NATIONAL LIBRARY OF MEDICINE

Cumulated Index Medicus

VOLUME 17
JANUARY - DECEMBER 1976

Subject Index R-Z

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health
DHEW Publication No. (NIH) 77-259

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402
Price $202 per set of 8 parts; sold in sets only
Stock No. 017-052-00173-6

ADMINISTRATION & DOSAGE

Modification of some hematologic and biochemical indices in mice consecutive mecadox administration. Suteu E, et al. **Arch Exp Veterinaermed** 29(4):551–6, 1975

ANALYSIS

Structure confirmation of triostin a by 1H and 13C magnetic resonance. Otsuka H, et al. **J Antibiot (Tokyo)** 29(1):107–10, Jan 76

CHEMICAL SYNTHESIS

Beta-lactam antibiotics with N-oxide side chains. 1. Quinoxaline N-oxides. Edwards ML, et al. **J Med Chem** 19(2):330–3, Feb 76

PHARMACODYNAMICS

Antispasmodic action of 1-diethylaminoethyl-3-(p-methoxybenzyl)-2-quinoxalone (P 201-1) and its inhibitory effect on cyclic 3',5'-nucleotide phosphodiesterase (PDE) activity. Hayashi S, et al. **Chem Pharm Bull (Tokyo)** 23(4):810–6, Apr 75

In vitro susceptibility of Treponema hyodysenteriae to carbadox, virginiamycin, and tylosin. Williams BJ, et al. **Vet Med Small Anim Clin** 71(7):957–9, Jul 76

[Effect of ingestion of derivatives of quinoxaline on the enzymatic detoxication activity of hepatic microsomes in the rat] Beraud M, et al. **Arch Int Pharmacodyn Ther** 218(2):328–37, Dec 75 (Eng. Abstr.) **(Fre)**

[Relation between chemical structure of quinoxalines disubstituted at the 2,3-positions and the enzymatic detoxication activity in rat liver microsomes] Beraud M, et al. **Biochem Pharmacol** 24(16):1505–9, 15 Aug 75 (Eng. Abstr.) **(Fre)**

[The influence of dietary regimen on the stimulation of microsomal monooxygenases in rat liver induced by 2,3-dimethylquinoxaline] Béraud M, et al. **Eur J Toxicol Environ Hyg** 8(4):212–9, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[Olaquindox – a new growth promoter in animal nutrition. 1. Effectiveness in raising piglets] Bronsch K, et al. **Z Tierphysiol** 36(4):211–21, Feb 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Swine dysentery. Pearce HG, et al. **NZ Vet J** 23(8):183–4, Aug 75

[Experimental therapy of burn infection caused by pyocyanic bacilli] Girich AF, et al. **Farmakol Toksikol** 39(1):90–3, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

TOXICITY

Carcinogenic action of quinoxaline 1,4-dioxide in rats. Tucker MJ. **J Natl Cancer Inst** 55(1):137–46, Jul 75

QUINTERENOL see under **ETHANOLAMINES**

QUINUCLIDINES

Antiacetylcholine activities of psychoactive drugs: a comparison of the [3H]quinuclidinyl benzilate binding assay with conventional methods. Sayers AC, et al. **J Pharm Pharmacol** 28(3):252–3, Mar 76

A theoretical and experimental study of the semirigid cholinergic agonist 3-acetoxyquinuclidine. Weinstein H, et al. **Mol Pharmacol** 11(5):671–89, Sep 75

CHEMICAL SYNTHESIS

[Synthesis and biological effect of enantiomeric 3-acetoxyquinuclidines] Lambrecht G. **Arch Pharm (Weinheim)** 309(3):235–9, Mar 76 **(Ger)**

[Nortropane-3beta-acetic acid, tropaquinuclidine and dehydrotropaquinuclidine (author's transl)] Schneider W, et al. **Arch Pharm (Weinheim)** 309(6):447–57, Jun 76 (Eng. Abstr.) **(Ger)**

[Synthesis of quinuclidinoyl derivatives of aminopiperidine, aminotetrahydroquinoline and aminotetrahydroisoquinoline] Biniecki S, et al. **Acta Pol Pharm** 32(5):517–23, 1975 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

A new probe for heterogeneity in muscarinic receptors: 2-methyl-spiro-(1, 3-dioxolane-4, 3')-quinuclidine. Fisher A, et al. **Eur J Pharmacol** 37(2):329–38, Jun 76

METABOLISM

Biochemical indentification of the mammalian muscarinic cholinergic receptor. Snyder SH, et al. **Fed Proc** 34(10):1915–21, Sep 75 (66 ref.)

PHARMACODYNAMICS

A study of muscarinic receptor heterogeneity with weak antagonists. Fisher A, et al. **Eur J Pharmacol** 38(1):131–9, Jul 76

Behavioral effects and binding affinities of two stereoisomeric psychotomimetic glycolates. Lowy K, et al. **J Neurosci Res** 2(2):157–65, 1976

Inversion of stereospecificity by methylation of compounds acting at acetylcholine receptors. Barlow RB, et al. **Mol Pharmacol** 11(5):690–3, Sep 75

[Inhibition of 3', 5'-cyclic AMP phosphodiesterase in the guinea pig lung by a new anti-allergic: 10-(3-quinuclidinylmethyl) phenothiazine (LM 209)] Uzan A, et al. **Arch Int Pharmacodyn Ther** 219(1):160–8, Jan 76 (Eng. Abstr.) **(Fre)**

[Psychopharmacological aspects of emotional stress] Val'dman AV. **Vestn Akad Med Nauk SSSR** (8):26–33, 1975 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Comparative study of a new antihistamine, mequitazine, and placebos] Gervais P, et al. **Acta Allergol (Kbh)** 30(5):286–97, Nov 75 (Eng. Abstr.) **(Fre)**

[Treatment of ulcer disease with temechine] Nogaller AM, et al. **Klin Med (Mosk)** 53(10):52–6, Oct 75 **(Rus)**

TOXICITY

Proceedings: Mutagenic activity of 3-chinuclidylbenzilate. Srám RJ, et al. **Act Nerv Super (Praha)** 17(4):252–3, 1975

Proceedings: Cytogenetic analysis of 3-chinuclidylbenzilate, 3-chinuclidinol and benactyzine in bone marrow of chinese hamster. Srám RJ. **Act Nerv Super (Praha)** 17(4):253–4, 1975

[Toxicology of BZ] Mil'shteĭn GI. **Voen Med Zh** (4):86–7, Apr 76 (16 ref.) **(Rus)**

R FACTORS see under **DRUG RESISTANCE, MICROBIAL**

RA 233 see under **PYRIMIDINES**

RABBIT POX VIRUS see under **POXVIRUSES**

RABBITS

Intramuscular rabbit anesthesia ketamine hydrochloride and mebumalnatrium (NFN). A safe and easy combination. Krogh E. **Acta Ophthalmol (Kbh)** 53(3):367–8, Jun 75

Pleural effusion disease in rabbits, clinical and post mortem observations. Fennestad KL, et al. **Acta Pathol Microbiol Scand [Suppl]** 83(6):541–8, Dec 75

Studies on Escherichia coli strains isolated from lethal cases of rabbit mucoid enteritis. Czirók É, et al. **Acta Vet Acad Sci Hung** 25(2-3):163–9, 1975

Lymphosarcoma in a rabbit. Gupta BN. **Am J Vet Res** 37(7):841–3, Jul 76

Hypervitaminosis D in rabbits. Stevenson RG, et al. **Can Vet J** 17(2):54–7, Feb 76

[A heritable hyperlipemic rabbit (author's transl)] Kondo T, et al. **Exp Anim (Tokyo)** 24(3):89–94, Jul 75

Naphthalene cataract in pigmented and albino rabbits. Van Heyningen R, et al. **Exp Eye Res** 22(4):393–4, Apr 76

Disseminated intravascular coagulation induced by endotoxin: rabbit model and man. pp. 49–54. Hawiger J.

In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.

Atherosclerosis. pp. 132–43. Moore S.

In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975. (126 ref.)

Cultivation of rabbits as a means of increasing the protein food supply. pp. 51–4. Aguilera ES.

In: VIII Inter-American Meeting on Foot-and-Mouth Disease an Zoonoses Control. Washington, Pan American Health Organization, 1976. W1 PA443 no.316 1976.

Experimental ocular histoplasmosis. O'Connor RG. **Int Ophthalmol Clin** 15(3):93–104, Fall 75

Congenital cataracts in a litter of rabbits. Gelatt KN. **J Am Vet Med Assoc** 167(7):598–9, 1 Oct 75

An epizootic of cerebrospinal nematodiasis in cottontail rabbits. Nettles VF, et al. **J Am Vet Med Assoc** 167(7):600–2, 1 Oct 75

Comparison of the Limulus test for endotoxin with the rabbit test for pyrogens of European Pharmacopoeia. van Noordwijk J, et al. **J Biol Stand** 4(2):131–9, Apr 76

Blood hyperviscosity during Trypanosoma (Trypanozoon) brucei infections of rabbits. Facer CA. **J Comp Pathol** 86(3):393–408, Jul 76

Hereditary chondrodystrophy in the rabbit. Genetics and pathology of a new mutant, a model for metatropic dwarfism. Fox RR, et al. **J Hered** 66(5):271–6, Sep-Oct 75

Cheyletiella parasitivorax (Megnin), a parasitic mite causing mange in the domestic rabbit. Clark JD, et al. **J Parasitol** 62(1):125, Feb 76

Efficacy of antibiotics A204 sodium A28695A, and A204np against Coccidia of rabbits. Fitzgerald PR. **J Protozool** 23(1):150–4, Feb 76

Some diseases of domestic rabbits encountered in the western Cape. Zumpt IF. **J S Afr Vet Assoc** 57(2):117–22, Jun 76

Endotracheal ether anesthesia in the rabbit. Mersereau WA. **J Surg Res** 21(1):63–6, Jul 76

Tularemia in Florida: Sylvilagus palustris as a source of human infection. Hoff GL, et al. **J Wildl Dis** 11(4):560–1, Oct 75

Ectopic fetuses in two cottontail rabbits. Jacobson HA, et al. **J Wildl Dis** 11(4):540–2, Oct 75

Serodiagnosis of nosematosis by immunofluorescence using cell-culture-grown organisms. Cox JC, et al. **Lab Anim** 9(4):297–304, Oct 75

A collapsible metal cage for holding and observing rabbits. Williams PE. **Lab Anim** 10(1):35–8, Jan 76

Duplication of the gall bladder in a rabbit. Gupta BN. **Lab Anim Sci** 25(5):646, Oct 75

Disseminated staphylococcal disease in laboratory rabbits (Oryctolagus cuniculus). Snyder SB, et al. **Lab Anim Sci** 26(1):86–8, Feb 76

A new method for producing a chronic E. coli pyelonephritis in rabbits. Stötter L, et al. **Nephron** 15(6):444–55, 1975

Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in mice, rats, and rabbits. Ariyuki F. **Okajimas Folia Anat Jpn** 52(2-3):103–17, Aug 75

The specificity of the fluorescent antibody test using the sera of rabbits inoculated with strains of myocobacteria. Gilmour NJ. **Res Vet Sci** 20(1):1–5, Jan 76

Clinical toxicities of pet and caged rodents and rabbits. Kruckenberg SM, et al. **Vet Clin North Am** 5(4):675–84, Nov 75

Suppurative mandibular osteomyelitis associated with Pasteurella multocida in a rabbit. Chaffee VW, et al. **Vet Med Small Anim Clin** 70(12):1411–3, Dec 75

Indications and procedure for castration of the domestic rabbit. Mandel M. **Vet Med Small Anim Clin** 71(3):365, Mar 76

Sore dewlap: Pseudomonas aeruginosa on rabbit fur and skin. Williams CS, et al. **Vet Med Small Anim Clin** 70(8):954–5, Aug 75

Neuromuscular lesions in restrained rabbits. Mendlowski B. **Vet Pathol** 12(5-6):378–86, 378–86

Torsion of the caudate lobe of the liver in the domestic rabbit (Oryctolagus). Weisbroth SH. **Vet Pathol** 12(1):13–5, 1975

Spontaneous lesions in the aorta of the common brown hare (Lepus europaeus). Wright LJ. **Vet Pathol** 12(1):37–45, 1975

Letter: A case of calculus in the rabbit. Sen AK. **Vet Rec** 98(10):205–6, 6 Mar 76

Intestinal flora studies in rabbit mucoid enteritis. Sinkovics G. **Vet Rec** 98(8):151–2, 21 Feb 76

Sexual behaviour following castration in experienced and inexperienced male rabbits. Agmo A. **Z Tierpsychol** 40(4):390–5, Apr 76

[Distomatosis of the domestic rabbit caused by Fasciola gigantica] Graber M. **Rev Elev Med Vet Pays Trop** 27(2):195–201, 1974 (Eng. Abstr.) **(Fre)**

[The artificial rearing of rabbits using medium-chain triglycerides (MCT): first results] Schley P. **Berl Munch Tieraerztl Wochenschr** 89(2):32–5, 15 Jan 76 (Eng. Abstr.) **(Ger)**

[Trichophagy--a behavior disorder in domestic rabbits] Brummer H. **Dtsch Tieraerztl Wochenschr** 82(9):350–1, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[The rabbit (wild and domestic)] Schulze H. **Dtsch Tieraerztl Wochenschr** 82(5):206–13 concl, 5 May 75 **(Ger)**

[Light and electron microscopic studies on spontaneous calcifying medial sclerosis of the rabbit (author's transl)] Massmann J, et al. **Zentralbl Allg Pathol** 119(3):179–88, 1975 (Eng. Abstr.) **(Ger)**

[Experimental studies on CNS hereditary disease in a rabbit model. VIII. Lipids of the pt rabbit brain] Czartoryska B, et al. **Neuropatol Pol** 14(2):265–72, Apr-Jun 76 (Eng. Abstr.) **(Pol)**

[Evaluation of properties of rabbit semen from the standpoint of fertility disorders] Dubiel A. **Pol Arch Weter** 17(4):707–17, 1975 (Eng. Abstr.) **(Pol)**

[Prevention of listeriosis in rabbits vaccinated with the AUF strain] Sedov NK. **Veterinarila** (3):68–70, Mar 76 **(Rus)**

[Comparison of the nature of morphological reactions in the heart in patients with rheumatism and experimental animals in disease modeling] Akhnazarova VD. **Vopr Revm** 00(02):3–10, Apr-Jun 76 (Eng. Abstr.) **(Rus)**

[A first study of Fasciola hepatica in wild rabbit (Oryctolagus cuniculus) from the premountainous area of Nahuelbuta (author's transl)] Courtin S, et al. **Bol Chil Parasitol** 30(3-4):65–8, Jul-Dec 75 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Light, fluorescence and electron microscopic studies of rabbit subclavian glomera. Hansen JT, et al. **Am J Anat** 144(4):477–89, Dec 75

An electron microscopic study on the effects of reserpine on the subclavian glomera of the rabbit. Hansen JT, et al. **Am J Anat** 144(4):491–502, Dec 75

Adrenergic and cholinergic innervation of the arteriovenous anastomosis in the rabbit's ear. Iijima T, et al. **Anat Rec** 185(3):373–80, Jul 76

Freeze-etching images of rabbit thyroid glands. Fujita H, et al. **Arch Histol Jpn** 38(4):275–84, Nov 75

An electron microscopic study of the olfactory mucosa in the bat and rabbit. Yamamoto M. **Arch Histol Jpn** 38(5):359–412, Feb 76

On the existence of pressoreceptors in the left ventricle of rabbit. Vacca C, et al. **Boll Soc Ital Biol Sper** 51(6):367–72, 30 Mar 75

The ureterovesical junction of the rabbit. Boyarsky A. **Invest Urol** 13(5):383–4, Mar 76

Uncharted cholinergic nerves in the rabbit parotid gland. Alm P, et al. **Q J Exp Physiol** 61(2):127–32, Apr 76

[Histomorphologic examination of the submaxillary gland of the rabbit (Oryctolagus cuniculus)] Delattre JP, et al. **J Biol Buccale** 4(1):77–86, Mar 76 (Eng. Abstr.) **(Fre)**

[Further research on the innervation of the vallate papillae and the foliate organ in rabbits] Aronna G, et al. **Boll Soc Ital Biol Sper** 51(17):1079–85, 15 Sep 75 **(Ita)**

[Morpho-structural aspects of the vascular system of the rabbit mammary gland during the puberal period, pregnancy and lactation] Pelagalli GV, et al. **Boll Soc Ital Biol Sper** 52(4):224–7, 28 Feb 76 **(Ita)**

[Plasticity of the circulatory bed of the vermiform appendix in the presence of circulatory disorders within it] Il'in VE.

Arkh Anat Gistol Embriol 70(6):70–6, Jun 76 (Eng. Abstr.) **(Rus)**

BLOOD

Rabbits as a model for the study of hyperlipoproteinemia and atherosclerosis. Shore B, et al. **Adv Exp Med Biol** 67(00):123–41, 1976

Proceedings: Evidence for silent germline genes coding for phylogenetic ancient determinants of the rabbit a–locus. van der Loo W, et al. **Arch Int Physiol Biochim** 84(1):190–1, Feb 76

Proceedings: Phylogeny of the rabbit immunoglobulin light–chain markers: Distribution of determinants associated with rabbit b–locus in different lagomorph families. van der Loo W, et al. **Arch Int Physiol Biochim** 84(1):192–3, Feb 76

The primary structure of the myoglobin of rabbit (Oryctolagus cuniculus) Romero–Herrera AE, et al. **Biochim Biophys Acta** 439(1):51–4, 19 Jul 76

High–affinity binding of tetraiodothyroacetic acid by a prealbumin in normal rabbit serum. Burger A, et al. **Endocrinology** 97(4):919–23, Oct 75

About the normal values of the acid–base and oxygen indices in small laboratory animals—rats and rabbits. Ilučev D. **Folia Med (Plovdiv)** 16(5–6):231–40, 1974

Embryonic epsilon chains of mice and rabbits. Steinheider G, et al. **Nature** 257(5528):714–6, 23 Oct 75

Serum vitamin B12 content and UBBC in gravid and fetal rabbits. Rosenthal HL, et al. **Proc Soc Exp Biol Med** 150(2):407–9, Nov 75

[Comparison of free amino acids in blood serum of men and animals. II. Communication: Man, rabbit, guinea pig, swine] Liappis N, et al. **Z Tierphysiol** 36(2):87–91, Dec 75 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

A comparison of cholinesterase activity of plasma, erythrocytes, and cerebrospinal fluid of sheep, calves, dogs, swine, and rabbits. Hazelwood JC, et al. **Am J Vet Res** 37(6):741–3, Jun 76

EMBRYOLOGY

The regulatory effect of estrogens on fetal growth. IV. Brain development in growth accelerated fetuses in rabbits. Abdul–Karim RW, et al. **Biol Neonate** 29(1–2):89–95, 1976

Presence of a pineal nerve in sheep and rabbit fetuses. Moller M, et al. **Cell Tissue Res** 158(4):451–9, 20 May 75

[The fawn rabbit of Burgundy in teratology. Spontaneous malformations and malformations provoked by thalidomide] Pasquet J. **Biol Med (Paris)** 3(2):149–77, Nov 74 (41 ref.) **(Fre)**

GROWTH & DEVELOPMENT

Histological study on the postnatal development and sequence of eruption of the mandibular cheek–teeth of rabbits (Oryctolagus cuniculus). Navarro JA, et al. **Arch Histol Jpn** 39(1):23–32, Mar 76

Effect of temperature on growth of newborn rabbits. Sokal M, et al. **Biol Neonate** 28(1–2):1–11, 1976

[Quantitative morphology studies on the development of body mass and various muscle groups in intensively reared rabbits] Berg R, et al. **Arch Exp Veterinaermed** 29(1):111–20, 1975 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Species specificity in thermostable and ethanol insoluble tissue antigens. I. Immunization of rabbits and goats with bovine antigen. Andersen AE. **Acta Vet Scand** 16(2):251–7, 1975

Localization of rabbit gamma globulins in the mouse visceral yolk sac placenta. Gardner MM. **Anat Rec** 184(4):665–77, Apr 76

Effects of cyclamate calcium on the immune response in rabbits. Hampton CM, et al. **Arch Environ Health** 31(1):51–3, Jan–Feb 76

Proceedings: Some aspects of the production of a restricted immune response. Verloes R, et al. **Arch Int Physiol Biochim** 83(2):418–9, May 75

A genetic marker in the variable region of rabbit immunoglobulin heavy chain. Mole LR. **Biochem J** 151(2):351–9, Nov 75

Sequence studies on the constant region of the Fd sections of rabbit immunoglobulin G of different allotype. Pratt DM, et al. **Biochem J** 151(2):337–49, Nov 75

In vitro studies of the rabbit immune system. I. Hemolytic plaque–forming response of dissociated spleen cells from normal and primed rabbits. Redelman D, et al. **Cell Immunol** 19(2):230–44, Oct 75

Adherence of rabbit erythrocytes to guinea–pig brain structures. Evidence for antigenic correlation between guinea–pig thymus and brain? Denk H, et al. **Clin Exp Immunol** 21(1):181–4, Jul 75

The role of complement in localized shwartzman reaction: studies with congenitally C6–deficient rabbits. Fong JS, et al. **Clin Exp Immunol** 16(1):77–88, Jan 74

Rabbit b4 light chain fragments bearing isotypic and allotypic specificities. Jefferis R, et al. **Clin Exp Immunol** 16(1):89–97, Jan 74

Rabbit b4 light chain fragments bearing isotypic and allotypic specificities. Jefferis R, et al. **Clin Exp Immunol** 16(1):89–98, Jan 74

The immune response of rabbits to 3 strains of Mycoplasma agalactiae var. bovis isolated from mastitic bovine udders. Carroll EJ, et al. **Cornell Vet** 66(2):143–51, Apr 76

Different effects of bacterial lipopolysaccharide on neonatal immunological tolerance to HSA in rabbits and chickens. Madar J, et al. **Folia Biol (Praha)** 21(5):316–23, 1975

Catalytically inactive sucrase antigen of rabbit small intestine: the enzyme precursor. Dubs R, et al. **Helv Paediatr Acta** 30(1):89–102, May 75

Constant region IgG allotypes in cottontail rabbits: group E allelic polymorphism. Teherani J, et al. **Immunochemistry** 13(3):221–7, Mar 76

In vitro studies of the rabbit immune system. V. Suppressor T cells activated by concanavalin A block the proliferation, not the induction of antierythrocyte plaque–forming cells. Redelman D, et al. **J Exp Med** 143(4):919–36, 1 Apr 76

B cells in the appendix and other lymphoid organs of the rabbit: complement receptor lymphocytes. Calkins CE, et al. **J Immunol** 115(5):1339–45, Nov 75

Reactivity of rabbit antiserum to guinea pig eosinophils. Gleich GJ, et al. **J Immunol** 115(4):950–4, Oct 75

The interdomain disulfide bond of a homogeneous rabbit pneumococcal antibody light chain. Strosberg AD, et al. **J Immunol** 115(5):1422–4, Nov 75

Identical sequence of light chains from rabbit anti–streptococcal antibodies. Braun DG, et al. **Nature** 258(5533):363–5, 27 Nov 75

Further studies on cold insoluble circulating immune complexes in rabbits immunized with bovine albumin. Griswold WR, et al. **Proc Soc Exp Biol Med** 150(2):479–81, Nov 75

Rabbits as a source of antisera against SV40 virus–induced cell surface antigens. Moolten FL, et al. **Proc Soc Exp Biol Med** 151(1):65–7, Jan 76

Arthritis in the rabbit knee joint: a quantitated model. DeShazo CV, et al. **Rheumatology** 6:268–82, 1975

The specificity of naturally occurring heterophile antibodies in normal rabbit serum. Kennett RH, et al. **Tissue Antigens** 8(1):21–8, Jul 76

[Immunologic studies with deoxycholic acid and cholic acid in rabbits] Matern S, et al. **Verh Dtsch Ges Inn Med** 81:1308–11, 1975 **(Ger)**

[Humoral response of laboratory animals to Mycoplasma antigens] Zworska J. **Med Dosw Mikrobiol** 28(2):175–82, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Turnover and aortic uptake of very low density lipoproteins (VLDL) from hypercholesteremic rabbits as a model for testing antiatherosclerotic compounds. Rodriguez J, et al. **Adv Exp Med Biol** 67(00):169–89, 1976

Immunocytochemical localization of cathepsin D in rabbit skin. Lazarus GS, et al. **Arch Dermatol** 111(9):1150–3, Sep 75

Metabolic patterns in several tissues of newborn rabbits during ischemia. Fischer JH, et al. **Biol Neonate** 27(3–4):235–50, 1975

The determination of volatile fatty acids in the caecum of the conscious rabbit. Parker DS, et al. **Br J Nutr** 35(3):365–71, May 76

Comparative investigations on thyroglobulin biosynthesis in rabbit and guinea–pig thyroid in vitro. Sinadinović J, et al. **Endokrinologie** 67(2):204–14, Jun 76

Metabolism of (14C)–lindane in plants and animals. pp. 149–56. Saha JG.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

Metabolism of bromobenzenes in the rabbit. Ruzo LO, et al. **J Agric Food Chem** 24(2):291–3, Mar–Apr 76

Fine structural localization of adenosine tri–phosphatase in the epithelium of the rabbit oviduct. Nayak RK, et al. **J Anim Sci** 41(4):1077–83, Oct 75

Cyclophosphamide–14C metabolism in the angora rabbit. Renerre MP, et al. **J Anim Sci** 41(3):825–8, Sep 75

Composition of cottontail rabbit milk from stomachs of young and directly from gland. Anderson RR, et al. **J Dairy Sci** 58(10):1449–52, Oct 75

Further studies on the arginine requirement of the rabbit. Adamson I, et al. **J Nutr** 106(6):717–23, Jun 76

Thiamin status of laboratory rabbits. Loew FM, et al. **Lab Anim Sci** 26(2 Pt I):201–2, Apr 76

The effect of dietary sucrose on lipid metabolism in Dutch belted rabbits (Oryctolagus cuniculus). Worcester NA, et al. **Proc Nutr Soc** 34(3):124A, Dec 75

The effect of dietary sucrose and hydrogenated coconut oil on atherosclerosis in Dutch belted rabbits (Oryctolagus cuniculus). Worcester NA, et al. **Proc Nutr Soc** 34(3):125A, Dec 75

[Attempt at amylase induction in rabbits] Vacíková A, et al. **Vnitr Lek** 21(9):901–3, Sep 75 (Eng. Abstr.) **(Cze)**

[Distribution of volatile fatty acids in digestive tract contents of rabbit. II.—Rabbits subjected to fasting (author's transl)] Vernay M, et al. **Ann Rech Vet** 6(4):369–77, 1975 (Eng. Abstr.) **(Fre)**

[Distribution of volatile fatty acids in digestive tract contents of rabbit. I.—Rabbits fed with lucern and oat (author's transl)] Vernay M, et al. **Ann Rech Vet** 6(4):357–68, 1975 (Eng. Abstr.) **(Fre)**

[Diurnal variations in the composition of cecal content in rabbits] Leng E, et al. **Z Versuchstierkd** 17(5–6):285–99, 1975 (Eng. Abstr.) **(Ger)**

[Comparative study of membrane–bound acetylcholinesterase in guinea pig and rabbit brains] Miliutin AA, et al. **Biofizika** 20(4):638–41, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Gas–energy metabolism in rabbits in relation to age and microclimate] Khabibulov MA, et al. **Veterinariia** (5):47–9, May 75 **(Rus)**

MICROBIOLOGY

Pleural effusion disease in rabbits, clinical and post mortem observations. Fennestad KL, et al. **Acta Pathol Microbiol Scand [Suppl]** 83(6):541–8, Dec 75

Bubonic plague from exposure to a rabbit: a documented case, and a review of rabbit–associated plague cases in the United States. von Reyn CF, et al. **Am J Epidemiol** 104(1):81–7, Jul 76

Trivittatus virus infections in wild mammals and sentinel rabbits in central Iowa. Pinger RR, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1006–9, Nov 75

Selective decontamination of the digestive tract of pregnant rabbits: a method for producing Enterobacteriaceae–free rabbits. Heidt PJ, et al. **Lab Anim Sci** 25(5):594–6, Oct 75

Coprophagy–dependant changes of the anaerobic bacterial flora in stomach and small intestine of the rabbit. Jilge B, et al. **Z Versuchstierkd** 17(5–6):308–14, 1975

[Bordetella infection in the rabbit] Rossi G. **Dtsch Tieraerztl Wochenschr** 82(7):276–80, 5 Jul 75 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Fine structure of Encephalitozoon cuniculi from rabbits, mice and hamsters. Pakes SP, et al. **J Protozool** 22(4):481–8, Nov 75

Pathology of chronic Trypanosoma bruceï–infection in the rabbit. van den Ingh TS, et al. **Zentralbl Veterinaermed [B]** 22(9):729–36, Nov 75

[Course of Trichostrongylus retortaeformis (Zeder, 1800) Looss, 1905, infestation in the domestic rabbit (Oryctolagus cuniculus)] Haupt W. **Arch Exp Veterinaermed** 29(1):135–41, 1975 (Eng. Abstr.) **(Ger)**

[Course of the parasite phase of development of Trichostrongylus axei (Cobbold, 1879) Railliet et Henry, 1909, in the domestic rabbit] Haupt W, et al. **Arch Exp Veterinaermed** 29(1):129–34, 1975 (Eng. Abstr.) **(Ger)**

On the occurence of rabbits (Oryctolagus cuniculus) species of protozen parasites belonging to the genus Eimeria in SAO Paulo State, Brazil. Fenerich FL, et al. **Arq Inst Biol (Sao Paulo)** 40(2):159–61, Apr–Jun 73 (Eng. Abstr.) **(Por)**

[Chemoprophylaxis of coccidiosis in rabbits] Ponomarenko VIa, et al. **Veterinariia** (1):68–9, Jan 76 **(Rus)**

[Presence of Cysticercus pisiformis (Block 1780) in imported rabbits and hares] Soerensen B, et al. **Mem Inst Butantan** 38:63–8, 1974 **(Spa)**

PHYSIOLOGY

A reexamination of 'neck reflex' eye movements in the rabbit. Gresty MA. **Acta Otolaryngol (Stockh)** 81(5–6):386–94, May–Jun 76

On the diurnal rhythm of activity of Oryctolagus cuniculus (Linne, 1758). Nelissen M. **Acta Zool Pathol Antverp** (61):3–18, Jan 75

A comparative study of pulsatile arterial hemodynamics in rabbits and guinea pigs. Avolio AP, et al. **Am J Physiol** 230(4):868–75, Apr 76

Short–loop feedback control of luteinizing hormone in the rabbit. Molitch M, et al. **Am J Physiol** 230(4):907–10, Apr 76

Disposition of plasma cholesterol in the pregnant hypocholesterolemic rabbit. Ross AC, et al. **Am J Physiol** 230(3):754–61, Mar 76

Blood flow to the uterine tube (oviduct) of the early pregnant and pseudopregnant rabbit. Waldhalm SJ, et al. **Am J Vet Res** 37(7):817–21, Jul 76

Species differences in response to renal ischemia. Craddock GN. **Arch Surg** 111(5):582–4, May 76

Adaptations of the male reproductive tract and the fate of spermatozoa following vasectomy in the rabbit, rhesus monkey, hamster and rat. Bedford JM. **Biol Reprod** 14(2):118–42, Mar 76

A comparison of the osmotic pressures along the digestive tract of the domestic fowl and the rabbit. Mongin P, et al. **Br Poult Sci** 17(4):379–82, Jul 76

Uteroglobin in the rabbit. I. Intracellular localization in the oviduct, uterus, and preimplantation blastocyst. Kirchner C. **Cell Tissue Res** 170(3):415–24, 30 Jul 76

Metabolic clearance rates (MCR) and production rates (PR) plasma progesterone in pregnant and pseudopregnant rabbits. Thau RB, et al. **Endocrinology** 97(2):454–7, Aug 75

The Fusus coli of the rabbit as a pacemaker area. Ruckebusch Y, et al. **Experientia** 32(8):1023–4, 15 Aug 76

Lack of effect of ovarian denervation on ovulation and pregnancy in the rabbit. Weiner S, et al. **Fertil Steril** 26(11):1083–7, Nov 75

Activity and subcellular localization of proteolytic enzymes of boar and rabbit spermatozoa. Landa V. **Folia Biol (Praha)** 21(3):192–5, 1975

The rabbit as a model for evaluating skin irritants: a comparison of results obtained on animals and man using repeated skin exposures. Marzulli FN, et al. **Food Cosmet Toxicol** 13(5):533–40, Oct 75

The circadian rhythm of the intraocular pressure in the New Zealand White rabbit. Katz RS, et al.

Invest Ophthalmol 14(10):775–80, Oct 75

Investigation of trypan blue dye for determination of circulatory capacity of skeletal muscle. Dildey DD, et al. **J Anim Sci** 41(3):787–93, Sep 75

Gestation length in rabbits–effect of aminoglutethimide phosphate, dexamethasone, pregnenolone and progesterone. Torres CA, et al. **J Anim Sci** 42(1):131–7, Jan 76

Alternative method for measurement of arterial pressure in the rabbit. Morizono T, et al. **J Appl Physiol** 39(2):312–4, Aug 75

Effects of lesions of the pituitary stalk on lactation in the rabbit. Cowie AT, et al. **J Endocrinol** 66(1):115–21, Jul 75

Further studies on the afferent path of the milk–ejection reflex in the brain stem of the rabbit. Tindal JS, et al. **J Endocrinol** 66(1):107–13, Jul 75

The spino – cerebellar tracts in rabbit. Grottel K. **J Hirnforsch** 16(2):163–73, 1975

The influence of hypoxia on uterine and maternal placental blood flow, and the effect of alpha–adrenergic blockade. Karlsson K. **J Perinat Med** 2(3):176–84, 1974

The effects of prolactin and oxytocin on milk secretion and on the permeability of the mammary epithelium in the rabbit. Linzell JL, et al. **J Physiol (Lond)** 253(2):547–63, Dec 75

Milk secretion in the rabbit: changes during lactation and the mechanism of ion transport. Peaker M, et al. **J Physiol (Lond)** 253(2):527–45, Dec 75

The effects of alpha–chlorohydrin on the composition of rat and rabbit epididymal plasma: a possible explanation of species difference. Back DJ, et al. **J Reprod Fertil** 45(1):117–28, Oct 75

The recognition and incidence of haploid and polyploid spermatozoa in man, rabbit and mouse. Carothers AD, et al. **J Reprod Fertil** 44(3):487–500, Sep 75

Follicle formation in guinea–pigs and rabbits. A comparative study with notes on the rete ovarii. Deanesly R. **J Reprod Fertil** 45(2):371–4, Nov 75

Inhibition of zona shedding of rabbit blastocysts in culture by the presence of a mucin coat. Kane MT. **J Reprod Fertil** 44(3):539–42, Sep 75

Relationship between the electrical activity of the oviduct and the uterus of the rabbit in vivo. Ruckebusch Y. **J Reprod Fertil** 45(1):73–82, Oct 75

Contribution of an electrogenic sodium pump to the membrane potential in rabbit sinoatrial node cells. Noma A, et al. **Pfluegers Arch** 358(4):289–301, 12 Aug 75

Effect of coitus on serum levels of testosterone and LH in male and female rabbits. Hilliard J, et al. **Proc Soc Exp Biol Med** 149(4):1010–4, Sep 75

The effects of vagotomy on ventilation and blood gas composition in dog, sheep and rabbit. Kashani M, et al. **Q J Exp Physiol** 60(4):285–98, Oct 75

Time course of mechanical activity in mammalian cardiac muscle: dependence on species, loading, and displacement. Bodem R, et al. **Recent Adv Stud Cardiac Struct Metab** 10:91–118, 1975

[Ejaculate of the male rabbit (author's transl)] Hoogenkamp H. **Tijdschr Diergeneeskd** 100(11):592–6, 1 Jun 75 **(Dut)**

[Insemination of female rabbits] Dubiel A. **Pol Arch Weter** 17(4):691–7, 1975 (Eng. Abstr.) **(Pol)**

[Study of certain hemodynamic indicators in rabbits by the method of radiocardiography] Iakovleva LA. **Kardiologiia** 15(6):121–2, Jun 75 **(Rus)**

RABIES

Recovery from rabies in man. Porras C, et al. **Ann Intern Med** 85(1):44–8, Jul 76

A case of rabies in man: some problems in diagnosis and management. Cohen SL, et al. **Br Med J** 1(6017):1041–2, 1 May 76

Human rabies encephalomyelitis. Maton PN, et al. **Br Med J** 1(6017):1038–40, 1 May 76

Hydrophobia (observations on 30 cases). Suri SP, et al. **J Indian Med Assoc** 65(1):8–10, 1 Jul 75

[Letter: Human rabies after 10 days' incubation, in spite of sero–vaccinal treatment] Coulanges P, et al. **Nouv Presse Med** 4(38):2730, 8 Nov 75 **(Fre)**

[Rabies, with special reference to epidemiology and control] Nitsche W. **ZFA (Stuttgart)** 52(19):1012–25, 10 Jul 76 **(Ger)**

COMPLICATIONS

Paralytic rabies in Ceylon: a case report. Munasinghe DR, et al. **Ceylon Med J** 20(4):253, Dec 75

DIAGNOSIS

Specificity of the agar gel microimmunodiffusion test in rabies diagnostics. Wojciechowski KJ. **Acta Microbiol Pol** 25(2):145–52, 1976

Editorial: Diagnosis and management of human rabies. **Br Med J** 3(5986):721–2, 27 Sep 75

Letter: Rabies. **Br Med J** 4(5988):102, 11 Oct 75

Letter: Rabies. Pearson CA. **Lancet** 1(7952):206, 24 Jan 76

Presenting features and diagnosis of rabies. Wilson JM, et al. **Lancet** 2(7945):1139–40, 6 Dec 75

Laboratory techniques in rabies: the fluorescent antibody test. Dean DJ, et al. **WHO Monogr Ser** (23):73–84, 1973

Passive haemagglutination test for rabies antibodies. Dierks RE, et al. **WHO Monogr Ser** (23):147–50, 1973

Laboratory techniques in rabies: electron microscopy. Hummeler K, et al. **WHO Monogr Ser** (23):158–64, 1973

Laboratory techniques in rabies: the virus neutralization index test in mice. Johnson HN. **WHO Monogr Ser** (23):94–7, 1973

An assessment of laboratory techniques in the diagnosis and prevention of rabies and in rabies research. Kaplan MM. **WHO Monogr Ser** (23):19–25, 1973

Laboratory techniques in rabies: the mouse inoculation test. Koprowski H. **WHO Monogr Ser** (23):85–93, 1973

Laboratory techniques in rabies: the complement fixation test. Kuwert E. **WHO Monogr Ser** (23):124–34, 1973

Laboratory techniques in rabies: hamgglutination and hemagglutination–inhibition tests. Kuwert E. **WHO Monogr Ser** (23):135–46, 1973

Laboratory techniques in rabies: gel–diffusion techniques. Lépine P. **WHO Monogr Ser** (23):151–7, 1973

Laboratory techniques in rabies: histopathological diagnosis. Lépine P. **WHO Monogr Ser** (23):56–72, 1973

A rapid tissue culture test for determining rabies neutralizing antibody. Smith JS, et al. **WHO Monogr Ser** (23):354–7, 1973

Laboratory techniques in rabies: shipments of specimens, and techniques for preparation of animal tissues. Tierkel ES. **WHO Monogr Ser** (23):29–40, 1973

Laboratory techniques in rabies: rapid microscopic examination for Negri bodies and preparation of specimens for biological test. Tierkel ES. **WHO Monogr Ser** (23):41–55, 1973

A radioimmune assay for rabies binding antibody. Wiktor TJ. **WHO Monogr Ser** (23):182–5, 1973

[The preparation of rabies virus nucleocapsid specific IgG and its purification and conjugation with peroxidase or fluorescein isothiocyanate (author's transl)] Atanasiu P, et al. **Ann Microbiol (Paris)** 125B(1):85–98, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Diagnostic procedure in suspicion of rabies] Schneider LG. **Med Klin** 71(15):616–20, 9 Apr 76 **(Ger)**

ETIOLOGY

Laboratory investigations on 'postvaccinall rabies' caused by live sheep–brain vaccine. Wojciechowski KJ. **Acta Microbiol Pol** 25(2):153–60, 1976

Oral rabies vaccine: evaluation of its infectivity in three species of rodents. Winkler WG, et al. **Am J Epidemiol** 104(3):294–8, Sep 76

Dog bites and rabies: an assessment of risk. Robinson DA. **Br Med J** 1(6017):1066–7, 1 May 76

Victims of a rabid wolf in india: effect of severity and location of bites on development of rabies. Shah U, et al. **J Infect Dis** 134(1):25–9, Jul 76

Follow–up of rabid dog bite victims. Shah U, et al. **Lancet** 2(7936):653–5, 4 Oct 75

IMMUNOLOGY

Serum neutralizing antibody after rabies postexposure prophylaxis. Corey L, et al. **Ann Intern Med** 85(2):170–6, Aug 76

Natural resistance of an African rodent Praomys (Mastomys) natalensis to rabies infection. Mueller WW, et al. **Ann Microbiol (Paris)** 127(3):447–53, Apr 76

Production of rabies fluorescent conjugate by immunization of rabbits with purified rabies antigen. Trimarchi CV, et al. **Bull WHO** 51(5):447–9, 1974

Rabies antibody studies in New Brunswick. Devadason C. **Can J Public Health** 67(3):255–7, May–Jun 76

Effect of acetone fixation on rabies immunofluorescence in glycerine–preserved tissues. Andrulonis JA, et al. **Health Lab Sci** 13(3):207–8, Jul 76

A collaborative study on the potency testing of antirabies globulin. Fitzgerald EA, et al. **J Biol Stand** 3(3):273–8, 1975

Interaction of mouse peritoneal macrophages with fixed rabies virus in vivo and in vitro. Turner GS, et al. **J Gen Virol** 30(2):223–31, Feb 76

Therapy of murine rabies after exposure: efficacy of polyriboinosinic–polyribocytidylic acid alone and in combination with three rabies vaccines. Harmon MW, et al. **J Infect Dis** 132(3):241–9, Sep 75

Quantitative assay and potency test of antirabies serum and immunoglobulin. Atanasiu P. **WHO Monogr Ser** (23):314–8, 1973

Production of antirabies serum of animal origin. Lépine P, et al. **WHO Monogr Ser** (23):299–303, 1973

Preparation of antirabies immunoglobulin of animal origin: method used in the USSR. Selimov M, et al. **WHO Monogr Ser** (23):304–6, 1973

Preparation of antirabies immunoglobulin of human origin. Sikes RK. **WHO Monogr Ser** (23):307–13, 1973

Histamine level in the central nervous system in experimental rabies infection and immunization. Shokeir AA, et al. **Z Immunitaetsforsch** 143(2):206–8, Mar 72

[Immunogenic activity of vaccines against rabies] Cupera Z. **Vet Med (Praha)** 20(4):207–14, Apr 75 (Eng. Abstr.) **(Cze)**

[Determination of anti–rabies antibodies by means of the indirect immunofluorescence method] Jiran E, et al. **Vet Med (Praha)** 20(7):363–71, Jun 75 (Eng. Abstr.) **(Cze)**

[Serological data on rabies in foxes studied in Iran] Karimi Y, et al. **Acta Med Iran** 18(3–4):129–36, 1975 (Eng. Abstr.) **(Fre)**

[Rabies anti–glycoprotein IgG conjugated with peroxidase and fluorescein isothiocyanate (author's transl)] Atanasiu P, et al. **Ann Microbiol (Paris)** 126B(1):69–75, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Effects of cyclophosphamide on rabies infection in the mouse. Protection confered by serotherapy] Tsiang H, et al. **C R Acad Sci [D] (Paris)** 281(13):957–60, 29 Sep 75 (Eng. Abstr.) **(Fre)**

[Rabies vaccination with regards to its epidemiology (author's transl)] Vögtle–Junkert U. **Immun Infekt** 3(2):54–64, Apr 75 (Eng. Abstr.) **(Ger)**

[Immunologic prevention of rabies. III. Experimental evaluation of the capacity of an antigen of a vaccine obtained from the brain of suckling mice] Vescia N, et al. **Nuovi Ann Ig Microbiol** 25(5):307–18, Sep–Oct 74 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Cell to cell transmission of virus in the central nervous system. II. Experimental rabies in mouse. Iwasaki Y, et al. **Lab Invest** 33(4):391–9, Oct 75

[Rabies in nutria (experimental studies)] Safarov RK, et al. **Veterinariia** (9):59–61, Sep 74 **(Rus)**

[Detection of Babes–Negri bodies in blood erythrocytes of rabid white mice] Gorshunova LP, et al. **Vopr Virusol** (2):179–82, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Isolation of rabies virus from Siberian polecats in Kazakhstan] Sansyzbaev BK. **Vopr Virusol** (4):485, Jul–Aug 75 **(Rus)**

[Characteristics and importance of different serotypes and variations of rabies viruses in epidemiology] Rengell FS, et al. **Rev Invest Salud Publica** 35(1):77–84, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

MORTALITY

Abortive rabies in rabbits and white rats infected intracerebrally. Gribencha SV. **Arch Virol** 49(4):317–22, 1975

OCCURRENCE

Non–fatal rabies in dogs and cats. deDíaz AM, et al. **Ann Microbiol (Paris)** 126(4):503–9, Dec 75

Rabies in New York City, with new guidelines for prophylaxis. Marr JS, et al. **Bull NY Acad Med** 52(5):605–16, Jun 76

Epizootiology of rabies in Canada. pp. 301–5. Charlton KM, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

The rabies problem in Pakistan. Burney MI, et al. **Trop Doct** 6(2):60–2, Apr 76

A local outbreak of paralytic rabies in Surinam children. Verlinde JD, et al. **Trop Geogr Med** 27(2):137–42, Jun 75

[Fox rabies on this side of the border] Gispen R. **Ned Tijdschr Geneeskd** 119(20):800–2, 17 May 75 **(Dut)**

[Rabies in the eastern Netherlands (author's transl)] Haagsma J. **Tijdschr Diergeneeskd** 100(9):516–7, 1 May 75 (Eng. Abstr.) **(Dut)**

[Rabies in Belgium 1974; summary 1966–1974] Heyne D. **Arch Belg Med Soc** 33(6):357–95, Jun 75 (Eng. Abstr.) **(Fre)**

[Epidemiology and diagnosis of rabies] Schneider IG. **Med Klin** 71(15):609–15, 9 Apr 76 **(Ger)**

[Development of rabies in the German Democratic Republic 1953–1970] Sinnecker H, et al. **Z Gesamte Hyg** 21(1):39–45, Jan 75 (Eng. Abstr.) **(Ger)**

[Rabies] Serokowa D, et al. **Przegl Epidemiol** 30(1):121–5, 1976 **(Pol)**

[Some epizootiological and epidemiological aspects of rabies in Kazakhstan] Sansyzbaev BK. **Zh Mikrobiol Epidemiol Immunobiol** (5):139–40, May 75 **(Rus)**

[Some data on the epidemiology and epizootiology of rabies in the Carpathians] Shugallo VT, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):138–9, May 75 **(Rus)**

[Review on the situation or rabies in Yugoslavia] Petrović M. **Med Pregl** 29(5–6):219–25, 1976 **(Ser)**

PATHOLOGY

The importance and histopathology of hypothalamic changes in animals inoculated intracerebrally with Högyes' fixed strain of rabies virus. Karasszon D. **Acta Vet Acad Sci Hung** 24(4):427–36, 1974

A case of human rabies and ultrastructure of the Negri body. Sung JH, et al. **J Neuropathol Exp Neurol** 35(5):541–59, Sep–Oct 76

[Morphological study of neurovirulence of the Vnukovo–32 strains of rabies virus] Chigirinskii AE, et al. **Vopr Virusol** (4):466–71, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pathophysiologic studies in human rabies. Warrell DA, et al. **Am J Med** 60(2):180–90, Feb 76 (45 ref.)

PREVENTION & CONTROL

Immunization schedules for the new human diploid cell vaccine against rabies. Plotkin SA, et al. **Am J Epidemiol** 103(1):75–80, Jan 76

Rabies immune globulin (human) in the prevention of rabies. Cabasso VJ. **Am J Hosp Pharm** 33(1):48–51, Jan 76 (32 ref.)

Endemic rabies in Ghana. Epidemiology and control measures. Belcher DW, et al. **Am J Trop Med Hyg** 25(5):724–9, Sep 76

Public health aspects of rabies. Fester JM. **Aviat Space Environ Med** 46(9):1194–5, Sep 75

Treatment of wounds from animals suspected of carrying neurotropic viruses. Klenerman L, et al. **Br Med J** 3(5986):740–1, 27 Sep 75

Letter: Rabies. McIntyre I. **Br Med J** 4(5994):458, 22 Nov 75

Prophylactic immunization of humans against rabies by intradermal inoculation of human diploid cell culture vaccine. Cox JH, et al. **J Clin Microbiol** 3(2):96–101, Feb 76

Clinical use of human globulin immune to rabies virus. Hattwick MA, et al. **J Infect Dis** 133 Suppl:A266–72, Jun 76

Role of interferon in prophylaxis of rabies after exposure. Wiktor TJ, et al. **J Infect Dis** 133 Suppl:A260–5, Jun 76

The risk of rabies prophylaxis vs. the risk of the disease. Caraway CT, et al. **J La State Med Soc** 127(8):303–8, Aug 75

Letter: Rabies. Everett RT. **J R Coll Gen Pract** 25(155):440, Jun 75

Problems associated with rabies preexposure prophylaxis. Garner WR, et al. **JAMA** 235(11):1131–2, 15 Mar 76

Letter: The treatment of persons exposed to rabies. Rosefsky JB. **JAMA** 234(4):383, 27 Oct 75

Letter: Rabies prophylaxis. Weis TT. **JAMA** 234(13):1318, 29 Dec 75

Letter: Dog bites in children. Lillington AW, et al. **Lancet** 2(7976):98–9, 10 Jul 76

Human diploid cell strain rabies vaccine. Rapid prophylactic immunisation of volunteers with small doses. Turner GS, et al. **Lancet** 1(7974):1379–81, 26 Jun 76

Rabies shots—should you or shouldn't you? Corey L. **Med Times** 104(6):59–65, Jun 76

Prevention of rabies by vitamin C. Banic S. **Nature** 258(5531):153–4, 13 Nov 75

Prevention of rabies in man. Gamet A. **Nurs Times** 72(19):727–8, 13 May 76

Letter: Rabies in pregnancy. Cates W Jr, et al. **Obstet Gynecol** 46(4):500, Oct 75

Dealing with possible rabies exposure. Corey L, et al. **Postgrad Med** 59(3):87–91, Mar 76

Epidemiology of antirabies treatment in Georgia, 1967–71. Currier RW 2d, et al. **Public Health Rep** 90(5):435–9, Sep–Oct 75

Letter: Preparing a defence against rabies. Watt JG. **Vet Rec** 97(10):188–9, 6 Sep 75

[Therapeutic decision in the prevention of rabies in man. II. Following contamination] Gamet A. **Bull Soc Pathol Exot** 68(2):144–51, Mar–Apr 75 **(Fre)**

[Therapeutic decision in the prevention of rabies in man. I. Prior to contamination] Gamet A. **Bull Soc Pathol Exot** 68(2):141–4, Mar–Apr 75 **(Fre)**

[Notes on antirabies treatment] Chabaud MA. **Maroc Med** 55(591):269–70, Jun 75 **(Fre)**

[EEG-changes during preventive rabies therapy using the Hempt-vaccine] Lafrenz M, et al. **Munch Med Wochenschr** 117(27):1165–6, 4 Jul 75 **(Ger)**

[Problems of rabies (author's transl)] Keller H. **Ther Umsch** 31(6):381–7, Jun 74 (Eng. Abstr.) **(Ger)**

[Experiences with rabies vaccination] Rassi D, et al. **Verh Dtsch Ges Inn Med** 81:680–2, 1975 **(Ger)**

[Immunologic prevention of rabies. I. Experimental evaluation of the antigenic potency of an avianized vaccine] D'arca SU, et al. **Nuovi Ann Ig Microbiol** 25(4):229–39, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Immunological prevention of rabies. II. Experimental evaluation of the antigenic potency of a phenolated vaccine of the Fermi type] Tarsitani G, et al. **Nuovi Ann Ig Microbiol** 25(4):240–50, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Reactions to and complications following rabies vaccination in 1974 in the Lublin Province] Radomińska I, et al. **Pol Tyg Lek** 31(3):109–12, 19 Jan 76 **(Pol)**

[Prospects of rabies control in freely living animals] Wachendörfer G. **Przegl Epidemiol** 30(1):47–52, 1976 (Eng. Abstr.) **(Pol)**

[The influence of rabies immunization of gamma-aminobutyric acid metabolism in the brains of animals] Khizhniakova TM, et al. **Biull Eksp Biol Med** 81(2):184–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Bone marrow cells of mice immunized with different rabies vaccines] Mikhailova GR, et al. **Tsitologiia** 18(2):208–12, Feb 76 (Eng. Abstr.) **(Rus)**

[Epidemiologic aspects of the treatment of human rabies in Belo Horizante, Minas Gerais, Brazil] Moreira EC, et al. **Bol Of Sanit Panam** 80(1):38–44, Jan 76 (Eng. Abstr.) **(Spa)**

[Antirabies treatment of persons bitten by animals] Vermouth HH, et al. **Bol Of Sanit Panam** 81(1):57–65, Jul 76 (Eng. Abstr.) **(Spa)**

[Antirabies service of the Escuela Nacional de Sanidad] Ruiz-Falco F, et al. **Rev Sanid Hig Publica (Madr)** 48(11):987–1013, Nov 74 (Eng. Abstr.) **(Spa)**

[Evaluation of the rabies control program on the Northern border] Lara JC, et al. **Salud Publica Mex** 17(4):503–9, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

THERAPY

A case of human rabies in Mulago Hospital Kampala, Uganda. Kirya GB, et al. **East Afr Med J** 52(6):348–53, Jun 75

Letter: Treatment of persons exposed to rabies. Huse DC, et al. **JAMA** 235(11):1107, 15 Mar 76

Letter: Intensive care in rabies therapy. Garcia CA. **Lancet** 2(7979):259–60, 31 Jul 76

Intensive care in rabies therapy. Clinical observations. Gode GR, et al. **Lancet** 2(7975):6–8, 3 Jul 76

[Effectiveness of specific treatment of rabies. II. Analysis of cases of human death from rabies following a complete course of treatment with specific agents] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):72–80, Apr 76 **(Rus)**

TRANSMISSION

Rabies exposure during pregnancy. Spence MR, et al. **Am J Obstet Gynecol** 123(6):655–6, 15 Nov 75

Editorial: Rabies. De S. **J Indian Med Assoc** 65(1):22–3, 1 Jul 75

Letter: Rabies: rats and mice not guilty. **Vet Rec** 98(11):226, 13 Mar 76

VETERINARY

Canine rabies in the United States, 1971–1973: study of reported cases with reference to vaccination history. Kappus KD. **Am J Epidemiol** 103(2):242–9, Feb 76

Rabies immunization of red foxes (Vulpes fulva) with vaccine in sausage baits. Winkler WG, et al. **Am J Epidemiol** 103(4):408–15, Apr 76

Observations on the epizootiology of vampire bat rabies. Lord RD, et al. **Bull Pan Am Health Organ** 9(3):189–95, 1975

Assessment of fox control operations on wildlife rabies. pp. 487–90. Bögel K.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Efficacy of inactivated tissue culture rabies vaccine in dogs. Strating A, et al. **J Am Vet Med Assoc** 167(9):809–12, 1 Nov 75

Sensitivity of bhk-21 cells supplemented with diethylaminoethyl-dextran for detection of street rabies virus in saliva samples. Larghi OP, et al. **J Clin Microbiol** 1(3):243–5, Mar 75

The implications of endemic rabies to small animal practitioners in the United Kingdom. **J Small Anim Pract** 17(7):suppl 1–4, Jul 76

Editorial: Rodent rabies. Von Reyn CF. **JAMA** 235(22):2423, 31 May 76

By the london post. Prescribing, promoting and paying for drugs—the Englishman and his dog. Lister J. **N Engl J Med** 295(14):772–4, 30 Sep 76

Suckling-mouse-brain rabies vaccine (SMBV): duration of immunity in dogs. Fields M, et al. **Vet Med Small Anim Clin** 71(1):37–40, Jan 76

Letter: Rabies: vaccination. **Vet Rec** 98(23):470–1, 5 Jun 76

Letter: Rabies in the Gambia. Macadam I. **Vet Rec** 97(9):171, 30 Aug 75

Letter: Rabies diagnosis: the hidden pitfalls. Yeoman GH. **Vet Rec** 99(2):35, 10 Jul 76

Rabies in experimentally infected bears, Ursus spp., with epizootiologic notes. Rausch RL. **Zentralbl Veterinaermed [B]** 22(5):420–37, Jul 75

[Rabies in animals and its incidence on the territory of the Czech Socialist Republic in 1969–1973 (author's transl)] Matouch O, et al. **Cesk Epidemiol Mikrobiol Imunol** 25(1):24–31, Jan 76 (Eng. Abstr.) **(Cze)**

[Examination and incidence of rabies on the territory of the Czech Socialist Republic during 1969 – 1973] Matouch O, et al. **Vet Med (Praha)** 20(5):303–8, May 75 (Eng. Abstr.) **(Cze)**

[Incidence and seasonal variations of bovine cerebral listeriosis observed in France during a survey on rabies] Levaditi JC, et al. **Bull Soc Pathol Exot** 68(1):26–32, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Comparative studies on the significance of the 'cornea test' in the diagnosis of rabies] Wiegand D. **Arch Exp Veterinaermed** 29(3):323–30, Jun 75 (Eng. Abstr.) **(Ger)**

[Development of rabies in Lower Saxony in the years 1951–1975] Schlegel HL. **Dtsch Tieraerztl Wochenschr** 83(7):316–20, 5 Jul 76 (Eng. Abstr.) **(Ger)**

[Effectiveness of rabies vaccination in the dog] Wachendörfer G, et al. **Dtsch Tieraerztl Wochenschr** 82(10):385–7, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Evidence of zoonoses in wild animals in the North Hesse Region] pp. 619–24. Brömel J, et al.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w. (Eng. Abstr.) **(Ger)**

[Incidence of rabies, its spread and the density of fox population in Baden-Württemberg] pp. 483–6. Moegle H.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w. (Eng. Abstr.) **(Ger)**

[Necessary documents for vaccination of dogs and cats in the tourist travel abroad] Grandjean C. **Tieraerztl Prax** 4(2):255–8, 1976 **(Ger)**

[Epidemiology of rabies in wildlife. Studies in the southern part of the Federal Republic of Germany] Moegle H, et al. **Zentralbl Veterinaermed [B]** 21(9):647–59, Sep 74 (Eng. Abstr.) **(Ger)**

[Nonfatal rabies in dogs] Safarov RK, et al. **Veterinariia** (9):67, Sep 75 **(Rus)**

RABIES VACCINE

Canine rabies in the United States, 1971–1973: study of reported cases with reference to vaccination history. Kappus KD. **Am J Epidemiol** 103(2):242–9, Feb 76

Immunization schedules for the new human diploid cell vaccine against rabies. Plotkin SA, et al. **Am J Epidemiol** 103(1):75–80, Jan 76

Rabies immunization of red foxes (Vulpes fulva) with vaccine in sausage baits. Winkler WG, et al. **Am J Epidemiol** 103(4):408–15, Apr 76

Compendium of animal rabies vaccines in Canada. Sayers CW. **Can Vet J** 17(5):136–7, May 76

Efficacy of inactivated tissue culture rabies vaccine in dogs. Strating A, et al. **J Am Vet Med Assoc** 167(9):809–12, 1 Nov 75

Letter: Human rabies vaccine. Katz W. **J S Afr Vet Assoc** 47(1):50, Mar 76

Problems associated with rabies preexposure prophylaxis. Garner WR, et al. **JAMA** 235(11):1131–2, 15 Mar 76

Rabies vaccines. Aoki FY. **Nurs Times** 72(19):728–31, 13 May 76

Suckling-mouse-brain rabies vaccine (SMBV): duration of immunity in dogs. Fields M, et al. **Vet Med Small Anim Clin** 71(1):37–40, Jan 76

Laboratory techniques in rabies: tissue culture vaccines for animals. Abelseth MK. **WHO Monogr Ser** (23):261–7, 1973

Laboratory techniques in rabies: suckling mouse brain vaccine. Fuenzalida E. **WHO Monogr Ser** (23):216–20, 1973

Laboratory techniques in rabies: suckling rabbit brain vaccine. Gispen R. **WHO Monogr Ser** (23):221–7, 1973

Laboratory technics in rabies: general considerations in vaccine production. Habel K. **WHO Monogr Ser** (23):189–91, 1973

Laboratory techniques in rabies: duck-embryo vaccine. Hoskins JM. **WHO Monogr Ser** (23):243–55, 1973

Laboratory techniques in rabies: suckling rat brain vaccine. Karakujumčan MK, et al. **WHO Monogr Ser** (23):213–5, 1973

Laboratory techniques in rabies: vaccine for man prepared in human diploid cells. Koprowski H. **WHO Monogr Ser** (23):256–60, 1973

Laboratory techniques in rabies: chicken-embryo vaccine. Koprowski H. **WHO Monogr Ser** (23):235–42, 1973

Laboratory techniques in rabies: Fermi-type vaccine. Lépine P. **WHO Monogr Ser** (23):199–200, 1973

Laboratory techniques in rabies: phenolized, freeze-dried sheep brain vaccine. B. Method used at the Pasteur Institute, Paris. Lépine P, et al. **WHO Monogr Ser** (23):204–12, 1973

Laboratory technics in rabies: Semple-type vaccine. Seligmann B Jr. **WHO Monogr Ser** (23):192–8, 1973

Laboratory techniques in rabies: phenolized, freeze-dried sheep brain vaccine. A. Method used in the USSR. Selimov MA, et al. **WHO Monogr Ser** (23):201–4, 1973

[Notes on antirabies treatment] Chabaud MA. **Maroc Med** 55(591):269–70, Jun 75 **(Fre)**

[Immunologic prevention of rabies. III. Experimental evaluation of the capacity of an antigen of a vaccine obtained from the brain of suckling mice] Vescia N, et al. **Nuovi Ann Ig Microbiol** 25(5):307–18, Sep–Oct 74 (Eng. Abstr.) **(Ita)**

[Experimental concentration and purification of cultural antirabies vaccine] Dulina AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):133–5, 1976 (Eng. Abstr.) **(Rus)**

[Epidemiologic aspects of the treatment of human rabies in Belo Horizante, Minas Gerais, Brazil] Moreira EC, et al. **Bol Of Sanit Panam** 80(1):38–44, Jan 76 (Eng. Abstr.) **(Spa)**

[Antirabies treatment of persons bitten by animals] Vermouth HH, et al. **Bol Of Sanit Panam** 81(1):57–65, Jul 76 (Eng. Abstr.) **(Spa)**

[Antirabies service of the Escuela Nacional de Sanidad] Ruiz-Falco F, et al. **Rev Sanid Hig Publica (Madr)** 48(11):987–1013, Nov 74 (Eng. Abstr.) **(Spa)**

[Phenol inactivated Semple vaccines, field survey and potence studies] Akan E. **Turk Hij Tecr Biyol Derg** 35(2-3):77–90, 1975 (Eng. Abstr.) **(Tur)**

ADMINISTRATION & DOSAGE

The oral rabies immunization of foxes and dogs with sausage baits. Baer GM. **Dev Biol Stand** 33:417–23, 1976

Prophylactic immunization of humans against rabies by intradermal inoculation of human diploid cell culture vaccine. Cox JH, et al. **J Clin Microbiol** 3(2):96–101, Feb 76

Human diploid cell strain rabies vaccine. Rapid prophylactic immunisation of volunteers with small doses. Turner GS, et al. **Lancet** 1(7974):1379–81, 26 Jun 76

Rabies shots—should you or shouldn't you? Corey L. **Med Times** 104(6):59–65, Jun 76

[Therapeutic decision in the prevention of rabies in man. I. Prior to contamination] Gamet A. **Bull Soc Pathol Exot** 68(2):141–4, Mar–Apr 75 **(Fre)**

[Experiences with rabies vaccination] Rassi D, et al. **Verh Dtsch Ges Inn Med** 81:680–2, 1975 **(Ger)**

[Effectiveness of specific treatment of rabies. II. Analysis of cases of human death from rabies following a complete course of treatment with specific agents] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):72–80, Apr 76 **(Rus)**

ADVERSE EFFECTS

Laboratory investigations on 'postvaccinall rabies' caused by live sheep-brain vaccine. Wojciechowski KJ.

Acta Microbiol Pol 25(2):153–60, 1976

Oral rabies vaccine: evaluation of its infectivity in three species of rodents. Winkler WG, et al. **Am J Epidemiol** 104(3):294–8, Sep 76

Laboratory investigations of neuroparalytic accidents associated with suckling mouse brain rabies vaccine. I.—Encephalitogenicity and virological studies. Trejos A, et al. **Ann Immunol (Paris)** 125(6):917–24, Nov 74 (Eng. Abstr.)

Laboratory investigations on neuroparalytic accidents associated to suckling mouse brain rabies vaccine. II.—Encephalitogenicity of murine brain myelin preparations. Varela'Diaz VM, et al. **Ann Immunol (Paris)** 125(6):925–38, Nov 74 (Eng. Abstr.)

The risk of rabies prophylaxis vs. the risk of the disease. Caraway CT, et al. **J La State Med Soc** 127(8):303–8, Aug 75

Neurological complication of antirabies vaccination in São Paulo, Brazil. Clinical and therapeutical aspects. Assis JL. **J Neurol Sci** 26(4):593–8, Dec 75

Laboratory techniques in rabies: test for neuroallergenic activity. Gispen R. **WHO Monogr Ser** (23):295–6, 1973

[Benign neurologic accident following anti-rabies vaccination. Unforeseen clinical and biological aspects] Lery L, et al. **Arch Fr Pediatr** 32(6):563–7, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Postvacccinal encephalomyelitis after protective antirabic innoculation, combined with polioencephalomyelitis (lyssa?)] Franke M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(5):312–9, May 75 (Eng. Abstr.) **(Ger)**

[Complications after antirabies treatment using the Hempt-vaccine] Lafrenz M. **Z Gesamte Inn Med** 30(12):419–23, 15 Jun 75 (Eng. Abstr.) **(Ger)**

[Reactions to and complications following rabies vaccination in 1974 in the Lublin Province] Radomińska I, et al. **Pol Tyg Lek** 31(3):109–12, 19 Jan 76 **(Pol)**

[Bone marrow cells of mice immunized with different rabies vaccines] Mikhallova GR, et al. **Tsitologiia** 18(2):208–12, Feb 76 (Eng. Abstr.) **(Rus)**

[Danger of certain types of antirabies vaccine. Brain lesions in rats inoculated with antirabies vaccine] Rey Calero JD, et al. **Rev Sanid Hig Publica (Madr)** 49(7):581–94, Jul 75 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

[Extraction of a soluble antigen (a glycoprotein) from rabies tissue culture vaccines using Triton X100. Immunization and protection experiments (author's transl)] Atanasiu P, et al. **Ann Microbiol (Paris)** 125(4):540–57, Dec 74 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[Evaluation of interferon induced by rabies vaccines (author's transl)] Nozaki J, et al. **Ann Microbiol (Paris)** 126(3):381–8, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Laboratory techniques in rabies: ultraviolet-light irradiation for inactivation of vaccines. Habel K. **WHO Monogr Ser** (23):228–34, 1973

[Experimental study of an antirabies vaccine from sheep brain tissue inactivated by UV rays (author's transl)] Pospeeva NA, et al. **Vopr Virusol** (5):578–81, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

STANDARDS

Laboratory techniques in rabies: the antibody binding test for vaccine potency. Arko RJ, et al. **WHO Monogr Ser** (23):292–4, 1973

Laboratory techniques in rabies: Habel test for potency. Habel K. **WHO Monogr Ser** (23):276–7, 1973

Laboratory techniques in rabies: general considerations in safety and potency testing. Habel K. **WHO Monogr Ser** (23):271–5, 1973

Laboratory techniques in rabies: modified Habel test for potency. Habel K. **WHO Monogr Ser** (23):278, 1973

Laboratory techniques in rabies: guineapig potency test for chicken-embryo vaccine. Koprowski H. **WHO Monogr Ser** (23):287–91, 1973

Laboratory techniques in rabies: methods of calculation. Lorenz RJ, et al. **WHO Monogr Ser** (23):321–35, 1973

Proposed safety tests for inactivated rabies vaccine prepared in cell cultures. Netter R, et al. **WHO Monogr Ser** (23):343–53, 1973

Laboratory techniques in rabies: the NIH test for potency. Seligmann EB Jr. **WHO Monogr Ser** (23):279–86, 1973

[Immunogenic activity of vaccines against rabies] Cupera Z. **Vet Med (Praha)** 20(4):207–14, Apr 75 (Eng. Abstr.) **(Cze)**

[Rabies vaccination with regards to its epidemiology (author's transl)] Vögtle-Junkert U. **Immun Infekt** 3(2):54–64, Apr 75 (Eng. Abstr.) **(Ger)**

[Immunologic prevention of rabies. I. Experimental evaluation of the antigenic potency of an avianized vaccine] D'arca SU, et al. **Nuovi Ann Ig Microbiol** 25(4):229–39, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Immunological prevention of rabies. II. Experimental evaluation of the antigenic potency of a phenolated vaccine of the Fermi type] Tarsitani G, et al. **Nuovi Ann Ig Microbiol** 25(4):240–50, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Reference preparation of rabies vaccine] Albrycht H, et al. **Med Dosw Mikrobiol** 27(3):281–9, 1975 (Eng. Abstr.) **(Pol)**

[Influence of the number of passages of the rabies virus on the immunogenicity of the antirabies phenol vaccine] Karumidze VK. **Veterinariia** (12):46, Dec 75 **(Rus)**

SUPPLY & DISTRIBUTION

[Fox rabies on this side of the border] Gispen R. **Ned Tijdschr Geneeskd** 119(20):800–2, 17 May 75 **(Dut)**

THERAPEUTIC USE

Recovery from rabies in man. Porras C, et al. **Ann Intern Med** 85(1):44–8, Jul 76

Trial of human diploid cell rabies vaccine in human volunteers. Shah U, et al. **Br Med J** 1(6016):997, 24 Apr 76

Therapy of murine rabies after exposure: efficacy of polyriboinosinic-polyribocytidylic acid alone and in combination with three rabies vaccines. Harmon MW, et al. **J Infect Dis** 132(3):241–9, Sep 75

Clinical use of human globulin immune to rabies virus. Hattwick MA, et al. **J Infect Dis** 133 Suppl:A266–72, Jun 76

Role of interferon in prophylaxis of rabies after exposure. Wiktor TJ, et al. **J Infect Dis** 133 Suppl:A260–5, Jun 76

Prevention of rabies in man. Gamet A. **Nurs Times** 72(19):727–8, 13 May 76

Letter: Rabies in pregnancy. Cates W Jr, et al. **Obstet Gynecol** 46(4):500, Oct 75

Epidemiology of antirabies treatment in Georgia, 1967–71. Currier RW 2d, et al. **Public Health Rep** 90(5):435–9, Sep–Oct 75

Histamine level in the central nervous system in experimental rabies infection and immunization. Shokeir AA, et al. **Z Immunitaetsforsch** 143(2):206–8, Mar 72

[Antirabies vaccinations in France in 1974. III. Antirabies vaccinations at the University Center Hospital of Toulouse] Armengaud M. **Ann Microbiol (Paris)** 126B(1):86–8, Jul–Aug 75 **(Fre)**

[Antirabies vaccinations in France in 1974. IV. Antirabies vaccinations at the Pasteur Center of Marseille] Coulange P. **Ann Microbiol (Paris)** 126B(1):89–90, Jul–Aug 75 **(Fre)**

[Antirabies vaccinations in France in 1974. I. Antirabies vaccinations at the Pasteur Institute of Paris] Gamet A, et al. **Ann Microbiol (Paris)** 126B(1):77–82, Jul–Aug 75 **(Fre)**

[Antirabies vaccinations in France in 1974. II. Antirabies vaccinations at the Pasteur Institute of Lyon] Lery L. **Ann Microbiol (Paris)** 126B(1):83–5, Jul–Aug 75 **(Fre)**

[Letter: Human rabies after 10 days' incubation, in spite of sero-vaccinal treatment] Coulanges P, et al. **Nouv Presse Med** 4(38):2730, 8 Nov 75 **(Fre)**

RABIES VIRUS

Safety precautions in handling rabies virus. Kaplan MM. **WHO Monogr Ser** (23):13–8, 1973 (19 ref.)

Laboratory techniques in rabies: rapid microscopic examination for Negri bodies and preparation of specimens for biological test. Tierkel ES. **WHO Monogr Ser** (23):41–55, 1973

[Influence of the number of passages of the rabies virus on the immunogenicity of the antirabies phenol vaccine] Karumidze VK. **Veterinariia** (12):46, Dec 75 **(Rus)**

CLASSIFICATION

Relationship of two arthropod-borne rhabdoviruses (kotonkan and Obodhiang) to the rabies serogroup. Bauer SP, et al. **Infect Immun** 12(5):1157–72, Nov 75

[Characteristics and importance of different serotypes and variations of rabies viruses in epidemiology] Rengell FS, et al. **Rev Invest Salud Publica** 35(1):77–84, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of cytosine arabinoside, adenine arabinoside, and 6-azauridine on rabies virus in vitro and in vivo. Harmon MW, et al. **J Infect Dis** 133(1):7–13, Jan 76

GROWTH & DEVELOPMENT

Thermal inactivation of rabies and other rhabdoviruses: stabilization by the chelating agent ethylenediaminetetraacetic acid at physiological temperatures. Michalski F, et al. **Infect Immun** 14(1):135–43, Jul 76

Biological studies and plaquing of Mokola virus (rabies serogroup) in porcine kidney (PS) cells. David-West TS. **Intervirology** 4(6):346–53, 1974

Factors involved in the generation and replication of rhabdovirus defective T particles. Holland JJ, et al. **J Virol** 17(3):805–15, Mar 76

Selective suppression of cellular protein synthesis in BHK-21 cells infected with rabies virus. Madore HP, et al. **J Virol** 16(5):1351–4, Nov 75

Cell to cell transmission of virus in the central nervous system. II. Experimental rabies in mouse. Iwasaki Y, et al. **Lab Invest** 33(4):391–9, Oct 75

Characterization of rabies viruses recovered from persistently infected BHK cells. Kawai A, et al. **Virology** 67(2):520–33, Oct 75

Laboratory techniques in rabies: cell monolayer plaque test. Schneider L. **WHO Monogr Ser** (23):339–42, 1973

Laboratoty techniques in rabies: tissue culture methods. Wiktor TJ. **WHO Monogr Ser** (23):101–23, 1973

IMMUNOLOGY

Production of rabies fluorescent conjugate by immunization of rabbits with purified rabies antigen. Trimarchi CV, et al. **Bull WHO** 51(5):447–9, 1974

Use of the hemadsorption phenomenon for determining virus and neutralizing antibody titers of rabies. Minamoto N, et al. **Infect Immun** 13(5):1454–8, May 76

Measurement of rabies antibody: comparison of the mouse neutralization test (MNT) with the rapid fluorescent focus inhibition test (RFFIT). Louie RE, et al. **J Biol Stand** 3(4):365–73, 1975

Ethylenimine-inactivated rabies vaccine of tissue culture origin. Larghi OP, et al. **J Clin Microbiol** 3(1):26–33, Jan 76

Preparation of rabies fluorescein isothiocyanate-labeled immune globulin from mouse hyperimmune ascitic fluids. Tzianabos T, et al. **J Clin Microbiol** 3(6):609–12, Jun 76

Interaction of mouse peritoneal macrophages with fixed rabies virus in vivo and in vitro. Turner GS, et al. **J Gen Virol** 30(2):223–31, Feb 76

Clinical use of human globulin immune to rabies virus. Hattwick MA, et al. **J Infect Dis** 133 Suppl:A266–72, Jun 76

Laboratory techniques in rabies: the antibody binding test for vaccine potency. Arko RJ, et al. **WHO Monogr Ser** (23):292–4, 1973

The immunoperoxidase reaction for demonstration of rabies virus. Atanasiu P. **WHO Monogr Ser** (23):358–60, 1973

Passive haemagglutination test for rabies antibodies. Dierks RE, et al. **WHO Monogr Ser** (23):147–50, 1973

A rapid method for fluorescein labelling of rabies antibodies. Schneider L. **WHO Monogr Ser** (23):336–8, 1973

A rapid tissue culture test for determining rabies neutralizing antibody. Smith JS, et al. **WHO Monogr Ser** (23):354–7, 1973

A radioimmune assay for rabies binding antibody. Wiktor TJ. **WHO Monogr Ser** (23):182–5, 1973

Histamine level in the central nervous system in experimental rabies infection and immunization. Shokeir AA, et al. **Z Immunitaetsforsch** 143(2):206–8, Mar 72

[The preparation of rabies virus nucleocapsid specific IgG and its purification and conjugation with peroxidase or fluorescein isothiocyanate (author's transl)] Atanasiu P, et al. **Ann Microbiol (Paris)** 125B(1):85–98, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Comparative study 'in vitro' between rabies and rabies related viruses by the sensitized lymphocytes technique] Nozaki J, et al. **Ann Microbiol (Paris)** 127(3):429–38, Apr 76 (Eng. Abstr.) **(Fre)**

[Study of the antigenic relationship of different strains of the rabies group viruses] Shubladze AK, et al. **Vopr Virusol** (5):571–4, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Sensitivity of bhk-21 cells supplemented with diethylaminoethyl-dextran for detection of street rabies virus in saliva samples. Larghi OP, et al. **J Clin Microbiol** 1(3):243–5, Mar 75

Purification of defective interfering T particles of vesicular stomatitis and rabies viruses generated in vivo in brains of newborn mice. Holland JJ, et al. **Virology** 67(2):438–49, Oct 75

Aluminium phosphate method for rabies virus purification. Schneider L. **WHO Monogr Ser** (23):179–81, 1973

Purification of rabies virus and isolation of its components. Sokol F. **WHO Monogr Ser** (23):165–78, 1973 (16 ref.)

[Purification and concentration of the rabies virus with polyethylene glycol] Kuznetsova SV, et al. **Veterinariia** (9):42–3, Sep 74 **(Rus)**

[Isolation of rabies virus from Siberian polecats in Kazakhstan] Sansyzbaev BK. **Vopr Virusol** (4):485, Jul–Aug 75 **(Rus)**

METABOLISM

[Identification of rabies virus glycoproteins and nucleoproteins in infected cells by specifically labeled immunoglobulins] Atanasiu P, et al. **C R Acad Sci [D] (Paris)** 281(23):1913–5, 15 Dec 75 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Abortive rabies in rabbits and white rats infected intracerebrally. Gribencha SV. **Arch Virol** 49(4):317–22, 1975

Temperature-sensitive mutants of rabies virus in mice: a mutant (ts2) revertant mixture selectively pathogenic by the peripheral route of inoculation. Clark HF, et al. **Infect Immun** 13(5):1418–25, May 76

Rabies in experimentally infected bears, Ursus spp., with epizootiologic notes. Rausch RL. **Zentralbl Veterinaermed [B]** 22(5):420–37, Jul 75

[Comparative studies on pathomorphological changes in brains of various laboratory animals inoculated with fixed and attenuated strains of rabies virus] Zelman I, et al. **Neuropatol Pol** 14(1):67–80, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

[Morphological study of neurovirulence of the Vnukovo-32

strains of rabies virus] Chigirinskii AE, et al. **Vopr Virusol** (4):466–71, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Laboratory techniques in rabies: electron microscopy. Hummeler K, et al. **WHO Monogr Ser** (23):158–64, 1973

RACCOONS

Edwardsiella tarda infections in Florida racoons, Procyon lotor. White FH, et al. **Arch Environ Health** 30(12):602–3, Dec 75

Wildlife and environmental health: raccoons as indicators of zoonoses and pollutants in southeastern United States. Bigler WJ, et al. **J Am Vet Med Assoc** 167(7):592–7, 1 Oct 75 (54 ref.)

MICROBIOLOGY

Further characterization of Raccoonpox virus. Thomas EK, et al. **Arch Virol** 49(2–3):217–27, 1975

PARASITOLOGY

Capillaria procyonis sp. n. (Nematoda: Trichuridae) from the esophagus of the raccoon, Procyon lotor. Pence DB. **J Parasitol** 61(5):815–8, Oct 75

RACE RELATIONS

see related
CIVIL RIGHTS

A directional analysis of peer status scores in a racially integrated residential high school for the disadvantaged. Gruber JJ. **Am Correct Ther J** 29(5):158–64, Sep–Oct 75

Editorial: Racism: the ever-present hidden barrier to health in our society. Cornely PB. **Am J Public Health** 66(3):246–7, Mar 76

Letter: Right on the virus of racism. Terris M. **Am J Public Health** 66(7):692, Jul 76

A race riot's effect on psychological symptoms. Greenley JR, et al. **Arch Gen Psychiatry** 32(9):1189–95, Sep 75

Thoughts on racialism. Rom P. **Int J Soc Psychiatry** 22(1):53–5, Spring 76

Racism, professionalism, elitism. Their effect on the mental health delivery system. Shervington WW. **J Natl Med Assoc** 68(2):91–6, Mar 76

Report from South Africa: Hippocrates would roll in his grave... Stratte-McClure J. **Mod Health Care** 6(1):16j–16k, Jul 76

RACEMASES see under **ISOMERASES**

RACHITIS see **RICKETS**

RACIAL STOCKS

Abnormal adolescent primiparous pregnancy: association of race, human chorionic somatomammotropin production, and smoking. Hollingsworth DR, et al. **Am J Obstet Gynecol** 126(2):230–7, 15Sep 76

Racial differences in pigmentation and natural selection. Deol MS. **Ann Hum Genet** 38(4):501–3, May 75

Racial variations in the incidence of congenital malformations. Erickson JD. **Ann Hum Genet** 39(3):315–20, Jan 76

Racial differences in sarcoidosis. Sartwell PE. **Ann NY Acad Sci** 278:368–70, 1976

Alpha-Fetoprotein levels in normal males from seven ethnic groups with different hepatocellular carcinoma risks. Sizaret P, et al. **Ann NY Acad Sci** 259:136–55, 22 Aug 75

Characteristics of normal labour in different racial groups. Duignan NM, et al. **Br J Obstet Gynaecol** 82(8):593–601, Aug 75

The relationship of race, sex, and age to concentrations of serum immunoglobulins expressed in international units in healthy adults in the USA. Maddison SE, et al. **Bull WHO** 52(2):179–85, 1975

Plasma hormone levels in different ethnic populations of women. Hill P, et al. **Cancer Res** 36(7 PT 1):2297–301, Jul 76

A study of multiracial malocclusions. Lavelle CL. **Community Dent Oral Epidemiol** 4(1):38–41, Jan 76

Attitudes toward the aged as a function of race and social class. Thorson JA. **Gerontologist** 15(4):343–4, Aug 75

Genetic parameters of dermal patterns of ridge counts. Mi MP, et al. **Hum Hered** 25(4):249–57, 1975

Correlation between deciduous tooth size. Lavelle CL. **J Dent Res** 55(1):165, Jan–Feb 76

Editorial: Some special concerns about race and health: an editorial finale. Jackson JJ. **J Health Soc Behav** 16(4):342, 429–9, Dec 75

Racial and occupational variations in cancer of the testis: San Francisco, 1956–65. Mustacchi P, et al. **J Natl Cancer Inst** 56(4):717–20, Apr 76

Racial predilection in multiple sclerosis. Alter M, et al. **J Neurol** 210(1):1–20, 4 Aug 75

Urbanization and differentials in white and nonwhite infant mortality. Chabot MJ, et al. **Pediatrics** 56(5):777–81, Nov 75

Growth standards for infants and children: a cross-sectional study. Robson JR, et al. **Pediatrics** 56(6):1014–20, Dec 75

Black-white differences in serum lipids and lipoproteins in Evans County. Tyroler HA, et al. **Prev Med** 4(4):541–9, Dec 75

Serum immunoglobin E concentrations of allergic patients and blood donors. Influence of allergy, sex and race on IgE values. Orren A, et al. **S Afr Med J** 49(34):1387–90, 9 Aug 75

Absence of abnormal variants of cholinesterase (E.C. 3.1.1.1.8) in a Malaysian population with three major racial groups. Ganendran A, et al. **Singapore Med J** 16(4):256–8, Dec 75

Patterns of cerebrovascular disease in Japanese and other population groups in Hawaii: an angiographical study. Brust RW Jr. **Stroke** 6(5):539–42, Sep–Oct 75

Non-Caucasian rhinoplasty. Stucker FJ. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 417–22, Jul–Aug 76

Maternal and foetal vitamin B12 concentration at parturition among Nigerians. Osifo BO, et al. **Trop Geogr Med** 28(1):37–40, Mar 76

[Developmental standards of gipsy children] Suchý J. **Cesk Pediatr** 30(7–8):313–8, Aug 75 **(Cze)**

[Population-genetics characteristics of the aboriginal population of Primorsk territory] Voronina VG. **Biol Nauki** (8):135–42, 1975 **(Rus)**

[Racial influence on the ventilatory response to hypoxia and hypercapnia (author's transl)] Cruz JC, et al. **Acta Physiol Lat Am** 25(1):23–32, 1975 **(Spa)**

HISTORY

Archeology, population genetics and studies of human racial ancestry. Weiss KM, et al. **Am J Phys Anthropol** 44(1):31–49, Jan 76

RADAR

Visual time compression: spatial and tmeporal cues. Scanlan LA. **Hum Factors** 17(4):337–45, Aug 75

[Signal theory and its application to radar] pp. 31–67. Carpentier MH. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

The effect of radar on cardiac pacemakers. Rohl D, et al. **ISA Trans** 14(2):115–7, 1975

[Chromosome studies of personnel exposed to electromagnetic radiation at radar centers] Italiano P, et al. **Minerva Med** 67(24):1557–60, 12 May 76 (Eng. Abstr.) **(Ita)**

RADIAL NERVE

Posterior interosseous nerve paralysis caused by fibrous band compression at the supinator muscle. A report of four cases. Nielsen HO. **Acta Orthop Scand** 47(3):304–7, Jun 76

Tardy palsy of the radial nerve from a Monteggia fracture. Austin R. **Injury** 7(3):202–4, Feb 76

Clinical, electrophysiological, quantitative, histologic and ultrastructural studies of the index branch of the radial cutaneous nerve in leprosy. I. Preliminary report. Antia NH, et al. **Int J Lepr** 43(2):106–13, Apr–Jun 75

Radial nerve enclosed in the callus of a supracondylar fracture. Symeonides PP, et al. **J Bone Joint Surg [Br]** 57(4):523–4, Nov 75

Radial paralysis in a goat: treatment by tendon transplantation. Bacher JD, et al. **Vet Med Small Anim Clin** 71(8):1031–4, Aug 76

ANATOMY & HISTOLOGY

Innervation of the hand. Backhouse KM. **Hand** 7(2):107–14, Jun 75

[Neuroskeletal radiography and relationships of the sensitive branch of the radial nerve] Depreux R, et al. **Bull Assoc Anat (Nancy)** 59(166):611–20, Sep 75 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Letter: 2 cases of sleep paralysis—reversible radial paralysis] Akuama G. **Ugeskr Laeger** 138(27):1646, 28 Jun 76 **(Dan)**

INJURIES

Radial nerve lesions and their treatment. Dolenc V. **Acta Neurochir (Wien)** 34(1–4):235–40, 1976

Monteggia lesions and their complicating nerve damage. Jessing P. **Acta Orthop Scand** 46(4):601–9, Sep 75

[Traumatic destruction of 6 cm. of the radial nerve. Overbridging with silastic tubular grafts. Physiopathological comments] Leclercq R. **Acta Chir Belg** 75(2):253–63, Mar 76 **(Fre)**

[Prognosis of nerve injuries in humeral fractures] Panitz K, et al. **Chirurg** 46(9):392–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Rehabilitation of patients with fractures of humeral diaphysis and radial nerve injury] Blinov BV, et al. **Vestn Khir** 115(8):96–8, Aug 75 (Eng. Abstr.) **(Rus)**

[Conductivity of the radial nerve following its injury] Bersnev VP. **Vopr Neirokhir** (2):43–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Quantitative, histologic and ultrastructural studies of the index branch of the radial cutaneous nerve in leprosy and its correlation with electrophysiologic study. Mehta LN, et al. **Int J Lepr** 43(3):256–64, Jul–Sep 75

PHYSIOLOGY

Metabolic and functional control of cerebral blood flow. pp. 361–5. Fieschi C, et al. **In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.**

Cutaneous afferent activity in median and radial nerve fascicles: a microelectrode study. Burke D, et al. **J Neurol Neurosurg Psychiatry** 38(9):855–64, Sep 75

Fibre function and perception during cutaneous nerve block. Mackenzie RA, et al. **J Neurol Neurosurg Psychiatry** 38(9):865–73, Sep 75

Variables in recording motor conduction of the radial nerve. Humphries R, et al. **Phys Ther** 56(7):809–14, Jul 76

['Filtering' of deep impulses of different origin by cortico-callosal projections] Manzoni T, et al. **Boll Soc Ital Biol Sper** 51(18):1190–5, 30 Sep 75 **(Ita)**

PHYSIOPATHOLOGY

Superficial radial neuropathy. Braidwood AS. **J Bone Joint Surg [Br]** 57(3):380–3, Aug 75

[Compression of the posterior branch of the radial nerve. An unknown etiology of certain paralysis and certain refractory epicondylalgies] Comtet JJ, et al. **Nouv Presse Med** 5(17):1111–4, 24 Apr 76 (Eng. Abstr.) **(Fre)**

SURGERY

Lyophilised corium grafts in peripheral nerve repair. Binns JH, et al. **Br J Plast Surg** 29(3):251–2, Jul 76

Early tendon transfer for radial nerve transection. Bevin AG. **Hand** 8(2):134–6, Jun 76

Further experience with interfascicular grafting of the median, ulnar, and radial nerves. Millesi H, et al. **J Bone Joint Surg [Am]** 58(2):209–18, Mar 76

['Spontaneous' paralysis of the posterior interosseous nerve by unusual lesions] Comtet JJ, et al. **Rev Chir Orthop** 61(6):533–41, Sep 75 **(Fre)**

TRANSPLANTATION

The free vascularized nerve graft. A further experimental and clinical application of microvascular techniques. Taylor GI, et al. **Plast Reconstr Surg** 57(4):413–26, Apr 76

RADIATION

see related
ATOMIC WARFARE

Letter: Systemic radiation during the radioactive phosphorus uptake test. Gaasterland DE. **Am J Ophthalmol** 81(5):691–2, May 76

A bookshelf on radiological health. Wilms HG, et al. **Am J Public Health** 65(11):1231–7, Nov 75

Radiation problems in a strong magnetic field. Shen CS. **Ann NY Acad Sci** 257:44–55, 22 Aug 75

Proceedings: Fast mixing studies on the time scale of the oxygen effect in irradiated bacteria. Maughan RL, et al. **Br J Cancer** 32(6):760–1, Dec 75

Radiation sterilization of medical products. Fogarty MG. **Bull Parenter Drug Assoc** 29(6):269–77, Nov–Dec 75

Gamma radiation as a microbiological control process. O'Sullivan ET, et al. **Bull Parenter Drug Assoc** 30(1):49–52, Jan–Feb 76

Monte Carlo simulated irradiation in a spatially dependent field. Jones TD, et al. **Health Phys** 30(2):167–71, Feb 76

The (hi)story of the induction of molecular asymmetry by the intrinsic asymmetry in beta-decay. Vester F. **J Mol Evol** 4(1):1–13, 28 Nov 74

Letter: 18F and 13N production by a Van de Graaff accelerator. Reed MF, et al. **Phys Med Biol** 20(3):493–4, May 75

RADIATION BIOLOGY see **RADIOBIOLOGY**

RADIATION CHIMERA

Reconstitution capacity of bone marrow cells from nude mice in radiation chimeras. Tao TW, et al. **Acta Haematol (Basel)** 55(6):332–7, 1976

The recovery of the B cell compartment in lethally irradiated and reconstituted mice. Rozing J, et al. **Adv Exp Med Biol** 66:203–8, 1976

Regeneration of blood-forming organs after autologous leukocyte transfusion in lethally irradiated dogs. II. Distribution and cellularity of the marrow in irradiated and transfused animals. Calvo W, et al. **Blood** 47(4):593–601, Apr 76

Proceedings: The role of the spleen in the repopulation of the haemopoietic system of mouse radiation chimaeras. Silini G, et al. **Br J Cancer** 32(6):762, Dec 75

Studies of the immunological capacity of germ-free mouse radiation chimeras. IV. Cell-mediated immunity. Dauphinee MJ, et al. **Cell Immunol** 14(3):394–401, Dec 74

Properties of reticulum cell sarcomas in SJL/J mice. III. Promotion of tumor growth in irradiated mice by normal lymphoid cells. Lerman SP, et al. **Cell Immunol** 23(1):53–67, Apr 76

Homogeneous immunoglobulins in sera of rhesus monkeys

after lethal irradiation and bone marrow transplantation. Rádl J, et al. **Clin Exp Immunol** 16(2):259–65, Feb 74

The effect of human alpha 2-macroglobulin on the restoration of humoral responsiveness in x-irradiated mice. Tunstall AM, et al. **Clin Exp Immunol** 21(1):173–80, Jul 75

Analysis of programmed gene action by means of radiation chimaeras. Boubelík M, et al. **Folia Biol (Praha)** 21(2):81–6, 1975

The mitotic activity of, and antibody production by, sensitized lymphocytes quantified after transfer into irradiated recipients. Doenhoff MJ, et al. **Immunology** 31(2):205–16, Aug 76

T cell tolerance in transplantation systems. pp. 137–46. Elkins WL.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.

Histocompatibility and T-B cell cooperation in mouse radiation chimeras. Sado T, et al. **J Immunol** 115(6):1607–12, Dec 75

Infusion of donor lymphocytes into stable canine radiation chimeras: implications for mechanism of transplantation tolerance. Weiden PL, et al. **J Immunol** 116(5):1212–9, May 76

Plasma haptoglobin levels and radiation chimeras in mice. Hayakawa J, et al. **Radiat Res** 66(2):384–92, May 76

Variations in individual specificity of allogeneic tolerance in canine radiation chimeras. Bachvaroff R, et al. **Surg Forum** 26:329–30, 1975

Allogeneic unresponsiveness to orthotopic cardiac transplants in DL-A-identical radiation chimeras. Boyd AD, et al. **Transplant Proc** 7(4):475–7, Dec 75

Induction of tolerance to third-party donor organs in canine radiation chimeras. Rapaport FT, et al. **Transplant Proc** 7(4):471–4, Dec 75

T cell function in bone marrow chimeras: absence of host-reactive T cells and cooperation of helper T cells across allogeneic barriers. von Boehmer H, et al. **Transplant Rev** 29:3–23, 1976

Mitigation of graft-versus-host disease in lethally irradiated mice grafted with spleen cells adherent to glass beads. Gambrill MR, et al. **Transplantation** 21(3):247–54, Mar 76

Reactivation of radioresistant F1-specific parental cells by F1 T cells. Preliminary evidence for a semiallogeneic T-T cell interaction. Gleichmann E, et al. **Transplantation** 21(1):77–81, Jan 76

Chimaerism of immunocompetent cells in allogeneic bone marrow-reconstituted lethally irradiated chickens. Lydyard PM, et al. **Transplantation** 20(2):155–62, Aug 75

Allogeneic bone marrow chimerism in germ-free mice. IV. Therapy of 'Hodgkin's-like' reticulum cell sarcoma in SJL mice. Truitt RL, et al. **Transplantation** 21(1):12–6, Jan 76

[Histogenesis of sarcomas, induced by plastic films, in murine radiation chimeras] Moizhess TG, et al. **Biull Eksp Biol Med** 81(5):587–9, May 76 (Eng. Abstr.) **(Rus)**

[Kinetics of the immune response during syngeneic transplantation of thymus and bone marrow cells] Iakovchenko VA, et al. **Dokl Akad Nauk SSSR** 227(2):484–5, 11 Mar 76 **(Rus)**

[A radioautographic study of the turnover and differentiation of mast cells in normal mice and mouse radiation chimeras] Chernyshova EV, et al. **Ontogenez** 6(2):205–8, 1975 (Eng. Abstr.) **(Rus)**

[A radioautographic study of the turnover and differentiation of mast cells in normal mice and mouse radiation chimeras] Chernyshova EV, et al. **Ontogenez** 6(2):205–8, 1975 (Eng. Abstr.) **(Rus)**

[Participation of transplanted xenogenic bone marrow cells in an inflammatory reaction] Michurina TV. **Ontogenez** 6(4):407–10, 1975 (Eng. Abstr.) **(Rus)**

[Participation of transplanted xenogenic bone marrow cells in an inflammatory reaction] Michurina TV. **Ontogenez** 6(4):407–10, 1975 (Eng. Abstr.) **(Rus)**

[Species specificity of interferon induced by influenza virus and poly I:C in a xenogenic chimera] Mentkevich LM, et al. **Radiobiologiia** 15(4):630–2, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

RADIATION DOSAGE

see related
RADIOTHERAPY DOSAGE

Electron depth absorbed doses for small phantom depths. Comparison between different accelerators. Hultén G, et al. **Acta Radiol [Ther] (Stockh)** 14(6):537–44, Dec 75

Skin reactions after different fractionation schedules giving the same cumulative radiation effect. Turesson I, et al. **Acta Radiol [Ther] (Stockh)** 14(5):475–84, Oct 75

Radiation hygiene in photofluorography. Welde F. **Acta Radiol [Ther] (Stockh)** 14(2):187–94, Arp 75

Minimizing radiation exposure in dental radiology. Lilienthal B, et al. **Aust Dent J** 20(1):1–6, Feb 75

Methodology in the radiolysis of biochemical compounds with cyclotron beams at low flux densities. Jayko ME, et al. **Biochem Biophys Res Commun** 68(1):307–12, 12 Jan 76

Dangers and problems in calculating coefficients of a sum of exponential functions. Bietry JC, et al. **Biomedicine** 22(1):70–6, Jan 75

Radiation dosage to the breast in well-women screening surveys. Asbury DL, et al. **Br J Radiol** 48(576):963–7, Dec 75

Radiation exposure to the patient in xeroradiography. Boag JW, et al. **Br J Radiol** 49(579):253–61, Mar 76

Letter: Absorbed dose to the bladder from 99TCm DTPA. Diffey BL, et al. **Br J Radiol** 49(578):196–8, Feb 76

Letter: Fractionation schedules and a quadratic dose-effect relationship. Douglas BG, et al. **Br J Radiol** 48(570):502–4, Jun 75

Letter: Image quality and radiation in mammography. Evans AL, et al. **Br J Radiol** 48(576):1035–6, Dec 75

A modified geometric factor approach to internal gamma ray dosimetry. Gupta MM, et al. **Br J Radiol** 49(577):71–5, Jan 76

Measurements of automatically controlled exposure rate in radiodiagnostic screening units. Henshaw ET, et al. **Br J Radiol** 48(572):680–2, Aug 75

Proceedings: The relationship between iso-effect dose and overall irradiation time in an organized tissue. Liversage WE, et al. **Br J Radiol** 48(576):1045, Dec 75

Letter: Radiation dose measurements to the eyes during cerebral angiography. Smith CC, et al. **Br J Radiol** 49(582):570–1, Jun 76

Exposure and roentgen-area-product in xeromammography and conventional mammography. Baxt JH, et al. **Health Phys** 30(1):91–4, Jan 76

Measurement of absorbed fractions for photon sources distributed uniformly in various organs of a heterogeneous phantom. Garry SM, et al. **Health Phys** 28(5):591–7, May 75

Internal gamma-ray dosimetry of a spheroidal source-effect of shape parameter. Gupta MM, et al. **Health Phys** 30(2):238–40, Feb 76

A comparison of the dose to cells on trabecular bone surfaces from plutonium-239 and radium-226 based on experimental alpha absorption measurements. Harley NH, et al. **Health Phys** 30(1):35–46, Jan 76

Letter: A comment on 'Dose equivalent rate in the basal layer of skin from 241 Am alpha particles'. Harvey JR. **Health Phys** 30(5):418–9, May 76

Development of dosimetry for RF and microwave radiation-III: Dose rate distribution in tissue spheres due to measured spectra of electromagnetic plane wave. Ho HS, et al. **Health Phys** 29(2):325–9, Aug 75

Development of dosimetry for RF and microwave radiation —II: Calculations of absorbed dose distributions in two sizes of muscle-equivalent spheres. Ho HS, et al. **Health Phys** 29(2):317–24, Aug 75

Lymphocyte as a biological dosimeter: a different approach. Madhvanath U. **Health Phys** 30(3):296–9, Mar 76

Estimate of natural internal radiation dose to man. Manocha KK, et al. **Health Phys** 30(6):485–7, Jun 76

90Sr-90Y dose distribution in beagles: injection relative to ingestion. Momeni MH, et al. **Health Phys** 30(1):3–19, Jan 76

Bone and bone marrow spaces in dosimetry of beagles skeletons. Momeni MH, et al. **Health Phys** 29(6):877–81, Dec 75

The distribution of absorbed dose-rates in humans from exposure to environmental gamma rays. O'Brien K, et al. **Health Phys** 30(1):71–8, Jan 76

Letter: Environmental dose commitment. Richardson AC. **Health Phys** 29(2):353–4, Aug 75

Plutonium—health implications for man. The importance of non-uniform dose-distribution in an organ. Richmond CR. **Health Phys** 29(4):525–37, Oct 75

Plugged haversian canals and skeletal dose in radium cases. Simmons DJ, et al. **Health Phys** 29(5):767–75, Nov 75

Radiation doses from iodine-129 in the environment. Soldat JK. **Health Phys** 30(1):61–70, Jan 76

Plutonium—health implications in man. The concepts of critical organ and radiation dose as applied to plutonium. Stannard JN. **Health Phys** 29(4):539–50, Oct 75

A model for estimating population exposures due to the operation of high-energy accelerators at the Lawrence Berkeley Laboratory. Stephens LD, et al. **Health Phys** 30(5):404–7, May 76

Letters to the editors: 'Though it's been said many times, many ways...'. Thorngate JH. **Health Phys** 28(5):633–4, May 75

Radiation exposures aboard commercial aircraft. Uselman J, et al. **Health Phys** 29(6):881–3, Dec 75

Absorbed dose in phantoms which represent various aged male humans from external sources of photons as a function of age. Warner GG, et al. **Health Phys** 28(5):599–603, May 75

Development of dosimetry for RF and microwave radiation-I: Dosimetric quantities for RF and microwave electromagnetic fields. Youmans HD, et al. **Health Phys** 29(2):313–6, Aug 75

The effect of multiple small fractions of x-rays on skin reactions in the mouse. pp. 351–61. Douglas BG, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The response of mouse skin and lung to fractionated x-rays. pp. 362–8. Field SB, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Responses of some normal tissues to low doses of gamma-radiation. pp. 369–75. Withers HR.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

International intercomparison of neutron dosimetry. pp. 532–46. Caswell RS, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Microdosimetry of Auger electrons. pp. 557–69. Feige Y, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Particle dosimetry by track etching, with applications to Apollo astronauts and to heavy radionuclide mapping in biological systems. pp. 570–80. Fleischer RL.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Dosimetric parameters and terminology relevant to radiobiology. pp. 547–56. Oliver R.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Planning of gamma-fields: forming and checking dose-rate homogeneity in irradiation facilities. pp. 323–9. Stenger V, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

CoIII—EDTA dosimetry: accurate measurement of gamma-radiation doses at 10(4)–10(8) rads. Chuang JT, et al. **Int J Appl Radiat Isot** 26(11):662–6, Nov 75

Rapid estimation of the radiation dose to patients from radionuclidic impurities in eluates from generators. Colombetti LG. **Int J Appl Radiat Isot** 26(11):667–70, Nov 75

Measurement of the average gamma-ray dose with uniformly distributed sources. Lahmann W, et al. **Int J Appl Radiat Isot** 27(3):137–41, Mar 76

Alpha-Microdosimetry in bone sections by means of dielectric track detectors and electronic image analysis. Polig E. **Int J Appl Radiat Isot** 26(8):471–9, Aug 75

Radiation dose from plutonium deposited in marrow and bone of normal and chimaeric mice. Humphreys ER, et al. **Int J Radiat Biol** 27(6):561–7, Jun 75

Dose rate distribution in triple-layered dielectric cylinder with irregular cross section irradiated by plane wave sources. Ho HS. **J Microwave Power** 10(4):421–32, Dec 75

Summary of current radiation dose estimates to human from 197Hg- and 203Hg-labeled chlormerodrin. **J Nucl Med** 16(11):1095–8, Nov 75

MIRD/Dose Estimate Report No. 8. Summary of current radiation dose estimates to normal humans from 99mTc as sodium pertechnetate. **J Nucl Med** 17(1):74–7, Jan 76

MIRD/Dose Estimate Repart No. 7. Summary of current radiation dose estimates to humans from 123I, 124I, 126I, 130I, and 131I as sodium rose bengal. **J Nucl Med** 16(12):1214–7, Dec 75

Significance of radiocontaminants in 123I for dosimetry and scintillation camera imaging. Baker GA, et al. **J Nucl Med** 17(8):740–3, Aug 76

Dosimetry of several DTPA radiopharmaceuticals in cisternography. Brookeman VA, et al. **J Nucl Med** 16(12):1177–82, Dec 75

Xenon-133, 127Xe, and 125Xe for lung function investigations: a dosimetric comparison. Goddard BA, et al. **J Nucl Med** 16(8):780–6, Aug 75

Gonadal radiation dose and its genetic significance in radioiodine therapy of hyperthyroidism. Robertson JS, et al. **J Nucl Med** 17(9):826–35, Sep 76

Estimates of radiation dose to the embryo from nuclear medicine procedures. Smith EM, et al. **J Nucl Med** 17(9):836–9, Sep 76

Use of tissue-to-air ratio in computation of specific absorbed fraction. Tripathi UB, et al. **J Nucl Med** 16(6):492–4, Jun 75

Radiation hazards from 241Am sources used in thyroid studies. Venkataraman G, et al. **J Nucl Med** 17(5):408–10, May 76

Radiation dose to the liver from 201Ti Watson EE, et al. **J Nucl Med** 16(11):1089–90, Nov 75

Letter: Xeroradiographs of the nuchal area: potential risk vs efficiency. L'Heureux P. **J Pediatr** 89(3):522, Sep 76

A physical dose estimates for A-bomb survivors. Studies at Oak Ridge, U.S.A. Auxier JA. **J Radiat Res (Tokyo)** 16 Suppl:1–11, Sep 75

Dose estimation from residual and fallout radioactivity. 2. A simulated neutron activation experiment. Hashizume T, et al. **J Radiat Res (Tokyo)** 16 Suppl:32–4, Sep 75

Physical dose estimates for A-bomb survivors. Studies at Chiba, Japan. Hashizume T, et al. **J Radiat Res (Tokyo)** 16 Suppl:12–23, Sep 75

Dose estimation from residual and fallout radioactivity. 3. Fallout in the Nagasaki—Nishiyama district. Okajima S. **J Radiat Res (Tokyo)** 16 Suppl:35–41, Sep 75

Diagnostic and therapeutic radiation exposure. Russell WJ. **J Radiat Res (Tokyo)** 16 Suppl:42–8, Sep 75

Dose estimation from residual and fallout radioactivity. 1. Areal surveys. Takeshita K. **J Radiat Res (Tokyo)** 16 Suppl:24–31, Sep 75

Comparisons of radiation dosimetry between Louvain (Belgium) and Edinburgh (U.K.). Law J, et al. **J Radiol Electrol Med Nucl** 56(5):419–21, May 75

Victoreen calibration 'discrepancies' noted. Gray L. **Med Phys** 2(2):82, Mar-Apr 75

Importance of the calibration of all of the parameters affecting radiation exposure measurement. McCarthy WA. **Med Phys** 2(2):83–4, Mar-Apr 75

Letter: Radiation from smoke detectors. Goodman J.

N Engl J Med 294(8):448, 19 Feb 76
Letter: Radiation from smoke detectors. Steinfeld AD, et al. **N Engl J Med** 293(24):1268, 11 Dec 75
External dose estimates for future inhabitants of eniwetok atoll. Gudiksen PH, et al. **Nature** 257(5524):284–7, 25 Sep 75
Letter: Intraoral x-ray examination exposures. Paul IR. **NY J Dent** 46(1):14–5, Jan 76
An alternative approach to dose reduction in dental radiography. Webber RL, et al. **Oral Surg** 40(4):553–63, Oct 75
Letter: Depth absorbed dose distributions for electrons. Atherton L, et al. **Phys Med Biol** 20(4):658–61, Jul 75
The dosimetry of radioisotopes incorporated in bone using cavity ionization theory. Burlin TE, et al. **Phys Med Biol** 21(1):1–15, Jan 76
Dosimetry of 129Cs and 131Cs for human internal organs. Chandra R. **Phys Med Biol** 20(3):483–8, May 75
An experimental and calculated dose distribution in water around CDC K-type caesium-137 sources. Diffey BL, et al. **Phys Med Biol** 20(3):446–54, May 75
The calculation of charged particle fluence and LET spectra for the irradiation of biologically significant materials by neutrons. Edwards AA, et al. **Phys Med Biol** 20(3):395–409, May 75
Correspondence: Ferrous sulphate G-value for cyclotron produced neutrons with a mean energy of 7–6 MeV. Greene D, et al. **Phys Med Biol** 20(4):650–7, Jul 75
Letter: Conversion of beta-ray dose rates measured in air to dose rates in skin. Harvey JR, et al. **Phys Med Biol** 20(4):652–6, Jul 75
Letter: Conversion of beta-ray dose rates measured in air to dose rates in skin. Heinzelmann M. **Phys Med Biol** 20(3):841–3, Sep 75
The validity of an equivalent point source (EPS) assumption used in quantitative scanning. Jones JP, et al. **Phys Med Biol** 20(3):455–64, May 75
RBE-dose relations for neutrons and pions. Katz R, et al. **Phys Med Biol** 20(3):410–9, May 75
An approach to microdosimetry in a pi- meson beam using nuclear emulsions. Kember NF, et al. **Phys Med Biol** 20(6):918–25, Nov 75
The response of the ferrous sulphate dosemeter to neutrons. Lawson RC, et al. **Phys Med Biol** 20(3):420–30, May 75
Letter: On the quantity to be measured with beta-ray dosemeters. Reich H, et al. **Phys Med Biol** 20(6):1031–5, Nov 75
Dose equivalent and absorbed dose. Rindi A, et al. **Phys Med Biol** 20(3):491–3, May 75
The effect of geometry on capillary wall dose for boron neutron capture therapy. Rydin RA, et al. **Phys Med Biol** 21(1):134–8, Jan 76
Calculated beta-ray dose factors for trabecular bone. Whitwell JR, et al. **Phys Med Biol** 21(1):16–38, Jan 76
The transformation method for the MIRD absorbed fraction as applied to various physiques. Yamaguchi H, et al. **Phys Med Biol** 20(4):593–601, Jul 75
[Effect of ionizing sterilization doses on the properties of plastics used in medical technology] Robalewski AM. **Polim Med** 5(4):293–9, 1975 (Eng. Abstr.) **(Eng, Pol)**
Protection of lethally irradiated mice with allogeneic fetal liver cells: influence of irradiation dose on immunologic reconstitution. Tulunay O, et al. **Proc Natl Acad Sci USA** 72(10):4100–4, Oct 75
The influence of the counter wall and the counter shape on the spectral energy deposition in small volumes by 60Co gamma-rays and 200 kV x-rays. Eickel R, et al. **Radiat Environ Biophys** 13(2):145–65, 30 Jul 76
The concept of the effective dose—a proposal for the combination of organ doses. Jacobi W. **Radiat Environ Biophys** 12(2):101–9, 18 Jun 75
Concepts of microdosimetry II. Probability distributions of the microdosimetric variables. Kellerer AM, et al. **Radiat Environ Biophys** 12(3):205–16, 2 Oct 75
Concepts of microdosimetry. III. Mean values of the microdosimetric distributions. Kellerer AM, et al. **Radiat Environ Biophys** 12(4):321–35, 4 Dec 75
Problems of component discrimination in space radiation dosimetry. Schaefer HJ. **Radiat Environ Biophys** 12(2):127–37, 18 Jun 75
Dose enhancement due to backscattered secondary electrons at the interface of two media. Murthy MS, et al. **Radiat Res** 67(2):215–23, Aug 76
On the Class 'A' fission-neutron irradiation of small laboratory animals. Zaránd P. **Radiat Res** 64(2):344–52, Nov 75
Letter: Fetal dose in obstetric radiography. Ardran GM, et al. **Radiography** 42(495):61–2, Mar 76
Letter: Observations on obstetrical techniques and radiation dose. Pritchard CA, et al. **Radiography** 41(492):265, Dec 75
Female gonadal exposure dose in routine diagnostic radiology. Rosekrans P, et al. **Radiol Clin (Basel)** 45(1):9–17, 1976
Physical and dosimetric aspects of diagnostic geometrical and computer-assisted tomographic procedures. McCullough EC, et al. **Radiol Clin North Am** 14(1):3–14, Apr 76
Dosimetry considerations in cyclotron-produced 99mTc. Barnes WE, et al. **Radiol Diagn (Berl)** 16(1):9–15, 1975
Film mammography: new low radiation technology. Chang CH, et al. **Radiology** 121(1):215–7, Oct 76
A collimator for reduced radiation dose with improved visualization of soft tissues. Freedman ML, et al. **Radiology** 118(1):226–8, Jan 76
Single dose fast neutron RBE for pulmonary and esophageal damage in mice. Geraci JP, et al. **Radiology** 120(3):701–3, Sep 76
The effects of single and multifraction radiation courses on the mouse spinal cord. Goffinet DR, et al. **Radiology** 119(3):709–13, Jun 76
Cystourethrography procedures in children. Evaluation of benefits versus dose. Saenger EL, et al. **Radiology** 118(1):123–8, Jan 76
Low-dosage x-ray imaging system employing flying spot x-ray microbeam (dynamic scanner). Tateno Y, et al. **Radiology** 121(1):189–95, Oct 76
Repair of sublethal and potentially lethal radiation damage by rat embryos exposed to gamma rays or helium ions. Ward WF, et al. **Radiology** 120(3):695–700, Sep 76
Radiation dose in lungs. Grillmaier R, et al. **Riso Rep** (294):31–51, Jun 73
Radiation load of kidney transplant recipients caused by radiodiagnostics. Edgren J. **Scand J Urol Nephrol** (29 Suppl):83–4, 6–7 Mar 75
Skin dose with cones and diaphragms in 137Cs teletherapy – a study using lithium borate thermoluminescent dosimeters. Das KR, et al. **Strahlentherapie** 150(2):134–7, Aug 75
An estimate of the 60Co gamma attenuation in the small phantom enployed in the definition of tissue air ratio. Jayaraman S. **Strahlentherapie** 151(2):172–5, Feb 76
Radiation doses from 133Xe and 127Xe used for lung function investigations. Ackery DM, et al. **Strahlentherapie [Sonderb]** 74:31–43, 1975
Some studies of the dosimetry and safety of radiopharmaceuticals. Trott NG, et al. **Strahlentherapie [Sonderb]** 74:1–18, 1975
[Determination of the diffusion function of 25 MV x-rays in a tissue equivalent medium] Marinello G, et al. **Acta Radiol [Ther] (Stockh)** 14(6):579–89, Dec 75 (Eng. Abstr.) **(Fre)**
Measurement of stopping power for electron beams with LiF dosimeters. Fregene AO. **Int J Appl Radiat Isot** 27(5–6):326–30, May-Jun 76 **(Fre)**
[Graphic relations between keV, HVL and depth doses in the skin for soft x-rays (author's transl) Van Caneghem P, et al. **Int J Appl Radiat Isot** 26(8):455–8, Aug 75 (Eng. Abstr.) **(Fre)**
[Pediatric radiography and irradiation] Claus D, et al. **J Belge Radiol** 55(2):263–70, Mar-Apr 72 (Eng. Abstr.) **(Fre)**
[Dosimetry in radiologic diagnosis] Elegem PV, et al. **J Belge Radiol** 55(2):271–84, Mar-Apr 72 (Eng. Abstr.) **(Fre)**
[Comparative radiation dosage by computerized transverse axial tomography and conventional neuroradiological studies] Garsou J, et al. **J Belge Radiol** 58(5):363–6, Sep-Oct 75 **(Fre)**
[A comparison of the radiation dose from film and xeroradiography (author's transl)] Evers R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):69–72, Jul 75 (Eng. Abstr.) **(Ger)**
[Theoretical investigations for optimising the quantum in radiodiagnosis (author's transl)] Freyer G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):571–9, Dec 75 (Eng. Abstr.) **(Ger)**
[Clinical application of iodine 123 with special consideration of radionuclide purity, measuring accuracy and radiation dose(author's dose)] Hermann HJ, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):456–61, May 75 (Eng. Abstr.) **(Ger)**
[Radiation dose to the head, and particularly to the lens of the eye, during tomography with EMI scanner.] Nemec HW, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):526–30, Jun 76 (Eng. Abstr.) **(Ger)**
[Radiation dose to the patient after administration of radioactive labelled colloids (author's transl)] Wolf R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):324–30, Oct 75 (Eng. Abstr.) **(Ger)**
[Trends and new findings in the assessment of the somatic radiation risk (author's transl)] Jacobi W. **God Zb Med Fak Skopje** 124(5):489–92, May 76 (Eng. Abstr.) **(Ger)**
[Comparison of Röntgen photographic systems in view of picture quality and of radiation dosage necessary for picture taking] pp. 215–9. Angerstein W. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**
[Principles of dosimetry] pp. 44–60. Hegewald H. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**
[Studies on the specific effect of low doses of ionizing radiation on the seeds of cultivated plants. 5-Year production experiments using 60C0-gamma irradiated silo maize] Degner W, et al. **Radiobiol Radiother (Berl)** 16(1):37–49, 1975 **(Ger)**
[Haematological changes and survival on mice following continuous irradiation (author's transl)] Kalina I, et al. **Radiobiol Radiother (Berl)** 16(3):347–54, 1975 (Eng. Abstr.) **(Ger)**
[Penetratingly recurrent errata of radiation measuring technique (author's transl)] Potschwadek B. **Radiobiol Radiother (Berl)** 17(1):61–4, 1976 (Eng. Abstr.) **(Ger)**
[Examinations on effective focal spot size in diagnostic X-ray tubes (author's transl)] Andersson O. **Radiol Diagn (Berl)** 15(4):535–42, 1974 (Eng. Abstr.) **(Ger)**
[Comparison of the dose to different radiodiagnostic working places with the same control board data (author's transl)] Andersson O. **Radiol Diagn (Berl)** 15(5):687–91, 1974 (Eng. Abstr.) **(Ger)**
[The influence of x-ray tube voltage on the exposure of x-ray films (author's transl)] Angerstein W, et al. **Radiol Diagn (Berl)** 16(3):437–9, 1975 (Eng. Abstr.) **(Ger)**
[Recommendations for standardization of radiography of thoracic organs in childhood] Buttenberg H, et al. **Radiol Diagn (Berl)** 16(3):483–5, 1975 **(Ger)**
[Determination of radiation exposure in X-ray diagnosis (author's transl)] Gursky S. **Radiol Diagn (Berl)** 15(4):405–26, 1974 (100 ref.) (Eng. Abstr.) **(Ger)**
[Radiation dose and necessary radiation protection for films with portable X-ray generators (author's transl)] Voigt A, et al. **Radiol Diagn (Berl)** 15(4):531–4, 1974 **(Ger)**
[Comparative measurements of the plane-dose-product, the surface dose and organ exposure in radiodiagnostic routine-examinations (author's transl)] Fiebach O, et al. **Roentgenblaetter** 28(12):609–12, Dec 75 (Eng. Abstr.) **(Ger)**
[Medical evaluation of measurements of radiation exposure] Oster H. **Strahlenschutz Forsch Prax** 15:94–9, 1976 **(Ger)**
[Radiation burden resulting from implanted cardiac pacemakers with 238Pu-nuclide batteries] Piesch E. **Strahlenschutz Forsch Prax** 15:192–9, 1976 **(Ger)**
[Survey of the radiation burden of the Swiss population resulting from radiographic investigations] Poretti GG, et al. **Strahlenschutz Forsch Prax** 15:147–56, 1976 **(Ger)**
[Influence of a preliminary irradiation once or twice on radioresistance of mice* Brückner V, et al. **Strahlentherapie** 152(2):178–82, Aug 76 (Eng. Abstr.) **(Ger)**
[The irradiation of air-filled cavities in a plexiglass phantom using 42 MiV bremsstrahlung] Nüsslin F. **Strahlentherapie** 151(2):113–7, Feb 76 (Eng. Abstr.) **(Ger)**
[Isodose computations of linear and circular interstitial radiation sources] Roth J. **Strahlentherapie** 151(4):338–46, Apr 76 (Eng. Abstr.) **(Ger)**
[Determination of radioactive impurities in 99mTc-eluates and their contribution to total dosage] Sorantin H, et al. **Strahlentherapie [Sonderb]** 74:19–30, 1975 (Eng. Abstr.) **(Ger)**
[Is transvenous cardiac pacemaker implantation with X-ray control associated with a dangerous radiation exposure? (author's transl)] Achatzy R, et al. **Thoraxchirurgie** 23(5):511–3, Oct 75 (Eng. Abstr.) **(Ger)**
[Estimation of the internal radiation dosage on the general population exposed to patients under radioisotope treatment and computation of their maximum perimissible exposure level] Nishizawa K, et al. **Jpn J Nucl Med** 12(6):631–6, Dec 75 (Eng. Abstr.) **(Jpn)**
[Estimation of population doses from diagnostic medical examinations in Japan, 1974. 1. The number of radiographs, radiographic and fluoroscopic examinations (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 36(1):47–55, 1976 (Eng. Abstr.) **(Jpn)**
[Estimation of population doses from diagnostic medical examinations in Japan, 1974. 2. Estimation of genetically significant dose (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 36(3):208–15, Mar 76 (Eng. Abstr.) **(Jpn)**
[Estimation of population doses from diagnostic medical examinations in Japan, 1974. 3. Per caput mean marrow dose and leukemia significant dose (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 36(3):216–24, Mar 76 (Eng. Abstr.) **(Jpn)**
[Experimental and theoretical studies on the isodose curve shift method. Correction of the isodose curve for oblique incidence (author's transl)] Iwasaki A. **Nippon Acta Radiol** 35(8):674–84, 25 Aug 75 (Eng. Abstr.) **(Jpn)**
[A method for estimation of active bone marrow dose from x-ray radiography (author's transl)] Takaku Y. **Nippon Acta Radiol** 35(8):685–91, 25 Aug 75 (Eng. Abstr.) **(Jpn)**
[Search for the lowest irradiation dose from literatures on radiation-induced cancer in uterus (author's transl)] Yoshizawa Y, et al. **Nippon Acta Radiol** 35(10):900–7, 25 Oct 75 (Eng. Abstr.) **(Jpn)**
[Search for the lowest irradiation dose from literatures on radiation-induced breast cancer (author's transl)] Yoshizawa Y, et al. **Nippon Acta Radiol** 35(12):1125–30, 1975 (Eng. Abstr.) **(Jpn)**
[Occupational exposure to x-irradiation in Poland. Probability of exceeding the vital dosage] Jankowski J, et al. **Pol Przegl Radiol** 39(3):387–94, May-Jun 75 (Eng. Abstr.) **(Pol)**
[Determination of radiation dosage for radiosterilization of disposable medical equipment] Czerniawski E, et al. **Polim Med** 5(4):307–17, 1975 **(Pol)**
[An installation for life monitoring of radium-D content in the human body] Belle IuS, et al. **Gig Sanit** (5):71–3, May 75 **(Rus)**
[The problem of evaluating the tissue dose of quantum radiation] Golikov VIa, et al. **Gig Sanit** (6):76–9, Jun 75 **(Rus)**
[The levels of radiation of the inhabitants of Vyborg due to natural gamma-background of the territory and the buildings] Kataev VG. **Gig Sanit** (4):48–53, Apr 75 (Eng.

Abstr.) (Rus)
[A method of assessing the intensity of the radiation on the population of the RSFSR during medical x-ray examinations] Kudritskiĭ IuK, et al. **Gig Sanit** (12):52–6, Dec 75 (Eng. Abstr.) (Rus)
[The exclusion of the periodic component in analysis of results of determination of the concentration of radioactive aerosols] Pamikh D, et al. **Gig Sanit** (4):84–8, Apr 75 (Rus)
[Experimental investigations of the dosimetric features of the x-ray radiation used in x-ray diagnosis] Prostiakova MA. **Gig Sanit** (10):40–5, Oct 75 (Eng. Abstr.) (Rus)
[The level of irradiation of the personnel at an x-ray center of a modern hospital complex] Rabkin IKh, et al. **Gig Sanit** (6):108–10, Jun 75 (Rus)
[Autocorrelation analysis of radiopulsometric data during working activity] Solonin IaG. **Gig Sanit** (10):68–71, Oct 75 (Rus)
[Hygienic features of working conditions prevailing in x-ray cabinets] Usol'tsev VI, et al. **Gig Sanit** (10):38–40, Oct 75 (Eng. Abstr.) (Rus)
[Radiation loads of physicians–surgeons and paramedical personnel in catheterization of cardiac cavities and blood vessels with the use of electron–optic amplifiers and x-ray television units] Zol'nikova NI, et al. **Grudn Khir** (1):41–7, Jan–Feb 74 (Eng. Abstr.) (Rus)
[Method of calculating tissue thickness during the determination of depth doses in phantom–mannikins] Smirennyĭ LN, et al. **Kosm Biol Aviakosm Med** 9(4):75–8, Jul–Aug 75 (Rus)
[Calorimeter for measuring absorbed doses of roentgen irradiation in graphite] Kononova RF, et al. **Med Radiol (Mosk)** 20(10):64–5, Oct 75 (Rus)
[Dose loads in radiodiagnostic studies] Sukhomlina AN, et al. **Med Radiol (Mosk)** 21(3):73–6, Mar 76 (Rus)
[Dose loads in radiodiagnostic studies] Sukhomlina AN, et al. **Med Radiol (Mosk)** 21(3):73–6, Mar 76 (Rus)
[Radiation detectors and the problem of radiation loads in roentgenodiagnosis] Gurvich AM. **Med Tekh** (6):29–34, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Calculation of radiation exposure in experimental simulation of chronic occupational irradiation] Berikashvili VSh. **Radiobiologiia** 15(4):577–82, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Probability distribution of dose rates in bone tissue in relation to the rhythm of strontium–90 administration and the age of the animals] Rasin IM, et al. **Radiobiologiia** 15(5):691–4, Sep–Oct 75 (Eng. Abstr.) (Rus)
[New possibilities of reduction of irradiation doses in radiography with the aid of intensifying screens] Gurvich AM, et al. **Vestn Rentgenol Radiol** (5):64–9, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Radiation–hygienic basis of exposure conditions in medical radiography] Prostiakova MA, et al. **Vestn Rentgenol Radiol** (1):75–8, Jan–Feb 75 (Eng. Abstr.) (Rus)
[Mean absorbed doses in the tissues of critical organs of patients examined by roentgenological procedures] Telichko FF, et al. **Vestn Rentgenol Radiol** (5):70–4, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Distribution of beta doses in superficial irradiation] Cruz Paredes M, et al. **Acta Oncol (Madr)** 10(2):89–93, May 75 (Spa)

INSTRUMENTATION

Calibration of dosimeters. Pychlau P. **J Belge Radiol** 58(6):469–74, Nov–Dec 75
Depth–dose measurements of d–T neutrons for radiotherapy applications. Broerse JJ, et al. **Strahlentherapie** 149(6):585–96, Jun 75
The measurement of the surface dose and the calibration of soft x-ray dosimeters. Sundara Rao IS, et al. **Strahlentherapie** 149(6):578–84, Jun 75
[A polarization effect–free graphite double extrapolation chamber for the absolute dosimtery of high energy electrons] Markus B. **Strahlentherapie** 150(3):307–20, Sep 75 (Eng. Abstr.) (Ger)
Sr90 beta irradiator] Agelao G, et al. **Minerva Ecol Idroclimatol Fis Nucl** 15(2):68–74, Apr–Jun 75 (Eng. Abstr.) (Ita)

METHODS

Concepts of microdosimetry. I. Quantities. Kellerer AM, et al. **Radiat Environ Biophys** 12(1):61–9, 13 Jun 75
Variations of salivary amylase as a test of internal irradiation in man. Zamfirescu–Gheorghiu M, et al. **Rev Roum Med [Med Intern]** 13(2):115–8, 1975
[Dosimetry of large irregular fields] van de Geijn J. **J Belge Radiol** 58(6):455, Nov–Dec 75 (Dut)
[Comparative study of methods of potentiometric and spectrophotometric reading in Fricke's dosimetry] Calderaro E, et al. **Minerva Ecol Idroclimatol Fis Nucl** 15(2):62–7, Apr–Jun 75 (Eng. Abstr.) (Ita)

STANDARDS

Calorimetric standard device for measurement of absorbed dose for high energy photons and electrons. Hohlfeld K. **J Belge Radiol** 58(6):475–9, Nov–Dec 75

RADIATION EFFECTS

Effect of whole–body irradiation on the synethesis of ribonucleic acid associated with nuclear ribonucleoprotein particles of rat liver. Ferencz A, et al. **Acta Biochim Biophys Acad Sci Hung** 11(1):11–22, 1976
Increased synthesis of nuclear RNA in regenerating rat liver after gamma–irradiation. Fónagy A, et al. **Acta Biochim Biophys Acad Sci Hung** 10(3):147–52, 1975
Borohydride–reducible components in soluble collagen irradiated with gamma rays in solution. Jeleńska MM, et al. **Acta Biochim Pol** 22(4):319–25, 1975
Binding of a nitroxyl to radiation–induced DNA transients in repair and repair deficient of E. coli K–12. Wold E, et al. **Acta Chem Scand [B]** 29(7):781–6, 1975
The effects of X–ray, ultraviolet and infrared irradiation on the basement membrane zone antibody reaction of the human skin in vitro. Remy W, et al. **Acta Derm Venereol (Stockh)** 55(4):313–5, 1975
Conventional pituitary irradiation in acromegaly. Effect on growth hormone and TSH secretion. Lamberg BA, et al. **Acta Endocrinol (Kbh)** 82(2):267–81, Jun 76
A controlled clinical trial of the immunosuppressive effect of extracorporeal irradiation of the blood in renal allotransplantation. Birkeland SA. **Acta Med Scand** 199(3):157–66, 1976
Dexamethasone effect on blood–brain barrier damage caused by acute hypertension in x–irradiated rabbits. Blomstrand C, et al. **Acta Neurol Scand** 52(4):331–4, Oct 75
On radiation–decreased fibrinolytic activity of vessel walls. Svanberg L, et al. **Acta Obstet Gynecol Scand** 55(1):49–51, 1976
The mechanical properties of the lyophylized and irradiated bone grafts. Triantafyllou N, et al. **Acta Orthop Belg [Suppl]** 41(1):35–44, 1975
Cytoplasmic effects of x–irradiation on cultured cells in a nondividing stage. 1. Establishment of an experimental model. Hamberg H, et al. **Acta Pathol Microbiol Scand [A]** 84(2):201–14, Mar 76
The effect of cyclophosphamide, methotrexate and X–irradiation on the ultrastructure and endocytic capacity of murine peritoneal macrophages. Rhodes JM, et al. **Acta Pathol Microbiol Scand [A]** 83(5):443–53, Sep 75
In vivo and in vitro 3H–thymidine incorporation into bone marrow cells of mice irradiated with 200 R. Lipski S, et al. **Acta Physiol Pol** 26(5):499–505, Sep–Oct 75
Changes in the pharmacodynamics and pharmacokinetics of psycholeptic drugs in radiation–sickness. Effect of x–ray radiation on pharmacodynamic activity of nitrazepam in animals. Szczawińska K, et al. **Acta Physiol Pol** 26(5):523–7, Sep–Oct 75
Response of human lymphocytes to mitogenic stimuli after irradiation in vitro. Baral E, et al. **Acta Radiol [Ther] (Stockh)** 15(2):149–61, Apr 76
Radiation sensitivity of lymphocytes from human blood and from the thoracic duct. Edgren J, et al. **Acta Radiol [Ther] (Stockh)** 15(2):177–82, Apr 76
Effect of therapeutic radiation on peripheral blood lymphocytes in patients with carcinoma of the breast. Jenkins VK, et al. **Acta Radiol [Ther] (Stockh)** 14(4):385–95, Aug 75
Tissue heterogeneity in the anterior chest wall and its influence on radiation therapy of the internal mammary lymph nodes. Lindskoug B, et al. **Acta Radiol [Ther] (Stockh)** 15(2):97–116, Apr 76
Effects of 131I therapy on blood borne leucocytes in hyperthyroid patients. Lundell G. **Acta Radiol [Ther] (Stockh)** 14(4):396–400, Aug 75
Effect of lung irradiation on the incidence of pulmonary metastases and its mechanism. Tanaka Y. **Acta Radiol [Ther] (Stockh)** 15(2):142–8, Apr 76
Skin reactions after different fractionation schedules giving the same cumulative radiation effect. Turesson I, et al. **Acta Radiol [Ther] (Stockh)** 14(5):475–84, Oct 75
A trial with early biological detection of ionizing radiation based on estimates of changes in the number of hypersegmented neutrophils in peripheral blood. Zák M, et al. **Acta Univ Carol [Med] (Praha)** 21(1–2):187–98, 1975
Radiation elicited changes in bursa of Fabricius and thymus during the ontogeny of chickens. Giurgea R, et al. **Acta Vet Acad Sci Hung** 25(2–3):205–9, 1975
Simulated near–in fallout in goats and its effects. Jones BV. **Acta Vet Scand [Suppl]** (58):1–106, 1975
Enhancing effect of radioresistant spleen cells on the primary immune response against sheep RBC by mouse spleen cells in vitro. Lubbe FH, et al. **Adv Exp Med Biol** 66:295–9, 1976
Bursa of Fabricus: uptake of radioactive particles and radiotoxic 'sealing' of bursal follicles Schaffner T, et al. **Adv Exp Med Biol** 66:33–9, 1976
Retinal changes induced by heavy particles: a new therapy modality? Hunter DM, et al. **Aeromed Rev** (6):3–13, Nov 75
Immunosuppressive effect of intra–lymphatic irradiation. Galvão MM, et al. **Allergol Immunopathol (Madr)** 3(5):299–308, Sep–Oct 75 (Eng. Abstr.)
Yttrium–90 citrate colloid for radioisotope synovectomy. Bowen BM, et al. **Am J Hosp Pharm** 32(10):1027–30, Oct 75
Influence of ionizing radiation on fetoplacental growth in mice. Philippe JV. **Am J Obstet Gynecol** 123(6):640–5, 15 Nov 75
Fertility and irradiation: a preconceptional investigation in teratology. Philippe JV. **Am J Obstet Gynecol** 123(7):714–8, 1 Dec 75
Radiation exposure of ovaries during hysterosalpingography. Sheikh HH, et al. **Am J Obstet Gynecol** 124(3):307–10, 1 Feb 76
Morphologic and morphometric analysis of the early effects of x–ray and heavy–ion irradiation of hamster lung. Woodruff KH, et al. **Am J Pathol** 82(2):287–98, Feb 76
Initial comparative response to peak pions and x–rays of normal skin and underlying tissue surrounding superficial metastatic nodules. Kligerman MM, et al. **Am J Roentgenol** 126(2):261–7, Feb 76
Effect of therapeutic irradiation on the immune responses. Slater JM, et al. **Am J Roentgenol** 126(2):313–20, Feb 76
Serial studies of immunocompetence in head and neck cancer patients undergoing radiation therapy. Stefano S, et al. **Am J Roentgenol** 126(4):880–6, Apr 76
Thyroid irradiation and carcinogenesis. Review with assessment of clinical implications. Foster RS Jr. **Am J Surg** 130(5):608–11, Nov 75 (36 ref.)
Intramuscular immunization of mice with irradiated Plasmodium berghei sporozoites. Enhancement of protection with albumin. Kramer LD, et al. **Am J Trop Med Hyg** 24(6 Pt 1):913–6, Nov 75
X–ray effect on electroplax acetylcholinesterase: protection by cysteamine. Hassón–Voloch A, et al. **An Acad Bras Cienc** 45(3–4):621–8, 1973
Influence of adrenalectomy, total body x–irradiation and dexamethasone on the amount of CRF–granules and 'classical' neurosecretory material in the rat neurohypophysis. Schwabedal P, et al. **Anat Embryol (Berl)** 148(3):267–78, 31 Dec 75
Changes in tumour cell selenite (75Se) affinity due to irradiation. Nordman E, et al. **Ann Clin Res** 8(1):43–7, Feb 76
Adriamycin and enhanced radiation reaction in normal esophagus and skin. Greco FA, et al. **Ann Intern Med** 85(3):294–8, Sep 76
Ultrastructural changes in the rabbit intestine after local irradiation with gamma–2 rays. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):31–2, 1976
Preliminary investigation on the influence of radioprotectors on the enterocytes in irradiated rabbits. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):29–30, 1976
Crystalline and tubular inclusions in Paneth cell granules after whole body x–ray irradiation. Lamprecht J, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):69–70, 1976
Pathological changes of golgi complex in hemocytoblasts of spleen of young axolotls after X–irradiation. Turska R. **Ann Med Sect Pol Acad Sci** 20(2):127–8, 1975
Cell–mediated immunity: its modulation by x–rays. Effect of x–irradiation on T–lymphocyte numbers and function. Bartfeld H. **Ann NY Acad Sci** 256:342–51, 13 Jun 75
Effect of intra–articular inj–ction of radioactive colloids of erbium and yttrium on the growth of rabbit legs. Rebut–Bonneton C, et al. **Ann Rheum Dis** 34(6):529–33, Dec 75
Effect of irradiation (gamma–rays) on oocysts of Eimeria tenella. Bajwa RS, et al. **Ann Soc Belg Med Trop** 55(1):31–6, 1975
The effects of preoperative irradiation on primary tracheal anastomosis. Tsubota N, et al. **Ann Thorac Surg** 20(2):152–60, Aug 75
Production of ochratoxin A by Aspergillus ochraceus NRRL–3174 before and after exposures to 60Co irradiation. Applegate KL, et al. **Appl Environ Microbiol** 31(3):349–53, Mar 76
Stability of Bacillus pumilus spore strips used for monitoring radiation sterilization. Prince HN. **Appl Environ Microbiol** 31(6):999–1000, Jun 76
Efficacy of the inactivation of bacterial spores in white petrolatum and a hydrophilic ointment by gamma irradiation. Oie SH, et al. **Appl Microbiol** 30(4):514–8, Oct 75
Characterization of radiation–resistant vegetative bacteria in beef. Welch AB, et al. **Appl Microbiol** 30(2):242–50, Aug 75
(+)–catechin effects on x–rays irradiated skin of rats. Cipriani C, et al. **Arch Dermatol Res** 253(3):311–8, 29 Oct 75
The influence of protease inhibitor on hydroproteolytic activity and serotonin content in the intestine of rats after fractionated irradiation. Kodmierska–Grodzka D, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):259–65, 1976
Canine small bowel transplantation. A study of the immunological responses. Cohen Z, et al. **Arch Surg** 111(3):248–53, Mar 76
A restraining device for irradiating rats. Faulkner KD. **Aust Dent J** 20(1):19–21, Feb 75
Radiosensitivity of suppressor cells in newborn rats. McCullagh P. **Aust J Exp Biol Med Sci** 53(5):399–411, Oct 76
Cytogenetic techniques in radiobiological procedures II. Chee CA, et al. **Australas Radiol** 19(4):387–92, Dec 75
Effects of testicular radiation. Clubb B, et al. **Australas Radiol** 20(1):64–8, Mar 76
Final report of the Advisory Committee for Radiation Biology Aspects of the SST: cosmic radiation exposure in supersonic and subsonic flight. **Aviat Space Environ Med** 46(9):1170–85, Sep 75
Studies on DNA repair in mammalian cells: an endonuclease which recognizes lesions in DNA. Bacchetti S. **Basic Life Sci** 5B:651–4, 1975
Excision–repair in primary cultures of mouse embryo cells and its decline in progressive passages and established cell lines. Ben–Ishai R, et al. **Basic Life Sci** 5B:607–10, 1975
Repair of double–strand breaks in Micrococcus radiodurans. Burrell AD, et al. **Basic Life Sci** 5B:507–12, 1975
Animal viruses, radiation, repair mechanisms, and cancer. Cameron KR. **Basic Life Sci** 5B:755–61, 1975 (33 ref.)

CHO cell repair of single-strand and double-strand DNA breaks induced by gamma- and alpha-radiations. Cole A, et al. **Basic Life Sci** 5B:665–76, 1975

Kinetics of the single-strand repair mechanism in mammalian cells. Dugle DL, et al. **Basic Life Sci** 5B:685–7, 1975

Damage-repair studies of the DNA from X-irradiated Chinese hamster cells. Elkind MM. **Basic Life Sci** 5B:689–98, 1975

Excision-repair of gamma-ray-damaged thymine in bacterial and and mammalian systems. Hariharan PV, et al. **Basic Life Sci** 5A:51–9, 1975 (38 ref.)

DNA repair and the genetic control of radiosensitivity in yeast. Haynes RH. **Basic Life Sci** 5B:529–40, 1975 (80 ref.)

Current knowledge of the formation and repair of DNA double-strand breaks. Hutchinson F. **Basic Life Sci** 5B:699–702, 1975

The radiobiology of DNA strand breakage. Johansen I. **Basic Life Sci** 5B:459–69, 1975

The repair of DNA double-strand breaks in mammalian cells and the organization of the DNA in their chromosomes. Lange CS. **Basic Life Sci** 5B:677–83, 1975

Radiosensitization of a human cell line lacking repair replication. Lee YC, et al. **Basic Life Sci** 5B:807–11, 1975

Formation and rejoining of DNA strand breaks in X (gamma)-irradiated cells in relation to the structure of mammalian chromatin. Lett JT. **Basic Life Sci** 5B:655–64, 1975

Repair of DNA strand breaks in progeric fibroblasts and aging human diploid cells. Little JB, et al. **Basic Life Sci** 5B:793–800, 1975

The repair of double-strand breaks in chromosomal DNA of yeast. Resnick MA. **Basic Life Sci** 5B:549–56, 1975

Genetic control of radiation sensitivity and DNA repair in Neurospora. Schroeder A. **Basic Life Sci** 5B:567–76, 1975 (42 ref.)

An Escherichia coli endonuclease which acts on x-irradiated DNA. Strniste GF, et al. **Basic Life Sci** 5A:201–4, 1975

Radiation-induced strand breakage in DNA. Ward JF. **Basic Life Sci** 5B:471–2, 1975

Near-UV photoproduct(s) of L-typtophan: an inhibitor of medium-dependent repair of X-ray-induced single-strand breaks in DNA which also inhibits replication-gap closure in Escherichia coli DNA. Yoakum G, et al. **Basic Life Sci** 5B:453–8, 1975

Recovery of the priming activity of DNA in x-irradiated Escherichia coli. Zhestyanikov VD, et al. **Basic Life Sci** 5B:497–500, 1975

Increased running wheel activity and dyadic behavior of rats with hippocampal granule cell deficits. Peters PJ, et al. **Behav Biol** 16(1):91–7, Jan 76

Cellular repopulation and recovery of the phytogemagglutinine (PHA) responding cell pool in the thymus of sublethally irradiated mice. Hiesche KD, et al. **Beitr Pathol** 156(1):46–55, Sep 75

In vitro transformation: interaction of chemicals, viruses, and irradiation. Casto BC, et al. **Bibl Haematol** (40):197–9, 1975

Possible obstetric factors effecting leukemia in twins. Keith L, et al. **Bibl Haematol** (43):221–3, Oct 75

Methodology in the radiolysis of biochemical compounds with cyclotron beams at low flux densities. Jayko ME, et al. **Biochem Biophys Res Commun** 68(1):307–12, 12 Jan 76

Radioprotection of bone marrow stem cells by superoxide dismutase. Petkau A, et al. **Biochem Biophys Res Commun** 67(3):1167–74, 1 Dec 75

Protective effect of superoxide dismustase on erythrocytes of x-irradiated mice. Petkau A, et al. **Biochem Biophys Res Commun** 70(2):452–8, 17 May 76

Recovery from radiation-induced decrease in cell membrane charge by added adenosine triphosphate and its modification by colchicine or cytochalasin B. Sato C, et al. **Biochem Biophys Res Commun** 67(1):22–7, 3 Nov 75

The effect of temperature shock on the yield of gamma-induced single strand breaks in bacterial DNA. Serna FR, et al. **Biochem Biophys Res Commun** 67(4):1415–21, 15 Dec 75

Electrophoretic mobility of irradiated erythrocytes and Ehrlich ascites tumour cells. Walesby RK, et al. **Biochem Biophys Res Commun** 69(1):26–34, 8 Mar 76

Preliminary study of caffeine and chloroquine enhancement of x-ray induced birth defects. Yielding LW, et al. **Biochem Biophys Res Commun** 68(4):1356–61, 23 Feb 76

DNA synthesis and repair in permeable cells of Micrococcus radiodurans. Kitayama S, et al. **Biochim Biophys Acta** 418(3):321–9, 5 Feb 76

Effects of irradiation on RNA synthesis primed by calf thymus deoxyribonucleoprotein treated with salt and salt-urea. Kobayashi T, et al. **Biochim Biophys Acta** 425(4):396–400, 2 Apr 76

Electron transfer between protein and DNA in gamma-irradiated deoxyribonucleoprotein. Kuwabara M, et al. **Biochim Biophys Acta** 432(3):292–9, 19 May 76

Involvement of sulfhydryl groups in the action of the insulin and radiation on thymocyte Na+-dependent amino acid transport. Kwock L, et al. **Biochim Biophys Acta** 419(1):93–103, 8 Jan 76

Laser-flash-activated electron paramagnetic resonance studies of primary photochemical reactions in chloroplasts. Malkin R, et al. **Biochim Biophys Acta** 396(2):250–9, 11 Aug 75

In vitro repair of radiation-induced strand breaks in DNA. Mitzel-Landbeck L, et al. **Biochim Biophys Acta** 432(2):145–53, 3 May 76

Formation of nascent DNA molecules during inhibition of replicon initiation in mammalian cells. Painter RB, et al. **Biochim Biophys Acta** 418(2):146–53, 19 Jan 76

The effect of 313 nanometer light on initiation of replicons in mammalian cell DNA containing bromodeoxyuridine. Povirk LF, et al. **Biochim Biophys Acta** 432(3):267–72, 19 May 76

RNA synthesis in Yoshida ascites tumor cells after ultraviolet and gamma irradiation. Ramakrishnan N, et al. **Biochim Biophys Acta** 435(2):119–27, 18 Jun 76

Study of biochemical redox processes by the technique of pulse radiolysis. Shafferman A, et al. **Biochim Biophys Acta** 416(3–4):287–317, 30 Dec 75

The effect of a mammalian repair endonuclease on x-irradiated DNA. Tomura T, et al. **Biochim Biophys Acta** 402(3):343–50, 1 Sep 75

Radiolysis of cytochrome c. Effect of radiolytically generated eaq- on ferrocytochrome c. Van Buuren KJ, et al. **Biochim Biophys Acta** 423(3):586–9, 12 Mar 76

Inactivation of biologically active DNA by gamma-ray-induced superoxide radicals and their dismutation products singlet molecular oxygen a. l hydrogen peroxide. Van Hemmen JJ, et al. **Biochim Biophys Acta** 402(2):133–41, 21 Aug 75

Repair of x-ray-induced single strand breaks in toluenized Escherichia coli cells. Waldstein EA, et al. **Biochim Biophys Acta** 442(2):154–61, 18 Aug 76

X-ray photoelectron spectroscopy of copper(II), copper(I), and mixed valence systems. Rupp H, et al. **Bioinorg Chem** 6(1):45–59, 1976

Can x-rays be used to increase litter size in the mouse? Rugh R. **Biol Bull** 150(1):107–17, Feb 76

Dose-response effects of gamma-radiation on several growth functions of Campanularia flexuosa. Wermuth JF, et al. **Biol Bull** 148(2):344–56, Apr 75

Response of the Sertoli cell and stem germ cell to 60Co gamma-radiation (dose and dose rate) in testes of immature rats. Erickson BH, et al. **Biol Reprod** 14(5):641–50, Jun 76

Failure of prostaglandin F2 alpha to cause luteal regression in ewes after destruction of ovarian follicles by x-irradiation. Hixon JE, et al. **Biol Reprod** 13(2):126–35, Sep 75

Total abdominal irradiation and parenteral nutrition: an experimental study in the dog. Dubois JB, et al. **Biomedicine [Express]** 25(4):123–5, Jun 76

The response of mouse haemopoietic colony forming units to repeated whole body x-irradiation. Testa NG, et al. **Biomedicine [Express]** 21(11):431–4, 20 Nov 74

Radiation damage in tripalmitin layers studied by means of infrared spectroscopy and electron microscopy. Baumeister W, et al. **Biophys J** 16(7):791–80, Jul 76

Induction of radioresistance in Escherichia coli. Pollard EC, et al. **Biophys J** 15(11):1141–54, Nov 75

Relationship of colony-stimulating activity to apparent kill of human colony-forming cells by irradiation and hydroxyurea. Broxmeyer HE, et al. **Blood** 47(3):403–11, Mar 76

Proceedings: Arterial wall damage by x-rays and fast neutrons. Aarnoudse MW, et al. **Br J Cancer** 32(6):762–3, Dec 75

Proceedings: Effects of interactions of cell cycle-specific cytotoxic drugs and X-radiation on survival of cell reproductive capacity. Berry RJ. **Br J Cancer** 32(6):752, Dec 75

Pre-natal irradiation and childhood malignancy: a review of British data from the Oxford Survey. Bithell JF, et al. **Br J Cancer** 31(3):271–87, Mar 75

Proceedings: Early and late effects of 55Fe cytocide. Burlington H, et al. **Br J Cancer** 32(6):762, Dec 75

Proceedings: Combined effects of bleomycin and x-rays on DNA synthesis in ascites tumour cells. Chapman IV, et al. **Br J Cancer** 32(6):756, Dec 75

Decreased incidence of reticulum cell sarcoma in whole body irradiated and bone marrow shielded mice. Covelli V, et al. **Br J Cancer** 31(3):369–71, Mar 75

Proceedings: Post-radiation modification of drug action due to changes in distribution. Danysz A. **Br J Cancer** 32(6):767–8, Dec 75

Proceedings: Measurement of blood flow in the mouse tail after irradiation. de Rutter J, et al. **Br J Cancer** 32(6):763, Dec 75

Proceedings: Interaction of bleomycin with unirradiated and irradiated DNA. Dirs J, et al. **Br J Cancer** 32(6):756–7, Dec 75

Proceedings: Studies of tRNAVal isolated from chich embryo liver irradiated in ovo. Gyenge L, et al. **Br J Cancer** 32(6):766–7, Dec 75

Proceedings: Ivestigations on serum protein changes in mice after whole-body x-irradiation combined with open skin wounds. Henneberg R, et al. **Br J Cancer** 32(6):765, Dec 75

Proceedings: Effects of combined x-irradiation and hydroxyurea treatment on mouse haemopoietic stem cells. Hodgson G, et al. **Br J Cancer** 32(6):758, Dec 75

Proceedings: Effect of 60Co-gamma-irradiation on the mixed disulphides of radioprotector MEG in splitting with enzymes of rat liver cytoplasm. Horváth M, et al. **Br J Cancer** 32(6):755, Dec 75

Proceedings: Differences in sensitivity and interaction of damage induced by hyperthermia, UV radiation and gamma-rays on cultured cells of malignant and non-malignant origin. Joshi DS, et al. **Br J Cancer** 32(6):768, Dec 75

Proceedings: Identification of hypoxic mouse bone marrow CFU in vivo. Keizer HJ, et al. **Br J Cancer** 32(6):765–6, Dec 75

Proceedings: Comparison of the results of detailed analysis of chromosomal aberrations in human lymphocytes after exposure to radiation and chemicals in vitro. Kučerová M. **Br J Cancer** 32(6):756, Dec 75

Proceedings: Modification of the response of mouse skin to x-irradiation by bleomycin treatment. Leith JT, et al. **Br J Cancer** 32(6):757, Dec 75

Proceedings: Effects of daunomycin, bleomycin, cytosine arabinoside, acronycine and ionizing radiation on the cell cycle in vitro and in vivo. Linden WA, et al. **Br J Cancer** 32(6):752, Dec 75

Proceedings: Influence of cysteamine or cystamine on radiation late effects in C57BL/6 mice. Mewissen DJ, et al. **Br J Cancer** 32(6):755, Dec 75

Proceedings: Effects of diamide on radiation induced embryonic damage. Michel C, et al. **Br J Cancer** 32(6):758–9, Dec 75

Proceedings: Radiolysis of a pig gastric glycopeptide. Pallavicini G, et al. **Br J Cancer** 32(6):761–2, Dec 75

Enhancement of syngeneic murine tumour transplantability by whole body irradiation—a non-immunological phenomenon. Peters LJ. **Br J Cancer** 31(3):293–300, Mar 75

Proceedings: Comparison of haemopoiesis and bone marrow stem cell changes in continuously irradiated mice. Prasli̇čka M, et al. **Br J Cancer** 32(6):767, Dec 75

Proceedings: Decrease in the accuracy of DNA polymerase following treatment with gamma-rays and methylnitrosourea. Safhill R. **Br J Cancer** 32(2):250, Aug 75

Proceedings: Comparative effects of cytotoxic agents on lymphomyeloid tissues in mice. Sharp JG, et al. **Br J Cancer** 32(6):765, Dec 75

Proceedings: Interaction of ionizing radiation with a platinum complex in Chinese hamster cells. Szumiel I, et al. **Br J Cancer** 32(6):758, Dec 75

The effect of combined treatment with a platinum complex and ionizing radiation on chinese hamster ovary cells in vitro. Szumiel I, et al. **Br J Cancer** 33(4):450–8, Apr 76

Proceedings: Radiation chemistry of glutathione and its possible role in affecting radio-sensitivity of biological systems. Tamba M, et al. **Br J Cancer** 32(6):766, Dec 75

Reproductive and endocrine function in patients with Hodgkin's disease: effects of oophoropexy and irradiation. Thomas PR, et al. **Br J Cancer** 33(2):226–31, Feb 76

Changes in sensitivity to radiation and to blemycin occurring during the life history of monolayer cultures of a mouse tumour cell line. Twentyman PR, et al. **Br J Cancer** 31(1):68074, Jan 75

Proceedings: Histological changes of the organs of rats after chronic gamma irradiation. Unger E. **Br J Cancer** 32(6):768, Dec 75

Proceedings: Time-dose relationships for spinal cord damage. Van der Kogel AJ. **Br J Cancer** 32(6):763, Dec 75

Proceedings: Interaction of actinomycin D, radiation and yeast cell survival. van Duyse E, et al. **Br J Cancer** 32(6):756, Dec 75

Proceedings: Radioprotective effect of WR 2721 in combined injured mice (x-irradiation and skin lesion). Verspohl F, et al. **Br J Cancer** 32(6):754–5, Dec 75

Proceedings: Combined effect of 5-FU and 60Co on intestine, bone marrow and on transplanted tumour in mice. A possible differential effect between these tissues related to drug and gamma-ray fractionation schemes. Wambersie A, et al. **Br J Cancer** 32(6):753–4, Dec 75

The effect of methods of sterilization on the nutritive value of protein in a commercial rat diet. Ford DJ. **Br J Nutr** 35(2):267–76, Mar 76

The effects of low-dose gamma-irradiation on the wholesomeness of mangoes (Mangifera indica) as determined by short-term feeding studies using rats. Horton GM. **Br J Nutr** 35(1):67–75, Jan 76

Radiation-induced immune changes in patients with cancer of the cervix. Yamagata S, et al. **Br J Obstet Gynaecol** 83(5):400–8, May 76

Proceedings: Ataxia telangiectasia, radiosensitivity at the cellular and molecular level. Arlett CF, et al. **Br J Radiol** 49(582):560–1, Jun 76

Change in oxygen enhancement ratio with depth in tissue-equivalent material for a collimated beam of fast neutrons. Berry RJ, et al. **Br J Radiol** 49(581):458–62, May 76

A comparison for use in radiotherapy of neutron beams generated with 16 and 42 MeV deuterons on beryllium. Bewley DK, et al. **Br J Radiol** 49(580):360–6, Apr 76

Proceedings: Studies of RNA synthesis in irradiated resistant and sensitive strains of the slime-mould Dictyostelium discoideum. Bryant PE. **Br J Radiol** 48(576):1046, Dec 75

Damage and recovery assessment of the mouse jejunum to abdominal X-ray and adriamycin treatment. Burholt DR, et al. **Br J Radiol** 48(575):908–12, Nov 75

Some in vivo effects of pi mesons in mice. Coggle JE, et al. **Br J Radiol** 49(578):161–5, Feb 76

Proceedings: The effect of dose-rate on lifeshortening in Drosophila melanogaster. Davies RW, et al. **Br J Radiol** 48(576):1046, Dec 75

Clinical radiobiology of low dose-rate radiotherapy. Dutreix J, et al. **Br J Radiol** 48(574):846–50, Oct 75

Target-type models for survival curves. Gilbert CW. **Br J Radiol** 48(576):1045–6, Dec 75

Intestinal cell proliferation during fractionated abdominal irradiation. Hagemann RF. **Br J Radiol** 49(577):56–61, Jan 76

Letter: Re-evaluation of published neutron rbe values for

mouse intestine. Hendry JH, et al. **Br J Radiol** 49(578):195–6, Feb 76

Proceedings: Over-repair in a desmid Closterium moniliferum. Howard A, et al. **Br J Radiol** 48(576):1046, Dec 75

Letter: Comparative effectivness of radiotherapy treatment schemes. Huggett JP. **Br J Radiol** 49(578):198–9, Feb 76

Proceedings: The relationship between iso-effect dose and overall irradiation time in an organized tissue. Liversage WE, et al. **Br J Radiol** 48(576):1045, Dec 75

Letter: Early effects of x-irradiation on central nerve fibres. Mastaglia FL, et al. **Br J Radiol** 48(576):1042–3, Dec 75

Proceedings: Fast repair of oxygen-dependent lethal damage in irradiated bacteria. Maughan RL, et al. **Br J Radiol** 48(576):1045, Dec 75

Recovery in mammalian cells irradiated with a beam of pi—mesons. Mill AJ, et al. **Br J Radiol** 49(580):357–9, Apr 76

Response of HeLa cells to irradiation with pi- mesons. Mill AJ, et al. **Br J Radiol** 49(578):166–71, Feb 76

Letter: Human lymphocyte transformation by phytohaemagglutinin after 'in vitro' and 'in vivo' irradiation. Moore JL, et al. **Br J Radiol** 49(582):566–7, Jun 76

Proceedings: Some measurements with skin and lymphocytes. Nias AH. **Br J Radiol** 49(582):560, Jun 76

Proceedings: The effect of irradiation on normal human rectum. Perrins DJ. **Br J Radiol** 49(582):559, Jun 76

Proceedings: Studies on the radiosensitivity of human bone marrow and human tumour xenografts using an agar diffusion chamber technique for assaying clonogenic cells. Smith IE, et al. **Br J Radiol** 49(582):5558–9, Jun 76

Letter: The lymphocyte response to phytohaemagglutinin after in vitro irradiation. Song CW, et al. **Br J Radiol** 48(570):504, Jun 75

Proceedings: The radiosensitivity at the chromosomal level of lymphocytes from patients with ataxia telangiectasia. Taylor AM, et al. **Br J Radiol** 49(582):561, Jun 76

Radiation-induced chromosomal aberrations in human lymphocytes after partial-body exposure to 60Co gamma-irradiation and in vitro exposure to 230 kV X-irradiation. Watson GE, et al. **Br J Radiol** 48(570):487–93, Jun 75

Letter: The lymphocyte response to phytohaemagglutinin after 'in vitro' irradiation. Yosef HMA, et al. **Br J Radiol** 49(579):295, Mar 76

Proceedings: The effects of radiation on the skin blood pulse. Zanelli GD. **Br J Radiol** 49(582):559–60, Jun 76

Editorial: Dangers in radiology? **Br Med J** 3(5980):396, 16 Aug 75

Analysis of treatment in childhood leukaemia. I. Predisposition to methotrexate-induced neutropenia after craniospinal irradiation. Report to the Medical Research Council of the Working Party on Leukaemia in Childhood. **Br Med J** 3(5983):563–6, 6 Sep 75

Monoamine metabolism in the developing rat brain and effects of ionizing radiation. Hudson DB, et al. **Brain Res** 114(3):471–9, 24 Sep 76

Regional cerebral blood flow in delayed brain swelling following x-irradiation of the right occipital lobe in the monkey. Tanaka A, et al. **Brain Res** 96(2):233–46, 17 Oct 75

The inactivation of oxytocin by 254 nm radiation. Erndt A, et al. **Bull Acad Pol Sci [Biol]** 23(6):405–12, 1975

Comparative effects of local and intraperitineal administration of act on the lens of X-irradiated guinea pigs. Ismail S, et al. **Bull Ophthalmol Soc Egypt** 68:281–6, 1975

Radiation-induced xerostomia in cancer patients. Effect on salivary and serum electrolytes. Dreizen S, et al. **Cancer** 38(1):273–8, Jul 76

Non-Hodgkin's lymphomas of stage III extent. Is total lymphoid irradiation appropriate treatment? Glatstein E, et al. **Cancer** 37(6):2806–12, Jun 76

Abdominal irradiation in non-Hodgkin's lymphomas. Goffinet DR, et al. **Cancer** 37(6):2797–805, Jun 76

Effect of hyperthermia on the radiosensitivity of normal and malignant cells in mice. Hofer KG, et al. **Cancer** 38(1):279–87, Jul 76

Interaction between radiation and drug damage in mammalian cells. II. The effect of actinomycin-D on the repair of the sublethal radiation damage in plateau phase cells. Piro AJ, et al. **Cancer** 37(6):2697–702, Jun 76

The effects of therapeutic radiation on colonic mucosa. Weisbrot IM, et al. **Cancer** 36(3):931–40, Sep 75

Use of the dog spleen for studying effects of irradiation and chemotherapeutic agents, with suggested uses of other organs. Wilcox LD, et al. **Cancer** 38(1):62–72, Jul 76

Scanning electron microscopy of surface features of hamster embryo cells transformed in vitro by X-irradiation. Borek C, et al. **Cancer Res** 36(4):1325–34, Apr 76

Molecular interactions of the combined effects of bleomycin and x-rays on mammalian cell survival. Byfield JE, et al. **Cancer Res** 36(3):1138–43, Mar 76

Resistance of human melanoma cells to ultraviolet radiation. Chalmers AH, et al. **Cancer Res** 36(6):1930–4, Jun 76

Effects of Tumor-like assay conditions, lonizing radiation, and hyperthermia on immune lysis of tumor cells by cytotoxic T-lymphocytes. Harris JW. **Cancer Res** 36(8):2733–9, Aug 76

Interval effect of beta-irradiation and subsequent 4-nitroquinoline 1-oxide painting on skin tumor induction in mice. Hoshino H, et al. **Cancer Res** 35(12):3663–6, Dec 75

Kinetic responses of murine sarcoma cells to radiation and hyperthermia in vivo and in vitro. Kal HB, et al. **Cancer Res** 36(6):1923–9, Jun 76

Enhancement of infectivity and oncogenicity of a murine leukemia virus in adult mice by X-irradiation. Levy RL, et al. **Cancer Res** 36(6):2090–5, Jun 76

Carcinoembryonic antigen and humoral antibody response in patients with thyroid carcinoma. Rochman H, et al. **Cancer Res** 35(10):2689–92, Oct 75

Accelerated regeneration of trypsin-treated surface antigens of simian virus 40-transformed ^ \LB/3T3 cells induced by X-irradiation. Takeichi N, et al. **Cancer Res** 36(4):1258–62, Apr 76

X-radiation-induced transformation in a C3H mouse embryo-derived cell line. Terzaghi M, et al. **Cancer Res** 36(4):1367–74, Apr 76

B lymphocyte differentiation in lethally irradiated and reconstituted mice. I. The effect of Strontium-89 induced bone marrow aplasia on the recovery of the B cell compartment in the spleen. Rozing J, et al. **Cell Immunol** 24(1):79–89, 1 Jun 76

Serum levels of colony stimulating factor(s) and the growth of bone marrow cells in diffusion chambers. Beran M. **Cell Tissue Kinet** 8(6):561–8, Nov 75

Changes in the proliferation rate of mouse epidermis after irradiat-on continuous labelling studies. Denekamp J, et al. **Cell Tissue Kinet** 9(1):19–29, Jan 76

The effect of continuous irradiation on cell proliferation and maturation in small intestinal epithelium. Rijke RP, et al. **Cell Tissue Kinet** 8(5):441–53, Sep 75

The influence of 400 r x-irradiation on the number and the localization of mature and immature goblet cells and Paneth cells in intestinal crypt and villus. van Dongen JM, et al. **Cell Tissue Kinet** 9(1):65–75, Jan 76

Splenic irradiation in the management of chronic granulocytic leukaemia. Jacobs P, et al. **Cent Afr J Med** 21(10):207–10, Oct 75

On the antibiotical activity of gamma-irradiation products of chloramphenicol. Goto R, et al. **Chem Pharm Bull (Tokyo)** 22(10):2352–8, Oct 74

Effect of x-irradiation on various functions of murine macrophages. Geiger B, et al. **Clin Exp Immunol** 16(4):643–55, Apr 74

Effect of X-irradiation on various functions of murine macrophages. Geiger B, et al. **Clin Exp Immunol** 16(4):643–55, Apr 74

In vitro preferential effect of irradiation on cultured T lymphoid cell line. Han T, et al. **Clin Exp Immunol** 17(3):455–62, Jul 74

In vitro preferential effect of irradiation on cultured T lymphoid cell line. Han T, et al. **Clin Exp Immunol** 17(3):455–62, Jul 74

Homogeneous immunoglobulins in sera of rhesus monkeys after lethal irradiation and bone marrow transplantation. Rádl J, et al. **Clin Exp Immunol** 16(2):259–66, Feb 74

Effect of radiotherapy on lymphocyte cytotoxicity in vitro. Wasserman J, et al. **Clin Exp Immunol** 22(2):230–9, Nov 75

The effect of cyclophosphamide and irradiation on cells which suppress contact sensitivity in the mouse. Zembala M, et al. **Clin Exp Immunol** 23(3):554–61, Mar 76

Delayed disease as a consequence of fetal exposure to radiation, infection, and exogenous hormones. Herbst AL. **Clin Perinatol** 1(2):483–90, Sep 74 (33 ref.)

The effects of varied numbers of dose fractions on the tolerance of normal human skin. Brennan D, et al. **Clin Radiol** 27(1):27–32, Jan 76

Skin reaction. A quantitative system for measurement of radiosensitisation in man. Dische S, et al. **Clin Radiol** 27(2):145–9, Apr 76

Clinical testing of the radiosensitiser Ro-07-0582. II. Radiosensitisation of normal and hypoxic skin. Dische S, et al. **Clin Radiol** 27(2):159–66, Apr 76

The radiation biology of the thyroid. Malone JF. **Curr Top Radiat Res** 10(4):263–368, Oct 75 (380 ref.)

Effect of gamma irradiation on biological activity of thyrotropin. Strbák V, et al. **Endocrinol Exp (Bratisl)** 10(1):3–11, Mar 76

Effects of x-ray irradiation on the subsequent gonadotropin secretion in normal and neonatally estrogenized female rats. Matsumoto A, et al. **Endocrinol Jpn** 22(3):233–41, Jun 75

Effect of X-irradiation on vitamin B12 binding capacity to intrinsic factor. D'Souza DW, et al. **Environ Physiol Biochem** 5(4):217–25, 1975

Influence of malathion on phosphatase and succinic dehydrogenase in preirradiated rats. Gupta PK, et al. **Environ Physiol Biochem** 5(6):370–2, 1975

Distribution of lactic dehydrogenase in X-irradiated tissues. Thyagarajan P, et al. **Environ Physiol Biochem** 5(5):283–92, 1975

Dynamic asymmetries in liver tyrosine aminotransferase induction. Stefan M, et al. **Enzyme** 21(5):459–63, 1976

Resting stages of the JB-1 ascites tumour in the irradiated mouse. Bichel P, et al. **Eur J Cancer** 11(6):425–31, Jun 75

Metastatic growth of human tumour xenografts in thymectomised irradiated micr reconstituted with syngeneic bone marrow cells. Franks CR, et al. **Eur J Cancer** 11(9):619–22, Sep 75

Further studies on the radioresistance of highly purified mouse and mammary tumor virus. Gorka C, et al. **Eur J Cancer** 11(6):397–402, Jun 75

Effect of irradiation on immune cell-mediated cytolysis of tumour cells. Kim T, et al. **Eur J Cancer** 11(8):589–91, Aug 75

Radiation-induced synchronization of the Walker carcinoma in vivo. Linden WA, et al. **Eur J Cancer** 11(6):419–23, Jun 75

Response of mouse skin and the C3HBA mammary carcinoma of the C3H mouse to x-rays and cyclotron neutrons: effect of mixed neutron-photon fractionation schemes. Nelson JS, et al. **Eur J Cancer** 11(12):891–901, Dec 75

In vitro cellular radiosensitivity of human malignant tumors. Weichselbaum RR, et al. **Eur J Cancer** 12(1):47–51, Jan 76

Radiation pericarditis and myocardial fibrosis. Westerhof PW, et al. **Eur J Cardiol** 4(2):213–8, Jun 76

Behavioral correlates of focal hippocampal x-irradiation in rats. Wallace RB, et al. **Exp Brain Res** 24(4):343–49, 26 Feb 76

Surface properties of plasma membranes following ionizing radiation exposure. Gersten DM, et al. **Exp Cell Res** 96(1):215–23, Nov 75

Effect of low dose rate irradiation on the division potential of cells in vitro. II. Mouse lung fibroblasts. Macieira-Coelho A, et al. **Exp Cell Res** 100(2):228–32, Jul 76

Phytohemagglutinin-induced change in the distribution of acidic sugars in surface membrane of lymphoid cells and blocking of the radiation effect. Sato C, et al. **Exp Cell Res** 98(1):90–4, 1 Mar 76

Environmental temperature, x-irradiation and ageing insects. De Reggi ML. **Exp Gerontol** 10(6):333–40, 1975

Form of the increased longevity of Tribolium after X-irradiation. Ducoff HS. **Exp Gerontol** 10(3–4):189–93, Aug 75

Age related differences in the water content of normal and irradiated Drosophila melanogaster. Lamb MJ. **Exp Gerontol** 10(6):351–7, 1975

Effect of age on radiosensitivity of nuclear and mitochondrial DNA syntheses in the mouse liver. Shima A. **Exp Gerontol** 10(3–4):171–80, Aug 75

Radiation-induced life span shortening of Artemia under different temperature conditions. Suyama I, et al. **Exp Gerontol** 11(3–4):133–40, 1976

Histological alterations in spleen and bone marrow colonies produced by irradiation of the donor mice. Dunn CD. **Exp Hematol** 4(1):32–42, Jan 76

Hematopoietic differentiative properties of murine spleen implanted in the omenta of irradiated and nonirradiated hosts. Haley JE, et al. **Exp Hematol** 3(3):187–96, Jun 75

Erythropoiesis in the X-irradiated, bled rat. Marchetti DL, et al. **Exp Hematol** 3(6):375–82, Nov 75

Cytarabine: cytocidal effect on normal and leukemic lymphocytes. Synergism with x rays and comparison with mechlorethamine. Schrek R, et al. **Exp Mol Pathol** 24(1):84–90, Feb 76

Plasmodium berghei berghei: irradiated sporozoites of the ANKA strain as immunizing antigens in mice. Beaudoin RL, et al. **Exp Parasitol** 39(3):438–43, Jun 76

Chemical modification of genetic damage from continuous irradiation in mice. Bajrakova AK, et al. **Experientia** 32(7):924–5, 1976

Effects of gamma-rays on the developing embryos of Calotes versicolor. Chiplonkar JM, et al. **Experientia** 31(10):1213–5, 15 Oct 75

Structural changes of deoxyribonucleoprotein fibres following gamma-irradiation under aerobic and hypoxic conditions. Nakanishi YH, et al. **Experientia** 32(1):30–2, 15 Jan 76

Effects of gamma radiation and hempa on the midgut of the desert locust Schistocerca gregaria. Qureshi SA, et al. **Folia Biol (Krakow)** 23(2):123–7, 1975

Determination of protein levels by quantitative immunoelectrophoresis in rats subjected to continuous irradiation. Chlebovská K, et al. **Folia Biol (Praha)** 21(2):122–6, 1975

Effect of continuous irradiation upon some biological properties of murine lymphosarcoma LS/BL. Jurášková V, et al. **Folia Biol (Praha)** 21(5):340–8, 1975

Effect of continuous irradiation upon bone marrow haemopoietic stem cells in mice. Kalina I, et al. **Folia Biol (Praha)** 21(3):165–70, 1975

Unimpaired fertilization with thymidine-3H-labelled spermatozoa in the mouse. Kopečný V, et al. **Folia Biol (Praha)** 21(3):176–83, 1975

Influence of the properties of skin allografts on the 'graft survival promoting effect' of antilymphocyte serum. Nouza K, et al. **Folia Biol (Praha)** 22(2):74–81, 1976

Cytological and histological changes in the spleen of continuously irradiated rats. Prasličkа M, et al. **Folia Biol (Praha)** 22(2):125–39, 1976

Early changes in the number of haemopoietic stem cells in irradiated young rats. Vacek A, et al. **Folia Biol (Praha)** 21(3):199–202, 1975

The relative effect of H-2 disparity between irradiated host and injected bone marrow cells on their total proliferative and erythropoietic activities in the host's spleen. Zelený V, et al. **Folia Biol (Praha)** 21(5):299–308, 1975

Radiation-induced histochemical and ultrastructural changes in the enterocytes in the rabbit. Cieciura L, et al. **Folia Histochem Cytochem (Krakow)** 14(2):83–90, 1976

Ingestion and digestion of erythocytes by non-irradiated and irradiated macrophages. Vorbrodt A, et al. **Folia Histochem Cytochem (Krakow)** 13(1–2):3–10, 1975

Death of Lactobacillus acidophilus caused by incorporated 3H-thymine during incubation without amino acids. Koukalová B. **Folia Microbiol (Praha)** 21(2):107–16, 1976

Transplantation of homologous bone marrow cells to lethally irradiated mice – changes in the spleen. Viktora L, et al. **Folia Morphol (Praha)** 23(3):210–4, 1975

Haematopoiesis in the spleen of lethally irradiated mice 9, 12, 16 and 20 days after the transplantation of homologous bone marrow cells. Viktora L, et al. **Folia Morphol (Praha)** 23(1):14–8, 1975

Dominant lethal mutations in male mice fed gamma-irradiated diet. Chauhan PS, et al. **Food Cosmet Toxicol** 13(4):433–6, Aug 75

Electron microscopic study on the response of the normal canine brain to boron-neutron capture therapy. Al-Samarrai SF, et al. **Gann** 66(6):663–72, Dec 75

Combined effect of X-ray and bleomycin on cultured mammalian cells. Terasima T, et al. **Gann** 66(6):701–3, Dec 75

The effect of delaying radiation on wound healing. Blytne JG, et al. **Gynecol Oncol** 3(3):210–4, Sep 75

Radioprotection of the digestive tract by intravenous infusion of vasopressin. Juillard GJ, et al. **Gynecol Oncol** 3(3):233–43, Sep 75

Differences in the reactive-hematopoietic response of the spleen and bone marrow after treatment with irradiation and administration of cytostatic. Piletic O, et al. **Haematologica (Pavia)** 61(1):45–60, Mar 76

The long-term effects of intratracheally instilled 253EsCl3 in rats. Ballou JE, et al. **Health Phys** 29(2):267–72, Aug 75

Effects of chronic gamma radiation on the growth and survival of juvenile clams (Mercenaria mercenaria) and scallops (Argopecten irradians). Baptist JP, et al. **Health Phys** 30(1):79–83, Jan 76

The effect of gamma radiation on impregnated and non-impregnated polymeric resins. Hingorani SB, et al. **Health Phys** 30(6):493–6, Jun 76

Simplified RBE-dose calculations for mixed radiation fields. Katz R, et al. **Health Phys** 30(1):148–50, Jan 76

In vitro rubidium uptake by erythrocytes following low level x-ray exposure. Mettler FA Jr, et al. **Health Phys** 30(5):401–4, May 76

Local dosimetry and qualitative changes in 226Ra- and 90Sr-90Y-labeled beagle humeri. Momeni MH, et al. **Health Phys** 30(1):21–34, Jan 76

Dose rates, dose and time effects of 90Sr + 90Y and 226Ra on beagle skeleton. Momeni MH, et al. **Health Phys** 30(5):381–90, May 76

Spermatogenesis alterations during protracted irradiation in man. Popescu HI, et al. **Health Phys** 28(5):567–73, May 75

Eliminations of pituitary gonadotropic hormones in men with protracted irradiation during occupational exposure. Popescu HI, et al. **Health Phys** 29(3):385–8, Sep 75

A risk and cost effectiveness analysis of united states guidelines relative to radioactivity in foods. Shleien B. **Health Phys** 29(2):307–12, Aug 75

Plutonium—health implications for man. What we have learned about plutonium from human data. Voelz GL. **Health Phys** 29(4):551–61, Oct 75

Effects of low levels of radiation on rodents and potential effects in man. Warren S. **Health Phys** 29(2):251–5, Aug 75 (21 ref.)

Impairment of the bactericidal activity of murine macrophages following x-irradiation. Gallily R, et al. **Immunochemistry** 12(6–7):611–4, Jul 75

Lymphocyte trapping. Differential effects of ATS and irradiation on trapping in lymph nodes and spleen. Zatz MM. **Immunology** 30(5):749–53, May 76

Characteristics of cell survival curves for different radiations in relation to iso-effect curves for fractionated treatments of a rat rhabdomyosarcoma. pp. 270–9. Barendsen GW.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The estimation of survival at low doses and the limits of resolution of the single-cell-plating technique. pp. 34–9. Bedford JS, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The statistical treatment of cell survival data. pp. 40–53. Boag JW.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Survival-curve shape and oxygen enhancement ratio at low doses for Chlamydomonas. pp. 107–14. Bryant PE, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Genetic damage and mammalian cell survival curves. pp. 209–16. Burki HJ.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The effect of an asynchronous population of cells on the initial slope of dose—effect curves. pp. 57–63. Chadwick KH, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Radioprotectors, radiosensitizers, and the shape of the mammalian cell survival curve. pp. 135–40. Chapman JD, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

X-ray survival curves of cultured human diploid fibroblasts. pp. 217–22. Cox R, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The response of mouse skin to multiple small doses of radiation. pp. 342–50. Denekamp J, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The effect of multiple small fractions of x-rays on skin reactions in the mouse. pp. 351–61. Douglas BG, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Intercellular contact: its influence on the Dq of mammalian cell survival curves. pp. 237–47. Durand RE, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Cell survival curves deduced from non-quantitative reactions of skin, intestinal mucosa and lung. pp. 335–41. Dutreix J, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Cell survival after low doses of radiation. A summary and review of the conference. pp. 376–88. Elkind MM.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The associated inactivation model. pp. 64–8. Emery EW.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The response of mouse skin and lung to fractionated x-rays. pp. 362–8. Field SB, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Sparing effect of x-ray fractionation in mammary tumours and skin reactions of mice. pp. 288–92. Fowler JF, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Fitting curves by computer programs. pp. 89–92. Gilbert CW.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Survival of x-irradiated hamster cells: analysis in terms of the Chadwick-Leenhouts model. pp. 25–33. Gillespie CJ, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Biological problems in the measurement of survival at low doses. pp. 13–24. Hall EJ.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Effects of the radiosensitizer 'diamide' on parameters of the anoxic survival curve. pp. 126–34. Harris JW.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Response of mouse bone marrow to low dose rates, split acute doses, and multiple daily fractions. pp. 308–12. Hendry JH, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Survival-curve characteristics in a desmid. pp. 3–12. Howard A, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Effects of protracted gamma irradiation on cells from a rat rhabdomyosarcoma treated in vitro and in vivo. pp. 259–69. Kal HB.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The initial slope of the gamma-ray survival curve in the theory of RBE. pp. 78–85. Katz R, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Statistical and biophysical aspects of the survival curve. pp. 69–77. Kellerer AM.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Cumulative radiation effect: some qualitative predictions. pp. 320–7. Kirk J.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Measurement of very low oxygen tensions in liquids: does the extrapolation number for mammalian survival curves decrease after x-irradiation under anoxic conditions? pp. 167–73. Koch CJ.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Relation of intracellular cyclic AMP to the shape of mammalian cell survival curves. pp. 226–36. Lehnert S.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The effect of repeated small doses of radiation on recovery from sublethal damage by Chinese hamster cells irradiated in oxic or hypoxic conditions in the plateau phase of growth. pp. 119–25. McNally NJ.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Measurements in vitro with three cell lines derived from melanomas. pp. 223–5. Malaise EP, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Prediction of the initial shape of survival curves when direct measurement is not possible. pp. 313–9. Malone JF, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Deductions about survival-curve parameters from iso-effect radiation regimes: observations on lethality after whole-body irradiation of mice. pp. 299–307. Mole RH.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Response of HeLa and Chinese hamster cells to low doses of photons and neutrons. pp. 93–9. Nias AH, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The 'pool' and the initial slope of survival curves for high- and low-LET radiation. pp. 86–8. Orr JS, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Effects of oxygen and TMPN on the initial part of the dose-effect curves of human cells in culture. pp. 150–7. Pettersen EO, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The effect of hypoxia and dose rate on the shape of survival curves for EMT6 tumour and B14FAF cells in vitro. pp. 158–66. Phillips TL, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The shape of dose-effect curves for diploid yeast cells irradiated with ionizing particles. pp. 190–6. Pohlit W.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Oxygen effects in the shoulder region of cell survival curves. pp. 141–9. Révész L, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The efficacy of hyperbaric oxygen in modifying the response of tissue to irradiation in doses of 200–400 rad per fraction. pp. 280–7. Suit HD, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Oxygen enhancement ratio for small x-ray doses measured in Vicia faba roots. pp. 115–8. Winston BM, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Responses of some normal tissues to low doses of gamma-radiation. pp. 369–75. Withers HR.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Factors affecting the development of metabolic compartmentation in the brain. pp. 363–83. Patel AJ, et al.

In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m. (70 ref.)

Biological effects of hadrons at very low doses. pp. 195–204. Baarli J, et al.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Radiation-induced increase in lifespan of insects. Implications for theories of mammalian aging and radiosensitivity. pp. 103–9. Ducoff HS.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Effects of continuous prenatal gamma radiation on the pig and rat. pp. 111–7. Erickson BH, et al.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Spermatogonial cell renewal under continuous irradiation at 1.8 and 45 rads per day. pp. 157–68. Hsu TH.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Effects of continuous lifetime irradiation on Spanish goats. pp. 119–26. Hupp EW.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Low-level effects in relation to track structure theory. pp. 343–60. Katz R.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Low-level radiation effects on plants. Biochemical aspects of radiation stimulation. pp. 141–6. Niemann EG, et al.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

An interspecies comparison of responses of mice and dogs to continuous 60Co gamma irradiation. pp. 147–56. Norris WP, et al.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Demonstration of a stimulating effect of natural ionizing radiation and of very low radiation doses on cell multiplication. pp. 127–40. Planel G, et al.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Interrelation between physical and biological effects of small radiation doses. pp. 245–51. Rossi HH.

In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Results of pituitary ablation by 90Y and 32P interstitial implants in breast carcinoma. pp. 233–40. Badellino F.

In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.

Radiobiology of endocrine organs. pp. 21–33. Key M.

In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h. (44 ref.)

Comparison of clinical results induced by irradiated and non-irradiated chronic myelocytic leukaemia cell transfusions and the relationship to in vitro studies. pp. 395–401. Bussel A, et al.

In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 I605L 1974.

RNA synthesis of regenerating rat liver: low-molecular-weight nuclear RNA synthesis during regeneration and after irradiation. pp. 181–6. Fónagy A, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Radiobiological considerations. pp. 141–7. Hall EJ.

In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Biological considerations in the use of high-energy beams. pp. 37–50. Hall EJ.

In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Are chromosomal aberrations reliable indicators of environmental hazards? pp. 233–48. Savage JR.

In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Nuclear techniques in helminthology research. Conclusions and recommendations. pp. 175–83.

In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Preparation of radiation-attenuated vaccines against helminthic infections. pp. 1–11. Mulligan W.

In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973. (12 ref.)

Attempts at immunization against Malayan filariasis using x-irradiated infective larvae. pp. 101–14. Ramachandran CP.

In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Studies on humoral and cellular immune responses in filariasis: use of nuclear techniques. pp. 73–84. Subrahmanyam D, et al.

In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Towards the development of a live vaccine for schistosomias. pp. 165–73. Taylor MG.

In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Rapid-mixing studies on the time-scale of radiation damage in cells. pp. 478–92. Adams GE, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Chemistry. pp. 1343–8. Baxendale, JH.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Twelfth Failla Memorial Lecture. The time scale in radiobiology. pp. 9–29. Boag JW.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

RBE values of fast neutrons for damage to organized tissues in experimental animals. pp. 1073–82. Broerse JJ.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Studies on the effects of cosmic HZE-particles on different biological systems in the biostack experiments I and II flown on board of Apollo 16 and 17. pp. 1138–51. Bücker H, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Some aspects of electron dynamics in solid alkanes. pp. 415–25. Cheng I, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

The dependence on LET of various types of damage in phage DNA in relation to the inactivation efficiency. pp. 1060–5. Christensen RC.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Mobilities of slow electrons in low- and high-pressure gases and liquids. pp. 397–403. Christophorou LG.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Deferred luminescence in organic matrices at low and very low temperatures. pp. 426–35. Cordier P, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Concept of human stem cell kinetics. pp. 780–7. Cronkite EP.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Reactions rates of electrons at short times. pp. 356–66. Czapski G, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Channeling: a tool for the study of the interactions of energetic particles penetrating solids. pp. 287–301. Datz S.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Changes in the rate of proliferation in normal tissues after irradiation. pp. 810–25. Denekamp J.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (50 ref.)

The optical absorption spectrum of the solvated electron in polar liquids and in binary solutions. pp. 326–32. Dorfman LM, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Characteristics of the stem cell population surviving a sublethal exposure to ionizing radiation. pp. 797–807. Duplan JF.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Cellular and subcellular biology. pp. 1349–61. Elkind MM.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

The RBE for fast neutrons: the link between animal experiments and clinical practice. pp. 1125–35. Field SB, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (47 ref.)

Fundamental aspects of LET in radiobiology. pp. 1040–52. Fowler JF.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Measured mobilities of electrons. pp. 367–77. Freeman GR.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Response of stem cell system to whole body and partial body irradiation. pp. 788–96. Gidáli J.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Reactions of electrons in 3-methylhexane glass. pp. 443–9. Gillis HA, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Catalysis of electron and electron transfer reactions in micellar and protein systems. pp. 511–23. Grätzel M, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Application of fast polarography in pulse radiolysis. pp. 493–510. Grätzel M, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Biological effects of accelerated boron, carbon, and neon ions. pp. 1173–83. Grigoryev YG, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

The dependence of RBE and OER on neutron energy for damage to mammalian cells and plant systems. Hall EJ.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Applied industrial radiation chemistry of monomers and polymers. pp. 65–80. Hoffman AS.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Energies of conduction bands in dielectric liquids. pp. 378–87. Holroyd R.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Electron yields and reaction kinetics in polar liquids. pp. 345–55. Hunt JW, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Introduction to the Symposium on the Basic Physics of the Interactions of Radiation with Matter. pp. 184–7. Inokuti M.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Physics. pp. 1336–42. Johns HE.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Theory of optical spectra of solvated electrons. pp. 333–44. Kestner NR.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (43 ref.)

Theoretical aspects and implications of the oxygen effect. pp. 1025–37. Kiefer J.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Secondary electron spectra. pp. 219–26. Kim YK.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Electron tunneling in rigid media. pp. 462–76. Kroh J, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

The picosecond reactions of electrons with biologically important molecules. pp. 524–30. Lam KY, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Comparison of the mutagenic effects of chemicals and ionizing radiation using Drosophila melanogaster test systems. pp. 976–83. Lee WR.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Radiation sterilization—an industrial process. pp. 118–30. Ley FJ.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Cell proliferation changes in hemopoietic tissue as a result of irradiation or drug administration: the control of cell proliferation in hemopoietic tissue. pp. 826–33. Lord BI.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (55 ref.)

Formation and decay of trapped electrons in frozen media. pp. 450–61. Moan J.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (57 ref.)

Trapped electrons and anions in rigid organic glasses at 4 degrees k. pp. 436–42. Namiki A, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Ionization by energy transfer from excited species. pp. 227–41. Niehaus A.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Spontaneous break-up of gaseous ions. pp. 255–75. Ottinger C.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Effects of cosmic heavy ions on Artemia egg development. pp. 1152–63. Planel H, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Transmission of fast molecules through solids. pp. 302–14. Remillieux J.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Primary processes and track effects in irradiated media. pp. 315–24. Ritchie RH, et al.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Biophysical implications of radiation quality. pp. 994–7. Rossi HH.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Excess electrons and energy fluctuations in non-polar liquids. pp. 388–96. Schiller R.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Energy loss and ranges of charged particles in matter. pp. 278–86. Sigmund p.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (64 ref.)

Tissue and animal biology. pp. 1362–72. Silini G.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Mammalian cell sensitization repair and the cell cycle. pp. 742–51. Sinclair WK.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Ionization by interpenetration of electron shells. pp. 242–54. Smith FT, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Energy deposition in small volumes in relation to linear energy transfer (LET). pp. 1053–9. Srdoč D.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Technological applications of radiation: an introduction. pp. 62–4. Sztanyik LB.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Electron energy deposition in matter at the molecular level. pp. 205–18. van der Wiel MJ.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Gas–to–particle conversion in the atmospheric environment by radiation–induced and photochemical reactions. pp. 1314–25. Vohra KG.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Repairs of nuclear and mitochondrial DNAs in Tetrahymena pyriformis. pp. 139–43. Netrawali MS, et al.
In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Radiation sterilization of pharmaceuticals and biomedical products. pp. 351–63. Blackburn R, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Organization and immunological qualities of lyophilized and radiosterilized extrasynovial dog–tendon preparations. pp. 25–37. Fehér I, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Feasibility studies on radiation sterilization of some pharmaceutical products. pp. 387–402. Gopal NG, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Chemical and biological effects of radiation sterilization of medical products. pp. 179–90. Gupta BL.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Polyethylene plastics as containers for water for injection and as material for disposable medical devices sterilized by radiation. pp. 145–57. Hilmy N, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Pre–sterilization contamination of disposable medical products and the choice of minimum sterilization dose. pp. 15–24. Horáková V, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Microbiological problems of radiation sterilization control of disposable medical products. pp. 53–8. Horáková V.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Irradiated cobra (Naja naja) venom for biomedical applications. pp. 253–62. Kankonkar SR, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Comparison of some properties of tissue grafts sterilized by cold shock and ionizing radiation. pp. 203–14. Klen R, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Safety and clinical efficacy of some radiation–sterilized medical products and pharmaceuticals. pp. 403–8. Kulkarni RD, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiosterilization of medical appliances using a 5000–Ci cobalt–60 source. pp. 493–502. Molla MA, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiation–sterilization practices in Korea. pp. 503–10. Rhee KS.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Tests of the validity of a model relating frequency of contaminated items and increasing radiation dose. pp. 3–14. Tallentire A, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Synergistic effects of heat and irradiation treatment (thermoradiation) in the sterilization of medical products. pp. 25–44. Trauth CA Jr, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Effects of sterilizing doses of ionizing radiation on the mechanical properties of various connective tissue allografts. pp. 215–23. Triantafyllou N, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Inactivation of B. pumilus spores by combination hydrostatic pressure–radiation treatment of parenteral solutions. pp. 45–51. Wills PA.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Action of gamma radiations on the active transport of 45Ca through the erythrocytic membrane. pp. 437–9. Gavat V, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie–Verlag, 1975. W3 IN9848G 1973s.

Metabolic defects of erythrocytes caused by ionising radiation under different conditions. pp. 397–401. Konopka K, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie–Verlag, 1975. W3 IN9848G 1973s.

Computer–assisted analysis of irradiated lymphocytes. pp. 44–54. Anderson RE, et al.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

Circadian susceptibility–resistance cycle of bone marrow cells to whole body X–irradiation in BALB/C mice. pp. 115–22. Haus E, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (49 ref.)

Circadian cyclic sensitivity to gamma radiation as an unconditioned stimulus in taste aversion conditioning. pp. 544–7. Ternes JW.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Linkers in mammalian chromosomal DNA. pp. 11–32. Lett JT.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (36 ref.)

Ionizing radiation–induced attachment reactions of nucleic acids and their components. pp. 261–86. Myers LS Jr.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (66 ref.)

Ionizing radiation–induced DNA–protein cross–linking. pp. 165–92. Yamamoto O.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (73 ref.)

Adenohypophysis and the male gonadal axis following partial body gamma – irradiation. pp. 361–9. Gupta GS.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Extensive chromosome aberrations caused by [3H]thymidine incorporation in a diploid monkey cell line DBS–FRhL–2. Huang CC, et al. **In Vitro** 11(4):234–8, Jul–Aug 75

Immobilization of enzymes by radiation copolymerization of synthetic monomers. pp. 69–72. Kawashima K, et al.
In: Weetall HH, Suzuki S, ed. Immobilized enzyme technology. New York, Plenum Press, 1975. TP 248.E5 S471i 1974.

Immobilization of enzymes by radiation polymerization. pp. 185–97. Suzuki H, et al.
In: Weetall HH, Suzuki S, ed. Immobilized enzyme technology. New York, Plenum Press, 1975. TP 248.E5 S471i 1974.

In vitro cell transformation by low doses of x–irradiation and neutrons. pp. 309–26. Borek C.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.

Gamma–ray excision repair in normal and diseased human cells. pp. 93–101. Cerutti PA, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975. (45 ref.)

Radiation activation of endogenous leukemia viruses in cell culture: acute x–ray irradiation. pp. 217–25. Declève A, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.

In vitro transformation: interactions of chemical carcinogens and radiation. pp. 335–42. DiPaolo JA.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.

The use of in vitro methods for the study of x–ray–induced transformation. pp. 301–7. Klein JC.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975. (23 ref.)

Radiation–induced strand breaks in the DNA of mammalian cells. pp. 67–92. Ormerod MG.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975. (94 ref.)

Repair of human DNA: radiation and chemical damage in normal and xeroderma pigmentosum cells. pp. 103–13. Regan JD, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.

Cellular factors that regulate radiation activation and restriction of mouse leukemia viruses. pp. 227–36. Tennant RW, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.

Oncogenic transformation in vitro by x–rays: influence of repair processes. pp. 327–34. Terzaghi M, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.

Factors influencing radiation–induced impairment of rat liver mitochondrial oxidative phosphorylation. Alexander KC, et al. **Indian J Biochem Biophys** 12(1):35–7, Mar 75

Adsorption profile of native and irradiated DNA at solid–liquid interface. Chari RV, et al.
Indian J Biochem Biophys 12(3):219–24, Sep 75

Radiation effects on testes : evidences for (Na+ + K+) stimulated ATPase in germinal and non–germinal cells of testis of rat. Gupta GS. **Indian J Biochem Biophys** 12(2):189–92, Jun 75

Radiation effects on rat testes : on the mechanism of radio–protection by dopamine and FSH. Gupta GS.
Indian J Biochem Biophys 12(2):187–9, Jun 75

Effect of gamma irradiation on fatty acid oxidation in rat liver slices. Ramanathan R, et al.
Indian J Biochem Biophys 11(4):339–40, Dec 74

Radiosensitivity of synchronized Tetrahymena pyriformis W. cells. Srinivas H, et al. **Indian J Biochem Biophys** 11(4):287–91, Dec 74

Effect of irradiation & vinblastine administration on free alpha–amino nitrogen changes in plasma, erythrocyte & leucocyte. Lal H, et al. **Indian J Exp Biol** 13(1):71–3, Jan 75

Proliferative activity of syngeneic marrow transplant in irradiated recipient. Mehra NK, et al.
Indian J Exp Biol 13(3):223–9, May 75

Effect of whole body x–irradiation on liver of albino rats. Mehta S, et al. **Indian J Exp Biol** 13(1):73–5, Jan 75

Delay in rejection of irradiated skin homograft: report of an experiment on albino rats. Sharma M, et al.
Indian J Med Res 63(6):787–92, Jun 75

Cytological investigations on the effects of I131 in male mice. Subramanyam S, et al. **Indian J Med Res** 63(12):1680–7, Dec 75

Effects of Co60 gamma radiations on the conduction properties of frog sciatic nerves. Nayar GN, et al.
Indian J Physiol Pharmacol 19(4):187–92, Oct–Dec 75

Response of sublethally irradiated monkeys to a replicating viral antigen. Hilmas DE, et al. **Infect Immun** 12(3):592–601, Sep 75

The effect of ionizing radiation on the antibiotic sensitivity of Micrococcus radiodurans strains RI and RII5. Agha N, et al. **Int J Appl Radiat Isot** 26(6–7):387–91, Jun–Jul 75

The use of 'fast' neutrons and gamma radiation to sterilize the tsetse fly Glossina tachinoides Westw. Offori ED, et al. **Int J Appl Radiat Isot** 26(5):257–60, May 75

Transformation of mouse cells after infection with ultraviolet irradiation–inactivated herpes simplex virus type 2. Boyd AL, et al. **Int J Cancer** 16(4):526–38, 15 Oct 75

Modification of the effect of C. parvum on macrophage activity and tumour growth by X–irradiation. Woodruff MF, et al. **Int J Cancer** 17(5):652–8, 15 May 76

Intestinal peptidase activity following whole–body irradiation in mice. Bounous G, et al.
Int J Clin Pharmacol Biopharm 13(2):144–9, Mar 76

Effects of irradiation on saliva in cancer patients. Ben–Aryeh H, et al. **Int J Oral Surg** 4(5):205–10, Oct 75

The effects of x–radiation on Taenia pisiformis. Beveridge I, et al. **Int J Parasitol** 5(6):641–9, Dec 75

Studies on resistance in snails: specific resistance induced by irradiated miracidia of Echinostoma lindoense in Biomphalaria glabrata snails. Lie KJ, et al.
Int J Parasitol 5(6):627–31, Dec 75

Letter: An in situ radiolysis e.s.r. study of Flagyl. Ayscough PB, et al. **Int J Radiat Biol** 27(6):603–5, Jun 75

Letter: Radiosensitization of T7 bacteriophage by 8–methoxypsoralen. Becker D, et al. **Int J Radiat Biol**

28(2):195–8, Aug 75
E.s.r. studies of sulphur–substituted pyrimidines. 2–thio–5–carboxyuracil at 77 K. Bergene R, et al. **Int J Radiat Biol** 28(2):137–46, Aug 75
E.s.r. of free radicals in irradiated uracil–beta–D–arabinofuranoside. Bergene R, et al. **Int J Radiat Biol** 29(2):145–57, Feb 76
R.b.e. of 50 k Vp x–rays and 660 keV gamma–rays (137 Cs) with respect to the production of DNA damage, repair and cell–killing in Escherichia coli K–12. Bonura T, et al. **Int J Radiat Biol** 28(6):539–48, Dec 75
Letter: The involvement of indirect effects in cell–killing and DNA double–strand breakage in gamma–irradiated Escherichia coli K–12. Bonura T, et al. **Int J Radiat Biol** 29(3):293–6, Mar 76
Pulse–radiolytic investigations of catechols and catecholamines. I. Adrenaline and adrenochrome. Bors W, et al. **Int J Radiat Biol** 28(4):353–71, Oct 75
Modification of the response to 8 MeV electrons of auxotrophic strains of Escherichia coli by amino–acid deprivation and rifampicin. Bryant PE, et al. **Int J Radiat Biol** 28(2):147–54, Aug 75
The r.b.e. of different energy neutrons as measured by the heamatopoietic spleen–colony technique. Carsten AL, et al. **Int J Radiat Biol** 29(1):65–70, Jan 76
Radiation–induced decrease in influx rates of potassium ions into thymocytes in vitro in relation to decreased intracellular adenosine triphosphate concentrations. Chapman IV, et al. **Int J Radiat Biol** 28(2):155–63, Aug 75
Changes in morphogenesis and developmental enzyme levels in Dictyostelium discoideum after gamma irradiation. Cleveland RF, et al. **Int J Radiat Biol** 29(5):463–73, May 76
Independence of the radiobiological oxygen constant, K, and the respiration rate of mammalian cells. Cullen B, et al. **Int J Radiat Biol** 29(4):343–50, Apr 76
Quantitative dose–response of growth and development in Arabidopsis thaliana exposed to chronic gamma–radiation. Daly K, et al. **Int J Radiat Biol** 28(1):61–6, Jul 75
Epithelial regeneration of transposed intestine after high doses of X–irradiation. De Both NJ, et al. **Int J Radiat Biol** 29(1):17–26, Jan 76
Letter: Radiation effects on aqueous solutions of the nitroxyl free radical TMPN (2,2,6,6–tetramethyl–4–piperidinol–N–oxyl). Deffner U, et al. **Int J Radiat Biol** 29(1):71–5, Jan 76
Structural damage of gamma–irradiated ribonuclease revealed by thin–layer isoelectric focusing. Delincée H, et al. **Int J Radiat Biol** 28(6):565–79, Dec 75
The effects of x–irradiation on collagen metabolism in rat skin. De Loecker W, et al. **Int J Radiat Biol** 29(4):351–8, Apr 76
A comparative study of post–irradiation growth kinetics of spheroids and monolayers. Dertinger H, et al. **Int J Radiat Biol** 28(3):255–65, Sep 75
Negative pion irradiation of mammalian cells. 1. Survival characteristics of monolayers and spheroids of Chinese hamster lung cells. Dertinger H, et al. **Int J Radiat Biol** 29(3):271–7, Mar 76
Letter: Dose–rate effects on the hatchability of irradiated embryos of the fish, Oryzias latipes. Egami N, et al. **Int J Radiat Biol** 28(3):273–8, Sep 75
Letter: The radiation–resistant red bacterium from rice. Engvild KC, et al. **Int J Radiat Biol** 28(2):191–3, Aug 75
Radiation–induced inhibition of RNA synthesis in Tetrahymena pyriformis. Ernst SG, et al. **Int J Radiat Biol** 28(1):67–74, Jul 75
Two components in the radiation sensitization of bacterial spores by p–nitroacetophenone: the –OH component. Ewing D. **Int J Radiat Biol** 28(2):165–76, Aug 75
Radiation inactivation of rabbit muscle aldolase. Felicioli R, et al. **Int J Radiat Biol** 27(6):525–32, Jun 75
Radical formation in salts of pyrimidines. I. 1–methyluracil. HBr crystals. Flossmann W, et al. **Int J Radiat Biol** 28(2):105–15, Aug 75
Sulphydryl and disulphide groups in normal and irradiated epidermis. Frasch AC, et al. **Int J Radiat Biol** 29(4):301–9, Apr 76
Letter: A comparison of the radiosensitivity and o.e.r. of human and mouse marrow progenitor cells cultured in agar in diffusion chambers. Gordon MY. **Int J Radiat Biol** 28(3):285–90, Sep 75
Influence of rat blood on radiation protection of mammalian cells by cysteamine and cystamine in vitro. Grant GA, et al. **Int J Radiat Biol** 28(1):45–51, Jul 75
Ionic base radicals in gamma–irradiated oriented non–deuterated and fully deuterated DNA. Gräslund A, et al. **Int J Radiat Biol** 28(4):313–23, Oct 75
Radiosensitivity and hydroxyl radical reactivity of phosphate esters as measured by radiation–induced dephosphorylation. Greenstock CL, et al. **Int J Radiat Biol** 28(1):1–12, Jul 75
Letter: Post–irradiation changes in oocyte populations in the fry of the fish Oryzias latipes. Hamaguchi S, et al. **Int J Radiat Biol** 28(3):279–84, Sep 75
The effects of dose and field size on late radiation damage to the rat spinal cord. Hopewell JW, et al. **Int J Radiat Biol** 28(4):325–33, Oct 75
Letter: Effecf of x–irradiation on the transport of thymidine into asynchronous and S phase CHO cells. Hopwood LE, et al. **Int J Radiat Biol** 29(3):279–86, Mar 76
Effect of 60Co gamma–irradiation on the reaction of mixed disulphides of mercaptoethylguanidine with enzymes of rat–liver cytoplasm. Horváth M, et al. **Int J Radiat Biol** 29(2):137–44, Feb 76
Suppression and recovery of the immune response and CFU potential of mice during and after chronic low–dose–rate gamma–irradiation. Hübner KF, et al. **Int J Radiat Biol** 28(4):301–12, Oct 75
Letter: Dependence of chemical radioprotection on the stability of radiation–induced oxygen–sensitive sites. Kesavan PC, et al. **Int J Radiat Biol** 28(5):495–9, Nov 75
Letter: Modification of the radiosensitivity of barley seed by posttreatment with caffeine. III. Influence of dose of irradiation and concentration of caffeine. Kesavan PC, et al. **Int J Radiat Biol** 29(4):395–8, Apr 76
The modification of sodium excretion after abdominal irradiation. A dose–effect relationship study in the rat. Keyeux A, et al. **Int J Radiat Biol** 28(4):335–43, Oct 75
The oxygen–enhancement ratio for reproductive death induced by 3H or 125I damage in mammalian cells. Koch CJ, et al. **Int J Radiat Biol** 28(5):417–25, Nov 75
Further studies of DNA damage and lethality from the decay of iodine–125 in bacteriophages. Krisch RE, et al. **Int J Radiat Biol** 27(6):553–60, Jun 75
Lethality and double–strand scissions from 14C decay in the DNA of micro–organisms. Krisch RE. **Int J Radiat Biol** 29(3):249–54, Mar 76
Letter: Gamma–irradiation of mammalian beating heart cells in vitro. Effects on cellular function. Lampidis TJ, et al. **Int J Radiat Biol** 28(1):99–102, Jul 75
Letter: Tolerance of the spinal cord of rats to irradiation with neon ions. Leith JT, et al. **Int J Radiat Biol** 28(4):393–8, Oct 75
Oxygen––effect on strand breaks and specific end–groups in DNA of irradiated thymocytes. Lennartz M, et al. **Int J Radiat Biol** 27(6):577–87, Jun 75
Letter: Modification of end–groups in DNA strand breaks of irradiated thymocytes during early repair. Lennartz M, et al. **Int J Radiat Biol** 28(2):181–5, Aug 75
Effects of beta–adrenergic stimulation on bone–marrow function in normal and sublethally irradiated mice. I. The effect of isoproterenol on cAMP content in bone–marrow cells in vivo and in vitro. Lipski S. **Int J Radiat Biol** 29(4):359–66, Apr 76
Chromosome aberrations induced in human lymphocytes by neutron irradiation. Lloyd DC, et al. **Int J Radiat Biol** 29(2):169–82, Feb 76
The effect of repeated small doses of radiation on recovery from sub–lethal damage by Chinese hamster cells irradiated in the plateau phase of growth. McNally NJ, et al. **Int J Radiat Biol** 29(3):221–34, Mar 76
Effects of high–LET particles (40A) on the brain of Drosophila melanogaster. Miquel J, et al. **Int J Radiat Biol** 29(2):101–24, Feb 76
Letter: Pulse radiolysis of aqueous glycerol solutions. Moore JS, et al. **Int J Radiat Biol** 29(5):489–92, May 76
Letter: Dependence of radiation response of diploid yeast upon growth phase and LET. Murthy MS, et al. **Int J Radiat Biol** 29(1):85–91, Jan 76
Modification of the radiosensitivity of barley seed by post–treatment with caffeine. Kinetics of decay of caffeine–reactive oxygen–sensitive sites. Nadkarni S, et al. **Int J Radiat Biol** 27(6):569–76, Jun 75
Letter: Rejoining of radiation–induced single–strand breaks in DNA of Escherichia coli: involvement of RNA synthesis. Nair CK, et al. **Int J Radiat Biol** 28(4):385–9, Oct 75
Enzymatic detection of x–ray–induced strand breaks in nuclear DNA on sections of mouse tissue. Nakamura H, et al. **Int J Radiat Biol** 29(3):201–10, Mar 76
Adrenocorticotropic (ACTH) cells of rats after head irradiation. Pantić V, et al. **Int J Radiat Biol** 28(1):53–60, Jul 75
Letter: Oxidative phosphorylation by Tetrahymena pyriformis mitochondria exposed to gamma radiation in vivo and in vitro. Pasupathy K, et al. **Int J Radiat Biol** 28(6):593–7, Dec 75
Letter: A simple method for estimating the biological activity of irradiated Escherichia coli DNA by the use of the prophage. Petranović D, et al. **Int J Radiat Biol** 29(2):187–90, Feb 76
Letter: Effect of tonicity on radiosensitivity of mammalian cells. Raaphorst GP, et al. **Int J Radiat Biol** 29(5):493–500, May 76
Radioprotection of lipogenesis from glucose (U–14C) and activities of pyridine nucleotide dehydrogenases in liver of gamma–irradiated female rats by cystamine. Ramanathan R, et al. **Int J Radiat Biol** 28(1):35–43, Jul 75
The role of metal ions in the radiosensitivity of metalloproteins. Model experiments with bovine carbonic anhydrase. Redpath JL, et al. **Int J Radiat Biol** 28(3):243–53, Sep 75
Letter: Rejoining of DNA single–strand breaks in mammalian cells incubated in buffer or in medium after aerobic or anaerobic x–irradiation. Roots R, et al. **Int J Radiat Biol** 27(6):595–602, Jun 75
Letter: Sensitivity to x–rays in terms of mitotic delay (Sd) and killing (Sk): correlation between Sd and Sk for sub–lines of murine leukaemic cells. Rosenberg HM, et al. **Int J Radiat Biol** 29(2):197–200, Feb 76
Letter: Combined heat–irradiation effect on deoxyribonucleic acid of Penicillium expansum LK. ex. Thom. Roy MK, et al. **Int J Radiat Biol** 28(3):297–6, Sep 75
On the radiation–induced aggregates of lactate dehydrogenase. Schuessler H, et al. **Int J Rsdiat Biol** 28(5):401–8, Nov 75
Defective repair of gamma–ray induced DNA damage in xeroderma pigmentosum cells. Setlow RB, et al. **Int J Radiat Biol** 29(2):125–36, Feb 76
Letter: Kinetics of cell populations in the intestinal epithelium of mice after partial–body irradiations with x–rays neutrons. Shiragai A, et al. **Int J Radiat Biol** 29(4):377–83, Apr 76
E.s.r. studies of halogenated pyrimidines in gamma–irradiated alkaline glasses. Simpson LD, et al. **Int J Radiat Biol** 28(5):461–75, Nov 75
Effects of 60Co irradiation of the early developmental stages of an ixodid tick, Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(2):159–68, Feb 76
Effects of 60Co irradiation on unfed adults and engorged females of the tick Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(3):241–8, Mar 76
Phosphate ester cleavage in ribose–5–phosphate induced by OH radicals in deoxygenated aqueous solution. The effect of Fe(II) and Fe(III) ions. Stelter L, et al. **Int J Radiat Biol** 29(3):255–69, Mar 76
Alterations of liver DNA after x–irradiation. Reassociation and hybridization with nuclear RNA. Tomura T, et al. **Int J Radiat Biol** 28(3):205–14, Sep 75
Sensitization of thymine and uracil to ionizing radiation by p–nitroacetophenone. Varghese AJ. **Int J Radiat Biol** 28(5):477–84, Nov 75
Radical formation in salts of pyrimidines. II. Cytosine. HCl crystals. Westhof E, et al. **Int J Radiat Biol** 28(5):427–38, Nov 75
Letter: O.e.r. and r.b.e. for 10 MeV electrons, and the two–component theory of radiation action. Winston BM, et al. **Int J Radiat Biol** 28(2):187–90, Aug 75
Vascular and morphological changes in the urinary bladder wall after irradiation. Hietala SO, et al. **Int Urol Nephrol** 7(2):119–29, 1975
The response of mouse ocular tissues to continuous near–UV light exposure. Zigman S, et al. **Invest Ophthalmol** 14(9):710–3, Sep 75
The effect of radiation on prostatic growth. Sufrin G, et al. **Invest Urol** 13(6):418–23, May 76
Proceedings: Immunofluorescent detection of Kaplan lymphatic leukemia virus induction after fractionated x–irradiation of B–6 mice. Haas M. **Isr J Med Sci** 11(11):1210, Nov 75
Proceedings: Cell–mediated anti–leukemic cell immunity in C57BL/6 mice injected with the radiation leukemic virus. Peled A, et al. **Isr J Med Sci** 11(12):1396, Dec 75
Heat–enhanced radioresponse in HeLa cells. Saladino C, et al. **Isr J Med Sci** 12(2):134–38, Feb 76
Irradiation studies of mallard duck eggs material containing Mirex. Lane RH, et al. **J Agric Food Chem** 24(1):192–3, Jan–Feb 76
Alteration of T cell function in healthy persons with a history of thymic x–irradiation. Rieger CH, et al. **J Allergy Clin Immunol** 56(4):273–81, Oct 75
Specific inactivation of solid carbonic anhydrase upon X–ray resonance absorption in the constituent zinc atom. Diehn B, et al. **J Am Chem Soc** 98(5):1077–9, 3 Mar 76
Letter: Heavy–ion radiolysis of solid glycine. Tung TL, et al. **J Am Chem Soc** 98(14):4341–2, 7 Jul 76
Centrifugal separation of irradiated cultures of Escherichia coli cells into viable and nonviable populations. Schenley RL, et al. **J Bacteriol** 126(2):977–84, May 76
Lactate dehydrogenase–catalyzed stereospecific hydrogen atom transfer from reduced nicotinamide adenine dinucleotide to dicarboxylate radicals. Chan PC, et al. **J Biol Chem** 250(18):7266–71, 25 Sep 75
Radiation–induced delay of nuclear pore formation. Szekely JG, et al. **J Cell Biol** 70(2 pt 1):466–70, Aug 76
Experimental reorganization of the cerebellar cortes. VI. Effects of x–irradiation schedules that allow or prevent cell acquisition after basket cells are formed. Altman J. **J Comp Neurol** 165(1):49–63, 1 Jan 76
Experimental reorganization of the cerebellar cortex. VII. Effects of late x–irradiation schedules that interfere with cell acquisition after stellate cells are formed. Altman J. **J Comp Neurol** 165(1):65–75, 1 Jan 76
Experimental reorganization of the cerebellar cortes. V. Effects of early x–irradiation schedules that allow or prevent the acquisition of basket cells. Altman J. **J Comp Neurol** 165(1):31–47, 1 Jan 76
Radiation–induced interference with postnatal hippocampal cytogenesis in rats and its long–term effects on the acquisition of neurons and glia. Baver SA, et al. **J Comp Neurol** 163(1):1–19, Sep 75
Reduction in dentin wear resistance by irradiation and effects of storage in aqueous media. Davis WB. **J Dent Res** 54(5):1078–81, Sep–Oct 75
Direct effect of radiation on the solubility of human teeth in vitro. Walker R. **J Dent Res** 54(4):901, Jul–Aug 75
Suppresssion of Drosophila melanogaster by direct field–released gamma–irradiated adults. Mason HC, et al. **J Econ Entomol** 69(3):392–4, Jun 76
Further evidence for inhibin: change in serum luteinizing hormone and follicle–stimulating hormone levels after x–irradiation of rat testis. Bain J, et al. **J Endocrinol** 66(2):279–80, Aug 75
Proceedings: Serum and pituitary gonadotrophins after destruction of germinal cells in the testis by X–irradiation or heat. Main SJ, et al. **J Endocrinol** 69(3):23P, Jun 76
How x–rays inhibit amphibian limb regeneration. Maden M, et al. **J Exp Zool** 197(1):105–13, Jul 76
Irradiation inhibits the regeneration of aneurogenic limbs. Wallace H, et al. **J Exp Zool** 195(3):353–8, Mar 76
Comparison of the sensitivity of spores and amoebae of

Dictyostelium discoideum to gamma-rays and ultraviolet light. Gillies NE, et al. **J Gen Microbiol** 92(1):229–33, Jan 76

The effect of gamma radiation on cercariae of Schistosoma mansoni. Ghandour AM, et al. **J Helminthol** 49(3):161–5, Sep 75

The effect of ultra-violet radiation on cercariae of Schistosoma mansoni and Schistosoma haematobium. Ghandour AM, et al. **J Helminthol** 49(3):153–9, Sep 75

Immunisation of sheep against Schistosoma mattheei using either irradiated cercariae or irradiated schistosomula. Taylor MG, et al. **J Helminthol** 50(1):1–9, Mar 76

Histochemistry of neuronal degenerative changes. Kozik M. **J Hirnforsch** 16(4):351–70, 1975

Effect of Cs137 on immunological reactivity (review of literature). Shubik VM. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):271–8, 1975 (31 ref.)

B lymphocyte differentiation from fetal liver stem cells in89 Sr-treated mice1. Kincade PW, et al. **J Immunol** 115(5):1217–22, Nov 75

Sensitivity to radiation and cycle-active drugs as a function of stem cell compartment repletion. Degowin RL, et al. **J Lab Clin Med** 87(2):320–6, Feb 76

Radiation damage in electron microscopy of organic materials: effect of low temperatures. Salih SM, et al. **J Microsc (Oxf)** 105(3):269–76, Dec 75

Experiments on the origin of molecular chirality by parity non-conservation during beta-decay. Bonner WA. **J Mol Evol** 4(1):23–39, 28 Nov 74

Neoplastic and life-span effects of chronic exposure to tritium. I. Effects on adult rats exposed during pregnancy. Cahill DF, et al. **J Natl Cancer Inst** 55(2):371–4, Aug 75

Neoplastic and life-span effects of chronic exposure to tritium. II. Rats exposed in utero. Cahill DF, et al. **J Natl Cancer Inst** 55(5):1165–9, Nov 75

The influence of prenatal x-irradiation on the activity of sRNA-aminoacyl synthetases in the developing rabbit brain. Wender M, et al. **J Neurochem** 26(1):17–23, JAN 76

Observations on the interactions of Schwann cells and astrocytes following X-irradiation of neonatal rat spinal cord. Blakemore WF, et al. **J Neurocytol** 4(5):573–85, Oct 75

Muon-induced visual sensations. McNulty PJ, et al. **J Opt Soc Am** 66(1):49–55, Jan 76

Comparative responses of radioattenuated Trypanosoma brucei and T. congolense in rats. Fregene AO, et al. **J Parasitol** 61(6):1070–3, Dec 75

Recovery of schistosomula in the skin of rhesus monkeys immunized with cercariae of Schistosoma japonicum exposed to high dose of x-irradiation. Hsü SY, et al. **J Parasitol** 61(6):1108–9, Dec 75

Effects of gamma radiation on development of Brugia pahangi in a susceptible strain of Aedes aegypti. Richey TJ, et al. **J Parasitol** 62(4):655–6, Aug 76

Intrauterine growth retardation. A new systematic approach based on the clinical and biochemical characteristics of this condition. Rosso P, et al. **J Perinat Med** 2(3):147–60, 1974 (64 ref.)

Spontaneous motility, EEG and sleep-wakefulness cycle disturbances in rats suffered from fetal X-irradiation. Kiyono S, et al. **J Physiol Soc Jpn** 37(1):4–6, 1 Jan 75

Characteristics of irradiated soft and hard tissues. Adisman IK. **J Prosthet Dent** 35(5):549–52, May 76

Effect of single and fractionated x-irradiation on maze learning ability of mice. Aoyama T, et al. **J Radiat Res (Tokyo)** 17(2):82–91, Jun 76

Mechanisms of the synergistic interaction between hyperthermia and radiation in cultured mammalian cells. Ben-Hur E. **J Radiat Res (Tokyo)** 17(2):92–8, Jun 76

Growth and development following prenatal and childhood exposure to atomic radiation. Blot WJ. **J Radiat Res (Tokyo)** 16 Suppl:82–8, Sep 75

The radioprotective effect against gamma-irradiation of methylene blue in the rat with reference to serum enzymes and pancreatic protein fractions examined by isoelectric focusing. Chung SO, et al. **J Radiat Res (Tokyo)** 16(4):211–23, Dec 75

Review of thirty years study of Hiroshima and Nagasaki atomic bomb survivors. II. Biological effects. F. Aging. Finch SC, et al. **J Radiat Res (Tokyo)** 16 Suppl:108–21, Sep 75

Unstable structure of ribosomal particles synthesized in gamma-irradiated Escherichia coli. Fujita H, et al. **J Radiat Res (Tokyo)** 16(2):113–9, Jun 75

Analyses of radioprotective action and cytotoxicity of various sulfhydryl compounds in cultured mouse L cells. Hikita M, et al. **J Radiat Res (Tokyo)** 16(3):162–72, Sep 75

Review of thirty years study of Hiroshima and Nagasaki atomic bomb survivors. II. Biological effects. B. Genetic effects. 1. Early genetic surveys and mortality study. Kato H. **J Radiat Res (Tokyo)** 16 Suppl:67–74, Sep 75

Characterization of free DNP induced by x-irradiation in rat spleen. Kator K. **J Radiat Res (Tokyo)** 16(4):193–202, Dec 75

Studies on c-AMP contents in sea urchin eggs fertilized with normal and x-irradiated sperm. Kimura H. **J Radiat Res (Tokyo)** 16(2):120–4, Jun 75

Change in radiosensitivity on the development of sea urchin eggs during the early cleavage stage. II. Protection against x-ray irradiation by cysteamine. Nakamura I. **J Radiat Res (Tokyo)** 16(4):203–10, Dec 75

Thermoluminescence studies on plant seeds of different radiosensitivity. Yamaguchi H, et al. **J Radiat Res (Tokyo)** 16(3):173–83, Sep 75

Inactivation of bacterial cells by cyclotron beam. Yatagai F, et al. **J Radiat Res (Tokyo)** 16(2):99–112, Jun 75

Radiation effects on rat testes. V. Studies on lysosomal enzymes (acid phosphatase and acid DNAse) and their physiological significance following partial body gamma-irradiation. Gupta GS, et al. **J Reprod Fertil** 44(2):223–33, Aug 75

Selective elimination of marrow precursors with the bone-seeking isotope 89Sr: implications for hemopoiesis, lymphopoiesis, viral leukemogenesis and infection. Bennett M, et al. **J Reticuloendothel Soc** 20(1):71–87, Jul 76

Induction of differentiation instabilities in Friend erythroleukemia. Rife LL, et al. **J Reticuloendothel Soc** 18(2):97–106, Aug 75

Cell-mediated immune response in head and neck cancer patients. Olivari A, et al. **J Surg Oncol** 8(4):287–94, 1976

Degradation of DNA in haemophilus influenzae cells after X-ray irradiation. II. Comparison with theoretical models. Randolph ML. **J Theor Biol** 60(01):59–91, 21 Jul 76

The energy dependence of electron radiation damage in l-valine. Howitt DG, et al. **J Ultrastruct Res** 55(3):457–61, Jun 76

Electron microscopy of frozen hydrated biological specimens. Taylor KA, et al. **J Ultrastruct Res** 55(3):448–56, Jun 76

Letter: Radiation exposure. Rawitch MA. **JAMA** 235(9):909, 1 Mar 76

Hypothyroidism after x irradiation to the neck: three case reports and a brief review of the literature. Adler RA, et al. **Johns Hopkins Med J** 138(5):180–4, May 76

The effect of ionizing radiation on calf thymus deoxyribonucleoprotein as a template for RNA synthesis. Hayashi M. **Jpn J Vet Res** 23(3):107, Jul 75

Ultrastructural and cellular damage to rat lung with x-rays – a search for target cell in lung tissue. Furuta I. **Kobe J Med Sci** 21(1):1–15, Mar 75

Restraining rats with radiation-induced tail damage. Hodges HD, et al. **Lab Anim Sci** 26(2 Pt l):244, Apr 76

Rhesus and African green monkey leukocyte response to steroids, antithymocyte globulin, and 60Co treatments. Petricciani JC, et al. **Lab Anim Sci** 26(1):51–6, Feb 76

Editorial: Radiation nephropathy. **Lancet** 2(7976):81, 10 Jul 76

Letter: Radiofrequency in the operating-theatre. Fox JW, et al. **Lancet** 1(7966):962, 1 May 76

Letter: Antenatal radiography and the ten-day rule. Kneale GW, et al. **Lancet** 1(7967):1021, 8 May 76

Letter: Radiation exposure during cardiac catheterisation. Lloyd DC, et al. **Lancet** 1(7964):854–5, 17 Apr 76

Two mechanisms for hypothyroidism after 131I therapy. Malone JF, et al. **Lancet** 2(7976):73–5, 10 Jul 76

Letter: Antenatal radiography and the ten-day rule. Mole RH. **Lancet** 1(7962):738–9, 3 Apr 76

Reproduction function in mice exposed to neonatal irradiation. Nash DJ, et al. **Life Sci** 19(2):183–91, 15 Jul 76

DNA repair in late-passage human cells. Hart RW, et al. **Mech Ageing Dev** 5(1):67–77, Jan–Feb 76

In vitro repair of UV-or x-irradiated bacteriophage T4 DNA by extract from blue-green alga Anacystis nidulans. Shestakov SV, et al. **Mol Biol Rep** 2(2):89–94, Jul 75

Proceedings: Specificity of mutagenic chemical carcinogens. de Serres FJ. **Mutat Res** 29(2):293, Aug 75

The radiosensitivities of lymphocytes from pig, sheep, goat and cow. Leonard A, et al. **Mutat Res** 36(3):319–32, Sep 76

Comparative mutagenic effects of ethyl methane-sulfonate, n-methyl-n'-nitro-n-nitrosoguanidine, ultraviolet radiation and caffeine on Dictyostelium discoideum. Liwerant IJ, et al. **Mutat Res** 33(2–3):135–46, Dec 75

Effects of low-dose X-irradiation and age of females on intra-uterine death in mice. Lüning KG, et al. **Mutat Res** 30(1):129–36, Oct 75

X-Ray-induced translocations in spermatoginia. II.Fractionation in mice. Preston RJ, et al. **Mutat Res** 36(3):333–44, Sep 76

DNA strained breakage repair in ataxia telangiectasia fibroblast-like cells. Vincent RA Jr, et al. **Mutat Res** 33(2–3):357–66, Dec 75

Control of postharvest decay in fruits and vegetables by irradiation. Ismail FA, et al. **Nahrung** 20(6):585–92, 1976

Absence of oxygen effect for induction of resistance to ionising radiation. Bryant PE. **Nature** 261(5561):588–90, 17 Jun 76

Stereoselectivity of beta irradiation of D,L-tryptophan in aqueous solution. Darge W, et al. **Nature** 261(5560):522–4, 10 Jun 76

Down's syndrome and related abnormalities in an area of high background radiation in coastal Kerala. Kochupillai N, et al. **Nature** 262(5563):60–1, 1 Jul 76

3H-concanavalin A binding of x-irradiated human fibroblasts. Köteles GJ, et al. **Nature** 259(5543):507–8, 12 Feb 76

Doubling potential of fibroblasts from different species after ionising radiation. Macieira-Coelho A, et al. **Nature** 261(5561):586–8, 17 Jun 76

Quantitative assessment of carcinogenic risks associated with 'hot particles'. Mayneord WV, et al. **Nature** 259(5544):535–8, 19 Feb 76

Hazards of plutonium with special reference to the skeleton. Spiers FW, et al. **Nature** 259(5544):531–4, 19 Feb 76 (45 ref.)

Is chromatid-type damage in ataxia telangiectasia after irradiation at G0 a consequence of defective repair? Taylor AM, et al. **Nature** 260(5550):441–3, 1 Apr 76

Mutation induction and inactivation in mammalian cells exposed to ionising radiation. Thacker J, et al. **Nature** 258(5534):429–31, 4 Dec 75

Variations in sensitivity of synchronized Chinese hamster cells to oxic and anoxic X-ray exposures. Siracká E, et al. **Neoplasma** 22(6):647–53, 1975

Light and electron microscopy of mouse lymphosarcoma LS/BL cells during the first hour after irradiation with x-rays. Tkadleček L, et al. **Neoplasma** 22(5):495–505, 1975

Preliminary report on the effects of localized head irradiation on the development of transplanted tumors in C3H/HeJ mice. Phillip MJ, et al. **Oncology** 31(3–4):203–8, 1975

The effect of gamma radiation on the cysticerci of Taenia solium. Verster A, et al. **Onderstepoort J Vet Res** 43(1):23–6, Mar 76

Editorial: Over-concern can equal hysteria--thyroid cancer. Tristan TA. **Pa Med** 79(2):49–51, Feb 76

Combined effects of x-ray and bleomycin in cancer cell survival. Matsuzawa T, et al. **Panminerva Med** 18(3–4):103–4, Mar-Apr 76

Effect of gamma-irradiation on oocysts of Eimeria necatrix. Singh J, et al. **Parasitology** 71(1):117–24, Aug 75

Immune expulsion of Trichuris muris from resistant mice: suppression by irradiation and restoration by transfer of lymphoid cells. Wakelin D, et al. **Parasitology** 72(1):41–50, Feb 76

DMBA-induced mammary tumours in locally irradiated rats. Torgersen O. **Pathol Eur** 10(4):277–86, 1975

Suppression of mouse-killing in rats following irradiation. OBoyle M. **Percept Mot Skills** 42(2):511–4, Apr 76

Synergistic killing effect in pre-UV-irradiated Micrococcus radiophilus. Lewis NF, et al. **Photochem Photobiol** 22(3–4):145–6, Sep-Oct 75

On the photochemistry of x-ray produced radicals trapped in frozen ethanol matrices. Moan J. **Photochem Photobiol** 22(3–4):111–5, Sep-Oct 75

X-ray sensitivity of photosynthetic and reproductive systems in Chlorella. Nokes MA, et al. **Photochem Photobiol** 21(4):265–8, Apr 75

Observations on the combined effect of ultrasound and x-rays on the growth of the roots of Zea mays. Hering ER, et al. **Phys Med Biol** 21(2):263–71, Mar 76

Quasi-elastic damage and energy degradation: approximate analytic model. Johnson RE. **Phys Med Biol** 21(3):434–8, May 76

Hit cross-sections in single target theory. Watt DE. **Phys Med Biol** 20(6):944–54, Nov 75

Cross-sections fo. the inactivation of ribonuclease by slow heavy ions. Watt DE, et al. **Phys Med Biol** 20(6):926–43, Nov 75

X-ray induced behavioral reactions and detection mechanisms in the shrimp. Kernek SP, et al. **Physiol Behav** 15(1):1–5, Jul 75

Dynamic characteristics of a metabolic reaction of mice with different responses to irradiation. Hošek B, et al. **Physiol Bohemoslov** 24(6):565–71, 1975

Plasma corticosterone secretion in rats after irradiation. Groza P, et al. **Physiologie** 12(1):53–5, 1975

Glucidic and lipidic metabolic changes in rats induced by irradiation and the effect of adrenalectomy. Groza P, et al. **Physiologie** 12(1):49–52, 1975

Changes in the activities of blood and tissue adenosinetriphosphatase and lactate dehydrogenase after exposure to 60Co gamma-rays in association with some drug treatments. Păușescu E, et al. **Physiologie** 13(1):61–6, Jan-Mar 76

Comparative study of the gamma-radiation-induced changes in the tissular levels of acyclic and cyclic adenosine phosphates. Păușescu E, et al. **Physiologie** 13(2):155–9, Apr-Jun 76 (Eng. Abstr.)

Researches regarding the effect of total x-ray irradiation on the collagen metabolism in rats. Vlădescu C. **Physiologie** 12(1):73–5, 1975

The effect of ionizing irradiation on the collagen general metabolism in normal and adrenalectomized rats. Vlădescu C, et al. **Physiologie** 12(4):309–11, 1975

Effect of gamma irradiation on biosynthetic potential of callus cultures of Tylophora indica. Benjamin BD, et al. **Planta Med** 29(1):37–40, Feb 76

Serotonin and proteolytic enzymes in brain of irradiated animals. Kocmierska-Grodzka D, et al. **Pol J Pharmacol Pharm** 27(Suppl):119–25, Oct 75

Effect of gamma radiation on the enzymatic activity of cell organelles of liver and epithelium of small intestine in rabbits. Kański M, et al. **Pol Med Sci Hist Bull** 15(5–6):607–16, Sep–Dec 75

[Effect of ionizing sterilization doses on the properties of plastics used in medical technology] Robalewski AM. **Polim Med** 5(4):293–9, 1975 (Eng. Abstr.) **(Eng, Pol)**

Destruction of Salmonella on poultry meat with lysozyme, EDTA, x-ray, microwave and chlorine. Teotia JS, et al. **Poult Sci** 54(5):1388–94, Sep 75

Production measurements affected by X-irradiation of chicken semen. Zartman DL, et al. **Poult Sci** 54(6):2025–30, Nov 75

The efficacy of prophylactic irradiation in altering renal allograft survival. Faber R, et al. **Proc Clin Dial Transplant Forum** (4):135–7, 1974

Enzymatic induction of DNA double-strand breaks in gamma-irradiated Escherichia coli K-12. Bonura T, et al.

Proc Natl Acad Sci USA 72(11):4265–9, Nov 75

Recombination in Saccharomyces cerevisiae: a DNA repair mutation associated with elevated mitotic gene conversion. Boram WR, et al. **Proc Natl Acad Sci USA** 73(8):2828–32, Aug 76

DNA strand breaks, repair, and survival in x-irradiated mammalian cells. Dugle DL, et al. **Proc Natl Acad Sci USA** 73(3):809–12, Mar 76

Radiation-induced mutations at mouse hemoglobin loci. Russell LB, et al. **Proc Natl Acad Sci USA** 73(8):2843–6, Aug 76

Protection of lethally irradiated mice with allogeneic fetal liver cells: influence of irradiation dose on immunologic reconstitution. Tulunay O, et al. **Proc Natl Acad Sci USA** 72(10):4100–4, Oct 75

Histological changes in cervical lymph nodes following clinical irradiation. Burge JS. **Proc R Soc Med** 68(2):77–9, Feb 75

Fast-neutron irradiation of mouse embryos in the pronuclear zygote stage: mortality curves and neoplastic diseases in 30-day postnatal survivors. Friedberg W, et al. **Proc Soc Exp Biol Med** 151(4):808–10, Apr 76

Evidence for the dark repair of ultraviolet damage in Saccharomyces cerevisiae mitochondrial DNA. Hixon SC, et al. **Proc Soc Exp Biol Med** 150(2):503–9, Nov 75

Mouse spleen lymphocyte bactericidal and peroxidase activities: enhancement by whole body x-irradiation. Paul BB, et al. **Proc Soc Exp Biol Med** 152(2):151–5, Jun 76

Changes in the composition of canine respiratory cells obtained by bronchial lavage following irradiation or drug immunosuppression. Reynolds HY, et al. **Proc Soc Exp Biol Med** 151(4):756–61, Apr 76

Heat-accelerated radioinactivation of attenuated poliovirus. Dugan VL, et al. **Radiat Environ Biophys** 12(3):187–95, 2 Oct 75

Biological damage from the Auger effect, possible benefits. Feinendegen LE. **Radiat Environ Biophys** 12(2):85–99, 18 Jun 75 (99 ref.)

Changes in DNA secondary structure after gamma-irradiation. Frey R, et al. **Radiat Environ Biophys** 12(2):111–8, 18 Jun 75

The action of ionizing radiation on DNA in the presence of quinacrine. II. DNA strand breakage. Hissung A, et al. **Radiat Environ Biophys** 12(1):13–22, 13 Jun 75

The action of ionizing radiation on DNA in the presence of quinacrine. I. UV absorption and fluorescence measurements. Hissung A, et al. **Radiat Environ Biophys** 12(1):5–12, 13 Jun 75

The action of ionizing radiation on DNA in the presence of quinacrine. III. E.S.R. study: spin transfer in gamma-irradiated lyophilized DNA-quinacrine complexes. Hissung A, et al. **Radiat Environ Biophys** 13(2):137–43, 30 Jul 76

Radiation effects of poly(L-glutamic acid) and poly(L-lysine) in the helix-coil transitional state. Ishikawa M, et al. **Radiat Environ Biophys** 13(2):115–23, 30 Jul 76

Late modifications of cephalic circulation in head x-irradiated rats. Keyeux A. **Radiat Environ Biophys** 13(2):125–35, 30 Jul 76

DNA-synthesis in synchronized L-cells after irradiation during the G1-phase of the cell cycle. König K, et al. **Radiat Environ Biophys** 12(1):23–30, 13 Jun 75

Selective radiolysis of enantiomers. Merwitz O. **Radiat Environ Biophys** 13(1):63–9, 30 Mar 76

Modifications of gamma-ray sensitivity of bacterial membrane by pre-exposure to light. Misiti-Dorello P, et al. **Radiat Environ Biophys** 13(1):19–26, 30 Mar 76

The influence of 241-Am and DTPA on morphometric parameters of the rat femur. Polig E. **Radiat Environ Biophys** 13(1):27–41, 30 Mar 76

Giant cells from Saccharomyces uvarum grown after x-irradiation. Rink H, et al. **Radiat Environ Biophys** 12(2):119–25, 18 Jun 75

Remarks on oxygen effects. Wideröe R. **Radiat Environ Biophys** 12(3):233–40, 2 Oct 75

Effect of dose rate and exposure time on the stimulation effect of tube growth of Pinus silvestris pollen. Zelles L, et al. **Radiat Environ Biophys** 12(1):81–4, 13 Jun 75

Induction, development, and inhibition of radiation-induced macrobodies. Adam WJ, et al. **Radiat Res** 63(3):434–42, Sep 75

Dose rate studies with fission spectrum neutrons. Ainsworth EJ, et al. **Radiat Res** 67(1):30–45, Jul 76

Letter: Temperature-dependent high-pressure argon effect on the radiolysis of water. Alkaitis SA, et al. **Radiat Res** 66(1):180–3, Apr 76

Radiation protection of hyaluronic acid in the solid state. Armand G, et al. **Radiat Res** 64(3):573–80, Dec 75

Effects of x irradiation on respiratory control and P/O ratio in isolated rat liver mitochondria having different respiratory control ratios. Atsuta J, et al. **Radiat Res** 66(2):427–32, May 76

The effect of radiation in vitro on erythropoietin action. Barcos M, et al. **Radiat Res** 66(3):541–51, Jun 76

Cell killing by gamma rays and beta particles from tritiated water and incorporated tritiated thymidine. Bedford JS, et al. **Radiat Res** 63(3):531–43, Sep 75

ESR of x-irradiated single crystals of 3'-cytidylic acid: hydrogen abstraction from C5' of the sugar moiety. Bernhard WA, et al. **Radiat Res** 66(1):19–32, Apr 76

ESR of hydrogen addition radicals in single crystals of 1-methylcytosine and 1-methyluracil. Bernhard WA, et al. **Radiat Res** 66(2):189–98, May 76

The reaction mechanism and rate constants in the radiolysis of Fe2+-Cu2+ solutions. Bjergbakke E, et al. **Radiat Res** 66(3):433–42, Jun 76

The influence of oxygen on the yield of DNA double-strand breaks in x-irradiated Escherichia coli K-12. Bonura T, et al. **Radiat Res** 63(3):567–77, Sep 75

Toxic effects upon bacteria of phosphate-buffered saline exposed in a high-frequency argon discharge. Brustad T, et al. **Radiat Res** 65(1):98–100, Jan 76

Long-lived species in irradiated N2O-flushed saline phosphate buffer, with toxic effect upon E. coli K-12. Brustad T, et al. **Radiat Res** 66(2):215–30, May 76

Effects of local irradiation on the excretion of sodium and water by the canine kidney. Buerkert J, et al. **Radiat Res** 66(2):346–62, May 76

Influence of agents that enhance lethal effects of radiation on the damage to bacterial membranes by x rays and ultraviolet light. Cancelliere G, et al. **Radiat Res** 64(3):593–601, Dec 75

Induction of chromosomal aberrations in human lymphocytes by x rays and fission neutrons: dependence on cell cycle stage. Carrano AV. **Radiat Res** 63(3):403–21, Sep 75

The inactivation of Chinese hamster cells by x rays: the effects of chemical modifiers on single- and double-events. Chapman JD, et al. **Radiat Res** 64(2):365–75, Nov 75

Renal function in the rat following irradiation. Chauser BM, et al. **Radiat Res** 67(1):86–97, Jul 76

Use of track-end alpha particles from 241Am to study radiosensitive sites in CHO cells. Datta R, et al. **Radiat Res** 65(1):139–51, Jan 76

Response of stem cells in the mouse testis to fission neutrons of 1 MeV mean energy and 300 kV x rays. Methodology, dose-response studies, relative biological effectiveness. de Ruiter-Bootsma AL, et al. **Radiat Res** 67(1):56–68, Jul 76

G2 block in Chinese hamster cells induced by x-irradiation, hyperthermia, cycloheximide, or actinomycin-D. Dewey WC, et al. **Radiat Res** 65(3):511–28, Mar 76

Kinetics of Syrian hamster cells during x-irradiation enhancement of transformation in vitro by chemical carcinogen. DiPaolo JA, et al. **Radiat Res** 66(2):310–25, May 76

The RBE of tritium radiation measured in mouse oocytes: increase at low exposure levels. Dobson RL, et al. **Radiat Res** 66(3):615–25, Jun 76

The effect of multiple small doses of x rays on skin reactions in the mouse and a basic interpretation. Douglas BG, et al. **Radiat Res** 66(2):401–26, May 76

The radiation chemistry of aqueous solutions of acetonitrile and propionitrile in the magarad dose range. Draganić IG, et al. **Radiat Res** 66(1):54–65, Apr 76

The radiation chemistry of aqueous solutions of hydrogen cyanide in the megarad dose range. Draganić ZD, et al. **Radiat Res** 66(1):42–53, Apr 76

The effect of precooling on the radiation sensitivity of the proliferating hair follicle. Dubravsky N, et al. **Radiat Res** 65(3):481–9, Mar 76

Response of the pronuclear mouse embryo to x-irradiation in vitro. DuFrain RJ, et al. **Radiat Res** 63(3):494–500, Sep 75

Dose rate, mitotic cycle duration, and sensitivity of cell transitions from G1 leads to S and G2 leads to M to protracted gamma radiation in root meristems. Evans LS, et al. **Radiat Res** 64(2):331–43, Nov 75

Platzman's analysis of the delivery of radiation energy to molecules. Fano U. **Radiat Res** 64(2):217–32, Nov 75

Pulse radiolysis studies of electron transfer reaction in molecules of biological interest. I. The reduction of a disulfide bridge by peptide radicals. Faraggi M, et al. **Radiat Res** 64(3):452–66, Dec 75

Pulse radiolysis studies of electron-transfer reaction in molecules of biological interest. II. The reduction of Cu(II)-peptide complexes. Faraggi M, et al. **Radiat Res** 65(2):238–49, Feb 76

Effect of heat and radiation on synchronous Chinese hamster cells: killing and repair. Gerweck LE, et al. **Radiat Res** 64(3):611–23, Dec 75

The inactivation of Chinese hamster cells by x rays: synchronized and exponential cell populations. Gillespie CJ, et al. **Radiat Res** 64(2):353–64, Nov 75

Acute lethality after fast-neutron and x-irradiation of Tribolium confusum. Glenn ND, et al. **Radiat Res** 65(1):120–9, Jan 76

The response of Chinese hamster ovary cells to fast neutron radiotherapy beams. I. Relative biological effectiveness and oxygen enhancement ratio. Gragg RL, et al. **Radiat Res** 65(1):71–82, Jan 76

Radiation response of clonogenic cell populations separated from fibrosarcoma. Grdina DJ, et al. **Radiat Res** 63(3):483–93, Sep 75

Radiation response of cell populations irradiated in situ and separated from a fibrosarcoma. Grdina DJ, et al. **Radiat Res** 66(3):634–43, Jun 76

Free radical formation in deoxythymidine-5'-monophosphate gamma-irradiated in frozen solution. A computer-assisted analysis of temperature-dependent ESR spectra. Gregoli S, et al. **Radiat Res** 65(2):202–19, Feb 76

Age-dependence of the x-ray-induced deficiency in DNA synthesis in HeLa S3 cells during Generation 1. Griffiths TD, et al. **Radiat Res** 63(3):501–30, Sep 75

Cell cycle dependent x-ray-induced death in Chlamydomonas reinhardi. Gruber HE, et al. **Radiat Res** 66(2):288–302, May 76

X-ray-induced division delay in Chlamydomonas reinhardi. Gruber HE, et al. **Radiat Res** 66(2):303–9, May 76

RBE as a function of neutron energy. I. Experimental observations. Hall EJ, et al. **Radiat Res** 64(2):245–55, Nov 75

The effect of N-ethylmaleimide on the response to x rays of synchronized HeLa cells. Han A, et al. **Radiat Res** 65(2):337–50, Feb 76

Energy per ion pair measurements in pure helium and helium mixtures. Harris SJ, et al. **Radiat Res** 66(1):11–8, Apr 76

Radiosensitivity of the flesh fly, Sarcophaga bullata (Parker), throughout larval and pupal life. Hauman CH, et al. **Radiat Res** 66(3):587–96, Jun 76

Letter: Effects of adriamycin on the radiation response of murine hematopoietic stem cells. Hellman S, et al. **Radiat Res** 67(1):162–7, Jul 76

Interaction of hyperthermia and radiation in CHO cells: recovery kinetics. Henle KJ, et al. **Radiat Res** 66(3):505–18, Jun 76

Chemical and conformational studies of gamma-irradiated solid lysozyme. Herbert SM, et al. **Radiat Res** 65(2):268–82, Feb 76

The role of hydroxyl radicals in radiation-induced single-strand breaks of bacterial DNA sensitized by parachloromercuribenzoate. Ho SK, et al. **Radiat Res** 67(2):277–85, Aug 76

The relationship of strain, sex, and body weight to survival following sublethal whole-body x-irradiation. Holland JM, et al. **Radiat Res** 66(2):363–72, May 76

Induced resistance in a desmid Closterium moniliferum. Howard A, et al. **Radiat Res** 65(3):540–9, Mar 76

Effect of x irradiation on spermatogonia at the fish, Oryzias latipes. Hyodo-Taguchi Y, et al. **Radiat Res** 67(2):324–31, Aug 76

Letter: The effect of oxygen on the radiation sensitivity of Artemia eggs: a preliminary result of OER on dry eggs. Iwasaki T, et al. **Radiat Res** 67(1):168–72, Jul 76

Changes in phospholipid composition of Escherichia coli following gamma- and uv-irradiation. Jacobson AF, et al. **Radiat Res** 66(2):247–66, May 76

Radiosensitivity of ileum crypt cells in hibernating, arousing, and awake ground squirrels (Citellus tridecemlineatus). Jaroslow BN, et al. **Radiat Res** 66(3):566–75, Jun 76

Extracorporeal irradiation of blood and lymph in adrenalectomized calves. Joel DD, et al. **Radiat Res** 67(3):502–7, Sep 76

Increased radiosensitivity of rat rhabdomyosarcoma cells induced by protracted irradiation. Kal HB, et al. **Radiat Res** 63(3):521–30, Sep 75

The radioprotective action on bone marrow CFU during immobilization of mice. Keizer HJ, et al. **Radiat Res** 66(2):326–36, May 76

RBE as a function of neutron energy. II. Statistical analysis. Kellerer AM, et al. **Radiat Res** 65(1):172–86, Jan 76

Molecular consequences of the Auger effect: the fate of iododeoxyuridine following iodine-125 decay. Keough G, et al. **Radiat Res** 67(2):224–34, Aug 76

The enhanced killing of irradiated HeLa cells in synchronous culture by hyperthermia. Kim SH, et al. **Radiat Res** 66(2):337–45, May 76

Radiolysis of benzonitrile. Knight JA. **Radiat Res** 65(3):423–9, Mar 76

Letter: ESR studies of gamma-irradiated wet DNA. Kominami S, et al. **Radiat Res** 67(1):173–7, Jul 76

Effects of x-irradiation on cell division, oxygen consumption, and growth medium pH of an insect cell line cultured in vitro. Koval TM, et al. **Radiat Res** 64(3):524–32, Dec 75

The effect of x irradiation on amino acid utilization in cultured insect cells. Koval TM, et al. **Radiat Res** 67(2):305–13, Aug 76

A model for energy deposition in liquid water. Kutcher GJ, et al. **Radiat Res** 67(3):408–25, Sep 76

Some effects of chronic tritium exposure during selected ages in the rat. Laskey JW, et al. **Radiat Res** 67(2):314–23, Aug 76

Letter: Intracellular cyclic AMP levels and radiosensitivity in synchronized V-79 cells. Lehnert S. **Radiat Res** 64(2):394–8, Nov 75

Early effects of single doses of 375 MeV/nucleon 20Neon ions on the skin of mice and hamsters. Leith JT, et al. **Radiat Res** 65(3):440–50, Mar 76

Modification and inhibition of repair of potentially lethal x-ray damage by hyperthermia. Li GC, et al. **Radiat Res** 67(3):491–501, Sep 76

Peritoneal exudate cells. III. Effect of gamma-irradiation on mouse peritoneal colony-forming cells. Lin H. **Radiat Res** 63(3):560–6, Sep 75

Time scale of radiation-induced oxygen depletion and decay kinetics of oxygen-dependent damage in cells irradiated at ultrahigh dose rates. Ling CC. **Radiat Res** 63(3):455–67, Sep 75

Enhancement of survival of irradiated plateau phase cells by dinitrophenol: effect of dose-rate and cell strain. Little JB, et al. **Radiat Res** 66(1):90–9, Apr 76

Effect of inhaled yttrium-90 in fused clay particles on the pulmonary clearance of inhaled Staphylococcus aureus in mice. Lundgren DL, et al. **Radiat Res** 66(2):231–46, May 76

The induction of lambda-prophage by ionizing radiation. Lydersen BK, et al. **Radiat Res** 64(2):237–44, Nov 75

Gamma-irradiation of lima bean protease inhibitor in dilute aqueous solutions. Lynn KR, et al. **Radiat Res** 65(1):41–9, Jan 76

Letter: Gamma-radiolysis of ribonuclease in association with DNA. Lynn KR. **Radiat Res** 66(3):644–8, Jun 76

Visual sensations induced by relativistic pions. McNulty PJ,

et al. **Radiat Res** 66(3):519–30, Jun 76

Increased intestinal mucosal turnover and radiosensitivity to supralethal whole-body irradiation resulting from cholic acid-induced alterations of the intestinal microecology of germfree CFW mice. Mastromarino AJ, et al. **Radiat Res** 66(2):393–400, May 76

Letter: Recovery of colony-forming ability of x-irradiated L cells by cell fusion. Megumi T. **Radiat Res** 67(1):178–83, Jul 76

Involvement of hydroxyl radicals in the release by ionizing radiation of a cell surface nuclease from Micrococcus radiodurans. Mitchel RE. **Radiat Res** 64(2):321–30, Nov 75

Letter: Origin of cell surface proteins released from Micrococcus radiodurans by ionizing radiation. Mitchel RE. **Radiat Res** 64(2):380–7, Nov 75

Ionizing radiation damage in Micrococcus radiodurans cell wall: release of polysaccharide. Mitchell RE. **Radiat Res** 66(1):158–69, Apr 76

Effects of x-radiation and urethane on survival and tumor induction in three strains of rats. Myers DK. **Radiat Res** 65(2):292–303, Feb 76

Letter: Chemical radiosensitization and quality of cellular damage in bacteria exposed to gamma rays. Nair CK, et al. **Radiat Res** 67(2):382–5, Aug 76

Prediction of radiosensitivity of a mouse from its physiological characteristics before x-irradiation. Nakamura W, et al. **Radiat Res** 65(3):500–10, Mar 76

Effects of x-irradiation on drug-metabolizing enzyme systems in liver microsomes of male and female rats. Nakazawa T, et al. **Radiat Res** 66(2):373–83, May 76

Letter: The effects of gamma radiation on solutions of acetylcholineasterase. Nayar GN, et al. **Radiat Res** 64(3):657–61, Dec 75

Biochemical effects of x-radiation on the retina of the albino rabbit. Newton JC, et al. **Radiat Res** 64(3):518–23, Dec 75

Hematological changes in irradiated cattle: a twelve-year study. Noonan TR, et al. **Radiat Res** 66(3):626–33, Jun 76

Sensitivity of ribosomal functions in Tetrahymena pyriformis to varying doses and dose rates of gamma-radiation. Oleinick NL, et al. **Radiat Res** 64(3):509–17, Dec 75

X-ray-induced inhibition of DNA synthesis in Chinese hamster ovary, human HeLa, and Mouse L cells. Painter RB, et al. **Radiat Res** 64(3):648–56, Dec 75

Repair of radiation-induced strand scissions in nuclear and mitochondrial DNAs in Tetrahymena pyriformis. Pasupathy K, et al. **Radiat Res** 66(1):147–57, Apr 76

The influence of whole-body irradiation on calcium and phospahte homeostasis in the rat. Pento JT, et al. **Radiat Res** 63(3):468–73, Sep 75

The influence of the lambda prophage on the action of the inducible inhibitor of postirradiation DNA degradation. Pollard EC, et al. **Radiat Res** 63(3):552–9, Sep 75

Tyrosine metabolism is gamma-irradiated rice moth, Corcyra cephalonica. Raghavan KG, et al. **Radiat Res** 67(1):46–55, Jul 76

Age response for line CHO Chinese hamster cells exposed to x-irradiation and alpha particles from plutonium. Raju MR, et al. **Radiat Res** 63(3):422–33, Sep 75

Letter: Human cell survival as a function of depth for a high-energy neon ion beam. Raju MR, et al. **Radiat Res** 65(1):191–4, Jan 76

Radiation chemistry of nucleotides: 8,5'-cyclonucleotide formation and phosphate release initiated by hydroxyl radical attack on adenosine monophosphates. Raleigh JA, et al. **Radiat Res** 65(3):414–22, Mar 76

Letter: A note on the effects of fractionation of high LET radiations. Rossi HH. **Radiat Res** 66(1):170–3, Apr 76

Delayed expression of the x-ray-induced depression of DNA synthesis rate in HeLa S3 cells. Saha BK, et al. **Radiat Res** 66(1):76–89, Apr 76

Hybridizability of gamma-irradiated lactic dehydrogenase. Saito M. **Radiat Res** 65(3):490–9, Mar 76

Radiolysis of aqueous solutions of difluorochloromethane. Salih IM, et al. **Radiat Res** 67(2):235–43, Aug 76

Average energy loss per ion pair formation by photon and electron impact on xenon between threshold and 90 eV. Samson JA, et al. **Radiat Res** 66(1):1–10, Apr 76

Arrest of metamorphosis induced by x rays in flesh fly, Sarcophaga peregrina. Sasaki S, et al. **Radiat Res** 67(2):361–70, Aug 76

Latent and persistent lethal injury in mouse salivary gland cells following gamma irradiation. Sasaki T. **Radiat Res** 67(1):104–13, Jul 76

Free radicals from purine nucleosides after hydroxyl radical attack. Schmidt J, et al. **Radiat Res** 65(2):220–37, Feb 76

Letter: An interpretation of radiation damage measurements in DNA bases. Schnabl H. **Radiat Res** 67(1):184–6, Jul 76

The relative effectiveness of fast neutrons in creating stable free radicals. Simmons JA, et al. **Radiat Res** 65(2):197–201, Feb 76

Radiosensitivity studies with woody plants. III. Predictions of limits of probable acute and chronic LD50 values from lognormal distributions of interphase chromosome volumes in gymnosperms. Sparrow AH, et al. **Radiat Res** 65(2):315–26, Feb 76

Effects of irradiation on stem cell response to differentiation inhibitors in the planarian Dugesia etrusca. Steele VE, et al. **Radiat Res** 67(1):21–9, Jul 76

Tritiated-thymidine induced changes in cell population kinetics in root meristems of Pisum sativum. Stetka DG, et al. **Radiat Res** 64(3):475–84, Dec 75

X-ray induced inactivation of the capacity for photosynthetic oxygen evolution and nitrate reduction in blue-green algae. Stevens SE Jr, et al. **Radiat Res** 63(3):395–402, Sep 75

Response of femoral and vertebral colony-forming units to 226Ra internal contamination in mice. Svoboda V, et al. **Radiat Res** 64(3):467–74, Dec 75

Effects of gamma irradiation of the structure and function of human hemoglobin. Szweda-Lewandowska Z, et al. **Radiat Res** 65(1):50–9, Jan 76

Letter: Susceptibility of X-ray-arrested HeLa S3 cells to additional arrest. Tolmach LJ, et al. **Radiat Res** 66(3):649–54, Jun 76

Strand breaks, base release, and postirradiation changes in DNA gamma-irradiated in dilute O2-saturated aqueous solution. Ward JF, et al. **Radiat Res** 66(3):485–98, Jun 76

Embryonic survival in rats exposed to gamma rays of helium ions on days 3–10 of gestation. Ward WF, et al. **Radiat Res** 67(1):69–81, Jul 76

Radiation chemical studies of the sensitizer Diamide. Whillans DW, et al. **Radiat Res** 64(3):416–30, Dec 75

Investigation of banding and colony forming characteristics of Escherichia coli B/r after exposure to radiation or heart. Yatvin MB, et al. **Radiat Res** 66(1):122–33, Apr 76

Radiation effects on testes. VI. 5' nucleotidase and adenosine triphosphatase following partial body gamma irradiation. Gupta GS, et al. **Radiobiol Radiother (Berl)** 16(2):221–34, 1975 (Eng. Abstr.)

[The fate of heterologous antigen (131I-HSA) in the organs of chickens exposed to total-body X-irradiation before a secondary antigenic stimulus (author's transl)] Proházka Z, et al. **Radiobiol Radiother (Berl)** 16(3):331–8, 1975

Modification of cancer cells radiosensitivity. III. Influence of the crabtree effect on radiosensitivity of yoshida sarcoma solid tumours. Watras J, et al. **Radiobiol Radiother (Berl)** 16(5):581–7, 1975

Relationship between RBE and depth dose for 23-MeV electrons. Vaeth JM, et al. **Radiol Clin (Basel)** 44(5):464–9, 1975

Elective whole lung irradiation. Caldwell WL. **Radiology** 120(3):659–66, Sep 76

Effects of negative pi mesons on mouse bone marrow cells. Carlson DE, et al. **Radiology** 120(1):213–5, Jul 76

Effects of irradiation on the eye. Chan RC, et al. **Radiology** 120(3):673–5, Sep 76

Mammary carcinoma cell population growth in preirradiated and unirradiated transplant sites. Viable tumor growth, vascularity, and the tumor-bed effect. Clifton KH, et al. **Radiology** 117(2):459–65, Nov 75

Cell population kinetics in radiation therapy: relationship of cellular surviving fraction to RBE and OER. Cohen L. **Radiology** 114(1):213–7, Jan 75

Mammalian cell survival response following irradiation with 4 MeV X rays or accelerated helium ions combined with hyperthermia. Gerner EW, et al. **Radiology** 119(3):715–20, Jun 76

The metal/tissue interface effect in irradiation of the oral cavity. Gibbs FA, et al. **Radiology** 119(3):705–7, Jun 76

Anticipation of dental anomalies induced by radiation therapy. Guggenheimer J, et al. **Radiology** 117(2):405–6, Nov 75

Radiobiological properties of high-energy cyclotron-produced neutrons used for radiotherapy. Hall EJ, et al. **Radiology** 117(1):173–8, Oct 75

Hyperthermia: biological studies at the cellular level. Harisiadis L, et al. **Radiology** 117(2):447–52, Nov 75

The effect of hyperthermia on the repair of radiation damage in plateau phase cells. Harris JR, et al. **Radiology** 119(1):227–9, Apr 76

Cell cycle progression of murine sarcoma cells after x irradiation or heat shock. Kal HB, et al. **Radiology** 117(1):215–7, Oct 75

Exposure of radiologists to scattered radiation during radiodiagnostic examinations. Kan K, et al. **Radiology** 119(2):455–7, May 76

Evaluation of times of maximal involvement for early skin reactions following x irradiation combined with hyperthermic treatment. Leith JT. **Radiology** 119(2):475, May 76

Fast neutron and x-ray induced single strand DNA breaks in cultured mammalian cells. Moss AJ Jr, et al. **Radiology** 119(2):459–61, May 76

A fast neutron source for cultured cell irradiation. Prior RM, et al. **Radiology** 119(2):463–5, May 76

The effects of radiation therapy on bone growth. Probert JC, et al. **Radiology** 114(1):155–62, Jan 75

The radioprotective effects of vasopressin on the gastrointestinal tract of mice. Rappleye AT, et al. **Radiology** 117(1):199–203, Oct 75

Time/dose relationships in experimental radiation cataractogenesis. Schenken LL, et al. **Radiology** 117(1):193–8, Oct 75

The modification of gastrointestinal tolerance and responses to abdominal irradiation by chemotherapeutic agents. Schenken LL, et al. **Radiology** 120(2):417–20, Aug 76

The modification of gastrointestinal tolerance and responses to abdominal irradiation by chemotherapeutic agents. Schenken LL, et al. **Radiology** 120(2):417–20, Aug 76

Effect of irradiation on immune responses. Stewart CC, et al. **Radiology** 118(1):201–10, Jan 76 (78 ref.)

Repair of potentially lethal radiation damage in acute and chronically hypoxic tumor cells in vivo. Urano M, et al. **Radiology** 118(2):447–51, Feb 76

Cell cycle redistribution as a factor in multifraction irradiation. Withers HR. **Radiology** 114(1):199–202, Jan 75

Radiation-induced enzyme efflux from rat heart: sedentary animals. MacWilliam LD, et al. **Recent Adv Stud Cardiac Struct Metab** 9:447–60, 1976

Analysis of irradiated material. Setlow RB. **Res Prog Org Biol Med Chem** 3 Pt 1:71–99, 1972 (76 ref.)

Photodynamic effects on molecules of biological importance: amino acids, peptides and proteins. Spikes JD, et al. **Res Prog Org Biol Med Chem** 3 Pt 1:124–36, 1972 (82 ref.)

Resistance in cattle to Fasciola hepatica induced by gamma-ray attenuated larvae: results from a controlled field trial. Nansen P. **Res Vet Sci** 19(3):278–83, Nov 75

Effects of gama-radiation on eggs of Pomacea haustrum (Reeve, 1843) from the Pampulha lake, Belo Horizonte, M. G. (prosobranchia, Pilidae). Dos Santos Carvalho O, et al. **Rev Bras Biol** 34(4):565–71, 1974

Dynamics of alpha-tocopherol during irradiation, under conditions of enhanced metabolism and in haematopoiesis. Hrubá F, et al. **Rev Czech Med** 22(1):45–59, 1976

The Edinburgh Thorotrast series – report of a cytogenetic study. Buckton KE, et al. **Riso Rep** (294):114–25, Jun 73

Chromosome aberrations caused by Thorotrast. Kemmer W, et al. **Riso Rep** (294):104–13, Jun 73

The stability of leukemogenic risk in human marrow irradiated by alpha rays. Marinelli LD. **Riso Rep** (294):303–7, Jun 73

The skeletal dose from 224Ra following intravascular administration of thorotrast. Rowland RE, et al. **Riso Rep** (294):95–103, Jun 73

The elimination of N-methyl-14C-pethidine and its radioactive metabolites in irradiated rats. Chmelar V, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 17(3):223–31, 1974

Effect of ionizing radiation on aromatic amino acid decarboxylase activity of rat brain and its major regions. Drŝata J, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 17(3):155–63, 1974

Human granulocytopoietic colonies in diffusion chambers in mice: growth of colonies and the effect of host irradiation. Jacobsen N, et al. **Scand J Haematol** 16(2):101–11, Feb 76

The immunosuppressive effect of extracorporeal irradiation of the blood evaluated by blast transformation and membrane immune fluorescence tests. Birkeland SA, et al. **Scand J Immunol** 5(1–2):117–27, 1976

The immunosuppressive effect of extracorporeal irradiation of the blood using a portable 90Sr–90Y source and small transit doses. Birkeland SA. **Scand J Immunol** 5(4):323–9, 1976

Extracorporeal irradiation of thoracic duct lymph as immunosuppressive treatment in rheumatoid arthritis. Edgren J, et al. **Scand J Rheumatol** 5(2):108–12, 1976

Radiation load of kidney transplant recipients caused by radiodiagnostics. Edgren J. **Scand J Urol Nephrol** (29 Suppl):83–4, 6–7 Mar 75

Antihistamines block radiation-induced taste aversions. Levy CJ, et al. **Science** 186(4168):1044–6, 13 Dec 74

Long-term survival of skin allografts in mice treated with fractionated total lymphoid irradiation. Slavin S, et al. **Science** 193(4259):1252–4, 24 Sep 76

Effect of gamma-irradiation on cholesterol of chicken brain. Bawa SR, et al. **Strahlentherapie** 151(2):162–4, Feb 76

Behaviour of intestinal lactase after irradiation. Becciolini A, et al. **Strahlentherapie** 150(2):145–8, Aug 75

Effect of radiophosphorus on the developing endocrine glands of Swiss albino mice. I. A study on the thyroid gland. Dev PK, et al. **Strahlentherapie** 151(3):258–73, Mar 76

Liver dysfunction following whole-body Co-60 irradiation in gerbil (Meriones Hurrianae Jerdon) and house rat (Rattus rattus Rufescens). Dixit VP, et al. **Strahlentherapie** 152(2):183–6, Aug 76

Dose contribution to regional lymph nodes from gynecological remote afterloading cobalt-60 sources. Fodor J, et al. **Strahlentherapie** 151(5):443–8, May 76 (Eng. Abstr.)

Late effects in the central nervous system. A study of biochemical alterations after local exposure of the rat brain to 2 krd. Gerber GB, et al. **Strahlentherapie** 151(6):530–40, Jun 76

Radiation effects on rat testes. IX. Studies on oxidative enzymes after partial body gamma irradiation. Gupta GS, et al. **Strahlentherapie** 150(2):158–61, Aug 75

Intestinal ultrastructure after prolonged use of an elemental diet. Hugon JS. **Strahlentherapie** 151(6):541–8, Jun 76

Radiation effects on alkaline phosphatase and glucose-6-phosphatase in anatomically different regions of mouse intestine. Kaur A, et al. **Strahlentherapie** 150(4):427–32, Oct 75

Different radiosensitivity of hematopoietic cells in chick-embryos. Knežević ZA, et al. **Strahlentherapie** 150(1):70–5, Jul 75

Investigations on the relations between the biochemical changes in the brain and behaviour of irradiated rats. Koćmierska-Grodzka D, et al. **Strahlentherapie** 150(1):102–8, Jul 75

Hydro-proteolytic activity in rat's pancreas after irradiation. Koćmierska-Grodzka D, et al. **Strahlentherapie** 150(1):80–6, Jul 75

Influence of trichlorfon and fractionated irradiation on hydroproteolytic activity of pancreas and intestinal tissues of rats. Koćmierska-Grodzka D. **Strahlentherapie** 151(3):278–84, Mar 76

The influence of x-rays, vitamin A and protease inhibitor on the hydroproteolytic activity and serotonin content in pancreas and intestine of rats. Koćmierska-Grodzka D. **Strahlentherapie** 151(6):562–70, Jun 76

Studies on the effect of Fenchlorphos on postirradiation

changes of serum proteins and nucleic acids content in rat liver. Maćkowiak J, et al. **Strahlentherapie** 150(1):97–101, Jul 75

The hematological effects of irradiation on the Indian desert gerbil (Meriones hurrianae Jerdon). Malhotra N, et al. **Strahlentherapie** 150(3):344–9, Sep 75

Stimulation and inhibition of erythropoiesis in donors and hematopoietic effect in irradiated recipient. Ninkov V, et al. **Strahlentherapie** 151(3):247–52, Mar 76

Quantitative cytochemical studies of the RNA in the spinal cord of gamma-irradiated mice. Olkowski ZL, et al. **Strahlentherapie** 150(1):76–9, Jul 75

T-lymphocyte levels in the peripheral blood of gamma irradiated rhesus monkeys. Olkowski ZL, et al. **Strahlentherapie** 150(1):63–9, Jul 75

Effect of radiophosphorus on chromosomes in swiss albino mice during postnatal development. Pasahan SC, et al. **Strahlentherapie** 150(6):603–7, Dec 75

Dynamics of the changes in the tissular levels of cyclic AMP after cobalt-60 gamma-irradiation. Păusescu E, et al. **Strahlentherapie** 151(2):165–71, Feb 76

Radioprotection of whole-body gamma irradiation induced alterations in lipid metabolism of liver and plasma by AET (S-2, aminoethyl isothiuronium Br. H. Br.) and serotonin in rats. Ramanathan R, et al. **Strahlentherapie** 150(4):433–43, Oct 75

Radioprotection of liver lipids of whole-body gamma-irradiated female rats by cystamine. Ramanathan R, et al. **Strahlentherapie** 151(1):69–77, Jan 76

Effect of whole body gamma irradiation on fatty acid composition of liver lipids of female rats and radioprotection by cystamine. Ramanathan R, et al. **Strahlentherapie** 151(6):555–61, Jun 76

Effect of low dose x-irradiation on the succinate dehydrogenase activity of guinea pig, rat and mouse tissues. Shah VC, et al. **Strahlentherapie** 152(1):83–91, Jul 76

Effects of irradiation on the release and retention of labelled DNA in the small intestine of mice. Suciu D, et al. **Strahlentherapie** 150(2):149–53, Aug 75

Release and retention of labelled DNA in the thymus and spleen of irradiated mice. Suciu D, et al. **Strahlentherapie** 151(2):156–61, Feb 76

Protective effect of a mixture of radioprotector substances (mexamine and cystamine) on the haematopoietic stem cells of mice. Vacek A, et al. **Strahlentherapie** 150(3):336–43, Sep 75

Electron-microscopic and isotopic evidence for a difference between the radiobiological effects of iodine-131 and iodine-125. Lewitus Z, et al. **Strahlentherapie [Sonderb]** 74:44–51, 1975

Induction of tolerance to cardiac allografts by irradiation and bone marrow transplantation. Boyd AD, et al. **Surg Forum** 26:304–5, 1975

Effect of combined cancer therapy on the intact liver. Grosfield JL, et al. **Surg Forum** 26:426–8, 1975

Induction of generalized shwartzman reaction(GSR) in irradiated rabbits by a single injection of endotoxin. Wronowski T, et al. **Thromb Res** 8(4):501–12, Apr 76

Use of high dose X-irradiation to block back stimulation in the MLC reaction. Sasazuki T, et al. **Tissue Antigens** 7(2):91–6, Feb 76

Wound healing in X-irradiated mammalian skin. Gonsalves NI, et al. **TIT J Life Sci** 5(3–4):77–86, 1975

Responsiveness of growth hormone release in acromegalics after irradiation or hypophysectomy. Aida M, et al. **Tohoku J Exp Med** 120(1):91–6, Sep 76

Kinetics of microcolonies of cultured mammalian cells after gamma irradiation. Sakka M, et al. **Tohoku J Exp Med** 117(4):299–309, Dec 75

Effect of radiation therapy on facial nerve cable autografts. McGuirt WF. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 486–98, Jul–Aug 76

The effect of x-irradiation on the coelomic cells of the tubificid Limnodrilus hoffmeisteri. Block EM, et al. **Trans Am Microsc Soc** 95(1):23–34, Jan 76

Relative effectiveness of neutron and gamma radiation of trypanosomes for immunizing mice against African trypanosomiasis. Duxbury RE, et al. **Trans R Soc Trop Med Hyg** 69(5–6):484–5, 1975

Impaired growth of a radiation-induced lymphoma in intact or lethally irradiated allogeneic athymic (nude) mice. Bonmassar E, et al. **Transplantation** 20(4):343–6, Oct 75

The effect of X-irradiation upon the fate of cancellous bone allografts in inbred rats. Elves MW. **Transplantation** 22(1):31–6, Jul 76

Sera from irradiated rabbits as a source of complement for immune cytolysis assays. Walker WS, et al. **Transplantation** 20(3):260–2, Sep 75

Hyperplasia in Chinese hamster livers after chronic hepatic beta-irradiation. Benjamin SA, et al. **Vet Pathol** 12(1):64–5, 1975

X-ray potentiation of MuLV infection in vitro. Gelmann EP, et al. **Virology** 69(2):561–9, Feb 76

Effects of radiophosphorus decay in bacteriophage T4D. II. The mechanism of marker rescue. Levy JN. **Virology** 68(1):14–26, Nov 75

Effects of Radiophosphorus decay in bacteriophage T4D, I. The mechanism of phage inactivation. Levy JN. **Virology** 68(1):1–13, Nov 75

Cell division requirement for activation of murine leukemia virus in cell culture by irradiation. Otten JA, et al. **Virology** 70(1):80–7, Mar 76

Production of nutritionally-deficient mutants of the axenic blue-green alga Anabaena flos-aquae NRC-44-1 by ultraviolet irradiation. Kumar HD, et al. **Z Allg Mikrobiol** 15(5):379–81, 1975

Radiation chemistry of DNA, II. Strand breaks and sugar release by gamma-irradiation of DNA in aqueous solution. The effect of oxygen. Dizdaroglu M, et al. **Z Naturforsch [C]** 30(6):826–8, Nov–Dec 75

Acid-soluble deoxynucleotides and DNA synthesis in growing yeast after x-irradiation, II. Synthesis of deoxynucleoside tri- and monophosphates in synchronized and asynchronously growing cells. Eckstein H, et al. **Z Naturforsch [C]** 29(5–6):272–82, May–Jun 74

Gamma-radiolysis of aqueous solution of proline. Kopoldová J, et al. **Z Naturforsch [C]** 30(4):474–7, Jul–Aug 75

Effect of high altitude cosmic radiation on desmids. Vidyavati, et al. **Zentralbl Bakteriol [Naturwiss]** 130(3):285–92, 1975

Drying and irradiation of calf and horse serum. II. Influence on mycoplasma content of the calf sera. Jurmanová K, et al. **Zentralbl Bakteriol [Orig A]** 231(4):514–8, May 75

Drying and irradiation of calf and horse serum. I. Influence on the growth of cell cultures and mycoplasmas. Veber P, et al. **Zentralbl Bakteriol [Orig A]** 231(4):508–13, May 75

[Probable participation of certain elements of the natural radioactive background in the etiopathogenesis of climacteric hemorrhagic metropathy] Bakurdzhiev D, et al. **Akush Ginekol (Sofiia)** 15(1):52–6, 1976 (Eng. Abstr.) **(Bul)**

[Radiation effects in early pregnancy as a medical indication for its artificial interruption] Dakov L, et al. **Akush Ginekol (Sofiia)** 15(2):120–6, 1976 (Eng. Abstr.) **(Bul)**

[Influence of gamma-rays on the general acidity and the water-soluble fatty acids of swine and cattle fats] Iordanov I. **Vet Med Nauki** 12(8):8–14, 1975 (Eng. Abstr.) **(Bul)**

[Organoleptic changes in beef and pork fats following gamma-ray irradiation] Iordanov I. **Vet Med Nauki** 13(2):66–71, 1976 (Eng. Abstr.) **(Bul)**

[The effect of ionizing radiation on the virulence of Babesia ovis (I)] Khalacheva M. **Vet Med Nauki** 11(9):77–83, 1974 (Eng. Abstr.) **(Bul)**

[Study of the immunogenic capacity of the oocytes of E. tenella following irradiation with gamma rays] Penev P, et al. **Vet Med Nauki** 12(5):111–5, 1975 (Eng. Abstr.) **(Bul)**

[Changes in the liver mitochondria due to gamma-ray irradiation of hen embryos and chickens] Todorov B. **Vet Med Nauki** 12(5):106–10, 1975 (Eng. Abstr.) **(Bul)**

[Effect of stimulating doses of ionizing radiation on the stability of the liver mitochondria of chick embryos and chicks] Todorov B. **Vet Med Nauki** 13(3):37–41, 1976 (Eng. Abstr.) **(Bul)**

[Effect of irradiation on the level of ADH and on the activity of adenyl cyclase, phosphodiesterase and protein kinase] Klenerová V, et al. **Cesk Fysiol** 24(6):539–42, 1975 **(Cze)**

[Damage of the human cornea through massive doses of contact x-ray irradiation of the eyelids] Vrabec F. **Cesk Oftalmol** 32(2):88–91, Mar 76 (Eng. Abstr.) **(Cze)**

[Iron distribution changes in rats after x-irradiation of the whole body (author's transl)] Prouza Z, et al. **Sb Lek** 77(7):218–24, Jul 75 (Eng. Abstr.) **(Cze)**

[Dynamics of early changes in the white component of the peripheral blood of whole-body irradiated cattle] Janecek J, et al. **Vet Med (Praha)** 20(12):733–9, Dec 75 (Eng. Abstr.) **(Cze)**

[Effect of X-radiation on the metabolism of rat erythrocytes] Prokes J, et al. **Vet Med (Praha)** 20(12):705–13, Dec 75 (Eng. Abstr.) **(Cze)**

[Comparative study on the transplantability of various hemopoietic-tissue cells in irradiated mice] Fiala J, et al. **Vnitr Lek** 21(9):845–51, Sep 75 (Eng. Abstr.) **(Cze)**

[Variations in teratogenic effects observed in chrysalids of Bombyx mori developed from x-irradiated larvae] Coulon M. **Arch Anat Microsc Morphol Exp** 63(4):337–48, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[Change in rabbit blood lymphocyte count after repeated extracorporeal irradiation with cesium 137. Comparison of heparin and acenocoumarol effects] Pompidou A, et al. **Biomedicine [Express]** 23(9):370–3, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Repeated extracorporeal irradiation of rabbit blood (RECIB). Effect on lymphocytes] Pompidou A, et al. **Biomedicine [Express]** 23(8):309–14, 20 OCT 75 (Eng. Abstr.) **(Fre)**

[Immunological study in cancer of the breast] Daban A, et al. **Bull Cancer (Paris)** 62(1):21–8, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Influence of treatment with ionizing radiations on the immune response of cancer patients] Dubois JB, et al. **Bull Cancer (Paris)** 62(1):11–20, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Cytochemical analysis of muscle cell histones of Triturus cristatus limbs a) in normal regeneration, b) in regeneration arrested by r-irradiation, and c) in regeneration restored by implants] Desselle JC. **C R Acad Sci [D] (Paris)** 282(3):301–4, 19 Jan 76 (Eng. Abstr.) **(Fre)**

[Formation, by gamma irradiation, of RNA-protein cross-links in E. coli ribosomes] Ekert B, et al. **C R Acad Sci [D] (Paris)** 282(10):1053–6, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Comparison of lethal effects induced by 645 Mev helions and gamma rays on cancer cells or mice] Guichard M, et al. **C R Acad Sci [D] (Paris)** 279(25):1959–62, 16 Dec 74 **(Fre)**

[Radio-restoration by yeast s-RNA and its nucleotides of plant tissues cultured in vitro. Restorative activity of yeast s-RNA and a mixture of its nucleotides on the growth of Sorconera crown-gall tissue cultures] Jonard R, et al. **C R Acad Sci [D] (Paris)** 280(6):803–5, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Demonstration by the analysis of principal components of the of the equivalence of two models of clonal survival] Lachet B, et al. **C R Acad Sci [D] (Paris)** 282(7):667–9, 16 Feb 76 (Eng. Abstr.) **(Fre)**

[Radiorestoration of plant tissue cultures in vitro by yeast s-RNA and its nucleotides. The active factor of yeast s-RNA is contained in its mononucleotide fraction] Ravelomanana D, et al. **C R Acad Sci [D] (Paris)** 280(8):1047–50, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[The effect of irradiation conditions on the radioinduced acidity of solid phase glucose] Rigouard A, et al. **C R Acad Sci [D] (Paris)** 280(6):763–6, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[X-ray effect on the moratility of ubescent subjects and female fertility in the amphipode crustacea Orchestia gammarellus (Pallas)] Saiag B. **C R Acad Sci [D] (Paris)** 282(22):1979–82, 14 Jun 76 (Eng. Abstr.) **(Fre)**

[Immuno-cyto-adhesion and sublethal irradiation] Beaumariage ML, et al. **C R Soc Biol (Paris)** 169(2):459–63, 1975 (Eng. Abstr.) **(Fre)**

[Influence of a sublethal irradiation on the immune response of the mouse to sheep erythrocytes] Beaumariage ML, et al. **C R Soc Biol (Paris)** 169(3):717–23, 1975 (Eng. Abstr.) **(Fre)**

[Change in rabbit plasma lipoprotein lipase activity after cephalic irradiation] Carton M, et al. **C R Soc Biol (Paris)** 169(5):1371–6, 1975 (Eng. Abstr.) **(Fre)**

[Influence of radiation on plasma lecithin-cholesterol acyltransferase in rats] Dousset N, et al. **C R Soc Biol (Paris)** 169(2):440–3, 1975 (Eng. Abstr.) **(Fre)**

[Radiobiological studies on the behavior of normal and tumorous plant tissues cultivated in vitro] Jonard R, et al. **C R Soc Biol (Paris)** 169(3 Suppl):759–65, 1975 (Eng. Abstr.) **(Fre)**

[Influence of cosmic radiation at high altitude on duration of the cell cycle] Soleilhavoup JP, et al. **C R Soc Biol (Paris)** 169(2):426–9, 1975 (Eng. Abstr.) **(Fre)**

[Influence of x-rays on depolymerization of lathyric collagen fibers reconstituted in vitro] Van Caneghem P, et al. **C R Soc Biol (Paris)** 169(1):242–5, 1975 (Eng. Abstr.) **(Fre)**

[Variables and parameters of relevance in the study of the effects of low-level radiation (author's transl)] pp. 275–301. Delattre P.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975. (Eng. Abstr.) **(Fre)**

[Procedure for model studies within a theoretical framework suited to the study of the effects of low-level radiation (author's transl)] pp. 303–17. Delforge J.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975. (Eng. Abstr.) **(Fre)**

[Bacteriostatic activity of various antibiotics after gamma-ray irradiation] pp. 239–51. Fleurette J, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Fre)**

[Effect of gamma rays from 60Co on the in vitro incorporation of palmitic acid in lipids of rat liver microsomes] Magdalou J, et al. **Int J Radiat Biol** 29(1):27–35, Jan 76 (Eng. Abstr.) **(Fre)**

[Cellular lesions induced by external and internal radiation sources] Goutier R. **J Belge Radiol** 55(2):253–62, Mar–Apr 72 (Eng. Abstr.) **(Fre)**

[Study of blood, liver and surrenal functions by action of pulsed short wave diathermy (author's transl)] Mindlin A, et al. **J Belge Rhumatol Med Phys** 30(5–6 SPEC NO):324–9, Sep–Dec 75 (Eng. Abstr.) **(Fre)**

[In vivo analysis of calcium content by localized neutronic radioactivation using a source of californium 252. Value in renal osteodystrophy] Zech P, et al. **J Urol Nephrol (Paris)** 82(4–5):315–9, Apr–May 76 **(Fre)**

[Physiological mechanisms of chemical radiation-protective agents] Gheorghe N, et al. **Physiologie** 13(1):67–72, Jan–Mar 76 **(Fre)**

[Circadian variations of the activity and induction of tyrosine aminotransferase after x-irradiation] Stefan M, et al. **Physiologie** 12(3):229–31, 1975 **(Fre)**

[Effects of radiotherapy on plasma T 1/2 59Fe in patients with lung cancer and lymphomas] Balikdjian D, et al. **Strahlentherapie** 150(2):127–33, Aug 75 (Eng. Abstr.) **(Fre)**

[Effects of lethal overexposure on gastric secretion in the pig] Rémy J, et al. **Strahlentherapie** 150(5):532–8, Nov 75 (Eng. Abstr.) **(Fre)**

[Differential radiosensitivity of the germ cells in Drosophila hydei males, lethal rates and the relevance of the species-specific genetic organization (author's transl)] Frei H. **Arch Genet (Zur)** 47(3):136–71, 1974 (Eng. Abstr.) **(Ger)**

[Conformational changes before and after DNA synthesis increase cytogenetically lethal radiation damage] Hagemann C, et al. **FEBS Lett** 60(2):388–90, 15 Dec 75

(Eng. Abstr.) (Ger)

[The question of a combined effect of a chemical mutagen and radiation sterilized feed in mutagenicity and reproduction tests in the mouse] Renner HW. **Food Cosmet Toxicol** 13(4):427–31, Aug 75 (Eng. Abstr.) (Ger)

[Isotope nephrographic investigations after experimental unilateral fractionated irradiation of a kidney (author's transl)] Voigt R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):113–5, Aug 75 (Ger)

[The effect of radiotherapy on blood clotting and thrombocyteaggregation in patients with gynecological carcinomas (author's trans)] Stosiek U. **Geburtshilfe Frauenheilkd** 35(6):483–8, Jun 75 (Eng. Abstr.) (Ger)

[Activity of DNA synthesis in irradiated and non-irradiated kidney carcinoma] Carl P, et al. **Helv Chir Acta** 43(3):303–8, Jul 76 (Ger)

[Letter: Effect of x-rays on the Indian stick insect (Carausius morosus BR.)] Beissler G, et al. **Int J Radiat Biol** 28(4):391–2, Oct 75 (Ger)

[Microscopic examination of unused synthetic suturing material before and after ray-treatment (author's transl)] Doden W, et al. **Klin Monatsbl Augenheilkd** 167(2):291–4, Aug 75 (Eng. Abstr.) (Ger)

[Effects of ionizing radiation on ascorbic acid content in the rabbit vitreous body] Zygulska-Mach H, et al. **Klin Monatsbl Augenheilkd** 165(6):892–4, Dec 74 (Eng. Abstr.) (Ger)

[On the effect of ionized rays on the total protein content and on the activity of aldolase and glutamic acid-oxaloacetic acid-transaminase in the rabbit vitreous (author's transl)] Zygulska-Mach H, et al. **Klin Monatsbl Augenheilkd** 165(5):762–6, Nov 74 (Eng. Abstr.) (Ger)

[Proceedings: Radiation induced fibroses] Nolte D. **Med Klin** 70(23):1000, 6 Jun 75 (Ger)

[New methods for evaluation and analysis of organoleptic qualities of foods and for calculation of changes. 9. Dependence of irradiation flavor of apple juice and concentrate on the gamma radiation dose] Herrmann J, et al. **Nahrung** 20(6):619–27, 1976 (Eng. Abstr.) (Ger)

[New methods for analysis and evaluation of sensory qualities of foods and calculation of changes. 10. Quantitative titrimetric determination of irradiation flavor in apple juice and concentrate and its dependence on radiation dosage] Herrmann J, et al. **Nahrung** 20(7):725–33, 1976 (Eng. Abstr.) (Ger)

[The influence of gamma rays on diphenhydramine hydrochloride] Altorfer H, et al. **Pharm Acta Helv** 50(11):329–36, 1975 (Ger)

[The effect of high energy radiation on a polyethyleneglycol-water-system] Hüttenrauch R, et al. **Pharmazie** 29(11):755–6, 1975 (Ger)

[The effect of high energy radiation on oil and oil-like substances] Hüttenrauch R, et al. **Pharmazie** 31(2):110–4, 1976 (Ger)

[The effect of sterilizing doses of gamma rays on drugs] Switek W, et al. **Pharmazie** 31(3):181–3, 1976 (Ger)

[Influence of radiation sterilization on the mechanical and densitometric characteristics of bone] Amosov IS, et al. **Radiobiol Radiother (Berl)** 16(6):687–95, 1975 (Eng. Abstr.) (Ger)

[Studies on the specific effect of low doses of ionizing radiation on the seeds of cultivated plants. 5-Year production experiments using 60C0-gamma irradiated silo maize] Degner W, et al. **Radiobiol Radiother (Berl)** 16(1):37–49, 1975 (Ger)

[The importance of fractionation and serial pauses for the prophylaxis of late radiation damages (author's transl)] Fuchs G. **Radiobiol Radiother (Berl)** 16(4):451–5, 1975 (Eng. Abstr.) (Ger)

[Changes in the immunological response due to radiotherapy of cancer patients] Ghilezan N. **Radiobiol Radiother (Berl)** 16(2):141–51, 1975 (Eng. Abstr.) (Ger)

[Response of peripheral blood and bone marrow to combined irradiation] Iakovleva NG, et al. **Radiobiol Radiother (Berl)** 16(5):565–70, 1975 (Eng. Abstr.) (Ger)

[Clinical examinations of different fractionation rhythms for radiation therapy. Fractionation studies by means of CRE-function] Notter G, et al. **Radiobiol Radiother (Berl)** 16(4):425–35, 1975 (Ger)

[Acceleration of the aging process through ionizing radiation. 1. Changes in latency of rat spleen and kidney explantates in relation to age of the animals and following the effect of ionizing radiation] Rose H. **Radiobiol Radiother (Berl)** 16(5):589–94, 1975 (Eng. Abstr.) (Ger)

[The influence of vitamin preparations on the activity of various enzymes of protein metabolism in the irradiated organism] Savickij IV, et al. **Radiobiol Radiother (Berl)** 16(5):571–9, 1975 (Eng. Abstr.) (Ger)

[Cytological effects of therapy with tetrahydrofolic acid and cysteine on the bone marrow and peripheral blood picture of whole-body irradiated rats] Schünzel G, et al. **Radiobiol Radiother (Berl)** 16(2):173–80, 1975 (Eng. Abstr.) (Ger)

[Possibilities of decreasing skin lesions in stationary field x-irradiation by modification of the actual pH of the skin] Spies H. **Radiobiol Radiother (Berl)** 16(2):161–4, 1975 (Eng. Abstr.) (Ger)

[On the change of toxic properties of endotoxins of the familiy of enterobacteriaceae after the effect of gamma-rays (author's transl)] Tumanjan MA, et al. **Radiobiol Radiother (Berl)** 16(6):697–703, 1975 (Eng. Abstr.) (Ger)

[The after-care of tumor patients in radiotherapy] Bleher EA. **Schweiz Med Wochenschr** 105(43):1390–4, 25 Oct 75 (Eng. Abstr.) (Ger)

[Radiation protection and cardiac pacemakers with radionuclide batteries] Stieve FE. **Strahlenschutz Forsch Prax** 15:178–91, 1976 (Ger)

[ESR studies on the action of ionizing radiation in biological media] Stockhausen K. **Strahlenschutz Forsch Prax** 15:99–119, 1976 (Ger)

[Inhibition of epidermis proliferation by borderline rays] Born W, et al. **Strahlentherapie** 152(2):172–7, Aug 76 (Eng. Abstr.) (Ger)

[Influence of a preliminary irradiation once or twice on radioresistance of mice* Brückner V, et al. **Strahlentherapie** 152(2):178–82, Aug 76 (Eng. Abstr.) (Ger)

[Reproductive death and population kinetics of survived hamster cells in vitro during 48 hours following x-ray doses up to 800 Rad. II] Hagemann. **Strahlentherapie** 151(2):118–31, Feb 76 (Eng. Abstr.) (Ger)

[Studies on combined lesions. 22. Studies on serum proteins by means of CAF-electrophoresis in mice, treated with whole body radiation and with open skin wounds] Henneberg R, et al. **Strahlentherapie** 149(6):636–49, Jun 75 (Eng. Abstr.) (Ger)

[Effect of 5-fluorouracil and irradiation of the cell kinetics of Walker carcinoma and the small intestine in rats] Jentzsch K. **Strahlentherapie** 150(1):51–62, Jul 75 (Eng. Abstr.) (Ger)

[Metabolism of calcium in bones following local x-irradiation. 14. Effect of castration and estrogens on the general response] Kolář J, et al. **Strahlentherapie** 150(2):138–44, Aug 75 (Eng. Abstr.) (Ger)

[The late bladder reaction following radiotherapy of a cervix carcinoma] Kümper HJ, et al. **Strahlentherapie** 149(6):602–7, Jun 75 (Eng. Abstr.) (Ger)

[Gonadal load in the radiotherapy of benign diseases. I. Degenerative joint diseases] Nüsslin F, et al. **Strahlentherapie** 151(5):409–16, May 76 (Eng. Abstr.) (Ger)

[Studies on the effect of radiation on electrolyte changes and metabolism of the myocardium. V. Changes in enzyme activities and glycolysis metabloites due to radiation] Prignitz R, et al. **Strahlentherapie** 149(6):621–7, Jun 75 (Eng. Abstr.) (Ger)

[Effect of x-rays on changes in electrolytes and metabolism of the myocardium. VI. Radiation-induced changes of catecholamine content] Prignitz R, et al. **Strahlentherapie** 151(1):53–60, Jan 76 (Eng. Abstr.) (Ger)

[Influence of roentgen rays on electrolyte changes and metabolism of the myocardium. VII. Radiation-induced inhibition of the sodium- and potassium—activated microscomal-trasport ATPase] Prignitz R, et al. **Strahlentherapie** 151(4):356–65, Apr 76 (Eng. Abstr.) (Ger)

[Floating rates of synchronized CHO fibroblasts following 60Co gamma irradiation] Töllner D, et al. **Strahlentherapie** 151(4):366–71, Apr 76 (Eng. Abstr.) (Ger)

[Changes of protein metabolism following irradiation. II. Protease activity, protease pattern, protein and free amino acids in the cytoplasm and cell organelles of the rat liver following 600 R whole-body irradiation] Valet G. **Strahlentherapie** 151(1):61–8, Jan 76 (Ger)

[Regeneration of murine fibroblasts, L-929, following fractionated irradiation] Wehbe S, et al. **Strahlentherapie** 151(4):352–5, Apr 76 (Eng. Abstr.) (Ger)

[Differentiation of neuroblasts and the interfering effect of ionizing rays and cytostatic agents] Lierse W. **Verh Anat Ges** 68:381–2, 1974 (Ger)

[Radiation effects and ageing (author's transl)] Cottier H, et al. **Verh Dtsch Ges Pathol** 59:139–49, 1975 (Eng. Abstr.) (Ger)

[To the x-ray examination during the pregnancy (author's transl)] Fochem K. **Wien Klin Wochenschr** 87(20):699–701, 31 Oct 75 (Eng. Abstr.) (Ger)

[The radiation load in lumbosacral radiculography] Hammer VB. **Wien Med Wochenschr** 125(25–27):400–2, 20 Jun 75 (Ger)

[Thiamine in irradiated foodstuffs. II. Combined effects of irradiation, storage and cooking on the thiamine content (author's transl)] Diehl JF. **Z Lebensm Unters Forsch** 158(2):83–6, 30 Jun 75 (Eng. Abstr.) (Ger)

[CNA-synthesis in gamma-platlets of wheat (author's transl)] Kern H. **Z Naturforsch [C]** 30(2):300–1, Mar–Apr 75 (Eng. Abstr.) (Ger)

[Radiosensitivity of mycoplasma and damage to their DNA after irradiation (author's transl)] Hutková J, et al. **Zentralbl Bakteriol [Naturwiss]** 130(5):424–32, 1975 (Eng. Abstr.) (Ger)

[Influence of whole-body irradiation with 60Co on poly I:C induced interferon in mice (author's transl)] Rodhe G, et al. **Zentralbl Bakteriol [Orig A]** 231(4):535–40, May 75 (Eng. Abstr.) (Ger)

[The destruction of parasitic resistant stages in sludge by irradiation with low accelerating voltage electrons (author's transl)] Enigk K, et al. **Zentralbl Bakteriol [Orig B]** 161(1):61–71, Sep 75 (Eng. Abstr.) (Ger)

[Size of axillary lymph nodes in female breast cancer following preoperative irradiation with telecobalt] Schremmer CN. **Zentralbl Chir** 100(14):862–7, 1975 (Ger)

[Pasteurization of fish flour through irradiation. 1st communication. Determination of the most rational radiation dose for killing Salmonellz in contaminated fish flour] Reusse U, et al. **Zentralbl Veterinaermed [B]** 23(2):158–70, Mar 76 (Eng. Abstr.) (Ger)

[Sterilization of cereal grain samples by gamma-irradiation (author's transl)] Di Maggio D, et al. **Anr Ist Super Sanita** 10(3–4):158–63, 1974 (Eng. Abstr.) (Ita)

[Effect of x-rays on the hemolytic substances of the Yoshida ascites tumor] Basso Ricci L, et al. **Arch Sci Med (Torino)** 132(3):116–25, Jul–Sep 75 (Eng. Abstr.) (Ita)

[Effect of total body irradiation on erythropoiesis in 20-day-old rats] Carnevali C, et al. **Ateneo Parmense [Acta Biomed]** 45(1–2):59–65, Jan–APR 74 (Eng. Abstr.) (Ita)

[Radiosterilization: microbiological aspects and problems] Negretti F. **Boll Chim Farm** 114(6):301–8, Jun 75 (Ita)

[Production of migration inhibitory factor from the part of lymphocytes-T stimulated especially after irradiation in vitro] Cittadini G, et al. **Boll Soc Ital Biol Sper** 51(22):1656–62, 30 Nov 75 (Ita)

[Evaluation of the stimulating activity for the formation in vitro of granulocyte colony in the thin layer agar system] Ghio R, et al. **Boll Soc Ital Biol Sper** 51(22):1627–32, 30 Nov 75 (Ita)

[Radiobiology of lymphocytes. I. DNA synthesis in lymphocytes irradiated by ionizing radiation] Castellani A, et al. **Curr Top Microbiol Immunol** 70:915–30, 1975 (Eng. Abstr.) (Ita)

[Effect of prolonged x-ray exposure on stimulated nitroblue-tetrazolium test (author's transl)] Bertotto A, et al. **Haematologica (Pavia)** 60(4):440–5, Dec 75 (Ita)

[Protection against Leishmania donovani induced in hamsters with an irradiated homologous strain] Ilardi A, et al. **Parassitologia** 16(2–3):143–9, Aug–Dec 74 (Ita)

[Comparative study of the action of x-rays (LD 50/30) on the thymus and bursa of Fabricius in young Wyandotte breed chicks (Gallus domesticus)] Catalini N, et al. **Riv Biol** 38(3):165–92, Jul–Sep 75 (Ita)

[Sprout inhibition by radiation and chemical treatment in four potato cultivars (author's transl)] Baraldi D, et al. **Riv Sci Tecn Nutr Um** 5(5–6):291–8, Sep–Dec 75 (Eng. Abstr.) (Ita)

[The use of gamma radiations for the radicidation of dried egg albumen (author's trans] Inghilesi E, et al. **Riv Sci Tecn Nutr Um** 5(5–6):299–304, Sep–Dec 75 (Ita)

[Studies on Cannabis. III. Young plants from the seed irradiated with 60Co gamma rays for inhibiting their development after seedling (author's transl)] Shimomura H, et al. **J Pharm Soc Jpn** 96(1):75–81, Jan 76 (Eng. Abstr.) (Jpn)

[Proceedings: Adrenal medulla hormone secretory function and radioactivity] Mieno M, et al. **J Physiol Soc Jpn** 36(8–9):404–5, 1 Sep 74 (Jpn)

[Chromosome abnormalities induced by anticancer drugs and radiation in cultured lymphocytes of children with acute leukemia in complete remission (author's transl)] Kaneko Y, et al. **Jpn J Clin Hematol** 17(5):527–33, May 76 (Eng. Abstr.) (Jpn)

[Local fibrinolytic activity of the digestive tract mucosa—II. Protein-losing gastroenteropathy] Kondo M, et al. **Jpn J Gastroenterol** 72(4):355–64, Apr 75 (Eng. Abstr.) (Jpn)

[Experimental production of 'retention lung' by irradiation of the rat trachea; (1) histological findings] Ishidate T, et al. **Jpn J Thorac Dis** 13(4):205–9, Apr 75 (Eng. Abstr.) (Jpn)

[Experimental production of 'retention lung' in rats by tracheal irradiation. Report 2. Analysis of pulmonary surfactant] Oizumi T, et al. **Jpn J Thorac Dis** 14(2):77–82, Feb 76 (Eng. Abstr.) (Jpn)

[Estimation of population doses from diagnostic medical examinations in Japan, 1974. 3. Per caput mean marrow dose and leukemia significant dose (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 36(3):216–24, Mar 76 (Eng. Abstr.) (Jpn)

[Effect of bleeding on recovery of erythropoiesis in mice after irradiation (author's transl)] Kubota N. **Nippon Acta Radiol** 35(4):180–6, 25 Apr 75 (Eng. Abstr.) (Jpn)

[The mitotic index in the moust fetus liver as a biological indicator of radiation effects (author's transl)] Kusama T, et al. **Nippon Acta Radiol** 35(10):908–12, 25 Oct 75 (Eng. Abstr.) (Jpn)

[A method for estimation of active bone marrow dose from x-ray radiography (author's transl)] Takaku Y. **Nippon Acta Radiol** 35(8):685–91, 25 Aug 75 (Eng. Abstr.) (Jpn)

[Effect of X-ray irradiation on glucose metabolism in mice] Kulesza R. **Acta Pol Pharm** 33(2):251–7, 1976 (Eng. Abstr.) (Pol)

[Effect of X-ray irradiation on metabolic effects of adrenaline] Szyszko A. **Acta Pol Pharm** 33(2):245–9, 1976 (Eng. Abstr.) (Pol)

[Post-irradiation lesions of the blood vessels following irradiation of choroidal tumors with 1O6Ru/1O6Rh applications] Lommatzsch P, et al. **Klin Oczna** 46(4):411–3, 1976 (Eng. Abstr.) (Pol)

[Vocal cord function following radiotherapy for laryngeal neoplasms] Maniecka-Aleksandrowicz B. **Otolaryngol Pol** 29(3):245-50, 1975 (Eng. Abstr.) **(Pol)**

[Radioisotope localization of the placenta from a pediatrician's standpoint] Rokicki W. **Pediatr Pol** 51(1):85-8, Jan 76 **(Pol)**

[Electrocardiographic studies of rabbits irradiated externally with various doses of ionizing radiation] Kossakowski S, et al. **Pol Arch Weter** 17(4):633-48, 1975 (Eng. Abstr.) **(Pol)**

[Pathomorphological and histochemical changes in the liver of rabbits following fractional irradiation with Co-60] Rubaj B. **Pol Arch Weter** 18(1):107-15, 1975 (Eng. Abstr.) **(Pol)**

[Exposure of personnel to ionizing radation during implantation of metallic radioactive gold (198Au) (author's transl)] Dworakowski M, et al. **Pol Przegl Radiol** 40(2):127-9, Mar-Apr 76 (Eng. Abstr.) **(Pol)**

[Comparative studies of early radiation-induced pulmonary changes following x-ray therapy and telegammatherapy of mediastinal tumors with Co-60] Malska-Waniewska I, et al. **Pol Przegl Radiol** 39(6):691-6, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

[Assessment by means of TL dosimetry of radiation dosage absorbed by the hands of personnel exposed to gamma rays] Balcerzak C. **Pol Tyg Lek** 30(42):1761-3, 20 Oct 75 **(Pol)**

[Determination of radiation dosage for radiosterilization of disposable medical equipment] Czerniawski E, et al. **Polim Med** 5(4):307-17, 1975 **(Pol)**

[Polyamides and esters of terephthalic acid used in the production of medical articles to be sterilized by accelerated electrons] Robalewski AM, et al. **Polim Med** 5(4):349-60, 1975 (Eng. Abstr.) **(Pol)**

[Study of polyolefine plastics for the manufacture of medical and bacteriological equipment to be sterilized in electron accelerators] Robalewski AM, et al. **Polim Med** 5(4):339-47, 1975 (Eng. Abstr.) **(Pol)**

[Resistance of polysterenes and styrene-acrylonitrile copolymer to sterilizing doses of accelerated electron radiation] Robalewski AM, et al. **Polim Med** 5(4):329-38, 1975 (Eng. Abstr.) **(Pol)**

[Letter: Possibilities of radiation-induced sterilization of medical equipment made of polychlor vinyl] Zalewski W, et al. **Polim Med** 4(3):225-7, 1974 **(Pol)**

[Experimental data concerning the modification of thromboelastographic constants during irradiation] Baran T, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):427-32, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

[Study of the sterilization of the Na salt of methicillin using accelerated electrons] Subbotina NA, et al. **Antibiotiki** 21(6):511-4, Jun 76 (Eng. Abstr.) **(Rus)**

[Effect of gamma-irradiation on some biological and physico-chemical properties of polyene antibiotics] Vasil'eva NG, et al. **Antibiotiki** 20(11):982-4, Nov 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the proper layer of the mucous membrane of the duodenum following general gamma-irradiation] Brodskii RA, et al. **Arkh Anat Gistol Embriol** 68(4):66-74, Apr 75 (Eng. Abstr.) **(Rus)**

[Reaction of sustentocytes and glandulocytes of the testis to irradiation] Kondratenko VG, et al. **Arkh Anat Gistol Embriol** 68(4):83-6, Apr 75 (Eng. Abstr.) **(Rus)**

[Alterative and repair processes in lymph nodes under the direct and mediated effects of radiation] Mikhallov VP, et al. **Arkh Anat Gistol Embriol** 69(8):10-6, Aug 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the myocardial capillaries of rats following local irradiation of the heart region] Lebkova NP. **Arkh Patol** 38(1):33-41, 1976 (Eng. Abstr.) **(Rus)**

[Structural transitions in DNA, isolated from normal and neoplastic cells] Mil' EM, et al. **Biofizika** 20(5):757-61, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Change in the accumulation of dibenzyldimethylammonium by irradiated cells of Streptococcus under the effects of modifiers of radiation injury] Fomenko BS, et al. **Biol Nauki** (8):51-5, 1975 **(Rus)**

[Formation of breaks in the DNA of the blue-green alga, Anacystis nidulans, under the action of x-ray irradiation] Glazer VM, et al. **Biol Nauki** (10):54-60, 1975 **(Rus)**

[X-ray induced DNA degradation in radiosensitive mutants of Anacystis nidulans] Zhukas KI, et al. **Biol Nauki** (9):105-10, 1975 **(Rus)**

[Cell precursors of fibroblasts detected by cloning in vitro hematopoietic organ crlls of normal and irradiated mice] Gorskaia IuF, et al. **Biull Eksp Biol Med** 81(5):614-7, May 76 (Eng. Abstr.) **(Rus)**

[Effect of total gamma-irradiation on the rate of steroid hormone hydroxylation by rat liver microsomes] Khalilov EM, et al. **Biull Eksp Biol Med** 81(6):668-70, Jun 76 (Eng. Abstr.) **(Rus)**

[Kinetics of the main sections of the hematopoietic system in the process of postradiational regeneration] Kondratenko NF. **Biull Eksp Biol Med** 80(10):110-2, Oct 75 (Eng. Abstr.) **(Rus)**

[Restoration of the osteogenic properties of bone marrow following irradiation according to the findings of heterotopic transplantation] Kuralesova AI. **Biull Eksp Biol Med** 79(5):111-4, May 75 (Eng. Abstr.) **(Rus)**

[The radiosensitivity and direction of differentiation of splenic colony forming cells] Shvets VN. **Biull Eksp Biol Med** 81(1):74-6, Jan 76 (Eng. Abstr.) **(Rus)**

[Cloning stem cells in the bone marrow of irradiated mice] Shvets VN. **Biull Eksp Biol Med** 79(5):40-4, May 75 (Eng. Abstr.) **(Rus)**

[Radiation-induced binding of oxygen by protein in relation to its concentration] Kharchenko LI, et al. **Dokl Akad Nauk SSSR** 226(6):1465-8, 21 Feb 76 **(Rus)**

[Correlation between the relative number of thymine blocks in DNA of animals and their radiosensitivity] Kritskii GA, et al. **Dokl Akad Nauk SSSR** 226(6):1459-62, 21 Feb 76 **(Rus)**

[Induction of unscheduled DNA synthesis in chromatin in vitro] Krutiakov VM, et al. **Dokl Akad Nauk SSSR** 227(5):1255-8, 11 Apr 76 **(Rus)**

[Dual nature of the effect of propyl gallate during DNA irradiation] Odintsova SP, et al. **Dokl Akad Nauk SSSR** 226(2):456-9, 11 Jan 76 **(Rus)**

[Relative effectiveness of fast and intermediate neutrons in causing chromosome aberrations in human lymphocytes] Sevan'kaev AV, et al. **Dokl Akad Nauk SSSR** 227(4):975-7, 1976 **(Rus)**

[Effect of ionizing electromagnetic radiation on DNA in solution and on white blood cells] Sukhoviia MI, et al. **Dokl Akad Nauk SSSR** 225(5):1202-5, 11 Dec 75 **(Rus)**

[Participation of irradiated tissues in the formation of limb regenerates in axolotls] Tuchkova SIa. **Dokl Akad Nauk SSSR** 228(3):752-5, 21 Jun 76 **(Rus)**

[Regeneration in bronchoanastomosis under conditions of irradiation and the use of cyclophosphamide in therapeutic doses] Kniazeva GD, et al. **Eksp Khir Anesteziol** (1):29-32, 1976 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of the disinfection of sewage water by the radiat1on method] Arbuzova NA, et al. **Gig Sanit** (5):103-5, May 76 **(Rus)**

[Resistance of the body to hexachlorbenzol under various combinations of air temperature and UV-irradiation] Gabovich RD, et al. **Gig Sanit** (8):17-21, Aug 75 (Eng. Abstr.) **(Rus)**

[Retention in the lungs of aerosol particles of naturally radioactive substances] Kapitanov IuT, et al. **Gig Sanit** (2):46-50, Feb 75 (Eng. Abstr.) **(Rus)**

[Sexual function of mice exposed to radiation effects modelling x-ray studies] Koroleva TM, et al. **Gig Sanit** (2):53-6, Feb 75 (Eng. Abstr.) **(Rus)**

[Pu239 distribution and metabolism in the skin] Shvydko NS, et al. **Gig Sanit** (3):117-8, Mar 76 **(Rus)**

[Effective periods of the half-removal of alpha-irradiators from the skin] Simakov AV, et al. **Gig Sanit** (1):36-8, Jan 76 (Eng. Abstr.) **(Rus)**

[Choice of the irradiation dose for the sterilization of medical products] pp. 61-8. Bochkarev VV, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.** (Eng. Abstr.) **(Rus)**

[Radiation sterilization of radiopharmaceutical preparations] pp. 365-78. Bochkarev VV, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.** (Eng. Abstr.) **(Rus)**

[Radiochemical changes in polymers used for packaging drugs] pp. 159-69. Ivanov AI, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.** (Eng. Abstr.) **(Rus)**

[Development of methods of forecasting properties of polymer packaging materials which do not cause any changes in medicinal preparations during sterilization] pp. 191-9. Krivonosov AI, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.** (Eng. Abstr.) **(Rus)**

[Influence of radiation sterilization on the medicochemical properties of polymer materials coming into contact with medical products] pp. 171-6. Semenenko EI, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.** (Eng. Abstr.) **(Rus)**

[Ocular effects of cosmic rays on the eyes] Grigor'ev IuG, et al. **Kosm Biol Aviakosm Med** 9(4):46-53, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Radiobiological characteristics of chilled seedlings as an object for inflight experiments] Shaidorov IuI, et al. **Kosm Biol Aviakosm Med** 9(5):22-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Electrospectroscopic method of determining the interaction of radiation with DNA molecules] Shakunova EA, et al. **Kosm Biol Aviakosm Med** 10(1):89-91, Jan-Feb 76 **(Rus)**

[Bone marrow hematopoiesis in patients with lymphogranulomatosis during the process and at remote periods after radiotherapy by a radical program] Baisogonov GD, et al. **Med Radiol (Mosk)** 20(11):9-15, Nov 75 (Eng. Abstr.) **(Rus)**

[Regulation of glycogenesis in the bone marrow tirsue of the irradiated organism] Barkalaia AI. **Med Radiol (Mosk)** 21(2):49-53, Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of insulin on the mitotic activity of the bone marrow cells following irradiation] Barkalaia AI. **Med Radiol (Mosk)** 21(2):78-9, Feb 76 **(Rus)**

[Model'ng of a local radiation injury to the heart] Chechulin IuS, et al. **Med Radiol (Mosk)** 20(9):72-4, Sep 75 **(Rus)**

[Dynamics of chromosome aberrations in peripheral blood lymphocytes after radiation therapy] Guzeev GG, et al. **Med Radiol (Mosk)** 20(12):17-21, Dec 75 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the radiation hazard and the effectiveness of protection during contact of Sr85 with excoriations and intact integument of man] Il'in LA, et al. **Med Radiol (Mosk)** 20(11):44-9, Nov 75 (Eng. Abstr.) **(Rus)**

[Clinico-physiological shifts in occupational effects of radiation and radiowaves] Lysina GG. **Med Radiol (Mosk)** 20(11):50-5, Nov 75 (Eng. Abstr.) **(Rus)**

[Angiography and lymphography in the study of the condition of blood and lymphatic systems in local irradiation] Mannanov IS, et al. **Med Radiol (Mosk)** 20(12):58-63, Dec 75 (78 ref.) **(Rus)**

[Changes in blood vessels after radiation therapy of bone neoplasms, according to angiographic data] Mannanov IS, et al. **Med Radiol (Mosk)** 21(3):45-9, Mar 76 (Eng. Abstr.) **(Rus)**

[State of the arteries in local irradiation of the liver] Mardynskaia VP, et al. **Med Radiol (Mosk)** 21(3):50-4, Mar 76 (Eng. Abstr.) **(Rus)**

[State of the arteries in local irradiation of the liver] Mardynskaia VP, et al. **Med Radiol (Mosk)** 21(3):50-5, Mar 76 (Eng. Abstr.) **(Rus)**

[Affection of the crystalline lens due to the external influence of ionizing radiation] Milovidova IA. **Med Radiol (Mosk)** 20(8):77-82, Aug 75 **(Rus)**

[Changes in the vessels of the teeth and jaws following local gamma-irradiation] Nazarov GI. **Med Radiol (Mosk)** 20(8):75-6, Aug 75 **(Rus)**

[Dynamics of chromosome aberrations and mitotic activity in human bone marrow cells after single local gamma-irradiation with a dose of 150 rad] Neishtadt EL, et al. **Med Radiol (Mosk)** 20(4):62-3, Apr 75 **(Rus)**

[Action of external beta-irradiation on the morphological structures of the skin] Samsonova TV. **Med Radiol (Mosk)** 20(9):55-9, Sep 75 (Eng. Abstr.) **(Rus)**

[Gamma-irradiation of the renal transplant in the complex treatment of rejection crisis] Shumakov VI, et al. **Med Radiol (Mosk)** 21(3):22-5, Mar 76 (Eng. Abstr.) **(Rus)**

[Foci of lymphocyte-like cells in the bone marrow of irradiated mice] Shvets VN. **Med Radiol (Mosk)** 20(9):70-2, Sep 75 **(Rus)**

[Blood lymphocytes during irradiation under conditions of hyperbaric oxygenation] Sokolova II, et al. **Med Radiol (Mosk)** 20(12):25-8, Dec 75 (Eng. Abstr.) **(Rus)**

[Isoenzymes of the tissues of the organism under the effects of radiation] Surinov BP. **Med Radiol (Mosk)** 21(2):80-90, Feb 76 (84 ref.) **(Rus)**

[Changes in the lymphogram following radiation therapy and chemotherapy] Todorova L. **Med Radiol (Mosk)** 20(8):66-9, Aug 75 **(Rus)**

[State of the ventilation and perfusion of the lungs in intensive preoperative irradiation of patients with bronchial cancer] Tsigankov AT, et al. **Med Radiol (Mosk)** 21(2):22-8, Feb 76 (Eng. Abstr.) **(Rus)**

[Radiation changes in the lymphatic plexus in radiographic images] Tsyb AF, et al. **Med Radiol (Mosk)** 20(8):69-75, Aug 75 **(Rus)**

[Use of gamma-irradiation of soil for analyzing the state of microbial coeneses] Shcherbakova TA, et al. **Mikrobiologiia** 44(2):325-9, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Structure of the DNA molecule in the course of reparation process after ultraviolet irradiation of E. coli cells] Osakovskii VP, et al. **Mol Biol (Mosk)** 9(3):331-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Structure of the DNA molecule in the course of reparation process after ultraviolet irradiation of E. coli cells] Osakovskil VP, et al. **Mol Biol (Mosk)** 9(3):331-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Microbiological aspects of radiation sterilization] Gareishina AZ, et al. **Nov Med Priborostr** (4):56-61, 1973 **(Rus)**

[Determination of optimal conditions for physical and chemical inactivation of nuclei for obtaining haploid and anuclear loach (Misgurnus fossilis L.) embryos] Kunina IM, et al. **Ontogenez** 6(3):304-8, 1975 (Eng. Abstr.) **(Rus)**

[Oxygen consumption and cytochrome oxidase activity of muscle tissue from the limbs of axolotls following restoration of regenerative capability suppressed by x-ray irradiation] Teplits NA. **Ontogenez** 6(4):348-56, 1975 (Eng. Abstr.) **(Rus)**

[Oxygen consumption and cytochrome oxidase activity of muscle tissue from the limbs of axolotls following restoration of regenerative capability suppressed by x-ray irradiation] Teplits NA. **Ontogenez** 6(4):348-56, 1975 (Eng. Abstr.) **(Rus)**

[Influence of 5-methoxytryptamine, cystamine, and aminopropyl-aminoethylthiophosphate on the radiosensitivity of hematopoietic stem cells] Abdul' IuA, et al. **Radiobiologiia** 15(5):766-8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiations on induced synthesis of anthocyans in buckwheat] Abdurakhmanov AA, et al. **Radiobiologiia** 16(1):112-4, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Dynamics of free and bound urea and arginase activity in sections of the brain of guinea pigs after irradiation] Agafonova IM, et al. **Radiobiologiia** 15(5):744-7, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Kinetics of the incorporation of H3-thymidine into the cell nuclei of regenerating liver in rats irradiated with different doses of x-radiation] Aksenovich TI, et al. **Radiobiologiia** 16(1):11-5, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Complex effect of strontium-90 and bazudin on Aristichthys nobilis] Aleksan'ian OM, et al. **Radiobiologiia** 15(6):934-7, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Radiation block of bone marrow cell mitoses and the effect of insulin] Barkalaia AI. **Radiobiologiia** 16(1):54-8, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of taurine on the postradiation repair of yeast cells] Benevolenskiĭ VN, et al. **Radiobiologiia** 15(4):547-51, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Role of structural changes in alpha-chymotrypsin inactivation during gamma-irradiation in solution] Bezrukova AG, et al. **Radiobiologiia** 15(6):883-6, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[State of rat digestive tract sections during long-term accumulation of strontium-90] Boĭtsova VP, et al. **Radiobiologiia** 15(3):389-93, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Radioresistance recovery and hematopoietic stem cells] Butomo NV, et al. **Radiobiologiia** 15(3):345-7, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Relation of compartmentalization of amino acids in the gray and white matter of the brain of rats on the type of ionizing radiation] Dovgalevich II. **Radiobiologiia** 15(4):538-42, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Mechanism of action of relatively low doses of ionizing radiation of the compartmentalization of amino acids in the central nervous system] Dovgalevich II. **Radiobiologiia** 15(5):750-4, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of protracted irradiation on the enzymes of DNA synthesis in the bone marrow of rats] Elkina NY. **Radiobiologiia** 15(4):521-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Energy-dependent accumulation of an artificial dibenzyldimethylammonium cation by gamma-irradiated cells] Fomenko BS, et al. **Radiobiologiia** 16(1):21-5, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Role of ATP in DNA repair of gamma-irradiated Chinese hamster cells] Fomenko LA, et al. **Radiobiologiia** 15(3):420-3, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Chromosome aberrations in pea seedling meristem cells following impulse and protracted radiations] Gorbunova IN, et al. **Radiobiologiia** 16(1):123-5, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Levels of copper and iron in the tissues of rabbits under the influence of x-rays] Gotsuliak LE. **Radiobiologiia** 15(5):732-7, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Nature of the radioprotective effect] Graevskiĭ Ela, et al. **Radiobiologiia** 15(3):356-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of gamma rays on the fluorescent properties of rat thyroglobulin] Iangibaev M, et al. **Radiobiologiia** 15(3):427-30, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Factors determining changes in radiosensitivity of animals during fractionated irradiation] Ianushevskaia MI, et al. **Radiobiologiia** 15(3):369-73, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Action of iron and manganese microelements in modifying radiobiological effects in wheat] Il'ina GV, et al. **Radiobiologiia** 15(3):415-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Repair and degradation of DNA in irradiated rat thymocytes] Ivannik BP, et al. **Radiobiologiia** 15(4):500-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of caffeine on the survival and repair of yeast cells] Kabakova NM, et al. **Radiobiologiia** 15(6):850-5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Role of intercellular junctions in the radiosensitivity of cultured HeLa cells] Kalendo GS, et al. **Radiobiologiia** 15(3):348-55, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of photonuclear reactions on the inactivation of bacterial cells due to the effects of bremsstrahlung] Kapchigashev SP, et al. **Radiobiologiia** 15(5):757-9, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of gamma-irradiation on the nucleotide composition of the tRNA of cotton] Karakuziev TU. **Radiobiologiia** 15(5):725-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Ion transport in cotton seedling roots exposed to gamma-radiation] Kasymov AK. **Radiobiologiia** 16(1):126-8, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of diet specificity on the radioresistance of great gerbils] Khamdamova TU, et al. **Radiobiologiia** 15(3):459-61, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation in rat embryo adrenal glands] Khamidov DKh, et al. **Radiobiologiia** 15(6):896-8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of some chemical compounds on the radiation hemolysis of erythrocytes] Kolesnikov IuA, et al. **Radiobiologiia** 15(5):671-4, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the mechanisms of radiation protection of DNA] Kondakova NV, et al. **Radiobiologiia** 15(4):506-11, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Stability of the conformation of double spiral DNA to gamma-irradiation] Kondakova NV, et al. **Radiobiologiia** 15(5):722-4, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of small radiation doses on spermatogenesis] Kondratenko VG, et al. **Radiobiologiia** 15(6):861-5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Role of endogenous thiols in determining the radioresistance of E. coli B cultures at different growth phases] Konstantinova MM. **Radiobiologiia** 15(3):360-4, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of prolonged gamma-irradiation of rats on the biosynthesis of pyrimidine ribonucleotides] Koshcheenko NN, et al. **Radiobiologiia** 15(5):651-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Peculiarities of the biosynthesis of proteins in the liver under the influence of x-rays] Kucherenko NE, et al. **Radiobiologiia** 15(4):610-3, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Early radiation reactions of ATP of the organs and tissues of white rats under the influence of x-irradiation] Kucherenko NE, et al. **Radiobiologiia** 15(4):531-3, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the stimulating effect of ionizing radiation on seeds. Activation of the synthesis of ribonucleic acid] Kuzin AM, et al. **Radiobiologiia** 15(5):747-50, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Cytogenetic action of extracts from gamma-irradiated potato tubers on the bone marrow of mice] Kuzin AM, et al. **Radiobiologiia** 15(5):763-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Growth and development of embryos, chickens and egg yield of hens irradiated prior to and during incubation] Kuzin AM, et al. **Radiobiologiia** 15(6):866-7, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Sensitizing activity of radiotoxins of plant origin] Kuzin AM, et al. **Radiobiologiia** 15(6):875-8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Stimulating effect of chronic low-power gamma radiation on the growth and development of Aspergillus niger] Kuzin AM, et al. **Radiobiologiia** 16(1):70-2, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Lethal and mutagenic effect of gamma rays on the unicellular green alga Chlamydomonas reinhardi] Ladygin VG, et al. **Radiobiologiia** 16(1):64-9, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in the physico-chemical properties of DNA of the spleen cells of rats following irradiation with fast neutrons of the fission spectrum] Laneeva NI, et al. **Radiobiologiia** 15(4):512-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Determination of the radiosensitivity of HeLa cells in relation to their stage in the generation cycle] Lepekhin AF. **Radiobiologiia** 15(3):365-8, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Study of the effect of radiation on the proteins of ribosomes with the use of proteolytic enzymes] Liandres TT, et al. **Radiobiologiia** 15(4):608-10, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of chronic irradiation in low doses on age-related changes in the radiation-resistance of white mice] Lisenkova LN. **Radiobiologiia** 15(4):589-92, Jul-Aug 75 **(Rus)**

[Effect of acceleration on the higher nervous activity of previously irradiated rats] Livshits NN, et al. **Radiobiologiia** 15(4):566-72, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of plants at different stages of ontogenesis] Luzhetskaia NI, et al. **Radiobiologiia** 15(3):437-40, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Isolation, determination of the chemical nature and possible mechanism of action of a natural modifier of mutagnesis in Vicia faba] Medvedev AI, et al. **Radiobiologiia** 16(1):48-53, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of small doses of ionizing radiation on the ultrastructure of the chick embryo hypophysis] Murtazaeva LA, et al. **Radiobiologiia** 16(1):92-5, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Functional activity of the sympathetic-adrenal system in chronic and fractionated irradiation of rats] Musagalieva GM. **Radiobiologiia** 15(4):573-6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of radiation on the ascorbic acid content of maize seedlings and effect of ascorbic acid on lipid oxidation] Norbaev N. **Radiobiologiia** 15(3):467-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of depth distribution of basal cells on their survival during irradiation of the skin with beta-particles of different energies] Osanov DP, et al. **Radiobiologiia** 16(1):59-63, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Comparison of the effectiveness of gamma rays and fission spectrum neutrons by the chromosome aberrations induced in human peripheral blood lymphocytes in vitro] Piatkin EK, et al. **Radiobiologiia** 15(6):879-82, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of radiation and cystamine on corneal induction by the eye on intact skin] Popov DV, et al. **Radiobiologiia** 15(3):430-4, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Binding of corticosterone to transcortin of the serum of rats at distant period following irradiation] Prokudina EA, et al. **Radiobiologiia** 15(4):614-6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of gamma irradiation on a solution of the visual pigment rhodopsin] Pushkareva TV, et al. **Radiobiologiia** 15(4):596-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Does acute radiation exposure cause dehydration in the brain?] Rib TM. **Radiobiologiia** 16(1):96-9, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

['Late' activation of the functions of the hypophyseal-adrenal system after irradiation] Romashko OO, et al. **Radiobiologiia** 15(4):621-4, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of prolonged irradiation in small doses on the brains of rat embryos] Semagin VN. **Radiobiologiia** 15(4):583-8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Development of the graft vs host reaction and endogenous colony formation in intact and adrenalectomized sublethally irradiated mice] Semenkov VF. **Radiobiologiia** 15(3):374-8, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the action of gamma-rays and accelerated electrons according to the growth and development of potatoes] Serebrenikov VS, et al. **Radiobiologiia** 16(1):128-31, Jan-Feb 76 **(Rus)**

[Antioxidative activity of lipids and radiosensitivity. 2. Changes in the antioxidative activity of lipids and radiosensitivity of mice in the course of a day] Shishkina LN, et al. **Radiobiologiia** 16(1):39-43, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Dynamics of immunologic reactions in the chronic influence of radionuclides and external irradiation] Shubik VM, et al. **Radiobiologiia** 15(4):552-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Changes in the quantity of colony-forming units of the bone marrow of mice in the process of irradiation with various dose rates] Shvets VN, et al. **Radiobiologiia** 15(5):675-9, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Radiothermoluminescence and the nature of the intermediate activity of particles in gamma-irradiated nucleoproteins] Skvortsov VG, et al. **Radiobiologiia** 15(4):490-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Reaction of free radicals in gamma-irradiated DNA in the presence of oxygen] Skvortsov VG, et al. **Radiobiologiia** 15(4):483-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Role of direct protection of cells of the hematopoietic system in the antiradiation effects of some biogenic amines on the animal organism] Smirnova IB, et al. **Radiobiologiia** 15(5):680-3, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Role of tocopherol in radiation injury to Pisum sativum] Stepanian LG, et al. **Radiobiologiia** 15(6):931-4, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Potentiometric study of natural phenol quinones--radiotoxin analogs] Stom DI. **Radiobiologiia** 16(1):110-2, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of normal, regenerating and embryonal epithelium of the mouse cornea] Studitskiĭ AN, et al. **Radiobiologiia** 15(5):687-90, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of various doses of gamma rays on the level of alkaline phosphatase isoenzymes in the blood serum and the mucosa of the small intestine of rats] Surinov BP. **Radiobiologiia** 15(4):599-602, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Autoimmunizing action of x-radiation and an antibiotic] Ter-Pogosian RA, et al. **Radiobiologiia** 16(1):134-7, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of gamma-radiation on the bioluminescence of Noctiluca miliaris] Tokarev IuN. **Radiobiologiia** 16(1):131-4, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Postradiation regeneration of diploid yeast cells irradiated with high-energy bremsstrahlung] Tsuladze NG, et al. **Radiobiologiia** 16(1):73-7, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on chick embryo thyroid gland] Tuichiev S, et al. **Radiobiologiia** 15(3):398-401, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of radiation on the phosphorylation of nuclear proteins in the liver and thymus of rats] Umanskiĭ SR, et al. **Radiobiologiia** 15(4):526-30, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Cotyledon respiration following gamma-irradiation of seeds in doses stimulating growth] Vagabova ME. **Radiobiologiia** 15(3):470-1, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of x-irradiation on the metabolism of choline] Vasil'ev AN, et al. **Radiobiologiia** 15(5):769-71, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the decomposition of nuclear chromatin of the thymus gland in post-irradiation dynamics] Vodolazskaia NA. **Radiobiologiia** 15(4):619-21, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Study of the degradation products of DNP from the rat thymus by the method of gel filtration on Sepharose 4B and ultracentrifugation in a sucrose gradient] Vodolazskaia NA, et al. **Radiobiologiia** 15(5):738-41, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the repair of single-stranded breaks in DNA of the regenerating liver in gamma-irradiated rats by the sedimentation method] Zakrzhevskaia DT, et al. **Radiobiologiia** 15(4):593-6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of pre-sowing gamma-irradiation on the biology and fruitfulness of cucumbers] Zhambiansurén D, et al. **Radiobiologiia** 15(5):790-2, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of remote gamma-irradiation on the dental hard tissues] Borovskiĭ EB, et al. **Stomatologiia (Mosk)** 55(2):1-4, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the capillaires of dental pulp in the rabbit under normal conditions and following local fractionated gamma irradiation of the mandible] Zav'ialova VA, et al. **Stomatologiia (Mosk)** 54(3):74-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of temperature on the occurrence and repair of radiaiton-induced damage to V. faba and Chinese hamster cells] Eliseenko NN, et al. **Tsitol Genet** 9(3):237–42, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Action of Co60 gamma radiation on the nucleic acid concentration and ribonuclease activity in the splenic tissues of inbred and hybrid mice] Shereshevskaia TsM, et al. **Tsitol Genet** 9(5):404–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Mean absorbed doses in the tissues of critical organs of patients examined by roentgenological procedures] Telichko FF, et al. **Vesta Rentgenol Radiol** (5):70–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of radon baths at the Belokurikh health resort on the functional state of the adrenals of white rats] Shorin IuP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):364–5, Jul–Aug 75 **(Rus)**

[External respiration in radiation treatment of patients with breast cancer] Kantin AV, et al. **Vopr Onkol** 22(2):22–8, 1976 (Eng. Abstr.) **(Rus)**

[Influence of immunodepressants on transplanted ovarian tumors in rats] Vasil'eva GS. **Vopr Onkol** 22(1):73–5, 1976 (Eng. Abstr.) **(Rus)**

[Influence of fast electrons on the nucleic acid level and the biosynthsis of RNA in cells of the ascites tumor NK/Ly and the spleen of tumor-bearing mice] Zerov IuP, et al. **Vopr Onkol** 21(9):72–6, 1975 (Eng. Abstr.) **(Rus)**

[The effect of gamma irradiation on polyunsaturated fatty acids in processed pork meat] Liaskovskaia IuN, et al. **Vopr Pitan** (6):74–5, Nov–Dec 75 **(Rus)**

[Influence of the storage and culinary processing of irradiated potatoes on the cytogenetic activity of extracts obtained from them] Osipova IN, et al. **Vopr Pitan** (4):54–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of x-rays on morphological composition of blood and kidney function during screening] Oganesian AS, et al. **Zh Eksp Klin Med** 15(4):40–5, 1975 **(Rus)**

[Morphologic and biochemical changes in the blood of cows chronically exposed to strontium-90] Sirotkin AN, et al. **Zh Obshch Biol** 36(6):935–41, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Treatment of acute lymphocytic leukemia in children with combination chemotherapy and irradiation of the central nervous system] Kezić J, et al. **Bilt Hematol Transfuz** 4(1–2):63–9, 1976 (Eng. Abstr.) **(Ser)**

[Relation of fibrin degradation products on I-131 – fibrinogen in the circulation of rats irradiated by 600 R] Suškevič G, et al. **God Zb Med Fak Skopje** 21:7–12, 1975 **(Ser)**

[Effect of I-131 fibrinogen on blood coagulation and volume loss due to liver damage in the rats undergoing irradiation] Suškevič G, et al. **God Zb Med Fak Skopje** 21:13–7, 1975 (Eng. Abstr.) **(Ser)**

[Changes of hematopoiesis in long-term irradiated mice] Praslička M, et al. **Vnitr Lek** 22(7):680–4, Jul 76 (Eng. Abstr.) **(Slo)**

[Chlorophyll mutations induced by gamma radiation in Phaseolus vulgaris L] Meoño ME. **Rev Biol Trop** 23(1):125–32, Jul 75 (Eng. Abstr.) **(Spa)**

[Platelet and fibrinogen survival assay by SeM (selenium-methionine) (author's transl)] Maor E, et al. **Sangre (Barc)** 21(2):276–80, 1976 (Eng. Abstr.) **(Spa)**

[The effect of total x-irradiation on the lability of nervous processes in young rats] Chalchenko HM. **Fiziol Zh** 21(3):337–42, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[The effect of ionizing radiation combined with microwaves on permeability of the histo-hematic barrier] Faĭtel'berh-Blank VR, et al. **Fiziol Zh** 21(3):410–2, May–Jun 75 **(Ukr)**

[Effect of gamma rays and gibberellin on the accumulation of X virus in potato plants] Anokhin VM, et al. **Mikrobiol Zh** 37(1):111–2, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Effect of gamma rays on peroxidase and polyphenol oxidase activity in hop plants affected by leaf roll virus] Anokhin VM, et al. **Mikrobiol Zh** 37(1):80–3, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Histomorphologic changes in the lymph nodes following chromolymphography in cancer of the uterus] Petrova HV, et al. **Pediatr Akush Ginekol** (6):49–51, Nov–Dec 75 **(Ukr)**

[Methylation of rat liver tRNA under different experimental conditions] Kucherenko ME, et al. **Ukr Biokhim Zh** 47(2):205–8, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Aminoacylation of rat liver tRNA under different experimental conditions] Vynodradova RP, et al. **Ukr Biokhim Zh** 48(1):58–60, Jan–Feb 76 **(Ukr)**

RADIATION GENETICS

Influence of diagnostic roentgen doses on human chromosomes and influence of age on the aberration yield. Kučerová M, et al. **Acta Radiol [Ther] (Stockh)** 15(1):91–6, Feb 76

Genetic effects of acute and chronic irradiation with 14 MeV neutrons. Lüning KG, et al. **Acta Radiol [Ther] (Stockh)** 14(5):401–16, Oct 75

Studies on x-ray induced chromosomal translocations in Anopheles albimanus. II. Laboratory evaluation of sexual competitiveness of translocation males. Rabbani MG, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1027–30, Nov 75

Studies on x-ray induced chromosomal translocations in Anopheles albimanus. I. Chromosomal translocations and genetic control. Rabbani MG, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1019–26, Nov 75

DNA repair and frequency of x-ray and u.v.-light induced chromosome aberrations in leukocytes from patients with Down's syndrome. Lambert B, et al. **Ann Hum Genet** 39(3):293–303, Jan 76

Mutagenesis and carcinogenesis. Boyland E. **Arch Geschwulstforsch** 45(7):625–7, 1975

Radiation-sensitive mutants of yeast. Game JC. **Basic Life Sci** 5B:541–4, 1975

X-ray-induced lethality and chromosome breakage and repair in a radiosensitive strain of yeast. Ho KS, et al. **Basic Life Sci** 5B:545–7, 1975

The effect of genes controlling radiation sensitivity on chemical mutagenesis in yeast. Prakash L. **Basic Life Sci** 5A:393–5, 1975

SOS repair hypothesis: phenomenology of an inducible DNA repair which is accompanied by mutagenesis. Radman M. **Basic Life Sci** 5A:355–67, 1975 (44 ref.)

Lethal effect of freeze-drying on radiation-sensitive mutants of Escherichia coli. Tanaka Y, et al. **Biken J** 18(4):267–9, Dec 75

X-ray induced visible alterations in the giant chromosomes of Phryne cincta (Nematocera, Diptera): relation of radiation sensitivity to pronuclear chromosome structure. Israelewski N. **Chromosoma** 53(3):243–63, 10 Dec 75

Irradiation and radiation exposure. Rennert OM. **Clin Obstet Gynecol** 18(4):177–83, Dec 75 (15 ref.)

Mutagenic activity of hydrazine and its combinations with maleic mydrazide and X-rays in barley. Kak SN, et al. **Cytobios** 12(46):123–8, 1975

The effect of X-rays on strains and syngens of Paramecium aurelia differing in genetic affinity. Komala Z. **Folia Biol (Krakow)** 23(4):341–423, 1975

On the role of haemopoietic tissue in interstrain differences in radiosensitivity of mice. Vacek A, et al. **Folia Biol (Praha)** 21(2):103–10, 1975

Observations on a set of radiation-induced dominant T-like mutations in the mouse. Bennett D, et al. **Genet Res** 26(1):95–108, Aug 75

Genetic damage at specific gene loci in Drosophila with betatron X-rays. Alexander ML. **Genetics** 81(3):493–500, Nov 75

Temperature-sensitive cell-lethal mutants of drosophila: isolation and characterization. Arking R. **Genetics** (3):519–37, Jul 75

Evolution of experimental 'mutator' populations of Drosophila melanogaster. Benado MB, et al. **Genetics** 82(1):43–52, Jan 76

Gamma-ray mutagenesis in bacteriophage T4. Conkling MA, et al. **Genetics** 82(4):565–75, Spr 76

Genetic analysis of the proximal region of chromosome 2 of Drosophila melanogaster. I. Detachment products of compound autosomes. Hilliker AJ, et al. **Genetics** 81(4):705–21, Dec 75

Conclusions of the BEIR and UNSCEAR reports on radiation effects per man-rem. Cohen BL. **Health Phys** 30(4):351–2, Apr 76

Genetically significant dose from use of radiopharmaceuticals in Kuwait. Novotny J, et al. **Health Phys** 31(1):59–62, JUL 76

Mutations induced in two Drosophila melanogaster populations differeng in somatic sensitivity to irradiation. Eiche A. **Hereditas** 79(1):149–50, 1975

Enhancement by methylated oxypurines of the frequency of induced chromosomal aberrations. III. The effect in combination with X-rays on root tips of Vicia faba. Kihlman BA, et al. **Hereditas** 80(2):247–54, 1975

Induction of breviaristatum mutants in barley. Kucera J, et al. **Hereditas** 80(2):263–78, 1975

The effect of superoxide dismutase and catalase on radiation-induced chromosome breaks. Nordenson I, et al. **Hereditas** 82(1):125–6, 1976

Relationship between effects of X-rays on nondisjunction and crossing over in Drosophila melanogaster. Savontaus ML. **Hereditas** 80(2):195–204, 1975

The human leulocyte test system. VII. Further investigations concerning micronucleus-derived premature chromosome condensation. Obe G, et al. **Humangenetik** 30(2):143–54, 6 Nov 75

Quadratic analysis for induction of recessive lethal mutations in Drosophila oogonia by x irradiation. pp. 9–18. Abrahamson S, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Mutation process at low or high radiation doses. pp. 3–8. Abrahamson S.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Recovery during radiation mutagenesis. pp. 19–29. Deen DF, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

An analysis of radiation-induced damage in the spider mite. Relationship between mortality of haploid and diploid eggs in two successive generations. pp. 53–65. Leenhouts HP, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Dominant lethal tests of male mice given 239Pu salt injections. pp. 39–49. Lüning KG, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Environmental modulation of somatic mutations. pp. 31–8. Mericle RP, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Comparative studies of radiation-induced chromosome aberrations in several mammalian species. pp. 229–36. Muramatsu S, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Partial-target mutagenesis and carcinogenesis. pp. 361–8. von Borstel RC.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Influence of acute irradiation on induction of chromosome aberrations in cultured cells of the fish Ameca splendens. pp. 67–76. Woodhead DS.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Chromosome damage in human lymphocytes after different combinations of x-ray and ultrasonic treatment. pp. 3–9. Kunze-Mühl E.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

DNA damage and its repair in hyperthermic mammalian cells: relation to enhanced cell killing. pp. 703–17. Ben-Hur E, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Analysis of radiation-induced chromosome aberrations. pp. 998–1008. Brenot JM, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (67 ref.)

The use of chromosome aberrations for predicting genetic hazards to man. pp. 926–36. Brewen JG, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (56 ref.)

Genetic effects of UV on Escherichia coli—a model for prokaryotes. pp. 626–31. Bridges BA.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Comparison of the mutagenic effect of chemicals and ionizing radiation in the spermatogenic cells of the mouse. pp. 984–92. Cattanach BM.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Mutations in plant breeding—a glance back and a look forward. pp. 81–95. Gustafsson A.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (50 ref.)

Determinants of the mutagenic specificity of chemical and physical agents in microorganisms. pp. 966–75. Kilbey BJ.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (38 ref.)

The present status of DNA repair mechanisms in UV irradiated yeast taken as a model eukaryotic system. pp. 632–50. Moustacchi E, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (80 ref.)

Mutation and the amount of human ill health. pp. 937–46. Newcombe HB.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Problems in the reevaluation of genetic risks from radiation and other environmental hazards. pp. 169–81. Oftedal P.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Repair studies at the molecular, chromosomal, and cellular levels: a review of current work in Japan. pp. 694–702. Okada S.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (45 ref.)

Chemcial changes induced in DNA by ionizing radiation and the relationship of their repair to survival of mammalian cells. pp. 735–9. Painter RB.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Use of a purified lesion-recognizing enzyme to assay DNA repair in cultured animal cells. pp. 718–26. Paterson MC.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Radiology applied: mapping transcriptional organization in pro- and eukaryotes. pp. 651–62. Sauerbier W.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Use of the mouse to fill gaps in our risk assignments. pp. 947–56. Searle AG.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Direct evidence that damaged DNA results in neoplastic transformation—a fish story. pp. 879–84. Setlow RB, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

A comparison of the mutagenic effects of chemicals and ionizing radiation (Chairman's remarks). pp. 958–65. Sobels FH.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Studies on the mating competition of gamma-irradiated and non-irradiated males of melon fruit fly (Dacus cucurbitae). Ahmed CR. **Int J Appl Radiat Isot** 26(6–7):407–9, Jun–Jul 75

Potential for control of Cadra cautella (Walker) by release of fully or partially sterile males. Brower JH, et al. **Int J Appl Radiat Isot** 26(12):720–5, 1975

On the possible development of radio-resistance in Sitophilus oryzae (L.) following exposures of successive generations to ionizing radiation. Matin AS. **Int J Appl Radiat Isot** 26(10):625–6, Oct 75

Letter: Lack of radiosensitizing effect of extract from germinating barley seeds. Balachandran, et al. **Int J Radiat Biol** 27(6):607–10, Jun 75

Identification with G and R banding of the position of breakage points induced in human chromosomes by in vitro x-irradiation. Buckton KE. **Int J Radiat Biol** 29(5):475–88, May 76

Letter: Post-irradiation degradation of DNA in electron and neutron-irradiated E. coli B/r; the effect of the radiation sensitizer metronidazole. Cramp WA, et al. **Int J Radiat Biol** 29(4):385–9, Apr 76

Somatic aberration induction in Tradescantia occidentalis by neutrons, x- and gamma-radiations. I. Dosimetry. Dennis JA, et al. **Int J Radiat Biol** 29(4):311–21, Apr 76

Somatic aberration induction in Tradescantia occidentalis by neutrons, x- and gamma-radiations. II. Biological results, r.b.e. and o.e.r. Dennis JA. **Int J Radiat Biol** 29(4):323–42, Apr 76

Letter: Yield of single-strand breaks in the DNA of E. coli 10 msec after irradiation. Fox RA, et al. **Int J Radiat Biol** 29(4):391–4, Apr 76

Induction by gamma-radiation of DNA synthesis in radicle cells of germinating seeds of Pisum sativum l. Gudkov IN, et al. **Int J Radiat Biol** 29(5):455–62, May 76

DNA breakage, repair and lethality after 125I decay in rec+ and recA strains of Escherichia coli. Krisch RE, et al. **Int J Radiat Biol** 29(1):37–50, Jan 76

The relationship between chromosome aberrations and low LET radiation dose to human lymphocytes. Lloyd DC, et al. **Int J Radiat Biol** 28(1):75–90, Jul 75

Letter: Delayed plating recovery in diploid yeast of different sensitivities after X-ray and alpha-particle exposure. Schneider E, et al. **Int J Radiat Biol** 29(1):77–84, Jan 76

An elusive factor affecting mutation frequency in Tradescantia stamen hairs: its influence on r.b.e. Underbrink AG, et al. **Int J Radiat Biol** 28(6):527–38, Dec 75

Binding of radiation-induced phenylalanine radicals to DNA: influence on the biological activity of the DNA and on its sensitivity to the induction of breaks by gamma-rays. Van der Schans GP, et al. **Int J Radiat Biol** 29(1):51–63, Jan 76

Radiation as agents of somatic and genetic alterations. Rapp de Eston V. **J Am Med Wom Assoc** 30(11):445–9, Nov 75

Body-weight and chromosome aberrations induced by X-rays in somatic cells of Drosophila melanogaster. De Marco A, et al. **Mol Gen Genet** 146(1):1–4, 5 July 76

Mutagenic DNA repair in Escherichia coli. II. Factors affecting loss of photoreversibility of UV induced mutations. Doubleday OP, et al. **Mol Gen Genet** 140(3):221–30, 3 Oct 75

Repair in Schizosaccharomyces pombe as measured by recovery from caffeine enhancement of radiation-induced lethality. Gentner NE, et al. **Mol Gen Genet** 142(3):171–83, 30Dec 75

Fine genetic structure of the 2D3–2F5 region of the X-chromosome of Drosophila melanogaster. Gvozdev VA, et al. **Mol Gen Genet** 141(3):269–75, 1 Dec 75

DNA repair in Proteus mirabilis. III.Survival, dimer excision, and UV reactivation in comparison with Escherichia coli K12. Hofemeister J, et al. **Mol Gen Genet** 141(2):147–61, 24 Nov 75

Induced mutagenesis in Ustilago maydis. II. An in vivo biochemical assay. Lemontt JF. **Mol Gen Genet** 145(2):133–43, 7 May 76

Induced mutagenesis in Ustilago maydis. I. Isolation and characterization of a radiation-revertible allele of the structural gene for nitrate reductase. Lemontt JF. **Mol Gen Genet** 145(2):125–32, 7 May 76

Genetic exchanges caused by ultraviolet photoproducts in phage lambda DNA molecules: the role of DNA replication. Lin PF, et al. **Mol Gen Genet** 146(2):107–15, 23 Jul 76

Specific cross-linking of proteins S7 and L4 to ribosomal RNA, by UV irradiation of Escherichia coli ribosomal subunits. Möller K, et al. **Mol Gen Genet** 141(4):343–55, 9 Dec 75

Genetic control of chromosome instability in Aspergillus nidulans as a mean for gene amplification in eukaryotic microorganisms. Parag Y, et al. **Mol Gen Genet** 140(4):275–87, 22 Oct 75

The repair of double-strand breaks in the nuclear DNA of Saccharomyces cerevisiae and its genetic control. Resnick MA, et al. **Mol Gen Genet** 143(2):119–29, 16 Jan 76

Radiation sensitivity of a mutant of Escherichia coli K-12 associated with DNA replication: evidence for a new repair function. Srivastava BS. **Mol Gen Genet** 143(3):327–32, 2 Feb 76

recA+-dependent inactivation of the lambda repressor in Escherichia coli lysogens by gamma-radiation and by tif expression. West SC, et al. **Mol Gen Genet** 141(1):1–8, 3 Nov 75

Persistence and decay of thermoinducible error-prone repair activity in nonfilamentous derivatives of tif-1, Escherichia coli B/r: the timing of some critical events in ultraviolet mutagenesis. Witkin EM. **Mol Gen Genet** 142(2):87–103, 29 Dec 75

The influence of caffeine on cell survival in excision-proficient and excision-deficient xeroderma pigmentosum and normal human cell strains following ultraviolet-light irradiation. Arlett CF, et al. **Mutat Res** 33(2–3):341–6, Dec 75

Chromosome rearrangements from spermatogonial chronic neutron irradiation in mice. Bajrakova A, et al. **Mutat Res** 34(1):159–62, Jan 76

X-ray-induced chromosome aberrations in mouse dictyate oocytes. I. Time and dose relationships. Brewen JG, et al. **Mutat Res** 35(1):111®, Apr 76

On the fate of stable chromosomal aberrations. Carrano AV, et al. **Mutat Res** 30(1):153–6, Oct 75

X-ray-induced mutants resistant to 8-azaguanine. II. Cell cycle dose response. Carver JH, et al. **Mutat Res** 34(3):465–79, Mar 76

X-ray-induced mutants resistant to 8-azaguanine. I. Effects of cell density and expression time. Carver JH, et al. **Mutat Res** 34(3):447–63, Mar 76

Caffeine inhibition of the repair of ultraviolet-irradiated adenovirus in human cells. Day RS 3d. **Mutat Res** 33(2–3):321–6, Dec 75

Partial losses of sex chromosomes induced by X-rays in spermatozoa of Drosophila melanogaster. Falk R, et al. **Mutat Res** 29(3):397–406, Sep 75

Factors affecting the quantitation of dose-response curves for mutation induction in V79 Chinese hamster cells after exposure to chemical and physical mutagens. Fox M. **Mutat Res** 29(3):449–66, Sep 75

Radiation-induction of fractional mutations in Drosophila. Fujikawa K, et al. **Mutat Res** 30(2):283–8, Nov 75

Frequency of nonsense mutations (amber and ochre) induced by UV light in the ura3 gene in Saccharomyces cerevisiae. Gerola P, et al. **Mutat Res** 30(2):279–82, Nov 75

Proceedings: X-ray-induced chromosome aberrations in oocytes of mice. II. Sensitive stages in the oogenesis. Hansmann I, et al. **Mutat Res** 29(2):218, Aug 75

Radiation-induced numerical aberrations in wild type Drosophila females. Hawley RS. **Mutat Res** 33(2–3):391–4, Dec 75

Induction of DNA double-strand breaks by X-rays in a radiosensitive strain of the yeast Saccharomyces cerevisiae. Ho KS. **Mutat Res** 30(3):327–34, Dec 75

The gene dosage effect of the rad52 mutation on X-ray survival curves of tetraploid yeast strains. Ho KS. **Mutat Res** 33(2–3):165–72, Dec 75

Two mutations which confer temperature-sensitive radiation sensitivity in the yeast Saccharomyces cerevisiae. Ho KS, et al. **Mutat Res** 33(2–3):157–64, Dec 75

Lack of synergistic effect between X-ray and UV irradiation on the frequency of chromosome aberrations in PHA-stimulated human lymphocytes in the G1 stage. Holmberg M. **Mutat Res** 34(1):141–8, Jan 76

The effect of caffeine on survival of UV-irradiated diploid yeast strains of different sensitivities. Kiefer J. **Mutat Res** 30(3):317–26, Dec 75

Radiation-induced aneusomic clones in bone marrow of rats. Kohno SI, et al. **Mutat Res** 35(1):121–8, Apr 76

Mutagenic action of gamma-rays on transforming DNA of Bacillus subtilis. Kreneva RA, et al. **Mutat Res** 34(3):527–32, Mar 76

Isolation and characterization of variant clones of Chinese hamster cells after treatment with irradiated 5-iodouridine. Kuroda Y, et al. **Mutat Res** 33(2–3):285–98, Dec 75

Radiation-induced chromosomal aberrations in human lymphocytes. I. Dependence on the dose of gamma-rays and an anomaly at low doses. Luchnik NV, et al. **Mutat Res** 36(3):363–78, Sep 76

X-ray-induced recessive lethal mutations in the mouse. Lüning KG, et al. **Mutat Res** 34(1):163–74, Jan 76

Genetic effects of 239Pu salt injections in male mice. Lüning KG, et al. **Mutat Res** 34(3):539–42, Mar 76

The induction by X-rays of chromosome aberrations in male Guinea-pigs, rabbits and golden hamsters. III. Dose-response relationship after single doses of X-rays to spermatogonia. Lyon MF, et al. **Mutat Res** 29(3):407–22, Sep 75

The induction by X-rays of chromosome aberrations in male Guinea-pigs and golden hamsters. IV. Dose response for spermatogonia treated with fractionated doses. Lyon MF, et al. **Mutat Res** 30(1):117–28, Oct 75

Specific locus mutation rates after repeated small radiation doses to mouse oocytes. Lyon MF, et al. **Mutat Res** 30(3):375–82, Dec 75

Dose-response data for X-ray induced translocations in spermatogonia of Rhesus monkeys. Lyon MF, et al. **Mutat Res** 35(3):429–36, Jun 76

The relationship between chromosome damage and cell killing in UV-irradiated normal and xeroderma pigmentosum cells. Marshall RR, et al. **Mutat Res** 36(3):397–400, Sep 76

Lack of effect of sodium fluoride on a maternal repair system in Drosophila oocytes. Mendelson D. **Mutat Res** 34(2):245–50, Feb 76

Radiation-induced DNA scissions and their rejoining in testicular cells of mouse. Ono T, et al. **Mutat Res** 36(2):213–222, Aug 76

Mutation production from tritium decay: a local effect for (3H)a-adenosine and (3H)6-thymidine decays. Person S, et al. **Mutat Res** 34(2):327–32, Feb 76

X-ray induction of chromatid interchanges is somatic cells of Drosophila melanogaster: variations through the cell cycle of the pattern of rejoining. Pimpinelli S, et al. **Mutat Res** 35(1):101–10, Apr 76

Chromosome aberration yields in human lymphocytes induced by fractionated doses of x-radiation. Purrott RJ, et al. **Mutat Res** 34(3):437–45, Mar 76

The effect of changes in dose rate on the yield of chromosome aberrations in human lymphocytes exposed to gamma radiation. Purrott RJ, et al. **Mutat Res** 35(3):437–44, Jun 76

Proceedings: Comparative studies on spermatogonia of mice and Chinese hamsters after X-ray treatment. Rathenberg R. **Mutat Res** 29(2):205–6, Aug 75

Proceedings: X-ray-induced chromosome aberrations in oocytes of mice. I. Dose-dependent chromosome aberrations in ovulated oocytes after irradiation of the pre-ovulatory phase. Reichert W, et al. **Mutat Res** 29(2):217, Aug 75

Enrichment for auxotrophic and heat-sensitive mutants of Neurospora crassa by tritium suicide. Russell PJ, et al. **Mutat Res** 34(3):359–66, Mar 76

Evaluation and re-evaluation of genetic radiation hazards in man. II. The arm number hypothesis and the induction of reciprocal translocations in man. Sankaranarayanan K. **Mutat Res** 35(3):371–86, Jun 76

Evaluation and re-evaluation of genetic radiation hazards in man. III. Other relevant data and risk assessment. Sankaranarayanan K. **Mutat Res** 35(3):387–414, Jun 76

A comparison of chromosomal radiosensitivities of somatic cells of mouse and man. Sasaki MS. **Mutat Res** 29(3):433–48, Sep 75

Evaluation and re-evaluation of genetic radiation hazards in man. I. Interspecific comparison of estimates of mutation rates. Schalet AP, et al. **Mutat Res** 35(3):341–70, Jun 76

Proceedings: Mutational response of mouse spermatozoa to methyl methanesulphonate. Schiechtl J, et al. **Mutat Res** 29(2):206, Aug 75

Potentiation by caffeine of ultraviolet-light damage in cultured human cells. Schroy CB, et al. **Mutat Res** 33(2–3):347–56, Dec 75

Proceedings: Changes in sensitivity of the maturing mouse oocyte to the induction of cytogenetic damage. Searle AG, et al. **Mutat Res** 29(2):219, Aug 75

Innate metabolic differences and mutagen sensitivity of Drosophila melanogaster. I. Radiosensitivity of hyperkinetic mutant. Sharma RP, et al. **Mutat Res** 30(1):77–82, Oct 75

Fate of thymine-containing dimers in the deoxyribonucleic acid of ultraviolet-irradiated mutator T1 Escherichia coli transductants. Sideropoulos AS. **Mutat Res** 34(1):55–68, Jan 76

The resistance of Micrococcus radiodurans to killing and mutation by agents which damage DNA. Sweet DM, et al. **Mutat Res** 34(2):175–86, Feb 76

Trisomy and triploidy induced by X-irradiation of mouse spermatocytes. Szemere G, et al. **Mutat Res** 33(2–3):229–38, Dec 75

Cytogenetic analysis of X-ray-induced chromosome aberrations in spontaneously leukaemic AKR mice. Szollár J. **Mutat Res** 29(3):423–32, Sep 75

Factors affecting the efficiency of purine analogues as selective agents for mutants of mammalian cells induced by ionising radiation. Thacker J, et al. **Mutat Res** 35(3):465–78, Jun 76

Comparison of ultraviolet and blacklight for the induction of nutritional independence at two loci in Neurospora crassa. Tuveson RW, et al. **Mutat Res** 36(2):165–70, Aug 76

A comparative study of the frequencies of radiation-induced chromosome aberrations in somatic and germ cells of the Rhesus monkey (Macaca mulatta). van Buul PP. **Mutat Res** 36(2):223–36, Aug 76

Translocation induction in one-and multigeneration irradiated mouse populations. van BUUL PW. **Mutat Res** 36(1):115–8, Jul 76

Evidence for a third type of UV. repair in bacteriophage T4. Van Minderhout L, et al. **Mutat Res** 35(1):161–5, Apr 76

Linear dose—response relationships after prolonged expression times in V-79 Chinese hamster cells. Van Zeeland AA, et al. **Mutat Res** 35(1):129–37, Apr 76

Partial suppression of the LexA phenotype by mutations (rnm) which restore ultraviolet resistance but not

ultraviolet mutability to Escherichia coli B/r uvr A lexA. Volkert MR, et al. **Mutat Res** 36(1):17–28, Jul 76

Estimation of the effects of chemical mutagens: lessons from radiation genetics. Wolff S. **Mutat Res** 33(1 Spec No):95–102, Nov 75

Preliminary evidence of the influence of caffeine concentration on modification of maternal repair of chromosome breaks induced by X-rays in the paternal genome of Drosophila. Zimmering S, et al. **Mutat Res** 30(2):289–92, Nov 75

Effect of caffeine on recovery from DEB-induced cell inactivation in UV-sensitive mutants of Saccharomyces cerevisiae. Zuk J, et al. **Mutat Res** 33(2–3):173–8, Dec 75

Cytogenic effects of plutonium-239 in male mice. Beechey CV, et al. **Nature** 256(5518):577–8, 14 Aug 75

Perturbations in cell cycle progression from radioactive DNA precursors. Ehmann UK, et al. **Nature** 258(5536):633–6, 18 Dec 75

Divergent X-ray-induced mutation rates in the mouse for H and '7-locus' groups of loci. Kohn HI, et al. **Nature** 259(5540):209–10, 22 Jan 76

Ataxia telangiectasia: a human mutation with abnormal radiation sensitivity. Taylor AM, et al. **Nature** 258(5534):427–9, 4 Dec 75

Thymine hydroperoxide as a mediator in ionising radiation mutagenesis. Thomas HF, et al. **Nature** 259(5541):341–2, 29 Jan 76

Base substitution mutations induced in Salmonella strains by visible light (450 nm). Speck WT, et al. **Photochem Photobiol** 21(5):369–71, May 75

Influence of energy metabolism on the repair of x-ray damage in living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast. Jain VK, et al. **Radiat Environ Biophys** 12(4):315–20, 4 Dec 75

Do one-hit chromosome exchanges exist? Dose-response relation for irradiated human lymphocytes. Luchnik NV. **Radiat Environ Biophys** 12(3):197–204, 2 Oct 75

Rdiasensitivity and radiation-induced mutability: an empirical relationship. Trujillo R, et al. **Radiat Environ Biophys** 12(3):253–6, 2 Oct 75

The radiotoxicity of iodine-125 in mammalian cells. I. Effects on the survival curve of radioiodine incorporated into DNA. Bradley EW, et al. **Radiat Res** 64(3):555–63, Dec 75

Embryonic development and induced dominant lethality in F eggs of Chilo partellus Swinhoe. Bughio AR. **Radiat Res** 67(2):299–304, Aug 76

Formyl radicals in x-irradiated frozen aqueous solutions of DNA and nucleic acids constitutents. Cannistraro S, et al. **Radiat Res** 64(3):581–92, Dec 75

Dominant lethal mutations in mice resulting from chronic tritiated water (HTO) ingestion. Carsten AL, et al. **Radiat Res** 66(3):609–14, Jun 76

The radiotoxicity of iodine-125 in mammalian cells II. A comparative study on cell survival and cytogenetic responses to 125IUdR, 131TUdR, and 3HTdR. Chan PC, et al. **Radiat Res** 67(2):332–43, Aug 76

Radiation and chemically induced potentially lethal lesions in noncycling mammalian cells: recovery analysis in terms of x-ray- and ultraviolet-like-systems. Hahn GM. **Radiat Res** 64(3):533–45, Dec 75

The effect of ultraviolet light on the frequency of a genetic duplication in Salmonella typhimurium. Hoffmann GR, et al. **Radiat Res** 67(1):114–9, Jul 76

The effect of extreme hypoxia on the repair of DNA single-strand breaks in mammalian cells. Koch CJ, et al. **Radiat Res** 64(2):256–69, Nov 75

Letter: On the repairable sublethal damage induced by 210Po alpha rays and 60Co gamma rays in diploid yeast. Murthy MS, et al. **Radiat Res** 64(2):376–9, Nov 75

Estimation of life times and diffusion distances of radicals involved in x-ray-induced DNA strand breaks of killing of mammalian cells. Roots R, et al. **Radiat Res** 64(2):306–20, Nov 75

Radiation-induced DNA strand breaks and their rejoining in crypt and villous cells of the small intestine of the mouse. Rydberg B, et al. **Radiat Res** 64(2):281–92, Nov 75

The application of rapid lysis techniques in radiobiology. I. The effect of oxygen and radiosensitizers on DNA strand break production and repair in E. coli B/r. Sapora O, et al. **Radiat Res** 64(3):431–42, Dec 75

Cytogenetical studies on the effects of high natural radiation levels in Tityus bahiensis (Scorpiones, Buthidae) from Morro do Ferro, Brazil. Takahashi CS. **Radiat Res** 67(2):371–81, Aug 76

Letter: Temperature-dependence of repair of sublethal radiation damage in Drosophila. Webb JV, et al. **Radiat Res** 65(1):187–90, Jan 76

Possible genetic consequences of irradiation of tumors in childhood. Lewis EB. **Radiology** 114(1):147–53, Jan 75

Genetic damage by photodynamic action: introductory remarks. Zelle MR. **Res Prog Org Biol Med Chem** 3 Pt 1:273–9, 1972

Genetic effects of photodynamic action. Zelle MR. **Res Prog Org Biol Med Chem** 3 Pt 1:280–96, 1972 (62 ref.)

Carcinogenic effect of radiation on the mouse embryo; physical aspects of radiation dosimetry. Agarwal YC, et al. **Strahlentherapie** 150(6):618–23, Dec 75

Dominant lethals following acute spermatogonial X-irradiation in the rat. Baev I, et al. **Strahlentherapie** 151(4):382–5, Apr 76

Genetic risks from medical radiation. Seelentag W. **WHO Chron** 29(4):117–22, Apr 75

Feathery outbrusts of the colonies of Clostridium sporogenes containing chain forming mutants after ultraviolet irradiation. Shaikh MR, et al. **Zentralbl Bakteriol [Orig A]** 231(4):485–90, May 75

[The phasic radiosensitivity of human lymphocytes to the effects of protons] Todorov S, et al. **Eksp Med Morfol** 12(3):142–5, 1973 (Eng. Abstr.) **(Bul)**

[Chromosome aberrations in persons occupationally exposed to ionizing radiation] Horvat D. **Arh Hig Rada Toksikol** 26(2):139–46, 1975 (Eng. Abstr.) **(Cro)**

[The abuse of x-ray for diagnostic purposes] Reding R. **Brux Med** 55(4):208–13, Apr 75 **(Fre)**

[Repair of damage induced by x-rays to embryos of Drosophila (D. melanogaster Meig)] Ghélélovitch S. **Int J Radiat Biol** 27(6):513–23, Jun 75 (Eng. Abstr.) **(Fre)**

[Chromosome aberrations induced in vitro by low-TEL radiation in human blood cells. I.] Feremans W. **J Belge Radiol** 55(2):207–221, Mar–Apr 72 **(Fre)**

[X-Irradiation of mature Drosophila sperm: mutation rates after insemination of aged and freshly produced eggs] Bürki K. **Arch Genet (Zur)** 47(2):105–26, 1974 (Eng. Abstr.) **(Ger)**

[Genetic hazards in a technological age (author's transl)] Ehling UH. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):166–71, Feb 76 (Eng. Abstr.) **(Ger)**

[Examinations on the specific effect of low doses of ionizing radiations on cultivated plants. III. (author's transl)] Degner W, et al. **Radiobiol Radiother (Berl)** 16(6):705–10, 1975 (Eng. Abstr.) **(Ger)**

[The quantitative analysis of the influence of dose fractionation on the relative cytogenetic effectivity of high-energy electrons (author's transl)] Percov LL, et al. **Radiobiol Radiother (Berl)** 16(6):663–70, 1975 (Eng. Abstr.) **(Ger)**

[Genetic and embryonic radiation injuries] Konermann G. **Roentgenpraxis** 28(4):93–8, Apr 75 **(Ger)**

[Meiotic disorders as apparent cause of abnormal spermatozoa] Stolla R, et al. **Verh Anat Ges** 68:117–21, 1974 (Eng. Abstr.) **(Ger)**

[Mutagenicity testing of irradiated laboratory animal food in the host-mediated assay with Salmonella typhimurium TA 1530] Münzer R, et al. **Zentralbl Veterinaermed [B]** 23(2):117–21, Mar 76 (Eng. Abstr.) **(Ger)**

]Chromosome changes induced by ionizing radiations. Case reports (author's transl)] Fontana L, et al. **Lav Um** 27(6):188–200, Nov 75 (Eng. Abstr.) **(Ita)**

[Estimation of population doses from diagnostic medical examinations in Japan, 1974. 2. Estimation of genetically significant dose (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 36(3):208–15, Mar 76 (Eng. Abstr.) **(Jpn)**

[Human genetic studies in regions of high natural radiation. IV. Research in radioactive areas] Freire-Maia A. **An Acad Bras Cienc** 46(2):333–47, Jun 74 (Eng. Abstr.) **(Por)**

[Human genetics in areas of high natural radiation. VI. Genetic charge and ethnic group] Freire-Maia A. **Rev Bras Biol** 34(4):523–30, 1974 (Eng. Abstr.) **(Por)**

[Human genetics studies in areas of high natural radiation. VII. Genetic load (author's transl)] Freire-maia A. **Rev Bras Pesqui Med Biol** 8(3–4):287–99, May–Aug 75 (Eng. Abstr.) **(Por)**

[Independence of u.-v.-induced mutagenesis on the postradiation replication of DNA in Bacillus subtilis] Dubinin NP, et al. **Dokl Akad Nauk SSSR** 228(6):1449–51, 1976 **(Rus)**

[Structural mutations of chromosomes in the 2d cell cycle during radiation and chemical mutagenesis] Dubinin NP, et al. **Dokl Akad Nauk SSSR** 228(2):467–9, 1976 **(Rus)**

[Prolonged radiation mutagenesis] Dubinina LG, et al. **Dokl Akad Nauk SSSR** 226(5):1196–8, 11 Feb 76 **(Rus)**

[Method of selective damage to cells with different levels of ribonucleic acid synthesis] Polikarpova SI, et al. **Dokl Akad Nauk SSSR** 224(1):216–9, Sep–Oct 75 **(Rus)**

[Repair of breaks induced by x-rays in the DNA of the blue-green alga Anacystis nidulans] Shestakov SV, et al. **Dokl Akad Nauk SSSR** 222(5):1217–9, 11 Jun 75 **(Rus)**

[Rejoining of DNA double strand breaks in gamma-irradiated HeLa Zh-63 cells incubated in the presence of caffeine] Vikhanskaia OL, et al. **Dokl Akad Nauk SSSR** 226(6):1436–8, 21 Feb 76 **(Rus)**

[Participation of dnaG+ gene product in the repair of gamma-induced damage to Escherichia coli DNA] Zhestianikov VD, et al. **Dokl Akad Nauk SSSR** 226(6):1439–42, 21 Feb 76 **(Rus)**

[A cytogenetic analysis of the antimutagenic action of alpha-tocopherol on spontaneous and radiation-induced chromosomal mutations] Alekperov UK, et al. **Genetika** 10(7):12–17, 1975 (Eng. Abstr.) **(Rus)**

[Participation of the uvr-12 gene of Salmonella abony in the excision pathway to repair of DNA damage] Andreeva IV, et al. **Genetika** 9(11):177–80, Nov 73 (Eng. Abstr.) **(Rus)**

]Effect of kinetin on the formation of chromosome aberrations during irradiation of Crepis capillaris L. seeds and its radioprotective effect] Araratian LA, et al. **Genetika** 11(5):28–34, 1975 (Eng. Abstr.) **(Rus)**

]Effect of kinetin on the formation of chromosome aberrations during irradiation of Crepis capillaris L. seeds and its radioprotective effect] Araratian LA, et al. **Genetika** 11(5):28–34, 1975 (Eng. Abstr.) **(Rus)**

[Analysis of the inheritance by yeasts of radiation and nitrous acid sensitivity] Arman IP, et al. **Genetika** 10(1):112–8, Jan 74 (Eng. Abstr.) **(Rus)**

[Ploidy and liquid-holding recovery in yeasts sensitive to radiation and nitrous acid] Arman IP, et al. **Genetika** 11(5):80–9, 1975 (Eng. Abstr.) **(Rus)**

[Ploidy and liquid-holding recovery in yeasts sensitive to radiation and nitrous acid] Arman IP, et al. **Genetika** 11(5):80–9, 1975 (Eng. Abstr.) **(Rus)**

[The role of vegetative and reparative DNA synthesis in correcting single-strand breaks arising upon exposure of Escherichia coli to gamma rays] Bresler SE, et al. **Genetika** 11(10):79–89, 1975 (Eng. Abstr.) **(Rus)**

[Diploid radiation gynogenesis in carp. I. Massive production of diploid gynogenetic progeny] Cherfas NB. **Genetika** 11(7):78–86, 1975 (Eng. Abstr.) **(Rus)**

[Undulating kinetics factors in radiation mutagenesis] Dubinina LG, Shanazarova AS, et al. **Genetika** 12(2):74–82, 1976 (Eng. Abstr.) **(Rus)**

[Reparative processes of damaged chromosomes in non-stimulated human peripheral blood lymphocytes by the fractionated irradiation method and temperature variation] Elisova TV. **Genetika** 11(2):168–74, 1975 (Eng. Abstr.) **(Rus)**

[Processes of chromosome damage repair in unstimulated human peripheral blood lyphocytes by the method of fractional irradiation and temperature variation] Elisova TV. **Genetika** 11(2):168–74, 1975 (Eng. Abstr.) **(Rus)**

[UV-mutagenesis in Bacillus subtilis. II. Repair of the biological activity of cellular DNA in conditions determining the sensitivity of cells to the mutagenic action of ultraviolet light] Filippov VD, et al. **Genetika** 9(10):97–105, Oct 73 (Eng. Abstr.) **(Rus)**

[UV-mutagenesis in Bacillus subtilis. IV. Analysis of revertants to methionine prototrophy] Fillippov VD, et al. **Genetika** 11(8):77–80, 1975 (Eng. Abstr.) **(Rus)**

[Structure of the interphase nucleus and formation of chromosome aberrations in Crepis capillaris] Generalova MV. **Genetika** 11(7):40–54, 1975 (Eng. Abstr.) **(Rus)**

[Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans. IV. Study of photoreactivation capability in uvs+- and uvs--strains] Kameneva SV, et al. **Genetika** 9(11):146–52, Nov 73 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of cells at different stages of the mitotic cycle in Crepis capillaris L. seedlings] Kaznadzei VV. **Genetika** 10(1):42–52, Jan 74 (Eng. Abstr.) **(Rus)**

[Effect of pulse and prolonged x-rays in air and in nitrogen on the frequency of sex-linked recessive lethal mutations in Drosophila melanogaster] Khaimovich TI, et al. **Genetika** 11(5):57–62, 1975 (Eng. Abstr.) **(Rus)**

[Effect of pulse and prolonged x-rays in air and in nitrogen on the frequency of sex-linked recessive lethal mutations in Drosophila melanogaster] Khaimovich TI, et al. **Genetika** 11(5):57–62, 1975 (Eng. Abstr.) **(Rus)**

[Nature of dwarf mutants in Chlorella] Kogan IG, et al. **Genetika** 9(12):76–83, Dec 73 (Eng. Abstr.) **(Rus)**

[Relationship between the interval of time between application and the cytogenetic effect of combined x-rays and thio-TEPA in the cells of human embryos cultivated in vitro] Korotkikh IM, et al. **Genetika** 10(12):152–5, Dec 74 (Eng. Abstr.) **(Rus)**

[Structural changes in the chromosomes of the peripheral blood lymphocytes of monkeys subjected to daily long-term irradiation] Kosichenko LP. **Genetika** 12(3):134–40, 1976 (Eng. Abstr.) **(Rus)**

[Role of cytosine photohydrates in the UV-induced mutagenesis of phage Sd] Kriviskii AS, et al. **Genetika** 11(9):98–103, 1975 (Eng. Abstr.) **(Rus)**

[The effect of cysteamine on x-ray induction of mutations resulting in resistance to 8-azaguanine in Chinese hamster cells in vitro] Kuznetsova NN, et al. **Genetika** 11(12):56–63, 1975 **(Rus)**

[The 'protective' effect of gamma-irradiation of cells in metaphase of mitosis following V-irradiation during the S period] Lebedeva LI, et al. **Genetika** 11(10):24–9, 1975 (Eng. Abstr.) **(Rus)**

[Spontaneous and radiation-induced chromosomebreaks] Lebedeva LI, et al. **Genetika** 11(3):29–36, 1975 (Eng. Abstr.) **(Rus)**

[Spontaneous and radiation-induced chromosome breaks] Lebedeva LI, et al. **Genetika** 11(3):29–36, 1975 (Eng. Abstr.) **(Rus)**

[Clonal analysis of the progeny of UV-irradiated Bacillus subtilis (uvr+ and uvr-) cells] Lotareva OV, et al. **Genetika** 11(12):146–9, 1975 (Eng. Abstr.) **(Rus)**

[Genetic control of sensitivity of mammalian cells to the lethal and mutagenic action of ultraviolet rays] Manuilova ES, et al. **Genetika** 9(11):82–9, Nov 73 (Eng. Abstr.) **(Rus)**

[Chemical and radiation chromosomal mutagenesis in rat liver cells] Mutovin GR, et al. **Genetika** 11(10):170–2, 1975 **(Rus)**

[Effect of copper ions on chromosome structural mutations caused by Cs1 37 gamma rays in moist seed cells of Crepis capillaris L] Nemtseva LS, et al. **Genetika** 11(5):23–7, 1975 (Eng. Abstr.) **(Rus)**

[Effect of copper ions on chromosome structural mutations caused by Cs1 37 gamma rays in moist seed cells of Crepis capillaris L] Nemtseva LS, et al. **Genetika** 11(5):23–7, 1975 (Eng. Abstr.) **(Rus)**

[Effect of UV-radiation, caffeine and nalidixic acid on cell division in UV-sensitive filament-forming Salmonella mutants] Pokrovskii VN, et al. **Genetika** 10(1):123–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Comparison of the radiosensitivity of chromosomes during the S and G2 periods in regenerating rat liver cells]

Polishchuk AM, et al. **Genetika** 12(4):35–40, 1976 (Eng. Abstr.) **(Rus)**

[The effect of cystamine on the outcome of dominant lethal mutations and reciprocal translocations in sex cells of mice subjected to gamma-irradiation in different doses] Pomerantseva MD, et al. **Genetika** 10(7):55–61, 1975 (Eng. Abstr.) **(Rus)**

[Mutagenic effect of different types of radiation on the sex cells of male mice. VIII. Frequency of development of reciprocal translocations in the spermatogonia of mice subjected to chronic gamma radiation] Pomerantseva MD, et al. **Genetika** 11(3):81–6, 1975 (Eng. Abstr.) **(Rus)**

[The mutagenic effect of different types of irradiation on the sex cells of male mice. VIII. Frequency of development of reciprocal translocations in the spermatogonia of mice subjected to chronic gamma-irradiation] Pomeratseva MD, et al. **Genetika** 11(3):81–6, 1975 (Eng. Abstr.) **(Rus)**

[Isolation from a natural population of strains of Drosophila with increased radiosensitivity] Sechkina ER. **Genetika** 9(10):160–2, Oct 73 (Eng. Abstr.) **(Rus)**

[Effect of gamma-radiation on human chromosomes. VII. Relation between chromatid-type aberrations and the cell cycle] Sevan'kaev AV, et al. **Genetika** 9(11):165–71, Nov 73 (Eng. Abstr.) **(Rus)**

[Genetic control of sporulation in Saccharomyces paradoxus yeasts] Shatirishvili AF. **Genetika** 9(11):107–13, Nov 73 (Eng. Abstr.) **(Rus)**

[Genetic effects induced in populations by the radioactive products from U235 nuclear fission. I. Mutational process in Chlorella vulgaris populations during prolonged exposure to U235 nuclear fission products] Shevhcenko VA, et al. **Genetika** 10(2):106–14, Feb 74 (Eng. Abstr.) **(Rus)**

[The combined and separate action of ethylene imine and gamma rays and inhibition of DNA synthesis] Sidorov VI, et al. **Genetika** 10(10):38–46, 1974 (Eng. Abstr.) **(Rus)**

[Combined effect of gamma rays and ethyleneimine in the presynthetic period of the mitotic cycle on cells of Crepis capillaris L. seeds] Sidorov VP. **Genetika** 10(1):34–41, Jan 74 (Eng. Abstr.) **(Rus)**

[Cytogenetic study of the combined effect of ethyleneimine and gamma rays on cells of Crepis capillaris seeds in 2 successive mitotic cycles] Sidorov VP. **Genetika** 10(2):33–41, Feb 74 (Eng. Abstr.) **(Rus)**

[UV-induced mutability to prototrophy in isogenic str A+ and str A- strains of Escherichia coli] Skavronskaia AG, et al. **Genetika** 9(10):163–5, Oct 73 (Eng. Abstr.) **(Rus)**

[Co60 gamma-ray sensitivity of a series of strains of Saccharomyces cerevisiae yeasts bearing different mutations. I. Radiosensitivity of haploid strains] Sokurova EN. **Genetika** 11(3):122–6, 1975 (Eng. Abstr.) **(Rus)**

[Effect of uvs1, uvs2 and xrs mutations on the radiosensitivity of and frequency of induced mitotic recombination in diploid yeast cells] Suslova NG, et al. **Genetika** 11(11):58–66, 1975 (Eng. Abstr.) **(Rus)**

[Genetic processes in irradiated populations. I. Effect of chronic x-irradiation on the frequency and concentration of lethal and semilethal mutations in the 2d chromosome in laboratory populations of Drosophila melanogaster] Tomenko TV. **Genetika** 9(12):40–4, Dec 73 (Eng. Abstr.) **(Rus)**

[Genetic processes in irradiated populations. II. Effect of chronic x-radiation on the concentration of visible mutations in laboratory populations of Drosophila melanogaster] Tomenko TV. **Genetika** 10(1):99–104, Jan 74 (Eng. Abstr.) **(Rus)**

[Assessment of the genetically significant doses due to x-ray studies conducted in the Azerbaijani SSR] Kafarov RG. **Gig Sanit** (9):111–3, Sep 75 **(Rus)**

[Persistent dying-off effect in succeeding generations of irradiated yeast cells] Bychkovskaia IB, et al. **Radiobiologiia** 15(3):384–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of cysteine on single-stranded breaks induced by ionizing radiation and on their repair] Hernadi F, et al. **Radiobiologiia** 15(6):913–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Study of the transcription process in thymus cells of x-irradiated rats. 1. Hybridization of nuclear RNA with repeated and unique DNA sequences] Khanson KP, et al. **Radiobiologiia** 16(1):6–10, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[DNA-dependent RNA-polymerase of the organs of irradiated animals. Report 6. Role of enzyme changes in disturbance of the process of transcription] Likhoded VS, et al. **Radiobiologiia** 15(5):741–4, Sep–Oct 75 (21 ref.) (Eng. Abstr.) **(Rus)**

[Cytogenetic studies during 6-year-long irradiation of dogs] Tsessarskaia TP. **Radiobiologiia** 15(3):434–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Cytogenetic effects of irradiation in a primary culture of Macaca mulatta kidneys. II] Machavariani MG. **Tsitol Genet** 10(1):12–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[The effect of dose and dose rate of gamma radiation on changes in the quantitative indices of tomatoes] Savin VN, et al. **Tsitol Genet** 10(1):53–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Quantitative description of the process of radiation inactivation of cells. VII. Nature of primary radiation lesions leading to reproductive cell death] Barsukov VS. **Tsitologiia** 17(7):846–53, Jul 75 (Eng. Abstr.) **(Rus)**

[Frequency of radiation-induced exchanges in simian marker chromosomes] Dzhemilev ZA, et al. **Tsitologiia** 18(5):605–10, 1976 (Eng. Abstr.) **(Rus)**

['Ultra-fast' repair of single-stranded breaks in DNA in gamma-irradiated Chinese hamster cells] Sergeeva SA, et al. **Tsitologiia** 17(12):1434–6, Dec 75 (Eng. Abstr.) **(Rus)**

[Current problems of radiation genetics] Luchnik NV. **Vestn Akad Med Nauk SSSR** (2):67–72, 1975 (33 ref.) (Eng. Abstr.) **(Rus)**

[Longitudial study on the frequency of structural chromosomal aberrations in a group of radiologists (author's transl)] Cobo A, et al. **Rev Invest Clin** 28(02):161–5, Apr–Jun 76 (Eng. Abstr.) **(Spa)**

RADIATION INJURIES

Neurologic complications after irradiation of the cervical spinal cord for malignant tumour of the head and neck. Baekmark UB. **Acta Radiol [Ther] (Stockh)** 14(1):33–41, Feb 75

Radiation-induced lesions of the brachial plexus correlated to the dose-time-fraction schedule. Svensson H, et al. **Acta Radiol [Ther] (Stockh)** 14(3):228–38, Jun 75

Complications following radiotherapy in gynaecological carcinoma: comparison between X-ray and megavoltage therapy. Punnonen R, et al. **Ann Chir Gynaecol Fenn** 65(1):62–7, 1976

Vascular alterations in delayed radiation necrosis of the brain. An electron microscopical study. Llena JF, et al. **Arch Pathol Lab Med** 100(10):531–4, Oct 76

Head and neck irradiation: Its role in the production of thyroid gland abnormalities including cancer. Block MB. **Ariz Med** 33(1):36–7, Jan 76

Radiation-induced malformations in man. Merz T. **Birth Defects** 12(5):19–22, 1976

Effects of fast neutrons on the eye. Roth J, et al. **Br J Ophthalmol** 60(4):236–44, Apr 76

Proceedings: Cumulative radiation effect in the assessement of moulds, implants and insertions. Kirk J. **Br J Radiol** 48(575):948–9, Nov 75

Analysis of dose, dose-rate and treatment time in the production of injuries by radium treatment for cancer of the uterine cervix. Lee KH, et al. **Br J Radiol** 49(581):430–44, May 76

Radiation enteritis following radiotherapy for prostatic carcinoma. Duggan FJ Jr, et al. **Br J Urol** 47(4):441–4, Aug 75

Observations on radiation myelopathy. Godwin-Austen RB, et al. **Brain** 98(4):557–68, Dec 75

Normal tissue tolerance and damage. **Cancer** 37(4 Suppl):2046–55, Apr 76

Delayed cerebrovascular consequences of therapeutic radiation. A clinicopathologic study of a stroke associated with radiation-related carotid arteriopathy. Conomy JP, et al. **Cancer** 36(5):1702–8, Nov 75

Long-term effects on external radiation on the pituitary and thyroid glands. Fuks Z, et al. **Cancer** 37(2 Suppl):1152–61, Feb 76 (66 ref.)

The effects of gonadal irradiation in clinical radiation therapy: a review. Lushbaugh CC, et al. **Cancer** 37(2 Suppl):1111–25, Feb 76 (20 ref.)

Late effects of therapeutic irradiation on the skeleton and bone marrow. Parker RG, et al. **Cancer** 37(2 Suppl):1162–71, Feb 76

Early assessment of normal tissue tolerance of fast neutron beam radiation therapy. Parker RG, et al. **Cancer** 38(3):1118–23, Sep 76

Lethal and sublethal cellular injury in multifraction irradiation. Withers HR. **Eur J Cancer** 11(8):581–3, Aug 75

The anatomy of the late radiation encephalopathy. De Reuck J, et al. **Eur Neurol** 13(6):481–94, 1975

Ocular hazards and potential uses of near-ultraviolet light. Zigman S. **Eye Ear Nose Throat Mon** 55(3):78–82, Mar 76 (35 ref.)

Some problems in radiation exposure of pregnant women. Tabuchi A, et al. **Hiroshima J Med Sci** 24(4):213–28, Dec 75

The late effects of acute external exposure to ionizing radiation in man. pp. 132–45. Jablon S.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (22 ref.)

Late somatic effects in syngeneic radiation chimaeras. III. Observations on animals repopulated with irradiated marrow. Metalli P, et al. **Int J Radiat Biol** 29(5):413–32, May 76

Subclavian artery occlusion following radiation therapy. A case history. Loeffler RK. **Invest Radiol** 10(4):391–3, Jul–Aug 75

Management of patients with a history of radiation therapy to the head and neck during childhood. **J Kans Med Soc** 77(5):212, May 76

Review of thirty years study of Hiroshima and Nagasaki atomic bomb survivors. II. Biological effects. A. Acute effects. Okita T. **J Radiat Res (Tokyo)** 16 Suppl:49–66, Sep 75

Localized ureteral fibrosis: an unrecognized complication of radiation therapy for prostatic carcinoma. Jacobs JA, et al. **J Urol** 115(5):610–1, May 76

Radiation nephritis: a review. Madrazo A, et al. **J Urol** 114(6):822–7, Dec 75 (29 ref.)

Editorial: Irradiation of volunteers in medical research. **Lancet** 1(7950):75, 10 Jan 76

Sensori-heural hearing loss following radiotherapy to the nasopharynx. Moretti JA. **Laryngoscope** 86(4):598–602, Apr 76

Measurements of erythemally effective ultraviolet radiation and total ozone content. Barton IJ, et al. **Nature** 258(5530):68–9, 6 Nov 75

Radiation-induced cerebrovascular disease in children. Wright TL, et al. **Neurology (Minneap)** 26(6 PT 1):540–3, Jun 76

Redistribution of radiocolloid uptake after focal hepatic radiation. Spencer RP, et al. **Oncology** 32(5–6):266–8, 1975

Embryological pigment epithelial dystrophies. François J. **Ophthalmologica** 172(6):417–33, 1976 (58 ref.)

Subclavian artery occlusion following radiotherapy for carcinoma of the breast. Budin JA, et al. **Radiology** 118(1):169–73, Jan 76

Aspermia and recovery of spermatogenesis in cancer patients following incidental gonadal irradiation during treatment: a progress report. Hahn EW, et al. **Radiology** 119(1):223–5, Apr 76

Aorto-oesophageal fistula complicating carcinoma of the oesophagus. Review of the literature and report of a case following irradiation and cytostatic therapy. Söreide O, et al. **Scand J Thorac Cardiovasc Surg** 10(1):79–84, 1976

Liver dysfunction following whole-body Co-60 irradiation in gerbil (Meriones Hurrianae Jerdon) and house rat (Rattus rattus Rufescens). Dixit VP, et al. **Strahlentherapie** 152(2):183–6, Aug 76

Aplastic anemia in Japanese radiological technicians. Kitabatake T, et al. **Strahlentherapie** 152(2):187–90, Aug 76

Endogenous biochemical factors affecting the efficiency of some radioprotective or radiosensitizing drugs: sulfhydryl groups and lipid peroxides. Păuşescu E, et al. **Strahlentherapie** 151(1):88–95, Jan 76

Radiation necrosis of the brain following radiotherapy of extracerebral neoplasms. Kusske JA, et al. **Surg Neurol** 6(1):15–20, Jul 76

[Lens opacities in uranium miners] France A. **Cesk Oftalmol** 31(5):340–4, Sep 75 (Eng. Abstr.) **(Cze)**

[Radiation induced malignant hypertension treated by unilateral nephrectomy] Pedersen OL, et al. **Ugeskr Laeger** 138(7):425–6, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Roentgenologic aspects of radiation-induced enteritis] Schlangen JT. **Ned Tijdschr Geneeskd** 119(42):1619–24, 18 Oct 75 (Eng. Abstr.) **(Dut)**

[Late radionecrosis of the cerebrum] van Duinen MT. **Ned Tijdschr Geneeskd** 120(7):282–95, 14 Feb 76 (Eng. Abstr.) **(Dut)**

[Postradiotherapy renal insufficiency] de Prost Y, et al. **Ann Med Interne (Paris)** 126(4):303–8, Apr 75 **(Fre)**

[2 cases of post-radiation stenosis of the main cerebral artery trunks] Pepin B, et al. **Ann Med Interne (Paris)** 127(3):193–201, Mar 76 (Eng. Abstr.) **(Fre)**

[Radiation colitis. Interest of mesenteric angiography (author's transl)] Verwaerde JV, et al. **Arch Fr Mal App Dig** 64(1):53–7, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Radiation-induced lesions of the hip] Duparc J, et al. **Chirurgie** 100(12):837–53, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**

[Aspects of the pathology of the arm after irradiation of breast cancer] Simon L, et al. **Rev Rhum Mal Osteoartic** 43(2):133–40, Feb 76 (Eng. Abstr.) **(Fre)**

[Radiation-induced hepatitis] Rey G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):193–5, Aug 76 **(Ger)**

[Trends and new findings in the assessment of the somatic radiation risk (author's transl)] Jacobi W. **God Zb Med Fak Skopje** 124(5):489–92, May 76 (Eng. Abstr.) **(Ger)**

[Histological examinations of late changes of bone marrow and bone following local fractionated gamma irradiation in patients with genital carcinoma (author's transl)] Beil E, et al. **Klin Wochenschr** 54(5):217–20, 1 Mar 76 (Eng. Abstr.) **(Ger)**

[The aplastic syndrome following thorotrast] Endres P, et al. **Med Welt** 26(33–34):1454–6, 22 Aug 75 **(Ger)**

[Radiation myelopathy] Gänshirt H. **Nervenarzt** 46(10):562–8, Oct 75 **(Ger)**

[Radiation injuries of the central nervous system] Müller W. **Neuropatol Pol** 13(3–4):349–53, Jul–Dec 75 **(Ger)**

[Somatic late radiation injuries] Flemming K. **Roentgenpraxis** 28(5):116–22, May 75 **(Ger)**

[Radiation fibroses] Nolte D. **Verh Dtsch Ges Inn Med** 81:394–404, 1975 **(Ger)**

[Chromosome aberrations in the newborn infant following obstetric radiodiagnosis] Curcio S. **Arch Ostet Ginecol** 77(5):361–8, Sep–Oct 72 (Eng. Abstr.) **(Ita)**

]Chromosome changes induced by ionizing radiations. Case reports (author's transl)] Fontana L, et al. **Lav Um** 27(6):188–200, Nov 75 (Eng. Abstr.) **(Ita)**

[Pleuroparenchymal and cardiomediastinal reactions in the radiotherapy of malignant lymphomas. (author's transl)] Severini A, et al. **Tumori** 61(1):63–77, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Lung injury during radiation and combined treatment of bronchogenic cancer] Strashinin AI, et al. **Med Radiol (Mosk)** 20(11):24–31, Nov 75 (Eng. Abstr.) **(Rus)**

[Mathematical model of one of the methods of modification of the radiosensitivity of cells] Chernavskiĭ DS, et al. **Radiobiologiia** 15(5):662–70, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Myelopathies by ionizing radiations] Sanjuanbenito L, et al.

Arch Neurobiol (Madr) 38(1):1-12, Jan-Feb 75 (Eng. Abstr.) **(Spa)**

BLOOD

An assay of biological dosimetry from the changed number of lymphocytes and hypersegmented neutrophiles evaluated by means of statistical decision method. Zak M, et al. **Strahlentherapie** 150(6):578-84, Dec 75

[Clinical, especially hematological observations over the 20-year period on the Japanese fisherman exposed to fallout in 1954 (author's transl)] Kumatori T. **Acta Haematol Jpn** 38(6):635-45, Dec 75 (Eng. Abstr.) **(Jpn)**

[Blood biochemical changes in chronic radiation sickness] Kozlovskil VN. **Voen Med Zh** (6):46-8, Jun 75 **(Rus)**

COMPLICATIONS

Femoral nerve compression syndrome with paresis of the quadriceps muscle caused by radiotherapy of malignant tumours. A report of four cases. Laurent LE. **Acta Orthop Scand** 46(5):804-8, Nov 75

Monkey brain damage from radiation in the therapeutic range. Nakagaki H, et al. **J Neurosurg** 44(1):3-11, Jan 76

Review of thirty years study of Hiroshima and Nagasaki atomic bomb survivors. II. Biological effects. H. Cataracts. Dodo T. **J Radiat Res (Tokyo)** 16 Suppl:132-7, Sep 75

[Radiation induced malignant hypertension treated by unilateral nephrectomy] Pedersen OL, et al. **Ugeskr Laeger** 138(7):425-6, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Double-sided occlusion of the great vessels of the neck after X-ray treatment in childhood (author's transl)] Liegl O. **Klin Monatsbl Augenheilkd** 167(5):704-14, Nov 75 (Eng. Abstr.) **(Ger)**

[Late sequelae following atomic bomb explosions and radiation accidents] Fischer H. **Munch Med Wochenschr** 117(47):1893-8, 21 Nov 75 **(Ger)**

[Calcifications in mediastinal lymphoma after radiation therapy of Hodgkin's disease. (author's transl)] Frank P, et al. **Roentgenblaetter** 29(8):380-4, Aug 76 (Eng. Abstr.) **(Ger)**

[Demonstration of gastrointestinal hemorrhages in the acute radiation syndrome] Brückner V. **Strahlentherapie** 149(6):597-601, Jun 75 (Eng. Abstr.) **(Ger)**

[Plastic surgery in radiation necrosis in the region of projection/of large vessels] Povstianoi NE, et al. **Vestn Khir** 114(5):101-3, May 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **Am J Surg** 132(03):89-91, Sep 76

Follow-up study of patients treated by X-ray epilation for Tinea capitis; resurvey of post-treatment illness and mortality experience. Shore RE, et al. **Arch Environ Health** 31(1):21-8, Jan-Feb 76

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **J Can Assoc Radiol** 27(2):89-91, Jun 76

Osteoradionecrosis of the temporal bone. Ramsden RT, et al. **J Laryngol Otol** 89(9):941-55, Sep 75

Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report. Diengdoh JV, et al. **J Neurosurg** 44(6):732-4, Jun 76

[Alkaline serum phosphatase as a diagnostic criterion in experimental radiation sickness (author's transl)] Stěpán J, et al. **Sb Lek** 78(4):91-101, Apr 76 (Eng. Abstr.) **(Cze)**

[Clinical aspects of osteoradionecrosis] Durrelman E. **J Fr Otorhinolaryngol** 25(2):120-3, Feb 76 **(Fre)**

[Letter: Radiogenic peri - or myocarditis?] Denninger K. **Dtsch Med Wochenschr** 101(33):1235-6, 13 Aug 76 **(Ger)**

[Late effects of tumour treatment. Structural changes in the spinal column seen on X-rays] Gutjahr P, et al. **Dtsch Med Wochenschr** 101(26):988-92, 25 Jun 76 (Eng. Abstr.) **(Ger)**

[Letter: Radiation fibrosis with venous occlusion] Vollmar J, et al. **Dtsch Med Wochenschr** 100(42):2180-2, 17 Oct 75 **(Ger)**

[Radiogenic carotid stenosis. The problem of radiation induced arterio-sclerosis (author's transl)] Holdorff B, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):259-64, Mar 76 (Eng. Abstr.) **(Ger)**

[Radiation injury of the spinal cord] Fröscher W. **Fortschr Neurol Psychiatr** 44(3):94-135, Mar 76 (321 ref.) (Eng. Abstr.) **(Ger)**

[Radiation myelopathy] Fröscher W, et al. **Nervenarzt** 46(7):391-6, Jul 75 **(Ger)**

[Genetic and embryonic radiation injuries] Konermann G. **Roentgenpraxis** 28(4):93-8, Apr 75 **(Ger)**

[Demonstration of chronic radiation injuries and their significance] Birkner R, et al. **Strahlenschutz Forsch Prax** 15:65-76, 1976 **(Ger)**

[Appraisal of cases in which radiation injuries must be taken into consideration] Feinendegen LE. **Strahlenschutz Forsch Prax** 15:140-6, 1976 **(Ger)**

[Initial examination and check-up] Flach HD, et al. **Strahlenschutz Forsch Prax** 15:27-32, 1976 **(Ger)**

[Special physical examination methods for occupational medical practice in the field of radiation protection] Fruhmann G. **Strahlenschutz Forsch Prax** 15:32-6, 1976 **(Ger)**

[Medical evaluation of measurements of radiation exposure] Oster H. **Strahlenschutz Forsch Prax** 15:94-9, 1976 **(Ger)**

[Examination of hematopoiesis and hematopoietic tissue] Schreml W. **Strahlenschutz Forsch Prax** 15:49-55, 1976 **(Ger)**

[Chromosomal analysis for detecting the effect of small radiation doses] Stephan G. **Strahlenschutz Forsch Prax** 15:56-65, 1976 **(Ger)**

Legal foundations, regulations and standards--international recommendations] Stieve FE. **Strahlenschutz Forsch Prax** 15:18-27, 1976 **(Ger)**

[Special laboratory tests] Thefeld W, et al. **Strahlenschutz Forsch Prax** 15:36-48, 1976 **(Ger)**

[Results of medical examinations] Zimmer R. **Strahlenschutz Forsch Prax** 15:120-5, 1976 **(Ger)**

[Radiation pneumonitis and radiation fibrosis following systemic irradiation of thoracic lymph nodes in Hodgkin's disease] Castrup W, et al. **Strahlentherapie** 152(1):15-21, Jul 76 (Eng. Abstr.) **(Ger)**

[Load to the lung and spinal cord in the treatment of exophageal carcinoma using telecentric-excentric pendulous 42 MeV betatron irradiation] Koischwitz D, et al. **Strahlentherapie** 151(2):183-91, Feb 76 **(Ger)**

[Radiation injuries to the small and large intestine] Graudins J, et al. **Zentralbl Chir** 100(14):844-51, 1975 **(Ger)**

[Radiation injuries to the ureter and bladder] Lichtenauer P, et al. **Zentralbl Chir** 100(14):833-43, 1975 **(Ger)**

[Some aspects of the etiological diagnosis of an occupational disease in relation to the action of microwave irradiation] Gus'kova AK, et al. **Gig Tr Prof Zabol** (3):14-8, Mar 76 (Eng. Abstr.) **(Rus)**

[Longitudial study on the frequency of structural chromosomal aberrations in a group of radiologists (author's transl)] Cobo A, et al. **Rev Invest Clin** 28(02):161-5, Apr-Jun 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Importance of initial management of persons internally contaminated with radionuclides. Lincoln TA. **Am Ind Hyg Assoc J** 37(1):16-21, Jan 76

Treatment of chronic radiation enteritis and colitis with salicylazosulfapyridine and systemic corticosteroids. A pilot study. Goldstein F, et al. **Am J Gastroenterol** 65(3):201-8, Mar 76

Quantification of combined radiation therapy and chemotherapy effects on critical normal tissues. Phillips TL, et al. **Cancer** 37(2 Suppl):1186-1200, Feb 76 (62 ref.)

Treatment of the experimental hemorrhagic radiation syndrome by means of placental extracts with high phospholipidic content. Coppi M, et al. **Farmaco [Prat]** 31(3):133-9, Mar 76

Some problems of antibiotic therapy in radiation sickness. Shalnova GA. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):138-47, 1975 (117 ref.)

Letter: Danger of aspirin during pelvic irradiation. **Lancet** 2(7948):1312-3, 27 Dec 75

Treatment of radiation-induced gastrointestinal distress with acetylsalicylate. Mennie AT, et al. **Lancet** 2(7942):942-3, 15 Nov 75

Treatment of hemorrhagic radiation cystitis with formalin. Belis JA, et al. **W Va Med J** 72(2):31-5, Feb 76

[Inhibition of proteolytic ferments by taurin in radiation sickness (author's transl)] Dokšina GA, et al. **Radiobiol Radiother (Berl)** 16(3):339-45, 1975 (Eng. Abstr.) **(Ger)**

[Disturbances in carbohydrate metabolism in radiation sickness and its repair under the effect of therapeutic preparation (author's transl)] Dokšina GA, et al. **Radiobiol Radiother (Berl)** 16(3):311-18, 1975 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Inhibition of proteolytic ferments by taurin in radiation sickness (author's transl)] Dokšina GA, et al. **Radiobiol Radiother (Berl)** 16(3):339-45, 1975 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Radiation-induced heart disease Stroobandt R, et al. **Acta Cardiol (Brux)** 30(5):383-92, 1975

Coronary heart disease after mediastinal irradiation for Hodgkin's disease. McReynolds RA, et al. **Am J Med** 60(1):39-45, Jan 76

Unusual cardiac reaction to chemotherapy following mediastinal irradiation in a patient with Hodgkin's disease. Weinstein P, et al. **Am J Med** 60(1):152-6, Jan 76

Letter: Pulmonary radiation reactions. Lamoureux KB. **Ann Intern Med** 83(5):738, Nov 75

Human disease associated with exposure to light. Herndon JH Jr, et al. **Annu Rev Med** 27:77-87, 1976 (55 ref.)

Effects of fast neutrons on the eye. A preliminary communication. Brown N, et al. **Br J Ophthalmol** 59(9):510-3, Sep 75

Complications of routine gastrointestinal x-ray examination. pp. 281-9. Haskin M, et al. **In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974.** (36 ref.)

Dental caries after radiotherapy of the oral regions. Karmiol M, et al. **J Am Dent Assoc** 91(4):838-45, Oct 75

UV keratoconjunctivitis vs. established dose effect relationships. Gulvady NU. **J Occup Med** 18(8):573, Aug 76

Editorial: Radiation nephropathy. **Lancet** 2(7976):81, 10 Jul 76

Osteonecrosis in patients treated with definitive radiotherapy for squamous cell carcinomas of the oral cavity and naso-and oropharynx. Bedwinek JM, et al. **Radiology** 119(3):665-7, Jun 76

Postirradiation atrophic changes of bone and related complications. Howland WJ, et al. **Radiology** 117(3 Pt 1):677-85, Dec 75

Radiation injury to abdominal aorta and iliac artery sustained in infancy. Lee DH, et al. **S Afr Med J** 50(17):658-60, 17 Apr 76

Brain necrosis after repeated radiotherapy. Takeuchi J, et al. **Surg Neurol** 5(2):89-93, Feb 76

[Radiation changes of the lungs following irradiation for carcinoma] Horáček J, et al. **Cesk Patol** 11(4):199-203, Nov 75 (Eng. Abstr.) **(Cze)**

[Radiation load of personnel during surgical and other atypical roentgenological performances (author's transl)] Doubravský J, et al. **Cesk Radiol** 30(2):125-31, Mar 76 (Eng. Abstr.) **(Cze)**

[Etiologic factors of osteoradionecrosis of the lower jaw] Schraub S. **J Fr Otorhinolaryngol** 25(2):119-20, Feb 76 **(Fre)**

[Late progressive radiation myelopathies. A study of 27 cases] Combes PF, et al. **J Radiol Electrol Med Nucl** 56(11):815-25, Nov 75 (Eng. Abstr.) **(Fre)**

[Letter: Radiogenic peri- or myocarditis?] Vieten H. **Dtsch Med Wochenschr** 101(24):941-2, 11 Jun 76 **(Ger)**

[Health risks of high energy radiation from nuclear power plants] Fritz-Niggli H. **Soz Praeventivmed** 20(2):41-7, Mar-Apr 75 (Eng. Abstr.) **(Ger)**

[Radiation exposure of the eye lens due to radiographic examinations in the dental clinic] Schmidt T, et al. **Strahlenschutz Forsch Prax** 15:157-62, 1976 **(Ger)**

[Radiation injuries of the jaw bone (so-called radiation bone necrosis) - from the standpoint of clinical oral surgery] Mizuno A. **J Jpn Stomatol Soc** 42(2):223, Jun 75 **(Jpn)**

[Radiation pneumonitis following postoperative irradiation with 6 MeV of breast cancer] Asakawa H, et al. **Jpn J Clin Radiol** 20(7):577-82, Jul 75 **(Jpn)**

[Diarrhea following whole pelvis irradiation in female pelvic cancer (author's transl)] Sakurai T, et al. **Nippon Acta Radiol** 35(7):536-44, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[An analysis on the complications of the external radiotherapy of carcinoma of the uterine cervix. Comparison of irradiation techniques (author's transl)] Tanaka Y. **Nippon Acta Radiol** 35(7):527-35, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[Odontological problems in radiotherapy] Andersson T, et al. **Sven Tandlak Tidskr** 68(4):127-33, 1975 (31 ref.) (Eng. Abstr.) **(Swe)**

HISTORY

The inside story. Comroe JH Jr. **Am Rev Respir Dis** 113(3):381-5, Mar 76

METABOLISM

Endogenous biochemical factors affecting the efficiency of some radioprotective or radiosensitizing drugs: sulfhydryl groups and lipid peroxides. Păuşescu E, et al. **Strahlentherapie** 151(1):88-95, Jan 76

[The possibilities of modification, the intracellular digestion in the physiology and in the course of irradiation syndrome (author's transl)] Koćmierska-Grodzka D. **Radiobiol Radiother (Berl)** 16(5):533-63, 1975 (208 ref.) (Eng. Abstr.) **(Ger)**

MORTALITY

[Case of fatal complications as a manifestation of hypersensitivity to radiotherapy] Krushkov I, et al. **Akush Ginekol (Sofiia)** 15(1):78-81, 1976 (Eng. Abstr.) **(Bul)**

OCCURRENCE

Frequency of severe complications after radiation therapy for cervical carcinoma. Einhorn N. **Acta Radiol [Ther] (Stockh)** 14(1):42-8, Feb 75

Current status of information obtained from plutonium contaminated people. pp. 1248-65. Richmond CR. **In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.**

[Occupational radiation injuries in the Federal Republic for the period 1953-1969] Rahm G. **Strahlenschutz Forsch Prax** 15:126-39, 1976 **(Ger)**

PATHOLOGY

Radiation-induced renal disease. A clinicopathologic study. Keane WF, et al. **Am J Med** 60(1):127-37, Jan 76

Radiation myelopathy. Sutherland IA, et al. **Arch Phys Med Rehabil** 57(2):81-4, Feb 76

The histopathologic basis for functional decrements in late radiation injury in diverse organs. White DC. **Cancer** 37(2 Suppl):1126-43, Feb 76

Radiation pericarditis and myocardial fibrosis. Westerhof PW, et al. **Eur J Cardiol** 4(2):213-8, Jun 76

Benign tumors of the digestive tract among atomic bomb survivors, 1961-1970 Hiroshima. Yamamoto T, et al.

Gann 66(6):623–30, Dec 75

Plugged haversian canals and skeletal dose in radium cases. Simmons DJ, et al. **Health Phys** 29(5):767–75, Nov 75

Weakening of bone by osteolytic lesions in a radium case. Von Seggen WW, et al. **Health Phys** 30(2):243–5, Feb 76

Ultrastructure of rat cerebral vessels 4 months after gamma irradiation. Iwanowski L, et al. **Neuropatol Pol** 13(3–4):527–30, Jul–Dec 75

Editorial: Irradiated tissue and biopsy. Tak WK. **Surg Gynecol Obstet** 142(2):239–40, Feb 76

[Histologic and microradiographic study of mandibular osteoradionecrosis] Dambrain R. **Acta Stomatol Belg** 72(3):503–11, 1975 **(Fre)**

[The effect of beta-ray radiation of isotope 90Y on vascular walls and peripheral nerves (experimental study) (author's transl)] Vichert TM, et al. **Radiobiol Radiother (Berl)** 16(1):57–64, 1975 **(Ger)**

[Ultrastructure of the liver sinus following lethal and therapeutic roentgen irradiation] Frenzel H, et al. **Verh Dtsch Ges Pathol** 59:565, 1975 **(Ger)**

[Autopsy study of spinal cord disease developing 7 years after cobalt radiation treatment] Takahashi K, et al. **Jpn J Clin Med** 33(7):2431–4, 10 Jul 75 **(Jpn)**

PHYSIOPATHOLOGY

Liver function in survivors of the atomic bomb. Gregory PB, et al. **Radiat Res** 63(3):578–83, Sep 75

On the regeneration of cartilage after x-irradiation. A study on rabbits ears. Johansson JM, et al. **Scand J Plast Reconstr Surg** 9(1):31–3, 1975

[Pulmonary perfusion, ventilation, and gas exchange during modified cobalt-60 teletherapy of operated on breast carcinomas] Schlick W, et al. **Strahlentherapie** 150(6):557–62, Dec 75 (Eng. Abstr.) **(Ger)**

[State of hemodynamics, according to radiocardiographic data, in persons working in contact with ionizing radiation sources] Denisova EA, et al. **Kardiologiia** 15(8):106–10, Aug 75 (Eng. Abstr.) **(Rus)**

[Functional state of the sympathetic-adrenal system in occupational irradiation] Gorbarenko NI, et al. **Med Radiol (Mosk)** 20(9):46–52, Sep 75 (Eng. Abstr.) **(Rus)**

[Results of clinical physiological observations of persons who have undergone occupational irradiation] Gus'kova AK, et al. **Med Radiol (Mosk)** 20(9):36–46, Sep 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Letter: Radiation dose measurements to the eyes during cerebral angiography. Smith CC, et al. **Br J Radiol** 49(582):570–1, Jun 76

Editorial: The ten day rule. **Br Med J** 4(5996):543, 6 Dec 75

Tumor dose-time-volume. **Cancer** 37(4 Suppl):2056–61, Apr 76

Editorial: Post-therapeutic radiation injuries of the nervous system. Reflections on their prevention. Zeman W, et al. **J Neurol** 212(2):107–15, 23 Apr 76

Health care of people at work. Safety in the handling of radionuclides. Spoor N. **J Soc Occup Med** 26(2):43–9, Apr 76

X-ray machines for airport security. Holder LE. **JAMA** 233(13):1393–4, 29 Sep 75

Editorial: Working with iodine-125. **Lancet** 1(7951):133, 17 Jan 76

Risk from ionizing radiations in the transport of radioactive materials. Failla L. **Minerva Ecol Idroclimatol Fis Nucl** 15(4):144–51, Oct–Dec 75

Irradiation hazards and safety standards for patients in dental radiography. Williamson BD. **NZ Dent J** 71(325):129–35, Jul 75

Reduction of skin dose in mantle fields by the use of a copper filter. McDougall RS, et al. **Radiography** 41(485):115–9, May 75

[Evaluation of hazards from ionizing radiation] Autoru K. **Zdrav Aktual** (175):1–139, 1973 **(Cze)**

[Trial of Tandearil in prevention of cutaneous and mucosal complications in patients with otorhinolaryngeal neoplasms treated by irradiation] Serin D. **J Fr Otorhinolaryngol** 25(2):175–8, Feb 76 **(Fre)**

[Dose of tissue tolerance, dose of tumour sterilisation in continuous and discontinuous irradiation (author's transl)] Swyngedauw J. **J Radiol Electrol Med Nucl** 56(5):369–81, May 75 (Eng. Abstr.) **(Fre)**

[Suggestions for the reduction of medical radiation in pulmonary tuberculosis] Fulea C, et al. **Sante Publique (Bucur)** 18(1):83–92, 1975 **(Fre)**

[Radiation exposure of the dentist] Regulla DF, et al. **Dtsch Zahnaerztl Z** 30(8):552–4, Aug 75 (Eng. Abstr.) **(Ger)**

[Contribution to the problem of radiation risk in medical radiology (author's transl)] Herlbauer R. **Radiobiol Radiother (Berl)** 16(3):293–310, 1975 (Eng. Abstr.) **(Ger)**

[Possibilities of decreasing skin lesions in stationary field x-irradiation by modification of the actual pH of the skin] Spies H. **Radiobiol Radiother (Berl)** 16(2):161–4, 1975 (Eng. Abstr.) **(Ger)**

[On the radiation exposure in the standardized method of chest examination (author's transl)] Angerstein W, et al. **Radiol Diagn (Berl)** 16(6):863–8, 1975 (Eng. Abstr.) **(Ger)**

[Requirements for radiation protection in the use of stomatological radiodiagnostic installations] Taschner P, et al. **Stomatol DDR** 26(3):184–90, Mar 76 (Eng. Abstr.) **(Ger)**

[Pollen diet as an adjuvans of radiotherapy in gynecologic carcinomas] Hernuss P, et al. **Strahlentherapie** 150(5):500–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Radiation exposure during examination with a therapy simulator. 2. Radiation load on the examiner during radiography (measurements on the Alderson-Man phantom)] Säbel M, et al. **Strahlentherapie** 150(3):321–35, Sep 75 (Eng. Abstr.) **(Ger)**

[To the x-ray examination during the pregnancy (author's transl)] Fochem K. **Wien Klin Wochenschr** 87(20):699–701, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Systematic mass radiophotography: economic unviability and eventual danger of radiation exposure] Gikovate F, et al. **Rev Saude Publica** 10(1):103–10, Mar 76 (Eng. Abstr.) **(Por)**

[Radiation protection of medical personnel during clinical use of radioactive beads] Zol'nikova NI, et al. **Med Radiol (Mosk)** 20(4):45–9, Apr 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiation injury of the axillary artery. Case report. Pinkerton JA Jr, et al. **Mo Med** 73(2):71–3, Feb 76

Radiological manifestations of radiation-induced injury to the normal upper gastrointestinal tract. Goldstein HM, et al. **Radiology** 117(1):135–40, Oct 75

[Angiography and lymphography in the study of the condition of blood and lymphatic systems in local irradiation] Mannanov IS, et al. **Med Radiol (Mosk)** 20(12):58–63, Dec 75 (78 ref.) **(Rus)**

SURGERY

Combined abdominotranssacral reconstruction of the radiation-injured rectum. Marks G. **Am J Surg** 131(1):54–9, Jan 76

Repair of chest wall defects after irradiation for breast cancer. Hughes LE. **Ann R Coll Surg Engl** 58(2):140–3, Mar 76

Omental transfer for the treatment of radionecrosis of chest wall. Gue S. **Aust NZ J Surg** 45(4):390–4, Nov 75

Surgical management of radiation injury of the small and large intestine. Deveney CW, et al. **Dis Colon Rectum** 19(1):25–9, Jan–Feb 76 (15 ref.)

Treatment of irradiation injury to the ureter by ileal substitution. Perry CP, et al. **Obstet Gynecol** 46(5):517–22, Nov 75

Surgical management of radiation injury to the small intestine. Swan RW, et al. **Surg Gynecol Obstet** 142(3):325–7, Mar 76

[Our experience in the treatment of thoracic radionecrosis] Meline F, et al. **Ann Chir Plast** 21(1):35–42, 1976 (Eng. Abstr.) **(Fre)**

[Operation for stenosis of the internal carotid artery secondary to irradiation (a propos of 1 observation)] Redondo A, et al. **Neurochirurgie** 21(3):239–45, May-June 75 (Eng. Abstr.) **(Fre)**

[Reconstruction of the parietal pleura and thoracic wall through epiploic transposition and skin grafting. A case of mammary carcinomatosis with radionecrosis of the wall] Ciaburro H, et al. **Union Med Can** 104(7):110–4, Jul 75 (Eng. Abstr.) **(Fre)**

[Surgical mobilization of a clamped jaw following radiotherapy] Scheunemann H, et al. **Fortschr Kiefer Gesichtschir** 18:244–7, 1974 **(Ger)**

[Experiences with split and whole skin grafts in the head and neck region] Schmid E. **Fortschr Kiefer Gesichtschir** 20:73–6, 1976 **(Ger)**

[X-ray injury of the skin and its treatment] pp. 341–51. Olivari N, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Use of the greater omentum for treating radiation necroses and edema of the upper extremities following Halsted's mastectomy] Kiricuta I, et al. **Khirurgiia (Mosk)** (9):88–93, Sep 75 **(Rus)**

[Dermatoplasty in treatment of late radiation injuries of the skin] Bardychev MS, et al. **Vestn Khir** 116(3):82–6, Mar 76 (Eng. Abstr.) **(Rus)**

THERAPY

The treatment of radiation necrosis with hyperbaric oxygen (OHP). Hart GB, et al. **Cancer** 37(6):2580–5, Jun 76

Management of colitis caused by irradiation. Smith JS Jr, et al. **Surg Gynecol Obstet** 142(4):569–72, Apr 76

[Treatment of osteoradionecrosis] Coudry H. **J Fr Otorhinolaryngol** 25(2):123–04, Feb 76 **(Fre)**

[Complex treatment of postirradiation injuries of the urinary tract] Retzke U, et al. **Ginekol Pol** 47(3):327–37, Mar 76 (41 ref.) (Eng. Abstr.) **(Pol)**

URINE

The elimination of N-methyl-14C-pethidine and its radioactive metabolites in irradiated rats. Chmelar V, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 17(3):223–31, 1974

VETERINARY

[Therapy of early symptoms of radiation sickness in dogs using Pyrimetin] Lehký F, et al. **Vet Med (Praha)** 20(12):715–21, Dec 75 (Eng. Abstr.) **(Cze)**

[Pathomorphological findings in irradiated cattle] Otoupal P, et al. **Vet Med (Praha)** 20(12):749–54, Dec 75 (Eng. Abstr.) **(Cze)**

[Clinical changes in whole-body irradiated cattle] Otoupal P, et al. **Vet Med (Praha)** 20(12):741–8, Dec 75 (Eng. Abstr.) **(Cze)**

[Biochemical indicator of post-irradiation injury in cattle] Zicha B, et al. **Vet Med (Praha)** 20(12):723–32, Dec 75 (Eng. Abstr.) **(Cze)**

RADIATION INJURIES, EXPERIMENTAL

Ocular malformations induced by radiation of the mouse embryo. A histopathological study with a particular view to stage specificity. Christensen N. **Acta Pathol Microbiol Scand [Suppl]** (254):1–170, 1976

Simulated near-in fallout in goats and its effects. Jones BV. **Acta Vet Scand [Suppl]** (58):1–106, 1975

Effects of fractionated irradiation on mouse lung and a phenomenon of slow repair. Field SB, et al. **Br J Radiol** 49(584):700–7, Aug 76

Tolerance of rodent tails to necrosis after 'daily' fractionated X rays or D-T neutrons. Hendry JH, et al. **Br J Radiol** 49(584):690–9, Aug 76

Repair of radiation damage to capillary endothelium. Reinhold HS, et al. **Br J Radiol** 48(573):727–31, Sep 75

Radiation reaction of rat skin. The role of the number of fractions and the overall treatment time. Moulder JE, et al. **Cancer** 37(6):2762–7, Jun 76

Altered collagen metabolism in radiation-induced interstitial pulmonary fibrosis. Pickrell JA, et al. **Chest** 69(2 Suppl):311–6, Feb 76

Time-dose factors in fatal post-irradiation nephritis. pp. 328–34. Caldwell WL. **In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.**

Early radiation effects on bone and blood as 'predictors' of osteosarcoma. A late effect. pp. 335–42. Goldman M, et al. **In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.**

Response of sublethally irradiated monkeys to a replicating viral antigen. Hilmas DE, et al. **Infect Immun** 12(3):592–601, Sep 75

Observations on late effects in mice exposed to 400 MeV neutrons. Covelli V, et al. **Int J Radiat Biol** 29(5):439–53, May 76

An ultrastructural study of the effects of x-irradiation on the oral epithelium of the rat: qualitative aspects. Liu HM, et al. **J Oral Pathol** 5(4):194–208, Jul 76

Ovarian tumorigenesis after whole body x-ray irradiation in ddY/F and C3H/Tw mice. Komuro M. **J Radiat Res (Tokyo)** 17(2):99–105, Jun 76

Restraining rats with radiation-induced tail damage. Hodges HD, et al. **Lab Anim Sci** 26(2 Pt I):244, Apr 76

Combined cardiotoxicity of adriamycin and x-radiation. Fajardo LF, et al. **Lab Invest** 34(1):86–96, Jan 76

Cellular injury and cell proliferation in skin carcinogenesis by UV light. Stenbäck F. **Oncology** 31(2):61–75, 1975

Histological studies on the regeneration of small-intestine epithelium of rats irradiated with sublethal doses of X rays. Lewicki Z, et al. **Pol Med Sci Hist Bull** 15(5–6):539–49, Sep–Dec 75

Survival of mouse L-929 cells following neutron irradiation. Erichsen EA, et al. **Radiology** 119(2):467–9, May 76

The effects of single and multifraction radiation courses on the mouse spinal cord. Goffinet DR, et al. **Radiology** 119(3):709–13, Jun 76

Acute and late effects of 16- and 50-MeVd leads to Be neutrons on the oral mucosa of rhesus monkeys. Jardine JH, et al. **Radiology** 117(1):185–91, Oct 75

Repair of sublethal and potentially lethal radiation damage by rat embryos exposed to gamma rays or helium Ions. Ward WF, et al. **Radiology** 120(3):695–700, Sep 76

Chromosome damage in liver cells from low dose rate alpha, beta, and gamma irradiation: derivation of RBE. Brooks AL. **Science** 190(4219):1090–2, 12 Dec 75

Regional cerebral blood flow in delayed brain swelling following X-irradiation of the right occipital lobe in the monkey. Caveness WF, et al. **Trans Am Neurol Assoc** 100:172–4, 1975

[Intestinal recovery in pig irradiated at high doses. Enzymological, histological and functional data (author's transl)] Daburon F, et al. **Biol Gastroenterol (Paris)** 8(4):321–38, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Anorexia in rats following protracted whole-body irradiation with low doses] Schraub A, et al. **Strahlentherapie** 150(1):87–90, Jul 75 (Eng. Abstr.) **(Ger)**

The action of repeated administration of low gamma ray doses on the rat liver and kidneys. Chera G, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):433–7, Jul–Sep 75 **(Rum)**

[Several results of a theoretical analysis of radiation injuries] Akoev IG. **Izv Akad Nauk SSSR [Biol]** (1):41–52, Jan–Feb 76 **(Rus)**

[Effectiveness of the action of radiation under conditions of uneven irradiation of the organism] Airapetian GM, et al. **Radiobiologiia** 15(5):775–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Characteristics of radiation syndromes after uneven irradiation] Avetisov GM, et al. **Radiobiologiia**

15(5):708–11, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Relation between the postradiation excretion of deoxyuridine and the mitiotic index of hematopoietic tissue cells] Bryksina LE, et al. **Radiobiologiia** 15(6):920–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of various food rations on the radiation sensitivity of guinea pigs] Darenskaia HG, et al. **Radiobiologiia** 15(4):627–30, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Nephrosclerosis in various chronic radiation effect] Lavrent'ev LN. **Radiobiologiia** 15(5):704–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of chronic irradiation in low doses on age-related changes in the radiation-resistance of white mice] Lisenkova LN. **Radiobiologiia** 15(4):589–92, Jul–Aug 75 **(Rus)**

[Modifying effect of adaptation to high-altitude hypoxia on radiation damage to DNA in the spleen of rats] Makeeva VF, et al. **Radiobiologiia** 15(4):605–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Prognosis of the survival of rats with partial shielding of the abdominal region] Osokina TF, et al. **Radiobiologiia** 15(5):784–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Repair of the bone marrow in local irradiation of dogs] Strelin GS, et al. **Radiobiologiia** 15(4):556–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Role of endogenous substances in the creation of a background of increased radioresistance. Report 7. Study of the influence of dopamine and histamine on lipid radiosensitizers] Zhamsaranova SD, et al. **Radiobiologiia** 15(5):647–50, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of gamma radiation on the blood count in chickens] Skarodová I, et al. **Vet Med (Praha)** 21(2):93–9, Feb 76 (Eng. Abstr.) **(Slo)**

BLOOD

Influence of acute tissue injury on in vitro incorporation of Zn by sheep erythrocytes. Sasser LB, et al. **J Anim Sci** 41(6):1679–85, Dec 75

Demonstration of whole blood analysis using proton-induced x-ray emission. Malanify JJ, et al. **Med Phys** 3(2):91–4, Mar–Apr 76

Effect of radiophsophorus on hematology of mice during postnatal development. Malhotra N, et al. **Strahlentherapie** 150(4):411–26, Oct 75

[Haematological changes and survival on mice following continuous irradiation (author's transl)] Kalina I, et al. **Radiobiol Radiother (Berl)** 16(3):347–54, 1975 (Eng. Abstr.) **(Ger)**

[Change in the fractional composition of thrombocytic proteins during experimental acute radiation sickness] Baluda VP, et al. **Biull Eksp Biol Med** 80(7):49–51, Jul 75 (Eng. Abstr.) **(Rus)**

[Study of thrombocytes and blood coagulation indices in cows given a mixture of nuclear fission products] Bogatov LV, et al. **Radiobiologiia** 15(6):940–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Dynamics of nucleolar changes in peripheral blood lymphocytes of irradiated rats] Dienstbier Z, et al. **Radiobiologiia** 15(6):812–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Change in blood electrical charge during acute radiation injury] Gromov AE. **Radiobiologiia** 16(1):140–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of intraventricular administration of 6-hydroxydopamine on the radiation stress induced increase in plasma corticosterone] Popov PG, et al. **Radiobiologiia** 15(6):899–902, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of prior administration of cystamine on enzymes of carbohydrate metabolism in erythrocytes during radiation sickness] Serebrennikova IA, et al. **Radiobiologiia** 15(6):917–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Spontaneous and induced radiation of blood serum as an index of the degree of injury of animals] Serkiz IaI, et al. **Radiobiologiia** 15(5):716–21, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Oncogenic response of rats with x-ray-induced microcephaly to transplacental ethylnitrosourea. Warkany J, et al. **J Natl Cancer Inst** 56(1):59–64, Jan 76

Initial events in radiation-induced atheromatosis I. Activation of lysosomal enzymes. Konings AW, et al. **Strahlentherapie** 150(4):444–8, Oct 75

[Study of the possibility of using penicillin and a specific globulin for treating the anthracic infectious process in an irradiated organism] Strel'nikov VA, et al. **Antibiotiki** 20(10):921–4, Oct 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Enzymatic diagnosis of radiation hepatopathy] Savitskil VI, et al. **Med Radiol (Mosk)** 20(9):68–70, Sep 75 **(Rus)**

[Metabolism of the tissues of the intestinal epithelium as a possible index of the degree of radiation injury of the organism] Puchkova SM, et al. **Radiobiologiia** 15(5):760–2, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Systemic protection against radiation. II. Effect of protein and lipid constituents of diet. Pageau R, et al. **Radiat Res** 66(2):267–73, May 76

DRUG THERAPY

Changes in the pharmacodynamics and pharmacokinetics of psycholeptic drugs in radiation-sickness. Effect of x-ray radiation on pharmacodynamic activity of nitrazepam in animals. Szczawińska K, et al. **Acta Physiol Pol** 26(5):523–7, Sep–Oct 75

Letter: Protection of post-irradiated mice by superoxide dismutase. Petkau A, et al. **Int J Radiat Biol** 29(3):297–9, Mar 76

Metiamide-treatment of brain oedema in animals exposed to 90yttrium irradiation. Joó F, et al. **J Pharm Pharmacol** 28(2):162–3, Feb 76

Restoration of radiation injury by intraperitoneal injection of ginseng extract in mice. Yonezawa M. **J Radiat Res (Tokyo)** 17(2):111–3, Jun 76

Effect of topical indomethacin on UVR-induced redness and prostaglandin E levels in sunburned guinea pig skin. Snyder DS. **Prostaglandins** 11(4):631–43, Apr 76

[Protecting effect of glutathione on irradiated mice (author's transl)] Hattori Y. **Nippon Acta Radiol** 36(1):56–62, 1976 (Eng. Abstr.) **(Jpn)**

[Pathogenetic basis of early therapy of experimental acute radiation sickness] Dzharak'ian TK. **Med Radiol (Mosk)** 20(12):52–7, Dec 75 (Eng. Abstr.) **(Rus)**

[Protein synthesis in cell nuclei of rat small intestinal mucosa during acute radiation sickness and administration of a radiation-protector] Blokhina VD, et al. **Radiobiologiia** 16(1):26–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Treatment of irradiated guinea pigs with the polysaccharide prodigiozan] Chertkov KS, et al. **Radiobiologiia** 16(1):88–91, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of Sephadex on the state of the intestine of irradiated rats] Fedorovskil LL. **Radiobiologiia** 15(5):786–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Frequency of chromosome aberrations in bone marrow cells of lethally irradiated rats treated with homologous DNA] Nikolaevskaia NG. **Radiobiologiia** 15(6):834–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of an oxygen-vitamin complex on the hematopoietic indices in the irradiated organism] Shvanskaia NL, et al. **Fiziol Zh** 22(3):395–9, MAR–APR 76 **(Ukr)**

ENZYMOLOGY

Enzyme histochemical observations of diffuse pulmonary fibrosis of rats experimentally induced by ionizing irradiation. Aiba M. **Acta Pathol Jpn** 26(2):205–22, Mar 76

The influence of protease inhibitor on hydroproteolytic activity and serotonin content in the intestine of rats after fractionated irradiation. Kodmierska-Grodzka D, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):259–65, 1976

Letter: Radiosensitivity of NAD glycohydrolase in the nuclear membrane of fast growing mouse liver. Konings AW, et al. **Int J Radiat Biol** 28(6):589–91, Dec 75

Letter: Nuclear enzymes of NAD metabolism in mouse tissues after whole-body-x-irradiation. Streffer C, et al. **Int J Radiat Biol** 28(6):581–3, Dec 75

Stress-induced response of mouse liver tyrosine aminotransferase after irradiation. Stefan M, et al. **Physiologie** 12(4):303–5, 1975

The effect of dianabol on the postirradiation disturbances of kininogenesis in rats. Maćkowiak J, et al. **Strahlentherapie** 150(2):154–7, Aug 75

[Histochemical reactions caused by external and internal irradiation. Correlation with microdosimetry and interrelations between irradiation and drugs] Cardinale A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:653–5, 1975 **(Fre)**

[Enzymatic mechanisms involved in the appearance of ulcerative lesions of the buccal mucosa produced during external irradiation with Co60] Gidoiu T, et al. **Rev Chir [Stomatol]** 21(5):377–82, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Enzymatic activity in the osteoblasts of rabbits following combined trauma] Gendler EM. **Biull Eksp Biol Med** 80(10):63–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of vibration, acceleration and acute irradiation with a dose of 250 R on the localization and activity of liver enzymes in adult rabbits] Iuĭ RI, et al. **Kosm Biol Aviakosm Med** 9(4):80–1, Jul–Aug 75 **(Rus)**

[Isoenzymes of esterase, alkaline and acid phosphatases of urine and kidneys in acute radiation sickness] Surinov BP, et al. **Med Radiol (Mosk)** 20(10):43–6, Oct 75 **(Rus)**

[Inhibition of uridylic nucleotide biosynthesis from uracil in rat tissues varying in radiosensitivity at early stages of radiation sickness] Atabekov AIu, et al. **Radiobiologiia** 15(3):331–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of whole-body x-irradiation on phosphoribosylpyrophosphate enzyme systems in rabbit bone marrow cells] Filippova VN, et al. **Radiobiologiia** 15(6):830–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Mechanisms of regulation of the rate of catalase synthesis in rat liver in the course of acute radiation sickness] Komov VP, et al. **Radiobiologiia** 16(1):107–10, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[DNA-dependent RNA polymerase in the organs of irradiated animals. 5. Physicochemical changes in the enzyme molecules] Likhoded VS, et al. **Radiobiologiia** 15(3):423–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Transketolase activity of the skin of rats exposed to the combined action of x- and beta-radiation] Matiushichev VB, et al. **Radiobiologiia** 15(6):893–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of x-rays on the 5'-nucleotidase activity of rat liver plasma membrane] Ryskulova ST. **Radiobiologiia** 16(1):115–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Radiation changes of the hard dental tissues against the background of functional overloading] Nazarov GI, et al. **Stomatologiia (Mosk)** 55(1):5–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Postimplantation development of rat embryos following application of injurious agents to male gametes] Udalova LD. **Arkh Anat Gistol Embriol** 70(1):46–50, Jan 76 (Eng. Abstr.) **(Rus)**

[Chromosome aberrations in the cells of monkeys that have undergone acute irradiation with the use of chemical protection] Kosichenko LP, et al. **Biull Eksp Biol Med** 80(8):109–12, Aug 75 (Eng. Abstr.) **(Rus)**

[Delayed cytogenetic effect of acute irradiation of monkeys. II. Frequency of chromosome anomalies in monkey peripheral blood lymphocytes] Kosichenko LP, et al. **Genetika** 9(12):151–3, Dec 73 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effects of sublethal gamma radiation on T and B cell activity in the antibody response of mice. Carlson DE, et al. **Radiat Res** 65(1):111–9, Jan 76

[Peculiarities of the regeneration of the bone marrow of mice under the influence of sublethal doses of radiation] Barakina NF. **Radiobiologiia** 15(5):657–61, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Role of the spleen in the differentiation of T-cells possessing an auxiliary function in the humoral immune reactions in the organism of lethally irradiated recipients of bone marrow transplants] Gambarov SS, et al. **Radiobiologiia** 15(5):684–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of oral bacteriotherapy on radiation autoallergy] Strel'nikov VA. **Radiobiologiia** 15(6):908–10, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[New methods of determination of the functional peculiarities of autoantibodies in various types of autoimmune reactions] Klemparskaia NN. **Zh Mikrobiol Epidemiol Immunobiol** (4):47–53, Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Pulmonary collagen metabolism after lung injury from inhaled 90Y in fused clay particles. Pickrell JA, et al. **Exp Mol Pathol** 25(1):70–81, Aug 76

Letter: Renin-angiotensin and aldosterone in the gastro-intestinal syndrome after whole-body irradiation. Gerber GB, et al. **Int J Radiat Biol** 28(3):297–300, Sep 75

Letter: Radiation-induced liberation of DNA-protein complex in rat spleen. Kator K. **Int J Radiat Biol** 28(2):199–204, Aug 75

The effect of radiation on processing of nuclear RNA and chromatin ribonuclease activity in rat liver and thymus. Tokarskaya VI, et al. **Int J Radiat Biol** 27(6):533–42, Jun 75

14CH3-N-pethidine biotransformation in the rat and rabbit isolated perfused liver during the pathological process. Květina J. **Mater Med Pol** 7(4):301–3, Oct–Dec 75

The effects of acute and long-term irradiation on collagen in rat liver. Ganea E, et al. **Physiologie** 13(1):75–81, Jan–Mar 76

Effects of x-irradiation on liver RNA metabolism in specifically shielded rats. Abdel-Halim MN, et al. **Radiat Res** 65(2):327–36, Feb 76

Late biochemical changes in the rat lung after hemithoracic irradiation. Dancewicz AM, et al. **Radiat Res** 67(3):482–90, Sep 76

Accumulation of alpha-aminoisobutyric acid by rat tissues after whole-body gamma-irradiation. Kilberg MS, et al. **Radiat Res** 64(3):546–54, Dec 75

The role of stimulated amino acid transport in promoting glycogenesis in the irradiated rat. Kilberg MS, et al. **Radiat Res** 66(3):597–608, Jun 76

Collagen content of lungs of mice after x-ray irradiation. Law MP, et al. **Radiat Res** 65(1):60–70, Jan 76

Effects of 60Co gamma-radiation on the hepatic and cerebral levels of some prostaglandins. PAUSESCU E, et al. **Radiat Res** 65(1):163–71, Jan 76

Effects of whole-body x-irradiation of some aspects of collagen metabolism in the rat. Thyagarajan P, et al. **Radiat Res** 66(3):576–86, Jun 76

[Bone calcium metabolism following local x-irradiation. XIII. Effect of castration and estrogens on the general response of male rats] Babický A, et al. **Strahlentherapie** 150(1):36–43, Jul 75 (Eng. Abstr.) **(Ger)**

[Effect of aminopropyl-aminoethylthiphosphate on radio-iron utilization following whole-body irradiation of mice in the sublethal dose range] Mönig H, et al. **Strahlentherapie** 150(1):44–50, Jul 75 (Eng. Abstr.) **(Ger)**

[Changes in protein metabolism following irradiation. 1. Activity of protease, protease pattern, protein and free amino acids in cytoplams and cell organelles of the rat spleem following 600 R whole-body X-ray irradiation] Valet G. **Strahlentherapie** 150(6):608–17, Dec 75 (Eng. Abstr.) **(Ger)**

[Relation of vitamin A to protein biosynthesis in normal animals and animals exposed to ionizing radiation] Leutskil KM, et al. **Dokl Akad Nauk SSSR** 225(4):969–70, 1 Dec

75 (Rus)
[Activation of RNA biosynthesis in the liver and spleen of irradiated rats] Tokarskaia VI, et al. **Dokl Akad Nauk SSSR** 227(4):988–90, 1976 (Rus)
[Effect of the chronic action of small doses of ionizing radiation of the excretion of gaseous metabolic products in albino rats] Tiunov LA, et al. **Kosm Biol Aviakosm Med** 10(1):61–6, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Postradiational changes in the concentration of deoxyribonucleosides in the blood plasma and urine] Solle M, et al. **Med Radiol (Mosk)** 20(9):53–5, Sep 75 (Eng. Abstr.) (Rus)
[Effect of whole-body gamma-irradiation on amino acid compartmentalization in rat kidneys and spleen] Dovgalevich II, et al. **Radiobiologiia** 15(6):890–3, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Peroxides and radiation induced disorders of oxidative phosphorylation] Dovgii IE, et al. **Radiobiologiia** 15(5):730–2, Sep–Oct 75 (Eng. Abstr.) (Rus)
[DNA metabolism in radiosensitive tissues of rats during prolonged gamma-radiation] Elkina NI. **Radiobiologiia** 16(1):30–4, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Early radiation-induced disorders of cholesterol metabolism in rat liver organoids] Kaznacheev IuS, et al. **Radiobiologiia** 15(3):452–4, May–Jun 75 (Eng. Abstr.) (Rus)
[Effect of radiation on lipid synthesis in rat liver and adipose tissue] Kendysh IN. **Radiobiologiia** 15(6):826–9, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Effect of prolonged fractionated radiation on nucleic acid metabolism in rat bone marrow] Kisel'gof EI, et al. **Radiobiologiia** 15(3):340–4, May–Jun 75 (Eng. Abstr.) (Rus)
[Changes in pyrimidine nucleotide isopliths of hematopoietic system DNA following gamma-irradiation of animals] Kritskii GA, et al. **Radiobiologiia** 15(6):803–6, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Acetylcholine and cholinesterase activity in the dynamics of radiation injury in white rats] Lipshits RU, et al. **Radiobiologiia** 15(4):524–7, Jul–Aug 75 (Eng. Abstr.) (Rus)
[State of the biosynthesis of DNA in the lymphoid organs of rats in the dynamics of acute radiation sickness] Moskaleva Elu. **Radiobiologiia** 15(4):602–5, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Oxidative phosphorylation and adenyl nucleotides in the liver of rats with radiation sickness] Savitskii IV, et al. **Radiobiologiia** 16(1):16–20, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Effect of ionizing radiation on chromatin and lipid metabolism in birds] Shabalina AT, et al. **Radiobiologiia** 15(6):887–90, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Change in the oxidation-reduction potential of brain and liver tissue during x-irradiation of rats] Shostakovskaia IV, et al. **Radiobiologiia** 15(6):839–42, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Level of ascorbic acid in monkeys exposed to prolonged irradiation in small doses] Solov'eva GA, et al. **Radiobiologiia** 15(4):624–7, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Effect of whole-body x-irradiation on the composition and metabolism of rat brain lipids] Taranova NP. **Radiobiologiia** 15(6):821–5, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Effect of ionizing radiation on RNA metabolism. 2. Kinetics of nuclear RNA decomposition in irradiated rat organs] Umanskii SR, et al. **Radiobiologiia** 15(6):807–11, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Content of inorganic phosphorus in animals in acute radiation sickness and after bone marrow transplantation] Shamrai AE. **Vrach Delo** (5):118–20, May 75 (Rus)

MORTALITY

Life shortening, neoplasia and systematic injuries in mice after single or fractionated doses of neutron or gamma radiation. pp. 77–92. Ainsworth EJ, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.
Effect of instantaneous dose rate on survival time of mice. pp. 93–102. Willhoit DG, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.
Dose, dose rate, radiation quality, and host factors for radiation-induced life shortening. pp. 493–517. Sacher GA.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (46 ref.)
Nine-year mortality experience in proton-exposed Macaca mulatta. Krupp JH. **Radiat Res** 67(2):244–51, Aug 76
Single dose fast neutron RBE for pulmonary and esophageal damage in mice. Geraci JP, et al. **Radiology** 120(3):701–3, Sep 76
[Studies on chemical protectors against radiation. XVI. Effect of soft x-irradiation on survival and body weight of mice (author's transl)] Shinoda M, et al. **J Pharm Soc Jpn** 95(6):706–9, Jun 75 (Eng. Abstr.) (Jpn)
[Radiation death of mice after whole-body nonuniform (along the length of the body) x-irradiation] Ivashin VA, et al. **Radiobiologiia** 15(6):871–4, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Relation of average lifespan, mortality and frequency of osteosarcoma in rats to the absorbed dose from strontium-90] Shvedov VL, et al. **Radiobiologiia** 15(3):402–6, May–Jun 75 (Eng. Abstr.) (Rus)
[Effect of bone marrow transplantation on the activity of lethally irradiated animals] Koval' AI, et al. **Vrach Delo** (4):96–8, Apr 75 (Rus)

PATHOLOGY

Inflammatory sequences in acute pulmonary radiation injury. Slauson DO, et al. **Am J Pathol** 82(3):549–72, Mar 76
Ultrastructural changes in rabbits liver after irradiation. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 20(2):67–8, 1975
Ultrastructural changes in rabbit small intestine after irradiation. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 20(2):63–4, 1975
Lens epithelium and radiation cataract. I. Preliminary studies. Worgul BV, et al. **Arch Ophthalmol** 94(6):996–9, Jun 76
Lysosomes and radiation injury. Watkins DK. **Front Biol** 43(4):147–66, 1975 (79 ref.)
Radiation pneumonitis. Amla TR, et al. **Indian J Med Res** 63(7):910–5, Jul 75
Evidence for reproductive death of dividing cells in thymus and spleen following whole-body gamma-irradiation of mice. Suciu D, et al. **Int J Radiat Biol** 28(5):409–16, Nov 75
Vascular and morphological changes in the urinary bladder wall after irradiation. Hietala SO, et al. **Int Urol Nephrol** 7(2):119–29, 1975
Radiation nephritis. Chronic changes following moderate doses of radiation. Madrazo AA, et al. **Lab Invest** 34(3):283–90, Mar 76
Incidence of radiation-induced cataract in single and parabiotic rats. Porter MW, et al. **Radiat Res** 65(3):474–80, Mar 76
Late changes in the irradiated microvasculature: an electron microscope study of the effects of fission neutrons. Stearner SP, et al. **Radiat Res** 65(2):351–70, Feb 76
Radiation-induced changes in the fine structure of the heart: comparison of fission neutrons and 60Co gamma rays in the mouse. Yang VV, et al. **Radiat Res** 67(2):344–60, Aug 76
Histopathologic changes induced in rats by localized x-irradiation of an exteriorized segment of the small intestine. Sebes JI, et al. **Strahlentherapie** 150(4):403–10, Oct 75
[The influence of the radiation factor on the structure of the gastric mucous membrane] Zhukova NM. **Arkh Anat Gistol Embriol** 69(12):24–9, Dec 75 (Eng. Abstr.) (Rus)
[A change in the dendrite apparatus of the central nervous system under the influence of several extreme factors] Tumanov VP. **Arkh Patol** 38(3):41–7, 1976 (Eng. Abstr.) (Rus)
[A morphologic analysis of denuding of the villi in the intestinal form of acute radiation sickness] Parshkov EM, et al. **Biull Eksp Biol Med** 80(11):113–6, Nov 75 (Eng. Abstr.) (Rus)
[Histomorphological study of wound regeneration in animals irradiated for a long time with low-intensity microwaves] Shaposhnikov IuG, et al. **Biull Eksp Biol Med** 80(8):116–8, Aug 75 (Eng. Abstr.) (Rus)
[Characteristics of morphological reactions in dog internal organs and endocrine glands during 6-year gamma irradiation] Savina EA, et al. **Kosm Biol Aviakosm Med** 10(1):57–61, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Local injuries after brain irradiation with a narrow beam of protons] Minakova EI, et al. **Med Radiol (Mosk)** 20(7):33–9, Jul 75 (Eng. Abstr.) (Rus)
[Transplantation of bone marrow of mice at late periods after their irradiation] Volchkov VA. **Med Radiol (Mosk)** 21(1):75–7, Jan 76 (Rus)
[Characteristics of lymphocytoid cells detected during post-radiation bone marrow recovery] Barakina NF, et al. **Ontogenez** 6(4):357–62, 1975 (Eng. Abstr.) (Rus)
[Characteristics of lymphocytoid cells detected during post-radiation bone marrow recovery] Barakina NF, et al. **Ontogenez** 6(4):357–62, 1975 (Eng. Abstr.) (Rus)
[Change in the number of cells in the mouse small intestine caused by different radiation doses] Semenov LF, et al. **Radiobiologiia** 15(3):447–9, May–Jun 75 (Eng. Abstr.) (Rus)
[Morphological changes of the palatine tonsils in acute radiation sickness] Afrikanova LA, et al. **Vestn Otorinolaringol** (1):56–60, Jan–Feb 76 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Hemopoietic recovery in bone marrow of lethally irradiated rats following parabiosis. I. Granulopoiesis. Seno S, et al. **Acta Haematol (Basel)** 55(6):321–31, 1976
The repopulation of lymph nodes of dogs after 1200 R whole-body x-irradiation and intravenous administration of mononuclear blood leukocytes. Nelson B, et al. **Am J Pathol** 84(2):259–82, Aug 76
Regional cerebral blood flow in delayed brain swelling following x-irradiation of the right occipital lobe in the monkey. Tanaka A, et al. **Brain Res** 96(2):233–46, 17 Oct 75
Regional blood flow in rats exposed to supralethal doses of whole body x-irradiation. Watters C, et al. **Radiat Environ Biophys** 12(4):303–13, 4 Dec 75
Renal function and intra/extravascular distribution spaces in the rat after supralethal whole-body x-irradiation. Watters C, et al. **Radiat Environ Biophys** 12(4):291–302, 4 Dec 75
Effects of low-level (1.0 R) x-irradiation on the erythroid response of the rat bone marrow. Gong JK, et al. **Radiat Res** 65(1):83–97, Jan 76
Thymic regeneration in lethally x-irradiated mice. Sharp JG, et al. **Radiat Res** 64(2):293–305, Nov 75
Erythroid differentiation of fetal, newborn and adult haemopoietic stem cells. Rencricca NJ, et al. **Scand J Haematol** 16(3):189–95, Mar 76
Effect of postradiation bleeding on proliferative activity of cells in small intestine crypts of rats. Petrović NV. **Strahlentherapie** 150(6):585–9, Dec 75
Regional cerebral blood flow in delayed brain swelling following X-irradiation of the right occipital lobe in the monkey. Caveness WF, et al. **Trans Am Neurol Assoc** 100:172–4, 1975
[Effect of coronary artery dilating agents and cardiac glycosides on myocardial blood flow in acute radiation sickness] Banaszkiewicz W. **Pol Tyg Lek** 30(37):1539–41, 15 Sep 75 (Pol)
[Use of a mathematical model of erythropoiesis to study the recovery process in mice exposed to acute x-ray irradiation] Vácha J, et al. **Biofizika** 20(5):872–9, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Reimmigration of bone marrow stem cells in mice in radiation experiments] Gronskaia NF, et al. **Dokl Akad Nauk SSSR** 223(5):1276–9, 11 Aug 75 (Rus)
[Angiographic study of cerebral hemodynamics in radiation, burn and combined injuries] Mazaev PN, et al. **Eksp Khir Anesteziol** (1):19–21, 1976 (Eng. Abstr.) (Rus)
[Liver wound healing in acute radiation injuries] Guseva LN, et al. **Khirurgiia (Mosk)** (1):45–8, Jan 76 (Eng. Abstr.) (Rus)
[Variants of morphofunctional disorders of the hypophysal-adrenal-thyroid gland system in acute radiation injury] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):26–30, Mar 76 (Eng. Abstr.) (Rus)
[Variants of morphofunctional disorders in the pituitary-adrenal-thyroid gland system in acute radiation injury] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):26–30, Mar 76 (Eng. Abstr.) (Rus)
[Reproductive function of monkeys exposed to chronic irradiation] Artem'eva NS, et al. **Radiobiologiia** 16(1):137–40, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Biotelemetric study of motor activity following acute irradiation] Ivanov KV, et al. **Radiobiologiia** 15(3):407–10, May–Jun 75 (Eng. Abstr.) (Rus)
[Comparative evaluation of bone marrow hematopoiesis in the dog sternum and iliac bone following nonuniform proton irradiation with different absorbed doses] Kalandarova MP. **Radiobiologiia** 15(6):905–8, Nov–Dec 75 (Eng. Abstr.) (Rus)
[State of the blood system in dogs following irradiation in high-altitude conditions] Kalandarova MP. **Radiobiologiia** 16(1):143–7, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Influence of mexamine on the functional state of the hypophyseal-adrenocortical system of rats in the presence of radiation] Lebedev VG, et al. **Radiobiologiia** 15(5):695–9, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Effect of acceleration on the higher nervous activity of previously irradiated rats] Livshits NN, et al. **Radiobiologiia** 15(4):566–72, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Effect of heat stress on the body temperature, respiration and pulse of dogs chronically exposed to gamma-radiation] Popova NA, et al. **Radiobiologiia** 15(3):465–7, May–Jun 75 (Eng. Abstr.) (Rus)
[Change in the corticotropin releasing activity of the rat hypothalamus at long intervals following irradiation] Prokudina EA, et al. **Radiobiologiia** 15(3):456–9, May–Jun 75 (Eng. Abstr.) (Rus)
[Hematopoiesis recovery in irradiated mice during treatment with RES-seeking dyes] Starostin VI. **Radiobiologiia** 15(3):449–52, May–Jun 75 (Eng. Abstr.) (Rus)
[Changes in some functional properties of the vessels of the intestine in total body gamma-irradiation in superlethal doses] Sushkevich LN, et al. **Radiobiologiia** 15(5):771–5, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Liver insulinase and insulin-like activity of rat blood after irradiation] Zhikhareva AI, et al. **Radiobiologiia** 15(3):454–6, May–Jun 75 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Protection of the skin of mice against irradiation with cyclotron-accelerated helium ions by 2-mercaptoethylamine. Baker DG, et al. **Acta Radiol [Ther] (Stockh)** 14(6):561–71, Dec 75
Sparing effect of cyclophosphamide (NSC-26271) pretreatment on animals lethally treated with gamma-irradiation. Millar JL, et al. **Cancer Treat Rep** 60(4):409–14, Apr 76
Radioprotection of the digestive tract by intravenous infusion of vasopressin. Juillard GJ, et al. **Gynecol Oncol** 3(3):233–43, Sep 75
Letter: Modification of radiation lethality by previous treatment with butylated hydroxytoluene. Clapp NK, et al. **Radiat Res** 64(2):388–92, Nov 75
Chemoprotection against fractionated radiation exposures with WR-2721: skin injury. Echols FS, et al.

Radiat Res 66(3):499-504, Jun 76

The effect of S-2-(3-aminopropylamino)ethylphosphorothioic acid (WR 2721) on intestinal crypt survival. II. Fission neutrons. Sigdestad CP, et al. **Radiat Res** 65(3):430-9, Mar 76

Radioprotection of mice by phenylhydrazine-damaged erythrocytes. Smith LH, et al. **Radiat Res** 67(2):286-98, Aug 76

Distribution and behaviour of isoselenium salts in organism. III. Radioprotective effect of selenium derivatives. Kozák I, et al. **Strahlentherapie** 150(5):539-45, Nov 75

Distribution and behavior of isoselenouronium salts in the body. VI. Comparative study of distribution and radioprotectivity of selenium derivatives. Kozák I, et al. **Strahlentherapie** 151(1):84-7, Jan 76

[Action of fast neutrons and gamma rays on lipid metabolism and the radiation-protective effect of cysteine and CFP9] Gheorghe N, et al. **Rev Roum Morphol Physiol** 20(1):49-52, 1974 **(Fre)**

[Experimental principles for the use of hypoxia in radiation therapy (author's transl)] Jarmonenko SP, et al. **Radiobiol Radiother (Berl)** 16(3):319-29, 1975 (Eng. Abstr.) **(Ger)**

[Protective effect of complexogenic drugs (BAL, alpha-mercaptopropionyl-glycine) on some enzyme activities of the kidney of rats treated with chlormerodrin-Hg197. Histochemical studies] Laconi A, et al. **Boll Soc Ital Biol Sper** 51(13):810-3, 15 Jul 75 **(Ita)**

[Protective effect of complexogenic drugs (cysteamine, cysteine) on some enzyme activities of the kidney of rats treated with chlormerodrin-Hg197. Histochemical studies] Laconi A, et al. **Boll Soc Ital Biol Sper** 51(13):814-6, 15 Jul 75 **(Ita)**

[Increased thymidine excretion under the influence of polyanions] Bryksina LE, et al. **Biull Eksp Biol Med** 81(6):655-6, Jun 76 (Eng. Abstr.) **(Rus)**

[Radioprotective effect of pyrazolone derivatives] Piskarev AV, et al. **Biull Eksp Biol Med** 80(7):58-60, Jul 75 (Eng. Abstr.) **(Rus)**

[The effect of cystamine on the outcome of dominant lethal mutations and reciprocal translocations in sex cells of mice subjected to gamma-irradiation in different doses] Pomerantseva MD, et al. **Genetika** 10(7):55-61, 1975 (Eng. Abstr.) **(Rus)**

[Radioprotective effect of mexamine and cystamine on animals during hypokinesia and ionizing radiation exposure] Kolemeeva LIa, et al. **Kosm Biol Aviakosm Med** 9(6):78-9, Nov-Dec 75 **(Rus)**

[Effect of apilite on the radiosensitivity of mice] Artemov NM, et al. **Radiobiologiia** 15(3):462-5, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effectiveness of a combination of mexamine and cystamine and their combined effect on respiratory exchange in mice] Kautská J, et al. **Radiobiologiia** 16(1):83-7, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of Central Asian snake venoms] Khalikov SK, et al. **Radiobiologiia** 15(6):910-3, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Use of radioactive iron for the evaluation of the effectiveness of radioprotectors. Influence of cystamine, AET, and meksamine on the erythropoiesis of mice irradiated with lethal doses of x-rays] Koval' IuF, et al. **Radiobiologiia** 15(4):633-6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of sulfide-containing purine derivatives] Krutovskikh GN, et al. **Radiobiologiia** 15(4):543-6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Therapeutic action of negative unipolar air ionization during irradiation of mice] Martynchik IuF, et al. **Radiobiologiia** 16(1):148-50, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of ionol on the development of radiation injury to mouse intestine] Nesterenko VS, et al. **Radiobiologiia** 15(3):394-7, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Serum globulins as an antiradiation preparation] Shal'nova GA, et al. **Radiobiologiia** 15(5):700-3, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effect of beta-mercaptopropylamine during prolonged irradiation] Tikhomirova MV, et al. **Radiobiologiia** 15(3):379-83, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effects of serotonin] Vodop'ianova LG, et al. **Radiobiologiia** 15(5):712-5, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of interferonogen on the nonspecific radioresistance to roentgen irradiation] Biniashevskii EV, et al. **Vrach Delo** (7):138-41, Jul 75 (Eng. Abstr.) **(Rus)**

[The effect of splenin on the DNA-ase activity of the urine and several tissues of intact and irradiated animals] Shevchenko OV, et al. **Fiziol Zh** 20(6):759-62, Nov-Dec 74 (Eng. Abstr.) **(Ukr)**

SURGERY

Bone marrow reconstitution using a block grafting technique. Parker JR, et al. **S Afr Med J** 50(15):577-9, 3 Apr 76

THERAPY

Reconstitution capacity of bone marrow cells from nude mice in radiation chimeras. Tao TW, et al. **Acta Haematol (Basel)** 55(6):332-7, 1976

Proceedings: Modification of the repair of radiation damage of haematopoiesis in mice by microwaves. Rotkovska D, et al. **J Microwave Power** 11(2):141-3, Jun 76

[Effect of thymocyte autotransplantation on postradiation regeneration of hematopoiesis] Fedotova MI, et al. **Biull Eksp Biol Med** 79(6):32-4, Jun 75 (Eng. Abstr.) **(Rus)**

[The effect of mechanical bone marrow damage in irradiated mice on the dispersion of endogenous colony forming units] Zherbin EA, et al. **Biull Eksp Biol Med** 81(1):70-2, Jan 76 **(Rus)**

[Quantitative characteristics of the phenomenon of acceleration of hematopoiesis regeneration in thymocyte transplantation] Zimin IuI, et al. **Biull Eksp Biol Med** 80(7):28-30, Jul 75 (Eng. Abstr.) **(Rus)**

[Morphogenesis of the early stages of hematopoiesis recovery in the spleen of irradiated mice following bone marrow transplantation] Nezdatnyĭ MM, et al. **Dokl Akad Nauk SSSR** 225(4):981-4, 1 Dec 75 **(Rus)**

[Activity and distribution of desoxyribonuclease in the liver and spleen of animals in the dynamics of acute radiation sickness and following treatment with transplanted bone marrow] Koval' AI, et al. **Radiobiologiia** 15(4):516-20, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of exogenous nucleic acids on the repopulation activity of deconserved bone marrow] Chebotarev EE, et al. **Tsitol Genet** 9(6):546-50, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

URINE

Evaluation of radiochemical protectors using urinary deoxycytidine levels. Wrede DE, et al. **Int J Radiat Biol** 28(2):117-24, Aug 75

VETERINARY

[The concentration of guanosine and uridine acid-soluble nucleotides in the liver of gamma rays irradiated chick embryos and chickens] Drianovski P, et al. **Vet Med Nauki** 11(9):44-9, 1974 (Eng. Abstr.) **(Bul)**

[Morphologic changes in the skin of sheep and lambs following external exposure to Sr90] Iordanov I, et al. **Vet Med Nauki** 11(10):33-8, 1974 (Eng. Abstr.) **(Bul)**

[Ultrastructural changes in the liver of gamma ray irradiated chick embryos and chickens] Todorov B. **Vet Med Nauki** 11(9):39-43, 1974 (Eng. Abstr.) **(Bul)**

RADIATION, IONIZING

Irradiation sterilization of pharmaceutical products. Diding N. **Acta Pharm Suec** 12 SUPPL:35-43, 1975

Radiation sterilization: background and prospects. Holm NW, et al. **Acta Pharm Suec** 12 SUPPL:26-34, 1975

The new special names of SI units in the field of ionizing radiation. Wyckoff HO, et al. **Acta Radiol [Ther] (Stockh)** 14(6):590-1, Dec 75

X-ray excited optical luminescence of polynuclear aromatic hydrocarbons. D'Silva AP, et al. **Anal Chem** 48(6):915-7, May 76

Effects of irradiation on RNA synthesis primed by calf thymus deoxyribonucleoprotein treated with salt and salt-urea. Kobayashi T, et al. **Biochim Biophys Acta** 425(4):396-400, 2 Apr 76

Gamma radiation as a microbiological control process. O'Sullivan ET, et al. **Bull Parenter Drug Assoc** 30(1):49-52, Jan-Feb 76

Natural radiation dose in Akiyoshi Cavern and on Karst Plateau. Ikeya M. **Health Phys** 31(1):76-8, JUL 76

Letter: The new special names of SI units in the field of ionizing radiations. Lidén K. **Health Phys** 30(5):417-8, May 76

Digital imaging of gamma-ray sources with depth information. Singleton RM, et al. **IEEE Trans Biomed Eng** 23(3):239-46, May 76

Radiopasteurization in the processing of non-sterile pharmaceutical preparations and basic materials. pp. 379-86. Armbrust RF.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiation sterilization in Israel--past, present, and future. pp. 447-58. Aronson M, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (51 ref.)

Facility calibration, the commissioning of a process, and routine monitoring practices. pp. 69-81. Chadwick KH.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Current state of radiation sterilization of medical products in India: problems and special advantages in developing countries. pp. 437-46. Iya VK, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiation dosimetry problems when sterilizing medical products in gamma-irradiation plants. pp. 305-22. Krishnamurthy K.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

A low-cost irradiation facility for pilot-scale process irradiation studies. pp. 331-8. Krishnamurthy K, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Appraisal of the advantages and disadvantages of gamma, electron and X-ray radiation sterilization. pp. 269-88. Morganstern KH.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Recommendations for the radiation sterilization of medical products. pp. 513-23. Mukherjee RN.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Factors involved in planning radiation-sterilization practices and technology in the developing countries, and the agency's promotional role. pp. 415-30. Mukherjee RN, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Prospects for radiation sterilization of medical products in Egypt. pp. 477-91. Roushdy HM.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Proposed Philippine radiation-sterilization plant, and a survey of market potential. pp. 459-65. Singson CC, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Industrial and dosimetric aspects of radiation sterilization in Australia. pp. 101-12. Wills PA, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Letter: Heavy-ion radiolysis of solid glycine. Tung TL, et al. **J Am Chem Soc** 98(14):4341-2, 7 Jul 76

The new special names of SI units in the field of ionizing radiations. Lidén K. **J Belge Radiol** 58(6):487-8, Nov-Dec 75

The effect of gamma radiation on cercariae of Schistosoma mansoni. Ghandour AM, et al. **J Helminthol** 49(3):161-5, Sep 75

Cathodoluminescence of biological molecules, macromolecules and cells. Barnett WA, et al. **J Microsc (Oxf)** 105(3):299-303, Dec 75

X-ray machines for airport security. Holder LE. **JAMA** 233(13):1393-4, 29 Sep 75

Saturation curve in gases of high atomic number at pressures up to 8 atm. I. Krypton and xenon. Boag JW, et al. **Med Phys** 2(5):245-50, Sep-Oct 75

Primary production of oxygen from irradiated water as an explanation for decreased radiobiological oxygen enhancement at high LET. Baverstock KF, et al. **Nature** 260(5549):316-8, 25 Mar 76

X-ray energies for effective atomic number determination. Rutherford RA, et al. **Neuroradiology** 11(1):23-8, 1976

Oxygen-dependence of near UV (365 NM) lethality and the interaction of near UV and X-rays in two mammalian cell lines. Danpure HJ, et al. **Photochem Photobiol** 23(3):171-7, Mar 76

Letter: Muonic X-rays from healthy dog liver and dog liver with a tumour. Daniel H, et al. **Phys Med Biol** 20(6):1035-6, Nov 75

Letter: The new special names of SI units in the field of ionizing radiations. Liden K. **Phys Med Biol** 20(6):1029-31, Nov 75

Experimental X-ray attenuation coefficients at low photon energies for substances of medical importance. Millar RH. **Phys Med Biol** 20(6):974-9, Nov 75

Secondary radiation from a spherical tissue-equivalent phantom irradiated with 60Co gamma radiation and 6 MV X-rays. Nilsson B. **Phys Med Biol** 20(6):963-73, Nov 75

Deficiency of gamma-ray excision repair in skin fibroblasts from patients with Fanconi's anemia. Remsen JF, et al. **Proc Natl Acad Sci USA** 73(7):2419-23, Jul 76

A faster and more accurate instrument for digital measurement of pupil diameter. Juris M. **Psychophysiology** 13(4):363-5, Jul 76

Behavioral and electrophysiological studies of radiation detection in a freshwater crustacean. Rodriguez A, et al. **Radiat Res** 66(1):134-46, Apr 76

SI units for ionizing radiations. The use of the 'gray'. Dunworth JV. **Radiography** 42(496):84, Apr 76

Editorial: Conversion to SI units: comment on the special report from the ICRU. Eyler WR. **Radiology** 118(1):235, Jan 76

The new special names of SI units in the field of ionizing radiations. Wyckoff HO, et al. **Radiology** 118(1):233-4, Jan 76

Effects of gama-radiation on eggs of Pomacea haustrum (Reeve, 1843) from the Pampulha lake, Belo Horizonte, M. G. (prosobranchia, Pilidae). Dos Santos Carvalho O, et al. **Rev Bras Biol** 34(4):565-71, 1974

Radiation-sterilized bone grafts evaluated by electron spin resonance technique and mechanical tests. Komender J, et al. **Transplant Proc** 8(2 Suppl 1):25-37, Jun 76

[Technology of radiosterilization installations: some aspects concerning the developing countries] pp. 289-303. Eymery R.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Fre)**

[Sterilization by ionizing radiations (author's transl)] Transy

MJ, et al. **Rev Epidemiol Sante Publique** 24(2):165–84, Mar–Apr 76 (31 ref.) (Eng. Abstr.) **(Fre)**

[Radiation sterilization of contact lenses] Ehrich W, et al. **Ber Dtsch Ophthalmol Ges** (73):301–3, 1975 **(Ger)**

[Origination and properties of Röntgen radiation] pp. 21–9. Gursky S.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Principles of dosimetry] pp. 44–60. Hegewald H.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Interaction of ionizing radiation with matter] pp. 29–44. Krüger K.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Diagnosis of osteoporosis by measurement of 125I–absorption of the finger (author's transl)] Breuel HP, et al. **Radiologe** 15(6):251–5, Jun 75 (Eng. Abstr.) **(Ger)**

[The new radiologic units of measurement gray and becqerel (author's transl)] Harder D. **Roentgenblaetter** 29(1):49–52, Jan 76 (Eng. Abstr.) **(Ger)**

[Sterilization of cereal grain samples by gamma–irradiation (author's transl)] Di Maggio D, et al.
Ann Ist Super Sanita 10(3–4):158–63, 1974 (Eng. Abstr.) **(Ita)**

[Gamma–ray spectra of some kind of radiopharmaceuticals and other nuclides (author's transl)] Urakubo G, et al.
Bull Natl Inst Hyg Sci (Tokyo) (93):117–9, 1975 (Eng. Abstr.) **(Jpn)**

[Proceedings: Measurement of ions in neurons using a laser microprobe and x–ray microanalyzer] Onozuka M, et al. **J Physiol Soc Jpn** 36(8–9):341–2, 1 Sep 74 **(Jpn)**

[Ionizing radiation used in medicine as a pathogenic factor] Majle T. **Pol Tyg Lek** 30(35):1445–7, 1 Sep 75 **(Pol)**

[Radiation sterilization of disposable medical equipment] Zagórski ZP. **Polim Med** 5(4):301–305, 1975 (Eng. Abstr.) **(Pol)**

[Revertants of recA–strains of Escherichia coli K–12] Shishkova OV, et al. **Genetika** 12(1):98–110, 1976 (Eng. Abstr.) **(Rus)**

[Air pollution from beryllium compounds in the manufacture of x–ray tubes] Bobrishchev–Pushkin DM, et al.
Gig Tr Prof Zabol (6):36–8, Jun 76 (Eng. Abstr.) **(Rus)**

[Choice of the irradiation dose for the sterilization of medical products] pp. 61–8. Bochkarev VV, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Monitoring of the radiation sterilization process] pp. 137–44. Khrushchev VG, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Rus)

[Industrial facilities for the radiation sterilization of medical products] pp. 341–50. Osipov VB, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[The effect of remote gamma–irradiation on the dental hard tissues] Borovskiĭ EB, et al. **Stomatologiia (Mosk)** 55(2):1–4, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Tubal gammatherapy with radium. Results of 2 years experience with tubal inflammation, serous otitis and otorrhea surgery] Sprekelsen C, et al.
An Otorrinolaringol Ibero Am 2(2):28–39, 1975 (Eng. Abstr.) **(Spa)**

[Myelopathies by ionizing radiations] Sanjuanbenito L, et al. **Arch Neurobiol (Madr)** 38(1):1–12, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Progress of radiosterilization in the Argentine Republic] pp. 467–76. Mariano EE, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Spa)**

[Effect of gamma rays and gibberellin on the accumulation of X virus in potato plants] Anokhin VM, et al.
Mikrobiol Zh 37(1):111–2, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Effect of gamma rays on peroxidase and polyphenol oxidase activity in hop plants affected by leaf roll virus] Anokhin VM, et al. **Mikrobiol Zh** 37(1):80–3, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Complications of routine gastrointestinal x–ray examination. pp. 281–9. Haskin M, et al.
In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974. (36 ref.)

Measures of association of some air pollutants, natural ionizing radiation and cigarette smoking with mortality rates. Schwing RC, et al. **Sci Total Environ** 5(2):139–69, Mar 76

INSTRUMENTATION

Simple photometer for federal x–ray standard light localizer compliance testing. Penn CA, et al. **Health Phys** 29(2):347–8, Aug 75

STANDARDS

The new special names of SI units in the field of ionizing radiations. Wyckoff HO, et al.
Fortschr Geb Roentgenstr Nuklearmed 123(6):579–80, Dec 75

RADIATION MONITORING

Radiation hygiene in photofluorography. Welde F.
Acta Radiol [Ther] (Stockh) 14(2):187–94, Arp 75

Letter: Radiation exposure rates on syringe surfaces from 99Tcm. Henson PW, et al. **Br J Radiol** 49(582):569–70, Jun 76

Radiation exposure to angiographer during coronary arteriography using the U arm image amplifier. Begg FR, et al. **Cathet Cardiovasc Diagn** 1(3):261–5, 1975

Dosimetry of portable image intensifiers in pacemaker insertions. Hayt DB, et al. **Cathet Cardiovasc Diagn** 1(3):267–74, 1975

'Fallout tritium' distribution in the environment. Bogen DC, et al. **Health Phys** 30(2):203–8, Feb 76

Radiation leakage from electron microscopes. Devanney JA, et al. **Health Phys** 30(2):231–4, Feb 76

Spectra and dosimetry of neutrons from moderation of 235U and 252Cf fission sources in H2O. Ing H, et al.
Health Phys 29(6):839–51, Dec 75

Remote plutonium contamination and total inventories from Rocky Flats. Krey PW. **Health Phys** 30(2):209–14, Feb 76

Determination of the type and amount of fission products released in a nuclear reactor accident. Tadmor J.
Health Phys 30(1):95–112, Jan 76

Implementing the requirement to reduce radiation exposure to 'as low as practicable' at the Lawrence Berkeley Laboratory. Thomas RH. **Health Phys** 30(3):271–9, Mar 76

Cannikin nuclear explosion: human surveillance. pp. 647–50. Brown CV.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Letter: Tritium hazards connected with the operation of a neutron generator. Kollár J, et al.
Int J Appl Radiat Isot 26(10):635–6, Oct 75

Long–lived radionuclide impurities in eluates from molybdenum–technetium generators and the associated absorbed dose to the patient. Finck R, et al.
Int J Nucl Med Biol 3(2):89–97, Apr 76

Absolute exposure measurements in the Netherlands in the 10–250 kV x–ray region and for 60Co–gamma rays. Hofmeester GH, et al. **J Belge Radiol** 58(6):481–6, Nov–Dec 75

Editorial: Working with iodine–125. **Lancet** 1(7951):133, 17 Jan 76

Exposure values around an x–ray scanning transaxial tomograph (EMI scanner). Gross G, et al. **Med Phys** 2(5):282, Sep–Oct 75

Letter: 'Hot–watch syndrome'. Garnick MB.
N Engl J Med 294(1):54, 1 Jan 76

External dose estimates for future inhabitants of eniwetok atoll. Gudiksen PH, et al. **Nature** 257(5524):284–7, 25 Sep 75

Divergent X–ray–induced mutation rates in the mouse for H and '7–locus' groups of loci. Kohn HI, et al. **Nature** 259(5540):209–10, 22 Jan 76

Letter: Monitoring surface contamination. Gale HJ.
Phys Med Biol 20(4):656–7, Jul 75

An approach to the surveying of radiation environments for radiation protection purposes. Harvey JR.
Phys Med Biol 20(6):1003–14, Nov 75

Spectra and dosimetry related to neutron irradiations of the human body. Ing H, et al. **Phys Med Biol** 20(6):906–17, Nov 75

An approach to microdosimetry in a pi– meson beam using nuclear emulsions. Kember NF, et al. **Phys Med Biol** 20(6):918–25, Nov 75

Environmental radioactivity in Denmark in 1973. Aarkrog A, et al. **Riso Rep** (305):1–96, Jun 74

Environmental radioactivity in Greenland in 1973. Aarkrog A, et al. **Riso Rep** (307):1–20, Jul 74

Environmental radioactivity in the Faroes in 1973. Aarkrog A, et al. **Riso Rep** (306):1–21, Jul 74

[Radiation burden from X–ray diagnosis and new technological developments (author's transl)] Stieve FE. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):97–111, Aug 76 (Eng. Abstr.) **(Ger)**

[Evaluation of physical radiation protection control with reference to incorporation supervision] Erlenbach HR.
Strahlenschutz Forsch Prax 15:85–94, 1976 **(Ger)**

[Medical monitoring for radiation protection of subjects occupationally exposed to radiation in the German Democratic Republic] Schüttmann W, et al.
Z Gesamte Hyg 21(4):289–95, Apr 75 (Eng. Abstr.) **(Ger)**

[Editorial: Medical supervision of radiation protection in conventional industry] Ghezzi I. **Med Lav** 66(3):161–5, May–Jun 75 **(Ita)**

[Assessment of the radioactive substance content in the body of atomic electric power station repair personnel] Arkhangel'skaia IG, et al. **Gig Sanit** (3):45–9, Mar 76 (Eng. Abstr.) **(Rus)**

[Results of long–term observation of the radiation conditions in the region of the I. V. Kurchatov Beloiarsk Atomic Power Plant] Piskunov LI, et al. **Gig Sanit** (11):111–3, Nov 75 **(Rus)**

[Radiation loads of physicians–surgeons and paramedical personnel in catheterization of cardiac cavities and blood vessels with the use of electron–optic amplifiers and x–ray television units] Zol'nikova NI, et al. **Grudn Khir** (1):41–7, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Evaluation of levels of irradiation from evoked activity on medical acclerators of B5M–25 and LUE–25 types] Bazhanov EB, et al. **Med Radiol (Mosk)** 21(2):60–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Assessment of the radiation danger of jobs to remove constant–action luminescent dyes] Diachok VK, et al.
Voen Med Zh (8):51–3, Aug 75 **(Rus)**

INSTRUMENTATION

A portable spectroradiometer for use at visible and ultraviolet wavelengths. Piltingsrud HV, et al.
Am Ind Hyg Assoc J 37(2):90–4, Feb 76

Update on the independent radiation monitor (IRM). Kroening PM, et al. **Am J Roentgenol** 127(2):355, Aug 76

A commercially available Compton suppression, NaI–Ge (Li) unit for low–level gamma analysis of environmental samples. Caruthers LT, et al. **Health Phys** 29(6):872–4, Dec 75

The use of 237Np in personal dosimeters for fast neutrons. Cross WG, et al. **Health Phys** 28(5):511–20, May 75

A stationary neutron monitor for criticality accidents. Dhairyawan MP, et al. **Health Phys** 29(5):777–9, Nov 75

Exploratory study of the use of TSEE dosimeters in radon monitoring. Gamage RB, et al. **Health Phys** 30(1):145–8, Jan 76

An international intercomparison of environmental dosimeters. Gesell TF, et al. **Health Phys** 30(1):125–33, Jan 76

A personal contamination monitor using large area Geiger counters. Jones AR. **Health Phys** 28(5):521–7, May 75

Direct measurement of beta dose rates in tissue at protection levels. Sundra Rao IS, et al. **Health Phys** 29(5):747–51, Nov 75

Particle dosimetry by track etching, with applications to Apollo astronauts and to heavy radionuclide mapping in biological systems. pp. 570–80. Fleischer RL.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Calculated energy dependence of some RTL and RPL detectors. Bassi P, et al. **Int J Appl Radiat Isot** 27(5–6):291–305, May–Jun 76

Proceedings: A miniature portable microwave power monitor. Agarwal R, et al. **J Microwave Power** 11(2):153–4, Jun 76

Proceedings: A low frequency H–field radiation monitor. Aslan E. **J Microwave Power** 11(2):155–6, Jun 76

Proceedings: Power density measurements in the near fields. Babij TM. **J Microwave Power** 11(2):157–8, Jun 76

Proceedings: High sensitivity electromagnetic leakage monitors. de Vecchis M. **J Microwave Power** 11(2):154–5, Jun 76

Proceedings: A liquid crystal calorimeter for radiation monitoring. Fanslow GE. **J Microwave Power** 11(2):149–50, Jun 76

Proceedings: Microwave leakage indication. Kashyap SC, et al. **J Microwave Power** 11(2):156–7, Jun 76

Real–time display of radiation field intensity distribution. Berardo PA, et al. **Med Phys** 3(4):259–63, Jul–Aug 76

Letter: Power supply in ionization chambers. Hranitzky EB.
Med Phys 2(5):283, Sep–Oct 75

Maintenance of condenser–ion chamber calibration. Rozenfeld M. **Med Phys** 2(5):274–7, Sep–Oct 75

Rapid depth dose determination by a computer–controlled dosimetry system. Bottrill DO, et al. **Phys Med Biol** 20(6):980–9, Nov 75

New 'wall–less' ionization chamber for air dose measurement. Varma MN, et al. **Rev Sci Instrum** 47(1):112–4, Jan 76

[Measurement of linear exposure nominal pose used in curietherapy] Bernard M, et al.
J Radiol Electrol Med Nucl 56(11):785–90, Nov 75 (Eng. Abstr.) **(Fre)**

[Study of the content of radioactive substances in the body of workers using a portable human radiation counter (HRC)] Voronin KV, et al. **Gig Sanit** (2):50–3, Feb 75 (Eng. Abstr.) **(Rus)**

METHODS

Objective symmetry detector method for gammaencephalography. I. Physical characteristics. Larsson S, et al. **Acta Radiol [Ther] (Stockh)** 14(1):63–80, Feb 75

Environmental gamma–ray measurements using in situ and core sampling techniques. Dickson HW, et al.
Health Phys 30(2):221–7, Feb 76

A nuclear power plant radiation monitoring system. McArthur WC, et al. **Health Phys** 29(3):427–8, Sep 75

Efficiency of wipe samples in the determination of carbon–14 and tritium contamination. Muse LA, et al.
Health Phys 30(4):355–6, Apr 76

Standard field methods for determining 137Cs and 131I in vivo. Palmer HE, et al. **Health Phys** 30(1):113–8, Jan 76

Saturation curve in gases of high atomic number at pressures up to 8 atm. I. Krypton and xenon. Boag JW, et al.
Med Phys 2(5):245–50, Sep–Oct 75

Possible dosimeter for ultraviolet radiation. Davis A, et al.
Nature 261(5556):169–70, 13 May 76

Criteria for safe working with iodine–125. Linsley GS.

Radiography 42(496):89–91, Apr 76
Estimation of fetal dose to patients undergoing diagnostic X-ray procedures. Jacobson A, et al. **Radiology** 120(3):683–5, Sep 76
Application of tissue–air ratios for patient dosage in diagnostic radiology. Schulz RJ, et al. **Radiology** 120(3):687–90, Sep 76
[Evaluation of physical radiation protection control: personal dosimetry methods] Wachsmann F. **Strahlenschutz Forsch Prax** 15:77–85, 1976 **(Ger)**
[Radiation exposure during examination with a therapy simulator. 2. Radiation load on the examiner during radiography (measurements on the Alderson–Man phantom)] Säbel M, et al. **Strahlentherapie** 150(3):321–35, Sep 75 (Eng. Abstr.) **(Ger)**
[Method of controlling the entry of radioactive aerosols into the organs of respiration] Andronov SA, et al. **Gig Sanit** (6):62–6, Jun 76 **(Rus)**
[Experience in the use of film dosimeters at experimental stations of a picture tube factory] Fedoriv IaN. **Gig Sanit** (8):91, Aug 75 **(Rus)**
[Experience in the organization of operative radiation–sanitary control with the use of K4 punch cards] Treiger SI, et al. **Gig Sanit** (8):90–1, Aug 75 **(Rus)**

STANDARDS

Monte Carlo calculation of the absolute maximum detection efficiency of a cylindrical gamma radiation detector. Green MV, et al. **Health Phys** 28(5):624–8, May 75
Precision of radiation monitoring measurements. Selvidge J. **Health Phys** 30(6):479–84, Jun 76

RADIATION, NON-IONIZING

Absorption characteristics of multilayered sphere models exposed to UHF/microwave radiation. Weil CM. **IEEE Trans Biomed Eng** 22(6):468–76, Nov 75

ADVERSE EFFECTS

Control of occupational exposure to non–ionizing radiation. pp. 379–87. Ely TS.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.
International cooperation of non–ionizing radiation protection. pp. 447–57. Suess MJ.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

RADIATION PROTECTION

Safe handling of tissue containing radioactive substances. Warren S. **Ann Clin Lab Sci** 6(3):207–8, May–Jun 76
Letter: Spoilt films in x-ray departments and radiation exposure to the public from medical radiology. Berry RJ, et al. **Br J Radiol** 49(581):475–6, May 76
Letter: When the fume-cupboards necessary in hospital radioisotope laboratories? Birks JL. **Br J Radiol** 49(582):568–9, Jun 76
A new design policy for protective barriers in departments of x-ray diagnosis. Gifford D. **Br J Radiol** 48(574):851–7, Oct 75
Letter: Containment of unsealed sources of radionuclides in hospitals. Hughes D. **Br J Radiol** 49(580):386, Apr 76
Letter: Which? on radiation. James WB, et al. **Br J Radiol** 49(579):296, Mar 76
Letter: Terminology in radiation protection. Owen GM. **Br J Radiol** 48(576):1039–40, Dec 75
Letter: Radioactive contamination hazard from patients. Reece BL, et al. **Br J Radiol** 49(584):736, Aug 76
Editorial: Radiation dangers and volunteers. **Br Med J** 1(6011):672, 20 Mar 76
Radiation hazards — a guide to good practice. **Cent Afr J Med** 22(1):15–7, Jan 76
A shielding maze at a neutron radiotherapy facility. Attix FH, et al. **Health Phys** 31(1):78–80, JUL 76
Radioprotection around plasma-focus machines. Bardina R, et al. **Health Phys** 28(5):612–5, May 75
A simple approach to calculating gamma ray SKYSHINE for reduced shielding applications. Borak TB. **Health Phys** 29(3):423–5, Sep 75
Letter: Federal Radiation Protection Agency. Bushong SC. **Health Phys** 29(2):354–5, Aug 75
Neutron shielding of cylotron targets. Butler HM, et al. **Health Phys** 31(1):62–6, JUL 76
Letter: Comment on attenuation of 14-MeV neutrons through concrete shields. Chilton AB. **Health Phys** 29(5):813–4, Nov 75
Additional fail-safe interlock recommended for Gammacell 220 irradiators. Christensen RC, et al. **Health Phys** 31(1):66–8, JUL 76
Prediction of increased gamma fields after application of a radon barrier on concrete surfaces. Culot MV, et al. **Health Phys** 30(6):471–8, Jun 76
Radiation leakage from electron microscopes. Devanney JA, et al. **Health Phys** 30(2):231–4, Feb 76
Radiation protection consideration in the cardiac catheterization laboratory. Dunlap JH. **Health Phys** 29(3):415–7, Sep 75
A survey of accelerator radiation safety systems. Gerusky TM, et al. **Health Phys** 30(3):306–8, Mar 76
Transmission of photons through common shielding media. Jones TD, et al. **Health Phys** 28(5):630–2, May 75
About the dependence of radiation quality factor on LET. Keyrim-Markus IB, et al. **Health Phys** 30(3):299–302, Mar 76
Pultonium—health implications for man. Confinement facilities for handling plutonium. Maraman WJ, et al. **Health Phys** 29(4):469–80, Oct 75
Activation of aluminum beam dumps by high-energy electrons at SLAG. Swanson WP. **Health Phys** 28(5):495–502, May 75
Implementing the requirement to reduce radiation exposure to 'as low as practicable' at the Lawrence Berkeley Laboratory. Thomas RH. **Health Phys** 30(3):271–9, Mar 76
Military role in safe use of microwaves. pp. 389–407. Odland LT.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (30 ref.)
International cooperation of non–ionizing radiation protection. pp. 447–57. Suess MJ.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.
Nuclear pharmacy health physics. pp. 39–44. Ice RD, et al.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.
Program of radiologic protection in Latin America. Aguilar IG. **J Am Med Wom Assoc** 31(6):238–42, Jun 76
Radiation control with proper exposure factors for instant x-ray. Block IH. **J Am Podiatry Assoc** 65(11):1094, Nov 75
Reducing radiation exposure to patient and operator. Hinds LM. **J Natl Med Assoc** 68(2):115–6, 152, Mar 76
Letter: Unshielded genitalia. Anstadt GW. **JAMA** 235(21):2285, 24 May 76
Letter: Radiation exposure. Rawitch MA. **JAMA** 235(9):909, 1 Mar 76
Lead shielding thickness for dose reduction of 7- to 28MeV electrons. Giarratano JC, et al. **Med Phys** 2(6):336–7, Nov–Dec 75
Risk from ionizing radiations in the transport of radioactive materials. Failla L. **Minerva Ecol Idroclimatol Fis Nucl** 15(4):144–51, Oct–Dec 75
Radiation dose to the eyes of the patient during neuroradiological investigations. Isherwood I, et al. **Neuroradiology** 10(3):137–41, 19 Dec 75
An approach to the surveying of radiation environments for radiation protection purposes. Harvey JR. **Phys Med Biol** 20(6):1003–14, Nov 75
Radioprotection of mice by phenylhydrazine-damaged erythrocytes. Smith LH, et al. **Radiat Res** 67(2):286–98, Aug 76
The selective protection of normal tissues by irradiation of tumor-bearing mice in hypoxic hypoxia. Yarmonenko SP, et al. **Radiat Res** 67(3):447–58, Sep 76
Experimental investigation of source–block distance to source–surface distance ratios for cuboid and beam–divergence–shaped shadow blocks for cobalt-60 teletherapy. Wrede DE, et al. **Radiol Clin (Basel)** 44(6):587–600, 1975
Developing quality assurance programs in radiation therapy for technologists. Boothe KA, et al. **Radiol Technol** 47(6):371–81, May–Jun 76
Rebuttal to TV show: 'coffee, tea or radiation'. Quinn JL. **Radiol Technol** 47(2):90–4, Sep–Oct 75
Proper shielding method for dynamic vertex cranial imaging. Deutchman AH, et al. **Radiology** 118(2):473–4, Feb 76
Advances in radiation hygiene. Klener V. **Rev Czech Med** 21(4):216–24, 1975
Radiation protection of the patient during radiotherapy. Novotny J, et al. **Strahlentherapie** 152(2):191–8, Aug 76
[Letter: The atom, man and our environment. Basis of nuclear radiation biology] Villaume C. **Ugeskr Laeger** 138(15):916, 5 Apr 76 **(Dan)**
[Belgian Society for Radiation Protection. 1971 Membership List] **J Belge Radiol** 55(2):227–32, Mar–Apr 72 **(Fre, Dut)**
[Uses of tritium. Its production and problems posed by its use in the laboratory] Constant R, et al. **J Belge Radiol** 58(2):157–65, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Basic standards of radioprotection and derived limits for tritium] Dousset M. **J Belge Radiol** 58(2):167–71, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Conference on problems posed by tritium organized by the Belgian Association for Radioprotection at Brussels, December 7, 1974] Hubert EH. **J Belge Radiol** 58(2):115–9, Mar–Apr 75 **(Fre)**
[Irradiation in radiodiagnosis: recent possibilities of decreasing the doses (author's transl)] Weill F, et al. **J Radiol Electrol Med Nucl** 57(4):347–50, Apr 76 (Eng. Abstr.) **(Fre)**
[Aspects of radiation protection and spatial quarantine in cosmic biology] Milcu SM, et al. **Sante Publique (Bucur)** 18(1):19–25, 1975 (Eng. Abstr.) **(Fre)**
[Radiation protection in the dental office] Perrelet L. **Schweiz Monatsschr Zahnheilkd** 85(9):934–7, Sep 75 **(Fre)**
[The relative lowering of rectum dose by the use of 137Cs portio plates with deformed isodose run (author's transl)] Grossmann H. **Radiobiol Radiother (Berl)** 15(2):291–3, 1974 (Eng. Abstr.) **(Ger)**
[Contribution to the problem of radiation risk in medical radiology (author's transl)] Herlbauer R. **Radiobiol Radiother (Berl)** 16(3):293–310, 1975 (Eng. Abstr.) **(Ger)**
[Principles of organization of radiation safety in the Soviet Union] Saičenko AI, et al. **Radiobiol Radiother (Berl)** 16(2):235–40, 1975 (Eng. Abstr.) **(Ger)**
[Problems of radioprotective design test for x-ray equipments and gamma irradiation units (author's transl)] Friemert R, et al. **Radiol Diagn (Berl)** 15(5):675–82, 1974 (Eng. Abstr.) **(Ger)**
[Problems of radiation protection in radiodiagnostical examinations (author's transl)] Moskalev JI. **Radiol Diagn (Berl)** 16(2):295–8, 1975 (Eng. Abstr.) **(Ger)**
[Results of the Report of the International Commision for Radiation Protection (ICRP), 1969–1973] Moskaljev JI. **Radiol Diagn (Berl)** 15(5):693–5, 1974 **(Ger)**
[Contribution to radioprotection problems for the operation of dental x-ray units (author's transl)] Voigt A. **Radiol Diagn (Berl)** 15(5):683–5, 1974 (Eng. Abstr.) **(Ger)**
[Radiation dose and necessary radiation protection for films with portable X-ray generators (author's transl)] Voigt A, et al. **Radiol Diagn (Berl)** 15(4):531–4, 1974 **(Ger)**
[Comparative measurements of the plane–dose–product, the surface dose and organ exposure in radiodiagnostic routine–examinations (author's transl)] Fiebach O, et al. **Roentgenblaetter** 28(12):609–12, Dec 75 (Eng. Abstr.) **(Ger)**
[Saving exposure in child–radiology with a new set for children (author's transl)] Schuster W, et al. **Roentgenblaetter** 28(10):471–6, Oct 75 (Eng. Abstr.) **(Ger)**
[Radiation protection of patients during x–ray diagnosis] Gerhardt P. **Roentgenpraxis** 28(2):37–47, Feb 75 **(Ger)**
[Radiation protection in medicine—introduction to the most important regulations] Jeiter W. **Roentgenpraxis** 28(3):61–72, Mar 75 **(Ger)**
[Radiation protection problems in connection with radioactive cadavers and carcasses] Henseler H. **Strahlenschutz Forsch Prax** 15:242–9, 1976 **(Ger)**
[Radiation protection problems in connection with radionuclide generators] Herzberg B, et al. **Strahlenschutz Forsch Prax** 15:222–32, 1976 **(Ger)**
[Protective measures against radiation exposure resulting from the emission of radioactive substances into the air] Kretschko J, et al. **Strahlenschutz Forsch Prax** 15:214–20, 1976 **(Ger)**
[Duties and responsibilities of the authorized physician] Möhrle G. **Strahlenschutz Forsch Prax** 15:11–5, 1976 **(Ger)**
[Radiation protection in working with unsealed radioactive materials] Oberhausen E. **Strahlenschutz Forsch Prax** 15:212–4, 1976 **(Ger)**
[Radiation protection in working with sealed radioactive materials] Pape U. **Strahlenschutz Forsch Prax** 15:171–7, 1976 **(Ger)**
[Radiation protection in the operation of telecurie equipment] Pohle G. **Strahlenschutz Forsch Prax** 15:162–70, 1976 **(Ger)**
[Education and professional qualifications] Raschke G. **Strahlenschutz Forsch Prax** 15:15–7, 1976 **(Ger)**
[Radiation protection and cardiac pacemakers with radionuclide batteries] Stieve FE. **Strahlenschutz Forsch Prax** 15:178–91, 1976 **(Ger)**
[The effect of radiation exposure on the health of the working woman] Correns HJ, et al. **Z Gesamte Hyg** 21(11):813–4, 1975 **(Ger)**
[Medical monitoring for radiation protection of subjects occupationally exposed to radiation in the German Democratic Republic] Schüttmann W, et al. **Z Gesamte Hyg** 21(4):289–95, Apr 75 (Eng. Abstr.) **(Ger)**
[Editorial: Medical supervision of radiation protection in conventional industry] Ghezzi I. **Med Lav** 66(3):161–5, May–Jun 75 **(Ita)**
[Dental radiology: on the advice of International Commission of Radiological Protection] Nakamura T. **J Jpn Stomatol Soc** 42(1):65–6, Mar 75 **(Jpn)**
[Radiation protection. (10). Patient protection in urogenital x-ray tests] Hiramatsu Y. **Jpn J Clin Radiol** 20(11):1045–8, Oct 75 **(Jpn)**
[X-ray protection lecture series (12)] Misono K. **Jpn J Clin Radiol** 20(13):1201–4, Dec 75 **(Jpn)**
[Protection of patients in the x-ray examination of the abdomen. 2. Use of abdominal radiography in various diseases] Nishioka K. **Jpn J Clin Radiol** 20(6):529–32, Jun 75 **(Jpn)**
[Protection of patients in the x-ray examination of the abdomen 1. The concept, apparatus, recording system and fluoroscopy] Nishioka K. **Jpn J Clin Radiol** 20(5):445–8, May 75 **(Jpn)**
[Patient protection in the radiographic examination of head, neck and cranial nerves] Suzuki S. **Jpn J Clin Radiol** 20(9):787–9, Sep 75 **(Jpn)**
[Exposure of personnel to ionizing radation during implantation of metallic radioactive gold (198Au) (author's transl)] Dworakowski M, et al. **Pol Przegl Radiol** 40(2):127–9, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[Occupational exposure to x–irradiation in Poland. Probability of exceeding the vital dosage] Jankowski J, et al. **Pol Przegl Radiol** 39(3):387–94, May–Jun 75 (Eng.

Abstr.) (Pol)
[Systematic mass radiophotography: economic unviability and eventual danger of radiation exposure] Gikovate F, et al. **Rev Saude Publica** 10(1):103–10, Mar 76 (Eng. Abstr.) (Por)
[Some organizational problems of radiation hygiene in sanitary-epidemiological stations] Zarubin GP, et al. **Gig Sanit** (9):70–2, Sep 75 (Rus)
[Problems of radiation safety in work with tritiated phosphors] Zhuravlev VF, et al. **Gig Sanit** (7):88–93, Jul 75 (Rus)
[Analysis of shielding thickness for radiation protection on prolonged space flights] Dudkin VE, et al. **Kosm Biol Aviakosm Med** 9(4):72–4, Jul–Aug 75 (Rus)
[Weakening of radioprotective effect of gas hypoxia during the growth of ascitic tumor] Altmagambetova BZ, et al. **Med Radiol (Mosk)** 21(1):71–2, Jan 76 (Rus)
[Hygienic evaluation of the radiation hazard and the effectiveness of protection during contact of Sr85 with excoriations and intact integument of man] Il'in LA, et al. **Med Radiol (Mosk)** 20(11):44–9, Nov 75 (Eng. Abstr.) (Rus)
[Radiation protection of medical personnel during clinical use of radioactive beads] Zol'nikova NI, et al. **Med Radiol (Mosk)** 20(4):45–9, Apr 75 (Eng. Abstr.) (Rus)
[Improvement of optic characteristics of the x-ray protective glass] Zakharenko IuS. **Med Tekh** (2):19–20, Mar–Apr 75 (Eng. Abstr.) (Rus)
[Protection and control of ionizing irradiation in the Yugoslav People's Army] Nikolić O, et al. **Zb Vojnomed Akad** :85–8, 1974 (Ser)

INSTRUMENTATION

A technique for using low melting point alloy for individual patient shielding in radiotherapy. Marshall TJ, et al. **Br J Radiol** 48(575):924–6, Nov 75
Simple design for a Styrofoam cutter. Sorensen A, et al. **Med Phys** 2(6):338–9, Nov–Dec 75
Radiation protective shield for use during arthrography. Johnson NE. **Radiol Technol** 48(1):35–8, JUL–AUG 76
Prevention of leakage of low-melting-point metals from styrofoam molds. Herman MW, et al. **Radiology** 117(1):223, Oct 75
Gonadal shield. Purdy JA, et al. **Radiology** 117(1):226, Oct 75
[Protection of gonads in radiography of the pelvis (author's transl)] Correll R, et al. **Roentgenblaetter** 29(3):137–42, Mar 76 (Eng. Abstr.) (Ger)
[The radiation protection shield—a useful radiation protective device for stomatological routine radiodiagnosis] Wiltschke F, et al. **Stomatol DDR** 25(10):701–6, Oct 75 (Eng. Abstr.) (Ger)
[Compensating filters for reduction of patient exposure in X-ray examination of the stomach] Hamasato K. **Jpn J Clin Radiol** 21(1):61–7, Jan 76 (Jpn)
[Irregular field shaping in radiation therapy-experience of the use of 'Sheller Shield'] Ishikawa D, et al. **Jpn J Clin Radiol** 20(13):1189–94, Dec 75 (Jpn)
[A new flexible water-equivalent material (author's transl)] Yonome I. **Nippon Acta Radiol** 36(2):143–7, 1976 (Eng. Abstr.) (Jpn)

METHODS

Proceedings: Methods of limiting irradiation in X-ray examination of the breast. Young GB. **Br J Radiol** 48(575):946, Nov 75
Gonadal shielding and collimation information for pelvic radiography in podiatric practice. Kalin AG. **J Am Podiatry Assoc** 66(1):1–14, Jan 76
Radiographic technic, safety, and interpretation in the newborn nursery. Holbert CL, et al. **J Pediatr** 87(6 Pt 1):968–72, Dec 75
Health care of people at work. Safety in the handling of radionuclides. Spoor N. **J Soc Occup Med** 26(2):43–9, Apr 76
Criteria for safe working with iodine-125. Linsley GS. **Radiography** 42(496):89–91, Apr 76
Reduction of skin dose in mantle fields by the use of a copper filter. McDougall RS, et al. **Radiography** 41(485):115–9, May 75
Shielding technique for small ports in the superficial and orthovoltage range. Root WJ, et al. **Radiology** 117(2):472, Nov 75
Protection of normal tissues during x-irradiation by temporary hypoxia. Penn TE, et al. **Surg Forum** 26:69–71, 1975
[The importance of afterloading technics for radiation protection] Henseler H. **Strahlentherapie** 150(3):243–50, Sep 75 (Eng. Abstr.) (Ger)
[Reduction of radiation exposure in the medical field and the use of high sensitivity films in dentistry] Okano T. **J Jpn Stomatol Soc** 42(4):490, Dec 75 (Jpn)
[Radiation protection in pediatric radiology] Kato S. **Jpn J Clin Radiol** 20(8):699–702, Aug 75 (Jpn)
[Protection of the patient in x-ray examination of the bone and soft tissue] Matsuyama S. **Jpn J Clin Radiol** 20(7):613–6, Jul 75 (Jpn)
[Patient protection in radiographic examination of the vascular system] Yoshida H, et al. **Jpn J Clin Radiol** 20(12):1129–31, Nov 75 (Jpn)
[A study on the hollow-out radiation technique applied to the protection of the spinal cord (author's transl)] Matsuda T. **Nippon Acta Radiol** 35(9):769–79, 25 Sep 75 (Eng. Abstr.) (Jpn)
[Provision for the radiation protection of medical personnel in a radiogynecologic department (according to the experience of the Research Institute of Oncology and Medical Radiology of the Ministry of Health of the Belorussian SSR)] Aleksandrov NN, et al. **Vopr Onkol** 21(7):101–6, 1975 (Eng. Abstr.) (Rus)

STANDARDS

Suggested reduction of permissible exposure to plutonium and other transuranium elements. Morgan KZ. **Am Ind Hyg Assoc J** 36(8):567–75, Aug 75
Editorial: Radiology now. Which? On radiation. Saxton HM. **Br J Radiol** 48(575):877, Nov 75
Plutonium—health implications for man. The use of animal data in derivation of standards. Brues AM. **Health Phys** 29(4):521–4, Oct 75
The implementation of a nationwide program on health and safety of medical x-rays. Cheng CH, et al. **Health Phys** 29(5):802–3, Nov 75
Lead equivalence of male gonad shields. Church WW, et al. **Health Phys** 30(2):229–31, Feb 76
Radiation protection concepts: proposal for a new criterion. Failla L. **Health Phys** 29(5):723–8, Nov 75
Plutonium—health implications for man. Other considerations in establishing standards. Gamertsfelder CC. **Health Phys** 29(4):563–8, Oct 75
Plutonium—health implications for man. The origin of current standards. Healy JW. **Health Phys** 29(4):489–94, Oct 75
Leakage radiation from a diagnostic tube housing when operated at less than the maximum rated kilovoltage. Kelley JP, et al. **Health Phys** 31(1):27–31, JUL 76
Plutonium—health implications for man. The importance of non-uniform dose-distribution in an organ. Richmond CR. **Health Phys** 29(4):525–37, Oct 75
Plutonium—health implications in man. The concepts of critical organ and radiation dose as applied to plutonium. Stannard JN. **Health Phys** 29(4):539–50, Oct 75
Genetic risks from medical radiation. Seelentag W. **WHO Chron** 29(4):117–22, Apr 75
[Decree for safeguard regulation for x-ray of March 1, 1973, and its application in dermatology] Drexler G, et al. **Hautarzt** 27(7):355–7, Jul 76 (Ger)
[Requirements for radiation protection in the use of stomatological radiodiagnostic installations] Taschner P, et al. **Stomatol DDR** 26(3):184–90, Mar 76 (Eng. Abstr.) (Ger)
[Evaluation of physical radiation protection control with reference to incorporation supervision] Erlenbach HR. **Strahlenschutz Forsch Prax** 15:85–94, 1976 (Ger)
[Trends in radiation protection standardization from medical viewpoints] Mehl J. **Strahlenschutz Forsch Prax** 15:4–10, 1976 (Ger)
[The authorized physician and radiation protection legislation: survey of valid legal regulations and standards] Pfaffelhuber JK. **Strahlenschutz Forsch Prax** 15:1–3, 1976 (Ger)
Legal foundations, regulations and standards—international recommendations] Stieve FE. **Strahlenschutz Forsch Prax** 15:18–27, 1976 (Ger)
[Evaluation of physical radiation protection control: personal dosimetry methods] Wachsmann F. **Strahlenschutz Forsch Prax** 15:77–85, 1976 (Ger)
[New standards of radiation protection for the use of electron accelerators. Comments on the suggested norms DIN 6847, part 1 and part 2] Berger H. **Strahlentherapie** 151(2):192–4, Feb 76 (Ger)
[Defects found by experts in the testing of dental radiological equipment] **Zahnaerztl Mitt** 65(17):806, 1 Sep 75 (Ger)

RADIATION-PROTECTIVE AGENTS

Protection of the skin of mice against irradiation with cyclotron-accelerated helium ions by 2-mercaptoethylamine. Baker DG, et al. **Acta Radiol [Ther] (Stockh)** 14(6):561–71, Dec 75
(+)-catechin effects on x-rays irradiated skin of rats. Cipriani C, et al. **Arch Dermatol Res** 253(3):311–8, 29 Oct 75
Radioprotection of bone marrow stem cells by superoxide dismutase. Petkau A, et al. **Biochem Biophys Res Commun** 67(3):1167–74, 1 Dec 75
Protective effect of superoxide dismustase on erythrocytes of x-irradiated mice. Petkau A, et al. **Biochem Biophys Res Commun** 70(2):452–8, 17 May 76
Radioprotective effect of superoxide dismutase on model phospholipid membranes. Petkau A, et al. **Biochim Biophys Acta** 433(3):445–56, 21 May 76
Proceedings: The radioprotective effect of alpha-mercaptopropionylglycine and its combinations on animals. Sántha A, et al. **Br J Cancer** 32(6):768, Dec 75
Correlation between electronic indices from molecular orbital calculations and antiradiation activity of thiazolidines. Tipnis HP, et al. **Experientia** suppl 23:171–5, 1976
Radioprotectors, radiosensitizers, and the shape of the mammalian cell survival curve. pp. 135–40. Chapman JD, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Effects of oxygen and TMPN on the initial part of the dose-effect curves of human cells in culture. pp. 150–7. Pettersen EO, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Radiation effects on rat testes : on the mechanism of radio-protection by dopamine and FSH. Gupta GS. **Indian J Biochem Biophys** 12(2):187–9, Jun 75
The repair, protection and sensitization of papain with respect to inactivation by H2O2 and OH: effects of dithiothreitol, penicillamine, cystine and penicillamine disulphide. Lal M, et al. **Int J Radiat Biol** 28(6):549–64, Dec 75
The radioprotective effect against gamma-irradiation of methylene blue in the rat with reference to serum enzymes and pancreatic protein fractions examined by isoelectric focusing. Chung SO, et al. **J Radiat Res (Tokyo)** 16(4):211–23, Dec 75
Change in radiosensitivity on the development of sea urchin eggs during the early cleavage stage. II. Protection against x-ray irradiation by cysteamine. Nakamura I. **J Radiat Res (Tokyo)** 16(4):203–10, Dec 75
Radiation protection of hyaluronic acid in the solid state. Armand G, et al. **Radiat Res** 64(3):573–80, Dec 75
Letter: The reactions of hydrogens atoms in aqueous solutions: effect of pH on reactions with cysteine and penicillamine. Wu JT, et al. **Radiat Res** 64(3):662–6, Dec 75
The radioprotective effects of vasopressin on the gastrointestinal tract of mice. Rappleye AT, et al. **Radiology** 117(1):199–203, Oct 75
Antihistamines block radiation-induced taste aversions. Levy CJ, et al. **Science** 186(4168):1044–6, 13 Dec 74
Endogenous biochemical factors affecting the efficiency of some radioprotective or radiosensitizing drugs: sulfhydryl groups and lipid peroxides. Păuşescu E, et al. **Strahlentherapie** 151(1):88–95, Jan 76
Protective effect of a mixture of radioprotector substances (mexamine and cystamine) on the haematopoietic stem cells of mice. Vacek A, et al. **Strahlentherapie** 150(3):336–43, Sep 75
[Influence of several nitrogen heterocycles on the survival of mice submitted to lethal doses of gamma rays] Mourret A, et al. **C R Acad Sci [D] (Paris)** 279(25):1963–6, 16 Dec 74 (Fre)
[Radioprotective action of N-acetyl p. aminophenol in the mouse] Allain P, et al. **C R Soc Biol (Paris)** 169(3):511–4, 1975 (Eng. Abstr.) (Fre)
[Disturbances in carbohydrate metabolism in radiation sickness and its repair under the effect of therapeutic preparation (author's transl)] Dokšina GA, et al. **Radiobiol Radiother (Berl)** 16(3):311–18, 1975 (Eng. Abstr.) (Ger)
[Inhibition of proteolytic ferments by taurin in radiation sickness (author's transl)] Dokšina GA, et al. **Radiobiol Radiother (Berl)** 16(3):339–45, 1975 (Eng. Abstr.) (Ger)
[Radiation-protective and radiation-sensitizing agents] Valcurone G, et al. **Boll Chim Farm** 114(5):251–8, May 75 (Ita)
[Protecting effect of glutathione on irradiated mice (author's transl)] Hattori Y. **Nippon Acta Radiol** 36(1):56–62, 1976 (Eng. Abstr.) (Jpn)
]Effect of kinetin on the formation of chromosome aberrations during irradiation of Crepis capillaris L. seeds and its radioprotective effect] Araratian LA, et al. **Genetika** 11(5):28–34, 1975 (Eng. Abstr.) (Rus)
]Effect of kinetin .on the formation of chromosome aberrations during irradiation of Crepis capillaris L. seeds and its radioprotective effect] Araratian LA, et al. **Genetika** 11(5):28–34, 1975 (Eng. Abstr.) (Rus)
[Pathogenetic basis of early therapy of experimental acute radiation sickness] Dzharak'ian TK. **Med Radiol (Mosk)** 20(12):52–7, Dec 75 (Eng. Abstr.) (Rus)
[Study of the mechanisms of radiation protection of DNA] Kondakova NV, et al. **Radiobiologiia** 15(4):506–11, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Serum globulins as an antiradiation preparation] Shal'nova GA, et al. **Radiobiologiia** 15(5):700–3, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Radioprotective effects of serotonin] Vodop'ianova LG, et al. **Radiobiologiia** 15(5):712–5, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Role of endogenous substances in the creation of a background of increased radioresistance. Report 7. Study of the influence of dopamine and histamine on lipid radiosensitizers] Zhamsaranova SD, et al. **Radiobiologiia** 15(5):647–50, Sep–Oct 75 (Eng. Abstr.) (Rus)
[The effect of splenin on the DNA-ase activity of the urine and several tissues of intact and irradiated animals] Shevchenko OV, et al. **Fiziol Zh** 20(6):759–62, Nov–Dec 74 (Eng. Abstr.) (Ukr)

ADMINISTRATION & DOSAGE

Preliminary investigation on the influence of radioprotectors on the enterocytes in irradiated rabbits. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):29–30, 1976
Radioprotection of the digestive tract by intravenous infusion of vasopressin. Juillard GJ, et al. **Gynecol Oncol** 3(3):233–43, Sep 75
Prediction of the effective radioprotective dose of WR-2721 in humans through an interspecies tissue distribution study. Washburn LC, et al. **Radiat Res** 66(1):100–5, Apr 76
Distribution and behaviour of isoselenium salts in organism. III. Radioprotective effect of selenium derivatives. Kozák I, et al. **Strahlentherapie** 150(5):539–45, Nov 75
[Increasing the tolerance of animals to cystamine by

combination with preparations from different pharmacotherapeutic groups] Krasil'nikov II. **Radiobiologiia** 16(1):150–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Hydroxy derivates of S-2-(3-aminopropylamino)ethyl dihydrogen phosphorothioate and related compounds as antiradiation agents. Piper JR, et al. **J Med Chem** 18(8):803–12, Aug 75

Organic disulfides and related substances. 38. Some disulfide and trisulfide sulfinate salts as antiradiation drugs. Srivastava PK, et al. **J Med Chem** 18(8):798–802, Aug 75

A search for radioprotective agents. Part XXXIX. Synthesis of some sulfenamides. Tulecki J, et al. **Pol J Pharmacol Pharm** 27(4):451–3, Jul–Aug 75

METABOLISM

Distribution and behaviour of isoselenouronium salts in the body. IV. 2-Aminoselenoazoline. Kozák I, et al. **Strahlentherapie** 150(6):590–6, Dec 75

Distribution and behavior of isoselenouronium salts in the body. V. Acute toxicity and metabolic fate of selenium derivatives. Kozák I, et al. **Strahlentherapie** 151(1):78–83, Jan 76

Distribution and behavior of isoselenouronium salts in the body. VI. Comparative study of distribution and radioprotectivity of selenium derivatives. Kozák I, et al. **Strahlentherapie** 151(1):84–7, Jan 76

[Distribution and elimination of aminoproplaminoethylthiophosphoric acid in dogs] Il'in LA, et al. **Med Radiol (Mosk)** 21(3):71–3, Mar 76 **(Rus)**

[Distribution and elimination of aminopropylaminoethylthiophosphoric acid in dogs] Il'in LA, et al. **Med Radiol (Mosk)** 21(3):71–3, Mar 76 **(Rus)**

[Differences in the accumulation of cystamine in bone marrow cells determined by the nature of the salt-forming anions] Krasil'nikov II, et al. **Radiobiologiia** 15(6):902–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Proceedings: Radioprotective effect of WR 2721 in combined injured mice (x-irradiation and skin lesion). Verspohl F, et al. **Br J Cancer** 32(6):754–5, Dec 75

Sparing effect of cyclophosphamide (NSC-26271) pretreatment on animals lethally treated with gamma-irradiation. Millar JL, et al. **Cancer Treat Rep** 60(4):409–14, Apr 76

Chemical modification of genetic damage from continuous irradiation in mice. Bajrakova AK, et al. **Experientia** 32(7):924–5, 1976

Experimental modification of photocarcinogenesis. I. Fluorescent whitening agents and short-wave UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):335–7, Jun 75

Experimental modification of photocarcinogenesis. II. Fluorescent whitening agents and simulated solar UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):339–42, Jun 75

Influence of rat blood on radiation protection of mammalian cells by cysteamine and cystamine in vitro. Grant GA, et al. **Int J Radiat Biol** 28(1):45–51, Jul 75

Effect of 60Co gamma-irradiation on the reaction of mixed disulphides of mercaptoethylguanidine with enzymes of rat-liver cytoplasm. Horváth M, et al. **Int J Radiat Biol** 29(2):137–44, Feb 76

Letter: Dependence of chemical radioprotection on the stability of radiation-induced oxygen-sensitive sites. Kesavan PC, et al. **Int J Radiat Biol** 28(5):495–9, Nov 75

Modification of the radiosensitivity of barley seed by post-treatment with caffeine. Kinetics of decay of caffeine-reactive oxygen-sensitive sites. Nadkarni S, et al. **Int J Radiat Biol** 27(6):569–76, Jun 75

Radioprotection of lipogenesis from glucose (U-14C) and activities of pyridine nucleotide dehydrogenases in liver of gamma-irradiated female rats by cystamine. Ramanathan R, et al. **Int J Radiat Biol** 28(1):35–43, Jul 75

Proceedings: Protective effect of Reducdyn against the chromosome damaging activity of 2,3,5-triethyleneimino-benzoquinone-1,4 on human lymphocytes in vitro. Stosiek M, et al. **Mutat Res** 29(2):284, Aug 75

Chemical protection against radiation-induced DNA single-strand breaks in cultured mammalian cells. Antoku S. **Radiat Res** 65(1):130–8, Jan 76

The inactivation of Chinese hamster cells by x rays: the effects of chemical modifiers on single- and double-events. Chapman JD, et al. **Radiat Res** 64(2):365–75, Nov 75

Letter: Effects of metal ions on the formation of radicals and chain breaks in ultraviolet-radiated polyadenylic acid and collagen. Freidberg F. **Radiat Res** 66(1):174–9, Apr 76

Radioprotective effectiveness and toxicity of ATP, AET and serotonin applied individually or simultaneously to mice. II. Dose depending protection by single agents. Benova D. **Strahlentherapie** 151(3):274–7, Mar 76

Further investigations on the radioprotective effectiveness of tianabol and other drugs in fractionatedly irradiated rats. Koćmierska-Grodzka D, et al. **Strahlentherapie** 150(1):91–6, Jul 75

Studies on the effect of Fenchlorphos on postirradiation changes of serum proteins and nucleic acids content in rat liver. Maćkowiak J, et al. **Strahlentherapie** 150(1):97–101, Jul 75

A radioprotective effect of calcium chloride in combination with cystamine, mexamine, and hypoxemic hypoxia in mice. Pospíšil M, et al. **Strahlentherapie** 151(5):463–9, May 76

Radioprotection of liver lipids of whole-body gamma-irradiated female rats by cystamine. Ramanathan R, et al. **Strahlentherapie** 151(1):69–77, Jan 76

[Physiological mechanisms of chemical radiation-protective agents] Gheorghe N, et al. **Physiologie** 13(1):67–72, Jan–Mar 76 **(Fre)**

[The action mechanism of heparin in the increase of radiation resistance of mice] Brückner V. **Strahlentherapie** 151(4):347–51, Apr 76 (Eng. Abstr.) **(Ger)**

[Effect of aminopropyl-aminoethylthiphosphate on radio-iron utilization following whole-body irradiation of mice in the sublethal dose range] Mönig H, et al. **Strahlentherapie** 150(1):44–50, Jul 75 (Eng. Abstr.) **(Ger)**

[Chromosome aberrations in the cells of monkeys that have undergone acute irradiation with the use of chemical protection] Kosichenko LP, et al. **Biull Eksp Biol Med** 80(8):109–12, Aug 75 (Eng. Abstr.) **(Rus)**

[Number of cells in the small intestinal mucosa of irradiated mice as an index of the degree of protection of this organ by radioprotectors] Brumberg IE, et al. **Dokl Akad Nauk SSSR** 228(3):729–32, 21 Jun 76 **(Rus)**

[Dual nature of the effect of propyl gallate during DNA irradiation] Odintsova SP, et al. **Dokl Akad Nauk SSSR** 226(2):456–9, 11 Jan 76 **(Rus)**

[Effect of radiation-protective preparations on the level of cyclic adenosine-3',5'-monophosphate (cycl AMP), adenylate cyclase and cycl AMP phosphodiesterase] Sobolev AS, et al. **Dokl Akad Nauk SSSR** 224(3):713–6, 21 Sep 75 **(Rus)**

[Pharmacological and radioprotective properties of some gamma-pyrone derivatives (flavanones and flavanols)] Il'iuchenok TIu, et al. **Farmakol Toksikol** 38(5):607–12, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of some phosphorus-containing derivatives of isothiuronium] Il'iuchenok TIu, et al. **Farmakol Toksikol** 39(2):191–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of cystamine on the performance of human operators] Vasin MV, et al. **Kosm Biol Aviakosm Med** 9(5):54–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of 5-methoxytryptamine, cystamine, and aminopropyl-aminoethylthiophosphate on the radiosensitivity of hematopoietic stem cells] Abdul' IuA, et al. **Radiobiologiia** 15(5):766–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Relation of chemical protection to the repair of radiation injury to chromosomes] Aptikaeva GF, et al. **Radiobiologiia** 16(1):35–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Use of monolayer cultures of guinea pig spleen for evaluating the radioprotective effect of mexamine on the survival of colony-forming cells] Baisogolov GD, et al. **Radiobiologiia** 16(1):117–20, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Protective action of cystaphos and its homologs in the radiation hydroxylation of tyrosine] Duzhenkova NA. **Radiobiologiia** 16(1):103–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Nature of the radioprotective effect] Graevskiĭ Ela, et al. **Radiobiologiia** 15(3):356–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Ability of biogenic monoamines to reduce radiation injury to Ehrlich ascites tumor cells in vitro] Gusareva EV, et al. **Radiobiologiia** 15(6):926–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of cysteine on single-stranded breaks induced by ionizing radiation and on their repair] Hernadi F, et al. **Radiobiologiia** 15(6):913–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of carbon chain length in the aliphatic series of diisothiuronium compounds on donor properties and radioprotective activity] Izmozherov NA, et al. **Radiobiologiia** 15(6):923–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effectiveness of a combination of mexamine and cystamine and their combined effect on respiratory exchange in mice] Kautská J, et al. **Radiobiologiia** 16(1):83–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of some chemical compounds on the radiation hemolysis of erythrocytes] Kolesnikov IuA, et al. **Radiobiologiia** 15(5):671–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Antiradiation properties of taurine compounds] Kolesnikov IuA, et al. **Radiobiologiia** 15(6):928–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Different protection of DNA against various types of damage] Kondakova NV, et al. **Radiobiologiia** 16(1):100–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Radioprotective activity and mechanism of action of biogenic monoamines on E. coli B] Konstantinova MM, et al. **Radiobiologiia** 15(6):856–60, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radical scavenging and the mechanism of action of chemical protectors in the body] Kravetskaia TP, et al. **Radiobiologiia** 15(3):336–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Radioprotective and radiosensitizing effectiveness of chemical compounds in vivo in aerobic and anaerobic conditions] Kuznetsov AV, et al. **Radiobiologiia** 16(1):44–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of mexamine on the functional state of the hypophyseal-adrenocortical system of rats in the presence of radiation] Lebedev VG, et al. **Radiobiologiia** 15(5):695–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Radioprotective activity of serotonin and its analogs in experiments on developing ova of the sea urchin Strongylocentrotus nudus] Parkhomenko IM, et al. **Radiobiologiia** 15(3):440–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of prior administration of cystamine on enzymes of carbohydrate metabolism in erythrocytes during radiation sickness] Serebrennikova IA, et al. **Radiobiologiia** 15(6):917–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Role of direct protection of cells of the hematopoietic system in the antiradiation effects of some biogenic amines on the animal organism] Smirnova IB, et al. **Radiobiologiia** 15(5):680–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of exogenous DNA on the postradiation survival of SOTs cell cultures] Tronov VA, et al. **Radiobiologiia** 15(6):816–20, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of irradiation and some sulfur containing compounds on 3',5'-cyclic AMP-phosphodiesterase activity of the tissue homogenates of experimental animals] Zhivotova NI, et al. **Radiobiologiia** 15(5):726–30, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Role of endogenous catecholamines in radioprotection of animals] Zolotareva NN. **Radiobiologiia** 15(3):444–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Study of the cytogenetic activity of radioprotective agents in a human lymphocye culture. III] Arutiunian RM, et al. **Tsitol Genet** 9(5):369–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the cytogenetic activity of radioprotectors in a human lymphocyte culture. II] Arutiunian RM, et al. **Tsitol Genet** 9(4):295–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of interferonogen on the nonspecific radioresistance to roentgen irradiation] Biniashevskiĭ EV, et al. **Vrach Delo** (7):138–41, Jul 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Proceedings: Effect of 60Co-gamma-irradiation on the mixed disulphides of radioprotector MEG in splitting with enzymes of rat liver cytoplasm. Horváth M, et al. **Br J Cancer** 32(6):755, Dec 75

THERAPEUTIC USE

Letter: Protection of post-irradiated mice by superoxide dismutase. Petkau A, et al. **Int J Radiat Biol** 29(3):297–9, Mar 76

Evaluation of radiochemical protectors using urinary deoxycytidine levels. Wrede DE, et al. **Int J Radiat Biol** 28(2):117–24, Aug 75

Letter: Modification of radiation lethality by previous treatment with butylated hydroxytoluene. Clapp NK, et al. **Radiat Res** 64(2):388–92, Nov 75

Chemoprotection against fractionated radiation exposures with WR-2721: skin injury. Echols FS, et al. **Radiat Res** 66(3):499–504, Jun 76

The effect of S-2-(3-aminopropylamino)ethylphosphorothioic acid (WR 2721) on intestinal crypt survival. II. Fission neutrons. Sigdestad CP, et al. **Radiat Res** 65(3):430–9, Mar 76

[Therapy of early symptoms of radiation sickness in dogs using Pyrimetin] Lehký F, et al. **Vet Med (Praha)** 20(12):715–21, Dec 75 (Eng. Abstr.) **(Cze)**

[Principal 17-ketosteroid fractions and the microscopic appearance of the adrenal glands, the pituitary, and the testicles in guinea pigs exposed to radiation and protected by neurotropic substances] Frenkel Z, et al. **Agressologie** 16(1):35–42, 1975 (Eng. Abstr.) **(Fre)**

[Action of fast neutrons and gamma rays on lipid metabolism and the radiation-protective effect of cysteine and CFP9] Gheorghe N, et al. **Rev Roum Morphol Physiol** 20(1):49–52, 1974 **(Fre)**

[Studies on chemical protectors against radiation. XIV. Radiation protective activities of sulfur containing compounds against x-irradiation (author's transl)] Shinoda M, et al. **J Pharm Soc Jpn** 94(11):1419–24, Nov 74 (Eng. Abstr.) **(Jpn)**

[Radioprotective effect of pyrazolone derivatives] Piskarev AV, et al. **Biull Eksp Biol Med** 80(7):58–60, Jul 75 (Eng. Abstr.) **(Rus)**

[Data on the radioprotective property of selenium] pp. 122–5. Abdullaev GB, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Radioprotective effect of mexamine and cystamine on animals during hypokinesia and ionizing radiation exposure] Kolemeeva LIa, et al. **Kosm Biol Aviakosm Med** 9(6):78–9, Nov–Dec 75 **(Rus)**

[Effect of apilite on the radiosensitivity of mice] Artemov NM, et al. **Radiobiologiia** 15(3):462–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Protein synthesis in cell nuclei of rat small intestinal mucosa during acute radiation sickness and administration of a radiation-protector] Blokhina VD, et al. **Radiobiologiia** 16(1):26–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of Sephadex on the state of the intestine of irradiated rats] Fedorovskiĭ LL. **Radiobiologiia** 15(5):786–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of Central Asian snake venoms] Khalikov SK, et al. **Radiobiologiia** 15(6):910–3, Nov–Dec

75 (Eng. Abstr.) **(Rus)**

[Use of radioactive iron for the evaluation of the effectiveness of radioprotectors. Influence of cystamine, AET, and meksamine on the erythropoiesis of mice irradiated with lethal doses of x-rays] Koval' IuF, et al. **Radiobiologiia** 15(4):633–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of sulfide-containing purine derivatives] Krutovskikh GN, et al. **Radiobiologiia** 15(4):543–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of ionol on the development of radiation injury to mouse intestine] Nesterenko VS, et al. **Radiobiologiia** 15(3):394–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effect of beta-mercaptopropylamine during prolonged irradiation] Tikhomirova MV, et al. **Radiobiologiia** 15(3):379–83, May–Jun 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Analyses of radioprotective action and cytotoxicity of various sulfhydryl compounds in cultured mouse L cells. Hikita M, et al. **J Radiat Res (Tokyo)** 16(3):162–72, Sep 75

[Toxicology of radioprotective agents] Shashkov VS, et al. **Farmakol Toksikol** 38(5):620–30, Sep–Oct 75 (100 ref.) **(Rus)**

RADIATION-SENSITIZING AGENTS

Metronidazole (Flagyl), a radiosensitiser of possible clinical use in cancer chemotherapy: some biochemical and pharmacological considerations. Eakins MN, et al. **Biochem Pharmacol** 25(10):1151–6, 15 May 76

Proceedings: Pyromellitic dianhydryde as radiosensitizer. Astudillo MD, et al. **Br J Cancer** 32(6):758, Dec 75

Proceedings: Interaction of tetracycline and lucanthone on radiation damage in mammalian embryos as dependent on LET (experiments with pions). Fritz-Niggli H, et al. **Br J Cancer** 32(6):765, Dec 75

Proceedings: Effect of lucanthone on the radiosensitivity of a mouse tumour. Rao KR, et al. **Br J Cancer** 32(6):757–8, Dec 75

Modest radiosensitization of solid tumours in C3H mice by the hypoxic cell radiosensitizer NDPP. Sheldon PW, et al. **Br J Cancer** 31(1):81–8, Jan 75

Proceedings: The role of short and long-lived radiolytic products in radiosensitization by iodinated aromatic compounds. Simone G, et al. **Br J Cancer** 32(6):761, Dec 75

Radiation sensitizers. **Cancer** 37(4 Suppl):2062–70, Apr 76 (37 ref.)

Quantification of combined radiation therapy and chemotherapy effects on critical normal tissues. Phillips TL, et al. **Cancer** 37(2 Suppl):1186–1200, Feb 76 (62 ref.)

Radioprotectors, radiosensitizers, and the shape of the mammalian cell survival curve. pp. 135–40. Chapman JD, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Effects of the radiosensitizer 'diamide' on parameters of the anoxic survival curve. pp. 126–34. Harris JW.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Effects of oxygen and TMPN on the initial part of the dose-effect curves of human cells in culture. pp. 150–7. Pettersen EO, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Kinetics of nitroxyl radical reactions. A pulse-radiolysis conductivity study. Asmus KD, et al. **Int J Radiat Biol** 29(3):211–9, Mar 76

Sensitization of thymine and uracil to ionizing radiation by p-nitroacetophenone. Varghese AJ. **Int J Radiat Biol** 28(5):477–84, Nov 75

Letter: Protonation of the radical-anions of nitro-imidazole radiosensitizers and the formation of radical-adducts. Wardman P. **Int J Radiat Biol** 28(6):585–8, Dec 75

Electron transfer oxidation of DNA radicals by paranitroacetophenone. Whillans DW, et al. **Int J Radiat Biol** 28(6):501–10, Dec 75

Repair in Schizosaccharomyces pombe as measured by recovery from caffeine enhancement of radiation-induced lethality. Gentner NE, et al. **Mol Gen Genet** 142(3):171–83, 30Dec 75

The effect of caffeine on survival of UV-irradiated diploid yeast strains of different sensitivities. Kiefer J. **Mutat Res** 30(3):317–26, Dec 75

Letter: Metronidazole as a radiosensitizer. **N Engl J Med** 295(16):901–2, 14 Oct 76

Synergistic effect of caffeine on the cytotoxicity of ultraviolet irradiation and of hydrocarbon epoxides in strains of Xeroderma pigmentosum. Maher VM, et al. **Nature** 258(5537):760–3, 25 Dec 75

Combined effects of x-ray and bleomycin in cancer cell survival. Matsuzawa T, et al. **Panminerva Med** 18(3–4):103–4, Mar–Apr 76

Rulse radiolysis and ESR studies of the electron-affinic properties of nitroheterocyclic radiosensitizers. Greenstock CL, et al. **Radiat Res** 66(3):472–84, Jun 76

Interaction of the radiosensitizer paranitroacetophenone with radiation-induced radicals on nucleic acid components. Michaels HB, et al. **Radiat Res** 65(2):250–67, Feb 76

Letter: The reactions of hydrogens atoms in aqueous solutions: effect of pH on reactions with cysteine and penicillamine. Wu JT, et al. **Radiat Res** 64(3):662–6, Dec 75

Adriamycin: a possible indirect radiosensitizer of hypoxic tumor cells. Durand RE. **Radiology** 119(1):217–22, Apr 76

Hypoxic sensitizers: radiobiological studies at the cellular level. Hall EJ, et al. **Radiology** 117(2):453–7, Nov 75

Endogenous biochemical factors affecting the efficiency of some radioprotective or radiosensitizing drugs: sulfhydryl groups and lipid peroxides. Păuşescu E, et al. **Strahlentherapie** 151(1):88–95, Jan 76

[Investigation on radiosensitizing and tumor inhibiting actions of the antioxidant MTDQ (6,6'-methylen-bis/2,2,4-trimethyl-1-1,2-dihydroquinolin) (author's transl)] Bär V, et al. **Arch Geschwulstforsch** 45(5):489–95, 1975 (Eng. Abstr.) **(Ger)**

[Radiation-protective and radiation-sensitizing agents] Valcurone G, et al. **Boll Chim Farm** 114(5):251–8, May 75 **(Ita)**

[Radiosensitizing effect of intralesional administrations of BUdR (author's transl)] Usui S, et al. **Nippon Acta Radiol** 35(7):580–2, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[Role of endogenous substances in the creation of a background of increased radioresistance. Report 7. Study of the influence of dopamine and histamine on lipid radiosensitizers] Zhamsaranova SD, et al. **Radiobiologiia** 15(5):647–50, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Combined radiosensitizer infusion and irradiation of osteogenic sarcomas. Goffinet DR, et al. **Radiology** 117(1):211–4, Oct 75

ADVERSE EFFECTS

Radiation-adriamycin interactions: preliminary clinical observations. Cassady JR, et al. **Cancer** 36(3):946–9, Sep 75

Clinical testing of the radiosensitiser Ro-07-0582. I. Dose tolerance, serum and tumour concentrations. Gray AJ, et al. **Clin Radiol** 27(2):151–7, Apr 76

Large-dose bleomycin therapy and pulmonary toxicity. A possible role of prior radiotherapy. Samuels ML, et al. **JAMA** 235(11):1117–20, 15 Mar 76

BLOOD

Human studies with 'high dose' metronidazole: a non-toxic radiosensitizer of hypoxic cells. Deutsch G, et al. **Br J Cancer** 31(1):75–80, Jan 75

Serum concentration measurements in man of the radiosensitizer Ro-07-0582: some preliminary results. Foster JL, et al. **Br J Cancer** 31(6):679–83, Jun 75

METABOLISM

Proceedings: Distribution and radiosensitization in vivo piromelitic acid. Sanchez FS, et al. **Br J Cancer** 32(6):766, Dec 75

Hypoxia-dependent reduction of 1-(2-nitro-1-imidazolyl)-3-methoxy-2-propanol by Chinese hamster ovary cells and KHT tumor cells in vitro and in vivo. Varghese AJ, et al. **Cancer Res** 36(10):3761–5, Oct 76

PHARMACODYNAMICS

Adriamycin and enhanced radiation reaction in normal esophagus and skin. Greco FA, et al. **Ann Intern Med** 85(3):294–8, Sep 76

The effect of an hypoxic cell sensitizer on tumour growth delay and cell survival. Implications for cell survival in situ and in vitro. McNally NJ. **Br J Cancer** 32(5):610–8, Nov 75

Proceedings: Radiation and drugs; various mechanisms of interactions. van Putten LM. **Br J Cancer** 32(6):754, Dec 75

Letter: Hypoxic radiosensitizers and cellular respiration. Duran RE, et al. **Br J Radiol** 49(582):567–8, Jun 76

Letter: An investigation of the pharmacological and radiosensitizing effects of the 2-nitroimidazole Ro-07-0582 in primates. Johnson R, et al. **Br J Radiol** 49(579):294–5, Mar 76

Modification of the radiocurability of a syngeneic murine squamous carcinoma by its site of growth, by electron-affinic drugs, and by ICRF 159. Peters LJ. **Br J Radiol** 49(584):708–15, Aug 76

Clinical testing of the radiosensitiser Ro-07-0582. II. Radiosensitisation of normal and hypoxic skin. Dische S, et al. **Clin Radiol** 27(2):159–66, Apr 76

Experimental modification of photocarcinogenesis. II. Fluorescent whitening agents and simulated solar UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):339–42, Jun 75

Experimental modification of photocarcinogenesis. III. Simulation of exposure to sunlight and fluorescent whitening agents. Forbies PD, et al. **Food Cosmet Toxicol** 13(3):343–5, Jun 75

Chemical radiosensitization studies with mammalian cells growing in vitro. pp. 752–60. Chapman JD, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (39 ref.)

Mammalian cell sensitization repair and the cell cycle. pp. 742–51. Sinclair WK.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Letter: Lack of radiosensitizing effect of extract from germinating barley seeds. Balachandran, et al. **Int J Radiat Biol** 27(6):607–10, Jun 75

Letter: Radiosensitization of T7 bacteriophage by 8-methoxypsoralen. Becker D, et al. **Int J Radiat Biol** 28(2):195–8, Aug 75

Letter: Post-irradiation degradation of DNA in electron and neutron-irradiated E. coli B/r; the effect of the radiation sensitizer metronidazole. Cramp WA, et al. **Int J Radiat Biol** 29(4):385–9, Apr 76

Two components in the radiation sensitization of bacterial spores by p-nitroacetophenone: the -OH component. Ewing D. **Int J Radiat Biol** 28(2):165–76, Aug 75

DIP and DIP+2 as glutathione oxidants and radiation sensitizers in cultured Chinese hamster cells. Harris JW, et al. **Int J Radiat Biol** 28(5):439–45, Nov 75

Letter: The effect of a change in radiation quality on the ability of electron affinic sensitizers to sensitize hypoxic cells. McNally NJ. **Int J Radiat Biol** 29(2):191–6, Feb 76

Production and rejoining of single-strand breaks in DNA of Escherichia coli cells after exposure to gamma-rays in the presence of iodoacetic acid under oxic and anoxic conditions. Nair CK, et al. **Int J Radiat Biol** 29(3):235–40, Mar 76

Modification of radiation effects in single-cell systems by membrane-binding agents. Shenoy MA, et al. **Int J Radiat Biol** 28(6):519–26, Dec 75

Electron-affinic sensitization. VII. A correlation between structures, one-electron reduction potentials, and efficiencies of nitroimidazoles as hypoxic cell radiosensitizers. Adams GE, et al. **Radiat Res** 67(1):9–20, Jul 76

Influence of agents that enhance lethal effects of radiation on the damage to bacterial membranes by x rays and ultraviolet light. Cancelliere G, et al. **Radiat Res** 64(3):593–601, Dec 75

The inactivation of Chinese hamster cells by x rays: the effects of chemical modifiers on single- and double-events. Chapman JD, et al. **Radiat Res** 64(2):365–75, Nov 75

Polyfunctional radiosensitizers. I. Effects of a nitroxyl biradical on the survival of mammalian cells in vitro. Cooke BC, et al. **Radiat Res** 65(1):152–62, Jan 76

Radiosensitization of hypoxic mammalian cells by diamide. I. Effects of experimental conditions on survival. Harris JW, et al. **Radiat Res** 64(2):270–80, Nov 75

The role of hydroxyl radicals in radiation-induced single-strand breaks of bacterial DNA sensitized by parachloromercuribenzoate. Ho SK, et al. **Radiat Res** 67(2):277–85, Aug 76

Radiosensitizing and toxic effects on the 2-nitroimidazole Ro-07-0582 in hypoxic mammation cells. Moore BA, et al. **Radiat Res** 67(3):459–73, Sep 76

Letter: Chemical radiosensitization and quality of cellular damage in bacteria exposed to gamma rays. Nair CK, et al. **Radiat Res** 67(2):382–5, Aug 76

The application of rapid lysis techniques in radiobiology. I. The effect of oxygen and radiosensitizers on DNA strand break production and repair in E. coli B/r. Sapora O, et al. **Radiat Res** 64(3):431–42, Dec 75

Radiosensitization of Serratia marcescens by cetylpyridinium chloride. Evidence for membrane-associated events. Redpath JL, et al. **Radiology** 118(3):725–6, Mar 76

[Mechanism of decreasing the radiosensitizing activity of N-ethylmaleimide by means of oxygen] Graevskii EIa, et al. **Radiobiologiia** 15(4):616–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Radioprotective and radiosensitizing effectiveness of chemical compounds in vivo in aerobic and anaerobic conditions] Kuznetsov AV, et al. **Radiobiologiia** 16(1):44–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Mechanism of the radiosensitizing action of methylhydrazine] Tu LS, et al. **Radiobiologiia** 15(5):754–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation chemical studies of the sensitizer Diamide. Whillans DW, et al. **Radiat Res** 64(3):416–30, Dec 75

THERAPEUTIC USE

Stathmokinetic failure to enhance radiation response in human tumours. Sealy R, et al. **Acta Radiol [Ther] (Stockh)** 14(4):376–84, Aug 75

Radiosensitization of C3H mouse mammary tumours using fractionated doses of x rays with the drug Ro-07-0582. Sheldon PW, et al. **Br J Radiol** 49(577):76–80, Jan 76

Proceedings: The response of tumours to x rays and RO-07-0582. Thomlinson RH, et al. **Br J Radiol** 49(582):559, Jun 76

Clinical testing of the radiosensitiser Ro-07-0582. III. Response of tumours. Thomlinson RH, et al. **Clin Radiol** 27(2):167–74, Apr 76

The impact of radiosensitizers of hypoxic cells. pp. 309–20. Fowler JF, et al.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975. (30 ref.)

Chairman's comments on the discussion of effects in vivo. pp. 773–7. Adams GE.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

In vivo testing of hypoxic cell radiosensitizers. pp. 761–72. Rauth AM, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Laboratory and clinical evaluation of the radiation-potentiating activity of ethyl-N-bis (2,2-dimethylethylamidinophosphoro) carbamate (AB-132). Regelson W, et al. **J Med** 6(2):121–35, 1975

Hypoxic cell sensitisers in radiotherapy. Adams GE, et al. **Lancet** 1(7952):186–8, 24 Jan 76

Letter: Metronidazole and iron in cancer therapy. Willson RL. **Lancet** 1(7954):304–5, 7 Feb 76

Letter: Radiosensitization of tumor cells. **N Engl J Med** 295(13):731, 23 Sep 76

Editorial: Hypoxic cell radiosensitizers. Belli JA, et al. **N Engl J Med** 294(25):1399–400, 17 Jun 76

Radiation and high-dose metronidazole in supratentorial glioblastomas. Urtasun R, et al. **N Engl J Med** 294(25):1364–7, 17 Jun 76

The effects of nitrobenzene derivatives on oxygen utilization and radiation response of an in vitro tumor model. Biaglow JE, et al. **Radiat Res** 65(3):529–39, Mar 76

Selective radiosensitization of the hypoxic cells of mouse tumors with the nitroimidazoles metronidazole and Ro 7-0582. Brown JM. **Radiat Res** 64(3):633–47, Dec 75

The response of a transplantable tumor to fractionated irradiation. 1. X rays and the hypoxic cell radiosensitizer Ro-07-0582. Denekamp J, et al. **Radiat Res** 66(1):66–75, Apr 76

Enhancement of radiation response of a murine mammary carcinoma by two nitrofuran derivatives. Stone HB, et al. **Radiat Res** 64(3):443–51, Dec 75

Phase 1 study of high-dose metronidazole: a specific in vivo and in vitro radiosensitizer of hypoxic cells. Urtasun RC, et al. **Radiology** 117(1):129–33, Oct 75

[The meladinine-blacklight treatment of psoriasis vulgaris] Rodermund OE, et al. **Strahlentherapie** 150(3):302–6, Sep 75 **(Ger)**

[New method of radiotherapy of lung neoplasms – radiotherapy with inhalation of 95% oxygen plus 5% carbon dioxide] Oshima S, et al.
Bull Chest Dis Res Inst Kyoto Univ 8(2):46–8, Mar 75 **(Jpn)**

[Radiotherapy combined with halogenated pyrimidines—fundamental and clinical studies (author's transl)] Takahashi M. **J Jpn Soc Cancer Ther** 10(3):278–94, 20 Sep 75 (Eng. Abstr.) **(Jpn)**

[Enhancing the biological effect of ionizing radiation. 9. Oxygenation of tumor and skin by inhalation of air and oxygen before and after radiation] Rampan IuI, et al.
Radiobiologiia 15(6):843–9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Universal approaches to the control of tissue radiosensitivity during radiation therapy of malignant tumors] Iarmonenko SP. **Vopr Onkol** 21(5):63–73, 1975 (Eng. Abstr.) **(Rus)**

RADIATION SICKNESS see **RADIATION INJURIES**

RADIATION SYNDROME see **RADIATION INJURIES**

RADICAL NECK DISSECTION

The problem of unilateral and bilateral neck dissection. Krajina Z, et al. **Acta Otolaryngol (Stockh)** 80(3–4):317–22, Sep-Oct 75

Rehabilitation of the shoulder after radical neck dissection. Saunders WH, et al. **Ann Otol Rhinol Laryngol** 84(6):812–6, Nov-Dec 75

The posterior triangle in radical neck surgery. Skolnik EM, et al. **Arch Otolaryngol** 102(1):1–4, Jan 76

Neck dissection in the treatment of head and neck cancer: results in 1162 cases. pp. 221–4. Manfredi D, et al.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.

Radical neck dissection. Conley J. **Laryngoscope** 85(8):1344–52, Aug 75

Transsternal radical neck dissection for control of stomal recurrences—end results. Sisson GA, et al.
Laryngoscope 85(9):1504–10, Sep 75

Avoiding complications in radical neck dissection. Yarington CT, et al. **Laryngoscope** 86(3):325–30, Mar 76

Block dissection of the neck for squamous cell carcinoma of the mouth and lips. Pointon RC, et al.
Proc R Soc Med 69(6):414–6, Jun 76

Management of metastases to the lymph glands of the neck. Stell PM, et al. **Proc R Soc Med** 69(6):411–13, Jun 76

Neck dissection in the treatment of carcinoma of the anterior two-thirds of the tongue. Mendelson BC, et al.
Surg Gynecol Obstet 143(1):75–80, Jul 76

[Cancer of the thyroid gland. Lymph node excision in the neck] Guerrier B. **J Fr Otorhinolaryngol** 23(9):795–7, Nov 74 **(Fre)**

[Functional neck dissection in the surgery of the laryngeal cancer (author's transl)] López Martínez R, et al.
Rev Esp Otoneurooftalmol Neurocir 33(194):175–8, Jul-Aug 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Sternoclavicular joint enlargement following block dissection. Lamb CE. **Br J Surg** 63(6):488–92, Jun 76

Postoperative chylous fistula prevention and management. Crumley RL, et al. **Laryngoscope** 86(6):804–13, Jun 76

Protection of the carotid artery in radical neck dissection. Reed GF, et al. **Laryngoscope** 85(8):1353–8, Aug 75

The delto-pectoral flap as an emergency procedure for cover of a secondarily exposed carotid arterial system. Dinner MI, et al. **S Afr J Surg** 14(1):23–6, Mar 76

Hearing impairment following radical neck dissection. Young IM, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 28(2):155–66, Fall 75

[Injuries to the cervical section of the thoracic duct] József B, et al. **Fogorv Sz** 69(5):135–7, May 76 **(Hun)**

[Electroencephalographic changes following radical neck dissection] Fryze C, et al. **Pol Tyg Lek** 31(15):613–5, 12 Apr 76 (Eng. Abstr.) **(Pol)**

METHODS

Use of the bipedicle flap in radical neck dissection for head and neck cancer. Woods JE. **Am J Surg** 131(5):641–2, May 76

Complications of dermal graft protection of carotid artery. Dedo DD, et al. **Arch Otolaryngol** 101(11):649–51, Nov 75

Radical neck dissection: Elective, therapeutic, and secondary. Lee JG, et al. **Arch Otolaryngol** 101(11):656–9, Nov 75

A neck incision. Bridger GP. **Aust NZ J Surg** 46(1):85–7, Feb 76

Conservative neck dissection. Bocca E. **Laryngoscope** 85(9):1511–5, Sep 75

Dissection of the posterior part of the neck. Wander JV, et al. **Surg Gynecol Obstet** 143(1):97–100, Jul 76

Letter: High ligation of the internal jugular vein in radical neck dissection. Chakravorty RC. **Surgery** 79(5):606, May 76

[Use of double transverse incision with radical block dissection of the neck] van Zyl JA, et al. **S Afr J Surg** 13(1):43–5, Mar 75 (Eng. Abstr.) **(Afr)**

NURSING

O.R.—R.R. and special care nurses. Chrzan DJ.
Hosp Top 53(4):48–51, Jul-Aug 75

RADICULAR CYST

DIAGNOSIS

[Cyst—yes or no?] Härtel J, et al. **Stomatol DDR** 25(7):491–3, Jul 75 **(Ger)**

ETIOLOGY

[Repercussions of inflammation on the walls of cysts] Bergoignan C, et al. **Rev Odontostomatol (Paris)** 5(1):43–6, Jan-Feb 76 **(Fre)**

METABOLISM

Fibrinolytic activity in cystic lesions of jaw bones. Sugimura M, et al. **Int J Oral Surg** 5(4):166–71, Aug 76

PATHOLOGY

[Cyst of the upper jaw] Alegria M, et al.
Rev Stomatol Chir Maxillofac 77(2):473–5, Mar 76 **(Fre)**

RADIOGRAPHY

Bilateral radicular cysts. Samanta A. **Oral Surg** 41(4):542–3, Apr 76

SURGERY

[Plombage with osseous homotransplants in some mandibular tumors] Popescu V, et al. **Rev Chir [Stomatol]** 22(3):209–29, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

THERAPY

[Efficacy of conservative therapy of radicular cysts of the jaw in various conditions of patient reactivity] Livshits IuN. **Stomatologiia (Mosk)** 54(3):20=2, May-Jun 75 (Eng. Abstr.) **(Rus)**

RADICULITIS

[Clinico-pathogenetic variants and treatment of diskogenic lumbosacral radiculitis] Akimov GA, et al.
Voen Med Zh (2):50–5, Feb 76 **(Rus)**

[Problems of prevention and work rehabilitation in lumbosacral radiculitis in agricultural workers] Mishchenko VI. **Vrach Delo** (2):150–2, Feb 74 **(Rus)**

[Study of duration of the disease in patients with lumbo-sacral radiculitis] Alamdarov IN, et al.
Zdravookhr Ross Fed (10):20–3, Oct 75 **(Rus)**

CEREBROSPINAL FLUID

Viral ascending radiculomyelitis with severe hypoglycorrachia. Kabins S, et al. **Arch Intern Med** 136(8):933–5, Aug 76

COMPLICATIONS

[Lumbosacral monoradicular syndromes with acquired pseudohypertrophy of a spinal root and ganglion] Valdisserri L, et al. **Chir Organi Mov** 62(5):569–76, 1975 (Eng. Abstr.) **(Ita)**

[Resuscitation in extensive polyradiculoneuritis with respiratory disorders] Sandu L, et al.
Rev Med Intern [Neurol Psihiatr] 19(5):417–20, Oct-Dec 74 **(Rum)**

DIAGNOSIS

Pseudo-radiculopathy in subacute trochanteric bursitis of the subgluteus maximus bursa. Swezey RL.
Arch Phys Med Rehabil 57(8):387–90, Aug 76

[Diagnosis and work expertise in occupational lumbosacral radiculitis in miners and colliers] Vel'skaia ML, et al.
Gig Tr Prof Zabol (3):18–21, Mar 76 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Treatment of lumbosacral radiculitis and brachial plexitis with balsam dressings] Glushkov ES. **Vrach Delo** (7):120–1, Jul 75 **(Rus)**

[Complex treatment of lumbosacral radiculitis in a rural locality] Mishchenko VI, et al. **Vrach Delo** (1):116–8, Jan 76 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Radicular symptoms in tuberculosis. A case report. Myllylä VV, et al. **Eur Neurol** 14(2):90–6, 1976

Radiculomyelitis complicating acute haemorrhagic conjunctivitis. A clinical study. Phuapradit P, et al.
J Neurol Sci 27(1):117–22, Jan 76

[Lumbar radicular syndromes in stenosis of the vertebral canal (Epstein's syndrome). Clinical, diagnostic and therapeutic aspects] San Martino A. **Chir Organi Mov** 62(3):273–88, 1975 (Eng. Abstr.) **(Ita)**

[Vertebrogenic lumbosacral radiculitis unrelated to disk herniation] Rutenburg MD. **Vopr Neirokhir** (3):45–9, May-Jun 75 **(Rus)**

PHYSIOPATHOLOGY

[The H-reflex of the soleus and quadriceps muscles in radicular sciatica and crural neuralgia] Nehlil J, et al.
Rev Electroencephalogr Neurophysiol Clin 4(4):607–8, Oct-Dec 74 **(Fre)**

[Effect of long flights on the course of chronic lumbosacral radiculitis in flight staff] Khromov VM, et al.
Voen Med Zh (11):71–2, Nov 75 **(Rus)**

[Objectivization of pain syndrome in lumbosacral radiculitis] Bobin VA. **Vrach Delo** (10):113–4, Oct 75 **(Rus)**

PREVENTION & CONTROL

[Prophylactic measures on reducing radiculitis incidence at the Rozdol chemical mining plant] Bykovets NV.
Vrach Delo (5):140–1, May 75 **(Rus)**

RADIOGRAPHY

Radiculitis distress as a mimic of renal pain. Smith DR, et al. **J Urol** 116(3):269–76, Sep 76

SURGERY

[Treatment of radiculo-spinal complications of cervic arthrosis with Cloward's method. Results concerning 370 patients] Jomin J, et al. **Neurochirurgie** 21(1):21–8, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Therapeutic-restorative measures in diskogenic lumbo-sacral radiculitis] Bobrik VA. **Vrach Delo** (9):111–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Treatment of secondary radicular syndrome by the traction method] Bogoutdinov AZ. **Vrach Delo** (2):114–5, Feb 74 **(Rus)**

THERAPY

Cervical radiculitis: treatment and results in 82 patients. Honet JC, et al. **Arch Phys Med Rehabil** 57(1):12–6, Jan 76

[Use of mud applications in the complex treatment of lumbosacral radiculitis] Okhrimenko NN, et al.
Voen Med Zh (2):87–8, Feb 76 **(Rus)**

[Modern methods of physiotherapy of lumbosacral radiculitis] Shaposhnikov PK. **Voen Med Zh** (2):56–8, Feb 76 **(Rus)**

[Experience in treating lumbosacral radiculitis with sinusoidal modulated currents in a complex with natural factors at Slavyansk Health Resort] Goncharuk IN, et al.
Vopr Kurortol Fizioter Lech Fiz Kult (3):271–2, May-Jun 75 **(Rus)**

[Changes in the functional state of the adrenal cortex in patients with lumbo-sacral radiculitis under the influence of complex treatment including diadynamic currents and novocaine electrophoresis] Makogonchuk NG.
Vopr Kurortol Fizioter Lech Fiz Kult (6):526–30, Nov–Dec 75 **(Rus)**

[Mechanism of the therapeutic action of radon baths of different concentrations in patients with lumbosacral radiculitis] Olefirenko VT, et al.
Vopr Kurortol Fizioter Lech Fiz Kult (3):209–14, May–Jun 75 **(Rus)**

[Therapeutic gymnastics in diseases of the spinal cord and its nerve roots with the use of a gymnastic trainer for the foot] Pustovoitenko VT.
Vopr Kurortol Fizioter Lech Fiz Kult (4):370–2, Jul–Aug 75 **(Rus)**

[Differential approach to the treatment of patients with secondary lumbosacral radiculitis] Kulakov AV.
Vrach Delo (2):111–4, Feb 74 **(Rus)**

[Use of acupuncture in lumbosacral radiculitis] Kitsenko VP.

Zh Nevropatol Psikhiatr 76(6):872–4, 1976 (Eng. Abstr.) (Rus)

RADIESTHESIA

ADVERSE EFFECTS

[Nerve-root damage from local injections (author's transl)] Stöhr M, et al. Dtsch Med Wochenschr 101(33):1218–20, 13 Aug 76 (Eng. Abstr.) (Ger)

RADIO

see related
RADIO WAVES

Radio-recoverable tranquilizing' dart. Weeks RW, et al. Biomed Sci Instrum 12:33–6, 3–5 May 76
Radio-medical consultations in the years 1970–1972. Krynicki A, et al. Bull Inst Marit Trop Med Gdynia 26(3–4):249–60, 1975
The role of radio and TV spot announcements in public health education. Epstein JB, et al. Can J Public Health 66(5):396–8, Sep–Oct 75
Letter: Infection hazard of radio in the OR. Eibel P. Can Med Assoc J 114(8):672, 17 Apr 76
MERCI: the Illinois emergency radio communications system. Vonberg D, et al. Hosp Prog 56(9):52–6, Sep 75
Radio-paging services. Silverston NA. J R Coll Gen Pract 25(152):225–9, Mar 75
[Letter: Equipment in readiness] Landsberg PG. S Afr Med J 50(16):610, 10 Apr 75 (Afr)
[Influence of radio and television sets on implanted cardiac pacemakers (author's transl)] Bisping HJ, et al. Dtsch Med Wochenschr 101(17):668–72, 23 Apr 76 (Eng. Abstr.) (Ger)
[Letter: The importance of the press, radio and television in the advancement of health culture] Konkoly Thege A. Orv Hetil 117(14):871–2, 4 Apr 76 (Hun)
[Reform of the Italian radio and TV and the active presence of TV watchers. Psychological aspects] Barbagallo A. Minerva Med 66(59):3012–7, 12 Sep 75 (Eng. Abstr.) (Ita)
[Peculiarities of the microclimate and air exchange in the assembly of radio receivers] Oshchepkov VI, et al. Gig Tr Prof Zabol (11):49–50, Nov 75 (Rus)
[Radiotelemetric methods of study] Lizogub IuP. Veterinariia (9):99–100, Sep 75 (Rus)
[Radioelectrocardiography in obtaining bull sperm] Preobrazhenskii ON, et al. Veterinariia (10):79–82, Oct 75 (Rus)
[Functional state of the visual analyzer in radiotelegraph operators] Kolbanov VV, et al. Voen Med Zh (11):53–5, Nov 75 (Rus)
[Method for the automatic registration of the heart rhythm by using production line radioelectronic apparatus] Vernigor AA, et al. Fiziol Zh 22(3):420–1, MAR–APR 76 (Ukr)

RADIO-HIPPURAN see under IODOHIPPURIC ACID

RADIO WAVES

see related
RADIO

New hope for patients with trigeminal neuralgia. Ostrow LS. Am J Nurs 76(8):1301–3, Aug 76
The use of V.H.F. radiowaves in cancer therapy. Holt JA. Australas Radiol 19(3):223–41, Sep 75
Failure of 2- and 10-meter radio waves to induce genetic damage in Drosophila melanogaster. Mittler S. Environ Res 11(3):326–30, Jun 76
A comparison of electrically short bare and insulated probes for measuring the local radio frequency electric field in biological systems. Smith GS. IEEE Trans Biomed Eng 22(6):477–83, Nov 75
Sciatica viewed as a referred pain syndrome. King JS, et al. Surg Neurol 5(1):46–50, Jan 76
Percutaneous cervical radiofrequency cordotomy for intractable pain. Kim SH, et al. Yonsei Med J 16(2):72–82, 1975
[Effect of low intensity millimeter irradiation on the gamma-resonance spectra of hemoglobin] Deviatkov ND, et al. Dokl Akad Nauk SSSR 225(4):962–5, 1 Dec 75 (Rus)
[Predicting the intensity of superhigh-frequency radiation] Sorochkin AI. Voen Med Zh (7):49–52, Jul 75 (Rus)

ADVERSE EFFECTS

EMC design effectiveness in electronic medical prosthetic devices. pp. 351–63. Mitchell JC, et al.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

RADIOACTIVE FALLOUT

Simulated near-in fallout in goats and its effects. Jones BV. Acta Vet Scand [Suppl] (58):1–106, 1975
Radiation therapy among A-bomb survivors. Russell WJ, et al. Am J Public Health 66(8):773–7, Aug 76
Lung cancer at autopsy in A-bomd survivors and controls, Hiroshima and Nagasaki, 1961–1970. II. Smoking, occupation, and A-bomb exposure. Ishimaru T, et al. Cancer 36(5):1723–8, Nov 75
Radiocesium in native residents of Anaktuvuk Pass, Alaska, 1970–1974. Hedlund JD. Health Phys 30(2):245–7, Feb 76
Radioiodine(131I) in animal thyroids during nuclear tests in both hemispheres. Middlesworth LV. Health Phys 29(6):861–3, Dec 75
Thyroid nodularity in children. Rallison ML, et al. JAMA 233(10):1069–72, 8 Sep 75
Liver function in survivors of the atomic bomb. Gregory PB, et al. Radiat Res 63(3):578–83, Sep 75
[Clinical, especially hematological observations over the 20-year period on the Japanese fisherman exposed to fallout in 1954 (author's transl)] Kumatori T. Acta Haematol Jpn 38(6):635–45, Dec 75 (Eng. Abstr.) (Jpn)

ANALYSIS

Iodine-129 in thyroids of grazing animals. Ballard RV, et al. Health Phys 30(4):345–50, Apr 76
'Fallout tritium' distribution in the environment. Bogen DC, et al. Health Phys 30(2):203–8, Feb 76
137Cesium cycling in a Utah dairy farm. Eberhardt LL, et al. Health Phys 30(6):447–64, Jun 76
The measurement of 131I concentrations in air and milk following the 1974 Chinese nuclear test. Goldstein NP, et al. Health Phys 30(4):356–9, Apr 76
Strontium-90 in a tropical rain forest: 12th-yr validation of a 32-yr prediction. Jordan CF, et al. Health Phys 30(2):199–201, Feb 76
Fallout from the 15th chinese nuclear test. Nalahara H, et al. Health Phys 29(2):291–300, Aug 75
Plutonium—health implications for man. Evaluation of plutonium at Enewetak Atoll. Wilson DW, et al. Health Phys 29(4):599–611, Oct 75
A physical dose estimates for A-bomb survivors. Studies at Oak Ridge, U.S.A. Auxier JA. J Radiat Res (Tokyo) 16 Suppl:1–11, Sep 75
Dose estimation from residual and fallout radioactivity. 2. A simulated neutron activation experiment. Hashizume T, et al. J Radiat Res (Tokyo) 16 Suppl:32–4, Sep 75
Dose estimation from residual and fallout radioactivity. 3. Fallout in the Nagasaki—Nishiyama district. Okajima S. J Radiat Res (Tokyo) 16 Suppl:35–41, Sep 75
Dose estimation from residual and fallout radioactivity. 1. Areal surveys. Takeshita K. J Radiat Res (Tokyo) 16 Suppl:24–31, Sep 75
Environmental radioactivity in Denmark in 1973. Aarkrog A, et al. Riso Rep (305):1–96, Jun 74
Environmental radioactivity in Greenland in 1973. Aarkrog A, et al. Riso Rep (307):1–20, Jul 74
Environmental radioactivity in the Faroes in 1973. Aarkrog A, et al. Riso Rep (306):1–21, Jul 74
Environmental radioactivity in Greenland in 1974. Aarkrog A, et al. Riso Rep (325):1–20, Jul 75
Environmental Radioactivity in Denmark in 1974. Aarkrog A, et al. Riso Rep (323):1–113, Jun 75
Environmental Radioactivity in the Faroes in 1974. Aarkrog A, et al. Riso Rep (324):1–25, Jul 75
[Correlation between the intensity of tropospheric fall-out and the introduction of radionuclides into the human body with bread products and milk] Prokof'ev ON. Gig Sanit (5):60–4, May 76 (Eng. Abstr.) (Rus)

RADIOACTIVE POLLUTANTS

A possible mechanism in bronchopulmonary lavage. Morken DA. Health Phys 29(5):790–1, Nov 75
Radiation doses from iodine-129 in the environment. Soldat JK. Health Phys 30(1):61–70, Jan 76
[Tritium in the biosphere and its transfer into the food chain] Kirchmann R, et al. J Belge Radiol 55(2):233–42, Mar–Apr 72 (Eng. Abstr.) (Fre)
[Transfer in the biological cycle of tritium wastes] Kirchmann R. J Belge Radiol 58(2):135–45, Mar–Apr 75 (Eng. Abstr.) (Fre)
[Experimental study on tritium incorporation in the tissues and DNA of mammals] Lejeune P, et al. J Belge Radiol 58(2):173–83, Mar–Apr 75 (Fre)

ADVERSE EFFECTS

[Radioactive pollutants and senile cataracts] Kleefeld G. Bull Soc Belge Ophtalmol 170:599–603, 1975 (Fre)
[Retention in the lungs of aerosol particles of naturally radioactive substances] Kapitanov IuT, et al. Gig Sanit (2):46–50, Feb 75 (Eng. Abstr.) (Rus)

ANALYSIS

A commercially available Compton suppression, NaI-Ge (Li) unit for low-level gamma analysis of environmental samples. Caruthers LT, et al. Health Phys 29(6):872–4, Dec 75
The determination of 125I and 129I using an intrinsic-germanium detector for x-ray spectroscopy. Daly JC, et al. Health Phys 29(5):753–60, Nov 75
Plutonium—health implications for man. Environmental pathways of pultonium into terrestrial plants and animals. Hakonson TE. Health Phys 29(4):583–8, Oct 75
Fresh fission products in the West Malaysian Environment. Lowe BG. Health Phys 30(3):302–3, Mar 76
Efficiency of wipe samples in the determination of carbon-14 and tritium contamination. Muse LA, et al. Health Phys 30(4):355–6, Apr 76
An approach to investigations of the behaviour of iodine-129 in the atmosphere-soil-plant system. Saas A, et al. Health Phys 31(1):21–6, JUL 76
Plutonium—health implications for man. Some problems in measuring plutonium in the environment. Sill CW. Health Phys 29(4):619–26, Oct 75
Oxygen bomb combustion of environmental and biological samples for tritium analysis. Moghissi AA, et al. Int J Appl Radiat Isot 26(6–7):339–42, Jun–Jul 75

RADIOACTIVE TRACERS see under RADIOISOTOPES

RADIOACTIVE WASTE

Fixation and remobilization of trace contaminants in simulated subsurface aquifers. Champlin JB, et al. Health Phys 30(2):215–9, Feb 76
Plutonium—health implications for man. Other considerations in establishing standards. Gamertsfelder CC. Health Phys 29(4):563–8, Oct 75
Radioactive waste inventory at the Maxey Flats nuclear waste burial site. Gat U, et al. Health Phys 30(3):281–9, Mar 76
Incineration of animal radioactive waste: a comparative cost analysis. Gregory WD, et al. Health Phys 29(3):389–92, Sep 75
Pultonium—health implications for man. Confinement facilities for handling plutonium. Maraman WJ, et al. Health Phys 29(4):469–80, Oct 75
Inexpensive, convenient xenon disposal. Murphy PH, et al. Health Phys 29(5):779–80, Nov 75
Plutonium—health implications for man. The plutonium fuel cycles. Pigford TH, et al. Health Phys 29(4):451–68, Oct 75
An improved receptacle for radioactive waste. Port EA. Health Phys 29(5):801–2, Nov 75
Plutonium—health implications for man. Waste management. Soule HF. Health Phys 29(4):481–8, Oct 75
A method for the disposal of liquid scintillation vials. Twite GM. Health Phys 30(6):499, Jun 76
A new relative hazard index. pp. 325–33. Smith CF, et al.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.
Isotopic composition and radiological properties of uranium in selected fuel cycles. pp. 36–64. Fleischman RM, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.
Radioecological studies applied to electro-nuclear siting. pp. 1186–91. Grauby A.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Letter: The disposal of radioactive solvent waste. Dean B, et al. Int J Appl Radiat Isot 27(3):185–6, Mar 76
Model for the accumulation of radionuclides in oysters and sediments. Hess CE, et al. Nature 258(5532):225–6, 20 Nov 75
[Management of tritium produced by energy centers] Selleslagh E. J Belge Radiol 58(2):129–34, Mar–Apr 75 (Eng. Abstr.) (Dut)
[Transfer in the biological cycle of tritium wastes] Kirchmann R. J Belge Radiol 58(2):135–45, Mar–Apr 75 (Eng. Abstr.) (Fre)
[Manual of safety methods for the storage, transport and destruction/recuperation of organomercurial products and mercury contaminated waste. World Health Organization] Rev Sanid Hig Publica (Madr) 48(11):1067–73, Nov 74 (Spa)

ANALYSIS

[Determination of actinon in the air in the presence of other emanations] Andreeva OS. Gig Sanit (3):71–4, Mar 76 (Rus)

PREVENTION & CONTROL

[The elimination of liquid radioactive waste: emission of radioactive waste water from hospitals] Ludwieg F. Strahlenschutz Forsch Prax 15:232–41, 1976 (Ger)

RADIOACTIVITY

Becquerel and the discovery of radioactivity. Knutsson F. Acta Radiol [Diagn] (Stockh) 16(2):113–6, Mar 75
A simplified expression for the contributions of radioactive daughters to the effective decay energies of chains. Shepherd JG. Health Phys 29(5):805–8, Nov 75
Activation of aluminum beam dumps by high-energy electrons at SLAG. Swanson WP. Health Phys 28(5):495–502, May 75
Letter: Small quantities. Tulley TJ. Health Phys 28(5):634, May 75
Becquerel's discovery of radioactivity in 1896. Myers WG. J Nucl Med 17(7):579–82, Jul 76
Health and radioactive pollution. Baxter JP. Med J Aust 2(7):267–74, 16 Aug 75
In vivo quantitation of lesion radioactivity using external counting methods. Thomas SR, et al. Med Phys 03(04):253–5, Jul–Aug 76
[Probable participation of certain elements of the natural radioactive background in the etiopathogenesis of climacteric hemorrhagic metropathy] Bakurdzhiev D, et

al. **Akush Ginekol (Sofiia)** 15(1):52–6, 1976 (Eng. Abstr.) **(Bul)**

[The new Gray and Becqerel radiologic measuring units] Harder D. **Med Welt** 26(44):1993–5, 31 Oct 75 **(Ger)**

RADIOAUTOGRAPHY see **AUTORADIOGRAPHY**

RADIOBIOLOGY

see related
NUCLEAR MEDICINE

Cellular survival and isoeffect formulae: a study in applied radiobiology. Wideröe R.
Fortschr Geb Roentgenstr Nuklearmed 123(5):475–81, Nov 75

Twelfth Failla Memorial Lecture. The time scale in radiobiology. pp. 9–29. Boag JW.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Dosimetric parameters and terminology relevant to radiobiology. pp. 547–56. Oliver R.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

[Physical criteria for choice of suitable radiation quality and radiation technics] pp. 232–51. Hegewald H.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Microhomogenizer for radioactive, biological material] Frölich WH, et al. **Med Lab (Stuttg)** 29(4):79–85, Apr 76 **(Ger)**

[Tumor inactivation and radiobiology] Wideröe R.
Strahlentherapie 151(4):293–301, Apr 76 (Eng. Abstr.) **(Ger)**

EDUCATION

Radiobiology and the role of the radiobiologist in the context of a teaching-oriented radiation oncology department. Baker DG. **Radiol Clin (Basel)** 44(6):579–86, 1975

RSNA syllabus for radiation biology in diagnostic radiology residency training. Howland WJ, et al. **Radiology** 120(1):233–6, Jul 76

HISTORY

An historical survey of radiobiology and radiotherapy with fast neutrons. Field SB. **Curr Top Radiat Res** 11(1):1–86, Jan 76 (222 ref.)

The fourteenth Douglas Lea Memorial Lecture. Radiation and the single cell: the physicist's contribution to radiobiology. Hall EJ. **Phys Med Biol** 21(3):347–59, May 76

In memoriam: Titus Carr Evans, Ph.D. 1907–1975. Osborne JW. **Radiology** 119(1):237, Apr 76

INSTRUMENTATION

Fast-neutron radiobiology and radiotherapy. Barendsen GW, et al. **Experientia** Suppl 24:427–30, 1975

Surgery of the 'pretherapeutic' experiments with fast neutrons produced with the 50 mev deuteron beam of cyclone. Meulders JP, et al. **Experientia** Suppl 24:431–5, 1975

Sr90 beta irradiator] Agelao G, et al.
Minerva Ecol Idroclimatol Fis Nucl 15(2).68–74, Apr–Jun 75 (Eng. Abstr.) **(Ita)**

RADIOCHEMISTRY

Reactions of hydroxyl radicals with nucleic acid bases and the related compounds in gamma-irradiated aqueous solution. Masuda T, et al. **J Radiat Res (Tokyo)** 16(3):153–61, Sep 75

RADIOCINEMATOGRAPHY see **CINERADIOGRAPHY**

RADIODERMATITIS

ETIOLOGY

Radiation exposure in the laboratory. Weeks JL.
J Soc Occup Med 26(1):9–12, Jan 76

[Radiodermitis and malignant transformation secondary to the use of radioactive products in watch-making (author's transl)] Poulenas I, et al. **Ann Chir** 29(5):509–12, May 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHIC IMAGE ENHANCEMENT

Influence of secondary radiation on image quality. Selin K, et al. **Acta Radiol [Diagn] (Stockh)** 16(5):520–8, Sep 75

Spectral variation of the conversion factor of an image intensifier. Lantz B, et al.
Acta Radiol ®Diagn/bd/(Stockh) 16(3):273–8, May 75

Contrast medium enhancement with time in computer tomography. Differential diagnosis of intracranial lesions. Hatam A, et al. **Acta Radiol [Suppl] (Stockh)** (346):63–81, 1975

Radiation quality and image intensifier conversion factor. Ardran GM, et al. **Br J Radiol** 48(572):678–80, Aug 75

Renal biopsy in children using local anaesthesia and image intensification. Gill DG. **Ir Med J** 68(17):402–4, 13 Sep 75

131I-19-iodocholesterol scanning of the adrenal: A new tool for the clinician. Skaggs RA, et al. **J Ky Med Assoc** 74(6):290–1, Jun 76

Characterization of aberrations in image-intensified fluoroscopy. Casperson LW, et al. **Med Phys** 3(2):103–6, Mar–Apr 76

Contrast enhancement by arterial perfusion during computerized tomography. Coin CG, et al.
Neuroradiology 11(3):119–21, 16 Jul 76

A quantitative comparison of paralleling long-cone and bisection-of-angle periapical radiography. Biggerstaff RH, et al. **Oral Surg** 62(5):673–7, May 76

Television radiographic evaluation of periapical osseous radiolucencies. Kasle MJ, et al. **Oral Surg** 41(6):789–96, Jun 76

A study of the resolution of dental films and screens. Thunthy KH, et al. **Oral Surg** 42(2):255–66, Aug 76

Less radiation, better images. Vijlbrief P.
Radiol Clin (Basel) 45(2–4):326–35, 1976

An extravascular component of contrast enhancement in cranial computed tomography. Part II. Contrast enhancement and the blood–tissue barrier. Gado MH, et al. **Radiology** 117(3 Pt 1):595–7, Dec 75

Enhancement of xeroradiograph image contrast using red filtration. Kalisher L. **Radiology** 119(2):477, May 76

Image characteristics of liquid developed electron radiographs. Stanton L, et al. **Radiology** 120(2):421–2, Aug 76

Image characteristics of liquid developed electron radiographs. Stanton L, et al. **Radiology** 120(2):421–2, Aug 76

Contrast enhancement of cerebral infarcts in computed tomography. Wing SD, et al. **Radiology** 121(1):89–92, Oct 76

The effect of the kVp level on EMI values. Selective imaging of various materials with different kVp settings. Zatz LM. **Radiology** 119(3):683–8, Jun 76

Evaluation of xeroradiographic image quality. Zeman GH, et al. **Radiology** 119(3):689–95, Jun 76

[New amplifying foils and their aspects (author's transl)] Svoboda M. **Cesk Radiol** 30(1):69–71, Jan 76 (Eng. Abstr.) **(Cze)**

[Choice of method of image recording in selective coronarography] Ecoiffier J, et al.
J Radiol Electrol Med Nucl 56 suppl 1:223–5, 1975 **(Fre)**

[Comparison between static and dynamic noise in x-ray images] Feddema J, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:163–5, 1975 **(Fre)**

[Current problems of improving the quality of the x-ray image] Laval-Jeantet M, et al.
J Radiol Electrol Med Nucl 56 suppl 1:147–50, 1975 **(Fre)**

[Harmonization of images in radiology of the breast] Solsona F, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:329–32, 1975 **(Fre)**

[Frequence dependent conversion and amplification of x-ray to light by folios (author's transl)] Schuy S, et al.
Biomed Tech (Stuttg) 20(4):144–9, Aug 75 (Eng. Abstr.) **(Ger)**

[New intensifying screens in clinical radiology. Paper I–Experimental investigations (author's transl)] Hagemann G, et al. **God Zb Med Fak Skopje** 124(5):483–9, May 76 (Eng. Abstr.) **(Ger)**

[Röntgen picture amplifier] pp. 166–73. Goldhagen H, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Intraoperative use of an image intensifier in coral calculus operations (author's transl)] Bopp GH. **Urologe [A]** 15(4):161–3, Jul 76 (Eng. Abstr.) **(Ger)**

[Characteristics of manifestations of border effect in electroroentgenobronchography] Mamontov VV, et al.
Med Tekh (2):12–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

The response of fluoroscopic image intensifier–TV systems. Baily NA, et al. **Invest Radiol** 11(4):335–7, Jul–Aug 76

Image intensification fluoroscopy. Harrison LH, et al.
J Urol 116(3):348–9, Sep 76

Letter: Foreign body embedded in tissue. Gullekson EH.
JACEP 5(6):460, Jun 76

New device for accurate measurement of the x-ray intensity distribution of x-ray tube focal spots. Doi K, et al.
Med Phys 2(5):268–73, Sep–Oct 75

X-ray scatter background signals in transmission radiography. Motz JW, et al. **Med Phys** 2(5):259–67, Sep–Oct 75

Rarex BG (detail) screens in macroradiography. Devine AM.
Radiography 42(496):95–6, Apr 76

Rare-earth phosphor intensifying screens. Hollis KD.
Radiography 41(491):249–51, Nov 75

Electronic grids for electrostatic imaging systems. Muntz EP, et al. **Radiology** 121(1):197–204, Oct 76

[The 3d generation of brightness amplifiers] Delgambe R.
J Belge Radiol 58(2):101–5, Mar–Apr 75 **(Fre)**

[Röntgen intensifying screens; structure, properties and mechanism of action, range of application] pp. 142–7. Brandt GA, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Method of electronic enhancement (Logetroning) of breast radiographs] Marmorshtein Sla, et al.
Vestn Rentgenol Radiol (2):77–82, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Sensitometer for the objective evaluation of x rays] Orets LF, et al. **Voen Med Zh** (6):86, Jun 76 **(Rus)**

METHODS

Letter: Image quality and radiation in mammography. Evans AL, et al. **Br J Radiol** 48(576):1035–6, Dec 75

Proceedings: Photographic harmonization as a means of image enhancement in the study of bone lesions. Worthington BS. **Br J Radiol** 49(579):287, Mar 76

Xeroradiography and ionography: new technologies to replace the x-ray film. Allan FV, et al.
Med Prog Technol 3(4):143–8, 30 Apr 76

Peripheral angiograph enhancement by long leg pneumatic boots. D'Souza V, et al. **Radiology** 120(1):209–12, Jul 76

[Use of ampliphotography (spot camera) in radiographic diagnosis] Bradamante D, et al.
J Radiol Electrol Med Nucl 56 suppl 2:405–6, 1975 **(Fre)**

[The multi-colored x-ray image] Kunnen M.
J Radiol Electrol Med Nucl 56 suppl 1:168–9, 1975 **(Fre)**

[Radiologic image enhancement. Color and 3d dimension. Personal contributions to direct methods] Piazza G.
J Radiol Electrol Med Nucl 56 suppl 1:165–7, 1975 **(Fre)**

[Treatment of the radiographic image with radiochemical procedures] Sasso FS, et al.
J Radiol Electrol Med Nucl 56 suppl 1:160–1, 1975 **(Fre)**

[Scattered x-ray imaging by Fresnel zone holography (author's transl)] Ganssen A, et al. **Biomed Tech (Berlin)** 21(3):91–4, Apr 76 **(Ger)**

[The influence of scattered radiation on the spatial resolution of a collimator-detector system (author's transl)] Ertl S, et al. **Radiobiol Radiother (Berl)** 17(1):35–41, 1976 (Eng. Abstr.) **(Ger)**

[Image intensifier photography with 70-mm camera in the endocrinological diagnosis (author's transl)] Diankow L, et al. **Radiol Diagn (Berl)** 15(4):473–8, 1974 (Eng. Abstr.) **(Ger)**

[Angiographic diagnosis of pancreatic insulomas: proposed original method for image enhancement] Biliotti G, et al.
Ann Ital Chir 47(5):497–502, 1975 **(Ita)**

[Bi-dimensional correction of x-ray images] Ivanov VS, et al. **Med Tekh** (2):16–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

STANDARDS

[Determination of an optimum enlargement factor by means of objective or subjective criteria of picture quality (author's transl)] Rosenkranz G, et al.
Radiol Diagn (Berl) 16(3):429–35, 1975 (Eng. Abstr.) **(Ger)**

RADIOGRAPHIC MAGNIFICATION

Magnification angiography in the evaluation of transplanted kidneys. Laasonen L, et al.
Acta Radiol [Diagn] (Stockh) 17(2):200–8, Mar 76

The diagnostic value of serial magnification angiography for the representation of vessels in the posterior cranial fossa. pp. 71–80. Wende S, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Upper airway obstruction in infants and small children. Improved radiographic diagnosis by combining filtration, high kilovoltage, and magnification. Joseph PM, et al.
Radiology 121(1):143–8, Oct 76

Comparison of radiographic and optical magnification techniques for objects in arbitary orientations relative to the film plane. Sorenson JA. **Radiology** 118(2):439–41, Feb 76

[Extraction of peripherally located bronchial foreign bodies using a x-ray picture amplifier with a television loop] Rous J, et al. **Cesk Otolaryngol** 24(6):335–41, Dec 75 (Eng. Abstr.) **(Cze)**

[Current indications and limitations of magnification to 0.1 focus] Doyon D, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:150–3, 1975 **(Fre)**

[The importance of magnification angiography as an investigation for the arterial supply of the femoral head after medial neck fracture (author's transl)] Martinek H, et al. **Arch Orthop Unfallchir** 83(2):187–96, 27 Oct 75 (Eng. Abstr.) **(Ger)**

[Reduction in radiation scatter during radiographic magnification techniques (author's transl)] Stargardt A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):364–9, Oct 75 (Eng. Abstr.) **(Ger)**
Stargardt A, et al.
Fortschr Geb Roentgenstr Nuklearmed 123(1):73–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Principles of direct (geometrical) Röntgen enlargement] pp. 123–31. Stargardt A.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Determination of an optimum enlargement factor by means

of objective or subjective criteria of picture quality (author's transl)] Rosenkranz G, et al. **Radiol Diagn (Berl)** 16(3):429–35, 1975 (Eng. Abstr.) **(Ger)**

[Clinical value of magnification cerebral angiography (author's transl)] Takahashi M, et al. **Neurol Surg (Tokyo)** 3(4):297–304, Apr 75 (Eng. Abstr.) **(Jpn)**

[Optimal magnification radiography according to various conditions of the living body studied by estimation of modulation transfer function (MTF) (AUTHOR'S TRANSL)] Ayakawa Y, et al. **Nippon Acta Radiol** 36(2):148–58, 1976 (Eng. Abstr.) **(Jpn)**

[Direct magnification technic as a method of further improving the diagnostic value of cerebral angiography] Bryc S, et al. **Neurol Neurochir Pol** 10(1):55–59, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

Rarex BG (detail) screens in macroradiography. Devine AM. **Radiography** 42(496):95–6, Apr 76

[Dose saving and good quality of picture in the film–folia systems] Degenhardt H, et al. **Roentgenpraxis** 28(11):271–8, Nov 75 **(Ger)**

[Studies on new magnification folia for x-ray diagnosis] Kraft A, et al. **Roentgenpraxis** 28(11):264–70, Nov 75 **(Ger)**

[New possibilities of reduction of irradiation doses in radiography with the aid of intensifying screens] Gurvich AM, et al. **Vestn Rentgenol Radiol** (5):64–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

METHODS

Serial cerebral angiography in stereoscopic magnification. Takahashi M, et al. **Am J Roentgenol** 126(6):1211–8, Jun 76

Serial magnification angiography in orbital diseases. pp. 186–91. Wende S, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Progress in arteriography. Cerebral magnification angiography. pp. 148–54. Wende S, et al.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

Direct magnification radiography of the chest in diffuse pulmonary disease. Lefcoe MS. **J Can Assoc Radiol** 27(1):3–8, Mar 76

Comparison of image quality obtained with optical and radiographic magnification techniques in fine-detail skeletal radiography: effect of object thickness. Doi K, et al. **Radiology** 118(1):189–95, Jan 76

Routine magnification cerebral angiography: a practical system designed for community hospital application. Long JM. **South Med J** 69(7):911–3, Jul 76

High-resolution arteriography of the major peripheral vessels. Björk L, et al. **Ups J Med Sci** 80(2):118–21, 1975

[Value of direct magnification with micro-focus in cerebrovascular disorders] Debaene A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:153–5, 1975 **(Fre)**

[Dimuntion of the quantitative noise of the silver detector by use of colored pigments] Fournier JJ, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:161–3, 1975 **(Fre)**

[New aspects for enlargement of surgical x-rays (author's transl)] Freyschmidt J, et al. **Arch Orthop Unfallchir** 84(1):67–76, 26 Feb 76 (Eng. Abstr.) **(Ger)**

[Experimental investigations into dissolution of size of detail and contrast in the angiotomograms] Freyschmidt J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):262–7, Sep 75 (Eng. Abstr.) **(Ger)**

[Critical comment on enlargement techniques in diagnostic radiology (author's transl)] Schmidt-Hieber M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):175–9, Aug 75 **(Ger)**

[Radiographic examination of the intestine] Inakura M, et al. **Jpn J Clin Radiol** 20(5):399–407, May 75 **(Jpn)**

VETERINARY

X-ray enlargement modified for use in experimental animal science. Freyschmidt J, et al. **Lab Anim** 9(4):305–11, Oct 75

RADIOGRAPHY

see related

CONTRAST MEDIA

A rapid, multiformat method for x-ray reproduction. Friedman E. **Acta Stomatol Belg** 72(4):777–9, 1975

A rapid, multiformat method for x-ray reproduction. Friedman E. **Acta Stomatol Belg** 72(4):777–9, 1975

Film screening by physician assistants in diagnostic radiology. Barker EG Jr, et al. **Am J Roentgenol** 126(5):1069–76, May 76

A method for counting six gamma nuclides simultaneously in a three channel counter. Culp HW, et al. **Anal Biochem** 68(1):155–60, Sep 75

Future of diagnostic radiology. Maurer HJ, et al. **Ann Clin Res** 7(5):295–300, Oct 75 (46 ref.)

A radiographic evaluation of microporosity in a nickel base casting allow. Lewis AJ. **Aust Dent J** 20(4):221–7, Aug 75

The obligation of the radiologist. Alexander C. **Australas Radiol** 19(4):310–6, Dec 75

Letter: The radiography of polymethyl methacrylate (perspex). Ardran GM, et al. **Br J Radiol** 48(576):1040–1, Dec 75

A new design policy for protective barriers in departments of x-ray diagnosis. Gifford D. **Br J Radiol** 48(574):851–7, Oct 75

Measurements of automatically controlled exposure rate in radiodiagnostic screening units. Henshaw ET, et al. **Br J Radiol** 48(572):680–2, Aug 75

Letter: Must radiologists do all the reporting. McLachlan MS. **Br J Radiol** 48(573):773, Sep 75

Initial experience with a small dedicated computer system in a diagnostic x-ray department. James WB, et al. **Clin Radiol** 26(4):555–60, Oct 75

A new system of radiology reporting. Kolodny GM. **CRC Crit Rev Clin Radiol Nucl Med** 7(2):187–97, Dec 75

X-ray photogrammetry with special reference to the treatment of uterine cancer. pp. 409–35. Agnoletto EB, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

The ST R 1–3 analytical system for stereometric evaluation of x-ray photographs. pp. 436–45. Seeger E, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

The expanding role of diagnostic radiology. Gibson JY. **J Miss State Med Assoc** 16(9):291–3, Sep 75

Diagnostic and therapeutic radiation exposure. Russell WJ. **J Radiat Res (Tokyo)** 16 Suppl:42–8, Sep 75

Diagnostic x-rays in late pregnancy and in the neonate. Carmichael JH, et al. **Lancet** 1(7955):351–2, 14 Feb 76

Improving radiology in surgery. Berci G, et al. **Med Instrum** 10(2):110–4, Mar–Apr 76

Labeling slides of radiographs. Hewish MB. **Med Radiogr Photogr** 51(2):43, 1975

X-rays in focus. Armstrong P. **Nurs Times** 72(2):SUPPL: 1–4, 15 Jan 76

The royal college of radiologists. **Radiography** 41(492):266, Dec 75

Our changing democracy: devolution to Scotland and Wales. The Society's comments on the White Paper. **Radiography** 42(495):49–50, Mar 76

Presidential address: 'That Was the Year That Was'. Evans JW. **Radiography** 42(493):3–13, Jan 76

38th Stanley Melville Memorial Lecture 1975. Changing attitudes. Friel DJ. **Radiography** 42(495):63–8, Mar 76

Radiology in forensic pathology. Gee DJ. **Radiography** 41(485):109–14, May 75

Changing attitudes among radiographers--the 1974 ballot. Larkin GV. **Radiography** 42(497):116–7, May 76

History of a school. Millar M. **Radiography** 41(487):165–7, Jul 75

Tasks analysis in teaching radiography: is there a need for it? Smith N. **Radiography** 42(496):85–7, Apr 76

Radiological Society of North America. Sixty-second Scientific Assembly and Annual Meeting. Film interpretation session. **Radiology** 121(1):77A–92A, Oct 76

Overutilization of radiological examinations. Hall FM. **Radiology** 120(2):443–8, Aug 76 (47 ref.)

Overutilization of radiological examinations. Hall FM. **Radiology** 120(2):443–8, Aug 76 (47 ref.)

RSNA syllabus for radiation biology in diagnostic radiology residency training. Howland WJ, et al. **Radiology** 120(1):233–6, Jul 76

Direct measurement of the effect of film miniaturization on diagnostic accuracy. Lehr JL, et al. **Radiology** 118(2):257–63, Feb 76

Editorial: Diagnostic radiology--planning for the future. Potchen EJ. **Radiology** 120(1):227–9, Jul 76

Is this radiograph really necessary? Rigler LG. **Radiology** 120(2):449–50, Aug 76

Is this radiograph really necessary? Rigler LG. **Radiology** 120(2):449–50, Aug 76

Radiopaque suppositories. Spitzer A, et al. **Radiology** 121(1):71–3, Oct 76

The diagnostic quality of optically processed radiographs. Trefler M, et al. **Radiology** 121(1):211–3, Oct 76

Image reconstruction from projections. Gordon R, et al. **Sci Am** 233(4):56–61, 64–8, Oct 75

[Principles of architectural and functional organization of a radiodiagnostic service in a hospital environment] Van Tiggelen RP. **J Belge Radiol** 58(6):443–54, Nov–Dec 75 **(Fre)**

[Physical origin of silhouettes in radiology] Gharbi HA, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:155–8, 1975 **(Fre)**

[Diagnostic radiology today and tomorrow] Ratti A. **J Radiol Electrol Med Nucl** 56 suppl 1:1–2, 1975 **(Fre)**

[Irradiation in radiodiagnosis: recent possibilities of decreasing the doses (author's transl)] Weill F, et al. **J Radiol Electrol Med Nucl** 57(4):347–50, Apr 76 (Eng. Abstr.) **(Fre)**

[Release of x-ray pictures to patients] Rieger HJ. **Dtsch Med Wochenschr** 101(10):386–7, 5 Mar 76 **(Ger)**

[Bacteriological investigations in radiological clinic (radiographic apparatus, rooms and personnel) (author's transl)] Frik W, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):278–84, Mar 76 (Eng. Abstr.) **(Ger)**

[The inherent dynamics of radiological diagnosis and ways of controlling it] Frik W. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):161–5, Feb 76 (Eng. Abstr.) **(Ger)**

[RODOC--a system for the documentation of radiographic diagnoses with electronic data processing (author's transl)] Heilmann HP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):79–83, Jul 75 **(Ger)**

[Logetronic micro-film in radiological diagnosis with an integrated system of filming and filing(author's transl)] Ross E. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):585–94, Jun 76 (Eng. Abstr.) **(Ger)**

[X-ray stereophotogrammetry in clinical medicine (author's transl)] pp. 390–8. Greuel H.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974. (Eng. Abstr.) **(Ger)**

[Release of x-ray pictures to private patients] Gaisbauer G. **Med Welt** 27(5):209–11, 30 Jan 76 **(Ger)**

[Acquisition and documentation of radiological findings using the system HABERT (author's transl)] Ecker F, et al. **Methods Inf Med** 15(3):155–62, Jul 76 (Eng. Abstr.) **(Ger)**

[The influence of x-ray tube voltage on the exposure of x-ray films (author's transl)] Angerstein W, et al. **Radiol Diagn (Berl)** 16(3):437–9, 1975 (Eng. Abstr.) **(Ger)**

[Trends in radiodiagnostical technique (author's transl)] Biehl H, et al. **Radiol Diagn (Berl)** 16(3):421–8, 1975 (Eng. Abstr.) **(Ger)**

[Output key radiology and its possible use for representing the degree of radiological care (author's transl)] Dietze R. **Radiol Diagn (Berl)** 16(3):473–82, 1975 **(Ger)**

[Patient identification (PnI) in oversized radiographs. (author's transl)] Bützler HO. **Roentgenblaetter** 29(8):405–8, Aug 76 (Eng. Abstr.) **(Ger)**

[Roentgenographic findings in patients with pacemakers (author's transl)] du Mesnil de Rochemont W. **Roentgenblaetter** 29(1):5–12, Jan 76 (Eng. Abstr.) **(Ger)**

[Clinical test of the Delcomat miniaturisation system (author's transl)] Rossi I, et al. **Roentgenblaetter** 28(12):613–16, Dec 75 (Eng. Abstr.) **(Ger)**

[Astigmatism – a cause for misinterpretation of x-ray photographs (author's transl)] Trojan H, et al. **Roentgenblaetter** 28(12):621–2, Dec 75 (Eng. Abstr.) **(Ger)**

[Experiences in using the auto altenator system in a teaching hospital (author's transl)] Vuoria P, et al. **Roentgenblaetter** 28(12):617–20, Dec 75 (Eng. Abstr.) **(Ger)**

[Radiation protection of patients during x-ray diagnosis] Gerhardt P. **Roentgenpraxis** 28(2):37–47, Feb 75 **(Ger)**

[The need for radiographic pictures in various projections] Voegeli E, et al. **Ther Umsch** 31(10):694–711, Oct 74 (Eng. Abstr.) **(Ger)**

[Attempt at a working guideline for scientifically based indications for x-ray diagnosis in a public hospital --contribution on the use of principles of scientific work organization in health care establishments] Mann H, et al. **Z Aerztl Fortbild (Jena)** 70(9):484–90, 1 May 76 **(Ger)**

[Technical theory of the regional medical system – television transmission system for radiography] Yoshimura K. **Jpn J Clin Med** 33(8):2487–90, 10 Aug 75 **(Jpn)**

[Radiation protection in pediatric radiology] Kato S. **Jpn J Clin Radiol** 20(8):699–702, Aug 75 **(Jpn)**

[Estimation of population doses from diagnostic medical examinations in Japan, 1974. 2. Estimation of genetically significant dose (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 36(3):208–15, Mar 76 (Eng. Abstr.) **(Jpn)**

[Computer application in storage and retrieval of X-ray diagnostic information (author's transl)] Sakurai K, et al. **Nippon Acta Radiol** 35(6):430–8, 25 Jun 75 (Eng. Abstr.) **(Jpn)**

[A method for estimation of active bone marrow dose from x-ray radiography (author's transl)] Takaku Y. **Nippon Acta Radiol** 35(8):685–91, 25 Aug 75 (Eng. Abstr.) **(Jpn)**

[Systematic mass radiophotography: economic unviability and eventual danger of radiation exposure] Gikovate F, et al. **Rev Saude Publica** 10(1):103–10, Mar 76 (Eng. Abstr.) **(Por)**

[Lead content in medical x-ray offices] Avdeev II, et al. **Gig Sanit** (1):90–1, Jan 76 **(Rus)**

[Assessment of the genetically significant doses due to x-ray studies conducted in the Azerbaijani SSR] Kafarov RG. **Gig Sanit** (9):111–3, Sep 75 **(Rus)**

[Roentgenological 'study' or 'procedure'] Sobol' IS. **Med Radiol (Mosk)** 20(4):50–1, Apr 75 **(Rus)**

[Choice of a planning decision for a roentgenology office for mass prophylactic examinations (the ASPON roentgenological subsystem)] Chizhunova IuA, et al. **Med Tekh** (5):43–6, Sep–Oct 75 **(Rus)**

[Analysis of discrepancies between roentgenological and anatomical diagnosis] Rozenshtraukh LS, et al. **Vestn Rentgenol Radiol** (6):93–8, Nov–Dec 75 **(Rus)**

[Various problems of methodology of X-ray diagnosis] Vlasov PV. **Vestn Rentgenol Radiol** (6):98–103, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Work organization of a field x-ray room supplied with electrorentgenographic apparatus] Kishkovskiĭ AN, et al. **Voen Med Zh** (1):17–21, Jan 76 **(Rus)**

[Ways of improvement of roentgenological service to the rural population of Pskov district] Itinskiĭ IuM.

Zdravookhr Ross Fed (1):7–11, Jan 76 **(Rus)**

ADVERSE EFFECTS

Thorotrast–induced extraskeletal osteosarcoma of the cervical region. Report of a case. Hasson J, et al. **Cancer** 36(5):1827–33, Nov 75

Radiation hazards — a guide to good practice. **Cent Afr J Med** 22(1):15–7, Jan 76

[Value versus risk judgements in diagnostic radiology. Basic and practical considerations (author's transl)] Rausch L. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):171–80, Feb 76 (Eng. Abstr.)

Multiple colorectal carcinoma and barium enema perforation. Krausz M, et al. **J Surg Oncol** 8(4):311–4, 1976

Letter: Diagnostic x–rays in pregnancy. Hobbins JC, et al. **Lancet** 1(7962):739, 3 Apr 76

Letter: The ten–day rule. Russell JG. **Lancet** 1(7964):855, 17 Apr 76

Letter: Radiation exposure during cardiac catheterisation. Stott AN. **Lancet** 1(7969):1131, 22 May 76

Negligible and non–negligible risks in radiodiagnostic examination of patients. Scholte PJ, et al. **Radiol Clin (Basel)** 45(2–4):314–25, 1976

Biological effects of diagnostic irradiation. Miller PE. **Radiol Technol** 48(1):11–7, JUL–AUG 76

Effect of operator training on patient exposure: an analysis of the NEXT data. Wochos JF, et al. **Radiol Technol** 48(1):19–22, JUL–AUG 76

The vagus reaction as a possible cause of severe complications of radiological procedures. Andrews EJ Jr. **Radiology** 121(1):1–4, Oct 76

Estimation of fetal dose to patients undergoing diagnostic X–ray procedures. Jacobson A, et al. **Radiology** 120(3):683–5, Sep 76

[The abuse of x–ray for diagnostic purposes] Reding R. **Brux Med** 55(4):208–13, Apr 75 **(Fre)**

[Medico–legal responsibilities in complications of iodized contrast media according to legislation of Latin Countries] Barni M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:143–5, 1975 **(Fre)**

[Radiodiagnosis and radiopathology] Delpla M, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:660–2, 1975 **(Fre)**

[Complications of water–soluble contrast media. Influence of dosage and age] Lavaurs G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:135–6, 1975 **(Fre)**

[Complications of water–soluble iodized contrast media. Pathogenesis of complications in relation to the severity of the manifestations. Types of reactions] Leroux GF. **J Radiol Electrol Med Nucl** 56 suppl 1:129–31, 1975 **(Fre)**

[Factors to consider in the final result of a reaction to water–soluble contrast media and their influence in statistics] Martin–Crespo Diaz L. **J Radiol Electrol Med Nucl** 56 suppl 1:137–8, 1975 **(Fre)**

[Medico–legal responsibilities in complications induced by organic–iodized contrast media] Ottolenghi G. **J Radiol Electrol Med Nucl** 56 suppl 1:143, 1975 **(Fre)**

[Perspectives towards advancing our knowledge of complications caused by water–soluble iodized contrast media] Toniolo G. **J Radiol Electrol Med Nucl** 56 suppl 1:127–9, 1975 **(Fre)**

[Complications of water–soluble iodized contrast media] Vives Creixell S. **J Radiol Electrol Med Nucl** 56 suppl 1:132–3, 1975 **(Fre)**

[Complications of cervical discography (author's transl)] Roosen K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(6):520–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Cancer as a risk of exposure to medicinal radiation (author's transl)] Oeser H. **Munch Med Wochenschr** 117(31):1257–64, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Determination of radiation exposure in X–ray diagnosis (author's transl)] Gursky S. **Radiol Diagn (Berl)** 15(4):405–26, 1974 (100 ref.) (Eng. Abstr.) **(Ger)**

[Survey of the radiation burden of the Swiss population resulting from radiographic investigations] Poretti GG, et al. **Strahlenschutz Forsch Prax** 15:147–56, 1976 **(Ger)**

[Radiation exposure during examination with a therapy simulator. 2. Radiation load on the examiner during radiography (measurements on the Alderson–Man phantom)] Säbel M, et al. **Strahlentherapie** 150(3):321–35, Sep 75 (Eng. Abstr.) **(Ger)**

[To the x–ray examination during the pregnancy (author's transl)] Fochem K. **Wien Klin Wochenschr** 87(20):699–701, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Complications associated with diagnostic technics in digestive tract diseases and their prevention] Takemoto T. **Jpn J Gastroenterol** 73(4):415–20, Apr 76 **(Jpn)**

[Epidemiological study on patient exposure to medical radiation (author's transl)] Kitabatake T. **Nippon Acta Radiol** 35(4):228–42, 25 Apr 75 (Eng. Abstr.) **(Jpn)**

[Ionizing radiation used in medicine as a pathogenic factor] Majle T. **Pol Tyg Lek** 30(35):1445–7, 1 Sep 75 **(Pol)**

[Sexual function of mice exposed to radiation effects modelling x–ray studies] Koroleva TM, et al. **Gig Sanit** (2):53–6, Feb 75 (Eng. Abstr.) **(Rus)**

[Radiation–hygienic basis of exposure conditions in medical radiography] Prostiakova MA, et al. **Vestn Rentgenol Radiol** (1):75–8, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

HISTORY

Becquerel and the discovery of radioactivity. Knutsson F. **Acta Radiol [Diagn] (Stockh)** 16(2):113–6, Mar 75

Amniography: preliminary report. By T.O.Menees, J.D.Miller and L.E. Holly. American Journal of Roentgenology and Radiation Therapy, vol. 24, pp. 363–366, 1930. Menees TO, et al. **Am J Obstet Gynecol** 125(2):263, 15 May 76

Role of scientific societies in disseminating knowledge and fostering research on x–rays. Nelson PA. **Med Instrum** 9(6):260–6, Nov–Dec 75

Jerman Memorial Lecture. New images in radiology. Idstrom LG. **Radiol Technol** 47(6):357–63, May–Jun 76 (Eng. Abstr.)

[Roentgenology during the Great Patriotic War (reminiscences of a military roentgenologist)] Sokolov IuN. **Vestn Rentgenol Radiol** (4):87–91, Jul–Aug 75 **(Rus)**

INSTRUMENTATION

A device to measure roentgenographic structures. Hudon G, et al. **Am J Roentgenol** 126(2):432–7, Feb 76

A circular test pattern for evaluating x–ray tube focal spots. Zeman GH, et al. **Am J Roentgenol** 126(6):1239–45, Jun 76

Letter: Ardran/Crooks penetrameter cassette – necessity for re–calibration. Ardran GM, et al. **Br J Radiol** 49(581):479, May 76

Technical note. Evaluation of a new screen/film combination. Evans AL, et al. **Br J Radiol** 48(574):858–9, Oct 75

Letter: Evaluation of a new screen/film combination. Hay GA. **Br J Radiol** 49(579):294, Mar 76

Letter: Focal spot size. Waters G. **Br J Radiol** 49(581):477, May 76

Status report on instrumentation useful for craniofacial research. Hollien H. **Cleft Palate J** 13:138–55, Apr 76 (69 ref.)

150 MeV proton medical cyclotron design study. Burleigh RJ, et al. **Experientia** Suppl 24:135–8, 1975

Leakage radiation from a diagnostic tube housing when operated at less than the maximum rated kilovoltage. Kelley JP, et al. **Health Phys** 31(1):27–31, JUL 76

Photogrammetric interpretation of dual–stereoscopic roentgenograms with a new stereocompatator. pp. 89–94. Ascher PW, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Brief note: a simple method of obtaining intraoperative roentgenograms of the hand. Carter PR. **J Bone Joint Surg [Am]** 58(4):576, Jun 76

Iatrogenic skull fracture depression by use of a head clamp. Biber MP. **JAMA** 235(4):414–5, 26 Jan 76

An exciting new concept: mobile x–ray vans. Sindler RA. **Md State Med J** 25(7):49–50, Jul 76

Laser modification to an x–ray collimator: an aid in positioning patients for neurosurgical and radiographic procedures. Galkin BM, et al. **Med Phys** 2(2):79–81, Mar–Apr 75

Phase effects in diagnostic radiological images. Gray JE, et al. **Med Phys** 3(4):195–203, Jul–Aug 76

X–ray scatter background signals in transmission radiography. Motz JW, et al. **Med Phys** 2(5):259–67, Sep–Oct 75

Intensity distribution, modulation transfer function, and the effective dimension of a line–focus x–ray focal spot. Prasad SC, et al. **Med Phys** 3(4):217–23, Jul–Aug 76

Evaluation of Gecomat. Bunce AH. **Radiography** 41(487):169–70, Jul 75

The use of audio–visual aids in the introduction of new equipment. Stockley SM. **Radiography** 41(492):257–60, Dec 75

Radiographic scale grid for supervoltage radiographs. Wong JT. **Radiol Technol** 47(3):414–4, Nov–Dec 75

Simple construction of a 16970Yb–16969Tm absorber for peak kilovoltage calibration of a diagnostic x–ray machine. Aoki CT. **Radiology** 121(1):221–2, Oct 76

Performance specifications for diagnostic x–ray equipment. Hendee WR, et al. **Radiology** 120(2):409–12, Aug 76

Performance specifications for diagnostic x–ray equipment. Hendee WR, et al. **Radiology** 120(2):409–12, Aug 76

Opinion: Caveat doctor: the x–ray collimator industry takes a giant step backward. Joseph PM, et al. **Radiology** 121(1):225, Oct 76

A device to aid in positioning for the Andrén–von Rosen hip view. Knake JE, et al. **Radiology** 117(3 Pt 1):735–6, Dec 75

X–ray imaging with a scanning beam. Stein JA. **Radiology** 117(3 Pt 1):713–6, Dec 75

A simple vacuum cassette for microradiography. Bowes DN, et al. **Stain Technol** 50(5):355–7, Sep 75

[Comparison of the dose to different radiodiagnostic working places with the same control board data (author's transl)] Andersson O. **Radiol Diagn (Berl)** 15(5):687–91, 1974 (Eng. Abstr.) **(Ger)**

[Examinations on effective focal spot size in diagnostic X–ray tubes (author's transl)] Andersson O. **Radiol Diagn (Berl)** 15(4):535–42, 1974 (Eng. Abstr.) **(Ger)**

[Problems of radioprotective design test for x–ray equipments and gamma irradiation units (author's transl)] Friemert R, et al. **Radiol Diagn (Berl)** 15(5):675–82, 1974 (Eng. Abstr.) **(Ger)**

[First experiences with new compensation foils in the radiological diagnosis (author's transl)] Stier M, et al. **Radiol Diagn (Berl)** 16(6):857–61, 1975 (Eng. Abstr.) **(Ger)**

[Radiation dose and necessary radiation protection for films with portable X–ray generators (author's transl)] Voigt A, et al. **Radiol Diagn (Berl)** 15(4):531–4, 1974 **(Ger)**

[Saving exposure in child–radiology with a new set for children (author's transl)] Schuster W, et al. **Roentgenblaetter** 28(10):471–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Studies on development of medical flash x–ray system (author's transl)] Suzuki S. **Nippon Acta Radiol** 35(7):515–26, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[Air pollution from beryllium compounds in the manufacture of x–ray tubes] Bobrishchev–Pushkin DM, et al. **Gig Tr Prof Zabol** (6):36–8, Jun 76 (Eng. Abstr.) **(Rus)**

[Requirements for modern apparatus for x–ray diagnosis, radioisotope diagnosis and radiation therapy] Ankudinov VA, et al. **Med Tekh** (4):27–31, Jul–Aug 75 **(Rus)**

[Experience with the operation of a device for roentgeno–endoscopic examination] Astrakhantsev FA. **Med Tekh** (2):43–5, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Roentgen–television set with the device for dosage rate regulation] Brendel' G, et al. **Med Tekh** (2):57–9, Mar–Apr 75 **(Rus)**

[Trends in the development of equipment for mass x–ray examinations] Chikirdin EG. **Med Tekh** (2):5–8, Mar–Apr 75 **(Rus)**

[Furnishing therapeutic–prophylactic institutions with x–ray equipment] Kochetova GP, et al. **Med Tekh** (2):22–8, Mar–Apr 75 **(Rus)**

[Evaluation of technical equipment for roentgenological examination of children] Mataz IP, et al. **Med Tekh** (2):28–32, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Registration of failures (defects) in electric circuits of the x–ray apparatus] Tretiakov VV. **Med Tekh** (2):32–4, Mar–Apr 75 **(Rus)**

[Improvement of optic characteristics of the x–ray protective glass] Zakharenko IuS. **Med Tekh** (2):19–20, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Television set for visual analysis of roentgenograms] Zhukov EM, et al. **Med Tekh** (2):52–4, Mar–Apr 75 **(Rus)**

[1st results of the use of the Soviet RPU–3–3 and RBU–3–4 automatic exposure relays] Blinov NN, et al. **Vestn Rentgenol Radiol** (1):87–93, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[New possibilities of reduction of irradiation doses in radiography with the aid of intensifying screens] Gurvich AM, et al. **Vestn Rentgenol Radiol** (5):64–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Experience in using electrorentgenography] Golikov II, et al. **Voen Med Zh** (1):71, Jan 76 **(Rus)**

[Device for a lateral picture of the orbit] Sarkisian GM, et al. **Voen Med Zh** (3):84, Mar 76 **(Rus)**

[Condition control of x–ray systems] Hietala SO, et al. **Lakartidningen** 73(9):715–8, 25 Feb 76 (Eng. Abstr.) **(Swe)**

METHODS

Classification of radiological appearance and the derivation of a numerical score. Fox AJ. **Br J Ind Med** 32(4):273–82, Nov 75

Electrostatic methods of imaging in diagnostic radiology. pp. 270–8. Johns HE, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Three–dimensional time sequence radiography, a quasi–holographic technique. pp. 78–81. Hoppenstein R.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Dynamic radiography as a technique of imaging biological flaws. pp. 59–64. Jacobs AM, et al.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Rheumatoid wrist deformities and their relation to ulnar drift. Hastings DE, et al. **J Bone Joint Surg [Am]** 57(7):930–4, Oct 75

Simple method for the generation of organ and vessel contours from roentgenographic or fluoroscopic images. Newell JD, et al. **Med Phys** 2(2):73–5, Mar–Apr 75

Electrostatic fields in ionography. Plewes D, et al. **Med Phys** 2(2):61–72, Mar–Apr 75

Method for double–contrast study of the colon. Rogers CW. **Med Radiogr Photogr** 51(2):30–42, 1975

Nuclear scattering applied to radiography. Saudinos J, et al. **Phys Med Biol** 20(6):890–905, Nov 75

Radiographic imaging using an effective rotationally symmetrical focal spot. Goodenough DJ, et al. **Radiology** 119(2):443–9, May 76

A simple method for routine double–contrast study of the upper gastrointestinal tract. Laufer I. **Radiology** 117(3 Pt 1):513–8, Dec 75

The air–contrast stomach examination: an overview. Miller RE. **Radiology** 117(3 Pt 1):743–4, Dec 75

Clinical evaluation of electron radiography. Current status. Wallner PE, et al. **Radiology** 120(1):203–4, Jul 76

[Pediatric radiography and irradiation] Claus D, et al. **J Belge Radiol** 55(2):263–70, Mar–Apr 72 (Eng. Abstr.)

(Fre)
[Dosimetry in radiologic diagnosis] Elegem PV, et al. **J Belge Radiol** 55(2):271–84, Mar–Apr 72 (Eng. Abstr.) (Fre)
[Importance of the respective positions of the grid and the automatic exposer] Hoeffel JC, et al. **J Belge Radiol** 55(2):191–6, Mar–Apr 72 (Eng. Abstr.) (Fre)
[Diagnostic procedure in radiology. Theoretical model and experimental research] Pessina G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:393–6, 1975 (Fre)
[High energy radiography (4 MV). Practical results] Pozza F, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:390–1, 1975 (Fre)
[Radiological meneral equivalent determinations in bone. The problems of build-up factor (author's transl)] Hermanutz KD, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):178–80, Aug 76 (Eng. Abstr.) (Ger)
[Double-contrast examination of the small bowel without intubation (author's transl)] Novak VD. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):38–41, Jul 76 (Eng. Abstr.) (Ger)
[Radiology and nuclear medicine methods in the diagnosis of kidney diseases] Heinze HG, et al. **Internist (Berlin)** 17(2):83–90, Feb 76 (30 ref.) (Ger)
[The valence of radiodiagnostic methods for retroperitoneal fibrosis (author's transl)] Wagenknecht LV, et al. **Munch Med Wochenschr** 117(46):1835–8, 14 Nov 75 (Eng. Abstr.) (Ger)
[Radiological early diagnosis of colon tumours with double contrast method (Malmö-modification according to Welin) (author's transl)] Mateev B, et al. **Radiol Diagn (Berl)** 16(6):779–84, 1975 (Eng. Abstr.) (Ger)
[Holographic methods in medical diagnostics (author's transl)] Groh G. **Radiologe** 15(6):236–44, Jun 75 (Eng. Abstr.) (Ger)
[The highly resolving radiographic amplifier and the television chain] Haendle J. **Roentgenpraxis** 28(7):169–80, Jul 75 (Ger)
[Use of roentgenography for roentgeno-anatomic research] Dyskin EA, et al. **Arkh Anat Gistol Embriol** 70(6):103–5, Jun 76 (Eng. Abstr.) (Rus)
[Roentgenogrammetry and roentgenodensitometry in assessment of several morphologic changes] Rokhlin GD, et al. **Arkh Anat Gistol Embriol** 69(7):87–91, Jun 75 (Eng. Abstr.) (Rus)
[Dose loads in radiodiagnostic studies] Sukhomlina AN, et al. **Med Radiol (Mosk)** 21(3):73–6, Mar 76 (Rus)
[Laterography of the spine in lateral projection] Mazo IS. **Vestn Rentgenol Radiol** (5):79–80, Sep–Oct 75 (Rus)
[X-ray and scanning comparison of images by means of the matching of tags] Gorbachev VK, et al. **Voen Med Zh** (3):85–6, Mar 76 (Rus)
[Electrorentogenography and its importance in emergency x-ray diagnosis in peace- with wartime] Kishkovskii AN, et al. **Voen Med Zh** (12):52–5, Dec 75 (Rus)
[Clinicoradiological aspects of laryngography] Burgués-Vila J, et al. **An Otorrinolaringol Ibero Am** 1(4):13–31, 1974 (Eng. Abstr.) (Spa)

STANDARDS

Letter: Spoilt films in x-ray departments and radiation exposure to the public from medical radiology. Berry RJ, et al. **Br J Radiol** 49(581):475–6, May 76
Uniform positioning in routine abdominal x-ray diagnosis. Gileadi M. **Health Phys** 29(6):883–5, Dec 75
The composition of the radiologic report. Hessel SJ, et al. **Invest Radiol** 10(4):385–90, Jul–Aug 75
Radiographic technic, safety, and interpretation in the newborn nursery. Holbert CL, et al. **J Pediatr** 87(6 Pt 1):968–72, Dec 75
Observing the ten-day rule. A guide to good practice for radiographers. **Radiography** 42(497):99–100, May 76
How patients view the efficient use of diagnostic radiation. Laws PW. **Radiol Technol** 47(4):245–9, Jan–Feb 76
[First results of medical radiology installation inspections for approval by the Ministry of Public Health] Delhove J. **J Belge Radiol** 55(2):285–92, Mar–Apr 72 (Eng. Abstr.) (Fre)
[Assessment of radiologists workload in Scandinavia(author's transl)] Koivisto E. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):594–7, Jun 76 (Eng. Abstr.) (Ger)
[Problems of radiation protection in radiodiagnostical examinations (author's transl)] Moskalev JI. **Radiol Diagn (Berl)** 16(2):295–8, 1975 (Eng. Abstr.) (Ger)
[Methods of evaluation of the quality of x-ray images] Novikov Vla. **Med Tekh** (2):35–8, Mar–Apr 75 (Rus)

SUPPLY & DISTRIBUTION

[Medicine and radiology: a new aspect that presents the medical care services to the people of the world] Chamberlain RH. **Bol Of Sanit Panam** 79(3):243–50, Sep 75 (Eng. Abstr.) (Spa)

VETERINARY

Diagnostic radiology: its utilization in nonhuman primate medicine. Silverman S. **Lab Anim Sci** 25(6):748–52, Dec 75

RADIOGRAPHY, BODY SECTION see **TOMOGRAPHY, RADIOGRAPHIC**

RADIOGRAPHY, DENTAL

Minimizing radiation exposure in dental radiology. Lilienthal B, et al. **Aust Dent J** 20(1):1–6, Feb 75
Radiographic artefacts produced by static electricity. Edler RJ. **Br Dent J** 141(2):56, 20 Jul 76
A teaching aid in radiological interpretation. Harty FJ, et al. **Br Dent J** 139(5):183–4, 2 Sep 75
Proceedings: Xeroradiography in dentistry. Binnie WH, et al. **Br J Radiol** 49(582):557, Jun 76
Making radiographs on paper. Richards AG. **Dent Radiogr Photogr** 49(2):43–4, 1976
Radiology in forensic odontology. Stimson PG. **Dent Radiogr Photogr** 48(3):51–5, 64–5, 1975
Radiographs: interpretation and duplication. **J Am Dent Assoc** 93(3):532–3, Sep 76
Xeroradiography in dentistry. Lopez J Jr. **J Am Dent Assoc** 92(1):106–10, Jan 76
Radiology self-teaching video-tape programs (RSVP) in a diagnostic radiology course. Berry HM Jr, et al. **J Dent Educ** 40(3):147–9, Mar 76
Quasimonochromatic radiation for dental radiography. Huen A, et al. **J Dent Res** 55(1):148–53, Jan–Feb 76
Letter: The x-ray request. Waliace JR. **J Oral Surg** 33(11):823–4, Nov 75
Letter: Intraoral x-ray examination exposures. Paul IR. **NY J Dent** 46(1):14–5, Jan 76
Importance of dental x-rays. Seldin LW. **NY J Dent** 45(8):261, Oct 75
Copying x-rays. Rouff LN. **NY State Dent J** 41(8):484–5, Oct 75
Doses to critical organs from dental radiography. Antoku S, et al. **Oral Surg** 41(2):251–60, Feb 76
A survey of dental radiology evaluation in American dental schools. Ciola B. **Oral Surg** 42(2):249–54, Aug 76
A dental radiologic health laboratory teaching method. Hallisey RM, et al. **Oral Surg** 42(1):118–25, Jul 76
Automatic processing of intraoral films in dental schools. Hurlburt C. **Oral Surg** 40(3):423–7, Sep 75
[Panoramic tomography: its indications and limitations in the dental office] Garcias D, et al. **Actual Odontostomatol (Paris)** (112):563–90, Dec 75 (Eng. Abstr.) (Fre)
[Use of a xerographic procedure in orthodontic radiodiagnosis] Sarazin N. **Orthod Fr** 46:139–43, 1975 (Fre)
[Xerography] Le Pesteur J, et al. **Rev Stomatol Chir Maxillofac** 77(1):233–5, Jan–Feb 76 (Fre)
[The radiation protection shield—a useful radiation protective device for stomatological routine radiodiagnosis] Wiltschke F, et al. **Stomatol DDR** 25(10):701–6, Oct 75 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Requirements for radiation protection in the use of stomatological radiodiagnostic installations] Taschner P, et al. **Stomatol DDR** 26(3):184–90, Mar 76 (Eng. Abstr.) (Ger)
[Radiation exposure of the eye lens due to radiographic examinations in the dental clinic] Schmidt T, et al. **Strahlenschutz Forsch Prax** 15:157–62, 1976 (Ger)

INSTRUMENTATION

Filament 'warm-up' time in dental x-ray tubes. Price C. **Br Dent J** 139(9):365–8, 4 Nov 75
New copiers for dental radiograph duplicating film. Allen MJ, et al. **Dent Radiogr Photogr** 49(1):14–7, 1976
The versatile no. 1 x-ray film. Updegrave WJ. **Dent Radiogr Photogr** 48(3):60–2, 65, 1975
Acceptance Program for rapid processing devices for dental radiographic film. Council on Dental Materials and Devices. **J Am Dent Assoc** 91(3):611–2, Sep 75
Exposure factor determination. Buchholz RE. **Oral Surg** 40(4):548–52, Oct 75
A study of the resolution of dental films and screens. Thunthy KH, et al. **Oral Surg** 42(2):255–66, Aug 76
[Contribution to radioprotection problems for the operation of dental x-ray units (author's transl)] Voigt A. **Radiol Diagn (Berl)** 15(5):683–5, 1974 (Eng. Abstr.) (Ger)
[Hygienic plastic wrappers for dental radiographic films] Wiltschke F, et al. **Stomatol DDR** 26(4):242–7, Apr 76 (Ger)
[Defects found by experts in the testing of dental radiological equipment] **Zahnaerztl Mitt** 65(17):806, 1 Sep 75 (Ger)
[The development of dental roentgen equipment] Schienbein H. **ZWR** 84(19):867–9, 10 Oct 75 (Ger)
[Reduction of radiation exposure in the medical field and the use of high sensitivity films in dentistry] Okano T. **J Jpn Stomatol Soc** 42(4):490, Dec 75 (Jpn)

METHODS

A study of the methods of radiographic diagnosis of dental caries in epidemiological investigations. Haugejorden O. **Acta Odontol Scand [Suppl]** 32(65):1–269, 1974 (424 ref.)
Xeroradiography for cephalometric analysis. Johnson NA. **Am J Orthod** 69(5):524–6, May 76
The within-patient reliability of a three-dimensional cephalometric implant technique. Buck DL, et al. **Arch Oral Biol** 20(9):575–80, Sep 75
Paralleling technic with a disposable film holder. Silha RE. **Dent Radiogr Photogr** 48(2):27–35, 45, 1975
Letter: Reading radiographs. Mancini MV. **J Am Dent Assoc** 92(5):854, May 76
A radiographic method for assessing changes in alveolar bone height following periodontal therapy. Rosling B, et al. **J Clin Periodontol** 2(4):211–7, 1975
Aid for teaching roentgenographic technique. Mazzocco DM, et al. **J Dent Educ** 40(6):372–3, Jun 76
The application of xeroradiography in oral surgery. Olson DJ, et al. **J Oral Surg** 34(5):438–41, May 76
Radiography of the temporomandibular joint utilizing oblique lateral transcranial projections. Comparison of information obtained with standardized technique and individualized technique. Omnell KA, et al. **Odontol Revy** 27(2):77–92, 1976
A quantitative comparison of paralleling long-cone and bisection-of-angle periapical radiography. Biggerstaff RH, et al. **Oral Surg** 62(5):673–7, May 76
A teaching method for the paralleling technique. Jones PE, et al. **Oral Surg** 42(1):126–34, Jul 76
An alternative approach to dose reduction in dental radiography. Webber RL, et al. **Oral Surg** 40(4):553–63, Oct 75
[The posterior position in orthopantomography: P position] Dupuis A, et al. **Acta Stomatol Belg** 72(4):797–801, 1975 (Fre)
[Practical advice for facilitating the taking of periapical radiographs in the mandible] Galindo Y. **J Can Dent Assoc** 42(1):38, Jan 76 (Fre)
[Preliminary studies of televised radiography in dentistry] Bouchier G, et al. **Rev Odontostomatol (Paris)** 5(2):119–26, Mar–Apr 76 (Fre)
[Reproducible and congruent radiographs for the study of bone structure] Adolph W, et al. **Dtsch Zahnaerztl Z** 30(11):765–70, Nov 75 (Eng. Abstr.) (Ger)
[Studies on the disinfection possibilities for dental films used in intraoral radiography] Bössmann K, et al. **Dtsch Zahnaerztl Z** 31(8):665–6, Aug 76 (Ger)
[Comparative studies on panoramic radiographies (status X) and intra-oral radiographies] Diedrich P, et al. **Dtsch Zahnaerztl Z** 31(5):450–5, May 76 (Ger)
[Radiographic technics for the dental practice] Winklmair M. **ZWR** 84(7):297–303, 10 Apr 75 (Ger)

STANDARDS

The construction and use of diagnostic standards for primary radiographic caries. Haugejorden O. **Acta Odontol Scand** 34(2):69–77, 1976
Irradiation hazards and safety standards for patients in dental radiography. Williamson BD. **NZ Dent J** 71(325):129–35, Jul 75
[The use of equidensitometry for the improvement of interpretation in dental radiography] Kempfle B. **ZWR** 85(2):77–8, 25 Jan 76 (Ger)
[Dental radiology: on the advice of International Commission of Radiological Protection] Nakamura T. **J Jpn Stomatol Soc** 42(1):65–6, Mar 75 (Jpn)

RADIOGRAPHY, PANORAMIC

Form distortion in narrow beam rotation radiography. Sjöblom A, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):565–71, Nov 75
Layer formation in narrow beam rotation radiography. Welander U. **Acta Radiol [Diagn] (Stockh)** 16(5):529–40, Sep 75
Structures of the midface on cylindrical pantomograms. Altonen M. **J Maxillofac Surg** 4(3):171–7, Sep 76
Orthopantomographic assessment of the width of attached gingiva. Talari A, et al. **J Periodont Res** 11(4):177–81, Jul 76
An abbreviated index for periodontal bone height. Björn AL, et al. **Odontol Revy** 26(3):225–30, 1975
Misdiagnosis of an impacted supernumerary tooth from a panographic radiograph. McVaney TP, et al. **Oral Surg** 41(5):678–81, May 76
Japanese tooth positions and their relation to panoramic radiography. Manson-Hing LR, et al. **Oral Surg** 41(6):797–802, Jun 76
Distortion of gingival measurements in the orthopantomogram. Talari A, et al. **Proc Finn Dent Soc** 71(4):111–5, Aug 75
[Panoramic tomography: its indications and limitations in the dental office] Garcias D, et al. **Actual Odontostomatol (Paris)** (112):563–90, Dec 75 (Eng. Abstr.) (Fre)
[Radiodiagnosis by orthopantomography] Koumoura Ph, et al. **Stomatologia (Athenai)** 32(5):281–9, Sep–Oct 75 (Gre)

INSTRUMENTATION

[Experience with the operation of a panoramic tomograph] Rabukhina NA, et al. **Med Tekh** (2):41–3, Mar–Apr 75 (Eng. Abstr.) (Rus)

METHODS

[The posterior position in orthopantomography: P position] Dupuis A, et al. **Acta Stomatol Belg** 72(4):797–801, 1975 (Fre)
[The posterior position in orthopantomography: P position] Dupuis A, et al. **Acta Stomatol Belg** 72(4):797–801, 1975 (Fre)
[Orthopanradiography of the skeleton] Lacroix F, et al.

J Radiol Electrol Med Nucl 56 suppl 2:406–9, 1975 **(Fre)**

RADIOIMMUNOASSAY

[The importance of radio–allergo–sorbent–test in comparison with intracutaneous test in diagnosis of allergic diseases] Schneeberger HW, et al. **Acta Allergol (Kbh)** 30(6):GER, Dec 75 (Eng. Abstr.)

Radioimmunoassay of oestrone in plasma. A comparison of different methods with respect to the relation between assay specificity, sample purification and antibody specificity. Doerr P. **Acta Endocrinol (Kbh)** 81(3):655–67, Mar 76

Rapid simultaneous radioimmunoassay for the measurement of triiodothyronine and thyroxine in unextracted human serum. Ljunggren JG, et al. **Acta Endocrinol (Kbh)** 81(3):487–94, Mar 76

Comparison of the methods for measuring human chorionic gonadotrophin after hydatidiform mole. Salmon JA, et al. **Acta Endocrinol (Kbh)** 81(3):605–15, Mar 76

Analysis and comparison of two methods to detect hepatitis B antigen. Counterelectrophoresis (CEP) and reversed passive latex–agglutination (RPLA) technic in relationship to radioimmunoassay. Carvajal C, et al. **Am J Clin Pathol** 65(4):547–9, Apr 76

Comparative sensitivities of radioimmunoassay, crossoverelectrophoresis, and agar gel immunodiffusion for HBAg detection. Hicks EJ, et al. **Am J Clin Pathol** 65(4):540–6, Apr 76

The HCG–beta–subunit radioimmunoassay: potential error in HCG measurement related to choice of labeled antigen. Tyrey L, et al. **Am J Obstet Gynecol** 125(2):160–5, 15 May 76

Serum cortisol (hydrocortisone) values in normal dogs as determined by radioimmunoassay. Becker MJ, et al. **Am J Vet Res** 37(9):1101–2, Sep 76

The radioimmunoassay of drugs. A review. Landon J, et al. **Analyst** 101(1201):225–43, Apr 76 (144 ref.)

Comparison of skin tests and RAST in the diagnosis of atopic hypersensitivity. Collins–Williams C, et al. **Ann Allergy** 36(3):161–4, Mar 76

Developments in the field of radioimmunoassay and related techniques. Landon J. **Arzneim Forsch** 25(6):989–90, Jun 75

Application of radioimmunoassay techniques in support of toxicologic investigations of aircraft accidents. Manders WM, et al. **Aviat Space Environ Med** 46(10):1297–8, Oct 75

The radioimmunoassay of steroid glucuronides. The oestrogen C–3 glucuronides as haptens. Samarajeewa P, et al. **Biochem J** 151(2):369–76, Nov 75

Radioimmunoassay and saturation analysis. Tumor–associated antigens. Bagshawe KD. **Br Med Bull** 30(1):68–73, Jan 74

Radioimmunoassay and saturation analysis. Thyroid hormones. Burke CW, et al. **Br Med Bull** 30(1):93–9, Jan 74

Radioimmunoassay and saturation analysis. Posterior pituitary peptides. Chard T, et al. **Br Med Bull** 30(1):74–9, Jan 74

Radioimmunoassay and saturation analysis. Basic principles and theory. Ekins RP. **Br Med Bull** 30(1):3–11, Jan 74

Radioimmunoassay and saturation analysis. Preparation and assessment of radioactive tracers. Hunter WM. **Br Med Bull** 30(1):18–23, Jan 74

Radioimmunoassay and saturation analysis. Pituitary and placental glycopeptide hormones. Jacobs HS, et al. **Br Med Bull** 30(1):55–61, Jan 74 (84 ref.)

Radioimmunoassay and saturation analysis. Steroids. Jeffcoate SL. **Br Med Bull** 30(1):50–4, Jan 74

Radioimmunoassay and saturation analysis. Hematology. Newmark PA, et al. **Br Med Bull** 30(1):86–9, Jan 74

Radioimmunoassay and saturation analysis. Production of antibodies and binding reagents. Playfair JH, et al. **Br Med Bull** 30(1):24–6, Jan 74

Utilization of radioimmunoassays of gonadotropin, estrogen, and progesterone in the office practice of gynecology. Weiss G. **Bull NY Acad Med** 51(8):953–8, Sep 75

Comparison of alpha1 fetoprotein radioimmunoassay method and liver scanning for detecting primary hepatic cell carcinoma. Tonami N, et al. **Cancer** 36(2):466–70, Aug 75

Automatic treatment of radioimmunoassay data: an experimental validation of the results. Pilo A, et al. **Clin Chim Acta** 64(1):1–9, 1 Oct 75

The quantitation of antibody in farmer's lung syndrome using a radioimmunoassay. Results of a clinical survey and comparison of three serological methods. Parratt D, et al. **Clin Exp Immunol** 20(2):217–25, May 75

Some considerations in the preparation of raioiodoinsulin for radioimmunoassay and receptor assay. Schneider B, et al. **Diabetes** 25(4):260–7, Apr 76

The effect of ovarian steroid feedback upon radioimmunoreactive luteinizing hormone releasing hormone in the hypothalamus. Yanaihara T, et al. **Endocrinol Jpn** 22(6):525–30, Dec 75

A new radioimmunoassay for follicle–stimulating hormone in macaques: ovulatory menstrual cycles. Hodgen GD, et al. **Endocrinology** 99(1):137–45, Jul 76

Predetermination of ovulation timing by luteinizing hormone assay. Hosseinian AH, et al. **Fertil Steril** 27(4):369–74, Apr 76

The use of radioimmunoassay for aldosterone determination in plasma. Sparano F, et al. **Folia Endocrinol (Roma)** 27(5):423–31, Oct 74

A comparison of counter–immunoelectrophoresis, reversed haemagglutination and radioimmunoassay for the detection of HBsAg in blood donors. Angeloni G, et al. **Haematologica (Pavia)** 60(2):196–201, Jun 75

Immunological studies on nucleic acids: an investigation of the antigenic determinants of denatured deoxyribonucleic acid (DNA) reactive with rabbit anti–DNA antisera by a radioimmunoassay technique. Wakizaka A, et al. **Immunochemistry** 12(10):843–5, Oct 75

Radiolabelled ligands for steroid radioimmunoassay. Discussion. pp. 165–76.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Separation technics for steroid radioimmunoassay. Discussion. pp. 235–42.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

125I–Iodohistamine derivatives as tracers for the radioimmunoassay of progestagens. pp. 153–64. Cameron EH, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

(75Se)–Radioligands in steroid immunoassay. pp. 177–82. Chambers VE, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Automation and data processing for radioimmunoassays. pp. 293–330. Cook B.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Evaluation of two new separation techniques for steroid radioimmunoassays. pp. 229–34. Edwards CR, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Antisera copolymerized with acrylamide. pp. 243–50. Loriaux DL, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Steroid and gonadotropin radioimmunoassay. Discussion. pp. 163–76.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Assessment and processing of radioimmunoassay data. pp. 113–29. Rolieri E, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

The importance of measurement in medicine: RIA versus other biological assays. pp. 267–75. Pickering G.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Mathematical analysis of the results of competitive binding methods. pp 73–90. Arrigucci A, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

High specificity steroid antisera. pp. 87–112. Dean PD, et al.
In: Klopper A, ed. Plasma hormone assays in evaluation of fetal wellbeing. Edinburgh, Churchill Livingstone, 1976. QY 330 P715 1975. (69 ref.)

Radioimmunoassay as applied to microbiology. pp. 147–52. Fleisher M.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.

Proceedings: Immunopharmacology of a potent opiate, fentanyl. Development of radioimmunoassay and prevention of effects by immunologic means. Torten M, et al. **Isr J Med Sci** 11(12):1395, Dec 75

RAdioimmunoassay of human proparathyroid hormone: analysis of hormone content in tissue extracts and in plasma. Habener JF, et al. **J Clin Endocrinol Metab** 42(3):520–30, Mar 76

Radioimmunoassay of myoglobin in human serum. Results in patients with acute myocardial infarction. Stone MJ, et al. **J Clin Invest** 56(5):1334–9, Nov 75

Solid phase radioimmunoassay for typing herpes simplex viral antibodies in human sera. Forghani B, et al. **J Clin Microbiol** 2(5):410–8, Nov 75

Comparison of the reversed passive hemagglutination with radioimmunoassay methods for hepatitis B antigen. Leers WD, et al. **J Clin Microbiol** 2(1):8–10, Jul 75

Radioimmunoassay for measuring antibodies specific for group B streptococcal types Ia, Ib, Ic, II, and III. Wilkinson HW, et al. **J Clin Microbiol** 3(5):480–5, May 76

Radioimmunoassay of plasma vasopressin in physiological and pathological states in man. Beardwell CG, et al. **J Endocrinol** 67(2):189–202, Nov 75

Proceedings: Secretin radioimmunoassay in the pig. Bloom SR, et al. **J Endocrinol** 67(2):67P, Nov 75

Proceedings: Variations in the levels of follicle–stimulating hormone in the circulation of birds, as determined by homologous radioimmunoassay. Godden PM, et al. **J Endocrinol** 67(2):20P–21P, Nov 75

Proceedings: Radioimmunoassay of arginine–vasopressin in urine. Khokhar AM, et al. **J Endocrinol** 67(2):66P–67P, Nov 75

Radioimmunoassay of angiotensin II in the rat. Powell–Jackson FD, et al. **J Endocrinol** 68(1):175–6, Jan 76

An indirect immunoradiometric assay of microbes. Strange RE, et al. **J Gen Microbiol** 93(2):401–4, Apr 76

What can be measured with RAST? Bongrand P, et al. **J Immunol Methods** 11(3–4):197–12, 1976

Radioimmunoassay for herpes simplex virus. dos Remedios LV, et al. **J Immunol Methods** 10(4):357–62, 1976

Percutaneous absorption of dexamethasone estimated by a plasma radioimmunoassay. Zirker D, et al. **J Invest Dermatol** 66(6):376–8, Jun 76

A microradioimmunoassay for antibodies to tumor–associated antigens. Huang JC, et al. **J Natl Cancer Inst** 55(4):879–86, Oct 75

Aflatoxin B; specific antibodies and their use in radioimmunoassay. Langone JJ, et al. **J Natl Cancer Inst** 56(3):591–5, Mar 76

Rapid radioimmunoassay of triiodothyronine on Sephadex G–25 by the Ames kit. Howorth PJ, et al. **J Nucl Med** 17(4):321–2, Apr 76

Immunoradiometric assay for quantification of serum antibodies to dental plaque antigen in immunized dogs. Ahlstedt S, et al. **J Periodont Res** 10(4):224–9, Oct 75

The radioimmunoassay of gastrin. Clinical considerations. McGuigan JE. **JAMA** 235(4):405–6, 26 Jan 76

Diagnosis of pregnancy in marmosets: hemagglutination inhibition test and radioimmunoassay for urinary chorionic gonadotropin. Hodgen GD, et al. **Lab Anim Sci** 26(2 Pt 1):224–9, Apr 76

Editorial: The radioallergosorbent test. **Lancet** 1(7968):1061–2, 15 May 76

Letter: The radioallergosorbent test. **Lancet** 1(7974):1414–5, 26 Jun 76

Letter: Supraregional assay service. Ekins RP. **Lancet** 1(7962):740, 3 Apr 76

The radioallergosorbent test (RAST). Its significance in clinical and experimental allergy. Baldo BA, et al. **Med J Aust** 2(23):871–4, 6 Dec 75

The applications of steroid hormone radioimmunoassays to clinical obstetrics. Buster JE, et al. **Obstet Gynecol** 46(4):489–99, Oct 75 (71 ref.)

Evaluation of visceral larva migrans by radioimmunoassay systems. Patterson R, et al. **Pediatrics** 56(3):417–20, Sep 75

The levels of main urinary metabolite of prostaglandin F1alpha and F2alpha in human subjects measured by radioimmunoassay. Ohki S, et al. **Prostaglandins** 12(2):181–6, Aug 76

Selective catheterization of the pancreatic vein for radioimmunoassay in glucagon–secreting carcinoma of the pancreas. Ingemansson S, et al. **Radiology** 119(3):555–6, Jun 76

Radioimmunoassay. Ratcliffe FG. **Recent Adv Clin Nucl Med** 1:151–87, 1975 (119 ref.)

Properties, variants, and applications of the immunoradiometric assay method. Miles LE. **Ric Clin Lab** 5(1):59–72, Jan–Mar 75 (59 ref.)

Production and evaluation of antibodies for radioimmunoassay of secretin. Fahrenkrug J, et al. **Scand J Clin Lab Invest** 36(3):281–7, May 76

Production and evaluation of high–quality thyroxine antisera for use in radioimmunoassay. Kruse V. **Scand J Clin Lab Invest** 36(1):95–101, Jan 76

Detection of beta2–microglobulin in sera from diverse vertebrate species by the use of a heterologous radioimmunoassay. Gordon SM, et al. **Scand J Immunol** 5(5):505–11, 1976

A simple efficient production of neoantigenic antisera against fibrinolytic degradation products: Radioimmunoassay of fragment E. Chen JP, et al. **Thromb Res** 7(3):425–34, Sep 75

Application to a radioimmunoassay for angiotensin I to the measurement of plasma renin in rabbits, and comparison with a biological assay of plasma renin activity. Kurihara H, et al. **Tohoku J Exp Med** 116(3):219–27, Jul 75

Radioimmunoassay of 3,3',–'–triiodo–L–thyronine (reverse T3) in human serum and its application in different thyroid states. Meinhold H, et al. **Z Klin Chem Klin Biochem** 13(12):571–4, Dec 75

A review of radioimmunoassay for steroids. Nieschlag E, et al. **Z Klin Chem Klin Biochem** 13(7):261–71, Jul 75

[Radioimmunologic determination of l–triiodothyronine: effect of time and temperature of incubation] Bornet H, et al. **Int J Nucl Med Biol** 3(1):50–2, Jan 76 **(Fre)**

[Radioimmunologic determination of protein hormones] Troncone L, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:655–8, 1975 **(Fre)**

[Radioimmunoassays. Their application in toxicology (author's transl)] Despaux N, et al. **Pathol Biol (Paris)** 24(6):419–29, Jun 76 (Eng. Abstr.) **(Fre)**

[Study of the radioimmunological and physicochemical properties of anti–aldosterone and anti–desoxycorticosterone antisera (author's transl)] Sulon J, et al. **Pathol Biol (Paris)** 24(1):47–53, Jan 76 (Eng. Abstr.) **(Fre)**

[Radioimmunological determination of L–triodothyronine in human and rat blood] Peyrin JO, et al. **Physiologie** 13(1):25–33, Jan–Mar 76 **(Fre)**

[Our experience with the radioimmunoassay of insulin: Its practical value. Apropos of 140 cases] Terrasse J, et al. **Sem Hop Paris** 51(20):1337–43, 26 Apr 75 (Eng. Abstr.) **(Fre)**

[Principle and ranges of application of radioimmunoassay (III). Diseases of the thyroid and parathyroid glands] Lilienfeld–Toal H, et al. **Med Welt** 27(6):248–50, 6 Feb 76 **(Ger)**

[The principle and utiligation rope of radioimmunoassay (II).

Pharmacology—virology—tumor research] Ochs H, et al. **Med Welt** 27(2):75–7, 9 Jan 76 **(Ger)**

[Priciples and scope of radioimmunoassay] Ochs H, et al. **Med Welt** 26(52):2329–32, 26 Dec 75 **(Ger)**

[Principle and range of application of the radioimmunoassay (IV). Gynecology and obstetrics] Wildt L, et al. **Med Welt** 27(6):251–3, 6 Feb 76 (35 ref.) **(Ger)**

[Sources of error in the radioimmunochemical determination of digoxin in serum] Müller H, et al. **Nucl Med (Stuttg)** 14(4):381–9, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Nanogram analysis with radioimmunoassay] Verspohl E. **Pharm Unserer Zeit** 4(6):161–70, Nov 75 **(Ger)**

[A comparative study of the value of skin tests and radio-allergo-sorbent tests in inhalation allergies (author's transl)] Ebner H, et al. **Wien Klin Wochenschr** 87(19):627–31, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Significance of radioimmunological determination as a tool for clinical research] Donato L. **Ann Ist Super Sanita** 11(1–2):5–9, 1975 **(Ita)**

[Radioimmunological determination of insulin] Troncone L. **Minerva Med** 67(4):312–25, 28 Jan 76 **(Ita)**

[Clinical and laboratory problems in radioimmunologic determination] Castelli A. **Quad Sclavo Diagn** 11(2):179–82, Jun 75 **(Ita)**

[Incidence of HBAg in various liver diseases (comparison between radioimmunologic methods and methods of passive hemagglutination)] Claar GM, et al. **Quad Sclavo Diagn** 11(2):561–6, Jun 75 (Eng. Abstr.) **(Ita)**

[Prospects for the use of in vitro radioimmunological technics in pediatrics] de Angelis P. **Quad Sclavo Diagn** 11(2):239–43, Jun 75 (Eng. Abstr.) **(Ita)**

[Radioimmunoassay of FSH and FSH immunoactivity in human chorionic gonadotropin] Kase Y, et al. **Clin Endocrinol (Tokyo)** 23(11):1139–43, Nov 75 **(Jpn)**

[Studies on the measurements of LH-releasing hormone (LH-RH) by radioimmunoassay (RIA) (author's transl)] Kinugasa T, et al. **Folia Endocrinol Jpn** 52(1):62–71, 20 Jan 76 (Eng. Abstr.) **(Jpn)**

[The examinations of Japanese cedar pollinosis by the radioallergosorbent test. Part II. The diagnostic significance of radioallergosorbent test (RAST) in Japanese cedar pollinosis (author's transl)] Takayama S, et al. **J Otolaryngol Jpn** 79(2):133–41, Feb 76 (Eng. Abstr.) **(Jpn)**

[Principle of radioimmunoassay—recent progress on parathyroid hormone (author's transl)] Abe M. **Jpn J Clin Pathol** 23(12):980–7, Dec 75 (22 ref.) **(Jpn)**

[A radioimmunoassay of human proinsulin C-peptide immunoreactivity and its clinical applications (author's transl)] Oyama H, et al. **Jpn J Clin Pathol** 23(11):850–5, Nov 75 **(Jpn)**

[Outlook for the clinical and experimental application of radioimmunoassay and competitive binding methods to the determination of hormone levels] Zherbin EA, et al. **Vestn Akad Med Nauk SSSR** (3):84–9, 1975 (112 ref.) **(Rus)**

[Some potential sources of errors in radioimmunoassay of insulin and growth hormone in the body fluids] János L. **Med Pregl** 29(3–4):129–31, 1976 (Eng. Abstr.) **(Ser)**

INSTRUMENTATION

Problems in measurement of serum digoxin by commercially available radioimmunoassay kits. Kubasik NP, et al. **Am J Cardiol** 36(7):975–7, Dec 75

Evaluation of the sensitivity of commercially available digoxin radioimmunoassay kits. Kubasik NP, et al. **Chest** 70(2):217–20, Aug 76

Financial considerations toward securing radioimmunoassay equipment under current and proposed Medicare and Economic Stabilization Program regulations. pp. 241–52. Oszustowicz RJ.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Iodine-125-digoxin radioimmunoassay: comparison of commercial kits. Battaglia DJ, et al. **J Nucl Med** 17(9):847–9, Sep 76

Computer controlled automated radioimmunoassay. Bagshawe KD. **Lab Pract** 24(9):573–5, Sep 75

System for continuous agitation of radioimmunoassay samples. Chesworth JM. **Lab Pract** 24(12):816, Dec 75

Automatic pipetting system for radio-immunoassay. Paton JS, et al. **Med Lab Technol** 32(4):295–300, Oct 75

A modular analyzer system for double antibody radioimmunoassays. Marschner I, et al. **Z Klin Chem Klin Biochem** 13(11):481–8, Nov 75

METHODS

Radioimmunoassay of (8-arginine)-vasopressin. I. Methodology. Czernichow P, et al. **Acta Endocrinol (Kbh)** 80(3):444–52, Nov 75

The development of a radioimmunoassay for arginine vasopressin. Freisenhausen HD, et al. **Acta Endocrinol (Kbh)** 83(1):50–63, Sep 76

Second antibody chemically linked to cellulose for the separation of bound and free hormone: an improvement over soluble second antibody in gonadotrophin radioimmunoassay. Koninckx P, et al. **Acta Endocrinol (Kbh)** 81(1):43–53, Jan 76

Radioimmunoassay of (8-arginine)-vasopressin. II. Application to determination of antidiuretic hormone in urine. Merkelbach U, et al. **Acta Endocrinol (Kbh)** 80(3):453–64, Nov 75

Determination of plasma aldosterone in children by thin layer chromatography and radioimmunoassay. Parth K, et al. **Acta Endocrinol (Kbh)** 81(2):330–9, Feb 76

Radioimmunoassay of human prolactin (PRL). Schmidt-Gollwitzer M, et al. **Acta Endocrinol (Kbh)** 80(2):262–74, Oct 75

Immunoreactive estrogens in pregnancy. Yamamoto T, et al. **Acta Obstet Gynaecol Jpn** 22(2):107–12, Apr 75

Evaluation of three reverse passive haemagglutination methods and two radioimmunoassay tests to be used for the detection of hepatitis B surface antigen. Hansson BG. **Acta Pathol Microbiol Scand [C]** 84(1):53–8, Feb 76

Evaluation of IgE serum level by radial immunodiffusion and radioimmunoassay in allergic diseases. Palma-Carlos ML, et al. **Allergol Immunopathol (Madr)** 3(4):221–30, Jul-Aug 75

Three-years' experience in interlaboratory testing of commercial digoxin kits. Hansell JR. **Am J Clin Pathol** 66(1):234–7, Jul 76

A rapid, flow-through column radioimmunoassay for human chorionic somatomammotropin. Johnson PK, et al. **Am J Obstet Gynecol** (1):45–50, 1 May 76

A comparison between gonadotropin radioimmunoassays with the use of 48 hour and six-day incubation methods. Kosasa TS, et al. **Am J Obstet Gynecol** 124(2):116–20, 15 Jan 76

Observations on the automated calculation of radioimmunoassay results. Challand GS, et al. **Ann Clin Biochem** 13(2):354–60, Mar 76

Parathyroid hormone: radioimmunoassay and clinical interpretation. Hawker CD. **Ann Clin Lab Sci** 5(5):383–98, Sep-Oct 75

Solid-phase radioimmunoassays for quantitative antibody determination of Clostridium perfringens type D epsilon toxin. Bernáth S. **Appl Microbiol** 30(4):499–502, Oct 75

Staphylococcal enterotoxin C: solid-phase radioimmunoassay. Bukovic JA, et al. **Appl Microbiol** 30(4):700–1, Oct 75

Double-antibody radioimmunoassay for staphylococcal enterotoxin C2. Robern H, et al. **Appl Microbiol** 30(4):525–9, Oct 75

Detection of anabolic steroids by radioimmunoassay. Brooks RV, et al. **Br J Sports Med** 9(2):89–92, Jul 75

Radioimmunoassay and saturation analysis. Viruses. Cameron CH, et al. **Br Med Bull** 30(1):90–2, Jan 74

Radioimmunoassay and saturation analysis. Immunoassay in the diagnostic laboratory. Challand G, et al. **Br Med Bull** 30(1):38–43, Jan 74

Radioimmunoassay and saturation analysis. Pharmacology. Marks V, et al. **Br Med Bull** 30(1):80–6, Jan 74

Radioimmunoassay and saturation analysis. Separation techniques in saturation analysis. Ratcliffe JG. **Br Med Bull** 30(1):32–7, Jan 74 (57 ref.)

Radioimmunoassay and saturation analysis. The immunoradiometric assay and related techniques. Woodhead JS, et al. **Br Med Bull** 30(1):44–9, Jan 74

Detection of cannabis products in urine by radioimmunoassay. Marks V, et al. **Br Med J** 3(5979):348–9, 9 Aug 75

Loss of ACTH biological activity in plasma during extraction with a commercial radioimmunoassay kit. Cowan JS. **Can J Physiol Pharmacol** 54(2):170–1, Apr 76

Radioimmunoassay of bleomycin. Broughton A, et al. **Cancer Res** 36(4):1418–21, Apr 76

Modifications and evaluation of double antibody radioimmunoassay of human carcinoembryonic antigen. Das S, et al. **Cancer Res** 36(6):1954–61, Jun 76

Comparison of IgE values as determined by different solid phase radioimmunoassay methods. Johansson SG, et al. **Clin Allergy** 6(1):91–8, Jan 76

Serum IgE levels in healthy children quantified by a sandwich technique (PRIST). Kjellman NM, et al. **Clin Allergy** 6(1):51–9, Jan 76

Proficiency testing of radioimmunoassay. Longley WJ. **Clin Biochem** 9(3):109–10, Jun 76

End-point parameter adjustment on a small desk-top programmable calculator for logit-log analysis of radioimmunoassay data. Hatch KF, et al. **Clin Chem** 22(8):1383–9, Aug 76

Letter: Nonleakage of radioiodide through plastic. Miller WW. **Clin Chem** 22(5):692, May 76

Letter: Disadvantages of the sequential saturation method. Pratt JJ. **Clin Chem** 21(13):2002, 2004, Dec 75

Statistical characterization of the random errors in the radioimmunoassay dose--response variable. Rodbard D, et al. **Clin Chem** 22(3):350–8, Mar 76

Lipidex chromatography in the radioimmunoassay of serum and urinary cortisol. Apter D, et al. **Clin Chim Acta** 63(2):139–48, 1 Sep 75

The use of microfilters as an alternative to centrifugation in radioimmunoassay. Chalkley SR, et al. **Clin Chim Acta** 62(3):377–84, 4 Aug 75

Magnetic solid-phase radioimmunoassay. Hersh LS, et al. **Clin Chim Acta** 63(1):69–72, 18 Aug 75

Increasing the precision and speed of the separation step in radioimmunoassays. Merrett TG, et al. **Clin Chim Acta** 65(1):121–34, 15 Nov 75

Solid-phase, magnetic particle radioimmunoassay. Nye L, et al. **Clin Chim Acta** 69(3):387–96, 15 Jun 76

A rapid radioimmunoassay for determination of dehydroepiandrosterone sulphate in human plasma. Cattaneo S, et al. **Clin Endocrinol (Oxf)** 4(5):505–12, Sep 75

Radioimmunoassay of plasma dihydrotestosterone in normal and hypogonodal men. Pazzagli M, et al. **Clin Endocrinol (Oxf)** 4(5):513–20, Sep 75

Routine assay for the detection of immune complexes of known immunoglobulin class using solid phase C1q. Hay FC, et al. **Clin Exp Immunol** 24(3):396–400, Jun 76

Anti-HBsAg assay using the Ausria system with standard antigen dilutions. Müller R, et al. **Dev Biol Stand** 30:111–3, 1975

Quantitative detection and typing of HBs Ag and anti-HBs by radioimmunoassay techniques. Petrilli FL, et al. **Dev Biol Stand** 30:103–110, 1975

Detection of anti-HBs in two groups of institutionalized people by solid-phase radioimmunoassay using human labelled antibody. Schiano G, et al. **Dev Biol Stand** 30:116–9, 1975

Direct solid-phase radioimmunoassay (dSP-RIA) for detection of antibody to hepatitis B surface (HBs) antigen. Schober A, et al. **Dev Biol Stand** 30:93–102, 1975

Development and clinical evaluation of novel radioimmunoassay for the detection of hepatitis B antigen. Valentekovich MN. **Dev Biol Stand** 30:123–8, 1975

Specific detection of hepatitis B surface antigen utilizing chimpanzee and guinea pig antibodies in a solid-phase radio-immunoassay. Wilson S, et al. **Dev Biol Stand** 30:73–7, 1975

Radioimmunological determination of human C-peptide in serum. Heding LG. **Diabetologia** 11(6):541–8, Dec 75

Radioimmunoassay for human calcitonin employing synthetic calcitonin M: its clinical application. Morita R, et al. **Endocrinol Jpn** 22(5):419–26, Oct 75

Radioimmunoassay for estimation of thyroglobulin in human serum. Ochi Y, et al. **Endocrinol Jpn** 22(4):351–6, Aug 75

Radioimmunoassay for luteinizing hormone releasing hormone in plasma. Saito S, et al. **Endocrinol Jpn** 22(3):247–53, Jun 75

Radioimmunoassay of thyrotropin releasing hormone in plasma and urine. Saito S, et al. **Endocrinol Jpn** 22(4):303–9, Aug 75

Radioimmunoassay specific for amino (N) and carboxyl (C) terminal portion of parathyroid hormone. Tanaka M, et al. **Endocrinol Jpn** 22(6):471–7, Dec 75

Radioimmunoassay for secretin using Nalpha-tyrosylsecretin and [Tyr1]-secretin. Yanaihara N, et al. **Endocrinol Jpn** 23(1):87–90, Feb 76

Radioimmunoassay of serum concentrations of melatonin in sheep exposed to different lighting regimens. Rollag MD, et al. **Endocrinology** 98(2):482–9, Feb 76

Simultaneous determination of testosterone, 5alpha-androstan-17beta-ol-3-one, 5alpha-androstane-3alpha,17beta-diol and 5alpha-androstane-3beta,17beta-diol in plasma of adult male rabbits by radioimmunoassay(1). Schanbacher BD, et al. **Endocrinology** 97(4):787–92, Oct 75

Radioimmunoassay for aldosterone in plasma without chromatography. Hubl W, et al. **Endokrinologie** 66(3):292–300, Dec 75

Radioimmunoassay of plasma testosterone without chromatography. Stahl F. **Endokrinologie** 65(3):288–92, 1975

Direct radioimmunoassay of progesterone in plasma of farm animals. Stupnicki R. **Endokrinologie** 66(2):145–51, 1975

Radio-immunoassay of casein in the serum of normal subjects and of patients with various malignancies. Hendrick JC, et al. **Eur J Cancer** 10(11):725–30, Nov 74

Radioimmunoassay of prostaglandins Falpha, E1 and E2 in human plasma. Dray F, et al. **Eur J Clin Invest** 5(4):311–8, 29 Jul 75

Generation of specific antiserum to thyrotropin releasing-hormone and its use in a radioimmunoassay. Koch Y, et al. **FEBS Lett** 63(2):295–8, 1 Apr 76

Improved antisera for the specific radioimmunoassay of oestetrol. Park BK, et al. **FEBS Lett** 64(2):300–2, 1 May 76

Postcoital luteinizing hormone release in male and female rabbits as determined by radioimmunoassay. Jones EE, et al. **Fertil Steril** 27(7):848–52, Jul 76

Radioimmunoassay of class-specific antibodies (RIACA): chicken antibodies to bovine serum albumin. Viljanen MK, et al. **Immunochemistry** 12(8):699–705, Aug 75

The use of (3H)-labelled ligands in steroid radioimmunoassays. pp. 133–40. Jeffcoate SL, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

A radioimmunoassay method for six steroids in plasma. pp. 251–64. Brenner PF, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Gonadotrophins in blood and urine: some clinical applications of radioimmunoassay. pp. 389–405. Butt WR, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Radioimmunoassay of some gonadal steroids: validity and limitations of measurements in plasma extracts. pp. 229–49. Malvano R, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Data reduction in RIA. pp. 235–9. Albertson DF.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Statistical quality control and data processing for radioimmunoassays. pp. 201–7. Rodbard D.

In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Statistical analysis of radioimmunoassays and immunoradiometric (labelled antibody) assays. A generalized weighted, iterative, least-squares method for logistic curve fitting. pp. 209–33. Rodbard D, et al. **In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.**

Homologous radioimmunoassay for human prolactin. Reuter AM, et al. **Int J Nucl Med Biol** 3(1):21–8, Jan 76

Triiodothyronine radioimmunoassay and its application to thyroid disorders. Eisenstein Z, et al. **Isr J Med Sci** 12(1):1–10, Jan 76

An indirect radiolabelled antibody staining technique for the rapid detection and identification of bacteria. Benbough JE, et al. **J Appl Bacteriol** 41(1):47–58, Aug 76

Urine aldosterone radioimmunoassay: validation of a method without chromatography. Brown RD, et al. **J Clin Endocrinol Metab** 42(5):894–900, May 76

Radioimmunoassay for cortisol using antibodies against prednisolone conjugated at the 3-position. Colburn WA. **J Clin Endocrinol Metab** 41(5):868–75, Nov 75

Plasma levels of 5alpha-androstane-3alpha,17beta-diol in boys during adolescent growth. Klemm W, et al. **J Clin Endocrinol Metab** 42(3):514–9, Mar 76

Radioimmunoassay for 3,3',5'-triiodo-L-thyronine in unextracted serum: method and clinical results. Nicod P, et al. **J Clin Endocrinol Metab** 42(5):823–9, May 76

The Raji cell radioimmune assay for detecting immune complexes in human sera. Theofilopoulos AN, et al. **J Clin Invest** 57(1):169–82, Jan 76

A radioimmunoassay for serum rat thyroglobulin. Physiologic and pharmacological studies. Van Herle AJ, et al. **J Clin Invest** 56(5):1073–81, Nov 75

Radioimmunoassay for detection of antibodies to Epstein-Barr virus in human infectious mononucleosis serum specimens. Hutchinson HD, et al. **J Clin Microbiol** 1(5):429–33, May 75

Detection by radioimmunoassay of antibodies in human smallpox patients and vaccinees. Ziegler DW, et al. **J Clin Microbiol** 1(3):311–7, Mar 75

Measurement of plasma renin activity by semi-micro radioimmunoassay of generated angiotensin I. Dillon MJ. **J Clin Pathol** 28(8):625–30, Aug 75

A comparative study of serum total thyroxine estimation on unextracted serum by radioimmunoassay and by competitive protein binding. Marsden P, et al. **J Clin Pathol** 28(8):608–12, Aug 75

Introduction of a rapid, simple radioimmunoassay and quality control scheme for thyroxine. Nye L, et al. **J Clin Pathol** 29(5):453–7, May 76

A linear graph for digoxin radioimmunoassay. Smith SE, et al. **J Clin Pathol** 28(10):840–1, Oct 75

Region-specific immunoassays for parathyroid hormone. Barling PM, et al. **J Endocrinol** 66(3):307–18, Sep 75

Proceedings: Preliminary studies on the development and application of a radioimmunoassay for 5alpha-androst-16-en-3alpha-ol. Bicknell DC, et al. **J Endocrinol** 67(2):6P–7P, Nov 75

Proceedings: A radioimmunoassay for prolactin in the circulation of birds. Bolton NJ, et al. **J Endocrinol** 67(2):51P, Nov 75

Proceedings: Radioimmunoassays for plasma norethisterone and testosterone using antisera raised against C-11 conjugated haptens and radio-iodinated ligands. Hillier SG, et al. **J Endocrinol** 67(2):5P–6P, Nov 75

Proceedings: Novel procedure for the simultaneous determination of testosterone and 5alpha-dihydrotestosterone concentrations in unpurified plasma extracts by radioimmunoassay. Llewelyn DE, et al. **J Endocrinol** 67(2):7P–8P, Nov 75

Adsorption of free steroids with charcoal-gelatin disks in radioimmunoassays. Saba N. **J Endocrinol** 70(1):141–6, Jul 76

Proceedings: A new approach to radioimmunoassay methodology for steroid hormones. Seaton B, et al. **J Endocrinol** 68(3):36P–37P, Mar 76

Development of a radioimmunoassay for alpha-melanocyte-stimulating hormone in the rat. Thody AJ, et al. **J Endocrinol** 67(3):385–95, Dec 75

Proceedings: Physiological studies of arginine-vasopressin by radioimmunoassay with two immunologically distinct antisera. Thomas TH, et al. **J Endocrinol** 69(3):5P, Jun 76

Evaluation of the Abuscreen for methadone. Manning T, et al. **J Forensic Sci** 21(1):112–20, Jan 76

Radioimmunoassay for thymopoietin. Goldstein G. **J Immunol** 117(2):690–2, Aug 76

A modified technique for the radioallergosorbent test. Church JA, et al. **J Immunol Methods** 11(3–4):385–7, 1976

A solid-phase radioimmunoassay for the measurement of lactoferrin in human plasma: variations with age, sex, and disease. Bennett RM, et al. **J Lab Clin Med** 88(1):156–66, Jul 76

Comparison of confirmation methods for hepatitis-B antigen and the nature of false-positives detected by 125I-immunoglobulins. Ling CM, et al. **J Lab Clin Med** 86(4):690–9, Oct 75

Method for extraction of glycoprotein hormones from plasma for use in radioimmunoassays. Louvet JP, et al. **J Lab Clin Med** 86(5):883–6, Nov 75

The clinical value of the radioassay of serum folate. Rudzki Z, et al. **J Lab Clin Med** 87(5):859–67, May 76

A simplified approach for processing large numbers of double-antibody radioimmunoassay samples. Shorey J. **J Lab Clin Med** 86(6):1052–5, Dec 75

A radioimmunoassay to determine the subtypes D and Y of the hepatitis-B surface antigen. Thamer G, et al. **J Lab Clin Med** 87(4):734–8, Apr 76

Rapid assay of gonadotrophins: a radioimmunological method in 6 hours. Dotti C, et al. **J Nucl Biol Med** 19(4):177–85, Oct–Dec 75

A radioimmunoassay for thyroxine in unextracted serum. Filetti S, et al. **J Nucl Biol Med** 19(2):86–93, Apr–Jun 75

Effects of plasma proteins on the radioimmunoassay of triiodothyronine. Malvano R, et al. **J Nucl Biol Med** 19(2):94–104, Apr–Jun 75

Plasma deoxycorticosterone radioimmunoassay: method and clinical applications. Mantero F, et al. **J Nucl Biol Med** 19(4):186–94, Oct–Dec 75

Letter: Design of a new liquid scintillation vial. Fernandez-Pol JA. **J Nucl Med** 16(10):963, Oct 75

A simple and rapid radioimmunoassay of triiodothyronine in unextracted serum. Premachandra BN. **J Nucl Med** 17(5):411–6, May 76

Radioimmunoassay of steroids in biological fluids. Abraham GE. **J Steroid Biochem** 6(3–4):261–70, Mar–Apr 75 (35 ref.)

Radioimmunoassay of vasoactive intestinal peptide. Ebeid AM, et al. **J Surg Res** 20(4):355–60, Apr 76

Letter: Elisa: A replacement for radioimmunoassays? **Lancet** 2(7985):569–70, 11 Sep 76

Measurement of thyroid-stimulating hormone in dried blood spot. Irie M, et al. **Lancet** 2(7947):1233–4, 20 Dec 75

Letter: Radioimmunoassay of plasma—prolactin. Wood PJ, et al. **Lancet** 2(7943):1040–1, 22 Nov 75

Detection of antibodies to DNA: studies using tritiated actinomycin D labelled DNA. Young BJ. **Med Lab Sci** 33(2):167–73, Apr 76

Immunoassay of human plasma apolipoprotein B. Albers JJ, et al. **Metabolism** 24(12):1339–51, Dec 75

Radioimmunoassay of bovine parathyroid hormone. Saeki T, et al. **Natl Inst Anim Health Q (Tokyo)** 15(3):151–8, Fall 75

Radioiodine escape is an unexpected source of radioimmunoassay error and chronic low level environmental contamination. Bogdanove EM, et al. **Nature** 257(5525):426–7, 2 Oct 75

Radio-immunoassay of thyroxine in unextracted serum. Visser TJ, et al. **Neth J Med** 18(3):111–5, 1975

Use of (3H) and (125I) tracers in steroid radioimmunoassays. Jeffcoate SL. **Pathol Biol (Paris)** 23(10):903–5, Dec 75

Thyroxine (T4) immunoassay using a filter paper blood samples for screening of neonates for hypothyroidism. Larsen PR, et al. **Pediatr Res** 9(7):604–9, Jul 75

A rapid radioimmunoassay method of growth hormone in dog plasma. Cocola F, et al. **Proc Soc Exp Biol Med** 151(1):140–5, Jan 76

Improvement and initial in vivo application of the radioimmunoassay of rat thyrocalcitonin. Cooper CW, et al. **Proc Soc Exp Biol Med** 151(1):183–8, Jan 76

Comparison of radioimmunoassay and gas–liquid chromatography analyses of progesterone concentrations in cow's milk. Nuti LC, et al. **Proc Soc Exp Biol Med** 149(4):877–80, Sep 75

Indium-111-labeled antibody heavy metal chelate conjugates: a potential alternative to radioiodination. Pritchard JH, et al. **Proc Soc Exp Biol Med** 151(2):297–302, Feb 76

A specific radioimmunoassay for PGE2 using an antibody with high specificity and a sephadex LH-20 microcolumn for the separation of prostaglandins. Christensen P, et al. **Prostaglandins** 11(2):399–420, Feb 76

Validation of a heterologous radioimmunoassay for the determination of rat thyrotrophic hormone. García MD, et al. **Rev Esp Fisiol** 32(1):59–75, Mar 76

Experimental determination of the operative parameters for a double antibody solid phase radioimmunoassay of luteinizing and follicle-stimulating hormones in serum. Dotti C, et al. **Ric Clin Lab** 5(3):249–61, Jul–Sep 75 (Eng. Abstr.)

A sensitive radioimmunoassay of parathyroid hormone in human serum using a specific extraction procedure. Christensen MS. **Scand J Clin Lab Invest** 36(4):313–22, Jul 76

Radioimmunoassay of human calcitonin in serum and tissue from healthy individuals and patients with medullary carcinoma of the thyroid gland. Gautvik KM, et al. **Scand J Clin Lab Invest** 36(4):323–9, Jul 76

T3 release from thyroid slices as an assay for thyroid stimulators. Laurberg P, et al. **Scand J Clin Lab Invest** 35(8):723–7, Dec 75

Evaluation of radioimmunological methods for assay of plasma and urinary aldosterone. Pakarinen A, et al. **Scand J Clin Lab Invest** 36(4):331–8, Jul 76

Radioimmunoassay of triiodothyronine in human serum with special reference to methodological problems. Persson B, et al. **Scand J Clin Lab Invest** 36(3):273–9, May 76

Radioimmunoassay of beta2-microglobulin. Plesner T, et al. **Scand J Clin Lab Invest** 35(8):729–35, Dec 75

Portal and pancreatic vein catheterization with radioimmunologic determination of insulin. Ingemansson S, et al. **Surg Gynecol Obstet** 141(5):705–11, Nov 75

Plasma levels of secretin in man and dogs: validation of a secretin radioimmunoassay. Rayford PL, et al. **Surgery** 79(6):658–65, Jun 76

Serum parathyroid hormone: a double antibody radioimmunoassay. Scurry MT. **Tex Rep Biol Med** 33(3):456–64, 1975

A radioimmunoassay for platelet factor 4. Bolton AE, et al. **Thromb Res** 8(1):51–8, Jan 76

A solid phase radioimmunoassay for pancreatic glucagon. Lundqvist G, et al. **Ups J Med Sci** 81(2):65–9, 1976

A radioimmune assay for rabies binding antibody. Wiktor TJ. **WHO Monogr Ser** (23):182–5, 1973

Coated tube procedure, a rapid and simple method for radio immuno-assay of human placental lactogen. Spona J. **Z Immunitaetsforsch** 143(2):192–202, Mar 72

[Processing results of radioimmunological assays on a computer (author's transl)] Ullmann V, et al. **Cas Lek Cesk** 114(45):1392–6, 7 Nov 75 (Eng. Abstr.) **(Cze)**

[Characteristics of guinea pig anti-bovine parathormone antiserum used in radioimmunologic determination of human parathormone] Mallet E, et al. **C R Soc Biol (Paris)** 169(1):213–7, 1975 (Eng. Abstr.) **(Fre)**

[Determination of plasma luteinizing hormone by the radio-immunologic method. Technic. Preliminary results] Djian R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(2):161–75, Mar 73 **(Fre)**

[Radioimmunoassay of human prolactin] Reuter AM, et al. **Pathol Biol (Paris)** 23(10):761–7, Dec 75 (Eng. Abstr.) **(Fre)**

[Evaluation of various radioimmunological techniques for the detection of antigen HBs] Drouet J. **Rev Fr Transfus Immunohematol** 18(2):217–25, Jun 75 (Eng. Abstr.) **(Fre)**

[Calculation of radioimmunochemical determinations by 'spline approximation' (author's transl)] Nolte H, et al. **J Clin Chem Clin Biochem** 14(6):253–9, Jun 76 (Eng. Abstr.) **(Ger)**

[Principle and range of application of radioimmunoassay. (V). The renin-angiontensin-aldosterone system] von Lilienfeld-Toal H, et al. **Med Welt** 27(7):320–2, 13 Feb 76 **(Ger)**

[Principle and range of application of the radioimmunoassay (VI). The endocrine pancreas and gastrointestinal hormones] von Lilienfeld-Toal H, et al. **Med Welt** 27(7):323–5, 13 Feb 76 **(Ger)**

[Initial results with radio-allergo-sorbens-test in hypersensitivity in childhood] Müller R, et al. **Monatsschr Kinderheilkd** 124(5):258, May 76 **(Ger)**

[Determination of carcinoembryonic antigen (CEA) in patients with tumors of the large intestine. Experience with a new radioimmunoassay (author's transl)] Lamerz R, et al. **Munch Med Wochenschr** 118(12):371–6, 19 Mar 76 (Eng. Abstr.) **(Ger)**

[Kinetic optimization of radioimmunoassays using experimental reaction parameters (author's transl)] Keilacker H, et al. **Radiobiol Radiother (Berl)** 17(1):125–31, 1976 (Eng. Abstr.) **(Ger)**

[Comparative studies on 2 radioimmunoassay technics for the rapid determination of human chorionic somatomammotropin (HCS) in normal early pregnancies] Hähn VN, et al. **Zentralbl Gynaekol** 97(5):276–80, 1975 (Eng. Abstr.) **(Ger)**

[Problems of methodology in radioimmunologic determination] Rosa U. **Ann Ist Super Sanita** 11(1–2):10–8, 1975 **(Ita)**

[Effect of plotting by eye of the calibration curve in radioimmunologic assays] Taggi F, et al. **Ann Ist Super Sanita** 10(1–2):47–62, 1974 (Eng. Abstr.) **(Ita)**

[Preliminary considerations on the radioimmunologic determination of gastrin. Some theoretical and practical aspects] Ferrari A, et al. **Minerva Gastroenterol** 20(3):107–13, Jul–Sep 1974 (Eng. Abstr.) **(Ita)**

[Use of RIA (radioimmunoassay) technics in the identification of narcotics in biological fluids] De Ferrari F, et al. **Minerva Med** 67(35):2301–4, 21 Jul 76 (Eng. Abstr.) **(Ita)**

[Studies on quantitative determination of urokinase by radioimmunoassay and its clinical application. Part I. A new radioimmunoassay method for the quantitative determination of urokinase in urine (author's transl)] Wakayama Y. **Acta Haematol Jpn** 38(5):582–8, Oct 75 (Eng. Abstr.) **(Jpn)**

[Determination of blood estradiol levels using an estradiol-immunoassay-kit (CIS) – its application to menopausal patients in the outpatient clinic] Aoki T, et al. **Clin Endocrinol (Tokyo)** 23(8):841–4, Aug 75 **(Jpn)**

[Determination of serum cortisol with a radioimmunoassay kit] Funato T, et al. **Clin Endocrinol (Tokyo)** 24(2):165–70, 1976 **(Jpn)**

[Experimental and clinical studies of TSH kit phadebas] Ishihara M, et al. **Clin Endocrinol (Tokyo)** 23(12):1227–38, Dec 75 **(Jpn)**

[Experimental studies of C-peptide determination in man with a radioimmunoassay kit] Kiyono Y, et al. **Clin Endocrinol (Tokyo)** 23(9):931–5, Sep 75 **(Jpn)**

[Simultaneous determination of serum progesterone and 17 alpha-hydroxyprogesterone and its clinical application] Kojima M, et al. **Clin Endocrinol (Tokyo)** 23(8):823–30, Aug 75 **(Jpn)**

[Radioimmunoassay of HCG and LH —with special reference to the relationship between values of LH measured by HCG-RIA and by LH-RIA kit] Miura S, et al. **Clin Endocrinol (Tokyo)** 23(3):273–7, Mar 75 **(Jpn)**

[Thyroid gland function test by T-4 RIA kit] Miyazaki T, et al. **Clin Endocrinol (Tokyo)** 23(12):1271–4, Dec 75 **(Jpn)**

[Determination of urinary estrogen in non-pregnant women by E3 Hair kit, with special reference to its application

in monitoring during HMG treatment] Motohashi K, et al. **Clin Endocrinol (Tokyo)** 23(12):1261–3, Dec 75 **(Jpn)**

[Determination of human placental lactogen in the blood of pregnant women by RCC-HPL-RIA kit—experimental studies] Nagai N, et al. **Clin Endocrinol (Tokyo)** 23(12):1265–70, Dec 75 **(Jpn)**

[Radioimmunoassay of secretin (2)] Omata S, et al. **Clin Endocrinol (Tokyo)** 23(8):845–8, Aug 75 **(Jpn)**

[Simple determination of urinary aldosterone without chromatography] Takeuchi T, et al. **Clin Endocrinol (Tokyo)** 24(1):75–8, Jan 76 **(Jpn)**

[Rapid direct determination of urinary aldosterone-18-glucuronide without using chromatography] Terayama Y, et al. **Clin Endocrinol (Tokyo)** 23(8):831–5, Aug 75 **(Jpn)**

[Radioimmunoassay of plasma aldosterone and its clinical application] Tochigi T, et al. **Clin Endocrinol (Tokyo)** 24(1):69–74, Jan 76 **(Jpn)**

[Experimental studies on the determination of serum aldosterone by direct extraction using aldosterone-radioimmunoassay-kit (CIS) but without chromatography] Yokoyama H. **Clin Endocrinol (Tokyo)** 23(11):1151–8, Nov 75 **(Jpn)**

[Solid phase radioimmunoassay for plasma testosterone using plastic microtiter tray (author's transl)] Hosogi H. **Folia Endocrinol Jpn** 51(3):166–80, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Composite microassays of plasma progesterone, 17alpha-OH-progestrerone, estrone, 17beta-estradiol and estriol in normal adult women. I. Assay methods and steroid patterns in normal menstrual cycle (author's transl)] Suginami H. **Folia Endocrinol Jpn** 51(11):908–23, 20 Nov 75 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay of peptide hormones using polyethyleneglycol. II. Glucagon (author's transl)] Itō Y, et al. **Jpn J Clin Pathol** 23(10):811–4, Oct 75 **(Jpn)**

[Studies on radioimmunoassay of peptide hormone using polyethyleneglycol. Part 1. Insulin (author's transl)] Kihara A, et al. **Jpn J Clin Pathol** 23(6):449–52, Jun 75 **(Jpn)**

[Measurement of plasma aldosterone concentration by radioimmunoassay kit (ALDOK) (author's transl)] Nakamuta S, et al. **Jpn J Clin Pathol** 24(2):163–6, Feb 76 **(Jpn)**

[Radioimmunoassay of luteinizing hormone releasing hormone (author's transl)] Oshima I, et al. **Jpn J Clin Pathol** 23(11):834–8, Nov 75 **(Jpn)**

[RAST in atopic dermatitis and other various dermatose (author's transl)] Maruyama M. **Jpn J Dermatol** 85(10):567–75, Sep 75 **(Jpn)**

[Experimental studies on gastrin radioimmunoassay] Tani M, et al. **Jpn J Gastroenterol** 72(9):1128–37, Sep 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the clinical application of human TSH radiommunoassay] Azukizawa M, et al. **Jpn J Nucl Med** 12(4):377–84, Aug 75 (Eng. Abstr.) **(Jpn)**

[Serum digoxin determination with I125 radioimmunoassay kit (PEG method)] Kanao K, et al. **Jpn J Nucl Med** 12(6):637–44, Dec 75 **(Jpn)**

[Experimental and clinical examinations of a gastrin radioimmunoassay kit] Kasagi K, et al. **Jpn J Nucl Med** 12(4):415–21, Aug 75 **(Jpn)**

[Radioimmunoassay of serum TSH in hypothalamo-pituitary dysfunctions and thyroid diseases] Miyai K, et al. **Jpn J Nucl Med** 12(4):385–92, Aug 75 (Eng. Abstr.) **(Jpn)**

[Evaluation of short-term incubation at room temperature using double antibody HTSH kit] Mori tt, et al. **Jpn J Nucl Med** 12(3):301–5, Jun 75 **(Jpn)**

[Development and clinical application of a simple ultramicro-analysis of human growth hormone] Ogawa N, et al. **Jpn J Nucl Med** 12(4):359–66, Aug 75 (Eng. Abstr.) **(Jpn)**

[Evaluation of serum IgE determination by Phadebas IgE kit] Suzuki K, et al. **Jpn J Nucl Med** 12(3):295–300, Jun 75 **(Jpn)**

[Serum ACTH determination with ACTH immunoassay kit] Suzuki S, et al. **Jpn J Nucl Med** 12(6):653–9, Dec 75 **(Jpn)**

[Experimental studies on radioimmunoassay of gastrin—comparison between double antibody technic using Wilson's anti-gastrin serum and gastrin kit method (Dainabot)] Uchiya T, et al. **Jpn J Nucl Med** 12(6):645–51, Dec 75 **(Jpn)**

[Methodical problems attending the estimation of gastrin by the RIA method] Gołda W, et al. **Endokrynol Pol** 27(4):345–52, Jul-Aug 76 (Eng. Abstr.) **(Pol)**

[Characteristics and use of the "ROTOP-insulin-test" for radioimmunologic determination of insulin] Ziegler M, et al. **Probl Endokrinol (Mosk)** 22(3):51–4, May-Jun 76 (Eng. Abstr.) **(Rus)**

[Serum levels of LH, FSH, testosterone and estradiol in normal men and women determined by radioimmunoassay] Ruiz-Knaack J, et al. **Rev Clin Esp** 139(2):123–30, 31 Oct 75 (Eng. Abstr.) **(Spa)**

[Radioimmunologic method for the measurement of plasmatic LH in humans (author's transl)] Tresguerres JA, et al. **Rev Esp Fisiol** 31(2):99–104, Jun 75 (Eng. Abstr.) **(Spa)**

STANDARDS

Radioimmunoassay and saturation analysis. Standardization and standards. Bangham DR, et al. **Br Med Bull** 30(1):12–7, Jan 74

Critical factors in the standardization of steroid radioimmunoassay. pp. 27–63. Rosa U, et al. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

Labeling of proteins with 125I and experimental determination of its specific activity. Caro RA, et al. **Int J Appl Radiat Isot** 26(9):527–32, Sep 75

Interference by 2, 3-dimercapto-1-propanol (BAL) in angiotensin I radioimmunoassay. Shapiro R, et al. **J Lab Clin Med** 88(2):222–31, Aug 76

Results of a comparative study on insulin radioimmunoassay in 36 Italian laboratories. Costantini A, et al. **J Nucl Biol Med** 19(3):164–76, Jul-Sep 75

Quality control of radioimmunoassay. Siddiqui SA, et al. **Med Lab Technol** 32(3):171–81, Jul 75

Reliability criteria for steroid radioimmunoassay. Abraham GE. **Pathol Biol (Paris)** 23(10):885–8, Dec 75

Results of a comparative study on insulin radioimmunoassay in 36 Italian laboratories. Costantini A, et al. **Pathol Biol (Paris)** 23(10):873–83, Dec 75

The production of antibodies for radioimmunoassay. Court G. **Pathol Biol (Paris)** 23(10):859–62, Dec 75

Antiserum characteristics and assay quality. Malvano R, et al. **Pathol Biol (Paris)** 23(10):863–8, Dec 75

[Evaluation of cross-reactions with hepatitis-B-antigen (Australia-antigen) in the Ausria-testsystem (author's transl)] Sauer H, et al. **Z Immunitaetsforsch** 146(5):414–22, Apr 74 **(Ger)**

[Evaluation and standardization of radioimmunoassays] Masi I. **Ann Ist Super Sanita** 11(1-2):19–33, 1975 **(Ita)**

[Problems with standardization of the radioimmunologic determination] Scassellati GA. **Quad Sclavo Diagn** 11(2):192–206, Jun 75 (Eng. Abstr.) **(Ita)**

[Studies of various factors in thyrotropoin releasing hromone TRH) radioimmunoassay for serum (author's transl)] Mitsuma T, et al. **Folia Endocrinol Jpn** 51(10):793–802, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

RADIOISOTOPE DILUTION TECHNIC

Cutaneous blood flow. A comparative study between the thermal recovery method and the radioxenon clearance method. Tavares CM, et al. **Bibl Anat** 13:145–6, 1975

The limitations of 113Inm for plasma volume measurement. Wootton R. **Br J Radiol** 49(581):427–9, May 76

Blood-brain barrier studies in the rat: an indicator dilution technique with tracer sodium as an internal standard for estimation of extracerebral contamination. Hertz MM, et al. **Brain Res** 107(2):333–43, 7 May 76

Proceedings: Non-invasive measurement of regional interstitial water spaces, capillary permeabilities and solute fluxes in the lungs, using a radio-isotope method. Prichard JS, et al. **Bull Physiopathol Respir (Nancy)** 11(2):137P–141P, Mar-Apr 75

Lung water and urea indicator dilution studies in cardiac surgery patients. Comparisons of measurements in aortocoronary bypass and mitral valve replacement. Brigham KL, et al. **Circulation** 53(2):369–76, Feb 76

Nuclear cardiology in the evaluation of therapy and ventricular function in ischemic heart disease. Salel AF, et al. **Heart Lung** 5(4):641–51, Jul-Aug 76

Determination of plasma volume by 113min-labeled transferrin. Horowitz M, et al. **J Appl Physiol** 39(3):496–7, Sep 75

Two minute slope inhalation technique for cerebral blood flow measurement in man. 2. Clinical appraisal. Wyper DJ, et al. **J Neurol Neurosurg Psychiatry** 39(2):147–51, Feb 76

Initial assessment of a simple functional image of ventilation. Alpert NM, et al. **J Nucl Med** 17(02):88–92, Feb 76

Radionuclide determination of cardiac chamber flow/volume characteristics. Freedman GS, et al. **J Nucl Med** 17(02):84–7, Feb 76

The analysis of radioisotope cardiac output dilution curves. Hill DW. **Med Biol Eng** 13(6):819–24, Nov 75

Validation of use of 11,12-2H-labeled chenodeoxycholic acid in isotope dilution measurements of bile acid kinetics in man. Balistreri WF, et al. **Pediatr Res** 9(10):752–60, Oct 75

Estimation of blood flow with radioactive tracers. Bassingthwaighte JB, et al. **Semin Nucl Med** 6(2):141–61, Apr 76 (21 ref.)

Quantitative determination of intracardiac shunts with radioisotope dilution technic. Tähti E, et al. **Strahlentherapie [Sonderb]** 74:503–7, 1975

[Significance of radiocardiography for the study of ischemic heart disease] Měštan J, et al. **Cesk Fysiol** 24(4):311–4, 1975 **(Cze)**

[Assay of metabolites using enzymic isotope dilution kinetics methods] Cartier P. **Ann Biol Clin (Paris)** 33(3):127–9, 1975 **(Fre)**

[Error introduced in the radiocardiographic measurement of right volume by the non linearity of the detector in high count rates (author's transl)] Morin PP, et al. **J Radiol Electrol Med Nucl** 56(6-7):517–22, Jun-Jul 75 (Eng. Abstr.) **(Fre)**

[Clinical significance of transit-period determination in the right heart] Flöthner R, et al. **Verh Dtsch Ges Inn Med** 81:216–8, 1975 **(Ger)**

[Analysis of regional 133 Xe washout curve of the lung - use of a simulation model] Yamada K, et al. **Jpn J Nucl Med** 12(3):261–72, Jun 75 (Eng. Abstr.) **(Jpn)**

[Radioisotope determination of blood ejection volume in arteriovenous fistula] Malov GA, et al. **Med Radiol (Mosk)** 20(10):3–8, Oct 75 **(Rus)**

[Automated analysis of radiocardiographic data] Sivachenko TP, et al. **Med Radiol (Mosk)** 21(3):69–71, Mar 76 **(Rus)**

[Computer recording of radiocardiographic data] Svoboda P. **Med Radiol (Mosk)** 21(1):45–9, Jan 76 (Eng. Abstr.) **(Rus)**

[Radiocardiography with I131-hippuran in pediatric practice] Zubovskiĭ GA, et al. **Vopr Okhr Materin Det** 20(11):65–7, Nov 75 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Nickles RJ, et al. **J Nucl Med** 17(4):297–9, Apr 76

METHODS

Determination of the specific blood flow of the liver by inhalation of radioactive rare gases. Schmitz-Feuerhake I, et al. **Acta Hepatogastroenterol (Stuttg)** 22(3):150–8, Jun 75

Cerebral hemodynamics in the rat assessed by a non-diffusible indicator-dilution technique. Furlow TW Jr, et al. **Brain Res** 110(2):366–70, 9 Jul 76

Two minute slope inhalation technique for cerebral blood flow measurement in man. 1. Method. Wyper DJ, et al. **J Neurol Neurosurg Psychiatry** 39(2):141–6, Feb 76

A new constant infusion radioisotopic technique for the noninvasive determination of cardiac output. Berman DS, et al. **Med Instrum** 10(4):195–204, Jul-Aug 76

Comparison of double- and triple-isotope technique for measurement of lung water in man. Brigham KL, et al. **Surg Forum** 26:90–1, 1975

[Analysis of regional 133 Xe washout curve of the lung - use of a simulation model] Yamada K, et al. **Jpn J Nucl Med** 12(3):261–72, Jun 75 (Eng. Abstr.) **(Jpn)**

RADIOISOTOPE RENOGRAPHY

Proceedings: Renography in an acute general hospital. Cove-Smith JR, et al. **Br J Radiol** 48(573):767, Sep 75

Proceedings: Deconvolution renography on the scintillation camera. Fleming JS, et al. **Br J Radiol** 48(573):771, Sep 75

Deconvolution analysis of the scintillation camera renogram. Kenny RW, et al. **Br J Radiol** 48(570):481–6, Jun 75

Letter: The irregular renogram. Kooman A. **Br J Radiol** 49(584):735–6, Aug 76

Proceedings: Deconvolution analysis of the standard renogram and its clinical application. Reeve J, et al. **Br J Radiol** 48(573):770–1, Sep 75

Proceedings: The deconvoluted renogram—gimmick or clinical tool? Tothill P, et al. **Br J Radiol** 48(573):771, Sep 75

An evaluation of isotopic methods of investigation for hypertension in the young. Chhetri MK, et al. **Indian Heart J** 27(3):180–5, Jul 75

Radioisotopic evaluation of renal parenchymal disorders in children. Gopal R, et al. **Indian Pediatr** 12(10):975–81, Oct 75

Letter: The preparation of iodine-123 labelled sodium ortho-iodo hippurate and its clearance by the rat kidneys. Thakur ML, et al. **Int J Appl Radiat Isot** 26(5):319–20, May 75

99mTc-gluconate complex for kidney scanning. De Filippi PG, et al. **J Nucl Biol Med** 19(2):58–64, Apr-Jun 75

Comparison of inulin, iothalamate, and 99mTc-DTPA for measurement of glomerular filtration rate. Barbour GL, et al. **J Nucl Med** 17(4):317–20, Apr 76

Comprehensive evaluation of renal function in the transplanted kidney. Dubovsky EV, et al. **J Nucl Med** 16(12):1115–20, Dec 75

Estimating relative renal function. Secker-Walker RH, et al. **J Urol** 115(6):621–5, Jun 76

The value of radioisotope renography in the followup of patients operated upon for hydronephrosis. Tveter KJ, et al. **J Urol** 114(5):680–3, Nov 75

Renal functions in hypertensive subjects evaluated by computer-aided radioisotope renogram. Hirakawa A, et al. **Jpn Circ J** 39(7):799–804, Jul 75

A three-compartment model for the transport and distribution of Hippuran. van Stekelenburg LH, et al. **Phys Med Biol** 21(1):74–84, Jan 76

Simultaneous estimation of tubular and glomerular renal clearance with separate estimation of each side using a self-constructed whole-body measuring set. Piroth HD, et al. **Radiol Clin (Basel)** 44(5):491–5, 1975

The isotope-nephrography in hypertonic disease. Seiretova E, et al. **Radiol Diagn (Berl)** 16(1):127–33, 1975

Diagnostic value of renography for detection of unilateral renal or renovascular disease in hypertensive patients. Giese J, et al. **Scand J Clin Lab Invest** 35(4):307–10, Jul 75

Systematic difference of extrarenal background in left and right kidney regions at renography. Rödbro P, et al. **Scand J Clin Lab Invest** 36(2):189–92, Mar 76

Determination of fractional renal function in renography with and without individually [131I]albumin-determined blood background. Stöckel M, et al. **Scand J Clin Lab Invest** 35(6):511–6, Oct 75

Isotope nephrography in the evaluation of renal transplant recipients. Laasonen L. **Scand J Urol Nephrol** (29 Suppl):105–6, 6-7 Mar 75

A comparison between urography and radioisotope

renography in the follow-up of surgery for hydronephrosis. Otnes B, et al. **Scand J Urol Nephrol** 9(1):50–6, 1975

Diagnostic value of the filtration clearance in late-toxicosis syndromes of pregnancy by means of radioindicators. Slavov I, et al. **Strahlentherapie [Sonderb]** 74:152–8, 1975

The renogram and individual 131I-hippuran clearances in experimentally controlled renal perfusion. Hünermann B, et al. **Urol Res** 3(2):81–5, 8 Aug 75

[Isotope nephrography in late pregnancy toxemias] Radonov A, et al. **Akush Ginekol (Sofiia)** 14(6):466–9, 1975 (Eng. Abstr.) **(Bul)**

[131-I-hippuran clearance and isotopic nephrography in patients with endemic nephropath] Sheiretova E, et al. **Vutr Boles** 14(3):53–8, 1975 (Eng. Abstr.) **(Bul)**

[Value of isotope nephrography in the surveillance of pyelitis in pregnancy and the puerperium] Gellé P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):426–8, 1972 **(Fre)**

[Radioisotope diagnosis in patients with renal insufficiency and patients under dialysis] Laconi A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:346–7, 1975 **(Fre)**

[Diagnosis by radioisotopes] Meldolesi U. **J Radiol Electrol Med Nucl** 56 suppl 1:343–5, 1975 **(Fre)**

[Dependence of the radionephrographic course on the hydration condition in pyelonephritis] Buchanec J, et al. **Acta Paediatr Acad Sci Hung** 15(3–4):193–8, 1974 **(Ger)**

[Urography and radioisotope nephrography before and after typical gynecologic operations] Rauskolb R. **Arch Gynaekol** 219(1–4):230–2, 18 Nov 75 **(Ger)**

[Isotope nephrographic investigations after experimental unilateral fractionated irradiation of a kidney (author's transl)] Voigt R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):113–5, Aug 75 **(Ger)**

[A comparison of isotope nephrographic examinations during pregnancy and hormonal contraception (author's transl)] Voigt R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):275–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Radiological and nuclear medicine diagnosis of kidney transplants] Pfeifer KJ. **Fortschr Med** 93(32):1621–2, 13 Nov 75 **(Ger)**

[Radiology and nuclear medicine methods in the diagnosis of kidney diseases] Heinze HG, et al. **Internist (Berlin)** 17(2):83–90, Feb 76 (30 ref.) **(Ger)**

[Value of radioisotope renography compared to urography, phenol test and concentration test in the diagnosis of pyelonephritis in childhood] Misselwitz J, et al. **Kinderaerztl Prax** 44(2):69–76, Feb 76 **(Ger)**

[Bilateral determination of 131-I-hippuran clearance in nephroptoses within the scope of sequential camera scintigraphy] **Nucl Med (Stuttg)** 14(2):125–32, 30 June 75 (Eng. Abstr.) **(Ger)**

[Computer evaluation of isotope nephrograms. II. Computation based evaluation of radiologic informaiton] Adomssent S, et al. **Radiobiol Radiother (Berl)** 16(1):73–9, 1975 **(Ger)**

[Computer evaluation of isotopes nephrograms. I. Probelms with the interpretation of isotope nephrograms. Relevant data and evaluation criteria for the algorithm of decission making] Esther G, et al. **Radiobiol Radiother (Berl)** 16(1):64–71, 1975 **(Ger)**

[Animal experimental studies on the information content of isotope nephrogram on compensatory hyperplasia in unilaterally functionless kidney (author's transl)] Voigt R. **Radiol Diagn (Berl)** 16(1):135–41, 1975 (Eng. Abstr.) **(Ger)**

[99mTc-DTPA(Sn): biological and clinical studies on the distribution, kinetics and in vivo stability of a new clearance agent] Heidenreich P, et al. **Strahlentherapie [Sonderb]** 74:174–85, 1975 (Eng. Abstr.) **(Ger)**

[Nuclear medical techniques in diagnostics of urological diseases (author's transl)] Deininger HK, et al. **Urologe [A]** 15(1):21–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Scintigraphic functional analysis with the gamma camera during renal perfusion (author's transl)] Fischer D, et al. **Urologe [A]** 15(1):50–4, Jan 76 (Eng. Abstr.) **(Ger)**

[Surgical management of ureteral evacuation disorders using a surgical gama camera] Kucera H, et al. **Zentralbl Gynaekol** 97(6):361–4, 1975 (Eng. Abstr.) **(Ger)**

[Isotope nephrography in pregnancy] Lamm D. **Zentralbl Gynaekol** 98(6):368–73, 1976 (Eng. Abstr.) **(Ger)**

[Semi-quantitative evaluation of isotope nephrograms in normal pregnancies] Voigt R, et al. **Zentralbl Gynaekol** 97(12):718–21, 1975 (Eng. Abstr.) **(Ger)**

[Contributions of radioisotope renography] Meldolesi U. **Minerva Med** 66(79):4158–61, 21 Nov 75 **(Ita)**

[Relationship between renogram, various renal function tests and histological findings] Taguchi H, et al. **Jpn J Nephrol** 17(5):307–14, May 75 (Eng. Abstr.) **(Jpn)**

[Intravenal dynamics of 99m-Tc(Sn) DTPA and its clinical implications] Ishi Y, et al. **Jpn J Nucl Med** 12(3):245–53, Jun 75 (Eng. Abstr.) **(Jpn)**

[Usefulness of isotope renography in the determination of urinary tract conditions in patients with cervical carcinoma] Swiątkowska H, et al. **Nowotwory** 26(2):105–11, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

[Diagnosis of increased mobility of the kidneys in children with the aid of radioisotope renography] Kovryzhkina TA, et al. **Med Radiol (Mosk)** 20(4):63–5, Apr 75 **(Rus)**

[Functional study of the kidneys of children by the radioisotope renography method] Kovryzhkina TA. **Pediatriia** (2):70–3, Feb 74 (47 ref.) **(Rus)**

[Certain problems of radioisotope renography in children with pyelonephritis] Sigler Ia, et al. **Vopr Okhr Materin Det** 20(11):17–20, Nov 75 **(Rus)**

[Comparative evaluation of radioisotope and biochemical methods of study of renal plasma flow in patients with arterial hypertension] Khripta FP, et al. **Vrach Delo** (3):29–32, Mar 76 (Eng. Abstr.) **(Rus)**

[Radioisotope renographic indices in children with chronic glomerulonephritis and primary pyelonephritis] Sitnitskaia IG, et al. **Pediatr Akush Ginekol** :26–8, May–Jun 76 **(Ukr)**

INSTRUMENTATION

Proceedings: A new renography equipment with a special system for localization of the kidneys. Bärenholdt O, et al. **Br J Radiol** 48(573):767–8, Sep 75

Analysis of radiohippuran renogram by subtraction of extrarenal radioactivity. Razzak MA, et al. **J Urol** 115(5):494–6, May 76

Quantitative assessment of renal transplant function on renogram performed with computer assisted gammacamera. Hong-Yoe O, et al. **Proc Eur Dial Transplant Assoc** 12:441–51, 1976

The measurement of individual renal function: a comparison of a gamma-camera-computer-light-pen-system with background subtraction renography. Britton KE, et al. **Strahlentherapie [Sonderb]** 74:186–95, 1975

[Renal scintigraphy by means of gamma camera] Mikolajków A, et al. **Nowotwory** 26(2):101–4, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

METHODS

99mTc-gluconate complex for kidney scanning. De Filippi PG, et al. **J Nucl Biol Med** 19(2):58–64, Apr–Jun 75

The 99mTc-DTPA dynamic renal scan with deconvolution analysis. Diffey BL, et al. **J Nucl Med** 17(5):352–5, May 76

The McCallum method for renal localisation in renography. Merret SA. **Radiography** 42(498):119–21, Jun 76

A scintillation camera technique for quantitative estimation of separate kidney function and its use before nephrectomy. Larsson I, et al. **Scand J Clin Lab Invest** 35(6):517–24, Oct 75

[Use of radionuclides in the study of renal insufficiency] Di Pietrantonj F, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:474–6, 1975 **(Fre)**

[Studies of renal function with radioactive tracers. Calculation of effective renal plasma flow in each kidney separately] Muriel V. **J Radiol Electrol Med Nucl** 56 suppl 2:464–8, 1975 **(Fre)**

[Studies on kidney function with radioactive tracers. Derivation of a curve of hippuran elimination and separation of components of uptake and renal secretion of the tracer] Muriel VP. **J Radiol Electrol Med Nucl** 56 suppl 2:468–72, 1975 **(Fre)**

[Development and methods of separate-side renal clearance by means of 131 I-ortho-iodo-hippuric acid in whole body counter and its use in pediatrics] Kirsch W. **Ann Univ Sarav [Med]** 22(3):101–71, 1975 **(Ger)**

[The clinical value of sequential renal scans with 131 iodo-hipuran and renal perfusion with 99mtc compounds using computer analysis (author's transl)] Hecking E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):103–13, Aug 75 **(Ger)**

[Nuclear medical study of kidney function at rest and under stress (author's transl)] Pink V, et al. **Radiobiol Radiother (Berl)** 17(1):195–200, 1976 (Eng. Abstr.) **(Ger)**

[Nephrographic study with 131 iodine hippuran in surgical diseases of the uropoietic apparatus] Ferri O, et al. **Minerva Chir** 30(22):1127–34, 30 Nov 75 (Eng. Abstr.) **(Ita)**

[Simultaneous tracing of 131-I-hippuran and 197-HG-chlormerodrin uptake curve in obstructive uropathy (author's transl)] Sakurai T, et al. **Jpn J Urol** 66(11):761–9, Nov 75 (Eng. Abstr.) **(Jpn)**

[Studies on renal function and dynamics with using simultaneous double tracer method (author's transl)] Nakanishi Y. **Nippon Acta Radiol** 35(11):1004–21, 1975 (Eng. Abstr.) **(Jpn)**

[Dose loads in radiodiagnostic studies] Sukhomlina AN, et al. **Med Radiol (Mosk)** 21(3):73–6, Mar 76 **(Rus)**

STANDARDS

[Computer evaluation of isotope nephrograms. III. Clinical testing and use of the program. Possibilities of error and limitations of the ING] Esther G, et al. **Radiobiol Radiother (Berl)** 16(1):81–3, 1975 **(Ger)**

[Significance of organ depth in compartmental quantitative kidney studies] Erd W, et al. **Strahlentherapie [Sonderb]** 74:196–202, 1975 (Eng. Abstr.) **(Ger)**

[Distribution of renal transit times] Nowotny R, et al. **Strahlentherapie [Sonderb]** 74:205–10, 1975 (Eng. Abstr.) **(Ger)**

RADIOISOTOPE SCANNING

The role of scintigraphy in detection of liver metastases from gastrointestinal carcinomas. Andersson A, et al. **Acta Chir Scand** 141(8):756–8, 1975

Predictive value of liver scintiphotography for demonstration of metastases in malignant gastrointestinal disorders. Nilsson T, et al. **Acta Chir Scand** 142(3):231–4, 1976

Pre-operative localization of hyperfunctioning parathyroid tissue by parathyroid scintigraphy. Burckhardt P, et al. **Acta Endocrinol (Kbh)** 81(2):298–309, Feb 76

A new method for the diagnosis of pelvic pathologies Part II - interpretation of abnormal images. Clavero Núñez JA, et al. **Acta Eur Fertil** 6(2):173–7, Jun 75

A new method for the diagnosis of pelvic pathology by gammagraphy. Part I - description of the method and normal results. Clavero Núñez JA, et al. **Acta Eur Fertil** 6(2):167–71, Jun 75

Detection of solitary plasmacytoma by 99mTc pertechnetate in a patient with monoclonal immunoglobulin. Isobe T, et al. **Acta Haematol Jpn** 39(1):109–10, Feb 76

Tests of pancreatic function using 75Se-selenomethionine. Krasner N, et al. **Acta Hepatogastroenterol (Stuttg)** 23(2):144–50, Apr 76

Proceedings: Value of joint neuroradiological and angioscintigraphic investigation of meningiomas. Deisenhammer E, et al. **Acta Neurochir (Wien)** 31(3–4):288, 1975

Proceedings: The diagnosis of intracranial cholesteatomas with reference to the possible value of brain scan. Fodstad H. **Acta Neurochir (Wien)** 31(3–4):268–9, 1975

Proceedings: Possibilities and limitations of scintigraphy in diagnosing meningiomas. Wilcke O. **Acta Neurochir (Wien)** 31(3–4):287–8, 1975

Quantitative analysis of radioisotopic angiography in trophoblastic neoplasia. Tojo S, et al. **Acta Obstet Gynecol Scand** 54(4):325–8, 1975

Scintiscanning examination following total hip replacement. Feith R, et al. **Acta Orthop Belg** 40(5–6):806–12, 1974

Bone scintigraphy of facial skeleton with 99Tcm-diphosphonate. Bergstedt HF. **Acta Radiol [Diagn] (Stockh)** 16(4):337–41, Jul 75

Objective symmetry detector method for gammaencephalography. IV. Investigation of brain tumours. Lind M. **Acta Radiol [Diagn] (Stockh)** 16(6):585–99, Nov 75

Radiology for detecting brain tumor recurrences. Schwarz G, et al. **Acta Radiol [Diagn] (Stockh)** 17(2):193–9, Mar 76

Bone scanning with 99Tcm compounds in metastasizing mammary carcinoma. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(4):333–6, Aug 75

Trials to differentiate thyroid tumours by the use of 99Tcm-Solcocitran. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(5):462–4, Oct 75

99Tcm-solcocitran in the detection of bone malignancy. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(6):572–8, Dec 75

Radioisotopes and cross-sectional ultrasound in congenital heart disease. Friedman WF. **Adv Cardiol** 17:32–9, 1976

Advances in brain scanning. O'Mara RE. **Adv Neurol** 15:163–73, 1976

Brain imaging. Greenfield LD, et al. **Am Fam Physician** 13(4):95–102, Apr 76

Improved detection of myocardial infarction with technetium-99m stannous pyrophosphate and serum MB creatine phosphokinase. Coleman RE, et al. **Am J Cardiol** 37(5):732–5, Apr 76

Correlation of acute myocardial infarct scintigraphy with postmortem studies. Holman BL, et al. **Am J Cardiol** 37(2):311–3, Feb 76

Nuclear diagnosis of disseminated cancer of the breast. Results of liver-, brain-, and tumor-directed imaging studies. Oxley DK. **Am J Clin Pathol** 64(6):780–5, Dec 75 (18 ref.)

Diagnosis of Barrett's esophagus by pertechnetate radionuclide. Mangla JC, et al. **Am J Dig Dis** 21(4):324–8, Apr 76

99mTc-tagged chicken liver as a marker of solid food in the human stomach. Meyer JH, et al. **Am J Dig Dis** 21(4):296–304, Apr 76

Parameters of liver spleen scans as an indication of portal hypertension. Davis G, et al. **Am J Gastroenterol** 65(1):31–6, Jan 76

Clinical usefulness of 67gallium scanning in the malignant lymphomas. McCaffrey JA, et al. **Am J Med** 60(4):523–30, Apr 76

Cancer diagnosis. The role of tumor-imaging radiopharmaceuticals. Silberstein EB. **Am J Med** 60(2):226–37, Feb 76 (109 ref.)

Bone marrow 99m Tc sulfur colloid distribution and marrow cellularity. Henry RE, et al. **Am J Med Sci** 270(3):419–25, Nov-Dec 75

Computed tomography and brain scintigraphy in ischemic stroke. Chiu LC, et al. **Am J Roentgenol** 127(3):481–6, Sep 76

Computed tomography and radionuclide studies in the diagnosis of intracranial disease. Christie JH, et al. **Am J Roentgenol** 127(1):171–4, Jul 76

The aberrant gallbladder: angiographic and radioisotopic considerations. Chuang VP. **Am J Roentgenol** 127(3):417–21, Sep 76

Lack of gallium uptake in primary hepatic amyloidosis. Goergen TG, et al. **Am J Roentgenol** 126(6):1246–8, Jun 76

Pharmaco-kinetics of current skeletal-seeking radiopharmaceuticals. Krishnamurthy GT, et al. **Am J Roentgenol** 126(2):293–301, Feb 76

Gallium-67 scans in children with solid tumors. Lepanto PB, et al. **Am J Roentgenol** 126(1):179–86, Jan 76

Radionclide imaging in skeletal inflammatory and ischemic

disease in children. Majd M, et al. **Am J Roentgenol** 126(4):832–41, Apr 76
Incidentally detected thrombosed vein during 67Ga citrate scanning. Park CH, et al. **Am J Roentgenol** 126(6):1249–50, Jun 76
Hepatoscintigraphy, arteriography, and ultrasonography in preoperative diagnosis of choledochal cyst. Piyachon C, et al. **Am J Roentgenol** 127(3):520–3, Sep 76
'Doughnut' sign in brain scanning. Tarcan YA, et al. **Am J Roentgenol** 126(4):842–52, Apr 76
Gallium scanning in cerebral and cranial infections. Waxman AD, et al. **Am J Roentgenol** 127(2):309–14, Aug 76
Radionuclide studies in bronchogenic carcinoma of the Hilum. Scintigraphy and tomography: their complementary features. **Am J Roentgenol Radium Ther Nucl Med** 125(3):640–50, Nov 75
Clinical appraisal of a new lyophilized Tc stannous pyrophosphate kit for skeletal imaging. Anderton NS, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):625–9, Aug 75
Cerebral infarction diagnosis by computerized tomography. Analysis and evaluation of findings. Davis KR, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):643–60, Aug 75
Brain scan in cerebrovascular 'Moyamoya' disease. Mori H, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):583–9, Aug 75
Localization with the EMI scanner. Norman D, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):961–4, Dec 75
Bone tumor imaging by scintigraphy of the skeleton, marrow reticuloendothelial system, and the proliferative tissue. Okuyama S, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):965–71, Dec 75
Localization of Tc99m polyphosphate in soft tissue malignancies. Richman LS, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):577–82, Aug 75
Peripheral vascular perfusion scanning. Correlation with the arteriogram and clinical assessment in the patient with peripheral vascular disease. Siegel ME, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):628–33, Nov 75
Radionuclide perfusion lymphangiography. An experimental technique to complement the standard ethiodol lymphangiogram. Steckel RJ, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):600–9, Aug 75
Radionuclide bone images in hypertrophic pulmonary osteoarthropathy. Terry DW Jr, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):571–6, Aug 75
Bone scans of the facial bones: normal anatomy. Jones BE, et al. **Am J Surg** 132(3):341–5, Sep 76
Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **Am J Surg** 132(03):89–91, Sep 76
The use of radioisotope techniques for the evaluation of patients with pulmonary disease. Wagner HN Jr. **Am Rev Respir Dis** 113(2):203–18, Feb 76
Hemodynamic monitoring: noninvasive techniques. Wexler LF, et al. **Anesthesiology** 45(2):156–83, Aug 76 (59 ref.)
Radionuclide imaging of hard and soft tissues of dog jaws under heavy orthodontic forces. Garcia DA, et al. **Angle Orthod** 46(3):276–83, Jul 76
Myocardial imaging using selective intracoronary injection of Thallium-201. Korhola O, et al. **Ann Clin Res** 8(2):124–5, Apr 76
Letter: Scanning for uremic pulmonary calcifications. Davis BA, et al. **Ann Intern Med** 85(1):132, Jul 76
Bone scintiscanning updated. Lentle BC, et al. **Ann Intern Med** 84(3):297–303, Mar 76 (63 ref.)
Letter: Scanning for pulmonary calcification. Moinuddin M, et al. **Ann Intern Med** 84(2):224–5, Feb 76
Letter: Lupus erythematosus and brain scanning. Stewart G, et al. **Ann Intern Med** 83(5):733–4, Nov 75
Gallium scanning in sarcoidosis. Israel HL, et al. **Ann NY Acad Sci** 278:514–6, 1976
Gallium scans in myasthenia gravis. Swick HM, et al. **Ann NY Acad Sci** 274:536–54, 1976
The clinical role of skeletal scanning. Ell PJ. **Ann R Coll Surg Engl** 57(6):313–25, Dec 75
Evaluation of dominant thyroid masses. Thomas CG Jr, et al. **Ann Surg** 183(5):463–9, May 76
Technetium stannous pyrophosphate myocardial scintigrams in the recognition of myocardial infarction in patients undergoing coronary artery revascularization. Platt MR, et al. **Ann Thorac Surg** 21(4):311–7, Apr 76
Clinical application of regional lung function studies in infants and small children using 13N. Ronchetti R, et al. **Arch Dis Child** 50(8):595–603, Aug 75
Bone marrow scan evaluation of arthropathy in sickle cell disorders. Alavi A, et al. **Arch Intern Med** 136(4):436–40, Apr 76
Prognosis for recovery of function in acute renal failure. Value of the renal image obtained using iodohippurate sodium I 131. Harwood TH Jr, et al. **Arch Intern Med** 136(8):916–9, Aug 76
Radionuclide scanning in the evaluation of Kaposi sarcoma. Krishnamurthy GT, et al. **Arch Intern Med** 136(4):400–3, Apr 76
Bone-imaging and semiconductor probe measurements of technetium-99m-polyphosphate in the detection of periapical pathology in the dog. Garcia DA, et al. **Arch Oral Biol** 21(3):167–74, 1976
Radionuclide photoscanning. Usefulness in preoperative evaluation of melanoma patients. Roth JA, et al. **Arch Surg** 110(10):1211–2, Oct 75
Hot nodules of the thyroid gland. Hunter R, et al. **Aust NZ J Surg** 45(2):191–6, May 75
Radionuclide studies of posterior fossa lesions in children. Andrews JT, et al. **Australas Radiol** 20(1):12–5, Mar 76
Primary liver cancer (angiography and scintigraphy). Kido C. **Australas Radiol** 19(2):129–39, Jun 75
Radionuclide studies of regional cerebral perfusion: extended computer analysis of anterior and middle cerebral artery circulation. O'Reilly RJ, et al. **Australas Radiol** 19(2):152–60, Jun 75
Determination of regional pulmonary mechanics using a scintillation camera. Brown RC, et al. **Aviat Space Environ Med** 47(3):231–7, Mar 76
Proceedings: Isotope scanning in the heart: clinical results. Birch CR, et al. **Br Heart J** 37(7):784, Jul 75
131Cs myocardial scintigraphy. Application to assessment of anterior myocardial infarction. Burguet W, et al. **Br Heart J** 37(10):1037–44, Oct 75
Proceedings: Myocardial scintigraphy with 99 mTc pyrophosphate and 201 tallium. Lessem J, et al. **Br Heart J** 38(5):531, May 76
Proceedings: Isotope electrocardiograph-gated angiocardiography. Raina S, et al. **Br Heart J** 38(3):318, Mar 76
Noninvasive visualization of acute myocardial infarction in man with thallium-201. Wackers FJ, et al. **Br Heart J** 37(7):741–4, Jul 75
Proceedings: Heart scanning with 99Tcm stannous pyrophosphate. Wakley EJ, et al. **Br Heart J** 38(3):312–3, Mar 76
Technetium-99m labelled imidodiphosphate: an improved bone-scanning radiopharmaceutical. Brody KR, et al. **Br J Radiol** 49(579):267–9, Mar 76
Scintigraphic diagnosis of acoustic neurofibromas. Burrows EH. **Br J Radiol** 48(576):1000–6, Dec 75
A quantitative assessment of femoral head activity using 99Tcm -polyphosphate and a computer data collection system. Dowsett DJ, et al. **Br J Radiol** 49(582):540–6, Jun 76
Radioisotope measurements of regional lung function in bronchogenic carcinoma. Grant RW, et al. **Br J Radiol** 48(574):843–5, Oct 75
Proceedings: Scanning as an aid to the management of thyroid carcinoma. Henk JM. **Br J Radiol** 48(575):943, Nov 75
Gallium-67 imaging to localize urinary-tract infections. Hurwitz SR, et al. **Br J Radiol** 49(578):156–60, Feb 76
Proceedings: Brain scanning, including transverse section technique, as an aid to treatment planning. Keyes WI, et al. **Br J Radiol** 48(575):944, Nov 75
Letter: Radioisotope section scan versus E.M.I. scan. Keyes WI. **Br J Radiol** 48(576):1036–7, Dec 75
Comparison of 125I-labelled fibrinogen uptake and venography in the detection of recent deep-vein thrombosis in the legs. McIvor J, et al. **Br J Radiol** 48(576):1013–8, Dec 75
Rectilinear scanning in the detection of acute myocardial infarction. Murray JP, et al. **Br J Radiol** 49(577):50–5, Jan 76
Proceedings: Scanning and planning--help or hindrance? Neal FE. **Br J Radiol** 48(575):943, Nov 75
A clinical comparison of the tumour-imaging radiopharmaceuticals 67Gallium-citrate and 111Indium-labelled bleomycin. Paterson AH, et al. **Br J Radiol** 48(574):832–42, Oct 75
Proceedings: The current status of gallium 67 scanning. Paterson AH, et al. **Br J Radiol** 48(575):944, Nov 75
Prediction of human spleen size by computer analysis of splenic scintigrams. Roberts JG, et al. **Br J Radiol** 49(578):151–5, Feb 76
Proceedings: Bone scanning using radioactive strontium and polyphosphates. Ross WM, et al. **Br J Radiol** 48(575):943–4, Nov 75
The diagnostic value of sialography and scintigraphy in salivary gland diseases. Schmitt G, et al. **Br J Radiol** 49(580):326–9, Apr 76
Factors involved in the detection of pulmonary emboli by labelling techniques. Scully MF, et al. **Br J Radiol** 49(577):43–9, Jan 76
Proceedings: Some aspects of liver scanning. Sumerling MD. **Br J Radiol** 48(575):945, Nov 75
Bone scan in chronic dialysis patients with evidence of secondary hyperparathyroidism and renal osteodystrophy. Sy WM, et al. **Br J Radiol** 48(575):878–84, Nov 75
Localization of parathyroid adenomas by computer-assisted parathyroid scanning. Ell PJ, et al. **Br J Surg** 62(7):553–5, Jul 75
The significance of occult skeletal metastases, detected by skeletal scintigraphy, in patients with otherwise apparently 'early' mammary carcinoma. Galasko CS. **Br J Surg** 62(9):694–6, Sep 75
The value of the radio-isotope hepatogram in the jaundiced patient. Watson A, et al. **Br J Surg** 62(10):781–7, Oct 75
Measurement of the volume of residual urine using 131I-hippuran and the gamma camera. Kalis E, et al. **Br J Urol** 47(5):567–70, Oct 75
False-positive lung scans and radiotherapy. Bateman NT, et al. **Br Med J** 1(6013):807–8, 3 Apr 76
Adrenal aldosterone-producing adenoma: use of colonic potential in diagnosis and subtraction scanning technique for localisation. Britton KE, et al. **Br Med J** 2(6026):11–4, 3 Jul 76
Value of gallium scanning in seminoma of the testis. Paterson AH, et al. **Br Med J** 1(6018):1118–21, 8 May 76
Letter: Myocardial scanning. Wakley EJ, et al. **Br Med J** 3(5985):705, 20 Sep 75
Radioisotope scanning for the spinal cord tumor. Hiratsuka H, et al. **Bull Tokyo Med Dent Univ** 22(2):145–9, Jun 75
Uptake of 99mTe-Sn-EHDP in beagles with advanced periodontal disease. Kaplan ML, et al. **Calcif Tissue Res** 19(2):91–8, 18 Dec 75
Gallium-67-citrate scintiscanning in the search for occult primary malignant tumours. Lentle BC, et al. **Can Med Assoc J** 114(12):1113–8, 19 Jun 76
The single palpable thyroid nodule: evaluation by 99mTc-pertechnetate imaging. Alderson PO, et al. **Cancer** 37(1):258–65, Jan 76
Incidence and sites of bone lesions detected by 99mTc-polyphosphate scans in patients with tumors. Belliveau RE, et al. **Cancer** 36(2):359–63, Aug 75
Gallium-67 citrate scanning in Hodgkin's disease and non-Hodgkin's lymphoma. Horn NL, et al. **Cancer** 37(1):250–7, Jan 76
The radionuclide identification of tumors. Kaplan WD, et al. **Cancer** 37(1 suppl):487–95, Jan 76
Role of 67gallium citrate scanning in the management of non-Hodgkin's lymphoma. Levi JA, et al. **Cancer** 36(5):1690–741, Nov 75
67Ga accumulation in pulmonary lesions associated with bleomycin toxicity. Richman SD, et al. **Cancer** 36(6):1966–72, Dec 75
111Indium-bleomycin breast and axilla imaging. Silverstein MJ, et al. **Cancer** 37(1):36–42, Jan 76
Comparison of alpha1 fetoprotein radioimmunoassay method and liver scanning for detecting primary hepatic cell carcinoma. Tonami N, et al. **Cancer** 36(2):466–70, Aug 75
Radioisotopic measurements of coronary blood flow. Bing RJ, et al. **Cardiovasc Clin** 6(3):297–303, 1975 (29 ref.)
Radioisotope studies in coronary artery disease. Dwyer EM Jr. **Cardiovasc Clin** 7(2):101–12, 1975
Myocardial scintigraphy for noninvasive studies of myocardial perfusion in man. Romhilt DW. **Cardiovasc Clin** 6(3):305–17, 1975
Continuous imaging of regional myocardial blood flow in dogs using krypton-81m. Turner JH, et al. **Cardiovasc Res** 10(3):398–404, May 76
Detection of unstable angina by 99m technetium pyrophosphate myocardial scintigraphy. Abdulla AM, et al. **Chest** 69(2):168–73, Feb 76
67Gallium citrate lung scans in interstitial lung disease. Niden AH, et al. **Chest** 69(2 Suppl):266–8, Feb 76
Editorial: Right and left ventricular ejection fraction. Measurement by radionuclide angiocardiography in coronary artery disease. Pitt B. **Chest** 70(03):321–2, Sep 76
Radionuclidic lung-imaging procedures in the assessment of injury due to ammonia inhalation. Taplin GV, et al. **Chest** 69(5):582–6, May 76
Coordinated investigation of cystic astrocytomas by nuclear medicine and neuroradiological techniques. Gilday DL, et al. **Childs Brain** 1(1):34–45, 1975
Isotope cisternography and ventriculography in congenital CNS anomalies. Glasauer FE. **Childs Brain** 1(2–3):116–20, 1975
Technetium 99m stannous pyrophosphate myocardial imaging in patients with and without left ventricular aneurysm. Ahmad M, et al. **Circulation** 53(5):833–8, May 76
Noninvasive quantitation of myocardial infarction with technetium 99m pyrophosphate. Botvinick EH, et al. **Circulation** 52(5):909–15, Nov 75
Morphologic correlates of technetium-99m stannous pyrophosphate imaging of acute myocardial infarcts in dogs. Buja LM, et al. **Circulation** 52(4):596–607, Oct 75
Noninvasive detection of intracardiac thrombosis: 131-I fibrinogen cardiac survey. Frisbie JH, et al. **Circulation** 53(6):988–91, Jun 76
Evaluation of potassium-43 scintillation images during early myocardial ischemia in an animal model. Haider B, et al. **Circulation** 53(1):115–22, Jan 76
Transient transmural reduction of myocardial blood flow demonstrated by thallium-201 scintigraphy, as a cause of variant angina. Maseri A, et al. **Circulation** 54(2):280–8, Aug 76
Cardioversion and 'false positive' technetium-99m stannous pyrophosphate myocardial scintigrams. Pugh BR, et al. **Circulation** 54(3):399–403, Sep 76
Radionuclide imaging of myocardial ischemia and infarction. Discussion. Willerson JT. **Circulation** 53(3 Suppl 1):128–9, Mar 76
Dual radionuclide study of myocardial infarction. Relationships between myocardial uptake of potassium-43, technetium-99m stannous pyrophosphate, regional myocardial blood flow and creatine phosphokinase depletion. Zaret B, et al. **Circulation** 53(3):422–8, Mar 76
Quantitative relationships between potassium-43 imaging and left ventricular cineangiography following myocardial infarction in man. Zaret BL, et al. **Circulation** 52(6):1076–85, Dec 75
Bone scans in the early detection of cancer. Yeh SD. **Clin Bull** 5(1):11–9, 1975
Osteoid-osteoma of the spine with localization aided by 99 mTc-polyphosphate bone scan. Case report. Gore DR, et

al. **Clin Orthop** (113):132–4, Nov–Dec 75

Scintillography in children's lung diseases. Some clinical observations. Schmidt BJ, et al. **Clin Pediatr (Phila)** 15(9):845–8, Sep 76

Letter: Measurement of liver size in children. Spencer RP. **Clin Pediatr (Phila)** 14(10):899, Oct 75

131I Rose Bengal scanning and clearance ratios in the investigation of jaundiced patients. Davies ER, et al. **Clin Radiol** 27(2):227–35, Apr 76

The scintigraphic findings in Paget's disease of bone. Lentle BC, et al. **Clin Radiol** 27(1):129–35, Jan 76

Sequential liver and biliary tract scanning with 131I labelled Rose Bengal. Verow PW, et al. **Clin Radiol** 26(4):499–504, Oct 75

Noninvasive radionuclide imaging in the patient with cardiovascular disease. Berger HJ, et al. **Conn Med** 40(8):511–5, Aug 76

Unusual scan presentations of splenic rupture. Spencer RP, et al. **Conn Med** 40(7):456–7, Jul 76

Evaluation of 'emergency' nuclear medicine procedures. Witek JT, et al. **Conn Med** 39(7):409–10, Jul 75

Gallium–67 citrate scanning in malignant lymphoma. Henkin RE. **CRC Crit Rev Clin Radiol Nucl Med** 7(1):65–96, Nov 75 (43 ref.)

The abnormal brain scan: specificity of descriptive parameters. Patton DD. **CRC Crit Rev Clin Radiol Nucl Med** 7(4):339–425, May 76

Pediatric nuclear medicine. Handmaker H, et al. **Curr Probl Pediatr** 6(2):3–55, Dec 75 (194 ref.)

Assessment of peripheral vascular disease in patients with diabetes. Two case studies. Rhodes BA, et al. **Diabetes** 25(4):307–14, Apr 76

Bone scanning in carcinomas of the colon and rectum. Antoniades J, et al. **Dis Colon Rectum** 19(2):139–43, Mar 76

Comparison between the results of the 131I—rose bengal functional examination and the scintigraphia in patients with liver diseases. Zaharieva Z, et al. **Folia Med (Plovdiv)** 16(5–6):309–18, 1974

Gastroesophageal (GE) scintiscanning to detect and quantitate GE reflux. Fisher RS, et al. **Gastroenterology** 70(3):301–8, Mar 76

The abnormal hepatic scan of chronic liver disease: its relationship to hepatic hemodynamics and colloid extraction. Horisawa M, et al. **Gastroenterology** 71(2):210–3, Aug 76

Radioisotopes used in ORL diagnosis. Andreevski A, et al. **God Zb Med Fak Skopje** 20:215–21, 1974

Evaluation and dosimetry of a 99mTc-Sn-MAA lung imaging agent in humans. Robbins PJ, et al. **Health Phys** 30(2):173–8, Feb 76

Bone scans with fluorine-18 in diagnosing osteonecrosis in divers. pp. 171–6. Gorten RJ, et al. **In: Beckman EL, Elliott DH, ed. Dysbarism-related osteonecrosis. Washington, US Department of Health Education and Welfare, 1974. WE 200 S99d 1972.** (8 ref.)

Refocussing of T1-201 myocardium scintigrams using a Fridman deconvolution filter. pp. 273–4. Graaf CN, et al. **In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.**

Computerized EKG-gated radionuclide angiocardiography: a non-invasive method for determining left ventricular volumes and focal myocardial dyskinesia. pp. 137–41. Green MV, et al. **In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.**

The diagnosis of pulmonary embolism: a comparison between lung perfusion scans and pulmonary angiograms. pp. 123–6. Bell WR. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

125I-fibrinogen leg scanning. pp. 77–99. Gallus AS. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.** (72 ref.)

Radionuclide scanning techniques in renal hypertension. pp. 137–8. Miale A Jr. **In: Gordon MS, ed. Self-assessment in clinical cardiology. Chicago, Year Book Medical Publishers, 1974. WG 100 T253s 1974.**

Comparison of caesium scintiscanning with grey-scale echography in the investigation of solitary, non-functioning thyroid nodules. pp. 207–12. Crocker EF, et al. **In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.**

Blood flow shunt and dual blood supply of liver studied with scintillation camera coupled with computer and digital color analyzer. pp. 8–9. Ueda H. **In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 161d 1974.**

Study of liver lymph dynamics using gamma camera lymphoscintigraphy with 198 Au. A preliminary report. pp. 163–6. Van Waes L, et al. **In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 161d 1974.**

An evaluation of isotopic methods of investigation for hypertension in the young. Chhetri MK, et al. **Indian Heart J** 27(3):180–5, Jul 75

Lung scan in diagnosis (a preliminary study). Ray D. **Indian J Chest Dis** 17(3):113–8, Jul 75

Lung scanning and pulmonary angiography in respiratory diseases. Viswanathan R. **Indian J Chest Dis** 17(3):124–31, Jul 75

Studies with radioactive iodine labelled oestrogens as prostate scanning agents. Ghanadian R, et al. **Int J Appl Radiat Isot** 26(6–7):343–6, Jun–Jul 75

Thyroid vascularity and trapping function: analysis of very early thyroidal technetium'uptake' Armstrong DI, et al. **Int J Nucl Med Biol** 3(2):65–70, Apr 76

The effect of aluminum and pH on altered body distribution of 99mTc-EHDP. Chaudhuri TK. **Int J Nucl Med Biol** 3(1):37, Jan 76

Rapid and reliable preparation of macroaggregated albumin suitable for lung scintigraphy. Colombetti LG, et al. **Int J Nucl Med Biol** 2(4):180–4, Oct 75

Usefulness of liver counts in diagnosis of hyperthyroidism. Desai KB, et al. **Int J Nucl Med Biol** 3(2):71–3, Apr 76

Long-lived radionuclide impurities in eluates from molybdenum-technetium generators and the associated absorbed dose to the patient. Finck R, et al. **Int J Nucl Med Biol** 3(2):89–97, Apr 76

Correlation between isotopic scanning and pancreatic function tests in the diagnosis of pancreatic diseases: image and digital computer techniques. Frühling J, et al. **Int J Nucl Med Biol** 2(4):145–52, Oct 75

99mTc-DTPA in cerebral scanning. Jenkinson IS, et al. **Int J Nucl Med Biol** 2(4):175–8, Oct 75

Myocardial perfusion defects in ischemic heart disease visualized by semiselective 133Xe injections: correlations with left ventricular angiography. Korhola O, et al. **Int J Nucl Med Biol** 3(1):43–5, Jan 76

Estimation of thyroid weight by scintigraphy. Mandart G, et al. **Int J Nucl Med Biol** 2(4):185–8, Oct 75

Head scintigraphy with krypton-81m. Mayron LW, et al. **Int J Nucl Med Biol** 3(1):35–6, Jan 76

An alternate approach to the preparation of 99mTc-sulfur colloid. Noronha OP, et al. **Int J Nucl Med Biol** 2(4):184–5, Oct 75

Letter: Evaluation of antimony-117 for tumor imaging. Robbins PJ, et al. **Int J Nucl Med Biol** 3(1):56–7, Jan 76

Pancreatic intracellular pH: feasibility of pancreas scanning by indicator partition. Russell CD, et al. **Int J Nucl Med Biol** 3(2):77–80, Apr 76

Radionuclidic explorations in ophthalmology. Safi N, et al. **Int J Nucl Med Biol** 2(4):166–73, Oct 75

Uptake and excretion of 61Cu and 64Cu-myambutol by the liver. Experimental studies in rats and possibilities of a functional liver test in humans. Schumacher J, et al. **Int J Nucl Med Biol** 3(2):83–6, Apr 76

Uptake and scintiscanning of the prostate with 131I-labeled estradiol phosphate. Shida K, et al. **Int J Nucl Med Biol** 3(2):86–9, Apr 76

99mTc-pyridoxylideneglutamate kit: a rapid cholescintigraphic agent. Trumper Y, et al. **Int J Nucl Med Biol** 3(1):45–8, Jan 76

Dynamic studies with radionuclides. Lopez-Majano V. **Int Surg** 61(6–7):350–6, Jun–Jul 76

An analysis of factors which influence the local accumulation of bone-seeking radiopharmaceuticals. Garnett ES, et al. **Invest Radiol** 10(6):564–8, Nov–Dec 75

A new approach to evaluating hepatic blood flow in the presence of intrahepatic portal systemic shunting. Gross G, et al. **Invest Radiol** 11(2):146–9, Mar–Apr 76

Gallium-67 citrate in cerebral infarction. Poulose KP, et al. **Invest Radiol** 11(1):20–3, Jan–Feb 76

Considerations of 201T1 as a myocardial radionuclide imaging agent in man. Schelbert HR, et al. **Invest Radiol** 11(3):163–71, May–Jun 76

Radionuclide imaging of intestinal infarction in dogs. Schimmel DH, et al. **Invest Radiol** 11(4):277–81, Jul–Aug 76

Some cogent observations on amoebic hepatopathies using radioactive rose bengal. Sharma BN, et al. **J Assoc Physicians India** 23(8):485–92, Aug 75

Strontium 87mSr bone scanning for the evaluation of total hip replacement. Feith R, et al. **J Bone Joint Surg [Br]** 58(1):79–83, Feb 76

The pathological basis for skeletal scintigraphy. Galasko CS. **J Bone Joint Surg [Br]** 57(3):353–9, Aug 75

Pulmonary embolic disease: the roles of angiography and lung scanning in diagnosis. Jackson DC, et al. **J Can Assoc Radiol** 26(2):139–44, Jun 75

Gallium-67 citrate scintiscanning in testicular neoplasia. Jackson FI, et al. **J Can Assoc Radiol** 27(2):84–8, Jun 76

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **J Can Assoc Radiol** 27(2):89–91, Jun 76

Polyphosphate bone scanning of non-malignant bone disease in children. Paul DJ, et al. **J Can Assoc Radiol** 26(4):285–90, Dec 75

Pathophysiology of technetium-99m stannous pyrophosphate and thallium-201 scintigraphy of acute anterior myocardial infarcts in dogs. Buja LM, et al. **J Clin Invest** 57(6):1508–22, Jun 76

Proceedings: An approach to early adrenal visualization in Conn's and Cushing's syndromes. Britton KE, et al. **J Endocrinol** 68(3):40P, Mar 76

Radionuclide angiocardiography. Nikolaidis D. **J Maine Med Assoc** 66(8):197–203, Aug 75

Bone scanning. Larose JH, et al. **J Med Assoc Ga** 64(12):465–6, Dec 75

Scimitar syndrome—report of a case with lung scanning study. Thisyakorn C. **J Med Assoc Thai** 59(1):30–5, Jan 76

Tissue distribution of technetium-99m and carbon-14 labeled N-(2,6-dimethylphenylcarbamoylmethyl)iminodiacetic acid. Callery PS, et al. **J Med Chem** 19(7):962–4, Jul 76

Relationship of molecular structure to in vivo scintigraphic distribution patterns of carbon-11 labeled compounds. 3. (11C)Hydantoins. Winstead MB, et al. **J Med Chem** 19(2):279–86, Feb 76

Myocardial scanning in coronary artery disease. Markov AK, et al. **J Miss State Med Assoc** 17(3):61–6, Mar 76

Proceedings: Further experience with EMI scanning in paediatric neurosurgery. Grant N. **J Neurol Neurosurg Psychiatry** 38(8):823–4, Aug 75

Abnormal dynamic scintigraphy in hydrocephalus: a proposed mechanism. Raskin MM, et al. **J Neurol Neurosurg Psychiatry** 39(5):424–8, May 76

Radiosotope evaluation of experimental hydrosyringomyelia. Hall PV, et al. **J Neurosurg** 45(2):181–7, Aug 76

Clinical radiosotope investigations in hydrosyringomyelia and myelodysplasia. Hall PV, et al. **J Neurosurg** 45(2):188–94, Aug 76

Radionuclide cisternographic evaluation and follow-up of posttraumatic subconjunctival CSF loculation. Case report. McLennan JE, et al. **J Neurosurg** 44(4):496–9, Apr 76

Some characteristic findings of isotope cisternograms in children. Maki Y, et al. **J Neurosurg** 45(1):56–9, Jul 76

Evaluation of postcraniotomy patients by radionuclide scan. Waxman AD, et al. **J Neurosurg** 43(4):471–5, Oct 75

Hemispheric brain scan contribution to ischemic cerebral disorders. Blandino G. **J Neurosurg Sci** 19(1–2):29–34, Jan–Jun 75

The value of brain scanning in the diagnosis of recurrences of brain tumours. Gaini SM, et al. **J Neurosurg Sci** 18(2):112–9, Apr–Jun 74

Hepatic scintigraphic defect in viral hepatitis. Bergmann P, et al. **J Nucl Biol Med** 19(3):162–3, Jul–Sep 75

131I-19-iodocholesterol visualization of an adrenal carcinoma without clinical manifestations. Bossuyt A, et al. **J Nucl Biol Med** 19(4):225–7, Oct–Dec 75

Comparison between isotope angiocardiopneumography and perfusion scintigraphy in the study of diseases of the respiratory tract. Carratù L, et al. **J Nucl Biol Med** 19(4):195–204, Oct–Dec 75

Focal and generalized hepatic lesions: a comparison of liver scans with anatomic and histologic findings. Ferlin G. **J Nucl Biol Med** 19(3):135–44, Jul–Sep 75

Mechanism of 99mTc sulfur colloid accumulation in canine renal allografts during hyperacute rejection. George EA, et al. **J Nucl Biol Med** 19(4):213–9, Oct–Dec 75

Letter: Radioactive tracer studies of the heart and circulation. Adelstein SJ, et al. **J Nucl Med** 16(10):959–60, Oct 75

Rat model for acute myocardial infarction: application to technetium-labeled glucoheptonate, tetracycline, and polyphosphate. Adler N, et al. **J Nucl Med** 17(3):203–7, Mar 76

Value of routine cerebral radionuclide angiography in pediatric brain imaging. Alderson PO, et al. **J Nucl Med** 17(9):780–5, Sep 76

Comparison of 99mTc complexes for renal imaging. Arnold RW, et al. **J Nucl Med** 16(5):357–67, May 75

Functioning metastases in liver from thyroid carcinoma: case report. Atmaram SH, et al. **J Nucl Med** 16(10):919–21, Oct 75

Bone accumulation of 99mTc-labeled leucocytes. Bagwe BA, et al. **J Nucl Med** 17(4):313–6, Apr 76

Significance of radiocontaminants in 123I for dosimetry and scintillation camera imaging. Baker GA, et al. **J Nucl Med** 17(8):740–3, Aug 76

Technetium 99m-pyridoxylideneglutamate: a new hepatobiliary radiopharmaceutical. I. Experimental aspects. Baker RJ, et al. **J Nucl Med** 16(8):720–7, Aug 75

An unusual cause of 'doughnut' sign in brain scanning. Beauchamp JM, et al. **J Nucl Med** 16(5):432–3, May 75

Salivary gland uptake of 67Ga-citrate following radiation therapy. Bekerman C, et al. **J Nucl Med** 17(8):685–7, Aug 76

Gallium uptake in benign tumor of liver: case report. Belanger MA, et al. **J Nucl Med** 16(6):470–1, Jun 75

Specificity of 99mTc-pertechnetate in scintigraphic diagnosis of Meckel's diverticulum: review of 100 cases. Berquist TH, et al. **J Nucl Med** 17(6):465–9, Jun 76

Radiation dosimetry of 204Bi- and 206Bi-citrates. Bigler RE, et al. **J Nucl Med** 17(4):301–4, Apr 76

Improved diagnosis of 'nondelineated' thyroid nodules by oblique scintillation scanning and echography. Blum M, et al. **J Nucl Med** 16(8):713–5, Aug 75

Dosimetry of several DTPA radiopharmaceuticals in cisternography. Brookeman VA, et al. **J Nucl Med** 16(12):1177–82, Dec 75

A comparison of 82Rb+ and 13NH3 for myocardial positron scintigraphy. Budinger TF, et al. **J Nucl Med** 16(5):429–31, May 75

Soft-tissue concentration of 99mTc-phosphates associated with injections of iron dextran complex. Byun HH, et al. **J Nucl Med** 17(5):374–5, May 76

Tumor model studies of 131I-tetracycline and other compounds. Chauncey DM, et al. **J Nucl Med** 17(4):274–81, Apr 76

Dynamic studies with 99mTc-HEDP in normal subjects and in patients with bone tumors. Citrin DL, et al. **J Nucl Med** 16(10):886–90, Oct 75

Effectiveness of direct and indirect radionuclide cystography in detecting vesicoureteral reflux. Conway JJ, et al. **J Nucl Med** 17(02):81–3, Feb 76

Thallium-201 for myocardial imaging: appearance of the normal heart. Cook DJ, et al. **J Nucl Med** 17(7):583–9,

Jul 76

Body-background defects with 99mTc-DTPA after renal transplantation: case reports. Corcoran RJ, et al. **J Nucl Med** 17(8):696–8, Aug 76

Production of cerebrospinal fluid leak artifact by residual 99mTc-pertechnetate. Cowan RJ, et al. **J Nucl Med** 16(5):434, May 75

Unilateral ventricular reflux: case report. Deisenhammer E, et al. **J Nucl Med** 16(8):716–7, Aug 75

Usefulness of brain scans in metastatic carcinoma of the lung. Delaney JF, et al. **J Nucl Med** 17(5):406–7, May 76

Diagnosis of cirrhosis and hepatitis by quantitative hepatic and other reticuloendothelial clearance rates. DeNardo SJ, et al. **J Nucl Med** 17(6):449–59, Jun 76

Mechanism of localization of 99mTc-labeled pyrophosphate and tetracycline in infarcted myocardium. Dewanjee MK, et al. **J Nucl Med** 17(7):639–46, Jul 76

Abnormal spleen scan following MOPP therapy in a patient with Hodgkin's disease: case report. Dickerman JD, et al. **J Nucl Med** 16(6):457–8, Jun 75

Scintigraphic criteria for hepatic metastases from cancer of the colon and breast. Drum DE, et al. **J Nucl Med** 17(8):677–80, Aug 76

Chemical and biologic properties of isolated radiolabeled bleomycin preparations. Eckelman WC, et al. **J Nucl Med** 16(11):1033–7, Nov 75

Iodinated bleomycin: an unsatisfactory radiopharmaceutical for tumor localization. Eckelman WC, et al. **J Nucl Med** 17(5):385–8, May 76

Letter: Differential diagnosis of brain lesions with 99mTc-labeled pharmaceuticals. Ell PJ, et al. **J Nucl Med** 17(3):224–5, Mar 76

Letter: Technetium-99m-HEDP concentration in calcified myoma. Ell PJ, et al. **J Nucl Med** 17(4):323–4, Apr 76

Acute pulmonary embolus associated with transient ventilatory defect: Case report. Epstein J, et al. **J Nucl Med** 16(11):1017–20, Nov 75

Dosimetry of four heart-imaging radionuclides: 43K, 81Rb, 129Cs, and 201Ti. Feller PA, et al. **J Nucl Med** 16(11):1070–5, Nov 75

Improved brain scan specificity utilizing 99mTc-pertechnetate and 99mTc(Sn)-diphosphonate. Fischer KC, et al. **J Nucl Med** 16(8):705–8, Aug 75

Technetium-99m-sulfur colloid and pertechnetate blood pool scans in hepatic veno-occlusive disease: case report. Fitzer PM. **J Nucl Med** 16(12):1130–1, Dec 75

Abnormal radionuclide angiogram in proven intracranial fibromuscular dysplasia: case report. Fitzer PM, et al. **J Nucl Med** 17(3):190–2, Mar 76

Radiopharmaceuticals. XIX. 11C-labeled octylamine, a potential diagnostic agent for lung structure and function. Fowler JS, et al. **J Nucl Med** 17(3):752–4, Aug 76

Use of 99mTc-sulfur colloid in evaluation of renal transplant complications. Frick MP, et al. **J Nucl Med** 17(3):181–3, Mar 76

Letter: Radiozinc as a scintigraphic agent for the human prostate. Frünling J, et al. **J Nucl Med** 16(6):495–7, Jun 75

Relative accretion of 99mTc-polyphosphate by forming and resorbing bone systems in rats: its significance in the pathologic basis of bone scanning. Garcia DA, et al. **J Nucl Med** 17(02):93–7, Feb 76

Epidermoid cyst of the spleen: case report. Garfunkel F. **J Nucl Med** 17(3):196–9, Mar 76

Ovarian carcinoma imaged by 99mTc-pyrophosphate: case report. Gates GF. **J Nucl Med** 17(1):29–30, Jan 76

Comparative evaluation of renal transplant rejection with radioiodinated fibrinogen 99mTc-sulfur collid, and 67Ga-citrate. George EA, et al. **J Nucl Med** 17(3):175–80, Mar 76

Letter: Accuracy of liver scintiscanning. Gillespie PJ, et al. **J Nucl Med** 16(12):1204, Dec 75

Bone marrow imaging using 111In-citrate: 111In-kinetics in the pelvic region. Glaubitt DM, et al. **J Nucl Med** 16(8):769–74, Aug 75

Radionuclide bone-scan abnormalities in leprosy: case reports Goergen TG, et al. **J Nucl Med** 17(9):788–90, Sep 76

Augmented radioactivity on bone scans of limbs bearing osteosarcomas. Goldman AB, et al. **J Nucl Med** 16(5):423–4, May 75

Splenic accumulation of 99mTc-diphosphonate in a patient with sickle cell disease: case report. Goy W, et al. **J Nucl Med** 17(02):108–9, Feb 76

Lymphangitic carcinomatosis: lung scan abnormalities. Green N, et al. **J Nucl Med** 17(4):258–60, Apr 76

Serial bone-scan changes in recurrent bone infarction. Greyson ND, et al. **J Nucl Med** 17(3):184–6, Mar 76

Splenogonadal fusion–a rare congenital anomaly demonstrated by 99Tc-sulfur colloid imaging: case report. Guarin U, et al. **J Nucl Med** 16(10):922–4, Oct 75

Gallbladder visualization in adrenal scanning: case report. Harbert JC, et al. **J Nucl Med** 17(1):33–5, Jan 76

Letter: Focal renal activity in bone scans. Harbert JC. **J Nucl Med** 17(5):426–7, May 76

Circulation clearance rate of radioiodine during fibrinogen uptake tests. Hardy JG, et al. **J Nucl Med** 17(4):282–4, Apr 76

Gallium-67 uptake by a malignant fibrous histiocytoma: case report. Harrowe DJ, et al. **J Nucl Med** 17(7):630–2, Jul 76

Highly iodinated fibrinogen: a new thrombus-localizing agent. Harwig JF, et al. **J Nucl Med** 16(8):756–63, Aug 75

Preparation and use of 123I-labeled highly iodinated fibrinogen for imaging deep-vein thrombi. Harwig JF, et al. **J Nucl Med** 17(5):397–400, May 76

In vivo behavior of 99mTc-fibrinogen and its potential as a thrombus-imaging agent. Harwig SS, et al. **J Nucl Med** 17(1):40–6, Jan 76

Posterior fossa scintiangiography: documentation of genetic penetrance of von Hippel-Lindau syndrome in a clinically unaffected girl and her father. Hattner RS. **J Nucl Med** 16(9):828–30, Sep 75

Letter: Pleural oligemia seen in bone scanning. Hauser M, et al. **J Nucl Med** 17(9):851–2, Sep 76

Carboxyl-labeled 11C-1-aminocyclopentanecarboxylic acid, a potential agent for cancer detection. Hayes RL, et al. **J Nucl Med** 17(8):748–51, Aug 76

Cervical venous reflux in dynamic brain scintigraphy. Hayt DB, et al. **J Nucl Med** 17(1):9–12, Jan 76

Letter: Jugular vein reflux. Hayt DB, et al. **J Nucl Med** 17(3):225, Mar 76

Comparison of 18F and 99mTc-polyphosphate in orthopedic bone scintigraphy. Heerfordt J, et al. **J Nucl Med** 17(02):98–103, Feb 76

Evaluation of cold areas on the thyroid scan with 67Ga-citrate. Heidendal GA, et al. **J Nucl Med** 16(8):793–4, Aug 75

Letter: Radiotherapy-induced liver scan defects. Herbst KD, et al. **J Nucl Med** 17(5):424–5, May 76

Inconsistent images of thyroid nodule scintigrams made with iodine and pertechnetate: case report. Hirabayashi S, et al. **J Nucl Med** 16(10):918, Oct 75

The Gamut approach to scintigram interpretation—diagnostic aid and teaching method. Holder LE, et al. **J Nucl Med** 16(12):1121–4, Dec 75

Time course of 99mTc(Sn)-tetracycline uptake in experimental acute myocardial infarction. Holman BL, et al. **J Nucl Med** 16(12):1144–6, Dec 75

Double-labeling of experimental acute myocardial infarcts with 113mIn- and 99mTc-EDTMP. Holman BL, et al. **J Nucl Med** 17(6):508–11, Jun 76

Glycopyrrolate in 99mTc-pertechnetate brain imaging. Holmes RA, et al. **J Nucl Med** 16(9):819–21, Sep 75

Early 67Ga scintigraphy for the localization of abnominal abscesses. Hopkins GB, et al. **J Nucl Med** 16(11):990–2, Nov 75

Letter: Breast scintigraphy with 99mTc-pertechnetate and 67Ga-citrate. Hör G, et al. **J Nucl Med** 17(3):223, Mar 76

The assay of iodine-123. Hudson FR, et al. **J Nucl Med** 17(3):220–2, Mar 76

Concentration of dopamine analogs in the adrenal medulla. Ice RD, et al. **J Nucl Med** 16(12):1147–51, Dec 75

New preparation method for 99mTc-phytate. Ikeda I, et al. **J Nucl Med** 17(5):389–93, May 76

Letter: Behavior of 99mTc-labeled diphonate on Sephadex and Bio-gel. Johannsen B. **J Nucl Med** 16(11):1087–9, Nov 75

Encasement of the spleen: case report. Johnson PM, et al. **J Nucl Med** 16(8):718–9, Aug 75

Persistent dural cerebrospinal fluid leak shown by retrograde radionuclide myelography: case report. Kadrie H, et al. **J Nucl Med** 17(9):797–9, Sep 76

Routine renal imaging after 99mTc-glucoheptonate brain scans. Kahn PC, et al. **J Nucl Med** 17(9):786–7, Sep 76

Identification of an infected pseudocyst of the pancreas with 67Ga-citrate: case report. Kennedy TD, et al. **J Nucl Med** 16(12):1132–4, Dec 75

Effects of prior administration of Sn(II) complexes on in vivo distribution of 99mTc-pertechnetate. Khentigan A, et al. **J Nucl Med** 17(5):380–4, May 76

Radionuclide cerebral angiographic evaluation of a diploic extracranial meningioma: case report. Klein EW, et al. **J Nucl Med** 16(9):833–4, Sep 75

Factors affecting the uptake of 99mTc-sulfur colloid by the lung and kidney. Klingensmith WC 3d, et al. **J Nucl Med** 17(8):681–4, Aug 76

Kinetics of 111In-bleomycin and 111 In-chlorides in mice. Konikowski T, et al. **J Nucl Med** 16(8):738–43, Aug 75

Thyroid scanning with gallium-67 and cesium-131. Koutras DA, et al. **J Nucl Med** 17(4):268–71, Apr 76

Letter: Lung retention of 99mTc-sulfur colloid. Kristensen K, et al. **J Nucl Med** 16(5):439–41, May 75

Technetium-99m-pyridoxylideneglutamate, a new agent for gallbladder imaging: comparison with 131I-rose bengal. Kubota H, et al. **J Nucl Med** 17(1):36–9, Jan 76

Letter: Asymptomatic superior vena cava obstruction. Kumar B, et al. **J Nucl Med** 17(9):853–4, Sep 76

In vivo assessment of liver size in the rat. Leach KG, et al. **J Nucl Med** 16(5):380–5, May 75

The effect of contrast lymphangiography on localization of 67Ga-citrate. Lentle BC, et al. **J Nucl Med** 16(5):374–6, May 75

Letter: Myocardial localization of 99mTc-pyrophosphate. Lentle BC, et al. **J Nucl Med** 17(9):852–3, Sep 76

Gallium-67-citrate scanning in primary cancer of the liver: diagnostic value in the presence of cirrhosis and relation to alpha-fetoprotein. Levin J, et al. **J Nucl Med** 16(10):949–51, Oct 75

Development of new radiopharmaceuticals based on N-substitution of iminodiacetic acid. Loberg MD, et al. **J Nucl Med** 17(7):633–8, Jul 76

Accumulation of 99mTc-polyphosphate in two squamous cell carcinomas of the lung: Case report. Lowenthal IS, et al. **J Nucl Med** 16(11):1021–3, Nov 75

99MTc-diphosphonate bone imaging and uptake in healing rat extraction sockets. Lurie AG, et al. **J Nucl Med** 17(8):688–92, Aug 76

Stasis of 111In-DTPA in the posterior fossa in patients with cerebellar degeneration. Lusins J. **J Nucl Med** 17(5):349–51, May 76

Focal porta hepatis scintiscan defects: What is their significance? McClelland RR. **J Nucl Med** 16(11):1007–12, Nov 75

Focally increased activity on scinticisternography: report of two cases. McClelland RR. **J Nucl Med** 17(7):626–9, Jul 76

Positive 18F bone scan in a case of osteoid osteoma: case report. McCombs RK, et al. **J Nucl Med** 16(6):465–6, Jun 75

Measures of clinical efficacy. III. The value of the lung scan in the evaluation of young patients with pleuritic chest pain. McNeil BJ, et al. **J Nucl Med** 17(3):163–9, Mar 76

Determining the value of diagnostic and screening tests. McNeil BJ, et al. **J Nucl Med** 17(6):439–48, Jun 76

Chemistry of 99mTc tracers. II. In vitro conversion of tagged HEDP and pyrophosphate (bone-seekers) into gluconate (renal agent). Effects of Ca and Fe (ii) on in vivo distribution. McRae J, et al. **J Nucl Med** 17(3):208–11, Mar 76

Infusion cisternography. Magnaes B, et al. **J Nucl Med** 17(1):65–7, Jan 76

Liver-spleen scintiscan in kala-azar: case report. Maniot AL. **J Nucl Med** 16(12):1128–9, Dec 75

Osteoblastomas of the axial skeleton shown by skeletal scanning: case report. Martin NL, et al. **J Nucl Med** 17(3):187–9, Mar 76

Evaluation of the posterior flow study in brain scintigraphy. Martin TR, et al. **J Nucl Med** 17(1):13–6, Jan 76

Letter: Uptake of 67Ga in space-occupying lesions in the liver. Maze M, et al. **J Nucl Med** 16(5):443–4, May 75

Liver scan in Budd-Chiari syndrome. Meindok H, et al. **J Nucl Med** 17(5):365–8, May 76

Phagocytic capability of the kidney: a possible mechanism for renal uptake of colloid in liver-spleen scanning. Mikhael MA, et al. **J Nucl Med** 16(8):709–12, Aug 75

Unreliability of combined pneumoencephalography and scinticisternography. Milhorat TH, et al. **J Nuci Med** 17(1):54–6, Jan 76

Letter: False-positive chemodectomas. Moinuddin M, et al. **J Nucl Med** 17(3):225–6, Mar 76

Tumor imaging after administration of 99mTc-labeled bleomycin. Mori T, et al. **J Nucl Med** 16(5):414–22, May 75

Lung scintigraphy with 51Cr-erythrocytes in Goodpasture's syndrome: case report. Morita R, et al. **J Nucl Med** 17(8):702–3, Aug 76

Letter: Pseudotumors in acute hepatitis. Myerson PJ. **J Nucl Med** 16(8):799–80, Aug 75

Sodium trimetaphosphate as a bone-imaging agent. I. Animal studies. Nelson MF, et al. **J Nucl Med** 16(11):1043–8, Nov 75

Letter: Appearance of filarial infestations on a bone scan. Oster Z. **J Nucl Med** 17(5):425–6, May 76

Analysis of liver scanning in a general hospital. Oster ZH, et al. **J Nucl Med** 16(6):450–3, Jun 75

Possible enhancement of 67Ga-citrate imaging by iron dextran. Oster ZH, et al. **J Nucl Med** 17(5):356–8, May 76

Acute myocardial infarction imaged with 99mTc-stannous pyrophosphate and 201Tl: a clinical evaluation Parkey RW, et al. **J Nucl Med** 17(9):771–9, Sep 76

Adenocarcinoma of the lung with marked uptake of 99mTc-pertechnetate: case report. Patton DD, et al. **J Nucl Med** 17(02):116–8, Feb 76

'EAR' artifact in brain scans. Patton DD, et al. **J Nucl Med** 17(4):305–6, Apr 76

Localization of myocardial disorders other than infarction with 99mTc-labeled phosphate agents. Perez LA, et al. **J Nucl Med** 17(4):241–6, Apr 76

Labeling and testing of 99mTc-streptokinase for the diagnosis of deep vein thrombosis. Persson BR, et al. **J Nucl Med** 16(6):474–7, Jun 75

The effect of carrier technetium in the preparation of 99mTc-human serum albumin. Porter WC, et al. **J Nucl Med** 17(8):704–6, Aug 76

Scintigraphy in a case of pseudocyst of liver: case report. Poshyachinda M, et al. **J Nucl Med** 16(9):825–7, Sep 75

Effect of unilateral pulmonary hypovascularity on the bone scan: case report. Preisman R, et al. **J Nucl Med** 17(1):27–8, Jan 76

Some experience with 57Co-labeled bleomycin as a tumor-seeking agent. Rasker JJ, et al. **J Nucl Med** 16(11):1058–69, Nov 75

Letter: Metastatic calcification and bone scanning. Richards AG. **J Nucl Med** 16(11):1087, Nov 75

Usefulness of gallium scintigraphy in primary and metastatic breast carcinoma. Richman SD, et al. **J Nucl Med** 16(11):996–1001, Nov 75

Pre- and postoperative myocardial and blood pool scans in a case of left ventricular aneurysm: Case report. Rigo P, et al. **J Nucl Med** 16(11):1024–6, Nov 75

Scintigraphic appearance of bifrontal epidural hematoma: case report. Rockett J, et al. **J Nucl Med** 16(10):908–9, Oct 75

Intracerebral hemorrhage demonstrated by nuclear cerebral angiogram: case report. Rockett JF, et al. **J Nucl Med** 16(6):459–61, Jun 75

Vertebral artery fistula detected by radionuclide angiography: case report. Rockett JF, et al. **J Nucl Med** 17(1):24–5, Jan 76

Technetium-99m-pyridoxylideneglutamate: a new hepatobiliary radiopharmaceutical. II. Clinical aspects. Ronai PM, et al. **J Nucl Med** 16(8):728–37, Aug 75

Accumulation of 99mTc-glucoheptonate in acutely infarcted myocardium. Rossman DJ, et al. **J Nucl Med** 16(10):875–8, Oct 75

Detection and size estimation of acute myocardial infarction using 99Tc-glucoheptonate. Rossman DJ, et al. **J Nucl Med** 16(11):980–5, Nov 75

Demonstration of a chemodectoma by perfusion scanning: case report. Russell CD, et al. **J Nucl Med** 16(6):472–3, Jun 75

Arteriographically confirmed focal defect in colloid spleen scan with no gross pathologic lesion: case report. Russell CD, et al. **J Nucl Med** 17(5):376–7, May 76

Unusual bone-scan findings in acute osteomyelitis: case report. Russin LD, et al. **J Nucl Med** 17(7):617–9, Jul 76

Visualization of nonvascular cranial tumor in cerebral flow study: case report. Ryo UY, et al. **J Nucl Med** 16(6):462–4, Jun 75

Radionuclide venography: significance of delayed washout; visualization of the saphenous system. Ryo UY, et al. **J Nucl Med** 17(7):590–5, Jul 76

Letter: Liver-spleen scan in sickle cell anemia. Samuel AM, et al. **J Nucl Med** 17(9):851, Sep 76

A new and superior adrenal scanning agent, NP-59. Sarkar SD, et al. **J Nucl Med** 16(11):1038–42, Nov 75

Evaluation of soft-tissue calcifications in dermatomyositis with 99mTc-phosphate compounds: case report. Sarmiento AH, et al. **J Nucl Med** 16(6):467–8, Jun 75

Liver scanning and the intrahepatic gallbladder: Case report. Schulz RC, et al. **J Nucl Med** 16(11):1029–30, Nov 75

Letter: Brain tumor scanning agents. Sear R. **J Nucl Med** 17(5):418–9, May 76

Letter: The pancreas scan is a functional study. Selby JB, et al. **J Nucl Med** 16(11):1090, Nov 75

Radionuclide scintigraphy: a diagnostic aid in delayed traumatic splenic rupture: case report. Shih WJ. **J Nucl Med** 16(10):912–4, Oct 75

Indium-113m perfusion study and the nonfunctioning thyroid nodule. Shih WJ. **J Nucl Med** 16(12):1187–8, Dec 75

Increased localization of 99mTc-pyrophosphate in a bone island: case report. Sickles EA, et al. **J Nucl Med** 17(02):113–5, Feb 76

Accumulation of 99mTc-diphosphonate in malignant pleural effusions: detection and verification. Siegel ME, et al. **J Nucl Med** 16(10):883–5, Oct 75

Causes of abnormalities reported in nuclear medicine testing. Silberstein EB. **J Nucl Med** 17(3):229–32, Mar 76

Basal ganglia scans in the human. Skromne-Kadlubik G, et al. **J Nucl Med** 16(8):787–8, Aug 75

Hepatic artery traumatic aneurysm. Smith W, et al. **J Nucl Med** 16(11):1027–28, Nov 75

Time-dependent image quality using 99mTc-pyrophosphate. Snow RM, et al. **J Nucl Med** 16(10):879–82, Oct 75

Tracer accumulation in a subdural hygroma: case report. So SK, et al. **J Nucl Med** 17(02):119–21, Feb 76

The distended gastric fundus: simulation of a left suprarenal mass. Sorabella PA, et al. **J Nucl Med** 16(10):947–8, Oct 75

Increased 99mTc-polyphosphate muscle uptake in a patient with polymyositis: case report. Spies SM, et al. **J Nucl Med** 16(12):1125–7, Dec 75

Plague and the gallium scan: Case report. Stahly TL, et al. **J Nucl Med** 16(11):1031–2, Nov 75

Alteration of the cerebral bloodflow study due to reflux in internal jugular veins. Steinbach JJ, et al. **J Nucl Med** 17(1):61–4, Jan 76

Abnormal 67Ga-citrate scan of the abdomen in tuberculous peritonitis: case report. Steinbach JJ. **J Nucl Med** 17(4):272–3, Apr 76

Persistent left superior vena cava demonstrated by radionuclide angiocardiography: case report. Stevens JS, et al. **J Nucl Med** 16(6):469, Jun 75

Abnormal radionuclide angiogram in cervical lymphadenitis: case report. Stevens JS, et al. **J Nucl Med** 17(1):26, Jan 76

Measurement of acute myocardial infarcts in dogs with 99mTc-stannous pyrophosphate scintigrams. Stokely EM, et al. **J Nucl Med** 17(1):1–5, Jan 76

Technetium-99m-methylene diphosphonate—a superior agent for skeletal imaging: comparison with other technetium complexes. Subramanian G, et al. **J Nucl Med** 16(8):744–55, Aug 75

Indium-113m-labeled polyfunctional phosphonates as bone-imaging agents. Subramanian G, et al. **J Nucl Med** 16(11):1080–4, Nov 75

Technetium-99m-labeled stannous imidodiphosphate, a new radiodiagnostic agent for bone scanning: comparison with other 99mTc complexes. Subramanian G, et al. **J Nucl Med** 16(12):1137–43, Dec 75

False-positive liver scan in a patient with hepatic amyloidosis: case report. Suzuki K, et al. **J Nucl Med** 17(1):31–2, Jan 76

Significance of absent or faint kidney sign on bone scan. Sy WM, et al. **J Nucl Med** 16(6):454–6, Jun 75

Radionuclide studies in hemangioendotheliomatosis: case report. Sy WM, et al. **J Nucl Med** 16(10):915–7, Oct 75

'Cold' lesions on bone imaging. Sy WM, et al. **J Nucl Med** 16(11):1013–6, Nov 75

Bone scan in mastocytosis: case report. Sy WM, et al. **J Nucl Med** 17(8):699–701, Aug 76

Hepatic artery-portal vein fistula detected on hepatic flow study: case report. Sziklas JJ, et al. **J Nucl Med** 16(10):910–11, Oct 75

Tissue distribution of 203 Pb-acetate: comparison with 67 Ga-citrate as an abscess-localizing agent. Taylor A, et al. **J Nucl Med** 17(9):800–4, Sep 76

Intestinal concentration of 99mTc-pertechnetate into isolated loops of rat bowel. Taylor AT Jr, et al. **J Nucl Med** 17(6):470–2, Jun 76

Diagnosis of hepatic hemangioma using multiple-radionuclide and ultrasound techniques. Taylor RD, et al. **J Nucl Med** 17(5):362–4, May 76

Correlation of neoplasms with incidence and localization of skeletal metastases: An analysis of 1,355 diphosphonate bone scans. Tofe AJ, et al. **J Nucl Med** 16(11):986–9, Nov 75

Letter: Incidence of solitary skull and extremity involvement in whole-body scintigrams. Tofe AJ, et al. **J Nucl Med** 17(8):755–6, Aug 76

In vitro stabilization of a low-tin bone-imaging agent (99mTc-Sn-HEDP) by ascorbic acid. Tofe AJ, et al. **J Nucl Med** (9):820–5, Sep 76

Childhood pelvic osteomyelitis presenting as a 'cold' lesion on bone scan: case report. Trackler RT, et al. **J Nucl Med** 17(7):620–2, Jul 76

Thyroid carcinoma presenting as a pertechnetate 'hot' nodule, but without 131I uptake: case report. Turner JW, et al. **J Nucl Med** 17(1):22–3, Jan 76

Two unusual causes of peripatellar nonmetastatic positive bone scans in patients with malignancies: case reports. Turner JW, et al. **J Nucl Med** 17(8):693–5, Aug 76

Use of 99mTc-labeled albumin microspheres in cerebral vascular disease. Verhas M, et al. **J Nucl Med** 17(3):170–4, Mar 76

Letter: Loculation as a contraindication to intracavitary 32P-chromic phosphate therapy. Vider M, et al. **J Nucl Med** 17(02):150–1, Feb 76

Diagnostic value of renal imaging incidental to bone scintigraphy with 99mTc-phosphate compounds. Vieras F, et al. **J Nucl Med** 16(12):1109–14, Dec 75

Letter: Focal renal activity in bone scans. Vieras F, et al. **J Nucl Med** 17(5):427–9, May 76

Radiation dose to the liver from 201Ti Watson EE, et al. **J Nucl Med** 16(11):1089–90, Nov 75

Technetium-99m-glucoheptonate as a brain-scanning agent: critical comparison with pertechnetate. Waxman AD, et al. **J Nucl Med** 17(5):345–8, May 76

Letter: Brain scanning in metastatic disease. Weiner MJ, et al. **J Nucl Med** 16(10):960–1, Oct 75

Relationship between bone uptake of 99mTc-pyrophosphate and hydroxyproline in blood and urine. Wiegmann T, et al. **J Nucl Med** 17(8):711–4, Aug 76

Relationship of chemical structure and solvent to in vivo scintigraphic distribution patterns of 11C compounds. II. 11C aminonitriles. Winstead MB, et al. **J Nucl Med** 16(11):1049–57, Nov 75

Letter: Focal renal activity in bone scans. Winter PF. **J Nucl Med** 17(5):429–30, May 76

Letter: Cold areas in bone scanning. Winter PF, et al. **J Nucl Med** 17(8):755, Aug 76

Letter: Cellular site of 99mTcO4 secretion in the stomach. Winter PF. **J Nucl Med** 17(8):756–7, Aug 76

Letter: Splenic accumulation of 99mTc-diphosphonate. Winter PF. **J Nucl Med** 17(9):850, Sep 76

Bone scan patterns of patients with diffuse metastatic carcinoma of the axial skeleton. Witherspoon LR, et al. **J Nucl Med** 17(4):253–7, Apr 76

Transient brain scan abnormalities in renal dialysis patients. Wolfstein RS, et al. **J Nucl Med** 17(1):6–8, Jan 76

Liver-heart imaging in evaluating hepatic focal defect. Yeh EL, et al. **J Nucl Med** 16(10):896–8, Oct 75

Diagnosis of posterolateral congenital diaphragmatic (Bochdalek) hernia by liver scintigram: case report. Yeung WC, et al. **J Nucl Med** 17(02):110–2, Feb 76

Lung uptake of 99mTc-sulfur colloid in falciparum malaria: case report. Ziessman HA. **J Nucl Med** 17(9):794–6, Sep 76

Head and brain scan findings in rhinocerebral mucormycosis: case report. Zwas ST, et al. **J Nucl Med** 16(10):925–7, Oct 75

Selective uptake of 99mTc complexes and 67Ga in acutely infarcted myocardium. Zweiman GF, et al. **J Nucl Med** 16(11):975–9, Nov 75

Radionuclide bone scanning in the diagnosis of lesions of the maxillofacial region. Alexander JM. **J Oral Surg** 34(3):249–56, Mar 76

Evaluation of parotid gland masses by rectilinear scanning. Hendra R, et al. **J Oral Surg** 33(11):838–41, Nov 75

Letter: Diagnostic value of scintigraphy of liver in hydatid disease in children. Osorio A, et al. **J Pediatr** 88(2):360–1, Feb 76

Radioactive scanning in diagnosis of acute sacroiliac osteomyelitis. Trauner DA, et al. **J Pediatr** 87(5):751–3, Nov 75

Reversed liver-spleen ratio and the normal liver-spleen scintigram. Harvey WC, et al. **J Reticuloendothel Soc** 19(1):19–27, Jan 76

Investigation of sacroiliac disease: Comparative evaluation of radiological and radionuclide techniques. Russell AS, et al. **J Rheumatol** 2(1):45–51, Mar 75

Liver enlargement demonstrated by scintigraphy in rheumatoid arthritis. Tiger LH, et al. **J Rheumatol** 3(1):15–20, Mar 76

The bone scan in the breast cancer patient. Bell RL. **J Tenn Med Assoc** 68(10):806, Oct 75

Liver scanning. Klobukowski CJ. **J Tenn Med Assoc** 68(9):732–3, Sep 75

Concordance of electrocardiographic and scintigraphic criteria of myocardial injury after cardiac surgery. Klein MS, et al. **J Thorac Cardiovasc Surg** 71(6):934–7, Jun 76

Perfusion lung scan patterns in 100 patients with bronchogenic carcinoma. Macumber HH, et al. **J Thorac Cardiovasc Surg** 72(2):299–302, AUG 76

Use of 133xenon in early diagnosis of inhalation injury. Agee RN, et al. **J Trauma** 16(3):218–24, Mar 76

Gallium-67 scintigraphy for the diagnosis and localization of perinephric abscesses. Hopkins GB, et al. **J Urol** 115(2):126–8, Feb 76

Estimating relative renal function. Secker-Walker RH, et al. **J Urol** 115(6):621–5, Jun 76

Tumor scanning with gallium 67. Andrews GA, et al. **JAMA** 233(10):1100–3, 8 Sep 75

Letter: Brain scan and metastatic tumors. Antunes JL, et al. **JAMA** 234(8):809, 24 Nov 75

Letter: False-positive liver scan following colectomy. Chaudhuri TK. **JAMA** 234(7):705, 17 Nov 75

Diagnosis of Meckel diverticulum by sodium pertechnetate Tc 99m scan. Cooper M. **JAMA** 235(14):1471–2, 5 Apr 76

Gallium citrate Ga 67 scans in febrile patients. Habibian MR, et al. **JAMA** 233(10):1073–6, 8 Sep 75

Technetium Tc 99m macroaggregated albumin lung scans. Use in chronic childhood asthma. Hyde JS, et al. **JAMA** 235(11):1125–30, 15 Mar 76

Limitations of bone scanning in clinical oncology. Loeffler RK, et al. **JAMA** 234(12):1228–32, 22 Dec 75

Screening for bone metastases. Are only scans necessary? McDougall IR, et al. **JAMA** 231(1):46–50, 6 Jan 75

Thyroid scintigram. Sensitivity with sodium pertechnetate Tc 99m and gamma camera with pinhole collimator. Ryo UY, et al. **JAMA** 235(12):1235–8, 22 Mar 76

Letter: Preoperative bone scans. Scarpa FJ. **JAMA** 235(1):23, 5 Jan 76

Letter: Positive liver scan in clonorchiasis. Shih WJ. **JAMA** 236(10):1116, 6 Sep 76

Gallium citrate Ga 67 accumulation in pseudomembranous colitis. Tedesco FJ, et al. **JAMA** 235(1):59–60, 5 Jan 76

Skeletal involvement in secondary syphilis detected by bone scanning. Tight RR, et al. **JAMA** 235(21): 2326, 24 May 76

Evaluation of the significance of scintillation angiocardiography for determination of the left ventricular volume. Hayase S, et al. **Jpn Circ J** 39(8):905–12, Aug 75

Letter: Visualisation of thrombi with technetium-99m urokinase. **Lancet** 2(7985):572–3, 11 Sep 76

Letter: E.M.I. and radioisotope brain imaging. Britton KE, et al. **Lancet** 1(7957):477–8, 28 Feb 76

Letter: E.M.I. and radioisotope brain imaging. Britton KE, et al. **Lancet** 1(7965):904–5, 24 Apr 76

Letter: E.M.I. and radioisotope brain scanning. du Boulay G, et al. **Lancet** 1(7959):583–4, 13 Mar 76

Comparison of E.M.I. and radioisotope imaging in neurological disease. Du Boulay GH, et al. **Lancet** 2(7948):1294–7, 27 Dec 75

Letter: Improved localisation by subtraction of E.M.I. scans. Firth JL, et al. **Lancet** 2(7935):609, 27 Sep 75

Localisation of deep-venous thrombosis using technetium-99m-labelled urokinase. Millar WT, et al. **Lancet** 2(7882):695–6, 21 Sep 74

Letter: E.M.I. and radioisotope brain imaging. Monro P. **Lancet** 1(7960):640, 20 Mar 76

Letter: E.M.I. and radioisotope brain imaging. Monro P. **Lancet** 1(7969):1123–4, 22 May 76

Evaluation of radiography and isotopic scintigraphy for detecting skeletal metastases in breast cancer. Roberts JG, et al. **Lancet** 1(7953):237–9, 31 Jan 76

Letter: 99mTc-pertechnetate scanning in capsulitis. Wright MG, et al. **Lancet** 2(7947):1265–6, 20 Dec 75

Joint imaging in polymyalgia rheumatica. O'Duffy JD, et al. **Mayo Clin Proc** 51(8):519–24, AUG 76

Peripheral joint scanning with technetium pertechnetate. Application in clinical practice. Wahner HW, et al. **Mayo Clin Proc** 51(8):525–31, AUG 76

Nuclear medicine case of the month. Case history. Dibos PE, et al. **Md State Med J** 25(1):83–5, Jan 76

Myocardial imaging in the evaluation of patients with ischemic heart disease. Pitt B, et al. **Md State Med J** 25(3):69, Mar 76

Gallium scanning in the diagnosis of liver disease. Sagar VV, et al. **Md State Med J** 24(12):43–6, Dec 75

The disparity of the size of the liver as determined by physical examination and by hepatic gammascanning in 504 patients. Ariel IM, et al. **Med Pediatr Oncol** 2(1):69–73, 1976

Indium-111 bleomycin tumor scanning in lymphoma. Jones SE, et al. **Med Pediatr Oncol** 1(1):11–21, 1975

Radionuclide organ imaging (scanning). Azam A. **Med Trial Tech Q** 22(1):78–88, Summer 75

The role of the physician-computer interaction in the acquisition and interpretation of scintigraphic data. Höhne KH, et al. **Methods Inf Med** 13(2):65–70, Apr 74

Radionuclide evaluation of the orbit. Grove AS Jr. **Mod Probl Ophthalmol** 14:190–9, 1975

Scintigraphy of the orbit with 67Ga-citrate. Kaneko A. **Mod Probl Ophthalmol** 14:181–9, 1975

Location of aldosterone-producing adenomas with 131I-19-iodocholesterol. Hogan MJ, et al. **N Engl J Med** 294(8):410–4, 19 Feb 76

Letter: 67Gallium scintigraphy for inflammatory masses. Hopkins GB, et al. **N Engl J Med** 294(8):445, 19 Feb 76

Value and limitations of thallium-201 scintigraphy in the

acute phase of myocardial infarction. Wackers FJ, et al. **N Engl J Med** 295(1):1–5, 1 Jul 76

99mTc–pyrophosphate bone scans and endocrinologic evaluation in a patient with eosinophilic granuloma. Plonk JW, et al. **NC Med J** 36(10):605–6, Oct 75

Perspectives in scintigraphic detection of gynecologic tumors using labeled estrogen. Szendröi Z, et al. **Neoplasma** 22(5):535–7, 1975

Percutaneous HAM–splenoportoscintigraphy, porta–systemic shunting and hepatic sinusoidal pressure in cirrhosis of the liver. Weits J, et al. **Neth J Med** 18(5):176–83, 1975

Localization of speech parameters by brain scan. Karis R, et al. **Neurology** 26(3):226–3, Mar 76

Optimal utilization of computerized cranial tomography and radionuclide brain imaging. Alderson PO, et al. **Neurology (Minneap)** 26(9):803–7, Sep 76

Radioisotope scanning in inflammatory muscle disease. Brown M, et al. **Neurology (Minneap)** 26(6 PT 1):517–20, Jun 76

Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. Gado MH, et al. **Neurology (Minneap)** 26(6 PT 1):555–60, Jun 76

Abnormal lumbar isotope cisternography in an unusual case of spontaneous hypoliquorrheic headache. Labadie EL, et al. **Neurology (Minneap)** 26(2):135–9, Feb 76

Scintigraphy in lymphomas and leukemia of the brain. Heiss WD, et al. **Neuroradiology** 10(5):251–5, 1976

External detection of axoplasmic flow using radionuclides. Widén L, et al. **Neuroradiology** 10(4):197–203, 1976

Wegener's granulomatosis manifested by 67Ga–citrate scanning. Ohshima M, et al. **Nippon Acta Radiol** 35(12):1092–7, 1975

Potential use of ascorbic acid as a pituitary and adrenal scintigraphic agent. Colombetti LG, et al. **Nucl Med (Stuttg)** 14(3):285–92, 31 Aug 75

Combined scintigraphic study of the lung: what does the inhalation study add? Kempi V, et al. **Nucl Med (Stuttg)** 14(4):339–45, 15 Dec 75

Indium (111In)–labelled bleomycin for the detection of intracranial lesions. Merrick MV, et al. **Nucl Med (Stuttg)** 14(3):263–71, 31 Aug 75

Isotope profile investigations for the detection of venous thrombosis in the legs with the use of 131I–MAA. Pertyński T, et al. **Nucl Med (Stuttg)** 14(3):248–52, 31 Aug 75

On the stability of a tin–phytate complex. Sewatkar AB, et al. **Nucl Med (Stuttg)** 14(3):293–7, 31 Aug 75

Labeled metronidazoles as potential new agents for amebic hepatic abscess imaging. Tubis M, et al. **Nucl Med (Stuttg)** 14(2):163–71, 30 June 75

Scintigraphic demonstration of amebic liver abscesses with 131iodine labeled bromometronidazole. Tubis M, et al. **Nucl Med (Stuttg)** 15(1):36–8, Feb 76

Significance of femur and liver radioactivity in relation to quality and fate of phosphate complexes labeled with technetium–99m. Hosain P, et al. **Nuklearmedizin** 15(2):95–6, Apr 76

Scintigraphy with 99mTc–tripolyphosphate in the early diagnosis of osteomyelitis. Kempi HA, et al. **Nuklearmedizin** 15(2):53–5, Apr 76

Scintiscan characteristics of normal thyroid gland in a region of known iodine intake. Krishnamurthy GT, et al. **Nuklearmedizin** 15(2):60–2, Apr 76

99mT–c–pyridoxylidene glutamate a radiopharmaceutical for the hepatobiliary system. Noronha OP, et al. **Nuklearmedizin** 15(2):71–4, Apr 76

Unusual urinary tract radioactivity patterns during 57Co–bleomycin scintigraphy. Papavasiliou C, et al. **Nuklearmedizin** 15(2):97–8, Apr 76

Significance of renal visualization during bone scanning in Paget's disease. Winter PF, et al. **Nuklearmedizin** 15(3):131–4, Jun 76

Adrenal imaging with 131I–19–iodocholesterol following long–term alternate–day steroids. Keogh B, et al. **NY State J Med** 76(1):35–8, Jan 76

Evaluation of carcinoma of the cervix using 111In–bleomycin. Woolfenden JM, et al. **Obstet Gynecol** 46(3):347–52, Sep 75

85Sr uptake in lung metastases of osteogenic sarcoma. A case report. Cohen Y, et al. **Oncology** 30(6):493–8, 1974

Clinical evaluation of 67Ga–citrate scanning in the oral region. Higashi T, et al. **Oral Surg** 40(5):691–9, Nov 75

Gamma camera images of the salivary gland using 99mTc. Report of four cases. Higashi T, et al. **Oral Surg** 40(6):804–10, Dec 75

Hydatid disease: Rose Bengal 131I scanning in a case of bronchobiliary fistula. Minetto E, et al. **Panminerva Med** 18(7–8):260–2, Jul–Aug 76

Deep venous thrombosis in acute spinal cord injury: a comparison of 125I fibrinogen leg scanning, impenance plethysmography and venography. Todd JW, et al. **Paraplegia** 14(1):50–7, May 76

Nuclear medicine and pediatric neoplasia. Gilday DL. **Pediatr Clin North Am** 23(1):41–53, Feb 76

The sodium pertechnetate Tc 99m scan: an aid in the evaluation of gastrointestinal bleeding. Ho JE, et al. **Pediatrics** 56(1):34–40, Jul 75

Diagnosis of Meckel's diverticulum by radioisotope scanning. Martin GI, et al. **Pediatrics** 57(1):11–2, Jan 76

Osteomyelitis: early scintigraphic detection in children. Treves S, et al. **Pediatrics** 57(2):173–86, Feb 76

Dosimetry of 129Cs and 131Cs for human internal organs. Chandra R. **Phys Med Biol** 20(3):483–8, May 75

The validity of an equivalent point source (EPS) assumption used in quantitative scanning. Jones JP, et al. **Phys Med Biol** 20(3):455–64, May 75

Functional imaging of lung ventilation using the concept of mean transit time. Nosil J, et al. **Phys Med Biol** 21(2):251–62, Mar 76

Development and comparison of computer methods for organ motion correction in scintigraphy. Schmidlin P. **Phys Med Biol** 20(3):465–76, May 75

An iterative computer algorithm for optimization of radionuclide subtraction studies. Skretting A. **Phys Med Biol** 20(4):578–92, Jul 75

Correction functions for optimizing the reconstructed image in transverse section scan. Tanaka E, et al. **Phys Med Biol** 20(3):789–98, Sep 75

Dacryoscintigraph evaluation of the repaired lacrimal drainage system. Hoehn JG, et al. **Plast Reconstr Surg** 58(3):350–3, Sep 76

The value of the brain scan and cerebral arteriogram in the Sturge–Weber syndrome. McCaughan B, et al. **Proc Aust Assoc Neurol** 12:185–90, 1975

Non–invasive diagnosis of brain tumors. Jerva MJ, et al. **Proc Inst Med Chic** 30(9):280–1, Oct–Dec 75

Early detection of metastatic breast cancer using new bone scanning agents. Citrin DL, et al. **Proc R Soc Med** 68(6):386–7, Jun 75

An appraisal of imaging methods to detect disease of the adrenal glands, the pancreas and the parathyroids. Merrick MV. **Proc R Soc Med** 68(6):387–9, Jun 75

Comparison of radioisotope and ultrasound scans of the thyroid. Taylor KJ, et al. **Proc R Soc Med** 68(6):381–4, Jun 75

Glutamate esters as agents for cholescintigraphy. Colombetti LG. **Radiobiol Radiother (Berl)** 17(1):101–4, 1976

Gallbladder localization fo 131I–19–iodocholesterol; a pitfall in adrenal imaging. Byck W, et al. **Radiol Clin (Basel)** 45(2–4):302–5, 1976

Evaluation of ultrasonic and scintigraphic studies of the liver. Koch CW, et al. **Radiol Clin (Basel)** 45(2–4):282–91, 1976

Evaluation of scintigraphic and roentgenologic studies in Paget's disease under treatment. Vellenga CJ, et al. **Radiol Clin (Basel)** 45(2–4):292–301, 1976

Our early experience in use of 99mTc pertechnetate and pho gamma camera system in diagnosis of brain tumours. Kocić DS. **Radiol Diagn (Berl)** 16(1):57–60, 1975

Efficacy of emergency radionuclide perfusion lung studies. Anderson TM Jr, et al. **Radiology** 120(1):125–30, Jul 76

Radionuclide imaging of the bones and joints of the hand. A definition of normal and a comparison of sensitivity using 99mTc–pertechnetate and 99mTc–diphosphonate. Bekerman C, et al. **Radiology** 118(3):653–9, Mar 76

Dynamic/static brain scintigraphy: an effective screening test for subdural hematoma. Brown R, et al. **Radiology** 117(2):355–60, Nov 75

Brain scintigraphy in recurrent medulloblastoma. Clark EE, et al. **Radiology** 119(3):633–6, Jun 76

Detection of upper abdominal abscesses by radionuclide imaging. Damron JR, et al. **Radiology** 120(1):131–4, Jul 76

Proper shielding method for dynamic vertex cranial imaging. Deutchman AH, et al. **Radiology** 118(2):473–4, Feb 76

Myocardial mapping techniques and the evaluation of new 113mIn–labeled polymethylenephosphonates for imaging myocardial infarct. Dewanjee MK, et al. **Radiology** 117(3 Pt 1):723–6, Dec 75

Early radionuclide diagnosis of acute osteomyelitis. Duszynski DO, et al. **Radiology** 117(2):337–40, Nov 75

Manifestations of hypertrophic pulmonary osteoarthropathy in patients with carcinoma of the lung. Demonstration by 99mTc–pyrophosphate bone scans. Freeman MH, et al. **Radiology** 120(2):363–5, Aug 76

Manifestations of hypertrophic pulmonary osteoarthropathy in patients with carcinoma of the lung. Demonstration by 99mTc–pyrophosphate bone scans. Freeman MH, et al. **Radiology** 120(2):363–5, Aug 76

Gray scale ultrasonic investigation of focal defects on 99Tc sulphur colloid liver scanning. Garrett WJ, et al. **Radiology** 119(2):425–8, May 76

The sensitivity and specificity of 99mTc–sulfur colloid liver imaging in diffuse hepatocellular disease. Geslien GE, et al. **Radiology** 118(1):115–9, Jan 76

The accuracy of 111InCl3 as a bone marrow scanning agent. Gilbert EH, et al. **Radiology** 119(1):167–8, Apr 76

Accuracy of brain scanning in pediatric craniocerebral neoplasms. Gilday DL, et al. **Radiology** 117(1):93–7, Oct 75

Diagnosis of osteomyelitis in children by combined blood pool and bone imaging. Gilday DL, et al. **Radiology** 117(2):331–5, Nov 75

Efficacy of combined liver–lung scintillation imaging. Gold RP, et al. **Radiology** 117(1):105–11, Oct 75

Radionuclide uptake studies of bone: a quantitative method of evaluating the response of patients with Paget's disease to diphosphonate therapy. Goldman AB, et al. **Radiology** 117(2):365–9, Nov 75

Brain image manifestation in the patient with cavernous sinus occlusion. Hahn FJ, et al. **Radiology** 118(1):113–4, Jan 76

Liver scan 'hot spot' in hepatic veno–occlusive disease. Hanelin LG, et al. **Radiology** 117(3 Pt 1):637–8, Dec 75

Liver size determination in pediatrics using sonographic and scintigraphic techniques. Holder LE, et al. **Radiology** 117(2):349–53, Nov 75

Pseudo–metastases in the liver: a presentation of the Budd–Chiari syndrome. Hungerford GD, et al. **Radiology** 120(3):627–8, Sep 76

113mIn–labeled bone scanning agents. Jones AG, et al. **Radiology** 117(3 Pt 1):727–30, Dec 75

Abnormal pulmonary gallium accumulation in P. carinii pneumonia. Levenson SM, et al. **Radiology** 119(2):395–8, May 76

Pulmonary distribution of an inhaled radioaerosol in obstructive pulmonary disease. Lin MS, et al. **Radiology** 118(3):645–51, Mar 76

Vascular displacement diagnosed by cerebral radionuclide angiography. Maynard WP, et al. **Radiology** 117(2):361–4, Nov 75

Nuclear imaging: a new dimension. Oppenheim BE, et al. **Radiology** 118(2):491–4, Feb 76

The history and progress of serologic immunotherapy and radiodiagnosis. Order SE. **Radiology** 118(1):219–23, Jan 76

Attenuation coefficients of various body tissues, fluids, and lesions at photon energies of 18 to 136 keV. Phelps ME, et al. **Radiology** 117(3 Pt 1):573–83, Dec 75

Mesenteric vasculature masquerading as a kidney at renal imaging. Rambler LE, et al. **Radiology** 120(2):369–70, Aug 76

Mesenteric vasculature masquerading as a kidney at renal imaging. Rambler LE, et al. **Radiology** 120(2):369–70, Aug 76

67Ga radionuclide imaging in Burkitt's lymphoma. Richman SD, et al. **Radiology** 117(3 Pt 1):639–45, Dec 75

Myocardial imaging with radionuclide–labeled particles. Analysis of the normal image, abnormal image, and technical consideration. Ritchie JL, et al. **Radiology** 121(1):131–8, Oct 76

Observations of radionuclide imaging in hypertrophic pulmonary osteoarthropathy. Rosenthall L, et al. **Radiology** 120(2):359–62, Aug 76

Observations of radionuclide imaging in hypertrophic pulmonary osteoarthropathy. Rosenthall L, et al. **Radiology** 120(2):359–62, Aug 76

The relationship between radiographic findings and asymmetrical radioactivity in the shoulder. Sebes JI, et al. **Radiology** 120(1):139–42, Jul 76

The use of the 99mTc–pertechnetate neck/thigh ratio as a test of thyroid function. Selby JB, et al. **Radiology** 114(1):107–10, Jan 75

Bilateral breast uptake of 99mTc polyphosphate in a patient with metastatic adenocarcinoma. Shultz MM, et al. **Radiology** 118(2):377–8, Feb 76

Gallium–67 scintigraphy of pulmonary diseases as a complement to radiography. Siemsen JK, et al. **Radiology** 118(2):371–5, Feb 76

Acute cerebral vascular accident associated with hyperperfusion. Soin JS, et al. **Radiology** 118(1):109–12, Jan 76

Liver imaging in the diagnosis of hepatic venous thrombosis in paroxysmal nocturnal hemoglobinuria. Staab EV, et al. **Radiology** 117(2):341–8, Nov 75

Abnormal radionuclide cerebral angiograms and scans due to seizures. Stevens JS, et al. **Radiology** 117(1):113–5, Oct 75

Gated blood pool imaging following 99mTc stannous pyrophosphate imaging. Stokely EM, et al. **Radiology** 120(2):433–4, Aug 76

Gated blood pool imaging following 99mTc stannous pyrophosphate imaging. Stokely EM, et al. **Radiology** 120(2):433–4, Aug 76

Regional pulmonary function in supine patients with mitral valve disease. Surprenant EL, et al. **Radiology** 117(1):99–104, Oct 75

Focal decreased skeletal uptake secondary to metastatic disease. Vieras F, et al. **Radiology** 118(1):121–2, Jan 76

Kinetics and imaging characteristics of 99mTC–labled complexes used for bone imaging. Weber DA, et al. **Radiology** 120(3):615–21, Sep 76

Gallium–67 myocardial imaging for the detection of bacterial endocarditis. Wiseman J, et al. **Radiology** 120(1):135–8, Jul 76

Jugular venous reflux in cerebral radionuclide angiography. Yeh EL, et al. **Radiology** 118(3):730–2, Mar 76

Organ visualisation and related studies—clinical value. Hurley PF. **Recent Adv Clin Nucl Med** 1:59–105, 1975 (354 ref.)

Labelled fibrinogen in the study of deep venous thrombosis. Prentice CR. **Recent Adv Clin Nucl Med** 1:129–50, 1975 (84 ref.)

Quantification of lung scintigrams. Lopez–Majano V. **Respiration** 33(4):256–60, 1976

Studies on pancreatic scintiphotography. Cultrera G, et al. **Ric Clin Lab** 5(2):159–68, Apr–Jun 75

Quantitative bone scanning. Perelli R, et al. **Ric Clin Lab** 5(3):263–74, Jul–Sep 75 (Eng. Abstr.)

Evaluation of aorto–iliac disease with Doppler ultrasound and isotope clearance techniques. Appleberg M, et al. **S Afr Med J** 49(42):1744–6, 4 Oct 75

Renography using the gamma camera and the intertechnique cinescintigraphy system. A review of the current applications. Ayre–Smith G, et al. **S Afr Med J** 50(27):1067–72, 26 Jun 76

Serial scintigraphy during isolated renal perfusion. Fischer D, et al. **S Afr Med J** 50(22):854–7, 22 May 76

Renal uptake of 131I–rose bengal in biliary atresia. A case report. Heyman S. **S Afr Med J** 50(4):103–5, 24 Jan 76

The diagnostic value of liver scanning. A retrospective study. Andersen H, et al. **Scand J Gastroenterol** 11(3):241–8, 1976

Predominantly unilateral asthma studied with 133Xe–radiospirometry. Bülow KB, et al. **Scand J Respir Dis** 56(4):223–30, 1975

99mTc in evaluation of sacro–iliac arthritis. Szanto E, et al.

Scand J Rheumatol 5(1):11–5, 1976
Radionuclides in joint investigation. Rekonen A, et al. **Scand J Rheumatol [Suppl]** (12 suppl):125–6, 1975
Scintigraphic examination of aneurysms of abdominal aorta and iliac arteries. Eklund AE, et al. **Scand J Thorac Cardiovasc Surg** 9(3):276–80, 1975
Gamma-camera scintigraphy and renal angiography after transplantation. Wibell L, et al. **Scand J Urol Nephrol** (29 Suppl):95–9, 6–7 Mar 75
Short half-lived radiocolloids for delineation of the reticuloendothelial system in the bone marrow. Takahashi K. **Sci Rep Res Inst Tohoku Univ [Med]** 21(3–4):35–46, Dec 74
Bone scanning: the current position. McDougall IR, et al. **Scott Med J** 20(4):149–51, Jul 75
Studies of regional myocardial blood flow: results in patients with left anterior descending coronary artery disease. Cannon PJ, et al. **Semin Nucl Med** 6(3):279–303, Jul 76
Comparison of 99mTc-labeled phosphate and phosphonate agents for skeletal imaging. Davis MA, et al. **Semin Nucl Med** 6(1):19–31, Jan 76 (32 ref.)
Applications of diagnostic ultrasound and radionuclides to cardiovascular diagnosis. Part II. Cardiovascular disease in the young. Ferrer PL, et al. **Semin Nucl Med** 5(4):387–418, Oct 75 (90 ref.)
Benign bone tumors. Gilday DL, et al. **Semin Nucl Med** 6(1):33–46, Jan 76
Applications of diagnostic ultrasound and radionuclides to cardiovascular diagnosis. Part I. Acquired cardiovascular disease in the adult. Gottlieb S, et al. **Semin Nucl Med** 5(4):353–86, Oct 75 (74 ref.)
The bone scan in inflammatory osseous disease. Handmaker H, et al. **Semin Nucl Med** 6(1):95–105, Jan 76
Radionuclide joint imaging. Hoffer PB, et al. **Semin Nucl Med** 6(1):121–37, Jan 76 (47 ref.)
Bone scanning: radionuclidic reaction mechanisms. Jones AG, et al. **Semin Nucl Med** 6(1):3–18, Jan 76 (73 ref.)
Ultrasonic and radionuclide scanning in pancreatic disease. Kahn PC. **Semin Nucl Med** 5(4):325–38, Oct 75 (85 ref.)
Nuclear medicine and ultrasound; correlation in diagnosis of disease of liver and biliary tract. Lomonaco A, et al. **Semin Nucl Med** 5(4):307–24, Oct 75
Bone and marrow imaging in sickle cell disease: diagnosis of infarction. Lutzker LG, et al. **Semin Nucl Med** 6(1):83–93, Jan 76 (64 ref.)
Bone trauma and related benign disease: assessment by bone scanning. Marty R, et al. **Semin Nucl Med** 6(1):107–20, Jan 76 (27 ref.)
Combined use of ultrasound and nuclear medicine techniques in kidney disease. Morales JO, et al. **Semin Nucl Med** 5(4):339–51, Oct 75
Radionuclide angiography. Muroff LR, et al. **Semin Nucl Med** 6(2):217–30, Apr 76
Observations on the mechanism of 99mTc-labeled phosphate complex uptake in metabolic bone disease. Rosenthall L, et al. **Semin Nucl Med** 6(1):59–67, Jan 76
Paget's disease of bone. Serafini AN. **Semin Nucl Med** 6(1):47–58, Jan 76 (36 ref.)
Nuclear medicine and ultrasound in the evaluation of neurologic diseases. Whelan CA, et al. **Semin Nucl Med** 5(4):419–31, Oct 75 (47 ref.)
Head and neck radioangiography. Long RF, et al. **South Med J** 69(1):17–20, Jan 76
Further observations on 85Sr scintimetry in intracapsular fracture of the hip. Shoji H, et al. **South Med J** 68(10):1249–54, Oct 75
Liver hernia diagnosed by liver scan and confirmed by angiography. Wagner RB, et al. **South Med J** 69(3):376–8, Mar 76
Clinical interest of 99mTc-albumin venous angiocardiography by computer-assisted gamma-camera and linear scan. Abbati A, et al. **Strahlentherapie [Sonderb]** 74:508–13, 1975
Comparison of 99mTc-labelled polyphosphate, pyrophosphate and ethane hydroxy diphosphonate in patients with skeletal metastases and in normal subjects. Citrin DL, et al. **Strahlentherapie [Sonderb]** 74:321–8, 1975
Liver scanning using 67Ga-citrate. Wood EJ, et al. **Strahlentherapie [Sonderb]** 74:117–28, 1975
The value of brain scanning in the management of strokes. Antunes JL, et al. **Stroke** 6(6):659–63, Nov-Dec 75
Comparison of computerized tomography and radionuclide imaging in 'stroke'. Gado MH, et al. **Stroke** 7(2):109–13, Mar-Apr 76
Brain scan in cerebral ischemia. An experimental model in the rat. Turner JH. **Stroke** 6(6):703–6, Nov-Dec 75
Technetium 99m stannous glucoheptonate for renal imaging and evaluating individual renal function. Corriere JN Jr, et al. **Surg Forum** 26:582–4, 1975
Experience with 99mTc diphosphonate in studying vascularity of the femoral head. D'Ambrosia RD, et al. **Surg Forum** 26:521–3, 1975
Scintigraphic demonstration of abscesses with radioactive gallium labeled leukocytes. Burleson RL, et al. **Surg Gynecol Obstet** 141(3):379–82, Sep 75
Radioactive technetium phosphate bone scanning in preoperative assessment and follow-up study of patients with primary cancer of the breast. Citrin DL, et al. **Surg Gynecol Obstet** 143(3):360–4, Sep 76
Detection of abscesses by radioactive isotopes and external scanning. Deysine M. **Surg Gynecol Obstet** 142(3):427–30, Mar 76 (26 ref.)
Role of preoperative bone scan in carcinoma of the breast. El-Domeiri AA, et al. **Surg Gynecol Obstet** 142(5):722–4, May 76
The use of bone and brain scans as screening procedures in patients with malignant lesions. Felix EL, et al. **Surg Gynecol Obstet** 141(6):o67–9, Dec 75
Isotope angiography for detection of embolic arterial occlusion. Moss CM, et al. **Surg Gynecol Obstet** 142(1):57–61, Jan 76
Lack of specificity for detection of breast lesions with radioactive cesium chloride. Nishiyama H, et al. **Surg Gynecol Obstet** 143(2):229–32, Aug 76
The use of radioactive cesium chloride for imaging of malignant and benign pulmonary lesions. Nishiyama H, et al. **Surg Gynecol Obstet** 143(4):575–80, Oct 76
Technetium stannous pyrophosphate myocardial scintigraphy for diagnosing and localizing acute myocardial infarcts. Willerson JT, et al. **Tex Med** 72(2):61–6, Feb 76
Selenomethionine Se 75 thymus scans in myasthenia gravis. Toole JF, et al. **Trans Am Neurol Assoc** 100:248–9, 1975
Letter: Isotopic scanning in pursuit of a parasitic nematode. Preston PJ, et al. **Trans R Soc Trop Med Hyg** 69(2):289–90, 1975
Bone scanning with technetium 99mTc polyphosphate in tuberculous osteomyelitis. Fanning A, et al. **Tubercle** 55(3):227–30, Sep 74
Diagnostic value of renal studies with radioisotopes in the pediatric age group. Erbengi G, et al. **Turk J Pediatr** 26(2):72–81, Apr 74
The renogram and individual 131I-hippuran clearances in experimentally controlled renal perfusion. Hünermann B, et al. **Urol Res** 3(2):81–5, 8 Aug 75
'Positive' bone scan—a contraindication to surgery? Basinger GT, et al. **Urology** 6(5):547–53, Nov 75
Newly recognized findings on bone scanning in patients with renal cell adenocarcinoma. Fitzer PM. **Urology** 6(4):435–8, Oct 75
Extrahepatic lesions causing false-positive liver scans. Chaudhuri TK. **Va Med Mon** 103(2):129–30, 135, 165, Feb 76
Incidental renal imaging during bone scanning with 99mTc-polyphosphate: a diagnostic bonus. Fitzer PM. **Va Med Mon** 102(11):940–3, Nov 75
Scanning in the diagnosis of hepatic and splenic trauma. Fitzer PM. **Va Med Mon** 103(1):30–3, Jan 76
Ga–67 staging of Hodgkin's disease. Fratkin MJ, et al. **Va Med Mon** 103(4):257–60, 265–6, Apr 76
Brain scintigraphy and intracranial neoplasms. Kan MK, et al. **West J Med** 125(1):88–91, Jul 76
Localization of placenta in scanning by In113m radiopharmaceuticals. Cho OK, et al. **Yonsei Med J** 16(1):9–17, 1975
[Scintigraphy of the pancreas in insuloma] Romanova A, et al. **Vutr Boles** 14(3):123–7, 1975 (Eng. Abstr.) **(Bul)**
[Comparative 131-cesium scintigraphic and electrocardiographic studies of patients following the acute phase of myocardial infarct] Simeonov Ts, et al. **Vutr Boles** 14(3):88–95, 1975 (Eng. Abstr.) **(Bul)**
[Lung scanning in the diagnosis of malignant tumors] Dolgova-Korubin V, et al. **God Zb Med Fak Skopje** 17:135–45, 1971 (Eng. Abstr.) **(Cro)**
[Synovial cyst in the popliteal region in the lower leg in rheumatoid arthritis and current methods used for their visualization] Domljan Z, et al. **Lijec Vjesn** 97(6):343–7, Jun 75 (Eng. Abstr.) **(Cro)**
[99m Tc-polyphosphate in the diagnosis of inflammatory rheumatic diseases] Jajić I, et al. **Lijec Vjesn** 97(10):581–4, Nov 75 (Eng. Abstr.) **(Cro)**
[Bleeding Meckel's diverticulum (diagnosis using radioisotope scintigraphy)] Pasini M, et al. **Lijec Vjesn** 97(3):153–5, Mar 75 (Eng. Abstr.) **(Cro)**
[Evaluation of clinical, x-ray and scintigraphic findings in sacroiliac joints and the spine in the diagnosis of ankylosing spondylitis] Jajić I, et al. **Reumatizam** 23(3):83–91, 1976 (Eng. Abstr.) **(Cro)**
[Absence of technetium 99mTc accumulation in thyroid gland (author's transl)] Felt V. **Cas Lek Cesk** 115(17):527–9, 30 Apr 76 (Eng. Abstr.) **(Cze)**
[Incidence of venous thrombosis in acute myocardial infarct diagnosed using 125 I-fibrinogen] Niederle P, et al. **Cas Lek Cesk** 115(10):287–91, Mar 76 (Eng. Abstr.) **(Cze)**
[Use of gallium radioisotopes in the diagnosis of retroperitoneal neoplasms] Pavlová A, et al. **Cas Lek Cesk** 115(15):465, Apr 76 **(Cze)**
[Use of electrophysiologic and radioisotope methods in bone metastases] Slíž K, et al. **Cas Lek Cesk** 114(39):1196–201, 26 Sep 75 (Eng. Abstr.) **(Cze)**
[Proposal for the preparation and testing of the 99mTc-Sn-gluconate complex for renal scintigraphy. II. Simplified method] Charamza O. **Cesk Farm** 24(9):405, Nov 75 **(Cze)**
[Proposal for a simplified method of erythrocyte labeling using 99mTc for scintigraphy of the spleen] Charamza O. **Cesk Farm** 24(9):406, Nov 75 **(Cze)**
[Scintigraphy in lateralized tumors of the posterior cranial fossa] Kvíčala V, et al. **Cesk Neurol Neurochir** 39(2):68–76, Mar 76 (Eng. Abstr.) **(Cze)**
[Functional examination of the lung and of lung hemodynamics in infants by means of scintigraphic method with the use of radioactive Xenon] Samánek M, et al. **Cesk Pediatr** 30(9):397–404, Sep 75 (Eng. Abstr.) **(Cze)**
[Diagnosis of metastazing adenocarcinoma of the thyroid gland in childhood—comparison of gammagraphy and infrared thermovision results] Stavratjev M, et al. **Cesk Pediatr** 31(4):204–7, Apr 76 (Eng. Abstr.) **(Cze)**
[The present-day state and prospects of scintigraphic examination of myocardial ischemia (author's transl)] Málek P, et al. **Cesk Radiol** 29(5):303–6, Sep 75 (Eng. Abstr.) **(Cze)**
[Significance of scintigraphy in the diagnosis of hepatic metastases of cancer of the large intestine and anorectum] Kazil P, et al. **Rozhl Chir** 55(4):284–92, Apr 76 (Eng. Abstr.) **(Cze)**
[Scintigraphy and radiography of the skeletal system] Kassis HV, et al. **Ugeskr Laeger** 138(12):748–50, 15 Mar 76 (Eng. Abstr.) **(Dan)**
[Gamma camera scintigraphy after renal transplantation] Kristiansen JH. **Ugeskr Laeger** 138(4):211–4, 19 Jan 76 (Eng. Abstr.) **(Dan)**
[Subcapsular spleen hemorrhage. Diagnosis using spleen scintigraphy with technetium sulfide colloid] Molier HL, et al. **Ned Tijdschr Geneeskd** 119(38):1458–61, 20 Sep 75 (Eng. Abstr.) **(Dut)**
[Radionuclides in the examination of the skeleton] Kettunen K, et al. **Duodecim** 91(24):1515–7, 1975 **(Fin)**
[Renal findings with sequential scintillation camera during late pregnancy] Smeds JE, et al. **Duodecim** 92(12):675–9, 1976 (Eng. Abstr.) **(Fin)**
[X-ray scanning in diagnosis] Soila P. **Duodecim** 91(11):685–7, 1975 **(Fin)**
[Comparative data of labial gland biopsies and scintigraphy with technetium 99m of the principal salivary glands in sarcoidosis] Turiaf J, et al. **Ann Med Interne (Paris)** 127(3):259–64, Mar 76 **(Fre)**
[Radioisotopic detection of cerebral tumors in mental patients and epileptics] Zwas ST, et al. **Ann Med Psychol (Paris)** 2(5):924–35, Dec 75 **(Fre)**
[Study of Eustachian tube patency using radioisotopes] Lafaye M, et al. **Ann Otolaryngol Chir Cervicofac** 91(12):665–80, Dec 74 (Eng. Abstr.) **(Fre)**
[Radioisotopic lymphography by an indirect route of the abdomino-pelvic lymphatic chains. Value of antimony sulfocolloid labelled with technetium 99m (author's transl)] Arnaud D, et al. **Ann Radiol (Paris)** 18(5):509–12, Jul 75 (Eng. Abstr.) **(Fre)**
[The limitations of pancreatic scanning for the diagnosis of pancreatic diseases. An experience based on 354 examinations (author's transl)] Quinton A, et al. **Arch Fr Mal App Dig** 65(2):125–33, Mar 76 (Eng. Abstr.) **(Fre)**
[Experiences with gallium pulmonary scintigraphy] Galassi A, et al. **Bronches** 25(4):240–55, Jul-Aug 75 **(Fre)**
[Value of scintigraphy using 67 gallium citrate in the localization diagnosis of orbital tumors] Rougier J, et al. **Bull Soc Ophtalmol Fr** 74(9–10):911–9, Sep-Oct 74 **(Fre)**
[Measurement of the fraction of left ventricular effective ejection by associated radiocardiography-radioisotope scanning of the heart cavities] de Vernejoul P, et al. **C R Acad Sci [D] (Paris)** 282(9):941–3, 1 Mar 76 (Eng. Abstr.) **(Fre)**
[Radioisotopic methods for screening in pediatric nephrology] Sadikario A, et al. **God Zb Med Fak Skopje** 21:63–70, 1975 **(Fre)**
[Contribution of isotopes to the study of compensatory hypertrophy in the kidney in children] pp. 71–81. Raynaud C. **In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** **(Fre)**
[Radiosialography, a dynamic study of the salivary glands by 99m Tc-pertechnetate] Peyrin JO, et al. **Int J Nucl Med Biol** 3(2):59–64, Apr 76 (Eng. Abstr.) **(Fre)**
[Measurement of the rate of gastric emptying using the scinticamera with 99m Tc-DTPA. Reprodutibility of measurements] Brassinne A, et al. **J Belge Radiol** 59:143–9, Mar-Apr 76 (Eng. Abstr.) **(Fre)**
[Significance of a comparative clinical, angiographic and scintigraphic study of a case of bilateral thrombosis of the internal carotid artery] Demeurisse G, et al. **J Belge Radiol** 58(3):235–41, May-Jun 75 (Eng. Abstr.) **(Fre)**
[Contribution of scintigraphy in acute and chronic pancreatitis. Apropos of 200 examinations] Tricot JF, et al. **J Chir (Paris)** 111(3):289–96, Mar 76 (Eng. Abstr.) **(Fre)**
[Use of isotopes in the diagnosis of malignant breast tumors] Destailleur G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4 SUPPL 2:109–16, 1975 (Eng. Abstr.) **(Fre)**
[Scintigraphy of the head of the pancreas] Basse-Cathalinat B, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:87–90, 1975 **(Fre)**
[Usefulness of renal scinitigraphic scanning in the prognosis of acute renal failure (author's transl)] Bernheim J, et al. **J Radiol Electrol Med Nucl** 57(1):63–8, Jan 76 (Eng. Abstr.) **(Fre)**
[Indications, limitations and comparative value of hepatography, selective arteriography, scintigraphy and echotomography in diagnosis of benign tumors of the liver] Bollaert A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:31–2, 1975 **(Fre)**
[Gammagraphic symptomology of cerebral metastases. Analysis of 67 positive cases] Caballero O, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:643–4, 1975 **(Fre)**
[Personal experience with the diagnostic possibilities of pancreatic scintigraphy] Centi Colella A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:90–1, 1975 **(Fre)**
[Diagnostic value of ytterbium 169 citrate in cancerology]

Chatal JF, et al. **J Radiol Electrol Med Nucl** 56(5):401–9, May 75 (Eng. Abstr.) (Fre)

[Pancreatic scintigraphy with the gamma camera; analysis of the results of 300 examinations] Cortazar JC, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:525–6, 1975 (Fre)

[Lung clearance of polydispersed particles of colloidal Au–198] D'Addabbo A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:195–7, 1975 (Fre)

[Scintigraphic image of the spleen in tropical and infectious diseases] Da Rocha AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:693–5, 1975 (Fre)

[Study with radioactive tracers of the blood supply, parenchymatous function and pselo–calyceal function of kidney grafts] Da Rochia AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:478–9, 1975 (Fre)

[Cerebral scintigraphy. Analysis of 1,500 cases] Esteban J, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:283–4, 1975 (Fre)

[Swedish experience with the EMI scanner. October 1973–1974] Fischgold H. **J Radiol Electrol Med Nucl** 56(12):860–894, Dec 75 (Fre)

[Plasma levels of I 131–HSA in isotope cisternography] Galli G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:294–7, 1975 (Fre)

[Radioisotope and radiologic study of normal pressure hydrocephalus] Galli G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:645, 1975 (Fre)

[The lung in the aged. Radioisotope study and functional characteristics] Laconi A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:189, 1975 (Fre)

[Contribution of scintigraphy in liver injuries] Lemort JP, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:540–1, 1975 (Fre)

[Contribution to the scintigraphic diagnosis of malignant endothoracic tumors by 57Co labeled Bleomycin (author's transl)] Lucot H, et al. **J Radiol Electrol Med Nucl** 57(1):69–78, Jan 76 (Eng. Abstr.) (Fre)

[Scintographic changes in the head of the pancreas] Manni GB, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:523–4, 1975 (Fre)

[Circulation of the cerebrospinal fluid. Anatomic bases and physiopathologic conditions observed with radioisotopes] Oberson R. **J Radiol Electrol Med Nucl** 56 suppl 1:290–3, 1975 (Fre)

[Diagnosis by radioisotopes in kidney transplantation] Piret L, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:348–52, 1975 (Fre)

[Sialography and scintigraphy in the study of the salivary glands] Putti G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:459–61, 1975 (Fre)

[Circulation of cerebrospinal fluid] Roncari G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:293–4, 1975 (Fre)

[Validity and significance of bone marrow scintigraphy in the study of lymphomas] Salvatore M, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:603–4, 1975 (Fre)

[Statistical evaluation of the results of cerebral scintigraphy] Spinelli Ressi F. **J Radiol Electrol Med Nucl** 56 suppl 1:282–3, 1975 (Fre)

[Comparative study of hepative scintigraphy and hepatography with lipidol (69 cases)] Tavernier J, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:32–3, 1975 (Fre)

[Scintigraphy of the adrenal glands] Troncone L, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:505–6, 1975 (Fre)

[Hepato–bilary scintigraphy with iodoxamic acid and I–131 rose bengal] Ugolotti G. **J Radiol Electrol Med Nucl** 56 suppl 1:51, 1975 (Fre)

[Contributions of cerebral angioscintigraphy and scintigraphy to the differential diagnosis] Vázquez R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:308–10, 1975 (Fre)

[Association of cystomanometry with radiologic and radioisotope technics] Timmermans L, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):202–6, Dec 74 (Fre)

[Letter: Radioisotope scanning of the choroid plexus] Ancri D. **Nouv Presse Med** 5(9):583, 28 Feb 76 (Fre)

[Isotope angiography in peripheral arterial pathology] Chapuis Y, et al. **Nouv Presse Med** 4(16):1189–93, 19 Apr 75 (Eng. Abstr.) (Fre)

[Letter: Discordant thyroid scintigraphies with iodine 131 and technetium 99] Chatal JF, et al. **Nouv Presse Med** 5(12):797–8, 20 Mar 1976 (Fre)

[Letter: Conn's adenoma and adrenal scintography] Dallocchio M, et al. **Nouv Presse Med** 4(21):1593–4, 24 May 75 (Fre)

[Scintigraphy of the choroid plexus (choroid plexography)] de Tovar G, et al. **Nouv Presse Med** 4(33):2399–400, 11 Oct 75 (Eng. Abstr.) (Fre)

[Letter: Scintigraphy of the choroid plexus] Ducassou D, et al. **Nouv Presse Med** 4(45):3198, 27 Dec 75 (Fre)

[Letter: Value of adrenal mapping in case of hypercorticism with difficult diagnosis] Lubetzki J, et al. **Nouv Presse Med** 4(39):2810, 15 Nov 75 (Fre)

[Letter: Bone scintigraphy: semiological value of localized hypofixations] Naoun A, et al. **Nouv Presse Med** 5(16):1068–9, 17 Apr 76 (Fre)

[Letter: Scintigraphic study of the distribution of hyman lymphocytes labelled with 99m technetium. Preliminary results] Plagne R, et al. **Nouv Presse Med** 5(20):1307–8, 15 May 76 (Fre)

[Letter: Use of stannotechnetiated (99mTc) pyrophosphate for the diagnosis of cerebrovascular accidents] Planiol T, et al. **Nouv Presse Med** 5(12):793, 20 Mar 1976 (Fre)

[Bone marrow scintigraphy in anemia caused by impaired hemopoiesis. Respective values of technetium colloids and indium–transferrin] Rain JD, et al. **Nouv Presse Med** 4(20):1471–6, 17 May 75 (Eng. Abstr.) (Fre)

[Study of hepatic cirrhosis using radioactive technetium] Chicoş G, et al. **Physiologie** 12(1):65–72, 1975 (Fre)

[Anatomo–scintigraphic comparisons in hepato–biliary exploration and irradiation of the critical organ] Gheorghe N, et al. **Physiologie** 12(1):57–64, 1975 (Fre)

[Biopsy and scintigraphic comparisons in hepatic cirrhosis] Gheorghe N, et al. **Physiologie** 12(4):297–301, 1975 (Fre)

[Detection of intrathoracic malignant tumors using labeled metals] Blanchon P, et al. **Poumon Coeur** 30(4):249–55, 1974 (Eng. Abstr.) (Fre)

[Use of new osteotropic isotopes in osteoarticular diseases, with special reference to phlogistic arthropathies] Ambanelli U, et al. **Rev Rhum Mal Osteoartic** 42(7–9):513–8, Jul–Sep 75 (Eng. Abstr.) (Fre)

[Value and limitatious of scintigraphy of the sacro–iliac joints using technetium pyrophosphate] d'Eshougues JR, et al. **Rev Rhum Mal Osteoartic** 42(6):383–9, Jun 75 (Eng. Abstr.) (Fre)

[Systematic study of sequential salivary gland scintigraphy during rheumatoid arthritis and collagenosis. Apropos of 150 examinations] Rampon S, et al. **Rev Rhum Mal Osteoartic** 42(3):185–94, Mar 75 (Eng. Abstr.) (Fre)

[Radioisotopic examination and diagnosis of dryness of the mouth] Parret J, et al. **Rev Stomatol Chir Maxillofac** 76(8):643–51, Dec 75 (Eng. Abstr.) (Fre)

[Scintigraphic exploration of cysts of embryonal origin of the neck] Szabo G. **Rev Stomatol Chir Maxillofac** 77(1):124–7, Jan–Feb 76 (Fre)

[Istope examinations in coronary intensive care units] Vacheron A, et al. **Sem Hop Paris** 51(13):877–81, 14 Mar 75 (Fre)

[Distribution of chlorpromazine–11C in man] Comar D, et al. **Strahlentherapie [Sonderb]** 74:81–9, 1975 (Eng. Abstr.) (Fre)

[99mTc–labeled sodium pyrophosphate in the study of primary and secondary bone cancer] Ducassou D, et al. **Strahlentherapie [Sonderb]** 74:346–56, 1975 (Fre)

[Penicillamine–indium: scintigraphic agent for kidney exploration] Morcellet JL, et al. **Strahlentherapie [Sonderb]** 74:159–73, 1975 (Eng. Abstr.) (Fre)

[Scintigraphy using iodine–131–labeled 19–iodocholesterol in the study of adrenal pathology] Lacourcière Y, et al. **Union Med Can** 104(3):395–9, Mar 75 (Eng. Abstr.) (Fre)

[Gallium–67 scintigraphy in the diagnosis of tumors in oromaxillofacial surgery] Maerker R, et al. **Acta Stomatol Belg** 72(3):399–403, 1975 (Ger)

[Tumorscanning of the head and neck malignomas (author's transl)] Jung H, et al. **Arch Otorhinolaryngol (NY)** 211(2):129–38, 30 Nov 75 (Eng. Abstr.) (Ger)

[Diagnostic significance of gallium scintigraphy in tumors of the eye and orbit] Mühlbacher I, et al. **Ber Dtsch Ophthalmol Ges** (73):455–60, 1975 (Ger)

[Results of 201thallium myocardial scanning in coronary heart disease (author's transl)] Büll U, et al. **Dtsch Med Wochenschr** 101(29):1088–92, 16 Jul 76 (Eng. Abstr.) (Ger)

[Letter: Patholgical myocardial perfusion distribution in scintigraphy and normal coronarography] Lüdinghausen M von. **Dtsch Med Wochenschr** 101(33):1235, 13 Aug 76 (Ger)

[Liver scanning in diffuse liver disease (author's transl)] Aiginger P, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):121–25, Aug 75 (Ger)

[The radionuclide hepato–angiography in the clinical diagnosis (author's transl)] Bekier A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):532–5, Dec 75 (Eng. Abstr.) (Ger)

[Scintigraphic findings in splenic vein thrombosis] Biersack HJ, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):127–30, Feb 75 (Eng. Abstr.) (Ger)

[Demonstration of a post–traumatic, transdiaphragmatic liver prolapse by combined hepatic and lung scans (author's transl)] Bockslaff H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):400–3, Nov 75 (Eng. Abstr.) (Ger)

[The effect of biological factors during functional scintigraphy of the heart (author's transl)] Breuel HP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):18–21, Jul 76 (Eng. Abstr.) (Ger)

[A comparison of radiology and scanning with 99mTc–pyrophosphate in 125 patients with tumours (author's transl)] Broglie M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):310–2, Oct 75 (Eng. Abstr.) (Ger)

[Scintigraphic findings in amoebic abscess of the liver (author's transl)] Bünemann H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):126–31, Feb 76 (Eng. Abstr.) (Ger)

[Angiography, scintigraphy and ultra sound in the diagnosis of splenic or hepatic disease in Hodgkin's disease (author's transl)] Czembirek H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):403–8, Nov 75 (Eng. Abstr.) (Ger)

[Unusual scintigraphic picture in liver cirrhosis] Dressler J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):174–5, Feb 75 (Ger)

[The scintigraphic diagnosis of meningiomas (author's transl)] Erbs G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):308–10, Oct 75 (Eng. Abstr.) (Ger)

[Three–stage method in lung scintigraphy: ventilation, diffusion and perfusion (author's transl)] Erbs G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):13–8, Jul 75 (Eng. Abstr.) (Ger)

[The clinical value of sequential renal scans with 131 iodo–hipuran and renal perfusion with 99mtc compounds using computer analysis (author's transl)] Hecking E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):103–13, Aug 75 (Ger)

[The concentration of the activity in the lungs during the liver scanning with the colloidal 198Au] Lütgemeier J. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):606–7, Jun 76 (Ger)

[The demonstration of hererotopic gastric mucosa in the oesophagus with 99mTc pertechnitate (author's transl)] Marowski VB, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):44–7, Jul 76 (Eng. Abstr.) (Ger)

[Radiation dose to the head, and particularly to the lens of the eye, during tomography with EMI scanner.] Nemec HW, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):526–30, Jun 76 (Eng. Abstr.) (Ger)

[Absence of cerebral perfusion. A simple isotope method for demonstrating cerebral death] Spesshardt K. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):522–5, Jun 76 (Eng. Abstr.) (Ger)

[Investigations of flow through end arteries in diseases of digital vessels using radio–active tracers (arterial occlusive disease, acrosclerosis and sclerodermia) (author's transl)] Tiedjen KU, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):56–66, Jul 75 (Eng. Abstr.) (Ger)

[The reliability of scintigraphic criteria of the lungs concerning the estimation of mediastinal involvement in case of bronchial carcinoma (prospective study) (author's transl)] Ramos M, et al. **God Zb Med Fak Skopje** 124(5):401–6, May 76 (Eng. Abstr.) (Ger)

[Viability of femur heads following dislocation fractures] Hupfauer W, et al. **Hefte Unfallheilkd** (124):263–8, 1975 (Ger)

[Pulmonary function test in blunt thoracic injuries using nuclear medicine methods] Lugger LJ, et al. **Hefte Unfallheilkd** (121):217–20, 1975 (Ger)

[Scinitigraphy for estimation of regional lung function] Kaufmann M, et al. **Helv Chir Acta** 43(1–2):7–13, Mar 76 (Ger)

[Non–invasive diagnosis of myocardial infarct] Hör G. **Hippokrates** 47(3):272–4, Aug 76 (Ger)

[Adaptation of collimator–detector system for scintigraphical objectives] pp. 295–306. Tautz M. **In. Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** (Ger)

[Nuclear medical tumor diagnosis in the area of the spine] pp. 104–8. Riccabona G. **In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974.** (Ger)

[Nuclear medicine diagnosis of the mediastinum] pp. 77–82. Hundeshagen H, et al. **In: Frommhold W, Gerhardt P, ed. Erkrankungen des Mediastinum. Struttgart, Thieme, 1975. W3 KL63 Bd.4 1975.** (Ger)

[Model studies on pharmaco–perfusion scintigraphy] pp. 161–7. Sill V, et al. **In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973.** (Ger)

[The diagnostic value of brain scanning in children (author's transl)] Wilcke O. **J Neurol** 210(2):111–9, 1 Sep 75 (Eng. Abstr.) (Ger)

[Significance and effectivity of brain scintigraphy in children] Döge H, et al. **Kinderaerztl Prax** 44(5):229–35, May 76 (Ger)

[Nuclear medical diagnosis of lymphogranulomatosis in childhood] Stoll W. **Kinderaerztl Prax** 43(7):304–7, Jul 75 (Ger)

[Lung scintigraphic studies in the chronic bronchitis syndrome in childhood] Thiemann HH, et al. **Kinderaerztl Prax** 43(9):398–405, Sep 75 (Ger)

[Clinical experiences with radionuclide dacryocystography (author's transl)] Meyer PB, et al. **Klin Monatsbl Augenheilkd** 167(3):421–6, Sep 75 (Eng. Abstr.) (Ger)

[Examination of function by scintillography after dacryocystorhinostomy (author's transl)] Pink V, et al. **Klin Monatsbl Augenheilkd** 167(6):830–5, Dec 75 (Eng. Abstr.) (Ger)

[Bone scintigraphy in the diagnosis of primary bone tumors (author's transl)] Georgi P, et al. **Langenbecks Arch Chir** 339:321–6, Nov 75 (Eng. Abstr.) (Ger)

[Nuclear medical diagnostic—pancreatic carcinoma (author's transl)] Schmidt HA. **Langenbecks Arch Chir** 339:247–51, Nov 75 (Eng. Abstr.) (Ger)

[Diagnosis of venous thromboses using nuclear–medicine

methods] Fridrich R, et al. **Med Welt** 26(43):1960–4, 24 Oct 75 **(Ger)**

[Bone scintigraphy with 99mTc–pyrophosphate: pharmokinetics of the substance and clinical experiences with the scintigraphy] Fill H, et al. **Nucl Med (Stuttg)** 14(4):310–22, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[131–I cholesterol (19–C) in the functional and localization diagnosis of adrenal cortex disorders] Müller C, et al. **Nucl Med (Stuttg)** 15(1):39–42, Feb 76 **(Ger)**

[Results of cisternoscintigraphy. A proscpective and retrospective study] Piroth HD, et al. **Nucl Med (Stuttg)** 14(3):253–62, 31 Aug 75 (Eng. Abstr.) **(Ger)**

[Reliability of positive findings in serial cerebral scintigraphy. Evaluation of a prospective series of 1700 cases] Ramos M, et al. **Nucl Med (Stuttg)** 14(2):144–57, 30 June 75 (Eng. Abstr.) **(Ger)**

[Isotope studies of cerebral circulation using the Fucks–Knipping gamma camera: use of a multi–parameter system with an intravenous tracer injection technic] von Arnim WH, et al. **Nucl Med (Stuttg)** 15(1):22–31, Feb 76 (Eng. Abstr.) **(Ger)**

[Animal experimental studies of positive tumor demonstration with radio–iodine labelled albumin macroaggregates] Klinger R, et al. **Nuklearmedizin** 15(2):91–4, Apr 76 (Eng. Abstr.) **(Ger)**

[Heart–blood–pool scintigraphy in dialyzed chronic uremic patients)] Nagy ES, et al. **Nuklearmedizin** 15(2):75–6, Apr 76 (Eng. Abstr.) **(Ger)**

[Demonstration total brain infarct with radioisotope angiography] Schrader H, et al. **Nuklearmedizin** 15(3):101–14, Jun 76 (Eng. Abstr.) **(Ger)**

[Studies of hepatobiliary function with a scintillation camera and electronic data processing)] Ullmann KJ, et al. **Nuklearmedizin** 15(2):63–70, Apr 76 (Eng. Abstr.) **(Ger)**

[Bone scintigraphy in the paraproteinemias (author's transl)] Mastnak C, et al. **Osterr Z Onkol** (5–6):127–31, 1974 (Eng. Abstr.) **(Ger)**

[Isotopic investigations in pediatric cardiology (author's transl)] Stocker FP, et al. **Praxis** 64(38):1220–31, 23 Sep 75 (Eng. Abstr.) **(Ger)**

[Results of nuclear medical, electroencephalographic, and angiographic examinations after brain tumor operations] Otto HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):577–83, Oct 75 (Eng. Abstr.) **(Ger)**

[99mTc–pertechnetate radiometry and articular scintigraphy in rheumatoid polyarthritis (author's transl)] Chlystov VA, et al. **Radiobiol Radiother (Berl)** 17(1):165–9, 1976 (Eng. Abstr.) **(Ger)**

[Brain scintigraphy in inflammatory diseases of the central nervous system (meningoencephalitis, brain abscess, and subdural empyema] Deckart H, et al. **Radiobiol Radiother (Berl)** 16(6):725–36, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Pulmonary scintiography using indium–iron hydroxyde microparticles] Kleinert P, et al. **Radiobiol Radiother (Berl)** 16(1):123, 1975 **(Ger)**

[Proceedings: Improvement of HSA microspheres (1 micromilimeter) in liver scintigraphy, their labeling capacity with 99m Tc and 113m In and their suitability for chimical and functional diagnosis] Knop G, et al. **Radiobiol Radiother (Berl)** 16(1):126–7, 1975 **(Ger)**

[Clinical examinations of the information value of isotope nephrogram after unilateral ureteral occlusion (author's transl)] Voigt R. **Radiobiol Radiother (Berl)** 16(2):241–3, 1975 (Eng. Abstr.) **(Ger)**

[Scintigraphic–splenoportographic comparisons in tumorous and non–tumorous liver diseases] Chripta FP. **Radiol Diagn (Berl)** 16(1):69–77, 1975 (Eng. Abstr.) **(Ger)**

[Value and limitations of myeloscintigraphy] Dietrich J, et al. **Radiol Diagn (Berl)** 16(1):43–8, 1975 (Eng. Abstr.) **(Ger)**

[Liquor space diagnosis using 99m Tc–HSA, 131 I–HSA or 169 Yb–Ca–DTPA] Döge H, et al. **Radiol Diagn (Berl)** 16(1):49–55, 1975 (Eng. Abstr.) **(Ger)**

[Comparison of angiographic and scintigraphic results in the diagnosis of soft–part tumors] Fadeev NP, et al. **Radiol Diagn (Berl)** 16(1):79–84, 1975 (Eng. Abstr.) **(Ger)**

[Results of skeletal scintigraphy in spondylitis] Gebert G, et al. **Radiol Diagn (Berl)** 15(1):73–82, 1974 (Eng. Abstr.) **(Ger)**

[99m Technetium–labelled tetracycline for kidney scintigraphy (animal experiment studies and 1st clinical experiences)] Krüger M, et al. **Radiol Diagn (Berl)** 16(1):17–22, 1975 (Eng. Abstr.) **(Ger)**

[Correlation of perfusion scintigram, radiological result and pulmonary function tests in chronic bronchitis syndrome (author's transl)] Luschnitz E, et al. **Radiol Diagn (Berl)** 15(1):99–103, 1974 (Eng. Abstr.) **(Ger)**

[Does the combination of pancreas scintigraphy and duodenography in hypotonia improve diagnostical statement (author's transl)] Luschnitz E, et al. **Radiol Diagn (Berl)** 15(1):93–7, 1974 (Eng. Abstr.) **(Ger)**

[Pancreas scintigraphy with scintillation camera (author's transl)] Markwardt J, et al. **Radiol Diagn (Berl)** 15(1):83–91, 1974 **(Ger)**

[Results of nuclear medical and electroencephalographic examinations after brain tumour operation (author's transl)] Otto HJ, et al. **Radiol Diagn (Berl)** 15(1):47–66, 1974 (Eng. Abstr.) **(Ger)**

[Diagnosis of inflammatory renal diseases with sequence scintigraph compared to radiological methods] Otto HJ, et al. **Radiol Diagn (Berl)** 16(4):505–34, 1975 (Eng. Abstr.) **(Ger)**

[The diagnostical value of pancreas scintigraphy in diabetes mellitus (author's transl)] Spesivzeva VG, et al. **Radiol Diagn (Berl)** 16(1):85–90, 1975 (Eng. Abstr.) **(Ger)**

[Pancreas scan (author's transl)] Schneider C, et al. **Radiologe** 15(5):203–9, May 75 (Eng. Abstr.) **(Ger)**

[Radioisotopes used for routine diagnosis in nuclear medicine] Kampmann H, et al. **Roentgenpraxis** 28(6):142–52, Jun 75 **(Ger)**

[Nuclear medicine functional diagnosis using scintillation camera and electronic data processing] Lange S, et al. **Roentgenpraxis** 28(8):181–97, Aug 75 **(Ger)**

[Technetium citrate, new radiopharmaceutical for tumor diagnosis] Benes I, et al. **Strahlentherapie [Sonderb]** 74:107–16, 1975 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of radioiodine–labeled organic mercury compounds] Deckart H, et al. **Strahlentherapie [Sonderb]** 74:134–41, 1975 (Eng. Abstr.) **(Ger)**

[1st experiences with functional scintigraphy of tear ducts] Dressler J, et al. **Strahlentherapie [Sonderb]** 74:378–81, 1975 (Eng. Abstr.) **(Ger)**

[Prognostic value of bone scintigraphy in fractures of the lower extremities] Fasol P, et al. **Strahlentherapie [Sonderb]** 74:361–3, 1975 **(Ger)**

[Scintigraphic evidence of bone metastases in prostate cancer] Georgi P, et al. **Strahlentherapie [Sonderb]** 74:339–41, 1975 **(Ger)**

[Value of scintigraphy for early detection of joint involvement in psoriasis] Hahn K, et al. **Strahlentherapie [Sonderb]** 74:343–5, 1975 **(Ger)**

[Diagnosis of liver metastases with a combination of 57Co–bleomycin and 99mTc–sulfur colloid] Haubold U. **Strahlentherapie [Sonderb]** 74:490–5, 1975 (Eng. Abstr.) **(Ger)**

[Bone scintigraphy with 87mStrontium in Sudeck's bone dystrophy] Kutzner J, et al. **Strahlentherapie [Sonderb]** 74:357–60, 1975 **(Ger)**

[Bone scintigraphy in osteomyelitis] Schmidt HA, et al. **Strahlentherapie [Sonderb]** 74:336–8, 1975 **(Ger)**

[Possibilities and limitations of nuclear medical studies in skeletal diagnosis. Critical analysis from the radiological standpoint] Wickenhauser J. **Strahlentherapie [Sonderb]** 74:364–73, 1975 **(Ger)**

[Combined scintigraphy and sonography for the diagnostic evaluation of parenchymatous organs] Wimmer B, et al. **Strahlentherapie [Sonderb]** 74:428–33, 1975 (Eng. Abstr.) **(Ger)**

[Dependability of cerebral scintigraphy in the detection of neoplasms] Rösler H, et al. **Ther Umsch** 31(10):738–47, Oct 74 (Eng. Abstr.) **(Ger)**

[Nuclear medical techniques in diagnostics of urological diseases (author's transl)] Deininger HK, et al. **Urologe [A]** 15(1):21–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Scintigraphic functional analysis with the gamma camera during renal perfusion (author's transl)] Fischer D, et al. **Urologe [A]** 15(1):50–4, Jan 76 (Eng. Abstr.) **(Ger)**

[Significance of myocardial perfusion–scanning. Comparison with selective coronary angiography and left ventricular angiography] Liese W, et al. **Verh Dtsch Ges Inn Med** 81:280–3, 1975 **(Ger)**

[Results of liver scintigraphy in chronic liver diseases] Endert G, et al. **Z Aerztl Fortbild (Jena)** 70(9):467–70, 1 May 76 **(Ger)**

[Joint scintigraphy using 99mTc pyrophosphate] Mirtl B, et al. **Z Rechtsmed** 34(5–6):149–54, May–Jun 75 (Eng. Abstr.) **(Ger)**

[Isotope nephrography in the 2d half of pregnancy] Baran P, et al. **Zentralbl Gynaekol** 98(6):355–67, 1976 (Eng. Abstr.) **(Ger)**

[Semiquantitative evaluation of isotope nephrograms in long–term continuous intake of contraceptive steroids] Voigt R, et al. **Zentralbl Gynaekol** 98(6):351–4, 1976 (Eng. Abstr.) **(Ger)**

[Radioisotope diagnosis by means of gamma scintigraphy in the maxillofacial region] Hardt N, et al. **ZWR** 85(9):417–21, 10 May 76 **(Ger)**

[Routine isotope cystography using 99M Tc sulfur colloid for detection and follow–up of vesico–ureteral reflux] Nissenkorn I, et al. **Harefuah** 89(8):349–51, 15 Oct 75 (Eng. Abstr.) **(Heb)**

[Factors influencing the formation of 113mIn–Fe(OH)3 macroagregates] Bánfalvi G, et al. **Acta Pharm Hung** 45(5):215–21, Sep 75 (Eng. Abstr.) **(Hun)**

[Preparation of colloidal 99mTc2–S7 for liver scintigraphy] Láng J, et al. **Acta Pharm Hung** 45(5):189–95, Sep 75 (Eng. Abstr.) **(Hun)**

[Diagnostic value of lung scintigraphy in right–left shunt] Csákány G, et al. **Orv Hetil** 116(36):2111–4, 7 Sep 75 **(Hun)**

[Scintiscanning of the bone of the skull using Tc99m–pyrophosphate] Smaltino F, et al. **Acta Neurol (Napoli)** 30(1):62–70, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Photoscintigraphy using I 131–19–iodocholesterol in the diagnosis of adrenal gland diseases (case reports)] Fresco G, et al. **Arch E Maragliano Patol Clin** 30(1):87–107, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Aspects of the use of Cs131 in the differential diagnosis of thyroid nodules] Pagliaini R, et al. **Arch E Maragliano Patol Clin** 30(1):53–68, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Sn–calcium gluconate–Tc99m complex—a new positive indicator in pulmonary oncoscintigraphy] Carratu L, et al. **Arch Monaldi** 30(3):213–26, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Evaluation of the extension of the infarctual zone and of the myocardial perfusion by means of selective coronary scintigraphy] Contini C, et al. **Boll Soc Ital Cardiol** 17(9):675–82, 1972 **(Ita)**

[Diagnosis and follow–up of pulmonary embolism by means of scintigraphy] Giuntini C, et al. **Boll Soc Ital Cardiol** 17(10):929–39, 1972 **(Ita)**

[Coronary circulation studied with PHO gamma camera and Tc 99m (preliminary note)] Indovina I, et al. **Boll Soc Ital Cardiol** 18(4):349–56, 1973 (Eng. Abstr.) **(Ita)**

[Quantitative radioisotope angiography of large arterial vessels] Indovina I, et al. **Boll Soc Ital Cardiol** 18(11):1047–56, 1973 (Eng. Abstr.) **(Ita)**

[Heart scintigraphy by means of Cesium 131 in myocardial infarct and in ischemic heart disease] Battistini G, et al. **G Clin Med** 55(9):613–33, Sep 74 (Eng. Abstr.) **(Ita)**

[Hepatic scintiscanning with Au 198 and hepatic blood flow with Au 198 in the study of chronic hepatopathies with portal hypertension and with porto–systemic collateral circulation] pp. 329–30. Vancini B, et al. **In: XVII Giornate Mediche di Montecatini. Pisa, Lischi, 1974. W3 GI509 1974r.** **(Ita)**

[Radioactive isotopes in the diagnosis and therapy of thyroid diseases] Cammarota V. **Minerva Med** 66(62):3123–7, 22 Sep 75 **(Ita)**

[Hepatic scintigraphy. Diagnostic possibilities and limitations] Cammarota V. **Minerva Med** 66(62):3180–4, 22 Sep 75 **(Ita)**

[Radioisotope methods and technics in obstetrical and gynecological diagnosis] Laconi A, et al. **Minerva Med** 66(85):4561–8, 12 Dec 75 (Eng. Abstr.) **(Ita)**

[Scintigraphic diagnosis of tumors in infancy] Mussa GC, et al. **Minerva Med** 67(6):366–83, Feb 76 (Eng. Abstr.) **(Ita)**

[Incidence of hepatic metastases of breast cancer. Scintigraphic study with radiocolloids in 111 patients] Sasso FS, et al. **Minerva Med** 67(20):1325–35, 28 Apr 76 (Eng. Abstr.) **(Ita)**

[Advantages of radioisotope cisternography in the study of hydrocephalus in the newborn infant] Riva P, et al. **Minerva Pediatr** 28(3):116–7, 4 Feb 76 **(Ita)**

[Diagnostic significance of the liver scintigraphy in chronic liver diseases : comparison with liver needle biopsy] Spreafico G, et al. **Recent Prog Med (Roma)** 59(2):138–48, Aug 75 (Eng. Abstr.) **(Ita)**

[Scintigraphic exploration of the breast, using Ga67] Ambrosini A, et al. **Riv Ital Ginecol** 56(2):117–26, Mar 75 (Eng. Abstr.) **(Ita)**

[Angioscintigraphy in the study of cerebrovascular accidents (author's transl)] Tosi L, et al. **Riv Patol Nerv Ment** 96(2):135–48, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Bone marrow scanning (author's transl)] Salvatore M, et al. **Tumori** 61(3):249–54, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Study of tear flow using radioactive isotope (author's transl)] Murai Y. **Acta Soc Ophthalmol Jpn** 79(10):1405–13, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Clinical experience with a new adrenal scanning agent, 6 beta–iodomethyl–19–nor–cholest–5(10)–en–3 beta–01–131I(NCL–6–131I, Adsterol)] Fukuchi S, et al. **Clin Endocrinol (Tokyo)** 23(10):1051–6, Oct 75 **(Jpn)**

[Superior sagittal sinus thrombosis – with special reference to regional cerebral blood flow and brain scanning] Okada K, et al. **Clin Neurol (Tokyo)** 15(11):805–10, Nov 75 (Eng. Abstr.) **(Jpn)**

[Lung scintiscanning in congenital heart diseases with pulmonary hypertension–with special reference to its relationship to surgical indication] Nakamura T. **J Jpn Assoc Thorac Surg** 23(12):1430–42, Dec 75 (Eng. Abstr.) **(Jpn)**

[Scintigraphic study of radiation effect on parametrium infiltration of cervical cancer (author's transl)] Miura S, et al. **J Jpn Soc Cancer Ther** 10(4):475–87, 20 Dec 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Significance of lung scanning in mitral valve diseases] Murata H, et al. **Jpn Circ J** 39(7):849, Jul 75 **(Jpn)**

[A case of consumption coagulopathy due to atrial giant thrombus. Detection of thrombus by scintillation camera using fibrinogen labelled with 125I, 131I and warfarin–aspirin combination therapy (author's transl)] Ikematsu S, et al. **Jpn J Clin Hematol** 16(5):530–6, May 75 (Eng. Abstr.) **(Jpn)**

[Radioisotope diagnosis of liver neoplasms with 57Co–bleomycin, with special reference to primary liver neoplasms] Hasegawa Y, et al. **Jpn J Clin Med** 33(11):3286–90, 10 Nov 75 **(Jpn)**

[Cardiac pool scintigraphy with 99mTc–human serum albumin] Hara M, et al. **Jpn J Clin Radiol** 21(1):35–40, Jan 76 **(Jpn)**

[Renal scintigraphy—9. Kidney transplantation] Ishibashi A. **Jpn J Clin Radiol** 20(5):441–2, May 75 **(Jpn)**

[Scintigraphy of parathyroid adenoma] Kato Y, et al. **Jpn J Clin Radiol** 21(2):189–94, Feb 76 **(Jpn)**

[Bone scanning with 18F] Kawana M. **Jpn J Clin Radiol** 20(11):1003–4, Oct 75 **(Jpn)**

[Tumor scintigraphy. 2, 67Ga scintigraphy of the thorax] Machida K. **Jpn J Clin Radiol** 20(7):722–4, Jul 75 **(Jpn)**

[Scintigraphy for neoplasms—1. radioactive medicine] Machida K. **Jpn J Clin Radiol** 20(6):525–6, Jun 75 **(Jpn)**

[Radioisotope scanning of neoplasms. 4. 67Ga scintigram of the chest] Machida K. **Jpn J Clin Radiol** 20(9):781–3, Sep 75 **(Jpn)**

[Tumor scintigraphy. 3. Otorhinolaryngologic field] Machida K. **Jpn J Clin Radiol** 20(8):695–6, Aug 75 **(Jpn)**

Radioisotope scanning of neoplasms 5. 111–In–bleomycin] Machida K. **Jpn J Clin Radiol** 20(11):1041–2, Oct 75 **(Jpn)**

[Scintigraphy of neoplasms. 6. Hepatoma] Machida K. **Jpn J Clin Radiol** 20(12):1123–4, Nov 75 **(Jpn)**

[Tumor scintigraphy. 7. Scintigrams of abdominal tumor] Machida K. **Jpn J Clin Radiol** 20(13):1197–8, Dec 75 **(Jpn)**

[Tumor scintigraphy. 8. Malignant lymphoma] Machida K. **Jpn J Clin Radiol** 21(1):77–8, Jan 76 **(Jpn)**

[Tumor scintigraphy. (9). Melanoma] Machida K. **Jpn J Clin Radiol** 21(2):205–6, Feb 76 **(Jpn)**

[Diagnosis of parathyroid diseases in nuclear medicine] Morita R, et al. **Jpn J Clin Radiol** 20(5):365–75, May 75 (66 ref.) **(Jpn)**

[Angiography and 131I–MAA scanning in bone tumors] Morita Y, et al. **Jpn J Clin Radiol** 21(1):25–34, Jan 76 **(Jpn)**

[Differential diagnosis of right upper abdominal masses in children – the value of hepatoscintigraphy and abdominal aortography] Nishiyama S, et al. **Jpn J Clin Radiol** 21(2):169–76, Feb 76 **(Jpn)**

[Diagnosis of mediastinal thymoma using 75 Se-selenomethionine] Ogino K, et al. **Jpn J Clin Radiol** 21(2):183–7, Feb 76 **(Jpn)**

[Comparative study of angiography and scanning in the diagnosis of liver tumors] Ohishi H, et al. **Jpn J Clin Radiol** 21(2):177–82, Feb 76 **(Jpn)**

[Radioisotope test for brain neoplasms] Uemura K. **Jpn J Clin Radiol** 20(9):737–47, Sep 75 **(Jpn)**

[Clinical evaluation of scintigraphy for neoplasms with 57 Co–bleomycin] Watanabe K, et al. **Jpn J Clin Radiol** 20(6):495–502, Jun 75 **(Jpn)**

[Differential diagnosis of bone neoplasms radioisotope scanning] Yamasaki T. **Jpn J Clin Radiol** 20(11):993–1001, Oct 75 **(Jpn)**

[Primary bone neoplasms] Yui N. **Jpn J Clin Radiol** 20(11):1005–7, Oct 75 **(Jpn)**

[67 Ga scanning of brain tumor – a comparison with 99m Tc scanning] Akisada M, et al. **Jpn J Nucl Med** 12(3):221–33, Jun 75 (Eng. Abstr.) **(Jpn)**

[Myocardial scintigraphy using Tc99m–(Sn) diphosphonate] Ishii Y, et al. **Jpn J Nucl Med** 12(6):667–72, Dec 75 **(Jpn)**

[Evaluation of the liver scintigraphy with technetium–tin–colloid (99Tc–Sn–colloid) I. Experimental study a comparison with 198Au–colloid] Kimura K, et al. **Jpn J Nucl Med** 12(3):235–43, Jun 75 **(Jpn)**

[Whole body bone scintigram with technetium–phosphate (99Tc) compounds – studies on several compounds and their problems from the standpoint of clinical application and studies on detection of metastatic bone tumors] Oyamada H, et al. **Jpn J Nucl Med** 12(3):273–89, Jun 75 (Eng. Abstr.) **(Jpn)**

[Introduction of pulmonary scintigraphy using 133Xe] Horai Z. **Jpn J Thorac Dis** 13(10):569–70, Oct 75 **(Jpn)**

[Dynamic study of urinary bladder, using 99mTc–(SN)–DTPA and gamma–scintillation camera (preliminary report) (author's transl)] Miyazaki M, et al. **Jpn J Urol** 66(11):770–80, Nov 75 (Eng. Abstr.) **(Jpn)**

[Diagnostic significance of adrenal computer scintigram associated with liver scan and selective adrenal venography (author's transl)] Ohashi T, et al. **Jpn J Urol** 67(6):389–401, Jun 76 (Eng. Abstr.) **(Jpn)**

[Bone scintigraphy in neurosurgical practice (author's transl)] Handa J, et al. **Neurol Surg (Tokyo)** 3(5):399–405, May 75 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of brain scintigrams for basal midline lesions (author's transl)] Ikeda T, et al. **Neurol Surg (Tokyo)** 3(11):929–37, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Some characteristic features of RI–cisternography in infancy and childhood (author's transl)] Kokubo Y, et al. **Neurol Surg (Tokyo)** 4(2):155–62, Feb 76 (Eng. Abstr.) **(Jpn)**

[RI–cisternography (author's transl)] Nishimoto A, et al. **Neurol Surg (Tokyo)** 4(1):7–17, Jan 76 (80 ref.) **(Jpn)**

Penetration of 99mTcO4– into cerebrospinal fluid from blood on brain scintigraphy (author's transl)] Takeyama E, et al. **Neurol Surg (Tokyo)** 3(5):389–97, May 75 (Eng. Abstr.) **(Jpn)**

[Brain scanning of the posterior fossa tumors (author's transl)] Tsuyuma M, et al. **Neurol Surg (Tokyo)** 3(12):993–1000, Dec 75 (Eng. Abstr.) **(Jpn)**

[RI–cisternography of traumatic pneumocephalus (author's transl)] Yamaguchi K, et al. **Neurol Surg (Tokyo)** 3(5):381–7, May 75 (Eng. Abstr.) **(Jpn)**

[Adenopathy of the sternophrenic angle lymph nodes (Lnn. sternales diaphragmatici). Radioisotopic and roentgenologic studies (author's transl)] Kobayashi T, et al. **Nippon Acta Radiol** 36(1):29–34, 1976 (Eng. Abstr.) **(Jpn)**

[Renal scintigtapy with 99mTc–gluconate (author's transl)] Koga I, et al. **Nippon Acta Radiol** 36(2):121–7, 1976 **(Jpn)**

[Evaluation of diagnostic value of adrenal scintiscanning and venography (author's transl)] Okuyama T, et al. **Nippon Acta Radiol** 35(12):1098–106, 1975 (Eng. Abstr.) **(Jpn)**

[Acute myocardial infarct. (XI) Myocardial scintiscanning by 99mTc–PYP] Kanemoto N. **Respir Circ (Tokyo)** 24(3):204, Mar 76 **(Jpn)**

[Scintiscanning of arthritis and analysis of the radioisotope accumulation curve] Yamagishi T, et al. **Ryumachi** 15(3):199–208, Oct 75 (Eng. Abstr.) **(Jpn)**

Letter: Bone scanning. Freeman LM, et al. **JAMA** 235(18):1965–6, 3 May 76 **(Pol)**

[Use of radioisotope methods in the diagnosis of pulmonary hypertension] Dziuk E, et al. **Kardiol Pol** 18(4):347–54, 1975 (Eng. Abstr.) **(Pol)**

[Radioisotope localization of the placenta from a pediatrician's standpoint] Rokicki W. **Pediatr Pol** 51(1):85–8, Jan 76 **(Pol)**

[Radioisotope studies in vivo in pediatric diagnosis. II. Principles of isotope methods for lung evaluation] Rokicki W. **Pediatr Pol** 51(3):323–8, Mar 76 **(Pol)**

[Radioisotope studies in vivo in pediatric diagnosis. 3. Clinical use of isotope lung evaluation in children] Rokicki W. **Pediatr Pol** 51(3):329–36, Mar 76 (13 ref.) **(Pol)**

[Heart scintigraphy by means of stannous pyrophosphate labelled with technetium–99m in the diagnosis of myocardial infarct] Dubiel JP, et al. **Pol Arch Med Wewn** 55(3):229–43, 1976 (Eng. Abstr.) **(Pol)**

[Scintigraphic diagnosis of pulmonary embolism. I. Value of the radioisotope method] Dziuk E. **Pol Arch Med Wewn** 54(4):345–57, Oct 75 (Eng. Abstr.) **(Pol)**

[Scintigraphic diagnosis of pulmonary embolism. II. Differential diagnosis] Dziuk E. **Pol Arch Med Wewn** 54(5):409–18, Nov 75 (Eng. Abstr.) **(Pol)**

[Adrenal scintigraphy with 131–iodocholesterol in recurrent adrenocortical hyperactivity following bilateral adrenalectomy] Kasperlik–Zaluska A, et al. **Pol Arch Med Wewn** 55(4):343–9, 1976 (Eng. Abstr.) **(Pol)**

[Isotopes and labelled agents used in scintiscanning of malignant neoplasms (author's transl)] Jakubowski W. **Pol Przegl Radiol** 40(1):57–60, Jan–Feb 76 (50 ref.) **(Pol)**

[Assessment of perfusion disorders in asthma by means of lung scintiscanning] Wasek Z, et al. **Pol Tyg Lek** 31(9):345–7, 1 Mar 76 (Eng. Abstr.) **(Pol)**

[Scintillographic diagnosis] de Medeiros Neto GA. **Rev Assoc Med Bras** 21(9):286, Sep 75 **(Por)**

[Scintillographic diagnosis] de Medeiros Neto GA, et al. **Rev Assoc Med Bras** 21(10):314, Oct 75 **(Por)**

[Scintigraphic diagnosis] de Medeiros Neto GA. **Rev Assoc Med Bras** 21(12):384, Dec 75 **(Por)**

[Scintigraphic diagnosis] de Medeiros Neto GA. **Rev Assoc Med Bras** 22(1):37–8, Jan 76 **(Por)**

[Diagnostic value of pulmonary scintigraphy using MAA–I 131 in stenosis of the branch of the pulmonary artery] Knobel E, et al. **Rev Assoc Med Bras** 21(12):354–6, Dec 75 (Eng. Abstr.) **(Por)**

[Scintillographic diagnosis] Neto GA. **Rev Assoc Med Bras** 22(1):37–8, Jan 76 **(Por)**

[Scintillographic diagnosis] Neto GA. **Rev Assoc Med Bras** 22(2):68, Feb 76 **(Por)**

[Functional and morphological study of chronic parotiditis by radioisotope methods] Chicoş G, et al. **Rev Chir [Otorinolaringol]** 20(1):49–55, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Comparative study of spirographic values and scintigraphic aspects in patients with bronchopulmonary diseases] Jozefovics F, et al. **Rev Ig [Pneumoftiziol]** 24(2):113–5, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Cerebral scintiscanning in the diagnosis of neurosurgical diseases] Balint St, et al. **Rev Med Intern [Neurol Psihiatr]** 20(3):221–8, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Diagnostic possibilities of scintigraphy in acute and chronic osteomyelitis] Kasatkin IuN, et al. **Eksp Khir Anesteziol** (5):42–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Diagnosis of intra–atrial thrombosis in patients with rheumatic heart defects by the method of roentgenoscanning] Kaidash AN, et al. **Grudn Khir** (3):36–41, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Radioisotope diagnosis of osteogenic sarcoma] Ivanovskiĭ GL, et al. **Klin Khir** (12):42–4, Dec 75 **(Rus)**

[Scanning of the lungs in spontaneous pneumothorax] Ginzburg MA, et al. **Klin Med (Mosk)** 53(12):86–90, Dec 75 (Eng. Abstr.) **(Rus)**

[Radioisotope cholecystometry in the diagnosis of diseases of the gallbladder] Pirogov AB. **Klin Med (Mosk)** 53(11):75–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Digital scanning in suppurative lung diseases] Trotsenko BA. **Klin Med (Mosk)** 52(1):77–82, Jan 74 **(Rus)**

[Medical radioisotope scintigraphy (physico–technical methods and means of collection of information)] El'kind EIu. **Med Radiol (Mosk)** 20(4):68–5, Apr 75 **(Rus)**

[Spectrometric method of determination of spatial distribution of radioactive indicator] Fishman LIa, et al. **Med Radiol (Mosk)** 20(10):53–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Diagnostic device for examinations with inactive label] Kokhov ED, et al. **Med Radiol (Mosk)** 20(10):57–63, Oct 75 (Eng. Abstr.) **(Rus)**

[Evaluation of AU198–labeled colloids of different dispersity in radioisotope lymphography] Laricheva IP, et al. **Med Radiol (Mosk)** 20(11):76–8, Nov 75 **(Rus)**

[Optimization of collimator parameters for gamma–chamber] Livshits VB, et al. **Med Radiol (Mosk)** 21(1):41–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Radioisotope determination of blood ejection volume in arteriovenous fistula] Malov GA, et al. **Med Radiol (Mosk)** 20(10):3–8, Oct 75 **(Rus)**

[Electroroentgenoscanning in metastases of thyroid gland neoplasms] Marmorshtein SIa, et al. **Med Radiol (Mosk)** 20(10):13–7, Oct 75 **(Rus)**

[Radioisotope diagnosis of metastatic disease of the lymphatic system] Mechev DS, et al. **Med Radiol (Mosk)** 20(4):12–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Expediency of association of radioisotope and ultrasonic diagnosis] Muratkhodzhaev NK, et al. **Med Radiol (Mosk)** 20(11):39–44, Nov 75 (Eng. Abstr.) **(Rus)**

[Radioisotope myelocisternoscintigraphy] Naumenko IuI, et al. **Med Radiol (Mosk)** 20(4):3–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of radioisotope sialography] Stoll W, et al. **Med Radiol (Mosk)** 20(4):7–12, Apr 75 (Eng. Abstr.) **(Rus)**

[Dose loads in radiodiagnostic studies] Sukhomlina AN, et al. **Med Radiol (Mosk)** 21(3):73–6, Mar 76 **(Rus)**

[Dose loads in radiodiagnostic studies] Sukhomlina AN, et al. **Med Radiol (Mosk)** 21(3):73–6, Mar 76 **(Rus)**

[Bronchial arterioscanning in the diagnosis and differential diagnosis of lung cancer] Tsygankov AT, et al. **Med Radiol (Mosk)** 20(8):19–21, Aug 75 **(Rus)**

[Achievements and perspectives of radioisotope diagnosis of malignant tumors (according to materials in the 'Journal of Nuclear Medicine', 1974)] Zherbin EA, et al. **Med Radiol (Mosk)** 21(1):79–84, Jan 76 **(Rus)**

[Strontium–85 in differential diagnosis of bone neoplasms in children and adolescents] Ternovoĭ SK. **Ortop Travmatol Protez** (5):61–5, May 75 (Eng. Abstr.) **(Rus)**

[Radioisotope diagnosis of active foci of chronic osteomyelitis of the tubular bones] Urazgil'deev ZI, et al. **Ortop Travmatol Protez** (8):56–8, Aug 75 **(Rus)**

[Some aspects of evaluating the thyroid gland scanning image normally and in pathology] Polenko VK, et al. **Probl Endokrinol (Mosk)** 22(2):18–23, 1976 (Eng. Abstr.) **(Rus)**

[Scintigraphy of the testes] Gleĭzer IuI. **Urol Nefrol (Mosk)** (6):45–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radioisotope lower venography in bladder neoplasms] Lopatkin NA, et al. **Urol Nefrol (Mosk)** (5):40–3, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Radioisotope diagnosis of localized inflammatory processes in the abdominal cavity] Baranchuk VN. **Vestn Khir** 114(1):34–6, Jan 75 (Eng. Abstr.) **(Rus)**

[Scanning of primary and secondary orbital neoplasms with Se75–methionine] Gorskiĭ LA, et al. **Vestn Oftalmol** (1):49–54, 1976 (Eng. Abstr.) **(Rus)**

[Scanning of the lungs in complicated siderosilicosis] Brodskiĭ OB, et al. **Vrach Delo** (11):118–21, Nov 75 (Eng. Abstr.) **(Rus)**

[Importance of scanning in diagnosis of liver cirrhosis] Fedyshin PS, et al. **Vrach Delo** (11):67–71, Nov 75 (Eng. Abstr.) **(Rus)**

[Repeated brain scans in patients operated for intracranial neoplasms] Ugrinovski J, et al. **Acta Chir Iugosl** 23(2):109–28, 1976 (Eng. Abstr.) **(Ser)**

[Scanning of the spleen by means of In 113m] Dolgova–Korubin V. **God Zb Med Fak Skopje** 17:19–24, 1971 (Eng. Abstr.) **(Ser)**

[Scintiscan changes of the liver in chronic alcoholics] Nikolić V, et al. **Med Pregl** 29(3–4):113–7, 1976 (Eng. Abstr.) **(Ser)**

[Renal gammography] Domínguez Montero, et al. **Acta Oncol (Madr)** 11(1):45–6, May–Jun 76 **(Spa)**

[Agenesis of the right branch of the pulmonary artery, diagnosis by lung scan]. Ramos M, et al. **Arch Inst Cardiol Mex** 45(5):668–77, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

[Intravenous cerebral angioscintigraphy in cases of cerebrovascular insults (author's transl)] Haase J. **Folia Clin Int (Barc)** 25(1):9–20, Jan 75 (Eng. Abstr.) **(Spa)**

[Selenium–75 selenite in the evaluation of 89 cases of cold aereas obtained by colloid hepatic gammography: its diagnostic importance in primary liver carcinoma] Garrido G, et al. **Rev Clin Esp** 140(5):425–33, 15 Mar 76 (Eng. Abstr.) **(Spa)**

[Scintigraphic diagnosis of pulmonary embolism at a central hospital] Areskans L, et al. **Lakartidningen** 13(13):1220–2, 24 Mar 76 (Eng. Abstr.) **(Swe)**

[Scintigraphy of the pancreas] Christoffersson E, et al. **Lakartidningen** 73(33):2687–9, 11 Aug 76 **(Swe)**

[Medical use of isotopes] Nosslin B. **Lakartidningen** 13(13):1197, 24 Mar 76 **(Swe)**

ADVERSE EFFECTS

Letter: Radioactive contamination hazard from patients. Reece BL, et al. **Br J Radiol** 49(584):736, Aug 76

Letter: Toxicity of HEDP in humans. Citrin DL. **J Nucl Med** 17(5):417–8, May 76

Sudden hemorrhage in metastatic thyroid carcinoma of the brain during treatment with iodine–131. Holmquest DL, et al. **J Nucl Med** 17(4):307–9, Apr 76

Adverse reactions to radiopharmaceuticals. Shani J, et al. **Semin Nucl Med** 6(3):305–28, Jul 76

INSTRUMENTATION

Proceedings: A new detector for absorptiometric measurements. Bolon GG, et al. **Am J Roentgenol** 126(6):1272–3, Jun 76

Proceedings: Bone imaging using a gadolinium–153 source and a xenon–filled multiwire proportional counter as detector. Horsman A, et al. **Am J Roentgenol** 126(6):1273–5, Jun 76

Proceedings: Regional and whole–body bone mineral content measurement with a rectilinear scanner. Price RR, et al. **Am J Roentgenol** 126(6):1277–8, Jun 76

Gamma–camera uniformity as a function of energy and count–rate. Hasman A, et al. **Br J Radiol** 49(584):718–22, Aug 76

Noninvasive evaluation of regional myocardial perfusion in 112 patients using a mobile scintillation camera and intravenous nitrogen–13 labeled ammonia. Walsh WF, et al. **Circulation** 54(2):266–75, Aug 76

A nondedicated mini computer system for comprehensive gamma camera image processing and analysis. Grant ME, et al. **Comput Biomed Res** 8(3):201–21, Jun 75

Determination of liver volume by the use of a gamma camera connected with 1600 or 4096 channel analyser in diffuse liver diseases. Fujii M, et al. **Gut** 17(4):289–94, Apr 76 (18 ref.)

The design of parallel hole gamma camera collimators. Causer DA. **Int J Appl Radiat Isot** 26(6–7):355–62, Jun–Jul 75

Computerized method for 99mTc Thyroid uptake studies with gamma camera. Cauwe F, et al. **Int J Nucl Med Biol** 3(1):48–50, Jan 76

Multiwire proportional chambers in nuclear medicine: present status and perspectives. Perez–Mendez V, et al. **Int J Nucl Med Biol** 3(1):29–33, Jan 76

Bone scintigraph minification without equipment modification. Rauf CG, et al. **Int J Nucl Med Biol** 3(1):52–3, Jan 76

Letter: Simple construction of a lead–bar pattern. Aoki CT. **J Nucl Med** 16(5):441, May 75

Clinical efficacy of a large–field–of–view scintillation camera. Burdine JA, et al. **J Nucl Med** 16(12):1158–65, Dec 75

Modification of a rectilinear scanner to improve 67Ga scans. Cox RS, et al. **J Nucl Med** 16(12):1192–4, Dec 75

Analytical study of a high–resolution positron ring detector system for transaxial reconstruction tomography. Derenzo SE, et al. **J Nucl Med** 16(12):1166–73, Dec 75

A new 80–lens oscilloscope camera for routine dynamic organ scintigraphy. dos Remedios LV, et al. **J Nucl Med** 17(4):290–6, Apr 76

Collimation for imaging the myocardium. Graham LS, et al. **J Nucl Med** 17(5):401–3, May 76

Collimation for imaging the myocardium. II. Graham LS, et al. **J Nucl Med** 17(8):719–23, Aug 76

Letter: Performance of scintillation cameras. Grenier RP. **J Nucl Med** 17(7):665, Jul 76

Thallium–201: scintillation camera imaging considerations. Groch MW, et al. **J Nucl Med** 17(02):142–5, Feb 76

Letter: Performance of scintillation cameras. Hine GJ, et al. **J Nucl Med** 16(12):1206–7, Dec 75

Design and performance characteristics of a whole–body positron transaxial tomograph. Hoffmann EJ, et al. **J Nucl Med** 17(6):493–502, Jun 76

Dual–channel facilitation of the 99mTc radiocardiogram. Kaplan E, et al. **J Nucl Med** 16(8):789–92, Aug 75

Digital tomographic imaging with time–modulated pseudorandom coded aperture and Anger camera. Koral KF, et al. **J Nucl Med** 16(5):402–13, May 75

Simple and efficient system for fast interchange of low–energy collimators. Malamud H, et al. **J Nucl Med** 16(12):1195–6, Dec 75

Letter: Resolution limit of positron cameras. Muehllehner G. **J Nucl Med** 17(8):757–8, Aug 76

Converging collimation and a large–field–of–view scintillation camera. Murphy PH, et al. **J Nucl Med** 16(12):1152–7, Dec 75

Simplified method for determining the modulation transfer function for the scintillation camera. Nusynowitz ML, et al. **J Nucl Med** 16(12):1200–3, Dec 75

Field flood uniformity correction: benefits or pitfalls? Padikal TN, et al. **J Nucl Med** 17(7):653–6, Jul 76

Long–distance transmission of digital scintillation camera signals. Santon LW, et al. **J Nucl Med** 17(5):394–6, May 76

Minicomputer enhancement of scintillation camera images using fast Fourier transform techniques. Sebern MJ, et al. **J Nucl Med** 17(7):647–52, Jul 76

Letter: Coincidence and noncoincidence counting. Smith RO. **J Nucl Med** 17(02):153–4, Feb 76

Methods of correcting Anger camera deadtime losses. Sorenson JA. **J Nucl Med** 17(02):137–41, Feb 76

Optimized collimators for scintillation cameras. Swann S, et al. **J Nucl Med** 17(1):50–3, Jan 76

Letter: Scintillation camera versus rectilinear scanner for liver imaging. Turner DA. **J Nucl Med** 17(5):419–21, May 76

Use of the Anger scintillation camera for determining thyroid uptake. Verdon TA, et al. **J Nucl Med** 17(5):359–61, May 76

A high–frequency ultrasonic nebulizer system for radioaerosol delivery. Wasnich RD. **J Nucl Med** 17(8):707–10, Aug 76

A four–channel multiplexer for the point plotter (Houston Instruments Model 6550). Bakema H, et al. **Med Biol Eng** 12(3):340–3, May 74

Application of a digital filter to biomedical signals. Corte MD, et al. **Med Biol Eng** 12(3):374–7, May 74

A digital radioisotope scanning system. Shields RA, et al. **Med Biol Eng** 12(4):524–30, Jul 74

A digital data processor and colour system for the presentation of radioisotope–scan data. Smith DB, et al. **Med Biol Eng** 12(3):304–9, May 74

Lesion detectability as a function of pulse–height selection for dynamic imaging with 99mTc. Dubuque GL, et al. **Med Phys** 2(6):325–7, Nov–Dec 75

An inexpensive computer colour television system for the presentation of radionuclide scintigrams. Boardman AK. **Phys Med Biol** 21(2):289–92, Mar 76

Digital reconstruction of point sources imaged by a zone plate camera. Dance DR, et al. **Phys Med Biol** 20(3):747–56, Sep 75

Effects of 'matched filter' smoothing as measured by receiver operating characteristic curve. Herath KB, et al. **Phys Med Biol** 21(3):442–6, May 76

A simple dual isotope conversion for gamma cameras. Hudson FR, et al. **Phys Med Biol** 21(1):143–6, Jan 76

Correspondence: The fan–beam gamma camera. Keyes WI. **Phys Med Biol** 20(3):489–93, May 75

Influence of hole shape on collimator performance. Muehllehner G, et al. **Phys Med Biol** 21(2) Mar 76

A non–linear programming method for optimizing parallel–hole collimator design. Simmons GH, et al. **Phys Med Biol** 20(3):771–88, Sep 75

Digital processing of images from a zone plate camera. Wilson BC, et al. **Phys Med Biol** 20(3):757–70, Sep 75

Neuroradiological applications of the Ommaya reservoir system. Hekster RE, et al. **Radiol Clin (Basel)** 45(2–4):277–81, 1976

Quantitative assessment of field uniformity for gamma cameras. Cohen G, et al. **Radiology** 118(1):197–200, Jan 76

Imaging of tumors involving bone with 13N–glutamic acid. McDonald JM, et al. **Radiology** 120(3):623–6, Sep 76

A retractable, multi–view gas delivery apparatus. Ryerson RW. **Radiology** 118(2):463–4, Feb 76

Low–dosage x–ray imaging system employing flying spot x–ray microbeam (dynamic scanner). Tateno Y, et al. **Radiology** 121(1):189–95, Oct 76

Brain scanning with the Anger multiplane tomographic scanner as a primary examination. Evaluation by the ROC method. Turner DA, et al. **Radiology** 121(1):125–9, Oct 76

Brain scanning with the Anger multiplane tomographic scanner as a second examination evaluation by the ROC method. Turner DA, et al. **Radiology** 121(1):115–24, Oct 76

A figure of merit to define gamma camera performance. Ben–Porath M. **Strahlentherapie [Sonderb]** 74:382–8, 1975

New techniques of hard copy production from the gamma camera. Kitching RC, et al. **Strahlentherapie [Sonderb]** 74:434–9, 1975

Intubation macrodacryocystography and quantitative scintillography: the 'complete' lacrimal assessment. Hurwitz JJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP575–82, Jul–Aug 76

Nuclear lacrimal scan vs dacryocystography. Saparoff GR, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP566–74, Jul–Aug 76

[Letter: Practical characterization of the linearity of gamma camera counts] Morin PP, et al. **Int J Nucl Med Biol** 3(2):101–3, Apr 76 **(Fre)**

[Characteristics and operation of a computer–controlled scanning system] Guzzardi R, et al. **Strahlentherapie [Sonderb]** 74:418–27, 1975 (Eng. Abstr.) **(Fre)**

[Structure and properties of scanners] pp. 310–7. Klose B. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Quantitative processing of scintigraphical data with combination of scintillation camera and multichannel analyzer] pp. 317–22. Potschwadek B, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Structure, way of operation, advantages and disadvantages of various apparatus for localization diagnostics in nuclear medicine] pp. 306–10. Potschwadek B, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[3–detector gamma–encephalography] Abraham K, et al. **Radiobiol Radiother (Berl)** 16(2):181–95, 1975 (Eng. Abstr.) **(Ger)**

[First experiences with the system of dynacamera 3C/12–EPR 1100 in intravenous perfusion scintigraphy for the diagnosis of venous and arterial occlusions (author's transl)] Klose E, et al. **Radiobiol Radiother (Berl)** 17(1):77–82, 1976 (Eng. Abstr.) **(Ger)**

[Gamma camera with a coded aperture] Potschwadek B. **Radiobiol Radiother (Berl)** 17(1):51–9, 1976 (Eng. Abstr.) **(Ger)**

[The lag of a scintillation camera (Rho–Gamma III HP)] Woller P, et al. **Radiobiol Radiother (Berl)** 17(1):43–50, 1976 (Eng. Abstr.) **(Ger)**

[Holographic filtering: an optimal method for improving the information from scintigrams] Bofilias I, et al. **Strahlentherapie [Sonderb]** 74:440–4, 1975 (Eng. Abstr.) **(Ger)**

[Studies of the scintigraphic appearance of a 'cold' autonomous thyroid adenoma using process–computer–controlled data processing] Mahlstedt J, et al. **Strahlentherapie [Sonderb]** 74:496–502, 1975 (Eng. Abstr.) **(Ger)**

[Clinical application of 4000 hole Di/Con diverging collimator of our design for bone scintigraphy using 99mTc–diphosphonate] Fujimura K, et al. **Jpn J Nucl Med** 12(6):623–9, Dec 75 (Eng. Abstr.) **(Jpn)**

[Transverse scintigraphy by a new cathode ray tube (CRT)] Kashimori R, et al. **Jpn J Nucl Med** 12(3):291–4, Jun 75 **(Jpn)**

[Clinical uses of scinti–tomograms produced by a scintillation camera (author's transl)] Arimizu N. **Nippon Acta Radiol** 35(3):142–51, 25 Mar 75 (Eng. Abstr.) **(Jpn)**

[Usefulness of isotope scintigraphy in locating kidneys in biopsy] Margules J, et al. **Pol Tyg Lek** 31(29):1233–6, 19 Jul 76 (Eng. Abstr.) **(Pol)**

[Use of scintillation chamber in radioisotope diagnosis] Dubrovin SA, et al. **Med Radiol (Mosk)** 20(12):49–51, Dec 75 (Eng. Abstr.) **(Rus)**

['Dynamic phantom' for modeling organ movement in the living body] Kharaput AM, et al. **Med Radiol (Mosk)** 21(1):66–8, Jan 76 **(Rus)**

[Selection of photomaterials for recording in medical radioisotope scanning] Kuznetsov VA. **Med Radiol (Mosk)** 20(4):61–2, Apr 75 **(Rus)**

[Requirements for modern apparatus for x–ray diagnosis, radioisotope diagnosis and radiation therapy] Ankudinov VA, et al. **Med Tekh** (4):27–31, Jul–Aug 75 **(Rus)**

METHODS

A new technique for the localization of the cervix at 113mIn placental scintigraphy. Edeling CJ, et al. **Acta Obstet Gynecol Scand** 55(2):115–7, 1976

A profile scanning method of studying the release properties of different types of tablets in man. Alpsten M, et al. **Acta Pharm Suec** 13(2):107–22, 1976

Objective symmetry detector method for gammaencephalography. V. Variation in the subjective analysis of brain scintigrams. Lind M. **Acta Radiol [Diagn] (Stockh)** 17(2):129–35, Mar 76

Objective symmetry detector method for gammaencephalography. VI. Comparison with subjective evaluation of brain scintigraphy. Lind M. **Acta Radiol [Diagn] (Stockh)** 17(3):289–98, May 76

Objective symmetry detector method for gammaencephalography. I. Physical characteristics. Larsson S, et al. **Acta Radiol [Ther] (Stockh)** 14(1):63–80, Feb 75

Objective symmetry detector method for gammaencephalography. III. Diagnosis of abnormal 99TcmO4 distribution in the skull. Lind M, et al. **Acta Radiol [Ther] (Stockh)** 14(3):273–90, Jun 75

Objective symmetry detector method for gammaencephalography. II. Normal range. Lind M, et al. **Acta Radiol [Ther] (Stockh)** 14(2):145–63, Arp 75

Definition of myocardial perfusion by continuous infusion of krypton–81m. Kaplan E, et al. **Am J Cardiol** 37(6):878–84, May 76

Myocardial imaging in the noninvasive evaluation of patients with suspected ischemic heart disease. Pitt B, et al. **Am J Cardiol** 37(5):797–806, Apr 76

Liver–lung scan in the diagnosis of right subphrenic abscess. Middleton HM 3d, et al. **Am J Dig Dis** 21(3):215–22, Mar 76

Proceedings: A rectilinear scanning technique for bone mineral measurements in animals. Bevan JA, et al. **Am J Roentgenol** 126(6):1313–4, Jun 76

Proceedings: Recent advances in skeletal trans–imaging. Strash AM, et al. **Am J Roentgenol** 126(6):1278–9, Jun 76

Experience in parathyroid scanning. Arkles LB. **Am J Roentgenol Radium Ther Nucl Med** 125(3):634–9, Nov 75

Whole body transmission–emission scanning with whole body camera. Suzuki Y, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):978–80, Dec 75

Carcinoma of the thyroid with description of a new scanning technic. Withers EH, et al. **Am J Surg** 130(4):395–8, Oct 75

An intravenous radionuclide method to evaluate hypoxemia caused by abnormal alveolar vessels. Limitation of conventional techniques. Genovesi MG, et al. **Am Rev Respir Dis** 114(1):59–65, Jul 76

Isotope angiography: technique, validation and value in the assessment of arterial reconstruction. Moss CM, et al. **Ann Surg** 184(1):116–21, Jul 76

Gallium citrate Ga 67 imaging in patients with suspected inflammatory processes. Kumar B, et al. **Arch Surg** 110(10):1237–42, Oct 75

Detection of synovial cysts by transmission–emission scintigrams following intra–articular 169Yb–DTPA. Adiseshan N, et al. **Aust NZ J Med** 5(3):256–60, Jun 75

Quantitative lacrimal scintillography. II. Lacrimal pathology. Hurwitz JJ, et al. **Br J Ophthalmol** 59(6):313–22, Jun 75

Quantitative lacrimal scintillography. I. Method and physiological application. Hurwitz JJ, et al.

Br J Ophthalmol 59(6):308–12, Jun 75
Letter: Technetium bone–scanning complexes. Cox PH. **Br J Radiol** 49(579):297–8, Mar 76
A practical approach to transverse–section gamma–ray imaging. Keyes WI. **Br J Radiol** 49(577):62–70, Jan 76
Proceedings: Critical appraisal of scan minification. Potter R, et al. **Br J Radiol** 49(579):287, Mar 76
Observations of gastric mucosal blood flow using 99Tcm in rat and man. Taylor TV, et al. **Br J Surg** 62(10):788–91, Oct 75
Value of infarct–specific isotope (99mTc–labelled stannous pyrophosphate) in myocardial scanning. Ennis JT, et al. **Br Med J** 3(5982):517–20, 30 Aug 75
Arthroscintigraphy with technetium albumin in diagnosis of pseudophlebitis (Baker's) cyst. Watkins AE, et al. **Br Med J** 4(5988):86, 11 Oct 75
Skeletal scanning in neoplastic disease. O'Mara RE. **Cancer** 37(1 suppl):480–6, Jan 76
Radionuclide liver scans in tumor detection: current concepts. Spencer RP. **Cancer** 37(1 suppl):475–9, Jan 76
The value of scintigraphy in malignant disease. Galasko CS. **Cancer Treat Rev** 2(4):225–72, Dec 75 (167 ref.)
External detection and visualization of myocardial ischemia with 11C–substrates in vitro and in vivo. Weiss ES, et al. **Circ Res** 39(1):24–32, Jul 76
Radionuclide techniques in the assessment of myocardial ischemia and infarction. Beller GA, et al. **Circulation** 53(3 Suppl 1):123–5, Mar 76
Radionuclide methods in the evaluation of myocardial ischemia and infarction. Holman BL. **Circulation** 53(3 Suppl 1):112–9, Mar 76 (65 ref.)
Radionuclide methods in the evaluation of myocardial ischemia and infarction. Discussion. Pitt B, et al. **Circulation** 53(3 Suppl 1):121–3, Mar 76
Limitations of present radionuclide methods in the evaluation of myocardial ischemia and infarction. Ter–Pogossian MM. **Circulation** 53(3 Suppl 1):119–21, Mar 76
Radionuclide imaging of myocardial ischemia and infarction. Zaret BL. **Circulation** 53(3 Suppl 1):126–8, Mar 76
The diagnostic value of serial brain scanning. Christie JH, et al. **CRC Crit Rev Clin Radiol Nucl Med** 7(2):161–85, Dec 75 (62 ref.)
(18F) Fluoro–Dopa: a unique gamma emitting substrate for Dopa decarboxylase. Firnau G, et al. **Experientia** 31(11):1254–5, 15 Nov 75
Bone scanning with 99m–Tc–phosphates: a comparison and problems in the detection of tumor metastasis. Oyamada H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):17–22, Jan 76
Gastric emptying rate measurement in man. A double isotope scanning technique for simultaneous study of liquid and solid components of a meal. Heading RC, et al. **Gastroenterology** 71(1):45–50, Jul 76
Nuclear medicine imaging in two and three dimensions using digital computers. pp. 130–65. Budinger TF.
In: Enlander D, ed. Computers in laboratory medicine. New York, Academic Press, 1975. QY 26.5 C738 1975. (55 ref.)
Radioisotope cardiography (cardiac scintigraphy). pp. 203–7. Gottlieb S, et al.
In: Gordon MS, ed. Self–assessment in clinical cardiology II. Chicago, Year Book Medical Publishers, 1976. W3 SE38.
Scintitomography of brain tumor. pp. 210–20. Maki Y, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.
Myocardial imaging for the noninvasive evaluation of acute myocardial infarction and stable coronary heart disease. pp. 199–212. Zaret BL.
In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.
Fundamentals of scintiscanning—a refresher course. de Roo MJ. **J Belge Radiol** 58(6):489–98, Nov–Dec 75
Scintillation sc scanning using Tc 99m as a means of investigating mucosal lesions of the nose and para–nasal sinuses. Grant H, et al. **J Laryngol Otol** 88(10):919–26, Oct 74
Optic ataxia: clinical–radiological correlations with the EMIscan. Boller F, et al. **J Neurol Neurosurg Psychiatry** 38(10):954–8, Oct 75
Computerized axial tomography: the normal EMI scan. Gawler J, et al. **J Neurol Neurosurg Psychiatry** 38(10):935–47, Oct 75
Isotope sinograms. Technical note. Kapp JP, et al. **J Neurosurg** 44(3):393–4, Mar 76
Subtraction scanning of liver metastases with 67Ga and 99mTc. Erjavec M, et al. **J Nucl Biol Med** 19(2):53–7, Apr–Jun 75
Uneven deposition of minimicrospheres in patients with obstructive lung disease. Santolicandro A, et al. **J Nucl Biol Med** 19(2):112–20, Apr–Jun 75
Improved diagnosis of 'nondelineated' thyroid nodules by oblique scintillation scanning and echography. Blum M, et al. **J Nucl Med** 16(8):713–5, Aug 75
Double–tracer scintigraphy with 67Ga–citrate and 99mTc–sulfur colloid in the diagnosis of hepatic tumors. Buraggi GL, et al. **J Nucl Med** 17(5):369–73, May 76
Digital low–pass filtering Buzzi KW, et al. **J Nucl Med** 17(9):844–6, Sep 76
The spleen–lung interface as diagnostic information. DeLuca SA, et al. **J Nucl Med** 16(9):822–4, Sep 75
Interpolative background subtraction. Goris ML, et al. **J Nucl Med** 17(8):744–7, Aug 76
Techniques for positron scintigraphy of the brain. Hoop B, et al. **J Nucl Med** 17(6):473–9, Jun 76
Letter: Bone–scanning agents: distribution and scanning time. Howard BY, et al. **J Nucl Med** 16(10):958, Oct 75
Improvement of scintigram reliability by isocount scanning and multilevel analysis. Ikebe J, et al. **J Nucl Med** 16(10):938–43, Oct 75
Functional imaging of intrarenal blood flow using scintillation camera and computer. Ishii Y, et al. **J Nucl Med** 16(10):899–907, Oct 75
Letter: Rib erasure utilizing nine–point smoothing. Lancaster JL, et al. **J Nucl Med** 17(1):68–9, Jan 76
Combination of renal and adrenal scanning in the diagnosis of renovascular hypertension: case report. Sanguineti M, et al. **J Nucl Med** 17(5):378–9, May 76
The fate of four 75Se–labeled amino acids: studies of some unsuccessful pancreas–scanning agents. Tothill P, et al. **J Nucl Med** 16(10):933–7, Oct 75
Diagnosis of pulmonary embolism: a comparison of the lung scan with other diagnostic techniques. Lucas SK. **J Okla State Med Assoc** 69(5):155–61, May 76
The interpretation of step filtered equivocal brain scintigrams. Houston AS. **J R Nav Med Serv** 62(1):21–9, Spring 76
Radionuclides in the diagnosis of suprarenal masses. Hamway SA, et al. **J Urol** 114(6):797–801, Dec 75
Accurate determination of renal function by renal histography without collection of blood or urine. II. Correlation of the renal histogram and renal function. Skripka CF Jr, et al. **J Urol** 114(6):809–12, Dec 75
Tumor diagnosis using short–lived radioactive compounds: a new approach. Fawwaz RA, et al. **Med Hypotheses** 1(1):29–31, Jan–Feb 75
Orbital scintigraphy with specialized vectors. Verin P, et al. **Mod Probl Ophthalmol** 14:178–80, 1975
Idiopathic hypertrophic subaortic stenosis: detection by thallium 201 myocardial perfusion imaging. Bulkley BH, et al. **N Engl J Med** 293(22):1113–6, 27 Nov 75
Results of brain scanning with different radioisotopes (99m Tc–PP, 99m Tc–DTPA, 67Ga citrate). Part 1: Study of meningiomas. Amici F, et al. **Neuroradiology** 9(3):157–61, 7 Aug 75
Computer processing of the scintigraphic image using digital filtering techniques. Matsuo M. **Nippon Acta Radiol** 36(2):159–77, 1976
Tc–99m labeled complexes of aldehydes and glutamate as cholescintigraphic agents. Barnes WE, et al. **Nucl Med (Stuttg)** 14(4):330–8, 15 Dec 75
Specific diagnosis of brain disease with double isotope brain scanning. Ell PJ, et al. **Nucl Med (Stuttg)** 15(1):32–5, Feb 76
Methods for the study of regional myocardial perfusion in patients with atherosclerotic coronary artery disease: findings at rest after nitroglycerin and during angina pectoris. Maseri A, et al. **Nucl Med (Stuttg)** 15(1):1–8, Feb 76
Angioscintiphotography with 99mTc in 310 cases of space–occupying kidney lesions. Tori G, et al. **Nucl Med (Stuttg)** 14(2):133–43, 30 June 75
Lung scanning using microspheres labeled with radioactive isotopes in the diagnosis and evaluation of therapeutic results in pulmonary malignant neoplasms. Dziuk E, et al. **Pol Med Sci Hist Bull** 15(2):213–21, Mar–Apr 75
Microphotometry as a tool for automatic scanning of solid state nuclear track detectors. Kienzler B, et al. **Radiat Environ Biophys** 12(1):77–80, 13 Jun 75
New diagnostic possibilities of a combined radiocardiopulmocirculographic method in pulmonology. Vaskov LS. **Radiobiol Radiother (Berl)** 16(4):467–72, 1975
Serial radionuclide determinations of the electron fraction with 99mTc–labeled red blood cells. Alderson PO, et al. **Radiology** 119(3):729–30, Jun 76
The role of 133Xe ventilation studies in the scintigraphic detection of pulmonary embolism. Alderson PO, et al. **Radiology** 120(3):633–40, Sep 76
Internal mammary lymphoscintigraphy. The rationale, technique, interpretation and clinical application: a review based on 848 cases. Ege GN. **Radiology** 118(1):101–7, Jan 76
Inhalation scintigraphy with radioaerosols in bronchogenic carcinoma. Itoh H, et al. **Radiology** 119(3):623–31, Jun 76
Disparate imaging of the autonomous functioning thyroid nodule with 99mTc–pertechnetate and radioiodine. Miller JM, et al. **Radiology** 119(3):737–9, Jun 76
Atraumatic evaluation of myocardial revascularization procedures with 43K1. Smith RO, et al. **Radiology** 114(1):99–106, Jan 75
A positron–emission transaxial tomograph for nuclear imaging (PETT). Ter–Pogossian MM, et al. **Radiology** 114(1):89–98, Jan 75
Preparation and evaluation of 111In–labeled leukocytes as an abscess imaging agent in dogs. Thakur ML, et al. **Radiology** 119(3):731, Jun 76
External localization of solitary bone lesion for biopsy. Winter PF. **Radiology** 120(3):730–1, Sep 76
Diagnostic value of computer–assisted quantitative radioisotope angiocardiography. Abbati A, et al. **Ric Clin Lab** 5(2):169–89, Apr–Jun 75 (Eng. Abstr.)
Use of the radioiodinated Rose Bengal in the study of icterogenic hepatopathies. Franchi R, et al. **Ric Clin Lab** 5(1):73–95, Jan–Mar 75
Adrenal gland photoscanning by means of 131I–iodinated cholesterol. Fresco G, et al. **Ric Clin Lab** 6(7):85–91, Jan–Mar 76
Pinhole imaging in Legg–Perthes disease: further observations. Danigelis JA. **Semin Nucl Med** 6(1):69–82, Jan 76
Radionuclide scanning of the spleen. Technical modification, normal variants and dimensions. Razzak MA, et al. **Strahlentherapie** 152(1):52–6, Jul 76
Indication of mediastinal lymph nodes metastases by radioaerosol inhalation lung scanning in pulmonary neoplasm. Isawa T, et al. **Tohoku J Exp Med** 118(3):283–8, Mar 76
Diagnostic value of 99mTc in scrotal scan. Mukerjee MG, et al. **Urology** 6(4):453–5, Oct 75
[Interpolation of x–ray–gram and thermogram – new method for localization of expansive intracranial processes and evaluation of the functional changes in the infrared area of electromagnetic spectrum in 3–dimensional space by means of Selaxon 2, thermoprofile and axonometric planes] Stavratjev M, et al. **Cesk Pediatr** 30(7–8):331–8, Aug 75 (Eng. Abstr.) **(Cze)**
[Myocardial scintigraphy] Wackers FJ. **Ned Tijdschr Geneeskd** 120(14):620–1, 3Apr 76 **(Dut)**
[Pancreas scanning: technique, indications and results (author's transl)] Frühling J, et al. **Acta Gastroenterol Belg** 37(10–11):488–502, Oct–Nov 74 (Eng. Abstr.) **(Fre)**
[Selective intracoronary injection of microspheres labeled with radioactive isotopes] Degeorges M, et al. **Ann Med Interne (Paris)** 126(6–7):471–5, Jun–Jul 75 **(Fre)**
[Radioisotopic lymphography by an indirect route of the abdomino–pelvic lymphatic chains. Value of antimony sulfocolloid labelled with technetium 99m (author's transl)] Arnaud D, et al. **Ann Radiol (Paris)** 18(5):509–12, Jul 75 (Eng. Abstr.) **(Fre)**
[Study of congenital cardiopathies with left–right shunt using gamma–angiocardiography] Itti R, et al. **Arch Mal Coeur** 69(6):565–72, Jun 76 (Eng. Abstr.) **(Fre)**
[Selective coronary scintigraphy using labelled microspheres] Vacheron A, et al. **Arch Mal Coeur** 69(5):449–57, May 76 (Eng. Abstr.) **(Fre)**
[300 pancreatic studies by means of electronic subtraction with the linear scintigraph] Dor LG. **J Belge Radiol** 58(5):411–21, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Cerebral angioscintigraphy] Akerman M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:299–305, 1975 **(Fre)**
[Scintigraphic results obtained in the study of neoplasms of the central nervous system with various radio–compounds] Amici F, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:288–90, 1975 **(Fre)**
[Computer analysis of activity–time curves in cerebral angioscintigraphy] Barbina V, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:400–2, 1975 **(Fre)**
[Differential diagnosis of cerebral scintigraphic foci with Se–75–selenite] Bestagno M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:287–8, 1975 **(Fre)**
[Use of mercury bichloride (Hg–197 Cl–2) in the study of pseudotumoral lung diseases] Biagini G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:371–6, 1975 **(Fre)**
[Value of scintigraphy with rose bengal in the diagnosis of jaundice. Experience in 73 surgically verified cases] Braibanti T, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:557–8, 1975 **(Fre)**
[Contributions of scinticinematography to the study of the great vessels in mediastinal tumors] Bruscagnin G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:675–6, 1975 **(Fre)**
[Use, in the diagnosis of tumors, technics with 2 indicators with use of the scintillation camera and computer] Buraggi GL. **J Radiol Electrol Med Nucl** 56 suppl 1:369, 1975 **(Fre)**
[Scintigraphis localization of tumors, Statistical analysis of results obtained with Ga67–citrate and Hg197Cl2] D'addabbo A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:403–5, 1975 **(Fre)**
[Cardiac scintigraphy by use of absorbable radioactive microparticles] da Rocha AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:248–50, 1975 **(Fre)**
[Gallium 67 citrate as a tumor tracer] de Roo MJ. **J Radiol Electrol Med Nucl** 56 suppl 1:376–8, 1975 **(Fre)**
[Sodium pyrophosphate labeled by technetium 99m in the study of bone metastases. Role and limitations of the examination] Ducassou D, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:562–3, 1975 **(Fre)**
[Se 75–selenite in the diagnosis of lung tumors. Specificity and biologic problems] Fombellida Cortázar JC, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:385–8, 1975 **(Fre)**
[Practical uses of a computer in an institute of nuclear medicine] Galli G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:397–400, 1975 **(Fre)**
[Clinical study of mechanisms of fixation of radioisotopes in 33 brain lesions by comparative use of I–131 Na and radio–iodinated serum albumin] Gonsette RE, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:284–7, 1975 **(Fre)**

[Prognostic value of labeled bleomycin in epithelial tumors] Martinez Morillo M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:383–5, 1975 **(Fre)**

[Cerebral angioscintigraphy] Nori A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:306–8, 1975 **(Fre)**

[Gammographic study in myocardial infarct and ventricular aneurysms] Nuno de la Rosa y Pozuelo JA, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:244–6, 1975 **(Fre)**

[Scintigraphy with F18 in nontraumatic avascular bone necrosis of the femoral head with special mention of patients under high-dose corticosteroid therapy] Ordway CB, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:563–4, 1975 **(Fre)**

[Use of gallium in diagnosis in oncology. Clinico-statistical report] Palermo F. **J Radiol Electrol Med Nucl** 56 suppl 1:378–80, 1975 **(Fre)**

[Quantitative study of total body retention and local uptake of strontium 85 and technectium pyrophosphate in bone pathology] Robillard J, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:559–62, 1975 **(Fre)**

[Scintigraphic study of myocardial perfusion with labeled microspheres, in coronary disease] Spinelli F, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:246–8, 1975 **(Fre)**

[Biochemical aspects of the neoplastic cell in relation to the use of positive indicators] Strom R. **J Radiol Electrol Med Nucl** 56 suppl 1:356–9, 1975 **(Fre)**

[Cerebral scintigraphy quantified on a digital computer. Statistical evaluation of the results] Teijeiro Vidal J, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:280–1, 1975 **(Fre)**

[Pancreatic scintigraphy and secretin-pancreozymin test in the functional exploration of the exocrine pancreas] Tori G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:521–3, 1975 **(Fre)**

[Cerebral angioscintiphotography] Tori G. **J Radiol Electrol Med Nucl** 56 suppl 1:305–6, 1975 **(Fre)**

[Scintigraphy with Tc99m pertechnetate in the diagnosis of breast tumors] Toti A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:628–9, 1975 **(Fre)**

[Scintigraphy with tumor tracer by programming of radiotherapy in lung neoplasms] Troncone L, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:370–1, 1975 **(Fre)**

[Role of treatment of images in the detection of tumors by scintigraphy] Tubiana M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:360–69, 1975 **(Fre)**

[Progress in the radioisotope diagnosis of tumors] Ugolotti G. **J Radiol Electrol Med Nucl** 56 suppl 1:382–3, 1975 **(Fre)**

[Value of bleomycin labeled with cobalt 57 in the diagnosis of pulmonary round images] Vaillant G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:380–2, 1975 **(Fre)**

[Dynamic scintigraphy by use of the digital computer. Application of image and function correction filters and the obtaining of parameters of physiologic and pathologic interest] Vidal JT, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:396–7, 1975 **(Fre)**

[Technetium pyrophosphate bone scanning in rheumatology and cancerology (apropos of 180 cases)] Sulman C, et al. **Lille Med** 20(7):599–606, Aug–Sep 75 **(Fre)**

[Letter: Hyperbaric isotopic cisternography for the detection of cerebrospinal fluid leaks] De Tovar G, et al. **Nouv Presse Med** 5(22):1433, 29 May 76 **(Fre)**

[Selective coronary scintigraphy by use of labelled microspheres] de Vernejoul P, et al. **Nouv Presse Med** 4(24):1807–8, 14 Jun 75 **(Fre)**

[Myocardial scintigraphy using thallium 201. New development] Ducassou D, et al. **Nouv Presse Med** 4(20):1512, 17 May 75 **(Fre)**

[Letter: Cerebral scintigraphy with intravenous xenon 133] Ducassou D, et al. **Nouv Presse Med** 5(22):1426, 29 May 76 **(Fre)**

[Letter: Radioactive lymphography in the study of post-surgical or post-radiotherapy lymphedema] Rain JD, et al. **Nouv Presse Med** 5(2):96, 10 Jan 76 **(Fre)**

[Intracerebral hematoma in gamma-angio-encephalography] Planiol T, et al. **Rev Neurol (Paris)** 131(5):391–18, May 75 (Eng. Abstr.) **(Fre)**

[Value of tomoscintigraphy by gamma-camera] Lahneche B, et al. **Strahlentherapie [Sonderb]** 74:389–402, 1975 (Eng. Abstr.) **(Fre)**

[Ribbon smoothing: new method of polynomial smoothing of numerical scintigraphs] Legras B, et al. **Strahlentherapie [Sonderb]** 74:445–54, 1975 (Eng. Abstr.) **(Fre)**

[Determination of cardiac output using a system of cinescintigraphy] Bernier JP, et al. **Union Med Can** 104(3):379–83, Mar 75 (Eng. Abstr.) **(Fre)**

[Non-invasive myocardial scanning with thallium-201: basic principles and methods (author's transl)] Felix R, et al. **Dtsch Med Wochenschr** 100(46):2373–7, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[131I-cholesterol scanning of the adrenals: results in various adrenal diseases, especially unilateral adrenal turmours (author's transl)] Helber A, et al. **Dtsch Med Wochenschr** 100(49):2524–7, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Letter: Perfusion scintigraphy in pulmonary embolism] Schneider C. **Dtsch Med Wochenschr** 100(34):1715, 22 Aug 75 **(Ger)**

[Camera-cinematography of the heart (author's transl)] Adam WE, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):19–26, Jul 75 (Eng. Abstr.) **(Ger)**

[Methods of functional scintigraphy of the heart: the effect of the radiopharmaceutical agents (author's transl)] Breuel HP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):37–40, Jul 75 (Eng. Abstr.) **(Ger)**

[Lateral renal scans (author's transl)] Breuel HP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):48–50, Jul 76 (Eng. Abstr.) **(Ger)**

[Comparative investigations concerning osteotropic radiopharmaceuticals. III. Scanning with 18F and 99mTc-malignant diseases (author's transl)] Creutzig H. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):462–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Sequential scintigraphy of four different 99mTc human albumen preparations used for lung scanning] Eissner D, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):206–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Radionuclide-labeled pulmonary embolism in pulmonary perfusion scintigraphy using 113mIn-Fe(OH)3-macroparticles] Endert G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):604–6, Jun 76 **(Ger)**

[The reliability of myocardial scintigraphy with thallium201, A comparison with lacvocardiography and perfusion scintigraphy (author's transl)] Felix R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):210–4, Mar 76 (Eng. Abstr.) **(Ger)**

[99mTc-iron complex for demonstrating reflux without the use of a catheter (author's transl)] Hahn K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):321–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Postural scintimyelography of the cervical spine (author's transl)] Lakke JP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(6):511–16, Jun 75 (Eng. Abstr.) **(Ger)**

[Renal scintigraphy with 99mTc-penicillamine] Lichte H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):119–23, Feb 75 (Eng. Abstr.) **(Ger)**

[Clinical and experimental investigations with 201tl for noninvasive myocardial scintigraphy (author's transl)] Lichte H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):206–10, Mar 76 (Eng. Abstr.) **(Ger)**

[The accuracy of placental scintigraphy (author's transl)] Rothe R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):271–4, Mar 76 (Eng. Abstr.) **(Ger)**

[Noninvasive demonstration of wall movement and stroke volume distribution of the left ventricle after myocardial infarction (author's transl)] Schad N. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):201–6, Mar 76 (Eng. Abstr.) **(Ger)**

[The diagnosis of pulmonary calcinosis by scintigraphy (author's transl)] Schlangen JT, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):119–23, Feb 76 (Eng. Abstr.) **(Ger)**

[Value of quantitative camera functional scintigraphy in urogenital tuberculosis] Pfeifer KJ, et al. **Fortschr Med** 93(27):1249–52, 1282, 25 Sep 75 (Eng. Abstr.) **(Ger)**

[201Thalium scintimetry of the heart as a new method for functional assessment in coronary heart disease (author's transl)] Büll U, et al. **God Zb Med Fak Skopje** 124(5):434–43, May 76 (Eng. Abstr.) **(Ger)**

[Functional scintigraphic radiospirometry. First clinical results in patients with lung diseases] Kampmann H, et al. **God Zb Med Fak Skopje** 124(5):406–11, May 76 (Eng. Abstr.) **(Ger)**

[Scintigraphy of the adrenal cortex using 131iodine cholesterol] Kley HK. **Hippokrates** 47(1):85–7, Feb 76 **(Ger)**

[Electronical data processing in localization diagnostics in nuclear medicine] pp. 330–8. Gursky S. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**

[Nuclear medicine methods in the diagnosis of bone diseases] Büll U, et al. **Internist (Berlin)** 16(8):353–64, Aug 75 **(Ger)**

[Radiology and nuclear medicine methods in the diagnosis of kidney diseases] Heinze HG, et al. **Internist (Berlin)** 17(2):83–90, Feb 76 (30 ref.) **(Ger)**

[Indications for scintigraphy with 67gallium] Plechl SC, et al. **Med Welt** 27(24):1189–90, 11 Jun 76 **(Ger)**

[Differential diagnosis of stroke in computer tomography] Wüllenweber R, et al. **Neurochirurgia (Stuttg)** 19(1):1–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Technetium polyphosphate and technetium diphosphonate. A comparative study] Henne W, et al. **Nucl Med (Stuttg)** 14(2):83–90, 30 June 75 (Eng. Abstr.) **(Ger)**

[Technetium uptake in the parotid gland. Value of functional parameters in Sjögren's syndrome] Havlik E, et al. **Nuklearmedizin** 15(3):142–5, Jun 76 (Eng. Abstr.) **(Ger)**

[Multi-projectional renal scintigraphy (author's transl)] Seyss R. **Praxis** 64(32):1022–5, 12 Aug 75 (Eng. Abstr.) **(Ger)**

[Indication and statement value of pulmoscintigraphy in childhood (author's transl)] Berger G, et al. **Radiobiol Radiother (Berl)** 17(1):181–8, 1976 (Eng. Abstr.) **(Ger)**

[Results of parasternal lymphoscintigraphy in mamma carcinoma in the light of anatomic-morpho logical findings (author's transl)] Dymarskij LJ, et al. **Radiobiol Radiother (Berl)** 17(1):171–9, 1976 (Eng. Abstr.) **(Ger)**

[The influence of scattered radiation on the spatial resolution of a collimator-detector system (author's transl)] Ertl S, et al. **Radiobiol Radiother (Berl)** 17(4):35–41, 1976 (Eng. Abstr.) **(Ger)**

[Experiences with 113mIn-labeled erythrocytes for splenic scintigraphy] Löbe J, et al. **Radiobiol Radiother (Berl)** 16(6):761–6, 1975 (Eng. Abstr.) **(Ger)**

[Sequential angiocardioscintigraphy using the gamma camera] Luschnitz E, et al. **Radiol Diagn (Berl)** 16(1):97–103, 1975 (Eng. Abstr.) **(Ger)**

[Selective scintigraphic lymphography of testis (author's transl)] Spaventi S, et al. **Radiol Diagn (Berl)** 15(1):111–4, 1974 (Eng. Abstr.) **(Ger)**

[Radioisotope diagnosis of children with skull and brain injuries] Zubovskij GA, et al. **Radiol Diagn (Berl)** 15(5):667–74, 1974 (Eng. Abstr.) **(Ger)**

[Aims and limits of nuclear medicine methods in investigation of malignant and benign bone lesions (author's transl)] Piaszek L, et al. **Radiologe** 16(1):29–37, Jan 76 **(Ger)**

[The use of nuclear medicine methods for the control of regional cytostatic therapy of neoplasms in the orofacial region] Schönberger A, et al. **Stomatol DDR** 26(7):441–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Scintigraphic presentation of bone metastases in prostatic carcinoma] Dienstl VE, et al. **Wien Med Wochenschr** 125(25–27):388–91, 20 Jun 75 **(Ger)**

[Regional myocardial perfusion on distribution through coronary drugs. I. Method of myocardial double radionuclide scintigraphy] Wagner J, et al. **Z Kardiol** 65(3):225–32, Mar 76 (Eng. Abstr.) **(Ger)**

[Double nucleic method for angioscintigraphy of the myocardium] Rahmig Th, et al. **Zentralbl Chir** 101(10):626–9, 1976 **(Ger)**

[Radioisotopes used in the diagnosis of bone diseases] György T, et al. **Magy Traumatol Orthop** 19(2):146–51, 1976 (Eng. Abstr.) **(Hun)**

[Orbital scintigraphy (report 1). RI examination in ophthalmology (author's transl)] Nose H, et al. **Acta Soc Ophthalmol Jpn** 79(10):1414–24, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Evaluation of left ventricular function using scinti-camera equipped with a double-channeled cardiac ejection synchronizer] Kasahara A, et al. **Jpn Circ J** 39(7):845–6, Jul 75 **(Jpn)**

[Ferrokinetics in polycythemia vera --with special reference to whole body linear scanning-- (author's transl)] Takita M, et al. **Jpn J Clin Hematol** 17(5):520–6, May 76 (Eng. Abstr.) **(Jpn)**

[Bone imaging with 99m Tc-pyrophosphate] Fujiwara K, et al. **Jpn J Clin Radiol** 20(13):1163–9, Dec 75 **(Jpn)**

[Clinical investigation of adrenal scintigraphy with 131-I-19-iodocholesterol] Maeda T, et al. **Jpn J Clin Radiol** 20(13):1155–61, Dec 75 **(Jpn)**

[Clinical experiences with pulmonary circulation scanning by 99mTc-MAA] Fudemoto Y. **Jpn J Nucl Med** 12(4):405–13, Aug 75 **(Jpn)**

[Pulmonary circulation scanning by 99mTc-MAA] Ishii Y, et al. **Jpn J Nucl Med** 12(4):423–9, Aug 75 **(Jpn)**

[Evaluation of the liver scintigraphy with technetium-tin-colloid (99Tc-Sn-colloid) I. Experimental study a comparison with 198Au-colloid] Kimura K, et al. **Jpn J Nucl Med** 12(3):235–43, Jun 75 **(Jpn)**

[Liver scintigraphy by 99mTc-Sn-colloid. (II) Its diagnostic value and clinical application (comparison with 198Au-colloid)] Kimura K, et al. **Jpn J Nucl Med** 12(4):349–58, Aug 75 (Eng. Abstr.) **(Jpn)**

[Measurement of the left ventricular volume and ejection fraction by ECG-gated radioisotope angiocardiography--comparison with x-ray cineangiographic measurement] Kinoshita M, et al. **Jpn J Nucl Med** 12(4):393–403, Aug 75 (Eng. Abstr.) **(Jpn)**

[Functional imaging of the kidney by an on-line computer system] Maeda S, et al. **Jpn J Nucl Med** 12(4):341–8, Aug 75 (Eng. Abstr.) **(Jpn)**

[Isocount scanning of the brain (author's transl)] Takeyama E, et al. **Neurol Surg (Tokyo)** 3(6):485–94, Jun 75 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of isocount scanning in cerebrovascular diseases (author's transl)] Yamamoto M, et al. **Neurol Surg (Tokyo)** 3(10):827–34, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Comparison of liver scintigraphy with 99mTc-phytate and 198Au-colloid in diffuse hepatic disorders (author's transl)] Kamoi I, et al. **Nippon Acta Radiol** 35(7):556–62, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[Application of computer for radioisotope imaging. (No. 2). Composition of remote terminal by a mini-computer and application of scheduling process (author's transl)] Kasuga T, et al. **Nippon Acta Radiol** 35(12):1107–15, 1975 (Eng. Abstr.) **(Jpn)**

[Studies on the computer processing of the radioisotope images. Part 1. Studies on the image processing in scintigraphy (author's transl)] Mukai T. **Nippon Acta Radiol** 35(10):868–82, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[Studies on the computer processing of the radioisotope images. Part 2. Functional imaging of various organs using scintillation camera and computer (author's transl)] Mukai

T. **Nippon Acta Radiol** 35(10):883–94, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[Tumor imaging and skeletal imaging in bone carcinoma: an experimental demonstration (author's transl)] Okuyama S, et al. **Nippon Acta Radiol** 35(8):659–64, 25 Aug 75 (Eng. Abstr.) **(Jpn)**

[Experimental–clinical study of fine dispersed colloid gold (Au 198)] Kindzel'skiĭ LP, et al. **Klin Khir** (12):21–4, Dec 75 **(Rus)**

[Color digital scanning in pulmonary sarcoidosis] Kostina ZI, et al. **Klin Med (Mosk)** 53(12):90–5, Dec 75 **(Rus)**

[Otimization of the parameters of the collimation system of radioisotope tomography] Chernobrovkin VP, et al. **Med Radiol (Mosk)** 21(3):64–8, Mar 76 (Eng. Abstr.) **(Rus)**

[Liver scanning with labeled colloid solution and methionine] Palinkashi DG, et al. **Med Radiol (Mosk)** 20(11):35–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Calculation of reliability of recording of focal lesions of the internal organs] Pavlov VG, et al. **Med Radiol (Mosk)** 20(11):69–72, Nov 75 (Eng. Abstr.) **(Rus)**

[Use of complex compounds of In113m with certain amino acids for scanning] Popova M, et al. **Med Radiol (Mosk)** 20(12):39–41, Dec 75 (Eng. Abstr.) **(Rus)**

[Diagnostic value of polyprojection scanning of the liver in liver cirrhosis] Sukirno MS, et al. **Med Radiol (Mosk)** 20(4):17–24, Apr 75 (Eng. Abstr.) **(Rus)**

[Inhalation–perfusion scanning of the lungs in evaluating pulmonary ventilation and circulation in chronic inflammatory processes] Buiuklian AN, et al. **Ter Arkh** 47(3):41–9, 1975 (Eng. Abstr.) **(Rus)**

[X–ray and scanning comparison of images by means of the matching of tags] Gorbachev VK, et al. **Voen Med Zh** (3):85–6, Mar 76 **(Rus)**

[Angioscanning in the diagnosis of tumors of the soft tissues of the extremities] Fadeev NP, et al. **Vopr Onkol** 22(2):17–22, 1976 (Eng. Abstr.) **(Rus)**

[Method of scanning of the spleen and kidneys by use of brommercuroxypropane–mercury–197 (BMOP–Hg–197)] Khripta FP, et al. **Vrach Delo** (1):113–5, Jan 74 (Eng. Abstr.) **(Rus)**

[Use of methods of radioisotope diagnosis in clinical medicine] Slavnov VN, et al. **Vrach Delo** (6):5–9, Jun 74 **(Rus)**

[Color scanning of the gallbladder in the study of its function and diagnosis of biliary tract diseases] Kaliuzhnyĭ IT, et al. **Zdravookhr Kirg** (1):19–25, Jan–Feb 76 **(Rus)**

[Brain scanning in children (author's transl)] de Quesada BR, et al. **An Esp Pediatr** 9(1):85–90, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Scintillography of the adrenal medulla] Skromne–Kadlubik G, et al. **Arch Inst Cardiol Mex** 46(1):42–5, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Hypophyseal gammography in man. Preliminary report] Skromne Kadlubik G, et al. **Prensa Med Mex** 40(7–8):213–4, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

STANDARDS

Letter: A numerical index of gamma–camera uniformity. Cox NJ, et al. **Br J Radiol** 49(584):734–5, Aug 76

The measurement of the performance of the display system of radioisotope imaging device: the multi–element band display. Sharp P, et al. **Br J Radiol** 49(579):270–7, Mar 76

Fibrinogen uptake scanning for diagnosis of deep vein thrombosis: a plea for standardization. Roberts VC. **Br Med J** 3(5981):455–8, 23 Aug 75

Letter: Imaging quality–control program. Hermann GA. **J Nucl Med** 16(10):957, Oct 75

The accuracy of liver scanning in the detection of metastatic disease. Kilgore ES 3d, et al. **J Surg Oncol** 7(5):351–4, 1975

Imaging characteristics of gamma–ray collimators. Ehrhardt JC, et al. **Radiology** 117(2):433–9, Nov 75

[Proceedings: Diagnostic value of myocardial perfusion scintigraphy in coronary sclerosis] Liese W, et al. **Schweiz Med Wochenschr** 105(44):1474–6, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Functional scintigraphy of the heart: correlations with cardiological parameters] Breuel HP, et al. **Z Kardiol** 64(9):815–23, Sep 75 (Eng. Abstr.) **(Ger)**

UTILIZATION

Are hepatic scans overused? Rosenthal SN. **Am J Dig Dis** 21(8):659–63, Aug 76

Hepatic radionuclide imaging: an effective diagnostic procedure! Rothschild MA. **Am J Dig Dis** 21(8):655–9, Aug 76 (50 ref.)

RADIOISOTOPE TELETHERAPY

Destruction of small intracranial tumours with 60Co gamma radiation. Physical and technical considerations. Dahlin H, et al. **Acta Radiol [Ther] (Stockh)** 14(3):209–27, Jun 75

Influence of absorbed dose and field size on the geometry of the radiation–surgical brain lesion. Dahlin H, et al. **Acta Radiol [Ther] (Stockh)** 14(2):139–44, Arp 75

Letter: Formulae for calculation of 50 per cent depth dose and linear absorption coefficient in water of cobalt–60 gamma rays. di Pietrantonj F. **Br J Radiol** 49(584):736–8, Aug 76

Build–up studies with three different types of cobalt—60 teletherapy units. Lakshmanan AV, et al. **Indian J Cancer** 12(3):319–26, Sep 75

Laryngeal carcinomas. Ennuyer A, et al. **Laryngoscope** 85(9):1467–76, Sep 75

Accuracy in patient setup and its consequence in dosimetry. Kartha PK, et al. **Med Phys** 2(6):331–2, Nov–Dec 75

Dose measurements in the build–up region for cobalt–60 therapy units. Leung PM, et al. **Med Phys** 3(3):169–72, May–Jun 76

Model for the calculation of output for elongated fields at nonstandard distances for a 25–MV betatron and for radiocobalt teletherapy units. Starchman DE, et al. **Med Phys** 2(6):333–5, Nov–Dec 75

Unequal weighting of given doses in opposed fields in treatment of cancer of the tonsillar region using 60Co, 4–, 8–, 15–, 24–MVp photons. Wollin M, et al. **Med Phys** 3(2):113–6, Mar–Apr 76

Survey of teletherapy in Japan. Part V. State of fractionations in one week. Yasukochi H. **Nippon Acta Radiol** 36(2):97–102, 1976

The results of supervoltage preoperative radiotherapy in breast cancer. Merkaš Z, et al. **Radiobiol Radiother (Berl)** 16(2):153–6, 1975

Clear–cell carcinoma of the kidney. Treatment with a precise technique using cobalt–60. Horn Y, et al. **Radiol Clin (Basel)** 44(5):470–4, 1975

Total body irradiation in the management of malignant lymphoma. Kazem I. **Radiol Clin (Basel)** 44(5):457–63, 1975

Experimental investigation of source–block distance to source–surface distance ratios for cuboid and beam–divergence–shaped shadow blocks for cobalt–60 teletherapy. Wrede DE, et al. **Radiol Clin (Basel)** 44(6):587–600, 1975

Effect of field size on the radiation penumbra and integral dose for telegamma therapy units. Hatimbhai, et al. **Strahlentherapie** 151(2):151–5, Feb 76

[Whole state comparison of medical cobalt bunches in CSSR. I. The standardization of the beam of irradiating device chisostat in Oncological Institute at Prague (author's transl)] Kovařík J, et al. **Cesk Radiol** 29(6):401–6, Nov 75 (Eng. Abstr.) **(Cze)**

[Whole state comparison of medical cobalt beams in CSSR. II. The results of comparisons (author's transl)] Záčková H, et al. **Cesk Radiol** 29(6):407–18, Nov 75 (Eng. Abstr.) **(Cze)**

[Exclusive radiotherapy (cobalt teletherapy–radium therapy) in epithelioma of the uterine cervix. 400 cases treated between 1959 and 1969] Pourquier H. **J Radiol Electrol Med Nucl** 56(5):411–7, May 75 (Eng. Abstr.) **(Fre)**

[Influence of inaccuracy of certain parameters on dose distribution in telecobalt therapy (author's transl)] Regis H, et al. **J Radiol Electrol Med Nucl** 56(5):423–8, May 75 (Eng. Abstr.) **(Fre)**

[A plain method for determining the tumour dose in telecobalt rotation therapy (author's transl)] Fuchs G. **Radiobiol Radiother (Berl)** 16(1):7–12, 1975 **(Ger)**

[Changes, following telecobalt therapy , of hypernephroid carcinomas in the control renovasogram] Grosche N, et al. **Radiobiol Radiother (Berl)** 15(2):283–9, 1974 (Eng. Abstr.) **(Ger)**

[Comparison of irradiation results of advanced oesophagus carcinomas between conventional x–ray deep therapy and telecobalt therapy (author's transl)] Quentin E, et al. **Radiobiol Radiother (Berl)** 16(2):157–60, 1975 (Eng. Abstr.) **(Ger)**

[Radiation protection in the operation of telecurie equipment] Pohle G. **Strahlenschutz Forsch Prax** 15:162–70, 1976 **(Ger)**

[Xeroradiographic field control in telecobalt therapy of the cranial and ear–nose–throat regions] Franken T, et al. **Strahlentherapie** 150(6):563–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Methodologic studies on the optimization of the 60Co–teletherapy in combination with high dosage brachytherapy of cervix carcinoma] Heckenthaler W, et al. **Strahlentherapie** 150(5):475–86, Nov 75 (Eng. Abstr.) **(Ger)**

[Objectivization of the effectiveness of cobalt–60 teletherapy in female tumor patients] Michalica W, et al. **Strahlentherapie** 150(4):375–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Dose distribution in cobalt–60 irradiation of the axillary efferent lymphatic area in breast cancer] Würthner K, et al. **Strahlentherapie** 150(1):3–11, Jul 75 (Eng. Abstr.) **(Ger)**

[Comparative studies of early radiation–induced pulmonary changes following x–ray therapy and telegammatherapy of mediastinal tumors with Co–60] Malska–Waniewska I, et al. **Pol Przegl Radiol** 39(6):691–6, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Calculation of integral doses and evaluation criteria in the use of forming appliances in radioisotope teletherapy] Galina LS. **Med Radiol (Mosk)** 20(4):56–60, Apr 75 **(Rus)**

[Method of topometry and control over condition of irradiation in radioisotope teletherapy of cancer of the bladder] Kats MS, et al. **Med Radiol (Mosk)** 21(1):77–8, Jan 76 **(Rus)**

[Gamma–irradiation of kidney transplant in complex treatment of rejection crisis] Shumakov VI, et al. **Med Radiol (Mosk)** 21(3):22–5, Mar 76 (Eng. Abstr.) **(Rus)**

[Radioisotope teletherapy as a method extending the limits of operability] Konevalov RV. **Vestn Khir** 115(11):72–5, Nov 75 **(Rus)**

[Telegammatherapy in the treatment of malignant neoplasms of the nasopharynx] Gremilov VA, et al. **Vopr Onkol** 21(5):26–31, 1975 **(Rus)**

[Radiotherapeutic guide lines in prostatic cancer] Pardo De Unceta E. **Acta Oncol (Madr)** 11(1):33–44, May–Jun 76 (58 ref.) **(Spa)**

ADVERSE EFFECTS

Unusual cardiac reaction to chemotherapy following mediastinal irradiation in a patient with Hodgkin's disease. Weinstein P, et al. **Am J Med** 60(1):152–6, Jan 76

A double–blind clinical study on long–term use of oxyphenbutazone and tolfenamic acid in connection with telecobalt therapy. Kauppila A, et al. **Arzneim Forsch** 25(7):1082–5, Jul 75

[Radiation colitis. Interest of mesenteric angiography (author's transl)] Verwaerde JV, et al. **Arch Fr Mal App Dig** 64(1):53–7, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Letter: Refractory anemia occurring 9 years after cobalt therapy. Study of 2 cases] Nahum H, et al. **Nouv Presse Med** 5(22):1429–30, 29 May 76 **(Fre)**

[Pulmonary perfusion, ventilation, and gas exchange during modified cobalt–60 teletherapy of operated on breast carcinomas] Schlick W, et al. **Strahlentherapie** 150(6):557–62, Dec 75 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Letter: Gamma–ray scatter in a telecobalt beam. Jayachandran CA. **Br J Radiol** 49(582):563–4, Jun 76

Letter: Electron contamination of telecobalt beams. Smith CW, et al. **Br J Radiol** 49(582):562–3, Jun 76

A scintillation tumor localizer for radiation therapy. Scott WP. **Coll Works Cardiopulm Dis** 19:85–7, Apr 73

Loss of field flatness in AECL teletherapy units form misadjustment of the collimator. Heintz PH. **Med Phys** 2(2):76–8, Mar–Apr 75

[Technics and radiophysics of Buchler's afterloading device] Barthauer G. **Strahlentherapie** 150(3):266–71, Sep 75 (Eng. Abstr.) **(Ger)**

[The importance of afterloading technics for radiation protection] Henseler H. **Strahlentherapie** 150(3):243–50, Sep 75 (Eng. Abstr.) **(Ger)**

[Immediate results of radioisotopes teletherapy with the use of a lead grid in neglected forms of lung cancer] Kholin VV, et al. **Med Radiol (Mosk)** 20(12):7–11, Dec 75 (Eng. Abstr.) **(Rus)**

[Results of combined radiation therapy of cervical cancer with the use of a hose apparatus 'AGAT–V'] Mel'nikova LN, et al. **Med Radiol (Mosk)** 21(1):5–11, Jan 76 (Eng. Abstr.) **(Rus)**

METHODS

En–bloc irradiation of tumours of the head and neck and their lymphatics. I. Technique and dosimetry. Landerg T, et al. **Acta Radiol [Ther] (Stockh)** 15(2):129–41, Apr 76

Automatic correction of on–off error in telecobalt therapy. Oliver LM, et al. **Radiol Technol** 47(4):250, Jan–Feb 76

Skin dose with cones and diaphragms in 137Cs teletherapy – a study using lithium borate thermoluminescent dosimeters. Das KR, et al. **Strahlentherapie** 150(2):134–7, Aug 75

[Curative cesium therapy of small size breast cancers] Spitalier JM, et al. **Nouv Presse Med** 4(31):2249–51, 27 Sep 75 (Eng. Abstr.) **(Fre)**

[Optimization of telecobalt irradiation of malignant kidney tumors] Lehmann F, et al. **Radiobiol Radiother (Berl)** 15(2):259–66, 1974 (Eng. Abstr.) **(Ger)**

[Possibilities of dose distribution in the afterloading technic] Walstam R. **Strahlentherapie** 150(3):251–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Criteria for an optimal isotope in gynecologic radiotherapy] Walstam R. **Strahlentherapie** 150(3):258–60, Sep 75 (Eng. Abstr.) **(Ger)**

[Technics of radical Co–60 telegrammatherapy] Skolyszewski J, et al. **Nowotwory** 25(3):259–66, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

[Realization of a plan for radiation teletherapy] Khrushchov MM, et al. **Med Radiol (Mosk)** 20(9):31–5, Sep 75 (Eng. Abstr.) **(Rus)**

RADIOISOTOPES

see related

ISOTOPE LABELING

A computer program for an open two compartment system distinguishing three models. Cederblad G, et al. **Acta Physiol Scand** 96(4):471–7, Apr 76

Letter: Nuclear pharmacy procedures. Wilkerson SV, et al. **Am J Hosp Pharm** 33(6):530–3, Jun 76

Tracer experiment design for unique identification of nonlinear physiological systems. DiStefano JJ 3d. **Am J Physiol** 230(2):476–85, Feb 76

Safe handling of tissue containing radioactive substances. Warren S. **Ann Clin Lab Sci** 6(3):207–8, May–Jun 76

Radionuclides in oncology. Jones SE. **Ariz Med** 33(4):297–300, Apr 76

Radioactive colloidal solutions and suspensions for medical use. Mikheev NB. **At Energy Rev** 14(1):3–36, Mar 76 (155 ref.)

Letter: Gain instability of scintillation detectors and

consequences for dynamic tracer studies. Van Duyl WA, et al. **Br J Radiol** 48(576):1037–8, Dec 75

Radioimmunoassay and saturation analysis. Preparation and assessment of radioactive tracers. Hunter WM. **Br Med Bull** 30(1):18–23, Jan 74

Safety aspects in the production of sterile radiopharmaceuticals. Glenn JE. **Bull Parenter Drug Assoc** 30(4):201–5, Jul–Aug 76

Angiocardiography with iridium–191m: an ultrashort–lived radionuclide (T1/2 4.9 sec). Treves S, et al. **Circulation** 54(2):275–9, Aug 76

Production of short–lived radioisotopes for medical applications using high–energy reactions at JULIC. Weinreich R, et al. **Experientia** Suppl 24:457–60, 1975

Application of tracers in studying free fatty acid metabolism of various organs in vivo. Spitzer JJ. **Fed Proc** 34(13):2242–5, Dec 75

Triglyceride turnover: a comparison of simultaneous determinations using the radioglyceride and the lipolytic rate procedures. Steiner G, et al. **Fed Proc** 34(13):2258–62, Dec 75 (18 ref.)

Effect of stable scandium on the long–term whole body retention of intravenously administered 46Sc citrate in the rat. Byrd BL, et al. **Health Phys** 29(3):375–9, Sep 75

Incineration of animal radioactive waste: a comparative cost analysis. Gregory WD, et al. **Health Phys** 29(3):389–92, Sep 75

210Pb studies in beagles. Lloyd RD, et al. **Health Phys** 28(5):575–83, May 75

Estimate of natural internal radiation dose to man. Manocha KK, et al. **Health Phys** 30(6):485–7, Jun 76

Bone and bone marrow spaces in dosimetry of beagles skeletons. Momeni MH, et al. **Health Phys** 29(6):877–81, Dec 75

Genetically significant dose from use of radiopharmaceuticals in Kuwait. Novotny J, et al. **Health Phys** 31(1):59–62, JUL 76

Retention and penetration characteristics of a glass fiber filter for 212Pb aggregate recoil particles. Ryan MT, et al. **Health Phys** 29(5):796–8, Nov 75

A simplified expression for the contributions of radioactive daughters to the effective decay energies of chains. Shepherd JG. **Health Phys** 29(5):805–8, Nov 75

Determination of the type and amount of fission products released in a nuclear reactor accident. Tadmor J. **Health Phys** 30(1):95–112, Jan 76

Accidental human inhalation of ruthenium tetroxide. Webber CE, et al. **Health Phys** 30(4):352–5, Apr 76

MPC calculation for the radionuclides produced during accelerator operation. Yamaguchi C. **Health Phys** 29(3):393–7, Sep 75

Local studies of miscible pollutions of groundwater: the single well pulse technique. pp. 388–406. Fried JJ, et al.

In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Flow tracing using isotopes. pp. 377–87. Smith DB.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Effect of some important physio–ecological factors on the accumulation of radionuclides by freshwater fish. pp. 1205–12. Berg A.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Microdosimetry of Auger electrons. pp. 557–69. Feige Y, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Effects of limnological variables on bioaccumulation factors. pp. 1192–204. Vanderploeg HA, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

The quality control of radiopharmaceuticals. pp. 16–20. Adams EH, et al.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

Nuclear pharmacy at the University of Washington. 11–2. Allen DR.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

A multipurpose recordkeeping system for the centralized radiopharmacy. pp. 21–7. Baker WJ, et al.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

Radiopharmaceutical patient profile: a clinical approach. pp. 28–30. Bowen BM.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

Medicinal chemistry and nuclear medicine. pp. 5–7. Cooper JF.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

Nuclear pharmacy and in vitro nuclear medicine. pp. 7–8. Dirksen JW.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

Legal aspects of nuclear pharmacy. pp. 45–7. Fink JL 3d.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

Nuclear pharmacy health physics. pp. 39–44. Ice RD, et al.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

The Indiana University Medical Center Radiopharmacy. pp. 12–3. Kavula MP Jr.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

The dispensing and distribution of radiopharmaceuticals in hospitals. pp. 13–5. Kawada T, et al.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

The University of Pittsburgh Health Center radiopharmacy. pp. 9–10. Levine G.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

The future of hospital radiopharmacy. pp. 50–4. Peng CT.
In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.

The radioisotope trace technique. dal Santo G. **Int Anesthesiol Clin** 13(4):175–83, Winter 75

The preparation of carrier free radiobromine: the separation of KBrO3 and KBr using an organic solvent. Alfassi ZB, et al. **Int J Appl Radiat Isot** 27(2):125–6, Feb 76

The use of the Cerenkov effect in the counting of beta– and gamma– emitting radionuclides. Gelsema WJ, et al. **Int J Appl Radiat Isot** 26(8):443–50, Aug 75

A gas target assembly for the production of high purity, high specific activity 81Rb. Gindler JE, et al. **Int J Appl Radiat Isot** 27(5–6):330–2, May–Jun 76

Fluorine–18 lebelled L–p–fluorophenylalanine. Goulding RW, et al. **Int J Appl Radiat Isot** 26(9):561–4, Sep 75

Standardization and ground–state branching of selenium–75. Hutchinson JM, et al. **Int J Appl Radiat Isot** 27(1):47–50, Jan 76

Methods for compact cyclotron production of indium–111 for medical use. MacDonald NS, et al. **Int J Appl Radiat Isot** 26(10):631–3, Oct 75

The CdTe sub–miniature semi–conductor detector: a versatile instrument for detection of gamma radiation. Meyer E, et al. **Int J Appl Radiat Isot** 26(11):697–702, Nov 75

Calibration of gamma–ray sources without standards. Morsy SM, et al. **Int J Appl Radiat Isot** 27(7):343–7, Jul 76

Radioactive tracers in the assessment of cleaning of surgical appliances. Mostafa AB, et al. **Int J Appl Radiat Isot** 26(11):651–5, Nov 75

Production of rubidium–81 by the reaction 85Rb(p, 5n) 81Sr and decay of 81Sr. Schneider RJ, et al. **Int J Appl Radiat Isot** 27(3):189–91, Mar 76

Production of thulium–167 for medical use by irradiation of lutetium, hafnium, tantalum and tungsten with 590–MeV protons. Scholz KL, et al. **Int J Appl Radiat Isot** 27(5–6):263–6, May–Jun 76

An improved gamma well counter for radioactive tracer applications. ten Haaf FE, et al. **Int J Appl Radiat Isot** 27(2):79–84, Feb 76

The half–life of 77Br. Waters SL, et al. **Int J Appl Radiat Isot** 26(8):484–5, Aug 75

Long–lived radionuclide impurities in eluates from molybdenum–technetium generators and the associated absorbed dose to the patient. Finck R, et al. **Int J Nucl Med Biol** 3(2):89–97, Apr 76

Proceedings: Study of anatomy in vivo by radioisotope methods. Zwas ST, et al. **Isr J Med Sci** 12(1):85–6, Jan 76

Proceedings: A mathematical basis for study of circulation using injection of radioactive indicator bolus and external scintillation detectors. Kelso AF, et al. **J Am Osteopath Assoc** 75(5):527–8, Jan 76

Cerebral transit time by intravenous isotopic technique in S.A.H. Papo I, et al. **J Neurosurg Sci** 19(1–2):75–6, Jan–Jun 75

Positron ranges obtained from biomedically important positron–emitting radionuclides. Cho ZH, et al. **J Nucl Med** 16(12):1174–6, Dec 75

Pitfalls in radiometric sterility assay. Hetzel KR, et al. **J Nucl Med** 16(8):798, Aug 75

Radiation dose to the human body from intravenously administered 75Se–sodium selenite. Jereb M, et al. **J Nucl Med** 16(9):846–50, Sep 75

Survey of radioactive agents for in vitro labeling of phagocytic leukocytes. II. Particles. McAfee JG, et al. **J Nucl Med** 17(6):488–92, Jun 76

Survey of radioactive agents for in vitro labeling of phagocytic leukocytes. I. Soluble agents. McAfee JG, et al. **J Nucl Med** 17(6):480–7, Jun 76

The first radioindicator study in the life sciences with a man–made radionuclide: 'Radioactive indicators in the study of phosphorus metabolism in rats, by O. Chievitz and G. Hevesy, reprinted from Nature 136: 754–755, Nov. 9, 1935.' Myers WG. **J Nucl Med** 16(12):1106–8, Dec 75

Editorial: Whither nuclear pharmacy? Robinson RG, et al. **J Nucl Med** 17(7):577–8, Jul 76

Estimates of radiation dose to the embryo from nuclear medicine procedures. Smith EM, et al. **J Nucl Med** 17(9):836–9, Sep 76

Myocardial localization of 99mTc–pyrophosphate without evidence of acute myocardial infarction. Soin JS, et al. **J Nucl Med** 16(10):944–6, Oct 75

Use of tissue–to–air ratio in computation of specific absorbed fraction. Tripathi UB, et al. **J Nucl Med** 16(6):492–4, Jun 75

Preliminary clinical experience with a new radioisotope–powered cardiac pacemaker. Smyth NP, et al. **J Thorac Cardiovasc Surg** 71(2):262–7, Feb 76

USAN assigned to radioactive pharmaceutical. **JAMA** 235(3):296, 19 Jan 76

Tissue displacement assay (TDA): a theoretical tool for following radiopharmaceuticals. Spencer RP. **Med Hypotheses** 1(4):150–1, Jul–Aug 75

Measurement of protein turnover in animal cells. Doyle D, et al. **Methods Cell Biol** 10:235–60, 1975

Purity and stability of radiochemical tracers in autoradiography. Evans EA. **Methods Cell Biol** 10:291–324, 1975 (101 ref.)

The dosimetry of radioisotopes incorporated in bone using cavity ionization theory. Burlin TE, et al. **Phys Med Biol** 21(1):1–15, Jan 76

Letter: Conversion of beta–ray dose rates measured in air to dose rates in skin. Heinzelmann M. **Phys Med Biol** 20(3):841–3, Sep 75

Calculated beta–ray dose factors for trabecular bone. Whitwell JR, et al. **Phys Med Biol** 21(1):16–38, Jan 76

Cyclotron produced lead–203. Horlock PL, et al. **Postgrad Med J** 51(601):751–4, Nov 75

Indium–111–labeled antibody heavy metal chelate conjugates: a potential alternative to radioiodination. Pritchard JH, et al. **Proc Soc Exp Biol Med** 151(2):297–302, Feb 76

Rebuttal to TV show: 'coffee, tea or radiation'. Quinn JL. **Radiol Technol** 47(2):90–4, Sep–Oct 75

The dispensing of radiopharmaceuticals. Horton PW. **Recent Adv Clin Nucl Med** 1:1–43, 1975

Analysis of radionuclide kinetic data. Orr FS. **Recent Adv Clin Nucl Med** 1:188–213, 1975

Absorption, distribution and elimination of 169Yb–EDTA in animal experiments. GFR estimation in rats. Molnár G, et al. **Strahlentherapie [Sonderb]** 74:142–51, 1975

Some studies of the dosimetry and safety of radiopharmaceuticals. Trott NG, et al. **Strahlentherapie [Sonderb]** 74:1–18, 1975

[Standardized system for incorporating labelled amino acid in vitro with rat spleen fractions] Angelov E, et al. **Eksp Med Morfol** 14(3):140–4, 1975 (Eng. Abstr.) **(Bul)**

[Radioisotipic renal clearances] Brailska M. **Vutr Boles** 14(3):1–8, 1975 (126 ref.) **(Bul)**

[Letter: Radioactive drugs] Kristensen K. **Ugeskr Laeger** 138(11):669, 8 Mar 76 **(Dan)**

[Stable radioisotopesin biopharmaceutical research. I] Roncucci R, et al. **Boll Chim Farm** 114(11):609–25 contd, Nov 75 **(Fre)**

[Histochemical reactions caused by external and internal irradiation. Correlation with microdosimetry and interrelations between irradiation and drugs] Cardinale A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:653–5, 1975 **(Fre)**

[Proceedings: Difficulties involved in the building of a sterile isotope generator with a long–life nucleus] Feige P. **Radiobiol Radiother (Berl)** 16(1):122–3, 1975 **(Ger)**

[Radiation protection problems in connection with radionuclide generators] Herzberg B, et al. **Strahlenschutz Forsch Prax** 15:222–32, 1976 **(Ger)**

[Radiation protection in working with unsealed radioactive materials] Oberhausen E. **Strahlenschutz Forsch Prax** 15:212–4, 1976 **(Ger)**

[Radiation protection in working with sealed radioactive materials] Pape U. **Strahlenschutz Forsch Prax** 15:171–7, 1976 **(Ger)**

[Measures for reducing the escape of radioactive substances into the air] Riccato MT. **Strahlenschutz Forsch Prax** 15:220–2, 1976 **(Ger)**

[Radioisotopes used in the diagnosis of bone diseases] György T, et al. **Magy Traumatol Orthop** 19(2):146–51, 1976 (Eng. Abstr.) **(Hun)**

[Gamma–ray spectra of some kind of radiopharmaceuticals and other nuclides (author's transl)] Urakubo G, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):117–9, 1975 (Eng. Abstr.) **(Jpn)**

[Use of radioactive isotopes in medical parasitology (review of the literature)] Lur'e AA. **Med Parazitol (Mosk)** 45(1):85–92, Jan–Feb 76 (268 ref.) (Eng. Abstr.) **(Rus)**

[Radioisotope incorporation into Listeria L forms] Zelentsova TIa. **Veterinariia** (10):42–4, Oct 75 **(Rus)**

[Possibilities of using radioisotope studies under military field conditions] Bagdasarov MB, et al. **Voen Med Zh** (9):12–3, Sep 75 **(Rus)**

[Study of the pathogenesis of toxoplasmosis by means of tagged atoms] Kovaleva EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):126–30, Sep 75 (Eng. Abstr.) **(Rus)**

[Medical use of isotopes] Nosslin B. **Lakartidningen** 13(13):1197, 24 Mar 76 **(Swe)**

ADMINISTRATION & DOSAGE

Unit dose radiopharmaceutical service as a component of total pharmacy practice. Barker LF, et al. **Am J Hosp Pharm** 33(1):61–3, Jan 76

Clinical specification of dose in interstitial radiotherapy. pp. 99–103. Castro JR. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Permanent interstitial implantation—present status. pp. 53–7. Charyulu KK. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Clinical application of iridium–192 in intraoral cancer. pp. 105–12. Chassagne D, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

NSD and TSD in 4pi therapy (a compass point for setting a course of radiotherapy). pp. 41–52. Ellis F. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Tumor bed implants at the time of surgery. pp. 125–32. Ellis F. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Past and prospect of afterloading in curietherapy. pp. 7–23. Henschke UK, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Aspects and problems of implant dosimetry. pp. 25–30. Laughlin JS, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Clinical application of iridium–192 in breast cancer. pp. 113–8. Pierquin B, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Low dose rate factor in interstitial radiation. pp. 31–3. Pierquin B, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Use of computers for the calculation of dose from iridium–192 implants. pp. 89–97. Shalek RJ, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Management of extensive residual cancer with interstitial iridium implant: a preliminary report. pp. 119–24. Syed AN, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Manual versus remote afterloading intracavitary techniques. pp. 189–94. Walstam R. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Cage for continuous intravascular infusion of isotopes and drugs in small animals. Grantham FH, et al. **J Natl Cancer Inst** 55(1):203–5, Jul 75

Intrathecal radioisotopes and phlebography in investigation of ventriculo–atrial shunts in children. Liguori G, et al. **J Neurosurg Sci** 19(4):248–56, Oct–Dec 75

In vivo distribution of vesicles loaded with radiopharmaceuticals: a study of different routes of administration. McDougall IR, et al. **J Nucl Med** 16(6):488–91, Jun 75

Treatment of cancer by the intra–arterial injection of radioactive isotopes. Ariel IM, et al. **Panminerva Med** 17(11–12):394–7, Nov–Dec 75

Locoregional treatment of tumors. Arterial radiotherapy. Rapporteur's introduction. Badellino F. **Panminerva Med** 17(11–12):392–3, Nov–Dec 75

Locoregional treatment of neoplasms by radioactive infarct particles introduced via arterial catheterization. Lang EK. **Panminerva Med** 17(11–12):398–404, Nov–Dec 75

Endolymphatic isotope perfusion. Porter N, et al. **Panminerva Med** 18(5–6):190–3, May–Jun 76

[Early isotopic synoviorthesis during rheumatoid polyarthritis (RP)] Roux H, et al. **Rev Rhum Mal Osteoartic** 43(5):327–32, May 76 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Importance of initial management of persons internally contaminated with radionuclides. Lincoln TA. **Am Ind Hyg Assoc J** 37(1):16–21, Jan 76

The association between systemically administered radioisotopes and subsequent malignant disease. Berlin NI, et al. **Cancer** 37(2 Suppl):1097–1101, Feb 76

Endotoxin as a cause of aseptic meningitis after radionuclide cisternography. Cooper JF, et al. **J Nucl Med** 16(9):809–13, Sep 75

[Estimation of the internal radiation dosage on the general population exposed to patients under radioisotope treatment and computation of their maximum perimissible exposure level] Nishizawa K, et al. **Jpn J Nucl Med** 12(6):631–6, Dec 75 (Eng. Abstr.) **(Jpn)**

[The harmful effects of preparations labelled with 203Hg used for clinical isotope diagnosis] Graban W, et al. **Pol Przegl Radiol** 39(5):595–8, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

ANALYSIS

The design and calibration of a low speed windtunnel for studying the foliar deposition and uptake of aerosols. Craig DK, et al. **Am Ind Hyg Assoc J** 36(9):692–9, Sep 75

Separation and determination of mass and radioactivity of fermentation gases. Czerkawski JW, et al. **Anal Biochem** 67(2):476–84, Aug 75

Radionuclide levels in mature grain related to radiostrontium content and time of direct contamination. Aarkrog A. **Health Phys** 28(5):557–62, May 75

Partition of ruthenium–106 between the fresh water environment and crayfish. Berg GG, et al. **Health Phys** 30(4):329–38, Apr 76

General population exposure of stable lead and 210Pb to residents of New York City. Bogen DC, et al. **Health Phys** 30(4):359–62, Apr 76

Comparative metabolism of radionuclides in mammals—IX. Retention of 75Se in the mouse, rat, monkey and dog. Furchner JE, et al. **Health Phys** 29(5):641–8, Nov 75

Sequential radiochemical analysis for ruthenium, strontium and cesium in environmental air. Krieger HL, et al. **Health Phys** 30(6):465–70, Jun 76

An investigation of the plutonium content in fission product 99Mo–99mTc generators. Sodd VJ, et al. **Health Phys** 29(3):425–7, Sep 75

Long–term measurements of 222Rn, 220Rn, 214Pb and 212Pb concentrations in the air of private and public buildings and their dependence on meteorological parameters. Steinhäusler F. **Health Phys** 29(5):705–13, Nov 75

Interpretation of biological–rate coefficients derived from radionuclide content, radionuclide concentration and specific activity experiments. Vanderploeg HA, et al. **Health Phys** 31(1):57–9, JUL 76

Chemical forms of tritium in reactor–produced fluorine–18. Collins CH, et al. **Int J Appl Radiat Isot** 26(10):571–2, Oct 75

Effects of DTPA on the deposition of 65Zn, 60Co and 144Ce in pregnant rat and in foetoplacental unit. Zylicz E, et al. **Int J Radiat Biol** 28(2):125–36, Aug 75

Neutron activation analysis of dysprosium (a potential inert marker) in hay and feces. Young MC, et al. **J Anim Sci** 41(1):178–84, Jul 75

In vitro discrimination of triple tracers. Bishara BA, et al. **J Egypt Med Assoc** 58(3–4):167–76, 1975

Letter: Expression of tissue isotope distribution. Woodard HQ, et al. **J Nucl Med** 16(10):958–9, Oct 75

Influences of marine sediment on the accumulation of radionuclides by green alga (Ulva pertusa). Nakamura R, et al. **J Radiat Res (Tokyo)** 16(4):224–36, Dec 75

[Gel chromatographic quality control of 99mTc radiopharmaceuticals (author's transl)] Johannsen B. **Radiobiol Radiother (Berl)** 17(1):91–5, 1976 **(Ger)**

[Experimental animal studies on the effect of fluoride and EDTA on the accumulation of 18F in bone] Beska F, et al. **Strahlentherapie [Sonderb]** 74:487–90, 1975 (Eng. Abstr.) **(Ger)**

[Dependence of the relation of 113Sn/113mIn in bone in contrast to 47Ca and 85Sr] Grimm W, et al. **Strahlentherapie [Sonderb]** 74:514–20, 1975 (Eng. Abstr.) **(Ger)**

[Fresh water fish as the source of some radioactive isotopes in human nutrition] Mareĭ AN, et al. **Gig Sanit** (5):57–60, May 76 (Eng. Abstr.) **(Rus)**

[Express method of determining the average energy and concentration of beta–nuclides in biological samples] Rasin IM, et al. **Radiobiologiia** 15(6):944–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

BLOOD

Studies of electrophoretic binding of radioactive rare earths. Rosoff B, et al. **Health Phys** 28(5):611–2, May 75

CEREBROSPINAL FLUID

Letter: Behavior of tracer molecules in cerebrospinal fluid. Di Chiro G. **Neurology (Minneap)** 26(8):800–1, Aug 76

DIAGNOSTIC USE

Radionuclides in common use. Croll MN. **Am Fam Physician** 12(5):164–7, Nov 75

Definition of myocardial perfusion by continuous infusion of krypton–81m. Kaplan E, et al. **Am J Cardiol** 37(6):878–84, May 76

Cancer diagnosis. The role of tumor–imaging radiopharmaceuticals. Silberstein EB. **Am J Med** 60(2):226–37, Feb 76 (109 ref.)

Proceedings: Bone imaging using a gadolinium–153 source and a xenon–filled multiwire proportional counter as detector. Horsman A, et al. **Am J Roentgenol** 126(6):1273–5, Jun 76

Gallium–67 scans in children with solid tumors. Lepanto PB, et al. **Am J Roentgenol** 126(1):179–86, Jan 76

Noninvasive cardiac evaluation (NICE) of intracardiac shunts using inhaled radioactive carbon dioxide. Byrd CL, et al. **Ann Thorac Surg** 20(6):646–51, Dec 75

Proceedings: Problems of measuring regional blood flow with tracer particles. Flohr H, et al. **Arzneim Forsch** 25(6):985–7, Jun 75

Radioactive tracers in cardiac diagnosis. Wagner HN Jr, et al. **Cardiovasc Clin** 6(3):319–36, 1975 (34 ref.)

Continuous imaging of regional myocardial blood flow in dogs using krypton–81m. Turner JH, et al. **Cardiovasc Res** 10(3):398–404, May 76

Noninvasive detection of regional myocardial ischemia using rubidium–81 and the scintillation camera: comparison with stress electrocardiography in patients with arteriographically documented coronary stenosis. Berman DS, et al. **Circulation** 52(4):619–26, Oct 75

Radioisotopes in the investigation of splenic function in haemo–proliferative disorders. pp. 162–6. Lewis SM. **In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.**

Nuclear techniques in helminthology research. Conclusions and recommendations. pp. 175–83. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Use of radioisotope tracers for the detection of soluble parasitic antigens (free or bound in immune complexes). pp. 13–8. Houba V. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.** (16 ref.)

Rapid estimation of the radiation dose to patients from radionuclidic impurities in eluates from generators. Colombetti LG. **Int J Appl Radiat Isot** 26(11):667–70, Nov 75

An intercomparison of radiopharmaceutical kidney kinetics in the mouse. Konikowski T, et al. **Int J Nucl Med Biol** 2(2):59–65, Mar 75

Application of Rb86 clearance method for measuring regional renal blood flow. Nakamura M, et al. **Int J Nucl Med Biol** 3(1):40–3, Jan 76

Letter: Theoretical basis for regional blood flow measurement by use of the ratio of 81Rb: 81mKr. Spencer RP, et al. **Int J Nucl Med Biol** 3(1):55–6, Jan 76

Sequential feline esophageal nutrient blood flow: perfusion measurements in vivo. Harell GS, et al. **Invest Radiol** 11(3):216–24, May–Jun 76

Experimental study of long term renal tracer accumulation. de Roo MJ, et al. **J Belge Radiol** 58(5):397–403, Sep–Oct 75 (Eng. Abstr.)

Cerebral transit time by intravenous isotopic technique in S.A.H. Papo I, et al. **J Neurosurg Sci** 19(1–2):75–6, Jan–Jun 75

Labeling of erythrocytes with 103Ru–ruthenium red. Anghileri LJ. **J Nucl Med** 16(8):795–7, Aug 75

Bone marrow imaging using 111In–citrate: 111In–kinetics in the pelvic region. Glaubitt DM, et al. **J Nucl Med** 16(8):769–74, Aug 75

Thallium–201: scintillation camera imaging considerations. Groch MW, et al. **J Nucl Med** 17(02):142–5, Feb 76

Kinetics of 111In–bleomycin and 111 In–chlorides in mice. Konikowski T, et al. **J Nucl Med** 16(8):738–43, Aug 75

Positive 18F bone scan in a case of osteoid osteoma: case report. McCombs RK, et al. **J Nucl Med** 16(6):465–6, Jun 75

Tomographic images of blood pool and perfusion in brain and heart. Phelps ME, et al. **J Nucl Med** 17(7):603–12, Jul 76

Technique for producing cardiac radionuclide motion images. Reese IC, et al. **J Nucl Med** 16(5):368–9, May 75

Letter: Splenic uptake of 111In. Vieras F. **J Nucl Med** 16(12):1205–6, Dec 75

Unsealed radioactive materials in medical practice in New Zealand. McEwan AC. **NZ Med J** 82(547):163–8, 10 Scp 75

Clinical uses of cyclotron–produced radionuclides. Glass HI. **Recent Adv Clin Nucl Med** 1:44–58, 1975 (61 ref.)

Evaluation of perfusion with the 81Rb–81mKr generator. Kaplan E, et al. **Semin Nucl Med** 6(2):163–92, Apr 76 (52 ref.)

Radioactive tracers in peripheral vascular disease. Siegel ME, et al. **Semin Nucl Med** 6(3):253–78, Jul 76 (79 ref.)

Editorial: Diagnostic use of radioactive isotopes in children (pediatric nuclear medicine). Treves S. **South Med J** 68(11):1321–4, Nov 75

Detection of abscesses by radioactive isotopes and external scanning. Deysine M. **Surg Gynecol Obstet** 142(3):427–30, Mar 76 (26 ref.)

[Attempt to elucidate the causes of certain complications following artificial abortion using radioisotopes] Atanasov A, et al. **Akush Ginekol (Sofiia)** 14(5):372–5, 1975 (Eng. Abstr.) **(Bul)**

[Dynamic radioisotope studies of the regional functions of the lung (a preliminary report)] Vaskov L, et al. **Vutr Boles** 14(3):128–36, 1975 (Eng. Abstr.) **(Bul)**

[Radionuclides in the examination of the skeleton] Kettunen K, et al. **Duodecim** 91(24):1515–7, 1975 **(Fin)**

[Diagnostic value of ytterbium 169 citrate in cancerology] Chatal JF, et al. **J Radiol Electrol Med Nucl** 56(5):401–9, May 75 (Eng. Abstr.) **(Fre)**

[Scintigraphy with F18 in nontraumatic avascular bone necrosis of the femoral head with special mention of patients under high–dose corticosteroid therapy] Ordway CB, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:563–4, 1975 **(Fre)**

[Value of radioisotopes in the detection of phlebitis] Simon JP, et al. **Nouv Presse Med** 5(28):1747–9, 28 Aug–4 Sep 76 **(Fre)**

[The use of stable radioisotopes for metabolic studies in man] Lefebvre P. **Pathol Biol (Paris)** 24(5):303–5, May 76 **(Fre)**

[Study of circulation of cerebro–spinal fluid using indium 111 DTPA. Apropos of 300 cases] Moreau R, et al. **Sem Hop Paris** 52(25–28):1521–7, 10–20 Jun 76 (Eng. Abstr.) **(Fre)**

[Comparative investigations concerning osteotropic radiopharmaceuticals. III. Scanning with 18F and 99mTc–malignant diseases (author's transl)] Creutzig H. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):462–7, Nov 75 (Eng. Abstr.) **(Ger)**

[The reliability of myocardial scintigraphy with thallium201. A comparison with lacvocardiography and perfusion scintigraphy (author's transl)] Felix R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):210–4, Mar 76 (Eng. Abstr.) **(Ger)**

[An approximation for improving the accuracy of compartmental analysis after intravenous 133Xe] Kantlehner R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):124–6, Feb 75 (Eng. Abstr.) **(Ger)**

[Clinical and experimental investigations with 201tl for noninvasive myocardial scintigraphy (author's transl)] Lichte H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):206–10, Mar 76 (Eng. Abstr.) **(Ger)**

[Radiation dose to the patient after administration of radioactive labelled colloids (author's transl)] Wolf R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):324–30, Oct 75 (Eng. Abstr.) **(Ger)**

[201Thalium scintimetry of the heart as a new method for functional assesment in coronary heart disease (author's transl)] Büll U, et al. **God Zb Med Fak Skopje** 124(5):434–43, May 76 (Eng. Abstr.) **(Ger)**

[Nuclear medicine thyroid diagnosis] Stoll W. **Kinderaerztl Prax** 43(5):226–32, May 75 **(Ger)**

[169 Yb citrate for tumour scintigraphy – first experiences (author's transl)] Kühne A, et al. **Radiobiol Radiother (Berl)** 17(1):111–5, 1976 (Eng. Abstr.) **(Ger)**

[Heterozygote test using 64 Cu in Wilson's disease] Günther K, et al. **Radiol Diagn (Berl)** 16(1):61–8, 1975 (Eng. Abstr.) **(Ger)**

[Critical evaluation and rational use of nuclear medical techniques in the diagnosis of thyroid function (author's transl)] Stiel W, et al. **Roentgenblaetter** 28(12):569–79, Dec 75 (Eng. Abstr.) **(Ger)**

[Radioisotopes used for routine diagnosis in nuclear medicine] Kampmann H, et al. **Roentgenpraxis** 28(6):142–52, Jun 75 **(Ger)**

[Radioisotope methods and technics in obstetrical and gynecological diagnosis] Laconi A, et al. **Minerva Med** 66(85):4561–8, 12 Dec 75 (Eng. Abstr.) **(Ita)**

[Proceedings: Systemic and cerebral circulation determined by an external radioisotope counter] Abe H, et al. **Jpn Circ J** 39(7):893, Jul 75 **(Jpn)**

[Bone scanning with 18F] Kawana M. **Jpn J Clin Radiol** 20(11):1003–4, Oct 75 **(Jpn)**

[Scintigraphy for neoplasms—1. radioactive medicine] Machida K. **Jpn J Clin Radiol** 20(6):525–6, Jun 75 **(Jpn)**

Radioisotope scanning of neoplasms 5. 111–In–bleomycin] Machida K. **Jpn J Clin Radiol** 20(11):1041–2, Oct 75 **(Jpn)**

[Diagnosis of parathyroid diseases in nuclear medicine] Morita R, et al. **Jpn J Clin Radiol** 20(5):365–75, May 75 (66 ref.) **(Jpn)**

[Application of radioisotopes on respiratory function tests] Nagano J. **Respir Circ (Tokyo)** 23(11):974, Nov 75 **(Jpn)**

[Use of radioisotopes for the evaluation of the effect of the treatment in arthritis] Nishioka J, et al. **Ryumachi** 15(3):209–14, Oct 75 (Eng. Abstr.) **(Jpn)**

[Use of radioisotopes in laboratory and clinical research in phthisiology] Georgescu P. **Rev Ig [Pneumoftiziol]** 23(4):349–60, Jul–Sep 74 (56 ref.) **(Rum)**

[Determination of the glomerular filtration rate by use of DTPA–Yb169] Kobelev VA, et al. **Klin Med (Mosk)** 52(3):42–3, Mar 74 (Eng. Abstr.) **(Rus)**

[Use of radioactive isotopes in medical parasitology] Lur'e AA. **Med Parazitol (Mosk)** 44(6):719–24, Nov–Dec 75 (0 ref.) **(Rus)**

[Ways of elimination of substances injected into the subarachnoid space of the brain (experimental study with radioactive isotopes)] Baron MA, et al. **Med Radiol (Mosk)** 20(11):55–63, Nov 75 **(Rus)**

[Achievements and perspectives of radioisotope diagnosis of malignant tumors (according to materials in the 'Journal of Nuclear Medicine', 1974)] Zherbin EA, et al. **Med Radiol (Mosk)** 21(1):79–84, Jan 76 **(Rus)**

[Comparative evaluation of different isotopes in diagnosis of tumors of the musculo–skeletal apparatus] Knysh IT, et al. **Ortop Travmatol Protez** (8):44–50, Aug 75 (Eng. Abstr.) **(Rus)**

[Radioisotope studies in otorhinolaryngology] Shchelokova SV. **Vestn Otorinolaringol** (5):103–8, Sept–Oct 1974 (81 ref.) **(Rus)**

[Radioisotopic methods of studying the pelvic lymphatic system in patients with cancer of the cervix and corpus uteri] Ermolenko AA, et al. **Vopr Onkol** 21(10):22–6, 1975 (Eng. Abstr.) **(Rus)**

METABOLISM

Tissue distributions of 97Ru and 103Ru in subcutaneous tumor of rodents. Tanabe M, et al. **Acta Med Okayama** 29(6):431–6, Dec 75

Brain–blood partition coefficients of 85Krypton at 37 C and 29.5 C. Van Horn K, et al. **Anesthesiology** 44(5):426–7, May 76

Proceedings: Bone–seeking isotopes–pharmacology and mechanisms of uptake. Frier M, et al. **Br J Radiol** 49(579):286, Mar 76

Determination of the bromide space in man by fluorescent excitation analysis of oral bromine. Price DC, et al. **J Nucl Med** 16(9):814–8, Sep 75

Myocardial localization of 99mTc–pyrophosphate without evidence of acute myocardial infarction. Soin JS, et al. **J Nucl Med** 16(10):944–6, Oct 75

Uptake and release of some radionuclides by fresh water phytoplankton in batch culture. Aoyama I, et al. **J Radiat Res (Tokyo)** 17(2):69–81, Jun 76

Interface for direct online computer recording of dynamic radionuclide data. Morris AC, et al. **Med Biol Eng** 12(3):367–9, May 74

Metabolic studies with radiobismuth. I. Retention and distribution of 206Bi in the normal rat. Russ GA, et al. **Radiat Res** 63(3):443–54, Sep 75

Xe133 elimination from human fat during negative– and positive–pressure breathing. Balldin UI, et al. **Undersea Biomed Res** 3(2):163–9, Jun 76

[Experimental results with new radiopharmaceuticals in autochthon brain tumors of rats (author's transl)] Kampmann H, et al. **Arch Geschwulstforsch** 45(6):532–40, 1975 (Eng. Abstr.) **(Ger)**

[Comparative investigations of osteotropic isotopes. i animal experiments on the uptake of 18f, 85sr and 99mtc–ehdp (author's transl)] Creutzig H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):137–43, Aug 75 **(Ger)**

THERAPEUTIC USE

Keloid scars: a new method of treatment combining surgery with interstitial radiotherapy. Malaker A, et al. **Clin Radiol** 27(2):179–83, Apr 76

Rhenium–188 therapy of experimental hydrocephalus. Bardfeld PA, et al. **Exp Neurol** 50(3):777–85, Mar 76

Rdiotoxicity of intracellular 67Ga, 125I and 3H. Nuclear versus cytoplasmic radiation effects in murine L1210 leukaemia. Hofer KG, et al. **Int J Radiat Biol** 28(3):225–41, Sep 75

Interstitial 192Ir therapy in head and neck cancer. Jucker C. **Panminerva Med** 18(1–2):32–3, Jan–Feb 76

Conservative treatment of breast carcinoma using an association of radiotherapy and iridium 192 interstitial curietherapy. Pluygers E, et al. **Panminerva Med** 18(1–2):64–65, Jan–Feb 76

The intracavitary radiotherapy of cancer of the uterine cervix with after–loading and radio–iridium wires. Sinistrero G, et al. **Panminerva Med** 18(1–2):66–7, Jan–Feb 76

Radiotherapy of skin epitheliomas with after–loading and radio–iridium wires. Sinistrero G. **Panminerva Med** 18(1–2):68–9, Jan–Feb 76

Radiotherapy of lower lip cancer with after–loading and radio–iridium wires. Sinistrero G. **Panminerva Med** 18(1–2):60–1, Jan–Feb 76

Radio–surgical protocol for the treatment of the cancer of the uterine cervix. Sismondi P, et al. **Panminerva Med** 18(1–2):70–1, Jan–Feb 76

Adverse reactions to radiopharmaceuticals. Shani J, et al. **Semin Nucl Med** 6(3):305–28, Jul 76

[Intracavitary isotope therapy with afterloading in cancer of the endometrium] PETKOV T, et al. **Akush Ginekol (Sofiia)** 15(2):130–3, 1976 (Eng. Abstr.) **(Bul)**

[Treatment of toxic adenoma of the thyroid gland using radioactive iodine] Latković I, et al. **Lijec Vjesn** 97(3):145–8, Mar 75 (Eng. Abstr.) **(Cro)**

[Interstitial curietherapy with iridium 192 applied to small cancers of the rectum (author's transl)] Papillon J, et al. **J Radiol Electrol Med Nucl** 56(5):439–42, May 75 (Eng. Abstr.) **(Fre)**

[Treatment of hemophilic arthropathies by medical synoviorthesis] Menkes CJ, et al. **Pathol Biol (Paris)** 23 suppl:28–32, Dec 75 (Eng. Abstr.) **(Fre)**

[Technics and radiophysics of Buchler's afterloading device] Barthauer G. **Strahlentherapie** 150(3):266–71, Sep 75 (Eng. Abstr.) **(Ger)**

[Long–term results of isotope therapy in malignant neoplasms] Fill H, et al. **Z Allgemeinmed** 51(29):1300–3, 20 Oct 75 **(Ger)**

[Use of iridium (Ir192) in afterloading curietherapy of cancer of the uterine cervix] Peracchia G. **Ateneo Parmense [Acta Biomed]** 45(1–2):87–8, Jan–APR 74 **(Ita)**

[Radiopharmaceutical preparations and their use] Mashchenko MP. **Farm Zh** 31(3):35–40, May–Jun 76 **(Ukr)**

URINE

Letter: Radioactive contamination hazard from patients. Reece BL, et al. **Br J Radiol** 49(584):736, Aug 76

RADIOLIGAND ASSAY

Radioligand receptor assay of FSH. Brown PS, et al. **Acta Endocrinol (Kbh)** 82(4):673–82, Aug 76

Application of a radioligand receptor assay for determination of luteinizing hormone in human serum. Leidenberger FA, et al. **Acta Endocrinol (Kbh)** 81(1):54–72, Jan 76

Radioassay of serum folate with use of pig plasma folate binders. Mantzos J. **Acta Haematol (Basel)** 54(5):289–96, 1975

A radio–ligand receptor assay for the long–acting thyroid stimulator. Inhibition by the long–acting thyroid stimulator of the binding of radioiodinated thyroid–stimulating hormone to human thyroid membranes. Mehdi SQ, et al. **Biochem J** 145(1):105–11, Jan 75

Scatchard plot and heterogeneity in binding affinity of labeled and unlabeled ligand. Hollemans HJ, et al. **Clin Chem** 21(12):1769–73, Nov 75

Some considerations in the preparation of raioiodoinsulin for radioimmunoassay and receptor assay. Schneider B, et al. **Diabetes** 25(4):260–7, Apr 76

Radioligand– receptor assay of LH–RH. Spona J. **Endocrinol Exp (Bratisl)** 9(1):21–6, Jan 75

Results of the first 1000 radioreceptorassays for the determination of human chorionic gonadotropin: a new, rapid, reliable, and sensitive pregnancy test. Landesman R, et al. **Fertil Steril** 27(4):357–68, Apr 76

Application of a radioreceptorassay of human chorionic gonadotropin in the diagnosis of early abortion. Rosal TP, et al. **Fertil Steril** 26(11):1105–12, Nov 75

Preparation and behaviour of 125I–labelled radioligands for phenolic and neutral steroids. pp. 141–52. Hunter WM, et al. **In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.**

Growth hormone and insulin binding to human liver. Carr D, et al. **J Clin Endocrinol Metab** 42(3):484–93, Mar 76

A radioreceptor assay for follicle–stimulating hormone. Cheng KW. **J Clin Endocrinol Metab** 41(3):581–9, Sep 75

Radioreceptor assay of insulin: Comparison of plasma and pancreatic insulins and proinsulins. Gavin JR 3d, et al. **J Clin Endocrinol Metab** 41(3):438–45, Sep 75

Application of a tissue receptor assay to measurement of serum follitropin (FSH). Reichert LE Jr, et al. **J Clin Endocrinol Metab** 41(3):634–7, Sep 75

Radioreceptor–inactive growth hormone associated with stimulated secretion in normal subjects. Sneid DS, et al. **J Clin Endocrinol Metab** 41(3):471–4, Sep 75

Assay of gentamicin in cerebrospinal fluid. Deacon S. **J Clin Pathol** 29(8):749–51, Aug 76

Competitive protein binding radioassay of plasma and urinary unconjugated cortisol. Schmidt KJ, et al. **J Med** 6(5–6):389–400, 1975

Toadfish serum as a binder for in vitro assay of vitamin B12. Kim HR, et al. **J Nucl Med** 17(8):737–9, Aug 76

A competitive protein binding assay for plasma 25–hydroxyvitamin D3 in normal children. Shimotsuji T, et al. **Tohoku J Exp Med** 118(3):233–40, Mar 76

[Analysis serum progesterone values by competitive protein binding assay—with special reference to the changes before and after delivery] Miura S, et al. **Clin Endocrinol (Tokyo)** 23(4):367–72, Apr 75 **(Jpn)**

[Analysis of hormone receptors by radioreceptor assay and its clinical use] Kosaka K. **Jpn J Clin Med** 34(3):446–56, 1976 (72 ref.) **(Jpn)**

METHODS

Albumin immobilized on agarose as a tool for measuring ligand binding of proteins or peptides. Reed RG, et al. **Anal Biochem** 69(2):361–71, Dec 75

Clinical and laboratory observations on serum folate–binding protein. Eichner ER, et al. **Blood** 46(4):599–609, Oct 75

Radioimmunoassay and saturation analysis. Separation techniques in saturation analysis. Ratcliffe JG. **Br Med Bull** 30(1):32–7, Jan 74 (57 ref.)

Competitive protein binding assay of oestradiol–17 beta and oestrone using uterine cytosol prepared from HCG–treated rabbits. Horváth E, et al. **Endokrinologie** 67(2):160–6, Jun 76

Radioreceptor assay for insulin. Suzuki K, et al. **J Clin Endocrinol Metab** 42(2):399–402, Feb 76

Radioassay for serum and red cell folate. Longo DL, et al. **J Lab Clin Med** 87(1):138–51, Jan 76

[Determination of serum cortisol with Cortipac Kit] Sakamoto N, et al. **Clin Endocrinol (Tokyo)** 24(2):171–6, 1976 **(Jpn)**

[Radioreceptor assay of angiotensin] Fukuchi S. **Jpn J Clin Med** 34(3):523–8, 1976 (15 ref.) **(Jpn)**

[Radioreceptor assay of catecholamine — its current status and problems] Inaba M. **Jpn J Clin Med** 34(3):518–22, 1976 **(Jpn)**

[Radioreceptor assay of insulin] Kabuto M, et al. **Jpn J Clin Med** 34(3):457–60, 1976 **(Jpn)**

[Radioreceptor assay of glucagon] Kajinuma H, et al. **Jpn J Clin Med** 34(3):497–501, 1976 (15 ref.) **(Jpn)**

[Radioreceptor assay of estrogen] Kato J, et al. **Jpn J Clin Med** 34(3):510–7, 1976 **(Jpn)**

[Radioreceptor assay of prolactin] Kato Y, et al. **Jpn J Clin Med** 34(3):491–6, 1976 (29 ref.) **(Jpn)**

[Radioreceptor assay of ACTH] Saito E, et al. **Jpn J Clin Med** 34(3):477–83, 1976 (64 ref.) **(Jpn)**

[Radioreceptor assay of vasopressin] Saito T. **Jpn J Clin Med** 34(3):529–33, 1976 (12 ref.) **(Jpn)**

[Radioreceptor assay of glucocorticoids] Sakamoto N, et al. **Jpn J Clin Med** 34(3):502–9, 1976 (58 ref.) **(Jpn)**

[Radioreceptor assay of gonadotropin] Sato K, et al.

Jpn J Clin Med 34(3):484–90, 1976 (29 ref.) **(Jpn)**
[Radioreceptor assay of somatomedin] Takano K. **Jpn J Clin Med** 34(3):466–70, 1976 (22 ref.) **(Jpn)**
[Radioreceptor assay of TSH] Torizuka K, et al. **Jpn J Clin Med** 34(3):471–6, 1976 (24 ref.) **(Jpn)**
[Technics of growth hormone receptor assay] Tsushima T. **Jpn J Clin Med** 34(3):461–5, 1976 **(Jpn)**
[Serum cortisol determination with competitive protein binding analysis kit using Se75-cortisol] Hosoki H, et al. **Jpn J Nucl Med** 12(6):661–6, Dec 75 **(Jpn)**

RADIOLOGIC PHYSICS see HEALTH PHYSICS

RADIOLOGY

The new special names of SI units in the field of ionizing radiation. Wyckoff HO, et al. **Acta Radiol [Ther] (Stockh)** 14(6):590–1, Dec 75
Radiologic Societies. **Am J Roentgenol** 127(1):219–22, Jul 76
Radiologic Societies. **Am J Roentgenol** 127(3):549–52, Sep 76
Editorial: The James Picker Foundation for radiologic research. Figley MM. **Am J Roentgenol** 126(2):439–40, Feb 76
The role of the clinician in community cancer control activities. Marcial VA. **Am J Roentgenol** 126(3):470–4, Mar 76
Editorial: Changing of the guard. Ter-Pogossian MM, et al. **Am J Roentgenol** 126(1):188–9, Jan 76
Letter: Must radiologists do all the reporting? **Br J Radiol** 49(584):739–40, Aug 76
Letter: Radiology and the community. Ayers AB. **Br J Radiol** 48(576):1043–4, Dec 75
Editorial: Radiology now. SI units. Bewley DK. **Br J Radiol** 49(581):391–2, May 76
Letter: Must radiologists do all the reporting. McLachlan MS. **Br J Radiol** 48(573):773, Sep 75
Letter: The new special names of SI units in the field of ionizing radiation. Wyckoff HO, et al. **Br J Radiol** 49(581):476–7, May 76
Editorial: Dangers in radiology? **Br Med J** 3(5980):396, 16 Aug 75
In vitro rubidium uptake by erythrocytes following low level x-ray exposure. Mettler FA Jr, et al. **Health Phys** 30(5):401–4, May 76
Radiology department is a 'maze' with careful and clear design. **Hospitals** 50(8):33–4, 16 Apr 76
Radiology expenses. Michela WA. **Hospitals** 50(11):41, 1 Jun 76
Application of holography to radiology and nuclear medicine. pp. 54–8. Barrett HH, et al. **In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.**
Radiology services. Cantwell D. **Ir Med J** 69(11):292–4, 26 Jun 76
Medicolegal aspects of radiology in the areas of contracts, malpractice and group practice. Davidson AT Sr. **J Natl Med Assoc** 67(4):283–6, 276, Jul 75
Improving communications between team physician and radiologist. Kilhenny C. **J Sports Med** 1(1):20, Sep–Oct 72
Editorial: Thank you and welcome!! Danilevicius Z. **JAMA** 236(10):1151, 6 Sep 76
Correspondence: ABR certification. Bjarngard BE, et al. **Med Phys** 2(3):125, May–Jun 75
Allergic reaction to contrast material used during I.V.P. (intravenous pyelogram)—examination of defendant hospital radiologist (also named as defendant)—malpractice—part II. **Med Trial Tech Q** 22(1):105–20, Summer 75
Allergic reaction to contrast material used during I.V.P. (intravenous pyelogram)—examination of defendant hospital radiologist (also named as defendant)—malpractice—part III. **Med Trial Tech Q** 22(2):183–216, Fall 75
Introduction. Recent advances in diagnostic radiology. Kricheff II. **Postgrad Med** 59(8):83, AUG 76
Informed consent: a medical decision. Allen RW. **Radiology** 119(1):233–4, Apr 76
How large the umbrella? Beeler JW. **Radiology** 118(3):735–6, Mar 76
How to get clinical histories in a community general hospital. Without losing rapport with the medical staff. Gelford GJ. **Radiology** 117(2):487–8, Nov 75
Experience with the AURA free-text documentation system. Gell G, et al. **Radiology** 119(1):105–9, Apr 76
A computer assisted radiological reporting system. Irwin GA, et al. **Radiology** 118(2):329–31, Feb 76
Exposure of radiologists to scattered radiation during radiodiagnostic examinations. Kan K, et al. **Radiology** 119(2):455–7, May 76
Out of the frying pan into the fire? Moss MT. **Radiology** 118(3):741, Mar 76
Richard Brian Holmes, M.D., F.R.C.P. (C). President, Radiological Society of North America. Reilly BJ. **Radiology** 118(2):475–6, Feb 76
The impact of computerized radiological reporting systems on the radiologist. Seltzer RA. **Radiology** 118(3):737–9, Mar 76
Letter from the editor: An exicting adventure. Felson B. **Semin Roentgenol** 10(4):247–9, Oct 75
Editorial: The radiologist and his fellow-physicians. Cimmino CC. **Va Med Mon** 103(2):161–2, Feb 76
[Annual report of the French Association of Medical Radiology, Nuclear Medicine and Electrology] **J Radiol Electrol Med Nucl** 56(8–9):VIII–XXXV, Aug–Sep 75 **(Fre)**
[Human behavior and instrumental disciplines] Lenzi M. **J Radiol Electrol Med Nucl** 56 suppl 2:699–700, 1975 **(Fre)**
[Letter: Specialist for internal medicine and roentgenology] Berensmann RD. **Dtsch Med Wochenschr** 101(10):390, 5 Mar 76 **(Ger)**
[Radiology legislation in medical practice] Kierski VWS. **Fortschr Med** 94(4):157–8, 179, 5 Feb 76 **(Ger)**
[Model considerations for the establishment of a thesaurus (author's transl)] Heinze G. **Radiobiol Radiother (Berl)** 16(1):85–90, 1975 **(Ger)**
[Editorial: Medical radiology today] Fuchs WA. **Ther Umsch** 31(10):691–3, Oct 74 **(Ger)**
[Letter: Legal and ethical aspects of the cooperation of the radiologist and clinician] Kuhn E. **Orv Hetil** 116(52):3095–7, 28 Dec 75 **(Hun)**
[Risks and benefits in medicine with special reference to radiology] Sakka M. **Hokkaido J Med Sci** 50(4):351–4, Jul 75 **(Jpn)**
[Quo vadis radiology? (AUTHOR'S TRANSL)] Rajszys R. **Pol Przegl Radiol** 40(2):81–5, Mar–Apr 76 **(Pol)**
[Radiology and informatics. Quo vadimus? (author's transl)] Smajkiewicz L. **Pol Przegl Radiol** 40(3):149–51, May–Jun 76 **(Pol)**
[Transformation and automation of radiological investigation descriptions (author's transl)] Wójtowicz J. **Pol Przegl Radiol** 40(2):131–9, Mar–Apr 76 **(Pol)**
[New achievements in Soviet medical radiology] **Med Radiol (Mosk)** 21(3):3–5, Mar 76 **(Rus)**
[New achievements of Soviet medical radiology] **Med Radiol (Mosk)** 21(3):3–5, Mar 76 **(Rus)**
[Role of radiology in modern medicine] Baĭsogolov GD, et al. **Med Radiol (Mosk)** 21(3):16–21, Mar 76 **(Rus)**
[Role of radiology in modern medicine] Bisogolov GD, et al. **Med Radiol (Mosk)** 21(3):16–21, Mar 76 **(Rus)**
[Main scientific achievements of medical radiology in the 9th Five-Year Plan] Zherbin BA, et al. **Med Radiol (Mosk)** 21(3):5–13, Mar 76 **(Rus)**
[Principal scientific progress in medical radiology in the 10th 5-year plan] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):5–13, Mar 76 **(Rus)**
[Provision for the radiation protection of medical personnel in a radiogynecologic department (according to the experience of the Research Institute of Oncology and Medical Radiology of the Ministry of Health of the Belorussian SSR)] Aleksandrov NN, et al. **Vopr Onkol** 21(7):101–6, 1975 (Eng. Abstr.) **(Rus)**
[Experience in the organization of a regional radiological center] Korzhinskiĭ LA, et al. **Zdravookhr Ross Fed** (2):17–22, Feb 76 **(Rus)**

EDUCATION

Radiology. De Giuli G. **Am Heart J** 91(1):128–9, Jan 76
Organizing a community department for academic radiology. Sherrick DW, et al. **Am J Roentgenol** 126(4):761–4, Apr 76
Reports on the higher examination. A survey of the examiners' comments and advice to candidates 1966–74. Carter PH. **Arch Virol** 41(1):225–9, 1975
Results of G.I. series. A.C.R. continuing education and self-evaluation programme. Benness GT. **Australas Radiol** 19(4):401, Dec 75
When should we send in our rads to bat alone? Harvey ND. **Australas Radiol** 20(1):5–7, Mar 76
Medical oncology and its relationship to radiotherapy. Sandeman TF. **Australas Radiol** 19(3):209–10, Sep 75
Editorial: Radiology now academic radiology. McLachlan MS. **Br J Radiol** 49(578):103–4, Feb 76
Manpower goals in radiation oncology. **Cancer** 37(4 Suppl):2140–8, Apr 76
Editorial: The radiology internship. Scheible RF, et al. **Invest Radiol** 11(3):241–3, May–Jun 76
Resident evaluation – is our method effective? Fisher LA, et al. **J Can Assoc Radiol** 27(2):122–5, Jun 76
Radiology self-teaching video-tape programs (RSVP) in a diagnostic radiology course. Berry HM Jr, et al. **J Dent Educ** 40(3):147–9, Mar 76
Aid for teaching roentgenographic technique. Mazzocco DM, et al. **J Dent Educ** 40(6):372–3, Jun 76
Organization and maintenance of a teaching file in a department of radiology. Collins JD. **J Natl Med Assoc** 68(2):113–4, Mar 76
Letter: A professor emigrates. Hodson J. **Lancet** 2(7980):316, 7 Aug 76
Recruitment in radiotherapy. Deelay TJ, et al. **Med Educ** 10(4):313–4, Jul 76
A survey of dental radiology evaluation in American dental schools. Ciola B. **Oral Surg** 42(2):249–54, Aug 76
A dental radiologic health laboratory teaching method. Hallisey RM, et al. **Oral Surg** 42(1):118–25, Jul 76
A teaching method for the paralleling technique. Jones PE, et al. **Oral Surg** 42(1):126–34, Jul 76
Letter: Grading of D.S.R. courses. Dockerty J. **Radiography** 41(488):181, Aug 75
Refresher course for radiographers. Drummond A. **Radiography** 41(485):122–3, May 75
History of a school. Millar M. **Radiography** 41(487):165–7, Jul 75
Tasks analysis in teaching radiography: is there a need for it? Smith N. **Radiography** 42(496):85–7, Apr 76
A teaching file, using 10 X 10 cm format copies. Mulder JD, et al. **Radiol Clin (Basel)** 45(2–4):336–42, 1976
Reading and continuing education in radiology. Cockshott WP. **Radiology** 120(3):741, Sep 76
The who, why and how of radiology teaching files. Martin NL. **Radiology** 119(2):489–90, May 76
The who, why and how of radiology teaching files. Martin NL. **Radiology** 119(3):745–6, Jun 76
Opionion: Intersociety collaboration in the cyclic presentation of categorical instructional courses. Nelson SW. **Radiology** 121(1):227–8, Oct 76
More effective devices for teaching undergraduate radiology. Squire LF, et al. **Radiology** 117(1):63–5, Oct 75
On the evaluation of medical students in radiology. Squire LF, et al. **Radiology** 117(1):67–9, Oct 75
On the importance of teaching undergraduate radiology. Squire LF, et al. **Radiology** 117(1):227–8, Oct 75
A contribution to resident education. Thompson WM, et al. **Radiology** 119(1):235–6, Apr 76
[Teaching machine for instruction of radiology (author's transl)] Hayashi S, et al. **Nippon Acta Radiol** 36(2):178–80, 1976 (Eng. Abstr.) **(Jpn)**
[The place of radiology among modern clinical disciplines and the present problems connected with its teaching (author's transl)] Kaniowski T. **Pol Przegl Radiol** 40(2):75–80, Mar–Apr 76 **(Pol)**
[Postgraduate training of radiologists] Antonovich VB, et al. **Vestn Rentgenol Radiol** (6):103–6, Nov–Dec 75 **(Rus)**

HISTORY

The supervoltage story. Janeway Lecture, 1974. Schulz MD. **Am J Roentgenol Radium Ther Nucl Med** 124(4):541–59, Aug 75
The inside story. Comroe JH Jr. **Am Rev Respir Dis** 113(3):381–5, Mar 76
The origins of the College. Scott RK. **Australas Radiol** 19(3):211–5, Sep 75
The father of radiology in New Zealand. Begg AC. **NZ Med J** 82(543):1–5, 9 Jul 75
In memorian: Charles Hanson Peterson, m.d. 1904–1975. Snead JG, et al. **Radiology** 119(1):238, Apr 76
Letter: A half century of radiology. Rigler LG. **Semin Roentgenol** 11(1):1–11, Jan 76
[Pediatric radiology] Snobl O, et al. **Cesk Pediatr** 30(12):607–8, Dec 75 **(Cze)**
[Beginings of cooperation between the urologists and radiologists] Páče V. **Cesk Radiol** 29(5):356–7, Sep 75 (Eng. Abstr.) **(Cze)**
[Introduction of x-rays into medicine] Schadewaldt H. **Dtsch Med Wochenschr** 100(47):2457–62, 21 Nov 75 **(Ger)**
[Memorial sheet. Establishment of Deutsche Röntgengesellschaft in Berlin 70 years ago, on May 2nd, 1905] Walther KM. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):470, May 75 **(Ger)**
[Herber Schoen 27.9.1997–20.8.1975] Oeser H. **Med Welt** 26(46):2114, 14 Nov 75 **(Ger)**
[The 1st professor of radiology, Gyula Elischer] Bugyi B. **Orv Hetil** 116(50):2958–9, 14 Dec 75 **(Hun)**
[Fifty years of activities of the Polish Medical Radiology Society (author's transl)] Szmurlo J. **Pol Przegl Radiol** 40(2):71–3, Mar–Apr 76 **(Pol)**
[Introduction. Session dedicated to the 50th anniversary of the Polish Medical Radiology Society (author's transl)] Wójtowicz J. **Pol Przegl Radiol** 40(2):69–70, Mar–Apr 76 **(Pol)**
[Development of scientific relations between roentgenologists and radiologists of the Central Scientific-Research Instiute of the Ministry of Public Health of USSR and scientific institutions of the Democratic Republic of Germany. On the 25th anniversary of the Democratic Republic of Germany and establishment of friendly relations between USSR and GDR] Mil'man NIa, et al. **Med Radiol (Mosk)** 20(12):64–6, Dec 75 **(Rus)**
[Work of a radiologist during World War II (personal recollections)] Grechishkin SV. **Vestn Rentgenol Radiol** (3):82–4, May–Jun 75 **(Rus)**

INSTRUMENTATION

Modification of the Rigaku-Denki x-ray goniometer with Kratky collimator for weakly scattering solutions. Murthy NS, et al. **J Phys E Sci Instrum** 9(7):563–6, Jul 76

MANPOWER

Letter: Must radiologists do all the reporting? **Br J Radiol** 49(577):97–8, Jan 76
Letter: Must radiologists do all the reporting? **Br J Radiol** 49(582):573–4, Jun 76
Letter: Should we report every film? Brindle MJ. **Br J Radiol** 49(579):298–9, Mar 76
Letter: Must radiologists do all the reporting? Lame EL. **Br J Radiol** 49(580):381, Apr 76
The radiologist and the industrial medical complex. Miles WA. **J Natl Med Assoc** 67(6):463–4, Nov 75
[Editorial: To recruit physicians] **Lakartidningen** 72(44):4221, 29 Oct 75 **(Swe)**
[Crisis in radiology: Better under graduate education and more AT-chances] **Lakartidningen** 72(44):4234, 29 Oct 75 **(Swe)**

STANDARDS

Editorial: Radiology now. Choices. Sherwood T. **Br J Radiol** 48(576):961–2, Dec 75

Things are as they are, not as they should be. Caldwell WL. **Radiology** 120(3):743–4, Sep 76

Radiology for the people. Chamberlain RH, et al. **Radiology** 120(3):737–9, Sep 76

RADIOMETRY

Letter: Percutaneous carotid arteriography resurrected. Wyckoff HO, et al. **Australas Radiol** 19(3):303–4, Sep 75

A personal contamination monitor using large area Geiger counters. Jones AR. **Health Phys** 28(5):521–7, May 75

The radiometry of phototherapy. pp. 1–20. Anderson RJ, et al.
In: Odell GB, et al., ed. Phototherapy in the newborn: an overview. Washington, D.C., National Academy of Sciences, 1974. WB 480 P575 1973. (16 ref.)

Radiometric techniques in microbiology. pp. 153–61. Randall EL.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.

Facility calibration, the commissioning of a process, and routine monitoring practices. pp. 69–81. Chadwick KH.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiation dosimetry problems when sterilizing medical products in gamma-irradiation plants. pp. 305–22. Krishnamurthy K.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

A new simple method to determine accurately the resolving time correction by two gamma-sources for a gamma-counting system. Ujhelyi C.
Int J Appl Radiat Isot 27(3):143–52, Mar 76

A general saturation curve for an ionization chamber filled with nitrogen at pressures up to 8 atmospheres. Boag JW, et al. **Phys Med Biol** 20(4):624–6, Jul 75

Energy dependence of the response of lithium fluoride TLD rods in high energy electron fields. Holt JG, et al. **Phys Med Biol** 20(4):559–70, Jul 75

Applications of cavity theories for electrons to LiF dosemeters. Paliwal BR, et al. **Phys Med Biol** 20(4):547–58, Jul 75

Light sources and detectors. Ruddock KH. **Res Prog Org Biol Med Chem** 3 Pt 1:3–28, 1972 (26 ref.)

Carcinogenic effect of radiation on the mouse embryo; physical aspects of radiation dosimetry. Agarwal YC, et al. **Strahlentherapie** 150(6):618–23, Dec 75

[Principles of dosimetry] pp. 44–60. Hegewald H.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[The new Gray and Becquerel radiologic measuring units] Harder D. **Med Welt** 26(44):1993–5, 31 Oct 75 (Ger)

[Method of calculation of absorbed doses in radioisotope study of the thyroid gland] Kalachev AI. **Med Radiol (Mosk)** 20(12):42–5, Dec 75 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Towards blood-gas autoanalysis an evaluation of the radiometer ABL. Selman BJ, et al. **Br J Anaesth** 48(5):487–94, May 76

Letter: Gamma camera field uniformity correction. Causer DA. **Br J Radiol** 48(575):955, Nov 75

Letter: 'The case of the latex gloves' in scintillation counting. Dewhurst PB, et al. **Clin Chem** 22(4):552, Apr 76

Bank of calibrated BeO ceramic dosimeters for TSEE and TL. Gammage RB, et al. **Health Phys** 30(3):311–3, Mar 76

Letter: Relation of activity measurements to free-air ionization chamber measurements. Lofton TP. **Health Phys** 29(2):335, Aug 75

Saturation characteristics of ionization chambers at low pressures. Varma MN, et al. **Health Phys** 29(3):399–405, Sep 75

Synthesis of frequency response of electric field probes. pp 41–57. Babij TM.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Industrial and dosimetric aspects of radiation sterilization in Australia. pp. 101–12. Wills PA, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

A transfer instrument for neutron dosimetry. Greene D, et al. **Int J Appl Radiat Isot** 27(4):239–55, Apr 76

The CdTe sub-miniature semi-conductor detector: a versatile instrument for detection of gamma radiation. Meyer E, et al. **Int J Appl Radiat Isot** 26(11):697–702, Nov 75

Automatic determination of high alpha-tract densities in polymer detectors. Polig E. **Int J Appl Radiat Isot** 26(9):519–25, Sep 75

Calculated 10–150 keV gamma-ray efficiency values for well-types NaI-detectors. Rieppo R, et al. **Int J Appl Radiat Isot** 26(9):553–61, Sep 75

Response of the hexahydroxyethyl pararosaniline cyanide dosimeter to 3-0-MeV protons. Rosenstein M, et al. **Int J Appl Radiat Isot** 26(6–7):423–6, Jun–Jul 75

A simplified instrument for solid-state high-gamma dosimetry. Tanaka R, et al. **Int J Appl Radiat Isot** 27(2):73–7, Feb 76

Calibration figures for the type 1383A ionization chamber. Woods MJ, et al. **Int J Appl Radiat Isot** 26(8):488, Aug 75

Calibration of the 1383A ionization chamber for 125I. Woods MJ, et al. **Int J Appl Radiat Isot** 26(8):488–90, Aug 75

The half-life of 133Xe and its calibration factor for the 1383A ionization chamber. Woods ML, et al. **Int J Appl Radiat Isot** 26(8):485–7, Aug 75

Torque feedback radiometer for ultrasonic power measurements. Dunbar LE. **J Clin Ultrasound** 4(4):293–5, Aug 76

The Denver universal microspectroradiometer (DUM). II. Computer configuration and modular programming for radiometry. Galbraith W, et al. **J Microsc (Oxf)** 105(3):237–64, Dec 75

Proceedings: Use of thermography for quantitation of energy absorption in animals irradiated with microwaves. Bielec M, et al. **J Microwave Power** 11(2):152–3, Jun 76

Proceedings: Non-perturbing microprobes for measurement in electromagnetic fields. Deficis A, et al. **J Microwave Power** 11(2):148–9, Jun 76

Stem corrections for ionization chambers. Ibbott GS, et al. **Med Phys** 2(6):328–30, Nov–Dec 75

Transfer dosemeters for fast neutron sources. Becker K, et al. **Phys Med Biol** 21(1) Jan 76

The energy response of LiF, film and a chemical dosemeter to high energy photons and electrons. Bistrović M, et al. **Phys Med Biol** 21(3):414–21, May 76

An ionization chamber for therapy-level dosimetry of electron beams. Morris WT, et al. **Phys Med Biol** 20(3):718–27, Sep 75

Counting losses in multidetector radiation counters. Oxby CB, et al. **Phys Med Biol** 21(1):104–16,

The influence of the counter wall and the counter shape on the spectral energy deposition in small volumes by 60Co gamma-rays and 200 kV x-rays. Eickel R, et al. **Radiat Environ Biophys** 13(2):145–65, 30 Jul 76

A study of the cavity displacement effect in 'thimble chambers' using LiF dosimeters. Fregene AO. **Radiat Res** 64(3):564–72, Dec 75

['TAC' film, a plastic dosimeter for practical measurement of irradiation doses received during sterilization] pp. 113–34. Puig JR, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) (Fre)

[General structure of radiometric plates in nuclear medicine] pp. 281–91. Potschwadek B.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Measuring comparison of nuclides 131I and 57Co with Isotope-alibrator (author's transl)] Thieme K, et al. **Radiobiol Radiother (Berl)** 17(1):97–9, 1976 (Eng. Abstr.) (Ger)

[The ionization chamber with graphite walls at the Istituto Superiore di Sanita] Cremonese M, et al. **Ann Ist Super Sanita** 10(1–2):79–94, 1974 (Eng. Abstr.) (Ita)

METHODS

Assessment of vitamin B12 absorption in tropical sprue utilizing a whole body counter. Corcino JJ, et al. **Bol Asoc Med PR** 68(2):29–31, Feb 76

Measurement of regional myocardial blood flow in dogs using a catheter semiconductor radiation detector. Sasaki Y, et al. **Cardiovasc Res** 10(4):499–502, Jul 74

Luminescence dosimetry using sodium fluoride single crystals. Datta S, et al. **Health Phys** 29(3):420–1, Sep 75

Ultrasonic measuring techniques. pp. 59–89. Stewart HF.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Use of ceric sulphate and Perspex dosimeters for the calibration of irradiation facilities. pp. 83–99. Chu RD, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Proceedings: Passive telemetry for in vivo measurement of fields in biological materials. Brodin ME. **J Microwave Power** 11(2):151–2, Jun 76

Pitfalls in radiometric sterility assay. Hetzel KR, et al. **J Nucl Med** 16(8):798, Aug 75

A method of X-ray attenuation analysis for approximating the intensity distribution at its point of origin of bremsstrahlung excited in a thick target by incident electrons of constant medium energy. Soole BW. **Phys Med Biol** 21(3):369–89, May 76

An assay of biological dosimetry from the changed number of lymphocytes and hypersegmented neutrophiles evaluated by means of statistical decision method. Zak M, et al. **Strahlentherapie** 150(6):578–84, Dec 75

[Clinical and research use of automatic radiometric methods in vitro] Tran N, et al. **Union Med Can** 104(2):207–11, Feb 75 (Eng. Abstr.) (Fre)

[Nuclear medical thrombosis diagnosis, current state and developmental trends] Endert G, et al. **Folia Haematol (Leipz)** 102(2):157–62, 1975 (Ger)

[Simplest principles of counting statistics] pp. 292–5. Potschwadek B.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Adaptation of collimator-detector system for scintigraphical objectives] pp. 295–306. Tautz M.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Detection of miction course by means of radionuclides (author's transl)] Hliscs R, et al. **Radiobiol Radiother (Berl)** 17(1):189–94, 1976 (Eng. Abstr.) (Ger)

[Proceedings: The 201 thallium scintigram of the heart as an indicator for the distribution of vital myocardium] Neumann G, et al. **Z Kardiol** Suppl 2:41, 1975 (Ger)

[Proceedings: Myocardial scintigraphy with 201 thallium] Sebening H, et al. **Z Kardiol** Suppl 2:42, 1975 (Ger)

[Proceedings: Regional perfusion distribution in the myocardium by means of drugs with effects on the coronary vessels] Wagner J, et al. **Z Kardiol** Suppl 2:43, 1975 (Ger)

[Electron dosimetry in radiotherapy—with special reference to less than 10 MeV electron dosimetry (author's transl)] Nishidai T, et al. **Nippon Acta Radiol** 35(4):171–9, 25 Apr 75 (Eng. Abstr.) (Jpn)

[Study of the content of radioactive substances in the body of workers using a portable human radiation counter (HRC)] Voronin KV, et al. **Gig Sanit** (2):50–3, Feb 75 (Eng. Abstr.) (Rus)

[Preparation of animal tissue samples for radiometry] Zelentsova TIa. **Veterinariia** (7):109–10, Jul 76 (Rus)

STANDARDS

The new special names of SI units in the field of ionizing radiations. Wyckoff HO, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):579–80, Dec 75

[German norms. Neutron dosimetry. Concepts and nomenclature. DIN 6802, page 1] **Fortschr Geb Roentgenstr Nuklearmed** 122(2):177–83, Feb 75 (Ger)

[Terms and definitions in the field of radiological technique; collimators and shielding for measuring instruments in nuclear medicine. DIN 6814, part 13, proposed May 1976 (author's transl)] **Fortschr Geb Roentgenstr Nuklearmed** 125(2):197–200, Aug 76 (Ger)

[Introductory contribution to the outline of norms DIN 6802, page 1 'Neutron dosimetry, concepts and nomenclature'] Harder D. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):176, Feb 75 (Ger)

[Introductory contribution to the proposed standards DIN 6814, part 13] Jordan K. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):196, Aug 76 (Ger)

RADIOPAQUE MEDIA see **CONTRAST MEDIA**

RADIORECEPTOR ASSAY see **RADIOLIGAND ASSAY**

RADIOTHERAPY

Radical hysterectomy or radiotherapy for stage I cervical cancer. A prospective comparison with 5 and 10 years follow-up. Newton M. **Am J Obstet Gynecol** 123(5):535–42, 1 Nov 75

Radiation therapy among A-bomb survivors. Russell WJ, et al. **Am J Public Health** 66(8):773–7, Aug 76

Transformation delay of lymphocytes in patients undergoing radiation therapy. Merz T, et al. **Am J Roentgenol** 127(2):337–9, Aug 76

Editorial: Informed consent and the radiation therapist's responsibility. VeGario GD, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):740–2, Nov 75

Ionizing radiation therapy in dermatology. Current use in the United States and Canada. Goldschmidt H. **Arch Dermatol** 111(11):1511–7, Nov 75

A survey on varieties of non-malignant conditions treated in a regional centre for radiotherapy and oncology. Das S. **Br J Clin Pract** 30(5):109–10, May 76

Editorial: Neutron therapy. **Br J Ophthalmol** 60(4):235, Apr 76

Letter: Ultrasound scanning in a radiotherapy department. Badcock P, et al. **Br J Radiol** 49(581):478, May 76

The effect of radiation therapy on the kinetics of in vitro lymphocyte response to mitogens. Byfield PE, et al. **Clin Immunol Immunopathol** 6(1):22–30, Jul 76

Letter: Rotterdamsch Radio-Therapeutisch Instituut. Fokkens W. **Clin Toxicol** 9(3):461–2, 1976

Radiation therapy modeling: criteria of utility. pp. 57–68. Zimmerman SO, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. W 84 AA1 S6c 1975.

Report of radiation therapy and therapeutic. Radioisotope facilities and personnel in Indiana. A model for projecting need in 1980. Hornback NB, et al. **J Indiana State Med Assoc** 69(7):503–12, Jul 76

Dose distribution of therapeutic electron beams and automation of treatment planning. Osman G. **J Med** 7(2):143–67, 1976

Intraoral infrared color photography of radiotherapy patients. McCarty GA Jr. **J Prosthet Dent** 35(3):327–31, Mar 76

Diagnostic and therapeutic radiation exposure. Russell WJ. **J Radiat Res (Tokyo)** 16 Suppl:42–8, Sep 75

Cardiac pacemakers. Does radiation therapy affect performance? Walz BJ, et al. **JAMA** 234(1):72–3, 6 Oct 75

Recruitment in radiotherapy. Deelay TJ, et al. **Med Educ** 10(4):313–4, Jul 76

Patterns of care – radiation therapy in Michigan. White JE. **Mich Med** 74(30):639–40, Oct 75

Unsealed radioactive materials in medical practice in New Zealand. McEwan AC. **NZ Med J** 82(547):163–8, 10 Sep 75

Rapid depth dose determination by a computer-controlled dosimetry system. Bottrill DO, et al. **Phys Med Biol** 20(6):980–9, Nov 75

Use of a simulator in treatment planning. Dische S, et al. **Proc R Soc Med** 68(12):749–51, Dec 75

Planning in radiotherapy: practical aspects. Rhys-Lewis RD. **Proc R Soc Med** 68(12):751–3, Dec 75

Planning in radiotherapy departments: techniques and problems–general aspects. Ross WM. **Proc R Soc Med** 68(12):754–6, Dec 75

Applications of computers in treatment planning. Thompson DJ. **Proc R Soc Med** 68(12):753–4, Dec 75

Letter: Beta emission from encapsulated sources of californium-252. Dicello JF, et al. **Radiat Res** 64(2):401–4, Nov 75

Current trends in radiotherapy. Arthur K. **Radiography** 41(485):124–5, May 75

Radiation therapy technologist survey: state of Michigan. White JE, et al. **Radiol Technol** 47(5):309–10, Mar–Apr 76

Backgrounds of computer-assisted treatment planning in radiation therapy. van de Geijn J. **Radiologe** 15(6):224–230, Jun 75

The use of computed tomography for radiation therapy treatment planning. Chernak ES, et al. **Radiology** 117(3 Pt 1):613–4, Dec 75

Radiation-related eosinophilia. Correlation with delayed hypersensitivity, lymphocyte count, and survival in patients treated by curative radiotherapy. Ghossein NA, et al. **Radiology** 117(2):413–7, Nov 75

Shielding technique for small ports in the superficial and orthovoltage range. Root WJ, et al. **Radiology** 117(2):472, Nov 75

Computer tomographic localization for radiotherapy of cerebral tumors. Zimmerman RA, et al. **Radiology** 119(1):230–1, Apr 76

Water (electrolyte) balance after abdominal therapeutic treatment. Cionini L, et al. **Strahlentherapie** 152(1):78–82, Jul 76

Radiation protection of the patient during radiotherapy. Novotny J, et al. **Strahlentherapie** 152(2):191–8, Aug 76

Radiation effects on microbiological flora of patients with head and neck cancer. Gill G, et al. **Surg Forum** 26:533–4, 1975

Effect of radiation therapy on facial nerve cable autografts. McGuirt WF. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 486–98, Jul–Aug 76

[Therapeutic trials in man] Schwartz D. **Bull Cancer (Paris)** 61(2):177–84, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[Photogrammetric determination of body contours in radiotherapy] pp. 474–82. Defer J, et al. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.** (Eng. Abstr.) **(Fre)**

[Use of photogrammetry for taking body contours in radiotherapy] Borel F, et al. **J Radiol Electrol Med Nucl** 56(5):433–7, May 75 (Eng. Abstr.) **(Fre)**

[Radiotherapy following the meaning of GOA (Fee Regulations for Physicians) and E-Adgo] Rieger HJ. **Dtsch Med Wochenschr** 101(15):594–5, 9 Apr 76 **(Ger)**

[Studies in white rats on the biological effectiveness of the combined effect of radiation and cyclophosphamide, depending on dosage, fractionation, and the time sequence of the combination] Schmidt W. **Radiobiol Radiother (Berl)** 15(2):295–302, 1974 (Eng. Abstr.) **(Ger)**

[Output key radiology and its possible use for representing the degree of radiological care (author's transl)] Dietze R. **Radiol Diagn (Berl)** 16(3):473–82, 1975 **(Ger)**

[Computer-aided radiation therapy. Requirements and criteria demonstrated by an example (author's transl)] Calamini A, et al. **Radiologe** 15(6):231–4, Jun 75 (Eng. Abstr.) **(Ger)**

[Uric acid balance in radiotherapy] Alth G, et al. **Strahlentherapie** 151(5):449–58, May 76 (Eng. Abstr.) **(Ger)**

[Influence of radiotherapy on lymphocyte stimulation] Renner H, et al. **Strahlentherapie** 152(2):140–8, Aug 76 (Eng. Abstr.) **(Ger)**

[The physics in radiotherapy (author's transl)] Peracchia G. **Ateneo Parmense [Acta Biomed]** 46(6):589–96, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Occupational exposure to x-irradiation in Poland. Probability of exceeding the vital dosage] Jankowski J, et al. **Pol Przegl Radiol** 39(3):387–94, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Clinical aspects of radiation therapy of nontumorous diseases] Kishkovskiĭ AN, et al. **Med Radiol (Mosk)** 20(9):3–12, Sep 75 (Eng. Abstr.) **(Rus)**

[Changes in the lymphogram following radiation therapy and chemotherapy] Todorova L. **Med Radiol (Mosk)** 20(8):66–9, Aug 75 **(Rus)**

[Punched cards for documentation of data in short-distance radiotherapy] Ustinova VF, et al. **Med Radiol (Mosk)** 20(12):33–8, Dec 75 **(Rus)**

ADVERSE EFFECTS

Radiation-induced heart disease Stroobandt R, et al. **Acta Cardiol (Brux)** 30(5):383–92, 1975

Partially resected and irradiated cerebellar astrocytoma of childhood: malignant evolution after 28 years. Budka H. **Acta Neurochir (Wien)** 32(1–2):139–46, 1975

Frequency of severe complications after radiation therapy for cervical carcinoma. Einhorn N. **Acta Radiol [Ther] (Stockh)** 14(1):42–8, Feb 75

Radiation-induced renal disease. A clinicopathologic study. Keane WF, et al. **Am J Med** 60(1):127–37, Jan 76

Coronary heart disease after mediastinal irradiation for Hodgkin's disease. McReynolds RA, et al. **Am J Med** 60(1):39–45, Jan 76

Parametrial calcification in cervical carcinoma patients treated with radioactive gold. Deeths TM, et al. **Am J Roentgenol** 127(3):511–3, Sep 76

Radiation-induced renovascular hypertension. Staab GE, et al. **Am J Roentgenol** 126(3):634–7, Mar 76

Late sequelae of radiation therapy in cancer of the head and neck with particular reference to the nasopharynx. Ballantyne AJ. **Am J Surg** 130(4):433–6, Oct 75 (21 ref.)

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **Am J Surg** 132(03):89–91, Sep 76

Combined abdominotranssacral reconstruction of the radiation-injured rectum. Marks G. **Am J Surg** 131(1):54–9, Jan 76

Complications following radiotherapy in gynaecological carcinoma: comparison between X-ray and megavoltage therapy. Punnonen R, et al. **Ann Chir Gynaecol Fenn** 65(1):62–7, 1976

Adult thyroid cancer after head and neck irradiation in infancy and childhood. Becker FO, et al. **Ann Intern Med** 83(3):347–51, Sep 75

Letter: Radiation and thyroid neoplasia. McConahey WM, et al. **Ann Intern Med** 84(6):749–50, Jun 76

Hypopituitarism after external irradiation. Evidence for both hypothalamic and pituitary origin. Samaan NA, et al. **Ann Intern Med** 83(6):771–7, Dec 75

Second primary cancer after irradiation of laryngeal cancer. Lawson S, et al. **Ann Otol Rhinol Laryngol** 84(6):771–5, Nov–Dec 75

Repair of chest wall defects after irradiation for breast cancer. Hughes LE. **Ann R Coll Surg Engl** 58(2):140–3, Mar 76

Neurofibrosarcoma following radiotherapy for ankylosing spondylitis. Bentley SJ, et al. **Ann Rheum Dis** 34(6):536–8, Dec 75

Growth hormone deficiency after treatment of acute leukaemia in children. Shalet SM, et al. **Arch Dis Child** 51(7):489–93, Jul 76

Follow-up study of patients treated by X-ray epilation for Tinea capitis; resurvey of post-treatment illness and mortality experience. Shore RE, et al. **Arch Environ Health** 31(1):21–8, Jan–Feb 76

Sebaceous gland carcinoma of the eyelid. Schlernitzauer DA, et al. **Arch Ophthalmol** 94(9):1523–5, Sep 76

Vascular alterations in delayed radiation necrosis of the brain. An electron microscopical study. Llena JF, et al. **Arch Pathol Lab Med** 100(10):531–4, Oct 76

Radiation myelopathy. Sutherland IA, et al. **Arch Phys Med Rehabil** 57(2):81–4, Feb 76

Ovarian failure following abdominal irradiation in childhood. Shalet SM, et al. **Br J Cancer** 33(6):655–8, Jun 76

Proceedings: Cumulative radiation effect in the assessement of moulds, implants and insertions. Kirk J. **Br J Radiol** 48(575):948–9, Nov 75

Proceedings: A patient with ataxia-telangiectasia showing abnormal radiosensitivity to normal doses of irradiation. Mann JR. **Br J Radiol** 49(582):560, Jun 76

Late effects of x irradiation in patients treated for metropathia haemorrhagica. Smith PG, et al. **Br J Radiol** 49(579):224–32, Mar 76

Proceedings: The effects of varied numbers of dose fractions and overall treatment time on the radiation response of normal human skin. Young CM, et al. **Br J Radiol** 49(582):558, Jun 76

Editorial: Radiotherapy and the heart in Hodgkin's disease. **Br Med J** 1(6022):1360, 5 Jun 76

Observations on radiation myelopathy. Godwin-Austen RB, et al. **Brain** 98(4):557–68, Dec 75

Radiation as a cause of breast cancer. Simon N, et al. **Bull NY Acad Med** 52(7):741–51, Sep 76

Delayed cerebrovascular consequences of therapeutic radiation. A clinicopathologic study of a stroke associated with radiation-related carotid arteriopathy. Conomy JP, et al. **Cancer** 36(5):1702–8, Nov 75

Radiation-induced xerostomia in cancer patients. Effect on salivary and serum electrolytes. Dreizen S, et al. **Cancer** 38(1):273–8, Jul 76

Enhanced pulmonary toxicity with bleomycin and radiotherapy in oat cell lung cancer. Einhorn L, et al. **Cancer** 37(5):2414–6, May 76

Rupture of major vessels after radiation. Fajardo LF, et al. **Cancer** 36(3):904–13, Sep 75

Augmentation mammoplasty, irradiation, and breast cancer. A case report. Frantz P, et al. **Cancer** 36(3):1147–50, Sep 75

Radiation-induced intracranial malignant fibrous histiocytoma. Gonzalez-Vitale JC, et al. **Cancer** 37(6):2960–3, Jun 76

Hyperkaiemia complicating splenic irradiation of chronic lymphocytic leukemia. Kurlander R, et al. **Cancer** 36(3):926–30, Sep 75

Fine structure of a radiation-induced osteogenic sarcoma. Lee WR, et al. **Cancer** 36(4):1414–25, Oct 75

Chronic neurologic disturbance in childhood leukemia. McIntosh S, et al. **Cancer** 37(2):853–7, Feb 76

Survival and complications of radiotherapy following involved and extended field therapy of Hodgkin's disease, stages I and II. A collaborative study. Nickson JJ, et al. **Cancer** 38(1):288–305, Jul 76

Late effects of therapeutic irradiation on the skeleton and bone marrow. Parker RG, et al. **Cancer** 37(2 Suppl):1162–71, Feb 76

A case of hyperparathyroidism associated with radiation to the head and neck area. Rosen IB, et al. **Cancer** 36(3):1111–4, Sep 75

Radiation carcinogenesis. Son YH. **Cancer** 36(3):941–5, Sep 75

Acute and late effects on normal tissues following combined chemo- and radiotherapy for childhood rhabdomyosarcoma and Ewing's sarcoma. Tefft M, et al. **Cancer** 37(2 Suppl):1201–17, Feb 76

The effects of therapeutic radiation on colonic mucosa. Weisbrot IM, et al. **Cancer** 36(3):931–40, Sep 75

The histopathologic basis for functional decrements in late radiation injury in diverse organs. White DC. **Cancer** 37(2 Suppl):1126–43, Feb 76

Myocardial infarction in a 27-year-old woman: possible complication of treatemtn with VP-16-213 (NSC-141540), mediastinal irradiation, or both. Schecter JP, et al. **Cancer Chemother Rep** 59(5):887–8, Sep–Oct 75

Effect of splenectomy and radiotherapy on lymphocytes in Hodgkin's disease. Sutherland RM, et al. **Clin Oncol** 1(4):275–84, Dec 75

Orgotein: a new drug for the treatment of radiation cystitis. Marberger H, et al. **Curr Ther Res** 18(3):466–75, Sep 75

Surgical management of radiation injury of the small and large intestine. Deveney CW, et al. **Dis Colon Rectum** 19(1):25–9, Jan–Feb 76 (15 ref.)

Hepatoma occurring two decades after hepatic irradiation. Moore TA, et al. **Gastroenterology** 71(1):128–32, Jul 76

Recalling former patients: weighing the risks. Phillips DF. **Hospitals** 49(22):85–8, 16 Nov 75

Late complications of extended field therapy: an account of the experiences of a British Lymphoma Group. pp. 242–8. Dawson WB. **In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.**

Complications of extended field irradiation for Hodgkin's disease. pp. 237–41. Le Bourgeois JP, et al. **In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.**

Supportive treatment during radiotherapy in patients with Hodgkin's disease. pp. 233–6. Mandelli F, et al. **In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.**

Panel discussion. Questions and answers. What can go wrong in the surgery and radiotherapy of abdominal cancer and how are these complications to be managed? pp. 151–71. Pearl MJ, et al. **In: Cohen RJ, Castro JR, ed. Current concepts in the diagnosis and treatment of the intra-abdominal cancers. Flushing, N.Y., Medical Examination Publishing, 1975. W3 SA313 1974c.**

Effects of irradiation on saliva in cancer patients. Ben-Aryeh H, et al. **Int J Oral Surg** 4(5):205–10, Oct 75

The metabolites of catecholamines in urine of patients irradiated therapeutically. Peričić D, et al. **Int J Radiat Biol** 29(4):367–76, Apr 76

Dental caries after radiotherapy of the oral regions. Karmiol M, et al. **J Am Dent Assoc** 91(4):838–45, Oct 75

Skeletal alterations following irradiation for Wilms' tumor: with particular reference to scoliosis and kyphosis. Riseborough EJ, et al. **J Bone Joint Surg [Am]** 58(4):526–36, Jun 76

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **J Can Assoc Radiol** 27(2):89–91, Jun 76

Effect of radiation-induced xerostomia on human oral microflora. Brown LR, et al. **J Dent Res** 54(4):740–50, Jul–Aug 75

Complications in the treatment of hemangiomas. Rees TD, et al. **J Dermatol Surg** 1(4):29–32, Dec 75

Radiation to the head, neck and upper thorax of the young and thyroid neoplasia. Schreiner RL. **J Indiana State Med Assoc** 69(3):149–50, Mar 76

Management of patients with a history of radiation therapy to the head and neck during childhood.

J Kans Med Soc 77(5):212, May 76

Osteoradionecrosis of the temporal bone. Ramsden RT, et al. **J Laryngol Otol** 89(9):941–55, Sep 75

Sarcoma arising in irradiated jawbones. Possible relationship with previous non-malignant bone lesions. Report of 6 cases and review of the literature. De Lathouwer C, et al. **J Maxillofac Surg** 4(1):8–20, Mar 76

Neoplasms in persons treated with x-rays in infancy: fourth survey in 20 years. Hempelmann LH, et al. **J Natl Cancer Inst** 55(3):519–30, Sep 75

Editorial: Post-therapeutic radiation injuries of the nervous system. Reflections on their prevention. Zeman W, et al. **J Neurol** 212(2):107–15, 23 Apr 76

Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report. Diengdoh JV, et al. **J Neurosurg** 44(6):732–4, Jun 76

Fibromatosis presenting as a cranial mass lesion; case report. Quest DO, et al. **J Neurosurg** 44(2):237–40, Feb 76

Comparison of 99mTc and 123I for thyroid imaging. Arnold JE, et al. **J Nucl Med** 17(4):261–7, Apr 76

Salivary gland uptake of 67Ga-citrate following radiation therapy. Bekerman C, et al. **J Nucl Med** 17(8):685–7, Aug 76

Letter: Radiotherapy-induced liver scan defects. Herbst KD, et al. **J Nucl Med** 17(5):424–5, May 76

Letter: Acute leukemia following anticancer treatment. Gutjahr P, et al. **J Pediatr** 87(6 Pt 1):1004–5, Dec 75

Editorial: Leukemia in survivors of Wilms tumor. Miller RW. **J Pediatr** 87(3):505–6, Sep 75

Delayed onset of hypopituitarism: sequelae of therapeutic irradiation of central nervous system, eye, and middle ear tumors. Richards GE, et al. **J Pediatr** 89(4):553–9, Oct 76

Leukemia in children with Wilms tumor. Schwartz AD, et al. **J Pediatr** 87(3):374–6, Sep 75

Characteristics of irradiated soft and hard tissues. Adisman IK. **J Prosthet Dent** 35(5):549–52, May 76

Radiation nephritis: a review. Madrazo A, et al. **J Urol** 114(6):822–7, Dec 75 (29 ref.)

Letter: Leukopenia after postmastectomy irradiation. **JAMA** 236(8):916–7, 23 Aug 76

Leukopenia after postmastectomy irradiation. Lewis CL, et al. **JAMA** 235(7):747–8, 16 Feb 76

Hypothyroidism after x irradiation to the neck: three case reports and a brief review of the literature. Adler RA, et al. **Johns Hopkins Med J** 138(5):180–4, May 76

Letter: Radiation and pituitary function in children. Dacou-Voutetakis C, et al. **Lancet** 2(7946):1206–7, 13 Dec 75

Doxorubicin, radiotherapy, and oesophageal stricture. Horwich A, et al. **Lancet** 2(7934):561–2, 20 Sep 75

Treatment of radiation-induced gastrointestinal distress with acetylsalicylate. Mennie AT, et al. **Lancet** 2(7942):942–3, 15 Nov 75

Letter: Thyroid cancer and therapy with 131I. Piers DA. **Lancet** 2(7981):373, 14 Aug 76

Letter: Danger of aspirin during pelvic irradiation. Pounder RE. **Lancet** 2(7943):1044–5, 22 Nov 75

Sensori-heural hearing loss following radiotherapy to the nasopharynx. Moretti JA. **Laryngoscope** 86(4):598–602, Apr 76

An apparatus for measuring the effects of radiotherapy on the elastic properties of human skin in vivo. Hutton WC, et al. **Med Biol Eng** 13(4):584–5, Jul 75

Osteogenic sarcoma following radiotherapy for bursitis. Glicksman AS, et al. **Mt Sinai J Med NY** 43(2):163–7, Mar–Apr 76

Thyroid cancer occurring as a late consequence of head-and-neck irradiation. Evaluation of 1056 patients. Favus MJ, et al. **N Engl J Med** 294(19):1019–25, 6 May 76

Letter: Follow-up of children treated with 131-I. Safa AM, et al. **N Engl J Med** 294(1):54, 1 Jan 76

Peritoneal osteosarcoma following irradiation therapy of ovarian cancer. Paik HH, et al. **Obstet Gynecol** 47(4):488–91, Apr 76

The effect of radiation-induced xerostomia on saliva and serum lysozyme and immunoglobulin levels. Brown LR, et al. **Oral Surg** 41(1):83–92, Jan 76

Chemical protection against postirradiation dental caries. Wescott WB, et al. **Oral Surg** 40(6):709–19, Dec 75

Patients exposed to therapeutic irradiation for benign conditions in childhood. Carroll RG. **Pa Med** 79(4):27–31, Apr 76

Editorial: Over-concern can equal hysteria—thyroid cancer. Tristan TA. **Pa Med** 79(2):49–51, Feb 76

Observations on polycythemia vera turning into acute or chronic granulocytic leukemia during treatment with radioactive phosphorus 32P. Krańik W. **Pol Med Sci Hist Bull** 15(4):447–52, Jul–Aug 75

Chemoprotection against fractionated radiation exposures with WR-2721: skin injury. Echols FS, et al. **Radiat Res** 66(3):499–504, Jun 76

Chromosomal abberations in lymphocytes of normal adults long after thymus irradiation. Goh K, et al. **Radiat Res** 67(1):82–5, Jul 76

Workshop on late effects of irradiation to the head and neck in infancy and childhood. Beahrs OH. **Radiology** 120(3):733–4, Sep 76

Osteonecrosis in patients treated with definitive radiotherapy for squamous cell carcinomas of the oral cavity and naso-and oropharynx. Bedwinek JM, et al. **Radiology** 119(3):665–7, Jun 76

The late consequences of successful cancer treatment given children and adolescents. D'Angio GJ. **Radiology** 114(1):145, Jan 75

Radiological manifestations of radiation-induced injury to the normal upper gastrointestinal tract. Goldstein HM, et al. **Radiology** 117(1):135–40, Oct 75

Herpes zoster in children with stage I–III Hodgkin's disease. Goodman R, et al. **Radiology** 118(2):429–31, Feb 76

Anticipation of dental anomalies induced by radiation therapy. Guggenheimer J, et al. **Radiology** 117(2):405–6, Nov 75

Aspermia and recovery of spermatogenesis in cancer patients following incidental gonadal irradiation during treatment: a progress report. Hahn EW, et al. **Radiology** 119(1):223–5, Apr 76

Visual complications following irradiation for pituitary adenomas and craniopharyngiomas. Harris JR, et al. **Radiology** 120(1):167–71, Jul 76

Postirradiation atrophic changes of bone and related complications. Howland WJ, et al. **Radiology** 117(3 Pt 1):677–85, Dec 75

Oncogenesis and other late effects of cancer treatment in children. Meadows AT, et al. **Radiology** 114(1):175–80, Jan 75

The effects of radiation therapy on bone growth. Probert JC, et al. **Radiology** 114(1):155–62, Jan 75

Bronchogenic carcinoma following postmastectomy irradiation. Steinfeld AD, et al. **Radiology** 119(1):215–6, Apr 76

Radiation injury to abdominal aorta and iliac artery sustained in infancy. Lee DH, et al. **S Afr Med J** 50(17):658–60, 17 Apr 76

Acute myeloid leukaemia complicating a breast cancer after mastectomy and radiotherapy. Gardais J. **Scand J Haematol** 16(5):353–6, May 76

Aorto-oesophageal fistula complicating carcinoma of the oesophagus. Review of the literature and report of a case following irradiation and cytostatic therapy. Söreide O, et al. **Scand J Thorac Cardiovasc Surg** 10(1):79–84, 1976

Adverse reactions to radiopharmaceuticals. Shani J, et al. **Semin Nucl Med** 6(3):305–28, Jul 76

Recent developments in radiation-induced carcinoma of the thyroid. Kaplan EL. **Surg Clin North Am** 56(1):199–205, FEB 76

Effect of nonthymic irradiation on cellular immunocompetence. Silverman NA, et al. **Surg Forum** 26:345–6, 1975

Carcinoma of the thyroid after radiation to the neck. Crile G Jr. **Surg Gynecol Obstet** 141(4):602–3, Oct 75

Management of colitis caused by irradiation. Smith JS Jr, et al. **Surg Gynecol Obstet** 142(4):569–72, Apr 76

Radiation necrosis of the brain following radiotherapy of extracerebral neoplasms. Kusske JA, et al. **Surg Neurol** 6(1):15–20, Jul 76

Brain necrosis after repeated radiotherapy. Takeuchi J, et al. **Surg Neurol** 5(2):89–93, Feb 76

Prostate carcinoma: measures to improve therapeutic response and prevent complications. Green N, et al. **Urology** 6(3):287–90, Sep 75

Thyroid cancer. Delayed effects of head and neck irradiation in children. Earle J. **West J Med** 123(4):340, Oct 75

[Case of fatal complications as a manifestation of hypersensitivity to radiotherapy] Krushkov I, et al. **Akush Ginekol (Sofiia)** 15(1):78–81, 1976 (Eng. Abstr.) **(Bul)**

[Roentgenologic aspects of radiation-induced enteritis] Schlangen JT. **Ned Tijdschr Geneeskd** 119(42):1619–24, 18 Oct 75 (Eng. Abstr.) **(Dut)**

[Late radionecrosis of the cerebrum] van Duinen MT. **Ned Tijdschr Geneeskd** 120(7):282–95, 14 Feb 76 (Eng. Abstr.) **(Dut)**

[Clinico-pathological conference XXXIII. Pleuritis and pericarditis after surgery and irradiation of a thymoma] Aro A. **Duodecim** 92(5):257–67, 1976 **(Fin)**

[Our experience in the treatment of thoracic radionecrosis] Meline F, et al. **Ann Chir Plast** 21(1):35–42, 1976 (Eng. Abstr.) **(Fre)**

[Postradiotherapy renal insufficiency] de Prost Y, et al. **Ann Med Interne (Paris)** 126(4):303–8, Apr 75 **(Fre)**

[Radiation-induced cancers. Apropos of 2 cases] Rigaud A, et al. **Ann Med Interne (Paris)** 126(12):837–45, Dec 75 **(Fre)**

[Leiomyosarcoma of the colon. Report of a case possibly induced by radiotherapy (author's transl)] Libeskind M, et al. **Arch Fr Mal App Dig** 65(3):277–33, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Anaplastic epithelioma of the thyroid gland 6 years after cervical irradiation for malignant lymphoma] Voisin M, et al. **Can Med Assoc J** 113(7):648–52, 4 Oct 75 **(Fre)**

[Radiation-induced lesions of the hip] Duparc J, et al. **Chirurgie** 100(12):837–53, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**

[Treatment of osteoradionecrosis] Coudry H. **J Fr Otorhinolaryngol** 25(2):123–04, Feb 76 **(Fre)**

[Clinical aspects of osteoradionecrosis] Durrelman E. **J Fr Otorhinolaryngol** 25(2):120–3, Feb 76 **(Fre)**

[The temporo-frontal flap. Its value in post-irradiation buccal-pharyngeal surgery] Junien-Lavillauroy C, et al. **J Fr Otorhinolaryngol** 24(10):763–8, Dec 75 **(Fre)**

[Etiologic factors of osteoradionecrosis of the lower jaw] Schraub S. **J Fr Otorhinolaryngol** 25(2):119–20, Feb 76 **(Fre)**

[Radiolesions after radiotherapy of breast cancer] Abbatucci JS. **J Radiol Electrol Med Nucl** 56(11):798–804, Nov 75 (Eng. Abstr.) **(Fre)**

[Late progressive radiation myelopathies. A study of 27 cases] Combes PF, et al. **J Radiol Electrol Med Nucl** 56(11):815–25, Nov 75 (Eng. Abstr.) **(Fre)**

[Post-radiation nephritis. Study of the renal consequences of splenic irradiation for lymphoma] Le Bourgeois JP, et al. **J Radiol Electrol Med Nucl** 56(11):826–9, Nov 75 **(Fre)**

[Operation for stenosis of the internal carotid artery secondary to irradiation (a propos of 1 observation)] Redondo A, et al. **Neurochirurgie** 21(3):239–45, May–June 75 (Eng. Abstr.) **(Fre)**

[Letter: Cancer of the larynx. Radiotherapy—chronic myeloid leukemia] Caquet R, et al. **Nouv Presse Med** 4(20):1510, 17 May 75 **(Fre)**

[Letter: Radioactive lymphography in the study of post-surgical or post-radiotherapy lymphedema] Rain JD, et al. **Nouv Presse Med** 5(2):96, 10 Jan 76 **(Fre)**

[Letter: Melanoderma after radiotherapy of cerebral tumors] Texier L, et al. **Nouv Presse Med** 5(4):210–1, 24 Jan 76 **(Fre)**

[Therapeutic hypothyroidism] Dry J, et al. **Sem Hop Ther** 51(2):113–5, Feb 75 **(Fre)**

[Late effects of tumour treatment. Structural changes in the spinal column seen on X-rays] Gutjahr P, et al. **Dtsch Med Wochenschr** 101(26):988–92, 25 Jun 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Prevention and therapy of irradiation sequelae] Schmähl D. **Geburtshilfe Frauenheilkd** 36(3):207–9, Mar 76 **(Ger)**

[Secondary radiogenic cancer of the larynx (author's transl)] Glanz H, et al. **HNO** 24(2):48–59, Feb 76 (Eng. Abstr.) **(Ger)**

[Radiogenic disorder in sense of smell (author's transl)] Schaupp H, et al. **Laryngol Rhinol Otol (Stuttg)** 54(4):340–3, Apr 75 (Eng. Abstr.) **(Ger)**

[Cancer as a risk of exposure to medicinal radiation (author's transl)] Oeser H. **Munch Med Wochenschr** 117(31):1257–64, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Radiation myelopathy] Gänshirt H. **Nervenarzt** 46(10):562–8, Oct 75 **(Ger)**

[Contribution to the problem of radiation risk in medical radiology (author's transl)] Herlbauer R. **Radiobiol Radiother (Berl)** 16(3):293–310, 1975 (Eng. Abstr.) **(Ger)**

[Dependence of intestinal radiation responses on temporal and spatial dose distribution in radiation therapy of abdominal tumors (author's transl)] Neumeister K, et al. **Radiobiol Radiother (Berl)** 16(3):291–8, 1975 (Eng. Abstr.) **(Ger)**

[Exhalation diagnosis with C14 tagged compounds, methods and results] Lütolf UM, et al. **Schweiz Med Wochenschr** 105(23):729–36, 7 Jun 75 (Eng. Abstr.) **(Ger)**

[Radiogenic nephritis in relation to splenectomy and irradiation of the spleen bed] Mohr B, et al. **Strahlentherapie** 151(5):417–22, May 76 (Eng. Abstr.) **(Ger)**

[Late complications of the intestine after radiotherapy of bladder carcinoma] Sulmoni A, et al. **Urologe [A]** 15(2):91–2, Mar 76 (Eng. Abstr.) **(Ger)**

[Radiation fibroses] Nolte D. **Verh Dtsch Ges Inn Med** 81:394–404, 1975 **(Ger)**

[Pleuroparenchymal and cardiomediastinal reactions in the radiotherapy of malignant lymphomas. (author's transl)] Severini A, et al. **Tumori** 61(1):63–77, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Complex treatment of postirradiation injuries of the urinary tract] Retzke U, et al. **Ginekol Pol** 47(3):327–37, Mar 76 (41 ref.) (Eng. Abstr.) **(Pol)**

[Ionizing radiation used in medicine as a pathogenic factor] Majle T. **Pol Tyg Lek** 30(35):1445–7, 1 Sep 75 **(Pol)**

[Case of colonic obstruction following radiotherapy for cervical cancer] Kabza R, et al. **Wiad Lek** 28(16):1423–7, 15 Aug 75 (Eng. Abstr.) **(Pol)**

[Changes in the blood vessels in radiation therapy of bone tumors according to angiography data] Mannanov IS, et al. **Med Radiol (Mosk)** 21(3):45–9, Mar 76 (Eng. Abstr.) **(Rus)**

[Complications and reactions in combined and radiation methods of therapy of patients with cancer of the larynx] Morozov AI. **Med Radiol (Mosk)** 21(2):28–36, Feb 76 (Eng. Abstr.) **(Rus)**

[Absorption of vitamin B12 and d-xylose in radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**

[State of the heart in the radiation therapy of intrathoracic tumors according to radiographic and polycardiographic study data] Tikhonov KB, et al. **Med Radiol (Mosk)** 21(3):58–63, Mar 76 (Eng. Abstr.) **(Rus)**

[The effect of radiation therapy on the course of the tumor process in patients with laryngeal cancer] Kochetkova VA, et al. **Vopr Onkol** 21(6):44–8, 1975 (Eng. Abstr.) **(Rus)**

[Past history of neck irradiation in thyroid neoplasms. Study of a series of 122 cases] Viladiu P, et al. **Rev Clin Esp** 140(2):129–32, 31 Jan 76 (Eng. Abstr.) **(Spa)**

HISTORY

An account of the radium collar and the Finzi Harmer implant. Stewart JG. **Can J Otolaryngol** 4(5):942–6, 1975

An historical survey of radiobiology and radiotherapy with fast neutrons. Field SB. **Curr Top Radiat Res** 11(1):1–86, Jan 76 (222 ref.)

The development of dosimetry in radium therapy. pp. 1–6. Quimby EH.
In: Hilaris BS, ed. Afterloading: 20 years of experience,

1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

[The development of gynaecological radiotherapy at the 1st department of obstetrics and gynaecology University of Vienna (a review of the past 25 years) (author's transl)] Weghaupt K. **Wien Klin Wochenschr** 87(14):436–44, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Use of roentgen therapy according to the official announcement of the discovery of x-rays (Jan 6, 1896) through the year 1899] Mannelli MA. **Minerva Med** 66(78):4102–5, 17 Nov 75 **(Ita)**

INSTRUMENTATION

Central axis depth dose for a 2.5 MV Van de Graaff generator. Anderson DW, et al. **Am J Roentgenol** 126(6):1260–5, Jun 76

Letter: A standard system of co-ordinates for radiotheraphy apparatus. Bomford CK. **Br J Radiol** 49(582):562, Jun 76

An after loading colpostat (using standard source tubes). Fayos JV, et al. **Br J Radiol** 49(584):716–8, Aug 76

A proposed method for making reduced wax compensators for use with high-energy radiation beams. Watkins DM. **Br J Radiol** 48(573):760–2, Sep 75

A preloaded radium needle implant device for maintenance of needle spacing. Ellingwood KE, et al. **Cancer** 37(6):2858–60, Jun 76

Panel Session: 'Accelerators for hospitals'. **Experientia** Suppl 24:403–7, 1975

Fast-neutron radiobiology and radiotherapy. Barendsen GW, et al. **Experientia** Suppl 24:427–30, 1975

150 MeV proton medical cyclotron design study. Burleigh RJ, et al. **Experientia** Suppl 24:135–8, 1975

The potential and applications of cyclotrons in biomedical fields. Chaudhri MA. **Experientia** Suppl 24:447–56, 1975

Installation of a compact, variable-energy cyclotron in a hospital and preliminary results obtained. Crouzel C, et al. **Experientia** Suppl 24:440–3, 1975

Meson radiobiology and therapy. Kligerman MM. **Experientia** Suppl 24:419–26, 1975

Proton and heavy ion therapy. Larsson B. **Experientia** Suppl 24:414–8, 1975

Applications of the compact cyclotron of the German Cancer Research center in nuclear medicine, neutron therapy and radiation biophysics. Wolber G, et al. **Experientia** Suppl 24:444–6, 1975

Clinical application of high activity source afterloading in the United Kingdom. pp. 209–12. Joslin CA.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Clinical experience with remotely controlled afterloading of high intensity intracavitary sources in Japan. pp. 213–9. Yamashita H, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

A technical note on precision implantation for interstitial oral radiation. Nickel AA, et al. **Int J Oral Surg** 4(6):284–7, Dec 75

Code of practice for x-ray therapy linear accelerators. **Med Phys** 2(3):110–21, May-Jun 75

Reduced output of orthovoltage radiotherapy units. Bomford CK. **Med Phys** 3(2):120–1, Mar-Apr 76

Method for gantry angle repositioning on rotational teletherapy equipment. Connor WG, et al. **Med Phys** 2(5):278–9, Sep-Oct 75

Design of flattening filters for the fast-neutron beam at TAMVEC by use of decrement lines. Otte VA, et al. **Med Phys** 3(4):250–2, Jul-Aug 76

Letter: 60Cobalt therapy machine malfunctions. Velkley DE. **Med Phys** 2(3):125–6, May-Jun 75

The remote after-loading system for radioactive sources A.L.D.O. Baracchi F, et al. **Panminerva Med** 18(1–2):75–79, Jan-Feb 76

Localization of implanted radioactive wires and computation of the dose distribution. Gantchew MG, et al. **Phys Med Biol** 21(2):209–15,

A multi-purpose contour projector for use in radiotherapy treatment planning. Watkins DM. **Radiography** 41(492):269–73, Dec 75

The routine use of graphic data handlers in a radiotherapy department. Ekstrand KE, et al. **Radiology** 118(2):464–5, Feb 76

Prevention of leakage of low-melting-point metals from styrofoam molds. Herman MW, et al. **Radiology** 117(1):223, Oct 75

A molded acrylic applicator guiding the peroral X-ray beam. Pantoja E, et al. **Radiology** 118(2):471–2, Feb 76

Gonadal shield. Purdy JA, et al. **Radiology** 117(1):226, Oct 75

Problems of posterior fields. Rafla S, et al. **Radiology** 117(1):224, Oct 75

A special treatment couch for irradiation of a large body volume. Roswit B, et al. **Radiology** 118(3):729–30, Mar 76

A copper partial-transmission block for use in whole-abdominal radiation therapy for ovarian carcinoma. Tesler A, et al. **Radiology** 117(3 Pt 1):737–8, Dec 75

An afterloading applicator for intracavitary vaginal irradiation. Wang CC. **Radiology** 117(1):225, Oct 75

[Structure and properties of Röntgen generators] pp. 71–87. Zier W, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. **(Ger)**

[Use of the Simulix stimulator in localization and centering for radiotherapy] Peracchia G.
Ateneo Parmense [Acta Biomed] 45(1–2):83–4, Jan–APR 74 **(Ita)**

[Irregular field shaping in radiation therapy-experience of the use of 'Sheller Shield'] Ishikawa D, et al.
Jpn J Clin Radiol 20(13):1189–94, Dec 75 **(Jpn)**

[Change of the coefficient of dosage irregularity in fractionated gamma therapy with the use of grid diaphragms] Aliev BM, et al. **Med Radiol (Mosk)** 21(1):68–71, Jan 76 **(Rus)**

[Universal pass-through ionization chamber-filter for therapeutic x-ray apparatus] Kozlov GA.
Med Radiol (Mosk) 20(11):72–5, Nov 75 **(Rus)**

[Size and coordinates of the maximal dose in irradiation with a wedge filter] Pasynkova IE, et al. **Med Radiol (Mosk)** 21(2):67–9, Feb 76 **(Rus)**

[Use of needles with increased surface activity of Co60 on their ends according to afterloading principle] Zamiatin OA, et al. **Med Radiol (Mosk)** 20(11):21–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Requirements for modern apparatus for x-ray diagnosis, radioisotope diagnosis and radiation therapy] Ankudinov VA, et al. **Med Tekh** (4):27–31, Jul-Aug 75 **(Rus)**

[Removable chair attached to the table for radiation therapy] Mil'shtein RS, et al. **Med Tekh** (2):54–5, Mar-Apr 75 **(Rus)**

METHODS

Half-body radiotherapy of advanced cancer. Ftzpatrick PJ, et al. **Am J Surg** 132(03):75–9, Sep 76

[Neutron therapy in the G.D.R.III. Estimation of dose distribution in phantome (author's transl)] Matschke S, et al. **Arch Geschwulstforsch** 45(8):737–45, 1975

An isocentric system of patient set-up without the use of an elevating couch. Klemp PF. **Australas Radiol** 19(2):127–8, Jun 75

Proceedings: Ultrasound scanning in a radiotherapy department. Badcock PC. **Br J Radiol** 49(584):732, Aug 76

The angulation of radiotherapy machines in the treatment of inclined lesions. Casebow MP. **Br J Radiol** 49(579):278–80, Mar 76

Proceedings: Simple after-loading techniques 2. The Newcastle technique. Clayton CB, et al. **Br J Radiol** 48(575):947, Nov 75

Letter: Specification of gamma-ray brachytherapy sources. Dutreix A, et al. **Br J Radiol** 48(576):1034–5, Dec 75

Proceedings: Simple after loading techniques. 1. The Cambridge technique. Haybittle JH, et al. **Br J Radiol** 48(575):947, Nov 75

The principles of hyperbaric and anoxic radiotherapy. Holt JA. **Br J Radiol** 48(574):819–26, Oct 75

Proceedings: The advantages of low dose-rate. Liversage WE. **Br J Radiol** 48(575):948, Nov 75

Proceedings: Simple after-loading techniques 3. The U.C.H. technique. Mulvey PJ, et al. **Br J Radiol** 48(575):947, Nov 75

The use of rotation therapy with moving absorbers. Rawlinson JA. **Can J Otolaryngol** 4(5):947–51, 1975

Fractionated total-body irradiation. **Cancer** 37(4 Suppl):2120–2, Apr 76

The value of frequent treatment verification films in reducing localization error in the irradiation of complex fields. Marks JE, et al. **Cancer** 37(6):2755–61, Jun 76

Radiation therapy of keloids. Amar Inalsingh CH. **Compr Ther** 1(2):56–9, Jun, 75

The use of rotation therapy with moving absorbers. pp. 909–13. Rawlinson JA.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Remote afterloading with conventional sources. pp. 195–9. Chassagne D, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Past and prospect of afterloading in curietherapy. pp. 7–23. Henschke UK, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Radiobiological considerations of remote afterloading with high intensity sources. pp. 205–7. Kim JH, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Afterloading with miniaturized sources. pp. 201–4. Simon N, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Manual versus remote afterloading intracavitary techniques. pp. 189–94. Walstam R.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

The principles of radiotherapy in malignant disease. pp. 81–8. Kaplan HS.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

Autorhythmometry in relation to radiotherapy: case report as tentative feasibility check. pp. 265–72. Charyulu K, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Dermatologic radiotherapy: selection of radiation qualities and treatment techniques. Goldschmidt H.
Int J Dermatol 15(3):171–81, Apr 76 (20 ref.)

Applications of echography in radiotherapy. van Daal WA, et al. **J Belge Radiol** 59:157–64, Mar-Apr 76

Half-body radiotherapy of advanced cancer. Fitzpatrick PF, et al. **J Can Assoc Radiol** 27(2):75–9, Jun 76

Increase in radiation tolerance of the small intestine by arterial clamping. Henschke UK, et al.
J Natl Med Assoc 68(1):67–70, Jan 76

Radiotherapy and CCNU in the treatment of high-grade supratentorial astrocytomas. Weir B, et al. **J Neurosurg** 45(2):129–34, Aug 76

Techniques and dosimetry for inflatable miniaturized afterloading in cancer of the cervix. Simon N, et al.
Mt Sinai J Med NY 42(6):565–74, Nov-Dec 75

Enhancement of ionizing radiation effects by local heating of tumor with micro-wave radiation. Yerushalmi A.
Panminerva Med 18(3–4):99–102, Mar-Apr 76

Developing quality assurance programs in radiation therapy for technologists. Boothe KA, et al. **Radiol Technol** 47(6):371–81, May-Jun 76

Rethinking the necessity of treating all fields at each radiotherapy session. Gitterman M, et al. **Radiology** 117(2):419–24, Nov 75

Immobilization error: some theoretical considerations. Goitein M, et al. **Radiology** 117(2):407–12, Nov 75

Shaping of isodose curves in intracavitary irradiation using the afterloading method. A feasibility study involving mathematical simulation. Jayaraman S. **Radiology** 120(2):435–7, Aug 76

Shaping of isodose curves in intracavitary irradiation using the afterloading method. A feasibility study involving mathematical simulation. Jayaraman S. **Radiology** 120(2):435–7, Aug 76

The use of wedge filters to improve dose distribution with the partial rotation technique. Larsen RD, et al.
Radiology 117(2):441–5, Nov 75

Extended field radiotherapy in non-Hodgkin's lymphoma. Levitt SH, et al. **Radiology** 118(2):457–9, Feb 76

Evaluation of B-mode ultrasound as a means of improving radium dosimetry in the treatment of gynecologic cancer. Mayer EG, et al. **Radiology** 117(1):141–7, Oct 75

The Amster grid test in radiotherapy. Smith JL.
Radiology 118(2):468–9, Feb 76

[Physical and technical aspects of the use of large fields of complex shapes. Localization of the fields using a mercury device] Piret P. **J Belge Radiol** 59:151–6, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Methods of exclusive irradiation of cancers of the breast. Société de Radiologie, 18 March 1974]
J Radiol Electrol Med Nucl 56(5):443–9, May 75 (Eng. Abstr.) **(Fre)**

[Gynecological curietherapy by a single source of Co-60 in intermittent sessions] Swyngedauw J. **Nouv Presse Med** 4(36):2595–6, 25 Oct 75 **(Fre)**

[V. Comparative impulse cytophotometric investigations for redistribution of lymphoma cells in vivo after treatment with 60Co-gamma-rays and fast neutrons (author's transl)] Ehm I, et al. **Arch Geschwulstforsch** 45(8):753–66, 1975 **(Ger)**

Neutron therapy in the G.D.R. VI. comparison between neutron therapy and telecobalt-therapy of cancer of bronchus, oesophagus and stomach (author's transl)] Eichhorn HJ, et al. **Arch Geschwulstforsch** 45(8):767–72, 1975 (Eng. Abstr.) **(Ger)**

[IV. Studies on cell biological experiments to the relative biological effectiveness (RBE) of fast neutrons in different phantom depths (author's transl)] Magdon E.
Arch Geschwulstforsch 45(8):746–52, 1975 (Eng. Abstr.) **(Ger)**

[Neutron therapy in the G.D.R. Fundamentals of fast neutron application in radiation treatment (author's transl)] Matschke S, et al. **Arch Geschwulstforsch** 45(8):727–32, 1975 (Eng. Abstr.) **(Ger)**

[Neutron therapy in the G.D.R. II. Dose distribution near the surface (author's transl)] Welker K, et al.
Arch Geschwulstforsch 45(8):733–6, 1975 (Eng. Abstr.) **(Ger)**

[Generation of ionizing radiation for therapeutic use] pp. 221–32. Hegewald H.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. **(Ger)**

[Physical criteria for choice of suitable radiation quality and radiation technics] pp. 232–51. Hegewald H.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. **(Ger)**

[Problems of radiation projection] pp. 251–66. Welker K.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. **(Ger)**

[The concept of target volume of radiotherapy (authors transl)] Gauwerky F. **Radiologe** 15(6):217–23, Jun 75 (Eng. Abstr.) **(Ger)**

[Improvement of gynecologic radium therapy through the afterloading method using cesium 137] Fournier DV, et al. **Strahlentherapie** 151(3):195–207, Mar 76 (Eng. Abstr.)

(Ger)
[Skip technique as a variant of moving field irradiation] Schindler G, et al. **Strahlentherapie** 152(2):164–71, Aug 76 (Eng. Abstr.) (Ger)
[A way to spatial irradiation planning. II. Vectorial demonstration of spatial dose distribution within a single-ray beam and 1st consequences for the practice] Sonntag A. **Strahlentherapie** 150(6):569–78, Dec 75 (Eng. Abstr.) (Ger)
[A way to spatial irradiation planning. III. Further information on the procedure for obtaining dose homogeneity in noncoplanar ray beams and its experimental verification] Sonntag A. **Strahlentherapie** 151(1):10–25, Jan 76 (Eng. Abstr.) (Ger)
[A way to spatial irradiation planning. IV. Examples of radiotherapeutic practice and conclusions] Sonntag A. **Strahlentherapie** 151(1):26–46, Jan 76 (Eng. Abstr.) (Ger)
[Radiobiological considerations in the selection of the dose rate of intracavitary radiotherapy] Trott KR. **Strahlentherapie** 150(3):261–5, Sep 75 (Eng. Abstr.) (Ger)
[Trials of new forms of radiotherapy for advanced lung cancer—irradiation under 95% O2+5% CO2 inhalation, uneven fractionation irradiation and intraoperative irradiation—(author's transl)] Abe M, et al. **J Jpn Soc Cancer Ther** 11(1):23–35, 20 Mar 76 (Eng. Abstr.) (Jpn)
[An analysis on the complications of the external radiotherapy of carcinoma of the uterine cervix. Comparison of irradiation techniques (author's transl)] Tanaka Y. **Nippon Acta Radiol** 35(7):527–35, 25 Jul 75 (Eng. Abstr.) (Jpn)
[Mathematical model for planning statistical methods of radiation therapy] Adamenko GM, et al. **Med Radiol (Mosk)** 20(9):28–31, Sep 75 (Rus)
[Planning of short-range x-ray therapy] Bentsianova VM, et al. **Med Radiol (Mosk)** 20(9):18–22, Sep 75 (Eng. Abstr.) (Rus)
[X-ray therapy of nontumorous diseases using low radiation doses] Fanardzhian VA, et al. **Med Radiol (Mosk)** 20(9):12–7, Sep 75 (Rus)
[Determination of the optimal physical conditions of irradiation by the dynamic programming method] Klepper LIa, et al. **Med Radiol (Mosk)** 21(2):54–60, Feb 76 (Eng. Abstr.) (Rus)
[Remote control of anesthesia in radiation therapy] Levité EM, et al. **Med Radiol (Mosk)** 21(2):69–70, Feb 76 (Rus)
[Therapeutic effectiveness of the autotransplantation of preserved bone marrow in radiation therapy] Kholodnyi ALa, et al. **Voen Med Zh** (12):41–3, Dec 75 (Rus)
[Clinical assessment of 2 methods of radiotherapy of breast cancer] Datsenko VS. **Vopr Onkol** 21(10):15–8, 1975 (Eng. Abstr.) (Rus)
[Universal approaches to the control of tissue radiosensitivity during radiation therapy of malignant tumors] Iarmonenko SP. **Vopr Onkol** 21(5):63–73, 1975 (Eng. Abstr.) (Rus)

STANDARDS

[Results of therapy of lip neoplasms from a radiotherapeutic point of view] Kob D, et al. **Zahn Mund Kieferheilkd** 63(5):473–7, 1975 (Eng. Abstr.) (Ger)

VETERINARY

The role of radiotherapy in veterinary practice. Owen LN. **Vet Rec** 97(18):349–50, 1 Nov 75

RADIOTHERAPY DOSAGE

Variation of percentage depth dose with beam area of 43 MV roentgen ray beam from a betatron. Bhatnagar JP, et al. **Acta Radiol [Ther] (Stockh)** 14(4):337–46, Aug 75
Cell kinetic approach to optimising dose distribution in radiation therapy. Graffman S, et al. **Acta Radiol [Ther] (Stockh)** 14(1):54–62, Feb 75
CaSO4 (Dy) thermoluminescent dosimeters for the determination of gonadal doses. Hasman A, et al. **Acta Radiol [Ther] (Stockh)** 14(4):369–75, Aug 75
Computer dosimetry based on pelvic simulation. Hoskins B, et al. **Acta Radiol [Ther] (Stockh)** 14(4):362–8, Aug 75
Automated thermoluminescence reader. II. Experiments and theory. Lindskoug B. **Acta Radiol [Ther] (Stockh)** 14(4):347–61, Aug 75
Tissue heterogeneity in the anterior chest wall and its influence on radiation therapy of the internal mammary lymph nodes. Lindskoug B, et al. **Acta Radiol [Ther] (Stockh)** 15(2):97–116, Apr 76
Skin reaction as a biologic parameter for control of different dose schedules and gap correction. Turesson I, et al. **Acta Radiol [Ther] (Stockh)** 15(2):162–76, Apr 76
Initial evaluation of reduced fractionation in the irradiation of malignant epithelial tumors. Greenberg M, et al. **Am J Roentgenol** 126(2):268–78, Feb 76
Patterns of failure in intracranial astrocytomas after irradiation: analysis of dose and field factors. Salazar OM, et al. **Am J Roentgenol** 126(2):279–92, Feb 76
Half-body radiotherapy of advanced cancer. Fitzpatrick PJ, et al. **Am J Surg** 132(03):75–9, Sep 76
Diagnosis of radiosensitive hypothalamic tumors with craniotomy: endocrine and neuroradiologic studies of intracranial atypical teratomas. Spiegel AM, et al. **Ann Intern Med** 85(3):290–3, Sep 76
Verrucous carcinoma of the larynx management by radiotherapy and surgery. Burns HP, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):538–43, Jul–Aug 76
Isoexposure curves for 60Co ophthalmic applicators. Beddoe AH. **Australas Radiol** 19(2):145–51, Jun 75
Responses of an experimental solid tumour to irradiation: A comparison of modes of fractionation. Schenken LL, et al. **Br J Cancer** 31(2):228–36, Feb 75
Letter: Dangers of the clinical use of the NSD formula for small fraction numbers. Bates TD, et al. **Br J Radiol** 48(573):773, Sep 75
Calculation by computer of dose distributions for superficial gold-198 implants and the derivation of optimized distribution rules. Dale RG. **Br J Radiol** 49(582):533–9, Jun 76
Letter: Formulae for calculation of 50 per cent depth dose and linear absorption coefficient in water of cobalt-60 gamma rays. di Pietrantonj F. **Br J Radiol** 49(584):736–8, Aug 76
Bowel gas—a cause of elevated dose in radiotherapy. Dische S, et al. **Br J Radiol** 49(578):148–50, Feb 76
Clinical radiobiology of low dose-rate radiotherapy. Dutreix J, et al. **Br J Radiol** 48(574):846–50, Oct 75
Proceedings: Clinical radiobiology of low dose-rate irradiation. Dutriex J. **Br J Radiol** 48(575):948, Nov 75
Letter: Acceptable radiation treatment schedules to the kidney. Ellis F. **Br J Radiol** 49(582):564–5, Jun 76
Letter: NSD and experimental work with pigs. Ellis F. **Br J Radiol** 49(582):565, Jun 76
Letter: Dose error due to a mercury shutter. Goulet P, et al. **Br J Radiol** 48(570):501–2, Jun 75
Proceedings: Low dose-rate: the poor man's neutrons. Hall EJ. **Br J Radiol** 48(575):948, Nov 75
Letter: Comparative effectivness of radiotherapy treatment schemes. Huggett JP. **Br J Radiol** 49(578):198–9, Feb 76
An interactive data preparation procedure for three-dimensional interstitial and intracavitary dose calculation programs. Jameson DG. **Br J Radiol** 48(574):827–31, Oct 75
Empirical equations for the representation of depth dose data for computerized treatment planning. Kornelsen RO, et al. **Br J Radiol** 48(573):739–48, Sep 75
Analysis of dose, dose-rate and treatment time in the production of injuries by radium treatment for cancer of the uterine cervix. Lee KH, et al. **Br J Radiol** 49(581):430–44, May 76
Proceedings: The advantages of low dose-rate. Liversage WE. **Br J Radiol** 48(575):948, Nov 75
Letter: The 2,500 ret envelope. Lowry WS. **Br J Radiol** 49(582):572, Jun 76
On-line beam data acquisition for a dedicated radiotherapy planning computer. Milan J, et al. **Br J Radiol** 49(578):172–5, Feb 76
Letter: Dosimetry of the fast neutron beam produced by the MRC cyclotron. Parnell CJ, et al. **Br J Radiol** 49(579):298, Mar 76
A table for the comparison of commonly-used fractionation schemes in radiotherapy. Revers CE, et al. **Br J Radiol** 48(576):1023–4, Dec 75
Proceedings: Relative biological efficiency—a simple method for comparing dose régimes. Smith CW. **Br J Radiol** 48(575):949, Nov 75
Letter: Use of CRE instead of TDF. Supe SJ, et al. **Br J Radiol** 49(580):384–6, Apr 76
A widely applicable method for computing dose distributions from external megavoltage beams. Thomas RL, et al. **Br J Radiol** 48(573):749–54, Sep 75
Pseudo optimization of radiotherapy treatment planning. Van der Laarse R, et al. **Br J Radiol** 49(581):450–7, May 76
Letter: Optimal radiotherapy of radioresistant tumours. Wheldon TE, et al. **Br J Radiol** 48(574):870–1, Oct 75
Mathematical derivation of optimal treatment schedules for the radiotherapy of human tumours. Fractionated irradiation of exponentially growing tumours. Wheldon TE, et al. **Br J Radiol** 49(581):441–9, May 76
Experience in implementing the Mark III Rad 8 system for radiotherapy dose computations. Wilkinson JM, et al. **Br J Radiol** 48(573):732–8, Sep 75
Proceedings: The effects of varied numbers of dose fractions and overall treatment time on the radiation response of normal human skin. Young CM, et al. **Br J Radiol** 49(582):558, Jun 76
The use of rotation therapy with moving absorbers. Rawlinson JA. **Can J Otolaryngol** 4(5):947–51, 1975
Tumor dose-time-volume. **Cancer** 37(4 Suppl):2056–61, Apr 76
Effective bone palliation as related to various treatment regimens. Allen KL, et al. **Cancer** 37(2):984–7, Feb 76
A prospective clinical trial of post-operative radiotherapy delivered in three fractions per week versus two fractions per week in breast carcinoma. Bates TD. **Clin Radiol** 26(3):297–304, Jul 75
The effects of varied numbers of dose fractions on the tolerance of normal human skin. Brennan D, et al. **Clin Radiol** 27(1):27–32, Jan 76
High-dose effects in the treatment of carcinoma of the bladder under air and hyperbaric oxygen conditions. Kirk J, et al. **Clin Radiol** 27(2):137–44, Apr 76
Lethal and sublethal cellular injury in multifraction irradiation. Withers HR. **Eur J Cancer** 11(8):581–3, Aug 75
Cellular survival and isoeffect formulae: a study in applied radiobiology. Widerøe R. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):475–81, Nov 75
Calcium sulphate phosphor for clinical neutron dosimetry. Blum E, et al. **Health Phys** 30(3):257–61, Mar 76
Cumulative radiation effect: some qualitative predictions. pp. 320–7. Kirk J.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Total nodal irradiation: dose distribution with radiation beams from linear accelerators. pp. 217–23. Jetne V.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.
Total nodal irradiation: dose distribution with gamma rays from cobalt-60. pp. 213–6. Landberg T, et al.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.
Dosimetric considerations for iodine-125. pp. 63–72. Anderson LL, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Dosimetry of californium-252. pp. 149–58. Anderson LL, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Clinical specification of dose in interstitial radiotherapy. pp. 99–103. Castro JR.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
NSD and TSD in 4pi therapy (a compass point for setting a course of radiotherapy). pp. 41–52. Ellis F.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Time-dose relationships in brachytherapy. pp. 35–40. Hall EJ.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Radiobiological considerations of remote afterloading with high intensity sources. pp. 205–7. Kim JH, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Aspects and problems of implant dosimetry. pp. 25–30. Laughlin JS, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Low dose rate factor in interstitial radiation. pp. 31–3. Pierquin B, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Use of computers for the calculation of dose from iridium-192 implants. pp. 89–97. Shalek RJ, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.
Dosimetry considerations of electron beams. pp. 129–68. Almond PR.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.
Current techniques in the use of nonstandard fractionation. pp. 115–28. Dutreix J.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975. (42 ref.)
Electron-beam dose distribution in inhomogeneous media. pp. 243–54. Pohlit W, et al.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.
Build-up studies with three different types of cobalt-60 teletherapy units. Lakshmanan AV, et al. **Indian J Cancer** 12(3):319–26, Sep 75
Pelvic lymph node dosages in intracavitary radiation treatment of carcinoma cervix. Trehon OP, et al. **Indian J Med Res** 63(6):858–65, Jun 75
Half-body radiotherapy of advanced cancer. Fitzpatrick PF, et al. **J Can Assoc Radiol** 27(2):75–9, Jun 76
Dose distribution of therapeutic electron beams and automation of treatment planning. Osman G. **J Med** 7(2):143–67, 1976
Assay of 32P-sodium phosphate using a commercial dose calibrator. Zimmer AM, et al. **J Nucl Med** 17(5):404–5, May 76
Communications: Radiotherapy dosages. **Med Phys** 2(2):85–92, Mar–Apr 75
Spacing nomograph for interstitial implants of 125I seeds. Anderson LL. **Med Phys** 3(1):48–51, Bagne F. **Med Phys** 3(1):31–8, Jan–Feb 76
Specification of electron beam quality from the central-axis depth absorbed-dose distribution. Brahme A, et al. **Med Phys** 3(2):95–102, Mar–Apr 76
Variation in output with a fixed dose setting on a 4-MV linear accelerator. Gillin M, et al. **Med Phys** 3(2):107–8, Mar–Apr 76
Computer dosimetry for flattened and wedged fast-neutron

beams. Hogstrom KR, et al. **Med Phys** 3(1):26–30, Jan–Feb 76

Accuracy in patient setup and its consequence in dosimetry. Kartha PK, et al. **Med Phys** 2(6):331–2, Nov–Dec 75

Dose measurements in the build-up region for cobalt-60 therapy units. Leung PM, et al. **Med Phys** 3(3):169–72, May–Jun 76

Portable tissue equivalent calorimeter. McDonald JC, et al. **Med Phys** 3(2):80–6, Mar–Apr 76

Method for calculating dose when lung tissue lies in the treatment field. McDonald SC, et al. **Med Phys** 3(4):210–6, Jul–Aug 76

Distortion of fast-neutron dose distribution by bone. McGinley PH, et al. **Med Phys** 3(3):181–3, May–Jun 76

Dosimetry of 137Cs sources with the Fletcher–Suit gynecological applicator. Saylor WL, et al. **Med Phys** 3(2):117–9, Mar–Apr 76

Computer generation of high-energy x-ray dose distributions. Schulz RJ, et al. **Med Phys** 3(1):12–8, Jan–Feb 76

Calculated neutron dose rates and flux densities from implantable californium-252 point and line sources. Shapiro A, et al. **Med Phys** 3(4):241–7, Jul–Aug 76

Displacement correction factor for fast-neutron dosimetry in a tissue-equivalent phantom. Shapiro P, et al. **Med Phys** 3(2):87–90, Mar–Apr 76

Fast-neutron dose rate vs energy for the d+Be reaction--a reanalysis. Smathers JB, et al. **Med Phys** 3(1):45–7, Jan–Feb 76

Unequal weighting of given doses in opposed fields in treatment of cancer of the tonsillar region using 60Co, 4–, 8–, 15–, 24–MVp photons. Wollin M, et al. **Med Phys** 3(2):113–6, Mar–Apr 76

[A computer system for optimization of treatment planning in radiotherapy. The visual optimization by man–machine interaction (author's transl)] Kondo K, et al. **Nippon Acta Radiol** 35(5):328–41, 25 May 75

Letter: Depth absorbed dose distributions for electrons. Atherton L. **Phys Med Biol** 21(3):453–4, May 76

Beam profiles measured on neutron generator having an effective target area 5-5 X 5-5 cm2. Bloch PH, et al. **Phys Med Biol** 21(3):450–2, May 76

Rapid depth dose determination by a computer-controlled dosimetry system. Bottrill DO, et al. **Phys Med Biol** 20(6):980–9, Nov 75

Letter: Depth absorbed dose distributions for electrons. Brahme A, et al. **Phys Med Biol** 21(2):304–6, Mar 76

Percentage depth doses for high energy x-rays. Dawson DJ. **Phys Med Biol** 21(2) Mar 76

Localization of implanted radioactive wires and computation of the dose distribution. Gantchew MG, et al. **Phys Med Biol** 21(2):209–15,

A radiotherapy dose integrator for 300 kVp x-rays. Hardwick AD. **Phys Med Biol** 21(2) Mar 76

An automatic x-ray isodose plotter. Haskard DL. **Phys Med Biol** 20(4):645–9, Jul 75

Spectra and dosimetry related to neutron irradiations of the human body. Ing H, et al. **Phys Med Biol** 20(6):906–17, Nov 75

Californium-252 line sources: experimental verification of depth dose data using NTA films and dosage tables based on Paterson and Parker rules. Iyer PS, et al. **Phys Med Biol** 21(1):98–103, Jan 76

Calculation of electron dose distribution for radiotherapy treatment planning. Kawachi K. **Phys Med Biol** 20(4):571–7, Jul 75

Holographic measurements of electron-beam dose distributions around inhomogeneities in water. Miller A, et al. **Phys Med Biol** 21(2):285–8, Mar 76

An ionization chamber for therapy-level dosimetry of electron beams. Morris WT, et al. **Phys Med Biol** 20(3):718–27, Sep 75

The influence of air cavities on the dose distribution of high-energy electron beams. Nüsslin F. **Phys Med Biol** 20(3):728–34, Sep 75

Letter: Cobalt-60 axial percentage depth doses are consistent. Pfalzner PM. **Phys Med Biol** 20(4):661–3, Jul 75

A novel fast neutron dosemeter based on fission chambers. Part I: Principles of operation and theoretical response in neutron therapy radiation fields. Porter D, et al. **Phys Med Biol** 20(3):431–45, May 75

An improved apparatus for the measurement of oxygen concentration. Roberts JR, et al. **Phys Med Biol** 20(4):637–44, Jul 75

The use of precision thermoluminescence dosimetry for intercomparison of absorbed dose. Rossiter MJ. **Phys Med Biol** 20(3):735–46, Sep 75

Letter: Preparation of phantom lung material. Shonka JJ, et al. **Phys Med Biol** 21(1):150–3, Jan 76

A nomogram for the estimation of an average tissue--air ratio for rotation therapy planning. Thompson AM, et al. **Phys Med Biol** 21(1):147–9, Jan 76

The response of a transplantable tumor to fractionated irradiation. 1. X rays and the hypoxic cell radiosensitizer Ro-07-0582. Denekamp J, et al. **Radiat Res** 66(1):66–75, Apr 76

Comparison of mathematical models for radiation fractionation. Hethcote HW, et al. **Radiat Res** 67(3):387–407, Sep 76

Characteristics of a negative pion beam for the irradiation of superifical nodules in cancer patients. Richman C. **Radiat Res** 66(3):453–71, Jun 76

Proceedings: Whole-body irradiation in the treatment of acute myeloid leukaemia. Dosimetry. Mellink JH. **Radiol Clin (Basel)** 45(1):46–7, 1976

Radiation therapy planning with ultrasound. Brascho DJ. **Radiol Clin North Am** 13(3):505–21, Dec 75

Clinical use of thermoluminescent dosimeters in supervoltage x-ray therapy. Bagne F. **Radiology** 119(2):480–2, May 76

Cell population kinetics in radiation therapy: relationship of cellular surviving fraction to RBE and OER. Cohen L. **Radiology** 114(1):213–7, Jan 75

Time, dose and volume factors in interstitial Radium implants of carcinoma of the oral tongue. Fu KK, et al. **Radiology** 119(1):209–13, Apr 76

Rethinking the necessity of treating all fields at each radiotherapy session. Gitterman M, et al. **Radiology** 117(2):419–24, Nov 75

Shaping of isodose curves in intracavitary irradiation using the afterloading method. A feasibility study involving mathematical simulation. Jayaraman S. **Radiology** 120(2):435–7, Aug 76

Shaping of isodose curves in intracavitary irradiation using the afterloading method. A feasibility study involving mathematical simulation. Jayaraman S. **Radiology** 120(2):435–7, Aug 76

Some comments on gamma-ray implant dosimetry. Kim YS. **Radiology** 120(2):413–6, Aug 76

Some comments on gamma-ray implant dosimetry. Kim YS. **Radiology** 120(2):413–6, Aug 76

The use of wedge filters to improve dose distribution with the partial rotation technique. Larsen RD, et al. **Radiology** 117(2):441–5, Nov 75

Clinical and dosimetric considerations in the radiation treatment of breast cancer. Mansfield CM, et al. **Radiology** 120(3):725–6, Sep 76

Approaches to optimization of dose in radiation therapy of cervix carcinoma. Maruyama Y, et al. **Radiology** 120(2):389–98, Aug 76

Approaches to optimization of dose in radiation therapy of cervix carcinoma. Maruyama Y, et al. **Radiology** 120(2):389–98, Aug 76

Evaluation of B-mode ultrasound as a means of improving radium dosimetry in the treatment of gynecologic cancer. Mayer EG, et al. **Radiology** 117(1):141–7, Oct 75

Control of dose administered once a week and three times a day according to schedules calculated by the CRE formula, using skin reaction as a biological parameter. Turesson I, et al. **Radiology** 120(2):399–404, Aug 76

Control of dose administered once a week and three times a day according to schedules calculated by the CRE formula, using skin reaction as a biological parameter. Turesson I, et al. **Radiology** 120(2):399–404, Aug 76

Cell cycle redistribution as a factor in multifraction irradiation. Withers HR. **Radiology** 114(1):199–202, Jan 75

The role of megavoltage radiation therapy in the treatment of prostatic carcinoma. Pistenma DA, et al. **Semin Oncol** 3(2):115–22, Jun 76

Dose contribution to regional lymph nodes from gynecological remote afterloading cobalt-60 sources. Fodor J, et al. **Strahlentherapie** 151(5):443–8, May 76 (Eng. Abstr.)

[Cumulative biological effect in fractionated irradiation (author's transl)] Lokajíček M, et al. **Cesk Radiol** 29(6):393–400, Nov 75 (Eng. Abstr.) **(Cze)**

[Foreseeable dosimetry in the interstitial therapy using Iridium 192 wires ('Paris system'). Applications in a single plane] Wambersie A, et al. **J Belge Radiol** 55(2):197–206, Mar–Apr 72 (Eng. Abstr.) **(Fre)**

[Dose of tissue tolerance, dose of tumour sterilisation in continuous and discontinuous irradiation (author's transl)] Swyngedauw J. **J Radiol Electrol Med Nucl** 56(5):369–81, May 75 (Eng. Abstr.) **(Fre)**

[Dosimetry of patients with Basedow's disease having a die-away angle; value of lithium in therapeutic combination with iodine-131] Briere J, et al. **Strahlentherapie [Sonderb]** 74:52–63, 1975 (Eng. Abstr.) **(Fre)**

[Electrondosimetry] Harder D. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):XII, Jul 75 **(Ger)**

[Clip markings of the uterus and the urinary bladder for the dosimetry of intracavity and percutaneous radiotherapy (author's transl)] Moser R, et al. **Geburtshilfe Frauenheilkd** 36(5):430–6, May 76 (Eng. Abstr.) **(Ger)**

[Problems of radiation projection] pp. 251–66. Welker K. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Examinations on the suitability of LiF probes for the determination of the gonad dose in radiological measures (author's transl)] Degner W, et al. **Radiobiol Radiother (Berl)** 16(6):655–62, 1975 (Eng. Abstr.) **(Ger)**

[Clinical examiantions on the importance of different fractionation rhythms for radiation therapy. Histologically controlled examinations of different fractionation rhythms for the irradiation of bronchial carcinoma] Eichhorn HJ, et al. **Radiobiol Radiother (Berl)** 16(4):437–41, 1975 (Eng. Abstr.) **(Ger)**

[The importance of fractionation and serial pauses for the prophylaxis of late radiation damages (author's transl)] Fuchs G. **Radiobiol Radiother (Berl)** 16(4):451–5, 1975 (Eng. Abstr.) **(Ger)**

[A plain method for determining the tumour dose in telecobalt rotation therapy (author's transl)] Fuchs G. **Radiobiol Radiother (Berl)** 16(1):7–12, 1975 **(Ger)**

[The concept of effective density of phantom materials for electron dosimetry and a simple method of their measurement (author's transl)] Geske G. **Radiobiol Radiother (Berl)** 16(6):671–6, 1975 (Eng. Abstr.) **(Ger)**

[The connection between clinical stage and dosetime ratio in laryngeal cancer (author's transl)] Ghilezan N. **Radiobiol Radiother (Berl)** 16(3):271–7, 1975 (Eng. Abstr.) **(Ger)**

[The relative lowering of rectum dose by the use of 137Cs portio plates with deformed isodose run (author's transl)] Grossmann H. **Radiobiol Radiother (Berl)** 15(2):291–3, 1974 (Eng. Abstr.) **(Ger)**

[Principles and results of gynaecological brachytherapy with high dose rates (author's transl)] Hegewald H, et al. **Radiobiol Radiother (Berl)** 16(1):13–25, 1975 **(Ger)**

[Clinical examinations on the importance of different fractionation rhythms for radiation therapy. Radiation physical model representations for optimizing fractionation conditions in radiation therapy] Kriester A. **Radiobiol Radiother (Berl)** 16(4):419–23, 1975 (Eng. Abstr.) **(Ger)**

[Clinical examinations of different fractionation rhythms for radiation therapy. Fractionation studies by means of CRE-function] Notter G, et al. **Radiobiol Radiother (Berl)** 16(4):425–35, 1975 **(Ger)**

[The quantitative analysis of the influence of dose fractionation on the relative cytogenetic effectivity of high-energy electrons (author's transl)] Percov LL, et al. **Radiobiol Radiother (Berl)** 16(6):663–70, 1975 (Eng. Abstr.) **(Ger)**

[X-ray therapy of inflammations and functional disturbances with lowest doses (author's transl)] Schöneich R. **Radiobiol Radiother (Berl)** 16(6):621–4, 1975 (Eng. Abstr.) **(Ger)**

[Clinical examinations on the different fractionation rhythms for radiation therapy. Dynamic fractionation and behavior of heterogeneous tumor cell population (clinical and technical aspects)] Siracká E, et al. **Radiobiol Radiother (Berl)** 16(4):443–9, 1975 **(Ger)**

[Effect of the natural cavities of the human body on the dose distribution of electrons with an energy of 5–20 MeV] Skoropad JD. **Radiobiol Radiother (Berl)** 16(6):677–86, 1975 (Eng. Abstr.) **(Ger)**

[Examinations of dose distribution for irradiation of malignant tumors with ultrahard bremsstrahlung from a 28 mev belatron by 3 stationary fields (author's transl)] Stecher M, et al. **Radiobiol Radiother (Berl)** 16(3):279–90, 1975 (Eng. Abstr.) **(Ger)**

[Isodose determination for the vaginal cylinder in 60Co contact therapy (author's transl)] Tautz M, et al. **Radiobiol Radiother (Berl)** 16(6):641–54, 1975 (Eng. Abstr.) **(Ger)**

[Dose calculation for thyroid radiation therapy according to MIRD recommendations (author's transl)] Tautz M. **Radiobiol Radiother (Berl)** 17(1):71–5, 1976 (Eng. Abstr.) **(Ger)**

[Incorporation dosimetry for nuclear medicine from the viewpoint of the MIRD recommendations] Tautz M, et al. **Radiobiol Radiother (Berl)** 17(1):65–70, 1976 (Eng. Abstr.) **(Ger)**

[The concept of target volume of radiotherapy (authors transl)] Gauwerky F. **Radiologe** 15(6):217–23, Jun 75 (Eng. Abstr.) **(Ger)**

[Comparative measurements of the plane-dose-product, the surface dose and organ exposure in radiodiagnostic routine-examinations (author's transl)] Fiebach O, et al. **Roentgenblaetter** 28(12):609–12, Dec 75 (Eng. Abstr.) **(Ger)**

[Technics and radiophysics of Buchler's afterloading device] Barthauer G. **Strahlentherapie** 150(3):266–71, Sep 75 (Eng. Abstr.) **(Ger)**

[Consideration of large in homogeneous regions of the computation of electron dose distributions] Fehrentz D, et al. **Strahlentherapie** 151(5):423–42, May 76 (Eng. Abstr.) **(Ger)**

[Neutron dosimetry in a 17-MeV betatron] Günther D. **Strahlentherapie** 151(4):333–7, Apr 76 (Eng. Abstr.) **(Ger)**

[Electron therapy using wedge filters. I. Experimental studies using wedge filters made from polystyrol] Kuttig H, et al. **Strahlentherapie** 150(4):383–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Principles of optimization of irradiation planning] Popp FA, et al. **Strahlentherapie** 150(4):389–402, Oct 75 (Eng. Abstr.) **(Ger)**

[A way to spatial irradiation planning. II. Vectorial demonstration of spatial dose distribution within a single-ray beam and 1st consequences for the practice] Sonntag A. **Strahlentherapie** 150(6):569–78, Dec 75 (Eng. Abstr.) **(Ger)**

[A way to spatial irradiation planning. IV. Examples of radiotherapeutic practice and conclusions] Sonntag A. **Strahlentherapie** 151(1):26–46, Jan 76 (Eng. Abstr.) **(Ger)**

[A way to spatial irradiation planning. III. Further information on the procedure for obtaining dose homogeneity in noncoplanar ray beams and its experimental verification] Sonntag A. **Strahlentherapie** 151(1):10–25, Jan 76 (Eng. Abstr.) **(Ger)**

[Radiobiological considerations in the selection of the dose rate of intracavitary radiotherapy] Trott KR. **Strahlentherapie** 150(3):261–5, Sep 75 (Eng. Abstr.) **(Ger)**

[Variations in kidney location and consequences for the radiotherapy of kidney neoplasms in the optimization of irradiation planning] Voss AC, et al. **Strahlentherapie** 150(6):551–6, Dec 75 (Eng. Abstr.) **(Ger)**

[The photon-stationary-field therapy with the 42 MeV betatron using wedge filters] Wicke L, et al. **Strahlentherapie** 150(5):468–74, Nov 75 (Eng. Abstr.) **(Ger)**

[Dose distribution in cobalt-60 irradiation of the axillary efferent lymphatic area in breast cancer] Würthner K, et al. **Strahlentherapie** 150(1):3–11, Jul 75 (Eng. Abstr.) **(Ger)**

[Consideration of inhomogeneities in irradiation planning. I. Influence of inhomogeneities on course of depth dose curve in water for cobalt60 gamma rays] Zwicker H, et al. **Strahlentherapie** 152(2):155–63, Aug 76 (Eng. Abstr.) **(Ger)**

[Follow-up results of 131-I therapy of benign thyroid diseases: an unsolved problem of dosimetry] Falkensammer M, et al. **Strahlentherapie [Sonderb]** 74:64–73, 1975 (Eng. Abstr.) **(Ger)**

[Dosimetry in cobalt teletherapy in the oral cavity following titanium metal implantation] Frössler H, et al. **ZWR** 84(6):258–60, 25 Mar 75 **(Ger)**

[The time-dose relationship in therapeutic radiology] Horn Y. **Harefuah** 89(5):217–9, 1 Sep 75 **(Heb)**

[The N S D system in contact x-ray therapy. Practical method] Peracchia G. **Ateneo Parmense [Acta Biomed]** 45(1–2):85–6, Jan–APR 74 **(Ita)**

[Mathematical determination of treatment schedules according NSD concepts in radiotherapy (author's transl)] Salti C, et al. **Ateneo Parmense [Acta Biomed]** 46(6):597–608, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Radiothermoluminescent dosimetry in plesioroentgenotherapy] Laconi A, et al. **Minerva Med** 67(20):1320–4, 28 Apr 76 (Eng. Abstr.) **(Ita)**

[Estimation of population doses from brachytherapy in Japan (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 35(11):1022–31, 1975 (Eng. Abstr.) **(Jpn)**

[Electron dosimetry in radiotherapy—with special reference to less than 10 MeV electron dosimetry (author's transl)] Nishidai T, et al. **Nippon Acta Radiol** 35(4):171–9, 25 Apr 75 (Eng. Abstr.) **(Jpn)**

[Effects of singe or multifractionated irradiation with 2 MeV fast neutrons on C3H mouse mammary carcinoma' (author's transl)] Tsunemoto H, et al. **Nippon Acta Radiol** 35(12):1116–24, 1975 (Eng. Abstr.) **(Jpn)**

[Change of the coefficient of dosage irregularity in fractionated gamma therapy with the use of grid diaphragms] Aliev BM, et al. **Med Radiol (Mosk)** 21(1):68–71, Jan 76 **(Rus)**

[Dose distribution from limited electron beams] Dubenskov PI, et al. **Med Radiol (Mosk)** 21(2):65–7, Feb 76 **(Rus)**

[X-ray therapy of nontumorous diseases using low radiation doses] Fanardzhian VA, et al. **Med Radiol (Mosk)** 20(9):12–7, Sep 75 **(Rus)**

[Calculation of integral doses and evaluation criteria in the use of forming appliances in radioisotope teletherapy] Galina LS. **Med Radiol (Mosk)** 20(4):56–60, Apr 75 **(Rus)**

[Radiobiological analysis of cancer curability depending on the radiotherapy dosage and its timely distribution based on the example of skin cancer] Kholin VV, et al. **Med Radiol (Mosk)** 20(4):37–45, Apr 75 (Eng. Abstr.) **(Rus)**

[Instrumentation-dosimetric prerequisites of intracavitary gamma therapy of cancer of the corpus uteri with sources of high activity] Kostromina KN, et al. **Med Radiol (Mosk)** 20(11):16–21, Nov 75 (Eng. Abstr.) **(Rus)**

[Visualization of the 3-dimensional dosage distributions in an irradiated object] Kvasov VA, et al. **Med Radiol (Mosk)** 20(9):62–6, Sep 75 **(Rus)**

[Radiation load from secondary and scattered particles in irradiation with protons] Lomanov MF, et al. **Med Radiol (Mosk)** 20(7):40–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Transformation of the Bragg curve into the depth dose distribution of the given form] Lomanov MF. **Med Radiol (Mosk)** 20(11):64–9, Nov 75 **(Rus)**

[Dynamics of chromosome aberrations and mitotic activity in human bone marrow cells after single local gamma-irradiation with a dose of 150 rad] Neishtadt EL, et al. **Med Radiol (Mosk)** 20(4):62–3, Apr 75 **(Rus)**

[Dosimetry of protons with 1000 MeV energy in medico-biological studies] Nizkovolos VB, et al. **Med Radiol (Mosk)** 20(7):19–24, Jul 75 (Eng. Abstr.) **(Rus)**

[Size and coordinates of the maximal dose in irradiation with a wedge filter] Pasynkova IE, et al. **Med Radiol (Mosk)** 21(2):67–9, Feb 76 **(Rus)**

[Dosage fields in irradiation with electron beams of light gauge and irregular form] Skoropad IuD, et al. **Med Radiol (Mosk)** 21(1):49–54, Jan 76 **(Rus)**

INSTRUMENTATION

A device for the automatic recording of patient outlines on the treatment simulator. Lillicrap SC, et al. **Phys Med Biol** 20(4):627–31, Jul 75

METHODS

A set of fortran subroutines for optimizing radiotherapy plans. Redpath AT, et al. **Comput Programs Biomed** 5(2):158–64, Dec 75

[Clip marking of uterus and bladder for dosimetry in intracavity and percutaneous radiotherapy] Moser R, et al. **Gynaekol Rundsch** 15 suppl 1:105–7, 1975 **(Ger)**

[Mathematical modelling and the optimization of the radiation therapy of malignant neoplasms] Ivanov VK, et al. **Med Radiol (Mosk)** 21(2):3–7, Feb 76 (Eng. Abstr.) **(Rus)**

STANDARDS

Volume and time factors in interstitial gamma-ray therapy. Barkley HT Jr, et al. **Am J Roentgenol** 126(1):163–70, Jan 76

Letter: Specification of gamma-ray brachytherapy sources. Dutreix A, et al. **Br J Radiol** 48(576):1034–5, Dec 75

International dosimetry: an evaluation of treatment planning in clinical trials. Grant W 3d, et al. **Br J Radiol** 48(572):634–7, Aug 75

A table for the rapid determination of RET and TDF values. Webber BM, et al. **Br J Radiol** 48(575):929–30, Nov 75

The development of dosimetry in radium therapy. pp. 1–6. Quimby EH.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

A thermoluminescence system for the intercomparison of absorbed dose and radiation quality of X-rays with a HVL of 0-1 to 3-0 mm Cu. Puite KJ. **Phys Med Biol** 21(2) Mar 76

Proceedings: Dutch exposure standards in the international context. Somerwil A. **Radiol Clin (Basel)** 45(1):54–6, 1976

[Development and utilization of the Nominal Standard Dose for the tolerance dosage to healthy tissue in radiotherapy] Gabriel-Jürgens P, et al. **Strahlentherapie** 151(2):99–112, Feb 76 (Eng. Abstr.) **(Ger)**

[A path to spatial irradiation planning. I. The problem of dose homogeneity within the area of crossing ray beams with different planes of incidence; basic examinations leading to an optimization procedure] Sonntag A. **Strahlentherapie** 150(5):507–20, Nov 75 (Eng. Abstr.) **(Ger)**

[Critical evaluation of the conception of nominal standard dose] Kholin VV. **Med Radiol (Mosk)** 21(1):55–65, Jan 76 **(Rus)**

RADIOTHERAPY, HIGH ENERGY

Variation of percentage depth dose with beam area of 43 MV roentgen ray beam from a betatron. Bhatnagar JP, et al. **Acta Radiol [Ther] (Stockh)** 14(4):337–46, Aug 75

Spectral measurements and Monte Carlo calculations of scattered radiation from therapeutic radiation sources. Ennow K, et al. **Acta Radiol [Ther] (Stockh)** 14(3):262–72, Jun 75

High-energy protons in the postoperative treatment of malignant glioma. Graffman S, et al. **Acta Radiol [Ther] (Stockh)** 14(5):443–61, Oct 75

Tissue heterogeneity in the anterior chest wall and its influence on radiation therapy of the internal mammary lymph nodes. Lindskoug B, et al. **Acta Radiol [Ther] (Stockh)** 15(2):97–116, Apr 76

Central axis depth dose for a 2.5 MV Van de Graaff generator. Anderson DW, et al. **Am J Roentgenol** 126(6):1260–5, Jun 76

Combination of conservative surgery and irradiation for cancer of the breast. Fletcher GH, et al. **Am J Roentgenol** 126(2):216–22, Feb 76

Carcinoma of the oropharynx. Results of megavoltage radiation therapy in 305 patients. Weller SA, et al. **Am J Roentgenol** 126(2):236–47, Feb 76

The supervoltage story. Janeway Lecture, 1974. Schulz MD. **Am J Roentgenol Radium Ther Nucl Med** 124(4):541–59, Aug 75

Weekly total skin electron beam therapy for mycosis fungoides and other cutaneous lymphomata: further experience. D'Angio GJ, et al. **Br J Cancer** 31 SUPPL 2:379–85, Mar 75

The treatment of mycosis fungoides and related conditions with particular emphasis on electron therapy. Szur L. **Br J Cancer** 31 SUPPL 2:368–78, Mar 75

Letter: Electron back-scattering from lead in a perspex phantom. Nüsslin F. **Br J Radiol** 48(576):1041–2, Dec 75

A widely applicable method for computing dose distributions from external megavoltage beams. Thomas RL, et al. **Br J Radiol** 48(573):749–54, Sep 75

Carcinoma of the nasopharynx. Eighteen years' experience with megavoltage radiation therapy. Hoppe RT, et al. **Cancer** 37(6):2605–12, Jun 76

Megavoltage irradiation in the treatment of gliomas of the brain and spinal cord. Marsa GW, et al. **Cancer** 36(5):1681–9, Nov 75

Cancer of the nasopharynx: review of 43 cases treated with supervoltage radiation therapy. Urdaneta N, et al. **Cancer** 37(4):1707–12, Apr 76

A shielding maze at a neutron radiotherapy facility. Attix FH, et al. **Health Phys** 31(1):78–80, JUL 76

Calcium sulphate phosphor for clinical neutron dosimetry. Blum E, et al. **Health Phys** 30(3):257–61, Mar 76

Total nodal irradiation: dose distribution with radiation beams from linear accelerators. pp. 217–23. Jetne V.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

Dosimetry considerations of electron beams. pp. 129–68. Almond PR.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Problems of high-energy x-ray beam dosimetry. pp. 203–14. Dutreix A.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Value of and need for 25- to 35-MV photon beams. pp. 17–35. Fletcher GH.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

The value of and need for high-energy electrons. pp. 51–76. Ho JH, et al.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Optimization of energy and equipment. pp. 333–45. Johns HE.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Desirable characteristics of high-energy photons and electrons. pp. 3–16. Johns HE, et al.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Current treatment-planning practice with phatons. pp. 85–100. Laughlin JS.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

High-energy x-ray beams in the management of head and neck and pelvic cancers. pp. 215–41. Perez CA, et al.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Electron-beam dose distribution in inhomogeneous media. pp. 243–54. Pohlit W, et al.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Future uses for high-energy. Low-LET radiation. pp. 347–56. Powers WE.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

The use of high-energy electrons in the treatment of inoperable lung and bronchogenic carcinoma. pp. 255–84. Schumacher W.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Clinical experience with electron beams. pp. 169–95. Tapley N.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Clinical experience with high-energy photons. pp. 101–14. Watson TA.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.

Biological basis of heavy particle and fast neutron radiotherapy. pp. 1084–91. Barendsen GW.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

A preliminary report of the MDAH-TAMVEC neutron therapy pilot study. pp. 1106–17. Hussey DH, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Clinical experience of therapy with cyclotron neutrons at the University of Washington. pp. 1118–24. Parker RG, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

The Middle Atlantic neutron therapy trial. pp. 1092–1105. Rogers C.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. Bagne F.

Med Phys 3(1):31–8, Jan–Feb 76

Specification of electron beam quality from the central-axis depth absorbed-dose distribution. Brahme A, et al. **Med Phys** 3(2):95–102, Mar–Apr 76

Lead shielding thickness for dose reduction of 7- to 28MeV electrons. Giarratano JC, et al. **Med Phys** 2(6):336–7, Nov–Dec 75

Variation in output with a fixed dose setting on a 4-MV linear accelerator. Gillin M, et al. **Med Phys** 3(2):107–8, Mar–Apr 76

Betatron-Quastler era at the University of Illinois. Kerst DW. **Med Phys** 2(6):297–300, Nov–Dec 75

Measurement of primary bremsstrahlung spectrum from an

8-MeV linear accelerator. Levy LB, et al. **Med Phys** 3(3):173-5, May-Jun 76

Portable tissue equivalent calorimeter. McDonald JC, et al. **Med Phys** 3(2):80-6, Mar-Apr 76

Distortion of fast-neutron dose distribution by bone. McGinley PH, et al. **Med Phys** 3(3):181-3, May-Jun 76

Determination of high-energy x-ray spectra by photoactivation. Nath R, et al. **Med Phys** 3(3):133-41, May-Jun 76

Design of flattening filters for the fast-neutron beam at TAMVEC by use of decrement lines. Otte VA, et al. **Med Phys** 3(4):250-2, Jul-Aug 76

Computer generation of high-energy x-ray dose distributions. Schulz RJ, et al. **Med Phys** 3(1):12-8, Jan-Feb 76

Displacement correction factor for fast-neutron dosimetry in a tissue-equivalent phantom. Shapiro P, et al. **Med Phys** 3(2):87-90, Mar-Apr 76

Fast-neutron dose rate vs energy for the d+Be reaction--a reanalysis. Smathers JB, et al. **Med Phys** 3(1):45-7, Jan-Feb 76

Simple design for a Styrofoam cutter. Sorensen A, et al. **Med Phys** 2(6):338-9, Nov-Dec 75

Model for the calculation of output for elongated fields at nonstandard distances for a 25-MV betatron and for radiocobalt teletherapy units. Starchman DE, et al. **Med Phys** 2(6):333-5, Nov-Dec 75

Beam profiles measured on neutron generator having an effective target area 5-5 X 5-5 cm2. Bloch PH, et al. **Phys Med Biol** 21(3):450-2, May 76

Percentage depth doses for high energy x-rays. Dawson DJ. **Phys Med Biol** 21(2) Mar 76

The fourteenth Douglas Lea Memorial Lecture. Radiation and the single cell: the physicist's contribution to radiobiology. Hall EJ. **Phys Med Biol** 21(3):347-59, May 76

A radiotherapy dose integrator for 300 kVp x-rays. Hardwick AD. **Phys Med Biol** 21(2) Mar 76

Californium-252 line sources: experimental verification of depth dose data using NTA films and dosage tables based on Paterson and Parker rules. Iyer PS, et al. **Phys Med Biol** 21(1):98-103, Jan 76

Holographic measurements of electron-beam dose distributions around inhomogeneities in water. Miller A, et al. **Phys Med Biol** 21(2):285-8, Mar 76

An ionization chamber for therapy-level dosimetry of electron beams. Morris WT, et al. **Phys Med Biol** 20(3):718-27, Sep 75

The influence of air cavities on the dose distribution of high-energy electron beams. Nüsslin F. **Phys Med Biol** 20(3):728-34, Sep 75

Small-field irradiation of monkey eyes with protons and photons. Constable IJ, et al. **Radiat Res** 65(2):304-14, Feb 76

Characteristics of a negative pion beam for the irradiation of superifical nodules in cancer patients. Richman C. **Radiat Res** 66(3):453-71, Jun 76

Radiographic scale grid for supervoltage radiographs. Wong JT. **Radiol Technol** 47(3):414-4, Nov-Dec 75

Clinical use of thermoluminescent dosimeters in supervoltage x-ray therapy. Bagne F. **Radiology** 119(2):480-2, May 76

Effects of irradiation on the eye. Chan RC, et al. **Radiology** 120(3):673-5, Sep 76

Surface dose from megavoltage therapy machines. Gagnon WF, et al. **Radiology** 117(3 Pt 1):705-8, Dec 75

Radiobiological properties of high-energy cyclotron-produced neutrons used for radiotherapy. Hall EJ, et al. **Radiology** 117(1):173-8, Oct 75

Megavoltage therapy in patients with aneurysmal bone cysts. Marks RD Jr, et al. **Radiology** 118(2):421-4, Feb 76

Osteosarcoma a review of 72 cases treated by megavoltage radiation therapy, with or without surgery. de Moor NG. **S Afr J Surg** 13(3):137-46, Sep 75

Sources of fast neutrons for radiotherapy. Wynchank S, et al. **S Afr Med J** 50(17):653-7, 17 Apr 76

The role of megavoltage radiation therapy in the treatment of prostatic carcinoma. Pistenma DA, et al. **Semin Oncol** 3(2):115-22, Jun 76

[In-vivo dosimetry using thermoluminescence in patients treated with with high-energy electron] van Dam J. **J Belge Radiol** 55(2):293-6, Mar-Apr 72 (Eng. Abstr.) **(Dut)**

[High-voltage radiotherapy of laryngeal tumors. Results] Balikdjian D, et al. **Acta Otorhinolaryngol Belg** 29(5):855, 1975 **(Fre)**

[4 years of use of a linear accelerator in dermatology] Delaunay M, et al. **Ann Dermatol Syphiligr (Paris)** 102(3):257-69, 1975 (Eng. Abstr.) **(Fre)**

[Value of high-energy radiotherapy in adenopathy of laryngeal cancer] Bataïni JP, et al. **J Radiol Electrol Med Nucl** 56(11):838-9, Nov 75 **(Fre)**

[Electrondosimetry] Harder D. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):XII, Jul 75 **(Ger)**

[Cytological and histological controls of the course in high-energy irradiated prostatic carcinoma] Egle N, et al. **Helv Chir Acta** 43(3):337-9, Jul 76 **(Ger)**

[High-energy radiotherapy of bladder carcinoma in combination with transurethral resection] Grob HU, et al. **Helv Chir Acta** 43(3):327-31, Jul 76 **(Ger)**

[The quantitative analysis of the influence of dose fractionation on the relative cytogenetic effectivity of high-energy electrons (author's transl)] Percov LL, et al. **Radiobiol Radiother (Berl)** 16(6):663-70, 1975 (Eng. Abstr.) **(Ger)**

[Effect of the natural cavities of the human body on the dose distribution of electrons with an energy of 5-20 MeV] Skoropad JD. **Radiobiol Radiother (Berl)** 16(6):677-86, 1975 (Eng. Abstr.) **(Ger)**

[Examinations of dose distribution for irradiation of malignant tumors with ultrahard bremsstrahlung from a 28 mev belatron by 3 stationary fields (author's transl)] Stecher M, et al. **Radiobiol Radiother (Berl)** 16(3):279-90, 1975 (Eng. Abstr.) **(Ger)**

[Neutron dosimetry in a 17-MeV betatron] Günther D. **Strahlentherapie** 151(4):333-7, Apr 76 (Eng. Abstr.) **(Ger)**

[Load to the lung and spinal cord in the treatment of exophageal carcinoma using telecentric-excentric pendulous 42 MeV betatron irradiation] Koischwitz D, et al. **Strahlentherapie** 151(2):183-91, Feb 76 **(Ger)**

[Results of ortho- and megavolt therapy of inoperable bronchial carcinoma] Rey G, et al. **Strahlentherapie** 150(5):449-55, Nov 75 (Eng. Abstr.) **(Ger)**

[Advances in the clinical application of quantum and electron irradiation (author's transl)] Dimopoulos J. **Wien Klin Wochenschr [Suppl]** 87(37):3-34, 1975 (Eng. Abstr.) **(Ger)**

[Multienergetic radiation in modern radiotherapy] Horn Y. **Harefuah** 89(4):171-3, 15 Aug 75 **(Heb)**

[Fast neutron radiotherapy of a mouse malignant melanoma (author's transl)] Koike S, et al. **Nippon Acta Radiol** 35(9):803-8, 25 Sep 75 (Eng. Abstr.) **(Jpn)**

[Effects of singe or multifractionated irradiation with 2 MeV fast neutrons on C3H mouse mammary carcinoma' (author's transl)] Tsunemoto H, et al. **Nippon Acta Radiol** 35(12):1116-24, 1975 (Eng. Abstr.) **(Jpn)**

[Possibilities of sector irradiation by a beam of electrons of a B5M-25 betatron] Dmitrov GP, et al. **Med Radiol (Mosk)** 20(4):52-6, Apr 75 (Eng. Abstr.) **(Rus)**

[Radiation load from secondary and scattered particles in irradiation with protons] Lomanov MF, et al. **Med Radiol (Mosk)** 20(7):40-8, Jul 75 (Eng. Abstr.) **(Rus)**

[Transformation of the Bragg curve into the depth dose distribution of the given form] Lomanov MF. **Med Radiol (Mosk)** 20(11):64-9, Nov 75 **(Rus)**

[Dosimetry of protons with 1000 MeV energy in medico-biological studies] Nizkovolos VB, et al. **Med Radiol (Mosk)** 20(7):19-24, Jul 75 (Eng. Abstr.) **(Rus)**

[Energy distribution in thin layers of tissue-equivalent substance during passage of heavy charged particles] Pitkevich VA, et al. **Med Radiol (Mosk)** 20(7):24-33, Jul 75 (Eng. Abstr.) **(Rus)**

[Sliding irradiation of brain tumors on a betatron] Smirnov RV, et al. **Med Radiol (Mosk)** 20(11):3-9, Nov 75 (Eng. Abstr.) **(Rus)**

[The effect of megavolt radiation therapy on glioblastoma multiforme] Iashinskas PK, et al. **Vopr Neirokhir** (1):41-6, Jan-Feb 76 **(Rus)**

ADVERSE EFFECTS

Neurologic complications after irradiation of the cervical spinal cord for malignant tumour of the head and neck. Baekmark UB. **Acta Radiol [Ther] (Stockh)** 14(1):33-41, Feb 75

Effects of fast neutrons on the eye. A preliminary communication. Brown N, et al. **Br J Ophthalmol** 59(9):510-3, Sep 75

Radiation enteritis following radiotherapy for prostatic carcinoma. Duggan FJ Jr, et al. **Br J Urol** 47(4):441-4, Aug 75

Orgotein efficacy in ameliorating side effects due to radiation therapy. I. Double-blind, placebo-controlled trial in patients with bladder tumors. Edsmyr F, et al. **Curr Ther Res** 19(2):198-211, Feb 76

An estimate of the patient risk in cyclotron neutron radiotherapy using mouse testes as a biological test system. Geraci JP, et al. **Health Phys** 29(5):729-37, Nov 75

Letter: Chromosome aberration yields in human lymphocytes exposed to fractionated doses of negative pi mesons. Purrott RJ. **Int J Radiat Biol** 28(6):599-602, Dec 75

Primary and secondary hypothyroidism in nasopharyngeal carcinoma. Rosenthal MB, et al. **JAMA** 236(14):1591-3, 4 Oct 76

Early and late effects of irradiation for seminoma testis on the number of blood lymphocytes and their B and T subpopulations. Heier HE, et al. **Lymphology** 8(3):69-74, Sep 75

Haematuria following radiotherapy for bladder tumours. An approach to therapy. Dell'Adami G, et al. **Urol Int** 30(5):326-31, 1975

[Radiation induced malignant hypertension treated by unilateral nephrectomy] Pedersen OL, et al. **Ugeskr Laeger** 138(7):425-6, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Aspects of the pathology of the arm after irradiation of breast cancer] Simon L, et al. **Rev Rhum Mal Osteoartic** 43(2):133-40, Feb 76 (Eng. Abstr.) **(Fre)**

[Exacerbation of bullous pemphigold through treatment with high-energy radiation (radiocobalt and betatron irradiation). 2 clinical cases)] Remy W, et al. **Z Hautkr** 50(10):425-8, 15 May 75 **(Ger)**

[Radiation pneumonitis following postoperative irradiation with 6 MeV of breast cancer] Asakawa H, et al. **Jpn J Clin Radiol** 20(7):577-82, Jul 75 **(Jpn)**

[Lung injury during radiation and combined treatment of bronchogenic cancer] Strashinin AI, et al. **Med Radiol (Mosk)** 20(11):24-31, Nov 75 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Stability of a linear accelerator with 'achromatic' electron beam bending. Sutherland WH. **Br J Radiol** 49(579):262-6, Mar 76

A proposed method for making reduced wax compensators for use with high-energy radiation beams. Watkins DM. **Br J Radiol** 48(573):760-2, Sep 75

Electron scattering and collimation system for a 12-MeV linear accelerator. Bjarngard BE, et al. **Med Phys** 3(3):153-8, May-Jun 76

Calvarial-scalp compensator for radiotherapy. Maruyama Y, et al. **Radiology** 117(1):218-20, Oct 75

The medical linear accelerator. Anderson JD. **S Afr J Surg** 13(3):115-20, Sep 75

[Cast compensator devices for high-energy irradiation (telecobaltherapy--electrontherapy] Abbatucci JS, et al. **Acta Stomatol Belg** 72(3):513-6, 1975 **(Fre)**

[An integrated measurement system for betatron systems used in radiotherapy] Meyer R, et al. **Strahlentherapie** 152(1):57-70, Jul 76 (Eng. Abstr.) **(Ger)**

[Formation of irradiation fields by use of the electron beam of a LUE-25 linear accelerator] Bazhanov EB, et al. **Med Radiol (Mosk)** 20(7):59-66, Jul 75 (Eng. Abstr.) **(Rus)**

[Evaluation of levels of irradiation from evoked activity on medical acclerators of B5M-25 and LUE-25 types] Bazhanov EB, et al. **Med Radiol (Mosk)** 21(2):60-4, Feb 76 (Eng. Abstr.) **(Rus)**

[Medical pion-mesonic beam of the Nuclear Problems Laboratory, United Institute of Nuclear Research] Dzhelepov VP, et al. **Med Radiol (Mosk)** 20(7):3-13, Jul 75 (Eng. Abstr.) **(Rus)**

[Medical synchrocyclotron proton tract of the Leningrad Institute of Nuclear Physics] Karlin DL, et al. **Med Radiol (Mosk)** 20(7):13-9, Jul 75 **(Rus)**

[Instrumentation-dosimetric prerequisites of intracavitary gamma therapy of cancer of the corpus uteri with sources of high activity] Kostromina KN, et al. **Med Radiol (Mosk)** 20(11):16-21, Nov 75 (Eng. Abstr.) **(Rus)**

[Calculation of parameters and certain physical characteristics of leveling filters for betatron electron beam] Shishov VA. **Med Radiol (Mosk)** 20(7):66-73, Jul 75 (Eng. Abstr.) **(Rus)**

[Experience in creating and prospects of use of the neutron medico-biological beam] Zherbin EA, et al. **Med Radiol (Mosk)** 20(7):52-9, Jul 75 (Eng. Abstr.) **(Rus)**

METHODS

Radiology now. Fast neutrons-clinical requirements. Catterall M. **Br J Radiol** 49(579):203-5, Mar 76

Letter: Mathematical representation of megavoltage teletherapy beams. Haywood JK, et al. **Br J Radiol** 49(579):297, Mar 76

A technique for the local and regional control of carcinoma of the breast using 25-MeV x radiation. Loeffler RK. **Cancer** 36(4):1496-505, Oct 75

High-dose effects in the treatment of carcinoma of the bladder under air and hyperbaric oxygen conditions. Kirk J, et al. **Clin Radiol** 27(2):137-44, Apr 76

Telecentric rotation with electron beams. pp. 285-300. Fehrentz D. **In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.**

Effects of fractionation in radiation therapy of carcinoma of the lip. Boulos BM, et al. **Panminerva Med** 18(5-6):167-9, May-Jun 76

[Biomedical use and dosimetry of pions of the sin 590 MeV isochrone cyclotrone. VII. Radiation therapy using negative pions (author's transl)] Wideröe R. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):182-5, Feb 76 (Eng. Abstr.) **(Ger)**

[Clinical experiences with intracavitary gamma-ray therapy of cervix carcinoma with afterloading apparatus 'Agat-V' (author's transl)] Kostromina KN. **Radiobiol Radiother (Berl)** 16(4):457-66, 1975 (Eng. Abstr.) **(Ger)**

[Experience with a double dose-monitoring system in the 18 MeV betatron therapy (author's transl)] Roth J, et al. **Roentgenblaetter** 28(11):563-5, Nov 75 (Eng. Abstr.) **(Ger)**

[Percutaneous radiotherapy of malignant tumors of the thyroid (author's transl)] Scherer E. **Roentgenblaetter** 28(12):580-6, Dec 75 (Eng. Abstr.) **(Ger)**

[Electron therapy using wedge filters. I. Experimental studies using wedge filters made from polystyrol] Kuttig H, et al. **Strahlentherapie** 150(4):383-8, Oct 75 (Eng. Abstr.) **(Ger)**

[The photon-stationary-field therapy with the 42 MeV betatron using wedge filters] Wicke L, et al. **Strahlentherapie** 150(5):468-74, Nov 75 (Eng. Abstr.) **(Ger)**

[Dosage fields in irradiation with electron beams of light

gauge and irregular form] Skoropad IuD, et al. **Med Radiol (Mosk)** 21(1):49–54, Jan 76 **(Rus)**

STANDARDS

A Cerenkov detector for energy calibration of electron accelerators in clinical use. Liesem H. **Phys Med Biol** 21(3):360–8, May 76

[New standards of radiation protection for the use of electron accelerators. Comments on the suggested norms DIN 6847, part 1 and part 2] Berger H. **Strahlentherapie** 151(2):192–4, Feb 76 **(Ger)**

RADIUM

A comparison of the dose to cells on trabecular bone surfaces from plutonium–239 and radium–226 based on experimental alpha absorption measurements. Harley NH, et al. **Health Phys** 30(1):35–46, Jan 76

Mean and effective photon energies of 226Ra in equilibrium with daughters. Kathren RL, et al. **Health Phys** 30(1):143–5, Jan 76

Local dosimetry and qualitative changes in 226Ra– and 90Sr–90Y–labeled beagle humeri. Momeni MH, et al. **Health Phys** 30(1):21–34, Jan 76

Dose rates, dose and time effects of 90Sr + 90Y and 226Ra on beagle skeleton. Momeni MH, et al. **Health Phys** 30(5):381–90, May 76

Plugged haversian canals and skeletal dose in radium cases. Simmons DJ, et al. **Health Phys** 29(5):767–75, Nov 75

Weakening of bone by osteolytic lesions in a radium case. Von Seggen WW, et al. **Health Phys** 30(2):243–5, Feb 76

Viruses in osteosarcomas induced by 226Ra. A study of the induction of bone tumours in mice. Lloyd EL, et al. **Int J Radiat Biol** 28(1):13–33, Jul 75

Slow growth rate of a deep–sea clam determined by 228Ra chronology. Turekian KK, et al. **Proc Natl Acad Sci USA** 72(7):2829–32, Jul 75

Response of femoral and vertebral colony–forming units to 226Ra internal contamination in mice. Svoboda V, et al. **Radiat Res** 64(3):467–74, Dec 75

The skeletal dose from 224Ra following intravascular administration of thorotrast. Rowland RE, et al. **Riso Rep** (294):95–103, Jun 73

ADMINISTRATION & DOSAGE

Tandem hysterography during intra–uterine radium application. Scott WP. **Am J Roentgenol Radium Ther Nucl Med** 124(4):636–7, Aug 75

An after loading colpostat (using standard source tubes). Fayos JV, et al. **Br J Radiol** 49(584):716–8, Aug 76

The contribution of interstitial implants to treatment planning. Collins VP. **Can J Otolaryngol** 4(5):939–41, 1975

An account of the radium collar and the Finzi Harmer implant. Stewart JG. **Can J Otolaryngol** 4(5):942–6, 1975

A preloaded radium needle implant device for maintenance of needle spacing. Ellingwood KE, et al. **Cancer** 37(6):2858–60, Jun 76

Time–dose relationships in brachytherapy. pp. 35–40. Hall EJ. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

The development of dosimetry in radium therapy. pp. 1–6. Quimby EH. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Radiation from radium needles. Atne AH. **Int J Appl Radiat Isot** 26(11):694–5, Nov 75

Uses of radium and special methods of application in radiotherapy. Canoy NR, et al. **Mo Med** 73(3):138–42, Mar 76

Dosimetry problems in endolymphatic curietherapy. Lahneche B, et al. **Panminerva Med** 18(5–6):181–2, May–Jun 76

[The effect of lateral deviation of uterine probe on dose distribution in the Glivice method of radiotherapy of cervical carcinoma] Lambrinow N, et al. **Pol Przegl Radiol** 39(5):589–93, Sep–Oct 75 **(Pol)**

ADVERSE EFFECTS

Analysis of dose, dose–rate and treatment time in the production of injuries by radium treatment for cancer of the uterine cervix. Lee KH, et al. **Br J Radiol** 49(581):430–44, May 76

The risk of malignancy from internally–deposited radioisotopes. pp. 146–55. Rowland RE. **In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.**

Multiple external–internal resorptions as late effects of thorium X (224 Ra). Reichart P, et al. **J Oral Pathol** 5(1):52–9, Jan 76

Cancer of the thyroid following radium application to the neck. Walach N, et al. **Oncology** 31(3–4):153–6, 1975

[Review on the afterloading technics in gynecological radiotherapy] Rotte K. **Strahlentherapie** 150(3):237–42, Sep 75 (25 ref.) (Eng. Abstr.) **(Ger)**

[Assessment of the radiation danger of jobs to remove constant–action luminescent dyes] Diachok VK, et al. **Voen Med Zh** (8):51–3, Aug 75 **(Rus)**

ANALYSIS

Distribution of injected 226Ra and 90Sr in the beagle skeleton. Lloyd RD, et al. **Health Phys** 30(2):183–9, Feb 76

Gamma–ray emitters in concrete. Lloyd RD. **Health Phys** 31(1):71–3, JUL 76

[226Ra in food and human bones in the city of Rio de Janeiro] Lobão N, et al. **An Acad Bras Cienc** 45(3–4):489–95, 1973 (Eng. Abstr.) **(Por)**

[An installation for life monitoring of radium–D content in the human body] Belle IuS, et al. **Gig Sanit** (5):71–3, May 75 **(Rus)**

[Concentration of Sr90, Ra226 and Cs137 in radiochemical analysis] Tomilin IuA. **Gig Sanit** (5):80–1, May 76 **(Rus)**

HISTORY

Marie Curie: the birth of a science. Foley JJ. **Radiol Technol** 47(3):134–40, Nov–Dec 75

METABOLISM

Retention and distribution of 226 Ra in beagles. Momeni MH, et al. **Health Phys** 30(5):369–80, May 76

Thicknesses of the deposits of plutonium and radium at bone surfaces in the beagle. Schlenker RA, et al. **Health Phys** 29(5):649–54, Nov 75

Retention and skeletal dosimetry of injected 226Ra, 228Ra, and 90Sr in bealges. Lloyd RD, et al. **Radiat Res** 66(2):274–87, May 76

[Behavior of thorium–228 and its daughter isotopes in the body of rats when administered perorally] Pavlovskaia NA, et al. **Gig Tr Prof Zabol** (5):36–9, May 74 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Frequency of severe complications after radiation therapy for cervical carcinoma. Einhorn N. **Acta Radiol [Ther] (Stockh)** 14(1):42–8, Feb 75

Dosimetry of combined intracavitary and external irradiation of carcinoma of the uterine cervix. Johnsson JE, et al. **Acta Radiol [Ther] (Stockh)** 14(3):251–61, Jun 75

An account of the radium collar and the Finzi Harmer implant. pp. 904–8. Stewart JG. **In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer, New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.**

A technical note on precision implantation for interstitial oral radiation. Nickel AA, et al. **Int J Oral Surg** 4(6):284–7, Dec 75

Curietherapy in breast cancer of stages I and II by radium implant or 198Au seeds. Maisin H, et al. **Panminerva Med** 18(1–2):50–9, Jan–Feb 76

The use of intrauterine and intravaginal radium in the treatment of carcinoma of the bladder in women. Ariaratnam LS, et al. **Radiology** 119(3):669–72, Jun 76

Time, dose and volume factors in interstitial Radium implants of carcinoma of the oral tongue. Fu KK, et al. **Radiology** 119(1):209–13, Apr 76

[Epitheliomas of the cervis uteri: exclusive radio–curietherapy in 431 cases (32 of them residual cervices) treated between 1959 and 1969] Pourquier H. **J Gynecol Obstet Biol Reprod (Paris)** 4(8):1109–20, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Exclusive radiotherapy (cobalt teletherapy–radium therapy) in epithelioma of the uterine cervix. 400 cases treated between 1959 and 1969] Pourquier H. **J Radiol Electrol Med Nucl** 56(5):411–7, May 75 (Eng. Abstr.) **(Fre)**

[Improvement of gynecologic radium therapy through the afterloading method using cesium 137] Fournier DV, et al. **Strahlentherapie** 151(3):195–207, Mar 76 (Eng. Abstr.) **(Ger)**

[Methodologic studies on the optimization of the 60Co–teletherapy in combination with high dosage brachytherapy of cervix carcinoma] Heckenthaler W, et al. **Strahlentherapie** 150(5):475–86, Nov 75 (Eng. Abstr.) **(Ger)**

[Vaginal applicator combination for radium therapy of advanced vaginal and cervix carcinomas] Paeschke KD, et al. **Strahlentherapie** 151(4):306–10, Apr 76 (Eng. Abstr.) **(Ger)**

[Experiences and results in the radiotherapy of 1013 patients with uterine cervix neoplasms] von Essen A, et al. **Strahlentherapie** 150(3):288–94, Sep 75 (Eng. Abstr.) **(Ger)**

[Tubal gammatherapy with radium. Results of 2 years experience with tubal inflammation, serous otitis and otorrhea surgery] Sprekelsen C, et al. **An Otorrinolaringol Ibero Am** 2(2):28–39, 1975 (Eng. Abstr.) **(Spa)**

RADIUS

Aneurysmal bone cysts. Shaw SC, et al. **Indian J Cancer** 12(3):334–41, Sep 75

Osteochondroma following irradiation. Case report and review of the literature. Pogrund H, et al. **Isr J Med Sci** 12(2):154–7, Feb 76

Periosteal new bone formation of the radius as a cause of lameness in two horses. Lundvall RL. **J Am Vet Med Assoc** 168(7):612–3, 1 Apr 76

Surgical management of radial physeal growth disturbance in dogs. Newton CD, et al. **J Am Vet Med Assoc** 167(11):1011–8, 1 Dec 75

Premature closure of the distal radial growth plate in a dog. Passman D, et al. **J Am Vet Med Assoc** 167(5):391–3, 1 Sep 75

Anterior angulation deformity of the radial head. An unusual lesion occurring in juvenile baseball players. Ellman H. **J Bone Joint Surg [Am]** 57(6):776–8, Sep 75

Non–traumatic dislocation of the radial head in cerebral palsy. Pletcher DF, et al. **J Bone Joint Surg [Am]** 58(1):104–5, Jan 76

Osteochondromatosis in the racing greyhound. Power JW. **J Small Anim Pract** 16(12):803–7, Dec 75

Metaphyseal giant–cell tumor in a girl of 14. Peison B, et al. **Radiology** 118(1):145–6, Jan 76

Isolated lesions of the radio–ulnar disk treated with excision. Mossing N. **Scand J Plast Reconstr Surg** 9(3):231–3, 1975

[Neurilemmoma causing a defect in the radius] Dąbrowski W. **Chir Narzadow Ruchu Ortop Pol** 41(2):227–9, 1976 (Eng. Abstr.) **(Pol)**

[Ambulatory treatment of humero–scapular periarthritis, humeral epicondylitis and radial styloiditis by local injections of hydrocortisone] Gudushauri ON, et al. **Ortop Travmatol Protez** (8):24–6, Aug 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Ulna duplicity with radius defect and octodactyly. Fazekas A, et al. **Anthropol Anz** 34(2):126–8, May 74

Cows' milk allergy in the syndrome of thrombocytopenia with absent radius. Whitfield MF, et al. **Arch Dis Child** 51(5):337–43, May 76

Absence of the pectoralis major, with ipsilateral aplasia of the radius, thumb, hemidiaphragm and lung: an extreme expression of poland anomaly? Frias JL, et al. **Birth Defects** 10(5):55–9, 1974

B—microcephaly, short stature, radioulnar synostosis and ptosis. Jorgensen RJ. **Birth Defects** 10(5):196–7, 1974

The genetics of and associated clinical findings in humero–radial synostosis. Hunter AG, et al. **Clin Genet** 9(5):470–8, May 76

The radial clubhand. Goldberg MJ, et al. **Orthop Clin North Am** 7(2):341–9, Apr 76

Congenital pseudarthrosis of the distal radius. Greenberg LA, et al. **South Med J** 68(8):1053–4, Aug 75

[Proceedings: Congenital amegakaryocytic thrombopenia with radial aplasia] Corberand J, et al. **Arch Fr Pediatr** 32(6):568, Jun–Jul 75 **(Fre)**

[Radiusaplasia with T thrombocytopenia. A genetic syndrome] Haarmann M, et al. **Ergeb Inn Med Kinderheilkd** 37:57–106, 1975 **(Ger)**

[Aberrant ossifications] Ionescu L. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(3):239–43, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Treatment of Madelung's deformity] Kacharava NN. **Ortop Travmatol Protez** (2):51–3, Feb 76 **(Rus)**

[Congenital hypoplastic thrombocytopenia with aplasia of the radial bones] Alekina GK, et al. **Pediatriia** (2):76–8, Feb 74 **(Rus)**

[Congenital amegakaryocytic purpura with aplasia of the radii report of one case (author's transl)] Fernández Ramos O, et al. **Sangre (Barc)** 21(2):368–74, 1976 (Eng. Abstr.) **(Spa)**

[Amegakaryocytic thrombocytopenia with bilateral aplasia of the radii. Report of one case (author's transl)] Hernández Bello A, et al. **Sangre (Barc)** 21(1):175–80, 1976 (Eng. Abstr.) **(Spa)**

ANALYSIS

Proceedings: Influence of skeletal size on bone mineral content: skeletal size–adjusted national and international normative trend lines. Dequeker J, et al. **Am J Roentgenol** 126(6):1288–9, Jun 76

Proceedings: Validity of the absorptiometric measurement of bone mineral content of the radius. Ellis KJ, et al. **Am J Roentgenol** 126(6):1286–7, Jun 76

Proceedings: Experimental use of photon absorptiometry in animal research models. Griffith H, et al. **Am J Roentgenol** 126(6):1309, Jun 76

Proceedings: Measurement of bone mineral density using coherent and Compton scattering. Olkkonen H, et al. **Am J Roentgenol** 126(6):1279–80, Jun 76

Proceedings: Percentages of cortical and trabecular bone mineral mass in the radius and ulna. Schlenker RA. **Am J Roentgenol** 126(6):1309–12, Jun 76

ANATOMY & HISTOLOGY

Relationship of radial metaphyseal band width to stature velocity. Edlin JC, et al. **Am J Dis Child** 130(2):160–3, Feb 76

[Morphometric study of the dog radial diaphysis] Piret N, et al. **Bull Assoc Anat (Nancy)** 59(164):247–53, Mar 75 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Continuous flush system for radial artery cannulation. Oh T, et al. **Anaesth Intensive Care** 4(1):29–32, Feb 76

A problem in hemodialysis management: fibromuscular dysplasia of radial and ulnar arteries—report of a case. Zucker MI, et al. **J Urol** 115(5):606–7, May 76

INJURIES

Fractures of the radial head treated by substitution with the

silastic prosthesis. Martinelli B. **Bull Hosp Joint Dis** 36(1):61–5, Apr 75
Traumatic aneurysm of the radial artery. Sterling AP, et al. **Hand** 7(3):294–6, Oct 75
Galeazzi fracture–dislocations. Mikić ZD. **J Bone Joint Surg [Am]** 57(8):1071–80, Dec 75
[Monteggia's fracture with lateral luxation of the radial head] Germain JP. **Union Med Can** 105(1):56–60, Jan 76 (Eng. Abstr.) **(Fre)**
[Pathogenesis of dislocations of the humerus and radius in defects of the upper limbs in children] Voinova LE, et al. **Ortop Travmatol Protez** (2):47–9, Feb 76 **(Rus)**

METABOLISM

Proceedings: The need for differential bone mineral standards for blacks. Mayor GH, et al. **Am J Roentgenol** 126(6):1293–7, Jun 76
Proceedings: The effect of chronic renal failure and maintenance hemodialysis on bone mineral content of the radius. Parfitt AM, et al. **Am J Roentgenol** 126(6):1292–3, Jun 76
Proceedings: Bone mineral determinations on long–term diabetics. Ringe JD, et al. **Am J Roentgenol** 126(6):1300–1, Jun 76
Proceedings: Skeletal mass in rheumatoid arthritis: a comparison with forearm bone mineral content. Zanzi I, et al. **Am J Roentgenol** 126(6):1305–6, Jun 76
Correlation of radial bone mineral content with total body calcium in chronic renal failure. Cohn SH, et al. **J Lab Clin Med** 86(6):910–9, Dec 75

PHYSIOLOGY

[Why does a forearm have two bones? (author's transl)] Kapandji A. **Ann Chir** 29(5):463–70, May 75 (Eng. Abstr.) **(Fre)**
[The method of impact studies on human ulnae and radii] Ehler E, et al. **Anat Anz** 138(1–2):1–10, 1975 **(Ger)**
[Physico–mechanical properties of the forearm bones] Ornshtein EG, et al. **Ortop Travmatol Protez** (10):45–8, Oct 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Proceedings: Concurrent x–ray photodensitometric and gamma–ray absorptiometric measurements of bone mineral in the radius in patients. Meema HE, et al. **Am J Roentgenol** 126(6):1268, Jun 76
Arthritic disorders of the adult radiocarpal joint: anatomic considerations and an evaluation of fifty consecutive abnormal cases. Resnick D. **J Can Assoc Radiol** 26(2):104–11, Jun 75

SURGERY

Giant–cell tumor of the radius treated by massive resection and tibial bone graft. Campbell CJ, et al. **J Bone Joint Surg [Am]** 57(7):982–6, Oct 75
Comparison of stainless steel and composite plates in the healing of diaphyseal osteotomies of the dog radius: report on a short term study. Coutts RE, et al. **Orthop Clin North Am** 7(1):223–9, Jan 76
[Experimental–clinical basis of 'petal–shape' osteotomy of tubular bones] Karpov SP. **Vestn Khir** 116(3):51–3, Mar 76 **(Rus)**

RADIUS FRACTURES

[Fractures of the lower end of the radius (author's transl)] Pfeiffer KM, et al. **Ther Umsch** 32(12):788–99, Dec 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Absorption of the impact energy in the palmar soft tissues. Nikolić V, et al. **Anat Embryol (Berl)** 148(2):215–21, 23 Dec 75
Management of massive defects in radius and ulna following wringer injury. A case report. Akbarnia BA, et al. **Clin Orthop** (116):167–9, May 76
A report of 3 cases of simultaneous Colles' and scaphoid fractures. Stother IG. **Injury** 7(3):185–8, Feb 76
Galeazzi fracture–dislocations. Mikić ZD. **J Bone Joint Surg [Am]** 57(8):1071–80, Dec 75
[Carpal tunnel syndrome following Colles' fracture (author's transl)] Müller M, et al. **Unfallheilkunde** 79(9):389–94, Sep 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Letter: Dog colles. Richards AJ. **Lancet** 2(7933):505, 13 Sep 75

PATHOLOGY

Quantitative histological evaluation of early fracture healing of cortical bones immobilized by stainless steel and composite plates. Akeson WH, et al. **Calcif Tissue Res** 19(1):27–37, 24 Nov 75
Fractures of the radius and ulna in children. Thomas EM, et al. **Injury** 7(2):120–4, Nov 75

REHABILITATION

[The difficulty of distal radius fracture: the patient's view (author's transl)] Stockmann U, et al. **Unfallheilkunde** 79(2):71–4, FEB 76 (Eng. Abstr.) **(Ger)**

SURGERY

Fractures of the radial head treated by substitution with the silastic prosthesis. Martinelli B. **Bull Hosp Joint Dis** 36(1):61–5, Apr 75
Küntscher intramedullary reaming and nail fixation for nonunion of the forearm. Christensen NO. **Clin Orthop** (116):215–21, May 76
Barton's fracture–dislocation of the wrist. King RE. **Curr Pract Orthop Surg** 6:133–44, 1975
Skeletal traction and cast fixation for fractures of the distal portion of the forearm. Botwin CA. **J Am Osteopath Assoc** 75(9):830–3, May 76
Improved healing of experimental long bone fractures in rabbits by delayed internal fixation. Ellsasser JC, et al. **J Trauma** 15(10):869–76, Oct 75
[Treatment of comminuted fractures of the distal end of the radius by traction using transfixing Kirschner's wires and plaster cast] Cartier P, et al. **Rev Chir Orthop** 61(6):517–31, Sep 75 (Eng. Abstr.) **(Fre)**
[Problem of the surgical treatment of radius head and olecranon fractures (5–year report from the point of view of a district hospital)] Kopp P. **Beitr Orthop Traumatol** 22(9):483–94, Sep 75 **(Ger)**
[Therapy of the over–extension fracture of the distal radius] Sarvestani M, et al. **Hefte Unfallheilkd** (121):61–3, 1975 **(Ger)**
[Percutaneous reduction of fractures of the neck of the radium in children by means of a steinmann nail (author's transl)] Fasol P, et al. **Wien Klin Wochenschr** 88(4):135–8, 20 Feb 76 (Eng. Abstr.) **(Ger)**
[Substitutive surgery of the proximal end of the radius with an endoprosthesis] Martinelli B. **Chir Organi Mov** 62(2):181–91, 1975 (Eng. Abstr.) **(Ita)**
[Complications of compression–distraction method of the treatment of fractures of the limbs] Kaplan AV, et al. **Khirurgiia (Mosk)** (4):115–9, Apr 75 **(Rus)**
[Errors and complications in treatment of close diaphyseal fractures of the forearm bones] Beliakov AA, et al. **Ortop Travmatol Protez** (10):52–3, Oct 75 **(Rus)**
[Surgical treatment in certain epimetaphyseal fractures in the region of elbow joint] Novikov NV, et al. **Ortop Travmatol Protez** (2):40–1, Feb 76 **(Rus)**
[Remote results of the treatment of fractures of the distal portion of the bones of the forearm] Sekretov NA. **Vestn Khir** 114(4):93–5, Apr 75 (Eng. Abstr.) **(Rus)**
[Osteosynthesis with bone screws in closed oblique and screw–like fractures of the long tubular bones] Tkachenko SS, et al. **Vestn Khir** 114(5):91–5, May 75 (Eng. Abstr.) **(Rus)**
[Treatment of pseudarthrosis of the radius] Zatsepin SI, et al. **Vestn Khir** 116(5):115–6, May 76 **(Rus)**

THERAPY

The importance of the ulnar side of the wrist in fractures of the distal end of the radius. Hollingsworth R, et al. **Injury** 7(4):263–6, May 76

VETERINARY

Orthopedic problem. Hurov L. **Can Vet J** 16(10):315–6, Oct 75
Repair of fractured radius and ulna in a brown bat. Northway RB. **Vet Med Small Anim Clin** 70(8):952, Aug 75

RADON

Size distribution of radon daughter particles in uranium mine atmospheres. George AC, et al. **Am Ind Hyg Assoc J** 36(6):484–90, Jun 75
Letter: Need for standards for natural airborne radioactivity (radon and daughters) concentrations in modern buildings. Caruthers LT, et al. **Health Phys** 29(5):814–7, Nov 75
Effective diffusion coefficient of radon in concrete, theory and method for field measurements. Culot MV, et al. **Health Phys** 30(3):263–70, Mar 76
Prediction of increased gamma fields after application of a radon barrier on concrete surfaces. Culot MV, et al. **Health Phys** 30(6):471–8, Jun 76
Exploratory study of the use of TSEE dosimeters in radon monitoring. Gamage RB, et al. **Health Phys** 30(1):145–8, Jan 76
Occupational radiation exposure due to 222Rn in natural gas and natural gas products. Gesell TF. **Health Phys** 29(5):681–7, Nov 75
Letter: Radiation from smoke detectors. Goodman J. **N Engl J Med** 294(8):448, 19 Feb 76
[Influence of radon baths at the Belokurikh health resort on the functional state of the adrenals of white rats] Shorin IuP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):364–6, Jul–Aug 75 **(Rus)**
[Treatment of psoriasis with radon baths at Zhitomir Springs] Skliarov VI. **Vrach Delo** (9):103–5, Sep 75 **(Rus)**

ADMINISTRATION & DOSAGE

The role of interstitial sources in radiotherapy. Collins VP, et al. **South Med J** 68(10):1223–30, Oct 75
[Value of the internal use of radon water for the purpose of increasing therapeutic effectiveness] Tsarfis PG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):563–5, Nov–Dec 75 **(Rus)**

ADVERSE EFFECTS

On the evaluation of Po–210 bioassay for uranium mine workers in Japan for the personal exposure index to radon daughters. Okabayashi H, et al. **J Radiat Res (Tokyo)** 16(2):142–51, Jun 75

ANALYSIS

Gamma–ray emitters in concrete. Lloyd RD. **Health Phys** 31(1):71–3, JUL 76
Long–term measurements of 222Rn, 220Rn, 214Pb and 212Pb concentrations in the air of private and public buildings and their dependence on meteorological parameters. Steinhäusler F. **Health Phys** 29(5):705–13, Nov 75
[Determination of actinon in the air in the presence of other emanations] Andreeva OS. **Gig Sanit** (3):71–4, Mar 76 **(Rus)**
[Units of measurement for the quantity and concentration of radon] Iasnogorodskii VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):204–8, May–Jun 75 **(Rus)**

CLASSIFICATION

[Basic types of radon waters of the USSR, their distribution and genesis] Elmanova NM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):198–204, May–Jun 75 **(Rus)**

METABOLISM

Fractional radon retention in bone. Mays CW, et al. **Health Phys** 29(5):761–5, Nov 75
[The thoron content (Tn220) of the air expired by rats after intratracheal administration of thoron compounds] Pavlovskaia NA, et al. **Gig Sanit** (10):45–8, Oct 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Time function of corticosteroid levels in the blood plasma of rats under the influence of 222Rn inhalation. Paletta B, et al. **Experientia** 32(5):652–3, 15 May 76
[Effect of radon inhalation on serum gonadotropin and estrogen levels in postmenopausal women] Halawa B. **Pol Tyg Lek** 31(8):301–4, 23 Feb 76 (Eng. Abstr.) **(Pol)**
[Dynamics of the morphofunctional changes in lymph node mast cells and the blood heparin indices in white rats under the influence of radon baths] Meleshina OB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):220–2, May–Jun 75 **(Rus)**

THERAPEUTIC USE

[Combined radon– and hyperthermia treatment of ankylopoietic spondylarthritis in the thermal tunnels Böckstein–Badgastein] pp. 75–84. Sandri B. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973. (Ger)**
[Radon waters of the Soviet Union and their balneological importance] Danilov IuE. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):193–8, May–Jun 75 **(Rus)**
[Mechanism of the therapeutic action of radon baths of different concentrations in patients with lumbosacral radiculitis] Olefirenko VT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):209–14, May–Jun 75 **(Rus)**
[Clinico–pathogenetic basis of radon therapy of rheumatism with mineral activity of the process] Pshetakovskil IL. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):414–21, Sep–Oct 75 **(Rus)**
[Dynamics of the functional state of the parenchymal cells of the liver in patients with gout and deforming osteoarthritis under the influence of radon baths and their combination sith electrosleep (according to the data of radiohepatography with Bengal red–I131)] Ryzhkin AI. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):514–7, Nov–Dec 75 **(Rus)**
[Use of radon baths of different concentrations in osteoarthritis deformans] Tsarfis PG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):214–9, May–Jun 75 **(Rus)**

RAFFINOSE see under **OLIGOSACCHARIDES**

RAFOXANIDE see under **SALICYLAMIDES**

RAGE see under **ANGER**

RAILLIETINA see under **CESTODA**

RAILROADS

Aircraft–type crash injury investigation of a commuter train collision. Braden GE. **Aviat Space Environ Med** 46(9):1157–60, Sep 75
Death rates among the Italian railroad employees, with special reference to coronary heart disease and physical activity at work. Menotti A, et al. **Environ Res** 11(3):331–42, Jun 76
Human factors analysis of the diesel–electric locomotive cab. Gamst FC. **Hum Factors** 17(2):149–56, Apr 75
Death on the railway. Murphy GK. **J Forensic Sci** 21(1):218–26, Jan 76
Incidence of near accidental drowsing in locomotive driving during a period of rotation. Kogi K, et al. **J Hum Ergol (Tokyo)** 4(1):65–76, Sep 75

The work of the Railway Inspectorate. McNaughton IK. **Med Leg J** 43(2):39–52, 1975

Visual standards railway staff. Newnham CT. **Proc R Soc Med** 69(1):69–70, Jan 76

[A railway accident a hundred years ago as reason for systematic testing of colour vision (author's transl)] Frey FG. **Klin Monatsbl Augenheilkd** 167(1):125–7, Jul 75 **(Ger)**

[Hygienic and sanitary documentation in the State Railroad Service] Melino C, et al. **Med Lav** 66(5):450–2, Sep–Oct 75 **(Ita)**

[Microclimate conditions in the steering cabins of locomotives. I. Winter period] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(2–3):126–50, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

[Microclimate conditions in the steering cabins of locomotives. II. Summer period] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(2–3):151–9, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

[Study on the vibration of the steering cabins in locomotives] Melino C, et al. **Nuovi Ann Ig Microbiol** 26(4):238–46, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Noise in the steering cabins of the locomotives] Melino C, et al. **Nuovi Ann Ig Microbiol** 26(4):216–37, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Tele-electrocardiographic recording of arrhythmia in a locomotive driver during a thunderstorm] Sadowski Z. **Kardiol Pol** 19(1):81–5, 1976 (Eng. Abstr.) **(Pol)**

[Communal hygiene tasks in the construction of the Baikal–Amur main line] Narkevich MI, et al. **Gig Sanit** (3):53–6, Mar 76 **(Rus)**

[Sanitary-hygienic evaluation of the circulating water supply on railroads] Ovchinkin IP, et al. **Gig Sanit** (8):85–6, Aug 75 **(Rus)**

[Current hygienic problems in the construction of the Baikal–Amur main line] Prokhorov AA, et al. **Gig Sanit** (2):3–6, Feb 75 **(Rus)**

[Hygienic standardization of factors of the external environment in locomotive cabins and cars] Prokhorov AA, et al. **Gig Sanit** (11):40–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Experience in using Eleutherococcus for raising the level of the color discrimination function in railroad engineers] Sosnova TL, et al. **Gig Sanit** (6):108–10, Jun 76 **(Rus)**

[Dynamics of the differential sensitivity of the afferent, sensory systems in railroad traffic controllers] Akhmedov TI. **Gig Tr Prof Zabol** (3):11–4, Mar 76 (Eng. Abstr.) **(Rus)**

[State of the hearing function in conductors on all-metal railroad cars] Ostapkovich VE, et al. **Gig Tr Prof Zabol** (7):49–51, Jul 75 **(Rus)**

[Study of the ticks of Kazachinsko-Lenskoye and Northern Baikal Districts in the western portion of the Baikal–Amur mainline] Eropov VI, et al. **Med Parazitol (Mosk)** 45(3):29–47, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Industrial traumatism among the railwaymen and ways of its reduction] Kazakov VI. **Ortop Travmatol Protez** (5):45–9, May 75 (Eng. Abstr.) **(Rus)**

[Medical examination of locomotive teams before trips] Prokhorov AA, et al. **Sov Zdravookhr** (9):13–6, 1975 (Eng. Abstr.) **(Rus)**

[Organization of medical and health support for construction workers in the western portion of the Baikal–Amur mainline during the period of the expansion of operations] Sedov KR, et al. **Sov Zdravookhr** (7):21–5, 1975 (Eng. Abstr.) **(Rus)**

[Criteria of the risk of injury of the acoustic analyzer in workers of locomotive brigades] Ostapkovich VE, et al. **Vestn Otorinolaringol** (2):24–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Outfit for installing hospital litters in covered freight cars] Kapitonov GI, et al. **Voen Med Zh** (10):77, Oct 75 **(Rus)**

[Ways of improving surgical service to railwaymen with acute diseases of the abdominal organs] Stezhkovoĭ VK. **Vrach Delo** (1):150–2, Jan 74 **(Rus)**

[Morbidity with temporary disability among workers of monotypical enterprises in connection with working conditions (data on locomotive engineers of the railroad transport)] Mel'nikov AI. **Zdravookhr Ross Fed** (8):20–3, Aug 75 **(Rus)**

[Effectiveness of pre-journey medical examinations of the locomotive operator team] Prokhorov AA, et al. **Zdravookhr Ross Fed** (12):24–7, Dec 75 **(Rus)**

[Method of study of hearing function in railway locomotive engineers] Ostapkovich VE, et al. **Zh Ushn Nos Gorl Bolezn** (2):59–62, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

HISTORY

[Strike committees and medical aid for the railroad workers in 1905–1907] Borodiĭ NK. **Sov Zdravookhr** (7):65–9, 1975 **(Rus)**

RAIN see under **WEATHER**

RANA

On the atomic or 'local' contributions to proton chemical shifts due to the anisotropy of the diamagnetic susceptibility of the nucleic acid base. Giessner-Prettre C, et al. **Biochem Biophys Res Commun** 70(2):578–81, 17 May 76

ANATOMY & HISTOLOGY

The ultrastructure of taste and touch receptors of the frog's taste organ. Düring MV, et al. **Cell Tissue Res** 165(2):185–98, 26 Jan 76

The satellite cells of normal anuran skeletal muscle. Trupin GL. **Dev Biol** 50(2):517–24, Jun 76

Seasonal variation in the structure & function of testis & thumb pad in the frog Rana tigrina (Daud.). Saidapur SK, et al. **Indian J Exp Biol** 13(5):432–8, Sep 75

Isolated retinal cells of some lower vertebrates. Anctil M, et al. **Rev Can Biol** 32(2):107–19, Jun 73

Quantity and topography of frog's retinal ganglion cells. Kalinina AV. **Vision Res** 16(9):929–34, 1976

EMBRYOLOGY

Isozymes and morphology of five amphibian hybrid embryo combinations which develop beyond gastrulation. Elinson RP. **Can J Zool** 53(8):993–1003, Aug 75

[The ultrastructure of the primary ureter and of the mesonephritic blastema before its differentiation in Rana dalmatina (Amphibia, Anuran)] Delbos M. **C R Acad Sci [D] (Paris)** 280(7):893–5, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Ultrastructure of the embryonic and larval sub-aortic blastema of Rana dalmatine (Amphibia, Anuran)] Delbos M, et al. **C R Acad Sci [D] (Paris)** 280(8):1003–5, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of the differentiation of the mesonephrogenic blastema cultivated in vitro in the presence of the primary ureter in the frog, Rana dalmatina Bon.] Grassé MP. **C R Acad Sci [D] (Paris)** 282(1):101–4, 5 Jan 76 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Changes in the response to oxytocin followed throughout ontogenesis in two anuran species. Goldenberg S, et al. **Comp Biochem Physiol [C]** 53(2):105–13, 1976

[Exometabolic regulation of the growth rate of amphibian larvae] Piastolova OA, et al. **Dokl Akad Nauk SSSR** 223(2):475–6, 11 Jun 75 **(Rus)**

[Effect of the conditions of existence of amphibian larvae on their growth, development and genetic composition of this year's brood] Pikulik MM. **Dokl Akad Nauk SSSR** 228(3):756–9, 21 Jun 76 **(Rus)**

[Possibility of isolating regulatory exometabolites by lyophilization of the aquenous medium from a 'dense' population of tadpoles] Runkova GG, et al. **Dokl Akad Nauk SSSR** 223(5):1241–4, 11 Aug 75 **(Rus)**

METABOLISM

Time course of uptake, elimination, and tissue levels of (14C)DDT in wood-frog tadpoles. Licht LE. **Can J Zool** 54(3):355–60, Mar 76

Genetic control of LDH isozymes in the Rana esculenta complex. Vogel P, et al. **Experientia** 32(3):304–7, 15 Mar 76

Gamma amino butyric acid as a function of cold acclimation in the brain of frog. Nayeemunnisa, et al. **Indian J Biochem Biophys** 12(2):197–8, Jun 75

[Amino acid composition of protein substances in the 'accumulation water' of amphibian larvae] Stepanova EL. **Dokl Akad Nauk SSSR** 225(6):1426–9, 21 Dec 75 **(Rus)**

PARASITOLOGY

Studies on osmoregulation in three trematodes of Rana tigrina. Rao LN. **Indian J Exp Biol** 14(1):61–3, Jan 76

[Opisthorchis lomeensis n. sp., biliary fluke of the amphibian Aubria subsigillata in Togo] Bourgat R, et al. **Ann Parasitol Hum Comp** 50(3):297–301, May–Jun 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Effects of gestyl on the ovary of Rana ridibunda pallas. Baid IC, et al. **Acta Biol Acad Sci Hung** 25(4):319–21, 1974

Vasotocin-like activity in the plasms of the euryhaline frog (Rana cancrivora) after transfer from fresh water to saline. Elliott AB, et al. **J Endocrinol** 66(3):427–34, Sep 75

NaCl adaptation in Rana ridibunda and a comparison with the euryhaline toad Bufo viridis. Katz U. **J Exp Biol** 63(3):763–73, Dec 75

Fertilization of green frog (Rana clamitans) eggs in their native jelly by bullfrog (Rana catesbeiana) sperm. Elinson RP. **J Exp Zool** 193(3):419–23, Sep 75

[Influence of the saccule in vestibular tilting reaction in frogs (Rana occipitalis)] Samaké A. **C R Soc Biol (Paris)** 169(1):209–13, 1975 (Eng. Abstr.) **(Fre)**

[New data characterizing the ecologo-physiological specificity of Arctic amphibia] Piastolova OA, et al. **Dokl Akad Nauk SSSR** 223(1):216–7, Jul–Aug 75 **(Rus)**

RANA CATESBEIANA

Biochemical and histological changes in the respiratory system of Rana catesbeiana larvae during normal and induced metamorphosis. Atkinson BG. **Dev Biol** 45(1):151–65, Jul 75

A thermosensitive property of bullfrog rhodopsin. Sillman AJ. **Vision Res** 16(4):419–20, 1976

The green rod pigment of the bullfrog. Sillman AJ. **Vision Res** 16(4):421–4, 1976

[Photosensitive substances in the pineal complex of anuria] Hartwig HG. **Verh Anat Ges** 69:439–41, 1975 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Stability of implanted duplicate tectal positional markers serving as targets for optic axons in adult frogs. Jacobson M, et al. **Brain Res** 92(3):468–71, 18 Jul 75

Topological analysis of the brain stem of the frogs Rana esculenta and Rana catesbeiana. Opdam R, et al. **J Comp Neurol** 165(3):307–32, 1 Feb 76

Unmyelinated preganglionic fibers in frog ventral roots. Vance WH, et al. **J Comp Neurol** 164(1):117–25, 1 Nov 75

BLOOD

Continuous recording and quantification of selective blood distribution in the amphibian Rana catesbeiana. Meyers RS, et al. **Comp Biochem Physiol [A]** 54(3):359–63, 1976

The life span of red blood cells in the amphibian larvae, Rana catesbeiana. Forman LJ, et al. **Dev Biol** 50(2):537–40, Jun 76

Hemoglobins of the tadpole of the bullfrog, Rana catesbeiana. Temperature dependence of oxygen binding and pH dependence of subunit dissociation. Araki T, et al. **J Biol Chem** 251(14):4254–8, 25 Jul 76

EMBRYOLOGY

Changes in serum lipoproteins during metamorphosis of the bullfrog. Rana catesbeiana. Nagano H, et al. **Dev Biol** 46(2):413–7, Oct 75

The accumulation of basic nonhemoglobin proteins during the differentiation of primitive (embryonic) red cells of amphibia. Theil EC. **Dev Biol** 46(2):343–8, Oct 75

Amphibian metamorphosis: the role of thyrotropin-like hormone. Eddy L, et al. **Gen Comp Endocrinol** 29(3):333–6, Jul 76

GROWTH & DEVELOPMENT

Golgi studies of cerebellar maturation in frog tadpoles. Gona AG. **Brain Res** 95(1):132–6, 12 Sep 75

Effect of phenylhydrazine on the multiple hemoglobins of Rana catesbeiana tadpoles. Deutsch MJ, et al. **Dev Biol** 46(1):227–31, Sep 75

Autoradiographic studies of cerebellar histogenesis in the bullfrog tadpole during metamorphosis: the external granular layer. Gona AG. **J Comp Neurol** 165(1):77–87, 1 Jan 76

IMMUNOLOGY

Lymphoid organs and amphibian immunity. Brown BA, et al. **Adv Exp Med Biol** 64:267–75, 1975

Structure and immunological function of lymphomyeloid organs in the bullfrog, Rana catesbeiana. Minagawa Y, et al. **Adv Exp Med Biol** 64:257–66, 1975

Immunity in the developing amphibian. Pross SH, et al. **Adv Exp Med Biol** 64:373–82, 1975

Immunoglobulins in ranid frogs and tadpoles. Steiner LA, et al. **Adv Exp Med Biol** 64:173–83, 1975

Immunological dichotomy in the larval bullfrog spleen. Brown BA, et al. **Immunology** 30(2):299–305, Feb 76

Humoral immune responses in Rana catesbiana frogs and tadpoles. Pross SH, et al. **J Exp Zool** 197(1):97–104, Jul 76

Low molecular weight immunoglobulins in Rana catesbeiana tadpoles. Green C, et al. **J Immunol** 117(2):375–80, Aug 76

Isolation and preliminary characterization of two varieties of low molecular weight immunoglobulin in the bullfrog, Rana catesbeiana. Green C, et al. **J Immunol** 117(2):364–74, Aug 76

IgM the secretory immunoglobulin of reptiles and amphibians. Portis JL, et al. **Nature** 258(5535):547–8, 11 Dec 75

METABOLISM

Changes in amino acid uptake and protein synthesis of bullfrog tadpole liver and tail tissues during triiodothyronine-induced metamorphosis. Kistler A, et al. **Dev Biol** 46(1):151–9, Sep 75

Binding by thyroid hormones by nuclei of cells from bullfrog tadpole tail fins. Yoshizato K, et al. **Endocrinology** 97(4):1030–5, Oct 75

Absence of high-affinity low-capacity components of T4-binding sites in the cytosol of the bullfrog tadpole. Yoshizato K, et al. **Gen Comp Endocrinol** 29(4):468–72, Aug 76

DNA synthesis and turnover in the bullfrog tadpole during metamorphosis. VanDenbos G, et al. **J Biol Chem** 251(13):4111–4, 10 Jul 76

Coelomic fluid and blood serum proteins of the metamorphosing bullfrog tadpole. Thronburg KL, et al. **J Exp Zool** 193(2):249–56, Aug 75

PHYSIOLOGY

Multiday recordings from the primary neurons of the statoreceptors of the labyrinth of the bull frog. The effect of an extended period of 'weightlessness' on the rate of firing at rest and in response to stimulation by brief periods of centrifugation (OFO-A orbiting experiment). Bracchi F, et al. **Acta Otolaryngol [Suppl] (Stockh)** (334):1–27, 1975

Importance of pulmonary ventilation in respiratory control

in the bullfrog. Gottlieb G, et al. **Am J Physiol** 230(3):608–13, Mar 76

Hemodynamic consequences of delayed ventriculoconal conduction in the frog Rana catesbeiana. Liberthson RR, et al. **Am J Physiol** 229(4):1085–93, Oct 75

Effects of hormones on tail regeneration and regression in Rana catesbeiana tadpoles. Li CW, et al. **Gen Comp Endocrinol** 29(3):376–82, Jul 76

Electrophysiological evidence for a topographical projection of the nasal mucosa onto the olfactory bulb of the frog. Costanzo RM, et al. **J Antimicrob Chemother** 2(2):297–312, Jun 76

Fertilization of green frog (Rana clamitans) eggs in their native jelly by bullfrog (Rana catesbeiana) sperm. Elinson RP. **J Exp Zool** 193(3):419–23, Sep 75

Membrane resistance change of the frog taste cells in response to water and Nacl. Sato T, et al. **J Gen Physiol** 66(6):735–63, Dec 75 (55 ref.)

Isolation and characterization of luteinizing hormone from amphibian (Rana catesbeiana) pituitaries. Papkoff H, et al. **Life Sci** 18(2):245–50, 15 Jan 76

Otolith-controlled responses from the first-order neurons of the labyrinth of the bullfrog (Rana catesbeiana) to changes in linear acceleration. Lowenstein O, et al. **Proc R Soc Lond [Biol]** 191(1105):475–505, 16 Dec 75

[Proceedings: Responses of lateral line organs to various heavy metal ions] Nakagawa K, et al. **J Physiol Soc Jpn** 36(8–9):315–6, 1 Sep 74 **(Jpn)**

RANA ESCULENTA

ANATOMY & HISTOLOGY

Cilia-forming potentials of endocrine organs originating from the foregut. Kapa E, et al. **Acta Anat (Basel)** 95(3):444–51, 1976

Proceedings: The brain stem of the axolotl Ambystoma mexicanum and the frog Rana esculenta. Opdam P. **Acta Morphol Neerl Scand** 13(4):307, Dec 75

An analysis of muscle weight variations in the hindlimbs of Rana esculenta. van der Stelt A, et al. **Anat Embryol (Berl)** 147(3):225–41, 25 Sep 75

Topological analysis of the brain stem of the frogs Rana esculenta and Rana catesbeiana. Opdam R, et al. **J Comp Neurol** 165(3):307–32, 1 Feb 76

[The junctions of the sinoatrial fascicle in frogs] Mazet F. **C R Acad Sci [D] (Paris)** 280(25):2873–6, 30 Jun 75 (Eng. Abstr.) **(Fre)**

[Seasonal changes in the ultrastructure of Leydig cells in Rana esculenta] Schulze C. **Verh Anat Ges** 68:255–9, 1974 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Observations on the ultrastructure of the chromaffin cells of Rana esculenta during embryonal development and metamorphosis] Accordi F, et al. **Riv Biol** 38(3):135–63, Jul–Sep 75 **(Ita)**

GROWTH & DEVELOPMENT

Appearance of sex hormone receptors in frog (Rana esculenta) tadpole skin during metamorphosis. Chieffi G, et al. **Experientia** 31(8):989–90, 15 Aug 75

IMMUNOLOGY

Primary cellular and humoral immune response in frogs (Rana esculenta). Csákó G, et al. **Acta Biol Acad Sci Hung** 25(3):159–65, 1974

METABOLISM

Mitochondria-rich cells of frog skin in transport mechanisms: morphological and kinetic studies on transepithelial excretion of methylene blue. Ehrenfeld J, et al. **Am J Physiol** 231(1):120–6, Jul 76

Methods for the study of metabolism of toxic and persistent chemicals in aquatic organisms as exemplified by chloronaphthalenes. pp. 177–88. Sundström G, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (22 ref.)

[Characterization and study of the origin of melanins isolated from the liver and skin of Rana esculenta L] Corsaro C, et al. **Boll Soc Ital Biol Sper** 51(22):1663–9, 30 Nov 75 **(Ita)**

[Changes in the activity of adrenal glands in Rana esculenta during the annual cycle: metabolism of corticosterone–4–14 c in the adrenal glands and determination of aldosterone and cortisol in the plasma] Gobbetti A, et al. **Boll Soc Ital Biol Sper** 51(21):1511–7, 15 Nov 75 **(Ita)**

PHYSIOLOGY

Effect of melatonin-like substances on the hormone reception of pigment cells in amphibians. Kapa E, et al. **Acta Biol Acad Sci Hung** 25(4):299–306, 1974

The function of fat bodies in relation to the hypothalamo-hypophyseal-gonadal axis in the frog, Rana esculenta. Chieffi G, et al. **Cell Tissue Res** 161(2):157–65, 18 Aug 75

Regulation of the aldosterone secretion in the frog Rana esculenta L. Dupont W, et al. **Gen Comp Endocrinol** 29(1):51–60, May 76

The implication of ribonucleic acids in oviduct growth in the green frog, Rana esculenta. Polzonette-Magni A, et al. **Gen Comp Endocrinol** 28(1):96–9, Jan 76

Some observations on the hormonal control of melanophores in the skin of the green frog Rana esculenta L. Saxena PK. **Indian J Exp Biol** 14(1):31–3, Jan 76

Influence of receptor-receptor fibres on the spontaneous afferent activity from semicircular canals in the frog (Rana esculenta). Caston J, et al. **Pfluegers Arch** 358(1):81–8, 9 Jul 75

A schematic dioptric apparatus for the frog's eye (Rana esculenta). du Pont JS, et al. **Vision Res** 16(8):803–10, 1976

Colour discrimination functions of the frog optic tectum (Rana esculenta). Scheibner H, et al. **Vision Res** 15(11):1175–80, Nov 75

[Double central projection of VIIIth cranial nerve in the frog (Rana esculenta L.)] Pinard J. **C R Soc Biol (Paris)** 169(1):194–8, 1975 (Eng. Abstr.) **(Fre)**

[Preliminary studies on the presence of endogenous rhythm in the oviduct of Rana esculenta] Bellini-Cardellini L, et al. **Boll Soc Ital Biol Sper** 51(21):1506–10, 15 Nov 75 **(Ita)**

[The erythropoietic activity of the spleen of Rana esculenta, in the adult and during metamorphosis] Degli Esposti AM, et al. **Boll Soc Ital Biol Sper** 51(24):1891–7, 30 Dec 75 **(Ita)**

[Nature of urea transport through the baso-lateral membrane of the urinary bladder of Rana esculenta] Micelli S, et al. **Boll Soc Ital Biol Sper** 51(19):1234–9, 15 Oct 75 **(Ita)**

RANA PIPIENS

Fluorescent cytochemistry of calid and algid normal and Lucké tumor-bearing kidneys. Harrison FW, et al. **Acta Histochem (Jena)** 54(2):295–306, 1975

Site of sperm entry and a cortical contraction associated with egg activation in the frog Rana pipiens. Elinson RP. **Dev Biol** 47(2):257–68, Dec 75

Observations on the role of simuliids and culicids in the transmission of avian and anuran trypanosomes. Desser SS, et al. **Int J Parasitol** 5(5):507–9, Oct 75

ANATOMY & HISTOLOGY

Ultrastructure of the stellate cell in the pars intermedia of the frog, Rana pipiens. Perryman EK. **Cell Tissue Res** 164(3):387–99, 10 Dec 75

Ultrastructural aspects of Golgi complex function in parathyroid cells of winter and summer frogs. pp. 399–407. Dougherty WJ. **In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.**

BLOOD

Serum thyroxine concentrations in the pacific hagfish and lamprey and in the leopard frog. Packard GC, et al. **Gen Comp Endocrinol** 28(3):365–7, Mar 76

EMBRYOLOGY

Localization of thymocyte stem cell precursors in the pharyngeal endoderm of early amphibian embryos. Turpen JB, et al. **Cell Immunol** 24(1):100–15, 1 Jun 76

The development of the retino-tectal projection in Rana pipiens. Currie J, et al. **Dev Biol** 46(1):103–19, Sep 75

Inhibition of respiration and of respiratory development by different doses of chloramphenicol in frog embryos (Rana pipiens). Lamy L, et al. **Experientia** 31(11):1341–3, 15 Nov 75

Respiratory inhibition and reversible fusion of frog blastomeres. Mounts P, et al. **Experientia** 31(11):1343–5, 15 Nov 75

Regeneration in haploid tissue in Rana pipiens embryos. Pogany GC, et al. **Experientia** 32(2):233–4, 15 Feb 76

The effect of ablation of the olfactory pits on the development of the habenular nuclei in Rana pipiens. Norris BK, et al. **J Embryol Exp Morphol** 34(3):657–67, Dec 75

IMMUNOLOGY

Thymus: central role in the immune system of the frog. Volpe EP, et al. **Science** 190(4219):1101–3, 12 Dec 75

METABOLISM

Chloride transport across isolated skin of Rana pipiens. Alvarado RH, et al. **Am J Physiol** 229(3):869–76, Sep 75

Chloride balance in Rana pipiens. Alvarado RH, et al. **Am J Physiol** 229(3):861–8, Sep 75

The monoaminergic innervation of the telencephalon of the frog, Rana pipiens. Parent A. **Brain Res** 99(1):35–47, 28 Nov 75

Frog lysozyme. II. Isozymes of lysozyme during the larval development of the leopard frog, Rana pipiens. Ostrovsky DS, et al. **Dev Biol** 50(1):182–6, May 76

Gonadotropin-stimulated uptake of steroid hormones by Rana pipiens ovarian follicles incubated in vitro. Snyder BW, et al. **Gen Comp Endocrinol** 27(4):465–74, Dec 75

Methods for the study of metabolism of toxic and persistent chemicals in aquatic organisms as exemplified by chloronaphthalenes. pp. 177–88. Sundström G, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (22 ref.)

Frog lysozyme. I. Its identification, occurrence as isozymes, and quantitative distribution in tissues of the leopard frog, Rana pipiens. Ostrovsky DS, et al. **J Exp Zool** 195(2):279–90, Feb 76

PARASITOLOGY

The life cycle of Haematoloechus coloradensis Cort 1915 (Digenea: Plagiorchiidae), with emphasis on host susceptibility to infection. Dronen NO Jr. **J Parasitol** 61(4):657–60, Aug 75

PHYSIOLOGY

Reversibility of effects of very hypotonic fluids on in vitro frog gastric mucosa: a functional and morphological study. Helander HF, et al. **Acta Physiol Scand** 95(4):353–63, Dec 75

Mitogens as probes of lymphocyte heterogeneity in anuran amphibians. Goldstine SN, et al. **Adv Exp Med Biol** 64:343–51, 1975

Action of aldosterone on frog skin in the presence and absence of in vitro molting effects. Lang MA, et al. **Biochim Biophys Acta** 401(3):481–5, 2 Sep 75

Spatial and temporal organization of the binocular input to frog optic tectum. Raybourn MS. **Brain Behav Evol** 11(3–4):161–78, 1975

The effect of prolactin on color and skin pteridines in the frog, Rana pipiens. Brown PS. **Gen Comp Endocrinol** 28(4):426–33, Apr 76

Correlation between blood level of androgens and sexual behavior in male leopard frogs, Rana pipiens. Wada M, et al. **Gen Comp Endocrinol** 29(1):72–7, May 76

The influence of environmental lighting on the amphibian pars intermedia: receptors and possible pathways. Dawson DC. **Int J Biometeorol** 19(4):246–54, Dec 75

The initiation of diving apnoea in the frog, Rana pipiens. West NH, et al. **J Exp Biol** 64(1):25–38, Feb 76

Membrane resistance change of the frog taste cells in response to water and Nacl. Sato T, et al. **J Gen Physiol** 66(6):735–63, Dec 75 (55 ref.)

RANA TEMPORARIA

[Photosensitive substances in the pineal complex of anuria] Hartwig HG. **Verh Anat Ges** 69:439–41, 1975 (Eng. Abstr.) **(Ger)**

[Choleragenic intoxication in hydrobionts] Avtsyn AP, et al. **Biull Eksp Biol Med** 80(12):47–50, Dec 75 (Eng. Abstr.) **(Rus)**

[Interrelationship between biochemical and physiological indices of skeletal muscles in the frog Rana temporaria] Dobrynina OV, et al. **Zh Evol Biokhim Fiziol** 11(5):551–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The structure of the rhombencephalic roof in the frog. Brocklehurst G. **Acta Neurochir (Wien)** 35(1–3):205–14, 1976

New observations on aminergic hypothalamo-hypophysial tracts in Rana temporaria. Prasada Rao PD. **Verh Anat Ges** 69:563–7, 1975

[The morphology of the endocrine portion of the amphibian pancreas] Iaglov VV. **Arkh Anat Gistol Embriol** 70(3):73–8, Mar 76 (Eng. Abstr.) **(Rus)**

[Axonal composition of the marginal and basal optic tracts of the grass frog] Vinogradova VM, et al. **Neirofiziologiia** 8(1):54–61, 1976 (Eng. Abstr.) **(Rus)**

[Distribution of three types of muscle fiber in the skeletal muscles of Rana temporaria frogs (according to histochemical findings)] Skorobovichuk NF, et al. **Zh Evol Biokhim Fiziol** 12(2):148–53, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Changes in acid mucopolysaccharides during the development of the frog Rana temporaria. Höglund LR, et al. **Acta Embryol Exp (Palermo)** (1):63–79, 1976

[Morphological differentiation of the retina of the eye of Rana temporaria L. tadpoles during the prometamorphosis period] Balaian KS. **Biol Nauki** (7):15–9, 1975 **(Rus)**

[Functional differentiation of the retinal photoreceptors of grass frog tadpoles during early prometamorphosis] Balaian KS. **Biol Nauki** (9):24–30, 1975 **(Rus)**

[Cell population kinetics during retinal histogenesis in Rana temporaria frogs] Sinitsina VF. **Ontogenez** 6(4):402–7, 1975 (Eng. Abstr.) **(Rus)**

[Cell population kinetics during retinal histogenesis in Rana temporaria frogs] Sinitsina VF. **Ontogenez** 6(4):402–7, 1975 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Influence of D-penicillamine and beta-aminopropionitril on the metamorphosis of Rana temporaria. Friedrich L, et al. **Arch Toxicol (Berl)** 35(3):181–5, 8 Jun 76

Aspects of tail muscle ultrastructure and its degeneration in Rana temporaria. Fox H. **J Embryol Exp Morphol** 34(1):191–207, Aug 75

METABOLISM

[A radioautographic study of changes in the intensity of total protein synthesis in the limb tissues of anuran amphibia during loss of regenerating capacity] Cherkasova LV. **Ontogenez** 6(2):190–4, 1975 (Eng. Abstr.) **(Rus)**

[A radioautographic study of changes in the intensity of total

protein synthesis in the limb tissues of anuran amphibia during loss of regenerating capacity] Cherkasova LV. **Ontogenez** 6(2):190–4, 1975 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Ultrastructure of the tegumnet of the slow-growing larva of Polystoma integerrimun (Frohlich 1798). Evolutionary significance] Dupouy MJ. **C R Acad Sci [D] (Paris)** 281(23):1847–50, 15 Dec 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Proceedings: Binocular visual neurones in the frog thalamus. Keating MJ, et al. **J Physiol (Lond)** 258(2):69P–70P, Jun 76

Olfactory orientation in frogs. Müller K, et al. **Naturwissenschaften** 63(1):49–50, Jan 76

Variation in the lambdamax of rhodopsin from individual frogs. Bowmaker JK, et al. **Vision Res** 15:997–1003, Aug–Sep 75

Kinetics of long-lived rhodopsin photoproducts in the frog retina as a function of the amount bleached. Donner KO, et al. **Vision Res** 15:985–95, Aug–Sep 75

[Dedifferentiation during amphibian limb regeneration and sources of formation of the regenerating blastema] Polezhaev LV. **Dokl Akad Nauk SSSR** 225(5):1225–7, 11 Dec 75 **(Rus)**

[Nuclear structures at late stages of Rana temporaria oogenesis. II. Autoradiographic data] Parfenov VN, et al. **Tsitologiia** 17(11):1263–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Selective blockade of evoked potential components in the tectum of Rana temporaria frogs during polarization of the optic nerve Margolis SE. **Zh Evol Biokhim Fiziol** 12(3):299–301, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Circadian cycles of wakefulness and rest in Rana temporaria frogs] Popova DI, et al. **Zh Evol Biokhim Fiziol** 12(2):199–201, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

RANULA

PATHOLOGY

Recurrent ranula. A case report. Harrison JD, et al. **Br Dent J** 140(5):180–2, 2 Mar 76

SURGERY

Letter: Treatment of plunging ranula. Swank RL 2d. **J Oral Surg** 33(11):823, Nov 75

[Ranula of unusual size] Hanzély B, et al. **Fogorv Sz** 69(3):85–7, Mar 76 **(Hun)**

Treatment of ranula] **J Jpn Stomatol Soc** 24(4):382–91, 1975 **(Jpn)**

RANVIER'S NODES

DRUG EFFECTS

[The effect of novocaine on the electrical activity of nodes of Ranvier in high and low pH solutions] Beliaev VI, et al. **Neirofiziologiia** 8(2):161–7, 1976 (Eng. Abstr.)

The rates of saxitoxin action and of saxitoxin–tetrodotoxin interaction at the node of Ranvier. Wagner HH, et al. **Pfluegers Arch** 359(4):297–315, 29 Sep 75

Saxitoxin and procaine act independently on separate sites of the sodium channel. Wagner HH, et al. **Pfluegers Arch** 364(1):65–70, 29 Jun 76

[The influence of aconitine on several properties of the sodium channels of the membranes of nodes of Ranvier] Mozhaeva GN, et al. **Neirofiziologiia** 8(2):152–60, 1976 (Eng. Abstr.) **(Rus)**

[Decrease in the maximum sodium permeability and slow sodium inactivation in Ranvier's nodes treated with trimecaine] Shishkova LD. **Neirofiziologiia** 8(4):418–25, 1976 (Eng. Abstr.) **(Rus)**

METABOLISM

Ionic selectivity of Na and K channels of nerve membranes. Hille B. **Membranes** 3:255–323, 1975

Selective inhibition of potassium conductance in node of Ranvier with a photoaffinity label derived from tetraethylammonium. Hucho F, et al. **Nature** 260(5554):802–4, 29 Apr 76

PHYSIOLOGY

The nonmetabolic role of thiamine in excitable membrane function. pp. 283–305. Barchi RL.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.

Further experimental evidence for the synapse hypothesis of Na+–current activation and inactivation at the Ranvier node. Tippe A, et al. **Naturwissenschaften** 62(10):490–1, Oct 75

Cesium induced rectifications in frog myelinated fibres. Dubois JM, et al. **Pfluegers Arch** 355(4):361–4, 2 Apr 75

Block of gating currents by ultraviolet radiation in the membrane of myelinated nerve. Fox JM, et al. **Pfluegers Arch** 364(2):143–5, 30 Jul 76

Asymmetrical displacement current and its relation with the activation of sodium current in the membrane of frog myelinated nerve. Neumcke B, et al. **Pfluegers Arch** 363(3):193–203, 22 Jun 76

Conductance fluctuations in Ranvier nodes. van den Berg RJ, et al. **Pfluegers Arch** 360(1):17–23, 16 Oct 75

[About the importance of paranodal structures of the Ranvier node for the impulse regeneration (author's transl)] Müller–Mohnssen H, et al. **Z Naturforsch [C]** 30(2):271–7, Mar–Apr 75 (Eng. Abstr.) **(Ger)**

[The effect of changes in the pH of the external solution on the afterpotentials of individual frog nodes of Ranvier] Katalymov LL. **Neirofiziologiia** 8(1):62–6, 1976 (Eng. Abstr.) **(Rus)**

[Displacement currents of the sodium channels of the membranes of Ranvier's nodes] Lonskiĭ AV, et al. **Neirofiziologiia** 8(4):410–7, 1976 (Eng. Abstr.) **(Rus)**

RAPE

Rape, race, and the death penalty in Georgia. Wolfgang ME, et al. **Am J Orthopsychiatry** 45(4):658–68, Jul 75

Coping behavio of the rape victim. Burgess AW, et al. **Am J Psychiatry** 133(4):413–8, Apr 76

Development of a medical center rape crisis intervention program. McCombie SL, et al. **Am J Psychiatry** 133(4):418–21, Apr 76

It is always the woman who is raped. Metzger D. **Am J Psychiatry** 133(4):405–8, Apr 76

The rape victim: psychodynamic considerations. Notman MT, et al. **Am J Psychiatry** 133(4):408–13, Apr 76

The rape victim: psychological patterns of response. Symonds M. **Am J Psychoanal** 36(1):27–34, Spring 76

The intelligence of rapists. Ruff CF, et al. **Arch Sex Behav** 5(4):327–9, Jul 76

Another look at the care of the rape victim. Hanss JW Jr. **Ariz Med** 32(8):634–5, Aug 75

Management of the rape victim. Robinson GE. **Can Med Assoc J** 115(6):520–2, 18 Sep 76

Rape victims: the unpopular patients. LeBourdais E. **Dimens Health Serv** 53(3):12–4, Mar 76

Aggressive sexual offenders: diagnosis and treatment. pp. 212–38. Groth AN, et al.
In: Burgess AW, Lazare A, ed. Community mental health: target populations. Englewood Cliffs, N.J., Prentice–Hall, 1976. WM 30 B955c 1976.

Organizing a rape crisis program in a general hospital. Bassuk E, et al. **J Am Med Wom Assoc** 30(12):486–90, Dec 75

The new Florida 'rape' law. Schiff AF. **J Fla Med Assoc** 62(9):40–2, Sep 75

Sex-chromatin bodies in penile washings as an indicator of recent coitus. Given BW. **J Forensic Sci** 21(2):381–6, Apr 76

An unusual case of pseudo rape. Schiff AF. **J Forensic Sci** 20(4):637–42, Oct 75

Editorial: Rape. **Med Leg J** 44(1):1–5, 1976

Submission to Mrs Justice Heilbron's Advisory Group on the Law of Rape. **Med Sci Law** 16(3):154–8, Jul 76

Rape: a 22-year cohort study. Soothill KL, et al. **Med Sci Law** 16(1):62–9, Jan 76

Plasma testosterone levels in the rapist. Rada RT, et al. **Psychosom Med** 38(4):257–68, Jul–Aug 76

Survey of incidence of and physicians' attitudes toward sexual assault. McGuire LS, et al. **Public Health Rep** 91(2):103–9, Mar–Apr 76

Guidelines for the interview and examinations of alleged rape victims. **West J Med** 123(5):420–2, Nov 75

[Physicians and society: confronted by rape] Lalonde C. **Can Med Assoc J** 115(3):278–80, 7 Aug 76 **(Fre)**

[Gynaecological findings in sexual offences (author's transl)] Sklovská M, et al. **Cesk Gynekol** 40(10):721–3, Dec 75 **(Slo)**

RAPID EYE MOVEMENTS see **SLEEP, REM**

RARE BOOKS

HISTORY

Some of the rarer books in the collection of the Medical Society of London. Freeman EJ. **Trans Med Soc Lond** 90:43–8, 1974

RARE GASES see **GASES, RARE**

RAT-BITE FEVER

DIAGNOSIS

[A case of sodoku in Košice (author's transl)] Mittermayer T, et al. **Bratisl Lek Listy** 64(4):475–9, Oct 75 (Eng. Abstr.) **(Slo)**

RATIONALIZATION see under **DEFENSE MECHANISMS**

RATS

see related
RODENT CONTROL

Development of sensitive methods for detection of latent Kilham virus infection of rats. Shalunova NV, et al. **Acta Virol (Praha)** 19(4):354–8, Jul 75

Alcoholic liver injury: experimental models in rats and baboons. Lieber CS, et al. **Adv Exp Med Biol** 59:379–93, 1975

Maximization of ethanol intake in the rat. Wise RA. **Adv Exp Med Biol** 59:279–94, 1975 (51 ref.)

Rattlesnake venom shock in the rat: development of a method. Carlson RW, et al. **Am J Physiol** 229(6):1668–74, Dec 75

Effects of locoweed toxin on rats. James LF, et al. **Am J Vet Res** 37(7):845–50, Jul 76

Pathogenesis of tularemia in immune and nonimmune rats. Moe JB, et al. **Am J Vet Res** 36(10):1505–10, Oct 75

Interrelationships between athyroetic and copper–deficient states in rats. Oliver JW. **Am J Vet Res** 36(11):1649–53, Nov 75

Interrelationships between athyreotic and manganese–deficient states in rats. Oliver JW. **Am J Vet Res** 37(5):597–600, May 76

Effect of the post–weaning environment on the climbing behaviour of wild and domestic Norway rats. Huck UW, et al. **Anim Behav** 24(2):364–71, May 76

The influence of the sex of litter–mates on subsequent maternal behaviour in Rattus norvegicus. Sharpe RM. **Anim Behav** 23(3):551–9, Aug 75

Problems of rodent control in rural tropical areas. Barnes AM. **Bull WHO** 52(4–6):669–76, 1975

The biology, behaviour, and ecology of Mastomys natalensis in southern Africa. Coetzee CG. **Bull WHO** 52(4–6):637–44, 1975

Evaluation of demographic parameters of native rodent populations and implications for control. French NR. **Bull WHO** 52(4–6):677–89, 1975

Problems associated with the control of rodents in tropical Africa. Gratz NG, et al. **Bull WHO** 52(4–6):697–706, 1975

The ecology of Praomys (Mastomys) natalensis in southern Africa. Isaäcson M. **Bull WHO** 52(4–6):629–36, 1975

Larval development of the rodent botfly, Cuterebra tenebrosa, in bushy–tailed wood rats and its relationship to pupal diapause. Baird CR. **Can J Zool** 53(12):1788–98, Dec 75

Acute tolerance to barbiturate in the rat. Turnbull MJ, et al. **Eur J Pharmacol** 36(1):15–20, Mar 76

Trypanosoma cruzi: new foci of enzootic Chagas' disease in California. Wood SF. **Exp Parasitol** 38(2):153–60, Oct 75

Neurogenic mechanisms of spontaneous hypertension. pp. 65–76. Yamori Y.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Hyperinsulinemia, insulin resistance and cataract formation in sand rats. pp. 188–96. Gutman A, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

Induction of gastric ulcers in the forestomachetomized albino rats by Shay operation. Ahamed PN, et al. **Indian J Exp Biol** 13(3):230–3, May 75

Keratoconjunctivitis associated with sialodacryoadenitis in rats. Lai YL, et al. **Invest Ophthalmol** 15(7):538–41, Jul 76

Comparative study of the pathology of sucrose–induced diabetes in the rat and adult–onset diabetes in man. Rosenmann E, et al. **Isr J Med Sci** 11(7):753–61, Jul 75

Dietary factors and aflatoxin toxicity: I. Comparison of the effect of two diets supplemented with aflatoxin B1 upon two different strains of rats. Alfin–Slater RB, et al. **J Am Oil Chem Soc** 52(8):266–71, Aug 75

Differential effects of environmental enrichment on the open–field behavior of wild and domestic Norway rats. Huck UW, et al. **J Comp Physiol Psychol** 89(8):892–8, Oct 75

Free–operant comparisons of wild and domestic Norway rats. Millar RD. **J Comp Physiol Psychol** 89(8):913–22, Oct 75

A seroepidemiological survey of Trypanosoma and Toxoplasma in Rattus norvegicus in England. Arafa MS, et al. **J Egypt Public Health Assoc** 49(4–5):231–43, 1974

Latent Pneumocystis carinii infections in some mammals from Taipei Hsien, Taiwan. Cross JH, et al. **J Formosan Med Assoc** 74(8):564–7, Aug 75

Studies on the Malayan forest rat filaria, Breinlia booliati: periodicity and microfilaraemic patterns during the course of infection. Yap EH, et al. **J Helminthol** 49(4):263–9, Dec 75

The masked rat. An X–ray induced mutant with chronic blepharitis, alopecia, and pasteurellosis. Kent RL, et al. **J Hered** 67(1):3–5, Jan–Feb 76

Three recessive genes for congenital osteopetrosis in Norway rat. Moutier R, et al. **J Hered** 67(3):189–90, May–Jun 76

Experimental model of severe renal hypertension. Fernandes M, et al. **J Lab Clin Med** 87(4):561–7, Apr 76

Chromosomal variation in the plains woodrat: male meiosis and breeding studies. Warner JW. **J Mammal** 57(1):10–8, Feb 76

Pathophysiology of aganglionic colon segment: an experimental study on aganglionosis produced by a new method in the rat. Imamura K, et al. **J Pediatr Surg** 10(6):865–73, Dec 75

Deep anesthesia in the rat with the combined action of droperidol–fentanyl and pentobarbital. **Lab Anim Sci** 25(5):585–7, Oct 75

Hyperbaric oxygen seizures in rats: effects of handling and chamber noise. Boyle E, et al. **Lab Anim Sci** 26(1):100–1, Feb 76

Restraining rats with radiation–induced tail damage. Hodges HD, et al. **Lab Anim Sci** 26(2 Pt I):244, Apr 76

Renal microvasculature in spontaneously hypertensive rats. Jackson CG, et al. **Lab Anim Sci** 25(5):563–5, Oct 75

Levels of spontaneous malformations in the CD rat and the CD–1 mouse. Perraud J. **Lab Anim Sci** 26(2 Pt 2):293–300, Apr 76

The use of spontaneously hypertensive rats for the study of

anti-hypertensive agents. Roba JL. **Lab Anim Sci** 26(2 Pt 2):305–19, Apr 76

The occurrence of Mycoplasma arthritidis in the throat and middle ear of rats with chronic respiratory disease. Stewart DD, et al. **Lab Anim Sci** 25(6):769–73, Dec 75

Urinary proteins in Sprague–Dawley rats with chronic progressive nephrosis. Weaver RN, et al. **Lab Anim Sci** 25(6):705–10, Dec 75

Direct percutaneous measurement of blood pressure from rat tail. Ertama PM. **Med Biol** 54(1):69–71, Feb 76

Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in mice, rats, and rabbits. Ariyuki F. **Okajimas Folia Anat Jpn** 52(2–3):103–17, Aug 75

Further comments on deleterious behavioral and physiological effects of sound. Morley BJ, et al. **Psychol Rep** 37(2):544–6, Oct 75

Renal transplantation in the rat. II. In vitro perfusion of rat kidneys before transplantation. Frödin L. **Scand J Clin Lab Invest** 35(5):455–62, Sep 75

Mastomys natalensis as an experimental host for Brugia malaye subperiodic. Petrányi G, et al. **Southeast Asian J Trop Med Public Health** 6(3):328–37, Sep 75

Experimental aneurysms. Nishikawa M, et al. **Surg Neurol** 5(1):15–8, Jan 76

The Proechimys rat; a potential laboratory host and model for the study of Trypanosoma evansi. Morales GA, et al. **Trop Anim Health Prod** 8(2):122–4, May 76

Isolation of a 'saprophytic' leptospiral serotype andamana from carrier rats in Israel. Shenberg E, et al. **Trop Geogr Med** 27(4):395–8, Dec 75

Ultrasound production by the long haired rat of Australia (Rattus villosissimus). Begg R. **Ultrasonics** 14(4):177–82, Jul 76

Renal transplantation in the rat. I. Studies concerning the ureteral anastomosis with special reference to the end-to-end technique. Frödin L, et al. **Urol Res** 3(2):87–90, 8 Aug 75

Pathogenesis of sialodacryoadenitis in gnotobiotic rats. Jacoby RO, et al. **Vet Pathol** 12(3):196–209, 1975

Ozone-induced pulmonary lesions in rats and rhesus monkeys. Mellick PW, et al. **Vet Pathol** 12(1):61–2, 1975

Occurrence of hair-fragment emboli in the pulmonary vascular system of rats. Tekeli S. **Vet Pathol** 11(6):482–5, 1974

Dose response to a single injection of azoxymethane in rats. Induction of tumors in the gastrointestinal tract, auditory sebaceous glands, kidney, liver and preputial gland. Ward JM. **Vet Pathol** 12(3):165–77, 1975

[Rat and bilharziasis in Guadeloupe. New data (author's transl)] Nassi H, et al. **Ann Parasitol Hum Comp** 50(6):731–3, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[To what period does the rat (Rattus rattus) date back in Europe?] Girard G. **Bull Soc Pathol Exot** 67(6):601–6, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Semen collection and artificial insemination in the rat] Rohloff D, et al. **Berl Munch Tieraerztl Wochenschr** 89(16):318–21, 15 Aug 76 (Eng. Abstr.) **(Ger)**

[The rat as a suitable experimental animal in rhinology. Electronmicroscopic study of the nasal mucosa and its innervation] Cauna N. **Laryngol Rhinol Otol (Stuttg)** 54(12):942–50, Dec 75 (Eng. Abstr.) **(Ger)**

[Intravaginal infection of the rat with Trichomonas vaginalis and Candida albicans. An experimental model for chemotherapy (author's transl)] Meingassner JG, et al. **Tropenmed Parasitol** 26(4):395–8, Dec 75 **(Ger)**

[Mitochondrial changes in the tubular epithelium of wistar-rats with spontaneous nephropathy (author's transl)] Kraus B, et al. **Virchows Archiv [Cell Pathol]** 19(2):179–90, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Case report on urolithiasis in the rat] Niggeschulze A, et al. **Z Versuchstierkd** 17(5–6):315–9, 1975 (Eng. Abstr.) **(Ger)**

[Comparison of various methods to produce non-hemolyzed serum of rats] Weigert VP. **Z Versuchstierkd** 17(4):204–7, Jul 75 **(Ger)**

[An experience of application of sterility test of germfree mice and rats recommended by JEARA. (AUTHOR'S TRANSL)] Maejima K, et al. **Exp Anim (Tokyo)** 24(4):177–81, Oct 75 **(Jpn)**

[Effects of various animal feeds on Wistar, SD, Donryu and Fischer rats—pathological findings] Sato H. **Exp Anim (Tokyo)** 25(2):110–7, Apr 76 **(Jpn)**

[Pathological studies on corynebacterial ulcerative entero-colitis in rats treated with ACTH (author's transl)] Yamada A, et al. **Exp Anim (Tokyo)** 24(4):151–60, Oct 75 (Eng. Abstr.) **(Jpn)**

[Etiological study of experimental pyelonephritis—intrarenal bacterial behavior in an experimental model] Tadokoro H, et al. **Jpn J Nephrol** 16(6):560–8, Jun 74 **(Jpn)**

[Determination of the age of the rat placenta] Cotias PM. **Mem Inst Oswaldo Cruz** 72(1–2):5–8, 1974 (Eng. Abstr.) **(Por)**

[Interspecies variability of genetic material organization in the gray rat Rattus norvegicus Berk] Miroshnichenko GP, et al. **Dokl Akad Nauk SSSR** 226(4):947–50, 1 Feb 76 **(Rus)**

[Breathing valves for rats] Butaev BM. **Patol Fiziol Eksp Ter** (4):86–7, Jul–Aug 75 **(Rus)**

[Identification of DNA synthesis stimulating and inhibitory factors from the rat submandibular gland during post-natal differentiation (author's transl)] Catanzaro OL. **Rev Bras Pesqui Med Biol** 8(5–6):415–9, Sep–Dec 75 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Abdominal vagal paraganglia: distribution and comparison with carotid body, in the rat. Deane BM, et al. **Acta Anat (Basel)** 93(1):19–28, 1975

Electrostimulation and morphologic study of the nerves to the bone marrow of the albino rat. DePace DM, et al. **Acta Anat (Basel)** 93(1):1–18, 1975

Neurohistological and histochemical observations on the lung of Rattus rattus rufescens (Indian black rat). Purwar RS. **Acta Anat (Basel)** 93(3):321–7, 1975

Comparative study of the gastrocnemius and soleus muscles of the Egyptian desert rodent Gerbillus pyramidum and the albino rat. Rahman SA, et al. **Acta Anat (Basel)** 92(3):351–63, 1975

Female prostate in Arvicanthis niloticus and Meriones libycus. Shehata R. **Acta Anat (Basel)** 92(4):513–23, 1975

Blood supply of the rat hypothalamus. III. Anterior region of the hypothalamus (nucleus suprachiasmatis, nucleus hypothalamicus anterior, nucleus periventricularis). Ambach G, et al. **Acta Morphol Acad Sci Hung** 23(1):21–49, 1975

The arterial and venous blood supply of the septum pellucidum in the rat. Ambach G, et al. **Acta Morphol Acad Sci Hung** 23(2):133–44, 1975

Morphology and experimental investigations about the extra- and intrahepatic arteries in man and some other species. **Acta Morphol Neerl Scand** 13(3):238–9, Nov 75

Intercellular relationships in the external glial limiting membrane of the neocortex of the cat and rat. Williams V. **Am J Anat** 144(4):421–31, Dec 75

A factor analysis of body build in the rat. Watson RH, et al. **Am J Phys Anthropol** 44(3):513–9, May 76

A geometric model of the rat kidney. Kainer R. **Anat Embryol (Berl)** 147(1):91–109, 9 Jun 75

Ultrastructure of the labyrinth in the rat full-term placenta. Metz J, et al. **Anat Embryol (Berl)** 149(2):123–48, 24 Jun 76

Three-dimensional organization of testicular interstitial tissue and lymphatic space in the rat. Clark RV. **Anat Rec** 184(2):203–25, Feb 76

The fine structure of the interhemal membrane of the rat chorioallantoic placenta during prolonged pregnancy. Jollie WP. **Anat Rec** 184(1):73–89, Jan 76

A circadian rhythm of mitotic activity in the uterine luminal epithelium of the rat: effect of estrogen. Krueger WA, et al. **Anat Rec** 183(4):563–6, Dec 75

Cellular renewal in the enamel organ and the odontoblast layer of the rat incisor as followed by radioautography using 3H-thymidine. Smith CE, et al. **Anat Rec** 183(4):523–61, Dec 75

Pliable metacrylate casts of blood vessels: use in a scanning electron microscope study of the microcirculation in rat hypophysis. Murakami T. **Arch Histol Jpn** 38(2):151–68, Aug 75

Effect of space flight factors on the mammal: experimental-morphological study. Portugalov VV, et al. **Aviat Space Environ Med** 47(8):813–6, Aug 76

A scanning electron microscopy study of the endothelial folds in normal and anastomosed common carotid arteries in albino rats. Bannister CM, et al. **Br J Exp Pathol** 56(4):329–37, Aug 75

Identification of the vasopressin producing and of the oxytocin producing neurons in the hypothalamic magnocellular neurosecretroy system of the rat. Vandesande F, et al. **Cell Tissue Res** 164(2):153–62, 2 Dec 75

Projections from the tectum mesencephali to the brain stem structures in the rat. Petrovický P. **Folia Morphol (Praha)** 24(1):49–52, 1976

Projections from the tectum mesencephali to the brain stem structures in the rat. Petrovický P. **Folia Morphol (Praha)** 24(1):41–8, 1976

electron Jeffery PK, et al. **J Anat** 120(2):295–320, Nov 75

The ultrastructural relationships between Sertoli cells and spermatogenic cells in the rat. Kaya M, et al. **J Anat** 121(2):279–90, Apr 76

Further observations on the pharyngeal hypophysis and the postsphenoid in the mature male rat. McGrath P. **J Anat** 121(1):193–201, Feb 76

Mucopolysaccharides in hypothalamic neurons of the rat. Martínez-Rodríguez R, et al. **J Anat** 121(2):231–9, Apr 76

The organization and postnatal development of the commissural projection of the rat somatic sensory cortex. Wise SP, et al. **J Comp Neurol** 168(3):313–43, 1 Aug 76

Similarity of epithelial relationships in the gingiva of rat and man. Listgarten MA. **J Periodontol** 46(11):677–80, Nov 75

Isolation and characterization of the perforatorium of rat spermatozoa. Olson GE, et al. **J Reprod Fertil** 47(2):293–7, Jul 76

Diet, mucosal architecture and epithelial cell production in the small intestine of specified-pathogen-free and conventional rats. Clarke RM. **Lab Anim** 9(3):201–9, Jul 75

Surface structures of the tongue, palate and buccal mucosa of the rat (scanning electron microscopic studies on the oral mucosa 3). Yoshioka I, et al. **Okajimas Folia Anat Jpn** 52(6):297–311, Mar 76

Technique for vestibular neurotomy in the rat. Potegal M, et al. **Physiol Behav** 14(2):217–21, Feb 75

A study on the diverticular enlargement of the rat's submandibular duct. Kim SC. **Yonsei Med J** 16(2):41–6, 1975

The ultrastructure of rat prostatic nuclei. Ballard AC. **Z Versuchstierkd** 17(5–6):275–84, 1975

[Structure of the upper airways of the white rat (Mus rattus norvegicus, var. albinos)] Liebich HG. **Anat Anz** 138(3):170–9, 1975 **(Ger)**

[Ontogenesis of the spine-free initial zone of apical dendrites; studies in cortical pyramidal cells of albino rat] Doedens, et al. **Gegenbaurs Morphol Jahrb** 121(1):88–108, 1975 (Eng. Abstr.) **(Ger)**

[Comparative studies of the dark macular cells of the juxtaglomerular apparatus in the rat, mouse and guinea pig] Bucher O, et al. **Verh Anat Ges** 69:831–6, 1975 (Eng. Abstr.) **(Ger)**

[Ultrastructural changes in muscle cells of the rat uterus during pregnancy] Prinz U, et al. **Verh Anat Ges** 69:749–53, 1975 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of the intermediolateral nucleus of the thoracic cord of the adult rat] Usui T. **Acta Anat Nippon** 50(5):236–49, 1 Oct 75 (Eng. Abstr.) **(Jpn)**

[Morphological changes in the thyroid gland of rats during various phases of the estral cycle] Pliner LI, et al. **Arkh Anat Gistol Embriol** 69(8):86–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Morphometric and electron microscopic studies of the secretory granules of neurosecretory cells of the supraoptic and paraventricular nuclei of white rats and mice] Senchik IuI. **Arkh Anat Gistol Embriol** 70(3):110–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Dimensions and alveolar surface of the ineralveolar septa of the rat lung] Ustiuzhaninova NV, et al. **Arkh Anat Gistol Embriol** 68(4):59–63, Apr 75 (Eng. Abstr.) **(Rus)**

[Troncoencephalic stereotaxis of the rat] Abad-Alegria F. **Trab Inst Cajal Invest Biol** 63:103–24, 1971 (Eng. Abstr.) **(Spa)**

BLOOD

Investigations on erythropoiesis in newborn rats. Dependence of erythropoiesis in newborn rats on the intensity of the haemopoietic processes in the lactating mothers. Dusza L. **Acta Physiol Pol** 26(4):367–76, Jul–Aug 75

Investigations of erythropoiesis in newborn rats. Erythropoiesis in newborn rats in physiological conditions. Dusza L. **Acta Physiol Pol** 26(4):361–6, Jul–Aug 75

Normal values of blood morphotic elements, haematocrit and bone marrow cell pattern in adult Wistar rats. Kiczak J, et al. **Acta Physiol Pol** 27(2):183–9, Mar–Apr 76

The amino acid sequence of the alpha chain of the major haemoglobin of the rat (Rattus norvegicus). Chua CG, et al. **Biochem J** 149(1):259–69, Jul 75

Rat haemoglobin heterogeneity. Two structurally distinct alpha chains and functional behaviour of selected components. Garrick LM, et al. **Biochem J** 149(1):245–58, Jul 75

About the normal values of the acid–base and oxygen indices in small laboratory animals—rats and rabbits. Ilučev D. **Folia Med (Plovdiv)** 16(5–6):231–40, 1974

Maternal influences on the ontogeny of basal levels of plasms corticosterone in the rat. Levin R, et al. **Horm Behav** 7(1):41–8, Mar 76

Synthesis, equilibration and catabolism of alpha1 F during gestation and in hepatoma bearing rats. pp. 365–81. Sell S. **In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.**

Measurement of apolipoprotein A-I in rat high density lipoprotein and in rat plasma by radioimmunoassay. Schonfeld G, et al. **J Lipid Res** 17(1):25–9, Jan 76

The ultrastructure of rat plasma lipoproteins. Pasquali-Ronchetti I, et al. **J Ultrastruct Res** 53(2):180–92, Nov 75

Circadian pattern of prolactin and growth hormone levels in female rats of two strains. Esber HJ, et al. **Lab Anim Sci** 26(2 Pt 1):186–9, Apr 76

An improved method for repeated plasmapheresis in the rat. Markofsky J, et al. **Lab Anim Sci** 26(1):93–5, Feb 76

Normal values of thyroxine and triiodo-thyronine retention in the rat. Valores normais de tiroxina e retenção de triiodo-tironina em ratos. Lara PF, et al. **Rev Bras Pesqui Med Biol** 8(5–6):363–7, Sep–Dec 75

[Changes in total serum protein and protein fractions in white Wistar laboratory rats during ontogenesis] Popov P, et al. **Eksp Med Morfol** 13(3):213–4, 1974 **(Bul)**

[Effect of ultraviolet rays on erythropoiesis in rats] Dańieyko-Osman M. **Ann Acad Med Stetin** 21:237–67, 1975 (Eng. Abstr.) **(Pol)**

[Modification of the dye dilution technic for determining total blood volume marmots and rats Bieloshytskyĭ PV. **Fiziol Zh** 21(3):418–9, May–Jun 75 **(Ukr)**

CLASSIFICATION

The genus Mastomys in the Ivory Coast. Bellier L. **Bull WHO** 52(4–6):665, 1975

EMBRYOLOGY

Embryonic development of the coronal suture in man and rat. Markens IS. **Acta Anat (Basel)** 93(2):257–73, 1975

Transplantation of the future coronal suture on the dura mater of 3- to 4-month-old rats. Markers IS. **Acta Anat (Basel)** 93(1):29–44, 1975

The course of rotation in rat embryos after bisections of the axis. Deuchar EM. **Acta Embryol Exp (Palermo)** (3):265–71, 1975 (Eng. Abstr.)

The embryonic rat parietal yolk sac. Changes in the morphology and composition of its basement membrane during development. Clark CC, et al. **Dev Biol** 46(2):243–61, Oct 75

Comparison of in vitro and in vivo development of rat foetuses. Cockroft DL. **Dev Biol** 48(1):163–72, Jan 76

Organ cultures of the embryonic rat parietal yolk sac. I. Morphologic and autoradiographic studies of the deposition of the collagen and noncollagen glycoprotein components of basement membrane. Minor RR, et al. **Dev Biol** 48(2):344–64, Feb 76

Organ cultures of the embryonic rat parietal yolk sac. II. Synthesis, accumulation, and turnover of collagen and noncollagen basement membrane glycoproteins. Minor RR, et al. **Dev Biol** 48(2):365–76, Feb 76

Ultrastructural evolution of nucleoli of female rat germ cells. Schuchner EB. **Fertil Steril** 26(9):924–31, Sep 75

A comparison of the estrogen binding activity of rat and human alpha-fetoprotein. pp. 97–108. Swartz SK, et al.

In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.

[The development of yolk circulation in normal rat embryos] Puchkov VF, et al. **Arkh Anat Gistol Embriol** 70(1):78–84, Jan 76 (Eng. Abstr.) **(Rus)**

[Embryological study of Jacobson's vomeronasal organ in the rat] Labella T. **An Otorrinolaringol Ibero Am** 2(4):15–26, 1975 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Embryonic and postnatal growth of rat and mouse. IV. Prenatal growth of organs and tissues: age determination, and general growth pattern. Goedbloed JF. **Acta Anat (Basel)** 95(1):8–33, 1976

Biology of the rice rat (Oryzomys palustris natator) in a laboratory environment. IX. Preweaning growth of the skull Park AW, et al. **Acta Morphol Neerl Scand** 14(1):39–60, Feb 76

Age of intruder and territorial-elicited aggression in male long-evans rats. Thor DH, et al. **Behav Biol** 17(2):237–41, Jun 76

Transfer RNA and aminoacyl transfer RNA in developing rats. Liu DK, et al. **Biol Neonate** 28(1–2):27–35, 1976

Development of air righting in rats. Hård E, et al. **Brain Behav Evol** 11(1):53–9, 1975

Prepuberal estrogen treatment and somatic growth in rats. Dubuc PU. **Endocrinology** 98(3):623–9, Mar 76

Hemoglobin values and organ weights in fast and slow growing rats at the time of weaning. Rakusan K. **Growth** 39(4):463–73, Dec 75

Weight regulation in hamsters and rats: differences in the effects of exercise and neonatal nutrition. pp. 225–41. Borer KT.

In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.

Results of growth curve analyses in mice and rats. Eisen EJ. **J Anim Sci** 42(4):1008–23, Apr 76 (101 ref.)

Hormone-sensitive fat cell adenylate cyclase in the rat. Influences of growth, cell size, and aging. Cooper B, et al. **J Clin Invest** 57(1):161–8, Jan 76

Ontogeny of defensive reactions in Norway rats. Bronstein PM, et al. **J Comp Physiol Psychol** 90(7):620–9, Jul 76

Regulation of mammalian growth in cold environments: studies of DNA synthesis in Rattus norvegicus. Nusetti OA, et al. **J Mammal** 56(4):770–80, Nov 75

Effect of selenium on rat growth, growth hormone and diet utilization. Ewan RC. **J Nutr** 106(5):702–9, May 76

Effect of litter size on weight gain in rats. Wurtman JJ, et al. **J Nutr** 106(5):697–701, May 76

A discounted least squares quadratic growth prediction model for use in 2 year toxicity studies. Iman RL, et al. **Lab Anim** 9(4):289–96, Oct 75

Developmental changes in suckling of rat pups. Hall WG, et al. **Nature** 258(5533):318–20, 27 Nov 75

Weaning and growth of artificially reared rats. Hall WG. **Science** 190(4221):1313–5, 26 Dec 75

Functional development of prefrontal cortex in rats continues into adolescence. Kolb B, et al. **Science** 193(4250):335–6, 23 Jul 76

[Ontogenesis of memory mechanisms and active avoidance] Mysliveček J, et al. **Cesk Fysiol** 24(5):439–42, 1975 **(Cze)**

[Effect of short-time fasting and hypoxia on the plasma Mg++ level in the ontogensis of the rat (author's transl)] Mourek J, et al. **Sb Lek** 78(4):110–6, Apr 76 (Eng. Abstr.) **(Cze)**

[Effect of high altitude hypoxia of different intensity on the spinal cord and medulla oblongata during ontogenesis of the rat (author's transl)] Trojan S, et al. **Sb Lek** 78(1):6–9, Jan 76 (Eng. Abstr.) **(Cze)**

[The influence of starvation on the respirational activity of cerebral mitochondria in the ontogenesis of rats (author's transl)] Trojanová M, et al. **Sb Lek** 77(11):345–52, Nov 75 **(Cze)**

[The nature and importance of weight loss during restraint stress in the growing rat (author's transl)] Favre B, et al. **Ann Rech Vet** 6(4):421–30, 1975 (Eng. Abstr.) **(Fre)**

[Food consumption of rats in the growth stage] Kasai K. **Exp Anim (Tokyo)** 25(2):105–7, Apr 76 **(Jpn)**

[Possibility of affecting the regulation of salt and water uptake in the critical periods of development in rats] Křeček J. **Zh Evol Biokhim Fiziol** 11(6):573–82, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Stimulation of protein synthesis by thyroid hormones during postnatal ontogenesis of the rat] Macho L, et al. **Cesk Fysiol** 24(6):561–4, 1975 **(Slo)**

IMMUNOLOGY

Phagocytosis of autologous and heterologous erythrocytes by rat and guinea pig macrophages. Bongrand P, et al. **Ann Immunol (Paris)** 126(2):137–42, Feb–Mar 75

Rat immunoglobulins in serum and secretions: purification of rat IgM, IgA and IgG and their quantitation in serum, colostrum, milk and saliva. McGhee JR, et al. **Immunochemistry** 12(10):817–23, Oct 75

Disruption of isolated peritoneal mast cells of the rat by human serum and that by other species. Marshall R. **Int Arch Allergy Appl Immunol** 49(5):647–57, 1975

Production of homocytotropic antibody against acid extracts isolated from group A streptococcal cell walls in intact and adrenalectomized rats. Okuni H, et al. **Int Arch Allergy Appl Immunol** 50(1):123–8, 1976

The leptospiral agglutinin of Korean dogs and wild rats by employing filter paper and rapid microsocpic agglutination test. Ryu E, et al. **Int J Zoonoses** 1(1):21–35, Jun 74

Studies on immune competence in the rat: changes with age, sex, and strain. Bilder GE. **J Gerontol** 30(6):641–6, Nov 75

Immunologic properties of mast cells from rats infected with Nippostrongylus brasiliensis. Ishizaka T, et al. **J Immunol** 115(4):1078–83, Oct 75

Allogenic cytotoxic response by rat cells in vitro. Bruce J, et al. **Transplantation** 20(1):88–92, Jul 75

[Interrelationship of the indices of nonspecific immunity in intact white rats] Olefir AL, et al. **Med Educ** 38(2):225–8, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

METABOLISM

The cytochemical localization of adenyl cyclase activity in rat sublingual gland. Kim SK, et al. **Am J Anat** 144(4):467–75, Dec 75

Letter: Wien effect. Davies DG, et al. **Am J Physiol** 229(6):1725, Dec 75

Glutamine synthetase and glutamyltransferase in developing chick and rat tissues. Herzfeld A, et al. **Biol Neonate** 27(3–4):163–76, 1975

Developmental aspects of galactose-1-phosphate uridylytransferase in rat intestine. Koo C, et al. **Biol Neonate** 27(3–4):153–62, 1975

Energy losses associated with oven-drying and the preparation of rat carcasses for analysis. Lofti M, et al. **Br J Nutr** 36(2):305–9, Sep 76

Anabolic and androgenic effects of methandrostenolone ('Nerobol') during systematic physical activity in rats. Rogozkin V. **Br J Sports Med** 9(2):65–9, Jul 75

Anabolic and androgenic effects of methandrostenolone ('Nerobol') during systematic physical activity in rats. Rogozkin V. **Br J Sports Med** 9(2):65–73, Jul 75

The diurnal variation of neutral hepatic fructose 1,6-diphosphatase in partially inbred populations of rats and in outbred populations of Microtus montanus. Ashman PU, et al. **Comp Biochem Physiol [B]** 53(3):315–8, 1976

Insulin secretion of isolated islets of sand rats (Psammomys obesus) during adaptation on captivity. Hahn HJ, et al. **Endokrinologie** 66(3):348–55, Dec 75

Pituitary hormones and growth retardation in rats raised at simulated high altitude (3800m). Nelson ML, et al. **Environ Physiol Biochem** 5(5):273–82, 1975

Distribution of type A and B monamine oxidase activities in the central nervous system of rat and chick. Suzuki O, et al. **Experientia** 32(1):13–4, 15 Jan 76

Effect of acute delta9-tetrahydrocannabinol treatment on serum luteinizing hormone and prolactin levels in adult female rats. Chakravarty I, et al. **Fertil Steril** 26(9):947–8, Sep 75

Warfarin and the warfarin-resistant rat. pp. 21–35. O'Reilly RA, et al.

In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.

Hyperinsulinemia, insulin resistance and cataract formation in sand rats. Gutman A, et al. **Isr J Med Sci** 11(7):714–22, Jul 75

Relation of high temperature regimes to energy metabolism, body composition and feed and water intake in rats. Alhassan WS, et al. **J Anim Sci** 42(3):608–15, Mar 76

Hippocampal innervation by serotonin neurons of the midbrain raphe in the rat. Moore RY, et al. **J Comp Neurol** 164(2):171–83, 15 Nov 75

Proceedings: Testosterone synthesis and secretion by the rat adrenal cortex in vitro, and the effects of stimulation by trophic hormones. Vinson GP, et al. **J Endocrinol** 67(2):13P–14P, Nov 75

Rat brain fatty acid composition: effect of dietary fat and age. Eddy DE, et al. **J Gerontol** 30(6):647–54, Nov 75

Comparison and significance of respiration and glycolysis of prostatic tissue from various species. Müntzing J, et al. **J Med Primatol** 4(4):245–51, 1975

Nickel deficiency in rats. Nielsen FH, et al. **J Nutr** 105(12):1620–30, Dec 75

Plasma free tryptophan variation during oestrous cycle of the rat. Heiskala H, et al. **Med Biol** 54(3):223–5, Jun 76

An analysis of an experimental model used in Ca-P metabolism studies: The rat housed in a metabolic cage. Ferretti JL, et al. **Medicina (B Aires)** 36(2):83–92, 1976

Glucose transport in the short loop of Henle of the rat kidney. Its characterisation by transport constants. Von Baeyer H. **Pfluegers Arch** 359(4):317–23, 29 Sep 75

Defective function of a microsomal UDP-glucuronyltransferase in Gunn rats. Nakata D, et al. **Proc Natl Acad Sci USA** 73(2):289–92, Feb 76

Zinc metabolism and homeostasis in rats fed a wide range of high dietary zinc levels. Ansari MS, et al. **Proc Soc Exp Biol Med** 152(2):192–4, Jun 76

Disposition of dapsone and monoacetyldapsone in rats. Gordon GR, et al. **Proc Soc Exp Biol Med** 150(2):485–92, Nov 75

Production of prostaglandin-like substance at the time of mating in the rat. Marley PB, et al. **Prostaglandins** 10(3):435–41, Sep 75

Tolerance to amphetamine in two species (rat and guinea pig) that metabolize it differently. Sever PS, et al. **Psychol Med** 6(1):35–42, Feb 76

Daily rhythmic variation in hepatic amidopyrine-N-demethylation, hexobarbital sleeping time and acetanilide and phenazone toxicity in rats of different age. Becher H, et al. **Z Versuchstierkd** 17(5–6):256–62, 1975

[Time and level of response of plasma, liver bone, leachable and stable hair fractions to copper deficiency and loading in the rat (author's transl)] Brochart M. **Ann Rech Vet** 6(2):231–5, 1975 (Eng. Abstr.) **(Fre)**

[Influence of protein intake on plasma and hair leachable urea in the rat (author's transl)] Brochart M. **Ann Rech Vet** 6(2):227–30, 1975 (Eng. Abstr.) **(Fre)**

[Delay and magnitude of plasma and bone responses and of stable, residual, leachable hair fractions to two different levels of K, Na, Ca, Mg, P intake in rat (author's transl)] Brochart M. **Ann Rech Vet** 6(3):337–44, 1975 (Eng. Abstr.) **(Fre)**

[Degradation of thyroxine-125I in normal Wistar AG rats, nude mutants and haired hybrids] Zizine ML, et al. **C R Acad Sci [D] (Paris)** 280(9):1103–5, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Estrogen metabolism in kidney tissue of female rats] Roll H, et al. **Arch Gynaekol** 219(1–4):566, 18 Nov 75 **(Ger)**

[Influence of the ovarian cycle on protein synthesis of various rat organs] Wittwer J, et al. **Arch Gynaekol** 219(1–4):568–70, 18 Nov 75 **(Ger)**

[Cu requirement of pregnant and lactating rats] Spoerl R, et al. **Arch Tierernaehr** 26(1): 25–34, Jan 76 (Eng. Abstr.) **(Ger)**

[Acid phosphatase in the spleen of bacteria-free and conventional rats] Horn J, et al. **Z Versuchstierkd** 17(5–6):247–55, 1975 (Eng. Abstr.) **(Ger)**

[Effects of various animal feeds on Wistar, SD, Donryu, and Fischer rats. (1) Results of feeding experiments] Honma H, et al. **Exp Anim (Tokyo)** 25(2):102–5, Apr 76 **(Jpn)**

[Effects of various animal feeds on Wistar, SD, Donryu and Fischer rats; (2) Results of clinico-biochemical tests] Nagase S. **Exp Anim (Tokyo)** 25(2):107–10, Apr 76 **(Jpn)**

[Enzymatic heterogeneity of the rat myocardium] Klibaner MI, et al. **Biull Eksp Biol Med** 81(4):487–9, 1976 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The possible significance of the presence of C-type virus particles in placenta of normal healthy Sprague-Dawley rats. Gross L, et al. **Bibl Haematol** (43):252–4, Oct 75

Leptospira fort-bragg isolated from a rat in Barbados. Myers DM, et al. **Bull Pan Am Health Organ** 9(3):208–11, 1975

Biochemical characteristics of rat C-type virus WF-1. Bronson DL, et al. **Proc Soc Exp Biol Med** 152(1):116–21, May 76

The bacterial flora of the female rat genital tract. Larsen B, et al. **Proc Soc Exp Biol Med** 151(3):571–4, Mar 76

The suitability for rats of an intestinal microflora of mice tested under practice circumstances. Koopman JP, et al. **Z Versuchstierkd** 17(4):208–11, Jul 75

[The Salmonellas isolated from rats and shrew-mice in the Saigon-Giadinh region] Nguyen-Van-Ai, et al. **Bull Soc Pathol Exot** 67(6):579–82, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Isolation of Leishmania from a black rat in the Baghdad area, Iraq. El-Adhami B. **Am J Trop Med Hyg** 25(5):759–61, Sep 76

Parasitic Protozoa of the blood of rodents. V. Plasmodium vinckei brucechwatti subsp. nov. A malaria parasite of the thicket rat, Thamnomys rutilans, in Nigeria. Killick-Kendrick R. **Ann Parasitol Hum Comp** 50(3):251–64, May–Jun 75

The effect of host adrenalectomy on the physiology of Trypanosoma rhodesiense. Sanchez G, et al. **Comp Biochem Physiol [A]** 52(4):623–6, 1 Dec 75

Intestinal absorption of amino acids in rats infected with Nematospiroides dubius. Scofield AM. **Comp Biochem Physiol [A]** 52(4):685–9, 1 Dec 75

Hymenolepis diminuta: lack of pathogenicity in the healthy rat host. Insler GD, et al. **Exp Parasitol** 39(3):351–7, Jun 76

Field studies of systemic insecticides. I. Evaluation of phoxim for control of fleas on cotton rats. Miller BE, et al. **J Med Entomol** 12(4):425–30, 31 Oct 75

The rat (Rattus norvegicus) as a laboratory host for the metacestodes of Taenia crassiceps. Blair LS, et al. **J Parasitol** 62(1):163–4, Feb 76

Morphology of piroplasms in abnormal hosts and the identification of piroplasms of man. Canning EU, et al. **J Trop Med Hyg** 79(1):5–8, Jan 76

Studies on helminth parasites of rats in Hokkaido. Tada Y. **Jpn J Vet Res** 23(3):114, Jul 75

Digenetic trematodes from rats, squirrels and tree shrews in Malaysia. Betterton C, et al. **Southeast Asian J Trop Med Public Health** 6(3):343–58, Sep 75

Man, an accidental host of Cyclodontostomum purvisi (Adams, 1933), and the occurrence in rats in Thailand. Bhaibulaya M, et al. **Southeast Asian J Trop Med Public Health** 6(3):391–4, Sep 75

The first authentic record of Angiostrongylus cantonensis Chen, 1935 Peninsular Malaysia. Lim BL. **Southeast Asian J Trop Med Public Health** 6(3):376–81, Sep 75

Light and electron microscope studies on the Sarcocystis of Rattus fuscipes, an Australian rat. Rzepczyk C, et al. **Z Parasitenkd** 50(2):137–50, 16 Aug 76

Light and electron microscopic observations of the life cycle of Sarcocystis orientalis sp. n. in the rat (Rattus norvegicus) and the Malaysian reticulated python (Python reticulatus). Zaman V, et al. **Z Parasitenkd** 47(3):169–85, 16 Oct 75

[Description of Plasmodium aegyptensis n. sp., presumed parasite of the Muridae Arvicanthis noloticus in Upper Egypt] Abd-el-Aziz GA, et al. **Ann Parasitol Hum Comp** 50(4):419–24, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[The role of the rat in the dynamics of endemic schistosomias in Guadeloupe] Combes C, et al. **C R Acad Sci [D] (Paris)** 281(14):1059–61, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Hemagglutinating antibodies in the serum and intestinal secretions of rats infested by Nippostrongylus brasiliensis] Poulain J, et al. **C R Acad Sci [D] (Paris)** 281(23):1933–4, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Cestode larval telergons inhibiting chemotaxis of host leukocytes] Berezantsev IuA, et al. **Dokl Akad Nauk SSSR** 226(5):1236–9, 11 Feb 76 **(Rus)**

PHYSIOLOGY

Hypophysectomy and regulation of body weight in the genetically obese Zucker rat. Powley TL, et al. **Am J Physiol** 230(4):982–7, Apr 76

Cellular mechanisms involved in cyclic stromal renewal of the uterus. II. The albino rat. Padykula HA, et al. **Anat Rec** 184(1):27–48, Jan 76

Postnatal development of locomotion in the laboratory rat. Altman J, et al. **Anim Behav** 23(4):896–920, Nov 75

Open-field behaviour of oestrous and dioestrous rats: evidence against an 'emotionality' interpretation. Birke LI, et al. **Anim Behav** 23(3):509–12, Aug 75

Effects of neonatal castration and testosterone injection on adult open-field behaviour in rats with atypical sex difference in defecation. Gray JA, et al. **Anim Behav** 23(4):773–8, Nov 75

Effects in rodents of a 1-month exposure to magnetic fields (200–1200 Gauss). Nahas GG, et al. **Aviat Space Environ Med** 46(9):1161–3, Sep 75

Object-directed urine-marking by male rats (Rattus norvegicus). Brown RE. **Behav Biol** 15(2):251–4, Oct 75

Behavioral, pharmacological, and biochemical analysis of genetic differences in rats. Ray OS, et al. **Behav Biol** 15(4):391–417, Dec 75

Reproduction and longevity in the hamster and rat. Asdell SA, et al. **Biol Reprod** 14(4):478–80, May 76

Adaptations of the male reproductive tract and the fate of spermatozoa following vasectomy in the rabbit, rhesus monkey, hamster and rat. Bedford JM. **Biol Reprod** 14(2):118–42, Mar 76

Pituitary and plasma LH and prolactin levels in female rats rendered blind and anosmic: influence of the pineal gland. Blask DE, et al. **Biol Reprod** 12(3):329–34, Apr 75

Capacity of old versus young female rats to secrete LH, FSH and prolactin. Huang HH, et al. **Biol Reprod** 14(5):538–43, Jun 76

A comparative study of avian and rat patterns in thyroid function–I. Intrathyroidal iodine metabolism. Astier H. **Comp Biochem Physiol [A]** 52(1):1–8, 1 Sep 75

A comparative study of avian and rat patterns in thyroid function–II. Plasma protein-bound iodine and thyroid hormone secretion. Astier H. **Comp Biochem Physiol [A]** 52(1):9–17, 1 Sep 75

Body temperatures and heart rates of laboratory rats and Belding squirrels (Spermophilus beldingi) during behavioral thermoregulation. Morhardt JE, et al. **Comp Biochem Physiol [A]** 52(4):701–5, 1 Dec 75

Effect of water deprivation on antidiuresis in Dipodomys spectabilis and Rattus norvegicus. Randle H, et al. **Comp Biochem Physiol [A]** 54(1):21–6, 1976

Evidence for an endogenous ultradian rhythm governing growth hormone secretion in the rat. Tannenbaum GS, et al. **Endocrinology** 98(3):562–70, Mar 76

Effect of gonadectomy on age-dependent calcification of aorta and bone mineralization in rats. Morgan AJ, et al. **Exp Gerontol** 10(3–4):195–204, Aug 75

Increased feeding in rats in a low ambient temperature. pp. 77–87. Kraly FS, et al. **In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.**

Circadian rhythm of movements of the house rat, Rattus rattus L. Barnett SA, et al. **Indian J Exp Biol** 13(2):153–5, Mar 75

Follicular population and body weight in relation to genetic differences in ovarian response to gonadotropin in rats. Gianola D, et al. **J Anim Sci** 42(1):36–42, Jan 76

Regional vascular influences on tail-cuff measurements of drug-induced changes in systolic pressure. Buñag RD, et al. **J Appl Physiol** 39(5):724–7, Nov 75

A renotropic system in rats. Preuss HG, et al. **J Clin Invest** 57(1):94–101, Jan 76

Neuroanatomical basis of binaural phase-difference analysis for sound localization: a comparative study. Masterton B, et al. **J Comp Physiol Psychol** 89(5):379–86, Jul 75

Skin potential activity in rats, cats, and primates (including man): a phylogenetic point of view. Yamazaki K, et al. **J Comp Physiol Psychol** 89(4):364–70, Jun 75

Rennin and pepsin in stomachs of rats (Rattus norvegicus). Kotts C, et al. **J Dairy Sci** 59(8):1398–400, Aug 76

Lactational efficiency complex of rats: provisional model for interpretation of energy balance data. Romero JJ, et al. **J Dairy Sci** 59(1):57–67, Jan 76

Presence of sex pheromone in preputial glands of male rats. Gawienowski AM, et al. **J Endocrinol** 67(2):283–8, Nov 75

Gonadotrophin and steroid levels around the time of first ovulation in the rat. Meijs-Roelofs HM, et al. **J Endocrinol** 67(2):275–82, Nov 75

Pineal and serum melatonin at midday and midnight following pinealectomy or castration in male rats. Pang SF, et al. **J Exp Zool** 193(3):275–80, Sep 75

Influence of diet and feed restriction on kidney function of aging male rats. Tucker SM, et al. **J Gerontol** 31(3):264–70, May 76

The effects of alpha-chlorohydrin on the composition of rat and rabbit epididymal plasma: a possible explanation of species difference. Back DJ, et al. **J Reprod Fertil** 45(1):117–28, Oct 75

Proceedings: Effect of differing environments on the oestrous cycle and ovulation rates in several species of native Australian rats. Breed WG. **J Reprod Fertil** 46(2):513–4, Mar 76

The distribution of blood flow to the reproductive organs of rats near term. Bruce NW. **J Reprod Fertil** 46(2):359–62, Mar 76

Comparative effects of niridazole on spermatogenesis and reproductive capacity in the mouse, rat and Japanese quail. Jones P, et al. **J Reprod Fertil** 46(1):217–24, Jan 76

Effects of prostaglandin F2alpha on the reproductive system on the male rat. Tso EC, et al. **J Reprod Fertil** 44(3):545–50, Sep 75

Termination of pregnancy after accelerated lactation in the rat. II. Relationship to number of young, day of pregnancy and length of nursing. Veomett MJ, et al. **J Reprod Fertil** 44(3):513–7, Sep 75

Termination of pregnancy after accelerated lactation in the rat. IV. Relationship to 20alpha-hydroxysteroid dehydrogenase activity and plasma progesterone concentration. Veomett MJ, et al. **J Reprod Fertil** 44(3):529–36, Sep 75

Termination of pregnancy after accelerated lactation in the rat. III. Effects of hormonal treatments. Veomett MJ, et al. **J Reprod Fertil** 44(3):519–27, Sep 75

Fire alarms and oestrus in rats. Gamble MR. **Lab Anim** 10(2):161–3, Apr 76

Production of rats in synchronised batches. May D, et al. **Lab Anim** 9(4):313–8, Oct 75

Incidence of pup mortality in the rat with particular reference to nesting material, maternal age and parity. Norris ML, et al. **Lab Anim** 10(2):165–9, Apr 76

Reproductive biology and postnatal development of the neotropical climbing rat, Tylomys. Helm JD 3d, et al. **Lab Anim Sci** 25(6):741–7, Dec 75

Investigations on the function of the rat forestomach. Kunstyr I, et al. **Lab Anim Sci** 26(2 Pt 1):166–70, Apr 76

Changes in rat milk quantity and quality due to variations in litter size and high ambient temperature. Yagil R, et al. **Lab Anim Sci** 26(1):33–7, Feb 76

Role of sodium and urea in the renal concentrating mechanism in Psammomys obesus. Imbert M, et al. **Pfluegers Arch** 361(2):107–14, 30 Jan 76

Effects of age and food deprivation on the development of muricidal behavior in rats. Malick JB. **Physiol Behav** 14(2):171–5, Feb 75

Influence of dietary Ca, Mg, and P on cyclic-AMP excretion and kidney calcification in the rat. Parker HM, et al. **Proc Soc Exp Biol Med** 151(1):215–20, Jan 76

Electrical resistance and ATPase levels in the cecal wall of germ free and conventional rats. Simonetta M, et al. **Proc Soc Exp Biol Med** 150(2):541–5, Nov 75

Time course of mechanical activity in mammalian cardiac muscle: dependence on species, loading, and displacement. Bodem R, et al. **Recent Adv Stud Cardiac Struct Metab** 10:91–118, 1975

A possible explanation for the peculiar contractile behavior displayed by rat heart muscle. Nayler WG, et al. **Recent Adv Stud Cardiac Struct Metab** 5:171–5, 1975

Refractive state and visual acuity in the hooded rat. Wiesenfeld Z, et al. **Vision Res** 16(8):823–7, 1976

[A loop technique for permanent exteriorization of bile flow in rats (author's transl)] Baradat C. **Ann Rech Vet** 6(4):391–6, 1975 (Eng. Abstr.) **(Fre)**

[Circadian rhythm of oxygen consumption and motor activity in rats; relationships with 2 sleep stages: slow wave and paradoxal sleep] Kayser C, et al. **Arch Sci Physiol (Paris)** 28(1):81–111, 1974 **(Fre)**

[Spontaneous mortality and vascular lesions in 3 rat strains with different blood pressure levels] Dupont J, et al. **C R Acad Sci [D] (Paris)** 280(13):1637–40, 7 Apr 75 (Eng. Abstr.) **(Fre)**

[Problems of experiments on rats in orthopedics (author's transl)] Breitenfelder J, et al. **Z Orthop** 114(2):263–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Hypothalamic stimulation effects on duodenal motility of rat. III. Topographic studies (author's transl)] De Vergueiro Forjaz S. **Rev Bras Pesqui Med Biol** 8(2):75–85, Mar–Apr 75 (Eng. Abstr.) **(Por)**

[Formation of behavioral reactions in the ontogeny of inbred (Wistar) and mongrel rats] Malakhovskiĭ VG. **Biol Nauki** (10):36–8, 1975 **(Rus)**

[Preliminary results of morphologic and cytochemical studies of animals that have spent 22 days in space flight aboard ISZ 'Kosmos-605'] Portungalov VV. **Izv Akad Nauk SSSR [Biol]** (3):418–29, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Some physiological characteristics of rats with high and low resistance to acute hypoxia] Berezovskiĭ VA. **Fiziol Zh** 22(3):291–6, MAR–APR 76 (Eng. Abstr.) **(Ukr)**

[Individual characteristics of the reactions to bloodletting in rats with high and low resistance to acute hypoxia] Berezovskiĭ VA, et al. **Fiziol Zh** 22(3):297–302, MAR–APR 76 (Eng. Abstr.) **(Ukr)**

URINE

Capillary tube urinalysis for small animals. Hayashi S, et al. **Lab Anim Sci** 25(6):781–2, Dec 75

RATS, INBRED ACI see under **RATS, INBRED STRAINS**

RATS, INBRED BN see under **RATS, INBRED STRAINS**

RATS, INBRED BUF see under **RATS, INBRED STRAINS**

RATS, INBRED F344 see under **RATS, INBRED STRAINS**

RATS, INBRED LEW see under **RATS, INBRED STRAINS**

RATS, INBRED STRAINS

Activity and electric shock interactions with strain and sex in the rat. Denti A. **Acta Physiol Lat Am** 24(4):285–9, 1974

The incidence of spontaneous tumors of the central nervous system of Wistar rats. Sumi N, et al. **Arch Toxicol (Berl)** 35(1):1–13, 30 Jan 76

Increased incidence of adjuvant arthritis in Wistar rats. Awouters F, et al. **Arzneim Forsch** 26(1):40–3, 1976

Arterial lesions in repeatedly bred spontaneously hypertensive rats. Wexler BC, et al. **Circ Res** 38(6):494–501, Jun 76

The neurogenic component in spontaneously hypertensive rats (SHR); a survey. pp. 3–16. Folkow B. **In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.**

Sympathetic discharge rate in SHR. pp. 51–9. Iriuchijima J. **In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.**

Congenic strains of RCS rats with inherited retinal dystrophy. LaVail MM, et al. **J Hered** 66(4):242–4, Jul–Aug 75

Genetic studies in inbred rats. VII. Tentative model for the major histocompatibility complex. Gill TJ 3d, et al. **J Immunogenet** 3(2):139–43, Apr 76

Spontaneous tumors in ACI/N rats. Maekawa A, et al. **J Natl Cancer Inst** 55(6):1437–45, Dec 75

Spontaneous adenocarcinomas of the ventral prostate of aged A X C rats. Shain SA, et al. **J Natl Cancer Inst** 55(1):177–80, Jul 75

Primary epithelial tumour in the right atrium of the heart and inferior vena cava in NZR/gd inbred rats; pathology of 18 cases. Goodall CM, et al. **J Pathol** 116(4):239–51, Aug 75

Spontaneous osteogenic sarcoma in the WI/Ten rat: a case report. Machado EA, et al. **Lab Anim Sci** 26(1):98–100, Feb 76

Adjuvant arthritis in Lewis and AVN inbred strain of rats. Perlík F, et al. **Physiol Bohemoslov** 24(6):555–7, 1975

Gentics of urogenital abnormalities in ACI inbread rats. Cramer DV, et al. **Teratology** 12(1):27–32, Aug 75

[Occurrence of spontaneous tumours in the rat strain Chbb: THOM (SPF) (author's transl)] Tilov T, et al. **Arzneim Forsch** 26(1):45–50, 1976 (Eng. Abstr.) **(Ger)**

[Genetic constancy, respectively subline drifting of inbred strains of rats and mice] Hedrich HJ, et al. **Z Versuchstierkd** 17(5–6):263–74, 1975 (Eng. Abstr.) **(Ger)**

[A rare eye malformation in a CD rat] Kreibig W, et al. **Z Versuchstierkd** 13(1–2):25–31, 1976 (Eng. Abstr.) **(Ger)**

[Renin and apoplexy—plasma renin and vascular disorders in stroke-prone spontaneously hypertensive rats] Matsunaga M, et al. **Jpn J Clin Med** 34(1):92–6, 10 Jan

76 (19 ref.) **(Jpn)**
[Studies of etiology and prophylaxis of stroke--stroke-prone spontaneously hypertensive rats] Yamori Y, et al. **Jpn J Clin Med** 34(1):25–34, 10 Jan 76 **(Jpn)**
[Induced rhabdomyosarcoma as an experimental model in Wag rats] Dedenkov AN, et al. **Vopr Onkol** 21(9):103–5, 1975 **(Rus)**

ANATOMY & HISTOLOGY

Constitution and body proportions in different strains of rats. A study of race formation in breeding isolates. Riesenfeld A. **Acta Anat (Basel)** 94(2):169–83, 1976
Ultrastructure of the Gunn rat substantia nigra I. Cytoplasmic changes. Batty HK, et al. **Acta Neuropathol (Berl)** 35(2):93–107, 15 Jun 76
[Comparative morphometric data on the epiphysis, the subfornical organ, and the anterior pituitary gland in 2 groups of pure strain Wistar female rats, SPF or conventional] Legait H, et al. **C R Soc Biol (Paris)** 169(6):1418–20, 1975 (Eng. Abstr.) **(Fre)**

BLOOD

Sampling of rat blood for hemostasis studies. van Oosterom AT, et al. **Haemostasis** 3(5–6):296–305, 1974
[Determination of serum transaminase in laboratory animals using the chamber-paper-analysis technic (KAPA)] Bien E, et al. **Z Versuchstierkd** 17(3):159–62, 1975 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Differentiation in renal homografts of isolated parts of rat embryonic ectoderm. Svajger A, et al. **Experientia** 32(3):378–80, 15 Mar 76

GROWTH & DEVELOPMENT

Weight gain and heterosis at different stages of development of the rat. Naso RB, et al. **Growth** 39(3):345–61, Sep 75
A parametric analysis of the growing CFHB (Wistar) rat. Pullen AH. **J Anat** 121(2):371–83, Apr 76
The response of growing rats to a diet supplemented with the antibiotic ampicillin. King JO. **Lab Anim** 9(3):211–4, Jul 75

IMMUNOLOGY

The homocytotropic and hemagglutinating antibody responses to Brugia pahangi infection in the multimammate rat (Mastomys natalensis). Benjamin DB, et al. **Am J Trop Med Hyg** 25(2):266–72, Mar 76
Nippostrongylus brasiliensis in young rats. Lymphocytes expel larval infections but not adult worms. Love RJ, et al. **Clin Exp Immunol** 21(1):155–62, Jul 75
Susceptibility of inbred rat strains to experimental thyroiditis: quantitation of thyroglobulin-binding cells and assessment of T-cell function in susceptible and non-susceptible strains. Penhale WJ, et al. **Clin Exp Immunol** 19(1):179–91, Jan 75
Quantitation of potential T-lymphocyte function in rats. Miller TE, et al. **Infect Immun** 12(4):722–7, Oct 75
Carrier effect by Nippostrongylus brasiliensis infection op rat antihapten IgE antibody response. Kojima S, et al. **Int Arch Allergy Appl Immunol** 50(1):81–6, 1976
Experimental allergic encephalomyelitis in aged F344 rats. Levine S, et al. **J Gerontol** 31(3):271–4, May 76
Decreased antibody response in the offspring of immunized high responder rats. Davis BK, et al. **J Immunol** 115(4):1166–8, Oct 75
Regulatory substances produced by lymphocytes. II. Lymphotoxin in the rat. Namba Y, et al. **J Immunol** 115(4):1018–22, Oct 75
The influence of foster nursing on the survival and immunologic competence of mice and rats. Silvers WK, et al. **J Immunol** 115(4):1117–21, Oct 75
Genetically controlled autologous immune complex glomerulonephritis in rats. Stenglein B, et al. **J Immunol** 115(4):895–7, Oct 75
The susceptibility of several inbred strains of rats to adjuvant-induced arthritis and experimental allergic encephalomyelitis. Perlik F, et al. **Z Immunitaetsforsch** 147(2):191–3, Jun 74

METABOLISM

Immuno-cytochemical demonstration of the inability of the homozygous Brattleboro rat to synthesize vasopressin and vasopressin-associated neurophysin. Vandesande F, et al. **Cell Tissue Res** 165(3):307–16, 27 Jan 76
The BHE strain to rat: an example of the role of inheritance in determining metabolic controls. Berdanier CD. **Fed Proc** 35(11):2295–9, Sep 76
Drug conjugation in Gunn rats: reduced UDP-glucuronosyl transferase and UDP-glucosyl transferase activities with increased glycine-N-acyltransferase activity. Marniemi J, et al. **Pharmacology** 13(6):492–501, 1975
Brain acetylcholine concentration and acetylcholinesterase activity in selectively-bred strains of rats. Buxton DA, et al. **Psychopharmacologia** 47(1):97–9, 5 May 76

MICROBIOLOGY

Latent Haemobartonella muris infection: its transmission and decline in an inbred, ectoparasite-free strain of Wistar rat. Bartlett R, et al. **Parasitology** 71(1):35–40, Aug 75

PHYSIOLOGY

Letter: The Maudsley reactive and nonreactive strains of rats: the need for an objective evaluation of differences. Archer J. **Behav Genet** 5(4):411–3, Oct 75
The Maudsley reactive and nonreactive strains of rats: a survey. Broadhurst PL. **Behav Genet** 5(4):299–319, Oct 75
Some endocrine parameters in three lines of rats. pp 24–8. Mariana JC, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.
Maternal influence on postimplantation survival in inbred rats. Cramer DV, et al. **J Reprod Fertil** 44(2):317–21, Aug 75
Interactions of age, sex and long-term alcohol intake in selectively bred strains of rats. Satinder KP. **J Stud Alcohol** 36(11):1493–507, Nov 75
Current experience using the laboratory rat in aging studies. Hollander CF. **Lab Anim Sci** 26(2 Pt 2):320–8, Apr 76
Immunity of Fischer 344 rats to salt hypertension. Hall CE, et al. **Life Sci** 18(9):1001–7, 1 May 76
Sodium excretory response to acute salt loading and induction of adrenal-regeneration hypertension in Fischer 344 rats. Hall CE, et al. **Life Sci** 19(2):175–82, 15 Jul 76
Differences in developing the lever-pressing behavior in two strains of rats. Ts'o TO, et al. **Physiol Behav** 14(6):719–23, Jun 75
Resistance of W/Fu rats to adrenal regeneration hypertension. Molteni A, et al. **Proc Soc Exp Biol Med** 150(1):80–4, Oct 75
The effects of nicotine on two-way avoidance conditioning in bi-directionally selected strains of rats. Fleming JC, et al. **Psychopharmacologia** 42(2):147–52, 28 May 75
[Formation of behavioral reactions in the ontogeny of inbred (Wistar) and mongrel rats] Malakhovskiĭ VG. **Biol Nauki** (10):36–8, 1975 **(Rus)**

RATS, INBRED WF see under **RATS, INBRED STRAINS**

RAUSCHER VIRUS

Attempts to transform murine hemopoietic cells by Rauscher leukemia virus. Bentvelzen P, et al. **Bibl Haematol** (40):179–83, 1975
Mouse fetal antigens in Rauscher leukemia. Ishimoto A, et al. **Bibl Haematol** (40):311–7, 1975
Studies on the erythropoietic cell system in CBA mice after Rauscher virus infection. Seidel HJ. **Blut** 32(4):257–68, Apr 76
Membrane receptors for murine leukemia viruses: characterization using the purified viral envelope glycoprotein, gp71. DeLarco J, et al. **Cell** 8(3):365–71, Jul 76
Specific binding of the type C viral core protein p12 with purified viral RNA. Sen A, et al. **Cell** 7(1):21–32, Jan 76
Effect of dietary selenium on tumor induction by an oncogenic virus. Exon JH, et al. **Clin Toxicol** 9(2):273–9, 1976
Effect of Rauscher leukemia development on DNA synthesis by hematopoietic CFU-S. Okunewick JP, et al. **Exp Hematol** 4(3):143–50, May 76
Modification of hemopoietic stem cells of BALB/c mice by Rauscher leukemia virus. Van Beek HJ, et al. **Exp Hematol** 4(3):151–60, May 76
Endogenous and exogenous erythropoietin in the treatment of the fatal anemia of RLV disease. pp. 455–61. LoBue J, et al.
In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.
Granulopoiesis in 'preleukemic' mice with anemia induced by Rauscher leukemia virus, variant a. Broxmeyer HE, et al. **J Natl Cancer Inst** 55(5):1123–7, Nov 75
Hormone-independent in vitro erythroid colony formation by bone marrow cells from Rauscher virus-infected mice. Nooter K, et al. **J Natl Cancer Inst** 55(1):59–64, Jul 75
Effects of Rauscher leukemia virus infection on BALB/c mouse embryos. Umar MH, et al. **J Natl Cancer Inst** 56(2):375–80, Feb 76
Stimulation of erythropoietic differentiation in BALB/c mice infected with Rauscher leukemia virus. Weitz-Hamburger A, et al. **J Natl Cancer Inst** 55(5):1171–5, Nov 75
The phagocytic activity of the reticuloendothelial system of mice infected by Rauscher leukemia virus. Seidel HJ, et al. **J Reticuloendothel Soc** 19(3):173–82, Mar 76
Diffusion chamber hematopoiesis in marrow and spleen cells from mice infected with Rauscher leukemia virus (RLV-A). Koltun LA, et al. **J Surg Oncol** 8(4):333–8, 1976
Viral stimulation of choline phosphotransferase in spleen microsomes. Hoffman DR, et al. **Lipids** 10(12):829–34, Dec 75
gag Gene of mammalian type-C RNA tumour viruses. Barbacid M, et al. **Nature** 262(5569):554–9, 12 Aug 76
The influence of N-(2-hydroxyethyl)-palmitamide on virus-induced sarcomas in chickens and Rauscher leukemia in mice. Svec P, et al. **Neoplasma** 22(5):519–24, 1975
Prevention of viral-chemical co-carcinogenesis in vitro by type-specific anti-viral antibody. Price PJ, et al. **Proc Natl Acad Sci USA** 73(1):152–5, Jan 76
[Effect of actinomycin D on virus production in a cell line chronically infected by a murine oncornavirus] Peraudeau L, et al. **C R Acad Sci [D] (Paris)** 279(26):2161–4, 23 Dec 74 **(Fre)**
[A peculiarity in the humoral immunity of BALB/C mice with Rauscher leukemia] Sokolov PP, et al. **Biull Eksp Biol Med** 81(3):356–8, Mar 76 (Eng. Abstr.) **(Rus)**
[Effect of Trichinella spiralis infection on the development of Rauscher leukemia] Trubcheninova LP, et al. **Vopr Virusol** (3):344–8, May-Jun 75 (Eng. Abstr.) **(Rus)**
[Activity of DNA-dependent RNA polymerases A and B in spleen nuclei of mice infected with Rauscher leukemia virus] Veselovskaia TV, et al. **Vopr Virusol** (1):57–62, Jan-Feb 76 **(Rus)**

ANALYSIS

Interconversion of molecular size of DNA polymerase from Rauscher leukemia virus. Nakajima K, et al. **Bibl Haematol** (40):603–5, 1975
Structural proteins of ribonucleic acid tumor viruses. Purification of envelope, core, and internal components. Strand M, et al. **J Biol Chem** 251(2):559–64, 25 Jan 76
Low-molecular- weight Rauscher leukemia virus protein with preferential binding for single-stranded RNA and DNA. Davis J, et al. **J Virol** 18(2):709–18, May 76
A fucose-deficient glycoprotein precursor to Rauscher leukemia virus gp69/71. Naso RB, et al. **Proc Natl Acad Sci USA** 73(7):2326–30, Jul 76
Proteins of Rauscher murine leukemia virus: resolution of a 70,000-dalton, Nonglycosylated polypeptide containing p30 peptide sequences. Jamjoom G, et al. **Virology** 68(1):135–45, Nov 75
Virus-specific precursor polypeptides in cells infected with Rauscher leukemia virus. Zaanie D, et al. **Virology** 67(2):544–52, Oct 75

DRUG EFFECTS

Thymic hormone modulation of leukemogenic virus replication. Forger JM 3d, et al. **Cancer Res** 36(6):2048–52, Jun 76
Differential sensitivity of Rauscher murine leukaemia virus (MuLV-R) to interferons in two interferon-responsive cell lines. Allen PT, et al. **J Gen Virol** 31(3):429–35, Jun 76

ENZYMOLOGY

Pyridoxal 5' phosphate: a selective inhibitor of oncornaviral DNA polymerases. Modak MJ. **Biochem Biophys Res Commun** 71(1):180–7, 12 Jul 76
Thymidylate synthetase of in vitro chemically and virally transformed rat cells. Langenbach. **Biochim Biophys Acta** 422(2):295–301, 13 Feb 76
Revistin found by screening for inhibitors of reverse transcriptase of an oncogenic virus. Numata M, et al. **J Antibiot (Tokyo)** 28(10):757–63, Oct 75
Reverse transcriptase activity per virion for avian myeloblastosis virus and Rauscher murine leukemia virus. Liebes LF, et al. **J Virol** 18(1):42–7, Apr 76
Thermolabile reverse transcriptase of a mammalian leukemia virus mutant temperature sensitive in its replication and sarcoma virus helper functions. Tronick SR, et al. **J Virol** 16(6):1476–82, Dec 75

GROWTH & DEVELOPMENT

[The combined action of leukemia virus and 20-methylcholanthrene on mouse embryonal cells] Shobukhov VM, et al. **Vopr Onkol** 21(11):57–60, 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lack of interference in antigen production in vitro between B-type and C-type oncornaviruses as determined by double stain immunofluorescence. van Pelt FG, et al. **Eur J Cancer** 12(4):321–3, Apr 76
In vitro differentiation of Rauscher-virus-induced myeloid leukemia cells. Ichikawa Y, et al. **Int J Cancer** 17(6):789–7, 15 Jun 76
Inhibition of normal mouse lymphocyte mitogen responses by xenogeneic or allogeneic antibodies to the MuLV glycoprotein gp71. Lee JC, et al. **J Immunol** 117(3): 1033–8, Sep 76
Assay in the mouse for delayed-type hypersensitivity to murine leukemia virus. Peters RL, et al. **J Natl Cancer Inst** 55(5):1089–95, Nov 75

METABOLISM

Translation of Rauscher leukemia virus RNA in heterologous cell-free systems. Salden MH, et al. **Biochim Biophys Acta** 425(2):208–19, 4 Mar 76
DNA-RNA hybrid in cells infected by murine leukemia virus. Takano T, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1009–14, 1975
Kinetics of murine type C virus-specific DNA synthesis newly infected cells. Lovinger GG, et al. **J Urol** 16(4):824–31, Oct 75
Transcription of 70S RNA by DNA polymerases from mammalian RNA viruses. Abrell JW, et al. **J Virol** 16(6):1566–74, Dec 75
Sialylatin of glycoproteins of murine mammary tumor virus, murine leukemia virus, and Mason-Pfizer monkey virus. Schloemer RH, et al. **J Virol** 18(2):804–8, May 76
Synthesis of Rauscher murine leukemia virus-specific polypeptides in vitro. Gielkens AL, et al. **Proc Natl Acad Sci USA** 73(2):356–60, Feb 76
Biosynthesis of Rauscher leukemia viral proteins: presence of p30 and envelope p15 sequences in precursor

polypeptides. Arcement LJ, et al. **Virology** 69(2):763–74, Feb 76

PATHOGENICITY

Methylmercury: effect on oncogenic and nononcogenic viruses in mice. Koller LD. **Am J Vet Res** 36(10):1501–4, Oct 75

[Induction of leukemia in Rauscher virus–resistant mice by mixed infection with M. arthritidis and Rauscher virus] Kagan Gla, et al. **Vopr Virusol** (2):171–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

RAUWOLFIA

ADVERSE EFFECTS

Letter: Rauwolfia derivatives and breast cancer. Jus A, et al. **Am J Psychiatry** 133(4):451–2, Apr 76

Editorial: Breast cancer and rauwolfia? **NZ Med J** 82(549):237–8, 8 Oct 75

ANALYSIS

Collaborative study of a spectrofluorometric assay for Rauwolfia serpentina tablets and powdered root. Smith WM, et al. **J Assoc Off Anal Chem** 59(4):811–6, Jul 76

The thin layer chromatographic behaviour of some rauwolfia alkaloids on silica gel layers. Court WE, et al. **Planta Med** 27(4):319–29, Jun 75

Further alkaloids from the roots of Rauwolfia obscura. Timmins P, et al. **Planta Med** 29(3):283–8, May 76

RAUWOLFIA ALKALOIDS

ADVERSE EFFECTS

Editorial: Rauwolfia derivatives and cancer. **Lancet** 2(7882):701–2, 21 Sep 74

Retrospective study of the association between use of rauwolfia derivatives and breast cancer in English women. Armstrong B, et al. **Lancet** 2(7882):672–5, 21 Sep 74

Rauwolfia derivatives and breast cancer in hypertensive women. Armstrong B, et al. **Lancet** 2(7975):8–12, 3 Jul 76

ISOLATION & PURIFICATION

Alkaloids of Rauwolfia cambodiana from Thailand. Boonchuay W, et al. **Planta Med** 29(3):201–7, May 76

The thin layer chromatographic behaviour of some rauwolfia alkaloids on silica gel layers. Court WE, et al. **Planta Med** 27(4):319–29, Jun 75

Further alkaloids from the roots of Rauwolfia obscura. Timmins P, et al. **Planta Med** 29(3):283–8, May 76

METABOLISM

[Plasma levels and biliary and urinary elimination of raubasine, dehydroergocristine and dihydroergotamine after venous administration in anesthetized dogs] Marzo A, et al. **Boll Soc Ital Biol Sper** 51(11):684–6, 15 Jun 75 **(Ita)**

THERAPEUTIC USE

[Observations during ambulatory therapy of functional and organic circulatory disorders with Defluina] Brüning G. **Med Welt** 26(38):1737–41, 19 Sep 75 **(Ger)**

[Pharmacotherapeutic action of a hypotensive preparation made of grey rauwolfia roots] Bazhenova NI. **Sov Med** (10):73–7, Oct 75 (Eng. Abstr.) **(Rus)**

RAUWOLSCINE see under **YOHIMBINE**

RAYNAUD'S DISEASE

Letter: Raynaud Phenomenon in pregnancy. Cook WA. **JAMA** 235(2):145–6, 12 Jan 76

Letter: Raynaud phenomenon. Schatz IJ, et al. **JAMA** 235(5):476, 2 Feb 76

[Analysis of local vascular disorder in Raynaud's disease] Perli PD, et al. **Klin Med (Mosk)** 54(2):30–4, Feb 76 (Eng. Abstr.) **(Rus)**

BLOOD

Blood viscosity, plasma proteins, and Raynaud syndrome. Tietjen GW, et al. **Arch Surg** 110(11):1343–6, Nov 75

Proceedings: Blood viscosity studies in patients with Raynaud's syndrome. Goyle KB, et al. **Br J Surg** 62(8):653–4, Aug 75

Proceedings: Changes in blood viscosity and plasma proteins with Raynaud's phenomenon. Tietjen GW, et al. **J Cardiovasc Surg (Torino)** 17(1):86, Jan–Feb 76

Letter: Abnormal blood viscosity in Raynaud's phenomenon. Forconi S, et al. **Lancet** 2(7985):586, 11 Sep 76

Abnormal blood viscosity in Raynaud's phenomenon. Goyle KB, et al. **Lancet** 1(7973):1317–8, 19 Jun 76

CHEMICALLY INDUCED

Letter: Raynaud's disease and the oral contraceptive pill. Eastcott HH. **Br Med J** 2(6033):477, 21 Aug 76

Letter: Raynaud's phenomenon as side effect of beta–blockers. Marsden CW, et al. **Br Med J** 2(6028):176, 17 Jul 76

Letter: Raynaud's phenomenon as side effect of beta–blockers. Marshall A, et al. **Br Med J** 2(6030):301, 31 Jul 76

Raynaud's phenomenon as side effect of beta–blockers in hypertension. Marshall AJ, et al. **Br Med J** 1(6024):1498–9, 19 Jun 76

Immunological mechanisms in the pathogenesis of vinyl chloride disease. Ward AM, et al. **Br Med J** 1(6015):936–8, 17 Apr 76

Cryoglobulinemia in Raynaud's phenomenon due to vinyl chloride. Langauer–Lewowicka H, et al. **Int Arch Occup Environ Health** 36(3):197–207, 26 Jan 76

Raynaud's syndrome following self–administered intraarterial barbiturate. Singer A. **Mt Sinai J Med NY** 43(1):66–7, Jan–Feb 76

Clinical aspects of vinyl chloride disease: skin. Walker AE. **Proc R Soc Med** 69(4):286–9, Apr 76

[Peripheral circulatory disorders and acrocyanosis in arsenic exposed Moselle wine–growers] Grobe VJ. **Berufsdermatosen** 24(3):78–84, Jun 76 (Eng. Abstr.) **(Ger)**

[Allergic vasculitis] Belinskaia LP, et al. **Vrach Delo** (11):41–3, Nov 75 **(Rus)**

COMPLICATIONS

Hemicrania and Raynaud's phenomenon; manifestations of the same disease? Atkinson RA, et al. **Headache** 16(1):1–3, Mar 76

Case report. Two cases of pulmonary hypertension with Raynaud's phenomenon. Primary pulmonary hypertension and systemic lupus erythematosus. Kanemoto N, et al. **Jpn Heart J** 16(3):354–60, May 75

Severe vasospasm following ergot administration. Robb LG. **West J Med** 123(3):231–5, Sep 75

[The Sharp syndrome ('mixed connective tissue disease')] Rosenthal M. **Schweiz Med Wochenschr** 106(5):129–34, 31 Jan 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Pulmonary hypertension associated with Raynaud's phenomenon] Hiyama Y, et al. **Jpn Circ J** 39(7):854–5, Jul 75 **(Jpn)**

DIAGNOSIS

[Letter: Raynaud's syndrome] Schoop W. **Dtsch Med Wochenschr** 101(5):185, 30 Jan 76 **(Ger)**

[Does Raynaud's disease really exist? (author's transl)] Heinrich P, et al. **Zentralbl Chir** 101(10):586–90, 1976 (Eng. Abstr.) **(Ger)**

[Correlations between angiography and thermography using liquid crystals on a plate in Raynaud's syndrome] Raso AM, et al. **Minerva Med** 66(76):3985–9, 10 Nov 75 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Proceedings: Treatment of Raynaud's syndrome with stanozolol. Jarrett PE, et al. **Br J Surg** 62(8):654, Aug 75

Liquid crystal thermography: a measure of therapeutic response to reserpine given intra–arterially. Chandler C Jr. **South Med J** 69(5):614–5, May 76

[Parameters for the measurement of long–term effects of an orally administered drug in organic and functional circulatory disorders. Preliminary communication] Schuster CJ, et al. **ZFA** 52(2):105–10, 20 Jan 76 **(Ger)**

ETIOLOGY

Esophageal dysfunction and Raynaud's phenomenon in patients with scleroderma. Hurwitz AL, et al. **Am J Dig Dis** 21(8):601–6, Aug 76

Immunologic studies on the pathogenesis of Raynaud's phenomenon in vibration disease. Langauer–Lewowicka H. **Int Arch Occup Environ Health** 36(3):209–16, 26 Jan 76

Myotonic dystrophy with Raynaud's phenomena. Agrawal AK, et al. **J Assoc Physicians India** 23(6):377–80, Jun 75

Raynaud's phenomenon due to arterial occlusive disease of the wrist and hand. Dale WA. **J Tenn Med Assoc** 69(1):22–5, 28, Jan 76

Vasospastic diseases: a review. Coffman JD, et al. **Prog Cardiovasc Dis** 18(2):123–46, Sep–Oct 75

A health survey of granite workers in Finland: radiographic findings, respiratory function, hearing, electric sensory thresholds of the fingers and subjective symptoms. Ahlman K, et al. **Scand J Work Environ Health** 1(2):109–16, Jun 75

[Primary and secondary Raynaud's syndrome] Bollinger A, et al. **Schweiz Med Wochenschr** 106(12):415–21, 20 Mar 76 (Eng. Abstr.) **(Ger)**

[Raynaud syndrome of unusual etiology] Urai L, et al. **Orv Hetil** 117(23):1406–7, 6 Jun 76 **(Hun)**

[Vibration injuries to the hands] Thulesius O. **Lakartidningen** 73(24):2269–70, 9 Jun 76 **(Swe)**

IMMUNOLOGY

Immunoglobulins in workers with traumatic vasospastic disease. Knutsson A. **J Occup Med** 17(11):706–7, Nov 75

[Connective tissue diseases (author's transl)] Appelboom T, et al. **J Belge Rhumatol Med Phys** 29(4):196–201, Jul–Aug 1974 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Mixed connective tissue disease] Machtey I, et al. **Harefuah** 90(6):267–71, 15 Mar 76 (Eng. Abstr.) **(Heb)**

PHYSIOPATHOLOGY

Hemodynamic effects of intravenous alcohol on patients with ischemic limb disease. Turnipseed W, et al. **J Surg Res** 20(5):477–8, May 76

[Systemic arterial hypertension and Raynaud's phenomenon in subjects with primary pulmonary hypertension] Purgaro A. **Boll Soc Ital Cardiol** 18(10):1013–4, 1973 **(Ita)**

RADIOGRAPHY

The value of arteriography of the hand in the Raynaud's syndrome. Kent SJ, et al. **J Cardiovasc Surg (Torino)** 17(1):72–80, Jan–Feb 76

SURGERY

Physiological basis of sympathetic surgery for the upper limb in Raynaud's diseases. Arnulf G. **J Cardiovasc Surg (Torino)** 17(4):354–7, Jul–Aug 76

Supraclavicular approach for upper dorsal sympathectomy. Khanna SK, et al. **Vasc Surg** 9(3):151–9, May–Jun 75

Axillary sympathectomy for upper extremities. Man B, et al. **Vasc Surg** 10(3):138–43, May–Jun 76

THERAPY

The treatment of peripheral vascular disease. Forrest H. **Practitioner** 215(1288):431–7, Oct 75 (25 ref.)

[The treatment of trophic disorders due to acrocyanosis by ligature of the dorsalis pedis artery (author's transl)] Lefaucher C, et al. **Ann Chir** 30(2):135–40, Feb 76 (Eng. Abstr.) **(Fre)**

REACTION TIME

Lateral stimulus–response compatibility effects in the oculomotor system. Bertera JH, et al. **Acta Psychol (Amst)** 39(3):175–81, Jun 75

The effect of irrelevant spatial correspondences on two–choice response–time. Hedge A, et al. **Acta Psychol (Amst)** 39(6):427–39, Dec 75

Selective preparation and time uncertainty. Holender D, et al. **Acta Psychol (Amst)** 39(3):193–203, Jun 75

Sequential effects in an eight choice serial reaction time task. Kirby NH. **Acta Psychol (Amst)** 39(3):205–16, Jun 75

The acoustic similarity effect. Marcer D. **Acta Psychol (Amst)** 39(3):237–9, Jun 75

Processing capacity requirements of stimulus encoding. Millar K. **Acta Psychol (Amst)** 39(5):393–410, Oct 75

High order sequential effects and the negative gradient of the relationship between simple reaction–time and foreperiod duration. Possamai CA, et al. **Acta Psychol (Amst)** 39(4):263–70, Aug 75

The role of the response in psychological refractoriness. Wakelin DR. **Acta Psychol (Amst)** 40(2):163–75, Apr 76

Reflection of information analysis of stimuli and motor preparedness in different components of sensory evoked potentials. Rootman EM, et al. **Agressologie** 16(3):131–5, 1975

The human channel capacity and manner of activity. Thiskaridze MA. **Agressologie** 16(3):141–5, 1975

Response–stimulus interval performance of moderately retarded institutionalized subjects. Friedrich D, et al. **Am J Ment Defic** 80(3):281–5, Nov 75

IQ, mental age, complexity, and trial blocks and the response latency of retarded and nonretarded children. Morelan SJ. **Am J Ment Defic** 80(4):437–41, Jan 76

Effects of stimulus–response variables on the choice reaction time of mildly retarded adults. Nettelbeck T, et al. **Am J Ment Defic** 81(1):85–92, Jul 76

Binocular summation and peripheral visual response time. Gilliland K, et al. **Am J Optom Physiol Opt** 52(12):834–9, Dec 75

Reaction times in Parkinson disease. Heilman KM, et al. **Arch Neurol** 33(2):139–40, Feb 76

Responses of male golden hamsters (Mesocricetus auratus) to clean and male scented areas. Alderson J, et al. **Behav Biol** 15(4):505–10, Dec 75

Effects of warning–signal modality on the contingent negative variation (CNV). Gaillard AW. **Biol Psychol** 4(2):139–54, Jun 76

Some interrelationships among the regression coefficient estimates arising in a class of models appropriate to response–time data. Byar DP, et al. **Biometrics** 31(4):943–7, Dec 75

The effects of negative relatedness upon word–picutre and word–word comparisons and subsequent recall. Gellatly AR, et al. **Br J Psychol** 66(3):311–23, Aug 75

Choice reaction times in depressive states. Byrne DG. **Br J Soc Clin Psychol** 15(2):149–56, Jun 76

Attention and information processing in schizophrenia. Hemsley DR. **Br J Soc Clin Psychol** 15(2):199–209, Jun 76

Cingulate unit activity and delayed response. Niki H, et al. **Brain Res** 110(2):381–6, 9 Jul 76

Reaction time to square–wave gratings as a function of spatial frequency, complexity and contrast. Tartaglione A, et al. **Brain Res** 100(1):111–20, 12 Dec 75

Simple reaction–times to speech and non–speech stimuli. Fry DB. **Cortex** 11(4):355–60, Dec 75

Proceedings: Preferred hand and set–dependency of reaction time. Nakamura R. **Electroencephalogr Clin Neurophysiol** 39(5):541, Nov 75

Latencies of evoked potentials to flicker and to pattern speedily estimated by simultaneous method. Regan D.

Electroencephalogr Clin Neurophysiol 40(6):654–60, Jun 76

Changes in subsidiary reaction time and heart-rate during car driving, passenger travel and stationary conditions. Laurell H, et al. **Ergonomics** 19(2):149–56, Mar 76

Response speed as a function of sensory pattern and alcohol in a velocity judgement task. Salvatore S. **Ergonomics** 18(5):491–502, Sep 75

The effect of various levels of strenuous to exhaustive exercise on reaction time. Bender VL, et al. **Eur J Appl Physiol** 35(2):95–101, 21 Jun 76

Effects of fatiguing isometric exercise upon achilles tendon reflex and plantar flexion reaction time components in man. Hayes KC. **Eur J Appl Physiol** 34(2):69–79, 4 Apr 75

Quantitative studies of intracellular postsynaptic potentials in the lateral geniculate nucleus of the cat with respect to optic tract stimulus response latencies. Eysel UT. **Exp Brain Res** 25:469–86, 28Jul 76

Long-latency corticocortical evoked responses in squirrel monkey frontal cortex. Boyd EH, et al. **Exp Neurol** 51(1):22–40, Apr 76

Effects of brain surgery and EEG operant conditioning on seizure latency following monomethylhydrazine intoxication in the cat. Sterman MB. **Exp Neurol** 50(3):757–65, Mar 76

Reaction time as an index of traffic sign perception. Dewar RE, et al. **Hum Factors** 18(4):381–91, Aug 76

A real-time cross correlator for neurophysiological research. Arnett DW, et al. **IEEE Trans Biomed Eng** 23(1):65–70, Jan 76

Rhythmic variations in reaction time, heart rate, and blood pressure at different durations of the menstrual cycle. pp. 325–33. Engel P, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Lag responses in mood reports to changes in the weather matrix. Persinger MA. **Int J Biometeorol** 19(2):108–14, Jun 75

Human reaction time variability changes from low intensity 3-hz and 10-hz electric fields: interactions with stimulus pattern, sex and field intensity. Persinger MA, et al. **Int J Biometeorol** 19(1):56–64, Mar 75

Auditory processing speed and signal detection in schizophrenia. Korboot PJ, et al. **J Abnorm Psychol** 85(3):287–95, Jun 76

Warned reaction times of manic-depressive patients with and without lithium. Pfeiffer K, et al. **J Abnorm Psychol** 85(2):194–200, Apr 76

Time-linked impairment in schizophrenic reaction time performance. Steffy RA, et al. **J Abnorm Psychol** 84(4):315–24, Aug 75

Processing auditory information: interaction of two population stereotypes. Simon JR, et al. **J Appl Psychol** 61(3):354–8, Jun 76

Reaction time performance of behaviorally deviant children: effects of prior preparatory interval and reinforcement. Kupietz SS, et al. **J Child Psychol Psychiatry** 17(2):123–31, Apr 76

Passive avoidance behavior in rats after electroconvulsive shock: facilitative effect of response retardation. Sara SJ, et al. **J Comp Physiol Psychol** 89(5):489–97, Jul 75

Span and rate of apprehension in children and adults. Chi MT, et al. **J Exp Child Psychol** 19(3):434–9, Jun 75

A developmental study of choice reaction time: the effect of two forms of stimulus degradation on encoding. Maisto AA, et al. **J Exp Child Psychol** 20(3):456–64, Dec 75

Hemispheric processing differences revealed by differential conditioning and reaction time performance. Hellige JB. **J Exp Psychol [Gen]** 104(4):309–26, Dec 75

The familiarity effect for single-letter pairs. Ambler BA, et al. **J Exp Psychol [Hum Percept]** 2(2):222–34, May 76

Extraversion, arousal, and speed of retrieval from secondary storage. Eysenck MW. **J Pers** 43(3):390–401, Sep 75

Proceedings: Activities of motor cortex neurons during simple reaction time responses in monkeys. Yumiya H. **J Physiol Soc Jpn** 36(8–9):336, 1 Sep 74

The effects of word length and visual complexity on verbal reaction times. Brennan DG, et al. **J Speech Hear Res** 19(1):141–55, Mar 76

Pitch-synchronous response of cat cochlear nerve fibers to speech sounds. Hashimoto T, et al. **Jpn J Physiol** 25(5):633–44, 1975

Prefrontal unit activity during delayed-response and delayed-alternation performances. Kubota K. **Jpn J Physiol** 25(4):481–93, 1975

Ear asymmetry in reaction time tasks as a function of handedness. Klisz DK, et al. **Neuropsychologia** 13(3):323–30, Sep 75

Parallel-serial processing and hemispheric function. White MJ, et al. **Neuropsychologia** 13(3):377–81, Sep 75

Note on decision time/movement time relationships in normal and depressed subjects. Byrne DG. **Percept Mot Skills** 41(3):907–10, Dec 75

Effects of stimulus-response correspondence and verbal expectancy on choice reaction time. Craft JL, et al. **Percept Mot Skills** 41(1):323–6, Aug 75

Differential reinforcement of reaction times in developmental retardates. Hasazi JE, et al. **Percept Mot Skills** 41(2):631–4, Oct 75

Latency differences to monochromatic stimuli measured by disjunctive reaction time. Jones PD, et al. **Percept Mot Skills** 41(1):55–9, Aug 75

Reaction times and Digit Symbol Test scores of girls identified as daydreamers by their teachers. Leviton A, et al. **Percept Mot Skills** 43(1):239–44, Aug 76

Is the reaction time-movement time relationship 'essentially zero'? Magill RA, et al. **Percept Mot Skills** 41(3):720–2, Dec 75

Monaural ear differences for same-different reaction times to speech with prior knowledge of ear stimulated. Morais J. **Percept Mot Skills** 41(3):829–30, Dec 75

Preferred hand and steadiness of reaction time. Nakamura R, et al. **Percept Mot Skills** 42(3):983–8, Jun 76

Response latencies in visual monitoring. Parasuraman R. **Percept Mot Skills** 40(2):636, Apr 75

Inhibitory effect of a second stimulus on reaction time to a primary stimulus: a partial successful replication. Rakover SS, et al. **Percept Mot Skills** 41(2):635–41, Oct 75

Another dimension for assessment of speech-sound discrimination: latency of response. Schwartz AH, et al. **Percept Mot Skills** 40(3):819–26, Jun 75

Heart-rate effects on human reaction time. Surwillo WW. **Percept Mot Skills** 43(1):291–4, Aug 76

Betel quid and reaction time. Stricherz ME, et al. **Pharmacol Biochem Behav** 4(5):627–8, May 76

Stage analysis of reaction time. Taylor DA. **Psychol Bull** 83(2):161–91, Mar 76

Human variable—interval performance. Bradshaw CM, et al. **Psychol Rep** 38(3 pt. 1):881–2, Jun 76

'Dwelling' time, operant measure of 'depression' effect in escape conditioning. Calef RS, et al. **Psychol Rep** 37(3 Pt 1):837–8, Dec 75

Contingent negative variation and cardiac deceleration in a long preparatory interval: a developmental study. Klorman R. **Psychophysiology** 12(6):609–17, Nov 75

Reaction time and heart rate between the GET SET and GO of simulated races. Stern RM. **Psychophysiology** 13(2):149–54, Mar 76

Attention and hemispheric differences in reaction time during simultaneous audio-visual tasks. Geffen G, et al. **Q J Exp Psychol** 25(3):404–12, Aug 73

Effect of puberty on reaction and movement times. Fulton CD, et al. **Res Q Am Assoc Health Phys Educ** 46(3):335–44, Oct 75

Motor and sensory set effects on grab-start times of champion female swimmers. Krahenbuhl GS, et al. **Res Q Am Assoc Health Phys Educ** 46(4):441–6, Dec 75

A reaction time study of hypokinesia in Parkinson's disease. Heilman KM, et al. **Trans Am Neurol Assoc** 100:199–200, 1975

Simple reaction time as a measure of the temporal response properties of transient and sustained channels. Breitmeyer BG. **Vision Res** 15(12):1411–2, Dec 75

Perceptual latencies to sinusoidal gratings. Lupp U, et al. **Vision Res** 16(9):969–72, 1976

Luminance-duration relation in reaction time to spectral stimuli. Ueno T. **Vision Res** 16(7):721–5, 1976

Saccadic eye movement characteristics to the double-step stimuli. Nam MH, et al. **Yonsei Med J** 16(2):65–71, 1975

[Diagnostic possibilities during spa treatments of mental diseases. I. Decreased sensory irritability and personality profile] Grünner O. **Fysiatr Reumatol Vestn** 53(6):369–76, Dec 75 **(Cze)**

[Delayed initiation of voluntary movements after pyramidal lesions in man (author's transl)] Jung R, et al. **Arch Psychiatr Nervenkr** 221(2):87–109, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Modification of the reaction capacity of chronic uremia patients through hemodialysis] Raabe H, et al. **Z Urol Nephrol** 68(3):181–5, Mar 75 **(Ger)**

[Simple reaction times and nonstructuralized lateralized visual stimuli, in subjects responding to crossed and uncrossed hands] Anzola GP, et al. **Boll Soc Ital Biol Sper** 51(20):1440–4, 30 Oct 75 **(Ita)**

[Various action times during the presentation of physiognomic material in normal male and female subjects] Perez E, et al. **Boll Soc Ital Biol Sper** 51(20):1445–50, 30 Oct 75 **(Ita)**

[Role of the silent period preceding the rapid voluntary movement (author's transl)] Yabe K, et al. **J Physiol Soc Jpn** 37(5):91–8, 1 May 75 (Eng. Abstr.) **(Jpn)**

[Visual perception, reaction time and their alteration under the influence of alcohol in patients with remote sequelae of closed cranio-cerebral trauma] Reshchikova TN. **Zh Nevropatol Psikhiatr** 75(11):1682–8, 1975 (Eng. Abstr.) **(Rus)**

[A study of the phases of audiovisual interaction] Bagdonas A, et al. **Zh Vyssh Nerv Deiat** 25(5):908–15, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Subclinical psychomotor and neuromuscular changes in workers exposed to inorganic mercury. Miller JM, et al. **Am Ind Hyg Assoc J** 36(10):725–33, Oct 75

The effects of brief exposures to carbon monoxide on temporally differentiated responding. Ator NA, et al. **Environ Res** 12(1):75–80, Aug 76

Studies on morphine analgesia. Raina RK. **Indian J Physiol Pharmacol** 19(1):43–6, Jan-Mar 75

The correlation between antinociceptive activity of narcotics and their antagonists as measured in the mouse tail-flick test and increased synthesis of brain catecholamines. Bloom AS, et al. **J Pharmacol Exp Ther** 198(1):33–41, Jul 76

Ethanol induced slowing of human reaction time and speed of voluntary movement. King HE. **J Psychol** 90(Second Half):203–14, Jul 75

Cannabis intoxication: effects of monetary incentive on performance, a controlled investigation of behavioural tolerance in moderate users of cannabis. Casswell S. **Percept Mot Skills** 41(2):423–34, Oct 75

Effects of set, setting, and sedatives, on reaction time. Levine HD, et al. **Percept Mot Skills** 42(2):403–12, Apr 76

Profile of drug effects on temporally spaced responding in rats. Ando K. **Pharmacol Biochem Behav** 3(5):833–41, Sep-Oct 75

Some effects of ACTH4-10 on performance during a continuous reaction task. Gaillard AW, et al. **Prog Brain Res** 42:209–10, 1975

The effect of caffeine on human performance, alone and in combination with ethanol. Franks HM, et al. **Psychopharmacologia** 45(2):177–81, 31 Dec 75

Some effects of ACTH 4–10 on performance during a serial reaction task. Gaillard AW, et al. **Psychopharmacologia** 42(2):201–8, 28 May 75

The effects of high doses of oxprenolol and of propranolol on pursuit rotor performance, reaction time and critical flicker frequency. Ogle CW, et al. **Psychopharmacologia** 46(3):295–9, 15 Apr 76

The effects of tranquillizing drugs on timing behaviour in rats. Sanger DJ, et al. **Psychopharmacologia** 44(2):153–6, 31 Oct 75

Chlorpromazine effects on brain activity (contingent negative variation) and reaction time in normal women. Tecce JJ, et al. **Psychopharmacologia** 43(3):293–5, 17 Sep 75

An evaluation of the hot plate technique to study narcotic antagonists. Heilman RD, et al. **Res Commun Chem Pathol Pharmacol** 13(4):635–47, Apr 76

Exposure to methylene chloride. II. Psychological functions. Gamberale F, et al. **Scand J Work Environ Health** 1(2):95–103, Jun 75

[Simultaneous recording of visually evoked potentials (VEP) and registration of simple visual reaction times (RT) in the maximum range of ethanol influence (author's transl)] Taghavy A, et al. **Arzneim Forsch** 26(6):1125–6, 1976 (Eng. Abstr.) **(Ger)**

[Alcohol-dependent performance decrease in relationship to age] Luff K, et al. **Hefte Unfallheilkd** (121):410–7, 1975 **(Ger)**

PHYSIOLOGY

Auditory evoked potentials of the human brain on choice and pseudo-choice tasks. Angelov A, et al. **Agressologie** 15(7):407–13, 1974

Lateral facilitation of Hoffmann-reflexes prior to voluntary movement in a choice reaction time task. Michie PT, et al. **Appl Neurophysiol** 38(3):191–6, 1975

Long-latency evoked potentials to irrelevant, deviant stimuli. Snyder E, et al. **Behav Biol** 16(3):319–31, Mar 76

Effects of warning-signal duration on the early and late components of the contingent negative variation. Klorman R, et al. **Biol Psychol** 3(4):263–75, Dec 75

The electroencephalogram in the prediction of human reaction time during growth and development. Surwillo WW. **Biol Psychol** 3(2):79–90, Sep 75

Reaction-time variability, periodicities in reaction-time distributions, and the EEG gating-signal hypothesis. Surwillo WW. **Biol Psychol** 3(4):247–61, Dec 75

The electroencephalogram in the prediction of human reaction time during growth and development. Surwillo WW. **Biol Psychol** 3(2):79–90, Sep 75

Arousal and speed of recall. Eysenck MW. **Br J Soc Clin Psychol** 14(3):269–77, Sep 75

Prefrontal unit activity and delayed response: relation to cue location versus direction of response. Niki H, et al. **Brain Res** 105(1):79–88, 19 Mar 76

On the sequencing of action. Welford AT. **Brain Res** 71(2–3):381–92, 17 May 74 (30 ref.)

Sleep loss effects on movement time. Buck L. **Ergonomics** 18(4):415–25, Jul 75

Abnormal EEG and visual reaction time. Yamada H, et al. **Fukuoka Acta Med** 67(3):90–101, Mar 76

A comparison of interhemispheric transmission times as measured by verbal and manual reaction time. Kleinman KM, et al. **Int J Neurosci** 6(6):285–8, 1976

The effects of reward and punishment on reaction times and autonomic activity in hyperactive and normal children. Firestone P, et al. **J Abnorm Child Psychol** 3(3):201–16, 1975

Olfactory basis for the delayed onset of maternal behavior in virgin female rats: experimential effects. Mayer AD, et al. **J Comp Physiol Psychol** 89(7):701–10, Sep 75

Visual reaction times during prolonged angular acceleration parallel the subjective perception of rotation. Mattson DL. **J Exp Psychol [Hum Percept]** 1(4):404–10, Nov 75

Material specific hemispherical arousal. Bowers D, et al. **Neuropsychologia** 14(1):123–7, 1976

The laterality effect in reaction time to speech stimuli. Catlin J, et al. **Neuropsychologia** 14(1):141–3, 1976

What happens between an external stimulus and an overt response? A study of covert behavior. McGuigan FJ, et al. **Pavlov J Biol Sci** 10(2):112–9, Apr-Jun 75

Conjugate lateral eye movement and latency of verbal response to arithmetic questions. Croghan LM, et al. **Percept Mot Skills** 40(2):647–50, Apr 75

Effects of incentive and preparatory interval on activity, heart rate, and reaction time in children. Elliott R. **Percept Mot Skills** 42(1):3–13, Feb 76

Synchronization error in bilateral simultaneous flexion of elbows. Nakamura R, et al. **Percept Mot Skills** 40(2):527–32,

Apr 75
Cardiac cycle phase and movement and reaction times. Saari MJ, et al. **Percept Mot Skills** 42(3):767–70, Jun 76
Preferred tempo in performance of repetitive movements. Smoll FL. **Percept Mot Skills** 40(2):439–42, Apr 75
Reaction times and their left–to–right differences in bilateral symmetrical movements. Hongo T, et al. **Physiol Behav** 16(4):477–82, Apr 76
Auditory signal detectability and facilitation of simple reaction time in psychiatric patients and non–patients. Bruder GE, et al. **Psychol Med** 5(3):260–72, Aug 75
Cardiovascular and skin conductance correlates of a fixed–foreperiod reaction time task in retarded and nonretarded youth. Bower AC, et al. **Psychophysiology** 13(1):1–9, Jan 76
Stimulus specificity of electrodermal recovery time: an examination and reinterpretation of the evidence. Bundy RS, et al. **Psychophysiology** 12(4):406–11, Jul 75
Frontalis muscle tension and sleep latency. Good R. **Psychophysiology** 12(4):461–7, Jul 75
Average evoked potential changes as a function of processing complexity. Poon LW, et al. **Psychophysiology** 13(1):43–9, Jan 76
Relationships among EEG alpha frequency, reaction time, and age: a biofeedback study. Woodruff DS. **Psychophysiology** 12(6):673–81, Nov 75
Evoked potentials in reaction time with a variable foreperiod. Boddy J. **Q J Exp Psychol** 25(3):323–34, Aug 73
Letter versus dot stimuli as tools for 'splitting the normal brain with reaction time'. McKeever WF, et al. **Q J Exp Psychol** 27(3):363–73, Aug 75
[Latency and precision of saccades as a function of intensity, duration and retinal position of a stimulus] Prablanc C, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):484–8, Jul–Sep 74 **(Fre)**
[Postoperative mental blocking in a continuous reaction task. With supplementary results showing the influence of age (author's transl)] Bäumler G, et al. **Acta Neurochir (Wien)** 32(3–4):251–69, 1975 (Eng. Abstr.) **(Ger)**
[Relation of human reaction time to the level of spatial synchronization of cortical biopotentials] Vasil'ev IaA, et al. **Dokl Akad Nauk SSSR** 222(5):1249–51, 11 Jun 75 **(Rus)**

REACTIVE INHIBITION see under **INHIBITION (PSYCHOLOGY)**

REACTIVE SITE see **BINDING SITES**

READING

see related
ALEXIA
Individual differences in speed of phonemic analysis, visual analysis, and reading. Baron J, et al. **Acta Psychol (Amst)** 39(2):91–6, Apr 75
Lateral differences in tachistoscopic recognition of bilaterally presented verbal material. Kaufer I, et al. **Acta Psychol (Amst)** 39(5):369–76, Oct 75
The acoustic similarity effect. Marcer D. **Acta Psychol (Amst)** 39(3):237–9, Jun 75
Parafoveal identification during a fixation in reading. Rayner K. **Acta Psychol (Amst)** 39(4):271–82, Aug 75
Visual fatigue in reading microfilms. Seppälä P. **Agressologie** 16(3):147–50, 1975
The reading habits of deaf adults in Baltimore. McLaughlin J, et al. **Am Ann Deaf** 120(5):497–501, Oct 75
Modification of oral reading disfluency by a paced reading procedure. II–An experimental evaluation. Haney RR. **Am Correct Ther J** 30(3):75–9, May–Jun 76
Rx: Mother Goose, hs. Hall CB. **Am J Dis Child** 130(2):137–8, Feb 76
Effects of distinctive–feature training and instructional technique on letter and form discrimination. Guralnick MJ. **Am J Ment Defic** 80(2):202–7, Sep 75
Transfer as a result of synthetic and analytic reading instruction. Vandever TR, et al. **Am J Ment Defic** 80(5):498–503, Mar 76
Brain specialization for language does not depend on literacy. Damásio AR, et al. **Arch Neurol** 33(4):300–1, Apr 76
A page turner and reading stand for the physically handicapped. Crabb JJ, et al. **Br Dent J** 140(5):183–4, 2 Mar 76
Laterlity and reading attainment. Thomson M. **Br J Educ Psychol** 45(3):317–21, Nov 75
The use of current reading ability in the assessment of dementia. Nelson HE, et al. **Br J Soc Clin Psychol** 14(3):259–67, Sep 75
Editorial: Braille anniversary. **Br Med J** 3(5979):339–40, 9 Aug 75
The syndrome of hyperlexia. Elliott DE, et al. **Brain Lang** 3(3):339–49, Jul 76
Critical reading of words and phrases in aphasia. Gardner H, et al. **Brain Lang** 3(2):173–90, Apr 76
Television reading system. Blankenagel A, et al. **Child Care Health Dev** 1(5):369–72, Sep–Oct 75
'Paired reading' tuition: a preliminary report on a technique for cases of reading deficit. Morgan RT. **Child Care Health Dev** 2(1):13–28, Jan–Feb 76
Short–term memory and equivalence judgments in normal and retarded readers. Cummings EM, et al. **Child Dev** 47(1):286–9, Mar 76
Pictographs and prereading skills. Ferguson N. **Child Dev** 46(3):786–9, Sep 75
Children's recognition memory for written sentences: a comparison of good poor readers. Waller TG. **Child Dev** 47(1):90–5, Mar 76
Tactile–perceptual functioning in relation to intellectual, cognitive and reading skills in younger and older normal children. Alan M, et al. **Dev Med Child Neurol** 18(4):442–6, Aug 76
Conditioning therapy in reading epilepsy. de Weerdt CJ, et al. **Electroencephalogr Clin Neurophysiol** 39(4):417–20, Oct 75
Proceedings: Optokinetic study in children of school age: frequency, amplitude and rhythm. Gabersek V, et al. **Electroencephalogr Clin Neurophysiol** 39(5):552, Nov 75
Proceedings: Reading skills of children with generalized and focal epilepsy attending ordinary school. Stores G, et al. **Electroencephalogr Clin Neurophysiol** 39(4):429–30, Oct 75
Classroom behavior during reading instruction. Camp BW, et al. **Except Child** 42(2):109–10, Oct 75
The effects of perceptual motor training on reading achievement. pp. 162–81. Hirsch SM, et al. **In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.** (55 ref.)
Perception and reading ability in B.I. children. Simpson SA. **Isr Ann Psychiatry** 14(1):49–57, Mar 76
The effects of prompting question–asking upon on–task behavior and reading comprehension. Knapczyk DR, et al. **J Appl Behav Anal** 7(1):115–21, Spring 74
Elimination of bedtime thumbsucking in home setting through contingent reading. Knight MF, et al. **J Appl Behav Anal** 7(1):33–8, Spring 74
The effect of telegraphic prose on the reading behavior of blind and sighted students. Martin CJ, et al. **J Appl Psychol** 61(4):513–8, Aug 76
Reading ability in disturbed children. Gordon AG. **J Autism Child Schizo** 5(3):283, Sep 75
Identification of brain disorders by the Stroop Color and Word Test. Golden CJ. **J Clin Psychol** 32(3):654–8, Jul 76
Developmental changes in word recognition strategies. Rayner K. **J Educ Psychol** 68(3):323–9, Jun 76
Effects of density and format on letter discrimination by beginning readers with different learning styles. Sunshine PM, et al. **J Educ Psychol** 68(1):15–9, Feb 76
Word recognition cues used in matching verbal stimuli within and between auditory and visual modalities. Swenson I. **J Educ Psychol** 67(3):409–15, Jun 75
Reading achievement and creativity as related to open classroom experience. Ward WD, et al. **J Educ Psychol** 67(5):683–91, Oct 75
Detection errors on the word the: evidence for reading units larger than letters. Healy AF. **J Exp Psychol [Hum Percept]** 2(2):235–42, May 76
Preliminary letter identification in the perception of words and nonwords. McClelland JL. **J Exp Psychol [Hum Percept]** 2(1):80–91, Feb 76
A cognitive model of musical sight–reading. Wolf T. **J Psycholinguist Res** 5(2):143–71, Apr 76
The common cold: its effects on perceptual ability and reading comprehension among pupils of a seventh–grade class. Heazlett M, et al. **J Sch Health** 46(3):145–7, Mar 76
Letter: The reading retreat. Plitman GI. **JAMA** 235(9):906, 1 Mar 76
The conversion of printed characters into speechlike sound for a blind reading aid. Uttley AM. **Med Biol Eng** 13(2):285–93, Mar 75
Intelligence and reading achievement of EMR children in three educational settings. Carter JL. **Ment Retard** 13(5):26–7, Oct 75
Inheritance of reading epilepsy. Daly RF, et al. **Neurology (Minneap)** 25(11):1051–4, Nov 75
Lateral specialization for recognition of words and faces in good and poor readers. Marcel T, et al. **Neuropsychologia** 13(4):489–97, Oct 75
Editorial: Readers and writers. Golomb IM. **NY J Dent** 46(3):79–80, Mar 76
Editorial: Reading the journal. **NZ Med J** 82(551):307, 12 Nov 75
Effects of covert reinforcement on reading attitude with reinforcing scenes of varying intensity. Daniels LK. **Percept Mot Skills** 42(3):810, Jun 76
Increasing reading comprehension of two hyperactive children: preliminary investigation. Dubey DR, et al. **Percept Mot Skills** 41(3):691–4, Dec 75
Identification of tachistoscopically exposed symmetrical and asymmetrical letter arrays. Fudin R, et al. **Percept Mot Skills** 41(1):103–6, Aug 75
Visual discrimination: comparison of two methods. Fusaro JA, et al. **Percept Mot Skills** 42(2):654, Apr 76
Susceptibility to interference effects in short–term memory of normal and retarded readers. Leslie L. **Percept Mot Skills** 40(3):791–4, Jun 75
Auditory discrimination, intelligence, and reading achievement at grade 1. Machowsky H, et al. **Percept Mot Skills** 40(2):363–8, Apr 75
Peripheral vision training in reading speed and comprehension. Sailor AL, et al. **Percept Mot Skills** 41(3):761–2, Dec 75
Measures of visual–auditory integration and their relations to reading achievement in early grades. Warren DH, et al. **Percept Mot Skills** 41(2):615–30, Oct 75
Directionality in four Bender–Gestalt figures: III. Weiss AA. **Percept Mot Skills** 40(2):595–8, Apr 75
Word recognition in a phonemic dyslexic patient. Shallice T, et al. **Q J Exp Psychol** 27(2):187–99, May 75
Visual perception of musical notation: registering pitch symbols in memory. Sloboda JA. **Q J Exp Psychol** 28(1):1–16, Feb 76
Pattern–analyzing memory. Kolers PA. **Science** 191(4233):1280–1, 26 Mar 76
Partial sight–partial achievement? Lansdown R. **Spec Educ Forward Trends** 2(2):11–3, Jun 75
What guides a reader's eye movements? Rayner K, et al. **Vision Res** 16(8):829–37, 1976
[A case of reading epilepsy: effects of attention and reading tests on EEG and 'H' reflex] Willer JC, et al. **Electroencephalogr Clin Neurophysiol** 39(4):421–4, Oct 75 (Eng. Abstr.) **(Fre)**
[Electro–oculography in the study of learning to read] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):495–500, Jul–Sep 74 **(Fre)**
[Reading epilepsy: 7 cases] Vercelletto P, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):258–63, Jul–Sep 75 **(Fre)**
[Vibrotactile stimulation for a reading aid for the blind] Ide H, et al. **Jpn J Med Electron** 13(5):282–6, Oct 75 (Eng. Abstr.) **(Jpn)**
[An analysis of individual differences in reading abilities of the partially sighted children (author's transl)] Okada A. **Jpn J Psychol** 46(3):165–70, Aug 75 **(Jpn)**

READING DISABILITY see **DYSLEXIA**

REAGENT STRIPS see under **INDICATORS AND REAGENTS**

REAGENTS see **INDICATORS AND REAGENTS**

REAGINS see under **ANTIBODIES**

REALITY THERAPY

Effects of reality orientation classroom on memory loss, confusion, and disorientation in geriatric patients. Barnes JA. **Gerontologist** 14(2):138–42, Apr 74
Effects of an individualized activity program on elderly patients. Salter CL, et al. **Gerontologist** 15(5 PT 1):404–6, Oct 75
Reality orientation. A multi–disciplinary therapeutic approach. Degun G. **Nurs Times** 72(33):suppl:117–20, 19 Aug 76

RECALL see under **MEMORY**

RECEPTORS, ADRENERGIC

Regulation of calcium transport by cyclic AMP. A proposed mechanism for the beta–adrenergic control of myocardial contractility. Tada M, et al. **Acta Cardiol (Brux)** 30(4):231–7, 1975
Adrenergic innervation of the human parathyroid glands. Norberg KA, et al. **Acta Chir Scand** 141(5):319–22, 1975
Tolbutamide and practolol. De Divitiis, et al. **Acta Diabetol Lat** 11(6):495–7, Nov–Dec 74
Influence of pH and pCO2 on alpha–receptor mediated contraction in brain vessels. Edvinsson L, et al. **Acta Physiol Scand** 97(3):325–31, Jul 76
Reflexogenic contraction of the ileo–cecal sphincter in the cat following small or large intestinal distension. Pahlin PE, et al. **Acta Physiol Scand** 95(1):126–32, Sep 75
Neurogenic mechanisms in the cerebrovascular bed. Autonomic nerves, amine receptors and their effects on cerebral blood flow. Edvinsson L. **Acta Physiol Scand [Suppl]** (427):1–35, 1975 (146 ref.)
On the functional role of pre– and postsynaptic catecholamine receptors in brain. Strömbom U. **Acta Physiol Scand [Suppl]** 431:1–43, 1975
Involvement of alpha–adrenergic receptors at different levels of the central nervous system in the regulation of blood pressure and heart frequency. Trolin GG. **Acta Physiol Scand [Suppl]** (430):1–41, 1975
Experiments on the role of virus infections in the pathogenesis of bronchial asthma. The role of innate or acquired insufficiency or ergotropic adaptation in the mechanism of genesis of bronchial asthma. Filipp G. **Allergol Immunopathol (Madr)** 4(1):15–28, Jan–Feb 76
Letter: Borderline hypertension and norepinephrine. Kessler KM. **Am Heart J** 91(2):268–9, Feb 76
Prinzmetal's variant form of angina as a manifestation of alpha–adrenergic receptor–mediated coronary artery spasm: documentation by coronary arteriography. Yasue H, et al. **Am Heart J** 91(2):148–55, Feb 76
Coronary vascular sympathetic beta–receptor innervation. Hamilton FN, et al. **Am J Physiol** 230(6):1569–76, Jun 76
Dispersed rat parotid acinar cells. II. Characterization of adrenergic receptors. Mangos JA, et al. **Am J Physiol** 229(3):560–5, Sep 75
alpha– and beta–adrenergic receptors in regulation of ionic transport in frog cornea. Montoreano R, et al. **Am J Physiol** 230(6):1487–93, Jun 76
Participation of beta receptors in reflex vasodilatation in the dog. Rengo F, et al. **Am J Physiol** 230(5):1444–8, May 76
Adrenergic receptor and epinephrine–induced hyperglycemia and glucose tolerance. Skikama H, et al. **Am J Physiol** 229(4):962–6, Oct 75
The dopamine hypothesis of schizophrenia: focus on the

dopamine receptor. Snyder SH. **Am J Psychiatry** 133(2):197-202, Feb 76

Catecholamine functions. Axelsson J. **Annu Rev Physiol** 33:1-30, 1971 (265 ref.)

Regional variation in the distribution of alpha-adrenoreceptors in the vas deferens of the rat. Vardolov L, et al. **Arch Int Pharmacodyn Ther** 221(2):212-2, Jun 76

Beta-Adrenergic receptors: solubilization of (-)(3H)alprenolol binding sites from frog erythrocyte membranes. Caron MG, et al. **Biochem Biophys Res Commun** 68(2):315-22, 26 Jan 76

Adrenergic and cholinergic stimulation of 32P-labeling of phospholipids in rabbit iris muscle. Abdel-Latif AA, et al. **Biochem Pharmacol** 25(4):461-9, 15 Feb 76

The adrenergic antagonism of amiodarone. Polster P, et al. **Biochem Pharmacol** 25(2):131-4, 15Jan 76

The beta-adrenergic receptor and adenylate cyclase. Lefkowitz RJ, et al. **Biochim Biophys Acta** 457(1):1-39, 13 Apr 76 (155 ref.)

Roles of alpha and beta adrenergic receptors in control of glucose oxidation in hamster epididymal adipocytes. Schimmel RJ. **Biochim Biophys Acta** 428(2):379-87, 23 Apr 76

Effects of adrenergic drugs administered during ovum transport and chemical sympathectomy of the oviduct on fertility in rabbits. Hodgson BJ, et al. **Biol Reprod** 13(2):142-6, Sep 75

In vitro studies of subcalyceal upper urinary tract muscle in multicalyceal kidneys. Longrigg N. **Br J Urol** 47(5):473-80, Oct 75

Beta-adrenergic receptor binding: synaptic localization in rat brain. Davis JN, et al. **Brain Res** 113(1):214-8, 20 AUG 76

Ultrastructural identification of noradrenergic boutons in mutant and normal mouse cerebellar cortex. Landis SC, et al. **Brain Res** 96(2):299-305, 17 Oct 75

Norepinephrine uptake by cerebral synaptosomes of mouse: strain differences. Moisset B, et al. **Brain Res** 92(1):157-64, 4 Jul 75

Diencephalic dopamine receptors and regulation of pituitary-testicular system. Naumenko EV, et al. **Brain Res** 110(3):537-45, 16 Jul 76

Topographical distribution of dopaminergic innervation and of dopaminergic receptors in the rat striatum. I. Mictoestimation of [3H] dopamine uptake and dopamine content in microdiscs. Tassin JP, et al. **Brain Res** 107(2):291-301, 7 May 76

A pharmacological analysis of the adrenergic and cholinergic mechanisms regulating branchial vascular resistance in the rainbow trout (Salmo gairdneri). Wood CM. **Can J Zool** 53(11):1569-77, Nov 75

Development of 'resistance' in beta-adrenergic receptors of asthmatic patients. Svedmyr NL, et al. **Chest** 69(4):479-83, Apr 76

Renin release by rat kidney slices incubated in vitro. Role of sodium and of alpha- and beta-adrenergic receptors, and effect of vincristine. Capponi AM, et al. **Circ Res** 39(2):200-3, Aug 76

Studies on the nature of a prostaglandin receptor in canine and rabbit vascular smooth muscle. Greenberg S, et al. **Circ Res** 39(1):66-76, Jul 76

The effects of altered sodium balance and adrenergic blockade on renin release induced in rats by angiotensin antagonism. Keeton TK, et al. **Circ Res** 38(6):531-9, Jun 76

Letter: Adrenergic reactivity in low renin and normal renin essential hypertension. Kuchel O. **Circ Res** 39(2):289-90, Aug 76

Pharmacological evidence for a central alpha-sympathomimetic mechanism controlling blood pressure and heart rate. Laubie M, et al. **Circ Res** 38(6 Suppl 2):35-41, Jun 76 (71 ref.)

Evidence for an adenosine receptor on the surface of dog coronary myocytes. Olsson RA, et al. **Circ Res** 39(1):93-8, Jul 76

Evidence for a dual innervation affecting local blood flow in the hypothalamus of the conscious rabbit. Rosendorff C, et al. **Circ Res** 38(3):140-5, Mar 76

Dissociation constant of the norepinephrine-receptor complex in normotensive and hypertensive rats. Strecker RB, et al. **Circ Res** 37(5):658-63, Nov 75

Beta adrenergic receptor dysfunction in hypoxic inhibition of insulin release. Baum D, et al. **Endocrinology** 98(2):359-66, Feb 76

Supersensitivity of anterior pituitary dopamine receptors involved in the inhibition of prolactin secretion following destruction of the medial basal hypothalamus. Cheung CY, et al. **Endocrinology** 99(3):914-7, Sep 76

Regulation of adenylate cyclase coupled beta-adrenergic receptors by beta-adrenergic catecholamines. Mukherjee C, et al. **Endocrinology** 99(2):347-57, Aug 76

Potentiation of the adrenergic beta-receptor-mediated insulin secretion in pertussis-sensitized rats. Sumi T, et al. **Endocrinology** 97(2):352-8, Aug 75

Electron microscopic identification of adrenergic nerve endings on thyroid epithelial cells. Tice LW, et al. **Endocrinology** 97(5):1123-9, Nov 75

Adrenergic binding sites and enzyme activities in the heart of hyperthyroid rats. Felt V, et al. **Endokrinologie** 66(3):301-5, Dec 75

Frequency dependence of the alpha-adrenoceptor-mediated positive inotropic effect in guinea pig heart. Mugelli A, et al. **Eur J Pharmacol** 36(1):215-20, Mar 76

Desensitization of beta-adrenergic receptors of glioma cells: studies with intact and broken cell preparations. Franklin TJ, et al. **FEBS Lett** 66(2):225-9, 15 Jul 76

Effect of first part of duodenum on gastric emptying in dogs: response to acid, fat, glucose, and neural blockade. Cooke AR, et al. **Gastroenterology** 70(4):550-5, Apr 76

Characteristics of photorelaxation in vascular smooth muscle: evidence supporting the hypothesis of drug-receptor equilibrium disturbance. Tallarida RJ, et al. **IEEE Trans Biomed Eng** 22(6):493-501, Nov 75

Synthesis and disappearance of central noradrenaline and dopamine: regulation via nerve impulses and receptor activity. pp. 143-9. Andén NE, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Prostaglandin action on adrenergic and cholinergic responses in the rabbit and guinea pig intestine. pp. 211-8. Hedqvist P, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Prejunctional regulatory mechanisms for noradrenaline release elicited by nerve stimulation. pp. 183-91. Langer SZ, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Characterization of catecholamine receptors in rat retina. pp. 199-218. Wassenaar JS, et al.
In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.

Inhibition by acetylcholine of adrenergic neurotransmission in vascular smooth muscle. pp. 369-77. Vanhoutte PM.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

The role of alpha-adrenoceptors situated in Auerbach's plexus in the inhibition of gastrointestinal motility. pp. 357-67. Vizi ES.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974. (58 ref.)

Neurotransmitters, receptors, second messengers and responses in parotid gland and pancreas. pp. 49-64. Schramm M, et al.
In: Case RM, Goebell H, ed. Stimulus-secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.

The effect of sympathetic beta-receptor stimulation on renin release during reduced renal arterial pressure. p. 155. Eide I, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

The role of the alpha- and beta-adrenergic receptors in the regulation of renal hemodynamics and renin level in hemorrhagic hypotension in dog. p. 156. Forgács I, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

beta-Adrenoceptor antagonists as antihypertensive agents. pp. 1-26. Clarkson R.
In: Engelhardt El, ed. Antihypertensive agents. Washington, American Chemical Society, 1976. WG 340 A629 1975. (36 ref.)

Isolation and molecular properties of receptor proteins for neuroactive drugs. pp. 349-69. De Robertis E.
In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974.

Biochemical characterization of the dopamine receptor in the mammalian caudate nucleus. pp. 87-90. Greengard P.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Localization of the noradrenergic nervous system in human brain. pp. 283-8. Hartman BK.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

The regulation of the noradrenergic neuron. pp. 339-45. Molinoff PB.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975. (58 ref.)

Role of the sympathetic nervous system and central alpha- and beta-adrenergic receptors in regulation of renin secretion. pp. 261-73. Ganong WF, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r. (47 ref.)

New receptor mechanisms controlling renin release. pp. 427-33. Pettinger WA, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Adrenergic receptors in the cardiovascular system. pp. 29-34. Ahlquist RP.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 1604b 1975. (18 ref.)

Receptors and receptor mechanisms. pp. 1-27. Ariëns EJ, et al.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 1604b 1975. (40 ref.)

Are there two types of beta-receptors mediating the same adrenergic response? pp. 305-9. Carlsson E, et al.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 1604b 1975. (6 ref.)

Central adrenoceptors in cardiovascular regulation. pp. 35-43. de Jong W.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 1604b 1975. (25 ref.)

Adrenergic control of femoral blood flow. pp. 145-60. Reynolds DG, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Biochemistry of beta-adrenergic receptors and adenylate cyclase. pp. 69-83. Lefkowitz RJ.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37. (38 ref.)

Signal transfer from beta-adrenergic receptor to adenylate cyclase in erythrocyte membranes. pp. 139-41. Pfeuffer T, et al.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.

Relationship between the aminergic receptors and the adenylate cyclase activity in heart muscle tissue. pp. 85-105. Wollemann M.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.

Beta-adrenergic receptors in vas deferens of guineapigs. Deshpande VR, et al. **Indian J Exp Biol** 13(4):358-9, Jul 75

Adrenoceptors in the heart of rana tigrina. Bhagwat AW, et al. **Indian J Physiol Pharmacol** 18(4):369-71, Oct-Dec 74

Inhibitory beta adrenergic receptors in the nictitating membrane of cat. Paranjpe BD, et al. **Indian J Physiol Pharmacol** 18(4):366-8, Oct-Dec 74

Adrenergic receptors and vascular resistance in cerebral circulation of the cat. Muravchick S, et al. **J Appl Physiol** 40(5):797-804, May 76

Beta-Adrenergic receptor interactions. Direct comparison of receptor interaction and biological activity. Brown EM, et al. **J Biol Chem** 251(5):1239-46, 10 Mar 76

Beta-Adrenergic receptor interactions. Characterization of iodohydroxybenzylpindolol as a specific ligand. Brown EM, et al. **J Biol Chem** 251(5):1232-8, 10 Mar 76

Solubilization and characterization of the beta-adrenergic receptor binding sites of frog erythrocytes. Caron MG, et al. **J Biol Chem** 251(8):2374-84, 25 Apr 76

Negative cooperativity among beta-adrenergic receptors in frog erythrocyte membranes. Limbird LE, et al. **J Biol Chem** 251(16):5007-14, 25 Aug 76

Binding of (125I)iodohydroxybenzylpindolol to putative beta-adrenergic receptors of rat glioma cells and other cell clones. Maguire ME, et al. **J Biol Chem** 251(5):1221-31, 10 Mar 76

Adipocyte beta-adrenergic receptors. Identification and subcellular localization by (-)-[3H]dihydroalprenolol binding. Williams LT, et al. **J Biol Chem** 251(10):3096-104, 25 May 76

Membrane receptors for hormones and neurotransmitters. Kahn CR. **J Cell Biol** 70(2 pt 1):261-86, Aug 76

A role for alpha-adrenergic receptors in abnormal insulin secretion in diabetes mellitus. Robertson RP, et al. **J Clin Invest** 57(3):791-5, Mar 76

Identification of beta-adrenergic receptors in human lymphocytes by (-) (3H) alprenolol binding. Williams LT, et al. **J Clin Invest** 57(1):149-55, Jan 76

Central noradrenergic neurons: differential effects on body weight of electrolytic and 6-hydroxydopamine lesions in rats. Lorden J, et al. **J Comp Physiol Psychol** 90(2):144-55, Feb 76

Holocatalytic state of adenylate cyclase in turkey erythrocyte membranes: formation with guanylylimidodiphosphate plus isoproterenol without effect on affinity of beta-receptor. Spiegel AM, et al. **J Cyclic Nucleotide Res** 2(1):47-56, 1976

beta-Adrenergic receptors in rat brain. Sporn JR, et al. **J Cyclic Nucleotide Res** 2(3):149-61, 1976

Alpha-adrenergic receptor activity, cyclic AMP and lipolysis in adipose tissue of hypothyroid man and rat. Reckless JP, et al. **J Endocrinol** 68(3):419-30, Mar 76

Physical and adrenergic factors affecting systemic vascular resistance in the rainbow trout: a comparison with branchial vascular resistance. Wood CM, et al. **J Exp Biol** 63(2):505-23, Oct 75

The quantitative aspects of drug-receptor interactions. Levitzki A. **J Mol Biol** 97(1):46-53, 5 Sep 75

Ligand specificity and characteristics of the beta-adrenergic receptor in turkey erythrocyte plasma membranes. Levitzki A, et al. **J Mol Biol** 97(1):35-46, 5 Sep 75

Proceedings: Stimulus-secretion coupling in submandibular gland: role of cyclic AMP, cyclic GMP and calcium in regulating adrenoceptor mediated enzyme secretion. Albano J, et al. **J Physiol (Lond)** 254(1):10P-11P, Jan 76

Temperature-induced interconversion of alpha-and beta-adrenoceptors in the frog heart. Kunos G, et al. **J Physiol (Lond)** 256(1):23-40, Mar 76

Adrenergic influences on the electrical potential across the colonic mucosa of the rabbit. Lennane RJ, et al. **J Physiol (Lond)** 250(2):367–72, Sep 75

Proceedings: Beta-adrenoceptor development in chick brain assessed by (3H)propranolol binding. Nahorski SR, et al. **J Physiol (Lond)** 259(1):24P–25P, Jul 76

The 'in vitro' effects of catecholamines on the aorta removed from rats following the alpha or beta adrenergic block. Aragno R. **J Sports Med Phys Fitness** 16(1):1–5, Mar 76

The regulatory control of beta-receptor dependent adenylate cyclase. Levitzki A, et al. **J Supramol Struct** 4(3):405–18, 1976

Adrenergic and cholinergic stimulation and blockade of the human bladder base. Benson GS, et al. **J Urol** 116(2):174–5, Aug 76

Role of adrenergic receptors in the central thermoregulatory mechanism of the rat. Fukushima N, et al. **Jpn J Physiol** 25(5):621–31, 1975

Neurotransmitter metabolism in murine neuroblastoma cells. Breakefield XO. **Life Sci** 18(3):267–78, 1 Feb 76 (90 ref.)

Independent variation of beta-adrenergic receptor binding and catecholamine-stimulated adenylate cyclase activity in rat erythrocytes. Charness ME, et al. **Life Sci** 19(2):243–9, 15 Jul 76

Alpha-noradrenergic receptor binding in mammalian brain: differential labeling of agonist and antagonist states. Greenberg DA, et al. **Life Sci** 19(1):69–76, 1 Jul 76

The beta-adrenergic receptor. Lefkowitz RJ. **Life Sci** 18(5):461–72, 1 Mar 76 (73 ref.)

Bronchial circulation: an auto-perfusion method for assessing its vasomotor activity and the study of alpha- and beta-adrenoceptors in the bronchial artery. Lung MA, et al. **Life Sci** 19(4):577–80, 15 Aug 76

Maturation of beta-adrenergic receptor activity of rabbit aorta and pulmonary artery. Park MK, et al. **Life Sci** 19(3):321–7, 1 Aug 76

Stereoconfiguration requirement for central activity of isoproterenol. Shtacher G, et al. **Life Sci** 17(4):583–9, 15 Aug 75

Antagonism of alpha- and beta-adrenergic-mediated accumulations of cyclic AMP in rat cerebral cortical slices by the beta-antagonist (-)alprenolol. Skolnick P, et al. **Life Sci** 19(4):497–503, 15 Aug 76

The possible role of beta-adrenergic and alpha-adrenergic antagonist sensitive systems in the brain in the mechanism of psychosis. Blum I, et al. **Med Hypotheses** 2(3):104–6, May–Jun 76

Beta adrenergic receptor-mediated adenosine cyclic 3',5'-monophosphate accumulation in the ratcorpus striatum. Harris JE. **Mol Pharmacol** 12(4):546–58, Jul 76

Cell density and receptor-adenylate cyclase relationships in the C-6 astrocytoma cell. Morris SA, et al. **Mol Pharmacol** 12(3):362–72, May 76

Beta-adrenergic receptors: recognition and regulation. Lefkowitz RJ. **N Engl J Med** 295(6):323–8, 5 Aug 76

Beta-adrenergic mechanisms in action tremor. Young RR, et al. **N Engl J Med** 293(19):950–3, 6 Nov 75

Direct identification and characterisation of beta-adrenergic receptors in rat brain. Alexander RW, et al. **Nature** 258(5534):437–40, 4 Dec 75

Stereospecificity of interaction of neuroleptic drugs with neurotransmitters and correlation with clinical potency. Enna SJ, et al. **Nature** 263(5575):338–41, 23 Sep 76

Transformation of the beta2 adrenoceptor in normal rat liver into a beta1 type in Zajdela hepatoma. Lacombe ML, et al. **Nature** 262(5563):70–2, 1 Jul 76

Independence of beta-adrenergic and thyrotropin receptors linked to adenylate cyclase in the thyroid. Marshall NJ, et al. **Nature** 261(5561):603–4, 17 Jun 76

Direct localisation of beta-adrenoceptor sites in rat cerebellum by a new fluorescent analogue of propranolol. Melamed E, et al. **Nature** 261(5559):420–2, 3 Jun 76

Association of high affinity stereospecific binding of 3H-propranolol to cerebral membranes with beta adrenoceptors. Nahorski SR. **Nature** 259(5543):488–9, 12 Feb 76

Circadian cycles in binding of 3H-alprenolol to beta-adrenergic receptor sites in rat pineal. Romero JA, et al. **Nature** 258(5534):435–6, 4 Dec 75

Characterisation of the adrenoceptor mediating changes in cyclic adenosine 3'-5' monophosphate in chick cerebral hemispheres. Nahorski SR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(1):101–10, 3 Nov 75

Selectivity for catecholamines of presynaptic alpha-receptors involved in feedback control of sympathetic neurotransmitter secretion in guinea-pig vas deferens. Stjärne L. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):296–303, 1975

Molecule—receptor specificity. Richards WG, et al. **Philos Trans R Soc Lond [Biol]** 272(915):75–85, 6 Nov 75

Problems in identification of the beta-adrenergic receptor. Haber E, et al. **Physiol Rev** 56(2):317–38, Apr 76 (115 ref.)

Pharmacology of vascular control. Shanks RG. **Postgrad Med J** 50(587):560–1, Sep 74

Affinity label for beta-adrenergic receptor in turkey erythrocytes. Atlas D, et al. **Proc Natl Acad Sci USA** 73(6):1921–5, Jun 76

Hormone and neurotransmitter receptors in an established vascular endothelial cell line. Buonassisi V, et al. **Proc Natl Acad Sci USA** 73(5):1612–6, May 76

Rapid changes in rat pineal beta-adrenergic receptor: alterations in 1-(3H)alprenolol binding and adenylate cyclase. Kebabian JW, et al. **Proc Natl Acad Sci USA** 72(9):3735–9, Sep 75

Control of adenylate cyclase from secretory vesicle membranes by beta-adrenergic agents and nerve growth factor. Nikodijevic O, et al. **Proc Natl Acad Sci USA** 73(3):771–4, Mar 76

Binding of [3H]dihydroazapetine to alpha-adrenoreceptor-related proteins from rat vas deferens. Ruffolo RR Jr, et al. **Proc Natl Acad Sci USA** 73(8):2730–4, Aug 76

beta-adrenergic receptors in rat liver: effects of adrenalectomy. Wolfe BB, et al. **Proc Natl Acad Sci USA** 73(4):1343–7, Apr 76

Autonomic receptors of the early rat embryo heart growth and development. Robkin MA, et al. **Proc Soc Exp Biol Med** 151(4):799–803, Apr 76

An in vitro evaluation of possible cholinergic and adrenergic receptors affecting pancreatic amylase secretion. Williams JA. **Proc Soc Exp Biol Med** 150(2):513–6, Nov 75

Mechanochemical coupling at the actomyosin cross-bridges and the adrenergic inotropic receptor. Honig CR, et al. **Recent Adv Stud Cardiac Struct Metab** 4:297–303, 1974

Receptor function and ion transport in turkey erythrocytes. Gardner JD, et al. **Recent Prog Horm Res** 32:567–95, 1976 (61 ref.)

Regulation of adenylate cyclase coupled beta-adrenergic receptors. Lefkowitz RJ, et al. **Recent Prog Horm Res** 32:597–632, 1976 (54 ref.)

On the beta-adrenergic contribution to the gastric acid and gastrin responses to hypoglycaemia in man. Christensen KC, et al. **Scand J Gastroenterol [Suppl]** 11(37):81–6, 1976

Adenosine 3',5'-monophosphate content in rat caudate nucleus: demonstration of dopaminergic and adrenergic receptors. Forn J, et al. **Science** 186(4169):1118–20, 20 Dec 74

Pineal beta-adrenergic receptor: diurnal variation in sensitivity. Romero JA, et al. **Science** 184(4141):1091–2, 7 Jun 74

Alpha-adrenergic receptor identification by (3H)dihydroergocryptine binding. Williams LT, et al. **Science** 192(4241):791–3, 21 May 76

Role of alpha-adrenergic receptor mechanism in closure of the internal urethral orifice during ejaculation. Kimura Y, et al. **Urol Int** 30(5):341–9, 1975

[Adrenergic receptors and some cardiac enzymes in experimental hyperthyroidism (author's transl)] Felt V, et al. **Cas Lek Cesk** 115(22):665–9, 4 Jun 76 (Eng. Abstr.) **(Cze)**

[Inhibitory alpha adrenergic receptors in white adipose tissue of rabbits] Lafontan M, et al. **C R Acad Sci [D] (Paris)** 282(11):1117–20, 15 Mar 76 (Eng. Abstr.) **(Fre)**

[The adrenergic system. Alpha and beta receptors] **Lille Med** 20(6):523–40, Jun–Jul 75 **(Fre)**

[Increased cAMP excretion in the saliva, the 'second messenger' of beta-adrenergic signal exchange, in etiologically different forms of hypertension] Schmid G, et al. **Verh Dtsch Ges Inn Med** 81:1068–71, 1975 **(Ger)**

[Alpha-adrenoreceptors in the ventricular myocardium of the cat] Wagner J, et al. **Verh Dtsch Ges Kreislaufforsch** 41:226–9, 1975 **(Ger)**

[Adrenergic receptors in the blood vessels of the udder in lactating cows] Dhondt G, et al. **Zentralbl Veterinaermed [A]** 23(04):331–7, May 76 (Eng. Abstr.) **(Ger)**

[Effect of beta-adrenergic block on the response of plasma renin activity to acute sodium depletion in the rabbit] Iacobelli A, et al. **Boll Soc Ital Biol Sper** 51(18):1133–9, 30 Sep 75 **(Ita)**

[The adrenergic beta receptor system and the function of the pituitary-adrenal system] Balestrieri R, et al. **Folia Endocrinol (Roma)** 27(1):29–34, Feb 74 **(Ita)**

[Further studies (in vitro and in vivo) on the effect of adrenergic system on the pancreatic enzymes release after cholecystokinin stimulation (author's transl)] Gabryelewicz A, et al. **Przegl Lek** 32(8):633–7, 1975 (Eng. Abstr.) **(Pol)**

[Adrenergic terminal structures in mamalian mesentery] Khaĭsman EB, et al. **Biull Eksp Biol Med** 81(6):750–2, Jun 76 (Eng. Abstr.) **(Rus)**

[Adrenoreception characteristics of the neurons of the superior cervical and caudal mesenteric sympathetic ganglia of the cat] Komissarov IV, et al. **Biull Eksp Biol Med** 80(10):6–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Dopamine receptors of the smooth muscles] Komissarov IV, et al. **Farmakol Toksikol** 38(4):419–23, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The role of renal beta-adrenoreceptors in regulating its blood supply and urine formation] Gorpinchenko EI. **Fiziol Zh SSSR** 62(5):776–82, May 76 (Eng. Abstr.) **(Rus)**

[Functional significance of alpha- and beta-adrenoreceptors in structures of the stropallidal system] Losev NA, et al. **Fiziol Zh SSSR** 62(4):510–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Double cholinergic and adrenergic regulation of cerebral blood flow] Meyer JS, et al. **Fiziol Zh SSSR** 61(10):1518–23, Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of blockade of the beta adrenoreceptors on some metabolic indices of stimulation and depression of the beta cells of the islands of Langerhans] Genes SG, et al. **Patol Fiziol Eksp Ter** (3):46–51, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Dependence of passive anaphylaxis in isolated human organs on the functional state of the adrenoreceptors] Ishimova LM, et al. **Patol Fiziol Eksp Ter** (5):41–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Adrenergic receptors in murine epidermis] Muskhelishvili LV, et al. **Tsitologiia** 18(5):627–9, 1976 (Eng. Abstr.) **(Rus)**

[Dynamics of the neurohumoral reactions of the resistive and capacitive vessels in the process of adaptation to high mountains. IV. The role of adrenoreceptors (an experimental study)] Cherniavskaia GV, et al. **Zdravookhr Kirg** (2):12–5, Mar–Apr 76 **(Rus)**

[Dependence of the differential threshold of sound strength on the functional state of the adrenergic and cholinergic systems of the brain] Kozhevnikova AP, et al. **Zh Ushn Nos Gorl Bolezn** (5):15–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The role of the adrenoreceptors in several organs in regulating carbohydrate and lipid metabolism] Henes SH, et al. **Fiziol Zh** 20(6):831–40, Nov–Dec 74 (126 ref.) **(Ukr)**

DRUG EFFECTS

Effect of adrenergic blockade on gastrointestinal propulsion after laparotomy. An experimental study in the rat. Ohrn PG, et al. **Acta Chir Scand [Suppl]** (461):53–64, 1976

Effects of sympatho-adrenal activity and pharmacological treatment on gastrointestinal propulsion in the early postoperative period. An experimental study in the laparotomized rat. Ohrn PG, et al. **Acta Chir Scand [Suppl]** (461):65–76, 1976

Presynaptic alpha- and beta-adrenoceptor medicated control of noradrenaline release in human oviduct. Hedqvist P, et al. **Acta Physiol Scand** 95(4):494–6, Dec 75

Beta2-adrenoceptors facilitating noradrenaline secretion from human vasoconstrictor nerves. Stjärne L, et al. **Acta Physiol Scand** 97(1):88–93, Mar 76

Effect of ovarian hormones on the myometrium adrenergic reactivity. Milenov K, et al. **Agressologie** 16(2):107–12, 1975

Electrophysiology and pharmacology of cardiac arrhythmias. IX. Cardiac electrophysiologic effects of beta adrenergic receptor stimulation and blockade. Part A. Wit AL, et al. **Am Heart J** 90(4):521–33, Oct 75 (62 ref.)

Electrophysiologic studies in the denervated transplanted human heart. II. Response to norepinephrine, isoproterenol and propranolol. Cannom DS, et al. **Am J Cardiol** 36(7):859–66, Dec 75

Positive inotropic effects of methoxamine: evidence for alpha-adrenergic receptors in ventricular myocardium. Rabinowitz B, et al. **Am J Physiol** 229(3):582–5, Sep 75

Coronary artery cyclic AMP content during adrenergic receptor stimulation. Seidel CL, et al. **Am J Physiol** 229(2):265–9, Aug 75

Adrenergic drug-receptor interaction in the presence of strontium (Sr^{++}) in mammalian myocardium. Carrier GO, et al. **Arch Int Pharmacodyn Ther** 218(1):11–8, Nov 75

Metabolic inhibition and adrenoceptor interconversion. Matheny JL, et al. **Arch Int Pharmacodyn Ther** 218(1):4–10, Nov 75

Proceedings: The lymphocyte beta-receptor as a pharmacological tool. Conolly ME, et al. **Arzneim Forsch** 26(6):1270–1, 1976

An irreversible blocker for the beta-adrenergic receptor. Atlas D, et al. **Biochem Biophys Res Commun** 69(2):397–403, 22 Mar 76

Identification of adenylate cyclase-coupled beta-adrenergic receptors with radiolabeled beta-adrenergic antagonists. Lefkowitz RJ. **Biochem Pharmacol** 24(18):1651–8, 15 Sep 75

Stimulation of glycogenolysis and gluconeogenesis by epinephrine independent of its beta-adrenergic function in perfused rat liver. Saitoh Y, et al. **Biochem Pharmacol** 25(7):841–5, 1 Apr 76

Adrenergic mechanisms in the rabbit ear artery. A review. de la Lande IS. **Blood Vessels** 12(3):137–60, 1975 (103 ref.)

Proceedings: Altered sensitivity of beta-adrenoceptor-mediated cyclic AMP formation in brain. Nahorski SR, et al. **Br J Pharmacol** 55(2):300P–301P, Oct 75

Topographical distribution of dopaminergic innervation and of dopaminergic receptors in the rat striatum. II. Distribution and characteristics of dopamine adenylate cyclase—interaction of d-LSD with dopaminergic receptors. Bockaert J, et al. **Brain Res** 107(2):301–15, 7 May 76

Ascending catecholamine pathways and amphetamine-induced locomotor activity: importance of dopamine and apparent non-involvement of norepinephrine. Roberts DC, et al. **Brain Res** 93(3):441–54, 15 Aug 75

Inhibition of both noradrenergic and serotonergic neurons in brain by the alpha-adrenergic agonist clonidine. Svensson TH, et al. **Brain Res** 92(2):291–306, 11 Jul 75

Structure—activity relations for the acceleration of efflux of noradrenaline from adrenergic nerves in rabbit atria by sympathomimetic amines. Paton DM. **Can J Physiol Pharmacol** 53(5):822–9, Oct 75

Differential beta adrenergic sensitivity of atrial and ventricular tissue assessed by chronotropic, inotropic, and cyclic AMP responses to isoprenaline and dobutamine. Tuttle RR, et al. **Cardiovasc Res** 10(4):452–8, Jul 74

Evidence for a renal alpha-adrenergic receptor inhibiting renin release. Pettinger WA, et al. **Circ Res** 38(5):338–46, May 76

Plasma binding and the affinity of propranolol for a beta

receptor in man. McDevitt DG, et al. **Clin Pharmacol Ther** 20(2):152–7, Aug 76

Receptor mechanisms in fish chromatophores–I. Alpha nature of adrenoceptors mediating melanosome aggregation in guppy melanophores. Fujii R, et al. **Comp Biochem Physiol [C]** 51(2):171–8, 1 Aug 75

Receptor mechanisms in fish chromatophores–II. Evidence for beta adrenoceptors mediating melanosome dispersion in guppy melanophores. Miyashita Y, et al. **Comp Biochem Physiol [C]** 51(2):179–87, 1 Aug 75

Effects of alpha–adrenoceptor agonists and antagonists on pre– and postsynaptically located alpha–adrenoceptors. Drew GM. **Eur J Pharmacol** 36(2):313–20, Apr 76

Effects of chlorprothixene isomers on platelet 5–hydroxytryptamine receptors: evidence for different 5–hydroxytryptamine conformations at uptake and stimulatory sites. Drummond AH, et al. **Eur J Pharmacol** 37(2):385–8, Jun 76

A centrally acting antihypertensive agent (R28935) not mediated via central alpha–adrenoreceptors. Finch L. **Eur J Pharmacol** 33(2):409–12, Sep–Oct 75

Influence of group selective reagents in tissues containing alpha– and beta–adrenoceptors. Salman KN, et al. **Eur J Pharmacol** 36(1):41–8, Mar 76

alpha–Adrenoceptors in the ventricular myocardium: clonidine, naphazoline and methoxamine as partial alpha–agonists exerting a competitive dualism in action to phenylephrine. Schümann HJ, et al. **Eur J Pharmacol** 36(2):413–21, Apr 76

The role of alpha– and beta–adrenergic effects in the action of adrenaline on renal lithium elimination in adrenalectomized rats. Smith DF. **Eur J Pharmacol** 36(1):49–53, Mar 76

Photoaffinity labeling of the beta–adrenergic receptors and receptor reserve for isoprenaline. Takayanagi I, et al. **Eur J Pharmacol** 35(1):121–5, Jan 76

Effect of a cholinergic stimulant on interaction of isoprenaline with beta–adrenoceptors. Takayanagi I, et al. **Eur J Pharmacol** 38(1):179–82, Jul 76

Beta–adrenergic–control of cyclic AMP–generating systems in cerebellum: pharmacological heterogeneity confirmed by destruction of interneurons. Hoffer BJ, et al. **Exp Neurol** 51(3):653–67, Jun 76

Changes in the sensitivity of adrenergic receptors in the oviduct during early gestation in the rabbit. Heilman RD, et al. **Fertil Steril** 27(4):426–30, Apr 76

Receptors for phenylephrine and 5–hydroxytryptamine in the rat jejunum. Hayashi A. **Fukushima J Med Sci** 21(1–2):59–68, Mar 75

Action of neuroleptics on the nigro–neostriatal dopaminergic pathway. pp. 407–13. Andén NE, et al. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.** (51 ref.)

Stimulation of central adrenergic alpha–receptors by L–dopa, alpha–methyldopa and clonidine. pp. 225–40. Andén NE, et al. **In: Davies DS, Reid JL, ed. Central action of drugs in blood pressure regulation. Tunbridge Wells, Pitman Medical, 1975. QV 120 I61c 1975.** (40 ref.)

On the mode of action of 6–hydroxydopamine. pp. 41–50. Jonsson G, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.1.**

Degenerative effects of 6–aminodopamine on peripheral and central adrenergic nerves. pp. 51–8. Siggins GR, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.1.**

Centrally mediated action of alpha–methyldopa. pp. 293–301. van Zwieten PA. **In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.** (28 ref.)

Interaction of antihistaminic agents with adrenoceptors. Chopde CT, et al. **Indian J Med Res** 63(2):201–10, Feb 75

Involvement of Central adrenergic mechanisms in the induction of cardiac arrhythmias by aconitine nitrate administered intraventricularly. Telang BV, et al. **Indian J Physiol Pharmacol** 19(1):1–10, Jan–Mar 75

A mechanism for tobacco smoke–induced allergy. Keller KF, et al. **J Allergy Clin Immunol** 57(3):278–82, Mar 76

Regulation of beta–adrenergic receptors by guanyl–5'–yl imidodiphosphate and other purine nucleotides. Lefkowitz RJ, et al. **J Biol Chem** 251(15):4686–92, 10 Aug 76

The effect of alpha and beta adrenergic receptor stimulation on the adenylate cyclase activity of human adipocytes. Burns TW, et al. **J Cyclic Nucleotide Res** 1(5):321–8, 1975

An in vitro method for the study of beta–receptor mediated effects on slow contracting skeletal muscle. Waldeck B. **J Pharm Pharmacol** 28(5):434–6, May 76

Reduced beta adrenergic responsiveness in rats treated with estrogenic agents. Black DJ, et al. **J Pharmacol Exp Ther** 197(2):362–70, May 76

Pharmacological characterization of adrenergic receptors of a rabbit cerebral artery in vitro. Duckles SP, et al. **J Pharmacol Exp Ther** 197(2):371–8, May 76

Pineal beta adrenergic receptor: correlation of binding of 3H–l–alprenolol with stimulation of adenylate cyclase. Zatz M, et al. **J Pharmacol Exp Ther** 196(3):714–22, Mar 76

Pineal beta adrenergic receptor: correlation of binding of 3H–l–alprenolol with stimulation of adenylate cyclase. Zatz M, et al. **J Pharmacol Exp Ther** 196(3):714–22, Mar 76

alpha–Adrenoceptors mediating positive inotropic effects on the ventricular myocardium: some aspects of structure–activity relationship of sympathomimetic amines. Endoh M, et al. **Jpn J Pharmacol** 26(2):179–90, Apr 76

Dopamine and schizophrenia. Crow TJ, et al. **Lancet** 2(7985):563–6, 11 Sep 76

Effect of intravenous prednisolone in asthmatics with diminished adrenergic responsiveness. Ellul–Micallef R, et al. **Lancet** 2(7948):1269–71, 27 Dec 75

Selective metabolic effects of salbutamol in anesthetized cats. Lockwood RH, et al. **Life Sci** 18(4):405–9, 15 Feb 76

Beta adrenergic receptor binding in membrane preparations from mammalian brain. Bylund DB, et al. **Mol Pharmacol** 12(4):568–80, Jul 76

Adenylate cyclase–coupled beta adrenergic receptors effect of membrane lipid–perturbing agents on receptor binding and enzyme stimulation by catecholamines. Limbird LE, et al. **Mol Pharmacol** 12(4):559–67, Jul 76

An agonist–specific effect of guanine nucleotides on binding to the beta adrenergic receptor. Maguire ME, et al. **Mol Pharmacol** 12(2):335–9, Mar 76

Regulation of adenylate cyclase–coupled beta adrenergic receptor binding sites by beta adrenergic catecholamines in vitro. Mickey JV, et al. **Mol Pharmacol** 12(3):409–19, May 76

Structure–activity relationships of adenylate cyclase–coupled beta adrenergic receptors: determination by direct binding studies. Mukherjee C, et al. **Mol Pharmacol** 12(1):16–31, Jan 76

Editorial: Non–beta–blocking actions of propranolol. Koch–Weser J. **N Engl J Med** 293(19):988–90, 6 Nov 75

Letter: Temperature, phenoxybenzamine and adrenoceptor transformation. Kunos G, et al. **Nature** 259(5540):251–2, 22 Jan 76

Different alpha–adrenoreceptors in the central nervous system mediating biochemical and functional effects of clonidine and receptor blocking agents. Andén NE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):43–52, 14 Jan 76

The beta–adrenergic receptor–adenyl–cyclase system of rat reticulocytes: effects of adrenergic stimulants and inhibitors. Gauger D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):379–98, 30 Jul 75

Investigation into some imidazoline compounds, with respect to peripheral alpha–adrenoceptor stimulation and depression of cardiovascular centers. Kobinger W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(2):175–91, 21 Nov 75

Adrenoceptors in cardiac ventricular muscle and changes in duration of action potential caused by noradrenaline and isoprenaline. Quadbeck J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(4):403–14, 1975

Agents affecting adrenergic function in antihypertensive therapy. I. Dalske HF, et al. **Nebr Med J** 61(6):192–5, Jun 76

Agents affecting adrenergic function in antihypertensive therapy II. Dalske HF, et al. **Nebr Med J** 61(7):227–30, Jul 76

Effect of adrenergic neuron inhibitors on the vascular response to sympathetic nerve stimulation. Kisin I. **Pharmacology** 14(4):351–6, 1976

Ingestion in the satiated rat: role of alpha and beta receptors in mediating effects of hypothalamic adrenergic stimulation. Leibowitz SF. **Physiol Behav** 14(6):743–54, Jun 75

Haloperidol blocks an alpha adrenergic receptor in the reticulo–cortical inhibitory input. Ohta M. **Physiol Behav** 16(4):505–7, Apr 76

Some aspects of receptor pharmacology of ergotamine. Schild HO. **Postgrad Med J** 52suppl 1:9–11, 1976

Desensitization of beta–adrenergic receptors by beta–adrenergic agonists in a cell–free system: resensitization by guanosine 5'–(beta, gamma–imino)triphosphate and other purine nucleotides. Mukherjee C, et al. **Proc Natl Acad Sci USA** 73(5):1494–8, May 76

Stimulation by phenylephrine of myocardial alpha–adrenoceptors in the left ventricle of the cat. Rodrigues–Pereira E, et al. **Res Exp Med (Berl)** 166(2):165–71, 11 Dec 75

Beta–adrenergic mechanisms and ulcer formation in pylorus–ligated rats. Christensen KC, et al. **Scand J Gastroenterol** 10(7):715–20, 1975

Estrogenic sensitivity of alpha–receptors in the urethra musculature. Schreiter F, et al. **Urol Int** 31(1–2):13–9, 1976

Proceedings: A study of the involvement of adrenergic receptor stimulation in the mobilization of leucocytes in human subjects. Gadir AH. **West Afr J Pharmacol Drug Res** 2(1):107P, Dec 74

[Effect of prostaglandin F2alpha on the isolated rat uterus as dependent on the hormonal state and adrenergic mechanisms] Borisov I, et al. **Akush Ginekol (Sofiia)** 14(4):245–51, 1975 (Eng. Abstr.) **(Bul)**

[Effect of adrenaline on pulp microcirculation] Taleb L, et al. **J Can Dent Assoc** 41(10):565–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Mode of action of beta–blockers] Ducloux G. **Lille Med** 20(6):528–30, Jun–Jul 75 **(Fre)**

[The isoprenaline test. Importance in the study of adrenergic beta function] Hugues FC, et al. **Therapie** 31(1):121–7, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Reaction of peripheral veins and arteries following administration of beta–active agents. Studies on isoproterenol, propranolol, and practolol] Bischoff K, et al. **Med Klin** 71(30):1239–43, 23 Jul 76 (Eng. Abstr.) **(Ger)**

[Adrenergic processess and partial secretion of the stomach] Anschelewitsch J, et al. **Z Gesamte Inn Med** 31(9):277–80, 1 May 76 (Eng. Abstr.) **(Ger)**

[Effect of Akrinor on cardiovascular–dynamics before and after blockade of adrenergic beta–receptors by propranolol] Sternitzke N, et al. **Z Kardiol** 64(5):419–30, May 75 (Eng. Abstr.) **(Ger)**

[Histochemical fluorescence studies on mechanism of the hypothalamo–adrenergic mediation] Pasqualino A, et al. **Arch Ital Anat Embriol** 80(3–4):121–44, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Clinical pharmacology of pindolol on vasomotor receptors] Rumboldt Z, et al. **Boll Soc Ital Biol Sper** 51(14):895–900, 30 Jul 75 **(Ita)**

[On tachyphylaxis to adrenaline: study of drug effects on beta–adrenergic venous receptors in humans] Sicuteri F, et al. **Boll Soc Ital Biol Sper** 51(14):889–94, 30 Jul 75 **(Ita)**

[Adrenergic reactivity of the gastro–intestinal tract. II. Colon of the guinea pig and cecum of the mice] Grana E, et al. **Farmaco [Sci]** 31(5):372–8, May 76 (Eng. Abstr.) **(Ita)**

Andrenergic reactivity of the gastro–intestinal tract. I. Fundus of the rat's stomach. Lucchelli A, et al. **Farmaco [Sci]** 31(4):297–304, Apr 76 (Eng. Abstr.) **(Ita)**

[The action of an alpha–adrenergic stimulator (methoxamine) on the pituitary system] Balestrieri R, et al. **Folia Endocrinol (Roma)** 27(1):35–41, Feb 74 **(Ita)**

[Essential pharmacology of salbutamol, a highly selective beta–2 adrenergic receptor stimulator] Jack D. **Minerva Med** 67(16):1070–8, 31 Mar 76 **(Ita)**

[Adrenoceptors and autonomic nerve control mechanisms in the biliary tract] Yanaura S, et al. **Folia Pharmacol Jpn** 71(1):39–51, Jan 75 (Eng. Abstr.) **(Jpn)**

[Hydroxybenzylpindolol—activation mechanism of adenylate cyclase and beta–adrenergic receptor] Yamamura H. **Jpn J Clin Med** 34(3):534–9, 1976 (26 ref.) **(Jpn)**

[Mechanism of action of prostaglandin F2 alpha and its clinical use in obstetrics] Persianinov LS. **Akush Ginekol (Mosk)** (6):7–15, Jun 75 (Eng. Abstr.) **(Rus)**

[The nature of differences in beta–adrenergic receptors] Abrmets II, et al. **Biull Eksp Biol Med** 79(5):11–4, May 75 (Eng. Abstr.) **(Rus)**

[Effect of carbidine on the content and storage of adrenergic neurotransmitter in the synaptic vesicles] Arefolov VA, et al. **Biull Eksp Biol Med** 80(10):69–72, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of some adrenergic substances on the cumulative effect of strophanthin] Gendenshtein EI, et al. **Biull Eksp Biol Med** 80(8):69–71, Aug 75 (Eng. Abstr.) **(Rus)**

[Neuromediator content in the synaptic vesicles of rat adrenergic nerves in some pharmacological actions] Arefolov VA, et al. **Farmakol Toksikol** 38(3):285–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Adrenergic receptors and cyclic adenosine monophosphate in the regulation of hydrochloric acid secretion] Ivashkin VT, et al. **Ter Arkh** 47(9):88–92, 1975 (Eng. Abstr.) **(Rus)**

RECEPTORS, CHOLINERGIC

Cholinergic receptors at denervated mammalian motor end–plates. Frank E, et al. **Acta Physiol Scand** 95(1):66–76, Sep 75

Neurogenic mechanisms in the cerebrovascular bed. Autonomic nerves, amine receptors and their effects on cerebral blood flow. Edvinsson L. **Acta Physiol Scand [Suppl]** (427):1–35, 1975 (146 ref.)

Changed cholinergic receptor characteristics after vagotomy in gastric fistula dogs. Hirschowitz BI, et al. **Am J Physiol** 230(1):105–9, Jan 76

Dispersed rat parotid acinar cells. III. Characterization of cholinergic receptors. Mangos JA, et al. **Am J Physiol** 229(3):566–9, Sep 75

Molecular and functional properties of the acetylcholine–receptor. Eldefraw ME, et al. **Ann NY Acad Sci** 264:183–202, 30 Dec 75 (81 ref.)

Purification of acetylcholine receptor from Torpedo californica and its incorporation into phospholipid vesicles. McNamee MG, et al. **Ann NY Acad Sci** 264:175–82, 30 Dec 75

Cholinergic receptor desensitization. Nastuk WL, et al. **Ann NY Acad Sci** 274:130–9, 1976

Isolation of ionophores from ion–transport systems. Shamoo AE, et al. **Ann NY Acad Sci** 264:83–97, 30 Dec 75

Conversion of high affinity acetylcholine receptor from Torpedo californica electroplax to an altered form. O'Brien RD, et al. **Arch Biochem Biophys** 169(2):458–63, Aug 75

Central action of drugs acting on the cholinergic muscarinic receptor. II. Influence of ecothiopate administered into the lateral cerebral ventricle on behavior in rats. Kleinrok Z, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):477–84, 1975

Central action of drugs acting on the cholinergic muscarinic receptor I. Influence of cholinomimetic drugs administered into the lateral cerebral ventricle on behavior in rats. Kleinrok Z, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):465–75, 1975

Central action of drugs acting on the cholinergic muscarinic receptor. IV. Influence of cholinomimetics and cholinolytics injected into the lateral cerebral ventricle in the rat on concentrations of 5-HT and 5-HIAA. Kleinrok Z, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):497–503, 1975

Central action of drugs acting on the cholinergic muscarinic receptor. III. Influence of atropine and scopolamine injected intraventricularly on behavior and levels of biogenic amines in the rat brain. Zebrowska-Lupina I, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):485–95, 1975

Localization of the acetylcholine receptors in denervated muscles of rats. Lorković H, et al. **Arch Int Physiol Biochim** 83(3):493–504, Aug 75

Myasthenia gravis and acetylcholine receptor. Effect of steroids in clinical course and cellular immune response to acetylcholine receptor. Abramsky O, et al. **Arch Neurol** 32(10):684–7, Oct 75

Are muscle fibers denervated in myotonic dystrophy? Drachman DB, et al. **Arch Neurol** 33(7):485–8, Jul 76

Characterization of a nicotinic acetylcholine receptor from rabbit skeletal muscle and reconstitution in planar phospholipid bilayers. Bradley RJ, et al. **Biochem Biophys Res Commun** 68(2):577–84, 26 Jan 76

Identification of a calcium-binding subunit of the acetylcholine receptor. Eldefrawi AT, et al. **Biochem Biophys Res Commun** 70(3):1020–7, 7 Jun 76

Apparent cooperative effects in acetylcholine receptor-mediated ion flux electroplax membrane preparations. Hess GP, et al. **Biochem Biophys Res Commun** 69(3):830–7, 5 Apr 76

Interaction between calcium and ligand-binding sites of the purified acetylcholine receptor studied by use of a fluorescent lanthanide. Rübsamen H, et al. **Biochem Biophys Res Commun** 68(1):56–63, 12 Jan 76

Isolation by affinity chromatography of a cholinergic proteolipid from Nucleus caudatus. Saraceno H, et al. **Biochem Biophys Res Commun** 69(2):555–61, 22 Mar 76

Adrenergic and cholinergic stimulation of 32P-labeling of phospholipids in rabbit iris muscle. Abdel-Latif AA, et al. **Biochem Pharmacol** 25(4):461–9, 15 Feb 76

Tryptophan and cystein residues of the acetylcholine receptors of Torpedo species. Relationship to binding of cholinergic ligands. Eldefrawi ME, et al. **Biochemistry** 14(19):4304–10, 23 Sep 75

Acetylcholine receptor oligomers from electroplax of Torpedo species. Gibson RE, et al. **Biochemistry** 15(11):2377–83, 1 Jun 76

Isolation of a synaptic membrane fraction enriched in cholinergic receptors by controlled phospholipase A2 hydrolysis of synaptic membranes. Bartfai T, et al. **Biochim Biophys Acta** 426(2):186–97, 5 Mar 76

Acetylcholine-binding substance extracted by using organic solvent and acetylcholine receptor of electric organ of Narke japonica. Kometani T, et al. **Biochim Biophys Acta** 413(3):415–24, 16 Dec 75

Studies of nicotinic acetylcholine receptor protein from rat brain. Moore WM, et al. **Biochim Biophys Acta** 444(1):252–60, 24 Aug 76

Regulation of rat adrenal dopamine beta-hydroxylase. II. Receptor interaction in the regulation of enzyme synthesis and degradation. Ciaranello RD, et al. **Brain Res** 113(2):349–62, 27 Aug 76

Development of muscarinic cholinergic and GABA receptor binding in chick embryo brain. Enna SJ, et al. **Brain Res** 101(1):177–83, 9 Jan 76

Role of cholinergic and glucocorticosteroid receptors in the tyrosine hydroxylase induction elicited by reserpine in superior cervical ganglion. Hanbauer I, et al. **Brain Res** 96(1):197–200, 10 Oct 75

Localization of cholinergic muscarinic receptors in rat brain by light microscopic radioautography. Kuhar M, et al. **Brain Res** 110(2):229–43, 9 Jul 76

A pharmacological analysis of the adrenergic and cholinergic mechanisms regulating branchial vascular resistance in the rainbow trout (Salmo gairdneri). Wood CM. **Can J Zool** 53(11):1569–77, Nov 75

Appearance and disappearance of acetycholine receptor during differentiation of chick skeletal muscle in vitro. Prives J, et al. **Cell** 7(4):543–50, Apr 76

Cellular immune response to acetylcholine receptor-rich fraction, in patients with myasthenia gravis. Abramsky O, et al. **Clin Exp Immunol** 19(1):11–6, Jan 75

Accessibility to antibodies of acetylcholine receptors in the neuromuscular junction. Zurn AD, et al. **Clin Exp Immunol** 24(1):9–17, Apr 76

The biochemical properties and regulation of acetylcholine receptors in normal and denervated muscle. Brockes JP, et al. **Cold Spring Harbor Symp Quant Biol** 40:253–62, 1975

Some structural properties of the cholinergic receptor protein in its membrane environmental relevant to its function as a pharmacological receptor. Changeux JP, et al. **Cold Spring Harbor Symp Quant Biol** 40:211–30, 1975

Turnover of acetylcholine receptors in skeletal muscle. Devreotes PN, et al. **Cold Spring Harbor Symp Quant Biol** 40:237–51, 1975

Enrichment of nerve--muscle synapses in spinal cord--muscle cultures and identification of relative peaks of ACh sensitivity at sites of transmitter release. Fischbach GD, et al. **Cold Spring Harbor Symp Quant Biol** 40:347–57, 1975

Persistence of junctional acetylcholine receptors following denervation. Frank E, et al. **Cold Spring Harbor Symp Quant Biol** 40:275–81, 1975

Facets of the structures of acetylcholine receptors from Electrophorus and Torpedo. Karlin A, et al. **Cold Spring Harbor Symp Quant Biol** 40:203–10, 1975

On the interaction between cobra alpha-neurotoxin and the acetylcholine receptor. Maelicke A, et al. **Cold Spring Harbor Symp Quant Biol** 40:231–5, 1975

Characterization of Torpedo californica acetylcholine receptor: its subunit composition and ligand-binding properties. Raftery MA, et al. **Cold Spring Harbor Symp Quant Biol** 40:193–202, 1975

Receptor mechanisms in fish chromatophores--III. Neurally controlled melanosome aggregation in a siluroid (Parasilurus asotus) is strangely mediated by cholinoceptors. Fujii R, et al. **Comp Biochem Physiol [C]** 55(1):43–9, 1976

Interconversion between different states of affinity for acetylcholine of the cholinergic receptor protein from Torpedo marmorata. Sugiyama H, et al. **Eur J Biochem** 55(3):505–15, 15 Jul 75

Quantitative correlations between chemical structure and affinity for acetylcholine receptors. Lien EJ, et al. **Eur J Pharmacol** 35(2):245–52, Feb 76

Distribution and density of cholinergic receptors at the motor endplates of a denervated mouse muscle. Porter CW, et al. **Exp Neurol** 48(3 Pt 1):542–56, Sep 75

Complete purification of the acetylcholine receptor protein from mammalian muscle. Dolly JO, et al. **FEBS Lett** 57(3):267–71, 1 Oct 75

Biochemical indentification of the mammalian muscarinic cholinergic receptor. Snyder SH, et al. **Fed Proc** 34(10):1915–21, Sep 75 (66 ref.)

Preparation and immunochemical characterization of a water-soluble acetylcholine receptor fraction from the electric organ tissue of the electric eel. Aharonov A, et al. **Immunochemistry** 12(9):765–71, Sep 75

Studies on prejunctional muscarinic and nicotinic receptors. pp. 167–74. Furchgott RF, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Prostaglandin action on adrenergic and cholinergic responses in the rabbit and guinea pig intestine. pp. 211–8. Hedqvist P, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

The muscarinic receptor for acetylcholine in Huntington's chorea. pp. 103–9. Hiley CR.
In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975.

Serum antibodies against the acetylcholine receptor in myasthenia gravis. pp. 493–7. Almon RR, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

Immune response in rabbits to a cholinergic receptor protein: possibly a model for myasthenia gravis. pp. 486–92. Heilbronn E, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

Neurotransmitters, receptors, second messengers and responses in parotid gland and pancreas. pp. 49–64. Schramm M, et al.
In: Case RM, Goebell H, ed. Stimulus-secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.

Characterization of an acetylcholine receptor. pp. 541–64. Raftery MA, et al.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.

Binding and gating by the acetylcholine receptor. pp. 182–92. Karlin A, et al.
In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974. (38 ref.)

Isolation and molecular properties of receptor proteins for neuroactive drugs. pp. 349–69. De Robertis E.
In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974.

Cholinergic mechanisms and the hemopoietic stem cell. pp. 141–9. Byron JW.
In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

Cholinergic effects on femoral blood flow. pp. 161–8. Swan KG, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Biochemical and physical properties of the nicotinic ACh receptor from Torpedo marmorata. pp. 29–38. Heilbronn E, et al.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.

Electronmicroscopy of cholinergic receptors in native and reconstituted membrane system of Torpedo and Electrophorus. pp. 3–27. Nickel E.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.

Structural and functional studies of an acetylcholine receptor. pp. 39–65. Raftery MA, et al.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.

Proceedings: Thymus, acetylcholine receptor and myasthenia gravis. Aharonov A, et al. **Isr J Med Sci** 11(12):1390, Dec 75

Proceedings: A water-soluble acetylcholine receptor fraction from electric organ tissue of the electric eel Electrophorus electricus. Kalderon N, et al. **Isr J Med Sci** 11(11):1192–3, Nov 75

Proceedings: Regulation of elaboration of cholinergic receptor, acetylcholine esterase and Na+, K+-adenosine triphosphatase during differentiation of embryonic chick skeletal muscle in vitro. Paglin S, et al. **Isr J Med Sci** 11(11):1193, Nov 75

Proceedings: Appearance and disappearance of acetylcholine receptor during differentiation of embryonic chick skeletal muscle in vitro. Prives J, et al. **Isr J Med Sci** 11(11):1192, Nov 75

Proceedings: Animal model for myasthenia gravis: acetylcholine receptor-induced myasthenia in rabbits, guinea pigs and monkeys. Tarrab-Hazdai R, et al. **Isr J Med Sci** 11(12):1390, Dec 75

The cholinergic nervous system and immediate hypersensitivity. 1. Eccrine sweat responses in allergic patients. Kaliner M. **J Allergy Clin Immunol** 58(2):308–15, Aug 76

Muscarinic acetylcholine receptor from rat brain. Partial purification and characterization. Alberts P, et al. **J Biol Chem** 251(6):1543–7, 25 Mar 76

Affinity partitioning of membranes. Cholinergic receptor-containing membranes from Torpedo californica. Flanagan SD, et al. **J Biol Chem** 251(3):858–65, 10 Feb 76

Membrane receptors for hormones and neurotransmitters. Kahn CR. **J Cell Biol** 70(2 pt 1):261–86, Aug 76

Ultrastructure of acetylcholine receptor clusters on cultured muscle fibers. Vogel Z, et al. **J Cell Biol** 69(2):501–7, May 76

The pharmacology of an insect ganglion: actions of carbamylcholine and acetylcholine. Sattelle DB, et al. **J Exp Biol** 64(1):13–23, Feb 76

Pathological mechanisms in experimental autoimmune myasthenia gravis. II. Passive transfer of experimental autoimmune myasthenia gravis in rats with anti-acetylcholine recepotr antibodies. Lindstrom JM, et al. **J Exp Med** 144(3):739–53, 1 Sep 76

Pathological mechanisms in experimental autoimmune myasthenia gravis. I. Immunogenicity of syngeneic muscle acetylcholine receptor and quantitative extraction of receptor and antibody-receptor complexes from muscles of rats with experimental autoimmune myasthenia gravis. Lindstrom JM, et al. **J Exp Med** 144(3):726–38, 1 Sep 76

Passive transfer of experimental autoimmune myasthenia by lymph node cells in inbred guinea pigs. Tarrab-Hazdi R, et al. **J Exp Med** 142(3):785–9, 1 Sep 75

Electrophysiological properties of the membrane and acetylcholine receptor in developing rat and chick myotubes. Ritchie AK, et al. **J Gen Physiol** 66(3):327–55, Sep 75

Electrophysiological properties of the membrane and acetylcholine receptor in developing rat and chick myotubes. Ritchie AK, et al. **J Gen Physiol** 66(3):327–55, Sep 75

Ionic properties of the acetylcholine receptor in cultured rat myotubes. Ritchie AK, et al. **J Gen Physiol** 65(6):751–67, Jun 75

Further studies on the binding properties of cobra neurotoxin to cholinergic receptors in mouse skeletal muscle. Libelius R, et al. **J Neural Transm** 37(2):165–74, 1975

A model for the localization of acetylcholine receptors at the muscle endplate. Edwards C, et al. **J Neurobiol** 7(4):377–81, Jul 76

Biochemical studies on muscarinic acetylcholine receptors. Birdsall NJ, et al. **J Neurochem** 27(1):7–16, Jul 76 (83 ref.)

Subcellular localization and properties of a cholinergic receptor isolated from housefly heads. Donnellan JF, et al. **J Neurochem** 25(5):623–9, Nov 75

Acetylcholine receptors: number and distribution in intact and deafferented superior cervical ganglion of the rat. Fumagalli L, et al. **J Neurochem** 27(1):47–52, Jul 76

The nicotinic acetylcholine receptor; a glycoprotein. Mattson C, et al. **J Neurochem** 25(6):899–901, Dec 75

Proceedings: Flourescent staining of acetylcholine receptors in living muscle cells. Anderson MJ, et al. **J Physiol (Lond)** 252(2):63P–64P, Nov 75

Loss of alpha-bungarotoxin from junctional and extrajunctional acetylcholine receptors in rat diaphragm muscle in vivo and in organ culture. Berg DK, et al. **J Physiol (Lond)** 252(3):771–89, Nov 75

Effects of stimulating the acetylcholine receptor on the current-voltage relationships of the smooth muscle membrane studied by voltage clamp of potential recorded by micro-electrode. Bolton TB. **J Physiol (Lond)** 250(1):175–202, Aug 75

Re-innervation of rat skeleton muscle in the presence of alpha-bungarotoxin. Jansen JK, et al. **J Physiol (Lond)** 250(3):651–67, Sep 75

The acetylcholine sensitivity of the surface membrane of multiply-innervated parasympathetic ganglion cells in the mudpuppy before and after partial denervation. Roper S. **J Physiol (Lond)** 254(2):455–73, Jan 76

Characterization of acetylcholine receptors in the Schwann cell membrane of the squid nerve fibre. Villegas J.

J Physiol (Lond) 249(3):679–89, Aug 75
Binding of agonists and antagonists to muscarinic receptors. Birdsall NJ, et al. **J Supramol Struct** 4(3):367–71, 1976
Preliminary characterization of the acetylcholine receptor in human erythrocytes. Huestis WH. **J Supramol Struct** 4(3):355–65, 1976
Immunological studies of acetylcholine receptors. Lindstrom J. **J Supramol Struct** 4(3):389–403, 1976
Effect ofcholinergic ligands on the lipids of acetylcholine receptor–rich membrane preparations from Torpedo californica. Martinez–Carrion M, et al. **J Supramol Struct** 4(3):373–80, 1976
Reconstitution of a purified acetylcholine receptor. Michaelson DM, et al. **J Supramol Struct** 4(3):419–25, 1976
Appearance of acetylcholine receptors in cultured myoblasts prior to fusion. Teng NN, et al. **J Supramol Struct** 4(3):381–7, 1976
Membrane permeability and receptor function. Levy WB. **J Theor Biol** 60(01):109–30, 21 Jul 76
Adrenergic and cholinergic stimulation and blockade of the human bladder base. Benson GS, et al. **J Urol** 116(2):174–5, Aug 76
Humoral antibodies to acetylcholine receptor in patients with myasthenia gravis. Aharonov A, et al. **Lancet** 2(7930):340–2, 23 Aug 75
Letter: Acetylcholine–receptor–blocking factor and striated–muscle antibody in myasthenia gravis. Strauss AJ. **Lancet** 1(7974):1405–6, 26 Jun 76
Neurotransmitter metabolism in murine neuroblastoma cells. Breakefield XO. **Life Sci** 18(3):267–78, 1 Feb 76 (90 ref.)
Recent advances in myasthenia gravis. Elias SB, et al. **Life Sci** 18(10):1031–7, 15 May 76 (41 ref.)
Acetylchdline receptor antibodies in myasthenia gravis. Appel SH, et al. **N Engl J Med** 293(15):760–1, 9 Oct 75
Editorial: Cause of weakness in myasthenia gravis. Grob D. **N Engl J Med** 294(13):722–3, 25 Mar 76
Letter: Lymphocyte stimulation by acetylcholine receptor in myasthenia gravis. Malm TM. **N Engl J Med** 295(4):226, 22 Jul 76
Detection of anti–acetylcholine receptor factors in serum and thymus from patients with myasthenia gravis. Mittag T, et al. **N Engl J Med** 294(13):691–4, 25 Mar 76
Cellular immunity in myasthenia gravis. Response to purified acetylcholine receptor and autologous thymocytes. Richman DP, et al. **N Engl J Med** 294(13):694–8, 25 Mar 76
Ionic permeability changes occurring at excitatory receptor membranes of chemical synapses. Anwyl R, et al. **Nature** 257(5525):410–12, 2 Oct 75
Reduced muscle acetylcholine sensitivity in rats immunised with acetylcholine receptor. Bevan S, et al. **Nature** 260(5550):438–9, 1 Apr 76
Letter: Similarities between 'cholinergic proteolipid' and detergent–extracted cholinergic proteins. De Robertis E, et al. **Nature** 259(5544):605–6, 19 Feb 76
Morphine withdrawal response and central cholinergic activity. Frederickson RC. **Nature** 257(5522):131–2, 11 Sep 75
Strain differences in the autoimmune response of mice to acetylcholine receptors. Fuchs S, et al. **Nature** 263(5575):329–30, 23 Sep 76
Two kinds of cholinoreceptors on the membrane of the completely isolated identified Planorbarius corneus neurone. Ger BA, et al. **Nature** 259(5545):681–4, 26 Feb 76
Bacteria necessary to produce experimental autoimmune myasthenia gravis in acetylcholine receptor–immunised rabbits? Heilbronn E, et al. **Nature** 262(5568):509, 5 Aug 76
Muscle activity decreases rate of degradation of alpha–bungarotoxin bound to extrajunctional acetylcholine receptors. Hogan PG, et al. **Nature** 261(5558):328–30, 27 May 76
Comparison of alpha–bungarotoxin binding to skeletal muscles after inactivity or denervation. Lavoie PA, et al. **Nature** 260(5549):349–50, 25 Mar 76
Effect of muscle disuse on acetylcholine receptors. Pestronk A, et al. **Nature** 260(5549):352–3, 25 Mar 76
Autoradiographic localisation of alpha–bungarotoxin–binding sites in the central nervous system. Polz–Tejera G, et al. **Nature** 258(5533):349–51, 27 Nov 75
Function of muscarinic and nicotinic acetylcholine receptors. Purves RD. **Nature** 261(5556):149–51, 13 May 76
The acetylcholine receptor in normal and pathologic states. Immunoperoxidase visualization of alpha–bungarotoxin binding at a light and electron–microscopic level. Bender AN, et al. **Neurology (Minneap)** 26(5):477–83, May 76
Alteration in nicotinic and muscarinic responses of rabbit superior cervical ganglion cells after chronic preganglionic denervation. Dun N, et al. **Neuropharmacology** 15(4):211–8, Apr 76
Current–voltage relation and reversal potential at junctional and extrajunctional ACh–receptors of the frog neuromuscular junction. Mallart A, et al. **Pflugers Arch** 362(1):43–7, 11 Mar 76
Hormone and neurotransmitter receptors in an establiished vascular endothelial cell line. Buonassisi V, et al. **Proc Natl Acad Sci USA** 73(5):1612–6, May 76
Acetylcholine receptors at neuromuscular synapses: phylogenetic differences detected by snake alpha–neurotoxins. Burden SJ, et al. **Proc Natl Acad Sci USA** 72(8):3245–9, Aug 75
Synthesis of acetylcholine receptors by cultured chick myotubes and denervated mouse extensor digitorum longus muscles. Devreotes PN, et al. **Proc Natl Acad Sci USA** 73(1):161–4, Jan 76
Experimental myasthenia in Balb/c mice immunized with rat acetylcholine receptor from rat denervated muscle. Granato DA, et al. **Proc Natl Acad Sci USA** 73(8):2872–6, Aug 76
Acetylcholine–receptor–mediated ion flux in electroplax membrane preparations. Hess GP, et al. **Proc Natl Acad Sci USA** 72(11):4371–5, Nov 75
Photoaffinity labeling and quaternary structure of the acetylcholine receptor from Torpedo californica. Hucho F, et al. **Proc Natl Acad Sci USA** 73(8):2624–8, Aug 76
Receptor–mediated shifts in cGMP and cAMP levels in neuroblastoma cells. Matsuzawa H, et al. **Proc Natl Acad Sci USA** 72(9):3472–6, Sep 75
Synthesis of acetylcholine receptor during differentiation of cultured embryonic muscle cells. Merlie JP, et al. **Proc Natl Acad Sci USA** 72(10):4028–32, Oct 75
Formation of cholinergic synapses between dissociated sympathetic neurons and skeletal myotubes of the rat in cell culture. Nurse CA, et al. **Proc Natl Acad Sci USA** 72(5):1955–9, May 75
Relaxation measurements on the acetylcholine receptor. Sheridan RE, et al. **Proc Natl Acad Sci USA** 72(9):3496–500, Sep 75
Localization of acetylcholine receptors during synaptogenesis in retina. Vogel Z, et al. **Proc Natl Acad Sci USA** 73(6):1806–10, Jun 76
Synapse and acetylcholine receptor synthesis by neurons dissociated from retina. Vogel Z, et al. **Proc Natl Acad Sci USA** 73(7):2370–4, Jul 76
Autonomic receptors of the early rat embryo heart growth and development. Robkin MA, et al. **Proc Soc Exp Biol Med** 151(4):799–803, Apr 76
An in vitro evaluation of possible cholinergic and adrenergic receptors affecting pancreatic amylase secretion. Williams JA. **Proc Soc Exp Biol Med** 150(2):513–6, Nov 75
Changes in chemosensitivity of skeletal muscles as related to endplate formation. Gordon T, et al. **Prog Neurobiol** 3(2):103–36, 1976 (203 ref.)
The incorporation of hydrophobic protein receptors and artificial lipid membranes. Reader TA, et al. **Recent Adv Stud Cardiac Struct Metab** 9:149–59, 1976
Acetylcholine hot spots: development on myotubes cultured from aneural limb buds. Bekoff A, et al. **Science** 193(4256):915–7, 3 Sep 76
Myasthenia gravis: passive transfer from man to mouse. Toyka KV, et al. **Science** 190(4212):397–9, 24 Oct 75
A sequential study of denervation – ultrastructural immunoperoxidase localization of alpha–bungarotoxin. Ringel SP, et al. **Trans Am Neurol Assoc** 100:52–6, 1975
[Structural transitions of the Torpedo cholinergic receptor in its membrane state as demonstrated by a fluorescent local anesthetic: quinacrine] Grünhagen H, et al. **C R Acad Sci [D] (Paris)** 281(14):1047–50, 6 Oct 75 (Eng. Abstr.) **(Fre)**
[Experimental polymyositis induced by the injection of acetylcholine receptors. Study of the lesions in rats and guinea pigs] Schwartz J, et al. **C R Acad Sci [D] (Paris)** 282(12):1215–8, 22 Mar 76 (Eng. Abstr.) **(Fre)**
[Local oversensitivity of sensoric receptors as cause of reflectoric airway obstruction (author's transl)] Islam MS, et al. **Respiration** 32(6):445–52, 1975 **(Ger)**
[Myasthenia gravis and acetylcholine receptor] Abramsky O, et al. **Harefuah** 89(12):553–6, 15 Dec 75 (Eng. Abst..) **(Heb)**
[Biochemical features of receptors (author's transl)] Cotrufo R. **Riv Patol Nerv Ment** 95(4):180–95, Aug 74 (26 ref.) (Eng. Abstr.) **(Ita)**
[Proceedings: Chemical modification of the amino group of acetylcholine receptor and hydrogen–ion concentration] Maruhashi J, et al. **J Physiol Soc Jpn** 36(8–9):339, 1 Sep 74 **(Jpn)**
[Identification of carboxyl groups in the cholinoreceptor of Lymnaea stagnalis neurons] Il'in VI, et al. **Dokl Akad Nauk SSSR** 227(6):1469–71, 1976 **(Rus)**
[Role of the central and peripheral cholinoreceptors in the processes of short–term memory] Selivanova AT, et al. **Farmakol Toksikol** 38(6):647–50, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Double cholinergic and adrenergic regulation of cerebral blood flow] Meyer JS, et al. **Fiziol Zh SSSR** 61(10):1518–23, Oct 75 (Eng. Abstr.) **(Rus)**
[Microionophoretic study of the cholinoceptor neurons of the visual cortex of cats] Perkhurova VD. **Neirofiziologiia** 7(3):320–3, 1975 (Eng. Abstr.) **(Rus)**
[Electronmicroscopic study of the gravity receptors in ctenophores] Aronova MZ. **Zh Evol Biokhim Fiziol** 11(5):503–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Isolation and reconstruction of cholinergic receptor proteins] De Robertis E. **Zh Evol Biokhim Fiziol** 12(3):213–26, May–Jun 76 (64 ref.) **(Rus)**
[Cholinoreception in Ascaris suum (Nematoda) ascarids and the liver fluke Fasciola hepatica (Trematoda)] Maliutina TA, et al. **Zh Evol Biokhim Fiziol** 12(3):245–9, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Dependence of the differential threshold of sound strength on the functional state of the adrenergic and cholinergic systems of the brain] Kozhevnikova AP, et al. **Zh Ushn Nos Gorl Bolezn** (5):15–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The allosteric influence of beta–halo–alkylamines on the acetyl–choline receptor of smooth muscle. Morgenstern R, et al. **Acta Biol Med Ger** 34(1):K1–5, 1975
Animal behavior: influence of drugs affecting monoaminergic and cholinergic neurotransmission. Izquierdo JA. **Acta Physiol Lat Am** 24(6):644–55, 1974
Glycogenolysis in the heart and skeletal muscle during stimulation and blocking of cholinergic receptors. II. Action of cholinolytic compounds. Wilczek J. **Arch Immunol Ther Exp (Warsz)** 24(2):273–8, 1976
Glycogenolysis in the heart and skeletal muscle during stimulation and blocking of cholinergic receptors. I. Action of parasympathicotonic compounds. Wilczek J. **Arch Immunol Ther Exp (Warsz)** 24(2):267–72, 1976
Glycogenolysis in the heart and skeletal muscle during stimulation and blocking of cholinergic receptors. III. Action of acetylcholine under conditions of sympathicolysis. Wilczek J. **Arch Immunol Ther Exp (Warsz)** 24(2):279–84, 1976
Letter: Acetylcholine receptors and alpha–bungarotoxin. Satya–Murti S. **Arch Ophthalmol** 94(2):339, Feb 76
Acetylcholine receptors in Schistosoma Mansoni: visualization and blockade by hycanthone. Hillman GR, et al. **Biochem Pharmacol** 24(20):1911–4, 15 Oct 75
The influence of some acetylcholine–receptor activating and blocking agents on the esteratic site of acetylcholinesterase. Pavlic MR. **Biochem Pharmacol** 24(21):2000–2, 1 Nov 75
Effect of temperature upon the conformation of acetylcholine receptors. Rosen G, et al. **Biochem Pharmacol** 25(11):1329–32, 1 Jun 76
Cholinergic sites in skeletal muscle. I. Denervation effects. Almon RR, et al. **Biochemistry** 15(17):3662–7, 24 AUG 76
Cholinergic sites in skeletal muscle. II. Interaction of an agonist and two antagonists with the acetylcholine site. Almon RR, et al. **Biochemistry** 15(17):3667–71, 24 AUG 76
Ligand interactions with the acetylcholine receptor from Torpedo californica. Extensions of the allosteric model for cooperativity to half–of–site activity. Gibson RE. **Biochemistry** 15(17) 24 AUG 76
Adrenergic mechanisms in the rabbit ear artery. A review. de la Lande IS. **Blood Vessels** 12(3):137–60, 1975 (103 ref.)
A cholinoceptor antiserum: its pharmacological properties. Berti F, et al. **Br J Pharmacol** 57(1):17–22, May 76
Proceedings: Is the latency of parasympathetic nerve effects due to a slow activation of muscarinic receptors? An iontophoretic study. Bolton TB. **Br J Pharmacol** 55(2):304P, Oct 75
Calcitonin: antagonism at intestinal muscarinic receptors. Dreyfus CF, et al. **Br J Pharmacol** 57(1):155–7, May 76
Proceedings: The effect of chlorpromazine on carbachol binding to muscarinic receptors in intestinal smooth muscle. Haigh E, et al. **Br J Pharmacol** 55(2):303P–304P, Oct 75
Proceedings: An interaction between the alpha and beta actions of catecholamines in guinea–pig liver slices. Koller K, et al. **Br J Pharmacol** 56(3):362P–363P, Mar 76
Denervation supersensitivity in the cholinergic septo–hippocampal pathway: a microiontophoretic study. Bird SJ, et al. **Brain Res** 100(2):355–70, 19 Dec 75
Effects of alpha–toxins from Bungarus multicinctus and Bungarus caeruleus on cholinergic responses in Aplysia neurons. Kehoe J, et al. **Brain Res** 107(3):527–40, 14 May 76
Differential effects of mercurial compounds on excitable tissues. Shamoo AE, et al. **Chem Biol Interact** 12(1):41–52, Jan 76
Further evidence that extrinsic acetylcholine acts preferentially on extrajunctional receptors in the chick biventer cervicis muscle. Chang CC, et al. **Eur J Pharmacol** 33(2):337–44, Sep–Oct 75
A study of muscarinic receptor heterogeneity with weak antagonists. Fisher A, et al. **Eur J Pharmacol** 38(1):131–9, Jul 76
A new probe for heterogeneity in muscarinic receptors: 2–methyl–spiro–(1, 3–dioxolane–4, 3')–quinuclidine. Fisher A, et al. **Eur J Pharmacol** 37(2):329–38, Jun 76
Ceruleotoxin: an acidic neurotoxin from the venom of Bungarus caeruleus which blocks the response to a cholinergic agonist without binding to the cholinergic receptor site. Bon C, et al. **FEBS Lett** 59(2):212–6, 15 Nov 75
Antischizophrenic drugs: affinity for muscarinic cholinergic receptor sites in the brain predicts extrapyramidal effects. pp. 91–5. Snyder SH, et al. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.**
Carbamylcholine and acetylcholine–sensitive, cation–selective ionophore as part of the purified acetylcholine receptor. Shamoo AE, et al. **J Membr Biol** 25(1–2):47–63, 4 Dec 75
Effects of small organic molecules on the cholinergic receptors of the motor endplate. Saji Y, et al. **J Neurosci Res** 1(5–6):437–57, 1975
Proceedings: The effects of some bis–quaternary ammonium compounds on choline acetyltransferase, cholinesterase and the cholinergic receptor. Hemsworth BA. **J Pharm Pharmacol** 27 Suppl?–2:61P, Dec 75
Effects of chronic treatment with various neuromuscular blocking agents on the number and distribution of acetylcholine receptors in the rat diaphragm. Chang CC, et al. **J Physiol (Lond)** 250(1):161–73, Aug 75

Altered tracheal smooth muscle activities in an animal model of human myotonic dystrophy. Fairhurst AS, et al. **Life Sci** 18(6):619–25, 15 Mar 76

Attenuation by catecholamine antagonists of the hypothermia that follows cerebral infarction in gerbils. Moskowitz MA, et al. **Life Sci** 17(4):597–602, 15 Aug 75

Muscarinic cholinergic receptor binding: influence of pimozide and chlorpromazine metabolites. Yamamura HI, et al. **Life Sci** 18(7):685–91, 1 Apr 76

Inversion of stereospecificity by methylation of compounds acting at acetylcholine receptors. Barlow RB, et al. **Mol Pharmacol** 11(5):690–3, Sep 75

Effects of inhibitors of the binding of iodinated alpha-bungarotoxin to acetylcholine receptors in rat muscle. Colquhoun D, et al. **Mol Pharmacol** 12(4):519–35, Jul 76

Inhibition of receptor-mediated noradrenaline release from the sympathetic nerves of the isolated rabbit heart by anaesthetics and alcohols in proportion to their hydrophobic property. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):145–52, 25 Feb 76

Affinity-labelling of the muscarinic receptor of the guinea-pig ileum. Lebbin C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(3):237–49, 17 Jul 75

Pre- and post-junctional receptor-mediated cholinergic interactions with adrenergic transmission in guinea-pig vas deferens. Stjärne L. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):305–10, 1975

Induction of acetylcholine receptors in muscle cultures. Shainberg A, et al. **Pfluegers Arch** 361(3):255–61, 24 Feb 76

Regulation of binding properties of the nicotinic receptor protein by cholinergic ligands in membrane fragments from Torpedo marmorata. Weber M, et al. **Proc Natl Acad Sci USA** 72(9):3443–7, Sep 75

Spin labeled acetylcholine analogs: studies of cholinergic receptor. Rosen GM, et al. **Res Commun Chem Pathol Pharmacol** 12(2):317–29, Oct 75

Influence of extracellular calcium and a water-soluble carboxyl group reagent on cholinergic drug-receptor interactions in skeletal muscle. Roufogalis BD. **Res Commun Chem Pathol Pharmacol** 11(4):553–66, Aug 75

Acetylcholine noise: analysis after chemical modification of receptor. Landau EM, et al. **Science** 185(4155):944–6, 13 Sept 74

Effects of moderate pressure He-O2 saturation and response modifiers on neuromuscular function. Friess SL, et al. **Undersea Biomed Res** 2(1):35–41, Mar 75

[Cholinergic receptors in the rat uterus] Morales-Olivas FJ, et al. **Therapie** 31(2):223–9, Mar-Apr 76 (Eng. Abstr.) **(Fre)**

[Reflex cholinergic coronary vasodilatation. Blockade with atropine] Naess K. **Tidsskr Nor Laegeforen** 96(7):445–6, 10 Mar 76 **(Nor)**

[Participation of brain cholinergic mechanisms in the action of neuroleptics] Gromov AI. **Farmakol Toksikol** 38(2):145–8, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[The role of Ca ions in desensitization induced by acetylcholine] Nistratova SN. **Fiziol Zh SSSR** 61(7):1008–15, Jun 75 (Eng. Abstr.) **(Rus)**

[Cholinoreceptors and the physiological activity of organic compounds] Avoian RL. **Usp Sovrem Biol** 79(2):252–70, Mar-Apr 75 (105 ref.) **(Rus)**

[Study of the cholinoreceptive membrane of an isolated identified neuron of the mollusk Planorbarius corneus] Ger BA, et al. **Zh Evol Biokhim Fiziol** 12(3):289–91, May-Jun 76 (Eng. Abstr.) **(Rus)**

[Age peculiarities in the effect of M- and N-cholinolytics on the activity of the epileptogenic zone in the rabbit hippocampus] Grigor'eva ON, et al. **Zh Evol Biokhim Fiziol** 11(5):497–502, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

RECEPTORS, DRUG

Role of the noradrenergic and the dopaminergic receptors in the mechanism of the avoidance reflex in rats. Plech A, et al. **Acta Med Pol** 16(4):225–30, 1975

On the functional role of pre- and postsynaptic catecholamine receptors in brain. Strömbom U. **Acta Physiol Scand [Suppl]** 431:1–43, 1975

Phospholipids and the GABA receptor. Giambalvo CT, et al. **Adv Exp Med Biol** 72:265–8, 1976 (17 ref.)

Classification and biological distribution of histamine receptor sub-types. Chand N, et al. **Agents Actions** 5(4):277–95, Oct 75

Galactose oxidase as a tool to label a glycoprotein and to study its fixation on isolated guinea-pig ileum receptors. Feger J, et al. **Agents Actions** 5(5):448–9, Dec 75

The possible role of brain histamine and H1 and H2 receptors in the development of morphine tolerance and physical dependence in mice. Wong CL, et al. **Agents Actions** 5(5):476–83, Dec 75

A specific receptor for retinol binding protein as detected by the binding of human and bovine retinol binding protein to pigment epithelial cells. Heller M, et al. **Am J Ophthalmol** 81(1):93–7, Jan 76

Neurophysiological studies on central chemosensor in medullary ventrolateral areas. Pokorski M. **Am J Physiol** 230(5):1288–95, May 76

Histamine H1- and H2-receptors in pulmonary and systemic vasculature of the dog. Tucker A, et al. **Am J Physiol** 229(4):1008–13, Oct 75

A convenient erythrocyte membrane cyclic AMP binding assay. Hesse JE, et al. **Anal Biochem** 68(1):202–8, Sep 75

Charcoal adsorption assay for measurement of colchicine binding and tubulin content of crude tissue extracts. Rapaport E, et al. **Anal Biochem** 69(1):92–9, Nov 75

An affinity column for ecdysone binding proteins. Sage BA, et al. **Anal Biochem** 73(1):240–6, 21 May 76

Fluorescein conjugated alpha-bungarotoxin: its properties and interaction with acetylcholine receptors. Suszkiw JB, et al. **Anal Biochem** 73(1):109–14, 21 May 76

High number of antigen-binding cells in unimmunized mice and possible occurrence of multispecific lymphocytes. Urbain-Vansanten G, et al. **Ann Immunol (Paris)** 125(6):885–900, Nov 74 (Eng. Abstr.)

Serum acetylcholine-receptor antibodies in myasthenia gravis. Almon RR, et al. **Ann NY Acad Sci** 274:235–43, 1976 (27 ref.)

Immunoperoxidase localization of alpha bungarotoxin: a new approach to myasthenia gravis. Bender AN, et al. **Ann NY Acad Sci** 274:20–30, 1976 (30 ref.)

Myasthenia gravis as a receptor disorder. Drachman DB, et al. **Ann NY Acad Sci** 274:226–34, 1976 (31 ref.)

Acetylcholine receptor and myasthenia gravis. Fulpius BW, et al. **Ann NY Acad Sci** 274:116–29, 1976 (28 ref.)

Studies on the ability of acetylcholine receptors to bind alpha-bungarotoxin after exposure to myasthenic serum. Keesey J, et al. **Ann NY Acad Sci** 274:244–53, 1976 (21 ref.)

Antibodies to acetylcholine receptors in rabbits: immunochemical and electrophysiological studies. Penn AS, et al. **Ann NY Acad Sci** 274:354–76, 1976

Ultrastructural studies on the acetylcholine receptor at motor end plates of normal and pathologic muscles. Porter CW, et al. **Ann NY Acad Sci** 274:85–107, 1976 (59 ref.)

Isolation and properties of acetylcholine receptors from Electrophorus and Torpedo. Valderrama R, et al. **Ann NY Acad Sci** 274:108–15, 1976 (22 ref.)

Neurotransmitter receptors in the brain: biochemical identification. Snyder SH, et al. **Annu Rev Physiol** 38:153–75, 1976 (130 ref.)

Regulation of membrane functions and fatty acid composition in Escherichia coli by cyclic AMP receptor protein. Dallas WS, et al. **Arch Biochem Biophys** 175(1):295–302, Jul 76

Receptors for insulin and epidermal growth factor: relation to synthesis of DNA in cultured rabbit lens epithelium. Hollenberg MD. **Arch Biochem Biophys** 171(2):371–7, Dec 75

Cooperativity in classical receptor theory. Scaf AH. **Arch Int Pharmacodyn Ther** 215(1):4–12, May 75

The specific binding of radioiodinated vasoactive intestinal octacosapeptide (VIP) on isolated pancreatic acinar cells from the guinea pig. Christophe J, et al. **Arch Int Physiol Biochim** 83(5):950–1, Dec 75

Identification of opiate/receptor binding in vivo. Höllt V, et al. **Arzneim Forsch** 26(6):1102–4, 1976

Biosynthesis in vitro and the pattern of lectin binding receptors in monkey kidney cell surfaces. Basu M, et al. **Biochem Biophys Res Commun** 66(4):1380–8, 27 Oct 75

An alpha-tocopherol binding protein in rat liver cytoplasm. Catignani GL. **Biochem Biophys Res Commun** 67(1):66–72, 3 Nov 75

A reappraisal of the relationship of phosphate-acceptor protein to parvalbumins. Demaille J, et al. **Biochem Biophys Res Commun** 67(3):1034–40, 1 Dec 75

Folate transport in Lactobacillus casei: solubilization and general properties of the binding protein. Henderson GB, et al. **Biochem Biophys Res Commun** 68(3):712–7, 9 Feb 76

A glucose acceptor in plants with the properties of an alpha-saturated polyprenyl-monophosphate. Lezica RP, et al. **Biochem Biophys Res Commun** 66(3):980–7, 6 Oct 75

Binding of cyclic nucleotides with soluble proteins increases in 'differentiated' neuroblastoma cells in culture. Prasad KN, et al. **Biochem Biophys Res Commun** 66(1):131–8, 2 Sep 75

Increased production of the outer membrane receptors for colicins B, D and M by Escherichia coli under iron starvation. Pugsley AP, et al. **Biochem Biophys Res Commun** 70(3):846–53, 7 Jun 76

The interaction of albumin and concanavalin A with normal and sickle human erythrocytes. Rehfeld SJ. **Biochem Biophys Res Commun** 66(2):586–91, 16 Sep 75

Cooperativity in concanavalin A-binding to thymocyte membranes: correlation with polymerization of a receptor glycoprotein. Schmidt-Tllrich R, et al. **Biochem Biophys Res Commun** 69(4):1011–8, 19 Apr 76

Isolation and purification of cytokinin binding protein from tobacco leaves by affinity column chromatography. Takegami T, et al. **Biochem Biophys Res Commun** 67(2):782–9, 17 Nov 75

Opiate receptor affinity of peptides related to Leu-enkephalin. Terenius L, et al. **Biochem Biophys Res Commun** 71(1):175–9, 12 Jul 76

The role of fatty acid binding protein on the metabolism of fatty acids in isolated rat hepatocytes. Wu-Rideout MY, et al. **Biochem Biophys Res Commun** 71(3):809–16, 9 Aug 76

Studies on protein kinase activity and the binding of adenosine 3'5-monophosphate by membranes of hereditary spherocytosis erythrocytes. Zail SS, et al. **Biochem Biophys Res Commun** 66(3):1078–86, 6 Oct 75

Co-operativity in the cyclic model for drug-receptor interaction. Nimmo IA, et al. **Biochem Pharmacol** 25(16):1903–5, 15 Aug 76

Studies on free calcium inside pigeon erythrocyte 'ghosts' by using the calcium-activated luminescent protein, obelin. Campbell AK, et al. **Biochem Soc Trans** 3(5):709–11, 1975

Homing of liposomes to target cells. Gregoriadis G. **Biochem Soc Trans** 3(5):613–8, 1975

Drug-albumin binding. Lindup WE. **Biochem Soc Trans** 3(5):635–40, 1975

Covalent binding: useful index of the formation of chemically reactive drug metabolites. Mitchell JR. **Biochem Soc Trans** 3(5):622–6, 1975

Interactions of steroid sulphates, long-chain fatty acids and related compounds with a low-molecular-weight carcinogen-binding protein from rat liver. Tipping E, et al. **Biochem Soc Trans** 3(5):680–3, 1975

Identification of the amatoxin-binding subunit of RNA polymerase B by affinity labeling experiments. Subunit B3-the true amatoxin receptor protein of multiple RNA polymerase B. Brodner OG, et al. **Biochemistry** 15(16):3480–4, 10 Aug 76

Investigation of quercetin binding sites on chloroplast coupling factor 1. Cantley LC Jr, et al. **Biochemistry** 15(1):1–8, 13 Jan 76

Characterization of sulfhydryl groups on chloroplast coupling factor 1 exposed by heat activation. Department of Chemistry, Cornell University, Ithaca, New York 14853.. **Biochemistry** 15(1):9–14, 13 Jan 76

Photoaffinity labeling of adenosine 3',5'-cyclic monophosphate binding sites of human red cell membranes. Haley BE. **Biochemistry** 14(17):3852–7, 26 Aug 75

Solubilization of an alpha-bungarotoxin-binding component from rat brain. Lowy J, et al. **Biochemistry** 15(7):1522–7, 6 Apr 76

Properties of the tetrodotoxin binding component in plasma membranes isolated from Electrophorus electricus. Reed JK, et al. **Biochemistry** 15(5):944–53, 9 Mar 76

Escherichia coli stringent factor binds to ribosomes at a site different from that of elongation factor Tu or G. Richter D, et al. **Biochemistry** 14(20):4414–20, 7 Oct 75

The mechanism of action of vinblastine. Binding of [acetyl-3H]vinblastine to embryonic chick brain tubulin and tubulin from sea urchin sperm tail outer doublet microtubules. Wilson L, et al. **Biochemistry** 14(26):5586–92, 30 Dec 75

Isolation and purification of calcium-binding protein from electroplax of Electrophorus electricus. Childers SR, et al. **Biochim Biophys Acta** 405(1):99–108, 9 Sep 75

Precipitation and carbohydrate-binding specificity studies on wheat germ agglutinin. Goldstein IJ, et al. **Biochim Biophys Acta** 405(1):53–61, 9 Sep 75

Histamine (H2) receptor-adenylate cyclase system in pig skin (epidermis). Iizuka Hadachi K, et al. **Biochim Biophys Acta** 437(1):150–7, 23 Jun 76

Binding of daunomycin to nonhistone proteins from rat liver. Kikuchi H, et al. **Biochim Biophys Acta** 434(2):509–12, 15 Jun 76

Sugar binding to purified fractions from bovine taste buds and epithelial tissue. Relationships to bioactivity. Lum CK, et al. **Biochim Biophys Acta** 421(2):380–94, 24 Feb 76

Transmembrane control of the receptors on normal and tumor cells. I. Cytoplasmic influence over surface components. Nicolson GL. **Biochim Biophys Acta** 457(1):57–108, 13 Apr 76

A specific cephalosporin-binding protein of Citrobacter freundii. Ogawara H. **Biochim Biophys Acta** 420(1):155–64, 20 Jan 76

Pallidin. Purification and characterization of a carbohydrate-binding protein from Polysphondylium pallidum implicated in intercellular adhesion. Simpson DL, et al. **Biochim Biophys Acta** 412(1):109–19, 18 Nov 75

Surface binding and interiorization of homologous and heterologous serum lipoproteins by rat aortic smooth muscle cells in culture. Stein O, et al. **Biochim Biophys Acta** 398(3):377–84, 19 Sep 75

Subcellular localization of binding sites for cytochalasin D: evidence from activation energies. Tannenbaum J, et al. **Biochim Biophys Acta** 413(2):322–7, 1 Dec 75

Partial purification and properties of a DNA-binding protein from nuclei of cells infected with polyoma virus. Yeh WS, et al. **Biochim Biophys Acta** 418(3):266–76, 5 Feb 76

Lateral diffusion of concanavalin A receptors in the plasma membrane of mouse fibroblasts. Zagyansky Y, et al. **Biochim Biophys Acta** 433(1):209–14, 16 Apr 76

Prostaglandin F2 alpha receptors in bovine corpora lutea throughout pregnancy. Rao CV. **Biol Reprod** 15(1):134–9, Aug 76

An electron spin resonance study of synaptosome opiate receptors. The preparation and use of a spin labeled morphine. Copeland ES, et al. **Biophys J** 15(11):1125–39, Nov 75

Quantitation of subclasses of mononuclear cells in normal human blood by membrane receptor studies. Habeshaw JA, et al. **Br J Haematol** 29(1):43–55, Jan 75

Proceedings: A theoretical model of two functionally opposite receptor populations. Szabadi E. **Br J Pharmacol** 55(2):311P, Oct 75

Stereospecific binding of D-lysergic acid diethylamide (LSD) to brain membranes: relationship to serotonin receptors. Bennett JP Jr, et al. **Brain Res** 94(3):523–44, 5 Sep 75

Properties of gamma-aminobutyric acid (GABA) receptor

binding in rat brain synaptic membrane fractions. Enna SJ, et al. **Brain Res** 100(1):81–97, 12 Dec 75

Development of muscarinic cholinergic and GABA receptor binding in chick embryo brain. Enna SJ, et al. **Brain Res** 101(1):177–83, 9 Jan 76

Binding of alpha–bungarotoxin to chick sympathetic ganglia: properties of the receptor and its rate of appearance during developement. Greene LA. **Brain Res** 111(1):135–45, 23 Jul 76

Regional study of cerebral ventricle sensitive sites to angiotensin II. Hoffman WE, et al. **Brain Res** 110(2):313–30, 9 Jul 76

The binding properties and regional ontogeny of receptors for alpha–bungarotoxin in chick brain. Kouvelas ED, et al. **Brain Res** 113(1):111–26, 20 AUG 76

Opiate receptor binding in primate spinal cord: distribution and changes after dorsal root section. Lamotte C, et al. **Brain Res** 112(2):407–12, 13 Aug 76

A morphine–like factor 'enkephalin' in rat brain: subcellular localization. Simantov R, et al. **Brain Res** 107(3):650–7, 14 May 76

Phylogenetic distribution of a morphine–like peptide 'enkephalin'. Simantov R, et al. **Brain Res** 111(1):204–11, 23 Jul 76

Receptors for alpha–bungarotoxin in the developing visual system of the chick. Wang GK, et al. **Brain Res** 114(3):524–9, 24 Sep 76

Uptake and binding of dissaccharides in human erythrocytes. Beneš I, et al. **Can J Biochem** 54(1):99–101, Jan 76

Studies on the fatty acid binding proteins in cytosol of rat liver. Suzue G, et al. **Can J Biochem** 53(7):804–9, Jul 75

Membrane receptors for murine leukemia viruses: characterization using the purified viral envelope glycoprotein, gp71. DeLarco J, et al. **Cell** 8(3):365–71, Jul 76

Release of low density lipoprotein from its cell surface receptor by sulfated glycosaminoglycans. Goldstein JL, et al. **Cell** 7(1):85–95, Jan 76

Insulin receptors in normal and transformed fibroblasts: relationship to growth and transformation. Thomopoulos P, et al. **Cell** 8(3):417–23, Jul 76

Murine thymic lymphomas as model tumors for T–cell studies. T–cell markers, immunoglobulin and Fc–receptors on AKR thymomas. Krammer PH, et al. **Cell Immunol** 21(1):97–111, Jan 76

Complement (C3) receptor–bearing lymphocyte–mediated cytotoxicity and lymphotoxin responses. O'Neill P, et al. **Cell Immunol** 20(1):33–41, Nov 75

Functional significance of the complement receptors on B lymphocytes. Parish CR, et al. **Cell Immunol** 20(2):290–303, Dec 75

Non–enzymatic and microsome–dependent binding of poly–cyclic hydrocarbons to DNA and polynucleotides. Grilli S, et al. **Chem Biol Interact** 11(5):351–63, Nov 75

The binding of [3H]chlorambucil to nuclear proteins of the Yoshida ascites sarcoma. Riches PG, et al. **Chem Biol Interact** 11(4):291–9, Oct 75

5–Hydroxytryptamine receptors of platelets. Born GV, et al. **Ciba Found Symp** 35:287–307, 1975 (38 ref.)

Is the cell membrane Na+, K+ –ATPase enzyme system the pharmacological receptor for digitalis? Schwartz A. **Circ Res** 39(1):1–7, Jul 76 (36 ref.)

Lymphocytes bearing complement receptors, surface immunoglobulins and sheep erythrocyte receptors in primary immunodeficiency diseases. Luckasen JR, et al. **Clin Exp Immunol** 16(4):535–40, Apr 74

Surface markers on lymphocytes of multiple sclerosis patients. Nowak J, et al. **Clin Exp Immunol** 21(2):278–83, Aug 75

Human lymphocytes bearing both receptors for complement components and SRBC. Chiao JW, et al. **Clin Immunol Immunopathol** 4(4):545–56, Nov 75

Gaba–receptor interactions; models in Helix aspersa neurons. Azanza MJ, et al. **Comp Biochem Physiol [C]** 50(2):155–61, 1 Apr 75

Structure–activity studies on glutamate receptor sites of three identifiable neurones in the sub–oesophageal ganglia of Helix aspersa. Piggott SM, et al. **Comp Biochem Physiol [C]** 51(1):91–100, 1 Jun 75

Plasma and tissue protein binding of drugs in pharmacokinetics. Jusko WJ, et al. **Drug Metab Rev** 5(1):43–140, 1976 (432 ref.)

Medroxyprogesterone acetate: a steroid with potent progestational activity but low receptor affinity in the guinea pig uterus. Feil PD, et al. **Endocrinology** 98(6):1508–15, Jun 76

Failure to monoaminergic and cholinergic receptor blockers to prevent prostaglandin E2–induced luteinizing hormone release. Harms PG, et al. **Endocrinology** 98(2):318–23, Feb 76

The effect of hypophysectomy on the function of the insulin–sensitive central nervous system glucoregulator receptor. Szabo O, et al. **Endocrinology** 97(3):734–8, Sep 75

Cooperative binding of concanavalin A to thymocytes at 4 degrees C and micro–redistribution of concanavalin A receptors. Bornens M, et al. **Eur J Biochem** 65(1):61–9, 17 May 76

The mode of action of pleuromutilin derivatives. Location and properties of the pleuromutilin binding site on Escherichia coli ribosomes. Högenauer G. **Eur J Biochem** 52(1):93–8, 3 Mar 75

Quantitative binding of antibiotics to ribosomes from a yeast mutant altered on the peptidyl–transferase center. Jimenez A, et al. **Eur J Biochem** 54(2):483–92, Jun 75

The binding of atractylate and carboxy–atractylate to mitochondria. Klingenberg M, et al. **Eur J Biochem** 52(2):351–63, 17 Mar 75

Isolation and properties of an arginine–binding protein from Saccharomyces cerevisiae. Opekarová M, et al. **Eur J Biochem** 59(2):373–6, 15 Nov 75

Interactions between prostaglandin analogues and a receptor in bovine Corpora lutea. Correlation of dissociation constants with luteolytic potencies in hamsters. Powell WS, et al. **Eur J Biochem** 59(1):271–6, 1 Nov 75

Localization of a prostaglandin F2alpha receptor in bovine Corpus luteum plasma membranes. Powell WS, et al. **Eur J Biochem** 61(2):605–11, 15 Jan 76

Temperature sensitivity of cyclic–adenosine–3':5'–monophosphate–binding proteins, activity of protein kinases and the regulation of cell growth. Simantov R, et al. **Eur J Biochem** 59(1):89–95, 1 Nov 75

Characterization of calf–ovary adenosine;3':5'–monophosphate–dependent protein kinases and adenosine–3':5'–monophosphate–binding proteins. Talmadge DW, et al. **Eur J Biochem** 60(2):621–32, 15 Dec 75

The protein–mediated transfer of phosphatidylcholine between membranes. The effect of membrane lipid composition and ionic composition of the medium. Wirtz KW, et al. **Eur J Biochem** 61(2):515–23, 15 Jan 76

Non–specific supersensitivity of striatal dopamine receptors after 6–hydroxydopamine lesion of the nigrostriatal pathway. Costall B, et al. **Eur J Pharmacol** 35(2):276–83, Feb 76

Sensitivity of Purkinje cell dendrites to glutamic acid. Chujo T, et al. **Exp Brain Res** 23(3):293–300, 29 Sep 75

Ultrastructural labeling of cell surface lectin receptors during the cell cycle. Garrido J. **Exp Cell Res** 94(1):159–75, Aug 75

On the importance of the binding of lectins to cell surface receptors at low lectin concentrations. Reisner Y, et al. **Exp Cell Res** 97(2):445–8, Feb 76

Distribution and nature of saccharides of plasma membranes of rat ascites hepatoma cells as detected by ferritin–conjugated lectins and dialysed iron. Shimizu S, et al. **Exp Cell Res** 97(2):322–8, Feb 76

An evaluation of apomorphine action on doapminergic receptors. Dandiya PC, et al. **Experientia** 31(12):1441–3, 15 Dec 75

Histamine receptors in the cat mesenteric circulation. Ercan ZS, et al. **Experientia** 32(1):89–90, 15 Jan 76

On the parabolic relationship between biological activity and hydrophobicity of drugs: transport or protein binding? Franke R. **Experientia** suppl 23:25–30, 1976

Localization of wheat germ agglutinin receptor sites on yeast cells by scanning electron microscopy. Horisberger M, et al. **Experientia** 32(8):998–1000, 15 Aug 76

The colicin I receptor of Escherichia coli K–12 has a role in enterochelin–mediated iron transport. Hancock RE, et al. **FEBS Lett** 65(2):208–10, 1 Jun 76

Identification of the alpha–stereospecific glucosensor in the pancreatic B–cell. Malaisse WJ, et al. **FEBS Lett** 65(2):131–4, 1 Jun 76

Ligand partitioning into membranes: its significance in determining Km and Ks values for cytochrome P–450 and other membrane bound receptors and enzymes. Parry G, et al. **FEBS Lett** 67(2):123–9, 15 Aug 76

Purification of the carboxy–atractylate binding protein from mitochondria. Riccio P, et al. **FEBS Lett** 56(1):133–8, 1 Aug 75

Solubilization of the carboxy–atractylate binding protein from mitochondria. Riccio P, et al. **FEBS Lett** 56(1):192–32, 1 Aug 75

Erythromycin binding studies on two different classes of antibiotic resistant mutant in Paramecium. Spurlock G, et al. **FEBS Lett** 56(1):77–80, 1 Aug 75

Location of the T4 gene 32 protein binding site on polyoma virus DNA. Yaniv M, et al. **FEBS Lett** 57(2):126–9, 15 Sep 75

Competitive antagonists of the action of diphtheria toxin in HeLa cells. Zanen J, et al. **FEBS Lett** 66(2):261–3, 15 Jul 76

The pharmacology of burimamide and metiamide, two histamine H2–receptor antagonists. Brimblecombe RW, et al. **Fed Proc** 35(8):1931–4, Jun 76

Some chemical aspects of histamine H2–receptor antagonists. Ganellin CR, et al. **Fed Proc** 35(8):1924–30, Jun 76

Cardiac histamine receptors. Levi R, et al. **Fed Proc** 35(8):1942–7, Jun 76 (41 ref.)

Identification and blockade of vascular H2 receptors. Powell JR, et al. **Fed Proc** 35(8):1935–41, Jun 76

A dopamine receptor in esophageal smooth muscle of the opossum. de Carle DJ, et al. **Gastroenterology** 70(2):216–9, Feb 76

Histamine receptors in esophageal smooth muscle of the opossum. de Carle DJ, et al. **Gastroenterology** 70(6):1071–5, Jun 76

The effect of cimetidine, a new histamine H2–receptor antagonist, on meal–stimulated acid secretion, serum gastrin, and gastric emptying in patients with duodenal ulcer. Richardson CT, et al. **Gastroenterology** 71(1):19–23, Jul 76

Reversible attachment and localization of the acid–stable seminal plasma acrosin–trypsin inhibitors on boar spermatozoa as revealed by the indirect immunofluorescent staining technique. Schill WB, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1473–6, Sep 75

Characteristics of photorelaxation in vascular smooth muscle: evidence supporting the hypothesis of drug–receptor equilibrium disturbance. Tallarida RJ, et al. **IEEE Trans Biomed Eng** 22(6):493–501, Nov 75

Trans–synaptic induction of tyrosine hydroxylase in superior cervical ganglia: participation of postsynaptic and steroid receptors. pp. 175–82. Hanbauer I, et al. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.** (18 ref.)

Role for post–synaptic dopamine receptors in the regulation of the kinetic state of striatal tyrosine hydroxylase. pp. 45–52. Zivkovic B, et al. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.**

Role of monoamines in the control of gonadotrophin secretion. pp. 124–40. Fuxe K, et al. **In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.**

Supersensitivity of dopamine receptors. pp. 27–34. Arbuthnott GW. **In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975.** (50 ref.)

Biochemical pharmacology of dopamine receptors in mammalian central nervous system. pp. 35–45. Iversen LL, et al. **In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975.** (59 ref.)

Effects of blocking nigrostriatal gamma–aminobutyric acid receptors. pp. 93–102. Pycock CJ. **In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975.** (30 ref.)

The role of IG receptors in antigen–induced activation of B lymphocytes. pp. 167–75. Coutinho A, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.2.**

Vasoactive hormones and the human erythrocyte. pp. 467–90. Rasmussen H, et al. **In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.**

The relationship between agonist–stimulated phosphatidylinositol metabolism and the mechanisms of receptor systems. pp. 89–105. Michell RH, et al. **In: Case RM, Goebell H, ed. Stimulus–secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.**

The tumor cell periphery: glycoprotein lectin receptors. pp. 337–60. Walborg EF Jr, et al. **In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.**

Amine receptors in brain vessels. pp. 197–206. Edvinsson L, et al. **In: Cervós–Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.**

The evolution of receptors and recognition in the immune system. pp. 33–58. Burnet FM. **In: Cuatrecasas P, Greaves MF, ed. Receptors and recognition. Series A. London, Chapman & Hall, 1976. W1 RE107m v.1 1976.** (43 ref.)

Cell surface receptors. A biological perspective. pp. 1–32. Greaves MF. **In: Cuatrecasas P, Greaves MF, ed. Receptors and recognition. Series A. London, Chapman & Hall, 1976. W1 RE107m v.1 1976.** (83 ref.)

Membrane associated events in lymphocyte activation. pp. 59–117. Resch K. **In: Cuatrecasas P, Greaves MF, ed. Receptors and recognition. Series A. London, Chapman & Hall, 1976. W1 RE107m v.1 1976.** (319 ref.)

Steroid receptors and hormone receptivity: new approaches in pharmacology therapeutics. pp. 296–306. Baulieu EE. **In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.** (45 ref.)

Role of the LDL receptor in the regulation of cholesterol and lipoprotein metabolism. pp. 82–9. Brown MS, et al. **In: Greten H, ed. Lipoprotein metabolism. Berlin, Springer, 1976. QU 85 S989L 1975.** (33 ref.)

alpha–Glucosidases as sugar receptor proteins in flies. pp. 207–33. Hansen K. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.** (58 ref.)

Purification of serotonin–and LSD–binding proteins from synaptic membranes. pp. 593–5. Mehl E, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

NMR studies on the precise localization of drugs in the membrane. Characterization of the reaction site. pp. 303–14. Cerbón J. **In: Packer L, Gómez–Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.**

Post–receptor responses to hormonal stimuli. pp. 355–72. Cohen P. **In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976.** (62 ref.)

The role of folate binding proteins in folate metabolism. pp. 165–78. Waxman S.

In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

A morphological approach to surface receptors in islet and liver cells. pp. 113–29. Orci L, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

Influence of social stress on brain catecholamine mechanisms. pp. 17–28. Modigh K.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Dopamine receptor supersensitivity in rat retina after light deprivation. pp. 225–34. Trabucchi M, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Voltage-dependent behaviour of drug-operated ion channels. pp. 153–64. Bolton TB.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

The effects of epinephrine and prostaglandins on cAMP formation and binding to its intracellular receptors. Correlations with myometrial activity. pp. 83–100. Harbon S, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Interactions of agonists and antagonists with the muscarinic receptor. pp. 49–69. Hulme EC, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Interaction of agonists and antagonists with their receptors. pp. 15–28. Stephenson RP.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Identification of cholesterol in the receptor site for rickettsiae on sheep erythrocyte membranes. Ramm LE, et al. **Infect Immun** 13(1):120–6, Jan 76

Endotoxin-binding substances from human leukocytes and platelets. Springer GF, et al. **Infect Immun** 12(5):978–86, Nov 75

Fc- and complement-receptor rosette-forming cell ratios in human tonsils and peripheral blood. Siegel I, et al. **Int Arch Allergy Appl Immunol** 50(4):488–96, 1976

Concanavalin A receptors on the surface membrane of lymphocytes from patients with African Burkitt's lymphoma and lymphoma cell lines. Ben-Bassat H, et al. **Int J Cancer** 17(4):448–54, 15 Apr 76

Receptors for chemotaxis in Bacillus subtilis. de Jong MH, et al. **J Bacteriol** 123(3):824–7, Sep 75

Iron transport of Escherichia coli K-12: involvement of the colicin B receptor and of a citrate-inducible protein. Hancock RE, et al. **J Bacteriol** 127(3):1370–5, Sep 76

Role of the receptor for bacteriophage lambda in the functioning of the maltose chemoreceptor of Escherichia coli. Hazelbauer GL. **J Bacteriol** 124(1):119–26, Oct 75

Proceedings: Cellular recognition and molecular immunology. Osawa T. **J Biochem (Tokyo)** 79(4):23P–24P, Apr 76

Use of diazido ethidium bromide as a specific probe for mitochondrial functions. Bastos RN. **J Biol Chem** 250(19):7739–46, 10 Oct 75

Interaction of swine lipoproteins with the low density lipoprotein receptor in human fibroblasts. Bersot TP, et al. **J Biol Chem** 251(8):2395–8, 25 Apr 76

Membrane-bound tubulin in brain and thyroid tissue. Bhattacharyya B, et al. **J Biol Chem** 250(19):7639–46, 10 Oct 75

The formation of functional penicillin-binding proteins. Hamilton TE, et al. **J Biol Chem** 250(16):6578–85, 25 Aug 75

Equilibrium dialysis and cell binding studies on Bandeiraea simplicifolia lectin. Hayes CE, et al. **J Biol Chem** 250(17):6837–40, 10 Sep 75

Calcium-binding protein of bovine intestine. The complete amino acid sequence. Huang WY, et al. **J Biol Chem** 250(19):7647–55, 10 Oct 75

Transport and inhibitory Ca2+ binding sites on the ATPase enzyme isolated from the sarcoplasmic reticulum. Ikemoto N. **J Biol Chem** 250(18):7219–24, 25 Sep 75

Chemical and physical properties of an hepatic membrane protein that specifically binds asialoglycoproteins. Kawasaki T, et al. **J Biol Chem** 251(5):1296–302, 10 Mar 76

Biochemical studies of tast sensation. Binding of L-[3H]alanine to a sedimentable fraction from catfish barbel epithelium. Krueger JM, et al. **J Biol Chem** 251(1):88–97, 10 Jan 76

Stereospecific, high affinity binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin by hepatic cytosol. Evidence that the binding species is receptor for induction of aryl hydrocarbon hydroxylase. Poland A, et al. **J Biol Chem** 251(16):4936–46, 25 Aug 76

Structural requirements for the interaction of 1 alpha, 25-(OH) 2- vitiamin D3 with its chick interestinal receptor system. Procsal DA, et al. **J Biol Chem** 250(21):8382–8, 10 Nov 75

Evidence for specific binding sites for guanine nucleotides in adipocyte and hepatocyte plasma membranes. A difference in fate of GTP and guanosine 5'-(beta, gamma-imino) triphosphate. Salomon Y, et al. **J Biol Chem** 250(18):7245–50, 25 Sep 75

Subcellular and regional distribution of 125I-labeled alpha-bungarotoxin binding in rat brain and its relationship to acetylcholinesterase and choline acetyltransferase. Salvaterra PM, et al. **J Biol Chem** 250(16):6469–75, 25 Aug 75

Kinetics of binding of the toxic lectins abrin and ricin to surface receptors of human cells. Sandvig K, et al. **J Biol Chem** 251(13):3977–84, 10 Jul 76

Subcellular localization of nerve growth factor receptors. Thirteen-day chick embryo brain. Szutowicz A, et al. **J Biol Chem** 251(5):1516–23, 10 Mar 76

Subcellular localization of nerve growth factor receptors. Developmental correlations in chick embryo brain. Szutowicz A, et al. **J Biol Chem** 251(5):1524–8, 10 Mar 76

Changes in number, mobility, and topographical distribution of lectin receptors during maturation of chick erythroid cells. Chan LN, et al. **J Cell Biol** 69(3):647–58, Jun 76

Quantitation of junctional and extrajunctional acetylcholine receptors by electron microscope autoradiography after 125I-alpha-bungarotoxin binding at mouse neuromuscular junctions. Fertuck HC, et al. **J Cell Biol** 69(1):144–58, Apr 76

Properties of the beta-nerve growth factor receptor in development. Herrup K, et al. **J Cell Biol** 77(1):118–25, Oct 75

Spontaneous and lectin-induced redistribution of cell surface receptors on embryonic chick neural retina cells. McDonough J, et al. **J Cell Sci** 19(2):357–68, Nov 75

Modulation of cellular-immune responses in vivo and in vitro by histamine receptor-bearing lymphocytes. Rocklin RE. **J Clin Invest** 57(4):1051–8, Apr 76

The binding of cyclic AMP to renal brush border membranes. Insel P, et al. **J Cyclic Nucleotide Res** 1(2):107–22, 1975

Studies on the mechanism of phagocytosis. II. The interaction of macrophages with anti-immunoglobulin IgG-coated bone marrow-derived lymphocytes. Griffin FM Jr, et al. **J Exp Med** 144(3):788–809, 1 Sep 76

Binding, internalization, and hydrolysis of low density lipoprotein in long-term lymphoid cell lines from a normal subject and a patient with homozygous familial hypercholesterolemia. Ho YK, et al. **J Exp Med** 144(2):444–55, 1 Aug 76

Inhibition of the Fc receptor of human lymphoid cells by antisera-recognizing determinants of the hla system. Solheim BG, et al. **J Exp Med** 143(6):1568–74, 1 Jun 76

The Fc receptor on thymus-derived lymphocytes. III. Mixed lymphocyte reactivity and cell-mediated lympholytic activity of Fc- and Fc+ T lymphocytes. Stout RD, et al. **J Exp Med** 144(1):54–68, 1 Jul 76

Density and distribution of tetrodotoxin receptors in normal and detubulated frog sartorius muscle. Jaimovich E, et al. **J Gen Physiol** 67(4):399–416, Apr 76

Binding of tetrodotoxin to squid nerve fibers. Two kinds of receptors? Sevcik C. **J Gen Physiol** 68(1):95–103, Jul 76

Distribution of concanavalin A binding sites on the surface of dissociated rat submandibular gland acinar cells. Amakawa T, et al. **J Histochem Cytochem** 23(8):607–17, Aug 75

Loss of carrier-determined tolerance in vitro with loss of receptor blockade. Aldo-Benson M, et al. **J Immunol** 116(1):223–6, Jan 76

A subpopulation of T cells bearing Fc receptors. Basten A, et al. **J Immunol** 115(4):1159–65, Oct 75

B cells in the appendix and other lymphoid organs of the rabbit: complement receptor lymphocytes. Calkins CE, et al. **J Immunol** 115(5):1339–45, Nov 75

The effect of neonatal rat graft-vs-host disease (GVHD) on Fc receptor lymphocytes. Clancy J Jr, et al. **J Immunol** 116(1):210–7, Jan 76

Characterization of the target cell receptor for IgE. II. Polyacrylamide gel analysis of the surface IgE receptor from normal rat mast cells and from rat basophilic leukemia cells. Conrad DH, et al. **J Immunol** 116(2):319–26, Feb 76

Influence of H-2 on the ontogenesis of a spleen cell population which lacks C3 receptors and Thy-1 antigen. Ferreira A, et al. **J Immunol** 117(3):771–3, Sep 76

The immune adherence receptor: dissociation between the expression of erythrocyte and mononuclear cell C3b receptors. Rothman IK, et al. **J Immunol** 115(5):1312–5, Nov 75

Receptors for IgG and complement in human spleen lymphoid cells. Preferential binding of particulate immune complexes through complement receptors. Scornik JC, et al. **J Immunol** 115(5):1223–6, Nov 75

Cellular receptors for lymphotoxin: correlation of binding and cytotoxicity in sensitive and resistant target cells. Tsoukas CD, et al. **J Immunol** 116(1):184–7, Jan 76

A modified method for tissue localization of cells bearing a complement receptor. Meijer CJ, et al. **J Immunol Methods** 9(1):59–65, Nov 75

Conformationally restricted analogs of histamine H1 receptor antagonists: trans and cis-1-benzyl-3-dimethylamino-6-phenylpiperidine. Ahmed AE, et al. **J Med Chem** 19(1):117–22, Jan 76

Potential histamine H2-receptor antagonists. 2. N-alpha-Guanylhistamine. Durant GJ, et al. **J Med Chem** 18(8):830–3, Aug 75

Chemical differentiation of histamine H1- and H2-receptor agonists. Durant GJ, et al. **J Med Chem** 18(9):905–9, Sep 75

Potential histamine H2-receptor antagonists. 3. Methylhistamines. Durant GJ, et al. **J Med Chem** 19(7):923–8, Jul 76

A conformational study of beta-phenethanolamine receptor sites. 8. Pharmacological study of 3-isopropylamino-2-phenyl-trans-2-decalols. Hava M, et al. **J Med Chem** 19(1):52–4, Jan 76

Stereospecific interaction of the quaternized opiate, N-methyllevorphanol, with opiate receptors. Opheim KE, et al. **J Med Chem** 19(6):857–8, Jun 76

Stereochemical studies on medicinal agents. 19. X-ray crystal structures of two (+/-)-allylprodine diastereomers. The role of the allyl group in conferring high stereoselectivity and potency at analgetic receptors. Portoghese PS, et al. **J Med Chem** 19(1):55–7, Jan 76

The effect of anti-L on ouabain binding to sheep erythrocytes. Joiner CH, et al. **J Membr Biol** 21(1-2):99–112, 23 Apr 75

Preliminary crystallographic data for a calcium binding protein from bovine intestine. Moffat K, et al. **J Mol Biol** 97(4):661–4, 5 Oct 75

The chloramphenicol receptor site in Escherichia coli in vivo affinity labeling by monoidoamphenicol. Pongs O, et al. **J Mol Biol** 101(2):171–84, 25 Feb 76

Membrane marker movement on sympathetic axons in tissue culture. Koda LY, et al. **J Neurobiol** 7(2):157–72, Mar 76

The binding of triethyltin to rat brain myelin. Lock EA, et al. **J Neurochem** 25(6):871–6, Dec 75

The cell-free synthesis of alkaloid-binding proteins in immature rat brain. Raeburn S, et al. **J Neurochem** 27(1):151–60, Jul 76

Biochemical and immunological characterization of alkaloid-binding proteins from immature rat brain. Twomey SL, et al. **J Neurochem** 27(1):161–4, Jul 76

Histamine H1- and H2-receptors in the central thermoregulatory pathways of the rat. Green MD, et al. **J Neurosci Res** 1(5-6):353–9, 1975

Behavioral effects and binding affinities of two stereoisomeric psychotomimetic glycolates. Lowy K, et al. **J Neurosci Res** 2(2):157–65, 1976

A modified structure for the acetylcholinesterase receptor. Beckett AH, et al. **J Pharm Pharmacol** 27(11):855–8, Nov 75

Receptors controlling sodium ion translocation in biological membranes. Cuthbert AW. **J Pharm Pharmacol** 28(4 SUPPL):838–8, Apr 76

Characterization of the angiotensin receptor in guinea-pig aorta. Le Morvan P, et al. **J Pharmacol Exp Ther** 195(1):167–75, Oct 75

Proceedings: H1 and H2 histamine receptors in the pulmonary circulation. Barer GR, et al. **J Physiol (Lond)** 259(1):41P–42P, Jul 76

Two types of extrajunctional L-glutamate receptors in locust muscle fibres. Cull-Candy SG. **J Physiol (Lond)** 255(2):449–64, Feb 76

Membrane receptors on rabbit and human pulmonary alveolar macrophages. Daughaday CC, et al. **J Reticuloendothel Soc** 19(1):37–45, Jan 76

Cell surface receptors and their dynamics on toxin-treated malignant cells. Nicolson GL, et al. **J Supramol Struct** 4(1):15–26, 1976

Binding to specific receptors on oocyte plasma membranes by serum phosvitin-lipovitellin. Yusko SC, et al. **J Supramol Struct** 4(1):89–97, 1976

A model for drug-receptor remote recognition applied to certain hydrogen bonding systems. Hall LH, et al. **J Theor Biol** 58(1):177–95, 7 May 76

Conformational adaptability at GABA-sensitive inhibitory synapses. Steward EG, et al. **J Theor Biol** 52(2):493–8, Aug 75

Kinetic models of the drug—receptor interaction. Wilbur R, et al. **J Theor Biol** 52(2):335–41, Aug 75

Steroid receptors and hormone receptivity. New approaches in pharmacology and therapeutics. Baulieu EE. **JAMA** 234(4):404–9, 27 Oct 75

Proceedings: Neuraminidase-sensitive gangliosides: possible tissue receptors for thermostable direct hemolysin of Vibrio parahaemolyticus. Takeda Y, et al. **Jpn J Med Sci Biol** 28(5-6):337–40, Oct-Dec 75

Glucoreceptors, insulin release, and diabetes. **Lancet** 2(7936):646–7, 4 Oct 75

Vulnerability of cell-surface receptors to autoimmune reactions. Carnegie PR, et al. **Lancet** 2(7937):684–7, 11 Oct 75

Letter: Do alpha-stereospecific glucoreceptors exist? Malaisse WJ, et al. **Lancet** 1(7958):544, 6 Mar 76

Letter: Is diabetes mellitus a disorder of the glucoreceptor? Niki A, et al. **Lancet** 2(7936):658, 4 Oct 75

Opiate receptors in mice: genetic differences. Baran A, et al. **Life Sci** 17(4):633–40, 15 Aug 75

Histamine H2 receptor: involvement in gastric ulceration. Brown PA, et al. **Life Sci** 18(3):399–43, 1 Feb 76

Opiate receptor affinities and behavioral effects of enkephalin: structure-activity relationship of ten synthetic peptide analogues. Chang JK, et al. **Life Sci** 18(12):1473–81, 15 Jun 76

A model for opiate-receptor interactions: mechanism of opiate-cerebroside sulfate interaction. Cho TM, et al. **Life Sci** 18(2):231–44, 15 Jan 76

H3-cerebroside sulfate re-distribution induced by cation, opiate or phosphatidyl serine. Cho TM, et al. **Life Sci** 19(1):117–23, 1 Jul 76

Opiate receptor: irreversible inactivation by an alkylating local anesthetic. Craviso GL, et al. **Life Sci** 18(8):821–7, 15 Apr 76

Dopamine receptor binding: differentiation of agonist and antagonist states with 3H-dopamine and 3H-haloperidol.

Creese I, et al. **Life Sci** 17(6):933–1001, 15 Sep 75
The dopamine receptor: differential binding of d-LSD and related agents to agonist and antagonist states. Creese I, et al. **Life Sci** 17(11):1715–9, 1 Dec 75
The nature of receptors regulating the formation of cyclic AMP in brain tissue. Daly JW. **Life Sci** 18(12):1349–58, 15 Jun 76 (80 ref.)
The interaction of porphyrin precursors with GABA receptors in the isolated frog spinal cord. Nicoll RA. **Life Sci** 19(4):521–5, 15 Aug 76
Identification of opiate receptor binding in intact animals. Pert CB, et al. **Life Sci** 16(10):1623–34, 15 May 75
Cyclic-AMP receptors in the human spermatozoa membrane. Rosado A, et al. **Life Sci** 17(11):1707–13, 1 Dec 75
Topography of synaptosomal high affinity uptake systems. Wang YJ, et al. **Life Sci** 17(5):725–33, 1 Sep 75
A radioautographic method for cell affinity labeling with estrogens and catecholamines. Uriel J. **Methods Cell Biol** 10:365–74, 1975
Characterization of and endogenous morphine-like factor(enkephalin) in mammalian brain. Pasternak GW, et al. **Mol Pharmacol** 12(3):504–13, May 76
The extent of hydrophobic binding area studied by fatty acid binding to albumin. Rodrigues de Miranda JF, et al. **Mol Pharmacol** 12(3):454–62, May 76
Familial hypercholesterolemia: A genetic defect in the low-density lipoprotein receptor. Brown MS, et al. **N Engl J Med** 294(25):1386–90, 17 Jun 76
Huntington's chorea. Changes in neurotransmitter receptors in the brain. Enna SJ, et al. **N Engl J Med** 294(24):1305–9, 10 Jun 76
Glutamate and quisqualate noise in voltage-clamped locust muscle fibres. Anderson CR, et al. **Nature** 261(5556):151–3, 13 May 76
4a(W4) and 4b(W6) human histocompatibility antigens are specifically associated with complement receptors. Arnaiz-Villena A, et al. **Nature** 258(5537):732–4, 25 Dec 75
Stimulation of cerebral histamine H2 receptors by clonidine. Audigier Y, et al. **Nature** 262(5566):307–8, 22 Jul 76
C fragment of lipotropin has a high affinity for brain opiate receptors. Birdsall NJ, et al. **Nature** 260(5554):793–5, 29 Apr 76
Effects of microiontophoretically applied methionine-enkephalin on single neurones in rat brain. Bradley PB, et al. **Nature** 261(5559):425–6, 3 Jun 76
Enkephalin regulates the levels of cyclic nucleotides in neuroblastoma x glioma hybrid cells. Brandt M, et al. **Nature** 262(5566):311–3, 22 Jul 76
Dopamine-like renal and mesenteric vasodilation caused by apomorphine 6-propylnorapomorphine and 2-amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene. Crumly HJ Jr, et al. **Nature** 259(5544):584–7, 19 Feb 76
Effect of denervation and local damage on extrajunctional L-glutamate receptors in locust muscle. Cull-Candy SG. **Nature** 258(5535):530–1, 11 Dec 75
2-Amino-4-phosphonobutyric acid as a glutamate antagonist on locust muscle. Cull-Candy SG, et al. **Nature** 262(5567):408–9, 29 Jul 76
Effects of enkephalin and morphine on Renshaw cells in feline spinal cord. Davies J, et al. **Nature** 262(5569):603–4, 12 Aug 76
Differentiation of L-aspartate and L-glutamate high-affinity binding sites in a protein fraction isolated from rat cerebral cortex. De Robertis E, et al. **Nature** 260(5549):347–9, 25 Mar 76
Stereospecificity of interaction of neuroleptic drugs with neurotransmitters and correlation with clinical potency. Enna SJ, et al. **Nature** 263(5575):338–41, 23 Sep 76
N-demethylation of morphine in rat brain is localised in sites with high opiate receptor content. Fishman J, et al. **Nature** 261(5555):64–5, 6 May 76
Identification of two related pentapeptides from the brain with potent opiate agonist activity. Hughes J, et al. **Nature** 258(5536):577–80, 18 Dec 75
Mosaicism in organisation concanavalin A receptors on surface membrane of mouse egg. Johnson MH, et al. **Nature** 257(5524):321–2, 25 Sep 75
Possible involvement of central histamine H2-receptors in the hypotensive effect of clonidine. Karppanen H, et al. **Nature** 259(5544):587–8, 19 Feb 76
Inhibition and reversal of wheat germ agglutinin-induced caps by concanavalin A. Lustig S, et al. **Nature** 260(5547):148–50, 11 Mar 76
Enkephalin and opiate narcotics increase cyclic GMP accumulation in slices of rat neostriatum. Minneman KP, et al. **Nature** 262(5566):313–4, 22 Jul 76
Quantitative evaluation of concanavalin A receptor site distributions on the surfaces of specific populations of embryonic cells. Neri A, et al. **Nature** 258(5533):342–4, 27 Nov 75
Letter: LSD and dopamine receptors. Pycock C, et al. **Nature** 257(5521):69–70, 4 Sep 75
Antibodies to a cell-surface component coded by human chromosome 21 inhibit action of interferon. Revel M, et al. **Nature** 260(5547):139–41, 11 Mar 76
Ligand-induced redistribution of lymphocyte membrane ganglioside GM1. Révész T, et al. **Nature** 257(5522):103–6, 11 Sep 75
Antipsychotic drug doses and neuroleptic/dopamine receptors. Seeman P, et al. **Nature** 261(5562):717–9, 24 Jun 76
Inhibitory effect of alpha-(1 leads to 6)-heterogalactan on oocyte maturation of starfish induced by 1-methyladenine. Shida H, et al. **Nature** 263(5572):77–9, 2 Sep 76
Organisation of receptors for neurotransmitters on Aplysia neurones. Swann JW, et al. **Nature** 258(5537):751–4, 25 Dec 75
Histamine receptors in the vasculature of the rabbit ear. Ercan ZS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(1):23–9, 3 Nov 75
Characterization of pharmacological receptors. Titus EO. **Naunyn Schmiedebergs Arch Pharmacol** 288(2-3):269–81, 1975
Studies on the site(s) of blockade by actinomycin-D of estrogen-induced LH release. Kalra SP. **Neuroendocrinology** 18(4):333–44, 1975
Possible mechanisms of action of lithium from the perspective of 'receptor'-Li+ interaction. Eigen M. **Neurosci Res Program Bull** 14(2):142–4, Apr 76
Design of synthetic receptor and carrier molecules for the Li+ cation. Lehn JM. **Neurosci Res Program Bull** 14(2):133–7, Apr 76
The opiate receptor. Snyder SH. **Neurosci Res Program Bull** 13 Suppl:1–27, Aug 75
Kinetics of 'receptor'-Li+ interaction. Winkler R. **Neurosci Res Program Bull** 14(2):139–42, Apr 76
Molecule—receptor specificity. Richards WG, et al. **Philos Trans R Soc Lond [Biol]** 272(915):75–85, 6 Nov 75
Localization of low density lipoprotein receptors on plasma membrane of normal human fibroblasts and their absence in cells from a familial hypercholesterolemia homozygote. Anderson RG, et al. **Proc Natl Acad Sci USA** 73(7):2434–8, Jul 76
Colchicine permeation is required for inhibition of concanavalin A capping in Chinese hamster ovary cells. Aubin JE, et al. **Proc Natl Acad Sci USA** 72(11):4516–20, Nov 75
Cytoplasmic and nuclear binding components for 1alpha25-dihydroxyvitamin D3 in chick parathyroid glands. Brumbaugh PF, et al. **Proc Natl Acad Sci USA** 72(12):4871–5, Dec 75
Dopamine receptor binding in the corpus striatum of mammalian brain. Burt DR, et al. **Proc Natl Acad Sci USA** 72(11):4655–9, Nov 75
Opioid activity of a peptide, beta-lipotropin-(61–91), derived from beta-lipotropin. Cox BM, et al. **Proc Natl Acad Sci USA** 73(6):1821–3, Jun 76
Mobility of cholera toxin receptors on rat lymphocyte membranes. Craig SW, et al. **Proc Natl Acad Sci USA** 72(10):3384–8, Oct 75
Guanosine 3':5'-cyclic monophosphate binding proteins in rat tissues. Lincoln TM, et al. **Proc Natl Acad Sci USA** 73(8):2559–63, Aug 76
A hepatic receptor of avian origin capable of binding specifically modified glycoproteins. Lunney J, et al. **Proc Natl Acad Sci USA** 73(2):341–3, Feb 76
Receptor-mediated shifts in cGMP and cAMP levels in neuroblastoma cells. Matsuzawa H, et al. **Proc Natl Acad Sci USA** 72(9):3472–6, Sep 75
Isolation of a novel endogenous opiate analgesic from human blood. Pert CB, et al. **Proc Natl Acad Sci USA** 73(7):2226–30, Jul 76
Cell surface species-specific high affinity receptors for discoidin: developmental regulation in Dictyostelium discoideum. Reitherman RW, et al. **Proc Natl Acad Sci USA** 72(9):3541–5, Sep 75
Lateral transport on cell membranes: mobility of concanavalin A receptors on myoblasts. Schlessinger J, et al. **Proc Natl Acad Sci USA** 73(7):2409–13, Jul 76
Brain receptors for antipsychotic drugs and dopamine: direct binding assays. Seeman P, et al. **Proc Natl Acad Sci USA** 72(11):4376–80, Nov 75
Morphine-like peptides in mammalian brain: isolation, structure elucidation, and interactions with the opiate receptor. Simantov R, et al. **Proc Natl Acad Sci USA** 73(7):2515–9, Jul 76
Distinct penicillin binding proteins involved in the division, elongation, and shape of Escherichia coli K12. Spratt BG. **Proc Natl Acad Sci USA** 72(8):2999–3003, Aug 75
Receptor interactions in a signalling system: competition between ribose receptor and galactose receptor in the chemotaxis response. Strange PG, et al. **Proc Natl Acad Sci USA** 73(3):762–6, Mar 76
Affinity isolation of cultured tumor cells by means of drugs and hormones covalently bound to glass and Sepharose beads. Venter BR, et al. **Proc Natl Acad Sci USA** 73(6):2013–7, Jun 76
Action of histamine and its receptor blockers on uterine circulation in sheep. Woods JR Jr, et al. **Proc Soc Exp Biol Med** 151(4):811–6, Apr 76
Techniques for the study of the biochemical basis of drug action. Lefkowitz RJ, et al. **Prog Cardiovasc Dis** 18(4):309–21, Jan–Feb 76 (84 ref.)
New directions in human biochemical genetics: understanding the manifestations of receptor deficiency states. Brown MS, et al. **Prog Med Genet** 1:103–19, 1976
Criteria for and pitfalls in the identification of receptors. Cuatrecasas P. **Psychopharmacol Bull** 11(4):15, Oct 75
The search for the dopamine receptor: tribulations. Rotrosen J, et al. **Psychopharmacol Commun** 1(2):229–37, 1975
Excitation-mediating and inhibition-mediating dopamine-receptors: a new concept towards a better understanding of electrophysiological, biochemical, pharmacological, functional and clinical data. Cools AR, et al. **Psychopharmacologia** 45(3):243–54, 2 Feb 76
The transport enzyme: pharmacologic receptor for cardiac glycosides. Allen JC, et al. **Recent Adv Stud Cardiac Struct Metab** 4:131–7, 1974
Cardiac glycoside receptor in potassium depletion. Erdmann E, et al. **Recent Adv Stud Cardiac Struct Metab** 5:351–8, 1975
The cardiac glycoside receptor: its properties and its correlation to nucleotide binding sites, phosphointermediate, and (Na++K+)-ATPase activity. Erdmann E, et al. **Recent Adv Stud Cardiac Struct Metab** 9:329–35, 1976
The interaction of nonmitogenic and mitogenic lectins with T lymphocytes: association of cellular receptor sites. Hellström U, et al. **Scand J Immunol** 5(1–2):45–54, 1976
Dopamine receptor binding predicts clinical and pharmacological potencies of antischizophrenic drugs. Creese I, et al. **Science** 192(4238):481–3, 30 Apr 76
(3H)morphine localization in myenteric plexus. Diab IM, et al. **Science** 193(4254):689–91, 20 Aug 76
Adenosine 3',5'-monophosphate content in rat caudate nucleus: demonstration of dopaminergic and adrenergic receptors. Forn J, et al. **Science** 186(4169):1118–20, 20 Dec 74
Opioid peptides endorphins in pituitary and brain. Goldstein A. **Science** 193(4258):1081–6, 17 Sep 76
Anomeric specificity of glucose-stimulated insulin release: evidence for a glucoreceptor? Grodsky GM, et al. **Science** 186(4163):536–8, 8 Nov 74
Dopamine receptors in the brain. Iversen LL. **Science** 188(4193):1084–9, 13 Jun 75 (47 ref.)
Reversal of acetylcholine potentials in eel electroplaque. Lassignal NL, et al. **Science** 191(4226):464–6, 6 Feb 76
Solubilization of a stereospecific opiate-macromolecular complex from rat brain. Simon EJ, et al. **Science** 190(4212):389–90, 24 Oct 75
Aspartate: distinct receptors on Aplysia neurons. Yarowsky PJ, et al. **Science** 192(4241):807–9, 21 May 76
Mg2+, Ca2+-dependent adenosine triphosphatase as receptor for divalent cations in bacterial sensing. Zukin RS, et al. **Science** 193(4251):405–8, 30 Jul 76
Solubilization and partial purification of a rat intestinal 1,25-dihydroxyvitamin D3 binding protein. Frolik CA, et al. **Steroids** 26(5):683–5, Nov 75
Proceedings: Receptors for 5-hydroxytryptamine on rat blood platelets. Drummond AH, et al. **Thromb Diath Haemorrh** 34(2):594, 15 Nov 75
Proceedings: The role of membrane receptors in pathways of human platelet activation by endotoxin and other microbial products. Hawiger A, et al. **Thromb Diath Haemorrh** 34(2):594, 15 Nov 75
Platelet glycocalicin: a single receptor for platelet aggregation induced by thrombin or ristocetin. Okumura T, et al. **Thromb Res** 8(5):701–6, May 76
Identification of tissue-specific antigens and concanavalin A receptors on rat epidermal cells using a radio-immunoprecipitation method. Lloyd KO, et al. **Tissue Antigens** 6(4):167–74, Oct 75
Role of the C3 receptor in antibody-dependent cytotoxicity. Gelfand EW. **Transplantation** 21(1):73–5, Jan 76
Discussion: Nigrostriatal projections and the 'dopamine report'. Adinolfi AM. **UCLA Forum Med Sci** (18):265–71, 1975
Implication of rifampicin-quinone in the irreversible binding of rifampicin to macromolecules. Bolt HM, et al. **Xenobiotica** 6(1):21–32, Jan 76
[Allosteric regulation and models of receptors] Hanč O. **Cesk Farm** 24(10):437–40, Dec 75 **(Cze)**
[Complement receptor on human lymphocytes detected by rosette formation. Depletion of rosette forming cells (author's transl)] Gilbert D, et al. **Ann Immunol (Paris)** 125(6):855–63, Nov 74 (Eng. Abstr.) **(Fre)**
[Intracellular localization of concanavalin A receptors in rat hepatocytes] Feldmann G, et al. **C R Acad Sci [D] (Paris)** 282(2):191–3, 12 Jan 76 (Eng. Abstr.) **(Fre)**
[Molecular weight of a membrane receptor of UDP-glucose] Berthillier G, et al. **FEBS Lett** 56(2):256–8, 15 Aug 75 (Eng. Abstr.) **(Fre)**
Solubilization, purification and identification of lectins receptors sites at the surface of normal and cancerous cells. pp. 881–92. Bourrillon R, et al. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.** **(Fre)**
[Dynamic of the glycans of lymphocyte membrane studied with the concanavalin A (author's transl)] pp. 853–8. Karsenti E, et al. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.** (Eng. Abstr.) **(Fre)**
[Drug receptor interactions exemplified on cardiac glycoside receptors of the erythrocyte membrane] Erdmann E. **Blut** 32(2):61–70, Feb 76 **(Ger)**
[Isolation of an amatoxin binding protein (ABP) different from RNA-polymerase B and C ((author's transl))] Brodner OG, et al. **Hoppe Seylers Z Physiol Chem** 357(1):89–93, Jan 76 (Eng. Abstr.) **(Ger)**
[Quantum chemical experiments on drug receptor complexes] Höltje HD. **Pharm Unserer Zeit** 4(4):108–17, Jul 75 **(Ger)**
[Affinity of g-strophantin for the cardiac glycoside receptor of human myocardial cell membranes] Erdmann E. **Verh Dtsch Ges Inn Med** 81:820–3, 1975 **(Ger)**
[Differences of antigenicity and histaminereceptors between

myocardium and smooth muscles] Katus H, et al. **Verh Dtsch Ges Kreislaufforsch** 41:275–7, 1975 **(Ger)**

[Selective isolation of a CRP (cyclic AMP receptor protein)–defective mutant by growth suppression by cyclic AMP] Inouchi S, et al. **Jpn J Bacteriol** 30(1):136, Jan 75 **(Jpn)**

[Presence and localization of glucose-binding proteins in the tongue] Ostretsova IB, et al. **Dokl Akad Nauk SSSR** 223(6):1484–7, 21 Aug 75 **(Rus)**

[Binding centers for bitter and sweet agents in the tongue] Safarian EKh. **Dokl Akad Nauk SSSR** 228(5):1233–6, 1976 **(Rus)**

[Dopamine receptors of the diencephalon associated with the endocrine function of the hypophyseal–testicular system] Naumenko EV, et al. **Probl Endokrinol (Mosk)** 21(6):53–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Some peculiarities of the environment surrounding mechano- and electroreceptors of the acoustico-lateral system in the ray Raja clavata] Krasnikova TL. **Zh Evol Biokhim Fiziol** 11(4):365–70, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Serotoninic receptors] Hong E. **Bol Estud Med Biol** Suppl 1:319–25, 1974 **(Spa)**

[Experimental studies on seborheric alopecia. III. Localization of testosterone receptors in human hairy follicles] Bassas E. **Med Cutan Iber Lat Am** 3(1):77–9, 1975 (Eng. Abstr.) **(Spa)**

[Identification and characterization of a 3rd population of human lymphocytes with receptors for IgG (Fc-receptors)] Froland SS, et al. **Medicina (B Aires)** 35(4):355–68, Jul–Aug 75 **(Spa)**

[A pharmacological study on the possible nature of the cholinergic receptor of the frog ventricles] Baysal F, et al. **Turk Hij Deney Biyol Derg** 36(1):45–51, 1976 (Eng. Abstr.) **(Tur)**

DRUG EFFECTS

The role of central glycine receptors in the pharmacologic actions of benzodiazepines. Snyder SH, et al. **Adv Biochem Psychopharmacol** (14):81–91, 1975 (21 ref.)

Proceedings: 3-(4(5)-imidazolyl) propylguanidine (SK&F 91486) – a partial agonist at histamine H2-receptors. Parsons ME, et al. **Agents Actions** 5(5):464, Dec 75

Alterations in the circulatory system of anaesthesized dogs following administration of histamine and histamine H1- and H2-Receptor antagonists in relation to plasma histamine levels. Thermann M, et al. **Agents Actions** 5(5):450–4, Dec 75

Influence of WA-335, a factor which blocks serotonin receptors, on neuroleptic-induced catalepsy. Maj J, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):197–203, 1976

Cardiovascular histamine receptors in the domestic chicken. Chand N, et al. **Arch Int Pharmacodyn Ther** 216(2):197–207, Aug 75

Possible role of histamine receptors in cardiovascular responses to 5-hydroxytryptamine in the chicken. Chand N, et al. **Arch Int Pharmacodyn Ther** 219(1):1–12, Jan 76

Cardiovascular tryptamine receptors in the chicken. Chand N, et al. **Arch Int Pharmacodyn Ther** 219(1):13–28, Jan 76

Opiate drug receptors on excitable cell membranes. Frank GB. **Arch Int Pharmacodyn Ther** 217(1):4–17, Sep 75

Recent developments in opiate research and their implications for psychiatry. Herz A. **Arch Psychiatr Nervenkr** 221(3):183–97, 30 Apr 76

A cAMP receptor from mouse liver cytosol whose binding capacity is enhanced by Mg++-ATP. Doskeland SO, et al. **Biochem Biophys Res Commun** 66(2):606–13, 16 Sep 75

Opiate receptor binding—enhancement by opiate administration in vivo. Pert CB, et al. **Biochem Pharmacol** 25(7):847–53, 1 Apr 76

Influence of sex and sexual hormones in the bradykinin–receptor interaction in the guinea pig ileum. Weinberg J, et al. **Biochem Pharmacol** 25(4):433–7, 15 Feb 76

Delipidation of the phosphatidylcholine exchange protein from beef liver by detergents. Kamp HH, et al. **Biochim Biophys Acta** 398(3):401–14, 19 Sep 75

Action of phospholipases on the phosphatidylcholine exchange protein from beef liver. Kamp HH, et al. **Biochim Biophys Acta** 398(3):415–23, 19 Sep 75

Prostaglandin F2alpha receptors in bovine corpus luteum cell membranes. Effect of enzymes and protein reagents. Rao CV. **Biochim Biophys Acta** 436(1):170–82, 4 Jun 76

Utilization of X-537A to distinguish between intravesicular and membrane-bound calcium ions in sarcoplasmic reticulum. Vale MG, et al. **Biochim Biophys Acta** 413(2):202–12, 1 Dec 75

Vascular dopamine receptors in the canine hindlimb. Bell C, et al. **Br J Pharmacol** 55(2):167–72, Oct 75

Nature of histamine receptors in the emetic chemoreceptor trigger zone. Bhargava KP, et al. **Br J Pharmacol** 57(2):211–3, Jun 76

Histamine H2-receptors in the human peripheral circulation. Chipman P, et al. **Br J Pharmacol** 56(4):494–6, Apr 76

Proceedings: Do anti-psychotic drugs act by dopamine receptor blockade in the nucleus accumbens. Crow TJ, et al. **Br J Pharmacol** 55(2):295P–296P, Oct 75

Benzodiazepines and central glycine receptors. Curtis DR, et al. **Br J Pharmacol** 56(3):307–11, Mar 76

Proceedings: Is metoclopramide a directly acting dopamine receptor antagonist? Donaldson IM, et al. **Br J Pharmacol** 56(3):373P, Mar 76

Atypical tryptamine receptors in sheep pulmonary vein. Eyre P. **Br J Pharmacol** 55(3):329–33, Nov 75

Histamine receptors in peripheral vascular beds in the cat. Flynn SB, et al. **Br J Pharmacol** 55(2):181–8, Oct 75

Gamma-aminobutyric acid receptor on vascular smooth muscle of dog cerebral arteries. Fujiwara M, et al. **Br J Pharmacol** 55(4):561–2, Dec 75

Proceedings: CF 25-397 (9, 10-didehydro-6-methyl-8beta-(2-pyridylthiomethyl) ergoline), a new central dopamine receptor agonist. Jaton AL, et al. **Br J Pharmacol** 56(3):371P, Mar 76

Stimulant properties of bromocriptine on central dopamine receptors in comparison to apomorphine, (+)-amphetamine and L-DOPA. Johnson AM, et al. **Br J Pharmacol** 56(1):59–68, Jan 76

Proceedings: Action of LSD on supersensitive mesolimbic dopamine receptors. Kelly PH. **Br J Pharmacol** 55(2):291P, Oct 75

Proceedings: Induced receptors for noradrenaline and serotonin in guinea-pig vas deferens. Reiffenstein RJ, et al. **Br J Pharmacol** 55(2):302P, Oct 75

Identification of separate receptors for adenosine and adenosine 5'-triphosphate in causing relaxations of the isolated taenia of the guinea-pig caecum. Spedding M, et al. **Br J Pharmacol** 57(2):305–10, Jun 76

The effects of cell isolation techniques on neuronal membrane receptors. Guarnieri M, et al. **Brain Res** 93(2):337–42, 8 Aug 75

Sensitization of effector responses by modification of agonist disposition mechanisms. Kalsner S. **Can J Physiol Pharmacol** 54(03):177–87, Jun 76 (50 ref.)

The interaction of glutamic and aspartic acids with excitatory amino acid receptors in the mammalian central nervous system. McLennan H, et al. **Can J Physiol Pharmacol** 54(1):70–2, Feb 76

Characterization of angiotensin receptors in rabbit isolated atria. Rioux F, et al. **Can J Physiol Pharmacol** 54(03):229–37, Jun 76

The action of kainic acid and quisqualic acid on the glutamate receptors of three identifiable neurones from the brain of the snail, Helix aspersa. Walker RJ. **Comp Biochem Physiol [C]** 55(1):61–7, 1976

The interaction of dopaminergic and serotonergic drugs on plasma prolactin in ovariectomized, estrogen-treated rats. Lawson DM, et al. **Endocrinology** 98(1):42–7, Jan 76

Influence of sodium intake on vascular and adrenal angiotensin II receptors. Williams GH, et al. **Endocrinology** 98(6):1343–50, Jun 76

Dopamine receptors: selective agonists and antagonists of functionally distinct types within the feline brain. Cools AR, et al. **Eur J Pharmacol** 37(2):283–93, Jun 76

A comparison between a melanocyte-stimulating hormone inhibitory factor (MIF-I) and substances known to activate central dopamine receptors. Cox B, et al. **Eur J Pharmacol** 36(1):141–7, Mar 76

Butyrophenone influences on the opiate receptor. Creese I, et al. **Eur J Pharmacol** 36(1):231–5, Mar 76

Brain dopamine receptors and sleep in the rat: effects of stimulation and blockade. Kafi S, et al. **Eur J Pharmacol** 38(2):357–63, Aug 76

5-Hydroxytryptamine as a sensitizer of somatic nociceptors for pain-producing substances. Nakano T, et al. **Eur J Pharmacol** 38(1):23–9, Jul 76

Depression of rat cerebral cortical neurones by H1 and H2 histamine receptor agonists. Sastry BS, et al. **Eur J Pharmacol** 38(2):269–73, Aug 76

Somatostatin and ACTH are peptides with partial antagonist-like selectivity for opiate receptors. Terenius L. **Eur J Pharmacol** 38(1):211–3, Jul 76

The effect of triisopropyl phosphate on the mobility of surface concanavalin A receptors and on the locomotion of polymorphonuclear leucocytes. Woodin AM, et al. **Exp Cell Res** 94(2):292–8, Sep 75

Impulses from biochemistry in the development of new neuroleptics. pp. 40-9. Andén NE. **In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974-75.**

Ganglioside and rabbit erythrocyte membrane receptor for staphylococcal alpha-toxin. Kato I, et al. **Infect Immun** 13(1):289–91, Jan 76

T and CR+ lymphocyte profile in leprosy and the effect of treatment. Sher R, et al. **Infect Immun** 13(1):31–5, Jan 76

Blockade and stimulation of renal, adrenal, and vascular angiotensin II receptors with 1-Sar, 8-Ala angiotensin II in normal man. Hollenberg NK, et al. **J Clin Invest** 57(1):39–46, Jan 76

Chemical treatments of the labellar sugar receptor of the fleshfly. Shimada I. **J Insect Physiol** 21(9):1565–74, Sep 75

Calcium-binding of Synaptosomes isolated from rat brain cortex. II. Inhibitory effects of magnesium ions and some other cations. Kamino K, et al. **J Membr Biol** 21(1-2):113–24, 23 Apr 75

Brain monoamine synthesis and receptor sensitivity after single or repeated administration of thyroxine. Engström G, et al. **J Neural Transm** 37(1):1–10, 1975

Effect of neomycin on phosphoinositide labelling and calcium binding in guinea-pig inner ear tissues in vivo and in vitro. Orsulakova A, et al. **J Neurochem** 26(2):285–90, Feb 76

Benzodiazepines: GABA and glycine receptors on single neurons in the rat medulla. Dray A, et al. **J Pharm Pharmacol** 28(4):314–5, Apr 76

Bromocriptine and dopamine-receptor stimulation. Dray A, et al. **J Pharm Pharmacol** 28(7):586–8, Jul 76

(3,4-Dihydroxy-phenylamino)-2-imidazoline (DPI), a new potent agonist at dopamine receptors mediating neuronal inhibition. Struyker Boudier H, et al. **J Pharm Pharmacol** 27(11):882–3, Nov 75

Localization of dopamine receptors in the rat cerebral cortex. Trabucchi M, et al. **J Pharm Pharmacol** 28(3):244–5, Mar 76

Identification and specific blockade of two receptors for histamine in the cardiovascular system. Powell JR, et al. **J Pharmacol Exp Ther** 196(1):1–14, Jan 76

Editorial: Histamine H2 receptor-antagonists. Vaisrub S. **JAMA** 235(18):2006–7, 3 May 76

Peptide transmitters: a unifying hypothesis for euphoria, respiration, sleep, and the action of lithium. Byck R. **Lancet** 2(7976):72–3, 10 Jul 76

Receptor sensitivity in schizophrenia. Sever PS. **Lancet** 1(7954):312, 7 Feb 76

Enhancement of reserpine-elicited dopaminergic supersensitivity by repeated treatment with apomorphine and alpha-methyl-p-tyrosine. Friedman E, et al. **Life Sci** 17(6):867–73, 15 Sep 75

Narcotic dependence, narcotic action and dopamine receptors. Lal H. **Life Sci** 17(4):483–95, 15 Aug 75 (104 ref.)

Behavioral evidence for supersensitivity after chronic administration of haloperidol, clozapine, and thioridazine. Smith RC, et al. **Life Sci** 19(5):725–31, 1 Sep 76

Sulpiride: a study of the effects on dopamine receptors in rat neostriatum and limbic forebrain. Trabucchi M, et al. **Life Sci** 17(10):1551–6, 15 Nov 75

Binding interactions of lysergic acid diethylamide and related agents with dopamine receptors in the brain. Burt DR, et al. **Mol Pharmacol** 12(4):631–8, Jul 76

Neuroleptic agents of the benzocycloheptapyridoisoquinoline series. A hypothesis on their mode of interaction with the central dopamine receptor. Humber LG, et al. **Mol Pharmacol** 11(6):833–40, Nov 75

The value of a histamine H2-receptor antagonist in the management of patients with the Zollinger-Ellison syndrome. Richardson CT, et al. **N Engl J Med** 294(3):133–5, 15 Jan 76

Letter: H2-receptor antagonists for Z-E syndrome. Shumaker JB. **N Engl J Med** 294(18):1010–11, 29 Apr 76

Rapid and dissociated changes in sensitivities of different dopamine receptors in mouse brain. Costentin J, et al. **Nature** 257(5525):405–7, 2 Oct 75

Concanavalin A blocks desensitisation of glutamate receptors on insect muscle fibres. Mathers DA, et al. **Nature** 259(5542):409–11, 5 Feb 76

Ligand-induced redistribution of lymphocyte membrane ganglioside GM1. Révész T, et al. **Nature** 257(5522):103–6, 11 Sep 75

Effect of bulbocapnine as a peripheral dopamine receptor antagonists in the anesthetized cat. Pendleton RG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(2):171–8, 20 Jun 75

Prolactin, bromocriptine and dopaminergic neurotransmission. Lamberts SW, et al. **Neth J Med** 19(3):113–7, 1976

Esters of apomorphine and N,N-dimethyldopamine as agonists of dopamine receptors in the rat brain in vivo. Baldessarini RJ, et al. **Neuropharmacology** 14(10):725–31, Oct 75

Action of opiates, antipsychotics, amphetamine and apomorphine on dopamine receptors in rat striatum: in vivo changes of 3',5'-cyclic AMP content and acetylcholine turnover rate. Carenzi A, et al. **Neuropharmacology** 14(12):927–39, Dec 75 (54 ref.)

Selective blocking action of LSD on inhibitory dopamine receptors. Sato M, et al. **Neuropharmacology** 14(11):883–6, Nov 75

Fetal and neonatal cardiopulmonary response to histamine. Woods JR Jr, et al. **Obstet Gynecol** 48(2):195–202, AUG 76

Apomorphine self-injection is not affected by alpha-methylparatyrosine treatment: support for dopaminergic reward. Baxter BL, et al. **Pharmacol Biochem Behav** 4(5):611–2, May 76

Cyclic AMP and central noradrenaline receptors: failure to activate diencephalic adrenergic feeding pathways. Herberg LJ, et al. **Pharmacol Biochem Behav** 4(1):107–10, Jan 76

Modification of avoidance behavior in 6-hydroxydopamine-treated rats by stimulation of central noradrenergic and dopaminergic receptors. Lenard LG, et al. **Pharmacol Biochem Behav** 3(5):887–93, Sep–Oct 75

Membrane-microtubule interactions: concanavalin A capping induced redistribution of cytoplasmic microtubules and colchicine binding proteins. Albertini DF, et al. **Proc Natl Acad Sci USA** 72(12):4976–80, Dec 75

Local anesthetics affect transmembrane cytoskeletal control of mobility and distribution of cell surface receptors. Poste G, et al. **Proc Natl Acad Sci USA** 72(11):4430–4, Nov 75

Effects of synthetic single- and multistranded polynucleotides on human monocyte IgG receptor activity in vitro. Schmidt ME, et al. **Proc Soc Exp Biol Med** 151(2):376–9, Feb 76

Studies on the cardiac glycoside inotropic receptor. Brody TM, et al. **Proc West Pharmacol Soc** 18:8–13, 1975

Thermal effects on the histamine receptor system of guinea pig ileum. Cook DA, et al. **Proc West Pharmacol Soc** 18:119–22, 1975

Amantadine and apomorphine: interactions on striatal

dopamine receptors. Cox B. **Proc West Pharmacol Soc** 18:162–7, 1975

Hallucinogenic indoleamines: Preferential action upon presynaptic serotonin receptors. Aghajanian GK, et al. **Psychopharmacol Commun** 1(6):619–29, 1975

The brain's dopamine receptor: labeling with (3H) dopamine and (3H) haloperidol. Snyder SH, et al. **Psychopharmacol Commun** 1(6):663–73, 1975

The effect of long–term penfluridol treatment on the sensitivity of the dopamine receptors in the nucleus accumbens and in the corpus striatum. Jackson DM, et al. **Psychopharmacologia** 45(2):151–5, 31 Dec 75

LSD as an agonist at mesolimbic dopamine receptors. Kelly PH, et al. **Psychopharmacologia** 45(2):221–4, 31 Dec 75

Evidence for a dopamine sensitive receptor in the young rat aorta. Murakami W, et al. **Res Commun Chem Pathol Pharmacol** 13(2):349–52, Feb 76

Effects of neuroleptics on the nigroneostriatal and mesocortical dopaminergic systems. Glowinski J. **Res Publ Assoc Res Nerv Ment Dis** 54:233–46, 1975 (57 ref.)

Effect of endogenous corticosterone on the determination of dexamethasone receptor levels in rat liver cytosol. Giannopoulos G. **Steroids** 28(1):51–6, Jul 76

[Receptor–blockade and receptor–hypersensitivity following neuroleptic treatment (author's transl)] Nielsen IM, et al. **Arzneim Forsch** 26(6):1090–2, 1976 (Eng. Abstr.) **(Ger)**

[Principle of aspecificity and thermodynamic models of the interaction: drug – receptor] Fubini B, et al. **Boll Soc Ital Biol Sper** 51(23):1815–21, 15 Dec 75 **(Ita)**

[Response of peripheral receptors to the parenteral administration of an association of dihydroxyprogesterone acetophenide and estradiol–3 benzoate–17–n–butyrate. Preliminary note] Selvaggi L, et al. **Minerva Ginecol** 27(12):961–3, Dec 75 (Eng. Abstr.) **(Ita)**

[Blood practolol concentration and beta adrenergic blockade of the cardiovascular system] Adamska–Dyniewska H, et al. **Pol Arch Med Wewn** 55(4):307–17, 1976 (Eng. Abstr.) **(Pol)**

[Estrogen receptors in advanced breast cancer] Viladiú P, et al. **Rev Clin Esp** 140(2):139–44, 31 Jan 76 (Eng. Abstr.) **(Spa)**

RECEPTORS, HORMONE

see related
RADIOLIGAND ASSAY

Radioligand receptor assay of FSH. Brown PS, et al. **Acta Endocrinol (Kbh)** 82(4):673–82, Aug 76

A histochemical approach to the study of human chorionic gonadotrophin receptors in the rat testis. Dal Lago A, et al. **Acta Endocrinol (Kbh)** 81(1):185–97, Jan 76

Ligand–binding characteristics of rat testis receptors for luteinizing hormone. Esfahani M, et al. **Acta Endocrinol (Kbh)** 82(1):164–82, May 76

Oestradiol receptor levels in the human fallopian tube during the menstrual cycle. Robertson DM, et al. **Acta Endocrinol (Kbh)** 80(4):705–18, Dec 75

Oestradiol– and dihydrotestosterone receptors in normal and neoplastic human mammary tissue. Wagner RK, et al. **Acta Endocrinol (Kbh)** 82(1):105–20, May 76

Corticosteroid binding proteins and the hormone receptor in liver. Litwack G. **Adv Enzyme Regul** 13:151–71, 1975

Changes in hormone binding and responsiveness in target cells and tissues during aging. Roth GS. **Adv Exp Med Biol** 61:195–208, 1975 (51 ref.)

Explorations of the insulinlike and growth–promoting properties of somatomedin by membrane receptor assays. van Wyk JJ, et al. **Adv Metab Disord** 8:127–50, 1975 (30 ref.)

Angiotensin receptors in smooth muscle cells. Baudouin M, et al. **Adv Nephrol** 2:181–9, 1972

Membrane receptors and hormone action. Cuatrecasas P, et al. **Adv Protein Chem** 30:251–451, 1976 (782 ref.)

Purification of human placental estradiol 17 beta–dehydrogenase study of the steroid–binding site. Warren JC, et al. **Am J Obstet Gynecol** 123(5):443–52, 1 Nov 75

Interaction of anabolic steroids with glucocorticoid receptor sites in rat muscle cytosol. Mayer M, et al. **Am J Physiol** 229(5):1381–6, Nov 75

Liver differentiation and the estrogen–binding properties of alpha–fetoprotein. Uriel J, et al. **Ann NY Acad Sci** 259:119–30, 22 Aug 75

The prediction of hormonal dependency of mammary cancer. Block GE, et al. **Ann Surg** 182(3):342–52, Sep 75

LevoDopa test and estrogen receptor assay in prognosticating responses of patients with advanced cancer of the breast to endocrine therapy. Sasaki GH, et al. **Ann Surg** 183(4):392–6, Apr 76

Estrogen receptor and natural course of breast cancer. Singhakowinta A, et al. **Ann Surg** 183(1):84–8, Jan 76

Steroid receptors: elements for modulation of eukaryotic transcription. Yamamoto KR, et al. **Annu Rev Biochem** 45:721–46, 1976 (206 ref.)

Current models of steroid hormone action: a critique. Gorski J, et al. **Annu Rev Physiol** 38:425–50, 1976 (150 ref.)

Actions of vertebrate sex hormones. Williams–Ashman HG, et al. **Annu Rev Physiol** 33:31–82, 1971 (421 ref.)

Receptors for insulin and epidermal growth factor: relation to synthesis of DNA in cultured rabbit lens epithelium. Hollenberg MD. **Arch Biochem Biophys** 171(2):371–7, Dec 75

Corticosteroid receptors in the neural retina and other tissues of the chick embryo. Koehler DE, et al. **Arch Biochem Biophys** 170(1):102–13, Sep 75

Insulin receptors in a new human placenta cell line: demonstration of negative cooperativity. Podskalny JM, et al. **Arch Biochem Biophys** 170(2):504–13, Oct 75

Estradiol receptor activity in tissues of human breast cancer. Görlich M, et al. **Arch Geschwulstforsch** 45(5):444–52, 1975

Significance of tissue estrogen receptors in the strategy of breast cancer treatment. Heuson JC, et al. **Arch Geschwulstforsch** 45(5):417–22, 1975

Steroid hormone receptors in human breast cancer and clinical correlations. Maass H, et al. **Arch Geschwulstforsch** 45(5):423–9, 1975

Estimation of high affinity estradiol binding sites in the human breast cancer. Paszkoand Z, et al. **Arch Geschwulstforsch** 45(5):430–43, 1975

Proceedings: Influence of various hydrocarbonated substrates on insulin receptivity of Acetabularia mediterranea. Bourgeois P, et al. **Arch Int Physiol Biochim** 83(3):619–23, Aug 75

Steroid hormone receptor fraction stimulation of RNA synthesis: a caution. Buller RE, et al. **Biochem Biophys Res Commun** 69(1):106–13, 8 Mar 76

Involvement of a low molecular weight component(s) in the mechanism of action of the glucocorticoid receptor. Cake MH, et al. **Biochem Biophys Res Commun** 71(1):45–52, 12 Jul 76

Concanavalin A induced glucocorticoid resistance in rat thymocytes in relation to glucose metabolism and glucocorticoid receptors. Cidlowski JA. **Biochem Biophys Res Commun** 67(1):463–70, 3 Nov 75

Triiodothyronine binding proteins in rat liver cytosol. Defer N, et al. **Biochem Biophys Res Commun** 67(3):995–1004, 1 Dec 75

Partial purification of the glucocorticoid receptor from rat liver: a rapid, two–step procedure using DNA–cellulose. Eisen HJ, et al. **Biochem Biophys Res Commun** 70(2):367–72, 17 May 76

Nuclear thyroid hormone receptors: evidence for association with nucleolar chromatin. Gardner RS. **Biochem Biophys Res Commun** 67(2):625–33, 17 Nov 75

Steroid receptors in the human prostate. 2. Some properties of the estrophilic molecule of benign prostatic hypertrophy. Hawkins EF, et al. **Biochem Biophys Res Commun** 70(3):854–61, 7 Jun 76

Estimation of hormone receptor affinity by competitive displacement of labeled ligand: effect of concentration of receptor and of labeled ligand. Jacobs S, et al. **Biochem Biophys Res Commun** 66(2):687–92, 16 Sep 75

Distribution of thyroid and glucocorticoid hormone receptors in transcriptionally active and inactive chromatin. Levy B, et al. **Biochem Biophys Res Commun** 68(4):1045–51, 23 Feb 76

Solubilization of a perathyroid hormone receptor from bovine kidney cortex plasma membranes. Malbon CC, et al. **Biochem Biophys Res Commun** 66(1):179–87, 2 Sep 75

Thyrotropin interactions with human fat cell membrane preparations and the finding of soluble thyrotropin binding component. Mullin BR, et al. **Biochem Biophys Res Commun** 69(1):55–62, 8 Mar 76

Oxytocin receptors in rat oviduct. Soloff MS. **Biochem Biophys Res Commun** 66(2):671–7, 16 Sep 75

Comparison of thyrotrophin receptors in membranes prepared from fat and thyroid tissue. Teng CS, et al. **Biochem Biophys Res Commun** 66(2):836–41, 16 Sep 75

Identification of a glucocorticoid–sensitive histone protein from mouse fibroblast nuclei. Wong MD, et al. **Biochem Biophys Res Commun** 71(1):265–71, 12 Jul 76

Use of the direct linear plot to estimate binding constants for protein–ligand interactions. Woosley JT, et al. **Biochem Biophys Res Commun** 71(1):155–60, 12 Jul 76

Identification and properties of renal mineralocorticoid receptors in relation to glucocorticoid binders in rat liver and kidney. Agarwal MK. **Biochem J** 154(3):567–75, 15 Mar 76

Properties of follicle–stimulating–hormone receptor in cell membranes of bovine testis. Cheng KW. **Biochem J** 149(1):123–32, Jul 75

Intranuclear localization and receptor proteins for 1,25–dihydroxycholecalciferol in chick intestine. Lawson DE, et al. **Biochem J** 144(3):573–83, Dec 74

The dexamethasone receptor in the Novikoff Hepatoma. Characterization and changes in concentration and nuclear uptake during glucocorticoid therapy. Liu SL, et al. **Biochem J** 152(3):689–95, Dec 75

Nuclear components responsible for the retention of steroid–receptor complexes, especially from the standpoint of the specifcity of hormonal responses. Mainwaring WIP, et al. **Biochem J** 156(1):129–41, 15 Apr 76

Nuclear binding of progesterone in hen oviduct. Binding to multiple sites in vitro. Pikler GM, et al. **Biochem J** 156(2):399–408, 15 May 76

Demonstration of an androgen receptor in rat pancreas. Pousette A. **Biochem J** 157(1):229–32, 1 Jul 76

Studies on sex–organ development. Ontogeny of cytoplasmic oestrogen receptor in chick Müllerian duct. Teng CS, et al. **Biochem J** 150(2):191–4, Aug 75

Studies on sex–organ development. Isolation and characterization of an oestrogen receptor from chick Müllerian duct. Teng CS, et al. **Biochem J** 150(2):183–90, Aug 75

Study on sex–organ development. Oestrogen–receptor translocation in the developing chick Müllerian duct. Teng CS, et al. **Biochem J** 154(1):1–9, 15 Jan 76

Nuclear binding of progesterone in hen oviduct. Role of acidic chromatin proteins in high–affinity binding. Webster RA, et al. **Biochem J** 156(2):409–18, 15 May 76

The use of an antiandrogenic agent to distinguish between estrogen and androgen binding proteins in rat ventral prostate. O'Toole JH, et al. **Biochem Med** 14(3):297–304, Nov 75

The biology and mechanism of steroid hormone receptor interaction with the eukaryotic nucleus. Buller RE, et al. **Biochem Pharmacol** 25(1):1–12, Jan 76 (189 ref.)

Estrogen receptors in the rat uterus. Retention of hormone–receptor complexes. Juliano JV, et al. **Biochemistry** 15(4):916–20, 24 Feb 76

Steroid–receptor quantitation and characterization by electrophoresis in highly cross–linked polyacrylamide gels. Miller LK, et al. **Biochemistry** 14(20):4433–43, 7 Oct 75

Isolation and characterization of the testosterone–estradiol–binding globulin from human plasma. Use of a novel affinity column. Rosner W, et al. **Biochemistry** 14(22):4813–20, 4 Nov 75

Multiple forms of oviduct progesterone receptors analyzed by ion exchange filtration and gel electrophoresis. Sherman MR, et al. **Biochemistry** 15(5):980–9, 9 Mar 76

Transformation of glucocorticoid–receptor complex from rat thymocytes and its accumulation in chromatin in a cell–free system. Andreasen PA. **Biochim Biophys Acta** 428(3):792–807, 28 May 76

Optimum conditions for the binding of insulin to its receptor. Apostolova JS, et al. **Biochim Biophys Acta** 428(2):414–9, 23 Apr 76

Quantitative aspects of hormone–receptor interactions of high affinity. Effect of receptor concentration and measurement of dissociation constants of labeled and unlabeled hormones. Chang KJ, et al. **Biochim Biophys Acta** 406(2):294–303, 6 Oct 75

Differences between cytosol receptor complexes with corticosterone and dexamethasone in hippocampal tissue from rat brain. De Kloet ER, et al. **Biochim Biophys Acta** 421(1):124–32, 14 Jan 76

A putative glucocorticoid receptor and a transcortin–like macromolecule in pituitary cytosol. De Kloet ER, et al. **Biochim Biophys Acta** 421(1):115–23, 14 Jan 76

Thyroxine–binding proteins in liver and tail of Rana catebeiana undergoing metamorphosis. Durban E, et al. **Biochim Biophys Acta** 437(1):175–89, 23 Jun 76

The insulin receptor of the turkey erythrocyte. Characterization of the membrane–bound receptor. Ginsberg BH, et al. **Biochim Biophys Acta** 443(2):227–42, 16 Aug 76

The effect of antiestrogens on egg yolk protein synthesis and estrogen–binding to chromatin in the rooster liver. Gschwendt M. **Biochim Biophys Acta** 399(2):395–402, 13 Aug 75

The glucagon receptor of rat liver plasma membrane can couple to adenylate cyclase without activating it. Houslay MD, et al. **Biochim Biophys Acta** 436(2):489–94, 17 Jun 76

The lipid environment of the glucagon receptor regulates adenylate cyclase activity. Houslay MD, et al. **Biochim Biophys Acta** 436(2):495–504, 17 Jun 76

The mobile receptor hypothesis and 'cooperativity' of hormone binding. Application to insulin. Jacobs S, et al. **Biochim Biophys Acta** 433(3):482–95, 21 May 76

An analysis of the binding of the chick oviduct progesterone–receptor to chromatin. Jaffe RC, et al. **Biochim Biophys Acta** 399(2):403–19, 13 Aug 75

Steroid–protein interactions. XXXIV. Chemical modification of alpha1–acid glycoprotein for characterization of the progesterone binding site. Kute T, et al. **Biochim Biophys Acta** 420(1):195–213, 20 Jan 76

Characterization of the parathyrin receptor in renal plasma membranes by labelled hormone and labelled antibody binding techniques. McIntosh CH, et al. **Biochim Biophys Acta** 426(3):535–46, 19 Mar 76

Hormone action at the membrane level. V. Binding of (+/–)-[3H]isoproterenol to intact chicken erythrocytes and erythrocyte ghosts. Malchoff CD, et al. **Biochim Biophys Acta** 436(1):45–52, 4 Jun 76

The involvement of receptro sulphydryl groups in the binding of steroids to the cytoplasmic glucocorticoid receptor from rat thymus. Rees AM, et al. **Biochim Biophys Acta** 411(1):121–32, 10 Nov 75

The dependence of specific nuclear binding of glucocorticoids by rat thymus cells on cellular ATP levels. Sloman JC, et al. **Biochim Biophys Acta** 428(2):403–13, 23 Apr 76

Demonstration of 8 S–cytoplasmic oestrogen receptor in rat mullerian duct. Somjen GJ, et al. **Biochim Biophys Acta** 428(3):787–91, 28 May 76

Characteristics of the corticosterone–receptor complex in rat liver cytosol. Wrange O. **Biochim Biophys Acta** 434(2):483–9, 15 Jun 76

Rat liver chromatin non–histone proteins and glucocorticoid binding. Defer N, et al. **Biochimie** 56(11–12):1549–57, 1974

Ontogenic development of the responsiveness in cAMP synthesis to LH and PGE1 and gonadotropin receptors in the rat ovary. Kolena J. **Biol Neonate** 29(1–2):96–103, 1976

Correlative aspects of luteinizing hormone–releasing hormone sensitivity and cytoplasmic estrogen receptor concentration in the anterior pituitary and hypothalamus of the cycling rat. Greeley Jr GH, et al. **Biol Reprod**

13(5):505–12, Dec 75
Control of the LH receptor by prolactin and prostaglandin F2alpha in rat corpora lutea. Grinwich DL, et al. **Biol Reprod** 14(2):212–8, Mar 76
The role of membrane bound receptors. Ryan RJ, et al. **Biol Reprod** 14(1):16–29, Feb 76
A negative control model of hormone receptor interaction. Boeynaems JM, et al. **Biosystems** 7(1):206–8, Jul 75
Cytoplasmic receptor levels and glucocorticoid response in human lymphoblastoid cell lines. Bird CC, et al. **Br J Cancer** 32(6):700–7, Dec 75
High affinity oestradiol receptors and the activity of glucose-6-phosphate dehydrogenase and lactose synthetase in mammary carcinomata of postmenopausal women. Daehnfeldt JL, et al. **Br J Cancer** 31(4):424–8, Apr 75
Elastosis and oestrogen receptors in human breast cancer. Masters JR, et al. **Br J Cancer** 33(3):342–3, Mar 76
Proceedings: Oestrogen receptor activity in human breast tumours. Hawkins RA, et al. **Br J Surg** 62(8):654, Aug 75
Proceedings: Oestrogen receptor activity, plasma oetrogen concentrations and response to endocrine therapy in cancer of the breast. Hawkins RA, et al. **Br J Surg** 63(8):658–9, Aug 76
Radioimmunoassay and saturation analysis. Production of antibodies and binding reagents. Playfair JH, et al. **Br Med Bull** 30(1):24–6, Jan 74
Editorial: Hormone receptors and breast cancer. **Br Med J** 2(6027):67–8, 10 Jul 76
Oestrogen and androgen receptors in breast cancer and response to endocrine therapy. Persijn JP, et al. **Br Med J** 4(5995):503, 29 Nov 75
An androgen receptor in rat brain and pituitary. Barley J, et al. **Brain Res** 100(2):383–93, 19 Dec 75
Role of cholinergic and glucocorticosteroid receptors in the tyrosine hydroxylase induction elicited by reserpine in superior cervical ganglion. Hanbauer I, et al. **Brain Res** 96(1):197–200, 10 Oct 75
Role of fetoneonatal estrogen binding proteins in the associations of estrogen with neonatal brain cell nuclear receptors. McEwen BS, et al. **Brain Res** 96(2):400–6, 17 Oct 75
[3H]Estradiol binding macromolecules in the hypothalamus and anterior pituitary of normal female, androgenized female and male rats. Maurer RA. **Brain Res** 67(1):175–7, 15 Feb 74
[3H]estradiol binding macromolecules in the hypothalamus and anterior pituitary of normal female, androgenized female and male rats. Maurer RA. **Brain Res** 67(1):175–7, 15 Feb 74
Glucocorticoid binding to receptor-like proteins in rat brain and pituitary: ontogenetic and experimentally induced changes. Olpe HR, et al. **Brain Res** 105(1):121–8, 19 Mar 76
Reduced glucocorticoid binding site concentration in cortical neuronal perikarya from senescent rats. Roth GS. **Brain Res** 107(2):345–54, 7 May 76
Localization of CNS glucoregulatory insulin receptors within the ventromedial hypothalamus. Storlien LH, et al. **Brain Res** 96(1):156–60, 10 Oct 75
Properties and partial purification of an oestrogen receptor from neonatal rat brain. Westley BR, et al. **Brain Res** 113(2):441–7, 27 Aug 76
Androgen and estrogen binding in rat skeletal and perineal muscles. Dubé JY, et al. **Can J Biochem** 54(1):50–5, Jan 76
Polypeptide hormone receptors: characteristics and applications. Posner BI. **Can J Physiol Pharmacol** 53(5):689–703, Oct 75 (120 ref.)
Current status of estrogen receptors in human breast cancer. McGuire WL. **Cancer** 36(2):638–44, Aug 75
Estrogen receptor protein in lesions of the male breast: a preliminary report. Rosen PP, et al. **Cancer** 37(4):1866–8, Apr 76
Estrogen and prolactin receptor concentrations in rat mammary tumors and response to endocrine ablation. DeSombre ER, et al. **Cancer Res** 36(2 Pt 1):354–8, Feb 76
Characteristics of progesterone-binding components in neoplastic mammary tissues of the rat. Goral JE, et al. **Cancer Res** 36(6):1886–93, Jun 76
Estrogen receptors in hormone-dependent breast cancers. Jensen EV. **Cancer Res** 35(11 Pt. 2):3362–4, Nov 75
Receptor characteristics of specific estrogen binding in the renal adenocarcinoma of the golden hamster. Li JJ, et al. **Cancer Res** 36(3):1127–32, Mar 76
Pathological review of breast lesions analyzed for estrogen receptor protein. Rosen PP, et al. **Cancer Res** 35(11 Pt 1):3187–94, Nov 75
Clinical relevance of steroid-receptor measurements in tumours. King RJ. **Cancer Treat Rev** 2(4):273–93, Dec 75 (64 ref.)
A significant lag in the induction of ovalbumin messenger RNA by steroid hormones: a receptor translocation hypothesis. Palmiter RD, et al. **Cell** 8(4):557–72, Aug 76
Quantitative immunocytochemistry of pituitary receptors for luteinizing hormone-releasing hormone. Sternberger LA, et al. **Cell Tissue Res** 162(2):141–76, 17 Sep 75
Membrane topology as revealed by the binding of macromolecules. Orci L. **Ciba Found Symp** 41:267–80, 1976
Receptor binding of angiotensin II and antagonists. Correlation with aldosterone production by isolated canine adrenal glomerulosa cells. Douglas J, et al. **Circ Res** 38(6 Suppl 2):108–12, Jun 76
Simplified Scatchard-plot assay for estrogen receptor in human breast tumor. Johnson RB Jr, et al. **Clin Chem** 21(12):1725–30, Nov 75
Correlation between estrogen receptor protein and carcinoembryonic antigen in normal and carcinomatous human breast tissue. Menendez-Botet CJ, et al. **Clin Chem** 22(8):1366–71, Aug 76
Binding of dexamethasone to canine corticosteroid-binding globulin. Gill GV, et al. **Clin Chim Acta** 63(2):231–3, 1 Sep 75
A simple method for the determination of oestrogen receptor concentrations in breast tumours and other tissues. Hawkins RA, et al. **Clin Chim Acta** 64(2):203–10, 15 Oct 75
Experience with a simple method for estrogen receptor assay in breast cancer. Liskowski L, et al. **Clin Chim Acta** 67(2):175–82, 1 Mar 76
Corticosteroid sulfate excretion and estrogen receptors in breast cancer. Rose DP, et al. **Clin Chim Acta** 67(2):183–7, 1 Mar 76
Quantitation of estrogen receptors in human breast cancer by agar gel electrophoresis. Teulings FA, et al. **Clin Chim Acta** 64(1):27–38, 1 Oct 75
Human chorionic gonadotrophin: comparative studies of ovarian uptake in mammals. Mizejewski GJ. **Comp Biochem Physiol [A]** 52(1):29–34, 1 Sep 75
High affinity binding of dexamethasone to chicken plasma proteins: some characteristics of chicken corticosteroid binding globulin. Cochet C, et al. **Comp Biochem Physiol [B]** 53(1):73–6, 1976
Signal transfer from hormone receptor to adenylate cyclase. Helmreich EJ, et al. **Curr Top Cell Regul** 10:41–87, 1976
Changes in cortisol binding to soluble receptor proteins in rat liver and thymus during development and ageing. Petrović JS, et al. **Dev Biol** 45(1):176–82, Jul 75
Insulin receptors in the heart muscle. Demonstration of specific binding sites and impairment of insulin binding in the plasma membrane of the obese hyperglycemic mouse. Forgue ME, et al. **Diabetes** 24(8):715–23, Aug 75
Insulin receptors in cultured human fibroblasts. Rechler MM, et al. **Diabetes** 25(4):250–5, Apr 76
The control of insulin receptors in the New Zealand obese mouse. Baxter D, et al. **Diabetologia** 11(4):261–7, Aug 75
Interactions polypeptide hormones with cell membrane specific receptors: studies with insulin and glucagon. Freychet P. **Diabetologia** 12(2):83–100, May 76 (95 ref.)
Estrogen-binding parameters of cytoplasmic and nuclear receptors in an established rat endometrial cell line and tumor. Farookhi R, et al. **Endocr Res Commun** 3(1):1–19, 1976
Hormone receptors, 5. Binding of glucagon and insulin to human circulating mononuclear cells in diabetes mellitus. Goldstein S, et al. **Endocr Res Commun** 2(4–5):367–76, 1975
Prolactin binding activity on the crop sacs of juvenile, mature, parent and prolactin-injected pigeons. Kledzik G, et al. **Endocr Res Commun** 2(4–5):345–55, 1975
Nuclear binding capacity appears to limit the hepatic response to L-triiodothyronine (T3). Oppenheimer JH, et al. **Endocr Res Commun** 2(4–5):309–25, 1975
Demonstration of a specific receptor for prolactin in porcine granulosa cells. Rolland R, et al. **Endocr Res Commun** 2(3):281–98, 1975
Isolation and culture of FSH responsive Sertoli cells. Steinberger A, et al. **Endocr Res Commun** 2(3):261–72, 1975
Estrogen binding protein of rat liver. Viladiu P, et al. **Endocr Res Commun** 2(3):273–80, 1975
Radioligand- receptor assay of LH-RH. Spona J. **Endocrinol Exp (Bratisl)** 9(1):21–6, Jan 75
Determination of the association constants and maximum binding capacities between estradiol and cytosol of the uterus by the least-squares analysis of the Scatchard plot. Hayakawa K, et al. **Endocrinol Jpn** 22(3):195–8, Jun 75
5alpha-Dihydrotestosterone binding protein in rat ventral prostate; purification, nuclear incorporation, and subnuclear localization. Ichii S. **Endocrinol Jpn** 22(5):433–7, Oct 75
Direct evidence on incorporation of the receptor into the nuclei of rat ventral prostate in the form of the complex with dihydrotestosterone. Nozu K, et al. **Endocrinol Jpn** 22(6):537–48, Dec 75
A receptor site for prolactin in lactating mouse mammary tissues. Sakai S, et al. **Endocrinol Jpn** 22(5):379–87, Oct 75
A cytoplasmic estradiol receptor in rat testicular tissue. Abney TO. **Endocrinology** 99(2):555–66, Aug 76
Corticoid receptors in rat brain: evidence for an aldosterone receptor. Anderson NS 3d, et al. **Endocrinology** 98(3):676–84, Mar 76
Specific prolactin binding sites in the prostate and testis of rats. Aragona C, et al. **Endocrinology** 97(3):677–84, Sep 75
Androgen and estrogen receptors in brain cytosol from male, female, and testicular feminized (tfm/y hermaphrodite) mice. Attardi B, et al. **Endocrinology** 98(4):864–74, Apr 76
The prosence of estrogen receptor in kidneys from normal and androgen-insensitive tfm/y mice. Bullock LP, et al. **Endocrinology** 97(5):1106–11, Nov 75
LH-hCG receptors and testosterone content during differentiation of the testis in the rabbit embryo. Catt KJ, et al. **Endocrinology** 97(5):1157–65, Nov 75
Sex-related differences in the regulation of cytoplasmic estrogen receptor levels in responsive tissues of the rat. Cidlowski JA, et al. **Endocrinology** 98(4):833–41, Apr 76
The affinity of catechol estrogens for estrogen receptors in the pituitary and anterior hypothalamus of the rat. Davies IJ, et al. **Endocrinology** 97(3):554–7, Sep 75
Cytoplasmic and nuclear progesterone receptors in the guinea pig uterus. Feil PD, et al. **Endocrinology** 97(6):1398–407, Dec 75
16Beta-hydroxydehydroepiandrosterone: the dichotomy between renal receptor binding and urinary electrolyte activity. Funder JW, et al. **Endocrinology** 99(2):619–28, Aug 76
Binding of cytosol receptor-glucocorticoid complexes by isolated nuclei of glucocorticoid-responsive and nonresponsive cultured cells. Garroway NW, et al. **Endocrinology** 98(5):1092–100, May 76
Testosterone-binding protein in reproductive tracts of fetal rats. Gupta C, et al. **Endocrinology** 99(2):389–9, Aug 76
Temporal relationships between hormone receptor binding and biological responses in the uterus: studies with short- and long-acting derivatives of estriol. Lan NC, et al. **Endocrinology** 98(1):220–7, Jan 76
The porcine ovarian follicle: III. Development of chorionic gonadotropin receptors associated with increase in adenyl cyclase activity during follicle maturation. Lee CY. **Endocrinology** 99(1):42–8, Jul 76
Cytoplasmic glucocorticoid receptors in the developing small intestine of the rabbit fetus. Lee DK, et al. **Endocrinology** 99(2):379–88, Aug 76
On the mechanism of prolactin and estrogen action in 7,12 dimethylbenz(A)anthracene-induced mammary carcinoma in the rat. II. In vivo tumor responses and estrogen receptor. Leung BS, et al. **Endocrinology** 97(3):564–72, Sep 75
A high-affinity estrogen-binding protein in rat placental trophoblast. McCormack SA, et al. **Endocrinology** 99(3):701–12, Sep 76
Water-soluble specific growth hormone binding sites from cultured human lymphocytes: preparation and partial characterization. McGuffin WL Jr, et al. **Endocrinology** 98(6):1401–7, Jun 76
Endometrial content of nuclear estrogen receptor and receptivity for ovoimplantation in the rat. Martel D, et al. **Endocrinology** 99(2):470–5, Aug 76
Renal receptors for calcitonin: coordinate occurrence with calcitonin-activated adenylate cyclase. Marx SJ, et al. **Endocrinology** 97(2):448–53, Aug 75
Characterization of the androgen receptor in the anterior pituitary of the rat. Naess O, et al. **Endocrinology** 97(6):1355–63, Dec 75
A specific FSH receptor in rat granulosa cells: properties of binding in vitro. Nimrod A, et al. **Endocrinology** 98(1):56–64, Jan 76
Glucocorticoid and mineralocorticoid receptors in gut mucosa. Pressley L, et al. **Endocrinology** 97(3):588–96, Sep 75
1alpha,25-dihydroxyvitamin D3-like component present in the plant Solanum glaucophyllum. Procsal DA, et al. **Endocrinology** 99(2):437–44, Aug 76
Competitive binding activity of angiotensin II analogues in an adrenal cortex radioligand-receptor assay; Saltman S, et al. **Endocrinology** 97(2):275–82, Aug 75
A receptor-like testosterone-binding protein in ovaries from estrogen-stimulated hypophysectomized immature female rats. Schreiber JR, et al. **Endocrinology** 98(5):1206–13, May 76
Distribution binding sites for the progesterone receptor within chick oviduct chromatin. Socher SH, et al. **Endocrinology** 99(3):891–900, Sep 76
Changes in (125I) labeled human chorionic gonadotropin (hCG) binding to porcine granulosa cells during follicle development and cell culture. Stouffer RL, et al. **Endocrinology** 99(2):516–25, Aug 76
Autoradiographic localization of corticosterone receptors (type III) to the collecting tubule of the rat kidney. Strum JM, et al. **Endocrinology** 97(3):505–16, Sep 75
Glucocorticoid receptors: evidence for a second, non-glucocorticoid binding site. Suthers MB, et al. **Endocrinology** 99(1):260–9, Jul 76
Regulation of estrogen receptors in ovarian-dependent rat mammary tumors. I. Effects of castration and prolactin. Vignon F, et al. **Endocrinology** 98(3):722–9, Mar 76
Hormone receptor studies on frog macrophage cells by means of histamine, serotonin and indoleacetic acid. Csaba G, et al. **Endokrinologie** 65(2):219–23, 1975 (Eng. Abstr.)
Induction of estradiol—binding receptors in the uterus of intact and ovariectomized rats. Szabó G, et al. **Endokrinologie** 63(3):396–401, 1974
Oestrogen receptors in chick oviduct. Characterization and subcellular distribution. Best-Belpomme M, et al. **Eur J Biochem** 57(2):537–47, 15 Sep 75
Epinephrine-binding plasma-membrane antigens in rat liver. Blomberg F, et al. **Eur J Biochem** 56(2):319–26, 15 Aug 75
Characterization of oxytocin receptors on isolated rat fat cells. Bonne D, et al. **Eur J Biochem** 56(1):295–303, 1 Aug 75
Occurrence and properties of a prostaglandin F2alpha receptor in bovine corpora lutea. Powell WS, et al. **Eur J Biochem** 56(1):73–7, 1 Aug 75
Limited proteolysis of cytoplasmic and nuclear uterine estradiol receptors yields identical estradiol-binding fragments. Vallet-Strouve C, et al. **Eur J Biochem** 66(2):327–37, 1 JUL 76
Factors influencing the estimation of oestrogen receptors in human malignant breast tumours. Braunsberg H. **Eur J Cancer** 11(7):499–507, Jul 75
Two sex steroid receptors in SC-115 mammary tumor cells. Jung-Testas I, et al. **Exp Cell Res** 97(2):219–32, Feb 76

Estrogen target cells. Establishment of a cell line derived from the rat pituitary tumor MtT/F4. Sonnenschein C, et al. **Exp Cell Res** 101(1):15–22, Aug 76

Chromatographic conditions in the expression of corticosteroid receptor specificity. Agarwal MK. **Experientia** 32(4):531–3, 15 Apr 76

Appearance of sex hormone receptors in frog (Rana esculenta) tadpole skin during metamorphosis. Chieffi G, et al. **Experientia** 31(8):989–90, 15 Aug 75

Plasticity of the hormone receptors and possibility of their deformation in neonatal age. Csaba G, et al. **Experientia** 32(5):651–2, 15 May 76

Correlation of estrogen-induced uterine eosinophilia with other parameters of estrogen stimulation, produced with estradiol-17beta and estriol. Tchernitchin A, et al. **Experientia** 31(8):993–4, 15 Aug 75

Effect of progesterone on the in vivo binding of estrogens by uterine cells. Tchernitchin A. **Experientia** 32(8):1069–71, 15 Aug 76

Demonstration of steroid specific hormone receptors by chromatography. Agarwal MK. **FEBS Lett** 62(1):25–9, 1 Feb 76

Estradiol-receptor-DNA interaction: liquid polymer phase partition. Alberga A, et al. **FEBS Lett** 61(2):223–6, 15 Jan 76

Partial purification of the activated glucocorticord receptor of rat liver. Climent F, et al. **FEBS Lett** 66(2):317–21, 15 Jul 76

Production and detection of antibodies against the estrogen receptor from calf uterine cytosol. Fox LL, et al. **FEBS Lett** 63(1):71–6, 15 Mar 76

Hormone—receptor interactions. Helmreich EJ. **FEBS Lett** 61(1):1–5, 01 Jan 76 (18 ref.)

Rapid appearance of estrogen receptor in chick liver nuclei: partial inhibition by cycloheximide. Joss U, et al. **FEBS Lett** 66(2):293–8, 15 Jul 76

Hormone–receptor interactions.
Adrenocorticotrophin–(7–24)–octadecapeptide stimulates adipocyte membrane adenylate cyclase without causing lipolysis in fat cells. Lang U, et al. **FEBS Lett** 66(2):246–9, 15 Jul 76

Interaction of 3H-labelled synthetic human gastrin I with rat gastric plasma membranes. Evidence for the existence of biologically reactive gastrin receptor sites. Lewin M, et al. **FEBS Lett** 66(2):168–72, 15 Jul 76

Solubilization and partial purification of a growth hormone receptor from rabbit liver. McIntosh C, et al. **FEBS Lett** 66(1):149–54, 1 Jul 76

Binding of nonsuppressible insulin-like activity (NSILA) to isolated fat cells: evidence for two separate membrane acceptor sites. Schoenle E, et al. **FEBS Lett** 67(2):175–9, 15 Aug 76

The specificity of gonadotropin binding by the human corpus luteum. Cole FE, et al. **Fertil Steril** 27(8):921–8, Aug 76

Gonadotropin binding sites in human postmenopausal ovaries. Peluso JJ, et al. **Fertil Steril** 27(7):789–95, Jul 76

Specific estrogen receptor and its relation to response to oophorectomy in rat mammary cancer induced by 7,12-dimethylbenz[a]anthracene. Nomura Y, et al. **Gann** 65(6):523–8, Dec 74

Lack of correlation between the presence of estrogen receptor and histological type of mammary cancer induced by 7,12-dimethylbenz[alpha]anthracene. Nomura Y, et al. **Gann** 66(6):689–91, Dec 75

Estradiol binding by human endometrial tissue. Muechler EK, et al. **Gynecol Oncol** 3(3):244–50, Sep 75

Hormone–receptor interactions. Demonstration of two message sequences (active sites) in alpha–melanotropin. Eberle A, et al. **Helv Chim Acta** 58(6):1528–35, 24 Sep 75

Binding of somatomedins and insulin to plasma membranes prepared from rat and monkey tissue. Takano K, et al. **Horm Metab Res** 8(1):16–24, Jan 76

Quantitation of estradiol receptors employing a sensitive radioimmunoassay. Floridi A, et al. **Immunol Commun** 4(6):603–15, 1975

Trans-synaptic induction of tyrosine hydroxylase in superior cervical ganglia: participation of postsynaptic and steroid receptors. pp. 175–82. Hanbauer I, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2. (18 ref.)

The neuroanatomy of sex hormone receptors in the vertebrate brain. pp. 30–45. Pfaff DW.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

Hormone receptor modulation of cAMP in the control of allergic and inflammatory responses. pp. 339–54. Lichtenstein LM.
In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8. (49 ref.)

Adenylate cyclase-linked hormone receptors: an important mechanism for the immunoregulation of leucocytes. pp. 73–83. Lichtenstein LM, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.

Membrane receptors and the mechanism of hormone action. pp. 131–40. Siegel MI, et al.
In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.

Steroid hormone receptors in human malignancy. pp. 205–18. Lippman ME.
In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.

Gonadotrophin receptors of the rat testis and ovary. pp. 83–112. Catt KJ, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Steroid receptors and hormone receptivity: new approaches in pharmacology therapeutics. pp. 296–306. Baulieu EE.

In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974. (45 ref.)

Androgen receptors in human prostates. pp. 663–75. Hsu RS, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Receptor mechanism for androgens in rat ventral prostate. pp. 563–76. Liao S, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973. (40 ref.)

Studies of the interaction of androgen receptor complexes with chromatin subfractions and DNA. pp. 577–99. Mainwaring WI.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Cytoplasmic androgen receptor of the aging rat ventral prostate. pp. 712–30. Shain SA, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

The use of a hypothetical receptor-site model to predict novel pituitary hormone releasing and inhibiting agents. pp. 189–97. Smythe GA, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. pp. 182–8. Wilber JF, et al.

In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Hormone receptors in the lung. pp. 233–49. Conolly ME, et al.
In: Junod AF, de Haller R, ed. Lung metabolism. New York, Academic Press, 1975. W3 DA 266 1974L. (65 ref.)

Characterization of the thyrotropin receptor and its involvement in exophthalmos. pp. 149–81. Kohn LD, et al.
In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974.

Studies on polypeptide hormone receptors. pp. 123–31. Schwyzer R.
In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974. (17 ref.)

Steroid binding in the hypothalamus and pituitary. pp. 171–89. Raynaud JP, et al.
In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976. (21 ref.)

Androgen receptors in male sex tissues of rats and humans. pp. 189–203. Attramadal A, et al.
In: Marberger H, et al., ed. Prostatic disease. New York, Liss, 1976. W1 PR668E v.6 1976. (46 ref.)

Measurement of androgen receptors in human prostatic tissue: methodological considerations. pp. 159–68. Walsh PC, et al.
In: Marberger H, et al., ed. Prostatic disease. New York, Liss, 1976. W1 PR668E v.6 1976.

Purification of the LH-HCG receptor from luteinized rat ovaries. pp. 444–59. Lee CY, et al.
In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.

Steroid receptors and hormone receptivity: new approaches in pharmacology and therapeutics. pp. 15–28. Baulieu EE.

In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (45 ref.)

Clinical significance of the quantitative assessment of estrogen receptors in breast cancer. pp. 57–70. Heuson JC, et al.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.

Selection of anti-hormonal therapy for individual patients with breast cancer. pp. 115–22. Hobbs JR, et al.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.

Estrogen receptors and hormone dependency in human breast cancers. pp. 29–37. Jensen EV, et al.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.

Hormone receptors and endocrine therapy in human breast cancer. pp. 39–44. McGuire WL, et al.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.

[Physiological and pharmacological regulation of estrogen receptors] pp. 83–96. Rochefort H.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng. Abstr.)

Regulation of protein synthesis by peptide hormones. pp. 377–85. King RJ.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (51 ref.)

The ACTH–fat cell system as a model for hormone–receptor interaction. pp. 337–49. Lang U, et al.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (20 ref.)

Adrenocortical cell receptors for corticotrophin. pp. 351–4. Schulster D, et al.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976.

Cycle-dependent enzyme induction. pp. 145–51. Tomkins GM.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

Interactions of glucagon, gut glucagon, vasoactive intestinal polypeptide and secretin with their membrane receptors. pp. 161–6. Bataille D, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

Recent studies on insulin–receptor interactions. pp. 153–60. Freychet P.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974. (36 ref.)

Insulin receptors in fat cells: relationship between binding and activation. pp. 130–7. Gliemann J, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974. (29 ref.)

Glucocorticoid receptors in skeletal muscle. pp. 173–81. Mayer M, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

A morphological approach to surface receptors in islet and liver cells. pp. 113–29. Orci L, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

Nonsuppressible insulin–like activity: biological activity and receptor binding. pp. 138–52. Zapf J, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974. (24 ref.)

Action of indoleacetic acid: a plant growth hormone on transcription. pp. 461–77. Biswas BB, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Steroid receptors and steroid hormone action. pp. 335–43. Lebeau MC, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Particulate and solubilized hepatic receptors for glucagon, insulin, secretin and vasoactive intestinal polypeptide. pp. 201–2. Blecher M.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Information transfer in ageing: an allosteric model of hormonal regulation. pp. 63–95 Vassileva–Popova JG, et al.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p. (139 ref.)

Substrate concentration and its effect on the application of the law of mass action – a Brownian model. pp. 53–62. Yanev T, et al.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Angiotensin II receptors in smooth muscle: a survey of biochemical studies. pp. 39–47. Devynck MA, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

General approaches to structure activity relationships illustrated by recent data on angiotensin II. pp. 29–38. Fromageot P, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Interactions of glucagon, gut glucagon, vasoactive intestinal polypeptide and secretin with their membrane receptors. Bataille D, et al. **Isr J Med Sci** 11(7):687–92, Jul 75

Recent studies on insulin–receptor interactions. Freychet P. **Isr J Med Sci** 11(7):679–86, Jul 75

Insulin receptors in fat cells: relationship between binding and activation. Gliemann J, et al. **Isr J Med Sci** 11(7):656–63, Jul 75

Glucocorticoid receptors in skeletal muscle. Mayer M, et al. **Isr J Med Sci** 11(7):699–707, Jul 75

Symposium III: Hormones and hormone receptors. A morphological approach to surface receptors in islet and liver cells. Orci L, et al. **Isr J Med Sci** 11(7):639–55, Jul 75

Nonsuppressible insulin–like activity: biological activity and receptor binding. Zapf J, et al. **Isr J Med Sci** 11(7):664–78,

Jul 75
Properties of follitropin–receptor interaction. Characterization of the interaction of follitropin with receptors in purified membranes isolated from mature rat testes tubules. Abou-Issa H, et al. **J Biol Chem** 251(11):3326–37, 10 Jun 76
Properties of the interaction between bovine thyrotropin and bovine thyroid plasma membranes. Amir SM, et al. **J Biol Chem** 251(15):4693–9, 10 Aug 76
Mechanism and kinetics of the thermal activation of glucocorticoid hormone receptor complex. Atger M, et al. **J Biol Chem** 251(15):4758–62, 10 Aug 76
Gonadotropin binding factor(s). Extraction of high affinity gonadotropin binding sites from rat testis and partial characterization of their interaction with human follitropin, lutropin, and choriogonadotropin. Bhalla VK, et al. **J Biol Chem** 251(16):4947–57, 25 Aug 76
Experimental exophthalmos. Binding of thyrotropin and an exophthalmogenic factor derived from thyrotropin to retro-orbital tissue plasma membranes. Bolonkin D, et al. **J Biol Chem** 250(16):6516–21, 25 Aug 75
Binding of (3H)prostaglandin E1 to putative receptors linked to adenylate cyclase of cultured cell clones. Brunton LL, et al. **J Biol Chem** 251(10):3037–44, 25 May 76
Progesterone-binding components of chick oviduct. In vitro effect of receptor subunits on gene transcription. Buller RE, et al. **J Biol Chem** 251(17):5178–86, 10 Sep 76
Site-site interactions among insulin receptors. Characterization of the negative cooperativity. DeMeyts P, et al. **J Biol Chem** 241(7):1877–88, 10 Apr 76
The carboxylic acid groups of bovine luteinizing hormone. The effects of their modification on receptor site binding and subunit–subunit interaction. Faith MR, et al. **J Biol Chem** 250(17):6923–9, 10 Sep 75
Binding and degradation of insulin by human peripheral granulocytes. Demonstration of specific receptors with high affinity. Fussganger RD, et al. **J Biol Chem** 251(9):2761–9, 10 May 76
Sex-specific occurrence of androgen receptors in rat brain. Gustafsson JA, et al. **J Biol Chem** 251(13):4047–54, 10 Jul 76
Binding of selected iodothyronine analogues to receptor sites of isolated rat hepatic nuclei. High correlation between structural requirements for nuclear binding and biological activity. Koerner D, et al. **J Biol Chem** 250(16):6417–23, 25 Aug 75
Purification and characterization of the carrier protein for juvenile hormone from the hemolymph of the tobacco hornworm Manduca sexta Johannson (Lepidoptera: Sphingidae). Kramer KJ, et al. **J Biol Chem** 251(16):4979–85, 25 Aug 76
Cytoplasmic receptor protein for etiochalanolone in chick embryo liver. Lane SE, et al. **J Biol Chem** 250(20):8209–13, 25 Oct 75
Liver cytosol corticosteroid binder IB, a new binding protein. Litwack G, et al. **J Biol Chem** 250(17):6799–805, 10 Sep 75
The NSILA-s receptor in liver plasma membranes. Characterization and comparison with the insulin receptor. Megyesi K, et al. **J Biol Chem** 250(23):8990–6, 10 Dec 75
Gonadotropin binding and stimulation of cyclic adenosine 3':5'-monophosphate and testosterone production in isolated Leydig cells. Mendelson C, et al. **J Biol Chem** 250(22):8818–23, 25 Nov 75
Role of carbohydrate of human chorionic gonadotropin in the mechanism of hormone action. Moyle WR, et al. **J Biol Chem** 250(23):9163–9, 10 Dec 75
Corticosteroid-binding proteins in human colostrum and milk and rat milk. Payne DW, et al. **J Biol Chem** 251(17):5272–9, 10 Sep 76
Interaction of the estradiol receptor from calf uterus with its nuclear acceptor sites. Puca GA, et al. **J Biol Chem** 250(16):6452–9, 25 Aug 75
Solubilization of the [8-lysine]vasopressin receptor and adenylate cyclase from pig kidney plasma membranes. Roy C, et al. **J Biol Chem** 250(19):7885–93, 10 Oct 75
Evidence for a phospholipid requirement in the specific binding of glucocorticoids to receptors of fibroblasts and thymic lymphocytes. Schulte HF, et al. **J Biol Chem** 251(8):2279–89, 25 Apr 76
Progesterone-binding components of chick oviduct. In vitro effects of purified hormone-receptor complexes on the initiation of RNA synthesis in chromatin. Schwartz RJ, et al. **J Biol Chem** 251(17):5166–77, 10 Sep 76
Interaction of glucocorticoid receptor–steroid complexes with acceptor sites. Simons SS Jr, et al. **J Biol Chem** 251(2):334–43, 25 Jan 76
Steroid–protein interactions. Stopped flow fluorescence studies of the interaction between steroid hormones and progesterone-binding globulin. Stroupe SD, et al. **J Biol Chem** 250(22):8735–9, 25 Nov 75
Characteristics of a solubilized thyrotropin receptor from bovine thyroid plasma membranes. Tate RL, et al. **J Biol Chem** 250(16):6527–33, 25 Aug 75
Thyrotropin receptors in thyroid plasma membranes. Characteristics of thyrotropin binding and solubilization of thyrotropin receptor activity by tryptic digestion. Tate RL, et al. **J Biol Chem** 250(16):6509–15, 25 Aug 75
Binding and degradation of 125I-insulin by rat hepatocytes. Terris S, et al. **J Biol Chem** 250(21):8389–98, 10 Nov 75
Thyrotropin effects on thyroid cells in culture. Effects of trypsin on the thyrotropin receptor and on thyrotropin-mediated cyclic 3':5'-AMP changes. Winand RJ, et al. **J Biol Chem** 250(16):6534–40, 25 Aug 75
Increased intestinal chromatin template activity. Influence of 1alpha,25-dihydroxyvitamin D3 and hormone-receptor complexes. Zerwekh JE, et al. **J Biol Chem** 251(8):2388–94, 25 Apr 76
Membrane receptors for hormones and neurotransmitters. Kahn CR. **J Cell Biol** 70(2 pt 1):261–86, Aug 76
Serum-free growth of HTC cells containing glucocorticoid- and insulin-inducible tyrosine aminotransferase and cytoplasmic glucocorticoid receptors. Thompson EB, et al. **J Cell Physiol** 86(2 PT 2 SUPPL 1):403–11, Oct 75
Radioreceptor assay of insulin: Comparison of plasma and pancreatic insulins and proinsulins. Gavin JR 3d, et al. **J Clin Endocrinol Metab** 41(3):438–45, Sep 75
Evidence for a specific dihydrotestosterone-binding cytosol receptor in the human prostate. Geller J, et al. **J Clin Endocrinol Metab** 41(5):854–62, Nov 75
Presence of TSH receptor in thyroid neoplasms. Ichikawa Y, et al. **J Clin Endocrinol Metab** 42(2):395–8, Feb 76
Receptor–active growth hormone in Laron dwarfism. Jacobs LS, et al. **J Clin Endocrinol Metab** 42(2):403–6, Feb 76
Increase in numbers of gonadotropin receptors on granulosa cells during follicle maturation. Kammerman S, et al. **J Clin Endocrinol Metab** 41(3):546–50, Sep 75
Progesterone binding by normal and abnormal human endometrium. MacLaughlin DT, et al. **J Clin Endocrinol Metab** 42(4):667–78, Apr 76
Androgen-binding proteins in human benign prostatic hypertrophy. Rosen V, et al. **J Clin Endocrinol Metab** 41(4):761–70, Oct 75
Radioreceptor–inactive growth hormone associated with stimulated secretion in normal subjects. Sneid DS, et al. **J Clin Endocrinol Metab** 41(3):471–4, Sep 75
Radioreceptor assay for insulin. Suzuki K, et al. **J Clin Endocrinol Metab** 42(2):399–402, Feb 76
Effects of progestins on estradiol receptor levels in human endometrium. Tseng L, et al. **J Clin Endocrinol Metab** 41(2):402–4, Aug 75
Aldosterone receptors and the evaluation of plasma mineralocorticoid activity in normal and hypertensive states. Baxter JD, et al. **J Clin Invest** 58(3):579–89, Sep 76
Hormone-sensitive fat cell adenylate cyclase in the rat. Influences of growth, cell size, and aging. Cooper B, et al. **J Clin Invest** 57(1):161–8, Jan 76
Dihydrotestosterone binding by cultured human fibroblasts. Comparison of cells from control subjects and from patients with hereditary male pseudohermaphroditism due to androgen resistance. Griffin JE, et al. **J Clin Invest** 57(5):1342–51, May 76
ACTH and prostaglandin receptors in human adrenocortical tumors. Apparent modification of a specific component of the ACTH-binding site. Saez JM, et al. **J Clin Invest** 56(3):536–47, Sep 75
Insulin receptor deficiency in genetic and acquired obesity. Soli AH, et al. **J Clin Invest** 56(4):769–80, Oct 75
Proceedings: Steroid receptor studies in the dog prostate. Evans CR, et al. **J Endocrinol** 68(3):28P–29P, Mar 76
Proceedings: Specificity of steroid binding by the oestrogen receptor of rat mammary tumours induced by 7,12-dimethylbenz(a)anthracene. Powell-Jones W, et al. **J Endocrinol** 68(3):30P, Mar 76
Proceedings: Receptor mechanisms. Reed JD. **J Endocrinol** 70(1):9P–10P, Jul 76
Cytoplasmic oestrogen receptor complex of female ovine pituitary: changes associated with the reproductive state and oestradiol treatment. Wise PM, et al. **J Endocrinol** 67(3):447–52, Dec 75
Estradiol receptor assay (ERA) in breast cancer. Blaker RG. **J Med Assoc Ga** 65(7):298–9, Jul 76
Estrogen receptor assay in human breast cancer. Korenman SG. **J Natl Cancer Inst** 55(3):543–5, Sep 75
Cytoplasmic oestradiol-binding sites and their relationship to oestradiol content in the endometrium of cattle. Senior BE. **J Reprod Fertil** 44(3):501–11, Sep 75
Genetic regulation of the androgen receptor—a study of testicular feminization in the mouse. Bardin CW, et al. **J Steroid Biochem** 6(3–4):515–20, Mar–Apr 75
Estradiol binding serum proteins in normal and immunized rabbits and their physiological significance. Bhalla V, et al. **J Steroid Biochem** 6(8):1229–34, Aug 75
The influence of androgen receptors on the concentration of androgens in nuclei of hormone-responsive cells. Bruchovsky N, et al. **J Steroid Biochem** 6(5):551–60, May 75
Influence on heating and estradiol of the activation and transformation of the estradiol receptor of the rat uterus. Buchi K, et al. **J Steroid Biochem** 7:539–44, Aug 76
A comparative study of the androgen receptor apparatus in adult rodents. de Moor P, et al. **J Steroid Biochem** 6(3–4):437–42, Mar–Apr 75
Receptor transformation, the key to estrogen action. DeSombre ER, et al. **J Steroid Biochem** 6(3–4):469–73, Mar–Apr 75
Partial purification of glucocorticoid receptor from rat liver using DNA-cellulose. Eisen HJ, et al. **J Steroid Biochem** 6(7):1171–3, Jul 75
Comparison of the binding of [2,4,6,7-3H] estradiol-17beta [E23H] to the immature rat uterus under in vivo, in vitro and 'cell-free' conditions--II. Nuclear binding. Ekka E, et al. **J Steroid Biochem** 7(4):249–54, Apr 76
Comparison of the binding of [2,4,6,7-3H] estradiol-17beta [e23h] to the immature rat uterus under in vivo, in vitro and 'cell-free' conditions--I. Some characteristics of the cytoplasmic estradiol-receptor complex. Ekka E, et al. **J Steroid Biochem** 7(4):241–7, Apr 76
Early events in the action of glucocorticoids in developing tissues. Giannopoulos G. **J Steroid Biochem** 6(5):623–31, May 75 (29 ref.)
A comparative study of receptors for natural and synthetic glucocorticoids in fetal rabbit lung. Giannopoulos G. **J Steroid Biochem** 7:553–9, Aug 76
Occurrence and properties of 17beta-oestradiol receptors in rat brain. Ginsburg M, et al. **J Steroid Biochem** 6(6):989–91, Jun 75
Progesterone-binding properties of microsomes from rat liver. Haukkamaa M. **J Steroid Biochem** 7(5):345–50, May 76
Binding of the estradiol receptor to hen oviduct nuclei and chromatin. Hemminki K. **J Steroid Biochem** 7(5):413–8, May 76
Androgen binding in rat uterus cytosol. Study of the specificity. Heyns W, et al. **J Steroid Biochem** 7(5):335–43, May 76
X-ray conformation of some estrogens and their binding to uterine receptors. Hospital M, et al. **J Steroid Biochem** 6(3–4):221–5, Mar–Apr 75 (16 ref.)
Binding of progesterone, oestradiol and testosterone to human A, C and S erythrocytes and haemoglobins. Ige RO, et al. **J Steroid Biochem** 6(8):1253–6, Aug 75
Oestrogen-induced progesterone receptor in human uterus. Jänne O, et al. **J Steroid Biochem** 6(3–4):501–9, Mar–Apr 75
Estrogen receptor in mammary glands and uterus of rats during pregnancy, lactation and involution. Leung BS, et al. **J Steroid Biochem** 7(2):89–95, Feb 76
Biosynthesis and transformation of microsomal and cytosol estradiol receptors. Little M, et al. **J Steroid Biochem** 6(3–4):493–500, Mar–Apr 75
Steroid hormone receptors in human breast cancer and the clinical significance. Maass H, et al. **J Steroid Biochem** 6(5):743–9, May 75
Putative estrogen and glucocorticoid receptors in the limbic brain. McEwen BS, et al. **J Steroid Biochem** 6(6):971–7, Jun 75 (53 ref.)
Steroids and human breast cancer. McGuire WL, et al. **J Steroid Biochem** 6(5):723–7, May 75 (32 ref.)
Influence of receptor complexes on the properties of prostate chromatin, including its transcription by RNA polymerase. Mainwaring WI, et al. **J Steroid Biochem** 6(3–4):475–81, Mar–Apr 75
Receptor translocation inhibitor and apparent saturability of the nuclear acceptor. Milgrom E, et al. **J Steroid Biochem** 6(3–4):487–92, Mar–Apr 75
A molecular and kinetic analysis of estrogen receptor transformation. Notides AC, et al. **J Steroid Biochem** 6(3–4):483–6, Mar–Apr 75
Formation, nuclear incorporation and enzymatic decomposition of androgen–receptor complex of rat prostate. Nozu K, et al. **J Steroid Biochem** 6(9):1319–23, Sep 75
The role of the androgen-binding nonhistone proteins in the transcription of prostatic chromatin. Nyberg LM, et al. **J Steroid Biochem** 7(4):267–73, Apr 76
Hydroxylapatite 'batch' assay for estrogen receptors: increased sensitivity over present receptor assays. Pavlik EJ, et al. **J Steroid Biochem** 7(5):357–68, May 76
Chromatographic and other properties of the estrogen receptors from human myometrium. Ratajczak T, et al. **J Steroid Biochem** 7(3):185–97, Mar 76
Screening for anti-hormones by receptor studies. Raynaud JP, et al. **J Steroid Biochem** 6(5):615–22, May 75
Oestradiol receptor levels in the human fallopian tube during the menstrual cycle and after menopause. Robertson DM, et al. **J Steroid Biochem** 6(3–4):511–3, Mar–Apr 75
Specific estrogen binding proteins in human cervix. Sanborn BM, et al. **J Steroid Biochem** 6(7):1107–12, Jul 75
Autoradiography of mammary glands and uteri of mice after the injection of [3H]-estradiol. Sar M, et al. **J Steroid Biochem** 7(5):391–4, May 76
Steroid-binding properties of corticosteroid receptors in different target tissues of the rat. Stark E, et al. **J Steroid Biochem** 6(7):1127–30, Jul 75
Dihydrotestosterone–protein binding in the cytosol of rat anterior hypophysis in vitro: evidence for a specific receptor. Thieulant ML, et al. **J Steroid Biochem** 6(8):1257–60, Aug 75
Binding of glucocorticoid hormones in bovine hypothalamic and pituitary cytosol. Watanabe H. **J Steroid Biochem** 6(7):1113–9, Jul 75
Structure and function of cholera toxin and hormone receptors. Bennett V, et al. **J Supramol Struct** 4(1):99–120, 1976
Cooperative properties of hormone receptors in cell membranes. De Meyts P. **J Supramol Struct** 4(2):241–58, 1976
Insulin binding and glucose transport in the R3230AC mammary adenocarcinoma. Harmon JT, et al. **J Supramol Struct** 4(2):233–40, 1976
Hormone receptor mobility and catecholamine binding in membranes. A theoretical model. McGuire RF, et al. **J Supramol Struct** 4(2):259–69, 1976 (42 ref.)
Nonrandom distribution of receptors for melanocyte-stimulating hormone on the surface of mouse melanoma cells. Varga JM, et al. **J Supramol Struct** 4(1):45–9, 1976
Estrogen and estrogen receptors of breast cancer. Sahadevan V, et al. **J Surg Oncol** 7(6):467–77, 1975
Steroid receptors and hormone receptivity. New approaches

in pharmacology and therapeutics. Baulieu EE. **JAMA** 234(4):404–9, 27 Oct 75

Oestrogen receptors in human malignant melanoma. Fisher RI, et al. **Lancet** 2(7981):337–9, 14 Aug 76

Letter: Hormone sensitivity in breast cancer. Hobbs JR, et al. **Lancet** 2(7943):1034–5, 22 Nov 75

Interaction of HLA molecules with non-immunological ligands as an explanation of HLA and disease associations. Svejgaard A, et al. **Lancet** 2(7985):547–9, 11 Sep 76

Levels of epidermal growth factor in mice: tissues measured by a specific radioreceptor assay. Frati L, et al. **Life Sci** 18(9):905–11, 1 May 76

Action of insulin analogues on cultured human fibroblasts reflects biological potency. Hollenberg MD. **Life Sci** 18(5):521–7, 1 Mar 76

Steroid hormone receptors in human malignancy. Lippman M. **Life Sci** 18(2):143–52, 15 Jan 76 (46 ref.)

Hydrocortisone binding receptor in the rat pituitary GH3 cell line. Makover S, et al. **Life Sci** 19(4):549–57, 15 Aug 76

Is there an alternative to the cytoplasmic receptor model for the mechanism of action of steroids? Sheridan PJ. **Life Sci** 17(4):497–502, 15 Aug 75 (68 ref.)

Steroid binding properties of estradiol receptors in human breast cancer. Jänne O, et al. **Med Biol** 53(4):214–23, Aug 75

Interaction of glucocorticoid hormones with rat skeletal muscle: catabolic effects and hormone binding. Mayer M, et al. **Metabolism** 25(2):157–67, Feb 76

Insulin receptors of skeletal muscle: specific insulin binding sites and demonstration of decreased numbers of sites in obese rats. Olefsky J, et al. **Metabolism** 25(2):179–91, Feb 76

Characterization of estrogen-binding proteins in sex steroid target cells growing in long-term culture. Soto AM, et al. **Methods Cell Biol** 13:195–211, 1976

The relation of polypeptide hormone structure and flexibility to receptor binding: the relevance of X-ray studies on insulins, glucagon and human placental lactogen. Pullen RA, et al. **Mol Cell Biochem** 8(1):5–20, 31 Jul 75

Glucocorticoid receptors and lymphocytolysis in normal and neoplastic lymphocytes. Turnell RW, et al. **Mol Cell Biochem** 9(3):175–89, 31 Dec 75

Oestrogen receptor in mammary gland cytosol of virgin, pregnant and lactating mice. Auricchio F, et al. **Mol Cell Endocrinol** 4(1):55–60, Dec 75–Jan 76

LH- and FSH-stimulating of adenylate cyclase in seminiferous tubules from young rats: functional FSH and LH receptors unmasked by homogenization. Braun T, et al. **Mol Cell Endocrinol** 4(3):183–94, Feb 76

Partial purification of the activated hepatic glucocorticoid - receptor complex. Colman PD, et al. **Mol Cell Endocrinol** 5(1–2):33–40, Jun–Jul 76

Similarities between 5alpha-dihydrotestosterone-receptor complexes from human and rat prostatic tissue: effects on RNA polymerase activity. Davies P, et al. **Mol Cell Endocrinol** 3(2):143–64, Aug 75

Impaired Sertoli cell function in experimental cryptorchidism in the rat. Hagenas L, et al. **Mol Cell Endocrinol** 4(1):25–34, Dec 75–Jan 76

The influence of hemolymph-binding protein on juvenile hormone stability and distribution in Manduca sexta fat body and imaginal discs in vitro. Hammock B, et al. **Mol Cell Endocrinol** 3(3):167–84, Sep 75

Further characterization of the androgen receptor in rat testis. McLean WS, et al. **Mol Cell Endocrinol** 4(4):239–55, Mar 76

Ontogenic development of antidiuretic hormone receptors in rat kidney: comparison of hormonal binding and adenylate cyclase activation. Rajerison RM, et al. **Mol Cell Endocrinol** 4(4):271–85, Mar 76

Rapid interaction of prolactin with mouse mammary gland explants. Rillema JA, et al. **Mol Cell Endocrinol** 4(3):131–7, Feb 76

Some properties of androgen-binding activity in rat testis. Sanborn BM, et al. **Mol Cell Endocrinol** 3(2):129–42, Aug 75

Stabilization and characterization of the dexamethasone-binding proteins in rat liver cytosol. Schmid H, et al. **Mol Cell Endocrinol** 5(3–4):223–41, Aug–Sep 76

Androgen-binding proteins in rat epididymis: properties of a cytoplasmic receptor for androgen similar to the androgen receptor in ventral prostate and different from androgen-binding protein (ABP). Tindall DJ, et al. **Mol Cell Endocrinol** 3(2):83–101, Aug 75

Differentiation between steroid hormone receptors CBG and SHBG in human target organ extracts by a single-step assay. Wagner RK, et al. **Mol Cell Endocrinol** 4(1):13–24, Dec 75–Jan 76

The estrogen cytosol receptor of female ovine pituitary. Wise PM, et al. **Mol Cell Endocrinol** 3(5):385–95, Nov 75

The syndromes of insulin resistance and acanthosis nigricans. Insulin-receptor disorders in man. Kahn CR, et al. **N Engl J Med** 294(14):739–45, 1 Apr 76

Editorial: Insulin resistance: new insights. Martin DB. **N Engl J Med** 294(14):778–9, 1 Apr 76

Nuclear retention of receptor-oestrogen complex and nuclear acceptor sites. Clark JH, et al. **Nature** 260(5552):635–7, 15Apr 76

Letter: How specific are nuclear 'receptors' for thyroid hormones? Docter R, et al. **Nature** 259(5541):345–6, 29 Jan 76

Oestradiol receptor of neonatal mouse brain. Fox TO. **Nature** 258(5534):441–4, 4 Dec 75

Increased insulin binding capacity of liver membranes from diabetic Chinese hamsters. Hepp KD, et al. **Nature** 258(5531):154, 13 Nov 75

Immunofluorescence labeling of gonadotropin receptors in enzyme-dispersed interstitial cells. Hsueh AJ, et al. **Nature** 261(5562):710–2, 24 Jun 76

Two sex steriod receptors in mouse fibroblasts in culture. Jung-Testas I, et al. **Nature** 259(5539):136–8, 15 Jan 76

Human breast cancer responsive to androgen in long term tissue culture. Lippman ME, et al. **Nature** 258(5533):339–41, 27 Nov 75

Increase of glucagon receptors in hyperthyroidism. Madsen SN, et al. **Nature** 262(5571):793–5, 26 Aug 76

Independence of beta-adrenergic and thyrotropin receptors linked to adenylate cyclase in the thyroid. Marshall NJ, et al. **Nature** 261(5561):603–4, 17 Jun 76

Receptor-binding region of insulin. Pullen RA, et al. **Nature** 259(5542):369–73, 5 Feb 76

Interaction of multiplication-stimulating activity with chick embryo fibroblasts demonstrates a growth receptor. Rechler MM, et al. **Nature** 259(5539):134–6, 15 Jan 76

Progesterone may act at hypothalamus and pituitary by way of enhancement of oestrogen retention. Reuter LA, et al. **Nature** 262(5571):790–1, 26 Aug 76

Binding of aldosterone by mitochondria-rich cells of the toad urinary bladder. Sapirstein VS, et al. **Nature** 257(5523):241–3, 18 Sep 75

X-ray analysis of glucagon and its relationship to receptor binding. Sasaki K, et al. **Nature** 257(5529):751–7, 30 Oct 75

Relationship between receptor and mammary tumour virus production after stimulation by glucocorticoid. Shyamala G, et al. **Nature** 262(5564):107–12, 8 Jul 76

Chromosomal proteins regulate steroid binding to chromatin. Spelsberg TC, et al. **Nature** 262(5563):65–7, 1 Jul 76

How specific are nuclear 'receptors' for thyroid hormones? Tata JR. **Nature** 257(5521):18–23, 4 Sep 75 (60 ref.)

Role of oestrogen receptor in androgen-induced sexual differentiation of the brain. Westley BR, et al. **Nature** 262(5567):407–8, 29 Jul 76

Human liver glucocorticoid receptors are similar to those in rat liver. Agarwal MK. **Naturwissenschaften** 63(1):50, Jan 76

Receptors and binding sites for polypeptide hormones. Krans HM. **Neth J Med** 17(4–5):248–59, 1974 (96 ref.)

Glucocorticoid binding to adenohypophysis receptors and its physiological role. Koch B, et al. **Neuroendocrinology** 18(4):299–310, 1975

Distribution of estrogen receptors in subfractions of hen oviduct chromatin. Hemminki K. **Nucleic Acids Res** 3(6):1499–506, Jun 76

Insulin receptors, insulin resistance, diabetes and obesity. **Nutr Rev** 34(5):145–8, May 76 (14 ref.)

The role of estrogen receptors in predicting subsequent therapy for recurrent breast cancer. Takeuchi O, et al. **Ohio State Med J** 72(3):153–6, Mar 76

The dynamic properties of biological membranes. Radda GK. **Philos Trans R Soc Lond [Biol]** 272(915):159–71, 6 Nov 75

Androgen insensitivity in man: evidence for genetic heterogeneity. Amrhein JA, et al. **Proc Natl Acad Sci USA** 73(3):891–4, Mar 76

Localization and specificity of binding of subprimate placental lactogen in rabbit tissues. Bolander FF Jr, et al. **Proc Natl Acad Sci USA** 73(8):2932–5, Aug 76

Hormone and neurotransmitter receptors in an established vascular endothelial cell line. Buonassisi V, et al. **Proc Natl Acad Sci USA** 73(5):1612–6, May 76

Hormonal control of meiosis: specificity of the 1-methyladenine receptors in starfish oocytes. Dorée M, et al. **Proc Natl Acad Sci USA** 73(5):1669–73, May 76

Partial purification of a glucocorticoid receptor. Failla D, et al. **Proc Natl Acad Sci USA** 72(10):3849–52, Oct 75

Androgen- and estrogen-binding macromolecules in developing mouse brain: biochemical and genetic evidence. Fox TO. **Proc Natl Acad Sci USA** 72(11):4303–7, Nov 75

Binding of insulin to isolated nuclei. Goldfine ID, et al. **Proc Natl Acad Sci USA** 73(5):1427–31, May 76

Ultrastructural localization of insulin receptors on adipocytes. Jarett L, et al. **Proc Natl Acad Sci USA** 72(9):3526–30, Sep 75

Acceptor proteins in rat androgenic tissue chromatin. Klyzsejko-Stefanowicz L, et al. **Proc Natl Acad Sci USA** 73(6):1954–8, Jun 76

Specific endocrine and hormonal receptor changes associated with liver regeneration in adult rats. Leffert H, et al. **Proc Natl Acad Sci USA** 72(10):4033–6, Oct 75

Thyrotropin-ganglioside interactions and their relationship to the structure and function of thyrotropin receptors. Mullin BR, et al. **Proc Natl Acad Sci USA** 73(3):842–6, Mar 76

Cholera toxin interactions with thyrotropin receptors on thyroid plasma membranes. Mullin BR, et al. **Proc Natl Acad Sci USA** 73(5):1679–83, May 76

Sex differences in binding of human growth hormone to isolated rat hepatocytes. Ranke MB, et al. **Proc Natl Acad Sci USA** 73(3):847–51, Mar 76

Thyroid hormone binding by a component of mitochondrial membrane. Sterling K, et al. **Proc Natl Acad Sci USA** 72(8):3225–9, Aug 75

Effects of estrogen on gene expression in chick oviduct: nuclear receptor levels and initiation of transcription. Tsai SY, et al. **Proc Natl Acad Sci USA** 72(11):4228–32, Nov 75

Alpha-fetoprotein: the major high-affinity estrogen binder in rat uterine cytosols. Uriel J, et al. **Proc Natl Acad Sci USA** 73(5):1452–6, May 76

Association of cell surface receptors for melanotropin with the Golgi region in mouse melanoma cells. Varga JM, et al. **Proc Natl Acad Sci USA** 73(2):559–62, Feb 76

Affinity isolation of cultured tumor cells by means of drugs and hormones covalently bound to glass and Sepharose beads. Venter BR, et al. **Proc Natl Acad Sci USA** 73(6):2013–7, Jun 76

Target cells in bone for parathormone and calcitonin are different: enrichment for each cell type by sequential digestion of mouse calvaria and selective adhesion to polymeric surfaces. Wong GL, et al. **Proc Natl Acad Sci USA** 72(8):3167–71, Aug 75

Progesterone binding in rabbit oviduct and uterus. Muechler EK, et al. **Proc Soc Exp Biol Med** 151(2):275–9, Feb 76

Iodination of liver plasma membranes using lactoperoxidase: effects on adenylate cyclase activity. Pohl SL. **Proc Soc Exp Biol Med** 152(3):327–9, Jul 76

Difference in the number of insulin binding sites between cortisol-sensitive and cortisol-resistant lymphoma P1798 cells. Roldán A, et al. **Proc Soc Exp Biol Med** 151(4):711–5, Apr 76

Regulation of estradiol-binding receptor synthesis at the hypothalamic-pituitary-gonad level in rats. Marton I, et al. **Prog Brain Res** 42:329–30, 1975

Techniques for the study of the biochemical basis of drug action. Lefkowitz RJ, et al. **Prog Cardiovasc Dis** 18(4):309–21, Jan–Feb 76 (84 ref.)

Specific binding of insulin to the unicellular alga Acetabularia mediterranea. Legros F, et al. **Protoplasma** 86(1–3):119–34, 1975

Adenylate cyclase and catecholamine binding in plasma membrane-enriched preparations of cardiac and skeletal muscle. Drummond GI, et al. **Recent Adv Stud Cardiac Struct Metab** 9:161–82, 1976

Influence of thyroid state on the specific binding of noradrenaline to a cardiac particulate fraction and on catecholamine-sensitive cardiac adenylate cyclase activity. Wollenberger A, et al. **Recent Adv Stud Cardiac Struct Metab** 9:193–203, 1976

Hormone receptor complexes and their modulation of membrane function. Cuatrecasas P, et al. **Recent Prog Horm Res** 31:37–94, 1975 (113 ref.)

Studies on the hepatic glucocorticoid receptor and on the hormonal modulation of specific mRNA levels during enzyme induction. Feigelson P, et al. **Recent Prog Horm Res** 31:213–42, 1975 (48 ref.)

Hormone receptors and the control of cyclic AMP metabolism in parental and hybrid somatic cells. Maguire ME, et al. **Recent Prog Horm Res** 32:633–67, 1976

Nuclear receptors and the initiation of thyroid hormone action. Oppenheimer JH, et al. **Recent Prog Horm Res** 32:529–65, 1976 (44 ref.)

Receptors for insulin, NSILA-s, and growth hormone: applications to disease states in man. Roth J, et al. **Recent Prog Horm Res** 31:95–139, 1975 (84 ref.)

Genetic approaches to steroid hormone action. Yamamoto KR, et al. **Recent Prog Horm Res** 32:3–32, 1976 (71 ref.)

Editorial: Hormone receptor research: problems and promises. Fyhrquist F. **Scand J Clin Lab Invest** 35(5):385–90, Sep 75 (27 ref.)

Interactions between hormones and nerve tissue. McEwen BS. **Sci Am** 235(1):48–58, Jul 76

The receptors of steroid hormones. O'Malley BW, et al. **Sci Am** 234(2):32–43, Feb 76

Estrogen receptor in the mammalian liver. Eisenfeld AJ, et al. **Science** 191(4229):862–5, 27 Feb 76

Antibodies that impair insulin receptor binding in an unusual diabetic syndrome with severe insulin resistance. Flier JS, et al. **Science** 190(4209):63–5, 3 Oct 75

Estrogen target sites in the brain of the chick embryo. Martinez-Vargas MC, et al. **Science** 190(4221):1307–8, 26 Dec 75

Characterization of the androgen receptor from a Syrian hamster ductus deferens tumor cell line (DDT1). Norris JS, et al. **Science** 192(4242):898–900, 28 May 76

Insulin binding to cultured human fibroblasts increases with normal and precocious aging. Rosenbloom AL, et al. **Science** 193(4251):412–5, 30 Jul 76

Blockade of prolactin action by an antiserum to its receptors. Shiu RP, et al. **Science** 192(4236):259–61, 16 Apr 76

Progesterone binding to hen oviduct genome: specific versus nonspecific binding. Spelsberg TC, et al. **Science** 194(4261):197–9, 8 Oct 76

Specific progesterone receptors in dimethylbenzanthracene (DMBA)-induced mammary tumors. Asselin J, et al. **Steroids** 27(3):395–404, Mar 76

Methyltrienolone, a specific ligand for cellular androgen receptors. Bonne C, et al. **Steroids** 26(2):227–32, Aug 75

Assay of androgen binding sites by exchange with methyltrienolone (R 1881). Bonne C, et al. **Steroids** 27(4):497–507, Apr 76

Progesterone in the uterus. V. Correlation of the in vitro progesterone metabolism with the progesterone binding in rat uterus. Egert D, et al. **Steroids** 26(6):731–47, Dec 75

Steroid receptors in the human prostate. 1. Estradiol - 17beta binding in benign prostatic hypertrophy. Hawkins EF, et al. **Steroids** 26(4):458–69, Oct 75

MCF-7; a human breast cancer cell line with estrogen, androgen, progesterone, and glucocorticoid receptors. Horwitz KB, et al. **Steroids** 26(6):785–95, Dec 75

Uterine estrogen receptor binding of catecholestrogens and of estetrol (1,3,5(10)-estratriene-3,15alpha,16alpha,17beta-tetrol). Martucci C, et al. **Steroids** 27(3):325–33, Mar 76

Ammonium sulfate precipitation as a tool for the study of androgen receptor proteins in rat prostate and mouse kidney. Verhoeven G, et al. **Steroids** 26(2):149–67, Aug 75

The role of cell receptors in tumor biology. Humphrey LJ. **Surg Gynecol Obstet** 143(2):289–96, Aug 76 (72 ref.)

Steroid receptors and hormone receptivity: new approaches in pharmacology and therapeutics. Baulieu EE. **Triangle** 14(2):47–54, 1975 (47 ref.)

Recent progress in breast cancer: the value of estrogen receptor assays in predicting response to endocrine therapy. Panko WB. **Va Med Mon** 103(4):287–91, Apr 76

Diversity of androgen effects in adulthood : a search for possible causes outside the effector apparatus of the target cells. De Moor P, et al. **Verh K Acad Geneeskd Belg** 37(2):77–102, 1975

Steroid hormone receptors. Baulieu EE, et al. **Vitam Horm** 33:649–736, 1975 (592 ref.)

Androgen receptors in the rat ventral prostate and their hormonal control. Blondeau JP, et al. **Vitam Horm** 33:319–45, 1975 (53 ref.)

Androgen receptors and androgen-dependent initiation of protein synthesis in the prostate. Liao S, et al. **Vitam Horm** 33:297–317, 1975 (57 ref.)

Steroid hormone receptors: a survey. Mainwaring WI. **Vitam Horm** 33:223–45, 1975 (109 ref.)

Testosterone receptors in the prostate and other tissues. Verhoeven G, et al. **Vitam Horm** 33:265–81, 1975 (76 ref.)

Receptor for 5alpha-dihydrotestosterone from Streptomyces hydrogenans. Kurth J, et al. **Zentralbl Bakteriol [Orig A]** 233(3):376–9, Nov 75

[Cellular pathways for mediation of hormonal influences] Huttunen JK, et al. **Duodecim** 91(22):1409–22, 1975 (39 ref.) **(Fin)**

[Adenylate cyclase/Lipase. Hormone receptor induction] Cresteil T, et al. **Biochimie** 57(11–12):1371–6, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Estradiol and progesterone receptors in human endometrium during the menstrual cycle] Bayard F, et al. **C R Acad Sci [D] (Paris)** 281(18):1341–4, 3 Nov 75 **(Fre)**

[Specific receptor for dehydrotestosterone in male rat anterior hypophysis] Mercier L, et al. **C R Acad Sci [D] (Paris)** 279(26):2127–30, 23 Dec 74 **(Fre)**

Secificity of mouse endocervical cell response progesterone: presence of receptors] Reboud S, et al. **C R Acad Sci [D] (Paris)** 280(3):331–4, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Androgen receptors in the cytosol of normal mucosa and of pharyngo–laryngeal epitheliomas in humans] Saez S, et al. **C R Acad Sci [D] (Paris)** 280(7):935–8, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Intracellular processes leading to the induction of insulin membrane receptors. Study on Acetabularia mediterranea] Bourgeois P, et al. **C R Soc Biol (Paris)** 169(3):742–5, 1975 (Eng. Abstr.) **(Fre)**

[Estrogen and progesterone receptors in human breast cancer] pp. 71–81. Raynaud JP, et al. **In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.** (Eng. Abstr.) **(Fre)**

[Estradiol receptors in human breast cancer] pp. 45–55. Sacz S, et al. **In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.** (Eng. Abstr.) **(Fre)**

[Ultrastructural and histochemical study of the zones of the junctions of luteal cells in women. Functional significance] Brassart B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):483–93, Jun 76 (Eng. Abstr.) **(Fre)**

[Hormonal receptors of malignant breast tumors] Heuson JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4 SUPPL 2:207–14, 1975 (Eng. Abstr.) **(Fre)**

[Mode of action of mineralocorticoides: their binding with transcortin and cytoselic renal receptors] Corvol P, et al. **J Urol Nephrol (Paris)** 81(4–5):312–9, Apr–May 75 **(Fre)**

[Steroid hormone receptors in cancerology] Demaille A, et al. **Lille Med** 20(9):817–22, Nov 75 **(Fre)**

[Study of central nervous system fixation of H3 glucocorticoids in rats] Warembourg M. **Lille Med** 20(6):541–7, Jun–Jul 75 **(Fre)**

[Membrane-bound hormone receptors. Physiological and pathological variations] Chevillotte E, et al. **Nouv Presse Med** 4(30):2161, 2163–4, 20 Sep 75 (14 ref.) **(Fre)**

[Androgen binding proteins in human prostatic hyperplasis. Methodological aspects] Dubé JY, et al. **Union Med Can** 104(8):1224–8, Aug 75 **(Fre)**

[Proceedings: Demonstration of androgen receptors in human breast carcinomas] Trams G, et al. **Arch Gynaekol** 219(1–4):172, 18 Nov 75 **(Ger)**

[Receptors for steroid hormones. Physiological and pathogenetical significance] Frowein J, et al. **Dtsch Med Wochenschr** 101(15):589–93, 9 Apr 76 **(Ger)**

[Receptors for polypeptide hormones. Physiologic and pathogenetic significance] Frowein J, et al. **Dtsch Med Wochenschr** 101(16):623–7, 16 Apr 76 **(Ger)**

[Binding of steroid hormones in the prostate] pp. 53–61. Krieg M. **In: Senge T, et al., ed. Physiologie und Pathophysiologie der Prostata. Stuttgart, Thieme, 1975. WJ 750 A664p 1974.** (24 ref.) **(Ger)**

[Translation of hormone receptor interactions into biological function. A hypothesis (author's transl)] Helmreich EJM. **Munch Med Wochenschr** 117(29–30):1215–20, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Topochemistry of hormone action] Karlson P. **Naturwissenschaften** 62(3):126–32, Mar 75 (38 ref.) (Eng. Abstr.) **(Ger)**

[Research on the estradiol receptor in breast cancer] Fumero S, et al. **Cancro** 27(6):353–62, 1974 (Eng. Abstr.) **(Ita)**

[The determination of receptors for estradiol in breast carcinomas and the possibilities of endocrine therapy] Aimone V, et al. **Minerva Ginecol** 27(7):493–504, Jul 75 (Eng. Abstr.) **(Ita)**

[Activating mechanism (progestogen)] Ishihara S, et al. **Clin Endocrinol (Tokyo)** 23(12):1197–202, Dec 75 **(Jpn)**

[Estrogen receptor in target organs and induced proteins in activation mechanism] Kato J. **Clin Endocrinol (Tokyo)** 23(12):1185–95, Dec 75 **(Jpn)**

[Cellular reactions and their abnormalities in hormonal mechanism] Takeda M, et al. **Clin Endocrinol (Tokyo)** 23(9):853–7, Sep 75 **(Jpn)**

[Analysis of hormone receptors by radioreceptor assay and its clinical use] Kosaka K. **Jpn J Clin Med** 34(3):446–56, 1976 (72 ref.) **(Jpn)**

[Hormonal receptors in hormone-dependent tumors] Zimel H. **Stud Cercet Endocrinol** 23(4):285–7, 1972 **(Rum)**

[Characteristics of testosterone-binding cytoplasmic components in the human endometrium and their interaction with chromatin] Iudaev NA, et al. **Biokhimiia** 40(6):1123–30, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[The biological role of estriol] Persianinov LS, et al. **Biull Eksp Biol Med** 79(5):93–6, May 75 (Eng. Abstr.) **(Rus)**

[Nuclear estradiol receptors in several 'non-target' organs of rats] Smirnov AN, et al. **Biull Eksp Biol Med** 81(1):68–70, Jan 76 (Eng. Abstr.) **(Rus)**

[Interaction of insulin with its receptors in muscles: specific binding of insulin-125I by isolated rat diaphragm] Leibush BN. **Dokl Akad Nauk SSSR** 226(4):964–7, 1 Feb 76 **(Rus)**

[Structural forms of cytoplasmic estradiol receptors in the rat uterus, kidneys and liver] Smirnova OV, et al. **Dokl Akad Nauk SSSR** 226(2):474–7, 11 Jan 76 **(Rus)**

[Absorption of testosterone-7 alpha-3H by tissues of organ-targets in male rat embryos] Ivanova EA. **Ontogenez** 6(6):554–62, 1975 (Eng. Abstr.) **(Rus)**

[Peptide hormone reception by a cell and adenylate cyclase activation] Panov MA, et al. **Probl Endokrinol (Mosk)** 21(6):100–12, Nov–Dec 75 **(Rus)**

[Binding of H3-aldosterone to cytoplasmic receptors of the kidney in various functional states of the organ target] Seliatitskaia VG, et al. **Probl Endokrinol (Mosk)** 21(4):78–82, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Transport and receptors of thyroid hormones in organs and tissues] Brtko J, et al. **Cesk Farm** 24(10):441–4, Dec 75 **(Slo)**

[A method of determining the chemical structure of metabolites with biological activity] Mandoki JJ, et al. **Bol Estud Med Biol** Suppl 1:327–34, 1974 **(Spa)**

DRUG EFFECTS

Oestrogen-inducible uterine progesterone receptors. characteristics in the ovariectomized immature and adult hamster. Reel JR, et al. **Acta Endocrinol (Kbh)** 80(2):344–54, Oct 75

Specificity of hormonal responsiveness in vitro. Effect of sex steroids on non-malignant rat cells compared with the effect on cells from rat tumours. Aspegren K. **Acta Pathol Microbiol Scand [A]** 84(2):198–200, Mar 76

Effects of sulfonylurea therapy on insulin binding to mononuclear leukocytes of diabetic patients. Olefsky JM, et al. **Am J Med** 60(1):89–95, Jan 76

Angiotensin II binding to renal glomeruli from sodium-loaded and sodium-depleted rats. Beaufils M, et al. **Am J Physiol** 230(5):1187–93, May 76

Estrogen receptors: markers of hormonal dependence of breast cancer. Herman TS. **Ariz Med** 33(3):198–200, Mar 76

Effects of theophylline on the activation and nuclear translocation of the hepatic glucocorticoid receptor at low temperature. Cake MH, et al. **Biochem Biophys Res Commun** 66(2):828–35, 16 Sep 75

Androgen dependency of the androgen receptor in rat epididymis. Calandra RS, et al. **Biochem Biophys Res Commun** 67(1):97–102, 3 Nov 75

Inhibition of the binding of progesterone receptor to nuclei: effects of o-phenanthroline and rifamycin AF/013. Lohmar PH, et al. **Biochem Biophys Res Commun** 67(1):8–15, 3 Nov 75

Inhibition of estrogen-receptor-DNA interaction by intercalating drugs. André J, et al. **Biochemistry** 15(14):2964–9, 13 Jul 76

Thyrotropin-releasing hormone regulates the number of its own receptors in the GH3 strain of pituitary cells in culture. Hinkle PM, et al. **Biochemistry** 14(17):3845–51, 26 Aug 75

Estrogen binding proteins of calf uterus. Inhibition of aggregation and dissociation of receptor by chemical perturbation with NaSCN. Sica V, et al. **Biochemistry** 15(9):1915–23, 4 May 76

Aflatoxin inhibition of glucocorticoid finding capacity of rat liver nuclei. Kensler TW, et al. **Biochim Biophys Acta** 437(1):200–10, 23 Jun 76

Effect of salicyclic acid on gluccorticoid receptor in cultured fibroblasts derived from rat carrageenin granuloma. Koshihara Y, et al. **Biochim Biophys Acta** 437(1):221–8, 23 Jun 76

Sedimentation behavior of solubilized gonadotropin receptor from plasma membranes of bovine corpus luteum. Thambyrajah V, et al. **Biochim Biophys Acta** 428(1):35–44, 25 Mar 76

Choleragen stimulates steroidogenesis and adenylate cyclase in cells lacking functional hormone receptors. Wolff J, et al. **Biochim Biophys Acta** 413(2):283–90, 1 Dec 75

The properties of a uterine oestradiol-receptor after limited proteolysis. Rat RL, et al. **Biochimie** 56(10):1387–94, 1974

Sex steroids influence LH-RH-receptor interaction. Spona J. **Endocrinol Exp (Bratisl)** 9(3):167–76, Sep 75

Effect of prolactin on LH receptor in rat luteal cells. Holt JA, et al. **Endocrinology** 98(4):1005–13, Apr 76

Control of uterine estrogen receptor levels by progesterone. Hsueh AJ, et al. **Endocrinology** 98(2):438–44, Feb 76

Induction of follicle-stimulating hormone (FSH) receptors in rat ovaries by estrogen priming. Louvet JP, et al. **Endocrinology** 99(3):758–64, Sep 76

Actions of pregnant mare serum gonadotropin in the immature female rat: correlative changes in blood steroids, gonadotropins, and cytoplasmic estradiol receptors of the anterior pituitary and hypothalamus. Parker CR Jr, et al. **Endocrinology** 98(1):129–38, Jan 76

Interaction of spironolactone and digitalis with the 5 alpha-dihydrotestosterone (DHT) receptor of rat ventral prostate. Pita JC Jr, et al. **Endocrinology** 97(6):1521–7, Dec 75

Estradiol receptor content in rat granulosa cells during follicular development: modification by estradiol and gonadotropins. Richards JS. **Endocrinology** 97(5):1174–84, Nov 75

Reductions in glucocorticoid inhibition of glucose oxidation and presumptive glucocorticoid receptor content in rat adipocytes during aging. Roth GS, et al. **Endocrinology** 99(3):831–9, Sep 76

Androgen-uterine interaction: nuclear translocation of the estrogen receptor and induction of the synthesis of the uterine-induced protein (IP) by high concentrations of androgens in vitro but not in vivo. Schmidt WN, et al. **Endocrinology** 98(3):702–16, Mar 76

Concerning the hormonal regulation of androgen binding protein in rat testis. Tindall DJ, et al. **Endocrinology** 99(3):809–18, Sep 76

Characterization of an inhibitor for luteinizing hormone receptor site binding. Yang KP, et al. **Endocrinology** 98(1):233–41, Jan 76

Role of sodium and potassium in aldosterone binding of kidney receptors in the rat. Hraschek A, et al. **Endokrinologie** 64(3):311–5, 1975

Interactions of 17beta-estradiol and L-norepinephrine on the rat uterus. Pedroza E, et al. **Horm Res** 6(4):193–8, 1975

Hormonal control of liver prolactin receptors. pp. 321–35. Kelly PA, et al. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.** (27 ref.)

Gonadotropin-receptor activity and granulosa-luteal cell differentiation. pp. 416–29. Midgley AR Jr, et al. **In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 1605g 1973.**

Prolactin releasers and their receptor mechanism. pp. 60–4. Sulman FG, et al. **In: Pasteels JL, et al., ed. Human prolactin. Amsterdam, Excerpta Medica, 1973. W3 EX89 n.308 1973.** (7 ref.)

Neuroendocrine effects of psychotropic drugs. pp. 145–51. Wurtman RJ, et al. **In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.** (30 ref.)

Competitive antagonists of angiotensin II: inhibition of receptor binding and aldosterone production in dispersed adrenal cells. pp. 425–39. Catt KJ, et al. **In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.** (29 ref.)

1 sar, 8-ala angiotensin II's effect on renal, adrenal and vascular receptors in man. Its usefulness in screening for renal and adrenal diseases. pp. 531–47. Williams GH, et al. **In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.**

Receptor transformation—a key step in estrogen action. pp. 211–27. Jensen EV, et al. **In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Insulin-induced reduction of membrane receptor concentrations in isolated fat cells and lymphocytes. Independence from receptor occupation and possible relation to proteolytic activity of insulin. Huang D, et al. **J Biol Chem** 250(20):8251–9, 25 Oct 75

Effect of estrogen on gene expression in the chick oviduct. Correlation between nuclear-bound estrogen receptor and chromatin initiation site for transcription. Kalimi M, et al. **J Biol Chem** 251(2):516–23, 25 Jan 76

Regulation of receptor concentration by homologous hormone. Effect of human growth hormone on its receptor

in IM-9 lymphocytes. Lesniak MA, et al. **J Biol Chem** 251(12):3720–9, 25 Jun 76

Thyroid-stimulating hormone binding to beef thyroid membranes. Role of N-acetylneuraminic acid. Moore WV, et al. **J Biol Chem** 251(14):4247–53, 25 Jul 76

Progesterone-binding components of chick oviduct. In vitro effects of purified hormone-receptor complexes on the initiation of RNA synthesis in chromatin. Schwartz RJ, et al. **J Biol Chem** 251(17):5166–77, 10 Sep 76

Metal ion dependence of the binding of triiodothyronine by cytosol proteins of bullfrog tadpole tissues. Yoshizato K, et al. **J Biol Chem** 250(21):8337–43, 10 Nov 75

Proceedings: A selective action of clomophene upon central and peripheral oestrogen cytoplasmic receptors. Morris ID, et al. **J Endocrinol** 68(3):29P, Mar 76

Comparison of the characteristics and of the hormonal control of endometrial and myometrial progesterone receptors. Thi MT, et al. **J Endocrinol** 66(3):349–56, Sep 75

Estradiol receptor in uterine tissue from neonatal mice. Influence by cyclic AMP. Eide A, et al. **J Steroid Biochem** 6(7):1121–5, Jul 75

16alpha, 18-Dihydroxydeoxycorticosterone and the binding of aldosterone to mineralocorticoid receptors in kidney of adrenalectomized rats. Fuller PJ, et al. **J Steroid Biochem** 7(5):387–90, May 76

Effect of salt on reversibility of glucocorticoid receptor binding. Krieger NS, et al. **J Steroid Biochem** 7(5):395–9, May 76

Modulation of estrogen receptors in four different target tissues: differential effects of estrogen vs progesterone. Pavlik EJ, et al. **J Steroid Biochem** 7(5):369–76, May 76

Intracellular localization of estrogens in chick liver: increase of the binding sites for the hormone on repeated treatment of the birds with the hormone. Sen KK, et al. **J Steroid Biochem** 6(8):1223–7, Aug 75

Estrogen-receptor binding: relationship to estrogen-induced responses. Clark JH, et al. **J Toxicol Environ Health** 1(4):561–86, Mar 76

Prolactin stimulation of prolactin receptors in rat liver. Costlow ME, et al. **Life Sci** 17(9):1457–65, 1 Nov 75

The effect of hormones on glucocorticoid binding capacity of rat liver cytosol. Rouse IL, et al. **Life Sci** 17(10):1571–8, 15 Nov 75

In vivo effect of anti-estrogens on the localisation and replenishment of estrogen receptor. Capony F, et al. **Mol Cell Endocrinol** 3(3):233–51, Sep 75

Influence of steroid-receptor complexes on transcription by human hypertrophied prostatic RNA polymerases. Davies P, et al. **Mol Cell Endocrinol** 5(3–4):269–88, Aug–Sep 76

Mechanism of nucleotide inhibition of gonadotropin binding to cell membranes of bovine corpus luteum. Rao CV. **Mol Cell Endocrinol** 3(4):255–71, Oct 75

Effect of estrogen plasma binding on sexual differentiation of the rat fetus. Vannier B, et al. **Mol Cell Endocrinol** 3(5):323–37, Nov 75

Effect of oestrogen antagonist on hypothalamic oestrogen receptors. Whalen RE, et al. **Nature** 258(5537):742–3, 25 Dec 75

Cephalic angiotensin receptors mediating drinking to systemic angiotensin II. Johnson AK, et al. **Pharmacol Biochem Behav** 3(6):1077–84, Nov–Dec 75

Effect of chemical inactivating agents on glucocorticoid receptor proteins in mouse and hamster cells. Young HA, et al. **Proc Natl Acad Sci USA** 72(8):3060–4, Aug 75

Estrogen receptor in rat liver and its dependence on prolactin. Chamness GC, et al. **Steroids** 26(3):363–71, Sep 75

(3H)-estradiol binding by chick liver nuclear extracts: mechanism of increase in binding following estradiol injection. Lazier C. **Steroids** 26(3):281–98, Sep 75

Characterization of the androgen receptors in the hypothalamus, preoptic area and brain cortex of the rat. Naess O. **Steroids** 27(2):167–85, Feb 76

Inhibition of (3H) prostaglandin F2alpha binding to its receptors by progesterone. Rao CV. **Steroids** 27(6):831–43, Jun 76

Existence of receptors bound to endogenous estradiol in breast cancers of premenopausal and postmenopausal women. Sakai F, et al. **Steroids** 27(1):99–110, Jan 76

[The effect of metallic ions on steroid hormone receptors in the rabbit uterus (author's transl)] Tamaya T, et al. **Folia Endocrinol Jpn** 51(10):856–63, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

[Estrogen receptors in advanced breast cancer] Viladiú P, et al. **Rev Clin Esp** 140(2):139–44, 31 Jan 76 (Eng. Abstr.) **(Spa)**

RECEPTORS, NEURAL

Neurons with simple organization of the receptive field in the cat visual area 18. Sanseverino ER, et al. **Arch Sci Biol (Bologna)** 58(1–4):1–2, Jan–Dec 74

Specific binding of covalently cross-linked mouse nerve growth factor to responsive peripheral neurons. Pulliam MW, et al. **Biochem Biophys Res Commun** 67(4):1281–9, 15 Dec 75

Anomalous organization of thalamocortical projections consequent to vibrissae removal in the newborn rat and mouse. Killackey HP, et al. **Brain Res** 104(2):309–15, 12 Mar 76

The form and function of cnidarian spirocysts. 1. Ultrastructure of the capsule exterior and relationship to the tentacle sensory surface. Mariscal RN, et al. **Cell Tissue Res** 168(4):465–74, 26 May 76

Physiological properties of electroreceptors of marine skates. Akoev GN, et al. **Comp Biochem Physiol [A]** 53(2):201–9, 1976

Relative distribution of types A and B atrial receptors in dogs, cats, monkeys and rabbits. Rao PS, et al. **Experientia** 31(10):1174–5, 15 Oct 75

Letter: Glucoreceptor deficiency in diabetes. Asplund K. **Lancet** 1(7956):418, 21 Feb 76

Warm receptors in the dorsal abdominal wall of the rabbit. Riedel W. **Pfluegers Arch** 361(2):205–6, 30 Jan 76

The effect of lung reflexes on the pattern of breathing in cats. Winning AJ, et al. **Respir Physiol** 27(2):253–66, Aug 76

Ultrastructural changes in an unciliated sensory receptor during activation of the metacestode of Hymenolepis microstoma. Webb RA, et al. **Tissue Cell** 7(3):519–24, 1975

[Labyrinthine areflexias and nystagmus of otolithic origin] Secretan JP. **Rev Otoneuroophtalmol** 47(5):427–9, Oct–Dec 75 **(Fre)**

[Research on the neurohumoral regulation of the circulation. Cardiovascular and respiratory reflex responses after chemical stimulation of vascular receptors in the femoral circulation region] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(7):749–74, 1974 (Eng. Abstr.) **(Ita)**

[Innervation of the substance of the brain] Erkhov IS. **Zh Nevropatol Psikhiatr** 16(1):75–7, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Some peculiarities of the environment surrounding mechano- and electroreceptors of the acoustico-lateral system in the ray Raja clavata] Krasnikova TL. **Zh Evol Biokhim Fiziol** 11(4):365–70, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Proceedings: An additional trigeminal system in certain snakes possessing infra-red receptors. Molenaar GJ. **Acta Morphol Neerl Scand** 13(4):314–5, Dec 75

Muscle receptor organs (MRO) in Isopoda (Crustacea) — histological observations. Moser H. **Mikroskopie** 31(11–12):350–62, Feb 76

The structure and function of the infrared receptors of snakes. Goris RC, et al. **Prog Brain Res** 43:159–70, 1976

[The technic of 'sensorimotor' differentiated fascicular suture of peripheral nerves] Freilinger G, et al. **Handchirurgie** 7(3):133–7, 1975 (Eng. Abstr.) **(Ger)**

[Structure of the sensory neural apparatus of the common carotid artery in reptiles] Morozov EK. **Arkh Anat Gistol Embriol** 68(5):57–61, May 75 (Eng. Abstr.) **(Rus)**

[Neuroarchitecture of the periodontal ligament and its functional significance] Stella A. **Zentralbl Veterinaermed [C]** 4(3):223–31, Sep 75 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Comparative histological investigation of receptor structures in aortic wall of some vertebrate representatives. Nanov S. **Folia Morphol (Praha)** 23(4):326–9, 1975

Morphometric study of fine structure of living receptor by cinemicroscopic technique. Levkovich YI, et al. **Prog Brain Res** 43:95–102, 1976

Living interoceptor structure. Mayorov VN. **Prog Brain Res** 43:89–94, 1976

DRUG EFFECTS

Effect of the H2-receptor antagonist metiamide on carbachol- and histamine-induced gastric acid secretion in the Atlantic cod,Gadus morhua. Holstein B. **Acta Physiol Scand** 97(2):189–95, Jun 76

Sensory effects of capsaicin congeners. Part II: Importance of chemical structure and pungency in desensitizing activity of capsaicin-type compounds. Szolcsányi J, et al. **Arzneim Forsch** 26(1):33–7, 1976

Inhibition by ethanol of noradrenaline output from peripheral sympathetic nerves: possible interaction of ethanol with neuronal receptors. Göthert M, et al. **Eur J Pharmacol** 37(2):321–8, Jun 76

The importance of sensory nerve endings as sites of drug action. Ginzel KH. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):29–56, 6 May 75 (95 ref.)

Inhibition of the action of bradykinin and acetylcholine on paravascular pain receptors by tetrodotoxin and procaine. Juan H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(4):389–95, 15 Oct 75

[Rapid and prolonged facilitation of stereotyped motor behavior (verticalization) induced by apomorphine in mice previously submitted to stimulation of dopaminergic receptors] Costentin J, et al. **C R Acad Sci [D] (Paris)** 282(9):913–6, 1 Mar 76 (Eng. Abstr.) **(Fre)**

[Correlations between cellular organic polycations and the electrical activity of sensory receptor formations] Rapuzzi G, et al. **Arch Sci Biol (Bologna)** 58(1–4):37–48, Jan–Dec 74 (Eng. Abstr.) **(Ita)**

[Local use of neomycin. The histomorphological changes on the part of the neuroreceptor apparatus of the rabbit cornea] Verzin AA, et al. **Antibiotiki** 21(1):79–81, Jan 76 (Eng. Abstr.) **(Rus)**

[The effect of sodium, potassium and calcium ions on the functional characteristics of catfish electroreceptors] Zhadan GG, et al. **Neirofiziologiia** 7(4):403–10, 1975 (Eng. Abstr.) **(Rus)**

[Dynamics of ultrastructural changes of the receptor cells and the stria vascularis of the cochlea under conditions of chronic streptomycin poisoning] Preobrazhenskiĭ NA, et al. **Vestn Otorinolaringol** (6):48–56, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Differenciation of electroreceptors in Marcusenius sp. (Mormyrides) and Eigenmannia virescens (Gymnotides), electric fishes with weak discharges] Kirschbaum F, et al. **C R Acad Sci [D] (Paris)** 281(5–8):419–22, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Enzyme activity during the metabolism of glycogen. I. Demonstration of phosphorylases in the sensory cells of the tuberous organ of Gnathonemus petersii (Mormyridae). Histochemical and ultrastructural methods. Denizot JP. **Histochemistry** 45(4):319–29, 19 Dec 75

[The technic of 'sensorimotor' differentiated fascicular suture of peripheral nerves] Freilinger G, et al. **Handchirurgie** 7(3):133–7, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

Incorporation of radioactive calcium into otolithic membranes and middle ear ossicles of the gerbil. Preston RE, et al. **Acta Otolaryngol (Stockh)** 80(3–4):269–75, Sep–Oct 75

Affinity of Noradrenaline and dopamine for neural alpha-receptors mediating negative feedback control of noradrenaline secretion in human vasoconstrictor nerves. Stjärne L, et al. **Acta Physiol Scand** 95(1):89–94, Sep 75

[Mechanism of the primary process of smell. Study of the interaction of some dyes and preparations of the olfactory receptors of frogs] Korolev AM. **Biol Nauki** (8):23–9, 1975 **(Rus)**

PHYSIOLOGY

Recent advances on the neurophysiological bases of pain sensation. Albe-Fessard D, et al. **Acta Neurobiol Exp (Warsz)** 35(5–6):715–40, 1975 (77 ref.)

Neural control of cochlear blood flow. Suga F. **Acta Otolaryngol (Stockh)** 81(1–2):26–35, Jan–Feb 76

Multiday recordings from the primary neurons of the statoreceptors of the labyrinth of the bull frog. The effect of an extended period of 'weightlessness' on the rate of firing at rest and in response to stimulation by brief periods of centrifugation (OFO-A orbiting experiment). Bracchi F, et al. **Acta Otolaryngol [Suppl] (Stockh)** (334):1–27, 1975

On the stimulation of histamine receptors in heart muscle. De Gracia BP, et al. **Acta Physiol Lat Am** 24(4):356–64, 1974

Interaction between the hypothalamic defence reaction and cardiac ventricular receptor reflexes. Wennergren G, et al. **Acta Physiol Scand** 96(4):532–47, Apr 76

Mechanism of decrease in plasma renin activity during volume expansion. Stitzer SO, et al. **Am J Physiol** 230(6):1550–4, Jun 76

Proceedings: Cerebral somatosensory averaged evoked potentials in the unrestrained dutch rabbit. Colin F, et al. **Arch Int Physiol Biochim** 83(2):333–4, May 75

Proceedings: Atrial receptors and a possible naturally occurring diuretic agent. Kappagoda CT, et al. **Br Heart J** 38(3):318–9, Mar 76

Key problems in the programming of movements. Panel discussion. **Brain Res** 71(2–3):535–68, 17 May 74

Fatigue and adaptation in unmyelinated (C) polymodal nociceptors to mechanical and thermal stimuli applied to the monkey's face. Beitel RE, et al. **Brain Res** 112(2):402–6, 13 Aug 76

Muscle receptors with group IV afferent fibres responding to application of bradykinin. Franz M, et al. **Brain Res** 92(3):369–83, 18 Jul 75

Sensory requirements for the lordosis reflex in female rats. Kow LM. **Brain Res** 101(1):47–66, 9 Jan 76

The polymodal C-fiber receptor in the muscle of the dog. Kumazawa T, et al. **Brain Res** 101(3):589–93, 23 Jan 76

Changes in pyramidal cell density consequent to vibrissae removal in the newborn rat. Ryugo DK, et al. **Brain Res** 96(1):82–7, 10 Oct 75

Receptive area of an infrared tectal unit. Terashima SI, et al. **Brain Res** 101(1):155–9, 9 Jan 76

Afferent neural pathway in the regulation of cardiopulmonary responses to tissue hypermetabolism. Liang CS, et al. **Circ Res** 38(3):209–14, Mar 76

Atrial receptors with nonmedullated vagal afferents in the cat. Discharge frequency and pattern in relation to atrial pressure. Thorén PN. **Circ Res** 38(5):357–62, May 76

Role of heart and lung receptors with nonmedullated vagal afferents in circulatory control. Thorén PN, et al. **Circ Res** 38(6 Suppl 2):2–9, Jun 76 (48 ref.)

Effects of cholinergic agonists and antagonists on frog cutaneous cold receptors. Spray DC, et al. **Comp Biochem Physiol [C]** 50(1):97–103, 1 Jan 75

Heterogeneity of motor units activating single Golgi tendon organs in cat leg muscles. Jami L, et al. **Exp Brain Res** 24(5):485–93, 15 Mar 76

Recent advances in the physiology of muscle receptors. pp.

16–41. Eldred E.
In: Buerger AA, Tobis JS, ed. Neurophysiologic aspects of rehabilitation medicine. Springfield, Ill., Thomas, 1976. WL 102 I615n 1974. (53 ref.)
Transmission at receptor synapses. pp. 345–66. Bennett MV.

In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.
6-Hydroxydopamine-induced dopaminergic receptor supersensitivity: studies with D- and L-dopa. pp. 343–7. Moore KE, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.
Cutaneous thermoreceptors and thermal nociceptors. pp. 5–22. Iggo A, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975 (44 ref.)
Some comparative observations on vertebrate somatosensory function. pp. 161–7. McIntyre AK.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Some actions and interactions of visceral and somatic afferents in the thoracic spinal cord. pp. 227–38. Weber WV.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Central dopamine neurons and sensory processing. pp. 149–50. Ungerstedt U, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.
The recruitment order of motor units and its significance for the behaviour of tendon organs during normal muscle activity. pp. 37–47. Stuart DG, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.
The influence of environmental lighting on the amphibian pars intermedia: receptors and possible pathways. Dawson DC. **Int J Biometeorol** 19(4):246–54, Dec 75
Central noradrenergic neurons: differential effects on body weight of electrolytic and 6-hydroxydopamine lesions in rats. Lorden J, et al. **J Comp Physiol Psychol** 90(2):144–55, Feb 76
Nervous control of respiration: oxygen-sensitive elements in the prosoma of Limulus polyphemus. Thompson C, et al. **J Exp Biol** 62(3):545–54, Jun 75
Gustatory hairs on the mosquito, Culiseta inornata. Pappas LG, et al. **J Exp Zool** 196(3):351–60, Jun 76
Evidence for Ca2+ control of the transducer mechanism in crayfish stretch receptor. Chaplain RA. **J Membr Biol** 21(3–4):335–51, 22 May 75
Response of Nitella internodal cell to chemical stimulation. A model for olfactory receptor system. Ueda T, et al. **J Membr Biol** 25(3–4):271–84, 1975–76
An analysis of the representation of the forelimb in the ventrobasal thalamic complex of the albino rat. Angel A, et al. **J Physiol (Lond)** 249(2):399–423, Jul 75
Atrial receptors and heart rate: the efferent pathway. Kappagoda CT, et al. **J Physiol (Lond)** 249(3):581–90, Aug 75
Proceedings: Osmoreception and thirst in the dog. Ramsay DJ, et al. **J Physiol (Lond)** 252(2):55P–56P, Nov 75
Proceedings: Afferent synaptic transmission in the electric receptor organ of Teleost. Higuchi T, et al. **J Physiol Soc Jpn** 36(8–9):309–10, 1 Sep 74
Square-wave striker for locomotor cilia and sensory cells. Jarman M, et al. **Med Biol Eng** 12(5):727–9, Sep 74
Receptor dynamics using correlation techniques. Ponte J, et al. **Med Biol Eng** 12(6):792–9, Nov 74
Correlation of electrical and mechanical responses in nervous control of cilia. Murakami A, et al. **Nature** 257(5521):48–9, 4 Sep 75
Antennal receptor response to sex pheromone mimics in the American cockroach. Washio H, et al. **Nature** 262(5568):487–9, 5 Aug 76
Influence of receptor-receptor fibres on the spontaneous afferent activity from semicircular canals in the frog (Rana esculenta). Caston J, et al. **Pfluegers Arch** 358(1):81–8, 9 Jul 75
Differential thermosensitivity and electric prepolarization of the ampullae of Lorenzini. Nier K, et al. **Pfluegers Arch** 363(3):181–5, 22 Jun 76
Tissue receptors. Historical scope. Modern view. Perspectives. Chernigovsky VN. **Prog Brain Res** 43:3–14, 1976
The effect of focused ultrasound on the skin and deep nerve structures of man and animal. Gavrilov LR, et al. **Prog Brain Res** 43:279–92, 1976
Sensitization of high threshold receptors with unmyelinated (C) afferent fibers. Perl ER, et al. **Prog Brain Res** 43:263–77, 1976
Electrophysiology of snake infrared receptors. Terashima SI, et al. **Prog Neurobiol** 2:311–32, 1975
Behavioral and electrophysiological studies of radiation detection in a freshwater crustacean. Rodriguez A, et al. **Radiat Res** 66(1):134–46, Apr 76
Localization of irritant receptors in the airways of the dog. Mortola J, et al. **Respir Physiol** 24(1):107–14, Jun 75
Properties of 'irritant' receptors in canine lung. Sampson SR, et al. **Respir Physiol** 25(1):9–22, Oct 75
A model of pheromone molecule-acceptor interactin. Kafka WA, et al. **Z Naturforsch [C]** 30(2):278–2, Mar–Apr 75
Structure-response relationships in noctuid sex pheromone reception. An introductory report. Priesner E, et al. **Z Naturforsch [C]** 30(2):283–93, Mar–Apr 75
[Convergence of ectero- and proprioceptive impulses on single neurons of the somatic portion of the posterior thalamic group] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23–24):2139–41, 30 Dec 74 **(Ita)**
[Proceedings: Reactions between GABA and neural receptors] Akiyama T. **J Physiol Soc Jpn** 36(8–9):339–40, 1 Sep 74 **(Jpn)**
[Proceedings: Nature of receptors receiving impulses from the muscle via afferent neurons] Kumazawa T, et al. **J Physiol Soc Jpn** 36(8–9):307–8, 1 Sep 74 **(Jpn)**
[Proceedings: Responses of tongue mucosal receptors in rats to spices] Okuni Y, et al. **J Physiol Soc Jpn** 36(8–9):313, 1 Sep 74 **(Jpn)**
[Proceedings: Afferent impulse receptors of joints of crickets] Tojo Y, et al. **J Physiol Soc Jpn** 36(8–9):308, 1 Sep 74 **(Jpn)**
[Honeybee phonoreceptors] Es'kov EK. **Biofizika** 20(4):646–51, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[A method of determining thresholds for electrocutaneous stimulation of rabbits during long-term observations] Shevelev NA, et al. **Biol Nauki** (4):136–9, 1975 **(Rus)**
[Role of interoceptive signalization in modulating emotional-behavioral responses] Emel'ianenko IV, et al. **Biull Eksp Biol Med** 81(3):264–6, Mar 76 (Eng. Abstr.) **(Rus)**
[The role of catecholamines in the centrifugal regulation of taste receptors] Esakov AI, et al. **Biull Eksp Biol Med** 79(5):8–11, May 75 (Eng. Abstr.) **(Rus)**
[Interrelationship of the mediator receptors in the terminals of the afferent nerves of the cornea of the eye] Sliusar' NG, et al. **Biull Eksp Biol Med** 79(4):16–8, Apr 75 (Eng. Abstr.) **(Rus)**
[Several features of pulmonary receptors] Frankshtein SI, et al. **Fiziol Zh SSSR** 62(7):1036–8, Jul 76 (Eng. Abstr.) **(Rus)**
[Magnetic field perception by the electroreceptor system of fish] Andrianov IuN, et al. **Neirofiziologiia** 7(4):434–6, 1975 (Eng. Abstr.) **(Rus)**
[Morphofunctional features of the catfish lateral line analyzer] Andrianov IuN, et al. **Neirofiziologiia** 7(2):203–7, 1975 **(Rus)**
[Several characteristics of the impulse reactions of crayfish receptor neurons to stimuli of different intensity] Choraian OG, et al. **Neirofiziologiia** 7(4):411–5, 1975 (Eng. Abstr.) **(Rus)**
[Achievements and problems in the physiology of digestive tract receptors] Nozdrachev AD. **Usp Fiziol Nauk** 7(2):43–68, Apr–May 76 (143 ref.) **(Rus)**
[The problem of the formation and regeneration of receptors in vertebrate animals] Il'inskiĭ OB, et al. **Usp Sovrem Biol** 80(3):441–58, Nov–Dec 75 (155 ref.) **(Rus)**
[Functional features of wind-sensitive receptors triggering the wing muscle neurons of the desert locust, Calliptamus barbarus] Karelin IuA, et al. **Zh Evol Biokhim Fiziol** 12(1):44–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Interneuronal contacts and propagation mechanism in paired receptors of the propo-dactylopodite organ of the crayfish Astacus leptodactylis] Moroz PE, et al. **Zh Evol Biokhim Fiziol** 11(4):383–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Some neural mechanisms of pain sensation. Taub A. **Compr Ther** 1(6):12–9, Oct 75
Sensitization of pain receptors of dog knee joint by prostaglandins. pp. 189–95. Moncada S, et al.
In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.
[2 reflex stages in equilibrium provoked by the proprioceptors of the ocular muscles. Analysis using Fukuda's step test and the orthostatic reflex test] Ushio N, et al. **Agressologie** 16 Spec No D:39–52, 1975 (Eng. Abstr.) **(Fre)**
[Electric reaction of the cochlea to the administration of ototoxic antibiotics into the scala tympani and the endolymphatic duct (experimental study)] Mazo IL. **Vestn Otorinolaringol** (3):13–6, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Results of the study of corneal sensitivity in patients with hypertension] Radzikhovskiĭ BL, et al. **Vrach Delo** (1):31–5, Jan 74 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Experimental studies on the nerve—sensory cell relationship during degeneration and regeneration in ampullar nerves of the frog labyrinth. Gleisner L, et al. **Acta Otolaryngol [Suppl] (Stockh)** (333):1–28, 1975
The postantennal organ: a specialized unicellular sensory input to the protocerebrum in apterygotan insects (Collembola). Altner H, et al. **Cell Tissue Res** 167(1):97–110, 5 Mar 76
Some hazards in the interpretation of the pattern of structure in lamellated receptors. pp. 200–3. Quilliam TA.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Evidence for the existence of different receptor sites for algesic agents at the endings of muscular group IV afferent units. Hiss E, et al. **Pfluegers Arch** 362(2):141–6, 30 Mar 76
Receptor synapses without synaptic ribbons in the cochlea of the cat. Dunn RA, et al. **Proc Natl Acad Sci USA** 72(9):3599–603, Sep 75
Morphological basis of sensation in hairy skin. Cauna N. **Prog Brain Res** 43:35–45, 1976
[Scanning electron microscopy findings on olfactory receptors] Breipohl W, et al. **Verh Anat Ges** 68:793–7, 1974 **(Ger)**
[Scanning microscopy findings on optic receptors] Breipohl W, et al. **Verh Anat Ges** 68:787–92, 1974 **(Ger)**
[The origin and possible role of microvesicles in olfactory receptor cells] Bakhtin EK. **Tsitologiia** 17(8):898–901, Aug 75 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the vestibular apparatus receptor structures in the guinea pig after adequate stimulations] Koĭchev KA. **Zh Evol Biokhim Fiziol** 11(6):601–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

RECEPTORS, STRETCH see **MECHANORECEPTORS**

RECKLINGHAUSEN'S DISEASE OF BONE see **OSTEITIS FIBROSA CYSTICA**

RECKLINGHAUSEN'S DISEASE OF NERVE see **NEUROFIBROMATOSIS**

RECOMBINATION, GENETIC

Genetics of the Rh-Hr locus in humans. Zaidi SS, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):137–44, 1975
Effect of ts mutation in gene 43 of bacteriophage T4 on recombination of the bacteriophage. Klimuszko D, et al. **Acta Microbiol Pol [A]** 8(1):3–16, 1976
Changes in the biochemical properties of Shigella flexneri 1a as a result of recombination with Escherichia coli K12. Mróz E, et al. **Acta Microbiol Pol [A]** 7(4):221–8, 1975
Age trends in human chiasma frequencies and recombination fractions. II. Method for analyzing recombination fractions and applications to the ABO:nail–patella linkage. Elston RC, et al. **Am J Hum Genet** 28(01):69–76, Jan 76
Reflections on issues poised by recombinant DNA molecule technology. III. Capron AM. **Ann NY Acad Sci** 265:71–81, 1976
Reflections and speculations on the regulation of molecular genetic research. Glick JL. **Ann NY Acad Sci** 265:178–92, 1976
The prospects for gene therapy in humans. Morrow JF. **Ann NY Acad Sci** 265:13–21, 1976
Reflections on issues posed by recombinant DNA molecule technology. I. Robin R. **Ann NY Acad Sci** 265:59–65, 1976
Molecular and genetic recombination of bacteriophage T4. Broker TR, et al. **Annu Rev Genet** 9:213–44, 1975 (182 ref.)
Synaptonemal complex and chromosome structure. Gillies CB. **Annu Rev Genet** 9:91–109, 1975 (128 ref.)
Some aspects of recombination in eukaryotic organisms. Hastings PJ. **Annu Rev Genet** 9:129–44, 1975 (67 ref.)
Genetic control of development of the cellular slime mold, Dictyostelium discoideum. Jacobson A, et al. **Annu Rev Genet** 9:145–85, 1975 (294 ref.)
Parasexual approaches to the genetics of man. Ruddle FH, et al. **Annu Rev Genet** 9:407–86, 1975 (431 ref.)
Replication and molecular recombination of T-phage. Miller RC Jr. **Annu Rev Microbiol** 29:355–76, 1975
Comparative serologic analysis of Lac+ recombinants of serotypes 2a, 2b, 5a and variant Y of Shigella flexneri. Kolodyński J, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):309–13, 1975
Immunochemical studies on the serotype of Shigella flexneri and its recombinant. Lugowski C, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):305–8, 1975
Proceedings: Effect of recL mutation on intragenic recombination in Escherichia coli K-12. Freundlich HG. **Arch Int Physiol Biochim** 83(2):363–5, May 75
Gene transfer agents, bacteriophages, and bacteriocins of Rhodopseudomonas capsulata. Wall JD, et al. **Arch Microbiol** 105(3):217–24, 7 Nov 75
Occurrence in wild strains of Neurospora crassa of genes controlling genetic recombination. Catcheside DG. **Aust J Biol Sci** 28(2):213–25, Apr 75
Evidence for recombination between two different immunological types of foot-and-mouth disease virus. Mackenzie JS, et al. **Aust J Exp Biol Med Sci** 53(4):251–6, Aug 75
The role of the rec genes in the viability of Escherichia coli K12. Capaldo FN, et al. **Basic Life Sci** 5A:405–18, 1975
DNA repair and its relation to recombination-deficient and other mutations in Bacillus subtilis. Ganesan AT. **Basic Life Sci** 5B:513–9, 1975
Repair by genetic recombination in bacteria: overview. Howard-Flanders P. **Basic Life Sci** 5A:265–74, 1975 (55 ref.)
Analysis of temperature-sensitive recB and recC mutations. Kushner SR. **Basic Life Sci** 5A:301–6, 1975
The degradation of duplex DNA by the recBC DNase of Escherichia coli. Linn S, et al. **Basic Life Sci** 5A:293–9, 1975
Postreplication repair in human cells: on the presence of gaps opposite dimers and recombination. Meneghini R, et al. **Basic Life Sci** 5B:639–42, 1975
The beginning of an investigation of the role of recF in the pathways of metabolism of ultraviolet-irradiated DNA in Escherichia coli. Rothman RH, et al. **Basic Life Sci**

5A:283–91, 1975
Recombination and postreplication repair. Rupp WD, et al. **Basic Life Sci** 5A:307–12, 1975
The role of DNA polymerase I in genetic recombination and viability of Escherichia coli. Smirnov GB, et al. **Basic Life Sci** 5A:399–404, 1975
Dissociation–recombination of intergenic sunflower alcohol dehydrogenase isozymes and relative isozyme activities. Torres AM. **Biochem Genet** 14(1–2):87–98, Feb 76
A study of genetic markers in families with a recombination in the HL-A region. Bijnen AB, et al. **Birth Defects** 11(3):77–81, 1975
DNA repair and recombination. Howard-Flanders P. **Br Med Bull** 29(3):226–35, Sep 73
A new avian influenza virus from feral birds in the USSR: recombination in nature? Webster RG, et al. **Bull WHO** 51(4):325–32, 1974
Genetic recombination in a chloramphenicol–producing strain of Streptomyces species 3022a. Francis MM, et al. **Can J Microbiol** 21(8):1151–9, Aug 75
Heterokaryosis and parasexuality in Pyricularia oryzae Cavara. Genovesi AD, et al. **Can J Microbiol** 22(4):531–6, Apr 76
The structures and fidelity of replication of mouse mitochondrial DNA-pSC 101 EcoRI recombinant plasmids grown in E. coli K12. Brown WM, et al. **Cell** 7(4):517–30, Apr 76
Propagation of a segment of bacteriophage lamda–DNA in monkey cells after covalent linkage to a defective simian virus 40 genome. Ganem D, et al. **Cell** 7(3):349–59, Mar 76
Evidence for the formation of hybrid DNA during mitotic recombination in Chinese hamster cells. Moore PD, et al. **Cell** 8(4):573–9, Aug 76
Electron microscopic mapping of the attachment sites on SV40 DNA during lytic infection. Chow LT, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:109–17, 1975
Avian RNA tumor viruses: mechanism of recombination and complexity of the genome. Duesberg P, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:847–57, 1975
Host substitution in SV40 and polyoma DNA. Winocour E, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:101–8, 1975
Genetic recombination among temperature–sensitive mutnats of Rous sarcoma virus. Wyke JA, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:897–905, 1975
Recombination of influenza A virus strains: effect on pathogenicity. Ennis FA, et al. **Dev Biol Stand** 33:220–5, 1976
A new h–2 recombinant, H–2hj, which places the control of H–2.7 into the K end. Démant P, et al. **Folia Biol (Praha)** 21(6):417–8, 1975
Maintenance of genetic homogeneity in systems with multiple genomes. Birky CW Jr, et al. **Genet Res** 27(2):249–65, Apr 76
An experimental on recombination load in Drosophila melanogaster. Charlesworth B, et al. **Genet Res** 25(3):267–74, Jun 75
A recombination test to classify mutants of Bacillus subtilis of identical phenotype. Galizzi A, et al. **Genet Res** 27(1):47–58, Feb 76
Are macronuclear subunits in Paramecium functionally diploid? Nyberg D. **Genet Res** 27(2):239–48, Apr 76
Quantitative predictions of random segregation models of the ciliate macronucleus. Preer JR Jr. **Genet Res** 27(2):227–38, Apr 76
Inducible monooxygenase activities and 3–methyl–cholanthrene–initiated tumorigenesis in mouse recombinant inbred sublines. Atlas SA, et al. **Genetics** 83(3 PT.2):537–50, Jul 76
Effects of glucose repression of the transmission and recombination of mitochondrial genes in yeast (Saccharomyces cerevisiae). Birky CW Jr. **Genetics** 80(4):695–709, Aug 75
Mutator factors and genetic variance components of viability in Drosophila melanogaster. Cardellino RA, et al. **Genetics** (3):567–83, Jul 75
Recombination modification in a fluctuating environment. Charlesworth B. **Genetics** 83(1):181–95, May 76
Genetic modification of recombination rate in Tribolium castaneum. Dewees AA. **Genetics** 81(3):537–52, Nov 75
Genetic dissection of segregation distortion II. Mechanism of suppression of distortion by certain inversions. Hartl DL. **Genetics** (3):539–47, Jul 75
Chromosome rearrangements in Caenorhabditis elegans. Herman RK, et al. **Genetics** 83(1):91–105, May 76
Induction and transmission of a merodiploid condition near the terminal area of the chromosome of Bacillus subtilis. Jamet–Vierny C, et al. **Genetics** 81(3):437–58, Nov 75
Regulation of mating and meiosis in yeast by the mating–type region. Kassir Y, et al. **Genetics** 82(2):187–206, Feb 76
Mapping and gene conversion studies with the structural gene for iso–1–cytochrome C in yeast. Lawrence CW, et al. **Genetics** 81(4):615–29, Dec 75
Recombination as a requirement for segregation of a partially diploid mutant of Pneumococcus. Ledbetter ML, et al. **Genetics** 80(4):679–94, Aug 75
Limits to the advantage of recombination in increasing the rate of incorporation of favorable mutants. Nyberg D. **Genetics** (3):617–9, Jul 75
Recombinant clone heterogeneity in Escherichia coli conjunction: effect of pH and partially replicated recipient deoxyribonucleic acid. Ou JT. **Genetics** (3):401–19, Jul 75
Genetic analysis of petite mutants of Saccharomyces cerevisiae: transmissional types. Perlman PS. **Genetics** 82(4):645–63, Spr 76
Non–mendelian female sterility in Drosophila melanogaster: hereditary transmission of I factor. Picard G. **Genetics** 83(1):107–23, May 76
Parasexual genetic analysis of the cellular slime mold Dictyostelium discoideum A3. Rothman FG, et al. **Genetics** 80(4):715–31, Aug 75
Gene flow and selection in a two–locus system. Slatkin M. **Genetics** 81(4):787–802, Dec 75
Elements causing male crossing over in Drosophila melanogaster. Slatko BE, et al. **Genetics** 81(2):313–24, Oct 75
On recombination between close and distant markers in phage lambda. Stahl FW, et al. **Genetics** 82(4):577–93, Spr 76
The effects of hitchhiking on a gene for recombination. Strobeck C, et al. **Genetics** 82(3):547–58, 25 Mar 76
Interpretation of data obtained with recombination–defective meiotic mutants. Valentin J, et al. **Genetics** 81(2):325–31, Oct 75
Genetic heterozygosity in unreplicated bacteriophage lambda recombinants. White R, et al. **Genetics** 81(1):33–50, Sep 75
A genetic study of aggregation in the cellular slime mould Dictyostelium discoideum using complementation analysis. Williams KL, et al. **Genetics** 82(2):287–307, Feb 76
Sister chromatid exchange in xeroderma pigmentosum cells that are defective in DNA excision repair or post–replication repair. Wolff S, et al. **Genetics** 81(2):349–55, Oct 75
The genetic effects of elevated temperature in the yeast, Saccharomyces cerevisiae. Evans WE, et al. **Heredity (Lond)** 35(3):347–59, Dec 75
Recombination in the AM gene of Neurospora crassa—a new model for conversion polarity and an explanation for a marker effect. Fincham JR. **Heredity (Lond)** 36(1):81–9, Feb 76
Effect of gene dispersion on estimates of components of generation means and variances. Jayasekara NE, et al. **Heredity (Lond)** 36(1):31–40, Feb 76
A test of the influence of isoallelic variation upon a quantitative character. Thompson JN Jr. **Heredity (Lond)** 35(3):401–6, Dec 75
Recombination within the major histocompatibility region of man. Kreiger D, et al. **Humangenetik** 30(1):81–2, 20 Oct 75
Serotypic recombination in Pseudomonas aeruginosa. pp. 281–90. Matsumoto H, et al. **In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.**
Regulation of genetic recombination in Neurospora crassa. pp. 301–12. Catcheside DG. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**
Circular DNA in the yeast Saccharomyces cerevisiae in relation to informosomal DNA and mitochondrial genetics. pp. 111–22. Clark–Walker GD, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**
The transfer and expression (transgenosis) of foreign genes in plant cells, reality and potential. pp. 447–57. Doy CH. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**
Extensive recombination of yeast mitochondrial DNA during vegetative growth as revealed by density labelling. pp. 95–100. Williamson DH. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**
Association of the recombination–deficient phenotype of Bacillus subtilis recC strains with the presence of an SPO2 prophage. Garro AJ, et al. **J Bacteriol** 126(1):556–8, Apr 76
Role of Rec pathways on sensitivity of Escherichia coli to near–ultraviolet and visible light. Gopalakrishna K, et al. **J Bacteriol** 127(2):1022–3, Aug 76
cis–Dominant, transfer–deficient mutants of the Escherichia coli K–12 F sex factor. Guyer MS, et al. **J Bacteriol** 125(1):233–47, Jan 76
Genetic and physical studies of recombinant plasmids formed between an R plasmid of compatibility group FI and sex factor F of HfrH. Horodniceanu T, et al. **J Bacteriol** 125(1):58–67, Jan 76
Recombinant plasmid obtained from two different, compatible staphylococcal plasmids. Iordănescu S. **J Bacteriol** 124(2):597–601, Nov 75
Recombination between plasmids of incompatibility groups P–1 and P–2. Jacoby GA, et al. **J Bacteriol** 127(3):1278–85, Sep 76
Similarity in properties and mapping of three Rec mutants of Haemophilus influenzae. Kooistra J, et al. **J Bacteriol** 127(1):327–33, Jul 76
Compatibility of pTM89, a new F–like R factor, and of derivative plasmids. Monti–Bragadin C, et al. **J Bacteriol** 124(3):1132–6, Dec 75
Recombination–deficient mutants of Bacillus subtilis. Sadaie Y, et al. **J Bacteriol** 125(2):489–500, Feb 76
DNA restriction and modification systems in Salmonella. SQ, a new system derived by recombination between the SB system of Salmonella typhimurium and the SP system of Salmonella potsdam. Bullas LR, et al. **J Gen Microbiol** 95(1):166–72, Jul 76
The rate of recombination repair and its relationship to the radiation–induced delay in DNA synthesis in Micrococcus radiodurans. Moseley BE, et al. **J Gen Microbiol** 93(2):251–8, Apr 76
Temperature–sensitive mutants of type 12 adenovirus defective in a late function: protein synthesis and evidence for recombination between mutants in complementation group D. Ledinko N. **J Gen Virol** 30(1):153–6, Jan 76
A note on the distribution of the recombination fraction in Drosophila melanogaster. Broadhead RS, et al. **J Hered** 66(5):309–10, Sep–Oct 75
Fine structure of three different anti–fluorescein combining sites: induced circular dichroism of hapten bound to autologous and heterologous recombinants. Gollogly JR, et al. **J Immunol** 117(1):180–6, Jul 76
Genetic studies with heteroduplex DNA of bacteriophage fl. Asymmetric segregation, base correction and implications for the mechanism of genetic recombination. Enea V, et al. **J Mol Biol** 96(3):495–509, 15 Aug 75
Heteroduplex DNA: a recombinational intermediate in bacteriophage fl. Enea V, et al. **J Mol Biol** 101(1):25–38, 15Feb 76
The essential role of bacteriophage T7 endonuclease (gene 3) in molecular recombination. Lee M, et al. **J Mol Biol** 104(4):883–8, 15 Jul 76
The role of bacteriophage T7 exonuclease (gene 6) in genetic recombination and production of concatemers. Miller RC Jr, et al. **J Mol Biol** 101(2):223–34, 25 Feb 76
Physical mapping of temperature–sensitive mutations of adenoviruses. Sambrook J, et al. **J Mol Biol** 97(3):369–90, 25 Sep 75
Recombination by strand assimilation and strand crossover. Chipchase M. **J Theor Biol** 57(2):249–79, Apr 76
The repair of double–strand breaks in DNA; a model involving recombination. Resnick MA. **J Theor Biol** 59(1):97–106, Jun 76
A result on the selection of recombination altering mechanisms. Teague R. **J Theor Biol** 59(1):25–32, Jun 76
Virion–associated transcriptase activity of influenza recombinant and mutant strains. Bean WJ Jr, et al. **J Virol** 16(3):516–24, Sep 75
Recombinational–type transfer of viral DNA during bacteriophage 2C replication in Bacillus subtilis. Hoet P, et al. **J Virol** 17(3):718–26, Mar 76
Recombination between a temperature–sensitive mutant and a deletion mutant of Rous sarcoma virus. Kawai S, et al. **J Virol** 19(2):389–97, Aug 76
Late events in T4 bacteriophage production. II. Giant bacteriophages contain concatemers generated by recombination. Kozinski AW, et al. **J Virol** 17(3):801–4, Mar 76
Complementation between BK human papovavirus and a simian virus 40 tsA mutant. Mason DH, et al. **J Virol** 17(3):1060–2, Mar 76
Attenuation of pathogenicity of fowl plague virus by recombination with other influenza A viruses nonpathogenic for fowl: nonexculsive dependence of pathogenicity on hemagglutinin and neuraminidase of the virus. Rott R, et al. **J Virol** 19(1):54–60, Jul 76
Replication and recombination of gene 59 mutant of bacteriophage T4D. Shah DB. **J Virol** 17(1):175–82, Jan 75
Recombination between temperature–sensitive and deletion mutants of reovirus. Spandidos DA, et al. **J Virol** 18(1):117–23, Apr 76
Infectious center assay for complementation and recombination between mutant of reovirus. Spandidos DA, et al. **J Virol** 18(3):1151–4, Jun 76
X–ray– and TEM–induced mitotic recombination in Drosophila melanogaster: unequal and sister–strand recombination. Becker HJ. **Mol Gen Genet** 138(1):11–24, 1975
Conjugation in Escherichia coli: a study of recombination and the fate of donor DNA at the level of the zygote. Bergmans HE, et al. **Mol Gen Genet** 137(1):1–10, 1975
Zygote heterogeneity and uniparental inheritance of mitochondrial genes in yeast. Birky CW Jr. **Mol Gen Genet** 141(1):41–58, 3 Nov 75
Mitochondrial DNA in yeast recombination and subsequent modification following mating between a Grande and a suppressive Petite. Blamire J, et al. **Mol Gen Genet** 143(3):253–9, 2 Feb 76
Role of the bacterial and phage recombination systems and of DNA replication in genetic recombination of UV–irradiated phage Lambda. Blanco M, et al. **Mol Gen Genet** 146(1):51–4, 5 July 76
Parasexual genetic analysis of aggregation–deficient mutants of Dictyostelium discoideum. Coukell MB. **Mol Gen Genet** 142(2):119–35, 29 Dec 75
Mitochondrial genetics. XI. Mutations at the mitochondrial locus omega affecting the recombination of mitochondrial genes in Saccharomyces cerevisiae. Dujon B, et al. **Mol Gen Genet** 143(2):131–65, 16 Jan 76
The genetic instabilities of the mating type locus in fission yeast. Egel R. **Mol Gen Genet** 145(3):281–6, 15 Jun 76
The effect of dose and time on the induction of genetic alterations in Saccharomyces cerevisiae by aminoacridines in the presence and absence of visible light irradiation in comparison with the dose–effect–curves of mutagens with other type of action. Fahrig R. **Mol Gen Genet** 144(2):131–40, 22 Mar 76

Intragenic recombination at the white locus of Drosophila hydei. Frei H. **Mol Gen Genet** 142(2):105–17, 29 Dec 75

Control of gene expression in bacteriophage lambda: suppression of N mutants by mutations of the antirepressor. Galland P, et al. **Mol Gen Genet** 142(2):155–70, 29 Dec 75

Genetic analysis of unequal transmission of the mitochondrial markers in Saccharomyces cerevisiae. Gunge N. **Mol Gen Genet** 139(3):189–202, 27 Aug 75

R factor variants with enhanced sex factor activity in Pseudomonas aeruginosa. Haas D, et al. **Mol Gen Genet** 144(3):243–51, 30 Mar 76

Properties of plasmids produced by recombination between R factors of groups J and FII. Hedges RW, et al. **Mol Gen Genet** 140(4):289–302, 22 Oct 75

Bacteriophage N3 of Haemophilus influenzae. I. Independence of vegetative recombination among Haemophilus influenzae bacteriophage on the host cell. Jablońska E, et al. **Mol Gen Genet** 147(1):111–4, 10 Aug 76

DNA degradation in minicells of Escherichia coli K–12. II. Effect of recA1 and recB21 mutations on DNA degradation in minicells and detection of exonuclease V activity. Khachatourians GG, et al. **Mol Gen Genet** 138(3):179–92, 19 Jun 75

Cryptic mutations: their predicted biochemical basis, frequencies and effects on gene conversion. Lamb BC. **Mol Gen Genet** 137(4):305–14, 1975

Induced mutagenesis in Ustilago maydis. II. An in vivo biochemical assay. Lemontt JF. **Mol Gen Genet** 145(2):133–43, 7 May 76

Genetic exchanges caused by ultraviolet photoproducts in phage lambda DNA molecules: the role of DNA replication. Lin PF, et al. **Mol Gen Genet** 146(2):107–15, 23 Jul 76

Transmission and recombination of extranuclear genes during sexual crosses in Aspergillus nidulans. Mason JR, et al. **Mol Gen Genet** 143(1):93–9, 30 Dec 75

Escherichia coli mutants uvr D and uvr E deficient in gene conversion of lambda–heteroduplexes. Nevers P, et al. **Mol Gen Genet** 139(3):233–43, 27 Aug 75

Mutations affecting mitotic recombination frequency in haploids and diploids of the filamentous fungus Aspergillus nidulans. Parag Y, et al. **Mol Gen Genet** 137(2):109–23, 1975

Three–marker extranuclear mitochondrial crosses in Aspergillus nidulans. Rowlands RT, et al. **Mol Gen Genet** 141(1):69–79, 3 Nov 75

Recombination and hydroxyurea inhibition of DNA synthesis in yeast meiosis. Simchen G, et al. **Mol Gen Genet** 144(1):21–7, 27 Feb 76

The generation of a ColE1–Apr cloning vehicle which allows detection of inserted DNA. So M, et al. **Mol Gen Genet** 142(3):239–49, 30Dec 75

Isolation of rec– mutants from an F–prime merodiploid strain of Escherichia coli K–12. Stacey KA, et al. **Mol Gen Genet** 143(2):223–32, 16 Jan 76

Rec–mediated recombinational hot spot activity in bacteriophage lambda. IV. Effect of heterology on Chi–stimulated crossing over. Stahl FW, et al. **Mol Gen Genet** 140(1):29–37, 15 Sep 75

Pattern of somatic segregation of the cytoplasmic drug–resistance factors in yeast. Uchida A, et al. **Mol Gen Genet** 145(2):159–63, 7 May 76

Increased spontaneous reversion of certain frameshift mutations in DNA polymerase I deficient strains of Escherichia coli. Vaccaro KK, et al. **Mol Gen Genet** 141(3):251–62, 1 Dec 75

The restriction of the recombination of mitochondrial DNA molecules in the zygotes of Saccharomyces cerevisiae. Waxman MF. **Mol Gen Genet** 141(4):285–90, 9 Dec 75

Induced mutagenesis in bacteriophage T4 growing in strains of E. coli with altered RNA–polymerase. Alikhanian SI, et al. **Mutat Res** 35(1):7–11, Apr 76

Genetic effects of formaldehyde in yeast. I. Influence of the growth stages on killing and recombination. Chanet R, et al. **Mutat Res** 33(2–3):179–86, Dec 75

Intragenic mutational spectra and hot spots. Clarke CH, et al. **Mutat Res** 36(2):147–64, Aug 76

Induction of mitotic gene conversion in Saccharomyces cerevisiae with chlordiazepoxide and its N–nitroso derivative in a host–mediated assay. Krafft S, et al. **Mutat Res** 34(2):333–6, Feb 76

UV–induced mitotic recombination in somatic cells of Drosophila melanogaster. Martensen DV, et al. **Mutat Res** 36(3):391–6, Sep 76

A recombination–dependent replicating instability in Salmonella typhimurium. Murray GE, et al. **Mutat Res** 36(3):283–90, Sep 76

Temperature–sensitive prune (pn) mutations of Drosophila melanogaster. Orevi N, et al. **Mutat Res** 33(2–3):193–200, Dec 75

Induction of mitotic recombination with N–methyl–N'–nitro–N–nitrosoguanidine (MNNG) in Saccharomyces cerevisiae. A comparison between treatment in vitro and in the host–mediated assay. Ryttman H, et al. **Mutat Res** 34(2):201–16, Feb 76

Genetic activity of niridazole in yeast. Shahin MM. **Mutat Res** 30(2):191–8, Nov 75

Repair of UV–induced DNA damage in recombination–deficient strains of Bacillus subtilis. Shibata T, et al. **Mutat Res** 30(2):177–90, Nov 75

Sister chromatid exchanges—a sensitive assay of agents damaging human chromosomes. Solomon E, et al. **Mutat Res** 30(2):273–8, Nov 75

Gene manipulation. Cohen SN. **N Engl J Med** 294(16):883–9, 15 Apr 76

Nuclease that preferentially inactivates DNA containing mismatched bases. Ahmad A, et al. **Nature** 258(5530):54–6, 6 Nov 75

Safer derivatives of bacteriophage lambdagt–lambdaC for use in cloning of recombinant DNA molecules. Enquist L, et al. **Nature** 259(5544):596–8, 19 Feb 76

Morphogenetic mutants detected in mitotic recombination clones. Ferrús A, et al. **Nature** 260(5550):425–6, 1 Apr 76

Induction of male recombination in Drosophila melanogaster by injection of extracts of flies showing male recombination. Sochacka JH, et al. **Nature** 262(5566):287–9, 22 Jul 76

Genetic analysis of water maze discrimination learning for Mus musculus: polygenes and albinism. Elias MF, et al. **Physiol Behav** 14(6):833–8, Jun 75

The production of live attenuated influenza A strains by recombination with A/Okuda/57 (H2N2). McCahon D, et al. **Postgrad Med J** 52(608):389–94, Jun 76

Recombination in Saccharomyces cerevisiae: a DNA repair mutation associated with elevated mitotic gene conversion. Boram WR, et al. **Proc Natl Acad Sci USA** 73(8):2828–32, Aug 76

Electron microscopy of meiosis in Drosophila melanogaster females: II. The recombination nodule—a recombination–associated structure at pachytene? Carpenter AT. **Proc Natl Acad Sci USA** 72(8):3186–9, Aug 75

Fusion of protoplasts of Bacillus megaterium. Fodor K, et al. **Proc Natl Acad Sci USA** 73(6):2147–50, Jun 76

Kinetics of branch migration in double–stranded DNA. Thompson BJ, et al. **Proc Natl Acad Sci USA** 73(7):2299–303, Jul 76

A mechanism for initiation of genetic recombination. Wagner RE Jr, et al. **Proc Natl Acad Sci USA** 72(9):3619–22, Sep 75

Distribution of envelope–specific and sarcoma–specific nucleotide sequences from different parents in the RNAs of avian tumor virus recombinants. Wang LH, et al. **Proc Natl Acad Sci USA** 73(4):1073–7, Apr 76

Recent studies on genetic recombination in Vibrio cholerae. Bhaskaran K. **Prog Drug Res** 19:460–5, 1975

Autosomal linkage in humans (methodology and results of computer analysis). Falk CT, et al. **Ser Haematol** 8(2):153–237, 1975

Studies on recombination within the mouse H–2 gene complex. III. Further serological analyses of the H–2t haplotypes. David CS, et al. **Tissue Antigens** 6(5):353–65, Nov 75

Linkage of GLO with HLA and Bf. Effect of population and sex on recombination frequency. Weitkamp LR. **Tissue Antigens** 7(5):273–9, May 76

Intertypic complementation and recombination between temperature–sensitive mutants of herpes simplex virus types 1 and 2. Esparza J, et al. **Virology** 70(2):372–84, Apr 76

The role of top particles in recombination of some characters of tobacco streak virus. Fulton RW. **Virology** 67(1):188–96, Sep 75

The role of top particles in recombination of some characters of tobacco streak virus. Fulton RW. **Virology** 67(1):188–96, Sep 75

Mechanism of influenza recombination. III. Biochemical studies of temperature–sensitive mutants belonging to different recombination groups. Gregoriades A, et al. **Virology** 69(1):81–92, Jan 76

Subgroup–specific antigenic determinants of avian RNA tumor virls structural proteins: analysis of virus recombinants. Hayman MJ, et al. **Virology** 73(2):372–80, Sep 76

Temperature–sensitive mutants of avian sarcoma viruses. Genetic recombination with wild type sarcoma virus and physiological analysis of multiple mutants. Hunter E, et al. **Virology** 69(1):23–34, Jan 76

Recombination between phage S1 and the TC–resistant gene on Staphylococcus aureus plasmid. Inoue M, et al. **Virology** 72(2):322–9, 15 Jul 76

Influenza virus recombination. I. Matrix protein markers and segregation during mixed infections. Laver WG, et al. **Virology** 70(1):105–17, Mar 76

Specialized transduction of recA by bacteriophage lambda. McEntee K. **Virology** 70(1):221–2, Mar 76

Recombinants between P22 and P1Cm. Mise K. **Virology** 71(2):531–45, Jun 76

The presence of common host sequences in different populations of substituted SV40 DNA. Oren M, et al. **Virology** 73(2):419–30, Sep 76

Integration sites of foreign genes in the chromosome of coliphage P1: a finer resolution. Schulz G, et al. **Virology** 73(1):299–302, Aug 76

Studies on a recombinant influenza A virus by indirect neutralization. Majer M, et al. **Z Immunitaetsforsch** 144(1):96–9, Jul 72

[Construction of Hfr strains in 'Salmonella montevideo' (author's transl)] Dassa E. **Ann Microbiol (Paris)** 126(3):315–26, Apr 75 (Eng. Abstr.) **(Fre)**

[Genetic effects of the gaseous phase of cigarette smoke on Saccharomyces cerevisiae] Izard C, et al. **C R Acad Sci [D] (Paris)** 282(11):1141–3, 15 Mar 76 (Eng. Abstr.) **(Fre)**

[Modification of the high frequency of reversion of the nicotonic–2 mutant of Coprinus radiatus. II. Polymorphism of strains with low frequencies of reversion (author's transl)] Ozier–Kalogeropoulos O, et al. **Mutat Res** 33(2–3):113–34, Dec 75 **(Fre)**

[On the in vitro recombination using plasmid or phage DNA (author's transl)] Matsubara K. **Protein Nucleic Acid Enzyme (Tokyo)** 20(6):574–80, May 75 (48 ref.) **(Jpn)**

[Potential biohazards of recombinant DNA molecules—what should be done by Japanese scientists— (author's transl)] Sato T, et al. **Protein Nucleic Acid Enzyme (Tokyo)** 20(10):975–85, Aug 75 **(Jpn)**

[Somatic translocation and recombination in the biosynthesis of antibodies] Sikorska EJ. **Postepy Hig Med Dosw** 29(5):569–85, Sep–Oct 75 **(Pol)**

[Properties of the F' factors formed in crosses of E. coli Hfr donor cells with recipient cells by means of defects in recombination] Pavlovich AI. **Biull Eksp Biol Med** 79(4):104–7, Apr 75 (Eng. Abstr.) **(Rus)**

[The influence of differences in the Rec–genotype of E. coli cells on the function of sex factor F'] Pavlovich AI. **Biull Eksp Biol Med** 80(11):99–101, Nov 75 (Eng. Abstr.) **(Rus)**

[Preparation of functioning recombinant (hybrid) DNA molecules in vitro (genetic engineering experiments)] Alikhanian SI, et al. **Genetika** 11(11):34–45, 1975 (Eng. Abstr.) **(Rus)**

[Mechanism of genetic recombination during bacterial conjugation. V. Recombinogen–induced heterogeneity of exconjugant progeny] Bresler SE, et al. **Genetika** 10(2):145–50, Feb 74 (Eng. Abstr.) **(Rus)**

[H–2 mutations in mice. III. Serological analysis of mutation 504 and its derived H–2 recombinant haplotypes] Dishkant IP, et al. **Genetika** 9(10):83–90, Oct 73 (Eng. Abstr.) **(Rus)**

[Recombination of mitochondrial markers in yeasts. I. Analysis of isomitochondrial crosses and a study of the influence of locus determining mating type on recombination] Kal'dma IaA. **Genetika** 11(3):111–21, 1975 (Eng. Abstr.) **(Rus)**

[Recombination in amber–mutants of bacteriophage T4B. I. Recombination and complementation in phage T4 amber–mutants] Piruzian ES. **Genetika** 11(7):121–7, 1975 (Eng. Abstr.) **(Rus)**

[Genetic control of the RecF recombination pathway. II. Effect of recL– and uvrE– mutations] Smirnov GB, et al. **Genetika** 12(4):100–8, 1976 (Eng. Abstr.) **(Rus)**

[Mutations influencing intragenic recombination in Escherichia coli K–12] Zlotnikov KM, et al. **Genetika** 10(11):71–6, Nov 74 (Eng. Abstr.) **(Rus)**

[New research on recombination in orthomyxoviruses (author's transl)] Podchermiaeva RAa, et al. **Vopr Virusol** (5):515–20, Sept–Oct 75 (70 ref.) **(Rus)**

[Electrophoretic motility of RNA of recombinant influenza virus strains X–7 and X–9] Zazimko LA, et al. **Vopr Virusol** (6):686–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Biochemical and genetic characteristics of enteropathogenic Escherichia coli and shigellae. IV. An electron microscopic study of pathogenic escherichia of serologic group 0124 and their recombinants] Aleksin LM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):28–31, 1976 (Eng. Abstr.) **(Rus)**

[Increasing the frequency of the transmission of antibiotic resistance in bacteria through their centrifugal sedimentation] Rapoport LG. **Zh Mikrobiol Epidemiol Immunobiol** (6):133–4, Jun 76 **(Rus)**

[Comparative studies of recombinant selection and linkage determinations with culture media prepared from anchovy] Türet S. **Mikrobiyol Bul** 9(2):71–83, 1975 (Eng. Abstr.) **(Tur)**

DRUG EFFECTS

DNA–attacking ability of carcinogenic mycotoxins in recombination–deficient mutant cells of Bacillus subtilis. Ueno Y, et al. **Cancer Res** 36(2 Pt 1):445–51, Feb 76

Effect of deoxyribonucleic acid replication inhibitors on bacterial recombination. Canosi U, et al. **J Bacteriol** 126(1):108–21, Apr 76

Action of ethyl and methyl methane sulfonates on DNA injection and genetic recombination in T7 bacteriophage. Karska–Wysocki B, et al. **J Virol** 19(2):318–24, Aug 76

Genetic effects of potassium dichromate in Schizosaccharomyces pombe. Bonatti S, et al. **Mutat Res** 38(2):147–50, Apr 76

Genetic activity of the antimicrobial food additives AF–2 and H–193 in Saccharomyces cerevisiae. Shahin MM, et al. **Mutat Res** 38(3):215–24, Jun 76

Mutagenic and recombinogenic activities of the food additive furylfuramide in eurkaryotes. Ong TM, et al. **Science** 184(4141):1086–7, 7 Jun 74

The effect of 5–bromouracil on recombination of phage lambda. Little JW. **Virology** 72(2):530–5, 15 Jul 76

RADIATION EFFECTS

Genetic exchanges induced by structural damage in nonreplicating phage lambda DNA. Howard–Flanders P, et al. **Basic Life Sci** 5A:275–81, 1975

DNA Degradation and reduced recombination following UV irradiation during meiosis in yeast (Saccharomyces cerevisiae). Salts Y, et al. **Mol Gen Genet** 146(1):55–9, 5 July 76

Studies on the induction of mitotic gene conversion by ultraviolet irradiation. I. Analysis of dose–frequency relationship. Ito T, et al. **Mutat Res** 30(1):33–42, Oct 75

Studies on the induction of mitotic gene conversion by

ultraviolet irradiation. II. Action spectra. Ito T, et al. **Mutat Res** 30(1):43–54, Oct 75

Genetic damage by photodynamic action and recombination of bacteriophage. Yamamoto N. **Res Prog Org Biol Med Chem** 3 Pt 1:297–319, 1972

RECORDS

The birth number concept and record linkage. Lunde AS. **Am J Public Health** 65(11):1165–9, Nov 75

Letters to the editor: It's not 1984 yet! Lunde AS. **Am J Public Health** 66(3):297, Mar 76

Letter: The birth numbering concept. Solomon K. **Am J Public Health** 66(3):298, Mar 76

A clinical record–keeping system. Mueller PB, et al. **ASHA** 18(6):352–3, Jun 76

A functional computer recording system for a veterinary diagnostic laboratory. Elder JK. **Aust Vet J** 52(1):24–35, Jan 76

Letter: Retrieval of animal diseases information from a computer record system. Elder JK. **Aust Vet J** 52(4):196–7, Apr 76

Letter: Computers and privacy. Sidebotham JF, et al. **Br Med J** 1(6007):461–2, 21 Feb 76

Case records: their value in population medicine. Martin SW. **Can Vet J** 17(4):116–8, Apr 76

An instrument to assess staff time utilization in a community mental health center. Harakal C, et al. **Community Ment Health J** 11(4):371–80, Winter 75

Report on matching procedures of a dual record system in the southern Philippines. Madigan FC, et al. **Demography** 13(3):381–95, Aug 76

Annual fertility rates from Census data on own children: comparisons with vital statistics data for the United States. Rindfuss RR. **Demography** 13(2):235–49, May 76

What is to become of Katherine? de Boor MF. **Except Child** 41(8):517–8, May 75

A new visual chart for pre–school developmental screening. Barber JH, et al. **Health Bull (Edinb)** 34(2):80–91, Mar 76

Uniform billing update: UB–16 to be tested. Epstein LJ. **Hospitals** 50(11):27, 30, 1 Jun 76

A multipurpose recordkeeping system for the centralized radiopharmacy. pp. 21–7. Baker WJ, et al. **In: Selected papers on nuclear pharmacy. Washington, American Pharmaceutical Association, 1976. WN 440 S983s 1974.**

Financial record–keeping simulation in the dental auxiliary utilization clinic. Barron EG, et al. **J Dent Educ** 39(9):613–6, Sep 75

IBM correcting selectric typewriter: an analysis of the use of the correctable film ribbon in altering typewritten documents. Casey MA, et al. **J Forensic Sci** 21(1):208–12, Jan 76

Individualizing oil delivery imprints. Hilton O. **J Forensic Sci** 21(1):213–7, Jan 76

Some aspects of normal behavior: their use in understanding problems encountered by document examiners. McCarthy JF. **J Forensic Sci** 21(1):201–7, Jan 76

The Georgia birth reporting system: current reports and potential applications. Dever GE, et al. **J Med Assoc Ga** 64(9):338–41, Sep 75

Using a teacher's health observation form to evaluate school child health. Ritter AM. **J Sch Health** 46(4):235–7, Apr 76

Content classification system for sexual counseling: method and application. Rosen A, et al. **J Sex Marital Ther** 1(1):53–62, Fall 74

Development of long–term care data systems. 20. Problems of data collection in long–term health care. Brooke EM. **Med Care** 14(5 Suppl):165–72, May 76

23. The long–term care component of the Massachusetts Cooperative Health Statistics Program. Caso E, et al. **Med Care** 14(5 Suppl):185–90, May 76

3. Basic data requirements for home health care. Ryder CF. **Med Care** 14(5 Suppl):46–52, May 76

Paper work in general practice. A medical service? Who benefits? Hoy MA. **Med J Aust** 1(7):200,202, 14 Feb 76

A simple method for making chromatographic records using transparent acetate sheet. Hector TH. **Med Lab Technol** 32(1):31–2, Jan 75

Remands for psychiatric reports. Prins HA. **Med Sci Law** 16(2):129–38, Apr 76

A kardex system. Rait A. **Nurs Times** 71(42):suppl:iii, 16 Oct 75

A manual system for patients' accounting records. Sulcas P. **S Afr Med J** 50(22):859–62, 22 May 76

A new critical–care flow chart. Barrett RP. **Vet Med Small Anim Clin** 71(6):782–3, Jun 76

Small animal clinical otology. Examination forms: number three in a series. Rose WR. **Vet Med Small Anim Clin** 71(3):308–11, Mar 76

[Evolution of documentation of calls at the Brno Centre of First Aid by telephone (author's transl)] Bouček J, et al. **Cesk Psychiatr** 71(5):295–302, Oct 75 (Eng. Abstr.) **(Cze)**

STANDARDS

Inbuilt quality control. pp. 123–35. Pettit JE. **In: Lewis SM, Custer JF, ed. Quality control in haematology. London, Academic Press, 1975. WH 100 162q 1974.** 1975

Medicaid records as a valid data source: the Tennessee experience. Federspiel CF, et al. **Med Care** 14(2):166–72, Feb 76

RECOVERY ROOM see under **INTENSIVE CARE UNITS**

RECREATION

Movement and physical activity: the foundation for the most important 'R'. Stein JU. **Am Correct Ther J** 29(6):191–6, Nov–Dec 75

Effects of an individualized activity program on elderly patients. Salter CL, et al. **Gerontologist** 15(5 PT 1):404–6, Oct 75

Social determinants of alcohol and marijuana effects: a systematic theory. Orcutt JD. **Int J Addict** 10(6):1021–33, 1975

Depression, activity, and evaluation of reinforcement. Hammen CL, et al. **J Abnorm Psychol** 84(6):718–21, Dec 75

Backpacking with safety. Armstrong RH. **J Am Podiatry Assoc** 65(11):1080–9, Nov 75

Design of living environments for nursing–home residents: increasing participation in recreation activities. McClannahan LE, et al. **J Appl Behav Anal** 8(3):261–8, Fall 75

Organic organizational research in a psychiatric inpatient setting. Stybel LJ. **J Psychiatr Nurs** 14(5):18–22, May 76

Letter: Motorcycling. Tippit H. **JAMA** 235(10):1004, 8 Mar 76

The medical hazards of sailing. Kemp R. **Practitioner** 215(1286):188–96, Aug 75

[Travel and vacation as provoking factors in endogenous depression] pp. 123–7. Müller–Fahlbusch H, et al. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**

[Recreation need and recreational behavior in women] Rödling M. **Oeff Gesundheitswes** 38(3):151–4, Mar 76 **(Ger)**

[The possibilities of self–rationalization] Heinrich E. **ZWR** 83(10):538–40, 25 May 74 **(Ger)**

[Climatic evaluation of a territory for the organization of rest and recreation] Aleshina TP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):10–5, Jan–Feb 75 **(Rus)**

RECRUITMENT (NEUROLOGY) see under **NEURAL TRANSMISSION**

RECTAL DISEASES

Review of literature on diseases of the colon and rectum. **Dis Colon Rectum** 19(2):179–87, Mar 76

Review of literature on diseases of the colon and rectum. 1974, part VI. Rowe RJ, et al. **Dis Colon Rectum** 19(1):78–97, Jan–Feb 76

Review of literature on diseases of the colon and rectum: 1975, part II. Rowe RJ, et al. **Dis Colon Rectum** 19(3):272–83, Apr 76

Review of literature on diseases of the colon and rectum: 1975, part iv. University of Texas Health Science Center at Dallas, Dallas, Texas.. **Dis Colon Rectum** 19(5):475–85, Jul–Aug 76

Personal proctologic procedures. Waters EF. **J Am Osteopath Assoc** 75(11):995–8, Jul 76

Solitary ulcer of the rectum, A report of fiteen cases. Rowland R, et al. **Med J Aust** 1(2 suppl):21–3, 28 feb 76

Solitary rectal ulcer syndrome. Rutter KR. **Proc R Soc Med** 68(1):22–6, Jan 75

Crohn's disease of the distal large bowel. Ritchie JK, et al. **Scand J Gastroenterol** 11(5):433–6, 1976

[Proctology for general practice] Neiger A. **ZFA** 52(3):138–42, 31 Jan 76 **(Ger)**

COMPLICATIONS

Echinococcosis of the rectovaginal septum. Hakami M, et al. **Am J Proctol** 27(4):43–44, Aug 76

The gay bowel syndrome: clinico–pathologic correlation in 260 cases. Kazal HL, et al. **Ann Clin Lab Sci** 6(2):184–92, Mar–Apr 76

Benign rectal ulceration of unknown origin. An unusual cause of rectal bleeding. Howard ER, et al. **Arch Dis Child** 51(2):156–7, Feb 76

Dermatological aspects of anorectal disease. Alexander S. **Clin Gastroenterol** 4(3):651–7, Sep 75

Rectal polyps and their relationship to cancer. Whitehead R. **Clin Gastroenterol** 4(3):545–61, Sep 75

Retrorectal fistula secondary to barium–abscess granuloma: report of a case. McDonald CC, et al. **Dis Colon Rectum** 19(1):71–3, Jan–Feb 76

[Eventration of the small intestine through rupture in the rectal wall and the posterior wall of the vagina] Bersenev VI. **Klin Khir** (8):71–2, Aug 75 **(Rus)**

DIAGNOSIS

Colonoscopy in the management of diseases of the colon and rectum. Jahadi MR, et al. **J Am Geriatr Soc** 24(8):371–3, Aug 76

Comparison of cononoscopy and contrast x–ray study in diagnosis of 500 cases of colorectal disease. De Beer RA, et al. **J Am Osteopath Assoc** 75(6):569–74, Feb 76

How to make the diagnosis of rectal gonorrhea in men. Arthur GW, et al. **J Am Vener Dis Assoc** 1(3):121–3, Mar 75

The establishment of a venereal disease clinic: II. An appraisal of current diagnostic methods in uncomplicated urogenital and rectal gonorrhea. Dans PE, et al. **J Am Vener Dis Assoc** 1(3):107–12, Mar 75

Gastrointestinal bleeding in children. Raffensperger JG, et al. **Surg Clin North Am** 56(2):413–24, Apr 76

Analysis of 6,293 routine proctosigmoidoscopies. Watanabe H, et al. **Tohoku J Exp Med** 119(3):275–81, Jul 76

[Solitary ulcer of the rectum. Apropos of 5 cases] Garoui H, et al. **Tunis Med** 53(2):87–96, Mar–Apr 75 **(Fre)**

[Practical proctology (author's transl)] Hein KE. **Munch Med Wochenschr** 117(42):1705–8, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of frequent proctologic diseases] Kersten M. **Z Allgemeinmed** 51(34):1597–9, 10 Dec 75 **(Ger)**

[Rectus muscle hematoma] Andersson A, et al. **Zentralbl Chir** 100(18):1110–2, 1975 **(Ger)**

[Clinical cytological studies of the mucosa of the rectum and lower colon] Izabella M, et al. **Orv Hetil** 116(39):2308–11, 28 Sep 75 **(Hun)**

[Characteristics of clinical course and diagnosis of rectal diseases in gastroenterological patients] Iukhvidova ZhM. **Sov Med** (2):124–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Clinical and diagnostic characteristics of a gonorrheal lesion of the rectum in women] Kuntsevich LD, et al. **Vestn Dermatol Venerol** (12):66–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Rectoromanoscopy in the diagnosis of some diseases of the rectosigmoid] Vanovski B, et al. **God Zb Med Fak Skopje** 20:523–8, 1974 **(Ser)**

DRUG THERAPY

[Multicenter clinical study of a novel steroid–free preparation in proctology] Arnold K, et al. **Arzneim Forsch** 26(1):96–9, 1976 (Eng. Abstr.) **(Ger)**

[Ruscorectal in the anorectal symptom complex, especially in hemorrhoids] Cleres–Kaiser I. **Munch Med Wochenschr** 118(11):339–40, 12 Mar 76 **(Ger)**

[A new drug in the therapy of rectal diseases] Hein KE. **Munch Med Wochenschr** 117(46):1857–8, 14 Nov 75 **(Ger)**

ETIOLOGY

Hematuria and rectal bleeding in the child with Klippel and Trenaunay syndrome. Servelle M, et al. **Ann Surg** 183(4):418–28, Apr 76

Primary megarectum associated with imperforate anus: report of a case. Berengo M, et al. **Dis Colon Rectum** 18(8):699–701, Nov–Dec 75

Anorectal disease in patients with non–haematological malignancy. Merrill JM, et al. **Lancet** 1(7969):1105–7, 22 May 76

Benign strictures of the anus and the rectum. Hamit HF. **NC Med J** 37(3):144–6, Mar 76

Case report: anorectal obstruction by gallstones. Peters T, et al. **Postgrad Med** 60(7):192–4, Jul 76

Iatrogenic lesions of the colon and rectum. Classen JN, et al. **South Med J** 68(11):1417–28, Nov 75 (0 ref.)

[Proctalgia fugax] van Tongeren JH. **Ned Tijdschr Geneeskd** 120(7):280–1, 14 Feb 76 **(Dut)**

[An unusual etiology of rectal stenosis: carcinoma of the prostate report of 4 cases (author's transl)] Champault G, et al. **Arch Fr Mal App Dig** 64(7):613–9, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Rare origin of an ischio–rectal abscess] Hothorn W, et al. **Zentralbl Chir** 100(6):380–1, 1975 **(Ger)**

MICROBIOLOGY

Gas gangrene infections of the small intestine, colon and rectum. Hitchcock CR, et al. **Dis Colon Rectum** 19(2):112–9, Mar 76

PARASITOLOGY

Screening of cirrhosis in Thailand for schistosomiasis by rectal biopsy. Sriratanaban A, et al. **J Med Assoc Thai** 58(11):567–9, Nov 75

[Rectal ameboma] Jofre Gutiérrez JA. **Rev Esp Enferm Apar Dig** 47(2):249–54, Feb 76 **(Spa)**

PATHOLOGY

The solitary ulcer syndrome of the rectum. Rutter KR, et al. **Clin Gastroenterol** 4(3):505–30, Sep 75

Tailgut cyst—a rare retrorectal tumor: report of a case and review. Caropreso PR, et al. **Dis Colon Rectum** 18(7):597–600, Oct 75

Colorectal schistosomiasis: report of three cases. Moss CM, et al. **Dis Colon Rectum** 19(2):162–6, Mar 76

[Clinical and iconographic study of the proctocolic lesions in Crohn's disease (author's transl)] Yvergneaux JP, et al. **Acta Gastroenterol Belg** 37(12):539–58, Dec 74 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Manometric studies of anorectal disorders in infancy and childhood: an investigation of the physiopathology of continence and defaecation. Meunier P, et al. **Br J Surg** 63(5):402–7, May 76

Function of the anal sphincters in patients with intussusception of the rectum. Frenckner B, et al. **Gut**

17(2):147–51, Feb 76
Physiopathology of megarectum: the association of megarectum with encopresis. Meunier P, et al. **Gut** 17(3):224–7, Mar 76
[Anotonometric studies of patients with benign diseases of the rectum] Viiachki I, et al. **Khirurgiia (Sofiia)** 29(2):119–24, 1976 (Eng. Abstr.) **(Bul)**

PREVENTION & CONTROL

Prostate carcinoma: measures to improve therapeutic response and prevent complications. Green N, et al. **Urology** 6(3):287–90, Sep 75

RADIOGRAPHY

Double contrast examination in disease of the anorectal region. Hidell J, et al. **Radiologe** 15(11):434–41, Nov 75
[Radiological features of the rectal manifestations of myelofibrosis(author's transl)] Hartweg H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):445–8, May 75 (Eng. Abstr.) **(Ger)**

SURGERY

Physiological and anatomical considerations of anorectal function in respect to anorectal surgery. Pichlmaier H. **Am J Proctol** 26(6):33–5, Dec 75
Combined abdominotranssacral reconstruction of the radiation–injured rectum. Marks G. **Am J Surg** 131(1):54–9, Jan 76
Proceedings: Duration of prophylactic antibiotic cover against anaerobic sepsis in bowel surgery. Downing R, et al. **Br J Surg** 63(8):664–5, Aug 76
Prevention of urinary retention by fluid restriction following anorectal operations. Bailey HR, et al. **Dis Colon Rectum** 19(3):250–2, Apr 76
Anorectal problems: the deep postanal space—surgical significance in horseshoe fistula and abscess. Hamilton CH. **Dis Colon Rectum** 18(8):642–5, Nov–Dec 75
Anorectal problems: treatment of abscess and fistula. Hanley PH. **Dis Colon Rectum** 18(8):657–60, Nov–Dec 75
A controlled study comparing the conventional treatment of idiopathic anorectal abcess with that of incision, curettage and primary suture under systemic antibiotic cover. Leaper DJ, et al. **Dis Colon Rectum** 19(1):46–50, Jan–Feb 76
Anorectal problems: treatment of abscesses. Lockhart–Mummery HE. **Dis Colon Rectum** 18(8):650–1, Nov–Dec 75
Anorectal prlblems: experience with primary fistulectomy for anorectal abscess, a report of 1,000 cases. McElwain JW, et al. **Dis Colon Rectum** 18(8):646–9, Nov–Dec 75
Diazepam and local anesthesia in anorectal surgery. Musgrave JM, et al. **Dis Colon Rectum** 19(2):148–50, Mar 76
Bupivacaine, a long–acting local anesthetic, in anorectal surgery. Ramalho LD, et al. **Dis Colon Rectum** 19(2):144–7, Mar 76
Acute suppurations of the anorectum. Abcarian H. **Surg Annu** 8:305–33, 1976
[A case of strangulation of a prolapsed rectum prompting emergency surgery] Temelkov S, et al. **Khirurgiia (Sofiia)** 27(5):435–6, 1974 **(Bul)**
[Surgical treatment of cryptoglandular anorectal infections] Bureš Z. **Rozhl Chir** 54(10):717–24, Oct 75 (Eng. Abstr.) **(Cze)**
[Our experiences with Eisenhammer's sphincterotomy in benign anorectal lesious] Kouba R, et al. **Rozhl Chir** 55(7):453–8, Jul 76 (Eng. Abstr.) **(Cze)**
[Results of the use of estriol in vaginoplasties (post–menopause)] Gnafakis N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):1019–28, Nov—Dec 73 (Eng. Abstr.) **(Fre)**
[Recent progress in colo–rectal pathology. Present principles of our treatment] Francillon J, et al. **Rev Med Suisse Romande** 95(8):581–97, Aug 75 **(Fre)**
[The importance of the Musculus canalis ani for continence and anorectal diseases (author's transl)] Hansen HH. **Langenbecks Arch Chir** 341(1):23–37, 4 Jun 76 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Sexually transmitted diseases of the anus and rectum. Catterall RD. **Clin Gastroenterol** 4(3):659–69, Sep 75

RECTAL FISTULA

Anal fistula: a review of 82 cases. Ani AN, et al. **Dis Colon Rectum** 19(1):51–5, Jan–Feb 76
Anal fistula in India. Raghavaiah NV. **Int Surg** 61(4):243–5, Apr 76
Editorial: Fistula–in–ano. **Lancet** 1(7959):574–5, 13 Mar 76
[Anal fistulas. Pathogenesis and treatment] Stadass JO. **Tidsskr Nor Laegeforen** 96(13):750–3, 10 May 76 (Eng. Abstr.) **(Nor)**
[Diagnosis and treatment of combined coccygeal–rectal fistulas] Kaputan VP. **Klin Khir** (3):51–4, Mar 76 **(Rus)**

BLOOD

[Changes in blood serum proteins and blood electrolytes in patients with rectal fistulas and hemorrhoids] Fedorov VD, et al. **Vestn Khir** 114(5):59–61, May 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

A classification of fistula–in–ano. Parks AG, et al. **Br J Surg** 63(1):1–12, Jan 76

COMPLICATIONS

[Malignant transformation of a pararectal fistula treated radically by local plastic repair] Manullenko BA. **Vestn Khir** 114(2):136–7, Feb 75 **(Rus)**

DIAGNOSIS

The visual diagnosis of anorectal anomalies. Tunell WP. **J La State Med Soc** 128(6):159–61, Jun 76

DRUG THERAPY

[Clinical experience with JO 475 suppositories] Nora J, et al. **Med Chir Dig** 4(1):67–9, 1975 **(Fre)**

ETIOLOGY

Rectouterine fistula associated with the Cu–7 intrauterine contraceptive device. Patchell RD. **Am J Obstet Gynecol** 126(2):292–3, 15Sep 76
Anal fistulae in childhood. Duhamel J. **Am J Proctol** 26(6):40–3, Dec 75
Retrorectal fistula secondary to barium–abscess granuloma: report of a case. McDonald CC, et al. **Dis Colon Rectum** 19(1):71–3, Jan–Feb 76
An etiology of anal fistula in infants. Takatsuki S. **Keio J Med** 25(1):1–4, Jan 76
[Rectal fistulization of a cyst of the ovary] Pelissier FP. **Chirurgie** 100(12):879–83, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**

SURGERY

General anaesthesia for a patient with progressive muscular dystrophy. Yamashita M, et al. **Anaesthesist** 25(2):76–9, Feb 76
Anorectal fistula. Hawley PR. **Clin Gastroenterol** 4(3):635–49, Sep 75
Anorectal problems: discussion. **Dis Colon Rectum** 18(8):669–73, Nov–Dec 75
Anorectal problems: surgical incisions for complicated anal fistulas. Friend WG. **Dis Colon Rectum** 18(8):652–6, Nov–Dec 75
Anorectal problems: the deep postanal space—surgical significance in horseshoe fistula and abscess. Hamilton CH. **Dis Colon Rectum** 18(8):642–5, Nov–Dec 75
Anorectal problems: treatment of abscess and fistula. Hanley PH. **Dis Colon Rectum** 18(8):657–60, Nov–Dec 75
Anorectal prlblems: experience with primary fistulectomy for anorectal abscess, a report of 1,000 cases. McElwain JW, et al. **Dis Colon Rectum** 18(8):646–9, Nov–Dec 75
Repair of prostato–rectal fistula. Rowland FH. **J R Nav Med Serv** 61(2):78–9, Summer 75
[Selection of surgical methods for extrasphincteric rectal fistulas] Boguslavskii LS, et al. **Khirurgiia (Mosk)** (2):60–5, Feb 76 (Eng. Abstr.) **(Rus)**
[Treatment of pararectal fistulas] Kirillov IuB, et al. **Khirurgiia (Mosk)** (12):48–50, Dec 75 (Eng. Abstr.) **(Rus)**
[Classification and treatment of rectal fistula] Aminev AM, et al. **Vestn Khir** 114(1):51–4, Jan 75 **(Rus)**
[Surgical treatment of rectal fistulas] Bezlutskiĭ PG, et al. **Vestn Khir** 115(11):50–3, Nov 75 **(Rus)**
[Surgical treatment of urethro–rectal fistulas in children] Dzhavad–zade MD, et al. **Vestn Khir** 116(3):102–5, Mar 76 **(Rus)**
[Comparative characteristics of the methods of surgical treatment of extrasphincteric rectal fistulas] Salamov KN, et al. **Vestn Khir** 115(11):44–50, Nov 75 (Eng. Abstr.) **(Rus)**

THERAPY

Successful non–operative treatment of high rectal fistula. Deshpande PJ, et al. **Am J Proctol** 27(1):39–47, Feb 76
[Antibacterial prophylaxis of bacteremia and sepsis complicating dilation of rectoperineal fistulas] Berant M, et al. **Harefuah** 90(2):74–5, 15 Jan 76 (Eng. Abstr.) **(Heb)**

RECTAL NEOPLASMS

Villous papilloma of the colon and rectum. Part I. A clinical study of 213 patients. Takolander RJ. **Ann Chir Gynaecol Fenn** 64(5):257–64, 1975
Significance of precancerous lesions in the colon and rectum. Laumonier R. **Biomedicine** 22(5):358–67, Sep 75
The contribution of serum enzymes and carcinoembryonic antigen to the early diagnosis of metastatic colorectal cancer. Cooper EH, et al. **Br J Cancer** 31(1):111–7, Jan 75
The National Large Bowel Cancer Project. Its goals and objectives. Copeland MM. **Cancer** 36(6 Suppl):2308–13, Dec 75
Note of welcome. National Large Bowel Cancer Project: Second Workshop. Hickey RC. **Cancer** 36(6 Suppl):2307, Dec 75
Summary statement on Second Workshop on Large Bowel Cancer. Rawson RW. **Cancer** 36(6 Suppl):2472–8, Dec 75
Symposium: Cancer of the colon and rectum. **Dis Colon Rectum** 19(1):1–24, Jan–Feb 76
Cancer of the colon and rectum: anal cancer in northeast Brazil. de Oliveira D. **Dis Colon Rectum** 19(1):18–9, Jan–Feb 76
* Colo–rectal cancer. Clinical considerations: diagnosis and treatment. pp. 128–43. **In: Weisburger JH, et al., ed. Colo–rectal cancer. Geneva, International Union Against Cancer, 1975. W1 U413 v.19 1975.** (27 ref.)
Colorectal cancer—prognostic signs in 'local disease'. Lerner HJ. **J Surg Oncol** 7(5):395–402, 1975 (32 ref.)
Letter: Is a villous adenoma of the rectum an endocrine tumour? Joffe SN, et al. **Lancet** 2(7946):1211–2, 13 Dec 75
Large bowel cancer: a retrospective study of 635 cases. Cohen J, et al. **Med J Aust** 1(14):437–40, 5 Apr 75
Carcinoma of the rectum. Pendower JE. **Nurs Times** 72(33):1266–9, 19 Aug 76
Carcinoma of the rectum. Lee YT. **Rev Surg** 33(2):75–95, Mar–Apr 76 (148 ref.)
Multiple intestinal cancers. Beiles C. **S Afr J Surg** 13(1):61, Mar 75
Adenocarcinoma of the colon and rectum in young adults. Scarpa JF, et al. **South Med J** 69(1):24–7, Jan 76
Carcinoma of the colon and rectum. A rational approach based upon clinical experience and laboratory investigation. Enker WE. **Surg Clin North Am** 56(1):175–87, FEB 76
[Surgical treatment of pulmonary metastases from rectocolic cancers. Apropos of 21 cases] Kaswin R, et al. **J Chir (Paris)** 111(2):167–74, Feb 76 (Eng. Abstr.) **(Fre)**
[Recto–colic polyps and cancers] Lefebvre C, et al. **Rev Med Liege** 30(11):370–2, 1 Jun 75 **(Fre)**
[Bone metastases of colonic and rectal neoplasms. Apropos of 11 cases] Cayla J, et al. **Sem Hop Paris** 51(8):507–18, 14 Feb 75 (Eng. Abstr.) **(Fre)**
[Multiple lipomas of the colon and rectum] Diot AS, et al. **Sem Hop Paris** 52(24):1467–76, 23 Jun 76 (Eng. Abstr.) **(Fre)**
[Recurrence of rectal cancer (author's transl)] Winkler R. **Langenbecks Arch Chir** 338(3):215–23, 9 Jun 75 (Eng. Abstr.) **(Ger)**
[Fever, spasms and general malaise: rectal cancer] Hara K, et al. **Jpn J Clin Med** Spec No:888–9, 1334–7, 10 Apr 75 **(Jpn)**
[Rectal angiomatosis] Butsenko VN, et al. **Khirurgiia (Mosk)** (4):114–5, Apr 76 **(Rus)**
[Rectal neoplasms in persons under 40 years of age] Fedorov VD, et al. **Khirurgiia (Mosk)** (4):44–7, Apr 76 (Eng. Abstr.) **(Rus)**
[Rectal hydroadenocarcinoma] Smirnova–Stetsenko ES, et al. **Khirurgiia (Mosk)** (4):113–4, Apr 76 **(Rus)**
[Cancer of the rectum (according to data of the Rovno District Oncological Dispensary)] Dryzhak VI. **Vopr Onkol** 22(2):91–4, 1976 (Eng. Abstr.) **(Rus)**
[Experience in the diagnosis and treatment of cancer of the rectum] Nelmark II. **Vopr Onkol** 22(2):85–91, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Plasma carcinoembryonic antigen (CEA), tumor CEA, and tumor histology. Boyd CR, et al. **Surg Forum** 26:124–6, 1975

BLOOD

[Immunologic determination of 3–hydroxyanthranilic acid in the blood of patients with tumors of the large intestine and rectum] Korosteleva TA, et al. **Vopr Onkol** 22(5):28–32, 1976 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Transplantable adenocarcinomas from color–rectal tumors induced by infusion of N–methyl–N'–nitro–N–nitrosoguanidine in ACI/N rats. Goto K, et al. **Gann** 66(1):89–93, Feb 75
Colo–rectal cancer. Carcinogenesis and biochemical mechanism: animal models. pp. 34–64. **In: Weisburger JH, et al., ed. Colo–rectal cancer. Geneva, International Union Against Cancer, 1975. W1 U413 v.19 1975.** (66 ref.)

CLASSIFICATION

Letter: Dukes classification of carcinoma of the rectum. Lindstrom CG. **Br Med J** 1(6007):461, 21 Feb 76
[Stage categorization and classification of colonic and rectal carcinomas from the pathologic–anatomical and surgical viewpoints] Flenker H, et al. **Med Welt** 27(10):449–52, 5 Mar 76 **(Ger)**

COMPLICATIONS

Synchronous carcinoma of the colon and rectum. Hancock RJ. **Am Surg** 41(9):560–3, Sep 75
Portal pyaemia secondary to carcinoma of the rectum. Ritchie JD. **Aust NZ J Surg** 45(3):284–5, Aug 75
An unusual presentation of carcinoma of the rectum. Nagulesparan M, et al. **Br J Surg** 63(3):251, Mar 76
The acute abdomen and colorectal cancer. Portin BA. **Compr Ther** 1(4):57–9, Aug 75
Synchronous adenocarcinoma of the vermiform appendix and the rectosigmoid: case report and review of the literature. Birla RK, et al. **Dis Colon Rectum** 18(8):678–84, Nov–Dec 75
[Villous tumor of the rectum. Severe hydroelectrolytic depletion. Electronmicroscopy. Dosage of carcinoembryonic antigen. Presence of immunoglobulins

in the mucus (author's transl)] Bekhti A, et al. **Acta Gastroenterol Belg** 38(5–6):227–36, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Occlusion caused by sigmoido-rectal invagination of a voluminous degenerated villous tumor] des Mesnards G, et al. **Chirurgie** 101(2):164–7, 5–19 Feb 75 (Eng. Abstr.) **(Fre)**

[Renal insufficiency and diabetes cured by removal of a villous tumor of the rectum] Eugène C, et al. **Nouv Presse Med** 5(12):781–3, 20 Mar 1976 (Eng. Abstr.) **(Fre)**

[Periarteritis nodosa and cancer. Apropos of 2 cases] Godeau P, et al. **Sem Hop Paris** 51(40):2415–9, 9 Oct 75 (Eng. Abstr.) **(Fre)**

[Villous adenoma of the rectum with hypotensive dehydration and extrarenal uremia (author's transl)] Weise HJ, et al. **Munch Med Wochenschr** 118(14):435–8, 2 Apr 76 (Eng. Abstr.) **(Ger)**

[Morphological and enzymatic studies of the supratumoral distended colonic loop in colorectal cancers (therapeutic aspects)] Stoica T, et al. **Rev Chir [Chir]** 24(5):353–9, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Simultaneous liver resection and lower lobectomy of the left lung in single metastases of rectal cancer] Pirogov AI, et al. **Khirurgiia (Mosk)** (4):111–2, Apr 76 **(Rus)**

DIAGNOSIS

A clinico–pathological study of cancer of the rectum. Vaidya MP, et al. **Am J Proctol** 27(1):75–84, Feb 76

Rectal and sigmoid involvement secondary to carcinoma of the prostate. Gengler L, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):910–7, Dec 75

Diagnostic value of biopsies in villous papilloma of the colon and rectum. Takolander RJ, et al. **Ann Chir Gynaecol Fenn** 64(6):327–31, 1975

Detecting colorectal cancer. Ross TH, et al. **Ariz Med** 33(6):445–8, Jun 76

Editorial: Search for presymptomatic large bowel cancer. **Br Med J** 4(5997):605–6, 13 Dec 75

Proctosigmoidoscopy—age criteria for examination in the asymptomatic patient. Corman ML, et al. **CA** 25(5):286–90, Sep–Oct 75

Endometrioma masquerading as an anorectal abscess: report of a case. Swerdlow DB. **Dis Colon Rectum** 18(7):620–2, Oct 75

Signs and symptoms of carcinoma of the colon and rectum. Review of 49 cases. Sande GM. **East Afr Med J** 52(7):365–71, Jul 75

Letter: Colorectal cancers. Cady B, et al. **JAMA** 233(13):1356, 29 Sep 75

Letter: Presentation of rectal leiomyoma. Hughes RG. **Lancet** 1(7964):862, 17 Apr 76

Editorial: Tumours of the colon and rectum. **Med J Aust** 1(9):251–2, 28 Feb 76

Difficulties with the diagnosis of linitis plastica carcinoma of the rectum and anal canal. Smith CJ. **Med J Aust** 1(2 suppl):23–6, 28 feb 76

Anorectal melanoma. Problems of histopathologic diagnosis. Moraru I, et al. **Morphol Embryol (Bucur)** 22(3):187–90, Jul–Sep 76 (Eng. Abstr.)

Diagnosis of cancer of colon and rectum. Hanley PH. **Tex Med** 71(11):53–5, Nov 75

Diagnosis and prognosis of early cancer of the colon and rectum. Watanabe H, et al. **Tohoku J Exp Med** 119(3):265–74, Jul 76

[The value of laparoscopy in a surgical department in the provinces] Honcke AH, et al. **Ugeskr Laeger** 138(5):272–4, 26 Jan 76 (Eng. Abstr.) **(Dan)**

[Contributions of pathological anatomy in the prognostic evaluation of rectal cancer] Heimann R. **Acta Gastroenterol Belg** 38(7–8):260–2, Jul–Aug 75 **(Fre)**

[Multidisciplinary treatment of cancers of the rectum. Clinical diagnosis] Vosse–Matagne G. **Acta Gastroenterol Belg** 38(7–8):249–59, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Carcinoid tumors of the rectum] Sicard JL, et al. **Nouv Presse Med** 5(1):23–4, 3 Jan 76 **(Fre)**

[Rectosigmoid angiomatosis. Study of a personal case associated with a minimal Klippel–Trenaunay's syndrome] Freysz H, et al. **Pediatrie** 30(5):525–31, Jul–Aug 75 **(Fre)**

[Value and limits of the determination of carcinoembryonic antigen (CEA) in postoperative evaluation of patients with colonic and rectal carcinomas] Jaeger P, et al. **Schweiz Med Wochenschr** 105(46):1533–8, 15 Nov 75 (Eng. Abstr.) **(Fre)**

[Prognosis of colonic and rectal cancer under selection free conditions (author's transl)] Pothe H. **Arch Geschwulstforsch** 45(7):685–93, 1975 (Eng. Abstr.) **(Ger)**

[Isolated malignant lymphoma of the rectum(author's transl)] Correia JP, et al. **Leber Magen Darm** 5(6):246–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Editorial: Early diagnosis of rectal and colonic carcinoma] Ottenjann R. **Munch Med Wochenschr** 118(34):7–8, 20 Aug 76 **(Ger)**

[Delay in the diagnosis of sigmoid–rectal carcinomas] Kieninger G, et al. **Zentralbl Chir** 100(6):352–8, 1975 **(Ger)**

[Rectal carcinoma in the woman] Otto HH. **Zentralbl Chir** 101(9):531–4, 1976 **(Ger)**

[Nuclear morphology in false negative and negative rectal biopsies (author's transl)] Rilke F, et al. **Tumori** 61(2):199–209, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Cytological diagnosis of rectal polyps] Lazarev IM. **Arkh Patol** 37(5):70–5, 1975 (Eng. Abstr.) **(Rus)**

[Melanoma and leiomyosarcoma of the rectum] Brusilovskiĭ MI, et al. **Khirurgiia (Mosk)** (9):53–6, Sep 75 (Eng. Abstr.) **(Rus)**

[LDH isoenzymes in homogenates of cancerous tumors and polyps of the rectum and large intestine] Chernomordik AE, et al. **Vopr Onkol** 21(5):56–60, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Editorial: Adjuvant chemotherapy in colorectal cancer. **Br Med J** 2(6031):342–3, 7 Aug 76

Comparison of 5–fluorouracil with 5–fluorouracil, cyclophosphamide, and methotrexate in metastatic colorectal carcinoma. Richards F 2d, et al. **Cancer** 36(5):1589–92, Nov 75

Chemotherapy of large intestinal carcinoma. Current results and future prospects. Schein PS, et al. **Cancer** 36(6 Suppl):2418–20, Dec 75

Comparison of continuously infused 5–fluorouracil with bolus injection in treatment of patients with colorectal adenocarcinoma. Seifert P, et al. **Cancer** 36(1):123–8, Jul 75

Phase II study of ICRF–159 (NSC–129943) in advanced colorectal carcinoma. Marciniak TA, et al. **Cancer Chemother Rep** 59(4):761–3, Jul–Aug 75

Phase II study of chromomycin A3 (NSC–58514) in advanced colorectal carcinoma. Moertel CG, et al. **Cancer Chemother Rep** 59(3):577–9, May–Jun 75

Phase II study of cytembena (NSC–104801) in advanced colorectal carcinoma. Moertel CG, et al. **Cancer Chemother Rep** 59(3):581–3, May–Jun 75

Methyl–CCNU (NSC–95441) in advanced colorectal carcinoma after failure of 5–fluorouracil (NSC–19893) therapy. Cedermark BJ, et al. **Cancer Treat Rep** 60(3):235–8, Mar 76

Chemoprophylaxis for patients with colorectal cancer. Prospective study with five–year follow–up. Li MC, et al. **JAMA** 235(26):2825–8, 28 Jun 76

Editorial: Progress in the treatment of colorectal cancer. Mavligit GM, et al. **JAMA** 235(26):2855, 28 Jun 76

Intraluminal and intravenous 5–FU chemotherapy adjuvant to surgery for resectable colorectal cancer. A clinical cooperative multihospital project. Grossi CE, et al. **Panminerva Med** 17(7–8):246–50, Jul–Aug 75

Effect of ascorbic acid on rectal polyps of patients with familial polyposis. DeCosse JJ, et al. **Surgery** 78(5):608–12, Nov 75

Effect of ascorbic acid on rectal polyps of patients with familial polyposis. De Cosse JJ, et al. **Wis Med J** 75(1):S8, Jan 76

[Chemotherapy of cancer of the rectum (author's transl)] Longueville J. **Acta Gastroenterol Belg** 38(7–8):280–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Prediction of local recurrence in colorectal carcinoma: an LDH isoenzymatic assay. Langvad E, et al. **Br J Cancer** 31(6):661–4, Jun 75

Arylsulfatse B in colorectal cancer. Morgan LR Jr, et al. **Cancer** 36(6 Suppl):2337–45, Dec 75

Cancer of the colon and rectum: collagenase activity in patients who have rectal carcinoma. Hawley PR. **Dis Colon Rectum** 19(1):9–10, Jan–Feb 76

Elevated serum acid phosphatase levels with rectal carcinoid tumor. Davidson ED, et al. **Gastroenterology** 70(1):114–6, Jan 76

Letter: Membrane fragments with koinozymic properties released from villous adenoma of the rectum. De Broe M, et al. **Lancet** 2(7946):1214–5, 13 Dec 75

Collagenase activity in rectal and colonic biopsies. Sturzaker HG, et al. **Proc R Soc Med** 68(1):33, Jan 75

ETIOLOGY

Colorectal cancer and consumption of beef and fat. Enstrom JE. **Br J Cancer** 32(4):432–9, Oct 75

Rectal polyps and their relationship to cancer. Whitehead R. **Clin Gastroenterol** 4(3):545–61, Sep 75

The association between colorectal cancer and breast cancer. Howell MA. **J Chronic Dis** 29(4):243–61, Apr 76

The role of ecologic analysis in studies of the etiology of disease: a discussion with reference to large bowel cancer. Stavraky KM. **J Chronic Dis** 29(7):435–44, Jul 76

[Origin of rectosigmoid cancer from precancerous processes] Ianchev V, et al. **Vutr Boles** 14(4):63–8, 1975 (Eng. Abstr.) **(Bul)**

[Rectal plasmacytoma during development of Kahler's disease] Boyer J, et al. **Sem Hop Paris** 52(25–28):1544–6, 10–20 Jun 76 **(Fre)**

FAMILIAL & GENETIC

Family studies in cancer of the colon and rectum. Lovett E. **Br J Surg** 63(1):13–18, Jan 76

The cancer family syndrome and familial clustering of solitary colorectal carcinoma: surgical and theoretical considerations. Smith WG. **Dis Colon Rectum** 19(2):126–32, Mar 76

Growth abnormalities of cultured human skin fibroblasts derived from individuals with hereditary adenomatosis of the colon and rectum. Pfeffer L, et al. **J Cell Physiol** 89(1):29–37, Sep 76

[Letter: Diffuse rectocolic polyposis associated with osteo–onychodysplasia] Volle L, et al. **Nouv Presse Med** 5(21):1362, 22 May 76 **(Fre)**

IMMUNOLOGY

Phytohemagglutinin–stimulated immune response. Assay in colorectal carcinoma patients. Kaplan MS, et al. **Arch Surg** 110(10):1217–20, Oct 75

The leucocyte adherence inhibtion test in cancer of the large bowel. Armitstead PR, et al. **Br J Cancer** 32(5):568–73, Nov 75

The monolayer and organ culture of human colorectal carcinomata and the associated 'normal' colonic mucosa and their production of carcinoembryonic antigens. Breborowicz J, et al. **Br J Cancer** 31(5):559–69, May 75

CEA levels in patients with colorectal polyps. Doos WG, et al. **Cancer** 36(6):1996–2003, Dec 75

The demonstration of carcinoembryonic antigen in colorectal carcinoma and colonic polyps using an immunoperoxidase technique. Isaacson P, et al. **Cancer** 38(3):1348–56, Sep 76

Carcinoembryonic antigen: clinical and historical aspects. Martin EW Jr, et al. **Cancer** 37(1):62–81, Jan 76

Correlation of regional lymph node in vitro antitumor immunoreactivity histology with colorectal carcinoma. Pihl E, et al. **Cancer Res** 36(10):3665–71, Oct 76

The role of carcinoembryonic antigen (CEA) in colorectal cancer. Booth SN, et al. **Compr Ther** 1(4):49–56, Aug 75

Carcinoembryonic antigen in colorectal practice: report of three cases. Martin EW Jr, et al. **Dis Colon Rectum** 19(2):99–106, Mar 76

Migration inhibition with various cell fractions in human colorectal cancer. Armitstead PR, et al. **Gut** 16(12):968–72, Dec 75

Colo–rectal cancer. Immunology: diagnostic and therapeutic. pp. 99–127. **In: Weisburger JH, et al., ed. Colo–rectal cancer. Geneva, International Union Against Cancer, 1975. W1 U413 v.19 1975.** (61 ref.)

Detection in colorectal carcinoma patients of antibody cytotoxic to established cell strains derived from carcinoma of the human colon and rectum. Schultz RM, et al. **Int J Cancer** 16(1):16–23, 15 Jul 75

In vitro cell–mediated immune reactions of melanoma and colorectal carcinoma patients demonstrated by long–term 51chromium assays. Steele G Jr, et al. **Int J Cancer** 17(1):27–39, 15 Jan 76

Radioiodinated antibody to carcinoembryonic antigen: binding to normal and cancerous human colon in vitro. Coates JE, et al. **J Natl Cancer Inst** 55(1):25–7, Jul 75

Antibodies in normal rabbit serum that react with tissue–specific antigens on the plasma membranes of human adenocarcinoma cells. Hager JC, et al. **J Natl Cancer Inst** 56(2):339–44, Feb 76

Prognostic significance of peripheral lymphocyte counts and carcinoembryonic antigens in colorectal carcinoma. Kim US, et al. **J Surg Oncol** 8(3):257–62, 1976

Carcinoembryonic antigen in hereditary adenomatosis of the colon and rectum. Alm T, et al. **Scand J Gastroenterol** 10(8):875–9, 1975

CEA levels at recurrence and metastases; importance for detecting secondary disease. Rieger A, et al. **Scand J Gastroenterol** 10(8):869–74, 1975

In vitro study of cell–mediated immunity of patients with colorectal carcinoma. Elias LL, et al. **Surg Forum** 26:131–2, 1975

Prognostic significance of peripheral lymphocyte counts and association with CEA in colorectal cancer. Kim U, et al. **Surg Forum** 26:129–30, 1975

Some immunologic characteristics of carcinoma of the colon and rectum. Elias EG, et al. **Surg Gynecol Obstet** 141(5):715–8, Nov 75

[Carcinoembryonic antigen (CEA)—disappointment or hope?] Breborowicz J. **Postepy Hig Med Dosw** 30(2):145–57, Mar–Apr 76 **(Pol)**

MORTALITY

Carcinoma of the rectum after surgical treatment—analysis on the survival of patients—. Fedorov VD, et al. **Am J Proctol** 27(3):19–25, Jun 76

Mortality and prognosis of obstructing carcinoma of the large bowel. Dutton JW, et al. **Am J Surg** 131(1):36–41, Jan 76

Influence of lesion size and location on prognosis in rectal adenocarcinoma. Berardi RS. **Int Surg** 61(3):139–40, Mar 76

Some prognostic factors in survival of patients with cancer of the colon and rectum. Godwin JD 2d, et al. **J Chronic Dis** 28(9):441–54, Oct 75

Carcinoma of the rectum at St Vincent's Hospital, Melbourne. Ryan P, et al. **Med J Aust** 1(2 suppl):27–30, 28 feb 76

Survival among patients with liver metastases from cancer of the colon and rectum. Fischerman K, et al. **Scand J Gastroenterol [Suppl]** 11(37):111–5, 1976

[Long–term survival rate of rectal cancer patients following radical operations] Kozhevnikov AI. **Khirurgiia (Mosk)** (9):51–3, Sep 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Colo–rectal polyps in adolescence. Duhamel J. **Am J Proctol** 26(6):36–9, Dec 75

The incidence and clinical significance of rectal polyps. Payne RA. **Ann R Coll Surg Engl** 58(3):241–2, May 76

Gastrointestinal cancer. Its geographic distribution and correlation to breast cancer. Jansson B, et al. **Cancer** 36(6 Suppl):2373–84, Dec 75

Cancer of the colon and rectum: rectal cancer in Mexico. Ruiz-Moreno F, et al. **Dis Colon Rectum** 19(1):6–8, Jan–Feb 76

Colo-rectal cancer. Epidemiology: incidence, diet and metabolic factors. pp. 4–33.
In: Weisburger JH, et al., ed. Colo-rectal cancer. Geneva, International Union Against Cancer, 1975. W1 U413 v.19 1975. (62 ref.)

Recent trends of large bowel cancer in Japan compared to United States and England and Wales. Lee JA.
Int J Epidemiol 5(2):187–94, Jun 76

Carcinoma of the large bowel in the young. el Masri SH, et al. **J R Coll Surg Edinb** 20(5):324–6, Sep 75

[Epidemiology of colorectal cancer] Mac Lennan R.
Bull Cancer (Paris) 62(4):411–8, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Incidence of colorectal neoplasms and their therapeutic management in the Wielkopolska region in the years 1967–1972] Skowrońska I, et al. **Nowotwory** 26(1):15–20, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

[Epidemiology of intestinal and rectal malignant neoplasms] Staszewski J. **Nowotwory** 26(1):9–14, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

A reappraisal of staging and therapy for patients with cancer of the rectum. I. Development of two new systems of staging. Feinstein AR, et al. **Arch Intern Med** 135(11):1441–53, Nov 75

Surgical treatment of hepatic metastases from colorectal cancers. Wilson SM, et al. **Arch Surg** 111(4):330–4, Apr 76

The growth kinetics of xenografts of human colorectal tumours in immune deprived mice. Pickard RG, et al.
Br J Cancer 31(1):36–45, Jan 75

Metastatic adenocarcinoma of the rectum presenting as an epulis: a case report. Moffat DA. **Br J Oral Surg** 14(1):90–2, Jul 76

Measurement of cell production rates in human gastro-intestinal cancer—a guide to treatment? Britton DC, et al. **Br J Surg** 62(10):813–5, Oct 75

The Paneth cell in the adenoma of familial polyposis coli. Iwama T, et al. **Bull Tokyo Med Dent Univ** 22(2):151–4, Jun 75

Liver metastases found by follow-up of patients operated on for colorectal cancer. Almersjö O, et al. **Cancer** 37(3):1454–7, Mar 76

Growth kinetics of human large bowel cancer growing in immune-deprived mice and some chemotherapeutic observations. Lamerton LF, et al. **Cancer** 36(6 Suppl):2431–6, Dec 75

The evolution of cancer of the colon and rectum. Muto T, et al. **Cancer** 36(6):2251–70, Dec 75

Mucinous carcinoma of the colon and rectum. Symonds DA, et al. **Cancer** 37(4):1891–1900, Apr 76

In vitro autoradiographic determination of cell kinetic parameters in adenocarcinomas and adjacent healthy mucosa of the human colon and rectum. Bleiberg H, et al. **Cancer Res** 36(2 Pt 1):325–8, Feb 76

Staging colorectal cancer: is there a role for liver biopsy? Rosenbloom B, et al. **Cancer Treat Rep** 60(3):295–6, Mar 76

Acute complications of colo-rectal cancer: site, stage and survival. Fielding LP, et al. **Clin Oncol** 1(2):121–6, Jun 75

Bone scanning in carcinomas of the colon and rectum. Antoniades J, et al. **Dis Colon Rectum** 19(2):139–43, Mar 76

Perianal verrucose carcinoma spreading to the rectum: report of a case. Drut R, et al. **Dis Colon Rectum** 18(6):516–21, Sep 75

Is rectal carcinoid argyrophilic? Application of Grimelius' silver nitrate stain in four cases. Hosoda S, et al.
Dis Colon Rectum 18(5):386–90, Jul–Aug 75

Carcinoma arising in a perianal sinus tract: report of a case. Mosavy SH, et al. **Dis Colon Rectum** 18(5):416–7, Jul–Aug 75

Benign solid teratoma of the fallopian tube with rupture into the rectum: report of a unique rectal tumor. Rakower SR, et al. **Dis Colon Rectum** 19(2):167–71, Mar 76

Anorectal melanoma: report of two cases. Remigio PA, et al. **Dis Colon Rectum** 19(4):350–6, May–Jun 76

Colo-rectal cancer. Pathology: morphology, cell kinetics and cell biology. pp. 65–98.
In: Weisburger JH, et al., ed. Colo-rectal cancer. Geneva, International Union Against Cancer, 1975. W1 U413 v.19 1975. (81 ref.)

Analysis of variance and covariance for colorectal adenocarcinomas in man as a logical prelude to 'staging'. Watson FR, et al. **J Surg Oncol** 8(2):155–63, 1976

Colorectal carcinoma: a prospect clinicopathological study. Pheils MT, et al. **Med J Aust** 1(2 suppl):17–21, 28 feb 76

Accuracy of lymph node assessment in carcinoma of the rectum. Crapp AR, et al. **Proc R Soc Med** 68(10):666–7, Oct 75

[Case of combined malignant disease of the rectum and breast] Deridzhan A, et al. **Khirurgiia (Sofiia)** 28(6):580–1, 1975 **(Bul)**

[Primary malignant ano-rectal melanomas] Ferrand J, et al. **J Med Liban** 27(6):641–54, 1974 (Eng. Abstr.) **(Fre)**

[Polypoid hamartoma of the rectum; a new case] Benoit M, et al. **Lille Med** 21(5):428–9, May 76 **(Fre)**

[A rare rectal tumor: inverse polypoid hamartoma of the rectum (apropos of a case)] Naudin G, et al. **Lille Med** 21(5):430–2, May 76 **(Fre)**

[Inverse polypoid hamartoma of the rectum] Rauber G, et al. **Lille Med** 21(5):423–7, May 76 **(Fre)**

[Rectal carcinoid] Cylwik B, et al. **Nowotwory** 26(1):37–40, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

[Carcinoids of the rectum] Karelin VD. **Arkh Patol** 38(2):43–6, 1976 (Eng. Abstr.) **(Rus)**

[Characteristics of sex chromatin of 'unchanged' mucosa and in adenocarcinoma of the rectum] Petrova AS, et al.
Lab Delo (1):9–11, 1976 **(Rus)**

[Limits of the spread of cancer of the rectum (morphological study)] Protchenko NV. **Vopr Onkol** 22(2):40–4, 1976 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Fibrinolytic activity of carcinoma of the colorectum. Newstead GL, et al. **Surg Gynecol Obstet** 143(1):61–4, Jul 76

[Functional state of the adrenal cortex in patients with cancer of the rectum] Korenevskiĭ LI, et al. **Vopr Onkol** 21(4):3–7, 1975 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The control of large bowel cancers. Present status and it challenges. Rhoads JE. **Cancer** 36(6 Suppl):2314–8, Dec 75

[Editorial: Prevention of rectocolic cancers] Soullard J, et al. **Arch Fr Mal App Dig** 64(3):197–200, Apr–May 75 **(Fre)**

[Rectal carcinoma in women. A contribution to preventive medicine] Otto HH, et al. **Z Aerztl Fortbild (Jena)** 69(5):245–7, 1 Mar 75 **(Ger)**

RADIOGRAPHY

Roentgenological features in villous papilloma of the colon and rectum. Takolander RJ, et al.
Ann Chir Gynaecol Fenn 64(6):332–9, 1975

The radiological demonstraction of colorectal polyps undetected by endoscopy. Laufer I, et al.
Gastroenterology 70(2):167–70, Feb 76

Multiple colorectal carcinoma and barium enema perforation. Krausz M, et al. **J Surg Oncol** 8(4):311–4, 1976

Letter: Screening for colonic and rectal carcinoma. Merlo RB. **JAMA** 235(9):906, 1 Mar 76

Hodgkin's disease of the rectum. Harned RK, et al.
Radiology 120(2):319–20, Aug 76

Hodgkin's disease of the rectum. Harned RK, et al.
Radiology 120(2):319–20, Aug 76

The cleansingenema. Miller RE. **Radiology** 117(2):483–5, Nov 75

[Routine double contrast radiography for the detection of colonic polyps (author's transl)] Marti R, et al.
Arch Fr Mal App Dig 65(3):197–200, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Reliability and value of diagnostic lymphography in carcinoma of the sigmoid, rectum and anus (author's transl)] Musumeci R, et al. **Tumori** 61(5):465–72, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Angiographycally detected leiomyosarcoma of the rectosigmoidal junction] Okada K, et al.
Jpn J Clin Radiol 20(13):1183–8, Dec 75 **(Jpn)**

[Selective lower mesentericography in malignant tumors of the rectum] Drozdovskiĭ BIa, et al. **Med Radiol (Mosk)** 20(8):36–9, Aug 75 **(Rus)**

RADIOTHERAPY

Definitive treatment of carcinoma of the rectum by intracavitary radiation therapy. Jelden G, et al.
Am J Roentgenol 126(4):877–9, Apr 76

Letter: Preoperative radiotherapy in rectal cancer. Duncan W, et al. **Br Med J** 2(6031):366, 7 Aug 76

Preoperative radiation theration therapy in rectal cancer. Kligerman MM. **Cancer** 36(2):691–5, Aug 75

Intracavitary irradiation of early rectal cancer for cure. A series of 186 cases. Papillon J. **Cancer** 36(2):696–701, Aug 75

Preoperative radiotherapy for adenocarcinoma of the rectosigmoid. Stevens KR Jr, et al. **Cancer** 37(6):2866–74, Jun 76

End results of radiation therapy, alone and combination with 5-fluorouracil in colorectal cancers. Vongtama V, et al.
Cancer 36(6):2020–5, Dec 75

Malignant tumours of the rectum. Part I: radiotherapy. Sischy B, et al. **Clin Gastroenterol** 4(3):571–81, Sep 75

Cancer of the colon and rectum: endocavitary contact radiation for carcinoma of the rectum. Sischy B, et al.
Dis Colon Rectum 19(1):15–7, Jan–Feb 76

Letter: Preoperative radiotherapy for colorectal cancer. Roswit B. **JAMA** 236(10):1115, 6 Sep 76

Letter: Preoperative radiotherapy in rectal cancer. Duncan W, et al. **Lancet** 2(7981):364–5, 14 Aug 76

Postoperative radiotherapy in carcinomas of the rectum and distal sigmoid colon. Mendiondo OA, et al. **Radiology** 119(3):673–6, Jun 76

Treatment of carcinoma of the rectum by intracavitary irradiation. Sischy B, et al. **Surg Gynecol Obstet** 141(4):562–4, Oct 75

[Radiotherapy in the cancer of the rectum (author's transl)] Feremans W. **Acta Gastroenterol Belg** 38(7–8):273–7, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Interstitial curietherapy with iridium 192 applied to small cancers of the rectum (author's transl)] Papillon J, et al.
J Radiol Electrol Med Nucl 56(5):439–42, May 75 (Eng. Abstr.) **(Fre)**

[Role of radiotherapy in the treatment of rectal cancer] Benoit P. **Sem Hop Ther** 52(1):49–51, Jan 76 **(Fre)**

[Role of radiotherapy in epitheliomas of the rectum and colon] Tawil E, et al. **Union Med Can** 105(7):1058–62, Jul 76 (Eng. Abstr.) **(Fre)**

[Preoperative radiotherapy of rectal and rectosigmoid carcinoma] Sack H. **Dtsch Med Wochenschr** 100(52):2651–3, 26 Dec 75 **(Ger)**

[Preoperative irradiation of the rectal cancer (author's transl)] Kitagawa T, et al. **J Jpn Soc Cancer Ther** 10(1):28–33, 20 Mar 75 (Eng. Abstr.) **(Jpn, Jpn)**

[Intraoperative interstitial therapy with granulated radioactive gold in anoractal cancer] Bucur A, et al.
Rev Chir [Chir] 23(8):677–83, Sep–Oct 74 (Eng. Abstr.) **(Rum)**

SURGERY

Surgical treatment of hereditary adenomatosis of the colon and rectum in Sweden during the last 20 years. Part II. Patients with prophylactic operations, primary and late results. Discussion and summary. Alm T.
Acta Chir Scand 141(3):228–37, 1975

Surgical treatment of hereditary adenomatosis of the colon and rectum in Sweden during the last 20 years. Part I. Introduction. Surgical procedures used. Pre-and postoperative measures. Arrangement of follow-up. Propositi group, primary and late results. Alm T.
Acta Chir Scand 141(3):218–27, 1975

Posterior rectotomy for villous tumours of the rectum Jørgensen SJ, et al. **Acta Chir Scand** 141(7):680–2, 1975

Cancer of the colon and rectum: a review of the newer technics in diagnosis and treatment. Beahrs OH, et al.
Adv Surg 9:235–46, 1975 (62 ref.)

Current thoughts on the surgical treatment of rectal cancer Golematis BC, et al. **Am J Gastroenterol** 65(1):68–73, Jan 76

Rectovaginal endometriosis: an isolated enigma. March CM, et al. **Am J Obstet Gynecol** 125(2):274–5, 15 May 76

A technic for restoring intestinal continuity after left hemicolectomy for cancer of the distal colon and rectum. Hays LV, et al. **Am J Surg** 131(3):390–1, Mar 76

Villous adenomas of the colon and rectum. Jahadi MR, et al. **Am J Surg** 130(6):729–32, Dec 75

Analysis of patient disability after curative resection for colonic and rectal cancer. Orces H, et al. **Am J Surg** 131(1):98–102, Jan 76

Villous adenomas of the colorectum. Welch JP, et al.
Am J Surg 131(2):185–91, Feb 76

Perineal wound healing after abdominoperineal resection. McGarity WC, et al. **Am Surg** 42(3):206–11, Mar 76

Villous papilloma of the colon and rectum. Part II. A follow-up study of 213 patients. Takolander RJ.
Ann Chir Gynaecol Fenn 64(5):265–74, 1975

The surgical treatment of carcinoma of the colon and rectum: an index of quality care and sociologic and geographic distribution. Baughman BB, et al. **Ann Surg** 183(5):550–5, May 76

Carcinoembryonic antigen (CEA) as a prognostic and monitoring test in clinically complete resection of colorectal carcinoma. Herrera MA, et al. **Ann Surg** 183(1):5–9, Jan 76

The curative treatment of carcinoma of the sigmoid, rectosigmoid, and rectum. Wilson SM, et al. **Ann Surg** 183(5):556–65, May 76

A reappraisal of staging and therapy for patients with cancer of the rectum. II. Patterns of presentation and outcome of treatment. Feinstein AR, et al. **Arch Intern Med** 135(11):1454–62, Nov 75

Carcinoma of the colon and rectum. A review of results of surgical treatment in 164 patients. Miller DR, et al.
Arch Surg 111(6):692–6, Jun 76

Pull-through resections for carcinoma of the rectum. Cuthbertson AM, et al. **Aust NZ J Surg** 45(4):337–9, Nov 75

Experiences with appendicostomy old and new. O'Reilly K.
Aust NZ J Surg 45(2):167–9, May 75

The complications of synchronous combined excision for adenocarcinoma of the rectum at St Mark's Hospital. Marks CG, et al. **Br J Surg** 62(11):901–5, Nov 75

Primary suture of the perineal wound following rectal excision for adenocarcinoma. Marks CG, et al.
Br J Surg 63(4):322–6, Apr 76

Factors influencing local recurrence after abdominoperineal resection for cancer of the rectum and rectosigmoid. Moossa AR, et al. **Br J Surg** 62(9):727–30, Sep 75

Rectal sphincter reconstruction in perineal colostomies after abdominoperineal resection for cancer. Simonsen OS, et al. **Br J Surg** 63(5):389–91, May 76

The prognosis after surgical treatment for carcinoma of the rectum. Whittaker M, et al. **Br J Surg** 63(5):384–8, May 76

Patterns of recurrence following surgery alone for adenocarcinoma of the colon and rectum. Cass AW, et al. **Cancer** 37(6):2861–5, Jun 76

Abdominoperineal resection following anterior resection. Sannella NA. **Cancer** 38(1):378–81, Jul 76

Treatment of cancer of the rectum. Abdominoperineal resection or electrocoagulation. Weakley FL. **Cleve Clin Q** 42(2):171–3, Summer 75

Malignant tumours of the rectum. Part II: local excision. Mason AY. **Clin Gastroenterol** 4(3):582–93, Sep 75

Treatment of benign tumours of the rectum. Muldoon JP. **Clin Gastroenterol** 4(3):563–70, Sep 75

Radical surgery in locally advanced cancer of the large bowel. Davies GC, et al. **Clin Oncol** 1(1):21–6, Mar 75

Malignant tumors of the rectum. Localio SA, et al. **Curr Probl Surg** :1–48, Sep 75

The place of pull-through operations in treatment of carcinoma of the rectum. Bennett RS. **Dis Colon Rectum** 19(5):420–4, Jul–Aug 76

Cancer of the colon and rectum: operative management of rectal carcinoma. Failes D. **Dis Colon Rectum** 19(1):2–5, Jan–Feb 76

Elective electrocoagulation of low-lying cancer of the rectum: report of six cases. Feigenbaum HA. **Dis Colon Rectum** 18(7):613–5, Oct 75

Cancer of the colon and rectum: carcinoma of the lower two thirds of the rectum. Mason AY. **Dis Colon Rectum** 19(1):11–4, Jan–Feb 76

Re-exploration for 'unresectable' colonic cancer. Newman HK, et al. **Dis Colon Rectum** 18(7):576–80, Oct 75

Management of focally malignant pedunculated adenomatous colorectal polyps. Shatney CH, et al. **Dis Colon Rectum** 19(4):334–41, May–Jun 76

A comparison of the results of extraperitoneal and intraperitoneal techniques for construction of terminal iliac colostomies. Whittaker M, et al. **Dis Colon Rectum** 19(4):342–4, May–Jun 76

Miles' resection for cancer of the rectum. Kratzer GL. **J Am Geriatr Soc** 24(4):189–91, Apr 76

The 1975 Gordon Richards Memorial Lecture. Is the Miles operation really necessary for the treatment of rectal cancer? Rider WD. **J Can Assoc Radiol** 26(3):167–75, Sep 75

Electrocoagulation of rectal cancer: updated. Turell R. **Mt Sinai J Med NY** 43(3):263–7, May–Jun 76

Cancer and the ostomy patient. Rush AM. **Nurs Clin North Am** 11(3):405–15, Sep 76

The treatment of patients with locally advanced cancer of the large bowel. Davies GC, et al. **Proc R Soc Med** 68(9):571, Sep 75

President's address. Rectal cancer: the spectrum of selective surgery. Mason AY. **Proc R Soc Med** 69(4):237–44, Apr 76

Circulating malignant cells and fibrinolysis during resection of colorectal cancer. White H, et al. **Proc R Soc Med** 69(7):467–9, Jul 76

Controversies in the treatment of colorectal cancer. Hall AW, et al. **Surg Clin North Am** 56(1):189–97, FEB 76

Treatment of obstructing cancer of the colon and rectum. Clark J, et al. **Surg Gynecol Obstet** 141(4):541–4, Oct 75

Letter: The treatment of pedunculated adenomatous colorectal polyps with focal cancer. Gunn LC. **Surg Gynecol Obstet** 141(4):604, Oct 75

Treatment of large villous tumors of the lower rectum by multiple-stage fulguration. Hanley PH. **Tex Med** 72(1):98–101, Jan 76

[Single-step suture in resection surgery for rectosigmoidal cancer] Deredzhian A. **Khirurgiia (Sofiia)** 29(1):3–9, 1976 (Eng. Abstr.) **(Bul)**

[New method for the surgical treatment of generalized polyposis of the large intestine with malignant transformation in the rectum] Dudunkov Z. **Khirurgiia (Sofiia)** 28(5):498–503, 1975 **(Bul)**

[Electrocoagulation of the carcinoma of the rectum under special circumstances] Oberhofer B, et al. **Lijec Vjesn** 97(12):669–72, Dec 75 (Eng. Abstr.) **(Cro)**

[Peroperative implantation metastases in the cancer of the colon and rectum] Cepek Z. **Rozhl Chir** 55(4):269–73, Apr 76 **(Cze)**

[Melanoblastoma of the rectum] Krýsl I. **Rozhl Chir** 55(4):258–9, Apr 76 (Eng. Abstr.) **(Cze)**

[Pull-through operation: pro and con] Ceulemans G, et al. **Tijdschr Gastroenterol** 19:9–23, 1976 (Eng. Abstr.) **(Dut)**

[The role of surgery in the multidisciplinary treatment of cancer of the rectum (author's transl)] Gerard A. **Acta Gastroenterol Belg** 38(7–8):263–72, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[The surgical prospect after irradiation of rectal cancer (author's transl)] Gerard A. **Acta Gastroenterol Belg** 38(7–8):278–9, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Complete obstruction of a silicone ureteral prosthesis] de Leval J, et al. **Acta Urol Belg** 43(1):5–10, Jan 75 **(Fre)**

[Babcock-Bacon type abdominotransanal amputation. Indications and results apropos of 50 cases] Maliakas S, et al. **Ann Chir** 29(6):577–83, Jun 75 (Eng. Abstr.) **(Fre)**

[Excision of various villous tumors of the rectum by the trans-sacral approach and posterior rectotomy. Apropos of 11 cases] Adloff M, et al. **Chirurgie** 101(12):962–8, Dec 75 (Eng. Abstr.) **(Fre)**

[Mechanical suture following resection in cancers of the recto-sigmoid junction and upper rectum] Gautier-Benoit C, et al. **Chirurgie** 100(10):746–9, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Villous tumors of the rectum. Apropos of 30 cases] Hollender LF, et al. **J Chir (Paris)** 110(3):203–16, Sep 75 (Eng. Abstr.) **(Fre)**

[Surgical treatment of villous tumors of the rectum] Lataste J, et al. **J Chir (Paris)** 111(4):409–16, Apr 76 (Eng. Abstr.) **(Fre)**

[Multiple and simultaneous operations on the urinary tract and adjacent organs. II. Urology and abdominal surgery] **J Urol Nephrol (Paris)** 80(12 pt 2):395–418, Dec 74 **(Fre)**

[Local cryosurgical management of colonic and rectal cancer] Langer S, et al. **Fortschr Med** 93(22–23):1047–50, 14 Aug 75 (Eng. Abstr.) **(Ger)**

[Rectal neoplasms: the current state of surgical treatment] Reifferscheid M, et al. **Fortschr Med** 93(26):1189–94, 18 Sep 75 (Eng. Abstr.) **(Ger)**

[Recurrence of rectal cancer (author's transl)] Winkler R. **Langenbecks Arch Chir** 338(3):215–23, 9 Jun 75 (Eng. Abstr.) **(Ger)**

[One-stage resections in cases of carcinoma of the sigma and rectosigmoid (author's transl)] Alken P, et al. **Med Klin** 71(16):673–6, 16 Apr 76 (Eng. Abstr.) **(Ger)**

[Editorial: Rectal carcinoma: preservation of continence or extirpation of the rectum?] Heberer G, et al. **Munch Med Wochenschr** 118(15):7–8, 9 Apr 76 **(Ger)**

[Letter: Villous rectal adenoma with hypotonic dehydratation and the extrarenal uremia] Schega W. **Munch Med Wochenschr** 118(32–33):1019, 6 AUG 76 **(Ger)**

[Result of radical surgery of rectal carcinoma from the view point of a district hospital] Michael D. **Z Aerztl Fortbild (Jena)** 69(13):690–4, 1 Jul 75 **(Ger)**

[Our experiences in the surgical treatment of rectal carcinoma] Dobreff J, et al. **Zentralbl Chir** 101(9):528–30, 1976 **(Ger)**

[Indications and technics of continence-preserving surgery in rectal carcinoma located in the upper part of the rectum] Kiene S, et al. **Zentralbl Chir** 101(9):520–7, 1976 **(Ger)**

[Use of the KZ-sewing machine in rectal surgery] Németh L, et al. **Zentralbl Chir** 101(13):815–7, 1976 **(Ger)**

[Performance figures in the treatment of colonic and rectal carcinoma under selection-free conditions] Pothe H. **Zentralbl Chir** 101(7):415–7, 1976 **(Ger)**

[Behavior of the sphincteral closure apparatus following continence-preserving rectal surgery] Wedell J, et al. **Zentralbl Chir** 100(16):985–9, 1975 **(Ger)**

[Editorial: Electrocoagulation in the treatment of carcinoma of the rectum] Freund H, et al. **Harefuah** 90(4):188–9, 15 Feb 76 **(Heb)**

[Editorial: Colonoscopy for excision of rectal polyps] Levy N. **Harefuah** 89(11):530, 1 Dec 75 **(Heb)**

[Primary healing of the perineal wound after proctectomy] Moscona AR, et al. **Harefuah** 90(2):57–8, 15 Jan 76 (Eng. Abstr.) **(Heb)**

[Changes in the trend in the surgery of colonic and rectal cancer] Dezsö L. **Orv Hetil** 116(40):2351–4, 5 Oct 75 **(Hun)**

[Personal experience in the surgical treatment of recto-sigmoid cancer. Methods and results] Biancalana L. **Minerva Med** 66(79):4125–8, 21 Nov 75 **(Ita)**

[Our criteria in the choice of radical interventions with preservation of the sphincter in cancer of the proximal rectum] Corsi C, et al. **Minerva Med** 66(68):3587–8, 13 Oct 75 **(Ita)**

[Immediate and long-term results of anterior resection in tumors of the rectum and sigmoid (author's transl)] Gennari L, et al. **Tumori** 61(3):237–47, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Functional bladder disorders following rectal amputation] Renkielski J. **Pol Przegl Chir** 48(7):893–8, Jul 76 (Eng. Abstr.) **(Pol)**

[Suction drainage of presacral space following abdomino-perineal amputation of the rectum because of carcinoma] Zalewski J, et al. **Pol Przegl Chir** 48(4):501–4, Apr 76 (Eng. Abstr.) **(Pol)**

[Colorectal neoplasms] Cienciala A, et al. **Wiad Lek** 29(14):1253–5, 15 Jul 76 (Eng. Abstr.) **(Pol)**

[Local treatment of cancer of the rectum] Cutait DE. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):85–6, Mar–Apr 76 **(Por)**

[Surgical treatment of rectal cancer] Fedorov VD, et al. **Khirurgiia (Mosk)** (5):126–31, May 75 (Eng. Abstr.) **(Rus)**

[Prediction of the results of the radical surgical treatment of rectal cancer] Fedorov VD, et al. **Khirurgiia (Mosk)** (9):47–51, Sep 75 (Eng. Abstr.) **(Rus)**

[Combined and extended operations in rectal cancer] Pokrovskiĭ GA, et al. **Khirurgiia (Mosk)** (4):48–52, Apr 76 (Eng. Abstr.) **(Rus)**

[Selection of the method of treatment of rectal cancer in the light of factors of immediate and late prognosis] Smirnova-Stetsenko ES. **Khirurgiia (Mosk)** (11):75–80, Nov 75 (Eng. Abstr.) **(Rus)**

[Organ-saving operations in rectal cancer] Miloslavskiĭ IM. **Klin Khir** (8):13–6, Aug 75 (Eng. Abstr.) **(Rus)**

[Changes in blood serum proteins in oncological patients before and after surgical treatment] Evtiukhin AI. **Probl Gematol Pereliv Krovi** 20(4):21–4, Apr 75 (Eng. Abstr.) **(Rus)**

[State and perspectives of the treatment of patients with cancer of the rectum] Knysh BI, et al. **Vestn Akad Med Nauk SSSR** (2):52–6, 1976 (Eng. Abstr.) **(Rus)**

[Sphincter-preserving operations in rectal cancer] Napalkov PN, et al. **Vestn Khir** 116(4):60–1, Apr 76 (Eng. Abstr.) **(Rus)**

[X-ray diagnosis of local complications after anterior resection of the rectum and sigmoid] Sidorov VS, et al. **Vestn Rentgenol Radiol** (5):30–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Conservative operations in malignant tumors of the rectum and the sigmoid colon] Fedorov VD, et al. **Vopr Onkol** 21(9):41–5, 1975 (Eng. Abstr.) **(Rus)**

[Our experience in the treatment of carcinoma of the rectum] Duknić M, et al. **Vojnosanit Pregl** 32(5):507–11, Sep–Oct 75 (Eng. Abstr.) **(Ser)**

[Low anterior resection of the rectum with transanal anastomosis in situ] Bervar M, et al. **Zb Vojnomed Akad** :109–13, 1974 **(Ser)**

[Malignant anorectal melanoma] Regodon Vizcaino J, et al. **Rev Esp Enferm Apar Dig** 48(1):79–88, Jul 76 **(Spa)**

THERAPY

Adjuvant immunotherapy and chemoimmunotherapy in colorectal cancer of the Dukes' C classification. Preliminary clinical results. Mavligit GM, et al. **Cancer** 36(6 Suppl):2421–7, Dec 75

Symposium: Cancer of the colon and rectum: discussion. **Dis Colon Rectum** 19(1):20–4, Jan–Feb 76

Editorial: Large-bowel cancer–The current status of treatment. Carter SK. **J Natl Cancer Inst** 56(1):3–10, Jan 76

Letter: Immunotherapy for colorectal cancer. Evans JT. **Lancet** 1(7971):1248, 5 Jun 76

Letter: Immunotherapy for colorectal cancer. Hsu LY, et al. **Lancet** 1(7973):1349–50, 19 Jun 76

Prolongation of postoperative disease-free interval and survival in human colorectal cancer by B.C.G. or B.C.G. plus 5-fluorouracil. Mavligit GM, et al. **Lancet** 1(7965):871–6, 24 Apr 76

Long-term results in rectum carcinoma. Patients followed up during the period 1959–1968. Godál A, et al. **Neoplasma** 22(6):661–72, 1975

The treatment of metastatic cancer of the liver from primary cancers of the rectum and colon. Results of different means of therapy. Ariel IM. **Panminerva Med** 17(11–12):405–8, Nov–Dec 75

The treatment of cancer of the large intestine. Wallack MK, et al. **Surg Gynecol Obstet** 142(1):97–103, Jan 76

[Neuroleptoanesthesia for patients subjected to irradiation for cancer of the stomach and rectum] Beliakov PD, et al. **Vopr Onkol** 21(5):35–40, 1975 (Eng. Abstr.) **(Rus)**

[Results of intensive combination treatment of patients with cancer of the rectum] Simbirtseva LP, et al. **Vopr Onkol** 21(4):7–12, 1975 (Eng. Abstr.) **(Rus)**

[The frequency of tumor cell detection in the abdominal cavity during combined treatment of rectal cancer] Zybina MA, et al. **Vopr Onkol** 21(6):59–65, 1975 (Eng. Abstr.) **(Rus)**

VETERINARY

Rectal polyp in an English Bulldog (a case report). Chaffee VW, et al. **Vet Med Small Anim Clin** 71(2):169–70, Feb 76

RECTAL PROLAPSE

COMPLICATIONS

[Evisceration of the small intestine through the ruptured wall of prolapsed rectum] Tylicki M. **Pol Przegl Chir** 48(7):939–41, Jul 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Symposium: Procidentia of the rectum: internal intussusception of the rectum (Stage I rectal prolapse). Ripstein CB. **Dis Colon Rectum** 18(6):458–60, Sep 75

DRUG THERAPY

[Again on the treatment of rectal prolapse in children] Malyshev IuI, et al. **Klin Khir** (8):50–3, Aug 75 **(Rus)**

ETIOLOGY

Anatomical causes of rectal prolapse. Parks AG. **Proc R Soc Med** 68(1):26–7, Jan 75

Spontaneous rupture of the rectosigmoid colon with anal evisceration: a new complication of uterine prolapse. Shafiroff BB, et al. **Surgery** 79(3):360–2, Mar 76

PATHOLOGY

[High degree of insufficiency of the pelvic muscular floor (prolapsus uteri et recti. Insufficientia sphincteris urethrae et ani externi)] Markov M, et al. **Akush Ginekol (Sofiia)** 14(2):151–2, 1975 **(Bul)**

PHYSIOPATHOLOGY

The mechanism of rectal prolapse. Pantanowitz D, et al. **S Afr J Surg** 13(1):53–6, Mar 75

SURGERY

Treatment of complete prolapse of the rectum by the vaginal approach. Wiersema JS. **Arch Chir Neerl** 28(1):25–31, 1976

A parasacral approach to rectal prolapse. Woods JH, et al. **Arch Surg** 111(8):914–5, Aug 76

Treatment of rectal prolapse. Goldberg SM, et al. **Clin Gastroenterol** 4(3):489–504, Sep 75

Symposium: Procidentia of the rectum: discussion. **Dis Colon Rectum** 18(6):478–82, Sep 75

Symposium: Procidentia of the rectum: Ivalon-sponge repair. Hawley P. **Dis Colon Rectum** 18(6):461–3, Sep 75

Symposium: Procidentia of the rectum: teflon sling repair of rectal prolapse, Lahey Clinic experience. Jurgeleit HC, et al. **Dis Colon Rectum** 18(6):464–7, Sep 75
Symposium: Procidentia of the rectum: results of abdominal rectopexy in the elderly. Kirkman NF. **Dis Colon Rectum** 18(6):470–2, Sep 75
Symposium: Procidentia of the rectum: the Ripstein operation. Morgan B. **Dis Colon Rectum** 18(6):468–9, Sep 75
Symposium: Procidentia of the rectum: transsacral repair. Thomas CG Jr. **Dis Colon Rectum** 18(6):473–7, Sep 75
[Combined treatment of rectal and anal prolapse] Pietrak A. **Pol Przegl Chir** 47(8):1025–7, Aug 75 (Eng. Abstr.) **(Pol)**
[Rectal prolapse. Original contribution to surgical treatment] Hebrero San Martin J, et al. **Rev Esp Enferm Apar Dig** 46(4):403–16, Oct 75 **(Spa)**

THERAPY

Prolasping thrombosed haemorrhoids: outcome of conservative management. Grace RH, et al. **Br Med J** 3(5979):354, 9 Aug 75
Electronic activation of the spincters in the treatment of rectal prolapse. Hopkinson BR. **Proc R Soc Med** 68(1):21–2, Jan 75

VETERINARY

Amputation of prolapsed rectum in young pigs. Kjar HA. **J Am Vet Med Assoc** 168(3):229–30, 1 Feb 76

RECTOCOLITIS see under **COLITIS**

RECTOVAGINAL FISTULA

ETIOLOGY

Rectovaginal fistula in patients with colitis: review and report of a case. Faulconer HT, et al. **Dis Colon Rectum** 18(5):413–5, Jul–Aug 75

SURGERY

[Recto-vaginal fistulae: causes, treatment, results (author's transl)] Neher M, et al. **Dtsch Med Wochenschr** 101(27):1020–6, 1035, 2 Jul 76 (Eng. Abstr.) **(Ger)**
[Treatment of an inoperable vesicopvagino–rectal fistula] Németh A, et al. **Z Urol Nephrol** 68(4):287–8, Apr 75 **(Ger)**

RECTUM

Letter: Measurement of electrical potential difference across colonic mucosa in cystic fibrosis patients. Darby CW, et al. **Acta Paediatr Scand** 64(5):770, Sep 75
A foreign body in the rectum presenting as a vulval abscess. A case report. Aletor GA. **Br J Obstet Gynaecol** 82(12):1005–6, Dec 75
Rectal biopsy in the diagnosis of neurological disease in childhood. Smith P, et al. **Br J Surg** 63(4):313–6, Apr 76
Letter: Bacteraemia following rectal biopsy. Buckell N. **Br Med J** 1(6017):1076–7, 1 May 76
Vaginal vibrator lodged in rectum. Haft JS, et al. **Br Med J** 1(6010):626, 13Mar 76
Removal of impacted rectal foreign body with obstetric forceps. Peet TN. **Br Med J** 1(6008):500–1, 28 Feb 76
Intraoperative Chaffin sump recto–colonic irrigation. Thow GB. **Dis Colon Rectum** 19(4):330–3, May–Jun 76
Effect of rectal palpation on pregnancy rate of nonlactating, normally cycling mares. Voss JL, et al. **J Anim Sci** 41(3):829–34, Sep 75
Anorectal Manometry as a diagnostic method in the neonatal period. Boston VE, et al. **J Pediatr Surg** 11(1):9–16, Feb 76
The effect of rectal palpation on the fertility of cyclic mares. Voss JL, et al. **J Reprod Fertil [Suppl]** (23):285–90, Oct 75
Unusual foreign body in the rectum. Lal M. **Med J Malaysia** 29(4):309–10, Jun 75
An evaluation of the function of new special equipment for transrectal ultrasonotomography. Watanabe H, et al. **Tohoku J Exp Med** 118(4):387–92, Apr 76
[Measurement of body temperature in the auditory canal or in the rectum: first experience with a device for continuous registration of body temperature of psychiatric patients (author's transl)] Giedke H, et al. **Arzneim Forsch** 26(6):1128–9, 1976 (Eng. Abstr.) **(Ger)**
[Preserving of continence in the treatment of familial polyposis of the colon. Technic of peeling off of the rectal mucosa] Schennach W, et al. **Chirurg** 47(8):446–8, Aug 76 **(Ger)**
[Perineal and transrectal needle biopsy of the prostate (author's transl)] Chiari R, et al. **Urologe [A]** 14(6):296–8, Nov 75 (Eng. Abstr.) **(Ger)**
[Catabolic processes in the rectal mucosa. Light and electron microscopic studies] Lassmann G, et al. **Z Gastroenterol** 13(5):507–18, Sep 75 **(Ger)**
[Foreign bodies in the rectum] Fani C, et al. **Ann Ital Chir** 47(6):557–65, 1975 **(Ita)**
[Transrectal thermometry of the prostate in patients with chronic prostatitis] Kaplun MI. **Urol Nefrol (Mosk)** (5):55–6, Sept–Oct 75 **(Rus)**
[Rectal electrophoresis in the treatment of chronic prostatitis] Ustinov VP. **Urol Nefrol (Mosk)** (3):64–5, May–Jun 75 **(Rus)**

ABNORMALITIES

Proceedings: Dermatoglyphics and unusual anorectal and genital anomalies in trisomy 8 mosaicism. Blair JD. **Birth Defects** 12(5):175, 1976
Total anorectal reconstruction following congenital anorectal anomaly: report of a case. Jacob ET, et al. **Dis Colon Rectum** 19(2):172–7, Mar 76
Levatorplasty: A secondary operation for fecal incontinence following primary operation for anorectal agenesis. Puri P, et al. **J Pediatr Surg** 11(1):77–82, Feb 76
Radiological diagnosis of anorectal malformations. Ebel KD. **Prog Pediatr Surg** 9:77–84, 1976
Associated malformation with anal and rectal atresiae. Hasse W. **Prog Pediatr Surg** 9:99–103, 1976
Genetic counselling in cases of anal and rectal atresia. Murken JD, et al. **Prog Pediatr Surg** 9:115–8, 1976
The association and embryogenesis of tracheo–oesophageal and anorectal anomalies. Piekarski DH, et al. **Prog Pediatr Surg** 9:63–76, 1976
The identification and management of anorectal anomalies. The factors ensuring continence. Smith ED. **Prog Pediatr Surg** 9:7–40, 1976
[Contrast x-ray diagnosis of anorectal malformations in newborns requiring emergency surgical treatment] Apostolov A, et al. **Khirurgiia (Sofiia)** 27(4):325–8, 1974 **(Bul)**
[Epidemiology and genetics of ano–rectal malformations] Briard ML, et al. **J Genet Hum** 23 SUPPL:242, Oct 75 **(Fre)**

ANATOMY & HISTOLOGY

New concept of the anatomy of the anal sphincter mechanism and the physiology of defecation. II. Anatomy of the levator ani muscle with special reference to puborectalis. Shafik A. **Invest Urol** 13(3):175–82, Nov 75
The morphological principles of anorectal continence. Stelzner F. **Prog Pediatr Surg** 9:1–6, 1976
[Proceedings: Anatomical studies of the ano–rectum of Japanese monkeys and dogs] Yokoyama J, et al. **Jpn Arch Intern Med** 11(4):202–4, Dec 75 **(Jpn)**

BLOOD SUPPLY

[Age and transformation dynamics of rectal vains and their alteration during hemorrhoid development] Mel'man EP, et al. **Arkh Patol** 38(4):43–9, Apr 76 (Eng. Abstr.) **(Rus)**
[Surgical treatment of acute anorectal thrombophlebitis] Riabukhin KM. **Klin Khir** (2):40–2, 1975 **(Rus)**

CYTOLOGY

[Cytological studies of rectosigmoideal mucosa] Miczbán I, et al. **Tijdschr Gastroenterol** 18(3):161–70, 1975 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

[Pull–through operation: pro and con] Ceulemans G, et al. **Tijdschr Gastroenterol** 19:9–23, 1976 (Eng. Abstr.) **(Dut)**

ENZYMOLOGY

Functional, chemical, and clinical aspects of proteolytic enzymes in the alimentary canal. Goldberg DM. **Clin Biochem** 9(3):131–5, Jun 76
Diagnosis of Hirschsprung's disease by quantitative biochemical assay of acetylcholinesterase in rectal tissue. Boston VE, et al. **Lancet** 2(7942):951–3, 15 Nov 75
Collagenase activity in rectal and colonic biopsies. Sturzaker HG, et al. **Proc R Soc Med** 68(1):33, Jan 75

IMMUNOLOGY

Letter: Immunoglobulin E in rectal mucosa of patients with proctitis. Ewen SW, et al. **Lancet** 1(7949):43, 3 Jan 76
Immunoglobulin E in rectal mucosa of patients with proctitis. Heatley RV, et al. **Lancet** 2(7943):1010–2, 22 Nov 75

INJURIES

Haematoma of the rectus sheath. Ross DS. **J Soc Occup Med** 26(2):59–60, Apr 76
Blunt trauma involving the colon and rectum. Howell HS, et al. **J Trauma** 16(08):624–32, Aug 76
A bizarre cause of rectal trauma. Ellis CG. **Practitioner** 216(1291):93–4, Jan 76
Injuries of the colon and rectum. Schrock TR, et al. **West J Med** 123(3):236–9, Sep 75
[Syndrome of the ruptured rectum] Cepek Z. **Rozhl Chir** 55(4):274–8, Apr 76 (Eng. Abstr.) **(Cze)**
[Intraperitoneal perforation of the rectosigmoid during rectoscopy] Samama G, et al. **Med Chir Dig** 4(5–6):315–6, 1975 **(Fre)**
[Injuries of the rectum in barium contrast enema] Appel A, et al. **Chirurg** 46(7):331–4, Jul 75 (Eng. Abstr.) **(Ger)**
[Rectal wounds penetrating the abdominal cavity in children in a fall onto a stake] Ovcharenko VV. **Vestn Khir** 114(4):87–8, Apr 75 **(Rus)**
[Report on a case of injury of the rectum and urinary bladder with penetration to the intraabdominal space caused by a fall on a pole] Sekulić Z. **Med Arh** 28(3):335–6, May–Jun 74 **(Ser)**
[Anal extrusion: a complication of ventriculo–peritoneal shunt for hydrocephalus (author's transl)] Pascual Castroviejo I, et al. **An Esp Pediatr** 8(6):685–8, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

INNERVATION

Effects of major resection of the sacrum. Clinical studies on urogenital and anorectal function and a biomechanical study on pelvic strength. Gunterberg B. **Acta Orthop Scand [Suppl]** (162):1–38, 1976
[Proceedings: Differences between the effects of non–adrenergic inhibitory nerve stimulation and relaxation produced by adenine nucleotide and serotonin (5–HT) in the rectum and colon of the chicken] Okada T, et al. **Jpn Arch Intern Med** 11(4):274–5, Dec 75 **(Jpn)**

METABOLISM

The potential difference across the rectal mucosa during depressive illness and lithium therapy. Peet M. **Br J Psychiatry** 127:144–8, Aug 75
Interrenalectomy and Na–K–ATPase activity in the rectal gland of the skate Raja ocellata. Idler DR, et al. **Gen Comp Endocrinol** 28(1):100–2, Jan 76
Active potassium transport coupled to active sodium transport in vesicles reconstituted from purified sodium and potassium ion–activated adenosine triphosphatase from the rectal gland of Squalus acanthias. Hilden S, et al. **J Biol Chem** 250(16):6296–303, 25 Aug 75
Absorption of 3H–benzocaine from ointments following rectal administration in rats. Ayres JW, et al. **J Pharm Sci** 64(12):1958–60, Dec 75
'Calcium–induced release of calcium' in rectal smooth muscle of mice. Cheng JT. **Jpn J Pharmacol** (1):73–8, Feb 76

MICROBIOLOGY

Combining cervical and rectal cultures for gonorrhea on a single modified Thayer–Martin plate. Chapel TA, et al. **Health Lab Sci** 13(3):190–3, Jul 76
[Sensitivity of rectal strains of Neisseria gonorrhoeae to antibiotics] Dražďáková M, et al. **Cesk Dermatol** 50(4):261–4, Aug 75 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Responses to drug therapy in ulcerative colitis. Evaluation by rectal biopsy and mucosal cell counts. Korelitz BI, et al. **Am J Dig Dis** 21(6):441–7, Jun 76
Diagnosis of Hirschsprung's disease by punch biopsy of rectum. Pease PW, et al. **Arch Dis Child** 51(7):541–3, Jul 76
Rectal biopsy in type 4 glycogenosis. An ultrastructural cytochemical study. Cantin M, et al. **Arch Pathol Lab Med** 100(8):422–6, Aug 76
Rectal suction biopsy in the diagnosis of Hirschsprung disease in infants. Yunis EJ, et al. **Arch Pathol Lab Med** 100(6):329–33, Jun 76
Implications of precancerous rectal biopsy in patients with inflammatory bowel disease. Gewertz BL, et al. **Arch Surg** 111(4):326–9, Apr 76
The differential diagnosis of the various forms of Batten disease by rectal biopsy. Lake BD. **Birth Defects** 12(3):455–62, 1976
Proceedings: Surface micro–anatomy of rectal mucosa in proctitis. Munto A, et al. **Br J Surg** 63(8):656, Aug 76
Technique for the systematic examination of colon–-rectum specimens. Rickert RR. **Environ Health Perspect** 9:237–8, Dec 74
Abnormalities in the apparently normal bowel mucosa in Crohn's disease. Goodman MJ, et al. **Lancet** 1(7954):275–8, 7 Feb 76
Letter: Bowel mucosa in Crohn's disease. Ruddell WS, et al. **Lancet** 1(7958):539–40, 6 Mar 76
'Collagenous colitis' with watery diarrhoea–-a new entity? Lindström CG. **Pathol Eur** 11(1):87–9, 1976
The diagnosis of pseudomembranous colitis by rectal biopsy. Price AB, et al. **Proc R Soc Med** 68(1):31, Jan 75
Heptatic and rectal pathology in Schistosoma intercalatum infection. Van Wijk HB, et al. **Trop Geogr Med** 27(3):237–48, Sep 75
[Limits of the spread of cancer of the rectum (morphological study)] Protchenko NV. **Vopr Onkol** 22(2):40–4, 1976 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physiological and anatomical considerations of anorectal function in respect to anorectal surgery. Pichlmaier H. **Am J Proctol** 26(6):33–5, Dec 75
Non–contractile movement of tantalum powder in the canine rectum. Margulis AR, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):244–50, Sep 75
Dynamics of the rectum and anus. Duthie HL. **Clin Gastroenterol** 4(3):467–77, Sep 75
Influence of the interrenal gland on the rectal gland of a skate. Holt WF, et al. **Comp Biochem Physiol [C]** 50(1):111–9, 1 Jan 75
Mathematical modeling of the colorectal myoelectrical activity in humans. Linkens DA, et al. **IEEE Trans Biomed Eng** 23(2):101–10, Mar 76
The development of anorectal continence and its significance in the diagnosiso of Hirschsprung's disease. Holschneider AM, et al. **J Pediatr Surg** 11(2):151–6, Apr 76
Proceedings: Non–linear modelling of colorectal electrical potentials. Linkens DA, et al. **J Physiol (Lond)** 259(1):31P–32P, Jul 76
The problem of anorectal continence. Holschneider AM.

Prog Pediatr Surg 9:85–97, 1976

[Reflections on the anorectal pressure profile] Reuter I, et al. **Helv Paediatr Acta** 31(2):141–8, Aug 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Anorectal function after major resections of the sacrum with bilateral or unilateral sacrifice of sacral nerves. Gunterberg B, et al. **Br J Surg** 63(7):546–54, Jul 76

Measurement of intravesical and rectal pressures simultaneously with electromyography of anal sphincter in children with myelomeningocele. van Gool JD, et al. **Dev Med Child Neurol** 18(3):287–301, Jun 76

Clinical application of anorectal physiology. Lane RH. **Proc R Soc Med** 68(1):28–30, Jan 75

The mechanism of rectal prolapse. Pantanowitz D, et al. **S Afr J Surg** 13(1):53–6, Mar 75

[Behavior of the sphincteral closure apparatus following continence-preserving rectal surgery] Wedell J, et al. **Zentralbl Chir** 100(16):985–9, 1975 **(Ger)**

Proceedings: Histochemical studies of the lower colon and changes in intra-anal and rectal pressure associated with colostomy] Morikawa Y, et al. **Jpn Arch Intern Med** 11(4):204–5, Dec 75 **(Jpn)**

RADIATION EFFECTS

Combined abdominotranssacral reconstruction of the radiation-injured rectum. Marks G. **Am J Surg** 131(1):54–9, Jan 76

Proceedings: The effect of irradiation on normal human rectum. Perrins DJ. **Br J Radiol** 49(582):559, Jun 76

The effect of prednisone and irradiation on the rectum in dogs. Stryker JA, et al. **Radiology** 121(1):183–7, Oct 76

RADIOGRAPHY

A large foreign body removed through the intact anus: report of a case. Siroospour D, et al. **Dis Colon Rectum** 18(7):616–9, Oct 75

'Rectal ears'. Kassner EG, et al. **J Can Assoc Radiol** 26(2):125–7, Jun 75

[Radiological features of the rectal manifestations of myelofibrosis(author's transl)] Hartweg H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):445–8, May 75 (Eng. Abstr.) **(Ger)**

[Urethro-cysto-colpo-rectography, a radiological method for the diagnosis of insufficiency of the pelvic floor (author's transl)] Kessler M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):365–8, Apr 76 (Eng. Abstr.) **(Ger)**

[Demonstration of position variations of the female ureter in the work urethrocystocolporectogram] Kümper HJ, et al. **Zentralbl Gynaekol** 97(20):1217–1223, 1975 (Eng. Abstr.) **(Ger)**

SECRETION

The secretion of hyperosmotic fluid by the rectum of a saline-water mosquito larva, Aedes taeniorhynchus. Bradley TJ, et al. **J Exp Biol** 63(2):331–42, Oct 75

A preliminary investigation into the roles played by the rectal gland and kidneys in the osmoregulation of the striped dogfish Poroderma africanum. Haywood GP. **J Exp Zool** 193(2):167–75, Aug 75

SURGERY

Sacral epidural analgesia for operations on the rectum. Hakami M, et al. **Am J Proctol** 27(4):39–41, Aug 76

Fate of the retained rectum after subtotal colectomy for inflammatory disease of the colon. Binder SC, et al. **Am J Surg** 131(2):201–3, Feb 76

Urologic complications following abdominoperineal resection of the rectum. Andersson A, et al. **Arch Surg** 111(9):969–71, Sep 76

The place of ileorectal anastomosis in Crohn's disease. Steinberg DM, et al. **Aust NZ J Surg** 46(1):49–54, Feb 76

Enzyme inhibition in colorectal surgery. Delaney P, et al. **Br J Surg** 63(1):23–4, Jan 76

A study of perineal wound healing after abdominoperineal resection. Saha SK, et al. **Br J Surg** 63(7):555–8, Jul 76

Rectal sphincter reconstruction in perineal colostomies after abdominoperineal resection for cancer. Simonsen OS, et al. **Br J Surg** 63(5):389–91, May 76

Rectal mucosal stripping: a technique for preservation of the rectum after total colectomy for chronic ulcerative colitis. Hampton JM. **Dis Colon Rectum** 19(2):133–5, Mar 76

Method of removing a hollow object from the rectum. Hughes JP, et al. **Dis Colon Rectum** 19(1):44–5, Jan–Feb 76

Symposium: Procidentia of the rectum: results of abdominal rectopexy in the elderly. Kirkman NF. **Dis Colon Rectum** 18(6):470–2, Sep 75

Ileorectal anastomosis for Crohn's disease of the colon. Lefton HB, et al. **Gastroenterology** 69(3):612–7, Sep 75

Proceedings: Intersphincteric excision of the rectum in benign inflammatory conditions. Lyttle JA, et al. **Gut** 17(5):392, May 76

Rectocolic reconstruction via a modified Kraske approach. Douglass HO Jr, et al. **J Surg Oncol** 7(4):289–92, 1975

Antiperistaltic bowel segment for prevention of ileoproctostomy diarrhea. Tuley RD, et al. **J Surg Oncol** 8(1):67–73, 1976 (29 ref.)

Fecal steroids in polyposis coli and ileorectostomy patients. Watne AL, et al. **J Surg Res** 19(3):157–61, Sep 75

Prophylactic use of gentamicin in colonic and rectal surgery. Burton RC, et al. **Med J Aust** 2(15):597–9, 11 Oct 75

Franco Soave's operation. Davies MR, et al. **S Afr J Surg** 13(4):223–30, Dec 75

Ileorectal anastomosis in ulcerative colitis. Results in 57 patients. Grüner OP, et al. **Scand J Gastroenterol** 10(6):641–6, 1975

The long-term prognosis of ileorectal anastomosis and proctocolectomy in Crohn's disease. Weterman IT, et al. **Scand J Gastroenterol** 11(2):185–91, 1976

Advances in the surgical technique of ulcerative colitis surgery: endoanal proctectomy and two-directional myotomy ileostomy. Turnbull RB Jr, et al. **Surg Annu** 7:315–29, 1975

Use of ileal reservoir following proctocolectomy. Beahrs OH. **Surg Gynecol Obstet** 141(3):363–6, Sep 75

Modification of the endorectal procedure for Hirschsprung's disease. Coran AG, et al. **Surg Gynecol Obstet** 143(2):277–82, Aug 76

Editorial: The anastomosis should be made without tension. Gerber A. **Surg Gynecol Obstet** 142(1):75–6, Jan 76

Kraske's posterior approach to the rectum. O'Brien PH. **Surg Gynecol Obstet** 142(3):412–4, Mar 76

Total proctocolectomy without the lithotomy position. Weintraub WH, et al. **Surg Gynecol Obstet** 141(6):926–8, Dec 75

Anterior anastomosis of the rectosigmoid colon: an experimental study. McLachlin AD, et al. **Surgery** 80(3):306–11, Sep 76

Symposium on surgical techniques in small animal practice. Common surgical techniques of the cecum, colon, and rectum. Dee JF. **Vet Clin North Am** 5(3):421–48, Aug 75

[Transabdominal intrarectal proctoplasty] Apostolov A. **Khirurgiia (Sofiia)** 29(1):10–4, 1976 (Eng. Abstr.) **(Bul)**

[Colorectal reconstruction after the Hartmann operation, by a simplified Duhamel technique using the GIA American stapler (author's transl)] Otte JB, et al. **Acta Chir Belg** 74(2):142–8, Mar 75 (Eng. Abstr.) **(Fre)**

[Babcock-Bacon type abdominotransanal amputation. Indications and results apropos of 50 cases] Maliakas S, et al. **Ann Chir** 29(6):577–83, Jun 75 (Eng. Abstr.) **(Fre)**

[Effects of abdomino-perineal amputation of the rectum on the upper urinary apparatus. Apropos of a series of 100 cases] Bollack C, et al. **Chirurgie** 100(10):699–704, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Rectal neo-bladder in the management of bladder exstrophy] Nedelec M, et al. **Chirurgie** 100(10):724–9, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Anomaly of the striate sphincter after amputation of the rectum] Abourachid H, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):265–7, Dec 74 **(Fre)**

[Neo-bladder made from the rectum in surgical cure of uro-genital malformations (author's transl)] Nédelec M, et al. **J Urol Nephrol (Paris)** 81(7–8):481–96, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Urination velocity. Contribution in the evaluation of urination disorders after amputation of the rectum] Champault G, et al. **Nouv Presse Med** 5(22):1409–11, 29 May 76 **(Fre)**

[From anal atresia to continent organ] Schärli AF. **Arch Chir Neerl** 27(3):179–85, 1975 (Eng. Abstr.) **(Ger)**

[Urologic complications in rectal surgery (author's transl)] Winkler R, et al. **Langenbecks Arch Chir** 338(3):235–42, 9 Jun 75 (Eng. Abstr.) **(Ger)**

[Proctocolectomy with preservation of continence in unspecific inflammatory diseases of the large intestine (long-term results)] Kuhlgatz G. **Zentralbl Chir** 101(7):435–41, 1976 **(Ger)**

[Posterior abdominoperineal resection of the rectum with total preservation of the sphincter apparatus] Iliescu G. **Rev Chir [Chir]** 25(1):41–3, Jan–Feb 76 **(Rum)**

[Abdominoanal resection of the rectum with a lowering of different sections of the left half of the colon] Fedorov VD, et al. **Vestn Khir** 115(10):38–41, OCT 75 (Eng. Abstr.) **(Rus)**

[Restoration of large-intestine continuity after formation of preternatural anus] Napalkov PN, et al. **Vestn Khir** 115(8):43–6, Aug 75 **(Rus)**

[Sphincter-preserving operations in rectal cancer] Napalkov PN, et al. **Vestn Khir** 116(4):60–1, Apr 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

R-bodies of human rectal epithelial cells. Biempica L, et al. **Arch Pathol Lab® Med** 100(2):78–80, Feb 76

The structure of the rectal papilla in a parasitoid hymenopteran Nasonia vitripennis (Walker) (Hymenoptera Pteromalidae). Davies I, et al. **Cell Tissue Res** 161(3):413–9, 25 Aug 75

Demonstration of the fuzzy surface coat of rat intestinal microvilli by freeze-etching. Swift JG, et al. **J Cell Biol** 69(2):491–5, May 76

[Ultrastructural changes of the rectum in chronic kidney failure] Philippi A, et al. **Verh Dtsch Ges Inn Med** 81:969–71, 1975 **(Ger)**

RECURRENCE see under **DISEASE**

RECURRENT LARYNGEAL NERVE see under **LARYNGEAL NERVES**

RED CROSS

Red cell freezing by the American National Red Cross. Meryman HT. **Am J Med Technol** 41(7):265–82, Jul 75

The role of the American Red Cross in resuscitation. pp. 259–60. Russell CW. **In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.**

[The Red Cross and Scandinavian disaster aid] Funder HR. **Nord Med** 90(12):311–3, Dec 75 (Eng. Abstr.) **(Dan)**

[National Council of Red Cross Hospital Libraries] Delsemme F. **Brux Med** 55(11):603–6, Nov 75 **(Fre)**

HISTORY

[N.I. Pirogov and the Red Cross (on the 165th anniversary of his birth)] Gurevich SA, et al. **Klin Med (Mosk)** 53(11):146–9, Nov 75 **(Rus)**

[Results of the activity of the RSFSR Red Cross Society in the 9th Five-Year Plan and its further tasks] Tiuliandin AD. **Zdravookhr Ross Fed** (5):3–6, May 76 **(Rus)**

RED NUCLEUS

ANATOMY & HISTOLOGY

The rubrospinal tract in a prosimian primate, Galago senegalensis. Murray HM, et al. **Brain Behav Evol** 12(4–6):311–33, 1975

Bilateral corticofugal projection to the red nucleus after neonatal lesions in the albino rat. Nah SH, et al. **Brain Res** 107(2):433–6, 7 May 76

Differential distribution of cortical terminations in the cat red nucleus. Sadun A. **Brain Res** 99(1):145–51, 28 Nov 75

[Rubrobular tracts. I. Lateral motor nuclei of cranial nerves in the rat] Petrovický P. **J Hirnforsch** 16(1):3–14, 1975 **(Ger)**

CYTOLOGY

Anatomical evidence for an intrinsic neuron in the red nucleus. King JS, et al. **Brain Res** 67(2):317–23, 22 Feb 74

DRUG EFFECTS

Effects of GABA, glycine, picrotoxin and bicuculline methochloride on rubrospinal neurones in cats. Altmann H, et al. **Brain Res** 111(2):337–45, 30 Jul 76

ENZYMOLOGY

Retrograde oxidative reactions after section of the rubrospinal tract. Hanson M, et al. **Perspect Biol Med** 19(3):381–7, Spring 76

PHYSIOLOGY

Limb coordinations during locomotion in amygdalar, rubral and funicular cats. Afelt Z, et al. **Acta Neurobiol Exp (Warsz)** 35(4):379–88, 1975

Rubrospinal effects on ventral spinocerebellar tract neurones. Baldissera F, et al. **Acta Physiol Scand** 29(2):233–49, Feb 76

Input-output relations of the red nucleus in the cat. Ghez C. **Brain Res** 98(1):93–308, 7 Nov 75

Cells of origin of corticorubral projections from the arm area of primate motor cortex and their synaptic actions in the red nucleus. Humphrey DR, et al. **Brain Res** 110(1):162–9, 25 Jun 76

Physiological properties of the newly formed cortico-rubral synapses of red nucleus neurons due to collateral sprouting. Murakami F, et al. **Brain Res** 103(1):147–51, 13 Feb 76

An ultrastructural study of the anomalous corticorubral projection following neonatal lesions in the albino rat. Nah SH, et al. **Brain Res** 111(1):162–6, 23 Jul 76

Comparison between red nucleus and precentral neurons during learned movements in the monkey. Otero JB. **Brain Res** 101(1):37–46, 9 Jan 76

Studies on the control of some simple motor tasks. Effects of thalamic and red nuclei lesions. Ranish NA, et al. **Brain Res** 102(2):339–45, 6 Feb 76

Physiological evidence of formation of new synapses from cerebrum in the red nucleus neurons following cross-union of forelimb nerves. Tsukahara N, et al. **Brain Res** 106(1):184–8, 16 Apr 76

Changes in the magnocellular portion of the red nucleus following thoracic hemisection in the neonatal and adult rat. Prendergast J, et al. **J Comp Neurol** 166(2):163–71, 15 Mar 76

The dorsal tegmental noradrenergic projection: an analysis of its role in maze learning. Roberts DC, et al. **J Comp Physiol Psychol** 90(4):363–72, Apr 76

Somatotopic studies on red nucleus: spinal projection level and respective receptive fields. Eccles JC, et al. **J Neurophysiol** 38(4):965–80, Jul 75

Responses of red nucleus neurons to antidromic and synaptic activation. Eccles JC, et al. **J Neurophysiol** 38(4):947–64, Jul 75

Electrophysiological study of formation of new synapses and collateral sprouting in red nucleus neurons after partial denervation. Tsukahara N, et al. **J Neurophysiol** 38(6):1359–72, Nov 75

Brachium conjunctivum-red nucleus synaptic system in the baboon. Huffman RD, et al. **J Neurosci Res** 2(2):117–32, 1976

Effects of glutamate, aspartate, and two-presumed antagonists on feline rubrospinal neurones. Altmann H, et al. **Pfluegers Arch** 364(3):249–55, 24 Aug 76

The function of the preoptic, mammilaris lateralis and ruber nuclei in normal and sexually inactive male chickens. Crawford WC Jr, et al. **Physiol Behav** 15(2):171–5, Aug 75

Stimulants and lesions of the substantia nigra and red nucleus. Isaac W, et al. **Physiol Behav** 15(5):471–4, Oct 75

[Proceedings: Influence of the upper brain center on the facial motor neuron activities] Tanaka N, et al. **J Physiol Soc Jpn** 36(8–9):273–4, 1 Sep 74 **(Jpn)**

[Proceedings: Plasticity of synapses of the red nucleus] Tsukahara N, et al. **J Physiol Soc Jpn** 36(8–9):276, 1 Sep 74 **(Jpn)**

[Representation of cutaneous sensitivity in the cat red nucleus] Fanardzhian VV, et al. **Fiziol Zh SSSR** 62(4):499–509, Apr 76 (Eng. Abstr.) **(Rus)**

[Rubrofugal influences on the spike activity of neurons of the medial reticulo-spinal tract] Shapovalov AV, et al. **Neirofiziologiia** 7(5):533–40, 1975 (Eng. Abstr.) **(Rus)**

[The activity of rubrospinal neurons in Macaca mulatta monkeys] Tamarova ZA. **Zh Evol Biokhim Fiziol** 12(1):56–62, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[The dynamics of the state of cortical sites of signal and reinforcing stimuli according to indices of evoked electrical activity] Sakhiulina GT, et al. **Zh Vyssh Nerv Deiat** 25(4):849–51, Jul–Aug 75 **(Rus)**

[Characteristics of the cortical point of the motor projection of the limb performing a food-getting movement] Sakhiulina GT, et al. **Zh Vyssh Nerv Deiat** 26(2):414–7, Mar–Apr 76 **(Rus)**

[Electrical reactions of the cerebellar cortex upon stimulation of the red nucleus] Ianchyk HV. **Fiziol Zh** 22(1):19–24, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

RED TIDE see under **MASTIGOPHORA**

REDUCTASES see **OXIDOREDUCTASES**

REFERENCE BOOKS

Bergey's Manual—a record of progress in microbial systematics. pp. 21–7. Liston J.
In: Colwell RR, ed. The role of culture collections in the era of molecular biology. Washington, D.C., American Society for Microbiology, 1976. QS 530 R745 1975.

Specialized reference works and their users. A preliminary study. Wagner AB, et al. **J Chem Inf Comput Sci** 15(4):242–5, Nov 75

Consultation and reference sources for occupational health. Lee WR. **J Occup Med** 17(7):446–56, Jul 75

REFERENCE BOOKS, MEDICAL

The reorganization of a monographic reference collection. Jeuell CA. **Bull Med Libr Assoc** 64(3):293–8, Jul 76

[Is it possible to estimate the value of a scientific study?] Igić R. **Med Arh** 29(6):653–4, Nov–Dec 75 **(Ser)**

REFERRAL AND CONSULTATION

Health screening of four-year-olds in a Swedish county. III. Variation of effectiveness among examining teams. Sundelin C, et al. **Acta Paediatr Scand** 65(2):193–200, Mar 76

Industrial hygiene consultants. **Am Ind Hyg Assoc J** 36(12):B–18–B–23, Dec 75

A conceptual overview of selected consultation models. Dworkin AL, et al. **Am J Community Psychol** 3(2):151–9, Jun 75

Behavior modification consultation in a Mexican-American school: a case study. King LW, et al. **Am J Community Psychol** 3(3):229–35, Sep 75

Consultee-centered consultation with a teacher as a technique in behavior management. Meyers J. **Am J Community Psychol** 3(2):111–21, Jun 75

Letter: Charges for clinical pharmacy consultation. Klevens LB, et al. **Am J Hosp Pharm** 32(9):880–1, Sep 75

Letter: Pharmaceutical consultation in a small community hospital. Tortorici MP. **Am J Hosp Pharm** 32(10):979, Oct 75

Consultation-liaison psychiatry: current responsibilities. Brown WA, et al. **Am J Psychiatry** 133(3):326–8, Mar 76

Medico-dental dilemmas. Sutherland KJ. **Aust Dent J** 21(1):9–14, Feb 76

Follow-up report on the syndrome identification and consultation service. Feingold M, et al. **Birth Defects** 11(2):1–2, 1975

Academic psychiatrists. Brook P. **Br J Psychiatry** 127:499–505, Nov 75

Psychiatric referrals from the police. Sims AC, et al. **Br J Psychiatry** 127:171–8, Aug 75

Consultant paediatric clinics in group practice. Cain AR, et al. **Br Med J** 1(6000):33–5, 3 Jan 76

Emergency medical care. Conway H. **Br Med J** 2(6034):511–3, 28 Aug 76

Reducing outpatient attendances. Kirk RM. **Br Med J** 1(6024):1521–2, 19 Jun 76

Problems of childhood. Consultation, diagnosis, and management. Meadow R. **Br Med J** 1(6004):266–7, 31 Jan 76

Symposium—psychiatric education. Berger DM. **Can Psychiatr Assoc J** 21(3):135–44, Apr 76

The psychiatrist as the 'vulnerable' mental health consultant: expanding the role of the psychiatrist. Krell R, et al. **Can Psychiatr Assoc J** 20(5):379–84, Aug 75

Medical consultants: appropriate selection and utilization in child welfare. Bell CJ. **Child Welfare** 55(7):445–58, Jul–Aug 76

The child welfare agency as school consultant. Schild JS, et al. **Child Welfare** 55(7):491–500, Jul–Aug 76

How to make a referral for psychologic testing understood and accepted. Some suggestions for the pediatrician. Schwartz EM. **Clin Pediatr (Phila)** 15(7):637–8, Jul 76

The mental health center's role in school consultation: toward a new model. Anderson LS. **Community Ment Health J** 12(1):83–8, Spring 76

Patients referred to extended inpatient treatment or outpatient therapy from a private short-term therapeutic community. Doherty EG. **Community Ment Health J** 11(3):335–40, Fall 75

Criteria for appropriate and inappropriate referrals to a crisis clinic. Walfish S, et al. **Community Ment Health J** 12(1):89–94, Spring 76

Computer-based consultations in clinical therapeutics: explanation and rule acquisition capabilities of the MYCIN system. Shortliffe EH, et al. **Comput Biomed Res** 8(4):303–20, Aug 75

Psychiatric consultations in a general hospital. A report on 1,000 referrals. Shevitz SA, et al. **Dis Nerv Syst** 37(5):295–300, May 76

How a geriatric outpatient clinic can assist the family physician. Rosin AJ. **Geriatrics** 30(11):67–70, Nov 75

Towards an integrated medical record. Barclay R, et al. **Health Bull (Edinb)** 18(1):36–43, Jan 76

Roles of international advisors. Croley, HT. **Health Educ Monogr** 3(4):362–71, Winter 75

An annotated bibliography on consultation. Li Wang V. **Health Educ Monogr** 3(4):403–13, Winter 75

Consultation. Foreword. Thorne MC. **Health Educ Monogr** 3(4):359–61, Winter 75

Decision making theory: a consultant's guide to getting technical information used. Thorne MC. **Health Educ Monogr** 3(4):372–84, Winter 75

Evaluating the impact of program consultation in health services. Watkins EL, et al. **Health Educ Monogr** 3(4):385–402, Winter 75

Patient referral differences among specialties. Shortell SM, et al. **Health Serv Res** 10(2):146–61, Summer 75

A community psychologist as a liaison worker at a state hospital. Berg KR. **Hosp Community Psychiatry** 27(5):319, 323, May 76

Psychiatric consultation and teaching in a home for the aged. Dawson D, et al. **Hosp Community Psychiatry** 26(8):509–11, Aug 75

Psychiatric consultation to a rehabilitation program for amputees. Freeman AM 3d, et al. **Hosp Community Psychiatry** 27(1):40–2, Jan 76

Referring patients for group psychotherapy: some guidelines. Friedman WH. **Hosp Community Psychiatry** 27(2):121–3, Feb 76

Psychiatric liaison with private facilities caring for discharged patients. Walter R. **Hosp Community Psychiatry** 27(1):33–5, Jan 76

Issues in mental health consultation. pp. 75–90. Burgess AW, et al.
In: Burgess AW, Lazare A, ed. Community mental health: target populations. Englewood Cliffs, N.J., Prentice-Hall, 1976. WM 30 B955c 1976.

Psychiatric consultation to the eastern Canadian arctic communities. pp. 539–42. Atcheson JD, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Psychiatric consultation and social work at a secondary school for Eskimo, Indian, and Aleut students in Alaska. pp. 517–25. Harvey EB.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Consultant-general practitioner interaction in a northern university clinic. pp. 576–80. Morison MM, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

WATS (Wide Area Telephone Service) as a method in cancer control. pp. 70–1. Mirand EA.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

Health care consultants as implementors of health services research. Weil TP. **Inquiry** 12(3):246–50, Sep 75

The role of the psychiatric consultant in the treatment of burned patients. Goodstein RK, et al. **Int J Psychiatry Med** 6(3):413–29, 1975

Management of the borderline patient on a medical or surgical ward: the psychiatric consultant's role. Groves JE. **Int J Psychiatry Med** 6(3):337–48, 1975

Consultation-liaison psychiatry: a psychosomatic service in the general hospital. Krakowski AJ. **Int J Psychiatry Med** 6(1–2):283–92, 1975 (30 ref.)

Group process: an adjunct in liaison consultation psychiatry. Schulman BM. **Int J Psychiatry Med** 6(4):489–99, 1975

The child psychiatrist and day care. Theoretical and clinical aspects of consultation. Greenspan SI, et al. **J Am Acad Child Psychiatry** 15(1):108–30, Winter 76

The appraisal of ego strength in evaluation, treatment, and consultation 'is this the one?' Lawrence MM. **J Am Acad Child Psychiatry** 15(1):1–14, Winter 76

Position Paper on the role of the registered dietitian in consultative services to group care facilities. **J Am Diet Assoc** 67(6):579–80, Dec 75

Dietary counseling in ambulatory care. IV. The nutrition consultant in home care services. Hatten AM. **J Am Diet Assoc** 68(3):250–2, Mar 76

Dietary counseling in ambulatory care. II. The nutrition consultant for visiting nurses. O'Connell S. **J Am Diet Assoc** 68(3):247–8, Mar 76

Consultative services in clinical pharmacology. Wardell WM. **J Clin Pharmacol** 15(11–12):721–4, Nov–Dec 75

Clinical pharmacology consultations at the University of Rochester. Weintraub M. **J Clin Pharmacol** 15(11–12):731–3, Nov–Dec 75

On the consultation process. **J Fam Pract** 2(4):309, Aug 75

Referrals in family practice: A comparative study by geographic region and practice setting. Geyman JP, et al. **J Fam Pract** 3(2):163–7, Apr 76

Some experiences in consulting to a community of retired soldiers. Merowitz M. **J Geriatr Psychiatry** 8(2):159–71, 1975

Medical/legal status of consultants. Higdon RE. **J Leg Med** 4(2):GP/IM/DO 34–5, GP/IM/DO 39–41, Feb 76

A new tool for program evaluation: consultant peer review. Hadamard A, et al. **J Med Educ** 50(10):976–7, Oct 75

Psychiatric consultation to a mental retardation program. Adams MS. **J Natl Med Assoc** 68(3):213–6, May 76

A symposium on the chronic pain syndrome in problem low back cases. Psychiatric evaluation and feasibility of psychiatric therapy. Ritterhoff E. **J Occup Med** 17(10):656–7, Oct 75

Psychological testing referrals: a guide for psychiatrists, psychiatric nurses, physicians in general practice and allied health personnel. DeCato CM, et al. **J Psychiatr Nurs** 14(6):24–30, Jun 76

Mental health consultation with public health nurses, using transactional analysis as a tool. Hover D. **J Psychiatr Nurs** 14(6):15–9, Jun 76

Mental health nursing consultation: a study of expectations. Kolson G. **J Psychiatr Nurs** 14(8):24, 31–2, Aug 76

Psychiatric inpatient unit and outpatient clinic liaison service. Townsend JA. **J Psychiatr Nurs** 14(3):7–9, Mar 76

Consultation to groups in conflict: some aspects of group design. Trop JL. **J Psychiatr Nurs** 13(6):11–5, Nov–Dec 75

Second opinion. A study of medical referrals in a seminar for general practitioners at the Tavistock Clinic, London. Bourne S. **J R Coll Gen Pract** 26(168):487–95, Jul 76

Referral letters from general practitioners. Durkin CJ, et al. **J R Coll Gen Pract** 25(156):532–6, Jul 75

First encounters. Tombleson PM. **J R Coll Gen Pract** 26(168):496–500, Jul 76

Confrontation enhances objectives in state agency unit. Fitch HG. **J Rehabil** 41(6):31–3, 42, Nov–Dec 75

Editorial: Consultants or pairs of hands? **Lancet** 1(7958):520–1, 6 Mar 76

Letter: Consultant's work load. **Lancet** 1(7970):1182–3, 29 May 76

Letter: Consultants' work load. Fry J. **Lancet** 1(7968):1073, 15 May 76

Incongruous referrals. Hannay DR, et al. **Lancet** 2(7946):1195–7, 13 Dec 75

Letter: Consultants' work load. Hopkins A. **Lancet** 1(7966):956–8, 1 May 76

Letter: Consultant involvement in planning super specialties. Richards BW. **Lancet** 1(7968):1073–4, 15 May 76

The general practice and social work. Report on a trial. Gould SJ. **Med J Aust** 1(18):669–71, 1 May 76

A volunteer crisis service. Pattern of utilization and referral. Webster IW, et al. **Med J Aust** 2(16):630–4, 18 Oct 75

How to keep patients from feeling hurt when you suggest a psychiatrist. Croft HA. **Med Times** 104(8):79–80, Aug 76

Clinical algorithms for cancer chemotherapy—systems for community-based consultant-extenders and oncology centers. Mesel E, et al. **Methods Inf Med** 15(3):168–73, Jul 76

How they keep TV medical shows honest. Maddox D. **Mod Health Care** 4(5):37–42, Nov 75

A nursing referral system: admissions, transfers, and discharge to and from hospital. Furbank ME. **Nurs Times** 72(11):suppl:41–4, 18 Mar 76

The relationship between the generalist and the specialist. Einbender SJ. **NY State Dent J** 42(3):148–50, Mar 76

Physician referral failure. Study of home care. Nash DT, et al. **NY State J Med** 76(1):45–7, Jan 76

Editorial: The lost art of consultation—a plea for the return of striped trousers. Goldbloom RB. **Pediatrics** 56(3):347–8, Sep 75

A behavioral consultation program for parents and teachers of children with conduct problems. O'Leary KD, et al. **Proc Am Psychopathol Assoc** (64):89–95, 1976

The general practitioner and the specialist. Wilson DG, et al. **Proc R Soc Med** 68(11):704–6, Nov 75

Social background variables, referral sources and life events of male and female alcoholics. Hoffmann H, et al. **Psychol Rep** 37(3 PT 2):1087–92, Dec 75

A consultation-liaison psychiatry clinical clerkship. McKegney FP, et al. **Psychosom Med** 38(1):45–54, Jan–Feb 76

The role of psychiatric consultation in psychosomatic medicine. Martin MJ. **Psychosomatics** 16(1):7–11, 1975

Consultation psychiatry: psychosomatics or psychiatry in medicine? Mogstad TE. **Psychosomatics** 16(3):138–9, 1975

A study of effectiveness of nursing referrals. Combs PA. **Public Health Rep** 91(2):122–6, Mar–Apr 76

A study of child health station referrals to treatment facilities to determine continuity in health services. Dickinson KR, et al. **Public Health Rep** 91(2):138–40, Mar–Apr 76

Comparison of the patient populations referred to the accident and emergency department outside working hours by general practitioners and by their deputizing services. Rutherford WH, et al. **Resuscitation** 4(4):271–8, 1975

Using psychiatric consultation liaison service. Ruggiano JR. **RI Med J** 58(8):347–8, 358–9, Aug 75

Medicine and the law. Pickens A. **Tex Med** 71(12):97–9, Dec 75

Editorial: The radiologist and his fellow–physicians. Cimmino CC. **Va Med Mon** 103(2):161–2, Feb 76

Disposition of high school athletic injuries. Bowers KD Jr. **W Va Med J** 72(4):88–9, Apr 76

[Evolution of the views and criteria for treatment selection in pancreatic pseudocysts] Murat J. **Khirurgiia (Sofiia)** 28(3):218–24, 1975 (Eng. Abstr.) **(Bul)**

[Biochemical consultation in disorders of the internal environment] Káš M. **Cas Lek Cesk** 114(38):1182–3, 19 Sep 75 **(Cze)**

[The consultant's activity in hospitals. The work of a specialist in chest surgery outside the special department] Hansen JL. **Ugeskr Laeger** 138(16):1006–8, 12 Apr 76 (Eng. Abstr.) **(Dan)**

[Future need for medical co–operation for case–work in health and social administration] Moller M, et al. **Ugeskr Laeger** 138(15):919–25, 5 Apr 76 (Eng. Abstr.) **(Dan)**

[Duration of the interval between the onset of a disease and consultation with the general practitioner] Pedersen PA. **Ugeskr Laeger** 138(32):1962–6, 2 Aug 76 (Eng. Abstr.) **(Dan)**

[Self–treatment by patients prior to consultation with general practitioner] Pedersen PA. **Ugeskr Laeger** 138(32):1955–61, 2 Aug 76 (Eng. Abstr.) **(Dan)**

[Evaluation of 4 years of anesthesiology consultation in the framework of an orthopedics service] Bloch A, et al. **Agressologie** 17(3):135–40, 1976 (Eng. Abstr.) **(Fre)**

[Reflections on the anesthesia consultation at Boucicaut Hospital] Echter M, et al. **Agressologie** 17(3):159–61, 1976 (Eng. Abstr.) **(Fre)**

[Towards a definition of anesthesiology consultation] Guilmet C. **Agressologie** 17(3):125–34, 1976 (Eng. Abstr.) **(Fre)**

[Letter to the anesthesiologists and possibly to the surgeons concerning the anesthesiology consultation at Henri Mondor Hospital] Laborit G. **Agressologie** 17(3):163–5, 1976 **(Fre)**

[Anesthesiology consultation in plastic and reconstructive surgery] Mesnard J. **Agressologie** 17(3):147–53, 1976 (Eng. Abstr.) **(Fre)**

[Pediatric anesthesia consultation at the CHU, Rheims] Rendoing J, et al. **Agressologie** 17(3):141–6, 1976 (Eng. Abstr.) **(Fre)**

[Medico–sociologic analyses of the effectiveness of psychiatric consultation (author's transl)] Ploeger A, et al. **Arch Psychiatr Nervenkr** 220(4):295–306, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Tasks of the orthopedic consultation department in the vocational guidance of physically handicapped adolescents] Magiera J. **Beitr Orthop Traumatol** 22(2):121–3, Feb 75 **(Ger)**

[Interdisciplinary cooperation in pelvic fractures within the framework of a general surgical hospital] Zöch G, et al. **Hefte Unfallheilkd** (124):312–3, 1975 **(Ger)**

[Myocardial infarct patients with and without intensive nutrition consultation over several years— comparison of physiological and social variables] Bonk S, et al. **Infusionstherapie** 2(4):290–6, Aug 75 (Eng. Abstr.) **(Ger)**

[Learning difficulties in the pediatric consulting hour] Wagner KD. **Z Aerztl Fortbild (Jena)** 69(24):1256–65, 15 Dec 75 **(Ger)**

[Morbidity of the population of Kalinin according to patient turn–over in 1969–1971 and its comparison with the data for 1958 and 1965] Sokolovskiĭ AG. **Sov Zdravookhr** (10):46–52, 1975 (Eng. Abstr.) **(Rus)**

[Experience in organizing intrahospital consultation assistance] Vedenko BG, et al. **Sov Zdravookhr** (7):32–4, 1975 (Eng. Abstr.) **(Rus)**

[Needs to consult allied specialists in hospital departments] Moroz MA. **Vrach Delo** (3):150–1, Mar 76 **(Rus)**

[Suspected appendicitis—open referral or observation in hospital] **Lakartidningen** 72(32):3024–5, 6 Aug 75 **(Swe)**

School boy did not get referral to eye doctor] **Lakartidningen** 73(24):2278, 9 Jun 76 **(Swe)**

REFLEX

Influence of polarisation on the formation of a simple form of temporary connection. Pavlygina RA. **Act Nerv Super (Praha)** 18(1–2):62–4, Jun 76

Evidence for the involvement of vasoactive constitutents of mast cells in axon reflex vasodilatation in the skin of the rat. Kiernan JA. **Acta Hepatogastroenterol (Stuttg)** 255(1):1–8, 10 Mar 76

The effect of postural reflexes on the acquisition of the left foreleg–right foreleg differentiation in dogs. Dobrzecka C. **Acta Neurobiol Exp (Warsz)** 35(4):361–7, 1975

Drive–controlled reflexes: a theory. Zernicki B. **Acta Neurobiol Exp (Warsz)** 35(5–6):475–90, 1975

The blink reflex in coma and after recovery from coma. Serrats AF, et al. **Acta Neurochir (Wien)** 34(1–4):79–97, 1976

Plantar response during infancy. Katiyar GP, et al. **Acta Neurol Scand** 53(5):390–4, May 76

Voluntary, non–visual control of the human vestibulo–ocular reflex. Barr CC, et al. **Acta Otolaryngol (Stockh)** 81(5–6):365–75, May–Jun 76

A reexamination of 'neck reflex' eye movements in the rabbit. Gresty MA. **Acta Otolaryngol (Stockh)** 81(5–6):386–94, May–Jun 76

Application of tympanometry and acoustic reflex measurements. Lidén G. **Acta Otorhinolaryngol Belg** 29(5):802–13, 1975

A method of evoking fast baroreceptor responses for the measurement of the baroreflex latency. Zieliński A, et al. **Acta Physiol Pol** 27(1):19–21, Jan–Feb 76

Exteroceptive influences on the lumbar back muscle tone and reflexes in the cat. Carlson H, et al. **Acta Physiol Scand** 97(3):332–42, Jul 76

Reflexogenic contraction of the ileo–cecal sphincter in the cat following small or large intestinal distension. Pahlin PE, et al. **Acta Physiol Scand** 95(1):126–32, Sep 75

Vagal reflexes in the bronchoconstriction occurring after induced intravascular platelet aggregation. Vaage J. **Acta Physiol Scand** 97(1):94–103, Mar 76

Effects of lesions in the parabrachial nucleus on the mechanisms for central and reflex termination of inspiration in the cat. von Euler C, et al. **Acta Physiol Scand** 96(3):324–37, Mar 76

Temperature effects on the inflation reflex during expiratory time in the cat. von Euler C, et al. **Acta Physiol Scand** 96(3):338–50, Mar 76

Interaction between the hypothalamic defence reaction and cardiac ventricular receptor reflexes. Wennergren G, et al. **Acta Physiol Scand** 96(4):532–47, Apr 76

Aspects of central integrative and efferent mechanisms in cardiovascular reflex control. Wennergren G. **Acta Physiol Scand [Suppl]** (428):1–53, 1975

Cardiovascular and respiratory reflexes elicited by bradykinin acting on receptor sites (K & P) in the muscular circulatory area. Tallarida G, et al. **Adv Exp Med Biol** 70(00):301–14, 1976

Impaired parasympathetic responses in patients after myocardial infarction. Ryan C, et al. **Am J Cardiol** 37(7):1013–8, Jun 76

The asymmetrical tonic neck reflex in normal first and third grade children. Parmenter CL. **Am J Occup Ther** 29(8):463–8, Sep 75

Luminance changes of the fundus reflex. Kruger PB. **Am J Optom Physiol Opt** 52(12):847–61, Dec 75

Voluntary inhibition of the myotatic reflex and premotor response to joint angle displacement. Spirduso WW, et al. **Am J Phys Med** 55(4):165–76, Aug 76

Reflex sympathetic tachycardia during intravenous infusions in chronic spinal cats. Bishop VS, et al. **Am J Physiol** 230(1):25–9, Jan 76

Effect of cervical sympathetic nerve stimulation on canine carotid sinus reflex. Bolter CP, et al. **Am J Physiol** 230(4):1026–30, Apr 76

Compensatory adrenal growth: a neurally mediated reflex. Dallman MF, et al. **Am J Physiol** 231(2):408–14, Aug 76

Interplay among carotid sinus, cardiopulmonary, and carotid body reflexes in dogs. Mancia G, et al. **Am J Physiol** 230(1):19–24, Jan 76

Reflex effects of thermal stimulation on sympathetic nerve activity to skin and kidney. Ninomiya I, et al. **Am J Physiol** 230(2):271–8, Feb 76

Reflex sympathetic changes in aortic diastolic pressure–diameter relationship. Pagani M, et al. **Am J Physiol** 229(2):286–90, Aug 75

Participation of beta receptors in reflex vasodilatation in the dog. Rengo F, et al. **Am J Physiol** 230(5):1444–8, May 76

Mesenteric baroreceptors. Tuttle RS, et al. **Am J Physiol** 229(6):1514–9, Dec 75

Letter: Control of 'mass reflex' response in tetraplegia. Wedley JR. **Anaesthesia** 31(2):301–2, Mar 76

Catecholamine–containing nerve terminals in piloarrector muscles of stump–tailed macaques (Macaca arctoides) and the effects of local injection of 6–, and 5–hydroxydopamine. Uno H, et al. **Anat Rec** 185(1):49–61, May 76

Predictive value of sympathetic cardiovascular reflexes and urinary catecholamines when selecting patients for antihypertensive treatment with beta–adrenergic blocking drugs. Iisalo E, et al. **Ann Clin Res** 7(2):71–5, Apr 75

Ear–cough (Arnold's) reflex. Bloustine S, et al. **Ann Otol Rhinol Laryngol** 85(3 pt 1):406–7, May–Jun 76

Nasal–cardiopulmonary reflexes: a role of the larynx. Jackson RT. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):65–70, Jan–Feb 76

Initiation of reflex glottic closure. Suzuki M, et al. **Ann Otol Rhinol Laryngol** 85(3 pt 1):382–6, May–Jun 76

Post–lesion yawning and thalamotomy site. Jurko MF, et al. **Appl Neurophysiol** 38(1):73–9, 1975

Response of Renshaw cells to sinusoidal stretch of hindlimb extensor muscles. Pompeiano O, et al. **Arch Ital Biol** 113(3):205–37, Jul 75

The relative sensitivity of Renshaw cells to orthodromic group Ia volleys caused by static stretch and vibrations of extensor muscles. Pompeiano O, et al. **Arch Ital Biol** 113(3):238–79, Jul 75

Oscilloscopic analysis of the stapedius muscle reflex in brain stem lesions. Bosatra A, et al. **Arch Otolaryngol** 102(5):284–5, May 76

Acoustic reflex characteristics in spastic dysphonia. Hall JW, et al. **Arch Otolaryngol** 102(7):411–5, Jul 76

Acoustic reflex relaxation in sensorineural hearing loss. Letien WC, et al. **Arch Otolaryngol** 101(10):617–21, Oct 75

Acoustic reflex and reflex decay. Occurrence in patients with cochlear and eighth nerve lesions. Olsen WO, et al. **Arch Otolaryngol** 101(10):622–5, Oct 75

Collapsing ears and acoustic reflex measurement with circumaural ear cushions. Riedner E, et al. **Arch Otolaryngol** 102(6):358–62, Jun 76

Laryngeal reflexes in cat, dog, and man. Sasaki CT, et al. **Arch Otolaryngol** 102(7):400–2, Jul 76

Electrically induced flexion reflex in gait training of hemiplegic patients: induction of the reflex. Lee KH, et al. **Arch Phys Med Rehabil** 57(1):311–4, Jul 76

Effects of reflex middle–ear muscle contractions on cochlear responses to bone–conducted sound. Irvine DR. **Audiology** 15(5):433–44, Sep–Oct 76

Influence of tonic reflex activities on the slow auditory evoked potential. Müller G, et al. **Audiology** 15(6):514–22, Nov–Dec 76

The acoustic reflex at low sensation levels. Sesterhenn G, et al. **Audiology** 15(6):523–33, Nov–Dec 76

Analysis of jaw opening reflexes. Griffin CJ, et al. **Aust Dent J** 20(4):214–20, Aug 75

Vestibular–ocular accommodation reflex in man. Clark BR, et al. **Aviat Space Environ Med** 46(11):1336–9, Nov 75

Effect of labyrinthectomy on the dynamic vestibulo–ocular counterrol reflex in the rhesus monkey. Smiles KA, et al. **Aviat Space Environ Med** 46(8):1017–22, Aug 75

Distractibility and reactivity under different response conditions following hippocampal lesions in rats. Gustafson JW. **Behav Biol** 15(4):479–84, Dec 75

Capillary fluid transfer in the cat hind limb muscles during cardiovascular reflexes. Biró S, et al. **Bibl Anat** 13:84–5, 1975

Modulation of dynamic parameters of muscle reflex by selective activation of its gamma system. Inbar GF. **Biol Cybern** 19(3):169–80, 1 Sep 75

Recent advances in the physiology of cardiovascular reflexes, with special reference to hypotension. Kidd C, et al. **Br J Anaesth** 47(7):767–76, Jul 75

Reflex disturbances of cardiac rhythm during ophthalmic surgery. Alexander JP. **Br J Ophthalmol** 59(9):518–24, Sep 75

Temporomandibular arthrokinetic reflex control of the mandibular musculature. Clark RK, et al. **Br J Oral Surg** 13(2):196–202, Nov 75

Editorial: 'Reflex' epilepsy. **Br Med J** 3(5979):338, 9 Aug 75

Key problems in the programming of movements. Panel discussion. **Brain Res** 71(2–3):535–68, 17 May 74

An adaptive neural model compatible with plastic changes induced in the human vestibulo–ocular reflex by prolonged optical reversal of vision. Davies P, et al. **Brain Res** 103(3):546–50, 27 Feb 76

Habituation of exteroceptive suppression and of exteroceptive reflexes in man as influenced by voluntary contraction. Desmedt JE, et al. **Brain Res** 106(1):21–9, 16 Apr 76

Sensitization and habituation of the plantar cushion reflex in cats. Egger MD, et al. **Brain Res** 103(2):215–28, 20 Feb 76

Gating of motor cortex reflexes by prior instruction. Evarts EV, et al. **Brain Res** 71(2–3):479–94, 17 May 74

Behavioral changes in chronic spinal frog. Farel PB, et al. **Brain Res** 106(2):418–22, 23 Apr 76

Adaptation of the human vestibuloocular reflex to magnifying lenses. Gauthier GM, et al. **Brain Res** 92(2):331–5, 11 Jul 75

Adaptation of cat vestibulo–ocular reflex to 200 days of optically reversed vision. Jones GM, et al. **Brain Res** 103(3):551–4, 27 Feb 76

Sensory requirements for the lordosis reflex in female rats. Kow LM. **Brain Res** 101(1):47–66, 9 Jan 76

Sensory and reflex responses to tooth pulp stimulation in man. Matthews B, et al. **Brain Res** 113(1):83–94, 20 AUG 76

Influence of head position and proprioceptive cues on short latency postural reflexes evoked by galvanic stimulation of the human labyrinth. Nashner LM, et al. **Brain Res** 67(2):255–68, 22 Feb 74

The time–course of recovery of flexor reflex responses after habituation and sensitization. Pearson JA. **Brain Res** 68(1):95–102, 15 Mar 74

Central and reflex participation in the timing of locomotor activations of a bifunctional muscle, the semi–tendinosus, in the cat. Perret C, et al. **Brain Res** 106(2):390–5, 23 Apr 76

Varying changes in heart rate produced by nociceptive stimulation of the skin in rats at different temperatures. Sato A, et al. **Brain Res** 110(2):301–11, 9 Jul 76

Descending spinal sympathetic pathway utilized by somato–sympathetic reflex and carotid chemoreflex. Szulczyk P. **Brain Res** 112(1):190–3, 6 Aug 76

Afferent projections in the hypoglossal nerve to the facial neurons of the cat. Tanaka T. **Brain Res** 99(1):140–4, 28 Nov 75

Evidence for abnormal long–loop reflexes in rigid Parkinsonian patients. Tatton WG, et al. **Brain Res** 100(3):671–6, 26 Dec 75

Proceedings: Reflex control of expiratory airflow and duration. Bartlett D Jr, et al. **Bull Physiopathol Respir (Nancy)** 11(2):100P–101P, Mar–Apr 75

Proceedings: The expiration reflex during pathological conditions in men. Korpas J, et al. **Bull Physiopathol Respir (Nancy)** 11(2):107P–109P, Mar–Apr 75

The effects of age on baroreceptor reflex function in man. Duke PC, et al. **Can Anaesth Soc J** 23(2):111–24, Mar 76

Ipsilateral acoustic reflex stimulation in normal and sensorineural impaired ears: a preliminary report. Fria T, et al. **Can J Otolaryngol** 4(4):695–703, 1975

Postural reflexes in chronic Chagas's heart disease. Heart rate and arterial pressure responses. Neto JA, et al. **Cardiology** 60(6):343–57, 1975

Cardiovascular reflex responses to apnoeic face immersion and mental stress in diabetic subjects. Bennett T, et al. **Cardiovasc Res** 10(2):192–9, Mar 76

An excitatory nociceptive cardiac reflex elicited by bradykinin and potentiated by prostaglandins and myocardial ischaemia. Staszewka-Barczak J, et al. **Cardiovasc Res** 10(3):314–27, May 76

Interactions between sino-aortic reflexes and cardiovascular effects of sleep and emotional behavior in the cat. Baccelli G, et al. **Circ Res** 38(6 Suppl 2):30–4, Jun 76

Influence of cardiopulmonary vagal afferent activity on carotid chemoreceptor and baroreceptor reflexes in the dog. Koike H, et al. **Circ Res** 37(4):422–9, Oct 75

Modification of the flow-generating capability of the canine heart-lung compartment by the carotid sinus baroreceptor reflex. Kostiuk DP, et al. **Circ Res** 38(6):546–53, Jun 76

Reflex suppression of renin secretion during distention of cardiopulmonary receptors in dogs. Zehr JE, et al. **Circ Res** 38(4):232–9, Apr 76

Reflex vasodilation induced by coronary angiography in human subjects. Zelis R, et al. **Circulation** 53(3):490–3, Mar 76

The Landau reaction: a clinical and electromyographic analysis. Cupps C, et al. **Dev Med Child Neurol** 18(1):41–53, Feb 76

Blink reflex in hemiplegia. Dehen H, et al. **Electroencephalogr Clin Neurophysiol** 40(4):393–400, Apr 76

Reflex effects and postsynaptic membrane potential changes during epileptiform activity induced by penicillin in decapitate spinal cords. Lothman EW, et al. **Electroencephalogr Clin Neurophysiol** 41(4):337–47, Oct 76

Proceedings: Single muscle spindle afferent recordings in human flexor reflex. Struppler A, et al. **Electroencephalogr Clin Neurophysiol** 39(5):537–8, Nov 75

Proceedings: Observations from microelectrode recording in man: relevance to the study of reflexes. Struppler A. **Electroencephalogr Clin Neurophysiol** 39(5):549, Nov 75

The clinical significance of the reflexive activity derived from the superficial forearm flexors. Deschuytere J, et al. **Electromyogr Clin Neurophysiol** 15(2):157–8, Apr–Jun 75

Flexor reflex components in relation to afferent stimulation and sural nerve biopsies. Preliminary report. Horstink MW, et al. **Electromyogr Clin Neurophysiol** 15(1):83–9, Jan–Apr 75

On the nature and meaning of the blink reflex early response. Messina C. **Electromyogr Clin Neurophysiol** 15(2):119–24, Apr–Jun 75

Somatic brain stem reflexes in clinical neurophysiology. Schenk E, et al. **Electromyogr Clin Neurophysiol** 15(2):107–16, Apr–Jun 75

A method for assessing the ankle jerk response electromyographically: preliminary results from patients with lumbar spinal disorders. Troup JD. **Electromyogr Clin Neurophysiol** 15(5–6):493–500, Oct–Dec 75

Determination of an indiction of pain by the sapheno-bicipital reflex method: physiological and pharmacological variations. Willer JC, et al. **Electromyogr Clin Neurophysiol** 15(2):127–35, Apr–Jun 75

Delayed response of ankle jerk time changes in decreasing thyroid function in comparison with the serum cholesterol changes. Váňa S, et al. **Endokrinologie** 65(2):183–9, 1975

The palmo-mental reflex. An electrophysiological study. Dehen H, et al. **Eur Neurol** 13(5):395–404, 1975

Development of vestibulo-ocular responses in visually deprived kittens. Berthoz A, et al. **Exp Brain Res** 23(4):425–42, 24 Oct 75

Postsynaptic inhibition of oculomotor neurons involved in vestibulo-ocular reflexes arising from semicircular canals of rabbits. Ito M, et al. **Exp Brain Res** 24:273–83, 26 Jan 76

Pathways for the vestibulo-ocular reflex excitation arising from semicircular canals of rabbits. Ito M, et al. **Exp Brain Res** 24:257–71, 26 Jan 76

Modulation of the functional stretch reflex by the segmental reflex pathway. Vilis T, et al. **Exp Brain Res** 25(3):247–54, 18 Jun 76

Suprabulbar modulation of reflex swallowing. Bieger D, et al. **Exp Neurol** 52(2):311–24, Aug 76

A trigemino-abducens reflex in man. Bratzlavsky M, et al. **Exp Neurol** 49(1 Pt 1):336–8, Oct 75

Somatic reflex response-reversal of reticular origin. Chase MH, et al. **Exp Neurol** 50(3):561–7, Mar 76

Variability in spinal reflexes: a correlation with spontaneous slow wave activity in cat spinal cord Molt JT, et al. **Exp Neurol** 52(1):132–45, Jul 76

Phasic EMG inhibition and spinal reflex modulation during synchronized sleep in the cat. Pivik RT, et al. **Exp Neurol** 48(3 Pt 1):493–501, Sep 75

Post-tetanic changes in the polysynaptic flexor reflex activity under various experimental conditions. Tan U. **Exp Neurol** 49(1 Pt 1):1–10, Oct 75

Reflex figures in the decerebrate and spinal state. Trubatch J, et al. **Exp Neurol** 51(2):337–46, May 76

Facial reflexes evoked by electrical stimulation of peripheral facial nerve branches in the cat: experiments of the auriculotemporal—facial nerve anastomoses. Van Hasselt P. **Exp Neurol** 51(2):407–13, May 76

Acoustic impedance measurement and autistic children. Suriá D, et al. **Folia Phoniatr (Basel)** 27(5):387–8, 1975

The significance of carotid sinus hypersensitivity in the elderly. Ritch AE. **Gerontol Clin (Basel)** 17(3):146–53, 1975

The clinical importance of reflex activity in micturition. pp. 164–70. Comarr AE.
In: Buerger AA, Tobis JS, ed. Neurophysiologic aspects of rehabilitation medicine. Springfield, Ill., Thomas, 1976. WL 102 I615n 1974. (10 ref.)

Interactions among the defense reaction, baroreceptor reflexes, and cerebellar mechanisms. pp. 252–63. Lisander B.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Laryngeal reflex mechanisms in phonation. pp. 528–37. Wyke B.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The vestibulo—cerebellar relationships: vestibulo-ocular reflex arc and flocculus. pp 129–46. Ito M.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

Renin release by central and reflex regulation. pp. 235–50. Zanchetti A, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Mastication and swallowing: motoneurone mechanisms: reflex controls. pp. 47–59. Goldberg LJ.
In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.

Mastication and swallowing in perspective. Interactions of alimentary and upp.er respiratory tract reflexes. pp 22–36. Storey AT.
In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.

Effects of vibration on human spinal reflexes. pp. 181–8. Agarwal GC, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Behaviour of human brainstem reflexes in muscles with antagonistic function. pp. 155–61. Bratzlavsky M.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Human brainstem reflexes. pp. 135–54. Bratzlavsky M.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974. (135 ref.)

The effects of caloric vestibular stimulation on the tonic vibration reflex in man. pp. 163–7. Delwaide PJ, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Reflex physiology in man. pp. 169–80. Delwaide PJ.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974. (46 ref.)

Afferent inflow from the human bladder in relation to filling and voiding. pp. 127–31. Pedersen E, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Effect of vibration on the F response. pp. 189–95. Shahani BT, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Single muscle spindle afferent recordings in human flexor reflex. pp. 197–207. Struppler A, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Mechanoreceptors in hip joint capsule and ligamentum capitis femoris and their reflex contribution to posture. pp. 52–65. Dee R.
In: Symposium on Osteoarthritis. St. Louis, Mosby, 1976. WE 348 S989s 1974.

Vestibulo-ocular reflexes. Introductory remarks. pp. 75–82. Berthoz A.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

Attempts to modify the oculomotor reflexes in the rabbit. pp. 95–101. Collewijn H.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

Habituation of vestibulo-ocular responses. pp. 103–15. Schmid R, et al.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

Change in the activity of central nervous system during balanced anesthetic states: possible mechanism. Rao LN, et al. **Indian J Med Sci** 29(10–11):257–62, Oct–Nov 75

Temporomandibular articular reflex control of the mandibular musculature. Clark RK, et al. **Int Dent J** 25(4):289–96, Dec 75

Pathways of the eye's response to topical nitrogen mustard. Jampol LM, et al. **Invest Ophthalmol** 15(6):486–9, Jun 76

Studies on vesicourethral reflexes. II. Urethral sphincteric responses to spinal cord stimulation. Jonas U, et al. **Invest Urol** 13(4):278–85, Jan 76

Individual facial areas in the human circulatory response to immersion. Parfrey P, et al. **Ir J Med Sci** 144(9):335–42, Sep 75

Loudness and the acoustic reflex. Margolis RH, et al. **J Acoust Soc Am** 58(6):1330–2, Dec 75

Effect of activating signal bandwidth on acoustic-reflex thresholds. Popelka GR, et al. **J Acoust Soc Am** 59(1):153–9, Jan 76

Acoustic reflex threshold of the chinchilla as a function of stimulus duration and frequency. Woodford CM, et al. **J Acoust Soc Am** 59(5):1204–7, May 76

Feeding and hunger reflexes in human neonates. Sugar M. **J Am Acad Child Psychiatry** 15(2):269–77, Spring 76

Susceptance and conductance changes in acoustic reflexometry. Cunningham DR, et al. **J Am Audiol Soc** 1(3):131–4, Nov–Dec 75

Admittance values associated with the acoustic reflex and reflex decay. Cunningham DR. **J Am Audiol Soc** 1(5):197–205, Mar–Apr 76

An artifact in acoustic reflex measurement: some further observations. Niswander PS, et al. **J Am Audiol Soc** 1(5):209–14, Mar–Apr 76

The problem of dizziness and syncope in old age: transient ischemic attacks versus hypersensitive carotid sinus reflex. Uesu CT, et al. **J Am Geriatr Soc** 24(3):126–35, Mar 76

An intercostal-phrenic inhibitory reflex in human newborn infants. Knill R, et al. **J Appl Physiol** 40(3):352–6, Mar 76

Tooth pulp projection to the trigeminal complex and jaw opening reflex in the cat. Azerad J, et al. **J Biol Buccale** 4(2):109–15, Jun 76

Telson reflex habituation in Limulus polyphemus. Lahue R, et al. **J Comp Physiol Psychol** 89(9):1061–9, Nov 75

Central patterning and reflex control of antennular flicking in the hermit crab Pagurus alaskensis (Benedict). Snow PJ. **J Exp Biol** 63(1):17–32, Aug 75

Reflex modulation of motoneurone activity in the cheliped of the crayfish Astacus leptodactylus. Vedel JP, et al. **J Exp Biol** 63(3):551–67, Dec 75

The transmission of reflexes in the spinal cord of cats during direct irradiation with microwaves. McRee DI, et al. **J Microwave Power** 11(1):49–60, Mar 76

Visual pattern evoked responses and blink reflexes in assessment of MS diagnosis. A clinical study of 135 multiple sclerosis/pathol Lowitzsch K, et al. **J Neurol** 213(1):17–32, 15 JUL 76

Baroreflex sensitivity and responses to the Valsalva manoeuvre in subjects with diabetes mellitus. Bennett T, et al. **J Neurol Neurosurg Psychiatry** 39(2):178–83, Feb 76

Discharge pattern of single motor units in the tonic vibration reflex of human triceps surae. Burke D, et al. **J Neurol Neurosurg Psychiatry** 39(8):729–41, Aug 76

TVR and vibration-induced timing of motor impulses in the human jaw elevator muscles. Hagbarth KE, et al. **J Neurol Neurosurg Psychiatry** 39(8):719–28, Aug 76

Central effect of bladder filling and voiding. Mai J, et al. **J Neurol Neurosurg Psychiatry** 39(2):171–7, Feb 76

Orbicularis oculi reflex in brain death. Mehta AJ, et al. **J Neurol Neurosurg Psychiatry** 39(8):784–7, Aug 76

Increases in reflex excitability of monkey masseter motoneurons before a jaw-bite reaction-time response. Blair-Thomas CA, et al. **J Neurophysiol** 38(4):981–9, Jul 75

Reflex activity in the masseter muscle of young individuals. II. Widmalm SE, et al. **J Oral Rehabil** 3(2):167–80, Apr 76

Effect of premature delivery on the maturation of the Hering-Breuer inspiratory inhibitory reflex in human infants. Kirkpatrick SM, et al. **J Pediatr** 88(6):1010–4, Jun 76

Proceedings: Pinna reflex activated gamma-efferents in the conduction velocity spectrum to hind-limb muscles in the rat. Andrew BL, et al. **J Physiol (Lond)** 251(1):50P–51P, Sep 75

Proceedings: The role of the vestibulo-ocular reflex in visual target acquisition. Barnes GR. **J Physiol (Lond)** 258(2):64P–65P, Jun 76

Proceedings: Crossed reflex actions of group I muscle afferents. Baxendale RH, et al. **J Physiol (Lond)** 251(1):53P, Sep 75

Proceedings: Reflex inhibition of parotid salivary secretion from the portal venous system of sheep. Carr DH. **J Physiol (Lond)** 251(1):15P–16P, Sep 75

Gradation of the reflex response from atrial receptors. Kappagoda CT, et al. **J Physiol (Lond)** 251(2):561–7, Oct 75

Proceedings: Interaction between tonic labyrinth and tonic neck reflexes on the forelimb in the decerebrate cat. Lindsay KW, et al. **J Physiol (Lond)** 250(1):20P–21P, Aug 75

Muscular reflex stimuli to the cardiovascular system during isometric contractions of muscle groups of different mass. McCloskey DI, et al. **J Physiol (Lond)** 250(2):431–41, Sep 75

The relative unimportance of the temporal pattern of the

primary afferent input in determining the mean level of motor firing in the tonic vibration reflex. Matthews PB. **J Physiol (Lond)** 251(2):333–61, Oct 75

Proceedings: The effects of some airway irritant reflexes upon mucus secretion from the trachea. Phipps RJ, et al. **J Physiol (Lond)** 254(1):58P–59P, Jan 76

Proceedings: Role of respiratory neurons in respiratory reflex responding to the electric stimulation of the cervical vagus nerve and internal branch of the superior laryngeal nerve. Fukuhara T, et al. **J Physiol Soc Jpn** 36(8–9):375, 1 Sep 74

Critical bandwidth and sensitivity prediction in the acoustic stapedial reflex. Schwartz DM, et al. **J Speech Hear Disord** 41(2):244–55, May 76

Effects of the carotid sinus reflex upon coronary vessel tone. Limet R, et al. **J Surg Res** 19(3):199–207, Sep 75

Detrusor and urethral electromyelography. Bradley WE, et al. **J Urol** 114(6):891–4, Dec 75

Correlative changes in total vascular capacity and resistance in carotid sinus reflex. Suga H, et al. **Jpn Heart J** 17(2):196–210, Mar 76

Letter: Ventricular tachycardia caused by the diving reflex. Condry P, et al. **Lancet** 2(7947):1263, 20 Dec 75

Mechanisms of reflex cardiac arrest in tetraplegic patients. Frankel HL, et al. **Lancet** 2(7946):1183–5, 13 Dec 75

Letter: Reflex cardiac arrest in tetraplegia. Sleight P. **Lancet** 1(7953):253, 31 Jan 76

The blink reflex in leprosy. Pandya SS. **Neurol India** 23(3):129–34, Sep 75

The orbicularis oculi reflex in infancy and childhood. Establishment of normal values. Clay SA, et al. **Neurology (Minneap)** 26(6 PT 1):521–4, Jun 76

Somatic–respiratory reflex and onset of regular breathing movements in the lamb fetus in utero. Condorelli S, et al. **Pediatr Res** 9(12):879–84, Dec 75

The baroreceptor reflex and the cardiovascular changes associated with sustained muscular contraction in the cat. Coote JH, et al. **Pfluegers Arch** 363(2):167–73, 12 May 76

Letter: Neurophysiological investigation of spinal reflexes at different temperatures of the spinal cord in birds and reptiles. Görke K, et al. **Pfluegers Arch** 359(3):269–71, 9 Sep 75

Vasoconstrictor and pilomotor fibres in skin nerves to the cat's tail. Grosse M, et al. **Pfluegers Arch** 361(3):221–9, 24 Feb 76

Systemic arterial baroreceptor reflexes. Kirchheim HR. **Physiol Rev** 56(1):100–77, Jan 76 (593 ref.)

The role of unilateral vagotomy on reflex bronchoconstriction. Islam MS, et al. **Pneumonologie** 152(4):281–9, 14 Nov 75

Reflex control of airways smooth muscle. Widdicombe JG. **Postgrad Med J** 51(7 SUPPL):36–44, 1975

Chemosensitive spinal afferents: thresholds of specific and nociceptive reflexes as compared with thresholds of excitation for receptors and axons. Khayutin VM, et al. **Prog Brain Res** 43:293–306, 1976

Reflex control of the peripheral circulation. Abboud FM, et al. **Prog Cardiovasc Dis** 18(5):371–403, Mar–Apr 76 (182 ref.)

The problem of anorectal continence. Holschneider AM. **Prog Pediatr Surg** 9:85–97, 1976

Habituation of the orienting response in sleep. McDonald DG, et al. **Psychophysiology** 12(6):618–23, Nov 75

Cephalic and digital vasomotor orienting responses: the effect of stimulus intensity and rise time. Öster PJ, et al. **Psychophysiology** 12(6):642–8, Nov 75

Effects of 'below–zero' habituation on the electrodermal orienting response to a test stimulus. Stephenson D, et al. **Psychophysiology** 13(1):10–5, Jan 76

Activity of medullary respiratory neurones during reflexes from the lungs in cats. Bianchi AL, et al. **Respir Physiol** 25(3):335–52, Dec 75

The prognostic significance of the viscerocardiac reflex phenomenon. Serebro HA. **S Afr Med J** 50(20):769–72, 8 May 76

Detrusor hyperreflexia. A survey on its etiology and treatment. Hebjorn S, et al. **Scand J Urol Nephrol** 10(2):103–9, 1976

Eyeblink inhibition by monaural and binaural stimulation: one ear is better than two. Marsh RR, et al. **Science** 192(4237):390–1, 23 Apr 76

Habituation of reflexes in Aplysia: contribution of the peripheral and central nervous systems. Peretz B, et al. **Science** 191(4225):396–9, 30 Jan 76

Dynamic properties of acoustic reflex adaptation. Kaplan HJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(3 pt 1):368–74, May–Jun 76

Alterations of the human vestibulo–ocular reflex in a simulated dive at 62 ATA. Gauthier GM. **Undersea Biomed Res** 3(2):103–12, Jun 76

Reflex electrical stimulation for urinary incontinence. Rakovec S. **Urol Int** 31(1–2):111–23, 1976

Carotid sinus syncope: its diagnosis and management. Schwalbach J, et al. **W Va Med J** 71(11):320–6, Nov 75

Circulatory effects of vagal inflation reflex in man. Ott NT, et al. **Z Kardiol** 64(11):1066–70, Nov 75

[Effect of some central nervous interventions on Breuer's and Herring's inflation reflex in the rats] Smejkal V, et al. **Cas Lek Cesk** 114(44):1355–9, 31 Oct 75 (Eng. Abstr.) **(Cze)**

[Acoustic and nonacoustic stimuli in the examination of reflexes of middle ear muscles] Součková A. **Cesk Otolaryngol** 25(3):156–9, Jun 76 (Eng. Abstr.) **(Cze)**

[Functional disorders of the spine and reflex changes in peptic ulcer of adolescents] Rychlíková E, et al. **Vnitr Lek** 22(4):326–35, Apr 76 (Eng. Abstr.) **(Cze)**

[Strumpell or Babinski? History of plantar reflex] Gijn JV. **Ned Tijdschr Geneeskd** 119(44):1700–7, 1 Nov 75 (89 ref.) **(Dut)**

[Letter: Strümpell or Babinski?] Pool GM. **Ned Tijdschr Geneeskd** 120(4):172, 24 Jan 76 **(Dut)**

[Exteroceptive reflex control of the levator palpebrae muscle in man (author's transl)] Bratzlavsky M. **Acta Neurol Belg** 75(3–4):129–33, May–Aug 75 (Eng. Abstr.) **(Fre)**

[Diagnosis of perceptive type hearing deficiency in children by determination of stapes reflex thresholds] Courtoy M, et al. **Acta Otorhinolaryngol Belg** 29(4):657–60, 1975 (Eng. Abstr.) **(Fre)**

[2 reflex stages in equilibrium provoked by the proprioceptors of the ocular muscles. Analysis using Fukuda's step test and the orthostatic reflex test] Ushio N, et al. **Agressologie** 16 Spec No D:39–52, 1975 (Eng. Abstr.) **(Fre)**

[Monosynaptic and polysynaptic cerebral reflexes during wake–sleep cycle in cats with implanted electrodes] Ternaux JP, et al. **Arch Ital Biol** 113(2):89–106, Jun 75 **(Fre)**

[Vascular reflex responses during skeletal muscle contraction in dogs] Clément D, et al. **Arch Mal Coeur** 68(3):311–3, Mar 75 (Eng. Abstr.) **(Fre)**

[The use of the stapedius reflex in the fitting of hearing aids (author transl)] Tato JM, et al. **Audiology** 15(5):428–32, Sep–Oct 76 (Eng. Abstr.) **(Fre)**

[Electrophysiological study of the blinking reflex of Macacus cynomolgus] Willer JC, et al. **C R Acad Sci [D] (Paris)** 281(9):563–6, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Conditional suppression of a reflex in Drosophila melanogaster: acquisition and extinction] Médioni J, et al. **C R Soc Biol (Paris)** 169(5):1386–91, 1975 (Eng. Abstr.) **(Fre)**

[Adrenergic and cholinergic control of oxytocin release evoked by vaginal, vagal and mammary stimulation in lactating rats (author's transl)] Moos F, et al. **J Physiol (Paris)** 70(3):315–32, Nov 75 (Eng. Abstr.) **(Fre)**

[The visceral vascular bladder reflex in cerebral lesions] Timmermans L. **J Urol Nephrol (Paris)** 80(12 pt 2):229–37, Dec 74 **(Fre)**

[The influence of anticipation of pain on heart and respiratory rates and on the pain reflex in man] Willer JC. **Physiol Behav** 15(5):411–5, Oct 75 (Eng. Abstr.) **(Fre)**

[Chemoreflex control of ventilation in patients with chronic hypoxia] Flandrois R, et al. **Poumon Coeur** 30(4):301–11, 1974 (Eng. Abstr.) **(Fre)**

[Analysis of some peripheral reflexes during epileptic seizures] Amand G, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):270–4, Jul–Sep 75 **(Fre)**

[Analysis of a linguo–labial reflex in man] Bratzlavsky M. **Rev Electroencephalogr Neurophysiol Clin** 3(2):207–8, Apr–Jun 73 **(Fre)**

[Current results of microneurography in man. Its value for reflexology] Struppler A. **Rev Electroencephalogr Neurophysiol Clin** 4(4):525–38, Oct–Dec 74 **(Fre)**

[Prevention of nausea reflex in current practice] Molhant G. **Sem Hop Ther** 52(1):53–4, Jan 76 **(Fre)**

[Plastic response changes in neurons from lateral geniculate body in rats submitted to conditional reflectory stimulation] Davidowa H, et al. **Acta Biol Med Ger** 34(8):1359–68, 1975 (Eng. Abstr.) **(Ger)**

[Biocybernetic studies on reflectory heart modification in the rabbit] Scheufler K, et al. **Acta Biol Med Ger** 34(7):1239–47, 1975 (Eng. Abstr.) **(Ger)**

[Orienting reflex in children's audiometry] Bernath O, et al. **Folia Phoniatr (Basel)** 27(5):389–92, 1975 (Eng. Abstr.) **(Ger)**

[The oculoauricular phenomenon: a new reflex, a new muscle — m. retroauricularis (polygraphic EMG study) (author's transl)] Heuser M. **J Neurol** 212(1):95–9, 23 Mar 76 (Eng. Abstr.) **(Ger)**

[Neurological findings (especially 'developmental reflexes') in residents of homes for the aged (author's transl)] Hildenhagen O, et al. **J Neurol** 213(2):133–42, 6 AUG 76 (Eng. Abstr.) **(Ger)**

[Orbicularis oculi reflexes and evoked response of orbicularis oris muscle in Bell's palsy. A prognostic study (author's transl)] Manz F, et al. **J Neurol** 210(4):271–81, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Orbicularis oculi reflex after facial paralysis: decreased amplitude of reflex response and spreading to all hemifacial muscles after reinnervation (author's transl)] Stöhr M. **J Neurol** 212(1):85–9, 23 Mar 76 (Eng. Abstr.) **(Ger)**

[A electromyographic study of the vestibular reflexes. A clinical experimental study on human beings (author's transl)] Emami–Nouri M. **Laryngol Rhinol Otol (Stuttg)** 54(6):512–30, Jun 75 (Eng. Abstr.) **(Ger)**

[Respiratory reflexes and their clinical significance] Nolte D. **Med Klin** 70(45):1793–1800, 7 Nov 75 (22 ref.) **(Ger)**

[Hand spreading reflex—a physiologic reflex of the small child] Ries H. **Monatsschr Kinderheilkd** 124(5):495–6, May 76 **(Ger)**

[Local oversensitivity of sensoric receptors as cause of reflectoric airway obstruction (author's transl)] Islam MS, et al. **Respiration** 32(6):445–52, 1975 **(Ger)**

[Incidence of corneo–mandibular reflex as an effect of narcosis] Krauss J, et al. **Z Aerztl Fortbild (Jena)** 69(24):1296–8, 15 Dec 75 **(Ger)**

[Sources of infant neurology. The role of the development of involuntary and voluntary movements in infancy in the reflex theory of Ivan Mikhailovich Sechenov] Katona F. **Orv Hetil** 116(34):2013–5, 24 Aug 75 **(Hun)**

[Positioning reflex and eye movements induced by diffuse illumination] Arduini A, et al. **Boll Soc Ital Biol Sper** 51(23):1794–7, 15 Dec 75 **(Ita)**

[Cardio–cardiac sympathico–vagal reflex] Schwartz PJ, et al. **Boll Soc Ital Cardiol** 17(12):1257–63, 1972 (Eng. Abstr.) **(Ita)**

[Physiopathological and nosographical aspects of reflex syncope] Sangiorgi M, et al. **G Ital Cardiol** 6(1):3–11, 1976 (103 ref.) **(Ita)**

[Vestibulo–oculomotor reflexes in the course of dysmetabolic coma (author's transl)] Genco S, et al. **Riv Patol Nerv Ment** 95(5):731–6, Oct 74 (Eng. Abstr.) **(Ita)**

[Blink reflex in patients with bihemispherical lesions (author's transl)] Messina C, et al. **Riv Patol Nerv Ment** 95(5):714–23, Oct 74 (Eng. Abstr.) **(Ita)**

[Neural mechanisms of the corneal reflex blinking in cat (author's transl)] Hiraoka M. **Acta Soc Ophthalmol Jpn** 80(3):168–76, Mar 76 (Eng. Abstr.) **(Jpn)**

[A study of foveal reflex (author's transl)] Miki T, et al. **Acta Soc Ophthalmol Jpn** 79(12):1852–6, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Reflex responses and spasmic–after–discharges evoked in the internal laryngeal muscles (author's transl)] Murakami Y. **J Otolaryngol Jpn** 79(1):14–20, 20 Jan 76 (Eng. Abstr.) **(Jpn)**

[Proceedings: Electric activity of the gastric motility center of the medulla oblongata and its relation to reflex control by the splanchnic nerves] Fujii I, et al. **J Physiol Soc Jpn** 36(8–9):289, 1 Sep 74 **(Jpn)**

[Proceedings: Blood sugar control reflex by the pressoreceptors] Fukuda A, et al. **J Physiol Soc Jpn** 36(8–9):289–90, 1 Sep 74 **(Jpn)**

[Proceedings: Reflex adjustment of the lower jaw from a lateral deviation] Funakoshi M, et al. **J Physiol Soc Jpn** 36(8–9):373, 1 Sep 74 **(Jpn)**

[Proceedings: Control mechanism of vestibular oculomotor reflex by cerebellar flocculus] Ito M, et al. **J Physiol Soc Jpn** 36(8–9):270, 1 Sep 74 **(Jpn)**

[Proceedings: Reflex of the stomach elicited by the skin] Kaseda M, et al. **J Physiol Soc Jpn** 36(8–9):290–1, 1 Sep 74 **(Jpn)**

[Proceedings: Reflex from the skin to the heart] Kaseda M, et al. **J Physiol Soc Jpn** 36(8–9):385, 1 Sep 74 **(Jpn)**

[Proceedings: Urinary reflex—a study by simulation] Kikuchi M, et al. **J Physiol Soc Jpn** 36(8–9):335, 1 Sep 74 **(Jpn)**

[Proceedings: Reflective electric discharge of the hypoglossal nerve of frogs] Nakahara T, et al. **J Physiol Soc Jpn** 36(8–9):279, 1 Sep 74 **(Jpn)**

[Proceedings: Spinal pathway for the SBS reflex and reflex center in the brain stem] Shimamura M. **J Physiol Soc Jpn** 36(8–9):268, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of cerebellum and brain stem on the vestibular oculomotor reflex system in cats] Shinoda Y, et al. **J Physiol Soc Jpn** 36(8–9):272, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of sensory stimulation on glottis reflex] Suzuki M, et al. **J Physiol Soc Jpn** 36(8–9):280, 1 Sep 74 **(Jpn)**

[Maintenance of the posture and synergic reflex] Aoki M. **Jpn J Clin Med** 33(10):2978–84, Oct 75 **(Jpn)**

[Effect of the reflex of the carotid sinus on the heart rate and atrial conduction time] Hishimoto Y, et al. **Jpn J Clin Med** 33(7):2395–400, 10 Jul 75 **(Jpn)**

[Examination of the reflexes. (Part II) Superficial reflexes and pathological reflexes (author's transl)] Araki S. **Neurol Surg (Tokyo)** 4(8):721–6, 10 Aug 76 **(Jpn)**

[Autonomic reflexes evoked from the urinary bladder (author's transl)] Shishito S, et al. **Respir Circ (Tokyo)** 23(8):683–9, Aug 75 **(Jpn)**

[Some postural reflexes and the development of static functions in children with infantile cerebral palsy] Wojewska–Wójcik B. **Neurol Neurochir Pol** 9(5):591–6, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Development of righting reflexes and their influence on the development of static functions in children with infantile cerebral palsy] Wojewska–Wójcik B. **Neurol Neurochir Pol** 9(6):705–10, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Audio–auricular Preyer's reflex in guinea pigs exposed to industrial and pulse noise] Szmeja Z, et al. **Otolaryngol Pol** 29(5):443–7, 1975 (Eng. Abstr.) **(Pol)**

[Diagnostic value of oculo–facial reflexes] Drăghici L, et al. **Rev Med Intern [Neurol Psihiatr]** 20(1):45–52, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Changes in the diameter of organ arteriovenous anastomoses during pressor reflexes] Pozdniakov PK, et al. **Biull Eksp Biol Med** 80(11):11–3, Nov 75 (Eng. Abstr.) **(Rus)**

[1st order spinal neurons in the flexor reflex afferent system] Safiants VI, et al. **Dokl Akad Nauk SSSR** 223(4):1029–32, 1 Aug 75 **(Rus)**

[Experimental lung autotransplantation and Hering–Breuer reflex] Rabinovich Iul, et al. **Eksp Khir Anesteziol** (4):31–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The role of several brain stem structures in activation of the neocortex and motor reflexes in chronically premesencephalic cats] Bakuradze AN, et al. **Fiziol Zh SSSR** 62(1):22–8, Jan 76 (Eng. Abstr.) **(Rus)**

[A new model of the cardio–cardiac reflex] Kamenskaia VN, et al. **Fiziol Zh SSSR** 62(5):703–10, May 76 (Eng. Abstr.) **(Rus)**

[The pressor reflex induced by skeletal muscle contraction and its influence on the reflex from the sino–aortic zones] Medvedev OS, et al. **Fiziol Zh SSSR** 62(5):731–9, May 76 (Eng. Abstr.) **(Rus)**

Vascular reflexes in intact and spinal cats following local thermostimulation of the skin] Tsitsurin VI. **Fiziol Zh SSSR** 62(4):578–85, Apr 76 (Eng. Abstr.) **(Rus)**

[The mechanism of skin receptor excitation during temperature stimulation] Zeveke AV. **Fiziol Zh SSSR** 62(1):91–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Role of the receptors of parietal peritoneum and heart in the reflex changes of blood pressure during the increase of intraperitoneal pressure] Sokolov AD. **Kardiologiia** 15(8):135–7, Aug 75 **(Rus)**

[The possibility of different effects of primary afferent depolarization on spinal reflexes] Krokhina OS, et al. **Neirofiziologiia** 7(5):519–26, 1975 (Eng. Abstr.) **(Rus)**

[Polysynaptic components of the early somato–sympathetic reflex response in the lumbar white rami communicantes] Lebedev VP, et al. **Neirofiziologiia** 7(2):194–202, 1975 **(Rus)**

[Participation of different groups of afferent fibers of mesenteric nerves in vasomotor reflexes] Lukoshkova EV. **Neirofiziologiia** 7(4):395–402, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the activity of the neuro–muscular, respiratory and cardiovascular systems in children with scoliosis] Voronovich IR, et al. **Ortop Travmatol Protez** (11):61–4, Nov 75 **(Rus)**

[Spinal cord vasomotor reflexes—critique of the concept of a bulbar vasomotor center] Lukoshkova EV. **Probl Kosm Biol** 31:135–57, 1975 **(Rus)**

[Thermoregulatory reflex to cold in patients with chronic vesicular dermatoses] Torsuev NA, et al. **Vestn Dermatol Venerol** (1):28–30, Jan 74 **(Rus)**

[Acoustic reflex as an objective method of evaluation of the sensitivity of the auditory threshold] Bazarov VB, et al. **Vestn Otorinolaringol** (2):29–34, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Present–day theories on the role of vestibular vascular reflexes in the regulation of cerebrovascular circulation and the mechanism of vestibular reactions] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** (1):3–11, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Importance of a positive viscerocardiac reflex in detecting peptic ulcer in flight staff] Vlasov VD. **Voen Med Zh** (1):67–9, Jan 76 **(Rus)**

[Effect of diabetes mellitus in pregnancy on the development of the reflex apparatus of the spinal cord in newborn infants] Ailamazian LN, et al. **Vopr Okhr Materin Det** 20(7):63–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Dynamics of neuro–humoral reactions of resistant and capacitive vessels in the process of adaptation to conditions of high altitude. 1. Reflective reactions (experimental study)] Daniiarov SB, et al. **Zdravookhr Kirg** (4):10–5, Jul–Aug 75 **(Rus)**

[Postactivational changes in the reflex excitability of the motoneuronal apparatus of the spinal cord in newborn infants] Glukhova NK. **Zh Evol Biokhim Fiziol** 11(5):490–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Parameters of the reflex responses of cat spinal cord neurons during ontogenesis] Zakher Iulia, et al. **Zh Evol Biokhim Fiziol** 12(2):154–60, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of studying the orbicularis oculi muscle reflex in disseminated sclerosis] Manovich ZKh, et al. **Zh Nevropatol Psikhiatr** 74(2):189–91, 1974 (Eng. Abstr.) **(Rus)**

[Acoustic reflex in the diagnosis of peripheral lesions of the auditory analyzer] Bazarov VG, et al. **Zh Ushn Nos Gorl Bolezn** (5):1–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Participation of identified neurons in an unconditioned reflex in snails] Balaban PM, et al. **Zh Vyssh Nerv Deiat** 25(6):1320–3, Nov–Dec 75 **(Rus)**

[Models of learning based on the plastic properties of the 'placing reaction' in cats] Kotliar BI, et al. **Zh Vyssh Nerv Deiat** 25(5):967–73, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of multiple systematic knee reflex elicitation on its development in young children] Malakhovskaia DB, et al. **Zh Vyssh Nerv Deiat** 25(4):784–91, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The effect of electrocutaneous stimulation on achievement of the extrapolation reflex] Zabelin SI. **Zh Vyssh Nerv Deiat** 25(4):856–7, Jul–Aug 75 **(Rus)**

[Vasomotor reflexes in the vascular bed in skin of extremities induced by a deep breath (author's transl)] Kellerová E. **Bratisl Lek Listy** 64(5):616–25, Nov 75 (Eng. Abstr.) **(Slo)**

[Respiratory reflexes in early ontogenesis] Korpáš J. **Cesk Fysiol** 24(6):543–5, 1975 **(Slo)**

DRUG EFFECTS

Effect of central depressants on the acoustic middle ear reflex in rabbit. A method for quantitative measurements of drug effect on the CNS. Borg E, et al. **Acta Physiol Scand** 94(3):327–38, Jul 75

Effects of synthetic buffers on reflexes in the isolated frog spinal cord. Davidoff RA, et al. **Am J Physiol** 229(3):831–7, Sep 75

Ketamine and the oculocardiac reflex. Dysrhythmia in pediatric strabismus surgery: the role of intravenous atropine. Apivor D, et al. **Anaesthesia** 31(1):18–22, Jan–Feb 76

Influence of imipramine on the circulatory system in the course of endogenous depressive syndromes. II. Influence of imipramine on vascular reflexes. Strzyzewski W, et al. **Arch Immunol Ther Exp (Warsz)** 23(6):803–7, 1975

Study of the action of some centrally acting drugs on the EEG and on a conditioned avoidance reflex in the rabbit. Bonfitto M, et al. **Arch Int Pharmacodyn Ther** 217(1):131–9, Sep 75

Respiratory and circulatory reflexes induced by nicotine injections: role of carotid body chemoreceptors. Zapata P, et al. **Arch Int Pharmacodyn Ther** 219(1):128–39, Jan 76

Peristaltic reflex: supersensitivity to catecholamines. I. The muscular site of action. Perucca E, et al. **Boll Soc Ital Biol Sper** 52(9):568–74, 15 MAY 76

Peristaltic reflex: supersensitivity to catecholamines. II. The inhibition of the nervous structures. Perucca E, et al. **Boll Soc Ital Biol Sper** 52(9):575–80, 15 MAY 76

Site of action of catecholamines on the peristaltic reflex. Perucca E, et al. **Boll Soc Ital Biol Sper** 52(9):581–6, 15 MAY 76

Letter: Hyoscine butylbromide and the oculo–cardiac reflex. Fry EN, et al. **Br J Ophthalmol** 59(9):525, Sep 75

Antagonism between Lioresal and substance P in rat spinal cord. Saito K, et al. **Brain Res** 97(1):177–80, 24 Oct 75

The effects of althesin on arterial pressure, pulse rate preganglionic sympathetic activity and barostatic reflexes in cats. Sapthavichaikul S, et al. **Can Anaesth Soc J** 22(5):587–600, Sep 75

The effect of metoclopramide on intestinal muscle responses and the peristaltic reflex in vitro. Okwuasaba FK, et al. **Can J Physiol Pharmacol** 54(03):393–404, Jun 76

Interaction of the chemoreflex and the pulmonary inflation reflex in the regulation of coronary circulation in conscious dogs. Vatner SF, et al. **Circ Res** 37(5):664–73, Nov 75

Action of propranolol on arterial pressure and on cardiovascular reflexes. Korner PI, et al. **Drugs** 11 SUPPL 1:143–50, 1976

Apomorphine–like effect of an aminotetralin on the linguomandibular reflex of the cat. Ilhan M, et al. **Eur J Pharmacol** 33(1):61–4, Aug 75

Assessment of cardiac autonomic excitability in renal hypertensive rabbits using clonidine–induced resetting of the baroreceptor–heart rate reflex. Korner PI, et al. **Eur J Pharmacol** 33(2):353–62, Sep–Oct 75

Lower limb reflex changes in segmental epidural analgesia. pp. 13–6. Bromage PR.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Bulbospinal noradrenaline and 5–hydroxytryptamine neuron systems following intra–cisternal 6–hydroxydopamine: number of cell bodies and axons, nerve terminal densities, 3H–transmitter uptake, and hindlimb reflexes. pp. 247–52. Olson L, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.1.

Pharmacological blocking of the human fusimotor system. pp. 111–5. Mai J, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

The effects of serotonergic and antiserotonergic drugs on the flexor reflex of spinal rat: a proposed model to evaluate the action on the central serotonin receptor. Maj J, et al. **J Neural Transm** 38(2):131–47, 1976

Nicotine–induced reflex depression of alpha motoneuron activity in the absence of fusimotor–spindle feedback. Ginzel KH, et al. **J Neurosci Res** 1(3–4):253–65, 1975

The effect of L–tryptophan on spinal cord C–fiber reflexes. Bell JA, et al. **J Pharmacol Exp Ther** 196(2):373–9, Feb 76

Ethanol effects on muscle spindle afferent activity and spinal reflexes. Lathers CM, et al. **J Pharmacol Exp Ther** 197(1):126–34, Apr 76

Actions of methoxamine and tryptamine and their interactions with cyproheptadine and phenoxybenzamine on cat spinal cord segmental reflexes. Vaupel DB, et al. **J Pharmacol Exp Ther** 196(1):87–96, Jan 76

Proceedings: Hemodynamic changes of the carotid sinus reflex in spontaneously hypertensive and normotensive Wistar rats and the effects of alpha– and beta–adrenergic blockers. Sasaki T, et al. **Jpn Heart J** 17(3):361–2, May 76

Unexpected reversal effects of naloxone on the guinea pig ileum. Van Nueten JM, et al. **Life Sci** 18(8):803–9, 15 Apr 76

Effects of intraventricularly injected 6–hydroxydopamine on carotid sinus baroreceptor reflex in rabbits. Takishita S. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):345–58, 30 Jul 75

Drug action on the 'grasping' reflex and on swimming endurance; an attempt to characterize experimentally antidepressant drugs. Molinengo L, et al. **Neuropharmacology** 15(4):257–60, Apr 76

The effects of 1–(1–phenylcyclohexyl) piperidine HCL (Sernylan) on bulbo–spinal and spinal reflexes. White FP, et al. **Neuropharmacology** 14(9):665–74, Sep 75

The influence of LSD on the hind limb flexor reflex in the spinal rat. Palider W, et al. **Pol J Pharmacol Pharm** 27(Suppl):173–9, Oct 75

The oculocardiac reflex. Dewar KM. **Proc R Soc Med** 69(5):373–4, May 76

Analgesia mediated by a direct spinal action of narcotics. Yaksh TL, et al. **Science** 192(4246):1357–8, 25 Jun 76

Studies on the central vasomotor reflexes in cats after intraventricular administration of whole venom of Dendroaspis jamesoni. Telang BV, et al. **Toxicon** 14(2):133–8, 1976

[Action of depressant drugs on tympanic reflexes (quantitative electrophysiologic study)] Paultre CZ, et al. **Ann Pharm Fr** 33(8–9):405–12, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Cardiovascular reflex–reactions on the blood volume changes before and after pharmacological elimination of the efferent heart innervation] Biewald GA. **Acta Biol Med Ger** 34(9):1491–8, 1975 (Eng. Abstr.) **(Ger)**

[Effect of angiotensin II on the conditional relfex response patterns of neurotic albino rats] Hecht K, et al. **Acta Biol Med Ger** 34(9):1453–64, 1975 (Eng. Abstr.) **(Ger)**

[Use of the principle of aspecificity in depressants of the central nervous system] Fubini B, et al. **Boll Soc Ital Biol Sper** 51(23):1804–8, 15 Dec 75 **(Ita)**

[Effects of dopamine on the vestibulo–ocular reflex in parkinsonism] Genco S, et al. **Boll Soc Ital Biol Sper** 51(20):1375–81, 30 Oct 75 **(Ita)**

[Effects of apomorphine on the vestibulo–ocular reflex in normal subjects and in patients with parkinsonism] Serlenga L, et al. **Boll Soc Ital Biol Sper** 51(20):1382–6, 30 Oct 75 **(Ita)**

[Modifications induced by antidepressant drugs on the vestibulo–ocular reflex in man] Specchio LM, et al. **Boll Soc Ital Biol Sper** 51(20):1369–74, 30 Oct 75 **(Ita)**

[Research on the neurohumoral regulation of the circulation. Cardiovascular and respiratory reflex responses after chemical stimulation of vascular receptors in the femoral circulation region] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(7):749–74, 1974 (Eng. Abstr.) **(Ita)**

[Research on the neuro–humoral regulation of circulation. Analysis of the cardiovascular and respiratory reflex responses induced by intracarotid injection of bradykinin] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(1):85–106, 1974 (Eng. Abstr.) **(Ita)**

[Research on neuro–humoral regulation of the circulation. Study of the cardiovascular and respiratory reflex responses caused by stimulation of chemoreceptors sensitive to bradykinin in the femoral circulatory region] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(1):61–83, 1974 (Eng. Abstr.) **(Ita)**

[Vestibulo–oculomotor and trigemino–facial reflexes and H–reflex in the course of central depression produced by sodium gamma–hydroxybutyrate] Puca F, et al. **Riv Neurol** 45(2):203–9, Apr–Jun 75 **(Ita)**

[Trigemino–facial and vestibulo–oculomotr reflexes during central depression induced by GHB (author's transl)] Ferrannini E, et al. **Riv Patol Nerv Ment** 95(5):724–30, Oct 74 **(Ita)**

[Mechanism of action of nonachlazin on nervous regulation of coronary circulation] Bendikov EA, et al. **Biull Eksp Biol Med** 81(3):319–22, Mar 76 (Eng. Abstr.) **(Rus)**

[Effect of gamma–aminobutyric acid and phenibut on the central links of the vascular reflexes with chemo– and mechanoreceptors of the aorto–carotid zone] Kovalev GV, et al. **Biull Eksp Biol Med** 79(4):71–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of phenamine and gutimine and gutimine on adaptive changes in arterial pressure occurring during skeletal muscle contraction] Medvedev OS, et al. **Biull Eksp Biol Med** 80(12):41–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Pharmacological properties of the alkaloid thalicmine] Sadritdinov FS, et al. **Farmakol Toksikol** 38(4):490–1, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[State of labyrinth tonic posture reflexes during administration to rabbits of microelements (copper, manganese and cobalt)] Raitses VS, et al. **Kosm Biol Aviakosm Med** 10(1):45–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Spinal mechanisms of motor disinhibition following barbamyl administration] Kaufman DA. **Zh Nevropatol Psikhiatr** 75(12):1814–21, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Changes in the functional state of the higher divisions of the central nervous system under the influence of conflicting unconditioned reflexes] Kruglikov RI, et al. **Izv Akad Nauk SSSR [Biol]** (2):271–80, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Analysis of central mechanisms of interoceptive influence on vestibulo–somatic reflexes] Dutov AM. **Zh Ushn Nos Gorl Bolezn** (6):75–6, Nov–Dec 75 **(Rus)**

[The effect of cryogenic exclusion of the neocortex on preservation of the functioning of its temporal regions] Plekhanov VA. **Zh Vyssh Nerv Deiat** 26(1):81–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Letter: Effect of x-rays on the Indian stick insect (Carausius morosus BR.)] Beissler G, et al. **Int J Radiat Biol** 28(4):391–2, Oct 75 **(Ger)**

REFLEX, ABDOMINAL see under **REFLEX**

REFLEX, ABNORMAL

The significance of a crossed extensor hallucis response in neurologic disorders: a comparison with the Babinski sign. Hindfelt B, et al. **Acta Neurol Scand** 53(4):241–50, Apr 76

Letter: Dorisflexor babinski. Smith MS. **Ann Intern Med** 84(2):223–4, Feb 76

Electrically elicited blink reflex in diagnosis of multiple sclerosis. Review of 260 patients over a seven-year period. Kimura J. **Brain** 98(3):413–26, Sep 75

Note on thresholds in paralegic man. McCouch GP, et al. **Brain** 97(3):601–8, Sep 74

Exaggeration of knee-jerk following spinal hemisection in monkeys. Aoki M, et al. **Brain Res** 107(3):471–85, 14 May 76

Roussy-Levy Syndrome with psychosis. Latimer PR, et al. **Can Psychiatr Assoc J** 20(4):287–9, Jun 75

Jaw reflexes and masseter electromyograms in mesencephalic and pontine lesions: an electrodiagnostic study. Ongerboer De Visser BW, et al. **J Neurol Neurosurg Psychiatry** 39(1):90–2, Jan 76

Bulbocavernosus reflex in normal men and in patients with neurogenic bladder and/or impotence. Ertekin C, et al. **J Neurol Sci** 28(1):1–15, May 76

Orbicularis oculi reflex and facial muscle electromyography. Pre- and postoperative evaluation of posterior fossa space-occupying lesions. Raman PT, et al. **J Neurosurg** 44(5):550–5, May 76

Electrophysiological technique for evaluating lesions of the conus medullaris and cauda equina. Rockswold GL, et al. **J Neurosurg** 45(3):321–6, Sep 76

Electrophysiologic analysis of aberrant regeneration after facial nerve paralysis. Kimura J, et al. **Neurology (Minneap)** 25(10):989–93, Oct 75

The significance of the Babinski sign in the newborn–a reappraisal. Ross ED, et al. **Pediatrics** 57(1):13–5, Jan 76

[Paradoxical pupillary reaction to light — a pupillographic study (author's transl)] Müller-Jensen A, et al. **J Neurol** 212(1):101–6, 23 Mar 76 (Eng. Abstr.) **(Ger)**

[Heredo familial areflectoric dystasie. Roussy-Lévy-Syndrome (author's transl)] Coradello H, et al. **Monatsschr Kinderheilkd** 124(4):162–6, Apr 76 (Eng. Abstr.) **(Ger)**

[The Roussy-Lévy syndrome] Neundörfer B, et al. **Nervenarzt** 47(3):153–6, Mar 76 **(Ger)**

[Skin temperature topography and the thermoreflex in atherosclerotic psychosis] Aminov KhA. **Zh Nevropatol Psikhiatr** 76(3):409–12, 1976 **(Rus)**

[The reflex on shortening (the Westphal phenomenon) in deforming muscular (torsion) dystrophy] Safronov VA, et al. **Zh Nevropatol Psikhiatr** 75(10):1495–1500, 1975 (Eng. Abstr.) **(Rus)**

[Effect of Plegomazine on the Babinski reflex] Drobný M, et al. **Cesk Neurol Neurochir** 38(5):302–6, Sep 75 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Marcus gunn (jaw-winking) syndrome. Awan KJ. **Am J Ophthalmol** 82(3):503–4, Sep 76

DIAGNOSIS

[Crossed pectoral reflex] Moldaver J. **Rev Neurol (Paris)** 131(11):817–8, Nov 75 **(Fre)**

[Examination of the reflexes. (Part II) Superficial reflexes and pathological reflexes (author's transl)] Araki S. **Neurol Surg (Tokyo)** 4(8):721–6, 10 Aug 76 **(Jpn)**

DRUG THERAPY

Pentolinium in the management of autonomic hyperreflexia. Texter JH Jr, et al. **J Urol** 116(3):350–1, Sep 76

ETIOLOGY

Autonomic hyperreflexia. Feustel D. **Am J Nurs** 76(2):228–30, Feb 76

Autonomic dysreflexia in patients with spinal cord lesions: complication of voiding cystourethrography and Ileal loopography. Barbaric ZL. **Am J Roentgenol** 127(2):293–5, Aug 76

Reversible corticospinal abnormality in the alcoholic. Huang CY, et al. **Proc Aust Assoc Neurol** 12:107–10, 1975

[Changes in the H-reflex of children with cerebral spastic hemiparesis] Kosheleva GG, et al. **Zh Nevropatol Psikhiatr** 75(10):1452–8, 1975 (Eng. Abstr.) **(Rus)**

HISTORY

[Strumpell or Babinski? History of plantar reflex] Gijn JV. **Ned Tijdschr Geneeskd** 119(44):1700–7, 1 Nov 75 (89 ref.) **(Dut)**

[Letter: Strümpell or Babinski?] Pool GM. **Ned Tijdschr Geneeskd** 120(4):172, 24 Jan 76 **(Dut)**

PHYSIOPATHOLOGY

Equivocal plantar responses: a clinical and electromyographic study. Van Giju J. **J Neurol Neurosurg Psychiatry** 39(3):275–82, Mar 76

Detrusor hyperreflexia in benign infravesical obstruction. a cystometic study. Andersen JT. **J Urol** 115(5):532–4, May 76

THERAPY

[Carotid sinus syndrome. 3 cases treated with pacemaker] Michalsen H, et al. **Tidsskr Nor Laegeforen** 95(19–21):1155–6, 1166, 10 Jul 75 (Eng. Abstr.) **(Nor)**

REFLEX, CONDITIONED see **CONDITIONING, CLASSICAL**

REFLEX, MONOSYNAPTIC

Reflex responses at the third spinal segment in brain intact toads. Negroni JA, et al. **Acta Physiol Lat Am** 24(4):346–55, 1974

Reflex recovery curves in extrapyramidal disorders. Sax DS, et al. **Adv Neurol** 14:285–96, 1976

Lateral facilitation of Hoffmann-reflexes prior to voluntary movement in a choice reaction time task. Michie PT, et al. **Appl Neurophysiol** 38(3):191–6, 1975

Letter: H reflex. Goodgold J. **Arch Phys Med Rehabil** 57(8):407, Aug 76

Absence of monosynaptic reflex in dorsal neck muscles of the cat. Abrahams VC, et al. **Brain Res** 92(1):130–1, 4 Jul 75

Modifications and development of spinal reflexes in the alert baboon (Papio papio) following an unilateral vestibular neurotomy. Lacour M, et al. **Brain Res** 113(2):255–69, 27 Aug 76

Role of muscular afferents in the inhibition of the antagonist motor nucleus during a voluntary contraction in man. Morin C, et al. **Brain Res** 103(2):373–6, 20 Feb 76

A common presynaptic locus for the synaptic changes underlying short-term habituation and sensitization of the gill-withdrawal reflex in Aplysia. Kandel ER, et al. **Cold Spring Harbor Symp Quant Biol** 40:465–82, 1975

Proceedings: Exploration of chronic polyneuritis by means of the H. reflex. Bathien N, et al. **Electroencephalogr Clin Neurophysiol** 39(5):550, Nov 75

Amygdala and masseteric reflex. I. Facilitation, inhibition and diphasic modifications of the reflex, induced by localized amygdaloid stimulation. Bobo EG, et al. **Electroencephalogr Clin Neurophysiol** 39(4):329–39, Oct 75

Amygdala and masseteric reflex. II Mechanism of the diphasic modifications of the reflex elicited from the 'defence reaction area'. Role of the spinal trigeminal nucleus (pars oralis). Bonvallet M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):341–52, Oct 75

Soleus H reflex and afferent discharges from antagonist muscles. An electrophysiological method of evaluation. Cianchetti C. **Electroencephalogr Clin Neurophysiol** 39(4):425–7, Oct 75

Extinction of the Hoffmann reflex by antidromic conduction. Gottlieb GL, et al. **Electroencephalogr Clin Neurophysiol** 41(1):19–24, Jul 76

Proceedings: The monosynaptic reflex arc and its determinants. Neurophysiological studies in animal and man. Hugon M. **Electroencephalogr Clin Neurophysiol** 39(5):549, Nov 75

Proceedings: Study of reflexes in the clinical syndromes of spinal cord transection. Lacert P, et al. **Electroencephalogr Clin Neurophysiol** 39(5):550–1, Nov 75

Proceedings: H reflex (in the soleus and quadriceps) in sciatic root lesions and femoral neuralgia. Nehlil J, et al. **Electroencephalogr Clin Neurophysiol** 39(5):551, Nov 75

Proceedings: The monosynaptic reflex and voluntary motor activity in man. Pierrot-Deseilligny E, et al. **Electroencephalogr Clin Neurophysiol** 39(5):550, Nov 75

Excitability of human motoneurones after discharge in a conditioning reflex. Pierrot-Deseilligny E, et al. **Electroencephalogr Clin Neurophysiol** 40(3):279–87, Mar 76

Audio-spinal influence in man studied by the H-reflex and its possible role on rhythmic movements synchronized to sound. Rossignol S, et al. **Electroencephalogr Clin Neurophysiol** 41(1):83–92, Jul 76

The relation between monosynaptic spinal reflex amplitudes and some EEG alpha activity parameters. van Boxtel A. **Electroencephalogr Clin Neurophysiol** 40(3):297–305, Mar 76

Influence of bladder filling and micturition on monosynaptic reflexes. Pedersen E, et al. **Electromyogr Clin Neurophysiol** 15(1):57–66, Jan-Apr 75

Ascending long spinal actions on forelimb motoneurons in the acute spinal cat. Matsumoto A, et al. **Exp Brain Res** 24(5):509–21, 15 Mar 76

Effects of skin cooling on stretch reflex activity in triceps surae of the decerebrate cat. Wolf SL, et al. **Exp Neurol** 49(1 Pt 1):22–34, Oct 75

Noninvasive techniques for the study of spinal reflexes in man. pp. 219–28. Wager EW, et al. **In: Buerger AA, Tobis JS, ed. Neurophysiologic aspects of rehabilitation medicine. Springfield, Ill., Thomas, 1976. WL 102 I615n 1974.**

Monosynaptic excitation of thoracic motoneurones from both primary and secondary spindle afferents in the anaesthetised cat. pp. 117–8. Kirkwood PA, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

Monosynaptic reflexes in the superficial forearm flexors in man and their clinical significance. Deschuytere J, et al. **J Neurol Neurosurg Psychiatry** 39(6):555–65, Jun 76

Different excitability of type 1 and type 2 alpha-motoneurons. The recruitment curve of H- and M-responses in slow and fast muscles of rabbits. Messina C, et al. **J Neurol Sci** 28(1):57–63, May 76

Responses of cats to sudden falls: an otolith-originating reflex assisting landing. Watt DG. **J Neurophysiol** 39(2):257–65, Mar 76

Neurochemical changes in the cat's spinal cord due to orthodromic tetanic stimuli. I: phospholipids. Althaus HH, et al. **J Neurosci Res** 1(3–4):243–51, 1975

Reflex activity in the masseter muscle of young individuals. I. Experimental procedure – results. Widmalm SE, et al. **J Oral Rehabil** 3(1):41–55, Jan 76

Load compensation in human masseter muscles. Lamarre Y, et al. **J Physiol (Lond)** 253(1):21–35, Dec 75

Neurochemical aspects of post-tetanic potentiation of monosynaptic reflexes in the cat spinal cord. III. Analysis of amino acids after long-term potentiation. Neuhoff V, et al. **Neurobiology** 5(5):254–61, Oct 75

Jaw and blind reflexes in trigeminal nerve lesions. An electrodiagnostic study. Goor C, et al. **Neurology (Minneap)** 26(1):95–7, Jan 76

A critical reticular site involved in the spino–bulbo–spinal reflex system. Chan SH, et al. **Pfluegers Arch** 357(3–4):313–21, 26 Jun 75

[Use of Hoffmann's reflex in the study of spasticity in children] Lehovský M, et al. **Cesk Pediatr** 30(9):405–6, Sep 75 (Eng. Abstr.) **(Cze)**

[Changes in the variability of the H reflex and the M response after static effort] Draganova N. **Agressologie** 16(3):155–9, 1975 (Eng. Abstr.) **(Fre)**

[Relationship between amplitude and latency in human monosynaptic reflexes. II. H and M responses] Macarez JA, et al. **C R Soc Biol (Paris)** 169(5):1214–9, 1975 (Eng. Abstr.) **(Fre)**

[A case of reading epilepsy: effects of attention and reading tests on EEG and 'H' reflex] Willer JC, et al. **Electroencephalogr Clin Neurophysiol** 39(4):421–4, Oct 75 (Eng. Abstr.) **(Fre)**

[Hereronymous and unidirectional thenal H-reflex in man. Neurophysiologic study] Roth G, et al. **Electromyogr Clin Neurophysiol** 15(5–6):503–21, Oct–Dec 75 **(Fre)**

[Exploration of chronic polyneuritis by the H-reflex technic] Bathien N, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):587–95, Oct–Dec 74 **(Fre)**

[Influence of cutaneous stimulations of variable intensity on the amplitude and variability of the H-reflex in normal man] Castaigne P, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):193–201, Apr–Jun 73 (Eng. Abstr.) **(Fre)**

[Significance of the Hoffmann reflex for the long-term surveillance of neuropathies] Guiheneuc P, et al. **Rev Electroencephalogr Neurophysiol Clin** 2(2):125–30, Apr–Jun 72 (Eng. Abstr.) **(Fre)**

[Monosynaptic reflex activity and its determinants. Study of animal and human neurophysiolgy] Hugon M. **Rev Electroencephalogr Neurophysiol Clin** 4(4):509–24, Oct–Dec 74 **(Fre)**

[Reflexology study of the clinical syndromes of spinal section] Lachert P, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):596–600, Oct–Dec 74 **(Fre)**

[The H-reflex of the soleus and quadriceps muscles in radicular sciatica and crural neuralgia] Nehlil J, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):607–8, Oct–Dec 74 **(Fre)**

[Monosynaptic reflex and voluntary command in man] Pierrot-Deseilligny E, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):554–68, Oct–Dec 74 **(Fre)**

[Electrophysiological observations on the behavior of monosynaptic reflexes in tonic and phasic muscles of the rabbit] Messina C, et al. **Boll Soc Ital Biol Sper** 51(24):2012–6, 30 Dec 75 **(Ita)**

[Role of interneurons in preserving trace changes in the rat spinal cord] Tikhomirova LI, et al. **Dokl Akad Nauk SSSR** 228(4):995–8, 1976 **(Rus)**

[The effect of thyroid hormones on inhibition of monosynaptic extensor reflexes] Galdina GA, et al. **Fiziol Zh SSSR** 62(4):537–42, Apr 76 (Eng. Abstr.) **(Rus)**

[The subliminal fringe of the motor neuron pool of the human soleus muscle during rest and excitation] Pshedetskaia AD, et al. **Fiziol Zh SSSR** 61(4):563–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Disturbance of vestibular control of the reflex activity of the spinal cord in experimental thyrotoxicosis] Gol'ber LM, et al. **Patol Fiziol Eksp Ter** (1):59–63, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[A change in the reflex excitability of spinal motoneurons during daytime sleep in newborn infants] Vakhrameeva IA, et al. **Zh Evol Biokhim Fiziol** 12(2):162–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[A study of the interaction between the peripheral motor neurons of muscle antagonists by the H-reflex method under normal conditions and in spastic hemiparesis] Erokhina LG, et al. **Zh Nevropatol Psikhiatr** 76(4):526–30, Apr 76 (Eng. Abstr.) **(Rus)**

[Changes in the H-reflex of children with cerebral spastic

hemiparesis] Kosheleva GG, et al.
Zh Nevropatol Psikhiatr 75(10):1452–8, 1975 (Eng. Abstr.) **(Rus)**

[A change in the excitability of human spinal motor neurons during prolonged acoustic stimulation] Shlykov VIu.
Zh Vyssh Nerv Deiat 25(3):612–4, May–June 75 **(Rus)**

[Comparative study of different electrophysiological parameters in the diabetic patient: velocity of sensory and motor conduction in the lower and upper extremities: H reflex; facial nerve latency; reflex of the eyelid oclussion and changes in the sensitivity potential evoked during 30 minutes of ischemia] Cruz Martínez A, et al.
Rev Clin Esp 138(5):445–52, 15 Sep 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Dorsal root reflex response in sympathetic nerves. Miyamoto JK. **Brain Res** 111(1):172–80, 23 Jul 76

The blockade of presynaptic and postsynaptic bulbospinal inhibition of the cat spinal monosynaptic reflex by imipramine. Sastry BS, et al. **Brain Res** 110(2):399–402, 9 Jul 76

Presynaptic inhibition of the monosynaptic reflex produced by injections of nicotine or eserine in the spinal cat. Engelhardt JK, et al. **Exp Neurol** 50(3):786–97, Mar 76

Effects of delta9–tetrahydrocannabinol on the homosynaptic depression in the spinal monosynaptic pathway: implications for transmitter dynamics in the primary afferents. pp. 383–95. Capek R, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.

The effect of clonidine on inhibitions of the segmental monosynaptic reflex. Sinclair JG.
Proc West Pharmacol Soc 18:46–50, 1975

[Study of the M–H response, of the silent period and of post–tetanic potentiation in subjects with Parkinson's disease during treatment with L–dopa or Madopar] Ferro Milone F, et al. **Riv Neurol** 45(2):236–46, Apr–Jun 75 **(Ita)**

[Vestibulo–oculomotor and trigemino–facial reflexes and H–reflex in the course of central depression produced by sodium gamma–hydroxybutyrate] Puca F, et al.
Riv Neurol 45(2):203–9, Apr–Jun 75 **(Ita)**

[Effect of ethylbenzatropine on direct motor reaction M and on monosynaptic reflex H in drug–induced muscle rigidity] Zakrzewska F. **Neurol Neurochir Pol** 10(3):295–303, May–Jun 76 (Eng. Abstr.) **(Pol)**

REFLEX, OCULOCARDIAC see under **REFLEX**

REFLEX, PSYCHOGALVANIC see **GALVANIC SKIN RESPONSE**

REFLEX, PUPILLARY

Relative afferent pupillary defect in glaucoma. Kaback MB, et al. **Am J Ophthalmol** 81(4):462–8, Apr 76

New device for measurement of ocular countertorsion reflex. Kanzaki J. **Arch Otorhinolaryngol (NY)** 211(3):213–5, 15 Jul 75

The relationship of the cochlear microphonic potential to the acquisition of a classically conditioned pupillary dilation response. Ashe JH, et al. **Behav Biol** 16(1):45–62, Jan 76

Sensory system neural activity during habituation of the pupillary orienting reflex. Weinberger NM, et al.
Behav Biol 15(3):283–301, Nov 75

Pupillary 'dilatation lag' in Horner's syndrome. Pilley SF, et al. **Br J Ophthalmol** 59(12):731–5, Dec 75

Proceedings: Pupillographic and electromyographic findings in botulism. Hagenah R, et al.
Electroencephalogr Clin Neurophysiol 39(5):532, Nov 75

Aqueductal stenosis and Parinaud's syndrome. Azar–Kia B, et al. **Ill Med J** 148(5):532–3, Nov 75

Pupillographic responses in patients with untreated strabismic amblyopia. Further investigations of the mechanism of amblyopia disturbance. pp. 69–73. Trimarchi F, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

An unusual brain stem astrocytoma producing complicated Parinaud's syndrome. Peiris JB, et al.
J Indian Med Assoc 64(12):340–1, 16 Jun 75

Skin conductance responding/nonresponding and pupiliometrics in chronic schizophrenia. A confirmation of Gruzelier and Venables. Patterson T.
J Nerv Ment Dis 163(3):200–9, Sep 76

An investigation of the correlation between abnormal patterns of ocular microtremor and an abnormal pupil reflex in neurological patients. Abakumova LY, et al.
J Neurol Sci 26(4):469–77, Dec 75

Effects of subcortical lesions on the pupillary light reflex in the rat. Legg CR. **Neuropsychologia** 13(3):373–6, Sep 75

A new photostimulator and videopupillograph for quantitative neuroophthalmological studies. Gundersen HJ.
Ophthalmologica 172(1):62–8, 1976

Skin conductance recovery and pupillometrics in chronic schizophrenia. Patterson T. **Psychophysiology** 13(3):189–95, May 76

Extraversion and pupillary response to affective and taboo words. Stelmack RM, et al. **Psychophysiology** 12(5):536–40, Sep 75

[Study of the influence of various physical parameters in the photosensitive epilepsy of Papio papio] Serbanescu T, et al. **Rev Electroencephalogr Neurophysiol Clin** 2(2):147–8, Apr–Jun 72 **(Fre)**

[Pupillographic examination of spectrum sensitivity in circumscribed retinal regions] Krastel H.
Ber Dtsch Ophthalmol Ges (73):176–81, 1975 **(Ger)**

[Objective perimetry using IR–reflexphotometric registration of indirect pupillary light reflex] Roth HJ, et al.
Ber Dtsch Ophthalmol Ges (73):303–6, 1975 (Eng. Abstr.) **(Ger)**

[Paradoxical pupillary reaction to light — a pupillographic study (author's transl)] Müller–Jensen A, et al. **J Neurol** 212(1):101–6, 23 Mar 76 (Eng. Abstr.) **(Ger)**

[Investigations on the Variability of the phasic pupillary light reflex (author's transl)] Müller–Jensen A, et al.
J Neurol 212(2):123–32, 23 Apr 76 (Eng. Abstr.) **(Ger)**

[Clinical patterns of Parinaud's syndrome (author's transl)] Leuenberger AE, et al. **Klin Monatsbl Augenheilkd** 167(4):615–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Sensory and pupillomotor sensitivity after surgical treatment of retinal detachment] Alexandridis E, et al.
Mod Probl Ophthalmol 15:300–3, 1975 **(Ger)**

[Possible applications of infrared reflexopupillography in neurology. I. Registration regulation for clinical neurological purposes] Müller–Jensen A. **Nervenarzt** 46(6):281–4, Jun 75 (21 ref.) **(Ger)**

[Parinaud's syndrome in non–tumorous hydrocephalic intracranial hypertension] Hamer J, et al.
Neuropaediatrie 7(2):217–23, May 76 (Eng. Abstr.) **(Ger)**

[Pupillographic perimetry (author's transl)] Aoyama T.
Acta Soc Ophthalmol Jpn 79(9):1247–56, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Study on the pupillary reflex of the diabetics (author's trans)] Ono A. **Acta Soc Ophthalmol Jpn** 79(9):1232–7, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Pupillographic study by open loop technique—pupillary frequency characteristics in diabetic patients—(author's transl)] Yamazaki A, et al. **Acta Soc Ophthalmol Jpn** 79(9):1238–46, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Ciliospinal reflex in man] Henriques FG, et al.
Arq Neuropsiquiatr 34(3):258–65, Sep 76 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Tables of diagnostic pupillary drug tests. Thompson HS.
Bristol Med Chir J 90(334):37–8, Apr 75

REFLEX SYMPATHETIC DYSTROPHY

Editorial: Reflex sympathetic dystrophy syndrome. **Lancet** 1(7971):1226–7, 5 Jun 76

[Algoneurodystrophic syndromes: 11 cases observed in a year] Carrozzo M, et al. **Reumatismo** 24(4):283–91, Oct–Dec 72 **(Ita)**

COMPLICATIONS

[Polycapsulitis in cardiac patients. Apropos of 2 cases] Lequesne M, et al. **Rev Rhum Mal Osteoartic** 43(1):81–4, Jan 76 **(Fre)**

DIAGNOSIS

The reflex sympathetic dystrophy syndrome. I. Clinical and histologic studies: evidence for bilaterality, response to corticosteroids and articular involvement. Kozin F, et al.
Am J Med 60(3):321–31, Mar 76

The reflex sympathetic dystrophy syndrome. II. Roentgenographic and scintigraphic evidence of bilaterality and of periarticular accentuation. Kozin F, et al. **Am J Med** 60(3):332–8, Mar 76

DRUG THERAPY

Post–traumatic neurodystrophy. Treatment by corticosteroids. Glick EN, et al. **Hand** 8(1):45–7, Feb 76

[Letter: Thyrocalcitonin in the treatment of algodystrophia] Doury P, et al. **Nouv Presse Med** 4(35):2527–8, 18 Oct 75 **(Fre)**

ETIOLOGY

Letter: Reflex sympathetic dystrophy syndrome. Bourdillon JF. **Lancet** 2(7979):257, 31 Jul 76

PHYSIOPATHOLOGY

[Tissue microcirculation in patients with reflex neurodystrophic syndromes of cervical osteochondrosis] Zaslavskiĭ ES, et al. **Zh Nevropatol Psikhiatr** 76(6):815–8, 1976 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The reflex sympathetic dystrophy syndrome. A comprehensive analysis using fine–detail radiography, photon absorptiometry, and bone and joint scintigraphy. Genant HK, et al. **Radiology** 117(1):21–32, Oct 75

THERAPY

Letter: Reflex sympathetic dystrophy syndrome. Hodgson RM. **Lancet** 1(7974):1419, 26 Jun 76

REFLEX, TENDON

Biofeedback treatment of foot drop after stroke compared with standard rehabilitation technique (part 2): effects on nerve conduction velocity and spasticity. Takebe K, et al.
Arch Phys Med Rehabil 57(1):9–11, Jan 76

A screening test for thyroid function. Goodman E.
Aust Fam Physician 5(4):550–9, 561, May 76

Measurement of a single tendon reflex in conjunction with a myogram: the second manned Skylab mission. Baker JT, et al. **Aviat Space Environ Med** 47(4):400–2, Apr 76

Why transcortical reflexes? Wiesendanger M, et al.
Can J Neurol Sci 2(3):295–301, Aug 75

Proceedings: Comparison of slow cerebral potentials evoked by sensory stimuli and by the ankle jerk in children and in adults. Laffont F, et al.
Electroencephalogr Clin Neurophysiol 39(5):551, Nov 75

Studies of the effect of Jendrassik's manoeuvre on knee jerk in comparison with co–contraction of knee muscles in spastic subjects. Arrigo A, et al.
Electromyogr Clin Neurophysiol 15(1):45–55, Jan–Apr 75

Slow electrocorticol phenomena evoked by the ankle jerk and its conditioning in subjects of various ages. Laffont F, et al. **Electromyogr Clin Neurophysiol** 15(2):139–48, Apr–Jun 75

Obesity and thyroid function. 2. The effect of prolonged caloric restriction on Achilles tendon reflex values. Vondra K, et al. **Endokrinologie** 66(3):332–6, Dec 75

Effects of fatiguing isometric exercise upon achilles tendon reflex and plantar flexion reaction time components in man. Hayes KC. **Eur J Appl Physiol** 34(2):69–79, 4 Apr 75

Functional relationships between myotatic reflex arcs of the lower limb in man: investigation by excitability curves. Delwaide PJ, et al. **J Neurol Neurosurg Psychiatry** 39(6):545–54, Jun 76

Effects of the Jendrassik manoeuvre on muscle spindle activity in man. Hagbarth KE, et al.
J Neurol Neurosurg Psychiatry 38(12):1143–53, Dec 75

Improvement in linearity and regulation of stiffness that results from actions of stretch reflex. Nichols TR, et al.
J Neurophysiol 39(1):119–42, Jan 76

Stretch reflex and servo action in a variety of human muscles. Marsden CD, et al. **J Physiol (Lond)** 259(2):531–60, Jul 76

Improved measurement of the Achilles–tendon reflex. Tuck DL. **Med Biol Eng** 12(2):170–3, Mar 74

[Achillean reflexogram in clinical psychiatry] Aubrun MW.
Ann Med Psychol (Paris) 1(1):137–47, Jan 75 **(Fre)**

[Clinical neurophysiology of tendon hyperreflexia] Delwaide PJ. **Bull Acad R Med Belg** 128(3):271–93, MAR 73 (Eng. Abstr.) **(Fre)**

[Study on correlations between certain biological parameters and the Achillean reflexogram in a homogeneous African population (author's transl)] Danon G, et al.
Bull Soc Pathol Exot 68(4):415–9, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Comparison in children and adults of slow waves provoked by sensory stimulation and by a reflex movement] Laffont F, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):601–6, Oct–Dec 74 **(Fre)**

[Achillean reflexogram : its measurement and its correlations with various clinical and biological factors in 2 working male populations] Kritsikis S, et al. **Sem Hop Paris** 51(31–34):2109–17, 10–20 Jul 75 (Eng. Abstr.) **(Fre)**

[Letter: Comments on the paper by J. Ullrich: 'The Fisher–syndrome. Symptomatology and nosology of a special form of polyradiculoneuritis' (this J., 46, 417–421 (1975))] Fötzsch R. **Nervenarzt** 47(8):525, Aug 76 **(Ger)**

[About the effect of alcohol and tiredness on the activity of tendon reflexes (author's transl)] Joachim H, et al.
Z Rechtsmed 76(3):187–210, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Origin of increased patellar reflex in monkeys with partially transected spinal cords] Aoki H, et al.
J Physiol Soc Jpn 36(8–9):268, 1 Sep 74 **(Jpn)**

[Examination of the reflexes. (Part 1). Muscle stretch reflex (author's transl)] Araki S. **Neurol Surg (Tokyo)** 4(7):619–24, Jul 76 **(Jpn)**

[Achilles tendon reflexogram in chronic ischemia of the lower limbs] Jonderko G, et al. **Pol Arch Med Wewn** 55(5):433–40, May 76 (Eng. Abstr.) **(Pol)**

[Duration of the Achilles tendon reflex in obesity] Vondra K, et al. **Klin Med (Mosk)** 52(3):79–81, Mar 74 **(Rus)**

[Method of producing the Achilles reflex] Guba GP.
Vrach Delo (2):108–11, Feb 74 (Eng. Abstr.) **(Rus)**

[Quantitative assessment, sex traits and types of chronograms of the Achilles reflex] Khodorovskiĭ GI.
Zh Nevropatol Psikhiatr 76(7):972–5, 1976 (Eng. Abstr.) **(Rus)**

[Investigation of the course of the Achilles tendon reflex and plasma levels of thyrotropic hormone in treated and untreated hypothyroid female patients (author's transl)] Trejbal D, et al. **Cas Lek Cesk** 115(10):301–2, Mar 76 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

The effect of exogenous TSH and Achilles tendon reflex time in man. Zamrazil V, et al. **Endokrinologie** 65(2):177–82, 1975

Effect of cyproheptadine of flexor reflex in frogs. Chakrabarty AS, et al. **Indian J Physiol Pharmacol** 18(4):364–5, Oct–Dec 74

Proceedings: Interference by gallamine with stretch reflexes

in human arm muscles. Cass NM, et al. **J Physiol (Lond)** 258(1):22P–23P, Jun 76

[Effect of isoprenaline and terbutaline on the Achilles reflexogram] Dry J, et al. **Therapie** 30(6):803–8, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Effect of TRH on Achilles tendon reflex] Stopczyk K. **Endokrynol Pol** 26(3):277–82, May–Jun 75 (Eng. Abstr.) **(Pol)**

REFLEXOTHERAPY

[Use of exteroreceptive reflexes in the rehabilitation of movement disorders in early childhood] Vlach V, et al. **Cesk Neurol Neurochir** 38(5):282–93, Sep 75 (Eng. Abstr.) **(Cze)**

[Primary results of the reflexotherapy in the syndrome of irritable colon. Preliminary note5 Di Cicco M, et al. **Minerva Med** 67(29):1913–7, 9 Jun 76 (Eng. Abstr.) **(Ita)**

[The physician–patient relationship in reflexo–therapeutic medicine] Quaglia–Senta A. **Minerva Med** 67(5):336–42, 31 Jan 76 **(Ita)**

HISTORY

[Minerva riflessoterapeutica] Quaglia Senta A. **Minerva Med** 67(5):327–8, 31 Jan 76 **(Ita)**

REFRACTION, OCULAR

Optical aspects of the measurement of differences in elevation or depression in the fundus oculi. Halldén U. **Acta Ophthalmol (Kbh)** 54(3):281–4, Jul 76

Letter: Improving the trial case. Lebensohn JE. **Am J Ophthalmol** 81(4):536, Apr 76

Changes in the contrast sensitivity function induced by contact lens wear. Applegate RA, et al. **Am J Optom Physiol Opt** 52(12):840–6, Dec 75

Calculating magnification differences in monocular aphakia. Cohen A. **Am J Optom Physiol Opt** 53(6):294–6, Jun 76

Changes in corneal curvature and subjective refraction of soft contact lens wearers. Grosvenor T. **Am J Optom Physiol Opt** 52(6):405–13, Jun 75

Reflections on retinoscopy. Hallak J. **Am J Optom Physiol Opt** 53(5):224–8, May 76

A theoretical analysis of off–axis streak retinoscopy. Keating MP. **Am J Optom Physiol Opt** 52(11):750–7, Nov 75

Blurred imagery and the cylinder sine–squared law. Keating MP, et al. **Am J Optom Physiol Opt** 53(2):66–9, Feb 76

Computer–assisted eye examinations IV. 'Additive' lens systems in eye refractors. Lang MM, et al. **Am J Optom Physiol Opt** 52(8):533–40, Aug 75

The endpoint of laser speckle pattern meridional refraction. Long WF, et al. **Am J Optom Physiol Opt** 52(9):582–6, Sep 75

A matrix formalism for decentration problems. Long WF. **Am J Optom Physiol Opt** 53(1):27–33, Jan 76

The measurement and recording of vision at near test distances. Mehr EB, et al. **Am J Optom Physiol Opt** 53(6):314–7, Jun 76

Corneal curvature and supplemental power effect of the Bausch and Lomb SOFLENS contact lens. Sarver MD, et al. **Am J Optom Physiol Opt** 52(7):470–3, Jul 75

The validity of the bichrome (Duochrome) test. Sivak JG. **Am J Optom Physiol Opt** 52(9):604–6, Sep 75

An analytical approximation for the modulation transfer function of the eye. Jennings JA, et al. **Br J Physiol Opt** 29(2):64–72, 1974

Studies of an automatic refraction machine. Drance SM, et al. **Can J Ophthalmol** 10(4):462–8, Oct 75

The influence of the intraocular blood content on the relative spectral sensitivity curves. Peregrin J. **Sb Ved Pr Lek Fak Karlovy Univ** 17(3):263–70, 1974

Subjective measurement of high–order aberrations of the eye. Howland B, et al. **Science** 193(4253):580–2, 13 Aug 76

Lady Luck. Milder B. **Surv Ophthalmol** 20(5):347–9, Mar–Apr 76

What is refraction? Safir A. **Surv Ophthalmol** 20(1):43–6, Jul–Aug 75

Objective measurements of the longitudinal chromatic aberration of the human eye. Charman WN, et al. **Vision Res** 16(9):999–1005, 1976

Letter: Speckle patterns in incoherent light and ocular refraction. Palmer DA. **Vision Res** 16(4):436, 1976

Optics of the eye of the 'four–eyed fish' (Anableps anableps). Sivak JG. **Vision Res** 16(5):531–4, 1976

Refractive state and visual acuity in the hooded rat. Wiesenfeld Z, et al. **Vision Res** 16(8):823–7, 1976

[Refraction curve in children of preschool age] Doležalová V. **Cesk Oftalmol** 31(4):265–7, Jul 75 (Eng. Abstr.) **(Cze)**

[Genesis of the invention of skiascopy] Masingue MP. **Bull Soc Ophtalmol Fr** 74(4):463–9, Apr 74 **(Fre)**

[Cycloplegia induced by cyclopentolate in the examination of refraction] Thomas MC, et al. **Bull Soc Ophtalmol Fr** 74(5–6):621–31, May–Jun 74 **(Fre)**

[Tests on subjective refraction determination using macular differences in sensitivity towards light] Bastian GO, et al. **Ber Dtsch Ophthalmol Ges** (73):206–9, 1975 **(Ger)**

[Testing of a new streak retinoscope with a calibrated collimator] Koch HR, et al. **Ber Dtsch Ophthalmol Ges** (73):473–9, 1975 (Eng. Abstr.) **(Ger)**

[Results with automatic refraction (author's transl)] Holtmann H, et al. **Klin Monatsbl Augenheilkd** 166(4):532–6, Apr 75 (Eng. Abstr.) **(Ger)**

[The influence of refraction on diabetic retinopathy (author's transl)] Hövener G. **Klin Monatsbl Augenheilkd** 167(5):733–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Experiences with the automatic refractor 'Dioptron' (author's transl)] Rassow B. **Klin Monatsbl Augenheilkd** 167(3):474–5, Sep 75 (Eng. Abstr.) **(Ger)**

[An eye–model to show fundamental optical properties as related to refraction and glasses–testing (author's transl)] Ucke C. **Klin Monatsbl Augenheilkd** 167(1):137–41, Jul 75 **(Ger)**

REFRACTIVE ERRORS

The influence of age on the chronatic aberration of the eye. Millodot M. **Albrecht von Graefes Arch Klin Ophthalmol** 198(3):235–43, 3 Mar 76

The chromatic aberration of the eye between wavelengths 200 nm and 2000 nm: some theoretical considerations. Tucker J. **Br J Physiol Opt** 29(3):118–25, 1974

COMPLICATIONS

Role of refractive anomalies among squint patients seen at 'Giza clinic of squint' from the year 1960 –1970. Zaki HA. **Bull Ophthalmol Soc Egypt** 68:463–5, 1975

Headaches in relation to the eyes. Cameron ME. **Med J Aust** 1(10):292–4, 6 Mar 76

[Evaluation of refraction errors in squinting children] Buchta–Demelowa B. **Klin Oczna** 46(7):845–7, Jul 76 (Eng. Abstr.) **(Pol)**

[Eye refraction in children with congenital anomalies of bite conditioned by the deformation of the alveolar maxillary arc] Manna F, et al. **Klin Oczna** 46(4):407–10, 1976 (Eng. Abstr.) **(Pol)**

[Significance of accommodation spasm in the pathogenesis of mixed astigmatism and its correction in the presence of anisometropia] Adigezanova–Polchaeva KA, et al. **Oftalmol Zh** 30(6):437–40, 1975 (Eng. Abstr.) **(Rus)**

[Diabetic retinopathy and refraction] Margolis MG, et al. **Oftalmol Zh** 30(8):596–8, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Laser meridional refractometry. Haine C, et al. **Am J Optom Physiol Opt** 53(4):194–204, Apr 76

Anisotropies and scotomas of binocular disparity detectors in humans. pp. 17–23. Julesz B. **In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.**

[Results with automatic refraction (author's transl)] Holtmann H, et al. **Klin Monatsbl Augenheilkd** 166(4):532–6, Apr 75 (Eng. Abstr.) **(Ger)**

[Experiences with the automatic refractor 'Dioptron' (author's transl)] Rassow B. **Klin Monatsbl Augenheilkd** 167(3):474–5, Sep 75 (Eng. Abstr.) **(Ger)**

[Results of ophthalmologic studies in all nursery schools of an agrarian region] Kühn A. **Z Aerztl Fortbild (Jena)** 69(5):255, 1 Mar 75 **(Ger)**

[Results of an ophthalmological serial study in 626 2 year old children] Wild H, et al. **Z Aerztl Fortbild (Jena)** 69(5):252–4, 1 Mar 75 **(Ger)**

[Health education campaign conducted among Air Force personnel in relation to visual refraction defects] Ruggieri G, et al. **Minerva Med** 67(24):1567–75, 12 May 76 (Eng. Abstr.) **(Ita)**

[Value of performing visual acuity examinations in children of preschool age] Jakubowska–Pakulowa D, et al. **Klin Oczna** 46(3):297–300, Mar 76 (Eng. Abstr.) **(Pol)**

[Ultrasonographic ocular biometry in children with emmetropia and refraction errors] Szreterowa M. **Klin Oczna** 46(7):835–44, Jul 76 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Evaluation of cycloplegic drugs based on results of refractometry] Wolter–Czerwińska H, et al. **Klin Oczna** 46(1):35–40, Jan 76 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Comparative changes in the error of refraction between fixing and amblyopic eyes during growth and development. Lepard CW. **Am J Ophthalmol** 80(3 Pt 2):485–90, Sep 75

Relationship of serum glucose concentration to changes in refraction. Gwinup G, et al. **Diabetes** 25(1):29–31, Jan 76

The induction of refractive errors by retinal detachment surgery. Rubin ML. **Trans Am Ophthalmol Soc** 73:452–90, 1976

[Diabetes mellitus and clinical refraction (literature survey)] Margolis MG, et al. **Oftalmol Zh** 30(6):413–5, 1975 (40 ref.) **(Rus)**

FAMILIAL & GENETIC

Defective accommodation in members of one family with an account of an apparatus for recording electrical potential changes. Hibbert FG, et al. **Trans Ophthalmol Soc UK** 95(4):455–61, 1975

OCCURRENCE

The refractive status of Zuni Indian children. Heard T, et al. **Am J Optom Physiol Opt** 53(3):120–3, Mar 76

Vision analysis and refractive status of youths in a juvenile detention home population. Wong S. **Am J Optom Physiol Opt** 53(3):112–9, Mar 76

O.A.B. blood groups and errors of refraction. Osman ZM, et al. **Bull Ophthalmol Soc Egypt** 67:357–62, 1974

PHYSIOPATHOLOGY

Variations in refractive change induced by Cyclogyl upon children with differing degrees of ametropia. Shultz L. **Am J Optom Physiol Opt** 52(7):482–4, Jul 75

A study into the effect of chromatic aberration in the human eye on colour perception. Cobb SR. **Br J Physiol Opt** 29(3):109–17, 1974

Study of corneal power and diameter in simple refractive error. Ganguli D, et al. **Indian J Ophthalmol** 23(1):6–11, Apr 75

Subjective measurement of high–order aberrations of the eye. Howland B, et al. **Science** 193(4253):580–2, 13 Aug 76

Effect of dioptrics on peripheral visual acuity. Millodot M, et al. **Vision Res** 15(12):1357–62, Dec 75

REHABILITATION

Analytical aids for determining induced vertical prism imbalances in anisometropia. Fischer LG. **Am J Optom Physiol Opt** 53(5):249–58, May 76

High power lens with a measurement water cell. Gilman BG, et al. **Am J Optom Physiol Opt** 53(3):149–53, Mar 76

Apical bearing and success with the Bausch and Lomb Soflens (polymacon) contact lens. Olson MD, et al. **Am J Optom Physiol Opt** 53(4):173–6, Apr 76

Computerized analysis of the image quality of the human eye with optical aids. Rosenblum WM, et al. **Am J Optom Physiol Opt** 52(8):561–6, Aug 75

Correcting high anisometropia: two case reports. Thal LS, et al. **Am J Optom Physiol Opt** 53(2):85–7, Feb 76

SURGERY

The surgical correction of refractive errors by keratomileusis and keratophakia. Ainslie D. **Ann Ophthalmol** 8(3):349–67, Mar 76

THERAPY

[Indications for contact lens correction in persons with poor vision in the Krasnoyarsk region] Solov'ev VV. **Oftalmol Zh** 30(5):350–2, 1975 (Eng. Abstr.) **(Rus)**

REFRACTORY PERIOD, NEUROLOGIC see under **NEURAL CONDUCTION**

REFRACTORY PERIOD, PSYCHOLOGIC see under **REACTION TIME**

REFRIGERATION

see related

HYPOTHERMIA, INDUCED

The endothelial function of donor corneas: effects of delayed enucleation and refrigeration. Breslin CW, et al. **Am J Med Sci** 272(1):732–9, Jul–Aug 76

Glucose concentrations and glycogen levels in the aqueous humor of fresh and refrigereated bovine eyes. Andrews JS. **Am J Ophthalmol** 82(1):97–101, Jul 76

Forty–eight–hour kidney preservation. A comparison of flushing and ice storage with perfusion. Halasz NA, et al. **Arch Surg** 111(2):175–7, Feb 76

Specific cleavage of Sendai virus nucleocapsid protein subunits during virus storage. Popa LM, et al. **Arch Virol** 48(4):289–95, 1975

Biohazard potential: recovery of infectious virus from the liquid nitrogen of a virus repository. Schaffer TW, et al. **Health Lab Sci** 13(1):23–4, Jan 76

Microbial spoilage of fresh refrigerated beef liver. Shelef LA. **J Appl Bacteriol** 39(3):273–80, Dec 75

Letter: Thermoactinomyces in refrigerators. Becker B. **JAMA** 236(4):344, 26 Jul 76

Retention of albino and brown phenotypes of Histoplasma capsulatum by liquid nitrogren refrigeration. Butterfield W, et al. **Sabouraudia** 13(3):291–4, Nov 75

[Morphological and cytochemical aspects of the canine kidney preserved in an artificial 'cytoplasmic' solution under hypothermic conditions] Cotutiu C, et al. **Rev Chir [Chir]** 23(8):707–19, Sep–Oct 74 (Eng. Abstr.) **(Rum)**

INSTRUMENTATION

[New diagrams for quick calculation of refrigerating machines (author's transl)] Palla L, et al. **Ann Ist Super Sanita** 10(3–4):250–67, 1974 (Eng. Abstr.) **(Ita)**

METHODS

Evaluation of Sacks solution for hypothermic preservation of kidneys. Welch LT, et al. **Urology** 6(5):559–61, Nov 75

STANDARDS

[Reliability of N.M.R. employed in evaluating refrigerating mixtures organic solvents R 22 (Author's transl)] Catena G, et al. **Ann Ist Super Sanita** 10(3–4):134–46, 1974 (Eng. Abstr.) **(Ita)**

REFSUM'S SYNDROME

DIAGNOSIS

[Refsum's disease: clinical or biological diagnosis? Discussion of 2 clinical cases] Facciolla D, et al. **Acta Neurol (Napoli)** 30(6):569–75, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

REFUGEES

Editorial: Operation baby lift. **Br Med J** 1(6002):112, 17 Jan 76

Health problems of Vietnamese refugee children. **J Iowa Med Soc** 65(12):508–10, Dec 75

Intestinal parasites among Indochinese refugees. **J Iowa Med Soc** 66(1):8, 23, Jan 76

Debriefing as primary prevention in unusual life events: operation babylift. Leavitt M. **J Psychiatr Nurs** 14(9):9–19, Sep 76

Orphan airlift. Enteric pathogens isolated from Vietnamese children immigrating to the United States. Goldsmith R, et al. **JAMA** 235(19):2114–6, 10 May 76

Editorial: Problems of Vietnamese orphans. **Med J Aust** 2(21):787–8, 22 Nov 75

Vietnamese evacuee camp: a learning environment. Tsuda S. **Nurs Outlook** 23(9):562–5, Sep 75

Pneumocystis carinii pneumonia in two Vietnamese refugee infants. Giebink GS, et al. **Pediatrics** 58(1):115–8, Jul 76

Resettling Vietnam refugees. Svahn J. **Soc Rehabil Rec** 2(6):24–7, Jul–Aug 75

REFUSE DISPOSAL

Microbiology of municipal solid waste composting. Finstein MS, et al. **Adv Appl Microbiol** 19:113–51, 1975 (132 ref.)

A preliminary study of hazards to toxic waste disposal operators on ten landfill sites in Britain. Keen RC, et al. **Ann Occup Hyg** 18(3):213–28, Dec 75

Fibrous material in feedlot waste fermented by Trichoderma viride. Kaneshiro T, et al. **Appl Microbiol** 30(5):876–8, Nov 75

Studies on the survival and fate of enteroviruses in an experimental model of a municipal solid waste landfill and leachate. Sobsey MD, et al. **Appl Microbiol** 30(4):565–74, Oct 75

Identification and flagellation of coryneform bacteria from poultry litter. Antheunisse J, et al. **Can J Microbiol** 21(11):1798–802, Nov 75

Sanitary effects of urban garbage and night soil composting. **Chin Med J [Engl]** 1(6):407–12, Nov 75

Disposal of infectious wastes. Hnatko S. **Dimens Health Serv** 52(12):42–3, Dec 75

Development of the solid waste resource. Klumb DL, et al. **Environ Lett** 9(4):379–94, 1975

The Glasgow dust cart drivers' strike. Wilson TS. **Health Bull (Edinb)** 33(6):249–54, Nov 75

Incineration of animal radioactive waste: a comparative cost analysis. Gregory WD, et al. **Health Phys** 29(3):389–92, Sep 75

An improved receptacle for radioactive waste. Port EA. **Health Phys** 29(5):801–2, Nov 75

Notes on the disposal of toxic solid wastes. pp. 23–4. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Defining the spread of groundwater contamination below a waste tip. pp. 215–41. Exler HJ. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Pollution prevention at two refuse tips. pp. 242–4. Swales GM, et al. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Community attitudes and perception of waste management problems at Resolute, Northwest Territories. pp. 635–42. Tester FJ. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Solid waste, air pollution and health. Kupchik GJ, et al. **J Air Pollut Control Assoc** 26(2):116–8, Feb 76

A comprehensive overview of university waste control. Rosenhaft ME, et al. **J Am Coll Health Assoc** 23(5):333–9, Jun 75

Ensiled diet containing processed municipal garbage and sorghum forage for heifers. Johnson JC Jr, et al. **J Dairy Sci** 58(11):1672–6, Nov 75

Identification and characterization of a cellulolytic isolate. Kaufmann A, et al. **J Gen Microbiol** 94(2):405–8, Jun 76

Solid wastes and water quality. Heidman JA. **J Water Pollut Control Fed** 47(6):1493–8, Jun 75 (35 ref.)

Medicolegal implications of refuse dumping and treatment. Timperman J, et al. **Med Sci Law** 16(3):208–11, Jul 76

Safe disposal of contaminated 'sharps' in the community. Dulson HM. **Nurs Times** 72(34):38–9, 26 Aug 76

Municipal waste disposal—how do we get the best results from resources available? (b) the value of information services. Lund MA, et al. **R Soc Health J** 95(5):239–43, Oct 75

Municipal waste disposal—how do we get the best results from resources available? (a) manpower and finance. Skitt J. **R Soc Health J** 95(5):235–8, Oct 75

[Waste disposal] Wagenknecht P. **Schriftenr Ver Wasser Boden Lufthyg** (45):149–55, 1975 **(Ger)**

[Selection of dump sizes] Ramin E. **Z Gesamte Hyg** 21(3):214–6, Mar 75 (Eng. Abstr.) **(Ger)**

[Work safety in incinerator plants] Knop W. **Zentralbl Arbeitsmed** 25(1):15–9, Jan 75 **(Ger)**

[Manual of safety methods for the storage, transport and destruction/recuperation of organomercurial products and mercury contaminated waste. World Health Organization] **Rev Sanid Hig Publica (Madr)** 48(11):1067–73, Nov 74 **(Spa)**

METHODS

incineration system for controlling noxious odors in a layer house. Kachru RP. **Environ Res** 9(3):342–8, Jun 75

A method for the disposal of liquid scintillation vials. Twite GM. **Health Phys** 30(6):499, Jun 76

Possible objectives of refuse tip design. pp. 246–8. Cole JA. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

[Problems of refuse disposal in the medical establishments] Grossmann G, et al. **Z Aerztl Fortbild (Jena)** 69(23):1229–32, 1 Dec 75 **(Ger)**

[The destruction of pathogenic and non-pathogenic spore-formers through heat sterilization of slaughterhouse waste] Riedinger O, et al. **Zentralbl Veterinaermed [B]** 22(10):860–5, Dec 75 (Eng. Abstr.) **(Ger)**

REGENERATION

Suppression and regeneration of rat bone marrow under the influence of methotrexate. An EM study. Ferguson RJ, et al. **Acta Anat (Basel)** 92(4):481–512, 1975

Cytochrome oxidase and ascorbic acid in the normal and regenerating tail of the scincid lizard, Mabuya carinata. A histophysiological study. Ramachandran AV, et al. **Acta Anat (Basel)** 93(3):411–20, 1975

Effect of mechanical means on the restoration of the limb regenerative ability in metamorphic stages of Bufo regularis Reuss. Michael MI, et al. **Acta Biol Acad Sci Hung** 26(1–2):15–21, 1975

Positional information in the amphibian limb. Faber J. **Acta Biotheor [A] (Leiden)** 25(1):44–65, 1976

The origin of limb regenerates from cartilage grafts. Maden M, et al. **Acta Embryol Exp (Palermo)** (2):77–86, 1975

Demonstration of an inverse relationship between regenerative capacity and oncogenesis in the adult frog, Rana pipiens. Outzen HC, et al. **Adv Exp Med Biol** 64:383–6, 1975

Light and electron microscopic study of the degeneration and early regeneration of olfactory epithelium in the mouse. Matulionis DH. **Am J Anat** 145(1):79–99, Jan 76

Kinetics of epidermal production during epidermal regeneration following abrasion in mice. Argyris T. **Am J Pathol** 83(2):329–40, May 76

The repopulation of lymph nodes of dogs after 1200 R whole-body x-irradiation and intravenous administration of mononuclear blood leukocytes. Nelson B, et al. **Am J Pathol** 84(2):259–82, Aug 76

A preliminary report on regenerative healing in the equine tendon. Norrie RD. **Am J Vet Res** 36(10):1523–4, Oct 75

Regeneration of rat tracheal epithelium after mechanical injury. II. Restoration of surface integrity during the early hours after injury. Gordon RE, et al. **Am Rev Respir Dis** 113(6):799–807, Jun 76

Morphogenesis of the carpal elements in the regenerating forelimb of adult Notophthalmus viridescens viridescens. Benzo MM, et al. **Anat Rec** 183(3):421–9, Nov 75

Regneration in free grafts of normal and denervated muscles in the rat: morphology and histochemistry. Carlson BM, et al. **Anat Rec** 183(1):47–62, Sep 75

Changes in macromolecular orientation on collagen fibers during the process of tendon repair in the rat. Luiza M, et al. **Ann Histochim** 20(2):145–52, Apr–Jun 75

Lens refilling and regrowth of lens substance in the rabbit eye. Kessler J. **Ann Ophthalmol** 7(8):1059–62, Aug 75

Chemical and structural differences in mycelial and regeneration walls of trichoderma viride. Benítez T, et al. **Arch Microbiol** 105(3):277–82, 7 Nov 75

Cell wall enzymatic lysis of the yeast form of Pullularia pullulans and wall regeneration by protoplasts. Ramos S, et al. **Arch Microbiol** 104(3):271–7, 28 Aug 75

Regeneration in Duchenne muscular dystrophy. Electromyographic evidence. Desmedt JE, et al. **Arch Neurol** 33(9):642–50, Sep 76

[Regeneration of corneal endothelium in the rabbit: microscopic study and relation with corneal thickness] Hirsch M, et al. **Arch Ophtalmol (Paris)** 35(3):269–78, Mar 75

Immunological comparison of normal, regenerating, and cultured corneal cells. Manski W. **Arch Ophtalmol (Paris)** 35(2):167–80, Feb 75

Cell renewal in the eustachian tube epithelium of guinea pigs. Watanuki K, et al. **Arch Otorhinolaryngol (NY)** 211(1):65–8, 30 Oct 75

Pectin synthesis during the wall regeneration of plasmolysed tobacco leaf cells. Boffey SA, et al. **Biochem J** 150(3):433–40, Sep 75

Interactions between molting and regeneration in the land crab. Holland CA, et al. **Biol Bull** 150(2):222–40, Apr 76

Effects of environmental factors on regeneration and molting in fiddler crabs. Weis JS. **Biol Bull** 150(1):152–62, Feb 76

Limitation of splenic growth as studied by heterotopic splenic implants. Tavassoli M. **Blood** 46(4):631–5, Oct 75

Electron microscopic and cytochemical study of the vacuoles of regenerating renal tubular cells. Ormos J, et al. **Br J Exp Pathol** 56(5):477–83, Oct 75

Regeneration of intact spleen in a heterotropic site in splenectomized mice. Warner TF, et al. **Br J Haematol** 31(3):405–9, Nov 75

The capacity of pig articular cartilage in organ culture to regenerate after breakdown induced by complement-sufficient antiserum to pig erythrocytes. Fell HB, et al. **Calcif Tissue Res** 20(1):3–21, 13 Apr 76

Fate of 3H-thymidine labelled myogenic cells in regeneration of muscle isografts. Gutmann E, et al. **Cell Tissue Res** 167(1):117–23, 5 Mar 76

Physiological properties of nerve-muscle junctions developing in vivo. Dennis MJ, et al. **Cold Spring Harbor Symp Quant Biol** 40:435–42, 1975

Studies on pteridines during tail regeneration in Amphibia. Kokolis N. **Comp Biochem Physiol [B]** 54(2):285–7, 1976

Regenerative techniques in periodontal therapy. Sullivan HC, et al. **Dent Clin North Am** 20(1):131–53, Jan 76

Lizard myogenesis in vitro: a time-laps.. and scanning electron microscopic study. Bayne EK, et al. **Dev Biol** 47(2):237–56, Dec 75

Supernumerary limgs in amphibians: experimental production in Notophthalmus viridescens and a new interpretation of their formation. Bryant SV, et al. **Dev Biol** 50(1):212–34, May 76

Multiple regeneration from axolotl limb stumps bearing cross-transplanted minced muscle regenerates. Carlson BM. **Dev Biol** 45(1):203–8, Jul 75

The effects of rotation and positional change of stump tissues upon morphogenesis of the regenerating axolotl limb. Carlson BM. **Dev Biol** 47(2):269–91, Dec 75

An autoradiographic study of the origin of intestinal blastemal cells in the newt, Notophthalmus viridescens. Grubb RB. **Dev Biol** 47(1):185–95, Nov 75

Regeneration of a tonic avian muscle: transformation to a twitch morphology. Hikida RS. **Dev Biol** 48(1):67–79, Jan 76

Cell type conversion and galactosyltransferase in lens regeneration. Idoyaga-Vargas V, et al. **Dev Biol** 49(2):563–8, Apr 76

The regenerative response of single mature muscle fibers isolated in vitro. Konigsberg UR, et al. **Dev Biol** 45(2):260–75, Aug 75

Collagen metabolism in the regenerating forelimb of Notophthalmus viridescens: synthesis, accumulation, and maturation. Mailman ML, et al. **Dev Biol** 50(2):378–94, Jun 76

Denervation effects on aspartate carbamyl transferase, thymidine kinase, and uridine kinase activities in newt regenerates. Manson J, et al. **Dev Biol** 50(1):109–21, May 76

The transformational potential of striated muscle in hydromedusae. Schmid V. **Dev Biol** 49(2):508–17, Apr 76

Intercalary leg regeneration in the large milkweed bug Oncopeltus fasciatus. Shaw VK, et al. **Dev Biol** 45(1):187–91, Jul 75

Supernumerary regeneration in the large milkweed bug Oncopeltus fasciatus. Shaw VK, et al. **Dev Biol** 45(2):221–30, Aug 75

Regulation after proximal or distal transposition of limb regeneration blastemas and determination of the proximal boundary of the regenerate. Stocum DL. **Dev Biol** 45(1):112–36, Jul 75

Localization of 5'-ribonucleotide phosphohydrolase in regenerating (and normal) limb tissues of the adult newt Notophthalmus viridescens. Schmidt AJ, et al. **Differentiation** 3(1–3):29–42, 11 Aug 75

Outgrowth and pattern formation during limb ontogeny and regeneration. Stocum DL. **Differentiation** 3(1–3):167–82, 11 Aug 75

The roles of injury, nerves, and the wound epidermis during the initiation of amphibian limb regeneration. Tassava RA, et al. **Differentiation** 4(1):23–4, 2 Sep 75

Permeability of regenerated corneal epithelium. Thoft RA, et al. **Exp Eye Res** 21(5):409–16, Nov 75

Transplantation of the anterior latissimus dorsi muscle in normal and dystrophic chickens. Ashmore CR, et al. **Exp Neurol** 50(2):312–8, Feb 76

Contractile and histochemical properties of sliced muscle grafts regenerating in normal and denervated rat limbs. Carlson BM, et al. **Exp Neurol** 50(2):319–29, Feb 76

Regeneration in vitro of previously frozen adult mouse and human striated muscle coupled with fetal spinal cord. Liveson JA, et al. **Exp Neurol** 48(3 Pt 1):624–36, Sep 75

Glycolysis in skeletal muscle regeneration Wagner KR, et al. **Exp Neurol** 52(1):40–8, Jul 76

Regeneration in haploid tissue in Rana pipiens embryos. Pogany GC, et al. **Experientia** 32(2):233–4, 15 Feb 76

The contribution of Emil Godlewski to studies on vertebrate regeneration. Singer M. **Folia Biol (Krakow)** 23(3):199–202, 1975

Cancer-related aspects of regeneration research: a review. Donaldson DJ, et al. **Growth** 39(4):475–96, Dec 75 (81 ref.)

On the non-hormonal control of the termination of regeneration. Moment GB. **Growth** 39(2):233–40, Jun 75

Histochemical aspects of regenerating myofibers before and after reinnervation. pp. 330–6. Reznik M. **In: Bradley, WG, et al., ed. Recent advances in myology.**

Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

The re-epithelization of the endometrium after menstrual desquamation. pp. 351-8. Ludwig H, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Endothelial regeneration in cornea: a comparative study in rabbit and cat. pp. 285-90, 366. Van Horn DL, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Cytological aspects of membrane regeneration after experimental injury of Amebae and acellular slime molds. pp. 205-16. Olfers-Weber R, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Epithelial regeneration of transposed intestine after high doses of X-irradiation. De Both NJ, et al.
Int J Radiat Biol 29(1):17-26, Jan 76

Physiological function of regenerating endothelium. Khodadoust AA, et al. **Invest Ophthalmol** 15(2):96-101, Feb 76

Synovial regeneration and articular cartilage changes after synovectomy in normal and steroid-treated rabbits. Bentley G, et al. **J Bone Joint Surg [Br]** 57(4):454-62, Nov 75

The cell cycle during amphibian limb regeneration. Wallace H, et al. **J Cell Sci** 20(3):539-47, May 76

Regeneration of Müller and Mauthner axons after spinal transection in larval lampreys. Rovainen CM.
J Comp Neurol 168(4):545-54, 15 Aug 76

Regeneration of amputated limb-buds in early rat embryos. Deuchar E. **J Embryol Exp Morphol** 35(2):345-54, Apr 76

Leg regeneration in the cockroach, Blatella germanica. II. Regeneration from a non-congruent tibial graft/host junction. French V. **J Embryol Exp Morphol** 35(2):267-301, Apr 76

In vitro studies of limb regeneration in adult Diemictylus viridescens: neural dependence of blastema cells for growth and differentiation. Globus M, et al.
J Embryol Exp Morphol 33(4):813-29, Jul 75

Differentiation in vitro of innervated tail regenerates in larval Ambystoma. Globus M, et al. **J Embryol Exp Morphol** 33(4):803-12, Jul 75

Cell cycle parameters in dedifferentiating iris epithelial cells. Yamada T, et al. **J Embryol Exp Morphol** 34(2):497-510, Oct 75

Interrelationships of pituitary and plasma corticotrophin and plasma corticosterone during adrenocortical regeneration in the rat. Buckingham JC, et al. **J Endocrinol** 67(3):411-17, Dec 75

Regenerative abnormalities in Notophthalmus viridescens induced by repeated amputations. Dearlove GE, et al.
J Exp Zool 196(2):251-62, May 76

Regeneration from different levels along the tail of the newt, Notophthalmus viridescens. Iten LE, et al. **J Exp Zool** 196(3):293-306, Jun 76

Effect of limb regeneration on size increase at molt of the shore crabs Hemigrapsus oregonensis and Pachygrapsus crassipes. Kuris AM, et al. **J Exp Zool** 193(3):353-60, Sep 75

Effects on adult newt limb regeneration of partial and complete skin flaps over the amputation surface. Mescher AL. **J Exp Zool** 195(1):117-28, Jan 76

Mitotic activity and nucleic acid precursor incorporation in denervated and innervated limb stumps of axolotl larvae. Tassava RA, et al. **J Exp Zool** 195(2):253-62, Feb 76

Limb regeneration and apolysis in the tick, Ornithodoros tartakovskyi. Rockett CL. **J Insect Physiol** 21(12):1939-44, Dec 75

Erythroid and myeloid regeneration after nitrogen mustard therapy, autologous bone marrow transplantation, and treatment with an anabolic steroid. Ambrus JL, et al.
J Med 7(1):47-62, 1976

Assay of cyclic 3'-5'-monophosphate in the regenerating forelimb of the newt, Triturus. Jabaily J, et al.
J Morphol 147(4):379-83, Dec 75

Gold tracer studies of muscle regeneration. Yarom R, et al.
J Neuropathol Exp Neurol 35(4):445-57, Jul 76

Tongue muscle regeneration, Gold marker studies following cold injury. Yarom R, et al. **J Oral Pathol** 5(4):217-28, Jul 76

Skeletal muscle fiber regeneration following heterotopic autotransplantation in cats. Faulkner JA, et al. **Life Sci** 19(2):289-95, 15 Jul 76

Regeneration and transplantation of muscles in old rats and between young and old rats. Gutmann E, et al.
Life Sci 18(1):109-14, 1 Jan 76

On the regeneration of aortic endothelium at different ages. Kunz J, et al. **Mech Ageing Dev** 4(5-6):361-9, Sep-Dec 75

Histogenesis and morphogenesis in planarian regeneration. Chandebois R. **Monogr Dev Biol** 11:1-182, 1976 (352 ref.)

Growth of algal symbionts in regenerating hydra. Pardy RL, et al. **Nature** 260(5554):809-10, 29 Apr 76

Letter: Muscle regeneration in dystrophic mice. Parsons R.
Nature 259(5539):158, 15 Jan 76

Nerves and angiogenesis in amphibian limb regeneration. Smith AR, et al. **Nature** 257(5523):224-5, 18 Sep 75

Symptoms and causation of the planarian disease related to cancer. Chandebois R. **Oncology** 32(2):86-100, 1975

A new approach to testing the effect of ultrasound on tissue growth and differentiation. Pizzarello DJ, et al.
Oncology 31(3-4):226-32, 1975

Different changes in contractile and histochemical properties of reinnervated and regenerated slow soleus muscles of the guinea-pig. Gutmann E, et al. **Pfluegers Arch** 364(2):191-4, 30 Jul 76

Time course of regeneration of minced frog muscles estimated by the level of energetic substrates. Plaghki L, et al. **Pfluegers Arch** 361(2):135-43, 30 Jan 76

Elastogenesis in healing wounds in bats. Bhangoo KS, et al.
Plast Reconstr Surg 57(4):468-79, Apr 76

A method for studying endothelial regeneration in small vessels. Milward T, et al. **Plast Reconstr Surg** 58(4):490-4, Oct 76

Histological studies on the regeneration of small-intestine epithelium of rats irradiated with sublethal doses of X rays. Lewicki Z, et al. **Pol Med Sci Hist Bull** 15(5-6):539-49, Sep-Dec 75

Resistance of W/Fu rats to adrenal regeneration hypertension. Molteni A, et al. **Proc Soc Exp Biol Med** 150(1):80-4, Oct 75

Thymic regeneration in lethally x-irradiated mice. Sharp JG, et al. **Radiat Res** 64(2):293-305, Nov 75

Reappearance of embryonal antigens in planarian regenerates. Guimarães JP, et al. **Rev Bras Pesqui Med Biol** 8(3-4):255-9, May-Aug 75

The influence of trauma on the growing septal cartilage. Pirsig W, et al. **Rhinology** 13(1):39-46, Jun 75

Collagen sponge as a matrix for articular cartilage regeneration. Holmes M, et al. **Surg Forum** 26:511-3, 1975

Growing small-bowel mucosa: an experimental approach to the short-bowel syndrome. Norton LW, et al.
Surg Forum 26:391-2, 1975

The fine structure of epidermal glands of regenerating and mature globiferous pedicellariae of a sea urchin (Lytechinus pictus). Holland LZ, et al. **Tissue Cell** 7(4):723-37, 1975

Neuronal sprouting after hippocampal lesions. Lynch G.
UCLA Forum Med Sci (18):93-9, 1975

Skeletal muscle regeneration in myopathic hamsters of strain BIO 8262. Mohr W, et al.
Virchows Archiv [Cell Pathol] (1):67-77, 21

Regeneration of proximal and distal body part in hydra exposed to ultraviolet light (2535 angstroms). Znidarič D, et al. **Z Mikrosk Anat Forsch** 88(4):637-48, 1974

[Collagenous fibrilliogenesis in the damaged arterial intima] Iurukova Ts, et al. **Eksp Med Morfol** 15(1):26-34, 1976 (Eng. Abstr.) **(Bul)**

[Vascular regeneration of rabbit femoral bone marrow after curettage (author's transl)] Sick H, et al.
Arch Anat Histol Embryol (Strasb) 57(2):229-46, 1974 **(Fre)**

[Histological and cytological study of neoblasts and fixed parenchymal cells in Dendrocoelum lacteum planarians deprived of their anterior region] Stéphan-Dubois F, et al. **Arch Anat Microsc Morphol Exp** 64(1):75-89, Jan-Mar 75 (Eng. Abstr.) **(Fre)**

[Cytochemical analysis of muscle cell histones of Triturus cristatus limbs a) in normal regeneration, b) in regeneration arrested by r-irradiation, and c) in regeneration restored by implants] Desselle JC. **C R Acad Sci [D] (Paris)** 282(3):301-4, 19 Jan 76 (Eng. Abstr.) **(Fre)**

[Demonstration of 2 phases in RNA synthesis during regeneration of planarian (Polycelis tenuis-nigra)] Martelly I, et al. **C R Acad Sci [D] (Paris)** 282(20):1805-8, 24 May 76 (Eng. Abstr.) **(Fre)**

[Action of broken fractions of regeneration blastema on the synthetic activity of posterior fragments or Dendrocelum lacteum cut behind the pharynx] Sauzin-Monnot MJ.
C R Acad Sci [D] (Paris) 282(21):1885-8, 31 May 76 (Eng. Abstr.) **(Fre)**

[Caudal regeneration in Nicodrilus giardi (Ribaucourt) (Oligocheta, Lumbricidae): worms amputated at the end of summer diapause] Song MJ, et al.
C R Acad Sci [D] (Paris) 282(4):389-91, 26 Jan 76 (Eng. Abstr.) **(Fre)**

[Role of the nervous system during the regeneration of an arm in a starfish: Asterina gibbosa Penn. (Echinodermata, Asteriidae)] Huet M. **J Embryol Exp Morphol** 33(3):535-52, Jun 75 (Eng. Abstr.) **(Fre)**

[Damage and regeneration of the skeletal muscles in the presence of foreign bodies] Korényi-Both A, et al.
Acta Chir Acad Sci Hung 16(3):259-69, 1975 (Eng. Abstr.) **(Ger)**

[Significance of the bone marrow stroma for regeneration after aplasia] Haas RJ. **Haematol Bluttransfus** 16:27-40, 1975 **(Ger)**

[Senescence in cell renewal systems (author's transl)] Fliedner TM, et al. **Verh Dtsch Ges Pathol** 59:71-7, 1975 (Eng. Abstr.) **(Ger)**

[Regeneration of the synovia (author's transl)] Schulitz KP.
Z Orthop 114(2):161-76, Apr 76 (Eng. Abstr.) **(Ger)**

[Histochemistry findings in the regeneration of articular cartilage] Tanaka H. **Z Orthop** 113(4):740-1, Aug 75 **(Ger)**

[Viewpoints and studies on epithelial regeneration in the cervix uteri] Link M. **Zentralbl Gynaekol** 97(8):456-62, 1975 (Eng. Abstr.) **(Ger)**

[Preliminary findings on some effects of a punctiform magnetic field on regeneration in Dugesia lugubris] Tei S. **Boll Soc Ital Biol Sper** 51(6):324-8, 30 Mar 75 **(Ita)**

[Histological studies of repairing processes after xenon photocoagulation in the monkey retina. 2. Electron microscopic studies on cellular responces in the late repairing stage (author's transl)] Ishikawa Y.
Acta Soc Ophthalmol Jpn 79(11):1568-84, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Histopathological study on degeneration and regeneration of damaged photoreceptor cells. 3. Electron histochemical study on phosphorylase activity in the photoreceptor cell of the photocoagulated rabbit retina (author's transl)] Yoshida H. **Acta Soc Ophthalmol Jpn** 79(11):1585-93, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Studies on the renin-angiotensin system in adrenal regeneration hypertension (author's transl)] Hasatani K.
Folia Endocrinol Jpn 51(4):217-27, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[A new method for the local irritation test. I. Tissue regeneration test for intramuscular acetic acid injection (author's transl)] Fukawa K, et al. **J Pharm Soc Jpn** 95(11):1307-16, Nov 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Regeneration of microvasculature] Ogawa Y, et al. **J Physiol Soc Jpn** 36(8-9):381-2, 1 Sep 74 **(Jpn)**

[Mucosal regeneration in experimental stomach ulcer in rats, with special reference to the role of differentiated cells] Suto H, et al. **Jpn J Gastroenterol** 72(11):1378-86, Nov 75 (Eng. Abstr.) **(Jpn)**

[3H-thymidine autoradiographic study of regeneration in experimental gastric ulcer] Yoshiba N, et al.
Jpn J Gastroenterol 72(4):339-54, Apr 75 (Eng. Abstr.) **(Jpn)**

[An experimental pathological study of the regenerative activity on the mucosal epithelium of the urinary bladder--with special reference to the autoradiographic and electron microscopic observations (author's transl)] Hiraoka Y. **Jpn J Urol** 66(6):303-26, Jun 75 (Eng. Abstr.) **(Jpn)**

[Clinical studies on cystoplasty. A study on cystoplasty by regeneration in some cases of tumor of bladder using Novectane (liquid synthetic resin)--sprayed thin paper (2) (author's transl)] Taguchi H, et al. **Jpn J Urol** 67(4):248-57, Apr 76 (Eng. Abstr.) **(Jpn)**

[Observations on blood supply and nerve regeneration in the regenerating process of bladder wall (author's transl)] Yamada T. **Jpn J Urol** 67(6):444-51, Jun 76 (Eng. Abstr.) **(Jpn)**

[Effect of homogenates of fetal cornea on the regeneration of conjunctival burns caused by hydrochloric acid] Niebrój TK, et al. **Klin Oczna** 45(7):743-6, Jul 75 (Eng. Abstr.) **(Pol)**

[Biochemical concepts of regeneration of vitreous body following experimental depolymerization of hyaluronic acid] Stankiewicz A, et al. **Klin Oczna** 45(12):1237-42, Dec 75 (Eng. Abstr.) **(Pol)**

[Irregular and excessive regeneration of the ureteral wall and the pyelo-ureteral junction following intubated ureterotomy] Borkowski A. **Pol Przegl Chir** 47(11A):1435-9, Nov 75 (Eng. Abstr.) **(Pol)**

[Morphodynamics of the nervous system in the regenerative processes of Convoluta convoluta (Turbellaria, Acoela)] Boguta KK. **Arkh Anat Gistol Embriol** 70(3):98-103, Mar 76 (Eng. Abstr.) **(Rus)**

[Some regularities of the regeneration of the musculature of internal organs] Gladkiĭ AP. **Arkh Anat Gistol Embriol** 69(8):101-9, Aug 75 (Eng. Abstr.) **(Rus)**

[Connective tissue development in rats with implanted chambers for in vivo microscopy] Iogannsen MG, et al.
Arkh Anat Gistol Embriol 69(12):62-7, Dec 75 (Eng. Abstr.) **(Rus)**

[An experimental-morphologic study of the regenerative capacity of the nematode Pontonema vulgaris (Bastian, 1865)] Korotkova GP, et al. **Arkh Anat Gistol Embriol** 70(3):90-8, Mar 76 (Eng. Abstr.) **(Rus)**

[Regeneration of the gastric mucosa under conditions of massive blood loss] Potashov LV, et al.
Arkh Anat Gistol Embriol 70(2):65-8, Feb 76 (Eng. Abstr.) **(Rus)**

[Histological aspects of posttraumatic regeneration] Truupyl'd Aiu. **Arkh Anat Gistol Embriol** 70(2):96-104, Feb 76 (Eng. Abstr.) **(Rus)**

[Experimental study of the regenerative potentialities of the cardiac and somatic musculatures] Voronov RA.
Arkh Anat Gistol Embriol 69(9):35-40, Sep 75 (Eng. Abstr.) **(Rus)**

[Regarding the article by L.D. Liozner, 'Regeneration of pathologically altered organs'] Solopaev BP. **Arkh Patol** 37(9):61-4, 1975 **(Rus)**

[Completeness of skin regeneration] Efimov EA.
Biull Eksp Biol Med 81(3):368-70, Mar 76 (Eng. Abstr.) **(Rus)**

[Skin regeneration in several species of mammals] Efimov EA. **Biull Eksp Biol Med** 81(6):742-5, Jun 76 (Eng. Abstr.) **(Rus)**

[Damage to and regeneration of the kidney epithelium following crushing of the soft tissues of the extremities] Gansburgskiĭ AN. **Biull Eksp Biol Med** 81(5):601-3, May 76 (Eng. Abstr.) **(Rus)**

[Capacity of regenerated spleen cells to accomplish a graft-versus-host reaction] Kharlova GV, et al.
Biull Eksp Biol Med 81(3):373-4, Mar 76 (Eng. Abstr.) **(Rus)**

[Thyroid regeneration in dogs following its resection] Korolev RV. **Biull Eksp Biol Med** 81(1):64-5, Jan 76 (Eng. Abstr.) **(Rus)**

[Effect of cortisone on post-traumatic regeneration of mammalian skeletal muscle] Kovalenko TM.
Biull Eksp Biol Med 82(7):868-71, Jul 76 (Eng. Abstr.) **(Rus)**

[Physiologic regeneration of jejunal epithelium following bilateral subdiaphragmatic vagotomy in rats] Tsibulevskiĭ

AIu, et al. **Biull Eksp Biol Med** 81(2):236–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Informational role of action potentials in Acetabularia cells] Melkumian VG, et al. **Dokl Akad Nauk SSSR** 224(5):1223–5, 11 Oct 75 **(Rus)**

[Dedifferentiation during amphibian limb regeneration and sources of formation of the regenerating blastema] Polezhaev LV. **Dokl Akad Nauk SSSR** 225(5):1225–7, 11 Dec 75 **(Rus)**

[Regeneration of Hymenolepis nana destroyed by phenasal] Isaeva KhB, et al. **Med Parazitol (Mosk)** 44(6):662–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[A radioautographic study of changes in the intensity of total protein synthesis in the limb tissues of anuran amphibia during loss of regenerating capacity] Cherkasova LV. **Ontogenez** 6(2):190–4, 1975 (Eng. Abstr.) **(Rus)**

[A radioautographic study of changes in the intensity of total protein synthesis in the limb tissues of anuran amphibia during loss of regenerating capacity] Cherkasova LV. **Ontogenez** 6(2):190–4, 1975 (Eng. Abstr.) **(Rus)**

[Reutilization of labelled DNA precursors by the iris cells during the regeneration of the lens and retina in newts] Grigorian EN, et al. **Ontogenez** 7(1):64–9, 1976 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase isoenzymes during regeneration of the lens and retina in adult tritons] Mitashov VI, et al. **Ontogenez** 5(5):513–7, 1974 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase isoenzymes during regeneration of the lens and retina in adult tritons] Mitashov VI, et al. **Ontogenez** 5(5):513–7, 1974 (Eng. Abstr.) **(Rus)**

[Heart muscle regeneration] Polezhaev LV. **Ontogenez** 6(2):154–62, 1975 (61 ref.) (Eng. Abstr.) **(Rus)**

[Heart muscle regeneration] Polezhaev LV. **Ontogenez** 6(2):154–62, 1975 (61 ref.) (Eng. Abstr.) **(Rus)**

[New formation of the skeletal muscles and skeletal muscle and myocardial-like structures in rabbits in experiments with diffusion chambers] Polezhaev LV. **Ontogenez** 6(6):593–601, 1975 (Eng. Abstr.) **(Rus)**

[Mitosis in regenerating comb row and the double-nucleated cells of Ctenophora] Pylilo IV. **Ontogenez** 6(2):187–9, 1975 **(Rus)**

[Mitosis in regenerating comb row and the double-nucleated cells of Ctenophora] Pylilo IV. **Ontogenez** 6(2):187–9, 1975 **(Rus)**

[Oxygen consumption and cytochrome oxidase activity of muscle tissue from the limbs of axolotls following restoration of regenerative capability suppressed by x-ray irradiation] Teplits NA. **Ontogenez** 6(4):348–56, 1975 (Eng. Abstr.) **(Rus)**

[Oxygen consumption and cytochrome oxidase activity of muscle tissue from the limbs of axolotls following restoration of regenerative capability suppressed by x-ray irradiation] Teplits NA. **Ontogenez** 6(4):348–56, 1975 (Eng. Abstr.) **(Rus)**

[A radioautographic study of the dynamics of 3H-thymidine incorporation into the limb tissues of anuran amphibians during the process of loss of regenerating capacity] Tuchkova SIa, et al. **Ontogenez** 6(1):55–62, 1975 (Eng. Abstr.) **(Rus)**

[A radioautographic study of the dynamics of 3H-thymidine incorporation into the limb tissues of anuran amphibians during the process of loss of regenerating capacity] Tuchkova SIa, et al. **Ontogenez** 6(1):55–62, 1975 (Eng. Abstr.) **(Rus)**

[Effect of radiation and cystamine on corneal induction by the eye on intact skin] Popov DV, et al. **Radiobiologiia** 15(3):430–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Evolution of the regeneration capabilities of animals] Liozner LD. **Usp Sovrem Biol** 79(3):459–67, May–Jun 75 (32 ref.) **(Rus)**

[Interrelationship between regeneration and carcinogenesis] Svirnovskiĭ AI. **Usp Sovrem Biol** 77(1):133–52, Jan–Feb 74 (161 ref.) **(Rus)**

[Problems of regeneration in chronic pathological processes] Sarkisov DS. **Vestn Akad Med Nauk SSSR** (10):21–3, 1975 **(Rus)**

[Correlation of physiological and reparative regeneration processes] Liozner LD, et al. **Zh Obshch Biol** 36(2):237–42, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Histological observations of inhibitory effect of testosterone on lymphoid regeneration in the thymus-independent areas of B mice. Kotani M, et al. **Arch Histol Jpn** 38(2):117–20, Aug 75

Dose-dependent effects of methylmercury on limb regeneration of newts (Triturus viridescens). Chang LW, et al. **Environ Res** 11(3):305–9, Jun 76

Effects of hormones on tail regeneration and regression in Rana catesbeiana tadpoles. Li CW, et al. **Gen Comp Endocrinol** 29(3):376–82, Jul 76

Flagellar regeneration in Chlamydomonas reinhardtii: evidence that cycloheximide pulses induce a delay in morphogenesis. Farrell KW. **J Cell Sci** 20(3):639–54, May 76

Disruption of normal forelimb regeneration in adult Notophthalmus viridescens by sublethal concentrations of trypan blue. Dearlove GE, et al. **J Exp Zool** 194(2):413–28, Nov 75

Neurotrophic activity of brain extracts in forelimb regeneration of the urodele, Triturus. Singer M, et al. **J Exp Zool** 196(2):131–50, May 76

Cyclic AMP and neuroendocrine influence upon forelimb regeneration in the adult newt, Notophthalmus viridescens. Sicard RE. **Oncology** 32(3–4):190–5, 1975

Regeneration of crushed skeletal muscles in experimental animals and the effect of leucine on the course of this process in white rat. Rogulska A, et al. **Pol Med Sci Hist Bull** 15(2):245–8, Mar–Apr 75

[The peptide nature of the factor inhibiting cephalic regeneration in Eisenia foetida Sav. f. typica (Annelida, Oligocheta)] Cardon C, et al. **C R Acad Sci [D] (Paris)** 282(7):657–8, 16 Feb 76 (Eng. Abstr.) **(Fre)**

[Regeneration ability of the corneal epithelium under the influence of various hypotensive eye drops] Ziesmer W, et al. **Ber Dtsch Ophthalmol Ges** (73):393–8, 1975 (Eng. Abstr.) **(Ger)**

[Experimental studies of the effect on corticosteroids in the repairing process of damaged retinal lesion after photocoagulation (author's transl)] Nakano M. **Acta Soc Ophthalmol Jpn** 79(11):1594–607, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Effect of some amino acids on the regeneration of skeletal muscles in white rats] Rogulska A. **Rocz Akad Med Bialymstoku** 20:89–104, 1975 (Eng. Abstr.) **(Pol)**

[Effect of neomycin in various drug forms on corneal epithelial regeneration and its tolerance by eye tissues in the rabbit] Verzin AA. **Antibiotiki** (9):842, Sep 75 **(Rus)**

[Influence of hormones on the functional activity of the regenerating cortex of the enucleated adrenal in situ] Truupyl'd TN. **Arkh Anat Gistol Embriol** 68(5):31–7, May 75 (Eng. Abstr.) **(Rus)**

[Effect of cobalt compounds on cardiac muscle regeneration in adult rats] Kliblci MKh. **Dokl Akad Nauk SSSR** 223(1):248–51, Jul–Aug 75 **(Rus)**

[Effect of potassium orotate on compensatory hypertrophy of the remaining lung after left-side pneumonectomy] Kolla VE, et al. **Eksp Khir Anesteziol** (4):35–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Bone marrow scanning with 52iron (52Fe). Regeneration and extension of marrow after ablative doses of radiotherapy. Knospe WH, et al. **Cancer** 37(3):1432–42, Mar 76

How x-rays inhibit amphibian limb regeneration. Maden M, et al. **J Exp Zool** 197(1):105–13, Jul 76

Irradiation inhibits the regeneration of aneurogenic limbs. Wallace H, et al. **J Exp Zool** 195(3):353–8, Mar 76

Effects of irradiation on stem cell response to differentiation inhibitors in the planarian Dugesia etrusca. Steele VE, et al. **Radiat Res** 67(1):21–9, Jul 76

[Kinetics of the main sections of the hematopoietic system in the process of postradiational regeneration] Kondratenko NF. **Biull Eksp Biol Med** 80(10):110–2, Oct 75 (Eng. Abstr.) **(Rus)**

[Participation of irradiated tissues in the formation of limb regenerates in axolotls] Tuchkova SIa. **Dokl Akad Nauk SSSR** 228(3):752–5, 21 Jun 76 **(Rus)**

[Peculiarities of the regeneration of the bone marrow of mice under the influence of sublethal doses of radiation] Barakina NF. **Radiobiologiia** 15(5):657–61, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

REGIONAL BLOOD FLOW

Hemodynamics in arterial reconstructions of the lower limb. I. blood flow. Dedichen H. **Acta Chir Scand** 142(3):213–20, 1976

Effect of spinal sympathetic blockade upon local regulation of blood flow in subcutaneous tissue. Henriksen O, et al. **Acta Physiol Scand** 95(1):83–8, Sep 75

Regional distribution of blood flow in calf muscles of rat during passive stretch and sustained contraction. Wisnes A, et al. **Acta Physiol Scand** 29(2):256–66, Feb 76

Changes in regional vascular resistance after myocardial infarction in the dog. Maximov MJ, et al. **Am J Cardiol** 37(1):26–32, Jan 76

Systemic and regional blood flow during epidural anesthesia without epinephrine in the rhesus monkey. Sivarajan M, et al. **Anesthesiology** 45(3):300–10, Sep 76

The regional circulation. Ross G. **Annu Rev Physiol** 33:445–78, 1971 (195 ref.)

Proceedings: Critical evaluation of continuous blood flow measurements with heat conductivity probes. Betz E. **Arzneim Forsch** 25(6):981, Jun 75

Proceedings: Problems of measuring regional blood flow with tracer particles. Flohr H, et al. **Arzneim Forsch** 25(6):985–7, Jun 75

Proceedings: Methodological aspects concerning the analysis of inert gas clearance curves and the validity of this method with regard to the interpretation of regional blood flow inhomogeneities. Hutten H. **Arzneim Forsch** 25(6):980–1, Jun 75

Proceedings: The influence of local perfusion symmetries on the heat transport in perfused biological tissue. Klinger HG, et al. **Arzneim Forsch** 25(6):982–3, Jun 75

Proceedings: Local blood flow measured by tissue sampling techniques using diffusible indicators. Lassen NA. **Arzneim Forsch** 25(6):985, Jun 75

Proceedings: Local heat clearance for measuring blood flow quantitatively. Müller-Schauenburg W. **Arzneim Forsch** 25(6):979–80, Jun 75

Proceedings: Computer analyse of cooling curves. Priebe L, et al. **Arzneim Forsch** 25(6):980, Jun 75

Proceedings: Numerical evaluation of diffusion and flow parameters from H2 clearance curves. Tobler HJ, et al. **Arzneim Forsch** 25(6):984, Jun 75

Proceedings: New methods to determine tissue circulation by photometrically measured indicator clearance curves in reflected light. Wodick R, et al. **Arzneim Forsch** 25(6):979, Jun 75

Proceedings: New methods to evaluate hydrogen clearance with locally generated hydrogen. Wodick R. **Arzneim Forsch** 25(6):978–9, Jun 75

Quantitative measurement of local blood flow with heat clearance. Müller-Schauenburg W, et al. **Basic Res Cardiol** 70(5):547–67, Sep–Oct 75

Investigation of local blood flow by non-radioactive microsphere mapping in cleared tissue slides. Vetterlein F. **Basic Res Cardiol** 70(4):401–5, Jul–Aug 75

Mathematical model of blood chemistry and local blood flow regulation. Smolej V, et al. **Biosystems** 7(1):209–12, Jul 75

The effect of blood flow upon the activity of gallamine triethiodide. Goat VA, et al. **Br J Anaesth** 48(2):69–73, Feb 76

Organ perfusion during controlled hypotension. Strunin L. **Br J Anaesth** 47(7):793–8, Jul 75

The effect of lobar obstruction on regional perfusion in the intact dog. Zidulka A, et al. **Can J Physiol Pharmacol** 53(5):954–7, Oct 75

Temporary interruption of regional blood flow combined with local hyperthermia for cancer chemotherapy. Baba T, et al. **Cancer Res** 36(7 PT 1):2146–52, Jul 76

Effects of hypoxia on distribution of cardiac output and organ blood flow in the rabbit. Regional vascular response to hypoxia. Wyler F. **Cardiology** 60(3):163–72, 1975

Transcutaneous Doppler detector in the study of arterial and venous flow patterns. Joyner CR. **Cardiovasc Clin** 6(3):385–99, 1975 (44 ref.)

Dynamics of tissue distribution of radiopotassium as affected by simulated differences in regional extraction. Downey HF, et al. **Cardiovasc Res** 9(5):607–12, Sep 75

Simultaneous measurement of cardiac output and its distribution with microspheres in the rat. McDevitt DG, et al. **Cardiovasc Res** 10(4):494–8, Jul 74

Observations on autoregulation in skeletal muscle: the effects of arterial hypoxia. Pohost GM, et al. **Cardiovasc Res** 10(4):405–12, Jul 74

Vasodilator nerves in regional circulatory control. Bell C. **Clin Exp Pharmacol Physiol** Suppl 2:49–53, 1975 (30 ref.)

The pattern of venous drainage of surgically created side-to-side arteriovenous fistulae in the human forearm. Jamison JP, et al. **Clin Sci Mol Med** 50(1):37–41, Jan 76

Comparison of renal blood flow and transit times measured by means of 99mTc-labelled erythrocytes and Indocyanine Green in humans with normal and diseased kidneys. Reubi FC, et al. **Clin Sci Mol Med** 51(2):151–9, Aug 76

The pressure-volume relationship in normotensive and permanent essential hypertensive patients. Safar ME, et al. **Clin Sci Mol Med** 50(3):207–12, Mar 76

Measurement by venous occlusion plethysmography of blood flow through surgically created arteriovenous fistulae in the human forearm. Wallace WF, et al. **Clin Sci Mol Med** 50(1):43–9, Jan 76

The clinical measurement of skeletal blood flow. Wootton R, et al. **Clin Sci Mol Med** 50(4):261–8, Apr 76

Blood flow distribution as indicated by tracer microspheres in resting and hypoxic Arctic grayling (Thymallus arcticus). Cameron JN. **Comp Biochem Physiol [A]** 52(3):441–4, 1 Nov 75

A prototype segmental model for blood flow and heat transfer in the limb. Hsia TC. **Comput Programs Biomed** 4(4):219–25, Aug 75

Oxygen tension: dependent or independent variable in local control of blood flow? Duling BR, et al. **Fed Proc** 34(11):2012–9, Oct 75 (42 ref.)

Tissue electrolytes and blood flow in skeletal muscle. pp. 376–80. Gebert G.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Letter: Theoretical basis for regional blood flow measurement by use of the ratio of 81Rb: 81mKr. Spencer RP, et al. **Int J Nucl Med Biol** 3(1):55–6, Jan 76

Forearm skin and muscle vascular responses to prolonged leg exercise in man. Johnson JM, et al. **J Appl Physiol** 39(6):920–4, Dec 75

Reference sample method for cardiac output and regional blood flow determinations in the rat. Malik AB, et al. **J Appl Physiol** 40(3):472–5, Mar 76

Spinal cord blood flow measured by a hydrogen clearance technique. Griffiths IR, et al. **J Neurol Sci** 26(4):529–44, Dec 75

Proceedings: Organ blood flow in the anesthetized spontaneously hypertensive rat. Nishiyama K, et al. **Jpn Heart J** 17(3):359–60, May 76

Blood flow cessation at external pressure in rat skinflaps. Isotope washout compared to vital capillary microscopy. Bolund S, et al. **Microvasc Res** 11(3):381–90, May 76

Blood flow in mesenteric, hepatic portal and renal portal veins of chickens. Sturkie PD, et al. **Pflueugers Arch** 359(1–2):127–35, 29 Aug 75

Preservation of the arterial circulation in children requiring hemodialysis by use of an end-to-side dacron-silastic shunt. Hepps SA, et al. **Proc Clin Dial Transplant Forum** (4):108–11, 1974

Abnormalities in the regional circulations accompanying congestive heart failure. Zelis R, et al. **Prog Cardiovasc Dis** 18(3):181–99, Nov–Dec 75 (71 ref.)

An evaluation of finger pulse volume as a psychophysiological measure of anxiety. Bloom LJ, et al. **Psychophysiology** 13(1):40–2, Jan 76

Influence of static strength and intramuscular occlusion on submaximal static muscle endurance. Heyward VH. **Res Q Am Assoc Health Phys Educ** 46(4):393–402, Dec 75

Quantitative ultrasonic blood flow measurement in Dacron grafts. LoGerfo FW, et al. **Surgery** 79(5):569–72, May 76

Capillary blood flow in the nail fold in relation to the digital systolic blood pressure. Fagrell B, et al. **Vasa** 4(3):250–7, 1975

Uterine, maternal placental and ovarian blood flow throughout pregnancy in the guinea pig. Bjellin L, et al. **Z Geburtshilfe Perinatol** 179(3):179–87, Jun 75

[Effect of experimentally induced changes in blood flow on the heat and electrical conductivity of the skin] Fraudendorf H, et al. **Acta Biol Med Ger** 34(5):923–31, 1975 (Eng. Abstr.) **(Ger)**

[Determination of local brain blood flow by means of switched heating] Zeschke G, et al. **Acta Biol Med Ger** 34(4):593–602, 1975 **(Ger)**

[Analysis of the mean residence time in pulsating flows measured by x-ray densitometry methods (author's transl)] Kämpfen Y. **Biomed Tech (Stuttg)** 20(4):150–4, Aug 75 (Eng. Abstr.) **(Ger)**

[A new experimental set-up for the direct microscopic observation of the flow behaviour of blood in models of natural and artifical vessel systems (author's transl)] Lambert J. **Biomed Tech (Stuttg)** 20(4):139–43, Aug 75 (Eng. Abstr.) **(Ger)**

[The normal vascular wall and transport phenomena] Forssmann WG. **Med Welt** 27(35):1606–10, 27 Aug 76 **(Ger)**

[Peripheral phlebodynamometry. Basis, technics, capabilities] Kriessmann A. **Vasa** Suppl 4:1–35, 1975 (103 ref.) **(Ger)**

[The relationship between the surface of the peripheral volume pulse and the segmental blood flow] Grossmann K. **Z Gesamte Inn Med** 30(7):279–82, 1 Apr 75 (Eng. Abstr.) **(Ger)**

[Dependence of the contractility of the non-pregnant human uterus from the perfusion pressure of the vascular bed during the menstrual cycle] Czekanowski R. **Zentralbl Gynaekol** 97(17):1057–67, 1975 (Eng. Abstr.) **(Ger)**

[Aspects of adaptation of peripheral circulation to effort under hyperthermia. I. Variations in the regional flow] Di Benedetto A, et al. **Boll Soc Ital Cardiol** 18(3):257–65, 1973 (Eng. Abstr.) **(Ita)**

[Proceedings: Analysis of peripheral circulation with a dynamic test method] Saito T. **J Physiol Soc Jpn** 36(8–9):381, 1 Sep 74 **(Jpn)**

[Effect of the limbic cortex on regional lymph and blood flow in dogs] Bulekbaeva LE, et al. **Biull Eksp Biol Med** 79(4):10–2, Apr 75 (Eng. Abstr.) **(Rus)**

[An intravital study of regional hemodynamics] Sigal ZM. **Eksp Khir Anesteziol** (2):25–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Regional redistribution of blood during air cooling of unanesthetized rats] Kovalev OA, et al. **Fiziol Zh SSSR** 62(7):968–73, Jul 76 (Eng. Abstr.) **(Rus)**

Vascular reflexes in intact and spinal cats following local thermostimulation of the skin] Tsitsurin VI. **Fiziol Zh SSSR** 62(4):578–85, Apr 76 (Eng. Abstr.) **(Rus)**

[Continuous blood flow as a manifestation of reduced blood circulation in the intramural vessels of the intestine] Sigal ZM. **Patol Fiziol Eksp Ter** (4):74–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of assisted circulation with high-degree hemodilution on the distribution of blood flow] Barta E, et al. **Rozhl Chir** 55(3):174–80, Mar 76 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Posture and epidural block in pregnant women at term. Effects on arterial blood pressure and limb blood flow. Weaver JB, et al. **Anaesthesia** 30(6):752–6, Nov 75

Improvement in blood flow through a critical arterial stenosis by defibrination with ancrod. Barrie WW, et al. **Arch Surg** 111(5):561–3, May 76

Proceedings: Prostaglandins and changes in the gastric mucosal barrier and blood flow during indomethacin- and bile salt-induced mucosal damage. Whittle BJ. **Br J Pharmacol** 56(3):34OP–341P, Mar 76

Blood flow and muscle relaxants. pp. 241–3. Feldman SA. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

The effect of isoproterenol and dopamine on the fractional distribution of cardiac output and on the organ blood flow in the dog. pp. 856–9. In-Nami H, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Action of glucagon and atropine on mucosal blood flow of resitng fundic pouches of dogs. Warrick M, et al. **Life Sci** 17(3):333–8, 1 Aug 75

Pharmacological effects of urotensins. I. Regional vascular effects of urotensins I and II in the rat. Medakovic M, et al. **Pharmacology** 13(5):409–18, 1975

Effects of acute administration of isoproterenol on the systemic and regional blood flow in the dog. In-Nami H, et al. **Resuscitation** 3(4):285–94, 1974

[One method of studying regional blood flow] Paskov D, et al. **Eksp Med Morfol** 13(3):199–205, 1974 (Eng. Abstr.) **(Bul)**

[Effect of changes in sympathetic vasomotor tonus on vasodilatatory effect of catecholamines] Wassermann D, et al. **C R Soc Biol (Paris)** 169(5):1172–6, 1975 (Eng. Abstr.) **(Fre)**

[Effect of (2,4,6-trimethoxy)phenyl-(3-pyrrolidino)propylketone or LL 1656 on the femoral blood flow in the dog. Comparison with papaverine] Duteil J, et al. **Therapie** 30(2):207–19, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[The influence on pedicle flap blood supply and necrosis rate of plastic displacement with pentoxifylline and dextran 40] Olivari VN, et al. **Arzneim Forsch** 25(5):745–8, May 75 (Eng. Abstr.) **(Ger)**

[Clinical experimental studies on pentoxifyllin in extremities with blood circulation disorders and in healthy extremities. Blood circulation measurements with xenol33-muscle-clearance, ultrasonic Doppler technic and rheography] Baumann JC. **Med Welt** 26(46):2103–6, 14 Nov 75 **(Ger)**

[The percutaneous treatment of arthrogenous pains with hyperemizing gel] Vetter I. **Med Welt** 27(6):271–2, 6 Feb 76 **(Ger)**

[Clinical-pharmacological studies on the effect of mephentermin and methamphetamine on the hemodynamics of the lung circulation] Kneehans S, et al. **Z Gesamte Inn Med** 30(6):227–30, 15 Mar 75 (Eng. Abstr.) **(Ger)**

[Proceedings: The effect of nitrates on the systemic circulation and the myocardial oxygen consumption] Tauchert M, et al. **Z Kardiol** Suppl 2:84, 1975 **(Ger)**

[The effect of dimethyl sulfoxide (DMSO) on the blood circulation in the pulp] Gängler VP, et al. **Zahn Mund Kieferheilkd** 63(3):227–37, 1975 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Regional blood flow in rats exposed to supralethal doses of whole body x-irradiation. Watters C, et al. **Radiat Environ Biophys** 12(4):303–13, 4 Dec 75

[Changes in some functional properties of the vessels of the intestine in total body gamma-irradiation in superlethal doses] Sushkevich LN, et al. **Radiobiologiia** 15(5):771–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

REGIONAL MEDICAL PROGRAMS

Regionalization of a birth defects prevention clinic. Acker D, et al. **Am J Obstet Gynecol** 125(7):933–6, 1 AUG 76

ARMP--the summation. Melick DW. **Ariz Med** 32(12):938–43, Dec 75

Arizona Regional Perinatal Program. Ziehm DJ. **Ariz Med** 32(10):810–1, Oct 75

Critical requirements in regional health planning. Meekison WG, et al. **Can J Public Health** 66(4):299–306, Jul–Aug 75

An Ontario solution to medically underserviced areas: evaluation of an ongoing program. Bass M, et al. **Can Med Assoc J** 113(5):403–7, 6 Sep 75

The Regional Infant Cardiac Program. A six year evaluation. Chameides L, et al. **Conn Med** 39(11):709–10, Nov 75

The Yale School of Medicine and community health institutions: effecting the partnership. Korper SP. **Conn Med** 40(1):19–20, Jan 76

Connecticut and its Cancer Center Regional Activities. Mandel HR. **Conn Med** 39(11):721–3, Nov 75

Regional kidney disease network offers efficient care, operation. McLaughlin DB, et al. **Hospitals** 50(1):89–92, 1 Jan 76

Rheumatic fever programs in Florida: update. Ayoub EM, et al. **J Fla Med Assoc** 62(11):42–4, Nov 75

The Florida Regional Medical Program. A report. Engebretson GR, et al. **J Fla Med Assoc** 62(12):43–7, Dec 75

Perinatal care. Regionalization in Kansas. Hume JW, et al. **J Kans Med Soc** 76(9):206–9, Sep 75

Opportunities and issues in new health planning legislation. Cameron CM Jr. **J Okla State Med Assoc** 69(2):42–7, Feb 76

Health systems agencies--just another hurdle? Prothro GW, et al. **J Okla State Med Assoc** 69(2):38–41, Feb 76

Regionalized perinatal care: an estimate of potential effect on racial differences in perinatal mortality in North Carolina. Berger GS, et al. **NC Med J** 36(8):476–9, Aug 75

The Ur 1 States National Spinal Cord Injury Data Researc Centre. Young JS. **Paraplegia** 14(1):81–6, May 76

Preliminary report on the application of a computer system to a regional dialysis program. Shapiro FL, et al. **Proc Clin Dial Transplant Forum** 1:139–46, 1971

Physicians and health regionalization: response to implied government involvement. Warren S. **Soc Sci Med** 10(1):39–46, Jan 76

Editorial: Regionalized emergency medical care. Stephenson SE. **South Med J** 69(5):531–2, May 76

Regionalization of trauma patient care: the Illinois experience. Boyd DR, et al. **Surg Annu** 7:25–52, 1975

[Role of each component of the regional health system and its future - the public health clinic] **Jpn J Clin Med** 33(8):2527–31, 10 Aug 75 **(Jpn)**

[The concept of the regional medical system] Abe H. **Jpn J Clin Med** 33(8):2444–8, 10 Aug 75 **(Jpn)**

[Regional medical programs in Japan - emergency medical information system developed in Kanagawa prefecture] Aoyama M. **Jpn J Clin Med** 33(8):2570–5, 10 Aug 75 **(Jpn)**

[Future of the regional medical system - with special reference to its social assessment] Atsumi K. **Jpn J Clin Med** 33(8):2539–45, 10 Aug 75 **(Jpn)**

[Role of each component of the regional medical system and its future - hospitals and clinics in the community] Fujisawa M. **Jpn J Clin Med** 33(8):2503–8, 10 Aug 75 **(Jpn)**

[Problems of the regional medical system - legal viewpoint] Fukuda M. **Jpn J Clin Med** 33(8):2546–50, 10 Aug 75 **(Jpn)**

[Regional medical programs of the world - medical programs in isolated areas in Sweden] Furukawa T. **Jpn J Clin Med** 33(8):2609–17, 10 Aug 75 **(Jpn)**

Regional medical programs of the world - the regional medical program and National Health Service(NHS) in Great Britain] Gunji A. **Jpn J Clin Med** 33(8):2604–8, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system - telephone transmission of pacemaker information during after care] Hattori J, et al. **Jpn J Clin Med** 33(8):2473–81, 10 Aug 75 **(Jpn)**

[Regional medical programs in Japan - medical system in areas with heavy snowfall] Hirose Y. **Jpn J Clin Med** 33(8):2565–9, 10 Aug 75 **(Jpn)**

[Role of each component of the regional helath system and its future - problems and future of automated multiphasic health testing and services(AMHTS)] Iwatsuka T, et al. **Jpn J Clin Med** 33(8):2522–6, 10 Aug 75 **(Jpn)**

[Regional medical programs in Japan - the current status and evaluation of a health care plan in a New Town] Kaneda H. **Jpn J Clin Med** 33(8):2576–80, 10 Aug 75 **(Jpn)**

[Regional medical programs in Japan---formation of a medical system built around a central hospital for isolated areas and islands] Kawashima N. **Jpn J Clin Med** 33(8):2559–64, 10 Aug 75 **(Jpn)**

[Regional medical programs of the world - changes in the Regional Medical programs in the United States] Kiikuni K. **Jpn J Clin Med** 33(8):2593–7, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system - planning of the operation of community health services and public health information systems] Kimata S. **Jpn J Clin Med** 33(8):2491–6, 10 Aug 75 **(Jpn)**

[Organizational theory of the regional medical system - physician point of view] Kurata S. **Jpn J Clin Med** 33(8):2454–8, 10 Aug 75 **(Jpn)**

[Problems of the regional medical system - physicians' point of view] Nagasaka M. **Jpn J Clin Med** 33(8):2551–8, 10 Aug 75 **(Jpn)**

[Organizational theory of the regional medical system - administrative point of view] Nishi S. **Jpn J Clin Med** 33(8):2449–53, 10 Aug 75 **(Jpn)**

[Role of each component of the regional medical system and its future - research institutions (Universities and laboratories)] Okajima M. **Jpn J Clin Med** 33(8):2509–15, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system - telephone transmission of the electrocardiographic data] Omiya Z, et al. **Jpn J Clin Med** 33(8):2469–72, 10 Aug 75 **(Jpn)**

[Regional medical program of the world - regional medical information system in Missouri?] Rikli AE. **Jpn J Clin Med** 33(8):2598–603, 10 Aug 75 **(Jpn)**

[Role of medical associations in stabilization of regional medical system, with special reference to planning of multichannel medical systems(MMS)] Sugita H. **Jpn J Clin Med** 33(8):2497–502, 10 Aug 75 **(Jpn)**

[Organizational theory of the regional medical system - in relation to medical education] Takakura F, et al. **Jpn J Clin Med** 33(8):2464–8, 10 Aug 75 **(Jpn)**

[Organizational theory of the regional medical system - viewpoints of para-medical - professions and public health nursing] Tanaka K. **Jpn J Clin Med** 33(8):2459–63, 10 Aug 75 **(Jpn)**

[Regional medical system and public health] Tanaka T. **Jpn J Clin Med** 33(8):2532–8, 10 Aug 75 **(Jpn)**

[Regional mecal programs of the world - Flying Doctor Service - a method in delivery of medical care in Australia] Tanaka T. **Jpn J Clin Med** 33(8):2618–22, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system - telephone transmission of fetal data] Tsumji Y, et al. **Jpn J Clin Med** 33(8):2482–6, 10 Aug 75 **(Jpn)**

[Regional medical programs in Japan - preventive care system] Wakatsuki T. **Jpn J Clin Med** 33(8):2581–7, 10 Aug 75 **(Jpn)**

[Role of each component of the regional medical system and its future - central laboratories] Yamagata I. **Jpn J Clin Med** 33(8):2516–21, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system - television transmission system for radiography] Yoshimura K. **Jpn J Clin Med** 33(8):2487–90, 10 Aug 75 **(Jpn)**

[The training of human resources and the need for health services] Neri AC. **Educ Med Salud** 9(3):272–84, 1975 (Eng. Abstr.) **(Spa)**

STANDARDS

The evaluation of Regionalized Perinatal Health Care Programs. Berger GS, et al. **Am J Obstet Gynecol** 125(7):924–32, 1 AUG 76

REGISTRIES

The New Jersey Medical School Narcotics Case Register: methodology and summary of first four years of operation. Lavenhar MA, et al. **Addict Dis** 1(4):513–27, 1975

Narcotic addiction in New York City: trends from 1968 to mid–1973. Newman RG, et al. **Am J Drug Alcohol Abuse** 1(1):53–66, 1974

Letter: International registry of abnormal karyotypes. Borgaonkar DS, et al. **Am J Obstet Gynecol** 123(1):105, 1 Sep 75

Letter: Tumor registry: immunodeficiency disease and cancer. Spector BD. **Ann Intern Med** 84(5):609, May 76

Editorial: On registration of employees exposed to oncogens. Clemmesen J. **Biomedicine** 22(5):339–41, Sep 75

The General Dental Council. Swiss RG. **Br Dent J** 139(5):200, 2 Sep 75

The Bristol Pyelonephritis Registry: 10 years on. Gaches CG, et al. **Br J Urol** 47(7):721–5, 1975

Changing pattern of male homosexual registrations in a venereal disease clinic, 1964–1974. Bavidge KJ. **Br J Vener Dis** 52(3):165–7, Jun 76

Register of newly diagnosed diabetic children. Bloom A, et al. **Br Med J** 3(5983):580–3, 6 Sep 75

Causes of blindness in children. 1046 cases registered with the Canadian National Institute for the Blind 1970–1973. Pearce WG. **Can J Ophthalmol** 10(4):469–72, Oct 75

Some observations on a record keeping and end–results reporting system. Sellers AH. **Can J Otolaryngol** 4(5):727–32, 1975

The British Columbia Registry for Handicapped Children and Adults: evolutionary changes over twenty years. Lowry RB, et al. **Can J Public Health** 66(4):322–6, Jul–Aug 75

Restaging of breast cancer in a northern Alberta registry. Burns PE, et al. **Can Med Assoc J** 115(6):516–8, 18 Sep 76

Special article on tumor registries: the hospital tumor registry. Present status and future prospects. Laszlo J, et al. **Cancer** 38(1):395–402, Jul 76

Registration and notification. Fine SR. **Child Care Health Dev** 1(5):309–13, Sep–Oct 75

International Registry of Abnormal Karyotypes. Borgaonkar DS, et al. **Clin Genet** 8(5):383–4, Nov 75

A study on the drop–outs of the hypertension register of the North Karelia project. Tuomilehto J, et al. **Community Health (Bristol)** 7(3):149–52, Jan 76

International registry of abnormal karyotypes. Borgaonkar DS, et al. **Humangenetik** 28(4):317–8, 25 Aug 75

Proposal for an osteonecrosis registry in the United States. pp. 221–2. Gillen HW.
In: Beckman EL, Elliott DH, ed. Dysbarism–related osteonecrosis. Washington, US Department of Health Education and Welfare, 1974. WE 200 S99d 1972.

Medical registry for bone necrosis in England. pp. 215–9. McCallum RI, et al.
In: Beckman EL, Elliott DH, ed. Dysbarism–related osteonecrosis. Washington, US Department of Health Education and Welfare, 1974. WE 200 S99d 1972.

Experiences with community stroke registers. pp. 117–29. Hatano S.
In: Hatano S, et al., ed. Hypertension and stroke control in the community. Geneva, World Health Organization, 1976. WG 340 W1104h 1974. (16 ref.)

The uses of hypertension registers. pp. 113–6. Strasser T.
In: Hatano S, et al., ed. Hypertension and stroke control in the community. Geneva, World Health Organization, 1976. WG 340 W1104h 1974.

Heredity, early identification of hearing loss, and the risk register. pp. 23–32. Fraser GR.
In: Mencher G., ed. Early identification of hearing loss. Basel, Karger, 1976. WV 270 N935e 1974.

Risk factors in myocardial infarction patients. Results from the WHO register study. pp. 173–80. Nüssel E, et al.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Cancer registry as an essential prerequisite to cancer control. Jain DK. **Indian J Cancer** 12(4):363–8, Dec 75

Sex–ratio and Indian birth registration data. Goon AM. **Indian J Public Health** 19(1):34–7, Jan–Mar 75

Intern registration program. Ponitz ML. **J Am Osteopath Assoc** 75(1):100–6, Sep 75

Letter: International registry of abnormal karyotypes. Borgaonkar DS, et al. **J Genet Hum** 24(1):73–4, Mar 76

Eye malformations in the mentally retarded. Social and medical implications of the registration. Warburg M. **J Genet Hum** 23 SUPPL:247–8, Oct 75

The use of a registry case load survey in predicting trends in rehabilitative needs for the handicapped. Miller JR, et al. **J Ment Defic Res** 19(2):101–6, Jun 75 Stewart HL, et al. **J Natl Cancer Inst** 56(2):447–50, Feb 76

Use of a trauma registry in the management of children with life–threatening injuries. Haller JA Jr, et al. **J Pediatr Surg** 11(3):381–90, Jun 76

Using an age–sex register. Goodman M. **J R Coll Gen Pract** 25(154):379–82, May 75

A computerized tumor–registry system for persons who do not love computers. Johnson IC, et al. **J Surg Oncol** 7(5):375–80, 1975

The International Registry of Tumor Immunotherapy. Windhorst D. **Med Clin North Am** 60(3):641–8, May 76

Letter: Notification of malformations under the Obstetric Regulations, 1975. Becroft DM. **NZ Med J** 82(549):243, 8 Oct 75

Letter: Handicapped children's register. Murphy W. **NZ Med J** 82(544):62, 23 Jul 75

Cooperative program of the Austria cancer registry and the cancer registry of Hungary (comparative studies in neighbouring regions). Eckhardt S, et al. **Osterr Z Onkol** (5–6):109–12, 1974

Statistical report of the European Dialysis and Transplant Association. **Proc Eur Dial Transplant Assoc** 11:3–67, 1975

Implications of findings from the amniocentesis registry for public policy. Cooper T. **Public Health Rep** 91(2):116–7, Mar–Apr 76

The Johannesburg Bone Tumour Registry—the first 10 years. Solomon L. **S Afr J Surg** 13(3):129–35, Sep 75

Notifications of diseases in the Republic of South Africa, 1971–1974. Fehrsen GS, et al. **S Afr Med J** 50(24):939–42, 5 Jun 76

A new look at an old problem. Rose EF. **S Afr Med J** 49(50):2069–70, 22 Nov 75

Prospects for medical practice in New Zealand. **Ugeskr Laeger** 137(51):3071–2, 15 Dec 75

Cancer reporting. **Wis Med J** 75(4):23, Apr 76

[Is there a possibility for gonorrhea patients who cured themselves with peroral penicillin to escape medical evidence] Danda J, et al. **Cesk Dermatol** 50(6):388–91, Dec 75 (Eng. Abstr.) **(Cze)**

[Experience with registering, dispensation, and notification of venereal diseases in the West Bohemian region using the ZPA 600 computer. I. Registration of gonorrhoea patients (author's transl)] Resl V Jr, et al. **Cesk Dermatol** 51(3):179–87, Jun 76 (Eng. Abstr.) **(Cze)**

[The patient registries of the National Board of Health and Welfare] Bille M. **Ugeskr Laeger** 138(16):1008–10, 12 Apr 76 **(Dan)**

[Editorial: Technology and inguisitive prevention] Sorensen B. **Ugeskr Laeger** 138(19):1147–8, 3 May 76 **(Dan)**

[Amendment to Infectious Disease Registration Law] **Ned Tijdschr Geneeskd** 119(43):1676, 25 Oct 75 **(Dut)**

[Letter: Adminstrative identification of patients in large population groups] Hoogendoorn D. **Ned Tijdschr Geneeskd** 119(44):1733, 1 Nov 75 **(Dut)**

[Systematic registration of malformations] Dessemond M, et al. **J Genet Hum** 23 SUPPL:50–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Creation of an intercantonal tumor register] Raymond L, et al. **Schweiz Med Wochenschr** 105(38):1224–6, 20 Sep 75 (Eng. Abstr.) **(Fre)**

[Evidence for regression of carcinoma–in–situ and for a second form of invasive cervical cancer, Connecticut 1935–73] Meigs JW, et al. **Geburtshilfe Frauenheilkd** 36(7):554–69, Jul 76 **(Ger)**

[The use of psychiatric case registers in the evaluation of community psychiatric services] pp. 16–33. Wing JK.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

[The central bone tumor registry for the Federal Republic of Germany (author's transl)] Wagner G. **Langenbecks Arch Chir** 339:315–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Dialysis and kidney transplantation in Switzerland in 1973] Brunner FP, et al. **Schweiz Med Wochenschr** 105(36):1151–9, 6 Sep 75 (Eng. Abstr.) **(Ger)**

[Prescription return for the improvement of compulsory reporting of taeniasis] Semlow A, et al. **Z Gesamte Hyg** 21(1):58–61, Jan 75 (Eng. Abstr.) **(Ger)**

[Results of the myocardial infarct registers in the German Democratic Republic and their significance for the reduction of early mortality in myocardial infarce] Aurisch R, et al. **Z Gesamte Inn Med** 30(16):154–6, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Early diagnosis of cancer and the cancer register] Neumann G. **ZFA** 52(16):832–6, 10 Jun 76 **(Ger)**

[Practical criteria concerning compulsory reporting of occupational diseases] Galasso FS. **Med Lav** 66(5):462–4, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Registration of cases of non–hospitalized patients sudden death due to acute myocardial infarct and acute coronary insufficiency and its importance for further improvement in the control of ischemic heart disease] Januškevicius ZI, et al. **Kardiologiia** 16(1):22–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Cerebral stroke registry in a rural district] Kolianov VB. **Sov Med** (12):49–53, Dec 75 (Eng. Abstr.) **(Rus)**

[Increasing the efficiency of the centralized system of issuing work incapacity forms in municipal polyclinics] Azarenkova TN. **Zdravookhr Ross Fed** (4):39–40, Apr 75 **(Rus)**

[Forms and instructions to register tuberculosis data in 1976] **Front Gastrointest Res** 2:221–54, 1976 **(Spa)**

[Editorial: Registration of malignant tumors of the female genital system] Campodonico I. **Rev Chil Obstet Ginecol** 39(5):171–2, 1974 **(Spa)**

[Epidemiology of neoplasms. Registry of neoplasm pathology of the Instituto Mexicano del Seguro Social] Palacci RO. **Salud Publica Mex** 17(4):543–53, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

[Editorial: Registration of hospital infections] Ringertz O. **Lakartidningen** 73(19):1809–10, 5 May 76 **(Swe)**

[Nomesko—unknown 10–year–old committee searching contact with physicians. Better marketing of statistics and uncomplicated records] Karlsson Y. **Nord Med** 91(6–7–1):198–200, Jun 76 **(Swe)**

STANDARDS

[Analysis and interpretation of the registration of work incapacity in a large optical industry] Machan FG. **Z Aerztl Fortbild (Jena)** 29(6):302–5, 15 Mar 75 **(Ger)**

REGITINE see **PHENTOLAMINE**

REGRESSION

Guilt clarification via age regression. Twerski AJ, et al. **Am J Clin Hypn** 18(3):204–6, Jan 76

Psychosis, thought disorder, and regression. Adnreasen NC, et al. **Am J Psychiatry** 133(5):522–6, May 76

Psychological problems in rehabilitation programmes. pp. 32–4. Degree–Coustry C.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Hypnotizability as a function of adaptive regression among chronic psychotic patients. Lavoie G, et al. **Int J Clin Exp Hypn** 24(3):238–57, Jul 76

Primal experience groups: a flexible structure. Freundlich D. **Int J Group Psychother** 26(1):29–41, Jan 76

Ego functioning during paranoid regression. Fromm MG. **Int J Psychoanal Psychother** 5:11–37, 1976

Restoration of eidetic imagery via hypnotic age regression: a preliminary report. Walker NS, et al. **J Abnorm Psychol** 85(3):335–7, Jun 76

The regressive effects of frustration upon the concrete reasoning ability of seven and eight–year–old–boys. Larcom R. **J Genet Psychol** 127(Second Half):257–68, Dec 75

Regression in the service of the ego in young children. Dudek SZ. **J Pers Assess** 39(4):369–76, Aug 75

Transference regression and real experience in the psychoanalytic process. Dewald PA. **Psychoanal Q** 45(2):213–30, Apr 76

Psychological reactions to facial and hand burns in young men. Can I see myself through your eyes? Solnit AJ, et al. **Psychoanal Study Child** 30:549–66, 1975

[A case of narcissistic regression during adolescence] Ferrari P, et al. **Rev Neuropsychiatr Infant** 24(6):325–8, Jun 76 (Eng. Abstr.) **(Fre)**

REGRESSION ANALYSIS see under **STATISTICS**

REGURGITATION, AORTIC VALVE see **AORTIC VALVE INSUFFICIENCY**

REGURGITATION, GASTRIC

Alkaline reflux gastritis. Bushkin FL, et al. **Major Probl Clin Surg** 20:48–63, 1976

[Postoperative reflux gastristis] Loup P, et al. **Helv Chir Acta** 42(4):535–8, Sep 75 **(Fre)**

CHEMICALLY INDUCED

[Importance of the competence of the esophagogastric junction in anesthesia] Molina R, et al. **Rev Esp Anestesiol Reanim** 23(1):25–36, Jan 76 **(Spa)**

COMPLICATIONS

Bile reflux gastritis. Contribution of inadequate gastric emptying. Davidson ED, et al. **Am J Surg** 130(5):514–8, Nov 75

Letter: Acid pulmonary aspiration. Roberts RB. **Br J Anaesth** 47(11):1230, Nov 75

[Reflux–gastritis] Brummelkamp WH. **Ned Tijdschr Geneeskd** 119(52):2073–7, 27 Dec 75 **(Dut)**

DIAGNOSIS

Letter: Quantitation of gastroesophageal reflux. Castell DO. **Gastroenterology** 71(1):179–80, Jul 76

ETIOLOGY

[Regurgitation and reflux esophagitis after gastrectomy] Masiukova EM, et al. **Khirurgiia (Mosk)** (11):60–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Esophago–gastric insufficiency as one of the causes of vomiting and regurgitation in young children] Nizovtsev RA. **Pediatriia** (11):34–6, Nov 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Role of pyloric reflux in experimental stress ulceration during haemorrhagic shock. Kivilaakso E, et al. **Eur Surg Res** 7(3):129–35, 1975

Proceedings Diaphragmatic and oesophageal electromyograms during regurgitation in sheep. Titchen DA. **J Physiol (Lond)** 258(1):35P–36P, Jun 76

SURGERY

Collis–Belsey reconstruction of the esophagogastric junction. Indications, physiology, and technical considerations. Orringer MB, et al. **J Thorac Cardiovasc Surg** 71(2):295–303, Feb 76

[Recent findings on the nature of the reflux syndrome and contribution to standardized surgical treatment] Rapant V. **Rozhl Chir** 55(3):150–9, Mar 76 **(Cze)**

[Surgical treatment of gastroesophageal reflux (hiatal hernia) in pediatric age] Pérez Fernández LF, et al. **Bol Med Hosp Infant Mex** 32(6):1195–206, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

THERAPY

Behavioral treatment of ruminations. A case study. Murray ME, et al. **Clin Pediatr (Phila)** 15(7):591–3, 595, Jul 76

REHABILITATION

see related
DISABILITY EVALUATION
HALFWAY HOUSES

Proceedings: The rehabilitation of disabled adolescents. Chigier E. **Acta Paediatr Scand [Suppl]** (256):65–6, 1975

The effects of a systematic physical fitness program on clients in a comprehensive rehabilitation center. Bolton B, et al. **Am Correct Ther J** 30(2):41–6, Mar–Apr 76

The economic benefits of early diagnosis and training for handicapped children. Francis GJ, et al. **Am Correct Ther J** 30(2):47–50, Mar–Apr 76

The corrective therapist and the handicapped driver. Freeman CC. **Am Correct Ther J** 29(4):138–42, Jul–Aug 75

The utilization of non-drug induced altered states of consciousness in borderline recidivists. Spear JE. **Am J Clin Hypn** 18(2):111–26, Oct 75

Trends in the care and prevention of developmental disabilities. Barnard K. **Am J Nurs** 75(10):1700–4, 1714, Oct 75

The occupational therapist on a geriatric rehabilitation team. Maloney CC. **Am J Occup Ther** 30(5):300–4, May–Jun 76

Telecommunications... service delivery for rehabilitation. Colligan L. **Am Rehabil** 1(2):8, Nov–Dec 75

NRA's future direction. Gehrke AW. **Am Rehabil** 1(1):22–3, Sep–Oct 75

The comprehensive needs study. Nau LY, et al. **Am Rehabil** 1(2):9–12, Nov–Dec 75

The rehabilitation engineering program. Traub JE, et al. **Am Rehabil** 1(2):3–7, Nov–Dec 75

Comprehensive needs study, part II. Turem J, et al. **Am Rehabil** 1(4):6–9, Mar–Apr 76

The National Rehabilitation Association: fifty years of progress. Whitten EB. **Am Rehabil** 1(1):20–2, Sep–Oct 75

Three receive Gold Key Awards. **Arch Phys Med Rehabil** 57(3):146–8, Mar 76

Professionalism in rehabilitation in the 1980's. Garrett JF. **Arch Phys Med Rehabil** 57(3):93–7, Mar 76

Functional status measurement and medical rehabilitation outcomes. Granger CV, et al. **Arch Phys Med Rehabil** 57(3):103–9, Mar 76

Longitudinal unobtrusive measurements in rehabilitation. Halstead LS. **Arch Phys Med Rehabil** 57(4):189–93, Apr 76

Oral health services: a Delphi technique estimation of their role in adult inpatient rehabilitation programs. Katz RV, et al. **Arch Phys Med Rehabil** 57(4):183–8, Apr 76

Group rehabilitation of vascular surgery patients. Lipp MR, et al. **Arch Phys Med Rehabil** 57(4):180–3, Apr 76

The state of the Academy: a progress report. Moskowitz E. **Arch Phys Med Rehabil** 57(2):47–9, Feb 76

A rehabilitation evaluation system which complements the problem-oriented medical record. Reinstein L, et al. **Arch Phys Med Rehabil** 56(9):396–9, Sep 75

Rehabilitation and engineering. Glanville HJ. **Biomed Eng** 10(8):297–9, 310, Aug 75

Advances in rehabilitation of stoma patients. Rowbotham JL. **Cancer** 36(2):702–4, Aug 75

Children with feeding problems. Miller CJ. **Child Care Health Dev** 2(2):73–6, Mar–Apr 76

The medical rehabilitation of outpatients. Sommerville JG. **Community Health (Bristol)** 6(5):257–61, Mar–Apr 75

Cancer communiqué. ENCORE—a new approach to rehabilitation. Whitney LW. **Del Med J** 47(9):507–8, Sep 75

A parent involvement program model for handicapped children and their parents. Flint W, et al. **Except Child** 41(8):556–7, May 75

What influence does age have on rehabilitation of amputees? Kerstein MD, et al. **Geriatrics** 30(12):67–71, Dec 75

Understanding the psychologic factors in rehabilitation. Steger HG. **Geriatrics** 31(5):68–73, May 76

Rehabilitation for the elderly: an eleven-year assessment. Kaplan J, et al. **Gerontologist** 15(5 PT 1):393–7, Oct 75

Perceptions toward the rehabilitation potential of institutionalized aged. Kosberg JI, et al. **Gerontologist** 15(5 PT 1):398–403, Oct 75

Habilitation in childhood. Mitchell RG. **Health Bull (Edinb)** 33(6):245–8, Nov 75

Psychiatric consultation to a rehabilitation program for amputees. Freeman AM 3d, et al. **Hosp Community Psychiatry** 27(1):40–2, Jan 76

A community approach to rehabilitation. pp. 164–78. Dennis HF.
In: Browning PL, ed. Rehabilitation and the retarded offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.

An overview of rehabilitation alternatives. pp. 122–41. Harbach RL.
In: Browning PL, ed. Rehabilitation and the retarded offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.

A regional and national network. Rehabilitation and the retarded offender. pp. 234–6. Justice RS.
In: Browning PL, ed. Rehabilitation and the retarded offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.

Proceedings of Puerto Rican conferences on human services. Meeting the mental health needs of the law offender. pp. 133–41. Robles IN.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish-Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

Rehabilitation of the severely disabled. Keynote address. pp. 5–10. Carmichael BE.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Nursing aspects of the program. pp. 187–90. Felts J.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Strategies for counseling the severely disabled. pp. 225–9. Graves WH.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Behavior change through self-control. A training model for helping the severely disabled. pp. 161–71. Haddle HW Jr.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The development of the Rehabilitation Acts of 1973 and 1974. pp. 11–20. Mills C.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Program implementation as it relates to the severely impaired. pp. 63–76. Reece OE.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Adjustment services for the severely disabled. pp. 141–8. Sax AB.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The role and function of the rehabilitation counselor serving the severely disabled. pp. 59–61. Smits SJ.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Serving the severely disabled. pp. 217–24. Tomlin WA.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Guideline interpretation. pp. 77–80. Williams WM.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The use of a registry case load survey in predicting trends in rehabilitative needs for the handicapped. Miller JR, et al. **J Ment Defic Res** 19(2):101–6, Jun 75

Rehabilitation consumerism confrontation or communication and cooperation? Adams AS. **J Rehabil** 42(1):23–5, 29, Jan–Feb 76

Homebound rehabilitation: preparing the way. Cohen M, et al. **J Rehabil** 41(5):31–4, Sep–Oct 75

Veteran's Administration: some current concerns. Cooperman IG. **J Rehabil** 42(1):22, 39–40, Jan–Feb 76

Is our service delivery management system credible? Ehrle RA, et al. **J Rehabil** 41(6):21–2, 41, Nov–Dec 75

NRA's spirit of '76. Gehrke AW. **J Rehabil** 42(1):2, Jan–Feb 76

Editorial: Institutional concepts bankrupt? Hall FR. **J Rehabil** 41(5):2, Sep–Oct 75

Status quo is certain death. Hightower MD. **J Rehabil** 42(2):32–5, 41, 43, Mar–Apr 76

Rehabilitation—the challenge—past and future. Mathias C Jr. **J Rehabil** 42(1):18–20, Jan–Feb 76

The state—federal program: a point of view. Pollard CO. **J Rehabil** 42(1):21, 36, Jan–Feb 76

Jennings Randolph: Bell Greve award recipient. Randolph J. **J Rehabil** 42(1):17, 41, Jan–Feb 76

The human service scale: a new measure for evaluation. Reagles KW, et al. **J Rehabil** 42(3):34–8, May–Jun 76

'Works' of the National Rehabilitation Association. Roupe DS. **J Rehabil** 41(6):2, Nov–Dec 75

Experimental rigor in rehabilitation research: fact or fantasy? Wehman P. **J Rehabil** 42(3):39, May–Jun 76

The mind: it's own place. Woodward HH Jr. **J Rehabil** 41(5):22–5, 38–9, Sep–Oct 75

Rehabilitation of the injured worker: medical responsibility. Cohen BS. **Md State Med J** 25(3):71–3, Mar 76

2. The data base for rehabilitation services. Spencer WA, et al. **Med Care** 14(5 Suppl):33–44, May 76

Multidisciplinary health teams. Burr M. **Med J Aust** 2(22):833–4, 29 Nov 75

Family focus—transitional health care. Shepard KF, et al. **Nurs Outlook** 23(9):574–7, Sep 75

A new place in the world. **Nurs Times** 72(34):suppl:25–8, 26 Aug 76

Resettlement officer. Lane K. **Nurs Times** 72(25):969–70, 24 Jun 76

Comments on rehabilitation in Africa and America. Mayes HJ. **Phys Ther** 55(12):1342–3, Dec 75

Anti-motivation. O'Gorman G. **Physiotherapy** 61(6):176–9, Jun 75

Bilateral amputees in North America. Van De Ven C. **Physiotherapy** 60(10):316–7, Oct 74

Rehabilitation of patients treated by dialysis or transplantation. Blagg CR, et al. **Proc Clin Dial Transplant Forum** 3:181–4, 1973

Some psychosocial aspects of rehabilitation and their implications in research. Nichols PJ. **Proc R Soc Med** 68(9):537–44, Sep 75

The handicapped child entering adolescence. Relation between education and medical rehabilitation in the school programme. Tyler AK. **Proc R Soc Med** 68(5):310–3, May 75

Current issues in rehabilitation research. Goldberg RT. **Rehabil Lit** 37(3):66–70, Mar 76

A follow-up study of former student-patients at the Crippled Children's Hospital and School, Sioux Falls, South Dakota. Vogel HD. **Rehabil Lit** 36(9):270–3, Sep 75

Studies on the relation between impairment, disability and dependency. Harlem G. **Scand J Rehabil Med** (4 Suppl):1–119, 1976

Midical rehabilitation: Policy-making in the English health service. Lee RH. **Soc Sci Med** 9(6):325–32, Jun 75

Disability prevention and rehabilitation. **WHO Chron** 30(8):324–8, Aug 76

[A new psychoanaleptic agent in neurologic, cardiovascular and orthopedic rehabilitation. Double blind controlled study with placebo] Bourret J, et al. **Nouv Presse Med** 5(14):924–5, 3 Apr 76 **(Fre)**

[Letter: Immobilization syndrome] Grumbach R, et al. **Nouv Presse Med** 5(26):1649, 26 Jun 76 **(Fre)**

[Rehabilitation of the elderly patient] Jobin D. **Union Med Can** 105(5):720–1, May 76 **(Fre)**

[Contribution of the psychologist to the humanization of the hospital stay of physically handicapped children] Mongeon M, et al. **Union Med Can** 104(9):1407–12, Sep 75 (Eng. Abstr.) **(Fre)**

[Epidemiological evaluation of rehabilitation of the physically handicapped] Susset V, et al. **Union Med Can** 105(5):722–8, May 76 (Eng. Abstr.) **(Fre)**

[Double amputations of the lower limbs—clinical aspects and problems of rehabilitation] Krieghoff R, et al. **Beitr Orthop Traumatol** 23(1):34–9, Jan 76 **(Ger)**

[Outpatient clinic for amputees] Wollen G. **Beitr Orthop Traumatol** 23(1):45–6, Jan 76 **(Ger)**

[Position of psychotherapy in the rehabilitation of the sick and invalid] pp 29–31. Kabanov MM.
In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p. **(Ger)**

[Effective care of handicapped children (author's transl)] Köttgen U. **Oeff Gesundheitswes** 37(6):306–10, Jun 75 **(Ger)**

[Progress in the rehabilitation of the disabled (author's transl)] Matthiass HH. **Oeff Gesundheitswes** 37(9):524–38, Sep 75 (Eng. Abstr.) **(Ger)**

[Studies on therapeutic problems in spa treatment (author's transl)] Blohmke M, et al. **Rehabilitation (Stuttg)** 13(2):79–87, May 74 (Eng. Abstr.) **(Ger)**

[Statistical data on rehabilitation measures. methods and results of a new federal statistics report (author's transl)] Christian W. **Rehabilitation (Stuttg)** 15(2):84–90, May 76 (Eng. Abstr.) **(Ger)**

[Rehabilitation measures and their effectiveness in the light of empirical research findings, part 2 (author's transl)] Specht K, et al. **Rehabilitation (Stuttg)** 13(2):88–95, May 74 (Eng. Abstr.) **(Ger)**

[Different types of training and re-training for the acquisition of psychomotor skills (author's transl)] Ulich E. **Rehabilitation (Stuttg)** 13(2):105–10, May 74 (Eng. Abstr.) **(Ger)**

[The disabled person: psychological theories as the basis of rehabilitation measures (author's transl)] Wellhöfer PR. **Rehabilitation (Stuttg)** 13(3):163–71, Aug 74 (Eng. Abstr.) **(Ger)**

[What should it be: a cure?] Halhuber M. **Z Allgemeinmed** 51(30):1378–31, 31 Oct 75 **(Ger)**

[Rehabilitation from the viewpoint of the general practicioner] Mahr GG. **Z Allgemeinmed** 51(13):610–5, 10 May 75 **(Ger)**

[Gerohygienic aspects of early and late rehabilitation] Eitner S. **Z Alternsforsch** 30(3):213–8, 1975 **(Ger)**

[Geriatric rehabilitation as a task and problem] Siggelkow H. **Z Alternsforsch** 30(3):209–11, 1975 **(Ger)**

[General requirements for the development of rehabilitation and international reserves] Acton N. **Z Gesamte Hyg** 20(11):812–6, Nov 74 (Eng. Abstr.) **(Ger)**

[Rehabilitation of the disabled in the U.S.S.R] Jumaschev GS, et al. **Z Gesamte Hyg** 21(4):262–79, Apr 75 (Eng. Abstr.) **(Ger)**

[Rehabilitation of aged people with special reference to the locomotor system] Siggelkow H. **Z Gesamte Hyg** 21(9):714–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Various types of sports for the handicapped and their suitability for the disabled] Kosel H. **Z Orthop** 113(4):599–605, Aug 75 **(Ger)**

[Rehabilitative aspects in the amputation of the lower extremities] Koch I, et al. **Zentralbl Chir** 100(17):1025–31, 1975 **(Ger)**

[Prison of Castelfranco Emilia (Modena). Criminology service for the observation and treatment of prisoners. Case B/2] De Fazio F, et al. **Quad Criminol Clin** 17(3):421–4, Jul–Sep 75 **(Ita)**

[Physician's expectation on rehabilitation technology] Kakurai S. **Jpn J Med Electron** 12(5):309–17, Oct 74 **(Jpn)**

[Mathematical evaluation of rehabilitation programs] Rozova NK, et al. **Kardiologiia** 15(9):77–83, Sep 75 **(Rus)**

[Urgent problems of rehabilitation and industrial medical expertise] Belov VP, et al. **Sov Zdravookhr** (7):25–9, 1975 (Eng. Abstr.) **(Rus)**

[Method of economic evaluation of disability and the rehabilitation of invalids] Grinval'd IM, et al. **Sov Zdravookhr** (6):19–23, 1975 (Eng. Abstr.) **(Rus)**

[Importance of the sanatorium–health resort stage of treatment in the system of medical rehabilitation of patients] Rybinskaia MG. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):487–9, Nov–Dec 75 **(Rus)**

[Health resort and physical therapy factors in the rehabilitation of patients with the most frequently encountered diseases] Tsarfis PG. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):481–7, Nov–Dec 75 **(Rus)**

[Role of natural environment in complex rehabilitation factors at health resorts] Panchenko DI, et al. **Vrach Delo** (7):1–5, Jul 75 **(Rus)**

[Organization of physical-medicine and rehabilitation services in Bosnia and Hercegovina] Ciglar M. **Med Arh** 29(5):461–3, Sep–Oct 75 **(Ser)**

[Editorial: Integral rehabilitation of the patient] Sánchez Cabrera R. **Prensa Med Mex** 40(9–10):267, Sep–Oct 75 **(Spa)**

[What about the future] Brattgard SO, et al. **Lakartidningen** 73(20):1937–8, 1976 **(Swe)**

[Coordination of occupational and hospital-centered rehabilitation] Eriksson G, et al. **Lakartidningen** 73(20):1924–5, 1976 **(Swe)**

[Working tasks and organization in rehabilitation medicine] Fällström CE. **Lakartidningen** 73(20):1926–9, 1976 **(Swe)**

[Motivation—neuropsychological views] Höök O. **Lakartidningen** 73(20):1920–4, 1976 **(Swe)**

[Rehabilitation—a chance to help man to live in spite of handicap] Rennerstedt B. **Lakartidningen** 73(20):1931–3, 1976 **(Swe)**

[Rehabilitation in health care—theory and practice] Hannus A. **Nord Med** 91(3):88–90, Mar 76 (Eng. Abstr.) **(Swe)**

[Law became vitamin injection for research in rehabilitation and health control] Karlsson Y. **Nord Med** 91(6–7–1):185–8, Jun 76 **(Swe)**

EDUCATION

Proceedings: Professional acculturation as an issue for training. Cantor JM. **Am J Drug Alcohol Abuse** 3(1):193–9, 1976

Geriatric rehabilitation course for non-therapists. Travis JA, et al. **Am J Occup Ther** 30(5):316–7, May–Jun 76

Medical education: a required clerkship in rehabilitation and chronic disease. Gibson CJ. **Arch Phys Med Rehabil** 56(11):474–8, Nov 75

Student and trainee attitudes on aging. Burdman GD. **Gerontologist** 14(1):65–8, Feb 74

Teaching of rehabilitation and prevention of disability. pp. 63–70. Dacso MM.
In: Clark DW, Williams TF, ed. Teaching of chronic illness and aging. Bethesda, NIH, 1976. W1 FO116 v.2 1973.

RRCEP (Regional Rehabilitation Continuing Education Program) directors discuss continuing education. **J Rehabil** 41(6):23–5, 30, 41 passim, Nov–Dec 75

Partners in placement. Cogan FJ, et al. **J Rehabil** 41(6):34–5, 44, Nov–Dec 75

Dual counselor-teacher model accommodates student-state agency need. Miller JH, et al. **J Rehabil** 41(5):15–8, 40, 42, Sep–Oct 75

Symposium on teaching rheumatology and rehabilitation. 1. Objectives. Glanville HJ. **Rheumatol Rehabil** 15(1):35–7, Feb 76

Teaching Rheumatology and Rehabilitation. 4. Objectives in undergraduate training. Wood PH. **Rheumatol Rehabil** 15(1):43–4, Feb 76

[Curriculum of the state diploma for audioprosthesists] Morgon A. **Ann Otolaryngol Chir Cervicofac** 92(10–11):629–32, Oct–Nov 75 **(Fre)**

[Rehabilitation medicine. Knowledge content and coordination problem] Höök O, et al. **Lakartidningen** 73(20):1912–9, 1976 **(Swe)**

[Why not rehabilitation medicine?] Ottoson LG. **Lakartidningen** 73(20):1909–11, 1976 **(Swe)**

HISTORY

Physiatry: physical medicine and rehabilitation. past, present, and future. Ruskin AP. **NY State J Med** 76(8):1355–9, Aug 76

[30-years of sport medicine and rehabilitation] Máček M. **Cesk Pediatr** 31(2):88, Feb 76 **(Cze)**

INSTRUMENTATION

Electronic training devices for hand rehabilitation. Morris AF, et al. **Am J Occup Ther** 30(6):376–9, Jul 76

A miniaturized load cell for lower extremity amputees. Moore AJ, et al. **Arch Phys Med Rehabil** 57(6):294–6, Jun 76

Rehabilitation engineering: new hope for the permanently disabled. Selwyn D. **J Am Soc Psychosom Dent Med** 22(4):114–28, 1975

[Portable rehabilitation microdevice] Ol'khovskiĭ AM. **Zh Ushn Nos Gorl Bolezn** (3):101, May–Jun 75 **(Rus)**

METHODS

Social skills training with the newly handicapped. Romano MD. **Arch Phys Med Rehabil** 57(6):302–3, Jun 76

Training procedures and biofeedback methods to achieve controlled partial weight bearing: an assessment. Warren CG, et al. **Arch Phys Med Rehabil** 56(10):449–55, Oct 75

Age changes in the neuro-muscular system and aspects of rehabilitation medicine. pp. 42–61. Gutmann E.
In: Buerger AA, Tobis JS, ed. Neurophysiologic aspects of rehabilitation medicine. Springfield, Ill., Thomas, 1976. WL 102 I615n 1974. (98 ref.)

Comments on rehabilitation in Japan. Breuer JM. **Phys Ther** 56(5):564–6, May 76

[The rehabilitation of aged patients from a surgical viewpoint] Bärlehner E, et al. **Z Alternsforsch** 30(3):255–62, 1975 **(Ger)**

[Clinico–psychological aspects of the rehabilitation of older citizens] Noack M. **Z Alternsforsch** 30(3):233–5, 1975 **(Ger)**

[Geriatric rehabilitation under stationary conditions] Rühland W, et al. **Z Alternsforsch** 30(3):227–32, 1975 **(Ger)**

NURSING

Expanding the role of nurses in rehabilitation. Hackler ES. **Geriatrics** 31(5):77–9, May 76

Nursing students in a nursing home. Rocereto LR. **Nurs Outlook** 23(11):702–3, Nov 75

STANDARDS

Rehabilitation of the severely disabled. Rehabilitation counselor certification. pp. 47–58. Hansen CE.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Counselor certification. pp. 21–7. Jenkins WM.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Standards facilitate accountable service delivery. Crumpton AD. **J Rehabil** 42(2):26, Mar–Apr 76

REHABILITATION CENTERS

Proceedings: Combined tertiary prevention: the existence and treatment together of the addiction/mental health interface. Sobel BS. **Am J Drug Alcohol Abuse** 3(1):145–54, 1976

Editorial: Where nurses have autonomy and patients have authority. Schorr TM. **Am J Nurs** 76(2):219, Feb 76

Programs, II: The day hospital at the Burke Rehabilitation Center. Williams R, et al. **Am J Occup Ther** 30(5):293, May–Jun 76

Rehabilitation: the way it is at the Home for Crippled Children. Bisdee CH. **Hospitals** 49(20):83–6, 16 Oct 75

The Fair Labor Standards Act and wage payments as related to the handicapped in the Tennessee vocational training centers. pp. 149–60. Wright WR.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Nutrition rehabilitation centre, S.S.G. Hospital, Baroda—a report of one year's experience (1970). Chikermane AS, et al. **Indian Pediatr** 12(1):89–93, Jan 75

Pediatric rehabilitation: problems, scope, planning and organisation. Gujral VV, et al. **Indian Pediatr** 12(3):239–46, Mar 75

A formative evaluation of a residential drug treatment center. Katz SJ, et al. **Int J Addict** 10(4):643–57, 1975

Rehabilitation's great partnership. Peters JS 2d, et al. **J Rehabil** 42(3):24–7, 40, May–Jun 76

Letter: Whither the chronic disease hospital? Lee MH. **JAMA** 235(11):1107–8, 15 Mar 76

Rehabilitation and day care—another alternative. Cohen MG, et al. **Md State Med J** 24(11):71–3, Nov 75

Nutrition rehabilitation in Lusaka. Waterston T. **Med J Zambia** 9(6):163–5, Dec 75–Jan 76

The National Paraplegic Centre at Toledo: its organisation and its function. Forner JV. **Paraplegia** 14(1):66–70, May 76

Medical social work in the 'Centro Nacional de Paraplejicos', Toledo, Spain. Mendoza-Sarmiento J, et al. **Paraplegia** 14(1):71–3, May 76

Juvenile crime. The initiative of voluntary organization: Hammersmith Teenage Project – an example. Whitlam M. **R Soc Health J** 96(1):17–8, 38, Feb 76

Psychiatric rehabilitation. Dincin J. **Schizophrenia Bull** (13):131–47, Summer 75

[CRIT: center for social rehabilitation and professional integration] Aflalo M, et al. **Acta Psychiatr Belg** 74(6):630–41, Nov 74 (Eng. Abstr.) **(Fre)**

[The Abbey: disqualified neutrality] Orsel CM, et al. **Psychiatr Enfant** 18(2):477–524, 1975 **(Fre)**

[Review of the activities of the Swedish Institute for Handicapped] Montan K. **Z Gesamte Hyg** 20(11):817–20, Nov 74 (Eng. Abstr.) **(Ger)**

[Valve of the rehabilitation department in the restoration of the work capacity of patients with myocardial infarct] Zhuravleva SA, et al. **Sov Zdravookhr** (6):24–7, 1975 (Eng. Abstr.) **(Rus)**

STANDARDS

A facility looks at CARF. Barres NO. **J Rehabil** 42(2):25, Mar–Apr 76

Standards facilitate accountable service delivery. Crumpton AD. **J Rehabil** 42(2):26, Mar–Apr 76

The Commission on Accreditation of Rehabilitation Facilities—a state agency perspective. Etling TD. **J Rehabil** 42(2):23–4, Mar–Apr 76

Editorial: NRA endorses program evaluation. Hudson GM, et al. **J Rehabil** 42(2):2, Mar–Apr 76

The Vocational Evaluation and Work Adjustment Association and the Commission on Accreditation of Rehabilitation Facilities work jointly to set standards. Sax A, et al. **J Rehabil** 42(2):27, 40, Mar–Apr 76

The Commission on Accreditation of Rehabilitation Facilities—an interview with Alan Toppel. Toppel A. **J Rehabil** 42(2):19–22, Mar–Apr 76

REHABILITATION, VOCATIONAL

see related
EMPLOYMENT
SHELTERED WORKSHOPS

Time and money for vocational rehabilitation of clients with mild, moderate, and severe mental retardation. Walls RT, et al. **Am J Ment Defic** 80(6):595–601, May 76

Performance in occupational therapy as a predictor of successful prevocational training. Chueh W, et al. **Am J Occup Ther** 30(8):481–6, Sep 76

Behavioral skills for employment of the intellectually handicapped. Goldman LE. **Am J Occup Ther** 29(9):539–46, Oct 75

The psychiatric patient at work. Robbins DB, et al. **Am J Public Health** 66(7):655–9, Jul 76

Growing. Brubeck T. **Am Rehabil** 1(2):26–9, Nov–Dec 75

Twenty ways to open a door. Brubeck T. **Am Rehabil** 1(4):23–5, Mar–Apr 76

Handicapped migratory workers: harvest of plenty, harvest of tears. Church R. **Am Rehabil** 1(1):6–10, Sep–Oct 75

Ombudsman in vocational rehabilitation process. Cole LB. **Am Rehabil** 1(3):18–20, Jan–Feb 75

Issues in benefit–cost analyses of the vocational rehabilitation program. Conley RW. **Am Rehabil** 1(2):19–23, Nov–Dec 75

A rebel with a cause. Dunn JH, et al. **Am Rehabil** 1(2):13–7, Nov–Dec 75

Vocational rehabilitation and end-stage renal disease. Fenton J, et al. **Am Rehabil** 1(1):14–7, Sep–Oct 75

Career development for severely disabled. Gerard P. **Am Rehabil** 1(1):25–9, Sep–Oct 75

Mike's hike for the blind. Krane A. **Am Rehabil** 1(2):24–5, Nov–Dec 75

Physical, mental problems in kidney disease clients. Lloyd K, et al. **Am Rehabil** 1(3):26–30, Jan–Feb 75

Orientation to deafness for general counselors. Purvis JR, et al. **Am Rehabil** 1(1):30–1, Sep–Oct 75

The community college system: a resource for rehabilitation. Shworles TR. **Am Rehabil** 1(3):8–12, Jan–Feb 75

Considerations in using global need estimates for planning rehab services. Struthers RD. **Am Rehabil** 1(3):3–6, Jan–Feb 75

Vocational diagnosis through assessment of functional limitations. Crewe NM, et al. **Arch Phys Med Rehabil** 56(12):513–6, Dec 75

Health care utilization by persons with chronic disabilities who have been vocationally rehabilitated. Zelle' JA, et al. **Arch Phys Med Rehabil** 57(6):282–90, Jun 76

A job rating scale for use in psychiatric rehabilitation. Philip AE, et al. **Br J Psychiatry** 128:462–6, May 76

A vocational rehabilitation project for tuberculosis patients in Bangladesh. Giasuddin MD. **Bull Int Union Tuberc** 49 suppl 1:292–3, Aug 74

Employment Medical Advisory Service. Neild FG. **Community Health (Bristol)** 6(5):279–85, Mar–Apr 75

Training the mildly mentally handicapped worker. Nettelbeck T, et al. **Ergonomics** 18(5):517–22, Sep 75

Sex role stereotyping in special education: a look at secondary work study programs. Cegelka PT. **Except Child** 42(6):323–8, Mar 76

Programs for patient-workers: approaches, problems in four institutions. **Hosp Community Psychiatry** 27(2):93–8, Feb 76

A new approach to work programs in the VA. **Hosp Community Psychiatry** 27(2):110–1, Feb 76

Souder v. Brennan: impact in the courts. Armstrong B. **Hosp Community Psychiatry** 27(2):106–10, Feb 76

Patient-worker regulations: revisions on the way. Clayton T. **Hosp Community Psychiatry** 27(2):103–6, Feb 76

Work: the patients' view. Egan LJ. **Hosp Community Psychiatry** 27(2):102, Feb 76

Expanding a sheltered workshop to replace nonpaying patient jobs. Schwartz DB. **Hosp Community Psychiatry** 27(2):98–101, Feb 76

The case for a flexible, long-term sheltered workshop for psychiatric patients. Wilder JF.
Hosp Community Psychiatry 27(2):112-6, Feb 76

A group employment program for rehabilitating clients with severe emotional disabilities. Zook J, et al.
Hosp Community Psychiatry 27(2):81, 7, Feb 76

Meeting the rehabilitation needs of the older American. pp. 118-29. Cull JG, et al.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

Vocational evaluation of the severely disabled. pp. 123-7. Couch RH.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Data processing. pp. 81-8. Fanning MH.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The Vocational Evaluation and Work Adjustment Association, present and future. pp. 133-40. Gaines T.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The use of extended evaluation in serving the severely disabled. pp. 195-6. Hughes D.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Individualized written programs. pp. 29-35. McLelland SW.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Placement of the severely disabled. pp. 37-46. Morgan CA.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The Fair Labor Standards Act and wage payments as related to the handicapped in the Tennessee vocational training centers. pp. 149-60. Wright WR.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Enabling groups. pp 281-4.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975. (14 ref.)

Self-recording in training girls to increase work and evoke staff praise in an institution for offenders. Seymour FW, et al. **J Appl Behav Anal** 9(1):41-54, Spring 76

The differential impact of work-oriented vs. communication-oriented juvenile correction programs upon recidivism rates in delinquent males. Maskin MB.
J Clin Psychol 32(2):432-3, Apr 76

The rehabilitation counselor. McEver ML.
J Fla Med Assoc 62(10):47-50, Oct 75

Letter: Returning employees to work. Somsky PJ.
J Occup Med 17(7):413, Jul 75

Affirmative action--a tool for linking rehabilitation and the business community. Akabas SH. **J Rehabil** 42(3):20-3, 42, May-Jun 76

Partners in placement. Cogan FJ, et al. **J Rehabil** 41(6):34-5, 44, Nov-Dec 75

Confrontation enhances objectives in state agency unit. Fitch HG. **J Rehabil** 41(6):31-3, 42, Nov-Dec 75

Data processing--a vocation for severely handicapped persons. Knorr KH, et al. **J Rehabil** 41(6):26-9, Nov-Dec 75

Model for placement--job laboratory approach. Mallik K, et al. **J Rehabil** 41(6):14-20, 41, Nov-Dec 75

Dual counselor-teacher model accommodates student-state agency need. Miller JH, et al. **J Rehabil** 41(5):15-8, 40, 42, Sep-Oct 75

Rehabilitation's great partnership. Peters JS 2d, et al.
J Rehabil 42(3):24-7, 40, May-Jun 76

Lighting the road back. Sherman RL. **J Rehabil** 41(5):41-2, Sep-Oct 75

Breaking the competitive employment barrier for blind people. Wacker CH. **J Rehabil** 42(3):28-31, 40, May-Jun 76

Editorial: Affirmative action--do we have it? Williams CL.
J Rehabil 42(3):2, May-Jun 76

State rehabilitation services for the adult offender: a survey. Zivan M. **J Rehabil** 41(5):27-30, 40, Sep-Oct 75

Job training placement for retarded youth: a survey. Becker RL. **Ment Retard** 14(3):7-11, Jun 76

An economical approach to the development of a training program for porters. Tomasulo DJ. **Ment Retard** 14(3):12-3, Jun 76

Resettlement officer. Lane K. **Nurs Times** 72(25):969-70, 24 Jun 76

Returning to work - another stage of recovery and growth for the MI patient. Bowar-Ferres S.
Occup Health Nurs (NY) 23(11):18-25, Nov 75

Affirmative action for handicapped workers--what the occupational health nurse should know. Finn BA.
Occup Health Nurs (NY) 24(9):22-5, Sep 76

Social and working conditions of our paraplegics. Forner JV, et al. **Paraplegia** 14(1):74-80, May 76

Non-institutional resettlement of the young chronic sick. Carey A. **Physiotherapy** 60(12):377-9, Dec 74

Employment of disabled people. Obe MG. **Physiotherapy** 60(8):232-5, Aug 74

Occupational rehabilitation, day centers, and workshops. Black BS. **Psychiatr Q** 48(4):549-57, 1974

Occupational rehabilitation, day centers and workshops. van Londen J. **Psychiatr Q** 48(4):543-8, 1974

Use of heroin addiction scale to differentiate addicts from rehabilitation clients. Kwant F, et al. **Psychol Rep** 38(2):547-53, Apr 76

An exploratory study of correlates of success in a vocational training program for ex-addicts. Lester D, et al.
Psychol Rep 37(3 PT 2):1212-4, Dec 75

Industrial therapy: a study of success rates over an eight-year period. Barkley AL, et al. **Rehabil Lit** 37(5):130-9, 144, May 76

Where do I go from here? The involvement of vocational rehabilitation and occupational education with the learning disabled in North Carolina. Black TJ. **Rehabil Lit** 37(6):168-71, Jun 76

An evaluation of vocational placement success at a comprehensive rehabilitation center. Richardson N, et al. **Rehabil Lit** 37(8):237-41, Aug 76

Toward a placement system empirically established through criterion-group method: self-employment for the severely handicapped. Tseng MS, et al. **Rehabil Lit** 37(5):140-4, May 76

The placement process in the rehabilitation of the severely handicapped. Usdane WM. **Rehabil Lit** 37(6):162-7, Jun 76

Vocational training of the severely retarded: expectations and potential. Wehman P. **Rehabil Lit** 37(8):233-6,256, Aug 76

Toward a social skills curriculum for developmentally disabled clients in vocational settings. Wehman PH.
Rehabil Lit 36(11):342-8, Nov 75

The relationship between some psychological factors and the outcome of medical rehabilitation. Andersson K, et al.
Scand J Rehabil Med 7(4):166-70, 1975

Occupational resettlement in aphasia. Hatfield FM, et al.
Scand J Rehabil Med 7(2):57-60, 1975

The influence of psychological factors and an early hospital follow-up on return to work after first myocardial infarction. Kushnir B, et al. **Scand J Rehabil Med** 7(4):158-62, 1975

Socio-economic consequences. Allander E, et al.
Scand J Rheumatol [Suppl] (12 suppl):120-1, 1975

Experimenting with Trident. Holland P, et al.
Spec Educ Forward Trends 2(4):21-2, Dec 75

Orientated towards work. Hutchinson D, et al.
Spec Educ Forward Trends 2(1):22-5, Mar 75

[Rehabilitation and medical assessment of work capacity] Vrbík J. **Cesk Zdrav** 24(3):114-8, Mar 76 (Eng. Abstr.) **(Cze)**

[Training and occupations in persons who had asthma in childhood] Ryssing E. **Ugeskr Laeger** 137(47):2799-2805, 17 Nov 75 (Eng. Abstr.) **(Dan)**

[There is nobility in labor] Jpongkees LB.
Ned Tijdschr Geneeskd 119(37):1397-9, 13 Sep 75 **(Dut)**

[Social assistance to the laryngectomized. Concerning a survey of 150 operated persons] Van De Calseyde P, et al. **Acta Otorhinolaryngol Belg** 29(4):696-714, 1975 (Eng. Abstr.) **(Fre)**

[CRIT: center for social rehabilitation and professional integration] Aflalo M, et al. **Acta Psychiatr Belg** 74(6):630-41, Nov 74 (Eng. Abstr.) **(Fre)**

[Practical possibilities of readaptation and occupational rehabilitation for the persons suffering from breathlessness. Long-term results (author's transl)] Casula D, et al.
Acta Tuberc Pneumol Belg 66(3):222-44, May-Jun 75 (Eng. Abstr.) **(Fre)**

[Socio-professional rehabilitation of 113 patients under chronic hemodialysis treatment in Lorraine] Huriet C, et al. **J Urol Nephrol (Paris)** 81(4-5):339-44, Apr-May 75 **(Fre)**

[The accident-injured foot in occupational life] Höhndorf H. **Beitr Orthop Traumatol** 22(2):104-6, Feb 75 **(Ger)**

[Vocational rehabilitation of patients with macular disorders] Pape R. **Ber Dtsch Ophthalmol Ges** (73):601-3, 1975 **(Ger)**

[Problems of occupational therapy and vocational rehabilitation in psychiatry] Baumann P, et al.
Psychiatr Neurol Med Psychol (Leipz) 28(4):219-25, Apr 76 (Eng. Abstr.) **(Ger)**

[Brachial plexus injuries caused by motor-cycle accidents-catamneses (author's transl)] Fasshauer K, et al.
Rehabilitation (Stuttg) 15(2):103-7, May 76 (Eng. Abstr.) **(Ger)**

[Problems of occupational paedagogy in rehabilitation (author's transl)] Treier P. **Rehabilitation (Stuttg)** 15(2):71-83, May 76 (Eng. Abstr.) **(Ger)**

[Tasks of the psychologist in rehabilitation (a recommendation)] Katzenstein, Presber.
Z Aerztl Fortbild (Jena) 69(24):1299-300, 15 Dec 75 **(Ger)**

[Recommendations of international organizations and international agencies on the problems of vocational rehabilitation] Springer E. **Z Gesamte Hyg** 21(5):438-43, May 75 (Eng. Abstr.) **(Ger)**

[Sheltered work in the U.S.S.R] Walther J.
Z Gesamte Hyg 21(4):351-4, Apr 75 **(Ger)**

[Social rehabilitation in Integrated Health Service complexes] Buraczewski O, et al. **Pol Tyg Lek** 31(29):1267-70, 19 Jul 76 **(Pol)**

[Occupational rehabilitation of patients with tuberculosis after lung resection] Bunin OG, et al. **Probl Tuberk** (8):7-10, 1975 (Eng. Abstr.) **(Rus)**

[Vocational rehabilitation of patients with post-traumatic cataract] Nugaeva FZ. **Vestn Oftalmol** (1):25-7, 1976 (Eng. Abstr.) **(Rus)**

[Vocational rehabilitation of patients with bronchopulmonary diseases working at the plants of the machine-building and metallurgic industry] Zaitsev VP, et al. **Vrach Delo** (12):63-8, Dec 75 (Eng. Abstr.) **(Rus)**

[Certain problems of stage-by-stage medical and vocational rehabilitation of workers of the V.I. Lenin metallurgic plant] Mel'nikov VK, et al. **Zdravookhr Ross Fed** (5):30-2, May 76 **(Rus)**

[Occupational evaluation and rehabilitation of psychiatric patients] Vasić U. **Nar Zdrav** 30(9-10):224-9, Sep-Oct 74 **(Ser)**

[Coordination of occupational and hospital-centered rehabilitation] Eriksson G, et al. **Lakartidningen** 73(20):1924-5, 1976 **(Swe)**

[Working tasks and organization in rehabilitation medicine] Fälström CE. **Lakartidningen** 73(20):1926-9, 1976 **(Swe)**

METHODS

Voice terminal may offer opportunities for employment to the disabled. Glenn JW, et al. **Am J Occup Ther** 30(5):309-12, May-Jun 76

Business and rehab: new partners. Puleo CV, et al.
Am Rehabil 1(4):11-3, Mar-Apr 76

STANDARDS

The Vocational Evaluation and Work Adjustment Association. pp. 129-32. Couch RH.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The Commission on Accreditation of Rehabilitation Facilities--a state agency perspective. Etling TD.
J Rehabil 42(2):23-4, Mar-Apr 76

The Vocational Evaluation and Work Adjustment Association and the Commission on Accreditation of Rehabilitation Facilities work jointly to set standards. Sax A, et al. **J Rehabil** 42(2):27, 40, Mar-Apr 76

REIMPLANTATION

Continuous measurement of arterial PO2, PCO2 and pH during autotransplantation of canine hearts. Jacobsen E, et al. **Acta Anaesthesiol Scand** 19(4):265-76, 1975

Dynamics of the skin temperature asymmetry and its prognostic value during the first day after replantation of extremities. Uratkov EF, et al. **Acta Chir Plast (Praha)** 17(4):219-30, 1975

[Long term nerve function in replantation surgery of the hand and digits (author's transl)] Morrison WA, et al.
Ann Chir 29(11):1041-5, Nov 75 (Eng. Abstr.) **(Eng, Fre)**

Editorial: Replantation of severed limbs. **Br Med J** 3(5986):722, 27 Sep 75

Guanethidine sympathetic blockade: its value in reimplantation surgery. Davies KH. **Br Med J** 1(6014):876-7, 10 Apr 76

A nursing challenge: replantation of a severed arm. Geyer B. **Can Nurse** 72(4):19-22, Apr 76

Replantation of severed limbs. Analysis of 40 cases.
Chin Med J 1(4).265-74, Jul 75

Replantation of severed fingers. Clinical experiences in 217 cases involving 373 severed fingers. **Chin Med J [Engl]** 1(3):184-96, May 75

Hyperbaric oxygen therapy in replantation of severed limbs. A report of 21 cases. **Chin Med J [Engl]** 1(3):197-204, May 75

Renal autotransplantation for the treatment of renovascular hypertension in a child. A case report. Robicsek F, et al.
Coll Works Cardiopulm Dis 20:111-4, Dec 75

Late repair of bronchial rupture in a child by bronchial replantation. Danis RK, et al. **J Pediatr Surg** 11(2):235-8, Apr 76

Replantation of the severed ear. Lehman JA Jr, et al.
J Trauma 15(10):929-30, Oct 75

External stabilization of a replanted upper extremity: case report. Weiland A, et al. **J Trauma** 16(3):239-41, Mar 76

Temporary external shunt bypass in the traumatically amputated upper extremity. Weinstein MH, et al.
J Trauma 15(10):912-5, Oct 75

Surgical correction of vesicoureteral reflux in children with neurogenic bladder. Jeffs RD, et al. **J Urol** 115(4):449-51, Apr 76

Unusual complications of transvesical ureteral reimplantation. Tocci PE, et al. **J Urol** 115(6):731-5, Jun 76

Treatment of extensive renal calculi with extracorporeal surgery and autotransplantation. Andersen OS, et al.
Urology 7(5):465-9, May 76

Reanastomosis of completely transected penis in canine. Review of current concepts. Raney AM, et al. **Urology** 6(6):735-7, Dec 75

[Reimplantation of fingers (author's transl)] Boeckx W, et al. **Acta Chir Belg** 74(5):521-30, Sep 75 **(Dut)**

[Two cases of reimplantation of the upper limb (author's transl)] Livio JJ, et al. **Ann Chir** 29(11):1037-40, Nov 75 (Eng. Abstr.) **(Fre)**

[Giant renal artery aneurysm of a solitary kidney. Repair by extracorporeal surgery followed by autotransplantation. Recovery with 1-year follow-up] Archimbaud JP, et al.
Chirurgie 101(6):408-14, 30 Apr-7 May 75 (Eng. Abstr.)

(Fre)
[Lesions of the ureter due to bullet wound. Means of exploration and management] Sarramon JP, et al. **J Urol Nephrol (Paris)** 81(1-2):144-9, Jan-Feb 75 (Fre)
[Reimplantation of the anterior tibial artery] Pissanciel G, et al. **Nouv Presse Med** 3(41-43):2556, 30 Nov-14 Dec 74 (Fre)
[Successful reimplantation of a completely separated thumb (author's transl)] Biemer E, et al. **Munch Med Wochenschr** 118(22):711-12, 28 May 76 (Eng. Abstr.) (Ger)
[The position of lung transplantation in experiment and in clinical medicine] Bücherl ES. **Zentralbl Chir** 100(16):974-9, 1975 (Ger)
[Successfull reimplantation of a forearm in a 16-year-old girl] Zyszczak M. **Zentralbl Chir** 101(6):365-9, 1976 (Ger)
[Reimplantation of partially amputated fingers] Ben-Hur N, et al. **Harefuah** 90(1):4-6, 1 Jan 76 (Eng. Abstr.) (Heb)
[Reimplantation of the gallbladder. Indications and results] Milani R, et al. **Minerva Chir** 30(6):306-10, 31 Mar 75 (Eng. Abstr.) (Ita)
[Subcutaneous preservation of free skull bone flap taken out in decompressive craniectomy (author's transl)] Nakajima T, et al. **Neurol Surg (Tokyo)** 3(11):925-7, 10 Nov 75 (Eng. Abstr.) (Jpn)
[Autotransplantation of an avulsed eyeball] Majewska K, et al. **Klin Oczna** 46(2):221-2, Feb 76 (Eng. Abstr.) (Pol)
[The dynamics of morphofunctional changes in the microcirculation of the pelvic extremity after modeling the chief stages of its replantation] Simagin EI, et al. **Arkh Anat Gistol Embriol** 69(7):56-63, Jun 75 (Eng. Abstr.) (Rus)
[Hand replantation after incomplete traumatic amputation] Gromov MV, et al. **Khirurgiia (Mosk)** (4):129-30, Apr 75 (Rus)
[Replantation of the extremity using hyperbaric oxygenation] Grigor'ev SG. **Ortop Travmatol Protez** (7):40-3, Jul 75 (Eng. Abstr.) (Rus)
[Status of the problem of replantation of the extremities and the prospects for its resolution] Kovanov VV, et al. **Vestn Akad Med Nauk SSSR** (7):12-20, 1975 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Postoperative nephrogenic adenoma of bladder. Leonard SA, et al. **Urology** 7(3):327-8, Mar 76

METHODS

Five cases and five unusual indications for autogenic renal transplantation. Husberg BS, et al. **Acta Chir Scand** 141(6):557-63, 1975
Reproduction of the normal sexual cycle and reproductive ability in castrated guinea pigs by implantation of the ovary by a new method. Palatyński A. **Ann Med Sect Pol Acad Sci** 20(3):185-200, 1975
Replantation and reconstructive microvascular surgery. Part I. O'Brien BM. **Ann R Coll Surg Engl** 58(2):87-103, Mar 76
Re-implantation of the ureter. Clark P, et al. **Br J Urol** 48(1):31-7, Feb 76
Radical nephrectomy, bench surgery and autotransplantation in the potentially malignant renal mass. Kearney GP, et al. **J Urol** 116(3):375-7, Sep 76
Glomus tympanicum--excision by radical mastoidectomy exposure with autograft reconstruction. Smith MF, et al. **Laryngoscope** 86(3):431-5, Mar 76
Study of washout solutions for microvascular replantation and transplantation. Harashina T, et al. **Plast Reconstr Surg** 56(5):542-8, Nov 75
Replantation of severed ear parts. Larsen J, et al. **Plast Reconstr Surg** 57(2):176-9, Feb 76
[Reimplantation of a hand (author's transl)] Baudet J, et al. **Ann Chir** 29(5):491-8, May 75 (Eng. Abstr.) (Fre)
[Reimplantation of the finger tips using a cross-finger technique (author's transl)] Mantero R, et al. **Ann Chir** 29(11):1019-23, Nov 75 (Eng. Abstr.) (Fre)
[Extracardiac reinnervation after cardiac inversion. Experimental study of a new technique for correction of transposition of the great vessels (author's transl)] Dureau G, et al. **Ann Chir Thorac Cardiovasc** 15(2):171-3, Apr 76 (Eng. Abstr.) (Fre)
[Digital reimplantations with vascular and nerve micro-anastomosis. Apropos of 5 cases, 4 of them successful] Dufourmentel G, et al. **Chirurgie** 101(9):668-76, Oct 75 (Fre)
[Indications and technics of reimplantations of left vertebral arteries stemming from the aortic arch] Faidutti M, et al. **Chirurgie** 101(1):27-34, 15-29 Jan 75 (Fre)
[Contribution of microsurgical technics to reconstructive and reparative surgery of the upper limb] Gilbert A, et al. **Chirurgie** 102(5):305-13, May 76 (Eng. Abstr.) (Fre)
[Replantation of amputated extremities (author's transl)] Owen E. **Langenbecks Arch Chir** 339:613-5, Nov 75 (Eng. Abstr.) (Ger)
[Successful re-implantation of the metacarpus (author's transl)] Biemer E, et al. **Munch Med Wochenschr** 118(15):473-6, 9 Apr 76 (Eng. Abstr.) (Ger)
[Successful re-implantation of a forearm in a 16-year-old girl (author's transl)] Zyszczak M. **Munch Med Wochenschr** 118(15):471-72, 9 Apr 76 (Eng. Abstr.) (Ger)
[Scalp avulsion injuries (author's transl)] Freilinger G. **Wien Klin Wochenschr** 88(4):140-1, 20 Feb 76 (Eng. Abstr.) (Ger)
[Reimplantation of severed fingers by microsurgery] Wexler MR, et al. **Harefuah** 89(9):399-401, 2 Nov 75 (Eng. Abstr.) (Heb)
[Orthotopic reimplantation of the choledochus and the Wirsung's duct: 2 clinical cases] Mazzoni G, et al. **Chir Patol Sper** 23(1):47-53, Feb 75 (Eng. Abstr.) (Ita)
[Technical aspects of experimental reimplantation of limbs in the dog] Fox U, et al. **Minerva Chir** 30(19):979-88, 15 oct 75 (Eng. Abstr.) (Ita)
[Reimplantation of the stomach (technic, functional and morphological results)] Feofilov GL, et al. **Eksp Khir Anesteziol** (2):21-4, Mar-Apr 75 (Eng. Abstr.) (Rus)
[Reimplantation of the thumb] Kus' G. **Ortop Travmatol Protez** (11):49-50, Nov 75 (Rus)
[Plastic surgery of the nasal septum] Kitsera AE. **Zh Ushn Nos Gorl Bolezn** (2):96-8, Mar-Apr 76 (Rus)

REIMPLANTATION, TOOTH see **TOOTH REIMPLANTATION**

REINDEER

A telemetric aid in establishing the cause of death in semidomesticated or wild animals. Moëll F, et al. **Acta Vet Scand** 16(3):357-67, 1975
Prospects for reindeer husbandry based on grass and silage feeding. Kurkela P. **Acta Vet Scand [Suppl]** (60):1-75, 1976
Parasitic granulomas in Swedish forest reindeer (Rangifer tarandus). pp. 597-607. Rehbinder C, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**
Radiographic examination of mandibular lesions in barren-ground caribou. Miller FL, et al. **J Wildl Dis** 11(4):465-70, Oct 75
[Toxic action of famofos on reindeer] Kazanovskii ES, et al. **Veterinariia** (10):98-100, Oct 75 (Rus)
[Amino acid composition of meat proteins in the Arctic reindeer] Adamova VI, et al. **Vopr Pitan** (6):58-9, Nov-Dec 75 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Topography of internal organs of reindeer (Rangifer tarandus). Topographic anatomy applied in the hunting of reindeer. Engebretsen RH. **Acta Vet Scand [Suppl]** (57):1-18, 1975

BLOOD

Nutritional effects on serum enzymes and other blood constituents in reindeer calves (Rangifer tarandus tarandus). Bjarghov RS, et al. **Comp Biochem Physiol [A]** 55(2a):187-93, 1976
[Genetic polymorphism of the serum transferrins of the northern reindeer (Rangifer tarandus L.) of northwestern Siberia] Zhurkevich NM, et al. **Genetika** 12(1):56-65, 1976 (Eng. Abstr.) (Rus)

METABOLISM

Renal excretion of urea in reindeer. Effect of nutrition. Hove K, et al. **Acta Vet Scand** 16(4):513-9, 1975
Accuracy of the tritium water dilution method for determining water flux in reindeer(Rangifer tarandus). Cameron RD, et al. **Can J Zool** 54(6):857-62, Jun 76
Effect of digestible energy intake on glucose synthesis in reindeer and caribou. McEwan EH, et al. **Can J Zool** 54(5):737-51, May 76
Glucose metabolism in lactating reindeer. White RG, et al. **Can J Zool** 54(1):55-64, Jan 76
The amino acid sequences of reindeer, moose and fallow deer pancreatic ribonucleases. Leijenaar-van den Berg G, et al. **FEBS Lett** 56(1):101-7, 1 Aug 75
Famphur and its oxygen analogue: residues in the body tissues of reindeer. Ivey MC, et al. **J Econ Entomol** 69(2):260-2, Apr 76

MICROBIOLOGY

Isolation of Neisseria ovis and a Colesiota conjunctivae-like organism from cases of kerato-conjunctivitis in reindeer in northern Norway. Kummeneje K. **Acta Vet Scand** 17(1):107-8, 1976

PARASITOLOGY

A protostrongylid nematode (Strongylida: Protostrongylidae) in woodland caribou (Rangifer tarandus caribou). Lankester MW, et al. **Can J Zool** 54(5):680-4, May 76
[Parasites in reindeer calves--faeces examination (author's transl)] Christensson D, et al. **Nord Vet Med** 27(10):496-8, Oct 75 (Eng. Abstr.) (Swe)
[Parasitic granulomas in reindeer. A histopathological, parasitological and bacteriological study (author's transl)] Rehbinder C, et al. **Nord Vet Med** 27(10):499-507, Oct 75 (Eng. Abstr.) (Swe)

PHYSIOLOGY

Haematological values for the Finnish reindeer. Timisjärvi J, et al. **Blut** 32(6):439-42, Jun 76
The reproductive season of Newfoundland caribou. Bergerud AT. **Can J Zool** 53(9):1213-21, Sep 75

REINFORCEMENT (PSYCHOLOGY)

Establishment of ethanol as a reinforcer for rhesus monkeys via the oral route: initial results. Meisch RA, et al. **Adv Exp Med Biol** 59:323-42, 1975
Influence of reinforcement on the paired-associate learning of retarded and nonretarded children. De Csipkes RA, et al. **Am J Ment Defic** 80(3):357-9, Nov 75
Sensory reinforcement of eyeblink rate in a decorticate human. Deiker T, et al. **Am J Ment Defic** 80(6):665-7, May 76
Effects of frequency of photic stimulation upon autistic and retarded children. Frankel F, et al. **Am J Ment Defic** 81(1):32-40, Jul 76
Reinforcement of cooperation between profoundly retarded adults. Samaras MS, et al. **Am J Ment Defic** 80(1):63-71, Jul 75
Letter: Attempted suicide. Bostock T, et al. **Aust NZ J Psychiatry** 10(1):65, Mar 76
Reinforcing properties belonging to different rates of intermittent light for the newly hatched chick. Simner ML. **Behav Biol** 15(2):225-30, Oct 75
An experimental analysis of response acquisition and elimination with positive reinforcers. Garcia EE, et al. **Behav Neuropsychiatry** 7(1-12):71-8, Apr-Mar 75-76
Eliminating self-injurious behavior by educative procedures. Azrin NH, et al. **Behav Res Ther** 13(2-3):101-11, Jun 75
Discriminative activation and maintenance of contingent self-reinforcement. Bandura A, et al. **Behav Res Ther** 14(1):1-6, 1976
The Premack Principle in human experimental and applied settings. Knapp TJ. **Behav Res Ther** 14(2):133-47, 1976 (70 ref.)
Learned helplessness, depression and the perception of reinforcement. Miller WR, et al. **Behav Res Ther** 14(1):7-17, 1976
The impact of two different reinforcers on conditioned operant heart-rate acceleration and deceleration. McCanne TR, et al. **Biol Psychol** 3(2):131-42, Sep 75
The impact of two different reinforcers on conditioned operant heart-rate acceleration and deceleration. McCanne TR, et al. **Biol Psychol** 3(2):131-42, Sep 75
Extraversion and reinforcement in verbal operant conditioning. Gupta BS. **Br J Psychol** 67(1):47-52, Feb 76
Responses of primate locus coeruleus and subcoeruleus neurons to stimulation at reinforcing brain sites and to natural reinforcers. German DC, et al. **Brain Res** 109(3):497-514, 18 Jun 76
Strength-duration analysis of the organization of reinforcement pathways in the medial forebrain bundle of rats. White N. **Brain Res** 110(3):575-91, 16 Jul 76
Coping with the aggressive patient: an alternative to punishment. Matheson W, et al. **Can Nurse** 72(7):18-9, 1976
Generalization and persistence of effects of exposure to self-reinforcement models. Lepper MR, et al. **Child Dev** 46(3):618-30, Sep 75
An analysis of contingencies in the Appalachian coalfields. Noonan JR. **Community Ment Health J** 12(1):99-105, Spring 76
The effect of reinstatement stimulus conditions on the maintenance of long-term memory. Campbell BA, et al. **Dev Psychobiol** 9(4):325-33, JUL 76
Attending behavior and academic performance of emotionally disturbed children. Haubrich PA, et al. **Except Child** 42(6):337-8, Mar 76
Reinstatement of verbal behavior in elderly mental patients using operant procedures. Hoyer WJ, et al. **Gerontologist** 14(2):149-52, Apr 74
Parameters of action and measuring emotions. pp. 421-38. Simonov PV. **In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975.**
Families as mutual control systems: optimizations by systematization of reinforcement. pp. 317-30. Corson JA. **In: Mash EJ, et al., ed. Behavior modification and families. New York, Brunner/Mazel, 1976. W3 BA203 1974b.**
A neural model of attention, reinforcement and discrimination learning. Grossberg S. **Int Rev Neurobiol** 18:263-327, 1975 (75 ref.)
Differential effects of task and reinforcement variables on the performance of three groups of behavior problem children. Dietrich C. **J Abnorm Child Psychol** 4(2):155-71, 1976
Depression, activity, and evaluation of reinforcement. Hammen CL, et al. **J Abnorm Psychol** 84(6):718-21, Dec 75
Engagement in pleasant activities and depression level. Lewinsohn PM. **J Abnorm Psychol** 84(6):729-31, Dec 75
Effects of reinforcement and response--cost on cognitive style in emotionally disturbed boys. Nelson WM 3d, et al. **J Abnorm Psychol** 84(4):426-8, Aug 75
Comparison of modelling and reinforcement procedures in increasing question-asking of mildly retarded children. Bondy AS, et al. **J Appl Behav Anal** 9(1):108, Spring 76
The effectiveness of reinforcement, response cost, and mixed programs on classroom behaviors. Hundert J. **J Appl Behav Anal** 9(1):107, Spring 76
Elimination of bedtime thumbsucking in home setting through contingent reading. Knight MF, et al. **J Appl Behav Anal** 7(1):33-8, Spring 74
Producing generative sentence usage by imitation and reinforcement procedures. Lutzker JR, et al.

J Appl Behav Anal 7(3):447–60, Fall 74

Modification of the excessive inappropriate classroom behavior of two elementary school students using home–base consequences and daily report–card procedures. Todd DD, et al. **J Appl Behav Anal** 9(1):106, Spring 76

Reaction time performance of behaviorally deviant children: effects of prior preparatory interval and reinforcement. Kupietz SS, et al. **J Child Psychol Psychiatry** 17(2):123–31, Apr 76

Tangible reinforcement and feedback effects on the IQ scores of college students. Willis J, et al. **J Clin Psychol** 31(3):463–4, Jul 75

Self–reinforcement style and covert imagery in the treatment of obesity. Bellack AS, et al. **J Consult Clin Psychol** 44(3):490–1, Jun 76

The I–E scale: control of what? Clark RA. **J Consult Clin Psychol** 44(1):154, Feb 76

Relative reinforcer magnitude under a nonindependent concurrent schedule of cocaine reinforcement in rhesus monkeys. Llewellyn ME, et al. **J Exp Anal Behav** 25(1):81–91, Jan 76

Effects of quantitative shifts in a visual reinforcer on the instrumental response of infants. Fagen JW, et al. **J Exp Child Psychol** 21(2):349–60, Apr 76

Blocking of conditioned suppression: role of the first compound trial. Mackintosh NJ. **J Exp Psychol [Anim Behav]** 1(4):335–45, Oct 75

Conditioned response–contingent delays of the unconditioned stimulus in human aversive conditioning. Prokasy WF, et al. **J Exp Psychol [Hum Learn]** 1(5):513–20, Sep 75

The effect od differential reinforcement of cautiousness in intellectual performance among the elderly. Birkhill WR, et al. **J Gerontol** 30(5):578–83, Sep 75

The effect on medical students of repetition of a physical examination routine. Klachko DM, et al. **J Med Educ** 51(8):670–2, AUG 76

A smile and eye contact may insult someone. Fire M, et al. **J Nurs Educ** 15(5):14–7, Sep 76

The teacher as a 'reinforcement machine' in the teaching–learning process. Mutzebaugh C, et al. **J Nurs Educ** 15(5):27–33, Sep 76

Modification through modeling and reinforcement in leaderless groups. Robins GL, et al. **J Psychol** 91(First Half):87–91, Sep 75

Punishment and negative reinforcement of stuttering using electric shock. Martin R, et al. **J Speech Hear Res** 18(3):478–90, Sep 75

The control of self–mutilating behavior with positive reinforcement. Ragain RD, et al. **Ment Retard** 14(3):22–5, Jun 76

Utilization of reinforcement contracts to increase written evidence of the nursing assessment. Steckel SB. **Nurs Res** 25(1):58–61, Jan–Feb 76

Double responding in classical nictitating membrane conditioning with single–CS dual–ISI training. Hoehler FK, et al. **Pavlov J Biol Sci** 11(3):180–90, Jul–Sep 76

Operant GSR conditioning with cool air reinforcement. Kimmel HD, et al. **Pavlov J Biol Sci** 10(4):239–45, Oct–Dec 75

The 'response' in behavior theory. Schoenfeld WN. **Pavlov J Biol Sci** 11(3):129–49, Jul–Sep 76

'Shaping' of frequency discrimination performance using only intrinsic reinforcement. Auerbach C. **Percept Mot Skills** 40(2):451–7, Apr 75

Effects of covert reinforcement on reading attitude with reinforcing scenes of varying intensity. Daniels LK. **Percept Mot Skills** 42(3):810, Jun 76

Personality, reinforcement and learning. Seunath OM. **Percept Mot Skills** 41(2):459–63, Oct 75

Variation of reinforcement in performance of a motor skill. Ward J. **Percept Mot Skills** 43(1):149–50, Aug 76

Ethanol as a positive reinforcer via the oral route for rhesus monkeys: maintenance of fixed–ratio responding. Henningfield JE, et al. **Pharmacol Biochem Behav** 4(4):473–5, Apr 76

The function of schedule–induced polydipsia in establishing ethanol as a positive reinforcer. Meisch RA. **Pharmacol Rev** 27(4):465–73, Dec 75

Drugs as reinforcers in monkey and man. Schuster CR. **Pharmacol Rev** 27(4):551–21, Dec 75

Hypothalamic influences on sensory reinforcement. Ackil JE, et al. **Physiol Behav** 14(2):133–42, Feb 75

Consummatory responses as sources of reinforcement in electrically induced behaviors. Chisholm DC, et al. **Physiol Behav** 16(1):51–3, Jan 76

Reinforcement influences upon topography of treadmill locomotion by cats. Lockard DE, et al. **Physiol Behav** 16(2):141–6, Feb 76

Response selection properties of food and brain–stimulation reinforcers in rats. Peterson GB. **Physiol Behav** 14(6):681–8, Jun 75

Assessment of reinforcing properties of amphetamine analogues in self–administering rats. Götestam KG, et al. **Postgrad Med J** 51 Suppl 1:80–3, 1975

'Dwelling' time, operant measure of 'depression' effect in escape conditioning. Calef RS, et al. **Psychol Rep** 37(3 Pt 1):837–8, Dec 75

Covert reinforcement and hypnosis in modification of attitudes toward physically disabled persons and generalization to the emotionally disturbed. Daniels LK. **Psychol Rep** 38(2):554, Apr 76

Effects of covert reinforcement in modification of test anxiety. Daniels LK. **Psychol Rep** 38(2):670, Apr 76

Effect of locus of reinforcement control on a concept–identification task. Litrownik AJ, et al. **Psychol Rep** 39(1):159–65, Aug 76

Use of thought–stopping and self–reinforcement in treatment of depression. Nigl AJ. **Psychol Rep** 38(3 pt. 1):843–6, Jun 76

Identification of reinforcement for talking–out in the classroom. Ross JA, et al. **Psychol Rep** 38(2):363–7, Apr 76

Effects of 2, 5–dimethoxy–4–methylamphetamine (DOM, STP) on successive sensory discrimination behavior maintained by electrical stimulation of the brain reinforcement in the rat. Vincent JH, et al. **Psychol Rep** 38(3 Pt 2):1083–92, Jun 76

Use of concrete reinforcement to control content of verbal initiations in group therapy with adolescents. Zweback S. **Psychol Rep** 38(3 Pt 2):1051–7, Jun 76

Behavioral formulations of depression. Eastman C. **Psychol Rev** 83(4):277–91, Jul 76

Influence of delta9–tetrahydrocannabinol on partial reinforcement effects. Drewnowski A, et al. **Psychopharmacologia** 43(3):233–7, 17 Sep 75

Ethanol as a reinforcer for rats: effects of concurrent access to water and alternate positions of water and ethanol. Meisch RA, et al. **Psychopharmacologia** 43(1):19–23, 23 Jul 75

Self–administration of CNS stimulants by dog. Risner ME, et al. **Psychopharmacologia** 43(3):207–13, 17 Sep 75

Fenfluramine and N–ethyl amphetamine: comparison of the reinforcing and rate–decreasing actions in the rhesus monkey. Tessel RE, et al. **Psychopharmacologia** 43(3):239–44, 17 Sep 75

The role of background stimuli during Pavlovian conditioning. Odling–Smee FJ. **Q J Exp Psychol** 27(2):201–9, May 75

Both positive reinforcement and conditioned aversion from amphetamine and from apomorphine in rats. Wise RA, et al. **Science** 191(4233):1273–5, 26 Mar 76

The power of positive reinforcement. Levoy RP. **Vet Med Small Anim Clin** 70(8):994, Aug 75

[Loss of reinforcement and depressive reaction. Proposed model of learning theory] Blöschl L. **Arch Psychol (Frankf)** 127(1–2):51–69, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Neural mechanism of recall in passive avoidance behavior by a single reinforcement] Arai S, et al. **J Physiol Soc Jpn** 36(8–9):282–3, 1 Sep 74 **(Jpn)**

[Changes in the configuration of conditioned reactions of visual cortex neurons during changes in reinforcement parameters] Aleksandrov IuI. **Zh Vyssh Nerv Deiat** 25(4):760–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Conditioned reflex reproduction of evoked potentials during reinforcement by electrostimulation of the hypothalamus] Masycheva VI, et al. **Zh Vyssh Nerv Deiat** 25(5):995–1001, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Probabilistic reinforcement and neurotic breakdown in unrestrained dogs] Mekhedova AIa. **Zh Vyssh Nerv Deiat** 25(6):1188–95, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Instrumental and classical reflexes with water reinforcement] Popova EI. **Zh Vyssh Nerv Deiat** 25(2):288–94, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The mechanism of action of a reinforcing stimulus] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 25(5):1011–21, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Behavioral procedures for evaluating the relative abuse potential of CNS drugs in primates. Brady JV, et al. **Fed Proc** 35(11):2245–53, Sep 76

Food– and drug–reinforced responding: effects of DITA and d–amphetamine. Downs DA, et al. **Psychopharmacologia** 43(1):13–7, 23 Jul 75

PHYSIOLOGY

[Use of intracerebral emotionally negative stimulation as a reinforcing factor in a controlled experiment] Godukhin OV, et al. **Zh Vyssh Nerv Deiat** 25(6):1316–7, Nov–Dec 75 **(Rus)**

[Selection by rats of the stepwise results of action] Masterov AV. **Zh Vyssh Nerv Deiat** 25(5):1091–3, Sep–Oct 75 **(Rus)**

REINFORCEMENT SCHEDULE

Differential effects of four token conditions on rate and choice of responding in a matching–to–sample task. Repp AC, et al. **Am J Ment Defic** 80(1):51–6, Jul 75

Effects of chronic administration of heroin on rats trained on two food reinforcement schedules. Thornhill JA, et al. **Arch Int Pharmacodyn Ther** 218(2):277–89, Dec 75

Intragastric water and the acquisition of schedule–induced drinking. Cope CL, et al. **Behav Biol** 17(2):267–70, Jun 76

The effects of reinforcement delay and hippocampal lesions on the acquisition of a choice response. Mikulka PJ, et al. **Behav Biol** 15(4):473–7, Dec 75

Pharmacologic changes in performance of normal and brain–damaged rats. Schneiderman B, et al. **Behav Biol** 17(2):197–211, Jun 76

Further studies concerning an experimentally induced labor division between rats. Struffaldi G, et al. **Behav Biol** 16(4):527–33, Apr 76

A comparison of the differential effects of three different baseline conditions within an ABA1B1 experimental design. Lindsay WR, et al. **Behav Res Ther** 14(2):169–73, 1976

Extinction, DRO, and response–cost procedures for eliminating self–injurious behavior: a case study. Myers DV. **Behav Res Ther** 13(2–3):189–91, Jun 75

California sea lion underwater auditory detection and variation of reinforcement schedules. Schusterman RJ. **J Acoust Soc Am** 59(4):997–1000, Apr 76

Some effects of reinforcement schedules in teaching picture names to retarded children. Stephens CE, et al. **J Appl Behav Anal** 8(4):435–47, Winter 75

The effects of vicarious reinforcement on modeling by schizophrenic hospital patients. Keyes MJ, et al. **J Clin Psychol** 31(3):413–5, Jul 75

Effects of prefeeding on the DRL preformance of rats with septal lesions. Aitken WC Jr, et al. **J Comp Physiol Psychol** 89(6):546–55, Aug 75

Cued DRL training: effects on the permanence of lesion–induced overresponding. Braggio JT, et al. **J Comp Physiol Psychol** 90(7):694–703, Jul 76

Cholinergic blockade, septal lesions, and DRL performance in the rat. Ellen P, et al. **J Comp Physiol Psychol** 89(5):409–20, Jul 75

Behavior controlled by scheduled injections of cocaine in squirrel and rhesus monkeys. Goldberg ST, et al. **J Exp Anal Behav** 25(1):93–104, Jan 76

Effects of haloperidol on schedule–induced polydipsia. Keehn JD, et al. **J Exp Anal Behav** 25(1):105–12, Jan 76

Some effects of delta–amphetamine and pentobarbital on performance under a long fixed–interval schedule. McMillan DE, et al. **J Exp Anal Behav** 25(3):389–99, May 76

Differential reinforcement and signal detection. Nevin JA, et al. **J Exp Anal Behav** 24(3):355–67, Nov 75

Stimulus change as a factor in response maintenance with free food available. Osborne SR, et al. **J Exp Anal Behav** 24(1):17–21, Jul 75

Effects of desalivation on schedule–induced polydipsia in the rat. Murphy LR, et al. **J Exp Psychol [Anim Behav]** 1(4):309–17, Oct 75

Classical skin conductance response conditioning: effects of intermittent reinforcement and information about schedule contingencies. Williams WC. **J Exp Psychol [Hum Learn]** 104(4):501–9, Jul 75

Resistance to extinction as a function of IQ and reinforcement ratio among retarded children. Levine BA. **J Ment Defic Res** 20(1):25–30, Mar 76

Schedule–induced oral narcotic self–administration: acute and chronic effects. Leander JD, et al. **J Pharmacol Exp Ther** 195(2):279–87, Nov 75

Effects of narcotic agonists and antagonists on schedule–induced water and morphine ingestion. Leander JD, et al. **J Pharmacol Exp Ther** 195(2):271–8, Nov 75

Reducing inappropriate behaviors in classrooms and in individual sessions through DRO schedules of reinforcement. Repp AC, et al. **Ment Retard** 14(1):11–5, Feb 76

Varying temporal placement during CS of an added stimulus correlated with non–delivery of UCS. Kadden RM, et al. **Pavlov J Biol Sci** 10(2):76–84, Apr–Jun 75

Differential reinforcement of reaction times in developmental retardates. Hasazi JE, et al. **Percept Mot Skills** 41(2):631–4, Oct 75

Influence of central cholinergic pathways on performance on free–operant avoidance and DRL schedules. Kelsey JE, et al. **Pharmacol Biochem Behav** 3(6):1043–50, Nov–Dec 75

Rate–dependent effects of drugs: a review of the literature. Sanger DJ, et al. **Pharmacol Biochem Behav** 4(1):73–83, Jan 76 (123 ref.)

Schedule–induced polydipsia and oral intake of drugs. Dews PB. **Pharmacol Rev** 27(4):447, Dec 75

Control of drug–taking behavior by schedules of reinforcement. Kelleher RT, et al. **Pharmacol Rev** 27(3):291–9, Sep 75

Complex schedules of drug injection. Kelleher RT, et al. **Pharmacol Rev** 27(3):341–2, Sep 75

Schedule–induced narcotic ingestion. Leander JD, et al. **Pharmacol Rev** 27(4):475–87, Dec 75

The function of schedule–induced polydipsia in establishing ethanol as a positive reinforcer. Meisch RA. **Pharmacol Rev** 27(4):465–73, Dec 75

Schedule–induced polydipsia and oral intake of drugs. Mello NK. **Pharmacol Rev** 27(4):489–98, Dec 75 (36 ref.)

Drugs as reinforcers in monkey and man. Schuster CR. **Pharmacol Rev** 27(4):551–21, Dec 75

Effects of carbon monoxide on responding under a progressive ratio schedule in rats. Merigan WH, et al. **Physiol Behav** 16(4):407–12, Apr 76

Effects of variable and fixed second–order schedules on schedule–induced polydipsia in the rat. Porter JH, et al. **Physiol Behav** 14(2):143–9, Feb 75

Control of the rat's sniffing behavior by response–independent and dependent schedules of reinforcing brain stimulation. Waranch HR, et al. **Physiol Behav** 15(3):365–72, Sep 75

Specious reward: a behavioral theory of impulsiveness and impulse control. Ainslie G. **Psychol Bull** 82(4):463–96, Jul 75 (141 ref.)

Human variable–interval performance. Bradshaw CM, et al. **Psychol Rep** 38(3 pt. 1):881–2, Jun 76

Partial reinforcement of discrete–trial responding in the Skinner box. Cole M, et al. **Psychol Rep** 38(3 pt. 1):791–6, Jun 76

Partial delay and partial reinforcement effects on resistance

to continuous delay: some effects of sequential manipulations. Dyck DG, et al. **Psychol Rep** 38(3 pt. 1):827–34, Jun 76

Delay of information in paired-associate learning among incarcerated groups of sociopaths and heroin addicts. Gullick EL, et al. **Psychol Rep** 38(1):145–51, Feb 76

Rats' preference for the more effortful of two responses as a function of prior experience. Kleinman KM, et al. **Psychol Rep** 38(3 pt. 1):931–7, Jun 76

RN transitions: frustration, inhibition or aversion? Prytula RE, et al. **Psychol Rep** 37(3 Pt 1):747–55, Dec 75

Hippocampal lesions and performance on a geometric progressive ratio schedule. Stewart WJ, et al. **Psychol Rep** 37(3 PT 2):1079–84, Dec 75

The importance of reinforcement schedules in determining effects of drugs. Kelleher RT. **Psychopharmacol Bull** 11(4):4–6, Oct 75

Characteristics of ethanol drinking patterns under schedule-induced polydipsia. McMillan DE, et al. **Psychopharmacol Bull** 49(1):49–55, 26 Aug 76

Ethanol and isopropanol effects on schedule-controlled responding. Leander JD, et al. **Psychopharmacologia** 47(2):157–64, 28 May 76

Time course for the effects of cocaine on fixed-ratio water-reinforced responding in rats. Macphail RC, et al. **Psychopharmacologia** 44(1):1–4, 14 Oct 75

[Dog behavior under conditions of 50% stereotyped reinforcement of a conditioned stimulus] Poltyreva TE. **Zh Vyssh Nerv Deiat** 26(3):511–5, May–Jun 76 (Eng. Abstr.) **(Rus)**

REINFORCEMENT, SOCIAL

Preinstitutional social deprivation, responsiveness to social reinforcement, and IQ change in institutionalized retarded individuals. Balla DA, et al. **Am J Ment Defic** 80(2):228–30, Sep 75

Responsiveness of delinquents and non-delinquents to social reinforcement. Johnston M. **Br J Soc Clin Psychol** 15(PT 1):41–9, Feb 76

Social enforcement of behavior toward elders in an Appalachian mountain settlement. Lozier J, et al. **Gerontologist** 14(1):69–80, Feb 74

The reward value of peers. A variable influencing the efficacy of filmed modeling in modifying social isolation in preschoolers. Evers-Pasquale W, et al. **J Abnorm Child Psychol** 3(3):179–89, 1975

The social play of two behaviorally disordered preschool children during four activities. A multiple baseline study. Strain PS, et al. **J Abnorm Child Psychol** 3(1):61–9, 1975

Effects of social deprivation and satiation on the reinforcing properties of social stimulation in chronic male hospitalized schizophrenics. Mitchell WS, et al. **J Abnorm Psychol** 84(5):494–7, Oct 75

The use of prompts to enhance vicarious effects of nonverbal approval. Kazdin AE, et al. **J Appl Behav Anal** 8(3):279–86, Fall 75

The application of generalized correct social contingencies: an evaluation of a training program. Parsonson BS, et al. **J Appl Behav Anal** 7(3):427–37, Fall 74

Self-recording in training girls to increase work and evoke staff praise in an institution for offenders. Seymour FW, et al. **J Appl Behav Anal** 9(1):41–54, Spring 76

An experimental analysis of 'spillover' effects on the social interaction of behaviorally handicapped preschool children. Strain PS, et al. **J Appl Behav Anal** 9(1):31–40, Spring 76

Social reinforcement of a manipulative response in six- and nine-month-old infants. Millar WS. **J Child Psychol Psychiatry** 17(3):205–12, Jul 76

Socially reinforced obsessing: etiology of a disorder in a Christian Scientist. Cohen RJ, et al. **J Consult Clin Psychol** 44(1):142–4, Feb 76

Social elicitation of infant vocal behavior. Bloom K. **J Exp Child Psychol** 20(1):51–8, Aug 75

Use of reinforcement to produce loose construing: differential effects for schizotypic and nonschizotypic normals. Higgins K, et al. **Psychol Rep** 38(3 pt. 1):799–806, Jun 76

REINFORCEMENT, VERBAL

Establishment of praise as a reinforcer in chronic schizophrenics. Caulfield JB, et al. **J Consult Clin Psychol** 44(1):61–7, Feb 76

Feedback and therapist praise during treatment of phobia. Leitenberg H, et al. **J Consult Clin Psychol** 43(3):396–404, Jun 75

Verbal versus tangible reward for children who stutter. Manning WH, et al. **J Speech Hear Disord** 41(1):52–62, Feb 76

Verbal versus tangible reward for children who stutter. Manning WH, et al. **J Speech Hear Disord** 41(1):52–62, Feb 76

REITER'S DISEASE

Reiter's disease in three boys. Iveson JM, et al. **Ann Rheum Dis** 34(4):364–8, Aug 75

Reiter's disease. pp. 205–9. Catterall RD. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

COMPLICATIONS

Letter: Salicylate hepatotoxicity in Reiter's syndrome. Ricks WB. **Ann Intern Med** 84(1):52–3, Jan 76

Paravertebral ossification in psoriasis and Reiter's disease. Sundaram M, et al. **Br J Radiol** 48(572):628–33, Aug 75

The role of microbial infection in Reiter's syndrome. pp. 147–50. Catterall RD. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (19 ref.)

Isolated uveitis – relationship with ankylosing spondylitis and Reiter's syndrome. Amor B. **Mod Probl Ophthalmol** 16:225–7, 1976

Thirty-three year old man with a one month history of diarrhea. **SD J Med** 28(12):7–12, Dec 75

Aortic insufficiency in Reiter's syndrome. Machado H, et al. **South Med J** 69(7):955–7, Jul 76

Septic arthritis and Reiter's syndrome in sickle cell disorders: case reports and implications for management. Palmer DW, et al. **South Med J** 69(7):902–4, Jul 76

[Mutilating arthritis in Reiter's disease] Mladenović V. **Reumatizam** 23(2):47–53, 1976 (Eng. Abstr.) **(Cro)**

[Letter: The remote prognosis of Fiessinger-Leroy-Reiter syndrome] Doury P, et al. **Nouv Presse Med** 5(8):516, 21 Feb 76 **(Fre)**

[Reiter's syndrome with staphylococcal pyodermitis] Colamussi V, et al. **Reumatismo** 24(2):155–7, Apr–Jun 72 **(Ita)**

DIAGNOSIS

Reiter's disease in a female, presenting as erythema nodosum. McMillan A. **Br J Vener Dis** 51(5):345–7, Oct 75

Chronic arthritis and prostatitis. Clinical pattern and therapy. pp. 211–4. Olhagen B. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Letter: Pseudo-pseudopodagra. Canoso JJ, et al. **Lancet** 1(7953):258–9, 31 Jan 76

Identifying Reiters disease in Papau New Guinea. Colebatch JA. **Papua New Guinea Med J** 18(2):119–21, Jun 75

[Laboratory findings in Fiessenger-Leroy-Reiter syndrome and related afflictions (human bedsonias)] Amor B, et al. **Biol Med (Paris)** 2(1):51–5, Apr 73 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Letter: Salicylate hepatotoxicity in Reiter's syndrome. Ricks WB. **Ann Intern Med** 84(1):52–3, Jan 76

A comparative pilot study of azapropazone and indomethacin in the treatment of psoriatic arthritis and Reiter's disease. Lassus A. **Curr Med Res Opin** 4(1):65–9, 1976

Comparative double-blind trial of intra-articular injections of two long-acting forms of betamethasone. Husby G, et al. **Scand J Rheumatol** 4(3):118–20, 1975

[A patient with Reiter's disease; positive experiences with methotrexate therapy] Haas FD. **Ned Tijdschr Geneeskd** 120(14):611–4, 3Apr 76 (Eng. Abstr.) **(Dut)**

ETIOLOGY

[Pathogenesis of the urethro-oculo-synovial syndrome] Il'in II, et al. **Vestn Dermatol Venerol** (10):46–50, Oct 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Ankylosing spondylitis and Reiter's syndrome: genetic and microbiological studies. pp. 159–63. Delbarre F, et al. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (17 ref.)

Familial reactive arthritis of Reiter's and ankylosing spondylitis types in the HLA-27 genotype. Rose BS. **NZ Med J** 83(558):107–9, 25 Feb 76

IMMUNOLOGY

Incomplete Reiter's syndrome: discriminating features and HL-A W27 in diagnosis. Arnett FC, et al. **Ann Intern Med** 84(1):8–12, Jan 76

Incomplete Reiter's syndrome: discriminating features and HL-A W27 in diagnosis. Arnett FC, et al. **Ann Intern Med** 84(1):8–12, Jan 76 (39 ref.)

An 'experimental' epidemic of Reiter's syndrome revisited. Follow-up evidence on genetic and environmental factors. Calin A, et al. **Ann Intern Med** 84(5):564–6, May 76

Proceedings: Complement activation in Reiter's syndrome. Yates DB, et al. **Ann Rheum Dis** 34(5):468, Oct 75

The significance of HL-A W27 in ankylosing spondylitis and Reiter's syndrome with three family studies. Cross RA, et al. **Aust NZ J Med** 5(2):108–11, Apr 75

Selective inhibition of lymphocyte responsiveness to phytohaemagglutinin in patients with Reiter's syndrome. Scher I, et al. **Clin Exp Immunol** 23(3):404–13, Mar 76

HL-A 27 and sero-negative rheumatic disorders (pelvospondylitis, sacroiliitis and uro-arthritis). pp. 215–22. Möller E, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Letter: Low incidence of HLA-B27 in American Blacks with spondyloarthropathies. Khan MA, et al. **Lancet** 1(7957):483, 28 Feb 76

HL-A27 in Reiter's Syndrome. McGlamory JC. **Milit Med** 141(2):95–6, Feb 76

Letter: HLA B27 in blacks with ankylosing spondylitis or Reiter's disease. Good AE, et al. **N Engl J Med** 294(3):166–7, 15 Jan 76

HL-A 27-associated arthritis. Keat AC, et al. **Rheumatol Rehabil** 15(2):87–91, May 76

Mycoplasma antibodies in rheumatoid arthritis. Jansson E, et al. **Scand J Rheumatol** 4(3):165–8, 1975

[The lymphocyte transformation test with the bedsonian antigen (bedsonian LTT) in old and recent Fiessinger-Leroy-Reiter syndromes and in ankylsoing spondylarthritis. Additional study] Pattin S, et al. **Rev Rhum Mal Osteoartic** 43(6):407–10, Jun 76 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

[Morphology of Halprowia (Chlamydia) isolated in Reiter's syndrome] Shatkin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):60–4, Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[A new study on the midterm evolution of Fissinger-Leroy-Reiter syndromes seen in a military milieu (85 cases)] Dechelotte J, et al. **Rev Rhum Mal Osteoartic** 42(7–9):497–503, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiological features in Reiter's disease. Lateur L, et al. **J Belge Radiol** 58(3):205–11, May–Jun 75

Radiological case of the month. Goldman SM, et al. **Md State Med J** 24(9):67–9, Sep 75

REJECTION (PSYCHOLOGY)

How a rejecting baby affects mother-infant synchrony. Thoman EB. **Ciba Found Symp** (33):177–200, 1975

The psychiatric sick role and rejection. Kirk SA. **J Nerv Ment Dis** 161(5):318–25, Nov 75

Perceived personality impressions in student acceptance and rejection interaction patterns in the classroom. Peretti PO. **Res Q Am Assoc Health Phys Educ** 46(4):457–62, Dec 75

Fear and rejection of patients by health practitioners. Keith PM, et al. **Soc Sci Med** 9(8–9):501–5, Aug–Sep 75

REJUVENATION

Chemexfoliation as an adjunct to facial rejuvenation. Ariagno RP, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):536–9, Nov–Dec 75

The two-stage concept of rhytidectomy. Kamer FM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):546–50, Nov–Dec 75

RELA see **CARISOPRODOL**

RELAPSING FEVER

Relapsing fever—pathogenesis. pp. 307–15. Sanford JP. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (13 ref.)

[Relapsing fever in the area of Kefar-Saba] Katznelson D, et al. **Harefuah** 90(5):231, 1 Mar 76 **(Heb)**

COMPLICATIONS

Clinical pathology of the Jarisch-Herxheimer reaction. Bryceson AD. **J Infect Dis** 133(6):696–704, Jun 76

Clinical pathology of the Jarisch-Herxheimer reaction. Bryceson AD. **J Infect Dis** 133(6):696–704, Jun 76

Tropical thrombophlebitis. The role of relapsing fever in its causation. Gear JH. **S Afr Med J** 49(49):2057–8, 15 Nov 75

DIAGNOSIS

The diagnosis of the relapsing fevers. pp. 225–34. Burgdorfer W. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (22 ref.)

DRUG THERAPY

Single-dose doxycycline treatment of tick-borne relapsing fever. de Clercq AG, et al. **East Afr Med J** 52(8):428–9, Aug 75

Relapsing fever—treatment and control. pp. 389–94. Sanford JP. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.**

Single-dose doxycycline treatment of louse-borne relapsing fever and epidemic typhus. Perine PL, et al. **Lancet** 2(7883):742–4, 28 Sep 74

IMMUNOLOGY

Immunity in relapsing fever. pp. 351–8. Felsenfeld O. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (21 ref.)

OCCURRENCE

The epidemiology of the relapsing fevers. pp. 191–200. Burgdorfer W. **In: Johnson RC, ed. The biology of parasitic spirochetes.**

New York, Academic Press, 1976. QW 155 S989 1975b.

RELAXATION

Relaxation and hypnosis in the treatment of insomnia. Graham KR, et al. **Am J Clin Hypn** 18(1):39–42, Jul 75

To lessen pain: relaxation and rhythmic breathing. Stewart E. **Am J Nurs** 76(6):958–9, Jun 76

Eliminating self-injurious behavior by educative procedures. Azrin NH, et al. **Behav Res Ther** 13(2–3):101–11, Jun 75

Self-control over intrusive experiences. Fisher EB Jr, et al. **J Consult Clin Psychol** 43(6):911–6, Dec 75

Psychotherapeutic effects of transcendental meditation with controls for expectation of relief and daily sitting. Smith JC. **J Consult Clin Psychol** 44(4):630–7, Aug 76

Effects of suggestion of relaxation or analgesia on pain threshold and pain tolerance in the waking and in the hypnotic state. Stacher G, et al. **J Psychosom Res** 19(4):259–65, 1975

The need for relaxation in athletics. Kraus H. **J Sports Med** 3(1):41–3, Jan–Feb 75

Transcendental Meditation and fine perceptual–motor skill. Williams LR, et al. **Percept Mot Skills** 43(1):303–9, Aug 76

[Meditation—relaxation] Laitinen J. **Duodecim** 91(19):1136–41, 1975 **(Fin)**

[Comparative study on the blood pressure in relaxation and the basal blood pressure] Sandvoss C, et al. **Lebensversicherungsmedizin** 28(2):25–30, Mar 76 **(Ger)**

[Recent medical research on yoga and states of concentration] Lerner M. **Acta Psiquiatr Psicol Am Lat** 21(1):56–63, Mar 75 (Eng. Abstr.) **(Spa)**

RELAXATION TECHNICS

The utilization of non-drug induced altered states of consciousness in borderline recidivists. Spear JE. **Am J Clin Hypn** 18(2):111–26, Oct 75

Letter: Biofeedback and anxiety. Frankel BL. **Am J Psychiatry** 132(11):1223–4, Nov 75

Letter: Weaning in biofeedback training. Weiss T. **Am J Psychiatry** 132(11):1220, Nov 75

Zen meditation and behavioral self-control. similarities, differences, and clinical applications. Shapiro DH Jr, et al. **Am Psychol** 31(7):519–32, Jul 76

Systematic desensitization, relaxation-training and suggestion in the treatment of test anxiety. Bedell JR. **Behav Res Ther** 14(4):309–11, 1976

Effects of metronome-conditioned relaxation, metronome-induced relaxation, and progressive muscle relaxation on insomnia. Pendleton LR, et al. **Behav Res Ther** 14(2):165–6, 1976

The effects of muscle relaxation and stress on the blood pressure levels of normotensives. Tasto DL, et al. **Behav Res Ther** 14(1):89–91, 1976

The treatment of mandibular dysfunction pain. Possible application of psychological methods. Reading A, et al. **Br Dent J** 140(6):201–5, 16 Mar 76

A comparison of EMG feedback and progressive muscle relaxation training in anxiety neurosis. Canter A, et al. **Br J Psychiatry** 127:470–7, Nov 75

Editorial:Meditation or methyldopa? **Br Med J** 1(6023):1421–2, 12 Jun 76

Letter: Meditation or methyldopa? Nixon PG, et al. **Br Med J** 2(6034):525, 28 Aug 76

Letter: Transcendental meditation. Schmidt KE. **Br Med J** 1(6007):459, 21 Feb 76

The Transcendental Meditation program. Toane EB. **Can Med Assoc J** 114(12):1095–6, 19 Jun 76

Metronome conditioned relaxation and urinary retention. Ray I, et al. **Can Psychiatr Assoc J** 20(2):139–41, Mar 75

Clinical use of meditation. Carrington P, et al. **Curr Psychiatr Ther** 15:101–8, 1975

Biofeedback and meditation in the treatment of psychiatric illnesses. Glueck BC, et al. **Curr Psychiatr Ther** 15:109–16, 1975

The management of chronic hysteria: a review and double-blind trial of electrosleep and other relaxation methods. Scallet A, et al. **Dis Nerv Syst** 37(6):347–53, Jun 76

A controlled study of the EEG during transcendental meditation: comparison with hypnosis. Tebecis AK. **Folia Psychiatr Neurol Jpn** 29(4):305–13, 1975

Biofeedbach-alleviated headaches: a follow-up. Montgomery PS, et al. **Headache** 16(2):64–5, May 76

Relaxing and encouraging suggestions given to hospitalized chronic schizophrenics. Ihalainen O, et al. **Int J Clin Exp Hypn** 24(3):228–37, Jul 76

The relaxation response: psychophysiologic aspects and clinical applications. Benson H, et al. **Int J Psychiatry Med** 6(1–2):87–98, 1975

A comparison of active-alert hypnotic induction with traditional relaxation induction. Banyai EI, et al. **J Abnorm Psychol** 85(2):218–24, Apr 76

A comparison of muscle relaxation training and music in the reduction of state and trait anxiety. Stoudenmire J. **J Clin Psychol** 31(3):490–2, Jul 75

Relaxation as a factor in semantic desensitization. Bechtel JE, et al. **J Consult Clin Psychol** 43(6):925, Dec 75

Electromyograph feedback as a relaxation technique. Coursey RD. **J Consult Clin Psychol** 43(6):825–34, Dec 75

Differential effectiveness of electromyograph feedback, verbal relaxation instructions, and medication placebo with tension headaches. Cox DJ, et al. **J Consult Clin Psychol** 43(6):892–8, Dec 75

Meditation as an intervention in stress reactivity. Goleman DJ, et al. **J Consult Clin Psychol** 44(3):456–66, Jun 76

Treatment of chronic anger through cognitive and relaxation controls. Novaco RW. **J Consult Clin Psychol** 44(4):681, Aug 76

Effects of various forms of relaxation training on physiological and self-report measures of relaxation. Reinking RH, et al. **J Consult Clin Psychol** 43(5):595–600, Oct 75

Self-concept change in behavior modification. Ryan VL, et al. **J Consult Clin Psychol** 44(4):638–45, Aug 76

Comparison of three behavioral techniques in the modification of smoking behavior. Sutherland A, et al. **J Consult Clin Psychol** 43(4):443–7, Aug 75

An evaluation of bruxism control: massed negative practice and automated relaxation training. Heller RF, et al. **J Dent Res** 54(6):1120–3, Nov–Dec 75

The treatment of migraine without drugs. Paulley JW, et al. **J Psychosom Res** 19(5–6):367–74, 1975

Transcendental meditation in hypertension. Individual response patterns. Blackwell B, et al. **Lancet** 1(7953):223–6, 31 Jan 76

Letter: TM and hypertension. Patel C. **Lancet** 1(7958):539, 6 Mar 76

Physiological characterisation of the 'meditative state' during intutional practice (the Ananda Marga system of meditation) and its therapeutic value. Ghista DN, et al. **Med Biol Eng** 14(2):209–13, Mar 76

Letter: Anxiety states. Williams S. **Med J Aust** 1(1–2):35, 3–10Jan 76

Letter: Study of meditation and blood pressure. **N Engl J Med** 294(14):786–7, 1 Apr 76

Use of meditative state for hypnotic induction in the practice of endodontics. Morse DR. **Oral Surg** 41(5):664–72, May 76

A new method for toilet training developmentally disabled children. Edgar CL, et al. **Percept Mot Skills** 41(1):63–9, Aug 75

Preliminary study of effects of 'in vivo' emotive imagery on dental discomfort. Horan JJ, et al. **Percept Mot Skills** 42(1):105–6, Feb 76

Effects of relaxation training upon physiological and self-report indices. Janda LH, et al. **Percept Mot Skills** 42(2):444, Apr 76

Sleep during Transcendental Meditation. Younger J, et al. **Percept Mot Skills** 40(3):953–4, Jun 75

Relaxation training and biofeedback in the reduction of frontalis muscle tension. Haynes SN, et al. **Psychophysiology** 12(5):547–52, Sep 75

Effects of progressive relaxation on sleep disturbance: an electroencephalographic evaluation. Borkovec TD, et al. **Psychosom Med** 38(3):173–80, May–Jun 76

[Thermovision applied to relaxation] Julien R, et al. **Encephale** 1(3):237–44, 1975 (Eng. Abstr.) **(Fre)**

[Analysis of intrauterine sounds and their tranquillizing effects on the newborn infant] Murooka H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(3):367–76, Apr–May 76 (Eng. Abstr.) **(Fre)**

[The application of relaxation in hospital geriatrics] Richard J, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 117(1):157–69, 1975 (Eng. Abstr.) **(Fre)**

[The position of concentrated relaxation in a training program for the psychoprerention of myocardial infarction] Geyer M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(9):542–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Analytic outpatient psychotherapy for patients with psychosomatic disorders. Report on experience with analytical relaxation] Stephanos S, et al. **Psychother Med Psychol (Stuttg)** 26(2):33–43, Mar 76 (Eng. Abstr.) **(Ger)**

[Relaxation therapy using new feedback methods] **Ther Ggw** 115(5):874–6, May 76 **(Ger)**

[Acupuncture and relaxation] Roccia L, et al. **Minerva Med** 67(29):1918–20, 9 Jun 76 (Eng. Abstr.) **(Ita)**

METHODS

The relaxation response: psychophysiologic aspects and clinical applications. Benson H, et al. **Int J Psychiatry Med** 6(1–2):87–98, 1975

Eclectic relaxation therapy. Evans EC. **Med J Aust** 1(6):149–51, 7 Feb 76

RELAXIN

Evidence for one essential tryptophan residue at the active site of relaxin. Schwabe C, et al. **Biochem Biophys Res Commun** 68(4):1126–32, 23 Feb 76

Primary structure of the A chain of porcine relaxin. Schwabe C, et al. **Biochem Biophys Res Commun** 70(2):397–405, 17 May 76

ANALYSIS

Radioimmunoassay (RIA) of relaxin in sera of various species using an antiserum to porcine relaxin. O'Byrne EM, et al. **Proc Soc Exp Biol Med** 152(2):272–6, Jun 76

BLOOD

Radioimmunoassay of plasma relaxin levels throughout pregnancy and at parturition in the pig. Sherwood OD, et al. **Endocrinology** 97(4):834–7, Oct 75

Relaxin concentrations in pig plasma following the administration of prostaglandin F2alpha during late pregnancy. Sherwood OD, et al. **Endocrinology** 98(4):875–9, Apr 76

Immunoreactive relaxin in human serum during the menstrual cycle. Bryant GD, et al. **J Clin Endocrinol Metab** 41(06):1065–9, Dec 75

IMMUNOLOGY

Plasma relaxin immunoactivity during the oestrous cycle of the ewe. Chamley WA, et al. **J Reprod Fertil** 45(3):455–61, Dec 75

METABOLISM

Immunofluorescence studies on the localization of relaxin in the corpus luteum of the pregnant rat. Anderson ML, et al. **Biol Reprod** 13(5):499–504, Dec 75

PHARMACODYNAMICS

Effects of relaxin on early pregnancy in rats. Steinetz BG, et al. **Proc Soc Exp Biol Med** 152(3):419–22, Jul 76

SECRETION

Changes in relaxin and prolactin immunoactivities in ovine plasma following suckling. Bryant GD, et al. **J Reprod Fertil** 46(2):457–9, Mar 76

RELIEF WORK see under **DISASTERS**

RELIGION

The relation of psychological, social, and economic variables to fertility-related decisions. Jaccard JJ, et al. **Demography** 13(3):329–38, Aug 76

Drug usage: an alternative to religion? Westermeyer J, et al. **Dis Nerv Syst** 36(9):492–5, Sep 75

Cancer mortality in New York City for country-of-birth, religious, and socioeconomic groups. Seidman H. **Environ Res** 4(5):390–429, Nov 71

Religion and aging in a longitudinal panel. Blazer D, et al. **Gerontologist** 16(1 Pt1):82–5, Feb 76

Future religious women—hope in action. Waters M. **Hosp Prog** 57(6):62–3, 70, Jun 76

Religious needs of older Americans. pp. 110–7. McDowell J. **In: Call JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.**

Hallucination drugs controversy. pp. 411–8. Clark WH. **In: Radouco-Thomas S, ed. Pharmacologie, toxicologie, et abus des psychotomimétiques (hallucinogenes). Quebec, Les Presses de l'Université Laval, 1974. QV 109 L392p 1973.**

Tooth-filing in Bali. Bass AP 3d, et al. **J Am Dent Assoc** 91(5):969–70, Nov 75

Letter: Religion and myocardial infarction. Levi AA. **N Engl J Med** 295(7):397–8, 12 Aug 76

Cancer incidence in Mormons and non-Mormons in Utah, 1966–1970. Lyon JL, et al. **N Engl J Med** 294(3):129–33, 15 Jan 76

The contributions of theology to medical ethics. Gustafson JM. **Perspect Biol Med** 19(2):247–270, Winter 76

Relition and suicidal behavior. Beit-Hallahmi B. **Psychol Rep** 37(3 PT 2):1303–6, Dec 75

[Letter: Transfusion refusal for religious reasons] Barnikel W. **Dtsch Med Wochenschr** 100(42):2179–80, 17 Oct 75 **(Ger)**

[Change of religious habits of Italian women following immigration (author's transl)] Girotti M. **Ther Umsch** 32(9):582–5, Sep 75 (Eng. Abstr.) **(Ger)**

HISTORY

Shared fantasy in Puritan sermons. Leverenz D. **Am Imago** 32(3):264–87, Fall 75

The heart as hostile witness. Rodbard S. **Perspect Biol Med** 18(3):375–8, Spring 75

Becket's murder at Canterbury. Davis RA. **Surg Gynecol Obstet** 142(5):753–64, May 76

[New theories on Nuragic manners and customs. Presence of psychotropic substances in the fermentation products of bitter honey. Their possible role in the pathogenesis of the sardonic smile] Maxia C. **Atti Accad Med Lomb** 27(1–4):77–86, 1972 **(Ita)**

[The goddess Angizzia and serpents in the religion of The Marches: remaining popular traditions] Chiari G. **Med Secoli** 12(1):109–27, Jan–Apr 75 **(Ita)**

RELIGION AND MEDICINE

The search for spiritual meaning. Dickinson SC. **Am J Nurs** 75(10):1789–94, Oct 75

Aortocoronary bypass in Jehovah's Witnesses: review of 46 patients. Sandiford FM. **Am Surg** 42(1):17–22, Jan 76

Biological correlates of modernization in a Guatemalan highland municipio. Scholl TO, et al. **Ann Hum Biol** 3(1):23–32, Jan 76

Editorial: Mediation and bodily changes. **Br Med J** 1(6010):610, 13Mar 76

'Christian physiology': William Alcott's prescription for the millenium. Whorton JC. **Bull Hist Med** 49(4):466–81, Winter 75

Religious and cultural barriers to treatment. Roy RN. **Bull Int Union Tuberc** 49 suppl 1:43–6, Aug 74

Traditional medical beliefs and practices in the city of Timbuctoo. Imperato PJ. **Bull NY Acad Med** 52(2):241–52, Feb 76

The chaplain's role in care for the dying: toward a new understanding. Swift JK. **Can Med Assoc J** 115(2):181–2, 185, 17 Jul 76

Cancer mortality among Mormons. Enstrom JE. **Cancer** 36(3):825–41, Sep 75

A late medieval Yiddish manuscript on bloodletting. Cowen DL. **Clio Med** 10(4):267–76, Dec 75

Jehovah's Witnesses and blood transfusion. Dixon JL. **Conn Med** 39(7):433–7, Jul 75

AHPQ survey: pastoral services rated important. LeBourdais L. **Dimens Health Serv** 53(5):18–9, May 76

Letter: Dietary tradiations and toxic foods. Schoental R. **Food Cosmet Toxicol** 14(1):82, Jan 76

Hospital's sponsorship broadened to include diocese. Bakke GS, et al. **Hosp Prog** 56(12):60–1, Dec 75

Medical morality: reality, dilemma, opportunity. Bernardin JL. **Hosp Prog** 57(5):57–9, May 76

Toward realistic relationships between bishops and hospitals. Cronin DA. **Hosp Prog** 56(10):64–7, Oct 75

Chairman of USCC Committee on Health Affairs discusses health apostolate. Dingman MJ. **Hosp Prog** 57(5):60–7, May 76

Major superior discusses congregation's mission. Ford MK. **Hosp Prog** 57(1):56–61, 72, Jan 76

Developing a pastoral care advisory committee. Freimuth MJ. **Hosp Prog** 57(1):44, 46, Jan 76

The church and the sacredness of life. Jadot J. **Hosp Prog** 56(9):70–2, Sep 75

A proposal for 'quality of life' criteria for sustaining life. McCormick RA. **Hosp Prog** 56(9):76–9, Sep 75

An analysis of the church's teaching on sterilization. O'Rourke KD. **Hosp Prog** 57(5):68–75, 80, May 76

Theological reflection on pastoral encounter. Smith RK. **Hosp Prog** 57(3):78–81, Mar 76

Reconciliation and the hospital patient. Wheelock RD. **Hosp Prog** 56(10):60–3, Oct 75

Religion and medicine: partners in health. Wheelock RD. **Hosp Prog** 57(6):58–61, Jun 76

Hospital best setting for chaplaincy training. Worthy DL. **Hosp Prog** 57(2):65–9, Feb 76

Ministry to staff aids quality control. McKeever DA. **Hospitals** 49(14):181, 184, 16 Jul 75

Abdominal aortic aneurysm surgery in the Jehovah's Witness. Use of auto transfusion. Byrne MP. **Ill Med J** 150(1):87, 90, Jul 76

Contraception in ancient India. pp. 2–7. Keswani NH. **In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.**

Medical systems in a Taiwan village: Ong–ia–kong, the Plague God as modern physician. pp. 115–41. Martin KG. **In: Kleinman A, et al., ed. Medicine in Chinese cultures. Bethesda, NIH, 1976. WB 50 JC6 M44 1974.**

Stigmata—passion and punishment a modern case history. Copelan R. **J Am Soc Psychosom Dent Med** 22(3):85–90, 1975

Editorial: Adam's rib: essays on biblical medicine. Levin SS. **J Am Soc Psychosom Dent Med** 22(3):70, 1975

Jehovah's Witnesses and human tissue donation. Cleveland SE. **J Clin Psychol** 32(2):453–8, Apr 76

Morality and religion. Hepburn RW. **J Med Ethics** 2(2):93–4, Jun 76

Symposium population: moral issues. Swartwout JR. **J Reprod Med** 14(06):256–62, Jun 75

The master's touch. Dawson JH. **J Tenn Med Assoc** 68(9):699–704, Sep 75

Should the physician gaze eastward? Martin M. **JAMA** 236(7):835–6, 16 Aug 76

St Vitus (c 286–305 AD). Shampo MA, et al. **JAMA** 235(9):923, 1 Mar 76

Julius Preuss. Rosner F. **Med Hist** 19(4):376–88, Oct 75

Some aspects of Judaism and dentistry. Bloom MS. **NY J Dent** 46(5):166, May 76

Odontophilately. Drinnan AJ. **NY State Dent J** 42(5):279, May 76

Major surgery in Jehovah's witnesses. Gardner B, et al. **NY State J Med** 76(5):765–7, May 76

Problems of pilgrimages. Henderson RJ. **Postgrad Med J** 51(602):845–7, Dec 75

Attitudinal changes in medical students taking a course in human values. Kepler MO, et al. **South Med J** 69(1):21–3, Jan 76

Saints, medicine and art in the Middle Ages. Frey EF. **Tex Rep Biol Med** 33(2):251–63, 1975

Medical dilemma: a survey of the healing practice of a Coptic priest and an Ethiopian sheik. Workneh F, et al. **Trop Geogr Med** 27(4):431–9, Dec 75

Religious commitment in medical practice: a Jewish perspective. Adler M. **Yale J Biol Med** 49(3):295–300, Jul 76

Religious commitment in medical practice: a preface to the series. Duncombe DC. **Yale J Biol Med** 49(3):293–4, Jul 76

[30-years lasting controversy of the civil pharmacists in Prostějov with the order of Brothers of Mercy] Fröml F. **Cesk Farm** 24(10):455–8, Dec 75 **(Cze)**

[Transfusion and Jehovah's witnesses] Andreassen M. **Ugeskr Laeger** 138(30):1847–8, 19 Jul 76 **(Dan)**

[Blood transfusion. Religious beliefs and medical ethics] Larsen SJ. **Ugeskr Laeger** 138(30):1844–7, 19 Jul 76 (Eng. Abstr.) **(Dan)**

[A religious sect, its mental ill patients, its physician and its psychiatrists] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1(1):160–7, Jan 75 (Eng. Abstr.) **(Fre)**

[Public health problems induced through the pilgrimage to the holy places of Islam] Wone I, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):166–73, 1975 (Eng. Abstr.) **(Fre)**

[Acute hemodilution in normovolemia. Possibilities of major surgical operations without transfusion. Apropos of an esogastrectomy in a Jehovah's Witness] Testas P, et al. **Chirurgie** 101(4):266–71, 12–19 Mar 75 (Eng. Abstr.) **(Fre)**

[Blood transfusions and Jehovah's Witnesses] **Nouv Presse Med** 4(20):1513–8, 17 May 75 **(Fre)**

[Refusal to consent to a treatment by the parents of a minor child in danger of dying] De Touzalin H. **Nouv Presse Med** 4(20):1515–7, 17 May 75 **(Fre)**

[Refusal of a life–saving transfusion. To what extent may this refusal by a traffic accident victim influence the increase in damages and benefits solicited by those with a right to them?] Doll PJ. **Nouv Presse Med** 4(20):1517–8, 17 May 75 **(Fre)**

[Is it possible to consider a refusal of blood transfusion because of religious convictions?] Quénu L, et al. **Nouv Presse Med** 3(41–43):2575–6, 30 Nov–14 Dec 74 **(Fre)**

[A false historic representation of the martyrdom of St. Apollonia: decapitation] de Paiva Boléo J. **Schweiz Monatsschr Zahnheilkd** 86(2):188–97, Feb 76 **(Fre)**

[Letter: Transfusion refusal for religious causes] Haenisch G. **Dtsch Med Wochenschr** 100(51):2622, 19 Dec 75 **(Ger)**

[Old age and aging from the theological standpoint] pp. 212–9. von Loewenich W. **In: Doberauer W, ed. Scriptum geriatricum. München, Urban & Schwarzenberg, 1975. W3 IN973 1974s.** **(Ger)**

[Freedom and responsibility of the man. Moral–theological aphorisms in regard to some liberation attempts of our times] Gründel J. **Oeff Gesundheitswes** 37(1 Suppl):2–12, Feb 75 **(Ger)**

[Body and incarnation in biology and pathology. Formal address at the presentation of the Romano Guardino Prize on March 19, 1975] Büchner F. **Ther Ggw** 114(11):1819–40, Nov 75 **(Ger)**

[Ophthalmology in the Talmudic period. Part V. Ophthalmological treatment] Abraham FA, et al. **Harefuah** 88(12):582–4, 15 Jun 75 (Eng. Abstr.) **(Heb)**

[A painting of historical pharmaceutical interest: 'The Pharmacy of the Friars' by Giovanni Migliara (1785–1837)] Rocchietta S. **Minerva Med** 66(84):4554–7, 8 Dec 75 **(Ita)**

[Theology of the medical nemesis] Finkielman S. **Medicina (B Aires)** 35(4):426–9, Jul–Aug 75 **(Spa)**

RELIGION AND PSYCHOLOGY

Shared fantasy in Puritan sermons. Leverenz D. **Am Imago** 32(3):264–87, Fall 75

Letter: psychiatry and sectarians. Beckford JA. **Br J Psychiatry** 127:414–5, Oct 75

The mental health of Jehovah's Witnesses. Spencer J. **Br J Psychiatry** 126:556–9, Jun 75

Religion and medicine: partners in health. Wheelock RD. **Hosp Prog** 57(6):58–61, Jun 76

Aggression, error and truth: a reply to the discussion by Samuel Ritvo. La Porta EM. **Int J Psychoanal** 56(2):249–51, 1975

Intrafamilial interpersonal environment of schizophrenic patients of Hindu families. Sathyavathi K. **Int J Soc Psychiatry** 21(4):297–302, Winter 75

The effects of religious backgrounds on emotional problems. Minirth F. **J Arkansas Med Soc** 72(6):227–34, Nov 75

Socially reinforced obsessing: etiology of a disorder in a Christian Scientist. Cohen RJ, et al. **J Consult Clin Psychol** 44(1):142–4, Feb 76

Letter: Psychotherapy for religious neuroses? Comments on Cohen and Smith. London P. **J Consult Clin Psychol** 44(1):145–7, Feb 76

The effects of confession on altruism. Harris MB, et al. **J Soc Psychol** 96(Second Half):187–92, Aug 75

Attitude and personality characteristics of Australian Protestant fundamentalists. Stanley G, et al. **J Soc Psychol** 96(Second Half):291–2, Aug 75

The effect of trance on memory content. Goodman FD. **Psychiatr Clin (Basel)** 8(5):243–9, 1975

Psychopathology and ritual: Freud's essay 'obsessive actions and religious practises'. Gay VP. **Psychoanal Rev** 62(3):493–507, Fall 75

Relationship between religious orthodoxy and three personality variables. Heintzelman ME, et al. **Psychol Rep** 38(3 pt. 1):756–8, Jun 76

Personality and dogmatism among selected groups of orthodox jews. Hoffnung RA. **Psychol Rep** 37(3 PT 2):1099–106, Dec 75

[Public health problems induced through the pilgrimage to the holy places of Islam] Wone I, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):166–73, 1975 (Eng. Abstr.) **(Fre)**

[The phenomenon of possession. Conception and experiences of possession in youth] Bron B. **Confin Psychiatr** 18(1):16–29, 1975 (Eng. Abstr.) **(Ger)**

[Psychic roots of religion. Remarks with reference to the development of western Christianity] Klauber J. **Psyche (Stuttg)** 30(2):146–59, Feb 76 **(Ger)**

[The genesis of religious delusions—a 'Karel Gott delusion'] Pürgyi P, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 117(2):325–30, 1975 (Eng. Abstr.) **(Ger)**

RELIGION AND SCIENCE

Symbiosis: science and man. Hurley MJ. **Hosp Prog** 56(9):73–5, Sep 75

On giving equal time to the teaching of evolution and creation. Moore JA. **Perspect Biol Med** 18(3):405–17, Spring 75

The science–textbook controversies. Nelkin D. **Sci Am** 234(4):33–9, Apr 76

RELIGION AND SEX

Stigmata—passion and punishment a modern case history. Copelan R. **J Am Soc Psychosom Dent Med** 22(3):85–90, 1975

Marriage, the family, and sex–a Roman Catholic view. Springer RH. **Perspect Biol Med** 19(2):187–97, Winter 76

REMEDIAL TEACHING

Models of learning disability: their relevance to remediation. Kinsbourne M. **Can Med Assoc J** 113(11–12):1066–9, 13 Dec 75

Summer compensatory education: effects on learning disabled children. Leviton H, et al. **Except Child** 42(1):48–9, Sep 75

Therapeutic tutoring of retarded adolescents by medical students. Robinson I H. **J Am Acad Child Psychiatry** 15(2):343–56, Spring 76

In search of a language intervention lexicon. Schuster J, et al. **J Commun Disord** 8(1):1–14, Mar 75

An enrichment program for minority students. Birch JS, et al. **J Med Educ** 50(11):1059–60, Nov 75

Easing behaviour problems. Cook J. **Spec Educ Forward Trends** 2(1):15–7, Mar 75

Social skills for slow learners. Laing AF. **Spec Educ Forward Trends** 2(1):27–8, Mar 75

Banking with Little Heath. Lawes G. **Spec Educ Forward Trends** 1(3):23–4, Sep 74

Letter: More literature on adult illiterates. Pascoe T. **Spec Educ Forward Trends** 2(1):18, Mar 75

Recognising the right to read. Wells A. **Spec Educ Forward Trends** 2(1):8–11, Mar 75

METHODS

Supervision and site of instruction as factors in tutorial programs. Mayhall WF, et al. **Except Child** 42(3):151–4, Nov 75

Research with the SMART reading program. pp. 204–16. Camp BW. **In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.**

The effects of perceptual motor training on reading achievement. pp. 162–81. Hirsch SM, et al. **In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.** (55 ref.)

Model centers program for learning disabled children: historical perspective. pp. 10–26. Senf GM. **In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.**

Experiences with dyslexic children. 1. Diagnostic criteria. 2. Teaching methods. Miles TR. **Int J Soc Psychiatry** 21(4):259–61, Winter 75

REMISSION see under **DISEASE**

RENACIDIN see under **PHARMACEUTIC AIDS**

RENAL ARTERY

Peripheral embolization complicating bilateral renal infarction with gelfoam. Woodside J, et al. **Am J Roentgenol** 126(5):1033–4, May 76

Control of renal hemorrhage by selective arterial embolization. Chuang VP, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):300–6, Oct 75

Therapeutic renal arterial occlusion for elimination of proteinuria: 'medical nephrectomy'. Henrich WL, et al. **Arch Intern Med** 136(7):840–2, Jul 76

Proceedings: A new technique for ferrosilicone knifeless nephrectomy or partial nephrectomy for renal tumours of unilateral renal aetiology hypertension. Turner RD. **Br J Urol** 48(2):155, Apr 76

Renal artery aneurysm. **Ill Med J** 149(1):64–7, Jan 76

The nephrogram of normovolemic, renal artery hypotension. Korobkin M, et al. **Invest Radiol** 11(2):71–9, Mar–Apr 76

The effect of decreased renal artery perfusion pressure on intrarenal hemodynamics in the dog. Shanser JD, et al. **Invest Radiol** 10(6):569–82, Nov–Dec 75

Proceedings: Renal artery aneurysms: significance of macroaneurysms exclusive of dissectionns and fibrodysplastic mural dilatations. Stanley JC, et al. **J Cardiovasc Surg (Torino)** 17(1):85, Jan–Feb 76

Embolization of renal artery for carcinoma. Sporer A, et al. **J Med Soc NJ** 73(4):327–8, Apr 76

Indications for surgery on renal artery aneurysms. McCarron JP Jr, et al. **J Urol** 114(2):177–80, Aug 75

Percutaneous transfemoral embolization of arterio–infundibular–venous fistula. Pontes JE, et al. **J Urol** 116(1):98–100, Jul 76

Arterial embolization for control of renal hemorrhage. White RI Jr. **J Urol** 115(2):121–2, Feb 76 (22 ref.)

Renin/angiotensin system in hypertension after traumatic renal–artery thrombosis. von Knorring J, et al. **Lancet** 1(7966):934–6, 1 May 76

Therapeutic bilateral renal infarction in end–stage renal disease. McCarron DA, et al. **N Engl J Med** 294(12):652, 18 Mar 76

Hyperdynamic heart failure due to A–V fistula associated with Wilms' tumor. Sanyal SK, et al. **Pediatrics** 57(4):564–8, Apr 76

Autologous blood clot embolization into a bleeding renal artery pseudoaneurysm. Adler O, et al. **Radiol Clin (Basel)** 44(6):601–6, 1975

Tuberculous renal artery aneurysm: a case report. Robbs JV, et al. **S Afr Med J** 50(19):731–5, 1 May 76

The effect of temporary clamping of the renal vessels on the vascular resistance in rabbit kidneys. Bilde T. **Scand J Urol Nephrol** 10(1):52–5, 1976

Triple arteries in renal transplantation – a preliminary report. Lindfors O. **Scand J Urol Nephrol** (29 Suppl):73–4, 6–7 Mar 75

Renal vascular hypertension secondary to renal arterial aneurysm. Gil Montero GH, et al. **Urology** 6(5):647–9, Nov 75

Transcatheter embolization of renal arteriovenous fistula. Goldman ML, et al. **Urology** 6(3):386–8, Sep 75

[Congential arterio–venous aneurysms of the kidney: with reference to 3 cases (author's transl)] Brunier JL, et al. **Ann Radiol (Paris)** 18(5):559–67, Jul 75 (Eng. Abstr.) **(Fre)**

[Retroperitoneal hematoma caused by rupture of an aneurysm of the renal artery trunk. Survival] Guillou ML, et al. **J Urol Nephrol (Paris)** 81(10–11):785–91, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[A new technic of selective occulsion of a renal region by emoblization using a silicone suspension of iron granules directed externally by an electromagnet. Application to a case of cancer of the kidney] Turner RD, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):477–80, Dec 74 **(Fre)**

[Occlusion of the renal artery by intra–arterial injection of thrombin in a case of inoperable renal tumour (author's transl)] Georgi M, et al. **Dtsch Med Wochenschr** 100(47):2428–9, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[The influence of vitamin a, gentamicin and anoxaemia on urinary enzyme excretion (author's transl)] Kolb R, et al. **Wien Klin Wochenschr** 88(14):463–7, 16 Jul 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Case of renal hypertension caused by bilateral renal artery aneurysm] Haneda Y, et al. **Jpn Circ J** 39(7):889, Jul 75 **(Jpn)**

[Arteriovenous fistula associated with renal cell carcinoma of the kidney (author's transl)] Imagawa A, et al. **Jpn J Urol** 67(2):103–6, Feb 76 (Eng. Abstr.) **(Jpn)**

[Renal artery aneurysm complicated by renal infarction and hypertension] Dąbrowski A, et al. **Pol Tyg Lek** 31(22):949–50, 31 May 76 (Eng. Abstr.) **(Pol)**

[Isolated and combined lesions of renal arteries in patients with vaso–renal hypertension] Spiridonov AA. **Kardiologiia** 15(8):61–6, Aug 75 (Eng. Abstr.) **(Rus)**

[Primary dissecting aneurysm of interlobar renal artery] Nikulin A, et al. **Med Arh** 29(6):609–12, Nov–Dec 75 **(Ser)**

ABNORMALITIES

Crossed renal ectopia: angiographic findings in six cases. Rubinstein ZJ, et al. **Am J Roentgenol** 126(5):1035–8, May 76

Renovascular hypertension from renal artery compression by congenital bands. Silver D, et al. **Ann Surg** 183(2):161–6, Feb 76

Agonal phase, ischaemic times, and renal vascular abnormalities and outcome of cadaver kidney transplants. Hall CL, et al. **Br Med J** 3(5985):667–70, 20 Sep 75

Aneurysm of a polar renal artery. Cifarelli F, et al. **Surgery** 78(5):660–4, Nov 75

Microvascular techniques for polar artery reconstruction in kidney transplants. Merkel FK, et al. **Surgery** 79(3):253–61, Mar 76

[Variations in the origin of the renal artery (apropos of 800 arteriographies)] Kamina P, et al. **Arch Anat Pathol (Paris)** 23(4):287–90, Dec 75 **(Fre)**

[Kidney parenchymatous hypoplasia and arterial dysplasia in adult arterial hypertension. Data of selective renal arteriography] Latour H, et al. **Arch Mal Coeur** 68(11):1149–63, Nov 75 (Eng. Abstr.) **(Fre)**

[Pseudotumoral form of an abnormal kidney vascularization] Chansel JL, et al. **J Belge Radiol** 59:167–70, Mar–Apr 76 **(Fre)**

[Multiple renal arteries and their importance in surgery of aneurysm of the abdominal aorta] Tsakadze LO, et al. **Vestn Khir** 114(2):53–8, Feb 75 (Eng. Abstr.) **(Rus)**

[Fibromuscular dysplasia of the renal artery as an etiologic factor of arterial hypertension] Zečević D, et al. **Med Pregl** 29(1–2):27–31, 1976 (Eng. Abstr.) **(Ser)**

ANATOMY & HISTOLOGY

The renal artery system in the dog. Mierzwa J. **Folia Morphol (Warsz)** 34(3):337–48, 1975

Newer ultrasonographic anatomy in the upper abdomen: II. The major systemic veins and arteries with a special note on localization of the pancreas. Filly RA, et al. **J Clin Ultrasound** 4(2):91–6, Apr 76

Diameter of the afferent arteriole in the dog kidney estimated by the microsphere method. Ofstad J, et al. **Scand J Clin Lab Invest** 35(8):767–74, Dec 75

The morphological effects of chronic cadmium administration on the renal vasculature of rats given low and normal calcium diets. Fowler BA, et al. **Toxicol Appl Pharmacol** 34(2):233–52, Nov 75

[Renal morphology and the intrarenal blood flow] Lemańska Z, et al. **Pol Przegl Radiol** 39(3):337–45, May–Jun 75 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Reflex limb dilatation following norepinephrine and angiotensin II in conscious dogs. Vatner SF, et al. **Am J Physiol** 230(3):557–63, Mar 76

Effects of dopamine on the isolated rabbit renal artery partially contracted by potassium chloride. Urquilla PR. **Blood Vessels** 13(4):249–52, 1976

ENZYMOLOGY

Dopamine–sensitive adenylate cyclase in canine renal artery. Murthy VV, et al. **J Pharm Pharmacol** 28(7):567–71, Jul 76

IMMUNOLOGY

C3 deposition in renal arterioles in the loin pain and haematuria syndrome. Naish PF, et al. **Br Med J** 3(5986):746, 27 Sep 75

INJURIES

Renal artery injuries following blunt trauma. Göthlin J, et al. **Acta Chir Scand** 142(2):165–71, 1976

Renal artery and vein injury following blunt trauma. Sturm JT, et al. **Ann Surg** 182(6):696–8, Dec 75

Bilateral traumatic renal artery thrombosis with survival after hemodialysis and renal transplantation. Santino F, et al. **J Urol** 116(2):251–2, Aug 76

Renal artery dissection: a complication of catheter arteriography. Talner LB, et al. **Radiology** 117(2):291–5, Nov 75

Traumatic renal arteriovenous fistula treated by ligation and preservation of the kidney. Tveter KJ, et al. **Scand J Urol Nephrol** 9(3):289–92, 1975

Control of renal arterial bleeding after percutaneous biopsy. Barbaric ZL, et al. **Urology** 8(2):108–11, Aug 76

Traumatic renal artery thrombosis with acute malignant hypertension and hyperreninemia. Richie JP, et al. **Urology** 6(4):481–4, Oct 75

[Sub–adventitial traumatic rupture of the left renal artery (author's transl)] Fauré C, et al. **J Radiol Electrol Med Nucl** 57(4):291–6, Apr 76 (Eng. Abstr.) **(Fre)**

[Rupture of the intima of both renal arteries in blunt abdominal injury] Seeliger J. **Z Urol Nephrol** 69(4):281–4, Apr 76 **(Ger)**

[Traumatic renal artery rupture in a 13–year–old boy with developmental anomaly of kidneys (author's transl)] Sarrazin O, et al. **Pol Przegl Radiol** 40(3):225–7, May–Jun 76 (Eng. Abstr.) **(Pol)**

INNERVATION

The development of the adrenergic innervation of the renal vessels. p. 157. Fourman J. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

PATHOLOGY

Renal artery aneurysms. Significance of macroaneurysms exclusive of dissections and fibrodysplastic mural dilations. Stanley JC, et al. **Arch Surg** 110(11):1327–33, Nov 75

Postnephrectomy arteriovenous fistula. Maurer RM. **South Med J** 68(8):1013–4, Aug 75

[Hemodissection of the renal artery. Apropos of 4 cases] Buzelin F, et al. **Arch Anat Cytol Pathol** 24(3):227–30, 1976 **(Fre)**

[Analysis of vascular lesions in the biopsied kidney in systemic lupus erythematosus] Nagasawa T, et al. **Jpn J Nephrol** 17(4):209–14, Apr 75 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Renovascular resistance and noradrenaline. Bomzon L, et al. **Am J Physiol** 229(6):1649–53, Dec 75

Absence of estimated glomerular pressure autoregulation during interrupted distal delivery. Navar LG, et al. **Am J Physiol** 229(6):1596–1603, Dec 75

Renal vasoconstriction in naturally elicited fear and its habituation in baboons. Zbrozyna AW. **Cardiovasc Res** 10(3):295–300, May 76

PHYSIOPATHOLOGY

[Renal–coeliac anastomoses: their role in vascular, digestive, and renal pathology (author's transl)] Fays J, et al. **Ann Radiol (Paris)** 19(3):331–6, May 76 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

On the use of renal angiography and intravenous urography in the investigation of renovascular hypertension. Erikson U, et al. **Acta Med Scand** 198(1–2):39–44, Jul–Aug 75

Effects of vasopressin in experimental nephroangiography. Göthlin J, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):609–17, Nov 75

Magnification angiography in the evaluation of transplanted kidneys. Laasonen L, et al. **Acta Radiol [Diagn] (Stockh)** 17(2):200–8, Mar 76

Toxicity of metrizamide, meglumine iocarmate and sodium metrizoate in selective nephroangiography. An experimental investigation in rabbits. Skalpe IO, et al. **Acta Radiol [Suppl] (Stockh)** (335):175–85, 1973

The spotted nephrogram of renal scleroderma. Winograd J, et al. **Am J Roentgenol** 126(4):734–8, Apr 76

The angiographic evaluation of human renal allotransplants. Functional graft deterioration and hypertension. Beachley MC, et al. **Arch Surg** 111(2):134–42, Feb 76

Radiology now. Contrast media for coronary and renal angiography. Armstrong P. **Br J Radiol** 49(582):481–2, Jun 76

The evaluation of routine selective arteriography in the investigation of renovascular hypertension. Staab EV, et al. **Cathet Cardiovasc Diagn** 2(2):143–55, 1976

Adult Wilms' tumor. An appraisal of radiographic and angiographic features. Bernas E, et al. **J Med Soc NJ** 72(9):725–8, Sep 75

Renal arteriography in the evaluation of unexplained hypertension in children and adolescents. Korobkin M, et al. **J Pediatr** 88(3):388–93, Mar 76

Renal carcinoma discovered incidentally by arteriography during evaluation for hypertension. Kirchner FK Jr, et al. **J Urol** 115(6):643–5, Jun 76

Urologic manifestations of polyarteritis nodosa. Litvak AS, et al. **J Urol** 115(5):572–4, May 76

Effect of prolonged administration of clonidine to spontaneously hypertensive rats on blood pressure, cerebral norpinephrine content and angiographic finding in the kidney. Sugimoto S, et al. **Jpn Circ J** 40(4):319–28, Apr 76

Bulbous splenic vein as a cause of renal pseudotumor. Hyman RA. **Radiology** 120(3):551–2, Sep 76

Angiographic appearance of the renal vein in a case of fibromuscular dysplasia of the artery. Rosenberger A, et al. **Radiology** 118(3):579–80, Mar 76

Angiographic evaluation of renal allografts. Nilson AE. **Scand J Urol Nephrol** (29 Suppl):85–7, 6–7 Mar 75

Gamma–camera scintigraphy and renal angiography after transplantation. Wibell L, et al. **Scand J Urol Nephrol** (29 Suppl):95–9, 6–7 Mar 75

Angiographic evaluation of machine perfused kidneys. Dreikorn K. **Urol Res** 3(3):123–7, 29 Oct 75

[Advantages and disadvantages of renal angiographic methods] Rauste J, et al. **Duodecim** 92(2):66–74, 1976 **(Fin)**

[Renal angiography by venous route in its principal clinical applications] Bompiani C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:482–4, 1975 **(Fre)**

[Contribution of angiography in kidney transplants and their complications] Del Favero C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:479–81, 1975 **(Fre)**

[Arteriography in polyarteritis nodosa. 15 cases (author's transl)] D'izarn JJ, et al. **J Radiol Electrol Med Nucl** 57(6–7):505–9, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[Angiography and renin determination in the diagnosis of renal hypertension] Feltrin GP, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:487, 1975 **(Fre)**

[X–ray examination in arterial hypertension] Michelassi PL, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:488–90, 1975 **(Fre)**

[Selective arteriography of the small branches of the abdominal aorta] Roversi R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:686–8, 1975 **(Fre)**

[Correlation between renal arteriography and renin levels in patients with hypertension] Simonetti G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:484–7, 1975 **(Fre)**

[Angiographic importance of various aspects of renal tumors] Ziviello M, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:492–4, 1975 **(Fre)**

[The preoperative diagnosis of an intrahepatic aneurysm of the renal artery with hemobilia] Futh U, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):590–1, Dec 75 **(Ger)**

[Examinations of picture quality with contrast medium–filled tubes in angiography especially in selective renovasography (author's transl)] Andersson O. **Radiol Diagn (Berl)** 16(2):247–53, 1975 (Eng. Abstr.) **(Ger)**

[Importance of renovasographic examination method in renal tumour diagnosis (author's transl)] Banzhaf E, et al. **Radiol Diagn (Berl)** 16(2):235–45, 1975 (Eng. Abstr.) **(Ger)**

[The value of roentgen examination in reno–vascular hypertension (author's transl)] Bookstein JJ. **Radiologe** 15(4):139–48, Apr 75 (Eng. Abstr.) **(Ger)**

[Aneurysmatic changes of renal arteries in the angiogram (author's transl)] Keller H, et al. **Roentgenblaetter** 28(7):327–33, Jul 75 (Eng. Abstr.) **(Ger)**

[Renal arteriography and x–ray diagnosis of renal

hypertension] Momose T, et al. **Jpn J Nephrol** 16(5):494–8, May 74 **(Jpn)**

[Morphological study of the main renal artery and nephrography in cerebral thrombosis —observation by serial renal arteriography] Murakami S. **Jpn J Nephrol** 16(5):537–51, May 74 (Eng. Abstr.) **(Jpn)**

[Case of avulsion of renal vascular peduncle diagnosed preoperatively by means of angiography] Kazoń M, et al. **Pol Przegl Chir** 47(11A):1471–3, Nov 75 (Eng. Abstr.) **(Pol)**

[Intravenous urography and renal angiography in renovascular disease] Erikson U, et al. **Lakartidningen** 73(3):143–5, 14 Jan 76 (Eng. Abstr.) **(Swe)**

SURGERY

Combined aortic and renal artery reconstruction. Brewster DC, et al. **Am J Surg** 131(4):457–63, Apr 76

A new technique for resection of thoracoabdominal aneurysms. McCaughan JJ Jr, et al. **Am Surg** 41(10):611–4, Oct 75

Ex vivo renal artery reconstruction. Belzer FO, et al. **Ann Surg** 182(4):456–63, Oct 75

Aortoenteric fistula. A complication of renal artery bypass graft. Shaigany A, et al. **Arch Intern Med** 136(8):930–2, Aug 76

Renal arteriovenous fistula treated by endofistulorrhaphy. Enrlich RM. **Arch Surg** 110(10):1195–8, Oct 75

Aortorenal arterial autografts. Lye CR, et al. **Arch Surg** 110(11):1321–6, Nov 75

Vascularization of the kidney after autovenoplasty of the renal artery. Djavakhishvili N, et al. **Bibl Anat** 13:319–20, 1975

Conjoined arterial anastomosis; an aid in revascularizing donor kidneys with multiple renal arteries. Banowsky LH, et al. **Cleve Clin Q** 42(3):247–53, Fall 75

Aortic aneurysms involving the origin of the renal arteries. A simple solution to a complicated problem. Daugherty HK, et al. **Coll Works Cardiopulm Dis** 19:23–6, Apr 73

Results of surgical treatment of renovascular hypertension. Foster JH, et al. **J Cardiovasc Surg (Torino)** Spec No:169–74, 1973

Our procedure in renal artery operations. Hejhal L, et al. **J Cardiovasc Surg (Torino)** Spec No:197–9, 1973

Proceedings: Aortorenal arterial autografts: late observations. Lye CR, et al. **J Cardiovasc Surg (Torino)** 17(1):84–5, Jan–Feb 76

Arteriovenous fistula of the renal vessels: Surgical management. Cummings KB, et al. **J Urol** 114(5):776–8, Nov 75

Hepatorenal artery bypass in the management of renovascular hypertension. Libertino JA, et al. **J Urol** 115(4):369–72, Apr 76

Bilateral renal artery reconstruction. A ten-year arteriographic follow-up. Dean RH, et al. **JAMA** 235(9):938–40, 1 Mar 76

Aneurysms of the renal artery with a case of extracorporeal repair. Gaylis H, et al. **S Afr Med J** 49(47):1963–6, 8 Nov 75

Microvascular surgery: adjunct to renal transplantation. Castro Ferreira M, et al. **Urology** 6(6):733–4, Dec 75

[Giant renal artery aneurysm of a solitary kidney. Repair by extracorporeal surgery followed by autotransplantation. Recovery with 1-year follow-up] Archimbaud JP, et al. **Chirurgie** 101(6):408–14, 30 Apr–7 May 75 (Eng. Abstr.) **(Fre)**

[Pressure-induced bleeding duodenal ulcer and posterior-wall myocardial infarct as complications of the anastomosis of aorta with right renal artery] Gaertner H, et al. **Wiad Lek** 29(7):625–9, 1 Apr 76 (Eng. Abstr.) **(Pol)**

[Viability of the kidney following autovenoplasty of its artery] Dzhavakhishvili NA, et al. **Arkh Anat Gistol Embriol** 69(11):5–13, Nov 75 (Eng. Abstr.) **(Rus)**

[Surgical treatment of aneurysm of the abdominal aorta and its branches] Pokrovskii AV, et al. **Kardiologiia** 15(12):12–7, Dec 75 (Eng. Abstr.) **(Rus)**

[Technic of ligation of renal vessels during nephrectomy] Moroz MA. **Klin Khir** (8):74–5, Aug 75 **(Rus)**

[Splenic and renal artery anastomosis in vasorenal hypertension] Bulynin VI, et al. **Vestn Khir** 115(12):88–9, Dec 75 **(Rus)**

[Clinical problems of vascular surgery during transplantation of the kidney] Shumakov VI. **Vestn Khir** 114(2):50–3, Feb 75 (Eng. Abstr.) **(Rus)**

[Ligation of the renal artery] Zaitsev EI, et al. **Vestn Khir** 115(10):137–142, OCT 75 (110 ref.) **(Rus)**

TRANSPLANTATION

Kidney transplantation using cadaveric kidney having three separate renal arteries. Dagher FJ, et al. **Am Surg** 42(1):8–12, Jan 76

ULTRASTRUCTURE

Endothelial surfaces of renal, coronary, and cerebral arteries. pp. 217–24. Buss H, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

RENAL ARTERY OBSTRUCTION

Renal artery stenosis. Watt JK.

J Cardiovasc Surg (Torino) 16(6):609–11, Nov–Dec 75

The occluded renal artery. Magilligan DJ Jr, et al. **Surgery** 78(6):730–8, Dec 75

[Permanent stop of renal circulation by embolisation with microspheres. Preliminary report (author's transl)] Barth K, et al. **Urologe [A]** 14(5):250–2, Sep 75 (Eng. Abstr.) **(Ger)**

[Renal embolism] Miguel Alonso JL, et al. **Rev Clin Esp** 140(4):311–4, 29 Feb 76 **(Spa)**

BLOOD

Plasma renin activity during development of experimental renal hypertension in dogs. Basso N, et al. **Acta Physiol Lat Am** 24(5):563–8, 1974

Blood pressure and plasma angiotensin II concentration after renal artery constriction and angiotensin infusion in the dog. (5-Isoleucine)angiotensin II and its breakdown fragments in dog blood. Caravaggi AM, et al. **Circ Res** 38(4):315–21, Apr 76

Experience with renal vein renin ratios in the identification of a pressor kidney. Figueroa JE, et al. **South Med J** 68(10):1200–6, Oct 75

Relationship between collateral development and renin in experimental renal arterial stenosis. Ernst CB, et al. **Surgery** 80(2):252–8, AUG 76

[Plasma renin activity, blood circulation and oxygen consumption of kidneys as parameters for the evaluation of functional efficiency in renal artery stenoses] Meurer KA, et al. **Verh Dtsch Ges Inn Med** 81:1077–8, 1975 **(Ger)**

COMPLICATIONS

Unilateral renovascular hypertension in the dog. Lupu AN, et al. **Adv Nephrol** 2:165–79, 1972

Hypertension with renal arterial stenosis: humoral, hemodynamic and histopathologic factors. Messerli FH, et al. **Am J Cardiol** 36(5):702–7, 31 Oct 75

Embolic control of hypertension caused by segmental renal artery stenosis. Reuter SR, et al. **Am J Roentgenol** 127(3):389–92, Sep 76

Acute anuria secondary to renal artery stenosis. Thomas JM, et al. **Ann Surg** 183(3):293–5, Mar 76

Arterial hypertension and neurofibromatosis: renal artery stenosis and coarctation of abdominal aorta. Schürch W, et al. **Can Med Assoc J** 113(9):879–85, 8 Nov 75 (43 ref.)

Changes in the pulse wave form with flow through vessels with repetitive saccular dilatations and stenosis. Reich SB, et al. **Invest Radiol** 10(6):622–6, Nov–Dec 75

Long-term results in the surgical management of renovascular hypertension due to arteriosclerosis of the renal arteries. Fiorani P, et al. **J Cardiovasc Surg (Torino)** Spec No:183–7, 1973

Proceedings: The occluded renal artery. Nelson RM. **J Cardiovasc Surg (Torino)** 17(1):96, Jan–Feb 76

Nephrectomy for renovascular hypertension in azotemic patients. Haines JG, et al. **J Urol** 114(6):828–31, Dec 75

Post-obstructive anuria: a documented entity. Shearlock KT, et al. **J Urol** 115(2):212–3, Feb 76 (8 ref.)

Diagnosis and management of arterial stenosis causing hypertension after successful renal transplantation. Smith RB, et al. **J Urol** 115(6):639–42, Jun 76

Reversible renal failure following bilateral renal artery occlusive disease. Clinical features, pathology, and the role of surgical revascularization. Besarab A, et al. **JAMA** 235(26):2838–41, 28 Jun 76

Renal abnormalities and vascular complications in primary hyperaldosteronism. Evidence on tertiary hyperaldosteronism. Beevers DG, et al. **Q J Med** 69(179):401–10, Jul 76

Reversal of renal failure and control of hypertension in patients with occlusion of the renal artery. May J, et al. **Surg Gynecol Obstet** 143(3):411–3, Sep 76

[Stethoscopic examination over the regions of the renal arteries in cases of arterial hypertension] Porsman O. **Ugeskr Laeger** 138(33):2005, 9 Aug 76 (Eng. Abstr.) **(Dan)**

[Neurofibromatosis with renal artery stenosis—a case report] Seipelt H, et al. **Kinderaerztl Prax** 43(12):549–54, Dec 75 **(Ger)**

[Nephrovascular hypertension. Medical aspects] Sala G. **Minerva Med** 66(79):4154–7, 21 Nov 75 **(Ita)**

[Nephrovascular hypertension. Introduction to the round-table discussion] Vercellone A. **Minerva Med** 66(79):4132–4, 21 Nov 75 **(Ita)**

[Surgical treatment of renovascular hypertension in patients with contralateral kidney lesions] Cinotti GA, et al. **Minerva Nefrol** 21(4):340–6, Jul–Aug 74 **(Ita)**

CONGENITAL

Renovascular hypertension from renal artery compression by congenital bands. Silver D, et al. **Ann Surg** 183(2):161–6, Feb 76

DIAGNOSIS

Diazoxide-induced renin release in diagnosis of remediable renovascular hypertension. Stokes GS, et al. **Aust NZ J Med** 6(1):26–9, Feb 76

Renovascular hypertension: the role of the urologist. Fair WR. **J Urol** 114(5):655–65, Nov 75 (63 ref.)

Acute renal artery occlusion. McRae CU. **NZ Med J** 82(552):344–6, 26 Nov 75

Diagnostic value of renography for detection of unilateral renal or renovascular disease in hypertensive patients. Giese J, et al. **Scand J Clin Lab Invest** 35(4):307–10, Jul 75

Renal artery stenosis—then and now. Birchall R, et al. **South Med J** 68(9):1109–15, Sep 75 (16 ref.)

[Contributions of radioisotope renography] Meldolesi U. **Minerva Med** 66(79):4158–61, 21 Nov 75 **(Ita)**

[17 cases of renal artery stenosis] Oikawa H, et al. **Jpn J Clin Med** 33(12):3452–8, Dec 75 **(Jpn)**

ETIOLOGY

Radiation-induced renovascular hypertension. Staab GE, et al. **Am J Roentgenol** 126(3):634–7, Mar 76

Renal artery stenosis: a complication of needle puncture for manometry. Case of subintimal dissection with spontaneous resolution. Kaufman JJ. **Am J Surg** 130(3):347–50, Sep 75

Renal artery stenosis after renal transplantation. Schacht RA, et al. **Am J Surg** 131(6):653–7, Jun 76

Renal artery stenosis secondary to essential thrombocythemia. Kirubakaran MG, et al. **J Assoc Physicians India** 23(3):213–6, Mar 75

Extra-adrenal pheochromocytoma producing renal artery stenosis. Raghavaiah NV, et al. **J Urol** 116(2):243–5, Aug 76

Pheochromocytoma with renal artery stenosis and high plasma renin activity. Ishibashi M, et al. **Jpn Heart J** 16(6):741–8, Nov 75

Renal artery dissection: a complication of catheter arteriography. Talner LB, et al. **Radiology** 117(2):291–5, Nov 75

Preanastomotic arterial stenosis in renal transplant recipients. A report of four cases. Frödin L, et al. **Scand J Urol Nephrol** 9(1):66–70, 1975

Artery steonsis in renal transplantation. Henriksson C, et al. **Scand J Urol Nephrol** (29 Suppl):89–90, 6–7 Mar 75

Traumatic renal artery thrombosis with acute malignant hypertension and hyperreninemia. Richie JP, et al. **Urology** 6(4):481–4, Oct 75

[Changes in the systemic circulation in dysreactive mesenchymopathies with special reference to fibromuscular hyperplasia] Marchisio V, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:677–9, 1975 **(Fre)**

[Hypertension and bilateral stenosis of the renal artery associated with congenital hypoplasia of the intrahepatic bile ducts (author's transl)] Exss R, et al. **Eur J Pediatr** 121(2):125–39, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Obliterative intimofibrosis of the renal arteries under the influence of hemodialysis in patients with chronic renal insufficiency (author's transl)] Zobl H, et al. **Virchows Arch [Pathol Anat]** 369(2):131–41, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Renal thromboembolism in mitral valve disease. Emergency embolectomy and possible correction of the valve defect (experience in 4 cases)] D'Alessandro LC, et al. **Cardiol Prat** 25(4):365–70, Oct–Dec 74 (Eng. Abstr.) **(Ita)**

[Renal embolism of cardiac cause. Personal experience] Alonso JL, et al. **Rev Clin Esp** 140(4):351–7, 29 Feb 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Lesions of immature renal parenchyma in the region of an abnormal aortic polar artery during arterial hypertension in the young adult. anatomo-clinical example] Latour H, et al. **Arch Mal Coeur** 68(6):571–4, Jun 75 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The renal blood supply in oliguric states: when is a kidney ischemic? A fundamental in cardiology. Hollenberg NK, et al. **Am Heart J** 91(2):255–61, Feb 76

Kidney pressures after temporary renal artery occlusion in the rat. Tanner GA, et al. **Am J Physiol** 230(4):1173–81, Apr 76

Proceedings: The surgical implications of vascular anastomoses in the kidney. Rothwell DL. **Br J Urol** 48(2):154, Apr 76

Renal collateral blood supply after acute unilateral renal artery occlusion. Hessel SJ, et al. **Invest Radiol** 10(5):490–9, Sep–Oct 75

Proceedings: Sequential changes of renal function after temporary renal artery occulusion. Honda N, et al. **J Physiol Soc Jpn** 36(8–9):370–1, 1 Sep 74

Renal arteriolar obstruction without hypertension. Fisher ER, et al. **Nephron** 16(6):433–8, 1976

The collateral blood flow and hippuran clearance of the rabbit kidney after occlusion of the renal artery. Dahlager JI, et al. **Scand J Urol Nephrol** 10(2):115–9, 1976

[Maximal kidney concentrating ability in patients with renal artery stenosis] Nádvorníková H, et al. **Vnitr Lek** 21(10):937–47, Oct 75 (Eng. Abstr.) **(Cze)**

[Experimental and clinical investigations in pathophysiology of renal artery stenosis (author's transl)] Kivelitz H, et al. **Langenbecks Arch Chir** 340(3):147–58, 10 Feb 76 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Pharmacoangiographic manipulation of renal collateral blood flow. Bookstein JJ, et al. **Circulation** 54(2):328–34, Aug 76

Experimental renal artery thromboembolism. Kelly KM, et al. **Invest Radiol** 11(2):88–97, Mar–Apr 76

Traumatic renal artery occlusion: 21 cases. Stables DP, et

al. **J Urol** 115(3):229–33, Mar 76
[Arterial changes in transplanted kidneys] Baert A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:481–2, 1975 **(Fre)**
[Renal angiography by venous route in its principal clinical applications] Bompiani C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:482–4, 1975 **(Fre)**
[Abdominal visceral pharmacoangiography] Castrucci A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:682–4, 1975 **(Fre)**
[The diagnosis of renal hypertension (author's transl)] Bédos F, et al. **J Urol Nephrol (Paris)** 81(1–2):15–29, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Obstruction of the renal artery in the angiogram] Platzbecker H, et al. **Z Urol Nephrol** 68(5):347–56, May 75 **(Ger)**
[X-ray diagnosis of nephrovascular hypertension] Belli I. **Minerva Med** 66(79):4139–50, 21 Nov 75 **(Ita)**

SURGERY

Renal arterial stenosis and hypertension. II. Current criteria for surgery. Shapiro AP, et al. **Am J Cardiol** 37(7):1065–8, Jun 76
Combined aortic and renal artery reconstruction. Brewster DC, et al. **Am J Surg** 131(4):457–63, Apr 76
The renal compression syndrome. Krane RJ, et al. **Am J Surg** 132(3):396–9, Sep 76
Renal transplant arterial stenosis: amelioration of hypertension and improvement of transplant function after revascularization. Ernst CB, et al. **Am Surg** 42(5):319–25, May 76
Use of dacron vascular graft in arterial stenosis following renal allotransplantation. Munda R, et al. **Am Surg** 42(8):604–6, Aug 76
Role of nephrectomy in hypertension with renal artery occlusion. Bourdeau GV, et al. **Can Med Assoc J** 114(2):132–4, 24 Jan 76
Results of surgical treatment of renovascular hypertension. Foster JH, et al. **J Cardiovasc Surg (Torino)** Spec No:169–74, 1973
Renovascular hypertension in a child. Goldstein M, et al. **J Cardiovasc Surg (Torino)** Spec No:188–91, 1973
Problems in surgical treatment of renovascular hypertension. Heberer G, et al. **J Cardiovasc Surg (Torino)** Spec No:193–6, 1973
Our procedure in renal artery operations. Hejhal L, et al. **J Cardiovasc Surg (Torino)** Spec No:197–9, 1973
Antihypertensive effect of surgical treatment in reno–vascular hypertension. Maiz HB, et al. **J Cardiovasc Surg (Torino)** Spec No:200–6, 1973
Surgery for renovascular hypertension. Maruyama Y, et al. **J Cardiovasc Surg (Torino)** Spec No:207–10, 1973
Renovascular hypertension: does the renal vein renin ratio predict operative results? Marks LS, et al. **J Urol** 115(4):365–8, Apr 76
Revascularization of the kidney after occlusion of the aorta and both renal arteries. Hertzer NR, et al. **Surgery** 79(1):52–6, Jan 76
Isolated metachronous renal artery emboli. Patel HD, et al. **Surgery** 79(1):37–41, Jan 76 (32 ref.)
Postoperative course of blood pressure and plasma renin activity in patients with renovascular hypertension. Otsuka Y, et al. **Tohoku J Exp Med** 118(1):35–43, Jan 76
Letter: Acute renal artery thrombosis and kidney salvage. Beczke S. **Urology** 7(2):237, Feb 76
[Surgical treatment of stenosis of the renal artery, report of 24 cases operated cases (author's transl)] Logeais Y, et al. **Ann Chir** 30(3):237–43, Mar 76 (Eng. Abstr.) **(Fre)**
[Restorative surgical treatment of renal artery stenosis in the child. Concerning 5 cases (author's transl)] Cukier J, et al. **J Urol Nephrol (Paris)** 81(10–11):729–43, Oct–Nov 75 **(Fre)**
[Extra–corporeal renal surgery for distal arterial stenosis with the use of a free graft of hypogastric artery and autotransplantation. Apropos of a case] Faure G, et al. **J Urol Nephrol (Paris)** 81(1–2):133–44, Jan–Feb 75 **(Fre)**
[Treatment of renal artery stenosis by autologous transplantation, apropos of 4 cases] Faure G, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):514–21, Dec 74 **(Fre)**
[The question of indication for surgery in renovascular hypertension] Esch I, et al. **Acta Med Austriaca** 2(1):18–26, 1975 (Eng. Abstr.) **(Ger)**
[Embolic occlusion of the left renal artery with a non–functioning right kidney] Awender R, et al. **Dtsch Med Wochenschr** 101(26):1003–4, 25 Jun 76 (Eng. Abstr.) **(Ger)**
[Surgical recanalization of visceral vessels] Lakner G, et al. **Orv Hetil** 117(16):953–9, 18 Apr 76 **(Hun)**
[Emergency renal thromboembolectomy in mitral valvulopathy with eventual correction of the valvular defect. Experience in 4 successfully operated cases] D'Alessandro LC, et al. **Boll Soc Ital Cardiol** 20(2):151–6, 1975 (Eng. Abstr.) **(Ita)**
[Surgical treatment of nephrovascular hypertension] Caluzzi F, et al. **Minerva Med** 66(79):4151–3, 21 Nov 75 **(Ita)**
[Transaortic restoration of renal artery patency by means of eversion] Misiuna P, et al. **Pol Przegl Chir** 48(2):159–62, Feb 76 (Eng. Abstr.) **(Pol)**
[Reaction of the hypothalamo–hypophyseal neurosecretory system to surgical intervention in renal ischemia in dogs of various ages] Brin VB. **Patol Fiziol Eksp Ter** (3):73–5, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Thromboendarterectomy of the aorta and renal arteries in vaso–renal hypertension] Pokrovskiĭ AV, et al. **Vestn Khir** 114(9):3–9, Sep 75 (Eng. Abstr.) **(Rus)**

THERAPY

Regression of atherosclerotic stenosing lesions of the renal arteries and spontaneous cure of systemic hypertension through control of hyperlipidemia. Basta LL, et al. **Am J Med** 61(3):420–3, Sep 76

URINE

Changes in circadian sodium excretion in patients with essential hypertension and with renal artery stenosis. Stříbrná J, et al. **Cor Vasa** 18(1):11–25, 1976
Urinary kallikrein in dogs with constriction of one renal artery. Keiser HR, et al. **Proc Soc Exp Biol Med** 151(1):53–6, Jan 76

RENAL ARTERY STENOSIS see under **RENAL ARTERY OBSTRUCTION**

RENAL CORTICAL NECROSIS see **KIDNEY CORTEX NECROSIS**

RENAL FAILURE, ACUTE see **KIDNEY FAILURE, ACUTE**

RENAL FAILURE, CHRONIC see **KIDNEY FAILURE, CHRONIC**

RENAL OSTEODYSTROPHY

Renal rickets? Zeier FG. **J Indiana State Med Assoc** 68(12):1017–20, Dec 75
[Renal osteodystrophy] Honoré M, et al. **Ugeskr Laeger** 137(34):1939–41, 18 Aug 75 (Eng. Abstr.) **(Dan)**
[Osteosclerosis in chronic renal insufficiency in children] Cohen Solal D, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:112–3, 1975 **(Fre)**
[Uremic osteodystrophy] Fiaschi E. **Minerva Nefrol** 22(4–5):169–71, Jul–Oct 75 **(Ita)**

BLOOD

[Immunoreactive parathyroid hormone, 25–hydroxycalciferol and bone histology in renal osteodystrophy (author's transl)] Offermann G, et al. **Klin Wochenschr** 54(13):625–32, 1 Jul 76 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Slipped epiphyses in renal osteodystrophy. Mehls O, et al. **Arch Dis Child** 50(7):545–54, Jul 75

DIAGNOSIS

The investigation and treatment of renal bone disease. Catto GR, et al. **Am J Med** 61(1):64–73, Jul 76
Clinical and laboratory considerations in metabolic bone disease. Smith LH, et al. **Ann Clin Lab Sci** 5(4):252–6, Jul–Aug 75 (13 ref.)
Renal osteodystrophy—an unusual presentation in a 22 week–old infant. Greenwood RD, et al. **Ill Med J** 148(3):222–3, Sep 75
Bone densitometry with L125 in the study of uraemic osteropathy: semeiological signifiance and limitations. Mastrangelo F, et al. **J Urol Nephrol (Paris)** 82(4–5):319–24, Apr–May 76
Assessment of renal osteodystrophy following renal transplantation. Pierides AM, et al. **Proc Eur Dial Transplant Assoc** 11:481–7, 1975
[Osteodystrophy in chronic renal insufficiency. Clinical, histologic, radiologic and radioisotope study] Rimondi C, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:346, 1975 **(Fre)**
[In vivo analysis of calcium content by localized neutronic radioactivation using a source of californium 252. Value in renal osteodystrophy] Zech P, et al. **J Urol Nephrol (Paris)** 82(4–5):315–9, Apr–May 76 **(Fre)**

DRUG THERAPY

L–alpha–hydroxycholecalciferol treatment of adults with chronic renal failure. Madsen S, et al. **Acta Med Scand** 200(1–2):1–5, 1976
Whole–body in–vivo neutron activation analysis in assessing treatment of renal osteodystrophy with 1–alpha–hydroxycholecalciferol. Naik RB, et al. **Br Med J** 2(6027):79–83, 10 Jul 76
1alpha–hydroxycholecalciferol and 25–hydroxycholecalciferol in renal bone disease. Fournier AE, et al. **Calcif Tissue Res** 21 Suppl:226–35, Aug 76
Comparative effect of 1alpha–hydroxycholecalciferol in children and adults with renal glomerular osteodystrophy. Henderson RG, et al. **Calcif Tissue Res** 21 Suppl:221–5, Aug 76
1 alpha–hydroxycholecalciferol in hemodialysis renal osteodystrophy. Adverse effects of anticonvulsant therapy. Pierides AM, et al. **Clin Nephrol** 3(2):189–96, Apr 76
Experimental renal osteodystrophy. The response to 25–hydroxycholecalciferol and dicholomethylene diphosphate therapy. Russell JE, et al. **J Clin Invest** 56(3):548–54, Sep 75
Histological, hormonal, biochemical and radiological evaluation of vit. D therapy in osteodystrophy patients on RDT. Brancaccio D, et al. **J Urol Nephrol (Paris)** 82(4–5):359–62, Apr–May 76
1alpha–hydroxycholecalciferol. Long–term treatment of patients with uraem... osteodystrophy. Nielsen SP, et al. **Nephron** 16(5):359–70, 1976
The investigation and treatment of renal osteodystrophy. Catto GR, et al. **Proc Eur Dial Transplant Assoc** 11:473–80, 1975
1 alpha hydroxycholecalciferol and 25 hydroxycholecalciferol in renal bone disease. Fournier AE, et al. **Proc Eur Dial Transplant Assoc** 12:227–36, 1976
Long–term treatment of uraemic osteodystrophy with 1–alpha–hydroxycholecalciferol. Nielsen SP, et al. **Proc Eur Dial Transplant Assoc** 12:221–6, 1976
Long term therapy with 1,25(OH)2D3 in dialysis bone disease. Pierides AM, et al. **Proc Eur Dial Transplant Assoc** 12:237–44, 1976
[Treatment of severe renal osteodystrophies by 25–OH cholecalciferol] Meyrier A, et al. **J Urol Nephrol (Paris)** 82(4–5):370, Apr–May 76 **(Fre)**
[Treatment of renal osteodystrophy by high doses of vitamin d3] Verberckmoes R, et al. **J Urol Nephrol (Paris)** 82(4–5):311, Apr–May 76 **(Fre)**
[Comparative clinical and histomorphological studies on the therapy of renal osteopathy using vitamin D and 5,6–trans–25–OHCC] Schulz W, et al. **Verh Dtsch Ges Inn Med** 81:976–80, 1975 **(Ger)**
[Renal osteodystrophy in children—therapy of severe mixed form] Suchánek A, et al. **Cesk Pediatr** 31(5):267–70, May 76 **(Slo)**

ETIOLOGY

Bone scan in chronic dialysis patients with evidence of secondary hyperparathyroidism and renal osteodystrophy. Sy WM, et al. **Br J Radiol** 48(575):878–84, Nov 75
Bone mass in maintenance haemodialysis. Prospective study with sequential biopsies. Malluche HH, et al. **Eur J Clin Invest** 6(4):265–71, 30 Jul 76
Evolution of renal osteodystrophy: correlation of bone histomorphometry and serum mineral and immunoreactive parathyroid hormone values before and after treatment with calcium carbonate or 25–hydroxycholecalciferol. Bordier PJ, et al. **Kidney Int [Suppl]** (2):102–12, Jan 75
Recommendations for the treatment of renal osteodystrophy in dialysis patients. Slatopolsky E. **Kidney Int [Suppl]** (2):253–5, Jan 75
Osteodystrophy in patients with chronic renal failure. Fearing MO. **Nurs Clin North Am** 10(3):461–8, Sep 75
Evolving aspects of uremic osteodystrophy in the dialized patient. Zucchelli P, et al. **J Urol Nephrol (Paris)** 82(4–5):325–8, Apr–May 76 **(Fre)**
[Renal osteopathy and bone mineralisation in patients treated with dihydrotachysterol during long term dialysis (author's transl)] Pogglitsch H, et al. **Munch Med Wochenschr** 118(5):131–6, 30 Jan 76 (Eng. Abstr.) **(Ger)**
[Renal osteopathy] Binswanger U. **Schweiz Med Wochenschr** 105(50):1683–90, 13 Dec 75 (Eng. Abstr.) **(Ger)**
[Pathogenesis of osteopathy in chronic renal insufficiency] Vel'tishchev IuE. **Pediatriia** (2):66–70, Feb 74 (51 ref.) **(Rus)**

METABOLISM

Proceedings: Bone mineral analysis in renal osteodystrophy. Diamond LH, et al. **Am J Roentgenol** 126(6):1291–2, Jun 76
Proceedings: The need for differential bone mineral standards for blacks. Mayor GH, et al. **Am J Roentgenol** 126(6):1293–7, Jun 76
Proceedings: Bone demineralization in renal failure: a longitudinal study of the distal femur using photon absorptiometry. Overton TR, et al. **Am J Roentgenol** 126(6):1289–91, Jun 76
Proceedings: The effect of chronic renal failure and maintenance hemodialysis on bone mineral content of the radius. Parfitt AM, et al. **Am J Roentgenol** 126(6):1292–3, Jun 76
Effect of progressive end–stage renal insufficiency on bone mineral–collagen maturation. Russell JE, et al. **Kidney Int [Suppl]** (2):97–101, Jan 75 (31 ref.)
[Collagen metabolism and mineralization of uremic bone—aspects of the molecular pathology of renal osteodystrophy] Heidbreder E, et al. **Klin Wochenschr** 54(8):341–8, 15 Apr 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Iliac bone marrow mast cells in relation to the renal osteodystrophy of patients treated by haemodialysis. Ellis HA, et al. **J Clin Pathol** 29(6):502–16, Jun 76
Sacro–iliac joint in renal osteodystrophy: roentgenographic–Pathologic correlation. Resnick D, et al. **J Rheumatol** 2(3):287–95, Sep 75
Bone histology in incipient and advanced renal failure. Malluche HH, et al. **Kidney Int** 9(4):355–62, Apr 76
Racial differences in the manifestation of renal osteodystrophy. Mayor GH, et al. **Proc Clin Dial Transplant Forum** 5:131–5, Nov 75
[Quantitiative study of iliac bone biopsy in 79 patients with chronic renal failure. Rarity of osteomalacia] Latorzeff S, et al. **J Urol Nephrol (Paris)** 82(4–5):329–35, Apr–May 76 **(Fre)**
[Clinico–morphological correlations in uremic

osteodystrophy of patients with conservative and hemodialytic treatment with special regard to the ultrastructure] Bonucci E, et al. **Minerva Nefrol** 22(2-3):99-108, Mar-Jun 75 (Eng. Abstr.) **(Ita)**
[Uremic osteopathy. Clinical, histological, radiological and radioisotope study] Zucchelli P, et al. **Minerva Nefrol** 22(2-3):109-18, Mar-Jun 75 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Parathyroid suppressibility in renal osteodystrophy. Moorhead JF, et al. **Proc Eur Dial Transplant Assoc** 11:465-72, 1975

PREVENTION & CONTROL

Serum phosphorus control in dialysis patients with aluminum hydroxide gel-containing cookies. Ogden DA, et al. **Proc Clin Dial Transplant Forum** 2:166-70, 1972

RADIOGRAPHY

Renal osteodystrophy in patients on hemodialysis as reflected in the bony pelvis. Norfray J, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):352-8, Oct 75
Subchondral resorption of bone in renal osteodystrophy. Resnick D, et al. **Radiology** 118(2):315-21, Feb 76
[Possibilities and limitations of radiodiagnosis in uremic osteodystrophy] Aguzzi P, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:577-9, 1975 **(Fre)**
[Present importance of renal osteodystrophy. Physiopathogenic summary and elementary bone radiologic changes] Bock E, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:575-6, 1975 **(Fre)**
[Radiological atteration of sacro-iliac junctions in secondary hyperparathyroidism (author's transl)] Pavlica P, et al. **J Radiol Electrol Med Nucl** 56(10):699-701, Oct 75 (Eng. Abstr.) **(Fre)**
[Application of a densitometric method in the surveillance of osteodystophies in patients on periodic hemodialysis] Pedoja G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:585-7, 1975 **(Fre)**
[Possibility of evaluation of renal osteodystrophy by radiologic examination with optic enhancement of the metacarpo-phalangeal segments] Perale R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:584-5, 1975 **(Fre)**

THERAPY

The use of high calcium dialysate in the treatment of renal osteomalacia. Evans RA, et al. **Aust NZ J Med** 6(1):10-5, Feb 76
[Therapy of uremic osteopathy] Mehls O. **Monatsschr Kinderheilkd** 123(12):774-6, Dec 75

RENAL PAPILLITIS, NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

RENAL TUBULAR TRANSPORT, INBORN ERRORS

Disorders of renal amino acid transport. Segal S. **N Engl J Med** 294(19):1044-51, 6 May 76

BLOOD

Familial hypouricaemia due to renal tubular defect of urate transport. Akaoka I, et al. **Ann Clin Res** 7(5):318-24, Oct 75

COMPLICATIONS

[Bartter's disease associated with hypercorticism, phosphate and magnesium deficiencies and familial renal tubular disease] Sann L, et al. **Arch Fr Pediatr** 32(4):350-66, Apr 75 (Eng. Abstr.) **(Fre)**
[Bartter's syndrome and tubular functional disturbances] Fricker H, et al. **Helv Paediatr Acta** 30(1):61-77, May 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Proceedings: Dicarboxylic aminoaciduria: a new metabolic disease involving the transport of glutamic and aspartic acids] Robitaille P, et al. **J Urol Nephrol (Paris)** 81(9):715-6, Sep 75 **(Fre)**
[Primary tubulopathies] Gerok W. **Acta Med Austriaca** 2(5):162-7, 1975 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Tubular Na, K-ATPase deficiency, the cause of the congenital renal salt-losing syndrome. Bierich JR, et al. **Eur J Pediatr** 121(2):81-7, 2 Jan 76

FAMILIAL & GENETIC

Clinical phenotypes in kidney transport disorders. Bartsocas CS, et al. **Birth Defects** 10(4):118-26, 1974
Genetic aspects of renal tubular transport: diversity and topology of carriers. Scriver CR, et al. **Kidney Int** 9(2):149-71, Feb 76

METABOLISM

Transport into erythrocytes and intestinal absorption of uric acid in hereditary renal hypouricemia. Sperling O, et al. **Biomedicine [Express]** 23(5):157-9, 10 Jun 75

VETERINARY

Glucosuria associated with renal tubular dysfunction in three Basenji dogs. Easley JR, et al. **J Am Vet Med Assoc** 168(10):938-43, 15 May 76

RENAL VEINS

Unilateral renal vein thrombosis and nephrotic syndrome. Report of a case with protein selectivity and antithrombin III clearance studies. Kauffmann RH, et al. **Am J Med** 60(7):1048-54, Jun 76
The specificity of renal vein thrombosis. Mulhern CB, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):291-9, Oct 75
Renal vein leiomyosarcoma. Gierson ED, et al. **Am Surg** 42(8):593-4, Aug 76
Letter: Renal vein thrombosis in nephrotic syndrome. Bennett WM. **Ann Intern Med** 83(4):577-8, Oct 75
Letter: Renal vein thrombosis. Butkus DE. **Ann Intern Med** 83(6):901-2, Dec 75
Aorto-left renal vein fistula: an unusual complication of abdominal aortic aneurysm. Suzuki M, et al. **Ann Surg** 184(1):31-4, Jul 76
Immune-complex disease with unilateral renal vein thrombosis. Ozawa T, et al. **Arch Pathol Lab Med** 100(5):279-82, May 76
An unusual case of right and left testicular arteries arching over the left renal vein. Nathan H, et al. **Br J Urol** 48(2):135-8, Apr 76
Lupus glomerulitis and renal vein thrombosis. Bridi GS, et al. **Br Med J** 1(6012):750, 27 Mar 76
Unilateral renal vein thrombosis and nephrotic syndrome. De Troyer A, et al. **Br Med J** 4(5999):730-1, 27 Dec 75
Renal vein obstruction and hypertension (an experimental study in dogs). Kumar R, et al. **Indian J Med Res** 63(4):501-6, Apr 75
Renal vein renin in essential hypertension. Maxwell MH, et al. **J Lab Clin Med** 86(6):901-9, Dec 75
Letter: Renal venous thrombosis-another cause of acute renal failure following cardiac surgery in infancy. Stapleton FB, et al. **J Pediatr** 88(2):365, Feb 76
Segmental renal vein renin assay and segmental nephrectomy for correction of renal hypertension. Javadpour N, et al. **J Urol** 115(5):580-2, May 76
The protean manifestations of renal vein thrombosis in the adult. Kiruluta HG, et al. **J Urol** 115(6):634-8, Jun 76
Renovascular hypertension: does the renal vein renin ratio predict operative results? Marks LS, et al. **J Urol** 115(4):365-8, Apr 76
Percutaneous transfemoral embolization of arterio-infundibular-venous fistula. Pontes JE, et al. **J Urol** 116(1):98-100, Jul 76
Letter: Thrombosis of the renal veins and vena cava. Cohen AH. **JAMA** 235(20):2190-1, 17 May 76
Letter: Renal vein thrombosis and nephrotic syndrome. Duffy JL, et al. **JAMA** 235(19):2079, 10 May 76
Letter: Renal vein thrombosis. Ganel JA. **JAMA** 235(19):2079, 10 May 76
Thrombosis of the renal veins and vena cava. Occurrence in morbid obesity. Luft FC, et al. **JAMA** 234(11):1158-60, 15 Dec 75
Renal-vein thrombosis and the nephrotic syndrome. **Lancet** 2(7934):538-9, 20 Sep 75
Hyperdynamic heart failure due to A-V fistula associated with Wilms' tumor. Sanyal SK, et al. **Pediatrics** 57(4):564-8, Apr 76
Segmental renal vein sampling for renin. Korobkin M, et al. **Radiology** 118(2):307-13, Feb 76
The effect of temporary clamping of the renal vessels on the vascular resistance in rabbit kidneys. Bilde T. **Scand J Urol Nephrol** 10(1):52-5, 1976
Experience with renal vein renin ratios in the identification of a pressor kidney. Figueroa JE, et al. **South Med J** 68(10):1200-6, Oct 75
The predictive accuracy of renal vein renin activity in the surgery of renovascular hypertension. Couch NP, et al. **Surgery** 79(1):70-6, Jan 76
Transcatheter embolization of renal arteriovenous fistula. Goldman ML, et al. **Urology** 6(3):386-8, Sep 75
'Cobblestone' renal pelvis: radiographic finding in acute renal vein thrombosis. Madayag MA, et al. **Urology** 6(4):514-6, Oct 75
[Renal vein thrombosis in the newborn infant. Demarquez JL, et al. **Arch Fr Pediatr** 32(4):381-92, Apr 75 **(Fre)**
[Renal vein thrombosis in childhood (author's transl] Rosenkranz A, et al. **Paediatr Paedol** 11(1):108-17, 1976 (Eng. Abstr.) **(Ger)**
[Arteriovenous fistula associated with renal cell carcinoma of the kidney (author's transl)] Imagawa A, et al. **Jpn J Urol** 67(2):103-6, Feb 76 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Circumaortic renal collar. A potentially hazardous anomaly of the left renal vein. Mitty HA. **Am J Roentgenol Radium Ther Nucl Med** 125(2):307-10, Oct 75
Agonal phase, ischaemic times, and renal vascular abnormalities and outcome of cadaver kidney transplants. Hall CL, et al. **Br Med J** 3(5985):667-70, 20 Sep 75
[Frequency of the retroaortic left renal vein in adults (author's transl)] Schmidt GP, et al. **Urol Int** 30(5):332-40, 1975 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Newer ultrasonographic anatomy in the upper abdomen: II. The major systemic veins and arteries with a special note on localization of the pancreas. Filly RA, et al. **J Clin Ultrasound** 4(2):91-6, Apr 76
[Morphological study of the kidney in the fowl. II. Renal protal and venous systems (author's transl)] Kurihara S, et al. **Jpn J Vet Sci** 37(4):363-77, Aug 75 (Eng. Abstr.) **(Jpn)**
[Renal morphology and the intrarenal blood flow] Lemańska Z, et al. **Pol Przegl Radiol** 39(3):337-45, May-Jun 75 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

[Renal vascular reactivity to angiotensin II and effects of hemodynamic control of renal tubular resorption] Agnoli GC, et al. **Boll Soc Ital Cardiol** 18(11):1117-53, 1973 (Eng. Abstr.) **(Ita)**

INJURIES

Renal artery and vein injury following blunt trauma. Sturm JT, et al. **Ann Surg** 182(6):696-8, Dec 75
Traumatic renal arteriovenous fistula treated by ligation and preservation of the kidney. Tveter KJ, et al. **Scand J Urol Nephrol** 9(3):289-92, 1975

INNERVATION

The development of the adrenergic innervation of the renal vessels. p. 157. Fourman J. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

METABOLISM

[Lipids in the renal veins and disseminated intravascular coagulation] Stejskal J, et al. **Cesk Patol** 11(4):169-79, Nov 75 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Postnephrectomy arteriovenous fistula. Maurer RM. **South Med J** 68(8):1013-4, Aug 75

PHYSIOLOGY

Autonomic control of renal portal blood flow in the domestic fowl. Bennett T, et al. **Experientia** 31(10):1177-8, 15 Oct 75
Blood flow in mesenteric, hepatic portal and renal portal veins of chickens. Sturkie PD, et al. **Pfluegers Arch** 359(1-2):127-35, 29 Aug 75

RADIOGRAPHY

Effects of vasopressin in experimental nephroangiography. Göthlin J, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):609-17, Nov 75
Renal vein thrombosis, nephrotic syndrome, and systemic lupus erythematosus: an association in four cases. Appel GB, et al. **Ann Intern Med** 85(3):310-7, Sep 76
Diagnosis of venous extension in renal cell carcinoma. The value of routine inferior venacavography. Palmer J, et al. **Australas Radiol** 19(3):265-71, Sep 75
Epinephrine renal venography. Rösch J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):501-15, Dec 75
Venous angiography in malignant tumors of the kidney. Flores Izquierdo G, et al. **J Cardiovasc Surg (Torino)** Spec No:472-6, 1973
Selective renal venography in the evaluation of a non-functioning hydronephrotic kidney. Adler O, et al. **Radiol Clin (Basel)** 44(5):402-8, 1975
Differential diagnostic importance of retrograde phlebography in cases of unusual ectasia and renal pelvic deformity. Braedel HU, et al. **Radiology** 119(1):65-8, Apr 76
Angiographic appearance of the renal vein in a case of fibromuscular dysplasia of the artery. Rosenberger A, et al. **Radiology** 118(3):579-80, Mar 76
[Retrograde renal phlebography with balloon occlusion of the renal artery. Technique and scope of a new method (author's transl)] Georgi M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):341-7, Oct 75 (Eng. Abstr.) **(Ger)**
[On radiological representation of the renal veins (author's transl)] Herbst J, et al. **Radiol Diagn (Berl)** 15(4):465-72, 1974 (Eng. Abstr.) **(Ger)**
[Angiography of urotuberculosis (author's transl)] Klein U, et al. **Radiologe** 16(6):240-7, Jun 76 (Eng. Abstr.) **(Ger)**
[Technique, complications, possible misinterpretations and indications of retrograde renal phlebography (author's transl)] Moeller JF, et al. **Roentgenblaetter** 28(7):303-10, Jul 75 (Eng. Abstr.) **(Ger)**
[Radiologic diagnosis of thrombosis of renal veins (author's transl)] Wiedner F, et al. **Roentgenblaetter** 28(11):518-26, Nov 75 (Eng. Abstr.) **(Ger)**
[Radiography of renal vein thrombosis] Tada S. **Jpn J Clin Radiol** 20(7):607-8, Jul 75 **(Jpn)**

SURGERY

Peripheral vasopressin for safe and adequate control of portal hypertension during shunt operations. Sirinek KR, et al. **Am J Surg** 131(1):103–7, Jan 76

Portosystemic shunting in patients with primary biliary cirrhosis: a good risk disease. Bauer JJ, et al. **Ann Surg** 183(3):324–8, Mar 76

Survival from acute hepatorenal syndrome following splenorenal shunt. Fischer JE, et al. **Ann Surg** 184(1):22–5, Jul 76

The fate of esophageal varices following selective distal splenorenal shunt. Hutson DG, et al. **Ann Surg** 183(5):496–501, May 76

Risks in therapeutic portacaval and splenorenal shunts. Malt RA, et al. **Ann Surg** 184(3):279–88, Sep 76

Recurrent variceal hemorrhage following successful Warren shunt. Carlson RE, et al. **Arch Surg** 111(5):587–9, May 76

Ultrasonic flow detection for localization of splenic and renal veins. Johnson WC. **Arch Surg** 111(9):1032, Sep 76

Retroperitoneal approach for portasystemic decompression. Stoney RJ, et al. **Arch Surg** 110(11):1347–50, Nov 75

Alterations of portal hemodynamics after splenorenal shunts. Schulz DJ, et al. **Bull Soc Int Chir** 34(3):171–4, 1975

Proceedings: Flow and pressure characteristics of the portal system before and after spleno–renal shunts. Nabseth DC, et al. **J Cardiovasc Surg (Torino)** 17(1):96–7, Jan–Feb 76

Arteriovenous fistula of the renal vessels: Surgical management. Cummings KB, et al. **J Urol** 114(5):776–8, Nov 75

Shunt operations for portal hypertension. Hermann RE. **Surg Clin North Am** 55(5):1073–87, Oct 75

Inferior mesorenal shunt as a second procedure for portal decompression. Drews JA, et al. **Surg Gynecol Obstet** 142(1):84–6, Jan 76

Flow and pressure characteristics of the portal system before and after splenorenal shunts. Nabseth DC, et al. **Surgery** 78(6):739–48, Dec 75

Rupture of the left kidney following renosplenic shunt. Swanson RJ, et al. **Surgery** 79(6):710–2, Jun 76

[Splenic artery ligature and latero–lateral anastomosis in portal hypertension (author's transl)] Bücheler E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):535–9, Dec 75 (Eng. Abstr.) **(Ger)**

[Left renal vein ligation in rats] Schröder R, et al. **Helv Chir Acta** 43(1–2):167–8, Mar 76 **(Ger)**

[Blood–pressure behavior in rats following the diversion of renal–vein blood into the portal vein] Medrano J, et al. **Langenbecks Arch Chir** Suppl:451–6, 1975 (Eng. Abstr.) **(Ger)**

[Various methods of anastomosis with the use of splenic vein in the surgery of portal vein hypertension] Bürger K, et al. **Zentralbl Chir** 100(21):1316–23, 1975 **(Ger)**

[Resection of the vena cava for renal cell carcinoma: experimental studies on renoportal venous anastomosis (author's transl)] Masuda F, et al. **Jpn J Urol** 66(6):333–40, Jun 75 (Eng. Abstr.) **(Jpn)**

[Spleno–renal anastomosis: apropos of 500 cases. Special reference to schistosomic portal hypertension] Okumura M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):503–12, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Technic of ligation of renal vessels during nephrectomy] Moroz MA. **Klin Khir** (8):74–5, Aug 75 **(Rus)**

[Splenorenal anastomosis as an urgent and elective surgery in portal hypertension. Results up to this time] Fajgelj I, et al. **Med Pregl** 28(3–4):115–9, 1975 (Eng. Abstr.) **(Ser)**

[Portal hypertension. Porto–systemic shunts] Pataro VF, et al. **Angiologia** 27(5):207–12, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Vascularization of the kidney after autovenoplasty of the renal artery. Djavakhishvili N, et al. **Bibl Anat** 13:319–20, 1975

RENESE see **POLYTHIAZIDE**

RENIN

Evidence that des–Asp1 angiotensin II mediates the renin–angiotensin response. Freeman RH, et al. **Circ Res** 38(6 Suppl 2):99–103, Jun 76

Studies on membrane–bound renin in the mouse and rat. Wilson CM, et al. **Circ Res** 38(6 Suppl 2):95–8, Jun 76

[The renin–angiotensin system: metodical and clinical problems. Report of a workshop held November 23/24 in Würzburg] Wernze H, et al. **Med Welt** 27(5):212–9, 30 Jan 76 **(Ger)**

ANALYSIS

Subcellular localization of renin and kallikrein in rat kidney. Baggio B, et al. **Ital J Biochem** 24(3–4):199–206, May–Aug 75

Possible existence of prorenin in rabbit renal cortex. Hiwada K, et al. **Jpn Circ J** 40(2):119–22, Feb 76

Tubuloglomerular feedback in rat kidneys of different renin contents. Müller–Suur R, et al. **Pfluegers Arch** 359(1–2):33–56, 29 Aug 75

The renin–angiotensin system in rats with hereditary hydronephrosis. Susic D, et al. **Pfluegers Arch** 358(3):265–74, 28 Jul 75

A renin–like activity in pineal gland and hypophysis. Häulică I, et al. **Physiologie** 12(1):21–4, 1975

[Cerebral renin–like activity in different functional conditions (author's transl)] Haulica I, et al. **J Physiol (Paris)** 70(2):149–57, Jul 75 (Eng. Abstr.) **(Fre)**

[The value of renin determination in the diagnosis of hypertension] Beckerhoff R, et al. **Schweiz Med Wochenschr** 106(14):474–7, 3 Apr 76 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Competitive inhibitors of renin. Haber E, et al. **Acta Physiol Lat Am** 24(5):574–81, 1974

alpha–1–Anti–trypsin, an inhibitor of renin. Scharpé S, et al. **Biochem J** 153(2):505–7, 1 Feb 76

Competitive inhibitors of renin. Inhibitors effective at physiological pH. Burton J, et al. **Biochemistry** 14(17):3892–8, 26 Aug 75

Synthesis of lysophosphatidylethanolamine analogs that inhibit renin activity. Turcotte JG, et al. **J Med Chem** 18(12):1184–90, Dec 75

A possible role of the kidney in activating a renin preinhibitor. Baggio B, et al. **Res Exp Med (Berl)** 166(3):201–7, 30 Dec 75

[Presence of a renin inhibitor in the plasma of intact dogs] Zhegalina LV, et al. **Biull Eksp Biol Med** 80(10):48–51, Oct 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The effect of growth hormone on renin production and release by rat kidney slices. Hauger–Klevene JH. **Acta Physiol Lat Am** 25(1):80–2, 1975

Malignant hypertension with hypokalemia in a patient with renin–producing pulmonary carcinoma. Genest J, et al. **Trans Assoc Am Physicians** 88:192–201, 1975

High renin hypertension associated with renal cortical cyst. Johnson JD, et al. **Urology** 7(5):508–11, May 76

BLOOD

Changes in plasma renin activity and plasma aldosterone in the induced paralytic attack of thyrotroxic periodic paralysis. Takeda R, et al. **Acta Endocrinol (Kbh)** 82(4):715–27, Aug 76

Significance of plasma renin estimation in hypertensive patients. Kokot F, et al. **Acta Med Pol** 17(1):71–7, 1976

Plasma renin activity and hypertensive organ manifestations in 50–year–old males. Berglund G, et al. **Acta Med Scand** 199(4):243–9, 1976

Effect of alprenolol and hydralazine on plasma renin concentration in patients with arterial hypertension. Pedersen EB, et al. **Acta Med Scand** 198(5):379–83, Nov 75

Plasma renin activity in abortion. Soveri P, et al. **Acta Obstet Gynecol Scand** 55(2):175–7, 1976

Time course of changes in plasma renin after blockade of the renin–system. Studies of conscious and anaesthetized, normal, adrenalectomized and spontaneously hypertensive rats. Bing J, et al. **Acta Pathol Microbiol Scand [A]** 83(5):454–66, Sep 75

Different effects on renal and submaxillary renin release after blockade of the renin system in mice. Bing J, et al. **Acta Pathol Microbiol Scand [A]** 83(6):733–6, Nov 75

Vast and apparently paradoxical continuous rise in plasma renin after removal of gently manipulated submaxillary glands in nephrectomized mice. Bing J, et al. **Acta Pathol Microbiol Scand [A]** 84(3):285–90, May 76

Change in plasma renin substrate in lithium–intoxicated nephrectomized rats, and the effect of sodium on plasma renin and plasma renin substrate in lithium–intoxicated rats. Kierkegaard–Hansen A. **Acta Pharmacol Toxicol (Kbh)** 39(1):97–103, Jul 76

Bumetanide induced increase of renal blood flow in conscious dogs and its relation to local renal hormones (PGE, kallikrein and renin). Olsen UB, et al. **Acta Pharmacol Toxicol (Kbh)** 38(3):219–28, Mar 76

Effect of psychic stress of examination on serum growth hormone, serum insulin, and plasma renin activity. Syvälahti E, et al. **Acta Pharmacol Toxicol (Kbh)** 38(4):344–52, Apr 76

Plasma renin–like activity in the splanchnic area of the rat. Sonkodi S, et al. **Acta Physiol Acad Sci Hung** 45(1–2):37–9, 1974

Plasma renin activity during development of experimental renal hypertension in dogs. Basso N, et al. **Acta Physiol Lat Am** 24(5):563–8, 1974

Circulating life of resin and the sustained pressor principle in normal, nephrectomized and ischemic kidney rats. De Vito E, et al. **Acta Physiol Lat Am** 24(5):488–95, 1974

The renin–angiotensin system in diabetes mellitus. Hauger–Klevene JH, et al. **Acta Physiol Lat Am** 24(5):419–24, 1974

Blood pressure regulation during chronic renal failure due to polycystic renal disease. Shapiro AP, et al. **Acta Physiol Lat Am** 24(5):432–8, 1974

Indomethacin blockade of renal PGE–synthesis: effect on total renal and tubular function and plasma renin concentration in hydropenic rats and on their response to isotonic saline. Leyssac PP, et al. **Acta Physiol Scand** 94(4):484–96, Aug 75

Clinical value of plasma renin determinations in in renovascular and primary hypertension. Page LB. **Am Heart J** 91(5):665–72, May 76

Big renin: identification, chemical properties and clinical implications. Day RP, et al. **Am J Cardiol** 37(4):667–74, 31 Mar 76

Relation of renin status to neurogenic vascular resistance in borderline hypertension. Esler MD, et al. **Am J Cardiol** 36(5):708–15, 31 Oct 75

Controlled treatment of primary hypertension with propranolol and spironolactone. A crossover study with special reference to initial plasma renin activity. Karlberg BE, et al. **Am J Cardiol** 37(4):642–9, 31 Mar 76

Bartter's syndrome: a disorder characterized by high urinary prostaglandins and a dependence of hyperreninemia on prostaglandin synthesis. Gill JR Jr, et al. **Am J Med** 61(1):43–51, Jul 76

Plasma renin activity and plasma aldosterone during the normal menstrual cycle. Michelakis AM, et al. **Am J Obstet Gynecol** 123(7):724–6, 1 Dec 75

Plasma renin activity during pentobarbital anesthesia and graded hemorrhage in dogs. Johnson MD, et al. **Am J Physiol** 229(4):1098–101, Oct 75

Renin–angiotensin–aldosterone system in experimental renal hypertension in the rabbit. Lohmeier TE, et al. **Am J Physiol** 230(2):311–8, Feb 76

Mechanism of decrease in plasma renin activity during volume expansion. Stitzer SO, et al. **Am J Physiol** 230(6):1550–4, Jun 76

Ultramicroassay for plasma renin concentration in the rat using the antibody–trapping technique. Lykkegård S, et al. **Anal Biochem** 75(1):250–9, Sep 76

Letter: Methylprednisolone and renin–angiotensin mechanisms. Tinker JH, et al. **Anesthesiology** 43(6):696–7, Dec 75

Letter: Renin suppression. Butkus DE. **Ann Intern Med** 83(5):737, Nov 75

The intravenous furosemide test: a simple way to evaluate renin responsiveness. Kaplan NM, et al. **Ann Intern Med** 84(6):639–45, Jun 76

Studies of plasma renin activity in coarctation of the aorta. Van Way CW 3d, et al. **Ann Surg** 183(3):229–38, Mar 76

Plasma renin activity and aldosterone concentration in the human newborn. Dillon MJ, et al. **Arch Dis Child** 51(7):537–40, Jul 76

Suppression of renin release by timolol. Graham RM, et al. **Arch Int Pharmacodyn Ther** 219(2):205–10, Feb 76

Proceedings: Methodological aspects of the renin–angiotensin system. Lijnen P, et al. **Arch Int Physiol Biochim** 84(1):171–2, Feb 76

Triamterene–induced changes in aldosterone and renin values in essential hypertension. Evidence of a role for aldosterone in preventing blood pressure reduction. Keim HJ, et al. **Arch Intern Med** 136(6):645–8, Jun 76

Effect of high dose spironolactone and chlorthalidone in essential hypertension: relation to plasma renin activity and plasma volume. Hunyor SN, et al. **Aust NZ J Med** 5(1):17–24, Feb 75

Hemodynamics, renal function, plasma renin, and aldosterone in man after 5 to 14 days of bedrest. Melada GA, et al. **Aviat Space Environ Med** 46(8):1049–55, Aug 75

The influence of prostaglandins A2 and E2 on the kinetics of the renin reaction in the presence of normal and hypertensive plasma. Eggena P, et al. **Biochem Med** 14(3):290–6, Nov 75

Plasms renin activity in coarctation of aorta before and after surgery. Markiewicz A, et al. **Br Heart J** 37(7):721–5, Jul 75

Changes in the renin–angiotensin system in primigravidae with hypertensive disease of pregnancy. Symonds EM, et al. **Br J Obstet Gynaecol** 82(8):643–50, Aug 75

The place of the renin–angiotensin system before and after birth. Mott JC. **Br Med Bull** 31(1):44–50, Jan 75

Plasma renin activity and aldosterone concentration in children. Dillon MJ, et al. **Br Med J** 4(5992):316–9, 8 Nov 75

Renin concentrations and effects of propranolol and spironolactone in patients with hypertension. Karlberg BE, et al. **Br Med J** 1(6004):251–4, 31 Jan 76

Immediate plasma renin response to propranolol: differentiation between essential and renal hypertension. Skrabal F, et al. **Br Med J** 2(6028):144–7, 17 Jul 76

Plasma renin activity during and after dynamic and static exercise. Collier JG, et al. **Cardiovasc Res** 9(3):323–6, May 75

The renin–angiotensin system, dietary salt, and increased sensitivity to noradrenaline in mesenteric vasculature preparations from renal/salt hypertensive rats. Collis MG, et al. **Cardiovasc Res** 10(2):232–5, Mar 76

Effects of furosemide and chlorothiazide on blood pressure and plasma renin activity. Saito I, et al. **Cardiovasc Res** 10(2):149–52, Mar 76

Suppression of plasma renin activity by indomethacin in man. Frölich JC, et al. **Circ Res** 39(3):447–52, Sep 76

Letter: Adrenergic reactivity in low renin and normal renin essential hypertension. Kuchel O. **Circ Res** 39(2):289–90, Aug 76

Plasma renin activity during exercise in the dog. Lifschitz MD, et al. **Circ Res** 38(6):483–7, Jun 76

Contrasting effects of hypoglycemia on plasma renin activity and cyclic adenosine 3',5'–monophosphate (cyclic AMP) in low renin and normal renin essential hypertension. Lowder SC, et al. **Circ Res** 38(2):105–8, Feb 76

The effects of des–Asp1–angiotensin II on blood pressure, plasma aldosterone concentration, and plasma renin activity in the rabbit. Steele JM Jr, et al. **Circ Res** 38(6 Suppl 2):113–6, Jun 76

Relation between plasma renin activity, angiotensin, and aldosterone and blood pressure in mild untreated hypertension. Walker WG, et al. **Circ Res** 38(6):470–6, Jun

76
Arterial and venous angiotensin II in normal subjects. Relation to plasma renin activity and plasma aldosterone concentration, and response to posture and volume changes. Walker WG, et al. **Circ Res** 38(6):477–83, Jun 76
Mineralocorticoid secretion in essential hypertension with normal and low plasma renin activity. Messerli FH, et al. **Circulation** 53(3):406–10, Mar 76
Radioimmunoassay of plasma renin activity. Fyhrquist F, et al. **Clin Chem** 22(2):250–6, Feb 76
Theoretical approaches to estimation of plasma renin activity: a review and some original observations. Oparil S. **Clin Chem** 22(5):583–93, May 76 (119 ref.)
Letter: Plasma renin activity and radioimmunoassay of angiotensin I (cont.). Rutner H, et al. **Clin Chem** 22(5):692–4, May 76
Measurement of renin concenration in human plasma using 125i-labelled sheep renin substrate. Campbell DJ, et al. **Clin Chim Acta** 65(3):361–70, 15 Dec 75
Influence of plasma and extracellular fluid volumes on plasma renin activity in sodium-depleted dogs. Anderson WP, et al. **Clin Exp Pharmacol Physiol** Suppl 2:115–8, 1975
Effects of unilateral nephrectomy in man on renin, aldosterone and volume/pressure relationships. Gordon RD, et al. **Clin Exp Pharmacol Physiol** Suppl 2:109–14, 1975
Plasma renin and angiotensin levels in experimental hypertension in the rat. Hutchinson JS, et al. **Clin Exp Pharmacol Physiol** Suppl 2:83–8, 1975
Plasma renin activity (PRA) and aldosterone (PA) in patients with chronic glomerulonephritis (GN) and hypertension. Bras H, et al. **Clin Nephrol** 5(2):57–60, Feb 76
Plasma levels and effects of metoprolol on blood pressure, adrenergic beta receptor blockade, and plasma renin activity in essential hypertension. von Bahr C, et al. **Clin Pharmacol Ther** 20(2):130–7, Aug 76
Plasma catecholamines and renin activity in response to exercise in patients with essential hypertension. Chodakowska J, et al. **Clin Sci Mol Med** 49(5):511–4, Nov 75
Absence of an acute effect of calcium or parathyroid hormone administration on plasma renin activity in man. Epstein S, et al. **Clin Sci Mol Med** 50(1):79–81, Jan 76
The effect of reduction in blood volume on plasma renin activity in man. Hesse B, et al. **Clin Sci Mol Med** 49(5):515–7, Nov 75
The early effects of intravenous frusemide on central haemodynamics, venous tone and plasma renin activity. Hesse B, et al. **Clin Sci Mol Med** 49(6):551–5, Dec 75
The influence of potassium on the renal vasculature and the adrenal gland, and their responsiveness to angiotensin II in normal man. Hollenberg NK, et al. **Clin Sci Mol Med** 49(6):527–34, Dec 75
Suppression of the renin–aldosterone system in mild essential hypertension. Khokhar AM, et al. **Clin Sci Mol Med** 50(4):269–76, Apr 76
Effect of vasopressin on plasma volume and renin release in man. Khokhar AM, et al. **Clin Sci Mol Med** 50(5):415–24, May 76
Plasma catecholamines, plasma renin activity and plasma aldosterone in tetraplegic man, horizontal and tilted. Mathias CJ, et al. **Clin Sci Mol Med** 49(4):291–9, Oct 75
Effect of intravenous frusemide on plasma renin concentration: suppression of response in hypertension. Padfield PL, et al. **Clin Sci Mol Med** 49(4):353–8, Oct 75
Renal haemodynamics and plasma renin in patients with essential hypertension. Pedersen EB, et al. **Clin Sci Mol Med** 50(5):409–14, May 76
Effect of sotalol on haemodynamics and renin–angiotensin–aldosterone system in hypertensive patients. Verniory A, et al. **Clin Sci Mol Med** 51(1):9–17, Jul 76
Plasma renin activity as a function of age in two new strains of spontaneously hypertensive and normotensive rats. Vincent M, et al. **Clin Sci Mol Med** 50(2):103–7, Feb 76
Peripheral plasma renin levels in hypertension. Grim C, et al. **Compr Ther** 1(2):28–9, Jun 75
Plasma renin activity in hypertension. Oparil S. **Compr Ther** 1(8):57–64, Dec 75
Plasma renin activity in juvenile diabetes mellitus and effect of diazoxide. Gossain VV, et al. **Diabetes** 24(9):833–5, Sep 75
Effects of beta-adrenoreceptor blocking drugs on plasma volume. Renin and aldosterone as components of their antihypertensive action. Gordon RD. **Drugs** 11 SUPPL 1:156–63, 1976
The role of renin in the antihypertensive action of beta-adrenoreceptor blocking agents. Stokes GS, et al. **Drugs** 11 SUPPL 1:150–6, 1976
Characterization of renin-like activity in human plasma protein IV-4 fraction. Arakawa K, et al. **Endocrinol Jpn** 22(5):427–32, Oct 75
The diurnal rhythm of plasma aldosterone, plasma renin activity, plasma cortisol and serum growth hormone and subnormal responsiveness of aldosterone to angiotensin-II in the patients with normotensive acromegaly. Ichikawa S, et al. **Endocrinol Jpn** 23(1):75–82, Feb 76
Circadian rhythms of serum renin activity and serum corticosterone, prolactin, and aldosterone concentrations in the male rat on normal and low-sodium diets. Gomez-Sanchez C, et al. **Endocrinology** 99(2):567–72, Aug 76
Effect on plasma aldosterone, renin activity and cortisol of acute volume depletion induced by ethacrynic acid under constant infusion of angiotensin II and dexamethasone in man. Gaillard RC, et al. **Eur J Clin Invest** 6(1):51–7, 30 Jan 76
Renin–aldosterone axis in ethanol intoxication and hangover. Linkola J, et al. **Eur J Clin Invest** 6(2):191–4, 31 Mar 76
Activity of erythropoietin and renin in renal venous blood of hypertensive patients. Takács L, et al. **Eur J Clin Invest** 6(4):273–8, 30 Jul 76
Effects of ADH on the activity and function of the renin–angiotensin–aldosterone system in infants and in children. Joppich R, et al. **Eur J Pediatr** 122(4):303–8, 12 Jul 76
Effect of propranolol of vascular responses to sympathetic nerve stimulation and plasma renin activity in mongrel dogs. Lokhandwala MF, et al. **Eur J Pharmacol** 38(1):141–7, Jul 76
On the mineralocorticoid and hypertensogenic properties of 16beta-hydroxy-dehydroepiandrosterone. Gomez-Sanchez C, et al. **Experientia** 32(8):1067–9, 15 Aug 76
Inhibition of isoprenaline-induced increase in plasma renin concentration by vasoconstrictors. Meyer DK, et al. **Experientia** 31(9):1071–2, 15 SEP 75
Comparison between a biological and a radioimmunological assay of plasma renin concentration. Lijnen PF, et al. **FEBS Lett** 61(1):32–3, 01 Jan 76
The effects of vasopressin on pituitary oxytocin content and plasma renin activity in rats with hypothalamic diabetes insipidus (Brattleboro strain). Balment RJ, et al. **Gen Comp Endocrinol** 26(4):468–77, Aug 75
Renin–angiotensin system in an infant with malignant renovascular hypertension. Fyhrquist F, et al. **Helv Paediatr Acta** 31(1):61–5, Jun 76
Low renin essential hypertension in a child. Leumann EP, et al. **Helv Paediatr Acta** 30(4–5):357–63, Jan 76
Control of plasma aldosterone in infancy and childhood. A study of plasma renin activity, plasma cortisol and plasma aldosterone. Stark P, et al. **Helv Paediatr Acta** 30(4–5):349–56, Jan 76
Plasma renin activity in surgical patients. pp. 359–61. Jakubowski HD, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
Circadian rhythm of the renin–angiotensin–aldosterone system. pp. 107–16. Breuer H, et al.
In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.
Evidence for changes in the enzymic activity of renin following partial renal artery occlusion in the dog. p. 141. Baldock SA, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.
Abnormal relation of renin and sodium in hypertension. pp. 105–20. Brown JJ, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.
The renin–angiotensin system in newborn dogs. Developmental patterns and response to saline load. p. 154. Drukker A, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.
The role of the alpha- and beta-adrenergic receptors in the regulation of renal hemodynamics and renin level in hemorrhagic hypotension in dog. p. 156. Forgács I, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.
Renovascular hypertension and renin. pp. 139–42. Gunnells JC Jr.
In: Gordon MS, ed. Self-assessment in clinical cardiology. Chicago, Year Book Medical Publishers, 1974. WG 100 T253s 1974.
Plasma renin activity and mineralocorticoid assays in hypertension. pp. 45–52. Melby JC.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.
Radioimmunoassay of plasma renin activity: new techniques and clinical applications. pp. 33–44. Oparil S.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.
Renin and indices of neurogenic activity in borderline hypertension. pp. 331–54. Esler M, et al.
In: Julius S, Murray DE, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.
Extracellular cylcic adenosine 3',5'-monophosphate and plasma renin in human hypertension. pp. 251–9. Kuchel O, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W> HA164 1975r.
Central renin suppressing action of propranolol. pp. 443–50. Privitera PJ, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.
New insights into mechanisms and treatment of labile and sustained essential hypertension. pp. 269–81. Mendlowitz M.
In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974. (50 ref.)
Effects of infusing angiotensin II antagonist saralasin on arterial blood pressure and on plasma concentrations of aldosterone, renin and angiotensin II in normal subjects and selected hypertensive patients. pp. 499–512. Brown JJ, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Antihypertensive drug treatment and plasma renin. pp. 185–98. Doyle AE, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Effects of antihypertensive agents on blood pressure and renin in severe experimental renal hypertension. pp. 287–304. Fernandes M, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Effects of dietary sodium, diuretics and hypertension on renin and kallikrein. pp. 323–36. Johnston CI, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Effects of antihypertensive therapy on plasma renin activity. pp. 207–16. Kaplan NM, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
A crossover comparison of the effects of metolazone and hydrochlorothiazide therapy on blood pressure and renin angiotensin system in patients with essential hypertension. pp. 221–45. Sambhi MP, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Double-blind crossover study of propranolol and spironolactone in hypertension and plasma renin measurements in relation to therapeutic effects. pp. 265–84. Stokes GS, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Effects of spironolactone and hydrochlorothiazide on blood pressure and plasma renin activity in hypertension. pp. 481–93. Weinberger MH, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.
Longitudinal study of plasma renin activity in hypertensive patients under antihypertensive treatment including diuretics. pp. 251–64. Zanchetti A, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975. (18 ref.)
Hyporeninaemic and hypotensive effect of a cardioselective and a non-cardioselective beta blocker. pp. 335–48. Lijnen P, et al.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 I604b 1975.
The effect of beta-blockers and exercise on haemodynamics and plasma renin concentration in healthy subjects and hypertensives. pp 88–101. Hitzenberger G, et al.
In: Schweizer W, ed. Beta-blockers – present status and future prospects. Bern, Huber, 1974. QV 132 B562 1974.
Plasma renin and dopamine-beta-hydroxylase activity and catecholamine excretion in man during stress. pp. 567–74. Lángoš J, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
EPFFECT OF PROPRanolol on plasma renin level and angiotensin sensitivity in man. Gachályi B, et al. **Int J Clin Pharmacol Biopharm** 13(3):196–8, Apr 76
The response of the juxtaglomerular apparatus to stimuli effecting renin or erythropoietin release in canine renal allografts. Varkarakis MJ, et al. **Invest Urol** 13(5):366–71, Mar 76
The fetal renin–angiotensin system in normal and hypertensive pregnancy. Pipkin FB, et al. **Isr J Med Sci** 12(3):225–30, Mar 76
High renin activity accompanying angiotensin II inhibition in rats with ischemic renal failure. Shapira J, et al. **Isr J Med Sci** 12(2):124–8, Feb 76
Changes in the renin–angiotensin system in normotensive and hypertensive women during pregnancy and parturition. Symonds EM, et al. **Isr J Med Sci** 12(6):495–9, Jun 76
Plasma vasopressin and renin activity in women exposed to bed rest and +Gz acceleration. Keil LC, et al. **J Appl Physiol** 40(6):911–4, Jun 76
Selective hypoaldosteronism despite prolonged pre- and postoperative hyperreninemia in primary aldosteronism. Bravo EL, et al. **J Clin Endocrinol Metab** 41(3):611–7, Sep 75
Hypertension in primary hyperparathyroidism: the role of the renin–angiotensin system. Brinton GS, et al. **J Clin Endocrinol Metab** 41(06):1025–9, Dec 75
Aldosterone metabolic clearance is normal in low-renin essential hypertension. Brown RD. **J Clin Endocrinol Metab** 42(4):661–6, Apr 76
Suppression of plasma renin and plasma aldosterone during water immersion in normal man. Epstein M, et al. **J Clin Endocrinol Metab** 41(3):618–25, Sep 75
The effect of different preparations of human growth hormone on plasma renin activity in normal males. Epstein S, et al. **J Clin Endocrinol Metab** 42(2):390–2, Feb 76
Actions of growth hormone-release inhibiting hormone (somatostatin) on the renin aldosterone system. Gomez-Pan A, et al. **J Clin Endocrinol Metab** 43(1):240–3, Jul 76
Dissociation of plasma renin activity and aldosterone in essential hypertension. Guthrie GP Jr, et al.

J Clin Endocrinol Metab 43(2):446–8, Aug 76

Effect of various states of hydration on plasma ADH and renin in man. Kimura T, et al. **J Clin Endocrinol Metab** 42(1):79–87, Jan 76

Circadian rhythm of plasma renin activity in primary hyperaldosteronism. Modlinger RS, et al. **J Clin Endocrinol Metab** 42(2):361–4, Feb 76

The effect of chlorpromazine on plasma renin activity and aldosterone in man. Robertson D, et al. **J Clin Endocrinol Metab** 41(06):1166–8, Dec 75

Unusual low plasma renin hypertension in a child. Sann L, et al. **J Clin Endocrinol Metab** 43(2):265–71, Aug 76

A kinetic study of plasma renin and aldosterone during changes of posture in man. Sassard J, et al. **J Clin Endocrinol Metab** 42(1):20–7, Jan 76

The effect of indomethacin and other anti-inflammatory drugs on the renin-angiotensin system. Romero JC, et al. **J Clin Invest** 58(2):282–8, Aug 76

Measurement of plasma renin activity by semi-micro radioimmunoassay of generated angiotensin I. Dillon MJ. **J Clin Pathol** 28(8):625–30, Aug 75

Proceedings: Vasopressin-induced changes in plasma renin activity in the Brattleboro rat. Balment RJ, et al. **J Endocrinol** 67(2):61P–62P, Nov 75

Endocrine and environmental influences upon plasma cortisol concentrations and plasma renin activity of the eel, Anguilla anguilla L. Henderson IW, et al. **J Endocrinol** 70(1):81–95, Jul 76

Renin, cortisol and plasma volume in marine teleost fishes adapted to dilute media. Nishimura H, et al. **J Endocrinol** 70(1):47–59, Jul 76

Proceedings: Studies using a direct assay for renin. Pickering BT. **J Endocrinol** 68(3):1P–2P, Mar 76

Plasma renin activity and sodium excretion in normal and hypertensive Chinese. Chen WY, et al. **J Formosan Med Assoc** 74(8):525–33, Aug 75

Renin activities in hypertensive patients. Hsieh BS, et al. **J Formosan Med Assoc** 74(12):739–46, Dec 75

Effect of aging on renin activity and aldosterone excretion. Crane MG, et al. **J Lab Clin Med** 87(6):947–59, Jun 76

Renal vein renin in essential hypertension. Maxwell MH, et al. **J Lab Clin Med** 86(6):901–9, Dec 75

Aldosterone and renin-angiotensin responses to stimuli in patients with treated congestive heart failure. Nicholls MG, et al. **J Lab Clin Med** 87(6):1005–15, Jun 76

Renin and arterial pressure in perfused dog kidneys. Socquet Y, et al. **J Med** 6(2):143–56, 1975

Renin and hypertension. Wilson JS. **J Med Assoc Ga** 65(5):161–2, May 76

Plasma renin activity in normal Thais. Muangmanee L, et al. **J Med A. oc Thai** 59(5):208–13, May 76

A simple kinetic method for renin and renin-substrate measurement in rat plasma. Quesada T, et al. **J Nucl Biol Med** 19(4):220–4, Oct–Dec 75

Hyperreninemic hypertension in an infant secondary to pelviureteric obstruction treated successfully by surgery. Carella JA, et al. **J Pediatr** 88(6):987–9, Jun 76

Plasma renin activity in normal children: its relationship to age and rates of excretion of sodium and potassium. Hiner LB, et al. **J Pediatr** 89(2):258–61, Aug 76

Plasma renin activity in healthy children. Stalker HP, et al. **J Pediatr** 89(2):256–8, Aug 76

Renal: systemic renin indices and renal vein renin ratios as prognostic indicators in remedial renovascular hypertension. Stanley JC, et al. **J Surg Res** 20(3):149–55, Mar 76

Hypertension reviews: the incidence of low-renin essential hypertension in Davidson County, Tennessee hypertensives. Hollifield JW. **J Tenn Med Assoc** 69(2):102, 109, Feb 76 (3 ref.)

Plasma renin assays in the evaluation of hypertension. Sannella JJ. **J Tenn Med Assoc** 69(3):196, Mar 76

Simple renal cyst and high renin hypertension cured by cyst decompression. Hoard TD, et al. **J Urol** 115(3):326–7, Mar 76

Segmental renal vein renin assay and segmental nephrectomy for correction of renal hypertension. Javadpour N, et al. **J Urol** 115(5):580–2, May 76

Renovascular hypertension: does the renal vein renin ratio predict operative results? Marks LS, et al. **J Urol** 115(4):365–8, Apr 76

Letter: Clinical use of renin determinations. **JAMA** 233(12):1259–60, 22 Sep 75

Clinical implications of renin in the hypertensive patient. Brunner HR, et al. **JAMA** 233(10):1091–3, 8 Sep 75

Unilateral 'Page kidney' hypertension in man. Studies of the renin-angiotensin-aldosterone system before and after nephrectomy. Mullins MF, et al. **JAMA** 231(1):42–5, 6 Jan 75

The effects of respiratory acidosis on plasma renin activity in the dog. Fujii H, et al. **Jpn Circ J** 39(10):1115–21, Oct 75

Diagnostic value of plasma renin activity and plasma angiotensin II in renovascular hypertension. Fukuchi S, et al. **Jpn Circ J** 39(7):823–7, Jul 75

Plasma renin activity and prognosis in patients with chronic glomerulonephritis treated without hemodialysis. Kaneko Y. **Jpn Circ J** 39(7):811–3, Jul 75

Plasma renin activity in acute respiratory acidosis. Morita T. **Jpn Circ J** 40(2):123–6, Feb 76

Renin release and the juxtaglomerular apparatus in chronic renal failure due to glomerulonephritis. Saruta T, et al. **Jpn Circ J** 40(2):109–17, Feb 76

Relationship between plasma renin activity and blood pressure response to antihypertensive agents. A proposal for management of essential and renal hypertension. Tanaka K, et al. **Jpn Circ J** 39(7):805–10, Jul 75

Elevated plasma renin activity in aortitis syndrome. Abe K, et al. **Jpn Heart J** 17(1):1–11, Jan 76

Pheochromocytoma with renal artery stenosis and high plasma renin activity. Ishibashi M, et al. **Jpn Heart J** 16(6):741–8, Nov 75

Proceedings: Relationship between cathecholamine and renin-angiotensin system in spontaneously hypertensive rats. Kajiwara N, et al. **Jpn Heart J** 17(3):410–1, May 76

Proceedings: Changes of plasma renin activity and plasma aldosterone by aging of spontaneously hypertensive rat, and their relationship with blood pressure. Mikami T, et al. **Jpn Heart J** 16(3):349, May 75

Perinephritis hypertension in monkeys. I. An increase of plasma renin activity associated with increased permeability of retinal vessels and angionecrosis. Okabayashi T, et al. **Jpn Heart J** 17(1):61–72, Jan 76

Proceedings: Plasma renin activity in SHR. Shiono K, et al. **Jpn Heart J** 16(3):344–5, May 75

Effect of blockade of angiotensin II on blood pressure, renin and aldosterone in cirrhosis. Schroeder ET, et al. **Kidney Int** 9(6):511–9, Jun 76

Effect on aging on plasma renin and aldosterone in normal man. Weidmann P, et al. **Kidney Int** 8(5):325–33, Nov 75

The clinical value of renin and angiotensin estimations. Beevers DG, et al. **Kidney Int [Suppl]** :S181–201, Sep 75 (248 ref.)

Effect of sodium intake on prostaglandin A, renin and aldosterone in normotensive humans. Payakkapan W, et al. **Kidney Int [Suppl]** :S283–90, Sep 75

Improvement of renin determination in human plasma using a commonly available renin standard in a radioimmunological method. Hummerich W, et al. **Klin Wochenschr** 53(12):559–69, 15 Jun 75 (Eng. Abstr.)

Control of mineralocorticoid substitution in Addison's disease by plasma renin measurement. Oelkers W, et al. **Klin Wochenschr** 54(13):607–12, 1 Jul 76

Changes of plasma renin, angiotensin II and renin substrate during reversal of malignant renovascular hypertension. Schultze G, et al. **Klin Wochenschr** 53(23):1115–9, 1 Dec 75

[Renin-, aldosteron- und blutdruckverhalten nach akuter beta-adrenerger rezeptorenblockade bei hypertensiven patienten (author's transl)] Stumpe KO, et al. **Klin Wochenschr** 54(16):775–82, 15Aug 76

Editorial: Renin in international units. **Lancet** 2(7946):1194, 13 Dec 75

Renin-angiotensin system in essential hypertension. Aurell M, et al. **Lancet** 2(7930):342–5, 23 Aug 75

Letter: Standardisation for renin assay. Bangham DR, et al. **Lancet** 1(7970):1181, 29 May 76

Letter: Hunt for renal hypertension. Bergentz SE, et al. **Lancet** 1(7967):1017–8, 8 May 76

Effects of timolol and hydrochlorothiazide on blood-pressure and plasma renin activity. Double-blind factorial trial. Chalmers J, et al. **Lancet** 2(7981):328–31, 14 Aug 76

Letter: Supraregional assay service. Ekins RP. **Lancet** 1(7962):740, 3 Apr 76

Suppression of sympathetic nervous function in low-renin essential hypertension. Esler M, et al. **Lancet** 2(7977):115–8, 17 Jul 76

Letter: Timolol, hydrochlorothiazide, blood-pressure, and renin in essential hypertension. Fyhrquist F, et al. **Lancet** 02(7987):691–2, 25 Sep 76

Renin dependency of blood-pressure. Analysis by angiotensin II antagonist P113 in hypertensive patients treated with salt depletion and propranolol. Geyskes GG, et al. **Lancet** 1(7968):1049–51, 15 May 76

Disturbed relationship of plasma-renin to blood-pressure in hypertension. Lucas CP, et al. **Lancet** 2(7893):1337–9, 7 Dec 74

Effect of beta-adrenergic blockade on plasma-renin activity and intractable hypertension in patients receiving regular dialysis treatment. Moore SB, et al. **Lancet** 2(7976):67–70, 10 Jul 76

Inhibition of frusemide-induced hyperreninaemia by growth-hormone release-inhibiting hormone in man. Rosenthal J, et al. **Lancet** 1(7963):772–4, 10 Apr 76

The hunt for renal hypertension. Swales JD. **Lancet** 1(7959):577–9, 13 Mar 76

Beta-adrenoreceptor blockade in the conscious rabbit: effects on plasma renin activity and blood pressure. Weber MA, et al. **Life Sci** 17(6):959–67, 15 Sep 75

Plasma renin activity in acromegaly. Hauger-Klevene JH. **Medicina (B Aires)** 35(4):420–5, Jul–Aug 75

Letter: Furosemide stimulation of peripheral renin in men and women. Fernandez PG, et al. **N Engl J Med** 294(21):1182, 20 May 76

Letter: Selective renin determinations in hypertensive renal-transplant recipients. Fyhrquist F, et al. **N Engl J Med** 293(21):1105, 20 Nov 75

Letter: Renin profiling in hypertension. Gavras H, et al. **N Engl J Med** 295(13):734, 23 Sep 76

Proposed mechanisms of propranolol's antihypertensive effect in essential hypertension. Hollifield JW, et al. **N Engl J Med** 295(2):68–73, 8 Jul 76

Editorial: Propranolol again: order out of chaos? Krakoff LR. **N Engl J Med** 295(2):102, 8 Jul 76

Letter: Atenolol and renin release. Sassard J, et al. **N Engl J Med** 294(14):787, 1 Apr 76

Letter: Measurement of renin activity. Simon NM. **N Engl J Med** 295(11):622–3, 9 Sep 76

Letter: Blood pressure, plasma renin activity, beta blockade and cardioselective beta-blocking drugs. Von Bahr R, et al. **N Engl J Med** 294(21):1181, 20 May 76

Editorial: Measurement of renin activity—when is it useful? Williams GH. **N Engl J Med** 294(21):1176–7, 20 May 76

Renin profiling in hypertension and its use in treatment with propranolol and chlorthalidone. Woods JW, et al. **N Engl J Med** 294(21):1137–43, 20 May 76

Suppression of isoprenaline-induced increase in plasma renin concentration by vasoconstrictors in rats with nonfunctioning Macula densa. Meyer DK, et al. **Nauayn Schmiedebergs Arch Pharmacol** 290(2–3):315–21, 24 Sep 75

The effect of indomethacin on kidney function and plasma renin activity in man. Donker AJ, et al. **Nephron** 17(4):288–96, 1976

Hypertension and plasma renin activity in experimentally induced chronic pyelonephritis. Tsuchida S, et al. **Nephron** 17(3):215–23, 1976

Letter: Posture and salt intake affect study. Giangiacomo J. **Pediatrics** 56(3):487, Sep 75

Effects of unilateral nephrectomy on plasma renin substrate and renin concentration in rats. Kokubu T, et al. **Pfluegers Arch** 358(4):303–10, 12 Aug 75

The effect of a protein-free diet on the renin-angiotensin system in the rat. Sonkodi S, et al. **Pfluegers Arch** 363(2):175–8, 12 May 76

Influence of age on orthostatic changes in plasma renin activity and urinary catecholamines in man. Horký K, et al. **Physiol Bohemoslov** 24(6):481–8, 1975

Plasma renin activity in patients with chronic cor pulmonale syndrome. Tomaszewski J, et al. **Pol Med Sci Hist Bull** 15(2):207–11, Mar–Apr 75

Pathologic hypofunction of the renin-angiotensin-aldosterone system. Priest JN, et al. **Postgrad Med** 59(2):86–93, Feb 76

Purification of canine plasma renin by affinity chromatography. Walsh R, et al. **Prep Biochem** 6(2–3):177–91, 1976

Relationship of vascular reactivity to plasma renin concentration in patients with terminal renal failure. Rosen SM, et al. **Proc Clin Dial Transplant Forum** (4):45–7, 1974

Circadian rhythm of plasma renin activity and plasma aldosterone in normal man and in renal allograft recipients. Armbruster H, et al. **Proc Eur Dial Transplant Assoc** 11:268–76, 1975

Plasma renin activity (PRA) and plasma aldosterone (PA) in hypertensive kidney allograft recipients. Baumann K, et al. **Proc Eur Dial Transplant Assoc** 12:471–6, 1976

Blood pressure, circulating renin and the body sodium/volume state in patients with mild renal failure. Beretta-Piccoli C, et al. **Proc Eur Dial Transplant Assoc** 12:291–8, 1976

The effect of indomethacin on plasma renin activity in man. Rumpf KW, et al. **Proc Eur Dial Transplant Assoc** 12:299–306, 1976

Effect of deoxycorticosterone acetate and 16beta-hydroxy-dehydroepiandrosterone on blood pressure and plasma renin activity of rats. Ayachi S, et al. **Proc Soc Exp Biol Med** 152(2):218–20, Jun 76

Serum renin and renin substrate levels in scleroderma. Fleischmajer R, et al. **Proc Soc Exp Biol Med** 150(2):374–9, Nov 75

Effects of propranolol on renin release during chronic thoracic caval constriction or acute renal artery stenosis in dogs. Hanson RC, et al. **Proc Soc Exp Biol Med** 152(2):224–8, Jun 76

Renin and hemodynamic changes via central adrenergic, cholinergic, and sodium receptor mechanisms in conscious rats. Morris M, et al. **Proc Soc Exp Biol Med** 151(1):101–4, Jan 76

The effect of indomethacin on plasma renin activity in man under normal conditions and after stimulation of the renin angiotensin system. Rumpf KW, et al. **Prostaglandins** 10(4):641–8, Oct 75

Plasma renin activity in depressed patients treated with increasing doses of lithium carbonate. Altamura AC, et al. **Psychopharmacologia** 45(2):171–5, 31 Dec 75

Effect of operant conditioning of heart rate on plasma renin activity. Young LD, et al. **Psychosom Med** 38(4):278–81, Jul–Aug 76

Segmental renal vein sampling for renin. Korobkin M, et al. **Radiology** 118(2):307–13, Feb 76

Plasma renin activity, water excretion and the decay of injected hormones and hormonal effects in rats with protein energy malnutrition. van der Westhuysen JM, et al. **S Afr Med J** 49(43):1799–803, 11 Oct 75

Plasma renin activity in oedematous and marasmic children with protein energy malnutrition. van der Westhuysen JM, et al. **S Afr Med J** 49(42):1729–31, 4 Oct 75

Unimpeded plasma renin increase after intravenous furosemide during saline replacement. Hesse B, et al. **Scand J Clin Lab Invest** 36(1):23–8, Jan 76

Erythropoietin and renin after renal transplantation. Fyhrquist F, et al. **Scand J Urol Nephrol** (29 Suppl):143–5, 6–7 Mar 75

Changes in renin and blood pressure levels during renal transplantation. Innes RK, et al. **Scand J Urol Nephrol** (29 Suppl):139–42, 6–7 Mar 75

Plasma renin activity in the evaluation of hypertension in renal transplant recipients. Wallenius M, et al. **Scand J Urol Nephrol** (29 Suppl):147–50, 6–7 Mar 75

Experience with renal vein renin ratios in the identification of a pressor kidney. Figueroa JE, et al. **South Med J**

68(10):1200–6, Oct 75
Failure of aspirin to antagonize the antihypertensive effect of spironolactone in low-renin hypertension. Hollifield JW. **South Med J** 69(8):1034–6, Aug 76
Renin and juxtaglomerular apparatus in a patient with primary aldosteronism complicated by chronic renal failure. Iyori S, et al. **South Med J** 69(7):951–2, Jul 76
Contribution to the study of the renin—angiotensin system by means of radioimmunoassay. Slouka V, et al. **Strahlentherapie [Sonderb]** 74:293–300, 1975
The predictive accuracy of renal vein renin activity in the surgery of renovascular hypertension. Couch NP, et al. **Surgery** 79(1):70–6, Jan 76
Relationship between collateral development and renin in experimental renal arterial stenosis. Ernst CB, et al. **Surgery** 80(2):252–8, AUG 76
Application to a radioimmunoassay for angiotensin I to the measurement of plasma renin in rabbits, and comparison with a biological assay of plasma renin activity. Kurihara H, et al. **Tohoku J Exp Med** 116(3):219–27, Jul 75
Effects of 1-sarcosine-8-isoleucine-angiotensin II on blood pressure and plasma renin activity in various types of hypertension. Yasujima M, et al. **Tohoku J Exp Med** 116(3):277–83, Jul 75
Red blood cell catechol-o-methyl transferase, plasma catecholamines and renin in renal failure. Atuk NO, et al. **Trans Am Soc Artif Intern Organs** 22:195–200, 1976
Mechanisms of blood pressure control in anephrics: plasma renin and dopamine beta hydroxylase activity. White RP, et al. **Trans Am Soc Artif Intern Organs** 22:420–4, 1976
Renin-dependent renovascular hypertension in infant with abdominal aortic atresia. Juncos LI, et al. **Urology** 7(6):628–31, Jun 76
Effect of autonomic hyperreflexia on plasma renin. Nanninga JB, et al. **Urology** 7(6):638–40, Jun 76
Traumatic renal artery thrombosis with acute malignant hypertension and hyperreninemia. Richie JP, et al. **Urology** 6(4):481–4, Oct 75
Renin-dependent hypertension in children with reflux nephropathy. Siegler RL. **Urology** 7(5):474–8, May 76
[Relation between plasma renin activity and urinary catecholamines in individual types of hypertension (author's transl)] Horký K, et al. **Cas Lek Cesk** 114(30):920–7, 25 Jul 75 (Eng. Abstr.) **(Cze)**
[Use of diagnostic sets for radioimmunoassay of renin for the simultaneous determination of the renin substrate (author's transl)] Horký K, et al. **Cas Lek Cesk** 114(42):1305–8, 17 Oct 75 (Eng. Abstr.) **(Cze)**
[Plasma renin activity and ischemic heart disease] Slabý A, et al. **Cas Lek Cesk** 114(43):1325–31, 24 Oct 75 (Eng. Abstr.) **(Cze)**
[Incidence of suppressed plasma renin concentration in a population of patients with essential hypertension (author's transl)] Zofková I. **Cas Lek Cesk** 114(31–32):991–2, 8 Aug 75 (Eng. Abstr.) **(Cze)**
[Relationship of plasma renin activity and exchangeable sodium in various types of hypertension] Horký K, et al. **Vnitr Lek** 21(8):731–42, Aug 75 (Eng. Abstr.) **(Cze)**
[Effect of furosemide and ACTH on plasma renin, aldosterone and cortisol levels in normal man] Cénac A, et al. **Ann Endocrinol (Paris)** 36(3):153–62, May–Jun 75 (Eng. Abstr.) **(Fre)**
[Proceedings: Plasma renin activity in management of Addison's disease (author's transl)] Linquette M, et al. **Ann Endocrinol (Paris)** 36(2):103–4, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Differentiation of essential arterial hypertension by determination of plasma renin activity] Olmer AM, et al. **Helv Chir Acta** 42(3):357–65, Jun 75 **(Fre)**
[Angiography and renin determination in the diagnosis of renal hypertension] Feltrin GP, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:487, 1975 **(Fre)**
[Correlation between renal arteriography and renin levels in patients with hypertension] Simonetti G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:484–7, 1975 **(Fre)**
[Hemodynamic effects and effects on plasma renin activity of injectable acebutolol in arterial hypertension] Lekieffre J, et al. **Nouv Presse Med** 4(46 SUPPL):3247–51, 31 Dec 75 (Eng. Abstr.) **(Fre)**
[Labile arterial hypertension. Hemodynamic study with measurement of renin activity] Tourniaire A, et al. **Nouv Presse Med** 4(38):2701–4, 8 Nov 75 (Eng. Abstr.) **(Fre)**
[Plasma renin activity, plasma aldosterone and electrolyte balance in the postoperative period (author's transl)] Hackl JM, et al. **Anaesthesist** 24(11):477–82, Nov 75 (Eng. Abstr.) **(Ger)**
[Plasma renin activity and plasma aldosterone during anaesthesia and operative stress and beta-adrenergic blockade (author's transl)] Wernze H, et al. **Anaesthesist** 24(11):471–6, Nov 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Cyclic changes of renin activity, renin substrate concentration and serum aldosterone concentration in the female] Kaulhausen H, et al. **Arch Gynaekol** 219(1–4):563–4, 18 Nov 75 **(Ger)**
[Letter: Plasma renin determination] Klaus D. **Dtsch Med Wochenschr** 100(49):2553, 5 Dec 75 **(Ger)**
[Plasma-aldosterone and renin activity in Bartter's syndrome (author's transl)] Rössler R. **Dtsch Med Wochenschr** 100(47):2443–8, 21 Nov 75 (Eng. Abstr.) **(Ger)**
[Nomogram for the relation between plasma renin activity and fasting urinary sodium creatinine ratio (author's transl)] Skrabal F. **Dtsch Med Wochenschr** 100(52):2649–51, 26 Dec 75 (Eng. Abstr.) **(Ger)**
[Diurnal profiles of plasma aldosterone, cortisol, renin, angiotensinogen and angiotensinases in normal subjects (author's transl)] Lommer D, et al. **Klin Wochenschr** 54(3):123–30, 1 Feb 76 (Eng. Abstr.) **(Ger)**
[The effect of indomethacin on basal and stimulated plasma renin activity in normal subjects (author's transl)] Rumpf KW, et al. **Klin Wochenschr** 54(6):255–9, 15 Mar 76 (Eng. Abstr.) **(Ger)**
[Different reaction of plasma renin activity after propranolol in essential and renal hypertension] Skrabal F. **Klin Wochenschr** 53(13):629–32, 1 Jul 75 (Eng. Abstr.) **(Ger)**
[Effect of chronic beta-adrenergic blockade on blood pressure and release of renin, aldosterone and cortisol in essential hypertension (author's transl)] Stumpe KO, et al. **Klin Wochenschr** 53(19):907–11, 1 Oct 75 (Eng. Abstr.) **(Ger)**
[Interrelations between blood pressure, blood volume, plasma renin and urinary catecholamines during beta-blockade in essential hypertension (author's transl)] Weidmann P, et al. **Klin Wochenschr** 54(16):765–73, 15Aug 76 (Eng. Abstr.) **(Ger)**
[Clinical importance of the renin-angiotensin-aldosterone system in hypertension] Rosenthal J. **Med Monatsschr** 29(9):387–92, Sep 75 **(Ger)**
[Principle and range of application of radioimmunoassay. (V). The renin-angiontensin-aldosterone system] von Lilienfeld-Toal H, et al. **Med Welt** 27(7):320–2, 13 Feb 76 **(Ger)**
[The influence of propranolol, practolol and theophylline on the plasma renin activity (author's transl)] Zehner J, et al. **Res Exp Med (Berl)** 166(3):275–82, 30 Dec 75 (Eng. Abstr.) **(Ger)**
[Proceedings: The effect of beta receptor treatment with pindolol on the plasma renin activity and the left-ventricular dynamics in essential hypertension] Nussberger J, et al. **Schweiz Med Wochenschr** 105(44):1462–4, 1 Nov 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Experimentally induced effects on the plasma renin activity] Stepanek J, et al. **Schweiz Med Wochenschr** 105(51):1780–1, 20 Dec 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Correlations between blood pressure, body sodium/blood volume state and plasma renin in patients with terminal kidney insufficiency] Weidmann P, et al. **Schweiz Med Wochenschr** 105(51):1779–80, 20 Dec 75 (Eng. Abstr.) **(Ger)**
[Renin-aldosterone behavior in hypertensive chronic glomerulonephritis] Brass H, et al. **Verh Dtsch Ges Inn Med** 81:1023–6, 1975 **(Ger)**
[Inadequate behavior of plasma renin and aldosterone in renoparenchymal hypertension] Klumpp F, et al. **Verh Dtsch Ges Inn Med** 81:1071–4, 1975 **(Ger)**
[Plasma renin activity, blood circulation and oxygen consumption of kidneys as parameters for the evaluation of functional efficiency in renal artery stenoses] Meurer KA, et al. **Verh Dtsch Ges Inn Med** 81:1077–8, 1975 **(Ger)**
[Low-renin hypertension, a separate form of hypertension or only a disease stage of essential hypertension?] Wenning N, et al. **Verh Dtsch Ges Inn Med** 81:1074–7, 1975 **(Ger)**
[Proceedings: Behavior of gastrin and renin following deglycyrrhizinized succus liquiritiae and carbenoxolone administration in healthy subjects] Baas EU, et al. **Z Gastroenterol** 14(2):231–2, Mar 76 **(Ger)**
[Radioimmunologic diagnosis and pathobiochemistry of the renin-angiotension-aldosterone system. Report of the workshop conference of the German Society for clinical chemistry on January 31 and February 1, 1975 in Bonn (author's transl)] Kley HK, et al. **Z Klin Chem Klin Biochem** 13(11):511–5, Nov 75 (Eng. Abstr.) **(Ger)**
[Plasma renin activity in hypertonic patients with chronic renal insufficiency in a long-term dialysis program] Erben J, et al. **Z Urol Nephrol** 68(12):921–6, Dec 75 **(Ger)**
[Cardiovascular complications in low renin hypertension] Habut B, et al. **Harefuah** 89(7):296–8, 1 Oct 75 (Eng. Abstr.) **(Heb)**
[The clinical importance of plasma renin activity] Reisin E, et al. **Harefuah** 89(5):219–21, 1 Sep 75 **(Heb)**
[Renin and aldosterone] Salvetti A, et al. **Ann Ist Super Sanita** 11(1–2):72–97, 1975 (Eng. Abstr.) **(Ita)**
[Interference of canrenoate potassium with plasma renin activity. Note I. Effects of canrenoate potassiumon plasma renin activity in patients with essential hypertension] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1943–9, 30 Dec 75 **(Ita)**
[Effect of beta-adrenergic block on the response of plasma renin activity to acute sodium depletioa in the rabbit] Iacobelli A, et al. **Boll Soc Ital Biol Sper** 51(18):1133–9, 30 Sep 75 **(Ita)**
[Dynamic aspects of the renin-plasma activity in subjects affected by essential arterial hypertension] Gragnoli G, et al. **Boll Soc Ital Cardiol** 19(3):313–21, 1974 (Eng. Abstr.) **(Ita)**
[Plasma renin activity after the cold pressor test in arterial hypertensive syndromes] Squadrito G, et al. **Boll Soc Ital Cardiol** 20(1):51–8, 1975 (Eng. Abstr.) **(Ita)**
[Effects of propranolol on the dynamic changes of plasma-renin-activity in essential arterial hypertension] Gragnoli G, et al. **Cardiol Prat** 26(1):11–7, Jan–Jun 75 (Eng. Abstr.) **(Ita)**
[Blood renin and renal perfusion in grave experimental hemorrhagic shock] Pigliucci GM, et al. **Chir Patol Sper** 22(5):255–67, Oct 74 (Eng. Abstr.) **(Ita)**
[Evidence for circadian variability in the renin-angiotensin II system (author's transl)] Fersini C, et al. **G Ital Cardiol** 5(5):752–69, 1975 (Eng. Abstr.) **(Ita)**
[Antirenin activity of practolol in uremic subjects under hemodialysis treatment] Splendiani G, et al. **Minerva Nefrol** 22(2–3):93–8, Mar–Jun 75 (Eng. Abstr.) **(Ita)**
[Diazoxide test in the diagnosis of arterial hypertension: modifications in the levels of renin and aldosterone in blood of patients with various restrains of the renal function] Cecchettin M, et al. **Quad Sclavo Diagn** 11(2):397–406, Jun 75 (Eng. Abstr.) **(Ita)**
[Diagnostic and prognostic value of the separated renin in hypertension due to monolateral nephropathy] Pessina AC, et al. **Quad Sclavo Diagn** 11(2):257–65, Jun 75 (Eng. Abstr.) **(Ita)**
[Studies on the renin-angiotensin system in adrenal regeneration hypertension (author's transl)] Hasatani K. **Folia Endocrinol Jpn** 51(4):217–27, 20 Apr 75 (Eng. Abstr.) **(Jpn)**
[Effects of low salt plus upright posture, angiotensin II, ACTH, and potassium upon plasma renin activity, aldosterone, and cortisol (author's transl)] Saruta T, et al. **Folia Endocrinol Jpn** 51(9):740–4, 20 Sep 75 (Eng. Abstr.) **(Jpn)**
[A reduced aldosterone response to infused angiotensin II in low renin essential hypertension (author's transl)] Hidaka H. **J Jpn Soc Intern Med** 64(8):797–808, 10 Aug 75 **(Jpn)**
[The fole of the renin-angiotensin system in secondary aldosteronism (author's transl)] Kondo K. **J Jpn Soc Intern Med** 64(1):23–32, 10 Jan 75 **(Jpn)**
[An autopsy case of primary hyperparathyroidism (parathyroid cancer) associated with hyperreninemia (author's transl)] Nishino T, et al. **J Jpn Soc Intern Med** 64(5):491–8, 10 May 75 **(Jpn)**
[Plasma renin level, clinical findings and association of apoplexy in essential hypertension] Kaneko Y, et al. **Jpn J Clin Med** 34(1):85–91, 10 Jan 76 **(Jpn)**
[Renin and apoplexy—plasma renin and vascular disorders in stroke-prone spontaneously hypertensive rats] Matsunaga M, et al. **Jpn J Clin Med** 34(1):92–6, 10 Jan 76 (19 ref.) **(Jpn)**
[Primary aldosteronism—hypertension associated with hypokalemia and reduced plasma renin activities] Takatsu T, et al. **Jpn J Clin Med** 33(11):3248–60, 10 Nov 75 **(Jpn)**
[Hypertension in the aged. (4) Renal and hormonal factors] Yoshinaga K. **Jpn J Geriatr** 12(4):231–3, Jul 75 **(Jpn)**
[Effects of benzothiazepine derivative (CRD-401) on blood pressure, excretion of electrolytes and plasma renin activity] Funyu T, et al. **Jpn J Nephrol** 16(5):529–36, May 74 (Eng. Abstr.) **(Jpn)**
[Hypertension and renin/angiotensin. Physiopathological and therapeutical aspects] Jorgensen H. **Tidsskr Nor Laegeforen** 95(34–36):1988–91, 10 Dec 75 **(Nor)**
[Activity of the renin-angiotensin system in rat during prolonged vasopressin administration] Szadowska A, et al. **Endokrynol Pol** 26(4):423–9, Jul–Aug 75 (Eng. Abstr.) **(Pol)**
[Arterial hypertension. A new classification and therapy based on renin plasma activity] Luna RL, et al. **Arq Bras Cardiol** 28(3):277–91, Jun 75 (Eng. Abstr.) **(Por)**
[Research on plasma renin activity in cirrhotic patients] Mardare G, et al. **Rev Med Intern [Med Intern]** 26(9):979–85, Nov–Dec 74 **(Rum)**
[Renin concentration in the blood of dogs with different variants of acute blood pressure alteration] Branchevskil LL. **Fiziol Zh SSSR** 61(9):1408–14, Sep 75 (Eng. Abstr.) **(Rus)**
[Hemodynamics and the renin-aldosterone system in chronic glomerulonephritis] Ratner NA, et al. **Klin Med (Mosk)** 52(2):117–23, Feb 74 **(Rus)**
[Renin-angiotensin-aldosterone system in hypertensive disease and arteriosclerotic myocardioslcerosis complicated by chronic circulatory insufficiency] Shushliapin OI, et al. **Vrach Delo** (7):53–7, Jul 75 (Eng. Abstr.) **(Rus)**
[State of the renin-angiotensin system in acute and chronic circulatory insufficiency] Vlasenko MA, et al. **Vrach Delo** (8):14–7, Aug 75 (Eng. Abstr.) **(Rus)**
[The renin-angiotensin-aldosterone system in the diagnosis of renovascular arterial hypertension] Sánchez Torres G, et al. **Arch Inst Cardiol Mex** 46(2):198–212, Mar–Apr 76 (Eng. Abstr.) **(Spa)**
[Diabetes mellitus, arterial hypertension and serum levels of renin] Colinabarranco González M, et al. **Prensa Med Mex** 41(3–4):84–9, Mar–Apr 76 (Eng. Abstr.) **(Spa)**
[Sodium metabolism, plasma renin activity and arterial pressure in patients treated with periodic hemodialysis] Botey A, et al. **Rev Clin Esp** 140(1):59–66, 15 Jan 76 (Eng. Abstr.) **(Spa)**
[Effects of electroconvulsive shock on rénin activity and plasma electrolytes] Jimeno Carruéz A, et al. **Rev Clin Esp** 139(4):309–12, 30 Nov 75 (Eng. Abstr.) **(Spa)**
[Plasma sodium and potassium after electroshock and

bleeding in rabbits] Jimeno Carruéz A, et al. **Rev Clin Esp** 139(5):403–5, 15 Dec 75 (Eng. Abstr.) **(Spa)**

[Adrenergic beta receptor blockaders in arterial hypertension] Rodríguez-Navarro CQ, et al. **Rev Clin Esp** 139(4):345–51, 30 Nov 75 (Eng. Abstr.) **(Spa)**

[Kinetics of renin reaction in rat plasma (author's transl)] Campillo JE, et al. **Rev Esp Fisiol** 32(1):33–6, Mar 76 (Eng. Abstr.) **(Spa)**

[Plasma renin and angiotensinase activity in primary arterial hypertension in children and adolescents] Lupal'tseva SE. **Pediatr Akush Ginekol** :15–6, May–Jun 76 **(Ukr)**

DEFICIENCY

Hyporeninemic hypoaldosteronism with diabetic glomerulosclerosis. Sparagana M. **Biochem Med** 14(1):93–103, Sep 75

IMMUNOLOGY

Chronic one-kidney hypertension in rabbits. I. Treatment with kidney extracts. Skeggs LT, et al. **Circ Res** 37(6):715–24, Dec 75

ISOLATION & PURIFICATION

Chromatography of renin substrate on concanavalin A—Agarose. Printz MP, et al. **Anal Biochem** 73(1):134–8, 21 May 76

A comparison of the properties of renin isolated from pig and rat kidney. Lauritzen M, et al. **Biochem J** 155(2):317–23, 1 May 76

Purification of hog renin by affinity chromatography using the synthetic competitive inhibitor (D–Leu6)octapeptide. Poulsen K, et al. **Biochim Biophys Acta** 400(2):258–62, 19 Aug 75

Partial purification of a high molecular weight renin from hog kidney. Levine M, et al. **Circ Res** 38(6 Suppl 2):90–4, Jun 76

Isolation of renin granules from rat kidney cortex and evidence for an inactive form of renin (prorenin) in granules and plasma. Morris BJ, et al. **Endocrinology** 98(6):1466–74, Jun 76

Partial characterization of hog renin purified by affinity chromatography. Devaux C, et al. **Eur J Biochem** 64(2):621–7, 1 May 76

The isolation of renin granules from rabbit kidney cortex by free flow electrophoresis. Dew ME, et al. **Hoppe Seylers Z Physiol Chem** 356(5):621–3, May 75

Column chromatographic analysis of relationship between hypertension-inducing potency and renin content of kidney extract. Yamamoto J, et al. **Jpn Circ J** 40(1):21–8, Jan 76

[Application of affinity chromatography to the study of renin] Devaux C, et al. **Pathol Biol (Paris)** 23(10):805–8, Dec 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Renin inactivation in vitro in non-pregnant rabbit uterine and kidney tissue. Jorgensen J. **Acta Pathol Microbiol Scand [A]** 84(1):28–32, Jan 76

Acid activation of renin in rabbit uterus. Jorgensen J. **Acta Pathol Microbiol Scand [A]** 84(2):123–9, Mar 76

Control of renin release: a review of experimental evidence and clinical implications. Zanchetti A, et al. **Am J Cardiol** 37(4):675–91, 31 Mar 76

A new radiolabeled protein renin substrate. Lentz KE, et al. **Anal Biochem** 74(1):1–11, Jul 76

Angiotensin-converting enzyme and the regulation of vasoactive peptides. Soffer RL. **Annu Rev Biochem** 45:73–94, 1976 (126 ref.)

Induction of particle-bound renin and arginine esterase by testosterone in the mouse. Gecse A, et al. **Biochem Pharmacol** 25(7):763–8, 1 Apr 76

Aldosterone and renin in essential hypertension. Genest J, et al. **Can Med Assoc J** 113(5):421–31, 6 Sep 75 (64 ref.)

Evidence for a renal alpha-adrenergic receptor inhibiting renin release. Pettinger WA, et al. **Circ Res** 38(5):338–46, May 76

Direct effect of beta-adrenergic stimulation on renin release by the rat kidney slice in vitro. Weinberger MH, et al. **Circ Res** 37(3):318–24, Sep 75

Direct intrarenal action of catecholamines on renin secretion. Vandongen R. **Clin Exp Pharmacol Physiol** Suppl 2:103–7, 1975

Role of the renin-angiotensin system in renal hypertension. An experimental approach. Helmchen U, et al. **Curr Top Pathol** 61:203–38, 1976

Renin activity in dog brain: enzymological similarity to cathepsin D. Day RP, et al. **Endocrinology** 99(1):93–100, Jul 76

Esterase activity in renin and kallikrein extracts obtained from rat kidneys. Porcelli G, et al. **Experientia** 31(8):888–9, 15 Aug 75

Studies of renin and aldosterone in cirrhotic patients with ascites. Rosoff L Jr, et al. **Gastroenterology** 69(3):698–705, Sep 75

The brain renin-angiotensin system: new observations. pp. 161–73. Reid IA.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Effect of propranolol on plasma renin activity, renal renin, and brain and adrenal isorenins in the rat. pp. 305–18. Guthrie GP Jr, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Renin–aldosterone interaction, beta-blockade, and differing antihypertensive efficacy of beta-blockers in high, normal, or low renin essential hypertension. pp 68–87. Bühler FR.
In: Schweizer W, ed. Beta-blockers – present status and future prospects. Bern, Huber, 1974. QV 132 B562 1974.

Letter: Renin-angiotensin and aldosterone in the gastro-intestinal syndrome after whole-body irradiation. Gerber GB, et al. **Int J Radiat Biol** 28(3):297–300, Sep 75

Dissociation of renin and aldosterone during dehydration: studies in a case of diabetes insipidus and adipsia. Schalekamp MA, et al. **J Clin Endocrinol Metab** 43(2):287–94, Aug 76

Influence of renin depletion on renal function after release of 24-hour ureteral obstruction. Huguenin M, et al. **J Lab Clin Med** 87(1):58–64, Jan 76

Sequential responses of the renin-angiotensin-aldosterone axis to acute postural change: effect of dietary sodium. Tuck ML, et al. **J Lab Clin Med** 86(5):754–63, Nov 75

The renin-angiotensin system in pregnancy. Chesley LC. **J Reprod Med** 15(5):173–80, Nov 75

Proceedings: Renin and lysosomal enzyme activities in the kidney of spontaneously hypertensive rats with accelerated hypertension. Saito N, et al. **Jpn Heart J** 16(3):346–8, May 75

Distribution of renin in subcellular fractions from the rabbit kidney. Morimoto S, et al. **Jpn J Pharmacol** 25(3):295–301, Jun 75

Effects of folic acid on glucose-6-phosphate dehydrogenase and renin activities of the rat kidney. Yamamoto K, et al. **Osaka City Med J** 20(1):23–31, 1974

Distal Tubule [Na+] and juxtaglomerular apparatus Renin activity in uranyl nitrate induced acute renal failure in the rat. An evaluation of the role of tubuloglomerular feedback. Flamenbaum W, et al. **Pfluegers Arch** 364(3):209–15, 24 Aug 76

The activation of the renin—angiotensin system in the dog after injection of noradrenaline into the lateral brain ventricle. Pojda SM, et al. **Pol J Pharmacol Pharm** 27(6):603–11, Nov–Dec 75

The effect of age and norepinephrine on renin release by rat kidney slices in vitro. Aoi W, et al. **Proc Soc Exp Biol Med** 151(1):47–52, Jan 76

Effect of propranolol on plasma renin activity, renal cortex renin, and adrenal and brain isorenins in rats. Dornier A, et al. **Proc Soc Exp Biol Med** 150(2):521–4, Nov 75

Distribution and disappearance rate of submaxillary renin. Yoshida H, et al. **Proc Soc Exp Biol Med** 150(2):451–6, Nov 75

The effects of pulseless perfusion on the distribution of renal cortical blood flow and on renin release. Goodman TA, et al. **Surgery** 80(1):31–9, Jul 76

Jeremiah Metzger lecture, 1974: The renin-angiotensin system. Some new aspects. Genest J, et al. **Trans Am Clin Climatol Assoc** 86:139–62, 1975

[Effects of acebutolol on the renin–aldosterone system in essential arterial hypertension] Plouin PF, et al. **Nouv Presse Med** 4(46 SUPPL):3234–8, 31 Dec 75 (Eng. Abstr.) **(Fre)**

[The renin-angiotensin-aldosterone system in parenchymatous liver diseases] Wernze H. **Internist (Berlin)** 17(3):136–41, Mar 76 **(Ger)**

[Renin-angiotensin and aldosterone system during carbenoxolone-induced escape phenomenon] Krause DK, et al. **Verh Dtsch Ges Inn Med** 81:1532–5, 1975 **(Ger)**

[Involvement of the Renin-angiotensin system in experimental hyper-tensions, demonstrated by a new specific angiotensin II antagonist] Schölkens BA. **Verh Dtsch Ges Kreislaufforsch** 41:320–7, 1975 **(Ger)**

[Introduction to the problem of relationship between renin, sodium and hydric spaces in the pathogenesis of renal hypertension] Bianchi G, et al. **Minerva Nefrol** 19(2):96–103, Mar–Apr 72 **(Ita)**

[Effects of coenzyme Q10 on the blood pressure and renal renin content in spontaneously hypertensive rats] Morotomi Y, et al. **Acta Med (Fukuoka)** 45(5):303–8, Nov 75 (Eng. Abstr.) **(Jpn)**

[Qualitative differences in brain renin in mice of lines BALB/cj, C57BL/6j, Ay-C57BL/6j] Kolpakov MG, et al. **Dokl Akad Nauk SSSR** 228(5):1212–4, 1976 **(Rus)**

[Activity of renin and diurnal excretion of aldosterone in patients with heart defects with circulatory insufficiency] Shushliapin OI. **Vrach Delo** (4):73–5, Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The renin-angiotensin system in the control of aldosterone secretion in the rat. Davis JO, et al. **Acta Physiol Lat Am** 24(5):399–404, 1974

Antidiuresis produced by injection of renin into the third cerebral ventricle of the dog. Malayan SA, et al. **Endocrinology** 98(2):329–35, Feb 76

The effects of intracerebroventricular administration of renin on drinking and blood pressure. Reid IA, et al. **Endocrinology** 97(3):536–42, Sep 75

A pressor formation by trypsin from renin-denatured human plasma protein. Arakawa K, et al. **J Clin Endocrinol Metab** 42(3):599–602, Mar 76

Effect of renin-angiotensin system on sodium intake. Chiaraviglio E. **J Physiol (Lond)** 255(1):57–66, Feb 76

Effect of the renin-angiotensin system on sodium appetite. Chiaraviglio E. **Prog Brain Res** 42:319, 1975

PHYSIOLOGY

The renin-angiotensin-aldosterone system in parenchymal kidney disease. Maxwell MH, et al. **Adv Nephrol** 5:301–32, 1975 (168 ref.)

Antihypertensive beta blocking action as related to renin and age: a pharmacologic tool to identify pathogenetic mechanisms in essential hypertension. Bühler FR, et al. **Am J Cardiol** 36(5):653–69, 31 Oct 75

Renin and blood pressure. Federspiel B. **Am J Nurs** 75(9):1462–4, Sep 75

Effect of beta-adrenergic blockade and inhibitors of angiotensin II and prostaglandins on renal autoregulation. Anderson RJ, et al. **Am J Physiol** 229(3):731–6, Sep 75

Interrelations of renin, angiotensin II, and sodium in hypertension and renal failure. Gavras H, et al. **Annu Rev Med** 27:485–521, 1976 (296 ref.)

Renin and the therapy of hypertension. Guthrie GP Jr, et al. **Annu Rev Pharmacol Toxicol** 16:287–308, 1976 (225 ref.)

Rat uterus renin-like activity: effect of stimuli and hormones. Gutman Y, et al. **Br J Pharmacol** 56(3):285–92, Mar 76

Quantitative analysis of the acute response to haemorrhage of the renin–angiotensin–vasoconstrictor feedback loop in areflexic dogs. Brough RB Jr, et al. **Cardiovasc Res** 9(6):722–33, Nov 75

A morphometric study on the pars intermedia of the hypophysis during impairment of the renin–angiotensin–aldosterone system in sodium depleted mice. Kobayashi Y, et al. **Cell Tissue Res** 168(2):153–9, 6 May 76

The renin-angiotensin system in patients with acute respiratory insufficiency. Anderson WH, et al. **Chest** 69(2 Suppl):309–11, Feb 76

Renal blood flow and its response to angiotensin II. An interaction between oral contraceptive agents, sodium intake, and the renin–angiotensin system in healthy young women. Hollenberg NK, et al. **Circ Res** 38(1):35–40, Jan 76

Active and passive immunization against angiotensin II in the rat and rabbit. Evidence for a normal regulation of the renin–angiotensin system. Oster P, et al. **Circ Res** 37(5):607–14, Nov 75

The role of the renin–angiotensin–aldosterone system in cardiovascular homeostasis in normal human subjects. Sancho J, et al. **Circulation** 53(3):400–5, Mar 76

Interrelationships of the renin angiotensin system and the sympathetic nervous system in the pathogenesis of hypertension in man–a hypothesis. Doyle AE, et al. **Clin Exp Pharmacol Physiol** Suppl 2:141–4, 1975

The place of renin in the mechanism of hypertension in chronic renal disease. Peart WS. **Clin Nephrol** 4(4):138–43, Oct 75 (56 ref.)

Overhydratation and renin in hypertensive patients with terminal renal failure: a hemodynamic study. Safar ME, et al. **Clin Nephrol** 4(5):183–8, Nov 75

Hemodynamics, compartments and the renin–aldosterone system in chronic heart failure. Hesse B, et al. **Eur J Cardiol** 3(2):107–15, Aug 75

Evaluation of the role of the renin–angiotensin (RAS) and adrenergic systems (AS) and of divalent cations in tubulo–glomerular feedback. p. 192. Schnermann J, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

The renin-angiotensin system. pp. 179–97. Peart WS.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (124 ref.)

Some biochemical consequences of diuretic therapy of low renin essential hypertension. pp. 131–49. Hollifield JW, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Circadian rhythm of plasma renin activity in primary hyperaldosteronism. Modlinger RS, et al. **J Clin Endocrinol Metab** 42(2):361–4, Feb 76

The renin–angiotensin–aldosterone system in congestive failure in conscious dogs. Watkins L Jr, et al. **J Clin Invest** 57(6):1606–17, Jun 76

Influence of vitamin B–6 on the renin—angiotensin system in rats. DeLorme CB, et al. **J Nutr** 105(9):1192–8, Sep 75

Proceedings: The failure of peripheral renin–angiotensin activation to induce sodium appetite. Fitzsimons JT, et al. **J Physiol (Lond)** 251(1):31P–33P, Sep 75

Clinical implications of renin in the hypertensive patient. Brunner HR, et al. **JAMA** 233(10):1091–3, 8 Sep 75

The classification and treatment of essential hypertension using the renin–sodium index for vasoconstriction–volume analysis. Laragh JH. **Johns Hopkins Med J** 137(4):184–94, Oct 75

Hypertension of chronic renal failure: role of sodium and the renal pressor system. del Greco F, et al. **Kidney Int [Suppl]** (2):176–83, Jan 75 (59 ref.)

The renin–angiotensin–aldosterone system in terminal renal failure. Weidmann P, et al. **Kidney Int [Suppl]** :S219–34, Sep 75 (142 ref.)

Renin and the kidney. Chonko AM, et al. **Nephron** 15(3–5):279–305, 1975 (135 ref.)

Studies in anephric humans: the renin–angiotensin system. Berman LB, et al. **Proc Clin Dial Transplant Forum** 1:93 1971

Plasma renin activity in hemodialysis patients: a longitudinal

study. Lundh H, et al. **Proc Clin Dial Transplant Forum** (4):49–53, 1974

Renin–aldosterone axis in renal transplant patients. Stouder D, et al. **Proc Clin Dial Transplant Forum** (4):54–65, 1974

Analysis of the renin–angiotensin system during fasting in adult male rabbits. Nocenti MR, et al.
Proc Soc Exp Biol Med 150(1):142–7, Oct 75

The renin–angiotensin system and drinking behavior. Fitzsimons JT. **Prog Brain Res** 42:215–33, 1975 (55 ref.)

[The renin–angiotensin system and its role in the regulation of arterial pressure and renal function] Gross F.
Actual Pharmacol (Paris) 27:117–44, 1974 (75 ref.) **(Fre)**

[Interactions between propranolol and the renin–angiotensin system] Peters L, et al. **J Urol Nephrol (Paris)** 82(4–5):373–4, Apr–May 76 **(Fre)**

[The influence of the renin–angiotensin system on autoregulation of renal blood flow and intrarenal hemodynamics (author's transl)] Brech WJ.
Klin Wochenschr 54(6):245–54, 15 Mar 76 (63 ref.) (Eng. Abstr.) **(Ger)**

[Renin–angiotensin system and hypertension] Werkö L.
Lakartidningen 72(36):3289–90, 3 Sep 75 **(Swe)**

SECRETION

Neural influence on canine renal prostaglandin secretion. Mancia G, et al. **Acta Physiol Lat Am** 24(5):555–62, 1974

Alteration in the feedback control of renin release by an angiotensin antagonist. Sen S, et al.
Acta Physiol Lat Am 24(5):529–34, 1974

Symposium on hypertension: Part II. Renin profiling and drug therapy, childhood hypertension, prorenin, the physiology of renin secretion. Introduction. Laragh JH. **Am J Cardiol** 37(4):635–6, 31 Mar 76

Effect of KCl infusion on renin secretory rates and aldosterone excretion in dogs. Flamenbaum W, et al.
Am J Physiol 229(2):370–5, Aug 75

Evidence for an intrarenal beta receptor in control of renin release. Johnson JA, et al. **Am J Physiol** 230(2):410–8, Feb 76

Sympathetic nervous system and renin release from submaxillary glands in vitro. Michelakis AM, et al.
Am J Physiol 231(2):551–4, Aug 76

Increase in renin release after sionaortic denervation and cervical vagotomy. Yun JC, et al. **Am J Physiol** 230(3):777–83, Mar 76

Inhibition of renin secretion in the isolated rat kidney by angiotensin I. Vandongen R, et al.
Aust J Exp Biol Med Sci 53(6):447–52, Dec 75

Diazoxide–induced renin release in diagnosis of remediable renovascular hypertension. Stokes GS, et al.
Aust NZ J Med 6(1):26–9, Feb 76

Effect of catecholamines on renin release in vitro. Desaulles E, et al. **Biomedicine** 22(5):433–9, Sep 75

Evidence for a physiological role of renal sympathetic nerves in adrenergic stimulation of renin release in the rat. Aoi W, et al. **Circ Res** 38(2) Feb 76

Renin release by rat kidney slices incubated in vitro. Role of sodium and of alpha– and beta–adrenergic receptors, and effect of vincristine. Capponi AM, et al. **Circ Res** 39(2):200–3, Aug 76

Control of renin secretion in the dog. Effects of furosemide on the vascular and macula densa receptors. Corsini WA, et al. **Circ Res** 37(4):464–70, Oct 75

The effects of altered sodium balance and adrenergic blockade on renin release induced in rats by angiotensin antagonism. Keeton TK, et al. **Circ Res** 38(6):531–9, Jun 76

Reflex suppression of renin secretion during distention of cardiopulmonary receptors in dogs. Zehr JE, et al.
Circ Res 38(4):232–9, Apr 76

The stimulation of renin secretion by non–vasocontrictor infusions of adrenaline and noradrenaline in the isolated rat kidney. Vandongen R, et al. **Clin Sci Mol Med** 49(6):609–12, Dec 75

Sodium chloride suppression of renin release in the unanesthetized rat. Campbell WB, et al. **Endocrinology** 97(6):1394–7, Dec 75

Effect of dopamine on renin secretion in the anesthetized dog. Imbs JL, et al. **Eur J Pharmacol** 33(1):151–7, Aug 75

Effects of apomorphine and of pimozide on renin secretion in the anaesthetized dog. Imbs JL, et al.
Eur J Pharmacol 38(1):175–8, Jul 76

The stimulation of renin secretion by diazoxide in the isolated rat kidney. Vandongen R, et al. **Eur J Pharmacol** 33(1):197–200, Aug 75

Dissociation between denervation natriuresis and renin production during furosemide saluresis. p. 145. Bencsáth P, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Effective renal medullary blood flow and renin secretion during the action of diuretics in anesthetized dogs. p. 168. Imbs JL, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Neural control of renin release. pp. 186–204. Richardson DW, et al.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Centrally acting antihypertensive agents and renin. Discussion. pp. 465–70.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Regulation of renin by the central nervous system. Discussion. pp. 275–80.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Role of the sympathetic nervous system and central alpha– and beta–adrenergic receptors in regulation of renin secretion. pp. 261–73. Ganong WF, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r. (47 ref.)

Effect of clonidine on renin release. pp. 435–41. Onesti G, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

New receptor mechanisms controlling renin release. pp. 427–33. Pettinger WA, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Suppression of renin release by alpha–methyldopa. pp. 419–25. Privitera PJ, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r. (23 ref.)

Correlation between renin–suppressive and hemodynamic effects of beta–adrenergic receptor blocking agents. pp. 451–63. Zanchetti A, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Renin release by central and reflex regulation. pp. 235–50. Zanchetti A, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Neurally mediated inhibition of renin release. pp. 221–34. Zehr JE.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Effect of beta adrenergic blockade on renin response to renal nerve stimulation. Taher MS, et al. **J Clin Invest** 57(2):459–65, Feb 76

Studies on renin release from isolated superfused glomeruli: effects of temperature, urea, ouabain and ethacrynic acid. Baumbach L, et al. **J Physiol (Lond)** 258(1):243–56, Jun 76

Sensitivity of renin secretion to volume depletion in the anaesthetized dog: comparison between urinary drainage and slow haemorrhage. Bertoncello I, et al.
J Physiol (Lond) 259(2):309–24, Jul 76

Haemodynamic responses and renin release during stimulation of afferent renal nerves in the cat. Calaresu FR, et al. **J Physiol (Lond)** 255(3):687–700, Mar 76

Hypertension and unilateral parenchymal renal disease. Evidence for abnormal vasoconstriction–volume interaction. Vaughan ED, et al. **JAMA** 233(11):1177–83, 15 Sep 75

Influence of ethacrynic acid on intrarenal renin release mechanisms. Eide I, et al. **Kidney Int** 8(3):158–65, Sep 75

Influence of autoregulation on renin release and sodium excretion. Kiil F. **Kidney Int [Suppl]** :S208–18, Sep 75

Effect of propranolol and prindolol on renin secretion in normal supine man. Vetter W, et al. **Klin Wochenschr** 53(15):709–11, 1 Aug 75

Renin/angiotensin system in hypertension after traumatic renal–artery thrombosis. von Knorring J, et al. **Lancet** 1(7966):934–6, 1 May 76

Hepatorenal syndrome: a disease mediated by the intrarenal action of renin. Ziegler TW. **Med Hypotheses** 2(1):15–21, Jan–Feb 76 (195 ref.)

Effect of prostaglandin synthesis on renal function and renin in the dog. Bolger PM, et al. **Nature** 259(5540):244–5, 22 Jan 76

Membrane potential of juxtaglomerular cells. Fishman MC. **Nature** 260(5551):542–4, 8 Apr 76

Inhibition of furosemide–induced renin release by vasoconstrictors. Lauterwein B, et al.
Naunyn Schmiedebergs Arch Pharmacol 290(2–3):307–14, 24 Sep 75

Renin secretion at the individual nephron level. Morgan T, et al. **Pfluegers Arch** 359(1–2):23–31, 29 Aug 75

Relationship between perfusion pressure and renin release in the isolated rat kidney. Zschiedrich H, et al.
Pfluegers Arch 360(3):255–66, 14 Nov 75

Mechanisms regulating renin release. Davis JO, et al.
Physiol Rev 56(1):1–56, Jan 76 (412 ref.)

Effect of intrarenal arterial infusion of magnesium on renin release in dogs. Churchill PC, et al.
Proc Soc Exp Biol Med 152(1):6–10, May 76

The relationship between sodium excretion and renin secretion by the perfused kidney. Humphreys MH, et al.
Proc Soc Exp Biol Med 150(3):728–34, Dec 75

Effect of Ca2+ binding by EGTA on renin release in the isolated perfused rabbit kidney. Viskoper RJ, et al.
Proc Soc Exp Biol Med 152(3):415–8, Jul 76

Arterial hypertension due to a renin–producing renal carcinoma. Nielsen HO. **Scand J Urol Nephrol** 9(3):293–6, 1975

Influence of sympathetic nerve activity on renal haemodynamics and release of renin. A preliminary communication. Lörelius LE, et al. **Ups J Med Sci** 81(2):109–11, 1976

Renin–angiotensin–aldosterone system in long–term renal transplant patients. Keogh B, et al. **Urology** 7(3):248–55, Mar 76

[Effect of furosemide and d–l–propranolol on glomerular filtration and renin secretin in rats] Bonvalet JP, et al.
J Urol Nephrol (Paris) 81(4–5):320–5, Apr–May 75 **(Fre)**

[Renin secreting kidney tumors] Werning C. **Hippokrates** 47(1):82–4, Feb 76 **(Ger)**

[The effect of clonidine on renin–release (author's transl)] Meurer KA, et al. **Klin Wochenschr** 54(6):261–5, 15 Mar 76 (Eng. Abstr.) **(Ger)**

[Stimulation of renin secretion in vitro by a factor in serum of rats (author's transl)] Ochs HG, et al.
Res Exp Med (Berl) 166(1):15–22, 26 Nov 75 (Eng. Abstr.) **(Ger)**

[Effect of chronic beta–receptor blockade in blood pressure and renin and aldosterone secretion in essential hypertension] Stumpe KO, et al.
Verh Dtsch Ges Inn Med 81:1038–41, 1975 **(Ger)**

[Episodical renin secretion during propranolol and pindolol administration in normal subjects] Vetter W, et al.
Verh Dtsch Ges Inn Med 81:1644–6, 1975 **(Ger)**

[Cyclic AMP and renin secretion following furosemide, beta–sympathicolysis and amitryptiline] Zehner J, et al.
Verh Dtsch Ges Inn Med 81:1033–5, 1975 **(Ger)**

[Neural influences on the renal secretion of renin: effects of phenoxybenzamine and propranolol] Stella A, et al.
Boll Soc Ital Cardiol 18(11):1178–83, 1973 **(Ita)**

[The significance of the renin–angiotensin system in renovascular hypertension] Gastaldi L, et al.
Minerva Med 66(79):4135–8, 21 Nov 75 **(Ita)**

[Studies of the relationship between renin secretion and the sympathetic nervous system responsiveness in man (author's transl)] Kunita H, et al. **Folia Endocrinol Jpn** 51(8):635–43, 20 Aug 75 (Eng. Abstr.) **(Jpn)**

[Studies on renin secretion—plasma renin releasing factor in hemorrhagic hypotension in bilaterally nephrectomized dogs] Shiratsuchi T. **Jpn J Nephrol** 17(5):315–24, May 75 (Eng. Abstr.) **(Jpn)**

[Influence of furosemide and propranolol (beta blocking agent) on plasmatic renin liberation in dogs] Andrade U, et al. **Rev Assoc Med Bras** 22(2):50–2, Feb 76 (Eng. Abstr.) **(Por)**

[Influence of lasix on the distal resorption of sodium and secretion of renin by the kidney] Markov KhM, et al.
Urol Nefrol (Mosk) (4):9–12, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of somatostatin on renin secretion in the isolated perfused rat kidney (author's transl)] Quesada T, et al.
Rev Esp Fisiol 32(2):107–10, Jun 76 (Eng. Abstr.) **(Spa)**

RENNIN

Partial characterization of a thermophilic actinomycete rennin. Laxer S, et al. **Experientia** (26):67–75, 1976

New methods for the determination of rennin activity with kappa–casein. Miyoshi M, et al.
J Nutr Sci Vitaminol (Tokyo) 21(4):309–12, 1975

ANALYSIS

Amino–acid sequence of the peptide segment liberated during activation of prochymosin (prorennin). Pedersen VB, et al. **Eur J Biochem** 55(1):95–103, 16 Jun 75

Immunochemical, chromatographic, and milk–clotting activity measurements for quantification of milk–clotting enzymes in bovine rennets. Rothe GA, et al.
J Dairy Res 43(1):85–95, Feb 76

ISOLATION & PURIFICATION

[Biospecific chromatography of chymosin] Stepanov VM, et al. **Biokhimiia** 41(2):294–303, Feb 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Peptide substrates for chymosin (rennin). Kinetic studies with peptides of different chain length including parts of the sequence 101–112 of bovine k–casein. Visser S, et al.
Biochim Biophys Acta 438(1):265–72, 7 Jun 76

Rennin and pepsin in stomachs of rats (Rattus norvegicus). Kotts C, et al. **J Dairy Sci** 59(8):1398–400, Aug 76

Synthetic peptides for chymosin and pepsin assays: pH effect and pepsin independent–determination in mixtures. Salesse R, et al. **J Dairy Sci** 59(7):1215–21, Jul 76

RENOGRAPHY see **RADIOISOTOPE RENOGRAPHY**

REOVIRUS INFECTIONS

An epidemic of diarrhoea in human neonates involving a reovirus–like agent and 'enteropathogenic' serotypes of Escherichia coli. Bishop RF, et al. **J Clin Pathol** 29(1):46–9, Jan 76

Diarrhea caused in gnotobiotic piglets by the reovirus–like agent of human infantile gastroenteritis. Torres–Medina A, et al. **J Infect Dis** 133(1):22–7, Jan 76

Human reovirus–like agent as the major pathogen associated with 'winter' gastroenteritis in hospitalized infants and young children. Kapikian AZ, et al. **N Engl J Med** 294(18):965–72, 29 Apr 76

Letter: Viral gastroenteritis in children. Holdaway MD, et al. **NZ Med J** 82(547):176, 10 Sep 75

COMPLICATIONS

[New concepts on the etiopathogenesis of diarrhea] Olarte J. **Bol Med Hosp Infant Mex** 33(3):595–606, May–Jun 76 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Viral etiology of gastroenteritis] **Vopr Virusol** (1):116–8, Jan–Feb 76 **(Rus)**

ENZYMOLOGY

Is lactase the receptor and uncoating enzyme for infantile enteritis (rota) viruses? Holmes IH, et al. **Lancet** 1(7974):1387–8, 26 Jun 76

IMMUNOLOGY

The seroepidemiology of reovirus, coxsackievirus infections among Panamanian Indian children. Reeves WC, et al. **J Infect Dis** 133(3):268–73, Mar 76

Letter: Immunofluorescence of human reovirus-like agent of infantile diarrhoea. Morishima T, et al. **Lancet** 02(7987):695–6, 25 Sep 76

MICROBIOLOGY

Letter: Electron microscopy in enteric virology. Hamvas JJ, et al. **Can Med Assoc J** 114(1):26, 10 Jan 76

Letter: Rheovirus and E. coli in infantile enteritis. Rowe B, et al. **J Clin Pathol** 29(8):761–2, Aug 76

Role of heat-labile toxigenic Escherichia coli and Reovirus-like agent in diarrhoea in Boston children. Echeverria P, et al. **Lancet** 2(7945):1113–6, 6 Dec 75

Infantile gastroenteritis: a clinical study of reovirus-like agent infection. Shepherd RW, et al. **Lancet** 2(7944):1082–4, 29 Nov 75

A reovirus-like agent (rotavirus) in gastroenteritis of children. Virus detection and serological studies. Orstavik I, et al. **Scand J Infect Dis** 8(1):1–5, 1976

OCCURRENCE

Presence of reovirus-like particles in liquid stools. Zissis G, et al. **Acta Gastroenterol Belg** 38(5–6):242–5, May–Jun 75

Serologic investigations on the presence of antibodies to Kemerovo virus in subjects of several counties in Romania. Drăgănescu N, et al. **Rev Roum Virol** 25(3):211–3, 1974

PATHOLOGY

Identity of cowdry type B inclusions and nuclear bodies: observations in reovirus encephalitis. Margolis G, et al. **Exp Mol Pathol** 23(2):228–44, Oct 75

TRANSMISSION

Letter: Child–mother transmission of rotavirus. Zissis G, et al. **Lancet** 1(7950):96, 10 Jan 76

VETERINARY

Electron-microscope studies on the pathogenesis of infectious bursal disease after intrabursal application of the causal virus. Käufer I, et al. **Avian Dis** 20(3):483–95, Jul–Sep 76

Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. van der Heide L, et al. **Avian Dis** 19(4):683–8, Oct–Dec 75

The pathology of infectious pancreatic necrosis. I. The sequential histopathology of the naturally ocurring condition. McKnight IJ, et al. **Br Vet J** 132(1):76–85, Jan–Feb 76

Infectious pancreatic necrosis (IPN) virus carriers and antibody production in a population of rainbow trout (Salmo gairdneri). Yamamoto T. **Can J Microbiol** 21(9):1343–7, Sep 75

Immunodeficiency in the chicken. IV. An immunological study of infectious bursal disease. Ivanyi J, et al. **Clin Exp Immunol** 23(1):154–65, Jan 76

Infectious bursal disease vaccine: some remarks on production and control. Cessi D, et al. **Dev Biol Stand** 33:340–2, 1976

The epizootiology of infectious bursal disease and prevention of it by immunization. Edgar SA, et al. **Dev Biol Stand** 33:349–56, 1976

Standard requirements for vaccines against infectious bursal disease. Thornton DH. **Dev Biol Stand** 33:343–8, 1976

Comparative tests on safety and potency of IBA vaccines. Vielitz E, et al. **Dev Biol Stand** 33:332–9, 1976

Reovirus type 3 infection of laboratory mice in India. Rai A, et al. **Indian J Med Res** 63(3):487–93, Mar 75

Comparison of vaccines against infectious bursal disease. Thornton DH, et al. **J Comp Pathol** 85(4):597–610, Oct 75

Viral calf enteritis. Mebus CA. **J Dairy Sci** 59(6):1175–8, Jun 76

Isolation and properties of reovirus from cattle in an outbreak of acute respiratory disease. Kurogi H, et al. **Natl Inst Anim Health Q (Tokyo)** 16(2):39–48, Summer 76

Gnotobiotic piglets experimentally infected with neonatal calf diarrhoea reovirus-like agent (Rotavirus). Hall GA, et al. **Vet Pathol** 13(3):197–210, 1976

Letter: Quantitation of antibodies to infectious bursal disease. Cullen GA, et al. **Vet Rec** 97(16):315, 18 Oct 75

Comparison of methods for diagnosis of rotavirus infection of calves. McNulty MS, et al. **Vet Rec** 98(23):463–4, 5 Jun 76

An outbreak of infectious bursal disease (IBD) of chickens in Nigeria. Onunkwo O. **Vet Rec** 97(22):433, 29 Nov 75

REOVIRUS TYPE 3 see under **REOVIRUSES**

REOVIRUSES

Variable response of normal and transformed mouse cells to interferon inducers. Treagan L, et al. **Acta Virol (Praha)** 20(1):83–5, Feb 76

Reovirus-like calf enteritis. Mebus CA. **Am J Dig Dis** 21(7):592–8, Jul 76 (40 ref.)

Letter: Demonstration of reovirus-like particles in intestinal contents of piglets with diarrhoea. Rodger SM, et al. **Aust Vet J** 51(11):536, Nov 75

Role of the bursa of Fabricius in the pathogenicity of inclusion body hepatitis and infectious bursal disease viruses. Fadly AM, et al. **Avian Dis** 20(3):467–77, Jul–Sep 76

Effect of infectious bursal agent on the response of chickens to Newcastle disease and Marek's disease vaccination. Giambrone JJ, et al. **Avian Dis** 20(3):534–44, Jul–Sep 76

Electron-microscope studies on the pathogenesis of infectious bursal disease after intrabursal application of the causal virus. Käufer I, et al. **Avian Dis** 20(3):483–95, Jul–Sep 76

Antigenic and morphologic comparisons of Ibaraki and bluetongue viruses. Campbell CH, et al. **Can J Microbiol** 21(12):2098–102, Dec 75

Immunodeficiency in the chicken. IV. An immunological study of infectious bursal disease. Ivanyi J, et al. **Clin Exp Immunol** 23(1):154–65, Jan 76

The epizootiology of infectious bursal disease and prevention of it by immunization. Edgar SA, et al. **Dev Biol Stand** 33:349–56, 1976

Identity of cowdry type B inclusions and nuclear bodies: observations in reovirus encephalitis. Margolis G, et al. **Exp Mol Pathol** 23(2):228–44, Oct 75

Cytopathological and cytochemical studies on respiratory viruses in tissue cultured cells. II. Infection with REO virus. Dey TK. **Indian J Pathol Microbiol** 18(3):182, Jul 75

Contributions to the ecology of Colorado tick fever virus. 2. Population dynamics and host utilization of immature stages of the Rocky Mountain wood tick, Dermacentor andersoni. Sonenshine DE, et al. **J Med Entomol** 12(6):651–6, 20 Feb 76

Structural and growth characteristics of infectious bursal disease virus. Nick H, et al. **J Virol** 18(1):227–34, Apr 76

Editorial: Recent advances in aetiology of enteritis in children. **Med J Aust** 1(4):75–6, 24 Jan 76

Rotaviruses and acute gastroenteritis of infants and children. Albrey MB, et al. **Med J Aust** 1(4):82–5, 24 Jan 76

New virus associated with diarrhoea in neonates. Cameron DJ, et al. **Med J Aust** 1(4):85–6, 24 Jan 76

Serologic investigations on the presence of antibodies to Kemerovo virus in subjects of several counties in Romania. Drăgănescu N, et al. **Rev Roum Virol** 25(3):211–3, 1974

An outbreak of infectious bursal disease (IBD) of chickens in Nigeria. Onunkwo O. **Vet Rec** 97(22):433, 29 Nov 75

[A virus of the kemerovo group isolated from Icodes ricinus in the călimani mountains of rumania] Duca M, et al. **Rev Roum Virol** 25(4):367–8, 1974 **(Fre)**

ANALYSIS

Reovirus-specific polypeptides: analysis using discontinuous gel electrophoresis. Cross RK, et al. **J Virol** 19(1):162–73, Jul 76

Temperature-sensitive mutants of reovirus type 3: evidence for aberrant mu 1 and mu 2 polypeptide species. Cross RK, et al. **J Virol** 19(1):174–9, Jul 76

m7G5'ppp5'GmptcpUp at the 5' terminus of reovirus messenger RNA. Faust M, et al. **Nucleic Acids Res** 2(8):1329–43, 8 AUG 75

Reovirus-coded polypeptides in infected cells: isolation of two native monomeric polypeptides with affinity for single-stranded and double-stranded RNA, respectively. Huismans H, et al. **Virology** 70(2):411–24, Apr 76

Evidence for a glycoprotein in reovirus. Krystal G, et al. **Virology** 72(2):308–21, 15 Jul 76

Polypeptide components of wound tumor virus. Reddy DV, et al. **Virology** 70(2):274–82, Apr 76

DRUG EFFECTS

Homidium (ethidium) bromide inhibition of avian reovirus replication. Simmons DG, et al. **Am J Vet Res** 37(1):69–73, Jan 76

ENZYMOLOGY

Characterization of transcriptase and replicase particles isolated from reovirus-infected cells. Morgan EM, et al. **Virology** 68(2):455–66, Dec 75

GROWTH & DEVELOPMENT

Structural and growth characteristics of two avian reoviruses. Nick H, et al. **Arch Virol** 48(3):261–9, 1975

Studies on the antiviral action of interferons. pp. 379–86. Lebleu B, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Studies on infectious pancreatic necrosis virus interactions with RTG-2 and FHM cells: selection of a variant virus-type in FHM cells. Scherrer R, et al. **J Gen Virol** 28(1):9–20, Jul 75

Transmission of human rotaviruses to gnotobiotic piglets. Bridger JC, et al. **J Med Microbiol** 8(4):565–9, Nov 75

Complementation between temperature-sensitive and deletion mutants of reovirus. Spandidos DA, et al. **J Virol** 16(6):1444–52, Dec 75

Recombination between temperature-sensitive and deletion mutants of reovirus. Spandidos DA, et al. **J Virol** 18(1):117–23, Apr 76

Infectious center assay for complementation and recombination between mutant of reovirus. Spandidos DA, et al. **J Virol** 18(3):1151–4, Jun 76

Persistent reovirus infection of CHO cells resulting in virus resistance. Taber R, et al. **J Virol** 17(2):513–24, Feb 76

Studies on reovirus infection in canine cells by the fluorescent antibody technique. Murakami T, et al. **Jpn J Vet Sci** 37(2):179–86, Apr 75

Letter: Rotavirus growth in bovine monolayers. Albrey MB, et al. **Lancet** 1(7962):753, 3 Apr 76

Letter: Probable in-vitro cultivation of human reovirus-like agent of infantile diarroea. Wyatt RG, et al. **Lancet** 1(7950):98–9, 10 Jan 76

Reovirus morphogenesis: characterization of subviral particles in infected cells. Zweerink HJ, et al. **Virology** 73(2):442–53, Sep 76

[Infectious pancreatic necrosis virus: a study of the influence of temperature and host-cell on virus replication and virus-induced interferon synthesis (author's transl)] Scherrer R, et al. **Ann Microbiol (Paris)** 125(4):455–67, May–Jun 74 (Eng. Abstr.) **(Fre)**

[Cultivation of reovirus in human embryonic organ cultures] Trofimov NM, et al. **Vopr Virusol** (2):147–51, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunization of adult hens against infectious bursal disease virus. Hitchner SB. **Avian Dis** 20(3):611–3, Jul–Sep 76

The roles of the infectious bursal agent and several avian adenoviruses in the hemorrhagic–aplastic–anemia syndrome and gangrenous dermatitis. Rosenberger JK, et al. **Avian Dis** 19(4):717–29, Oct–Dec 75

Infectious bursal disease vaccine: some remarks on production and control. Cessi D, et al. **Dev Biol Stand** 33:340–2, 1976

Immune response to orally administered calf reovirus-like agent and coronavirus vaccine. Mebus CA, et al. **Dev Biol Stand** 33:396–403, 1976

Standard requirements for vaccines against infectious bursal disease. Thornton DH. **Dev Biol Stand** 33:343–8, 1976

Comparative tests on safety and potency of IBA vaccines. Vielitz E, et al. **Dev Biol Stand** 33:332–9, 1976

Plaque neutralization test reactors to bluetongue and EHD viruses in the southeastern U.S.A. pp. 401–11. Thomas FC, et al.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Modified hemolytic plaque technique for the detection of bluetongue virus antibody-forming cells. Oellermann RA, et al. **Infect Immun** 13(5):1321–4, May 76

Comparison of vaccines against infectious bursal disease. Thornton DH, et al. **J Comp Pathol** 85(4):597–610, Oct 75

Letter: Mercaptoethanol-sensitive antibody to reovirus-like agents in acute epidemic gastroenteritis. Konno T, et al. **Lancet** 2(7948):1312, 27 Dec 75

Letter: Immunofluorescence of human reovirus-like agent of infantile diarrhoea. Morishima T, et al. **Lancet** 02(7987):695–6, 25 Sep 76

A practitioner's experience with experimental reo–coronavirus calf diarrhea vaccine. Blackmer PE. **Vet Med Small Anim Clin** 71(3):351–4, Mar 76

Response of the bovine fetus to reovirus. Conner GH, et al. **Vet Med Small Anim Clin** 70(12):1463–4, Dec 75

Letter: Quantitation of antibodies to infectious bursal disease. Cullen GA, et al. **Vet Rec** 97(16):315, 18 Oct 75

Letter: AHS vaccine. Dvies FG. **Vet Rec** 98(2):36, 10 Jan 76

[Infectious pancreatic necrosis virus: acquired susceptibility to trout serum neutralizing factor after repeated passage in cell culture] Dorson M, et al. **C R Acad Sci [D] (Paris)** 281(19):1435–8, 10 Nov 75 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Occurrence of reo–like calf viruses in young children with acute gastroenteritis. Diagnoses established by electron microscopy and complement fixation, using the reo–like virus as antigen. Tufvesson B, et al. **Acta Pathol Microbiol Scand [B]** 84(1):22–8, Feb 76

Immunoelectroosmophoresis for detection of reo–like virus: methodology and comparison with electron microscopy. Tufvesson B, et al. **Acta Pathol Microbiol Scand [B]** 84(4):225–8, Aug 76

Letter: Isolation of reoviruses associated with diseases of chickens in Victoria. Bagust TJ, et al. **Aust Vet J** 51(8):406–7, Aug 75

The comparative sensitivity of sheep and chicken embryos to bluetongue virus and observations on viraemia in experimentally infected sheep. Goldsmit L, et al. **Aust Vet J** 51(4):190–6, Apr 75

Isolation of adenoviruses and reoviruses from avian species other than domestic fowl. McFerran JB, et al. **Avian Dis** 20(3):519–24, Jul–Sep 76

Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus-infected broiler breeders. van der Heide L, et al. **Avian Dis** 19(4):683–8, Oct–Dec 75

Neonatal calf diarrhoea: identification of a reovirus-like (rotavirus) agent in faeces by immunofluorescence and immune electron microscopy. Bridger JC, et al. **Br Vet J** 131(5):528–35, Sep–Oct 75

Infectious pancreatic necrosis (IPN) virus carriers and antibody production in a population of rainbow trout (Salmo gairdneri). Yamamoto T. **Can J Microbiol** 21(9):1343–7, Sep 75

Virus association with wastewater solids. Cliver DO. **Environ Lett** 10(3):215–23, 1975

Reovirus type 3 infection of laboratory mice in India. Rai A, et al. **Indian J Med Res** 63(3):487–93, Mar 75

Biological properties of reovirus type 3 isolated from laboratory mice. Rai A, et al. **Indian J Med Res** 63(3):494–7, Mar 75

Design and construction of an apparatus for the growth of micro cell cultures on standard glass microscope slides and its application for screening large numbers of sera by the indirect fluorescent antibody technique. Lawman MJ, et al. **J Clin Microbiol** 2(3):153–6, Sep 75

Detection of neonatal calf diarrhea virus, infant reovirus-like diarrhea virus, and a coronavirus using the fluorescent virus precipitin test. Peterson MW, et al. **J Clin Microbiol** 3(3):376–7, Mar 76

Avian arboviruses of the Witless Bay seabird Sanctuary, Newfoundland, Canada. Main AJ, et al. **J Wildl Dis** 12(2):182–94, Apr 76

Acute enteritis associated with reovirus-like agents. Gomez-Barreto J, et al. **JAMA** 235(17):1857–60, 26 Apr 76

Letter: Isolation of human rotavirus using human embryonic gut monolayers. Purdham DR, et al. **Lancet** 2(7942):977, 15 Nov 75

Letter: 'Rotavirus' in gastroenteritis. White GB, et al. **Lancet** 2(7882):726, 21 Sep 74

Separation and properties of enterovirus and reovirus recovered from a fecal sample of calf with diarrhea. Kurogi H, et al. **Natl Inst Anim Health Q (Tokyo)** 16(2):49–58, Summer 76

Isolation and properties of reovirus from cattle in an outbreak of acute respiratory disease. Kurogi H, et al. **Natl Inst Anim Health Q (Tokyo)** 16(2):39–48, Summer 76

Isolation of a cytopathic calf rotavirus. McNulty MS, et al. **Res Vet Sci** 21(1):114–5, Jul 76

A rotavirus in lambs with diarrhoea. Snodgrass DR, et al. **Res Vet Sci** 20(1):113–4, Jan 76

Letter: Rotavirus as a cause of gastro-enteritis in Black South African infants. Schoub BD, et al. **S Afr Med J** 50(29):1124, 10 Jul 76

A reovirus-like agent (rotavirus) in gastroenteritis of children. Virus detection and serological studies. Orstavik I, et al. **Scand J Infect Dis** 8(1):1–5, 1976

[Infantile gastroenteritis: a new viral agent, the rotavirus] Genoud J. **Pediatrie** 30(4):432–4, Jun 75 (27 ref.) **(Fre)**

[Isolation of reoviruses from mink] Kokles R. **Arch Exp Veterinaermed** 29(5):781–8, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

The reovirus replicative cycle. Silverstein SC, et al. **Annu Rev Biochem** 45:375–408, 1976 (168 ref.)

Increased endonuclease activity in an extract from mouse Ehrlich ascites tumor cells which had been treated with a partially purified interferon preparation: dependence of double-stranded RNA; Brown GE, et al. **Biochem Biophys Res Commun** 69(1):114–22, 8 Mar 76

Ribosome binding to reovirus mRNA in protein synthesis requires 5' terminal 7-methylguanosine. Both GW, et al. **Cell** 6(2):185–95, Oct 75

Reovirus mRNA: transcription and translation. Shatkin AJ, et al. **Cell** 7(3):305–13, Mar 76

Modification at the 5'-terminus of messenger RNA strand. pp. 153–9. Miura K, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Mechanism of formation of reovirus mRNA 5'-terminal blocked and methylated sequence. m7GpppGmpC. Furuichi Y, et al. **J Biol Chem** 251(16):5043–53, 25 Aug 76

Characterization of ribosome-protected fragments from reovirus messenger RNA. Kozak M, et al. **J Biol Chem** 251(14):4259–66, 25 Jul 76

Synthesis of reovirus-specific polypeptides in cells pretreated with cycloheximide. Lau RY, et al. **J Virol** 16(3):470–8, Sep 75

Regulated transcription of the genomes of defective virions and temperature-sensitive mutants of reovirus. Spandidos DA, et al. **J Virol** 18(1):7–19, Apr 76

Regulation of macromolecular synthesis in reovirus-infected L-929 cells I. Effect of L-histidinol. Warrington RC, et al. **J Virol** 16(6):1503–11, Dec 75

Is lactase the receptor and uncoating enzyme for infantile enteritis (rota) viruses? Holmes IH, et al. **Lancet** 1(7974):1387–8, 26 Jun 76

Formation and characteristics of reovirus subviral particles in interferon-treated mouse L cells. Galster RL, et al. **Nucleic Acids Res** 3(3):581–98, Mar 76

Biophysical studies of reovirus type 3. III. A laser light-scattering study of the RNA transcriptase reaction. Bellamy AR, et al. **Virology** 70(1):28–36, Mar 76

The synthesis of A-rich RNA by temperature-sensitive mutants of reovirus. Johnson RB Jr, et al. **Virology** 73(1):173–80, Aug 76

[Study of viral specific RNA synthesis in FHM and RTG-2 cells infected with infectious pancreatic necrosis (IPN) virus (author's transl)] Alayse AM, et al. **Ann Microbiol (Paris)** 126(4):471–83, Dec 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Genome-sized RNA from reovirus particles. Kavenoff R, et al. **Proc Natl Acad Sci USA** 72(11):4317–21, Nov 75

Studies on the structure of reovirus cores: selective removal of polypeptide lambda 2. White CK, et al. **Virology** 70(1):171–80, Mar 76

REPRESSION

Case report: an asthmatic adolescent and his 'repressed cry' for his mother. Kaminski Z. **Br J Med Psychol** 48(2):185–8, Jun 75

Euphoria, elation and impunitiveness. Foulds GA, et al. **J Clin Psychol** 32(3):606–9, Jul 76

Relationship between the Death Anxiety Scale and repression. Handal PJ. **J Clin Psychol** 31(4):675–7, Oct 75

Repression as a diagrammatic model. Mednick RA. **Psychoanal Rev** 63(1):95–100, Spring 76

[Thomas Bernhard's 'events', or, the return of the repressed. A psychoanalytic interpretation] Schönau W. **Psyche (Stuttg)** 30(3):252–67, Mar 76 (Eng. Abstr.) **(Ger)**

REPRESSION-SENSITIZATION

Repression-sensitization and MMPI correlates of retrospective reports of parental child-rearing behaviors. Armentrout JA. **J Clin Psychol** 31(3):444–8, Jul 75

Appreciation of risqué cartoon humor in male and female repressors and sensitizers. Burns WJ, et al. **J Clin Psychol** 32(2):315–21, Apr 76

Perceived vulnerability to illness and the repression-sensitization dimension. Gayton WF, et al. **J Clin Psychol** 32(3):616–8, Jul 76

Repression-sensitization and response to the implicit cue requirements of a social situation. House WC. **J Clin Psychol** 31(3):505–9, Jul 75

Repression-sensitization and affect cognition: an examination of the two defensive modes purportedly measured by the R-S scale. Orlofsky JL. **J Clin Psychol** 32(3):599–603, Jul 76

An exploratory study of the interaction of cognitive complexity, dogmatism, and repression-sensitization among college students. Starbird DH, et al. **J Genet Psychol** 128(2):227–32, Jun 76

Self-image disparity, repression-sensitization, and extraversion-introversion: a unitary dimension? Bauer SR, et al. **J Pers Assess** 40(1):46–51, Feb 76

Cognitive consistency, repression-sensitization, and level of moral judgment: reactions of college students to the Watergate scandal. Garrett JB, et al. **J Soc Psychol** 98(First Half):69–76, Feb 76

Sex differences and relationship between repression-sensitization and self-disclosure. Oles HJ. **Psychol Rep** 37(3 Pt 1):920, Dec 75

Repression and sensitization as determinants of responses to a message designed to arouse thoughts of one's own death. Schulman KR. **Psychol Rep** 39(1):189–90, Aug 76

REPRESSION-SENSITIZATION SCALES see under **REPRESSION-SENSITIZATION**

REPRODUCTION

Physiology of sexual reproduction. I. A histochemical study of the embryo sac development in Zephyranthes rosea and Lagenaria vulgaris. Malik CP, et al. **Acta Histochem (Jena)** 53(2):244–80, 1975

Studies on the integument of cestodes. II. The nature of protein component in the integument of gravid proglottides of Taenia hydatigena. Muthukrishnan S. **Acta Histochem (Jena)** 53(2):175–81, 1975

Gross morphology of ovarian changes during the reproductive cycle of Indian lizards (Calotes versicolor and Hemidactylus flaviviridis). Varma SK, et al. **Acta Morphol Neerl Scand** 13(3):201–12, Nov 75

On fibrinolysis in reproduction. Liedholm P. **Acta Obstet Gynecol Scand [Suppl]** (41):1–47, 1975

The control of reproduction by a blood meal: the mosquito as a model for vector endocrinology. Lea AO. **Acta Trop (Basel)** 32(2):112–5, 1975

Physiological aspects of reproduction in nematodes. Anya AO. **Adv Parasitol** 14:267–351, 1976 (320 ref.)

Effects of a low-protein diet during pregnancy of the rhesus monkey I. Reproductive efficiency. Kohrs MB, et al. **Am J Clin Nutr** 29(2):136–45, Feb 76

Letter: The hypothalamus and reproduction. Katz M. **Am J Obstet Gynecol** 125(6):877–8, 15 JUl 76

Effect of photoperiod on reproductive activity and hair in mares. Kooistra LH, et al. **Am J Vet Res** 36(10):1413–9, Oct 75

Reproductive biology of the male leaf-nosed bat, Macrotus waterhousii in Southwestern United States. Krutzsch PH, et al. **Anat Rec** 184(4):611–35, Apr 76

Differential postclosion housing experiences and reproduction in Drosophila. Ellis LB, et al. **Anim Behav** 23(4):949–52, Nov 75

Effects of stimuli emanating from the nest on the reproductive cycle in the ring dove. I: pre-laying behaviour. White SJ. **Anim Behav** 23(4):854–68, Nov 75

Effects of stimuli emanating from the nest on the reproductive cycle in the ring dove. II: building during the pre-laying period. White SJ. **Anim Behav** 23(4):869–82, Nov 75

Effects of stimuli emanating from the nest on the reproductive cycle in the ring dove. III: building in the postlaying period and effects on the success of the cycle. White SJ. **Anim Behav** 23(4):883–8, Nov 75

The social effect of Huntington's chorea on reproductive effectiveness. Wallace DC. **Ann Hum Genet** 39(3):375–9, Jan 76

Reproduction of the normal sexual cycle and reproductive ability in castrated guinea pigs by implantation of the ovary by a new method. Palatyński A. **Ann Med Sect Pol Acad Sci** 20(3):185–200, 1975

Role of acetate metabolism in sporulation of Saccharomyces carlsbergensis. Görts CP. **Antonie van Leeuwenhoek** 41(3):265–71, 1975

Mating reaction in Saccharomyces cerevisiae. VII. Effect of proteolytic enzymes on sexual agglutinability and isolation of crude sex-specific substances responsible for sexual agglutination. Shimoda C, et al. **Antonie van Leeuwenhoek** 41(4):513–9, 1975

Mating reaction in Saccharomyces cerevisiae. VIII. Mating-type-specific substances responsible for sexual cell agglutination. Shimoda C, et al. **Antonie van Leeuwenhoek** 41(4):521–32, 1975

Mating reaction in Saccharomyces cerevisiae. IX. Regulation of sexual cell agglutinability of a type cells by a sex factor produced by alpha type cells. Shimoda C, et al. **Arch Microbiol** 108(1):27–33, 3 May 76

Letter: Breed differences in the reproductive function of young beef bulls in Central Queensland. Chenoweth PJ, et al. **Aust Vet J** 51(8):405–6, Aug 75

Effects of bodyweight and PMS administration on reproduction rate in Merino ewes. Hedges DA, et al. **Aust Vet J** 51(2):88–90, Feb 75

Social-aggressive behavior after various intervals of social isolation in bluegill sunfish (Lepomis macrochirus Rafinesque) in different states of reproductive readiness. Chiszar D, et al. **Behav Biol** 16(4):475–87, Apr 76

Environmental regulation of the annual reproductive season of Strongylocentrotus purpuratus (Stimpson). Cochran RC, et al. **Biol Bull** 148(3):393–401, Jun 75

Reproduction of the externally brooding sea anemone Epiactis prolifera Verrill, 1969. Dunn DF. **Biol Bull** 148(2):199–218, Apr 75

Gonadal development during the annual reproduction cycle of Comanthus japonica (Echinodermata: Crinoidea). Holland ND, et al. **Biol Bull** 148(2):219–242, Apr 75

A comparative study of the hard clam gonad developmental cycle. Keck RT, et al. **Biol Bull** 148(2):243–58, Apr 75

The reproductive physiology of the intertidal prosobranch Thais lamellosa (Gmelin). II. Seasonal changes in biochemical composition. Stickle WB. **Biol Bull** 148(3):448–60, Jun 75

Reproduction and longevity in the hamster and rat. Asdell SA, et al. **Biol Reprod** 14(4):478–80, May 76

Reproductive biology of PMSG-primed immature female rats. Nuti KM, et al. **Biol Reprod** 13(1):38–44, Aug 75

Photoperiodism and reproduction in golden hamsters: circadian organization and the termination of photorefractoriness. Stetson MH, et al. **Biol Reprod** 14(5):531–7, Jun 76

Oosorption in insects. Bell WJ, et al. **Biol Rev** 50(4):373–96, Nov 75 (142 ref.)

On some results for a bivariate branching process. Ghai GL, et al. **Biometrics** 31(3):761–3, Sep 75

Reproductive and endocrine function in patients with Hodgkin's disease: effects of oophoropexy and irradiation. Thomas PR, et al. **Br J Cancer** 33(2):226–31, Feb 76

The interplay of changes in society, reproductive habits, and obstetric practice in Scotland between 1922 and 1972. Baird D. **Br J Prev Soc Med** 29(3):135–46, Sep 75

Lactation and reproduction. Thomson AM, et al. **Bull WHO** 52(3):337–49, 1975

The reproductive season of Newfoundland caribou. Bergerud AT. **Can J Zool** 53(9):1213–21, Sep 75

Physiological maturation and reproductive behavior of female doves (Streptopelia risoria) held under long and short photoperiods. Liley NR. **Can J Zool** 54(3):343–54, Mar 76

Letter to the editor: Reproductive performance of beef cattle in northeastern Alberta. Janzen E. **Can Vet J** 17(2):58–9, Feb 76

Circannual reproductive rhythms in mammals related to photoperiod and pineal function: a review. Reiter RJ. **Chronobiologia** 1(4):365–95, Oct–Dec 74 (104 ref.)

The effect of structural aberrations of the chromosomes on reproductive fitness in man. II. Results. Jacobs PA, et al.

Clin Genet 8(3):169–78, Sep 75

The effect of structural aberrations of the chromosomes on reproductive fitness in man. I. Methodology. Morton NE, et al. **Clin Genet** 8(3):159–68, Sep 75

Scientific empiricism in the Middle Ages: Albertus Magnus on sexual anatomy and physiology. Shaw JR. **Clio Med** 10(1):53–64, Apr 75

Problems of reproduction and the public health. Stallworthy J. **Community Health (Bristol)** 7(4):184–94, Apr 76

Studies on the annual reproductive cycle of the female cobra, Naja naja. Seasonal variation in plasma inorganic ions. Lance V. **Comp Biochem Physiol [A]** 53(3):285–9, 1976

A comparison of glutamic-oxalacetate transaminase, lactate dehydrogenase, alpha-hydroxybutyrate dehydrogenase, and creatine phosphokinase activities in non-spawning, pre-spawning, and spawning pink salmon. Márquez ED. **Comp Biochem Physiol [B]** 54(1):121–3, 1976

A study of some properties of chromatin and spectrum of histones in the liver cells of spawning Oncorhynchus gorbusha (Walb.). Rasskazov VA, et al. **Comp Biochem Physiol [B]** 53(2):149–54, 1976

[The sexual life of the dog] Janiak MI. **Dtsch Tieraerztl Wochenschr** 82(12):499–503, 5 Dec 75

Studies on the role of the preoptic area in the control of reproductive function in the rat. Clemens JA, et al. **Endocrinology** 99(3):728–35, Sep 76

Nematode ageing. Automatic maintenance of age synchrony without inhibitors. Tilby MJ, et al. **Exp Gerontol** 10(3–4):213–23, Aug 75

Histochemical studies on mucosubstances in the prostate gland of the pulmonate snail Semperula maculata in the annual breeding-aestivation cycle. Nanaware SG, et al. **Folia Histochem Cytochem (Krakow)** 14(1):19–38, 1976

Safety evaluation of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on pure n-paraffins. de Groot AP, et al. **Food Cosmet Toxicol** 13(6):619–27, Dec 75

The role of the lateral lobes in the control of growth and reproduction in the hermaphrodite freshwater snail Lymnaea stagnalis. Geraerts WP. **Gen Comp Endocrinol** 29(1):97–108, May 76

Seasonal cycle and physiological correlates of pinealocyte nuclear and nucleolar diameters in the bats, Myotis lucifugus and Myotis sodalis. Quay WB. **Gen Comp Endocrinol** 29(3):369–75, Jul 76

Changes in the testicular metabolism of dehydroepiandrosterone during the annual reproductive cycle of the hedgehog (Erinaceus europaeus L). Eräväinen T, et al. **Gen Comp Endocrinol** 29(3):328–32, Jul 76

Genes affecting productivity in natural populations of Drosophila melanogaster. Watanabe TK, et al. **Genetics** 80(4):807–10, Aug 75

A comparison of the effects of altered thyroid and parathyroid function on reproduction in the rat. Hendrich CE, et al. **Horm Metab Res** 8(3):220–6, May 76

Thyroxine-induced hyperthyroidism upon the reproductive performance of female rats. Lu MH, et al. **Horm Res** 6(2):85–94, 1975

Neuroendocrinology of reproduction. pp. 8–27. Greep RO.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974. (124 ref.)

Relation of the neuroendocrine system to loss to reproductive functions in aging rats. pp. 246–58. Meites J, et al.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

Reproductive endocrinology in 1984. pp. 833–40. Diczfalusy E.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Neuroendocrinological aspects of human reproduction. pp. 777–809. Lunenfeld B, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973. (97 ref.)

Anti-LH-RH sera in the investigation of reproduction. pp. 121–36. Jeffcoate SL, et al.
In: Edwards RG, Johnson MH, ed. Physiological effects of immunity against reproductive hormones. London, Cambridge Univ Press, 1976. W3 C162G v.3 1974.

The effect of immunisation against gonadotrophins on the testis and male reproductive tract. pp. 167–86. Setchell BP, et al.
In: Edwards RG, Johnson MH, ed. Physiological effects of immunity against reproductive hormones. London, Cambridge Univ Press, 1976. W3 C162G v.3 1974.

In vitro adrenal studies in relation to cyclic reproductive success. pp. 591–603. Andrews RV, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972. (49 ref.)

The applications of moments and cluster analysis to reproductive cycles. pp. 83–95. Hanson AR, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Synchronizers of reproductive function in men and women. pp. 497–500. Kaiser IH.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Some conceptual and methodological problems in longitudinal studies on human reproduction. pp. 161–70. Vollman RF.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Modeling periodicities in reproductive, adrenocortical, and metabolic systems. pp. 133–42. Yates FE.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972. (52 ref.)

Reproductive senescence. pp. 1–19. Hafez ES.
In: Hafez ES, ed. Aging and reproductive physiology. Ann Arbor, Ann Arbor Science, 1976. Wi PE871AP v.2 1976. (40 ref.)

Overview of diagnostic techniques in reproductive endocrinology. pp. 107–30. Skelley DS.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974. (108 ref.)

The genetics of haploid-diploid populations with vegetative and sexual reproduction. pp. 219–32. Wöhrmann K, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Structural and functional investigations of a sexually dimorphic part of the rat preoptic area. pp. 17–25. Field PM, et al.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 165r 1973.

Draconian images and the new biology. pp. 176–218.
In: Maxmen JS, ed. The post-physician era. New York, Wiley, 1976. WB 50.1 M464p 1976.

The psychopathology of clonal man. pp. 387–95. Eisenberg L.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

Law and cloning – the state as regulator of gene function. pp. 377–86. Lederberg S.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

Use of antisera to gonadotrophins in reproduction research. pp. 55–82. Eshkol A, et al.
In: Nieschlag E, ed. Immunization with hormones in reproduction research. Amsterdam, North-Holland, 1975. (91 ref.)

Immunization against gonadotropins in dogs. pp. 199–216. Faulkner LC, et al.
In: Nieschlag E, ed. Immunization with hormones in reproduction research. Amsterdam, North-Holland, 1975.

Effects of active immunization with steroids on endocrine and reproductive functions in male animals. pp. 155–72. Nieschlag E, et al.
In: Nieschlag E, ed. Immunization with hormones in reproduction research. Amsterdam, North-Holland, 1975.

Prolactin and human reproduction. pp. 167–88. Robyn C, et al.
In: Pasteels JL, et al., ed. Human prolactin. Amsterdam, Excerpta Medica, 1973. W3 EX89 n.308 1973. (93 ref.)

Photoperiodicity and the neuroendocrine control of reproduction in birds. pp. 199–224. Follett BK, et al.
In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975. (68 ref.)

The dual role of daylength in controlling canary reproduction. pp. 245–59. Hinde RA, et al.
In: Peaker M, ed. Avian physiology. Londou, Academic Press, 1975. W1 ZO608 no.35 1975.

Environmental control of reproduction. pp. 177–97. Lofts B.
In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975. (99 ref.)

Ecological adaptation in avian reproductive physiology. pp. 149–75. Murton RK.
In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975.

Calcium and avian reproduction. pp. 307–37. Simkiss K.
In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975. (86 ref.)

Disturbance in female reproductive function in neonatally thymectomized mice. pp 171–80. Nishizuka Y, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

Introductory overview of the participation of proteinases and their regulators in mammalian reproductive physiology. pp. 677–81. Williams-Ashman HG.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.

Large scale production of nude mice. pp. 203–8. Festing MF, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Reproductive behavior of athymic nude (nu/nu-BALB/c/A/BOM Cr) mice in a variety of environments. pp. 189–202. Poiley SM, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

27-hour-day effects on reproduction and circadian activity period in rats. pp. 466–71. Brown FM.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Avian reproductive system: daily variations in responses to hormones. pp. 636–40. MacGregor R 3d.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

General discussion. pp. 537–67.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

A perception study among rural school children regarding conception and family planning. Bali P, et al. **Indian Pediatr** 12(7):575–9, Jul 75

Reproductive efficiency as a social indicator. Muller C, et al. **Int J Health Serv** 6(3):455–73, 1976

Studies on the reproductive physiology of nematodes: the phenomenon of sexual attractions and the origin of the attractants in Aspiculuris tetraptera. Anya AO. **Int J Parasitol** 6(2):173–7, Apr 76

The psychoanalytic theory of fertility. Wyatt F. **Int J Psychoanal Psychother** 4:568–85, 1975

Reproductive endocrinology of the normal male. Bartuska DG. **J Am Med Wom Assoc** 30(8):334–5, 337–9, Aug 75

Evaluation of reproductive status of nonpregnant mares. Greenhoff GR, et al. **J Am Vet Med Assoc** 167(6):449–58, 15 Sep 75 (32 ref.)

Effect of supplemental choline on reproductive performance of sows: a cooperative regional study. **J Anim Sci** 42(5):1211–6, May 76

Influence of dietary energy and protein on reproductive performance of Finn-cross ewe lambs. Christenson RK, et al. **J Anim Sci** 42(2):448–54, Feb 76

Influence of prepartum nutrition on the reproductive performance of beef females and the performance of their progeny. Corah LR, et al. **J Anim Sci** 41(3):819–24, Sep 75

Comparison of dietary zinc levels for reproducing sows and the effect of dietary zinc and calcium on the subsequent performance of their progeny. Hedges JD, et al. **J Anim Sci** 43(2):453–63, Aug 76

Effect of polyunsaturated fatty acids and vitamin E level of the sow gestation diet on reproductive performance and on level of alpha tocopherol in colostrum, milk and dam and progeny blood serum. Malm A, et al. **J Anim Sci** 42(2):393–9, Feb 76

Effects of postnatal litter size on reproduction of female mice. Nelson RE, et al. **J Anim Sci** 42(4):824–30, Apr 76

Effects of postnatal maternal environment on reproduction of gilts. Nelson RE, et al. **J Anim Sci** 43(1):71–7, Jul 76

Initiation of reproductive function and subsequent activity of the corpora lutea in prepuberal gilts. Rampacek GB, et al. **J Anim Sci** 42(4):881–7, Apr 76

Influence of elevated ambient temperature on reproductive performance of boars. Wettemann RP, et al. **J Anim Sci** 42(3):664–9, Mar 76

Lysine requirement for reproduction in swine. Woerman RL, et al. **J Anim Sci** 42(1):114–20, Jan 76

Reproductive performance of swine bred to produce purebred and two-breed cross litters. Young LD, et al. **J Anim Sci** 42(5):1133–49, May 76

Cephalic mechanism for social control of fissioning in planarians: III. Central nervous system centers of facilitation and inhibition. Best JB, et al. **J Comp Physiol Psychol** 89(8):923–32, Oct 75

Effects of silage diets on health, reproduction, and blood metabolites of dairy cattle. Belyea RL, et al. **J Dairy Sci** 58(9):1336–46, Sep 75

Concentrations and activities of prostaglandins of the F series in bovine tissue, blood, and milk. Hansel W, et al. **J Dairy Sci** 59(7):1353–65, Jul 76 (58 ref.)

Incidence of clinical mastitis in a herd of Jersey cattle. Miller RH, et al. **J Dairy Sci** 59(1):113–9, Jan 76

The role of the copulatory plug in reproduction of the guinea pig. Martan J, et al. **J Exp Zool** 196(1):79–84, Apr 76

Effects of interactions with older males on behavior and reproductive development in first-year male red-winged blackbirds Agelaius phoeniceus. Wiley RH, et al. **J Exp Zool** 196(2):231–42, May 76

Calendar life-span versus fission life-span of Paramecium aurelia. Smith-Sonneborn J, et al. **J Gerontol** 31(1):2–7, Jan 76

Reproduction in captive vervet and Sykes' monkeys. Bramblett CA, et al. **J Mammal** 56(4):940–6, Nov 75

Response to nest boxes and reproduction by Glaucomys volans in northern Louisiana. Goertz JW, et al. **J Mammal** 56(4):933–9, Nov 75

Reproductive activity in nine- and ten-month-old wolves. Medjo DC, et al. **J Mammal** 57(2):406–8, May 76

Reproduction in Didelphis marsupialis and D. albiventris in Colombia. Tyndale-Biscoe CH, et al. **J Mammal** 57(2):249–65, May 76

The reproductive potential of the common cotton-eared marmoset (Callithrix jacchus) in captivity. Phillips IR. **J Med Primatol** 5(1):49–55, 1976

The pineal gland of the mole (Talpa europaea L.). II. Ultrastructural variations observed in the pinealocytes during different parts of the sexual cycle. Pevet P, et al. **J Neural Transm** 36(3–4):227–48, 1975

Nitrogen metabolism and reproductive response of gravid swine fed an arginine-free diet during the last 84 days of gestation. Easter RA, et al. **J Nutr** 106(5):636–41, May 76

Proceedings: Aspects of reproductive physiology of the vole. Charlton HM, et al. **J Physiol (Lond)** 252(2):11P–12P, Nov 75

Environmental factors and reproduction in the female hopping mouse, Notomys alexis. Breed WG. **J Reprod Fertil** 45(2):273–81, Nov 75

Proceedings: Preliminary observations on reproduction and embryonic development in the marsupial devil, Sarcophilus harrisii. Hughes RL. **J Reprod Fertil** 46(2):504–5, Mar 76

The function of the growing follicle. Lunenfeld B, et al.

J Reprod Fertil 45(3):567–74, Dec 75

The effects of nutrition on the reproductive performance of Finn x Dorset ewes. II. Post-partum ovarian activity, conception and the plasma concentration of progesterone and LH. Shevah Y, et al. **J Reprod Fertil** 45(2):289–99, Nov 75

The pattern of reproduction in female Columbian black-tailed deer, Odocoileus hemionus columbianus. Thomas DC, et al. **J Reprod Fertil** 44(2):261–72, Aug 75

Reproduction in rats and mice isoimmunized with homogenates of ovary or testis with epididymis, or sperm suspensions. Tsunoda Y, et al. **J Reprod Fertil** 46(2):379–82, Mar 76

Some aspects of the reproductive endocrinology of the stallion and cryptorchid. Cox JE, et al.
J Reprod Fertil [Suppl] (23):75–9, Oct 75

Observations on reproductive performance in the yearling mare. Mitchell D, et al. **J Reprod Fertil [Suppl]** (23):531–6, Oct 75

The occurrence of early embryonic death in the mare in relation to natural service and artificial insemination with fresh or deep-frozen semen. Moberg R.
J Reprod Fertil [Suppl] (23):537–9, Oct 75

Dominance, aggression and reproduction in primate societies. Bernstein IS. **J Theor Biol** 60(2):459–72, 7 Aug 76

Gamete dimorphism and the cost of sexual reproduction: are they separate phenomena? Manning JT. **J Theor Biol** 55(2):393–5, Dec 75

Sexual reproduction and parent–offspring conflict in the RNA 'Tumour' virus/host relationship: implications for vertebrate oncogene evolution. Manning JT.
J Theor Biol 55(2):397–413, Dec 75

A model for the evolution of self–fertilization and vegetative reproduction. Nagylaki T. **J Theor Biol** 58(1):55–8, 7 May 76

The evolution of sexual reproduction: a model which assumes individual selection. Treisman M. **J Theor Biol** 60(2):421–31, 7 Aug 76

Reproductive endocrinology of female chimpanzees: a suitable model of humans. Hobson W, et al.
J Toxicol Environ Health 1(4):657–68, Mar 76

Studies on the role of neurosecretion in the induction of sexuality in a planarian agamic strain. Grasso M, et al.
J Ultrastruct Res 52(3):404–8, Sep 75

Reproductive biology and postnatal development of the neotropical climbing rat, Tylomys. Helm JD 3d, et al.
Lab Anim Sci 25(6):741–7, Dec 75

Comparative primate reproductive endocrinology: advancements important in domestic breeding programs. Hodgen GD. **Lab Anim Sci** 25(6):793–7, Dec 75 (40 ref.)

Reproductive, gestational, and newborn physiology of the chimpanzee. Keeling ME, et al. **Lab Anim Sci** 25(6):822–8, Dec 75

Breeding and reproduction of fifteen wild rodents maintained as laboratory colonies. Morrison P, et al. **Lab Anim Sci** 26(2 Pt 1):237–43, Apr 76

A review of reproductive patterns in new world monkeys. Wolf RH, et al. **Lab Anim Sci** 25(6):814–21, Dec 75

Reproduction of wild–caught and laboratory–born marmoset species used in biomedical research (Saguinus sp, Callithrix jacchus). Wolfe LG, et al. **Lab Anim Sci** 25(6):802–13, Dec 75

The right to reproduce. Noon C. **Lancet** 2(7936):655, 4 Oct 75

Effects of childhood leukemia and chemotherapy on puberty and reproductive function in girls. Siris ES, et al.
N Engl J Med 294(21):1143–6, 20 May 76

Effects of artificial selection on reproductive fitness in Drosophila. Pyle DW. **Nature** 263(5575):317–9, 23 Sep 76

The hypothalamus as a regulator of reproductive function. Homburg R, et al. **Obstet Gynecol Surv** 31(6):455–71, Jun 76 (144 ref.)

Reproductive response to intermittent light regimens in Coturnix coturnix japonica. Bacon WL, et al. **Poult Sci** 54(6):1918–26, Nov 75

Inefficacy of carnitine as a substitute for choline for normal reproduction in Japanese quail. Chang CH, et al.
Poult Sci 54(5):1713–20, Sep 75

Reproductive performance of caged Beltsville Small White turkeys as affected by choline, bird density and forced molting. Ferguson TM, et al. **Poult Sci** 54(5):1679–84, Sep 75

Reproductive response of geese to a cool environment. Gillette DD. **Poult Sci** 55(2):824–6, Mar 76

The effect of protein and dietary energy levels and housing regime on production and reproduction parameters of turkey hens. Jones JE, et al. **Poult Sci** 55(2):549–53, Mar 76

The effect of accidental pre–lighting of turkey hens on subsequent reproduction. Nestor KE. **Poult Sci** 55(3):847–51, May 76

A study of certain environmental factors and mineral chelation on the reproductive performance of young and yearling turkey hens. Thomason DM, et al. **Poult Sci** 55(4):1343–55, Jul 76

Analysis of incipient reproductive isolation within a species of Drosophila. Dobzhansky T. **Proc Natl Acad Sci USA** 72(9):3638–41, Sep 75

A chromosomal gene required for killer plasmid expression, mating, and spore maturation in Saccharomyces cerevisiae. Leibowitz MJ, et al. **Proc Natl Acad Sci USA** 73(6):2061–5, Jun 76

Gametogenesis and fertilization in Plasmodium yoelii nigeriensis: a transmission electron microscope study. Sinden RE, et al. **Proc R Soc Lond [Biol]** 193(1110):55–76, 30 Mar 76

Meteorological effects on long term rhythmic (seasonal, pseudo–seasonal or yearly) physiological phenomena in animals. Cloudsley–Thompson JL. **Prog Biometeorol** 1 Pt 1B:578–80, 713–4, 1974

Reproductive biology in an overcrowded world. Short RV. **Sci Proc Cardiff Med Soc** :1–5, 1972–73

Psychobiology of reptilian reproduction. Crews D.
Science 189(4208):1059–65, 26 Sep 75

Peromyscus: effect of early pairing on reproduction. Hill JL.
Science 186(4168):1042–4, 13 Dec 74

Eimeria tenella (Sporozoa, Coccidia): Gametogony following a single asexual generation. McDougald LR, et al.
Science 192(4236):258–9, 16 Apr 76

Clades versus clones in evolution: why we have sex. Stanley SM. **Science** 190(4212):382–3, 24 Oct 75

Perspectives in stochastic models of human reproduction: a review and analysis. Mode CJ. **Theor Popul Biol** 8(3):247–91, Dec 75 (93 ref.)

The effect of reproduction and lactation on the onset of latent chronic beryllium disease. Clary JJ, et al.
Toxicol Appl Pharmacol 33(2):214–21, Aug 75

Feline reproduction. Burke TJ. **Vet Clin North Am** 6(3):317–31, Aug 76 (20 ref.)

Sterility denotations and a grading system for bovine reproducton. Studer E. **Vet Med Small Anim Clin** 70(10):1201–6, Oct 75

Some aspects of sexuality and reproduction in groups of captive marmosets (Callitbrix jacchus). Rothe H.
Z Tierpsychol 37(3):255–73, Apr 75

The reproductive behavior of Aequidens paraguayensis (Pisces, Cichlidae). Timms AM, et al. **Z Tierpsychol** (39):8–23, 1975

Thyroxine content in the thyroid gland of domestic animals. VIII. Levels of thyroid gland of Egyptian buffaloes at various reproductive stages. Abdel–Wahab MF, et al.
Zentralbl Veterinaermed [A] 23(05):408–12, Jul 76

[Role of prostaglandins in the reproductive process] Borisov I, et al. **Akush Ginekol (Sofiia)** 14(5):399–410, 1975 (33 ref.) **(Bul)**

[Some basic trends in the expanded program of the World Health Organization in studying the problems of human reproduction] Vasilev D. **Akush Ginekol (Sofiia)** 14(1):66–72, 1975 **(Bul)**

[Current problems in the immunology of reproduction] Bratanov K. **Vet Med Nauki** 13(3):3–7, 1976 **(Bul)**

[Production of offspring by patients suffering from duodenal ulcer (author's transl)] Kubíčková Z, et al.
Cesk Gastroenterol Vyz 29(5):302–6, Jul 75 (Eng. Abstr.) **(Cze)**

[Reproduction of Bothrops moojeni Hoge in captivity] Leloup P. **Acta Zool Pathol Antverp** (62):173–201, Sep 75 (Eng. Abstr.) **(Fre)**

[The autogenic character of Aedes pullatus (Coquillett, 1904) and new geographic localizations for Aedes caspius (Pallas, 1771), Aedes mariae (Sergent and Sergent, 1903), Aedes detritus (Haliday, 1833) and Culiseta subochrea (Edwards, 1921)] Rioux JA, et al. **Ann Parasitol Hum Comp** 50(1):131–3, Jan–Feb 75 **(Fre)**

[Autogenesis in teh Diptera Culicides. Synoptic table of autogenic species] Rioux JA, et al.
Ann Parasitol Hum Comp 50(1):134–40, Jan–Feb 75 **(Fre)**

[Variations in cerebral neurosecretion during the reproductive cycle of a viviparous insect, Glossina fuscipes fuscipes (Diptera, Muscidae)] Nkouka E.
C R Acad Sci [D] (Paris) 282(6):557–60, 9 Feb 76 (Eng. Abstr.) **(Fre)**

[The effect of temperature on the reproductive function of female crabs, Pachygrapsus marmoratus (Fabricius)] Pradeille–Rouquette M. **C R Acad Sci [D] (Paris)** 281(11):711–3, 15 Sep 75 (Eng. Abstr.) **(Fre)**

[Role of the photoperiod in the reproductive function of female crabs, Pachygrapsus marmoratus (Fabricus)] Pradeille–Rouquette M. **C R Acad Sci [D] (Paris)** 282(2):199–201, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Cyclic reproductive activity in bathyal and abyssel deep–sea fishes] Rannou M. **C R Acad Sci [D] (Paris)** 281(14):1023–5, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Histophysiology of the hypophyseal–interrenal axis in Atlantic salmon (fresh water cycle, thalassic life and reproduction)] Olivereau M. **Gen Comp Endocrinol** 27(1):9–27, Sep 75 (Eng. Abstr.) **(Fre)**

[Membership list. National Society for the Study of Sterility and Fertility] preceding p. 1.
In: Thibault C, ed. La fecondation. Paris, Masson, 1975. WQ 205 F291 1975. **(Fre)**

[Prostaglandins and human reproduction] Béguin F.
J Gynecol Obstet Biol Reprod (Paris) 2(1):95–116, Jan–Feb 73 (Eng. Abstr.) **(Fre)**

[Prostaglandins and reproduction] Ravina JH.
J Gynecol Obstet Biol Reprod (Paris) 2(1):125–7, Jan–Feb 73 **(Fre)**

[Clinical application of prostaglandins in human reproduction] Tchobroutsky C.
J Gynecol Obstet Biol Reprod (Paris) 2(1):118–24, Jan–Feb 73 **(Fre)**

[Reproductive cycle of trout and tench: effect of experimental variations of the temperature (author's transl)] Breton B, et al. **J Physiol (Paris)** 70(5):561–4, Dec 75 (Eng. Abstr.) **(Fre)**

[Reproduction and growth: various concepts in antiquity] Cootjans G. **Rev Belge Med Dent** 31(2):185–90, 1976 **(Fre)**

[Some aspects of reproduction of the reddish brown goats of Maradi. Comparison with other tropical and subtropical breeds] Haumesser JB. **Rev Elev Med Vet Pays Trop** 28(2):225–34, 1975 (Eng. Abstr.) **(Fre)**

[Hibernal reproduction in Arvicola terrestris scherman Shaw (Mammalia, Rodentia)] Meylan A, et al.
Rev Suisse Zool 82(4):689–94, Dec 75 (Eng. Abstr.) **(Fre)**

[Prostaglandins and reproduction] Charbonnel B.
Sem Hop Paris 51(46):2793–2804, 23 Nov 75 (Eng. Abstr.) **(Fre)**

[Effects of nutrition on sperm production in young boars and stud boars. 3. Nutritional influences on sperm production reproductive performance in stud boars] Poppe S, et al. **Arch Tierernaehr** 24(9–10):637–48, Dec 74 (Eng. Abstr.) **(Ger)**

[On the biological characterization of the outbred strain of Chbb : NMRI (SPF) mice / 1st comm.: Characterization of breeding stock under constant conditions of nutrition (Part II) (author's transl)] Anselment P, et al.
Arzneim Forsch 26(5):864–71, 1976 (Eng. Abstr.) **(Ger)**

[Reproductive biology and behavior of Cebuella pygmaea and Tamarin tamarin (Primates, Platyrrhina, Callithricidae)] Christen A. **Fortschr Verhaltensforsch** (14):5–79, 1974 (Eng. Abstr.) **(Ger)**

[Significance of proteases of the male genital tract for reproduction] Schill WB. **Med Welt** 26(33–34):1450–3, 22 Aug 75 **(Ger)**

[Desire to have a child as an example of the significance of the subjective factor in human reproduction] Geissler A. **Z Gesamte Hyg** 22(7):530–6, Jul 76 (Eng. Abstr.) **(Ger)**

[Histological and histochemical studies of the kidney of stickleback Gasterosteus aculeatus L. I. Morphological changes of the kidney epithelial cells during the spawning period] Hackert–Korde K. **Z Mikrosk Anat Forsch** 89(2):373–85, 1975 (Eng. Abstr.) **(Ger)**

[Effect of Cu–deficiency in rats during rearing and pregnancy on reproduction] Spoerl R, et al. **Z Tierphysiol** 35(6):321–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Cu deficiency in reproducing rats] Spoerl R, et al.
Zentralbl Veterinaermed [A] 23(2):131–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Editorial: Resumption of female reproductive function following renal transplantation] Jacob ET, et al.
Harefuah 89(3):133–4, 1 Aug 75 **(Heb)**

[Editorial: The role of prolactin in reproduction] Schenker JG, et al. **Harefuah** 89(7):333–5, 1 Oct 75 **(Heb)**

[Theories of generation in an 18th century manuscript] Barbero B, et al. **Med Secoli** 12(3):465–70, Sep–Dec 75 **(Ita)**

[Prostaglandin and reproduction] Sato K.
Clin Endocrinol (Tokyo) 23(10):995–1004, Oct 75 **(Jpn)**

[Expanded WHO program concerning human reproduction] Persianinov LS, et al. **Akush Ginekol (Mosk)** (6):1–3, Jun 75 **(Rus)**

[State and perspectives of scientific studies on human reproduction at the Moscow WHO Scientific–Methodical Center] Persianinov LS, et al. **Akush Ginekol (Mosk)** (6):3–7, Jun 75 **(Rus)**

[Estrogens in the reproduction process in sables] Polyntsev IuV, et al. **Biol Nauki** (5):18–23, 1975 **(Rus)**

[Hormonal regulation of gonadal function and reproduction in fish] Barannikova IA. **Ontogenez** 6(1):3–10, 1975 (35 ref.) (Eng. Abstr.) **(Rus)**

[Hormonal regulation of gonadal function and reproduction in fish] Barannikova IA. **Ontogenez** 6(1):3–10, 1975 (35 ref.) (Eng. Abstr.) **(Rus)**

[Some regulatory mechanisms of asexual reproduction in planaria] Sakharova NIu, et al. **Ontogenez** 6(6):579–84, 1975 (Eng. Abstr.) **(Rus)**

[Progestin and estrogen concentrations during the reproduction of sables] Polyntsev IUv, et al.
Probl Endokrinol (Mosk) 21(5):86–94, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Lilium regale Wils macrogametogenesis] Krusheva RM, et al. **Tsitol Genet** 10(1):45–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Seasonal dynamics in the function of avian pituitary gonadotropic cells] Novikov BG, et al. **Tsitol Genet** 9(3):218–21, May–Jun 75 **(Rus)**

[Female sterility in hemp (Cannabis sativa L.)] Soroka VP. **Tsitol Genet** 8(5):448–9, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[Development of pollen tubes in self–fertile and self–sterile lines of sugar beets in isolation] Zaĭkovskaia NE, et al.
Tsitol Genet 10(1):57–60, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the methods of diagnosis of reproductive disorders in bees] Naumenkov VI.
Veterinariia (7):101–2, Jul 75 **(Rus)**

[Reproductive function in yearling and 2–year–old ewes] Nikitn VIa, et al. **Veterinariia** (2):71–4, Feb 76 **(Rus)**

[From each cow—1 calf per year] Sereda AE, et al.
Veterinariia (5):34–40, May 75 **(Rus)**

[Influence of carbohydrates on the reproductive function in cows] Sheliugina ZG. **Veterinariia** (2):89–91, Feb 75 **(Rus)**

[Characteristics of the reproduction of Djungarian hamsters in captivity and spontaneous tumors] Sokova OI, et al.
Vopr Onkol 21(4):32–7, 1975 (Eng. Abstr.) **(Rus)**

[Editorial: The habit of smoking and the influence in human reproduction] Avendaño O. **Rev Chil Obstet Ginecol** 39(4):119–20, 1974 **(Spa)**

DRUG EFFECTS

Effects of melengestrol acetate on reproduction in the Beagle bitch. Sokolowski JH, et al. **Am J Vet Res** 37(8):943–5, Aug 76

Prolonged ingestion of commercial DDT and PCB; effects on progesterone levels and reproduction in the mature female rat. Jonsson HT Jr, et al. **Arch Environ Contam Toxicol** 3(4):479–90, 1975–76

The effects of 17 beta-estradiol and medroxyprogesterone acetate alone and in combination with alpha-chlorohydrin on reproductive function in the male rat. Hunt DM, et al. **Biol Reprod** 14(5):544–8, Jun 76

Some remaining problems in the reproductive toxicity testing of drugs. Berry CL, et al. **Br Med Bull** 32(1):34–8, Jan 76

P,p-DDT and p,p'-DDE effects on egg production, eggshell thickness, and reproduction of Japanese quail. Davison KL, et al. **Bull Environ Contam Toxicol** 15(3):265–70, Mar 76

The effects of various aroclor fractions on the productivity of chlorella pyrenoidosa. Hawes ML, et al. **Bull Environ Contam Toxicol** 15(5):588–90, May 76

The chronic toxicity of methiocarb to grackles, doves, and quail and reproductive effect in quail. Schafer EW Jr, et al. **Bull Environ Contam Toxicol** 14(6):641–7, Dec 75

Melatonin induced changes in gonads; pelage and thermogenic characters in the white-footed mouse, Peromyscus leucopus. Lynch GR, et al. **Comp Biochem Physiol [C]** 53(2):67–8, 1976

Methods to assess reproductive effects of environmental chemicals: studies of cadmium and boron administered orally. Dixon RL, et al. **Environ Health Perspect** 13:59–67, Feb 76

Effects of dietary dieldrin on reproduction in the Swiss–Vancouver (SWV) mouse. Birgo BB, et al. **Environ Physiol Biochem** 5(6):440–50, 1975

Three-generation Reproduction studies with FWAs. Keplinger ML, et al. **Environ Qual Saf [Suppl]** 4:230–8, 1975

[Direct effects on the rat of diethylstilboestrol (DES) and oestradiol given at low doses in the ration. Practical consequences (author's transl)] Ferrando R, et al. **Folia Vet Lat** 5(1):27–44, Jan–Mar 75 **(Eng, Fre)**

Tolerance and acceptable daily intake of chlorinated fumigants in the rat diet. Alumot E, et al. **Food Cosmet Toxicol** 14(2):105–10, Apr 76

Tolerance and acceptable daily intake of ethylene dichloride in the chicken diet. Alumot E, et al. **Food Cosmet Toxicol** 14(2):111–4, Apr 76

Failure of FD & C Red No. 2 to produce dominant lethal effects in the mouse. Arnold DW, et al. **Food Cosmet Toxicol** 14(3):163–5, Jun 76

Reproductive dysfunction in rhesus monkeys exposed to low levels of polychlorinated biphenyls (Aoroclor 1248). Barsotti DA, et al. **Food Cosmet Toxicol** 14(2):99–103, Apr 76

Effects of prenatal administration of citrinin and viriditoxin to mice. Hood RD, et al. **Food Cosmet Toxicol** 14(3):175–8, Jun 76

Teratogenic evaluation of lead compounds in mice and rats. Kennedy GL, et al. **Food Cosmet Toxicol** 13(6):629–32, Dec 75

Toxicity studies with delta-aminolaevulinic acid. Kennedy GL Jr, et al. **Food Cosmet Toxicol** 14(1):45–7, Jan 76

Effect of terramycin and sulphanilamide on the reproduction and longevity of the gourd fruit fly, Dacus cucurbitae Coq. (Trypetidae: Diptera). Sankaranarayanan R, et al. **Hindustan Antibiot Bull** 17(1–2):19–23, Aug–Nov 74

Influence of contraceptive steroids on reproduction and post-natal development. pp. 9–15. Tuchmann-Duplessis H, et al.
In: Fairweather DV, ed. The second international norgestrel symposium. Amsterdam, Excerpto Medica, 1974. W3 EX89 no.344 1974.

Effects of antibodies to luteinizing hormone releasing hormone on reproductive functions in rodents. pp. 107–17. Fraser H.
In: Nieschlag E, ed. Immunization with hormones in reproduction research. Amsterdam, North-Holland, 1975.

Disturbed steroid hormone balance in foetal rats and development of reproductive organs. pp 152–3. Jacobsohn D.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

The hypothalamus and the control of reproduction. pp. 3–13. Amoss MS Jr, et al.
In: Rosemberg E, ed. Gonadotropin therapy in female infertility. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.266 1972.

Effect of Sintamil--a new dibenzoxazepine antidepressant on reproductive processes. Rao RR. **Indian J Med Res** 63(1):58–65, Jan 75

Effects of certain lipid compounds on growth and asexual multiplication of Mesocestoides corti (Cestoda) tetrathyridia. Kowalski JC, et al. **Int J Parasitol** 6(4):327–31, Aug 76

An evaluation in rats of nutritional status and reproduction performance post oral contraceptive therapy. Aftergood L, et al. **Int J Vitam Nutr Res** 46(1):66–74, 1976

Absence of influence of high doses of biotin on reproductive performance in female rats. Mittelholzer E. **Int J Vitam Nutr Res** 46(1):33–9, 1976

Effect of hexachlorophene on reproduction in rats. Kennedy GL Jr, et al. **J Agric Food Chem** 23(5):866–8, Sep–Oct 75

Effects of pregnant mare serum and chlortetracycline on the reproductive efficiency of sows. Soma JA, et al. **J Anim Sci** 41(1):100–5, Jul 75

Routine postpartum treatment of dairy cattle with intrauterine neomycin sulfate boluses. Fuquay JW, et al. **J Dairy Sci** 58(9):1367–9, Sep 75

Reproductive physiological responses of cattle to exogenous prostaglandin F2alpha. Thatcher WW, et al. **J Dairy Sci** 59(7):1366–75, Jul 76 (30 ref.)

Some reproductive aspects in albino rats treated with steroids. Abdel-Hay Hafiez A, et al. **J Egypt Med Assoc** 58(1–2):83–93, 1975

Effects of thiotepa on the productivity of male Aedes aegypti. Esparza RJ, et al. **J Hered** 66(3):172–4, May–Jun 75

Influence of juvenile hormone analogues on reproductive performance in the wasp, Habrobracon juglandis. Wissinger WL, et al. **J Insect Physiol** 21(9):1559–64, Sep 75

Evidence for a lack of an effect of dietary fluoride level on reproduction in mice. Tao S, et al. **J Nutr** 106(8):1115–22, Aug 76

Effect of dilauryl succinate on reproduction of the cock and hen and preventive effect of vitamin E. Yoshida M, et al. **J Nutr** 106(8):1184–91, Aug 76

Comparative effects of niridazole on spermatogenesis and reproductive capacity in the mouse, rat and Japanese quail. Jones P, et al. **J Reprod Fertil** 46(1):217–24, Jan 76

Current status of luteinizing hormone-releasing hormone in diagnosis and treatment of disorders in reproductive function. Mahesh VB. **J Reprod Med** 15(4):145–5' Oct 75

Lack of effect of dietary diethylstilbestrol on reproductive performance. Liu SL, et al. **J Toxicol Environ Health** 1(5):817–21, May 76

Toxicity of certain polychlorinated and polybrominated biphenyls on reproductive efficiency of caged chickens. Lillie RJ, et al. **Poult Sci** 54(5):1550–5, Sep 75

Environmental interaction of lead and cadmium on reproduction and metabolism of male rats. Der R, et al. **Res Commun Chem Pathol Pharmacol** 14(4):689–713, Aug 76

Benzodiazepines and reproduction of swiss-webster mice. Guerriero FJ, et al. **Res Commun Chem Pathol Pharmacol** 13(4):601–10, Apr 76

Effects of DDT on reproduction in higher animals. Ware GW. **Residue Rev** 59:119–40, 1975 (106 ref.)

Brown pelicans: improved reproduction off the southern California coast. Anderson DW, et al. **Science** 190(4216):806–8, 21 Nov 75

Phytoestrogens: adverse effects on reproduction in California quail. Leopold AS, et al. **Science** 191(4222):98–100, 9 Jan 76

Reproductive and teratologic studies with halothane. Kennedy GL Jr, et al. **Toxicol Appl Pharmacol** 35(3):467–74, Mar 76

Reproduction and teratology studies with oncolytic agents in the rat and rabbit. II. 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide (DTIC). Thompson DJ, et al. **Toxicol Appl Pharmacol** 33(2):281–90, Aug 75

Reproduction and teratological studies with 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) in the rat and rabbit. Thompson DJ, et al. **Toxicol Appl Pharmacol** 34(3):456–66, Dec 75

Toxicity of methylmercury chloride in rats. II. Reproduction study. Verschuuren HG, et al. **Toxicology** 6(1):97–106, Jun 76

Studies on host-flea relationship. IV. Progesterone and cortisone do not influence the reproductive potentials of rat fleas Xenopsylla cheopis (Rothschild) and X. astia (Rothschild). Prasad RS. **Z Parasitenkd** 50(1):81–6, 27 Jul 76

[Maillard reaction. 10. Effects of premelanoidins on reproduction in rats] Adrian J, et al. **Ann Nutr Aliment** 29(2):151–8, 1975 (Eng. Abstr.) **(Fre)**

[Lindane effects in several generations on the fertility and embryonic mortality levels, the hatchability, the egg production and the egg and chicken weight(author's transl)] Lutz-Ostertag Y. **Arch Anat Histol Embryol (Strasb)** 57(2):269–82, 1974 (Eng. Abstr.) **(Fre)**

[Neuroendocrine effect of sulpiride and sultopride on sexual function in rats] Soulairac A, et al. **Therapie** (4):597–612, Jul–Aug 75 **(Fre)**

[Reproductive toxicological investigations with ipratropiumbromide (author's transl)] Niggeschulze A, et al. **Arzneim Forsch** 26(5a):989–92, 1976 (Eng. Abstr.) **(Ger)**

[Use of the live hog cholera vaccine Suiferin C in breeding stock. 1. Effects on reproduction] Dingeldein W, et al. **Dtsch Tieraerztl Wochenschr** 83(4):129–33, 5 Apr 76 (Eng. Abstr.) **(Ger)**

[Effect of azathioprine on reproductive functions in the Göttingen miniature swine] Seidenkranz HG, et al. **Dtsch Tieraerztl Wochenschr** 82(6):238–44, 5 Jun 75 (Eng. Abstr.) **(Ger)**

[The question of a combin[illegible] effect of a chemical mutagen and radiation sterilized feed in mutagenicity and reproduction tests in the mouse] Renner HW. **Food Cosmet Toxicol** 13(4):427–31, Aug 75 (Eng. Abstr.) **(Ger)**

[Demonstration of harmlessness of hormonal contraceptives for subsequent pregnancies] Eichorn KH, et al. **Zentralbl Gynaekol** 97(8):481–7, 1975 (Eng. Abstr.) **(Ger)**

[Prostaglandins in human reproduction and their clinical use in obstetrics and gynecology] Samaja BA, et al. **Minerva Ginecol** 27(1):25–33, Jan 75 (Eng. Abstr.) **(Ita)**

[Effect of low concentrations of benzene, dichloroethane and their combination on the reproductive function of animals] Vozovania MA. **Gig Sanit** (6):100–2, Jun 76 **(Rus)**

[The effect of phthalate plasticizers on the generative function] Aldyreva MV, et al. **Gig Tr Prof Zabol** (12):25–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of barium on the generative function and its hygienic significance] Silaev AA, et al. **Gig Tr Prof Zabol** (7):33–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Action of low concentrations of benzene, dichloroethane and their combination on the generative function of animals and the development of progeny] Vozovaia MA. **Gig Tr Prof Zabol** (7):20–3, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of selenium on the functions of the reproductive organs and fertility of mice] pp. 66–70. Eiubov IZ, et al.
In: Gasanov GG, ed. Selen v biologi. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Ability of female ixodid ticks to recover from poisoning with DDT in the process of feeding] Uspenskii IV, et al. **Parazitologiia** 9(5):404–11, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of antio on the reproductive function of animals] Khaitov RKh, et al. **Veterinariia** (5):91–4, May 75 **(Rus)**

[Stimulation of the reporductive function in cows by using colostrum] Logvinov DD, et al. **Veterinariia** (4):76–8, Apr 76 **(Rus)**

[Androgenic and estrogenic hormones in the reproduction of swine] Preobrazhenskii ON. **Veterinariia** (8):76–8, Aug 75 **(Rus)**

[Influence of oxynide on the reproductive function of animals] Veselova TP, et al. **Veterinariia** (3):82–5, Mar 76 **(Rus)**

[Effect of p-chlorophenylalanine on the reproduction of the rat (author's transl)] González-Barón S, et al. **Rev Esp Fisiol** 31(1):63–8, Mar 75 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Effects of 60Co irradiation on unfed adults and engorged females of the tick Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(3):241–8, Mar 76

Reproduction function in mice exposed to neonatal irradiation. Nash DJ, et al. **Life Sci** 19(2):183–91, 15 Jul 76

[Reproductive function of monkeys exposed to chronic irradiation] Artem'eva NS, et al. **Radiobiologiia** 16(1):137–40, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

REPRODUCTION, ASEXUAL see under **REPRODUCTION**

REPTILASE see under **PEPTIDE HYDROLASES**

REPTILES

Mycotic infections in amphibians and reptiles. pp. 73–88. Frank W.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Tumours and pseudotumours in some reptiles. Elkan E, et al. **J Comp Pathol** 86(3):337–48, Jul 76

Salt glands in birds and reptiles. Peaker M, et al. **Monogr Physiol Soc** (32):1–297, 1975 (913 ref.)

Studies on chromoproteins of cardiac and skeletal muscle of caimans (Caiman sclerops). Blessing MH, et al. **Pfluegers Arch** 361(1):101–3, 19 Dec 75

Gastrotomy for removal of foreign bodies in a crocodile. Hartman RA. **Vet Med Small Anim Clin** 71(8):1096–7, Aug 76

[Management problems and diseases in reptiles. Dianosis and treatment] Frank W. **Tieraerztl Prax** 3(3):343–64, 1975 **(Ger)**

[Etiology of liver diseases in reptiles] Will R. **Zentralbl Veterinaermed [B]** 22(8):626–34, Oct 75 (Eng. Abstr.) **(Ger)**

[Short description of liver diseases (nosology) in reptiles] Will R. **Zentralbl Veterinaermed [B]** 22(8):617–25, Oct 75 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Proceedings: Descending pathways from brain stem to spinal cord in reptiles. ten Donkelaar HJ. **Acta Morphol Neerl Scand** 13(4):308–9, Dec 75

Phylo- and -ontogenetically determined local changes in the structure of the arterial wall of vertebrates. Macroscopical findings. Dalith F, et al. **Anat Embryol (Berl)** 148(1):99–108, 6 Nov 75

Electron-microscopic observation of pleistocene tissues. Bigaj J, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):23–4, 1976

Myoid cells in the peritubular tissue (Lamina propria) of the reptilian testis. Unsicker K, et al. **Cell Tissue Res** 163(4):545–60, 19 Nov 75

Chromaffin, small granule-containing and ganglion cells in the adrenal gland of reptiles: A comparative ultrastructural study. Unsicker K. **Cell Tissue Res** 165(4):477–508, 28 Jan 76

Comparative morphology of the meninges of amphibians and reptiles. Zajicová A. **Folia Morphol (Praha)** 23(1):56–64, 1975

Scanning electron microscopy of labyrinthine sensory organs in Caiman crocodilus. pp. 277–84. Leake PA.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Vascularity in the reptilian spectacle. Mead AW.
Invest Ophthalmol 15(7):587–91, Jul 76

Anatomical identification of a telencephalic visual area in crocodiles: ascending connections of nucleus rotundus in Caiman crocodilus. Pritz MB. **J Comp Neurol** 164(3):323–38, 1 Dec 75

Descending pathways from the brain stem to the spinal cord in some reptiles. I. Origin. Ten Donkelaar HJ.
J Comp Neurol 167(4):421–42, 15 Jun 76

Descending pathways from the brain stem to the spinal cord in some reptiles. II. Course and site of termination. Ten Donkelaar HJ. **J Comp Neurol** 167(4):443–63, 15 Jun 76

A procedure for differential staining of cartilage and bone in whole formalin-fixed vertebrates. Wassersug RJ.
Stain Technol 51(2):131–4, Mar 76

[Retinal projections in Caiman sclerops. Autoradiographic study] Repérant J. **C R Acad Sci [D] (Paris)** 280(25):2881–4, 30 Jun 75 (Eng. Abstr.) **(Fre)**

[Comparitive development of the olfactory and Jacobson organ sensory epithelia in lepidosaurians] Saint Girons H. **C R Acad Sci [D] (Paris)** 280(6):721–4, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Details of the muscular and nervous system in the anterior member of Sphenodon punctatus (reptiles–Rhynchocephales)] Renous S.
Gegenbaurs Morphol Jahrb 121(2):230–8, 1975 (Eng. Abstr.) **(Fre)**

[Acquisition of masticatory structures in mammalian reptiles (preliminary study] Buyle-Bodin Y, et al.
J Biol Buccale 4(2):91–108, Jun 76 (Eng. Abstr.) **(Fre)**

[Lung structure of Sphenodon punctatus. A comparative anatomic study] Willnow I, et al. **Acta Anat (Basel)** 94(4):504–19, 1976 (Eng. Abstr.) **(Ger)**

[Comparative morphological studies of the acoustic system in some selected reptiles. A. Caiman crocodilus] Glatt AF.
Rev Suisse Zool 82(2):257–81, Jul 75 (Eng. Abstr.) **(Ger)**

[Innervation of Leydig cells in reptiles] Unsicker K.
Verh Anat Ges 68:273–6, 1974 (Eng. Abstr.) **(Ger)**

BLOOD

Isolation and characterization of hemoglobins from the anapsid testudinid Kinixys crosa. Aboderin AA, et al.
Comp Biochem Physiol [B] 54(3):417–21, 1976

The plasma transport proteins of 25-hydroxycholecalciferol in fish, amphibians, reptiles and birds. Hay AW, et al.
Comp Biochem Physiol [B] 53(2):167–72, 1976

Heterogeneity and polymerization of hemoglobins of Caiman latirostris (Crocodylia: Reptilia). Reischl E, et al.
Comp Biochem Physiol [B] 54(4):543–5, 1976

Effects of stress and ACTH on plasma corticosterone levels in the caiman Caiman crocodilus. Gist DH, et al.
Gen Comp Endocrinol 28(4):413–9, Apr 76

Technics for blood collection and intravascular infusion of reptiles. Olson GA, et al. **Lab Anim Sci** 25(6):783–6, Dec 75

[Changes in the blood protein picture (dysproteinemia) in liver diseases in reptiles (Boidae, Pythonidae, Varanidae)] Will R. **Zentralbl Veterinaermed [B]** 22(8):635–55, Oct 75 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Electron microscopic study of the penetration and distribution of somitic cells in the mesoblast of the limb buds of reptiles (Anguis fragilis and Lacerta viridis)] Raynaud A, et al. **C R Acad Sci [D] (Paris)** 281(13):897–900, 29 Sep 75 (Eng. Abstr.) **(Fre)**

[The innervation of anterior rudimentary limbs in snake embryos] Trefouël MJ. **C R Acad Sci [D] (Paris)** 282(1):105–7, 5 Jan 76 (Eng. Abstr.) **(Fre)**

[Development of the primordium hippocampi in reptiles] Hetzel W. **Verh Anat Ges** 69:593–600, 1975 (Eng. Abstr.) **(Ger)**

[Hematopoiesis in the yolk sac of several representatives of the Sauropsida] Dovale K, et al.
Arkh Anat Gistol Embriol 70(3):84–90, Mar 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Discussion on the phylogenic value of various characters related to the myology of the anterior members of Lacertilia] Renous S. **Gegenbaurs Morphol Jahrb** 120(4):519–28, 1974 (Eng. Abstr.) **(Fre)**

[Histogenesis of the teeth of Caiman crocodiles] Yamashita Y. **J Jpn Stomatol Soc** 42(3):328, Sep 75 **(Jpn)**

IMMUNOLOGY

Arbovirus infections in reptiles: studies on the presence of Japanese encephalitis virus antibody in the plasma of the turtle, Trionyx sinensis. Shortridge KF, et al.
Southeast Asian J Trop Med Public Health 6(2):161–9, Jun 75

METABOLISM

Chemo-architectonic studies in a submammalian brain. Adenosine triphosphatase and simple esterase in the diencephalon and mesencephalon. Tewari HB, et al.
Acta Anat (Basel) 95(3):321–48, 1976

Further studies on the chemical nature of reptilian gonadotropins: FSH and LH in the American alligator and green sea turtle. Licht P, et al. **Biol Reprod** 14(2):222–32, Mar 76

Deiodinating activity of the liver and kidney tissue in the reptile. Chiu KW, et al. **Comp Biochem Physiol [B]** 52(3):359–61, 15 Nov 75

The effect of thyroid hormones on the oxygen consumption of the liver tissue in the squamate reptiles. Wong KL, et al. **Comp Biochem Physiol [B]** 52(3):355–8, 15 Nov 75

Histochemical study of the respiratory organs of amphibians and reptiles. Pohunková H. **Folia Morphol (Praha)** 23(2):109–15, 1975

Immunohistochemical detection, by light and electron microscopy, of pituitary hormones in cold-blooded vertebrates. II. Reptiles. Doerr-Schott J.
Gen Comp Endocrinol 28(4):513–29, Apr 76 (40 ref.)

Gonadotropin stimulation of in vitro progesterone production in reptilian and amphibian ovaries. Licht P, et al.
Gen Comp Endocrinol 29(1):141–51, May 76

Plasma amino acids in reptiles after feeding protein or amino acids and after injecting amino acids. Herbert JD, et al.
J Nutr 106(8):1097–101, Aug 76

Mechanisms in young crocodilians greatly modifying the persistence of administered amino acids. **Nutr Rev** 33(9):281–4, Sep 75 (5 ref.)

[Comparison of the histochemical bases of epidermis differentiation in vertebrates] Mogil'naia GM, et al.
Arkh Anat Gistol Embriol 70(3):46–52, Mar 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Treatment of reptiles contaminated with Salmonellas. Koopman JP, et al. **Z Versuchstierkd** 18(3):141–5, 1976

[Nine new Salmonella species belonging to sub-genera I, II, and III and a new serological variant of S. tornow (author's transl)] Rohde R, et al. **Zentralbl Bakteriol [Orig A]** 233(1):50–7, Sep 75 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

[Pierocercoid infestation of the Thailand reptiles in the Berlin Zoo] Odening K, et al. **Angew Parasitol** 17(1):9–14, Mar 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Cutaneous heat flow during heating and cooling in Alligator mississipiensis. Smith EN. **Am J Physiol** 230(5):1205–10, May 76

Thermoregulation in crocodilians—II. A telemetric study of body temperature in the Australian crocodiles, Crocodylus johnstoni and Crocodylus porosus. Johnson CR, et al.
Comp Biochem Physiol [A] 53(2):143–6, 1976

Morphology and function of the parathyroid gland of the caiman, Caiman crocodilus. Oguro C, et al.
Gen Comp Endocrinol 29(2):161–9, Jun 76

A hybrid compartmental model for the alligator Purkinje cell. I: Preferred somatopetal conduction of dendritic spikes and soma-axon interaction. Pottala EW, et al.
J Neurosci Res 1(3–4):207–25, 1975

Letter: Neurophysiological investigation of spinal reflexes at different temperatures of the spinal cord in birds and reptiles. Görke K, et al. **Pfluegers Arch** 359(3):269–71, 9 Sep 75

Extrafusal muscle and muscle spindles in reptiles. Proske U, et al. **Prog Neurobiol** 3:3–29, 1975 (104 ref.)

Studies on ventilation of Caiman crocodilus (Crocodilia: Reptilia). Gans C, et al. **Respir Physiol** 26(3):285–301, MAY 76

The Nile crocodile. Pooley AC, et al. **Sci Am** 234(4):114–9, 122–4, Apr 76

Amphibious behavior of Alligator mississippiensis: roles of a circadian rhythm and light. Lang JW. **Science** 191(4227):575–7, 13 Feb 76

[Proceedings: Inhibition of the response of the mitral cells to smell] Shibuya T, et al. **J Physiol Soc Jpn** 36(8–9):311–2, 1 Sep 74 **(Jpn)**

[New data on the circadian biorhythm of wakefulness and sleep in vertebrates] Karmanova IG.
Dokl Akad Nauk SSSR 225(6):1457–60, 21 Dec 75 **(Rus)**

[A method of forming conditioned reflexes in reptiles] Safarov KhM. **Zh Vyssh Nerv Deiat** 26(3):664–6, May–Jun 76 **(Rus)**

RESCINNAMINE see under **RESERPINE**

RESEARCH

see related
INFORMATION SERVICES
OPERATIONS RESEARCH

Ethical aspects of biomedical research. Riis P.
Acta Neurol Scand [Suppl] Suppl 60:90–2, 1975

Proceedings: Trends in adolescence research. Sampson PH.
Acta Paediatr Scand [Suppl] (256):16, 1975

Towards a bi-dimensional concept of mental deficiency. Fried Y. **Acta Paedopsychiatr (Basel)** 41(2):50–3, 1975

Intermozg. Varbanova A. **Acta Physiol Pharmacol Bulg** 1:94–5, 1974

Conceptions of alcoholism: consequences for research. Clark WB. **Addict Dis** 1(4):395–430, 1975

Overview of the perinatal narcotic addiction conference and future research goals in developmental pharmacology of abused drugs. Harbison RD, et al. **Addict Dis** 2(1–2):1–5, 1975

Current trends in developmental psychology. McCandless BR, et al. **Adv Child Dev Behav** 10:1–8, 1975

Clinical research by the family phtsician. Flaster DJ.
Am Fam Physician 13(1):121–4, Jan 76

Underreporting of cancer in medical surveys: a source of systematic error in cancer research. Chambers LW, et al.
Am J Epidemiol 104(2):141–5, Aug 76

The engagement of epidemiologists in health services research. Henderson M. **Am J Epidemiol** 103(2):127–37, Feb 76

A survey of USA Schools of Public Health–faculty, research personnel, and students in biostatistics and epidemiology programs, 1974–1975. Winkelstein W, et al.
Am J Epidemiol 103(5):436–8, May 76

Is practice responding to research? Smoyak SA.
Am J Nurs 76(7):1146–50, Jul 76

On research in Zen. Shimano ET, et al. **Am J Psychiatry** 132(12):1300–2, Dec 75

The application of a method of content analysis to psychotherapy research. Gottschalk LA.
Am J Psychother 28(4):488–99, Oct 74

Contributions of psychology to health research. Patterns, problems, and potentials. **Am Psychol** 31(4):263–74, Apr 76

... the soul of wit. Comroe JH Jr. **Am Rev Respir Dis** 112(6):861–6, Dec 75

Editorial: Pulmonary research training—a changing scene. Lenfant C, et al. **Am Rev Respir Dis** 113(2):103–5, Feb 76

Research and education in times of inflation. Bowden.
Am Sci 63(6):690–5, Nov–Dec 75

Statistical pearls. I. An empty shell game. Harris PD.
Anesth Analg (Cleve) 55(1):82–4, Jan–Feb 76

Problems of research and development in health services. Brown JH. **Ann Biomed Eng** 3(3):231–7, Sep 75

Ethical guidelines for biomedical research. Blomquist C.
Ann Clin Res 7(5):291–4, Oct 75

Letter: More on Gilder's South Africa. Chumbley LC.
Ann Intern Med 84(2):222–3, Feb 76

The laser in the current cancer program (1975). Goldman L. **Ann NY Acad Sci** 267:324–8, 30 Jan 76

New developments in lasers at wavelengths of 3000 A and below. Ormonde S. **Ann NY Acad Sci** 267:16–29, 30 Jan 76

Human abilities: a review of research and theory in the early 1970s. Horn JL. **Annu Rev Psychol** 27:437–85, 1976 (202 ref.)

Directions and prospects for future research on gout. Seegmiller JE. **Arthritis Rheum** 18(6 Suppl):883–8, Nov–Dec 75

Guest editorial: Why animal diseases research? Hanson RP.
Avian Dis 19(4):647–50, Oct–Dec 75

The 1975 Louis H. Bauer lecture: The next decade–a research challenge and an opportunity. White SC.
Aviat Space Environ Med 46(8):1056–61, Aug 75

Editorial: Research and psychiatric training. Guze SB.
Biol Psychiatry 11(3):265–6, Jun 76

The European organization for research on treatment of cancer. A European community project for the control of cancer. Tagnon HJ. **Biomedicine** 24(1):18–9, Jan 76

Editorial: Priorities in clinical research. **Br Dent J** 139(9):341–2, 4 Nov 75

Research projects in the undergraduate dental curriculum. Speirs RL. **Br Dent J** 139(5):179–83, 2 Sep 75

The experimental approach to alcoholism. Littleton JM.
Br J Addict 70(2):99–122, Jun 75

Present and future trends in alcohol research. Rydberg U.
Br J Addict 70 Suppl 1:3–11, Apr 75

Surgical research in the United Kingdom: past, present and future. Dudley HA. **Br J Surg** 63(5):337–40, May 76

Rapaport's contribution to research: a look to the future. Shevrin H. **Bull Menninger Clin** 40(3):211–28, May 76

Reporting on cancer research. Shimkin MB. **CA** 26(1):55–7, Jan–Feb 76

Knowledge, power, man and justice: ethical problems in biomedical research. Reed J. **Can J Genet Cytol** 17(3):297–304, Sep 75

The state of cancer research in clinical ENT departments in Italy. Bocca E. **Can J Otolaryngol** 4(5):812–4, 1975

Research opportunities at the Institute of Laryngology and Otology, London. Buchanan G. **Can J Otolaryngol** 4(5):849–6, 1975

Research policies in university centres in India. Hiranandani LH. **Can J Otolaryngol** 4(5):815–8, 1975

Review of current research projects under way in Australia related to laryngeal cancer. Kennedy JT.
Can J Otolaryngol 4(5):839–45, 1975

Resident research in otolaryngology at the University of Iowa. McCabe BF. **Can J Otolaryngol** 4(5):846–8, 1975

Research policies related to laryngeal cancer in clinical departments of Scandinavian universities. Olofsson J.
Can J Otolaryngol 4(5):831–8, 1975

Research policies related to laryngeal cancer in university departments in Yugoslavia. Padovan IF.
Can J Otolaryngol 4(5):824–6, 1975

Resident research program at Upstate Medical Center. Tucker HM. **Can J Otolaryngol** 4(5):857–64, 1975

Laryngeal cancer research in the western U.S. and Canada. Ward PH. **Can J Otolaryngol** 4(5):820–3, 1975

Letter: Lipid research clinic program. Little A.
Can Med Assoc J 114(1):14, 16, 10 Jan 76

Nurses as investigators: some ethical and legal issues. MacKay RC, et al. **Can Nurse** 71(9):26–9, Sep 75

Animals, research and medicine. Gibson WC. **Can Vet J** 17(5):144, May 76

Research plan for radiation oncology: introduction and summary. **Cancer** 37(4 Suppl):2032–4, Apr 76

Current status of research in detection and diagnosis. Berlin NI. **Cancer** 37(1 suppl):417–20, Jan 76

The National Large Bowel Cancer Project. Its goals and objectives. Copeland MM. **Cancer** 36(6 Suppl):2308–13, Dec 75

Editorial: The decline of wonder. Caroline NL. **Chest** 68(3):276–7, Sep 75

Persist in open-door scientific research. **Chin Med J [Engl]** 2(2):93–6, Mar 76

Commentary: the present dilemma of drug research. Gross F. **Clin Pharmacol Ther** 19(1):1–10, Jan 76

Editorial: Progress with protection. Modell W. **Clin Pharmacol Ther** 19(2):121–3, Feb 76

A bureaucratic determinant of scientific precedence or: 'scooped by the drug lag'. Morgan JP. **Clin Pharmacol Ther** 19(4):383–6, Apr 76

Speculation and experimentation in early poliomyelitis research. Benison S. **Clio Med** 10(1):1–22, Apr 75

Flooding in vivo as research tool and treatment method for phobias: a preliminary report. Curtis G, et al. **Compr Psychiatry** 17(1):153–60, Jan–Feb 76

Research on bereavement: a selective and critical review. Epstein G, et al. **Compr Psychiatry** 16(6):537–46, Nov–Dec 75

Ethics and social science research. Halper T. **Conn Med** 39(7):430–2, Jul 75

The practice of cooperative clinical trials. Staquet M. **Eur J Cancer** 12(3):241–3, Mar 76

Definition and function of E.O.R.T.C. Tagnon HJ. **Eur J Cancer** 12(3):239–40, Mar 76

Research on psycholinguistic training critique and guidelines. Minskoff EH. **Except Child** 42(3):136–48, Nov 75

Laboratory techniques involving small animals in exercise physiology research. Oscai LB, et al. **Exerc Sport Sci Rev** 3:351–70, 1975 (81 ref.)

Basic research in experimental gerontology. Verzár F. **Experientia** 32(6):746–7, 15 Jun 76

Testimony of FASEB President Guyton September 30 before President's Biomedical Research Panel. Guyton AC. **Fed Proc** 34(11):i, iii–iv, Oct 75

Psychosocial forces. **Gastroenterology** 69(5):1161–4, Nov 75

Instruments for diagnosis, investigation, and treatment of digestive diseases. **Gastroenterology** 69(5):1151–60, Nov 75

Human experimentation in digestive disease research. **Gastroenterology** 69(5):1165–82, Nov 75

Colonic and inflammatory bowel diseases. **Gastroenterology** 69(5):1140–50, Nov 75

Peptic diseases. **Gastroenterology** 69(5):1071–87, Nov 75

Metabolic diseases of the liver. **Gastroenterology** 69(5):1109–20, Nov 75

Diseases of intestinal absorption and secretion. **Gastroenterology** 69(5):1131–9, Nov 75

Inflammatory diseases of the liver. **Gastroenterology** 69(5):1095–1107, Nov 75

Diseases of the gallbladder and biliary passages. **Gastroenterology** 69(5):1121–30, Nov 75

Diseases of the pancreas. **Gastroenterology** 69(5):1088–94, Nov 75

Diseases of the esophagus. **Gastroenterology** 69(5):1058–70, Nov 75

Freedom of enquiry. Stetten D Jr. **Genetics** 81(3):415–25, Nov 75

Training toward understanding the total spectrum of human development. McKinsey ME. **Geriatrics** 30(11):120–6, Nov 75

Gerontology in medical education. An elective program in research and training. Bullock J, et al. **Gerontologist** 14(4):319–23, Aug 74

Legal research issues on aging. Cohen ES. **Gerontologist** 14(3):263–7, Jun 74

Letter: Consumerism and research on aging—are we asking the right question? Edinberg MA. **Gerontologist** 14(4):277–8, Aug 74

Symposium—the real world and the ivory tower. Dialectics of professional training, education, and delivery of services to elderly persons. Bridging research and application. Hickey T, et al. **Gerontologist** 14(6):526–30, Dec 74

Symposium—long-time care: research, policy, and practice. Relocation research and social policy. Lieberman MA. **Gerontologist** 14(6):494–500, Dec 74

The quality of research is strained. Seltzer MM. **Gerontologist** 15(6):503–7, Dec 75

Aging research: yesterday and today. Commentary and opinion by a medical student. Wallace DJ. **Gerontologist** 14(2):110–3, Apr 74

Biomedical research: a view from the state legislature. Delahunt WD. **Hastings Cent Rep** 6(2):25–6, Apr 76

Letter: Does research stigmatize? Leonard MF, et al. **Hastings Cent Rep** 6(1):4, 37, Feb 76

Easing the strain between science and the congress. Biomedical research and the public: a report from the Airlie House Conference. Steinfels P. **Hastings Cent Rep** 6(3):21–5, Jun 76

The Japan–Hawaii cancer study: A progress report. Nomura A, et al. **Hawaii Med J** 34(9):309–16, Sep 75

Pursuit of fetal research guidelines must continue. McHugh JT. **Hosp Prog** 56(10):6–7, 10, Oct 75

AHA research capsules–no. 18. Hospital Service Charges, 1975. Begole C. **Hospitals** 49(15):106–7, 1 Aug 75

The impact of mathematical modeling and computers in biomedical research. pp. 159–68. Hartley HO.
In: Alberti PW, Bryce DP, ed. Workshops from the centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. W 84 AA1 S6c 1975.

The state of cancer research in clinical ENT departments in Italy. pp. 774–6. Bocca E.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Research opportunities at the Institute of Laryngology and Otology, London. pp. 811–8. Buchanan G.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Research policies relating to laryngeal cancer and research programs for residents. pp. 827–9. Fredrickson JM.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Research policies in university centres in India. pp. 777–81. Hiranandani LH.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Review of current research projects under way in Australia related to laryngeal cancer. pp. 801–7. Kennedy JT.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Resident research in otolaryngology at the University of Iowa. pp. 808–10. McCabe BF.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Research policies related to laryngeal cancer in clinical departments of Scandinavian universities. pp. 793–800. Olofsson J.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Research policies related to laryngeal cancer in university departments in Yugoslavia. pp. 786–8. Padovan IF.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Resident research program at Upstate Medical Center. pp. 819–26. Tucker HM.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Laryngeal cancer research in the western U.S. and Canada. pp. 782–5. Ward PH.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

Future research needs in learning disabilities. pp. 249–67. Senf GM.
In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.

The Federal impact on biomedical research. pp. 806–71. Mider GB.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation, 1976. WZ 70 AA1 A2 1976.

The Federal impact on biomedical research. pp. 806–71. Mider GB.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation,1976. WZ 70 AA1 A2 1976. (108 ref.)

Design and development of a multilaboratory computer complex for biomedical research. pp. 1–15. Macy J Jr, et al.
In: Brown PB, ed. Computer technology in neuroscience. Washington, Hemisphere, 1976. WL 26.5 C738 1975.

The table as a basis for data analysis. pp. 385–94. Ransil BJ.
In: Brown PB, ed. Computer technology in neuroscience. Washington, Hemisphere, 1976. WL 26.5 C738 1975.

An automated data organization system for clinical research. pp. 43–7. Thompson HK Jr, et al.
In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.

Research objectives for the improvement of clinical orthodontics. pp. 1–5. van der Linden FP.
In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.

Interpretation of research by the practitioner. pp. 1–7. Clarke KS.
In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.

The programs of the International Agency for Research on Cancer (IARC) in Asia. pp. 303–14. Muir CS.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Implications for futurı medical research. pp. 681–2. Dunn FL.
In: Kleinman A, et al., ed. Medicine in Chinese cultures. Bethesda, NIH, 1976. WB 50 JC6 M44 1974.

Drugs, science, and people. pp. 765–70. Engström A.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975.

Critical elements in futures research. pp. 266–71. Maxmen JS.
In: Maxmen JS, ed. The post-physician era. New York, Wiley, 1976. WB 50.1 M464p 1976.

Exploring opportunities for new reference points for determining nutrient requirements in adolescence. Formulation of research priorities. pp. 341–52. Munro HN.
In: McKigney JI, Munro HN, ed. Nutrient requirements in adolescence. Cambridge, Mass., MIT Press, 1976. WS 115 N974 1973.

Fundamental research for progress. pp. 263–6. Magnéll A.
In: Milligan WO, ed. Immunochemistry. Houston, Robert A. Welch Foundation, 1975. QW 504 R639i 1974.

On legislating fetal research. pp. 351–8. Lowe CU.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

The role of computers in basic biomedical research. pp. 22–30. Perkins WJ.
In: Payne JP, Hill DW, ed. Real-time computing in patient management. Stevenage, Eng., Peregrinus, 1976. WB 141 R288 1975.

The application of digital computers to clinical research. pp. 31–46. Perry IR.
In: Payne JP, Hill DW, ed. Real-time computing in patient management. Stevenage, Eng., Peregrinus, 1976. WB 141 R288 1975.

Neural mechanisms of learning and memory. Introduction: Prospects for application of research on neural mechanisms of learning and memory. pp. xi–xiii. Rosenzweig MR, et al.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.

Needed research to improve female sterilization technology. pp. 274–80. Speidel JJ, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (27 ref.)

A review of recent nutritional research in the arctic. pp. 120–9. Draper HH.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c. (20 ref.)

Current trends of medical research in Greenland. pp. 12–5. Harvald BJ.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Current trends in arctic medical research in the Nordic countries with special reference to Sweden. pp. 8–11. Linderholm H.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Educating physicians in cancer medicine by concerted clinical research. pp. 62–4. Tagnon HJ.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

The methodology of research in family planning. pp. 286–94. Vollman RF.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Research potential of intensive care units. pp. 122–31. Messmer K.
In: Walker WF, Taylor DE, ed. Intensive care. Edinburgh, Churchill Livingstone, 1975. W3 PF268 1973i.

Bridging the gap between systems theory and research. pp. 173–8. Sills GM.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

A new strategy for medical research. Gopalan C. **Indian J Physiol Pharmacol** 18(4):317–23, Oct–Dec 74

Social factors influencing administrators' use of research results. Andersen R. **Inquiry** 12(3):235–8, Sep 75

Notes on improving research utility. Averch H. **Inquiry** 12(3):231–4, Sep 75

Design of a health policy research and development system for Wisconsin. Gustafson DH, et al. **Inquiry** 12(3):251–62, Sep 75

Freedom of scientific inquiry and the public interest. The accountability of science as an agent of social action. Jonas H. **Inquiry** 6(4):15–8, Aug 76

Symposium: the policy uses of research. Introduction. May JJ. **Inquiry** 12(3):228–30, Sep 75

Selective utilization of social science related information by federal policy-makers. Rich RF. **Inquiry** 12(3):239–45, Sep 75

Health care consultants as implementors of health services research. Weil TP. **Inquiry** 12(3):246–50, Sep 75

Attitudes toward alcohol and drug abuse. II. Experimental data, mass media research, and methodological considerations. Kinder BN. **Int J Addict** 10(6):1035–54, 1975

Hypnosis and mastery: clinical contributions and directions for research. Gardner GG. **Int J Clin Exp Hypn** 24(3):202–14, Jul 76

The place of pharmacokinetics in drug development in several European countries with respect to official regulations. von Eickstedt KW. **Int J Clin Pharmacol Biopharm** 12(1–2):295–300, Jul 75

The WHO program for research on immunology of leprosy

(IMMLEP). Sansarricq H, et al. **Int J Lepr** 44(1-2):276-83, Jan-Jun 76

Can nursing research learn from educational research? Kilty JM. **Int J Nurs Stud** 13(2):97-102, 1976

Complementarity as a rule in psychological research. Jackson, Freud and the mind/body problem. Edelheit H. **Int J Psychoanal** 57(1-2):23-36, 1976

Psychoanalytic child development research and the practice of general psychiatry. Lipton EL. **Int J Psychoanal** 57(1-2):113-26, 1976

Roles that nurses in the community can play in nursing research. Johnson MN, et al. **Int Nurs Rev** 22(5):147-9, Sep-Oct 75

Editorial: Clinical trials. Kupfer C. **Invest Ophthalmol** 15(7):513-4, Jul 76

The Medical Research Council of Ireland. O'Donovan DK. **Ir Med J** 69(11):266-8, 26 Jun 76

Toward more effective research on child psychotherapy. Heinicke CM, et al. **J Am Acad Child Psychiatry** 14(4):561-88, Autumn 75

Neurophysiologic research and clinical practice. Bailey HW. **J Am Osteopath Assoc** 74(11):1037-51, Jul 75

The clinical research report. Peterson B. **J Am Osteopath Assoc** 75(5):538-41, Jan 76

Proceedings: The development of a neurologic examination for use in research and general health care. Ronan WV. **J Am Osteopath Assoc** 75(5):533-6, Jan 76

Comparative medicine: progress and prospects. Bustad LK, et al. **J Am Vet Med Assoc** 169(1):90-105, 1 Jul 76 (197 ref.)

The impact of applied behavior analysis on diverse areas of research. Kazdin AE. **J Appl Behav Anal** 8(2):213-29, Summer 75

Super-8 versus 16mm films for medical research, education and health care. Klosevych S. **J Biol Photogr Assoc** 43(4):168-86, Oct 75

The health of clinical investigation beyond Atlantic City. Presidential address before the 68th annual meeting of the American Society for Clinical Investigation, Atlantic City, New Jersey, 3 May 1976. Earley LE. **J Clin Invest** 57(6):1660-5, Jun 76

New data source for drug-abuse epidemiology research. Sells SB. **J Clin Psychol** 32(1):199-200, Jan 76

The August Krogh Principle: 'For many problems there is an animal on which it can be most conveniently studied'. Krebs HA. **J Exp Zool** 194(1):221-6, Oct 75 (24 ref.)

Approaches to the denominator problem in primary care research. Bass M. **J Fam Pract** 3(2):193-5, Apr 76

Research implications of the Virginia study. McWhinney IR. **J Fam Pract** 3(1):35-6, Feb 76

An overview of the legal aspects of human experimentation and research. Little JW Jr. **J Forensic Sci** 21(2):427-40, Apr 76

Gerontological research in psychology published in the Journal of Gerontology 1963-1974: Perspectives and progress. Abrahams JP, et al. **J Gerontol** 30(6):668-73, Nov 75

Retired academics and research activity. Rowe AR. **J Gerontol** 31(4):456-61, Jul 76

Time for a change: from micro- to macro-sociological concepts in disability research. Bynder H, et al. **J Health Soc Behav** 17(1):45-52, Mar 76

Letter: Significance of research results on human subjects. Endo T. **J Hum Ergol (Tokyo)** 4(1):79-80, Sep 75

Future research on the quantifying of endurance training. Shephard RJ. **J Hum Ergol (Tokyo)** 3(2):163-81, Dec 74

Gaps between boundaries of human sciences. Watanabe T. **J Hum Ergol (Tokyo)** 3(2):103-4, Dec 74

Editorial: Federal funding of research. Cooper T. **J Lab Clin Med** 86(5):711-2, Nov 75

Editorial: Consumerism and clinical investigation. Stollerman GH. **J Lab Clin Med** 87(2):179-84, Feb 76

Alan Gregg Memorial Lecture. Physician as scientist: preparation, performance, and prospects. Castle WB. **J Med Educ** 51(1):39-45, Jan 76

Editorial: Biomedical research subjects: who should be exempt? Foster HW Jr. **J Med Educ** 50(11):1069-70, Nov 75

Editorial: Cooperative research: necessity, luxury, or stultifying straitjacket? McGuire C. **J Med Educ** 50(12 Pt1):1131-3, Dec 75

The search for relevant cell culture research in cystic fibrosis: one researcher's opinion. Danes BS. **J Med Genet** 12(4):405-7, Dec 75

The Honors Program approach to undergraduate research in nursing. Burkhalter PK, et al. **J Nurs Educ** 15(1):21-5, Jan 76

Teaching research by the 'Tell', 'Show' and 'Do' process. Reed JC, et al. **J Nurs Educ** 15(1):18-20, Jan 76

The validity of projective techniques and their research and clinical contribution. Blatt SJ. **J Pers Assess** 39(4):327-43, Aug 75

Comments by the American Pharmaceutical Association to the President's Biomedical Research Panel. October 1975. **J Pharm Sci** 64(11):III-VI, Nov 75

Editorial: National research policy. Feldmann EG. **J Pharm Sci** 64(11):I, Nov 75

Editorial: Achieving the full viewpoint. Feldmann EG. **J Pharm Sci** 64(12):I, Dec 75

Barriers to research in psychiatric-mental health nursing: implications for preparing the nurse researcher. Marram G. **J Psychiatr Nurs** 14(4):7-11, Apr 76

The distribution of episodes of illness--a research tool in general practice? Kilpatrick SJ. **J R Coll Gen Pract** 25(158):686-90, Sep 75

James Mackenzie Lecture 1975. The most alluring of occupations. Stone MC. **J R Coll Gen Pract** 26(162):7-16, Jan 76

Kdney research in Wales. Asscher AW. **J R Coll Physicians Lond** 10(4):376-9, Jul 76

Research at the Tenovus Institute. Griffiths K. **J R Coll Physicians Lond** 10(4):363-75, Jul 76

Spina bifida research in Wales. Laurence KM. **J R Coll Physicians Lond** 10(4):333-46, Jul 76

The use of research. Black SD. **J R Coll Surg Edinb** 20(6):355-64, Nov 75

Experimental rigor in rehabilitation research: fact or fantasy? Wehman P. **J Rehabil** 42(3):39, May-Jun 76

Health services research as a management tool in the emergency department. Gibson G, et al. **JACEP** 5(1):40-2, Jan 76

From the NIH: Research findings of potential value to the practitioner. **JAMA** 236(6):553-4, 9 AUG 76

Editorial: A scientist's dilemma. Barclay WR. **JAMA** 234(11):1168, 15 Dec 75

Self-support of medical sciences through patents. Dalldorf G. **JAMA** 235(1):29-30, 5 Jan 76

Experimental subjects. Who should they be? McCormick RA. **JAMA** 235(20):2197, 17 May 76

Editorial: What price protection? Page IH. **JAMA** 235(3):286, 19 Jan 76

Editorial: 'Finis' is not final. Vaisrub S. **JAMA** 234(1):82, 6 Oct 75

Comments on computers in the medical research environment. Pratt AW. **Jpn J Med Electron** 12 SUPPL:7-11, Sep 74

Advances in animal care technology at the National Center for Toxicological Research. Cranmer MF. **Lab Anim Sci** 26(2 Pt 2):355-73, Apr 76

Editorial: Research at large. **Lancet** 2(7883):766, 28 Sep 74

Editorial: Irradiation of volunteers in medical research. **Lancet** 1(7950):75, 10 Jan 76

Editorial: Research at the I.C.R.F. during 1975. **Lancet** 1(7963):789, 10 Apr 76

Letter: What price the S.C.O.R.? Lenfant C. **Lancet** 1(7968):1074, 15 May 76

Letter: Archive for research data. McManus IC. **Lancet** 1(7970):1188, 29 May 76

Current considerations regarding reference units in the expression of biomedical data. Barak AJ, et al. **Life Sci** 17(2):253-6, 15 Jul 75

Letter: Assessment of ambulatory care revisited or--maximizing momentum in health services research. Starfield B. **Med Care** 14(8):709-10, Aug 76

Role of scientific societies in disseminating knowledge and fostering research on x-rays. Nelson PA. **Med Instrum** 9(6):260-6, Nov-Dec 75

Cancer research for small countries: why and how? Metcalf D. **Med J Aust** 1(3):45-7, 17 Jan 76

The Institute for Medical Research Diamond jubilee. Sandoham AA. **Med J Malaysia** 30(3):163, Mar 76

Ethical and legal aspects of non-therapeutic clinical investigations. Taylor JL. **Med Leg J** 43(2):53-68, 1975

A sense of satisfaction about 1975. Smith A. **Med Times** 104(2):19, 23, Feb 76

The nature of interdisciplinary research at Michigan State University. Sweeley CC, et al. **Mich Med** 74(32):692-5, Nov 75

The development of priorities for health services research. The National Center, 1974-76. Fox D. **Milbank Mem Fund Q** 54(3):237-48, Summer 76

Editorial: Veterinary medical participation in hospital clinical research. Jennings PB. **Milit Med** 141(8):555-6, Aug 76

Search and re-search. Munch JC. **Milit Med** 141(1):41, Jan 76

Possibilities for social research among profoundly retarded? Cleland CC. **Monogr Am Assoc Ment Defic** (1):134-49, 1973

Letter: Fetal research. **N Engl J Med** 294(15):849-51, 8 Apr 76

Medicine and public affairs. Report of the President's Biomedical Panel and the old days at the FDA. Greenberg DS. **N Engl J Med** 294(22):1245-6, 27 May 76

Research, the lifeline of medicine. Kornberg A. **N Engl J Med** 294(22):1212-6, 27 May 76

The cost of fetal research: ethical considerations. Tiefel HO. **N Engl J Med** 294(2):85-90, 8 Jan 76

Letter: Blood for transfusion--not research. Tovey LA. **N Engl J Med** 294(1):57, 1 Jan 76

Nursing research and graduate education. Cleland V. **Nurs Outlook** 23(10):642-5, Oct 75

Priorities in clinical nursing research. Lindeman CA. **Nurs Outlook** 23(11):693-8, Nov 75

The case for nursing research. Notter LE. **Nurs Outlook** 23(12):760-3, Dec 75

Research Q and Q. Is there an optimal sample size for research involving human subjects? Is there a rule of thumb that might be used in determining sample size? Brown RC Jr. **Nurs Res** 25(1):62, Jan-Feb 76

Editorial: The invisible university. Carnegie ME. **Nurs Res** 24(5):323, Sep-Oct 75

Editorial: The Journal's contribution to research in nursing. Carnegie ME. **Nurs Res** 24(6):403, Nov-Dec 75

Editorial: Research councils on the state level. Carnegie ME. **Nurs Res** 25(2):83, Mar-Apr 76

How does the doctorally prepared nurse develop into a productive researcher? Fuller EO. **Nurs Res** 25(2):110-1, Mar-Apr 76

Delphi survey of priorities in clinical nursing research. Lindeman CA. **Nurs Res** 24(6):434-41, Nov-Dec 75

In beginning research courses nursing students often display anxiety and negative reactions. How may these be circumvented or corrected? Topf M. **Nurs Res** 25(4):293-5, Jul-Aug 76

Editorial: Asking why. **Nurs Times** 71(47):1835, 20 Nov 75

A new concept of nursing. 2. Developed by a working group of the Scottish National Nursing and Midwifery Consultative Committee. **Nurs Times** 72(15):suppl:53-6, 15 Apr 76

Understanding research. **Nurs Times** 72(22):suppl:77-9, Jun 76

Editorial: Working out why. **Nurs Times** 72(18):675, 6 May 76

The social organisation of health visitor training. 4. Method in nursing research. Dingwall R. **Nurs Times** 72(10):suppl:37-40, 11 Mar 76

Haematology research nurse in the United States. Edwards JH. **Nurs Times** 72(5):194-5, 5 Feb 76

Towards a research-based profession-1. Lancaster A. **Nurs Times** 72(16):632-3, 22 Apr 76

Towards a research-based profession-2. Lancaster A. **Nurs Times** 72(17):672-3, 29 Apr 76

The research ethic. Norton D. **Nurs Times** 71(52):2048-9, 25 Dec 75

The place of research in hospital medicine. Gunz FW. **NZ Med J** 82(547):151-5, 10 Sep 75

The implications of research for occupational health nursing practice. Brown ML. **Occup Health Nurs (NY)** 24(1):10-2, Jan 76

The administration of medical research in Papua New Guinea. Mylius RE. **Papua New Guinea Med J** 18(1):37-8, Mar 75

American Pediatric Society presidential address. Hodes HL. **Pediatr Res** 10(3):201-4, Mar 76

AAP code of ethics for the use of fetuses and fetal material for research. Hodes HL, et al. **Pediatrics** 56(2):304-5, Aug 75

The unimportance of experimenter-bias in sensory deprivation research. Landon PB. **Percept Mot Skills** 42(2):619-24, Apr 76

Issues in treatment efficacy research with alcoholics. Piorkowski GK, et al. **Percept Mot Skills** 41(3):695-700, Dec 75

Lessons from the discovery of modern diuretic therapy. Beyer KH Jr. **Perspect Biol Med** 19(4):500-8, Summer 76

Joys and frustrations of doing research. Roeder KD. **Perspect Biol Med** 19(2):231-45, Winter 76

Letter: Confessions of a clinician convert. Hueter AE. **Phys Ther** 55(9):1007, Sep 75

Research and human rights. Part 1. Michels E. **Phys Ther** 56(4):407-12, Apr 76

Interacting with computer personnel in performing clinical rehabilitation research. Wolf SL, et al. **Phys Ther** 56(2):178-83, Feb 76

Twentieth Bowditch lecture. From Aristotle to modern computers. The role of theories in biological research. Coleman TG. **Physiologist** 18(4):509-18, Nov 75

A role for physiotherapists in research. Rogers S. **Physiotherapy** 62(4):127-8, Apr 76

Trade names or approved names. Part III. Special cases. Drugs for rare diseases. Lyle WH. **Postgrad Med J** 50(580):107-8, Feb 74

Some methodological and strategic issues in psychotherapy research: research implications of the Menninger Foundation's Psychotherapy Research Project. Kernberg OF. **Proc Am Psychopathol Assoc** (64):23-38, 1976

Discussion: behavior therapy. Some general comments and a review of selected papers. Rimm DC. **Proc Am Psychopathol Assoc** (64):132-62, 1976 (103 ref.)

Research Report. The Biometrics Research Unit of the New York State Department of Mental Hygiene. Feldman RS. **Psychol Med** 6(1):151-8, Feb 76

Fear of failure and reluctance to participate in psychological research: replication for female subjects. Feij JA. **Psychol Rep** 38(3 Pt 2):1134, Jun 76

Pitfalls in research: the interview as an illustrative model. Johnson RF. **Psychol Rep** 38(1):3-17, Feb 76 (62 ref.)

Strategies of basic research in development of drugs. Dews PB. **Psychopharmacol Bull** 11(4):6-7, Oct 75

Editorial: Essential hypertension and psychosomatic research. Weiner H. **Psychosom Med** 38(1):1-3, Jan-Feb 76

The cost of drug research. Davey DG. **R Soc Health J** 95(2):62-4, Apr 75

Research in depth. Brink AJ. **S Afr J Med Sci** 40(4):101-7, 1975

Editorial: Research and communication. Stein HB. **S Afr J Med Sci** 40(4):99, 1975

Modern considerations in nutritional research. Whitehead RG. **S Afr Med J** 49(54):2214-7, 20 Dec 75

The 1972 NIMH mission to assess schizophrenic research in the U.S.S.R. Brown BS, et al. **Schizophrenia Bull** (9):148-53, Summer 74

On teaching about research in schizophrenia. Carpenter MD. **Schizophrenia Bull** 2(1):5-9, 1976

Can medical students do medical research? Dick WC, et al. **Scott Med J** 20(4):148, Jul 75

Editorial: Research. Bucy PC. **Surg Neurol** (3):194, Sep 76

What can be done and what is worth doing: thoughts on limits and priorities. Third Shirley A. Johnson memorial lecture. Born GV. **Thromb Haemostas** 35(1):6-23, 29 Feb 76

Federal biomedical research policies. (Presidential address).

Skinner DB. **Trans Am Soc Artif Intern Organs** 22:723–8, 1976

The futility of comparative IQ research. Garcia J. **UCLA Forum Med Sci** (18):421–42, 1975

Statistical processing of data from a small number of experiments. Kokunin VA. **Ukr Biokhim Zh** 47(6):776–91, Nov–Dec 75

Editorial: Clinical research. **Vet Rec** 97(14):253–4, 4 Oct 75

Letter: Animal experimentation. Brander GC. **Vet Rec** 97(6):117, 9 Aug 75

Implications of the Swann Report. 3. Research. Henderson WM. **Vet Rec** 97(15):287–8, 11 Oct 75

Correspondence: Financial implications of a career in veterinary research. Morrison WI, et al. **Vet Rec** 97(20):397, 15 Nov 75

Correspondence: Use of animals in research. Smith GJ. **Vet Rec** 97(11):213, 13 Sep 75

The work of IARC, 1973–74. **WHO Chron** 29(6):224–31, Jun 75

Biomedical research: WHO's commitments examined. **WHO Chron** 29(11):417–22, Nov 75

WHO-supported collaborative research projects in India: the facts. **WHO Chron** 30(4):131–9, Apr 76

Developments in the work of IARC. **WHO Chron** 30(5):194–7, May 76

Promotion of biomedical research in South-East Asia. Establishment of a Regional Advisory Committee on Medical Research. **WHO Chron** 30(7):290–3, Jul 76

WHO's role in biomedical research. **WHO Chron** 30(8):335–6, Aug 76

[Some basic trends in the expanded program of the World Health Organization in studying the problems of human reproduction] Vasilev D. **Akush Ginekol (Sofiia)** 14(1):66–72, 1975 **(Bul)**

[Departmental plan for research in medicine. The 6th 5-year plan] Houštěk J. **Cas Lek Cesk** 115(9):267–9, Mar 76 **(Cze)**

[Results of research activity within the scope of the departmental plan of the Ministry of Health and Education] Houštěk J, et al. **Cas Lek Cesk** 115(15):446–9, Apr 76 **(Cze)**

[Biological and medical principles of the healthy development of man. Results of the VIIth program of basic research in the 5th 5-year plan] Houštěk J. **Cas Lek Cesk** 115(15):441–5, Apr 76 **(Cze)**

[On the position and tasks of clinical research and clinical pharmacology (author's transl)] Kuemmerle HP. **Cas Lek Cesk** 114(33):1003–5, 15 Aug 75 (Eng. Abstr.) **(Cze)**

[Reflection on the scientific technical revolution in medicine (author's transl)] Pacovský V, et al. **Cas Lek Cesk** 115(6):161–4, 13 Feb 76 (Eng. Abstr.) **(Cze)**

[Exogenous glucocorticoids and their relation to intraocular pressure: current trends and perspectives of research] Obenberger J, et al. **Cesk Oftalmol** 32(3):221–37, Jun 76 (94 ref.) (Eng. Abstr.) **(Cze)**

[20 years of the Traumatological Research Institute in Brno] Kroupa J. **Rozhl Chir** 54(11):790–6, Nov 75 **(Cze)**

[Principles of statistical methodology in medicine. XIII. Relationship of quantitative variables. (Part 1)] Gerylovová A, et al. **Vnitr Lek** 22(1):94–100, Jan 76 (Eng. Abstr.) **(Cze)**

[Research and research work in primary health care] **Ugeskr Laeger** 138(14):875–85, 29 Mar 76 **(Dan)**

[Third international symposium on urolithiasis research davos schweiz, 29.iii.–i.iv.1976] Akuama G. **Ugeskr Laeger** 138(27):1645–6, 28 Jun 76 **(Dan)**

[Critical research and political decision] Bang J. **Ugeskr Laeger** 138(14):891–5, 29 Mar 76 (Eng. Abstr.) **(Dan)**

[Statistical analysis of data from clinical and retrospective studies] Blunch NJ. **Ugeskr Laeger** 138(7):401–7, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Letter: Painful animal experiments—a social problem] Börtz J. **Ugeskr Laeger** 137(50):2993–4, 8 Dec 75 **(Dan)**

[Editorial: Part of sclerosis research] Fog T. **Ugeskr Laeger** 138(26):1593–4, 21 Jun 76 **(Dan)**

[Editorial: Arctic medical research] Harvald B. **Ugeskr Laeger** 138(29):1790, 12 Jul 76 **(Dan)**

[Editorial: Research in primary health care] Mabeck CE. **Ugeskr Laeger** 138(14):873, 29 Mar 76 **(Dan)**

[2 types of research. Hypothetical-deductive and inductive study] Wulff HR. **Ugeskr Laeger** 138(22):1330–2, 24 May 76 **(Dan)**

[Scientific research and the universities] Korhonen K. **Duodecim** 91(14–15):861–4, 1975 **(Fin)**

[Methodological problems in the search for the causes of school failure at the elementary teaching level] Marion-Mignon A, et al. **Acta Psychiatr Belg** 75(6):882–9, 1975 (Eng. Abstr.) **(Fre)**

[Editorial: Doing and knowing] Boulet H. **Agressologie** 17(2):69–70, 1976 **(Fre)**

[Letter: Why is French medical research underrated in English-speaking countries?] Veylon R. **Ann Anesthesiol Fr** 16(2):XLVII–XLVIII, Mar–Apr 75 **(Fre)**

The drug industry. A focal economic activity. II. Research in the pharmaceutical industry. Selling drugs. Veylon R. **Nouv Presse Med** 5(3):153–7, 17 Jan 76 **(Fre)**

[Editorial: Hospital research and scientific policy] Laberge C. **Union Med Can** 104(3):347–8, Mar 75 **(Fre)**

[Clinical and research use of automatic radiometric methods in vitro] Tran N, et al. **Union Med Can** 104(2):207–11, Feb 75 (Eng. Abstr.) **(Fre)**

[Criminal and criminological research of the Criminal Institute of the Federal Criminal Department. Thoughts on planning and organization] Gemmer K, et al. **Arch Kriminol** 156(3–4):65–79, Sep–Oct 75 **(Ger)**

[Proceedings: Clinical trials: Methodology versus practice? – An attempted Compromise (author's transl)] Abt K, et al. **Arzneim Forsch** 26(6):1025–6, 1976 (Eng. Abstr.) **(Ger)**

[Experiences in cooperative research: Special Research Area 54 'Rheumatoid diseases of cattle'] Schulz LC. **Berl Munch Tieraerztl Wochenschr** 89(4):75–9, 15 Feb 76 (Eng. Abstr.) **(Ger)**

[Interdisciplinary research, studied on basis of biomedical engineering] Keller H. **Biomed Tech (Berlin)** 21(05):130–5, Jun 76 **(Ger)**

[Behavior-biological aspects in psychiatric research] Ploog D. **Dtsch Med Wochenschr** 100(41):2108–19, 10 Oct 75 (69 ref.) **(Ger)**

[Various dermatologic prolegomena concerning the current collagen research] Korting GW. **Hautarzt** 27(5):193–5, May 76 **(Ger)**

[Practical tasks in cancer research (author's transl)] Schmähl D. **Langenbecks Arch Chir** 339:41–53, Nov 75 (Eng. Abstr.) **(Ger)**

[Cancer as the subject of congresses and research tasks] **Med Monatsschr** 29(5):193–4, May 75 **(Ger)**

[Science policy between freedom and responsibility] Staudinger H. **Med Welt** 26(15):689–96, 11 Apr 75 **(Ger)**

[Analysis of independent categorical data on drug research by contingency table methods (author's transl)] Fink H. **Methods Inf Med** 14(4):212–7, Oct 75 (Eng. Abstr.) **(Ger)**

[Report on results of the Research Project 08 – health care in childhood and adolescence] Sälzler A. **Paediatr Grenzgeb** 14(4):235–9, 1975 **(Ger)**

[Current problems in drug research. 10. Scientific and economic aspects of drug research] Oehme P, et al. **Pharmazie** 31(5):274–6, 1976 **(Ger)**

[Possibilities of using tissue cultures (= cell cultures) in medicinal plant research] Reinhard E. **Planta Med** Suppl:1–4, 1975 **(Ger)**

[Bronchitis and occupational exposure to dust (an investigation by the Deutsche Froschungsgemeinschaft) (author's transl)] Smidt U. **Prax Pneumol** 29(7):412–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Trends in biomedicine (author's transl)] Thoenen H. **Praxis** 64(32):1013–6, 12 Aug 75 (Eng. Abstr.) **(Ger)**

[Round-table discussion: Sense and nonsense of the significance test] **Verh Dtsch Ges Inn Med** 81:1706–10, 1975 **(Ger)**

[Possibilities for errors in the statistical analysis of clinico-pharmacological results] Lohmöller G, et al. **Verh Dtsch Ges Inn Med** 81:1648–50, 1975 **(Ger)**

[Symptoms, diagnosis and the physician's initiative] Sundermann A. **Z Aerztl Fortbild (Jena)** 69(8):436–40, 15 Apr 75 **(Ger)**

[The ascent of man. Comments on the current status of research] Gerhardt K. **Z Allgemeinmed** 51(22):978–80, 10 Aug 75 **(Ger)**

[Gerontologic research in Hungary in past and present] Haranghy L. **Z Alternsforsch** 28(4):359–61, 1974 **(Ger)**

[Brief report on development of gerontologic-geriatric research in the Korean Peoples' Republic] Schmidt UJ, et al. **Z Alternsforsch** 28(2):175–6, 1974 **(Ger)**

[Medical research on noise in the German Democratic Republic during the past 25 years] Dieroff HG. **Z Gesamte Hyg** 20(10):668–74, Oct 74 (Eng. Abstr.) **(Ger)**

[Purpose and methodology of social hygiene research] Ewert G. **Z Gesamte Hyg** 21(5):371–6, May 75 (Eng. Abstr.) **(Ger)**

[Pediatric advisory centers as practice-related research centers: scientific work of pediatricians as reflected in the journal 'Aerztliche Jugendkunde', 1959–1974] Grimm H. **Z Gesamte Hyg** 21(9):704–8, Sep 75 (Eng. Abstr.) **(Ger)**

[Scientific information and research management. The information medium 'Forschungsergebnisse der Akademie fur Aerztliche Fortbildung der DDR' (Research results of the Academy for Continuing Medical Education of the GDR): purposes, standard of work, and efficienty] Hübner W. **Z Gesamte Hyg** 20(10):715–23, Oct 74 (Eng. Abstr.) **(Ger)**

[Cooperation in the history of science as illustrated on the example of the Halle-Hungary research on Johann Andreas Segner] Kaiser W, et al. **Z Gesamte Hyg** 20(11):789–95, Nov 74 (Eng. Abstr.) **(Ger)**

[Industrial medicine research on deep-sea fishing in the German Democratic Republic—review and future prospects] Kersten E. **Z Gesamte Hyg** 20(10):674–7, Oct 74 (Eng. Abstr.) **(Ger)**

[Results and perspectives of the research on health protection for the younger generation] Schmidt-Kolmer E. **Z Gesamte Hyg** 20(10):730–7, Oct 74 (Eng. Abstr.) **(Ger)**

[Editorial: XYY research stopped] **Harefuah** 89(7):338–9, 1 Oct 75 **(Heb)**

[Letter: Laboratory tests and economic principles] Berkó G, et al. **Orv Hetil** 116(47):2806, 23 Nov 75 **(Hun)**

[Significance of radioimmunological determination as a tool for clinical research] Donato L. **Ann Ist Super Sanita** 11(1–2):5–9, 1975 **(Ita)**

[Presentation of a pluricenter research in the field of preventive perinatal medicine] Candiani GB, et al. **Ann Ostet Ginecol Med Perinat** 96(5):295–319, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Falvour chemistry: actuality and new trend of the researches (author's transl)] Colombo E. **Riv Sci Tecn Nutr Um** 5(1):5–8, Jan–Feb 1975 (Eng. Abstr.) **(Ita)**

[Editotial: Scientific research and completed programs of the C.N.R.] Pallotta U. **Riv Sci Tecn Nutr Um** 5(5–6):267–8, Sep–Dec 75 **(Ita)**

[Editorial: Old yet new research themes] Hori H. **Neurol Surg (Tokyo)** 3(12):965–6, Dec 75 **(Jpn)**

[Editorial: Research in general practice] Fugelli P. **Tidsskr Nor Laegeforen** 96(2):111–2, 20 Jan 76 **(Nor)**

[Letter: Research on health care—still a delaying part in the health policy decision making process?] Jacobsen CD. **Tidsskr Nor Laegeforen** 96(7):464–5, 10 Mar 76 **(Nor)**

[Review of scientific papers prepared in 1974 by the chairs, departments, clinics and special projects of the Pomeranian Medical Academy] Drescher E. **Ann Acad Med Stetin** 21:71–199, 1975 **(Pol)**

[The planning and conduct of scientific research in medicine] Wasyluk J, et al. **Pol Tyg Lek** 31(3):123–5, 19 Jan 76 **(Pol)**

[Organization of the development and introduction into medical practice of new drug agents] Babaian EA. **Farmatsiia** 24(1):27–32, Jan–Feb 75 **(Rus)**

[Research laboratories for the scientific organization of work and management of the main pharmacy administration of the ministries of public health of the Union Republics] Panchenko EI, et al. **Farmatsiia** 24(6):12–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Results of the fulfillment of the research plan in the field of pharmacy in 1974] Senov PL, et al. **Farmatsiia** 24(5):3–9, Sep–Oct 75 **(Rus)**

[Status and prospects of the development of research into the preparation and analysis of drug agents] Tentsova AI, et al. **Farmatsiia** 24(1):19–27, Jan–Feb 75 **(Rus)**

[More attention to introducing completed work into practice] Valevko SA, et al. **Farmatsiia** 24(4):48–51, Jul–Aug 75 **(Rus)**

[Importance of hygienic research in solving the problems of protecting reservoirs at the present-day stage] Savelova VA, et al. **Gig Sanit** (7):10–2, Jul 75 **(Rus)**

[Prognosis as a trend in the research of Comecon member countries in the field of environmental hygiene] Sidorenko GI, et al. **Gig Sanit** (9):86–90, Sep 75 **(Rus)**

[Forms and effectiveness of the application in practice of the results of scientific research work to the problems of public and municipal health] Valnrub EM, et al. **Gig Sanit** (11):67–9, Nov 75 **(Rus)**

[Results of the participation of the USSR in the International Biological Program. 'Human Adaptability' Section] Barbashova ZI. **Izv Akad Nauk SSSR [Biol]** (5):785–97, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Introfuction of the results of scientific research into the practice of traumatology and orthopedics] Liuboshits NA, et al. **Ortop Travmatol Protez** (10):85–8, Oct 75 **(Rus)**

[Certain results of scientific research in pediatrics] Efimova AA, et al. **Pediatriia** (1):74–81, Jan 76 **(Rus)**

[Analysis of scientiac research on cardiovascular and collagen diseases in children and adolescents] Nadezhdina EA. **Pediatriia** (2):86–91, 1976 **(Rus)**

[Role of the patient information in scientific-research and experimental-design work] Pikenin AM. **Sov Med** (6):127–30, Jun 75 **(Rus)**

[Results and ways of further development of scientific research in the field of cardiovascular diseases] Chazov EI, et al. **Ter Arkh** 48(1):3–14, 1976 **(Rus)**

[Let us increase the efficacy of the scientific search] **Veterinariia** (1):3–6, Jan 76 **(Rus)**

[Military scientific work of garrison hospital physicians] Kirsanov IuV. **Voen Med Zh** (1):66–7, Jan 76 **(Rus)**

[Introduction of the research work results of the Kirghiz State Medical Institute collective into practice and its economic effectiveness] Mirrakhimov MM, et al. **Zdravookhr Kirg** (4):52–5, Jul–Aug 76 **(Rus)**

[Some results of applying the scientific research of the kirghiz research of the Kirghiz Research Institute of Oncology and Radiology in the national economy of the Kirghiz SSR for the purpose of preventing pretumorous diseases and cancer] Saenko AI, et al. **Zdravookhr Kirg** (2):54–7, Mar–Apr 76 **(Rus)**

[Prospects of psychiatric research in Latin America] Seguin CA, et al. **Acta Psiquiatr Psicol Am Lat** 31(3–4):175–85, Sep–Dec 75 (Eng. Abstr.) **(Spa)**

[Editorial: Investigation—investigators] Contreras Duenas F. **Actas Dermosifiliogr** 66(9–10):445–50, Sep–Oct 75 **(Spa)**

[Education and research and increasing cost of medical care] Rodríguez Argüelles J. **Gac Med Mex** 110(5):319–25, Nov 75 **(Spa)**

[Editorial: Teaching and research: a false antinomy] Lanari A. **Medicina (B Aires)** 35(3):338–40, May–Jun 75 **(Spa)**

[Problems of the psychiatrist in scientific investigations] Mariategui J. **Rev Neuropsiquiatr** 37(3–4):143–54, Sep–Dec 74 (Eng. Abstr.) **(Spa)**

[KAS—an alternative] **Lakartidningen** 72(39):3621, 24 Sep 75 **(Swe)**

[Editorial: Ethical guidelines for biomedical research] Blomquist C. **Lakartidningen** 72(37):3403–5, 10 Sep 75 **(Swe)**

[Psychotherapy research] Ottosson JO. **Lakartidningen** 13(13):1203–6, 24 Mar 76 (9 ref.) **(Swe)**

[Some views on the ethics of medical research: ethical demand of physicians to research is valid even for every-day's health care] Söderström N. **Lakartidningen**

73(11):964–7, 10 Mar 76 (Eng. Abstr.) **(Swe)**
[Main results of research in pharmacy in the Ukrainian SSR in 1975 and the prospects for its development in the 10th Five-Year Plan] Borzunov EE. **Farm Zh** 31(3):13–6, May–Jun 76 **(Ukr)**

HISTORY

Australia: Medical research, 1877–1975. Doherty R. **Ann Intern Med** 84(2):217–8, Feb 76
An overview of fifty years in cancer research: autobiographical essay. Goldfeder A. **Cancer Res** 36(1):1–9, Jan 76
US Army veterinarians in biomedical research: from seed to harvest. Spertzel RO. **J Am Vet Med Assoc** 169(1):115–6, 1 Jul 76
Initiation and survival of biomedical research in a developing country: the Oswaldo Cruz Institute of Brazil 1900–20. Stepan N. **J Hist Med** 30(4):303–25, Oct 75
Adventures in medical research. A century of discovery at Johns Hopkins. Harvey AM. **Johns Hopkins Med J** Suppl:1–464, 1976
Department of Experimental Surgery and Plastics Research in Wroclaw. Kus H. **Polim Med** 5(2):111–2, 1975 (Eng. Abstr.)
[Development of anatomical and physiological research in dermatology in the early 19th century] Kaiser W. **Dermatol Monatsschr** 161(1):1–10, Jan 75 (Eng. Abstr.) **(Ger)**
[Human perspicacity, anatomical research and history of morality] Gutt RW. **Med Klin** 70(26):1150–2, 27 Jun 75 **(Ger)**
[The human chromosomes. The history of their investigation] Murken JD. **Neue Munch Beitr Gesch Med [Medizinhist]** 4:1–156, 1973 **(Ger)**
[Scientific and research activity of dentistry in Slovakia after liberation] Velgos S. **Cesk Stomatol** 75(6):400–3, Dec 75 **(Slo)**

METHODS

Methodology in historical research. Gerber EW. **Exerc Sport Sci Rev** 2:335–55, 1974
Research methodology in the sociology of sport. Loy JW, et al. **Exerc Sport Sci Rev** 2:289–333, 1974 (217 ref.)
Causal-factors research: valuable tool. Ramsey JD. **Int J Occup Health Saf** 44(4):26–8, 35, Jul–Aug 75
Barriers to sample access in a family study. Davis AJ, et al. **J Psychiatr Nurs** 14(6):7–10, Jun 76
An experience in participant observation. Jackson BS. **Nurs Outlook** 23(9):552–5, Sep 75
Letter: Re: '8–4 Research'. **Nurs Res** 25(1):63–6, Jan–Feb 76
The collaborative process in generating a nursing research study. Felton G, et al. **Nurs Res** 25(2):115–20, Mar–Apr 76
[Methodological problems of investigating the pollution of marine littoral waters in their hygienic study] Novikov IuV, et al. **Gig Sanit** (9):79–86, Sep 75 (74 ref.) **(Rus)**

STANDARDS

Age Action Year 1976. Hall DA. **Age Ageing** 5(1):1–5, Feb 76
A critique of the St. Louis psychiatric research criteria for schizophrenia. Taylor MA, et al. **Am J Psychiatry** 132(12):1276–80, Dec 75
Three 'C': a change. (Presidential address 1975 of the European Society for Clinical Investigation). Fliedner TM. **Eur J Clin Invest** 6(1):1–5, 30 Jan 76
Editorial: Statistical review process. Recommended procedures in biomedical research articles. Shuster JJ, et al. **JAMA** 235(5):534–5, 2 Feb 76
Evaluating research findings for applicability in practice. Stetler CB, et al. **Nurs Outlook** 24(9):559–63, Sep 76
[The experiment error in scientific research: quantification of contributing factors] Guzmán MA. **Bol Of Sanit Panam** 79(2):121–30, Aug 75 (Eng. Abstr.) **(Spa)**
[Higher quality of experimental animals increases the reliability of research] **Lakartidningen** 72(44):4229, 29 Oct 75 **(Swe)**

RESEARCH DESIGN

Experiences from planning and execution of a controlled therapeutic trial in new cases of epilepsy. Galbraith AW, et al. **Acta Neurol Scand [Suppl]** Suppl 60:75–6, 1975
Sequential statistical testing in clinical trail. Larsen ME, et al. **Acta Neurol Scand [Suppl]** Suppl 60:87–9, 1975
Check list for assessment of controlled therapeutic trials. Wulff HR. **Acta Neurol Scand [Suppl]** Suppl 60:79–80, 1975
The use of contact lenses for the lateralisation of visual input in man. Dimond SJ, et al. **Acta Psychol (Amst)** 39(5):341–9, Oct 75
High volume screening procedures for hypobetalipoproteinemic activity in rats. Schurr PE, et al. **Adv Exp Med Biol** 67(00):215–229, 1976
Ergonomics guide for the assessment of human static strength. Chaffin DB. **Am Ind Hyg Assoc J** 36(7):505–11, Jul 75
Studying addicts over time: methodology and preliminary findings. Nurco DN, et al. **Am J Drug Alcohol Abuse** 2(2):183–96, 1975
The DARP research program and data system. Sells SB. **Am J Drug Alcohol Abuse** 2(1):1–14, 1975
Tracer experiment design for unique identification of nonlinear physiological systems. DiStefano JJ 3d. **Am J Physiol** 230(2):476–85, Feb 76
Breaking into the prison: conducting a medical research project. Rubin JS. **Am J Psychiatry** 133(2):230–2, Feb 76
Retrospectroscope: 'tell it like it was'. Comroe JH Jr. **Am Rev Respir Dis** 113(5):667–76, May 76
Nutrition survey of Finnish rural children. I. Description of the project, background data and clinical findings. Räsänen L, et al. **Ann Acad Sci Fenn [Med]** (168):1–21, 1975
Letter: Propranolol, digoxin, and angina pectoris. Fisch S. **Ann Intern Med** 84(2):219, Feb 76
Personality. Sechrest L. **Annu Rev Psychol** 27:1–27, 1976 (140 ref.)
Reducing sample sizes when comparing experimental and control groups. Browne RH. **Arch Environ Health** 31(3):169–70, May–Jun 76
Reliably separating identical from fraternal twins. Cohen DJ, et al. **Arch Gen Psychiatry** 32(11):1371–5, Nov 75
Bias against genetic hypotheses in adoption studies. Horn MJ, et al. **Arch Gen Psychiatry** 32(11):1365–7, Nov 75
[Methodology for testing clothing for protection against heat] Aubertin G, et al. **Arch Sci Physiol (Paris)** 27(2):171–82, 1973
Illustration of a control problem in alcohol research designs. Freed EX, et al. **Behav Neuropsychiatry** 7(1–12):67–70, Apr–Mar 75–76
A note on backward conditioning. Eysenck HJ. **Behav Res Ther** 13(2–3):201, Jun 75
The Premack Principle in human experimental and applied settings. Knapp TJ. **Behav Res Ther** 14(2):133–47, 1976 (70 ref.)
A comparison of the differential effects of three different baseline conditions within an ABA1B1 experimental design. Lindsay WR, et al. **Behav Res Ther** 14(2):169–73, 1976
Research in infantile autism: a strategy and its results. DeMyer MK. **Biol Psychiatry** 10(4):433–52, Aug 75
A review of response surface methodology from a biometric viewpoint. Mead R, et al. **Biometrics** 31(4):803–51, Dec 75 (310 ref.)
Statistics and medical experimentation. Meier P. **Biometrics** 31(2):511–29, Jun 75
Design of experiments to estimate heritability when observations are available on parents and offspring. Thompson R. **Biometrics** 32(2):283–304, JUN 76
Randomization and the analysis of variance. White RF. **Biometrics** 31(2):555–71, Jun 75
Methodological problems in the use of factor analysis: a critical review of the experimental evidence for the anal character. Hill AB. **Br J Med Psychol** 49(2):145–59, Jun 76
An experimental method for the study of unconscious conflict: a progress report. Silverman LH. **Br J Med Psychol** 48(4):291–8, Dec 75
An experimental method for the study of unconscious conflict. Watson JP. **Br J Med Psychol** 48(4):299–301, Dec 75
The efficacy of Alcoholics Anonymous: the elusiveness of hard data. Bebbington PE. **Br J Psychiatry** 128:572–80, Jun 76
Letter: Continued need for placebos. Maxwell C. **Br J Psychiatry** 128:510, May 76
Impact of psychosocial factors on the conduct of combined drug and psychotherapy research. Stone WN, et al. **Br J Psychiatry** 127:432–9, Nov 75
Multivariate analysis: data reduction and treatment evaluation. Wilson A. **Br J Psychiatry** 128:404–7, Apr 76
Experimenter bias and subliminal perception. Barber PJ, et al. **Br J Psychol** 66(3):357–72, Aug 75
Letter: Design of clinical trials. Douglas-Jones AP, et al. **Br Med J** 1(6023):1471, 12 Jun 76
The worship of 'p': significant yet meaningless research results. Schulman JL, et al. **Bull Menninger Clin** 40(2):134–43, Mar 76
Three methods of measuring the location of the egocentre: their reliability, comparative locations and intercorrelations. Mitson L, et al. **Can J Psychol** 30(1):1–8, Mar 76
The proband–sibling design in psychiatry, with two technical notes. Offord DR, et al. **Can Psychiatr Assoc J** 21(2):101–7, Mar 76
Statistical problems in detecting the late consequences of therapy. Finney DJ. **Cancer** 37(2 Suppl):1226–36, Feb 76
Effects of varying laboratory conditions on behavioral-state organization in two- and eight-week-old infants. Sostek AM, et al. **Child Dev** 46(4):871–8, Dec 75
Biological rhythm experimentation: a longitudinal design and analysis. McHugh RB, et al. **Chronobiologia** 2(1):1–12, Jan–Mar 75
Health accounting at the Wagner Child Health Station. A practical attempt at quality care assessment. Cunningham N, et al. **Clin Pediatr (Phila)** 15(9):811–4, Sep 76
Power: the appropriate target of community research. Pilisuk M. **Community Ment Health J** 11(3):257–66, Fall 75
The use of medical controls in research with psychiatric populations. Blaney PH. **Compr Psychiatry** 16(4):375–7, Jul–Aug 75
The selection of healthy volunteers for clinical investigation: the case for volunteer pools. Joubert P, et al. **Curr Med Res Opin** 4(3):192–6, 1976
Editorial: Understanding developmental trauma: new roads and new vistas. Meier GW. **Dev Psychobiol** 8(3):193–5, May 75
Environmental and toxicological planning in polymer production and disposal. Levinskas GJ. **Environ Health Perspect** 11:203–7, Jun 75
On the importance of the phrasing of questions in medico-hygienic social surveys. Sörensen S, et al. **Environ Res** 10(2):190–5, Oct 75
Protocol for an international prospective trial of initial therapy regimens in neutropenic patients with malignant disease. Gaya H, et al. **Eur J Cancer** 11suppl:1–4, Aug 75
Data analysis: decompositions, reformulations, and iterative processing. Pruzek RM. **Exerc Sport Sci Rev** 2:357–75, 1974 (69 ref.)
Environmental and genetic factors affecting the response of laboratory animals to drugs. Vesell ES, et al. **Fed Proc** 35(5):1125–32, Apr 76
Interdisciplinary research in the service of the aged. McKinsey ME. **Geriatrics** 30(10):112–21, Oct 75
Designing mental health studies: the case for experimental design. Endicott J, et al. **Hosp Community Psychiatry** 26(11):737–9, Nov 75
Designing mental health studies: the pragmatics of nonexperimental design. Keenan B. **Hosp Community Psychiatry** 26(11):739–40, Nov 75
Research with the SMART reading program. pp. 204–16. Camp BW.
In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.
Methodological problems in working with special populations. pp. 268–75. Halcomb CG.
In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.
Unproven remedies: lessons for improving techniques of evaluating therapeutic efficacy. pp. 385–401. Freireich EJ.
In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.
Planning and design of multi-institutional trials. pp. 190–5. Staquet M, et al.
In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.
A social, scientific, methodological problem. pp. 57–62. Sheehe PR.
In: Ludwig D, Cooke KL, ed. Proceedings of SIMS Conference on Epidemiology. Philadelphia, Society for Industrial and Applied Mathematics, 1975. WA 100 S614p 1974.
Randomized trials in preventive medicine and health service research. Report on a study group. pp. ii–iii, 1–28.
In: Randomized trials in preventive medicine and health service research. Copenhagen, World Health Organization, 1976. WA 20.5 S933r 1976.
Learning about learning: methodological considerations and some suggested experimental approaches. pp. 159–64. Eisenstein EM.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.
Some behavioral approaches to the study of learning. pp. 165–92. Rescorla RA, et al.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.
Design of the Northwest Territories perinatal and infant mortality and morbidity study. pp. 441–2. Holubowsky M.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.
Some methodological and strategic issues in psychotherapy research: research implications of the Menninger foundation's psychotherapy research project. pp. 23–38. Kernberg OF.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.
Psychoanalysis and psychotherapy. Discussion: comments on the Menninger project. pp. 57–61. McNair DM.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.
Combined drug and psychological therapies. Discussion: sources of variance in studies of drugs and other therapies. pp. 294–300. Shader RI.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.
Outcome research strategies in behavior therapy: issues and evidence from the treatment of alcoholics. pp. 96–107. Wilson GT.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.
Recruitment. pp 47–9.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.
Recruitment in large-scale clinical trials. pp 187–95. Zifferblatt SM.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.
Design of experiments using the microcytotoxicity assay. Brown JP, et al. **Int J Cancer** 18(2):230–5, 15 Aug 76
Participant observation in dyadic and triadic situations. Kratz

CR. **Int J Nurs Stud** 12(3):169–74, 1975

Psychosomatic research today: a clinician's overview. Crisp AH. **Int J Psychiatry Med** 6(1–2):159–66, 1975 (41 ref.)

Effects of control techniques on therapeutic outcome in a controlled clinical trial. Hanlon TE, et al. **Int Pharmacopsychiatry** 10(3):169–76, 1975

Attributional change and the importance of baseline recording a case illustration. Michie LE, et al. **J Abnorm Child Psychol** 4(1):55–8, 1976

Children vulnerable to psychopathology: the Stony Brook high-risk project. Neale JM, et al. **J Abnorm Child Psychol** 3(2):95–113, 1975

Comment on 'registered criminality in families with children at high risk for schizophrenia' by Kirkegaard-Sørensen and Mednick. Bishop DV. **J Abnorm Psychol** 85(2):240–2, Apr 76

On the significance of never using a drug: an example from cigarette smoking. Kozlowski LT, et al. **J Abnorm Psychol** 85(4):433–4, Aug 76

Dead or alive: the problem of in vitro tissue mechanics. Black J. **J Biomed Mater Res** 10(3):377–89, May 76

The combination of randomized and historical controls in clinical trials. Pocock SJ. **J Chronic Dis** 29(3):175–88, Mar 76 (9 ref.)

A clinical trial design avoiding undue placebo treatment. Amery W, et al. **J Clin Pharmacol** 15(10):674–9, Oct 75

Exclusive of subjects with F scores at or above 16 in MMPI research on alcoholism. Apfeldorf M, et al. **J Clin Psychol** 32(2):498–500, Apr 76

The person in personality research: an laternate lifestyle case study. Fowler MG, et al. **J Clin Psychol** 32(1):159–67, Jan 76

A grand research design for the investigation of psychological states. Thorne FC. **J Clin Psychol** 32(2):209–24, Apr 76

Letter: A methodological critique of 'interventions for boys with conduct problems'. Kent R. **J Consult Clin Psychol** 44(2):297–302, Apr 76

Confounding of personality and social class characteristics in research on premature termination. Stern SL, et al. **J Consult Clin Psychol** 43(3):341–4, Jun 75

Selection of an experimental unit in rat caries studies. Briner WW. **J Dent Res** 55(3):476–80, May–Jun 76

Study of in vivo plaque formation. Connor JN, et al. **J Dent Res** 55(3):481–8, May–Jun 76

A model for the study of development processes in dental research. Van't Hof MA, et al. **J Dent Res** 55(3):359–66, May–Jun 76

The survey in family practice research. Keller K, et al. **J Fam Pract** 2(6):449–53, Dec 75

Editorial: Some special concerns about race and health: an editorial finale. Jackson JJ. **J Health Soc Behav** 16(4):342, 429–9, Dec 75

Letter: Considerations on field experiments. Ohkubo T. **J Hum Ergol (Tokyo)** 4(1):78–9, Sep 75

The inherent paradox of clinical trials in psychiatry. Helmchen H, et al. **J Med Ethics** 1(4):168–73, Dec 75

The ethics of clinical trials. Wing JK. **J Med Ethics** 1(4):174–5, Dec 75

Issues at the clinical-research interface: placebo effect control groups. Silbergeld S, et al. **J Nerv Ment Dis** 163(33ENA-NA-761027-76102920):147–53, Sep 76

Personality research: components of variance attributable to the person and the situation. Sarason IG, et al. **J Pers Soc Psychol** 32(2):199–204, Aug 75

Organic organizational research in a psychiatric inpatient setting. Stybel LJ. **J Psychiatr Nurs** 14(5):18–22, May 76

Pharmacological techniques for the assessment of the mechanism of action of drugs. Qayum A, et al. **JPMA** 26(1):9–14, Jan 76

Pharmacological techniques for the assessment of the mechanism of action of drugs. Qayum A, et al. **JPMA** 26(1):9–14, Jan 76

Some thoughts on research to define the adequacy of dialysis. Scribner BH. **Kidney Int [Suppl]** (2):3–6, Jan 75

A plea for a comparative approach to evaluation of the physiological significance of regulatory mechanism observed in in vitro studies. Scrutton MC. **Med Hypotheses** 1(6):207–13, Nov–Dec 75

Editorial: Trans-science. **Med J Aust** 2(25–26):923–4, 20–27 Dec 75

The replicability fetish and the Milwaukee project. Throne JM. **Ment Retard** 13(4):14–7, Aug 75

Preparation of rat intestinal muscle and mucosa for quantitative microcirculatory studies. Bohlen HG, et al. **Microvasc Res** 11(1):103–10, Jan 76

Letter: Trial and error. **N Engl J Med** 294(20):1134, 13 May 76

Randomized clinical trials. Perspectives on some recent ideas. Byar DP, et al. **N Engl J Med** 295(2):74–80, 8 Jul 76

Strategy and tactics of chemotherapeutic drug development. Hahn FE. **Naturwissenschaften** 62(10):449–58, Oct 75

One way to learn the research process. Rinehart JM. **Nurs Outlook** 24(1):38–40, Jan 76

Research Q and A What is preproposal? What are its component parts? Is it an effective instrument in assessing funding potential of research ideas? Malasanos LJ. **Nurs Res** 25(3):223–4, May–Jun 76

Letter: Methodology questioned. Hook EB. **Pediatrics** 57(2):292, Feb 76

Influence of pretest waiting time and duration of induction on kinesthetic aftereffect. Robertson RJ, et al. **Percept Mot Skills** 43(1):59–65, Aug 76

Use of a single gibbon in laboratory research. Wilson G, et al. **Percept Mot Skills** 41(2):505–6, Oct 75

Intensive design in medical research. Chassan JB. **Pharmacol Ther [B]** 1(1):139–48, 1975 (18 ref.)

Sampling in physical therapy research. Daniel WW, et al. **Phys Ther** 55(12):1326–31, Dec 75

Meal pattern correlations: facts and artifacts. De Castro JM. **Physiol Behav** 15(1):13–5, Jul 75

Discussion: comments on the Menninger Project. McNair DM. **Proc Am Psychopathol Assoc** (64):57–61, 1976

Discussion: behavior therapy. Some critical comments. Mahoney MJ. **Proc Am Psychopathol Assoc** (64):127–31, 1976

Discussion: sources of variance in studies of drugs and other therapies. Shader RI. **Proc Am Psychopathol Assoc** (64):294–312, 1976

Research methodology in psychotherapy--why bother? Gelder MG. **Proc R Soc Med** 69(7):505–8, Jul 76

Randomized controlled clinical trials in diseases of the liver. Chalmers TC. **Prog Liver Dis** 5:450–6, 1976 (32 ref.)

Effects of infantile undernutrition on adult learning in rats: methodological and design problems. Crnic LS. **Psychol Bull** 83(4):715–28, Jul 76 (86 ref.)

Maintenance antipsychotic drugs do prevent relapse: a reply to Tobias and MacDonald. Davis JM, et al. **Psychol Bull** 83(3):431–47, May 76 (39 ref.)

Severe food deprivation: some thoughts regarding its exclusive use. Moran G. **Psychol Bull** 82(4):543–57, Jul 75 (48 ref.)

Replications of association between internal locus of control and leadership in small groups. De Bolt JW, et al. **Psychol Rep** 38(2):470, Apr 76

A research strategy for evaluating the effectiveness of psychotherapy. Gross SJ, et al. **Psychol Rep** 37(3 Pt 1):1011–21, Dec 75

Pretreatment status and its relationship to the length of drying-out period. Guy W, et al. **Psychopharmacol Bull** 12(2):20–2, Apr 76

Reliability of various estimates of electromyogram activity: within and between subject analyses. Epstein LH, et al. **Psychophysiology** 12(4):468–70, Jul 75

Letter: The epsilon-adjustment procedure for repeated-measures analyses of variance. Jennings JR, et al. **Psychophysiology** 13(3):277–8, May 76

Scientific method and dynamic structure in psychosomatic medicine. Fischer HK. **Psychosomatics** 17(1):10–3, 1976

Comparison of significance tests for repeated measures ANOVA design. Stamm CL, et al. **Res Q Am Assoc Health Phys Educ** 46(4):403–9, Dec 75

Ethical and legal considerations in high risk studies of schizophrenia. Curran WJ. **Schizophrenia Bull** (10):74–92, Fall 74 (43 ref.)

Children at risk: the search for the antecedents of schizophrenia. Part II: ongoing research programs, issues, and intervention. Garmezy N. **Schizophrenia Bull** (9):55–125, Summer 74 (229 ref.)

Psychotherapy research in schizophrenia--another view of present reality. May PR. **Schizophrenia Bull** (9):126–32, Summer 74

Family and biologic variables in the same etiologic studies of schizophrenia: a proposal. Reiss D, et al. **Schizophrenia Bull** 14:64–81, Fall 75

Selection of the experimental unit in teratology studies. Haseman JK, et al. **Teratology** 12(2):165–71, Oct 75

The emergence of the cooperative clinical trial. Dowling HF. **Trans Stud Coll Physicians Phila** 43(1):20–9, Jul 75

[Research on the Danish primary health service, 1950–1974. Organization, subjects, and methods] Foldspang A. **Ugeskr Laeger** 138(33):2017–25, 9 Aug 76 (Eng. Abstr.) **(Dan)**

[Laboratory study of behavioral thermoregulation in man: technic and preliminary results] Grivel F, et al. **Arch Sci Physiol (Paris)** 27(4):519–34, 1973 **(Fre)**

[Controlled therapeutic trials and glomerulonephritis] Richet G. **J Urol Nephrol (Paris)** 81(9):649–53, Sep 75 **(Fre)**

[Methodologic approach to voluntarily modified states of consciousness] Etevenon P, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):232–7, Apr–Jun 73 **(Fre)**

[The psychological development of child affected by chronic diseases: Reflections on the methodology of current researches] Gutton P. **Rev Neuropsychiatr Infant** 24(7–8):375–85, Jul–Aug 76 (Eng. Abstr.) **(Fre)**

[Plea for the application of statistical methods by computer to stomatological research] Ferre JC, et al. **Rev Stomatol Chir Maxillofac** 76(7):583–92, Nov 75 (Eng. Abstr.) **(Fre)**

[Dilemmas of clinical experimentation: use of lactulose in portocaval encephalopathy] Conn HO. **Union Med Can** 103(12):2058–60, Dec 74 **(Fre)**

[Effect of the experimental situation on imitation experiments] Rennert M. **Arch Psychol (Frankf)** 127(1–2):70–7, 1975 (Eng. Abstr.) **(Ger)**

[Presentation and discussion of possible artefacts in social-psychological experiments] Zeisel B. **Arch Psychol (Frankf)** 127(1–2):107–15, 1975 (Eng. Abstr.) **(Ger)**

[Medical problems in the practical execution of drug testing] Weber E. **Arzneim Forsch** 26(1A):146–50, 1976 (Eng. Abstr.) **(Ger)**

[Multivariate data evaluation V. Analysis of time-series (unifactorial model)] Mager PP. **Gegenbaurs Morphol Jahrb** 120(4):485–91, 1974 (Eng. Abstr.) **(Ger)**

[The influence of the environment on mental health, results, possibilities and limits of research] Häfner H. **Psychiatr Clin (Basel)** 7(4–5):199–225, 1974 (Eng. Abstr.) **(Ger)**

[Methods of research on group therapy] Böttcher HR. **Psychiatr Neurol Med Psychol (Leipz)** 28(5):259–66, May 76 (Eng. Abstr.) **(Ger)**

[The method of joined multi-center studies in clinical psychopharmacology] Fleischhauer J. **Schweiz Arch Neurol Neurochir Psychiatr** 117(2):269–81, 1975 (Eng. Abstr.) **(Ger)**

[Standardization and interpretation of electrodermal measurement in psychological experiments] Walschburger P. **Z Exp Angew Psychol** 22(3):514–33, 1975 (Eng. Abstr.) **(Ger)**

[Randomization- -ideal or expedient] Reitnauer PG. **Z Med Labortech** 17(4):203–8, 4 Aug 76 **(Ger)**

[Establishment of standardized clinical-chemistry normal ranges on toxicology, as demonstrated on the example of serum cholesterol in rhesus monkeys and beagle dogs] Metz A, et al. **Z Versuchstierkd** 17(3):163–73, 1975 (Eng. Abstr.) **(Ger)**

[Use of an experimental design method for studying the effect of proteolytic enzymes on the pharmacokinetics of antibiotics] Kivman GIa, et al. **Antibiotiki** 20(10):929–33, Oct 75 (Eng. Abstr.) **(Rus)**

[Optimization of the nutrient medium makeup for the biosynthesis of carminomycin using mathematical methods of experimental design] Kochetkova GV, et al. **Antibiotiki** 20(12):1074–7, 1975 (Eng. Abstr.) **(Rus)**

[Use of a rotation chart for studying the flocculation of admixtures in native solutions] Vernikova LM, et al. **Antibiotiki** 21(3):218–22, Mar 76 (Eng. Abstr.) **(Rus)**

[Experimental design in the study of the analysis of pyrilene by means of photometry] Bubon NT, et al. **Farmatsiia** 24(5):27–31, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Use of a mathematical experimental design method in studying the migration patterns of chemical substances from polyvinyl chloride materials] Kataeva SE, et al. **Gig Sanit** (6):48–51, Jun 76 **(Rus)**

[Various methodological procedures in studying fatigue] Derevianko EA, et al. **Gig Tr Prof Zabol** (5):47–9, May 75 **(Rus)**

[Use of simplex experimental design for studying the complex action of cidial] Spynu EI, et al. **Gig Tr Prof Zabol** (2):52–4, Feb 76 **(Rus)**

[Comparison of the parts in relation to some problems of the statistical processing and planning of cytological experiments] Ginzburg EKh, et al. **Tsitologiia** 17(10):1194–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the hydrolysis process in blue-green algae using a mathematical experimental design method] Lomova GP. **Mikrobiol Zh** 38(3):312–6, 1976 (Eng. Abstr.) **(Ukr)**

STANDARDS

Letter: Psychologic stress in animal studies. White RS. **Am J Cardiol** 37(7):1116–7, Jun 76

Stress and discomfort in psychological research: subject perceptions of experimental procedures. Farr JL, et al. **Am Psychol** 30(7):770–3, Jul 75

Experimental studies on human health effects of air pollutants: I. Design considerations. Hackney JD, et al. **Arch Environ Health** 30(8):373–8, Aug 75

The natural history of neuroses: problems of methods and substance. Sirois F. **Can Psychiatr Assoc J** 20(4):273–80, Jun 75 (65 ref.)

A proposal for study of a state description of the motor control system. pp. 363–9. Partridge LD. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

Some common problems in the design and conduct of experiments in stuttering. Adams MR. **J Speech Hear Disord** 41(1):3–15, Feb 76

Letter: Quality of nursing research studies. Pluckhan ML. **Nurs Res** 25(3):215–222, May–Jun 76

A review of antihistamines and the common cold. West S, et al. **Pediatrics** 56(1):100–7, Jul 75 (45 ref.)

[Assessment of the exactness of a planned number of observations] Rozenberg GS. **Biol Nauki** (3):125–9, 1976 **(Rus)**

[Standardization of the testing of the mutagenic activity of chemical compounds] Matveeva VG, et al. **Gig Sanit** (2):87–90, Feb 75 **(Rus)**

[Use of dispersion analysis for standardizing the conditions of a toxicological experiment] Ershova EA, et al. **Gig Tr Prof Zabol** (7):52–4, Jul 75 **(Rus)**

RESEARCH PERSONNEL

A psychiatrist looks at scientists looking at science. Michels R. **Ann NY Acad Sci** 265:112–7, 1976

Editorial: Medical research in Australia. Chalmers JP. **Aust NZ J Med** 6(1):1–2, Feb 76

Survey of manpower for research and teaching in neurosciences: concepts and issues. Shooter EM, et al. **Exp Neurol** 49(1 pt 2):33–59, Oct 75

Research Q and A. Werley HH. **Nurs Res** 24(6):453–4, Nov–Dec 75

HISTORY

[Activities of medical scientists in blockaded Leningrad] Gladkikh PF. **Zdravookhr Ross Fed** (5):16–20, May 75 **(Rus)**

SUPPLY & DISTRIBUTION

Editorial: Conservation of another natural resource. Frohlich ED. **J Lab Clin Med** 88(1):1–13, Jul 76

[Expert method of studying the correlations of the basic categories of workers in scientific institutions] Khliabich GN, et al. **Sov Zdravookhr** (10):53–6, 1975 **(Rus)**

RESEARCH SUPPORT

Letter: The National Institutes of Health grants peer review study team. Looney GL. **Am J Chin Med** 4(2):201–3, Summer 76

Editorial: The James Picker Foundation for radiologic research. Figley MM. **Am J Roentgenol** 126(2):439–40, Feb 76

The peer review system on trial. Bowers R. **Am Sci** 63(6):624–6, Nov–Dec 75

Letter: Financing basic research at the community level: A review model. Napodano RJ. **Ann Intern Med** 84(2):177–8, Feb 76

Medical oncology program project. Vanselow NA. **Ariz Med** 32(10):808–9, Oct 75

Editorial: Medical research in Australia. Chalmers JP. **Aust NZ J Med** 6(1):1–2, Feb 76

Editorial: Crystal-gazing in gastroenterology. **Br Med J** 4(5988):68–9, 11 Oct 75

You should give at the office, Mr. Minister. Garner J. **Can Med Assoc J** 114(11):1053, 5 Jun 76

Letter: Federal funding for medical research. Miller JR. **Can Med Assoc J** 114(5):407, 6 Mar 76

An impediment to innovation in university and hospital laboratories. Zingg W. **Can Med Assoc J** 114(10):883–4, 22 May 76

Foundation and their fields. Bowers JZ. **Ciba Found Symp** (30):3–15, 1975

Editorial: Of sponsored tasks and public service. Sicé J. **Clin Pharmacol Ther** 19(3):251–5, Mar 76

The government and the university. Brewster K Jr. **Conn Med** 39(9):555–7, Sep 75

Cancer communiqué. Recent American Cancer Society research grants. **Del Med J** 47(8):419, Aug 75

Support of Education of Biomedical Science and career employment opportunities: some dilemmas. Kennedy TJ Jr. **Exp Neurol** 49(1 pt 2):60–8, Oct 75

Science for medicine—time for another reappraisal. Burger EJ Jr. **Fed Proc** 34(12):2106–14, Nov 75

Editorial: Shortage of research funds. Garb S. **Fed Proc** 34(11):1999–2000, Oct 75

Letter: A look at the national cancer program. Pekar PP Jr. **Fed Proc** 35(5):1113, Apr 76

Editorial: Contract research: federal safeguards necessary. Howell SC. **Gerontologist** 14(2):99, 192, Apr 74

Editorial: Citation analysis and the award of research funds, promotions and tenure. Moment GB. **Growth** 39(3):303–4, Sep 75

The Advisory Committee on Medical Research, 1950–1975. A tribute. Johnston JM. **Health Bull (Edinb)** 33(5):220–1, Sep 75

American support of international biomedical research programs: a Swedish viewpoint. pp. 789–805. Bergström S.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation, 1976. WZ 70 AA1 A2 1976.

American support of international biomedical research programs: a Swedish viewpoint. pp. 789–805. Bergström S.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation,1976. WZ 70 AA1 A2 1976.

NIMH—PRB support of research in minimal brain dysfunction in children. pp. 202–13. Lipman RS.
In: Conners CK, ed. Clinical use of stimulant drugs in children. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.313 1972. (33 ref.)

Government programs. Sources of funds for health care organizations. pp. 80–114.
In: Cook AW, ed. Sources of funds for health care organizations. Alexandria, Va., American Group Practice Association, 1975. WX 157 S724 1974.

Some issues in research on the biology of alcoholism. pp. 167–91. Mello NK.
In: Filstead WJ, et al., ed. Alcohol and alcohol problems. Cambridge, Mass., Ballinger, 1976. WM 274 L973a 1973. (86 ref.)

The social control of science. pp. 301–318. Steinberg AG.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

The Ciba Foundation 1949–1974. An appreciation. Parkes AS. **J Biosoc Sci** 8(1):69–73, Jan 76

Editorial: A tale of two cities. Kane RL. **J Community Health** 1(2):89–90, Winter 75

Report from the National Institute on Aging. NIH support of cellular aging research: the human diploid 'fibroblast' model. Murphy DG. **J Gerontol** 31(2):223–7, Mar 76

Editorial: Animal research and the shrinking dollar. Aledort LM. **J Lab Clin Med** 86(6):899–900, Dec 75

Editorial: Federal funding of research. Cooper T. **J Lab Clin Med** 86(5):711–2, Nov 75

Editorial: Federal financing of medical school programs. Lee LE Jr. **J Med Educ** 51(6):519, Jun 76

Getting grants for research in general practice. **J R Coll Gen Pract** 25(160):793–8, Nov 75

Letter: Where was the artificial liver machine? Dailey MJ. **JAMA** 234(11):1119, 15 Dec 75

Self-support of medical sciences through patents. Dalldorf G. **JAMA** 235(1):29–30, 5 Jan 76

Editorial: Research at large. **Lancet** 2(7883):766, 28 Sep 74

Editorial: A Wellcome boost. **Lancet** 2(7975):29–30, 3 Jul 76

NIH gerontology research support: policy evaluation of in vitro cell lineage studies. Murphy DG. **Mech Ageing Dev** 4(5–6):317–23, Sep–Dec 75

Catch 22 in the NIH peer review system. Rosenberg E. **Med Hypotheses** 2(1):27–8, Jan–Feb 76

Editorial: Strange priorities: the budget and medical research. **Med J Aust** 2(11):413–4, 13 Sep 75

Editorial: Blue poles or blue babies? **Med J Aust** 2(14):541, 4 Oct 75

Medicine and Public Affairs. Cancer and heart research—they're still Congressional favorites. Greenberg DS. **N Engl J Med** 293(17):885–6, 23 Oct 75

Medicine and Public Affairs. The cancer program: a new burst of criticism. Greenberg DS. **N Engl J Med** 293(26):1379–80, 25 Dec 75

Medicine and Public Affairs. The state of American science—a touch of anemia? Greenberg DS. **N Engl J Med** 294(13):737–8, 25 Mar 76

Research Q and A What is preproposal? What are its component parts? Is it an effective instrument in assessing funding potential of research ideas? Malasanos LJ. **Nurs Res** 25(3):223–4, May–Jun 76

What is the difference between a research grant and a research contract, and how is information obtained on the contract approach? Phillips TP. **Nurs Res** 24(5):388–9, Sep–Oct 75

Editorial: Medical research in New Zealand. **NZ Med J** 83(558):125–6, 25 Feb 76

Scientific basis for the support of biomedical science. Comroe JH Jr, et al. **Science** 192(4235):105–11, 9 Apr 76

Peer review: quality control of applied social research. Noble JH Jr. **Science** 185(4155):916–21, 13 Sept 74

Editorial: The Peer Review System and NIH. Bucy PC. **Surg Neurol** 5(5):319–20, May 76

Politics, science, and dread disease. Strickland SP. **Trans Stud Coll Physicians Phila** 43(1):13–9, Jul 75

Commentary: Research grants: advice to applicants. Stallones RA. **Yale J Biol Med** 48(5):451–8, Nov 75

[Involvement of the community in research on aging] Knook DL. **Ned Tijdschr Geneeskd** 119(30):1188–9, 26 Jul 75 **(Dut)**

[Abstract information in the support system for hygienic research] Bykhovskiĭ AV, et al. **Gig Sanit** (9):74–6, Sep 75 **(Rus)**

[Some problems in organizing scientific medical research in Great Britain] Shakhovskiĭ KP. **Sov Zdravookhr** (12):43–7, 1975 **(Rus)**

[Organization of complex social hygiene and social economic studies conducted on an economic contract basis by departments of medical institutes] Shpinev VF, et al. **Sov Zdravookhr** (4):60–3, 1975 (Eng. Abstr.) **(Rus)**

[Increased resources for research in health, environment and working life] Kjellander CG. **Lakartidningen** 72(37):3374–5, 10 Sep 75 **(Swe)**

[Law became vitamin injection for research in rehabilitation and health control] Karlsson Y. **Nord Med** 91(6–7–1):185–8, Jun 76 **(Swe)**

RESERPINE

A new gas chromatographic method for the estimation of reserpine and rescinnamine. Settimj G, et al. **J Chromatogr** 116(2):263–70, 21 Jan 76

The chronically reserpinized rat as a possible animal model for cystic fibrosis. IV. The protein composition of pulmonary lavage fluid. Thompson FE, et al. **Pediatr Res** 10(6):632–5, Jun 76

[Editorial: Reserpine and breast cancer—end of the affair?] Modan B. **Harefuah** 90(7):332, 1 Apr 76 **(Heb)**

[Role of serotonin in catatonia induced with haloperidol and reserpine] Cerbo R, et al. **Boll Soc Ital Biol Sper** 52(4):245–50, 28 Feb 76 **(Ita)**

ADMINISTRATION & DOSAGE

The effect of antidepressants on the calcium content of the aorta of reserpine-treated rabbits. Nosálová G, et al. **Physiol Bohemoslov** 24(4):357–62, 1975

[Hypotensive effect of combination of reserpine and papaverine] Kazak LI. **Vrach Delo** (7):51–3, Jul 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Clinical toxicity of reserpine in hospitalized patients: a report from the Boston Collaborative Drug Surveillance Program. Pfeifer HJ, et al. **Am J Med Sci** 271(3):269–76, May–Jun 76

Letter: Reserpine, ECT, and depression. Fleishman M. **Am J Psychiatry** 132(10):1088, Oct 75

Reserpine and breast cancer. pp. 300–6. Jick H.
In: Davies DS, Reid JL, ed. Central action of drugs in blood pressure regulation. Tunbridge Wells, Pitman Medical, 1975. QV 120 I61c 1975. (5 ref.)

Rauwolfia derivatives and breast cancer. Lilienfeld AM, et al. **Johns Hopkins Med J** 139(2):41–50, Aug 76

Reserpine and breast cancer. **Lancet** 2(7882):669–71, 21 Sep 74

Retrospective study of the association between use of rauwolfia derivatives and breast cancer in English women. Armstrong B, et al. **Lancet** 2(7882):672–5, 21 Sep 74

Reserpine use in relation to breast cancer. Heinonen OP, et al. **Lancet** 2(7882):675–7, 21 Sep 74

Letter: Rauwolfia derivatives and cancer. Immich H. **Lancet** 2(7883):774–5, 28 Sep 74

Letter: Rauwolfia derivatives and breast cancer. O'Fallon WM, et al. **Lancet** 2(7938):773, 18 Oct 75

Severe depression caused by reserpine. **Med Lett Drugs Ther** 18(4):19–20, 13 Feb 76

[Does reserpine cause breast cancer?—So far no] Simon KH. **Med Monatsschr** 29(7):285–6, Jul 75 **(Ger)**

[Case of disorder of the function of automatism and conductivity of the myocardium during administration of raunatin] Trebushenko KF. **Vrach Delo** (4):71–2, Apr 75 **(Rus)**

ANALOGS & DERIVATIVES

Collaborative study of a spectrofluorometric assay for Rauwolfia serpentina tablets and powdered root. Smith WM, et al. **J Assoc Off Anal Chem** 59(4):811–6, Jul 76

A new gas chromatographic method for the estimation of reserpine and rescinnamine. Settimj G, et al. **J Chromatogr** 116(2):263–70, 21 Jan 76

Pharmacological actions of some simple analogues of reserpine. II. Anticonvulsant effects. Ghosh DK, et al. **Res Commun Chem Pathol Pharmacol** 10(2):253–66, Feb 75

Pharmacological actions of some simple analogues of reserpine. I. Analgesic effects. Ghosh DK, et al. **Res Commun Chem Pathol Pharmacol** 10(2):239–52, Feb 75

ANALYSIS

Colorimetric assay of reserpine in formulations and biological fluids. Karawya MS, et al. **J Assoc Off Anal Chem** 59(4):795–8, Jul 76

Collaborative study of a semiautomated fluorometric method for the determination of reserpine in tablets. Kreienbaum MA. **J Assoc Off Anal Chem** 59(2):289–92, Mar 76

Collaborative study of a spectrofluorometric assay for Rauwolfia serpentina tablets and powdered root. Smith WM, et al. **J Assoc Off Anal Chem** 59(4):811–6, Jul 76

The use of ferric hydroxamate complexes for photocolorimetric determination of medicinals. Dryanovska L, et al. **Pharmazie** 31(2):130, 1976

ANTAGONISTS & INHIBITORS

Modification of the L-DOPA reversal of reserpine akinesia by inhibitors of dopamine-beta-hydroxylase. Dolphin A, et al. **Eur J Pharmacol** 35(1):135–44, Jan 76

The influence of a new benzonaphtyridone derivative (IFC-45) wit.. antidepressant activity on the central nervous system. Part II. The influence on the amphetamine and reserpine effects and other pharmacological studies. Bogdal M, et al. **Pol J Pharmacol Pharm** 27(5):479–91, Sep–Oct 75

[Activity of toloxatone, antidepressive agents and various other reserpine antagonists on three behavior tests, in the mouse treated with nialamide] Gouret C, et al. **Therapie** 30(2):225–30, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Reserpine measurements as a model to study the complexity of drug interactions. pp. 135–50. Manara L, et al.
In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.

Sites of neurochemical action of delta9-tetrahydrocannabinol: interaction with reserpine. pp. 367–82. Ho BT, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.

On the formation of adrenergic amine storage granules as measured by reserpine labeling. Giachetti A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(4):345–54, 1975

PHARMACODYNAMICS

Proceedings: The effect of antidepressants on the reserpine-induced reduction of brain calcium. Hrková V, et al. **Act Nerv Super (Praha)** 17(4):266–7, 1975

Volumetric and histochemical studies of the adrenal medulla of mouse after reserpine administration. Badawy YH, et al. **Acta Anat (Basel)** 92(1):45–52, 1975

Effect of reserpine, desipramine and phenytoin on digoxin induced arrhythmias and myocardial uptake of digoxin in guinea pigs. Allonen H, et al. **Acta Pharmacol Toxicol (Kbh)** 37(1):8–16, Jul 75

Effect of oxotremorine on behaviour and EEG of reserpine-pretreated rats. Phan DV, et al. **Acta Physiol Acad Sci Hung** 45(1–2):131–8, 1974

The effects of adrenaline, reserpine, and atropine on acetylcholine content of the brain and peripheral ganglia in stress. Billewicz-Stankiewicz J, et al. **Acta Physiol Pol** 26(3):289–97, May–Jun 75

Inhibition of reserpine, guanethidine and imiparmine of the uptake of 5-hydroxytryptamine by rat peritoneal mast cells in vitro. Gripenbe:g J. **Acta Physiol Scand** 96(3):407–16, Mar 76

An electron microscopic study on the effects of reserpine

on the subclavian glomera of the rabbit. Hansen JT, et al. **Am J Anat** 144(4):491–502, Dec 75

Reserpine–induced dissociation of canine pancreatic secretion. Voirol M, et al. **Am J Gastroenterol** 65(5):446–8, May 76

Comparative effects of dextroamphetamine and reserpine on halothane and cyclopropane anesthetic requirements. Johnston RR, et al. **Anesth Analg (Cleve)** 54(5):655–9, Sep–Oct 75

Effect of nicotine on cochlear function and noise–induced hair cell loss. Bobbin RP, et al.
Ann Otol Rhinol Laryngol 85(2 pt.1):247–54, Mar–Apr 76

Glycogenolysis in the heart and skeletal muscle during stimulation and blocking of cholinergic receptors. III. Action of acetylcholine under conditions of sympathicolysis. Wilczek J.
Arch Immunol Ther Exp (Warsz) 24(2):279–84, 1976

The negative inotropic effect of secobarbital on the heart of reserpinised newborn and adult guinea pigs. Effendi H, et al. **Arch Int Pharmacodyn Ther** 215(2):276–82, Jun 75

Effect of nialamide and reserpine on brain free amino acids of rat dependent on and withdrawn from morphine. Koyuncuoglu H, et al. **Arzneim Forsch** 25(11):1762–6, Nov 75

Effects of postnatal reserpine administration on sympatho–adrenal development in the rat. Bartolomé J, et al. **Biochem Pharmacol** 25(13):1513–9, 1 Jul 76

Effect of adrenergic agonists on phosphatidylinositol labelling in heart and aorta. Lapetina EG, et al.
Biochim Biophys Acta 431(3):624–30, 22 Jun 76

An electrophysiological analysis of the effects of reserpine on adrenergic neuromuscular transmission. Bennett MR, et al. **Br J Pharmacol** 55(1):79–85, Sep 75

Proceedings: Reserpine–induced supersensitivity to the rate and tension responses to isoprenaline and salbutamol of guinea–pig atria. Broadley KJ, et al. **Br J Pharmacol** 55(2):284P–285P, Oct 75

The relationship between calcium and increased sensitivity of rabbit aortae four hours after reserpine. Carrier O Jr, et al. **Br J Pharmacol** 56(4):449–55, Apr 76

Tolerance to morphine–induced calcium depletion in regional brain areas: characterization with reserpine and protein synthesis inhibitors. Ross DH. **Br J Pharmacol** 55(3):431–7, Nov 75

Increased tyrosine hydroxylase activity in frontal cortex and cerebellum after reserpine. Black IB. **Brain Res** 95(1):170–6, 12 Sep 75

Role of cholinergic and glucocorticosteroid receptors in the tyrosine hydroxylase induction elicited by reserpine in superior cervical ganglion. Hanbauer I, et al. **Brain Res** 96(1):197–200, 10 Oct 75

Selective reserpine–resistant accumulation of catecholamines in central dopamine neurones after DOPA administration. Lidbrink P, et al. **Brain Res** 67(3):439–56, 8 Mar 74

Increase of tyrosine hydroxylase activity after reserpine: evidence for the selective response of noradrenergic neurons. Sorimachi M. **Brain Res** 99(2):400–4, 5 Dec 75

Unmasking of sympathetic vasoconstruction of the coronary vessels after acute administration of reserpine to dogs. Szentiványi M, et al. **Can J Physiol Pharmacol** 54(2):166–9, Apr 76

Effects of nerve sectioning and drugs on the catecholamine content in the spleen of the cod, Gadus morhua. Abrahamsson T, et al. **Comp Biochem Physiol [C]** 51(2):231–3, 1 Aug 75

The effects of 5–hydroxytryptamine depletors and monoamine oxidase inhibitors on color changes of the fiddler crab, Uca pugilator: further evidence in support of the hypothesis that 5–hydroxytryptamine controls the release of red pigment–dispersing hormone. Fingerman M, et al. **Comp Biochem Physiol [C]** 52(1):55–9, 1 Oct 75

Biogenic amines and acute thermal stress in the rat. Williams BA, et al. **Comp Biochem Physiol [C]** 51(1):67–71, 1 Jun 75

Histomorphic and histochemical observations on the adrenals of the reserpine–treated lizards, Calotes versicolor. Banerjee SK, et al. **Cytologia (Tokyo)** 40(3–4):677–84, Sep 75

A preliminary study of possible antithyroid effect of reserpine as measured by I131 uptake studies and its relation to time of administration. Telang BV, et al. **East Afr Med J** 52(11):611–4, Nov 75

Cholinergic and serotonergic neural links and the inhibitory effects of hippocampus, lateral amygdala and central gray matter on gonadotropin release. Kawakami M, et al.
Endocrinol Jpn 23(1):11–21, Feb 76

Recurrence of estrous cycles in the light–induced persistent estrous rats by reserpine. Shirama K, et al.
Endocrinol Jpn 23(2):165–71, Apr 76

Evidence for adrenergic mediation of cholinergic inhibition of prolactin release. Grandison L, et al. **Endocrinology** 99(3):775–9, Sep 76

Blockage of estrogen–induced release of luteinizing hormone by reserpine and potentiation of synthetic gonadotropin–releasing hormone–induced release of luteinizing hormone by estrogen in the ovariectomized ewe. Jackson GL. **Endocrinology** 97(5):1300–7, Nov 75

Influence of reserpine on high calcium perfusion of thyro–parathyroid glands in dogs. Zileli MS, et al.
Endocrinology 98(1):176–8, Jan 76

The vasopressin and oxytocin content in the hypothalamus and neurohypophysis as influenced by reserpine treatment during long–term dehydration in the white rat. Guzek JW, et al. **Endokrinologie** 67(1):36–50, Mar 67

The effects of chronic reserpine treatment on the contractile activity of the isolated vas deferens of the guinea pig. De Moraes S. **Eur J Pharmacol** 37(1):13–22, May 76

The evaluation of anti–parkinson drugs on reserpine–induced rigidity in rats. Goldstein JM, et al. **Eur J Pharmacol** 33(1):183–8, Aug 75

Effects of reserpine, guanethidine and methyldopa on cardiac output and its distribution. Kisin I, et al.
Eur J Pharmacol 35(2):253–60, Feb 76

The effect of tricyclic antidepressants and neuroleptics on the peripheral and central action of norepinephrine in reserpine–treated mice. Nakamura M, et al.
Eur J Pharmacol 38(2):343–8, Aug 76

Electrophysiological evidence for a neurohormonal dependence in the changes of the late glabellar response in man. Boiardi A, et al. **Eur Neurol** 13(6):513–8, 1975

Ultrastructural changes in the neural lobe of the rat pituitary induced by reserpine treatment. Rechardt L, et al.
Experientia 31(10):1205–7, 15 Oct 75

Role of calcium in postjunctional supersensitivity. Carrier O Jr. **Fed Proc** 34(10):1975–80, Sep 75

Pharmacological transformation of the physiological properties and histochemical fiber types of skeletal muscle. pp. 51–6. Eisen A, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

Possible involvement of cyclic nucleotides in the stimulation of pituitary function elicited by reserpine. pp. 259–66. Guidotti A, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Effects of reserpine and alpha–methyldopa upon adrenergic nerve function in the guinea pig heart. pp. 422–55. Smith CB.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

On the location of the neural structures involved in the reserpine–induced hypersecretion of ACTH. pp. 117–22. Halász B, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Sexual behaviour after neonatal reserpine and pCPA treatment with comment about hypothalamic indole amines in the rat. pp. 305–13. Lehtinen P, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Influence of neuro–drugs on prenatal development. pp. 716–27. Tuchmann–Duplessis H.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Barbiturate withdrawal–induced delayed aggression. pp. 81–7. Singh JM, et al.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.

Dopamine beta–hydroxylase in organ culture of rat adrenal medulla: synthesis, storage, release and trans–synaptic induction. pp. 305–12. Gagnon C, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Partial reversal by resepine of the shortened posttraumatic response of plasma corticosterone tyrosine and liver tyrosine aminotransferase in rats conditioned to trauma in the Noble and Collip drum. pp. 207–11. Németh S.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Glycine transport in isolated cerebral tissue during malnourishment and its response to neurotropic drugs. Mishra OP, et al. **Indian J Biochem Biophys** 12(3):286–8, Sep 75

Differential effects of agents which alter CNS monoamine levels upon acoustic responses in the basal ganglia of freely moving rats. Dafny N, et al. **Int J Neurol** 10(1–4):53–67, 1975

Effects of reserpine, chlorpromazine, imipramine and amitriptyline on urinary excretion of adenosine 3' 5' cyclic monophosphate in rats. Keatinge AM, et al.
Ir J Med Sci 144(7):249–54, Jul 75

Effects of reserpine, epidermal growth factor, and cyclic nucleotide modulators on epidermal mitosis. Birnbaum JE, et al. **J Invest Dermatol** 66(5):313–8, May 76

Reserpine sensitivity of catecholamine metabolism in murine neuroblastoma clone N1E–115. Breakefield XO.
J Neurochem 25(6):877–82, Dec 75

Increased synthesis of dopamine beta–hydroxylase in cultured rat adrenal medullae after in vivo administration of reserpine. Gagnon C, et al. **J Neurochem** 27(1):259–65, Jul 76

Effects of prenatal reserpine administration on development of the rat adrenal medulla and central nervous system. Bartolomé J, et al. **J Pharmacol Exp Ther** 197(2):293–302, May 76

Monoamine oxidase inhibition and the induction of ponto–geniculo–occipital wave activity by reserpine in the cat. Gershon MD, et al. **J Pharmacol Exp Ther** 197(3):556–66, Jun 76

Possible involvement of a transmitter different from norepinephrine in the residual responses to nerve stimulation of the cat nictitating membrane after pretreatment with reserpine. Langer SZ, et al.
J Pharmacol Exp Ther 196(3):697–713, Mar 76

Possible involvement of a transmitter different from norepinephrine in the residual responses to nerve stimulation of the cat nictitating membrane after pretreatment with reserpine. Langer SZ, et al.
J Pharmacol Exp Ther 196(3):697–713, Mar 76

Noradrenergic subsensitivity and supersensitivity of the cerebral cortex after reserpine treatment. Palmer DS, et al. **J Pharmacol Exp Ther** 196(1):167–71, Jan 76

Increased prolactin levels during reserpine treatment of hypertensive patients. Lee PA, et al. **JAMA** 235(21):2316–7, 24 May 76

Modifications of responses to adrenergic drugs in arterial strip by treatment in vivo with ephedrine and reserpine. Furukawa T, et al. **Jpn J Pharmacol** 25(4):441–51, Aug 75

Sympathomimetic actions of reserpine administered during treatment with dopamine in the dog. Ono N, et al.
Jpn J Pharmacol 25(5):493–9, Oct 75

Norepinephrine–epinephrine and serotonin content of nasal mucosa in relation to hemorrhage, reserpine and excitement. Arihood SA, et al. **Life Sci** 18(2):211–4, 15 Jan 76

Enhancement of reserpine–elicited dopaminergic supersensitivity by repeated treatment with apomorphine and alpha–methyl–p–tyrosine. Friedman E, et al.
Life Sci 17(6):867–73, 15 Sep 75

Attenuation by catecholamine antagonists of the hypothermia that follows cerebral infarction in gerbils. Moskowitz MA, et al. **Life Sci** 17(4):597–602, 15 Aug 75

Striatal adenylate cyclase activity following reserpine and chronic chlorpromazine administration in rats. Rotrosen J, et al. **Life Sci** 17(4):563–8, 15 Aug 75

Recovery of dopamine in peripheral adrenergic nerves after reserpine treatment. Almgren O, et al.
Naunyn Schmiedebergs Arch Pharmacol 292(2):133–6, 25 Feb 76

Effects of reserpine and propranolol on anoxia–induced enzyme release from the isolated perfused guinea–pig–heart. Sakai K, et al.
Naunyn Schmiedebergs Arch Pharmacol 291(2):123–30, 21 Nov 75

The effect of pretreatment with reserpine on the diastolic potential of guinea–pig atrial cells. Taylor DA, et al.
Naunyn Schmiedebergs Arch Pharmacol 293(1):81–7, 24 Mar 76

Agents affecting adrenergic function in antihypertensive therapy. I. Dalske HF, et al. **Nebr Med J** 61(6):192–5, Jun 76

Chronic treatment with reserpine and adrenocortical activation. Scapagnini U, et al. **Neuroendocrinology** 20(3):243–9, 1976

Effect of dopamine–beta–hydroxylase inhibitors on thermoregulation in reserpine–treated rats. Ishii Y, et al.
Neuropharmacology 15(6):359–62, Jun 76

Fluorometric monitoring of the effects of adrenergic agents on oxidative metabolism in intact cerebral cortex. LaManna JC, et al. **Neuropharmacology** 15(1):17–24, Jan 76

Beta–adrenergic receptors and the effect of beta–adrenergic blocking agent propranolol on histamine and reserpine stimulated gastric acid secretion in man: normals and duodenal ulcer cases. El–Gendi MA, et al.
Pahlavi Med J 7(1):40–70, Jan 76

The effect of hypotensive drugs (Serpasil) on the histochemical reactions in the small intestine of white rats. Królikowska–Prasal I, et al. **Pathol Eur** 10(2):167–72, 1975

Effect of 10 days reserpine or apomorphine administration on sleep cycles in rats. Benešova O.
Pharmacol Biochem Behav 4(2):119–22, Feb 76

Effect of combined reserpine and ECS on electroshock seizure thresholds in mice. Blank DL.
Pharmacol Biochem Behav 4(4):485–7, Apr 76

Central effects of thyrotropin–releasing factor (TRF); interaction with some antipsychotic drugs. Mora S, et al.
Pharmacol Biochem Behav 4(3):279–82, Mar 76

Striatal monoamines and reserpine and chlorpromazine rigidity. Jurna I. **Pharmacol Ther [B]** 2(1):113–28, 1976 (289 ref.)

Effect of adrenergic neuron inhibitors on the vascular response to sympathetic nerve stimulation. Kisin I.
Pharmacology 14(4):351–6, 1976

Effect on reserpine on humoral immune responsiveness in young chickens. Edens FW, et al. **Poult Sci** 54(6):1970–5, Nov 75

The effect of reserpine and morphine on the release of endogenous primary amines from isolated brain tissues. Cummins JT, et al. **Proc West Pharmacol Soc** 18:67–71, 1975

Sensitivity of guinea pig aorta to norepinphrine, phenylephrine, methoxamine and potassium: effect of reserpine, 6–hydroxydopamine and cocaine. Kaiman M, et al. **Proc West Pharmacol Soc** 18:93–5, 1975

Mechanism of reserpine–induced changes in the pituitary–gonadal axis in rats. Nyakas C, et al.
Prog Brain Res 42:328, 1975

Prenatal reserpine administration: permanent changes in adrenal tyrosine hydroxylase and dopamine beta–hydroxylase. Bartolomé J, et al.
Psychopharmacol Commun 1(5):465–72, 1975

Appearance of wet dog shake behavior during cobalt experimental epilepsy in the rat and its suppression by reserpine. Colasanti BK, et al. **Psychopharmacologia** 44(1):33–6, 14 Oct 75

Drug–induced parkinsonism in the rat– a model for biochemical investigation of the parkinson–syndrome. III.

The incorporation of D-glucose-14C(U) in amino acids of brain and liver from rats pretreated with reserpine or with phenothiazines. Gründig E, et al.
Psychopharmacologia 47(1):111–8, 5 May 76

Reserpine and calcium: interaction at the injection site. Kaplanski J, et al.
Res Commun Chem Pathol Pharmacol 12(2):331–8, Oct 75

Prevention by calcium administration of reserpine action on rat brain noradrenaline stores: a reappraisal. Manara L, et al. **Res Commun Chem Pathol Pharmacol** 14(3):471–87, Jul 76

Effect of dehydration and cardiac tamponade on superior mesenteric artery flow: role of vasoactive substances. Adar R, et al. **Surgery** 79(5):534–43, May 76

Proceedings: The effect of reserpine on aggregation of avian thrombocytes. Belamarich FA. **Thromb Diath Haemorrh** 34(1):360, 30 Sep 75

Morphine-reserpine interactions in the adrenal medulla. Anderson TR, et al. **Toxicol Appl Pharmacol** 36(3):533–41, Jun 76

The effects of reserpine on renal necrosis and urinary catecholamines of choline-deficient rats. Bruce JR, et al. **Toxicol Appl Pharmacol** 36(3):607–10, Jun 76

Some observations on the interaction between cardiac glycosides and reserpine in the heart and central nervous system. Doggett NS, et al. **Toxicol Appl Pharmacol** 33(1):87–93, Jul 75

Variations in melanin and riboflavin content of amphibian liver under the influence of reserpine and amphetamine. Kokolis N. **Z Naturforsch [C]** 31(1–2):98–100, Jan–Feb 76

Serum glucose, serum free fatty acids and adipose tissue lipids after fatal hypothermia of cold acclimatized, reserpine or propranolol treated guinea-pigs. Hirvonen J, et al.
Z Rechtsmed 77(3):177–89, 24 Mar 76

[Morphine interaction with reserpine and amphetamine on prolonged administration to rats] Bantutova I, et al.
Eksp Med Morfol 17(4):196–200, 1975 (Eng. Abstr.) **(Bul)**

[Action of reserpine on parasitism of the rat by Strongyloides ratti. Attempt at the mechanism of parasitic hypocorticosteronemia] Bailenger J, et al.
Ann Parasitol Hum Comp 50(2):199–208, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

Anatomical organization of the phasic activity produced by reserpine at the level of the oculomotor system. Cespuglio R, et al. **Electroencephalogr Clin Neurophysiol** 40(1):12–24, Jan 76 (Eng. Abstr.) **(Fre)**

[Discordance of the effects of reserpine on the so-called 'PGO' spikes in a primate and in the cat] Balzamo E, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):505–6, Jul–Sep 74 **(Fre)**

[Effects of diuretics after pretreatment with reserpine and 6-OH-dopamine (author's transl)] Hörl WH, et al.
Arzneim Forsch 26(4):539–43, Apr 76 (Eng. Abstr.) **(Ger)**

[Letter: Antidiuretic effect of reserpine] **Med Klin** 70(32–33):1317–8, 8 Aug 75 **(Ger)**

[Plasma ACTH, STH and other hormone levels in various groups under chlormethiazole, haloperidol or reserpine load in alchohol delirium, alcoholic hallucinations, and chronic alcoholism] Dobrzański T, et al.
Psychiatr Neurol Med Psychol (Leipz) 28(1):26–32, Jan 76 (Eng. Abstr.) **(Ger)**

[Central action of beta-phenylethylamine derivatives. (4) Effects on spontaneous motor activity and body temperature of beta phenylethyamine derivatives injected into the brain in reserpine pretreated mice] Sakurada S, et al. **Folia Pharmacol Jpn** 71(7):683–90, Oct 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Action mechanism of reserpine in blocking active transport of sodium] Marushige F, et al.
J Physiol Soc Jpn 36(8–9):354–5, 1 Sep 74 **(Jpn)**

[Proceedings: Effects of reserpine, 6-OHDA, L-DOPA and 5-HTP on the development of sex glands in male rats] Matsuyama S. **J Physiol Soc Jpn** 36(8–9):402, 1 Sep 74 **(Jpn)**

[Influence of reserpine on the libration of catecholamines in the brain and heart of rats in ontogenetic development (author's transl)] Swirska A, et al.
Probl Med Wieku Rozwoj 5:83–90, 1975 (Eng. Abstr.) **(Pol)**

[Use of reserpine in myocardial contraction studies] Spadaro J. **Arq Bras Cardiol** 28(5):569–75, Oct 75 (67 ref.) (Eng. Abstr.) **(Por)**

[Study of the correlation between the effects of phenamine and reserpine on models of the caudate arrest reaction] Kosheleva OV. **Biull Eksp Biol Med** 80(10):74–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Adenylate cyclase activity in human nasal polyps under conditions of stimulation of serotonin biosynthesis (in vitro)] Malykhina LS, et al. **Biull Eksp Biol Med** 81(4):428–30, 1976 (Eng. Abstr.) **(Rus)**

[Interaction of sydnocarb with preparations influencing the metabolism of catecholamines] Al'tshuler RA, et al.
Farmakol Toksikol 39(1):9–14, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of reserpine on the arrest reaction in stimulation of the caudate nucleus in cats] Kosheleva OV.
Farmakol Toksikol 38(6):650–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Potentiation of the action of reserpine on the frog as a characteristic effect of antidepressants] Lapin IP, et al.
Farmakol Toksikol 39(2):144–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Influence of substances that change the serotonin level of the brain on the analgesic effect of promedol in rats] Murakhina LK. **Farmakol Toksikol** 39(1):31–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of reserpine on gastric secretion in patients with hypertensive disease] Gadzhiev KhE, et al. **Vrach Delo** (3):36–9, Mar 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comparative effects of prolactin, perphenazine and reserpine on non-arteriosclerotic (virgin) vs arteriosclerotic (breeder) rats. Wexler BC. **Atherosclerosis** 24(1–2):19–36, Jul–Aug 76

Patient acceptance of guanethidine as therapy for mild to moderate hypertension. A comparison with reserpine. Ferguson RK, et al. **Circulation** 54(1):32–7, Jul 76

A randomized double-blind study of furosemide-reserpine in essential hypertension. Velasco M, et al.
Curr Ther Res 18(3):395–9, Sep 75

Therapeutic effect of reserpine on migraine syndrome: relationship to blood amine levels. Fog-Moller F, et al.
Headache 15(4):275–8, Jan 76

Reserpine for migraine prophylaxis. Nattero G, et al.
Headache 15(4):279–81, Jan 76

Treatment of Cushing's disease with reserpine and pituitary irradiation. Miura K, et al. **J Clin Endocrinol Metab** 41(3):511–26, Sep 75

Letter: Periodic fever suppressed by reserpine. Hayashi A, et al. **Lancet** 1(7959):592, 13 Mar 76

Successful treatment of acute vascular insufficiency in a hand by intra-arterial fibrinolysin, heparin, and reserpine. Case report. Serafin D, et al. **Plast Reconstr Surg** 58(4):506–9, Oct 76

Treatment with reserpine of patients resistant to tricyclic antidepressants. A double-blind trial. Hopkinson G, et al.
Psychiatr Clin (Basel) 8(3):109–14, 1975

Angiography in the diagnosis and therapy of frostbite. Gralino BJ, et al. **Radiology** 119(2):301–5, May 76

Liquid crystal thermography: a measure of therapeutic response to reserpine given intra-arterially. Chandler C Jr.
South Med J 69(5):614–5, May 76

[The effect of an antihypertensive drug during psychological stress. A double-blind study] Rösler F, et al.
Arzneim Forsch 25(6):965–72, Jun 75 (Eng. Abstr.) **(Ger)**

[The action of reserpine on the concentration of 5-hydroxytryptamine, epinephrine and norepinephrine in the venous blood of migraine patients] Genefke IK, et al.
Minerva Med 67(28):1876–82, 2 Jun 76 (Eng. Abstr.) **(Ita)**

[Reserpine in the prevention of migraine and in the therapy of tension-vascular headache] Nattero G, et al.
Minerva Med 67(28):1871–5, 2 Jun 76 (Eng. Abstr.) **(Ita)**

[Haloperidol, reserpine, l-dopa and amantidine in the treatment of Huntington chorea (author's transl)] Candelise L. **Riv Patol Nerv Ment** 96(1):54–62, Jan–Feb 76 (Eng. Abstr.) **(Ita)**

[Cerebral hemodynamics in patients with hypertensive crises treated with rausedyl] Krishchuk AA. **Klin Med (Mosk)** 53(9):28–31, Sep 75 **(Rus)**

[Mechanism of antihypoxic effect of reserpine] Markova EA, et al. **Patol Fiziol Eksp Ter** (2):68–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Combined use of preparations of rauwolfia and guanethidine in hypertensive disease] Komarov FI, et al. **Vrach Delo** (11):32–5, Nov 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Cardiotoxicity studies with diazoxide, reserpine, guanethidine, and combinations of diazoxide and propranolol in dogs. Balazs T, et al.
Toxicol Appl Pharmacol 33(3):489–504, Sep 75

RESERPINE DERIVATIVES see under **RESERPINE**

RESERVE CELL CARCINOMA see **CARCINOMA, OAT CELL**

RESIDENCE CHARACTERISTICS

Selected demographic characteristics and patterns of drug abuse among treated addicts from a suburban community. Copemann CD, et al. **Br J Addict** 70(2):205–12, Jun 75

The personality and mental health of flat dwellers. Moore NC. **Br J Psychiatry** 128:259–61, Mar 76

The homeless person and the psychiatric services: an Edinburgh survey. Priest RG. **Br J Psychiatry** 128:128–36, Feb 76

Residential preferences and population distribution. Fuguitt GV, et al. **Demography** 12(3):491–504, Aug 75

Human factors in urban transportation systems. Hoag LL, et al. **Hum Factors** 17(2):119–31, Apr 75

A note on marital distances and movement, and age at marriage, in a group of Oxfordshire villages. Jeffries DJ, et al. **J Biosoc Sci** 8(2):155–60, Apr 76

Variables associated with the winter camping location of elderly recreational vehical owners in southwestern Arizona. Born TJ. **J Gerontol** 31(3):346–51, May 76

Housing characteristics and the well-being of elderly tenants in federally assisted housing. Lawton MP, et al.
J Gerontol 30(5):601–7, Sep 75

Psychological and social correlates of life satisfaction as a function of residential constraint. Wolk S, et al.
J Gerontol 31(1):89–98, Jan 76

Changes in authoritarianism associated with university residence in the Arab Middle East. Diab LN, et al.
J Soc Psychol 97(Second Half):155–62, Dec 75

Letter: Clustering of malignant lymphoma and Hodgkin's diseases. Ramsey NM. **Med J Aust** 2(20):779–80, 15 Nov 75

Community health nurses' preferences for systems of protection. Keith PM, et al. **Nurs Res** 25(4):252–5, Jul–Aug 76

Nutrient intake of students in two different types of residences. Hagger DL. **Proc Nutr Soc** 34(3):119A, Dec 75

Neurotic wives in a modern residential suburb: a sociological profile. Ineichen B. **Soc Sci Med** 9(8–9):481–7, Aug–Sep 75

[Social psychiatry of residence conditions] pp. 207–14. Strotzka H.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

[Physical growth of children in relation to the size of the settlement] Lipková V, et al. **Z Gesamte Hyg** 22(2):134–6, Feb 76 (Eng. Abstr.) **(Ger)**

[Homeless men--a sociopsychiatric and clinical study] Borg S. **Lakartidningen** 73(21):2035–7, 19 May 76 (Eng. Abstr.) **(Swe)**

RESIDENCY, MEDICAL see **INTERNSHIP AND RESIDENCY**

RESIDENTIAL FACILITIES

Adolescent drug abuse: etiological and treatment considerations. Amini F, et al. **Adolescence** 11(42):281–99, Summer 76 (33 ref.)

Therapeutic process with adolescents at Anneewakee. Stewart H, et al. **Adolescence** 11(42):213–6, Summer 76

The hearing impaired in state institutions for the retarded: I. Prevalence, characteristics, and diagnosis. Brannan AC, et al. **Am Ann Deaf** 120(4):408–16, Aug 75

Letter: Regional adolescent unit. Steinberg D.
Br J Psychiatry 127:191–2, Aug 75

Point Pleasant Lodge: Halifax's answer to problems in medical accomodation. Shapter E. **Can Med Assoc J** 115(6):577–8, 18 Sep 76

The end of mentally handicapped childhood: problems of residential transfer and school leaving during adolescence. Woolf PG. **Child Care Health Dev** 1(3):167–77, May–Jun 75

A residence for mothers and their babies. Kreech F.
Child Welfare 54(8):581–92, Sep–Oct 75

Residents of intermediate care facilities now have a 'bill of rights'. **Geriatrics** 31(8):9, AUG 76

The institution as the cornerstone for alternatives to institutionalization. Kaplan J. **Gerontologist** 14(1):5, Feb 74

Alternatives to mental hospital treatment. Highlights from a conference in Madison, Wisconsin. Huey K.
Hosp Community Psychiatry 27(3):186–92, Mar 76

The Philadelphia geriatric center: many options to meet many needs. Liebowitz B, et al. **Hospitals** 49(20):101–6, 16 Oct 75

Zoning restrictions and the right to live in the community. pp. 305–55. Chandler JO, et al.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Peonage and involuntary servitude. pp. 563–90. Friedman P.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

The least restrictive alternative in residential care and the principle of normalization. pp. 499–514. Glenn L.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

A formative evaluation of a residential drug treatment center. Katz SJ, et al. **Int J Addict** 10(4):643–57, 1975

Elderly applicants to long-term care institutions. II. The application process; placement and care needs. Kraus AS, et al. **J Am Geriatr Soc** 24(4):165–72, Apr 76

A field survey on home environmental sanitation in two districts of Kaohsiung city, Taiwan. Chang TT, et al.
J Formosan Med Assoc 74(4):302–9, Apr 75

Inpatient care or outplacement: which is better for the psychiatric medically infirm patient? Watson CG.
J Gerontol 31(5):611–6, Sep 76

Group home program. Roets GA, et al. **J Psychiatr Nurs** 14(5):15–7, May 76

Essentials of active programming. Crosby KG.
Ment Retard 14(2):3–9, Apr 76

Study of a new frontier in community services: residential facilities for the developmentally disabled. Oconnor G, et al. **Ment Retard** 13(4):35–9, Aug 75

The deinstitutional backlash. Payne JE. **Ment Retard** 14(3):43–5, Jun 76

On the transfer of the PMR. Rago V Jr. **Ment Retard** 14(2):27, Apr 76

A study of public residential facilities. Scheerenberger RC.
Ment Retard 14(1):32–5, Feb 76

A Machiavelli for planners: community attitudes and selection of a group home site. Sigelman CK.
Ment Retard 14(1):26–9, Feb 76

The unit management system: anatomy of structural change. Sluyter GV. **Ment Retard** 14(3):14–6, Jun 76
Rationale of a social center for employed limited adults. Benoit EP. **Monogr Am Assoc Ment Defic** (1):241–7, 1973
What's in a name? Windle C.
Monogr Am Assoc Ment Defic (1):19–25, 1973
Housing and residential accommodation. Aias RC.
Physiotherapy 60(8):239–43, Aug 74
Experience with a hostel for handicapped adolescents. Wenley WG. **Proc R Soc Med** 68(5):314–7, May 75
A housing association for psychiatric patients. Birley JL.
Psychiatr Q 48(4):568–71, 1974
Letter: Custodial care—a legitimate service? Rosenblatt A.
Schizophrenia Bull 14:5–6, Fall 75
Measures of chronic illness among residents of nursing and personal care homes, United States, June–August 1969. Ingram DK. **Vital Health Stat** Series 12(24):1–65, Mar 74
[The purposes of the mental institution within the system of care of the mentally handicapped (author's transl)] Stöckmann F. **Oeff Gesundheitswes** 38(2):117–20, Feb 76 (Eng. Abstr.) **(Ger)**
[Ecology of HBsAg in an institution for the mentally retarded and muscular dystrophy (author's transl)] Kashiwagi S.
Jpn J Clin Pathol 23(9):701–3, Sep 75 **(Jpn)**
[Criteria of the effectiveness of the stay of children and adolescents at specialized boarding-schools] Berezovs'kyĭ BA, et al. **Pediatr Akush Ginekol** (6):23–4, Nov–Dec 75 **(Ukr)**

HISTORY

Reared in adversity: institutional care of children in the 18th century. Radbill SX. **Am J Dis Child** 130(7):751–61, Jul 76

STANDARDS

Judicial, legislative, and administrative competence in setting institutional standards. pp. 528–62. Johnson RH, et al.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.
[Studies on questions of hygiene in hotels and other overnight lodgings] Liebetrau B, et al. **Z Gesamte Hyg** 21(10):754–9, Oct 75 (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

'In the long term we are all dead'. Bosanquet N.
Nurs Times 71(44):1726–7, 30 Oct 75

RESIDENTIAL MOBILITY

What are the basic costs of moving? Sloane L.
Am J Nurs 76(4):649, Apr 76
Letter: Comment of M.J. Greenwood's 'simultaneity bias in migration models: an empirical examination'. DaVanzo J.
Demography 13(3):411–5, Aug 76
Letter: Reply to Davanzo—comment on M.J. Greenwood's 'simultaneity bias in migration models: an empirical examination'. Greenwood MJ. **Demography** 13(3):417–8, Aug 76
Trends in return migration to the South. Long LH, et al.
Demography 12(4):601–14, Nov 75
Length of residence, social ties, and economic opportunities. Toney MB. **Demography** 13(3):297–309, Aug 76
Preventive mental health services for families new to the community. Heller M. **Hosp Community Psychiatry** 26(8):493–4, Aug 75
Demographic variables as predictors of outcome in psychotherapy with children. Frey J 3d, et al.
J Clin Psychol 32(3):713–21, Jul 76
Maintenance of function in relocation of community-dwelling older adults. Storandt M, et al.
J Gerontol 30(5):608–12, Sep 75
Black self-derogation and residential mobility. Kaplan HB.
J Health Soc Behav 16(3):283–90, Sep 75
Moving as perceived by executives and their families. Olive LE, et al. **J Occup Med** 18(8):546–50, Aug 76
Going to the doctor—attendances by members of 100 families in their first year in a new town. Bain DJ, et al.
J R Coll Gen Pract 25(160):821–7, Nov 75

RESIDENTIAL TREATMENT

Social adjustment in more severely retarded, institutionalized individuals: the sum of adjusted behavior. Balthazar EE, et al. **Am J Ment Defic** 80(4):454–9, Jan 76
Residential treatment of disturbed children and adequacy of their subsequent adjustment: a follow-up study. Davids A, et al. **Am J Orthopsychiatry** 46(1):62–73, Jan 76
Residential treatment today: the paradox of new premises. Goldsmith JM. **Am J Orthopsychiatry** 46(3):425–33, Jul 76
Severe personality disorders in an institutional setting. Abruzzi W. **Am J Psychoanal** 35(3):269–77, Fall 75
Therapeutic approaches to children in residential treatment. Changes from the mid-1950s to the mid-1970s. Davids A.
Am Psychol 30(8):809–14, Aug 75
Testing measures of the quality of residential care: a pilot study. Durward L, et al. **Behav Res Ther** 14(2):149–57, 1976
Effects of contingent management of addicts expecting commitment to a community based treatment program. Copemann CD, et al. **Br J Addict** 71(2):187–91, Jun 76
The need for residential care of the mentally handicapped. Kushlick A. **Br J Psychiatry** Spec No 9:377–83, 1975 (14 ref.)
Behavior modification as a therapeutic technique for use with parents of emotionally disturbed children in residential treatment. Goodman EO Jr. **Child Psychiatry Hum Dev** 6(1):38–46, Fall 75
The house McQuade built. Horowitz H. **Child Welfare** 55(3):221–5, Mar 76
The uses of residential care. Martin LH, et al.
Child Welfare 55(4):269–78, Apr 76
Behavioral change: program evaluation and staff feedback. Millman HL, et al. **Child Welfare** 54(10):692–702, Dec 75
Community families: an alternative to psychiatric hospital intensive care. Brook BD, et al.
Hosp Community Psychiatry 27(3):195–7, Mar 76
Some thoughts on parentectomy. Bentley J.
J Asthma Res 12(3):125–8, Mar 75
The ecology of child treatment. A developmental/educational approach to the therapeutic milieu. Whittaker JK. **J Autism Child Schizo** 5(3):223–37, Sep 75
Attendant staff speech to the institutionalized retarded: language use as a measure of the quality of care. Pratt MW, et al. **J Child Psychol Psychiatry** 17(2):133–43, Apr 76
Effects of residential evaluation and rehabilitation placement on children's state-trait anxiety. Brook RM, et al.
J Clin Psychol 32(1):57–9, Jan 76
Subnormals under community and hospital care. Mackay DN, et al. **J Ment Defic Res** 19(1):21–8, Mar 75
A medical assessment of former drug misusers undergoing residential rehabilitation. Coppin AF.
J R Coll Gen Pract 24(145):557–67, Aug 74
A brighter future. Averill S. **MH** 60(1):14–6, Spring 76
A multidisciplinary approach to the treatment of child abuse. Fontana VJ, et al. **Pediatrics** 57(5):760–4, May 76
Mental illness in the elderly. Robinson RA. **Physiotherapy** 62(5):155–7, May 76
[Possibilities of stationary treatment for addicts] Wanke K.
Rehabilitation (Bonn) 28(1–2):4–13, 1975 **(Ger)**
[Psychotherapy and drugs—with special reference to the hospital treatment of schizophrenia] Ishii T.
Psychiatr Neurol Jpn 76(10):678–80, 25 Oct 74 **(Jpn)**

METHODS

PACE: a residential, community oriented behavior modification program for adolescents. Wagner BR, et al.
Adolescence 10(38):277–86, Summer 75
The social climate of alcoholism treatment programs. Bromet EJ, et al. **Arch Gen Psychiatry** 33(8):910–6, Aug 76
The resource family: helping emotionally disturbed children in residential treatment. Moran MJ, et al. **Child Today** 4(6):26–9, 35, Nov–Dec 75
[Problems in institutional therapy] Flegel H. **Nervenarzt** 46(5):229–32, May 76 **(Ger)**
[The integration of methods in residential psychotherapy] Höck K. **Psychiatr Neurol Med Psychol (Leipz)** 27(7):385–91, Jul 75 (Eng. Abstr.) **(Ger)**

STANDARDS

Measuring the quality of residential care. Whatmore R, et al. **Behav Res Ther** 13(4):227–36, Oct 75
Program evaluation in residential treatment: some practical issues. Johnson HL, et al. **Child Welfare** 55(4):279–87, Apr 76

RESIDUAL VOLUME see under **LUNG VOLUME MEASUREMENTS**

RESINAT see under **ION EXCHANGE RESINS**

RESINS

Resin hemoperfusion for acute drug intoxication. Rosenbaum JL, et al. **Arch Intern Med** 136(3):263–6, Mar 76
Estimation of testosterone binding capacity in the serum with hydrophobie resin. Kawamoto H. **Endocrinol Jpn** 23(2):173–8, Apr 76
A new method for serially mounting resin sections (Spurr) for light microscopy. Burnett BR. **Stain Technol** 50(4):288–90, Jul 75
[Blood group like substances in amber, other natural resins and in domestic conifer needles] Gibb B.
Acta Biol Med Ger 34(5):937–40, 1975 **(Ger)**
[Clinical experience with cast resins in orthopedic technology] Krieghoff R. **Polim Med** 4(3):209–14, 1974 (Eng. Abstr.) **(Ger)**
[Determination of the makeup of the gaseous discharges from the processes of wood resin working] Kirillova NN, et al.
Gig Sanit (3):69–71, Mar 76 **(Rus)**

ADMINISTRATION & DOSAGE

Anti-smoking lozenge. Seltzer AP. **J Natl Med Assoc** 67(4):311–3, Jul 75

ADVERSE EFFECTS

Contact dermatitis from propolis. Wanscher B.
Br J Dermatol 94(4):451–5, Apr 76

ANALYSIS

High-pressure liquid chromatographic determination of vitamin D3 in resins, oils, dry concentrates, and dry concentrates containing vitamin A. Hofsass H, et al.
J Assoc Off Anal Chem 59(2):251–60, Mar 76
Minor components of cannabis resin. VI. Mass spectrometric data and gas chromatographic retention times of components eluted after cannabinol. Strömberg L.
J Chromatogr 121(2):313–22, 23 JUN 76
[Determination of a colophony aerosol in the air] Osina SA.
Gig Tr Prof Zabol (7):55–7, Jul 75 **(Rus)**
[Physicochemical and microbiological studies and the quantitative determination of a water-soluble polyphenolic preparation of propolis] Tikhonov AI, et al. **Farm Zh** 30(3):42–8, 1975 (Eng. Abstr.) **(Ukr)**

ISOLATION & PURIFICATION

A note on tragacanth of Turkish origin. Geçgil AS, et al.
Planta Med 27(3):284–6, May 75

PHARMACODYNAMICS

The effect of oral doses of a polythiol resin on the excretion of methylmercury in mice treated with cysteine, D-penicillamine or phenobarbitone. Magos L, et al.
Chem Biol Interact 14(3–4):325–35, Aug 76
Antimicrobial action of galbanum. Vaziri A. **Planta Med** 28(4):370–3, Dec 75
[The action of propolis on saccharomycetes] Cižmárik J, et al. **Pharmazie** 30(6):406–7, Jun 75 **(Ger)**

THERAPEUTIC USE

Sterculia bulk-forming agent with smooth-muscle relaxant versus bran in diverticular disease. Srivastava GS, et al.
Br Med J 1(6005):315–8, 7 Feb 76

RESINS, SYNTHETIC

New polyester resins for corrosion casting and block embedding. Tompsett D. **Ann R Coll Surg Engl** 58(3):243–4, May 76
Adsorption of tryptophan metabolites from physiological fluids on XAD-2 and determination by single ion monitoring. Segura J, et al. **Biomed Mass Spectrom** 3(2):91–6, Apr 76
Separation of nucleic acid hydrolysis products, purines, pyrimidines, nucleosides, nucleotides, ribonucleic acid hydrolyzates, and mixtures from nucleotide syntheses by column chromatography on amberlite XAD-4. Emematsu K, et al. **J Chromatogr** 123(2):347–74, 4 Aug 76
Short-term stress-relaxation behavior of nonmetallic restoratives. Hertert RS, et al. **J Dent Res** 54(6):1149–53, Nov–Dec 75
Automated centrifuge for pour resins. Winkler S, et al.
J Dent Res 54(4):909, Jul–Aug 75
The differential elution of drugs from XAD-2 resin. Pranitis PA, et al. **J Forensic Sci** 20(4):726–300, Oct 75
The use of a self-polymerizing resin with enamel etchant for temporary stabilization. Vogel RI. **J Periodontol** 47(2):69–71, Feb 76
[Total isoelastic hip prosthesis implanted without cement. Initial results] Morscher E, et al. **Acta Orthop Belg** 40(5–6):639–47, 1974 **(Fre)**
[Application examples for embedding of neuroanatomic sections in casting polyester resins] Knebel R, et al.
Verh Anat Ges 69:871–2, 1975 **(Ger)**
[Clinical studies on cystoplasty. A study on cystoplasty by regeneration in some cases of tumor of bladder using Novectane (liquid synthetic resin)—sprayed thin paper (2) (author's transl)] Taguchi H, et al. **Jpn J Urol** 67(4):248–57, Apr 76 (Eng. Abstr.) **(Jpn)**
[Production of corrosion preparations from polyester resins SKPS-2 and SKPS-2A] Ostroverkhov GE, et al.
Arkh Anat Gistol Embriol 70(4):107–8, Apr 76 **(Rus)**

ADVERSE EFFECTS

[New allergens of the group of resins in shoe contact dermatitis] Sagrera CR, et al. **Med Cutan Iber Lat Am** 2(3):201–12, 1974 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Release of histamine from lung tissue in vitro by dimethylhydantoin-formaldehyde resin and polyvinylpyrrolidone. Nicholls PJ. **Br J Ind Med** 33(2):127–9, May 76
[Effect of resins on SKN-26 butadienenitril rubber base on the functional state of the kidneys] Shakina LS, et al.
Vrach Delo (10):138–40, Oct 75 **(Rus)**

POISONING

Airway disease caused by phenolic (phenol-formaldehyde) resin exposure. Schoenberg JB, et al.
Arch Environ Health 30(12):574–7, Dec 75

TOXICITY

[Hygienic study of self-extinguishing polyester resin-based glass plastic] Ilichkin VS, et al. **Gig Sanit** (3):115, Mar 76 **(Rus)**
[Approaches to the hygienic evaluation of resins containing tetramethylthiuram disulfide and intended for contact with food products] Stankevich VV, et al. **Gig Sanit** (1):22–4, Jan 76 (Eng. Abstr.) **(Rus)**
[Toxicity and maximum permissible concentration of a complex of volatile products of neoleucorite (phenol formaldehyde) resin] Nagornyĭ PA, et al.
Gig Tr Prof Zabol (8):37–40, Aug 75 (Eng. Abstr.) **(Rus)**
[Toxicity and maximum permissible concentration of a

complex of volatile products of aqueous-lacquer phenolformaldehyde resin] Nagornyĭ PA, et al. **Vrach Delo** (12):112-3, Dec 75 (Eng. Abstr.) **(Rus)**

RESISTOPEN see **OXACILLIN**

RESMETHRIN see under **PYRETHRUM**

RESORCINOLS

Transcervical fallopian tube blockage with gelatin-resorcinol-formaldehyde (GRF). pp. 208-15. Falb RD, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Regiospecific 2,4-diiodination of resorcinol with nascent iodine. Weitl FL. **J Org Chem** 41(11):2044-5, 28 May 76

[G.R.F. biologic glue applied to hepatectomies in rats. Action on hemostasis. Tissue tolerance] Weisgerber G, et al. **J Chir (Paris)** 108(5):485-500, Nov 74 **(Fre)**

[Reactions of tartaric acid with resorcinol (author's transl)] Auterhoff H, et al. **Arch Pharm (Weinheim)** 309(5):409-13, 1976 (Eng. Abstr.) **(Ger)**

[Use of the orcin reaction for the simultaneous determination of the RNA and DNA content in tissues] Bezrobnyĭ IuV, et al. **Ukr Biokhim Zh** 48(2):239-43, Mar-Apr 76 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Data on determination of toxin F-2 (zearalenone)by high-pressure liquid, gas and thin-layer chromatography. Kovács F, et al. **Acta Vet Acad Sci Hung** 25(2-3):223-30, 1975

Simple method for simultaneous detection of aflatoxin and zearalenone in corn. Seitz LM, et al. **J Assoc Off Anal Chem** 59(1):106-9, Jan 76

Determination of zearalenone in corn: collaborative study. Shotwell OL, et al. **J Assoc Off Anal Chem** 59(3):666-70, May 76

Survey for aflatoxins and zearalenone in 1973 crop corn stored on farms and in country elevators. Stoloff L, et al. **J Assoc Off Anal Chem** 59(1):118-21, Jan 76

Screening method for the detection of aflatoxin, ochratoxin, zearalenone, penicillic acid, and citrinin. Wilson DM, et al. **J Assoc Off Anal Chem** 59(1):125-7, Jan 76

[Determination of zeranol in meat (author's transl)] Ingerowski GH, et al. **Z Lebensm Unters Forsch** 157(4):189-95, 7 Apr 75 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the degradation of salicylic acid by Aspergillus nidulans. Ramanarayanan M, et al. **Indian J Exp Biol** 13(4):393-6, Jul 75

Zearalenol and 8'-hydroxyzearalenone from Fusarium roseum. Stipanovic RD, et al. **Mycopathologia** 57(2):77-8, 23 Dec 75

METABOLISM

Metabolism of zearalenone by Fusarium roseum Graminearum. Steele JA, et al. **J Agric Food Chem** 24(1):89-97, Jan-Feb 76

Metabolism of resorcinylic compounds by bacteria: orcinol pathway in Pseudomonas putida. Chapman PJ, et al. **J Bacteriol** 125(3):975-84, Mar 76

Metabolism of resorcinylic compounds by bacteria: alternative pathways for resorcinol catabolism in Pseudomonas putida. Chapman PJ, et al. **J Bacteriol** 125(3):985-98, Mar 76

PHARMACODYNAMICS

Teratological evaluation of zearalenone administered orally to the rat. Ruddick JA, et al. **Bull Environ Contam Toxicol** 15(6):678-81, Jun 76

Toxicological approaches to the metabolites of Fusaria. VII. Effects of zearalenone on the uteri of mice and rats. Ueno Y, et al. **Chem Pharm Bull (Tokyo)** 22(12):2830-5, Dec 74

Errors of chromosome segregation induced by Olivetol, a compound with the structure of C-ring common to cannabinoids: formation of bridges and multipolar divisions. pp. 265-71. Morishima A, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.

Toxicological approaches to the metabolites of Fusaria. X. Accelerating effect of zearalenone on RNA and protein syntheses in the uterus of ovariectomized mice. Ueno Y, et al. **Jpn J Exp Med** 45(3):199-205, Jun 75

[The G.R.F. glue in stomatology, present technics for its utilization] Henry F, et al. **Rev Stomatol Chir Maxillofac** 76(7):559-61, Nov 75 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Treatment of the menopausal syndrome with a new non-steroid estrogen-like drug: P-1496. Eckerling B, et al. **Panminerva Med** 18(7-8):263-7, Jul-Aug 76

[Hemostasis in tooth extraction with a resorcin-formol gel paste] Henry F. **Rev Stomatol Chir Maxillofac** 77(2):307-9, Mar 76 **(Fre)**

[Long-term treatment of postmenopausal disroders using a new 'nonsteroid estrogen' (P 1496). Double-blind study in comparison with a placebo] Geiser B, et al. **Gynaekol Rundsch** 15(3):250-6, 1975 **(Ger)**

[Clinical experiences with a new steroid-free preparation for management of the postmenopausal symptom complex] Kress D, et al. **Med Monatsschr** 29(6):272-4, Jun 75 **(Ger)**

[Use of 6-(10-dihydroxyundecyl)-beta-resorcylic acid mu-lactone in the therapy of the climacteric syndrome and menopause] Locardi G, et al. **Minerva Ginecol** 27(9):754-72, Sep 75 (Eng. Abstr.) **(Ita)**

[Usefulness of various methods in the treatment of rosacea in the light of personal studies] Prochacki H, et al. **Przegl Dermatol** 62(5):709-13, Sep-Oct 75 (Eng. Abstr.) **(Pol)**

[Acne: clinical experience with a new specific preparation] Delgray SN. **Actas Dermosifiliogr** 66(7-8):395-406, Jul-Aug 75 **(Spa)**

TOXICITY

Investigation of the cytotoxic effect of F-2 toxin (zearalenone) in various monolayer cell cultures. Ványi A, et al. **Acta Vet Acad Sci Hung** 24(4):407-12, 1974

Pathologie changes in endocrine glands and certain other tissues of lambs implanted with the synthetic growth promotant zeranol. Rothenbacher H, et al. **Am J Vet Res** 36(9):1313-7, Sep 75

Growth of broilers and quail fed Fusarium (Gibberella zeae)-infected corn and zearalenone (F-2). Bacon CW, et al. **Poult Sci** 55(4):1531-5, Jul 76

URINE

Urinary quinol and orcinol outputs as indices of voluntary intake of heather (Calluna vulgaris L. (Hull)) by sheep. Martin AK, et al. **Proc Nutr Soc** 34(2):70A-71A, Sep 75

RESORTS see **HEALTH RESORTS**

RESPIRATION

see related
APNEA
BREATHING EXERCISES
DYSPNEA

The effect of respiratory frequency on pulmonary function during artificial ventilation. A review. Hedenstierna G. **Acta Anaesthesiol Scand** 20(1):20-31, 1976 (31 ref.)

Breathing mechanics, dead space and gas exchange in the extremely obese, breathing spontaneously and during anaesthesia with intermittent positive pressure ventilation. Hedenstierna G, et al. **Acta Anaesthesiol Scand** 20(3):248-54, 1976

Continuous measurement of arterial PO2, PCO2 and pH during autotransplantation of canine hearts. Jacobsen E, et al. **Acta Anaesthesiol Scand** 19(4):265-76, 1975

Anesthesia for cesarean section II: effects of the induction-delivery interval on the respiratory adaptation of the newborn in elective cesarean section. Magno R, et al. **Acta Anaesthesiol Scand** 19(4):250-9, 1975

Anesthesia for cesarean section III: effects of epidural analgesia on the respiratory adaptation of the newborn in elective cesarean section. Magno R, et al. **Acta Anaesthesiol Scand** 20(1):73-82, 1976

A simple technique for the determination of the ventilatory response to rising arterial CO2 tensions, suitable for patients with neurological disorders. Brandt L, et al. **Acta Anaesthesiol Scand [Suppl]** :34-8, 1975

A comparison between measured and calculated changes in the lung function after operation for pulmonary cancer. Juhl B, et al. **Acta Anaesthesiol Scand [Suppl]** :39-45, 1975

Computer-assisted evaluation of intracranial pressure during the hyperventilation test. Szewczykowski J, et al. **Acta Med Pol** 17(2):149-53, 1976

Beta1-blocker (practolol) and exercise in patients with chronic obstructive lung disease. Schaanning J, et al. **Acta Med Scand** 199(1-2):61-4, 1976

The significance of afferent vagal information in the control of breathing in guinea pigs. Glogowska M. **Acta Neurobiol Exp (Warsz)** 35(2):139-47, 1975

Respiration and acid-base balance of blood after diffuse experimental brain injury. Valtonen S. **Acta Neurochir (Wien)** 32(1-2):3-12, 1975

Readaptation time after photo stress. Readaptation time as a function of oxygen concentration. Tengroth B, et al. **Acta Ophthalmol (Kbh)** 54(4):507-16, Aug 76

Lung volumes in scoliosis before and after correction by the Harrington instrumentation method. Lindh M, et al. **Acta Orthop Scand** 46(6):934-48, Dec 75

Respiratory function, cardiovascular dimensions and work capacity in boys with bronchial asthma. Bevegård S, et al. **Acta Paediatr Scand** 65(3):289-96, May 76

Control of respiration in newborn babies. III. Developmental changes of respiratory depth and rate responses to CO2. Bodegård G. **Acta Paediatr Scand** 64(5):684-92, Sep 75

Control of respiration in newborn babies. IV. Rib cage stability and respiratory regulation. Bodegård G. **Acta Paediatr Scand** 65(2):257-66, Mar 76

The effect of feeding on oxygen consumption, RQ and plasma levels of glucose, FFA, and D-beta-hydroxybutyrate in newborn infants of diabetic mothers and small for gestational age infants. Gentz J, et al. **Acta Paediatr Scand** 65(4):445-54, Jul 76

Neural control of breathing: a system analysis. Herczyński R, et al. **Acta Physiol Pol** 27(2):109-30, Mar-Apr 76

The effects of CO2 on the components of breathing pattern. Romaniuk JR, et al. **Acta Physiol Pol** 27(3):215-33, May-Jun 76

The importance of asphyxia for the development of diving bradycardia in ducks. Blix AS. **Acta Physiol Scand** 95(1):41-5, Sep 75

Time courses of pulmonary gas exchange and heart rate changes in supine exercise. Karlsson H, et al. **Acta Physiol Scand** 95(3):329-40, NOV 75

Effects of lesions in the parabrachial nucleus on the mechanisms for central and reflex termination of inspiration in the cat. von Euler C, et al. **Acta Physiol Scand** 96(3):324-37, Mar 76

Temperature effects on the inflation reflex during expiratory time in the cat. von Euler C, et al. **Acta Physiol Scand** 96(3):338-50, Mar 76

Excitability changes of the inspiratory 'off-switch' mechanism tested by electrical stimulation in nucleus parabrachialis in the cat. von Euler C, et al. **Acta Physiol Scand** 97(2):175-88, Jun 76

Differentiation between oxygen and heart rate influence on spatial angles of time-integrated vectors. von Mengden HJ, et al. **Adv Cardiol** 16:382-5, 1976

The influence of inspiration on angina pectoris: a clue to right coronary artery disease. Buda A, et al. **Am Heart J** 92(4):537, Oct 76

Paradoxical pulse-revisited. Reeve R, et al. **Am Heart J** 92(1):120-1, Jul 76

Fetal breathing movements and ultrasound. Fox HE. **Am J Dis Child** 130(2):127-9, Feb 76 (18 ref.)

The mechanism of increase in total lung capacity during acute asthma. Peress L, et al. **Am J Med** 61(2):165-9, Aug 76

Decreased hypoxic ventilatory drive in the obesity-hypoventilation syndrome. Zwillich CW, et al. **Am J Med** 59(3):343-8, Sep 75

To lessen pain: relaxation and rhythmic breathing. Stewart E. **Am J Nurs** 76(6):958-9, Jun 76

Ventilatory and blood gas changes during laparoscopy with local anesthesia. Brown DR, et al. **Am J Obstet Gynecol** 124(7):741-5, 1 Apr 76

Fetal respiration: quantitative measurements of amnionic fluid inspired near term by human and rhesus fetuses. Duenhoelter JH, et al. **Am J Obstet Gynecol** 125(3):306-9, 1 Jun 76

Respiratory function in pregnant obese women. Eng M, et al. **Am J Obstet Gynecol** 123(3):241-5, 1 Oct 75

Cardiovascular changes associated with fetal breathing. Fouron JC, et al. **Am J Obstet Gynecol** 123(8):868-76, 15 Dec 75

Breathing patterns before death in fetal lambs. Patrick JE, et al. **Am J Obstet Gynecol** (1):73-8, 1 May 76

Importance of pulmonary ventilation in respiratory control in the bullfrog. Gottlieb G, et al. **Am J Physiol** 230(3):608-13, Mar 76

Electromyographic response of respiratory muscles during elastic loading. Kelsen SG, et al. **Am J Physiol** 230(3):675-83, Mar 76

Blood oxygen affinity and alveolar ventilation in relation in body weight in mammals. Lahiri S. **Am J Physiol** 229(2):529-36, Aug 75

Effect of carotid sinus nerve stimulation pattern on cardiorespiratory responses. Levy MN, et al. **Am J Physiol** 230(4):951-8, Apr 76

Effects of potassium depletion on control of breathing in awake rats. Nattie EE, et al. **Am J Physiol** 231(2):588-92, Aug 76

Ventilatory response to hypercapnia in the larger spotted dogfish Scyliorhinus stellaris. Randall DJ, et al. **Am J Physiol** 230(3):590-4, Mar 76

Tachypnea after stimulation of afferent cardiac sympathetic nerve fibers. Uchida Y. **Am J Physiol** 230(4):1003-7, Apr 76

Metabolic and respiratory responses during Helox-induced hypothermia in the white rat. Wang LC, et al. **Am J Physiol** 229(4):890-5, Oct 75

Ventilatory patterns after vertical and transverse upper abdominal incisions. Williams CD, et al. **Am J Surg** 130(6):725-8, Dec 75

Ventilatory defects in atypical mycobacteriosis. A comparison study with tuberculosis. Ahn CH, et al. **Am Rev Respir Dis** 113(3):273-9, Mar 76

Relationship of constitutional factors and cigarette smoking to decrease in 1-second forced expiratory volume. Barter CE, et al. **Am Rev Respir Dis** 113(3):305-14, Mar 76

Effects of rhinovirus infection of pulmonary function of healthy human volunteers. Blair HT, et al. **Am Rev Respir Dis** 114(1):95-102, Jul 76

The effect of smoking cessation and modification on lung function. Buist AS, et al. **Am Rev Respir Dis** 114(1):115-22, Jul 76

Bronchial obstruction by incorporation of aspirated vegetable material in the bronchial wall. Chopra S, et al. **Am Rev Respir Dis** 112(5):717-20, Nov 75

Relationship of arterial-alveolar nitrogen tension to alveolar-arterial oxygen tension, lung volume, flow measurements, and diffusing capacity in cystic fibrosis. Corbet A, et al. **Am Rev Respir Dis** 112(4):513-9, Oct 75

Regional lung function in chronic pulmonary congestion with and without mitral stenosis. Dawson A, et al. **Am Rev Respir Dis** 113(1):51-9, Jan 76

Prognosis after recovery from adult respiratory distress syndrome. Lakshminarayan S, et al. **Am Rev Respir Dis** 113(1):7-16, Jan 76

The effect of acute, intensive cigarette smoking on maximal expiratory flows and the single-breath nitrogen washout trace. McCarthy DS, et al. **Am Rev Respir Dis** 113(3):301–4, Mar 76

Effect of modification of the smoking habit on lung function. McCarthy DS, et al. **Am Rev Respir Dis** 114(1):103–13, Jul 76

Letter: Horizontal gradient in ventilation distribution due to a localized chest wall abnormality. Minh VD, et al. **Am Rev Respir Dis** 112(5):744–5, Nov 75

General anesthesia and the lung. Rehder K, et al. **Am Rev Respir Dis** 112(4):541–63, Oct 75 (164 ref.)

Accurate volume ventilation of neonates with maintenance of humidification. Campbell DI, et al. **Anaesth Intensive Care** 3(4):295–8, Nov 75

Nonivasive assessment by capacitance respirometry of respiration before and after extubation. Colgan FJ, et al. **Anesth Analg (Cleve)** 54(6):807–13, Nov–Dec 75

Effect of mechanical ventilation with end-inspiratory pause on blood-gas exchange. Fuleihan SF, et al. **Anesth Analg (Cleve)** 55(1):122–30, Jan–Feb 76

Effect of position (semirecumbent versus supine) on postoperative oxygenation in markedly obese subjects. Vaughan RW, et al. **Anesth Analg (Cleve)** 55(1):37–41, Jan–Feb 76

Cardiovascular and respiratory changes in response to change of posture in the very obese. Paul DR, et al. **Anesthesiology** 45(1):73–8, Jul 76

Effect of abdominal compression on minute ventilation of patients with chronic obstructive lung disease and bronchial asthma. Barach AL. **Ann Allergy** 36(4):231–45, Apr 76

Factorial analysis of the cardiovascular responses to carotid sinus nerve stimulation. Levy MN, et al. **Ann Biomed Eng** 4(2):111–27, Jun 76

Disappearance of tracheobronchial fluid at birth in the lamb. Hirvonen L, et al. **Ann Chir Gynaecol Fenn** 64(3):170–5, 1975

Pulmonary function in tetraplegic and paraplegic patients. Kokkola K, et al. **Ann Clin Res** 7(2):76–9, Apr 75

Pulmonary function follow-up to 120 patients with sarcoidosis. Colp C, et al. **Ann NY Acad Sci** 278:301–7, 1976

Analysis of aerosol decay during breath-holding. Beeckmans JM. **Ann Occup Hyg** 18(2):161–72, Sep 75

Nasal-cardiopulmonary reflexes: a role of the larynx. Jackson RT. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):65–70, Jan–Feb 76

Hypothermia and rewarming by peritoneal dialysis and temperature-controlled inhalate. Sperling DR, et al. **Ann Thorac Surg** 21(2):151–7, Feb 76

Pulmonarygas exchange. Forster RE, et al. **Annu Rev Physiol** 38:69–93, 1976 (88 ref.)

Comparative physiology: gas exchange and circulation in fishes. Johansen K. **Annu Rev Physiol** 33:569–612, 1971 (338 ref.)

Respiration: alveolar gas exchange. Piiper J, et al. **Annu Rev Physiol** 33:131–54, 1971 (49 ref.)

Response in the newborn to raised upper airway resistance. Purcell M. **Arch Dis Child** 51(8):602–7, Aug 76

Clinical application of regional lung function studies in infants and small children using 13N. Ronchetti R, et al. **Arch Dis Child** 50(8):595–603, Aug 75

Effect of feeding on ventilation and respiratory mechanics in newborn infants. Yu VY, et al. **Arch Dis Child** 51(4):310–3, Apr 76

Cardiorespiratory response to feeding in newborn infants. Yu VY. **Arch Dis Child** 51(4):305–9, Apr 76

Rapid regular respiration in unconscious patients. Leigh RJ, et al. **Arch Neurol** 33(5):356–61, May 76

Shy-Drager syndrome with abnormal respirations and antidiuretic hormone release. Lockwood AH. **Arch Neurol** 33(4):292–5, Apr 76

Surgery to prevent aspiration. Montgomery WW. **Arch Otolaryngol** 101(11):679–82, Nov 75

Dilator naris function: a useful test of facial nerve integrity. Sasaki CT, et al. **Arch Otolaryngol** 102(6):365–7, Jun 76

Low-level dynamic exercises for earlier cardiac rehabilitation: aerobic and hemodynamic responses. Lerman J, et al. **Arch Phys Med Rehabil** 57(8):355–60, Aug 76

Responses to the lowering of magnesium and calcium concentrations in the cerebrospinal fluid of unanesthetized sheep. Allsop TF, et al. **Aust J Biol Sci** 28(5–6):475–81, Dec 75

Associations between psychological factors and pulmonary toxicity during intermittent oxygen breathing at 2 ATA. Biersner RJ, et al. **Aviat Space Environ Med** 47(2):173–6, Feb 76

Cardiorespiratory responses to orthostasis and the effects of propranolol. Loeppky JA. **Aviat Space Environ Med** 46(9):1164–9, Sep 75

Biomedical aspects of oxygen regulator performance: II. dynamic characteristics. Zalesky PJ, et al. **Aviat Space Environ Med** 47(5):495–502, May 76

A comparative trial of exposure and respiratory relief therapies. Orwin A, et al. **Behav Res Ther** 13(4):205–14, Oct 75

A model of the central and reflex inhibition of inspiration in the cat. Bradley GW, et al. **Biol Cybern** 19(2):105–16, 8 Aug 75

A network model for control of inspiratory cutoff by the pneumotaxic center with supportive experimental data in cats. Feldman JL. **Biol Cybern** 21(3):131–8, 10 Jan 76

Pressure volume curves of lamb lungs and the lecithin–sphingomyelin ratios of lung fluid. Egberts J, et al. **Biol Neonate** 27(3–4):208–20, 1975

The effects of continuous positive airway pressure on lung mechanics and lung volumes in the neonate. Saunders RA, et al. **Biol Neonate** 29(3–4):178–86, 1976

New ultrasonic device for monitoring foetal breathing movements. Mariśál K, et al. **Biomed Eng** 11(2):47–52, Feb 76

Automated rodent respiratory monitor and histogram computer- a preliminary report. Decker JR, et al. **Biomed Sci Instrum** 12:7–13, 3–5 May 76

Mass spectrometer for multiple respiratory gas analysis. Stout RL, et al. **Biomed Tech (Stuttg)** 20(5):165–71, Oct 75

Power spectrum of the respiratory system. Frome EL, et al. **Biometrics** 32(2):423–8, JUN 76

Problems of control of breathing in air-breathers and in water-breathers. Dejours P. **Boll Soc Ital Biol Sper** 51(18 Pt2):1–15, 30 Oct 75

Inhibition of demand pacemakers caused by potentials associated with inspiration. Peter T, et al. **Br Heart J** 38(2):211–2, Feb 76

Haemodynamic effects of pulmonary ventilation. Conway CM. **Br J Anaesth** 47(7):761–6, Jul 75

An experimental study of gaseous homeostasis and the Magill circuit using low fresh gas flows. Conway CM, et al. **Br J Anaesth** 48(5):447–55, May 76

A theoretical study of gaseous homeostasis in the Magill circuit. Conway CM. **Br J Anaesth** 48(5):441–5, May 76

Ventilatory response to carbon dioxide in patients with homozygous sickle-cell disease. Elegbeleye OO, et al. **Br J Anaesth** 48(3):249–52, Mar 76

Letter: Acid pulmonary aspiration. Roberts RB. **Br J Anaesth** 47(11):1230, Nov 75

Proceedings: Circulatory and respiratory effects of positive end expiratory pressure. Samuel IO, et al. **Br J Anaesth** 48(8):816–7, Aug 76

Normal values for ventilatory function in Rhodesian Africans. Cookson JB, et al. **Br J Dis Chest** (2):107–11, Apr 76

Sleeping ventilatory patterns in patients with severe chronic airflow obstruction causing respiratory failure. Rodriguez-Roisin R, et al. **Br J Dis Chest** (2):138–40, Apr 76

The ventilatory cost of activity. Cotes JE. **Br J Ind Med** 32(3):220–3, Aug 75

Follow-up of ventilatory lung function in a group of cement workers. Saric M, et al. **Br J Ind Med** 33(1):18–24, Feb 76

Lung function in textile workers. Zuškin E, et al. **Br J Ind Med** 32(4):283–88, Nov 75

Cigarette smoking and fetal breathing movements. Manning FA, et al. **Br J Obstet Gynaecol** 83(4):262–70, Apr 76

Lung function tests in bronchial asthma during and after pregnancy. Sims CD, et al. **Br J Obstet Gynaecol** 83(6):434–7, Jun 76

Ultrasound recording of fetal breathing. Meire HB, et al. **Br J Radiol** 48(570):477–80, Jun 75

Proceedings: Respiratory function after oesophageal resection. Black J, et al. **Br J Surg** 62(8):656–7, Aug 75

Fetal breathing. Boddy K, et al. **Br Med Bull** 31(1):3–7, Jan 75

Analysis of the rhythm of infantile breathing. Hathorn MK. **Br Med Bull** 31(1):8–12, Jan 75

Letter: Ultrasonic monitoring of fetal respiratory movement. Meire HB. **Br Med J** 2(6028):175–6, 17 Jul 76

Letter: Respiratory function in rheumatoid arthritis. Schernthaner G, et al. **Br Med J** 4(5987):43, 4 Oct 75

Ultrasonic monitoring of fetal respiratory movement. Tremewan RN, et al. **Br Med J** 1(6023):1434–5, 12 Jun 76

Powerful inhibition of pontine respiratory neurons by pulmonary afferent activity. Feldman JL, et al. **Brain Res** 104(2):341–6, 12 Mar 76

Reflex respiratory response induced py chemical stimulation of muscle afferents. Mizumura K, et al. **Brain Res** 109(2):402–6, 11 Jun 76

Respiratory frequency as a function of preoptic temperature during sleep. Parmeggiani PL, et al. **Brain Res** 111(2):253–60, 30 Jul 76

'Bacon's mansion': the frustrations and rewards of respiratory physiology in the enlightenment. Hall DL. **Bull Hist Med** 50(2):151–73, Summer 76

Lung gas mixing during expiration following an inspiration of air. Davidson MR. **Bull Math Biol** 37(2):113–26, Apr 75

Monte Carlo simulation of simultaneous gas flow and diffusion in an asymmetric distal pulmonary airway model. Mon E, et al. **Bull Math Biol** 38(2):161–92, 1976

Proceedings: Reflex control of expiratory airflow and duration. Bartlett D Jr, et al. **Bull Physiopathol Respir (Nancy)** 11(2):100P–101P, Mar–Apr 75

Pulmonary function in sandblasters' silicosis. Jones RN, et al. **Bull Physiopathol Respir (Nancy)** 11(4):589–95, Jul–Aug 75

A temporary decrease in the ventilatory function of an urban population during an acute increase in air pollution. Lende R, et al. **Bull Physiopathol Respir (Nancy)** 11(1):31–43, Jan–Feb 75

Evolution of functional respiratory disorders in different types of pneumoconiosis. Marek K, et al. **Bull Physiopathol Respir (Nancy)** 11(4):597–610, Jul–Aug 75

Pulmonary function in miners working in British collieries: epidemiological investigations by the National Coal Board. Muir DC. **Bull Physiopathol Respir (Nancy)** 11(4):403–14, Jul–Aug 75

Impairment of pulmonary mixing in simple and complicated silicosis. Teculescu D, et al. **Bull Physiopathol Respir (Nancy)** 11(4):447–69, Jul–Aug 75

Physiological changes associated with unilateral pulmonary ventilation during operations on the lung. Bachand R, et al. **Can Anaesth Soc J** 22(6):659–64, Nov 75

Carbon dioxide output in anaesthesia. Bain JA, et al. **Can Anaesth Soc J** 23(2):153–62, Mar 76

A modification of the Bird Mark VIII ventilator to deliver continuous positive pressure breathing and intermittent mandatory ventilation. Frost GF, et al. **Can Anaesth Soc J** 22(6):719–22, Nov 75

Pulmonary shunting during anaesthesia in man. Stone JG, et al. **Can Anaesth Soc J** 22(6):647–52, Nov 75

Provision of endogenous and exogenous humidity for the Bain breathing circuit. Weeks DB. **Can Anaesth Soc J** 23(2):185–90, Mar 76

Longitudinal extension of the pulmonary trunk during breathing in young rabbits: a possible factor in elastin fragmentation. Smith PH. **Can J Physiol Pharmacol** 54(2):113–7, Apr 76

Interactions of respiration and the bradycardia of submersion in harbor seals. Tanji DG, et al. **Can J Physiol Pharmacol** 53(4):555–9, Aug 75

Buoyancy and aerial respiration: factors influencing the evolution of reduced swim-bladder volume of some Central American catfishes (Trichomycteridae, Callichthyidae, Loricariidae, Astroblepidae). Gee JH. **Can J Zool** 54(7):1030–7, Jul 76

The use of airway occlusion in infants. Bryan AC, et al. **Chest** 70(1 Suppl):142–5, Jul 76

The clinical assessment of the relative importance of mechanical defects and abnormalities of respiratory drive. Campbell EJ. **Chest** 70(1 Suppl):178–9, Jul 76

The clinical assessment of the chemical regulation of ventilation. Cherniack NS. **Chest** 70(2):274–81, Aug 76

Occlusion pressure as a technique in evaluating respiratory control. Cherniack NS, et al. **Chest** 70(1 Suppl):137–41, Jul 76

CO2 response: stimulus definition and limitations. Dempsey JA. **Chest** 70(1 Suppl):114–8, Jul 76

Quantification of electrical activity in the phrenic nerve in the study of ventilatory control. Eldridge FL. **Chest** 70(1 Suppl):154–7, Jul 76

Ventilatory response to carbon dioxide in humans. Fencl V. **Chest** 70(1 Suppl):113–4, Jul 76

The effect of respiratory motion on the echocardiogram. Fenichel NM, et al. **Chest** 69(5):655–9, May 76

Factors in the interpretation of mouth occlusion pressure during measurements of chemosensitivity. Fitzgerald RS, et al. **Chest** 70(1 Suppl):145–9, Jul 76

Assessment of Respiratory regulation in chronic hypercapnia. Goldring RM, et al. **Chest** 70(1 Suppl):186–91, Jul 76

Use of exercise in testing respiratory control mechanisms. Jones NL. **Chest** 70(1 Suppl):169–73, Jul 76

The electromyogram of the diaphragm in the investigation of human regulation of ventilation. Lopata M, et al. **Chest** 70(1 Suppl):162–5, Jul 76

Clinical methods for the study of regulation of breathing. Lourenço RV. **Chest** 70(1 Suppl):109–12, Jul 76

Unilateral lung function. Comparison of the lateral position test with radionuclide ventilation-perfusion studies. Marion JM, et al. **Chest** 69(1):5–9, Jan 76

Chest physiotherapy and the distribution of ventilation. Martin CJ, et al. **Chest** 69(2):174–8, Feb 76

Some implications of respiratory muscle function to tests of ventilatory regulation. Mead J. **Chest** 70(1 Suppl):149–50, Jul 76

Drive and timing components of ventilation. Milic-Emili J, et al. **Chest** 70(1 Suppl):131–3, Jul 76

Liquid ventilation of primates. Modell JH, et al. **Chest** 69(1):79–81, Jan 76

A test of the practical value of estimating breath sound intensity. Breath sounds related to measured ventilatory function. Pardee NE, et al. **Chest** 70(03):341–4, Sep 76

Measurement of ventilatory response to CO2 by rebreathing. Rebuck AS. **Chest** 70(1 Suppl):118–21, Jul 76

Analysis of ventilatory response. Remmers JE. **Chest** 70(1 Suppl):134–7, Jul 76

Measurement of the ventilatory response to hypoxia. A step hypoxia three-minute test. Severinghaus J, et al. **Chest** 70(1 Suppl):121–4, Jul 76

Proposed standard determination of ventilatory responses to hypoxia and hypercapnia in man. Severinghaus JW. **Chest** 70(1 Suppl):129–31, Jul 76

Respiratory muscle function and the use of respiratory muscle electromyography in the evaluation of respiratory regulation. Sharp JT, et al. **Chest** 70(1 Suppl):150–4, Jul 76

Techniques for measuring the responsiveness of the ventilatory apparatus in man in disease. Turino GM, et al. **Chest** 70(1 Suppl):180–5, Jul 76

Testing regulation of ventilation with exercise. Wasserman K. **Chest** 70(1 Suppl):173–8, Jul 76

Assessment of ventilatory response to hypoxia: methods and interpretation. Weil JV, et al. **Chest** 70(1 Suppl):124–8, Jul 76

Measurement of respiration in Arnold-Chiari malformation. Krieger AJ. **Childs Brain** 2(1):31–7, 1976

Lung carbonate dehydratase (carbonic anhydrase), CO2 stores and CO2 transport. Farhi LE, et al.

Ciba Found Symp (38):235–49, 1976
Breathing and sucking during feeding in the newborn. Johnson P, et al. **Ciba Found Symp** (33):119–35, 1975
Maintained stroke volume but impaired arterial oxygenation in man at high altitude with supplemental CO2. Grover RF, et al. **Circ Res** 38(5):391–6, May 76
Afferent neural pathway in the regulation of cardiopulmonary responses to tissue hypermetabolism. Liang CS, et al. **Circ Res** 38(3):209–14, Mar 76
Body position, electrode level, and respiration effects on the Frank lead electrocardiogram. Riekkinen H, et al. **Circulation** 53(1):40–5, Jan 76
Ventilation of the neurosurgical patient. Wyte SR. **Clin Neurosurg** 22:444–61, 1975 (74 ref.)
Changes in the carotid body and the ventilatory response to hypoxia in chronically hypoxic rats. Barer GR, et al. **Clin Sci Mol Med** 50(4):311–3, Apr 76
The forced expiratory time as a measure of small airway resistance. Burki NK, et al. **Clin Sci Mol Med** 51(1):53–8, Jul 76
Ventilatory response to carbon dioxide in tetanus. Elegbeleye OO, et al. **Clin Sci Mol Med** 50(1):83–6, Jan 76
The ventilatory response in severe metabolic acidosis. Fulop M. **Clin Sci Mol Med** 50(5):367–73, May 76
Assessment of responsiveness to carbon dioxide in patients with chronic airways obstruction by rate of isometric inspiratory pressure development. Matthews AW, et al. **Clin Sci Mol Med** 50(3):199–205, Mar 76
Effect of liver failure on the ventilatory response to hypoxia in man and the goat. Stanley NN, et al. **Clin Sci Mol Med** 50(1):25–35, Jan 76
Estimation of the resting reflex hypoxic drive to respiration in patients with diffuse pulmonary infiltration. Stockley RA, et al. **Clin Sci Mol Med** 50(2):109–14, Feb 76
Respiratory responses to simultaneous static and rhythmic exercises in humans. Wiley RL, et al. **Clin Sci Mol Med** 49(5):427–32, Nov 75
Two respiratory patterns in the budgerigar during flight at different ambient temperatures. Aulie A. **Comp Biochem Physiol [A]** 52(1):81–4, 1 Sep 75
Cardio–respiratory relationships during 'eupnoea' and respiratory arrhythmias in the Port Jackson shark, Heterodontus portusjacksoni. Capra MF. **Comp Biochem Physiol [A]** 53(3):259–62, 1976
Respiratory responses of Gillichthys mirabilis to changes in temperature, dissolved oxygen and salinity. Courtois LA. **Comp Biochem Physiol [A]** 53(1):7–10, Jan 76
Respiration rates and ATP concentrations in the excised gills of the blue crab as a function of salinity. Engel DW, et al. **Comp Biochem Physiol [A]** 52(4):669–73, 1 Dec 75
Respiratory responses to hypoxia by Ambystoma tigrinum larvae, paedomorphs, and metamorphosed adults. Heath AG. **Comp Biochem Physiol [A]** 55(1):45–9, 1976
Dive and breath hold metabolism of the brown water snake, Natrix taxispilota. Irvine AB, et al. **Comp Biochem Physiol [A]** 55(1):61–7, 1976
Direct PCO2 measurements in the dorso–bronchial gas of awake Peking ducks: evidence for a physiological role of the neopulmo in respiratory gas exchanges. Jammes Y, et al. **Comp Biochem Physiol [A]** 52(4):635–7, 1 Dec 75
The influence of body weight on gas exchange in the air–breathing fish, Clarias batrachus. Jordan J. **Comp Biochem Physiol [A]** 53(3):305–10, 1976
Body temperature, heart rate and respiration rate of an unrestrained domestic mallard duck, Anas platyrhynchos domesticus. Smith EN, et al. **Comp Biochem Physiol [A]** 54(1):19–20, 1976
Biology of Myotis thysanodes and M. lucifugus (Chiroptera: Vespertilionidae)—III. Metabolism, heart rate, breathing rate, evaporative water loss and general energetics. Studier EH, et al. **Comp Biochem Physiol [A]** 54(4):423–32, 1976
The establishment of lung ventilation in the avian embryo: the rate at which lungs become aerated. Vince MA, et al. **Comp Biochem Physiol [A]** 52(2):331–7, 1 Oct 75
Characterization of lung geometry from the single–breath nitrogen washout test. Baker L, et al. **Comput Biomed Res** 8(3):254–66, Jun 75
Respiratory response of intact Gallus domesticus to sinusoidally varying inhaled carbon dioxide. Parker TK, et al. **Comput Programs Biomed** 6(2):101–7, Jul 76
The respiratory control of the heartbeat. The First Louis H. Nahum Lecture: I. Hoff HE, et al. **Conn Med** 39(7):421–7, Jul 75
A dangerous way to treat subdural haematoma. Martin G, et al. **Dev Med Child Neurol** 17(4):517–8, Aug 75
Cheyne–Stokes respiration and sleep: a diurnal polygraphic study. Schwartz BA, et al. **Electroencephalogr Clin Neurophysiol** 39(6):575–85, Dec 75
Effects of physical training on ventilatory equivalent and respiratory exchange ratio during weight supported, steady–state exercise. Girandola RN, et al. **Eur J Appl Physiol** 35(2):119–25, 21 Jun 76
Relationships of femoral venous [K+], PO2, osmolality, and [orthophosphate) with heart rate, ventilation, and leg blood flow during bicycle exercise in athletes and non–athletes. Tibes U, et al. **Eur J Appl Physiol** 35(3):201–14, 12 Aug 76
The effect of respiration on the monitoring of stroke volume and cardiac output by the electrical impedance technique. Endresen J, et al. **Eur J Intensive Care Med** 2(1):3–6, 1976
Functional plasticity in the respiratory pathway of the mammalian spinal cord. Guth L. **Exp Neurol** 51(2):414–20, May 76
Analysis of the respiratory role of intrinsic laryngeal motoneurons of cat. Sherrey JH, et al. **Exp Neurol** 49(2):456–65, Nov 75
Analysis of the respiratory role of pharyngeal constrictor motoneurons of cat. Sherrey JH, et al. **Exp Neurol** 49(3):839–51, Dec 75
Muscular respiratory receptors in self–regulation of normal breathing in man. Frankstein SI, et al. **Experientia** 31(12):1431–2, 15 Dec 75
Hemodynamic and ventilatory effects of skin–cooling in cattle. McMurtry IF, et al. **Experientia** 31(11):1303–4, 15 Nov 75
Neural control and proprioceptive load matching in reflex respiratory movements of fishes. Ballintijn CM, et al. **Fed Proc** 35(9):1983–91, Jul 76 (41 ref.)
Respiratory rhythmicity in the cat. Cohen MI, et al. **Fed Proc** 35(9):1967–74, Jul 76
The control of breathing in birds with particular reference to the initiation and maintenance of diving apnea. Jones DR. **Fed Proc** 35(9):1975–82, Jul 76 (77 ref.)
Respiration and the generation of rhythmic outputs in insects. Kammer AE. **Fed Proc** 35(9):1992–9, Jul 76 (105 ref.)
Neuronal control of respiration in decapod crustacea. Wilkens JL. **Fed Proc** 35(9):2000–6, Jul 76
Neurophysiology of the motor output pattern generator for breathing. Wyman RJ. **Fed Proc** 35(9):2013–23, Jul 76 (101 ref.)
Sensory and central nervous control of gill ventilation in Limulus. Wyse GA, et al. **Fed Proc** 35(9):2007–12, Jul 76
Respiratory function in iron deficiency anaemia before and after treatment. Osmanliev P, et al. **Folia Haematol (Leipz)** 102(5):565–75, 1975
Ultrastructure of the tracheal epithelium after inhalation of solid heavy metal aerosol. IV. Inhalation of needle–shaped particles of pyrite dust. Konrádová V, et al. **Folia Morphol (Praha)** 23(4):404–14, 1975
The significance of the postmortem discovery of gastric contents in the air passages. Knight BH. **Forensic Sci** 6(3):229–34, Dec 75
Respiratory states of Nigerian patients during anaesthesia and in the immediate post–operative period. Oduntan SA. **Ghana Med J** 10(1):34–9, Mar 71
[Study of the indicators of external respiration at different periods after surgery in patients with lung abnormalities and acquired suppurative lung diseases] Kabanov AN, et al. **Grudn Khir** (5):70–3, Sep–Oct 75 (Eng. Abstr.)
The deposition model of the Task Group on Lung Dynamics: a comparison with recent experimental data. Mercer TT. **Health Phys** 29(5):673–80, Nov 75
Analysis and simulation of an adaptive system for forced ventilation of the lungs. Woo JL, et al. **IEEE Trans Biomed Eng** 22(5):400–11, Sep 75
Lobar pulmonary gas exchange and hemodynamics following open heart surgery. pp. 439–40. Lappas DG, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**
A method to estimate pulmonary gas volume, distribution of ventilation and pulmonary capillary blood flow in intensive care. pp. 205–9. Demeester M, et al. **In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.**
An evaluation of computer–based respiratory monitoring in a surgical intensive care unit. pp. 89–90. Hilberman M, et al. **In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.**
Alarm warnings using a respiratory monitoring system. pp. 217–9. Kunz J, et al. **In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.**
Perinatal respiratory physiology; the initiation of breathing. pp. 28–48. Harned HS Jr. **In: Hafez ES, ed. The mammalian fetus: comparative biology and methodology. Springfield, Thomas, 1975. WQ 210 M265 1973.** (33 ref.)
Morphometrical study of breathing movements using a stereometric method. pp. 341–78. Kovats F. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.**
Estimation of cardiac output from respiratory data. pp. 237–60. Etsyon J, et al. **In: Inbar GF, ed. Signal analysis and pattern recognition in biomedical engineering. New York, Wiley, 1975. QT 34 I685s 1974.**
A specific carrier for oxygen and carbon monoxide in the lung. pp. 159–84. Burns B, et al. **In: Junod AF, de Haller R, ed. Lung metabolism. New York, Academic Press, 1975. W3 DA 266 1974L.**
The role of the respiratory muscles in phonation. pp. 351–6. Okamura H, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.**
Pulmonary aspects of cystic fibrosis. pp. 3–24. Levison H, et al. **In: Mangos JA, Talamo RC, ed. Cystic fibrosis: projections into the future. New York, Stratton, 1976. WI 820 C9995 1976.** (46 ref.)
Recent advances in avian respiration. pp. 33–7. Schmidt–Nielsen K. **In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975.** (36 ref.)
Rhythmic variation in heart rate and respiration rate during space flight—Appollo 15. pp. 435–40. Rummel JA. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**
Pulmonary function of Canadian Eskimos. pp. 320–6. Rode A, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**
Effects of continuous positive and negative pressure breathing on lung volume, distribution of ventilation and pulmonary mechanics in normal newborns. pp. 289–308. Hanson JS, et al. **In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.**
Transthoracic impedance – a tool for the evaluation of air and fluid changes in the lung. pp. 237–51. Victorin L, et al. **In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.**
Frequency–modulation of hippocampal stimulation effects on cardio–respiratory responses in monkeys. Dhume RA, et al. **Indian J Med Res** 63(8):1077–88, Aug 75
Functional dissociation within hippocampus: correlates of visceral and behavioral patterns induced on stimulation of ventral hippocampus in cats. Dhume RA, et al. **Indian J Med Res** 64(1):33–40, Jan 76
Physiological responses of high altitude cycle race competitors to submaximal exercise at 3300m. Nair CS, et al. **Indian J Med Res** 63(5):678–87, May 75
Effects of yogic exercises on human physical efficiency. Nayar HS, et al. **Indian J Med Res** 63(10):1369–76, Oct 75
The effect of yogasanas on muscular tone and cardio–respiratory adjustments. Gopal KS, et al. **Indian J Med Sci** 28(10):438–43, Oct 74
Pulmonary function in children with Mycoplasma pneumoniae pneumonia. Kjellman B. **Infection** 4(1 SUPPL):71–4, 1976
Simultaneous determination of trichloroethylene and metabolites in blood and exhaled air by gas chromatography. Monster AC, et al. **Int Arch Occup Environ Health** 35(2):155–63, 14 Aug 75
Kinematics of spontaneous breathing: the ventilatory system as a non–linear oscillator. Bargeton D, et al. **Int J Biomed Comput** 6(2):89–130, Apr 75
Letter: Ventilatory response to venous and inhaled CO2 loading. **J Appl Physiol** 40(4):651, Apr 76
Effects of equivalent sea–level and altitude training on VO2max and running performance. Adams WC, et al. **J Appl Physiol** 39(2):262–6, Aug 75
Effects of hypercapnia on mouth pressure during airway occlusion in conscious man. Altose MD, et al. **J Appl Physiol** 40(3):338–44, Mar 76
Nonrebreathing valve system for small animal respiratory measurements. Barrow RE. **J Appl Physiol** 40(1):108–9, Jan 76
Hypoventilation in ponies after carotid body denervation. Bisgard GE, et al. **J Appl Physiol** 40(2):184–90, Feb 1976
Closing volumes in man immersed to the neck in water. Bondi KR, et al. **J Appl Physiol** 40(5):736–40, May 76
Cardiac limitation to maximal oxygen transport and changes in components after jogging across the US. Bruce RA, et al. **J Appl Physiol** 39(6):958–64, Dec 75
Residual levels and biochemical changes after ventilation with perfluorinated liquid. Calderwood HW, et al. **J Appl Physiol** 39(4):603–7, Oct 75
Alveostat, an alveolar PACO2 and PAO2 control system. Chambille B, et al. **J Appl Physiol** 39(5):837–42, Nov 75
Biplane videoroentgenographic analysis of dynamic regional lung strains in dogs. Chevalier PA, et al. **J Appl Physiol** 40(1):118–22, Jan 76
Respiratory and other responses in subjects immersed in cold water. Cooper KE, et al. **J Appl Physiol** 40(6):903–10, Jun 76
Effect of altitude relocations upon AaDo2 at rest and during exercise. Cruz JC, et al. **J Appl Physiol** 39(3):469–74, Sep 75
Gas–blood PCO2 gradients during avian gas exchange. Davies DG, et al. **J Appl Physiol** 39(3):405–10, Sep 75
Fibrinolytic and hemostatic changes during and after maximal exercise in males. Davis GL, et al. **J Appl Physiol** 40(3):287–92, Mar 76
Occlusion pressures in men rebreathing CO2 under methoxyflurane anesthesia. Derenne JP, et al. **J Appl Physiol** 40(5):805–14, May 76
Relationship of phase IV to closing volume in lateral body positions. Don HF, et al. **J Appl Physiol** 39(3):390–4, Sep 75
Pulmonary response to antigen infusion in the sensitized guinea pig: modification by atropine. Drazen JM, et al. **J Appl Physiol** 39(6):916–9, Dec 75
Luft's syndrome: O2 cost of exercise and chemical control of breathing. Edelman NH, et al. **J Appl Physiol** 39(5):857–9, Nov 75
Relationship between respiratory nerve and muscle activity and muscle force output. Eldridge FL. **J Appl Physiol** 39(4):567–74, Oct 75
Central neural stimulation of respiration in unanesthetized decerebrate cats. Eldridge FL. **J Appl Physiol** 40(1):23–8, Jan 76
Influence of bronchomotor tone on regional ventilation distribution at residual volume. Engel LA, et al. **J Appl Physiol** 40(3):411–6, Mar 76
Trapped air in ventilated excised rat lungs. Frazer DG, et al. **J Appl Physiol** 40(6):915–22, Jun 76

Ventilatory interaction between hypoxia and [H+] at chemoreceptors of man. Gabel RA, et al. **J Appl Physiol** 39(2):292–6, Aug 75

Man's physiologic response to long-term work during thermal and pollutant stress. Gliner JA, et al. **J Appl Physiol** 39(4):628–32, Oct 75

Effects of expiratory threshold loading during steady-state exercise. Goldstein I, et al. **J Appl Physiol** 39(5):697–701, Nov 75

Chest wall distortion and regional lung volume distribution in erect humans. Grassino AE, et al. **J Appl Physiol** 39(6):1004–7, Dec 75

Voluntary changes of thoracoabdominal shape and regional lung volumes in humans. Grassino AE, et al. **J Appl Physiol** 39(6):997–1003, Dec 75

Control of depth and frequency of breathing during baroreceptor stimulation in cats. Grunstein MM, et al. **J Appl Physiol** 39(3):395–404, Sep 75

Control of breathing in uremia: ventilatory response to CO2 after hemodialysis. Hamilton RW, et al. **J Appl Physiol** 41(2):216–22, Aug 76

Effect of baroreceptor activity on ventilatory response to chemoreceptor stimulation. Heistad D, et al. **J Appl Physiol** 39(3):411–6, Sep 75

Effects of dry air and subsequent humidification on tracheal mucous velocity in dogs. Hirsch JA, et al. **J Appl Physiol** 39(2):242–6, Aug 75

Relationship of AaDO2 TO AIRWAY PCO2 in dog lungs. Ingram RH Jr, et al. **J Appl Physiol** 40(5):720–24, May 76

Synchronization of respiratory frequency by somatic afferent stimulation. Iscoe S, et al. **J Appl Physiol** 40(2):138–48, Feb 1976

Glottal aperture during panting with voluntary limitation of tidal volume. Jackson AC, et al. **J Appl Physiol** 39(5):834–6, Nov 75

Factors affecting a single-breath N2 washout phase IV. Kaneko K. **J Appl Physiol** 40(5):715–9, May 76

VO2max during horizontal and inclined treadmill running. Kasch FW, et al. **J Appl Physiol** 40(6):982–3, Jun 76

Respiratory sinus arrhythmia: noninvasive measure of parasympathetic cardiac control. Katona PG, et al. **J Appl Physiol** 39(5):801–5, Nov 75

Respiratory load compensation in infants. Knill R, et al. **J Appl Physiol** 40(3):357–61, Mar 76

Respiratory mechanics in normal hamsters. Koo KW, et al. **J Appl Physiol** 40(6):936–42, Jun 76

Ventilatory responses to the metabolic acidosis of treadmill and cycle ergometry. Koyal SN, et al. **J Appl Physiol** 40(6):864–7, Jun 76

Respiratory, circulatory, and ECG changes during acute exposure to high altitude. Laciga P, et al. **J Appl Physiol** 41(2):159–67, Aug 76

Respiratory adaptations in burrowing pocket gophers from sea level and high altitude. Lechner AJ. **J Appl Physiol** 41(2):168–73, Aug 76

Nonperipheral chemoreceptor stimulation of ventilation by cyanide. Levine S. **J Appl Physiol** 39(2):199–204, Aug 75

Awake baboon's ventilatory response to venous and inhaled CO2 loading. Lewis SM. **J Appl Physiol** 39(3):417–22, Sep 75

Effect of hypoxia on immediate ventilatory load response in dogs. Lynne-Davies P, et al. **J Appl Physiol** 39(3):367–71, Sep 75

Diaphragmatic activity and lung liquid flow in the unanesthetized fetal sheep. Maloney JE, et al. **J Appl Physiol** 39(3):423–8, Sep 75

Stability in lobar ventilation distribution during change in thoracic configuration. Minh VD, et al. **J Appl Physiol** 39(3):462–8, Sep 75

Effect of hyperinflation on inspiratory function of the diaphragm. Minh VD, et al. **J Appl Physiol** 40(1):67–73, Jan 76

Determing the pulmonary excretion rate of carbon monoxide in newborn infants. Ostrander CR, et al. **J Appl Physiol** 40(5):844–8, May 76

Letter: Hypoxic and hypercapnic ventilatory drives in man. Patrick JM, et al. **J Appl Physiol** 40(6):1012, Jun 76

Respiratory load compensation in awake and sleeping dogs. Phillipson EA, et al. **J Appl Physiol** 40(6):895–902, Jun 76

Regulation of respiration in sleeping dogs. Phillipson EA, et al. **J Appl Physiol** 40(5):688–93, May 76

Effect of elastic loading on ventilatory response to hypoxia in conscious man. Rebuck AS, et al. **J Appl Physiol** 39(4):548–51, Oct 75

Effects of O2 on the ventilatory response to CO2 in preterm infants. Rigatto H, et al. **J Appl Physiol** 39(6):896–9, Dec 75

Slow respiratory stimulant effect of hyperoxia in chemodenervated decerebrate cats. Rosenstein R, et al. **J Appl Physiol** 39(5):767–72, Nov 75

Influence of diaphragmatic contraction on ventilation distribution in horizontal man. Roussos CS, et al. **J Appl Physiol** 40(3):417–24, Mar 76

Relative contributions of rib cage and abdomen to breathing in normal subjects. Sharp JT, et al. **J Appl Physiol** 39(4):608–18, Oct 75

Maximal oxygen uptake during treadmill walking and running at various speeds. Stamford BA. **J Appl Physiol** 39(3):386–9, Sep 75

Step changes in end-tidal CO2: methods and implications. Swanson GD, et al. **J Appl Physiol** 39(3):377–85, Sep 75

Effect of chest strapping on regional lung function. Sybrecht GW, et al. **J Appl Physiol** 39(5):707–13, Nov 75

Local regulation of collateral ventilation by oxygen and carbon dioxide. Traystman RJ, et al. **J Appl Physiol** 40(5):819–23, May 76

Effect of ventilation on pulmonary blood volume of the fetal lamb. Walker AM, et al. **J Appl Physiol** 39(6):969–75, Dec 75

Effect of carotid body resection on ventilatory and acid-base control during exercise. Wasserman K, et al. **J Appl Physiol** 39(3):354–8, Sep 75

Depression of ventilation hypoxia in man. Weiskoff RB, et al. **J Appl Physiol** 39(6):911–5, Dec 75

Ability of man to detect increases in his breathing. West DW, et al. **J Appl Physiol** 39(3):372–6, Sep 75

Respiratory volume-time relationships during resistive loading in the cat. Zechman FW, et al. **J Appl Physiol** 40(2):177–83, Feb 1976

Examiner reliability in polygraph chart analysis: identification of physiological responses. Edel EC, et al. **J Appl Psychol** 60(5):632–4, Oct 75

Hypoxic apnea and gasping. Guntheroth WG, et al. **J Clin Invest** 56(6):1371–7, Dec 75

A somatotopic and functional representation of the respiratory muscles in the trigeminal and facial motor nuclei of the carp (Cyprinus carpio L.). Luiten PG. **J Comp Neurol** 166(2):191–200, 15 Mar 76

Physiological patterns accompanying complex problem solving during warning and nonwarning conditions. Kaiser DN, et al. **J Comp Physiol Psychol** 89(4):357–63, Jun 75

Wandering atrial pacemaker (prevalence in French hornists). Nizet PM, et al. **J Electrocardiol** 9(1):51–2, 1976

A quantitative analysis of ventilation tachycardia and its control in two chelonians, Pseudemys scripta and Testudo graeca. Burggren WW. **J Exp Biol** 63(2):367–80, Oct 75

The effect of progressive hypoxia on respiration in the dogfish (scyliorhinus canicula) at different seasonal temperatures. Butler PJ, et al. **J Exp Biol** 63(1):117–30, Aug 75

Oxygen consumption, ventilatory frequency and heart rate of lampreys (Lampetra fluviatilis) during their spawning run. Claridge PN, et al. **J Exp Biol** 63(1):193–206, Aug 75

A method for recording the respiratory and hatching movements of the chick embryo. Dawes CM. **J Exp Biol** 64(2):379–83, Apr 76

Cardiovascular dynamics of the chelonia during apnoea and lung ventilation. Shelton G, et al. **J Exp Biol** 64(2):323–43, Apr 76

Ventilation and metabolic rate of young rainbow trout (Salmo gairdneri) exposed to sublethal environmental pH. Hargis JR. **J Exp Zool** 196(1):39–44, Apr 76

The effect of hypothalamic thermal stimulation on respiration in the turtle. Siegel EB, et al. **J Exp Zool** 196(3):387–92, Jun 76

Electrodermal, cardiac, and respiratory activity to repeated cold pressor stimulation in drug addicts. Prystav GH. **J Gen Psychol** 94(2):259–70, Apr 76

Combined influences on cardiopulmonary functions of simulated high altitude and graded work loads. Sato M, et al. **J Hum Ergol (Tokyo)** 3(1):55–66, Sep 74

Serial determination of cardiac output during prolonged work by a CO2-rebreathing technique. Wilson BA, et al. **J Hum Ergol (Tokyo)** 4(1):35–41, Sep 75

The effects of passive exercise of skeletal muscles on cardiac cost, respiratory function and associative learning in severe myopathic children. Wraren W, et al. **J Hum Ergol (Tokyo)** 3(2):157–62, Dec 74

Aerobic work capacity of mentally retarded boys and girls in junior high schools. Yoshizawa S, et al. **J Hum Ergol (Tokyo)** 4(1):15–26, Sep 75

Respiratory variations in the vectorcardiogram due to changes in thorax dimensions. Nelson CV, et al. **J Maine Med Assoc** 67(1):20–1, Jan 76

Microwave and infra-red effects on heart rate, respiration rate and subcutaneous temperature of the rabbit. Birenbaum L, et al. **J Microwave Power** 10(1):3–18, Mar 75

Interaction of pulmonary afferents and pneumotaxic center in control of respiratory pattern in cats. Feldman JL, et al. **J Neurophysiol** 39(1):31–44, Jan 76

Effect of intermittently raised intracranial pressure on breathing pattern, ventilatory response to CO2, and blood gases in anesthetized cats. Jennett S, et al. **J Neurosurg** 44(2):156–67, Feb 76

Variations of pulmonary function amongst workers in cotton mills. Barnes R, et al. **J Occup Med** 18(8):551–5, Aug 76

Respiration regulation after elastic loading and CO2 rebreathing in normal term infants. Commentary. Bryan MH, et al. **J Pediatr** 88(1):112, Jan 76

Fetal breathing: induction in utero and effects of vagotomy and barbiturates. Condorelli S, et al. **J Pediatr** 88(1):94–101, Jan 76

Ventilation and sleep states in newborn infants. Finer NN, et al. **J Pediatr** 89(1):100–8, Jul 76

Effect of premature delivery on the maturation of the Hering-Breuer inspiratory inhibitory reflex in human infants. Kirkpatrick SM, et al. **J Pediatr** 88(6):1010–4, Jun 76

Respiratory regulation after elastic loading and CO2 rebreathing in normal term infants. Taeusch HW, et al. **J Pediatr** 88(1):102–11, Jan 76

Congenital diaphragmatic hernia in lambs: hemodynamic and ventilatory changes with breathing. Starrett RW, et al. **J Pediatr Surg** 10(5):575–82, Oct 75

Proceedings: The reflex control of respiration and heart rate by the carotid body chemoreceptors during experimental dives in the harbour seal. Angell-James JE, et al. **J Physiol (Lond)** 258(2):119P–120P, Jun 76

Respiratory and cardiovascular interactions in ducks: the effect of lung denervation on the initation of and recovery from some cardiovascular responses to submergence. Bamford OS, et al. **J Physiol (Lond)** 259(3):575–96, Aug 76

Proceedings: The effect of carotid sinus nerve section and a carotid artery mixing chamber on the respiratory response to infusion of hypercapnic blood in anaesthetized rabbits. Cameron IR, et al. **J Physiol (Lond)** 256(1):21P–22P, Mar 76

Proceedings: Effect of changing the duration of inflation of the lung on the associated phrenic motoneurone output. Cross B, et al. **J Physiol (Lond)** 258(2):114P–115P, Jun 76

Proceedings: The form of the respiratory interaction between an alternate-breath oscillation of PA, CO2 and hypoxia in man. Cunningham DJ, et al. **J Physiol (Lond)** 251(1):37P–38P, Sep 75

Proceedings: The separate effects of alternate-breath oscillations of PA,CO2 during hypoxia on inspiration and expiration. Cunningham DJ, et al. **J Physiol (Lond)** 252(2):33P–34P, Nov 75

Proceedings: The use of transients in the study of the interactions of chemical drives to breathing. Cunningham JC, et al. **J Physiol (Lond)** 256(1):10P–11P, Mar 76

Proceedings: Ventilation in hypoxic hypocapnia. Daubenspeck JA, et al. **J Physiol (Lond)** 256(1):29P–30P, Mar 76

Respiratory modulation of barareceptor and chemoreceptor reflexes affecting heart rate and cardiac vagal efferent nerve activity. Davidson NS, et al. **J Physiol (Lond)** 259(2):523–30, Jul 76

Gas transit times in the pig lung. Davies A. **J Physiol (Lond)** 251(2):383–94, Oct 75

Proceedings: Assessment of closure of lung units based on the pressure-volume curve. Davis J. **J Physiol (Lond)** 252(2):30P, Nov 75

Proceedings: The pattern of stimulated breathing in man during non-elastic expiratory loading. Garrard CS, et al. **J Physiol (Lond)** 251(1):40P–41P, Sep 75

Proceedings: Comparison of the ventilatory response to carbon dioxide administered by inhalation and by intravenous infusion in the cat. Grant BJ, et al. **J Physiol (Lond)** 258(2):110P–111P, Jun 76

Breathing in man during steady-state exercise on the bicycle at two pedalling frequencies, and during treadmill walking. Kay JD, et al. **J Physiol (Lond)** 251(3):645–56, Oct 75

Mean and breath-by-breath pattern of breathing in man during steady-state exercise. Kay JD, et al. **J Physiol (Lond)** 251(3):657–69, Oct 75

Inhibition of thermal tachypnoea in rabbits following exposure to cold and water deprivation. Maskrey M, et al. **J Physiol (Lond)** 252(2):481–90, Nov 75

Proceedings: An effect of respiratory ventilation on erythrocyte sodium. Mora JD, et al. **J Physiol (Lond)** 259(1):39P–40P, Jul 76

Proceedings: The effects of abnormal oxygen tensions on breath by breath tidal volume changes in cats alternately breathing CO2-rich and CO2-free gas mixtures. Pearson SB, et al. **J Physiol (Lond)** 251(1):38P–40P, Sep 75

Effects of a rise in body temperature on the pattern of breathing in man. Petersen ES, et al. **J Physiol (Lond)** 250(1):40P–41P, Aug 75

Respiratory frequency response to progressive isocapnic hypoxia. Rebuck AS, et al. **J Physiol (Lond)** 258(1):19–31, Jun 76

The regulation of respiratory evaporative heat loss in the rabbit. Stitt JT. **J Physiol (Lond)** 258(1):157–71, Jun 76

Proceedings: Role of respiratory neurons in respiratory reflex responding to the electric stimulation of the cervical vagus nerve and internal branch of the superior laryngeal nerve. Fukuhara T, et al. **J Physiol Soc Jpn** 36(8–9):375, 1 Sep 74

Proceedings: Respiratory regulation in glomectomized patients. Honda Y, et al. **J Physiol Soc Jpn** 36(8–9):374–5, 1 Sep 74

Proceedings: Microvibration and its relationship with the autonomic nervous system and respiratory movement. Ozaki T, et al. **J Physiol Soc Jpn** 36(8–9):290, 1 Sep 74

Induced respiratory change in asthmatic children. Weiss JH, et al. **J Psychosom Res** 20(2):115–23, 1976

Respiratory heat loss and other thermal problems of deep diving. de Hanson R. **J R Nav Med Serv** 61(1):16–21, Spring 75

Aspects of respiration in anaesthetized newborn foals. Littlejohn A. **J Reprod Fertil [Suppl]** (23):681–4, Oct 75

Assessment of running performance in college males from aerobic capacity percentage utilization coefficients. Mayhew JL, et al. **J Sports Med Phys Fitness** 15(4):342–6, Dec 75

Evaluations of the step test scores based on the measurements of maximal aerobic powers. Miyamura M, et al. **J Sports Med Phys Fitness** 15(4):311–22, Dec 75

Respiratory and metabolic responses following marathon running at altitudes. Sousa-Poza M, et al. **J Sports Med Phys Fitness** 15(3):181–91, Sep 75

Hemodynamic and respiratory alterations with increased intra-abdominal pressure. Richardson JD, et al. **J Surg Res** 20(5):401–4, May 76

The effects of carbon dioxide on pulmonary mechanics in hyperventilating, normal volunteers. Hilberman M, et al. **J Thorac Cardiovasc Surg** 71(2):268–73, Feb 76

An analysis of potential physiological predictors of

respiratory adequacy following cardiac surgery. Hilberman M, et al. **J Thorac Cardiovasc Surg** 71(5):711–20, May 76

Function of external respiration after experimental lung autotransplantation. Rabinovich JJ. **J Thorac Cardiovasc Surg** 71(6):815–24, Jun 76

Pulmonary function in pulmonary hypertensive state with special reference to regional distribution of ventrilation and perfusion. Ishii Y, et al. **Jpn Circ J** 40(6):597–602, Jun 76

Pulmonary hypertension induced with pulmonary function disturbances. Sera K, et al. **Jpn Circ J** 40(6):591–6, Jun 76

A method of analysis of the pulmonary gas exchange system. Mochizuki M, et al. **Jpn J Physiol** 25(4):435–51, 1975

Editorial: The diaphragm and breathing. **Lancet** 1(7969):1114–5, 22 May 76

Peptide transmitters: a unifying hypothesis for euphoria, respiration, sleep, and the action of lithium. Byck R. **Lancet** 2(7976):72–3, 10 Jul 76

Letter: Breathing control in liver disease. Mustchin CP. **Lancet** 1(7966):969, 1 May 76

Respiratory function in infants with Arnold–Chiari malformation. Krieger AJ, et al. **Laryngoscope** 86(5):718–23, May 76

Vocal cord injection in the treatment of acute and chronic aspiration. Rontal E, et al. **Laryngoscope** 86(5):625–34, May 76

Factors in impedance pneumography. Albisser AM, et al. **Med Biol Eng** 12(5):599–605, Sep 74

A coaxial ultrasonic pneumotachometer. Blumenfeld W, et al. **Med Biol Eng** 13(6):855–60, Nov 75

Contactless respiration monitoring of infants. Franks CI, et al. **Med Biol Eng** 14(3):306–12, May 76

A discussion of some single-compartment systems using intravascular tracers for the estimation of respiratory parameters. Hechtman HB, et al. **Med Biol Eng** 12(4):415–24, Jul 74

A note on theories of respiration and muscular action in England c. 1660 (Christopher Wren). Bennett JA. **Med Hist** 20(1):59–69, Jan 76

The cardiopulmonary capacities of young hockey players: age 10. Cunningham DA, et al. **Med Sci Sports** 8(1):23–5, Spr 76

The influence of transpulmonary pressure on the diameter of small arterial blood vessels in the lung. Maloney JE, et al. **Microvasc Res** 11(1):57–66, Jan 76

Respiratory failure associated with familial depression of ventilatory response to hypoxia and hypercapnia. Moore GC, et al. **Milbank Mem Fund Q** 295(16):861–5, 14 Oct 76

Clinical semi-starvation: depression of hypoxic ventilatory response. Doekel RC Jr, et al. **N Engl J Med** 295(7):358–61, 12 Aug 76

Effect of ketosis on respiratory sensitivity to carbon dioxide in obesity. Fried PI, et al. **N Engl J Med** 294(20):1081–6, 13 May 76

Letter: Measurement of respiratory drive. Froese AB, et al. **N Engl J Med** 294(16):906–7, 15 Apr 76

Respiratory failure associated with familial depression of ventilatory response to hypoxia and hypercapnia. Moore GC, et al. **N Engl J Med** 295(16):861–5, 14 Oct 76

Editorial: Chemical regulation of ventilation: who needs it? Severinghaus JW. **N Engl J Med** 295(16):895–6, 14 Oct 76

Letter: Kussmaul's sign. Spodick DH. **N Engl J Med** 293(20):1047–8, 13 Nov 75

Relative role of environmental and genetic factors in respiratory adaptation to high altitude. Lahiri S, et al. **Nature** 261(5556):133–5, 13 May 76

Is the aestivating lungfish the first vertebrate with suctional breathing? Lomhold JP, et al. **Nature** 257(5529):787–8, 30 Oct 75

Depressed ventilatory response in oculocraniosomatic neuromuscular disease. Carroll JE, et al. **Neurology (Minneap)** 26(2):140–6, Feb 76

Effect of electrolytic lesions of the medullary inspiratory region in rats. Vazir H, et al. **Pahlavi Med J** 7(1):18–39, Jan 76

Spiroergometric and telemetric investigations during the XXI International Stoke Mandeville Games 1972 in Heidelberg. Hüllemann KD, et al. **Paraplegia** 13(2):109–23, Aug 75

Alterations of pulmonary function in spinal cord injured patients. Ohry A, et al. **Paraplegia** 13(2):101–8, Aug 75

Somatic-respiratory reflex and onset of regular breathing movements in the lamb fetus in utero. Condorelli S, et al. **Pediatr Res** 9(12):879–84, Dec 75

Gaseous exchange and acid–base balance in premature lambs during liquid ventilation since birth. Shaffer TH, et al. **Pediatr Res** 10(4):227–31, Apr 76

A new method of evaluating the chemosensitivity of the respiratory center in children. Cosgrove JF, et al. **Pediatrics** 56(6):973–80, Dec 75

The ventilatory response to carbon dioxide in asthmatic children, measured by the mouth-occlusion method (Pm100). Cosgrove JF, et al. **Pediatrics** 57(6):952–9, Jun 76

Chemoreceptor function and sleep state in apnea. Fagenholz SA, et al. **Pediatrics** 58(1):31–6, Jul 76

The therapeutic application of end-expiratory pressure in the meconium aspiration syndrome. Fox WW, et al. **Pediatrics** 56(2):214–7, Aug 75

Assisted ventilation in infants with meconium aspiration syndrome. Vidyasagar D, et al. **Pediatrics** 56(2):208–13, Aug 75

Respiratory, cardiac and learning changes in exercised muscular dystrophic children. Eickelberg WW, et al. **Percept Mot Skills** 43(1):66, Aug 76

Instructional, pacing, and feedback control of respiratory behavior. Epstein LH, et al. **Percept Mot Skills** 41(3):895–900, Dec 75

Biofeedback training with a learning disabled child. Guralnick MJ, et al. **Percept Mot Skills** 42(1):27–30, Feb 76

Treatment of stuttering: a case history. Small MM. **Percept Mot Skills** 41(3):812, Dec 75

Circulatory and respiratory adaptation in man to acute withdrawal and reinfusion of blood. Bergenwald L, et al. **Pfluegers Arch** 355(4):307–18, 2 Apr 75

Ventilatory acclimatization and csf acid–base balance in carotid chemodenervated dogs at 3550 m. Bouverot P, et al. **Pfluegers Arch** 361(1):17–23, 19 Dec 75

The bulbar respiratory centre in the rabbit. II. Responses of respiratory neurons to intermittent electrical bulbar stimulation during in– or expiration. Fallert M, et al. **Pfluegers Arch** 364(3):269–84, 24 Aug 76

The bulbar respiratory centre in the rabbit. I. Changes of respiratory parameters caused by intermittent electrical bulbar stimulation during inspiration or expiration. Fallert M, et al. **Pfluegers Arch** 364(3):257–68, 24 Aug 76

Influences of chronic denervation of the carotid bifurcation regions on panting in the sheep. Hales JR, et al. **Pfluegers Arch** 360(3):243–53, 14 Nov 75

Method for the analysis of the entrainment between heart rate and ventilation rate. Kenner T, et al. **Pfluegers Arch** 363(3):263–5, 22 Jun 76

The Hering–Breuer reflexes in the bronchial asthma attack. Koller EA, et al. **Pfluegers Arch** 357(3–4):165–71, 26 Jun 75

Ventilatory response to CO2 at rest and during positive and negative work in normoxia and hyperoxia. Miyamura M, et al. **Pfluegers Arch** 364(1):7–15, 29 Jun 76

Ventilation estimated from efferent phrenic nerve activity in the paralysed cat. Smolders FD, et al. **Pfluegers Arch** 359(1–2):157–69, 29 Aug 75

Changes in respiratory frequency and end–expiratory volume accompanying augmented breaths in cats. Szereda-Przestaszewska M, et al. **Pfluegers Arch** 364(1):29–33, 29 Jun 76

A simple method for the sampling of respiratory gas in conscious dogs. Zweens J, et al. **Pfluegers Arch** 360(3):219–23, 14 Nov 75

Physiological effects of passive exercise on cardiorespiratory function. Smith K. **Phys Ther** 56(3):285–7, Mar 76

Control of the rat's sniffing behavior by response-independent and dependent schedules of reinforcing brain stimulation. Waranch HR, et al. **Physiol Behav** 15(3):365–72, Sep 75

Pattern of breathing in the rat. Paleček F, et al. **Physiol Bohemoslov** 25(2):159–66, 1976

Influence of nasal respiration upon normal EEG and epileptic electrographic activities in frog and turtle. Servít Z, et al. **Physiol Bohemoslov** 25(2):109–14, 1976

Use of nasopharyngeal tubes as aids to lateral port construction and maintenance of the airway in pharyngeal flap surgery. Stallings JO, et al. **Plast Reconstr Surg** 58(3):379–80, Sep 76

Cromolyn and deep inspiration–induced bronchoconstriction. Messerli C, et al. **Pneumonologie** 153(1):73–80, 12 Dec 75

Dead space and venous admixture measurement through mass spectrometry. Meunier-Carus J, et al. **Pneumonologie** 151(4):266–9, 30 May 75

Physiologic appraisal of a new rescue respirator with positive pressure. Meyer E, et al. **Pneumonologie** 153(1):61–72, 12 Dec 75

Differentiating the cause of wheezing in infants. Mattimore JM. **Postgrad Med** 59(4):116–22, Apr 76

Pulmonary circulation and ventilation. Leigh JM. **Postgrad Med J** 50(587):562–5, Sep 74

Electrocardiographic and respiratory responses to viscerotropic and neurotropic strains of Newcastle disease virus measured by radio telemetry. Mitchell BW, et al. **Poult Sci** 55(3):874–83, May 76

Respiratory gas exchange during hemodialysis. Sherlock JE, et al. **Proc Clin Dial Transplant Forum** 2:171–4, 1972

Hypercapnic drive: assessment and interpretation. Cameron IR. **Proc R Soc Med** 68(4):242, Apr 75

Frequency and tidal volume: assessment and interpretation. Davis JN. **Proc R Soc Med** 68(4):244, Apr 75

The hypoxic drive to breathing in man, studied during exercise. Flenley DC, et al. **Proc R Soc Med** 68(4):240, Apr 75

Oxygen tests and the determination of hypoxic respiratory drive in patients with chronic lung disease. Lee KD. **Proc R Soc Med** 68(4):240–2, Apr 75

Frequency and tidal volume in heart and lung disease. Reed JW. **Proc R Soc Med** 68(4):245, Apr 75

Control of breathing in disease. Semple SJ. **Proc R Soc Med** 68(4):237–8, Apr 75

Hypoxic drive: assessment and interpretation. Weil JV. **Proc R Soc Med** 68(4):239, Apr 75

Multiple measurement of anxiety and its effects on complex verbal learning. Salter CA, et al. **Psychol Rep** 38(3 pt. 1):691–4, Jun 76

The effects of stress on components of the respiration cycle. Cohen HD, et al. **Psychophysiology** 12(4):377–80, Jul 75

Cardiac response to simple stimuli as a function of phase of the respiratory cycle. Hart JD. **Psychophysiology** 12(6):634–6, Nov 75

Feedback effects and respiratory involvement in voluntary control of heart rate. Levenson RW. **Psychophysiology** 13(2):108–14, Mar 76

Ventilatory response to carbon dioxide inhalation in depression. Shershow JC, et al. **Psychosom Med** 38(4):282–7, Jul–Aug 76

The effects of vagotomy on ventilation and blood gas composition in dog, sheep and rabbit. Kashani M, et al. **Q J Exp Physiol** 60(4):285–98, Oct 75

Respiratory responses to CO2–rebreathing in Nigerian men. Patrick JM. **Q J Exp Physiol** 61(2):85–93, Apr 76

Metabolic rates in five animal populations after prolonged exposure to weak extremely low frequency electromagnetic fields in nature. Greenberg B, et al. **Radiat Res** 67(2):252–65, Aug 76

Intrapulmonary effusion. Effect of expiration on the pseudodiaphragmatic contour. Bryk D. **Radiology** 120(1):33–6, Jul 76

Fatal aspiration of thick barium. Lareau DG, et al. **Radiology** 120(2):317, Aug 76

Fatal aspiration of thick barium. Lareau DG, et al. **Radiology** 120(2):317, Aug 76

Circulatory and metabolic responses of young women at HR = 180 and HR = max. Humphrey LD, et al. **Res Q Am Assoc Health Phys Educ** 46(4):498–504, Dec 75

Limiting role of stratification in alveolar exchange of oxygen. Adaro F. **Respir Physiol** 26(2):195–206, Apr 76

Role of the carotid chemoreceptors in the hyperpnea of exercise in the cat. Aggarwal D, et al. **Respir Physiol** 26(2):147–55, Apr 76

The effect of varying tidal volume on the associated phrenic motoneurone output:studies of vagal and chemical feedback. Bartoli A, et al. **Respir Physiol** 25(2):135–55, Nov 75

Ventilation and respiratory evaporation in the flying crow, Corvus ossifragus. Bernstein MH. **Respir Physiol** 26(3):371–82, MAY 76

Activity of medullary respiratory neurones during reflexes from the lungs in cats. Bianchi AL, et al. **Respir Physiol** 25(3):335–52, Dec 75

Blood and CSF acid–base changes, and rate of ventilatory acclimatization of awake dogs to 3,550 m. Bureau M, et al. **Respir Physiol** 24(2):203–16, Jul 75

Central and peripheral neural respiratory activity in the mature sheep foetus and newborn lamb. Bystrzycka E, et al. **Respir Physiol** 25(2):199–215, Nov 75

Tonic vagal influences on inspiratory duration. DAngelo E, et al. **Respir Physiol** 24(3):287–302, Sep 75

Immediate response to expiratory threshold load. D'angelo E, et al. **Respir Physiol** 25(3):269–84, Dec 75

Medullary relay neurons in the carotid–body chemoreceptor pathway of cats. Davies RO, et al. **Respir Physiol** 24(1):69–79, Jun 75

Expiratory effects of brief carotid sinus nerve and carotid body stimulations. Eldridge FL. **Respir Physiol** 26(3):395–410, MAY 76

Intrapulmonary CO2 receptors in the duck: IV. Discharge pattern of the population during a respiratory cycle. Fedde MR. **Respir Physiol** 26(2):223–7, Apr 76

Nitrogen exchange across the lungs in resting man. Fennessy PA, et al. **Respir Physiol** 24(3):303–12, Sep 75

The progressive response of the newborn infant to added respiratory loads. Frantz ID 3d, et al. **Respir Physiol** 24(3):233–9, Sep 75

Changes in the pattern of breathing caused by chest vibration. Gandevia SC. **Respir Physiol** 26(2):163–71, Apr 76

Studies on ventilation of Caiman crocodilus (Crocodilia: Reptilia). Gans C, et al. **Respir Physiol** 26(3):285–301, MAY 76

Kinetics of inert gas equilibration in an exclusively skin–breathing salamander, Desmognathus fuscus. Gatz RN, et al. **Respir Physiol** 24(1):15–29, Jun 75

Pattern of breathing during hypoxia or hypercapnia of the awake or anesthetized cat. Gautier H. **Respir Physiol** 27(2):193–206, Aug 76

Factors causing and reversing vasoconstriction in unventilated lung. Howard P, et al. **Respir Physiol** 24(3):325–45, Sep 75

Recruitment and discharge frequency of phrenic motoneurones during inspiration. Iscoe S, et al. **Respir Physiol** 26(1):113–28, Feb 76

The effects of changes in pH and PCO2 in blood and water on breathing in rainbow trout, Salmo gairdneri. Janssen RG, et al. **Respir Physiol** 25(2):235–45, Nov 75

Effect of inspiratory resistance of occlusion pressure in hypoxia and hypercapnia. Kryger MH, et al. **Respir Physiol** 24(3):241–8, Sep 75

Effect of gas density and ventilatory pattern of steady-state co uptake by the lung. Kvale PA, et al. **Respir Physiol** 24(3):385–98, Sep 75

Relationship between carotid chemoreceptor activity and ventilation in the cat. Lahiri S, et al. **Respir Physiol** 24(3):267–86, Sep 75

Central ventilatory responses to O2 and CO2 at three levels of carotid chemoreceptor stimulation. Lee LY, et al. **Respir Physiol** 25(3):319–33, Dec 75

Gas exchange in air sacs: contribution to respiratory gas exchange in ducks. Magnussen H, et al. **Respir Physiol** 26(1):129–46, Feb 76

Contribution of hypercapnic stimuli and of vagal afferents to the timing of breathing in anesthetized cats. Miserocchi G, et al. **Respir Physiol** 25(1):71–88, Oct 75

Role of peripheral and central chemosensitive afferents in the control of depth and frequency of breathing.

Miserocchi G. **Respir Physiol** 26(1):101–11, Feb 76

The effect of hypercapnia on respiratory characteristics and diving behaviour of freely diving seals. Påsche A. **Respir Physiol** 26(2):183–94, Apr 76

Ventilation during rest and exercise in pregnancy and postpartum. Pernoll ML, et al. **Respir Physiol** 25(3):295–310, Dec 75

The significance of alveolar geometry and surface tension in the respiratory mechanics of the lung. Reifenrath R. **Respir Physiol** 24(2):115–37, Jul 75

Action of intercostal muscle afferents on the respiratory rhythm of anesthetized cats. Remmers JE, et al. **Respir Physiol** 24(1):31–41, Jun 75

The interaction of chemo- and mechanoreceptor signals in the control of airway calibre. Stein JF, et al. **Respir Physiol** 25(3):363–76, Dec 75

Pleural pressure with lobar obstruction in dogs. Zidulka A, et al. **Respir Physiol** 26(2):239–48, Apr 76

CO2 breathing of children. Fenner A, et al. **Respiration** 33(3):211–8, 1976

Normal and pathological respiratory sounds analyzed by means of a new phonopneumographic apparatus. Grassi C, et al. **Respiration** 33(4):315–24, 1976

Clinical value of rebreathing test in obstructive lung diseases. Marazzini L, et al. **Respiration** 33(3):219–30, 1976

Dynamic surface tension properties of mixed lecithin–cholesterol films related to the respiratory mechanics. Reifenrath R, et al. **Respiration** 33(4):303–14, 1976

Partitioning of the alveolar–arterial O2 pressure difference under normal, hypoxic and hyperoxic conditions. Thews G, et al. **Respiration** 33(4):245–55, 1976

Pulmonary vascular response to ventilation hypercapnia in man. Viswanathan R, et al. **Respiration** 33(3):165–78, 1976

Comparative study of the ventilatory responsiveness to CO2 in bronchitic and emphysematous patients with chronic respiratory failure. Weitzenblum E, et al. **Respiration** 33(3):188–98, 1976

Effect of unilateral vagus blockade on antigen-induced airway obstruction. Zimmermann I, et al. **Respiration** 33(5):359–65, 1976

Effect of ascaris extract applied intravenously, on segment bronchus and the influence of ipsilateral vagus blockade. Zimmermann I, et al. **Respiration** 33(4):270–80, 1976

Biochemical and biophysical changes in guinea pigs after acute head injury. Hausdoerfer J, et al. **Resuscitation** 4(2):77–86, 1975

Transfer factor for the lung, airway obstruction and hyperinflation in chronic bronchitis and emphysema. Teculescu DB, et al. **Rev Roum Med [Med Intern]** 14(2):125–31, Apr–Jun 76 (Eng. Abstr.)

Ventilatory response to carbon dioxide in Nigerian asthmatics before and after aerosol salbutamol inhalation. Elegbeleye OO, et al. **S Afr J Med Sci** 40(1):21–5, 1975

Ventilatory response of healthy Nigerians and Europeans to carbon dioxide. Femi-Pearse D, et al. **S Afr J Med Sci** 40(1):15–9, 1975

Respiratory sinus arrhythmia in man: relation to cardiovascular pressures. Freyschuss U, et al. **Scand J Clin Lab Invest** 36(3):221–9, May 76

August Krogh and the physiology of respiration. Dejours P. **Scand J Respir Dis** 56(6):337–46, 1975

Pulmonary gas exchange in asymptomatic smokers and nonsmokers. Frans A, et al. **Scand J Respir Dis** 56(5):233–44, 1975

Ventilatory capacity, working capacity and exercise-induced bronchoconstriction in a population sample of subjects with bronchial asthma or chronic bronchitis. Kiviloog J, et al. **Scand J Respir Dis** 56(2):73–83, Aug 75

Pulmonary involvement in patients with rheumatoid arthritis. Laitinen O, et al. **Scand J Respir Dis** 56(6):297–304, 1975

Influence of posture on pulmonary gas exchange and heart rate in chronic obstructive lung disease. Schaanning J, et al. **Scand J Respir Dis** 57(1):12–6, 1976

Ventilatory and heart rate adjustments during submaximal and maximal exercise in patients with chronic obstructive lung disease. Schaanning J. **Scand J Respir Dis** 57(2):63–72, 1976

The closing volume as a screening test in smokers. Benson MK. **Scand J Respir Dis [Suppl]** (95 suppl):84–90, 1976

Relationship between smoking and the single breath nitrogen washout. Buist AS, et al. **Scand J Respir Dis [Suppl]** (95 suppl):108–16, 1976

The volume of trapped gas, closing volume and pulmonary gas exchange in smokers and non-smokers aged 60. Lilja B, et al. **Scand J Respir Dis [Suppl]** (95 suppl):48–59, 1976

Diurnal variability of closing volume measurements in normal subjects. Marcq M, et al. **Scand J Respir Dis [Suppl]** (95 suppl):22–3, 1976

Closing volume. The effects of acute exposure to tobacco and tobacco substitute mixtures. Rawbone RG. **Scand J Respir Dis [Suppl]** (95 suppl):91–6, 1976

Lung volumes and arterial blood gases in obesity. Rorvik S, et al. **Scand J Respir Dis [Suppl]** (95 suppl):60–4, 1976

Closing volume and gas exchange in obese patients before and after intestinal bypass operation. (A preliminary report). Sixt R, et al. **Scand J Respir Dis [Suppl]** (95 suppl):65–72, 1976

Closing volume and slope of alveolar plateau in asthmatic children. Solymar L, et al. **Scand J Respir Dis [Suppl]** (95 suppl):31–8, 1976

Airway closure and expiratory flow-limitation in relation to smoking habits and symptoms of CNSLD. Tammeling GJ, et al. **Scand J Respir Dis [Suppl]** (95 suppl):73–83, 1976

Predicition of lung function after lung surgery. A 133 Xe-radiospirometric study of regional lung function in bronchial cancer. Kristersson S. **Scand J Thorac Cardiovasc Surg [Suppl]** (18):5–44, 1974

Female work capacity during the menstrual cycle: physiological and psychological reactions. Gamberale F, et al. **Scand J Work Environ Health** 1(2):120–7, Jun 75

Effects of a welding helmet and dust respirators on respiration at rest and during exercise. White T, et al. **Scand J Work Environ Health** 1(4):249–53, Dec 75

Influence of tidal volume and pulmonary artery occlusion on arterial oxygenation during endobronchial anesthesia. Flacke JW, et al. **South Med J** 69(5):619–26, May 76

Respiratory rate and pattern disturbances in acute brain stem infarction. Lee MC, et al. **Stroke** 7(4):382–5, Jul–Aug 76

Evaluation of pulmonary function in the ischemic expanded canine lung. Fonkalsrud E, et al. **Surg Gynecol Obstet** 142(4):573–7, Apr 76

Effects of transfusion on surviving and nonsurviving postoperative patients. Shoemaker WC. **Surg Gynecol Obstet** 142(1):33–40, Jan 76

Arterial and respiratory influences on intracranial pressure in infancy. Paraicz E, et al. **Surg Neurol** 4(4):361–6, Oct 75

Acoustical studies on respiratory sounds in asthmatic patients. Akasaka K, et al. **Tohoku J Exp Med** 117(4):323–33, Dec 75

Regional difference of respiratory changes in pleural pressure between left and right thoraxes in dogs. Haneda T, et al. **Tohoku J Exp Med** 118(4):311–5, Apr 76

Blood gas disequilibria and exercise hyperpnea. Filley GF. **Trans Am Clin Climatol Assoc** 87:48–58, 1976

Ventilatory response to carbon dioxide inhalation in acute ischemic cerebral infarction. Lee MC, et al. **Trans Am Neurol Assoc** 100:215–7, 1975

Effects of treadmill exercise on cardiovascular and respiratory dynamics before and after artificial heart implantation. Lunn JK, et al. **Trans Am Soc Artif Intern Organs** 22:315–22, 1976

Errors and artifacts encountered in the monitoring of fetal respiratory movements using untrasound. Farman DJ, et al. **Ultrasound Med Biol** 2(1):31–6, Oct 75

Influence of intrathoracic blood polling on pulmonary air–trapping during immersion. Dahlbäck GO. **Undersea Biomed Res** 2(2):133–40, Jun 75

Measurement of helium elimination from man during decompression breathing air or oxygen. Kindwall EP. **Undersea Biomed Res** 2(4):277–84, Dec 75

Nitrogen elimination in man during decompression. Kindwall EP, et al. **Undersea Biomed Res** 2(4):285–97, Dec 75

Liquid breathing. Kylstra JA. **Undersea Biomed Res** 1(3):259–69, Sep 74 (34 ref.)

Respiratory gas exchange and lung perfusion in man during and after head–out water immersion. Löllgen H, et al. **Undersea Biomed Res** 3(1):49–56, Mar 76

The effects of increased gas density on pulmonary mechanics. Vorosmarti J, et al. **Undersea Biomed Res** 2(1):1–10, Mar 75

The concordance of respiratory fluctuations in oesophageal and central venous pressures. Hedstrand U, et al. **Ups J Med Sci** 81(1):49–53, 1976

Radiographic evaluation of renal excursion with respiration. Kaswick JA, et al. **Urology** 7(4):438–41, Apr 76

Circulatory effects of vagal inflation reflex in man. Ott NT, et al. **Z Kardiol** 64(11):1066–70, Nov 75

[The interrelationship between the respiratory and lipopexic functions of the lungs in several non-specific pulmonary diseases] Kirin I, et al. **Vutr Boles** 13(6):35–45, 1974 (Eng. Abstr.) **(Bul)**

[Observations of respiratory function in advanced liver cirrhosis] Stanchev A, et al. **Vutr Boles** 15(2):66–74, 1976 (Eng. Abstr.) **(Bul)**

[Effect of physical exercise on ventilation in healthy adults with special reference to the closing volume] Haxhiu MA. **Plucne Bolesti Tuberk** 27(1–2):28–33, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

[Respiration and spirometry in patients indicated for surgical treatment of ischemic heart disease] Jebavý P, et al. **Cas Lek Cesk** 114(46):1419–26, 14 Nov 75 (Eng. Abstr.) **(Cze)**

[Effects of hypoxia on the respiratory exchange in rats of various ages] Novák L. **Cesk Fysiol** 25(1):7–11, 1976 **(Cze)**

[The problem of aspiration in obstetrical surgery (author's transl)] Jirátko K, et al. **Cesk Gynekol** 41(3):206–8, May 76 **(Cze)**

[Influence of disorders in nasal respiration on the ventilatory function of the auditory tube in chronic middle ear inflammations] Vladimír A. **Cesk Otolaryngol** 24(4):230–5, Aug 75 (Eng. Abstr.) **(Cze)**

[Effect of asphyxia on respiration and heart rate in the rat under ether anaesthesia, under pentobarbital anaesthesia and after adrenalectomy (ontogenetic aspect) (author's transl)] Slavíček J. **Sb Lek** 78(3):71–84, Mar 76 (Eng. Abstr.) **(Cze)**

[Some parameters of breathing mechanics in obese persons] Ružička J, et al. **Vnitr Lek** 21(12):1150–4, Dec 75 (Eng. Abstr.) **(Cze)**

[Determinism of a pneumophonic relationship in functional dysphonia] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):451–65, 1975 **(Fre)**

[Stress, psychological characteristics, and respiratory variables] Van Imschoot K, et al. **Acta Psychiatr Belg** 75(3):255–72, May 75 **(Fre)**

[Study of the repercussions of the degree of functional activity and severity of scoliosis on the spirographic syndrome and diffusion capacity in scoliotic adolescents] Hubert J. **Acta Tuberc Pneumol Belg** 65(5):492–504, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Bronchologic and physiopathologic contribution to the determination of the topography of bronchial obstructions] Mangiulea V, et al. **Bronches** 25(1):26–40, Jan–Feb 75 **(Fre)**

[Symptomatic significance of closing volume and closing capacity in the diagnosis of obstruction of the small airways] Marazzini I, et al. **Bronches** 25(1):12–8, Jan–Feb 75 **(Fre)**

[Symptomatic value of the difference between the functional plethysmographic residual capacity and the residual capacity measured by the dilution method, in obstructive diseases of the small airways] Vezzoli F, et al. **Bronches** 25(1):19–25, Jan–Feb 75 **(Fre)**

[Respiratory parameters in pneumoconiotic miners in the north French coal district (author's transl)] Guerrin F, et al. **Bull Physiopathol Respir (Nancy)** 11(4):569–88, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Study of ventilatory mechanics – its application to artificial ventilation (author's transl)] Harf A, et al. **Bull Physiopathol Respir (Nancy)** 11(5):709–28, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Editorial: Respiratory patterns in pneumoconioses (author's transl)] Sadoul P. **Bull Physiopathol Respir (Nancy)** 11(4):395–402, Jul–Aug 75 **(Fre)**

[Control of the respiration in teleostean fish: respiratory reactions to abrupt changes in the oxygenation of the medium] Eclancher B, et al. **C R Acad Sci [D] (Paris)** 280(3):307–10, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Respiratory effects of electric stimulation of pancreatic afferents in lightly anesthetized cats] Garnier L, et al. **C R Soc Biol (Paris)** 169(4):1001–6, 1975 (Eng. Abstr.) **(Fre)**

[Comparative study of ventilatory cycles in conscious ducks and chickens] J'ammes Y, et al. **C R Soc Biol (Paris)** 168(10–11–12):1353–8, 1974 (Eng. Abstr.) **(Fre)**

[Changes in ventilatory patterns before and after vagotomy in rabbits] Lefrançois R, et al. **C R Soc Biol (Paris)** 169(1):198–202, 1975 (Eng. Abstr.) **(Fre)**

[Sleep and respiration in the syndrome 'apnea during sleep' in the child] Guilleminault C, et al. **Electroencephalogr Clin Neurophysiol** 41(4):367–78, Oct 76 (Eng. Abstr.) **(Fre)**

[Rheology and biochemistry of secretions: relationship to respiratory function] pp. 19–36. Puchelle E, et al. **In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974.** (Eng. Abstr.) **(Fre)**

[Activity of the expiratory laryngeal motor neurons] Barillot JC, et al. **J Physiol (Paris)** 72(3):311–43, Jun 76 (36 ref.) (Eng. Abstr.) **(Fre)**

[Pulmonary stretch receptors activity during thermal polypnea (author's transl)] Hilaire G, et al. **J Physiol (Paris)** 70(2):219–38, Jul 75 (Eng. Abstr.) **(Fre)**

[Function of different medullary neurons in respiration] Hilaire G, et al. **J Physiol (Paris)** 70(6):759–77, Jan 76 (Eng. Abstr.) **(Fre)**

[Respiratory oscillation, central programming and motor command] Hugelin A. **J Physiol (Paris)** 72(4):489–501, 1976 **(Fre)**

[The lung in the aged. Clinical and radiologic functional study] Bergonzini R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:184–5, 1975 **(Fre)**

[Physiology of respiration in aged subjects] Spina G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:182–3, 1975 **(Fre)**

[The paradoxical pulse] Trigano JA. **Nouv Presse Med** 5(7):427–30, 14 Feb 76 **(Fre)**

[Fate of premature infants ventilated for idiopathic respiratory distress. I. Pulmonary outcome] Bourgeois J, et al. **Pediatrie** 30(8):793–808, Dec 75 **(Fre)**

[Functional exploration of peak expiratory rate in normal and asthmatic children. Apropos of 418 measurements] Carron R, et al. **Pediatrie** 31(4):349–65, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[The influence of anticipation of pain on heart and respiratory rates and on the pain reflex in man] Willer JC. **Physiol Behav** 15(5):411–5, Oct 75 (Eng. Abstr.) **(Fre)**

[Aerosol and ventilation pattern. Study on a mechanical model] Chassain AP, et al. **Poumon Coeur** 30(5):357–69, 1974 (Eng. Abstr.) **(Fre)**

[Chemoreflex control of ventilation in patients with chronic hypoxia] Flandrois R, et al. **Poumon Coeur** 30(4):301–11, 1974 (Eng. Abstr.) **(Fre)**

[Early functional disorders in 3 children exhibiting an obstructive syndrome and an alpha 1 antitrypsin deficiency] Gaultier C, et al. **Poumon Coeur** 31(5):291–5, 1975 (Eng. Abstr.) **(Fre)**

[Respiratory function changes in a group of heavy smokers following substitution of a less irritating cigarette for the smokers' habitual cigarette] Guillerm R, et al. **Poumon Coeur** 31(5):277–81, 1975 (Eng. Abstr.) **(Fre)**

[Value of the measurement of ventilatory and circulatory components in CO2 ductance] Hohn B, et al. **Poumon Coeur** 31(3):131–8, 1975 (Eng. Abstr.) **(Fre)**

[Comparative study of respiratory exchanging surfaces in birds and mammals] Jammes Y. **Poumon Coeur** 31(4):165–8, 1975 (Eng. Abstr.) **(Fre)**

[Introduction to the study of the transport and measurement

of oxygen in humans] Pocidalo JJ. **Poumon Coeur** 31(4):153–8, 1975 **(Fre)**

[Postoperative course of respiratory function in a series of bullous emphysema] Roeslin N, et al. **Poumon Coeur** 30(5):349–55, 1974 (Eng. Abstr.) **(Fre)**

[Response to exertion of patients with obstructive bronchopneumopathies in the stage of chronic hypoxia and hypercapnia (functional study)] Sergysels R, et al. **Poumon Coeur** 31(1):35–45, 1975 (Eng. Abstr.) **(Fre)**

[Regional distribution of pulmonary function studied with xenon 133 in chronic bronchitis and emphysema] Weitzenblum E, et al. **Poumon Coeur** 30(6):385–94, 1974 (Eng. Abstr.) **(Fre)**

[Measurement of pulmonary static volumes by spirographic, plethysmographic and radiologic methods: comparison of results in healthy subjects and patients with chronic obstructive broncho-pulmonary diseases] Weitzenblum E, et al. **Poumon Coeur** 30(5):339–47, 1974 (Eng. Abstr.) **(Fre)**

[Regional distribution of ventilation and perfusion in the beginning chronic bronchopneumopathies] Yernault JC, et al. **Poumon Coeur** 31(5):241–8, 1975 (Eng. Abstr.) **(Fre)**

[Physiological basis of balneotherapy. III. Physiological adaptations to changes induced by immersion] Lecomte J, et al. **Rev Med Liege** 30(17):569–78, 1 Sep 75 **(Fre)**

[Cerebrospinal fluid, factor in the central regulation of respiration] Safran AB. **Rev Otoneuroophtalmol** 47(5):405–15, Oct–Dec 75 **(Fre)**

[Experimental and clinical aspects of auto and coherence spectra of blood pressure, heart rate and respiratory rhythms] Zwiener U, et al. **Acta Biol Med Ger** 34(5):761–6, 1975 (Eng. Abstr.) **(Ger)**

[Controled respiration and assisted spontaneous respiration. Indication, technic, monitoring] Brinke G, et al. **Anaesthesiol Intensivmed Prax** 11(1):115–26, Oct 75 **(Ger)**

[Hyperthermia in the rabbit. II. Studies on influencing respiration with exogenic hyperthermia] Nichelmann M, et al. **Arch Exp Veterinaermed** 29(2):241–51, 1975 (Eng. Abstr.) **(Ger)**

[Effect of the type of management and training on heart rate, rectal temperature and respiration rate of domestic swine during physical exertion] Thalmann G, et al. **Arch Exp Veterinaermed** 29(1):99–110, 1975 (Eng. Abstr.) **(Ger)**

[Intrauterine fetal respiration—terminal pathologic procedure or physiologic process?] Dünhölter JH, et al. **Arch Gynaekol** 219(1–4):462, 18 Nov 75 **(Ger)**

[Continuing respiration monitoring of newborn infants following normal and pathological labor] Pott E, et al. **Arch Gynaekol** 219(1–4):457, 18 Nov 75 **(Ger)**

[Respiratory, voice and speech behavior in 4–year–olds] pp. 454–6. Spiecker–Henke M. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.** **(Ger)**

[Activation behavior in a compensatory tracking task in relation to performance (author's transl)] Schreinicke G, et al. **Int Arch Occup Environ Health** 36(3):183–95, 26 Jan 76 (Eng. Abstr.) **(Ger)**

[Respiration–phase coordinated thoracic radiographic pictures in infancy. Results and significance] Becker M. **Kinderaerztl Prax** 43(3):97–101, Mar 75 **(Ger)**

[Respiratory reflexes and their clinical significance] Nolte D. **Med Klin** 70(45):1793–1800, 7 Nov 75 (22 ref.) **(Ger)**

[Pulse rate, blood pressure and respiratory rate of subjects unexperienced in flying during a simulated flight program] Lang E, et al. **Med Welt** 27(2):70–4, 9 Jan 76 **(Ger)**

[Telemetry of heart and respiration rate while flying in gliders and airplanes under different flight conditions] Eichler J, et al. **Monatsschr Unfallheilkd** 78(6):283–9, Jun 75 (Eng. Abstr.) **(Ger)**

[Dependence of regional lung function on posture: radiospirometric findings in health] Ramos M, et al. **Nucl Med (Stuttg)** 15(1):18–21, Feb 76 (Eng. Abstr.) **(Ger)**

[Studies on the nasal respiration in school children] Fantoni M. **Oeff Gesundheitswes** 37(11):742–3, Nov 75 **(Ger)**

[Breath acetone and ketonemia in normal– and overweight subjects during total fasting (author's transl)] Göschke H, et al. **Res Exp Med (Berl)** 165(3):233–44, 24 Sep 75 (Eng. Abstr.) **(Ger)**

[Pulmonary function tests following single lung homotransplantation in emphysematous dogs (author's transl)] Schlick W, et al. **Res Exp Med (Berl)** 166(3):283–94, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[CO2 14 exhalation measurement in liver diseases] Glaubitt D, et al. **Rev Roum Med [Med Intern]** 13(2):119–24, 1975 **(Ger)**

[Geomedical ergometry in children. Comparative ergometry and spirography in urban, rural and alpine children] Biener K. **Sozialmed Paedagog Jugendkd** (11):1–69, 1975 (64 ref.) **(Ger)**

[Disturbances of ventilatory distribution as a cause of postoperative hypoxemia after cardio–thoracic surgery (author's transl)] Voigt E, et al. **Thoraxchirurgie** 23(4):383–8, Aug 75 (Eng. Abstr.) **(Ger)**

[Comparison of pulmonary function and histology in pulmonary fibrosis] Schlehe H, et al. **Verh Dtsch Ges Inn Med** 81:503–6, 1975 **(Ger)**

[Pulmonary gas exchange in shock lung] Schulz V. **Verh Dtsch Ges Inn Med** 81:463–78, 1975 **(Ger)**

[Olive spray aspiration by a Macintosh larynx sprayer with flexible atomizer] Weiser H. **Z Aerztl Fortbild (Jena)** 69(19):1032, 1 Oct 75 **(Ger)**

[Breath–analysis tests in gastroenetrological diagnosis] Caspary WF. **Z Gastroenterol** 13(8):704–14, Dec 75 (57 ref.) (Eng. Abstr.) **(Ger)**

[The significance of physiologic parameters for stress determination in simple directional movements] Scheuch K, et al. **Z Gesamte Hyg** 21(7):548–53, Jul 75 (Eng. Abstr.) **(Ger)**

[Telemetric transmission of harmful substance concentrations in the breathing zone as determined in human subjects] Schreinicke G, et al. **Z Gesamte Hyg** 20(4):201–4, Apr 74 (Eng. Abstr.) **(Ger)**

[A contribution to the origin of lordotic curved back through persisting abdominal breathing (pBA) (author's transl)] Kügelgen HV. **Z Orthop** 114(2):247–52, Apr 76 (Eng. Abstr.) **(Ger)**

[A portable oxygen therapy appliance] Stober D. **Zentralbl Chir** 100(7):440–1, 1975 **(Ger)**

[Tooth abrasion and breathing] Daiberl K. **ZWR** 85(10):472–4, 25 May 76 **(Ger)**

[Intrauterine fetal breathing] Sadovsky E, et al. **Harefuah** 88(11):497–8, 1 Jun 75 (Eng. Abstr.) **(Heb)**

[Prevention of bronchopneumopathic complications in scoliosis] Bariffi F, et al. **Arch Monaldi** 29(5–6):466–76, Sep–Dec 74 **(Ita)**

[Pectus excavatum: clinico–radiological contribution] Brancaccio M, et al. **Arch Monaldi** 29(5–6):491–3, Sep–Dec 74 **(Ita)**

[Cardiocirculatory and respiratory physiopathology of pulmonary thromboembolism] Carratu' L, et al. **Arch Monaldi** 29(5–6):451–65, Sep–Dec 74 (Eng. Abstr.) **(Ita)**

[Respiratory physiopathology in the deformities of the spinal column] Marra A, et al. **Arch Monaldi** 29(5–6):421–37, Sep–Dec 74 (Eng. Abstr.) **(Ita)**

[Effects of isometric exercise (handgrip) on the respiratory system] Corsini G, et al. **Boll Soc Ital Biol Sper** 52(5):301–5, 15 Mar 76 **(Ita)**

[Spirometric and biochemical changes in athletes who practice rowing. IV. Biochemical changes in basal conditions and after intense activity] Graziadei L, et al. **Boll Soc Ital Biol Sper** 50(23–24):2024–7, 30 Dec 74 **(Ita)**

[Biochemical and cardio–respiratory evaluation of a group of athletes in various experimental conditions. II. Spirometric studies] Lombardi S, et al. **Boll Soc Ital Biol Sper** 52(3):117–20, 15 Feb 76 **(Ita)**

[Changes in some biological parameters in 2 groups of animals exposed to experimental hypoxia, of which 1 group was simultaneously perfused with perhydrol] Tarzia R, et al. **Boll Soc Ital Biol Sper** 51(12):728–34, 30 Jun 75 **(Ita)**

[Influence of respiration on the transmural pressure of the lesser circulation] Benza GC, et al. **Boll Soc Ital Cardiol** 20(1):59–66, 1975 (Eng. Abstr.) **(Ita)**

[Research on neuro–humoral regulation of the circulation. Study of the cardiovascular and respiratory reflex responses caused by stimulation of chemoreceptors sensitive to bradykinin in the femoral circulatory region] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(1):61–83, 1974 (Eng. Abstr.) **(Ita)**

[Respiratory autogenic training in the psychological obstetric preparation for childbirth] Giannelli M. **Minerva Ginecol** 27(12):992–1004, Dec 75 (Eng. Abstr.) **(Ita)**

[Relation between structure and function in the field of respiratory physiopathology] Ricca M. **Minerva Med** 66(78):4063–74, 17 Nov 75 **(Ita)**

[Respiratory gases and hemodynamics of the lesser circulation] Dagianti A, et al. **Recent Prog Med (Roma)** 58(6):678–90, Jun 75 (114 ref.) (Eng. Abstr.) **(Ita)**

[Functional symptomatology of the small air passages] Marazzini L, et al. **Recent Prog Med (Roma)** 58(6):691–708, Jun 75 (95 ref.) (Eng. Abstr.) **(Ita)**

[Internal chemoreceptors. Chemical regulation of respiration] Zucconi–Grassi G, et al. **Recent Prog Med (Roma)** 58(6):605–42, Jun 75 (115 ref.) (Eng. Abstr.) **(Ita)**

[The effect of nasal obstruction on the susceptibility of mice to noxious gases (author's transl)] Nakajima K, et al. **Exp Anim (Tokyo)** 24(2):45–52, Apr 75 (Eng. Abstr.) **(Jpn)**

[Index of gas exchange capacity of the artificial lung] Nomura N, et al. **J Jpn Assoc Thorac Surg** 23(12):1402–11, Dec 75 (Eng. Abstr.) **(Jpn)**

[Changes of nasal airway resistance caused by breath holding. I. Results in normal subjects (author's transl)] Hasegawa M, et al. **J Otolaryngol Jpn** 79(1):30–5, 20 Jan 76 (Eng. Abstr.) **(Jpn)**

[Proceedings: Inhibition of inspiratory neurons and shortening of expiratory phase caused by stimulation of the reticular formation of the medulla oblongata] Kusaji R, et al. **J Physiol Soc Jpn** 36(8–9):375–6, 1 Sep 74 **(Jpn)**

[Relationship between respiratory frequency and depth during exercise (author's transl)] Miyamura M, et al. **J Physiol Soc Jpn** 37(1):1–3, 1 Jan 75 **(Jpn)**

[Proceedings: Effect of electric stimulation of the lateral cervical cord on respiration] Natsui T. **J Physiol Soc Jpn** 36(8–9):375, 1 Sep 74 **(Jpn)**

[Respiratory fluctuations of the microvibration of the body surface (author's transl)] Ozaki T, et al. **J Physiol Soc Jpn** 37(10):307–9, 1975 **(Jpn)**

[Respiratory pattern in brain injuries with brain–stem syndrome] Uchida M. **Jpn J Anesthesiol** 24(6):545–51, Jun 75 (Eng. Abstr.) **(Jpn)**

[Analysis of synchronization phenomena of the respiratory rhythm through electric stimulation of the phrenic nerve] Ikeda K, et al. **Jpn J Med Electron** 12(6):372–80, Dec 74 (Eng. Abstr.) **(Jpn)**

[Expiratory dynamics of the emphysematous lung] Suwa N. **Jpn J Med Electron** 13(5):259–66, Oct 75 (Eng. Abstr.) **(Jpn)**

[Non–invasive tidal volume monitoring by impedance pneumography—correlation between respiratory delta Z and tidal volume] Ito A. **Jpn J Thorac Dis** 13(2):87–93, Feb 75 (Eng. Abstr.) **(Jpn)**

[Bronchial constriction in asthmatic subjects following deep inspiration] Kagawa J, et al. **Jpn J Thorac Dis** 14(1):3–8, Jan 76 (Eng. Abstr.) **(Jpn)**

[Reaction of carbon dioxide (CO2) inhalation in a conscious man] Nitta S, et al. **Jpn J Thorac Dis** 13(10):579–84, Oct 75 (Eng. Abstr.) **(Jpn)**

[Artificial hyperventilation in head injury. I. Spontaneous hyperventilation and assisted ventilation (author's transl)] Katsurada K, et al. **Neurol Surg (Tokyo)** 3(2):131–8, Feb 75 (Eng. Abstr.) **(Jpn)**

[Hypersomnia with periodic breathing during sleep—its clinical features and physio–pathological mechanism (author's transl)] Furuya E. **Psychiatr Neurol Jpn** 77(12):891–914, 1975 (Eng. Abstr.) **(Jpn)**

[Editorial: CSF and respiration—history of a quarter of a century] Honda Y. **Respir Circ (Tokyo)** 24(5):375, May 76 **(Jpn)**

[Control of depth and rate of breathing (author's transl)] Kobayasi S. **Respir Circ (Tokyo)** 23(8):672–81, Aug 75 **(Jpn)**

[An analytical method of the pulmonary gas exchange System (author's transl)] Mochizuki M, et al. **Respir Circ (Tokyo)** 23(6):489–97, Jun 75 **(Jpn)**

[Interface of the functions of respiration and circulation] Nagano J. **Respir Circ (Tokyo)** 24(7):631, Jul 76 **(Jpn)**

[Theoretical and clinical studies of respiration physiology. (1). AaDo2] Ohta Y. **Respir Circ (Tokyo)** 23(11):984, Nov 75 **(Jpn)**

[Theories on inert gas exchange in the tissue (author's transl)] Ohta Y, et al. **Respir Circ (Tokyo)** 24(3):188–96, Mar 76 **(Jpn)**

[Pulmonary gas exchange function of supine elderly subjects, in relation to closing volumes (author's transl)] Ohtsuka H, et al. **Respir Circ (Tokyo)** 24(4):329–33, Apr 76 (Eng. Abstr.) **(Jpn)**

[Clinical value of respiratory QRS voltage changes in children and adolescents] Szafjański B. **Kardiol Pol** 19(2):145–54, 1976 (Eng. Abstr.) **(Pol)**

[Effect of fat–containing diet on body weight, the respiratory coefficient and oxygen consumption in induced obesity in Wistar rats] Halikowski B, et al. **Pediatr Pol** 50(11):1313–21, Nov 75 (Eng. Abstr.) **(Pol)**

[Pulmonary ventilation and sputum viscosity in miners with chronic bronchitis complicating pneumoconiosis] Turczyński B, et al. **Pol Tyg Lek** 31(27):1141–3, 5 Jul 76 (Eng. Abstr.) **(Pol)**

[Effect of pulmonary ventilation capacity on the postoperative course in thoraco–pulmonary surgery] Popa N, et al. **Rev Chir [Chir]** 24(5):361–5, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Flow–volume curves in the naso–laryngeal obstructive syndrome as compared with those of a group of normal subjects] Olariu B, et al. **Rev Chir [Otorinolaringol]** 21(1):13–22, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Effect of smoking on ventilatory function in foundry workers] Golli V, et al. **Rev Ig [Pneumoftiziol]** 23(4):379–86, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Comparative study of spirographic values and scintigraphic aspects in patients with bronchopulmonary diseases] Jozefovics F, et al. **Rev Ig [Pneumoftiziol]** 24(2):113–5, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Pulmonary function in chronic bronchitis and emphysema. VI. Pulmonary mixing] Teculescu D, et al. **Rev Med Intern [Med Intern]** 27(2):111–20, Mar–Apr 75 (Eng. Abstr.) **(Rum)**

[Changes in acid–base equilibrium and respiratory gases in asthmatic crisis] Vasilescu E, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(4):327–33, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Clinico–functional correlations in chronic obstructive bronchopneumopathy: dyspnea and pulmonary distribution] Manicatide M, et al. **Stud Cercet Med Interna** 14(1):55–61, 1973 (Eng. Abstr.) **(Rum)**

[Specific features of the external respiration in pregnant women with congenital heart diseases of the pallid type] Golubev VA, et al. **Akush Ginekol (Mosk)** (11):45–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Intrauterine aspiration in man in the early fetal period] Makkaveeva MIu. **Arkh Patol** 37(12):41–6, 1975 (Eng. Abstr.) **(Rus)**

[The activity of olfactory bulb neurons synchronous with respiration] Eksler ND, et al. **Biol Nauki** (4):39–43, 1975 **(Rus)**

[External respiration and the functional state of the respiratory center in hypoxia developing against a background of inactivated carbonic anhydrase] Kulik AM, et al. **Biull Eksp Biol Med** 81(2):152–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Bronchial wedge pressure in experimental pulmonary emphysema] Tetenev FF. **Biull Eksp Biol Med** 81(1):30–2, Jan 76 (Eng. Abstr.) **(Rus)**

[Optimal respiratory regimens during thoracic surgery] Averbakh MM, et al. **Eksp Khir Anesteziol** (2):68–70, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Changes in the external respiration and hemodynamics during the inhalation of increasing concentrations of carbon dioxide by the rebreathing method] Butenko AT. **Eksp Khir Anesteziol** (1):67–9, 1976 **(Rus)**

[Functional and morphological characteristics of compensatory processes in dogs following resection of the lung with a correctional lift of the diaphragm] Kalinichev GA, et al. **Eksp Khir Anesteziol** (1):27–9, 1976 (Eng. Abstr.) **(Rus)**

[Mechanics of respiration in patients with the tetralogy of Fallot] Kartavenko VI, et al. **Eksp Khir Anesteziol** (1):45–7, 1976 (Eng. Abstr.) **(Rus)**

[Changes in external respiration during terminal states caused by acute experimental pneumothorax] Machavariani ShS, et al. **Eksp Khir Anesteziol** (3):74–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[The relationship between periodic changes in the activity of the cardiovascular system and the mechanism of actualization of motor reactions in the antenatal period] Arshavskiĭ IA, et al. **Fiziol Zh SSSR** 61(4):509–17, Apr 75 **(Rus)**

[Human perception of one's own respiratory volume] Breslav IS, et al. **Fiziol Zh SSSR** 61(4):593–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Analysis of the imperative stimulus restricting voluntary breath holding] Breslav IS, et al. **Fiziol Zh SSSR** 62(7):997–1006, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of transection of the forebrain, diencephalon and midbrain on respiration in cats] Butukhanov VV. **Fiziol Zh SSSR** 62(7):983–9, Jul 76 (Eng. Abstr.) **(Rus)**

[The effect of active acclimatization to the altitude of Pamir on physical endurance] Danilelko VI. **Fiziol Zh SSSR** 62(2):222–9, Feb 76 **(Rus)**

[Ventilatory responses in man to hypoxia and hypercapnia under conditions of decreased respiratory resistance] Khvalibova RI. **Fiziol Zh SSSR** 62(7):1024–7, Jul 76 **(Rus)**

[Changes in the pulmonary ventilation of cats with a combination of increased respiratory resistance and hypercapnia before and after vagotomy] Kliueva NZ. **Fiziol Zh SSSR** 62(7):1007–12, Jul 76 (Eng. Abstr.) **(Rus)**

[Dynamics of the process of gas transport into the body using a mathematical model] Kolchinskaia AZ, et al. **Fiziol Zh SSSR** 62(7):1047–55, Jul 76 (Eng. Abstr.) **(Rus)**

[The activity of the internal laryngeal muscles during respiration] Krylov BS, et al. **Fiziol Zh SSSR** 61(7):1054–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Reorganization of the function of several intrinsic laryngeal muscles as a result of exclusion of one of them during respiration] Krylov BS, et al. **Fiziol Zh SSSR** 62(7):1028–35, Jul 76 (Eng. Abstr.) **(Rus)**

[Response of the human ventilatory apparatus to additional respiratory resistance upon inhalation of normo– and hypercapnic mixtures] Pogodin MA. **Fiziol Zh SSSR** 62(7):1019–23, Jul 76 (Eng. Abstr.) **(Rus)**

[Reaction of the human ventilatory apparatus to supplementary respiratory resistance upon inhalation of normo– and hypercapnic mixtures] Pogodin MA. **Fiziol Zh SSSR** 62(7):1013–8, Jul 76 (Eng. Abstr.) **(Rus)**

[Respiratory dead space] Shik LL. **Fiziol Zh SSSR** 62(7):1039–46, Jul 76 (Eng. Abstr.) **(Rus)**

[External respiration and oxygenation of arterial blood in animals in an atmosphere with an increased concentration of oxygen] Troshikhin GV, et al. **Fiziol Zh SSSR** 62(7):1068–73, Jul 76 (Eng. Abstr.) **(Rus)**

[Current system of terms and their abbreviations in respiratory physiology] Tsuzmer TS. **Fiziol Zh SSSR** 62(7):1080–93, Jul 76 **(Rus)**

[The relationship between lung volume and discharges of individual groups of pulmonary stretch receptors] Zhdanov VA. **Fiziol Zh SSSR** 62(2):254–63, Feb 76 (Eng. Abstr.) **(Rus)**

[Method of controlling the entry of radioactive aerosols into the organs of respiration] Andronov SA, et al. **Gig Sanit** (6):62–6, Jun 76 **(Rus)**

[The thoron content (Tn220) of the air expired by rats after intratracheal administration of thoron compounds] Pavlovskaia NA, et al. **Gig Sanit** (10):45–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Rate of methane emission with the expired air in a stimulation of a man working in an insulating outfit] Sedov AV, et al. **Gig Sanit** (3):32–4, Mar 76 (Eng. Abstr.) **(Rus)**

[Gas metabolism and the mechanics of respiration in chronic dust bronchitis] Nikolaeva LN, et al. **Gig Tr Prof Zabol** (2):19–23, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of mediastinal hernias of the lung on the function of external respiration after pneumonectomy] Evfim'evskiĭ VP. **Grudn Khir** (4):60–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of artificial ventilation of the lungs on respiratory mechanics] Gologorskiĭ VA, et al. **Grudn Khir** (3):98–104, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of external respiratory function after reconstructive-plastic surgery and routine resections in lung cancer] Kharchenko VP, et al. **Grudn Khir** (4):78–82, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Nature of preoperative functional disorders in the systems of external respiration and circulation in patients with bronchiectasis] Kukosh VI, et al. **Grudn Khir** (4):71–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[External respiration and gas exchange in children with chronic nonspecific lung diseases after surgical treatment] Rokitskiĭ MR, et al. **Grudn Khir** (3):79–84, May–Jun 74 (Eng. Abstr.) **(Rus)**

[External respiration in patients with chronic pneumonia] Uglov FG, et al. **Grudn Khir** (3):74–8, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Respiratory changes in the minute and stroke volumes under normal conditions and in certain types of pulmonary pathology] Seppen MA, et al. **Kardiologiia** 15(6):118–20, Jun 75 **(Rus)**

[Functional state of the apparatus of external respiration in patients with hypertensive disease] Solomonova LN. **Kardiologiia** 15(8):97–102, Aug 75 **(Rus)**

[Regulation of interrelation between pulmonary ventilation and circulation] Volyntseva VA, et al. **Kardiologiia** 15(8):127–32, Aug 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course of cardiac asthma attack in relation to the condition of bronchial patency] Badalian GO, et al. **Klin Med (Mosk)** 52(3):110–5, Mar 74 (Eng. Abstr.) **(Rus)**

[Steadiness of pulmonary ventilation and methods of its determination in chronic pneumonia] Boksha VG, et al. **Klin Med (Mosk)** 53(2):76–8, Feb 75 (Eng. Abstr.) **(Rus)**

[Relationship between oxidative processes and external respiration in patients with chronic pneumonia] Boksha VG, et al. **Klin Med (Mosk)** 53(12):49–52, Dec 75 **(Rus)**

[Oxygen deficiency and the effectiveness of ventilation as indicators of the physical work capacity of patients with chronic pneumonia] Damir AM, et al. **Klin Med (Mosk)** 52(1):90–5, Jan 74 (Eng. Abstr.) **(Rus)**

[Correlation between functional condition of the myocardium, hemodynamics of the lesser circulation and function of external respiration in patients with acute pneumonia] Sidorenko GI, et al. **Klin Med (Mosk)** 53(7):105–9, Jul 75 **(Rus)**

[Function of external respiration in patients with lung abscesses before and after conservative treatment] Slobodianiuk AD, et al. **Klin Med (Mosk)** 53(12):52–60, Dec 75 (Eng. Abstr.) **(Rus)**

[Function of the external respiration in glomerulonephritis] Stavskaia VV. **Klin Med (Mosk)** 52(3):37–41, Mar 74 (Eng. Abstr.) **(Rus)**

[Effect of prednisolone on the diffusion capacity of the lungs in sarcoidosis] Volkova KI. **Klin Med (Mosk)** 52(3):115–20, Mar 74 (Eng. Abstr.) **(Rus)**

[Effectiveness of a helium–oxygen gas mixture in transverse accelerations] Kamenskiĭ IuN, et al. **Kosm Biol Aviakosm Med** 9(4):53–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia on indices of external respiration, cardiovascular system and blood gas composition] Korkushko OV, et al. **Kosm Biol Aviakosm Med** 10(2):45–50, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Results of impedance pneumography studies] Savel'eva VG. **Kosm Biol Aviakosm Med** 10(2):81–2, Mar–Apr 76 **(Rus)**

[Human work capacity at high altitudes] Turkmenov MT, et al. **Kosm Biol Aviakosm Med** 9(6):70–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Gas metabolism in hypercapnia with different oxygen content] Zagriadskiĭ VP, et al. **Kosm Biol Aviakosm Med** 9(5):61–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Character of the neuro–humoral interrelationships and the function of external respiration in combined injuries to the skull and locomotor system] Bazarevich GIa, et al. **Ortop Travmatol Protez** (1):38–41, Jan 76 (Eng. Abstr.) **(Rus)**

[Pulmonary ventilation and gas exchange in shock after acute trauma] Komarov BD, et al. **Ortop Travmatol Protez** (9):5–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Mask anesthesia in spontaneous lung ventilation as an adequate type of anesthesia in major operations on the limbs] Ostrovskiĭ VIu, et al. **Ortop Travmatol Protez** (2):41–2, Feb 76 **(Rus)**

[Breathing valves for rats] Butaev BM. **Patol Fiziol Eksp Ter** (4):86–7, Jul–Aug 75 **(Rus)**

[Effect of exercise therapy on the function of external respiration in children with chronic nonspecific pneumonia] Fadeeva MA, et al. **Pediatriia** (4):33–6, Apr 75 **(Rus)**

[Quantitative evaluation of informative value of the functional indicators characterizing the state of external respiration in children with broncho–pulomonary pathology] Liubchenko LN, et al. **Pediatriia** (4):10–3, Apr 75 (Eng. Abstr.) **(Rus)**

[Current problems of the pathogenesis of whooping cough] Shvalko AD, et al. **Pediatriia** (1):15–20, Jan 74 (Eng. Abstr.) **(Rus)**

[The role of the 'VA/Q line' in a periodically ventilated lung model] Shabel'nikov VG. **Probl Kosm Biol** 31:216–34, 1975 **(Rus)**

[Role of diffusion in the intrapulmonary blending of gases] Sidorenko LA, et al. **Probl Kosm Biol** 31:177–90, 1975 **(Rus)**

[Function of external respiration in patients with pulmonary tuberculosis and bronchial asthma] Boush GV. **Probl Tuberk** (9):43–7, 1975 (Eng. Abstr.) **(Rus)**

[Dynamics of the indicators of pulmonary ventilation in patients with disseminated tuberculosis of the lungs before and after surgery] Kartavenko AN, et al. **Probl Tuberk** (9):39–43, 1975 (Eng. Abstr.) **(Rus)**

[Effect of heat stress on the body temperature, respiration and pulse of dogs chronically exposed to gamma–radiation] Popova NA, et al. **Radiobiologiia** 15(3):465–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Function of external respiration in recurrent myocardial infarct] Kireev PM, et al. **Sov Med** (11):150–1, Nov 75 **(Rus)**

[Function of external respiration in patients with rheumatic heart disease] Beliaeva SI, et al. **Ter Arkh** 47(12):128–9, 1975 **(Rus)**

[External respiration and blood histamine and serotonin levels in chronic pneumonia in the exacerbation phase] Efendieva LT, et al. **Ter Arkh** 47(3):60–3, 1975 **(Rus)**

[Ventilation and gas exchange reactions to physical loading (60 W) in chronic pneumonia] Golosovskaia OM. **Ter Arkh** 47(3):63–9, 1975 (Eng. Abstr.) **(Rus)**

[Clinical course and function of external respiration in mitral heart defects under conditions of high altitude] Iusupova NIa. **Ter Arkh** 47(12):120–2, 1975 **(Rus)**

[Problem of the multiple–connected regulation of respiratory indices (pH, pO2, pCO2) of the body] Iumatov EA. **Usp Fiziol Nauk** 6(4):34–64, Oct–Dec 75 (119 ref.) **(Rus)**

[Pulmonary and alveolar ventilation, gas exchange and pulmonary diffusing capacity in women in normal pregnancy and in pregnancy complicated by nephropathy] Lopatin VA, et al. **Vestn Akad Med Nauk SSSR** (6):74–8, 1975 (Eng. Abstr.) **(Rus)**

[Effect of pulmonectomy in pregnant rats on the state of gas exchange in their progeny] Viazov OE, et al. **Vestn Akad Med Nauk SSSR** (6):82–8, 1975 **(Rus)**

[Measurement of thoracic complex electrical resistance (impedance)] Danilov EN, et al. **Vestn Khir** 116(2):32–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Changes of certain indicators of gas exchange and hemodynamics under conditions of long–term peridural anesthesia after lung resection] Kibrik BS, et al. **Vestn Khir** 116(3):109–12, Mar 76 (Eng. Abstr.) **(Rus)**

[State of hemodynamics and external respiration during peridural anesthesia] Konopliankin AA. **Vestn Khir** 114(9):92–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Bronchospirometric and rheographic characteristics of external respiration and hemodynamics of the lesser circulation in purulent lung diseases] Lutsenko SM, et al. **Vestn Khir** 115(11):61–5, Nov 75 (Eng. Abstr.) **(Rus)**

[State of regional hemodynamics and pulmonary ventilation following resection of the stomach] Lutsenko SM, et al. **Vestn Khir** 114(4):18–21, Apr 75 (Eng. Abstr.) **(Rus)**

[Certain indicators of external respiration and acid–base equilibrium in children during ophthalmological operations] Sinel'shchikova LV, et al. **Vestn Oftalmol** (6):47–50, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Displacement of the esophagus under normal conditions and in different postures of the patient and phases of respiration] Rybakova NI, et al. **Vestn Rentgenol Radiol** (5):10–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of ultrasound on the indices of the function of external respiration in patients with silicosis] Alferova IN. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):551–5, Nov–Dec 75 **(Rus)**

[Change of hemodynamic indicators and the function of external respiration in patients with hypertensive disease under the effect of single–stage carbonate baths of the Arzni health resort] Amatunian VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (2):139–43, Mar–Apr 75 **(Rus)**

[Effect of exercise therapy on the function of external respiration in children with exacerbation of chronic pneumonia] Fonareva TA. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):445–8, Sep–Oct 75 **(Rus)**

[Indices of the functional state of the external respiratory apparatus under physical load in test subjects] Solomonova LN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):234–7, May–Jun 75 **(Rus)**

[Adaptation of healthy children and adolescents to the conditions of a high altitude mountain climate] Iakushenko MN, et al. **Vopr Okhr Materin Det** 20(8):64–6, Aug 75 (Eng. Abstr.) **(Rus)**

[Function of external respiration and hemodynamics of the lesser blood circulation circuit in lung cancer patients] Lutsenko SM, et al. **Vopr Onkol** 21(8):25–33, 1975 (Eng. Abstr.) **(Rus)**

[Relationship between external respiration and oxidative processes under the effect of health–resort–climatic treatment of chronic pneumonia] Boksha VG, et al. **Vrach Delo** (11):51–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Comparison of residual volume with other indicators of respiratory function in patients with bronchial asthma] Borisko AS. **Vrach Delo** (1):98–101, Jan 74 (Eng. Abstr.) **(Rus)**

[Effect of bronchospirometry on the function of external respiration and hemodynamics of the lesser circulation] Butenko AT. **Vrach Delo** (12):68–71, Dec 75 (Eng. Abstr.) **(Rus)**

[Dynamics of metalloenzymes and indicators of external respiration during treatment of bronchial asthma] Dumka RN, et al. **Vrach Delo** (3):99–102, Mar 76 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the external respiratory function and lesser circulation in myocardial infarct of different localization Kireev PM, et al. **Vrach Delo** (1):27–30, Jan 74 (Eng. Abstr.) **(Rus)**

[Function of external respiration in obesity] Kolesnikov IuP. **Vrach Delo** (6):23–5, Jun 74 (Eng. Abstr.) **(Rus)**

[Changes in the acid-base equilibrium and external respiration in postgastrectomy syndromes] Mikanba ZM. **Vrach Delo** (6):83–7, Jun 74 (Eng. Abstr.) **(Rus)**

[External respiration and hemodynamics in patients with silicosis] Romanov AA. **Vrach Delo** (3):96–9, Mar 76 (Eng. Abstr.) **(Rus)**

[Indicators of the function of external respiration in different degree of pulmonary-cardiac insufficiency and pulmonary hypertension] Sakharchuk II, et al. **Vrach Delo** (10):39–43, Oct 75 (Eng. Abstr.) **(Rus)**

[Function of external respiration in patients clinically cured of pulmonary tuberculosis with its evolution into metatuberculous pneumosclerosis] Shevchenko RN. **Vrach Delo** (10):49–52, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of working conditions on the indicators of external respiration in workers of a ferroalloy plant] Triatsyn NI. **Vrach Delo** (12):109–2, Dec 75 (Eng. Abstr.) **(Rus)**

[Zonal ventilation and blood flow in patients with pulmonary emphysema] Zhukovskii LI, et al. **Vrach Delo** (4):58–60, Apr 75 (Eng. Abstr.) **(Rus)**

[Clinico-functional characteristics of decompensated mitral valve defect under high altitude conditions] Iusupova NIa. **Zdravookhr Kirg** (2):6–11, Mar-Apr 75 **(Rus)**

[The role of neuromediators in changes in the character of respiration and in its correction following cranio-cerebral trauma] Bazarevich GIa, et al. **Zh Nevropatol Psikhiatr** 75(11):1656–9, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the body's oxygen regime in hypothalamic syndromes under the influence of hypoxic mixtures] Dinaburg AD, et al. **Zh Nevropatol Psikhiatr** 76(3):362–9, 1976 (Eng. Abstr.) **(Rus)**

[Systemic homeostatic reactions of the peripheral cerebral circulation and respiration in lesions at various levels of the brain stem] Filippycheva NA, et al. **Zh Nevropatol Psikhiatr** 74(1):21–8, 1974 (Eng. Abstr.) **(Rus)**

[The relationship between the state of the pulmonary circulation and indices of cerebral gas exchange in patients with acquired heart defects] Gebel' GIa, et al. **Zh Nevropatol Psikhiatr** 76(3):385–95, 1976 (Eng. Abstr.) **(Rus)**

[State of the function of external respiration and of pulmonary gas exchange in patients with nasal pathology causing difficulty in nasal breathing] Kurilin IA, et al. **Zh Ushn Nos Gorl Bolezn** (6):8–14, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Patterns in the restructuring of EEG frequency spectra] Eliner GI, et al. **Zh Vyssh Nerv Deiat** 26(3):639–42, May-Jun 76 (Eng. Abstr.) **(Rus)**

[Behavioral, electrophysiologic and vegetative correlates of self stimulation in dogs] Vainshtein II, et al. **Zh Vyssh Nerv Deiat** 25(2):272–9, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Vasomotor reflexes in the vascular bed in skin of extremities induced by a deep breath (author's transl)] Kellerová E. **Bratisl Lek Listy** 64(5):616–25, Nov 75 (Eng. Abstr.) **(Slo)**

[The respiratory curve in immature newborns as an indicator of adaptation in the first days of life (author's transl)] Spišáková I, et al. **Bratisl Lek Listy** 65(2):198–204, 1976 (Eng. Abstr.) **(Slo)**

[Respiratory reflexes in early ontogenesis] Korpáš J. **Cesk Fysiol** 24(6):543–5, 1975 **(Slo)**

[Dynamics of flow changes in the brain during calm breathing] Murín M, et al. **Cesk Fysiol** 24(5):443–5, 1975 **(Slo)**

[Regulatory mechanisms of the cardiorespiratory relationship at the level of the hypothalamus] Petrilák J, et al. **Cesk Fysiol** 24(4):345–8, 1975 **(Slo)**

[Pulmonary vascular resistance during calm respiration and cough in cats] Samseli A, et al. **Cesk Fysiol** 25(1):23–6, 1976 **(Slo)**

[Cinematographic analysis of the respiratory function of glottis] Tomori Z. **Cesk Fysiol** 25(1):49–53, 1976 **(Slo)**

[Clinical rhinomanometry. Functional exploration of nasal resistancies] Montserrat Viladiu JM. **An Otorrinolaringol Ibero Am** 1(2):13–63, 1974 (Eng. Abstr.) **(Spa)**

[Changes in ventilation during anesthesia with selective bronchial intubation] Torrado L, et al. **Rev Esp Anestesiol Reanim** 22(3):227–33, May 75 **(Spa)**

[The point of respiratory inversion (PRI) hypothesis on its origin] Molina R, et al. **Rev Esp Enferm Apar Dig** 47(3):309–16, Mar 76 **(Spa)**

[Normal respiratory response to physical exercise at moderate altitude (author's transl)] Rangel-Abundis A, et al. **Rev Invest Clin** 28(02):137–50, Apr-Jun 76 (Eng. Abstr.) **(Spa)**

[Oxygen regimes in the bodies of patients with a vegetative-vascular hypothalamic syndrome in hypoxic hypoxia] Dinaburh HD, et al. **Fiziol Zh** 20(3):299–303, May-Jun 74 (Eng. Abstr.) **(Ukr)**

[Several functional indices of the respiratory systems of student-gymnasts] Ivashchenko VP, et al. **Fiziol Zh** 21(3):381–8, May-Jun 75 (Eng. Abstr.) **(Ukr)**

[Evaluation of the efficiency of external respiratory function in extensive lesions of the lung tissue and in hypoxia in man] Lauér NV, et al. **Fiziol Zh** 21(6):800–6, Nov-Dec 75 (Eng. Abstr.) **(Ukr)**

[The basic vital functions of the body in the recuperative period following resuscitation] Makarenko MV, et al. **Fiziol Zh** 21(4):454–61, Jul-Sep 75 (Eng. Abstr.) **(Ukr)**

[Effect of training loads of differing direction on the efficiency of the external respiration in top-class bicyclists] Monogarov VD, et al. **Fiziol Zh** 21(6):807–12, Nov-Dec 75 (Eng. Abstr.) **(Ukr)**

[Cardiorespiratory correlates of an experimental model of 'anticipation stress'] Samokhvalov VG. **Fiziol Zh** 22(3):373–9, MAR-APR 76 (Eng. Abstr.) **(Ukr)**

[Gas exchange and the acid-base equilibrium in pregnancy with rheumatic fever prior to labor] Kuz'menko ZP, et al. **Pediatr Akush Ginekol** (5):44–6, 1975 **(Ukr)**

[State of the reserve potentials of the external respiratory apparatus in late pregnancy toxicoses] Zhupamenko TI, et al. **Pediatr Akush Ginekol** :46–9, May-Jun 76 **(Ukr)**

DRUG EFFECTS

Proceedings: The influence of oxyprothepine on the resistance of the central nervous system of rats against ischemia during ontogeny. Staudacherová D, et al. **Act Nerv Super (Praha)** 17(4):210, 1975

Cardio-respiratory effects of some commonly used intravenous induction agents. Savege TM, et al. **Acta Anaesthesiol Belg** 25(3):316–29, 1974

Postanaesthetic use of naloxone hydrochloride after moderate doses of fentanyl. Andersen R, et al. **Acta Anaesthesiol Scand** 20(3):255–8, 1976

Cardiovascular effects of benzquinamide in man. Kingston RS, et al. **Acta Anaesthesiol Scand** 19(3):187–92, 1975

Anesthesia for cesarean section V: effects of enflurane anesthesia on the respiratory adaptation of the newborn in elective cesarean section. Magno R, et al. **Acta Anaesthesiol Scand** 20(2):147–55, 1976

Respiration and circulation after total hip replacement surgery. A comparison between parenteral analgesics and continuous lumbar epidural block. Modig J. **Acta Anaesthesiol Scand** 20(3):225–36, 1976

Effect of heroin on perinatal respiration. Glass L, et al. **Addict Dis** 2(1–2):357–68, 1975

Respiratory depressant effects of ethanol: mediation by serotonin. Smith AA, et al. **Adv Exp Med Biol** 59:407–17, 1975

Cardiovascular and respiratory reflexes elicited by bradykinin acting on receptor sites (K & P) in the muscular circulatory area. Tallarida G, et al. **Adv Exp Med Biol** 70(00):301–14, 1976

Some special respiratory effects of CO2 in pigeons. Bucher K, et al. **Agents Actions** 5(4):378–82, Oct 75

Effects of an inhaled bronchodilator on gas distribution and over-all ventilatory efficiency in patients with chronic obstructive pulmonary disease. Cutillo A, et al. **Am J Med** 61(1):74–84, Jul 76

Maternal smoking and fetal breathing movements. Gennser G, et al. **Am J Obstet Gynecol** 123(8):861–7, 15 Dec 75

Comparison of effect of narcotic and epidural analgesia on postoperative respiratory function. Miller L, et al. **Am J Surg** 131(3):291–4, Mar 76

Effects of acetylpromazine on ventilatory variables in the horse. Muir WW, et al. **Am J Vet Res** 36(10):1439–42, Oct 75

Ventilatory response to carbon dioxide in young athletes: a family study. Saunders NA, et al. **Am Rev Respir Dis** 113(4):497–502, Apr 76

Pulmonary effects of chronic exposure to airborne cadmium. Smith TJ, et al. **Am Rev Respir Dis** 114(1):161–9, Jul 76

Response of asthmatics to methacholine and suggestion. Spector S, et al. **Am Rev Respir Dis** 113(1):43–50, Jan 76

Effects of divided doses of neostigmine on the dynamics of decurarization. Potocki B, et al. **Anaesth Resusc Intensive Ther** 3(3):238–45, Jul-Sep 75

The respiratory effects of hydroxyzine, diazepam and pentazocine in man. Gasser JC, et al. **Anaesthesia** 31(6):718–23, Jul 76

Respiratory effects of 'lissive' anaesthesia using gallamine. Macfarlane DW, et al. **Anaesthesia** 31(2):200–4, Mar 76

Cardiovascular and respiratory effects of isoproterenol before and after artificial heart implantation. Liu WS, et al. **Anesth Analg (Cleve)** 55(4):560–7, Jul-Aug 76

Biphasic respiratory depression after fentanyldroperidol or fentanyl alone used to supplement nitrous oxide anesthesia. Becker LD, et al. **Anesthesiology** 44(4):291–6, Apr 76

Partial paralysis with d-tubocurarine and the ventilatory response to CO2: An example of respiratory sparing? Gal TJ, et al. **Anesthesiology** 45(1):22–8, Jul 76

Interaction of the effects of hydroxyzine and pentazocine on human respiration. Gasser JC, et al. **Anesthesiology** 43(5):599–601, Nov 75

Hypoxic ventilatory drive in dogs during thiopental, ketamine, or pentobarbital anesthesia. Hirshman CA, et al. **Anesthesiology** 43(6):628–34, Dec 75

Lidocaine and increased respiratory resistance produced by ultrasonic aerosols. Loehning RW, et al. **Anesthesiology** 44(4):306–10, Apr 76

Prolonged depression of respiratory rate following methadone analgesia. Norris JV, et al. **Anesthesiology** 45(3):361–2, Sep 76

Effect of atropine upon the cardiovascular system during soman-induced respiratory depression. Lipp JA. **Arch Int Pharmacodyn Ther** 220(1):19–27, MAR 76

Respiratory and circulatory reflexes induced by nicotine injections: role of carotid body chemoreceptors. Zapata P, et al. **Arch Int Pharmacodyn Ther** 219(1):128–39, Jan 76

Acute changes in ventilation and blood pressure induced by inhalation of tobacco smoke. Zapata P, et al. **Arch Int Pharmacodyn Ther** 219(1):116–27, Jan 76

Effect of fominoben-HCl on circulation, pulmonary gas exchange and acid-base balance at rest and during exercise. Koch G. **Arzneim Forsch** 26(3):438–41, 1976

Comparative study of the activity of boric, benzene-boronic and methyl-benzene-boronic acids upon respiration, general metabolism and systemic hemodynamics of the anesthetized dog. Pham-Huu-Chanh, et al. **Arzneim Forsch** 25(7):1023–8, Jul 75

General pharmacological properties of a new non-opiate antitussive: zipeprol (3024 CERM). I. Action on respiratory function and acute toxicity. Rispat G, et al. **Arzneim Forsch** 26(4):523–30, Apr 76

Proceedings: Respiration and amnesia after lorazepam or morphine premedication. Cormack RS, et al. **Br J Anaesth** 48(8):813–4, Aug 76

Letter: Respiratory effects of lorazepam. Dodson ME, et al. **Br J Anaesth** 48(6):611–2, Jun 76

Respiratory depression in newborn monkeys at Caesarean section following ketamine administration. Eng M, et al. **Br J Anaesth** 47(9):917–21, Sep 75

Effect of pentobarbitone on hypoxic ventilatory drive in man: Preliminary study. Hirshman CA, et al. **Br J Anaesth** 47(9):963–8, Sep 75

Benzoctamine-a study of the respiratory effects of oral doses in human volunteers and interactions with morphine in mice. Utting HJ, et al. **Br J Anaesth** 47(9):987–92, Sep 75

The effects of pentobarbitone and pethidine on foetal breathing movements in sheep. Boddy K, et al. **Br J Pharmacol** 57(2):311–7, Jun 76

Proceedings: Influence of etorphine acepromazine and diprenorphine on respiratory function in ponies. Hillidge CJ, et al. **Br J Pharmacol** 55(2):269P, Oct 75

Effect of intravenous infusion of salbutamol on ventilatory response to carbon dioxide and hypoxia and on heart rate and plasma potassium in normal men. Leitch AG, et al. **Br Med J** 1(6006):365–7, 14 Feb 76

Effect of atenolol on ventilatory and cardiac function in asthma. Vilsvik JS, et al. **Br Med J** 2(6033):453–5, 21 Aug 76

Proceedings: Local anaesthesia of the airways. Cross BA, et al. **Bull Physiopathol Respir (Nancy)** 11(2):95P–96P, Mar-Apr 75

Proceedings: SO2 and the pattern of breathing. Dixon M, et al. **Bull Physiopathol Respir (Nancy)** 11(2):94P–95P, Mar-Apr 75

Proceedings: The effects of anaesthetics on different components of the respiratory control system. Karczewski WA. **Bull Physiopathol Respir (Nancy)** 11(2):83P–84P, Mar-Apr 75

Recovery of ventilatory response to carbon dioxide after thiopentone, morphine and fentanyl in man. Rigg JR, et al. **Can Anaesth Soc J** 23(4):370–82, Jul 76

Effects of three pesticides on respiration, coughing, and heart rates of rainbow trout (Salmo gairdneri Richardson). Lunn CR, et al. **Can J Zool** 54(2):214–9, Feb 76

Effects of graded infusions of monomethylmethacrylate on coagulation, blood lipids, respiration and circulation. An experimental study in dogs. Modig J, et al. **Clin Orthop** (113):187–97, Nov-Dec 75

Respiratory effects of lorazepam, pentobarbital, and pentazocine. Gasser JC, et al. **Clin Pharmacol Ther** 18(2):170–4, Aug 75

Effect of diazepam on ventilatory responses. Lakshminarayan S, et al. **Clin Pharmacol Ther** 20(2):178–83, Aug 76

Respiratory and circulatory effects of intravenous butorphanol and morphine. Nagashima H, et al. **Clin Pharmacol Ther** 19(6):738–45, Jun 76

The effect of anaesthesia of the airway in dog and man: a study of respiratory reflexes, sensations and lung mechanics. Cross BA, et al. **Clin Sci Mol Med** 50(6):439–54, Jun 76

The effects of carbon dioxide on the respiratory movements of the hatching chick. Dawes CM. **Comp Biochem Physiol [A]** 52(2):291–4, 1 Oct 75

The effect of ketamine on heart rate, respiration rate and EEG of white leghorn hens. Salerno A, et al. **Comp Biochem Physiol [C]** 55(1):69–75, 1976

The respiratory control of the heartbeat the first Louis H. Nahum lecture. (Second of two parts). Hoff HE, et al. **Conn Med** 39(8):485–92, Aug 75

Recovery of central respiratory function following anticholinesterase intoxication. Adams GK 3d, et al. **Eur J Pharmacol** 38(1):101–12, Jul 76

The effect of naloxone on the depression of the early respiratory activity of neonates produced by maternal pethidine analgesia. pp. 72–3. Evans JM, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Air pollution and childhood ventilatory function I. Exposure to particulate matter in two southeastern cities, 1971–1972. pp 285–303. Chapman RS, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Pulmonary function test in children exposed to air pollution. pp 305–20. Kagawa J, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

A new approach for the quantitative evaluation of the respiratory effect of main analgesic combination in man. pp. 339–47. Rétsági G, et al. **In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.**

Circulatory and respiratory changes following electrolytes or 5% albumin solution in resuscitation. pp. 149–63. Moss GS, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

The effects of corticosteroids on systemic oxygenation and pulmonary shunting in septic shock. pp. 92–101. Shatney CH, et al.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c. (29 ref.)

Alteration of hemodynamics, blood gases and lung morphology in bromocarbamide intoxication (animal experiments). Neuhof H, et al.
Int J Clin Pharmacol Biopharm 12(3):349–55, Oct 75

Proceedings: A study of the in vitro effect of mercenene on respiration and glycolysis. Sommers AB, et al.
J Am Osteopath Assoc 75(4):432–3, Dec 75

Effect of ether on control of rate and depth of breathing in newborn rabbits. Thach BT, et al. **J Appl Physiol** 40(3):281–6, Mar 76

Mechanism of the ventilatory response to carbon monoxide. Santiago TV, et al. **J Clin Invest** 57(4):977–86, Apr 76

Cardiorespiratory response to a new isoquinoline derivative in critically III patients. Makabali GG, et al.
J Clin Pharmacol 15(10):685–94, Oct 75

The effect of cholinergic and anticholinergic agents on the primate model of allergic asthma. Patterson R, et al.
J Lab Clin Med 87(1):65–72, Jan 76

Cardiorespiratory effects of a balanced anesthetic technique in outpatient general anesthesia. Campbell RL, et al.
J Oral Surg 34(5):399–406, May 76

Tolerance to the respiratory effects of marijuana in man. Bellville JW, et al. **J Pharmacol Exp Ther** 197(2):326–31, May 76

A comparative study of the analgesic and respiratory effects of N–allylnorcodeine (nalodeine), nalorphine, codeine and morphine. Rundlett Beyer J, et al.
J Pharmacol Exp Ther 198(2):330–9, Aug 76

Respiratory and cardiovascular effects of prostaglandins in the conscious guinea pig. Weissberg RM, et al.
J Pharmacol Exp Ther 198(1):197–208, Jul 76

Proceedings: Comparison of effects of ammonia and CS aerosol upon exercise ventilation and cardiac frequency in healthy men. Cole TJ, et al. **J Physiol (Lond)** 252(2):28P–29P, Nov 75

Proceedings: Effect of airway anaesthesia on the ventilatory response to CO2 in man. Cross B, et al.
J Physiol (Lond) 252(2):34P–35P, Nov 75

Proceedings: Blood platelet thrombus and changes in cardiopulmonary function after the intravenous injection of ADP. Kobayashi I, et al. **J Physiol Soc Jpn** 36(8–9):379, 1 Sep 74

On the toxicity of procaine for pigs. Mitchell G, et al.
J S Afr Vet Assoc 46(3):259–60, Sep 75

Hemodynamic and respiratory responses of conscious swine to E. coli endotoxin. Brown PP, et al. **J Trauma** 16(3):184–90, Mar 76

Sensory irritation of the upper respiratory tract by sulfur dioxide. Wakisaka I. **Jpn J Hyg** 30(5):543–8, Dec 75

Cocaine: tolerance to its convulsant and cardiorespiratory stimulating effects in the monkey. Matsuzaki M, et al.
Life Sci 19(2):193–203, 15 Jul 76

Delta9–tetrahydrocannabinol: depression of ventilatory regulation; other respiratory and cardiovascular effects. Moss IR, et al. **Life Sci** 19(1):99–104, 1 Jul 76

Action of tilidine hydrochloride and morphine hydrochloride on ventilatory control in normal subjects. Maranetra N, et al. **Med J Aust** 1(12):397–8, 20 Mar 76

Letter: Statistical analysis of respiratory sensitivity to CO2. Small RD. **N Engl J Med** 295(7):397, 12 Aug 76

Carbon dioxide response curves during hypothermia. Ruiz AV. **Pfluegers Arch** 358(2):125–33, 21 Jul 75

Effects of cyanide and doxapram during panting. Ruiz AV. **Pfluegers Arch** 361(1):79–81, 19 Dec 75

Effects of cyanide and doxapram during hypothermia. Ruiz AV. **Pfluegers Arch** 361(1):75–8, 19 Dec 75

Effect of pyruvate and oleate on respiration of frog skeletal and heart muscle. Zubairi F, et al. **Physiol Bohemoslov** 24(6):521–8, 1975

Alterations in gas exchange after aerolized orciprenaline in relation to obstruction and hypoxemia. Thoma R, et al.
Pneumonologie 152(1–3):209–13, 26 Sep 75

Effect of prostaglandin F2 alpha on lung mechanics in extrinsic asthma. Patel KR. **Postgrad Med J** 52(607):275–8, May 76

Carbon dioxide sensitivity in chronic lung disease. Howell JB. **Proc R Soc Med** 68(4):243, Apr 75

Bronchopulmonary effects of prostaglandin F2alpha and three of its metabolites in the dog. Wassermann MA.
Prostaglandins 9(6):959–73, Jun 75

The actions of flunitrazepam (Rohypnol) on heart and respiratory rates and skin potential fluctuations during the sleep cycle in normal volunteers and neurotic patients with insomnia. Monti JM, et al. **Psychopharmacologia** 43(2):187–90, 21 Aug 75

Ventilatory response to CO2 inhalation and intravenous infusion of hypercapnic blood. Linton RA, et al.
Respir Physiol 26(3):383–94, MAY 76

Effect of isosorbide dinitrate on hemodynamics and respiration of patients with coronary artery disease and of patients with chronic cor pulmonale. Konietzko N, et al. **Respiration** 32(5):368–77, 1975

Effect of beta receptor–stimulating drugs on the cardiovascular and respiratory function of critically ill patients with serious heart disorders. Tekeres M, et al.
Resuscitation 3(3):189–94, 1974

The effect of 15 ME–PGF2alpha on the N2–closing volume. Andersen LH, et al. **Scand J Respir Dis [Suppl]** (95 suppl):27–31, 1976

Changes in rat respiratory behavior under varying PCO2 levels and argon content in hyperbaric Ar–O2–CO2 atmospheres. Friess SL, et al. **Undersea Biomed Res** 3(2):85–94, Jun 76

Respiratory stimulation observed following ethanol ingestion. Bellville JW, et al. **West J Med** 124(5):423–5, May 76

[Some changes in respiration and hemodynamics during general anesthesia in endoscopic urological operations and manipulations] Ivanova Ts, et al. **Khirurgiia (Sofiia)** 29(1):59–64, 1976 (Eng. Abstr.) **(Bul)**

[Combination of R3365 (piritramide) and dehydrobenzperidol in animals. Respiratory effects and analgesia] Courtois P, et al. **Ann Anesthesiol Fr** 16(5):341–7, Sep 75 (Eng. Abstr.) **(Fre)**

[Action of methadone on the respiration and biliary secretion of the rat] Vaille C, et al. **Ann Pharm Fr** 33(8–9):425–32, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Respiratory stimulant effect of S 2620 in the dog anesthetized with pentobarbital] Gastaud M, et al.
C R Soc Biol (Paris) 169(6):1579–84, 1975 (Eng. Abstr.) **(Fre)**

[Analysis of the cardio–respiratory functions during pedodontic treatments with ketamine] Di Nino GF, et al.
Rev Belge Med Dent 31(1):41–8, 1976 **(Fre)**

[Effects of marijuana and D–amphetamine on the appetite, food consumption and various cardio–respiratory variables in man] Gagnon MA, et al. **Union Med Can** 104(6):914–21, Jun 75 (Eng. Abstr.) **(Fre)**

[The respiratory effect of doxapram and pentazocine and their interaction (author's transl)] Gasser JC, et al.
Anaesthesist 24(12):526–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of various drugs, administered in the delivery room, on maternal respiration, blood circulation and arterial blood gases] Huch A, et al. **Arch Gynaekol** 219(1–4):279–80, 18 Nov 75 **(Ger)**

[On respiratory stimulation by aminophenazol in global insufficiency due to chronic–obstructive diseases of the lungs (author's transl)] Bieber RJ. **Arzneim Forsch** 26(5):928–31, 1976 (Eng. Abstr.) **(Ger)**

[Ipratropium bromide in controlled clinical trials. Short communication (II): Time–response measurements of pulmonary function after ipratropium bromide and isoprenaline] Strsemann E. **Arzneim Forsch** 26(5a):1015–7, 1976 (Eng. Abstr.) **(Ger)**

[Pharmacological respiratory stimulation] pp. 168–74.
Lanser KG, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck., Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[The effect of allopurinol on hemodynamic, respiratory and biochemical functional values in heal.h persons following oral administration] Sziegoleit W, et al.
Int J Clin Pharmacol Biopharm 12(4):408–18, Dec 75 (Eng. Abstr.) **(Ger)**

[Comparison between the respiratory effect of two beta adrenergic blocking drugs (practolol and prindolol)(author's transl)] Gavrilescu S. **Praxis** 64(23):727–9, 10 Jun 75 (Eng. Abstr.) **(Ger)**

[Effect of two cardioselective beta adrenergic blocking agents on patients with chronic obstructive lung disease(author's transl)] Pantzer M. **Praxis** 64(23):721–6, 10 Jun 75 (Eng. Abstr.) **(Ger)**

[Pulmonary gas exchange and pulmonary perfusion during dopamine administration] Goeckenjan G, et al.
Verh Dtsch Ges Inn Med 81:487–90, 1975 **(Ger)**

[The effects of flunitrazepam (rohypnol) on respiration (author's transl)] Benke A, et al. **Wien Klin Wochenschr** 87(19):656–8, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Effects of naftidrofuryl (Dusodril) on central hemodynamics and respiration] Reiterer W. **Wien Med Wochenschr** 125(46):663–6, 14 Nov 75 **(Ger)**

[The response of various indices of respiratory function to bronchodilator agents] Cutillo A, et al.
Atti Accad Med Lomb 27(1–4):134–6, 1972 **(Ita)**

[Research on the neurohumoral regulation of the circulation. Cardiovascular and respiratory reflex responses after chemical stimulation of vascular receptors in the femoral circulation region] Tallarida G, et al.
Boll Soc Ital Cardiol 19(7):749–74, 1974 (Eng. Abstr.) **(Ita)**

[Research on the neuro–humoral regulation of circulation. Analysis of the cardiovascular and respiratory reflex responses induced by intracarotid injection of bradykinin] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(1):85–106, 1974 (Eng. Abstr.) **(Ita)**

[Use of pancuronium bromide in general anesthesia in patients with high surgical risk] Rossi G, et al.
Minerva Anestesiol 41(4):169–77, Apr 75 (Eng. Abstr.) **(Ita)**

[Action of salbutamol by aerosol administration on ventilatory mechanics in asthmatic subjects] Brettoni B, et al. **Minerva Med** 67(16):1027–32, 31 Mar 76 **(Ita)**

[Changes in static and dynamic volumes in bronchial asthmatics treated with salbutamol by oral administration] Carnimeo N, et al. **Minerva Med** 67(17):1147–50, 7 Apr 76 **(Ita)**

[Essential pharmacology of salbutamol, a highly selective beta–2 adrenergic receptor stimulator] Jack D.
Minerva Med 67(16):1070–8, 31 Mar 76 **(Ita)**

[Study of the ventilatory and cardiocirculatory effects of a beta–2–stimulating drug (salbutamol) in patients with the respiratory dysfunctional syndrome of the obstructive type] Melillo G, et al. **Minerva Med** 67(15):964–8, 13 Mar 76 **(Ita)**

[Comparative study of the effectiveness of beta–adrenergic stimulatin drugs] Palmer KN. **Minerva Med** 67(17):1095–102, 7 Apr 76 **(Ita)**

[Pulmonary mechanics in rats maintained on different diets with or without the addition of salbutamol] Sussi GW, et al. **Minerva Med** 67(16):1036–48, 31 Mar 76 **(Ita)**

[Proceedings: Effect of excessive carbon dioxide loading the central respiratory activities] Kobayashi S, et al.
J Physiol Soc Jpn 36(8–9):376, 1 Sep 74 **(Jpn)**

[Effects of intravenous administration of ethanol on airway dynamics] Mima M, et al. **Jpn J Anesthesiol** 24(13):1351–7, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Effects of various glucocorticoids on airway dynamics] Mima M, et al. **Jpn J Anesthesiol** 25(3):286–92, Mar 76 (Eng. Abstr.) **(Jpn)**

[Untoward effect of monomeric methylmethacrylate cement on the respiratory system during surgery] Shirai K.
Jpn J Anesthesiol 24(9):886–90, Sep 75 (Eng. Abstr.) **(Jpn)**

[Effect of compounds selectively stimulating beta adrenergic receptors on pulmonary circulation, ventilation and gas exchange in patients with asthma] Zieliński J, et al.
Pneumonol Pol 44(5):463–70, May 76 (Eng. Abstr.) **(Pol)**

[Effect of arfonad on the respiratory and cardiovascular systems of parturients with late pregnancy toxemias] Kalganova RI, et al. **Akush Ginekol (Mosk)** (9):44–8, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of inhalation anesthetics (ether, fluothane, methoxyflurane) on the mechanism of respiration under conditions of spontaneous pulmonary ventilation] Vishnevskaia DN, et al. **Eksp Khir Anesteziol** (5):71–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the combined action of fentanyl and sodium oxybutyrate on respiration] Bender KI, et al.
Farmakol Toksikol 38(5):555–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Regulation of respiration under conditions of inhibition of carbonic anhydrase activity by diamox] Kulik AM, et al.
Fiziol Zh SSSR 62(7):990–6, Jul 76 (Eng. Abstr.) **(Rus)**

[External respiration and gas exchange in workers exposed to the action of lubricating oil aerosols] Bruskin ZZ, et al. **Gig Tr Prof Zabol** (4):28–30, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of non–inhalation anesthetics (barbiturates, ketamine) on respiratory mechanics during basal anesthesia] Gologorskii VA, et al. **Grudn Khir** (6):75–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effectiveness of a combination of mexamine and cystamine and their combined effect on respiratory exchange in mice] Kautská J, et al. **Radiobiologiia** 16(1):83–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Racial influence on the ventilatory response to hypoxia and hypercapnia (author's transl)] Cruz JC, et al.
Acta Physiol Lat Am 25(1):23–32, 1975 **(Spa)**

[Use of naloxone in 50 patients anesthetized with morphine or morphinomimetics] Arias A, et al.
Rev Esp Anestesiol Reanim 23(2):131–51, Mar 76 **(Spa)**

RADIATION EFFECTS

[State of the ventilation and perfusion of the lungs in intensive preoperative irradiation of patients with bronchial cancer] Tsigankov AT, et al. **Med Radiol (Mosk)** 21(2):22–8, Feb 76 (Eng. Abstr.) **(Rus)**

[External respiration in radiation treatment of patients with breast cancer] Kantin AV, et al. **Vopr Onkol** 22(2):22–8, 1976 (Eng. Abstr.) **(Rus)**

RESPIRATION, ARTIFICIAL

Contribution to the study of chest and lung mechanics in artificially ventilated normal man during surgery. Gillard C, et al. **Acta Anaesthesiol Belg** 23 Suppl:19–42, 1975

Treatment of comatose patients by mechanical hyperventilation. Mouawad E, et al.
Acta Anaesthesiol Belg 26(1):61–71, Apr 75

Cardiorespiratory function during thoracic anaesthesia: a comparison of two–lung ventilation and one–lung ventilation with and without PEEP5. Aalto–Setälä M, et al. **Acta Anaesthesiol Scand** 19(4):287–95, 1975

The effect of respiratory frequency on pulmonary function during artificial ventilation. A review. Hedenstierna G.
Acta Anaesthesiol Scand 20(1):20–31, 1976 (31 ref.)

Jet ventilation for fiberoptic bronchoscopy under general anesthesia. Smith RB, et al. **Acta Anaesthesiol Scand** 20(2):111–6, 1976

Prolonged artificial hyperventilation in cerebral apoplexy. Christensen MS. **Acta Anaesthesiol Scand [Suppl]** (62):1–24, 1976

Artificial hyperventilation during 21 years in three cases of complete respiratory paralysis. Christensen MS, et al.
Acta Med Scand 198(5):409–13, Nov 75

Proceedings: Ventricular fluid lactate, pyruvate, bicarbonate and pH in unconscious brain injury patients under controlled ventilation. Cold G, et al.
Acta Neurochir (Wien) 31(3–4):266–7, 1975

Intensive respiratory care: from ICU to home. Ostrow LS. **Am J Nurs** 76(1):111–2, Jan 76

Letter: Relief of tension pneumothorax. Asbury AJ. **Anaesthesia** 31(6):801–2, Jul 76

An indication for spontaneous respiration. Condon HA. **Anaesthesia** 31(4):511–2, May 76

Letter: A simple method of recording the ventilator history of a patient. Gilston A. **Anaesthesia** 30(5):692, Sep 75

Airway closure during mechanical ventilation. Hedenstierna G, et al. **Anesthesiology** 44(2):114–23, Feb 76

Letter: Shunt fraction during oxygen ventilation. Pace NL. **Anesthesiology** 45(2):261–3, Aug 76

Shunt, lung volume and perfusion during short periods of ventilation with oxygen. Suter PM, et al. **Anesthesiology** 43(6):617–27, Dec 75

The effect of different modes of artificial ventilation and of some prophylactic means on the incidence of postoperative deep vein thrombosis. Takkunen O. **Ann Chir Gynaecol Fenn** 64 Suppl 191:3–43, 1975

Controlled trial of continuous inflating pressure for hyaline membrane disease. Durbin GM, et al. **Arch Dis Child** 51(3):163–9, Mar 76

Displacement of cerebellar tissue into spinal canal. A component of the respirator brain syndrome. Herrick MK, et al. **Arch Pathol** 99(11):565–71, Nov 75

Proceedings: The effect of ventilation on renal blood flow in greyhounds. Bevan DR, et al. **Br J Anaesth** 47(9):1023, Sep 75

The anatomical and alveolar deadspaces during respirator treatment. Influence of respiratory frequency, minute volume and tracheal pressure. Hedenstierna G. **Br J Anaesth** 47(9):993–9, Sep 75

Airway compliance during artificial ventilation. Hedenstierna G, et al. **Br J Anaesth** 47(12):1277–81, Dec 74–75

Circulatory responses to ketamine: dependence on respiratory pattern and background anaesthesia in the rabbit. McGrath JC, et al. **Br J Anaesth** 47(11):1149–56, Nov 75

Effects of ketamine on central sympathetic discharge and the baroreceptor reflex during mechanical ventilation. McGrath JC, et al. **Br J Anaesth** 47(11):1141–7, Nov 75

Management of hyaline membrane disease. Reynolds EO. **Br Med Bull** 31(1):18–24, Jan 75

Monitoring of ventilation and lung mechanics during automatic ventilation. A new device. Jonson B, et al. **Bull Physiopathol Respir (Nancy)** 11(5):729–43, Sep–Oct 75

Tracheostomy for prolonged ventilation. Jayasuriya JP, et al. **Ceylon Med J** 20(4):246–52, Dec 75

Letter: Early ambulation of patients requiring ventilatory assistance. Burns JR, et al. **Chest** 68(4):608, Oct 75

Editorial: Who should supervise respiratory intensive care units? Zwillich CW, et al. **Chest** 70(03):323–5, Sep 76

Management of carbon monoxide poisoning in the absence of hyperbaric oxygenation chamber. Bourtros AR, et al. **Crit Care Med** 4(3):144–7, May–Jun 76

Airway maintenance in patients with long-term endotracheal intubation. Comer PB, et al. **Crit Care Med** 4(4):211–4, Jul–Aug 76

Haemodynamic performance and weaning from mechanical ventilation following open-heart surgery. Wolff G, et al. **Eur J Intensive Care Med** 1(3):99–104, Nov 75

The Quinlan decision: five commentaries. Obscuring the role of the physician. Branson R, et al. **Hastings Cent Rep** 6(1):8–11, Feb 76

The Quinlan decision: five commentaries. Disconnection: the clinician's view. Levine MD. **Hastings Cent Rep** 6(1):11–12, Feb 76

Weaning the patient from mechanical ventilation. Fitzgerald LM, et al. **Heart Lung** 5(2):228–34, Mar–Apr 76

The moral dilemmas of the Quinlan case. Connery JR. **Hosp Prog** 56(12):18–9, Dec 75

An electromechanical demand regulated liquid breathing system. Shaffer TH, et al. **IEEE Trans Biomed Eng** 22(5):412–7, Sep 75

Analysis and simulation of an adaptive system for forced ventilation of the lungs. Woo JL, et al. **IEEE Trans Biomed Eng** 22(5):400–11, Sep 75

Carbon dioxide regulation and maintenance of the physical stability of the lung during controlled ventilation. pp. 545–7. Arias Alvarez A.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Vicarious elimination of excess CO2 in chronic hypercapnia treated with mechanical ventilation. pp. 539–44. de Frutos Herranz M.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Routine ventilatory care following coronary artery surgery. pp. 430–1. Estafanous FG.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Long-term ventilation and cerebral circulation. pp. 503–5. Gordon E.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Management of acute head injuries by controlled ventilation. pp. 784–9. Gordon E.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Effects of controlled hyperventilation on brain energy and acid–base parameters. pp. 553–6. Nilsson L.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Effects of controlled hyperventilation on cerebral blood flow in patients during anaesthesia. pp. 846–9. Pichlmayr I, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Nutritional problems associated with long-term respiratory care. pp. 497–502. Steinbereithner K.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Electrocardiographic follow-up after artificial ventilation for hyaline membrane disease grade II: prelminary report. pp. 523–6. Monset-Couchard M.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Developmental follow-up of artificially ventilated infants with neonatal respiratory failure. pp. 471–85. Outerbridge EW, et al.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Artificial pulmonary ventilation during surgery under extracorporeal circulation. Darbinyan TM. **Int Anesthesiol Clin** 14(3):33–48, Fall 76

Carboxyhaemoglobin dissociation in the cadaver following attempted resuscitation. Rice HM. **J Clin Pathol** 29(1):27–9, Jan 76

Judge rules for respirator use and traditional medical standards. Regier H. **J Leg Med** 3(10):12–4, Nov–Dec 75

Continuous dynamic monitoring of pressure and flow patterns during assisted ventilation. Galvis AG, et al. **J Pediatr Surg** 11(3):307–14, Jun 76

A procedure for management of acquired tracheoesophageal fistula in ventilator patients. Bartlett RH. **J Thorac Cardiovasc Surg** 71(1):89–95, Jan 76

Effects of assisted ventilation on echocardiographic findings in two infants with patent ductus arteriosus. Purohit DM, et al. **J Thorac Cardiovasc Surg** 72(2):294–5, AUG 76

Therapeutic use of helium–oxygen mixture in continuous positive airway pressure for early weaning from mechanical ventilation after cardiovascular surgery in infants. Tatsuno K, et al. **J Thorac Cardiovasc Surg** 72(1):119–22, Jul 76

Weaning from mechanical ventilation. Sahn SA, et al. **JAMA** 235(20):2208–12, 17 May 76

Positive end-expiratory pressure in weaning patients from controlled ventilation. A prospective randomised trial. Feeley TW, et al. **Lancet** 2(7938):725–9, 18 Oct 75

Optimal respirator settings in assisted respiration. Jain VK. **Med Biol Eng** 12(4):425–30, Jul 74

A dual control system for assisting respiration. Mitamura Y, et al. **Med Biol Eng** 13(6):846–53, Nov 75

Evaluation of a cardiopulmonary resuscitation course for secondary schools. Vanderschmidt H, et al. **Med Care** 13(9):763–74, Sep 75

Physical aspects of automatic respirators. Baum M, et al. **Med Prog Technol** 3(3):105–9, 3 Dec 75

Care of the mechanically ventilated patient. Garrett G. **Nurs Times** 72(18):693–4, 6 May 76

Respiratory distress sydnrome of the newborn. Current status of ventilatory assistance. Hakanson DO, et al. **Postgrad Med** 58(3):200–6, Sep 75

The effect of artificial ventilation on cardiovascular status and on heart rate conditioning in the curarized rat. Middaugh S, et al. **Psychophysiology** 12(5):520–6, Sep 75

Anaesthesia and intensive care in eclampsia. Negovsky VA, et al. **Resuscitation** 3(3):157–63, 1974

Airway stability during anaesthesia with artificial ventilation. Hedenstierna G, et al. **Scand J Respir Dis [Suppl]** (95 suppl):39–47, 1976

Aggressive treatment of acute respiratory insufficiency. Civetta JM, et al. **South Med J** 69(6):749–51, Jun 76

Surgical aspects of airway management in infants and children. Johnson DG, et al. **Surg Clin North Am** 56(2):263–79, Apr 76

Evaluation of ventilatory therapy for acid aspiration. Flint L, et al. **Surgery** 78(4):492–8, Oct 75

Quantitative tracheal cultures in surgical patients requiring mechanical ventilatory assistance. Polk HC Jr. **Surgery** 78(4):485–91, Oct 75

Xe133 elimination from human fat during negative- and positive-pressure breathing. Balldin UI, et al. **Undersea Biomed Res** 3(2):163–9, Jun 76

[Case of successfully performed long-term mechanical ventilation of the lungs in the newborn surgical patient] Atanasov A, et al. **Khirurgiia (Sofiia)** 28(2):194–5, 1975 **(Bul)**

[Experience with assisted ventilation in low-birth-weight newborn infants using an overpressure ventilator] Mydlil V, et al. **Cesk Pediatr** 31(1):2–5, Jan 76 (Eng. Abstr.) **(Cze)**

[Hyperventilation therapy in acute tricyclic antidepressive poisoning. Controlled clinical research] Lomholt BS. **Ugeskr Laeger** 138(1):4–9, 29 Dec 75 (Eng. Abstr.) **(Dan)**

[Idiopathic respiratory distress syndrome. Technic and results of a 3 1/2 year series] Risbo A. **Ugeskr Laeger** 138(24):1455–8, 7 Jun 76 (Eng. Abstr.) **(Dan)**

[2 cases of respiratory assistance with a membrane oxygenator] Fogliani J, et al. **Ann Anesthesiol Fr** 16(5):355–65, Sep 75 (Eng. Abstr.) **(Fre)**

[Important physiological considerations in artificial respiration and reanimation of newborn infants] Strang LB. **Ann Anesthesiol Fr** 16 Spec No 1:97–100, 1975 (Eng. Abstr.) **(Fre)**

[Hyaline membrane disease. Results of treatment using continuous positive pressure of the airways, with or without ventilatory assistance] Lejeune JA, et al. **Arch Fr Pediatr** 32(3):213–34, Mar 75 (Eng. Abstr.) **(Fre)**

[Study of ventilatory mechanics – its application to artificial ventilation (author's transl)] Harf A, et al. **Bull Physiopathol Respir (Nancy)** 11(5):709–28, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Tetanus and pregnancy. Labor with assisted respiration] L'yvonnet M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):545–7, Jun 76 (Eng. Abstr.) **(Fre)**

[Fate of premature infants ventilated for idiopathic respiratory distress. I. Pulmonary outcome] Bourgeois J, et al. **Pediatrie** 30(8):793–808, Dec 75 **(Fre)**

[Psychological repercussions of the long respiratory assistance] Rivaille C. **Rev Neuropsychiatr Infant** 24(7–8):393–403, Jul–Aug 76 (Eng. Abstr.) **(Fre)**

[Letter: Assisted respiration in home care] Vyličil P, et al. **Dtsch Med Wochenschr** 101(37):1370, 10 Sep 76 **(Ger)**

[Development after respiratortreatment during the newborn period (author's transl)] Hohenauer L, et al. **Klin Paediatr** 188(2):131–4, Mar 76 (Eng. Abstr.) **(Ger)**

[Long-term artificial respiration in the treatment of neonatal tetanus (author's transl)] Schlenk R, et al. **Prakt Anaesth** 11(3):156–60, Jun 76 (Eng. Abstr.) **(Ger)**

[Acupuncture analgesia and controlled respiration. A new modified method of anesthesia in open heart surgery (author's transl)] Herget HF, et al. **Thoraxchirurgie** 23(4):410–5, Aug 75 (Eng. Abstr.) **(Ger)**

[Artificial respiration as treatment of postoperative complications after cardiovascular surgery: indication, technique, results (author's transl)] Pokar H, et al. **Thoraxchirurgie** 23(4):372–4, Aug 75 (Eng. Abstr.) **(Ger)**

[Pulmonary dysfunction after open heart surgery – effects of pre-existence of pulmonary hypertension and methods of post-operative respiratory care] Atobe Y, et al. **Jpn J Anesthesiol** 25(1):71–7, Jan 76 (Eng. Abstr.) **(Jpn)**

[Factors affecting pulmonary arterial carbon dioxide concentration (Paco2) during artificial ventilation with general anesthesia] Takahashi K, et al. **Jpn J Anesthesiol** 25(1):51–7, Jan 76 (Eng. Abstr.) **(Jpn)**

[Artificial hyperventilation in head injury. I. Spontaneous hyperventilation and assisted ventilation (author's transl)] Katsurada K, et al. **Neurol Surg (Tokyo)** 3(2):131–8, Feb 75 (Eng. Abstr.) **(Jpn)**

[Artificial respiration] Nagano J. **Respir Circ (Tokyo)** 23(8):714, Aug 75 **(Jpn)**

[A case report of interruption of the aortic arch: Consideration on postoperative respiratory care (author's transl)] Namiki A, et al. **Respir Circ (Tokyo)** 23(11):1009–13, Nov 75 (Eng. Abstr.) **(Jpn)**

[Hyperventilation and mannitol administration during surgery in patients with space-occupying intracranial lesions] Karczewska E, et al. **Neurol Neurochir Pol** 10(4):547–50, Jul–Aug 76 (Eng. Abstr.) **(Pol)**

[Automatic artificial pulmonary respiration in external respiration disorders of newborn infants] Vanovskaia IV. **Akush Ginekol (Mosk)** (2):16–20, Feb 75 (Eng. Abstr.) **(Rus)**

[Artificial ventilation of the lungs in bronchoscopy under anesthesia] Birenberg EA. **Grudn Khir** (1):70–2, Jan–Feb 74 **(Rus)**

[Effect of artificial ventilation of the lungs on respiratory mechanics] Gologorskiĭ VA, et al. **Grudn Khir** (3):98–104, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Spirography and bronchospirography during artificial ventilation of the lungs] Rozenov VI. **Grudn Khir** (4):74–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Morphology of the lungs during various periods of artificial ventilation after surgical correction of heart disease] Kniazeva GD, et al. **Kardiologiia** 16(1):110–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Artificial ventilation of the lungs in cardiology] Lebedeva RN, et al. **Kardiologiia** 16(1):5–9, Jan 76 **(Rus)**

[Bronchological examinations under intravenous anesthesia and artificial pulmonary ventilation by the Sanders method] Chistikhin VS, et al. **Vestn Khir** 114(5):141–2, May 75 **(Rus)**

[X-ray image of the lungs in patients subjected to auxiliary artificial respiration after thoracic surgery] Veretennikova VP, et al. **Vestn Rentgenol Radiol** (1):50–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Controlled ventilation in the treatment of status asthmaticus in children] Hruškovič I, et al. **Cesk Pediatr** 31(3):135–7, Mar 76 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Hazards of the intensive care unit. Ravin CE, et al. **Am J Roentgenol** 126(2):423–31, Feb 76

Diagnosis of pneumothorax complicating mechanical ventilation. Estafanous FG, et al. **Anesth Analg (Cleve)** 54(6):730–5, Nov–Dec 75

Complications of high pleural suction in bronchopleural fistulas. Tilles RB, et al. **Anesthesiology** 43(4):486–7, Oct 75

Letter: Thermal monitoring in continuous mechanical ventilation. Crowley TP. **Chest** 70(03):410, Sep 76

Retroperitoneal air dissection associated with mechanical ventilation. Powner DJ, et al. **Chest** 69(6):739–42, Jun 76

(Arteriovenous air embolism). A complication of mechanical ventilation in respiratory distress syndrome. Chopra DR, et al. **Clin Pediatr (Phila)** 15(2):178–9, FEB 76

Management of subcutaneous emphysema, pneumomediastinum, and pneumothorax during respirator therapy. Zimmerman JE, et al. **Crit Care Med** 3(2):69–73, Mar–Apr 75

Complications occurring during mechanical ventilation. Petty TL. **Heart Lung** 5(1):112–8, Jan–Feb 76

Pulmonary hyperinflation. A form of barotrauma during mechanical ventilation. Baeza OR, et al. **J Thorac Cardiovasc Surg** 70(5):790–805, Nov 75

Letter: Pneumoperitoneum and mechanical ventilation. Gallagher TJ. **JAMA** 235(26):2814, 28 Jun 76

The role of artificial ventilation, oxygen, and CPAP in the pathogenesis of lung damage in neonates: assessment by serial measurements of lung function. Stocks J, et al. **Pediatrics** 57(3):352–62, Mar 76

Rupture of the stomach following mouth-to-mouth respiration. Solowiejczyk M, et al. **Postgrad Med J** 50(590):769–72, Dec 74

[Nosocomial infections in patients on long-term artificial respiration] Daneš L, et al. **Rozhl Chir** 54(12):839–48, Dec 75 (Eng. Abstr.) **(Cze)**

[Relation of 'focalized antibiotherapy' to infectious epidemiology in resuscitation] Constantin B, et al. **Ann Anesthesiol Fr** 15(3):160–6, 1974 (Eng. Abstr.) **(Fre)**

[Intrathoracic gas effusions of iatrogenic origin in neonatal reanimation] Ünal D, et al. **Ann Anesthesiol Fr** 16(3):163–72, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Bacterial flora in pneumopathies and its significance in surgical resuscitation] Grosset J, et al. **Lille Med** 21(2):97–9, Feb 76 **(Fre)**

[Etiologic, clinical and developmental aspects of pneumopathies due to superinfection indreanimation] Wattel F, et al. **Lille Med** 21(3):195–201, Mar 76 **(Fre)**

[Pulmonary changes in cranio-cerebral injuries and respiration with high oxygen concentrations] am Esch JS, et al. **Acta Neurochir (Wien)** 33(1–2):93–102, 1976 **(Ger)**

[The pneumothorax as complication of continuous artificial ventilation (author's transl)] Ferrara SD, et al. **Z Rechtsmed** 78(2):159–66, 26 Aug 76 (Eng. Abstr.) **(Ger)**

[Injuries of the airway caused by artificial ventilation and intravenous infusion] Zaitsu A, et al. **Jpn J Anesthesiol** 24(10):965–73, Oct 75 (Eng. Abstr.) **(Jpn)**

[Radiological findings in certain complications of artificial respiration in newborns (author's transl)] Radelicka-Rajszys H, et al. **Pol Przegl Radiol** 40(1):11–5, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Cardio-respiratory changes related to anesthesia and controlled respiration in open-heart surgery and in injuries] Norlander O. **Vestn Akad Med Nauk SSSR** (10):8–4, 1975 **(Rus)**

INSTRUMENTATION

Centralised system of humidification for respiratory treatment. Benveniste D, et al. **Anaesthesia** 31(3):421–9, Apr 76

Eelectrocardiographic findings during bronchoscopy. Use of the Sanders' ventilating attachment. Jenkins AV. **Anaesthesia** 31(4):548–55, May 76

A compact, well-humidified breathing circuit for the circle system. Ramanathan S, et al. **Anesthesiology** 44(3):238–42, Mar 76

Catheter inflation ventilation in tracheal stenosis. Macnaughton FI. **Br J Anaesth** 47(11):1225–7, Nov 75

The esophageal obturator airway. A clinical evaluation. Schofferman J, et al. **Chest** 69(1):67–71, Jan 76

The meaning of simultaneous monitoring of respiratory minute volume and end-tidal CO2. pp. 604–7. Oehmig H.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Engineering and clinical assessment of valve-bag resuscitators. Their role in cardiopulmonary resuscitation in 1973. pp. 99–121. Elam JO, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Lyapunov Redesign of Model Reference Adaptive Control System for long term ventilation of lung. Woo J, et al. **ISA Trans** 14(1):89–98, 1975

A respiratory tap. Bacon DR. **Lab Pract** 24(11):750–1, Nov 75

[Reduction of apparatus deadspace in pediatric anaesthesia (author's transl)] Pfieffer U, et al. **Anaesthesist** 25(1):42–6, Jan 76 (Eng. Abstr.) **(Ger)**

[A portable oxygen therapy appliance] Stober D. **Zentralbl Chir** 100(7):440–1, 1975 **(Ger)**

[Anesthesia with artificial pulmonary ventilation using an air guide and mask] Vashantsev AA. **Vestn Khir** 115(10):97, OCT 75 **(Rus)**

METHODS

Acute post-traumatic respiratory failure treated with prolonged controlled ventilation and complicated with spontaneously healing tracheo-oesophageal fistula. Saladajczyk G, et al. **Anaesth Resusc Intensive Ther** 3(4):361–3, Oct–Dec 75

Effect of mechanical ventilation with end-inspiratory pause on blood-gas exchange. Fuleihan SF, et al. **Anesth Analg (Cleve)** 55(1):122–30, Jan–Feb 76

Percutaneous transtracheal ventilation for anaesthesia and resuscitation: a review and report of complications. Smith RB, et al. **Can Anaesth Soc J** 22(5):607–12, Sep 75 (12 ref.)

Liquid ventilation of primates. Modell JH, et al. **Chest** 69(1):79–81, Jan 76

Letter: Evaluation of endotracheal tube position with the fiberoptic intubation laryngoscope. Whitehouse AC, et al. **Chest** 68(6):848, Dec 75

Cardiopulmonary resuscitation: basic life support. Shapter RK, et al. **Clin Symp** 26(5):1–31, 1974

Reduced inspiratory effort during intermittent mandatory ventilation with PEEP. Brach BB, et al. **Crit Care Med** 4(3):142–3, May–Jun 76

Triple airway maneuver, artificial ventilation and oxygen inhalation by mouth-to-mask and bag-valve-mask techniques. pp. 49–58. Safar P, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

The uses of constant negative pressure in the management of respiratory failure in the newborn. pp. 327–44. Stern L, et al.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Letter: Mechanical ventilation techniques. Johnson EW. **JAMA** 234(10):1018, 8 Dec 75

Jet ventilation for microlaryngoscopic procedures. A further simplified technique. El-Naggar M, et al. **Mid East J Anaesthesiol** 4(1):5–16, Feb 74

[Treatment of severe forms of idiopathic respiratory distress in newborn infants using constant negative perithoracic pressure] Salle B. **Ann Anesthesiol Fr** 16 Spec No 1:105–17, 1975 (Eng. Abstr.) **(Fre)**

[Indications and limitations of mechanical ventilation by the iron lung] Galassi A, et al. **Bronches** 25(3):205–7, May–Jun 75 **(Fre)**

[Manual artificial respiration of premature and newborn infants and children. A simple, universal and safe method with a modified Ambu-respirator] Babeş VT. **Anaesthesiol Intensivmed Prax** 9(1):67–70, 1974 **(Ger)**

[Controlled hyperventilation with dead space (author's transl)] Ehehalt V, et al. **Anaesthesist** 24(7):317–21, Jul 75 (Eng. Abstr.) **(Ger)**

[Control of respirator pressure and drainage of the anesthetic gases with Kuhn's device in pediatric anesthesia (author's transl)] Link J, et al. **Anaesthesist** 25(6):287–9, Jun 76 (Eng. Abstr.) **(Ger)**

[A system of PaO2-regulated oxygen supply in patients with shock lung] Kunke S, et al. **Verh Dtsch Ges Inn Med** 81:493–6, 1975 **(Ger)**

[Successful respiratory care during emergency in a case of Landry's paralysis in a child] Sekigawa T, et al. **Jpn J Anesthesiol** 24(12):1297–302, Nov 75 (Eng. Abstr.) **(Jpn)**

[Intermittent mandatory ventilation (author's transl)] Kawashima Y. **Respir Circ (Tokyo)** 23(8):715–20, Aug 75 **(Jpn)**

[Dynamics of catalase activity depending on the method of artificial respiration] Pluzhnik IP. **Eksp Khir Anesteziol** (3):70–3, May–Jun 75 **(Rus)**

[Artificial ventilation of the lungs by the injection method during bronchoscopy] Dolina OA, et al. **Grudn Khir** (6):69–72, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Artificial ventilation of the lungs by the injection method in bronchoscopy under anesthesia in children] Vaĭsberg LA, et al. **Grudn Khir** (6):72–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Use of artificial ventilation of the lungs in the internal disease clinic] Smetnev AS, et al. **Ter Arkh** 47(3):130–5, 1975 (Eng. Abstr.) **(Rus)**

[Bronchological examinations under intravenous anesthesia and artificial pulmonary ventilation by the Sanders method] Chistikhin VS, et al. **Vestn Khir** 114(5):141–2, May 75 **(Rus)**

[Intubation method for artificial respiration in experimental animals] Koriukin VE. **Zh Ushn Nos Gorl Bolezn** (6):96–7, Nov–Dec 75 **(Rus)**

NURSING

Clinical signs associated with the amount of tracheobronchial secretions. Amborn SA. **Nurs Res** 25(2):121–6, Mar–Apr 76

STANDARDS

Clinical judgment in the respiratory intensive-care unit. Hughes R. **Heart Lung** 5(1):146, Jan–Feb 76

[Aseptic problems in mechanical long-term respiration] Gräber A, et al. **Anaesthesiol Intensivmed Prax** 10(1):97–100, 1975 **(Ger)**

RESPIRATORS

Mechanical ventilators as vehicles of infection. Perea EJ, et al. **Acta Anaesthesiol Scand** 19(3):180–6, 1975

A new compact, versatile, fluidic controlled ventilator. Campbell DI. **Anaesth Intensive Care** 4(1):7–15, Feb 76

Letter: Design of the Boyle adsorber. Ringrose NH. **Anaesth Intensive Care** 4(1):72, Feb 76

Letter: An unexpected hazard of the Boyles machine. Schweitzer SA, et al. **Anaesth Intensive Care** 4(1):72–3, Feb 76

Evaluation of the Lung Ventilator Performance Analyser. Chakrabarti MK, et al. **Anaesthesia** 31(4):521–8, May 76

Ergonomics of aircrew respiratory apparatus. Bolton CB. **Ann Occup Hyg** 18(1):83–8, Aug 75

The use and regeneration of type-O canisters for protection against methyl bromide. Maggs FA, et al. **Ann Occup Hyg** 18(2):111–9, Sep 75

Control of respiratory therapy in flail chest. Lewis FL Jr, et al. **Ann Thorac Surg** 20(2):170–6, Aug 75

Letter: The 'respirator brain'. Adams H. **Arch Neurol** 33(8):589–90, AUG 76

Respirator brain. Report of a survey and review of current concepts. Moseley JI, et al. **Arch Pathol Lab Med** 100(2):61–4, Feb 76

A comprehensive treatment unit for the respiratory distress syndrome in the newborn. Paton JS, et al. **Biomed Eng** 11(6):214–6, 219, Jun 76

Proceedings: A double lung ventilator for experimental use. Jebson PJ, et al. **Br J Anaesth** 48(3):276, Mar 76

A modification of the Bird Mark VIII ventilator to deliver continuous positive pressure breathing and intermittent mandatory ventilation. Frost GF, et al. **Can Anaesth Soc J** 22(6):719–22, Nov 75

Mechanical respirators and resuscitation equipment. pp. 145–50. Comans KP.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Weaning from respiratory support. McNabb TG, et al. **Int Anesthesiol Clin** 14(1):214–39, Spring 76 (60 ref.)

A comprehensive volume cycled lung ventilator embodying feedback control. Cox LA, et al. **Med Biol Eng** 12(2):160–9, Mar 74

Optimal respirator settings in assisted respiration. Jain VK. **Med Biol Eng** 12(4):425–30, Jul 74

An animal respirator with fluidic elements. Prazma V, et al. **Med Biol Eng** 13(2):302–4, Mar 75

Letter: Initial management of carbon monoxide poisoning. Komesaroff D. **Med J Aust** 2(4):153–4, 26 Jul 75

Physical aspects of automatic respirators. Baum M, et al. **Med Prog Technol** 3(3):105–9, 3 Dec 75

Modified mobile walker. Egli HJ, et al. **Phys Ther** 56(4):427, Apr 76

[Experience with assisted ventilation in low-birth-weight newborn infants using an overpressure ventilator] Mydlil V, et al. **Cesk Pediatr** 31(1):2–5, Jan 76 (Eng. Abstr.) **(Cze)**

[Long-time perfusion. statement based on the 1st International Symposium on Membrane Lungs. Rungstedtgaard 16–19 June 1975] Qvist J. **Ugeskr Laeger** 138(30):1828–30, 19 Jul 76 **(Dan)**

[Mixal 2 respirator] **Agressologie** 15 Spec No B:73–5, 1974 **(Fre)**

[Airox VP 2000 respirator] Cahen C. **Agressologie** 15 Spec No B:23–9, 1974 (Eng. Abstr.) **(Fre)**

[Logic 05 respirator] De Courcy A, et al. **Agressologie** 15 Spec No B:47–50, 1974 **(Fre)**

[Logical circuit respirators] De Courcy A. **Agressologie** 15 Spec No B:31–46, 1974 (Eng. Abstr.) **(Fre)**

[Monnal S respirator] Gertner J. **Agressologie** 15 Spec No B:51–8, 1974 (Eng. Abstr.) **(Fre)**

[Spiromat 661 respirator] Giroud MM. **Agressologie** 15 Spec No B:65–72, 1974 (Eng. Abstr.) **(Fre)**

[Bird Mark 8 respirator] Gueveler C. **Agressologie** 15 Spec No B:7–13, 1974 (Eng. Abstr.) **(Fre)**

[Logic 03-N respirator] Ivanoff S. **Agressologie** 15 Spec No B:59–63, 1974 (Eng. Abstr.) **(Fre)**

[Bennett PR 1 and PR 2 respirators] Ivanoff S. **Agressologie** 15 Spec No B:15–21, 1974 (Eng. Abstr.) **(Fre)**

[Evaluation of the AMFG filter for respirators] Atlan G, et al. **Ann Anesthesiol Fr** 16(5):393–4, Sep 75 **(Fre)**

[Clinical trials of the Monaghan 14250 respirator] Doyer JL. **Ann Anesthesiol Fr** 15(1):79–84, 1974 **(Fre)**

[A respiratory pump for small animals (author's transl)] DeVille J. **J Physiol (Paris)** 72(1):131–5, Mar 76 (Eng. Abstr.) **(Fre)**

[Manual artificial respiration of premature and newborn infants and children. A simple, universal and safe method with a modified Ambu-respirator] Babeş VT. **Anaesthesiol Intensivmed Prax** 9(1):67–70, 1974 **(Ger)**

[Comparative studies of methods of oxygen admixture in pressure-driven Bird Mark 8 and Bennett PR 2 respirators] Beil M, et al. **Anaesthesiol Intensivmed Prax** 10(1):81–8, 1975 **(Ger)**

[Control of respirator pressure and drainage of the anesthetic gases with Kuhn's device in pediatric anesthesia (author's transl)] Link J, et al. **Anaesthesist** 25(6):287–9, Jun 76 (Eng. Abstr.) **(Ger)**

[Artificial ventilation with the servo-ventilator 900 (author's transl)] Spilker D, et al. **Anaesthesist** 25(3):117–21, Mar 76 (Eng. Abstr.) **(Ger)**

[Longtime artificial respiration of newborn infants using the Bird respirator] Pawlowski P, et al. **Kinderaerztl Prax** 44(2):61–8, Feb 76 **(Ger)**

[One year's experience with mechanical ventilation in newborn infants (author's transl)] Hohenauer L, et al. **Klin Paediatr** 187(3):216–20, May 75 (Eng. Abstr.) **(Ger)**

[Impedance rheology and differentiated respirator therapy in neonatology] Ekert WD, et al. **Monatsschr Kinderheilkd** 124(5):438–9, May 76 **(Ger)**

[Prototype of respiratory machine with automatic control] Giannazo E, et al. **Boll Soc Ital Biol Sper** 50(23–24):2137–8, 30 Dec 74 **(Ita)**

[Some problems in weaning from long-term ventilator treatment] Amaha K, et al. **Jpn J Anesthesiol** 24(4):375–80, Apr 75 (Eng. Abstr.) **(Jpn)**

[Weaning of newborn infants from the ventilator, with special reference to successful management of a case after a long-term care using an artificial respirator] Miyata Y, et al. **Jpn J Anesthesiol** 24(7):727–32, Jul 75 (Eng. Abstr.) **(Jpn)**

[Contamination of respirators used for an extended time period] Yoshida Y, et al. **Jpn J Anesthesiol** 25(4):369–72, Apr 76 (Eng. Abstr.) **(Jpn)**

[Intratracheal anesthesia unit for the DP-8 respirator] Slobodianik AA. **Klin Khir** (5):80–1, May 75 **(Rus)**

[Transistorized respirator – prototype '2 X A' (personal patent) Andonov V. **God Zb Med Fak Skopje** 21:91–102, 1975 (Eng. Abstr.) **(Ser)**

[Constant lung-expanding pressure in the therapy of respiratory distress syndrome in premature children] Dluholucký S. **Cesk Pediatr** 30(7–8):348–51, Aug 75 (Eng. Abstr.) **(Slo)**

[Decisions on discontinuing respirator treatment] Britton M, et al. **Lakartidningen** 72(40):3818–20, 1 Oct 75 **(Swe)**

ADVERSE EFFECTS

Letter: A hazard of the East Radcliffe respirator. Hurdley J. **Anaesthesia** 30(6):825, Nov 75

Inadvertent increase in inspired oxygen concentration due to defect in ventilator bellows. Longmuir J, et al. **Can Anaesth Soc J** 23(3):327–9, May 76

Letter: Neck ulceration from CPAP box. Hakanson DO, et al. **J Pediatr** 88(1):166, Jan 76

Letter: Initial management of carbon monoxide poisoning. Dawson GR. **Med J Aust** 2(3):109, 19 Jul 75

Ventilator-related extra-alveolar air in adults. Rohlfing BM, et al. **Radiology** 121(1):25–31, Oct 76

HISTORY

The Geoffrey Kaye museum collection of portable ether inhalers. Penn HP. **Anaesth Intensive Care** 3(4):351–4, Nov 75

The development of appartus for intermittent negative pressure respiration. Woollam CH. **Anaesthesia** 31(4):537–47, May 76

The development of apparatus for intermittent negative pressure respiration. (2) 1919–1976, with special reference to the development and uses of cuirass respirators. Woollam CH. **Anaesthesia** 31(5):666–85, Jun 76

INSTRUMENTATION

A disconnection alarm for the Bennett BA-4 ventilator. Overton JH, et al. **Anaesth Intensive Care** 4(2):159–60, May 76

PEPP and the Bird ventilator. Application of a positive end expiratory pressure plateau to the Bird ventilator for assisted and controlled ventilation. Geadah MW, et al. **Anaesthesia** 31(3):416–20, Apr 76

Fluidic technology. A discussion and a description of a fluidic controlled ventilator for use with high flow oxygen techniques. Klain M, et al. **Anaesthesia** 31(6):750–7, Jul 76

Letter: A manual ventilation circuit for the Oxford ventilator. McLellan I. **Br J Anaesth** 47(9):1033–4, Sep 75

Modification of the Bennett MA-1 ventilator for use with intermittent mandatory ventilation. Chodoff P, et al. **Crit Care Med** 3(6):242–3, Nov-Dec 75

Clinical experience with a new modular Engström Care System Ventilator. pp. 516–8. Norlander O, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Servo respirator constructed from a positive-pressure ventilator. Remmers JE, et al. **J Appl Physiol** 41(2):252–5, Aug 76

The negative-pressure respirator: an improved design. Hakanson DO, et al. **Pediatrics** 56(4):601–3, Oct 75

A modification of the Amsterdam infant ventilator. An audible leak-alarm. Srikasibhandha S, et al. **Z Geburtshilfe Perinatol** 180(3):234–5, Jun 76

[The MA 1 B respirator. Apropos of an experiment involving 91,300 hours of function] Griffe O, et al. **Ann Anesthesiol Fr** 16(1):33–40, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Rocking-respirator-treatment in asphyxia of the newborn] László A, et al. **Acta Paediatr Acad Sci Hung** 16(3–4):257–65, 1975 **(Ger)**

[Modification of Bird respirator for intermittent mandatory ventilation] Urakami H, et al. **Jpn J Anesthesiol** 24(4):369–74, Apr 75 (Eng. Abstr.) **(Jpn)**

[Simple IMV (intermittent mandatory ventilation) instrument and its clinical application] Yamaoka H, et al. **Jpn J Anesthesiol** 25(3):310–3, Mar 76 (Eng. Abstr.) **(Jpn)**

STANDARDS

Essay of any ventilators by means of a pulmonary model with adjustable resistance, compliance and vital capacity. Cara M, et al. **Acta Anaesthesiol Belg** 23 Suppl:86–101, 1975

A safe multipurpose pediatric ventilation bag. Breivik H. **Crit Care Med** 4(1):32–9, Jan–Feb 76

[Comparative studies on the efficiency of ventilation by engström-respirator ER 300 (author's transl)] Mascher E, et al. **Anaesthesist** 25(3):97–100, Mar 76 (Eng. Abstr.) **(Ger)**

[Engström respirator ECS 2000] Wiedemann K. **Prakt Anaesth** 11(3):183–6, Jun 76 **(Ger)**

[Proceedings: Home care in chronic respiratory insufficiency. Indications for the prescription of a home respirator, its various types and possibilities for use] Scherrer M. **Schweiz Med Wochenschr** 105(28–29):894–8, 12 Jul 75 (Eng. Abstr.) **(Ger)**

RESPIRATORY ACIDOSIS see ACIDOSIS, RESPIRATORY

RESPIRATORY AIRFLOW

Sensitivity of volume of isoflow in the detection of mild airway obstruction. Gelb AF, et al. **Am Rev Respir Dis** 112(3):401–5, Sep 75

Influence of bronchomotor tone on ventilation distribution and airway closure in asymptomatic asthma. Siegler D, et al. **Am Rev Respir Dis** 114(1):123–30, Jul 76

Evaluation of major airway lesions using the flow-volume loop. Hyatt RE. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):635–42, Sep-Oct 75

The influence of clinically undetectable pulmonary edema on small airway closure in the dog. Harken AH, et al. **Ann Surg** 18(2):183–8, Aug 76

Spirometric values for normal Perth children aged six to twelve years. Morton AR, et al. **Aust NZ J Med** 6(1):51–7, Feb 76

Use of H2 as an inert gas during diving: pulmonary function during H2-O2 breathing at 7.06 ATA. Dougherty JH Jr. **Aviat Space Environ Med** 47(6):618–26, Jun 76

The effect of changes in the body position obese patients on pulmonary volume and ventilatory function. Bae J, et al. **Bull NY Acad Med** 52(7):830–7, Sep 76

Proceedings: Reflex control of expiratory airflow and duration. Bartlett D Jr, et al. **Bull Physiopathol Respir (Nancy)** 11(2):100P–101P, Mar-Apr 75

Effect of aging on lung mechanics in healthy nonsmokers. Gelb AF, et al. **Chest** 68(4):538–41, Oct 75

A comparison of spirometric values with subjects in standing and sitting positions. Pierson DJ, et al. **Chest** 70(1):17–20, Jul 76

A simple method of measuring breath hydrogen in carbohydrate malabsorption by end-expiratory sampling. Metz G, et al. **Clin Sci Mol Med** 50(3):237–40, Mar 76

Short term abstinence from smoking: its place in preoperative preparation. Chodoff P, et al. **Crit Care Med** 3(4):131–3, Jul-Aug 75

Screening tests for pulmonary function abnormality. Miller A. **Environ Health Perspect** 11:243–6, Jun 75

Simultaneous oral and nasal airflow during stop consonant production by hearing-impaired speakers. Gilbert HR. **Folia Phoniatr (Basel)** 27(06):423–37, 1975

The effect of anesthesia of the internal branch of the superior laryngeal nerve upon phonation: an aerodynamic study. Gould WJ, et al. **Folia Phoniatr (Basel)** 27(5):337–49, 1975

Assessment of vocal function by air-flow measurements. Kelman AW, et al. **Folia Phoniatr (Basel)** 27(4):250–62, 1975

Air flow onset and variability. Murry T, et al. **Folia Phoniatr (Basel)** 27(06):401–9, 1975

Effect of airway diameter, suction catheters, and the bronchofiberscope on airflow in endotracheal and tracheostomy tubes. Baier H, et al. **Heart Lung** 5(2):235–8, Mar-Apr 76

Application of the hot-wire anemometer to respiratory measurements in small animal. Godal A, et al. **J Appl Physiol** 40(2):275–7, Feb 1976

Reproducibility of dynamic compliance and flow-volume curves in normal man. Guyatt AR, et al. **J Appl Physiol** 39(3):341–8, Sep 75

Delineation of flow-limiting segment and predicted airway resistance by movable catheter. Smaldone GC, et al. **J Appl Physiol** 40(6):943–52, Jun 76

Respiratory volume-time relationships during resistive loading in the cat. Zechman FW, et al. **J Appl Physiol** 40(2):177–83, Feb 1976

Proceedings: Modification of an integrating pneumotachograph to eliminate drift. Evans DE. **J Physiol (Lond)** 257(1):3P–4P, May 76

Letter: Application of Martin Schwartz's airflow technique in the treatment of stuttering. Lee J. **J Speech Hear Disord** 41(1):133–4, Feb 76

Letter: Application of Martin Schwartz's airflow technique in the treatment of stuttering. Lee J. **J Speech Hear Disord** 41(1):133–4, Feb 76

A mathematical model for the ultrasonic measurement of respiratory flow. Blumenfeld W, et al. **Med Biol Eng** 12(5):621–5, Sep 74

The calculation of entrance length in physiological flow. Kassianides E, et al. **Med Biol Eng** 13(4):558–60, Jul 75

Airflometer: new toy or worthwhile advance? Vandenberg R, et al. **Med J Aust** 1(17):629–32, 24 Apr 76

Physical aspects of automatic respirators. Baum M, et al. **Med Prog Technol** 3(3):105–9, 3 Dec 75

Effect of electrical stimulation of the medullary respiratory neurons on respiratory air flow in cats. New findings on expiratory neurons. Tabatabai M, et al. **Pahlavi Med J** 7(2):222–32, Apr 76

The effect of variations in airflow pattern on gas exchange. A theoretical study. Damokosh-Giordano A, et al. **Respir Physiol** 25(2):217–34, Nov 75

Convection, diffusion and cardiogenic mixing of inspired gas in the lung; an experimental approach. Fukuchi Y, et al. **Respir Physiol** 26(1):77–90, Feb 76

Differential diagnosis of ventilatory disorders with the help of volume/flow diagram. Islam MS. **Respiration** 33(2):104–11, 1976

Rhino-rheo-manometric (R.R.M.) nasal provocation test. Crifò S, et al. **Rhinology** 13(3):135–9, Nov 75

The effect of air currents on the naso-respiratory mucosa. Hinderer KH. **Rhinology** 13(1):1–5, Jun 75

An evaluation of the performance of minimal resistance non-rebreathing systems. Male CG. **South Med J** 68(8):979–84, Aug 75

Respiratory flow rates in the sea lion. Kerem DH, et al. **Undersea Biomed Res** 2(1):20–7, Mar 75

[Application of coronal discharge to measure biophysical gas flow] L'Huillier JP, et al. **C R Acad Sci [D] (Paris)** 282(11):1133–5, 15 Mar 76 (Eng. Abstr.) **(Fre)**

[Clinical rhinomanometry and septo-rhinoplasty] Willemot J. **J Fr Otorhinolaryngol** 24(9):681–2, 685–8, 691–6, Nov 75 **(Fre)**

[Stability and variation of the maximal ventilation and maximal expiratory volume ratios] Chassain AP, et al. **Poumon Coeur** 32(3):123–5, 1976 (Eng. Abstr.) **(Fre)**

[Flow rates and pulmonary volumes in athetosis patients with speech disorders] Jaeger-Denavit C, et al. **Poumon Coeur** 31(3):139–44, 1975 (Eng. Abstr.) **(Fre)**

[Pulmonary airflow and beginning obstructive bronchopneumopathies] Lacoste J, et al. **Poumon Coeur** 31(5):263–5, 1975 **(Fre)**

[The maximary expiratory flow-volume curve] Orehek J, et al. **Poumon Coeur** 31(5):259–62, 1975 (Eng. Abstr.) **(Fre)**

[Lung ductances and the determination of lung diffusion capacity in silicosis] Scotti P, et al. **Poumon Coeur** 31(5):309–12, 1975 (Eng. Abstr.) **(Fre)**

[Normal phono-pneumotachygram] pp. 421–6. Seidner W, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.** **(Ger)**

[Viscosity and density fluctuations of natural respiratory gases and of mixtures of helium, oxygen and nitrogen due to temperature and composition of the gas mixture (author's transl)] Prestele K, et al. **Respiration** 33(2):150–62, 1976 (Eng. Abstr.) **(Ger)**

[Clinical rhino-rheomanometry. I. Values in normal subjects] Crifò S, et al. **Boll Soc Ital Biol Sper** 51(7):420–3, 15 Apr 75 **(Ita)**

[Role of the small air passages in pulmonary physiology and pathology] Tellini M. **Recent Prog Med (Roma)** 58(6):666–77, Jun 75 (30 ref.) (Eng. Abstr.) **(Ita)**

[Experimental and clinical studies of respiration physiology. (5). Alveolar plateau (1)] Ota Y. **Respir Circ (Tokyo)** 24(4):334, Apr 76 **(Jpn)**

[Experimental and clinical studies of respiration physiology. (4). Flow volume curves] Tomita. **Respir Circ (Tokyo)** 24(4):322, Apr 76 **(Jpn)**

[Segmentary topography and ventilation gradients in human lungs] Sizintsev NG, et al. **Biull Eksp Biol Med** 80(7):3–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Role of diffusion in the intrapulmonary blending of gases] Sidorenko LA, et al. **Probl Kosm Biol** 31:177–90, 1975 **(Rus)**

[Volume-flow curve (V'/V). Physiological value and clinical significance] Manresa Presas F, et al. **Rev Clin Esp** 140(1):1–7, 15 Jan 76 (23 ref.) **(Spa)**

[State of bronchial patency in children with acute pneumonia] Fradkin IM, et al. **Pediatr Akush Ginekol** (5):22, 1975 **(Ukr)**

DRUG EFFECTS

Dose-related dilatation of airways after inhalation of metaproterenol sulfate. Popa VT, et al. **Chest** 70(2):205–11, Aug 76

Effects of aerosols in common use on the ventilatory capacity of the lung. Skurić Z, et al. **Int Arch Arbeitsmed** 34(2):137–49, 1975

Combined effect of ozone and sulphur dioxide on human pulmonary function. Hazucha M, et al. **Nature** 257(5521):50–1, 4 Sep 75

The effect of prostaglandin F2beta on expiratory flow rates. Hamosh P, et al. **Prostaglandins** 10(4):599–606, Oct 75

INSTRUMENTATION

Measurement of nasal air flow with a new apparatus. Jenssen AO, et al. **Arch Otolaryngol** 102(3):133–4, Mar 76

RESPIRATORY ALKALOSIS see ALKALOSIS, RESPIRATORY

RESPIRATORY CARE UNITS

Clinical judgment in the respiratory intensive-care unit. Hughes R. **Heart Lung** 5(1):146, Jan–Feb 76

Arterial blood-gas interpretations in the respiratory intensive-care unit. Robertson KJ, et al. **Heart Lung** 5(2):256–60, Mar–Apr 76

Radiology in the respiratory intensive care unit. McCauley RG. **Int Anesthesiol Clin** 14(1):1–29, Spring 76 (53 ref.)

Management of respiratory infection in the intensive care unit. Teres D. **Int Anesthesiol Clin** 14(1):163–78, Spring 76 (39 ref.)

The Nebraska survey of respiratory therapy. Lim TP.

Nebr Med J 61(4):115–9, Apr 76
[Experiences in the treatment of patients with global respiratory insufficiency in a differential care unit (preliminary report)] Dolenský J, et al. Vnitr Lek 22(7):632–8, Jul 76 (Eng. Abstr.) (Cze)
[An indirect method for the continuous monitoring of the respiration of the non-intubated seriously-ill patient (author's transl)] Thal HU, et al. Biomed Tech (Berlin) 21(05):143–7, Jun 76 (Eng. Abstr.) (Ger)
[Significance of blood gas analysis in intensive care] Jeretin S. Wien Med Wochenschr Suppl 28:10–3, 1975 (Ger)
[Systemization of respiratory care] Suwa K. Respir Circ (Tokyo) 23(7):603–8, Jul 75 (Jpn)

STANDARDS

These technics reduce mortality rate in I.C.U. Epstein SW. Hosp Top 53(6):18, Nov–Dec 75
Is your respiratory care unit up to snuff? Cheney FW Jr. Med Times 103(10):82–6, Oct 75

RESPIRATORY CENTER

ANATOMY & HISTOLOGY

Localization of the medullary respiratory neurons in rats by microelectrode recording. Howard BR, et al. J Appl Physiol 39(5):812–7, Nov 75
[Neuronal organization of the inspiratory center (Baumgarten's nucleus)] Zhigadlo BA. Arkh Anat Gistol Embriol 69(8):89–95, Aug 75 (Eng. Abstr.) (Rus)

DRUG EFFECTS

The sensitivity of the respiratory center and some circulatory and subjective responses after nalorphine and naloxone injections. Sych M, et al. Anaesth Resusc Intensive Ther 3(4):329–37, Oct–Dec 75
The effect of some depressing amino acids on bulbar respiratory and non-respiratory neurons. Denavit-Saubié M, et al. Brain Res 97(2):256–61, 31 Oct 75
Occlusion pressures in men rebreathing CO2 under methoxyflurane anesthesia. Derenne JP, et al. J Appl Physiol 40(5):805–14, May 76
[The effects of combining halothane and neuroleptanalgesia on the preganglionic sympathetic activity, the respiratory centre and the circulation (author's transl)] Tauberger G, et al. Anaesthesist 24(11):491–5, Nov 75 (Eng. Abstr.) (Ger)
[Regulation of respiration under conditions of inhibition of carbonic anhydrase activity by diamox] Kulik AM, et al. Fiziol Zh SSSR 62(7):990–6, Jul 76 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Electrical activity of phrenic nerve and diaphragm in utero. Bahoric A, et al. J Appl Physiol 39(4):513–8, Oct 75
Modification of respiratory center output in the unanesthetized fetal sheep 'in utero'. Maloney JE, et al. J Appl Physiol 39(4):552–8, Oct 75

METABOLISM

[The dynamics of the respiratory indices of arterial blood, cerebrospinal fluid and the tissue in the area of the bulbar respiratory center during hypoxia] Iumatov EA. Fiziol Zh SSSR 61(4):600–9, Apr 75 (Rus)

PHYSIOLOGY

Open-loop respiratory chemosensitivity in chickens and ducks. Jones DR, et al. Am J Physiol 230(4):861–7, Apr 76
Discharges of medullary respiratory neurones during tilting. Ghelarducci B, et al. Brain Res 68(1):174–8, 15 Mar 74
Factors in the interpretation of mouth occlusion pressure during measurements of chemosensitivity. Fitzgerald RS, et al. Chest 70(1 Suppl):145–9, Jul 76
Integration of chemoreceptor stimuli by rostral brainstem respiratory areas. Saint John WM, et al. J Appl Physiol 39(2):209–14, Aug 75
Step changes in end-tidal CO2: methods and implications. Swanson GD, et al. J Appl Physiol 39(3):377–85, Sep 75
Interaction of pulmonary afferents and pneumotaxic center in control of respiratory pattern in cats. Feldman JL, et al. J Neurophysiol 39(1):31–44, Jan 76
Intracellular recordings from different types of medullary respiratory neurons of the cat. Richter DW, et al. J Neurophysiol 38(5):1162–71, Sep 75
Accommodative reactions of medullary respiratory neurons of the cat. Richter DW, et al. J Neurophysiol 38(5):1172–80, Sep 75
New tests to assess lung function: occlusion pressure—a simple measure of the respiratory center's output. Milic-Emili J, et al. N Engl J Med 293(20):1029–30, 13 Nov 75 (15 ref.)
Somatic-respiratory reflex and onset of regular breathing movements in the lamb fetus in utero. Condorelli S, et al. Pediatr Res 9(12):879–84, Dec 75
A new method of evaluating the chemosensitivity of the respiratory center in children. Cosgrove JF, et al. Pediatrics 56(6):973–80, Dec 75
The bulbar respiratory centre in the rabbit. II. Responses of respiratory neurons to intermittent electrical bulbar stimulation during in- or expiration. Fallert M, et al. Pfluegers Arch 364(3):269–84, 24 Aug 76
The bulbar respiratory centre in the rabbit. I. Changes of respiratory parameters caused by intermittent electrical bulbar stimulation during inspiration or expiration. Fallert M, et al. Pfluegers Arch 364(3):257–68, 24 Aug 76
pH sensitivity of cells located at the ventrolateral surface of the cat medulla oblongata in vitro. Fukuda Y, et al. Pfluegers Arch 364(3):243–7, 24 Aug 76
Intrapulmonary CO2 receptors in the duck: IV. Discharge pattern of the population during a respiratory cycle. Fedde MR. Respir Physiol 26(2):223–7, Apr 76
[Modalities of discharge and anatomo-functional properties of medullary respiratory neurons] Bianchi AL. J Physiol (Paris) 68(5):555–87, 1974 (Fre)
[Respiratory oscillation, central programming and motor command] Hugelin A. J Physiol (Paris) 72(4):489–501, 1976 (Fre)
[Contribution to the structure of respiration control] Waurick S. Acta Biol Med Ger 34(5):883–90, 1975 (Eng. Abstr.) (Ger)
[Internal chemoreceptors. Chemical regulation of respiration] Zucconi-Grassi G, et al. Recent Prog Med (Roma) 58(6):605–42, Jun 75 (115 ref.) (Eng. Abstr.) (Ita)
[Effects of transections and electrical coagulations in the medulla oblongata upon the activities in the respiratory muscles of the crucian carp (author's transl)] Fukuda H. J Physiol Soc Jpn 37(7):125–36, 1 Jun 75 (Eng. Abstr.) (Jpn)
[Changes in the pulmonary ventilation of cats with a combination of increased respiratory resistance and hypercapnia before and after vagotomy] Kliueva NZ. Fiziol Zh SSSR 62(7):1007–12, Jul 76 (Eng. Abstr.) (Rus)
[Reactions of respiratory center neurons to local cooling of the ventral surface of the medulla oblongata] Peskov BIa, et al. Fiziol Zh SSSR 62(7):974–82, Jul 76 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Ventilatory response to carbon dioxide inhalation in depression. Shershow JC, et al. Psychosom Med 38(4):282–7, Jul–Aug 76
[Respiratory pattern in brain injuries with brain-stem syndrome] Uchida M. Jpn J Anesthesiol 24(6):545–51, Jun 75 (Eng. Abstr.) (Jpn)
[Combined effects of hypoxia and hypercapnia on the functional state of the respiratory center] Kulik AM, et al. Biull Eksp Biol Med 79(4):39–43, Apr 75 (Eng. Abstr.) (Rus)
[External respiration and the functional state of the respiratory center in hypoxia developing against a background of inactivated carbonic anhydrase] Kulik AM, et al. Biull Eksp Biol Med 81(2):152–6, Feb 76 (Eng. Abstr.) (Rus)
[Current problems of the pathogenesis of whooping cough] Shvalko AD, et al. Pediatriia (1):15–20, Jan 74 (Eng. Abstr.) (Rus)
[Experimental model of hypercapnia and functional status of the respiratory center under conditions of acute hypoxia] Kulik AM, et al. Cesk Fysiol 25(1):85–7, 1976 (Slo)

ULTRASTRUCTURE

[Ultrastructure of a central chemoreceptor in respiration] Brettschneider H, et al. Verh Anat Ges 68:409–17, 1974 (Ger)
[Electron-optic studies on the region important for respiratory regulation in the medulla oblongata] Leibstein A, et al. Verh Anat Ges 69:601–6, 1975 (Eng. Abstr.) (Ger)

RESPIRATORY DEAD SPACE

The effect of halothani-nitrous oxide anaesthesia and spontaneous ventilation on arterial blood oxygenation and physiological deadspace. Morgan M, et al. Anaesth Intensive Care 4(1):41–5, Feb 76
Measurement of anatomic dead space during steady state studies of pulmonary diffusing capacity. Kindig NB, et al. Biomed Sci Instrum 12:89–92, 3–5 May 76
The effect of anaesthesia and intermittent positive pressure ventilation with different frequencies on the anatomical and alveolar deadspace. Hedenstierna G, et al. Br J Anaesth 47(8):847–52, Aug 75
The anatomical and alveolar deadspaces during respirator treatment. Influence of respiratory frequency, minute volume and tracheal pressure. Hedenstierna G. Br J Anaesth 47(9):993–9, Sep 75
Airway compliance during artificial ventilation. Hedenstierna G, et al. Br J Anaesth 47(12):1277–81, Dec 74–75
The effect of extradural analgesia combined with light general anaesthesia and spontaneous ventilation on arterial blood-gases and physiological deadspace. Morgan M, et al. Br J Anaesth 47(9):955–61, Sep 75
Upper respiratory dead space in the chicken: its fraction of the tidal volume. Kuhlmann WD, et al. Comp Biochem Physiol [A] 54(4):409–11, 1976
A theoretical analysis of the continuous distribution of specific tidal volume throughout the lung with special reference to anatomical dead space. Lecocq HF. IEEE Trans Biomed Eng 23(2):110–7, Mar 76
Comparative changes in ventilatory dead space following micro and massive pulmonary emboli. Fisher SR, et al. J Surg Res 20(3):195–201, Mar 76
Single-breath determination of functional dead space. Bargeton D, et al. Pneumonologie 151(4):263–6, 30 May 75
Dead space and venous admixture measurement through mass spectrometry. Meunier-Carus J, et al. Pneumonologie 151(4):266–9, 30 May 75
Transport of H2 and SF6 in the lung. Lacquet LM, et al. Respir Physiol 25(2):157–73, Nov 75
Effect of hemorrhagic shock on intrapulmonary right-to-left shunt (QS/QT) and dead space (VD/VT). Steenblock U, et al. Respiration 33(2):133–42, 1976
Added apparatus dead space in the N2-closing volume test: – a refinement or a bias. Rasmussen FV, et al. Scand J Respir Dis [Suppl] (95 suppl):1–6, 1976
Dead space ventilation in normal children and children with obstructive airways diease. Kerr AA. Thorax 31(1):63–9, Feb 76
[Reduction of apparatus deadspace in pediatric anaesthesia (author's transl)] Pfieffer U, et al. Anaesthesist 25(1):42–6, Jan 76 (Eng. Abstr.) (Ger)
[Respiratory dead space] Shik LL. Fiziol Zh SSSR 62(7):1039–46, Jul 76 (Eng. Abstr.) (Rus)
[Change in the functional dead space in the lungs] Vorob'eva ZV. Ter Arkh 47(3):50–5, 1975 (Eng. Abstr.) (Rus)
[Volume-flow curve (V'/V). Physiological value and clinical significance] Manresa Presas F, et al. Rev Clin Esp 140(1):1–7, 15 Jan 76 (23 ref.) (Spa)

RESPIRATORY DISTRESS SYNDROME

see related
HYALINE MEMBRANE DISEASE

Proceedings: Wilson-Mikity syndrome. Braun O. Arch Dis Child 50(8):666–7, Aug 75
Editorial: The survivors of respiratory distress syndrome. Med J Aust 1(22):812, 29 May 76
A two year follow-up of infants with respiratory distress syndrome. Gupta JM, et al. Med J Aust 1(22):819–22, 29 May 76
Letter: Chronic pulmonary insufficiency of prematurity. Ehrenkranz RA. Pediatrics 57(2):294, Feb 76
[Respiratory distress of the newborn (author's transl)] Bossi E. Praxis 64(49):1583–90, 9 Dec 75 (Eng. Abstr.) (Ger)
[Editorial: Gynecological aspects of respiratory distress syndrome] Goldman J, et al. Harefuah 89(9):428–9, 2 Nov 75 (Heb)
[Immature lung syndrome] Chobot-Maciejewska H, et al. Pol Tyg Lek 31(8):325–6, 23 Feb 76 (Eng. Abstr.) (Pol)

BLOOD

Relationship between cortisol levels in umbilical cord plasma and development of the respiratory distress syndrome in premature newborn infants. Sybulski S, et al. Am J Obstet Gynecol 125(2):239–43, 15 May 76
Umbilical cord plasma estradiol levels in relation to complications of pregnancy and newborn and to cortisol levels. Sybulski S, et al. Biol Neonate 27(5–6):302–7, 1975
Neonatal hyperuricemia. Raivio KO. J Pediatr 88(4 Pt. 1):625–30, Apr 76
Low thyroid hormones and respiratory-distress syndrome of the newborn. Studies on cord blood. Cuestas RA, et al. N Engl J Med 295(6):297–302, 5 Aug 76
Letter: Another view of data on serum thyroxine in RDS. Mortimer EA. Pediatrics 56(3):486, Sep 75
[Proceedings: Disorders of hemostasis and respiratory distress in the newborn infant: hyaline membrane disease and transient respiratory distress] Leroux B, et al. Arch Fr Pediatr 32(3):300, Mar 75 (Fre)
[Transcutaneous measurements of pO2 in newborns with RDS (author's transl)] Haschke F, et al. Klin Paediatr 188(1):73–81, Jan 76 (Eng. Abstr.) (Ger)
[Some important blood gas and acid-base disorders in pediatrics] Rosegger H. Wien Med Wochenschr Suppl 28:21–4, 1975 (Ger)

COMPLICATIONS

Proceedings: Oedema of umbilical cord and respiratory distress in the newborn. Scott JM, et al. Arch Dis Child 50(8):666, Aug 75
Bilateral spontaneous chylothorax of the newborn. Bensoussan AL, et al. Arch Surg 110(10):1243–5, Oct 75
Review of diagnosis and surgical treatment of patent ductus arteriosus associated with neonatal respiratory distress syndrome. Gray LA Jr. J Ky Med Assoc 74(1):19–22, Jan 76
Telencephalic leucoencephalopathy in premature infants dying after prolonged artificial respiration. Report on 6 cases. Schneider H, et al. Neuropaediatrie 6(4):347–62, Nov 75
[Severe respiratory insufficiency as a cause of intracranial hemorrhages in the newborn. The current trends in their treatment] Arnaudova R, et al. Akush Ginekol (Sofiia) 15(1):57–62, 1976 (Eng. Abstr.) (Bul)
[Prognostic value of evoked potentials for the study of the cerebral future of children with idiopathic respiratory distress treated with continuous positive-pressure respiration] Demarquez JL, et al. Pediatrie 30(7):709–28, Oct–Nov 75 (Eng. Abstr.) (Fre)

DIAGNOSIS

Alpha1-antitrypsin concentration in amniotic fluid. Evans HE, et al. Biol Neonate 27(3–4):232–4, 1975

Estimation of surfactant lecithin in amniotic fluid and prediction of respiratory distress syndrome. Ogawa Y, et al. **Biol Neonate** 28(1-2):18-26, 1976

Estimates of fetal lung maturity. Gluck L, et al. **Clin Perinatol** 1(1):125-39, Mar 74

Letter: Gastric-aspirate lecithin/sphingomyelin ratio. McClure G, et al. **Lancet** 2(7945):1155, 6 Dec 75

Letter: Lecithin/sphingomyelin ratios in oropharyngeal fluid. Salvadori B, et al. **Lancet** 1(7956):429, 21 Feb 76

Pharyngeal lecithin/sphingomyelin ratios in newborn infants. Weller PH, et al. **Lancet** 1(7949):12-4, 3 Jan 76

A comparison of early-onset group B steptococcal neonatal infection and the respiratory-distress syndrome of the newborn. Ablow RC, et al. **N Engl J Med** 294(2):65-70, 8 Jan 76

Total cortisol in amniotic fluid and fetal lung maturation. deM. Fencl M, et al. **N Engl J Med** 292(3):133-6, 16 Jan 75

Letter: A pitfall in the shake test on gastric aspirate. Gebhardt DO, et al. **N Engl J Med** 294(4):225, 22 Jan 76

Predicting respiratory distress by thin-layer chromatography of the newborn gastric aspirate. Armstrong D, et al. **Obstet Gynecol** 48(1):35-9, Jul 76

Assessment of fetal pulmonic maturity by measurement of the surface tension of amniotic fluid lipid extract. Tiwary CM, et al. **Obstet Gynecol** 48(2):191-4, AUG 76

Cardiorespiratory problems in the newborn. Harris H. **Postgrad Med** 60(7):92-7, Jul 76

[Examination of osmolar clearance using different infussion methods in healthy premature and newborn infants and in children with respiratory problems] von Stockhausen HB, et al. **Monatsschr Kinderheilkd** 123(5):438-40, May 75 **(Ger)**

[A scheme for RDS-prediction (author's transl)] Simbruner G. **Paediatr Paedol** 10(3):270-5, 1975 (Eng. Abstr.) **(Ger)**

[Perinatal mortality and asphyxia in premature babies (author's transl)] Werle P, et al. **Z Geburtshilfe Perinatol** 179(4):250-60, Aug 75 (Eng. Abstr.) **(Ger)**

[Value of the Clements rapid test in the prenatal diagnosis of respiratory distress syndrome] Szabó I, et al. **Orv Hetil** 117(5):287-9, 1 Feb 76 **(Hun)**

[Alpha-fetoprotein and neonatology: Postnatal estimation of gestational age and idiopathic respiratory distress syndrome (author's transl)] Madrazo JL, et al. **An Esp Pediatr** 9(2):121-9, Mar-Apr 76 (Eng. Abstr.) **(Spa)**

[Evaluation of a rapid test of surfactant in the amniotic fluid] Núñez E, et al. **Rev Chil Obstet Ginecol** 39(2):52-4, 1974 **(Spa)**

DRUG THERAPY

Frusemide in respiratory distress syndrome. Savage MO, et al. **Arch Dis Child** 50(9):709-13, Sep 75

Letter: More on alkali therapy of the respiratory distress syndrome. Martin GI. **J Pediatr** 88(3):524-5, Mar 76

Prophylaxis against hypocalcemia in low-birth-weight infants requiring bicarbonate infusion. Nervez CT, et al. **J Pediatr** 87(3):439-42, Sep 75

Letter: Alkali therapy and RDS, cont'd. Ostrea EM Jr, et al. **J Pediatr** 88(3):525-6, Mar 76

Observations with Libexin-c in bronchopulmonary syndromes. Halmos T, et al. **Ther Hung** 21(3-4):149-51, 1973

Proceedings: The treatment of asphyxiated newborn with dic by an alpha blocking agent. Yamada K, et al. **Thromb Diath Haemorrh** 34(1):356-7, 30 Sep 75

The effects of an alpha blocking agent on the respiratory distress syndrome with disseminated intravascular coagulation in the newborn infants and experimental animals. Yamada K, et al. **Thromb Res** 8(2 suppl):179-88, May 76

EMBRYOLOGY

Pneumothorax as a function of gestational age: Clinical and experimental studies. Adler SM, et al. **J Pediatr** 87(5):771-5, Nov 75

ENZYMOLOGY

Variations of protease inhibitors in foetuses, newborn infants and in some neonatal disorders. Sveger T, et al. **Acta Paediatr Scand** 64(5):763-9, Sep 75

Developmental characteristics of pulmonary superoxide dismutase: relationship to idiopathic respiratory distress syndrome. Autor AP, et al. **Pediatr Res** 10(3):154-8, Mar 76

[Quantitative determination of alpha1-antitrypsin in lung tissue from adults with emphysema and newborns with respiratory-distress-syndrome (author's transl)] Bergmann KC, et al. **Z Erkr Atmungsorgane** 144(3):267-71, Mar 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Letter: Neuroblastoma in a newborn with Horner syndrome and respiratory distress. Gilboa N, et al. **Am J Dis Child** 130(2):218, Feb 76

The relationship between premature rupture of the membranes and the respiratory distress syndrome. Berkowitz RL, et al. **Am J Obstet Gynecol** 124(7):712-8, 1 Apr 76

Iatrogenic respiratory distress syndrome. An analysis of obstetric events preceding delivery of infants who develop respiratory distress syndrome. Goldenberg RL, et al. **Am J Obstet Gynecol** 123(6):617-20, 15 Nov 75

Tracheal agenesis. Effmann EL, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):767-81, Dec 75

Letter: Caesarean section and respiratory distress syndrome. **Br Med J** 1(6019):1209, 15 May 76

Editorial: Caesarean section and respiratory distress syndrome. **Br Med J** 1(6016):978-9, 24 Apr 76

Respiratory distress and neck mass in a neonate. Hardwick DF, et al. **J Pediatr** 89(3):501-5, Sep 76

Mediastinal teratoma: A rare cause of severe respiratory distress in the newborn. Seibert JJ, et al. **J Pediatr Surg** 11(2):253-5, Apr 76

Acute epiglottitis vs. organophosphate poisoning in infancy: a case report. Wallace CT. **J SC Med Assoc** 71(10):309-11, Oct 75

The centineurogenic etiology of the respiratory distress syndrome. Protection afforded by anemia and pulmonary denervation against lung lesions of oxygen toxicity. Moss G, et al. **J Thorac Cardiovasc Surg** 71(4):614-6, Apr 76

The centrineurogenic etiology of the respiratory distress syndrome: protection by unilateral chronic pulmonary denervation in hemorrhagic shock. Moss G, et al. **J Trauma** 16(5):361-4, May 76

Substrate mobilization: a new hypothesis for the aetiology of the idiopathic respiratory distress syndrome. Hutchison AA. **Med Hypotheses** 2(4):168-73, Jul-Aug 76

Letter: Respiratory-distress syndrome. Goldstein AS. **N Engl J Med** 294(20):1125-6, 13 May 76

Association between maternal diabetes and the respiratory-distress syndrome in the newborn. Robert MF, et al. **N Engl J Med** 294(7):357-60, 12 Feb 76

Factors, other than surfactant, in the etiology of respiratory distress syndrome. Pender CB. **Obstet Gynecol** 48(3):371-3, Sep 76

[Severe respiratory distress with stubborn hypoxemia in newborn infants whose mothers had had placenta previa] Brioude R, et al. **Ann Anesthesiol Fr** 16 Spec No 1:71-80, 1975 (Eng. Abstr.) **(Fre)**

[Neonatal respiratory distress caused by inhalation of amniotic fluid] Amiel-Tison C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):454-5, 1972 **(Fre)**

[Respiratory distress due to traumatic lesions in newborn infants and in adults] Schwartz P. **Fortschr Med** 93(25):1133-8, 11 Sep 75 (Eng. Abstr.) **(Ger)**

[Acute and fatal respiratory distress due to trauma in neonates and adults (author's transl)] Schwartz P. **Monatsschr Kinderheilkd** 124(3):136-7, Mar 76 **(Ger)**

[Respiratory distress syndrome in an adult] Melczer L, et al. **Orv Hetil** 117(5):292-5, 1 Feb 76 **(Hun)**

FAMILIAL & GENETIC

[Wilson-Mikity-syndrome in twins (author's transl)] Coradello H, et al. **Paediatr Paedol** 11(1):326-33, 1976 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Serum immunoglobulin concentration in newborn infants with perinatal distress] Teodorescu-Exarcu I, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(2):119-34, Apr-Jun 76 (Eng. Abstr.) **(Rum)**

METABOLISM

Metabolic changes in the respiratory distress syndrome. Campbell AG. **Clin Endocrinol Metabol** 5(1):55-87, Mar 76 (198 ref.)

Alpha1-antitrypsin in amniotic fluid and cord blood of preterm infants with the respiratory distress syndrome. Singer AD, et al. **J Pediatr** 88(1):87-93, Jan 76

Diminished pulmonary lecithin synthesis in acidosis: experimental findings as related to the respiratory distress syndrome. Merritt TA, et al. **Pediatrics** 57(1):32-40, Jan 76

Letter: Reliability of transcutaneous PO2 with Roche Oxygen Monitor 5300 at 44 C in newborn infants with RDS. Mieth D, et al. **Pediatrics** 58(2):299-301, Aug 76

[Alpha-1 antitrypsin and idiopathic respiratory distress of the newborn infant. Study in serum and lungs] Demarquez JL, et al. **Arch Fr Pediatr** 33(4):359-70, Apr 76 (Eng. Abstr.) **(Fre)**

[Presence of alpha-1-antitrypsin in lungs and respiratory distress syndrome in newborn infants] pp. 31-9. Demarquez JL, et al. **In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975.** (Eng. Abstr.) **(Fre)**

MORTALITY

Tracheal aspirate lecithin/sphingomyelin ratios as predictors of recovery from respiratory distress syndrome. Kanto WP Jr, et al. **J Pediatr** 89(4):612-6, Oct 76

Epidemiology of hyaline membrane disease in the United States: analysis of national mortality statistics. Farrell PM, et al. **Pediatrics** 58(2):167-76, Aug 76

NURSING

Care of the critically ill newborn: continuous positive airway pressure. Affonso D, et al. **Am J Nurs** 76(4):570-3, Apr 76

OCCURRENCE

Respiratory distress syndrome with mature lecithin/sphingomyelin ratios: diabetes mellitus and low Apgar scores. Cruz AC, et al. **Am J Obstet Gynecol** 126(1):78-82, 1 Sep 76

Neonatal respiratory distress following elective delivery. A preventable disease? Hack M, et al. **Am J Obstet Gynecol** 126(1):43-7, 1 Sep 76

Letter: Lecithin/sphingomyelin ratios and sex incidence of respiratory-distress syndrome. Pearson R. **Lancet** 1(7966):960, 1 May 76

PATHOLOGY

Morphology of the lungs of premature infants with respiratory distress syndrome. Klika E, et al. **Acta Univ Carol [Med] (Praha)** 21(1-2):3-21, 1975

The neuropathology of respiratory disorders of the premature and mature neonate. Schneider H, et al. **Neuropatol Pol** 13(3-4):305-10, Jul-Dec 75

PHYSIOPATHOLOGY

Effect of feeding on ventilation and respiratory mechanics in newborn infants. Yu VY, et al. **Arch Dis Child** 51(4):310-3, Apr 76

Cardiorespiratory response to feeding in newborn infants. Yu VY. **Arch Dis Child** 51(4):305-9, Apr 76

Blood volume and blood pressure in infants with respiratory distress. Brown EG, et al. **J Pediatr** 87(6 PT 2):1133-8, Dec 75

Abnormal renal function in the newborn infant. Daniel SS, et al. **J Pediatr** 88(5):856-8, May 76 (32 ref.)

Letter: Growth and development of survivors of RDS. Fomufod AK. **J Pediatr** 87(4):666, Oct 75

Renal function in respiratory distress syndrome. Guignard JP, et al. **J Pediatr** 88(5):845-50, May 76

Letter: Growth and development of survivors of RDS. Oleinick A. **J Pediatr** 87(4):666-7, Oct 75

Editorial: I.R.D.S. and the kidney. **Lancet** 2(7980):298-9, 7 Aug 76

Editorial: Thyroid hormones and respiratory-distress syndrome of the newborn. Chopra IJ. **N Engl J Med** 295(6):335-6, 5 Aug 76

Pneumothorax in the respiratory distress syndrome: incidence and effect on vital signs, blood gases, and pH. Ogata ES, et al. **Pediatrics** 58(2):177-83, Aug 76

[PAH clearance measurement without urine samples in the newborn infant with respiratory distress] Unal D, et al. **Ann Anesthesiol Fr** 16 Spec No 1:119-29, 1975 (Eng. Abstr.) **(Fre)**

[Experimental respiratory distress syndrome after injection anti-pulmonary serum. III. Respiratory-mechanical, blood gas-analysis, physico-chemical and biochemical findings in chronic tests: attempts at therapy] Lachmann B, et al. **Paediatr Grenzgeb** 14(4):211-33, 1975 (Eng. Abstr.) **(Ger)**

[Functional analysis in experimental respiratory distress syndrome (author's transl)] Lachmann B, et al. **Z Erkr Atmungsorgane** 144(3):207-13, Mar 76 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Use of prenatal glucocorticoid therapy to prevent respiratory distress syndrome. A supporting view. Ballard RA, et al. **Am J Dis Child** 130(9):982-7, Sep 76

Administration of corticosteroids to induce maturation of fetal lung. Gluck L. **Am J Dis Child** 130(9):976-8, Sep 76

Cortisol in amniotic fluid and cord blood in relation to prenatal betamethasone load and delivery. Gennser G, et al. **Am J Obstet Gynecol** 124(1):43-50, 1 Jan 76

A comparison of two glucocorticoid regimens for acceleration of fetal lung maturation in premature labor. Whitt GG, et al. **Am J Obstet Gynecol** 124(5):479-82, 1 Mar 76

Reduction of incidence and mortality of respiratory distress syndrome by adminstration of hydrocortisone to mother. Dluholucký S, et al. **Arch Dis Child** 51(6):420-3, Jun 76

Prevention of the respiratory distress syndrome in premature infants by antepartum glucocorticoid therapy. Caspi E, et al. **Br J Obstet Gynaecol** 83(3):187-93, Mar 76

The benefits and risks of amniocentesis for the assessment of fetal lung maturity. Rome RM, et al. **Br J Obstet Gynaecol** 82(8):662-68, Aug 75

Glucocorticoid levels in maternal and cord serum after prenatal betamethasone therapy to prevent respiratory distress syndrome. Ballard PL, et al. **J Clin Invest** 56(6):1548-54, Dec 75

Glucocorticoid prophylaxis for respiratory distress syndrome: a review of potential toxicity. Taeusch HW Jr. **J Pediatr** 87(4):617-23, Oct 75 (86 ref.)

Editorial: Corticosteroids and the fetus. **Lancet** 1(7950):74, 10 Jan 76

Letter: Prevention of respiratory-distress syndrome by antepartum dexamethasone. Caspi E, et al. **Lancet** 1(7966):973, 1 May 76

Letter: Indices of fetal maturation in diabetic pregnancy. Farrell PM. **Lancet** 1(7959):596, 13 Mar 76

Letter: Corticosteroids, salbutamol, and R.D.S. Schneider L. **Lancet** 2(7975):49-50, 3 Jul 76

Prenatal glucocorticoids for prevention of the respiratory distress syndrome. **Med Lett Drugs Ther** 18(14):59, 2 Jul 76

Letter: Respiratory distress syndrome. Komins JI, et al.

Obstet Gynecol 47(3):381–2, Mar 76

[Prevention of neonatal respiratory distress syndrome through the administration of prednisolone in the fetal period] Wauer RR, et al. **Zentralbl Gynaekol** 98(13):769–73, 1976 (Eng. Abstr.) **(Ger)**

[Prenatal administration of dexamethasone for the prevention of neonatal respiratory distress syndrome] Iván V, et al. **Orv Hetil** 117(6):345–7, 8 Feb 76 **(Hun)**

RADIOGRAPHY

The role of radiology in the assessment of the acutely ill neonate. Isdale JM. **Int Anesthesiol Clin** 13(3):49–71, Fall 75

[Possibilities of radiologic examination in respiratory insufficiency of the newborn infant] Mella A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:421–2, 1975 **(Fre)**

THERAPY

Respiratory insufficiency syndrome (RIS) in preterm infants with gestational age of 32 weeks and less. Neonatal management and follow-up study. Carlsson J, et al. **Acta Paediatr Scand** 64(6):813–21, Nov 75

Orogastric supplementation in small premature infants requiring mechanical respiration. Heicher D, et al. **Am J Dis Child** 130(3):282–6, Mar 76

The oxygen hood for newborns in respiratory distress Nalepka CD. **Am J Nurs** 75(12):2185–7, Dec 75

Mucosal changes in the trachea and main bronchi of newborn infants after naso-tracheal intubation. Fisk GC, et al. **Anaesth Intensive Care** 3(3):209–17, Aug 75

Continuous postive airways pressure treatment by a face chamber in idiopathic respiratory distress syndrome. Ahlström H, et al. **Arch Dis Child** 51(1):13–21, Jan 76

CPAP or not CPAP? Robertson NR. **Arch Dis Child** 51(3):161–2, Mar 76

A comprehensive treatment unit for the respiratory distress syndrome in the newborn. Paton JS, et al. **Biomed Eng** 11(6):214–6, 219, Jun 76

Letter: Continuous positive airway pressure by facemask in newborn infants. Bannister DG, et al. **Br Med J** 4(5999):758, 27 Dec 75

(Arteriovenous air embolism). A complication of mechanical ventilation in respiratory distress syndrome. Chopra DR, et al. **Clin Pediatr (Phila)** 15(2):178–9, FEB 76

Nasoesophageal intubation in the Pierre Robin syndrome. Success in an infant with mandibular hypoplasia, cleft palate, and glossoptosis. Gershanik JJ, et al. **Clin Pediatr (Phila)** 15(2):173–5, FEB 76

A new device for CPAP by nasal route. Wung JT, et al. **Crit Care Med** 3(2):76–8, Mar–Apr 75

Treatment of infants with respiratory distress using intranasal continuous positive airway pressure. Park TS, et al. **Del Med J** 48(4):201–2, 207–11, Apr 76

Continuous positive airway pressure as treatment in the idiopathic respiratory distress syndrome. pp. 309–326. Gregory GA, et al.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Developmental follow-up of artificially ventilated infants with neonatal respiratory failure. pp. 471–85. Outerbridge EW, et al.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Results of intermittent positive pressure treatment of respiratory insufficiency in the newborn during a two year period (1968–1969). pp. 439–44. Siimes M, et al.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Common respiratory problems of the newborn. Halliday HL, et al. **Ir Med J** 69(8):196–9, 24 Apr 76

A technique for delivery of continuous positive airway pressure to the neonate. Benveniste D, et al. **J Pediatr** 88(6):1015–9, Jun 76

The role of exchange transfusion in the management of low-birth-weight infants with and without severe respiratory distress syndrome. I. Initial observations. Delivoria-Papadopoulos M, et al. **J Pediatr** 89(2):273–8, Aug 76

Mechanical ventilation of infants of less than 1,501 gm birth weight: Health, growth, and neurologic sequelae. Fitzhardinge PM, et al. **J Pediatr** 88(4 Pt. 1):531–41, Apr 76

Early versus late introduction of continuous negative pressure in the management of the idiopathic respiratory distress syndrome. Gerard P, et al. **J Pediatr** 87(4):591–5, Oct 75

The role of exchange transfusions in the management of low-birth-weight infants with and without severe respiratory distress syndrome. II. Further observations and studies of mechanisms of action. Gottuso MA, et al. **J Pediatr** 89(2):279–85, Aug 76

Conservative management of unilateral pulmonary interstitial emphysema under tension. Leonidas JC, et al. **J Pediatr** 87(5):776–8, Nov 75

Massive intravascular air accumulation in a neonate. Lubens P, et al. **J Pediatr** 88(6):1020–2, Jun 76

Water intoxication: a complication of nebulization with nasal CPAP. Rosenfeld WN, et al. **J Pediatr** 89(1):113–4, Jul 76

Letter: Early versus late initiation of continuous negative pressure in infants with clinical hyaline membrane disease. Stahlman MT, et al. **J Pediatr** 87(4):601, Oct 75

A case of idiopathic respiratory distress syndrome (IRDS) treated with continuous positive airways pressure (CPAP). Hunt RH, et al. **J R Nav Med Serv** 61(2):72–7, Summer 75

Effects of assisted ventilation on echocardiographic findings in two infants with patent ductus arteriosus. Purohit DM, et al. **J Thorac Cardiovasc Surg** 72(2):294–5, AUG 76

Gingival and dental complications of orotracheal intubation. Boice JB, et al. **JAMA** 236(8):957–8, 23 Aug 76

Editorial: C.P.A.P. **Lancet** 1(7973):1337–8, 19 Jun 76

Use of nasal continuous positive airway pressure to treat severe recurrent apnoea in very preterm infants. Speidel BD, et al. **Lancet** 02(7987):658–60, 25 Sep 76

Massive air embolism in a neonate with respiratory distress. Henderson-Smart DJ. **Med J Aust** 2(16):641–2, 18 Oct 75

The negative-pressure respirator: an improved design. Hakanson DO, et al. **Pediatrics** 56(4):601–3, Oct 75

The role of artificial ventilation, oxygen, and CPAP in the pathogenesis of lung damage in neonates: assessment by serial measurements of lung function. Stocks J, et al. **Pediatrics** 57(3):352–62, Mar 76

Respiratory distress sydnrome of the newborn. Current status of ventilatory assistance. Hakanson DO, et al. **Postgrad Med** 58(3):200–6, Sep 75

Treatment of cystic ventilator lung disease. Roberton NR. **Proc R Soc Med** 69(5):344–5, May 76

[Case of successfully performed long-term mechanical ventilation of the lungs in the newborn surgical patient] Atanasov A, et al. **Khirurgiia (Sofiia)** 28(2):194–5, 1975 **(Bul)**

[Idiopathic respiratory distress syndrome. Technic and results of a 3 1/2 year series] Risbo A. **Ugeskr Laeger** 138(24):1455–8, 7 Jun 76 (Eng. Abstr.) **(Dan)**

[Treatment of severe forms of idiopathic respiratory distress in newborn infants using constant negative perithoracic pressure] Salle B. **Ann Anesthesiol Fr** 16 Spec No 1:105–17, 1975 (Eng. Abstr.) **(Fre)**

[Fate of premature infants ventilated for idiopathic respiratory distress. I. Pulmonary outcome] Bourgeois J, et al. **Pediatrie** 30(8):793–808, Dec 75 **(Fre)**

[Rocking-respirator-treatment in asphyxia of the newborn] László A, et al. **Acta Paediatr Acad Sci Hung** 16(3–4):257–65, 1975 **(Ger)**

[Combination of CPPB with IPPV (author's transl)] Lipowsky G. **Monatsschr Kinderheilkd** 124(7):543–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Production of continuous positive airway pressure (CPAP) using a nasal mask in the respiratory distress syndrome (RDS)] Pörksen C. **Monatsschr Kinderheilkd** 123(5):461–3, May 75 **(Ger)**

[Continuous negative pressure (cnp) in infants with idiopathic respiratory distress syndrome (irds) (author's transl)] Wolf H, et al. **Monatsschr Kinderheilkd** 123(10):692–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Emergency transport of newborn infants. Organization and experiences in the Bern region] Bossi E. **Schweiz Med Wochenschr** 105(38):1210–5, 20 Sep 75 (Eng. Abstr.) **(Ger)**

[Use of CPAP and CPPV in premature infants including weight between 540 and 1500 gr and gestational age between 150 and 210 days] Marraro G, et al. **Minerva Anestesiol** 42(6):453–5, Jun 76 **(Ita)**

[Use of CPAP and CPPV in the RDS of the newborn infant] Marraro G, et al. **Minerva Anestesiol** 42(6):451–2, Jun 76 **(Ita)**

[Respiratory and cardiocirculatory resuscitation of the newborn infant] Zuccaro GM, et al. **Minerva Pediatr** 27(30):1661–75, 29 Sep 75 (Eng. Abstr.) **(Ita)**

[Radiological findings in certain complications of artificial respiration in newborns (author's transl)] Radelicka-Rajszys H, et al. **Pol Przegl Radiol** 40(1):11–5, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Method of spontaneous breathing with positive airway pressure (literature survey)] Aleksi-Meskhishvili VV, et al. **Eksp Khir Anesteziol** (2):57–60, Mar–Apr 75 (25 ref.) (Eng. Abstr.) **(Rus)**

[Constant lung-expanding pressure in the therapy of respiratory distress syndrome in premature children] Dluholucký S. **Cesk Pediatr** 30(7–8):348–51, Aug 75 (Eng. Abstr.) **(Slo)**

[Continuous positive pressure respiration after cardiac surgery in infants] Manzano JL. **Rev Esp Cardiol** 28(4):307–15, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

VETERINARY

Pressure volume curves of lamb lungs and the lecithin–sphingomyelin ratios of lung fluid. Egberts J, et al. **Biol Neonate** 27(3–4):208–20, 1975

RESPIRATORY ENTERIC ORPHAN VIRUS see **REOVIRUSES**

RESPIRATORY FAILURE see **RESPIRATORY INSUFFICIENCY**

RESPIRATORY FUNCTION TESTS

Pulmonary function studies before and after jejunoileal bypass surgery. Soterakis J, et al. **Am J Dig Dis** 21(7):553–6, Jul 76

Pulmonary function studies after smoke inhalation. Petroff PA, et al. **Am J Surg** 132(3):346–51, Sep 76

Computerized, noninvasive tests of lung function. A flexible approach using mass spectrometry. Guy HJ, et al. **Am Rev Respir Dis** 113(6):737–44, Jun 76

Postoperative ventilatory performance: dependence upon surgical incision. Johnson WC. **Am Surg** 41(10):615–9, Oct 75

The surface tension of upper airway secretions in patients with and without respiratory disease. Stanley TH, et al. **Anesth Analg (Cleve)** 54(5):602–6, Sep–Oct 75

New tests of pulmonary function: physiologic basis and interpretation. Bergman NA. **Anesthesiology** 44(3):220–9, Mar 76

Respiratory morbidity in rubber workers: II. Pulmonary function in curing workers. Fine LJ, et al. **Arch Environ Health** 31(1):10–4, Jan–Feb 76

Criteria of fitness for anaesthesia in patients with chronic obstructive lung disease. Milledge JS, et al. **Br Med J** 3(5985):670–3, 20 Sep 75

Tests of uneven ventilation: differences between smokers and non-smokers. Benson MK, et al. **Bull Physiopathol Respir (Nancy)** 11(1):33P–36P, Jan–Feb 75

Respiratory and cardiac function tests in relation to occupational lung diseases. Cotes JE. **Bull Physiopathol Respir (Nancy)** 11(4):561–8, Jul–Aug 75

Reliability of plethysmography, the single breath oxygen test, and spirometry in population studies. Detels R, et al. **Bull Physiopathol Respir (Nancy)** 11(1):9–30, Jan–Feb 75

Early detection of expiratory airflow obstruction in cement workers. Kalacic I. **Bull Physiopathol Respir (Nancy)** 11(1):65P–69P, Jan–Feb 75

Early signs of chronic non-specific lung disease in dust exposed workers, measured by the form analysis of expiratory partial pressure curves. Smidt U, et al. **Bull Physiopathol Respir (Nancy)** 11(1):51P–55P, Jan–Feb 75

Reproducibility and correlation of tests of 'small airways disease'. Sudlow MF, et al. **Bull Physiopathol Respir (Nancy)** 11(1):16P–20P, Jan–Feb 75

Helium wash-out curves in population studies. Visser BF, et al. **Bull Physiopathol Respir (Nancy)** 11(1):46P–50P, Jan–Feb 75

Pulmonary mechanics in diffuse fibrosing alveolitis. Yernault JC, et al. **Bull Physiopathol Respir (Nancy)** 11(2):231–44, Mar–Apr 75

Computerized on-line analysis of pulmonary mechanics in patients undergoing cardiopulmonary bypass. Karlson KE, et al. **Bull Soc Int Chir** 34(2):121–5, 1975

Ventilatory response to carbon dioxide in humans. Fencl V. **Chest** 70(1 Suppl):113–4, Jul 76

Clinical methods for the study of regulation of breathing. Lourenço RV. **Chest** 70(1 Suppl):109–12, Jul 76

Some implications of respiratory muscle function to tests of ventilatory regulation. Mead J. **Chest** 70(1 Suppl):149–50, Jul 76

Measurement of ventilatory response to CO2 by rebreathing. Rebuck AS. **Chest** 70(1 Suppl):118–21, Jul 76

Diagnosis of upper airway obstruction by pulmonary function testing. Rotman HH, et al. **Chest** 68(6):796–9, Dec 75

The spirographic 'kink'. A sign of emphysema. Saltzman HP, et al. **Chest** 69(1):51–5, Jan 76

Proposed standard determination of ventilatory responses to hypoxia and hypercapnia in man. Severinghaus JW. **Chest** 70(1 Suppl):129–31, Jul 76

Techniques for measuring the responsiveness of the ventilatory apparatus in man in disease. Turino GM, et al. **Chest** 70(1 Suppl):180–5, Jul 76

Thoracic pressure-volume curves in respiratory failure. Bone RC. **Crit Care Med** 4(3):148–9, May–Jun 76

Pulmonary function and sulphur dioxide, some preliminary findings. Lawther PJ, et al. **Environ Res** 10(3):355–67, Dec 75

Dynamic lung function changes following long-term work in polluted environments. Raven PB, et al. **Environ Res** 12(1):18–25, Aug 76

A comparative study of a few tests of dynamic lung function. Mazumdar BN, et al. **Indian J Physiol Pharmacol** 20(1):22–6, Jan–Mar 76

The results of pulmonary function tests in patients infected with Mycoplasma pneumoniae. Dierckx JP, et al. **Infection** 4(1 SUPPL):68–70, 1976

Capnographic impressions of pulmonary perfusion patterns in patients with congenital heart anomalies. Janssen PJ. **Int Anesthesiol Clin** 14(3):123–56, Fall 76

Pulmonary function tests in health. Gupta S, et al. **J Assoc Physicians India** 23(4):247–52, Apr 75

Pulmonary function tests in bronchial asthma (study during symptom free period before and after a bronchodilator). Puri MB, et al. **J Assoc Physicians India** 23(4):243–6, Apr 75

Attenuated influenza virus in normal adults: role of pulmonary function studies in vaccine trials. Hall WH, et al. **J Infect Dis** 133(2):145–52, Feb 76

Xenon-133, 127Xe, and 125Xe for lung function investigations: a dosimetric comparison. Goddard BA, et al. **J Nucl Med** 16(8):780–6, Aug 75

Respiratory regulation after elastic loading and CO2 rebreathing in normal term infants. Taeusch HW, et al. **J Pediatr** 88(1):102–11, Jan 76

An analysis of potential physiological predictors of respiratory adequacy following cardiac surgery. Hilberman M, et al. **J Thorac Cardiovasc Surg** 71(5):711–20, May 76

Preoperative pulmonary function testing. Block AJ, et al. **JAMA** 235(3):257–8, 19 Jan 76

Letter: Preoperative pulmonary function testing. Frazier CA. **JAMA** 235(22):2390, 31 May 76

Use of on-line computer facilities in a respiratory function laboratory. Crockett A, et al. **Med J Aust** 2(12):486–8, 20 Sep 75

New tests to assess lung function. Clinical methods for assessing the ventilatory response to carbon dioxide and hypoxia. Milic-Emili J. **N Engl J Med** 293(17):864–5, 23 Oct 75 (14 ref.)

New tests to assess lung function. inhalation challenge tests in asthma. Pepys J. **N Engl J Med** 293(15):758–9, 9 Oct 75

Lung function tests. Tang OT. **Nurs Times** 72(29):1123–5, 22 Jul 76

Relative sensitivity of different pulmonary function tests in the evaluation of exercise-induced asthma. Cropp GJ. **Pediatrics** 56(5 pt-2 suppl):860–7, Nov 75

Functional imaging of lung ventilation using the concept of mean transit time. Nosil J, et al. **Phys Med Biol** 21(2):251–62, Mar 76

Frequency-dependent changes of gas distribution revealing early mechanical alterations in human lungs. Huckauf H, et al. **Pneumonologie** 152(4):291–8, 14 Nov 75

Small-airway tests and prevalence of emphysema. Green M. **Proc R Soc Med** 69(2):133–4, Feb 76

Effect of fiberoptic bronchoscopy on respiratory performance in patients with chronic airways obstruction. Salisbury BG, et al. **Thorax** 30(4):441–6, Aug 75

[Current state of functional examination of the lungs in Czechoslovakia] Novák M, et al. **Cas Lek Cesk** 114(50):1565–6, 12 Dec 75 **(Cze)**

[Physical dimensions influencing pulmonary volumes] Blažek F, et al. **Cesk Pediatr** 31(4):195–7, Apr 76 (Eng. Abstr.) **(Cze)**

[Functional examination of the lung and of lung hemodynamics in infants by means of scintigraphic method with the use of radioactive Xenon] Samánek M, et al. **Cesk Pediatr** 30(9):397–404, Sep 75 (Eng. Abstr.) **(Cze)**

[Importance in the examination of respiratory function in kidney failure] Janota M. **Vnitr Lek** 21(12):1155–60, Dec 75 (Eng. Abstr.) **(Cze)**

[Relation between various methods of exploration of respiratory function in the study of localization of bronchial obstructions] Estada J. **Bronches** 25(6):361–73, Nov-Dec 75 **(Fre)**

[Thr prognostic value of chronic cough, sputum and spirometry assessed by 10-year mortality among 1487 working men (author's transl)] Kauffmann F, et al. **Bull Physiopathol Respir (Nancy)** 11(1):45–64, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Value of the measurement of ventilatory and circulatory components in CO2 ductance] Hohn B, et al. **Poumon Coeur** 31(3):131–8, 1975 (Eng. Abstr.) **(Fre)**

[Value of pulmonary hemodynamic exploration during muscular exercise in chronic bronchitis?] Weitzenblum E, et al. **Poumon Coeur** 32(3):99–106, 1976 (Eng. Abstr.) **(Fre)**

[Discriminating properties of the lung function pattern in chronic bronchitis, bronchial asthma and pulmonary emphysema] Reinert M. **Ann Univ Sarav [Med]** 22(1):1–54, 1975 **(Ger)**

[Post-traumatic function test: Lung and thoracic wall] Nolte D. **Hefte Unfallheilkd** (121):251–6, 1975 **(Ger)**

[Computer experience and further developments in the respiratory function laboratory (author's transl)] Schindl R, et al. **Med Klin** 70(45):1815–20, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Data processing in the pulmonary function diagnosis] Renovanz HD. **Med Monatsschr** 29(8):367–8, Aug 75 (126 ref.) **(Ger)**

[Work of breathing in ventilation related to commonly used parameters of pulmonary function in normal subjects (author's transl)] Börngen U. **Prax Pneumol** 29(6):315–30, Jun 75 (Eng. Abstr.) **(Ger)**

[Function tests in the diagnosis of stenosis of the upper air passages (author's transl)] Siemon G, et al. **Prax Pneumol** 30(1):26–30, Jan 76 (Eng. Abstr.) **(Ger)**

[Correlation of perfusion scintigram, radiological result and pulmonary function tests in chronic bronchitis syndrome (author's transl)] Luschnitz E, et al. **Radiol Diagn (Berl)** 15(1):99–103, 1974 (Eng. Abstr.) **(Ger)**

[Reversibility or irreversibility of pulmonary function changes after cardiac surgery on insufficient or stenotic cardiac valves (author's transl)] Seboldt H, et al. **Thoraxchirurgie** 23(4):431–6, Aug 75 (Eng. Abstr.) **(Ger)**

[Respiratory function tests in chronic uremic patients] Pénzes I, et al. **Orv Hetil** 117(12):711–4, 21 Mar 76 **(Hun)**

[Clinical rhino-rheomanometry. I. Values in normal subjects] Crifò S, et al. **Boll Soc Ital Biol Sper** 51(7):420–3, 15 Apr 75 **(Ita)**

[Postsurgical lung function in non-neoplastic lung diseases--follow-up studies] Imura Y, et al. **J Jpn Assoc Thorac Surg** 23(9):1132–9, Sep 75 (Eng. Abstr.) **(Jpn)**

[Examinations of preoperative pulmonary functions in the aged] Aoki K, et al. **Jpn J Anesthesiol** 24(13):1338–43, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Clinical studies on physiopathology of the small airway. (1) Clinical significance of alveolar-arterial gas tension differences] Sato M. **Jpn J Thorac Dis** 14(1):9–16, Jan 76 (Eng. Abstr.) **(Jpn)**

[Evaluation of pulmonary function following bronchoplasty] Tomita M, et al. **Jpn J Thorac Surg** 29(4):249–55, 1976 (Eng. Abstr.) **(Jpn)**

[Lung function tests in children] Nagano J. **Respir Circ (Tokyo)** 23(6):498, Jun 75 **(Jpn)**

[Air pollution and lung function tests] Nagano J. **Respir Circ (Tokyo)** 23(5):396, May 75 **(Jpn)**

[Application of radioisotopes on respiratory function tests] Nagano J. **Respir Circ (Tokyo)** 23(11):974, Nov 75 **(Jpn)**

[Programs of respiratory function tests for population studies related to air pollution (author's transl] Sasaki T. **Respir Circ (Tokyo)** 23(7):577–81, Jul 75 **(Jpn)**

[Comparative studies on respiratory mechanics and gas exchange in patients with pulmonary sarcoidosis in lymph nodes phase (I) and the early disseminated lesions phase (II)] Kowalski J, et al. **Pneumonol Pol** 44(6):546–57, 1976 (Eng. Abstr.) **(Pol)**

[Voluntary hyperventilation test in patients with chronic obstructive lung diseases] Müller J, et al. **Pneumonol Pol** 44(7):621–8, Jul 76 (Eng. Abstr.) **(Pol)**

[Study of reference values for usual spirographic parameters: vital capacity (VC), maximum expiratory volume per second (VEMS) and the VEMS times 100/cv ratio in an urban population] Jienescu Z, et al. **Rev Ig [Pneumoftiziol]** 23(5):427–44, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

[Importance of functional respiratory studies in the diagnosis of lung diseases of an occupational etiology] Navakatikian AO, et al. **Gig Tr Prof Zabol** (4):11–4, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the hemodynamics in the excess pressure respiration test] Raev SF. **Voen Med Zh** (12):71–3, Dec 75 **(Rus)**

[Lung function tests in cystic fibrosis as a means of guiding treatment] Andersen HJ, et al. **Lakartidningen** 73(10):859–62, 3 Mar 76 (Eng. Abstr.) **(Swe)**

HISTORY

Hydrogen, balloons, and pressures. Comroe JH Jr. **Am Rev Respir Dis** 113(1):73–6, Jan 76

[A.F. Cournand, pioneer in respiratory function testing] Kenéz J. **Orv Hetil** 116(46):2725–7, 16 Nov 75 **(Hun)**

INSTRUMENTATION

Continuous positive airway pressure. The collection of expired gases. Pfitzner J. **Anaesthesia** 31(3):410–5, Apr 76

A device to measure closing capacity with positive pressure. Hickey RF, et al. **Anesthesiology** 43(3):365–7, Sep 75

A digital technique for linearising the output of a turbine anemometer. Crane RA, et al. **Biomed Eng** 11(1):19–21, Jan 76

Monitoring of ventilation and lung mechanics during automatic ventilation. A new device. Jonson B, et al. **Bull Physiopathol Respir (Nancy)** 11(5):729–43, Sep-Oct 75

Application and evaluation of portable field instruments for measuring forced expiratory volume of children and adults in environmental health surveys. Burton RM, et al. **Environ Health Perspect** 8:123–31, Aug 74

An automated system for assessing metabolic and respiratory function during exercise. Wilmore JH, et al. **J Appl Physiol** 40(4):619–24, Apr 76

A calibrated dose dispenser for gaseous 133Xe. Gutkowski RF, et al. **J Nucl Med** 16(12):1197–9, Dec 75

Evaluation of an integrated 133Xe regional pulmonary-function analyzer. Rawbone RG. **J Nucl Med** 17(5):337–44, May 76

Proceedings: Modification of an integrating pneumotachograph to eliminate drift. Evans DE. **J Physiol (Lond)** 257(1):3P–4P, May 76

Letter: Lung-function test by airflometer at simulated altitude. Meyers DH. **Lancet** 1(7950):97, 10 Jan 76

Thorax radiography with e.c.g. and respiration control. Bakema H, et al. **Med Biol Eng** 13(4):588–91, Jul 75

An on-line device for the continuous measurement of airway resistance. Miyamoto Y, et al. **Med Biol Eng** 13(5):631–6, Sep 75

Improvements to inlet systems with special reference to the time constants. Heise D, et al. **Pneumonologie** 151(4):245–6, 30 May 75

Today's respiratory mass spectrometer. Smidt U, et al. **Pneumonologie** 151(4):241–3, 30 May 75

A simple pressure calibrator. Sixt R, et al. **Scand J Clin Lab Invest** 36(2):207–8, Mar 76

[Proposal for technical standards of apparatuses used in respiratory function tests. Prepared by the technical commision of the Czechoslovak Society for Physiology and Pathology of Respiration] Felkel H. **Cas Lek Cesk** 114(38):1180–1, 19 Sep 75 **(Cze)**

[Application of coronal discharge to measure biophysical gas flow] L'Huillier JP, et al. **C R Acad Sci [D] (Paris)** 282(11):1133–5, 15 Mar 76 (Eng. Abstr.) **(Fre)**

[On-line data processing in lung functions analysis (author's transl)] Smidt U. **Biomed Tech (Berlin)** 21(05):138–40, Jun 76 (Eng. Abstr.) **(Ger)**

[A telemetric system with integrated circuits for the transmission of heart and respiratory rate] Hüber B, et al. **Z Gesamte Hyg** 22(5):343–8, May 76 (Eng. Abstr.) **(Ger)**

[The clinical application and the evaluation of autopulmonary function analyzer (Spirac) (author's transl)] Yanai C, et al. **Jpn J Clin Pathol** 23(4):300–2, Apr 75 **(Jpn)**

METHODS

Computers in anesthesiology and intensive care. Belleville JW, et al. **Acta Anaesthesiol Belg** 23 Suppl:241–9, 1975

Monitoring respiratory function by computer in ICU. Preliminary work. Demeester M, et al. **Acta Anaesthesiol Belg** 23 Suppl:215–25, 1975

Recent experience with a respiratory monitoring system in intensive care. Lamy ML, et al. **Acta Anaesthesiol Belg** 23 Suppl:229–38, 1975

Applications of volume (flow) and pressure plethysmography. Demedts M, et al. **Acta Tuberc Pneumol Belg** 66(6):492–507, Nov-Dec 75

Clinical application of regional lung function studies in infants and small children using 13N. Ronchetti R, et al. **Arch Dis Child** 50(8):595–603, Aug 75

Letter: Pulmonary function in occupationally exposed populations. Miller A. **Arch Environ Health** 31(3):171–2, May-Jun 76

Determination of regional pulmonary mechanics using a scintillation camera. Brown RC, et al. **Aviat Space Environ Med** 47(3):231–7, Mar 76

Assessment of regional ventilation by continuous inhalation of radioactive krypton-81m. Fazio F, et al. **Br Med J** 3(5985):673–6, 20 Sep 75

Some methodological problems in assessment of chronic respiratory diseases prevalence. Leowski J, et al. **Bronches** 24(6):322–7, Nov-Dec 74

Measurement of closing volumes by the single-breath nitrogen washout technique in an epidemiological study. Rasmussen FV, et al. **Bull Physiopathol Respir (Nancy)** 11(1):21P–26P, Jan-Feb 75

Occlusion pressure as a technique in evaluating respiratory control. Cherniack NS, et al. **Chest** 70(1 Suppl):137–41, Jul 76

Unilateral lung function. Comparison of the lateral position test with radionuclide ventilation-perfusion studies. Marion JM, et al. **Chest** 69(1):5–9, Jan 76

Measurement of ventilatory response to CO2 by rebreathing. Rebuck AS. **Chest** 70(1 Suppl):118–21, Jul 76

Measurement of the ventilatory response to hypoxia. A step hypoxia three-minute test. Severinghaus J, et al. **Chest** 70(1 Suppl):121–4, Jul 76

Proposed standard determination of ventilatory responses to hypoxia and hypercapnia in man. Severinghaus JW. **Chest** 70(1 Suppl):129–31, Jul 76

Biplane videoroentgenographic analysis of dynamic regional lung strains in dogs. Chevalier PA, et al. **J Appl Physiol** 40(1):118–22, Jan 76

Validation of an automated determination of pulmonary resistance by electrical subtraction. Drazen JM, et al. **J Appl Physiol** 40(1):110–13, Jan 76

A high accuracy linear rate meter. Wyss CR. **J Appl Physiol** 39(2):327–30, Aug 75

Lung function test by peak-flow gauge at altitude. Pines A. **Lancet** 1(7952):195, 24 Jan 76

New tests to assess lung function: occlusion pressure--a simple measure of the respiratory center's output. Milic-Emili J, et al. **N Engl J Med** 293(20):1029–30, 13 Nov 75 (15 ref.)

Application of rebreathing techniques to analysis of alveolar gas exchange: theory. Piiper J. **Pneumonologie** 151(4):250–1, 30 May 75

The bloodless determination of av-O2 saturation difference from expiratory O2 and CO2 curves. Smidt U, et al. **Pneumonologie** 151(4):270–2, 30 May 75

Evaluation of pulmonary capillary blood flow by rebreathing of inert gases. Teichmann J. **Pneumonologie** 151(4):272–3, 30 May 75

Evaluation of some simple methods of expressing the capnographic curve. Vargha G. **Pneumonologie** 153(2):105–8, 9 Apr 76

Battery of single-breath tests for rapid measurement of pulmonary function using a respiratory mass spectrometer. West JB, et al. **Pneumonologie** 151(4):258–63, 30 May 75

Normal and pathological respiratory sounds analyzed by means of a new phonopneumographic apparatus. Grassi C, et al. **Respiration** 33(4):315–24, 1976

Inherent problems in dynamic lung studies. Munkner T. **Strahlentherapie [Sonderb]** 74:403–17, 1975

[Evaluation of the maturity of the fetal lungs by determining the lecithin/sphingnomyelin correlation in the amniotic fluid via Clements' foam test] Smilov I, et al. **Akush Ginekol (Sofiia)** 14(6):429–35, 1975 (Eng. Abstr.) **(Bul)**

[Dynamic radioisotope studies of the regional functions of the lung (a preliminary report)] Vaskov L, et al. **Vutr Boles** 14(3):128–36, 1975 (Eng. Abstr.) **(Bul)**

[Exercise function tests in pneumology] Kiger JP, et al. **Poumon Coeur** 30(6):395–401, 1974 (Eng. Abstr.) **(Fre)**

[Ariway resistance in intensive care patients (author's transl)] Schumann K, et al. **Anaesthesist** 25(6):278–83, Jun 76 (Eng. Abstr.) **(Ger)**

[Methodological problems in the analysis of respiratory gases (author's transl)] Smidt U, et al. **Biomed Tech (Berlin)** 21(4):102–14, May 76 (Eng. Abstr.) **(Ger)**

[Determination of intrapulmonary right-left shunt in thoracic injuries] Imig H, et al. **Hefte Unfallheilkd** (121):180–2, 1975 **(Ger)**

[Minor lung function tests in medical practice] Krieger E. **Hippokrates** 45(4):529–31, Nov 74 **(Ger)**

[A new method for measurement of the anatomical dead space with the aid of the dead air plateau (author's transl)] Barnikol WK, et al. **Pneumonologie** 152(1-3):227–33, 26 Sep 75 (Eng. Abstr.) **(Ger)**

[Critical selection of normal values for a computer program in the evaluation of lung function (author's transl)] Rühle KH, et al. **Pneumonologie** 153(3):223–33, 25 Jun 76 (Eng. Abstr.) **(Ger)**

Comparison of the helium rebreathing method and the x-ray film densitometry in epidemiological screening tests of CNSLD (author's transl)] Wuthe H, et al. **Z Erkr Atmungsorgane** 143(3):239–45, Jun 75 (Eng. Abstr.) **(Ger)**

[Behavior of patients with pulmonary silicosis during the exercise test with increasing load] Casula D, et al. **Boll Soc Ital Biol Sper** 51(21):1486–9, 15 Nov 75 **(Ita)**

[Considerations on the physiological interpretation of the exercise test with increasing load] Casula D, et al. **Boll Soc Ital Biol Sper** 51(21):1480–5, 15 Nov 75 **(Ita)**

[Usefulness of the Three Apnea Test in evaluation of cardiorespiratory function in athletes] Tarzia R, et al. **Boll Soc Ital Biol Sper** 51(14):849–53, 30 Jul 75 **(Ita)**

[Analysis of regional 133 Xe washout curve of the lung – use of a simulation model] Yamada K, et al. **Jpn J Nucl Med** 12(3):261–72, Jun 75 (Eng. Abstr.) **(Jpn)**

[Computerized system for clinical pulmonary function test (author's transl)] Ogushi Y, et al. **Respir Circ (Tokyo)** 23(7):595–601, Jul 75 **(Jpn)**

[Programs for respiratory function tests] Yamamura H. **Respir Circ (Tokyo)** 23(7):575–6, Jul 75 **(Jpn)**

[New methods of respiratory function testing used in the diagnosis of infantile bronchial asthma] Dimitriu AG, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):517–21, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[X-ray functional studies for determining the functional state of the bronchopulmonary system in silicalcite manufacturing workers] Bobykin SS, et al. **Gig Tr Prof Zabol** (4):21–4, Apr 75 (Eng. Abstr.) **(Rus)**

[Selection of alveolar air for continuous operation gas analyzers] Mishchenko VS, et al. **Fiziol Zh** 21(3):415–7, May–Jun 75 **(Ukr)**

STANDARDS

Projections on standards for respiratory function measurements. Partridge LD. **Chest** 70(1 Suppl):191–5, Jul 76

[Proposal for the creation of normal standards with reference to the graduated standardized c.e.e. test] Casula D, et al. **Boll Soc Ital Biol Sper** 51(21):1473–9, 15 Nov 75 **(Ita)**

[Standard ventilatory function level of Japanese] Baba H. **Jpn J Thorac Dis** 13(7):396–402, Jul 75 (Eng. Abstr.) **(Jpn)**

RESPIRATORY HYPERSENSITIVITY

An up-to-date look at mold allergy. Prince HE, et al. **Ann Allergy** 37(1):18–25, Jul 76 (60 ref.)

Hypersensitivity pneumonitis: current concepts of etiology and pathogenesis. Lopez M, et al. **Annu Rev Med** 27:453–63, 1976 (53 ref.)

Editorial: Extrinsic allergic alveolitis. **Br Med J** 1(6013):791, 3 Apr 76

Animal model of sensitization by inhalation. Barboriak JJ, et al. **Clin Exp Immunol** 24(3):542–5, Jun 76

The effect of beta adrenergic blockade on bronchial sensitivity to acetyl-beta-methacholine in normal and allergic rhinitis subjects. Townley RG, et al. **J Allergy Clin Immunol** 57(4):358–66, Apr 76

Allergic alveolar diseases. Problems in diagnosis and management. Richerson HB. **Postgrad Med** 60(9):121–7, Sep 76

Immunologically mediated lung diseases. Extrinsic allergic alveolitis and allergic bronchopulmonary aspergillosis. Slavin RG. **Postgrad Med** 59(4):137–41, Apr 76

Respiratory fungus allergy and infection. Citron KM. **Proc R Soc Med** 68(9):587–91, Sep 75

A case of allergic pulmonary aspergillosis. Konno K, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 22(3–4):61–5, Dec 75

[Birb-fancier's disease. New clinical, diagnostic and medico-legal aspects] Molina C, et al. **Nouv Presse Med** 5(12):784–6, 20 Mar 1976 **(Fre)**

[Hypersensitivity bronchopneumopathies. Importance of occupational factors] de Haller R. **Rev Med Suisse Romande** 96(1):57–75, Jan 76 **(Fre)**

[Allergies to animal hair in diseases of the upper respiratory tract (author's transl)] Rudolph R, et al. **Dtsch Med Wochenschr** 100(50):2557–61, 12 Dec 75 (Eng. Abstr.) **(Ger)**

[Clinical picture of exogenic allergic alveolitis] Nolte D. **Med Welt** 27(16):739–42, 16 Apr 76 **(Ger)**

[Pollens and allergic diseases of the respiratory tract] Gniazdowski R. **Wiad Lek** 29(1):24–9, 1 Jan 76 **(Pol)**

CHEMICALLY INDUCED

Penicillin-associated pulmonary hypersensitivity reaction and interstitial nephritis. Geller M, et al. **Ann Allergy** 37(3):183–90, Sep 76

Pancreatic extract lung sensitivity. Hill D. **Med J Aust** 2(14):553–5, 4 Oct 75

The correlation between exercise-induced bronchoconstriction and bronchial methacholine sensitivity in asthma. Kiviloog J. **Pediatrics** 56(5 pt-2 suppl):908–9, Nov 75

COMPLICATIONS

Proceedings: Bird fancier's lung and coeliac disease. Berrill WT, et al. **Gut** 16(10):825–6, Oct 75

Hyperimmunoglobulinemia E in a child with allergic bronchopulmonary aspergillosis and bronchiectasis. Hart RJ, et al. **J Pediatr** 89(1):38–41, Jul 76

Bird-fancier's lung and jejunal villous atrophy. Berrill WT, et al. **Lancet** 2(7943):1006–8, 22 Nov 75

Editorial: Bird fancier's lung and jejunal villous atrophy. **Med J Aust** 1(22):813–4, 29 May 76

Relationship of allergy, enuresis, and urinary infection in children 4 to 7 years of age. Siegel S, et al. **Pediatrics** 57(4):526–8, Apr 76

[Effect of allergy and various upper respiratory tract diseases on the development of bronchospastic conditions. I. Coexistence of pathologic changes in upper and lower airways. II. Effect of pathological changes in the upper respiratory tract on the onset and clinical picture of bronchial asthma. III. Behabior of some immuno-chemical indices in patients with allergic rhinitis and bronchospastic episodes] Wasek Z, et al. **Pneumonol Pol** 44(4):357–69, 1976 (Eng. Abstr.) **(Pol)**

[The allergic factor in the causes of middle ear diseases in children] Florescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(2):141–4, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

The value of inhalation challenge testing as an office procedure. Easton JG. **Ann Allergy** 35(4):234–8, Oct 75

A study of the role of hypersensitivity in bronchial asthma in Chiang Mai. Sutthipunthu P, et al. **J Med Assoc Thai** 59(5):191–99, May 76

Recognizing the allergic individual. Marks MB. **Postgrad Med** 58(4):55–61, Oct 75 (18 ref.)

Allergic bronchopulmonary aspergillosis: a study of 46 cases with special reference to laboratory aspects. Khan ZU, et al. **Scand J Respir Dis** 57(2):73–87, 1976

[Frequency and correlative relation of diagnostic criteria in animal dander allergy] Schultze-Werninghaus G, et al. **Acta Allergol (Kbh)** 31(1):44–60, Feb 76 (Eng. Abstr.) **(Ger)**

[Allergic reactions to the house-dust mite in children with obstructive disease of the respiratory tract (author's transl)] Richter I, et al. **Med Klin** 70(37):1484–7, 12 Sep 75 (Eng. Abstr.) **(Ger)**

[Allergy tests and lung function (author's transl)] Reichel G. **Prax Pneumol** 29(4):226–32, Apr 75 (Eng. Abstr.) **(Ger)**

[In-vivo tests and the radio-allergo-sorbent-test (RAST) in the diagnosis of sensitization by compositae pollen (author's transl)] Virchow C, et al. **Prax Pneumol** 30(1):11–8, Jan 76 (Eng. Abstr.) **(Ger)**

[Determination of specific IgE serum antibodies using the Radio-Allergo-Sorbent-Test (RAST) and its significance for the diagnosis of atopic allergy] Wüthrich B, et al. **Schweiz Med Wochenschr** 105(42):1337–45, 18 Oct 75 (Eng. Abstr.) **(Ger)**

[The acetylcholine test in industrial fitness assessments of miners] Roth J. **Z Gesamte Hyg** 21(8):636–8, Aug 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Letter: Allpyral extracts. Fox LA. **Ann Allergy** 35(4):268, Oct 75

Inhibition of allergic reactions by cromoglycate and by a new anti-allergic drug(10-chloro-1,4,6,9-tetrahydro-4,6-dioxopyrido(3,2-g) acid). II. Activity in primates against aerosolized Ascaris suum antigen. Johnson HG, et al. **Int Arch Allergy Appl Immunol** 50(4):454–62, 1976

Antigen-induced hypersensitivity of the bronchial system and the influence of disodium cromoglycate. Zimmermann I, et al. **Pneumonologie** 153(2):95–103, 9 Apr 76

Beclomethasone dipropionate in the treatment of nasal allergy in children. Shore SC, et al. **Postgrad Med J** 51 Suppl 4:III–3, 1975

[Pneumoallergy treated as miliary tuberculosis of the lungs] Vlatković V. **Plucne Bolesti Tuberk** 27(4):274–8, Oct–Dec 75 (Eng. Abstr.) **(Cro)**

[Recent acquisitions in the field of allergology] Cousergue JL. **Maroc Med** 55(591):293–6, Jun 75 **(Fre)**

[Use and usefulness of disodium cromoglycate in occupational allergic asthma] Andri L, et al. **Atti Accad Med Lomb** 27(1–4):123–6, 1972 **(Ita)**

ETIOLOGY

Incidence of respiratory allergy not increased after anesthesia in infancy. Jones A, et al. **Anesthesiology** 45(1):29–30, Jul 76

Interstital lung disease due to contamination of forced air systems. Fink JN, et al. **Ann Intern Med** 84(4):406–13, Apr 76

Extrinsic allergic alveolitis in Scottish maltworkers. Grant IW, et al. **Br Med J** 1(6008):490–3, 28 Feb 76

The influence of the corn dust on the human body (a survey of literature). Jaremin B, et al. **Bull Inst Marit Trop Med Gdynia** 26(1):43–51, 1975 (47 ref.)

Acute pulmonary hypersensitivity to carbamazepine. Cullinan SA, et al. **Chest** 68(4):580–1, Oct 75

Humidifier lung: hypersensitivity pneumonitis related to thermotolerant bacterial aerosols. Kohler PF, et al. **Chest** 69(2 Suppl):294–6, Feb 76

Causes of extrinsic allergic alveolitis. pp. 261–70. Molina C, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Clinical studies with some air-borne pollens and dusts as respiratory allergens around Varanasi. Jha VK, et al. **Indian J Chest Dis** 17(3):107–12, Jul 75

Toluene diisocyanate (TDI) pulmonary disease: immunologic and inhalation challenge studies. Butcher BT, et al. **J Allergy Clin Immunol** 58(1 PT 1):89–100, Jul 76

The role of precipitins and complement activation in the etiology of allergic lung disease. Olenchock SA, et al. **J Allergy Clin Immunol** 58(1 PT 1):76–88, Jul 76

Letter: HLA-B8 in pigeon-fancier's lung. Rittner C, et al. **Lancet** 2(7948):1303, 27 Dec 75

Hypersensitive lung disease due to avian antigens. Zylak CJ, et al. **Radiology** 114(1):45–9, Jan 75

Hypersensitivity pneumonitis after exposure to isocyanates. Charles J, et al. **Thorax** 31(2):127–36, Apr 76

Fatal pulmonary hypersensitivity reaction to HL-A incompatible blood transfusion:report of a case and review of the literature. Wolf CF, et al. **Transfusion** 16(2):135–40, Mar–Apr 76

[Occupationally induced sensitization of respiratory airways by animal-hair and animal-dust] Czecholinski K, et al. **Berufsdermatosen** 23(3):87–96, Jun 75 (Eng. Abstr.) **(Ger)**

[Guinea-pig and golden-hamster hair allergy] Bruchhausen D, et al. **Z Allgemeinmed** 51(34):1600–2, 10 Dec 75 **(Ger)**

[Fungi and respiratory allergy] Nakayama Y. **Jpn J Bacteriol** 30(3):453–6, May 75 **(Jpn)**

[Etiology of allergic diseases of the upper respiratory tract in Kazakhstan] Moshkevich VS. **Vestn Otorinolaringol** (1):49–52, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Nature of diseases in poultry farm workers] Krasniuk EP, et al. **Vrach Delo** (11):124–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Allergic diseases of the upper respiratory tract in workers of tobacco plantations] Tulebaev RK, et al. **Zh Ushn Nos Gorl Bolezn** (4):12–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Family studies in hypersensitivity pneumonitis. Allen DH, et al. **Chest** 69(2 Suppl):283–4, Feb 76

A family with pigeon fanciers disease. Redmond AO, et al. **Ir Med J** 68(15):381–3, 9 Aug 75

IMMUNOLOGY

Studies on the buckwheat allergose report 2: clinical investigation on 169 cases with the buckwheat allergose gathered from the whole country of Japan. Nakamura S, et al. **Allerg Immunol (Leipz)** 20–21(4):457–65, 1974–75

Cellular and humoral bronchopulmonary immune response of rabbits immunized with thermophilic actinomyces antigen. Harris JO, et al. **Am Rev Respir Dis** 114(1):29–43, Jul 76

Acute hypersensitivity pneumonitis in the rabbit. I. An animal model with horseradish peroxidase as antigen. Joubert JR, et al. **Am Rev Respir Dis** 113(4):503–13, Apr 76

House dust mite and house dust allergy. Collins-Williams, et al. **Ann Allergy** 37(1):12–7, Jul 76

Letter: Extrinsic allergic alveolitis. Penny R. **Br Med J** 2(6030):302–3, 31 Jul 76

Pulmonary responses to particulate materials capable of activating the alternative pathway of complement. Edwards JH, et al. **Clin Allergy** 6(2):155–64, Mar 76

Measurement of specific IgE antibodies in nasal secretion--evidence for local production. Merrett TG, et al. **Clin Allergy** 6(1):69–73, Jan 76

Pigeon breeder's disease. II. Pigeon antigen induced proliferation of lymphocytes from symptomatic and asymptomatic subjects. Schatz M, et al. **Clin Allergy** 6(1):7–17, Jan 76

Allergic alveolitis. pp. 355–65. Pepys J. **In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8.** (26 ref.)

Immunology of respiratory disease. pp. 320–1. Citron KM. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Allergic mechanisms in extrinsic allergic alveolitis. pp. 271–81. Reed CE. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.** (33 ref.)

Auto antibodies in allergic respiratory disease. pp. 283–92. Turner-Warwick M. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Serological investigations in 15 cases of bird fanciers disease. Müller U, et al. **Int Arch Allergy Appl Immunol** 50(3):341–58, 1976

Experimental hypersensitivity pneumonitis. Humoral and cell-mediated immune response of cattle to Micropolyspora faeni and clinical response to aerosol challenge. Wilkie BN. **Int Arch Allergy Appl Immunol** 50(3):359–73, 1976

Passive transfer of experimental hypersensitivity pneumonitis with lymphoid cells in the rabbit. Bice DE, et al. **J Allergy Clin Immunol** 58(2):250–62, Aug 76

Wood dust hypersensitivity. Booth BH, et al.

J Allergy Clin Immunol 57(4):352–7, Apr 76

Immunologic cross-reactions among thermophilic actinomycetes associated with hypersensitivity pneumonitis. Kurup VP, et al. **J Allergy Clin Immunol** 57(5):417–21, May 76

Activation of the complement sequence by extracts of bacteria and fungi associated with hypersensitivity pneumonitis. Marx JJ, et al. **J Allergy Clin Immunol** 57(4):328–34, Apr 76

Immunologically induced lung disease in guinea pigs. A comparison of ovalbumin and pigeon serum as antigens. Santives T, et al. **J Allergy Clin Immunol** 57(6):582–94, Jun 76

Immunoglobulins in allergic broncho-pulmonary aspergillosis (ABPA). Sobti KL, et al. **J Assoc Physicians India** 23(8):509–11, Aug 75

Application of immunologic principles to peripheral airway 'hypersensitivity' lung diseases. Salvaggio J, et al. **J La State Med Soc** 128(07):181–7, Jul 76

Serum immunoglobulin E concentrations and radioallergosorbent tests in children with atopic dermatitis. Church JA, et al. **Pediatr Res** 10(2):97–9, Feb 76

Antigen-induced airway obstruction and the influence of vagus blockade. Zimmermann I, et al. **Respiration** 33(2):95–103, 1976

Serum immunoglobin E concentrations of allergic patients and blood donors. Influence of allergy, sex and race on IgE values. Orren A, et al. **S Afr Med J** 49(34):1387–90, 9 Aug 75

[Immunologic factors intervening in reactions to pollutants] pp. 51–62. Molina C, et al.
In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974. (Eng. Abstr.) **(Fre)**

[Letter: Presence of immune complexes in the circulation and renal mesangium of a patient with pulmonary extrinsic allergic alveolitis] Akoun GM, et al. **Nouv Presse Med** 4(24):1816, 14 Jun 75 **(Fre)**

[Radio-allergo-sorbent-test in the diagnosis of sensitization by mould spores (author's transl)] Virchow C, et al. **Prax Pneumol** 29(10):555–68, Oct 75 (Eng. Abstr.) **(Ger)**

[Budgerigar breeder's disease—a case report] Konishi K, et al. **Jpn J Thorac Dis** 13(12):716–20, Dec 75 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

A scheme for the identification of thermophilic actinomycetes associated with hypersensitivity pneumonitis. Kurup VP, et al. **J Clin Microbiol** 2(1):55–61, Jul 75

OCCURRENCE

The value of precipitating antibodies in screening for hypersensitivity pneumonitis. doPico GA, et al. **Am Rev Respir Dis** 113(4):451–5, Apr 76

Incidence of serum precipitins against organic-dust antigens in different populations by counterimmunoelectrophoresis. Phanuphak P, et al. **Chest** 68(6):753–8, Dec 75

Pyloromyotomy: Does surgery in infancy increase allergy? Ballantine TV, et al. **Pediatrics** 56(3):404–6, Sep 75

[Massive incidence of acute toxico-allergic involvement of the respiratory tract in adolescents] Mi-56súr M, et al. **Vnitr Lek** 22(7):703–8, Jul 76 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Kinetics of mucous cells in bronchial and bronchiolar epithelia during aerogenic elicitation with aspergillary proteins. A quantitative cytologic study. Eskenasy A, et al. **Morphol Embryol (Bucur)** 21(2):149–55, 1975

Sarcoid-like lesions in the lung by selective intrabronchial instillation of antigen in previously sensitized rabbits. Bahadori M, et al. **Respiration** 33(5):389–95, 1976

Morphogenesis and pathogenesis of chronic lung diseases. VIII. Cellularization of lung interlobular areas as a preliminary phase of peribronchovascular fibrosis. Eskenasy A, et al. **Rev Roum Med [Med Intern]** 14(1):39–45, Jan-Mar 76

[Fine structure of human nasal mucosa in acute allergic reaction (author's transl)] Jahnke V, et al. **Laryngol Rhinol Otol (Stuttg)** 55(8):637–43, Aug 76 (Eng. Abstr.) **(Ger)**

[Fluorescence rhinocytoscopy as an index of the functional state of the mucous membrane of the nose in children] Dibizhev VK, et al. **Vestn Otorinolaringol** (6):94–5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Pathology of immuno-allergic pneumopathies] Veloso DS. **An R Acad Nacl Med (Madr)** 92(3):397–442, 1975 **(Spa)**

PHYSIOPATHOLOGY

Airway responses to methacholine in allergic and nonallergic subjects. Fish JE, et al. **Am Rev Respir Dis** 113(5):579–86, May 76

Effect of unilateral vagus blockade on antigen-induced airway obstruction. Zimmermann I, et al. **Respiration** 33(5):359–65, 1976

Effect of ascaris extract applied intravenously, on segment bronchus and the influence of ipsilateral vagus blockade. Zimmermann I, et al. **Respiration** 33(4):270–80, 1976

[The importance of nervus vagus for bronchial obstruction of allergic and non-allergic origin and the therapeutic consequences (author's transl)] Kunkel G, et al. **Prax Pneumol** 30(8):459–68, Aug 76 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Letter: Preventing allergies caused by airborne particles. Little EC, et al. **NZ Med J** 83(558):130–1, 25 Feb 76

RADIOGRAPHY

[Proceedings: Radiologic aspects of extrinsic allergic alveolitis] Voisin C, et al. **J Radiol Electrol Med Nucl** 56(12):924, Dec 75 **(Fre)**

SURGERY

[Surgery of the nose and paranasal sinuses in respiratory hypersensitivity] Hlaváček V. **Cesk Otolaryngol** 24(6):357–61, Dec 75 (Eng. Abstr.) **(Cze)**

THERAPY

D. pteronyssinus-tyrosine adsorbate: biological and clinical properties. Miller AC, et al. **Acta Allergol (Kbh)** 31(1):35–43, Feb 76

Letter: Investigation and treatment of allergic asthma. **Can Med Assoc J** 115(6):494, 18 Sep 76

Letter: Investigation and treatment of allergic asthma. Collins-Williams C. **Can Med Assoc J** 114(12):1086–90, 19 Jun 76

Specific treatment of respiratory allergy. Taub SJ. **Eye Ear Nose Throat Mon** 55(2):52, 54–5, Feb 76

Immunotherapy for mountain cedar pollinosis. A double-blind controlled study. Pence HL, et al. **J Allergy Clin Immunol** 58(1 PT 1):39–50, Jul 76

Chronic respiratory diseases of school-age children. McGovern JP. **J Sch Health** 46(6):344–54, Jun 76

Letter: Transfer factor in atopic disease. Alonso A. **Lancet** 1(7973):1352, 19 Jun 76

[Personality and respiratory hypersensitivity. Attempts at psychotherapy] Chenebault J, et al. **Maroc Med** 55(591):340–5, Jun 75 **(Fre)**

[Allergic bronchopneumopathies and immunotherapy] Renovanz BH. **Med Monatsschr** 30(3):121–2, Mar 76 **(Ger)**

[Clinical and immunological observations in peroral hyposensitization of pollinosis of the child] Michel H. **Monatsschr Kinderheilkd** 124(5):247, May 76 **(Ger)**

[Immunotherapy of extrinsic respiratory allergy. II. Longitudinal study of the blocking antibody level] Crifò S, et al. **Boll Soc Ital Biol Sper** 51(7):417–9, 15 Apr 75 **(Ita)**

[Nonspecific desensitization with gamma globulin in some allergic diseases. Results obtained] Hirizescu D, et al. **Rev Chir [Otorinolaringol]** 21(2):99–106, Apr-Jun 76 (Eng. Abstr.) **(Rum)**

RESPIRATORY INSUFFICIENCY

Catastrophic pulmonary failure. Briscoe WA, et al. **Am J Med** 60(2):248–58, Feb 76 (32 ref.)

Letter: The adult respiratory distress syndrome— lumping or separating: a controversy? **Am Rev Respir Dis** 112(6):888–9, Dec 75

The adult respiratory distress syndrome. Hopewell PC, et al. **Annu Rev Med** 27:343–56, 1976 (84 ref.)

Respiratory impairment including assessment of disability. Budapest, Hungary, June 22–26, 1975. I. Summary of the conference. Becklake MR. **Bull Physiopathol Respir (Nancy)** 11(6):203P–9P, Nov-Dec 75

Alteration of endotracheal tube position. Flexion and extension of the neck. Conrardy PA, et al. **Crit Care Med** 4(1):7–12, Jan-Feb 76

Acute respiratory failure. Wilson RF, et al. **Crit Care Med** 4(2):79–89, Mar-Apr 76

Respiratory distress in pediatrics. pp. 199–208. Beloff JS.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Editorial: What's in the cards for ARDS? Vaisrub S. **JAMA** 236(8):960, 23 Aug 76

Late pulmonary function in survivors of adult respiratory distress syndrome. Richardson JV, et al. **South Med J** 69(6):735–7, 740, Jun 76

Pulmonary failure after trauma. Lowe RJ, et al. **Surg Annu** 8:63–89, 1976 (130 ref.)

[Chronic respiratory insufficiency and its treatment] Macquet V. **Lille Med** 21 spec no:255–61, 1976 **(Fre)**

[Diagnosis and treatment of acute respiratory failure (author's transl)] Reichel G. **Prax Pneumol** 3(2):65–72, Feb 76 (Eng. Abstr.) **(Ger)**

[Shock lung. Introduction] Herzog H. **Verh Dtsch Ges Inn Med** 81:436–6, 1975 **(Ger)**

[Symposium on chronic respiratory failure. (4) Studies on the long-term follow-up cases (author's transl)] Koike S. **J Jpn Soc Intern Med** 64(11):1230–5, 10 Nov 75 **(Jpn)**

[Simposium on chronic respiratory failure. (3) Acute exacerbation (author's transl)] Nagano H. **J Jpn Soc Intern Med** 64(11):1225–9, 10 Nov 75 **(Jpn)**

[Blood coagulation and pulmonary hypertension in acute and chronic respiratory insufficiency] Pribylova NN, et al. **Sov Med (4)**:147, Apr 75 **(Rus)**

[Volume-flow curve (V'/V). Physiological value and clinical significance] Manresa Presas F, et al. **Rev Clin Esp** 140(1):1–7, 15 Jan 76 (23 ref.) **(Spa)**

BLOOD

Respiratory failure: correlation between encephalopathy, blood gases and blood ammonia. Demedts M, et al. **Respiration** 33(3):199–210, 1976

[Erythropoietin determination in patients with pulmonary insufficiency] pp. 101–4. Heilmann E, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Symposium on chronic respiratory failure. (1) Clinical respiratory distress——clinical significance of arterial blood gas abnormalities (author's transl)] Yokoyama T. **J Jpn Soc Intern Med** 64(11):1212–8, 10 Nov 75 **(Jpn)**

[Serum copper and iron levels in respiratory failure] Przeździak J. **Pol Arch Med Wewn** 55(2):171–7, Feb 76 (Eng. Abstr.) **(Pol)**

[Changes in the acid-base equilibrium and blood oxygen content in pulmonary diseases with respiratory insufficiency (clinical manifestations and treatment)] Kabakov AI. **Ter Arkh** 47(3):74–81, 1975 (Eng. Abstr.) **(Rus)**

[Changes in serum lipids in experimental respiratory insufficiency in the rabbit] González Santos P, et al. **Rev Clin Esp** 141(5):435–9, 15 Jun 76 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Letter: Adult respiratory distress syndrome associated with colchicine intoxication. Hill RN, et al. **Ann Intern Med** 83(4):523–4, Oct 75

Letter: Placidyl and pulmonary effects. Rosenthal R, et al. **Ann Intern Med** 85(1):126, Jul 76

Toxicity secondary to intravenously administered chloroform in humans. Timms RM, et al. **Arch Intern Med** 135(12):1601–3, Dec 75

Acute respiratory failure precipitated by a carbonic anhydrase inhibitor. Coudon WL, et al. **Chest** 69(1):112–3, Jan 76

Letter: Acute respiratory distress following formalin inhalation. Porter JA. **Lancet** 2(7935):603–4, 27 Sep 75

Codeine intoxication in childhood. von Muhlendahl KE, et al. **Lancet** 2(7980):303–5, 7 Aug 76

Letter: Potentially dangerous pressure pack ingredients. Gerber P. **Med J Aust** 2(18):725, 1 Nov 75

Letter: SIDS—is this the answer? Grice AS. **Med J Aust** 2(21):809, 22 Nov 75

Alcohol can be absorbed through the respiratory tract (a case report). Gibson AG. **Med Sci Law** 15(1):64, Jan 75

Intravenous arachidonate in the mouse: a model for the evaluation of antithrombotic drugs. Kohler C, et al. **Thromb Res** 9(1):67–80, Jul 76

[Deaths associated with chlomethiazole (Heminevrin) therapy] Pentikäinen PJ, et al. **Duodecim** 91(21):1319–25, 1975 (Eng. Abstr.) **(Fin)**

[Respiratory and neurologic depression in the premature newborn infant of a mother treated with diazepam] André M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(4):357–66, Jun 73 (Eng. Abstr.) **(Fre)**

[Respiratory arrest after the intravenous administration of promedol] Kalashnik OV, et al. **Pediatr Akush Ginekol** (1):61–2, Jan-Feb 75 **(Ukr)**

COMPLICATIONS

The effect of PEEP on oxygenating capacity in acute respiratory failure with sepsis. Cotev S, et al. **Crit Care Med** 4(4):186–92, Jul-Aug 76

Cardiorespiratory sequelae in a model of sudden infant death. Bonner RA, et al. **J Maine Med Assoc** 67(4):94–6, Apr 76

Reye's syndrome with respiratory failure. Krieger AJ, et al. **Postgrad Med** 59(4):239–43, Apr 76

The lung: responses to trauma, surgery, and sepsis. Hirsch EF, et al. **Surg Clin North Am** 56(4):909–28, Aug 76

Acute respiratory failure and intravascular coagulation. Douglas ME, et al. **Surg Gynecol Obstet** 143(4):555–60, Oct 76

[Mitral stenosis with pulmonary hypertension and severe respiratory insufficiency] Buchvarov TR, et al. **Khirurgiia (Sofiia)** 27(4):257–60, 1974 (Eng. Abstr.) **(Bul)**

[Chronic respiratory insufficiency. Incidence in the results of surgical valvular replacement] Acar J, et al. **Arch Mal Coeur** 68(8):868–76, Aug 75 (Eng. Abstr.) **(Fre)**

[Isotopic study of fluid and electrolyte disturbances in decompensated chronic respiratory insufficiency (author's transl)] Wattel F, et al. **Bull Physiopathol Respir (Nancy)** 11(5):683–707, Sep-Oct 75 (Eng. Abstr.) **(Fre)**

[Letter: The role of brain edema in respiratory encephalopathy] Charpin D, et al. **Nouv Presse Med** 4(32):2336, 4 Oct 75 **(Fre)**

[Treatment of dough in patients with chronic respiratory failure] Vincent J, et al. **Sem Hop Ther** 51(10):565–8, Dec 75 **(Fre)**

[Severe cyanosis in a patient with pulmonary and cardiac insufficiency] Douer D, et al. **Harefuah** 89(2):88, 15 Jul 75 **(Heb)**

[Acute myocardial infarct associated with chronic respiratory insufficiency] Mózer I, et al. **Orv Hetil** 116(41):2418–23, 12 Oct 75 **(Hun)**

[Coronary disease and chronic respiratory insufficiency] Tomasini M, et al. **Med Lav** 65(9–10):359–67, Sep-Oct 74

(Eng. Abstr.) (Ita)
[Clouding of consciousness in pulmonary insufficiency] Nakajima M. **Jpn J Thorac Dis** 13(10):607, Oct 75 (Jpn)
[A case of anoxia by diffusion] Manrique C, et al. **Rev Esp Anestesiol Reanim** 23(2):158–62, Mar 76 (Spa)

DIAGNOSIS

Facial signs of respiratory distress after cardiac surgery. A plea for the clinical approach to mechanical ventilation. Gilston A. **Anaesthesia** 31(3):385–97, Apr 76
A clinical scoring system for adult respiratory distress. Preliminary report of its use in heart disease. Gilston A. **Anaesthesia** 31(3):448–54, Apr 76
Adult respiratory distress syndrome. Webb WR. **Conn Med** 40(1):1–4, Jan 76
Thoracic pressure–volume curves in respiratory failure. Bone RC. **Crit Care Med** 4(3):148–9, May–Jun 76
A wireless respiration failure detection system. Pope JM, et al. **Med Biol Eng** 12(3):348–54, May 74
Bronchial asthma with acute respiratory failure. Scheinman HZ, et al. **Mt Sinai J Med NY** 43(3):268–73, May–Jun 76
[Acute 'adult respiratory distress syndrome'] Bobbaers H. **Acta Clin Belg** 30(6):477–84, 1975 (Eng. Abstr.) (Dut)
[Respiratory signs of surgical complications after abdominal operations] Fogliani J, et al. **Ann Anesthesiol Fr** 16(4):305–10, Jul 75 (Eng. Abstr.) (Fre)
[Use of the FEVsec/theortical FEVsec ratio in the evaluation of respiratory insufficiency in chronic obstructive bronchopneumopathies] Legrand M, et al. **Ann Med Interne (Paris)** 126(8–9):609–13, Aug–Sep 75 (Fre)
[Closing volume and ventilatory distribution disturbances (author's transl)] Voigt E, et al. **Anaesthesist** 25(3):112–6, Mar 76 (Eng. Abstr.) (Ger)
[Scanning in progessive pulmonary failure (shock–lung): preliminary results of a clinical study] Biersack HJ, et al. **Dtsch Med Wochenschr** 101(24):927–9, 11 Jun 76 (Eng. Abstr.) (Ger)
[Differentiation of respiratory function disorders] Hüttemann U. **Hefte Unfallheilkd** (121):286–9, 1975 (Ger)
[Early recognition of accident–induced respiratory complications in the aged] Reichel G. **Hefte Unfallheilkd** (121):19–21, 1975 (Ger)
Models of respiratory insufficiency in view of lung function diagnostics and pathogenetic analysis (author's transl)] Vogel J. **Z Erkr Atmungsorgane** 144(3):194–206, Mar 76 (Eng. Abstr.) (Ger)
[Screening tests for the determination of risk groups in respiratory insufficiency under conditions of epidemiological serial studies] Vogel J, et al. **Z Gesamte Inn Med** 30(13):107–10, 1 Jul 75 (Eng. Abstr.) (Ger)
[Clinico–pathophysiological variants and certain indicators of respiratory insufficiency in chronic obstructive lung diseases] Amatuni VG, et al. **Klin Med (Mosk)** 53(6):64–8, Jun 75 (Eng. Abstr.) (Rus)
[Hemodynamic changes and pulmonary function in positive expiratory pressure] Caparros T, et al. **Rev Clin Esp** 138(5):415–20, 15 Sep 75 (Eng. Abstr.) (Spa)
[Small airway disease: a comparison of three methods for early detection (author's transl)] Sotomayor H, et al. **Rev Med Chil** 103(7):464–9, Jul 75 (Eng. Abstr.) (Spa)

DRUG THERAPY

Ineffectiveness of methylprednisolone in the treatment of pulmonary dysfunction after cardiopulmonary bypass. Coffin LH, et al. **Am J Surg** 130(5):555–9, Nov 75
Practical pharmacology during cardiopulmonary resuscitation. pp. 137–47. Hirschman JC. **In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.**
Intravenous aminophylline dosage. Use of serum theophylline measurement for guidance. Weinberger MW, et al. **JAMA** 235(19):2110–3, 10 May 76
[Indications for beta–adrenergic drugs in the treatment of respiratory insufficiency] Brouet G, et al. **Minerva Med** 67(15):926–9, 13 Mar 76
[Effect of diuretics on respiratory insufficiency induced by hemodynamic disorders in burn patients in the shock phase and in the phase of early toxi–infection] Ranev D, et al. **Anesth Analg (Paris)** 32(1):105–17, Jan–Feb 75 (Fre)
[Indication and experience with an intravenously administered aldosterone–antagonist (soldactone) (author's transl)] Kirsch R. **Praxis** 64(44):1414–7, 4 Nov 75 (Ger)
[Proceedings: Cardiac therapy in chronic respiratory insufficiency] de Sépibus G. **Schweiz Med Wochenschr** 105(28–29):914–6, 12 Jul 75 (Eng. Abstr.) (Ger)
[Use of beta–adrenergic drugs in pediatric therapy] Vialatte J. **Minerva Med** 67(15):947–8, 13 Mar 76 (Ita)
[Effect of benzoctamine (Tacitin) on pulmonary ventilation in patients with respiratory insufficiency] Schaanning J, et al. **Tidsskr Nor Laegeforen** 95(24):1351–2, 30 Aug 75 (Eng. Abstr.) (Nor)

ENZYMOLOGY

[Significance of carbonic anhydrases in respiratory failure] Kawakami Y, et al. **Jpn J Thorac Dis** 13(10):572–8, Oct 75 (Eng. Abstr.) (Jpn)

ETIOLOGY

Fluid overload as a cause of respiratory failure. Bendixen HH. **Acta Anaesthesiol Belg** 23 Suppl:105–8, 1975
Pleural empyema in a newborn infant. An unusual cause of respiratory distress. Petersen S, et al. **Acta Paediatr Scand** 65(4):527–8, Jul 76
Complications of obesity–hypoventilation syndrome in childhood. Riley DJ, et al. **Am J Dis Child** 130(6):671–4, Jun 76
The Jeune syndrome (asphyxiating thoracic dystrophy) in an adult. Friedman JM, et al. **Am J Med** 59(6):857–62, Dec 75
Respiratory complications of overdose with sedative drugs. Jay SJ, et al. **Am Rev Respir Dis** 112(5):591–8, Nov 75
Pulmonary barriers to oxygen transport in chest trauma. Blair E. **Am Surg** 42(1):55–61, Jan 76
Acute respiratory failure in acute pancreatitis. Cameron AG. **Anaesth Intensive Care** 3(3):244–9, Aug 75
Respiratory distress with left aortic arch, right descending aorta, and right ligamentum arteriosum: a case report. Moorthy SS, et al. **Anesth Analg (Cleve)** 55(4):481–4, Jul–Aug 76
Effect of ovine hydatid cyst fluid on the cardiovascular and respiratory systems in sheep. Tabatabai M, et al. **Ann Parasitol Hum Comp** 50(1):7–15, Jan–Feb 75
Sepsis, resuscitated hemorrhagic shock and 'shock lung:' An experimental correlation. Esrig BC, et al. **Ann Surg** 182(3):218–27, Sep 75
Clinical aspect of respiratory tract infections. Norman J. **Antibiot Chemother** 21:103–5, 1976
Acute respiratory failure associated with shock. Weil MH, et al. **Antibiot Chemother** 21:106–14, 1976
Neonatal respiratory failure due to myotonic dystrophy. Simpson K. **Arch Dis Child** 50(7):569–71, Jul 75
Editorial: A bid for BARD. Vaisrub S. **Arch Intern Med** 136(9):967, Sep 76
Respiratory failure as a seizure phenomenon. A case report. Malatinský J, et al. **Br J Anaesth** 47(9):1019–22, Sep 75
Renal failure and postoperative respiratory failure: recurarization? Miller RD, et al. **Br J Anaesth** 48(3):253–6, Mar 76
Neonatal respiratory distress due to a bronchogenic cyst. Crawford DB, et al. **Br J Radiol** 48(570):494–6, Jun 75
Proceedings: The mechanism of acute respiratory insufficiency in acute pancreatitis. Murphy D, et al. **Br J Surg** 63(8):669, Aug 76
Bone resorption of the ribs and pulmonary function in progressive systemic sclerosis. Steigerwald JC, et al. **Chest** 68(6):838–40, Dec 75
Respiratory failure after liver transplantation. Howell RS, et al. **Eur J Intensive Care Med** 1(3):137–40, Nov 75
The diagnosis and treatment of acute respiratory failure in sepsis. Wilson RF. **Heart Lung** 5(4):614–20, Jul–Aug 76
Pulmonary insufficiency syndrome. pp. 173–9. Dudley HA. **In: Walker WF, Taylor DE, ed. Intensive care. Edinburgh, Churchill Livingstone, 1975. W3 PF268 1973i.**
'Ondine's curse'. A complication of upper cervical–spine surgery. Fielding JW, et al. **J Bone Joint Surg [Am]** 57(7):1000–1, Oct 75
Respiratory failure complicating pancreatitis: a case report. Alsikafi FH, et al. **J Ky Med Assoc** 73(12):660–2, Dec 75
Pulmonary function in patients with multiple trauma and associated severe head injury. Abrams JS, et al. **J Trauma** 16(7):543–9, Jul 76
Pulmonary capillary permeability – a transfusion lesion. Berman IR, et al. **J Trauma** 16(6):471–80, Jun 76
Respiratory stridor in the young child. **JACEP** 1(3):195–9, Mar 76
Occurrence of pulmonary insufficiency in abdominal trauma. Sugimoto T, et al. **Jpn J Surg** 5(1):29–38, Mar 75
Postperfusion lung syndrome. A misnomer? Vidne BA, et al. **NY State J Med** 76(5):684–8, May 76
Pulmonary edema and respiratory insufficiency in acute pancreatitis. Rovner AJ, et al. **Radiology** 118(3):513–20, Mar 76
Acute respiratory failure caused by a columnar cell tumour of the trachea. Roncoroni AJ, et al. **Resuscitation** 3(4):281–4, 1974
Breathlessness and blood oxygen tension in patients with chronic bronchitis and emphysema. Manicatide MA, et al. **Rev Roum Med [Med Intern]** 14(3):211–4, Jul–Sep 76 (Eng. Abstr.)
An experimental correlation of sepsis, resuscitated hemorrhagic shock, and 'shock lung'. Esrig BC, et al. **Rev Surg** 33(2):143–6, Mar–Apr 76
Fat embolism and the respiratory distress syndrome. Karlson KE. **RI Med J** 59(4):159–61, 172, Apr 76
Is myxedema coma respiratory failure? Nichols AB, et al. **South Med J** 69(7):945–8, Jul 76
The lung: responses to trauma, surgery, and sepsis. Hirsch EF, et al. **Surg Clin North Am** 56(4):909–28, Aug 76
Pulmonary insufficiency following Escherichia coli bacteremia in dogs. Dennis RC, et al. **Surg Forum** 26:202–4, 1975
Role of pulmonary infection in the pathogenesis of smoke inhalation. Esrig BC, et al. **Surg Forum** 26:204–6, 1975
An adverse pulmonary reaction to cryoprecipitate in a hemophiliac. Reese EP Jr, et al. **Transfusion** 15(6):583–8, Nov–Dec 75
[Mechanisms of respiratory disorders in pulmonary contusions with tegmen thoracis] Krustinov G, et al. **Eksp Med Morfol** 13(3):137–44, 1974 (Eng. Abstr.) (Bul)
[Respiratory complications in patients with multiple injuries] Lahdensuu M. **Duodecim** 91(20):1193–1202, 1975 (Fin)
[Respiratory problems following repeated abdominal surgery] Otteni JC, et al. **Ann Anesthesiol Fr** 16(4):259–83, Jul 75 (Eng. Abstr.) (Fre)
[Pump lung syndrome complication of cardiac surgery (author's transl)] Foliguet B, et al. **Bull Physiopathol Respir (Nancy)** 11(3):353–92, May–Jun 75 (166 ref.) (Fre)
[Endobuccal blast injury and its complications] Morgon A, et al. **J Fr Otorhinolaryngol** 24(9):731–2, Nov 75 (Fre)
[Acute respiratory insufficiency of coal miners with pneumoconiosis] Voisin C, et al. **Lille Med** 20(5):458–71, May 75 (Fre)
[Letter: Spirographic evaluation of respiratory insufficiency in chronic obstructive bronchopneumopathies] Breant J, et al. **Nouv Presse Med** 5(12):794, 20 Mar 1976 (Fre)
[Letter: Pulmonary lesions induced by membrane oxygenator] Gille JP, et al. **Nouv Presse Med** 5(16):1064, 17 Apr 76 (Fre)
[Clinical case: respiratory distress in an adult disclosing a tracheal plasmocytoma] Zaimi A. **Tunis Med** 53(3):207, May–Jun 75 (Fre)
[Clinical study on the shock organs in relation to the duration of shock (author's transl)] Sugimoto T, et al. **Anaesthesist** 25(2):51–5, Feb 76 (Eng. Abstr.) (Ger)
[Respiratory distress due to traumatic lesions in newborn infants and in adults] Schwartz P. **Fortschr Med** 93(25):1133–8, 11 Sep 75 (Eng. Abstr.) (Ger)
[Problem of the so–called 'transfusion' lung] Steinbereithner K, et al. **Infusionstherapie** 1(6):433–8, Aug 74 (Eng. Abstr.) (Ger)
[Pulmonary shock] Burchardi H. **Med Welt** 26(33–34):1474–6, 22 Aug 75 (Ger)
[Acute and fatal respiratory distress due to trauma in neonates and adults (author's transl)] Schwartz P. **Monatsschr Kinderheilkd** 124(3):136–7, Mar 76 (Ger)
[Do the severity and duration of rheumatoid arthritis influence pulmonary ventilation?] Börngen U. **Z Rheumatol** 34(7–8):223–33, Jul–Aug 75 (Eng. Abstr.) (Ger)
[Respiratory insufficiency in severely burned patients] Arturson G. **Magy Traumatol Orthop** 18(4):251–9, 1975 (Hun)
[Prognostic evaluation of cardiorespiratory insufficiency in chronic bronchitis] Cornia G, et al. **Minerva Med** 66(71):3707–13, 24 Oct 75 (Eng. Abstr.) (Ita)
[Respiratory gases and hemodynamics of the lesser circulation] Dagianti A, et al. **Recent Prog Med (Roma)** 58(6):678–90, Jun 75 (114 ref.) (Eng. Abstr.) (Ita)
[Pulmonary heart disease – acute respiratory and cardiac insufficiency in pneumoconiosis(silicosis)] Takatsu T, et al. **Jpn J Clin Med** 34(2):352–64, 10 Feb 76 (Jpn)
[Respiratory disorders in acute cranio–meningeal lesions] Mrówka R. **Wiad Lek** 29(4):301–3, 15 Feb 76 (Pol)
[Syndrome of expiratory stenosis as the cause of acute postoperative respiratory insufficiency] Sviridova SP. **Grudn Khir** (5):97–8, Sep–Oct 75 (Rus)
[Prevention and treatment of respiratory insufficiency in patients with phlegmons of the oral cavity] Molchanova KA, et al. **Khirurgiia (Mosk)** (2):111–4, Feb 76 (Eng. Abstr.) (Rus)
[Respiratory insufficiency in postoperative pneumonia] Aleksandrovskaia EV, et al. **Klin Khir** (3):33–6, Mar 76 (Eng. Abstr.) (Rus)
[Pathogenesis of respiratory insufficiency in influenza] Ketiladze DI, et al. **Sov Med** (11):20–4, Nov 75 (Eng. Abstr.) (Rus)
[Pathogenesis and reversibility of pulmonary insufficiency in patients with bronchial asthma] Smirnov IP, et al. **Ter Arkh** 48(1):93–100, 1976 (Eng. Abstr.) (Rus)
[Pulmonary insufficiency in chronic bronchitis (its pathogenesis and reversibility)] Smirnov IP, et al. **Ter Arkh** 47(3):15–22, 1975 (Eng. Abstr.) (Rus)
[Respiratory disorders in polytraumatized patients. Review of our cases] Cerda E, et al. **Rev Clin Esp** 138(5):421–4, 15 Sep 75 (Eng. Abstr.) (Spa)

METABOLISM

Low plasma ionized calcium and response to calcium therapy in critically ill man. Drop LJ, et al. **Anesthesiology** 43(3):300–6, Sep 75
Correlation between acid–base status, concentrations of lactate and of pyruvate in blood and cerebrospinal fluid in patients treated in an intensive care unit. Wołowicka L, et al. **Resuscitation** 4(1):33–8, 1975
[Role of the acid–base status on the changes of haemoglobin oxygen affinity in arterial hypoxemia (author's transl)] Vanuxem D, et al. **Bull Physiopathol Respir (Nancy)** 11(3):305–14, May–Jun 75 (Eng. Abstr.) (Fre)
[Pulmonary gas exchange in shock lung] Schulz V. **Verh Dtsch Ges Inn Med** 81:463–78, 1975 (Ger)
[Lung metabolism in shock lung] von Wichert P. **Verh Dtsch Ges Inn Med** 81:444–55, 1975 (Ger)

NURSING

Intensive respiratory care: from ICU to home. Ostrow LS. **Am J Nurs** 76(1):111–2, Jan 76

OCCURRENCE

Effect of variation in alpha–1–antritrypsin phenotype upon incidence of respiratory illness in an unselected working population. Cole RB, et al. **Proc R Soc Med** 69(2):132–3, Feb 76
Respiratory disease of workers harvesting grain. Darke CS,

et al. **Thorax** 31(3):294–302, Jun 76

PATHOLOGY

Pulmonary pathology in acute respiratory insufficiency: lung biopsy as a diagnostic tool. Hill JD, et al. **J Thorac Cardiovasc Surg** 71(1):64–71, Jan 76

The correlation of sequential changes in the distribution of pulmonary blood flow in hemorrhagic shock with the histopathologic anatomy. Tiefenbrun J, et al. **Surgery** 78(5):618–27, Nov 75

[Pathology of the shock lung] Mittermayer C. **Verh Dtsch Ges Inn Med** 81:437–43, 1975 **(Ger)**

[Effects of experimental hypoxia induced by changed respiration conditions on the morphological picture of the liver] Dadan H, et al. **Pol Przegl Chir** 48(1):1–4, Jan 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

'Respiratory physiology and physiopathology'. **Acta Anaesthesiol Belg** 23 Suppl:109–18, 1975

Pathophysiology of adult respiratory distress syndrome. Lamy ML, et al. **Acta Anaesthesiol Belg** 23 Suppl:64–77, 1975

Haematologic adaptation in patients with chronic bronchitis and pulmonary insufficiency. Skouby AR. **Acta Med Scand** 199(3):185–90, 1976

Drowning and near-drowning etiology and pathophysiology. Bennett RM. **Am J Nurs** 76(6):919–21, Jun 76

Pathophysiologic considerations in the diagnosis and treatment of post-traumatic pulmonary insufficiency. Bowen JC, et al. **Am J Surg** 130(5):550–4, Nov 75 (45 ref.)

The centrineurogenic etiology of the respiratory distress syndrome: induction by isolated cerebral hypoxemia and prevention by unilateral pulmonary denervation. Moss G, et al. **Am J Surg** 132(3):352–7, Sep 76

Prognosis after recovery from adult respiratory distress syndrome. Lakshminarayan S, et al. **Am Rev Respir Dis** 113(1):7–16, Jan 76

Effect of mechanical ventilation with end-inspiratory pause on blood-gas exchange. Fuleihan SF, et al. **Anesth Analg (Cleve)** 55(1):122–30, Jan–Feb 76

The surface tension of upper airway secretions in patients with and without respiratory disease. Stanley TH, et al. **Anesth Analg (Cleve)** 54(5):602–6, Sep–Oct 75

Editorial: Acute respiratory failure: more questions, fewer answers. Laver MB. **Anesthesiology** 43(6):611–3, Dec 75

Pulmonary artery pressure and lung water during extracorporeal circulation in experimental pulmonary insufficiency. Brandt B, et al. **Ann Thorac Surg** 20(3):308–15, Sep 75

Sleeping ventilatory patterns in patients with severe chronic airflow obstruction causing respiratory failure. Rodriguez-Roisin R, et al. **Br J Dis Chest** (2):138–40, Apr 76

Respiratory impairment including assessment of disability. Budapest, Hungary, June 22–26, 1975. 1. Summary of the conference. Becklake MR. **Bull Physiopathol Respir (Nancy)** 11(6):203P–9P, Nov–Dec 75

II. Assessment of disablement due to impaired respiratory function. Cotes JE. **Bull Physiopathol Respir (Nancy)** 11(6):210P–7P, Nov–Dec 75

Pulmonary resistance and methods of humidification in acute pulmonary failure. Cooke MD, et al. **Can Anaesth Soc J** 23(4):404–7, Jul 76

The renin-angiotensin system in patients with acute respiratory insufficiency. Anderson WH, et al. **Chest** 69(2 Suppl):309–11, Feb 76

The respiratory distress syndrome. Webb WR, et al. **Compr Ther** 1(8):44–50, Dec 75

Compliance and dynamic characteristics curves in acute respiratory failure. Bone RC. **Crit Care Med** 4(4):173–9, Jul–Aug 76

Respiratory failure in surgical patients. Campbell GS. **Curr Probl Surg** 13(2):5–67, Feb 76 (167 ref.)

Circulatory studies in respiratory failure due to acute exacerbations of chronic obstructive airway disease and the effects of breathing 35% oxygen. Hutchison DC, et al. **Indian Heart J** 27(4):260–73, Oct 75

Alterations in renal function during acute respiratory failure. Hall SV, et al. **Int Anesthesiol Clin** 14(1):179–213, Spring 76 (114 ref.)

Hemodynamic alterations with positive end-expiratory pressure: the contribution of the pulmonary vasculature. Hobelmann CF Jr, et al. **J Trauma** 15(11):951–9, Nov 75

Role of protein binding of cytotoxic anions in post-traumatic pulmonary insufficiency. Mays ET, et al. **J Trauma** 16(4):290–8, Apr 76

Letter: Artificial ventilation and pulmonary capillary wedge pressure in acute respiratory failure. Labrousse J, et al. **Lancet** 1(7966):974, 1 May 76

Respiratory failure associated with familial depression of ventilatory response to hypoxia and hypercapnia. Moore GC, et al. **Milbank Mem Fund Q** 295(16):861–5, 14 Oct 76

Respiratory failure associated with familial depression of ventilatory response to hypoxia and hypercapnia. Moore GC, et al. **N Engl J Med** 295(16):861–5, 14 Oct 76

Editorial: Chemical regulation of ventilation: who needs it? Severinghaus JW. **N Engl J Med** 295(16):895–6, 14 Oct 76

Comparative study of the ventilatory responsiveness to CO2 in bronchitic and emphysematous patients with chronic respiratory failure. Weitzenblum E, et al. **Respiration** 33(3):188–98, 1976

[Some characteristics of respiratory insufficiency in bronchial asthma and its dependence on certain ventilation indices] Denchev K, et al. **Vutr Boles** 14(4):53–8, 1975 **(Bul)**

[Hemodynamic impact of alfatesine anesthesia in patients with cardiorespiratory insufficiency] Laxenaire MC, et al. **Anesth Analg (Paris)** 32(3):413–24, May–Jun 75 **(Fre)**

[Exercise function tests in pneumology] Kiger JP, et al. **Poumon Coeur** 30(6):395–401, 1974 (Eng. Abstr.) **(Fre)**

[Electroencephalographic control during anesthesia. Electrobiologic study of the 'hang-over' with a contribution on respiratory insufficiency] Doenicke A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):205–11, Apr–Jun 71 **(Fre)**

[Respiratory insufficiency] Ulmer WT. **Hippokrates** 46(4):515–7, Nov 75 **(Ger)**

[Surface tension (ST) of the lung and shock lung] Benzer H. **Verh Dtsch Ges Inn Med** 81:455–62, 1975 **(Ger)**

[Clinical aspects and therapy of the shock lung] Keller R, et al. **Verh Dtsch Ges Inn Med** 81:478–85, 1975 **(Ger)**

[Disorders of breathing and following gas embolism of the CNS in rats (author's transl)] Smejkal V, et al. **Z Erkr Atmungsorgane** 144(3):259–61, Mar 76 (Eng. Abstr.) **(Ger)**

[Physiological mechanisms in adult repiratory distress syndrome] Perl A, et al. **Harefuah** 89(3):124–7, 1 Aug 75 **(Heb)**

[Respiratory problems in cardiosurgery. Postoperative respiratory insufficiency] Gallucci V, et al. **Arch Chir Torac Cardiovasc** 32(3–4):141–60, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Some problems in weaning from long-term ventilator treatment] Amaha K, et al. **Jpn J Anesthesiol** 24(4):375–80, Apr 75 (Eng. Abstr.) **(Jpn)**

[Editorial: Various aspects of respiratory insufficiency] Nagano J. **Jpn J Thorac Dis** 13(5):261–2, May 75 **(Jpn)**

PREVENTION & CONTROL

Markedly improved pulmonary function after open heart surgery in infancy utilizing surface cooling, profound hypothermia, and circulatory arrest. Barash PG, et al. **Am J Surg** 131(4):499–503, Apr 76

Continuous positive airway pressure in the prophylaxis of the adult respiratory distress syndrome (ARDS). Schmidt GB, et al. **Langenbecks Arch Chir** Suppl:439–42, 1975 (Eng. Abstr.)

Naloxone in the parturient and her infant. Clark RB, et al. **South Med J** 69(5):570–5, May 76

Continuous positive airway pressure in the prophylaxis of the adult respiratory distress syndrome. Schmidt GB, et al. **Surg Gynecol Obstet** 143(4):613–8, Oct 76

[Round table discussion. Prevention and therapy of the shock lung] **Verh Dtsch Ges Inn Med** 81:486–7, 1975 **(Ger)**

[Possibilities of the use of salbutamol in anesthesia and resuscitation] Fantera A. **Minerva Med** 67(16):1033–5, 31 Mar 76 **(Ita)**

[The role of activation of the neuromuscular apparatus in decurarization] Iarosh SI. **Fiziol Zh** 21(3):403–4, May–Jun 75 **(Ukr)**

RADIOGRAPHY

[Radiological lung changes in progressive pulmonary insufficiency (author's transl)] Thelen M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):110–9, Feb 76 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Rehabilitation of pulmonary patients: Final synthesis] Brasseur LP. **Acta Tuberc Pneumol Belg** 66(3):304–8, May–Jun 75 **(Fre, Dut)**

[Practical possibilities of readaptation and occupational rehabilitation for the persons suffering from breathlessness. Long-term results (author's transl)] Casula D, et al. **Acta Tuberc Pneumol Belg** 66(3):222–44, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Reeducation of the patient with chronic respiratory insufficiency] Guerrin F, et al. **Lille Med** 20 spec no:278–87, 1975 **(Fre)**

[Symposium on chronic respiratory failure. (6) Rehabilitation of chronic respiratory failure (author's transl)] Tanimoto H, et al. **J Jpn Soc Intern Med** 64(11):1241–5, 10 Nov 75 **(Jpn)**

SURGERY

Surgical respiratory distress in infancy and childhood. Grosfeld JL, et al. **Curr Probl Pediatr** 6(7):3–64, May 76

Partial bypass with membrane lungs for acute respiratory failure. Zapol WM, et al. **Int Anesthesiol Clin** 14(1):119–33, Spring 76

A new functional approach to the surgical management of Pierre Robin syndrome: experimental and clinical report. Lapidot A, et al. **Laryngoscope** 86(7):979–83, Jul 76

[Experimental basis for the treatment of acute respiratory insufficiency by the extracorporeal inclusion of homologous lungs] Kliachkovskaia RTs, et al. **Eksp Khir Anesteziol** (1):69–71, 1976 (Eng. Abstr.) **(Rus)**

THERAPY

Letter: Value of capillary blood gas analysis in the management of acute respiratory distress. Hofford JM, et al. **Am Rev Respir Dis** 113(5):707–8, May 76

Follow-up respiratory function of a patient treated with a membrane lung. Newball HH, et al. **Am Rev Respir Dis** 112(5):725–31, Nov 75

Bilateral tube thoracostomy to preclude fatal tension pneumothorax in patients with acute respiratory insufficiency. Hayes DF, et al. **Am Surg** 42(5):330–1, May 76

Chest physiotherapy during mechanical ventilation. Brock-Utne JG, et al. **Anaesth Intensive Care** 3(3):234–6, Aug 75

The Guillain-Barré syndrome in intensive care. McCleave DJ, et al. **Anaesth Intensive Care** 4(1):46–52, Feb 76

Acute post-traumatic respiratory failure treated with prolonged controlled ventilation and complicated with spontaneously healing tracheo-oesophageal fistula. Saladajczyk G, et al. **Anaesth Resusc Intensive Ther** 3(4):361–3, Oct–Dec 75

Factors influencing choice between tracheostomy and prolonged translaryngeal intubation in acute respiratory failure: a prospective study. El-Naggar M, et al. **Anesth Analg (Cleve)** 55(2):195–201, Mar–Apr 76

Case history number 91: sustained high inspired PO2 without toxic sequelae. Gibbs PS, et al. **Anesth Analg (Cleve)** 55(4):588–91, Jul–Aug 76

Shunt, lung volume and perfusion during short periods of ventilation with oxygen. Suter PM, et al. **Anesthesiology** 43(6):617–27, Dec 75

Clinical effects of membrane lung support for acute respiratory failure. Geelhoed GW, et al. **Ann Thorac Surg** 20(2):177–87, Aug 75

Control of respiratory therapy in flail chest. Lewis FL Jr, et al. **Ann Thorac Surg** 20(2):170–6, Aug 75

Editorial: Extracorporeal oxygenation for acute respiratory failure. **Br Med J** 3(5979):340, 9 Aug 75

Continuous positive airway pressure without tracheal intubation in spontaneously breathing patients. Greenbaum DM, et al. **Chest** 69(5):615–20, May 76

Reduced inspiratory effort during intermittent mandatory ventilation•with PEEP. Brach BB, et al. **Crit Care Med** 4(3):142–3, May–Jun 76

A safe multipurpose pediatric ventilation bag. Breivik H. **Crit Care Med** 4(1):32–9, Jan–Feb 76

Use of extreme position changes in acute respiratory failure. Piehl MA, et al. **Crit Care Med** 4(1):13–4, Jan–Feb 76

Prolonged nasotracheal intubation in children—experiences in Lagos, Nigeria. Oyegunle AO. **East Afr Med J** 52(11):631–9, Nov 75

Intermittent positive pressure ventilation in a regional hospital intensive therapy unit: a review of 104 patients. Searle JF. **Guys Hosp Rep** 120(3):197–205, 1971

Clinical judgment in the respiratory intensive-care unit. Hughes R. **Heart Lung** 5(1):146, Jan–Feb 76

Extracorporeal membrane oxygenation in the treatment of acute respiratory failure. pp. 525–8. Dietrich HP, et al.

In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Heart-lung resuscitators. pp. 267–8. Boaz RR, et al.

In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Current standards in cardiopulmonary resuscitation. pp. 19–25. Jude JR.

In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

A review of basics in cardiopulmonary resuscitation. pp. 131–6. Hirschman JC.

In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Respiratory failure and albumin. pp. 164–7. Bushnell LS.

In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Acute respiratory failure in intensive care unit. pp. 105–6. Mattar JA, et al.

In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

The uses of constant negative pressure in the management of respiratory failure in the newborn. pp. 327–44. Stern L, et al.

In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

Treatment of respiratory failure. pp. 180–8. Evans CC, et al.

In: Walker WF, Taylor DE, ed. Intensive care. Edinburgh, Churchill Livingstone, 1975. W3 PF268 1973i.

Weaning from respiratory support. McNabb TG, et al. **Int Anesthesiol Clin** 14(1):214–39, Spring 76 (60 ref.)

The acute care of respiratory problems in the neonate, infant, and child. Wolfsdorf J. **Int Anesthesiol Clin** 13(3):73–131, Fall 75

The role of the pulmonary physiologist in managing intractable asthma and respiratory failure. Crocco JA. **J Asthma Res** 13(1):3–6, Sep 75

Pharmacotherapy of cardiopulmonary arrest. Greenblatt DJ, et al. **J Maine Med Assoc** 67(6):166–70, Jun 76

Status of intenstive respiratory care for acute respiratory insufficiency. Peirce EC 2d. **J Maine Med Assoc** 67(4):87–90, 96, Apr 76

Optimum levels of CPAP for tracheal extubation of newborn infants. Berman LS, et al. **J Pediatr** 89(1):109–12, Jul 76

Positive airway pressure in lambs spontaneously breathing

air and oxygen. Liland AE, et al. **J Surg Res** 20(2):85–92, Feb 76

Combination of membrane oxygenator support and pulmonary lavage for acute respiratory failure. Cooper JD, et al. **J Thorac Cardiovasc Surg** 71(2):304–8, Feb 76

Cardiorespiratory failure secondary to peripheral pulmonary emboli. Survival following a combination of prolonged extracorporeal membrane oxygenator support and pulmonary embolectomy. Cooper JD, et al. **J Thorac Cardiovasc Surg** 71(6):872–7, Jun 76

Platelets, hemostasis, and thromboembolism during treatment of acute respiratory insufficiency with extracorporeal membrane oxygenation. Heiden D, et al. **J Thorac Cardiovasc Surg** 70(4):644–55, Oct 75

Cannulation of the proximal aorta during long-term membrane lung perfusion. McEnany MT, et al. **J Thorac Cardiovasc Surg** 70(4):631–43, Oct 75

Respiratory failure in neuromuscular disease. Management in a respiratory intensive care unit. O'Donohue WJ Jr, et al. **JAMA** 235(7):733–5, 16 Feb 76

Weaning from mechanical ventilation. Sahn SA, et al. **JAMA** 235(20):2208–12, 17 May 76

Positive end-expiratory pressure (PEEP) ventilation. A review of mechanisms and actions. Wayne KS. **JAMA** 236(12):1394–6, 20 Sep 76

Positive end-expiratory pressure in weaning patients from controlled ventilation. A prospective randomised trial. Feeley TW, et al. **Lancet** 2(7938):725–9, 18 Oct 75

Tracheostomy in infants and young children. Hawkins DB, et al. **Laryngoscope** 86(3):331–40, Mar 76

Changes in the hemodynamic, ventilatory and respiratory parameters following saline, isoproterenol and racemic epinephrine aerosol therapy in patients on IPPV. El-Naggar M, et al. **Mid East J Anaesthesiol** 4(2):125–39, Jun 74

Letter: IPPB brouchaha. Fleming D. **Mod Health Care** 6(1):8, Jul 76

Cardiopulmonary resuscitation (CPR) as treatment of cardiac arrest. McRae JT. **NC Med J** 37(5):249, May 76

The Nebraska survey of respiratory therapy. Lim TP. **Nebr Med J** 61(4):115–9, Apr 76

Encephalopathy following treatment of chronic pulmonary failure. Faden A. **Neurology (Minneap)** 26(4):337–9, Apr 76

Tracheostomy. Bevan DR. **Nurs Times** 71(35):1371–3, 28 Aug 75

First aid–2. Cardiac and respiratory arrest. Bradley D. **Nurs Times** 71(35):1367–70, 28 Aug 75

Transcutaneous PO2 monitoring in routine management of infants and children with cardiorespiratory problems. Huch R, et al. **Pediatrics** 57(5):681–90, May 76

Oscilloscopic monitoring to determine endotracheal tube position. Nelson MA, et al. **Pediatrics** 56(5):824–6, Nov 75

Managing respiratory distress syndrome in adults. Tomashefski JF, et al. **Postgrad Med** 59(3):77–82, Mar 76

Successful treatment of acute respiratory distress syndrome with prolonged continuous positive-pressure ventilation. Roncoroni AJ, et al. **Resuscitation** 4(4):249–53, 1975

Prognosis of post-neonatal respiratory distress syndrome (RDS) treated with positive end-expiratory pressure ventilation (PEEP). van Haeringen JR, et al. **Scand J Respir Dis** 56(4):185–94, 1975

Aggressive treatment of acute respiratory insufficiency. Civetta JM, et al. **South Med J** 69(6):749–51, Jun 76

Ten years of use of extracorporeal membrane oxygenation (ECMO) in the treatment of acute respiratory insufficiency (ARI). Gille JP, et al. **Trans Am Soc Artif Intern Organs** 22:102–9, 1976

Pulmonary management of the urologic patient. Feeley TW, et al. **Urol Clin North Am** 3(2):239–54, Jun 76

Inhalation injury in burn patients. **West J Med** 124(3):244–8, Mar 76

[Rational therapy in the intensive care unit (author's transl)] Gjurašin M, et al. **Lijec Vjesn** 98(2):113–21, Mar 76 (Eng. Abstr.) **(Cro)**

[Experiences in the treatment of patients with global respiratory insufficiency in a differential care unit (preliminary report)] Dolenský J, et al. **Vnitr Lek** 22(7):632–8, Jul 76 (Eng. Abstr.) **(Cze)**

[Respiratory failure—diagnosis and treatment] Nikki P, et al. **Duodecim** 92(13):750–8, 1976 **(Fin)**

[Anesthesia and resuscitation of a thoracic-injured patient just arriving at the hospital] Fogliani J, et al. **Ann Anesthesiol Fr** 16(6):1L–6L, Oct 75 **(Fre)**

[Indications and limitations of mechanical ventilation by the iron lung] Galassi A, et al. **Bronches** 25(3):205–7, May–Jun 75 **(Fre)**

[Ultrastructural study of pulmonary lesions caused by a membrane oxygenator. Comparison with a similar case, which had not received the same treatment] Pariente R, et al. **Nouv Presse Med** 4(41):2919–22, 29 Nov 75 **(Fre)**

[Intensive treatment of acute generalized tetanus in adults. I. Respiratory resuscitation] Vic-Dupont V, et al. **Nouv Presse Med** 5(1):31–4, 3 Jan 76 **(Fre)**

[Attempt at 'conservative medical treatment' in the decompensations of chronic respiratory insufficiencies] Lalevée G, et al. **Poumon Coeur** 32(3):137–41, 1976 (Eng. Abstr.) **(Fre)**

[Positive end-expiratory pressure (PEEP) with controlled, assisted and spontaneous ventilation in case of acute respiratory insufficiency] Senno A, et al. **Poumon Coeur** 31(1):5–9, 1975 (Eng. Abstr.) **(Fre)**

[Value of EEG during resuscitation in chronic pulmonary with acute decompensation] Sadoul P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):203–4, Apr–Jun 71 **(Fre)**

[Treatment of restrictive respiratory insufficiency] Canh VN, et al. **Sem Hop Ther** 51(4):253–6, Apr 75 **(Fre)**

[Controled respiration and assisted spontaneous respiration. Indication, technic, monitoring] Brinke G, et al. **Anaesthesiol Intensivmed Prax** 11(1):115–26, Oct 75 **(Ger)**

[Letter: Reply to Dr. Paul Zalud's letter] Benzer H. **Anaesthesist** 25(7):352–4, Jul 76 **(Ger)**

[The treatment of respiratory failure in severe chest injury (author's transl)] Fasol P, et al. **Anaesthesist** 24(8):367–71, Aug 75 (Eng. Abstr.) **(Ger)**

[Letter: Comment on the communication by P. Fasol et al: 'Therapy of Respiratory Disorders in Severe Thoracic Injury'] Zalud P. **Anaesthesist** 25(7):351, Jul 76 **(Ger)**

[Letter: Oxygen therapy in respiratory insufficiency] Geisler LS. **Dtsch Med Wochenschr** 100(36):1814, 5 Sep 75 **(Ger)**

[Therapy of respiratory disorder in severe thoracic injury] Fasol P, et al. **Hefte Unfallheilkd** (121):214–7, 1975 **(Ger)**

[Respiratory insufficiency, colloidal-osmotic pressure and albumin therapy] Lundsgaard-Hansen P, et al. **Infusionstherapie** 1(8):624–32, Dec 74 (Eng. Abstr.) **(Ger)**

[Treatment of respiratory insufficiency using oxygen] Nolte D. **Med Monatsschr** 30(4):156–9, Apr 76 **(Ger)**

[Natural and mechanical respiration therapy for chronic respiratory insufficiency (author's transl)] Stresemann E. **Munch Med Wochenschr** 118(3):73–8, 16 Jan 76 (Eng. Abstr.) **(Ger)**

[Treatment of acute respiratory insufficiency after hypnotics poisoning] Thoma R, et al. **Prax Pneumol** 3(2):81–8, Feb 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Home treatment of chronic respiratory insufficiency: inhalation of beta stimulators] Messerli C. **Schweiz Med Wochenschr** 105(28–29):905–7, 12 Jul 75 (Eng. Abstr.) **(Ger)**

[Proceedings: The cooperation of welfare institutions] Mordasini ER. **Schweiz Med Wochenschr** 105(28–29):917–9, 12 Jul 75 (Eng. Abstr.) **(Ger)**

[The effect of combined respiration physiological measures on pulmonary gas exchange and ventilation] Perruchoud A, et al. **Schweiz Med Wochenschr** 105(49):1659–61, 6 Dec 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Home care in chronic respiratory insufficiency. Indications for the prescription of a home respirator, its various types and possibilities for use] Scherrer M. **Schweiz Med Wochenschr** 105(28–29):894–8, 12 Jul 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Home treatment of chronic respiratory insufficiency: criteria of disability] Scherrer M. **Schweiz Med Wochenschr** 105(28–29):919–23, 12 Jul 75 (Eng. Abstr.) **(Ger)**

[A system of PaO2-regulated oxygen supply in patients with shock lung] Kunke S, et al. **Verh Dtsch Ges Inn Med** 81:493–6, 1975 **(Ger)**

[Results of an ambulatory long-term therapy in patients with global respiratory insufficiency due to the obstructive syndrome] Schönen J, et al. **Verh Dtsch Ges Inn Med** 81:496–9, 1975 **(Ger)**

[Significance of blood gas analysis in intensive care] Jeretin S. **Wien Med Wochenschr** Suppl 28:10–3, 1975 **(Ger)**

[Acute respiratory insufficiency and its treatment] Wiesner B, et al. **Z Aerztl Fortbild (Jena)** 69(8):396–9, 15 Apr 75 **(Ger)**

[Positive end-expiratory pressure ventilation in the adult respiratory distress syndrome] Perel A, et al. **Harefuah** 90(3):105–9, 1 Feb 76 (Eng. Abstr.) **(Heb)**

[Graduated intravenous and subcutaneous oxygen therapy] Ravara A, et al. **Boll Soc Ital Biol Sper** 51(4):210–3, 28 Feb 75 **(Ita)**

[Therapy of respiratory insufficiency] Cornia G, et al. **Minerva Med** 66(64):3315–21, 29 Sep 75 (Eng. Abstr.) **(Ita)**

[Treatment of acute hypercapnic respiratory insufficiency in chronic obstructive bronchopneumopathy. New trends in controlled oxygen therapy] Conti F, et al. **Recent Prog Med (Roma)** 58(6):709–18, Jun 75 (36 ref.) (Eng. Abstr.) **(Ita)**

[Clinical application of assisted circulation in acute heart and respiratory insufficiency] Shomura T, et al. **J Jpn Assoc Thorac Surg** 23(11):1360–5, Nov 75 (Eng. Abstr.) **(Jpn)**

[Symposium on chronic respiratory failure. (5) Controlled O2-therapy of chronic respiratory failure patients with chronic obstructive lung disease (author's transl)] Ohsaki Y, et al. **J Jpn Soc Intern Med** 64(11):1236–40, 10 Nov 75 **(Jpn)**

[Successful use of continuous positive pressure ventilation (CPPV) in a case of respiratory insufficiency] Shimada H, et al. **Jpn J Anesthesiol** 24(10):1027–31, Oct 75 (Eng. Abstr.) **(Jpn)**

[Complications in external cardiorespiratory resuscitation] Lane JC. **Rev Assoc Med Bras** 22(2):53–4, Feb 76 (Eng. Abstr.) **(Por)**

[Method of spontaneous breathing with positive airway pressure (literature survey)] Aleksi-Meskhishvili VV, et al. **Eksp Khir Anesteziol** (2):57–60, Mar–Apr 75 (25 ref.) (Eng. Abstr.) **(Rus)**

[Treatment of acute respiratory insufficiency in cardiac surgery] Korolev BA, et al. **Kardiologiia** 16(1):16–21, Jan 76 (Eng. Abstr.) **(Rus)**

[Correction by peridural block of certain disorders of external respiration and hemodynamics after urologic operations] Borisova-Khromenko VM, et al. **Urol Nefrol (Mosk)** (3):24–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Clinical and experimental grounds for the method of spontaneous respiration with difficult exhalation (lung inflation) in children] Isakov IuF, et al. **Vestn Khir** 116(2):107–13, Feb 76 (Eng. Abstr.) **(Rus)**

[Treatment of acute cardiac and pulmonary insufficiency by means of hyperbaric oxygenation] Bikhalovskiĭ IN, et al. **Voen Med Zh** (7):62–4, Jul 75 **(Rus)**

[Intensive treatment and resuscitation in pediatric otorhinolaryngology] Sergienko PV, et al. **Zh Ushn Nos Gorl Bolezn** (2):103–5, Mar–Apr 75 **(Rus)**

[Therapeutic problems in pneumonopathies with general respiratory insuffiency (author transl)] Herrmann H, et al. **Bratisl Lek Listy** 64(3):322–7, Sep 75 (Eng. Abstr.) **(Slo)**

[Therapeutic problems in pneumonopathies with general respiratory insufficiency (author's transl)] Herrmann H, et al. **Bratisl Lek Listy** 64(3):321–7, Sep 75 (Eng. Abstr.) **(Slo)**

[Intermittent mandatory ventilation (author's transl)] Manzano JJ, et al. **An Esp Pediatr** 9(2):150–7, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Continuous positive pressure in the treatment of acute respiratory disorder in the adult] Raimondi GA, et al. **Medicina (B Aires)** 36(2):71–82, 1976 (Eng. Abstr.) **(Spa)**

VETERINARY

Laryngeal foreign body as a cause of acute respiratory distress in lizards. Anderson MP. **Vet Med Small Anim Clin** 71(7):940, Jul 76

Letter: Acute respiratory distress in dogs. Boyd H. **Vet Rec** 97(21):417, 22 Nov 75

Acute respiratory distress in cattle. Breeze RG, et al. **Vet Rec** 97(12):226–9, 20 Sep 75

Acute respiratory distress in dogs. Darke PG, et al. **Vet Rec** 97(19):370, 8 Nov 75

Letter: Immobilon/Revivon in the bull. Rafferty GC. **Vet Rec** 98(1):18, 3 Jan 76

RESPIRATORY PARALYSIS

CHEMICALLY INDUCED

An unusual complication of lumbosacral plexus block: a case report. Muravchick S, et al. **Anesth Analg (Cleve)** 55(3):350–2, May–Jun 76

Respiratory paralysis during treatment of hypertension with trimethaphan camsylate. Dale RC, et al. **Arch Intern Med** 136(7):816–8, Jul 76

[A rare complication of stellate ganglion block—high spinal anesthesia caused by inadvertent subarachnoid injection] Ono H, et al. **Jpn J Anesthesiol** 24(4):386–90, Apr 75 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Letter: Paralysis of the diaphragm. Light JS. **Am J Dis Child** 130(5):565–6, May 76

ETIOLOGY

Paralysis of the diaphragm. Greene W, et al. **Am J Dis Child** 129(12):1402–5, Dec 75

Syndrome of depressed vital functions in the immediate post-operative period of surgical patients: some aspects of its pathogenesis. Rao LN, et al. **Eur J Intensive Care Med** 2(1):41–3, 1976

[Favorable course of a bilateral postoperative diaphragmatic paralysis] Krivosic-Horber R, et al. **Anesth Analg (Paris)** 32(5):827–35, Sep–Oct 75 **(Fre)**

[2 cases of transitory phrenic paralysis in patients with head injuries] Roquefeuil B, et al. **Ann Anesthesiol Fr** 15(1):71–7, 1974 (Eng. Abstr.) **(Fre)**

[Resuscitation in extensive polyradiculoneuritis with respiratory disorders] Sandu L, et al. **Rev Med Intern [Neurol Psihiatr]** 19(5):417–20, Oct–Dec 74 **(Rum)**

PATHOLOGY

The neuropathology of respiratory disorders of the premature and mature neonate. Schneider H, et al. **Neuropatol Pol** 13(3–4):305–10, Jul–Dec 75

THERAPY

Artificial hyperventilation during 21 years in three cases of complete respiratory paralysis. Christensen MS, et al. **Acta Med Scand** 198(5):409–13, Nov 75

Long-term ventilatory support by diaphragm pacing in quadriplegia. Glenn WW, et al. **Ann Surg** 183(5):566–77, May 76

Nonoperative management of post thoracotomy diaphragmatic paralysis in two neonates. Ahmed S, et al. **Aust Paediatr J** 11(2):81–3, Jun 75

Phrenic nerve conduction studies in patients with diaphragm pacing. Shaw RK, et al. **Surg Forum** 26:195–7, 1975

[Successful respiratory care during emergency in a case of Landry's paralysis in a child] Sekigawa T, et al. **Jpn J Anesthesiol** 24(12):1297–302, Nov 75 (Eng. Abstr.) **(Jpn)**

[Artificial pulmonary ventilation in diaphragmatic paralysis]

Sergeeva TI, et al. **Biull Eksp Biol Med** 81(6):650–1, Jun 76 (Eng. Abstr.) **(Rus)**

RESPIRATORY PROTECTIVE DEVICES see under **PROTECTIVE DEVICES**

RESPIRATORY SYNCYTIAL VIRUS

The pathogenesis of respiratory syncytial virus infection in infant ferrets. Prince GA, et al. **Am J Pathol** 82(2):339–52, Feb 76

Sero-epidemiological survey of respiratory syncytial virus infection in Pondicherry area--South India. Madhavan HN, et al. **Indian J Med Res** 62(12):1804–7, Dec 74

Cytopathological and cytochemical studies on respiratory viruses in tissue cultured cells. IV. Infection with mumps and respiratory syncytial virus. Dey TK. **Indian J Pathol Microbiol** 18(3):191–2, Jul 75

Stability of respiratory syncytial virus in a new bentonite holding medium. Klein JD, et al. **J Clin Microbiol** 1(6):534–5, Jun 75

Respiratory syncytial virus infections in infants: quantitation and duration of shedding. Hall CB, et al. **J Pediatr** 89(1):11–5, Jul 76

Respiratory syncytial virus and heart disease. A report of two cases. Giles TD, et al. **JAMA** 236(10):1128–30, 6 Sep 76

Nosocomial respiratory syncytial virus infections. Hall CB, et al. **N Engl J Med** 293(26):1343–6, 25 Dec 75

Respiratory syncytial virus infections within families. Hall CB, et al. **N Engl J Med** 294(8):414–9, 19 Feb 76

Diagnosis of bovine respiratory syncytial virus infection by complement fixation test. Takahasi E, et al. **Natl Inst Anim Health Q (Tokyo)** 15(4):179–85, Winter 75

Respiratory syncytial virus infections. Gardner PS. **Postgrad Med J** 49(577):788–91, Nov 73

Biophysical characteristics of respiratory syncytial virus. Zhdanov VM, et al. **Rev Roum Virol** 25(3):277–80, 1974

[Serological studies of the role of the respiratory syncytial virus in acute respiratory diseases in children] Vancea D, et al. **Rev Ig [Bacteriol]** 20(3):187–91, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

[Respiratory syncytial virus infection in adults] Ketiladze ES, et al. **Klin Med (Mosk)** 52(2):57–62, Feb 74 (Eng. Abstr.) **(Rus)**

[Acute pneumonia in influenza and other respiratory viral diseases] Ketiladze ES. **Ter Arkh** 47(8):39–49, 1975 (Eng. Abstr.) **(Rus)**

[Formation and action of interferon in experimental respiratory syncytial infection] Grodnitskaia NA, et al. **Vopr Virusol** (3):305–9, May-Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

RS virus components. I. Isolation and purification. Wilczyński J. **Acta Microbiol Pol** 25(2):133–8, 1976

Respiratory syncytial virus proteins. Wunner WH, et al. **Virology** 73(1):228–43, Aug 76

DRUG EFFECTS

Effect of acetone fixation on infectivity and antigenicity of respiratory syncytial virus and adenovirus in the fluorescent antibody test. Bardell D. **J Clin Microbiol** 1(2):157–60, Feb 75

GROWTH & DEVELOPMENT

Growth and genetic stability of the ts-1 mutant of respiratory syncytial virus at restrictive temperatures. Schnitzer TJ, et al. **J Virol** 17(2):431–8, Feb 76

Persistent infection of cells in culture by respiratory syncytial virus. Baldridge P, et al. **Proc Soc Exp Biol Med** 151(4):684–8, Apr 76

Effect of 2-deoxy-D-glucose and glucosamine on the growth and functions of respiratory syncytial and parainfluenza 3 viruses. Schnitzer TJ, et al. **Virology** 67(1):306–9, Sep 75

Effect of 2-deoxy-D-glucose and glucosamine on the growth and functions of respiratory syncytial and parainfluenza 3 viruses. Schnitzer TJ, et al. **Virology** 67(1):306–9, Sep 75

IMMUNOLOGY

RS virus components. II. Antigenicity. Wilczyński J. **Acta Microbiol Pol** 25(2):139–43, 1976

Breast-feeding protects against respiratory syncytial virus infections. Downham MA, et al. **Br Med J** 2(6030):274–6, 31 Jul 76

Serological survey for antibodies to respiratory viruses in acute respiratory illnesses in infants and children in Chandigarh, northern India. Agarwal SC, et al. **Indian J Pathol Microbiol** 18(3):132–7, Jul 75

Survey of adenovirus and respiratory syncytial virus antibodies in Pondicherry area—south India. Madhavan HN, et al. **Indian J Pathol Microbiol** 18(3):193–9, Jul 75

A serological survey of antibodies to selected respiratory viruses of Taiwan. Lee GC, et al. **J Formosan Med Assoc** 74(8):541–7, Aug 75

Evaluation of a live, attenuated respiratory syncytial virus vaccine in infants. Wright PF, et al. **J Pediatr** 88(6):931–6, Jun 76

Cell-mediated immunity to respiratory syncytial virus induced by inactivated vaccine or by infection. Kim HW, et al. **Pediatr Res** 10(1):75–8, Jan 76

[Methods of obtaining standard diagnostic sera to respiratory syncytial virus] Astakhova LN, et al. **Lab Delo** (12):730–2, 1975 **(Rus)**

ISOLATION & PURIFICATION

Respiratory syncytial virus and influenza. Practical community surveillance. Hall CB, et al. **Am J Dis Child** 130(6):615–20, Jun 76

Isolation of viruses and mycoplasmas from middle ear effusions: a review. Klein JO, et al. **Ann Otol Rhinol Laryngol** 85(2 Suppl 25 Pt 2):140–4, Mar-Apr 76

Quantitative shedding patterns of respiratory syncytial virus in infants. Hall CB, et al. **J Infect Dis** 132(2):151–6, Aug 75

[Viremia in respiratory syncytial virus infection] Iankevich OD, et al. **Vopr Virusol** (4):455–8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the RS-viruses isolated in Kharkov during a period of a rise in the incidence of acute respiratory infections (1974–1975)] Teslenko-Ponomarenko EF, et al. **Mikrobiol Zh** 38(3):334–7, 1976 (Eng. Abstr.) **(Ukr)**

RESPIRATORY SYSTEM

Of smoking and the respiratory tract. Burch GE. **Am Heart J** 91(3):401–2, Mar 76

Historical aspects of foreign bodies in the air and food passages. Clerf LH. **South Med J** 68(11):1449–54, Nov 75

[Current prognosis for foreign bodies in the respiratory and digestive tracts? Report of 840 cases collected over a 5-year period (1969–1974)] Sabeti H, et al. **Ann Otolaryngol Chir Cervicofac** 92(6):315–7, Jun 75 (Eng. Abstr.) **(Fre)**

[Comparative studies of the distribution of smoke aerosol in the respiratory tract of experimental animals] Dontenwill W, et al. **Z Versuchstierkd** 18(4):202–6, 1976 **(Ger)**

[Airway mechanics and the vagus nerve] Fukuhara T. **Respir Circ (Tokyo)** 24(1):43–54, Jan 76 **(Jpn)**

[Foreign bodies in the lower air passages in children: report of 470 cases] Thomé R, et al. **Rev Paul Med** 85(3–4):66–8, Mar-Apr 75 **(Por)**

[Foreign bodies in respiratory pathways of small children] Grozdanov G, et al. **God Zb Med Fak Skopje** 17:415–27, 1971 **(Ser)**

ABNORMALITIES

Congenital respiratory tract defects in lambs. Dennis SM. **Aust Vet J** 51(7):347–50, Jul 75

[Embryological hesitations giving respiratory and (or) digestive troubles in children (author's transl)] Moyson F. **Acta Paediatr Belg** 28(5–6):265–314, 1974 (Eng. Abstr.) **(Fre)**

ANALYSIS

Comparison of four different methods for the recovery of dotriacontane-16,17-14C from small animal respiratory tissue. Kmoch N, et al. **Nucl Med (Stuttg)** 14(2):185–91, 30 June 75

The composition of connective tissue macromolecules from bovine respiratory system. Seethanathan P, et al. **Respir Physiol** 24(3):347–54, Sep 75

ANATOMY & HISTOLOGY

electron Jeffery PK, et al. **J Anat** 120(2):295–320, Nov 75

A gross and microscopic study of the respiratory anatomy of the Antarctic Weddell seal, Leptonychotes weddelli. Boyd RB. **J Morphol** 147(3):309–36, Nov 75

Anatomical drawing-5. Respiratory organs, the ear. Joannides SC. **Nurs Times** 71(44):1742–3, 30 Oct 75

Cartilage in the pulmonary interstitium of chickens. Kaliner G. **Zentralbl Veterinaermed [C]** 5(2):179–81, Jun 76

[Structure of the upper airways of the white rat (Mus rattus norvegicus, var. albinos)] Liebich HG. **Anat Anz** 138(3):170–9, 1975 **(Ger)**

CYTOLOGY

Ultrastructure of respiratory epithelium in the terrestrial isopod Porcellio scaber Latr. (Crustacea). Babula A, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):7–8, 1976

DRUG EFFECTS

Airway responses to methacholine in allergic and nonallergic subjects. Fish JE, et al. **Am Rev Respir Dis** 113(5):579–86, May 76

Effects of salbutamol and propranolol on closing volume in extrinsic bronchial asthma. Patel KR, et al. **Indian J Chest Dis** 18(1):1–12, Jan 76

Effects of aerial ammonia, hydrogen sulfide and swine-house dust on rate of gain and respiratory-tract structure in swine. Curtis SE, et al. **J Anim Sci** 41(3):735–9, Sep 75

Carcinogen and smoke induced early alterations in the Syrian golden hamster respiratory epithelium as revealed by electron microscopy. Mohr U, et al. **Osterr Z Onkol** 2(2–3):68–72, 1975 (Eng. Abstr.)

A toxicity study with beclomethasone dipropionate in the dog with particular reference to the respiratory tract. Poynter D, et al. **Postgrad Med J** 51 Suppl 4:27–9, 1975

[Effect of lactated ringer solution with 2 percent gelatin on the circulatory and respiratory systems] Tanaka R, et al. **Jpn J Anesthesiol** 24(9):873–9, Sep 75 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Biological characteristics of cell lines derived from the respiratory tract of a bovine foetus. Machatková M, et al. **Folia Biol (Praha)** 21(2):117–21, 1975

IMMUNOLOGY

Newcastle disease virus pathogenesis in the respiratory tract of local or systemic immunized chickens. Levy R, et al. **Avian Dis** 19(4):700–6, Oct-Dec 75

Air pollution, host immune defenses, and asthma; a review. pp 147–63. Green GM. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Studies on the respiratory and systemic cell-mediated immunity. Development of local and systemic cell-mediated immunity in guinea pigs given killed BCG intratracheally or parenterally. Aizawa Y. **Keio J Med** 24(2):91–101, Apr 75

Clinical aspects of protective immunity of the respiratory tract. Turner-Warwick M. **Thorax** 30(6):601–11, Dec 75

The respiratory tract immune system in the pig. I. Distribution of immunoglobulin-containing cells in the respiratory tract mucosa. Bradley PA, et al. **Vet Pathol** 13(2):81–9, 1976

The respiratory tract immune system in the pig. II. associated lymphoid tissues. Bradley PA, et al. **Vet Pathol** 13(2):90–7, 1976

[Relationships of seric IgA and s.IgA of bronchial secretions with respiratory pathophysiology (author's transl)] Michel FB, et al. **Bull Physiopathol Respir (Nancy)** 11(6):879–919, Nov-Dec 75 (173 ref.) **(Fre)**

[Pathogenesis and therapeutic principles of immunologic reaction in the respiratory system] Mosonyi L. **Allerg Immunol (Leipz)** 20–21(3):275–80, 1974–75 (15 ref.) **(Ger)**

[Problems of the local immunization of the mucosa of the upper and lower airways] pp. 143–7. Raetig H, et al. **In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973.** **(Ger)**

INJURIES

[Differentiation of respiratory function disorders] Hüttemann U. **Hefte Unfallheilkd** (121):286–9, 1975 **(Ger)**

INNERVATION

Proceedings: Localization and properties of receptors in the tracheo-bronchial tree. Sant'Ambrogio G, et al. **Bull Physiopathol Respir (Nancy)** 11(2):87P–88P, Mar-Apr 75

Reflex control of airways smooth muscle. Widdicombe JG. **Postgrad Med J** 51(7 SUPPL):36–44, 1975

Modes of excitation of respiratory tract receptors. Widdicombe JG. **Prog Brain Res** 43:243–52, 1976

METABOLISM

Detection of aerosols in the respiratory tract. Muacevic G, et al. **Beitr Pathol** 156(2):117–21, Nov 75

Metabolism of (3H)benzo(a)pyrene by different portions of the respiratory tract. Cohen GM, et al. **Biochem Pharmacol** 25(14):1623–9, 15 Jul 76

Absorption of cumene through the respiratory tract and excretion of dimethylphenylcarbinol in urine. Sencżuk W, et al. **Br J Ind Med** 33(2):100–5, May 76

Studies on the deposition of inhaled fibrous material in the respiratory tract of the rat and its subsequent clearance using radioactive tracer techniques. Morgan A, et al. **Environ Res** 10(2):196–207, Oct 75

Histochemical study of the respiratory organs of amphibians and reptiles. Pohunková H. **Folia Morphol (Praha)** 23(2):109–15, 1975

The antiproteolytic system of the upper respiratory tract. pp. 101–5. Hochstrasser K, et al. **In: Junod AF, de Haller R, ed. Lung metabolism. New York, Academic Press, 1975. W3 DA 266 1974L.**

Tagging of iron oxide particles with 99mTc for use in the study of deposition and clearance of inhaled particles. Hass FJ, et al. **J Nucl Med** 17(02):122–5, Feb 76

Respiratory retention of inhaled toluene and benzene in the dog. Egle JL Jr, et al. **J Toxicol Environ Health** 1(3):531–8, Jan 76

[Site of synthesis of secretory IgA in the human respiratory tract] Couturier M, et al. **Rev Can Biol** 32(2):91–6, Jun 73 (Eng. Abstr.) **(Fre)**

[Study of distribution of Prospidin-C14 in the respiratory organs] Bogomolova NS, et al. **Vestn Otorinolaringol** (3):94–7, May-Jun 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Epidemiological markers for Pseudomonas aeruginosa. 6. Relationship between concomitant non-mucoid and mucoid strains from the respiratory tract in cystic fibrosis. Bergan T, et al. **Acta Pathol Microbiol Scand [Suppl]** 83(6):553–60, Dec 75

Interactions between bovine respiratory secretion and parainfluenza-3 virus. Morein B. **Folia Vet Lat** 5(1):133–44, Jan-Mar 75 **(Eng, Ita)**

The comparison and characterisation of glycolytic mycoplasmas isolated from the respiratory tract of sheep.

Jones GE, et al. **J Med Microbiol** 9(1):39–52, Feb 76

The bacterial flora of the respiratory tract of normal and pneumonic sheep. Alley MR. **NZ Vet J** 23(6):113–8, Jun 75

Serological types of Diplococcus pneumoniae isolated from the respiratory tract of children with cystic fibrosis and children with other diseases. Hoiby N, et al. **Scand J Respir Dis** 57(1):37–40, 1976

Isolation of mycoplasmas from the respiratory tract of horses in Australia. Moorthy AR, et al. **Vet Rec** 98(12):235–7, 20 Mar 76

[Bacterial superinfections in cervicofacial pathology] Bebear C, et al. **Rev Laryngol Otol Rhinol (Bord)** 95(11–12):743–51, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Effects of antibiotic therapy on the microbial flora of the newborn infant] Déry P, et al. **Union Med Can** 104(3):384–6, Mar 75 (Eng. Abstr.) **(Fre)**

[Torulopsis glabrata—its incidence in Finnish patients, especially in the respiratory tract] Kahanpää A. **Mykosen** 18(9):375–81, Sep 75 (Eng. Abstr.) **(Ger)**

[Bacterial flora of the respiratory tract] Ninomiya K. **Jpn J Bacteriol** 30(1):269, Jan 75 **(Jpn)**

[Effect of the aerosol inhalations of some antibacterial preparations on the cocco bacterial flora of the respiratory tract in pulmonary tuberculosis] Kulik NM. **Antibiotiki** 21(6):549–52, Jun 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Metaplasias induced by benzo(a)pyrene in human respiratory epithelium. pp 39–47. Crocker TT, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

[Occurrence and significance of swine diseases: Analysis of dissected material (1971–1973). IV. Pathology of the respiratory tract] Häni H, et al. **Schweiz Arch Tierheilkd** 118(2):43–57, Feb 76 (176 ref.) (Eng. Abstr.) **(Ger)**

[Pathologic-anatomical findings in the respiratory tract of children who died in childbirth] Braun O. **Wien Med Wochenschr** 125(15):233–8, 11 Apr 75 **(Ger)**

[Pathological study of Wegener's granulomatosis – with special reference to pathological changes of the respiratory organs] Kishikawa H, et al. **Jpn J Thorac Dis** 13(6):343–51, Jun 75 (Eng. Abstr.) **(Jpn)**

[Effects of long-term exposure to a low concentration of sulfur dioxide on the mouse respiratory organs 1. Light microscopic observations] Yoda H. **Jpn J Thorac Dis** 13(7):403–12, Jul 75 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Sulfuric acid effect on the deposition of radioactive aerosol in the respiratory tract of guinea pigs. Fairchild GA, et al. **Am Ind Hyg Assoc J** 36(8):584–94, Aug 75

A model for deposition of fibers in the human respiratory system. Harris RL Jr, et al. **Am Ind Hyg Assoc J** 37(2):73–89, Feb 76

Circulo-respiratory fitness in United States Air Force Academy cadets. Harger BS, et al. **Aviat Space Environ Med** 46(9):1144–6, Sep 75

Power spectrum of the respiratory system. Frome EL, et al. **Biometrics** 32(2):423–8, JUN 76

Nomenclature and definitions in respiratory physiology and clinical aspects of chronic lung diseases. **Bull Physiopathol Respir (Nancy)** 11(6):937–59, Nov–Dec 75

Analytical methods for the study of electrical activity in respiratory nerves and muscles. Evanich MJ, et al. **Chest** 70(1 Suppl):158–62, Jul 76

Respiratory muscle function and the use of respiratory muscle electromyography in the evaluation of respiratory regulation. Sharp JT, et al. **Chest** 70(1 Suppl):150–4, Jul 76

The translocation of 241-americium and 242-curium from the respiratory system of the rat. Crawley FE, et al. **Health Phys** 30(2):191–7, Feb 76

Effective respiratory system elastance during positive-pressure breathing in supine man. Josenhans WT, et al. **J Appl Physiol** 39(4):541–7, Oct 75

Frequency response of the chest: modeling and parameter estimation. Peslin R, et al. **J Appl Physiol** 39(4):523–34, Oct 75

The effects of conditioning on cardiorespiratory function in adolescent boys. Shasby GB, et al. **J Sports Med** 3(3):97–107, May–Jun 75

Frequency response of the respiratory system and its components. Purves MJ, et al. **Proc R Soc Med** 68(1):1–2, Jan 75

Observations on the sites of respiratory evaporation in the fowl during thermal panting. Menuam B, et al. **Respir Physiol** 25(1):39–52, Oct 75

Longitudinal survey of the laboratory performance and respiratory changes in old people. Eiselt E. **Rev Czech Med** 21(3):148–56, 1975

A simple method of measuring total respiratory system compliance in newborn infants. Olinsky A, et al. **S Afr Med J** 50(5):128–30, 31 Jan 76

[The reaction of the secretory elements of the mucosa of the upper respiratory tract from physiological and pathophysiological aspects (author's transl)] Werner E. **Z Erkr Atmungsorgane** 143(3):234–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Complex function of mucuos membrane of the upper respiratory tract and its possibilities of irritation (author's transl)] Zippel R. **Z Erkr Atmungsorgane** 143(3):224–33, Jun 75 (Eng. Abstr.) **(Ger)**

[Double blind study on the effects of automobile driving with automatic and standard transmission on various physiological parameters] Tellini M, et al. **Quad Sclavo Diagn** 11(4):747–69, Dec 75 (Eng. Abstr.) **(Ita)**

[Effects of transections and electrical coagulations in the medulla oblongata upon the activities in the respiratory muscles of the crucian carp (author's transl)] Fukuda H. **J Physiol Soc Jpn** 37(7):125–36, 1 Jun 75 (Eng. Abstr.) **(Jpn)**

[Model respiratory system controlled by carbon dioxide] Ogushi Y, et al. **Jpn J Thorac Dis** 13(10):598–604, Oct 75 (Eng. Abstr.) **(Jpn)**

[Airway mechanics (author's transl)] Matthys H. **Respir Circ (Tokyo)** 24(1):25–30, Jan 76 **(Jpn)**

[Problem of the multiple-connected regulation of respiratory indices (pH, pO2, pCO2) of the body] Iumatov EA. **Usp Fiziol Nauk** 6(4):34–64, Oct–Dec 75 (119 ref.) **(Rus)**

[Indices of the functional state of the external respiratory apparatus under physical load in test subjects] Solomonova LN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):234–7, May–Jun 75 **(Rus)**

[Current ideas on some protective-adaptive mechanisms of the respiratory organ system in the light of aerosol (inhalation) immunization] Osipov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):3–9, Feb 76 **(Rus)**

[Respiratory reflexes in early ontogenesis] Korpáš J. **Cesk Fysiol** 24(6):543–5, 1975 **(Slo)**

PHYSIOPATHOLOGY

Outcome criteria to evaluate postoperative respiratory status. Johnson M. **Am J Nurs** 75(9):1474–5, Sep 75

Experimental studies on human health effects of air pollutants: I. Design considerations. Hackney JD, et al. **Arch Environ Health** 30(8):373–8, Aug 75

Cardio-respiratory function in United States coal workers. Lapp NL, et al. **Bull Physiopathol Respir (Nancy)** 11(4):527–59, Jul–Aug 75

[Finite-length elastic tube model of airway obstruction] Hoshimiya N, et al. **Jpn J Med Electron** 12(6):381–8, Dec 74 (Eng. Abstr.) **(Jpn)**

[Acute pulmonary and cardiovascular effects of tobacco smoking in the rabbit. 1. Development of a cigarette smoke respirator for the rabbit and some experimental applications of it (author's transl)] Asano M, et al. **Respir Circ (Tokyo)** 23(5):411–6, May 75 **(Jpn)**

[Cardio-respiratory changes related to anesthesia and controlled respiration in open-heart surgery and in injuries] Norlander O. **Vestn Akad Med Nauk SSSR** (10):8–4, 1975 **(Rus)**

RADIOGRAPHY

The length of the upper airway in infants and neonates. Curran JE, et al. **Australas Radiol** 19(2):161–3, Jun 75

SECRETION

Secretory anti-influenza immunity. Shvartsman YS, et al. **Adv Immunol** 22:291–330, 1976 (230 ref.)

SURGERY

[Letter: JEt-ventilation during general anesthesia in airway surgery] Nemitz B, et al. **Nouv Presse Med** 5(17):1144, 24 Apr 76 **(Fre)**

RESPIRATORY TRACT DISEASES

Editorial: The academic pediatric pulmonary division. **Am Rev Respir Dis** 114(1):1–4, Jul 76

Si units in respiratory medicine. Cotes JE. **Am Rev Respir Dis** 112(6):753–5, Dec 75

Assessment by dual examination of the teaching of respiratory diseases. Borthwick RC. **Br J Med Educ** 10(3):205–7, May 76

General physician and specialist training in thoracic medicine. Britton MG, et al. **Br Med J** 1(6005):331–2, 7 Feb 76

Surgery of the aged. Management of respiratory problems. Greenfield LJ. **Major Probl Clin Surg** 17:62–73, 1975

Assessment by dual examination of the teaching of respiratory diseases. Borthwick RC. **Med Educ** 10(3):205–7, May 76

Parents' knowledge of respiratory disease: A comparison of inner-city and suburban parents. Tomlinson WA. **Pediatrics** 56(6):1009–13, Dec 75

Suggestions for an efficient documentation and information retrieval in an outpatient unit for respiratory diseases. Wierzejewski H, et al. **Pneumonologie** 153(2):81–94, 9 Apr 76

The management and outcome in children admitted to hospital. Court SD. **Postgrad Med J** 49(577):812–7, Nov 73

Patterns of respiratory virus infection. Tyrrell DA. **Postgrad Med J** 49(577):820–1, Nov 73

Control of breathing in disease. Semple SJ. **Proc R Soc Med** 68(4):237–8, Apr 75

Air pollution and respiratory mortality in Los Angeles. Mahoney LE. **West J Med** 124(2):159–66, Feb 76

[Development of characteristic features in children with respiratory tract diseases in relation to the severity and frequency of the disease] Grossert A, et al. **Cesk Pediatr** 30(10):498–500, Oct 75 (Eng. Abstr.) **(Cze)**

[Respiratory manifestations in collagen diseases] Katz M, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:427–8, 1975 **(Fre)**

[Therapy and prevention of chronic respiratory tract diseases] Camerer W. **Fortschr Med** 94(20–21):1189–92, 15 July 76 (Eng. Abstr.) **(Ger)**

[Editorial: 'Small airway disease'] Buhlmann AA. **Schweiz Med Wochenschr** 105(20):633–4, 17 May 75 **(Ger)**

[Emergencies in diseases of the respiratory tract] Steinbrück PW. **Z Aerztl Fortbild (Jena)** 69(8):395, 15 Apr 75 **(Ger)**

[Interpretation and fitness implications of chronic aspecific diseases of the respiratory organs in occupational health checkups] Rebohle E, et al. **Z Gesamte Hyg** 21(7):559–62, Jul 75 (Eng. Abstr.) **(Ger)**

[Diagnosis and removal of foreign bodies in the lower respiratory tract in children] Pietroń K, et al. **Pol Przegl Radiol** 39(6):667–76, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Etiopathogenesis and clinical manifestations of life-endangering conditions in children] Ereciński K, et al. **Wiad Lek** 29(14):1263–7, 15 Jul 76 **(Pol)**

[Modern classification and diagnosis of diseases of the respiratory organs] Gershberg AL. **Klin Med (Mosk)** 53(6):61–4, Jun 75 (Eng. Abstr.) **(Rus)**

[Soviet pulmonology in the past 5 years, main results and perspectives of development] Putov NV, et al. **Ter Arkh** 48(1):38–43, 1976 **(Rus)**

BLOOD

[Significance of arterial blood gas analysis in the diagnosis and evaluation of the pulmonary function] Reichel G. **Wien Med Wochenschr** Suppl 28:4–10, 1975

[Study on the relationship between serum alpha 1 antitrypsin level, the phenotype Pi and various bronchopulmonary diseases] Michel FB, et al. **Pathol Biol (Paris)** 23(7):534–40, Sep 75 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Studies of respiratory morbidity in rubber workers. Part IV. Respiratory morbidity in talc workers. Fine LJ, et al. **Arch Environ Health** 31(4):195–200, Jul–Aug 76

Toxic woods. Woods B, et al. **Br J Dermatol** 94(13 Suppl):1–97, Jun 76

Release of histamine from lung tissue in vitro by dimethylhydantoin-formaldehyde resin and polyvinylpyrrolidone. Nicholls PJ. **Br J Ind Med** 33(2):127–9, May 76

Clinical and experimental studies on the pathogenesis of toxic effects of styrene. II. The effect of styrene on the respiratory system. Chmielewski J, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):299–302, 1975

Epidemiology of toluene diisocyanate (TDI)-induced respiratory disease. Peters JM, et al. **Environ Health Perspect** 11:97–100, Jun 75

Respiratory effects in toluene diisocyanate manufacture: a multidisciplinary approach. Weill H, et al. **Environ Health Perspect** 11:101–8, Jun 75

Asbestos related disease in Barrow-in-Furness. Edge JR. **Environ Res** 11(2):244–7, Apr 76

Experience with asbestos disease and its control in Great Britain's naval dockyards. Harries PG. **Environ Res** 11(2):261–7, Apr 76

Illnesses of children. pp 273–84. Wehrle PF, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Effects of diethylnitrosamine and cigarette smoke on hamsters. Wehner AP, et al. **J Natl Cancer Inst** 56(4):749–56, Apr 76

Respiratory tract illness in meat wrappers. Falk H, et al. **JAMA** 235(9):915–7, 1 Mar 76

A health survey of granite workers in Finland: radiographic findings, respiratory function, hearing, electric sensory thresholds of the fingers and subjective symptoms. Ahlman K, et al. **Scand J Work Environ Health** 1(2):109–16, Jun 75

[Inhalative noxae] Ulmer WT. **Internist (Berlin)** 17(8):391–8, Aug 76 (48 ref.) **(Ger)**

[Respiratory insufficiency among chronic workers – relationship between chrome compounds and the rate of occurrence] Abe S, et al. **Jpn J Thorac Dis** 13(10):608–13, Oct 75 (Eng. Abstr.) **(Jpn)**

[Respiratory tract complications in the course of acute intoxications] Marek K, et al. **Pol Tyg Lek** 30(39):1611–3, 29 Sep 75 (Eng. Abstr.) **(Pol)**

[Panel: Harmfull effects of atmospheric pollution on health] Pou JF, et al. **Bol Asoc Med PR** 67(9):250–60, Sep 75 **(Spa)**

[Pesticide poisoning in the lake region during the agricultural cycle of 1974] Reyes Nájera R, et al. **Salud Publica Mex** 17(5):687–98, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

The definition of acute respiratory illnesses in children. Court SD. **Postgrad Med J** 49(577):771–6, Nov 73

COMPLICATIONS

Sarcoidosis of the upper respiratory tract and its relation to lupus pernio. Neville E, et al. **Ann NY Acad Sci** 278:416–26, 1976

Respiratory involvement in systemic lupus erythematosus. A clinical and immunological study. Holgate ST, et al. **Clin Exp Immunol** 24(3):385–95, Jun 76

[Somatic development of children with respiratory diseases] Copová M, et al. **Cesk Pediatr** 30(5):195–7, May 75 (Eng. Abstr.) **(Cze)**

[Longterm virological studies in chronic diseases of the respiratory tract I (author's transl)] Henigst W. **Munch Med Wochenschr** 118(26):843–6, 25 Jun 76 (Eng. Abstr.) **(Ger)**

[Mycoses following destructive processes of respiratory organs] Petersen KF. **Munch Med Wochenschr** 118(21):673–4, 21 May 76 **(Ger)**

[Cardiac diagnosis and therapy in occupational bronchopulmonary diseases] Mohrmann W, et al. **Z Allgemeinmed** 51(23):1017–9, 20 Aug 75 **(Ger)**

[Incidence of chronic nonspecific diseases of the respiratory system in male population covered by programme for prevention of coronary heart disease (author's transl)] Gałuszka Z, et al. **Przegl Lek** 33(6):639–43, 1976 (Eng. Abstr.) **(Pol)**

[Development of peptic ulcer in diseases of the respiratory and cardiovascular systems] Evtushenko VP. **Vrach Delo** (3):79–81, Mar 74 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Clinical characteristics and the principles of diagnosis of congenital defects and anomalies of the broncho–pulmonary system in children] Fradkin IM, et al. **Pediatriia** (1):83–8, Jan 76 **(Rus)**

DIAGNOSIS

Use of the productive cough test to confirm presence of respiratory symptoms in school–age children. Binder RE, et al. **Am Rev Respir Dis** 112(3):461–3, Sep 75

Comparison of questionnaires: the BMRC and NHLI respiratory questionnaires and a new self–completion questionnaire. Lebowitz MD, et al. **Am Rev Respir Dis** 113(5):627–35, May 76

Evaluation of major airway lesions using the flow–volume loop. Hyatt RE. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):635–42, Sep–Oct 75

Letter: Pulmonary function in occupationally exposed populations. Miller A. **Arch Environ Health** 31(3):171–2, May–Jun 76

Acute respiratory infections. pp. 85–107. Doublier MR. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

Lung scanning and pulmonary angiography in respiratory diseases. Viswanathan R. **Indian J Chest Dis** 17(3):124–31, Jul 75

Comparison between isotope angiocardiopneumography and perfusion scintigraphy in the study of diseases of the respiratory tract. Carratù L, et al. **J Nucl Biol Med** 19(4):195–204, Oct–Dec 75

Patterns of abnormality of lung function. Stark JE. **Nurs Times** 71(38):1500–1, 18 Sep 75

Elevated nitroblue tetrazolium dye reduction test response in acute viral respiratory disease. Sieber OF, et al. **Pediatrics** 58(1):122–4, Jul 76

The definition of acute respiratory illnesses in general practice. Hope–Simpson RE, et al. **Postgrad Med J** 49(577):763–70, Nov 73

New diagnostic possibilities of a combined radiocardiopulmocirculographic method in pulmonology. Vaskov LS. **Radiobiol Radiother (Berl)** 16(4):467–72, 1975

Differential diagnosis of ventilatory disorders with the help of volume/flow diagram. Islam MS. **Respiration** 33(2):104–11, 1976

[Computer experience and further developments in the respiratory function laboratory (author's transl)] Schindl R, et al. **Med Klin** 70(45):1815–20, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Bronchopulmonary emergency situations] Hamm J. **Med Monatsschr** 29(4):149–52, APR 75 **(Ger)**

[The development of endoscopic and bioptic method for the diagnosis of chest diseases (author's transl)] Maassen W. **Prax Pneumol** 29(12):716–22, Dec 75 (Eng. Abstr.) **(Ger)**

[Respiratory complaints without correspondingly proven findings] Wolfart W. **Z Allgemeinmed** 51(31):1401–5, 10 Nov 75 **(Ger)**

[Air pollution and respiratory tract diseases—advances in current detection methods and their application] Satake T. **Respir Circ (Tokyo)** 23(9):763, Sep 75 **(Jpn)**

[Complex of studies facilitating the diagnosis of recurrent and prolonged respiratory diseases in children] Ceglecka–Tomaszewska K, et al. **Pediatr Pol** 51(1):51–7, Jan 76 (Eng. Abstr.) **(Pol)**

[Nasosinusal endoscopy] Obreja S, et al. **Rev Chir [Otorinolaringol]** 21(2):115–22, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Sinusoscopy and rhinopharyngoscopy: 2 routine examinations] Willemot J. **Rev Chir [Otorinolaringol]** 21(2):123–6, Apr–Jun 76 **(Rum)**

[Study of reference values for usual spirographic parameters: vital capacity (VC), maximum expiratory volume per second (VEMS) and the VEMS times 100/cv ratio in an urban population] Jienescu Z, et al. **Rev Ig [Pneumoftiziol]** 23(5):427–44, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Perspectives and trends in the studies of diseases of the respiratory organs in children] Rachinskiĭ SV, et al. **Pediatriia** (4):6–9, Apr 75 **(Rus)**

[Participation of the pediatrician–phthisiologist in the observation of children with nonspecific respiratory tract diseases] Kotova LI. **Probl Tuberk** (7):17–20, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Historical review of the use of parasympatholytic agents in the treatment of respiratory disorders. Gandevia B. **Postgrad Med J** 51(7 SUPPL):13–20, 1975

[Continued or discontinued administration of antimicrobial agents in patients of the CARA group] Sluiter HJ. **Ned Tijdschr Geneeskd** 120(31):1337–9, 31 Jul 76 **(Dut)**

[The place of citicolin in pulmonological therapy (author's transl)] Cornia G, et al. **Munch Med Wochenschr** 118(25):817–8, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Treatment of diseases of the respiratory system (author's transl)] Ulmer WT. **Prax Pneumol** 29(12):709–15, Dec 75 (Eng. Abstr.) **(Ger)**

[Mucolytic therapy for respiratory system diseases. Clinical–experimental results before and after treatment with Transbronchin] Primer G. **Ther Ggw** 114(8):1251–66, Aug 75 **(Ger)**

[Effects of inhalation of 02 in 24% of patients with bronchopneumopathies] Grandillo F, et al. **Arch Monaldi** 30(4):257–66, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Position of cytocholine in pneumologic therapy] Cornia G, et al. **Minerva Med** 66(77):4053–5, 14 Nov 75 (Eng. Abstr.) **(Ita)**

[Lincomycin in respiratory tract diseases in children] Klinowska W, et al. **Wiad Lek** 29(4):281–4, 15 Feb 76 (Eng. Abstr.) **(Pol)**

[Experience in using propolis aerosol inhalations in treating occupational diseases of the respiratory organs] Belomyttseva LA, et al. **Gig Tr Prof Zabol** (4):54, Apr 76 **(Rus)**

[Atomizer for medicinal powders] Gerasimov AI, et al. **Zh Ushn Nos Gorl Bolezn** (2):120–1, Mar–Apr 75 **(Rus)**

[Experience in treating inflammatory diseases of the upper respiratory tracts with an infusion of spruce buds] Tokman AS, et al. **Zh Ushn Nos Gorl Bolezn** (5):90–1, Sep–Oct 75 **(Rus)**

[Respiratory scleroma and its treatment with thiophenicol] Somonte R, et al. **An Otorrinolaringol Ibero Am** 1(4):99–110, 1974 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Glycosyltransferases in human respiratory tissue. Alterations in subjects with hypersecretion of mucus. Baker AP, et al. **Biochem Med** 14(1):42–50, Sep 75

[Distribution of phenotypes and levels of serum alpha1–antitrypsin in respiratory diseases in Japan] Inokuma S, et al. **Jpn J Thorac Dis** 13(3):150–4, Mar 75 (Eng. Abstr.) **(Jpn)**

[Concentration of alpha 1 antitrypsin in children with pulmonary disease] Janićijević D, et al. **God Zb Med Fak Skopje** 21:85–90, 1975 (Eng. Abstr.) **(Ser)**

ETIOLOGY

'Visiting the iniquity of the fathers upon the children'. Hall WJ, et al. **Am J Dis Child** 129(8):887–8, Aug 75

Investigation of a respiratory disease associated with an air–conditioning system. Pickering CA, et al. **Clin Allergy** 6(2):109–118, Mar 76

Air pollution and respiratory disease in children and young adults. Colley JR. **Community Health (Bristol)** 7(1):28–31, Jul–Aug 75

Study on the relationship of air pollution to respiratory disease in schoolchildren. Kerrebijn KF, et al. **Environ Res** 10(1):14–28, Aug 75

Clinical implications of air pollution research for respiratory diseases. pp. 79–82. Burrows B. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Clinical implications of air pollution research for illnesses of children. pp 347–50. Knelson JH. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Respiratory complications of obstetric anesthesia. Moore J, et al. **Int Anesthesiol Clin** 14(1):135–48, Spring 76 (52 ref.)

Sickness absence and smoking behavior and its consequences. A review. Athanasou JA. **J Occup Med** 17(7):441–5, Jul 75

Etiology of respiratory tract infections in children in Cali, Colombia. Escobar JA, et al. **Pediatrics** 57(1):123–30, Jan 76

Respiratory problems complicating burn injury: recognition, assessment, and treatment. Jelenko C 3d, et al. **Postgrad Med** 58(4):97–102, Oct 75

[Respiratory diseases and somatotype of the child] Blažek F, et al. **Cesk Pediatr** 30(10):462–3, Oct 75 (Eng. Abstr.) **(Cze)**

[Respiratory manifestations in Waldenström's macroglobulinemia (apropos of 5 cases)] Genevrier R, et al. **Cah Med** 15(14):883–90, 15 Dec 74 **(Fre)**

[Air pollution and respiratory diseases (author's transl)] Langmann R. **Oeff Gesundheitswes** 37(7):392–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Smoking, chronic airway disease and lung cancer (author's transl)] Beil M. **Prax Pneumol** 29(7):403–12, Jul 75 (Eng. Abstr.) **(Ger)**

[Respiratory tract diseases in children with cleft lip and cleft palate] Katscher R, et al. **Stomatol DDR** 26(2):98–101, Feb 76 (Eng. Abstr.) **(Ger)**

[Respiratory diseases due to noxious agents in agriculture workers] Wolff F. **Z Erkr Atmungsorgane** 143(1):4–15, Apr 75 (Eng. Abstr.) **(Ger)**

[Prevention of bronchopneumopathic complications in scoliosis] Bariffi F, et al. **Arch Monaldi** 29(5–6):466–76, Sep–Dec 74 **(Ita)**

[Bronchopneumopathies due to cereals in grain silos workers: etiological and pathogenetical aspects] Franceschelli A, et al. **Med Lav** 66(6):581–5, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Chronic aspecific respiratory diseases in foundry workers] Gaffuri E. **Med Lav** 66(6):617–22, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Bronchopneumopathies due to cereals in grain silos workers: clinical, radiological and functional picture] Zanardi S, et al. **Med Lav** 66(6):577–80, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Relations between atmospheric pollution and the respiratory tract] Petraglia A, et al. **Minerva Med** 67(6):406–10, Feb 76 (Eng. Abstr.) **(Ita)**

[Diseases of the respiratory organs caused by atypical mycobacteria] Antipova SI, et al. **Probl Tuberk** (4):80–2, 1975 **(Rus)**

[Disability among agricultural machine operators due to respiratory tract diseases] Malen'kiĭ VP. **Vrach Delo** (9):92–4, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of working conditions on the indicators of external respiration in workers of a ferroalloy plant] Triatsyn NI. **Vrach Delo** (12):109–2, Dec 75 (Eng. Abstr.) **(Rus)**

[Respiratory disorders in cerebral stroke] Bogolepov NK, et al. **Zh Nevropatol Psikhiatr** 74(2):216–26, 1974 (Eng. Abstr.) **(Rus)**

[Diseases of the respiratory tract during autoimmune diseases] Spevak LJ. **Med Pregl** 28(7–8):291–5, 1975 (Eng. Abstr.) **(Ser)**

FAMILIAL & GENETIC

Respiratory symptoms related to smoking habits of family adults. Lebowitz MD, et al. **Chest** 69(1):48–50, Jan 76

Familial aggregation of chronic respiratory disease: use of National Health Interview Survey data for specific hypothesis testing. Speizer FE, et al. **Int J Epidemiol** 5(2):167–72, Jun 76

Relation of alpha–1–antitrypsin phenotype to the performance of pulmonary function tests and to the prevalence of respiratory illness in a working population. Cole RB, et al. **Thorax** 31(2):149–57, Apr 76 (37 ref.)

[Genetic problems in malformations of the lung and tracheobronchial system] Jörgensen G. **Med Welt** 27(22):1089–95, 28 May 76 **(Ger)**

HISTORY

Whodunit (and why). Part 1. Comroe JH Jr. **Am Rev Respir Dis** 113(6):879–84, Jun 76

[Contribution of physicians of pre–Revolution Belorussia to the study of diseases of the respiratory organs (19th century–early 20th century)] Eleĭnikova VS. **Klin Med (Mosk)** 52(1):142–4, Jan 74 **(Rus)**

IMMUNOLOGY

A contribution to the study of local immunity in infants suffering from acute respiratory diseases. Kikindjanin V. **Allerg Immunol (Leipz)** 20–21(3):303–10, 1974–75

Respiratory disorders and allergy skin–test reactions. Burrows B, et al. **Ann Intern Med** 84(2):134–9, Feb 76

Application of the leukocyte migration inhibition (LMI) test in clinical management of diseases of the respiratory system. Pregowski W, et al. **Arch Immunol Ther Exp (Warsz)** 24(3):367–71, 1976

[Mobilization and pulmonary accumulation of RES cells after broncho–pulmonary irritation] pp. 117–27. Grünspan M. **In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974.** (Eng. Abstr.) **(Fre)**

[Significance of intradermal tests and eosinophilia in respiratory tract diseases in workers of the textile industry] Korn–Rydzewska H, et al. **Otolaryngol Pol** 29(4):365–70, 1975 (Eng. Abstr.) **(Pol)**

[State of the immunological reactivity in respiratory diseases of nonspecific etiology] Pokhodzeĭ IV, et al. **Ter Arkh** 47(3):107–11, 1975 (Eng. Abstr.) **(Rus)**

[Change in the non–specific resistance of the body to influenza and acute respiratory diseases following immunization diphtheria–tetanus vaccine] Burmistrova AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):89–91, 1976 (Eng. Abstr.) **(Rus)**

[Respiration disorders observed in humoral immunity deficiency syndromes. Preliminary report] Ibarra JP, et al. **Hoja Tisiol** 28(1–2):3–40, 1971 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Quantitative shedding patterns of respiratory syncytial virus in infants. Hall CB, et al. **J Infect Dis** 132(2):151–6, Aug 75

Parainfluenza virus infections. Clarke SK. **Postgrad Med J** 49(577):792–7, Nov 73

Influenza virus infections. Grist NR. **Postgrad Med J** 49(577):807–11, Nov 73

Rhinovirus infections. Higgins PG. **Postgrad Med J** 49(577):802–6, Nov 73

Viral and epidemiological findings in MRC/PHLS surveys of respiratory disease in hospital and general practice. Poole PM, et al. **Postgrad Med J** 49(577):778–87, Nov 73

[Equine rhinopneumonitis virus infection in horses (author's transl)] Dijkstra RG. **Tijdschr Diergeneeskd** 100(17):930–1, 1 Sep 75 **(Dut)**

[Viruses associated with acute respiratory diseases in children under 10 years in Téhéran] Farrohi KH, et al. **Acta Med Iran** 17(3–4):121–6, Dec 74 **(Fre)**

[Fungi in bronchial secretion of children with nonspecific bronchopulmonary diseases] Hühnerbein J, et al. **Kinderaerztl Prax** 43(11):492–5, Nov 75 **(Ger)**

MORTALITY

Closing volume and the single breath nitrogen index in a Danish population – a ten year follow-up. McDermott M, et al. **Bull Physiopathol Respir (Nancy)** 11(1):41P–45P, Jan–Feb 75

Respiratory disease mortality in an institutionalised mentally retarded population. Polednak AP. **J Ment Defic Res** 19(3–4):165–72, Sep–Dec 75

Possibly avoidable deaths in hospital in the age-group one week to two years. Oakley JR, et al. **Lancet** 1(7963):770–2, 10 Apr 76

A paediatric respiratory intensive care unit in Lagos. Sodipo JO. **Resuscitation** 4(1):39–43, 1975

Air pollution and respiratory mortality in Los Angeles. Mahoney LE. **West J Med** 124(2):159–66, Feb 76

OCCURRENCE

The influence of pulmonary growth and development on paediatric respiratory diseases. Polgar G. **Acta Paediatr Acad Sci Hung** 15(3–4):183–91, 1974

Acute morbidity and physical growth in rural Guatemalan children. Martorell R, et al. **Am J Dis Child** 129(11):1296–1301, Nov 75

Chronic nonspecific respiratory disease in Berlin, New Hampshire, 1967 to 1973. A further follow-up study. Ferris BG, et al. **Am Rev Respir Dis** 113(4):475–85, Apr 76

Respiratory morbidity in rubber workers: I. Prevalence of respiratory symptoms and disease in curing workers. Fine LJ, et al. **Arch Environ Health** 31(1):5–9, Jan–Feb 76

Studies of respiratory morbidity in rubber workers. Part III. Respiratory morbidity in processing workers. Fine LJ, et al. **Arch Environ Health** 31(3):136–40, May–Jun 76

Aerosol usage and respiratory symptoms. Lebowitz MD. **Arch Environ Health** 31(2):83–6, Mar–Apr 76

Smoking and respiratory illness in military recruits. Pollard RB, et al. **Arch Environ Health** 30(11):533–7, Nov 75

Pediatric pulmonary illnesses -- extent, concerns and hopes. Taussig LM. **Ariz Med** 33(3):205–7, Mar 76

A longitudinal epidemiological study of respiratory diseases. Vanselow NA. **Ariz Med** 33(4):289–90, Apr 76

Chest symptoms in farming communities with special reference to farmer's lung. Morgan DC, et al. **Br J Ind Med** 32(3):228–34, Aug 75

Some methodological problems in assessment of chronic respiratory diseases prevalence. Leowski J, et al. **Bronches** 24(6):322–7, Nov–Dec 74

Cigarette smoking in Latin America—A survey of eight cities. Joly DJ. **Bull Pan Am Health Organ** 9(4):328–44, 1975

Air pollution and childhood lower respiratory disease I. Exposure to sulfur oxides and particulate matter in New York, 1972. pp 321–37. Hammer DI, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Surveillance techniques for respiratory illness. pp 339–46. Tager IB, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Changes in respiratory symptoms related to smoking in a teenage population: the results of two linked surveys separated by one year. Rush D. **Int J Epidemiol** 5(2):173–8, Jun 76

A study of acute respiratory diseases with special reference to Mycoplasma pneumoniae infections. Govil MK, et al. **J Assoc Physicians India** 23(5):297–303, May 75

Letter: Respiratory problems in coal miners. Morgan WK. **JAMA** 235(13):1324–5, 29 Mar 76

Ventilatory abnormalities in hospital admissions. McLeod J, et al. **NZ Med J** 83(557):79–81, 11 Feb 76

Smoking behaviour and respiratory health in teenage sample: the rotorua lakes study, 1. Stanhope JM, et al. **NZ Med J** 82(545):71–6, 13 Aug 75

Physical hazards. Lawther PJ, et al. **Postgrad Med J** 51 Suppl 2:suppl 51: 5–9, 1975

Collaborative studies of acute respiratory disease in patients seen in general practice and in children admitted to hospital: aims, field methods and morbidity rates. Miller DL. **Postgrad Med J** 49(577):749–62, Nov 73

Chronic cough in young adults in relation to smoking habits, childhood environment and chest illness. Kiernan KE, et al. **Respiration** 33(3):236–44, 1976

Acute respiratory disease in the United States Army in the Republic of Vietnam, 1965–1970. Sanford JP. **Yale J Biol Med** 48(3):179–84, Jul 75

[Health Organization TNO. Population survey on cardio-respiratory disorders] **Ned Tijdschr Geneeskd** 119(50):1980–7, 13 Dec 75 **(Dut)**

[Methodology of a survey on chronic bronchial-lung diseases and their detection in industrial areas of the Toulouse-Midi-Pyrenees region (France)] Rouch Y, et al. **Bronches** 24(6):328–37, Nov–Dec 74 **(Fre)**

[Editorial: Epidemiological researches in CNSRD – why? (author's transl)] Sadoul P. **Bull Physiopathol Respir (Nancy)** 11(1):1–6, Jan–Feb 75 **(Fre)**

[Atmospheric pollution and health of students] East C, et al. **Can J Public Health** 66(5):399–405, Sep–Oct 75 **(Fre)**

[Association of tobacco and atmospheric pollution. Action on the respiratory system according to epidemiological data] Dubois G. **Lille Med** 20(8):731–4, Oct 75 **(Fre)**

[On the epidemiology of recurrent and chronic bronchopulmonary diseases–an examination of about 18000 children. 3. Investigation in the district of Merseburg (author's transl)] Brömme W, et al. **Z Erkr Atmungsorgane** 145(1):111–5, Apr 76 (Eng. Abstr.) **(Ger)**

[On the epidemiology of recurrent and chronic brochopulmonary diseases–an examination of about 18000 children. 2. Investigations in the district of Quedlinburg (author's transl)] Thiemann HH, et al. **Z Erkr Atmungsorgane** 145(1):104–10, Apr 76 (Eng. Abstr.) **(Ger)**

[On the epidemiology of recurrent and chronic bronchopulmonary diseases–an examination of about 18000 children. 1. Planning and organization of the investigation (author's transl)] Thiemann HH, et al. **Z Erkr Atmungsorgane** 145(1):98–103, Apr 76 (Eng. Abstr.) **(Ger)**

[On the epidemiology of recurrent and chronic bronchopulmonary diseases–an examination of about 18000 children. 4. Investigation in the cities of Halle and Halle-Neustadt (author's transl)] Vorwald U, et al. **Z Erkr Atmungsorgane** 145(1):116–20, Apr 76 (Eng. Abstr.) **(Ger)**

[On the epidemiology of recurrent and chronic bronchopulmonary diseases–an examination of about 18000 children. 5. Investigations in Wolfen and Bitterfeld (author's transl)] Vorwald U, et al. **Z Erkr Atmungsorgane** 145(1):121–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Editorial: Air pollution and respiratory tract diseases—for the solution of problems concerning medical treatment and legislation] Satake T. **Jpn J Thorac Dis** 13(9):501–2, Sep 75 **(Jpn)**

[Epidemiological studies of respiratory tract diseases in Płock. II. Chronic cough and/or phlegm-production syndrome in the inhabitants of Płock] Leowski J, et al. **Pneumonol Pol** 44(5):413–20, May 76 (Eng. Abstr.) **(Pol)**

[Epidemiological studies of respiratory tract diseases in Płock. I. Organization and methods of a complex study] Leowski J, et al. **Pneumonol Pol** 44(5):405–11, May 76 (Eng. Abstr.) **(Pol)**

[Relationship between chronic nonspecific respiratory diseases and demographic features as well as smoking habits in a sample of inhabitants of 3 districts of the City of Łódź] Matuszkiewicz W. **Pneumonol Pol** 44(6):513–25, 1976 (Eng. Abstr.) **(Pol)**

[Epidemiological study of the increase in frequency of chronic non-specific respiratory diseases in children, under the influence of urban atmospheric pollution] Barnea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(2):141–6, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Hygienic characteristics of the dust factor in agriculture and its effect on the respiratory organs] Malen'kil VP. **Gig Sanit** (8):66–70, Aug 75 (39 ref.) **(Rus)**

PATHOLOGY

The cytopathology of the respiratory tract. A review. Johnston WW, et al. **Am J Pathol** 84(2):317–424, Aug 76 (379 ref.)

Macular amyloidosis with localized amyloidosis of upper air passages. Gottschalk HR, et al. **Arch Dermatol** 111(8):1017–9, Aug 75

Oncocytic lesions of the upper respiratory tract. Busuttil A. **J Laryngol Otol** 90(3):277–88, Mar 76

[Classification of pathological ultrastructural changes in the bronchial epithelium of children and adults with relapsing chronic respiratory disease] Konrádová V, et al. **Cesk Pediatr** 31(3):146–8, Mar 76 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Blood-gas and acid-base concepts in respiratory care. Programmed instruction. **Am J Nurs** 76(6):P11–30, Jun 76

Respiratory response to tobacco dust exposure. Valić F, et al. **Am Rev Respir Dis** 113(6):751–5, Jun 76

Respiratory morbidity in rubber workers: II. Pulmonary function in curing workers. Fine LJ, et al. **Arch Environ Health** 31(1):10–4, Jan–Feb 76

[Influence of repeated respiratory diseases in collective institutions on the respiratory function] Samánková L, et al. **Cesk Pediatr** 30(12):595–8, Dec 75 (Eng. Abstr.) **(Cze)**

[Pathophysiology of acute respiratory disturbances (author's transl)] Nolte D. **Prax Pneumol** 30(1):18–25, Jan 76 (Eng. Abstr.) **(Ger)**

[Pathophysiology of diffusion disorders] Thews G. **Verh Dtsch Ges Inn Med** 81:350–8, 1975 **(Ger)**

[Pathophysiology of respiratory disturbances in children (author's transl)] Dietzsch HJ, et al. **Z Erkr Atmungsorgane** 144(3):233–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Development and organisation of cardiorespiratory function testing in GDR (author's transl)] Steinbrück P. **Z Erkr Atmungsorgane** 144(3):187–93, Mar 76 (Eng. Abstr.) **(Ger)**

[Relation between structure and function in the field of respiratory physiopathology] Ricca M. **Minerva Med** 66(78):4063–74, 17 Nov 75 **(Ita)**

[Relationship between presence of past pulmonary illness and flow-volume curves of adults with normal appearance (author's transl)] Matsumoto S. **Jpn J Clin Pathol** 23(6):471–4, Jun 75 **(Jpn)**

[Detection of early disorders of pulmonary function in cigarette smokers] Grębska E. **Pneumonol Pol** 44(6):585–92, 1976 **(Pol)**

[Zonal rheography in the study of lung function] Frinerman EA, et al. **Sov Med** (8):35–7, Aug 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Editorials: Childhood—the time for prevention? **Int J Epidemiol** 5(2):111, Jun 76

Current patterns of acute respiratory disease in the United States Navy and Marine Corps. Hoeffler DF. **Yale J Biol Med** 48(3):171–8, Jul 75

Control of adenovirus acute respiratory disease in U.S. Army trainees. Top FH Jr. **Yale J Biol Med** 48(3):185–95, Jul 75 (32 ref.)

[Effectiveness of total prophylactic ultraviolet irradiation at an industrial plant] Korobova GV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):467–8, Sep–Oct 75 **(Rus)**

[Development and achievements of tuberculosis and respiratory disease control in Czechoslovakia in the last 30-years] Virsík K, et al. **Cas Lek Cesk** 114(33):1001–2, 15 Aug 75 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Radiology in the respiratory intensive care unit. McCauley RG. **Int Anesthesiol Clin** 14(1):1–29, Spring 76 (53 ref.)

[Combined mass X-ray examinations of the respiratory tract (author's transl)] Brasch C, et al. **Z Erkr Atmungsorgane** 143(2):91–6, May 75 (Eng. Abstr.) **(Ger)**

[Organization of the preclinical examination of persons with diseases of the respiratory organs detected by fluorography] Feigen MI, et al. **Probl Tuberk** (21):12–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Prospects of using large-frame fluorography for studying the respiratory organs] Kishkovskil AN, et al. **Voen Med Zh** (3):29–33, Mar 76 **(Rus)**

SURGERY

Cricothyroidotomy: elective use in respiratory problems requiring tracheotomy. Brantigan CO, et al. **J Thorac Cardiovasc Surg** 71(1):72–81, Jan 76

[Editorial: Respiratory diseases and surgical management] Inoue K. **Jpn J Thorac Dis** 13(8):441–2, Aug 75 **(Jpn)**

THERAPY

Respiratory care warrants studies for cost-effectiveness. Burton GG, et al. **Hospitals** 49(22):61, 64–5, 71, 16 Nov 75

Letter: Respiratory therapists. **N Engl J Med** 294(17):957–9, 22 Apr 76

Editorial: Where next for respiratory medicine? An epidemiological point of view. Holland WW. **Pneumonologie** 152(4):249–52, 14 Nov 75

Respiratory care following open heart surgery. Estafanous FG. **Surg Clin North Am** 55(5):1229–41, Oct 75

[The therapeutic significance of bronchial suction-drainage in infants] Kollár D. **Monatsschr Kinderheilkd** 124(2):71–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Indications and assessment of results in the balneo treatment of chronic bronchopulmonary diseases in childhood] Leupold W. **Z Aerztl Fortbild (Jena)** 69(24):1286–90, 15 Dec 75 **(Ger)**

[Therapeutic waters and thermal rehabilitation in chronic diseases of the respiratory tract] Federici PC. **Minerva Ecol Idroclimatol Fis Nucl** 15(4):121–7, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

[Spa treatment of respiratory tract diseases] Petraglia A, et al. **Minerva Ecol Idroclimatol Fis Nucl** 15(4):128–32, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

[Automatic artificial pulmonary respiration in external respiration disorders of newborn infants] Vanovskaia IV. **Akush Ginekol (Mosk)** (2):16–20, Feb 75 (Eng. Abstr.) **(Rus)**

URINE

[Urinary excretion of hydroxyproline in children with

respiratory diseases] Ceglecka-Tomaszewska K, et al. **Pol Tyg Lek** 30(48):1997-9, 1 Dec 75 (Eng. Abstr.) **(Pol)**

VETERINARY

Dusty feed and acute respiratory disease in pigs. Jericho KW, et al. **Can Vet J** 16(12):360-6, Dec 75

The pathology of respiratory diseases of adult cattle in Britain. Breeze RG, et al. **Folia Vet Lat** 5(1):95-128, Jan-Mar 75

Cytology of tracheobronchial aspirates in horses. Beech J. **Vet Pathol** 12(3):157-64, 1975

Inhaled feed particles in experimental pigs with and without vitamin A deficiency. Jericho KW. **Vet Pathol** 12(5-6):415-27, 1975

[Occurrence and significance of swine diseases: Analysis of dissected material (1971-1973). IV. Pathology of the respiratory tract] Häni H, et al. **Schweiz Arch Tierheilkd** 118(2):43-57, Feb 76 (176 ref.) (Eng. Abstr.) **(Ger)**

[Organization of the treatment of respiratory diseases in lambs] Zekenov U. **Veterinariia** (3):101-4, Mar 76 **(Rus)**

RESPIRATORY TRACT INFECTIONS

Enhancement of natural and experimental respiratory mycoplasmosis in rats by hexamethylphosphoramide. Overcash RG, et al. **Am J Pathol** 82(01):171-89, Jan 76

Pathogenesis and pathology of respiratory tularaemia in the rabbit. Baskerville A, et al. **Br J Exp Pathol** 57(3):339-47, Jun 76

Pulmonary infections. Cushing R. **Heart Lung** 5(4):611-3, Jul-Aug 76

Significant determinants in the acquisition of and response to pulmonary infections. Smith JW. **J Ky Med Assoc** 73(10):543-7, Oct 75

Acute respiratory infections in pediatrics. Ayoub CS. **J Med Liban** 27(6):723-9, 1974

Letter: Acute toe walking syndrome. Buie WB. **Med J Aust** 2(19):752, 8 Nov 75

Respiratory-tract infections in the tropics. Warrell DA. **Practitioner** 215(1290):740-4, Dec 75

[Current aspects of acute infections non-tuberculous lung diseases in adults (250 cases)] Macquet V, et al. **Lille Med** 20(10):882-7, Dec 75 **(Fre)**

[Case of Mounier-Kuhn syndrome] Abramczyk B, et al. **Otolaryngol Pol** 29(4):407-9, 1975 **(Pol)**

[Respiratory syncytial virus infection in adults] Ketiladze ES, et al. **Klin Med (Mosk)** 52(2):57-62, Feb 74 (Eng. Abstr.) **(Rus)**

[Course of acute respiratory tract infections in premature infants depending on the etiology and the state of specific immunity] Afonina LG, et al. **Vopr Okhr Materin Det** 19(4):49-53, Apr 74 (Eng. Abstr.) **(Rus)**

[Allergic bronchopulmonary aspergillosis. Apropos of 4 cases] Manresa Presas F, et al. **Rev Clin Esp** 140(2):149-54, 31 Jan 76 (Eng. Abstr.) **(Spa)**

BLOOD

[Transmination of certain amino acids in the blood serum in acute respiratory infections in children] Nabukhomnyĭ TK, et al. **Pediatriia** (1):34, Jan 74 **(Rus)**

[Antistreptolysin O in subjects with incidence of group a Streptococci in the upper respiratory tract (author's transl)] Stefanovič J, et al. **Bratisl Lek Listy** 64(6):685-91, Dec 75 (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

[Laryngotracheobronchitis and air pollution by SO2] Wemmer U, et al. **Monatsschr Kinderheilkd** 124(5):241-3, May 76 **(Ger)**

COMPLICATIONS

Of URI and cardiomyopathy. Burch GE. **Am Heart J** 91(4):538, Apr 76

Horseshoe lung in an infant with recurrent pulmonary infections. Cipriano P, et al. **Am J Dis Child** 129(11):1343-5, Nov 75

Cardiac and other abnormalities in the sudden infant death syndrome. Naeye RL, et al. **Am J Pathol** 82(01):1-8, Jan 76

Role of infection in chronic bronchitis. Gump DW, et al. **Am Rev Respir Dis** 113(4):465-74, Apr 76

Rhinovirus and influenza type A infections as precipitants of asthma. Minor TE, et al. **Am Rev Respir Dis** 113(2):149-53, Feb 76

HL-A antigens in psoriasis with special reference to the clinical type, age of onset, exacerbations after respiratory infections and occurrence of arthritis. Karvonen J. **Ann Clin Res** 7(5):301-11, Oct 75

Sepsis, resuscitated hemorrhagic shock and 'shock lung:' An experimental correlation. Esrig BC, et al. **Ann Surg** 182(3):218-27, Sep 75

Clinical aspect of respiratory tract infections. Norman J. **Antibiot Chemother** 21:103-5, 1976

Poststreptococcal nephritis--a rare disease?. Meadow SR. **Arch Dis Child** 50(5):379-82, May 75

Colonization by Enterobacteriaceae of the respiratory tract of children with cystic fibrosis of the pancreas and their antibody response. Seidmon EJ, et al. **J Pediatr** 87(4):528-33, Oct 75

Pneumatosis intestinalis following common upper-respiratory-tract infection. Naggar CZ. **JAMA** 235(20):2221-2, 17 May 76

Nasal obstruction. I. General factors, inflammatory and neoplastic causes. Doey WD. **Nurs Times** 72(5):177-9, 5 Feb 76

Importance of associated viral and bacterial infections in the production of acute pneumonias. Campeanu A, et al. **Rev Roum Med [Med Intern]** 14(2):139-45, Apr-Jun 76 (Eng. Abstr.)

Apneas during sleep in infants: possible relationship with sudden infant death syndrome. Guilleminault C, et al. **Science** 190(4215):677-9, 14 Nov 75

Proceedings: The role of viral infection in asthma and bronchitis. Gregg I, et al. **Tubercle** 56(2):171, Jun 75

[Influence of intercurrent infections on the course of cure and final result] E:trich HW. **Kinderaerztl Prax** 43(6):242-7, Jun 75 **(Ger)**

[Hyposensitization of infective asthma; functional aspects (author's transl)] Rensch H, et al. **Prax Pneumol** 30(3):175-6, Mar 76 (Eng. Abstr.) **(Ger)**

[Clinical aspects of juvenile asthmatiform bronchitis and bronchial asthma] Gamalero PC, et al. **Minerva Pediatr** 27(35):1961-6, 10 Nov 75 **(Ita)**

[Effect of allergy and various upper respiratory tract diseases on the development of bronchospastic conditions. I. Coexistence of pathologic changes in upper and lower airways. II. Effect of pathological changes in the upper respiratory tract on the onset and clinical picture of bronchial asthma. III. Behabior of some immuno-chemical indices in patients with allergic rhinitis and bronchospastic episodes] Wąsek Z, et al. **Pneumonol Pol** 44(4):357-69, 1976 (Eng. Abstr.) **(Pol)**

[Frequent clinical aspects of acute infections of the respiratory tract in children] Mincu D, et al. **Rev Chir [Otorinolaringol]** 19(5):365-8, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

[Problems concerning the etiopathogenesis of bronchopulmonary suppurations] Unteanu G, et al. **Rev Ig [Pneumoftiziol]** 25(1-2):23-6, Jan-Mar 76 (Eng. Abstr.) **(Rum)**

[Disseminated intravascular coagulation syndrome in severe respiratory tract infections in infants] Minculescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 23(4):303-8, Jul-Sep 74 **(Rum)**

[Effect of viral infection on the course of glomerulonephritis in children] Krasnova KN. **Pediatriia** (2):29-32, Feb 74 **(Rus)**

[Syndrome of acute adrenal gland insufficiency in acute respiratory tract infections in children] Prikhod'ko EI, et al. **Pediatriia** (1):8-11, Jan 74 (Eng. Abstr.) **(Rus)**

[Acute disorder of the accessory nasal sinuses in mixed viral diseases] Grushinskaia IA, et al. **Vestn Otorinolaringol** (4):81-4, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Respiratory-viral infection in a child, complicated by interstitial myocarditis, with fatal outcome] Borzunov LM, et al. **Vopr Okhr Materin Det** 20(8):83-4, Aug 75 **(Rus)**

[Role of mycoplasma infection in the clinical course of acute respiratory diseases according to hospital observations] Mkrtychian AS. **Vopr Okhr Materin Det** 20(11):57-61, Nov 75 (Eng. Abstr.) **(Rus)**

[Principles of treatment of the infectious-allergic form of bronchial asthma] Kokosov AN, et al. **Vrach Delo** (3):102-4, Mar 74 (Eng. Abstr.) **(Rus)**

[Differentiated approach to lesions of the nervous system in acute respiratory diseases] Vashchenko MA, et al. **Vrach Delo** (6):137-40, Jun 74 (Eng. Abstr.) **(Rus)**

[Infections in diabetic children] Jokanović R, et al. **Srp Arh Celok Lek** 103(9):711-21, Sep 75 (Eng. Abstr.) **(Ser)**

DIAGNOSIS

Diagnosis of rhinovirus-infections by virological and immunofluorescent methods. Dreizin RS, et al. **Acta Virol (Praha)** 19(5):413-8, Sep 75

Pulmonary disease caused by scotochromogenic Mycobacteria. Tandon MK. **Bull Int Union Tuberc** 49 suppl 1:307-10, Aug 74

Nonbacterial respiratory infections. Mufson MA, et al. **DM** :3-40, Nov 75

Physicochemical and serological characteristics of respiratory virus fluorescein-isothiocyanate conjugates for fluorescent-antibody diagnosis. Lyerla HC, et al. **J Clin Microbiol** 1(5):451-61, May 75

Counter-current immunoelectrophoresis for the diagnosis of pneumococcal chest infection. El-Refaie M, et al. **J Clin Pathol** 28(10):801-6, Oct 75

A review of routine tests for respiratory viruses in hospital inpatients. Oswald NC, et al. **Thorax** 30(4):361-6, Aug 75

[Comparison between expectorations and transtracheal aspiration (author's transl)] Geerts L. **Acta Tuberc Pneumol Belg** 65(5):469-77, Sep-Oct 74 (Eng. Abstr.) **(Fre)**

[Letter: The degree of infection of sputum in pneumologic practice. The objective parameters susceptible to characterization. Critical study] Michel FB, et al. **Nouv Presse Med** 4(28):2042-3, 30 Aug-6 Sep 75 **(Fre)**

[Lethal aspergillosis of the paranasal sinuses (author's transl)] Weidenbecher M, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):722-7, Sep 75 (Eng. Abstr.) **(Ger)**

[Acute respiratory tract infection] Hager C. **Monatsschr Kinderheilkd** 124(4):179-81, Apr 76 **(Ger)**

[Ambulatory treatment of virus-induced respiratory tract diseases. 4. Clinical aspects and therapy of virus-induced respiratory tract infections as well as the developmental aspects of antiviral therapy. Benndorf S, et al. **Z Aerztl Fortbild (Jena)** 69(22):1153-62, 15 Nov 75 **(Ger)**

[Infections of the upper respiratory tract] Kup W. **Z Aerztl Fortbild (Jena)** 70(8):390-1, 15 Apr 76 **(Ger)**

[Extensive defects of development of the bronchial tree in children] Tatochenko VK, et al. **Pediatriia** (4):14-8, Apr 75 **(Rus)**

[Method of specific diagnosis of infections-allergic respiratory diseases] Adrianova NV, et al. **Sov Med** (8):71-4, Aug 75 **(Rus)**

[Use of the indirect hemadsorption method for detection of the infection of children with respiratory viruses] Cheburkin AV, et al. **Vopr Okhr Materin Det** 20(9):38-40, Sep 75 (Eng. Abstr.) **(Rus)**

[Postmortem diagnosis of mixed respiratory virus infections in children] Liarskaia TIa, et al. **Vopr Virusol** (1):88-94, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Recognition of influenza and other acute respiratory virus infections and their combinations by means of immunofluorescence] Liarskaia TIa, et al. **Vopr Virusol** (2):141-7, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Use of the immunofluorescence test in the differential diagnosis of acute and latent adenovirus infections in adult] Zhilina NN, et al. **Vopr Virusol** (4):480-4, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The bioavailability of oral penicillin V. A comparative study of the absorption of different salts of penicillin V in children. Bolme P, et al. **Acta Paediatr Scand** 65(2):253-6, Mar 76

Amoxicillin in the treatment of lower respiratory infections. May JR, et al. **Adv Clin Pharmacol** 7:85-90, 1974

Antibiotic treatment of respiratory sepsis. Chico Rizzo E. **Antibiot Chemother** 21:115-6, 1976

Letter: Reduction in the incidence of rheumatic fever. Gold H. **Aust Paediatr J** 11(2):93-4, Jun 75

Cephradine, a double-blind comparison with ampicillin in the treatment of chest infections. Ilea PB, et al. **Br J Clin Pract** 29(4):92-4, Apr 75

Amoxycillin in the treatment of respiratory tract infection in children. Price JD, et al. **Br J Clin Pract** 29(8):203-6, Aug 75

Activity of doxycycline against respiratory pathogens. Butzler JP. **Chemotherapy** 21 Suppl 1:116-20, 1975

Doxycycline in respiratory tract infections. Report of a retrospective study in Spain during the winter 1972-1973. Casado MJ. **Chemotherapy** 21 Suppl 1:76-90, 1975

Vibramycin programme in the United Kingdom. Winter 1973-1974. Ferguson GC. **Chemotherapy** 21 Suppl 1:143-8, 1975

Vibramycin in paediatrics. An evaluation of the onset of action and efficacy. Herz G, et al. **Chemotherapy** 21 Suppl 1:58-67, 1975

Treatment of acute respiratory tract infections with doxycycline in general practice. Luitse S, et al. **Chemotherapy** 21 Suppl 1:136-42, 1975

Human respiratory tract infections with mycoplasmas and their in vitro susceptibility to tetracyclines and some other antibiotics. Mårdh PA. **Chemotherapy** 21 Suppl 1:47-57, 1975

Doxycycline in respiratory tract infections. A review of a multi-centre trial. Meier J. **Chemotherapy** 21 Suppl 1:130-5, 1975

Doxycycline in the treatment of respiratory tract infections. Results of a pan-European multi-centre trial. Pestel M. **Chemotherapy** 21 Suppl 1:91-108, 1975

Therapy of infections with cefazolin. Schreiner A, et al. **Chemotherapy** 22(6):381-9, 1976

A multi-centre trial of alpha-6-desoxy-5-oxytetracycline (doxycycline). Serembe M. **Chemotherapy** 21 Suppl 1:121-9, 1975

Doxycycline in the treatment of upper and lower respiratory tract infections. A field trial. Titscher R. **Chemotherapy** 21 Suppl 1:109-15, 1975

Methacycline compared with ampicillin in acute bacterial exacerbations of chronic bronchitis. A double-blind crossover study. Chodosh S, et al. **Chest** 69(5):587-92, May 76

Comparison of erythromycin ethyl succinate, stearate and estolate treatments of group A streptococcal infections of the upper respiratory tract. Janicki RS, et al. **Clin Pediatr (Phila)** 14(12):1098-107, Dec 75

Comparison of cepharadine and cephalexin in the treatment of respiratory and urinary tract infections. Mogabgab WJ. **Curr Ther Res** 19(4):421-32, Apr 76

Treatment of respiratory infections. Burns MW. **Drugs** 10(5-6):437-50, 1975

Antibiotics used in sequence in the treatment of chronic Haemophilus influenzae respiratory infections. pp. 67-70. May JR.
In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.

Amoxicillin in the treatment of respiratory diseases in children. pp. 363-8. Jedlicĕková Z, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Pharmacological and clinical studies with cephacetrile as a treatment for lower respiratory tract infections. pp. 353-6. Thomas AL, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1.

New York, Plenum Press, 1976. W3 IN351 1975c.

Concentration of gentamicin in bronchial secretions of children with cystic fibrosis of tracheostomy. (Comparison between the intramuscular route, the endotracheal instillation and aerosolization). Baran D, et al. **Int J Clin Pharmacol Biopharm** 12(3):336–41, Oct 75

Clinico-pharmacological examination of gentamycin in thoracic surgery. Kiss JI, et al. **Int J Clin Pharmacol Biopharm** 12(3):372–80, Oct 75

Antibiotic management of cystic fibrosis. Raeburn JA. **J Antimicrob Chemother** 2(2):107–9, Jun 76

A perspective from controlled investigations of chemotherapy for viral respiratory infections. Jackson GG. **J Infect Dis** 133 Suppl:A83–92, Jun 76

Changing ideas on antiviral agents for respiratory infection. Tyrrell DA. **J Infect Dis** 133 Suppl:A79–82, Jun 76

Cepahlexin in respiratory tract infections. Store SD, et al. **J Postgrad Med** 21(3):121–30, Jul 75

Combination of sulphamethoxazole and trimethoprim (cotrimoxazole) in the treatment of lower respiratory tract infections. Store SD, et al. **J Postgrad Med** 21(3):114–20, Jul 75

Letter: Assessment of doxycycline. Clay WN. **NZ Med J** 83(560):208–10, 24 Mar 76

A review of antihistamines and the common cold. West S, et al. **Pediatrics** 56(1):100–7, Jul 75 (45 ref.)

Letter: Academic mischief. Wineberg JJ. **Pediatrics** 58(3):462–3, Sep 76

Bronchopulmonary aspergillosis—treatment with beclomethasone dipropionate. Hilton AM, et al. **Postgrad Med J** 51 Suppl 4:98–103, 1975

Cephazolin: a comparison to ampicillin in respiratory and urinary infections with dosage regulation by a nomogram. Benner EJ, et al. **Scott Med J** 20(5):244–7, SEP 76

Treatment of postoperative pulmonary infections. Bartlett JG. **Surg Clin North Am** 55(6):1355–60, Dec 75

Treatment with Sumetrolim in chronic non-specific respiratory tract infections. Cséri T, et al. **Ther Hung** 23(3):115–7, 1975

Examination on the therapeutic and preventive effect of Phlogosol solution in outpatient service. Gálos G. **Ther Hung** 22(4):180–3, 1974

Determination of drug concentrations in serum, urine and sputum in children's respiratory tract infections treated with Sumetrolim. Nevihosténvi G, et al. **Ther Hung** 23(2):67–70, 1975

[Some cephalosporin antibiotics in the treatment of respiratory diseases of children (author's transl)] Copová M, et al. **Cas Lek Cesk** 115(20–21):644–6, 28 May 76 (Eng. Abstr.) **(Cze)**

[Antibiotic concentrations of bronchial secretions during treatment of respiratory infections] Puchelle E, et al. **Lille Med** 21(2):149–56, Feb 76 **(Fre)**

[Clinical and bacteriological evaluation of minocycline in mucoviscidosis in children] Gilly R, et al. **Poumon Coeur** 30(5):375–82, 1974 (Eng. Abstr.) **(Fre)**

[Mechanisms of action of antibiotics currently used in pneumology] Glauser MP. **Rev Med Suisse Romande** 96(1):49–56, Jan 76 **(Fre)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Third communication: Clinical results of a field trial with CN 3123 in bronchopulmonary and ENT (ear/nose/throat) infections (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):671–3, 1976 (Eng. Abstr.) **(Ger)**

[The effect of a new broad-spectrum antibiotic in bronchopulmonar and urinary infections (author's transl)] Feldmeier. **Med Klin** 71:1192–6, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Clinical and experimental studies of DBED-Penicilline in bacterial airway-infections in children] Gädeke R. **Med Klin** 71(37):1497–9, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[Experiences with the antibiotic Celospor in a general department of internal medicine] Prohaska R. **Wien Med Wochenschr** Suppl 27:27, 1975 **(Ger)**

[Experiences with trimethoprim-sulfamethoxazole (Eusaprim) in the treatment of acute paranasal sinuses inflammations] Schmidt-Bäumler U. **Z Allgemeinmed** 51(20):924–5, 21 Jul 75 **(Ger)**

[Clinical study of the use of amoxicillin in pediatrics] Careddu P, et al. **Farmaco [Prat]** 30(8):374–81, Aug 75 (Eng. Abstr.) **(Ita)**

[Amoxicillin: microbiological, pharmacokinetic and therapeutic aspects] Motta G, et al. **Farmaco [Prat]** 30(8):357–73, Aug 75 (Eng. Abstr.) **(Ita)**

[Respiratory tract infections. Updating on the subject of oral antibiotic treatment with cephaloporins] **Minerva Med** 67(13):828–9, 17 Mar 76 **(Ita)**

[Clinical and therapeutic notes on dyspneizing bronchopneumopathies in the premature infant. Presentation of 24 cases treated with lincomycin] Canestri G, et al. **Minerva Pediatr** 27(1):39–72, 14 Jan 75 (Eng. Abstr.) **(Ita)**

[Clinical use of talampicillin in respiratory tract infections] Hiraga Y. **J Jpn Assoc Infect Dis** 49(11):477–84, Jul 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on talampicillin and its application in respiratory tract infections] Nasu M, et al. **J Jpn Assoc Infect Dis** 49(11):534–41, Jul 75 (Eng. Abstr.) **(Jpn)**

[Clinical trials with amoxicillin (Pasetocin 'Kyowa') on infections of respiratory apparatus (author's transl)] Horiuchi N, et al. **Jpn J Antibiot** 29(3):332–9, Mar 76 (Eng. Abstr.) **(Jpn)**

[Clinical results with amikacin (BB-K8) in respiratory infections (author's transl)] Ito T. **Jpn J Antibiot** 29(8):731–4, Aug 76 **(Jpn)**

[Clinical experience with amoxicillin (Pasetocin) for respiratory infections in children (author's transl)] Kurosu Y, et al. **Jpn J Antibiot** 28(5):675–8, Oct 75 **(Jpn)**

[Clinical studies on OE-7 chiefly in the treatment of acute respiratory infections (author's transl)] Sato M, et al. **Jpn J Antibiot** 28(6):758–66, Dec 75 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies on doxycycline intravenous solution (author's transl)] Soejima R, et al. **Jpn J Antibiot** 28(4):617–22, Aug 75 **(Jpn)**

[Clinical assessment of Fluimucil in the treatment of respiratory tract infections] Droszcz W, et al. **Pneumonol Pol** 44(4):339–42, 1976 (Eng. Abstr.) **(Pol)**

[Use of pivampicillin in the treatment of acute bacterial respiratory infections] Edelweiss EL, et al. **Rev Assoc Med Bras** 21(6):185–8, Jun 75 (Eng. Abstr.) **(Por)**

[Certain aspects of modern aerosol therapy] Likhachev AG, et al. **Vestn Otorinolaringol** (5):8–18, Sept-Oct 1974 **(Rus)**

[Inhalation of oxyglucocycline in the treatment of acute inflammatory diseases of the upper respiratory tract] Gevorkian EA. **Zh Eksp Klin Med** 15(6):66–9, 1975 **(Rus)**

[Experience in the treatment by means of oxyglucocycline of some inflammatory diseases of the upper respiratory tract] Pluzhnikov MS, et al. **Zh Ushn Nos Gorl Bolezn** (2):94–5, Mar-Apr 76 **(Rus)**

[Use of inhalation aerosols of propolis for the treatment of acute inflammatory disorders of the upper portion of the respiratory system] Psakhis BI, et al. **Zh Ushn Nos Gorl Bolezn** (2):92–3, Mar-Apr 76 **(Rus)**

[Our observations on the treatment with some cephalosporin antibiotics in children (author's transl)] Getlik A, et al. **Cas Lek Cesk** 115(20–21):636–8, 28 May 76 (Eng. Abstr.) **(Slo)**

[Clinical experience with a new cephalosporin: cefazolin. Preliminary experience] Castagueto HE, et al. **Rev Clin Esp** 140(2):171–6, 31 Jan 76 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Antiproteases of bronchial mucus] Lebas J, et al. **Lille Med** 21(2):136–9, Feb 76 **(Fre)**

ETIOLOGY

The pathogenesis of respiratory syncytial virus infection in infant ferrets. Prince GA, et al. **Am J Pathol** 82(2):339–52, Feb 76

Epidemiology of respiratory infection in the intensive care unit. López MM, et al. **Antibiot Chemother** 21:99–102, 1976

Respiratory virus disease in Malaysian children: a serological study. Ong SB, et al. **Bull WHO** 52(3):376–8, 1975

Potentiating effects of manganese dioxide on experimental respiratory infections. Maigetter RZ, et al. **Environ Res** 11(3):386–91, Jun 76

Antigenic characterization of intermediate adenovirus 14–11 strains associated with upper respiratory illness in a military camp. Hierholzer JC, et al. **Infect Immun** 13(2):354–9, Feb 76

Experimental production of respiratory tract infection with Mycoplasma pneumoniae in rhesus monkeys. Friedlaender RP, et al. **J Infect Dis** 133(3):343–6, Mar 76

Studies on the etiologic role of gram-negative bacilli in infections of the respiratory tract. Massalski W, et al. **Mater Med Pol** 8(1):65–74, Jan-Mar 76

Nosocomial respiratory syncytial virus infections. Hall CB, et al. **N Engl J Med** 293(26):1343–6, 25 Dec 75

An experimental correlation of sepsis, resuscitated hemorrhagic shock, and 'shock lung'. Esrig BC, et al. **Rev Surg** 33(2):143–6, Mar-Apr 76

[Bronchopulmonary infection in resuscitation in tracheotomized patients] Barale F, et al. **Ann Anesthesiol Fr** 15(3):177–85, 1974 (Eng. Abstr.) **(Fre)**

[Factors responsible for bacterial infections of the respiratory tract] Voisin C, et al. **Lille Med** 21(2):121–5, Feb 76 **(Fre)**

[Role of respiratory viruses in the etiology of bronchopulmonary diseases in newborn infants and small children] Ritowa WW, et al. **Paediatr Grenzgeb** 14(4):191–9, 1975 (Eng. Abstr.) **(Ger)**

[Acute respiratory tract infections—virological problems] Starke G. **Z Aerztl Fortbild (Jena)** 70(8):385–9, 15 Apr 76 **(Ger)**

[Tracheobronchomegaly] Weinberger A, et al. **Harefuah** 89(2):63–6, 15 Jul 75 (Eng. Abstr.) **(Heb)**

Editorial: Problems in infectious respiratory diseases] Kawamori Y. **Jpn J Thorac Dis** 13(6):321–2, Jun 75 **(Jpn)**

[Role of Candida albicans infections in the development of chronic non-specific respiratory diseases based on mycological, allergological and serological studies] Matusiewicz R. **Rocz Akad Med Bialymstoku** 20:3–16, 1975 (Eng. Abstr.) **(Pol)**

[Serological studies of the role of the respiratory syncytial virus in acute respiratory diseases in children] Vancea D, et al. **Rev Ig [Bacteriol]** 20(3):187–91, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

[Etiological structure of acute respiratory diseases in the influenza intraepidemic period] Lazareva TA, et al. **Pediatriia** (1):40–3, Jan 76 (Eng. Abstr.) **(Rus)**

[Respiratory diseases in poultry farmers] Karapata AP. **Sov Med** (12):130–1, Dec 75 **(Rus)**

[Etiology and specific prophylaxis of respiratory diseases in military personnel] Selivanov AA. **Voen Med Zh** (10):45–9, Oct 75 **(Rus)**

[Possible etiological differentiation of fatal cases in acute respiratory diseases by means of immunofluorescence and morphological methods] Tarasova LB, et al. **Vopr Okhr Materin Det** 20(9):41–6, Sep 75 **(Rus)**

[Etiology of acute and chronic diseases of the respiratory organs in children] Ostrovskiĭ AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):129–30, Apr 75 **(Rus)**

FAMILIAL & GENETIC

Tertiary trisomy 14: is there a syndrome? Pena SD, et al. **Birth Defects** 12(5):113–8, 1976

Respiratory syncytial virus infections within families. Hall CB, et al. **N Engl J Med** 294(8):414–9, 19 Feb 76

[Cytomegalovirus disease in twin infants] Gotlieb A, et al. **Harefuah** 90(8):364–5, 16 Apr 76 (Eng. Abstr.) **(Heb)**

IMMUNOLOGY

Associated seroconversions to respiratory viruses in volunteers with experimental influenza infection. Rudenko LG, et al. **Acta Virol (Praha)** 20(2):135–41, Apr 76

Studies on stimulation and properties of antiglobulin antibodies. III. Antiglobulin antibodies with different specificity in patients with bronchial asthma complicated by suppurative catarrh of the respiratory tract. Dudziak Z, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):353–9, 1975

Experimental host immune response in respiratory chlamydiosis. Muhtadi S, et al. **Can J Public Health** 67(3):227–31, May-Jun 76

Seroepidemiological studies of Polaris submarine crews. I. Acute respiratory infections. Sphar RL, et al. **Milit Med** 141(1):25–8, Jan 76

Cell-mediated immunity to respiratory syncytial virus induced by inactivated vaccine or by infection. Kim HW, et al. **Pediatr Res** 10(1):75–8, Jan 76

Phagocytic dysfunction as a cause of recurrent upper respiratory disease. Bernstein JM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 509–17, Jul-Aug 76

Local and systemic cell-mediated immunity in viral infection of the canine respiratory tract. Reif JS, et al. **Transplant Proc** 7(4):561–5, Dec 75

Introduction acute respiratory infections in military personnel. Evans AS. **Yale J Biol Med** 48(3):167–9, Jul 75

Serologic studies of acute respiratory infections in military personnel. Evans AS. **Yale J Biol Med** 48(3):201–9, Jul 75

[Immune mechanism in respiratory tract infections] Protivinsky R. **Hippokrates** 46(3):374–84, Aug 75 (30 ref.) **(Ger)**

[Respiratory tract infections of viral origin in infants. Examination of 103 serum pairs in autumn and following spring] Henigst W. **Med Klin** 70(45):1831–6, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Rapid diagnosis of respiratory viral disease by means of indirect immunofluorescence test] Baratta L, et al. **Ann Sclavo** 17(1):40–9, Jan-Feb 75 (Eng. Abstr.) **(Ita)**

[Frequency of serologic conversion of complement fixing antibodies FC by respiratory viruses in cases of acute juvenile respiratory disease] Martelli A. **G Batteriol Virol Immunol** 68(1–6):140–6, Jan-Jun 75 (Eng. Abstr.) **(Ita)**

[Immunology of pulmonary diseases. (I) Immunological studies of pathogenic factors in bacterial respiratory infections] Matsumoto K, et al. **Jpn J Thorac Dis** 13(9):505–14, Sep 75 (Eng. Abstr.) **(Jpn)**

[Viral infections] Okayasu M. **Jpn J Thorac Dis** 13(9):515–9, Sep 75 (Eng. Abstr.) **(Jpn)**

[Effect of vaccine therapy on production of humoral antibodies in children with recurrent respiratory tract infections] Chmielewska D, et al. **Pediatr Pol** 50(8):1009–15, Aug 75 (Eng. Abstr.) **(Pol)**

[Surface immunoglobulins of lymphocytes in infants with acute respiratory tract infections] Nowak J, et al. **Pediatr Pol** 50(10):1243–7, Oct 75 (Eng. Abstr.) **(Pol)**

[The dynamics of serum immunoglobulins in complicated and uncomplicated acute respiratory viral infections in children] Shkarenkova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):138–9, Nov 75 **(Rus)**

MICROBIOLOGY

A seven-year study of WHO virus laboratory reports on respiratory viruses. Assaad F, et al. **Bull WHO** 51(5):437–45, 1974

Activity of minocycline and tetracycline against respiratory pathogens related to blood levels. Wood MJ, et al. **J Antimicrob Chemother** 1(3):323–31, Sep 75

Comparison of rhinovirus-sensitive HeLa cells and human embryo fibroblasts for isolation of rhinoviruses from patients with respiratory disease. Lewis FA, et al. **J Clin Microbiol** 3(5):528–32, May 76

Epidemiologic study of a leukocyte-transforming agent in a general population. Sumaya CV. **J Clin Microbiol** 2(6):520–23, Dec 75

Rhinoviruses in Britain 1963–1973. Roebuck MO. **J Hyg (Camb)** 76(1):137–46, Feb 76
Letter: Non-group A beta0hemolytic streptococcal infection. Galland L. **JAMA** 235(20):2190, 17 May 76
The significance of Escherichia coli in the upper respiratory tract of children under 2 years of age. Barrie JD, et al. **Postgrad Med J** 51(596):373–81, Jun 75
Respiratory syncytial virus infections. Gardner PS. **Postgrad Med J** 49(577):788–91, Nov 73
Adenovirus infections. Pereira MS. **Postgrad Med J** 49(577):798–801, Nov 73
Quantitative tracheal cultures in surgical patients requiring mechanical ventilatory assistance. Polk HC Jr. **Surgery** 78(4):485–91, Oct 75
[Transtracheal puncture in the etiologic diagnosis of broncho-pulmonary infections] De Koster JP, et al. **Lille Med** 21(2):108–15, Feb 76 **(Fre)**
[Quantitative bacteriology of sputum: attempt at interpretation of the pathogenic role of identified germs] Martin G, et al. **Lille Med** 21(2):92–6, Feb 76 **(Fre)**
[Value of transtracheal puncture in the diagnosis of infectious pneumopathies caused by gram-negative bacilli (excluding haemophilus)] Schoutens E, et al. **Lille Med** 21(2):144–8, Feb 76 **(Fre)**
[Study of specific serum precipitins in bacterial infections of the respiratory tract] Tonnel AB, et al. **Lille Med** 21(2):116–20, Feb 76 **(Fre)**
[Investigations on production of spheroplasts in different species of the genus Haemophilus isolated from pathological material of the respiratory tract (author's transl)] Hansen W, et al. **Pathol Biol (Paris)** 24(4):241–3, Apr 76 (Eng. Abstr.) **(Fre)**
[Virus infections of the respiratory tract in childhood (author's transl)] Mietens C. **Immun Infekt** 3(2):65–71, Apr 75 (Eng. Abstr.) **(Ger)**
[Mycoplasma in inflammatory diseases of the resporatory tract (author's transl)] Meier J, et al. **Munch Med Wochenschr** 117(37):1469–74, 12 Sept 75 (46 ref.) (Eng. Abstr.) **(Ger)**
[Virologic longitudinal study in chronic respiratory tract diseases. II. Isolation of viruses] Wagner D. **Munch Med Wochenschr** 118(26):847–8, 25 Jun 76 **(Ger)**
[Practical importance of quantitative bacteriology in pneumology. Preliminary studies] Corda M. **Ann Sclavo** 17(3):354–84, May–Jun 75 (Eng. Abstr.) **(Ita)**
[Supplementary notes on securing sputum washing and bacterial culture methods for the purpose of isolating the causative agents in respiratory infections] Hada M. **J Jpn Assoc Infect Dis** 49(5):187–224, May 75 (Eng. Abstr.) **(Jpn)**
[Problems concerning respiratory tract infections] Tanimoto S, et al. **Jpn J Bacteriol** 30(1):271, Jan 75 **(Jpn)**
[The role of some microorganisms in the pathogenesis of non-specific bronchopulmonary infections] Pniewski T. **Pol Arch Med Wewn** 55(3):273–83, 1976 (65 ref.) **(Pol)**
[Mycobacteriosis in humans caused by M. kansasii] Kubin M, et al. **Probl Tuberk** (6):55–9, 1975 (Eng. Abstr.) **(Rus)**
[Respiratory viruses and mycoplasms in the pathology of the respiratory organs] Zlydnikov DM. **Ter Arkh** 47(3):3–8, 1975 **(Rus)**
[Human rhinoviruses circulating in Moscow (author's transl)] Dreizin RS, et al. **Vopr Virusol** (5):592–7, Sept–Oct 75 (Eng. Abstr.) **(Rus)**
[Development of optimal conditions for isolation of rhinoviruses] Dreizin RS, et al. **Vopr Virusol** (2):177–83, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Viremia in respiratory syncytial virus infection] Iankevich OD, et al. **Vopr Virusol** (4):455–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Lipid composition of cellular systems following viral infection of the upper respiratory tract. II. Determination of the content of total lipids, phospholipids and neutral lipids in cells infected with respiratory viruses] Mentel R, et al. **Vopr Virusol** (2):224–6, Mar–Apr 75 **(Rus)**
[Lipid composition of cellular systems following respiratory virus infection. III. Determination of fatty acid composition by gas chromatography] Müller D, et al. **Vopr Virusol** (2):227–30, Mar–Apr 75 **(Rus)**
[Variations of microbial sensitivity in lower respiratory tract infections] Aguerre MM, et al. **Hoja Tisiol** 28(1–2):41–76, 1971 (Eng. Abstr.) **(Spa)**
[Nocardia isolated from the respiratory tract] De Guerra CA, et al. **Rev Asoc Argent Microbiol** 7(1):1–9, Jan–Apr 75 (Eng. Abstr.) **(Spa)**
[Aerobic Actinomycetes] Ales JM, et al. **Rev Clin Esp** 140(3):211–6, 15 Feb 76 (Eng. Abstr.) **(Spa)**
[Sensitivity of the microflora isolated from children with diseases of the respiratory tracts to decamethoxine and antibiotics] Palii GK, et al. **Mikrobiol Zh** 36(3):347–9, May–Jun 74 (Eng. Abstr.) **(Ukr)**
[Characteristics of the RS-viruses isolated in Kharkov during a period of a rise in the incidence of acute respiratory infections (1974–1975)] Teslenko-Ponomarenko EF, et al. **Mikrobiol Zh** 38(3):334–7, 1976 (Eng. Abstr.) **(Ukr)**

NURSING

Infection Vs. home therapy in COPD. Keeling B. **J Ky Med Assoc** 73(10):548–9, Oct 75
Nurse practitioner management of common respiratory and genitourinary infections, using protocols. Komaroff AL, et al. **Nurs Res** 25(2):84–9, Mar–Apr 76

OCCURRENCE

Surveillance techniques for respiratory illness. Tager IB, et al. **Arch Environ Health** 31(1):29–32, Jan–Feb 76
Mycoplasma pneumoniae infections in infants and children. Gupta U, et al. **Indian J Med Res** 63(3):385–9, Mar 75
Sero-epidemiological survey of respiratory syncytial virus infection in Pondicherry area--South India. Madhavan HN, et al. **Indian J Med Res** 62(12):1804–7, Dec 74
Respiratory virus infections in India. Agarwal SC. **Indian J Pathol Microbiol** 18(3):123–9, Jul 75
Respiratory virus infections in Delhi and neighbouring areas. Balaya S. **Indian J Pathol Microbiol** 18(3):130–1, Jul 75
Study of morbidity in preschool children of rural Hyderabad in relation to family size and birth interval. Kumar A, et al. **Indian Pediatr** 13(2):123–6, Feb 76
The incidence and aetiology of respiratory tract infections in general practice--with emphasis on Mycoplasma pneumoniae. Mardh PA, et al. **Infection** 4(1 SUPPL):40–8, 1976
Reported morbidity and the weather. Peacock JB, et al. **J R Coll Gen Pract** 25(153):247–51, Apr 75
Respiratory illness in preschool children with different forms of day care. Strangert K. **Pediatrics** 57(2):191–6, Feb 76
Physical hazards. Lawther PJ, et al. **Postgrad Med J** 51 Suppl 2:suppl 51: 5–9, 1975
Respiratory virus infections in travellers. Tyrrell DA. **Postgrad Med J** 51(602):843–4, Dec 75
Incidence of coronavirus OC43 antibodies among the population of Romania. Sărăţeanu D, et al. **Rev Roum Virol** 25(3):255–8, 1974
[Several acute respiratory diseases and influenza incidence in the region served by the First Municipal Hospital, Sofia] Chemishanski G. **Vutr Boles** 13(6):104–15, 1974 (Eng. Abstr.) **(Bul)**
[Serious illness of the respiratory tract in gravidity (author's transl)] Fialová V, et al. **Cesk Gynekol** 41(4):249–50, Jun 76 **(Cze)**
[Calendar for the documentation of respiratory tract infections and for therapeutic effectiveness statistics] Schönfeld K. **Z Gesamte Hyg** 20(12):889–90, Dec 74 (Eng. Abstr.) **(Ger)**
[Influenza and acute respiratory tract infections of non-influenza etiology] Evdoshenko VG. **Zdravookhr Kirg** (2):35–9, Mar–Apr 75 **(Rus)**
[Influenza and acute respiratory diseases of non-influenza etiology] Evdoshenko VG. **Zdravookhr Kirg** (2):35–9, Mar–Apr 75 **(Rus)**
[Proportion and intensity parameters of the incidence of acute respiratory infections during influenza epidemic and interepidemic periods] Mikutskaia BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):128–9, Nov 75 **(Rus)**

PATHOLOGY

Histopathology of aspergillosis of the respiratory system. pp. 75–87. Symmers WS.
In: de Haller R, Suter F, ed. Aspergillosis and farmer's lung in man and animal. Bern, Huber, 1974. W3 DA266 1971a.

PHYSIOPATHOLOGY

Ventilatory defects in atypical mycobacteriosis. A comparison study with tuberculosis. Ahn CH, et al. **Am Rev Respir Dis** 113(3):273–9, Mar 76
Effects of rhinovirus infection of pulmonary function of healthy human volunteers. Blair HT, et al. **Am Rev Respir Dis** 114(1):95–102, Jul 76
Mechanisms of bronchial hyperreactivity in normal subjects after upper respiratory tract infection. Empey DW, et al. **Am Rev Respir Dis** 113(2):131–9, Feb 76
[The reaction of the secretory elements of the mucosa of the upper respiratory tract from physiological and pathophysiological aspects (author's transl)] Werner E. **Z Erkr Atmungsorgane** 143(3):234–8, Jun 75 (Eng. Abstr.) **(Ger)**
[Physiopathology and clinical aspects of respiratory tract infections. Review] Miti L, et al. **Minerva Med** 67(22):1436–45, 5 May 76 (27 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Of being properly clothed. Burch GE. **Am Heart J** 90(4):537, Oct 75
Basic principles and stages in testing new vaccines against respiratory viruses. Zykov MP, et al. **Am Rev Respir Dis** 113(1):61–6, Jan 76
Respiratory sepsis: prophylaxis. Gómez Lus R. **Antibiot Chemother** 21:117–20, 1976
Breast-feeding protects against respiratory syncytial virus infections. Downham MA, et al. **Br Med J** 2(6030):274–6, 31 Jul 76
Endotracheal antibiotics for the prevention of tracheobronchial infections in tracheotomized unconscious patients. A comparative study of gentamicin and aminosidin-polymyxin B combination. Klastersky J, et al. **Chest** 68(3):302–6, Sep 75
These technics reduce mortality rate in I.C.U. Epstein SW. **Hosp Top** 53(6):18, Nov–Dec 75
Effect of a topical interferon inducer on rhinovirus infections in volunteers. Stanley ED, et al. **J Infect Dis** 133 Suppl:A121–127, Jun 76
The vulnerable child. Colley JR. **J R Coll Gen Pract** 25(153):257–62, Apr 75
Levamisole in prevention of recurrent upper-respiratory-tract infections in children. Van Eygen M, et al. **Lancet** 1(7956):382–5, 21 Feb 76
Letter: The benefits of exercise. Aitchison WR. **NZ Med J** 82(549):246–7, 8 Oct 75
[On the problems of acute diseases of upper respiratory tract (author's transl)] Mašek K. **Cas Lek Cesk** 114(49):1511–5, 5 Dec 75 (Eng. Abstr.) **(Cze)**
[Immunological prevention of bronchial infectious crisis among the persons suffering from chronic bronchitis. Theoretical bases and practical applications (author's transl)] Voisin C, et al. **Acta Tuberc Pneumol Belg** 66(3):254–66, May–Jun 75 (Eng. Abstr.) **(Fre)**
[Bronchopulmonary infection and antibiotherapy in a polyvalent resuscitation department] Lareng L, et al. **Ann Anesthesiol Fr** 15(3):193–8, 1974 (Eng. Abstr.) **(Fre)**
[Prodigiosin in the overall therapy of dysentery and in the prevention of intrahospital viral respiratory infection in children] Zlatkovskaia NM, et al. **Antibiotiki** 20(4):365–9, Apr 75 (Eng. Abstr.) **(Rus)**
[Preventive asepsis of the pleural cavity following pneumonectomy using fibrinolytic agents] Kostiuchenko AL, et al. **Klin Khir** (11):23–7, Nov 75 (Eng. Abstr.) **(Rus)**
[Information on interferon, interferonogens, and their importance in pediatric practice (literature data)] Lebedev DD. **Pediatrila** (1):76–8, Jan 74 **(Rus)**
[Present status of the problem of vaccinoprophylaxis against influenza and acute respiratory diseases] Aleksandrova GI, et al. **Vestn Akad Med Nauk SSSR** (4):37–45, 1975 (Eng. Abstr.) **(Rus)**
[Use of interferon for prevention of acute respiratory viral diseases in children's collectives (literature survey)] Turgunbaev OT. **Zdravookhr Kirg** (5):57–9, Sep–Oct 75 **(Rus)**
[Prevention of the spread of acute respiratory diseases in preschool children's establishments] Turgunbaev OT, et al. **Zdravookhr Kirg** (4):6–9, Jul–Aug 76 **(Rus)**
[Anticatarrh vaccine--to what use?] Heller L. **Lakartidningen** 73(21):2007–8, 19 May 76 **(Swe)**

RADIOGRAPHY

Radiologic seminar CLIX: pulmonary overaeration in infancy. Blumenthal BI. **J Miss State Med Assoc** 17(2):39–43, Feb 76
[Respiratory nocardiosis] Ales Reinlein JM, et al. **Rev Clin Esp** 140(6):511–8, 31 Mar 76 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

[Combined use of ultraviolet radiation for the control of acute respiratory diseases] Beliaev II, et al. **Vestn Akad Med Nauk SSSR** (3):37–41, 1975 (Eng. Abstr.) **(Rus)**

SURGERY

[Thoracotomy in the acute phase of pleuro-pulmonary staphylococcal infections in young infants and children (author's transl)] Ribet M, et al. **Ann Chir Thorac Cardiovasc** 15(1):35–40, Jan 76 (Eng. Abstr.) **(Fre)**

THERAPY

Vaccine and Mycostatin in treatment of cryptococcosis of the respiratory tract. Bemmer AM, et al. **Sabouraudia** 14(2):171–9, Jul 76
[Problems of etiotropic therapy of influenza and other respiratory viral infections] Nosov SD. **Pediatrila** (1):3–8, Jan 74 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Progress in virology. Pathways in the progression of respiratory tract invasions. St. Geme JW Jr.. **Clin Pediatr (Phila)** 15(2):164–8, FEB 76
[The relationship between the mechanisms of transmission and the pathogenesis of respiratory viral infections] Demikhovskiĭ EI. **Zh Mikrobiol Epidemiol Immunobiol** (11):5–12, Nov 75 (72 ref.) **(Rus)**

VETERINARY

Immunity to equine herpesvirus type 1 (rhinopneumonitis): in vitro lymphocyte response. Wilks CR, et al. **Am J Vet Res** 37(5):486–92, May 76
Adenovirus respiratory infection in turkey poults. Blalock HG, et al. **Avian Dis** 19(4):707–16, Oct–Dec 75
Isolation and identification of a turkey respiratory adenovirus. Simmons DG, et al. **Avian Dis** 20(1):65–74, Jan–Mar 76
Feline respiratory infections--a clinical review. Povey RC. **Can Vet J** 17(4):93–100, Apr 76 (45 ref.)
Comparative studies on parenteral and intranasal inoculation of an attenuated feline herpes virus. Slater E, et al. **Dev Biol Stand** 33:410–6, 1976
Serological detection of equid herpesvirus 1 infections of the respiratory tract. Thomson GR, et al. **Equine Vet J** 8(2):58–65, Apr 76
[Diagnosis and prophylaxis of the most important infectious diseases of the respiratory tract in the horse (author's transl)] Thein P. **Folia Vet Lat** 4(3):455–85, Jul–Sep 74 **(Eng, Ita)**
Some problems arising during the characterization of

mycoplasmas from the equine respiratory tract. pp. 153–9. Lemcke RM, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

The occurrence of Mycoplasma arthritidis in the throat and middle ear of rats with chronic respiratory disease. Stewart DD, et al. **Lab Anim Sci** 25(6):769–73, Dec 75

Vaccination programs for bovine respiratory diseases. Kahrs RF. **Mod Vet Pract** 57(1):29–32, Jan 76

Viral respiratory infections. Kemen MJ. **Mod Vet Pract** 57(4):304–7, Apr 76 (21 ref.)

Isolation and properties of reovirus from cattle in an outbreak of acute respiratory disease. Kurogi H, et al.
Natl Inst Anim Health Q (Tokyo) 16(2):39–48, Summer 76

Experimental respiratory disease in dogs due to Bordetella bronchiseptica. Thompson H, et al. **Res Vet Sci** 20(1):16–23, Jan 76

Infectious respiratory diseases of cats. Kahn DE, et al.
Vet Clin North Am 6(3):399–413, Aug 76 (11 ref.)

Naturally-occurring Sendai virus infection of athymic nude mice. Ward JM, et al. **Vet Pathol** 13(1):36–46, 1976

Isolation of parainfluenza virus SV5 from dogs with respiratory disease. Cornwell HJ, et al. **Vet Rec** 98(15):301–2, 10 Apr 76

[Experimental bedsonia infections in calf. 2. Pathomorphologic studies] Ilchmann G.
Arch Exp Veterinaermed 29(3):401–10, Jun 75 (Eng. Abstr.) **(Ger)**

[Feline viral rhinotracheitis in Japan—Isolation of herpes type virus and pathologic picture (author's transl)] Doi K, et al. **Jpn J Vet Sci** 37(3):281–92, Jun 75 (Eng. Abstr.) **(Jpn)**

[Increasing the resistance to and prevention of respiratory diseases of cattle by means of ultraviolet irradiation] Porokhov FF, et al. **Veterinariia** (12):93–5, Dec 75 **(Rus)**

RESPIRATORY TRACT NEOPLASMS

[Distant metastases in carcinomas of the upper airways and digestive tract (author's transl)] Lerinck P, et al.
Acta Chir Belg 75(2):200–11, Mar 76 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Mortality patterns among workers exposed to chloromethyl ethers—a preliminary report. Albert RE, et al.
Environ Health Perspect 11:209–14, Jun 75

Effects of different dusts on respiratory carcinogenesis in hamsters induced by benzo (a) pyrene and diethylnitrosamine. Sellakumar A, et al. **Eur J Cancer** 12(4):313–9, Apr 76

Production of respiratory tract tumors in hamsters by benzo(a)pyrene. Kobayashi N. **Gann** 66(3):311–5, Jun 75

Carcinogenic effect of 2,2'-dimethyldipropylnitrosamine in Syrian hamsters. Althoff J, et al. **J Natl Cancer Inst** 55(5):1209–11, Nov 75

A study of tobacco carcinogenesis. XIV. Effects of N'-nitrosonornicotine and N'-nitrosonanabasine in rats. Hoffmann D, et al. **J Natl Cancer Inst** 55(4):977–81, Oct 75

Transplacental effects of diethylnitrosamine in Syrian hamsters as related to different days of administration during pregnancy. Mohr U, et al. **J Natl Cancer Inst** 55(3):681–3, Sep 75

Carcinogenic and cocarcinogenic effects of inhaled synthetic smog and ferric oxide particles. Nettesheim P, et al.
J Natl Cancer Inst 55(1):159–69, Jul 75

Smoking and occupational cancers. Hoffmann D, et al.
Prev Med 5(2):245–61, Jun 76

COMPLICATIONS

[Flow-volume curves in the naso-laryngeal obstructive syndrome as compared with those of a group of normal subjects] Olariu B, et al. **Rev Chir [Otorinolaringol]** 21(1):13–22, Jan-Mar 76 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

[Comparison between expectorations and transtracheal aspiration (author's transl)] Geerts L.
Acta Tuberc Pneumol Belg 65(5):469–77, Sep-Oct 74 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Enzymes of nuclease and proteolytic action in the overall therapy of cancer of the upper respiratory tracts] Opanashchenko GA, et al. **Zh Ushn Nos Gorl Bolezn** (5):56–62, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Respiratory carcinogenesis: an epidemiologic appraisal. Fraumeni JF Jr. **J Natl Cancer Inst** 55(5):1039–46, Nov 75 (98 ref.)

[Relations between atmospheric pollution and the respiratory tract] Petraglia A, et al. **Minerva Med** 67(6):406–10, Feb 76 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Cigarette smoking in Latin America—A survey of eight cities. Joly DJ. **Bull Pan Am Health Organ** 9(4):328–44, 1975

[Epidemiology of malignant tumors of the upper respiratory tract in the Irkutsk region] Shanturov AG, et al.
Vestn Otorinolaringol (6):86–9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The cytopathology of the respiratory tract. A review. Johnston WW, et al. **Am J Pathol** 84(2):317–424, Aug 76 (379 ref.)

RADIOTHERAPY

Non-Hodgkin's malignant lymphomata of upper digestive and respiratory tract: natural history and results of radiotherapy. Brugère, et al. **Br J Cancer** 31 SUPPL 2:435–40, Mar 75

REHABILITATION

[Rehabilitation of patients with malignant tumors of the respiratory system] Midžić S, et al.
Plucne Bolesti Tuberk 27(4):242–6, Oct-Dec 75 (Eng. Abstr.) **(Cro)**

RESPONSE INTERFERENCE see under **COGNITION DISORDERS**

RESPONSE LATENCY see under **REACTION TIME**

RESPONSE TIME see **REACTION TIME**

REST

Development of osteopenia in the fourth lumbar vertebra during prolonged bed rest after operation for scoliosis. Hansson TH, et al. **Acta Orthop Scand** 46(4):621–30, Sep 75

Work scheduling under normal and prolonged-vibration environments. Khalil TM, et al. **Am Ind Hyg Assoc J** 37(3):174–82, Mar 76

Relationship of resting EMG level to total body metabolism with reference to the origin of 'tissue noise'. deVries HA, et al. **Am J Phys Med** 55(3):139–47, Jun 76

The skin temperature distribution for resting man in comfort. Olesen BW, et al. **Arch Sci Physiol (Paris)** 27(4):385–93, 1973

Crew rest and nap-of-the-eart flying. Berliner DS.
Aviat Space Environ Med 46(10):1267–70, Oct 75

Hemodynamics, renal function, plasma renin, and aldosterone in man after 5 to 14 days of bedrest. Melada GA, et al.
Aviat Space Environ Med 46(8):1049–55, Aug 75

Changes in glucose, insulin, and growth hormone levels associated with bedrest. Vernikos-Danellis J, et al.
Aviat Space Environ Med 47(6):583–7, Jun 76

The effect of rest and intravenous infusion of hypertonic dextrose on subnormal estriol excretion in pregnancy. Beischer NA, et al. **Clin Perinatol** 1(2):253–72, Sep 74

Catecholamines and adrenal cortex during bed rest. p. 529. Tigranyan RT, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Plasma vasopressin and renin activity in women exposed to bed rest and +Gz acceleration. Keil LC, et al.
J Appl Physiol 40(6):911–4, Jun 76

A method for monitoring spontaneous locomotor activity and resting behavior in fishes. Hafeez MA, et al.
Physiol Behav 16(2):217–21, Feb 76

T wave amplitude stability during sinus arrhythmia in the resting man. Matyas TA. **Physiol Behav** 16(1):115–7, Jan 76

Hydroelectrolytic changes caused by prolonged clinical recumbency. Groza P, et al. **Physiologie** 13(1):19–23, Jan-Mar 76

Effects of exercise, bedrest and napping on performance decrement during 40 hours. Lubin A, et al.
Psychophysiology 13(4):334–9, Jul 76

Management of cardiomyopathy with bed rest. Burch GE, et al. **Recent Adv Stud Cardiac Struct Metab** 2:783–95, 1973

Changes of reactive hyperaemia after clinical bed rest for seven days. Friman G, et al. **Ups J Med Sci** 81(2):79–83, 1976

[Effect of rest on the course of viral hepatitis] Laverdant C, et al. **Sem Hop Paris** 51(15):1001–7, 26 Mar 75 (Eng. Abstr.) **(Fre)**

[The possibilities of self-rationalization] Heinrich E. **ZWR** 83(10):538–40, 25 May 74 **(Ger)**

[Programming of rest] **Minerva Med** 66(68 Suppl):29–30, Oct 75 **(Ita)**

[Analysis of traffic at AMHTS (automated multiphasic health testing and services) centers] Ueno H.
Jpn J Med Electron 13(3):148–53, 30 Jun 75 (Eng. Abstr.) **(Jpn)**

[Effect of sodium oxybutyrate, phenamin, transamine and L-dopa on the processes of work capacity recovery under conditions of minimal rest] Kurochkin IG, et al.
Farmakol Toksikol 38(5):559–62, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Circadian periodicity of blood coagulation system indices and the hormonal activity of the adrenals in healthy persons (under conditions of rest and of stressed work)] Deriagina GP, et al. **Fiziol Zh SSSR** 61(10):1564–72, Oct 75 (Eng. Abstr.) **(Rus)**

[Experimental data for elaboration of a rational regimen of labour and rest of persons working with a high frequency mechanized instrument] Mikulinskiĭ AM, et al.
Gig Sanit (12):38–42, Dec 75 (Eng. Abstr.) **(Rus)**

[Development of intrashift work and rest regimens for workers in jobs with a vibration hazard] Ellanskiĭ IuG, et al. **Gig Tr Prof Zabol** (4):13–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Substantiation of the intrashift work and rest regimen for workers in transformer plants] Kushnirova NI, et al.
Gig Tr Prof Zabol (7):42–5, Jul 75 **(Rus)**

[Physiological justification of a rational work and rest regimen for construction workers in the summer under the climatic conditions of Central Asia] Salikhodzhaev SS, et al. **Gig Tr Prof Zabol** (10):43–5, Oct 74 **(Rus)**

[Climatic evaluation of a territory for the organization of rest and recreation] Aleshina TP, et al.
Vopr Kurortol Fizioter Lech Fiz Kult (1):10–5, Jan-Feb 75 **(Rus)**

[Rest in post-streptococcal acute diffuse glomerulonephritis] Lagomarsino E, et al. **Rev Chil Pediatr** 46(2):95–9, Mar-Apr 75 (Eng. Abstr.) **(Spa)**

[Changes in the functional state of the central nervous system and motor apparatus of sportsmen with different activity—rest regimes] Levakovs'kyĭ PL, et al.
Fiziol Zh 21(5):675–81, Sep-Oct 75 (Eng. Abstr.) **(Ukr)**

REST VERTICAL DIMENSION see **VERTICAL DIMENSION**

RESTAURANTS

Fast foods for adolescents. nutritional disaster or triumph of technology? Finberg L. **Am J Dis Child** 130(4):362–3, Apr 76

Bacterial growth in seafoood on restaurant premises. Venkataramaiah N, et al. **Can J Microbiol** 21(11):1788–97, Nov 75

[Letter: 'Chinese restaurant syndrome'] Glatzel H.
Dtsch Med Wochenschr 100(41):2126, 10 Oct 75 **(Ger)**

RESTLESS LEGS

CHEMICALLY INDUCED

Letter: Restless legs: precipitated by beta blockers, relieved by orphenadrine. Morgan LK. **Med J Aust** 2(19):753, 8 Nov 75

DIAGNOSIS

Letter: Which extremity? Patten BM. **JAMA** 233(13):1357, 29 Sep 75

[Peculiar involuntary movement of the toes associated with discomfort of the foot, a case of so-called 'painful legs and moving toes'] Okamoto S, et al.
Clin Neurol (Tokyo) 14(11):829–34, Nov 74 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Letter: Myoclonus in familial restless legs syndrome. Gersh DB. **Arch Neurol** 33(8):590, AUG 76

ETIOLOGY

Letter: Iron deficiency and restless legs. Matthews WB.
Br Med J 1(6014):898, 10 Apr 76

Cholesterol crystal microembolization: a cause of the restless leg syndrome. Harvey JC. **South Med J** 69(3):269–72, Mar 76

FAMILIAL & GENETIC

Myoclonus in familial restless legs syndrome. Boghen D, et al. **Arch Neurol** 33(5):368–70, May 76

Editorial: Restless legs syndrome. Hussey HH. **JAMA** 235(20):2224, 17 May 76

PHYSIOPATHOLOGY

Proceedings: The restless legs syndrome. A clinical and polygraphic study. Le Van Thanh, et al.
Electroencephalogr Clin Neurophysiol 39(5):545, Nov 75

RESUSCITATION

Brain energy metabolism during the process of dying and after cardiopulmonary resuscitation. Nilsson L, et al.
Acta Anaesthesiol Scand 20(1):57–64, 1976

Physician education in cardiopulmonary resuscitation. Duke M. **Am Heart J** 90(3):406–7, Sep 75

The mechanics of widespread training of cardiopulmonary resuscitation. A community project implemented by volunteers. Flax P, et al. **Am Heart J** 91(1):123–5, Jan 76

The passage. Palen CS. **Am J Nurs** 75(11):2004–5, Nov 75

An evaluation of emergency cardiopulmonary resuscitation procedures in a teaching hospital. Parsons WR.
Am Surg 41(9):546–9, Sep 75

Objectives for undergraduate education in resuscitation and anaesthesia for children. Fisk GC.
Anaesth Intensive Care 3(4):312–6, Nov 75

The use of protease inhibitor (trasylol) and heparin in cardiorespiratory resuscitation. I. Studies of the blood clotting system. Gaszyński W.
Anaesth Resusc Intensive Ther 3(2):125–34, Apr-Jun 75

Use of protease inhibitor (trasylol) and heparin in cardiorespiratory resuscitation. II. Gasometric investigations of arterial blood. Gaszynski W.
Anaesth Resusc Intensive Ther 3(3):203–11, Jul-Sep 75

Current paths of development in reanimatology. Negovsky V. **Anaesth Resusc Intensive Ther** 3(2):91–9, Apr–Jun 75

Immediate care of cardiac emergencies. Chamberlain DA, et al. **Anaesthesia** 31(6):758–63, Jul 76

The adequacy of oxygenation during cardio–pulmonary resuscitation. Heifetz M, et al. **Anaesthesist** 25(2):56–9, Feb 76

The ineffectiveness of steroid therapy for treatment of fresh–water near–drowning. Calderwood HW, et al. **Anesthesiology** 43(6):642–50, Dec 75

Sepsis, resuscitated hemorrhagic shock and 'shock lung:' An experimental correlation. Esrig BC, et al. **Ann Surg** 182(3):218–27, Sep 75

Topography of lesions in newborn and infant brains following cardiac arrest and resuscitation. Damage to brain and hemispheres. Dambska M, et al. **Biol Neonate** 29(3–4):194–206, 1976

Urban mobile resuscitation: training and service. Baskett PJ, et al. **Br J Anaesth** 48(4):377–85, Apr 76

Letter: Mobile resuscitation units. **Br Med J** 1(6010):650–1, 13Mar 76

Resuscitation teaching room in a district general hospital: concept and practice. Baskett PJ, et al. **Br Med J** 1(6009):568–71, 6 Mar 76

Percutaneous transtracheal ventilation for anaesthesia and resuscitation: a review and report of complications. Smith RB, et al. **Can Anaesth Soc J** 22(5):607–12, Sep 75 (12 ref.)

Successful resuscitation of two near simultaneous cases of cardiac arrest with a review of fifteen cases occurring during supervised exercise. Mead WF, et al. **Circulation** 53(1):187–9, Jan 76

Resuscitation of the newborn. DeVore JS. **Clin Obstet Gynecol** 19(3):607–17, Sep 76

Fluid resuscitation following injury: rationale for the use of balanced salt solutions. Carrico CJ, et al. **Crit Care Med** 4(2):46–54, Mar–Apr 76

Algorithm for resuscitation: a systematic plan for immediate care of the injured or postoperative patient. Shoemaker WC. **Crit Care Med** 3(3):127–30, May–Jun 75

Comparison of the relative effectiveness of whole blood transfusions and various types of fluid therapy in resuscitation. Shoemaker WC. **Crit Care Med** 4(2):71–8, Mar–Apr 76

Is it legitimate to interrupt resuscitation? pp. 531–8. Aguado Matorras A.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Electronics in anaesthesiology and resuscitation. Trend prediction and patient monitoring. pp. 597–600. Bushman JA, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Ethical aspects of resuscitation. Brain death. pp. 756–60. Coutinho AC.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Ethical aspects of resuscitation. Introduction. p. 745. de la Feria R.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Psychological and ethical aspects of reanimation. pp. 746–8. Fernandes BH.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

A training scheme for resuscitation technique at Ullevål Hospital, Oslo, Norway. pp. 864–5. Lund I, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Electronics in anaesthesiology and resuscitation. Simple monitoring systems. pp. 601–3. Nalda MA.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

The validity of starting resuscitation. pp. 749–50. Nalda MA.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Current paths of development in reanimatology. pp. 823–8. Negovsky V.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Undergraduate training in anaesthesia, resuscitation and acute medicine. pp. 562–5. Zindler M.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Practical pharmacology during cardiopulmonary resuscitation. pp. 137–47. Hirschman JC.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

A review of basics in cardiopulmonary resuscitation. pp. 131–6. Hirschman JC.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Cardiopulmonary resuscitation. pp. 159–61. Lazzara R.
In: Gordon MS, ed. Self–assessment in clinical cardiology II. Chicago, Year Book Medical Publishers, 1976. W3 SE38.

Experiences with CPR training of the general public. pp. 33–7. Alvarez H 3d, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Cardiac experience. Jacksonville rescue branch February 1973. p. 183. Baker R, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Evaluation of training volunteer ambulance attendants in advanced life support. pp. 29–31. Benson DM, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Public education in heart–lung resuscitation. Evaluation of three self–training methods in teenagers. pp. 13–23. Berkebile P, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

The role of the American Heart Association in relation to its affiliates and chapters in CPR and ECC programming. pp. 255–6. Burnap TK.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Fixed life support stations at large public gatherings. pp. 157–65. Carveth SW, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Reduction of community mortality from coronary artery disease after initiation of prehospital cardiopulmonary resuscitation and emergency cardiac care. pp. 193–6. Crampton RS, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Diagnosis and management of cardiac arrest in a general hospital. pp. 59–61. da Luz PL, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Fixed life support station in an industrial location. pp. 167–8. Easley RM, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Cardiopulmonary resuscitation and emergency medical systems: the role of the National Institutes of Health and the National Heart and Lung Institute. pp. 263–4. Frommer PL.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

CPR during patient loading and movement. pp. 91–6. Hampton AG Jr.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Factors affecting resuscitation from electric shock. pp. 73–5. Knickerbocker GG.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973. (8 ref.)

Is cardiac resuscitation worthwhile? PP. 63–6. Lemire J, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Long–term survival following prehospital resuscitation from ventricular fibrillation. pp. 227–8. Lewis AJ, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Resuscitation of cardiac arrest by doctor–manned ambulance service in Oslo. (Experiences with a doctor–manned ambulance service in Oslo). pp. 97–8. Lund I, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Resuscitation during water rescue. pp. 77–89. Owen WD, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Small town cardiopulmonary unit. pp. 235–6. Parker SD, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

The role of the American Red Cross in resuscitation. pp. 259–60. Russell CW.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

New aspects of CPR training. pp. 25–7. Vanderschmidt HF, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

The role of the American Heart Association in cardiopulmonary resuscitation and emergency cardiac care. pp. 257–8. Yu PN.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Circulatory and respiratory changes following electrolytes or 5% albumin solution in resuscitation. pp. 149–63. Moss GS, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Emergency box for systematic resuscitation for patients with cardiac arrest. pp. 52–4. Tavares B.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

Pharmacotherapy of cardiopulmonary arrest. Greenblatt DJ, et al. **J Maine Med Assoc** 67(6):166–70, Jun 76

Severe traumatic coma in infancy and childhood: results after surgery and resuscitation. Pagni CA, et al. **J Neurosurg Sci** 19(3):120–8, Jul–Sep 75

Further analysis of lung water in baboons resuscitated from hemorrhagic shock. Holcroft JW, et al. **J Surg Res** 20(4):291–7, Apr 76

A simple method of resuscitation and short–term preservation of the canine cadaver heart. Cooper DK. **J Thorac Cardiovasc Surg** 70(5):896–908, Nov 75

Sudden cardiac death: a retrospective and prospective study. Amey BD, et al. **JACEP** 5(6):429–33, Jun 76

Transtracheal ventilation. Attia RR, et al. **JAMA** 234(11):1152–3, 15 Dec 75

Sodium bicarbonate administration during cardiac arrest. Effect on arterial pH PCO2, and osmolality. Bishop RL, et al. **JAMA** 235(5):506–9, 2 Feb 76

Training in advanced cardiac life support. Carveth SW, et al. **JAMA** 235(21):2311–5, 24 May 76

Cough–induced cardiac compression. Self–administered from of cardiopulmonary resuscitation. Criley JM, et al. **JAMA** 236(11):1246–50, 13 Sep 76

Letter: Cardiopulmonary resuscitation. Fassett WE. **JAMA** 236(3):253, 19 Jul 76

A life–saving maneuver to prevent food–choking. Heimlich HJ. **JAMA** 234(4):398–401, 27 Oct 75

Letter: Treatment of hypothermia. **Lancet** 2(7944):1096, 29 Nov 75

Editorial: Sodium bicarbonate in cardiac arrest. **Lancet** 1(7966):946–7, 1 May 76

Letter: Cardiopulmonary resuscitation. **Lancet** 2(7985):568, 11 Sep 76

Evaluation of a cardiopulmonary resuscitation course for secondary schools retention study. Vanderschmidt H, et al. **Med Care** 14(2):181–4, Feb 76

Mechanisms and prevention of sudden death. Doyle JT. **Mod Concepts Cardiovasc Dis** 45(7):111–6, Jul76

Editorial: Terminating life support: out of the closet. Fried C. **N Engl J Med** 295(7):390–1, 12 Aug 76

Orders not to resuscitate. Rabkin MT, et al. **N Engl J Med** 295(7):364–6, 12 Aug 76

Cardiopulmonary resuscitation (CPR) as treatment of cardiac arrest. McRae JT. **NC Med J** 37(5):249, May 76

First aid–2. Cardiac and respiratory arrest. Bradley D. **Nurs Times** 71(35):1367–70, 28 Aug 75

Alphabet protocol for initial management of trauma victims. Caropreso PR, et al. **Pa Med** 78(11):76–7, Nov 75

Successful resuscitation in diabetic ketocidosis: a strong case for the use of bicarbonate. Soler NG, et al. **Postgrad Med J** 50(585):465–8, Jul 74

Editorial: After resuscitation—what? Hillman H. **Resuscitation** 4(2):73–6, 1975

Analysis of a 2–year–old resuscitation service. Kennelly BM. **Resuscitation** 3(4):229–39, 1974

Restoration of nucleic acid biosynthesis after clinical death and factors stimulating the process in vivo. Konikova AS, et al. **Resuscitation** 4(2):125–30, 1975

Conditioned reflex activities and nervous system type in revived dogs. Makarenko NV, et al. **Resuscitation** 3(3):171–9, 1974

Anaesthesia and intensive care in eclampsia. Negovsky VA, et al. **Resuscitation** 3(3):157–63, 1974

Resuscitation of patients with ischaemic heart disease before admission to hospital. Zilberman D. **Resuscitation** 4(1):1–17, 1975

An experimental correlation of sepsis, resuscitated hemorrhagic shock, and 'shock lung'. Esrig BC, et al. **Rev Surg** 33(2):143–6, Mar–Apr 76

Intravenous fluid effects on lung water in burn resuscitation. Holleman JH, et al. **Rev Surg** 32(4):300–2, Jul–Aug 75

Protein degradation to low–molecular compounds after death and during reanimation. Konikova AS, et al. **Virchows Archiv [Cell Pathol]** 18(4):347–55, 11 Sep 75

[Pheochromocytoma: intraoperative resuscitation without vasopressors and methoxyflurane anesthesia] Gosheva–Antonova Ts. **Khirurgiia (Sofiia)** 28(1):48–54, 1975 (Eng. Abstr.) **(Bul)**

[Anesthesia and resuscitation in 30 open kidney biopsies] Gramatikova R, et al. **Khirurgiia (Sofiia)** 28(2):175–7, 1975 (Eng. Abstr.) **(Bul)**

[Staff, equipment and operative situation in intensive care units and in anesthesiology–resuscitation hospital departments in Czechoslovakia] Daneš L, et al. **Cesk Zdrav** 24(1):4–17, Jan 76 (Eng. Abstr.) **(Cze)**

[Hygienic and anti–infection regime in intensive care units

and anesthesiological and resuscitation departments in the Czech Socialist Republic] Daneš L, et al. **Cesk Zdrav** 24(2):69–79, Feb 76 (Eng. Abstr.) **(Cze)**

[Mission and position of the anesthesiology and resuscitation departments in the system of rapid medical assistance] Melichar M, et al. **Cesk Zdrav** 24(4):165–72, Apr 76 (Eng. Abstr.) **(Cze)**

[Articles of the Belgian Society of Anesthesia and Resuscitation] **Acta Anaesthesiol Belg** 26(1):XVII–XXX, Apr 75 **(Fre, Dut)**

[Membership of the Belgian Scoety of Anesthesia and Resuscitation] **Acta Anaesthesiol Belg** 26(1):X–XVI, Apr 75 **(Fre, Dut)**

[Address from the president of the Belgian Society of Anesthesia and Resuscitation] De Temmerman P. **Acta Anaesthesiol Belg** 26(1):III–VI, Apr 75 **(Fre)**

[Intensive care and resuscitation] Weber B. **Agressologie** 15(6):359–62, 1974 **(Fre)**

[Pediatric anesthesia–resuscitation departments] Delégue L. **Anesth Analg (Paris)** 32(2):285–92, Mar–Apr 75 **(Fre)**

[Organization of anesthesia–resuscitation departments (round table). Wards should or could be a part of anesthesia–resuscitation departments] Gauthier–Lafaye JP, et al. **Anesth Analg (Paris)** 32(1):139–45, Jan–Feb 75 **(Fre)**

[Study of a resuscitation unit at the new La Louvière hospital center] Hoet T. **Anesth Analg (Paris)** 32(5):819–21, Sep–Oct 75 **(Fre)**

[Organization of the anesthesia–resuscitation departments (round table). Point of view of the administrator] Julien R. **Anesth Analg (Paris)** 32(1):133–8, Jan–Feb 75 **(Fre)**

[Organization of anesthesia–resuscitation departments (round table). The needs of the surgeon] Monod–Broca P. **Anesth Analg (Paris)** 32(1):127–32, Jan–Feb 75 **(Fre)**

[Resuscitation units of anesthesiology departments] Noviant Y. **Anesth Analg (Paris)** 32(5):802–17, Sep–Oct 75 **(Fre)**

[Anesthesia–reanimation and perinatology. Introduction] Canet J. **Ann Anesthesiol Fr** 16 Spec No 1:1–3, 1975 **(Fre)**

[Traumatic tetraplegia: anesthesia–resuscitation in the acute phase] Erny P. **Ann Anesthesiol Fr** 15(3):1I–6I, 1974 **(Fre)**

[Anesthesia and resuscitation of a thoracic–injured patient just arriving at the hospital] Fogliani J, et al. **Ann Anesthesiol Fr** 16(6):1L–6L, Oct 75 **(Fre)**

[Anesthesia and resuscitation of a heroin addict] Fogliani S, et al. **Ann Anesthesiol Fr** 16(6):1M–6M, Oct 75 **(Fre)**

[Acute tamponade: complication of resuscitation (cardiac perforation by a subclavian catheter)] George M, et al. **Ann Anesthesiol Fr** 16(1):7–12, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Peroperative resuscitation in abdominal reoperations] Gouin F, et al. **Ann Anesthesiol Fr** 16(4):253–6, Jul 75 (Eng. Abstr.) **(Fre)**

[Criteria for the choice of an ambulance for medical reanimation] Hanote P, et al. **Ann Anesthesiol Fr** 16(3):203–11, May–Jun 75 **(Fre)**

[Perinatal assistance in the delivery room—reanimation of the newborn infant] Liondas S. **Ann Anesthesiol Fr** 16 Spec No 1:195–200, 1975 (Eng. Abstr.) **(Fre)**

[Pre–, per–, and postoperative resuscitation in thoracic surgery in newborn infants] Mercier C, et al. **Ann Anesthesiol Fr** 16 Spec No 1:155–60, 1975 (Eng. Abstr.) **(Fre)**

[Anesthesia and surgical resuscitation in surgery of the cervical spine with neurological disorders] Pasteyer J, et al. **Ann Anesthesiol Fr** 15(1):1A–8A, 1974 **(Fre)**

[Clinical and therapeutic problems posed by hangings. Apropos of 67 cases] Scheydeker JL, et al. **Ann Anesthesiol Fr** 16(6):465–8, Oct 75 (Eng. Abstr.) **(Fre)**

[Fibro–bronchoscopy during resuscitation of patients suffering from severe thoracic traumatisms (author's transl)] Bernard JP, et al. **Ann Chir Thorac Cardiovasc** 14(4):385–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Pre–hospital resuscitation and transport of cardiac patients. Apropos of 107 cases of primary transport] Gilgenkrantz JM, et al. **Arch Mal Coeur** 68(5):459–65, May 75 (Eng. Abstr.) **(Fre)**

[Intensive care units (author's transl)] **Bull Physiopathol Respir (Nancy)** 11(5):787–94, Sep–Oct 75 **(Fre)**

[Role of P50 in resuscitation (author's transl)] Foëx P. **Bull Physiopathol Respir (Nancy)** 11(5):637–58, Sep–Oct 75 (74 ref.) (Eng. Abstr.) **(Fre)**

[Estimation of intrapulmonary shunt in resuscitation (use of a nomogram) (author's transl)] Lemaire F, et al. **Bull Physiopathol Respir (Nancy)** 11(5):659–81, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Meeting on medico–surgical resuscitations] Délrio PH. **J Chir (Paris)** 111(4):501–6, Apr 76 **(Fre)**

[Preventive antibiotic therapy in medical resuscitation] Wattel F. **Lille Med** 20(10):921–2, Dec 75 **(Fre)**

[Letter: Late regression of severe neurologic sequelae with cortical blindness after circulatory arrest] Ducable G, et al. **Nouv Presse Med** 5(10):651–2, 6 Mar 76 **(Fre)**

[The thorax–injured patient. Point of view of the anesthetist–resuscitator] Szappanyos G. **Rev Med Suisse Romande** 96(7):503–10, Jul 76 **(Fre)**

[Therapy of circulatory arrest] Pichlmayr I. **Anaesthesiol Intensivmed Prax** 10(1):89–96, 1975 **(Ger)**

[Reanimation outside the hospital by the mobile intensive care station in Zurich] Hirzel H, et al. **Schweiz Med Wochenschr** 106(7):203–5, 14 Feb 76 (Eng. Abstr.) **(Ger)**

[Successful treatment of a severe drowning accident after 20 minutes submersion] Imbach P, et al. **Schweiz Med Wochenschr** 105(48):1605–11, 29 Nov 75 **(Ger)**

[Organization of resuscitation in the hospital] Mau H, et al. **Z Aerztl Fortbild (Jena)** 69(21):1136–40, 1 Nov 75 **(Ger)**

[Possibilities and limits of the intrauterine reanimation (author's transl)] Klöck FK, et al. **Z Geburtshilfe Perinatol** 179(6):401–19, Dec 75 (30 ref.) (Eng. Abstr.) **(Ger)**

[The pneumothorax as complication of continuous artificial ventilation (author's transl)] Ferrara SD, et al. **Z Rechtsmed** 78(2):159–66, 26 Aug 76 (Eng. Abstr.) **(Ger)**

[Acute pulmonary heart disease in resuscitation: case reports] Castelli E, et al. **Boll Soc Ital Cardiol** 18(5):421–32, 1973 (Eng. Abstr.) **(Ita)**

[Studies on diffusion of HAA in a resuscitation center] Azzollini C, et al. **Minerva Anestesiol** 41(7–8):356–65, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Problems of anesthesiology and resuscitation in myopathies] Fagiano G. **Minerva Anestesiol** 41(4):218–22, Apr 75 **(Ita)**

[Resuscitation of the irreversible coma for the purpose of transplantation] Pannacciulli E, et al. **Minerva Anestesiol** 42(6):406–8, Jun 76 **(Ita)**

[Thoracic injuries and resuscitation. Case reports and critical review] Castelli E, et al. **Minerva Chir** 31(4):104–21, 29 Feb 76 (Eng. Abstr.) **(Ita)**

[Problems connected with kidney transplantation. Experience at the Transplantation Center in Milan. Resuscitation of the donor] Trazzi R. **Minerva Chir** 30(15–16):849–50, 15–31 Aug 75 **(Ita)**

[Care of the newborn infant in the delivery room. Some technico–organizational aspects] Pantarotto MF. **Minerva Ginecol** 27(9):779–82, Sep 75 **(Ita)**

[Resuscitation in acute pulmonary edema] Bortoluzzi E. **Minerva Med** 66(80):4262–4, 24 Nov 75 **(Ita)**

[Physiopathological aspects and resuscitation problems in acute exogenous poisonings] D'Auria C. **Minerva Med** 66(62):3191–200, 22 Sep 75 **(Ita)**

[Possibilities of the use of salbutamol in anesthesia and resuscitation] Fantera A. **Minerva Med** 67(16):1033–5, 31 Mar 76 **(Ita)**

[Respiratory and cardiocirculatory resuscitation of the newborn infant] Zuccaro GM, et al. **Minerva Pediatr** 27(30):1661–75, 29 Sep 75 (Eng. Abstr.) **(Ita)**

[Changes in pulmonary function after resuscitation from shock and the effect of aprotinin (trasylol)] Yamahara T, et al. **Jpn J Anesthesiol** 24(10):996–1005, Oct 75 (Eng. Abstr.) **(Jpn)**

[Resuscitation and management in the intensive care unit for acute status asthmaticus with pneumothorax] Goto Y, et al. **Jpn J Thorac Dis** 13(3):155–61, Mar 75 (Eng. Abstr.) **(Jpn)**

[Resuscitation in extensive polyradiculoneuritis with respiratory disorders] Sandu L, et al. **Rev Med Intern [Neurol Psihiatr]** 19(5):417–20, Oct–Dec 74 **(Rum)**

[Resuscitation and intensive treatment in hemorrhage connected with obstetric pathology] Negovskiĭ VA, et al. **Akush Ginekol (Mosk)** (9):67–71, Sep 75 **(Rus)**

[Resuscitation and intensive therapy of infants born in a depressed state] Slepykh AS. **Akush Ginekol (Mosk)** (6):60–3, Jun 75 **(Rus)**

[Emergency care in intrauterine asphyxia and resuscitation of newborn infants] Timoshenko LV, et al. **Akush Ginekol (Mosk)** (6):57–9, Jun 75 **(Rus)**

[Changes in serum lysozyme activity in terminal states caused by blood loss] Anan'eva SK. **Biull Eksp Biol Med** 80(11):32–4, Nov 75 **(Rus)**

[Change in the rheologic properties of blood during the early postreanimation period] Evtushenko AIa, et al. **Biull Eksp Biol Med** 79(5):37–40, May 75 (Eng. Abstr.) **(Rus)**

[Pathogenesis of the low cardiac output syndrome in postreanimation states] Trubina IE, et al. **Biull Eksp Biol Med** 82(7):787–9, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of different volume rates of artificial blood circulation on hemodynamics in animals resuscitated after death from asphyxiation] Lanovenko II. **Dokl Akad Nauk SSSR** 229(1):233–6, JUL–AUG 76 **(Rus)**

[Hemodynamic parameters and oxygen regimen of the body in the early postresuscitation period] Trubina IE, et al. **Kardiologiia** 15(9):133–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Characteristics of anesthesia and resuscitation in emergency lung surgery] Dolina OA, et al. **Khirurgiia (Mosk)** (11):15–21, Nov 75 (Eng. Abstr.) **(Rus)**

[First aid and resuscitation in the hospital in traumatic ruptures of the femoral artery] Zhalko–Titarenko VF, et al. **Klin Khir** (10):75–6, Oct 75 **(Rus)**

[Resuscitation in acute tubazid poisoning] Mukhin EP, et al. **Klin Med (Mosk)** 52(1):137–9, Jan 74 **(Rus)**

[Certain problems of present–day resuscitation] Negovskiĭ VA, et al. **Klin Med (Mosk)** 53(12):6–14, Dec 75 **(Rus)**

[Organization of treatment and resuscitation in combined injuries of the musculo–skeletal apparatus] Ungbaev TE. **Ortop Travmatol Protez** (5):37–9, May 75 **(Rus)**

[Decomposition of proteins of the organs and tissues after death and resuscitation] Vinarskaia AA, et al. **Patol Fiziol Eksp Ter** (6):12–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Role of disorders of the function of organs and systems of the body in development of irreversibility of damage during resuscitation after prolonged circulatory arrest] Volkov AV, et al. **Patol Fiziol Eksp Ter** (6):7–12, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Resuscitation in recurrent hemorrhage from liver rupture in a 4–year–old child] Borovyĭ EM, et al. **Pediatriia** (8):80–1, Aug 75 **(Rus)**

[Certain aspects of treatment of metabolic alkalosis in children after resuscitation] Ostrovskiĭ VIu, et al. **Pediatriia** (11):62–4, Nov 75 **(Rus)**

[Use of native serum in postresuscitation toxemia] Shikunova LG, et al. **Probl Gematol Pereliv Krovi** 21(2):51–2, Feb 76 (Eng. Abstr.) **(Rus)**

[Case of successful resuscitation after tracheobronchoscopy under anesthesia] Maryshev GA, et al. **Probl Tuberk** (11):81–2, 1975 **(Rus)**

[Work experience of the resuscitation units in dealing with traumatic shock] Gal'tseva IV, et al. **Sov Med** (11):112–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Resuscitation of patients with severe combined chest injury] Kuz'michev AP, et al. **Sov Med** (11):55–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Current problems of anesthesia and resuscitation in obstetrics and gynecology] Persianinov LS, et al. **Sov Med** (6):3–9, Jun 75 **(Rus)**

[Paths of development of current methods of resuscitation] Negovskiĭ VA. **Ter Arkh** 47(5):142–7, 1975 **(Rus)**

[Resuscitation of the injured with severe, multiple trauma complicated by shock] Komarov BD, et al. **Vestn Akad Med Nauk SSSR** (2):8–12, 1975 **(Rus)**

[Pre–hospital resuscitation in injuries and asphyxia under emergency conditions] Tsybuliak GN, et al. **Vestn Khir** 115(7):80–3, Jul 75 (Eng. Abstr.) **(Rus)**

[Metabolic alkalosis in patients following resuscitation] Zolotokrylina ES. **Vestn Khir** 114(4):3–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Work experience of the mobile resuscitation brigade of a naval hospital] Nikulin SP, et al. **Voen Med Zh** (3):59–60, Mar 76 **(Rus)**

[Analysis of the results of resuscitation measures in the acute period of severe forms of infectious diseases of the nervous system] Ariaev LN, et al. **Vrach Delo** (12):123–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Intensive treatment and resuscitation in pediatric otorhinolaryngology] Sergienko PV, et al. **Zh Ushn Nos Gorl Bolezn** (2):103–5, Mar–Apr 75 **(Rus)**

[Conditioned reflex activity and several vegetative reactions in dogs during the recovery period following repeated reanimation] Makarenko NV, et al. **Zh Vyssh Nerv Deiat** 25(2):318–26, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Continuation of resuscitation in the defensive war] Jekic M, et al. **Acta Chir Iugosl** 23(1 Suppl):135–8, 1976 **(Ser)**

[Problem of resuscitation under the conditions of defensive war] Prokic D, et al. **Acta Chir Iugosl** 23(1 Suppl):131–3, 1976 **(Ser)**

[Resuscitation under the conditions of defensive war] Rasovic LJ, et al. **Acta Chir Iugosl** 23(1 Suppl):121–30, 1976 **(Ser)**

[Concept of extended resuscitation in general national defense] Subota G. **Acta Chir Iugosl** 23(1 Suppl):139–43, 1976 (Eng. Abstr.) **(Ser)**

[Anesthesia and resuscitation under special conditions] Zivojnovic S, et al. **Acta Chir Iugosl** 23(1 Suppl):155–7, 1976 **(Ser)**

[Submersion in salt water. Treatment and clinico–biological correlation] Chuliá Campos V, et al. **Rev Esp Anestesiol Reanim** 22(6):536–45, Nov 75 **(Spa)**

[Piriglutine (conductase): clinical use in 500 cases of anesthesia and resuscitation. Initial report (summary)] de León R. **Rev Esp Anestesiol Reanim** 23(1):68–78, Jan 76 (Eng. Abstr.) **(Spa)**

[Use of transtracheal anesthesia and block of the upper laryngeal nerve in anesthesiology and resuscitation] Jurado Simón J. **Rev Esp Anestesiol Reanim** 22(5):469–80, Sep 75 **(Spa)**

[Hepatic secretory function of dogs reanimated by the donor method after prolonged periods of death from electrotrauma] Adamenko MP, et al. **Fiziol Zh** 21(3):405–7, May–Jun 75 **(Ukr)**

[The basic vital functions of the body in the recuperative period following resuscitation] Makarenko MV, et al. **Fiziol Zh** 21(4):454–61, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Letter: A complication of cardiac resuscitation. Jeong YG, et al. **Am Heart J** 90(5):680, Nov 75

Case of complete gastric rupture complicating resuscitation. Darke SG, et al. **Br Med J** 3(5980):414–5, 16 Aug 75

Letter: Cardiac resuscitation and vertebral fracture. Jeong YG, et al. **JAMA** 234(12):1223, 22 Dec 75

Ruptured stomach after Heimlich maneuver. Visintine RE, et al. **JAMA** 234(4):415, 27 Oct 75

[Minimal lesions of the pharyngeal mucosa as causes of emphysema in anesthesia and resuscitation] Serra GC, et al. **Minerva Anestesiol** 41(7–8):347–51, Jul–Aug 75 **(Ita)**

[Heptic changes in prolonged resuscitation] Fiori M. **Pathologica** 67(967–968):187–94, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Transient diabetes insipidus following cardiologic resuscitation in a patient with myocardial infarct] Kordaś J, et al. **Wiad Lek** 28(20):1701–8, 15 Oct 75 (Eng. Abstr.)

(Pol)

HISTORY

Historical notes on electroresuscitation. Schechter DC. **Med Instrum** 9(6):250–4, Nov–Dec 75

The first defibrillation? Stillings D. **Med Instrum** 10(3):168, May–Jun 76

[11 years of anesthesiology and resuscitation procedures at the Viet Diuk v Khanoi Ton Diuk Lang, et al. **Khirurgiia (Sofiia)** 28(1):12–20, 1975 (Bul)

[History of resuscitation in the USSR] Negovskiĭ VA. **Vestn Akad Med Nauk SSSR** (12):26–9, 1975 (Rus)

INSTRUMENTATION

Letter: A dangerous Water's expiratory valve. Kazi GA. **Anaesthesia** 31(4):579, May 76

A new direct resuscitator for use by the dental profession and the emergency services. Savage M, et al. **Br J Oral Surg** 13(2):203–6, Nov 75

Heart–lung resuscitators. pp. 267–8. Boaz RR, et al. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

Mechanical respirators and resuscitation equipment. pp. 145–50. Comans KP. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

Letter: Neonatal resuscitation. Stratton D, et al. **Lancet** 1(7957):490, 28 Feb 76

Cardiopulmonary resuscitation kits: a simplified approach. Watson RL, et al. **Milit Med** 141(6):401–3, Jun 76

[Portable resuscitation equipment] Hurtaud JP, et al. **Agressologie** 15 Spec No B:77–80, 1974 (Eng. Abstr.) (Fre)

[Clinical trials of the Monaghan 14250 respirator] Doyer JL. **Ann Anesthesiol Fr** 15(1):79–84, 1974 (Fre)

[Multiple functions programmer in digestive rescuscitation] Lévy E, et al. **Nouv Presse Med** 5(15):991–2, 10 Apr 76 (Fre)

A teaching and training device for resuscitation. The 'AMBU-simulator' (author's transl)] Ahnefeld FW, et al. **Anaesthesist** 24(12):547–51, Dec 75 (Eng. Absir.) (Ger)

METHODS

Elevation of the fetal presenting part: A method of intrauterine resuscitation. Cohen WR, et al. **Am J Obstet Gynecol** 123(6):646–9, 15 Nov 75

Food–choking and drowning deaths prevented by external subdiaphragmatic compression. Physiological basis. Heimlich HJ, et al. **Ann Thorac Surg** 20(2):188–95, Aug 75

Cardiopulmonary resuscitation: basic life support. Shapter RK, et al. **Clin Symp** 26(5):1–31, 1974

Conspectus: Sudden coronary death. Bellows JG, et al. **Compr Ther** 2(5):3, May 76

A patient care algorithm for cardiac arrest. Shoemaker WC. **Crit Care Med** 4(3):157–8, May–Jun 76

Letter: Cardiopulmonary resuscitation. **Heart Lung** 4(6):972–4, Nov–Dec 75

Current standards in cardiopulmonary resuscitation. pp. 19–25. Jude JR. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

Resuscitation and trauma. Coppel DL, et al. **Int Anesthesiol Clin** 14(1):43–68, Spring 76 (20 ref.)

Fluid resuscitation of burn patients comparing a crystalloid with a colloid containing solution: a prospective study. Recinos PR, et al. **J Iowa Med Soc** 65(10):426–32, Oct 75

Editorial: Statement on the 'Heimlich maneuver'. **JAMA** 234(4):416, 27 Oct 75

Letter: Cardiac arrest. Yakaitis RW, et al. **JAMA** 234(2):151–2, 13 Oct 75

Changing concepts of resuscitation in the United States Army. Hardaway RM 3d. **Milit Med** 141(3):149–56, Mar 76

Cardiopulmonary resuscitation (CPR) as treatment of cardiac arrest. II. Basic CPR. McRae JT. **NC Med J** 37(6):299–301, Jun 76

Cardiopulmonary resuscitation (CPR) as treatment of cardiac arrest. III. Advanced CPR. McRae JT. **NC Med J** 37(7):363–6, Jul 76

[Some anesthesiological and resuscitation problems of resection of the trachea] Filipov S, et al. **Khirurgiia (Sofiia)** 28(6):573–9, 1975 (Eng. Abstr.) (Bul)

[Aid to drowned persons by the first echelon] Ebels JH, et al. **Ned Tijdschr Geneeskd** 119(34):1301–4, 23 Aug 75 (Dut)

[Parenteral feeding. Its value in resuscitation] Degaute JP, et al. **Acta Clin Belg** 30(1):33–47, 1975 (Eng. Abstr.) (Fre)

[Current view point on the technics of temporary mechanical cardio–circulatory assitance in medical resuscitation] Beaufils P, et al. **Ann Cardiol Angeiol (Paris)** 25(4):311–6, Jul–Sep 76 (Fre)

[Electroencephalographic problems in a department of infant resuscitation] Lerique–Koechlin A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):163–9, Apr–Jun 71 (Eng. Abstr.) (Fre)

[Value of EEG during resuscitation in chronic pulmonary with acute decompensation] Sadoul P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):203–4, Apr–Jun 71 (Fre)

[The primary resuscitation of the newborn (author's transl)] Stoll W. **Praxis** 64(49):1574–82, 9 Dec 75 (Eng. Abstr.) (Ger)

[Successful resuscitation using extracorporeal perfusion] Barankay A, et al. **Orv Hetil** 116(49):2898–9, 7 Dec 75 (Hun)

[Case of Romano–Ward syndrome recovering from an extended period of unconsciousness] Furutani S, et al. **Jpn J Anesthesiol** 24(10):1017–26, Oct 75 (Eng. Abstr.) (Jpn)

[First experience with the use of extracorporeal hemoperfusion through activated charcoal in children] Isakov IuF, et al. **Eksp Khir Anesteziol** (4):52–4, Jul–Aug 75 (Rus)

[Gas composition of blood in dogs during resuscitation by donor method after prolonged periods of death caused by electrotrauma] Adamenko NP, et al. **Patol Fiziol Eksp Ter** (2):28–32, Mar–Apr 75 (Eng. Abstr.) (Rus)

[State of cardiovascular system in deceased premature infants having undergone resuscitation by different methods] Golovko VD, et al. **Pediatriia** (10):68–70, Oct 75 (Rus)

[Cytochemical criteria of the effectiveness of some methods of resuscitation and treatment in infants born with asphyxia] Dauranov IG. **Vopr Okhr Materin Det** 20(8):46–52, Aug 75 (Eng. Abstr.) (Rus)

[A theoretical and experimental basis for a common mechanism of effectiveness for methods of resuscitation and criteria for its quantitative assessment] Adamenko MP. **Fiziol Zh** 20(6):805–13, Nov–Dec 74 (Eng. Abstr.) (Ukr)

[Acid–base state of the blood in neonates that have experienced intrauterine hypoxia after the use of halidor and rhythmic abdominal decompression] Markin LB. **Fiziol Zh** 22(3):413–4, MAR–APR 76 (Ukr)

MORTALITY

[The changes of survival of patients hospitalized in a resuscitation service] Rapin M, et al. **Nouv Presse Med** 5(19):1245–8, 8 May 76 (Eng. Abstr.) (Fre)

RETE TESTIS see under **TESTIS**

RETENTION see under **MEMORY**

RETICULAR FORMATION

ANATOMY & HISTOLOGY

Diencephalic projections from the midbrain reticular formation. Bowsher D. **Brain Res** 95(2–3):211–20, 23 Sep 75

Demonstration of a somatotopically organized projection onto the paramedian lobule and the anterior lobe from the lateral reticular nucleus: an experimental study with the horseradish peroxidase method. Brodal P. **Brain Res** 95(2–3):221–39, 23 Sep 75

An autoradiographic study of the pathways from the pontine reticular formation involved in horizontal eye movements. Büttner–Ennever JA, et al. **Brain Res** 108(1):155–64, 21 May 76

Histologic and enzymatic studies of the mesolimbic and mesostriatal serotonergic pathways. Geyer MA, et al. **Brain Res** 106(2):241–56, 23 Apr 76

The reticulovestibular projection in the cat. An experimental study with silver impregnation methods. Hoddevik GH, et al. **Brain Res** 94(3):383–99, 5 Sep 75

Anatomical and electrophysiological identification of a projection from the mesencephalic raphe to the caudate–putamen in the rat. Miller JJ, et al. **Brain Res** 97(1):133–6, 24 Oct 75

Demonstration of nigrotectal and nigroreticular projections in the cat by axonal transport of proteins. Rinvik E, et al. **Brain Res** 112(2):388–94, 13 Aug 76

A raphe projection to cat cerebellar cortex. Shinnar S, et al. **Brain Res** 97(1):139–43, 24 Oct 75

Projections from the lateral reticular nucleus to the cerebellar cortex and nuclei in the cat. Matsushita M, et al. **Exp Brain Res** 24(4):403–21, 26 Feb 76

Autoradiographic studies of the projections of the midbrain reticular formation: ascending projections of nucleus cuneiformis. Edwards SB, et al. **J Comp Neurol** 165(4):417–31, 15 Feb 76

[Nature of the distribution of synapses in the neurons of the reticular formation and some afferent nuclei] Kozlova GI. **Arkh Anat Gistol Embriol** 68(5):81–5, May 75 (Eng. Abstr.) (Rus)

[Sensory auditory projections on the reticular structures of the brain stem] Amunts VV. **Zh Nevropatol Psikhiatr** 74(3):370–6, 1974 (Eng. Abstr.) (Rus)

CYTOLOGY

The raphe nuclei of the cat brain stem: a topographical atlas of their efferent projections as revealed by autoradiography. Bobillier P, et al. **Brain Res** 113(3):449–86, 3 Sep 76

Cholinergic mediation of the inhibitory effect of methylphenidate on neuronal activity in the reticular formation. Shih TM, et al. **Neuropharmacology** 15(1):55–60, Jan 76

[Cytoarchitecture of the formatio reticularis of the brain stem of the dolphin] Amunz WW. **Z Mikrosk Anat Forsch** 89(1):192–206, 1975 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Morphine analgesia: blockade by raphe magnus lesions. Proudfit HK, et al. **Brain Res** 98(3):612–18, 21 Nov 75

Raphe neurons: depression of activity by L–5–hydroxytryptophan. Trulson ME, et al. **Brain Res** 97(2):350–5, 31 Oct 75

The action of substance P on mesencephalic reticular and substantia nigral neurones of the rat. Walker RJ, et al. **Experientia** 32(2):214–5, 15 Feb 76

Proceedings: Mesencephalic reticular formation and progesterone action in sexual activities. Kubo K, et al. **J Physiol Soc Jpn** 36(8–9):400–1, 1 Sep 74

Haloperidol blocks an alpha adrenergic receptor in the reticulo–cortical inhibitory input. Ohta M. **Physiol Behav** 16(4):505–7, Apr 76

Differential effects of methylphenidate on reticular formation and thalamic neuronal activity. Shih TM, et al. **Psychopharmacologia** 44(1):11–5, 14 Oct 75

Morphine–induced rotation in naive, nonlesioned rats. Jacquet YF, et al. **Science** 192(4236):261–3, 16 Apr 76

[Effect of beta–adrenergic blockaders on the bioelectrical activity of the mesenchephalic reticular formation] Ovcharov R, et al. **Eksp Med Morfol** 14(3):121–8, 1975 (Eng. Abstr.) (Bul)

[Response of hypothalamic neurons to midbrain stimulation in the presence of increased levels of corticosteroids in the blood] Filaretov AA, et al. **Fiziol Zh SSSR** 61(8):1167–73, Aug 75 (Eng. Abstr.) (Rus)

[Effect of corticosteroids on the hypothalamo–reticulo–limbic formations in the brain] Malyshenko NM. **Usp Fiziol Nauk** 7(2):88–115, Apr–May 76 (182 ref.) (Rus)

[The character of the effect of triftazin, carbidine and aminazine on defensive conditioned reflexes] Barkov NK. **Zh Nevropatol Psikhiatr** 76(2):280–2, 1976 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Ontogeny of monoamine neurons in the locus coeruleus, raphe nuclei and substantia nigra of the rat. II. Synaptogenesis. Lauder JM, et al. **J Comp Neurol** 163(3):251–64, 1 Oct 75

ENZYMOLOGY

[Acetylcholinesterase localization in the nuclei of the reticular formation of the cat rhombencephalon] Burchyns'ka LF, et al. **Fiziol Zh** 21(4):486–93, Jul–Sep 75 (Eng. Abstr.) (Ukr)

GROWTH & DEVELOPMENT

Functional development of intrathalamic and reticulothalamic synaptic pathways. pp. 193–207. Purpura DP. **In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.**

METABOLISM

Effects of forebrain lesions on release of proteins from the midbrain reticular formation during the sleep–wake cycle. Drucker–Colín RR, et al. **Exp Neurol** 52(2):339–44, Aug 76

PHYSIOLOGY

Influence of single electrical stimulation in the reticular formation on photically evoked potentials of the visual cortex in freely moving rats. Felber F, et al. **Acta Biol Med Ger** 34(3):513–7, 1975

Individual semicircular canals and pontine reticular units. Troiani D, et al. **Arch Int Physiol Biochim** 83(2):207–9, May 75

Pharmacological and electrophysiological characteristics of neurones in the paramedian reticular nucleus. Avanzion GL, et al. **Arch Ital Biol** 113(3):193–204, Jul 75

Discharge pattern of reticular neurons subjected to direct mechanical stimulation. Skvařil J. **Biol Cybern** 19(2):117–9, 8 Aug 75

Proceedings: Blockade of the electrocortical changes induced by perfusion of amphetamine in the brain stem reticular formation. Candy JM, et al. **Br J Pharmacol** 56(3):374P, Mar 76

Bilateral sensory neglect following midsagittal reticular formation lesions in cats. Greeley HP, et al. **Brain Behav Evol** 12(1–2):57–74, 1975

Neurons in trigeminal nucleus and reticular formation excited by ethmoidal nerve stimulation. Beuerman RW. **Brain Res** 92(3):479–84, 18 Jul 75

Existence of a mutal tonic inhibitory interaction between the preoptic hypnogenic structure and the midbrain reticular formation. Bremer F. **Brain Res** 96(1):71–5, 10 Oct 75

Evidence for the existence of a raphe projection to the substantia nigra in rat. Dray A, et al. **Brain Res** 113(1):45–57, 20 AUG 76

Brain stem reticular units: synaptic responses to stimulation within the ascending reticular pathways. Fuller JH. **Brain Res** 112(2):299–312, 13 Aug 76

Behavioral studies following lesions of the mesolimbic and mesostriatal serotonergic pathways. Geyer MA, et al. **Brain Res** 106(2):257–69, 23 Apr 76

Coding of information about rapid eye movements in the pontine reticular formation of alert monkeys. Henn V, et

al. **Brain Res** 108(2):307–25, 28 May 76
Synaptic input from the pontine reticular nuclei to absucens motoneurons and internuclear neurons in the cat. Highstein SM, et al. **Brain Res** 112(1):162–7, 6 Aug 76
Thalamic, callosal and reticular converging inputs to parietal association cortex in cat. Kitsikis A, et al. **Brain Res** 93(3):516–24, 15 Aug 75
Activity, avoidance learning and regional 5–hydroxytryptamine following intra–brain stem 5,7–dihydroxytryptamine and electrolytic midbrain raphe lesions in the rat. Lorens SA, et al. **Brain Res** 108(1):97–113, 21 May 76
Reduction of the response of cat spinothalamic neurons to graded mechanical stimuli by electrical stimulation of the lower brain stem. McCreery DB, et al. **Brain Res** 97(1):151–6, 24 Oct 75
Postsynaptic potentials recorded from nucleus of the solitary tract and its subjacent reticular formation elicited by stimulation of the carotid sinus nerve. Miura M. **Brain Res** 100(2):437–40, 19 Dec 75
Macular input to neurons of the spinoreticulocerebellar pathway. Pompeiano O. **Brain Res** 95(2–3):351–68, 23 Sep 75
Comparison effects of electrical stimulation of preoptic area, anterior hypothalamus and dorsal raphe nucleus on 5–hydroxyindoleacetic acid in cerebrospinal fluid and behavior. Radulovački M, et al. **Brain Res** 67(3):542–5, 8 Mar 74
Effects of tooth pulp stimulation in trigeminal nucleus caudalis and adjacent reticular formation in rat. Shigenaga Y, et al. **Brain Res** 103(2):400–6, 20 Feb 76
The effect of reticular stimulation on spontaneous and evoked activity in the cat visual cortex. Singer W, et al. **Brain Res** 102(1):71–90, 30 Jan 76
Reticular suppression of flash–evoked IPSPs in visual cortex neurons. Skrebitsky VG, et al. **Brain Res** 111(1):67–78, 23 Jul 76
Electrophysiological identification of pontomedullary reticular neurons directly projecting into dorsal column nuclei. Sotgiu ML, et al. **Brain Res** 103(3):443–53, 27 Feb 76
Neuronal activity with relation to cardiac rhythm in the lower brain stem of the dog. Stroh–Werz M, et al. **Brain Res** 106(2):293–305, 23 Apr 76
Two types of tooth pulp units in the bulbar lateral reticular formation. Yokota T. **Brain Res** 104(2):325–9, 12 Mar 76
Firing patterns of paramedian reticular neurones with changing blood pressure. Duggan AW, et al. **Clin Exp Pharmacol Physiol** Suppl 2:185–7, 1975
Regulation of slow potential shifts in nucleus reticularis thalami by the mesencephalic reticular formation and the frontal granular cortex. Skinner JE, et al. **Electroencephalogr Clin Neurophysiol** 40(3):288–96, Mar 76
Differential effect of task relevance on early and late components of cortical and subcortical somatic evoked potentials in man. Velasco M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):353–64, Oct 75
Regulation of unit activity in nucleus reticularis thalami by the mesencephalic reticular formation and the frontal granular cortex. Yingling CD, et al. **Electroencephalogr Clin Neurophysiol** 39(6):635–42, Dec 75
Synaptosomal uptake and levels of serotonin in rat brain areas after p–chloroamphetamine or B–9 lesions. Massari VJ, et al. **Eur J Pharmacol** 33(2):419–22, Sep–Oct 75
The lateral reticular nucleus in the cat. IV. Activation from dorsal funiculus and trigeminal afferents. Clendenin M, et al. **Exp Brain Res** 24(2):131–44, 22 Dec 75
The lateral reticular nucleus in the cat. V. Does collateral activation from the dorsal spinocerebellar tract occur? Ekerot CJ, et al. **Exp Brain Res** 25(4):327–37, 30 Jun 76
Neurons with visual receptive field, eye movement and neck displacement sensitivity within and around the nucleus prepositus hypoglossi in the alert cat. Gresty M, et al. **Exp Brain Res** 24(4):429–33, 26 Feb 76
Electrophysiological properties of nucleus reticularis tegmenti pontis cells: antidromic and synaptic activation. Kitai ST, et al. **Exp Brain Res** 24:295–309, 26 Jan 76
Patterns of projection and braching of reticulospinal neurons. Peterson BW, et al. **Exp Brain Res** 23(4):333–51, 24 Oct 75
The effect of reticular stimulation on binocular inhibition in the cat lateral geniculate body. Singer W, et al. **Exp Brain Res** 25(2):221–3, 28 May 76
A quantitative investigation of somatosensory coding in single cells of the cat mesencephalic reticular formation. Barnes KL. **Exp Neurol** 50(1):180–93, Jan 76
Somatic reflex response–reversal of reticular origin. Chase MH, et al. **Exp Neurol** 50(3):561–7, Mar 76
Effects of five to seven days of sleep deprivation produced by electrical stimulation of the midbrain reticular formation. Lucas EA. **Exp Neurol** 49(2):554–68, Nov 75
Periodicities in the rate of on–demand electrical stimulation of the mesencephalic reticular formation to maintain wakefulness. Lucas EA, et al. **Exp Neurol** 51(2):444–56, May 76
Neurons in the rostral mesencephalic reticular formation of the cat responding specifically to noxious mechanical stimulation. Young DW, et al. **Exp Neurol** 51(3):628–36, Jun 76
A model of central neural processes controlling motor behavior during active sleep and wakefulness. pp. 99–121. Chase MH.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.
Characteristics of central nonspecific somatosensory systems. pp. 68–77. Bowsher D.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Responses of the rabbit's lateral geniculate body to sound stimuli and to electrical stimulation of the reticular formation of the brain stem. pp 170–7. Beteleva TG.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.
Mechanism of cardiac arrhythmias induced on stimulation of supramedullary centres in cats. Dhume RA, et al. **Indian J Exp Biol** 13(6):538–41, Nov 75
Properties of projections from vestibular nuclei to medial reticular formation in the cat. Peterson BW, et al. **J Neurophysiol** 38(6):1421–35, Nov 75
Changes in responses of medial pontomedullary reticular neurons during repetitive cutaneous, vestibular, cortical, and tectal stimulation. Peterson BW, et al. **J Neurophysiol** 39(3):564–81, May 76
Prolonged unit responses in thalamic reticular, ventral, and posterior nuclei following lateral hypothalamic and midbrain reticular stimulation. Keene JJ. **J Neurosci Res** 1(5–6):459–69, 1975
Proceedings: A raphe–substantia nigra projection in the rat. Dray A, et al. **J Physiol (Lond)** 257(1):29P–30P, May 76
Proceedings: The participation of the reticular formation during conditioning in the chronic decerebrate rat. Lovick TA, et al. **J Physiol (Lond)** 257(1):26P–27P, May 76
Relationship between the medial longitudinal fasciculus and the dorsal longitudinal fasciculus. Ban T, et al. **Med J Osaka Univ** 25(3–4):79–94, Mar 75
Monosynaptic activation of a direct reticulo–spinal pathway by the dentate nucleus. Bantli H, et al. **Pfluegers Arch** 357(3–4):237–42, 26 Jun 75
A critical reticular site involved in the spino–bulbo–spinal reflex system. Chan SH, et al. **Pfluegers Arch** 357(3–4):313–21, 26 Jun 75
Protection by nicotine from behavioral disruption caused by reticular formation stimulation in the rat. Nelsen JM, et al. **Pharmacol Biochem Behav** 3(5):749–54, Sep–Oct 75 **(Eng, Eng)**
Reticulo–reticular relationship during sleep and waking. Satoh T, et al. **Physiol Behav** 15(3):333–7, Sep 75
[Influence of the instrumental and social environment on central nervous system excitability in the male Wistar rat: measurement of the reactivity of the reticulocortical system] Lambert JF, et al. **Agressologie** 17(1):13–8, 1976 (Eng. Abstr.) **(Fre)**
[Influence of the instrumental and social environment on the structure of a sample of the waking–sleep cycle in the male Wistar rat: correlations with the changes in reticulocortical system excitability] Lambert JF, et al. **Agressologie** 17(1):19–25, 1976 (Eng. Abstr.) **(Fre)**
[The bulbo–thalamic ascending reticular activater system] Chevais R. **Ann Anesthesiol Fr** 15(3):1G–4G, 1974 **(Fre)**
[Development of the knowledge about organization and function of reticular formation] Moruzzi G. **J Physiol (Paris)** 70(6):681–93, Jan 76 (50 ref.) **(Fre)**
[Effect of lesions in the geniculate bodies on the visual response in the rat reticular formation] Felber F, et al. **Acta Biol Med Ger** 34(6):1087–91, 1975 **(Ger)**
[Modulation of the photically evoked potentials in the motor cortex of cats by influences of the somatosensory system and the reticular formation] Roth N, et al. **Acta Biol Med Ger** 34(9):1509–15, 1975 **(Ger)**
[Brain transections for the localization of tremorigenic brain regions in the rat] Westermann KH. **Acta Biol Med Ger** 34(3):399–407, 1975 (Eng. Abstr.) **(Ger)**
[Proceedings: Response of the mesencephalon to pressure on the teeth] Amano J, et al. **J Physiol Soc Jpn** 36(8–9):279, 1 Sep 74 **(Jpn)**
[Proceedings: Single electric discharge response of the neurosecretory cells of the supraoptic nucleus of cats to the electric stimulation and osmotic pressure given to the septal area and brain stem reticular formation] Konan H, et al. **J Physiol Soc Jpn** 36(8–9):400, 1 Sep 74 **(Jpn)**
[Proceedings: Inhibition of inspiratory neurons and shortening of expiratory phase caused by stimulation of the reticular formation of the medulla oblongata] Kusaji R, et al. **J Physiol Soc Jpn** 36(8–9):375–6, 1 Sep 74 **(Jpn)**
[Proceedings: Spontaneous discharge of single neurons derived simultaneously from cats with immobilized heads] Nakahama H, et al. **J Physiol Soc Jpn** 36(8–9):277, 1 Sep 74 **(Jpn)**
[Proceedings: Control system of the reticular formation of the medulla oblongata over trigeminal motor neurons] Nakamura Y, et al. **J Physiol Soc Jpn** 36(8–9):272–3, 1 Sep 74 **(Jpn)**
[Proceedings: Electric activity of the reticular formation of the medulla oblongata at the time of swallowing and its relationship with various deglutitory muscles] Nakayama Y, et al. **J Physiol Soc Jpn** 36(8–9):273, 1 Sep 74 **(Jpn)**
[Proceedings: Spinal pathway for the SBS reflex and reflex center in the brain stem] Shimamura M. **J Physiol Soc Jpn** 36(8–9):268, 1 Sep 74 **(Jpn)**
[Sensory organization of the reticular formation: Specific integrative activity] Majkowski J. **Neurol Neurochir Pol** 10(4):447–56, Jul–Aug 76 (Eng. Abstr.) **(Pol)**
[Effects of stimulating the caudal zones of the mesencephalic reticular formation on the postcruciate cortex of the cat] Seferian ES. **Biull Eksp Biol Med** 80(10):3–6, Oct 75 (Eng. Abstr.) **(Rus)**
[Mechanism of the activating effect of the reticular formation on the cerebral cortex] Livanov MN. **Dokl Akad Nauk SSSR** 224(6):1460–3, 21 Oct 75 **(Rus)**
[The role of several limbic structures in neocortical activation following brain stem section at the level of the corpora quadrigemina] Bakuradze AN, et al. **Fiziol Zh SSSR** 61(7):985–90, Jun 75 (Eng. Abstr.) **(Rus)**
[The role of several brain stem structures in activation of the neocortex and motor reflexes in chronically premesencephalic cats] Bakuradze AN, et al. **Fiziol Zh SSSR** 62(1):22–8, Jan 76 (Eng. Abstr.) **(Rus)**
[Neocortical electrical activity of cats with premesencephalic brain stem section under chronic experimental conditions] Naneishvili TL, et al. **Fiziol Zh SSSR** 61(9):1273–80, Sep 75 (Eng. Abstr.) **(Rus)**
[Reactions of reticular neurons to electric stimulation of somatic nerves, stimulation of the vestibular apparatus and combined stimulation] Truzhennikov AN. **Fiziol Zh SSSR** 62(7):953–60, Jul 76 (Eng. Abstr.) **(Rus)**
[Reticular structures and reticulospinal pathways participating in initiation and inhibition of spino–bulbo–spinal activity] Gokin AP, et al. **Neirofiziologiia** 8(4):373–83, 1976 (Eng. Abstr.) **(Rus)**
[The effect of peripheral stimulation on the electrical activity of the neocortex in chrqnic premesencephalic cats] Naneishvili TL, et al. **Neirofiziologiia** 7(5):493–9, 1975 (Eng. Abstr.) **(Rus)**
[The effect of stimulation of the posterior hypothalamus on the electrical activity of the neocortex in chronically premesencephalic cats] Naneishvili TL, et al. **Neirofiziologiia** 8(1):47–53, 1976 (Eng. Abstr.) **(Rus)**
[The predominantly unilateral influence of the posterior hypothalamus on the neocortex] Naneishvili TL, et al. **Neirofiziologiia** 8(2):139–45, 1976 (Eng. Abstr.) **(Rus)**
[Corticofugal influences on the reticulospinal neurons of gigantocellular nucleus in cats] Piliavskii AI. **Neirofiziologiia** 8(3):250–8, 1976 (Eng. Abstr.) **(Rus)**
[Organization of cortico–reticulo–spinal connections in the cat] Piliavskii AI. **Neirofiziologiia** 8(4):366–72, 1976 (Eng. Abstr.) **(Rus)**
[The influence of the cerebellum on the background activity of medial reticulospinal tract fibers] Shapovalov AV, et al. **Neirofiziologiia** 7(2):212–5, 1975 **(Rus)**
[Electrophysiological analysis of the cortical–subcortical relations in conditioned reflex] Grigorian GE. **Zh Eksp Klin Med** 15(5):17–26, 1975 **(Rus)**
[The disinhibitory influence of the activating system when artificially excited from different points in the brain] Andreeva VN, et al. **Zh Vyssh Nerv Deiat** 25(2):332–41, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[The effect of ablation in the n. medianus raphe on the aggressive and sexual behavior of white rats] Arav VI. **Zh Vyssh Nerv Deiat** 25(3):494–8, May–June 75 (Eng. Abstr.) **(Rus)**
[The effect of immobilization on reproduction of the electrical signs of temporary connections] Korsakov IA, et al. **Zh Vyssh Nerv Deiat** 25(6):1300–2, Nov–Dec 75 **(Rus)**
[Participation of the neocortical and reticulo–hypothalamic apparatuses in the regulation of recurrent inhibition in the thalamic relay nucleus] Mogilevskii AIa, et al. **Zh Vyssh Nerv Deiat** 25(3):595–602, May–June 75 (Eng. Abstr.) **(Rus)**
[Neurons of the rabbit midbrain reticular formation during a defensive conditioned reflex] Shevchenko DG. **Zh Vyssh Nerv Deiat** 25(4):727–34, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[The effect of stimulating formations of the limbic reticular complex on motor habits in dogs] Solohub NM, et al. **Fiziol Zh** 20(5):662–71, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**
[The effect of stimulation and destruction of the midbrain reticular formation on the neurosecretory system of the hypothalamus] Vashchenko OA. **Fiziol Zh** 20(5):639–45, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

PHYSIOPATHOLOGY

Evoked potential changes during ethanol withdrawal in rats. Begleiter H, et al. **Am J Drug Alcohol Abuse** 2(2):263–8, 1975
Effects of unilateral lesion in the midbrain reticular formation on kindled amygdaloid convulsion in cats. Wada JA, et al. **Epilepsia** 16(5):693–7, Dec 75
[Effect of the hypothalamus and reticular formation on the cerebral cortex in hypoxic brain states] Suchkov VV. **Fiziol Zh SSSR** 61(10):1524–30, Oct 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An electron microscope study of synaptic organization in the lateral reticular nucleus of the medulla oblongata in the cat. Mizuno N, et al. **Brain Res** 94(3):369–81, 5 Sep 75

RETICULIN

[Ratio of collagen fibers of reticular and elastic tissue in normal gingiva and in chronic marginal periodontitis] Onicescu D, et al. **Rev Chir [Stomatol]** 21(5):369–76, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

BIOSYNTHESIS

Light microscope studies on the effects of chrysotile asbestos and fiber glass on the morphology and reticulin formation of cultured lung fibroblasts. Richards RJ, et al. **Environ Res** 11(1):112–21, Feb 76

BLOOD

Reticulin antibodies in patients with coeliac disease and their relatives. Stevens FM, et al. **Gut** 16(8):598–602, Aug 75

IMMUNOLOGY

Antireticulin antibodies in dermatitis herpetiformis and adult coeliac disease. Their relationship to a gluten free diet and jejunal histology. Lancaster-Smith M, et al. **Br J Dermatol** 92(1):37–42, Jan 75

Anti-reticulin antibody in jejunal juice in coeliac disease. Mawhinney H, et al. **Clin Exp Immunol** 21(3):394–8, Sep 75

Antiserum specific for reticulin of the bursa of fabricius. Boyd RL, et al. **Int Arch Allergy Appl Immunol** 50(1):129–32, 1976

[Antireticulin antibodies and precipitating antibodies to food proteins in the sera of children with coeliac disease (author's transl)] Rotthauwe HW, et al. **Eur J Pediatr** 121(3):215–26, 4 Feb 76 (Eng. Abstr.) **(Ger)**

[Reticulin-antibodies in lupus erythematosus and polymorphic light exanthema] Szabó E, et al. **Z Hautkr** 51(09):353–60, 0501 76 **(Ger)**

RETICULOCYTES

The maturation of reticulocytes. II. Life-span of red cells originating from stress reticulocytes. Shimada A. **Acta Med Okayama** 29(4):283–9, Aug 75

The maturation of reticulocytes. I. Following introduction of reticulocytes into polycythemic and normocythemic animals. Shimada A. **Acta Med Okayama** 29(4):273–82, Aug 75

Carbon monoxide production and reticulocyte count in normal women. Effect of contraceptive drugs and smoking. Mercke C, et al. **Acta Med Scand** 198(3):155–60, Sep 75

The reticulocyte. An approach to definition. Gilmer PR Jr, et al. **Am J Clin Pathol** 66(1):262–7, Jul 76

Mode of reconstitution of chicken erythrocyte and reticulocyte chromatin. Gadski RA, et al. **Biochemistry** 15(17):3812–7, 24 AUG 76

Periodic oscillation of blood leukocytes, platelets, and reticulocytes in a patient with chronic myelocytic leukemia. Chikkappa G, et al. **Blood** 47(6):1023–30, Jun 76

Reticulocytes in healthy pregnancy. Traill LM. **Med J Aust** 2(6):205–6, 9 Aug 75

[Aspect of reticulocytes and erythroblasts studied by fluorescence microscopy in hemolytic disease of the newborn caused by autoantibodies and isoantibodies. II. Reticulocytes in hemolytic disease of the newborn caused by Rh and ABO incompatibility] Lombardo G, et al. **Boll Soc Ital Biol Sper** 51(24):2005–11, 30 Dec 75 **(Ita)**

[Development of peripheral blood reticulocytosis during exposure to a constant magnetic field] Borodkina AG. **Kosm Biol Aviakosm Med** 10(1):66–70, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Distribution of reticulocytes in the blood smear] Kachmarchik EV, et al. **Veterinariia** (2):103–4, Feb 76 **(Rus)**

ANALYSIS

Pig reticulocytes: II. Characterization of density-fractionated maturing reticulocytes. Kim HD, et al. **Am J Physiol** 230(6):1676–82, Jun 76

Purification and properties of rabbit reticulocyte elongation factor 1. Kemper WM, et al. **Arch Biochem Biophys** 174(2):603–12, Jun 75

Mouse globin gene expression in erythroid and non-erythroid tissues. Humphries S, et al. **Cell** 7(2):267–77, Feb 76

Maturation of rabbit reticulocytes: degradation of specific reticulocyte proteins. Lodish HF, et al. **Dev Biol** 47(1):59–67, Nov 75

Quantitation of eukaryotic ribosomal proteins separated by two-dimensional polyacrylamide gel electrophoresis. Martini OH, et al. **FEBS Lett** 56(2):205–11, 15 Aug 75

The nonhemoglobin heme in cytoplasm and mitochondria of rabbit reticulocytes. pp. 581–6. Neuwirt J, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

On the mechanism of action of the respiratory inhibitor RF from rabbit reticulocytes. pp. 593–7. Schewe T, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

On a factor lysing mitochondria in rabbit reticulocytes. pp. 607–13. Schewe T, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Some properties of the respiratory inhibitor RC from rabbit reticulocytes. pp. 599–602. Wiesner R, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Changes in membrane constituents and membrane-bound enzymes during the maturation of rabbit reticulocytes. Babu CR, et al. **Indian J Biochem Biophys** 13(1):79–83, Mar 76

Purification and physical properties of homogeneous initiation factor MP from rabbit reticulocytes. Safer B, et al. **J Biol Chem** 250(23):9067–75, 10 Dec 75

A simple method for the purification of reticulocyte globin messenger ribonucleic acid. Konecki D, et al. **Mol Biol Rep** 2(4):355–41, Dec 75

Molecular weight distribution of ribosomal proteins from several vertebrate species. Martini OH, et al. **Mol Gen Genet** 142(4):317–31, 31 Dec 76

Electrophoretic patterns of deadenylylated chorion and globin mRNAs. Vournakis JN, et al. **Proc Natl Acad Sci USA** 72(8):2959–63, Aug 75

[Isolation of messenger RNA for rabbit globin] Popoc AK, et al. **Biokhimiia** 40(2):339–42, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Application of binary filters in automated counting of reticulocytes. Shi NK, et al. **IEEE Trans Biomed Eng** 23(1):84–7, Jan 76

DRUG EFFECTS

Inhibition of protein synthesis in reticulocyte lysates by trichodermin. Carter CJ, et al. **Biochem J** 154(1):171–8, 15 Jan 76

The dissociation of exocytosis and respiratory stimulation in leucocytes by ionophores. Zabucchi G, et al. **Biochem J** 156(2):209–13, 15 May 76

Ethanol inhibition of reticulocyte protein synthesis: the role of haem. Freedman ML, et al. **Br J Haematol** 30(3):351–63, Jul 75

Origin of stress macroreticulocytes from macronormoblasts. Brecher G, et al. **Nouv Rev Fr Hematol** 15(1):13–8, Jan–Feb 75

Benzene and lead inhibition of rabbit reticulocyte heme and protein synthesis: evidence for additive toxicity of these two components of commercial gasoline. Wildman JM, et al. **Res Commun Chem Pathol Pharmacol** 13(3):473–88, Mar 76

ENZYMOLOGY

On the presence of a calcium-stimulated phospholipase A in the stroma-free supernatant fluid of rabbit reticulocytes. García Para M, et al. **Acta Biol Med Ger** 34(6):1075–7, 1975

Further characterization of the association of glyceraldehyde-3-phosphate dehydrogenase with reticulocyte membranes. Letko G, et al. **Acta Biol Med Ger** 34(7):1145–51, 1975

Comparison of free and ribosome-bound phenylalanyl-tRNA synthetase from rabbit reticulocytes. Tanaka WK, et al. **Arch Biochem Biophys** 172(1):252–60, Jan 76

Dephosphorylation of 40S ribosomal subunits by phosphoprotein phosphatase activity from rabbit reticulocytes. Lightfoot HN, et al. **Biochem Biophys Res Commun** 66(4):1141–6, 27 Oct 75

Activities of membrane-bound and soluble catechol-O-methyltransferase in premature and mature erythrocytes from rats. Quiring K, et al. **Experientia** 31(9):1011–2, 15 SEP 75

A lipoxygenase in rabbit reticulocytes which attacks phospholipids and intact mitochondria. Schewe T, et al. **FEBS Lett** 60(1):149–52, 1 Dec 75

Studies on binding of GAPDH to particulate fractions of rabbit reticulocytes. pp. 631–4. Letko G, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten.**

Changes in the activity of rabbit reticulocyte cytochromoxidase under the influence of glucose-6-P. pp. 605–6. Ababei L, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Kinetics of hexokinase from reticulocyte mitochondria-release, rebinding and electrophoretical pattern. pp. 625–9. Gellerich FN, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Enzymatic characterization of rabbit reticulocyte mitochondria. pp. 587–92. Grecksch G, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Differences in molecular structure and substrate specificity between the pyrimidine-specific RNases of reticulocytes and pancreas. pp. 575–9. Prehn S, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Proceedings: Inhibition of protein synthesis initiation induced by intracellular ATP depletion. Giloh H, et al. **Isr J Med Sci** 11(11):1198–9, Nov 75

Activities of haem synthetic enzymes in blood cells of pre-natal flexed-tailed (f/f) anaemic mice. Cole RJ, et al. **J Embryol Exp Morphol** 34(2):373–86, Oct 75

Letter: Salicylates and PK-deficient reticulocytes. Henry R. **N Engl J Med** 295(4):229–30, 22 Jul 76

The beta-adrenergic receptor-adenyl-cyclase system of rat reticulocytes: effects of adrenergic stimulants and inhibitors. Gauger D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):379–98, 30 Jul 75

Porphobilinogen and porphyrin synthesis in reticulocytes from uraemic patients. Leber HW, et al. **Proc Eur Dial Transplant Assoc** 11:383–90, 1975

[Comparison of topographical locations of reticular cells with 5'-nucleotidase activity in spleen white pulp and lymph nodes in man and rat] Catayée G, et al. **C R Soc Biol (Paris)** 169(1):118–20, 1975 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Virus infections of lympho-reticular cells and auto-immune diseases. Denman AM, et al. **Transplant Rev** 31:79–115, 1976 (77 ref.)

[Letter: anti-reticulocyte autoantibodies in man] Monier JC. **Nouv Presse Med** 3(41–43):2579, 30 Nov–14 Dec 74 **(Fre)**

METABOLISM

Functional heterogeneity of the transport iron compartment II. In vivo differences between transferrin iron binding sites, and in vitro interbinding site iron exchange. Hahn D, et al. **Acta Haematol (Basel)** 53(6):321–8, 1975

Pig reticulocytes: I. Transitory glucose permeability and metabolism. Kim HD, et al. **Am J Physiol** 230(6):1668–75, Jun 76

Temperature sensitivity of protein synthesis initiation in reticulocyte cell-free systems. A ribosomal factor which protects protein synthesis inactivation at elevated temperatures. Mizuno S. **Arch Biochem Biophys** 173(2):703–9, Apr 76

Temperature sensitivity of initiation of protein synthesis in wheat germ cell-free extracts: conversion to temperature insensitivity by the ribosomal wash fraction from rabbit reticulocytes. Zehavi-Willner T, et al. **Arch Biochem Biophys** 172(2):706–14, Feb 76

Control of protein synthesis in reticulocyte lysates: the effect of nucleotide triphosphates on formation of the translational repressor. Balkow K, et al. **Biochem Biophys Res Commun** 67(1):366–75. 3 Nov 75

Phosphate compounds in rat erythrocytes and reticulocytes. Bartlett GR. **Biochem Biophys Res Commun** 70(4):1055–62, 21 Jun 76

Extraction from free ribosomes of a factor mediating ribosome detachment from rough microsomes. Blobel G. **Biochem Biophys Res Commun** 68(1):1–7, 12 Jan 76

Protein synthesis in rabbit reticulocytes. XIII. Lack of mRNA (poly r (A)) binding activity in highly purified EIF-1. Majumdar A, et al. **Biochem Biophys Res Commun** 67(2):689–95, 17 Nov 75

Polyamines can replace the dialyzable component from crude reticulocyte initiation factors. Salden M, et al. **Biochem Biophys Res Commun** 68(1):157–61, 12 Jan 76

Translation of avian myeloblastosis virus RNA in a reticulocyte cell-free system. Salden MH, et al. **Biochem Biophys Res Commun** 68(1):249–55, 12 Jan 76

Changes in the phospholipid composition of sheep reticulocytes on maturation. Kemp P, et al. **Biochem Soc Trans** 3(5):749–51, 1975

In vitro translation of globin: effect of proteins purified by affinity chromatography on polyadenylate-Sepharose. Fukami H, et al. **Biochemistry** 15(16):3529–35, 10 Aug 76

Analysis of the two steps in polypeptide chain initiation inhibited by pactamycin. Kappen LS, et al. **Biochemistry** 15(4):811–8, 24 Feb 76

A comparison of ribosomal proteins from rabbit reticulocytes phosphorylated in situ and in vitro. Traugh JA, et al. **Biochemistry** 15(3):610–6, 10 Feb 76

Defective protein synthesis of S-30 fraction of reticulocytes of anemic b/b rats. Ćuśić S, et al. **Biochim Biophys Acta** 435(1):63–8, 2 Jun 76

The divergence between human and baboon globin genes. Dalgleishi R, et al. **Biochim Biophys Acta** 435(1):76–81, 2 Jun 76

Inhibition of hemoglobin synthesis by pancreatic deoxyribonuclease in rabbit reticulocyte lysates. Felicetti L, et al. **Biochim Biophys Acta** 414(2):146–54, 4 Dec 75

Intraction of aminoacyl-tRNA synthetases with ribosomes and ribosomal subunits. Graf H. **Biochim Biophys Acta** 425(2):175–84, 4 Mar 76

Transferrin uptake and release by reticulocytes treated with proteolytic enzymes and neuraminidase. Hemmaplardh D, et al. **Biochim Biophys Acta** 426(3):385–98, 19 Mar 76

The mechanism of inhibition of initiation of protein synthesis in reticulocyte lysates by pyrocatechol violet. Margulies LJ, et al. **Biochim Biophys Acta** 435(2):152–8, 18 Jun 76

Temperature sensitivity of protein synthesis initiation in the reticulocyte lysate system. Reduced formation of the 40 S ribosomal subunit – Met-tRNAf complex at an elevated temperature. Mizuno S. **Biochim Biophys Acta** 414(3):273–82, 19 Dec 75

Evidence supporting a physiological role for the hemin-controlled translational repressor of globin synthesis in reticulocytes. Schulman HM. **Biochim Biophys Acta** 414(2):161–6, 4 Dec 75

The effect of serum and experimental variables on the transferrin and reticulocyte interaction. Workman EF Jr, et al. **Biochim Biophys Acta** 399(2):254–64, 13 Aug 75

Failure of rabbit reticulocytes to incorporate conalbumin or lactoferrin iron. Zapolski EJ, et al. **Biochim Biophys Acta** 421(1):80–6, 14 Jan 76

Free and membrane-boudn ribosomes. V. Iodination of rabbit reticulocyte polysomes. Fehlmann M, et al. **Biochimie** 57(11-12):1385-8, Nov-Dec 75

Hemin reversal of benzene-induced inhibition of reticulocyte protein synthesis. Forte FJ, et al. **Blood** 47(1):145-54, Jan 76

Lipid synthesis in human erythroid cells: the effect of sickling. Lane TA, et al. **Blood** 47(2):189-95, Feb 76

Translation of human globin mRNA: globin synthesis in cells containing Hb Leiden. Rieder RF, et al. **Blood** 47(3):489-94, Mar 76

betaS Chain turnover in reticulocytes of sickle trait individuals with high or low concentrations of haemoglobin S. Shaeffer JR, et al. **Br J Haematol** 32(3):365-72, Mar 76

Different lifetimes of reticulocyte messenger RNA. Lodish HF, et al. **Cell** 7(1):59-65, Jan 76

Reconfirmation of the specific nature of reticulocytes bioassay system to trichothec mycotoxins of Fusarium spp. Ueno Y, et al. **Chem Pharm Bull (Tokyo)** 22(11):2744-6, Nov 74

The effect of cobalt on haemoglobin synthesis in primate reticulocytes. Leisy M, et al. **Cytobios** 12(46):109-14, 1975

Subcellular localization of a lesion in protein synthesis in rabbit reticulocytes incubated at elevated temperatures. Bonanou-Tzedaki SA, et al. **Eur J Biochem** 61(2):397-407, 15 Jan 76

Effects of ricin on the ribosomal sites involved in the interaction of the elongation factors. Carrasco L, et al. **Eur J Biochem** 54(2):499-503, Jun 75

Functional relationships between a reticulocyte polypeptide-chain-initiation factor (IF-MP) and the translational inhibitor involved in regulation of protein synthesis by haemin. Clemens MJ. **Eur J Biochem** 66(2):413-22, 1 JUL 76

Control of haemoglobin synthesis. The effects of iron deprivation, cobalt and temperature on the rate and extent of globin synthesis in reticulocytes. Hunter AR, et al. **Eur J Biochem** 58(2):421-30, 15 Oct 75

Reaction of N-(3-pyrene)maleimide with thiol groups of reticulocyte ribosomes. Lee T, et al. **Eur J Biochem** 66(1):105-14, 15 Jun 76

Interaction between membrane functions and protein synthesis in reticulocytes. A membrane constituent which inhibits protein synthesis in cell-free system. Wreschner D, et al. **Eur J Biochem** 64(2):399-404, 1 May 76

Free cytoplasmic alpha-globin messenger RNA appears during the maturation of rabbit reticulocytes. Marbaix G, et al. **FEBS Lett** 66(2):269-73, 15 Jul 76

Small changes in energy charge affect protein synthesis in reticulocyte lysates. Rupniak HT, et al. **FEBS Lett** 58(1):99-101, 15 Oct 75

Inhibition of protein synthesis in reticulocyte lysates by double-stranded ribonucleic acid extracted from nuclei of leukemic cells. Torelli U, et al. **FEBS Lett** 56(1):96-100, 1 Aug 75

Properties of Isoaccepting tRNALys, tRNAGlu and tRNAGln from rabbit Reticulocytes and liver. Multiplicity, Codon Recognition and Inactivation by Iodine. Rudloff E, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1359-67, Sep 75

The regulatory role of heme in erythroid cells. pp. 413-22. Neuwirt J, et al.
In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

The role of heme in the release of iron from transferrin in rabbit reticulocytes. pp. 403-11. Poňka P, et al.
In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

Control mechanism of the Pasteur effect. pp. 617-24. Jacobasch G, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

The role of heme in the intracellular metabolism of iron in reticulocytes. pp. 543-8. Poňka P, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

Proceedings: Interaction between eukaryote ribosomes and nonacylated tRNA. Baksht E, et al. **Isr J Med Sci** 11(11):1196, Nov 75

Proceedings: Globin chain synthesis and distribution in erythroid precursors and in reticulocytes of alpha-thalassemic patients. Kirschmann C, et al. **Isr J Med Sci** 11(11):1222, Nov 75

Inhibition of the initial dipeptide synthesis of globin chains by the antibiotic enomycin in the reticulocyte lysate. Mizuno S, et al. **J Antibiot (Tokyo)** 29(3):309-15, Mar 76

Patterns of hemoglobin assembly in reticulocytes of sickle cell trait individuals. Shaeffer JR, et al. **J Biol Chem** 250(22):8630-4, 25 Nov 75

Regulation of translation in rabbit reticulocytes and mouse L-cells; comparison of the effects of temperature. Craig N. **J Cell Physiol** 87(2):157-66, Dec 75

Maturation of membrane function: transport of amino acid by rat erythroid cells. Wise WC. **J Cell Physiol** 87(2):199-201, Dec 75

A rabbit reticulocyte model for the role of hemin-controlled repressor in hypochromic anemias. Freedman ML, et al. **J Clin Invest** 57(3):594-603, Mar 76

Inhibition of protein synthesis in reticulocyte lysates by poliovirus. Racevskis J, et al. **J Gen Virol** 31(1):135-8, Apr 76

Comparison of the effects of carbamyl phosphate and sodium cyanate on protein synthesis and glutathione concentration in human sickle cell and rabbit reticulocytes. Freedman ML, et al. **J Pharmacol Exp Ther** 195(2):340-6, Nov 75

Loss of epinephrine stimulated synthesis of cyclic adenosine 3':5' monophosphate during maturation of rabbit and human reticulocytes. Babu CR, et al. **Med Biol** 53(3):148-55, Jun 75

Interaction between membrane properties and proteins synthesis in reticulocytes - a two step inhibition of protein synthesis by valinomycin. Breitbart H, et al. **Mol Biol Rep** 2(2):167-73, Jul 75

The nature of the differential inhibition of polyphenylalanine synthesis in extracts from Artemia salina and rabbit reticulocytes by the Phytolacca americana protein. Suits JP, et al. **Mol Biol Rep** 2(5):363-7, Apr 76

Distribution of globin genes in chicken reticulocyte chromatin fractionated on urografin gradients. Willetts BC, et al. **Mol Biol Rep** 2(6):479-86, Jul 76

In vitro transcription of chromatin in the presence of a mercurated nucleotide. Crouse GF, et al. **Proc Natl Acad Sci USA** 73(5):1564-7, May 76

Control of protein synthesis in reticulocyte lysates: effects of 3':5'-cyclic AMP, ATP, and GTP on inhibitions induced by hemedeficiency, double-stranded RNA, and a reticulocyte translationa inhibitor. Ernst V, et al. **Proc Natl Acad Sci USA** 73(4):1112-6, Apr 76

Association of a cyclic AMP-dependent protein kinase with a purified translational inhibitor isolated from hemin-deficient rabbit reticulocyte lysates. Levin DH, et al. **Proc Natl Acad Sci USA** 72(12):4849-53, Dec 75

Regulation of protein synthesis in rabbit reticulocyte lysates: characteristics of inhibition of protein synthesis by a translational inhibitor from heme-deficient lysates and its relationship to the initiation factor which binds Met-tRNAf. Ranu RS, et al. **Proc Natl Acad Sci USA** 73(8):2720-4, Aug 76

Ultrastructural study of erythrophagocytosis in the rat bone marrow II. Iron metabolism in reticulum cells following red cell digestion. Marton PF. **Scand J Haematol Suppl** 23:27-48, 1975

Letter: Reticulocyte transfer RNA and hemoglobin synthesis. Litt M. **Science** 193(4251):428-9, 30 Jul 76

Reticulocyte transfer RNA and hemoglobin synthesis. Smith DW. **Science** 190(4214):529-35, 7 Nov 75 (68 ref.)

[Antimycin A-resistant oxygen consumption in rabbit reticulocytes] Rapoport S, et al. **Acta Biol Med Ger** 34(8):1301-10, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Susceptibility of endogenous mRNA translation to emetine and cycloheximide in cell free systems from plasma cell tumors, reticulocytes and liver] Emmerich B, et al. **Hoppe Seylers Z Physiol Chem** 356(3):228, Mar 75 **(Ger)**

[Research on oxygen consumption in reticulocytes of young and old rabbits. Note I] Hurjui J, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):273-7, Apr-Jun 75 (Eng. Abstr.) **(Rum)**

[Experimental study of the respiration of the reticulocytes of young and old rabbits] Hurjui J, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):439-42, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

[Correlations between oxygen consumption, phosphate formation and lactate formation in the reticulocytes of young and old rabbits. Note III] Hurjui J, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):575-9, Oct-Dec 75 (Eng. Abstr.) **(Rum)**

PATHOLOGY

The anaemia associated with repeated leucapheresis. pp. 106-111. Woods AH, et al.
In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 I605L 1974.

PHYSIOLOGY

Reversal of the inhibitory action of the hemin-controlled translational repressor by a post-ribosomal supernatant factor from rabbit reticulocyte lysate. Gross M. **Biochem Biophys Res Commun** 67(4):1507-15, 15 Dec 75

Abnormal membrane surface properties during maturation of rat reticulocytes elicited by bleeding as measured by partition in two-polymer aqueous phases. Walter H, et al. **Br J Haematol** 31(2):149-57, Oct 75

Proceedings: Discrimination messenger RNA by a mammalian translation initiation factor. Nudel U, et al. **Isr J Med Sci** 11(11):1204, Nov 75

ULTRASTRUCTURE

Studies of the RNA and protein moieties of the larger subribosomal particle of rabbit reticulocytes. Godwin E, et al. **Acta Biol Med Ger** 33(5-6):733-52, 1974

On the electronmicroscopic structure of mRNA and pre-mRNA from rabbit reticulocytes and bone-marrow cells. Ladhoff AM, et al. **Acta Biol Med Ger** 33(5-6):771-7, 1974

Comments on the electron microscopical structure of rabbit reticulocyte ribosomal particles. Ladhoff AM, et al. **Acta Biol Med Ger** 33(5-6):809-12, 1974

Ultrastructural studies of the bone marrow in sickle cell anaemia. I. The structure of sickled erythrocytes and reticulocytes and their phagocytic destruction. Grasso JA, et al. **Br J Haematol** 31(2):135-48, Oct 75

RETICULOENDOTHELIAL SYSTEM

see related
HISTIOCYTES
PHAGOCYTES

The spleen-lung interface as diagnostic information. DeLuca SA, et al. **J Nucl Med** 16(9):822-4, Sep 75

Circulating lipophages and aortic foam cells in experimental atherosclerosis of rabbits under altered reticuloendothelial activity. Pachauri SP, et al. **Nutr Metab** 20(1):14-26, 1976

Short half-lived radiocolloids for delineation of the reticuloendothelial system in the bone marrow. Takahashi K. **Sci Rep Res Inst Tohoku Univ [Med]** 21(3-4):35-46, Dec 74

[Letter: The mononuclear phagocyte system of P. Chevallier. Acknowledgement of authorship] Bilski-Pasquier G, et al. **Nouv Presse Med** 3(41-43):2576, 30 Nov-14 Dec 74 **(Fre)**

[The mononuclear phagocyte system] Reikvam A, et al. **Lakartidningen** 73(30-31):987-91, 21 Jul 76 (Eng. Abstr.) **(Nor)**

[Reticuloendothelial system, lipid metabolism and atherosclerosis] Vinogradov AG, et al. **Patol Fiziol Eksp Ter** (2):3-12, Mar-Apr 75 (138 ref.) **(Rus)**

CYTOLOGY

Interdigitating reticulum cells in the popliteal lymph node of the rat. An ultrastructural and cytochemical study. Friess A. **Cell Tissue Res** 170(1):43-60, 20 Jul 76

[Assessment of the functional status of reticuloendothelial system cells] Pantelić D, et al. **Zb Vojnomed Akad** :45-9, 1974 **(Ser)**

DRUG EFFECTS

The stimulatory effects of diethylstilbestrol and diethylstilbestrol diphosphate on the reticuloendothelial cells of the rat spleen. Steven WM, et al. **Am J Anat** 144(3):339-59, Nov 75

Proceedings: The positive influence of aldosterone on depression of the reticulo-endothelial system in severe burns. Seitz HD, et al. **Br J Surg** 63(2):162, Feb 76

DPAVP: a vasopressin analog with selective microvascular and RES actions for the treatment of circulatory shock in rats. Altura BM. **Eur J Pharmacol** 37(1):155-67, May 76

Proceedings: Effects of arvin on rabbit coagulation and fibrinolytic systems after blockade of its R.E.S. Satti AG. **West Afr J Pharmacol Drug Res** 2(1):109P, Dec 74

[Influence of tissue emulsions on the phagocytic activity of the RES] Konstantinov P, et al. **Vet Med Nauki** 12(1):3-9, 1975 (Eng. Abstr.) **(Bul)**

[General adaptation syndrome (Selye) in the calf. 5. Effect of increased glucocorticosteroid values on the phagocytosis activity of luekocytes, the function of RHS and the morphology of lymphatic organs] Hartmann H, et al. **Arch Exp Veterinaermed** 30(1):59-73, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Effect of D-penicillamine on the proliferation of reticular cells during the course of experimental amyloidosis] Kozlowski H, et al. **Folia Haematol (Leipz)** 103(1):68-75, 1976 (Eng. Abstr.) **(Ger)**

[Hematopoiesis recovery in irradiated mice during treatment with RES-seeking dyes] Starostin VI. **Radiobiologiia** 15(3):449-52, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Pharmacological action of a new benzimidazole derivative. I. Action on the reticuloendothelial system] Fernández C, et al. **Rev Clin Esp** 141(1):51-6, 15 Apr 76 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Mechanical stress (shaking) and reticuloendothelial function in the chick embryo. Schmidt RR, et al. **Life Sci** 18(11):1273-7, 1 Jun 76

IMMUNOLOGY

Humoral deficiency and reticuloendothelial depression after traumatic shock. Kaplan JE, et al. **Am J Physiol** 230(1):7-14, Jan 76

A temporal relationship between reticuloendothelial system phagocytic alterations and antibody responses in mice infected with Plasmodium berghei (NYU-2 strain). Loose LD, et al. **Am J Trop Med Hyg** 25(2):221-8, Mar 76

Hepatic reticuloendothelial host defense failure following surgical trauma. Scovill WA, et al. **Arch Surg** 110(8):954-9, Aug 75

Membrane receptor sites for the identification of lymphoreticular cells in benign and malignant conditions. Jaffe ES, et al. **Br J Cancer** 31 SUPPL 2:107-20, Mar 75

Reticulo-endothelial phagocytosis in patients with nephritis. Drivas G, et al. **Br Med J** 1(6005):321, 7 Feb 76

Study of reticuloendothelial phagocytic capacity in patients with cholestasis. Drivas G, et al. **Br Med J** 1(6025):1568-9, 26 Jun 76

Enhancement of susceptibility to experimental phycomycosis by agents producing reticuloendothelial stimulation. Eades SM, et al. **Br Vet J** 131(5):622-4, Sep-Oct 75

Influence of reticuloendothelial blockade on the induction of tolerance and immunity by polysaccharides. Chaouat G, et al. **Immunology** 30(2):221-7, Feb 76

The fate and detection of circulating immune complexes. pp. 91-101. Mannik M, et al.

In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.

The mechanism of immunoinhibition by arachidonic and linoleic acid: effects on the lymphoid and reticulo-endothelial systems. Meade CJ, et al. **Int Arch Allergy Appl Immunol** 51(1):2-24, 1976

The phagocytic activity of the reticuloendothelial system of mice infected by Rauscher leukemia virus. Seidel HJ, et al. **J Reticuloendothel Soc** 19(3):173-82, Mar 76

Cellular localisation and antigenic species specificity of thymic factors. Teodorczyk JA, et al. **Nature** 258(5536):617-9, 18 Dec 75

Glucocorticoid-induced protection in circulatory shock: role of reticuloendotheilial system function. Altura BM. **Proc Soc Exp Biol Med** 150(1):202-6, Oct 75

Lympho-reticuloendothelial activity of early gastric carcinoma. Ouchi E, et al. **Tohoku J Exp Med** 116(4):333-9, Aug 75

The response of the mouse R-E system to infection with Toxoplasma gondii. Henry L, et al. **Virchows Archiv [Cell Pathol]** 20(1):55-69, 11 Feb 76

Stimulation of phagocytic activity by dextran. Buschmann H, et al. **Z Immunitaetsforsch** 143(2):209-10, Mar 72

Stimulation of the phagocytic activity of the reticuloendothelial system in adjuvant arthritis in the rat. Perllik F. **Z Immunitaetsforsch** 151(2):138-42, Apr 76

[Mobilization and pulmonary accumulation of RES cells after broncho-pulmonary irritation] pp. 117-27. Grünspan M.

In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974. (Eng. Abstr.) **(Fre)**

[Cellular immunity against bacteria (intracellular and extracellular parasites) in experimentally aged rats (author's transl)] Janev E, et al. **ZFA [Dresden]** 31(1):53-7, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the effect of uridine and of the uridine-cytidine mixture on the phagocytic activity of the reticuloendothelial system] D'Angelo P, et al. **Boll Soc Ital Biol Sper** 51(21):1524-30, 15 Nov 75 **(Ita)**

METABOLISM

The effect of manipulation of reticuloendothelial system activity on glomerular deposition of aggregated protein and immune complexes in two different strains of mice. Ford PM. **Br J Exp Pathol** 56(6):523-9, Dec 75

Reticuloendothelial vs. parenchymal storage. pp. 201-2. Finch CA.

In: Kief H, et.al., ed. Iron metabolism and its disorders. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.366 1975.

Relation between the reticulo-endothelial, system (RES) and extrarenal erythropoietin (Ep) production. pp. 227-39. Peschle C, et al.

In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

Comparative production of interferon by explanted lymphoreticular tissue and alveolar macrophages from rabbits and humans. Kolot FB, et al. **Infect Immun** 13(1):63-8, Jan 76

Diagnosis of cirrhosis and hepatitis by quantitative hepatic and other reticuloendothelial clearance rates. DeNardo SJ, et al. **J Nucl Med** 17(6):449-59, Jun 76

Estimation of RES phagocytosis and catabolism in man by the use of 125I-labeled microaggregates of human serum albumin. Bouveng R, et al. **J Reticuloendothel Soc** 18(3):151-9, Sep 75

MICROBIOLOGY

Early lymphoreticular viral tropism and antigen persistence. Tamiami virus infection in the cotton rat. Murphy FA, et al. **Lab Invest** 34(2):125-40, Feb 76

Electron microscopy of Cowdria ruminantium infected reticulo-endothelial cells of the mammalian host. Plessis JL. **Onderstepoort J Vet Res** 42(1):1-13, Mar 75

[Burnet's rickettsia in cells of the while mouse reticuloendothelial system in experimental Q-rickettsial infection (a histologic and electron microscopic study)] Ariel' BM, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:48-54, 1973 **(Rus)**

PATHOLOGY

Tumor growth of the reticuloendothelial system. Kojima M. **Acta Pathol Jpn** 26(3):273-94, May 76 (22 ref.)

Quantitative study of lymphoreticular infiltration into canine transmissible venereal sarcoma. Yang TJ, et al. **Virchows Archiv [Cell Pathol]** 20(3):197-204, 29 Apr 76

PHYSIOLOGY

Mesangial cell dysfunction detected by accumulation of aggregated protein in rats with streptozotocin induced diabetes. Wardle EN. **Biomedicine [Express]** 23(8):299-302, 20 OCT 75

Reticuloendothelial function in renal allograft recipients. Drivas G, et al. **Br Med J** 3(5986):743-5, 27 Sep 75

On the role of the reticular-epithelial complex in transplantation of the thymus. Bellamy D, et al. **Differentiation** 3(1-3):115-21, 11 Aug 75

Editorial: Kinetics of the phagocytic function of the reticulo-endothelial system. Areekul S. **J Med Assoc Thai** 59(2):49-51, Feb 76

Activity of the reticuloendothelial system following endocrine manipulation in rats. Bilder GE. **J Reticuloendothel Soc** 19(1):11-7, Jan 76

Impairment of clearance by the reticuloendothelial system of bursectomized chickens. Waltenbaugh CR, et al. **J Reticuloendothel Soc** 19(1):3-9, Jan 76

Effect of activation of the reticuloendothelial system on formation of virus-inhibiting factor or interferon. Nagano Y, et al. **Jpn J Microbiol** 19(3):228-31, Jun 75

Targets of endotoxin action. Walker RI. **Milit Med** 141(2):97-9, Feb 76

[Effect of the quality of various vegetable oil emulsions on phagocytotic activity of the reticuloendothelial system in the rat] Pipy B, et al. **Ann Nutr Aliment** 29(4):271-84, 1975 **(Fre)**

[A method for the study of relations between the lung and the reticulo-endothelial system] Grunspan M. **Pathol Biol (Paris)** 23(6):470-4, Jun 75 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Importance of sex and estrogens in amelioration of lethal circulatory stress reactions: relationship to microcirculatory and reticuloendothelial system function. Altura BM. **Adv Exp Med Biol** 67(00):289-312, 1976

Hypoglycemic depression of RES function. Buchanan BJ, et al. **Am J Physiol** 231(1):265-9, Jul 76

A new method for studying splenic reticuloendothelial dysfunction in sickle cell disease patients and its clinical application: a brief report. Casper TJ, et al. **Blood** 47(2):183-8, Feb 76

Increased erythropoietin production in anephric rats with hyperplasia of the reticuloendothelial system induced by colloidal carbon or zymosan. Peschle C, et al. **Blood** 47(2):325-37, Feb 76

Reticuloendothelial phagocytosis in patients with nephritis. Onyewotu II. **Br Med J** 1(6010):646, 13Mar 76

Immunological studies in protein malnutrition: observations on 'RES' function in mice suffering from protein calorie malnutrition. Gautam SC, et al. **Indian J Med Res** 63(9):1298-308, Sep 75

Effect of surgical trauma on host defense. Saba TM, et al. **Surg Annu** 7:71-102, 1975 (160 ref.)

Phagocytic and catabolic function of the reticuloendothelial system in dogs subjected to defibrinogenation. Ahlgren T, et al. **Thromb Res** 8(6):819-28, Jun 76

RADIATION EFFECTS

Selective elimination of marrow precursors with the bone-seeking isotope 89Sr: implications for hemopoiesis, lymphopoiesis, viral leukemogenesis and infection. Bennett M, et al. **J Reticuloendothel Soc** 20(1):71-87, Jul 76

ULTRASTRUCTURE

Virus-like particles and some ultrastructural aspects of lymphoreticular cells in rheumatoid synovial membrane. pp. 225-33. Neumark T, et al.

In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (41 ref.)

[Sturcture and function of the mononuclear phagocytic system (MPS) in chronic rhinosinusitis. A light and electron microscopic investigation (author's transl)] Albegger KW. **Arch Otorhinolaryngol (NY)** 214(1):27-48, 31 AUG 76 (Eng. Abstr.) **(Ger)**

RETICULOENDOTHELIOSIS

Mycosis fungoides and its relation to Sézary's syndrome, lymphomatoid papulosis, and primary cutaneous Hodgkin's disease. A clinical, histopathologic and cytologic study of fourteen cases and a critical review of the literature. Brehmer-Andersson E. **Acta Derm Venereol [Suppl] (Stockh)** 56(75):3-142, 1976

Cutaneous T-cell lymphomas: the Sézary syndrome, mycosis fungoides, and related disorders. Lutzner M, et al. **Ann Intern Med** 83(4):534-52, Oct 75

Histiocytic medullary reticulosis. Sullivan JR, et al. **Aust NZ J Med** 5(4):347-55, Aug 75

Possible histiocytic medullary reticulosis. Knight AG, et al. **Proc R Soc Med** 69(3):233-4, Mar 76

Histiocytic medullary reticulosis: a report of four cases from India. Gupta O, et al. **Trop Geogr Med** 28(1):31-6, Mar 76

[Proceedings: Woringer and Kolopp's cutaneous epidermotropic reticulosis] Touraine R, et al. **Ann Dermatol Syphilogr (Paris)** 102(4):394-5, 1975 **(Fre)**

[Scott and Robb-Smith's histiocytosis] Dao C, et al. **Nouv Presse Med** (23):1725-7, 7 Jun 75 **(Fre)**

[Letter: Malignant histiocytosis] Gratecos N, et al. **Nouv Presse Med** 5(2):93, 10 Jan 76 **(Fre)**

[Lymphohistiocytosis. Apropos of a recent case with hematophagia] Battin J, et al. **Pediatrie** 31(4):367-80, Jun-Jul 76 (Eng. Abstr.) **(Fre)**

[Multicentric reticulohistiocytosis (lipoid dermato-arthritis). Apropos of a case with fatal outcome] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 43(2):123-32, Feb 76 (Eng. Abstr.) **(Fre)**

[Malignant histiocytosis] Gratecos N, et al. **Sem Hop Paris** 52(24):1477-80, 23 Jun 76 **(Fre)**

[Knotty reticulosis with keloid formation] Kruspl W, et al. **Z Hautkr** 50(3):117-25, 1 Feb 75 **(Ger)**

[Anatomo-cyto-pathology and clinico-nosological classification of histiocytosic syndromes in children] Morrone G. **Pediatria (Napoli)** 83(1):165-83, 31 Mar 75 (148 ref.) **(Ita)**

[Left hemiplegia and a reduced cognition level following recovery from right hemiplegia: malignant reticulosis] Gakuta T, et al. **Jpn J Clin Med** Spec No:806-7, 1188-9, 10 Apr 75 **(Jpn)**

[Fever, edema, ascites and hepatosplenomegaly: malignant reticulohistiocytosis originating at the spleen] Hasegawa Y, et al. **Jpn J Clin Med** Spec No:794-5, 1166-9, 10 Apr 75 **(Jpn)**

[Sustained high fever and hepatosplenomegaly: reactive reticulosis with appearance of Hodgkin-type cells] Ichida F, et al. **Jpn J Clin Med** Spec No:800-1, 1176-9, 10 Apr 75 **(Jpn)**

[Fever and anemia (with lymphopenia, presence of atypical monocytic cells and hepatosplenomegaly): malignant reticulosis] Nagamura S, et al. **Jpn J Clin Med** Spec No:798-9, 1172-5, 10 Apr 75 **(Jpn)**

[Remittent fever, hepatosplenomegaly, thrombopenia and transverse spinal cord symptoms: histiocytic medullary reticulosis] Okita H, et al. **Jpn J Clin Med** Spec No:810-1, 1194-7, 10 Apr 75 **(Jpn)**

[Nodule formation at the neck, abdominal distention and ambulation and speech disorders: histiocytic medullary reticulosis] Suzuki M, et al. **Jpn J Clin Med** Spec No:804-5, 1184-7, 10 Apr 75 **(Jpn)**

[Current state of the problem of reticuloblastomatosis] Shtern RD. **Klin Med (Mosk)** 53(6):16-21, Jun 75 (82 ref.) (Eng. Abstr.) **(Rus)**

[Sezar's syndrome] Sotillo Gago I, et al. **Actas Dermosifiliogr** 66(5-6):305-10, May-Jun 75 **(Spa)**

BLOOD

Letter: Variations in peripheral Sézary cell count. Heaphy MR, et al. **Arch Dermatol** 112(4):590, Apr 76

Inhibition of DNA polymerase by sera of patients having leukemia and other reticuloendothelial malignancies. Gottlieb AA, et al. **Bibl Haematol** (43):69-73, Oct 75

'Hairy' cell leukaemia (leukaemic reticuloendotheliosis): a scanning electron microscopic study of eight cases. Golomb HM, et al. **Br J Haematol** 29(3):455-60, Mar 75

The Sezary's syndrome. Prunieras M. **Trans St Johns Hosp Dermatol Soc** 61(1-2):1-10, 1975

[Lienal platelet storage and sp!enectomy in lymphoproloferative hemoblastoses] Heck J, et al. **Med Welt** 26(38):1704-5, 19 Sep 75 **(Ger)**

[Hairy cell leukemia. Studies on the nature of hairy cells, with special reference to anti-hairy cell serum (author's transl)] Kitani T. **Jpn J Clin Hematol** 17(4):444-52, Apr 76 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Hairy cell leukemia - reclassification of an old entity. Feagler JR, et al. **Nebr Med J** 60(8):272-6, Aug 75

[Some observations and considerations on reticuloses] Szodoray L. **Dermatol Monatsschr** 161(10):842-50, Oct 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Atypical Sézary syndrome: 'T cell leukaemia' associated with reversible clubbing, acrolysis and infiltration of skin and liver. Dawkins RL, et al. **Australas J Dermatol** 16(1):9-12, Apr 75

Sinus histiocytosis with massive lymphadenopathy: fifteen new cases. Lampert F, et al. **Cancer** 37(2):783-9, Feb 76

A case of predominantly cutaneous immunocollagenopathy, reticulosis, and leukemia. Scarpa C, et al. **Ital Gen Rev Dermatol** 11(3):221-37, Sep-Dec 74

[Multiple reticulohistiocytic granuloma with eosinophilia on erythroderma] Orfanos C, et al. **Z Hautkr** 50(18):799-800, 15 Sep 75 **(Ger)**

[A case of leukemic reticulosis, myelogenous type with consumption coagulopathy and mediastinal tumor involving the thymus (author's transl)] Yoshikawa H, et al. **Jpn J Clin Hematol** 17(5):553-61, May 76 (Eng. Abstr.) **(Jpn)**

[Generalized reticuloendotheliosis with a course of migrating arthralgia] Mozolová D, et al. **Cesk Pediatr** 30(6):284-6, Jun 75 (Eng. Abstr.) **(Slo)**

CONGENITAL

Congenital hemophagocytic reticulosis. Koto A, et al. **Am J Clin Pathol** 65(4):495-503, Apr 76

DIAGNOSIS

Positive mono-spot test in histiocytic medullary reticulosis. Merrill RH, et al. **Am J Clin Pathol** 65(3):407-11, Mar 76

Hematology problem of the month. Evans V. **Am J Med Technol** 41(12):445-7, Dec 75

Sézary syndrome. Staughton RC, et al. **Br J Dermatol** 95 Suppl 24:75-6, Jul 76

Malignant histiocytosis with massive splenomegaly in asymptomatic patients. A possible chronic form of the disease. Vardiman JW, et al. **Cancer** 36(2):419-27, Aug 75

Letter: Elevated muramidase levels in histiocytic medullary reticulosis. Duffy TP, et al. **N Engl J Med** 294(3):167-8, 15 Jan 76

[Epidermotropic reticulosis (Woringer-Kolopp disease). Arguments in favor of a relationship with mycosis fungoides] Castermans-Elias S. **Arch Belg Dermatol** 30(4):187-94, Oct-Dec 74 (Eng. Abstr.) **(Fre)**

[Sézary's syndrome] Pruniéras M, et al.

Pathol Biol (Paris) 23(7):553–65, Sep 75 (Eng. Abstr.) **(Fre)**

[Clinical, histological and photobiological peculiarities of actinic retinculoid] Frain-Bell W. **Dermatol Monatsschr** 161(1):32–7, Jan 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Differential diagnosis and clinical picture of reticuloses and reticular reactions] Kresbach H. **Hautarzt** 27(5):243–4, May 76 **(Ger)**

[Sézary's syndrome. Case report] Weber K, et al. **Hautarzt** 26(5):255–9, May 75 (Eng. Abstr.) **(Ger)**

[Sézary syndrome] Cohnen G. **Med Monatsschr** 29(4):153–5, APR 75 **(Ger)**

[Multicentric, disseminated reticulohistiocytosis with plasma cells] Wüstner H, et al. **Z Hautkr** 50(19):819–20, 1 Oct 75 **(Ger)**

[Malignant reticuloendoteliosis. Prognostic analysis] González-Chirinos P, et al. **Bol Med Hosp Infant Mex** 33(1):151–60, Jan-Feb 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Leukemic reticuloendotheliosis: report of a case with prolonged remission following intensive chemotherapy. Davis TE, et al. **Arch Intern Med** 136(5):620–2, May 76

Malignant histiocytosis: complete remission with combination chemotherapy. Stein RS, et al. **Cancer** 38(3):1083–6, Sep 76

Bacillus species infection in patients with hematologic neoplasia. Pennington JE, et al. **JAMA** 235(14):1473–4, 5 Apr 76

[A case of 'chronic' leukemic reticuloendotheliosis with excellent response to chemotherapy (author's transl)] Yoshikawa H, et al. **Jpn J Clin Hematol** 16(11):1050–8, Nov 75 (Eng. Abstr.) **(Jpn)**

[Effect of the cytotoxic action preparation fotrin on the function of the adrenal cortex in the treatment of reticulodermia] Soloveĭ SN, et al. **Vestn Dermatol Venerol** (12):8–11, Dec 75 (Eng. Abstr.) **(Rus)**

Malignant histiocytic reticulosis. Effect of bleomycin by intra-arterial route. Report of a case] Schnitzler L, et al. **Med Cutan Iber Lat Am** 3(5):383–5, 1975 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Histiocytic medullary reticulosis with parallel increases in serum acid phosphatase and disease activity. White DR, et al. **Cancer** 37(3):1403–11, Mar 76

Studies of intracellular distribution of acid phosphatase 5 in the spleen cells of leukemic reticuloendotheliosis by isopycnic gradient centrifugation. Lam KW, et al. **Clin Chim Acta** 70(2):289–95, 15 Jul 76

Letter: Elevated muramidase levels in histiocytic medullary reticulosis. Klockars M, et al. **N Engl J Med** 294(16):901–2, 15 Apr 76

ETIOLOGY

[Extensive rubrophytia with consecutive reticulosis] Szodoray L. **Dermatol Monatsschr** 162(2):129–30, Feb 76 **(Ger)**

[Proceedings: Generalized BCG-histiocytosis with fatal outcome] Heilmann K, et al. **Verh Dtsch Ges Pathol** 59:462, 1975 **(Ger)**

IMMUNOLOGY

Formation of mouse red cell rosettes by 'hairy' cells. Catovsky D, et al. **Biomedicine [Express]** 23(3):81–4, 10 Apr 75

H-rosette formation in T-cell-proliferative diseases. Sheldon PJ, et al. **Br Med J** 4(5993):381–3, 15 Nov 75

Hemophagocytic reticulosis. A case report with investigations of immune and white cell function. Fullerton P, et al. **Cancer** 36(2):441–5, Aug 75

Surface immunoglobulins and lymphocyte-specific surface antigens on leukaemic reticuloendotheliosis cells. Stein H, et al. **Clin Exp Immunol** 18(1):63–71, Sep 74

Surface immunoglobulins and lymphocyte-specific surface antigens on leukaemic reticuloendotheliosis cells. Stein H, et al. **Clin Exp Immunol** 18(1):63–71, Sep 74

Exaggerated antibody response following rubella vaccination in a child with sinus histiocytosis with massive lymphadenopathy. Sumaya CV, et al. **J Pediatr** 89(1):81–3, Jul 76

Simultaneous occurrence of IgG3-kappa and IgG2-lambda paraproteins in a 12-year-old girl with malignant reticulosis. Tichý M, et al. **Neoplasma** 23(3):301–4, 1976

Strong expression of Fc-receptors on leukemic cells in hairy cell leukemia. Rieber EP, et al. **Z Immunitaetsforsch** 151(3):282–8, Apr 76

[The surface markers on the abnormal lymphoid cells in the so-called 'reticulosis' (author's transl)] Saito H. **Jpn J Clin Hematol** 17(4):436–43, Apr 76 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Oncornavirus-like particles from cultured bone marrow cells preceding leukemia and malignant histiocytosis. Vosika GJ, et al. **Proc Natl Acad Sci USA** 72(7):2804–8, Jul 75

OCCURRENCE

Histiocytic medullary reticulosis (malignant histiocytosis) in Zambia. Hutt MS, et al. **J Trop Med Hyg** 78(10–11):239–42, Oct–Nov 75

PATHOLOGY

Sezary syndrome with arthropathy. Report of a case. Furey NL, et al. **Acta Derm Venereol (Stockh)** 55(5):381–6, 1975

The Sézary syndrome cell: surface ultrastructural characteristics. Golomb HM, et al. **Acta Haematol (Basel)** 54(2):106–14, 1975

Cells containing Langerhans cell granules in human lymph nodes of 'atypical hyperplasia' with fatal outcome and leukemic reticuloendotheliosis. Shamoto M, et al. **Acta Pathol Jpn** 26(3):311–23, May 76

Leukemic reticuloendotheliosis. A study of the origin of the malignant cell. King GW, et al. **Am J Med** 59(3):411–6, Sep 75

Necropsy and ultrastructural findings in histiocytic medullary reticulosis. Piñol-Aguadé J, et al. **Br J Dermatol** 95(1):35–44, Jul 76

Hairy cell leukemia (leukemic reticuloendotheliosis) II. Ultrastructure of the spleen. Burke JS, et al. **Cancer** 37(5):2267–74, May 76

The platelet in leukemic reticuloendotheliosis. Functional and morphological evidence of a qualitative disorder. Levine PH, et al. **Cancer** 36(4):1353–8, Oct 75

The heterogeneity of leukemic reticuloendotheliosis, 'hairy cell leukemia'. Evidence for its monocytic origin. Scheinberg M, et al. **Cancer** 37(3):1302–7, Mar 76

Sézary's syndrome: a cytogenetic, cytophotometric and autoradiographic study. Bosman FT, et al. **J Pathol** 118(1):49–57, Jan 76

Letter: Acute lymphoblastic leukemia and histiocytic medullary reticulocytosis. **JAMA** 233(12):1258–9, 22 Sep 75

Clinical conferences at The Johns Hopkins Hospital. **Johns Hopkins Med J** 138(1):24–9, Jan 76

Letter: Hairy cells of leukaemic reticuloendotheliosis. Golomb HM, et al. **Lancet** 2(7975):39, 3 Jul 76

Letter: Hairy cells. Spriggs AI. **Lancet** 1(7956):427, 21 Feb 76

Letter: Unusual cytological appearance of hairy cell. Woessner S, et al. **Lancet** 1(7963):812, 10 Apr 76

Cutaneous benign histiocytoses of childhood. Gianotti F. **Mod Probl Paediatr** 17:193–203, 1975

[Histiocytic medullary reticulosis and herpetic necrotizing inclusion hepatitis] Bednář. **Cesk Patol** 12(1):22–30, Feb 76 (Eng. Abstr.) **(Cze)**

[Trichocellular leukemia] Kodousek R, et al. **Cesk Patol** 12(1):15–21, Feb 76 **(Cze)**

[Reticulohistiocytosis of benign evolution (Hashimoto-Pritzker type). Electron microscopy study] Laugier P, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):21–31, 1975 (Eng. Abstr.) **(Fre)**

[Lymph node pathology during dermatoses with circulating Sézary cells] Chelloul N, et al. **Biomedicine** 24(1):62–79, Jan 76 (Eng. Abstr.) **(Fre)**

[Human peripheral neurolymphomatosis (reticuloendothelial polyradiculoneuritis)] Trelles JO, et al. **J Neurol Sci** 28(2):187–202, Jun 76 (Eng. Abstr.) **(Fre)**

[Cerebral involvement in the Sézary syndrome (author's transl)] Gerstenbrand F, et al. **J Neurol** 212(1):55–64, 23 Mar 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Diagnosis of 'hairy-cell leukemia' (leukemic reticuloendotheliosis) from the biopsy of bone marrow] Vykoupil KF, et al. **Verh Dtsch Ges Pathol** 59:479, 1975 **(Ger)**

[Conjunctival change in Sézary's syndrome (author's transl)] Tamura T, et al. **Acta Soc Ophthalmol Jpn** 79(5):468–73, 10 May 75 (Eng. Abstr.) **(Jpn)**

[Malignant reticulosis--a case study] Inoue K, et al. **Hokkaido J Med Sci** 50(5):515–20, Sep 75 **(Jpn)**

[Pancytopenia with fever and hepatosplenomegaly] **Jpn J Clin Hematol** 16(12):1160–72, Dec 75 **(Jpn)**

[Autopsy study of malignant reticulohistiocytosis simulating so-called lymphoid interstitial pneumonia] Hochi M, et al. **Jpn J Clin Med** 33(7):2422–5, 10 Jul 75 **(Jpn)**

[Necrotic reticulosis. A manifestation of Scott and Robb-Smith's disease?] Piñol Asuadé JP, et al. **Med Cutan Iber Lat Am** (1):15–30, 1974 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Lymphography in malignant histiocytosis: case report. Musumeci R, et al. **Lymphology** 9(2):66–8, Jun 76

[Radiographic study of multicentric reticulohistiocytosis] Yamamoto I, et al. **Jpn J Clin Radiol** 20(5):419–22, May 75 **(Jpn)**

THERAPY

Antilymphocyte globulin in the treatment of advanced Sézary syndrome. Barett AJ, et al. **Lancet** 1(7966):940–1, 1 May 76

Sézary syndrome: treatment by leukophoresis. Tan RS, et al. **Proc R Soc Med** 68(10):648–9, Oct 75

[Use of plasma subsititutes solutions in patients with diseases of the blood system] Rozanova LM, et al. **Probl Gematol Pereliv Krovi** 21(2):43–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Principles of modern therapy of primary skin reticulosis] Potekaev NS, et al. **Vestn Dermatol Venerol** (2):8–14, Feb 74 (Eng. Abstr.) **(Rus)**

VETERINARY

Reticuloendotheliosis in a dog. Coons FH, et al. **Cornell Vet** 66(2):249–57, Apr 76

Neoplasms of mesenchymal origin in the spinal cord and nerve roots of three dogs. Vandevelde M, et al. **Vet Pathol** 13(1):47–58, 1976

RETICULUM

Letter: Calculi in the reticulum of a steer. Biddle RR, et al. **Aust Vet J** 51(11):538, Nov 75

Prevention of traumatic indigestion in cattle. Poulsen JS. **Vet Rec** 98(8):149–51, 21 Feb 76

ANATOMY & HISTOLOGY

Dissection technique for examination of the bovine ruminoreticulum. McGavin MD, et al. **J Anim Sci** 42(2):535–8, Feb 76

PHYSIOLOGY

Exaggerated response of rumino-reticular contraction to medullary stimulation in the buffalo. Sud SC, et al. **Indian J Exp Biol** 14(1):19–21, Jan 76

RETICULUM CELL-LIKE SARCOMA, YOSHIDA see **SARCOMA, YOSHIDA**

RETICULUM CELL SARCOMA see **SARCOMA, RETICULUM CELL**

RETINA

see related
ANGIOID STREAKS
ELECTRORETINOGRAPHY

A theoretical analysis of off-axis streak retinoscopy. Keating MP. **Am J Optom Physiol Opt** 52(11):750–7, Nov 75

Cavernous hemangioma of the retina: report of four cases. Klein M, et al. **Ann Ophthalmol** 7(9):1213–21, Sep 75

Cavernous haemangioma of the retina and optic disc. A report of three cases and a review of the literature. Lewis RA, et al. **Br J Ophthalmol** 59(8):522–34, Aug 75 (37 ref.)

Retinal microscope Stubbs GM. **Br J Ophthalmol** 60(5):390–1, May 76

Presumed glial retinal hamartomas in Usher's syndrome. Awan KJ. **Can J Ophthalmol** 11(3):258–60, Jul 76

Haemangiomas of the fundus. Von Winning CH. **Doc Ophthalmol** 40(2):361–81, 31 Mar 76

Two microwave experiments and the possibility of a holographic model of the retina. pp. 120–3. Tricoles G, et al.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Use of the astigmatism correction device on the Zeiss fundus camera for peripheral retinal photography. Busse BJ, et al. **Int Ophthalmol Clin** 16(2):63–74, Summer 76

Retinal sensitivity to damage from short wavelength light. Ham WT Jr, et al. **Nature** 260(5547):153–5, 11 Mar 76

Interactions between retinal and phospholipids in monomolecular films at acid pH. Puppala N, et al. **Z Naturforsch [C]** 30(4):478–83, Jul-Aug 75

[A case of retinoblastoma with an unusual clinical manifestation. (33 cases of retinoblastoma since 1950)] Bronner A, et al. **Bull Soc Ophtalmol Fr** 74(11):1107–9, Nov 74 **(Fre)**

[Cryotherapy of retinal angiomas due to Von-Hippel-Lindau disease] Haut J, et al. **Bull Soc Ophtalmol Fr** 74(12):1125–9, Dec 74 **(Fre)**

[50 years of of retinal tumor therapy at the Curie Foundation] Haye C, et al. **Bull Soc Ophtalmol Fr** 75(1):23–30, Jan 75 **(Fre)**

[Testing of a new streak retinoscope with a calibrated collimator] Koch HR, et al. **Ber Dtsch Ophthalmol Ges** (73):473–9, 1975 (Eng. Abstr.) **(Ger)**

[Analysis of proteins of subretinal fluid from experimental retinal detachment by disc electrophoresis (author's transl)] Ishimaru R. **Acta Soc Ophthalmol Jpn** 79(10):1459–67, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Metaplastic transformation of the tissue of the eye in tadpoles and adult Xenopus laevis frogs] Sologub AA. **Ontogenez** 6(6):563–71, 1975 (Eng. Abstr.) **(Rus)**

[Pigment epithelioma of the retina] Kaminskaia IuS, et al. **Vestn Oftalmol** (1):54–6, 1976 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Heterogeneity of congenital retinal non-attachment, falciform folds and retinal dysplasia. A guide to genetic counselling. Warburg M. **Hum Hered** 26(2):137–48, 1976

Retinal dysplasia due to feline panleukopenia virus infection. Percy DH, et al. **J Am Vet Med Assoc** 167(10):935–7, 15 Nov 75

Destructive and conservative treatment of persistent hyperplastic primary vitreous and retinal dysplasia. Scuderi G, et al. **Ophthalmologica** 172(4):346–52, 1976

[Genetic microcephaly and chorio-retinal dysplasia in siblings] Cordier J, et al. **Bull Soc Ophtalmol Fr** 75(4):473–7, Apr 75 **(Fre)**

[Retinal embryonal colobomatous cyst] Dufier JL, et al. **Bull Soc Ophtalmol Fr** 75(1):19, 21, Jan 75 **(Fre)**

[Electron microscopic studies on retinal dysplasia (author's transl)] Onishi Y, et al. **Acta Soc Ophthalmol Jpn**

79(5):486–93, 10 May 75 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The distribution of free amino acids in subdivision of rat and frog retinae obtained by a new technique. Yates RA, et al. **Brain Res** 107(1):117–26, 30 Apr 76

Localization of ions in retina by secondary ion mass spectrometry. Bellhorn MB, et al. **Exp Eye Res** 22(5):505–18, May 76

Reassessment of histochemistry of retinal glycogen. Mizuno K, et al. **Exp Eye Res** 21(5):489–97, Nov 75

Hereditary retinal dystrophy in the rat: lipid composition of debris. Organisciak DT, et al. **Exp Eye Res** 22(2):101–13, Feb 76

Retinol–binding protein in bovine retina: isolation and partial characterization. Saari JC, et al. **Exp Eye Res** 22(5):425–33, May 76

Retinol and retinyl esters in pigment epithelium of rats with inherited retinal degeneration. Nicotra C, et al. **Experientia** 32(2):147–8, 15 Feb 76

Distribution of rhodopsin and retinochrome in the squid retina. Hara T, et al. **J Gen Physiol** 67(6):791–805, Jun 76

The distribution of taurine in the vertebrate retina. Orr HT, et al. **J Neurochem** 26(3):609–11, Mar 76

Micro–determinations of alpha–tocopherol in tissue lipids. Nishiyama J, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(5):355–61, 1975

The measurement of the ostwald solubility coefficient of krypton in blood and ocular tissue. Strang R. **Phys Med Biol** 20(6):1025–8, Nov 75

Lipids of ocular tissues—X. Lipid composition of subcellular fractions of bovine retina. Anderson RE, et al. **Vision Res** 15:1087–90, Oct 75

Isolation by polyacrylamide gel electrophoresis of a light–sensitive vitamin A–protein complex from the retina of the honeybee drone. Pepe IM, et al. **Vision Res** 16(9):905–8, 1976

[Acetylcholine content and acetylcholinesterase activity of the retina in white rats with experimental hyperlipemia] Pojda SM. **Klin Oczna** 45(12):1273–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Distribution of selenium in the retina] pp. 50–1. Dzhafarov AI, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Retinal pigments and carotenoids of the light–shading 'spectacles' of the greenling Hexagrammus octogrammus] Shukolyukov SA, et al. **Zh Evol Biokhim Fiziol** 11(2):140–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Anatomical organization of retinotectal afferents in the cat: an autoradiographic study. Graybiel AM. **Brain Res** 96(1):1–23, 10 Oct 75

Mode of termination of retinotectal fibers in macaque monkey: an autoradiographic study. Hubel DH, et al. **Brain Res** 96(1):25–40, 10 Oct 75

An autoradiographic study of the retino–cortical projections in the tree shrew (Tupaia glis). Hubel DH. **Brain Res** 96(1):41–50, 10 Oct 75

Retinofugal projections in the opossum, An anterograde degeneration and radioautographic study. Lent R, et al. **Brain Res** 107(1):9–26, 30 Apr 76

Discontinuous mapping of retina onto tectum innervated by both eyes. Levine RL, et al. **Brain Res** 98(1):172–6, 7 Nov 75

Electrophysiological identification of the climbing and mossy fiber pathways from the rabbit's retina to the contralateral cerebellar flocculus. Maekawa K, et al. **Brain Res** 109(1):169–74, 4 Jun 76

Retinal projections in Vipera aspis. A reinvestigation using light radioautographic and electron microscopic degeneration techniques. Repérant J, et al. **Brain Res** 107(3):603–9, 14 May 76

Visual projection in surgically created 'compound' tectum in adult goldfish. Sharma SC. **Brain Res** 93(3):497–501, 15 Aug 75

Direct visual input to the limbic system: crossed retinal projections to the nucleus anterodorsalis thalami in the tree shrew. Conrad CD, et al. **Exp Brain Res** 23(2):141–9, 14 Aug 75

Retinogeniculate projections in hooded and albino rats: an autoradiographic study. Hickey TL, et al. **Exp Brain Res** 24(5):523–9, 15 Mar 76

Variations in the laterality of the central projections of retinal ganglion cells. Lund RD. **Exp Eye Res** 21(2):193–203, Aug 75 (47 ref.)

The retina and central projections of heterochromic rats. Wise RP, et al. **Exp Neurol** 51(1):68–77, Apr 76

Morphological duality of the retinal pattern in flies. Wada S. **Experientia** 31(8):921–3, 15 Aug 75

Photogrammetric measurement of the retina of the eye. pp. 172–84. Dowman IJ, et al. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.**

Monkey retinal ganglion cells: morphometric analysis and tracing of axonal projections, with a consideration of the peroxidase technique. Bunt AH, et al. **J Comp Neurol** 164(3):265–85, 1 Dec 75

Retinogeniculate projections in albino and ocularly hypopigmented rats. Creel D, et al. **J Comp Neurol** 166(4):445–55, 15 Apr 76

Organization of retinocollicular pathways in the cat. Harting JK, et al. **J Comp Neurol** 166(2):133–44, 15 Mar 76

A quantitative analysis of the cat retinal ganglion cell topography. Hughes A. **J Comp Neurol** 163(1):107–28, Sep 75

The projections of different morphological types of ganglion cells in the cat retina. Kelly JP, et al. **J Comp Neurol** 163(1):65–80, Sep 75

The retina and retinal projection on the lamina ganglionaris of the crayfish Pacifastacus leniusculus (Dana). Näsel DR. **J Comp Neurol** 167(3):341–59, 1 Jun 76

Retinofugal pathways in the lingnose gar Lepisosteus osseus (linnaeus). Northcutt RG, et al. **J Comp Neurol** 166(1):1–15, 1 Mar 76

Regional specialization in the golden hamster's retina. Tiao YC, et al. **J Comp Neurol** 168(4):439–57, 15 Aug 76

Light and electron microscopy of the ground squirrel retina: functional considerations. West RW. **J Comp Neurol** 168(3):355–77, 1 Aug 76

Proceedings: Evidence for a dopaminergic component in the milk–ejection reflex of the rat. Clarke G, et al. **J Endocrinol** 67(2):33P–34P, Nov 75

The ommatidium of the lacewing Chrysopa (Neuroptera). Horridge GA, et al. **Proc R Soc Lond [Biol]** 192(1108):259–71, 17 Feb 76

Aberrant nerve fibre bundles in the retina of the dog. Weisse I, et al. **Vet Pathol** 13(1):27–35, 1976

Morphology of the retina and dorsal lateral geniculate nucleus in dark–reared monkeys (Macaca nemestrina). Hendrickson A, et al. **Vision Res** 16(5):517–21, 1976

A supplement to the cat schematic eye. Hughes A. **Vision Res** 16(2):149–54, 1976

An evaluation of the 'ramp' retina of the horse eye. Sivak JG, et al. **Vision Res** 15(12):1353–6, Dec 75

The accommodative significance of the 'ramp' retina of the eye of the stingray. Sivak JG. **Vision Res** 16(9):945–50, 1976

[Light and activity rhythm of Phaner furcifer (nocturnal malagasy Prosimian) in its natural environment (author's transl)] Pariente GF. **J Physiol (Paris)** 70(5):637–47, Dec 75 (Eng. Abstr.) **(Fre)**

[Spatial arrangement and quantitative distribution of retinal elements in the eye of Nannacara anomala (Teleostei)] Wagner HJ. **Verh Anat Ges** 68:879–84, 1974 **(Ger)**

[Retinocerebellar relationships in the cat] Bregvadze IA. **Arkh Anat Gistol Embriol** 69(9):91–4, Sep 75 (Eng. Abstr.) **(Rus)**

[Morphologic types of bipolar cells identified by regular grids of their axonal varicosities in the inner synaptic layer of the clupeid retina] Podugol'nikova TA, et al. **Neirofiziologiia** 7(1):60–5, 1975 **(Rus)**

[A microscopic study of the comparative morphology of the retina] Shkol'nik–Iarros EG, et al. **Neirofiziologiia** 7(1):66–73, 1975 **(Rus)**

BLOOD SUPPLY

Rabbit electroretinogram during recovery from induced ischaemia. Foulds WS, et al. **Trans Ophthalmol Soc UK** 94(2):383–93, Jul 74

Effects of acute ischaemia on the structure of the rabbit retina. Preliminary observations. Johnson NF. **Trans Ophthalmol Soc UK** 94(2):394–405, Jul 74

CYTOLOGY

Spatial summation properties of goldfish ganglion cells. Afanador AJ, et al. **Am J Optom Physiol Opt** 53(4):177–81, Apr 76

A dynamic model of retinal cells in the vertebrate retina. Hara K, et al. **Biol Cybern** 20(2):61–7, 15 Oct 75

The effect of adaptation level on the responses of two types of on–centre cells in the cat optic tract. Pollack JG, et al. **Br J Physiol Opt** 28(3):175–81, 1973

Isolated horizontal cells of elasmobranch retinae. Kaneko A, et al. **Brain Res** 105(3):567–72, 9 Apr 76

An assessment of the generation times of neuronal precursors in the sensory retina and subventricular zone of the newborn rat. Freddo TF, et al. **Can J Ophthalmol** 11(3):223–8, Jul 76

Adaptation and dynamics in X–cells and Y–cells of the cat retina. Jakiela HG, et al. **Exp Brain Res** 24(4):335–42, 26 Feb 76

Cat retinal ganglion cells projecting to the superior colliculus as shown by the horseradish peroxidase method. Magalhães–Castro HH, et al. **Exp Brain Res** 25:541–9, 28Jul 76

Generation and degeneration of retinal ganglion cells in the chicken. Rager G, et al. **Exp Brain Res** 25:551–3, 28Jul 76

Conduction velocity groupings among axons of cat retinal ganglion cells, and their relationship to retinal topography. Rowa MH, et al. **Exp Brain Res** 25(4):339–57, 30 Jun 76

Functional classification of cells in the optic tract of a tree shrew (Tupaia chinensis). van Dongen PA, et al. **Exp Brain Res** 24(4):441–6, 26 Feb 76

Lectin–mediated stimulation of DNA synthesis in cultures of embryonic neural retina cells. Kaplowitz PB, et al. **Exp Cell Res** 100(1):177–89, Jun 76

Properties of ganglion cells in the visual streak of the cat's retina. Rowe MH, et al. **J Comp Neurol** 169(1):99–125, 1 Sep 76

Proceedings: Some properties of bipolar cells in the retina of dogfish and rays. Ashmore JF, et al. **J Physiol (Lond)** 258(2):39P–40P, Jun 76

Effects of external ions on the synaptic transmission from photoreceptors to horizontal cells in the carp retina. Kaneko A, et al. **J Physiol (Lond)** 252(2):509–22, Nov 75

Interplexiform cells of the mammalian retina and their comparison with catecholamine–containing retinal cells. Boycott BB, et al. **Proc R Soc Lond [Biol]** 191(1104):353–68, 2 Dec 75

Isolated retinal cells of some lower vertebrates. Anctil M, et al. **Rev Can Biol** 32(2):107–19, Jun 73

Structural basis for ON–and OFF–center responses in retinal ganglion cells. Famiglietti EV Jr, et al. **Science** 194(4261):193–5, 8 Oct 76

Color receptor identities of goldfish cones. Marc RE, et al. **Science** 191(4226):487–9, 6 Feb 76

Direct identification of the cell bodies of Y–, X– and W–cells in the cat's retina. Fukuda Y, et al. **Vision Res** 15:1034–6, Aug–Sep 75

Horizontal cells of the avian retina. Gallego A, et al. **Vision Res** 15:1029–30, Aug–Sep 75

Re–examination of horizontal cells in the carp retina with procion yellow electrode. Hashimoto Y, et al. **Vision Res** 16(1):25–9, Jan 76

Quantity and topography of frog's retinal ganglion cells. Kalinina AV. **Vision Res** 16(9):929–34, 1976

Cone structure and visual pigment content in the retina of the goldfish. Stell WK, et al. **Vision Res** 16(6):647–57, 1976

A reclassification of retinal ganglion cells in the frog, based upon tectal endings and response properties. Witpaard J, et al. **Vision Res** 15(12):1333–8, Dec 75

Cone input to bipolar cells in the turtle retina. Yazulla S. **Vision Res** 16(7):737–44, 1976

Cone input to horizontal cells in the turtle retina. Yazulla S. **Vision Res** 16(7):727–35, 1976

[Retinal projections in Caiman sclerops. Autoradiographic study] Repérant J. **C R Acad Sci [D] (Paris)** 280(25):2881–4, 30 Jun 75 (Eng. Abstr.) **(Fre)**

[Vulnerability of early postnatal differention processes of the retina and the teratogenic effect of cyclophosphamide (Endoxan)] Foerster H, et al. **Acta Anat (Basel)** 93(2):161–70, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Effect of glutamate on retinal horizontal cells] Kankeko A, et al. **J Physiol Soc Jpn** 36(8–9):298, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of drugs on bipolar cells of the carp retina] Murakami M, et al. **J Physiol Soc Jpn** 36(8–9):298–9, 1 Sep 74 **(Jpn)**

[Proceedings: Histological, physiological study of horizontal cells in rays' retina] Toyoda J, et al. **J Physiol Soc Jpn** 36(8–9):300–1, 1 Sep 74 **(Jpn)**

[Models simulating adaptation of retinal cells: cones, horizontal cells and bipolar cells] Yamane S. **Jpn J Med Electron** 13(1):18–25, Feb 75 (Eng. Abstr.) **(Jpn)**

[Horizontal cells of the retina in terrestrial mammals] Gallego A. **Trab Inst Cajal Invest Biol** 65:227–57, 1973 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Retinal lipidosis in albino rats treated with chlorphentermine and with tricyclic antidepressants. Lüllmann–Rauch R. **Acta Neuropathol (Berl)** 35(1):55–67, 18 May 76

Influence of ouabain on the fine structure of teleost retina. Wolburg H. **Acta Neuropathol (Berl)** 34(3):255–66, 30 Mar 76

Melanotropic drugs and retinal functions. I. Effects of quinine and chloroquine on the sheep ERG. Calissendorff. **Acta Ophthalmol (Kbh)** 54(1):109–17, Feb 76

Melanotropic drugs and retinal functions. II. Effects of phenothiazine and rifampicin on the sheep ERG. Calissendorff B. **Acta Ophthalmol (Kbh)** 54(1):118–28, Feb 76

Ionic movements in the isolated chicken retina during spreading depression. Ramos JG. **Acta Physiol Lat Am** 25(2):112–9, 1975

Potassium and retinal sensitivity. Dowling JE, et al. **Brain Res** 107(3):617–22, 14 May 76

In vivo effects of glycine on retinal ultrastructure and averaged electroretinogram. Korol S, et al. **Brain Res** 97(2):235–51, 31 Oct 75

Time– and dose–dependent influence of ouabain on the ultrastructure of optic neurones. Wolburg H. **Cell Tissue Res** 164(4):503–17, 18 Dec 75

The effect of retinol and acetylsalicylic acid on the release of lysosomal enzymes from rat retina in vitro. Dewar AJ, et al. **Exp Eye Res** 20(1):63–72, Jan 75

Neural retinal and pigment epithelial cells in culture: patterns of differentiation and effects of prostaglandins and cyclic–AMP on pigmentation. Redfern N, et al. **Exp Eye Res** 22(5):559–68, May 76

Formation of lipoperoxide in the retina of rabbit exposed to high concentration of oxygen. Hiramitsu T, et al. **Experientia** 32(5):622–3, 15 May 76

The effects of dopamine, piribedil (ET–495) and its metabolite S–584 on retinal adenylate cyclase. Schorderet M. **Experientia** 31(11):1325–7, 15 Nov 75

[Effect of a selenium compound on the formation of the electroretinogram under various experimental conditions] pp. 11–22. Abdullaev GB, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.)

Dopamine receptor supersensitivity in rat retina after light deprivation. pp. 225–34. Trabucchi M, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

The effects of acetazolamide on the human electroretinogram. Stanescu B, et al. **Invest Ophthalmol** 14(12):935–7, Dec 75

Spontaneous and lectin-induced redistribution of cell surface receptors on embryonic chick neural retina cells. McDonough J, et al. **J Cell Sci** 19(2):357–68, Nov 75

Proceedings: Effect of aerosol and local administration of amino acids on the retinal photic responses in the carp. Negishi K, et al. **J Physiol Soc Jpn** 36(8–9):299, 1 Sep 74

Influence of various amino acids on the bioelectrical response to light stimulation of a superfused frog retina. Urban PF, et al. **Life Sci** 18(5):473–9, 1 Mar 76

Specific effects of neurotransmitter antagonists on ganglion cells in rabbit retina. Wyatt HJ, et al. **Science** 191(4223):204–5, 16 Jan 76

[Interaction of drugs and retinal cells] Rosner J, et al. **Actual Pharmacol (Paris)** 27:87–115, 1974 (135 ref.) **(Fre)**

[Increase of intercellular adhesion of chick embryo neuroretina cells by peptides from bovine serum albumin] Cornet M, et al. **C R Acad Sci [D] (Paris)** 281(21):1621–3, 24 Nov 75 **(Fre)**

[A histological and electron microscopic study of the rabbit retina after application of vincristin (author's transl)] Koniszewski G, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):147–56, 14 Apr 76 (Eng. Abstr.) **(Ger)**

[Electroretinogram of the rabbit under vincristine] Rix R, et al. **Ber Dtsch Ophthalmol Ges** (73):175–6, 1975 **(Ger)**

[Influence of amino acids active on the central nervous system on the ERG of isolated retinas] von Lützow A, et al. **Vision Res** 15:1097–102, Oct 75 (Eng. Abstr.) **(Ger)**

[Postnatal growth inhibition in the rat retina after actinomycin D adminstration] Orthaus M, et al. **Z Mikrosk Anat Forsch** 89(4):665–91, 1975 (Eng. Abstr.) **(Ger)**

[Visual system in persons having chronic personal contact with CS–2 with special reference to the ERG examination] Palacz O, et al. **Klin Oczna** 45(12):1319–25, Dec 75 (Eng. Abstr.) **(Pol)**

[Effect of a selenium compound on the formation of a retinal response evoked by an electrical stimulus] pp. 23–31. Abdullaev GB, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Cholinergic mechanisms of interneuronal transmission in the retina] Dettmar P. **Neirofiziologiia** 7(1):48–54, 1975 **(Rus)**

[The effect of acetylcholine on the membrane potential of goldfish retina horizontal cells and the frog electroretinogram] Zak PP, et al. **Neirofiziologiia** 7(1):55–9, 1975 **(Rus)**

EMBRYOLOGY

Secondary effects of fetal eye damage in rats on intact central optic projections. Lund RD, et al. **Brain Res** 92(2):279–89, 11 Jul 75

Scanning electron microscopic studies on the development of the chick retina. Meller K, et al. **Cell Tissue Res** 170(2):145–59, 26 Jul 76

Retinal-tectal connections in the embryonic chick: evidence for regionally specific cell surface components which mimic the pattern of innervation. Balsamo J, et al. **Dev Biol** 49(2):338–46, Apr 76

Synthesis and phosphorylation of chromosomal nonhistone proteins during embryonic development of neural retina. Banks-Schlegel SP, et al. **Dev Biol** 50(1):1–15, May 76

Adhesive recognition between developing retinal cells and the optic tecta of the chick embryo. Barbera AJ. **Dev Biol** 46(1):167–91, Sep 75

The development of the retino-tectal projection in Rana pipiens. Currie J, et al. **Dev Biol** 46(1):103–19, Sep 75

Inhibition of DNA synthesis in embryonic mouse retina as a result of gene interaction. Konyukhov BV, et al. **Dev Biol** 45(1):1–6, Jul 75

A study of ocular morphogenesis in the rat using (3H)thymidine autoradiography: evidence for thymidine recycling in the developing retina. Silver J. **Dev Biol** 49(2):487–95, Apr 76

Binding of 125I-concanavalin A and agglutination of embryonic neural retina cells. Age-dependent and experimental changes. Martinozzi M, et al. **Exp Cell Res** 94(2):253–66, Sep 75

In vitro elimination of oocyte melanosomes from the retinal rudiment of the frog, Rana pipiens. Hollyfield JG. **Exp Eye Res** 22(2):129–40, Feb 76

Two types of bipolar cells in the chick retinal development. Yew DT, et al. **Experientia** 31(9):1077–8, 15 SEP 75

Developmental origin and early differentiation of retinal Müller cells in mice. Bhattacharjee J, et al. **J Anat** 120(2):367–72, Nov 75

A requirement for reversible binding between aggregating embryonic cells before stable adhesion. Umbreit J, et al. **J Biol Chem** 250(24):9360–8, 25 Dec 75

The effects of early tectal lesions on development in the retinal gonglion cell layer of chick embryos. Franklin Hughes W, et al. **J Comp Neurol** 163(3):265–83, 1 Oct 75

Polarization of the avian retina. Ocular transplantation studies. Goldberg S. **J Comp Neurol** 168(3):379–91, 1 Aug 76

The development of the retinotectal projection in Xenopus with one compound eye. Feldman JD, et al. **J Embryol Exp Morphol** 33(3):775–87, Jun 75

The determination of polarity in the developing insect retina Lawrence PA, et al. **J Embryol Exp Morphol** 33(2):471–86, Apr 75

Immunochemical analysis of water-soluble antigens of chick retina in the course of embryogenesis. Mikhailov AT, et al. **J Embryol Exp Morphol** 34(3):531–57, Dec 75

Reorganization of retinotectal projection of compound eyes after various tectal lesions in Xenopus. Straznicky K. **J Embryol Exp Morphol** 35(1):41–57, Feb 76

Hydrocortisone-mediated regulation of gene expression in embryonic neural retina: induction of glutamine synthetase. Moscona AA. **J Steroid Biochem** 6(5):633–8, May 75 (18 ref.)

On the presence of a 'particle-bound' neuraminidase in retina: a developmental study. Dreyfus H, et al. **Life Sci** 18(10):1057–63, 15 May 76

Ectopic neurons and aberrant connections during neural development. Clarke PG, et al. **Proc Natl Acad Sci USA** 72(11):4455–8, Nov 75

A gradient of adhesive specificity in developing avian retina. Gottlieb DI, et al. **Proc Natl Acad Sci USA** 73(2):410–4, Feb 76

Mechanisms of adhesion among cells from neural tissues of the chick embryo. Rutishauser U, et al. **Proc Natl Acad Sci USA** 73(2):577–81, Feb 76

[Incidence of early excision of the retina on the development of the optic pedicle in the chicken] Trab MA, et al. **C R Soc Biol (Paris)** 169(6):1593–6, 1975 (Eng. Abstr.) **(Fre)**

[Electron microscopic observations on the histogenesis of the chick embryo retina. II. Differentiation of the visual cells (author's transl)] Mishima H. **Acta Soc Ophthalmol Jpn** 79(7):744–57, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Morphological differentiation of the retina of the eye of Rana temporaria L. tadpoles during the prometamorphosis period] Balaian KS. **Biol Nauki** (7):15–9, 1975 **(Rus)**

[Functional differentiation of the retinal photoreceptors of grass frog tadpoles during early prometamorphosis] Balaian KS. **Biol Nauki** (9):24–30, 1975 **(Rus)**

[Analysis of the formation of tissue antigens of the retina of chicks in embryogenesis] Mikhailov AT, et al. **Ontogenez** 6(6):546–53, 1975 (Eng. Abstr.) **(Rus)**

[Cell population kinetics during retinal histogenesis in Rana temporaria frogs] Sinitsina VF. **Ontogenez** 6(4):402–7, 1975 (Eng. Abstr.) **(Rus)**

[Cell population kinetics during retinal histogenesis in Rana temporaria frogs] Sinitsina VF. **Ontogenez** 6(4):402–7, 1975 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Retina-specific LDH isozyme in blueback herring, Alosa aestivalis (Mitchell), and alewife, Alosa pseudoharengus (Wilson). McKenzie JA. **Anim Blood Groups Biochem Genet** 6(4):245–7, 1975

Interferon suppresses glutamine synthetase induction in chick embryonic neural retina. Matsuno T, et al. **Biochem Biophys Res Commun** 70(1):310–4, 3 May 76

Protein inhibitor of cyclic adenosine 3':5'-monophosphate phosphodiesterase in retina. Dumler IL, et al. **Biochim Biophys Acta** 429(2):474–8, 8 Apr 76

The distribution of succinic semialdehyde dehydrogenase in the brain and retina of the tiger salamander. Moore CL, et al. **Brain Res** 67(3):467–78, 8 Mar 74

Some properties of acetylcholinesterase from rat retina. Tunnicliff G, et al. **Can J Biochem** 54(4):389–92, Apr 76

Studies on hydroxyindole-O-methyltransferase in frog brain and retina: enzymology, regional distribution and environmental control of enzyme levels. Eichler VB, et al. **Comp Biochem Physiol [C]** 50(1):89–95, 1 Jan 75

Choline acetyltransferase of rat retina a comparison of its properties with the enzyme from brain. Tsukada Y, et al. **Comp Biochem Physiol [C]** 54(2):63–6, 1976

Retinal cyclic-AMP phosphodiesterase activity in two strains of dystrophic rat. Dewar AJ, et al. **Exp Eye Res** 21(3):299–306, Sep 75

Localization of ATPase in bovine retinal outer segments. Hemminki K. **Exp Eye Res** 20(1):79–88, Jan 75

Biochemical aspects of the visual process. XXX. Distribution of stereospecific retinol dehydrogenase activities in subcellular fractions of bovine retina and pigment epithelium. Zimmerman WF, et al. **Exp Eye Res** 21(4):325–332, Oct 75

Developmental changes of carbonic anhydrase in the retina of the mouse: a histochemical study. Bhattacharjee J. **Histochem J** 8(1):63–70, Jan 76

Choline acetyltransferase and acetylcholine esterase activities in normal and biologically fractionated mouse retinas. Ross D, et al. **Invest Ophthalmol** 14(10):756–61, Oct 75

Distribution of enzyme activities in subcellular fractions of bovine retina. Zimmerman WF, et al. **J Biol Chem** 251(15):4700–5, 10 Aug 76

The distribution of choline acetyltransferase activity in vertebrate retina. Ross CD, et al. **J Neurochem** 26(3):521–6, Mar 76

Cysteine sulfinate carboxylase in the visual pathway of adult chicken. Mathur RL, et al. **Life Sci** 18(1):75–9, 1 Jan 76

Localization of gamma-glutamyl transpeptidase in the retinal pigment epithelium and visual receptor cells. Tate SS, et al. **Life Sci** 18(10):1145–8, 15 May 76

Enzymatic synthesis of glucocerebroside by UDP-glucose: ceramide glucosyltransferase during ontogenesis of chicken retina. Dreyfus H, et al. **Lipids** 10(9):545–7, Sep 75

Dopamine- and apomorphine-sensitive adenylate cyclase in homogenates of rabbit retina. Bucher MB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):103–7, 6 May 75

[Study of pyridine nucleotides in ocular tissues. III. Concentration of NAD and NADH in the retina of various animals] Scuderi G, et al. **Boll Soc Ital Biol Sper** 51(20):1366–8, 30 Oct 75 **(Ita)**

[Electron histochemical demonstration of phosphorylase activity in the living retina (author's transl)] Amemiya T, et al. **Acta Soc Ophthalmol Jpn** 80(4):191–5, 1976 (Eng. Abstr.) **(Jpn)**

[Differences in phosphorylase activity in the chick retina between light and dark condition (author's transl)] Amemiya T, et al. **Acta Soc Ophthalmol Jpn** 80(3):138–41, Mar 76 (Eng. Abstr.) **(Jpn)**

[Toxicity of organophorous pesticide (fenthion) on the retina. Electroretinographic and biochemical study. Correlative study especially on its residue actions on the retina, liver and blood cholinesterase activities and on electroretinogram (author's transl)] Imai H. **Acta Soc Ophthalmol Jpn** 79(8):1067–76, Aug 75 (Eng. Abstr.) **(Jpn)**

[Effect of circulatory disturbance of choroid on acid phosphatase activity (author's transl)] Kikuchi T. **Acta Soc Ophthalmol Jpn** 79(10):1487–501, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Histochemical studies on retinal choline acetyltransferase and acetylcholinesterase (author's transl)] Miyata M, et al. **Acta Soc Ophthalmol Jpn** 79(10):1481–6, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Effect of hyperlipemia on the activity of some oxidative enzymes of the retina in clinical experience and animal experiments] Pojda SM. **Klin Oczna** 45(7):753–9, Jul 75 (Eng. Abstr.) **(Pol)**

[Guanidinoacetate-N-methyltransferase: location in mammalian retina and rat Harderian gland] Mardashchev SR. **Biokhimiia** 40(2):353–7, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The growth of the chick retina after hatching. Morris VB, et al. **Anat Rec** 184(1):111–3, Jan 76

Light damage in the developing rat retina. Kuwabara T, et al. **Arch Ophthalmol** 94(8):1369–74, Aug 76

Developmental abnormality of the retina caused by postnatal administration of cytosine arabinoside. Shimada M, et al. **Biol Neonate** 26(5–6):359–66, 1975

Histogenesis of retina in the clawed frog with implications for the pattern of development of retinotectal connections. Jacobson M. **Brain Res** 103(3):541–5, 27 Feb 76

Further studies on the effect of 6-hydroxydopamine in retinal development. Yew DT. **Experientia** 32(4):504–5, 15 Apr 76

The vulnerability of neuroblast during postnatal time. pp. 430–8. Lierse W. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Developmental patterns of gangliosides and of phospholipids in chick retina and brain. Dreyfus H, et al. **J Neurochem** 25(3):245–50, Sep 75

The development of the electroretinogram in normal and light-deprived rabbits. Reuter JH. **Pfluegers Arch** 363(1):7–13, 6 May 76

Binocular interaction and intertectal neuronal connexions: dependence upon developmental stage. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):445–66, 16 Dec 75

[Postnatal development of the rat retina under DNS-inhibitor (chloroquinediphosphate) mediation (author's transl)] Ferrier R, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):129–44, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Light- and electron microscopy studies on the developing retina of the blue dwarft mouthbreeder Haplochromis burtoni (Cichlidae, Teleostei)] Rohrschneider I. **Verh Anat Ges** 69:659–63, 1975 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Experimental specific memory reaction to cornea, lens, and retina antigens. Benezra D. **Arch Ophthalmol** 94(4):661–4, Apr 76

Humoral and cellular immunity to retinal antigens in guinea pigs. de Kozak Y, et al. **Mod Probl Ophthalmol** 16:51–8, 1976

Experimental autoimmune uveo-retinitis and specificity of retinal antigens. Faure JP, et al. **Mod Probl Ophthalmol** 16:21–9, 1976

Experimental allergic uveitis: induction by retinal rod outer segments and pigment epithelium. Meyers RL. **Mod Probl Ophthalmol** 16:41–50, 1976

Demonstration of cell-mediated immunological reactivity to transplantation antigens in uveo-retinal tissues. Uthoff D, et al. **Mod Probl Ophthalmol** 16:59–61, 1976

The role of uveal and retinal antigens in experimental autoimmune ocular pathology. Wacker WB, et al. **Mod Probl Ophthalmol** 16:12–20, 1976 (15 ref.)

INJURIES

Vitreoretinal juncture; healing of experimental wounds. Foos RY, et al. **Albrecht von Graefes Arch Klin Ophthalmol**

196(3):213–20, 5 Sep 75
Letter: Alkali retinopathy. Coyle JT. **Arch Ophthalmol** 94(9):1629, Sep 76
Histopathology of ruby and argon laser lesions in monkey and human retina. A comparative study. Marshall J, et al. **Br J Ophthalmol** 59(11):610–30, Nov 75
A study of the dynamics of retrograde transport and accumulation of horseradish peroxidase in injured neurons. Halperin JJ, et al. **Brain Res** 100(2):253–69, 19 Dec 75
Mechanisms of retinal damage resulting from the exposure of rhesus monkeys to ultrashort laser pulses. Goldman AI, et al. **Exp Eye Res** 21(5):457–69, Nov 75
Effect of the ocular media on the main wavelengths of argon laser emission. Pomerantzeff O, et al. **Invest Ophthalmol** 15(1):70–7, Jan 76
[Post-traumatic retinal condensation] François P, et al. **Bull Soc Ophtalmol Fr** 75(3):295–7, Mar 75 **(Fre)**
[Clinical and histological studies following argon-laser effect on the retina. —Histo-pathological evaluation of laser injuries for the assessment of a functional injury threshold for lasers] Wallow IH, et al. **Ber Dtsch Ophthalmol Ges** (73):374–86, 1975 **(Ger)**
[Traumatic maculopathy] Kałużny J, et al. **Klin Oczna** 45(10–11):1133–8, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

METABOLISM

De novo glycerolipid biosynthesis in the toad and cattle retina. Redirecting of the pathway by propranolol and phentolamine. Bazán NG, et al. **Adv Exp Med Biol** 72:139–48, 1976
Retinal gangliosides: composition, evolution with age. Biosynthetic and metabolic approaches. Dreyfus H, et al. **Adv Exp Med Biol** 71:163–88, 1976 (101 ref.)
The uptake and release of gamma-aminobutyric acid (GABA) by the retina. Neal MJ. **Adv Exp Med Biol** 69:211–20, 1976
Corticosteroid receptors in the neural retina and other tissues of the chick embryo. Koehler DE, et al. **Arch Biochem Biophys** 170(1):102–13, Sep 75
Effects of laser photocoagulation on adenine nucleotides in rabbit retinas. Snyder DA, et al. **Arch Ophthalmol** 94(6):1004–8, Jun 76
Inhibition by 5-bromo-2'-deoxyuridine of differentiation-dependent changes in glycosaminoglycans of the retina. Morris JE, et al. **Biochem Biophys Res Commun** 69(4):1065–72, 19 Apr 76
Glutamate uptake by chick retina. Tunnicliff G. **Biochem J** 150(2):297–9, Aug 75
Efflux from isolated rat retina of amino acids formed from different substrates. Starr MS. **Biochem Pharmacol** 24(24):2287–91, 15 Dec 75
Studies on the uptake of taurine by the isolated neural retina and pigment epithelium of the frog. Lake N, et al. **Biochem Soc Trans** 3(4):524–5, 1975
The rate of rhodopsin phosphorylation in isolated rentinas of frog and cattle. Kühn H, et al. **Biochim Biophys Acta** 428(1):13–8, 25 Mar 76
Selective neuronal accumulation of omega-amino acids in the rabbit retina. Ehinger B. **Brain Res** 107(3):541–54, 14 May 76
Light-evoked release of glycine from cat and rabbit retina. Ehinger B, et al. **Brain Res** 113(3):535–49, 3 Sep 76
Different effects of calcium flux-blocking agents on light and potassium stimulated release of taurine from retina. López-Colomé A, et al. **Brain Res** 113(3):527–34, 3 Sep 76
Stereospecific binding of etorphine in isolated neural cells and in retina, determined by a sensitive microassay. Medzihradsky F. **Brain Res** 108(1):212–9, 21 May 76
High-affinity choline transport in the isolated retina. Neal MJ, et al. **Brain Res** 93(3):548–51, 15 Aug 75
Calcium coupled release of [35S]taurine from retina. Salceda R, et al. **Brain Res** 96(1):206–11, 10 Oct 75
Effect of light stimulation on the synthesis and release of GABA in rat and frog retinae. Starr MS. **Brain Res** 100(2):343–53, 19 Dec 75
The uptake of [3H]gamma-amino butyric acid and [3H]glycine by the isolated retina of the frog. Voaden MJ, et al. **Brain Res** 67(1):115–32, 15 Feb 74
Receptors for alpha-bungarotoxin in the developing visual system of the chick. Wang GK, et al. **Brain Res** 114(3):524–9, 24 Sep 76
The uptake of L-glutamate by the retina. White RD, et al. **Brain Res** 111(1):79–93, 23 Jul 76
Synaptic chemistry of identified cells in the vertebrate retina. Lam DM. **Cold Spring Harbor Symp Quant Biol** 40:571–9, 1975
Transport of retinol from the blood to the retina: an autoradiographic study of the pigment epithelial cell surface receptor for plasma retinol-binding protein. Bok D, et al. **Exp Eye Res** 22(5):395–402, May 76
Retinol and retinoic acid-binding proteins in bovine retina: aspects of binding specificity. Futterman S, et al. **Exp Eye Res** 22(5):419–24, May 76
Reduction of the retinal-opsin linkage in isolated frog retinas. Hall MO, et al. **Exp Eye Res** 22(6):595–609, Jun 76 (35 ref.)
Transport of retinol from the blood to the retina: involvement of high molecular weight lipoproteins as intracellular carriers. Heller J, et al. **Exp Eye Res** 22(5):403–10, May 76
Letter: Further observations on the uptake of (3H)glycine by the isolated retina of the frog. Marshall J, et al. **Exp Eye Res** 22(2):189–91, Feb 76
Localization of (3H2)vitamin A in mouse retina. Pourcho RG, et al. **Exp Eye Res** 21(4):359–367, Oct 75
A role for calcium in the migration of retinal screening pigment in the frog. Synder WZ, et al. **Exp Eye Res** 22(4):377–88, Apr 76
Letter: A hypothetical model for the possible involvement of rhodopsin phosphorylation in light and dark adaptation in the retina. Weller M, et al. **Exp Eye Res** 21(4):405–408, Oct 75
A receptor for retinol in the developing retina and pigment epithelium. Wiggert BO, et al. **Exp Eye Res** 21(2):143–51, Aug 75
Retinol receptors of the retina and pigment epithelium: further characterization and species variation. Wiggert BO, et al. **Exp Eye Res** 22(5):411–8, May 76
Weak neuronal accumulation of octopamine in dopaminergic neurons of the rabbit retina. Ehinger B. **Experientia** 32(7):890–1, 1976
Characterization of catecholamine receptors in rat retina. pp. 199–218. Wassenaar JS, et al.
In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.
The role of taurine in retina: factors affecting its release. pp 191–200. Pasantes-Morales H, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Metabolism of retina acylglycerides and arachidonic acid. pp. 89–97. Bazán NG, et al.
In: Paoletti R, et al., ed. Lipids. Vol 1: Biochemistry. New York, Raven Press, 1976. QU 85 I5918L 1974.
Peroxidase uptake by photoreceptor terminals of the skate retina. Ripps H, et al. **J Cell Biol** 70(1):86–96, Jul 76
Enzymic basis for cyclic GMP accumulation in degenerative photoreceptor cells of mouse retina. Farber DB, et al. **J Cyclic Nucleotide Res** 2(3):139–48, 1976
Studies on the uptake and release of radioactive taurine by the frog retina. Kennedy AJ, et al. **J Neurochem** 27(1):131–7, Jul 76
Developmental changes in the kinetics of gamma-aminobutyric acid transport by chick retina. Tunnicliff G, et al. **J Neurochem** 25(5):649–52, Nov 75
Incorporation of (3H)-arachidonic acid into cattle retina lipids: high uptake in triacylglycerols, diacylglycerols, phosphatidylcholine and phosphatidylinositol. de Bazán HE, et al. **Life Sci** 17(11):1671–7, 1 Dec 75
Interconversion of putrescine, spermidine and spermine in goldfish and rat retina. Sturman JA, et al. **Life Sci** 19(5):719–24, 1 Sep 76
Light inhibits the labelling of gangliosides in chicken retina. Caputto BL, et al. **Nature** 257(5526):492–3, 9 Oct 75
Enhanced labeling of a retinal protein during regeneration of optic nerve in goldfish. Heacock AM, et al. **Proc Natl Acad Sci USA** 73(3):828–32, Mar 76
The effect of optic stalk section on the amino acid content of rat retina. Yates RA, et al. **Stain Technol** 50(4):166–9, Jul 75
Photoregeneration of rhodopsin and isorhodopsin from metarhodopsin III in the frog retina. Reuter T. **Vision Res** 16(9):909–17, 1976
Radioautographic localization of 125I alpha-bungarotoxin binding sites in the retinas of goldfish and turtle. Yazulla S, et al. **Vision Res** 16(8):878–80, 1976
[Changes of the phosphatides and their fatty acids in the retina and in the fasciculus opticus after retinal detachment: investigations of human and animal retinae (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(2):187–95, 4 Feb 76 (Eng. Abstr.) **(Ger)**
[Melatonin biosynthesis in the mammalian retina in dependence of light adaptation (author's transl)] Cremer-Bartels G, et al. **Klin Monatsbl Augenheilkd** 167(1):88–93, Jul 75 (Eng. Abstr.) **(Ger)**
[A light-independent function of the retina of rabbits. Examination on the energetic part of the visual pathway (author's transl)] Weiss H. **Klin Monatsbl Augenheilkd** 167(1):77–83, Jul 75 (Eng. Abstr.) **(Ger)**
[A clinical experimental study on the therapeutically effective component of retinal phosphatides (author's transl)] Weiss H. **Klin Monatsbl Augenheilkd** 167(5):723–7, Nov 75 (Eng. Abstr.) **(Ger)**
[Signal changes in biomembranes] Hofmann KP. **Verh Dtsch Ges Inn Med** 81:809–20, 1975 **(Ger)**
[In vivo study on the absorption of the subretinal fluid. 1. Electron microscopic study on the absorption of the ferritin injected between the sensory retina and the pigment epithelium layer (author's transl)] Asayama K, et al. **Acta Soc Ophthalmol Jpn** 79(8):1082–93, Aug 75 (Eng. Abstr.) **(Jpn)**
[Reassessment of glycogen distribution in the retina (author's transl)] Mizuno K. **Acta Soc Ophthalmol Jpn** 79(10):1474–80, 10 Oct 75 (Eng. Abstr.) **(Jpn)**
[Fluctuations in amino acid-H3 incorporation into the proteins of the isolated retina] Brodskiĭ VIa, et al. **Biull Eksp Biol Med** 80(10):104–6, Oct 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Activated human retinal microglia under pathological conditions. Vrabec F. **Albrecht von Graefes Arch Klin Ophthalmol** 196(1):49–60, 4 Aug 75
The retina in type 5 hyperlipoproteinemia. Kurz GH, et al. **Am J Ophthalmol** 82(1):32–43, Jul 76
Experimental argon laser photocoagulation. I. Effects on retinal nerve fiber layer. Apple DJ, et al. **Arch Ophthalmol** 94(1):137–44, Jan 76
Experimental argon laser photocoagulation. III. Relative dangers of immediate vs delayed retreatment. Apple DJ, et al. **Arch Ophthalmol** 94(2):309–12, Feb 76
Letter: Retinal changes in neuronal ceroid-lipofuscinosis. Dyken PR. **Arch Ophthalmol** 94(4):687–8, Apr 76
Granulomatous necrotizing retinochoroiditis caused by Sporotrichum schenkii. Report of a case including immunofluorescence and electron microscopical studies. Font RL, et al. **Arch Ophthalmol** 94(9):1513–9, Sep 76
Senile mecular degeneration. A clinicopathologic correlation of two cases with neovascularization beneath the retinal pigment epithelium. Small ML, et al. **Arch Ophthalmol** 94(4):601–7, Apr 76
Experimental Toxoplasma retinitis: a light and electron microscopical study. Yoshizumi MO. **Arch Pathol Lab Med** 100(9):487–90, Sep 76
Gyrate atrophy of the choroid and retina with hyperornithinemia HOGA. Takki K, et al. **Birth Defects** 12(3):373–84, 1976
Annular choroidal sclerosis. Chopdar A. **Br J Ophthalmol** 60(7):512–6, Jul 76
The damaging effects of continuous illumination on the morphology of the retina of the rat. Parnavelas JG, et al. **Exp Neurol** 51(1):171–87, Apr 76
Transvitreal chorioretinal biopsy in the rabbit. pp. 626–39. Griffin JR, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.
Fluorescein angiography of degenerative lesions of the peripheral fundus and rhegmatogenous retinal detachment. Tolentino FI, et al. **Int Ophthalmol Clin** 16(1):13–29, Spring 76
Biopsy of human scleral-chorioretinal tissue. Peyman GA, et al. **Invest Ophthalmol** 14(9):707–10, Sep 75
Retinal changes in eclampsia and pre-eclampsia. Shukla BK, et al. **J Indian Med Assoc** 66(1):8–10, 1 Jan 76
Transvitreal chorioretinal biopsy. Griffin JR, et al. **Mod Probl Ophthalmol** 15:272–8, 1975
Folded retinas in rat fetuses: artifacts produced by fixation in alcohol. Szczech GM, et al. **Toxicol Appl Pharmacol** 35(2):347–54, Feb 76
Feline central retinal degeneration. Bellhorn RW. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP683–6, Jul–Aug 76
Pathology of the vitreo-retinal border structures. Gloor BP, et al. **Trans Ophthalmol Soc UK** 95(3):387–90, 1975
[Histological study of experimental argon laser coagulations (preliminary study)] Demols E, et al. **Bull Soc Belge Ophtalmol** (172):736–45, 1975 (Eng. Abstr.) **(Fre)**
[Electron microscopic studies of the preretinal proliferation of glial cells (author's transl)] Arakawa T, et al. **Acta Soc Ophthalmol Jpn** 79(6):547–55, 10 Jun 75 (Eng. Abstr.) **(Jpn)**
[Studies of the focus ability on the fundus in argon laser photocoagulation (author's transl)] Fujimaki A. **Acta Soc Ophthalmol Jpn** 80(7):390–5, 10 Jul 76 (Eng. Abstr.) **(Jpn)**
[Changes of retinal nerve fiber layer in glaucoma. Report 2. Clinical observation (author's transl)] Iwata K, et al. **Acta Soc Ophthalmol Jpn** 79(8):1110–8, Aug 75 (Eng. Abstr.) **(Jpn)**
[Changes of retinal nerve fiber layer in glaucoma. Report 1. Methodology of investigation in vivo (author's transl)] Iwata K, et al. **Acta Soc Ophthalmol Jpn** 79(8):1062–6, Aug 75 (Eng. Abstr.) **(Jpn)**
[The histological observations on the optic disc, the choroid and the retina of glaucomatous eyes (author's transl)] Uchizono H. **Acta Soc Ophthalmol Jpn** 79(8):1018–34, Aug 75 (Eng. Abstr.) **(Jpn)**
[Responses of Müller cells of rabbit retina in experimental siderosis (author's transl)] Yoo JH, et al. **Acta Soc Ophthalmol Jpn** 79(7):762–71, 10 Jul 75 (Eng. Abstr.) **(Jpn)**
[Changes in eye tissues in chronic poisoning of albino rats with hydrogen fluoride] Dobromyslov AN, et al. **Oftalmol Zh** 30(8):616–8, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A simple relationship between the probability distribution of visual acuity and the density of retinal output channels. Frisén L, et al. **Acta Ophthalmol (Kbh)** 54(4):437–44, Aug 76
Effects of some antagonists of the inhibitory transmitters on the bioelectric activity of the retinal cells. Belcheva S, et al. **Agressologie** 15(7):461–9, 1974
Experiments concerning the human C-wave. Täumer R, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(2):139–53, 4 Feb 76
ERG of humans without C-wave. Täumer R, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(3):275–89, 3 Mar 76
Marked accommodation, retinal stretch, monocular space perception and retinal receptor orientation. Enoch JM. **Am J Optom Physiol Opt** 52(6):376–92, Jun 75
Retinal and post-retinal components of visual illusions. Layton A, et al. **Am J Optom Physiol Opt** 52(12):862–6, Dec 75

Errors in space perception due to accommodative retinal advance. Miles PW. **Am J Optom Physiol Opt** 52(9):600–3, Sep 75

Complex binocular interaction and other effects in the visual evoked response. White CT, et al. **Am J Optom Physiol Opt** 52(10):674–8, Oct 75

Peripheral mechanisms of vision. Witkovsky P. **Annu Rev Physiol** 33:257–80, 1971 (173 ref.)

Influence of light stimulus intensity on the electroretinogram of some mutants of Musca domestica L. with various eye contents of screening pigments. Pietra P, et al. **Arch Sci Biol (Bologna)** 58(1–4):49–56, Jan–Dec 74 (Eng. Abstr.)

A dynamic model of the receptive field of L-cells in the carp retina. Fukurotani K, et al. **Biol Cybern** 20(1):1–8, 1 Oct 75

A dynamic model of the receptive field of horizontal cells for monochromatic lights. Fukurotani K, et al. **Biol Cybern** 21(4):221–6, 5 Feb 76

A model for the mechanisms of sensitivity control in the submammalian vertebrate retina. Hara KI, et al. **Biol Cybern** 22(3):121–8, 1976

A model of neural network extracting binocular parallax. Hirai Y, et al. **Biol Cybern** 18(1):19–29, 1975

Symmetry between the visual B- and D-systems and equivalence of center and surround: studies of light increment and decrement in retinal and geniculate neurons of the cat. Krüger J, et al. **Biol Cybern** 20(3–4):223–36, 5 Nov 75

On the Markov properties of interspike times in the cat optic tract. Rudolfer SM, et al. **Biol Cybern** 19(4):197–9, 18 Sep 75

Neurite outgrowth from explanted Xenopus retina: an effect of prior optic nerve section. Agranoff BW, et al. **Brain Res** 113(2):225–34, 27 Aug 76

Long-latency retinal input to lateral geniculate neurones of the cat. Cleland BG, et al. **Brain Res** 91(2):306–10, 27 Jun 75

Retinal afferents to the pigeon optic tectum: discharge characteristics in response to whole field illumination. Duff TA, et al. **Brain Res** 92(1):1–19, 4 Jul 75

Optic chiasm fibers of the pigeon: discharge characteristics in response to whole field illumination. Duff TA, et al. **Brain Res** 92(1):145–8, 4 Jul 75

Striate cortex ablation and spatial vision. Ferrier RJ, et al. **Brain Res** 106(1):71–85, 16 Apr 76

Cortical blindness after overlapping retinal-striate lesions: a limit to plasticity in the central visual system. Keating EG, et al. **Brain Res** 101(2):327–39, 16 Jan 76

Patterns of retinal projections to the lateral geniculate nucleus and superior colliculus of rats with induced unilateral congenital eye defects. Land PW, et al. **Brain Res** 103(2):394–9, 20 Feb 76

Correlation of receptive field properties of monkey LGN cells with the conduction velocity of retinal afferent input. Marrocco RT, et al. **Brain Res** 92(1):137–44, 4 Jul 75

Efferent axons in the fish optic nerve and their effect on the retinal ganglion cells. Sandeman DC, et al. **Brain Res** 68(1):41–54, 15 Mar 74

Vusual responsiveness of eye-movement neurons in thalamic internal medullary lamina of cat. Schlag-Rey M, et al. **Brain Res** 91(2):311–4, 27 Jun 75

Evidence for a change in the retino-hypothalamic projection in the rat following early removal of one eye. Stanfield B, et al. **Brain Res** 104(1):129–36, 5 Mar 76

Did Averroes discover retinal sensitivity? Lindberg DC. **Bull Hist Med** 49(2):273–8, Summer 75

Mathematical principles in afferent visual neurons: differentiation, integration and transient proportionality related to receptive fields and shift-effect. Fischer B, et al. **Bull Math Biol** 38(3):253–67, 1976

Transient responses of rabbit retinal ganglion cells to photic and electrical stimuli. Molotchnikoff S. **Can J Neurol Sci** 3(1):73–9, Feb 76

An efferent effect on a rhythmic response in the frog retina. Kline LW, et al. **Can J Physiol Pharmacol** 53(5):816–21, Oct 75

Adaptive synaptic connections formed in the visual pathways in response to congenitally aberrant inputs. Guillery RW, et al. **Cold Spring Harbor Symp Quant Biol** 40:611–7, 1975

Synaptic transmission from photoreceptors to bipolar and horizontal cells in the carp retina. Kaneko A, et al. **Cold Spring Harbor Symp Quant Biol** 40:537–46, 1975

Topographic polarity of the optic tectum studied by reimplantation of the tectal tissue in adult goldfish. Yoon MG. **Cold Spring Harbor Symp Quant Biol** 40:503–19, 1975

Circadian variations of hormonal content in the nervous system of the crayfish. Aréchiga H, et al. **Comp Biochem Physiol [A]** 52(4):581–4, 1 Dec 75

The electrophysiology of transduction, retinal interaction and axonal conduction in invertebrate photoreceptors. Chase R. **Comp Biochem Physiol [A]** 52(4):571–6, 1 Dec 75 (72 ref.)

Electroretinographic infradian rhythm in the crayfish induced by 6-hydroxydopamine. Barrera-Miera B. **Comp Biochem Physiol [C]** 55(1):55–9, 1976

The function of the retina in the perfused eye. Niemeyer G. **Doc Ophthalmol** 39(1):53–116, 21 Nov 75 (290 ref.)

The effect of area and intensity on the response of cat retinal ganglion cells to brief light flashes. Büttner U, et al. **Exp Brain Res** 23(3):259–78, 29 Sep 75

Optokinetic nystagmus during selective retinal stimulation. Cheng M, et al. **Exp Brain Res** 23(2):129–39, 14 Aug 75

The Aubert-Fleischl phenomenon: a temporal frequency effect on perceived velocity in afferent motion perception. Dichgans J, et al. **Exp Brain Res** 23(5):529–33, 14 Nov 75

Receptive field mechanisms of sustained and transient retinal ganglion cells in the cat. Hammond P. **Exp Brain Res** 23(2):113–28, 14 Aug 75

The shift-effect in retinal ganglion cells of the rhesus monkey. Krüger J, et al. **Exp Brain Res** 23(4):443–6, 24 Oct 75

Maintained activity of cells in the three shrew's optic tract. Thijssen JM, et al. **Exp Brain Res** 25(3):279–90, 18 Jun 76

Duality in retinocerebellar projections in the rabbit. Khamare BS, et al. **Exp Neurol** 48(3 Pt 1):610–23, Sep 75

Retinal blur and midbrain cell response. Hill RM, et al. **Experientia** 32(4):481–2, 15 Apr 76

A new wave (2nd c-wave) on corneoretinal potential. Nikara T, et al. **Experientia** 32(5):594–6, 15 May 76

Central mechanisms of vision: parallel processing. Dow BM. **Fed Proc** 35(1):54–9, Jan 76

Retinally perceived photoperiod does not influence subsequent testicular regression in house sparrows. Underwood H. **Gen Comp Endocrinol** 27(4):475–8, Dec 75

Electronic simulation of the vertebrate retina. Eckmiller R. **IEEE Trans Biomed Eng** 22(4):305–11, Jul 75

The electrical response of the human eye to sinusoidal light stimulation. Troelstra A, et al. **IEEE Trans Biomed Eng** 22(5):369–78, Sep 75

An analysis of chorioretinal thermal response to intense light exposure. Wissler EH. **IEEE Trans Biomed Eng** 23(3):207–15, May 76

Biogenic monoamines as transmitters in the retina. pp. 145–63. Ehinger B. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.** (63 ref.)

Dopamine in retinal neurotransmission. pp. 165–98. Kramer SG. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.**

Taurine, a putative transmitter in retina. pp. 89–105. Mandel P, et al. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.**

Acetylcholine as a retinal transmitter substance. pp. 127–43. Neal MJ. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.**

Gamma-Aminobutyric acid and glycine as retinal neurotransmitters. pp. 107–25. Voaden MJ. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.** (59 ref.)

Thermal and photic regeneration of rhodopsin in perfused frog retina. pp. 33–5. Sickel W. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

Pteridines in the mammalian retina and light effects. pp. 861–70. Cremer-Bartels G. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Behavioural and electrophysiological analysis of strabismus in cats. pp. 27–44. Buchtel HA, et al. **In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.**

Electrophysiological studies of retinal cell function. Tomita T. **Invest Ophthalmol** 15(3):171–87, Mar 76

Scotopic and photopic vision in the California ground squirrel: physiological and anatomical evidence. Jacobs GH, et al. **J Comp Neurol** 165(2):209–27, 15 Jan 76

Regeneration of retinal axons into the goldfish optic tectum. Murray M. **J Comp Neurol** 168(2):175–95, 15 Jul 76

Functional role of efferents to the avian retina. I. Analysis of retinal ganglion cell receptive fields. Pearlman AL, et al. **J Comp Neurol** 166(1):111–22, 1 Mar 76

Functional role of efferents to the avian retina. II. Effects of reversible cooling of the isthmo-optic nucleus. Pearlman AL, et al. **J Comp Neurol** 166(1):123–31, 1 Mar 76

Electrophysiological basis for the spatial dependence of the inhibitory coupling in the Limulus retina. Johnston D, et al. **J Gen Physiol** 67(1):1–25, Jan 76

Synaptic organization and ionic basis of on and off channels in mudpuppy retina. II. Chloride-dependent ganglion cell mechanisms. Miller RF, et al. **J Gen Physiol** 67(6):661–78, Jun 76

Synaptic organization and ionic basis of on and off channels in mudpuppy retina. III. A model of ganglion cell receptive field organization based on chloride-free experiments. Miller RF, et al. **J Gen Physiol** 67(6):671–90, Jun 76

Synaptic organization and ionic basis of on and off channels in mudpuppy retina. I. Intracellular analysis of chloride-sensitive electrogenic properties of receptors, horizontal cells, bipolar cells, and amacrine cells. Miller RF, et al. **J Gen Physiol** 67(6):639–59, Jun 76

The accessory optic tract in the dog; a retino-entoreduncular pathway. Holbrook JR, et al. **J Hirnforsch** 15(4):365–77, 1974

Dissociation of field potential from neuronal activity in the isolated retina: failure of the b-wave with normal ganglion cell response. Masland RH, et al. **J Neurobiol** 6(3):305–12, May 75

On the organization of memeory in the optomotor system of the crab Pachygrapsus crassipes. Wiersma CA, et al. **J Neurobiol** 6(1):115–23, Jan 75

Effects of retinal ablation on uptake of glutamate, glycine, GABA, proline and choline in pigeon tectum. Henke H, et al. **J Neurochem** 26(1):131–4, JAN 76

Direction selectivity of simple striate cells: properties and mechanism. Goodwin AW, et al. **J Neurophysiol** 38(6):1500–23, Nov 75

Direction selectivity of complex cells in a comparison with simple cells. Goodwin AW, et al. **J Neurophysiol** 38(6):1524–40, Nov 75

Axonal conduction latencies of cat retinal ganglion cells. Kirk DL, et al. **J Neurophysiol** 38(6):1395–402, Nov 75

Sustained and transient cells in monkey lateral geniculate nucleus: conduction velocites and response properties. Marrocco RT. **J Neurophysiol** 39(2):340–53, Mar 76

Relationship between visual and tactile representations in cat superior colliculus. Stein BE, et al. **J Neurophysiol** 39(2):401–19, Mar 76

Spatiotemporal organization of cat lateral geniculate receptive fields. Stevens JK, et al. **J Neurophysiol** 39(2):213–38, Mar 76

Interactions between cat lateral geniculate neurons. Stevens JK, et al. **J Neurophysiol** 39(2):239–56, Mar 76

An adrenergic mechanism for visual neuroregulation. Coppola RJ, et al. **J Neurosci Res** 1(3–4):235–42, 1975

Threshold setting by the surround of cat retinal ganglion cells. Barlow HB, et al. **J Physiol (Lond)** 259(3):737–57, Aug 76

Cortical suppression of the ritino-collicular pathway in the monocularly deprived cat. Berman N, et al. **J Physiol (Lond)** 255(1):263–73, Feb 76

Proceedings: Retinotopic organization in visual cortex and superior colliculus of the golden hamster. Blakemore C, et al. **J Physiol (Lond)** 252(2):41P–42P, Nov 75

The cortical visual areas of the sheep. Clarke PG, et al. **J Physiol (Lond)** 256(3):497–508, Apr 76

Proceedings: Visual signals in the cat. Cleland BG, et al. **J Physiol (Lond)** 252(2):42P–43P, Nov 75

Lateral geniculate relay of slowly conducting retinal afferents to cat visual cortex. Cleland BG, et al. **J Physiol (Lond)** 255(1):299–320, Feb 76

Trichromatic colour opponency in ganglion cells of the rhesus monkey retina. De Monasterio FM, et al. **J Physiol (Lond)** 251(1):197–216, Sep 75

Concealed colour opponency in ganglion cells of the rhesus monkey retina. De Monasterio FM, et al. **J Physiol (Lond)** 251(1):217–29, Sep 75

Functional properties of ganglion cells of the rhesus monkey retina. De Monasterio FM, et al. **J Physiol (Lond)** 251(1):167–95, Sep 75

Proceedings: The space-clamped retina. Fatt P. **J Physiol (Lond)** 258(2):52P–54P, Jun 76

Horizontal cell responses in the retina of the larval tiger salamander. Lasansky A, et al. **J Physiol (Lond)** 251(1):145–65, Sep 75

Centrifugal actions on amacrine and ganglion cells in the retina of the turtle. Marchiafava PL. **J Physiol (Lond)** 255(1):137–55, Feb 76

Cancellation of rod signals by cones, and cone signals by rods in the cat retina. Rodieck RW, et al. **J Physiol (Lond)** 254(3):775–85, Jan 76

Isolation of rod and cone contributions to cat ganglion cells by a method of light exchange. Rodieck RW, et al. **J Physiol (Lond)** 254(3):759–73, Jan 76

Electrical properties of the rod syncytium in the retina of the turtle. Schwartz EA. **J Physiol (Lond)** 257(2):379–406, May 76

Readjustment of retinotectal projection following reimplantation of a rotated or inverted tectal tissue in adult goldfish. Yoon MG. **J Physiol (Lond)** 252(1):137–58, Oct 75

Proceedings: Analysis of photic responses of the inner layers of retina of the carp. Negishi K, et al. **J Physiol Soc Jpn** 36(8–9):299–300, 1 Sep 74

Proceedings: Adaptation effect of retinal receptor fields in cats. Saito H, et al. **J Physiol Soc Jpn** 36(8–9):301–2, 1 Sep 74

Proceedings: Analysis of neural tracts in the visual fields 18 and 19 of the cerebral cortex using electric and photic stimulation of the retina. Toyama K, et al. **J Physiol Soc Jpn** 36(8–9):286–7, 1 Sep 74

Study on the mechanism of delayed absorption of the subretinal fluid. Akiyama K. **Keio J Med** 25(1):17–26, Jan 76

Influence of efferent retinal fibres on responsiveness of ganglion cells to light. Cervetto L, et al. **Nature** 260(5546):56–7, 4 Mar 76

Coupling between rod photoreceptors in a vertebrate retina. Copenhagen DR, et al. **Nature** 260(5546):57–9, 4 Mar 76

Scotopic and photopic dark adaptation of the b wave isolated rat retina. Ernst W, et al. **Nature** 258(5531):170–1, 13 Nov 75

Strontium-calcium substitution in synaptic transmission in turtle retina. Piccolino M. **Nature** 261(5560):504–5, 10 Jun 76

Eccentricity-specific dissociation of visual functions in patients with lesions of the central visual pathways. Pöppel E, et al. **Nature** 256(5517):489–90, 7 Aug 75

Taurine involvement in retinal and heart muscle function. **Nutr Rev** 33(11):343–7, Nov 75 (12 ref.)

Müller cell function during spreading depression in frog retina. Mori S, et al. **Proc Natl Acad Sci USA** 73(4):1351–4, Apr 76

McCollough effects: experimental findings and theoretical accounts. Skowbo D, et al. **Psychol Bull** 82(4):497–510, Jul 75 (71 ref.)

Neuronal plasticity in the afferent visual system. I. Effect of flicker stimulation on responses of retinal and geniculate units in the cat. Adorjani CS, et al. **Psychol Res** 38(2):117–46, 18 Dec 75

Photoreceptor–bipolar cell transmission in the perfused retina eyecup of the mudpuppy. Dacheux RF, et al. **Science** 191(4230):963–4, 5 Mar 76

Independence of 'on' and 'off' responses of retinal ganglion cells. Levine MW, et al. **Science** 190(4220):1215–7, 19 Dec 75

Horizontal cell potentials: dependence on external sodium ion concentration. Waloga G, et al. **Science** 191(4230):964–6, 5 Mar 76

Spectral sensitivity of low level electroretinograms. Armington JC. **Vision Res** 16(1):31–5, Jan 76

A method for projecting retinal landmarks into visual space. Baker FH. **Vision Res** 16(1):115–6, Jan 76

Do correction saccades depend exclusively on retinal feedback? A note on the possible role of non–retinal feedback. Becker W. **Vision Res** 16(4):425–7, 1976

Spatial summation, response pattern and conduction velocity of ganglion cells of the rhesus monkey retina. de Monasterio FM, et al. **Vision Res** 16(6):674–8, 1976

Kinetics of long–lived rhodopsin photoproducts in the frog retina as a function of the amount bleached. Donner KO, et al. **Vision Res** 15:985–95, Aug–Sep 75

Dynamic characteristics of the receptive field of L–cells in the carp retina. Fukurotani K, et al. **Vision Res** 15(12):1403–5, Dec 75

Local retinal adaptation and spatial frequency channels. Jones RM, et al. **Vision Res** 15(11):1239–44, Nov 75

Crossed and uncrossed representation of the visual field by brisk–sustained and brisk–transient cat retinal ganglion cells. Kirk DL, et al. **Vision Res** 16(3):225–31, 1976

The crossed or uncrossed destination of axons of sluggish–concentric and non–concentric cat retinal ganglion cells, with an overall synthesis of the visual field representation. Kirk DL, et al. **Vision Res** 16(3):233–6, 1976

Stimulus alternation and the Purkinje shift. Korth M, et al. **Vision Res** 16(7):703–11, 1976

Visual adaptation: retinal transduction, brightness and sensitivity. Mansfield RJ. **Vision Res** 16(7):679–90, 1976

The responses of the retinal ganglion cells of the frogs. Morrison JD. **Vision Res** 15(12):1339–44, Dec 75

The effects of adaptation on the centre and surround responses of frog retinal ganglion cells. Morrison JD. **Vision Res** 15(12):1345–8, Dec 75

Border enhancement during flicker stimulation: effect of retinal location. Remole A. **Vision Res** 15(12):1385–8, Dec 75

Properties of isolated frog retinae in reflecting non–polarized and polarized light. Röhler R, et al. **Vision Res** 16(3):241–6, 1976

Gain control mechanisms within the receptive field center of cat's retinal ganglion cells. Saito HA, et al. **Vision Res** 15(12):1407–10, Dec 75

Detection of image displacement by phasic cells in peripheral visual fields of the monkey. Scobey RP, et al. **Vision Res** 16(1):15–24, Jan 76

The c–wave in the ERG of albino rat. Weidner C. **Vision Res** 16(7):753–63, 1976

Temporal characteristics of peripheral inhibition of sustained and transient ganglion cells in cat retina. Winters RW, et al. **Vision Res** 16(1):37–45, Jan 76

Another new type of cat retinal ganglion cell. Zacks JL. **Vision Res** 16(5):513–6, 1976

Receptor and interneuron light–adaptation in the dragonfly visual system. Laughlin SB. **Z Naturforsch [C]** 30(2):306–8, Mar–Apr 75

Light and dark adaptation of crayfish visual cells depending on extracellular calcium concentration. Stieve H, et al. **Z Naturforsch [C]** 31(5–6):324–7, May–Jun 76

A method for prolonged electrophysiological experiments with the tree shew (Tupaia chinensis). Ter Laak HJ, et al. **Z Versuchstierkd** 17(4):195–204, Jul 75

[Functional exploration of the perimacular and macular retinal region by means of flicker E.R.G. and the determination of perceptive fusion thresholds of an intermittent light (De Lange's curve)] Meyer JJ, et al. **Arch Ophtalmol (Paris)** 35(3):253–64, Mar 75 (Eng. Abstr.) **(Fre)**

[Latency and precision of saccades as a function of intensity, duration and retinal position of a stimulus] Prablanc C, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):484–8, Jul–Sep 74 **(Fre)**

[Isolation of a PIIIcomponent in the electrogram of the frog retina by the use of acetylcholine] Dettmar P. **Acta Biol Med Ger** 34(5):865–71, 1975 (Eng. Abstr.) **(Ger)**

[Electroretinographic study on the causal relationship of the S–R effect] Fuckel R, et al. **Acta Biol Med Ger** 34(9):1485–90, 1975 **(Ger)**

[The behavior of the b–wave in the electroretinogram of light–adapted frogs during serial light exposure] Gneupel U, et al. **Acta Biol Med Ger** 34(5):849–55, 1975 (Eng. Abstr.) **(Ger)**

[Demonstration of subcomponents of PIII in the ERG of isolated rabbit retina using sodium asparaginate] Reichenbach A, et al. **Acta Biol Med Ger** 34(5):857–63, 1975 (Eng. Abstr.) **(Ger)**

[Problem of scattered light in the localized stimulation of the retina (author's transl)] Schauer M, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):283–91, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[The influence of the retina on the maturation of the testicles: an experimental study in rabbits (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):95–100, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Ruby–laser examinations of threshold values on the retina] Birngruber R, et al. **Ber Dtsch Ophthalmol Ges** (73):367–74, 1975 **(Ger)**

[Pupillographic examination of spectrum sensitivity in circumscribed retinal regions] Krastel H. **Ber Dtsch Ophthalmol Ges** (73):176–81, 1975 **(Ger)**

[Hydrostatic pressures within the eye (author's transl)] Colenbrander MC. **Klin Monatsbl Augenheilkd** 167(1):94–101, Jul 75 (Eng. Abstr.) **(Ger)**

[Significance of initial latency in the electroretinographic response of some mutant strains of Musca domestica L.] Pietra P, et al. **Boll Soc Ital Biol Sper** 51(5):248–50, 15 Mar 75 **(Ita)**

[Modulation transfer function of retina–brain system. Its theory and practice (author's transl)] Kawara T, et al. **Acta Soc Ophthalmol Jpn** 79(10):1536–41, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Effects of transretinal polarizing current on the P III component of the human and albino rabbit electroretinogram (author's trans)] Kawasaki K, et al. **Acta Soc Ophthalmol Jpn** 79(9):1177–83, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies of the effect on corticosteroids in the repairing process of damaged retinal lesion after photocoagulation (author's transl)] Nakano M. **Acta Soc Ophthalmol Jpn** 79(11):1594–607, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[A study of CFF under binocular condion.—Each CFF at retinal corresponding points under binocular single vision—(author's trans)] Nishioka K. **Acta Soc Ophthalmol Jpn** 79(9):1314–20, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the mode and site of action of antituberculous agent, ethambutol, in the visual system. I. Effects of ethambutol on the electrical activity of in vitro rabbit retinas (author's transl)] Okada K, et al. **Acta Soc Ophthalmol Jpn** 79(7):783–9, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[The effect of a long term light deprivation on the retina of the albino rat (author's transl)] Takahashi J. **Acta Soc Ophthalmol Jpn** 79(11):1557–67, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Potentials and metarhodopsin of visual cells of the isolated retina of frogs] Hanawa I, et al. **J Physiol Soc Jpn** 36(8–9):297, 1 Sep 74 **(Jpn)**

[Proceedings: Re–examination of horizontal cells of carp by means of procion yellow electrodes] Hashimoto Y, et al. **J Physiol Soc Jpn** 36(8–9):300, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of calcium on ion permeability of visual cell membrane of vertebrates] Ito H, et al. **J Physiol Soc Jpn** 36(8–9):297–8, 1 Sep 74 **(Jpn)**

[Proceedings: Composition of color receptor areas in amacrine cells in carp retina] Mitarashi G, et al. **J Physiol Soc Jpn** 36(8–9):300, 1 Sep 74 **(Jpn)**

[Proceedings: A new small valve (second c wave) in electroretinogram] Nito T, et al. **J Physiol Soc Jpn** 36(8–9):301, 1 Sep 74 **(Jpn)**

[Proceedings: Lateral control mechanism in octopus visual cells] Tsukahara Y, et al. **J Physiol Soc Jpn** 36(8–9):301, 1 Sep 74 **(Jpn)**

[Experimental studies on the effect of the sympathetic nervous system on the retinogram in rabbits] Palacz O. **Klin Oczna** 45(7):761–4, Jul 75 **(Pol)**

[Role of cyclic AMP in the generation of action potentials in frog's isolated retina] Wiglusz Z. **Klin Oczna** 45(7):765–71, Jul 75 (Eng. Abstr.) **(Pol)**

[The relationship between oscillatory potentials of the electroretinogpam and components of the visual cortex evoked response] Abdullaev GB, et al. **Fiziol Zh SSSR** 61(11):1626–33, Nov 75 **(Rus)**

[Discrimination of the direction of the E–vector of linearly polarized light by the goldfish retina] Dogadov AA, et al. **Fiziol Zh SSSR** 62(5):687–93, May 76 (Eng. Abstr.) **(Rus)**

[Processing of a color signal by different types of ganglion cells in the frog retina] Funtikov BA, et al. **Fiziol Zh SSSR** 61(9):1351–8, Sep 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the processes of excitation and inhibition in the receptive fields of the retina and lateral geniculate body] Podvigin NF, et al. **Fiziol Zh SSSR** 62(3):368–74, Mar 76 (Eng. Abstr.) **(Rus)**

[Early receptor potential of the retina under normal conditions and under the action of a selenium–containing substance] pp. 35–43. Abdullaev GB, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974, QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Possible regulation of the free–radical state of the retina by selenium compounds] pp. 54–7. Abdullaev GB, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974, QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Interaction between the horizontal cells of the turtle retina] Byzov AL. **Neirofiziologiia** 7(3):279–86, 1975 (Eng. Abstr.) **(Rus)**

[The non–synaptic membrane of the retinal horizontal cells as an amplifier of slow potentials] Byzov AL, et al. **Neirofiziologiia** 7(1):74–83, 1975 **(Rus)**

[Intracellular on—off responses of carp retina amacrine cells adapted to the dark] Iusupov RG, et al. **Neirofiziologiia** 7(6):624–31, 1975 (Eng. Abstr.) **(Rus)**

[Reutilization of labelled DNA precursors by the iris cells during the regeneration of the lens and retina in newts] Grigorian EN, et al. **Ontogenez** 7(1):64–9, 1976 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase isoenzymes during regeneration of the lens and retina in adult tritons] Mitashov VI, et al. **Ontogenez** 5(5):513–7, 1974 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase isoenzymes during regeneration of the lens and retina in adult tritons] Mitashov VI, et al. **Ontogenez** 5(5):513–7, 1974 (Eng. Abstr.) **(Rus)**

[Directional sensitivity of the retina in normal and myopic eyes] Sergienko NM, et al. **Vestn Oftalmol** (6):54–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Night blindness and the retinal mechanism of visual adaptation. Ripps H. **Ann R Coll Surg Engl** 58(3):222–32, May 76

[Hypermetric refixation: objective sign of abnormal retinal correspondence] Quéré MA, et al. **Arch Ophtalmol (Paris)** 35(3):265–8, Mar 75 (Eng. Abstr.)

Averaging in E.R.G. and V.E.R. first clinical results. Neetens A, et al. **Bull Soc Belge Ophtalmol** 170:659–73, 1975

The slow ERG potentials in hereditary retinal dystrophy of albino and pigmented rats. Pautler EL, et al. **Exp Eye Res** 22(5):493–503, May 76

The electroretinogram of rats reared in continuous illumination. Parnavelas JG. **Exp Neurol** 51(3):648–52, Jun 76

Neurophysiological basis of squint amblyopia. Spatial resolution of neurones in the lateral geniculate nucleus of kittens reared with convergent squint in one eye. pp. 31–6. Ikeda H, et al. **In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.**

Electroretinographical study of the hypoplasia of the optic nerve. Francois J, et al. **Ophthalmologica** 172(4):308–30, 1976

Electroretinography and temporal aspects in macular dystrophy. Stanescu B, et al. **Ophthalmologica** 172(5):367–78, 1976

Effects of enucleation in retinal degenerate mice. Dyer RS, et al. **Physiol Behav** 14(2):207–10, Feb 75

Functional recovery of the retina after retinal detachment. Chisholm IA, et al. **Trans Ophthalmol Soc UK** 95(1):167–172, Apr 75

Studies on the early receptor potential in the human eye. III. ERP in primary retinitis pigmentosa. Tamai A. **Yonago Acta Med** 18(1):18–29, Jun 74

Studies on the early receptor potential in the human eye. IV. ERP in patients with senile cataract. Tamai A. **Yonago Acta Med** 18(1):30–5, Jun 74

[Electric retinal functions in glaucoma] Svěrák J, et al. **Cesk Oftalmol** 31(5):316–20, Sep 75 (Eng. Abstr.) **(Cze)**

[Adaptoelectroretinography (A.E.R.G.) and alcoholic cirrhosis (preliminary report)] Peyresblanques MJ. **Bull Soc Ophtalmol Fr** 74(4):399–406, Apr 74 **(Fre)**

[The electro–oculogram of the central retina] Hochgesand P, et al. **Ber Dtsch Ophthalmol Ges** (73):115–126, 1975 **(Ger)**

[Evidence for reduced colour vision in carriers of congenital colour vision deficiencies (author's transl)] Born G, et al. **Hum Genet** 32(2):189–96, 19 May 76 (Eng. Abstr.) **(Ger)**

[Studies on suppression scotomas in intermittent exotropia both in the dark (without fusional background) and under conditions of near normalcy (with fusional background) by using the Aulhorn phase difference haploscope (author's transl)] Nozaki H. **Acta Soc Ophthalmol Jpn** 79(10):1442–51, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Ophthalmological studies on myotonic dystrophy. I. Five cases of the disease with special reference to the psychophysical evaluation (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 79(7):772–7, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Endocrin and ophthalmic studies on myotonic dystrophy] Yoshikawa N, et al. **Clin Neurol (Tokyo)** 15(8):557–66, Aug 75 (Eng. Abstr.) **(Jpn)**

[Effect of vibration on the blind spot of the visual analyzer] Kolbanov VV, et al. **Gig Tr Prof Zabol** (8):49–52, Aug 75 **(Rus)**

RADIATION EFFECTS

Retinal changes induced by heavy particles: a new therapy modality? Hunter DM, et al. **Aeromed Rev** (6):3–13, Nov 75

Letter: Retinal sensitivity to short wavelength light. Marshall J, et al. **Nature** 262(5569):629–30, 12 Aug 76

Biochemical effects of x–radiation on the retina of the albino rabbit. Newton JC, et al. **Radiat Res** 64(3):518–23, Dec 75

[Damage of visible light to the retina (author's transl)] Gloor BP. **Ther Umsch** 32(1):32–9, Jan 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Mach bands and density perception. Lane EJ, et al. **Radiology** 121(1):9–17, Oct 76

SURGERY

Chorio–retinal resection of a neoplasm from the human eye. Algvere P, et al. **Acta Ophthalmol (Kbh)** 54(1):55–60, Feb 76

Repair and adhesion mechanisms of the cryotherapy lesion

in experimental retinal detachment. Laqua H, et al. **Am J Ophthalmol** 81(6):833–46, Jun 76

The effect of pan-retinal photo-coagulation on rubeosis iridis. Little HL, et al. **Am J Ophthalmol** 81(6):804–9, Jun 76

Correlation of histologic and electroretinographic changes in peripheral retinal ablation in the rhesus monkey. Ogden TE, et al. **Am J Ophthalmol** 81(3):272–9, Mar 76

Experimental argon laser photocoagulation. III. Relative dangers of immediate vs delayed retreatment. Apple DJ, et al. **Arch Ophthalmol** 94(2):309–12, Feb 76

Cryoprobe with T-tip for retinal surgery. Lyall MG. **Br J Ophthalmol** 60(5):376, May 76

Gelatin implants in retina surgery. Tanenbaum HL, et al. **Can J Ophthalmol** 11(1):52–4, Jan 76

Stereotaxic vitreoretinal surgery. pp. 355–72. Kreiger AE, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonic surgery: theoretical considerations. pp. 640–54. Purnell EW.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Immediate fundus complications after retinal scatter photocoagulation. I. Clinical picture and pathogenesis. Huamonte FU, et al. **Ophthalmic Surg** 7(1):88–99, Spring 76

Corneal problems after retinal and vitreous surgery. Brodrick JD. **Trans Ophthalmol Soc UK** 95(1):138–41, Apr 75

Mechanism of retinal attachment after cryosurgery. Kreissig I, et al. **Trans Ophthalmol Soc UK** 95(1):148–57, Apr 75

[Retinal reactions to intense light. I. Threshold lesions. Experimental, morphological and clinical studies of pathological and therapeutic effects of laser and white light] Wallow IH, et al. **Adv Ophthalmol** 31:159–232, 1975 (Eng. Abstr.) **(Ger)**

[Experimental fluorescein angiographic and microscopic investigations on laser treated rat eyes (author's transl)] Baurmann H, et al.
Albrecht von Graefes Arch Klin Ophthalmol 199(1):39–44, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[On the employment of low temperatures in retinal surgery (author's transl)] Böke W, et al.
Klin Monatsbl Augenheilkd 165(5):689–96, Nov 74 (Eng. Abstr.) **(Ger)**

[Distant changes of eye tissues after laser (ruby) coagulation of the retina] Libman ES, et al. **Oftalmol Zh** 30(8):610–6, 1975 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Electron microscopy study of cryogenic chorioretinal adhesions. Feman SS, et al. **Am J Ophthalmol** 81(6):823–32, Jun 76

The retinal pigment epithelium and photoreceptor cells. Light- and electron microscopic studies on monkey eyes. Bülow N. **Cell Tissue Res** 161(4):521–40, 27 Aug 75

Subsurface cisterns in the vertebrate retina. Fisher SK, et al. **Cell Tissue Res** 164(4):473–80, 18 Dec 75

Retinal alterations induced by continuous light in immature rats. I. Fine structure and electroretinography. Pecci Saavedra J, et al. **Cell Tissue Res** 166(2):201–11, 12 Feb 76

Structural specialization in the dorsal retina of the bee, Apis mellifera. Schinz RH. **Cell Tissue Res** 162(1):23–34, 16 Sep 75

The retina-lamina projection in the visual system of the bee, Apis mellifera. Sommer EW, et al. **Cell Tissue Res** 163(1):45–61, 17 Nov 75

Fine structure of complex ocelli of a cubomedusan, Tamoya bursaria Haeckel. Yamasu T, et al. **Cell Tissue Res** 170(3):325–39, 30 Jul 76

Synaptic arrays of the inner plexiform layer in the developing retina of Xenopus. Fisher LJ. **Dev Biol** 50(2):402–12, Jun 76

Scanning electron microscopy of aggregating embryonic neural retina cells. Ben-Shaul Y, et al. **Exp Cell Res** 95(1):191–204, 1 Oct 75

Actin filaments in apical projections of the primate pigmented epithelial cell. Burnside B, et al. **Invest Ophthalmol** 15(7):570–5, Jul 76

Ultrastructural description of a 'cylinder organelle' in the outer plexiform layer of human retinas. Craft J, et al. **Invest Ophthalmol** 14(12):923–7, Dec 75

Specializations of the retinochoroidal juncture. Miki H, et al. **Invest Ophthalmol** 14(9):701–7, Sep 75

Origin of ghost cell in Coats' disease. Takei Y. **Invest Ophthalmol** 15(8):677–81, Aug 76

A re-examination of anatomical plasticity in the rat retina. Chernenko GA, et al. **J Comp Neurol** 167(1):49–62, 1 May 76

The structural and functional development of the retina in larval Xenopus. Chung SH, et al. **J Embryol Exp Morphol** 33(4):915–40, Jul 75

Microtubules in synapses of the retina. Gray EG. **J Neurocytol** 5(3):361–70, Jun 76

Fine structural changes of peripheral cystoid degenerations during life. Gärtner J. **Mod Probl Ophthalmol** 15:98–102, 1975

Low angle X-ray diffraction patterns of squid retina. Worthington CR, et al. **Nature** 262(5569):626–8, 12 Aug 76

Localization of acetylcholine receptors during synaptogenesis in retina. Vogel Z, et al. **Proc Natl Acad Sci USA** 73(6):1806–10, Jun 76

Goldfish retina: functional polarization of cone horizontal cell dendrites and synapses. Stell WK, et al. **Science** 190(4218):989–90, 5 Dec 75

Organization of the outer plexiform layer of the diurnal and nocturnal bird retinae. Gallego A, et al. **Vision Res** 15:1027–8, Aug-Sep 75

The outer plexiform layer of the rabbit retina, an important data processing center. Sjöstrand FS. **Vision Res** 16(1):1–14, Jan 76

[Myeloid bodies of the retinal pigment epithelium in vertebrates] Nguyen-Legros J. **Arch Ophtalmol (Paris)** 35(10):759–84, Oct 75 (Eng. Abstr.) **(Fre)**

[Ultrastructure of retinoblastoma (direct sample, culture and graft)] Verin P, et al. **Bull Soc Ophtalmol Fr** 75(5–6):507–14, May-Jun 75 **(Fre)**

[Ultrastructure of the retina and function of the isolated and arterially-perfused mammalian eye] Remé C, et al. **Ber Dtsch Ophthalmol Ges** (73):411–8, 1975 **(Ger)**

[Retinohypothalamic projection in the rat, mouse and sparrow] Wenisch H, et al. **Verh Anat Ges** 69:575–8, 1975 (Eng. Abstr.) **(Ger)**

[Histological studies of repairing processes after xenon photocoagulation in the monkey retina. 2. Electron microscopic studies on cellular responces in the late repairing stage (author's transl)] Ishikawa Y. **Acta Soc Ophthalmol Jpn** 79(11):1568–84, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Autoradiographical light and electron microscopic studies on the retina of suckling rats treated with sodium L-glutamate (author's transl)] Kondo T. **Acta Soc Ophthalmol Jpn** 79(10):1511–23, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[The preparation of ultrathin frozen section of the retina and choroid in rat (author's transl)] Mackawa N. **Acta Soc Ophthalmol Jpn** 79(12):1857–64, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[A microtubule system of the connecting cilium (author's transl)] Matsusaka T. **Acta Soc Ophthalmol Jpn** 79(7):738–43, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Electron microscopic observation of the cell transition at the ora serrata in the human eye (author's transl)] Nishida S. **Acta Soc Ophthalmol Jpn** 79(7):727–37, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Functional histochemistry of nuclear chromatin in vertebrate retinal neurons] Shabadash SA. **Dokl Akad Nauk SSSR** 225(5):1190–3, 11 Dec 75 **(Rus)**

[Action of ultrasound on submicroscopic and cytochemical changes in photoreceptors of the retina and optic nerve] Marmur RK, et al. **Oftalmol Zh** 30(8):607–10, 1975 (Eng. Abstr.) **(Rus)**

RETINAL ARTERY

Corneal temperature in normal subjects and arterial occlusive disease. Horven I. **Acta Ophthalmol (Kbh)** 53(6):863–74, Dec 75

Abruptio placentae complicated by retinal artery thrombosis. Coopland AT. **Am J Obstet Gynecol** 123(8):917–8, 15 Dec 75

Central retinal artery occlusion after carotoid angiography. Carlson MR, et al. **Am J Ophthalmol** 81(1):103–4, Jan 76

Occlusive retinal vascular disease and deafness. Delaney WV Jr, et al. **Am J Ophthalmol** 82(2):232–6, Aug 76

Traumatic central retinal artery occlusion with sickle cell trait. Sorr EM, et al. **Am J Ophthalmol** 80(4):648–52, Oct 75

A stereological analysis of venous nicking observed at retinal arteriovenous crossings. Wirtschafter JD, et al. **Ann Ophthalmol** 8(5):619–29, May 76

Multiple major retinal vascular occlusions in sickle cell haemoglobin C disease. Chopdar A. **Br J Ophthalmol** 59(9):493–6, Sep 75

Retinal macroaneurysms. Cleary PE, et al. **Br J Ophthalmol** 59(7):355–61, Jul 75

Acquired arterial macroaneurysms of the retina. Lewis RA, et al. **Br J Ophthalmol** 60(1):21–30, Jan 76

Central retinal artery occlusion (reversible in sickle trait with glaucoma. Radius RL, et al. **Br J Ophthalmol** 60(6):428–30, Jun 76

Central retinal artery occlusion. Basu A. **Indian J Ophthalmol** 22(3):33, Sep 74

Retinal neovascularization: the sleeping dog of the eye. Wilson RS, et al. **J Arkansas Med Soc** 72(7):269–72, Dec 75

A rationalization of treatment of central retinal artery occlusion. Ffytche TJ. **Trans Ophthalmol Soc UK** 94(2):468–79, Jul 74 (24 ref.)

[Malignant arterial hypertension caused by arterial stenosis. Apropos of 2 cases] Aouchiche M, et al. **Bull Mem Soc Fr Ophtalmol** (87):75–81, 1976 **(Fre)**

[Fleeting and transient abnormality of a branch of the central artery of the retina] Duhamel ME. **Bull Soc Ophtalmol Fr** 74(5–6):705–8, May-Jun 74 **(Fre)**

[Partial closure of the central artery and vein of the retina in retrobulbar optic neuritis (author's transl)] Egerer I. **Klin Monatsbl Augenheilkd** 167(5):728–32, Nov 75 (Eng. Abstr.) **(Ger)**

[Recurring retinal haemorrhages with tortuosity of the retinal arteriols (author's transl)] Stefani FH, et al. **Klin Monatsbl Augenheilkd** 167(4):608–12, Oct 75 (Eng. Abstr.) **(Ger)**

[The state of circulation in the central artery of the retina and uveal tract in diabetes mellitus] Islambekov RK, et al. **Probl Endokrinol (Mosk)** 21(6):28–31, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Cilioretinal arteries. A study based on review of stereo fundus photographs and fluorescein angiographic findings. Justice J Jr, et al. **Arch Ophthalmol** 94(8):1355–8, Aug 76

Apperance of persistent hyaloid artery in the bovine eye. McCormack J. **Vet Med Small Anim Clin** 71(7):932–3, Jul 76

DRUG EFFECTS

[Retinal damage and oral contraceptives] Swane Lund FN, et al. **Ugeskr Laeger** 138(4):219–21, 19 Jan 76 (Eng. Abstr.) **(Dan)**

[Neuro-Ophthalmological vascular changes due to ovulation inhibiting contraceptives] Beeckman G, et al. **Bull Soc Belge Ophtalmol** (172):754–67, 1975 (106 ref.) (Eng. Abstr.) **(Fre)**

[Letter: Influence of tobacco smoke on the pressure of the central artery of the retina] Pichon P, et al. **Nouv Presse Med** 5(27):1699, 3–10 Jul 76 **(Fre)**

INNERVATION

[Histochemical studies of the vasomotor innervation of the central retinal artery] Jabloński J. **Klin Oczna** 45(12):1267–7, Dec 75 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Experimental study on the retinal arterial pressure during controlled hypotension. Kamel MM, et al. **Bull Ophthalmol Soc Egypt** 68:217–24, 1975

Arterial inflow studies of the cat retina using high-speed cine angiography. Hill DW, et al. **Exp Eye Res** 23(1):35–45, Jul 76

Regional blood flow in the cat retina. Laatikainen LT. **Exp Eye Res** 23(1):47–56, Jul 76

Hemostatic balance in the walls of the retinal vessel. pp. 225–7. Pandolfi M.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

PHYSIOPATHOLOGY

Characteristics of fluorescein leakage from retinal arterioles following microembolization. Tsacopoulos M, et al. **Exp Eye Res** 20(1):23–32, Jan 75

[Reversible discontinuing arteriopathy (Kyrieleis) with multiple pigment detachments of the posterior fundus pole] Ritzinger I, et al. **Ber Dtsch Ophthalmol Ges** (73):516–8, 1975 **(Ger)**

RADIOGRAPHY

Occlusive retinal arteriolitis with neovascularization. Jampol LM, et al. **Am J Ophthalmol** 81(5):583–9, May 76

Macroaneurysms of the retinal arteries. Nadel AJ, et al. **Arch Ophthalmol** 94(7):1092–6, Jul 76

[Retinoangiography with the wide-angle retinograph] Amalric MP. **Bull Soc Ophtalmol Fr** 75(2):181–4, Feb 75 **(Fre)**

ULTRASTRUCTURE

[Ultrastructural features of cytofilament with endothelial cell of the retinal arterioles. Observation on hypertensive rat and human eyes (author's transl)] Yoshimoto H. **Acta Soc Ophthalmol Jpn** 79(8):863–77, Aug 75 (Eng. Abstr.) **(Jpn)**

RETINAL DEGENERATION

see related

AMAUROTIC FAMILIAL IDIOCY

Pigmented paravenous retinochorodial atrophy. Pearlman JT, et al. **Am J Ophthalmol** 80(4):630–5, Oct 75

Vitelliform dystrophy in a 64-year-old man. Sorr EM, et al. **Am J Ophthalmol** 82(2):256–8, Aug 76

Retinal alterations induced by continuous light in immature rats. I. Fine structure and electroretinography. Pecci Saavedra J, et al. **Cell Tissue Res** 166(2):201–11, 12 Feb 76

The effect of light deprivation on the progress of retinal degeneration in two strains of dystrophic rat. Dewar AJ, et al. **Exp Eye Res** 21(6):507–14, Dec 75

The syndrome of trichomegaly, tapetoretinal degeneration and growth disturbances. Delleman JW, et al. **Ophthalmologica** 171(4–5):313–5, 1975

[Round table discussion on senile macular degeneration] **Arch Ophtalmol (Paris)** 35(11):903–28,929–30, Nov 75 **(Fre)**

[Areolar atrophy of the macula] Bonnet M. **Arch Ophtalmol (Paris)** 35(6–7):493–508, Jun-Jul 75 **(Fre)**

[Optical and electronic reading aids in macular diseases] Aulhorn E. **Ber Dtsch Ophthalmol Ges** (73):594–601, 1975 **(Ger)**

[Degenerative diseases of the macula] Wessing A. **Ber Dtsch Ophthalmol Ges** (73):488–500, 1975 **(Ger)**

[Acute bilateral juvenile macular degeneration] Wüthrich U. **Ophthalmologica** 172(2–3):240–3, 1976 **(Ger)**

[Congenital pit of the optic disk associated with serous macular degeneration] Maciejewska J, et al. **Klin Oczna** 45(10–11):1109–11, Oct–Nov 75 (Eng. Abstr.) **(Pol)**
[Retinoschisis and its clinical relationship to retinal detachment] Khager G, et al. **Vestn Oftalmol** (4):51–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD

Plasma amino–acids in hereditary retinal disease. Ornithine, lysine, and taurine. Berson EL, et al. **Br J Ophthalmol** 60(2):142–7, Feb 76
[Effect of vitamin B 6 therapy on blood coagulation indicators in patients with arteriosclerotic dystrophy of macula lutea] Lipkan GN, et al. **Vrach Delo** (8):52–5, Aug 75 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Formation of lipoperoxide in the retina of rabbit exposed to high concentration of oxygen. Hiramitsu T, et al. **Experientia** 32(5):622–3, 15 May 76
Letter: Ethambutol and the eye; zinc and copper. Campbell IA, et al. **Lancet** 2(7937):711, 11 Oct 75
[Toxic macular injuries] Meier–Ruge W. **Ber Dtsch Ophthalmol Ges** (73):536–46, 1975 **(Ger)**
[Postnatal growth inhibition in the rat retina after actinomycin D adminstration] Orthaus M, et al. **Z Mikrosk Anat Forsch** 89(4):665–91, 1975 (Eng. Abstr.) **(Ger)**
[Electrophysiological studies on a case of thioridazine pigmentary retinopathy (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 80(3):113–6, Mar 76 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

The classification and terminology of peripheral retinal degeneration. Kanski JJ. **Mod Probl Ophthalmol** 15:103–14, 1975
Classification and terminology of ophthalmological changes in the retinal periphery. Meyer–Schwickerath G, et al. **Mod Probl Ophthalmol** 15:50–2, 1975
[Classification and terminology of changes in the retinal periphery] Pannarale MR. **Mod Probl Ophthalmol** 15:53–7, 1975 **(Fre)**

COMPLICATIONS

Progressive external ophthalmoplegia associated with retinal pigment epitheliopathy. Daniele S, et al. **Am J Ophthalmol** 80(4):585–90, Oct 75
Gyrate atrophy of the choroid and retina with hyperornithinemia. McCulloch C, et al. **Am J Ophthalmol** 80(6):1047–57, Dec 75
Blindness caused by photoreceptor degeneration as a remote effect of cancer. Sawyer RA, et al. **Am J Ophthalmol** 81(5):606–13, May 76
Vitreochorioretinal degeneration associated with trichomegaly. Fishman GA, et al. **Ann Ophthalmol** 8(7):811–5, Jul 76
Fluorescein angiography of the fundus after pars plana vitrectomy. Peyman GA, et al. **Ann Ophthalmol** 8(7):791–4, 796–7, Jul 76
Unilateral retinitis pigmentosa and pit of optic disc. Godel V, et al. **Arch Ophthalmol** 94(8):1417–8, Aug 76
Round atrophic holes in lattice degeneration—an important cause of phakic retinal detachment. Tillery WV, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):509–18, May–Jun 76
A new mucolipidosis with psychomotor retardation, corneal clouding, and retinal degeneration. Newell FW, et al. **Trans Am Ophthalmol Soc** 73:172–86, 1976
[Senior's syndrome. Apropos of a case] André JL, et al. **Bull Soc Ophtalmol Fr** 74(11):1067–71, Nov 74 **(Fre)**
[Apropos of the retinal palissade. Frequency and effect on retinal detachment] Ravault MP, et al. **Bull Soc Ophtalmol Fr** 75(11):1013–6, Nov 75 **(Fre)**
[Chronic tubulo–interstitial nephropathy and tapetal–retinal degeneration. Senior's syndrome?] André JL, et al. **Sem Hop Paris** 51(49):2995–3000, 23 Dec 75 (Eng. Abstr.) **(Fre)**
[Acquired chorioretinal vascular anastomoses in macular diseases] Demeler U, et al. **Ber Dtsch Ophthalmol Ges** (73):431–4, 1975 **(Ger)**
[Sequelae of unilateral exudative hemorrhagic maculopathy] Hübner H, et al. **Ber Dtsch Ophthalmol Ges** (73):434–8, 1975 **(Ger)**
[Proportioned dwarfism combined with ocular myopathy, recurring corneal edema, tapetoretinal degeneration, hearing loss of the inner ear and diabetes mellitus] Käfer O. **Ber Dtsch Ophthalmol Ges** (73):618–20, 1975 **(Ger)**
[Early childhood nystagmus due to deficiency of macular function] Piper HF. **Ber Dtsch Ophthalmol Ges** (73):163–6, 1975 **(Ger)**
[Tapeto–retinal degeneration combined with incomplete general albinism (author's transl)] Ivandić T. **Klin Monatsbl Augenheilkd** 166(5):698–703, May 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Retinal involvement in a case of nephronophthisis associated with liver fibrosis Senior–Boichis syndrome. Stanescu B, et al. **Birth Defects** 12(3):463–74, 1976
Diagnostic features of the Favre–Goldmann syndrome. Fishman GA, et al. **Br J Ophthalmol** 60(5):345–53, May 76
A clinical definition of lattice degeneration of the retina and its variations. Byer NE. **Mod Probl Ophthalmol** 15:58–67, 1975
Electroretinography and temporal aspects in macular dystrophy. Stanescu B, et al. **Ophthalmologica** 172(5):367–78, 1976
[Moderated discussion on the entire complex of function tests] **Ber Dtsch Ophthalmol Ges** (73):130–6, 1975 **(Ger)**
[Differential diagnosis of the 'bull's eye' macula] Deutman AF, et al. **Ber Dtsch Ophthalmol Ges** (73):547–51, 1975 **(Ger)**
[Quantitative expression of functional macular scotoma] François P, et al. **Ber Dtsch Ophthalmol Ges** (73):126–9, 1975 **(Ger)**
[Macular type of diffuse tapeto–retinal degeneration (a disease course observation)] Grützner P, et al. **Ber Dtsch Ophthalmol Ges** (73):209–14, 1975 **(Ger)**
[Study of central visual acuity decrease in macular diseases and their differentiation using pathogenetic viewpoints] Harms H. **Ber Dtsch Ophthalmol Ges** (73):86–93, 1975 **(Ger)**
[Differential diagnostic deliberations over the delineation of macular involvements from optic nerve disorders] Mackensen G. **Ber Dtsch Ophthalmol Ges** (73):569–72, 1975 **(Ger)**
[Electrophysiologic examination methods in the differential diagnosis of macular changes] Straub W. **Ber Dtsch Ophthalmol Ges** (73):103–8, 1975 **(Ger)**
[Degenerative diseases of the macula] Wessing A. **Ber Dtsch Ophthalmol Ges** (73):488–500, 1975 **(Ger)**
[Importance of static perimetry in the examination of colloid macular degeneration] Bonnet M, et al. **Klin Oczna** 45(10–11):1081–4, Oct–Nov 75 (Eng. Abstr.) **(Pol)**
[Fluorescence angiography in the dry form of senile macular degeneration] Bryk E. **Klin Oczna** 46(5):521–3, May 76 (Eng. Abstr.) **(Pol)**
[Fundus periphery in macular changes] Szewczyk–Bocheńska N. **Klin Oczna** 45(10–11):1175–9, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Lipotriad. A double–blind clinical trial. Brown CA. **Trans Ophthalmol Soc UK** 94(2):578–82, Jul 74
[Value of piribedil in the treatment of degenerative retinal vasculopathies] Perdriel G, et al. **Bull Soc Ophtalmol Fr** 74(4):445–8, Apr 74 **(Fre)**
[Viewpoints on the drug therapy of degenerative 'senile' macular involvement] Sautter H, et al. **Ber Dtsch Ophthalmol Ges** (73):573–85, 1975 **(Ger)**
[Use of intravenous vitamin PP in patients with retinal and macular changes of senile etiology] Karczewicz D. **Klin Oczna** 45(10–11):1123–6, Oct–Nov 75 (Eng. Abstr.) **(Pol)**
[Favorable results of anabolic therapy in cases of retinal degeneration] Sobieska–Clarowa H. **Klin Oczna** 45(7):811–4, Jul 75 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Retinal cyclic–AMP phosphodiesterase activity in two strains of dystrophic rat. Dewar AJ, et al. **Exp Eye Res** 21(3):299–306, Sep 75

ETIOLOGY

The toxicity of intravitreal whole blood and hemoglobin. Sanders D, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):255–67, 4 Dec 75
Disciform degeneration of the macula. II. Pathogenesis. Gragoudas ES, et al. **Arch Ophthalmol** 94(5):755–7, May 76
Hereditary and nutritionally induced retinal degenerations: electrophysiologic and biochemical studies. Berson EL. **Birth Defects** 12(3):359–72, 1976 (33 ref.)
Abetalipoproteinemia and the eye. Carr RE. **Birth Defects** 12(3):385–408, 1976 (56 ref.)
Myopia–aphakia. II. Vitreous and peripheral retina. Hyams SW, et al. **Br J Ophthalmol** 59(9):483–5, Sep 75
Ocular findings in a case of fucosidosis. Snodgrass MB. **Br J Ophthalmol** 60(7):508–11, Jul 76
Retinal degeneration in cats fed casein. II. Supplementation with methionine, cysteine, or taurine. Berson EL, et al. **Invest Ophthalmol** 15(1):52–8, Jan 76
Retinal degeneration in cats fed casein. I. Taurine deficiency. Schmidt SY, et al. **Invest Ophthalmol** 15(1):47–52, Jan 76
Macular changes in congenital retinoschisis. Tasman W. **Mod Probl Ophthalmol** 15:40–9, 1975
Retinal degeneration in the taurine–deficient cat. Schmidt SY, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP687–93, Jul–Aug 76
[Senile macular degenerations] Bonnet M. **Arch Ophtalmol (Paris)** 35(12):1005–18, Dec 75 **(Fre)**
[Macular involvement in myopia] D'hoine G, et al. **Bull Soc Ophtalmol Fr** 74(7–8):821–6, Jul–Aug 74 **(Fre)**
[Diabetic maculopathy] Fischer F. **Ber Dtsch Ophthalmol Ges** (73):136–40, 1975 (Eng. Abstr.) **(Ger)**
[Macular involvement in Coat's disease] Joussen F, et al. **Ber Dtsch Ophthalmol Ges** (73):518–23, 1975 **(Ger)**
[An attack of glaucoma after a cataract operation associated with pigment degeneration of the retina (author's transl)] Walser E. **Klin Monatsbl Augenheilkd** 167(6):874–6, Dec 75 (Eng. Abstr.) **(Ger)**
[Maculopathies as a late complication of surgical treatment of retinal detachment] Ogielska E, et al. **Klin Oczna** 45(10–11):1181–4, Oct–Nov 75 (Eng. Abstr.) **(Pol)**
[Macular degeneration in a case of siderosis] Sobieska–Clarowa H. **Klin Oczna** 45(10–11):1145–7, Oct–Nov 75 (Eng. Abstr.) **(Pol)**
[Role of vitreous body in the pathogenesis of retinal degeneration and detachment] Stankiewicz A. **Klin Oczna** 45(9):995–6, Sep 75 **(Pol)**

FAMILIAL & GENETIC

A familial syndrome of progressive cone dystrophy, degenerative liver disease, endocrine dysfunction and hearing defect. I. Ophthalmological findings. Hansen E, et al. **Acta Ophthalmol (Kbh)** 54(2 p):129–44, Apr 76
Central areolar pigment epithelial dystrophy. Fetkenhour CL, et al. **Am J Ophthalmol** 81(6):745–53, Jun 76
Choroidal neovascular membrane in Best's vitelliform macular dystrophy. Miller SA, et al. **Am J Ophthalmol** 82(2):252–5, Aug 76
A new mucolipidosis with psychomotor retardation, corneal clouding, and retinal degeneration. Newell FW, et al. **Am J Ophthalmol** 80(3 Pt 1):440–9, Sep 75
Hereditary serum IgM hyperviscosity and Doyne macular dystrophy. Neetens A, et al. **Bull Soc Belge Ophtalmol** (172):818–28, 1975
Senior–Loken syndrome (nephronophthisis and tapeto–retinal degeneration): a study of 8 cases from 5 families. Fillastre JP, et al. **Clin Nephrol** 5(1):14–9, Jan 76
Dominant cone–rod dystrophy. Hittner HM, et al. **Doc Ophthalmol** 39(1):29–52, 21 Nov 75
Hereditary retinal dystrophy in the rat: rhodopsin, retinol, vitamin A deficiency. Delmelle M, et al. **Exp Eye Res** 21(4):369–380, Oct 75
Hereditary retinal dystrophy in the rat: lipid composition of debris. Organisciak DT, et al. **Exp Eye Res** 22(2):101–13, Feb 76
Retinol and retinyl esters in pigment epithelium of rats with inherited retinal degeneration. Nicotra C, et al. **Experientia** 32(2):147–8, 15 Feb 76
Probable common origin of a hereditary fundus dystrophy (Sorsby's familial pseudoinflammatory macular dystrophy) in an English and Australian family. Kalmus H, et al. **J Med Genet** 13(4):271–6, Aug 76
Genetic counseling of families with Best macular dystrophy. Bard LA, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP865–73, Nov–Dec 75
Central areolar pigment epithelial (cape) dystrophy. Dobbie JG, et al. **Trans Am Ophthalmol Soc** 73:141–52, 1976
Inherited hyaloideoretinopathy and skeletal dysplasia. Knobloch WH. **Trans Am Ophthalmol Soc** 73:417–51, 1976
[Goldmann–Favre hyaloido–tapetoretinal degeneration] Fiore C, et al. **Arch Ophtalmol (Paris)** 36(2):127–36, Feb 76 (29 ref.) (Eng. Abstr.) **(Fre)**
[Stargardt's disease and fundus flavimaculatus] François P, et al. **Arch Ophtalmol (Paris)** 35(11):817–46, Nov 75 (Eng. Abstr.) **(Fre)**
[Colloid heredofamilial degeneration. Course in 4 generations] François P, et al. **Bull Soc Ophtalmol Fr** 74(7–8):809–12, Jul–Aug 74 **(Fre)**
[Bilateral degenerative retinal lesions in 2 univiteline twins with retinal detachment in 1] Lecoq PJ, et al. **Bull Soc Ophtalmol Fr** 74(5–6):545–6, May–Jun 74 **(Fre)**
[Late ophthalmoscopic manifestation of juvenile macular degeneration] Quere MA, et al. **Bull Soc Ophtalmol Fr** 74(3):371–2, Mar 74 **(Fre)**
[Familial form of Leber's miliary retinal angiomatosis] Renard G, et al. **Bull Soc Ophtalmol Fr** 74(12):1163–7, Dec 74 **(Fre)**
[Fundus flavimaculatus of dominant heredity (apropos of 2 families). Nosological considerations on Stargardt's disease.] Turut P, et al. **Bull Soc Ophtalmol Fr** 75(3):309–15, Mar 75 **(Fre)**
[ERG and EOG in x–chromosome vitreo–retinal degeneration] Denden A. **Ber Dtsch Ophthalmol Ges** (73):172–4, 1975 **(Ger)**
[Developmental stages in hereditary juvenile macular degeneration] François P, et al. **Ber Dtsch Ophthalmol Ges** (73):217–23, 1975 **(Ger)**
[Hereditary macular degenerations] Jaeger W, et al. **Ber Dtsch Ophthalmol Ges** (73):695–735, 1975 (125 ref.) **(Ger)**
[Hereditary degeneration of the posterior fundus oculi] Schmidt JG, et al. **Ber Dtsch Ophthalmol Ges** (73):693–4, 1975 **(Ger)**
[Electro–ophthalmology in juvenile hereditary macular degeneration] van Lith GH, et al. **Ber Dtsch Ophthalmol Ges** (73):108–15, 1975 **(Ger)**
[Familial macular degeneration of the Stargardt type] Dębicka A. **Klin Oczna** 46(5):525–8, May 76 (Eng. Abstr.) **(Pol)**
[Doyne's familial macular degeneration] Zeromska–Zbierska I, et al. **Klin Oczna** 46(3):331–4, Mar 76 (Eng. Abstr.) **(Pol)**
[Vitelliform dystrophy of the macula in 3 siblings and their mother] Kubík J. **Cesk Oftalmol** 31(6):430–3, Nov 75 (Eng. Abstr.) **(Slo)**
[Degeneratio hyaloretinalis hereditaria] Presperínová K. **Cesk Oftalmol** 31(6):398–402, Nov 75 (Eng. Abstr.) **(Slo)**
[Familial interstitial chronic nephropathy (nephronophthisis

and tapeto-retiniana degeneration (Senior-Loken syndrome)] Arias M, et al. **Rev Clin Esp** 138(5):481-5, 15 Sep 75 **(Spa)**

IMMUNOLOGY

Rhodopsin and autoimmune blindness in primates. Wong VG, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 28(2):135-7, Fall 75

METABOLISM

Abnormal guanosine 3', 5'-monophosphate during photoreceptor degeneration in the inherited retinal disorder of C3H/HeJ mice. Lolley RN, et al. **Ann Ophthalmol** 8(4):469-73, Apr 76

Retinal alterations induced by continuous light in immature rats. II. Zinc iodide-osmium tetroxide (ZIO) reactive sites in the rod outer segments. Pellegrino de Iraldi A, et al. **Cell Tissue Res** 166(2):213-8, 12 Feb 76

Calcium and magnesium content of rodent photoreceptor cells as inferred from studies of retinal degeneration. Farber DB, et al. **Exp Eye Res** 22(3):219-28, Mar 76

A proposed link between debris accumulation, guanosine 3', 5' cyclic monophosphate changes and photoreceptor cell degeneration in retina of RCS rats. Lolley RN, et al. **Exp Eye Res** 22(5):477-86, May 76

[Chorio-retinal degenerations and aminoaciduria. III. Atrophia gyrata] Rodriguez Caballero ML. **Arch Ophtalmol (Paris)** 35(12):973-4, Dec 75 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Investigation of senile macular degeneration. Marmion VJ. **Trans Ophthalmol Soc UK** 94(4):1033-9, 1974

[Incidence of macular changes in patients with hypertensive disorders] Steinbach PD, et al. **Ber Dtsch Ophthalmol Ges** (73):523-8, 1975 **(Ger)**

[A possible and probable new maculopathy with chorioretinal disorder found in Ghana (author's transl)] Yamada H. **Acta Soc Ophthalmol Jpn** 79(8):843-62, Aug 75 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Senile mecular degeneration. A clinicopathologic correlation of two cases with neovascularization beneath the retinal pigment epithelium. Small ML, et al. **Arch Ophthalmol** 94(4):601-7, Apr 76

Morphology of posterior segment lesions of the eye in patients with onchocerciasis. Bird AC, et al. **Br J Ophthalmol** 60(1):2-20, Jan 76

Retinal vascular changes in bull's eye maculopathy. Chopdar A. **Br J Ophthalmol** 60(7):504-7, Jul 76

Reticular tapeto-retinal dystrophy. As a possible late stage of Sjögren's reticular dystrophy. Fishman GA, et al. **Br J Ophthalmol** 60(1):35-40, Jan 76

Ageing and degeneration in the macular region: a clinico-pathological study. Sarks SH. **Br J Ophthalmol** 60(5):324-41, May 76

Fluorescein angiography of degenerative lesions of the peripheral fundus and rhegmatogenous retinal detachment. Tolentino FI, et al. **Int Ophthalmol Clin** 16(1):13-29, Spring 76

Fine structural changes of peripheral cystoid degenerations during life. Gärtner J. **Mod Probl Ophthalmol** 15:98-102, 1975

Two types of retinal degeneration in cerebellar mutant mice. Mullen RJ, et al. **Nature** 258(5535):528-30, 11 Dec 75

Pathology of macular degeneration in the elderly. Garner A. **Trans Ophthalmol Soc UK** 95(1):54-61, Apr 75 (60 ref.)

Peripheral retinal degenerations. Kanski JJ. **Trans Ophthalmol Soc UK** 95(1):173-9, Apr 75

Lattice degeneration of the retina. Gross morphologic findings and trypsin digestion. Zeegen PD, et al. **Trans Pac Coast Otoophthalmol Soc** 55:217-36, 1974

[Vitelliform degeneration of the macula] Francçois P, et al. **Arch Ophtalmol (Paris)** 35(8-9):609-26, Aug-Sep 75 (55 ref.) **(Fre)**

[Structure of the vitreous body over areas with lattice degeneration of the retina (author's transl)] Slezak H. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):273-82, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[Pigment epithelium changes in drusen of the macular region] Lerche W. **Ber Dtsch Ophthalmol Ges** (73):439-46, 1975 **(Ger)**

[Histopathology of drusen in the macular region] Schiffer HP, et al. **Ber Dtsch Ophthalmol Ges** (73):447-55, 1975 **(Ger)**

[See-saw nystagmus and cone degeneration] Rych K. **Klin Monatsbl Augenheilkd** 165(6):930-5, Dec 74 (Eng. Abstr.) **(Ger)**

[Electron microscopy of pathological reactions of astrocytes in the degenerating human retina (author's transl)] Uga S, et al. **Acta Soc Ophthalmol Jpn** 79(7):758-61, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Damage of the capillaries of the central retina as a primary change in senile macular degeneration] Bryk E. **Klin Oczna** 46(2):207-11, Feb 76 (Eng. Abstr.) **(Pol)**

[Macular changes in the course of retinal angiomatosis in the Hippel-Lindau disease] Chrzanowska-Srzednicka K. **Klin Oczna** 45(10-11):1223-8, Oct-Nov 75 (Eng. Abstr.) **(Pol)**

[Senile macular changes] Mondelski S. **Klin Oczna** 45(10-11):1203-8, Oct-Nov 75 (Eng. Abstr.) **(Pol)**

[Degenerative macular changes occurring in elderly patients in morphological picture] Szwarcowa C. **Klin Oczna** 45(10-11):1209-11, Oct-Nov 75 **(Pol)**

[Model studies of retinal abiotrophy] Tost M. **Klin Oczna** 45(12):1261-5, Dec 75 (Eng. Abstr.) **(Pol)**

[Rare case of choroidal atrophy associated with macular atrophy] Ziobrowski S. **Klin Oczna** 46(2):213-5, Feb 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Primary retinal degeneration: evidence of normal phagocytosis in the retinal pigment epithelium. Reich-d'Almeida FB, et al. **Am J Med Sci** 272(1):757-60, Jul-Aug 76

Pigment epithelium-photoreceptor interactions in the normal and dystrophic rat retina. Custer NV, et al. **Exp Eye Res** 21(2):153-66, Aug 75

The slow ERG potentials in hereditary retinal dystrophy of albino and pigmented rats. Pautler EL, et al. **Exp Eye Res** 22(5):493-503, May 76

In situ reactivity of the retinal pigment epithelium. II. Phagocytosis in the dystrophic rat. Reich-d'Almeida FB, et al. **Exp Eye Res** 21(4):347-357, Oct 75

Effects of enucleation in retinal degenerate mice. Dyer RS, et al. **Physiol Behav** 14(2):207-10, Feb 75

Central nervous system regeneration and ophthalmology. Goldberg S. **Surv Ophthalmol** 20(4):261-72, Jan-Feb 76

The effect of light on brightness perception in rats with retinal dystrophy. Kaitz M. **Vision Res** 16(2):141-8, 1976

[Significance of the temporal lower quadrant in acquired macular ectopy] Bacskulin J, et al. **Ber Dtsch Ophthalmol Ges** (73):169-71, 1975 **(Ger)**

[Macular diseases in retinal-vessel involvement] Neubauer H, et al. **Ber Dtsch Opbthalmol Ges** (73):500-16, 1975 (Eng. Abstr.) **(Ger)**

[Macular changes in the foveal optic disk] Vogel H, et al. **Ber Dtsch Ophthalmol Ges** (73):145-8, 1975 **(Ger)**

[Radial fold formation in the macular area] Wollensak J. **Ber Dtsch Ophthalmol Ges** (73):141-5, 1975 **(Ger)**

[Secondary disciform macular degeneration (author's transl)] Salacz G. **Klin Monatsbl Augenheilkd** 168(02):194-8, Feb 76 (Eng. Abstr.) **(Ger)**

[Acquired color dysfunction and color ERG (author's transl)] Nakano H. **Acta Soc Ophthalmol Jpn** 80(3):177-85, Mar 76 (Eng. Abstr.) **(Jpn)**

[Maculopathy as a sequala of significantly raised intraocular pressure] Chrzanowska-Srzednicka K, et al. **Klin Oczna** 45(10-11):1185-91, Oct-Nov 75 (Eng. Abstr.) **(Pol)**

[Macular degeneration in myopia] Dalkowska A. **Klin Oczna** 45(10-11):1155-9, Oct-Nov 75 (Eng. Abstr.) **(Pol)**

REHABILITATION

[Vocational rehabilitation of patients with macular disorders] Pape R. **Ber Dtsch Ophthalmol Ges** (73):601-3, 1975 **(Ger)**

[Visual training of partial blinds due to organic lesions (author's transl)] Otto J, et al. **Klin Monatsbl Augenheilkd** 166(4):458-78, Apr 75 (Eng. Abstr.) **(Ger)**

SURGERY

Effect of retinal detachment surgery on the course of preexisting open-angle glaucoma. Friedman Z, et al. **Am J Ophthalmol** 80(4):702-5, Oct 75

The treatment of two macular disorders with the argon laser. McGuinness R, et al. **Trans Ophthalmol Soc NZ** 28:91-3, 1976

[Photocoagulation of senile macular degeneration. (Critical analysis of the results obtained in 66 cases)] Bonnet M. **Arch Ophtalmol (Paris)** 35(4):311-26, Apr 75 (Eng. Abstr.) **(Fre)**

[Argon laser in the prevention of retinal detachment] Labrune P, et al. **Arch Ophtalmol (Paris)** 35(10):725-34, Oct 75 (Eng. Abstr.) **(Fre)**

[Possible complications of photocoagulations by argon laser. Discussion of a case] Haut J, et al. **Bull Soc Ophtalmol Fr** 75(4):368-73, Apr 75 **(Fre)**

[Treatment of exudative macular degeneration through light coagulation] Söllner F, et al. **Ber Dtsch Ophthalmol Ges** (73):611-5, 1975 **(Ger)**

[Light coagulation treatment and other surgical measures in macular diseases] Wessing A, et al. **Ber Dtsch Ophthalmol Ges** (73):585-94, 1975 **(Ger)**

[Photocoagulation in the treatment of central retinal changes] Ogielska E, et al. **Klin Oczna** 45(10-11):1119-22, Oct-Nov 75 (Eng. Abstr.) **(Pol)**

THERAPY

The treatment of retinal and vitreous diseases — the future. Flindall RJ. **Can J Ophthalmol** 11(2)760521-760610-2):42-4, Apr 76

Treatment of senile macular disease. Marsh RJ. **Trans Ophthalmol Soc UK** 95(1):62-8, Apr 75 (24 ref.)

[Retinal cryopexy and retinoschisis. Technic, results and indications] Gerhard JP, et al. **Bull Soc Ophtalmol Fr** 75(7-8):797-801, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[Changes of visual acuity in patients with retinal-vessel sclerosis and degenerative disorders of the macula lutea during a spa visit at Bad Hall] Rieger G. **Ber Dtsch Ophthalmol Ges** (73):604-9, 1975 **(Ger)**

[Letter: Humid senile macular degeneration] Doden W. **Dtsch Med Wochenschr** 101(13):516, 26 Mar 76 **(Ger)**

VETERINARY

Inherited retinal degenerations in the dog. Aguirre G. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP667-76, Jul-Aug 76

Feline central retinal degeneration. Bellhorn RW. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP683-6, Jul-Aug 76

RETINAL DETACHMENT

see related

SCLERAL BUCKLING

Primary retinal detachments without apparent breaks. Griffith RD, et al. **Am J Ophthalmol** 81(4):420-7, Apr 76

Detachments of the retinal pigment epithelium at the posterior pole. Noble KG, et al. **Am J Ophthalmol** 82(2):246-51, Aug 76

Retinal detachment-1. Garston JB. **Nurs Times** 72(9):340-1, 4 Mar 76

Retinal detachment. 2. Garston JB. **Nurs Times** 72(10):383-5, 11 Mar 76

Rhegmatogenous retinal detachment in patients aged 40 years or less. Morse PH, et al. **Trans Ophthalmol Soc UK** 95(1):128-33, Apr 75

Giant tear of the retina. Scott JD. **Trans Ophthalmol Soc UK** 95(1):142-4, Apr 75

Three types of retinal detachment: pathogenesis, prognosis, and therapeutic considerations. Heatley J. **Trans Pac Coast Otoophthalmol Soc** 56:115-23, 1975

[Retinal detachment] Bec P, et al. **Arch Ophtalmol (Paris)** 35(5):463-82, May 75 **(Fre)**

[A case of retinal detachment in a contact lens wearer] Malbrel PH, et al. **Bull Soc Ophtalmol Fr** 75(3):299-301, Mar 75 **(Fre)**

[Discussion of a case of multiple serous detachment of the retinal pigmentary epithelium with a course of 20 years] Risse JF, et al. **Bull Soc Ophtalmol Fr** 74(11):1081-9, Nov 74 **(Fre)**

[Retinal detachment] Syrdalen P. **Tidsskr Nor Laegeforen** 95(25):1417-8, 10 Sep 75 (Eng. Abstr.) **(Nor)**

[Spontaneous reattachment of a detached retina in Marfan's syndrome] Herde J. **Klin Oczna** 45(12):1281-4, Dec 75 (Eng. Abstr.) **(Pol)**

[Clinical and functional aspects of retinal detachment of children and adolescents] Tacorian D, et al. **Rev Chir [Oftalmol]** 19(4):271-4, Oct-Dec 75 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Macular hole following topical pilocarpine. Garlikov RS, et al. **Ann Ophthalmol** 7(10):1313-6, Oct 75

Miotic drugs, glaucoma, and retinal detachment. Freilich DB, et al. **Mod Probl Ophthalmol** 15:318-22, 1975

COMPLICATIONS

Retinal hemorrhages in posterior vitreous detachment. Cibis GW, et al. **Am J Ophthalmol** 80(6):1043-6, Dec 75

Retinal detachment in a 9-year-old girl with Marfan's syndrome and a limbal incisional staphyloma. Seelenfreund MH, et al. **Ann Ophthalmol** 8(8):967-8, Aug 76

The fundus in mongolism. Ahmad A, et al. **Arch Ophthalmol** 94(5):772-6, May 76

The Stickler syndrome. Herrmann J, et al. **Birth Defects** 11(6):203-4, 1975

The treatment of massive vitreous retraction with the separation of pre-retinal membranes using silicone oil. pp. 523-9. Scott JD. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Posterior fixation of recti in nystagmus with retinal detachment. Arruga A. **Mod Probl Ophthalmol** 15:304-6, 1975

Massive periretinal proliferation (MPP) IV. Pre- and subretinal proliferation of glial tissue in experimental retinal detachment. Laqua H. **Mod Probl Ophthalmol** 15:235-45, 1975

Massive periretinal proliferation (MPP) I. Pigment epithelium proliferation. Machemer R. **Mod Probl Ophthalmol** 15:227, 1975

Scleral dehiscences, anterior staphyloma, and retinal detachment - Part 1: Incidence and pathogenesis. Faris B, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP851-3, Nov-Dec 75

Scleral dehiscences, anterior staphyloma, and retinal detachment - Part 2: Surgical management. Freeman HM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP854-7, Nov-Dec 75

Optic pits and posterior retinal detachment. Brockhurst RJ. **Trans Am Ophthalmol Soc** 73:264-91, 1976

Visual loss due to posterior segment disease in scleritis. Cleary PE, et al. **Trans Ophthalmol Soc UK** 95(2):297-300, Jul 75

[Retinal detachment associated with choroidal varices (dissociating the sclera) and with cutaneous tuberous angiomas] Limon S, et al. **Bull Soc Ophtalmol Fr** 74(12):1131-2, Dec 74 **(Fre)**

[Incidence of blindness caused by retinal detachment in children] Birsan S. **Rev Chir [Oftalmol]** 19(4):275-8, Oct-Dec 75 (Eng. Abstr.) **(Rum)**

[Probable role of the blood vessels in ruptures of the retina in idiopathic detachment] Vasinca M, et al. **Rev Chir [Oftalmol]** 19(3):205–8, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Recurrent retinal detachments, their treatment and prevention] Arkhangel'skaia EP. **Vestn Oftalmol** (6):22–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital retinal disinsertion syndrome. Boniuk M, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP827–34, Nov–Dec 75

DIAGNOSIS

Prognosis of primary rhegmatogenous retinal detachments. 1. Associations between clinical detachment characteristics, subretinal fluid butyrylcholinesterase and visual outcome following scleral buckling procedures. Kaufman PL. **Acta Ophthalmol (Kbh)** 53(4):660–71, Sep 75

Prognosis of primary rhegmatogenous retinal detachments. 2. Accounting for and predicting final visual acuity in surgically reattached cases. Kaufman PL. **Acta Ophthalmol (Kbh)** 54(1):61–74, Feb 76

Editorial: Retinal detachment. The role of the general ophthalmologist. Adams ST. **Arch Ophthalmol** 94(4):569–70, Apr 76

Letter: Role of the general ophthalmologist. Hagan JC. **Arch Ophthalmol** 94(9):1630, Sep 76

Letter: Intrathecal fluorescein for serous macular detachment. Kalina RE, et al. **Arch Ophthalmol** 94(8):1421, Aug 76

Hemorrhagic detachment of the peripheral retinal pigment epithelium. Silva VB, et al. **Arch Ophthalmol** 94(8):1295–1300, Aug 76

The biter bit. Taylor WO. **Br J Ophthalmol** 59(7):392, Jul 75

Echography in the diagnosis and management of retinal detachment. Sutherland GR, et al. **Br J Radiol** 48(574):796–800, Oct 75

The prognostic value of the scleral depressor in retinal detachment. Zayed A, et al. **Bull Ophthalmol Soc Egypt** 68:415–9, 1975

Retinopathy of prematurity and retinal detachment. Harris GS. **Can J Ophthalmol** 11(1):21–25, Jan 76

Radionuclidic explorations in ophthalmology. Safi N, et al. **Int J Nucl Med Biol** 2(4):166–73, Oct 75

B-scan ultrasonography of the retina and vitreous. Coleman DJ, et al. **Int Ophthalmol Clin** 16(1):31–43, Spring 76

Choroidal melanoma with massive retinal fibrosis and spontaneous regression of retinal detachment. Pitts RE, et al. **Surv Ophthalmol** 20(4):273–80, Jan–Feb 76

Management of retinal detachment in patients with intraocular lens (Copeland model of the Epstein lens). Norton EW. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP135–6, Jan–Feb 76

[Fluorescence angiography of the peripheral retina] Amalric P, et al. **Mod Probl Ophthalmol** 15:91–7, 1975 **(Fre)**

[Value of functional disorders in the diagnosis of idiopathic retinal detachment] Frileux R. **Mod Probl Ophthalmol** 15:323–7, 1975 (Eng. Abstr.) **(Fre)**

[Contribution to the problem of central serous retinal detachment (author's transl)] Paulmann H, et al. **Klin Monatsbl Augenheilkd** 167(2):324–32, Aug 75 (Eng. Abstr.) **(Ger)**

[Laminar macular holes] Starzycka M, et al. **Klin Oczna** 45(10–11):1169–74, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Macular holes] Szczypiński J. **Klin Oczna** 45(10–11):1161–7, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Diagnosis of different forms of retinal detachment] David M, et al. **Rev Chir [Oftalmol]** 19(3):161–70, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Diagnosis of retinal detachment by echography] Fodor F, et al. **Rev Chir [Oftalmol]** 19(3):191–4, Jul–Sep 75 **(Rum)**

[Configuration of retinal detachment and topography of ruptures] Pivovarov NN, et al. **Vestn Oftalmol** (6):18–22, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Kniest's disease. Metatropic dwarfism (author's transl)] Delgado A, et al. **An Esp Pediatr** 9(2):199–204, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Lysosomal enzymes in subretinal fluid. Hayasaka S, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 200(1):13–20, 26Jul 76

ETIOLOGY

Experimental fibroplasia in the rabbit vitreous. Effects of hyaluronidase and implantation of autologous dermal tissue. Algvere P, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):133–9, 14 Apr 76

Experimental Fibroplasia in the rabbit vitreous. Retinal detachment induced by autologous fibroblasts. Algvere P, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(3):215–22, 26 May 76

Retinal detachment in a battered infant. Weidenthal DT, et al. **Am J Ophthalmol** 81(6):725–7, Jun 76

Posterior vitreous detachment after cataract extraction in non-myopic eyes and the resulting retinal lesions. Friedman Z, et al. **Br J Ophthalmol** 59(8):451–4, Aug 75

Myopia–aphakia. I. Prevalence of retinal detachment. Hyams SW, et al. **Br J Ophthalmol** 59(9):480–2, Sep 75

Distribution of myopia in aphakic retinal detachments. Ruben M, et al. **Br J Ophthalmol** 60(7):517–21, Jul 76

Traumatic retinal detachments. Freeman HM, et al. **Int Ophthalmol Clin** 14(4):151–70, Winter 74

Massive vitreous retraction. Havener WH. **Int Ophthalmol Clin** 16(1):135–55, Spring 76

Juvenile retinal detachment. Winslow R, et al. **Int Ophthalmol Clin** 16(1):97–105, Spring 76

Rushing the net and retinal detachment. Seelenfreund MH, et al. **JAMA** 235(25):2723–6, 21 Jun 76

The surgical treatment of retinal detachment due to equatorial giant tears. Wessing A, et al. **Mod Probl Ophthalmol** 15:328–38, 1975

Fibrin clots in the choriocapillaris and serous detachment of the retina. Cogan DG. **Ophthalmologica** 172(4):298–307, 1976

Retinal accidents in pseudophakia—intracapsular vs extracapsular surgery. Binkhorst CD, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP120–7, Jan–Feb 76

Retinal detachment secondary to retinal branch vein occlusions. Gutman FA, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):491–6, May–Jun 76

Round atrophic holes in lattice degeneration—an important cause of phakic retinal detachment. Tillery WV, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):509–18, May–Jun 76

Aetiology of retinal detachment. Foulds WS. **Trans Ophthalmol Soc UK** 95(1):118–27, Apr 75 (33 ref.)

[Unusual clinical aspect of serous central choroiditis] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 75(3):303–4, Mar 75 **(Fre)**

[Bilateral central serous chorio-retinopathy, migratory on 1 side. Discussion of a case] Flament J, et al. **Bull Soc Ophtalmol Fr** 75(4):455–62, Apr 75 **(Fre)**

[Annular choroid detachment and retinal detachment during spontaneous luxation of the crystalline lens in Marfan's syndrome] Fouanon C, et al. **Bull Soc Ophtalmol Fr** 74(12):1203–6, Dec 74 **(Fre)**

[Possible complications of photocoagulations by argon laser. Discussion of a case] Haut J, et al. **Bull Soc Ophtalmol Fr** 75(4):368–73, Apr 75 **(Fre)**

[Bilateral degenerative retinal lesions in 2 univiteline twins with retinal detachment in 1] Lecoq PJ, et al. **Bull Soc Ophtalmol Fr** 74(5–6):545–6, May–Jun 74 **(Fre)**

[Apropos of the retinal palissade. Frequency and effect on retinal detachment] Ravault MP, et al. **Bull Soc Ophtalmol Fr** 75(11):1013–6, Nov 75 **(Fre)**

[Association of 2 triangular syndrome and retinoschisis after an ocular contusion] Risse JF, et al. **Bull Soc Ophtalmol Fr** 75(4):467–72, Apr 75 **(Fre)**

[The effect of pregnancy and labor on myopia and retinal detachment] Schenk H. **Gynaekol Rundsch** 15(4):301–4, 1975 **(Ger)**

[Bilateral marked fundus changes with neovascularisation and subsequent detachment in association with thrombocythaemia (author's transl)] Boergen KP, et al. **Klin Monatsbl Augenheilkd** 168(02):190–4, Feb 76 (Eng. Abstr.) **(Ger)**

[Indirect trauma and posterior vitreous detachment (author's transl)] Brandt HP, et al. **Klin Monatsbl Augenheilkd** 165(5):814–6, Nov 74 (Eng. Abstr.) **(Ger)**

[Mechanical factors contributing to the cause of retinal detachment (author's transl)] Draeger J, et al. **Klin Monatsbl Augenheilkd** 166(4):431–5, Apr 75 (Eng. Abstr.) **(Ger)**

[Postchoroidal retinoschisis] Egerer I. **Klin Monatsbl Augenheilkd** 166(6):831–4, Jun 75 (Eng. Abstr.) **(Ger)**

[Retinal detachment, caused by hyperaemia of hte choroid? Remarks on the supposed relationship between retinal detachment and 'indirect trauma' (author's transl)] Gärtner J. **Klin Monatsbl Augenheilkd** 166(4):559–63, Apr 75 (Eng. Abstr.) **(Ger)**

[Total cataract and retinal detachment after a blow from a cow's tail (author's transl)] Scheerer R. **Klin Monatsbl Augenheilkd** 167(1):123–4, Jul 75 (Eng. Abstr.) **(Ger)**

[Role of vitreous body in the pathogenesis of retinal degeneration and detachment] Stankiewicz A. **Klin Oczna** 45(9):995–6, Sep 75 **(Pol)**

[Postoperative detachment of the retina] Brucăr I, et al. **Rev Chir [Oftalmol]** 19(3):213–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Results of operations for retinal detachment after intraocular foreign bodies] Glăvan II, et al. **Rev Chir [Oftalmol]** 19(3):237–40, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Post-traumatic retinal detachment in children] Mihail S, et al. **Rev Chir [Oftalmol]** 19(1):5–8, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Detachment of the retina in myopia] Zolog N. **Rev Chir [Oftalmol]** 19(3):185–90, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Retinoschisis and its clinical relationship to retinal detachment] Khager G, et al. **Vestn Oftalmol** (4):51–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Intraocular pressure, cup–disc ratio, and steroid responsiveness in retinal detachment. Shammas HF, et al. **Arch Ophthalmol** 94(7):1108–9, Jul 76

Heterogeneity of congenital retinal non-attachment, falciform folds and retinal dysplasia. A guide to genetic counselling. Warburg M. **Hum Hered** 26(2):137–48, 1976

Genetics and retinal detachment. Deutman AF. **Mod Probl Ophthalmol** 15:22–33, 1975

Hereditary detachment of the retina in emmetropes and hyperopes. François J, et al. **Mod Probl Ophthalmol** 15:6–9, 1975

Genetical studies in nontraumatic retinal dialysis. Verdaguer TJ, et al. **Mod Probl Ophthalmol** 15:34–9, 1975

[Genetics and idiopathic retinal detachment] Cuendet JF, et al. **Mod Probl Ophthalmol** 15:10–21, 1975 (Eng. Abstr.) **(Fre)**

METABOLISM

Letter: Lipid concentration of the subretinal fluid. Kaufman PL. **Invest Ophthalmol** 15(3):237–8, Mar 76

Immunoelectrophoretic analysis of subretinal fluid and its diagnostic significance. Rahi AH, et al. **Trans Ophthalmol Soc UK** 95(1):180–3, Apr 75

[Transport of 131J-iodo-o-hippurate and 22Na out of the retroretinal space in experimental non rhegmatogenous detachment of the retina (author's transl)] Gloor BP, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):107–17, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Changes of the phosphatides and their fatty acids in the retina and in the fasciculus opticus after retinal detachment: investigations of human and animal retinae (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(2):187–95, 4 Feb 76 (Eng. Abstr.) **(Ger)**

[Transport of 131I-hippuric acid and 22Na from the space between retina and pigment epithelium after experimental amotio] Gloor BP, et al. **Mod Probl Ophthalmol** 15:115–8, 1975 (Eng. Abstr.) **(Ger)**

[Total protein concentration of the subretinal fluid in rhegmatogenous detachment of the retina (author's transl)] Himi T. **Acta Soc Ophthalmol Jpn** 79(12):1865–78, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Analysis of proteins of subretinal fluid from experimental retinal detachment by disc electrophoresis (author's transl)] Ishimaru R. **Acta Soc Ophthalmol Jpn** 79(10):1459–67, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Frequency of incidence of retina detachment in the French population. Percentage of bilateral detachment. Haut J, et al. **Arch Ophtalmol (Paris)** 35(6–7):533–6, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Ultrasonic findings in the vitreous body at different ages and in patients with detachment of the retina. Oksala A. **Albrecht von Graefes Arch Klin Ophthalmol** 197(1):83–7, 17 Oct 75

Glial cell proliferation in retinal detachment (massive periretinal proliferation). Laqua H, et al. **Am J Ophthalmol** 80(4):602–18, Oct 75

Clinical-pathological correlation in massive periretinal proliferation. Laqua H, et al. **Am J Ophthalmol** 80(5):913–29, Nov 75

Maculopathy as consequence of retinal detachment. Bernardczykowa A. **Bull Acad Pol Sci [Biol]** 23(12):839–45, 1975

Retinal pigment epithelium dystrophy in central serous detachment of sensory epithelium. Kolin J, et al. **Doc Ophthalmol** 39(1):1–12, 21 Nov 75

Fluorescein angiography of degenerative lesions of the peripheral fundus and rhegmatogenous retinal detachment. Tolentino FI, et al. **Int Ophthalmol Clin** 16(1):13–29, Spring 76

The vitreous in retinal detachment. Foulds WS. **Trans Ophthalmol Soc UK** 95(3):412–6, 1975

Pathology of the vitreo-retinal border structures. Gloor BP, et al. **Trans Ophthalmol Soc UK** 95(3):387–90, 1975

Macular hole and retinal detachment. Leaver PK, et al. **Trans Ophthalmol Soc UK** 95(1):145–7, Apr 75

Role of the pigment epithelium in vitreous pathology. Machemer R. **Trans Ophthalmol Soc UK** 95(3):402, 1975

[Displacement of retinal vessels] Kornacki B, et al. **Klin Oczna** 45(12):1251–4, Dec 75 (Eng. Abstr.) **(Pol)**

[Effect of structural changes of vitreous body on the metabolism and morphokinesis of eye structures] Stankiewicz A, et al. **Klin Oczna** 45(12):1243–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Delayed retinal changes following depolymerization of vitreous body by hyaluronidase] Szram S, et al. **Klin Oczna** 45(12):1233–6, Dec 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Changes in intraocular pressure during treatment of retinal detachment using cerclage without puncture] Dellord JJ. **Bull Soc Ophtalmol Fr** 74(9–10):1001–3, Sep–Oct 74 **(Fre)**

[ERG- and EOG results in the vitreo-retinal syndrom of Jaffe (author's transl)] Denden A. **Albrecht von Graefes Arch Klin Ophthalmol** 198(3):265–73, 3 Mar 76 (Eng. Abstr.) **(Ger)**

[Influence of occlusion of retinal vessels on the transport of 22Na and 131J-iodo-o-hippurate out of the subretinal space (experiments performed on cats) (author's transl)] Stürm R, et al.

Albrecht von Graefes Arch Klin Ophthalmol 197(2):119–27, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Peripheral retinal circulation times in connection with retinal detachment (author's transl)] Tillmann W.
Albrecht von Graefes Arch Klin Ophthalmol 195(3):207–14, 6 Jun 75 (Eng. Abstr.) **(Ger)**

[Reversible discontinuous arteriopathy (Kyrieleis) with multiple detachment of pigment epithelium at the posterior pole (author's transl)] Ritzinger I, et al.
Klin Monatsbl Augenheilkd 165(5):770–5, Nov 74 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Oblique muscle myotomy, a prophylactic measure against retinal detachment. El Aswad MA, et al.
Bull Ophthalmol Soc Egypt 67:209–11, 1974

[Argon laser in the prevention of retinal detachment] Labrune P, et al. **Arch Ophtalmol (Paris)** 35(10):725–34, Oct 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Idiopathic focal subretinal neovascularization. Cleasby GW.
Am J Ophthalmol 81(5):590–9, May 76

SURGERY

Management of traumatic retinal detachment with pars plana vitrectomy, scleral buckling, and gas injection. Peyman GA, et al. **Acta Ophthalmol (Kbh)** 53(5):731–7, Nov 75

Electron microscopy study of cryogenic chorioretinal adhesions. Feman SS, et al. **Am J Ophthalmol** 81(6):823–32, Jun 76

Treatment of rhegmatogenous retinal detachment secondary to proliferative diabetic retinopathy. Gragoudas ES, et al.
Am J Ophthalmol 81(6):810–9, Jun 76

Repair and adhesion mechanisms of the cryotherapy lesion in experimental retinal detachment. Laqua H, et al.
Am J Ophthalmol 81(6):833–46, Jun 76

The past 25 years of surgery. Norton EW.
Am J Ophthalmol 80(3 Pt 1):450–9, Sep 75

Simultaneous bacterial endophthalmitis and sympathetic uveitis after retinal detachment surgery. Pusin SM, et al.
Am J Ophthalmol 81(1):57–61, Jan 76

Motility dysfunction following surgery for retinal detachment. Roth AM, et al. **Am Orthopt J** 25:118–21, 1975

Use of ophthalmic gelfilm in retinal surgery. Levit R, et al.
Ann Ophthalmol 7(12):1613–6, Dec 75

Scleral buckling in retinoblastoma: case report. Pruett RC.
Ann Ophthalmol 7(8):1115–20, Aug 75

Limits of constriction in the treatment of retinal detachment. Lincoff H, et al. **Arch Ophthalmol** 94(9):1473–7, Sep 76

Retinal tears 180 degrees and greater. Management with vitrectomy and intravitreal gas. Machemer R, et al.
Arch Ophthalmol 94(8):1340–6, Aug 76

Vortex vein occlusion in retinal detachment surgery. El Aswad MA, et al. **Bull Ophthalmol Soc Egypt** 67:199–207, 1974

'Dura mater' preservation and use in retinal detachment surgery (preliminary report). El Dein Hussein SS.
Bull Ophthalmol Soc Egypt 67:213–8, 1974

Surgery of giant horse-shoe retinal tear extending behind the equator of the globe by an oblique encircling silastic 3 mm band passing posterior to the tear without evacuation of the subretinal fluid. Mortada A.
Bull Ophthalmol Soc Egypt 67:151–7, 1974

Delayed diffuse exudative aseptic choroiditis produced by pressure of encircling silastic band without evacuation of subretinal fluid in retinal detachment surgery. Mortada A.
Bull Ophthalmol Soc Egypt 67:119–25, 1974

Surgery of macular hole with detachment by an obique encircling silastic 3 mm band sutured to its middle 8 times 8 times 1 mm silicone plate pushed backwards by little finger on plate side to buckle the macular area without evacuation of subretinal fluid. Mortada A.
Bull Ophthalmol Soc Egypt 67:139–44, 1974

Encircling silastic 3mm. band without evacuation of subretinal fluid in recently retinal detachment. Mortada A.
Bull Ophthalmol Soc Egypt 68:431–40, 1975

Innocuous retinal detachment surgery. Siam AL, et al.
Bull Ophthalmol Soc Egypt 67:127–38, 1974

The management of diabetic traction detachment. Zayed A.
Bull Ophthalmol Soc Egypt 68:409–13, 1975

Ultrasonic and laser techniques for vitreous transplantation in retinal detachment and diabetic retinopathy. pp. 655–64. Karlin DB.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Use of the V.I.S.C. in rhegmatogenous retinal detachment. pp. 530–4. Machemer R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

An evaluation of vitrectomy surgery for traction detachment in diabetics. pp. 569–74. O'Grady GE.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Scleral buckling procedures and/or vitrectomy for traction detachments. pp. 561–8. Okun E, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Dry detachment surgery. Patnaik B, et al.
Indian J Ophthalmol 22(3):13–6, Sep 74

Cryosurgery of the retina. Kreissig I, et al.
Int Ophthalmol Clin 16(1):63–81, Spring 76

Radial buckling in the repair of retinal detachment. Lincoff H. **Int Ophthalmol Clin** 16(1):127–34, Spring 76

Diabetic retinal detachment. O'Connor PR.
Int Ophthalmol Clin 16(1):157–67, Spring 76

Vitreous surgery and retinal detachment. O'Grady GE.
Int Ophthalmol Clin 16(1):169–93, Spring 76

Study on the mechanism of delayed absorption of the subretinal fluid. Akiyama K. **Keio J Med** 25(1):17–26, Jan 76

Drainage of the subretinal fluid and injection of saline solution into the vitreous body. Blagojević M, et al.
Mod Probl Ophthalmol 15:169–73, 1975

Puncture of subretinal fluid controlled by transillumination with fiber-optics. Dominguez A. **Mod Probl Ophthalmol** 15:134–6, 1975

Innovations in the technique for drainage of subretinal fluid, transillumination and choroidal diathermy. Freeman HM, et al. **Mod Probl Ophthalmol** 15:119–26, 1975

Further studies in the use of hyperbaric oxygen in retinal detachment with sickle cell anemia. Freilich DB, et al.
Mod Probl Ophthalmol 15:313–7, 1975

Release of subretinal fluid with the aid of the microscope. Report on 100 cases. Gärtner J. **Mod Probl Ophthalmol** 15:127–33, 1975

Drainage of subretinal fluid: why, when, where and how. Johnston GP, et al. **Mod Probl Ophthalmol** 15:107–206, 1975

The role of non-drainage in reoperation. Leaver PK, et al.
Mod Probl Ophthalmol 15:180–4, 1975

Encircling operations without drainage of subretinal fluid. Lincoff H, et al. **Mod Probl Ophthalmol** 15:188–96, 1975

Controlled release of subretinal fluid. Martin B.
Mod Probl Ophthalmol 15:149–53, 1975

Drainage of subretinal fluid with a cathode needle. Meyer-Schwickerath G, et al. **Mod Probl Ophthalmol** 15:154–7, 1975

Intraocular injection of balanced salt solution and/or air as aids in the release of subretinal fluid. Rodriguez A.
Mod Probl Ophthalmol 15:158–62, 1975

Traction release of subretinal fluid. Spalter HF.
Mod Probl Ophthalmol 15:163–8, 1975

Retinal detachement. 3. Garston JB. **Nurs Times** 72(11):413–5, 18 Mar 76

Macular vision following retinal detachment surgery. Davidorf FH, et al. **Ophthalmic Surg** 6(4):74–81, Winter 75

Intravitreous air injection and the Custodis procedure. O'Connor PR. **Ophthalmic Surg** 7(2):86–9, Summer 76

Extraocular observations in episcleral sponge implants. Theodossiadis G, et al. **Ophthalmologica** 171(6):439–50, 1975

Infections after retinal detachment surgery. Hagler WS, et al. **South Med J** 68(12):1564–9, Dec 75

Pars plana vitrectomy. Retinal detachment. Aaberg TM.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):402–5, May–Jun 76

Treatment of retinal detachment without inducing chorioretinal lesions. Zaubermann H, et al.
Trans Am Acad Ophthalmol Otolaryngol 79(6):OP835–44, Nov–Dec 75

The induction of refractive errors by retinal detachment surgery. Rubin ML. **Trans Am Ophthalmol Soc** 73:452–90, 1976

Giant retinal tears. Hunyor AB.
Trans Ophthalmol Soc NZ 28:107–10, 1976

The treatment of two macular disorders with the argon laser. McGuinness R, et al. **Trans Ophthalmol Soc NZ** 28:91–3, 1976

Complications after retinal detachment surgery. Chignell AH. **Trans Ophthalmol Soc UK** 95(1):134–7, Apr 75

Functional recovery of the retina after retinal detachment. Chisholm IA, et al. **Trans Ophthalmol Soc UK** 95(1):167–172, Apr 75

Localization in retinal surgery. Fison L.
Trans Ophthalmol Soc UK 95(1):113–4, Apr 75

Management of retinal detachment. Logan WC, et al.
Trans Ophthalmol Soc UK 94(4):1043–9, 1974

The Arruga suture for retinal detachment 17 years on. McAuley FD. **Trans Ophthalmol Soc UK** 95(1):165–6, Apr 75

Treatment of massive vitreous retraction. Scott JD.
Trans Ophthalmol Soc UK 95(3):429–32, 1975

Photocoagulation of exudative senile maculopathy. A followup report. Cleasby GW, et al.
Trans Pac Coast Otoophthalmol Soc 55:159–66, 1974

The surgical repair of retinal detachment. Results and complications. Miller JB.
Trans Pac Coast Otoophthalmol Soc 55:253–78, 1974

[Use of laser in ophthalmology. I. Experimental work] Cüpak K, et al. **Acta Med Iugosl** 30(3):229–38, 1976 (Eng. Abstr.) **(Cro)**

[Pathology and therapy of retinal detachment in young persons] Pitter J. **Cesk Oftalmol** 31(6):460–7, Nov 75 (Eng. Abstr.) **(Cze)**

[Retinal detachment caused by disinsertion of the ora serrata. Study of 100 cases treated by various methods] Haut J, et al. **Arch Ophtalmol (Paris)** 35(4):327–40, Apr 75 (Eng. Abstr.) **(Fre)**

[29 cases of retinal detachment caused by a macular hole] Haut J, et al. **Arch Ophtalmol (Paris)** 35(11):865–70, Nov 75 (Eng. Abstr.) **(Fre)**

[Intraocular complications following Custodis-Lincoff operation] Theodossiadis G, et al.
Arch Ophtalmol (Paris) 35(8–9):627–38, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Retinal cryopexy by use of a fixed episcleral guide] Covelli B. **Bull Mem Soc Fr Ophtalmol** (87):329–30, 1976 **(Fre)**

[Surgical treatment of giant tears with inversion of the retina] Missotten L, et al. **Bull Soc Belge Ophtalmol** (172):782–8, 1975 (Eng. Abstr.) **(Fre)**

[Exudative retinal swelling after treatment for retinal detachment (à propos of 4 cases)] Bessière E, et al.
Bull Soc Ophtalmol Fr 75(5–6):581–9, May–Jun 75 **(Fre)**

[Study of the causes of failure of the scleral pocket] Bronner A, et al. **Bull Soc Ophtalmol Fr** 74(5–6):685–7, May–Jun 74 **(Fre)**

[Is the preventive treatment of retinal detachment effective? (Report after 14 years use of xenon photocoagulation)] Bronner A, et al. **Bull Soc Ophtalmol Fr** 74(11):1103–6, Nov 74 **(Fre)**

[Use of a silastic leaf in the surgical treatment of retinal detachment] Constantinides G, et al.
Bull Soc Ophtalmol Fr 74(7–8):793–8, Jul–Aug 74 **(Fre)**

[Technic of cerclage-indentation using a band of lyophilized sclera] Ravault MP, et al. **Bull Soc Ophtalmol Fr** 74(9–10):903–5, Sep–Oct 74 **(Fre)**

[Intolerance of elastic silicone sponge after its therapeutic use in retinal detachment] Rouchy JP.
Bull Soc Ophtalmol Fr 74(12):1185–91, Dec 74 **(Fre)**

[Banding treatment of giant retinal detachments] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 75(5–6):697–706, May–Jun 75 **(Fre)**

[Surgical treatment of retinal detachment without drainage: apropos of 100 consecutive cases] Coscas G, et al.
Mod Probl Ophthalmol 15:174–9, 1975 (Eng. Abstr.) **(Fre)**

[Advantages and complications of non-drainage of subretinal fluid in detached retinal surgery] Gerhard JP, et al.
Mod Probl Ophthalmol 15:185–7, 1975 (Eng. Abstr.) **(Fre)**

[Puncture in retinal detachment surgery] Guillaumat L, et al. **Mod Probl Ophthalmol** 15:207–13, 1975 (Eng. Abstr.) **(Fre)**

[Attitude toward subretinal fluid and consequent treatment of idiopathic retinal detachment] Rouchy JP, et al.
Mod Probl Ophthalmol 15:214–25, 1975 (Eng. Abstr.) **(Fre)**

[Indications for vitrectomy] Vena A.
Mod Probl Ophthalmol 15:291–9, 1975 **(Fre)**

[Use of muscle surgery sutures in retinal detachment operations (author's transl)] Arruga A.
Klin Monatsbl Augenheilkd 167(2):179–84, Aug 75 (Eng. Abstr.) **(Ger)**

[Diathermy procedures, light and laser coagulation, cryocoagulation. Experimental and clinical considerations] Lund OE, et al. **Klin Monatsbl Augenheilkd** 168(05):603–12, May 76 (Eng. Abstr.) **(Ger)**

[Suprachoroidal (subscleral) fillings of human fat for the operation of retinal ablations (author's transl)] Sachsenweger R, et al. **Klin Monatsbl Augenheilkd** 167(2):191–8, Aug 75 (Eng. Abstr.) **(Ger)**

[Some clinical aspects concerning diplopia after retinal detachment surgery with cryopexy and episcleral silastic sponge (author's transl)] Theodossiadis G, et al.
Klin Monatsbl Augenheilkd 166(4):423–31, Apr 75 (Eng. Abstr.) **(Ger)**

[Macular pucker after retinal detachment surgery (author's transl)] von Barsewisch B, et al.
Klin Monatsbl Augenheilkd 167(3):360–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Sensory and pupillomotor sensitivity after surgical treatment of retinal detachment] Alexandridis E, et al.
Mod Probl Ophthalmol 15:300–3, 1975 **(Ger)**

[Clinical and technical aspects of subretinal drainage] Hübner H, et al. **Mod Probl Ophthalmol** 15:137–42, 1975 **(Ger)**

[Postoperative changes in visual acuity in cases with retinal detachment. Part 2. Changes during period up to three years after discharge from hospital (author's transl)] Ogita S, et al. **Acta Soc Ophthalmol Jpn** 79(12):1840–4, 10 Dec 75 **(Jpn)**

[Analysis of retinal detachment cases treated with ruby laser coagulation] Falkowska Z, et al. **Klin Oczna** 45(7):705–8, Jul 75 (Eng. Abstr.) **(Pol)**

[Treatment of retinal detachment with a suspected intrabulbar tumor] Mądroszkiewicz A, et al. **Klin Oczna** 45(12):1285–7, Dec 75 **(Pol)**

[Photopic response in the ERG recording following surgical reattachment of the retina] Moszczyńska-Kowalska A, et al. **Klin Oczna** 45(12):1309–14, Dec 75 (Eng. Abstr.) **(Pol)**

[Maculopathies as a late complication of surgical treatment of retinal detachment] Ogielska E, et al. **Klin Oczna** 45(10–11):1181–4, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Shortening of the eyeball with scleral inversion in the surgical treatment of retinal detachment by the modified Bulness and Dalma method] Gâdescu P, et al.
Rev Chir [Oftalmol] 19(3):217–22, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[10-year follow-up of surgical results in patients with retinal detachment in the polyclinics of Constanţa] Gal V, et al.
Rev Chir [Oftalmol] 19(4):287–8, Oct–Dec 75 **(Rum)**

[Surgical treatment of idiopathic retinal detachment, using simple fixation by means of diathermocoagulation associated with air injection into the vitreous body] Miesa

MV, et al. **Rev Chir [Oftalmol]** 20(2):155–6, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Arruga's cerclage with a perilimbic conjunctival incision] Oancea I, et al. **Rev Chir [Oftalmol]** 19(4):309–10, Oct–Dec 75 **(Rum)**

[Surgical principles in the treatment of retinal detachment] Olteanu M, et al. **Rev Chir [Oftalmol]** 19(3):171–6, Jul–Sep 75 **(Rum)**

[Postoperative results in retinal detachment] Păeurariu I, et al. **Rev Chir [Oftalmol]** 19(3):177–84, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Surgical results in retinal detachment treated by sclero–choroid indentation with fascia lata] Popescu MP, et al. **Rev Chir [Oftalmol]** 18(5):441–6, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Some ethical and medicolegal aspects of retinal detachment] Popoviciu M, et al. **Rev Chir [Oftalmol]** 19(3):231–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Change in visual acuity after preoperative decubitus as a function test in retinal detachment] Radian AL, et al. **Rev Chir [Oftalmol]** 19(3):223–6, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Adjustable shortening of the eyeball] Stănescu P. **Rev Chir [Oftalmol]** 19(3):209–12, Jul–Sep 75 **(Rum)**

[Our experience in the surgical treatment of detachment of the retina] Vancea PP, et al. **Rev Chir [Oftalmol]** 19(3):195–203, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Effectiveness of the operation of scleral buckling with sealing using dehydrated homotissues in severe and complicated cases of retinal detachment] Goriachev IuE. **Oftalmol Zh** 30(8):588–91, 1975 (Eng. Abstr.) **(Rus)**

[Local indentation of the sclera by means of the Achilles tendon in the treatment of retinal detachment] Khasanova NKh, et al. **Oftalmol Zh** 30(7):489–90, 1975 (Eng. Abstr.) **(Rus)**

[Experience in treating traumatic retinal detachment] Indeĭkin EN, et al. **Voen Med Zh** (3):67–9, Mar 76 **(Rus)**

THERAPY

Ocular findings six years after intravitreal silicone injection. Sugar HS, et al. **Arch Ophthalmol** 94(4):612–5, Apr 76

The use of intraocular sulfur hexafluoride in vitrectomy. pp. 535–42. Norton EW, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The current status of silicon oil. (Analysis of long–term successes). pp. 518–22. Okun E.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Outstanding problems in retinal detachment. Management of vitreous and retinal detachment in diabetic retinopathy. Blach RK. **Trans Ophthalmol Soc UK** 95(1):158–64, Apr 75

[Reduction of subretinal fluid by using ocular pressure] Kutschera E, et al. **Mod Probl Ophthalmol** 15:143–8, 1975 **(Ger)**

[Retinal pigment epithelial cells after xenon arc photocoagulation in the detached retina of the rabbits—scanning electron microscopic observation (author's transl)] Mii T, et al. **Acta Soc Ophthalmol Jpn** 80(1):40–50, 10 Jan 76 (Eng. Abstr.) **(Jpn)**

VETERINARY

Acquired retinal folds in the cat. MacMillan AD.
J Am Vet Med Assoc 168(11):1015–20, 1 Jun 76

RETINAL DISEASES

Acute macular neuroretinopathy. Bos PJ, et al.
Am J Ophthalmol 80(4):573–84, Oct 75

A selected review of current retinal research and study. Cohen J. **Am J Optom Physiol Opt** 53(6):318–28, Jun 76 (38 ref.)

Atypical angiomatosis retinae. Positive blanch test. O'Connor PR, et al. **Arch Ophthalmol** 93(12):1368–9, Dec 75

Reticular dystrophy of retina. Chopdar A.
Br J Ophthalmol 60(5):342–4, May 76

Retinopathy of obscure origin. Hussein SS.
Bull Ophthalmol Soc Egypt 67:167–70, 1974

Retinoschisis. Siam AL. **Bull Ophthalmol Soc Egypt** 68:365–72, 1975

Retinopathy in low–birthweight infants. Flynn JT.
Dev Med Child Neurol 17(4):525–6, Aug 75

Juvenile retinoschisis. Ide CH. **Eye Ear Nose Throat Mon** 55(5):174–5, May 76

So–called 'central retinal vein occlusion'. I. Pathogenesis, terminology, clinical features. Hayreh SS.
Ophthalmologica 172(1):1–13, 1976

So–called 'central retinal vein occlusion'. II. Venous stasis retinopathy. Hayreh SS. **Ophthalmologica** 172(1):14–37, 1976

Retinal disturbances in renal dialysis patients. Jansonius D.
Ophthalmologica 171(4–5):346, 1975

Gyrate atrophy of the choroid and retina: clinical, ophthalmologic, and biochemical considerations. McCulloch C, et al. **Trans Am Ophthalmol Soc** 73:153–71, 1976

[Pseudotumoral massive retinal gliosis localized at the ora. Conservative treatment by cyclectomy] Offret G, et al.
Bull Soc Ophtalmol Fr 74(5–6):557–9, May–Jun 74 **(Fre)**

[Introductory remarks to the 5th Symposium on Retinology] Orlowski WJ. **Klin Oczna** 45(10–11):1065–8, Oct–Nov 75 **(Pol)**

BLOOD

[Disorders of platelet behavior in retinal vascular pathology] Franceschetti AT, et al. **Ophthalmologica** 172(2–3):259–63, 1976 **(Fre)**

[Platelet aggregation in retinal vein obstruction (author's transl)] Kimura S, et al. **Acta Soc Ophthalmol Jpn** 79(11):1753–7, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Toxic maculopathy. Part I. A result of quinine usage. Maltzman B, et al. **Ann Ophthalmol** 7(10):1321–6, Oct 75

Alkali retinopathy. Smith RE, et al. **Arch Ophthalmol** 94(1):81–4, Jan 76

Developmental abnormality of the retina caused by postnatal administration of cytosine arabinoside. Shimada M, et al.
Biol Neonate 26(5–6):359–66, 1975

An epidemiological study on retinopathy due to carbon disulfide: CS2 exposure level and development of retinopathy. Sugimoto K, et al.
Int Arch Occup Environ Health 37(1):1–8, 28 Apr 76

Flecked retina secondary to oxalate crystals from methoxyflurane anesthesia: clinical and experimental studies. Albert DM, et al.
Trans Am Acad Ophthalmol Otolaryngol 79(6):OP817–26, Nov–Dec 75

Retinal and optic nerve atrophy induced by intravitreous vincristine in the primate. Green WR.
Trans Am Ophthalmol Soc 73:389–416, 1976

Chloroquine retinopathy in the rat. Thompson SW.
Vet Pathol 12(1):71, 1975

Electrophysiological studies on a case of thioridazine pigmentary retinopathy. Tamai A, et al.
Yonago Acta Med 19(3):188–96, Dec 75

[Retinal damage and oral contraceptives] Swane Lund FN, et al. **Ugeskr Laeger** 138(4):219–21, 19 Jan 76 (Eng. Abstr.) **(Dan)**

[Fluorescent electroretinography in the early detection of maculopathy caused by synthetic antimalarials] Bec P, et al. **Bull Soc Ophtalmol Fr** 75(4):353–66, Apr 75 **(Fre)**

[Retinopathy caused by chloroquine in the prevention of malaria in children] Védy MJ. **Bull Soc Ophtalmol Fr** 75(5–6):609–11, May–Jun 75 **(Fre)**

[Postnatal development of the rat retina under DNS–inhibitor (chloroquinediphosphate) mediation (author's transl)] Ferrier R, et al.
Albrecht von Graefes Arch Klin Ophthalmol 197(2):129–44, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Drugs with unwanted side–effects on the retinal vessels (author's transl)] Gnad HD. **Klin Monatsbl Augenheilkd** 167(4):604–7, Oct 75 (Eng. Abstr.) **(Ger)**

[Fluorangiographic data on hydroxychloroquine retinopathy in patients with rheumatoid arthritis] Trotta F, et al.
Reumatismo 24(4):265–73, Oct–Dec 72 (Eng. Abstr.) **(Ita)**

[Electrophysiological studies on a case of chloroquine retinopathy (author's transl)] Tamai A, et al.
Acta Soc Ophthalmol Jpn 80(4):187–90, 1976 (Eng. Abstr.) **(Jpn)**

[Chloroquine–induced retinopathy in patients with rheumatoid arthritis] Elman A, et al. **Lakartidningen** 72(35):3211–5, 27 Aug 75 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Ring scotomata in fundus flavimaculatus. Passmore JA, et al. **Am J Ophthalmol** 80(5):907–12, Nov 75

Retinal lesions in tuberous sclerosis. Nyboer JH, et al.
Arch Ophthalmol 94(8):1277–80, Aug 76

Multiple major retinal vascular occlusions in sickle cell haemoglobin C disease. Chopdar A. **Br J Ophthalmol** 59(9):493–6, Sep 75

Disc oedema in congenital amaurosis of Leber. Flynn JT, et al. **Br J Ophthalmol** 59(9):497–502, Sep 75

Retinopathy in juvenile dermatomyositis. Fruman LS, et al.
J Pediatr 88(2):267–9, Feb 76

The surgical treatment of retinal detachment due to equatorial giant tears. Wessing A, et al.
Mod Probl Ophthalmol 15:328–38, 1975

[Incidence of retinal complications in dystrophia myotonica] Babel J. **J Genet Hum** 23 SUPPL:167–71, Oct 75 **(Fre)**

[Functional and structural changes of the macula lutea as a cause of vision disorder in strabismus] Averbukh SL, et al. **Oftalmol Zh** 30(3):225–8, 1975 **(Rus)**

CONGENITAL

Macular changes in congenital retinoschisis. Tasman W.
Mod Probl Ophthalmol 15:40–9, 1975

[Foveal optic disk with central retinoschisis] Alexandrescu M, et al. **Ber Dtsch Ophthalmol Ges** (73):149–52, 1975 **(Ger)**

DIAGNOSIS

Spontaneous regression (autoinfarction) of proliferative sickle retinopathy. Nagpal KC, et al. **Am J Ophthalmol** 80(5):885–92, Nov 75

Laser interferometry: evaluation of potential visual acuity in the presence of cataracts. Cohen MM.
Ann Ophthalmol 8(7):845–9, Jul 76

Migratory white–without–pressure retinal lesions. Nagpal KC, et al. **Arch Ophthalmol** 94(4):576–9, Apr 76

Preretinal vitreous membrane in subacute sclerosing panencephalitis. Raymond LA, et al. **Arch Ophthalmol** 94(8):1412–3, Aug 76

Neuro–ophthalmic sarcoidosis. Turner RG, et al.
Br J Ophthalmol 59(11):657–63, Nov 75

Adult toxocaral infection with focal retinal lesion. Raistrick ER, et al. **Br Med J** 3(5980):416, 16 Aug 75

Fluorescein angiography. Siam AL.
Bull Ophthalmol Soc Egypt 68:441–61, 1975

Haemangiomas of the fundus. Von Winning CH.
Doc Ophthalmol 40(2):361–81, 31 Mar 76

Chorioretinale Erkrankungen und Fluoreszenzangiographie. Wessing A. **Doc Ophthalmol** 40(2):325–37, 31 Mar 76

Bright flash ERG. pp. 97–9. Fuller D, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonographic ocular evaluation prior to vitrectomy. pp. 100–12. Jack RL.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Clinical sign of obstructed axoplasmic transport. McLeod D. **Lancet** 2(7942):954–6, 15 Nov 75

Cherry red spots and progressive myoclonus without dermentia: a distinct syndrome with neuronal storage. Rapin I, et al. **Trans Am Neurol Assoc** 100:39–42, 1975

[Electroretinographic alterations in recent occlusions of blood vessels in the ocular fundus] Balik J.
Cesk Oftalmol 31(6):417–22, Nov 75 (Eng. Abstr.) **(Cze)**

[Fluorographic aspect of papillo–retinal edema due to hypotonia] Turut P, et al. **Bull Soc Ophtalmol Fr** 74(4):486–92, Apr 74 **(Fre)**

[Functional examination of the macular region: flicker ERG and perceptual fusion thresholds to an intermittent light (Lange's curve)] Korol S, et al. **Ophthalmologica** 172(2–3):172–4, 1976 **(Fre)**

[Examination of color perception] Grützner P.
Ber Dtsch Ophthalmol Ges (73):93–7, 1975 **(Ger)**

[Differential diagnosis of non–rhegmatogenous retinal findings] Lincoff H, et al. **Ber Dtsch Ophthalmol Ges** (73):349–60, 1975 **(Ger)**

[Circular holes of the retina in the fluorescence picture] Tillmann W. **Ber Dtsch Ophthalmol Ges** (73):284–7, 1975 **(Ger)**

[Principles of diagnostic progress through fluorescence angiography] Wessing A. **Ber Dtsch Ophthalmol Ges** (73):566–8, 1975 **(Ger)**

[Clinical contribution to Jaffe's syndrome (author's transl)] Denden A, et al. **Klin Monatsbl Augenheilkd** 168(02):235–41, Feb 76 (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of macular lesions in multifocal chorioiditis (presumed histoplasmosis) (author's transl)] Notting JG, et al. **Klin Monatsbl Augenheilkd** 166(5):629–36, May 75 (Eng. Abstr.) **(Ger)**

[Aicardi–syndrome (author's transl)] Tillmann W, et al.
Klin Monatsbl Augenheilkd 167(3):496–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Blood–filled macrocysts of the retina. A comtribution to the differential diagnosis of malignant melanoma of the choroid (author's transl)] Vogel MH.
Klin Monatsbl Augenheilkd 167(6):855–64, Dec 75 (Eng. Abstr.) **(Ger)**

[Macular pucker after retinal detachment surgery (author's transl)] von Barsewisch B, et al.
Klin Monatsbl Augenheilkd 167(3):360–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Biomicroscopical examination of the macula] Bartkowska–Orlowska M, et al. **Klin Oczna** 45(10–11):1075–9, Oct–Nov 75 **(Pol)**

[Fundus flavimaculatus] Bryk E. **Klin Oczna** 46(3):327–30, Mar 76 (Eng. Abstr.) **(Pol)**

[Fluorescein angiography and angioscopy in clinical and ambulatory practice] Mondelski S. **Klin Oczna** 46(1):59–62, Jan 76 (Eng. Abstr.) **(Pol)**

[Laminar macular holes] Starzycka M, et al. **Klin Oczna** 45(10–11):1169–74, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Macular holes] Szczypiński J. **Klin Oczna** 45(10–11):1161–7, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Improvement of the photostress test method and its use for the diagnosis of diseases of the macular region of the retina] Balashevich LI. **Oftalmol Zh** 30(7):523–8, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Clinical and biochemical indications for the use of nerobol in complex treatment of retinal distrophy. Trutneva KV, et al. **Bull Ophthalmol Soc Egypt** 67:121–3, 1974

[Value of pyridinol carbamate in ocular vascular pathology (Angioxine)] Boudet, et al. **Bull Soc Ophtalmol Fr** 74(9–10):977–80, Sep–Oct 74 **(Fre)**

[Eutergine and retinal arteriosclerosis] Ourgaud AG, et al.
Bull Soc Ophtalmol Fr 75(5–6):591–607, May–Jun 75 **(Fre)**

[Non–inflammatory diseases of the retina] Fechner PU.
Buech Augenarzt 67(0):261–73, 1976 **(Ger)**

ETIOLOGY

Peripheral chorioretinal lesions and axial length of the myopic eye. Karlin DB, et al. **Am J Ophthalmol** 81(5):625–35, May 76

The effects of laser photocoagulation in the retinal capillaries.

Okisaka S, et al. **Am J Ophthalmol** 80(4):591–601, Oct 75

Presumed ocular histoplasmosis. Wilkinson CP. **Am J Ophthalmol** 82(1):140–2, Jul 76

Retinal ischemia in diabetic retinopathy. Bresnick GH, et al. **Arch Ophthalmol** 93(12):1300–10, Dec 75

Ischemia of ciliary arterial circulation from ocular compression. Jampol LM, et al. **Arch Ophthalmol** 93(12):1311–7, Dec 75

Light damage in the developing rat retina. Kuwabara T, et al. **Arch Ophthalmol** 94(8):1369–74, Aug 76

Is hemoglobin C relevant to the genesis of proliferans retinopathy? Condon PI, et al. **Birth Defects** 12(3):517–25, 1976 (9 ref.)

Hypotensive retinopathy. El-Massri A, et al. **Bull Ophthalmol Soc Egypt** 67:175–7, 1974

The progression of sickle cell eye disease in Jamaica. Condon PI, et al. **Doc Ophthalmol** 39(1):203–10, 21 Nov 75

Retinal pigment epithelium dystrophy in central serous detachment of sensory epithelium. Kolin J, et al. **Doc Ophthalmol** 39(1):1–12, 21 Nov 75

Vitreoretinal pathology. Escoffery RF, et al. **Int Ophthalmol Clin** 16(1):45–61, Spring 76 (14 ref.)

Cytomegalovirus infection of the retina. Nicholson DH. **Int Ophthalmol Clin** 15(4):151–62, Winter 75 (30 ref.)

Editorial: Phototherapy and retinal damage. Dobson V. **Invest Ophthalmol** 15(8):595–8, Aug 76

Editorial: Bruch's membrane and vascular growth. Goldberg MF. **Invest Ophthalmol** 15(6):443–6, Jun 76

Retinal neovascularization: the sleeping dog of the eye. Wilson RS, et al. **J Arkansas Med Soc** 72(7):269–72, Dec 75

Massive periretinal proliferation (MPP) IV. Pre- and subretinal proliferation of glial tissue in experimental retinal detachment. Laqua H. **Mod Probl Ophthalmol** 15:235–45, 1975

Massive periretinal proliferation (MPP) I. Pigment epithelium proliferation. Machemer R. **Mod Probl Ophthalmol** 15:227, 1975

Microembolism and the visual system. Part II: the consequence of emboli in the microcirculation of nervous tissue, especially that comprizing the visual system. Williams IM, et al. **Proc Aust Assoc Neurol** 12:179–84, 1975

The natural history of senile retinoschisis. Byer NE. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):458–71, May–Jun 76

Retinal opacification after blunt non-perforating concussional injuries to the globe. A clinical and retinal fluorescein angiographic study. Hart JC, et al. **Trans Ophthalmol Soc UK** 95(1):94–100, Apr 75

[Exudative retinal swelling after treatment for retinal detachment (à propos of 4 cases)] Bessière E, et al. **Bull Soc Ophtalmol Fr** 75(5–6):581–9, May–Jun 75 **(Fre)**

[Classification of retinal retraction syndrome] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 74(7–8):817–9, Jul–Aug 74 **(Fre)**

[Jaffe's syndrome of premacular fibrosis: functional and etiological data (à propos of 34 cases)] Metge P, et al. **Bull Soc Ophtalmol Fr** 75(5–6):592, May–Jun 75 **(Fre)**

[Retinal manifestations of renal diseases] Orgul I. **Rev Med Suisse Romande** 95(3):221–4, Mar 75 **(Fre)**

[Retinal reactions to intense light. I. Threshold lesions. Experimental, morphological and clinical studies of pathological and therapeutic effects of laser and white light] Wallow IH, et al. **Adv Ophthalmol** 31:159–232, 1975 (Eng. Abstr.) **(Ger)**

[Idiopathic (?) and tumor-induced transverse pleating of the central fundus oculi] Greite JH, et al. **Ber Dtsch Ophthalmol Ges** (73):153–8, 1975 **(Ger)**

[Partial closure of the central artery and vein of the retina in retrobulbar optic neuritis (author's transl)] Egerer I. **Klin Monatsbl Augenheilkd** 167(5):728–32, Nov 75 (Eng. Abstr.) **(Ger)**

[Colloid bodies. A cause of vascular complications (author's transl)] Henkind P, et al. **Klin Monatsbl Augenheilkd** 168(02):164–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Recurring retinal haemorrhages with tortuosity of the retinal arteriols (author's transl)] Stefani FH, et al. **Klin Monatsbl Augenheilkd** 167(4):608–12, Oct 75 (Eng. Abstr.) **(Ger)**

[Are the symptoms 'white with pressure' and 'white without pressure' related to peripheral retinal sclerosis?] Daicker B. **Mod Probl Ophthalmol** 15:82–90, 1975 (Eng. Abstr.) **(Ger)**

[Role of lipid peroxide in the induction of the retinal siderosis (author's transl)] Hiramitsu T, et al. **Acta Soc Ophthalmol Jpn** 79(10):1468–73, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Statistical analyses of aggravating factors in retinopathy of prematurity (II) (author's transl)] Kamao N, et al. **Acta Soc Ophthalmol Jpn** 79(8):825–31, Aug 75 (Eng. Abstr.) **(Jpn)**

[Ophthalmological studies on perinephritis hypertension in monkeys: pathogenesis of retinal changes (author's transl)] Oka Y, et al. **Acta Soc Ophthalmol Jpn** 79(8):904–14, Aug 75 (Eng. Abstr.) **(Jpn)**

[Etiology of diffuse retinal vasculitis] Filipowicz M, et al. **Klin Oczna** 45(12):1255–60, Dec 75 (Eng. Abstr.) **(Pol)**

[Effect of mechanical vibrations on human retina] Huszcza A. **Klin Oczna** 45(12):1315–8, Dec 75 (Eng. Abstr.) **(Pol)**

[Retinal changes in Waldenstrom's macroglobulinemia] Janotka H, et al. **Klin Oczna** 45(12):1293–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Decompression retinopathy] Ostachowicz M. **Klin Oczna** 45(12):1289–91, Dec 75 (Eng. Abstr.) **(Pol)**

[Tay-Sachs disease] Vints LA. **Oftalmol Zh** 30(3):231–2, 1975 **(Rus)**

[Ophthalmological symptoms in hemorrhagic fever with nephrotic syndrome] Cherkunov BF, et al. **Vestn Oftalmol** (1):59–61, 1976 **(Rus)**

FAMILIAL & GENETIC

Fluorescein angiographic findings in familial exudative vitreoretinopathy. Canny CL, et al. **Arch Ophthalmol** 94(7):1114–20, Jul 76

Hereditary retinoschisis linkage studies in a family and considerations in genetic counselling. Boman H, et al. **Can J Ophthalmol** 11(1):11–6, Jan 76

Maculopathy of sex-linked juvenile retinoschisis. Harris GS, et al. **Can J Ophthalmol** 11(1):1–10, Jan 76

Heterogeneity of congenital retinal non-attachment, falciform folds and retinal dysplasia. A guide to genetic counselling. Warburg M. **Hum Hered** 26(2):137–48, 1976

The Craig Lecture, 1974. Genetically determined retinal and choroidal disease. Deutman AF. **Trans Ophthalmol Soc UK** 94(4):1014–32, 1974

[Sex-linked juvenile retinoschisis] François P, et al. **Arch Ophtalmol (Paris)** 36(2):113–26, Feb 76 (93 ref.) (Eng. Abstr.) **(Fre)**

[Hereditary vitreo-retinal dystrophy (Wagner)] Dralands L, et al. **Bull Soc Belge Ophtalmol** (172):716–26, 1975 **(Fre)**

[Degeneratio hyaloretinalis hereditaria] Presperínová K. **Cesk Oftalmol** 31(6):398–402, Nov 75 (Eng. Abstr.) **(Slo)**

METABOLISM

Components of vitreous-soluble proteins: effect of hyperoxia and age. Chen CH, et al. **Invest Ophthalmol** 15(3):228–32, Mar 76

[Lesion of the retinal fatty acids following intravitreal injection of iron. An experimental study on the retinal lesions in cases of siderosis bulbi (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):293–8, 4 Dec 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Use of eyeground examination in populations. pp. 184–99. Arai H.
In: Hatano S, et al., ed. Hypertension and stroke control in the community. Geneva, World Health Organization, 1976. WG 340 W1104h 1974.

[Epidemiological study of eye diseases among small children. 2nd report. Retinopathy of prematurity (author's transl)] Mamada N, et al. **Acta Soc Ophthalmol Jpn** 79(8):832–42, Aug 75 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Activated human retinal microglia under pathological conditions. Vrabec F. **Albrecht von Graefes Arch Klin Ophthalmol** 196(1):49–60, 4 Aug 75

Sarcoidosis with optic nerve and retinal involvement. Gass JD, et al. **Arch Ophthalmol** 94(6):945–50, Jun 76

Letter: 'Atypical angiomatosis retinae'. Liss RA. **Arch Ophthalmol** 94(9):1629–30, Sep 76

Retina and optic nerve. Tasman W. **Arch Ophthalmol** 94(7):1201–24, Jul 76

Necrotizing retinopathy with herpes zoster ophthalmicus: a light and electron microscopical study. Schwartz JN, et al. **Arch Pathol Lab Med** 100(7):386–91, Jul 76

Dark-without-pressure fundus lesions. Nagpal KC, et al. **Br J Ophthalmol** 59(9):476–9, Sep 75

Canine herpes-induced retinal dysplasia and associated ocular anomalies. Albert DM, et al. **Invest Ophthalmol** 15(4):267–78, Apr 76

Tears of the peripheral retina; pathogenesis, incidence and classification in autopsy eyes. Foos RY. **Mod Probl Ophthalmol** 15:68–81, 1975

Cone dysfunctions in man. Carr RE, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP653–8, Jul–Aug 76

[Ophthalmoscopic aspects of candidal chorioretinal lesions of hematogenous origin (apropos of 5 cases)] Cordier J, et al. **Bull Soc Ophtalmol Fr** 74(11):1073–80, Nov 74 **(Fre)**

[Macular changes in the course of retinal angiomatosis in the Hippel-Lindau disease] Chrzanowska-Srzednicka K. **Klin Oczna** 45(10–11):1223–8, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Premacular fibrosis syndrome] Pecoldowa K, et al. **Klin Oczna** 45(10–11):1097–101, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Fluorescein leakage studies following retinal microembolization. Tsacopoulos M, et al. **Bibl Anat** 13:200–2, 1975

Averaging in E.R.G. and V.E.R. first clinical results. Neetens A, et al. **Bull Soc Belge Ophtalmol** 170:659–73, 1975

Progressive human cone-rod dysfunction (dystrophy). Fishman GA. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP716–24, Jul–Aug 76

[Experimental study of the problem of retinal ischemia (author's transl)] Wündsch L. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):241–53, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[Reversible discontinuing arteriopathy (Kyrieleis) with multiple pigment detachments of the posterior fundus pole] Ritzinger I, et al. **Ber Dtsch Ophthalmol Ges** (73):516–8, 1975 **(Ger)**

[Retinal venous occlusions (author's transl)] Mehlan J, et al. **Klin Monatsbl Augenheilkd** 165(5):785–96, Nov 74 (Eng. Abstr.) **(Ger)**

[The ERG in chloroquine retinopathy (author's transl)] Kubota Y. **Acta Soc Ophthalmol Jpn** 80(4):196–200, 1976 (Eng. Abstr.) **(Jpn)**

[Electrophysiological studies on a case of chloroquine retinopathy (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 80(4):187–90, 1976 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Severe proliferative retinopathy as the only sign of sickle cell hemoglobin C disease. Moake JL, et al. **Am J Ophthalmol** 81(5):603–5, May 76

Rapid resolution of venous stasis retinopathy after carotid endarterectomy. Neupert JR, et al. **Am J Ophthalmol** 81(5):600–2, May 76

Cystoid maculopathy. Irvine AR. **Surv Ophthalmol** 21(1):1–17, Jul–Aug 76 (63 ref.)

[Fluorographic aspects of the dysoric nodule] Robin A, et al. **Bull Soc Ophtalmol Fr** 75(1):123–30, Jan 75 **(Fre)**

SURGERY

Cryotherapy of proliferative sickle retinopathy. Part I. Single freeze-thaw cycle. Lee CB, et al. **Ann Ophthalmol** 7(10):1299–308, Oct 75

The treatment of acute horseshoe retinal tears by transconjunctival cryopexy. Nadel AJ, et al. **Ann Ophthalmol** 7(12):1568–74, Dec 75

Surgery of senile peripheral cystic retinoschisis with encircling silastic 3 mm band without evacuation of the cyst fluid. Mortada A. **Bull Ophthalmol Soc Egypt** 67:145–50, 1974

Endodiathermy revisited. pp. 413–8. Dellaporta A.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Experiences with endodiathermy. pp. 425–35. Irvine AR, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Argon laser photocoagulation in peripheral retinal diseases. Zweng HC. **Int Ophthalmol Clin** 16(1):83–96, Spring 76

Photocoagulation in retinal vein thrombosis. Oosterhuis JA, et al. **Ophthalmologica** 171(4–5):365–79, 1975

Current progress in vitreous and retinal surgery. L'Esperance FA Jr. **Sight Sav Rev** 45(4):149–55, Winter 75–76

Pars plana vitrectomy. Removal of preretinal membranes. Machemer R. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):420–5, May–Jun 76

Ocular endodiathermy and endocryothermy. Experimental and clinical observations. Irvine AR, et al. **Trans Pac Coast Otoophthalmol Soc** 55:303–22, 1974

[Evaluation of photocoagulation in the treatment of diseases of the macula] Bonnet M. **Bull Soc Ophtalmol Fr** 75(4):399–418, Apr 75 **(Fre)**

[Indications, technics and results of the treatment of central serous chorioretinopathy by argon laser photocoagulation] Flament J, et al. **Bull Soc Ophtalmol Fr** 74(11):1091–101, Nov 74 **(Fre)**

[Light coagulation in retinal vein thrombosis (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 165(5):750–5, Nov 74 (Eng. Abstr.) **(Ger)**

[Senile retinoschisis and cryocoagulation (author's transl)] Tillmann W. **Klin Monatsbl Augenheilkd** 168(02):224–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Peripheral retinal cysts. Clinico-functional changes and late postoperative results] David M, et al. **Rev Chir [Oftalmol]** 19(4):255–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Effectiveness of surgical treatment of retinoschisis] Filatov SV, et al. **Oftalmol Zh** 30(3):169–73, 1975 (Eng. Abstr.) **(Rus)**

[Photocoagulation as a method of treatment of retinoschisis] Linnik LA, et al. **Oftalmol Zh** 30(3):166–9, 1975 (Eng. Abstr.) **(Rus)**

[Experiences with argon laser rays] Ramos-Umpierre A, et al. **Bol Asoc Med PR** 67(11):331–2, Nov 75 **(Spa)**

THERAPY

Letter: Controlled clinical trials in the treatment of macular disease. Ferris FL. **Am J Ophthalmol** 80(6):1100–1, Dec 75

Current management of diseases of the macula. Bowbyes JA. **Trans Ophthalmol Soc NZ** 27:57–9, 1975

The treatment of branch retinal vein occlusion. Herbstein AU. **Trans Ophthalmol Soc NZ** 28:111–3, 1976

[Intermittent oxygen for the treatment of the retinopathy of prematurity (II) (author's transl)] Tanabe Y. **Acta Soc Ophthalmol Jpn** 80(3):151–4, Mar 76 (Eng. Abstr.) **(Jpn)**

[Retinoschisis and retinal cysts] Saksonova EO, et al. **Oftalmol Zh** 30(3):173–6, 1975 (Eng. Abstr.) **(Rus)**

VETERINARY

Congenic strains of RCS rats with inherited retinal

dystrophy. LaVail MM, et al. **J Hered** 66(4):242–4, Jul–Aug 75

Cone–rod dystrophy in the Guinea baboon. Vainisi SJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP725–30, Jul–Aug 76

Progressive retinal atrophy in two atypical breeds of dogs. Peiffer RL Jr, et al. **Vet Med Small Anim Clin** 70(12):1476–8, Dec 75

RETINAL HEMORRHAGE

30–year observation of patients with Eale's disease. Elliot AJ. **Am J Ophthalmol** 80(3 Pt 1):404–8, Sep 75

Acute vitreous haemorrhage: a clinical report. Lincoff H, et al. **Br J Ophthalmol** 60(6):454–8, Jun 76

[Spontaneous macular hemorrhages of small dimension in young patients] Raspiller MA, et al. **Bull Soc Ophtalmol Fr** 75(4):463–6, Apr 75 **(Fre)**

[Hemorrhagic macular choroidopathy in young subjects] François J, et al. **Ophthalmologica** 170(6):477–93, 1975 **(Fre)**

[Macular hemorrhage] Przybyl–Ereńska K, et al. **Klin Oczna** 45(10–11):1139–43, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Visual functions after perinatal macular haemorrhage. Lowes M, et al. **Acta Ophthalmol (Kbh)** 54(2 p):227–32, Apr 76

Hemorrhagic detachment of the peripheral retinal pigment epithelium. Silva VB, et al. **Arch Ophthalmol** 94(8):1295–1300, Aug 76

Eales' disease with neurological involvement. Part 2. Pathology and pathogenesis. Dastur DK, et al. **J Neurol Sci** 27(3):323–45, Mar 76

Eales' disease with neurological involvement Part 1. Clinical features in 9 patients. Singhal BS, et al. **J Neurol Sci** 27(3):313–21, Mar 76

[Sequelae of unilateral exudative hemorrhagic maculopathy] Hübner H, et al. **Ber Dtsch Ophthalmol Ges** (73):434–8, 1975 **(Ger)**

[Sequelae of central retinal hemorrhage in the newborn infant with respect to visual acuity and muscle equilibrium] Schenk H, et al. **Klin Monatsbl Augenheilkd** 165(6):867–70, Dec 74 (Eng. Abstr.) **(Ger)**

[Recurring retinal haemorrhages with tortuosity of the retinal arteriols (author's transl)] Stefani FH, et al. **Klin Monatsbl Augenheilkd** 167(4):608–12, Oct 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ultrasonic evaluation of vitreous hemorrhage following ocular trauma. pp. 474–9. Coleman DJ. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

[Focal hemorrhagic chorioiditis (author's transl)] Schildberg P, et al. **Klin Monatsbl Augenheilkd** 166(5):651–9, May 75 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Purtscher retinopathy in the battered child syndrome. Tomasi LG, et al. **Am J Dis Child** 129(11):1335–7, Nov 75

Retinal hemorrhages in posterior vitreous detachment. Cibis GW, et al. **Am J Ophthalmol** 80(6):1043–6, Dec 75

Ophthalmologic findings in malaria. Bell RW. **Ann Ophthalmol** 7(11):1439–42, Nov 75

Retinal hemorrhages in the newborn. Bergen R, et al. **Ann Ophthalmol** 8(1):53–6, Jan 76

Evolution of the retinal black sunburst in sickling haemoglobinopathies. Asdourian G, et al. **Br J Ophthalmol** 59(12):710–6, Dec 75

Editorial: High altitude retinal haemorrhage. **Br Med J** 3(5985):663–4, 20 Sep 75

Mountain sickness, retinal haemorrhages, and acclimatisation on Mount Everest in 1975. Clarke C, et al. **Br Med J** 2(6034):495–7, 28 Aug 76

Acute kala–azar with haemorrhagic retinopathy. Mookerjee GC, et al. **J Indian Med Assoc** 65(3):86–8, 1 Aug 75

Intraocular haemorrhage as a complication of pneumoencephalography. Moseley IF, et al. **J Neurol Neurosurg Psychiatry** 39(4):375–80, Apr 76

[Macular involvement in myopia] D'hoine G, et al. **Bull Soc Ophtalmol Fr** 74(7–8):821–6, Jul–Aug 74 **(Fre)**

[Ocular lesions of cardiac surgery. Apropos of a case] Haye C, et al. **Bull Soc Ophtalmol Fr** 74(3):295–7, Mar 74 **(Fre)**

[Connection between severe perivenous retinitis with retinovitreal hemorrhage and disseminated sclerosis] Cendrowski W, et al. **Neurol Neurochir Pol** 9(4):553–5, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[So–called preretinal hemorrhage of the posterior pole] Birnbaum F. **Ber Dtsch Ophthalmol Ges** (73):528–33, 1975 **(Ger)**

RADIOGRAPHY

Idiopathic focal subretinal neovascularization. Cleasby GW. **Am J Ophthalmol** 81(5):590–9, May 76

SURGERY

Photocoagulation of exudative senile maculopathy. A followup report. Cleasby GW, et al. **Trans Pac Coast Otoophthalmol Soc** 55:159–66, 1974

THERAPY

[Cryotherapy and Eale's disease] Haut J, et al. **Bull Mem Soc Fr Ophtalmol** (87):90–1, 1976 **(Fre)**

RETINAL PIGMENT EPITHELIUM see **PIGMENT EPITHELIUM OF EYE**

RETINAL PIGMENTS

Influence of retinal shielding pigments on light sensitivity in the crayfish. Aréchiga H, et al. **Acta Physiol Lat Am** 24(6):601–11, 1974

Precision of sodium dodecyl sulfate–polyacrylamide–gel electrophoresis for the molecular weight estimation of a membrane glycoprotein: studies on bovine rhodopsin. Frank RN, et al. **Arch Biochem Biophys** 171(1):1–13, Nov 75

Molecular flow resonance Raman effect from retinal and rhodopsin. Callender RH, et al. **Biochemistry** 15(8):1621–9, 20 Apr 76

Accessibility of the iodopsin chromophore. Matsumoto H, et al. **Biochim Biophys Acta** 404(2):300–8, 9 Oct 75

Alkyl glucosides as effective solubilizing agents for bovine rhodopsin. A comparison with several commonly used detergents. Stubbs GW, et al. **Biochim Biophys Acta** 426(1):46–56, 19 Feb 76

Studies on cephalopod rhodopsin: photoisomerization of the chromophore. Suzuki T, et al. **Biochim Biophys Acta** 428(2):321–38, 23 Apr 76

A study of rhodopsin–detergent micelles by transient electric birefringence. Wright AK. **Biophys Chem** 4(2):199–202, Mar 76

The electric dipole moment of rhodopsin solubilized in Triton X–100. Petersen DC, et al. **Biophys J** 15(12):1181–200, Dec 75

Hydrogen–tritium exchange of rhodopsin: effect of solvent on the incorporation of slowly exchanging tritium atoms. Osborne HB. **FEBS Lett** 67(1):23–7, 1 Aug 76

The purification and molecular weight estimation of teleost visual pigments. Regan CM, et al. **FEBS Lett** 62(3):263–5, 1 Mar 76

Characterization of rhodopsin in synthetic systems. pp. 411–25. Hubbell WL. **In: Burton RM, Packer L, ed. Biomembranes: lipids, proteins and receptors. Webster Groves, Mo., BI–Science Publications, 1975. QH 601 N12b 1974.** (55 ref.)

The role of protons in the metarhodopsin I–II transition. pp. 23–7. Emrich HM, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

Cephalopod retinochrome. pp. 41–54. Hubbard R, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

On the significance of two–dimensional super–structures in biomembranes for energy–transfer and signal conversion. pp. 311–28. Kreutz W, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

Rhodopsin in experimental membranes: an approach to elucidate its role in the process of phototransduction. pp. 316–38. Montal M. **In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974.** (120 ref.)

Origin of ghost cell in Coats' disease. Takei Y. **Invest Ophthalmol** 15(8):677–81, Aug 76

Letter: Allenic retinals and visual pigment analogues. Nakanishi K, et al. **J Am Chem Soc** 98(1):236–8, 7 Jan 76

The structure of visual pigments. I. Carbon–13 nuclear magnetic resonance spectroscopy of N–all–trans–retinylidenepropylimine and its protonated species. Shriver J, et al. **J Am Chem Soc** 98(9):2407–9, 28 Apr 76

Letter: Micellar effects on the photochemistry of rhodopsin. Waddell WH, et al. **J Am Chem Soc** 98(1):238–9, 7 Jan 76

Carbohydrate composition of bovine rhodopsin. Plantner JJ, et al. **J Biol Chem** 251(6):1548–52, 25 Mar 76

Microspectrophotometry of rhodopsin and metarhodopsin in the moth Galleria. Goldman LJ, et al. **J Gen Physiol** 66(3):383–404, Sep 75

Letter: A single anomalous photopigment? Hayhoe MM, et al. **J Opt Soc Am** 66(3):276–7, Mar 76

Nanosecond flash photolysis of rhodopsin. Bensasson R, et al. **Nature** 258(5537):768–70, 25 Dec 75

Rhodopsin analogues from highly hindered 7–cis isomers of retinal. DeGrip WJ, et al. **Nature** 262(5567):416–8, 29 Jul 76

Structure of the chromophoric group in bathorhodopsin. Fransen MR, et al. **Nature** 260(5553):726–7, 22 Apr 76

Structure of the chromophoric group in bathorhodopsin. Fransen MR, et al. **Nature** (5553):726–7, 22 Apr 76

Existence of a beta–ionone ring–binding site in the rhodopsin molecule. Matsumoto H, et al. **Nature** 258(5535):523–6, 11 Dec 75

Neutron diffraction studies of retinal rod outer segment membranes. Saibil H, et al. **Nature** 262(5566):266–70, 22 Jul 76

Conversion of a photon to an electrical signal by sudden polarisation in the N–retinylidene visual chromophore. Salem L, et al. **Nature** 258(5535):526–8, 11 Dec 75

Kinetic evidence for a conformational transition in rhodopsin. Stewart JG, et al. **Nature** 258(5530):89–90, 6 Nov 75

Bicycle–pedal model for the first step in the vision process. Warshel A. **Nature** 260(5553):679–83, 22 Apr 76

Rapid–flow resonance Raman spectroscopy of photolabile molecules: rhodopsin and isorhodopsin. Mathies R, et al. **Proc Natl Acad Sci USA** 73(1):1–5, Jan 76

Opsin structure probed by raman spectroscopy of photoreceptor membranes. Rothschild KJ, et al. **Science** 191(4232):1176–8, 19 Mar 76

Theory of photochemical reactions. Salem L. **Science** 191(4229):822–30, 27 Feb 76

The action of hydroxylamine on visual pigments in the intact retina of the frog (Rana temporaria). Bowmaker JK, et al. **Vision Res** 16(8):811–8, 1976

Oxidation states of four sulfurs of rhodopsin before and after bleaching. McDowell JH, et al. **Vision Res** 16(6):643–6, 1976

Part III: The evolution of photopic visual pigments in fishes. McFarland WN, et al. **Vision Res** 15:1071–80, Oct 75

A thermosensitive property of bullfrog rhodopsin. Sillman AJ. **Vision Res** 16(4):419–20, 1976

Analysis by spectral difference of the orientational change of the rhodopsin chromophore during bleaching. Tokunaga F, et al. **Vision Res** 16(6):633–41, 1976

[Changes in the magnetic anisotropism of the external segments of rods during photolysis of rhodopsin] Chagneux R, et al. **C R Acad Sci [D] (Paris)** 282(10):1049–52, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Effect of sodium aspartic acid on migration of retinal pigment] Kawamoto N, et al. **J Physiol Soc Jpn** 36(8–9):297, 1 Sep 74 **(Jpn)**

[Electrophoresis and electrofocusing of rhodopsin solubilized by triton X–100] Shukoliukov SA, et al. **Biokhimiia** 41(1):75–80, Jan 76 (Eng. Abstr.) **(Rus)**

[Lateral diffusion of rhodopsin in photoreceptor membranes of Rana ridibunda rods] Agroskin AS, et al. **Dokl Akad Nauk SSSR** 224(4):956–9, 1 Oct 75 **(Rus)**

[Spectral changes in the ultraviolet region during irradiation of rhodopsin in the temperature range 1––25 degrees] Orlov NIa, et al. **Dokl Akad Nauk SSSR** 225(2):436–8, 11 Nov 75 **(Rus)**

ANALOGS & DERIVATIVES

The formation of metarhodospin380 in the retinal rods of the frog. Baumann C. **J Physiol (Lond)** 259(2):357–66, Jul 76

ANALYSIS

Reactivity of tryptophans in rhodopsin. Cooper A, et al. **Biochem Biophys Res Commun** 68(1):178–82, 12 Jan 76

Circular dichroism of rhodopsins and porphyropsins. Parkes JH, et al. **Biochim Biophys Acta** 428(1):1–12, 25 Mar 76

Clinical assessment of rhodopsin in the eye. Using a standard fundus camera and a photographic technique. Sheorey UB. **Br J Ophthalmol** 60(2):135–41, Feb 76

Observations on the distribution of visual pigments in Amphibia. Crim JW. **Comp Biochem Physiol [A]** 52(4):719–20, 1 Dec 75

Pinniped visual pigments. Lavigne DM, et al. **Comp Biochem Physiol [B]** 52(2):325–9, 15 Oct 75

Rhodopsin in the rod outer segment plasma membrane. Basinger S, et al. **J Cell Biol** 69(1):29–42, Apr 76

Microspectrophotometry of rhodopsin and metarhodopsin in the moth Galleria. Goldman LJ, et al. **J Gen Physiol** 66(3):383–404, Sep 75

Distribution of rhodopsin and retinochrome in the squid retina. Hara T, et al. **J Gen Physiol** 67(6):791–805, Jun 76

Absorption spectra and linear dichroism of some amphibian photoreceptors. Hárosi F. **J Gen Physiol** 66(3):357–82, Sep 75

Proceedings: The visual pigments of the grey squirrel, Sciurus carolinensis leucotis. Loew ER. **J Physiol (Lond)** 251(1):47P–49P, Sep 75

Melanoid tapeta lucida in teleost fishes. Ito S, et al. **Proc R Soc Lond [Biol]** 191(1104):369–85, 2 Dec 75

Variation in the lambdamax of rhodopsin from individual frogs. Bowmaker JK, et al. **Vision Res** 15:997–1003, Aug–Sep 75

Vitamin A1/A2–based visual pigment mixtures in cones of the rudd. Loew ER, et al. **Vision Res** 16(9):891–6, 1976

Visual pigments of cichlid fishes from Malawi. Muntz WR. **Vision Res** 16(9):897–903, 1976

Part I: Presumptive cone pigments extracted from tropical marine fishes. Munz FW, et al. **Vision Res** 15:1045–62, Oct 75

The green rod pigment of the bullfrog. Sillman AJ. **Vision Res** 16(4):421–4, 1976

Cone structure and visual pigment content in the retina of the goldfish. Stell WK, et al. **Vision Res** 16(6):647–57, 1976

The density of human rhodopsin in the rods. Zwas F, et al. **Vision Res** 16(2):121–7, 1976

[Data on the structure of the outer rod segments obtained by x–ray diffraction] Chirieri E. **Rev Chir [Oftalmol]** 19(4):249–54, Oct–Dec 75 **(Rum)**

[Mechanism of color vision in birds: visual pigments in pigeons and chickens] Govardovskiĭ VI. **Dokl Akad Nauk SSSR** 228(5):1244–7, 1976 **(Rus)**

[Some quantitative characteristics of the frog retinal rod outer segments] Govardovskii VI, et al. **Tsitologiia**

27(5):524–9, May 75 **(Rus)**

[Method of determining visual pigments in situ and their study in some vertebrates] Govardovskiĭ VI. **Zh Evol Biokhim Fiziol** 11(4):346–52, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Retinal pigments and carotenoids of the light-shading 'spectacles' of the greenling Hexagrammus octogrammus] Shukolyukov SA, et al. **Zh Evol Biokhim Fiziol** 11(2):140–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

11-Cis vitamin A in dark-adapted rod outer segments is a probable source of prosthetic groups for rhodopsin biosynthesis. Bridges CD. **Nature** 259(5540):247–8, 22 Jan 76

Effect of the physical state of phospholipid on rhodopsin regeneration from retinylidene phospholipid. Shichi H, et al. **Photochem Photobiol** 22(5):187–91, Nov 75

Visual adaptation: effects of externally applied retinal on the light-adapted, isolated skate retina. Pepperberg DR, et al. **Science** 191(4225):394–6, 30 Jan 76

IMMUNOLOGY

Rhodopsin and autoimmune blindness in primates. Wong VG, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 28(2):135–7, Fall 75

ISOLATION & PURIFICATION

The large scale preparation of rhodopsin. Hargrave PA. **Vision Res** 16(9):1013–4, 1976

Isolation by polyacrylamide gel electrophoresis of a light-sensitive vitamin A–protein complex from the retina of the honeybee drone. Pepe IM, et al. **Vision Res** 16(9):905–8, 1976

METABOLISM

Effect of phospholipid removal on the kinetics of the metarhodopsin I to metarhodopsin II reaction. Stewart JG, et al. **Arch Biochem Biophys** 172(1):246–51, Jan 76

Mechanism and specificity of rhodopsin phosphorylation. Frank RN, et al. **Biochemistry** 14(23):5110–7, 18 Nov 75

The rate of rhodopsin phosphorylation in isolated rentinas of frog and cattle. Kühn H, et al. **Biochim Biophys Acta** 428(1):13–8, 25 Mar 76

Color changes induced by certain indole alkaloids in the fiddler crab, Uca. Rao KR, et al. **Comp Biochem Physiol [C]** 51(1):59–62, 1 Jun 75

Hereditary retinal dystrophy in the rat: rhodopsin, retinol, vitamin A deficiency. Delmelle M, et al. **Exp Eye Res** 21(4):369–380, Oct 75

Reduction of the retinal–opsin linkage in isolated frog retinas. Hall MO, et al. **Exp Eye Res** 22(6):595–609, Jun 76 (35 ref.)

A role for calcium in the migration of retinal screening pigment in the frog. Synder WZ, et al. **Exp Eye Res** 22(4):377–88, Apr 76

Biochemical aspects of the visual process. XXIX. Effect of pronase on rod outer segment membranes and rhodopsin. Van Breugel PJ, et al. **Exp Eye Res** 22(4):315–324, 21

Letter: A hypothetical model for the possible involvement of rhodopsin phosphorylation in light and dark adaptation in the retina. Weller M, et al. **Exp Eye Res** 21(4):405–408, Oct 75

Further studies on the effect of 6-hydroxydopamine in retinal development. Yew DT. **Experientia** 32(4):504–5, 15 Apr 76

Tunable laser resonance Raman spectroscopic investigations of the transduction process in vertebrate rod cells. Lewis A. **Fed Proc** 35(1):51–3, Jan 76

Light increases the ion permeability of rhodopsin-phospholipid bilayer vesicles. pp. 389–401. Darszon A, et al. **In: Packer L, Gómez-Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.**

Autonomous pigment movement in the radial pupil of locust ocelli. Wilson M. **Nature** 258(5536):603–4, 18 Dec 75

The effect of Ca2+ on the metarhodopsin I–II transition. I. Experiments. Emrich HM, et al. **Pfluegers Arch** 364(1):17–21, 29 Jun 76

The effect of Ca2+ on the metarhodopsin I–II transition. II. Model calculations and hypothesis on a molecular mechanism of visual excitation. Reich R, et al. **Pfluegers Arch** 364(1):23–8, 29 Jun 76

Photoregeneration of rhodopsin and isorhodopsin from metarhodopsin III in the frog retina. Reuter T. **Vision Res** 16(9):909–17, 1976

[Biophysics of vision] Stieve H. **Naturwissenschaften** 62(9):425–33, Sep 75 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Central nervous system: afferent mechanisms. Rodieck RW. **Annu Rev Physiol** 33:203–40, 1971 (207 ref.)

Some effects of light on the viability of rhodopsin-containing halobacteria. Brock TD, et al. **Arch Microbiol** 109(1–2):199–200, Aug 76

Bleaching of visual pigment in steady illumination. A model and a derivation of empirical parameters. Leibovic KN. **Biol Cybern** 19(3):127–30, 1 Sep 75

Vitamin A and the role of the pigment epithelium during bleaching and regeneration of rhodopsin in the frog eye. Bridges CD. **Exp Eye Res** 22(5):435–55, May 76

Light-activated rhodopsin phosphorylation may control light sensitivity in isolated rod outer segments. Miller JA, et al. **FEBS Lett** 59(1):20–3, 1 Nov 75

Biochemistry of visual pigments in relation to visual excitation. pp. 1–22. Bonting SL, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.** (54 ref.)

Thermal and photic regeneration of rhodopsin in perfused frog retina. pp. 33–5. Sickel W. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

Nonlocal interactions in the photoreceptor transduction process. Hillman P, et al. **J Gen Physiol** 68(2):227–45, Aug 76

Anomalous disperison of rhodopsin in rod outer segments of the frog. Jagger WS, et al. **J Opt Soc Am** 66(1):56–9, Jan 76

Retinal pigmentation and space perception: a failure to replicate. Jahoda G. **J Soc Psychol** 97(First Half):133–4, Oct 75

Scotopic and photopic dark adaptation of the b wave isolated rat retina. Ernst W, et al. **Nature** 258(5531):170–1, 13 Nov 75

Kinetics of long-lived rhodopsin photoproducts in the frog retina as a function of the amount bleached. Donner KO, et al. **Vision Res** 15:985–95, Aug–Sep 75

Effects of rhodopsin and its photoproducts on the late receptor potential of the isolated frog retina. Hanawa I, et al. **Vision Res** 15(12):1303–10, Dec 75

The decay of long-lived photoproducts in the isolated bullfrog rod outer segment: relationship to other dark reactions. Paulsen R, et al. **Vision Res** 15(12):1325–32, Dec 75

[Role of the epiphysis in the migration of the retinal epithelial pigment in some teleosts] Chèze G, et al. **Can J Zool** 54(4):475–81, Apr 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Potentials and metarhodopsin of visual cells of the isolated retina of frogs] Hanawa I, et al. **J Physiol Soc Jpn** 36(8–9):297, 1 Sep 74 **(Jpn)**

RADIATION EFFECTS

Energetics of primary processes in visula escitation: photocalorimetry of rhodopsin in rod outer segment membranes. Cooper A, et al. **Biochemistry** 15(14):2970–8, 13 Jul 76

Quantitative aspects of the photochemistry of isomeric retinals and visual pigments. Waddell WH, et al. **J Am Chem Soc** 98(14):4189–92, 7 Jul 76

[Effect of gamma irradiation on a solution of the visual pigment rhodopsin] Pushkareva TV, et al. **Radiobiologiia** 15(4):596–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

RETINAL VEIN

A stereological analysis of venous nicking observed at retinal arteriovenous crossings. Wirtschafter JD, et al. **Ann Ophthalmol** 8(5):619–29, May 76

Visual field changes in branch retinal 'vein' occlusion. Birchall CH, et al. **Arch Ophthalmol** 94(5):747–54, May 76

Editorial: Retinal venous obstruction. **Br J Ophthalmol** 60(6):395–6, Jun 76

Fluorescein angiography and its prognostic significance in central retinal vein occlusion. Laatikainen L, et al. **Br J Ophthalmol** 60(6):411–8, Jun 76

Cilio–retinal arterial circulation in central retinal vein occlusion. McLeod D. **Br J Ophthalmol** 59(9):486–92, Sep 75

Viscosity and retinal vein thrombosis. Ring CP, et al. **Br J Ophthalmol** 60(6):397–410, Jun 76

Retinal vein occlusion: long-term prospects: 10 years' follow-up of 143 patients. Rubinstein K, et al. **Br J Ophthalmol** 60(2):148–50, Feb 76

Streptokinase in central retinal vein occlusion: a controlled clinical trial Kohner EM, et al. **Br Med J** 1(6009):550–3, 6 Mar 76

Fluorescein angiography and retinal venous sheathing in multiple sclerosis. Younge BR. **Can J Ophthalmol** 11(1):31–6, Jan 76

Tributary vein obstruction: pathogenesis and treatment of sequelae. Archer DB. **Doc Ophthalmol** 40(2):339–60, 31 Mar 76

Comments on uncommon changes in retinal veins observed in cases of diabetic retinopathy. Doden W, et al. **Doc Ophthalmol** 40(2):319–24, 31 Mar 76

Photocoagulation in retinal vein occlusion. Sedney SC. **Doc Ophthalmol** 40(1):1–241, 28 Jan 76 (321 ref.)

Retinal neovascularization: the sleeping dog of the eye. Wilson RS, et al. **J Arkansas Med Soc** 72(7):269–72, Dec 75

So-called 'central retinal vein occlusion'. II. Venous stasis retinopathy. Hayreh SS. **Ophthalmologica** 172(1):14–37, 1976

So-called 'central retinal vein occlusion'. I. Pathogenesis, terminology, clinical features. Hayreh SS. **Ophthalmologica** 172(1):1–13, 1976

Photocoagulation in retinal vein thrombosis. Oosterhuis JA, et al. **Ophthalmologica** 171(4–5):365–79, 1975

Proceedings: Fibrinolytic therapy in central retinal vein occlusion. Pettit JE, et al. **Thromb Diath Haemorrh** 34(2):569, 15 Nov 75

Retinal detachment secondary to retinal branch vein occlusions. Gutman FA, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):491–6, May–Jun 76

Optic cup vein occlusion; description of a new entity. Beaumont P, et al. **Trans Ophthalmol Soc NZ** 28:115–7, 1976

Retinal branch vein occlusion. Clemett RS. **Trans Ophthalmol Soc NZ** 27:53–6, 1975

The treatment of branch retinal vein occlusion. Herbstein AU. **Trans Ophthalmol Soc NZ** 28:111–3, 1976

Glaucoma and central vein occlusion. Holmes WR. **Trans Ophthalmol Soc NZ** 27:38, 1975

Natural course of branch retinal vein obstruction. Archer DB. **Trans Ophthalmol Soc UK** 94(2):623–35, Jul 74

Streptokinase in the treatment of central retinal vein occlusion. A controlled trial. Kohner EM, et al. **Trans Ophthalmol Soc UK** 94(2):599–603, Jul 74

[Unusual form of glaucoma in occlusion of the central vein of the retina] Psilas K, et al. **Bull Mem Soc Fr Ophtalmol** (87):111–6, 1976 **(Fre)**

[Leber's pseudo-angiopathy caused by venous thrombosis] Capier MJ, et al. **Bull Soc Ophtalmol Fr** 74(7–8):813–5, Jul–Aug 74 **(Fre)**

[Treatment of thrombosis of the central retinal vein with urokinase. Complete cure] Mouillon M, et al. **Bull Soc Ophtalmol Fr** 75(11):1007–12, Nov 75 **(Fre)**

[Retinal venous stasis following disorders of the lesser circulation] Carapancea M, et al. **Physiologie** 12(4):257–60, 1975 **(Fre)**

[Partial closure of the central artery and vein of the retina in retrobulbar optic neuritis (author's transl)] Egerer I. **Klin Monatsbl Augenheilkd** 167(5):728–32, Nov 75 (Eng. Abstr.) **(Ger)**

[Light coagulation in retinal vein thrombosis (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 165(5):750–5, Nov 74 (Eng. Abstr.) **(Ger)**

[Venous arching in diabetic retinopathy (author's transl)] Stieber W. **Klin Monatsbl Augenheilkd** 166(5):694, May 75 (Eng. Abstr.) **(Ger)**

[Case of central retinal vein thrombosis in a young woman treated with progesterone] Jaworek K. **Klin Oczna** 46(1):75–8, Jan 76 (Eng. Abstr.) **(Pol)**

[Connection between severe perivenous retinitis with retinovitreal hemorrhage and disseminated sclerosis] Cendrowski W, et al. **Neurol Neurochir Pol** 9(4):553–5, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of effectiveness of different methods of treatment of thrombosis of the central retinal vein with long-term follow-up] Kartasheva EA. **Oftalmol Zh** 30(8):563–5, 1975 (Eng. Abstr.) **(Rus)**

[Relationship between the magnetic field of the earth and the incidence of acute attacks of primary glaucoma and acute disorders of retinal circulation] Zhokhov VP, et al. **Vestn Oftalmol** (4):7–9, Jul–Aug 75 **(Rus)**

PHYSIOLOGY

Hemostatic balance in the walls of the retinal vessel. pp. 225–7. Pandolfi M. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

PHYSIOPATHOLOGY

[Retinal venous occlusions (author's transl)] Mehlan J, et al. **Klin Monatsbl Augenheilkd** 165(5):785–96, Nov 74 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Rapid resolution of venous stasis retinopathy after carotid endarterectomy. Neupert JR, et al. **Am J Ophthalmol** 81(5):600–2, May 76

SURGERY

[Effects of photocoagulation on the velocity of retinal circulation in obstruction of retinal vein (author's transl)] Okano T, et al. **Acta Soc Ophthalmol Jpn** 79(7):790–99, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

RETINAL VESSELS

see related

FLUORESCENCE ANGIOGRAPHY

Enzymologic and histologic investigations in normal and pressure-ischemic retina of rabbits. Kaskel D, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 200(1):71–8, 26Jul 76

Chorioretinal anastomoses after argon laser photocoagulation. Galinos SO, et al. **Am J Ophthalmol** 82(2):241–5, Aug 76

An improved apparatus for mounting retinal vasculature. Howard CF Jr. **Am J Ophthalmol** 82(1):136–8, Jul 76

Retinal fat emboli as sequela to acute pancreatitis. Inkeles DM, et al. **Am J Ophthalmol** 80(5):935–8, Nov 75

Spontaneous regression (autoinfarction) of proliferative sickle retinopathy. Nagpal KC, et al. **Am J Ophthalmol** 80(5):885–92, Nov 75

The effects of laser photocoagulation in the retinal capillaries. Okisaka S, et al. **Am J Ophthalmol** 80(4):591–601, Oct 75

Stimulation of subretinal neovascularization. Wilkinson CP. **Am J Ophthalmol** 81(1):104–6, Jan 76

Fluorescein angiography in syphilitic retinal vasculitis. Savir H, et al. **Ann Ophthalmol** 8(6):713–6, Jun 76

Is hemoglobin C relevant to the genesis of proliferans retinopathy? Condon PI, et al. **Birth Defects** 12(3):517–25,

1976 (9 ref.)
Retinal vaso-occlusion in sickling hemoglobinopathies. Goldberg MF. **Birth Defects** 12(3):475-515, 1976 (43 ref.)
Bilateral retinal shock. Neetens A, et al. **Bull Soc Belge Ophtalmol** (172):796-801, 1975
Ocular manifestations of pulseless disease. Paul AK. **Indian J Ophthalmol** 23(1):36-8, Apr 75
Amaurosis fugax: a clinical comparison. Slepyan DH, et al. **Stroke** 6(5):493-6, Sep-Oct 75
Hypertension and retinal vascular insufficiency associated with platelet microthrombi. Vyden JK. **Stroke** 6(5):509-12, Sep-Oct 75
Ocular embolism. Blake J. **Trans Ophthalmol Soc UK** 95(1):88-93, Apr 75
[Electroretinographic alterations in recent occlusions of blood vessels in the ocular fundus] Balik J. **Cesk Oftalmol** 31(6):417-22, Nov 75 (Eng. Abstr.) **(Cze)**
[Interpretation of vascular findings in the fundus oculi] Kraus H, et al. **Cesk Oftalmol** 32(1):35-8, Jan 76 (Eng. Abstr.) **(Cze)**
[Hemodynamics of papillary edema] Weigelin E, et al. **Bull Mem Soc Fr Ophtalmol** (87):219-22, 1976 **(Fre)**
[Angiographic aspects of pathological arteriovenous crossings] Coscas G, et al. **Bull Soc Ophtalmol Fr** 75(2):209-11, Feb 75 **(Fre)**
[Value of piribedil in the treatment of degenerative retinal vasculopathies] Perdriel G, et al. **Bull Soc Ophtalmol Fr** 74(4):445-8, Apr 74 **(Fre)**
[Frontal angioma and cirsoid retinal aneurysm: relationship to the Bonnet-Dechaume-Blanc syndrome] Cordier J, et al. **Rev Otoneuroophtalmol** 47(3):187-94, May-Jun 75 **(Fre)**
[Changes of visual acuity in patients with retinal-vessel sclerosis and degenerative disorders of the macula lutea during a spa visit at Bad Hall] Rieger G. **Ber Dtsch Ophthalmol Ges** (73):604-9, 1975 **(Ger)**
[Selective atrophy of the radial peripapillary capillaries of the retina and glaucomatous visual fields] Daicker B. **Ophthalmologica** 172(2-3):138, 1976 **(Ger)**
[Etiology of diffuse retinal vasculitis] Filipowicz M, et al. **Klin Oczna** 45(12):1255-60, Dec 75 (Eng. Abstr.) **(Pol)**
[Displacement of retinal vessels] Kornacki B, et al. **Klin Oczna** 45(12):1251-4, Dec 75 (Eng. Abstr.) **(Pol)**
[The arterial/venous ratio of retinal vessels in atherosclerosis and idiopathic hypertension measured by the electronic computer method] Majewska K, et al. **Klin Oczna** 46(2):177-80, Feb 76 (Eng. Abstr.) **(Pol)**
[Relationship between retinal vascular changes and results of ophthalmodynamometric examination in hypertension] Starzycka M, et al. **Klin Oczna** 45(9):969-72, Sep 75 (Eng. Abstr.) **(Pol)**
[Wyburn-Mason syndrome, a mixed phacomatosis] Mello LR. **Arq Neuropsiquiatr** 33(1):75-81, Mar 75 (Eng. Abstr.) **(Por)**
[Retinal vascular spasm. Autonomic mediation. Treatment] Cristea E. **Rev Chir [Oftalmol]** 19(4):283-5, Oct-Dec 75 (Eng. Abstr.) **(Rum)**
[Probable role of the blood vessels in ruptures of the retina in idiopathic detachment] Vasinca M, et al. **Rev Chir [Oftalmol]** 19(3):205-8, Jul-Sep 75 (Eng. Abstr.) **(Rum)**
[Use of low doses of heparin for treatment of aftereffects of thrombosis of retinal vessels and for prevention of recurrence of the disease] Nakhabina TP. **Oftalmol Zh** 30(8):566-9, 1975 (Eng. Abstr.) **(Rus)**
[Changes in the blood coagulation processes in patients with thrombosis of retinal vessels at different periods of the disease] Nakhabina TP. **Oftalmol Zh** 30(5):359-61, 1975 (Eng. Abstr.) **(Rus)**
[State of the vessels of the retina in inflammatory diseases of the uvea] Pen'kov MA, et al. **Oftalmol Zh** 30(7):528-31, 1975 (Eng. Abstr.) **(Rus)**
[The pathogenesis of the opticopyramidal syndrome in carotid artery occlusions] Lunev DK, et al. **Zh Nevropatol Psikhiatr** 76(3):373-6, 1976 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The central vascular pattern of the eyeground in children with drusen of the optic disk. Erkkilä H. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):1-10, 1 Apr 76
Retinal vascular changes of incontinentia pigmenti. Watzke RC, et al. **Arch Ophthalmol** 94(5):743-6, May 76
[Vascular abnormalities within the central fundus region] Huck D, et al. **Ber Dtsch Ophthalmol Ges** (73):287-9, 1975 **(Ger)**

ANALYSIS

Glycogen concentration changes in retina, vitreous body and other eye tissues caused by disturbances of blood circulation. Wasilewa P, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):115-20, 14 Apr 76

ANATOMY & HISTOLOGY

[Anatomy of choroidal and retinal vascularization of the posterior eye pole] Heimann K. **Ber Dtsch Ophthalmol Ges** (73):37-43, 1975 **(Ger)**
[Light-and electron microscopy studies of pecten oculi in various bird species] Dieterich HJ, et al. **Verh Anat Ges** 68:467-8, 1974 (Eng. Abstr.) **(Ger)**
[Pattern recognition of fundus photographs. (2) Automatic recognition of arterio-venous crossing phenomena ulilizing color information (2)] Yokouchi H, et al. **Jpn J Med Electron** 13(5):274-81, Oct 75 (Eng. Abstr.) **(Jpn)**
[Effect of transverse gravitational loads on the vessels of the retinal membrane of the rabbit eyeball] Savinova LI. **Arkh Anat Gistol Embriol** 69(10):79-84, Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Proceedings: Influence of various vasodilators and hypotensive drugs upon the retinal arterioles of spontaneously hypertensive rats. Irinoda K, et al. **Jpn Heart J** 16(3):311, May 75
[Drugs with unwanted side-effects on the retinal vessels (author's transl)] Gnad HD. **Klin Monatsbl Augenheilkd** 167(4):604-7, Oct 75 (Eng. Abstr.) **(Ger)**
[Effect of intravenously and intramuscularly administered vitamin PP on retinal vessels in humans] Karczewicz D. **Klin Oczna** 45(12):1277-80, Dec 75 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

[Ultrahistochemical studies on the capillary endothelium of pecten oculi] von Bassewitz DB, et al. **Verh Anat Ges** 69:631-3, 1975 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Development of macular vessels in monkey and cat. Henkind P, et al. **Br J Ophthalmol** 59(12):703-9, Dec 75
Retinal capillaries: proliferation of mural cells in vitro. Buzney SM, et al. **Science** 190(4218):985-6, 5 Dec 75

INJURIES

[Vascular changes in the fundus oculi and optic nerve after laser coagulation. Fluorographic and fluoromicroscopic study] Baurmann H, et al. **Bull Mem Soc Fr Ophtalmol** (87):288-95, 1976 **(Fre)**

PATHOLOGY

The retina in type 5 hyperlipoproteinemia. Kurz GH, et al. **Am J Ophthalmol** 82(1):32-43, Jul 76
Light and electron microscopic study of early lesions in angiomatosis retinae. Nicholson DH, et al. **Am J Ophthalmol** 82(2):193-204, Aug 76
Macular and perimacular vascular remodelling sickling haemoglobinopathies. Asdourian GK, et al. **Br J Ophthalmol** 60(6):431-53, Jun 76
Retinal vascular changes in bull's eye maculopathy. Chopdar A. **Br J Ophthalmol** 60(7):504-7, Jul 76
Retinal vascular changes in congenital hypertrophy of the retinal pigment epithelium. Cleary PE, et al. **Br J Ophthalmol** 60(7):499-503, Jul 76
Retinal vascular obstruction. Manschot WA. **Doc Ophthalmol** 40(2):383-9, 31 Mar 76
Proceedings: Fine structure of retinal arterioles in experimental hypertensive rats. Takahashi S, et al. **Jpn Heart J** 16(3):312, May 75
Computer data processing in the examination of retinal vessels in essential hypertension and atherosclerosis. Majewska K, et al. **Ophthalmologica** 172(6):445-48, 1976
Retinal arterioles in the New Zealand strain of genetically hypertensive rats. Parr JC. **Trans Ophthalmol Soc NZ** 28:83-9, 1976
[Acquired chorioretinal vascular anastomoses in macular diseases] Demeler U, et al. **Ber Dtsch Ophthalmol Ges** (73):431-4, 1975 **(Ger)**
[Damage of the capillaries of the central retina as a primary change in senile macular degeneration] Bryk E. **Klin Oczna** 46(2):207-11, Feb 76 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Letter: Dye dilution technique to study the effect of exygen content in the blood on the retinal blood flow. Ben-Sira T, et al. **Invest Ophthalmol** 14(11):876, Nov 75
Blood velocity measurements in human retinal vessels. Tanaka T, et al. **Science** 186(4166):830-1, 29 Nov 74
[Influence of occlusion of retinal vessels on the transport of 22Na and 131J-iodo-o-hippurate out of the subretinal space (experiments performed on cats) (author's transl)] Stürm R, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):119-27, 25 Nov 75 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The role of lactic acid in retinal neovascularization. Gerke E, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 200(1):79-84, 26Jul 76
Reactivity to oxygen and permeability of small blood vessels. Vascular function tests. Ramalho PS. **Bibl Anat** 13:203-9, 1975
Hemorheological changes in experimental retrolental fibroplasia. Lemmingson W. **Biorheology** 13(2):97-9, Apr 76
Early breakdown of the blood-retinal barrier in diabetes. Cunha-Vaz J, et al. **Br J Ophthalmol** 59(11):649-56, Nov 75
Perinephritis hypertension in monkeys. I. An increase of plasma renin activity associated with increased permeability of retinal vessels and angionecrosis. Okabayashi T, et al. **Jpn Heart J** 17(1):61-72, Jan 76
Study on permeability of the retinal vessels in spontaneously hypertensive rats. Yoshimoto H, et al. **Jpn Heart J** 17(3):365-6, May 76
Patterns of ischemia in diabetic retinopathy. Bresnick GH, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP694-709, Jul-Aug 76
[Peripheral retinal circulation times in connection with retinal detachment (author's transl)] Tillmann W. **Albrecht von Graefes Arch Klin Ophthalmol** 195(3):207-14, 6 Jun 75 (Eng. Abstr.) **(Ger)**
[Experimental study of the problem of retinal ischemia (author's transl)] Wündsch L. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):241-53, 4 Dec 75 (Eng. Abstr.) **(Ger)**
[Macular diseases in retinal-vessel involvement] Neubauer H, et al. **Ber Dtsch Ophthalmol Ges** (73):500-16, 1975 (Eng. Abstr.) **(Ger)**
[Reversible discontinuous arteriopathy (Kyrieleis) with multiple detachment of pigment epithelium at the posterior pole (author's transl)] Ritzinger I, et al. **Klin Monatsbl Augenheilkd** 165(5):770-5, Nov 74 (Eng. Abstr.) **(Ger)**
[A factor of prolongation of the extravasation produced by xenon are photocoagulation (author's transl)] Fukuda M, et al. **Acta Soc Ophthalmol Jpn** 79(8):943-51, Aug 75 (Eng. Abstr.) **(Jpn)**
[Physiopathological aspects of hypertensive changes in the retinal vessels (author's transl)] Irinoda K, et al. **Acta Soc Ophthalmol Jpn** 79(11):1617-50, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

[Post-irradiation lesions of the blood vessels following irradiation of choroidal tumors with 1O6Ru/1O6Rh applications] Lommatzsch P, et al. **Klin Oczna** 46(4):411-3, 1976 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

[Retinal vein manifestations of Behcet's disease: angiographic demonstration] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 74(9-10):907-9, Sep-Oct 74 **(Fre)**
[Acute retinal ischemia during carotid angiography in ophthalmic artery occlusion] Hauke P, et al. **Nervenarzt** 46(11):656-8, Nov 75 **(Ger)**

SURGERY

Intraocular diathermy. pp. 436-47. Peyman GA, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

ULTRASTRUCTURE

Perivascular and intervascular reticular fibers of the retina. Ashton N, et al. **Am J Ophthalmol** 80(3 Pt 1):337-50, Sep 75
Fine structure of the human retinal capillaries. Neetens A, et al. **Bibl Anat** 13:226-31, 1975
Retinal capillary junctions: ultrastructural tight junction artefacts induced by sodium ions and membrane reduction in streptozotocin diabetes. Sosula L. **Cell Tissue Res** 161(3):393-411, 25 Aug 75
Tridimensional views of the relationship of pericytes to endothelial cells of capillaries in the human choroid and retina. Matsusaka T. **J Electron Microsc (Tokyo)** 24(1):13-8, 1975
[Comparative electron microscopy studies on the capillary endothelium of the conus papillaris in lizards (Sauria)] Dieterich CE, et al. **Verh Anat Ges** 69:643-50, 1975 (Eng. Abstr.) **(Ger)**
[Comparative electron microscopy studies on the pecten oculi in birds and the conus papillaris in reptiles] Dieterich HJ, et al. **Verh Anat Ges** 69:635-42, 1975 (Eng. Abstr.) **(Ger)**
[Observations on the corrosion casts of the radial peripapillary capillaries (author's transl)] Araki M. **Acta Soc Ophthalmol Jpn** 80(7):401-11, 10 Jul 76 (Eng. Abstr.) **(Jpn)**
[Electron microscopic observations on the retinal capillaries in streptozotocin-diabetic rat--with special reference to the pericyte of the capillary (author's transl)] Kojima K, et al. **Acta Soc Ophthalmol Jpn** 79(11):1758-64, 10 Nov 75 (Eng. Abstr.) **(Jpn)**
[On the electron microscopic findings on the retinal capillaries in diabetic retinopathy (senile and juvenile)--with special reference to the alteration in the basal lamina and the pericytes (author's transl)] Kojima K, et al. **Acta Soc Ophthalmol Jpn** 79(8):929-42, Aug 75 (Eng. Abstr.) **(Jpn)**
[The effect of coagulation on the retinal capillaries of the rat eye--electron microscopic studies-- (author's transl)] Kojima K, et al. **Acta Soc Ophthalmol Jpn** 80(7):368-78, 10 Jul 76 (Eng. Abstr.) **(Jpn)**
[Tubular body in the endothelial cell of the ocular blood vessel--comparative ultrastructure and development of tubular bodies in the retina (author's transl)] Matsuda H, et al. **Acta Soc Ophthalmol Jpn** 79(8):878-86, Aug 75 (Eng. Abstr.) **(Jpn)**
[Ophthalmological studies on perinephritis hypertension in monkeys: pathogenesis of retinal changes (author's transl)] Oka Y, et al. **Acta Soc Ophthalmol Jpn** 79(8):904-14, Aug 75 (Eng. Abstr.) **(Jpn)**
[Effects of oxygen on developing vessels in the kitten retina

(author's transl)] Oshima K, et al. **Acta Soc Ophthalmol Jpn** 79(8):813–24, Aug 75 (Eng. Abstr.) **(Jpn)**

[Scanning and transmission electron microscopic studies on the retinal vessels of spontaneously hypertensive rats (SHR) (author's transl)] Sekino T. **Acta Soc Ophthalmol Jpn** 79(8):887–903, Aug 75 (Eng. Abstr.) **(Jpn)**

[Electron microscopy of lesions in retinal blood vessels of rats rendered diabetic with alloxan or streptozotocin. Report 2 (author's transl)] Taniguchi Y, et al. **Acta Soc Ophthalmol Jpn** 80(3):124–34, Mar 76 (Eng. Abstr.) **(Jpn)**

[Morphological and biochemical studies on the retinal blood vessels of streptozotocin diabetic rats (author's transl)] Tsuda N. **Acta Soc Ophthalmol Jpn** 79(8):915–27, Aug 75 (Eng. Abstr.) **(Jpn)**

RETINALDEHYDE see under **VITAMIN A**

RETINITIS

Significance of the configurations in retinal disturbances. Colenbrander MC. **Ophthalmologica** 171(4–5):321–4, 1975

[Retino-choroidal manifestations of candidiasis] Bec P, et al. **Bull Soc Ophtalmol Fr** 75(5–6):571–5, May–Jun 75 **(Fre)**

[Foveal perforation] Lang. **Ophthalmologica** 172(2–3):244–6, 1976 **(Ger)**

CLASSIFICATION

[Nosological outline of Coats' disease] Capier MJ, et al. **Bull Soc Ophtalmol Fr** 75(3):317–22, Mar 75 **(Fre)**

COMPLICATIONS

[Macular involvement in Coat's disease] Joussen F, et al. **Ber Dtsch Ophthalmol Ges** (73):518–23, 1975 **(Ger)**

DIAGNOSIS

Rubella-associated retinitis in an adult: report of a case. Gerstle C, et al. **Mt Sinai J Med NY** 43(3):303–8, May–Jun 76

Bacterial endocarditis mimicking vasculitis with steroid-induced remission. Lawrence EC, et al. **West J Med** 124(4):333–4, Apr 76

[Coat's retinitis in an 18-month-old child, difficulties in diagnosis] Rossazza C, et al. **Bull Soc Ophtalmol Fr** 74(12):1199–1202, Dec 74 **(Fre)**

[Sequelae of unilateral exudative hemorrhagic maculopathy] Hübner H, et al. **Ber Dtsch Ophthalmol Ges** (73):434–8, 1975 **(Ger)**

[Value of fluorescein angiography in the diagnosis of the central inflammation of the retina] Bryk E. **Klin Oczna** 46(1):63–5, Jan 76 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Therapy of cytomegalovirus retinitis with transfer factor. Rytel MW, et al. **Cell Immunol** 19(1):8–21, Sep 75

[Inflammations of the uvea and retina] Fechner PU. **Buech Augenarzt** 67(0):245–59, 1976 **(Ger)**

ETIOLOGY

Solar retinopathy. Galainena ML. **Ann Ophthalmol** 8(3):304–6, Mar 76

Retinal sensitivity to damage from short wavelength light. Ham WT Jr, et al. **Nature** 260(5547):153–5, 11 Mar 76

[The true origin of so called albuminuric retinitis] Ros A. **Bull Mem Soc Fr Ophtalmol** (87):80–4, 1976 **(Fre)**

[Observations on star-fold retinitis in relation to various therapeutic measures] Bleckmann H. **Ber Dtsch Ophthalmol Ges** (73):270–4, 1975 **(Ger)**

[Connection between severe perivenous retinitis with retinovitreal hemorrhage and disseminated sclerosis] Cendrowski W, et al. **Neurol Neurochir Pol** 9(4):553–5, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Experimental autoimmune uveo-retinitis and specificity of retinal antigens. Faure JP, et al. **Mod Probl Ophthalmol** 16:21–9, 1976

Sensitizing capacity of syngeneic, allogeneic and xenogeneic ocular tissue. Effect on intact and injured rat eyes. Friedrich-Wirth C, et al. **Mod Probl Ophthalmol** 16:72–4, 1976

Experimental immune retinitis: induction by isolated photoreceptors. Rahi AH, et al. **Mod Probl Ophthalmol** 16:30–40, 1976

METABOLISM

Coats' disease: A study of cholesterol transport in the eye. Yeung J, et al. **Can J Ophthalmol** 11(1):61–8, Jan 76

MICROBIOLOGY

Neonatal herpes simplex retinitis. Cibis GW. **Albrecht von Graefes Arch Klin Ophthalmol** 196(1):39–47, 4 Aug 75

Herpesvirus hominis encephalitis and retinitis. Minckler DS, et al. **Arch Ophthalmol** 94(1):89–95, Jan 76

PATHOLOGY

Adult cytomegalovirus inclusion retino-uveitis. Chumbley LC, et al. **Am J Ophthalmol** 80(5):807–16, Nov 75

Foveomacular retinitis: report of cases in three young females. Woldoff HS, et al. **Ann Ophthalmol** 7(8):1035–8, Aug 75

Experimental Toxoplasma retinitis: a light and electron microscopical study. Yoshizumi MO. **Arch Pathol Lab Med** 100(9):487–90, Sep 76

Origin of ghost cell in Coats' disease. Takei Y. **Invest Ophthalmol** 15(8):677–81, Aug 76

SURGERY

Treatment of Coats' disease with photocoagulation. Spitznas M, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):31–7, 1 Apr 76

[Photocoagulation in the treatment of central retinal changes] Ogielska E, et al. **Klin Oczna** 45(10–11):1119–22, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

RETINITIS PIGMENTOSA

Retinitis pigmentosa without pigment. Pearlman JT, et al. **Am J Ophthalmol** 81(4):417–9, Apr 76

Unilateral retinitis pigmentosa sine pigmento. Pearlman JT, et al. **Br J Ophthalmol** 60(5):354–60, May 76

Two types of retinal degeneration in cerebellar mutant mice. Mullen RJ, et al. **Nature** 258(5535):528–30, 11 Dec 75

Acute retinal pigment epitheliitis. Deutman AF. **Ophthalmologica** 171(4–5):361–4, 1975

Retinitis pigmentosa. Merin S, et al. **Surv Ophthalmol** 20(5):303–46, Mar–Apr 76

[A case of Kearns–Sayre syndrome (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 80(1):20–4, 10 Jan 76 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Retinal dystrophy combined with alopecia. Björk A, et al. **Acta Ophthalmol (Kbh)** 53(5):781–9, Nov 75

Progressive external ophthalmoplegia and benign retinal pigmentation. Beckerman BL, et al. **Am J Ophthalmol** 81(1):89–92, Jan 76

Atypical retinitis pigmentosa in familial hypobetalipoproteinemia. Yee RD, et al. **Am J Ophthalmol** 82(1):64–71, Jul 76

Unilateral retinitis pigmentosa and pit of optic disc. Godel V, et al. **Arch Ophthalmol** 94(8):1417–8, Aug 76

Presumed glial retinal hamartomas in Usher's syndrome. Awan KJ. **Can J Ophthalmol** 11(3):258–60, Jul 76

Anterior polar and posterior subcapsular cataract in a patient with retinitis pigmentosa: a light-microscopic and ultrastructural study. Dilley KJ, et al. **Exp Eye Res** 22(2):155–67, Feb 76

[Coincidence or syndrome? Unusual association in the same patient: chronic torpid uveitis with pigmentary pseudo-retinopathy, cutaneous elastoidosis and rheumatismal periarthritis] Heinrich MR. **Bull Soc Ophtalmol Fr** 75(4):479–85, Apr 75 **(Fre)**

[Evolution of Usher's syndrome] Morgon A, et al. **J Fr Otorhinolaryngol** 24(8):614, 617, 620, Oct 75 **(Fre)**

[Typical retinitis pigmentosa with chronic progressive external ophthalmoplegia (author's transl)] Körner F, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 195(3):195–200, 6 Jun 75 (Eng. Abstr.) **(Ger)**

[Clinico-neurologic and electromyographic studies of patients with initial isolated pigmentary retinopathy] Müller-Jensen A, et al. **Ophthalmologica** 170(6):505–17, 1975 **(Ger)**

[Pigment degeneration of the retina and secondary glaucoma] Skripka VK. **Oftalmol Zh** 30(5):378–9, 1975 **(Rus)**

CONGENITAL

Embryological pigment epithelial dystrophies. François J. **Ophthalmologica** 172(6):417–33, 1976 (58 ref.)

[Congenital grouped pigmentation of the retina (author's transl)] Egerer I. **Klin Monatsbl Augenheilkd** 168(05):672–7, May 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Chronic progressive external ophthalmoplegia, pigmentary retinopathy, and heart block (Kearns-Sayre syndrome). Report of a case. Lowes M. **Acta Ophthalmol (Kbh)** 53(4):610–9, Sep 75

Letter: Nonpigmented retinitis pigmentosa and the neurologist. Pearlman JT. **Arch Neurol** 33(8):590, AUG 76

Sector retinitis pigmentosa: a fluorescein angiographic study. Abraham FA, et al. **Ophthalmologica** 172(4):287–97, 1976

Retinitis pigmentosa and allied retinal diseases: electrophysiologic findings. Berson EL. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP659–666, Jul–Aug 76

A clinical report of Kearns–Sayre syndrome with the electrophysiological evaluation. Tamai A, et al. **Yonago Acta Med** 19(2):110–20, Aug 75

[Late aspects of placoid pigmentary epitheliopathy (acute chorio-capillaritis: apropos of 2 cases)] Feuvrier YM. **Bull Soc Ophtalmol Fr** 74(12):215–21, Dec 74 (Eng. Abstr.) **(Fre)**

[A case of monocular retinitis pigmentosa (author's transl)] Grüntzig J, et al. **Klin Monatsbl Augenheilkd** 167(5):737–41, Nov 75 (Eng. Abstr.) **(Ger)**

[Double adaptation curve] Maciejasz A, et al. **Klin Oczna** 45(9):1017–21, Sep 75 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Cystic disease of the renal medulla associated with retinitis pigmentosa and imino acid abnormalities. Bennett WM, et al. **Clin Nephrol** 4(1):25–31, Jul 75

[Fuchs' uveosis and pigmental retinopathy] Cordier J, et al. **Bull Soc Ophtalmol Fr** 74(5–6):677–9, May–Jun 74 **(Fre)**

FAMILIAL & GENETIC

Homocarnosinosis. 2. A familial metabolic disorder associated with spastic paraplegia, progressive mental deficiency, and retinal pigmentation. Sjaastad O, et al. **Acta Neurol Scand** 53(4):275–90, Apr 76

A new familial syndrome characterized by pigmentary retinopathy, hypogonadism, mental retardation, nerve deafness and glucose intolerance. Edwards JA, et al. **Am J Med** 60(1):23–32, Jan 76

Hereditary renal-retinal dysplasia and the medullary cystic disease-nephronophthisis complex. Avasthi PS, et al. **Ann Intern Med** 84(2):157–61, Feb 76

A newly recognized inherited syndrome of dwarfism, craniosynostosis, retinitis pigmentosa and multiple congenital malformations. Armendares S, et al. **Birth Defects** 11(5):49–53, 1975

Progressive quadriparesis, mental retardation, retinitis pigmentosa, and hearing loss: report of two sibs. Gordon AM, et al. **Johns Hopkins Med J** 138(4):142–5, Apr 76

Inherited retinal dystrophy: primary defect in pigment epithelium determined with experimental rat chimeras. Mullen RJ, et al. **Science** 192(4241):799–801, 21 May 76

[Genetic heterogeneity of pigmentary retinal dystrophy: analysis of the mode of inheritance in 104 pedigrees (author's transl)] Ohba N, et al. **Acta Soc Ophthalmol Jpn** 79(12):1807–12, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Autosomal recessive hereditary type of pigmentary degeneration of the retina] Ondrejčák M, et al. **Cesk Oftalmol** 32(2):142–4, Mar 76 (Eng. Abstr.) **(Slo)**

METABOLISM

The binding of concanavalin A to the rod outer segments and pigment epithelium of normal and RCS rats. Hall MO, et al. **Exp Eye Res** 22(5):469–76, May 76

PATHOLOGY

Ultrastructure of blood vessels of the iris in retinal pigmentary degeneration. Matsuura H. **Yonago Acta Med** 19(2):95–8, Aug 75

PHYSIOPATHOLOGY

Sector retinitis pigmentosa. Electrophysiological and psychophysical study of the visual system. Abraham FA. **Doc Ophthalmol** 39(1):13–28, 21 Nov 75

Studies on the early receptor potential in the human eye. III. ERP in primary retinitis pigmentosa. Tamai A. **Yonago Acta Med** 18(1):18–29, Jun 74

[Electrophysiological studies on a case of Kearns–Sayre syndrome (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 80(2):71–5, 1976 (Eng. Abstr.) **(Jpn)**

[Concomitant changes in the functions in the twin eye after surgical treatment of pigment degeneration of the retina] Voloshinov DB. **Vestn Oftalmol** (6):24–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

REHABILITATION

The development of the Generation II as an aid for patients with retinitis pigmentosa and night blindness. Davidson B, et al. **Am J Optom Physiol Opt** 53(2):88–94, Feb 76

THERAPY

Editorial: Treatment of retinitis pigmentosa. **Br Med J** 1(6022):1358–9, 5 Jun 76

RETINOBLASTOMA

Orbital involvement in retinoblastoma. Höpping W, et al. **Mod Probl Ophthalmol** 14:382–7, 1975

Retinoblastoma in Bloch–Sulzberger syndrome. Blake J, et al. **Ophthalmologica** 172(6):457–65, 1976

[A late form of retinoblastoma] François P, et al. **Bull Soc Ophtalmol Fr** 74(4):503–5, Apr 74 **(Fre)**

[Clinical observation on retinoblastoma (author's transl)] Matsumura M, et al. **Acta Soc Ophthalmol Jpn** 80(7):361–7, 10 Jul 76 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Treatment of malignant meningitis in retinoblastoma. Stannard CE, et al. **Br J Ophthalmol** 59(7):362–5, Jul 75

Nonocular cancer in retinoblastoma survivors. Abramson DH, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):454–7, May–Jun 76

Retinoblastoma associated with other primary malignant tumours. Aherne G. **Trans Ophthalmol Soc UK** 94(4):938–44, 1974

DIAGNOSIS

Elevated lactic acid dehydrogenase in aqueous humor in an eye without retinoblastoma. Stone RA, et al. **Am J Ophthalmol** 82(1):94–6, Jul 76

Retinoblastoma: a study of natural history and prognosis of

268 cases. Lennox EL, et al. **Br Med J** 3(5986):731–4, 27 Sep 75

Retinoblastoma; unusual presentation. Labib MAM, et al. **Bull Ophthalmol Soc Egypt** 68:385–9, 1975

B-scan ultrasonography in the diagnosis of atypical retinoblastomas. Shields JA, et al. **Can J Ophthalmol** 11(1):42–51, Jan 76

[A case of retinoblastoma with an unusual clinical manifestation. (33 cases of retinoblastoma since 1950)] Bronner A, et al. **Bull Soc Ophtalmol Fr** 74(11):1107–9, Nov 74 **(Fre)**

[Hyperplasia of the primary vitreous body] Marx M, et al. **Bull Soc Ophtalmol Fr** 74(12):207–14, Dec 74 **(Fre)**

[Coat's retinitis in an 18-month-old child, difficulties in diagnosis] Rossazza C, et al. **Bull Soc Ophtalmol Fr** 74(12):1199–1202, Dec 74 **(Fre)**

[Hyphema revealing retinoblastoma] Saraux H, et al. **Bull Soc Ophtalmol Fr** 74(3):301–4, Mar 74 **(Fre)**

[Tissue culture investigations on the distinction between hereditary and sporadic retinoblastoma (author's transl)] Prop FJ, et al. **Klin Monatsbl Augenheilkd** 167(3):396–404, Sep 75 (Eng. Abstr.) **(Ger)**

[Orbital scintigraphy (report 1). RI examination in ophthalmology (author's transl)] Nose H, et al. **Acta Soc Ophthalmol Jpn** 79(10):1414–24, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Letter: Aqueous humour lactic dehydrogenase isoenzymes in retinoblastoma. Romano PE, et al. **Br J Ophthalmol** 60(1):75, Jan 76

Recent observations regarding retinoblastoma. II. An enxyme study of retinoblastoma. Reid TW, et al. **Trans Ophthalmol Soc UK** 94(4):929–37, 1974

FAMILIAL & GENETIC

Genetic aspects of childhood tumours. Francois J, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):145–9, 1975

Retinoblastoma occurring in four successive generations. Migdal C. **Br J Ophthalmol** 60(2):151–2, Feb 76

CEA family syndrome. Abnormal carcinoembryonic antigen (CEA) levels in asymptomatic retinoblastoma family members. Felberg NT, et al. **Cancer** 37(3):1397–402, Mar 76

Retinoblastoma–a clinical survey and its genetic implications. Aherne GE, et al. **Clin Genet** 8(4):275–90, Oct 75

Hereditary retinoblastoma: penetrance, expressivity and age of onset. Matsunaga E. **Hum Genet** 33(1):1–15, 7 Jul 76

Mutation and childhood cancer: a probabilistic model for the incidence of retinoblastoma. Knudson AG Jr, et al. **Proc Natl Acad Sci USA** 72(12):5116–20, Dec 75

Immunogenetics of retinoblastoma. Jones AL. **Trans Ophthalmol Soc UK** 94(4):945–52, 1974

[Familial retinoblastoma with regression in certain localizations] Cordier J, et al. **Bull Soc Ophtalmol Fr** 75(7–8):771–3, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Genetic counseling in retinoblastoma] Fiore C. **J Genet Hum** 24(1):15–26, Mar 76 (Eng. Abstr.) **(Fre)**

[Malignancies in relatives of retinoblastoma patients (author's transl)] Stefani FH. **Klin Monatsbl Augenheilkd** 168(05):716–8, May 76 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Fetal antigens in retinoblastoma. Michelson JB, et al. **Cancer** 37(2):719–23, Feb 76

OCCURRENCE

Retinoblastoma: an epidemiological study (survey and review). Pawlak BR. **J Surg Oncol** 7(1):45–55, 1975

A possible population monitoring system on environmental mutagens: statistical studies on retinoblastoma in Japan. Sugahara T, et al. **Mutat Res** 30(1):137–42, Oct 75

Primary eye malignancy in Papua New Guinea. Parsons GA. **Papua New Guinea Med J** 18(2):83–6, Jun 75

PATHOLOGY

Spontaneous regression of retinoblastoma. Nehen JH. **Acta Ophthalmol (Kbh)** 53(4):647–51, Sep 75

Cystic retinoblastoma. Ginsberg J, et al. **Am J Ophthalmol** 80(5):930–4, Nov 75

Synapse formation in retinoblastoma tumours. Dickson DH, et al. **Br J Ophthalmol** 60(5):371–5, May 76

Abnormal mitochondria in retinoblastoma. Sun CN. **Experientia** 32(5):630–2, 15 May 76

Retinoblastoma in Central India. A clinicopathological study. Shivde AV, et al. **Indian J Cancer** 12(2):144–50, Jun 75

Skeletal metastases from retinoblastoma. Reed MH, et al. **J Can Assoc Radiol** 26(4):249–54, Dec 75

Recent observations regarding retinoblastoma. I. Ultrastructure, tissue culture growth, incidence, and animal models. Albert DM, et al. **Trans Ophthalmol Soc UK** 94(4):909–28, 1974

Histology and spontaneous regression of retinoblastoma. Lindley J, et al. **Trans Ophthalmol Soc UK** 94(4):953–67, 1974

[Ultrastructure of retinoblastoma (direct sample, culture and graft)] Verin P, et al. **Bull Soc Ophtalmol Fr** 75(5–6):507–14, May–Jun 75 **(Fre)**

[Retinoblastoma in an adult (author's transl)] Kremlicka L, et al. **Klin Monatsbl Augenheilkd** 167(1):119–23, Jul 75 (Eng. Abstr.) **(Ger)**

[Genetic heterogeneity of retinoblastoma cells] Vasilieva SF, et al. **Oftalmol Zh** 30(6):440–3, 1975 (Eng. Abstr.) **(Rus)**

[Retinoblastoma. Relation between choroid infiltration and orbital metastasis] Antillón F, et al. **Bol Med Hosp Infant Mex** 33(1):161–7, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Radiation treatment of retinoblastoma. Ehlers N, et al. **Acta Ophthalmol (Kbh)** 53(4):591–609, Sep 75

Low-dose intramuscular ketamine for pediatric radiotherapy: a case report. Amberg HL, et al. **Anesth Analg (Cleve)** 55(1):92–4, Jan–Feb 76

Cobalt 60 discs in the treatment of retinoblastoma and malignant melanomata. Ismail S, et al. **Bull Ophthalmol Soc Egypt** 68:391–401, 1975

SURGERY

[Problems concerning the enucleation of both eyes in cases of incurable retinoblastoma (author's transl)] Schenk H. **Klin Monatsbl Augenheilkd** 167(6):877–9, Dec 75 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of retinoblastoma. Bedford MA. **Adv Ophthalmol** 31:2–32, 1975 (259 ref.)

Scleral buckling in retinoblastoma: case report. Pruett RC. **Ann Ophthalmol** 7(8):1115–20, Aug 75

Efficacy of cryotherapy in retinoblastoma. Molteno AC. **S Afr Med J** 50(28):1089–92, 3 Jul 76

Combined approach to treatment of retinoblastoma. Salmonsen PC. **Tex Med** 71(12):48–52, Dec 75

[Remote results of combined treatment of retinoblastomas in children] Khvatova AV, et al. **Vestn Oftalmol** (6):41–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

RETINOL see under **VITAMIN A**

RETINOL BINDING PROTEINS

A specific receptor for retinol binding protein as detected by the binding of human and bovine retinol binding protein to pigment epithelial cells. Heller M, et al. **Am J Ophthalmol** 81(1):93–7, Jan 76

The affinity of retinol and its analogues for retinol-binding protein. Muhilal H, et al. **Biochem Soc Trans** 3(5):744–6, 1975

Cellular retinol-binding protein. Bashor MM, et al. **Biochim Biophys Acta** 411(1):87–96, 10 Nov 75

Comparative studies of human and chicken retinol-binding proteins and prealbumins. Kopelman M, et al. **Biochim Biophys Acta** 439(2):442–8, 9 Aug 76

The interaction between retinol-binding proteins and prealbumins studied by fluorescence polarization. Kopelman M, et al. **Biochim Biophys Acta** 439(2):449–60, 9 Aug 76

Binding affinities of retinol and related compounds to retinol binding proteins. Cogan U, et al. **Eur J Biochem** 65(1):71–8, 17 May 76

Studies on thyroid hormone-binding proteins. II. Binding of thyroid hormones, retinol-binding protein, and fluorescent probes to prealbumin and effects of thyroxine on prealbumin subunit self association. Nilsson SF, et al. **J Biol Chem** 250(21):8554–63, 10 Nov 75

Mediation of retinoic acid-induced growth and anti-tumour activity. Chytil F, et al. **Nature** 260(5546):49–51, 4 Mar 76

ANALYSIS

The localization of retinol-binding protein in rat liver by immunofluorescence microscopy. Poole AR, et al. **J Cell Sci** 19(2):379–94, Nov 75

BLOOD

Concentration of vitamin A, retinol-binding protein and prealbumin in serum in response to stress: A contribution to the prevention of stress ulcers by means of vitamin A. Kasper H, et al. **Acta Hepatogastroenterol (Stuttg)** 22(6):403–8, Dec 75

Albumin, transferrin and the thyroxine-binding prealbumin/retinol-binding protein (TBPA-RBP) complex in assessment of malnutrition. Ingenbleek Y, et al. **Clin Chim Acta** 63(1):61–7, 18 Aug 75

Characterization of bovine plasma retinol-binding protein and evidence for lack of binding between it and other bovine plasma proteins. Heller J. **J Biol Chem** 250(16):6549–54, 25 Aug 75

The concentrations of retinol-binding protein, prealbumin, and transferrin in the sera of newly delivered mothers and children of various ages. Vahlquist A, et al. **Scand J Clin Lab Invest** 35(6):569–75, Oct 75

DEFICIENCY

Keratomalacia in the cachectic hospitalized patient. Baum JL, et al. **Am J Ophthalmol** 82(3):435–8, Sep 76

ISOLATION & PURIFICATION

Purification and evidence for the identity of chicken plasma and egg yolk retinol-retinol binding protein-prealbumin complex. Heller J. **Dev Biol** 51(1):1–9, 1 Jul 76

Retinol-binding protein in bovine retina: isolation and partial characterization. Saari JC, et al. **Exp Eye Res** 22(5):425–33, May 76

Intracellular retinol-binding proteins from bovine pigment epithelial and photoreceptor cell fractions. Purification of high molecular weight lipoglycoproteins. Heller J. **J Biol Chem** 251(10):2952–7, 25 May 76

METABOLISM

Seasonal changes in the plasma retinol-binding holoprotein concentration of sheep. Glover J, et al. **Br J Nutr** 36(1):137–41, Jul 76

Retinol binding protein in serum and in urine of glomerular and tubular nephropathies. Scarpioni L, et al. **Clin Chim Acta** 68(2):107–13, 15 Apr 76

Transport of retinol from the blood to the retina: an autoradiographic study of the pigment epithelial cell surface receptor for plasma retinol-binding protein. Bok D, et al. **Exp Eye Res** 22(5):395–402, May 76

Retinol and retinoic acid-binding proteins in bovine retina: aspects of binding specificity. Futterman S, et al. **Exp Eye Res** 22(5):419–24, May 76

Transport of retinol from the blood to the retina: involvement of high molecular weight lipoproteins as intracellular carriers. Heller J, et al. **Exp Eye Res** 22(5):403–10, May 76

Binding of retinol to isolated retinal pigment epithelium in the presence and absence of retinol-binding protein. Maraini G, et al. **Invest Ophthalmol** 14(10):785–7, Oct 75

Cellular retinol-binding protein and retinoic acid-binding protein in rat testes: effect of retinol depletion. Ong DE, et al. **J Nutr** 106(2):204–11, Feb 76

Demonstration of immunoreactive retinol-binding protein and prealbumin in developing chicken embryo. Abe T, et al. **Life Sci** 17(10):1579–87, 15 Nov 75

[Retinol-binding protein (author's transl)] Kanai M. **Jpn J Clin Pathol** 23(12):938–43, Dec 75 **(Jpn)**

PHYSIOLOGY

The transport of vitamin A in hypervitaminosis A. **Nutr Rev** 34(4):119–20, Apr 76 (5 ref.)

URINE

Low molecular weight urinary proteins. I. Partial amino acid sequences of the retinol-binding proteins of man and dog. Poulik MD, et al. **Biochim Biophys Acta** 412(2):326–34, 15 Dec 75

Urinary excretion of retinol-binding protein (RBP) in rabbit chronically poisoned with cadmium. Isolation and partial characterization of rabbit RBP. Muto Y, et al. **J Biochem (Tokyo)** 79(4):775–85, Apr 76

Renal handling of Zn-alpha2-glycoprotein as compared with that of albumin and the retinol-binding protein. Ekman R, et al. **J Clin Invest** 57(4):945–54, Apr 76

RETIREMENT

Letter: Gerontophobia. Bornstein FP. **Arch Intern Med** 136(1):118, Jan 76

Cutting retirement budgets down to size. Beverley EV. **Geriatrics** 30(10):124–40, Oct 75

More consumer concerns--from dress to redress. Beverley EV. **Geriatrics** 30(11):131–40, Nov 75

Raising the retiree's level of safety consciousness. Beverley EV. **Geriatrics** 31(6):120–5, Jun 76

Reading, writing, and 'rithmetic-adapted to retirees' needs. Beverley EV. **Geriatrics** 31(9):116–30, Sep 76

Will our current retirement policies be realistic in the future? Sheppard HL. **Geriatrics** 31(5):38–46, May 76

Work after retirement. An investigation into some psychologically relevant variables. Fillenbaum GG, et al. **Gerontologist** 14(5 pt 1):418–24, Oct 74

An ethnographic study of a retirement setting. Jacobs J. **Gerontologist** 14(6):483–7, Dec 74

A national sabbatical system: implications for the aged. Melching D, et al. **Gerontologist** 14(2):175–81, Apr 74

Retirement facility for sisters fosters active life style. Genovese P. **Hosp Prog** 56(9):50–1, Sep 75

Preretirement counseling. pp. 137–72. Pyron HC, et al. **In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.**

Voluntary activities for the older American. pp. 173–84. Sainer JS. **In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.**

Primary group interaction of residents in a retirement hotel. Hampe GD, et al. **Int J Aging Hum Dev** 6(4):309–20, 1975

Provision of on-site services in retirement housing. Sherman SR. **Int J Aging Hum Dev** 6(3):229–47, 1975

Friendship Manor: a community geriatrics model. Poe WD, et al. **J Am Geriatr Soc** 24(6):283–4, Jun 76

Some experiences in consulting to a community of retired soldiers. Merowitz M. **J Geriatr Psychiatry** 8(2):159–71, 1975

Expectancy theory prediction of the preference to remain employed or to retire. Eran M, et al. **J Gerontol** 31(5):605–10, Sep 76

The efficacy of preretirement preparation programs for industrial workers. Glamser FD, et al. **J Gerontol** 30(5):595–600, Sep 75

Determinants of a positive attitude toward retirement. Glamser FD. **J Gerontol** 31(1):104–7, Jan 76

Employment, retirement, and morale among older women. Jaslow P. **J Gerontol** 31(2):212–8, Mar 76

Retired academics and research activity. Rowe AR.

J Gerontol 31(4):456–61, Jul 76
Editorial: New legislation means new retirement benefits for doctors. Martin GW. **J La State Med Soc** 127(9):367–8, Sep 75
Disability experience under the Civil Service Retirement system—1955–1974. Eck RL, et al. **J Occup Med** 18(1):45–50, Jan 76
Proceedings: Changes in the body composition of elderly men following retirement from the stell industry. Fentem PH, et al. **J Physiol (Lond)** 258(1):29P–30P, Jun 76
Retirement depression. Merrill GG. **Md State Med J** 25(3):47–50, Mar 76
Where do all our aging medicos go? Comerford JA. **Med J Aust** 1(9):273–4, 28 Feb 76
Problems of retirement. Halse HY. **Med J Aust** 1(5):118–9, 31 Jan 76
Preventive medicine in geriatrics. 2: preparing for retirement. Dodsworth AJ. **Nurs Times** 72(24):948–9, 17 Jun 76
Country life—a survey of the needs of old people in a rural area. Kneer GM. **Nurs Times** 71(43):1714–6, 23 Oct 75
On pensioners' circumstances in a large Swedish city. A report from Malmö. Bolin A, et al. **Scand J Soc Med** 4(2):75–83, 1976
Health situation and related social conditions among 66-year-old Finnish men. Heikkinen E, et al. **Scand J Soc Med** 4(2):71–4, 1976
Retirement and psychic investments. Niemi T, et al. **Scand J Soc Med** 4(2):85–9, 1976
Providing for retirement with deductible dollars. Garver RB. **Vet Clin North Am** 6(1):157–68, Feb 76
[Insurance possibilities for physicians] **Ugeskr Laeger** 138(9):560–9, 23 Feb 76 **(Dan)**
[Letter: Retirement of physicians] Westh Nielsen P. **Ugeskr Laeger** 138(7):453–4, 9 Feb 76 **(Dan)**
[The basis of the preparation for aging in the German Democratic Republic] Eitner S. **Arch Belg Med Soc** 33(9–10):594–9, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[Letter: The Canadian Medical Association Retirement Savings Plan] Bannerman RP. **Can Med Assoc J** 114(1):4–5, 10 Jan 76 **(Fre)**
[Diseases with poor or without any organic findings in pensioners] Blunck W. **Z Allgemeinmed** 51(31):1418–22, 10 Nov 75 **(Ger)**
[Medico-sociological studies on aged pensioners in a large city] Bunge H-C, et al. **Z Alternsforsch** 29(3):295–8, 1975 **(Ger)**
[Aspects of representing trade union interests in the care for senior citizens] Rösel F. **Z Alternsforsch** 29(3):255–9, 1975 **(Ger)**
[Preparation for retirement] Jiménez Herrero F. **Rev Sanid Hig Publica (Madr)** 49(7):635–46, Jul 75 (Eng. Abstr.) **(Spa)**
[How to prepare a person before retirement?] Kahanpää A. **Nord Med** 90(10):249–50, Oct 75 **(Swe)**

RETROGNATHISM

Brachygnathia inferior—is it heritable? Moller K, et al. **NZ Vet J** 23(8):175–9, Aug 75
[Anterior and posterior movements of the mandible inselected malocculusions] Szymańska M. **Czas Stomatol** 29(1):59–66, Jan 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Teleradiographic study of maxillary brachynathia caused by postero-anterior extra-oral forces on the face] Flour J. **Orthod Fr** 45(2):263–8, 1974 **(Fre)**

SURGERY

'The sagittal aplitting technique' – a follow-up study. Jönsson E, et al. **Int J Oral Surg** 5(4):172–5, Aug 76
The lip profile after correction of retromaxillism in cleft and non-cleft patients. Freihofer HP Jr. **J Maxillofac Surg** 4(3):136–41, Sep 76
Logopaedic findings following advancement of the maxilla. Schwarz C, et al. **J Maxillofac Surg** 4(1):40–55, Mar 76
Mandibular retrognathia: a review of the literature and selected cases. Fox GL, et al. **J Oral Surg** 34(1):53–61, Jan 76 (29 ref.)
Modification of the sagittal ramus-split osteotomy for retrognathia. Gallo WJ, et al. **J Oral Surg** 34(2):178–9, Feb 76
The retrognathic mandible—surgical correction. Hull MJ, et al. **Oral Surg** 41(1):2–17, Jan 76
Correction of mandibular dentoalveolar retrusion by anterior segmental advancement. Pedersen GW, et al. **Oral Surg** 41(3):281–92, Mar 76
Preservation of a posterior pharyngeal flap during maxillary advancement. Ruberg RL, et al. **Plast Reconstr Surg** 57(3):335–7, Mar 76
[The triad rhinokyphosis, protrusion, retromentia and its surgical treatment] Németh T, et al. **Cesk Stomatol** 75(5):358–62, Sep 75 (Eng. Abstr.) **(Cze)**
[Treatment of exophthalmia and retrognathia] van der Meulen JC, et al. **Ned Tijdschr Geneeskd** 119(43):1757–62, 8 Nov 75 (Eng. Abstr.) **(Dut)**
[Combined surgical and orthopedic treatment of severe class II division 1 malocclusion in an adult] Gironet J. **Acta Stomatol Belg** 72(4):747–54, 1975 **(Fre)**
[Pterygo-maxillary disjunction in low facial osteotomy of the upper facial skeleton. Anatomical study, its dangers, method, consequences] Gola R. **Ann Chir Plast** 19(4):305–10, 1974 (Eng. Abstr.) **(Fre)**
[Osteotomy for advancement of the face and skull] Marchac D, et al. **Ann Chir Plast** 19(4):311–23, 1974 (Eng. Abstr.) **(Fre)**
[Micrognathism surgery with extraordinarily severe retrognathism] Gabka J. **Acta Stomatol Belg** 72(4):573–6, 1975 **(Ger)**
[Standard method for the correction of symmetrical "bird-face"] Chausse JM. **Fortschr Kiefer Gesichtschir** 18:182–5, 1974 **(Ger)**
[Surgical treatment of maxillary protrusion and retrognathism] Köle H. **Fortschr Kiefer Gesichtschir** 18:46–9, 1974 **(Ger)**
[Treatment of childhood retrognathism through transposition of the masseter muscle] Spiessl B, et al. **Fortschr Kiefer Gesichtschir** 18:176–8, 1974 **(Ger)**

THERAPY

Fixed and removable appliances in the treatment of class II, division I malocclusions. pp. 338–48. Mills JR. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**
Simultaneous use of cervical appliance and activator: an orthopedic approach to fixed appliance therapy. pp. 324–33. Pfeiffer JP, et al. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**
Anchorage—a continuing crisis. pp. 410–19. Sims MR. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**
[Management of maxillary retrognathism by facial traction] Van Put E. **Acta Stomatol Belg** 72(4):589–95, 1975 **(Dut)**
[Treatment of maxillary retrognathism by facial traction] Van Put E. **Acta Stomatol Belg** 72(4):589–95, 1975 **(Dut)**
[Treatment of maxillary brachygnathia caused by postero-anterior extra-oral forces on the face. Technology and treatment plan] Carteau G. **Orthod Fr** 45(2):261–2, 1974 **(Fre)**
[Treatment of maxillary brachygnathia caused by postero-anterior extra-oral force on the face] Morel-Langlet N. **Orthod Fr** 45(2):281–2, 1974 **(Fre)**
[New orientations in orthodontic treatment of maxillodental sequel of total labiomaxillary clefts with palatal division] Verdon P. **Orthod Fr** 45(2):11–66, 1974 **(Fre)**
[Evaluation of therapeutic results in cases of posterior occlusion anaomalies using various therapeutic methods] Charazińska Z. **Czas Stomatol** 28(11):1109–23, Nov 75 (Eng. Abstr.) **(Pol)**

RETROGRADE DEGENERATION see under **NERVE DEGENERATION**

RETROGRADE OBTURATION

Sealing quality of polycarboxylate cements when compared to amalgam as retrofilling material. Barry GN, et al. **Oral Surg** 42(1):109–16, Jul 76
[Indications and prognosis for endodontic surgery] Halse A. **Nor Tannlaegeforen Tid** 86(1):5–12, Jan 76 **(Nor)**

RETROLENTAL FIBROPLASIA

Retolental fibroplasia — the future. McCormick AQ. **Can J Ophthalmol** 11(2®760521–760610–2):13–5, Apr 76
Letter: Retrolental fibroplasia revisited. **Pediatrics** 56(3):488–9, Sep 75
[Initial sign and clinical course of the most severe form of acute proliferative retrolental fibroplasia (type II) (author's transl)] Morizane H. **Acta Soc Ophthalmol Jpn** 80(1):54–61, 10 Jan 76 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Experimental fibroplasia in the rabbit vitreous. Effects of hyaluronidase and implantation of autologous dermal tissue. Algvere P, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):133–9, 14 Apr 76
Keratoconus associated with retrolental fibroplasia. Lorfel RS, et al. **Ann Ophthalmol** 8(4):449–50, Apr 76
Working with the blind retarded child. Rogow S. **Can J Ophthalmol** 11(2®760521–760610–2):16–21, Apr 76

DIAGNOSIS

Retrolental fibroplasia or congenital encephalo-ophthalmic dysplasia? Svedbergh B. **Acta Paediatr Scand** 64(6):891–4, Nov 75
Retinopathy of prematurity and retinal detachment. Harris GS. **Can J Ophthalmol** 11(1):21–25, Jan 76
[Retrolental fibroplasia – ophthalmic and neurologic findings] Zouharová M, et al. **Cesk Oftalmol** 32(1):13–21, Jan 76 (Eng. Abstr.) **(Cze)**
[Retrolental fibroplasia in outpatient observation] Szostakiewicz-Sawicka H, et al. **Klin Oczna** 45(8):915–20, Aug 75 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Current status of role of oxygen in retrolental fibroplasia. Patz A. **Invest Ophthalmol** 15(5):337–9, May 76

HISTORY

History of oxygen therapy and retrolental fibroplasia. Prepared by the American Academy of Pediatrics, Committee on Fetus and Newborn with the collaboration of special consultants. James S, et al. **Pediatrics** 57(suppl 2):591–642, Apr 76

PHYSIOPATHOLOGY

Hemorheological changes in experimental retrolental fibroplasia. Lemmingson W. **Biorheology** 13(2):97–9, Apr 76

RETROPERITONEAL FIBROSIS

Retroperitoneal fibrosis—a review. Peterson AS. **Pa Med** 78(10):63–4, Oct 75
[Spontaneous favorable outcome of peri-aneurysmal retroperitoneal fibrosis] Bouffioux C. **Acta Urol Belg** 43(1):47–52, Jan 75 (Eng. Abstr.) **(Fre)**
[The retropenitoneal fibrosis (septennial observation of a female patient) (author's transl)] Labitzke R, et al. **Urologe [A]** 14(5):238–9, Sep 75 (Eng. Abstr.) **(Ger)**
[Fever, anemia, leukemoid reaction and abdominal tumor: retroperitoneal rhabdomyosarcoma] Okuda K, et al. **Jpn J Clin Med** Spec No:890–1, 1338–41, 10 Apr 75 **(Jpn)**

CHEMICALLY INDUCED

Letter: Retroperitoneal fibrosis and methyldopa. Flynn JJ 3d, et al. **N Engl J Med** 295(2):112, 8 Jul 76
[Retroperitoneal fibrosis and ergot derivatives. Ophthalmological adverse effects] Vérin P, et al. **Bull Soc Ophtalmol Fr** 74(3):281–6, Mar 74 **(Fre)**
[New concepts in the treatment of retro-peritoneal fibrosis induced by methysergide] Paccalin J, et al. **Therapie** 31(2):231–9, Mar–Apr 76 (Eng. Abstr.) **(Fre)**
[Ergotamine abuse and retroperitoneal fibrosis (author's transl)] Hofstädter F. **Zentralbl Allg Pathol** 120(2):83–7, 1976 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Occlusive phlebitis in multifocal fibrosclerosis. Meyer S, et al. **Am J Clin Pathol** 65(3):274–83, Mar 76
Testicular involvement in the retroperitoneal fibrosis syndrome. Fraser I. **Br J Surg** 63(2):107–9, Feb 76
Orbital involvement in retroperitoneal fibrosis (morbus Ormond). Früh D, et al. **Mod Probl Ophthalmol** 14:651–6, 1975
[Unusual developmental aspects of retroperitoneal fibrosis] Declercq M, et al. **Acta Urol Belg** 43(1):43–6, Jan 75 **(Fre)**
[Cauda equina syndrome during retroperitoneal fibrosis: discovery of another coincidental etiology] Schoen E, et al. **Ann Med Interne (Paris)** 126(4):297–302, Apr 75 **(Fre)**
[Retroperitoneal fibrosis with cholestatic onset 4 years before malignant lymphoma] Girot R, et al. **Arch Fr Pediatr** 32(9):871–8, Nov 75 (Eng. Abstr.) **(Fre)**
[A difficult case of chronic renal insufficiency due to retroperitoneal sclerosis. Value of surgery] Suhler A, et al. **J Urol Nephrol (Paris)** 81(7–8):621–4, Jul–Aug 75 **(Fre)**
[Periarteritis nodosa of the hepatic type with Australia antigen and retroperitoneal fibrosis] Paris JC, et al. **Lille Med** 20(9):846–51, Nov 75 **(Fre)**
[Problem of intestinal compression due to retroperitoneal fibrosis] Wagenknecht LV. **Chirurg** 46(10):473–5, Oct 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Discussion of the report on 'Retroperitoneal fibrosis'] Dimopoulos C, et al. **Acta Urol Belg** 43(1):29–34, Jan 75 (Eng. Abstr.) **(Fre)**
[Clinical and radiological symptomatology of idiopathic retroperitoneal fibrosis] Vanwelkenhuyzen P, et al. **Acta Urol Belg** 43(1):21–8, Jan 75 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Trial corticoid therapy in the treatment of retroperitoneal fibrosis] Declercq M, et al. **Acta Urol Belg** 43(1):53–9, Jan 75 **(Fre)**

ETIOLOGY

Localized ureteral fibrosis: an unrecognized complication of radiation therapy for prostatic carcinoma. Jacobs JA, et al. **J Urol** 115(5):610–1, May 76
[Retroperitoneal fibrosis and aneurysm of the abdominal aorta. Discussion of the report] Bouffioux C. **Acta Urol Belg** 43(1):35–42, Jan 75 (Eng. Abstr.) **(Fre)**
[Pathogenesis of the extravasation of urine into the renal sinus and the perinephric and periureteral cellular tissue] Pytel' IuA. **Urol Nefrol (Mosk)** (4):25–30, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Scully RE, et al. **N Engl J Med** 294(13):712–20, 25 Mar 76
[Retroperitoneal fibrosis] Heinrichs HJ. **Z Urol Nephrol** 68(4):283–6, Apr 75 **(Ger)**

[Mesenteric lipodystrophy as a variant of Ormond's disease Rożynek M. **Patol Pol** 26(4):525–8, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

[Retroperitoneal fibrosis of inflammatory nature] Staroslawski R. **Wiad Lek** 28(24):1083–6, 15 Dec 75 **(Pol)**

RADIOGRAPHY

Peritoneal tuberculosis with ureteric obstruction, mimicking retroperitoneal fibrosis. Bentley PG, et al. **Br J Urol** 48(3):170, Jun 76

Venacavography, corticosteroids and surgery in the management of idiopathic retroperitoneal fibrosis. Kearney GP, et al. **J Urol** 115(1):32–5, Jan 76

Case profile: retroperitoneal fibrosis. Milleman LA, et al. **Urology** 7(4):436–7, Apr 76

[The valence of radiodiagnostic methods for retroperitoneal fibrosis (author's transl)] Wagenknecht LV, et al. **Munch Med Wochenschr** 117(46):1835–8, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Radiologic diagnosis of retroperitoneal fibrosis (author's transl)] Wagenknecht LV, et al. **Roentgenblaetter** 28(7):321–7, Jul 75 (Eng. Abstr.) **(Ger)**

SURGERY

[Surgical treatment of idiopathic retroperitoneal liposclerosis] Brisset JM, et al. **Nouv Presse Med** 5(6):349–52, 7 Feb 76 **(Fre)**

[Case of Ormond's disease] Panecka A, et al. **Pol Przegl Chir** 48(5):623–6, 1976 (Eng. Abstr.) **(Pol)**

THERAPY

Retroperitoneal fibrosis. A follow–up assessment of surgical and medical treatment in 29 patients. pp. 170–82. Joekes AM, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.

Medical therapy in idiopathic retroperitoneal fibrosis. Ochsner MG, et al. **J Urol** 114(5):700–4, Nov 75

RETROPERITONEAL NEOPLASMS

Retroperitoneal liposarcoma. Moulik BK, et al. **Aust NZ J Surg** 46(1):80–3, Feb 76

Primary retroperitoneal seminoma. Report of a case and review of the literature. Das S, et al. **Cancer** 36(2):595–8, Aug 75

Teratomas in children. Rau JB, et al. **Indian J Pediatr** 42(331):231–4, Aug 75

Retroperitoneal liposarcoma. A case report. Kher YR, et al. **J Postgrad Med** 21(4):185–7, Oct 75

Late recurrence of testicular tumor (choriocarcinoma). Waldbaum RS, et al. **J Urol** 116(2):261–2, Aug 76

Phaeochromocytoma in childhood. A case report. Wolf RL, et al. **S Afr Med J** 49(36):1477–80, 23 Aug 75

Retroperitoneal cystic lymphangioma. Kalish M, et al. **Urology** 6(4):503–6, Oct 75

[Retroperitoneal mesenchymomas. Remarks apropos of 19 cases] Vayre P, et al. **J Chir (Paris)** 109(5–6):591–600, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Giant dermoid cyst of the retroperitoneal space] Kasatkin VF. **Khirurgiia (Mosk)** (4):125–7, Apr 76 **(Rus)**

[Teratoma of the posterior mediastinum and retroperitoneal space] Malyshev IuI, et al. **Vestn Khir** 114(2):125, Feb 75 **(Rus)**

[Giant ganglioneuroma of the retroperitoneal space] Vasiutkov VIa, et al. **Vestn Khir** 114(2):133–6, Feb 75 **(Rus)**

[Retroperitoneal tumors in gynecology] Marquez J, et al. **Rev Chil Obstet Ginecol** 40(3):127–32, 1975 **(Spa)**

BLOOD

Association of endodermal sinus tumour, testicular teratoma and alpha1–fetoprotein. Gariépy G, et al. **Can Med Assoc J** 115(3):223–6, 7 Aug 76

COMPLICATIONS

A retroperitoneal cystic leiomyosarcoma spontaneously draining into the stomach. Hoefflin SM, et al. **Am J Surg** 132(3):387–9, Sep 76

Neurofibrosarcoma complicating von Recklinghausen's disease. Hunt K, et al. **J Ky Med Assoc** 74(7):346–9, Jul 76

Medical grand rounds from Touro Infirmary: Pure red cell aplasia in a cyclophosphamide–treated man with lymphoma, neurilemoma and lymphangioma. Jacobs S. **J La State Med Soc** 127(7):263–9, Jul 75

Peripelvic extravasation, urinoma formation and tumor obstruction of the ureter. Twersky J, et al. **J Urol** 116(3):305–7, Sep 76

Aortoduodenal fistula secondary to metastatic carcinoma. Angiographic demonstration. Geary SR, et al. **JAMA** 235(23k0):2520–1, 7 Jun 76

[Urinary manifestations of non–urological diseases] Dimopoulos C, et al. **Acta Urol Belg** 43(1):90–5, Jan 75 (Eng. Abstr.) **(Fre)**

[Pseudomyxoma of the abdominal cavity and retroperitoneal space] Torgunakov AP, et al. **Vestn Khir** 114(1):139–40, Jan 75 **(Rus)**

DIAGNOSIS

Striking electrocardiographic changes associated with pheochromocytoma. Masquerading as ischemic heart disease. Cheng TO, et al. **Chest** 70(03):397–9, Sep 76

Giant retroperitoneal liposarcoma in the vicinity of the right kidney. Dajani AM. **Int Surg** 60(9):489–90, Sep 75

Sarcoma resembling Burkitt's tumour. Handa VK, et al. **J Indian Med Assoc** 65(2):52–3, 16 Jul 75

Excretory urographic demonstration of ureteral displacement by sigmoid fecal impaction simulating retroperitoneal tumor. Haller JO, et al. **J Urol** 115(3):302–3, Mar 76

Retroperitoneal teratoma: historical review. Pantoja E, et al. **J Urol** 115(5):520–3, May 76

Ultrasonic evaluation of pararenal masses. Bartrum RJ Jr. **JAMA** 231(1):51–5, 6 Jan 75

B–scan ultrasound in the management of abdominal masses in children. Sanders RC. **JAMA** 231(1):81–3, 6 Jan 75

Calcified upper abdominal mass. Smith TR, et al. **NY State J Med** 76(8):1320–3, Aug 76

Retroperitoneal chemodectoma. Williams TG. **Proc R Soc Med** 68(8):519–20, Aug 75

Functioning malignant nonchromaffin paraganglioma of retroperitoneum with metastases. Weber HR, et al. **Urology** 7(6):623–7, Jun 76

[Use of gallium radioisotopes in the diagnosis of retroperitoneal neoplasms] Pavlová A, et al. **Cas Lek Cesk** 115(15):465, Apr 76 **(Cze)**

[Contribution of echotomography in the diagnosis of retroperitoneal masses] Weill F, et al. **Ann Radiol (Paris)** 18(8):763–70, Dec 75 **(Fre)**

[Echotomography of the abdomen in the radiotherapy of lymphatic, abdominal and retroperitoneal masses]A] Colagrande C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:593–5, 1975 **(Fre)**

[Retroperitoneal xanthogranuloma. Apropos of 4 cases] Arvis G, et al. **J Urol Nephrol (Paris)** 81(7–8):550–7, Jul–Aug 75 (20 ref.) **(Fre)**

[Exceptional retroperitoneal tumor. Ectopic spleen] Ducassou J, et al. **J Urol Nephrol (Paris)** 81(7–8):630–6, Jul–Aug 75 (28 ref.) **(Fre)**

[Gynecological aspects of retroperitoneal diseases (author's transl)] Jaluvka V. **Arch Gynaekol** 220(3):257–73, 5 Mar 76 (Eng. Abstr.) **(Ger)**

[Retroperitoneal hemangiopericytoma] Bittner R, et al. **Chirurg** 47(6):351–4, Jun 76 **(Ger)**

[Letter: Moberg's ninhydrin sweat test for the diagnosis of retroperitoneal lymph–node tumors and pancoast syndromes] Mohr B. **Dtsch Med Wochenschr** 101(27):1041, 2 Jul 76 **(Ger)**

[The value of ninhydrine perspiration test according to Moberg for the diagnosis of retroperitoneal lymph–node malignomas (author's transl)] Krüger HG, et al. **Radiol Diagn (Berl)** 15(5):609–14, 1974 (Eng. Abstr.) **(Ger)**

[Value and limits of different method in diagnosis and differential diagnosis of retroperitoneal tumors within the lymphatic systems (author's transl)] Elke M, et al. **Radiologe** 15(10):377–89, Oct 75 (Eng. Abstr.) **(Ger)**

[A case of Franklin disease—gamma heavy chain disease] von Baehr R, et al. **Z Gesamte Inn Med** 30(1):28–31, 1 Jan 75 (Eng. Abstr.) **(Ger)**

[A case of retroperitoneal tumor with an osteoid–productive structure. Clinical and histogenetic considerations] Pugno V, et al. **Ann Ital Chir** 47(5):511–20, 1975 **(Ita)**

[Retroperitoneal neoplasms of the small pelvis] Nazarov VG, et al. **Akush Ginekol (Mosk)** (8):61–2, Aug 75 **(Rus)**

[Rare diseases of the abdominal organs simulating malignant tumors] Daniel'–Bek KV. **Khirurgiia (Mosk)** (4):31–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Cavernous lymphangioma of the retroperitoneal space] Kudriashov VI, et al. **Khirurgiia (Mosk)** (8):118–9, Aug 75 **(Rus)**

[Neurilemmoma of the retroperitoneal space simulating kidney cyst] Pivovarov PI, et al. **Klin Khir** (7):61, Jun 75 **(Rus)**

[Laparoscopy in diagnosis of retroperitoneal non–organ tumors] Shafir II, et al. **Sov Med** (8):145–6, Aug 75 **(Rus)**

[Metastatic tumors of the retroperitoneal space] Sergeev SI, et al. **Vopr Onkol** 22(5):32–7, 1976 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Clinical and theoretical aspects of the treatment of surgically unresectable retroperitoneal malignancy with combined intra–arterial actinomycin–D and radiotherapy. Wiley AL Jr, et al. **Cancer** 36(1):107–22, Jul 75

[Description of a case of acute neurological toxicity after DTIC–adriamycin–vincristine therapy (author's transl)] Rosso R, et al. **Tumori** 61(3):313–4, May–Jun 75 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Retroperitoneal germinoma marked by elevated serum lactic dehydrogenase. Kadish SP, et al. **Cancer** 37(2):931–4, Feb 76

FAMILIAL & GENETIC

Neuroblastoma in father and son. Arenson EB Jr, et al. **JAMA** 235(7):727–9, 16 Feb 76

PATHOLOGY

An autopsy case of liposarcoma with granulocytic leukemoid reaction. Matsumoto M, et al. **Acta Pathol Jpn** 26(3):399–408, May 76

Pelvic hemangiopericytoma. Report of 4 patients and review of the literature. Wilbanks GD, et al. **Am J Obstet Gynecol** 123(6):555–69, 15 Nov 75

Ganglioneuroblastoma associated with malignant mesenchymoma. Naka A, et al. **Cancer** 36(3):1050–6, Sep 75

Two cases of mélanose neurocutanée with development of malignant melanoma: a microspectrophotometric and electron microscopic study. Ishikawa T, et al. **Gann** 66(3):277–89, Jun 75

Seminoma appearing as a retroperitoneal mass associated with a testicular scar. Cohen EM. **J Am Osteopath Assoc** 75(9):820–5, May 76

Retroperitoneal ganglioneuroblastoma: a kaleidoscope of neuronal degeneration. A light and electron microscopic study. Powers JM, et al. **J Neuropathol Exp Neurol** 35(1):14–25, Jan 76

[The clinical significance of extratesticular originating tumors (author's transl)] Rahlf G, et al. **Urologe [A]** 15(2):87–90, Mar 76 (Eng. Abstr.) **(Ger)**

[A primary retroperitoneal mesodermal mixed–cell tumor? (author's transl)] Pantucek F, et al. **Zentralbl Allg Pathol** 118(6):533–7, 1974 (Eng. Abstr.) **(Ger)**

[Retroperitoneal benign schwannoma: report of a case (author's transl)] Horie M, et al. **Jpn J Urol** 67(6):473–80, Jun 76 (Eng. Abstr.) **(Jpn)**

[Chyloperitoneum in a patient with pancreatic carcinoma infiltrating the retroperitoneal space] Muszyński M, et al. **Pol Przegl Chir** 48(2):171–4, Feb 76 (Eng. Abstr.) **(Pol)**

[Fibroxanthoma retroperitonei] Biernat S. **Wiad Lek** 29(9):845–8, 1 May 76 (Eng. Abstr.) **(Pol)**

[Polycystic neurinoma of the retroperitoneal space] Nikishenko AA. **Khirurgiia (Mosk)** (9):125, Sep 75 **(Rus)**

[Extra–adrenal pheochromocytoma (one case)] Dryshak VI. **Vopr Onkol** 21(12):75–6, 1975 **(Rus)**

PHYSIOPATHOLOGY

Opsoclonus. Pattern of regression in a child with neuroblastoma. Savino PJ, et al. **Br J Ophthalmol** 59(12):696–8, Dec 75

[Hematopoiesis in children with retroperitoneal neurogenic tumors] Bukhny AF, et al. **Vopr Onkol** 22(2):36–40, 1976 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Arteriography of retroperitoneal lymphoma. Levin DC, et al. **Am J Roentgenol** 126(2):368–75, Feb 76

Angiography of retroperitoneal tumors. A review. Damascelli B, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):565–70, Aug 75

[Cancers of the kidney and renal bed with digestive manifestations] Laval–Jeantet M, et al. **Ann Radiol (Paris)** 18(7):733–7, Nov 75 **(Fre)**

[Cystic retroperitoneal lymphangioma with chylous content opacified by lymphangiography. Apropos of a case] Mouchet A, et al. **Chirurgie** 101(1):68–73, 15–29 Jan 75 **(Fre)**

[Selective arteriography of the small branches of the abdominal aorta] Roversi R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:686–8, 1975 **(Fre)**

[Primary retroperitoneal tumors. Symptoms–diagnosis—therapy] Schumpelick V, et al. **Chirurg** 47(7):384–91, Jul 76 (Eng. Abstr.) **(Ger)**

[Radiological diagnostic of retroperitoneal extrarenal tumors in childhood (author's transl)] Benz G, et al. **Radiologe** 15(7):257–68, Jul 75 (Eng. Abstr.) **(Ger)**

[Contribution to the radiological diagnosis of primary retroperitoneal sarcomas in adults (author's transl)] Heuch F, et al. **Radiologe** 15(7):287–96, Jul 75 (Eng. Abstr.) **(Ger)**

[Radiological studies of intra–abdominal swellings] Iacobellis D. **Minerva Med** 66(62):3210–9, 22 Sep 75 **(Ita)**

[Study of the retroperitoneal lymphatic spread of müllerian ovarian carcinoma, using lymphography] Musumeci R, et al. **Tumori** 61(2):151–62, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[3 cases of primary retroperitoneal tumors] Hartel–Ulkowska N, et al. **Pol Przegl Radiol** 39(3):347–55, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Abdominal aortography in retroperitoneal neurogenic tumors in children] Nurgaliev ZB?Bukhny AF. **Pediatriia** (6):24–6, Jun 75 **(Rus)**

[Lymphangioadenography in the diagnosis of retroperitoneal tumors] Galaĭko GM. **Vestn Khir** 115(10):41–46, OCT 75 (Eng. Abstr.) **(Rus)**

[Retroperitoneal pelvic tumors of nongynecologic origin] Segovia SP, et al. **Rev Chil Obstet Ginecol** 40(3):142–8, 1975 **(Spa)**

RADIOTHERAPY

[Sonographic and roentgenologic course controls following radiotherapy of retroperitoneal neoplasms] Heckemann R, et al. **Strahlentherapie** 152(2):149–54, Aug 76 (Eng. Abstr.) **(Ger)**

SECRETION

[Secreting paragangliomas of the organ of Zuckerkandl. A report on two cases (author's transl)] Tongio J, et al.

J Radiol Electrol Med Nucl 57(6–7):521–5, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

SURGERY

Retroperitoneal teratoma: case report. Teri EM. **East Afr Med J** 53(2):115–8, Feb 76

Chylous ascites following retroperitoneal lymphadenectomy. Bigley HA Jr, et al. **J Urol** 114(6):948–50, Dec 75

Re–exploration for retroperitoneal lymph node metastases from testis tumors. Comisarow RH, et al. **J Urol** 115(5):569–71, May 76

Retroperitoneal lymphadenectomy as adjunctive therapy in selected cases of advanced testicular carcinoma. Johnson DE, et al. **J Urol** 116(1):66–8, Jul 76

Recurrent xanthogranuloma (malignant fibrous histiocytoma). Ellis H. **Proc R Soc Med** 68(9):597–8, Sep 75

Ganglioneuroma: report of a case. Durham HB. **Rocky Mt Med J** 73(4):201–2, Jul–Aug 76

[Retroperitoneal diseases and geriatric–gynecologic laparatomy (author's transl)] Jaluvka V. **Geburtshilfe Frauenheilkd** 36(5):409–15, May 76 (Eng. Abstr.) **(Ger)**

[Therapeutic observations in 10 cases of neuroblastoma] Scotta ms, et al. **Pediatria (Napoli)** 83(4):743–52, 31 Dec 75 (Eng. Abstr.) **(Ita)**

[Rarely encountered benign retroperitoneal tumors of the pelvis, hibernomas] Tolstopiatov BA, et al. **Vestn Khir** 115(10):134–136, OCT 75 **(Rus)**

THERAPY

Preoperative vascular embolization as an adjunct to successful resection of large retroperitoneal hemangiopericytoma. Smith RB, et al. **J Urol** 115(2):206–8, Feb 76 (12 ref.)

Retroperitoneal liposarcoma in a child. Peeples WJ, et al. **Urology** 7(1):89–92, Jan 76

VETERINARY

Neuroblastoma in the dog. Kelly DF. **J Pathol** 116(4):209–12, Aug 75

Bilateral retroperitoneal lipomata in a neonatal calf. Ikede BO. **Vet Rec** 98(14):280, 3 Apr 76

RETROPERITONEAL SPACE

Crohn's disease of the colon. V. Retroperitoneal lumbocrural abscess in Crohn's disease involving the colon. Greenstein AJ, et al. **Am J Gastroenterol** 64(4):306–18, Oct 75

A feasibility study for percutaneous retroperitoneal lymph node biopsy. Wallace S, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):334–9, Sep 75

Retroperitoneal air dissection associated with mechanical ventilation. Powner DJ, et al. **Chest** 69(6):739–42, Jun 76

Retroperitoneal emphysema from colonoscopy of the distal limb of a Hartmann colostomy. Gordon MJ. **Gastrointest Endosc** 22(2):101–2, Nov 75

Retroperitoneal xanthogranuloma—a case report. Patil SD, et al. **Indian J Cancer** 12(1):107–11, Mar 75

Complementary retroperitoneal lavage. Vankemmel M. **Int Surg** 61(1):46–8, Jan 76

Retroperitoneal tuberculous lymphadenitis: lymphographic changes simulating metastatic disease. Report of a case. Prager PJ, et al. **J Belge Radiol** 59:139–42, Mar–Apr 76

Renal trauma and retroperitoneal hematomas–indications for exploration. Holcroft JW, et al. **J Trauma** 15(12):1045–52, Dec 75

A renal cause for massive retroperitoneal hemorrhage—renal angiomyolipoma. Beh WP, et al. **J Urol** 116(3):372–4, Sep 76

Gallium–67 scintigraphy for the diagnosis and localization of perinephric abscesses. Hopkins GB, et al. **J Urol** 115(2):126–8, Feb 76

Pancreatic pseudocysts presenting as thick–walled renal and perinephric cysts. Lilienfeld RM, et al. **J Urol** 115(2):123–5, Feb 76

Diagnosis of retroperitoneal fluid collections by ultrasonography: a series of surgically proved cases. McCullough DL, et al. **J Urol** 115(6):656–9, Jun 76

Retroperitoneal fat necrosis producing ureteral obstruction. Ross JS, et al. **J Urol** 115(5):524–9, May 76

Inferior vena cava obstruction in Whipple disease. Association with retroperitoneal lymphadenopathy. Maas LC, et al. **JAMA** 236(7):856–7, 16 Aug 76

Venography of the left renal and left gonadal veins as a supplement of lymphography. Report of four cases. Kolbenstvedt A, et al. **Lymphology** 9(1):23–8, Mar 76

Retroperitoneal mesonephric cyst: case report. Bhattacharyya R. **NZ Med J** 82(549):232–4, 8 Oct 75

Renal angiomyolipoma (hamartoma). Profuse retroperitoneal hemorrhage caused by benign kidney tumour. Hoel R, et al. **Scand J Urol Nephrol** 10(2):165–9, 1976

The syndrome of retroperitoneal hemorrhage and lumbar plexus neuropathy during anticoagulant therapy. Chiu WS. **South Med J** 69(5):595–9, May 76

Renal carbuncle: early diagnosis by retroperitoneal ultrasound. Gelman ML, et al. **Urology** 7(1):103–7, Jan 76

Case profile: calcified parasite in retroperitoneum. Warner RS, et al. **Urology** 7(2):214–5, Feb 76

[Spontaneous hemothorax associated with a retroperitoneal hematoma during acute renal insufficiency. Apropos of 2 cases] Carli A, et al. **Ann Med Interne (Paris)** 126(12):857–60, Dec 75 **(Fre)**

[A rare type of retroperitoneal tumor: xanthogranuloma] Mazingarbe A, et al. **Chirurgie** 101(2):168–73, 5–19 Feb 75 (Eng. Abstr.) **(Fre)**

[Retroperitoneal hematomas] Chatelain C, et al. **J Chir (Paris)** 110(1–2):105–30, Jul–Aug 75 **(Fre)**

[Retroperitoneal enteroid cyst] Patel JC, et al. **J Chir (Paris)** 109(4):457–64, Apr 75 (Eng. Abstr.) **(Fre)**

[Retroperitoneal effusion of urine. A rare complication of surgical treatment of calculi of the lumboiliac ureter] Dufour B, et al. **J Urol Nephrol (Paris)** 81(1–2):72–6, Jan–Feb 75 **(Fre)**

[Retroperitoneal hematoma caused by rupture of an aneurysm of the renal artery trunk. Survival] Guillou ML, et al. **J Urol Nephrol (Paris)** 81(10–11):785–91, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Angiographic diagnosis of paraduodenal hernia (author's transl)] Wenz W, et al. **Dtsch Med Wochenschr** 100(38):1902–4, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Primary retroperitoneal cysts] Darewicz J, et al. **Pol Przegl Chir** 47(8):1005–7, Aug 75 (Eng. Abstr.) **(Pol)**

[Tuberculous retroperitoneal lymph nodes simulating an abdominal neoplasm] Kardaszewicz S, et al. **Pol Tyg Lek** 31(6):233–4, 9 Feb 76 (Eng. Abstr.) **(Pol)**

[Case of foreign body penetrating from the duodenum into the retroperitoneal space] Nomańczuk N. **Wiad Lek** 29(9):837–9, 1 May 76 (Eng. Abstr.) **(Pol)**

[Surgical tactics in retroperitoneal ruptures of the duodenum] Shataliuk BP, et al. **Klin Khir** (12):54–5, Dec 75 **(Rus)**

[Huge cyst of the spermatic cord passing into the retroperitoneal space] Pravda VA, et al. **Urol Nefrol (Mosk)** (4):63–4, Jul–Aug 75 **(Rus)**

ANATOMY & HISTOLOGY

[Reactive changes in the retroperitoneal brown fatty tissue in rats after adrenalectomy] Truupyl'd AIu, et al. **Arkh Anat Gistol Embriol** 69(9):77–83, Sep 75 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Selective arteriography of the small branches of the abdominal aorta] Roversi R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:686–8, 1975 **(Fre)**

[Variations of vessels in the retroproteneal space] Klima M, et al. **Anat Anz** 138(1–2):56–61, 1975 **(Ger)**

[Adrenal veins and their connection with retroperitoneal vessels in man] Sapin M. **Verh Anat Ges** 68:549–53, 1974 (Eng. Abstr.) **(Ger)**

INJURIES

Masquerade with mediastinal pleural fluid. Roghair GD, et al. **JAMA** 233(10):1086–8, 8 Sep 75

RADIOGRAPHY

Pseudo–retroperitoneal gas in rupture of aneurysm of abdominal aorta. Nichols GB, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):134–7, Sep 75

SURGERY

Anterior approach to the thoracolumbar spine: technical considerations. Burrington JD, et al. **Arch Surg** 111(4):456–63, Apr 76

Prognosis for pathologic stage I non–seminomatous germ cell tumors of the testis managed by retroperitoneal lymphadenectomy. Johnson DE, et al. **J Urol** 116(1):63–5, Jul 76

[Results of retroperitoneal lymph node removal in testicular teratocarcinoma] Schmucki O, et al. **Helv Chir Acta** 43(3):357–61, Jul 76 **(Ger)**

RETROPROGESTAGEN see under **PREGNENEDIONES**

RETROSPECTIVE STUDIES

Regression analysis of the log odds ratio: a method for retrospective studies. Breslow N. **Biometrics** 32(2):409–16, JUN 76

Letter: The retrospective study. Anderson TW, et al. **Can Med Assoc J** 114(1):13, 10 Jan 76

REVERIN see **ROLITETRACYCLINE**

REVERSAL LEARNING

Comparison of the septal lesion effects on visual and spatial discriminations in rats. Dąbrowska J, et al. **Acta Neurobiol Exp (Warsz)** 35(3):255–74, 1975

Effects of letter–reversals training on the discrimination performance of EMR children. Evans RA, et al. **Am J Ment Defic** 80(1):99–108, Jul 75

Learning deficits in rats with malnourished grandmothers. Bresler DE, et al. **Dev Psychobiol** 8(4):315–23, Jul 75

Olfactory discrimination, reversal learning, and stimulus control in rats. Nigrosh BJ, et al. **J Comp Physiol Psychol** 89(4):285–94, Jun 75

Effects of novel irrelevant cues on brightness discrimination reversal in rats. Hartel F, et al. **Psychol Rep** 37(3 PT 2):1223–6, Dec 75

[Reversal of signal significance of stimuli in the avoidance reflex] Zelin'ski K. **Zh Vyssh Nerv Deiat** 25(4):706–15, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of age of habit on susceptibility to cycloheximide–induced amnesia in mice. Quartermain D, et al. **J Comp Physiol Psychol** 89(7):803–9, Sep 75

PHYSIOLOGY

Effects of partial prefrontal lesions in dogs on go–no go avoidance reflex differentiation and reversal learning. Kowalska D, et al. **Acta Neurobiol Exp (Warsz)** 35(5–6):549–80, 1975

Position reversal deficit in young ferrets. Haddad R, et al. **Dev Psychobiol** 9(4):311–4, JUL 76

Interactive effects of training condition and septal lesions on perseverative responding in the rat. Atta LV, et al. **J Comp Physiol Psychol** 89(5):421–6, Jul 75

The effects of electrical (blocking) stimulation to the dentate of the rat on learning of a simultaneous brighteness discrimination and reversal. Livesey PJ, et al. **Neuropsychologia** 13(4):395–407, Oct 75

Variability and discrimination reversal learning in the open field following septal lesions in rats. Cherry CT. **Physiol Behav** 15(6):641–6, Dec 75

Effects of dorsomedial thalamic lesions on spatial discrimination reversal in the rat. Means LW, et al. **Physiol Behav** 14(6):725–9, Jun 75

[The effect of striatectomy on retraining rats to an avoidance habit in a U–shaped maze] Arushanian EB, et al. **Biull Eksp Biol Med** 80(11):5–8, Nov 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Teratology, survival, and reversal learning after fetal irradiation of mice by 2450–MHz microwave energy. Chernovetz ME, et al. **J Microwave Power** 10(4):391–409, Dec 75

REVERSE TRANSCRIPTASE

Reverse transcriptase. Wu AM, et al. **CRC Crit Rev Biochem** 3(3):289–347, Dec 75 (437 ref.)

Reverse transciptase activity associated with R–type virus–like particles of SV40–transformed hamster cells (TSV5 clone 2). Rossignol JM, et al. **Intervirology** 5(5):273–92, 1975

Characteristics of the major internal protein and RNA–dependent DNA polymerase of bovine leukaemia virus. Gilden RV, et al. **J Gen Virol** 29(3):305–14, Dec 75

Purification and properties of spleen necrosis virus DNA polymerase. Mizutani A, et al. **J Urol** 16(4):797–806, Oct 75

Further characterization of the Friend murine leukemia virus reverse transcriptase–RNase H complex. Moelling K. **J Virol** 18(2):418–25, May 76

Thermolabile reverse transcriptase of a mammalian leukemia virus mutant temperature sensitive in its replication and sarcoma virus helper functions. Tronick SR, et al. **J Virol** 16(6):1476–82, Dec 75

Purification and properties of murine mammary tumor virus DNA polymerase. Marcus SL, et al. **Virology** 71(1):242–54, May 76

[RNA–directed DNA synthesis in vitro: detection of polydeoxyadenylate in DNA, complementary to antimessenger–DNA] Frolova LIu, et al. **Dokl Akad Nauk SSSR** 225(6):1442–5, 21 Dec 75 **(Rus)**

ANALYSIS

Biochemical approaches to detection of viral related information in human acute leukemic cells. Sarin PS, et al. **Bibl Haematol** (40):463–70, 1975

Essential arginyl residues in reverse transcriptase. Borders CL Jr, et al. **Biochem Biophys Res Commun** 66(2):490–5, 16 Sep 75

Two active forms of RD–114 virus DNA polymerase in infected cells. Gerwin BI, et al. **Cell** 6(1):45–52, Sep 75

Analysis of platelets from patients with thrombocythemia for reverse transcriptase and virus–like particles. Brodsky I, et al. **J Natl Cancer Inst** 55(5):1069–74, Nov 75

Intracisternal A particles from FLOPC–1 BALB/c myeloma: presence of high–molecular–weight RNA and RNA–dependent DNA polymerase. Krueger RG. **J Virol** 18(2):745–56, May 76

ANTAGONISTS & INHIBITORS

Removal of inhibitors of particulate reverse transcriptase in human milk. Sanner T. **Anal Biochem** 71(1):304–7, Mar 76

Studies on the mechanism of action of ammonium–5–tungsto–2–antimoniate (HPA 23). Raybaud N, et al. **Bibl Haematol** (43):504–7, Oct 75

Removal of inhibitors against RNA–directed DNA polymerase activity in human milk. Sanner T. **Cancer Res** 36(2 Pt 1):405–8, Feb 76

Inhibition of mammalian and oncornavirus nucleic acid polymerase activities by alkoxybenzophenanthridine alkaloids. Sethi VS. **Cancer Res** 36(7 PT 1):2390–5, Jul 76

Mechanism of inhibition of RNA tumor virus reverse transcriptase by rifamycin SV derivatives. pp. 273–91. Gurgo C, et al. **In: Kolber AR, ed. Tumor virus–host cell interaction. New**

York, Plenum Press, 1975. QZ 200 N105t 1973.

Selective use of antiviral inhibitors: interferon, its inducers, and blockade of viral-reverse transcriptase. pp. 131-5. Carter WA, et al.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.

Revistin found by screening for inhibitors of reverse transcriptase of an oncogenic virus. Numata M, et al. **J Antibiot (Tokyo)** 28(10):757-63, Oct 75

Inhibition of purified DNA polymerase of RNA tumor viruses by fluoranthene derivatives and analogues of tilorone hydrochloride. Green M, et al. **J Natl Cancer Inst** 55(2):433-42, Aug 75

Inhibition of RNA-directed DNA polymerase by aurintricarboxylic acid. Givens JF, et al. **Nucleic Acids Res** 3(2):405-18, Feb 76

BIOSYNTHESIS

Infectious DNA coding for a temperature-sensitive DNA polymerase of the coordinate LA335 mutant of Rous sarcoma virus (RSV). Hillova J, et al. **Virology** 67(1):292-6, Sep 75

Murine sarcoma virus defectiveness. Viral polymerase expression murine and nonmurine host cells transformed by S+L-type murine sarcoma virus. Peeples PT, et al. **Virology** 67(2):344-55, Oct 75

BLOOD

Reverse transcriptase in leukocytes of leukemic patients in remission. Viola MV, et al. **N Engl J Med** 294(2):75-80, 8 Jan 76

[Extracellular occurrence of reverse transcriptases in human malignant diseases (author's transl)] Rainer H, et al. **Osterr Z Onkol** (1):23-4, 1974 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Inhibition of reverse transcriptases of primate type C viruses by 7S immunoglobulin from patients with leukaemia. Prochownik EV, et al **Nature** 260(5546):64-7, 4 Mar 76

ISOLATION & PURIFICATION

Elimination of residual RNase activity from purified preparations of RNA-directed DNA polymerase. Collett MS, et al. **Biochem Biophys Res Commun** 67(3):946-55, 1 Dec 75

A comparative evaluation of methods for isolation of RNA-directed DNA polymerase from cells in a reconstituted system. Allaudeen HS, et al. **Biochim Biophys Acta** 435(1):45-62, 2 Jun 76

Reverse transcriptase and RNase H: present in a murine virus and in both subunits of an avian virus. Moelling K. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:969-73, 1975

Purification of form AI and AII DNA-dependent RNA polymerases from rat-liver nucleoli using low-ionic-strength extraction conditions. Coupar BE, et al. **Eur J Biochem** 59(1):25-34, 1 Nov 75

RNA-dependent DNA polymerase from a cell line derived from the bone marrow of a patient with polycythemia vera. Weimann BJ, et al. **Eur J Biochem** 59(2):581-8, 15 Nov 75

Mechanism of release of active alpha subunit from dimeric alpha beta avian myeloblastosis virus DNA polymerase. Papas TS, et al. **J Virol** 18(3):904-10, Jun 76

Purification of RNA-instructed DNA polymerase from human leukemic spleens. Witkin SS, et al. **Proc Natl Acad Sci USA** 72(10):4133-6, Oct 75

[Study of the reproduction conditions of the avian myeloblastosis virus for separation of the 'reverse transcriptase' enzyme] Graevskaia NA, et al. **Biull Eksp Biol Med** 79(6):56-9, Jun 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Evolutionary nature of human reverse transcriptase and of viral-related DNA synthesized in vitro by human leukemic cells. Gallo RC, et al. **Bibl Haematol** (40):569-76, 1975

Comparison between an avian and a murine viral reverse transcriptase-RNase H complex. Moelling K. **Bibl Haematol** (43):121-4, Oct 75

Reverse transcriptase is coded for by the viral RNA. Verma IM, et al. **Bibl Haematol** (43):457-9, Oct 75

Template specificities of the RNA dependent DNA polymerase of different murine C-type virus particles. Kontor EJ, et al. **Biochem Biophys Res Commun** 70(4):1235-42, 21 Jun 76

On the association of reverse transcriptase with polynucleotide templates during catalysis. Dube DK, et al. **Biochemistry** 15(16):3605-11, 10 Aug 76

The synthesis and properties of the complete complementary DNA transcript of ovalbumin mRNA. Monahan JJ, et al. **Biochemistry** 15(1):223-33, 13 Jan 76

The endogenous reverse transcriptase activity of Gibbon ape lymphoma virus: characterization of the DNA product. Harewood KR, et al. **Biochim Biophys Acta** 407(1):14-23, 12 Sep 75

Ionophorous polymers. Interaction with polynucleotides and effects on RNA-directed DNA polymerase activity. Pitha J, et al. **Biochim Biophys Acta** 425(3):287-95, 17 Mar 76

Erythroid differentiation in cultured Friend leukemia cells treated with metabolic inhibitors. Ebert PS, et al. **Cancer Res** 36(5):1809-13, May 76

Template primer inactivation by cis- and trans-dichlorodiammine platinum . for human DNA polymerase alpha, beta, and Rauscher murine leukemia virus reverse transcriptase, as a mechanism of cytotoxicity. Harder HC, et al. **Cancer Res** 36(10):3821-9, Oct 76

Effects of Poly(1-vinyluracil) and Poly(9-vinyladenine) on viral RNA-directed DNA polymerase. Pitha J. **Cancer Res** 36(4):1273-7, Apr 76

Properties of oncornavirus RNA-directed DNA polymerase, the RNA template, and the intracellular products formed early during infection and cell transformation. Green M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:975-85, 1975

Role of the subunits of the avian RNA tumor virus reverse transcriptase. Panet A, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:919-23, 1975

Reverse transcriptase associated with A-type particles from murine myeloma cells. Thach RE, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:963-8, 1975

Mechanism of action of rifamazine, a member of a new class of (dimeric) rifamycins. Fietta AM, et al. **Eur J Biochem** 52(2):391-400, 17 Mar 75

The in vitro stimulation of the influenza transcriptase by ribosomes. Horisberger M. **FEBS Lett** 63(1):134-6, 15 Mar 76

Reverse transcription of a plant viral RNA. Kisselev LL, et al. **FEBS Lett** 62(1):64-8, 1 Feb 76

Temperature-sensitive DNA polymerase from Rous sarcoma virus mutants. pp. 267-72. Baltimore D, et al. **In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

Human acute leukemia: increasing evidence for involvement of type-C RNA tumor viruses. pp. 337-52. Gallo RC, et al. **In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

RNA-directed DNA synthesis in viruses and normal cells: a possible mechanism in differentiation. pp. 339-48. Kang CY, et al. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.**

On the fidelity of DNA replication. Lack of exodeoxyribonuclease activity and error-correcting function in avian myeloblastosis virus DNA polymerase. Battula N, et al. **J Biol Chem** 251(4):982-6, 25 Feb 76

On the fidelity of DNA replication. Enzyme activities associated with DNA polymerases from RNA tumor viruses. Seal G, et al. **J Biol Chem** 251(4):975-81, 25 Feb 76

Screen for type-C ribonucleic acid viruses in vaccines using the ribonucleic acid-dependent deoxyribonucleic acid polymerase assay. Milstien JB, et al. **J Clin Microbiol** 1(4):353-8, Apr 75

RNA-dependent DNA-polymerase activity in human milk. McFarlane ES, et al. **J Med Microbiol** 8(3):447-9, Aug 75

Particle-associated RNA dependent DNA polymerase and high-molecular-weight RNA in a human cell line derived from polycythemia vera bone marrow. Weimann BJ, et al. **J Natl Cancer Inst** 55(3):537-42, Sep 75

Characterization of endogenous RNA-directed DNA polymerase activity of reticuloendotheliosis viruses. Kang CY. **J Urol** 16(4):880-6, Oct 75

RNA-directed DNA polymerase activity of reticuloendotheliosis virus: characterization of the endogenous and exogenous reactions. Waite MR, et al. **J Urol** 16(4):872-9, Oct 75

Transcription of 70S RNA by DNA polymerases from mammalian RNA viruses. Abrell JW, et al. **J Virol** 16(6):1566-74, Dec 75

In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rouse sarcoma virus: lack of influence of RNase H. Collett MS, et al. **J Virol** 17(1):291-5, Jan 75

Initiation of DNA synthesis by the avian oncornavirus RNA-directed DNA polymerase: tryptophan tRNA as the major species of primer RNA. Folk WR, et al. **J Virol** 17(3):1049-51, Mar 76

Dissociation of alpha beta DNA polymerase of avian myeloblastosis virus by dimethyl sulfoxide. Grandgenett DP. **J Virol** 17(3):950-61, Mar 76

Reverse transcriptase activity per virion for avian myeloblastosis virus and Rauscher murine leukemia virus. Liebes LF, et al. **J Virol** 18(1):42-7, Apr 76

Unintegrated viral DNA is synthesized in the cytoplasm of avian sarcoma virus-transformed duck cells by viral DNA polymerase. Varmus HE, et al. **J Virol** 18(2):567-73, May 76

Mechanism of interaction of avian myeloblastosis virus reverse transcriptase with avian myeloblastosis virus RNA. Yamaura I, et al. **J Virol** 18(1):26-33, Apr 76

DNA-synthesis on giant nuclear RNA by AMV DNA polymerase. Kavsan VM, et al. **Mol Biol Rep** 2(3):203-7, Oct 75

Letter: Role of reverse transcriptase. Guyton JR. **N Engl J Med** 294(16):902-3, 15 Apr 76

Human milk samples from different ethnic groups contain RNase that inhibits, and plasma membrane that stimulates, reverse transcription. Das MR, et al. **Nature** 262(5571):802-5, 26 Aug 76

Isolation of nucleic acid-binding protein: stimulation of reverse transcriptase-catalysed DNA synthesis. Hung PP, et al. **Nature** 259(5543):499-502, 12 Feb 76

Cycling of RNA-directed DNA polymerase on natural and synthetic RNA templates. Krueger LJ, et al. **Nature** 260(5549):363-5, 25 Mar 76

Role of plasma membranes in stimulation of RNA-directed DNA synthesis. Padhy LC, et al. **Nature** 262(5571):805-7, 26 Aug 76

Type C virus in lymphosarcoma in northern pike (Esox lucius). Papas TS, et al. **Nature** 261(5560):506-8, 10 Jun 76

Transcription of single base oligonucleotides by ribonucleic acid-directed deoxyribonucleic acid polymerase. Falvey AK, et al. **Nucleic Acids Res** 3(1):79-88, Jan 76

Observations on template-specific conditions for DNA synthesis by avian myeloblastosis virus DNA polymerase. Marcus SL, et al. **Nucleic Acids Res** 3(6):1473-86, Jun 76

Poly 2'-O-ethylcytidylate, an inhibitor and poor template for AMV reverse transcriptase. Mikke R, et al. **Nucleic Acids Res** 3(6):1603-11, Jun 76

Synthesis of extensive, possibly complete, DNA copies of poliovirus RNA in high yields and at high specific activities. Kacian DL, et al. **Proc Natl Acad Sci USA** 73(7):2191-5, Jul 76

Bovine leukemia virus: an exogenous RNA oncogenic virus. Kettmann R, et al. **Proc Natl Acad Sci USA** 73(4):1014-8, Apr 76

Protein kinase and its regulatory effect on reverse transcriptase activity of Rous sarcoma virus. Lee SG, et al. **Proc Natl Acad Sci USA** 72(8):2945-9, Aug 75

Specific binding of tryptophan transfer RNA to avian myeloblastosis virus RNA-dependent DNA polymerase (reverse transcriptase). Panet A, et al. **Proc Natl Acad Sci USA** 72(7):2535-9, Jul 75

Region of immunoglobulin light-chain mRNA transcribed into complementary DNA by RNA-dependent DNA polymerase of avian myeloblastosis virus. Schechter I. **Proc Natl Acad Sci USA** 72(7):2511-4, Jul 75

Viruses, polymerases, and cancer. Baltimore D. **Science** 192(4240):632-6, 14 May 76

The DNA provirus hypothesis. Temin HM. **Science** 192(4244):1075-80, 11 Jun 76

Murine sarcoma virus defectiveness: serological detection of only helper virus reverse transcriptase in sarcoma virus rescued from nonmurine S + L-cells. Peebles PT, et al. **Virology** 70(2):313-23, Apr 76

Initiation of DNA synthesis by the avian oncornavirus RNA-directed DNA polymerase: structural and functional localization of the major species of primer RNA on the oncornavirus genome. Staskus KA, et al. **Virology** 71(1):162-8, May 76

[DNA synthesis on the heterogeneous nuclear RNA template catalysed by DNA polymerase of avian myeloblastosis virus] Kavsan VM, et al. **Mol Biol (Mosk)** 9(5):768-74, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[DNA synthesis on the heterogeneous nuclear RNA template catalysed by DNA polymerase of avian myeloblastosis virus] Kavsan VM, et al. **Mol Biol (Mosk)** 9(5):768-74, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

REVONAL see **METHAQUALONE**

REWARD

The state of pleasure and its role in instrumental conditioning. Cytawa J, et al. **Act Nerv Super (Praha)** 18(1-2):92-6, Jun 76

The token economy in the National Health Service: possibilities and limitations. Presly AS, et al. **Acta Psychiatr Scand** 53(4):258-70, Apr 76

Differential effects of four token conditions on rate and choice of responding in a matching-to-sample task. Repp AC, et al. **Am J Ment Defic** 80(1):51-6, Jul 75

Commentary on human effort. Martin AR. **Am J Psychoanal** 35(2):101-2, Summer 75

Letter: Extrinsic incentives and token-based programs. A reevaluation. Ford JD, et al. **Am Psychol** 31(1):87-92, Jan 76

Effects of vicarious reward and punishment on social imitation in chronic psychotics. Chartier GM, et al. **Behav Res Ther** 14(4):303-4, 1976

A token economy treatment of drug addiction. Eriksson JH, et al. **Behav Res Ther** 13(2-3):113-25, Jun 75

Therapeutic rationale, monetary incentive and fear behavior: a methodological note on analogue research. Hicks DA, et al. **Behav Res Ther** 14(1):83-4, 1976

Extinction, DRO, and response-cost procedures for eliminating self-injurious behavior: a case study. Myers DV. **Behav Res Ther** 13(2-3):189-91, Jun 75

Reward allocation between high and low test anxious boys. Benton AA. **Br J Soc Clin Psychol** 14(2):131-8, Jun 75

Reward related neurons in cat association cortex. Markowitsch HJ, et al. **Brain Res** 111(1):185-8, 23 Jul 76

The effects of cooperatively and competitively structured learning enironments on inter- and intrapersonal behavior. Crockenberg SB, et al. **Child Dev** 47(2):386-96, Jun 76

Effectiveness of college students in an incentive community program for chronic hospitalized patients. Bergman JS. **Community Ment Health J** 12(2):192-202, Summer 76

Token economy procedures with young and assaultive inpatients. Mann RA. **Curr Psychiatr Ther** 15:269-75, 1975

Dependence of reward contingent positive variation (RCPV) and cortical synchronization on visual input in the cat. Rick JH, et al. **Electroencephalogr Clin Neurophysiol** 41(3):301-9, Sep 76

Reward-associated excitation and pain-associated inhibition lasting seconds in rat medial pallidal units. Keene JJ.

Exp Neurol 49(1 Pt 1):97–114, Oct 75

Positive education for elderly persons. Correct eating through reinforcement. Geiger OG, et al. **Gerontologist** 14(5 pt 1):432–6, Oct 74

A review of token economy treatment programs for psychiatric inpatients. Milby JB.
Hosp Community Psychiatry 26(10):651–8, Oct 75 (40 ref.)

Role of dopamine and norepinephrine in the chemistry of reward. pp. 135–43. Fibiger HC, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975. (52 ref.)

Self-stimulation reward pathwyas: norepinephrine vs dopamine. pp. 115–24. Stein L, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Facilitation of feeding in aphagic cats by rewarding brain stimulation. pp. 215–8. Chase MH, et al.
In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.

The use of tokens to facilitate outcome and monitor process in group psychotherapy. Flowers JV, et al.
Int J Group Psychother 26(2):191–201, Apr 76

Against the odds: the results of a token economy programme with long-term psychiatric patients. Fraser D, et al.
Int J Nurs Stud 13(1):55–63, 1976

The effects of reward and punishment on reaction times and autonomic activity in hyperactive and normal children. Firestone P, et al. **J Abnorm Child Psychol** 3(3):201–16, 1975

A brief discussion of a model for improving the cost effectiveness of a token economy in a rehabilitation setting. Balcerzak WS, et al. **J Appl Behav Anal** 7(3):501–4, Fall 74

Sociometric and disruptive behavior as a function of four types of token reinforcement programs. Drabman R, et al.
J Appl Behav Anal 7(1):93–101, Spring 74

The effects of token reinforcement on the behavior of delinquents in cottage settings. Hobbs TR, et al.
J Appl Behav Anal 9(2):189–98, Summer 76

Replication of the Achievement Place model in California. Liberman RP, et al. **J Appl Behav Anal** 8(3):287–99, Fall 75

Uses of double-pulse stimulation behaviorally to infer refractoriness, summation, convergence, and transmitter characteristics of hypothalamic reward systems. Coons EE, et al. **J Comp Physiol Psychol** 90(4):317–42, Apr 76

Runway performance of rats for brain-stimulation or food reward: effects of hunger and priming. Stellar JR, et al.
J Comp Physiol Psychol 89(6):590–9, Aug 75

Beyond the token economy: a comparison of two contingency programs. Greenberg DJ.
J Consult Clin Psychol 43(4):498–503, Aug 75

Effects of contingent events on stuttering and fluency. Lanyon RI, et al. **J Consult Clin Psychol** 43(6):786–93, Dec 75

Drive and reward in an acquired-fear paradigm. Goldman JA. **J Gen Psychol** 93(First Half):123–30, Jul 75

Motivational effects of hunger on time estimation and delay of gratification in obese and nonobese boys. Sigal JJ, et al. **J Genet Psychol** 128(First Half):7–16, Mar 76

Token economies in institutional settings. Historical, political, deprivation, ethical, and generalization issues. Hersen M.
J Nerv Ment Dis 162(3):206–11, Mar 76

Reward and purpose as incentives for children differing in locus of control expectancies. Taub SI, et al. **J Pers** 43(2):179–95, Jun 75

Effects of self-esteem and expected duration of interaction on liking for a highly rewarding partner. Friedman HS.
J Pers Soc Psychol 33(6):686–90, Jun 76

Ares and Babbitt in the classroom: effects of competition and reward on children's aggression. Rocha RF, et al.
J Pers Soc Psychol 33(5):588–93, May 76

Tolerance and limited cross-tolerance to the effects of N, N-dimethyltryptamine (DMT) and lysergic acid diethylamide-25 (LSD) on food-rewarded bar pressing in the rat. Kovacic B, et al. **J Pharmacol Exp Ther** 197(3):495–502, Jun 76

Control of food aversion using a reward model. Matheson WE, et al. **J Psychiatr Nurs** 14(9):35–6, Sep 76

Verbal versus tangible reward for children who stutter. Manning WH, et al. **J Speech Hear Disord** 41(1):52–62, Feb 76

Verbal versus tangible reward for children who stutter. Manning WH, et al. **J Speech Hear Disord** 41(1):52–62, Feb 76

A tangibly reinforced speech reception threshold procedure for use with small children. Martin FN, et al.
J Speech Hear Disord 41(3):333–8, AUG 76

How token economy earnings are spent. Schroeder SR, et al. **Ment Retard** 14(2):20–4, Apr 76

Variables affecting the efficacy of a token economy. Westphal CR. **Ment Retard** 13(6):32–4, Dec 75

Effect of two experimental sets on sleep structure. Bonnet MH, et al. **Percept Mot Skills** 42(2):343–50, Apr 76

Cannabis intoxication: effects of monetary incentive on performance, a controlled investigation of behavioural tolerance in moderate users of cannabis. Casswell S.
Percept Mot Skills 41(2):423–34, Oct 75

Apomorphine self-injection is not affected by alpha-methylparatyrosine treatment: support for dopaminergic reward. Baxter BL, et al.
Pharmacol Biochem Behav 4(5):611–2, May 76

The neural basis of brain-stimulation reward. Rolls ET.
Prog Neurobiol 3:73–160, 1975

Specious reward: a behavioral theory of impulsiveness and impulse control. Ainslie G. **Psychol Bull** 82(4):463–96, Jul 75 (141 ref.)

Instructions for three levels of reward and creativity test scores of college students. Cox RS, et al. **Psychol Rep** 38(2):411–4, Apr 76

Overnight decrement in maze performance of mice running for food reward. Eiserer LA, et al. **Psychol Rep** 37(2):511–4, Oct 75

Assessing the aversiveness of intracranial stimulation. Atrens DM, et al. **Psychopharmacologia** 44(2):159–63, 31 Oct 75

Decreased intracranial self-stimulation after neuroleptics or 6-hydroxydopamine: evidence for mediation by motor deficits rather than by reduced reward. Fibiger HC, et al.
Psychopharmacologia 47(1):21–7, 5 May 76

Norepinephrine and serotonin: specificity of release with rewarding electrical stimulation of the brain. Holloway JA.
Psychopharmacologia 42(2):127–34, 28 May 75

Amphetamine and the reward system: evidence for tolerance and post-drug depression. Leith NJ, et al.
Psychopharmacologia 46(1):19–25, 1976

The effects of reward on occipital alpha facilitation by biofeedback. Brolund JW, et al. **Psychophysiology** 13(3):236–41, May 76

The effects of changes in motivation on alpha enhancement. Kondo CY, et al. **Psychophysiology** 12(4):388–9, Jul 75

The effectivenss of tokens in increasing and maintaining promptness of work groups in a sheltered workshop. Szyarto R, et al. **Rehabil Lit** 37(4):107–8, Apr 76

REYE'S SYNDROME see under **BRAIN DISEASES**

RH FACTORS see **RH-HR BLOOD-GROUP SYSTEM**

RH-HR BLOOD-GROUP SYSTEM

Distribution of ABO and Rhesus blood groups in G6PD deficient Chinese and Malay newborns. Saha N, et al.
Acta Genet Med Gemellol (Roma) 24(1–2):131–5, 1975

Genetics of the Rh-Hr locus in humans. Zaidi SS, et al.
Acta Genet Med Gemellol (Roma) 24(1–2):137–44, 1975

Blood group phenotypes and hemoglobin S. An anthropologic study in two Israeli Arab communities. Levene C, et al. **Acta Haematol (Basel)** 55(5–2):300–5, 1976

Clinical observation of the prevention of RH isoimmunization with immunoglobulin anti-D. Hisanaga S, et al.
Acta Obstet Gynaecol Jpn 21(2):97–102, Apr 74

Rh-prophylaxis with immunoglobulin anti-D administered during pregnancy and after delivery. Hermann M, et al.
Acta Obstet Gynecol Scand [Suppl] (49):1–11, 1976

Effectiveness of prophylactic Rh immunosuppression after transfusion with D-positive blood. Bowman HS.
Am J Obstet Gynecol 124(1):80–4, 1 Jan 76

Amniotic fluid analysis in Rh-sensitized pregnancies. Duhring JL, et al. **Am J Obstet Gynecol** 125(3):368–75, 1 Jun 76

A-B-O and Rh affinities between highland and lowland Quechua-speaking Peruvian populations. Frisancho AR, et al. **Am J Phys Anthropol** 43(2):285–9, Sep 75

The frequencies of the ABO and Rh(D) blood groups in the Kurdish population of Iraq. Al-Khafaji SD, et al.
Ann Hum Biol 3(2):189–91, Mar 76

ABO and Rhesus (D) blood group results from the Isle of Mull. Cartwright RA, et al. **Ann Hum Biol** 3(3):275–7, May 76

Immunochemical studies on blood groups. Purification, chemical and immunochemical properties of blood group-active glycoproteins from horse gastric mucosae. Newman W, et al. **Arch Biochem Biophys** 172(2):510–23, Feb 76

Immunohistochemical, histochemical and autoradiographic studies on human amnions (fetal sac) in experimental serologic Rh factor incompatibility in vitro. Woźnicki J.
Arch Immunol Ther Exp (Warsz) 23(5):665–85, 1975

Isolation and purification of Rh(E) antigen. Abraham CV, et al. **Biochim Biophys Acta** 420(1):221–4, 20 Jan 76

Linkage group I: multipoint mapping. Meyers DA, et al.
Birth Defects 11(3):211–9, 1975

Linkage relationships of 1qh to Amy, Fy, PGM1, and Rh. Rivas ML, et al. **Birth Defects** 11(3):239–47, 1975

Increased potassium transport and ouabain binding in human Rhnull red blood cells. Lauf PK, et al. **Blood** 48(3):457–68, Sep 76

A study performed on batches of serum albumin used as diluents in Rh testing. A report to the International Society of Blood Transfusion/International Committee for Standardization in Haematology by their albumin working party. **Br J Haematol** 32(2):215–24, Feb 76

The primary Rho(D) immune response in male volunteers. Gunson HH, et al. **Br J Haematol** 32(3):317–29, Mar 76

The anti-Rho(D) responses of immunized volunteers following repeated antigenic stimuli. Gunson HH, et al.
Br J Haematol 32(3):331–40, Mar 76

Distribution and mobility of the A, D and c antigens on human red cell membranes: studies with a gold-labelled antiglobulin reagent. Romano EL, et al. **Br J Haematol** 30(4):507–16, Aug 75

Lymphoid cell dependent (K-cell) lysis of human erythrocytes sensitized with Rhesus alloantibodies. Urbaniak SJ. **Br J Haematol** 33(3):409–13, Jul 76

Letter: Rhesus sensitisation associated with IUD in pregnancy. Black MD, et al. **Br Med J** 4(5991):287, 1 Nov 75

Reduced severity of Rh-haemolytic disease after anti-D immunoglobulin. Derrick Tovey LA, et al. **Br Med J** 4(5992):320–2, 8 Nov 75

Development of RhD antibodies after kidney transplantation. Kenwright MG, et al. **Br Med J** 2(6028):151–2, 17 Jul 76

Rhesus sensitization associated with I.U.D. in pregnancy. McCracken JS. **Br Med J** 3(5985):684–5, 20 Sep 75

The Rhesus factor. Parameshwaran N. **Ceylon Med J** 20(4):224–8, Dec 75

Mechanisms of destruction of human Rhesus sensitized red blood cells. Fernandez-Cruz E, et al. **Experientia** 31(11):1361–2, 15 Nov 75

Chances for exclusion of fatherhood of defendant non-fathers concerning twins of compatible and incompatible serological structure. Marcinkowski T, et al.
Forensic Sci 6(3):125–9, Dec 75

F-antigen: nature, liver specificity, and release in experimental liver injury. Arakawa Y, et al.
Gastroenterology 71(1):118–22, Jul 76

Rh(0) or D, -D- and the blocking patterns. A genetic (template) explanation. Tovell TR.
Haematologia (Budap) 9(3–4):243–51, 1975

Observations on severe rhesus haemolytic disease. Matthews TG, et al. **Ir Med J** 69(10):243–5, 29 May 76

Blocking of certain antigenic sites in the F(ab) region by combination of univalent fragments of Rh antibodies with red cell antigens. Kunkel HG, et al. **J Immunol** 116(6):1532–5, Jun 76

Idiotypic specificities of anti-Rh antibodies. Natvig JB, et al. **J Immunol** 116(6):1536–8, Jun 76

Distribution of blood groups in West Bengal. De MK, et al. **J Indian Med Assoc** 65(11):299–302, 1 Dec 75

Practical clinical aspects of RH-prophylaxis. Queenan JT, et al. **J Perinat Med** 1(4):223–34, 1973 (69 ref.)

Editorial: Suppression of Rh-sensitisation by the use of anti-D immunoglobulin. **J R Coll Gen Pract** 24(147):674–5, Oct 74

Alloimmunization to HL-A antigens and hemolytic disease of newborns on the background of incompatibility in the Rh system. Turowski G, et al. **Mater Med Pol** 7(3):210–5, Jul-Sep 75

Editorial: Prevention of rhesus immunization in Australia. **Med J Aust** 2(7):241, 16 Aug 75

Breakthrough rhesus sensitization in spite of anti-D gamma globulin given throughout pregnancy. Baker JW.
Med J Aust 2(7):259–60, 16 Aug 75

Prevention of rhesus immunization in Australia. The first seven years. Davey MG. **Med J Aust** 2(7):263–7, 16 Aug 75

Letter: Complications of amniocentesis. Davey MG.
Med J Aust 1(16):594, 17 Apr 76

Letter: Use of rh immune globulins. **N Engl J Med** 293(15):777–8, 9 Oct 75

The detection of anti-D in Rho (D)-negative infants born of Rho (D)-positive mothers. Bowen FW Jr, et al.
Pediatr Res 10(4):213–5, Apr 76

Proceedings: Plasmapheresis in rhesus disease. Graham-Pole J. **Scott Med J** 20(4):168–9, Jul 75

Determination of Rh blood group of fetuses in abortions by suction curettage. Greendyke RM, et al. **Transfusion** 16(3):267–9, May-Jun 76

Antigen site densities and ultrastructural distribution patterns of red cell Rh antigens. Masouredis SP, et al.
Transfusion 16(2):94–106, Mar-Apr 76

Another potential source of error in Rh-hr typing. Reid ME, et al. **Transfusion** 15(5):485–8, Sep-Oct 75

A new example of anti-LW and further studies on heterogeneity of the system. White JC, et al.
Transfusion 15(4):368–72, Jul-Aug 75

The ABO and rhesus blood groups in patients with pulmonary tuberculosis. Viskum K. **Tubercle** 56(4):329–34, Dec 75

Radioelectroimmunoassay of anti-D immunoglobulin on agarose plates containing whole red cells. Eriksson O, et al. **Vox Sang** 31(1):13–24, 1976

An unusual Rh phenotype indicating heterogeneity of the Cw antigen. Habibi B, et al. **Vox Sang** 31(2):103–8, 1976

The first example of the Rh antigen EW in Western Europe. Henke J, et al. **Vox Sang** 30(4):305–7, 1976

An unusual Rh immunization. Leonard GL, et al.
Vox Sang 31(4):273–6, Oct 76

Inheritance of the Rh complex 'Santi', Rou(GV)1. Lewis M, et al. **Vox Sang** 30(4):282–90, 1976

Rhmod, a second kindred (Craig). McGuire D, et al.
Vox Sang 30(6):430–40, 1976

Incidence of lymphocytotoxic antibody in maternal serum at delivery, in cord serum and placental fluid. Murray S, et al. **Vox Sang** 30(4):291–4, 1976

A study of HL-A types in Rh haemolytic disease of the newborn. Murray S, et al. **Vox Sang** 30(2):91–104, 1976

Automated readout of the BG-8 blood-grouping machine. Results of 10,000 blood group and 4,000 rhesus D factor determinations. Rechsteiner J, et al. **Vox Sang** 30(6):445–52, 1976

Observations of the number of available G (rhG, Rh12) antigen sites on red cells. Skov F. **Vox Sang** 31(2):124–30, 1976

[The technic of intrauterine fetal transfusion in cases of severe isoimmunization due to Rh-incompatibility] Iordanov I.
Akush Ginekol (Sofiia) 13(6):435–9, 1974 (Eng. Abstr.) **(Bul)**

[Prevention of RH immunization in therapeutic abortion

(author's transl)] Bulić M. **Lijec Vjesn** 98(2):103–4, Feb 76 **(Cro)**

[Antigen E variant in the Rh group system] Kout M. **Soud Lek** 21(1):14–6, Feb 76 (Eng. Abstr.) **(Cze)**

[Crossmatching using enzyme-treated erythrocytes] Kunst VA, et al. **Ned Tijdschr Geneeskd** 119(40):1540–4, 4 Oct 75 (Eng. Abstr.) **(Dut)**

[Genic and antigenic frequencies of ABO, Rhesus(D) systems and HLA in Ille et Vilaine] Genetet B, et al. **C R Soc Biol (Paris)** 169(2):395–9, 1975 (Eng. Abstr.) **(Fre)**

[Prevention of feto-maternal immunization] **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):185–202, 1972 **(Fre)**

[2 cases of Rh factor isoimmunization followed by amniocentesis] Benzina T, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):223–5, 1972 **(Fre)**

[Prevention of post-transfusional feto-maternal immunizations] Caderas De Kerleau J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):230, 1972 **(Fre)**

[Determination of chorionic somatomammotropin hormone during isoimmunization by anti-D[Ezes H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):533–7, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[Prediction of fetal damage in anti-RH isoimmunization. 2 statistical approaches] Feinerman D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):1029–40, Nov–Dec 73 (Eng. Abstr.) **(Fre)**

[Immunologic and pathogenic problems posed by hemolytic diseases caused by Rhesus incompatibility of the firstborn infant] Gabriel H. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):231–2, 1972 **(Fre)**

[Radioimmunologic determination of alpha fetoprotein. iv. Applications to obstetrics, and preliminary study of Rhesus feto-maternal incompatibilities] Herbinet E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):855–71, Sep 74 (Eng. Abstr.) **(Fre)**

[Critical study of the results of an application of preventive treatment taking into account the systematic evaluation of feto-maternal hemorrhage] Huchet J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):203–5, 1972 **(Fre)**

[Severity of perinatal effects in feto-maternal Rhesus incompatibility. Circumstances of immunization as a function of parity and gestation] Lemoine JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(3):333–50, Apr–Mau 74 (Eng. Abstr.) **(Fre)**

[Development of anti Rh antibody titers after labor of immunized women. Application to the immune plasma sample by plasmapheresis] Maynier M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):205–7, 1972 **(Fre)**

[Repeated plasmapheresis in severe Rhesus isoimmunization] Nublat M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):227–30, 1972 **(Fre)**

[Prevention of feto-maternal isoimmunizations. Organization in the Marseilles region] Nublat M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):209–11, 1972 **(Fre)**

[Study of the transplacental passage of fetal erythrocytes in 100 abortions] Quereux C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):215–8, 1972 **(Fre)**

[Usefulness of periodic and regional evaluation in prevention of Rhesus isoimmunization: remarks on North American experiences] Schlaeder G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):207–9, 1972 **(Fre)**

[Value of determination of human chorionic somatomammotropin in the plasma and amniotic fluid in Rhesus immunization] Tescher M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(8):1255–65, Dec 74 (Eng. Abstr.) **(Fre)**

[Letter: Fetal blood group and rhesus determination in utero] Mention JE, et al. **Nouv Presse Med** 4(31):2269, 27 Sep 75 **(Fre)**

[Letter: Fetomaternal blood incompatibilities in Rh positive women] Senecal J, et al. **Nouv Presse Med** 5(18):1211, 1 May 76 **(Fre)**

[Letter: Prevention of feto-maternal Rhesus incompatibility] Senecal J, et al. **Nouv Presse Med** 5(17):1146, 24 Apr 76 **(Fre)**

[Determination of Du factor using Groupamatic. Comparison with manual technics. Report of 203,240 determinations] Garretta M, et al. **Rev Fr Transfus** 17(3):211–27, Sep 74 (Eng. Abstr.) **(Fre)**

[Du factor and routine blood typing] Jouvenceaux A, et al. **Rev Fr Transfus** 17(3):229–33, Sep 74 (Eng. Abstr.) **(Fre)**

[Editorial: Du antigens] Salmon C, et al. **Rev Fr Transfus** 17(3):195–9, Sep 74 **(Fre)**

[Comparative study of various methods of identifying Du antigens] Yvart J, et al. **Rev Fr Transfus** 17(3):201–9, Sep 74 (Eng. Abstr.) **(Fre)**

[Failure of Rho (D) immunization in voluntary blood donors. Role of an inhibitory system] Guimbretiere J, et al. **Rev Fr Transfus Immunohematol** 18(3):324–5, Sep 75 **(Fre)**

[A faulty blood transfusion] Habibi B, et al. **Rev Fr Transfus Immunohematol** 18(3):333, 336–8, Sep 75 **(Fre)**

[Relationship between maternal HL-A immunization and familial prognosis of haemolytic disease of the newborn due to Rh incompatibility] Malinvaud G, et al. **Rev Fr Transfus Immunohematol** 18(3):269–80, Sep 75 (Eng. Abstr.) **(Fre)**

[Phototherapy and treatment with phenobarbital in hemolytic disease of newborn due to Rh-incompatibility] Menzel K, et al. **Acta Paediatr Acad Sci Hung** 15(3–4):333–9, 1974 **(Ger)**

[The influence of the plasmaexpander hydroxyethyl starch on the serological blood grouping tests as compared to dextran 60 and whole blood (author's transl)] Kleine N. **Anaesthesist** 24(5):225–7, May 75 (Eng. Abstr.) **(Ger)**

[Cross reactions of anti-E sera with the Rh antigens E and Ew] Kasulke D, et al. **Blut** 31(6):361–4, Dec 75 (Eng. Abstr.) **(Ger)**

[Relation between the Rhesus and Gm systems, their localization on chromosome] Wichmann D. **Blut** 32(1):43–4, Jan 76 (Eng. Abstr.) **(Ger)**

[The frequency of irregular erythrocyte antibodies (author's transl)] Maurer C, et al. **Dtsch Med Wochenschr** 100(30):1567–70, 1573, 25 Jul 75 (Eng. Abstr.) **(Ger)**

[Letter: Prevention of Rh sensitization] Schneider J. **Dtsch Med Wochenschr** 101(15):596, 9 Apr 76 **(Ger)**

[Intravenous administration of anti-D hyperimmunoglobulin after mismatched transfusion (author's transl)] Wegmann A, et al. **Dtsch Med Wochenschr** 101(37):1354–6, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[Genetic relationships between the HL-A system, the blood group systems (Rh, ABO) and the immune reactivity] Petrányi GG, et al. **Folia Haematol (Leipz)** 102(1):29–34, 1975 **(Ger)**

[Rhesus-erythroblastosis] Maas DH, et al. **Fortschr Med** 94(13):741–4, 6 May 76 **(Ger)**

[Rhesus-erythroblastosis. Diagnosis, therapy, prevention] Maas DH, et al. **Fortschr Med** 94(13):735–40, 6 May 76 **(Ger)**

[An unusual cause of sensitization against the Rh factor] Bichler A, et al. **Geburtshilfe Frauenheilkd** 35(8):640–1, Aug 75 (Eng. Abstr.) **(Ger)**

[Prophylatic rhesus sensitization via intravenous administration of immunoglobulin G anti-D. III. Limits of the prophylaxsis obtainable by adapting the immunoglobulin dosage to the extent of the fetalmaternal blood transfusion (author's transl)] Börner P, et al. **Geburtshilfe Frauenheilkd** 36(6):485–92, Jun 76 (Eng. Abstr.) **(Ger)**

[Rhesus immunoprevention by means of immunoglobulin anti-D] Maas DH, et al. **Med Monatsschr** 29(8):340–7, Aug 75 **(Ger)**

[ABO blood-groups and Rh factor in psychical disorders] Diebold K. **Nervenarzt** 46(10):576–80, Oct 75 **(Ger)**

[Circulating plaque forming cells in Rh-sensibilisation (author's transl] Baenkler HW, et al. **Z Immunitaetsforsch** 143(4):419–25, May 72 (Eng. Abstr.) **(Ger)**

[Effect of protamine sulphate on erythrocyte agglutination by anti-rh antisera. Cause of time-dependence (author's transl)] Franz H, et al. **Z Immunitaetsforsch** 151(4):350–8, 1976 (Eng. Abstr.) **(Ger)**

[Frequency and significance of leucocyte iso-antibodies in women with Rh-incompatibility (author's transl)A1 Hübel E, et al. **Z Immunitaetsforsch** 143(4):411–8, May 72 (Eng. Abstr.) **(Ger)**

[The importance of phosphatidylcholine in the binding of anti-D to human erythrocyte ghost membrane (author's transl)] Kropp J, et al. **Z Immunitaetsforsch** 150(3):267–76, Sep 75 (Eng. Abstr.) **(Ger)**

[Elimination of rhesus (D)-incompatible erythrocytes by (Fab')2 G-anti-D (author's transl)] Steenken C, et al. **Z Immunitaetsforsch** 150(4):283–99, Oct 75 (Eng. Abstr.) **(Ger)**

[Placental changes in diabetes mellitus with special reference to villi maturation disorders. (Morphological findings and severity of the disease)] Hölzl VM, et al. **Zentralbl Gynaekol** 97(14):859–70, 1975 (Eng. Abstr.) **(Ger)**

[Fetomaternal transfusion in abortion and pregnancy interruptions and Rh-prevention] Radzuweit H, et al. **Zentralbl Gynaekol** 97(22):1367–74, 1975 (Eng. Abstr.) **(Ger)**

[Prevention, diagnosis and therapy of Rh incompability] Wilken VH. **Zentralbl Gynaekol** 97(14):833–45, 1975 (Eng. Abstr.) **(Ger)**

[Transplacental hemorrhage in abortion (incidence, entity and immunizing value)] pp. 145–7. di Leo S, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973.** **(Ita)**

[Studies on the distribution on the values of erythrocytic angiotensinase activity in the context of ABO and Rh systems] degli Uberti E, et al. **Minerva Cardioangiol** 24(1):15–24, Jan 76 (Eng. Abstr.) **(Ita)**

[Materno-fetal Rh-factor isoimmunization without hemolytic disease] Di Palma L, et al. **Pediatria (Napoli)** 83(2):317–25, 30 Jun 75 **(Ita)**

[A case of autoimmune hemolytic anemia with warm antibodies and with unusual difficulty in Rh typing] Boccardi V, et al. **Riv Emoter Immunoematol** 22(5–6):140–6, 1975 (Eng. Abstr.) **(Ita)**

[Results of planned immunization of Rh-negative subjects with Rh-positive blood] Kuśnierz G, et al. **Acta Haematol Pol** 7(1):49–56, 1976 (Eng. Abstr.) **(Pol)**

[Stimulation of secondary immune response to antigen D from the Rh system] Kuśnierz G, et al. **Acta Haematol Pol** 7(1):57–63, 1976 (Eng. Abstr.) **(Pol)**

[Immunization in the range of HL-A antigen system in volunteers immunized with small doses of blood incompatible in the Rh system] Mączyńska-Rusiniak B, et al. **Acta Haematol Pol** 6(4):253–60, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

[The anti-Rh D immunoglobulin and the use of plasmapheresis as an improvement of its production] Kuśnierz G, et al. **Ginekol Pol** 47(2):225–32, Feb 76 (Eng. Abstr.) **(Pol)**

[Serological incompatibility caused by E antigen of the Rh system sensitization in an infant with hereditary spherocytosis] Ciepielewska D, et al. **Wiad Lek** 28(23):1935–7, 1 Dec 75 **(Pol)**

[Determination of the sample size and distribution of the ABO and Rh blood groups in Botucatu, Sã Paulo, Brazil (author's transl)] Curi PR, et al. **Rev Bras Pesqui Med Biol** 9(2–3):129–35, Mar–Jun 76 (Eng. Abstr.) **(Por)**

[Alloplasty of the skin in the complex treatment of pregnant women with Rh-immunization] Chulieva NCh, et al. **Akush Ginekol (Mosk)** (2):48–50, Feb 75 (Eng. Abstr.) **(Rus)**

[Management of pregnancy in women with isoantigenic incompatibility by the Rh factor] Grishchenko II, et al. **Akush Ginekol (Mosk)** (4):55–7, Apr 75 **(Rus)**

[Complement activity of blood serum and Rh-isosensitization] Sadykov BG, et al. **Akush Ginekol (Mosk)** (4):53–5, Apr 75 **(Rus)**

[Miscarriage and fetal malformations in immunologic incompatibility through the Rh-factor and ABO system] Shileĭko VA, et al. **Akush Ginekol (Mosk)** (4):45–8, Apr 75 **(Rus)**

[Incidence of cholecystitis in persons with different blood groups and Rhesus-factor] Chinchenko EI, et al. **Klin Med (Mosk)** 53(11):73–5, Nov 75 **(Rus)**

[Use of the universal antirhesus serum obtained by adsorption by gastric juice for different methods of determination of rhesus-compatibility] Kachorovskiĭ BV, et al. **Lab Delo** (4):226–9, 1975 **(Rus)**

[Direct and mixed Coombs' tests in children of mothers with Rh immunization] Burenkova LV. **Probl Gematol Pereliv Krovi** 20(7):20–3, Jul 75 (Eng. Abstr.) **(Rus)**

[Experience with obtaining large amounts of anti-rhesus serum by means of donor immunization] Makarova LV. **Probl Gematol Pereliv Krovi** 20(7):56–7, Jul 75 **(Rus)**

[Case of RH-sensitization in primigravidae] Mikhaĭlova AA, et al. **Probl Gematol Pereliv Krovi** 20(7):48–9, Jul 75 **(Rus)**

[Results of remote observations of 'immune' donors with Rh-negative blood subjected to active immunization and re-immunization with Rh-positive blood] Nersisian VM, et al. **Probl Gematol Pereliv Krovi** 20(7):50–1, Jul 75 **(Rus)**

[Use of non-setting solutions of gelatin as a solvent for hemagglutinating sera containing incomplete antibodies] Potkin-Posadskiĭ VA. **Probl Gematol Pereliv Krovi** 20(7):58–9, Jul 75 **(Rus)**

[Method of obtaining anti-Rh sera] Sakharov RS, et al. **Probl Gematol Pereliv Krovi** 20(7):26–30, Jul 75 (Eng. Abstr.) **(Rus)**

[Urgent problems of prevention and treatment of blood transfusion complications] Skachilova NN. **Probl Gematol Pereliv Krovi** 20(4):3–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Principles and certain errors of daily isoserological blood tests] Burenkova LV. **Zdravookhr Kirg** (4):39–42, Jul–Aug 75 **(Rus)**

[Role of Zeta potentials in the Rh hemagglutination] Glaser E. **Bilt Hematol Transfuz** 3(1–2):63–6, 1975 (Eng. Abstr.) **(Ser)**

[Information on Rh-D factor of women who have given birth in our obstetrical department] Kogoj-Bakić V, et al. **Bilt Hematol Transfuz** 3(3):61–4, 1975 **(Ser)**

[Our experiences in the prevention of Rh sensitization] Mikulandra F, et al. **Bilt Hematol Transfuz** 3(3):65–8, 1975 **(Ser)**

[Frequency of C W antigen] Simić S. **Bilt Hematol Transfuz** 3(1–2):73–6, 1975 (Eng. Abstr.) **(Ser)**

[Case of Rh E and Kell antigen sensitization by blood transfusion] Trifunović S, et al. **Bilt Hematol Transfuz** 3(1–2):83–8, 1975 (Eng. Abstr.) **(Ser)**

[Preparation of hyperimmune anti-D plasma by artificial immunization of Rh0(D) negative men (author's transl)] Mikula L, et al. **Bratisl Lek Listy** 64(4):455–60, Oct 75 (Eng. Abstr.) **(Slo)**

[Comparative study of various parameters in the evaluation of isoimmunization against the negative Rh factor] Bianchi R, et al. **Rev Chil Obstet Ginecol** 38(5):201–5, 1973 **(Spa)**

[Prevention of sensitivity to Rh factor by immunosuppressive drugs] Hille A, et al. **Rev Chil Obstet Ginecol** 39(4):124–30, 1974 **(Spa)**

[Distribution of ABO blood groups and Rh factor in patients with gastric and duodenal ulcer and gastric cancer (author's transl)] Csendes A, et al. **Rev Med Chil** 103(7):470–3, Jul 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Clinical conference: Neonatal icterus from anti-D isoimmunization with negative direct Coombs test] Rieu

D, et al. **Arch Fr Pediatr** 32(6):585, Jun-Jul 75 **(Fre)**
[Radiological aspects of intrauterine intraperitoneal fetal transfusion in a case of severe Rh isoimmunization] Gyula R, et al. **Orv Hetil** 117(32):1928-31, 8 Aug 76 **(Hun)**
[Antenatal determination of the fetal Rh-factor from amniotic fluid cells] Laevskaia SA, et al.
Akush Ginekol (Mosk) (2):39-41, Feb 75 (Eng. Abstr.) **(Rus)**

RHABDITOIDEA

GROWTH & DEVELOPMENT

The life cycle of the nematode Caenorhabditis elegans. I. Wild-type growth and reproduction. Byerly L, et al. **Dev Biol** 51(1):23-33, 1 Jul 76
The life cycle of the nematode Caenorhabditis elegans. II. A simplified method for mutant characterization. Byerly L, et al. **Dev Biol** 51(1):34-48, 1 Jul 76

METABOLISM

Properties and synthesis of ribosomal RNA in the free-living nematode Panagrellus silusiae. Noble JS, et al.
Biochim Biophys Acta 402(1):51-61, 6 Aug 75

MICROBIOLOGY

Nematophagous fungi: new species of the Lagenidiales endoparasitic on Rhabditis. Barron GL.
Antonie van Leeuwenhoek 42(1-2):131-9, 1976

RHABDOMYOMA

Foetal rhabdomyoma. Case report of a patient with two tumours. Dahl I, et al. **Acta Pathol Microbiol Scand [A]** 84(1):107-12, Jan 76
Rhabdomyoma of the pharynx. Weitzel GJ, et al.
Laryngoscope 86(1):98-103, Jan 76
Primary cardiac tumours. **Scott Med J** 20(3):103-4, May 75
[Heart tumors in children. Report of 3 cases with favorable spontaneous courses] Khattar H, et al. **Arch Mal Coeur** 68(4):419-29, Apr 75 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Cardiac rhabdomyoma: a clinicopathologic and electron microscopic study. Fenoglio JJ Jr, et al. **Am J Cardiol** 38(2):241-51, Aug 76
Rhabdomyoma of the orbit. Knowles DM 2d, et al.
Am J Ophthalmol 80(6):1011-8, Dec 75
Histological and ultrastructural studies of a case of rhabdomyoma polyposum vaginae. Hański W, et al.
Ann Med Sect Pol Acad Sci 21(1-2):47-8, 1976
Rhabdomyoma of the larynx. Report of a case. Bagby RA, et al. **Arch Otolaryngol** 102(2):101-3, Feb 76
Rhabdomyoma (adult type) of the larynx. Bianchi C, et al. **Beitr Pathol** 156(1):75-9, Sep 75
Nonepithelial tumors of the nasal cavity paranasal sinuses, and nasopharynx: a clinicopathologic study. V. Skeletal muscle tumors (rhabdomyoma and rhabdomyosarcoma). Fu YS, et al. **Cancer** 37(1):364-76, Jan 76
Benign vaginal rhabdomyoma: a light and electron microscopic study. Gold JH, et al. **Cancer** 37(5):2283-94, May 76
Rhabdomyoma purum of the larynx. Ferlito A, et al.
J Laryngol Otol 89(11):1131-41, Nov 75
[Extracardial rhabdomyoma. 3 cases of rhabdomyoma in the head and neck regions] Ebbesen F, et al.
Ugeskr Laeger 138(2):96-8, 5 Jan 76 (Eng. Abstr.) **(Dan)**
[Primary tumor of the heart in a 48-day-old child] Avtandilova VL. **Arkh Patol** 38(4):84-6, Apr 76 **(Rus)**

RHABDOMYOSARCOMA

Primary rhabdomyosarcoma of the heart: a case report, with autopsy. Khanna S, et al. **Aust NZ J Surg** 46(2):177-9, May 76
Transplantation of human rhabdomyosarcoma cells in heterogous hosts: tumors formed and viruses recovered. McAllister RM, et al. **Bibl Haematol** (40):659-62, 1975
Metastatic rhabdomyosarcoma of the heart. Sherman M, et al. **Heart Lung** 5(1):127-30, Jan-Feb 76
Rhabdomyosarcoma. Discussion. pp. 385-93.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Orbital rhabdomyosarcoma. Raizada IN, et al.
Indian J Ophthalmol 22(4):26-7, Dec 74
Embryonal rhabdomyosarcoma of middle ear cleft. De SK, et al. **J Indian Med Assoc** 65(11):309-13, 1 Dec 75
Pleomorphic rhabdomyosarcoma of the larynx. A case report and review of the literature. Frugoni (Verona) P, et al. **J Laryngol Otol** 90(7):687-98, Jul 76
Rhabdomyosarcoma of the larynx. Hall-Jones J.
J Laryngol Otol 89(9):969-76, Sep 75
Rhabdomyosarcoma of the middle ear and mastoid. Pahor AL. **J Laryngol Otol** 90(6):585-91, Jun 76 (62 ref.)
Rhabdomyosarcoma of the bladder in children. Alexander S, et al. **J Med Soc NJ** 73(3):239-43, Mar 76
Rhabdomyosarcoma of the extremities and trunk: analysis of 150 patients treated by surgical resection. Ariel IM, et al. **J Surg Oncol** 7(4):269-87, 1975
Editorial: Rhabdomyosarcoma in childhood. **Med J Aust** 1(7):181-2, 14 Feb 76
Testicular tumor in children. Report of 4 cases. Osborn DE, et al. **Urology** 7(4):433-5, Apr 76
[Rhabdomyosarcoma of the bladder] Malan PJ.
S Afr Med J 49(34):1404-6, 9 Aug 75 (Eng. Abstr.) **(Afr)**
[Liver rhabdomyosarcoma in children. Report of one case (author's transl)] Babut JM, et al. **Ann Chir** 30(3):251-5, Mar 76 (Eng. Abstr.) **(Fre)**
[Description of 5 cases of rhabdomyosarcoma of the testis] Zanoni F, et al. **Tumori** 61(3):255-9, May-Jun 75 (Eng. Abstr.) **(Ita)**
[Fever, anemia, leukemoid reaction and abdominal tumor: retroperitoneal rhabdomyosarcoma] Okuda K, et al.
Jpn J Clin Med Spec No:890-1, 1338-41, 10 Apr 75 **(Jpn)**
[Case of primary malignant heart neoplasm (rhabdomyosarcoma pleomorphicum)] Węgrzyn B, et al. **Kardiol Pol** 19(2):167-71, 1976 (Eng. Abstr.) **(Pol)**
[Embryonal rhabdomyosarcoma of the larynx in a 63 year-old man] Rottenberg VI. **Arkh Patol** 37(4):72-5, 1975 (Eng. Abstr.) **(Rus)**
[Induced rhabdomyosarcoma as an experimental model in Wag rats] Dedenkov AN, et al. **Vopr Onkol** 21(9):103-5, 1975 **(Rus)**
[Primary sarcoma of the gallbladder] Richart C, et al.
Rev Esp Enferm Apar Dig 46(4):435-8, Oct 75 **(Spa)**

BLOOD

Suppression of mitogen responses by serum from tumour-bearing mice. Whitney RB, et al. **Eur J Cancer** 10(11):739-45, Nov 74
Evidence of stem-cell competition in children with malignant disease. A controlled study of hypertransfusion. Smith PJ, et al. **Lancet** 1(7963):776-9, 10 Apr 76

CHEMICALLY INDUCED

Neoplastic transformation in tissues of rats exposed to monocrotaline or dehydroretronecine. Shumaker RC, et al. **J Natl Cancer Inst** 56(4):787-90, Apr 76
Primary and secondary heart tumors in mice maintained on various diets. Szepsenwol J, et al. **Oncology** 32(2):58-72, 1975

COMPLICATIONS

Epidermal nevus and rhabdomyosarcoma. Dimond RL, et al. **Arch Dermatol** 112(10):1424-6, Oct 76
Primary intracranial rhabdomyosarcoma producing proptosis. Shuangshoti S, et al.
J Neurol Neurosurg Psychiatry 39(6):531-5, Jun 76
Letter: A possible relationship of nevus sebaceous of Jadassohn (organoid nevus) to childhood malignancies. Lanzkowsky P, et al. **J Pediatr** 88(2):359-60, Feb 76
[Rhabdomyosarcoma of the kidney with subsequent and manifestative arterial hypertension] Loire R, et al.
Coeur Med Interne 14(4):609-15, Oct-Dec 75 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Rhabdomyosarcoma of the duodenum with sinus tract formation into the gastric wall, visualized by gastroduodenoscopy. Yamada K, et al. **Am J Dig Dis** 20(9):871-5, Sep 75
Embryonal rhabdomyosarcoma of the middle ear and mastoid. Andreevski A, et al. **God Zb Med Fak Skopje** 20:565-9, 1974
Orbital rhabdomyosarcoma in a three week old infant. Basta LL, et al. **J Clin Ultrasound** 4(3):205-7, Jun 76
Neurological manifestations of primary rhabdomyosarcoma of the head and neck in children. Fleischer AS, et al.
J Neurosurg 43(2):207-14, Aug 75
[Diagnosis and evaluation of cervico-facial cancers in children] Brugere J, et al. **Arch Fr Pediatr** 33(6):621-35, Jun-Jul 76 (Eng. Abstr.) **(Fre)**
[Pulmonary rhabdomyosarcoma (author's transl)] Grouls V, et al. **Thoraxchirurgie** 24(2):94-7, Apr 76 (Eng. Abstr.) **(Ger)**
[Rhabdomyosarcoma of the neck in an infant. Possibility of diagnosis by ultrastructure] Bianchi E, et al.
Minerva Pediatr 27(31):1702-5, 6 Oct 75 **(Ita)**

DRUG THERAPY

Chemotherapy of rhabdomyosarcoma by regional perfusion: a case report. Carter RD, et al. **Am Surg** 42(3):212-4, Mar 76
Intensive chemotherapy as primary treatment for rhabdomyosarcoma of the pelvis. Rivard G, et al.
Cancer 36(5):1593-7, Nov 75
Advances in the management of musculoskeletal tumors in adolescents. Dyment PG. **Cleve Clin Q** 42(4):303-8, Winter 75 (20 ref.)
Chemotherapy in the management of childhood solid tumors. pp. 203-14. Sutow WW.
In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c. (31 ref.)
Chemotherapeutic management of common pediatric malignancies. pp. 545-56. Nesbit ME.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.
Case report of embryonal rhabdomyosarcoma of the testis with an 8-year survival. Jungling MJ, et al. **J Urol** 114(2):313-5, Aug 75
The influence of chemotherapy on the prognosis of rhabdomyosarcoma. Ortega JA, et al.
Med Pediatr Oncol 1(3):227-34, 1975
[Advances in the treatment of rhabdomyosarcoma in the pelvic region] Nitschke R, et al.
Monatsschr Kinderheilkd 123(5):487, May 75 **(Ger)**

ENZYMOLOGY

[Study of the isozyme makeup of the lactate dehydrogenase in rat and mouse rhabdomyosarcomas] Khodosova IA, et al. **Tsitologiia** 17(9):1090-3, Sep 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[2 cases of sarcoma developing at the site of fracture and metallic osteosynthesis] Witwicki T, et al. **Wiad Lek** 29(4):339-43, 15 Feb 76 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Studies on the effector cell of anti-tumour immunity in a chemically induced mouse tumour system. Whitney RB, et al. **Br J Cancer** 31(2):157-63, Feb 75
[Immunologic responses of the body to tumors induced by DMBA] Lomakin MS, et al. **Vopr Onkol** 21(7):66-72, 1975 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Primary rhabdomyosarcoma of the central nervous system. Pasquier B, et al. **Acta Neuropathol (Berl)** 33(4):333-42, 30 Dec 75
Rhabdomyosarcoma of the orbit in the newborn. Ellenbogen E, et al. **Am J Ophthalmol** 80(6):1024-7, Dec 75
Laryngeal rhabdomyosarcoma. Canalis RF, et al.
Arch Otolaryngol 102(2):104-7, Feb 76
Rhabdomyosarcoma of the urinary bladder with intraepithelial spread in an adult. Krumerman MS, et al.
Arch Pathol Lab Med 100(7):395-7, Jul 76
Nonepithelial tumors of the nasal cavity paranasal sinuses, and nasopharynx: a clinicopathologic study. V. Skeletal muscle tumors (rhabdomyoma and rhabdomyosarcoma). Fu YS, et al. **Cancer** 37(1):364-76, Jan 76
Multiple lesions of the conduction system in a case of cardiac rhabdomyosarcoma with complex arrhythmias. An anatomic and clinical study. Thiene G, et al. **Chest** 70(03):378-81, Sep 76
Limitation of multinucleation by dibutyryl adenosine 3',5'-cyclic monophosphate in tumor cells treated with cytochalasin B. O'Neill FJ. **J Natl Cancer Inst** 56(2):345-8, Feb 76
Rhabdomyosarcoma of the brain. Matsukado Y, et al.
J Neurosurg 43(2):215-21, Aug 75
The fine structure of neoplastic invasion: invasion of liver, skeletal muscle and lymphatic vessels by the Rd/3 tumour. Carr I, et al. **J Pathol** 118(2):91-9, Feb 76
Pathology of rhabdomyosarcoma. Harry J.
Mod Probl Ophthalmol 14:325-9, 1975
Rhabdomyosarcoma and glioblastoma multiforme of the left cerebral hemisphere - necropsy report. Tison V, et al.
Pathologica 67(971-972):415-22, Sep-Oct 75
Rhabdomyosarcoma of the heart. Ramu M.
Postgrad Med J 52(607):310-2, May 76
Neoplasm of the vagina in infants - two cases. Underhill R. **Proc R Soc Med** 68(4):229-31, Apr 75
Increased radiosensitivity of rat rhabdomyosarcoma cells induced by protracted irradiation. Kal HB, et al.
Radiat Res 63(3):521-30, Sep 75
Electron microscopic and electron histochemical studies on embryonal rhabdomyosarcoma of the orbit. Amemiya T, et al. **Z Krebsforsch** 83(4):305-14, 8 Aug 75
[Sarcoma of the larynx in children. Apropos of one case] Muler H, et al. **Ann Otolaryngol Chir Cervicofac** 92(6):337-40, Jun 75 **(Fre)**
[Rhabdomyosarcoma. Presentation of 67 cases] Shariat S, et al. **Arch Anat Cytol Pathol** 24(3):217-22, 1976 **(Fre)**
[Ultrastructural study on the pathogenesis of transplantable tumor invasion of striated muscle] Babaï F.
J Ultrastruct Res 56(3):287-303, Sep 76 (Eng. Abstr.) **(Fre)**
[Foetal Rhabdomyoma. Case report and ultrastructural study] Walter P, et al. **Virchows Arch [Pathol Anat]** 371(1):59-67, 19 Aug 76 (Eng. Abstr.) **(Fre)**
[Clinical picture and morphology of orbital rhabdomyosarcomas in children] Gutjahr P, et al.
Albrecht von Graefes Arch Klin Ophthalmol 196(2):113-26, 6 Aug 75 (Eng. Abstr.) **(Ger)**
[Case of intercostal tumor of the right thorax] Mori Y, et al. **Jpn J Clin Pathol** 23(8):621-2, Aug 75 **(Jpn)**
[Bladder sarcoma in adults] Zajączkowski T. **Wiad Lek** 29(9):857-60, 1 May 76 **(Pol)**
[Rhabdomyosarcoma of the tongue] Irzhanov SI, et al.
Arkh Patol 37(11):73-4, 1975 **(Rus)**
[A heterologous mesodermal tumor of the uterus of the pleomorphic rhabdomyosarcoma type] Vlasov VI.
Arkh Patol 37(6):81-3, 1975 (Eng. Abstr.) **(Rus)**
[Cytomorphological characteristics of rhabdomyosarcoma] Tikhomirova EE. **Lab Delo** (8):460-4, 1975 **(Rus)**
[Effect of ectopic transplantations on the cytological structure of mouse rhabdomyosarcomas] Shvemberger IN, et al. **Tsitologiia** 17(9):1067-72, Sep 75 (Eng. Abstr.) **(Rus)**
[Ultrastructure of the cellular elements of mouse rhabdomyosarcoma] Chernina LA, et al. **Vopr Onkol** 21(11):65-75, 1975 (Eng. Abstr.) **(Rus)**
[The ultrastructure of human rhabdomyosarcomas] Chernina

LA. **Vopr Onkol** 22(5):37–43, 1976 (Eng. Abstr.) **(Rus)**
[Tumors of cardiac ventricles (author's transl)] Quero Jiménez M, et al. **An Esp Pediatr** 8(6):651–62, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Paradoxical septal motion secondary to right ventricular tumor. Sassé L, et al. **JAMA** 234(9):955–6, 1 Dec 75

RADIOGRAPHY

Destructive lesions of bone: x-ray differential diagnosis. Adair LB, et al. **J Natl Med Assoc** 68(1):74–5, Jan 76
The radiological manifestations of intracranial rhabdomyosarcoma. Archer CR. **Neuroradiology** 11(3):131–6, 16 Jul 76
[Diagnostic difficulties and late results in the treatment of primary malignant paraosseal tumors originating from the muscular tissue] Witwicki T, et al. **Chir Narzadow Ruchu Ortop Pol** 41(1):87–92, 1976 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

Characteristics of cell survival curves for different radiations in relation to iso-effect curves for fractionated treatments of a rat rhabdomyosarcoma. pp. 270–9. Barendsen GW.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Effects of protracted gamma irradiation on cells from a rat rhabdomyosarcoma treated in vitro and in vivo. pp. 259–69. Kal HB.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Radiotherapy of primary malignant tumours of the orbit. Lederman M. **Mod Probl Ophthalmol** 14:170–6, 1975

SURGERY

Progress in the management of pediatric malignancies. pp. 539–44. Leonard AS, et al.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.
Limited surgery in the management of pelvic rhabdomyosarcoma. pp. 375–84. Ortega JA, et al.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Ultraradical surgery in childhood embryonal rhabdomyosarcoma, with special reference to tumors of the vagina. pp. 359–73. Piver MS.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Resection of rhabdomyosarcoma of the neck. An office procedure. Farley HH. **Minn Med** 59(1):24, Jan 76
[Dagnosis and treatment of sarcoma botryoides (author's transl)] Frohmüller H, et al. **Urol Int** 30(6):420–32, 1975 (32 ref.) (Eng. Abstr.) **(Ger)**
[Rhabdomyosarcoma of spermatic cord] Wróbel S, et al. **Pol Przegl Chir** 48(2 A):273–5, Feb 76 (Eng. Abstr.) **(Pol)**
[Primary rhabdomyosarcoma anaplasicum mesenterii ilei in an 8-year old boy] Bumbić S, et al. **Srp Arh Celok Lek** 102(9):707–10, Sep 74 **(Ser)**

THERAPY

Rhabdomyosarcoma in the pediatric age group. Hornback NB, et al. **Am J Roentgenol** 126(3):542–9, Mar 76
A case of embryonal sarcoma (rhabdomyosarcoma) of the prostate treated with combined surgical and cytostatic therapy. Doeven JJ, et al. **Arch Chir Neerl** 27(4):283–92, 1975
Proceedings: Effectiveness of combined treatments of various types of transplantable rat tumour with ionizing radiation and drugs. Barendsen GW, et al. **Br J Cancer** 32(6):752–3, Dec 75
Radiotherapy and adjuvant combination chemotherapy for childhood rhabdomyosarcoma. Malpas JS, et al. **Br Med J** 1(6004):247–9, 31 Jan 76
Combined therapy to prevent complete pelvic exenteration for rhabdomyosarcoma of the vagina or uterus. Mahesh Kumar AP, et al. **Cancer** 37(1):118–22, Jan 76
Acute and late effects on normal tissues following combined chemo- and radiotherapy for childhood rhabdomyosarcoma and Ewing's sarcoma. Tefft M, et al. **Cancer** 37(2 Suppl):1201–17, Feb 76
Rhabdomyosarcoma in children: progress and problems. pp. 345–57. Maurer HM.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Urogenital rhabdomyosarcoma in childhood. Rogers PC, et al. **J Urol** 115(6):738–9, Jun 76
Treatment of soft tissue sarcomas. Wilbur JR. **Pediatr Clin North Am** 23(1):171–81, Feb 76
Changing concepts in the management of Wilm's tumour and rhabdomyosarcoma. Freeman JE. **Proc R Soc Med** 68(10):660–2, Oct 75
Coordinated treatment of childhood rhabdomyosarcoma. Pratt CB, et al. **Prog Clin Cancer** 6:87–94, 1975
Management of rhabdomyosarcoma in children: a multidisciplinary approach. Holton CP, et al. **Rocky Mt Med J** 73(2):91–3, Mar–Apr 76
Current management of childhood solid tumors. Grosfeld JL, et al. **Surg Clin North Am** 56(2):513–35, Apr 76
Current trends in treatment of childhood rhabdomyosarcoma of lower genitourinary tract. Belman AB, et al. **Urology** 8(1):31–4, Jul 76
[Current therapeutic aspects of juvenile orbital rhabdomyosarcomas] Hugonnier R, et al. **Bull Soc Ophtalmol Fr** 75(11):1031–7, Nov 75 **(Fre)**
[Malignant neoplasms in soft-tissue demand team-work] Franzén S, et al. **Lakartidningen** 72(44):4268–72, 29 Oct 75 (Eng. Abstr.) **(Swe)**

VETERINARY

Juvenile alveolar rhabdomyosarcoma in a dog. Seibold HR. **Vet Pathol** 11(6):558–60, 1974

RHAMNOSE

1H-N.m.r. study of L-rhamnose, methyl alpha-L-rhamnopyranoside, and 4-o-beta-D-galactopranosyl-L-rhamnose in deuterium oxide. De Bruyn A, et al. **Carbohydr Res** 47(1):158–63, Mar 76

ANALOGS & DERIVATIVES

Fluorosugars inhibit biological properties of different enveloped viruses. Schmidt MF, et al. **J Virol** 18(3):819–23, Jun 76

METABOLISM

Evidence that the isomerization of D-ribose and L-rhamnose is catalyzed by the same enzyme in Mycobacterium smegmatis. Izumori K, et al. **J Bacteriol** 126(1):553–5, Apr 76
Metabolism of L-rhamnose in Arthrobacter pyridinolis. Levinson SL, et al. **J Gen Microbiol** 96(2):277–86, Aug 76

PHARMACODYNAMICS

Use of L-rhamnose to study irreversible adsorption of bacteriophage PL-1 to a strain of Lactobacillus casei. Watanabe K, et al. **J Gen Virol** 28(1):29–35, Jul 75

RHENIUM

Unusual metalloporphyrin complexes of rhenium and technetium. Tsutsui M, et al. **J Am Chem Soc** 97(14):3952–65, 9 Jul 75

METABOLISM

Transport and distribution of rhenium-188 in the central nervous system. Bardfeld PA, et al. **Exp Neurol** 50(1):1–13, Jan 76

THERAPEUTIC USE

Rhenium-188 therapy of experimental hydrocephalus. Bardfeld PA, et al. **Exp Neurol** 50(3):777–85, Mar 76

RHEOGRAPHY see **PLETHYSMOGRAPHY, IMPEDANCE**

RHEOLOGY

see related
FLOWMETERS

Relative flow measured by roentgen videodensitometry in hydrodynamic model. Lantz B. **Acta Radiol [Diagn] (Stockh)** 16(5):503–19, Sep 75
Influence of blood rheology on intrarenal blood flow distribution. McDonald KM. **Am J Physiol** 230(5):1448–54, May 76
Poiseuille and his law. Pfitzner J. **Anaesthesia** 31(2):273–5, Mar 76
Quantitative measurement of local blood flow with heat clearance. Müller-Schauenburg W, et al. **Basic Res Cardiol** 70(5):547–67, Sep–Oct 75
Blood rheology and the distribution of blood flow within the nutrient capillaries. Schmid-Schönbein H. **Bibl Haematol** (41):1–15, 1975
The rheology of sickle blood cells. Chen H, et al. **Biomed Sci Instrum** 12:93–9, 3–5 May 76
The building mechanism of chains of spheres in Poiseuille flow--a model for the building mechanism of red cells chains. Bauckhage K. **Biorheology** 12(6):329–34, Oct 75
Membrane proteins and membrane rheology. Blank M, et al. **Biorheology** 12(5):271–4, Aug 75
Shear inactivation of heparin. Charm SE, et al. **Biorheology** 12(5):275–8, Aug 75
Physical properties of sputum--VI: Physical-chemical factors in sputum rheology. Chen TM, et al. **Biorheology** 13(3):211–8, Jun 76
A new capillary viscometer for clinical use. Chmiel H. **Biorheology** 12(5):301–7, Aug 75
Microscopic observations of viscoelasticity of human blood in steady and oscillatory shear. Copley AL, et al. **Biorheology** 12(5):257–63, Aug 75
A method for solving the full Navier-Strokes-equation for chains of spheres transported in Poiseuille-flow. Ermert U. **Biorheology** 13(1):1–6, Feb 76
Experimental study of wave propagation through viscous fluid contained in viscoelastic cylindrical tube under static stresses. Flaud P, et al. **Biorheology** 12(6):347–54, Oct 75
Rheo-optical studies of blood cells. Frojmovic MM. **Biorheology** 12(3–4):193–202, Jun 75
In situ rheological characterization of epithelial mucus. Gilboa A, et al. **Biorheology** 13(1):59–65, Feb 76
Clotting in layers in the rheo-simulator. Hartert H. **Biorheology** 12(3–4):249–52, Jun 75
Rheological behavior of blood in transient flow. Healy JC, et al. **Biorheology** 12(6):335–40, Oct 75
Quantitative characterization of thixotropy of whole human blood. Huang CR, et al. **Biorheology** 12(5):279–82, Aug 75
Some new accessories to the Weissenberg Rheogoniometer: an exhibit. King RG, et al. **Biorheology** 12(6):355–60, Oct 75
Mucus rheology: relation to structure and function. Litt M, et al. **Biorheology** 13(1):37–48, Feb 76
A model for longitudinal motility of the small intestine. Macagno E, et al. **Biorheology** 12(6):369–76, Oct 75
Mucus structure: relation to biological transport function. Meyer FA. **Biorheology** 13(1):49–58, Feb 76 (38 ref.)
Letter: Blood flow. Nubar Y. **Biorheology** 12(2):143, Apr 75
Poiseuille award lecture: present status of hemorheological theory. Oka S. **Biorheology** 12(3–4):157–68, Jun 75
The effect of heparin on the viscoelasticity of whole blood clots. Overholser KA, et al. **Biorheology** 12(5):309–16, Aug 75
The axial drift of fresh and acetaldehyde-hardened erythrocytes in 25 mum capillary slits of various lengths. Palmer AA, et al. **Biorheology** 12(5):283–93, Aug 75
The influence of rouleaux on the resistance to flow through capillary channels at various shear rates. Palmer AA, et al. **Biorheology** 12(5):265–70, Aug 75
Periodic flow of a viscous fluid superposed on steady flow in an orthotropic initially stressed elastic tube. Determination of fluid velocities and displacement components of the wall. Schwerdt H, et al. **Biorheology** 13(1):7–20, Feb 76
Contribution of erythrocytes to turbulent blood flow. Stein PD, et al. **Biorheology** 12(5):293–9, Aug 75
Rheopexy of denatured bacterial DNA solutions. Uhlenhopp EL. **Biorheology** 12(2):137–42, Apr 75
Microcinephotographic studies on red cell aggregation in steady and oscillatory shear--a note. Usami S, et al. **Biorheology** 12(5):323–5, Aug 75
An approximate Casson fluid model for tube flow of blood. Walawender WP, et al. **Biorheology** 12(2):111–9, Apr 75
Rheological properties of red cells in haemoglobin Köln disease. Tillmann W, et al. **Br J Haematol** 33(2):279–87, Jun 76
The effect of microstructure on the rheological properties of blood. Kang CK, et al. **Bull Math Biol** 38(2):135–59, 1976
Analysis of coronary flow fields in thoracotomized dogs. Atabek HB, et al. **Circ Res** 37(6):752–61, Dec 75
Fluid flow effects on readings from the mass spectrometer with diffusion membrane catheter. Ostrander LE, et al. **IEEE Trans Biomed Eng** 22(5):448–51, Sep 75
Changes in rheology of animals following various pressure exposures. pp. 133–6. Guest MM, et al.
In: Beckman EL, Elliott DH, ed. Dysbarism-related osteonecrosis. Washington, US Department of Health Education and Welfare, 1974. WE 200 S99d 1972.
The generalized entry flow problem and the establishment of Poiseuille flow in locally constricted tubes. Aiello GA, et al. **J Biomech** 9(1):49–54, 1976
Peristaltic pumping in non-uniform tubes. Gupta BB, et al. **J Biomech** 9(2):105–9, 1976
The influence of upstream conditions on flow reattachment lengths downstream of an abrupt circular channel expansion. Roschke EJ, et al. **J Biomech** 9(7):481–3, 1976
Effects of viscoelasticity of blood on wave propagation in the circulation. Thurston GB. **J Biomech** 9(1):13–20, 1976
Follow-up study of patients with aorto-coronary saphenous vein bypass. Comparison between recoronarography and ultrasonic 'Doppler' technique. Warnke H, et al. **J Cardiovasc Surg (Torino)** Spec No:107–10, 1973
The rheological factor in mucociliary clearance. Adler K, et al. **J Lab Clin Med** 88(1):22–8, Jul 76
Red cell aggregation in blood flow. I. New methods of quantification. Schmid-Schönbein H, et al. **Klin Wochenschr** 54(4):149–57, 15 Feb 76
Experimental evidence on the mechanism for the instability of flow in collapsible vessels. Brower RW, et al. **Med Biol Eng** 13(6):839–45, Nov 75
Negative-resistance effects in flow through collapsible tubes: 2 two-dimensional theory of flow near an elastic constriction. Griffiths DJ. **Med Biol Eng** 13(6):791–6, Nov 75
Negative-resistance effects in flow through collapsible tubes: 1 relaxation oscillations. Griffiths DJ. **Med Biol Eng** 13(6):785–90, Nov 75
Negative-resistance effects in flow through collapsible tubes: 3 two-dimensional treatment of the elastic properties of elastic constriction. Griffiths DJ. **Med Biol Eng** 13(6):797–802, Nov 75
Pulse-wave reflection in elastic tubes. Newman DL, et al. **Med Biol Eng** 13(5):720–6, Sep 75
Fluid flow in soft-walled tubes part 1: steady flow. Oates GC. **Med Biol Eng** 13(6):773–9, Nov 75
Fluid flow in soft-walled tubes part 2: behaviour of finite waves. Oates GC. **Med Biol Eng** 13(6):780–4, Nov 75
A review of second-order effects on Poiseuille's equation for application to blood and other viscous fluids. Blick EF,

et al. **Med Res Eng** 11(6):27–31, 1972

The microrheology of mammalian platelets: studies of rheo-optical transients and flow in tubes. Frojmovic MM, et al. **Microvasc Res** 11(2):203–15, Mar 76

The effect of oscillatory flow on the release reaction and aggregation of human platelets. Goldsmith HL, et al. **Microvasc Res** 11(3):335–359, May 76

The effect of pressure pulsations on time mean flow rate. Krishnakumar CK. **Microvasc Res** 11(1):41–9, Jan 76

Response of the regional lymphatic system of the sheep to acute stress and adrenaline. Shannon AD, et al. **Q J Exp Physiol** 61(3):169–84, Jul 76

Fluid mechanical stress and the platelet. Goldsmith HL, et al. **Thromb Diath Haemorrh** 34(1):32–41, 30 Sep 75

Study of aggregate formation in region of separated blood flow. Morton WA, et al. **Thromb Diath Haemorrh** 34(3):840–54, 15 Dec 75

Proceedings: Formation and destruction of platelet aggregates in viscometric flow. Rieger H, et al. **Thromb Diath Haemorrh** 34(2):581, 15 Nov 75

A rheological method for the quantification of platelet aggregation (PA) in vitro and its kinetics under defined flow conditions. Klose HJ, et al. **Thromb Res** 7(2):261–72, Aug 75

The role of the surrounding tissue in the propagation of waves through the arterial system. Dinnar U. **TIT J Life Sci** 5(3–4):49–56, 1975

Flow in experimental models simulating intravascular cords traversing the arterial lumen. Stehbens WE. **Vasc Surg** 9(3):132–40, May–Jun 75

[Blood rheology and the Fahraeus–Lindqvist effect] Oiknine C, et al. **Agressologie** 17(3):167–74, 1976 (Eng. Abstr.) **(Fre)**

[Effect of movement induced by red blood cells on blood platelet transport] Antonini G, et al. **Biorheology** 12(2):133–5, Apr 75 (Eng. Abstr.) **(Fre)**

[Methods of measuring and analysing the dynamic behavior of biological materials] Kopp CH, et al. **Biorheology** 13(3):151–9, Jun 76 **(Fre)**

[Reproducibility of urinary flow curves] Dutartre D, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):484–94, Dec 74 **(Fre)**

[Flow with reabsorption in the renale tubule (author's transl)] Bauer HF. **Biomed Tech (Berlin)** 21(1):10–6, Feb 76 **(Ger)**

[Flow rate measurement with tracer techniques in particular local with thermal dilution (author's transl)] Solberg DM. **Biomed Tech (Berlin)** 21(1):2–9, Feb 76 (Eng. Abstr.) **(Ger)**

[New basic considerations and theories for improving angio-cine-densitometry. IV. The effect of discontinuous, pulsatile flow on angio-cine-densitometric measurements (author's transl)] Vanselow K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):468–75, Nov 75 (Eng. Abstr.) **(Ger)**

[Flow in natural and artificial organs and vessels (author's transl)] Naumann A. **Klin Wochenschr** 53(21):1007–19, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Preparation of blood films by rheologically controlled centrifugation] Megla GK. **Med Lab (Stuttg)** 28(11):251–66, Nov 75 **(Ger)**

[Possibilities of a rheologic therapy of microangiopathies] Ehrly AM. **Med Welt** 26(46):2092–3, 14 Nov 75 **(Ger)**

[Rheologic studies on various new emulsions–ointment bases. 1. Relationship between the composition, processing technology and the consistence] Erös I. **Pharmazie** 31(4):241–6, Apr 76 **(Ger)**

[Instantaneous blood flow velocity profiles before and after aortic valve replacement (author's transl)] Meisner H, et al. **Thoraxchirurgie** 23(3):282–90, Jun 75 (Eng. Abstr.) **(Ger)**

[Diagnostic value of ultrasonic–Doppler–pressure determination, venous occlusion plethysmoraphy, exertion oscillography and peripheral phlebodynamometry in arterial occlusive diseases of the lower extremities] Kriessmann A, et al. **Verh Dtsch Ges Kreislaufforsch** 41:341–3, 1975 **(Ger)**

[Fluid dynamics in medicine] Sugawara M. **Jpn J Med Electron** 13(6):337–43, Dec 75 **(Jpn)**

[The relationship between the amplitude of the rheogram and vascular tone] Hurevych MI, et al. **Fiziol Zh** 21(5):590–4, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

HISTORY

Poiseuille Gold Medal Award ceremony. Presentation address. Copley AL. **Biorheology** 12(3–4):153–5, Jun 75

INSTRUMENTATION

An intravascular test device for thromboresistant materials: analysis and preliminary experimental evaluation. Grabowski EF, et al. **Ann Biomed Eng** 3(3):322–41, Sep 75

Rheoaggregometry: platelet physiology and bloodflow. pp. 292–9. Schmid-Schönbein H, et al. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.**

An apparatus for measuring the rheological properties of dental materials. Combe EC, et al. **J Dent Res** 55(2):223–8, Mar–Apr 76

METHODS

A diameter-independent blood flow measurement technique. Rader RD. **Med Instrum** 10(4):185–8, Jul–Aug 76

[A new method of rheoencephalography] Jacquy J, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(3):280–4, Jul–Sep 73 **(Fre)**

[New rheologic methods for the differentiation of pathological changes in blood viscosity] Chmiel H, et al. **Verh Dtsch Ges Kreislaufforsch** 41:282–4, 1975 **(Ger)**

[A method of plethysmography for several internal organs] Makarov PO, et al. **Nerv Sist** 15:132–4, 1975 **(Rus)**

RHESUS BLOOD-GROUP SYSTEM see **RH-HR BLOOD-GROUP SYSTEM**

RHESUS MONKEYS see under **MACACA**

RHEUMATIC FEVER

Editorial: Acute rheumatic fever and rheumatic heart disease. Shulman ST. **J Fla Med Assoc** 63(7):564–5, Jul 76

[Standard for the diagnosis and treatment of rheumatic fever] Okuni M. **Ryumachi** 15(2):185–9, Jul 75 **(Jpn)**

[Acute articular rheumatism (AAR) after streptococcal infections (post-streptococcic acute rheumatic disease)] Georgmăneanu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(2):99–111, Apr–Jun 76 **(Rum)**

[Certain urgent problems of rheumatism in children] Dolgopolova AV. **Pediatriia** (9):3–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Materials on clinico-immunological studies in stage-by-stage treatment of children with rheumatism] Sedov KR, et al. **Vopr Okhr Materin Det** 19(2):54–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Problems of active phase of rheumatism in children with heart defects under modern conditions] Bisiarina VP, et al. **Vopr Revm** (4):58–61, Oct–Dec 75 **(Rus)**

[Incidence of rheumatic fever in children, and errors in its diagnosis] Okulova EM, et al. **Vopr Revm** 00(02):50–1, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of rheumatic fever] Bečanović S, et al. **Vojnosanit Pregl** 32(5):499–506, Sep–Oct 75 **(Ser)**

BLOOD

Elevated hemoglobin-A2 levels in rheumatic fever and rheumatic heart disease: a new finding. Reddi YR, et al. **Indian Pediatr** 13(2):153–4, Feb 76

[Evaluation of laboratory tests in rheumatic fever] Bijelić A. **Reumatizam** 23(3):99–106, 1976 (Eng. Abstr.) **(Cro)**

[Clinico-immunochemical studies of certain acute-phase proteins in rheumatism] Trubnikov GA, et al. **Ter Arkh** 47(11):55–61, 1975 (Eng. Abstr.) **(Rus)**

[Study of iron, iron-binding capacity of blood serum and proteinogram in children with rheumatism without anemia or with concomitant anemia] Chenusha VP. **Vopr Revm** (2):34–6, Apr–Jun 75 (Eng. Abstr.) **(Rus)**

[Determination of electric resistance of blood in patients with rheumatism] Shibalkin VD, et al. **Vopr Revm** (4):45–8, Oct–Dec 75 (Eng. Abstr.) **(Rus)**

[Certain biochemical indicators of the blood in patients with rheumatism] Rachinskiĭ ID, et al. **Vrach Delo** (1):41–4, Jan 74 (Eng. Abstr.) **(Rus)**

[Certain thrombocytic factors of hemostasis in rheumatism] Rogozhkina VF. **Vrach Delo** (2):19–21, Feb 74 (Eng. Abstr.) **(Rus)**

[Dysproteinemic syndrome in rheumatism] Shulaeva EV, et al. **Vrach Delo** (10):8–10, Oct 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Localized gangrene of the cecum and acute articular rheumatic fever. Hakami M. **Am J Proctol** 27(4):30–4, Aug 76

Combined acute rheumatic fever and congenitally bicuspid aortic valve: a hitherto unconfirmed combination. McReynolds RA, et al. **Chest** 70(1):98–100, Jul 76

Rheumatic brain disease: a disease in its own right. Halbreich U, et al. **J Nerv Ment Dis** 163(1):24–8, Jul 76

Rheumatic pneumonia: The need for a new approach. Serlin SP, et al. **Pediatrics** 56(6):1075–8, Dec 75

[A case of rheumatism and the syndrome of ventricular pre-excitation (Wolff—Parkinson—White) syndrome] Apostolov L, et al. **Vutr Boles** 13(5):103–7, 1974 (Eng. Abstr.) **(Bul)**

[Amyloidosis and nephrotic syndrome: renal amyloidosis caused by rheumatoid fever] Kinoshita Y, et al. **Jpn J Clin Med** Spec No:776–7, 1134–5, 10 Apr 75 **(Jpn)**

[Rheumatic pneumonia] Saksonov SI, et al. **Klin Med (Mosk)** 53(7):93–6, Jul 75 **(Rus)**

[Incidence and basic predisposing factors to rheumatism recurrence in children after stage-by-stage sanatorium and health-resort treatment] Guobis G, et al. **Pediatriia** (9):27–8, Sep 75 **(Rus)**

[Myocardial ischemia in rheumatic coronaritis in children] Kalaeva VA. **Pediatriia** (2):85–6, Feb 74 **(Rus)**

[Diagnostic value of cerebral radiocirculography in vascular forms of neurorheumatism] Dubovyĭ ED, et al. **Vrach Delo** (3):12–4, Mar 74 (Eng. Abstr.) **(Rus)**

[Recurrence of rheumatic fever and changes of cardiac findings during the course of recurrences of the rheumatic fever] Doneva V, et al. **God Zb Med Fak Skopje** 20:305–12, 1974 (Eng. Abstr.) **(Ser)**

DIAGNOSIS

Rheumatic fever in adult patients. Leirisalo M, et al. **Ann Clin Res** 7(3):244–50, Jun 75

Proceedings: Comparison of Streptozyme test and other streptococcal antibodies in acute rheumatic fever. Biundo JJ Jr, et al. **Arthritis Rheum** 18(5):527–8, Sep–Oct 75

Comparison of streptozyme test with ASO in rheumatic fever. Ganguly NK, et al. **Indian J Med Res** 63(7):1001–5, Jul 75

Rheumatic fever and Yersinia arthritis. Criteria and diagnostic problems in a changing disease pattern. Laitinen O, et al. **Scand J Rheumatol** 4(3):145–57, 1975

[The changing clinical pattern of rheumatic fever (author's transl)] Jüngst BK. **Monatsschr Kinderheilkd** 123(8):588–92, Aug 75 (Eng. Abstr.) **(Ger)**

[Rheumatic fever – observation to the current clinical picture] Bartel J, et al. **Z Aerztl Fortbild (Jena)** 70(11):571–3, 1 Jun 76 **(Ger)**

[Articular rheumatism in the old age. Suggestive case] Contarini C, et al. **Cardiol Prat** 26(2):153–7, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Apparently exclusive or dominant myocarditis in the course of theumatic disease with few symtpoms: importance of its early recognition] Fanini A, et al. **Cardiol Prat** 25(4):331–7, Oct–Dec 74 (Eng. Abstr.) **(Ita)**

[The diagnosis of rheumatic carditis] Vecchio C. **Minerva Med** 66(80):4287–93, 24 Nov 75 **(Ita)**

[Critical analysis of the major criteria for the diagnosis of rheumatic fever. I] Cossermelli W, et al. **Arq Bras Cardiol** 28(3):389–97, Jun 75 **(Por)**

[Syndrome of absence of pulse as a first clinical sign of rheumatism with subsequent development of heart defect] Gordon IB, et al. **Klin Med (Mosk)** 53(7):112–3, Jul 75 **(Rus)**

[Use of statistical methods of classification and computers for evaluation of the complex of laboratory indicators of the activity of rheumatic process] Karpov RS, et al. **Ter Arkh** 47(11):52–4, 1975 **(Rus)**

[Diagnostic criteria of rheumatism, designated for epidemiological studies. 2] Benevolenskaia LI, et al. **Vopr Revm** (3):10–8, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Critical study of the major criteria in the diagnosis of rheumatic fever. II] Cossermelli W, et al. **Arq Bras Cardiol** 28(4):481–7, Aug 75 (43 ref.) **(Spa)**

DIET THERAPY

[Problems of nutrition of children with rheumatism in the local sanatoria] Oganesov IA. **Pediatriia** (9):28–9, Sep 75 **(Rus)**

DRUG THERAPY

Clinical implications of salicylate-induced liver damage. Levy G, et al. **Am J Dis Child** 129(12):1385–6, Dec 75

Penicillin: multiple applications in rheumatic patients. Friedman S, et al. **Pa Med** 78(11):21, Nov 75

Penicillin: multiple applications in rheumatic patients. Friedman S, et al. **Pa Med** 78(12):39, Dec 75

[Procedures and structures for primary and secondary prevention of rheumatic cardiopathies] Giobbi A. **Minerva Med** 66(80):4299–304, 24 Nov 75 **(Ita)**

[Glucocorticoid function of the adrenal cortex at remote periods after hormonal therapy] Sycheva EK. **Pediatriia** (7):30–1, Jul 75 **(Rus)**

[Effect of antirheumatic preparations on the level of glycosaminoglycans in patients with rheumatism] Privalenko MN, et al. **Ter Arkh** 47(11):67–71, 1975 (Eng. Abstr.) **(Rus)**

[Adoerse effects by the administration of salicylates] Ramírez Mayans J, et al. **Bol Med Hosp Infant Mex** 32(6):1229–39, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Activity of soluble urinary A and B arylsulfatases in children with acute rheumatic fever] Działoszyński L, et al. **Pediatr Pol** 50(10):1273–8, Oct 75 (Eng. Abstr.) **(Pol)**

[Enzyme studies in rheumatic diseases] Mardare G, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):385–91, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Evaluation of analysis of blood serum enzymes in different variants of the course of rheumatism] Sorokina TN. **Klin Med (Mosk)** 53(7):96–8, Jul 75 **(Rus)**

[Change in the activity of lactate dehydrogenase isoenzymes in rheumatism and certain other infectious-allergic diseases of children] Popov DT, et al. **Pediatriia** (9):25–6, Sep 75 **(Rus)**

ETIOLOGY

Rheumatic fever: a streptococcal-induced autoimmune disease? pp. 97–111. Zabriskie JB. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (48 ref.)

Acute rheumatic fever following streptococcal wound infection. Popat KD, et al. **Postgrad Med J** 52(605):165–70, Mar 76

[Case of viral hepatitis with clinical manifestations of acute rheumatic fever] Gawrychowski S, et al. **Wiad Lek** 29(10):935–7, 15 May 76 (Eng. Abstr.) **(Pol)**

[New data on the etiology and pathogenesis of rheumatism] Nasonova VA. **Ter Arkh** 48(1):49–54, 1976 **(Rus)**

FAMILIAL & GENETIC

[Study of delayed hypersensitivity in families with rheumatism] Kukhtitskiĭ AA, et al. **Vopr Revm** (2):17–20,

Apr–Jun 75 (Eng. Abstr.) **(Rus)**

HISTORY

[Carditis rheumaticae historia. A never published and unknown study of Tomasz Adolf Wołkowiłnski, Master of Medicine] Steffen E. **Wiad Lek** 29(11):1039–40, 1 Jun 76 **(Pol)**

IMMUNOLOGY

Autoimmunity in rheumatic fever: relationship to streptococcal antigens cross-reactive with valve fibroblasts, myofibres and smooth muscle. pp. 113–8. Kaplan MH.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1976. (11 ref.)

HL-A antigens in Europeans and Maoris with rheumatic fever and rheumatic heart disease. Caughey DE, et al. **J Rheumatol** 2(3):319–22, Sep 75

Antimyocardial antibodies in heart diseases. II. Immunofluorescent patterns in rheumatic fever and rheumatic heart disease. Boeriu IN, et al. **Rev Roum Med [Med Intern]** 13(2):147–52, 1975

Disturbances of cellular immunity in rheumatic fever. Georgescu C, et al. **Rev Roum Med [Med Intern]** 14(3):219–25, Jul–Sep 76 (Eng. Abstr.)

[Immunological aspects of rheumatic fever] Fantini F. **Minerva Med** 66(80):4294–8, 24 Nov 75 **(Ita)**

[Study of antibodies to heterologous connective tissue, isolated from sera of patients with rheumatism] Danilova TA, et al. **Biull Eksp Biol Med** 81(4):462–4, 1976 (Eng. Abstr.) **(Rus)**

[Factors of nonspecific immunity in rheumatism and similar infectious-allergic diseases] Kustova NI, et al. **Sov Med** (4):36–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of delayed hypersensitivity in patients with rheumatism] Shostak NA, et al. **Ter Arkh** 47(11):75–7, 1975 **(Rus)**

[Cytopathological analysis of the aggressiveness of circulating autoantibodies in rheumatism and rheumatoid arthritis] Benenson EV. **Vopr Revm** (4):31–8, Oct–Dec 75 (Eng. Abstr.) **(Rus)**

[Immunological aspects of the course of rheumatism] Ioffe VI, et al. **Vopr Revm** (2):12–7, Apr–Jun 75 (Eng. Abstr.) **(Rus)**

[Study of the indicators of cellular and humoral immunity in rheumatism treated with imuran] Timofeev VT, et al. **Vopr Revm** (3):37–41, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[State of phagocytosis in patients with rheumatism in low degree of its activity] Suvanov M. **Vrach Delo** (2):16–9, Feb 74 (Eng. Abstr.) **(Rus)**

[Studies of heart reactive antibodies in rheumatic fever] Gülmezoğlu E, et al. **Mikrobiyol Bul** 9(2):85–92, 1975 (Eng. Abstr.) **(Tur)**

METABOLISM

[Calcium and magnesium metabolism in patients with active rheumatism during treatment with anabolic steroids] Kuz'min IuP. **Ter Arkh** 48(5):87–90, 1976 (Eng. Abstr.) **(Rus)**

[The activity of the rheumatic process in children with neurological forms of rheumatism] Popov'ian MD, et al. **Zh Nevropatol Psikhiatr** 75(10):1475–9, 1975 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Streptococci and viruses in association with rheumatic fever in Wairoa. Chilvers CD. **NZ Med J** 82(553):377–8, 10 Dec 75

[Primary prevention of rheumatic fever. Occurrence of beta hemolytic Streptococcus of the A group in 11,314 students in Magdalena Contreras] Rodríguez RS, et al. **Bol Med Hosp Infant Mex** 32(6):991–1002, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Simplification of methods for the study of beta hemolytic Streptococcus in faryngeal exudate] Ruiz Castañeda M. **Bol Med Hosp Infant Mex** 33(2):481–5, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

MORTALITY

New Zealand trends in rheumatic fever: 1885–1971. Stanhope JM. **NZ Med J** 82(551):297–9, 12 Nov 75

OCCURRENCE

Letter: Reduction in the incidence of rheumatic fever. Gold H. **Aust Paediatr J** 11(2):93–4, Jun 75

Juvenile rheumatic fever and rheumatic heart disease at Mulago Hospital, Kampala, Uganda: some aspects of the pattern of the disease. pp. 225–8. D'Arbela PG, et al.
In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.

A global view of rheumatic fever today. pp. 381–91. Stollerman GH.
In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.

Letter: Rheumatic fever in warm climates. Garcia-Palmieri MR. **JAMA** 235(2):143, 12 Jan 76

Rheumatic fever in Colorado. A conquered disease? Rhodes P, et al. **JAMA** 234(2):157–8, 13 Oct 75

Letter: Trends in rheumatic fever. Hassall IB. **NZ Med J** 83(555):23, 14 Jan 76

Letter: Trends in rheumatic fever. Stanhope JM. **NZ Med J** 83(558):129, 25 Feb 76

Streptococcal infections, acute nephritis and rheumatic fever in Trinidad—further observations. Earle DP, et al. **Trans Am Clin Climatol Assoc** 87:224–34, 1976

[Rheumatic fever and gravidity—observed in a 5 years survey (author's transl)] Sečkařová D, et al. **Cesk Gynekol** 41(1):35–6, Mar 76 **(Cze)**

[Rheumatic fever in soldiers] Steiner S. **Vojnosanit Pregl** 32(6):619–22, Nov–Dec 75 (Eng. Abstr.) **(Ser)**

PATHOLOGY

[Study of nucleic acid metabolism in the mononuclear cells of peripheral blood and 'skin windows' in patients with active rheumatism] Matulis AA, et al. **Ter Arkh** 47(11):48–52, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Electroencephalographic study in acute rheumatic carditis. Ertugrul A, et al. **Am Heart J** 91(2):163–7, Feb 76

Ptolonged PR index in rheumatic fever. Benzing G 3d. **Am J Dis Child** 130(5):467–8, May 76

Atrioventricular conduction in children with acute rheumatic fever. Sanyal SK, et al. **Am J Dis Child** 130(5):473–6, May 76

A follow-up study of Sydenham's chorea. Bird MT, et al. **Neurology (Minneap)** 26(7):601–6, Jul 76

[Ovarian function in women with rheumatism and rheumatic heart disease] Krivitskiĭ IaE, et al. **Akush Ginekol (Mosk)** (10):46–9, Oct 75 (Eng. Abstr.) **(Rus)**

[State of microcirculation in patients with rheumatism] Kosygina AM. **Klin Med (Mosk)** 53(7):90–3, Jul 75 (Eng. Abstr.) **(Rus)**

[Development of an experimental rheumatic process and the bioelectric activity of the brain in rabbits during stimulation of the posterior hypothalamic nuclei] Leonavichene LK, et al. **Patol Fiziol Eksp Ter** (1):46–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Adrenal cortex function in children with rheumatism] Golikova TM, et al. **Pediatriia** (9):15–8, Sep 75 (Eng. Abstr.) **(Rus)**

[Sympathetic nervous system in rheumatism and rheumatoid arthritis] Liubitskaia VV. **Sov Med** (10):62–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Change of electric activity of the brain in rheumatism] Gerasimova NV, et al. **Vopr Revm** (4):26–31, Oct–Dec 75 (Eng. Abstr.) **(Rus)**

[Functional state of the cardiovascular system in adolescents with rheumatism according to the data of mechano-and polycardiographic studies] Khokhlova SM, et al. **Vopr Revm** 00(02):41–3, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[The state of cerebral and peripheral hemodynamics in patients with visceral rheumatism] Karimov IK. **Zh Nevropatol Psikhiatr** 75(11):1630–5, 1975 (Eng. Abstr.) **(Rus)**

[Gas exchange and the acid–base equilibrium in pregnancy with rheumatic fever prior to labor] Kuz'menko ZP, et al. **Pediatr Akush Ginekol** (5):44–6, 1975 **(Ukr)**

PREVENTION & CONTROL

Strep screening to prevent rheumatic fever. Boyle MT, et al. **Am J Nurs** 75(9):1487–8, Sep 75

Strep screening to prevent rheumatic fever: From project to ongoing program. Chobin N, et al. **Am J Nurs** 75(9):1489–91, Sep 75

Rheumatic fever programs in Florida: update. Ayoub EM, et al. **J Fla Med Assoc** 62(11):42–4, Nov 75

Prophylaxis of endocarditis and rheumatic fever. Dubois RE. **J Med Assoc Ga** 65(7):300–2, Jul 76

Antibiotic regimens in rheumatic heart disease. Gongaware T, et al. **Med Times** 104(6):73–4, Jun 76

[Prevention of recurrences of rheumatic fever and significance of the behavior of the antistreptolysin titer] Ciocci A. **Minerva Med** 66(80):4273–82, 24 Nov 75 **(Ita)**

[Sero-epidemiological surveillance, a method of prevention of complications of streptococcal infections] Spinu I, et al. **Rev Ig [Bacteriol]** 20(4):213–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Dispensarization of patients with rheumatism and chronic tonsillitis in a rural medical district] Alelnikova NM, et al. **Vopr Revm** 00(02):58–9, Apr–Jun 76 **(Rus)**

[Work of a specialized boarding school in complex control of rheumatism in children (according to materials of the Donetsk district)] Dats-Epshtein MS, et al. **Vopr Revm** (3):52–5, Jul–Sep 75 **(Rus)**

[Use of antirheumatic and antimicrobial drugs for the prevention of rheumatism in patients with streptococcal infection] Iasinovskiĭ MA, et al. **Vrach Delo** (2):12–6, Feb 74 **(Rus)**

THERAPY

[Effectiveness of stage-by-stage treatment of children with rheumatism] Pletneva LE. **Zdravookhr Ross Fed** (12):14–7, Dec 75 **(Rus)**

URINE

[Examination of urinary proteins in childhood rheumatic fever] Zivić R, et al. **Reumatizam** 23(3):92–5, 1976 **(Cro)**

[Urinary amino acids in glomerulonephritis and rheumatism in children] Kliukina SS, et al. **Pediatriia** (2):27–9, Feb 74 (Eng. Abstr.) **(Rus)**

[6–7 day cycle of diurnal excretion of 17-hydroxycorticosteroids and 17-ketogenic steroids in patients with rheumatism and rheumatoid arthritis] Zverev ME. **Vopr Revm** (3):34–7, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

RHEUMATIC HEART DISEASE

[Orgainc tricuspid pathology in rheumatic valvulopathies] Flammang D, et al. **Acta Cardiol (Brux)** 30(3):155–70, 1975 (Eng. Abstr.)

Rheumatic heart disease in women. Shankar PS. **Indian Heart J** 27(2):80–2, Apr 75

Editorial: Acute rheumatic fever and rheumatic heart disease. Shulman ST. **J Fla Med Assoc** 63(7):564–5, Jul 76

[The rheumatic carditis] Bolte HD. **Internist (Berlin)** 16(11):501–7, Nov 75 (17 ref.) **(Ger)**

[Heart defects in middle-aged and old persons] Smolenskiĭ VS, et al. **Sov Med** (4):54–62, Apr 75 (113 ref.) **(Rus)**

[Effect of anemia of women with rheumatic heart disease on the state of the fetus and newborn infant] Chernova GN. **Vopr Okhr Materin Det** 20(11):80–2, Nov 75 (Eng. Abstr.) **(Rus)**

[Clinico-morphological parallels in the mother-placenta-fetus system in heart defects of rheumatic etiology] Lutsenko GE. **Vopr Okhr Materin Det** 19(1):77–81, Jan 74 (Eng. Abstr.) **(Rus)**

[Materials on clinico-immunological studies in stage-by-stage treatment of children with rheumatism] Sedov KR, et al. **Vopr Okhr Materin Det** 19(2):54–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Outcome of rheumatism in patients over 50 years of age (clinico-morphological data)] Spektor AM. **Vopr Revm** (3):45–8, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Torpid and latent forms of rheumatism] Busko IL. **Vrach Delo** (12):94–6, Dec 75 (Eng. Abstr.) **(Rus)**

[Recurrence of rheumatic fever and changes of cardiac findings during the course of recurrences of the rheumatic fever] Doneva V, et al. **God Zb Med Fak Skopje** 20:305–12, 1974 (Eng. Abstr.) **(Ser)**

BLOOD

Elevated hemoglobin-A2 levels in rheumatic fever and rheumatic heart disease: a new finding. Reddi YR, et al. **Indian Pediatr** 13(2):153–4, Feb 76

[Uric acid of plasma in patients with rheumatic heart disease, rheumatoid arthritis and systemic lupus erythematosus and its dynamics during treatment] Belov VA. **Ter Arkh** 48(5):96–9, 1976 (Eng. Abstr.) **(Rus)**

[Coagulation and anticoagulation systems in blood in patients with rheumatism at remote periods after mitral commissurotomy] Busko IL. **Vrach Delo** (4):78–81, Apr 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Nosologic systemization of dislocating arthropathies of the hand (Jaccoud's syndrome; Lereboullet and Mouzon syndrome; and similar forms)] Chini V. **Reumatismo** 26(1):1–46, Jan–Mar 74 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

The natural history of rheumatic aortic regurgitation and the indications for surgery. Smith HJ, et al. **Br Heart J** 38(2):147–54, Feb 76

Echocardiography in chronic rheumatic mitral valve disease. Gross CM, et al. **Chest** 68(4):569–72, Oct 75

Monocular blindness secondary to calcific embolization. An unusual presentation of rheumatic mitral valvular disease. Pantely GA, et al. **Chest** 69(4):555–6, Apr 76

Myocardial abscess. Sainani GS, et al. **Indian Heart J** 27(1):66–8, Jan 75

Red cell hemolysis in rheumatic valvular disease and following prosthetic and heterograft valve replacement surgery: a study of 40 cases and review of literature. Krishnaswami S, et al. **Indian J Med Res** 63(1):130–50, Jan 75

Genetic syndromes and extracardiac anomalies in heart disease. Sudhakar Rao V, et al. **Indian Pediatr** 12(3):217–20, Mar 75

Jaccoud's arthritis (a report of 2 cases). Mehra KB, et al. **J Assoc Physicians India** 23(4):283–6, Apr 75

Juvenile atrial fibrillation. Prakash SK, et al. **J Assoc Physicians India** 23(3):201–4, Mar 75

Myocardial infarction complicated by rheumatic heart disease. Schoonmaker FW, et al. **J Thorac Cardiovasc Surg** 71(3):433–5, Mar 76

Rheumatic valvulitis and constrictive pericarditis. Report of case. Aryanpur I, et al. **Jpn Heart J** 16(6):749–55, Nov 75

[Thromboembolic complications in rheumatism, atherosclerosis and hypertension] Angelov A. **Vutr Boles** 14(2):36–42, 1975 (Eng. Abstr.) **(Bul)**

[Emergency renal thromboembolectomy in mitral valvulopathy with eventual correction of the valvular defect. Experience in 4 successfuily operated cases] D'Alessandro LC, et al. **Boll Soc Ital Cardiol** 20(2):151–6, 1975 (Eng. Abstr.) **(Ita)**

[Association of the interatrial septal defect of ostium secundum type and mitral valve insufficiency: incidence, hemodynamic aspects and surgical indications] Soro A, et al. **Boll Soc Ital Cardiol** 18(10):1015–9, 1973 **(Ita)**

[Left atrial calcification. Report of a case] Cimpeanu A, et al. **Rev Med Intern [Med Intern]** 27(2):149–54, Mar–Apr 75 (Eng. Abstr.) **(Rum)**

[The state of women suffering from rheumatic heart diseases in remote periods after labor] Shekhtman MM, et al. **Akush Ginekol (Mosk)** (11):49–52, Nov 75 (Eng. Abstr.) **(Rus)**

[Diagnosis of intra-atrial thrombosis in patients with rheumatic heart defects by the method of roentgenoscanning] Kaidash AN, et al. **Grudn Khir** (3):36–41, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Calcinosis of the heart valves in children and adolescents with aquired heart diseases] Ivanitskaia MA, et al. **Kardiologiia** 15(12):118–20, Dec 75 **(Rus)**

[Characteristics of cerebrovascular disorders in patients with rheumatic heart disease] Burdov AA, et al. **Klin Med (Mosk)** 53(9):41–5, Sep 75 **(Rus)**

[Case of thrombosis of the left heart cavities with obturation of the mitral aperture] Trubnikov GV, et al. **Klin Med (Mosk)** 54(2):127–9, Feb 76 **(Rus)**

[Thrombectomy from the left atrium in patients with rheumatic mitral stenosis] Kaidash AN, et al. **Sov Med** (1):128–32, Jan 76 (Eng. Abstr.) **(Rus)**

[Heart defects and myocardial infarct in dextrocardia] Pustyl'nik II. **Sov Med** (1):94–7, Jan 76 **(Rus)**

[Certain problems of clinical-occupational prognosis in rheumatic heart defects complicated by auricular fibrillation] Kogan BM, et al. **Ter Arkh** 47(7):107–12, 1975 (Eng. Abstr.) **(Rus)**

[Lactate acidosis and its influence on the course of pregnancy and labor in women with rheumatic heart disease] Mokrik GA, et al. **Vopr Okhr Materin Det** 20(9):70–2, Sep 75 (Eng. Abstr.) **(Rus)**

[Hemorrhagic complications in rheumatism and protracted septic endocarditis according to autopsy and clinical data] Gritsiuk AI. **Vrach Delo** (10):4–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Asthenic syndrome in patients with acquired heart defects] Ishchuk AI. **Vrach Delo** (6):53–5, Jun 74 **(Rus)**

[Myocardial infarct in active rheumocarditis] Prishliak VD, et al. **Vrach Delo** (8):25–6, Aug 75 **(Rus)**

[Certain clinical variants of vascular lesions in rheumatism] Vinogradov NI. **Vrach Delo** (7):86–9, Jul 75 (Eng. Abstr.) **(Rus)**

[Influence of the contractile status on the clinical results obtained after surgical correction in acquired valvulopathies] Garrido Pintor A, et al. **Rev Esp Cardiol** 28(6):509–16, 1975 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Editorial: Observations on the diagnosis of isolated rheumatic carditis. Ward C. **Am Heart J** 91(5):545–9, May 76

Letter: Rheumatic valve disease. Kloth HH. **Am J Cardiol** 37(3):454, 4 Mar 76

Absence of echocardiographic abnormalities of the anterior mitral valve leaflet in rheumatoid arthritis. Davia JE, et al. **Ann Intern Med** 83(4):500–2, Oct 75

Echocardiographic manifestation of 'false' mitral stenosis that was. Ticzon AR, et al. **Ann Intern Med** 83(4):503–5, Oct 75

Noninvasive cardiology in the pregnant and postpartum patient. Allen JW. **Clin Obstet Gynecol** 18(3):133–43, Sep 75

Rheumatic heart disease. Bulloch RT. **J Arkansas Med Soc** 72(4):177, 180, Sep 75

[Rheumatic heart disease in the aged] Goldner V, et al. **Lijec Vjesn** 96(5):282–4, Mar 74 (Eng. Abstr.) **(Cro)**

[The rheumatic carditis] Bolte HD. **Internist (Berlin)** 16(11):501–7, Nov 75 (17 ref.) **(Ger)**

[Diagnostic-therapeutic problems on heart involvement in chronic polyarthritis] Hinz G, et al. **Z Rheumatol** 34(1–2):39–48, Jan–Feb 75 (Eng. Abstr.) **(Ger)**

[The value of systolic time determinations in the diagnosis of rheumatic carditis] Nicolaescu V, et al. **Rev Med Intern [Med Intern]** 28(3):193–8, May–Jun 76 (Eng. Abstr.) **(Rum)**

[Early diagnosis of overloading of the right heart segments] Bagirova VV, et al. **Kardiologiia** 15(6):122–3, Jun 75 **(Rus)**

[Apex cardiography of the left ventricle in primary rheumocarditis in children] Daskalov I. **Kardiologiia** 16(5):136–8, MAY 76 **(Rus)**

[Meso-telesystolic sounds in children] Varik NP, et al. **Kardiologiia** 15(7):118–22, Jul 75 (Eng. Abstr.) **(Rus)**

[Diagnosis of concomitant rheumatic heart defects by simple methods] Bagirova RD. **Klin Med (Mosk)** 53(8):144–50, Aug 75 **(Rus)**

[Possibilities of certain non-invasive methods in differential diagnosis of rheumatic and arteriosclerotic heart lesions in middle-aged and old patients] Gasilin VS, et al. **Ter Arkh** 47(10):51–6, 1975 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of mitral heart defect] Vinogradova TL, et al. **Ter Arkh** 47(11):81–9, 1975 (Eng. Abstr.) **(Rus)**

[Variants of inactive phase of rheumatism in children according to the results of polyclinical observation] Bisicrina VP, et al. **Vopr Revm** (3):49–51, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Use of mathematical methods and computers for diagnosis of primary rheumocarditis in children] Kuz'mina NN, et al. **Vopr Revm** (3):22–7, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Diagnostic value of antigens of cell membranes of the myocardium for detection of the activity of rheumatic process] Nesterov AI, et al. **Vopr Revm** (3):3–10, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Errors in diagnosis of rheumatism] Pshonik SS, et al. **Vopr Revm** (3):42–8, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

Brdiček's Starovoitova GA. **Vopr Revm** 00(02):59–61, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Diagnosis of rheumatic heart disease in elderly patients] Kuplais VP, et al. **Vrach Delo** (1):44–8, Jan 74 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of rheumocarditis] Kustova NI, et al. **Vrach Delo** (1):39–42, Jan 76 (Eng. Abstr.) **(Rus)**

[Critical study of the major criteria in the diagnosis of rheumatic fever. II] Cossermelli W, et al. **Arq Bras Cardiol** 28(4):481–7, Aug 75 (43 ref.) **(Spa)**

DRUG THERAPY

Antibiotic regimens in rheumatic heart disease. Gongaware T, et al. **Med Times** 104(6):73–4, Jun 76

[Severity of rheumocarditis and the effectiveness of drug treatment] Mutin SS, et al. **Vrach Delo** (7):89–93, Jul 75 (Eng. Abstr.) **(Rus)**

[Specific stimulation of the lymphocyte blast transformation reaction in patients with rheumatism under conditions of exposure to delagil, mephenaminic acid and amidopyrine] Ponomareva AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):135–8, 1976 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Lactate dehydrogenase isoenzyme spectra in rheumatism] Matvelkov GP, et al. **Ter Arkh** 47(11):41–8, 1975 (Eng. Abstr.) **(Rus)**

[Activity of the enzymes of pentose cycle in children with rheumatic heart disease] Karpocheva MP, et al. **Vopr Revm** 00(02):70–1, Apr–Jun 76 **(Rus)**

ETIOLOGY

[Experimental study on rheumatic carditis induced by hemolytic streptococci strains 5 and 12] Nagata Y. **Acta Med (Fukuoka)** 45(4):236–61, Oct 75 (Eng. Abstr.) **(Jpn)**

[Syndrome of absence of pulse as a first clinical sign of rheumatism with subsequent development of heart defect] Gordon IB, et al. **Klin Med (Mosk)** 53(7):112–3, Jul 75 **(Rus)**

[Certain errors in the conception of the pathogenesis of rheumatism. (On the article by A.M. Monaenkova 'New theoretical aspects of the study of the pathogenesis of rheumocarditis', 'Voprosy Revmatizma' 1974, no. 1, p.3)] Sigidin IaA. **Vopr Revm** (4):49–52, Oct–Dec 75 **(Rus)**

HISTORY

An early account of rheumatic heart disease by Joseph Brown (1784–1868). Bedford DE, et al. **Med Hist** 20(1):76–9, Jan 76

IMMUNOLOGY

Serum immunoglobulins in rheumatic heart disease. Agrawal BV, et al. **Indian J Med Res** 63(4):570–5, Apr 75

HL-A antigens in Europeans and Maoris with rheumatic fever and rheumatic heart disease. Caughey DE, et al. **J Rheumatol** 2(3):319–22, Sep 75

Antimyocardial antibodies in heart diseases. II. Immunofluorescent patterns in rheumatic fever and rheumatic heart disease. Boeriu IN, et al. **Rev Roum Med [Med Intern]** 13(2):147–52, 1975

Disturbances of cellular immunity in rheumatic fever. Georgescu C, et al. **Rev Roum Med [Med Intern]** 14(3):219–25, Jul–Sep 76 (Eng. Abstr.)

[HL-A B27 associated rheumatic disease] Truog P, et al. **Schweiz Med Wochenschr** 105(50):1733–5, 13 Dec 75 (Eng. Abstr.) **(Ger)**

[The properdin titer in women with labor pathology or gynecological disease and the role of this titer in the prognosis] Malkov JJ. **Zentralbl Gynaekol** 97(17):1047–56, 1975 (Eng. Abstr.) **(Ger)**

[Etiopathogenetic role of Streptococcus] Buogo A. **Minerva Med** 66(80):4293–6, 24 Nov 75 **(Ita)**

[Possible value of the immunocytoadherence test (the rosette test) for cellular immunity studies in acquired valvular diseases] Popa IP, et al. **Rev Med Intern [Med Intern]** 28(3):185–92, May–Jun 76 (Eng. Abstr.) **(Rum)**

[Circulation of antibodies to dispiral RNA and ribosomal RNA in patients with allergies, rheumatic disease, and rheumatic arthritis] Zborovskii AB, et al. **Biull Eksp Biol Med** 79(4):89–91, Apr 75 (Eng. Abstr.) **(Rus)**

[Clinico-pathogenetic significance of anti-heart antibodies in rheumatism] Levin AI, et al. **Klin Med (Mosk)** 52(2):34–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Study of migrative capacity of leukocytes in patients with rheumatism in autoculture. Phenomenon of spontaneous migration of leukocytes] Borisova AM. **Ter Arkh** 47(11):71–5, 1975 (Eng. Abstr.) **(Rus)**

[Effect of quinoline derivatives on the state of phagocytosis in patients with rheumatism] Siurin AA, et al. **Ter Arkh** 47(11):78–81, 1975 (Eng. Abstr.) **(Rus)**

[Study of circulating antibodies to antigens of human and bovine connective tissue of the heart in blood sera of patients with rheumatism] Fedorva NM, et al. **Vopr Revm** 00(02):36–41, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Clinico-diagnostic importance of Steffen's reaction in rheumatism and similar infectious-allergic diseases] Iasakova OI, et al. **Vopr Revm** (2):25–7, Apr–Jun 75 (Eng. Abstr.) **(Rus)**

[Cytopathic effect of lymphocytes of patients with rheumatic heart defects on cultured allogenic fibroblasts] Karpov RS, et al. **Vopr Revm** 00(02):10–3, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Certain immunological indicators in rheumatism with different degree of severity] Plisak LM. **Vrach Delo** (6):55–9, Jun 74 (Eng. Abstr.) **(Rus)**

METABOLISM

[Oxygen deficiency in rheumatism] Rapoport ZhZ, et al. **Pediatriia** (9):19–22, Sep 75 (Eng. Abstr.) **(Rus)**

[Change of certain indicators of lipid metabolism in children with rheumatism and circulatory insufficiency] Shamsiev SSh, et al. **Pediatriia** (9):22–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Trace elements and vitamin C metabolism in patients with torpid rheumatism] Pshetakovskii IL. **Vrach Delo** (1):35–9, Jan 76 (Eng. Abstr.) **(Rus)**

[Characteristics of trace element distribution in the placentas of parturients with heart defects] Lutsenko GE, et al. **Pediatr Akush Ginekol** :40–2, May–Jun 76 **(Ukr)**

[Role of metabolic disorders in pregnant women with rheumatic heart defects in causing pathology to the fetus and the newborn infant] Mokrik GA, et al. **Pediatr Akush Ginekol** :38–40, May–Jun 76 **(Ukr)**

MORTALITY

Rheumatic cardiac disease in pregnancy. Long-term followup. Chesley LC. **Obstet Gynecol** 46(6):699–705, Dec 75

OCCURRENCE

Chronic rheumatic valvular heart disease. An autopsy study. Hallorímsson J. **Acta Pathol Microbiol Scand [A]** 83(6):633–8, Nov 75

Epidemiology of rheumatic heart disease in black shcoolchildren of Soweto, Johannesburg. McLaren MJ, et al. **Br Med J** 3(5981):474–8, 23 Aug 75

Letter: Rheumatic heart disease in South Africa. Spodick DH. **Br Med J** 4(5996):579, 6 Dec 75

Rheumatic heart disease in children in developing countries. Antia AU, et al. **Ghana Med J** 10(1):9–13, Mar 71

Juvenile rheumatic fever and rheumatic heart disease at Mulago Hospital, Kampala, Uganda: some aspects of the pattern of the disease. pp. 225–8. D'Arbela PG, et al. **In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.**

A reappraisal of pattern of cardiovascular disorders in India. Agarwal BL. **J Indian Med Assoc** 65(5):125–9, 1 Sep 75

[ABO blood-group phenotypes and pathogenesis of cardiovascular diseases. Congenital, rheumatic and coronaric heart disease and arterial hypertension (author's transl)] Galeazzi L, et al. **G Ital Cardiol** 5(5):744–51, 1975 (Eng. Abstr.) **(Ita)**

[Incidence of rheumatism among workers of metallurgical industry] Nozhkina TI. **Vopr Revm** (3):56–7, Jul–Sep 75 **(Rus)**

PATHOLOGY

Lung, pericardial and left atrial biopsies in rheumatic mitral stenosis. Patney NL, et al. **Indian Heart J** 27(1):51–6, Jan 75

Germinal centre and plasma cell reaction of the thymus in rheumatic heart disease. Bhuyan UN. **Indian J Med Res** 63(7):970–8, Jul 75

Rheumatoid arthritis with rheumatoid heart disease and granulomatous aortitis. Reimer KA, et al. **JAMA** 235(23k0):2510–2, 7 Jun 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 25–1976. **N Engl J Med** 294(25):1391–8, 17 Jun 76

[Characteristics of the microscopic changes in the heart atria in rheumatic valvular defects. An analysis of 1000 cases in which commissurotomy or valvular prosthesis have been performed] Dimitrov D, et al. **Khirurgiia (Sofiia)** 29(2):125–30, 1976 (Eng. Abstr.) **(Bul)**

[Some problems in rheumatic valvular defects] Malamov E, et al. **Vutr Boles** 14(4):107–12, 1975 (Eng. Abstr.) **(Bul)**

[Incidence of rheumatic endocarditis in necropsies with special mention of slight valvular fibrosis. Retrospective study of the 1965–1970 period] de Faria JL, et al. **Rev Assoc Med Bras** 21(11):335–7, Nov 75 (Eng. Abstr.) **(Por)**

[Morphological study of the heart valves formed from the fascia lata femoris after their implantation because of a rheumatic defect] Ptashekas RS, et al. **Arkh Patol** 37(7):33–7, 1975 (Eng. Abstr.) **(Rus)**

[Comparison of the nature of morphological reactions in the heart in patients with rheumatism and experimental animals in disease modeling] Akhnazarova VD. **Vopr Revm** 00(02):3–10, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Changes in blood vessels of the lungs in rheumatism] Bagirova VV, et al. **Vopr Revm** 00(02):21–6, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Pathomorphological changes in the lymphatic system of the heart in recurrent rheumocarditis] Naida AI, et al. **Vrach Delo** (4):76–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the human myocardium in inactive

rheumatic fever] Jiménez Cardoso JM, et al. **Bol Med Hosp Infant Mex** 33(4):923–31, Jul–Aug 76 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Prediction of pulmonary arterial pressures from electrovectorcardiographic data in pediatric patients with rheumatic mitral valve disease. Shakibi JG, et al. **J Electrocardiol** 9(1):29–34, 1976

HIS bundle electrogram in rheumatic mitral valve disease with special reference to Bachmann's bundle block in P mitrale. Lee YS, et al. **Jpn Circ J** 39(8):935–45, Aug 75

[Inverse dynamics in atrioventricular conduction in rheumatic myocarditis] Popov B, et al. **Vutr Boles** 14(4):29–32, 1975 (Eng. Abstr.) **(Bul)**

[Ovarian function in women with rheumatism and rheumatic heart disease] Krivitskiĭ IaE, et al. **Akush Ginekol (Mosk)** (10):46–9, Oct 75 (Eng. Abstr.) **(Rus)**

[The problem of occupational fitness of adolescents with compensated rheumatic heart diseases] Antonova LT, et al. **Gig Sanit** (10):32–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Functional and morphological changes of the adrenal cortex in certain acquired and congenital heart defects] Ivashkevich EI, et al. **Grudn Khir** (3):41–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Statistical analysis of cardiac rhythm with the use of moments of higher orders (asymetry and excess)] Sidorenko GI, et al. **Kardiologiia** 15(12):96–9, Dec 75 (Eng. Abstr.) **(Rus)**

[State of the cardiovascular system in adolescents in an inactive phase of rheumatism without heart–valvular defects at rest and after exercise] Shul'gina MA. **Pediatriia** (2):59–63, 1976 (Eng. Abstr.) **(Rus)**

[State of the central hemodynamics in children with acquired and congenital heart defects according to radiocardiography with I131–hippuran] Tatochenko ZA, et al. **Pediatriia** (2):38–42, 1976 (Eng. Abstr.) **(Rus)**

[Function of external respiration in patients with rheumatic heart disease] Beliaeva SI, et al. **Ter Arkh** 47(12):128–9, 1975 **(Rus)**

[State of renal and central hemodynamics in circulatory insufficiency, according to methods of radioindication] Efimov ON, et al. **Ter Arkh** 48(5):122–5, 1976 **(Rus)**

[Effect of physical training on the body of school–children of a dispensary group with cardiovascular pathology] Beliaeva NV. **Vopr Okhr Materin Det** 19(2):63–5, Feb 74 **(Rus)**

[Peripheral vascular resistance in healthy and rheumatic children] Orlova NV. **Vopr Okhr Materin Det** 20(10):23–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Glucocorticoid function of the adrenal cortex in pregnant women with rheumatic heart disease depending on the stage of circulatory disorder] Palladi GA, et al. **Vopr Okhr Materin Det** 19(4):69–73, Apr 74 (Eng. Abstr.) **(Rus)**

[Hemodynamics of the lesser circulation in patients with primary rheumatic heart disease, myocarditis of non–rheumatic etiology and tonsillogenic dystrophy of the myocardium] Goloshchapov OA, et al. **Vopr Revm** 00(02):66–70, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Method of biomicroscopy of the conjunctiva vessels in the study of the functional state of microcirculation in patients with rheumatism] Kosygina AM. **Vopr Revm** (3):31–4, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Rheohepatography in rheumatism] Matveĭkov GP, et al. **Vopr Revm** 00(02):51–7, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Certain mechanisms of disorder of contractile ability of the myocardium in patients with rheumatism] Kishko NM, et al. **Vrach Delo** (9):30–2, Sep 75 (Eng. Abstr.) **(Rus)**

[Hemodynamics of the lessor circulation in patients with hypertensive disease, acquired heart defects and chronic pneumonia] Sarvanov AM, et al. **Vrach Delo** (8):47–51, Aug 75 (Eng. Abstr.) **(Rus)**

[Activity of renin and diurnal excretion of aldosterone in patients with heart defects with circulatory insufficiency] Shushliapin OI. **Vrach Delo** (4):73–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Clinico–functional characteristics of decompensated mitral valve defect under conditions of high altitude] Iusupova NIa. **Zdravookhr Kirg** (2):6–11, Mar–Apr 75 **(Rus)**

PREVENTION & CONTROL

[Procedures and structures for primary and secondary prevention of rheumatic cardiopathies] Giobbi A. **Minerva Med** 66(80):4299–304, 24 Nov 75 **(Ita)**

[On the subject of occurrence and prevention of rheumatic disease in childhood] Tangheroni W. **Minerva Med** 66(88 Suppl):5–10, Dec 75 **(Ita)**

[Certain urgent problems of rheumatism in children] Dolgopolova AV. **Pediatriia** (9):3–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Work of a specialized boarding school in complex control of rheumatism in children (according to materials of the Donetsk district)] Dats–Epshteln MS, et al. **Vopr Revm** (3):52–5, Jul–Sep 75 **(Rus)**

[Effect of anti–recurrence treatment and health of the oral cavity on the activity of rheumatism] Konakova NM, et al. **Vrach Delo** (3):27–9, Mar 76 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The significance of the left atrial appendage in rheumatic heart disease. Kelley MJ, et al. **Circulation** 54(1):146–53, Jul 76

[Roentgenokymography in diagnosis of myocardial lesions in rheumatism and collagenoses] Gusev NM. **Sov Med** (1):45–8, Jan 76 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Physical and psychological rehabilitation of patients operated on for rheumatic heart defects] Gromova GV, et al. **Grudn Khir** (3):38–42, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Role of climate therapy in the rehabilitation of patients with active rheumatism and mechanisms of action of health resort factors] Ostapchuk IF. **Vopr Revm** (2):53–7, Apr–Jun 75 **(Rus)**

SURGERY

Persistence of the third heart sound after resection of the native mitral and tricuspid valves. Evidence against the valvular theory of third sound origin. Towne WD, et al. **Chest** 70(1):100–2, Jul 76

Functional evaluation of the porcine heterograft in the mitral position. Johnson AD, et al. **Circulation** 52(2 Suppl 1):40–8, Aug 75

Rheumatic mitral regurgitation. The case for annuloplasty in the pediatric age group. Stevenson JG, et al. **Circulation** 52(2 Suppl 1):49–51, Aug 75

Surgery for rheumatic tricuspid valve disease in children. Merin G, et al. **J Cardiovasc Surg (Torino)** 17(4):306–13, Jul–Aug 76

Quadruple valve commissurotomy. Borman JB, et al. **J Thorac Cardiovasc Surg** 70(4):712–6, Oct 75

[Mechanical damage to the Cross–Jones type mitral valve 8 years after implantation. Surgical management] Bartek I, et al. **Orv Hetil** 117(10):603–4, 7 Mar 76 **(Hun)**

[Triple valve sunbstitution with dura mater. Report of a case] Puig LB, et al. **Arq Bras Cardiol** 29(1):59–63, Feb 76 (Eng. Abstr.) **(Por)**

[Post–pericardiotomy syndrome associated with erythema nodosum] Zeană C. **Rev Med Intern [Med Intern]** 28(3):223–6, May–Jun 76 **(Rum)**

[Morphology of the lungs during various periods of artificial ventilation after surgical correction of heart disease] Kniazeva GD, et al. **Kardiologiia** 16(1):110–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Change of immunohematologic indicators of blood in patients operated on under conditions of artificial circulation with the use of defrosted erythrocytes] Dmitrieva VA, et al. **Probl Gematol Pereliv Krovi** 20(9):15–7, Sep 75 (Eng. Abstr.) **(Rus)**

THERAPY

Problems in management of the pregnant patient with rheumatic heart disease and valve prosthesis. McCans JL, et al. **South Med J** 69(8):1007–10, Aug 76

[Experience in the organization of staged treatment of children with rheumatism in the sanatorium 'Krasnaia Pakhra'] Pishchik VA. **Pediatriia** (1):70–1, Jan 74 **(Rus)**

[Cardiorheumatological rooms in pediatric polyclinics in Tomsk] Zemliakova EM, et al. **Pediatriia** (9):67–9, Sep 75 **(Rus)**

[Perspectives of development and improvement of cardio–rheumatological service (concerning the article by V.A. Nasonova, E.N. Maksakova and A.Iu. Bolotina 'Certain Results and Perspectives of Development of Rheumatological Service' published in 'Terapevticheskii Arkhiv' 1973, no.3)] Rybkin LI. **Ter Arkh** 48(1):78–9, 1976 **(Rus)**

[Effectiveness of staged sanatorium–health resort treatment of adolescents with rheumatic diseases of the cardiovascular system in Kislovodsk] Antonova LT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):517–9, Nov–Dec 75 **(Rus)**

[Experience in work organization for the prevention of the meteotropic reaction on at the K.E. Voroshilov Sanatorium in Sochi] Aznaur'ian MS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):332–5, Jul–Aug 75 **(Rus)**

RHEUMATIC NODULE

COMPLICATIONS

Spinal cord compression by a rheumatoid nodule. Fairburn B. **J Neurol Neurosurg Psychiatry** 38(11):1056–8, Nov 75

RHEUMATISM

Rheumatology: an annotated bibliography of recent literature. References to journal articles and other papers. **Ann Intern Med** 85(2):264–9, Aug 76

Introduction to the Joseph J. Bunim Memorial Lecture. Lamont–Havers RW. **Arthritis Rheum** 19(4):655, Jul–Aug 76

Geographic distribution of consultant rheumatologists in the United States—1975. McCarty D. **Arthritis Rheum** 19(1):56–8, Jan–Feb 76

American Rheumatism Association. Presidential address. Whither or wither. Shulman LE. **Arthritis Rheum** 19(1):29–37, Jan–Feb 76

Editorial: Arthritis and rheumatism. Bellows JG, et al. **Compr Ther** 2(2):3–4, Jul 76

Palindromic rheumatism. Gupta S. **J Assoc Physicians India** 23(4):287–90, Apr 75

Editorial: Specialty of rheumatology – manpower requirements. Ogryzlo MA. **J Rheumatol** 2(1):1–4, Mar 75

Cavitary pulmonary lymphosarcoma masquerading as rheumatoid lung disease. Sahn SA. **JAMA** 235(25):2751–2, 21 Jun 76

Effects of weather on rheumatism. Rose MB. **Physiotherapy** 60(10):306–9, Oct 74

Discovering problems—seek and ye shall find. Wright V. **Physiotherapy** 61(12):360–4, Dec 75

Aspects of the psychology and epidemiology of rheumatoid disease. Crown S, et al. **Psychol Med** 5(3):291–9, Aug 75

Symposium on teaching rheumatology and rehabilitation. 1. Objectives. Glanville HJ. **Rheumatol Rehabil** 15(1):35–7, Feb 76

Teaching Rheumatology and Rehabilitation. 4. Objectives in undergraduate training. Wood PH. **Rheumatol Rehabil** 15(1):43–4, Feb 76

Undergraduate teaching of rheumatology. Wright V. **Rheumatol Rehabil** 15(1):40–3, Feb 76

Fifteenth Nordic Congress of Rheumatology. Oslo, Norway, 10th–12th June, 1974. **Scand J Rheumatol** 4(3):97–117, 1975

Social agencies—organization and function. de Blécourt J, et al. **Scand J Rheumatol [Suppl]** (12 suppl):155, 1975

[Belgian Society of Rheumatology. 1975] **J Belge Rhumatol Med Phys** 30(2):118–26, Mar–Apr 75 **(Fre)**

[Soft tissue rheumatism. Painful changes in tendons, fasciae and bursae, isthmic and compression syndromes] Barz B. **Med Klin** 71(31):1262–70, 30 Jul 76 (12 ref.) **(Ger)**

[Problems of definition and of nomenclature in rheumatology (author's transl)] Mathies H. **Munch Med Wochenschr** 117(32–33):1321–6, 8 Aug 75 (Eng. Abstr.) **(Ger)**

[Judgement and treatment of rheumatic diseases in the general practice (author's transl)] Böhni H. **Ther Umsch** 32(11):713–22, Nov 75 (Eng. Abstr.) **(Ger)**

[Epidemiological aspects and diagnostic considerations of the activity of specialist department in rheumatology and of a rheumatology center] Giordano M, et al. **Reumatismo** 24(2):164–8, Apr–Jun 72 **(Ita)**

[Letter: Discussion between professor of medicine Foss Hauge and Kåss] Bragstad A. **Tidsskr Nor Laegeforen** 96(13):785–6, 10 May 76 **(Nor)**

[Letter: Rheumatism and uprightness] Seyffarth H. **Tidsskr Nor Laegeforen** 96(12):726–7, 30 Apr 76 **(Nor)**

[Fulfillments of the problem–related plan concerning 'Rheumatism and joint diseases' in 1974] Nesterov AI, et al. **Vopr Revm** (4):62–71, Oct–Dec 75 **(Rus)**

BLOOD

Zeta sedimentation ratio in rheumatic disease. Comparison of the zeta sedimentation ratio with the Wintrobe and Westergren sedimentation rates. Bucher WC, et al. **Am J Clin Pathol** 64(5):613–7, Nov 75

[Content of vitamin K in healthy subjects and patients with internal organ diseases] Roshkovich Iuv, et al. **Vrach Delo** (4):83–5, Apr 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Is there a taxonomy of the rheumatic diseases? pp. 615–8. Bywaters EG. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (4 ref.)

Nomenclature and classification of rheumatic diseases. Wood PH, et al. **Scand J Rheumatol [Suppl]** (12 suppl):142–3, 1975

COMPLICATIONS

Joint effusions, chondrocalcinosis and other rheumatic manifestations in hypothyroidism. A clinicopathologic study. Dorwart BB, et al. **Am J Med** 59(6):780–90, Dec 75

Prognostic value of early features in rheumatoid disease. Fleming A, et al. **Br Med J** 1(6020):1243–5, 22 May 76

Extra–articular features in early rheumatoid disease. Fleming A, et al. **Br Med J** 1(6020):1241–3, 22 May 76

Cytomegalovirus infection in patients receiving immunosuppressive therapy for rheumatologic disorders. Dowling JN, et al. **J Infect Dis** 133(4):399–408, Apr 76

Malignant lymphoma and rheumatic symptoms. Nilsen KH. **NZ Med J** 83(563):320–2, 12 May 76

Therapy of anxiety in patients with rheumatic disease: crossover double–blind study comparing lorazepam with placebo. Titton JA, et al. **Psychosomatics** 16(3):120–3, 1975

Psychiatric aspects of rheumatic disorders. Wolkind S. **Rep Rheum Dis** (57):1, Oct 75

Free rheumatoid factor in dental periapical lesions and gingivae of patients with rheumatoid disease. Malmström M, et al. **Scand J Rheumatol** 4(3):121–4, 1975

Amyloidosis in rheumatoid disease. Missmahl HP, et al. **Scand J Rheumatol [Suppl]** (12 suppl):149–50, 1975

[Rheumatological calcinoses] Ythier M. **Phlebologie** 28(4):545–9, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Socio–medical significance of the spinal syndrome and soft tissue rheumatism] Ebersbach W. **Hippokrates** 47(3):287–98, Aug 76 **(Ger)**

[Treatment of chronic obstipation with Laxariston granulate in patients with rheumatic diseases] Fotiades P, et al. **Med Welt** 27(30):1441–5, 23 Jul 76 **(Ger)**

[Pains of the legs. the rheumatoid point of view (author's transl)] Bruhin A. **Praxis** 64(43):1372–82, 28 Oct 75 (Eng. Abstr.) **(Ger)**

[Acute rheumatic encephalitis (clinical case)] Pasquali I, et al. **Boll Soc Ital Cardiol** 18(11):1112–6, 1973 (Eng. Abstr.) **(Ita)**

[Myopericarditis in rheumatic disease] Vukotić D. **Vojnosanit Pregl** 33(2):102–5, Mar–Apr 76 **(Ser)**

[Damage to the teeth and periodontal tissues in rheumatic children] Bibik SM. **Pediatr Akush Ginekol** (2):25–6, Mar–Apr 76 **(Ukr)**

DIAGNOSIS

Thermography and rheumatic diseases. Ring EF. **Bibl Radiol** (6):97–106, 1975 (16 ref.)

Mixed connective tissue disease. Sharp GC. **Bull Rheum Dis** 25(9):828–31, 1974–75

Synovial fluid analysis and its clinical significance. Hüttl S, et al. **Scand J Rheumatol [Suppl]** (12 suppl):148–9, 1975

[Electromyography and rheumatology (author's transl)] Onkelinx A, et al. **J Belge Rhumatol Med Phys** 30(5–6 SPEC NO):270–9, Sep–Dec 75 (Eng. Abstr.) **(Fre)**

[Clinical aspects, diagnosis and differential diagnosis of degenerative-rheumatic spinal diseases] pp. 52–74. Günther R.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. **(Ger)**

[Rheumatic infection and congenital hypoproconvertinemia] Lange MM, et al. **Minerva Pediatr** 27(26):1433–6, 18 Aug 75 (Eng. Abstr.) **(Ita)**

[Value of routine laboratory tests in the diagnosis of rheumatic disease] Kåss E. **Tidsskr Nor Laegeforen** 95(32):1851–3, 20 Nov 75 **(Nor)**

[Diagnosis of rheumatism in children using criteria obtained by the cybernetic method] Benevolenskaia LI, et al. **Pediatriia** (9):8–15, Sep 75 (Eng. Abstr.) **(Rus)**

[Errors in diagnosis of rheumatism] Pshonik SS, et al. **Vopr Revm** (3):42–8, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Importance of bacteriological and immunological studies of the palatine tonsils for the diagnosis of the prerheumatic state in children with chronic decompensated tonsillitis] Balak NP. **Pediatr Akush Ginekol** :7–9, May–Jun 76 **(Ukr)**

[Differential diagnosis of osteomyelitic coxitis and rheumatism in children] Sitkovskiĭ NB, et al. **Pediatr Akush Ginekol** :12–3, May–Jun 76 **(Ukr)**

DRUG THERAPY

New approaches to anti-rheumatic drugs. Huskisson EC. **Agents Actions** 6(1–3):342–5, Feb 76

Editorial: Antirheumatic drugs: plenty is not enough. **Br Med J** 1(6001):59–60, 10 Jan 76

Clinical studies on alclofenac in the treatment of rheumatic diseases: a drug in question. Aylward M. **Curr Med Res Opin** 3(5):274–85, 1975 (43 ref.)

European experiences with tolmetin in the treatment of rheumatic diseases. Maibach E. **Curr Ther Res** 19(3):350–62, Mar 76

Which antirheumatic drug? Hart FD. **Drugs** 11(6):451–60, 1976 (9 ref.)

An investigation of the possible relationship between electronic structure and antirheumatic activity in the hydroxybenzoic acids. Catalán J, et al. **Experientia** suppl 23:177–83, 1976

Modern drug therapy in rheumatic diseases. Molony J. **Ir Med J** Suppl:36–7, Jun 75

The influence of treatment on the natural history of rheumatoid disease. Eade AW. **J R Coll Physicians Lond** 10(2):170–176, Jan 76

Absence of toxic or therapeutic interaction between penicillamine and previously administered gold in a trial of penicillamine in rheumatoid disease. **Postgrad Med J** 50 Suppl 2:77–8, Aug 74

Trade names or approved names. Part III. Special cases. Anti-rheumatic drugs. Currey HL. **Postgrad Med J** 50(580):109–11, Feb 74

The anti-inflammatory agents used in rheumatic disorders. Roe RL. **Primary Care** 2(2):259–73, Jun 75

Clinical study of a new anti-inflammatory and analgesic compound, benorylate, in rheumatic disorders. Doury P, et al. **Scand J Rheumatol [Suppl]** (13):33–6, 1975

Penicillamine treatment. Golding T, et al. **Scand J Rheumatol [Suppl]** (12 suppl):130–1, 1975

Benorylate: a report on 2 years' experience of its use in rheumatoid arthritis and other chronic rheumatic diseases. Hingorani K. **Scand J Rheumatol [Suppl]** (13):29–32, 1975

Medical treatment of chronic inflammatory rheumatic diseases. Kahn MF. **Scand J Rheumatol [Suppl]** (12 suppl):97–104, 1975

Cytostatic treatment. Lorenzen I, et al. **Scand J Rheumatol [Suppl]** (12 suppl):117–8, 1975

Interaction of antirheumatic drugs. van der Korst JK, et al. **Scand J Rheumatol [Suppl]** (12 suppl):153, 1975

[Therapeutic effectiveness and general tolerance of Voltaren in short-term administration] Kapor M. **Reumatizam** 23(2):57–60, 1976 **(Cro)**

[Long-term experiences with local administration of Depo-Medrol (methylprednisolone acetate) in the treatment of various rheumatic diseases] Krampač I. **Reumatizam** 22(5):177–81, 1975 **(Cro)**

[Dorsilon and its clinical use in rheumatological practice] Jechová D, et al. **Fysiatr Reumatol Vestn** 53(5):289–93, Oct 75 (Eng. Abstr.) **(Cze)**

[Clinical application of fast acting anti-rheumatic and antiphlogistic agents] Dequeker J, et al. **J Belge Rhumatol Med Phys** 30(1):28–42, Jan–Feb 75 **(Dut)**

[Clinical double blind study of a new prolonged-action local anesthetic: Lephetamine] Famaey JP, et al. **Brux Med** 56(1):21–6, Jan 76 (Eng. Abstr.) **(Fre)**

[Protizinic acid in rheumatoid diseases (apropos of 43 studies in a tropical environment)] Ducloux M. **Bull Soc Med Afr Noire Lang Fr** 20(3):299–303, 1975 (Eng. Abstr.) **(Fre)**

[Clopirac effectiveness in traumatology and non articular rheumatisms (author's transl)] Diverse P. **J Belge Rhumatol Med Phys** 30 Spec no:152–9, 1975 (Eng. Abstr.) **(Fre)**

[Open study of clopirac in the treatment of non articular rheumatism (author's transl)] Famaey JP. **J Belge Rhumatol Med Phys** 30 Spec no:160–8, 1975 (Eng. Abstr.) **(Fre)**

[Clinical trial of 1-p-chlorophenyl-2,5-dimethyl-3-pyrrole acetic acid (clopiran) (author's transl)] Gustin R, et al. **J Belge Rhumatol Med Phys** 30 Spec no:233–8, 1975 (Eng. Abstr.) **(Fre)**

[Studies of the therapeutic effectiveness of clopirac in non articular rheumatism (author's transl)] Wauters M. **J Belge Rhumatol Med Phys** 30 Spec no:144–51, 1975 (Eng. Abstr.) **(Fre)**

[Clinical study of clopirac in osteoarthritis and non articular rheumatisms (author's transl)] Weissenbach R. **J Belge Rhumatol Med Phys** 30 Spec no:174–81, 1975 **(Fre)**

[Corticoid withdrawal, local corticotherapy and articular injections in rheumatology] Galmiche P. **Rev Stomatol Chir Maxillofac** 76(5):363–7, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Patient compliance with drug prescriptions. General problem and the special case of rheumatology] Dreiser R, et al. **Sem Hop Paris** 52(24):1429–34, 23 Jun 76 (Eng. Abstr.) **(Fre)**

[Therapeutic study of Ibuprofen in consultation in rheumatology] Illouz G. **Sem Hop Ther** 51(4):265–8, Apr 75 **(Fre)**

[Pharmacotherapy of rheumatic diseases] Seidel K, et al. **Beitr Rheumatol** 21:1–203, 1975 (926 ref.) **(Ger)**

[Letter: Levamisol in therapy of inflammatory rheumatic diseases and sarcoidosis] Trabert U, et al. **Dtsch Med Wochenschr** 100(44):2297–8, 31 Oct 75 **(Ger)**

[Neurotropic vitamins in rheumatic diseases] Engel P. **Fortschr Med** 93(34):1745–7, 4 Dec 75 **(Ger)**

[Voltaren (Diclofenac)] Chlud K. **Hippokrates** 47(3):269–71, Aug 76 **(Ger)**

[Results of short-term management with Voltaren in comparison to indomethacin and placebo in soft tissue rheumatism] pp. 59–60. Schultis K.
In: Wagenhäuser RJ, ed. Voltaren (Diclofenac). Bern, Huber, 1976. WE 344 V935 1975. **(Ger)**

[Drug therapy of rheumatic diseases] Chlud K. **Med Welt** 26(45):2044–50, 7 Nov 75 (23 ref.) **(Ger)**

[Ambulatory care of rheumatic children] Kölle G. **Monatsschr Kinderheilkd** 124(4):182–4, Apr 76 **(Ger)**

[Synthetic ACTH in rheumatic diseases: (author's transl)] Hieber F. **Munch Med Wochenschr** 117(46):1849–52, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Letter: Synthetic ACTH in rheumatic diseases. Münch. med. Wschr. 117 (1975) 1849] Schilling F. **Munch Med Wochenschr** 118(17):549, 23 Apr 76 **(Ger)**

[Evaluation of a new antirheumatic agent in general practice (author's transl)] Mauracher E, et al. **Praxis** 64(39):1254–60, 30 Sep 75 (Eng. Abstr.) **(Ger)**

[Clinical experience with Menthoneurin ointment in rheumatic diseases] Engel P. **Z Allgemeinmed** 51(29):1328–9, 20 Oct 75 **(Ger)**

[Experiences in the management of rheumatoid diseases using different clofezone doses] Celik CM. **Z Rheumatol** 35(5–6):240–7, May–Jun 76 (Eng. Abstr.) **(Ger)**

[Testing the efficiency of ointments containing flufenamic acid in rheumatic diseases in a controlled trial] Frankhof W, et al. **ZFA** 52(1):50–2, 10 Jan 76 **(Ger)**

[Experience with arthro-Menthoneurin gel in general practice] Nickel M. **ZFA** 52(3):152–3, 31 Jan 76 **(Ger)**

[Antirheumatic drugs in rural practice] Röhrle E. **ZFA** 52(14):752–4, 20 May 76 **(Ger)**

[Experiences in the therapeutic efficacy of a combined preparation for the treatment of joint disorders of degenerative and rheumatic type] Guerzoni PL. **Clin Ter** 73(2):113–25, 30 Apr 75 **(Ita)**

[Pyrasanone in the treatment of rheumatism] Pellegrini P, et al. **Minerva Med** 66(67):3509–33, 10 Oct 75 (Eng. Abstr.) **(Ita)**

[Clinical studies on the use of pyrazanone with special regard to its tolerance] D'Ingianna E. **Reumatismo** 26(3):196–7, Jul–Sep 74 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of anti-rheumatic drugs: experimentation by ordeal?] Grennan DM, et al. **Reumatismo** 26(1):47–67, Jan–Mar 74 (Eng. Abstr.) **(Ita)**

[Mechanism of action and indications of coacervated aspirin] Simplicio F, et al. **Reumatismo** 24(3):183–99, Jul–Sep 72 (Eng. Abstr.) **(Ita)**

[Treatment of rheumatic diseases with corticosteroids] Husby G. **Tidsskr Nor Laegeforen** 95(31):1797–9, 10 Nov 75 **(Nor)**

[Methoxypropriocin in the treatment of inflammatory and degenerative diseases of the locomotor system] Tkaczewski W, et al. **Pol Tyg Lek** 31(9):371–2, 1 Mar 76 (Eng. Abstr.) **(Pol)**

[Use of brufen in rheumatological practice] Denisov LN, et al. **Ter Arkh** 48(5):82–7, 1976 (Eng. Abstr.) **(Rus)**

[Pharmacological properties of derivatives of ortho-oxybenzoic (salicylic) acid (review of the literature)] Trinus FP, et al. **Vrach Delo** (3):5–12, Mar 74 **(Rus)**

[Perclusone in the treatment of rheumatism] Arsov D, et al. **God Zb Med Fak Skopje** 20:581–4, 1974 **(Ser)**

[Toxicologic significance of salicylates in rheumatology] Vrečenić M. **Med Pregl** 28(7–8):341–4, 1975 **(Ser)**

[Experience with azapropazone in rheumatology] Gómez G, et al. **Rev Esp Reum Enferm Osteoartic** 18(3):178–89, 1975 **(Spa)**

[Ibuprofen (Brufen) and naproxen (Naprosyn)] Alván G. **Lakartidningen** 73(9):740, 25 Feb 76 **(Swe)**

[Immunosuppressive treatment of rheumatologic diseases] Olhagen B. **Lakartidningen** 73(17):1628–33, 21 Apr 76 (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

Connective tissue lysozyme in health and disease. Greenwald RA. **Semin Arthritis Rheum** 6(1):35–51, Aug 76 (141 ref.)

[New research on synovial enzymology] Galmiche P, et al. **Rev Rhum Mal Osteoartic** 43(5):339–43, May 76 (Eng. Abstr.) **(Fre)**

[Enzyme studies in rheumatic diseases] Mardare G, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):385–91, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Results and perspectives of enzymological studies in rheumatism] Zborovskiĭ AB, et al. **Sov Med** (1):57–64, Jan 76 (99 ref.) **(Rus)**

ETIOLOGY

Rheumatic disease during the course of known viral infections: models for the possible pathogenesis of rheumatoid arthritis. pp. 205–10. Phillips PE.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (20 ref.)

Can chlamydial infections cause rheumatic disease? pp. 151–7. Schachter J.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (37 ref.)

Evidence for a viral aetiology of rheumatoid synovitis. pp. 213–24. Smith C, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (67 ref.)

Do mycoplasmas cause rheumatic disease? pp. 177–86. Taylor-Robinson D, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (64 ref.)

How far can rheumatic diseases be viewed as immunopathological responses to microbial infection? pp. 627–34. Ziff M.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (41 ref.)

The role of lysosomes in the pathogeny of disease. de Duve C. **Scand J Rheumatol [Suppl]** (12 suppl):63–6, 1975

[Rheumatic diseases in the Berlin fire department] Paetzel P. **Zentralbl Arbeitsmed** 25(9):275–7, Sep 75 **(Ger)**

[Musculoskeletal symptoms in myxedema] Scharf J, et al. **Harefuah** 89(2):73–4, 15 Jul 75 (Eng. Abstr.) **(Heb)**

FAMILIAL & GENETIC

[Intermittent rheumatism revealing a familial syndrome. Arthritis—urticarian eruptions—deafness: Muckle-Wells syndrome without kidney amylosis] Prost A, et al. **Rev Rhum Mal Osteoartic** 43(3):201–8, Mar 76 (Eng. Abstr.) **(Fre)**

HISTORY

Are there changing patterns of rheumatic disease? pp. 623–6. Shulman LE.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.

[M.P. Konchalovskiĭ – an outstanding Soviet therapeutist-rheumatologist] Nesterov AI. **Klin Med (Mosk)** 53(10):11–3, Oct 75 **(Rus)**

[Socio-hygienic aspects of the study of rheumatism in USSR in the twenties and thirties (on the centenary of the birth of N. A. Semashko)] Shishkin AP. **Vopr Revm** (2):3–6, Apr–Jun 75 **(Rus)**

IMMUNOLOGY

Joseph J. Bunim Memorial Lecture. HLA-B27 and the inheritance of susceptibility to rheumatic disease. Brewerton DA. **Arthritis Rheum** 19(4):656–68, Jul–Aug 76 (97 ref.)

Editorial: Rheumatic diseases: a growing understanding. Gofton JP. **Can Med Assoc J** 114(9):749–50, 8 May 76

Principal mechanisms in the immunological response to microbial infection. pp. 1–2.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (6 ref.)

Antiglobulins and antinuclear antibodies viewed as responses to infection. pp. 431–3. Holborow EJ.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (9 ref.)

Complement deficiency, infection and the rheumatic diseases.

pp. 445–8. Lachmann PJ.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (19 ref.)

Virus-induced antigens: a possible source of foreign antigens in rheumatic diseases. pp. 79–84. Legg NJ, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (45 ref.)

Should one stimulate or suppress the immune response in the rheumatic diseases? pp. 535–9. Pearson CM.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (8 ref.)

C3b inactivator in the rheumatic diseases. Measurement by radial immunodiffusion and by inhibition of formation of properdin pathway C3 convertase. Whaley K, et al. **J Clin Invest** 57(6):1554–63, Jun 76

The significance of the HL-AB27 antigen in a rheumatologic practice. Weaver AL, et al. **Nebr Med J** 61(5):154–7, May 76

Histocompatibility locus antigen W27 and the rheumatic diseases. Rachelefsky GS, et al. **Pediatrics** 56(4):498–500, Oct 75

IgG rheumatoid factor in dental periapical lesions of patients with rheumatoid disease. Malmström M, et al. **Scand J Rheumatol** 4(4):177–85, 1975

An evaluation of two new screening tests for rheumatoid factors. Strong WM, et al. **Scand J Rheumatol** 4(3):174–6, 1975

HLA antigens. Brewerton DA, et al. **Scand J Rheumatol [Suppl]** (12 suppl):139–40, 1975

Cell-mediated immune mechanisms. Dumonde D, et al. **Scand J Rheumatol [Suppl]** (12 suppl):122–4, 1975

Lymphocyte subpopulations and immune reactions in rheumatoid inflammatory tissues. Natvig JB, et al. **Scand J Rheumatol [Suppl]** (12 suppl):77–88, 1975

Immunopathogenic mechanisms in rheumatoid diseases with special reference to IgM rheumatoid factor. Wager O. **Scand J Rheumatol [Suppl]** (12 suppl):67–76, 1975

[Hypo- or agammaglobulinemic rheumatism. 3 recent cases] Delbarre F, et al. **Ann Med Interne (Paris)** 126(4):257–64, Apr 75 **(Fre)**

[Connective tissue diseases (author's transl)] Appelboom T, et al. **J Belge Rhumatol Med Phys** 29(4):196–201, Jul–Aug 1974 (Eng. Abstr.) **(Fre)**

[Letter: Relation between psoriatic rheumatism and HL-A] Sany J, et al. **Nouv Presse Med** 4(44):3142–3, 20 Dec 75 **(Fre)**

[Demonstration of Australia antigen in a rheumatologic population] Roques CF, et al. **Rev Rhum Mal Osteoartic** 43(1):11–5, Jan 76 (Eng. Abstr.) **(Fre)**

[HL-A and psoriatic rheumatism] Sany J, et al. **Rev Rhum Mal Osteoartic** 42(7–9):451–60, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[Practical significance of HL-A groups in rheumatology] Seignalet J, et al. **Sem Hop Paris** 51(15):993–1000, 26 Mar 75 (Eng. Abstr.) **(Fre)**

[Significance of auto-antibodies in rheumatic diseases] Tan EM. **An R Acad Nacl Med (Madr)** 92(3):465–82, 1975 **(Spa)**

[Dynamics of the indices of specific and nonspecific reactivity of the body in children with rheumatism] Iakimenko TM, et al. **Pediatr Akush Ginekol** (3):9–10, May–Jun 75 **(Ukr)**

[Cellular reactivity characteristics in rheumatism and chronic tonsillitis in children] Ostropolets SS, et al. **Pediatr Akush Ginekol** (3):10–1, May–Jun 75 **(Ukr)**

[Evaluation of some clinical and immunological indices of the activity of rheumatism in children] Reznik BIa, et al. **Pediatr Akush Ginekol** (3):6–8, May–Jun 75 **(Ukr)**

METABOLISM

Effects of antirheumatic drugs on sponge-induced granulation tissue, rheumatoid synovial tissue, matrix-free tendon cells and fibroblast plasma membranes in vitro. Kulonen E, et al. **Biochem Pharmacol** 24(18):1671–8, 15 Sep 75

Occurrence of amyloid in the teeth-supporting tissues of patients with rheumatoid diseases. An immunohistochemical study. Malmström M, et al. **Scand J Rheumatol** 4(4):186–92, 1975

[Comparative characteristics of myocardial energetics in rheumatism and tonsillogenic cardiopathy in children] Zolotova LI. **Pediatr Akush Ginekol** (3):11–2, May–Jun 75 **(Ukr)**

MICROBIOLOGY

[Chronic viral infection in rheumatism and systemic lupus erythematosus] Vorob'eva NN, et al. **Vopr Virusol** (6):648–54, Nov–Dec 75 (62 ref.) **(Rus)**

OCCURRENCE

South Africa: patterns of rheumatic disease. Gilder SS. **Ann Intern Med** 84(3):336, Mar 76

The arthritic complaint in primary care: prevalence, related disability, and costs. Spitzer WO, et al. **J Rheumatol** 3(1):88–99, Mar 76

Pattern of rheumatoid disease in society: change or disappearance? Valkenburg HA. **Scand J Rheumatol [Suppl]** (12 suppl):89–95, 1975

Epidemiology. Wood PH, et al. **Scand J Rheumatol [Suppl]** (12 suppl):133, 1975

[Rheumatic diseases: a public health problem (author's transl)] Henrard JC, et al. **Rev Epidemiol Med Soc Sante Publique** 23(6):373–81, Sep 75 (Eng. Abstr.) **(Fre)**

[Frequence of rheumatic disease in general practise (author's transl)] Irniger W. **Praxis** 64(12):357–61, 25 MAR 75 (Eng. Abstr.) **(Ger)**

[Epidemiological and sociomedical aspects of rheumatic syndromes. II. Sociomedical importance of rheumatic groups] Leistner K. **Z Aerztl Fortbild (Jena)** 69(19):1035–42, 1 Oct 75 **(Ger)**

[Epidemiological and social medical aspects of rheumatic syndromes. I. Report: occurrence and distribution of rheumatic syndromes] Leistner K. **Z Aerztl Fortbild (Jena)** 69(18):988–93, 15 Sep 75 **(Ger)**

[Socio-hygienic aspects of rheumatology] Lengvinat A. **Vopr Revm** (3):61–3, Jul–Sep 75 **(Rus)**

[Antinuclear factors and their relations with various rheumatic diseases] Ripoll Gómez MJ, et al. **Rev Esp Reum Enferm Osteoartic** 18(3):161–77, 1975 **(Spa)**

PATHOLOGY

Fine structure of granulocytes with cytoplasmic inclusions in pleural effusions from patients with rheumatoid pleuritis, tuberculous pleuritis and pleural carcinomatosis. Nielsen MH, et al. **Acta Pathol Microbiol Scand [A]** 83(5):433–42, Sep 75

Bone involvement. Havelka S, et al. **Scand J Rheumatol [Suppl]** (12 suppl):126–7, 1975

Paraneoplastic reactions in connective tissue. van Cauwenberge H, et al. **Scand J Rheumatol [Suppl]** (12 suppl):151, 1975

[Morphological points of departure for the therapy of rheumatic diseases] Fassbender HG. **Acta Med Austriaca** 2(4):110–3, 1975 (Eng. Abstr.) **(Ger)**

[Pathology of soft-tissue rheumatism] Fassbender HG. **Med Welt** 26(45):2036–8, 7 Nov 75 **(Ger)**

[Pathomorphosis of rheumatic disease] Naddeo Bolgiani MP, et al. **Minerva Pediatr** 27(3):157–68, 4 Feb 75 (Eng. Abstr.) **(Ita)**

[Morphologic changes in the lymph microcirculation of serous membranes in rheumatism and systemic lupus erythematosus] Strukov AI, et al. **Arkh Patol** 37(9):22–30, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Inflammatory disease and its control in rheumatic disorders. Hart FD. **Br Med J** 4(5990):191–4, 25 Oct 75

Prostaglandin concentrations in synovial fluid in rheumatic diseases: action of indomethacin and aspirin. pp. 223–8. Robinson DR, et al.
In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.

[Rheumatic diseases in old age] Klein G. **Wien Med Wochenschr** 125(12):182–5, 21 Mar 75 (14 ref.) **(Ger)**

[Changes in the coordination of movements in school children with rheumatism] Kolchina GV. **Gig Sanit** (6):15–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Possibilities of improvement of rheeophthalmography and use of this method in the study of hemodynamics in patients with rheumatic diseases] Cibiriene IK. **Oftalmol Zh** 30(3):184–8, 1975 (Eng. Abstr.) **(Rus)**

[Characteristics of the course and treatment of rheumatism in young people] Krasovskiĭ II. **Voen Med Zh** (6):34–8, Jun 76 **(Rus)**

[Rheohepatogram changes in the active phase of rheumatism in children] Malomuzh IP. **Pediatr Akush Ginekol** (3):13, May–Jun 75 **(Ukr)**

PREVENTION & CONTROL

[Prevention of rheumatic diseases: a physiopathologic approach (author's transl)] Denis F. **J Belge Rhumatol Med Phys** 29(4):202–10, Jul–Aug 1974 (Eng. Abstr.) **(Fre)**

[Prevention of rheumatism] Nesterov AI. **Vopr Revm** 00(02):61–5, Apr–Jun 76 **(Rus)**

[Suggestions for a national network of antirheumatism campaign] de Llano JR. **Rev Esp Reum Enferm Osteoartic** 19(1):9–48, 1976 **(Spa)**

RADIOGRAPHY

[Xeroradiography in rheumatology] Simon L, et al. **Rev Rhum Mal Osteoartic** 43(4):281–9, Apr 76 (Eng. Abstr.) **(Fre)**

REHABILITATION

Socio-economic consequences. Allander E, et al. **Scand J Rheumatol [Suppl]** (12 suppl):120–1, 1975

[Rehabilitation in rheumatic diseases] Seidel K, et al. **Z Alternsforsch** 30(3):245–8, 1975 **(Ger)**

SURGERY

Volar tenosynovectomy in the rheumatoid hand. Eiken O, et al. **Scand J Plast Reconstr Surg** 10(1):59–63, 1976

[Reconstructive surgery of the rheumatic hand] Wessinghage D. **Med Klin** 71(22):929–41, 28 May 76 (24 ref.) **(Ger)**

[Surgical therapy of rheumatic diseases] Tillmann K. **Med Welt** 26(45):2051–5, 7 Nov 75 (49 ref.) **(Ger)**

THERAPY

Heterodox practitioners and the availability of specialist advice. Hewitt D, et al. **Rheumatol Rehabil** 14(3):191–9, Aug 75

[Clinical experience with combined therapy of ultrasound and diadynamic currents] Smeralová V, et al. **Fysiatr Reumatol Vestn** 53(5):304–8, Oct 75 (Eng. Abstr.) **(Cze)**

[Effects of the Aix-les-Bains thermal cure and of water therapy on the mineral metabolism of patients with rheumatism] Depraitère R, et al. **Sem Hop Ther** 52(1):27–32, Jan 76 **(Fre)**

[Physical therapy and rehabilitation in rheumatic diseases] Miehlke K. **Med Welt** 26(45):2040–3, 7 Nov 75 **(Ger)**

[Situation in the control of rheumatic diseases of childhood and adolescent age in the German Democratic Republic] Lorenz K, et al. **Z Aerztl Fortbild (Jena)** 69(20):1089–92, 15 Oct 75 **(Ger)**

[Letter: Open letter to Professor Erik Kåss, M.D] Foss Hauge M. **Tidsskr Nor Laegeforen** 96(7):461–2, 10 Mar 76 **(Nor)**

[Therapeutic value of the Swoszowice sulfide-hydrogen sulfide waters in the treatment of rheumatic diseases in the light of clinical and biochemical studies] Zielonka E. **Folia Med Cracov** 17(4):443–71, 1975 (Eng. Abstr.) **(Pol)**

[Clinico-pathogenetic basis of radon therapy of rheumatism with mineral activity of the process] Pshetakovskiĭ IL. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):414–21, Sep–Oct 75 **(Rus)**

[Certain achievements of Soviet rheumatology] **Vopr Revm** (4):3–7, Oct–Dec 75 **(Rus)**

[Effects of climatotherapy] Doneva V, et al. **God Zb Med Fak Skopje** 20:201–8, 1974 (Eng. Abstr.) **(Ser)**

URINE

[Mercury-free polarographic method of studying fructosuria in connective tissue diseases] Blinkov IL, et al. **Vestn Akad Med Nauk SSSR** (6):59–64, 1975 (Eng. Abstr.) **(Rus)**

VETERINARY

[Experiences in cooperative research: Special Research Area 54 'Rheumatoid diseases of cattle'] Schulz LC. **Berl Munch Tieraerztl Wochenschr** 89(4):75–9, 15 Feb 76 (Eng. Abstr.) **(Ger)**

RHEUMATISM, MUSCULAR see **FIBROSITIS**

RHEUMATISM, PERI-EXTRA-ARTICULAR see **POLYMYALGIA RHEUMATICA**

RHEUMATOID FACTOR

A population study of rheumatoid factor in Iceland. A 5-year follow-up of 50 women with rheumatoid factor (RF). Thorsteinsson J, et al. **Ann Clin Res** 7(3):183–94, Jun 75

Self-associating IgG rheumatoid factor represents a major response of plasma cells in rheumatoid inflammatory tissue. Natvig JB, et al. **Ann NY Acad Sci** 256:88–95, 13 Jun 75

Intermediate complexes formed by self-association of IgG-rheumatoid factors. Pope RM, et al. **Ann NY Acad Sci** 256:82–7, 13 Jun 75

Soluble complexes and antiglobulin factors detection by immunofluorescence and immunoadsorption in rheumatoid sera. Mach PS, et al. **Biomedicine** 22(6):532–8, Nov 75

On standardization of the latex fixation test. Klein F, et al. **Bull Rheum Dis** 26(8):866–8, 1975–76

On standardization of the latex fixation test – reply by Dr. Jacques M. Singer. Singer JM. **Bull Rheum Dis** 26(8):868–9, 1975–76

Immunological properties of isolated IgG and IgM anti-gamma-globulins (rheumatoid factors). Bianco NE, et al. **Clin Exp Immunol** 17(1):91–101, May 74

Immunological properties of isolated IgG and IgM anti-gamma-globulins (rheumatoid factors). Bianco NE, et al. **Clin Exp Immunol** 17(1):91–101, May 74

Studies into the occurrence of soluble antigen-antibody complexes in disease. VI. Further characterization of the biological and physical properties of the rheumatoid biologically active factor (RBAF). Broder I, et al. **Clin Exp Immunol** 17(1):77–89, May 74

Studies into the occurrence of soluble antigen-antibody complexes in disease. VI. Further characterization of the biological and physical properties of the rheumatoid biologically active factor (RBAF). Broder I, et al. **Clin Exp Immunol** 17(1):77–89, May 74

Detection of circulating antigen-antibody complexes by their inhibitory effect on the agglutination of IgG-coated particles by rheumatioid factor of Clq. Lurhuma AZ, et al. **Clin Exp Immunol** 25(2):212–26, Aug 76

The interaction of rheumatoid factor with hepatitis B surface antigen-antibody complexes. Markenson JA, et al. **Clin Exp Immunol** 19(2):209–17, Feb 75

Involvement of complement and RA factor in non-specific agglutination of the latex reagent for HAA. Martin-Sosa S, et al. **Dev Biol Stand** 30:68–72, 1975

Rheumatoid factor as an indicator of serum blocking activity and tumour recurrences in bladder tumours. Pyrhönen S, et al. **Eur J Cancer** 12(2):87–94, Feb 76

The specificity and polyvalency of binding of a monoclonal

rheumatoid factor. Eisenberg R. **Immunochemistry** 13(4):355–9, Apr 76

The use of baboon IgG–sensitized sheep erythrocytes as an alternative indicator system in the study of the interaction of rheumatoid factor with human IgG. Stewart GA, et al. **Immunochemistry** 12(8):657–62, Aug 75

Neutrophil and rheumatoid factor–Immunoglobulin G insoluble complex interactions: phagocytosis and sequelae. Turner R, et al. **J Rheumatol** 3(2):109–17, Jun 76

Rheumatoid factor and tumor–host interaction. Twomey JJ, et al. **Proc Natl Acad Sci USA** 73(6):2106–8, Jun 76

Polyclonal human antibodies to IgG (rheumatoid factors) which cross–react with cell nuclei. Hannestad K, et al. **Scand J Immunol** 5(5):541–7, 1976

[The rheumatoid factors] Kahan A, et al. **Biol Med (Paris)** 2(1):1–11, Apr 73 (52 ref.) (Eng. Abstr.) **(Fre)**

[Normal antistreptolysin titres and demonstration of rheumatoid factors in rhesus monkeys (Macaca mulatta) (author's transl)] Köhler W, et al. **Zentralbl Bakteriol [Orig A]** 233(2):163–70, Oct 75 (Eng. Abstr.) **(Ger)**

[Rheumatoid factors and immune complexes in rheumatoid arthritis] Tursi A, et al. **Reumatismo** 24(2):73–6, Apr–Jun 72 (Eng. Abstr.) **(Ita)**

[Immunology of malignant rheumatoid arthritis and periateritis nodosa (1)] **Jpn J Clin Med** 33(12):3538–46, Dec 75 **(Jpn)**

[Rheumatoid factor and immune complex] Hirose S, et al. **Jpn J Clin Med** 33(9):2787–92, 10 Sep 75 **(Jpn)**

ANALYSIS

[Rheumatoid factor and malignant disease (author's transl)] Twomey JJ, et al. **Acta Oncol (Madr)** 10(2):94–100, May 75 **(Eng, Spa)**

Proceedings: Interpreting the biological significance of rheumatoid factor. Badley EM, et al. **Ann Rheum Dis** 34(5):463–4, Oct 75

Rheumatoid factor in acute bacterial endocarditis. Sheagren JN, et al. **Arthritis Rheum** 19(5):887–90, Sept–Oct 76

Rheumatoid factor (antigammaglobulin) in women: effects of oral contraceptives use of its prevalence. Sponzilli EE, et al. **Arthritis Rheum** 19(3):602–6, May–Jun 76

Progressive changes in serum proteins and the rheumatoid factor of chickens infected with Mycoplasma synoviae. Sells DM. **Avian Dis** 20(1):108–17, Jan–Mar 76

Pulmonary asbestosis and autoimmunity. Toivanen A. **Br Med J** 1(6011):691–2, 20 Mar 76

[A comparison of two tests for rheumatoid factor: latex test and l–agglutination (author's transl)] Gawlitza G, et al. **Immun Infekt** 4(1):23–8, Feb 76 (Eng. Abstr.)

Antiglobulins including rheumatoid factors. pp. 307–10. Hay FC, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.5.**

Comparative evaluation of rheumaton test with slide latex and sensitized sheep cell test for detection of rheumatoid factor Ganguly NK, et al. **Indian J Med Res** 63(1):6–10, Jan 75

The significance of the association of tissue autoantibodies and rheumatoid factor with angina in the Busselton population. Mathews JD, et al. **J Chronic Dis** 29(6):345–53, Jun 76

Ankylosing spondylitis. A case positive for rheumatoid factor and HL–A 27 (W 27). Goldenberg DL, et al. **JAMA** 235(3):284–5, 19 Jan 76

Systemic mastocytosis associated with presence of rheumatoid factor. Ritz J, et al. **JAMA** 235(15):1586–7, 12 Apr 76

Evaluation of the RAHA test for rheumatoid factor. Finnie A, et al. **Med Lab Technol** 31(4):323–6, Oct 74

Radioimmunoassay of the rheumatoid factors. Focan–Henrard D, et al. **Rheumatology** 6:140–50, 1975

Evidence for intracellular complement–fixing complexes of IgG rheumatoid factor in rheumatoid plasma cells. Natvig JB, et al. **Rheumatology** 6:167–76, 1975

Evidence of the presence of rheumatoid factor and antibodies reacting with human and rabbit IgA in fluid from non–keratinizing jaw cysts. Skaug N. **Scand J Immunol** 5(3):243–8, 1976

IgG rheumatoid factor in dental periapical lesions of patients with rheumatoid disease. Malmström M, et al. **Scand J Rheumatol** 4(4):177–85, 1975

Igg rheumatoid factor in serum of rheumatoid arthritis patients. Norberg R. **Scand J Rheumatol** 5(2):124–8, 1976

An evaluation of two new screening tests for rheumatoid factors. Strong WM, et al. **Scand J Rheumatol** 4(3):174–6, 1975

Rheumatoid factor and serum IgG, IgM and IgA levels in rheumatoid arthritis with vasculitis. Veys EM, et al. **Scand J Rheumatol** 5(1):1–6, 1976

Rheumatoid factors and immune complexes. Vaughan J, et al. **Scand J Rheumatol [Suppl]** (12 suppl):133–4, 1975

Immunopathogenic mechanisms in rheumatoid diseases with special reference to IgM rheumatoid factor. Wager O. **Scand J Rheumatol [Suppl]** (12 suppl):67–76, 1975

Prospective study of the early course of rheumatoid arthritis in young adults: comparison of patients with and without rheumatoid factor positivity at entry and identification of variables correlating with outcome. Masi AT, et al. **Semin Arthritis Rheum** 4(4):299–326, May 76

Rheumatoid factor appearance in Micrococcus lysodeikticus immunization and its interference with allotype specific reactions. Hamers R, et al. **Z Immunitaetsforsch** 149(2–4):187–92, Jul 75

Collagen antibodies and collagen– anticollagen immune complexes in rheumatoid arthritis. Steffen C, et al. **Z Rheumatol** 34(11–12):391–9, Nov–Dec 75

[Degenerative joint diseases and hypertension (significance of testing hyperuricemia and rheumatoid factor)] Vukotić D, et al. **Reumatizam** 23(1):17–21, 1976 (Eng. Abstr.) **(Cro)**

[The rosette test for rheumatoids] Delrieu F, et al. **Biol Med (Paris)** 2(1):15–31, Apr 73 (Eng. Abstr.) **(Fre)**

Letter: Rheumatoid rosette test in the aged] Waltzing P, et al. **Nouv Presse Med** 4(39):2815, 15 Nov 75 **(Fre)**

[Possibilities of errors in the determination and evaluation of rheumatoid factor reactions] Mathies H. **Allerg Immunol (Leipz)** 20–21(1):77–9, 1974–75 **(Ger)**

[Possible role of immune–phenomena in the pathogenesis of rheumatoid arthritis (author's transl)] Thiele HG, et al. **Immun Infekt** 4(1):3–13, Feb 76 **(Ger)**

[Humoral immune phenomena in rheumatoid arthritis] pp. 40–58. Felsch G. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich–Schiller–Univ, 1974. WE 346 I33 1973.** (191 ref.) **(Ger)**

[Studies on the non–specificity of rheumatoid factor determination (author's transl)] Bach G, et al. **Z Immunitaetsforsch** 144(1):42–8, Jul 72 (Eng. Abstr.) **(Ger)**

[Subtractive radial immunodiffusion in rheumaserology. A new method in quantitation of defined antibodies (author's transl)] Schmidt EW. **Z Immunitaetsforsch** 145(2):111–6, May 75 (Eng. Abstr.) **(Ger)**

[Comparative studies on the technic and the evidence gained from latex euglobulin tests] Keitel W, et al. **Z Med Labortech** 16(1):3–6, 1975 (Eng. Abstr.) **(Ger)**

[Suggestions for automation in serological laboratories. III. Description of a fully automatic pipetting–drip apparatus for the the transfer of serum dilution series onto plastic supports] Otto R, et al. **Z Med Labortech** 16(2):109–11, 1975 **(Ger)**

[A new test for the diagnosis of so–called seronegative rheumatoid arthritis] Carrozzo M, et al. **Reumatismo** 24(4):241–4, Oct–Dec 72 (Eng. Abstr.) **(Ita)**

[Detection of rheumatoid factor in direct immunofluorescence on circulating leukocytes in 'sero–negative' rheumatoid disease] Grimaldi MG, et al. **Reumatismo** 24(2):169–72, Apr–Jun 72 (Eng. Abstr.) **(Ita)**

[Determination rheumatoid factor and its immunoglobulin type] Abe S, et al. **Jpn J Clin Med** 34(1):213–4, 10 Jan 76 **(Jpn)**

[Rheumatoid factor and complement] Hirose S, et al. **Ryumachi** 15(4):336–9, Dec 75 **(Jpn)**

[Rheumatoid factor of the gastric juice] Kasukawa R, et al. **Ryumachi** 15(2):173–6, Jul 75 (Eng. Abstr.) **(Jpn)**

[Detection of rheumatoid factors with the 'rheumatoid rosette' immunocytoadherence test] Suțeanu S, et al. **Rev Med Intern [Med Intern]** 27(4):265–72, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

BIOSYNTHESIS

Enhancement of immunoglobulin and rheumatoid factor synthesis by rheumatoid synovial effusions and synovial membrane culture supernatants. Rosenthal M, et al. **Rheumatology** 6:87–9, 1975

Cellular aspects of the immunology of rheumatoid arthritis. Vaughan JH, et al. **Trans Am Clin Climatol Assoc** 86:79–85, 1975

[Immune complex receptors on lymphocytes and their importance for the rheumatoid factor] Baehr Rv, et al. **Allerg Immunol (Leipz)** 20–21(1):55–7, 1974–75 **(Ger)**

[Stimulation of immunoglobin synthesis and rheumatoid–factor production by rheumatoid synovial effusions and by supernatants of synovial tissue cultures] Rosenthal M. **Z Rheumatol** 35(1–2):1–13, Jan–Feb 76 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Recurrent purpura with a positive rheumatoid factor. Cooley DA, et al. **Nebr Med J** 60(11):441–3, Nov 75

Rheumatoid factors in serum and synovial fluid of the knee joint in reactive synovitis of local origin. Hrnčír Z, et al. **Rev Czech Med** 21(3):166–70, 1975

[Rheumatic factors in systemic erythematodes (author's transl)] Strejček J, et al. **Cas Lek Cesk** 115(13):378–81, 2 Apr 76 (Eng. Abstr.) **(Cze)**

METABOLISM

Serum immunoglobulins, rheumatoid factor, and pneumoconiosis in coal miners with rheumatoid arthritis. Benedek TG, et al. **Arthritis Rheum** 19(4):731–6, Jul–Aug 76

Free rheumatoid factor in dental periapical lesions and gingivae of patients with rheumatoid disease. Malmström M, et al. **Scand J Rheumatol** 4(3):121–4, 1975

PHARMACODYNAMICS

Inhibition by rheumatoid factor, anti–FC, and staphylococcal protein A of antibody–dependent cell–mediated cytolysis against Herpes simplex virus–infected cells. Austin RM, et al. **J Immunol** 117(2):602–7, Aug 76

Study of the effects of antigammaglobulin factors on lymphocytes from patients with rheumatoid arthritis. Astorga GP. **Rheumatology** 6:80–6, 1975

RHEUMATOID NODULE

COMPLICATIONS

The forgotten nodule: complications of sacral nodules in rheumatoid arthritis. Sturrock RD, et al. **Br Med J** 4(5988):92–3, 11 Oct 75

DIAGNOSIS

Recurrent rheumatoid nodules as a differential diagnosis for neuroma. Kratzer D, et al. **J Am Podiatry Assoc** 65(11):1064–7, Nov 75

Pseudolymphomatous pulmonary infiltrates in rheumatoid arthritis. Wang S. **Mt Sinai J Med NY** 43(2):157–62, Mar–Apr 76

[So–called 'pseudorheumatoid' nodules in childhood (author's transl)] König I, et al. **Paediatr Paedol** 11(1):118–23, 1976 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Subcutaneous and tendinous nodules in scleroderma. Apropos of 4 anatomo–clinical cases] Bourgeois P, et al. **Rev Rhum Mal Osteoartic** 43(2):85–91, Feb 76 (Eng. Abstr.) **(Fre)**

OCCURRENCE

[Rheumatoid nodules in children without any other features of systemic disease] Rutkowska–Sak L, et al. **Reumatologia** 14(1):89–94, 1976 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Intra–articular rheumatoid nodule of the knee joint. Kampner SL, et al. **Clin Orthop** (114):243–6, Jan–Feb 76

[Fine structure of the subcutaneous nodule of chronic rheumatoid arthritis: biopsy study] Obata H. **Ryumachi** 16(2):139–50, May 76 (Eng. Abstr.) **(Jpn)**

RHEUMATOID PURPURA see **PURPURA, SCHOENLEIN–HENOCH**

RHINENCEPHALON see **LIMBIC SYSTEM**

RHINITIS

CHEMICALLY INDUCED

Intolerance to aspirin. Casterline CL. **Am Fam Physician** 12(5):119–22, Nov 75

Persulfate hair bleach reactions. Cutaneous and respiratory manifestations. Fisher AA, et al. **Arch Dermatol** 112(10):1407–9, Oct 76

[Functional changes in the upper respiratory tract in chemical reagent plant workers] Rodin VI, et al. **Zh Ushn Nos Gorl Bolezn** (2):62–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Study of 2% solution of sodium cromoglycate in perennial rhinitis assessed by subjective and objective parameters. Girard JP, et al. **Clin Allergy** 5(3):301–9, Sep 75

Sodium cromoglycate 2 per cent solution in perennial rhinitis: a clinical and histological study. Brain DJ, et al. **J Laryngol Otol** 88(10):1001–17, Oct 74

A two–stage clinical assessment of beclomethasone dipropionate aerosols. Ruff F, et al. **Postgrad Med J** 51 Suppl 4:54–7, 1975

Treatment of perennial rhinitis with 2% solution of sodium cromoglycate. Lobaton P, et al. **Rhinology** 13(2):91–7, Aug 75

[Treatment of acute unspecific rhinitis—findings with Tramazolin and Clenbuterol] Schumann K, et al. **Med Monatsschr** 29(9):412–6, Sep 75 **(Ger)**

[Experiences with an oral rhinologic agent in the ORL practice] Wirtz G. **Med Monatsschr** 29(11):516, Nov 75 **(Ger)**

[Influence of endonasal corticosteroid therapy on the level of histamine in the blood of patients with vasomotor rhinitis] Fiveiskii VD, et al. **Zh Ushn Nos Gorl Bolezn** (6):18–22, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Treatment of acute rhinitis in children by means of ethonium electroaerosols] Gezunterman PI, et al. **Zh Ushn Nos Gorl Bolezn** (6):79, Nov–Dec 75 **(Rus)**

[Experience with treatment by honey of children with chronic catarrhal rhinitis] Hezunterman PI, et al. **Pediatr Akush Ginekol** (5):29–30, 1975 **(Ukr)**

ENZYMOLOGY

[Metabolic enzymes in human nasal mucus under physiological and pathophysiological conditions of the mucous membrane (author's transl)] Schorn K, et al. **Laryngol Rhinol Otol (Stuttg)** 54(7):597–603, Jul 75 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Letter: Anosmia and chronic rhinitis caused by influenza—possible therapy] Naumann HW. **Munch Med Wochenschr** 117(36):1438, 5 Sep 75 **(Ger)**

[Disorders of the upper respiratory tract in lepromatous leprosy and their treatment] Usmanov RK. **Vestn Otorinolaringol** (3):88–92, May–Jun 74 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Nasal cytology as a nasal test. Holopainen E. **Rhinology** 14(1):29–35, Feb 76

Scanning electron microscopy of the human nasal mucosa. Mygind N. **Rhinology** 13(2):57–75, Aug 75

[Certain data of morphological and histochemical study of nasal secretion in chronic rhinitis and rhinosinusitis] Bykova VP. **Vestn Otorinolaringol** (5):62–6, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Basal and kinetic components of the tonus of the vessels of the mucous membrane of the nose in acute and chronic rhinitis] Zhmurkin VP, et al. **Vestn Otorinolaringol** (6):70–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Pathogenesis of hemodynamic disorders in the vessels of the nasal mucosa in various forms of rhinitis] Luchikhin LA. **Zh Ushn Nos Gorl Bolezn** (6):14–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Chronic hypertrophic polypoid rhinosinusitis. Wilson M. **Radiology** 120(3):609–13, Sep 76

SURGERY

Cryosurgery in vasomotor rhinopathy: experimental histopathology. Kellerhals B, et al. **ORL** 38(3):157–63, 1976

[Our experiences with submucous diathermocoagulation of nasal conches] Voldřich Z, et al. **Cesk Otolaryngol** 24(5):305–10, Oct 75 (Eng. Abstr.) **(Cze)**

[Some peculiarities of the surgical treatment of chronic rhinosinusitis in the aged] Magomedov GM. **Vestn Otorinolaringol** (6):8–11, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

THERAPY

[Cryotherapy in chronic rhinitis and its influence on the state of the microflora of the nasal cavity] Preobrazhenskii NA, et al. **Vestn Otorinolaringol** (6):3–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

VETERINARY

The behaviour of porcine cytomegalovirus in commercial pig herds. Plowright W, et al. **J Hyg (Camb)** 76(1):125–35, Feb 76

Bovine nasal granuloma. James MP, et al. **NZ Vet J** 23(4):63–4, Apr 75

[Artificial intranasal bacterial invasion in the newborn calf. 2. Artificial bacterial invasion using gram-positive and gram-negative strains] Grohs G, et al. **Arch Exp Veterinaermed** 30(1):151–8, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Artificial intranasal bacterial invasion in the newborn calf. 1. Quantitative assessment of nasal secretion for certain groups of bacteria] Schulze F. **Arch Exp Veterinaermed** 30(1):145–50, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[The causes of rhinorrhea in horses] Deegen E. **Tieraerztl Prax** 1(2):169–76, 1973 **(Ger)**

[Case of rhinopneumonia in horses in Kirghizia] Mokrousova AV, et al. **Veterinariia** (2):57, Feb 76 **(Rus)**

RHINITIS, ALLERGIC see **HAY FEVER**

RHINITIS, ATROPHIC

DIAGNOSIS

[Unilateral ozena in an 11-month-old infant] Záhejská M, et al. **Cesk Otolaryngol** 25(1):54–6, Feb 76 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Placental extract therapy in atrophic rhinitis. Sinha SN, et al. **Eye Ear Nose Throat Mon** 55(1):59–61, Jan 76

[The local treatment of ozaena with streptomycin and novocaine (author's transl)] Jakabfi I, et al. **HNO** 23(8):253–4, Aug 75 (Eng. Abstr.) **(Ger)**

[Experimental basis of chemotherapy of ozena] Krasil'nikov AP, et al. **Vestn Otorinolaringol** (2):84–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Pathogenetic role of Proteus in ozena] Krylov IA. **Vestn Otorinolaringol** (3):82–6, May–Jun 74 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Phagocytic activity of leukocytes in patients with ozena] Nesterenko EG, et al. **Vestn Otorinolaringol** (3):86–8, May–Jun 74 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A study of the histology and exfoliative cytology of atrophic rhinitis. Sinha SN, et al. **J Laryngol Otol** 89(10):1027–41, Oct 75

SURGERY

Pharyngoplasty in atrophic rhinitis. Huffstadt AJ, et al. **Br J Plast Surg** 29(2):132–3, Apr 76

Atrophic rhinitis: Proplast as an implant material in surgical treatment. Whitehead E. **Can J Otolaryngol** 4(3):505–7, 1975

Surgery of the lateral nasal wall in atrophic rhinitis and ozena. Huizing EH. **Rhinology** 14(2):79–81, Jun 76

[Present-day surgical treatment of ozena (author's transl)] Muñoz Redondo M. **Rev Esp Otoneurooftalmol Neurocir** 33(195):221–7, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

THERAPY

[Ozena and pharynx plastic] Hoeksema PE, et al. **Ned Tijdschr Geneeskd** 120(27):1149–51, 3 Jul 76 **(Dut)**

[Comparative evaluation of certain methods of treatment of ozena and chronic simple atrophic rhinopharyngitis] Nesterenko EG. **Zh Ushn Nos Gorl Bolezn** (2):101–3, Mar–Apr 75 **(Rus)**

VETERINARY

Effect of dietary calcium and phosphorus on the incidence of atrophic rhinitis in pigs. Hsu FS, et al. **J Anim Sci** 43(1):131–9, Jul 76

Purulent leptomeningitis in experimental swine atrophic rhinitis. Maeda M, et al. **Natl Inst Anim Health Q (Tokyo)** 16(2):78–9, Summer 76

Bordetella bronchiseptica isolations from the nasal cavity of pigs in relation to atrophic rhinitis. Tornoe N, et al. **Nord Vet Med** 28(1):1–18, Jan 76

Inoculation experiments with Bordetella bronchiseptica strains in SPF pigs. Tornoe N, et al. **Nord Vet Med** 28(4–5):233–42, Apr–May 76

Intranasal infection with Bordetella bronchiseptica in gnotobiotic piglets. Brassinne M, et al. **Res Vet Sci** 20(2):162–6, Mar 76

Atrophic rhinitis: significance of nasal measurements in specific-pathogen-free (SPF) swine herds. Schwartz WL, et al. **Vet Med Small Anim Clin** 70(10):1213–6, Oct 75

Rhinitis of pigs: A gross staining method for macroscopic examination of the nasal mucosa. Done JT, et al. **Vet Rec** 98(10):183–5, 6 Mar 76

Relationship of porcine cytomegalovirus and B bronchiseptica to atrophic rhinitis in gnotobiotic piglets. Edington N, et al. **Vet Rec** 98(3):42–5, 17 Jan 76

Letter: Treatment of atrophic rhinitis. Morrish JS. **Vet Rec** 97(15):296, 11 Oct 75

Correspondence: Treatment of atrophic rhinitis. Murdoch RS. **Vet Rec** 97(13):251–2, 27 Sep 75

Letter: Atrophic rhinitis in pigs. Murdoch RS. **Vet Rec** 97(19):377, 8 Nov 75

[A comparative x-ray study of infectious atrophic rhinitis and enzootic pneumonia in swine] Mermerski K, et al. **Vet Med Nauki** 11(10):19–26, 1974 (Eng. Abstr.) **(Bul)**

[Evaluation of pathological-anatomical examinations on porcine noses] Wirth HG, et al. **Berl Munch Tieraerztl Wochenschr** 88(13):245–8, 1 Jul 75 (Eng. Abstr.) **(Ger)**

[Importance of hygiene in the prevention of infectious atrophic rhinitis] Karelin AI, et al. **Veterinariia** (11):26–8, Nov 75 **(Rus)**

RHINOPHYMA see under **ROSACEA**

RHINOPLASTY

The incidence of schizophrenia and severe psychological disorders in patients 10 years after cosmetic rhinoplasty. Gipson M, et al. **Br J Plast Surg** 28(3):155–9, Jul 75

One-stage repair of full-thickness alar defects. Rawat SS, et al. **Br J Plast Surg** 28(4):317–9, Oct 75

Negroid nose. Acosta de Almeida D, et al. **Int Surg** 60(10):554–5, Oct 75

Long-term experience with poly(glycol monomethacrylate) gel in plastic operations of the nose. Voldřich Z, et al. **J Biomed Mater Res** 9(6):675–85, Nov 75

Maps, flaps, and grafts on the nose. Brock JM. **J Dermatol Surg** 2(3):222–32, Jun 76

Rhinoplasties under local anaesthesia. Black L. **Nurs Times** 72(34):1304–5, 26 Aug 76

On the selection of patients for rhinoplasty. Anderson JR. **Otolaryngol Clin North Am** 8(3):685–8, Oct 75

Surgical anatomy in rhinoplasty. Bernstein L. **Otolaryngol Clin North Am** 8(3):549–58, Oct 75

Esthetics in rhinoplasty. Bernstein L. **Otolaryngol Clin North Am** 8(3):705–15, Oct 75

Psychiatric evaluation of patients seeking rhinoplasty. Bittle RM. **Otolaryngol Clin North Am** 8(3):689–704, Oct 75

Postoperative care of the rhinoplasty patient. Donald PJ. **Otolaryngol Clin North Am** 8(3):797–806, Oct 75

Preoperative management of the rhinoplasty patient. Huffman DI. **Otolaryngol Clin North Am** 8(3):679–84, Oct 75

Adjunctive measures in rhinoplasty. Simons RL. **Otolaryngol Clin North Am** 8(3):717–42, Oct 75

Septorhinoplasty. Smith TW. **Otolaryngol Clin North Am** 8(3):645–61, Oct 75

Revisional rhinoplasty. Webster RC. **Otolaryngol Clin North Am** 8(3):753–82, Oct 75

Reconstructive surgery of the injured nose. Wexler MR. **Otolaryngol Clin North Am** 8(3):663–77, Oct 75

Free skin flap from the retroauricular region to the nose. Fujino T, et al. **Plast Reconstr Surg** 57(3):338–41, Mar 76

[Abnormal flexibility of the nasal septum following subperichondral resection] Champy M. **Ann Chir Plast** 19(4):339–46, 1974 (Eng. Abstr.) **(Fre)**

[Postoperative nasal asymetries] Jost G, et al. **Ann Chir Plast** 20(2):124–33, 1975 (Eng. Abstr.) **(Fre)**

[Corbin's beak. Physiopathology and prevention] Vergnon L, et al. **Ann Chir Plast** 20(1):69–73, 1975 (Eng. Abstr.) **(Fre)**

[Extranasal immobilizing plaster cast] Zakrzewski J, et al. **Otolaryngol Pol** 29(5):505–9, 1975 (Eng. Abstr.) **(Pol)**

[Surgical treatment, with repair of the nasal pyramid, in bilateral dacryocystitis in a patient with facial injuries] Olteanu M, et al. **Rev Chir [Oftalmol]** 20(2):137–41, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Combined correction of the nasal pyramid and septum] Firică D, et al. **Rev Chir [Otorinolaringol]** 20(2):101–4, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

The complications of augmentation rhinoplasty in orientals. Mutou Y. **Br J Plast Surg** 28(3):160–3, Jul 75

Symposium: the supra-tip in rhinoplasty: a dilemma. III. Supra-tip soft-tissue rounding after rhinoplasty: causes, prevention and treatment. Anderson JR. **Laryngoscope** 86(1):53–7, Jan 76

Nasal obstruction after rhinoplasty: etiology, and techniques for correction. Beekhuis GJ. **Laryngoscope** 86(4):540–8, Apr 76

Symposium: the supra-tip in rhinoplasty: a dilemma. Farrior RT. **Laryngoscope** 86(1):43–4, Jan 76

Symposium: the supra-tip in rhinoplasty: a dilemma. I. Theories and causes of supra-tip convexities. Patterson CN. **Laryngoscope** 86(1):45–9, Jan 76

Epiphora following rhinoplasty and Caldwell-Luc procedures. Cies WA, et al. **Ophthalmic Surg** 7(1):77–81, Spring 76

Secondary nasal revisions after rhinoplasties. Walter CD. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):519–26, Nov–Dec 75

[Injections of triamcinolone acetonide in the treatment of parrot beak] Mahé E, et al. **Ann Otolaryngol Chir Cervicofac** 91(12):695–703, Dec 74 (Eng. Abstr.) **(Fre)**

[SMR, Septoplasty and the surgical treatment of septal perforations (author's transl)] Chüden H. **Laryngol Rhinol Otol (Stuttg)** 55(4):264–9, Apr 76 (Eng. Abstr.) **(Ger)**

[Faults and risks in rhinoplasty (author's transl)] Kastenbauer ER. **Laryngol Rhinol Otol (Stuttg)** 55(4):269–78, Apr 76 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Long-term experience with poly(glycol monomethacrylate) gel in plastic operations of the nose. Voldřich Z, et al. **J Biomed Mater Res** 9(6):675–85, Nov 75

[New osteoclast] Marechal R. **Ann Otolaryngol Chir Cervicofac** 91(9):537–8, Sep 74 **(Fre)**

[Forceps for the insertion of transplants in plastic surgery of the nose] Kurilin IA, et al. **Zh Ushn Nos Gorl Bolezn** (6):94–5, Nov–Dec 75 **(Rus)**

METHODS

Aesthetic reduction of 'pinocchio'-nose hemangioma. Wynn SK. **Arch Otolaryngol** 102(7):416–9, Jul 76

An ideal donor site for the auricular composite graft. Argamaso RV. **Br J Plast Surg** 28(3):219–21, Jul 75

A cartilaginous columellar strut in cleft lip rhinoplasties. Dibbell DG. **Br J Plast Surg** 29(3):247–50, Jul 76

Congenital double columella. Rawat SS, et al. **Br J Plast Surg** 28(3):153–4, Jul 75

Combination of extranasal and intranasal approach in surgery of the nasal pyramid and nasal septum (decortication). Padovan IF. **Can J Otolaryngol** 4(3):522–8, 1975

Lateral osteotomies via alar-base resections. Clairmont AA. **Eye Ear Nose Throat Mon** 55(6):26–9, Jun 76

Septoplasty. Rational surgery of the nasal septum. Edwards N. **J Laryngol Otol** 89(9):875–97, Sep 75

Evaluation of nasal tip surgery. Friedman WH, et al. **Laryngoscope** 85(9):1539–49, Sep 75

A personal technique of rhinoplasty. Anderson JR. **Otolaryngol Clin North Am** 8(3):559–62, Oct 75

Surgery of the nasal tip. Berman WE. **Otolaryngol Clin North Am** 8(3):563–74, Oct 75

Rhinoplasty for the Negroid nose. Bernstein L. **Otolaryngol Clin North Am** 8(3):783–95, Oct 75

A basic technique for surgery of the nasal lobule. Bernstein L. **Otolaryngol Clin North Am** 8(3):599–613, Oct 75

Augmentation rhinoplasty. Krause CJ. **Otolaryngol Clin North Am** 8(3):743–52, Oct 75

Advances in surgery of the tip: intact rim cartilage techniques and the tip-columella-lip esthetic complex. Webster RC. **Otolaryngol Clin North Am** 8(3):615–44, Oct 75

Surgery of the bony and cartilaginous dorsum. Wright WK. **Otolaryngol Clin North Am** 8(3):575–98, Oct 75

The use of cocaine as a topical anesthetic in nasal surgery. A survey report. Feehan HF, et al. **Plast Reconstr Surg** 57(1):62–5, Jan 76

Corrective rhinoplasty for enlargement of nose due to acromegaly. Case report. Hirshowitz B, et al. **Plast Reconstr Surg** 56(6):665–7, Dec 75

Reconstructive rhinoplasty for the lower two-thirds of the

nose. Millard DR Jr. **Plast Reconstr Surg** 57(6):722–8, Jun 76

More accurate removal of the hump in rhinoplasty. Snow JW. **Plast Reconstr Surg** 57(2):253–4, Feb 76

Autogenous cartilage autobank in rhinology. Arvide FE. **Rhinology** 13(2):107–10, Aug 75

Long term evaluation of 'push down' procedures. Barelli PA. **Rhinology** 13(1):25–32, Jun 75

Push-down of the external nasal pyramid by resection of wedges. Huizing EH. **Rhinology** 13(4):185–90, Dec 75

Surgical correction of saddle nose deformity. Beekhuis GJ. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):596–607, Nov–Dec 75

Undermining and redraping in rhinoplasty. Feit JL. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):540–5, Nov–Dec 75

Non-Caucasian rhinoplasty. Stucker FJ. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 417–22, Jul–Aug 76

Interdependent dynamics of rhinoplasty: the cadavar revisited. Tardy ME Jr. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 423–6, Jul–Aug 76

[Long-term results of frontonasal flap] Marchac D, et al. **Ann Chir Plast** 19(4):335–8, 1974 (Eng. Abstr.) **(Fre)**

[Role of endo-oral incision during lateral osteotomies] Senechal G, et al. **Ann Chir Plast** 20(2):233–7, 1975 (Eng. Abstr.) **(Fre)**

[Resection of the depressor muscle of the tip in esthetic rhinoplasties] Mahe E, et al. **Ann Otolaryngol Chir Cervicofac** 92(7–8):381–7, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Nose reconstruction by a retroauricular temporal flap] Montandon D. **Helv Chir Acta** 43(1–2):137–40, Mar 76 **(Fre)**

[Correction of loss of substance of the tip of the nose; Rieger's flap] Perrin C, et al. **J Fr Otorhinolaryngol** 25(2):157, Feb 76 **(Fre)**

[Modern methods of partial nasal reconstruction (author's transl)] Krisch A. **Laryngol Rhinol Otol (Stuttg)** 54(5):424–8, May 75 (Eng. Abstr.) **(Ger)**

[New possibilities of rhinoplasty by transplantation of part of the external ear] Kruchinskiĭ GV. **Stomatologiia (Mosk)** 55(2):35–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Controlled extra-mucosal rhinoplasty (Robin's technique). Personal experience (author's transl)] Herrero Lacasta E, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(194):183–91, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

[Present-day surgical treatment of ozena (author's transl)] Muñoz Redondo M. **Rev Esp Otoneurooftalmol Neurocir** 33(195):221–7, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

RHINOSCLEROMA

[Case of scleroma in a 5-year-old girl] Kalutskiĭ AA. **Vestn Otorinolaringol** (6):108–9, Nov–Dec 75 **(Rus)**

[Present-day problems of etiology and epidemiology of scleroma] Krasil'nikov AP. **Zh Ushn Nos Gorl Bolezn** (3):42–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Achievements in the study of scleroma] Zaritskiĭ AI. **Zh Ushn Nos Gorl Bolezn** (2):70–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Combined scleroma and malignant neoplastic lesion of the ENT organs] Gardyga VV. **Zh Ushn Nos Gorl Bolezn** (5):102–3, Sep–Oct 75 **(Rus)**

MICROBIOLOGY

Scleroma of the nose and pharynx. DiBartolomeo JR. **West J Med** 124(1):13–7, Jan 76

[Isolation of L-forms of Klebsiella from patients with scleroma] Chesnokova AA. **Zh Ushn Nos Gorl Bolezn** (2):66–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Scleroma in Berezno region of the Rovno district] Kalutskiĭ AA. **Zh Ushn Nos Gorl Bolezn** (3):47–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Scleroma in Zdolbunov region of the Rovno district] Tsyl'ia NS. **Zh Ushn Nos Gorl Bolezn** (3):48–50, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Development and current status of scleroma problems] Gál P. **Cesk Otolaryngol** 24(4):243–7, Aug 75 (Eng. Abstr.) **(Slo)**

PATHOLOGY

[Electron microscopical investigation of rhinoscleroma (author's transl)] Fukuhara S, et al. **Arch Dermatol Res** 254(3):263–74, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Light and electron microscopy of rhinoscleroma (author's transl)] Balázs M, et al. **HNO** 23(2):35–42, Feb 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radiographic study of scleroma. Shehata MA, et al. **J Laryngol Otol** 89(12):1243–61, Dec 75

THERAPY

[Complex treatment of scleroma] Petretskiĭ VV. **Zh Ushn Nos Gorl Bolezn** (3):83–4, May–Jun 75 **(Rus)**

RHINOSPORIDIOSIS

Rhinosporidiosis of lacrimal sac. Jain MR, et al. **Indian J Ophthalmol** 22(3):29–30, Sep 74

Rhinosporidiosis in Sudan. Wahab SM, et al. **Trop Geogr Med** 28(1):60–2, Mar 76

COMPLICATIONS

Rhinosporidiosis. Lasser A, et al. **Arch Otolaryngol** 102(5):308–10, May 76

DIAGNOSIS

Lid rhinosporidiosis – simulating a tumor. Kapoor S, et al. **Can J Ophthalmol** 11(1):91–2, Jan 76

OCCURRENCE

Rhinosporidiosis in Sudan. Wahab SM, et al. **Trop Geogr Med** 28(1):60–2, Mar 76

PATHOLOGY

Pathologic Quiz Case 1: Rhinosporidosis. Stubbs WK. **Arch Otolaryngol** 101(10):642–4, Oct 75

VETERINARY

Animal rhinosporidiosis in India with case reports. Ramachandra Rao PV, et al. **Ann Soc Belg Med Trop** 55(2):119–24, 1975

Rhinosporidiosis in a dog. Stuart BP, et al. **J Am Vet Med Assoc** 167(10):941–2, 15 Nov 75

RHINOVIRUSES

Is a rhinovirus vaccine possible? Fox JP. **Am J Epidemiol** 103(4):345–54, Apr 76

Effects of rhinovirus infection of pulmonary function of healthy human volunteers. Blair HT, et al. **Am Rev Respir Dis** 114(1):95–102, Jul 76

Studies of experimental rhinovirus type 2 infections in polar isolation and in England. Holmes MJ, et al. **J Hyg (Camb)** 76(3):379–93, Jun 76

Human responses to two decavalent rhinovirus vaccines. Hamory BH, et al. **J Infect Dis** 132(6):623–9, Dec 75

Properties and origins of infectious rhinovirus type 14 particles of different buoyant densities. Gauntt CJ, et al. **J Virol** 16(5):1265–72, Nov 75

Unrelated animal viruses share receptors. Lonberg-Holm K, et al. **Nature** 259(5545):679–81, 26 Feb 76

Rhinovirus infections. Higgins PG. **Postgrad Med J** 49(577):802–6, Nov 73

ANALYSIS

Different patterns of polyadenylation of rhinovirus: specified RNA during multiplication in human aneuploid and diploid cells. Macnaughton MR, et al. **J Gen Virol** 30(2):263–7, Feb 76

Polyadenylic acid sequences in rhinovirus RNA species from infected human diploid cells. Macnaughton MR, et al. **J Virol** 16(3):745–8, Sep 75

DRUG EFFECTS

Sensitivity of rhinoviruses to human leukocyte and fibroblast interferons. Came PE, et al. **J Infect Dis** 133 Suppl:A136–9, Jun 76

Four compounds active against rhinovirus: comparison in vitro and in volunteers. Reed SE, et al. **J Infect Dis** 133 Suppl:A128–35, Jun 76

Effect of a topical interferon inducer on rhinovirus infections in volunteers. Stanley ED, et al. **J Infect Dis** 133 Suppl:A121–127, Jun 76

Letter: Re: increased virus shedding with aspirin treatment of rhinovirus infection. **JAMA** 235(8):801–3, 23 Feb 76

GROWTH & DEVELOPMENT

The effects of concanavalin A on the early events of infection by rhinovirus type 2 and poliovirus type 2. Lonberg-Holm K. **J Gen Virol** 28(3):313–27, Sep 75

Transmission of experimental rhinovirus colds in volunteer married couples. D'Alessio DJ, et al. **J Infect Dis** 133(1):28–36, Jan 76

[Intracytoplasmic crystalline structures induced by some feline viruses (author's transl)] Metianu T, et al. **Ann Microbiol (Paris)** 125(4):477–84, May–Jun 74 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Serological differentiation of bovine rhinoviruses. Kurogi H, et al. **Natl Inst Anim Health Q (Tokyo)** 15(4):201–2, Winter 75

ISOLATION & PURIFICATION

Diagnosis of rhinovirus-infections by virological and immunofluorescent methods. Dreizin RS, et al. **Acta Virol (Praha)** 19(5):413–8, Sep 75

Comparison of rhinovirus-sensitive HeLa cells and human embryo fibroblasts for isolation of rhinoviruses from patients with respiratory disease. Lewis FA, et al. **J Clin Microbiol** 3(5):528–32, May 76

An investigation of the possible transmission of Rhinovirus colds through indirect contact. Reed SE. **J Hyg (Camb)** 75(2):249–58, Oct 75

Rhinoviruses in Britain 1963–1973. Roebuck MO. **J Hyg (Camb)** 76(1):137–46, Feb 76

[Human rhinoviruses circulating in Moscow (author's transl)] Dreizin RS, et al. **Vopr Virusol** (5):592–7, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Preparation of immune serums for the identification of rhinoviruses] Dreizin RS, et al. **Vopr Virusol** (4):498–501, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Inhibition by zinc of rhinovirus protein cleavage: interaction of zinc with capsid polypeptides. Korant BD, et al. **J Virol** 18(1):298–306, Apr 76

Interaction of liposomes with subviral particles of poliovirus type 2 and rhinovirus type 2. Lonberg-Holm K, et al. **J Virol** 19(2):746–9, Aug 76

Rhinovirus multistranded RNA: dependence of the replicative form on the presence of actinomycin D. Macnaughton MR, et al. **J Virol** 18(3):926–32, Jun 76

ULTRASTRUCTURE

Investigation of the structure of polio- and human rhinovirions through the use of selective chemical reactivity. Lonberg-Holm K, et al. **Virology** 71(1):207–16, May 76

RHIZOBIUM

The occurrence of rhizobiophages in various lucerne plantations. Golębiowska J, et al. **Acta Microbiol Pol** 25(2):161–3, 1976

Frequency of infection and efficiency of transfection of Rhizobium meliloti cells and spheroplasts. Staniewski R, et al. **Acta Microbiol Pol [A]** 8(3):151–60, 1975

Morphology and host range of virulent phages of lotus rhizobia. Patel JJ. **Can J Microbiol** 22(2):204–12, Feb 76

Lipopolysaccharide as receptor for rhizobium phage 1P. Zając E, et al. **J Gen Microbiol** 90(2):365–7, Oct 75

ANALYSIS

A comparison of DNA from free living and endosymbiotic Rhizobium leguminosarum (strain PRE). Reijnders L, et al. **Biochim Biophys Acta** 414(2):206–16, 4 Dec 75

Plasmid deoxyribonucleic acid in Rhizobium vigna and Rhizobium trifolii. Tshitenge G, et al. **Biochim Biophys Acta** 414(3):357–61, 19 Dec 75

Fragmentation analysis of extracellular acid polysaccharides from seven Rhizobium strains. Part I. D-glucuronic acid-containing oligosaccharides. Somme R. **Carbohydr Res** 43(1):145–9, Aug 75

[Possibility of the effect of symbiosis on the DNA of nodule bacteria] Krikunets' VM, et al. **Mikrobiol Zh** 37(6):760–1, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

CLASSIFICATION

Discrimination of Rhizobium japonicum, Rhizobium lupini, Rhizobium trifolii, Rhizobium leguminosarum and of bacteroids by uptake of 2-ketoglutaric acid, glutamic acid and phosphate. Werner D, et al. **Arch Microbiol** 107(3):257–62, 1 Apr 76

A new method for strain identification of Rhizobium trifolii in nodules. Cloonan MJ, et al. **J Appl Bacteriol** 40(1):101–7, Feb 76

DRUG EFFECTS

Toxicity of sodium and chloride ions to Rhizobium spp. in broth and peat culture. Steinborn J, et al. **J Appl Bacteriol** 39(2):133–8, Oct 75

Resistance to antibiotics in Rhizobium trifolii and its relation to nitrogen fixation. Abdel-Wahab SM, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):170–8, 1976

A study on the effect of certain phenolic acids and fumarie acid in soil on the development of paddy seedlings and nitrogen-fixing bacteria. Gaur AC, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):148–56, 1976

Seed pelleting with systemic insecticide (Aldicarb) for the control of pests of mungo (Phaseolus aureus L.). Iswaran V. **Zentralbl Bakteriol [Naturwiss]** 130(4):365–6, 1975

Studies on seed coat toxicity to rhizobia of urid (Phaseolus mungo), mung (Phaseolus aureus), and soybean (Glycine max). Jain MK, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):163–9, 1976

ENZYMOLOGY

Nitrogenase activity in cultured Rhizobium sp. strain 32H1: nutritional and physical considerations. Gibson AH, et al. **Arch Microbiol** 108(1):45–54, 3 May 76

P-450 hemeproteins of Rhizobium japonicum. Purification by affinity chromatography and relationship to P-450CAM and P-450LM-2. Dus K, et al. **Biochem Biophys Res Commun** 69(2):437–45, 22 Mar 76

Nitrogenase activity and respiration of cultures of Rhizobium spp. with special reference to concentrations of dissolved oxygen. Bergersen FJ, et al. **Biochim Biophys Acta** 444(1):164–74, 24 Aug 76

Fructose 1,6-bisphosphate aldolase activity of Rhizobium species. Siddiqui KA, et al. **Folia Microbiol (Praha)** 20(5):412–7, 1975

[Separation into components and recombination of

nitrogenase from lupine bacteroids] Martynova EM, et al. **Dokl Akad Nauk SSSR** 228(5):1230–2, 1976 **(Rus)**
[Activity of dehydrogenases in lupine nodule bacteria] Skochins'ka NM, et al. **Mikrobiol Zh** 37(4):427–32, Jul–Sep 75 **(Ukr)**

GROWTH & DEVELOPMENT

The effect of rhizobiophages on the effectiveness of Rhizobium meliloti in symbiosis with lucerne. II. Effects of phages on the R. meliloti strains during passing them through the plant. Sawicka A, et al. **Acta Microbiol Pol** 25(2):129–31, 1976
The effect of rhizobiophages on the effectiveness of Rhizobium meliloti in symbiosis with lucerne. I. Effect of various strains of R. meliloti and rhizobiophages on the yield and nitrogen fixation in lucerne. Sawicka A, et al. **Acta Microbiol Pol** 25(2):123–8, 1976
The carriage of Rhizobium by leguminous seeds after floral spray. Jain MK, et al. **Ann Microbiol (Paris)** 125(4):447–54, May–Jun 74
Role of pectic and cellulolytic enzymes in the invasion of the soybean by Rhizobium japonicum. Hunter WJ, et al. **Can J Microbiol** 21(8):1254–8, Aug 75
Methods for growing nitrogen-fixing bacteria separated from plant cells. LaRue TA, et al. **Can J Microbiol** 21(11):1884–6, Nov 75
Mixed inoculations with effective and ineffective strains of Rhizobium leguminosarum. Johnston AW, et al. **J Appl Bacteriol** 40(3):375–80, Jun 76
The effect of the ratio of magnesium: calcium on numbers of Rhizobium in liquid medium. Steinborn J, et al. **J Appl Bacteriol** 39(2):213–6, Oct 75
The orientation of certain root-nodule bacteria at interfaces, including legume root-hair surfaces. Marshall KC, et al. **J Gen Microbiol** 91(1):198–200, Nov 75
Effect of seed fumigation on the symbiosis of Rhizobium sp. with Arachis hypogaea linn. Kulkarni JH, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):41–4, 1975
Root exudation in relation to innoculation with rhizobia. Rao AV. **Zentralbl Bakteriol [Naturwiss]** 131(1):79–82, 1976
Biochemical changes in the roots of legumes upon inoculation. Rao AV, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):83–90, 1976
Effectiveness of rhizobia from wild species of Arachis on the cultivated species, A. hypogaea and their physiological characteristics. Singh CS, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):72–8, 1976
Efficiency of Rhizobium leguminosarum as affected by certain herbicides and nematocides. Tewfik MS, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):725–31, 1975
[Effect of inoculation on nitrogen fixation by chick pea, on its crop and protein content] Dorosinskiĭ LM, et al. **Mikrobiologiia** 44(6):1103–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Growth of nodule bacteria in soil] Kolenshko OI. **Mikrobiologiia** 44(2):330–2, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Group B vitamins in nodules of lupine inoculated with active and less active strains of nodule bacteria] Skochins'ka NM, et al. **Mikrobiol Zh** 37(5):580–3, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Antigenic differences between infective and noninfective strains of Rhizobium trifolii. Dazzo FB, et al. **Appl Microbiol** 30(2):172–7, Aug 75
Cross-reactive antigens and lectin as determinants of symbiotic specificity in the Rhizobium–clover association. Dazzo FB, et al. **Appl Microbiol** 30(6):1017–33, Dec 75
Immunofluorescent polar tips of Rhizobium japonicum: possible site of attachment or lectin binding. Bohlool BB, et al. **J Bacteriol** 125(3):1188–94, Mar 76

ISOLATION & PURIFICATION

Adsorption and selection of rhizobia with ion-exchange papers. Werner D, et al. **Arch Microbiol** 105(1):27–32, 30 Sep 75
On the relationship among weight of nodules, their leghaemoglobin and bacteroid content, dry weight, and nitrogen content of soybean. Jain MK, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):732–7, 1975

METABOLISM

Studies on phage 1P receptors in Rhizobium trifolii and Rhizobium leguminosarum. Zając E, et al. **Acta Microbiol Pol [A]** 7(4):181–8, 1975
Regulation and genetics of bacterial nitrogen fixation. Brill WJ. **Annu Rev Microbiol** 29:109–29, 1975
Improved method for preparing anaerobic bacteroid suspensions of Rhizobium leguminosarum for the acetylene reduction assay. Van Straten J, et al. **Appl Environ Microbiol** 31(6):859–63, Jun 76
Host-symbiont interactions. I. The lectins of legumes interact with the o-antigen-containing lipopolysaccharides of their symbiont Rhizobia. Wolpert JS, et al. **Biochem Biophys Res Commun** 70(3):729–37, 7 Jun 76
Regulation of nitrogen fixation by Rhizobia. Export of fixed N2 as NH+4. O'Gara F, et al. **Biochim Biophys Acta** 437(2):313–21, 21 Jul 76
Glycerol metabolism in Rhizobium. Arias A, et al. **Can J Microbiol** 22(2):150–3, Feb 76
Exopolysaccharide depolymerases induced by Rhizobium bacteriophages. Barnet YM, et al. **Can J Microbiol** 21(10):1647–50, Oct 75
Loss of symbiotic capacity in commercially useful strains of Rhizobium trifolii. Labandera CA, et al. **J Appl Bacteriol** 39(2):209–11, Oct 75
Genetic mapping of leucine and isoleucine-valine loci in Rhizobium japonicum. Doctor F, et al. **J Bacteriol** 126(2):997–8, May 76
Acetylene reduction by pure cultures of Rhizobia. Keister DL. **J Bacteriol** 123(3):1265–8, Sep 75
Oxygen requirement for acetylene reduction by pure cultures of rhizobia. Keister DL, et al. **J Bacteriol** 127(1):149–53, Jul 76
Ineffective and non-nodulating mutant strains of Rhizobium japonicum. Maier RJ, et al. **J Bacteriol** 127(2):763–9, Aug 76
Leghaemoglobin and the supply of O2 to nitrogen-fixing root nodule bacteroids: presence of two oxidase systems and ATP production at low free O2 concentration. Bergersen FJ, et al. **J Gen Microbiol** 91(2):345–54, Dec 75
Inhibition of protein synthesis by D-threo-chloramphenicol in the laboratory and nodule forms of Rhizobium lupini. Coventry DR, et al. **J Gen Microbiol** 90(1):69–75, Sep 75
Properties of some bacteriocins produced by Rhizobium trifolii. Schwinghamer EA. **J Gen Microbiol** 91(2):403–13, Dec 75
Nitrogen fixing activity in Rhizobium japonicum separated from plant cell cultures. Werner D, et al. **Z Naturforsch [C]** 30(5):687–8, Sep–Oct 75
Influence of treflan, lindane, and ceresan on different parameters of symbiotic nitrogen fixation and yield in Cicer arietinum. Mishra KC, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):598–602, 1975
Metabolism of p-hydroxybenzoic acid by certain strains of Rhizobia. Tewfik MS, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):34–6, 1975
[A study of polysaccharides in fast growing 'Rhizobium' (author's transl)] Courtois B, et al. **Ann Microbiol (Paris)** 126B(1):3–15, Jul–Aug 75 (Eng. Abstr.) **(Fre)**
[Study of exopolysaccharides of the nitrogen-fixing nodular microorganism Rhizobium lupini] Linevich LI, et al. **Dokl Akad Nauk SSSR** 226(5):1214–6, 11 Feb 76 **(Rus)**
[Inhibitory analysis of the respiration of bacteroids from the nodules of yellow lupine] Raĭkhinshteĭn MV, et al. **Mikrobiologiia** 45(2):210–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Synthesis and breakdown of poly-beta-hydroxybutyric acid in Rhizobium lupini] Romanov VI, et al. **Mikrobiologiia** 44(5):820–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[The effect of nitrate and nitrite on the respiration and cytochrome system of Rhizobium lupini] Romanov VI, et al. **Mikrobiologiia** 45(1):85–91, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Effect of cultivation conditions on the accumulation of poly-beta-hydroxy-butyric acid in Rhizobium lupini] Yushkova LA, et al. **Prikl Biokhim Mikrobiol** 11(2):203–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Synthesis of thiamine and riboflavin by nodule bacteria of clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(3):314–9, May–Jun 75 (Eng. Abstr.) **(Ukr)**
[Synthesis of pyridoxine and cobalamin by nodule bacteria clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(4):433–8, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

[Effect of ultraviolet rays on the activity of clover nodule bacteria] Cheverda MG, et al. **Mikrobiologiia** 44(5):918–20, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of Rhizobium-induced infection threads in clover root hairs. Napoli CA, et al. **Appl Microbiol** 30(6):1003–9, Dec 75
A phenomenon of photoenhancement of acridine orange-induced fluorescence. De DN, et al. **J Histochem Cytochem** 24(5):674–8, May 76

RHIZOCTONIA see under **DEUTEROMYCETES**

RHIZOPUS

Free fatty acids identified as antitryptic factor in soybeans fermented by Rhizopus oligosporus. Wang HL, et al. **J Nutr** 105(10):1351–5, Oct 75
Studies of the invasion of carrot root parenchyma by Rhizopus stolonifer Lind. Thorne S. **J Sci Food Agric** 26(7):933–40, Jul 75

DRUG EFFECTS

Evaluation of fungicides against Rhizopus spp causing soft rot of fruits. Sridhar TS. **Hindustan Antibiot Bull** 17(1–2):31–4, Aug–Nov 74

ENZYMOLOGY

The crystal at 5.5A resolution of an acid-protease from Rhizopus chinensis. Subramanian E, et al. **Biochem Biophys Res Commun** 68(3):875–80, 9 Feb 76
Effects of local anaesthetics on the lipase of Rhizopus arrhizus. Traynor JR, et al. **Biochim Biophys Acta** 424(2):246–52, 23 Feb 76
Studies on the subsite structure of amylases. IV. Tryptophan residues of glucoamylase from Rhizopus niveus studied by chemical modification with N-bromosuccinimide. Ohnishi M, et al. **J Biochem (Tokyo)** 79(1):11–16, Jan 76
Studies on the subsite structure of amylases. III. Inhibition by gluconolactone of the hydrolysis of maltodextrin catalyzed by glucoamylase from Rhizopus niveus. Ohnishi M, et al. **J Biochem (Tokyo)** 79(5):1007–12, May 76
Study of bound phospholipase activities of fungal mycelia using an organic solvent system. Blain JA, et al. **Lipids** 11(7):553–60, Jul 76
Alcohol dehydrogenase in mucorales III. Gleason FH, et al. **Mycologia** 68(2):426–9, Mar–Apr 76
[Proceedings: Experiences with lipase form Rhizopus arrhizos in the treatment of pancreatic insufficiency] Pointner H, et al. **Z Gastroenterol** 14(2):250, Mar 76 **(Ger)**
[Rhizopus microsporus strain UzLT-I—a thermotolerant producer of lipase] Zakirov MZ, et al. **Prikl Biokhim Mikrobiol** 11(4):546–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Phycomycotic gangrenous cellulitis. A report of two cases and a review of the literature. Wilson CB, et al. **Arch Surg** 111(5):532–8, May 76
Pulmonary phycomycosis without obvious predisposing factors. Record NB Jr, et al. **JAMA** 235(12):1256–7, 22 Mar 76

METABOLISM

Microbiological hydroxylation. Part XXI. Hydroxylations of 3-halogeno-17-oxo-, 3-halogeno-7-oxo-, and 17-halogeno-3-oxo-androstanes by the fungi Calonectria decora, Rhizopus nigricans, and Aspergillus ochraceus. Jones ER, et al. **J Chem Soc [Perkin I]** (22):2308–12, 1975
[Properties of Rhizopus sp. cultures in the transformation of steroid compounds. II. 11-alpha hydroxylation of delta 4-3 ketosteroids of the pregnane and androstane group] Eysymontt I, et al. **Acta Pol Pharm** 32(5):563–7, 1975 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Purification and some enzymatic properties of the chitosanase from Bacillus R-4 which lyses Rhizopus cell walls. Tominaga Y, et al. **Biochim Biophys Acta** 410(1):145–55, 20 Nov 75

RHODAMINES see under **XANTHENES**

RHODANINE see under **THIAZOLES**

RHODIUM

Novel rhodium(I)-porphyrin complexes and organorhodium(III)-porphyrin complexes. IV. Ogoshi H, et al. **J Am Chem Soc** 97(22):6461–6, 29 Oct 75

METABOLISM

The metabolism of rhodium(II) acetate in tumor-bearing mice. Erck A, et al. **Cancer Res** 36(7 PT 1):2404–9, Jul 76
Nickel deficiency and nickel-rhodium interaction in chicks. Nielsen FH, et al. **J Nutr** 105(12):1607–19, Dec 75

PHARMACODYNAMICS

Inhibition of Deamination of Arabinosylcytosine (NSC-63878) by Rhodium(II) Acetate. Lee SH, et al. **Cancer Chemother Rep** 59(3):661–3, May–Jun 75

THERAPEUTIC USE

Interaction of Rhodium(II) carboxylates with molecules of biologic importance. Bear JL, et al. **Cancer Chemother Rep** 59(3):611–20, May–Jun 75
[Post-irradiation lesions of the blood vessels following irradiation of choroidal tumors with 1O6Ru/1O6Rh applications] Lommatzsch P, et al. **Klin Oczna** 46(4):411–3, 1976 (Eng. Abstr.) **(Pol)**

TOXICITY

[Influence of metals of the platinum group on the skin in experiments on animals] Kolpakov FI, et al. **Vestn Dermatol Venerol** (11):61–4, Nov 75 (Eng. Abstr.) **(Rus)**

RHODNIUS see under **TRIATOMINAE**

RHODOPSEUDOMONAS

Gene transfer agents, bacteriophages, and bacteriocins of Rhodopseudomonas capsulata. Wall JD, et al. **Arch Microbiol** 105(3):217–24, 7 Nov 75

ANALYSIS

Photochemical reaction centers from Rhodopseudomonas capsulata. Nieth KF, et al. **Arch Microbiol** 105(1):43–5, 30 Sep 75
Primary structure of a high potential iron-sulfur protein from the purple non-sulfur photosynthetic bacterium Rhodopseudomonas gelatinosa. Tedro SM, et al. **J Biol Chem** 251(1):129–36, 10 Jan 76

CLASSIFICATION

Characterization of Rhodopseudomonas capsulata. Weaver PF, et al. **Arch Microbiol** 105(3):207–16, 7 Nov 75

[Characteristics of a new species of budding purple bacteria containing bacteriochlorophyll b] Keppen OI, et al. **Mikrobiologiia** 44(2):258–64, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Energy transduction in photosynthetic bacteria. X. Composition and function of the branched oxidase system in wild type and respiration deficient mutants of Rhodopseudomonas capsulata. Zannoni D, et al. **Biochim Biophys Acta** 423(3):413–30, 12 Mar 76

The location and function of cytochrome c2 in Rhodopseudomonas capsulate membranes. Hochman A, et al. **Eur J Biochem** 58(1):65–72, 1 Oct 75

Inactivation of citrate lyase from Rhodopseudomonas gelatinosa by a specific deacetylase and inhibition of this inactivation by L-(+1-glutamate. Giffhorn F, et al. **J Bacteriol** 124(3):1052–61, Dec 75

Effect of growth conditions on the activation and inactivation of citrate lyase of Rhodopseudomonas gelatinosa. Giffhorn F, et al. **J Bacteriol** 124(3):1046–51, Dec 75

Coupling factors ATPases from photosynthetic bacteria. Melandri BA, et al. **J Bioenerg** 8(2):109–19, Apr 76

Genetic transfer of nitrogenase-hydrogenase activity in Rhodopseudomonas capsulata. Wall JD, et al. **Nature** 258(5536):630–1, 18 Dec 75

Primary structure determination of two cytochromes c2: close similarity to functionally unrelated mitochondrial cytochrome C. Ambler RP, et al. **Proc Natl Acad Sci USA** 73(2):472–5, Feb 76

Energy-linked pyridine nucleotide transhydrogenase activity in photosynthetically grown Rhodopseudomonas palustris. Knobloch K. **Z Naturforsch [C]** 30(6):771–6, Nov–Dec 75

[Composition and content of cytochromes in Rhodopseudomonas palustris in relation to growth conditions] Ivanovskii RN, et al. **Mikrobiologiia** 44(1):16–20, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Alcohol dehydrogenase activity of nonsulfur purple bacteria] Krasil'nikova EN. **Mikrobiologiia** 44(5):795–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Synchronous growth of Rhodopseudomonas palustris from the swarmer phase. Westmacott D, et al. **J Gen Microbiol** 94(1):117–25, May 76

IMMUNOLOGY

Low-molecular-weight polysaccharide antigens isolated from Rhodopseudomonas gelatinosa. Weckesser J, et al. **J Bacteriol** 123(2):456–62, Aug 75

METABOLISM

Control of composition and activity of the photosynthetic apparatus of Rhodopseudomonas capsulata grown in ammonium-limited continuous culture. Dierstein R, et al. **Arch Microbiol** 106(3):227–35, 31 Dec 75

The branched respiratory system of photosynthetically grown Rhodopseudomonas capsulata. La Monica RF, et al. **Biochim Biophys Acta** 423(3):431–9, 12 Mar 76

Map of genes for carotenoid and bacteriochlorophyll biosynthesis in Rhodopseudomonas capsulata. Yen HC, et al. **J Bacteriol** 126(2):619–29, May 76

Metabolism of methanol by Rhodopseudomonas acidophila. Sahm H, et al. **J Gen Microbiol** 94(2):313–22, Jun 76

Respiratory electron flow and ATPase system in photosynthetically grown Rhodopseudomonas palustris. Knobloch K. **Z Naturforsch [C]** 30(3):342–8, May–Jun 75

[Oxidative phosphorylation capacity of Rhodopseudomonas palustris during growth in light and darkness] Ivanovskii RN, et al. **Mikrobiologiia** 45(2):197–200, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Dark metabolism of Rhodospeudomonas sulfidophila] Keppen OI, et al. **Mikrobiologiia** 45(1):15–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

On the significance of two-dimensional super-structures in biomembranes for energy-transfer and signal conversion. pp. 311–28. Kreutz W, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

RHODOPSEUDOMONAS SPHEROIDES

Photochemical activities of reaction centers from Rhodopseudomonas sphaeroides at low temperature and in the presence of chaotropic agents. Romijn JC, et al. **Biochim Biophys Acta** 423(2):164–73, 16 Feb 76

Procaryote phylogeny IV: concerning the phylogenetic status of a photosynthetic bacterium. Zablen L, et al. **J Mol Evol** 5(1):25–34, 9 Jun 75

Triplet states of carotenoids from photosynthetic bacteria studied by nanosecond ultraviolet and electron pulse irradiation. Bensasson R, et al. **Photochem Photobiol** 23(3):189–93, Mar 76

ANALYSIS

The nature of a pgiment–protein complex excreted from mutants of Rhodopseudomonas sphaeroides. Richards WR, et al. **Biochemistry** 14(26):5554–61, 30 Dec 75

Extrachromosomal deoxyribonucleic acid in wild-type and photosynthetically incompetent strains of Rhodopseudomonas spheroides. Saunders VA, et al. **J Bacteriol** 125(3):1180–7, Mar 76

CLASSIFICATION

Rhodopseudomonas sphaeroides forma sp. denitrificans, a denitrifying strain as a subspecies of Rhodopseudomonas sphaeroides. Satoh T, et al. **Arch Microbiol** 108(3):265–9, Jul 76

CYTOLOGY

Cytoplasmic and outer membranes separation in Rhodopseudomonas sphaeroides. Guillotin J, et al. **Arch Microbiol** 105(3):269–75, 7 Nov 75

DRUG EFFECTS

Ubiquinone–cytochrome b electron and proton transfer: a functional pK on cytochrome b50 in Rhodopseudomonas sphaeroides membranes. Petty KM, et al. **Arch Biochem Biophys** 172(2):346–53, Feb 76

ENZYMOLOGY

Control of 5-aminolaevulinate synthetase activity in Rhodopseudomonas spheroides a role for trisulphides. Sandy JD, et al. **Biochem J** 150(2):245–57, Aug 75

Purification and physicochemical properties of superoxide dismutase from two photosynthetic microorganisms. Lumsden J, et al. **Biochim Biophys Acta** 438(2):380–92, 8 Jul 76

5-Aminolevulinic-acid synthetases from Rhodopseudomonas spheroides Y. Comparison of the purification and properties of enzymes extracted from bacteria grown in different iron concentrations. Clement-Metral JD, et al. **Eur J Biochem** 59(1):73–7, 1 Nov 75

Reactivation by glycerol and ethylene glycol of inactivated delta-aminolevulinic acid synthetase of Rhodopseudomonas spheroides. Yubisui T, et al. **Experientia** 32(7):859–60, 1976

sn-Glycerol-3-phosphate acyltransferase activity in particulate preparations from anaerobic, light-grown cells of Rhodopseudomonas spheroides. Involvement of acyl thiolester derivatives of acyl carrier protein in the synthesis of complex lipids. Lueking DR, et al. **J Biol Chem** 250(21):8530–5, 10 Nov 75

Control of 5-aminolaevulinate synthetase activity in Rhodopseudomonas spheroides. Wider de Xifra EA, et al. **Philos Trans R Soc Lond [Biol]** 273(924):79–98, 5 Feb 76

METABOLISM

Properties of the flash-induced proton binding encountered in membranes of Rhodopseudomonas sphaeroides: a functional pK on the ubisemiquinone? Petty KM, et al. **Arch Biochem Biophys** 172(2):335–45, Feb 76

Ubiquinone–cytochrome b electron and proton transfer: a functional pK on cytochrome b50 in Rhodopseudomonas sphaeroides membranes. Petty KM, et al. **Arch Biochem Biophys** 172(2):346–53, Feb 76

The primary acceptor of bacterial photosynthesis: its operating midpoint potential? Prince RC, et al. **Arch Biochem Biophys** 172(2):329–34, Feb 76

Investigation of the structure of the reaction center in photosynthetic bacteria by optical detection of triplet state magnetic resonance. Clarke RH, et al. **Biochem Biophys Res Commun** 71(2):671–5, 26 Jul 76

Picosecond kinetics in reaction centers of Rps. sphaeroides and the effects of ubiquinone extraction and reconstitution. Kaufmann KJ, et al. **Biochem Biophys Res Commun** 70(3):839–45, 7 Jun 76

Resonance Raman scattering of bacteriochlorophyll, bacteriopheophytin and spheroidene in reaction centers of Rhodopseudomonas speroides. Lutz M, et al. **Biochem Biophys Res Commun** 69(3):711–7, 5 Apr 76

Delayed fluorescence from Rhodopseudomonas sphaeroides following single flashes. Carithers RP, et al. **Biochim Biophys Acta** 440(1):215–32, 9 JUL 76

Carotenoid triplet states in reaction centers from Rhodopseudomonas sphaeroides and Rhodospirillum rubrum. Cogdell RJ, et al. **Biochim Biophys Acta** 408(3):189–99, 11 Dec 75

The type, amount, location, and energy transfer properties of the carotenoid in reaction centers from Rhodopseudomonas sphaeroides. Cogdell RJ, et al. **Biochim Biophys Acta** 430(1):83–93, 9 Apr 76

The extent of the stimulated electrical potential decay under phosphorylating conditions and the H+/ATP ratio in Rhodopseudomonas sphaeroides chromatophores following short flash excitation. Jackson JB, et al. **Biochim Biophys Acta** 408(1):83–92, 10 Oct 75

A 4-vinylprotochlorophyllide complex accumulated by 'phofil' mutant of Rhodopseudomonas spheroides. An authentic intermediate in the development of the photosynthetic apparatus. Pradel J, et al. **Biochim Biophys Acta** 430(2):253–64, 14 May 76

Photochemical activities of reaction centers from Rhodopseudomonas sphaeroides at low temperature and in the presence of chaotropic agents. Romijn JC, et al. **Biochim Biophys Acta** 423(2):164–73, 16 Feb 76

Electrical potential changes, H+ translocation and phosphorylation induced by short flash excitation in Rhodopseudomonas sphaeroides chromatophores. Saphon S, et al. **Biochim Biophys Acta** 408(1):67–82, 10 Oct 75

The functional unit of electrical events and phosphorylation in chromatophores from Rhodopseudomonas sphaeroides. Saphon S, et al. **Biochim Biophys Acta** 408(1):58–66, 10 Oct 75

Detection of two further beta-type cytochromes in Rhodopseudomonas spheroides. Saunders VA, et al. **Biochim Biophys Acta** 396(2):220–8, 11 Aug 75

Some experiments on the primary electron acceptor in reaction centres from Rhodopseudomonas sphaeroides. Wraight CA, et al. **Biochim Biophys Acta** 396(2):242–9, 11 Aug 75

Transport of amino acids in membrane vesicles of Rhodopseudomonas spheroides energized by respiratory and cyclic electron flow. Hellingwerf KJ, et al. **Eur J Biochem** 55(2):397–406, 1 Jul 75

Picosecond kinetics of the 1250 nm band of the Rps. sphaeroides reaction center: the nature of the primary photochemical intermediary state. Dutton PL, et al. **FEBS Lett** 60(2):275–80, 15 Dec 75

Further studies on the Rieske iron-sulfur center in mitochondrial and photosynthetic systems: a pK on the oxidized form. Prince RG, et al. **FEBS Lett** 65(1):117–9, 15 May 76

Mechanisms of membrane electron and proton transfer. pp. 278–96. Dutton PL, et al. **In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974.**

Uptake of C4 dicarboxylates and pyruvate by Rhodopseudomonas spheroides. Gibson J. **J Bacteriol** 123(2):471–80, Aug 75

Glycerol dissimilation in Rhodopseudomonas sphaeroides. Pike L, et al. **J Bacteriol** 124(3):1101–5, Dec 75

Light-induced tetracycline accumulation by Rhodopseudomonas sphaeroides. Weckesser J, et al. **J Supramol Struct** 4(4):515–20, 1976

Primary acceptor in bacterial photosynthesis: obligatory role of ubiquinone in photoactive reaction centers of Rhodopseudomonas spheroides. Okamura MY, et al. **Proc Natl Acad Sci USA** 72(9):3491–5, Sep 75

[Control of ATP metabolism in Rhodopseudomonas spheroides] Pradel J, et al. **C R Acad Sci [D] (Paris)** 282(15):1449–51, 12 Apr 76 (Eng. Abstr.) **(Fre)**

[Temperature dependence of the kinetics of dark reduction of bacteriochlorophyll P870, oxidized by impulse laser and continuous light in photosynthetic reaction center preparations from Rhodosuedomonas spheroides strain 1760-1] Chamorovskii SK, et. al. **Biofizika** 21(2):300–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Membranes of Rhodopseudomonas sphaeroides. IV. Assembly of chromatophores in low-aeration cell suspensions. Niederman RA, et al. **Biochim Biophys Acta** 440(2):429–47, 13 Aug 76

Separation of inner and outer membranes of Rhodopseudomonas spheroides. Ding DH, et al. **Prep Biochem** 6(1):61–79, 1976

RHODOPSIN see under **RETINAL PIGMENTS**

RHODOSPIRILLACEAE

ANALYSIS

Iron–sulfur proteins of the green photosynthetic bacterium Chlorobium. Knaff DB, et al. **Biochim Biophys Acta** 430(2):244–52, 14 May 76

ENZYMOLOGY

Primary structure determination of two cytochromes c2: close similarity to functionally unrelated mitochondrial cytochrome C. Ambler RP, et al. **Proc Natl Acad Sci USA** 73(2):472–5, Feb 76

[Alcohol dehydrogenase activity of nonsulfur purple bacteria] Krasil'nikova EN. **Mikrobiologiia** 44(5):795–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Isolation and growth rates of methanol utilizing Rhodospirillaceae. Douthit HA, et al. **Arch Microbiol** 107(2) 19 Mar 76

ISOLATION & PURIFICATION

Isolation and identification of photosynthetic bacteria (Rhodospirillaceae) from Antarctic marine and freshwater sediments. Herbert RA. **J Appl Bacteriol** 41(1):75–80, Aug 76

RHODOSPIRILLALES

ENZYMOLOGY

Ribulose 1,5-diphosphate carboxylase and Cholorobium thiosulfatophilum. Buchanan BB, et al. **Arch Microbiol** 109(1–2):15–9, Aug 76

Cysteine and S-sulfocysteine biosynthesis in phototrophic bacteria. Hensel G, et al. **Arch Microbiol** 109(1–2):101–3,

Aug 76

METABOLISM

The capacity of phototrophic sulfur bacterium Thiocapsa roseopersicina for chemosynthesis. Kondratieva EN, et al. **Arch Microbiol** 108(3):287–92, Jul 76

[Photoinduced reduction of NAD(P) in the cells of green sulfur bacteria] Ivanovskiĭ RN. **Mikrobiologiia** 44(6):965–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structure and composition of intracytoplasmic membranes of Ectothiorhodospira mobilis. Oyewole SH, et al. **Arch Microbiol** 107(2):167–82, 19 Mar 76

RHODOSPIRILLUM RUBRUM

Letter: Optically detected zero-field magnetic resonance studies of the photoexcited triplet state of the photosynthetic bacterium Rhodosopirillum rubrum. Clarke RH, et al. **J Am Chem Soc** 97(24):7178–9, 26 Nov 75

Polarographic studies on ubiquinone-10 and rhodoquinone bound with chromatophores from Rhodospirillum rubrum. Erabi T, et al. **J Biochem (Tokyo)** 78(4):795–801, October 75

Triplet states of carotenoids from photosynthetic bacteria studied by nanosecond ultraviolet and electron pulse irradiation. Bensasson R, et al. **Photochem Photobiol** 23(3):189–93, Mar 76

ANALYSIS

Membranes of Rhodospirillum rubrum: isolation and physicochemical properties of membranes from aerobically grown cells. Collins ML, et al. **J Bacteriol** 126(3):1316–25, Jun 76

Membranes of Rhodospirillum rubrum: physicochemical properties of chromatophore fractions isolated from osmotically and mechanically disrupted cells. Collins ML, et al. **J Bacteriol** 126(3):1326–38, Jun 76

Characterization of two soluble ferredoxins as distinct from bound iron–sulfur proteins in the photosynthetic bacterium Rhodospirillum rubrum. Yoch DC, et al. **J Biol Chem** 250(21):8330–6, 10 Nov 75

CYTOLOGY

Characterization of two cell-envelope fractions from chemotrophically grown Rhodospirillum rubrum. Oelze J, et al. **Antonie van Leeuwenhoek** 41(3):273–86, 1975

Phototactic response of aerobically cultivated Rhodospirillum rubrum. Harayama S, et al. **J Gen Microbiol** 94(1):173–9, May 76

Motility in normal and filamentous forms of Rhodospirillum rubrum. Lee AG, et al. **J Gen Microbiol** 93(2):346–54, Apr 76

ENZYMOLOGY

Preparation of cytochrome c2 from Rhodospirillum rubrum. Sponholtz DK, et al. **Anal Biochem** 72:255–60, 7 May 76

Unidirectional inhibition of phosphoenolpyruvate carboxykinase from Rhodospirillum rubrum by ATP. Klemme JH. **Arch Microbiol** 107(2):189–92, 19 Mar 76

Immunological and fluorescence studies with the coupling factor ATPase from Rhodospirillum rubrum. Berzborn RJ, et al. **Biochim Biophys Acta** 396(3):360–70, 8 Sep 75

The control of the adenosine triphosphatase of Rhodospirillum rubrum chromatophores by divalent cations and the membrane high energy state. Edwards PA, et al. **Eur J Biochem** 62(1):7–14, 2 Feb 76

Regulatory properties of the citrate synthase from Rhodospirillum rubrum. Massarini E, et al. **Experientia** 32(4):426–8, 15 Apr 76

D-alpha-Hydroxyglutarate dehydrogenase of Rhodospirillum rubrum. Ebisuno T, et al. **J Biochem (Tokyo)** 78(6):1321–9, Dec 75

Coupling factors ATPases from photosynthetic bacteria. Melandri BA, et al. **J Bioenerg** 8(2):109–19, Apr 76

Amino acid sequence of cytochrome c' from the purple photosynthetic bacterium Rhodospirillum rubrum S1. Meyer TE, et al. **J Biol Chem** 250(21):8416–21, 10 Nov 75

Regulation of nitrogenase synthesis in intact cells of Rhodospirillum rubrum: inactivation of nitrogen fixation by ammonia, L-glutamine and L-asparagine. Neilson AH, et al. **J Gen Microbiol** 91(1):53–62, Nov 75

Coupling factor adenosine-5'-triphosphatase from Rhodospirillum rubrum: a simple and rapid procedure for its purification. Lücke FK, et al. **Z Naturforsch [C]** 31(5–6):272–9, May–Jun 76

[Purification and properties of Rhodospirillum rubrum NADP-reductase] Laurinavichene TV, et al. **Biokhimiia** 41(3):476–81, Mar 76 (Eng. Abstr.) **(Rus)**

METABOLISM

The primary acceptor of bacterial photosynthesis: its operating midpoint potential? Prince RC, et al. **Arch Biochem Biophys** 172(2):329–34, Feb 76

A possible physiological function of the oxygen-photoreducing system of Rhodospirillum rubrum. Giménez-Gallego G, et al. **Arch Microbiol** 109(1–2):119–25, Aug 76

The early formation of the photosynthetic apparatus in Rhodospirillum rubrum. Oelze J, et al. **Arch Microbiol** 108(3):281–5, Jul 76

Pyruvate fermentation in Rhodospirillum rubrum and after transfer from aerobic to anaerobic conditions in the dark. Schön G, et al. **Arch Microbiol** 107(1):87–92, Feb 76

The photogeneration of superoxide by isolated photoreaction center from Rhodospirillum rubrum. Boucher F, et al. **Biochem Biophys Res Commun** 67(1):421–6, 3 Nov 75

Investigation of the structure of the reaction center in photosynthetic bacteria by optical detection of triplet state magnetic resonance. Clarke RH, et al. **Biochem Biophys Res Commun** 71(2):671–5, 26 Jul 76

Light-dependent ATP formation in a non-phototrophic mutant of Rhodospirillum rubrum deficient in oxygen photoreduction. dell Valle-Tascón S, et al. **Biochem Biophys Res Commun** 66(2):514–9, 16 Sep 75

New experimental approach to the estimation of rate of electron transfer from the primary to secondary acceptors in the photosynthetic electron transport chain of purple bacteria. Chamorovsky SK, et al. **Biochim Biophys Acta** 430(1):62–70, 9 Apr 76

Carotenoid triplet states in reaction centers from Rhodopseudomonas sphaeroides and Rhodospirillum rubrum. Cogdell RJ, et al. **Biochim Biophys Acta** 408(3):189–99, 11 Dec 75

Early formation of intracytoplasmic membranes in Rhodospillum rubrum. Oelze J. **Biochim Biophys Acta** 436(1):95–100, 4 Jun 76

Measurement of transmembrane potentials in Rhodospirillum rubrum chromatophores with an oxacarbocyanine dye. Pick U, et al. **Biochim Biophys Acta** 440(1):189–204, 9 JUL 76

Cell-free, protein-synthesizing system of photosynthetic and heterotrophic Rhodospirillum rubrum. Chow CT. **Can J Microbiol** 22(2):304–8, Feb 76

Properties of ribonucleic acids from photosynthetic and heterotrophic Rhodospirillum rubrum. Chow CT. **Can J Microbiol** 22(2):228–36, Feb 76

A novel short-lived emission from the photosynthetic bacterium Rhodospirillum rubrum. Silberstein BR, et al. **FEBS Lett** 63(2):299–303, 1 Apr 76

Effects of 4-[beta-(diethylamino)-ethoxy]-benzophenone upon carotenogenesis in Rhodospirillum rubrum. Hayman EP, et al. **J Bacteriol** 127(2):1030–1, Aug 76

Polarographic studies in presence of Triton X-100 on oxidation-reduction components bound with chromatophores from Rhodospirillum rubrum. Erabi T, et al. **J Biochem (Tokyo)** 79(3):497–503, Mar 76

Role of ubiquinone-10 in electron transport system of chromatophores from Rhodospirillum rubrum. Higuti T, et al. **J Biochem (Tokyo)** 78(1):51–6, Jul 75

Effects of pH indicators on various activities of chromatophroes of Rhodospirillum rubrum. Hosoi K, et al. **J Biochem (Tokyo)** 78(6):1331–46, Dec 75

Formation of beta-methylmalate and its conversion to citramalate in Rhodospirillum rubrum. Osumi T, et al. **J Biochem (Tokyo)** 78(4):763–72, October 75

Possible role of firmly bound ATP in the energy transduction of photosynthetic membranes. Lutz HU, et al. **J Supramol Struct** 3(5–6):498–509, 1975

[Theoretical study of the kinetics of dark reduction of photochemically oxidized bacteriochlorophyll in the reaction center of Rhodospirillum rubrum chromatophores] Pyt'eva NF, et al. **Biofizika** 21(1):118–23, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Reconstruction of the function of membrane potential formation by isolated pigment-protein complexes of Rhodospirillum rubrum] Barskiĭ EL, et al. **Biokhimiia** 41(3):513–9, Mar 76 (Eng. Abstr.) **(Rus)**

[Effect of temperature on the dark reduction of photooxidized bacteriochlorophyll P870 in Rhodospirillum rubrum photosynthetic bacteria] Lukashev EP, et al. **Biol Nauki** (7):48–55, 1975 **(Rus)**

[Phototransformations of bacteriopheophytin in reaction centers of Rhodospirillum rubrum and Crhomatium minutissimum] Shuvalov VA, et al. **Dokl Akad Nauk SSSR** 227(4):984–7, 1976 **(Rus)**

[Role of ferredoxin in the metabolism of hydrogen by Rhodospirillum rubrum] Gogotov IN, et al. **Mikrobiologiia** 44(4):581–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Acid-soluble nucleotides of the phototrophic bacterium Rhodospirillum rubrum during growth in light and in darkness] Shadi A, et al. **Mikrobiologiia** 44(2):206–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Polyphosphate biosynthesis in Rhodospirillum rubrum chromatophores] Shadi A, et al. **Mikrobiologiia** 45(2):333–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structural order in chromatophore membranes of Rhodospirillum rubrum. Ueki T, et al. **Nature** 262(5571):809–10, 26 Aug 76

RHODOTORULA see under **MONILIALES**

RHOMBENCEPHALIC SLEEP see **SLEEP, REM**

RHUS

ENZYMOLOGY

Kinetic studies of Rhus vernicifera laccase. Evidence for multi-electron transfer and an oxygen intermediate in the reoxidation reaction. Andréasson LE, et al. **Biochim Biophys Acta** 438(2):370–9, 8 Jul 76

Kinetics of the reduction of Rhus vernicifera laccase by ferrocyanide ion. Holwerda RA, et al. **J Am Chem Soc** 97(21):6036–41, 15 Oct 75

Letter: Susceptibility studies of laccase and oxyhemocyanin using an ultrasensitive magnetometer. Antiferromagnetic behavior of the type 3 copper in Rhus laccase. Solomon EI, et al. **J Am Chem Soc** 98(4):1029–31, 18 Feb 76

RHUS DERMATITIS see **POISON IVY DERMATITIS**

RHYTHM METHOD

Psychodynamics of contraception with particular reference to rhythm. pp. 195–212. Bardwick JM.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Determination of fertile and infertile days by the mucus pattern: development of the ovulation method. pp. 149–70. Billings JJ, et al.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Possible effects of the periodic abstinence method. pp. 96–108. Guerrero R.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

The Mauritius program. pp. 239–48. Guy F, et al.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

A community family planning program. pp. 121–31. McCarthy JJ Jr.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

The Philippine program. pp. 249–55. Madigan FC.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Psychologic aspects of the basal body temperature method of regulating births. pp. 213–34. Marshall J, et al.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

A correspondence course. pp. 111–5. Nabors GC.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

A large city clinic. pp. 116–20. Pisani BJ.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

The rhythm method of contraception. Porter JF.
J Reprod Fertil [Suppl] (22):91–105, Apr 75

Letter: Natural family planning. **Lancet** 2(7985):579, 11 Sep 76

Cervical-mucus and basal body-temperature method of regulating births. Field trial. Marshall J. **Lancet** 2(7980):282–3, 7 Aug 76

Letter: Natural family planning. Marshall J. **Lancet** 02(7987):685, 25 Sep 76

Physicians help make rhythm work. Keefe EF.
NY State J Med 76(2):205–8, Feb 76

Natural family planning. Dunn HP. **NZ Med J** 82(554):407–8, 24 Dec 75

RIB FRACTURES

[Analysis of ribs and serial fractures of the ribs] Bartel M, et al. **Zentralbl Chir** 101(2):77–84, 1976 **(Ger)**

CLASSIFICATION

[Fenestrated rib fracture, a disease entity?] Pál S, et al. **Magy Traumatol Orthop** 18(3):199–205, 1975 **(Hun)**

COMPLICATIONS

Pulmonary barriers to oxygen transport in chest trauma. Blair E. **Am Surg** 42(1):55–61, Jan 76

Reactivation of pulmonary tuberculosis due to trauma. DuBrow EL, et al. **Chest** 68(4):596–8, Oct 75

[A case of chylothorax consecutive to a closed vertebro-costal trauma] Forster E, et al. **Chirurgie** 101(8):605–16, 11–25 Jun 75 (50 ref.) (Eng. Abstr.) **(Fre)**

[Unusual cause of subclavian vein and rigt jugular vein occlusion] von Wyttenbach A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):275–7, Sep 75 **(Ger)**

[Pathological fracture in hyperlipidemia] Yaretzky A, et al. **Harefuah** 89(4):166–8, 15 Aug 75 (Eng. Abstr.) **(Heb)**

DIAGNOSIS

[Multiple rib fractures or rib anomalies? (author's transl)] Kemperdick H, et al. **Klin Paediatr** 188(3):278–80, May 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Letter: Multiple rib fractures due to physiotherapy in a

neonate with hyaline membrane disease. Purohit DM, et al. **Am J Dis Child** 129(9):1103–4, Sep 75

A complication of nephrectomy by the supracostal approach. Williams G, et al. **Br J Urol** 48(2):106, Apr 76

[Stress fractures in ribs due to river paddling] Molvaer OI. **Tidsskr Nor Laegeforen** 96(3):149–50, 153, 30 Jan 76 (Eng. Abstr.) **(Nor)**

[Letter: Fatigue fractures of the ribs during paddling in river rapids] Wannag A. **Tidsskr Nor Laegeforen** 96(12):723–4, 30 Apr 76 (Eng. Abstr.) **(Nor)**

[Spontaneous rib fracture caused by coughing] Bednarski Z. **Wiad Lek** 29(14):1299–301, 15 Jul 76 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

[Bilateral traumatic isolated fracture of the 1st rib] Kraft W, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):191, Feb 76 **(Ger)**

SURGERY

[Stabilization of serial rib fractures using perforated plates of the general orthopedics small fragment instrumentation—preliminary clinical experiences] Aigner PW, et al. **Hefte Unfallheilkd** (121):199–201, 1975 **(Ger)**

[Osteosynthesis of the ribs in the instable throax following trauma] Aigner PW. **Munch Med Wochenschr** 118(6):171–2, 6 Feb 76 **(Ger)**

[Fixation of the thoracic cover in the treatment of multiple rib fractures] Kostic LJ, et al. **Acta Chir Iugosl** 23(1 Suppl):267–71, 1976 **(Ser)**

THERAPY

Control of respiratory therapy in flail chest. Lewis FL Jr, et al. **Ann Thorac Surg** 20(2):170–6, Aug 75

Letter: Management of flail chest. Trinkle JK. **Ann Thorac Surg** 20(6):721, Dec 75

Epidural analgesia for the treatment of multiple ribfractures. Dittmann M, et al. **Eur J Intensive Care Med** 1(2):71–5, May 75

[Flail chest in a child. Cure by the combination of osteosynthesis and continuous traction] Argenson C, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):97–9, 1975 (Eng. Abstr.) **(Fre)**

RIBOFLAVIN

Structural elucidation and properties of 8alpha-(N1-histidyl)riboflavin: the flavin component of thiamine dehydrogenase and beta-cyclopiazonate oxidocyclase. Edmondson DE, et al. **Biochemistry** 15(14):2937–45, 13 Jul 76

Effects of pressure upon the fluorescence of the riboflavin binding protein and its flavin mononucleotide complex. Li TM, et al. **Biochemistry** 15(15):3205–11, 27 Jul 76

Occurrence of fatty acid methyl esters and cholesterol in a molecular complex with riboflavin. A correction. Lewis RW. **Biochim Biophys Acta** 398(3):353, 19 Sep 75

The interaction of riboflavin with a protein isolated from hen's egg white: a spectrofluorimetric study. Murthy US, et al. **Biochim Biophys Acta** 434(1):69–81, 20 May 76

Further observations on the photooxidation of DNA in the presence of riboflavin. Speck WT, et al. **Biochim Biophys Acta** 435(1):39–44, 2 Jun 76

Reversible binding of riboflavin and pteridines to melanin in vitro. Obika M. **Comp Biochem Physiol [B]** 53(4):521–3, 1976

Intramolecular addition of the riboflavin side chain. Anion-catalyzed neutral photochemistry. Schuman Jorns M, et al. **Eur J Biochem** 57(1):35–48, 1 Sep 75

In vitro photodecomposition of uric acid in the presence of riboflavin. Newburger J, et al. **Life Sci** 17(3):443–7, 1 Aug 75

Responses of Phycomyces indicating optical excitation of the lowest triplet state of riboflavin. Delbrück M, et al. **Proc Natl Acad Sci USA** 73(6):1969–73, Jun 76

[The activity of glutathione-reductase and FAD-effect as indicators of the riboflavin level in experiments and in patients with phenylketonuria] Kastrikina LN, et al. **Vopr Pitan** (5):12–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Allergic skin reactions caused by group B vitamins] Soloshenko EN, et al. **Sov Med** (10):141, Oct 75 **(Rus)**

ANALOGS & DERIVATIVES

5-Deaza- and 5-thiariboflavins: a simple pathway to antimetabolites of vitamin B2. Janda M, et al. **Angew Chem [Engl]** 15(7):443–4, Jul 76

Synthetic flavinyl peptides related to the active site of mitochondrial monoamine oxidase. I. Chemical and spectral properties. Falk MC, et al. **Biochemistry** 15(3):639–45, 10 Feb 76

Synthetic flavinyl peptides related to the active site of mitochondrial monoamine oxidase II. Fluorescence properties. Falk MC, et al. **Biochemistry** 15(3):646–53, 10 Feb 76

Preparation, characterization, and chemical properties of the flavin coenzyme analogues 5-deazariboflavin, 5-deazariboflavin 5'-phosphate, and 5-deazariboflavin 5'-diphosphate, 5'leads to5'-adenosine ester. Spencer R, et al. **Biochemistry** 15(5):1043–53, 9 Mar 76

Synthesis, separation, identification and interconversion of riboflavin phosphates and their acetyl derivatives: a reinvestigation. Scola-Nagelschneider G, et al. **Eur J Biochem** 66(3):567–77, 15 Jul 76

Effect of 8-amino-8-dimethyl-D-araboflavin, 8-amino-8-dimethyl-D-riboflavin and 8-hydroxy-8-demethyl-D-riboflavin on mice. Matsui K, et al. **J Nutr Sci Vitaminol (Tokyo)** 20(6):411–20, 1974

[Operon of riboflavin synthesis in Bacillus subtilis. IX. Preparation and properties of lumiflavin- or lumichrome-resistant mutants] Bresler SE, et al. **Genetika** 11(8):129–38, 1975 (Eng. Abstr.) **(Rus)**

[Riboflavin and lumiflavin analogs and alloxazine derivatives. I. Effect on riboflavin synthesis by and growth of Bacillus subtilis] Stepanov AI, et al. **Genetika** 11(9):116–24, 1975 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electrochemical assay of thiamine, riboflavin, pyridoxine, nicotinamide and ascorbic acid in pharmaceutical preparations. Soderhjelm P, et al. **Acta Pharm Suec** 13(3):201–12, 1976

Identification and properties of 8alpha-(N(1)-histidyl)-riboflavin: the flavin component of thiamine dehydrogenase and beta-cyclopiazonate oxidocyclase. Edmondson DE, et al. **Biochem Biophys Res Commun** 68(1):242–8, 12 Jan 76

Quantitative determination of drugs by means of densitometry of thin-layer chromatograms. Part 5: Determination of the Vitamins B1, B2, B6 and B12 in mixture and in pharmaceutical preparations. Joneidi M, et al. **Pharmazie** 30(7):453–5, Jul 75

[Riboflavin content of commercial samples of alimentary pastes (author's transl)] Burini G, et al. **Riv Sci Tecn Nutr Um** 5(5–6):313–14, Sep–Dec 75 (Eng. Abstr.) **(Ita)**

[Vitamin B1 and B2 content in chicken meat and eggs] Khamidullina LA, et al. **Veterinariia** (7):106–7, Jul 76 **(Rus)**

[Level of thiamine and riboflavin in slaughtered pork products obtained at an industrial complex] Shestakov IuM. **Vopr Pitan** (2):69–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Decreased riboflavin formation in mutants of Aerobacter (Enterobacter) aerogenes deficient in the butanediol pathway. Bryn K, et al. **Biochim Biophys Acta** 428(1):257–9, 25 Mar 76

Studies on the biosynthesis of riboflavin. pp. 285–90. Bacher A, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Biosynthesis of riboflavin. Structure of the purine precursor and origin of the ribityl side chain. Mailänder B, et al. **J Biol Chem** 251(12):3623–8, 25 Jun 76

Guanosine nucleotide precursor for flavinogenesis of Eremothecium Ashbyii. Mitsuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(5):331–45, 1975

Formation of guanine ribonucleotidyl-(3'-5')-adenosine in a flavinogenic strain of Eremothecium ashbyii. Mitsuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):115–33, 1976

Reutilization of by-product for riboflavin formation in the riboflavin synthetase reaction. Mitsuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(1):67–70, 1976

Biosynthesis of deuterated riboflavin: structure determination by NMR and mass spectrometry. Pluta PL, et al. **J Pharm Sci** 65(3):362–6, Mar 76

[Participation of flavins and iron in regulating the rate of the 1st flavinogenesis reaction in Pichia guilliermondii yeasts] Shavlovskiĭ GM, et al. **Dokl Akad Nauk SSSR** 226(1):217–20, 1 Jan 76 **(Rus)**

[Operon of riboflavin biosynthesis in Bacillus subtilis. VIII. Localization of group ribC markers in relation to the structural gene cluster group] Bresler SE, et al. **Genetika** 11(5):95–100, 1975 (Eng. Abstr.) **(Rus)**

[Operon of riboflavin biosynthesis in Bacillus subtilis. VIII. Localization of group ribC markers in relation to the structural gene cluster group] Bresler SE, et al. **Genetika** 11(5):95–100, 1975 (Eng. Abstr.) **(Rus)**

[Flavinogenesis and regulation of purine biosynthesis de novo in Pichia guilliermondi mutants resiatant to 8-azaguanine] Shavlovskiĭ GM, et al. **Genetika** 11(5):110–8, 1975 (Eng. Abstr.) **(Rus)**

[Flavinogenesis and regulation of purine biosynthesis de novo in Pichia guilliermondi mutants resiatant to 8-azaguanine] Shavlovskiĭ GM, et al. **Genetika** 11(5):110–8, 1975 (Eng. Abstr.) **(Rus)**

[Nature of riboflavin precursors in Pichia guilliermondi yeasts] Logvinenko EM, et al. **Mikrobiologiia** 44(1):48–54, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[A flavinogenic mutant of the yeast Pichia guilliermondii with impaired iron transport] Shavlovskiĭ GM, et al. **Mikrobiologiia** 45(2):313–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Biosynthesis of flavins and its regulation in the yeast Pichia guilliermondii] Shavlovsky GM, et al. **Ukr Biokhim Zh** 47(5):649–60, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Synthesis of thiamine and riboflavin by nodule bacteria of clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(3):314–9, May–Jun 75 (Eng. Abstr.) **(Ukr)**

BLOOD

[Vitamin B1 and B2 metabolism in calves] Anokhin BM, et al. **Veterinariia** (11):68–70, Nov 75 **(Rus)**

CHEMICAL SYNTHESIS

Syntheses of isoalloxazines and isoalloxazine 5-oxides. A new synthesis of riboflavin. Yoneda F, et al. **J Am Chem Soc** 98(3):830–5, 4 Feb 76

METABOLISM

Enzymic evaluation of thiamin, riboflavin and pyridoxine status of parturient women and their newborn infants. Bamji MS. **Br J Nutr** 35(2):259–65, Mar 76

On the biosynthesis of 5-methoxybenzimidazole. Precursor-function of 5-hydroxybenzimidazole, benzimidazole and riboflavin. Wurm R, et al. **Eur J Biochem** 56(2):427–32, 15 Aug 75

Avian riboflavinuria IX. Qualitative action of a mutant gene in chicken on riboflavin-binding protein synthesis. Hammer CH, et al. **Genetics** 82(3):467–76, 25 Mar 76

Incorporation of riboflavin into covalently-bound flavins in rat liver. Yagi K, et al. **J Biochem (Tokyo)** 79(4):841–3, Apr 76

Transport of riboflavin into yeast cells. Perl M, et al. **J Biol Chem** 251(11):3221–8, 10 Jun 76

Effect of carbonated beverages and of an antiemetic containing carbohydrate and phosphoric acid on riboflavin bioavailability and salicylamide biotransformation in humans. Houston JB, et al. **J Pharm Sci** 64(9):1504–7, Sep 75

Variations in melanin and riboflavin content of amphibian liver under the influence of reserpine and amphetamine. Kokolis N. **Z Naturforsch [C]** 31(1–2):98–100, Jan–Feb 76

[Influence of protein-enriched food on tissue vitamin content in pregnant and lactating rats] Leclerc J. **Int J Vitam Nutr Res** 45(2):209–20, 1975 (Eng. Abstr.) **(Fre)**

[Studies on the state of vitamins B1, B2 and B6 in Down's syndrome] Schmid F, et al. **Fortschr Med** 93(25):1170–2, 11 Sep 75 (Eng. Abstr.) **(Ger)**

[Correlation between growth and uptake of excreted riboflavin in Candida guilliermondii] Liesegang A, et al. **Z Allg Mikrobiol** 14(8):691–9, 1974 (Eng. Abstr.) **(Ger)**

[Luminescent analysis in the study of the mechanism of action of ultrasound on corneal permeability] Nuritdinov VA. **Vestn Oftalmol** (1):44–6, 1976 (Eng. Abstr.) **(Rus)**

[Metabolism of riboflavin and its nucleotides in rat liver subcellular fractions in alloxan diabetes] Kuznetsova LN, et al. **Vopr Pitan** (1):21–4, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**

[Study of riboflavin requirement in patients with urinary calculi during complex treatment at the Truskavets health resort] Oleĭnik IuS. **Vrach Delo** (6):97–9, Jun 74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Regulation of 6-hydroxy-2,4,5-triaminopyrimidine synthesis by riboflavin and iron in riboflavin-deficient mutants of Pichia guilliermondii yeast. Shavlovsku GM, et al. **Biochim Biophys Acta** 428(3):611–8, 28 May 76

Influence of carbon tetrachloride or riboflavin on liver carcinogenesis with a single dose of aflatoxin b1. Scotto JM, et al. **Br J Exp Pathol** 56(2):133–8, Apr 75

Influence of riboflavin on disturbances in trytophan metabolism and hepatoma production after a single dose of aflatoxin B1. Lemonnier FJ, et al. **J Natl Cancer Inst** 55(5):1085–7, Nov 75

Some interactions of light, riboflavin, and aflatoxin B1 in vivo and in vitro. Jo...h-Bravo PI, et al. **J Toxicol Environ Health** 1(3):353–76, Jan 76

[Effect of B1, B2 and B6 vitamins on gastro-pancreatic enzymes (author's transl)] Procianoy G, et al. **Rev Bras Pesqui Med Biol** 8(3–4):275–8, May–Aug 75 **(Por)**

[Effect of thiamine, riboflavin and ascorbic acid on tetracycline, erythromycin and levomycetin activity] Velizhenko GG. **Antibiotiki** 20(7):610–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of riboflavin on xanthuria leveloping as a result of protein and choline deficiency] Smirnova MG, et al. **Vopr Pitan** (5):46–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photoreactions of riboflavin in the presence of 2,4-dichlorophenoxyacetic acid (2,4D). Silber J, et al. **J Agric Food Chem** 24(3):679–80, May–Jun 76

THERAPEUTIC USE

The inefficacy of riboflavin against ultraviolet-induced carcinogenesis. Pacernick LJ, et al. **J Invest Dermatol** 65(6):547–8, Dec 75

URINE

Vitamin B2 status in athletes and the influence of riboflavin administration on neuromuscular irritability. Haralambie G. **Nutr Metab** 20(1):1–8, 1976

Avian riboflavinuria. 10. Quantitative changes of riboflavin-binding protein in individual egg tissues during incubation. Tarhay SL, et al. **Poult Sci** 54(2):562–71, Mar 75

RIBOFLAVIN DEFICIENCY

Experimental studies on food selective behavior in squirrel monkeys fed on riboflavin deficient diet. Peretti PO, et

al. **J Gen Psychol** 94(First Half):135–44, Jan 76
Effects of riboflavin repletion during different developmental phases on behavioral patterns, brain nucleic acid and protein contents, and erythrocyte glutathione reductase activity of male rats. Fordyce MK, et al. **J Nutr** 105(9):1150–6, Sep 75
Experimental studies of food selective behavior in squirrel monkeys fed on riboflavin deficient diet. Peretti PO, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(3):199–206, 1975
Riboflavin deficiency, galactose metabolism and cataract. **Nutr Rev** 34(3):77–9, Mar 76 (6 ref.)
[Vitamin B 1, B 2 and B 6 deficiency in aged patients] Hoorn RK, et al. **Ned Tijdschr Geneeskd** 120(20):873–7, 15 May 76 (Eng. Abstr.) **(Dut)**

COMPLICATIONS

Riboflavin deficiency in infants and children with heart disease. Steier M, et al. **Am Heart J** 92(2):139–43, Aug 76

DIAGNOSIS

An automated flavin adenine dinucleotide–dependent glutathione reductase assay for assessing riboflavin nutriture. Garry PJ, et al. **Am J Clin Nutr** 29(6):663–74, Jun 76
Biochemical assessment of vitamin nutritional status and inter–relationship between vitamins. Bamji MS. **Indian J Med Res** 63(3):444–56, Mar 75

ENZYMOLOGY

Pyridoxal–5–phosphate–dependent enzymes in riboflavin deficiency. Lakshmi AV, et al. **Indian J Biochem Biophys** 12(2):136–8, Jun 75
Phenobarbital induced variations in hepatic ethyl–morphine n–demethylase and inorganic pyrophosphatase during riboflavin deficiency. Makhija SJ, et al. **Indian J Biochem Biophys** 12(1):70–2, Mar 75
Effect of simultaneous thiamin and riboflavin deficiencies on the determination of transketolase and glutathione reductase. Vo–Khactu KP, et al. **J Lab Clin Med** 87(5):741–8, May 76

IMMUNOLOGY

Immunoregulatory consequences of vitamin deficiencies on background plaque–forming cells in rats. Koros AM, et al. **Proc Soc Exp Biol Med** 152(3):322–6, Jul 76

METABOLISM

Effects of riboflavin deficiency on oxidative phosphorylation, flavin enzymes and coenzymes in rat liver. Zaman Z, et al. **Biochem Biophys Res Commun** 67(3):1192–8, 1 Dec 75
Regulation of 6–hydroxy–2,4,5–triaminopyrimidine synthesis by riboflavin and iron in riboflavin–deficient mutants of Pichia guilliermondii yeast. Shavlovsku GM, et al. **Biochim Biophys Acta** 428(3):611–8, 28 May 76
Effect of dietary riboflavin levels and phenobarbital pretreatment on hepatic drug metabolizing enzymes and lipid peroxidation in young male rats. Galdhar NR, et al. **Indian J Med Res** 63(4):507–17, Apr 75
Relationship between hepatic mitochondrial oxidative metabolism and morphology during riboflavin deficiency and recovery in mice. Hoppel CL, et al. **J Nutr** 106(1):73–6, Jan 76
Effects of riboflavin deficiency on the lipids of rat liver. Taniguchi M, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):135–46, 1976
[The activity of glutathione–reductase and FAD–effect as indicators of the riboflavin level in experiments and in patients with phenylketonuria] Kastrikina LN, et al. **Vopr Pitan** (5):12–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Riboflavin deficiency in a pediatric population of low socioeconomic status in New York City. Lopez F, et al. **J Pediatr** 87(3):420–2, Sep 75
Riboflavin deficiency in a pediatric population of low socioeconomic status in New York City. Lopez R, et al. **J Pediatr** 87(3):420–2, Sep 75

PATHOLOGY

Electron microscopic study on the lens of riboflavin–deficient albino rat. Hasegawa Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(6):395–401, 1975
[Histological study on the lens of rat suffering from riboflavin deficiency (author's transl)] Hasegawa Y. **Acta Soc Ophthalmol Jpn** 79(5):519–28, 10 May 75 (Eng. Abstr.) **(Jpn)**

VETERINARY

Genetics of cleft palate in chickens and the relationship between the occurrence of the trait and maternal riboflavin deficiency. Juriloff DM, et al. **Poult Sci** 54(2):334–46, Mar 75

RIBOFLAVIN SYNTHASE see under **TRANSFERASES**

RIBONUCLEASE

An improved method for the rapid isolation of RNA from tissue with high ribonuclease content. Bynum JW, et al. **Anal Biochem** 73(1):209–14, 21 May 76
Allelic polymorphism in arabian camel ribonuclease and the amino acid sequence of bactrian camel ribonuclease. Welling GW, et al. **Biochem Genet** 14(3–4):309–17, Apr 76
An allosteric model for ribonuclease. Walker EJ, et al. **Biochem J** 147(3):425–33, Jun 75
Laser Raman spectroscopic studies of the thermal unfolding of ribonuclease A. Chen MC, et al. **Biochemistry** 15(9):1889–97, 4 May 76
A quantitative treatment of the kinetics of the folding transition of ribonuclease A. Hagerman PJ, et al. **Biochemistry** 15(7):1462–73, 6 Apr 76
A comparison of kinetic parameters of polypeptide substrates for protein methylase II. Jamaluddin M, et al. **Biochemistry** 15(14):3077–81, 13 Jul 76
Correlation proton magnetic resonance studies at 250 MHz of bovine pancreatic ribonuclease. I. Reinvestigation of the histidine peak assignments. Markley JL. **Biochemistry** 14(16):3546–54, 12 Aug 75
Correlation proton magnetic resonance studies at 250 MHz of bovine pancreatic ribonuclease. II. pH and inhibitor–induced conformational transitions affecting histidine–48 and one tyrosine residue of ribonuclease A. Markley JL. **Biochemistry** 14(16):554–61, 12 Aug 75
Correlation proton magnetic resonance studies at 250 MHz of bovine pancreatic ribonuclease. III. Mutual electrostatic interaction between histidine residues 12 and 119. Markley JL, et al. **Biochemistry** 14(16):3562–6, 12 Aug 75
Nuclear magnetic resonance studies of residual structure in thermally unfolded ribonuclease A. Matthews CR, et al. **Biochemistry** 14(20):4532–8, 7 Oct 75
The kinetics and specificity of the reaction of 2'(3')–O–bromoacetyluridine with bovine pancreatic ribonuclease A. Pincus M, et al. **Biochemistry** 14(16):3653–61, 12 Aug 75
Transfer free energies and average static accessibilities for ribonuclease A in guanidinium hydrochloride and urea solutions. Schrier MY, et al. **Biochemistry** 15(12):2607–12, 15 Jun 76
Photochemical cross–linking of neighboring residues in protein–nucleic acid complexes: rnase and pyrimidine nucleotide inhibitors. Sperling J, et al. **Biochemistry** 15(7):1489–95, 6 Apr 76
The role of lysine in the action of bovine pancreatic ribonuclease A. Walter B, et al. **Biochemistry** 15(2):304–10, 27 Jan 76
Subsite interactions of ribonuclease T1: binding studies of dimeric substrate analogues. Walz FG Jr, et al. **Biochemistry** 15(13):2837–42, 29 Jun 76
Preparation of cross–linked dimers of pancreatic ribonuclease. Wang D, et al. **Biochemistry** 15(3):660–5, 10 Feb 76
Molecular mechanism of the rifampicin –RNA polymerase interaction. Yarbrough LR, et al. **Biochemistry** 15(12):2669–76, 15 Jun 76
Interaction of transition metal ions with ribonuclease A. II. The selective effects of Mn2+, Zn2+, Cd2+ and Hg2+ on the histidine magnetic resonance. Fan S, et al. **Biochim Biophys Acta** 397(2):405–11, 26 Aug 75
Release of certain ribosomal proteins from 70–S Escherichia coli ribosomes by mild ribonuclease digestion. Gast WH, et al. **Biochim Biophys Acta** 432(1):98–103, 15 Apr 76
An investigation of the electronic and steric environments of tyrosyl residues in ribonuclease A and Erwinia carotovora L–asparaginase through fluorescence quenching by caesium, iodide and phosphate ions. Homer RB, et al. **Biochim Biophys Acta** 434(2):297–310, 15 Jun 76
Directed cleavage of ribopolynucleotides with nucleases restricted by multiple modification of substrate. Mazo AM, et al. **Biochim Biophys Acta** 432(3):353–60, 19 May 76
Proteolytic enzymes as structural probes for ribonuclease BS–1. Parente A, et al. **Biochim Biophys Acta** 445(2):377–85, 14 Sep 76
Studies on the covalent structure of eland pancreatic ribonuclease. Rusechen F, et al. **Biochim Biophys Acta** 427(2):719–26, 14 Apr 76
Fluorescence and the structure of proteins. XXII. Fluorescence of aminotyrosyl residues formed in ribonuclease A. Seagle RL, et al. **Biochim Biophys Acta** 439(2):470–8, 9 Aug 76
Assignment of the histidine 12–threonine 45 hydrogen–bonded proton in the NMR spectrum of ribonuclease A in H2O. Patel DJ, et al. **Biopolymers** 14(5):959–74, May 75
Correlation of exchangeable (NH) and nonexchangeable (C2H) histidine resonances in the proton NMR spectrum of ribonuclease A in aqueous solution. Patel DJ, et al. **Biopolymers** 14(5):975–86, May 75
Reassignment of the active site histidines in ribonuclease A by selective deuteration studies. Patel DJ, et al. **Biopolymers** 14(5):987–97, May 75
Experiments stemming from research on pancreatic ribonuclease. Moore S. **Boll Soc Ital Biol Sper** 51(18 Pt2):5–16, 30 Oct 75
Protein modifications by activated carcinogens. II. The acetylation of ribonuclease by N–acetoxy–3–fluorenylacetamide. Barry EJ, et al. **Chem Biol Interact** 13(1):47–55, Apr 76
Effect of UO2+2 and PtCl2–4 ions on the structure and function of ribonuclease A. Marzotto A. **Chem Biol Interact** 14(3–4):383–91, Aug 76
The enthalpy of interaction of urea with some globular proteins. Andrade MI, et al. **Eur J Biochem** 66(1):127–31, 15 Jun 76
Carbohydrate in pancreatic ribonucleases. Beintema JJ, et al. **Eur J Biochem** 63(2):441–8, 1 Apr 76
Relation between structure and function in some partially synthetic ribonucleases S'. Enzymic and spectroscopic investigation on [Orn10, Asn14]–RNase S' and 1epsilon, 7epsilon, 10delta–triguanidino–[Orn10, Asn14]–RNase S'. Filippi B, et al. **Eur J Biochem** 52(1):65–76, 3 Mar 75
Formation and enzymic properties of dimeric RNase P. Bärwald KR, et al. **FEBS Lett** 60(2):423–6, 15 Dec 75
The amino acid sequence of gnu pancreatic ribonuclease. Groen G, et al. **FEBS Lett** 60(2):300–4, 15 Dec 75
The effect of the termination rho factor and ribonuclease III on the transcription of bacteriophage phi X174 DNA in vitro. Kapitza EL, et al. **FEBS Lett** 64(1):81–4, 15 Apr 76
The amino acid sequences of reindeer, moose and fallow deer pancreatic ribonucleases. Leijenaar–van den Berg G, et al. **FEBS Lett** 56(1):101–7, 1 Aug 75
Activity and antigenicity of ribonuclease hybrids. Welling GW, et al. **FEBS Lett** 63(1):89–94, 15 Mar 76
The amino acid sequence of ribonuclease St. Yoshida N, et al. **FEBS Lett** 64(1):122–5, 15 Apr 76
Differences in molecular structure and substrate specificity between the pyrimidine–specific RNases of reticulocytes and pancreas. pp. 575–9. Prehn S, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie–Verlag, 1975. W3 IN9848G 1973s.**
Human semen ribonuclease. Location, properties and inhibition by sodium dodecyl sulfate, zinc sulfate and EDTA. Mujica A, et al. **Int J Fertil** (2):109–13, 1976
On the reactivity of carboxyl groups of ribonuclease–A in anhydrous methanol. Acharya AS, et al. **Int J Pept Protein Res** 7(3):207–19, 1975
Complete enzymic digestion of acidic proteins. Kay J. **Int J Pept Protein Res** 8(4):379–83, 1976
Deamidated active intermediates in the irreversible acid denaturation of ribonuclease–A. Manjula BN, et al. **Int J Pept Protein Res** 8(3):275–82, 1976
Modification of bovine pancreatic ribonuclease A with pyridoxal 5'–phosphate. Isolation and identification of derivatives. Riquelme P, et al. **Int J Pept Protein Res** 7(5):379–87, 1975
The disulfide bridges of ribonuclease U2 from Ustilago sphaerogena. Sato S, et al. **J Biochem (Tokyo)** 77(6):1171–6, Jun 75
Nuclear magnetic resonance titration curves of histidine ring protons. Conformational transition affecting three of the histidine residues of ribonuclease. Cohen JS, et al. **J Biol Chem** 250(22):8874–81, 25 Nov 75
Ribonuclease S–peptide. A model for molecular recognition. Levit S, et al. **J Biol Chem** 251(5):1333–9, 10 Mar 76
Nuclear magnetic resonance titration curves of histidine ring protons. Ribonuclease S–peptide and S–proteins. Shindo H, et al. **J Biol Chem** 251(9):2648–52, 10 May 76
Nuclear magnetic resonance titration curves of histidine ring protons. A direct assignment of the resonances of the active site histidine residues of ribonuclease. Shindo H, et al. **J Biol Chem** 251(9):2644–7, 10 May 76
Nuclear magnetic resonance titration curves of histidine ring protons. The effect of temperature on ribonuclease A. Westmoreland DG, et al. **J Biol Chem** 250(18):7456–60, 25 Sep 75
Nucler magnetic resonance studies of the unfolding of pancreatic ribonuclease. Benz FW, et al. **J Mol Biol** 91(3):345–65, 25 Jan 75
Nuclear magnetic resonance studies of the unfolding of pancreatic ribonuclease. II. Unfolding by urea and guanidine hydrochloride. Benz FW, et al. **J Mol Biol** 91(3):367–87, 25 Jan 75
Volume occupation, environment and accessibility in proteins. The problem of the protein surface. Finney JL. **J Mol Biol** 96(4):721–32, 25 Aug 75
A physical difference between the fast– and slow–refolding forms of nitrotyrosyl ribonuclease A: the pK values of the nitrotyrosyl groups. Garel JR, et al. **J Mol Biol** 94(4):621–32, 5 Jun 75
Automated interpretation of electron density maps of proteins: derivation of atomic co–ordinates for the main chain. Greer J. **J Mol Biol** 200(4):427–58, 5 Feb 76
Degradation of DNA . RNA hybrids by aggregates of pancreatic ribonuclease. Libonati M, et al. **J Sports Med** 1(4):292–8, 1973
A hypothesis for the pathway of the thermally–induced unfolding of bovine pancreatic ribonuclease. Burgess AW, et al. **J Theor Biol** 53(2):403–20, Sep 75
Further characterization of the Friend murine leukemia virus reverse transcriptase–RNase H complex. Moelling K. **J Virol** 18(2):418–25, May 76
Ion effects on macromolecules in aqueous solution. Hey MJ, et al. **Nature** 262(5571):807–9, 26 Aug 76
Dynamics of a protein matrix revealed by fluorescence quenching. Eftink MR, et al. **Proc Natl Acad Sci USA** 72(9):3290–4, Sep 75
Guanidine–unfolded state of ribonuclease A contains both fast– and slow–refolding species. Garel JR, et al. **Proc Natl Acad Sci USA** 73(6):1853–7, Jun 76
[Tritiation of ribonuclease by exchange with gaseous tritium produced by an electric charge] Noyer M, et al. **Arch Int Physiol Biochim** 83(5):985, Dec 75 **(Fre)**
[Some kinetic characteristics of endodeoxyribonuclease of non–fertilized ova of Asterias forbesii] Gauthier S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2031–2, 30 Dec 74 **(Ita)**

[Temperature changes in ribonuclease] Tiktopulo EI, et al. **Biofizika** 20(5):778–82, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Substrate specificity of Aspergillus clavatus intracellular acid RNAase] Ivanova GS, et al. **Biokhimiia** 41(3):482–6, Mar 76 (Eng. Abstr.) **(Rus)**

[A spectrophotometric study of Penicillium brevicompactum RNAase complex formation with adenine nucleotides] Krupianko VI. **Biokhimiia** 41(3):520–5, Mar 76 (Eng. Abstr.) **(Rus)**

[Preparatory extraction of 5'-oligoribonucleotides using ribonuclease from cobra venom] Vasilenko SK, et al. **Biokhimiia** 41(2):260–3, Feb 76 (Eng. Abstr.) **(Rus)**

[Preparation of 3H-ribonuclease by the method of tritium activation at high temperature and its purification using affinity chromatography] Gonikberg EM, et al. **Dokl Akad Nauk SSSR** 229(1):112–5, JUL–AUG 76 **(Rus)**

[Theoretical conformational analysis or uridine-2', 3'-cyclophosphate and its noncovalent complex with ribonuclease S] Lipkind GM, et al. **Dokl Akad Nauk SSSR** 224(5):1212–5, 11 Oct 75 **(Rus)**

[Modification of pancreatic ribonuclease by dextran sulfates] Samsonov GV, et al. **Dokl Akad Nauk SSSR** 228(4):985–7, 1976 **(Rus)**

[Stimulation of ribonuclease activity under the influence of nitrosoethylurea] Ivanitskaia EA, et al. **Genetika** 12(4):156–8, 1976 (Eng. Abstr.) **(Rus)**

[Physico-chemical properties of ribonuclease A modified with pyridoxal-5'-phosphate] Dudkin SM, et al. **Mol Biol (Mosk)** 9(1):36–47, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[A theoretical analysis of the binding of methyl derivatives of uracil at the contact portion of the active center of ribonuclease S] Lipkind GM, et al. **Mol Biol (Mosk)** 10(2):395–403, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Simple assay methods for ribonuclease T1, T2, and nuclease P1. Oshima T, et al. **Anal Biochem** 71(2):632–4, Apr 76

The amino acid sequence of pike-whale (lesser-rorqual) pancreatic ribonuclease. Emmens M, et al. **Biochem J** 157(2):317–23, 1 Aug 76

The amino acid sequence of dromedary pancreatic ribonuclease. Welling GW, et al. **Biochem J** 147(3):505–11, Jun 75

Assignment of the imidazole ring nitrogen protons of histidine 48 in the proton NMR spectrum of ribonuclease A in water solution. Patel DJ, et al. **Biochim Biophys Acta** 400(2):275–82, 19 Aug 75

Detection and estimation of very low ribonuclease activities in biological fluids. Egly JM, et al. **FEBS Lett** 63(2):250–4, 1 Apr 76

Levels of some nucleic acid hydrolases during growth inhibition and subsequent regression of mouse fibrosarcoma by treatment with rotenone. Sinha SN, et al. **Indian J Med Res** 63(12):1737–46, Dec 75

Studies on the primary structure of bison pancreatic ribonuclease. Muskiet FA, et al. **Int J Pept Protein Res** 8(4):345–8, 1976

The primary structure of muskrat pancreatic ribonuclease. van Duk H, et al. **Int J Pept Protein Res** 8(3):305–16, 1976

Flash photolysis of enzymes. Grossweiner LI, et al. **Int J Radiat Biol** 29(1):1–16, Jan 76

Regulatory factors produced by lymphocytes. I. The occurrence of multiple alpha-lymphotoxins associated with ribonuclease activity. Lee SC, et al. **J Immunol** 117(1):283–91, Jul 76

A T1 ribonuclease fragment present in 18 S ribosomal RNA of Novikoff rat ascites hepatoma cells and absent from 18 S ribosomal RNA of HeLa cells. Fuke M, et al. **J Mol Biol** 99(2):277–81, 5 Dec 75

[Proceedings: Catalytic titration in solution of ribonuclease and oxidized ribonuclease. Distribution of radioactivity among the amino acids] Noyer M, et al. **Arch Int Physiol Biochim** 83(2):391–3, May 75 **(Fre)**

[Ribonuclease activity in preparations of human leukocyte interferon] Khesin IaE, et al. **Biull Eksp Biol Med** 82(7):805–7, Jul 76 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Elimination of residual RNase activity from purified preparations of RNA-directed DNA polymerase. Collett MS, et al. **Biochem Biophys Res Commun** 67(3):946–55, 1 Dec 75

On the efficacy of commonly used ribonuclease inhibitors. Jones GH. **Biochem Biophys Res Commun** 69(2):469–74, 22 Mar 76

The neutral ribonuclease II-inhibitor system in human muscular dystrophies. pp. 277–81. Kakulas BA, et al. **In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.**

Studies on the physiological perturbation of the neutral ribonuclease II-inhibitor system. pp. 283–8. Meyer DH, et al. **In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.**

[Inhibition of Aspergillus clavatus intracellular RNA-ase by nucleotides and the components comprising them] Krupianko VI, et al. **Mol Biol (Mosk)** 10(1):84–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Inhibitor participation in the regulation of serum RNAse activity in the formation of immunity against influenza] Parfenova MS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):37–41, Jun 76 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Control of the formation of extracellular ribonuclease in Neurospora crassa. Hasunuma K, et al. **Biochim Biophys Acta** 432(2):223–36, 3 May 76

Mapping and characterization of a mutation in Escherichia coli that reduces the level of ribonuclease III specific for double-stranded ribonucleic acid. Apirion D, et al. **J Bacteriol** 124(1):317–24, Oct 75

Production of extracellular ribonuclease by yeasts and yeastlike fungi, and its repression by orthophosphate in species of Cryptococcus and Tremella. Burt WR, et al. **J Bacteriol** 125(3):955–60, Mar 76

Genetic mapping of a mutation that causes ribonucleases III deficiency in Escherichia coli. Studier FW. **J Bacteriol** 124(1):307–16, Oct 75

Interferon action may not be effected by induction of a cellular ribonuclease. Maenner H, et al. **Nature** 260(5552):637–8, 15Apr 76

[Isolation, purification and several properties of the extracellular RNA-ase of Bacillus amylozyma] Agliullina DG, et al. **Mikrobiologiia** 45(2):247–52, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The effect of orthophosphate on extracellular phosphorylase biosynthesis by Penicillium brevi-compactum] Ezhov VA, et al. **Mikrobiologiia** 45(2):253–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The nucleases of oxytetracycline producing actinomycetes] Penzikova GA, et al. **Mikrobiologiia** 45(2):241–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[RNAase activity in pig embryo kidney culture during interferon formation] Tiurina GP. **Vopr Virusol** (2):216–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Extracellular nucleases of phytopathogenic bacteria] Preobrazhens'ka NIu, et al. **Mikrobiol Zh** 37(1):15–9, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

BLOOD

The absence in human serum of a ribonuclease that hydrolyses double stranded RNA. Körner AM. **Biochem Biophys Res Commun** 68(3):699–703, 9 Feb 76

Nature and possible origin of human serum ribonuclease. Reddi KK. **Biochem Biophys Res Commun** 67(1):110–8, 3 Nov 75

Human granulocyte ribonuclease. Reddi KK. **Biochem Biophys Res Commun** 68(4):1119–25, 23 Feb 76

Isolation and characterization of two alkaline ribonucleases from calf serum. Von Tigerstrom RG, et al. **Biochim Biophys Acta** 418(2):184–94, 19 Jan 76

Antibodies ot double-stranded RNA: specificity and serum nucleases. Payne CC, et al. **J Immunol Methods** 9(2):147–56, Dec 75

Abnormal profile of human nucleolytic activity as a test for cancer. Drake WP, et al. **J Natl Cancer Inst** 55(5):1055–9, Nov 75

[Abnormality of serum enzyme in PCB poisoning patients with special reference to ribonuclease (author's transl)] Yamanaka M, et al. **Fukuoka Acta Med** 66(10):617–9, Oct 75 (Eng. Abstr.) **(Jpn)**

[Alkaline ribonuclease activity in the serum of patients with viral hepatitis] Modrzewska R. **Pol Tyg Lek** 31(17):695–7, 26 May 76 (Eng. Abstr.) **(Pol)**

[Serum alkaline ribonuclease activity in patients with liver cirrhosis and metastatic liver neoplasms] Modrzewska R. **Pol Tyg Lek** 31(18):745–7, 3 May 76 (Eng. Abstr.) **(Pol)**

[Significance of growth hormone for the regulation of ribonuclease activity in rat plasma (author's transl)] Bożkowa K, et al. **Probl Med Wieku Rozwoj** 5:23–7, 1975 (Eng. Abstr.) **(Pol)**

[Ribonuclease activity in the serum of children of various ages (author's transl)] Bożkowa K, et al. **Probl Med Wieku Rozwoj** 5:7–13, 1975 (Eng. Abstr.) **(Pol)**

CHEMICAL SYNTHESIS

Crystalline semisynthetic ribonuclease-S'. Pandin M, et al. **Proc Natl Acad Sci USA** 73(6):1844–7, Jun 76

DEFICIENCY

Escherichia coli mutants deficient in exoribonucleases. Nikolaev N, et al. **Biochem Biophys Res Commun** 70(3):920–4, 7 Jun 76

IMMUNOLOGY

Multiple antigenic sites on an eicosapeptide. I. Precipitin studies in the goat. Lieu T, et al. **Immunology** 29(6):1133–43, Dec 75

The effect of ultrasonic cavitation on protein antigenicity. Edwards JH, et al. **J Acoust Soc Am** 59(6):1513–4, Jun 76

[Isolation by affinity chromatography of direct antibodies against the common and specific antigenic determinants of RNase BS-1 and RNase A] Cantarella M, et al. **Boll Soc Ital Biol Sper** 52(4):204–10, 28 Feb 76 **(Ita)**

[Studies of the antigenic determinants of ribonuclease BS-1] Lamberti C, et al. **Boll Soc Ital Biol Sper** 52(4):211–7, 28 Feb 76 **(Ita)**

[Study of the immunological properties of Actinomyces rimosus ribonuclease] Penzikova GA, et al. **Antibiotiki** 21(2):162–6, Feb 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

NADP-Agarose: an affinity adsorbent for tobacco extracellular nuclease and other nucleases. Janski AM, et al. **Anal Biochem** 71(2):471–80, Apr 76

Application of general ligand affinity chromatography for the mutual separation of deoxyribonclease and ribonuclease free of protease contamination. Lzarus LH, et al. **Anal Biochem** 74(1):138–44, Jul 76

Reverse transcriptase and RNase H: present in a murine virus and in both subunits of an avian virus. Moelling K. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:969–73, 1975

A novel adenosine triphosphatase isolated from RNA polymerase preparations of Escherichia coli. II. Enzymatic properties and molecular structure. Ishihama A, et al. **J Biochem (Tokyo)** 79(5):927–37, May 76

Pine seed ribonucleases. I. Preparation and properties. Martínez-Honduvilla MJ, et al. **Rev Esp Fisiol** 31(4):283–8, Dec 75

[Partial purification of an endodeoxyribonuclease from non-fertilized ova of Asterias forbesii] Gauthier S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2028–30, 30 Dec 74 **(Ita)**

[Isolation of highly purified ribonuclease from cobra (Naja oxiana) venom] Vasilenko SK, et al. **Biokhimiia** 40(3):578–83, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Isolation and purification of 5'-endoribonuclease from the hepatic nuclei of rats] Skridonenko AD, et al. **Izv Akad Nauk SSSR [Biol]** (6):936–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Isolation and some properties of a nonspecific extracellular ribonuclease of Aspergillus clavatus] Ivanova GS, et al. **Prikl Biokhim Mikrobiol** 11(5):746–51, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Activity of alkaline RNase in placentas of malnourished women. Velasco EG, et al. **Am J Obstet Gynecol** 123(6):637–9, 15 Nov 75

Subcellular distribution of phosphatases, proteinases, and ribonucleases in normal human stratum corneum and psoriatic scales. Förster FJ, et al. **Arch Dermatol Res** 254(1):23–8, 14 Nov 75

Promotion of sporulation by caffeine pretreatment in Saccharomyces cerevisiae. II. Changes in ribonuclease activity during sporulation. Tsuboi M, et al. **Arch Microbiol** 108(2):149–52, Jun 76

Comparison between an avian and a murine viral reverse transcriptase-RNase H complex. Moelling K. **Bibl Haematol** (43):121–4, Oct 75

Change of substrate specificity by polyamines of ribonucleases which hydrolyze ribonucleic acid at linkages attached to pyrimidine nucleotides. Igarashi K, et al. **Biochem Biophys Res Commun** 67(3):1070–7, 1 Dec 75

A specific effect of glucocorticoids in decreasing neutral ribonuclease II in skeletal muscle. Kershner RM, et al. **Biochem Biophys Res Commun** 70(2):513–8, 17 May 76

Ricin does not act as an endonuclease on L cell polysomar RNA. Mitchell SJ, et al. **Biochem Biophys Res Commun** 68(3):763–9, 9 Feb 76

Endonucleolytic cleavage of murine leukemia virus 35S RNA by microsome-associated nuclease. Shanmugam G. **Biochem Biophys Res Commun** 70(3):818–23, 7 Jun 76

Investigation of ribonuclease-catalysed kinetics by a micro-calorimetric method. Tribout M, et al. **Biochem J** 153(1):89–91, 1 Jan 76

Further evidence for an allosteric model for ribonuclease. Walker EJ, et al. **Biochem J** 153(2):329–37, 1 Feb 76

Effect of lipopolysaccharide and polyriboinosinic acid: polyribocytidylic acid on the air oxidation of reduced ribonuclease. Rafter GW, et al. **Biochem Med** 13(1):78–82, May 75

Effects of membrane ribonuclease and 3'-nucleotidase on the digestion of polyuridylic acid by rat liver plasma membrane. Aronson NN Jr, et al. **Biochim Biophys Acta** 413(1):135–42, 17 Nov 75

Human pancreatic-type ribonucleases with activity against double-stranded ribonucleic acids. Bardoń A, et al. **Biochim Biophys Acta** 438(2):461–73, 8 Jul 76

Peptides isolated from Enterobacter nuclease as potential polyamine binding sites. Frank JJ, et al. **Biochim Biophys Acta** 432(3):369–80, 19 May 76

Preparation and characterisation of ribonuclease from human hypertrophic prostate gland (RNAase P2). Kuciel R, et al. **Biochim Biophys Acta** 402(2):253–60, 21 Aug 75

Degradation of double-stranded RNA by a monomeric derivative of ribonuclease BS-1. Libonati M, et al. **Biochim Biophys Acta** 402(1):83–7, 6 Aug 75

Polyribosome profiles and ribonuclease activity in spleens of normal and anaemic mice. Poels LG. **Biochim Biophys Acta** 432(2):245–53, 3 May 76

Steady-state enzyme kinetics of the pancreatic ribonucleases from five mammalian species. Ronda GJ, et al. **Biochim Biophys Acta** 429(3):853–9, 13 May 76

Substrate specificity of Salmonella typhimurium RNAase III and the nature of products formed. Suryanarayana T, et al. **Biochim Biophys Acta** 407(4):459–68, 4 Nov 75

Isolation and properties of a cyclic guanosine-monophosphate sensitive intracellular ribonuclease from Bacillus subtilis. Kerjan P, et al. **Biochimie** 58(5):533–41, 1976

The specificity of RNase III cleavage of bacteriophage T7 early messenger RNAs. Rosenberg M, et al. **Brookhaven Symp Biol** (26):277–85, Jul 75

Association of a ribonuclease with the purified influenza virus. Arora DJ, et al. **Can J Microbiol** 22(1):57–63, Jan 76

Some properties of ribonucleases from Aspergillus saitoi and seminal vesicles immobilized on sepharose 4B activated by cyanogen bromide. Ogi K, et al. **Chem Pharm Bull (Tokyo)** 22(11):2739–43, Nov 74

Purification and properties of human acid–thermostable ribonucleases, and diagnosis of childhood pancreatic fibrosis. Bardoń A, et al. **Clin Chim Acta** 67(3):231–43, 15 Mar 76

A comparative study of the digestive enzymes in the hepatopancreas of Jonah crab (Cancer borealis) and Rock crab (Cancer irroratus). Brun GL, et al. **Comp Biochem Physiol [B]** 53(3):387–91, 1976

Separation, properties, localization and nycthemeral variations of a DNAse, a phosphodiesterase, a RNAse and an alkaline phosphase from the hepatopancreas of Palaemon serratus (Crustacea natantia). Rodriguez D, et al. **Comp Biochem Physiol [B]** 54(1):181–91, 1976

Hepatic nucleases. 1. Methods for the specific determination and characterization in rat liver. Bartholeyns J, et al. **Eur J Biochem** 57(1):205–11, 1 Sep 75

Hepatic nucleases. Extrahepatic origin and association of neutral liver ribonuclease with lysosomes. Bartholeyns J, et al. **Eur J Biochem** 60(2):385–93, 15 Dec 75

Hepatic nuclease. 2. Association of polyadenylase, alkaline ribonuclease and deoxyribonuclease with rat–liver mitochondria. Baudhuin P, et al. **Eur J Biochem** 57(1):213–20, 1 Sep 75

Distinct ribonuclease H activities in calf thymus. Büsen W, et al. **Eur J Biochem** 52(1):179–90, 3 Mar 75

Action of nucleases on double–stranded RNA. Edy VG, et al. **Eur J Biochem** 61(2):563–72, 15 Jan 76

Processing of the 17–S Escherichia coli precursor RNA in the 27–S pre–ribosomal particle. Hayes F, et al. **Eur J Biochem** 61(2):433–42, 15 Jan 76

Effect of nucleic–acid–binding compounds on the hydrolytic activity of various ribonucleases. Holbrook DJ Jr, et al. **Eur J Biochem** 60(2):317–24, 15 Dec 75

Multiple forms of nuclear ribonuclease H from Tetrahymena pyriformis. Tashiro F, et al. **Eur J Biochem** 65(1):123–30, 17 May 76

Stimulation of ribonuclease activity and its isoenzymes in germinating seeds of cowpea (Vigna sinensis) by gibberellic acid and adenosine–3',5–cyclic monophosphate. Kapoor HC, et al. **Experientia** 32(5):558–60, 15 May 76

Double stranded ribonuclease activity in human lymphocyte nuclei. Torelli U, et al. **Experientia** 32(3):285–7, 15 Mar 76

The modification of tyrosyl residues in L–asparaginases and ribonuclease a with Fremy's salt. Implication of tyrosyl residues in the activity of L–asparaginases from E. coli B and Erwinia carotovora. Homer RB, et al. **FEBS Lett** 59(2):173–6, 15 Nov 75

The degradation of rRNA in ribosomes by ribonucleases present in rat liver sub–cellular fractions. McIntosh PR, et al. **FEBS Lett** 60(2):349–53, 15 Dec 75

Ribopolynucleotides modified at pyrimidine residues are cleaved selectively by T2 ribonuclease at purine residues. Mazo AM, et al. **FEBS Lett** 59(2):177–9, 15 Nov 75

Enzyme cleaving the 5'–terminal methylated blocked structure of messenger RNA. Shinshi H, et al. **FEBS Lett** 65(2):254–7, 1 Jun 76

The difference in absorption of bull seminal ribonuclease by organ tissues of juvenile and adult mice. Matoušek J. **Folia Biol (Praha)** 21(4):263–9, 1975

Synthetic approaches to the study of proteins. pp. 417–31. Merrifield RB, et al. **In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974.**

A ribonuclease I deficient mutant (MB24) of Salmonella typhimurium. Chakravorty M, et al. **Indian J Biochem Biophys** 12(2):153–7, Jun 75

The effects from combining urea and an alcohol on the heat–induced reversible denaturation of ribonuclease. Gerlsma SY, et al. **Int J Pept Protein Res** 8(1):3–12, 1976

The effect of radiation on processing of nuclear RNA and chromatin ribonuclease activity in rat liver and thymus. Tokarskaya VI, et al. **Int J Radiat Biol** 27(6):533–42, Jun 75

Purification and properties of two ribonucleases in different intracellular compartments in pea root tissue. Hirai M, et al. **J Biochem (Tokyo)** 78(3):485–92, Sep 75

Studies on the state of tyrosyl residues in a ribonuclease from seminal vesicles. Irie M, et al. **J Biochem (Tokyo)** 77(5):1075–84, May 75

Purification and properties of a new ribonuclease from Aspergillus saitoi. Ogi K, et al. **J Biochem (Tokyo)** 77(5):1085–94, May 75

Preparation and properties of trypsin–digested ribonuclease T1 split at the single arginyl peptide bond. Tamaoki H, et al. **J Biochem (Tokyo)** 79(3):579–89, Mar 76

Nonenzymic reactivation of reduced bovine pancreatic ribonuclease by air oxidation and by glutathione oxidoreduction buffers. Ahmed AK, et al. **J Biol Chem** 250(21):8477–82, 10 Nov 75

In vitro synthesis of transfer RNA. II. Identification of required enzymatic activities. Bikoff EK, et al. **J Biol Chem** 250(16):6248–55, 25 Aug 75

Analysis of ribonuclease–nucleotide interactions by quantitative affinity chromatography. Chaiken IM, et al. **J Biol Chem** 241(7):2044–8, 10 Apr 76

A novel oligoribonuclease of Escherichia coli. II. Mechanism of action. Datta AK, et al. **J Biol Chem** 250(18):7313–9, 25 Sep 75

RNase III cleavage of single–stranded RNA. Effect of ionic strength on the fideltiy of cleavage. Dunn JJ. **J Biol Chem** 251(12):3807–14, 25 Jun 76

Stabilization of an RNA molecule by 3'–terminal poly (A)–induced inhibition of RNase activity. Hieter PA, et al. **J Biol Chem** 251(11):3287–93, 10 Jun 76

A novel oligoribonuclease of Escherichia coli. I. Isolation and properties. Niyogi SK, et al. **J Biol Chem** 250(18):7307–12, 25 Sep 75

Salt effects in the glutathione–facilitated reactivation of reduced bovine pancreatic ribonuclease. Schaffer SW, et al. **J Biol Chem** 250(21):8483–6, 10 Nov 75

Transfer ribonucleic acid biosynthesis. Substrate specificity of ribonuclease P. Schmidt FJ, et al. **J Biol Chem** 251(8):2440–5, 25 Apr 76

Effect of RNAase III, cleavage on translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **J Mol Biol** 99(3):487–99, 15 Dec 75

Effects of early undernutrition and subsequent refeeding on alkaline ribonuclease activity of rat cerebrum and liver. Rosso P, et al. **J Nutr** 105(9):1104–10, Sep 75

In vitro transcription of 70S RNA by the RNA–directed DNA polymerase of Rouse sarcoma virus: lack of influence of RNase H. Collett MS, et al. **J Virol** 17(1):291–5, Jan 75

Translation of T7 RNA in vitro without cleavage by RNase III. Yamada Y, et al. **J Virol** 18(3):1155–9, Jun 76

Roles of RNases in cellular regulatory mechanisms. Levy CC. **Life Sci** 17(3):311–6, 1 Aug 75 (59 ref.)

Changes in ribonuclease with age in the fungus Rhizoctonia solani. Gottlieb D, et al. **Mech Ageing Dev** 5(1):25–32, Jan–Feb 76

A directed alteration of ribonuclease specificity. Hydrolysis of polyribonucleotides containing modified cytosine bases. Mazo AM, et al. **Mol Biol Rep** 2(3):233–9, Oct 75

The kinetics of pancreatic ribonuclease reaction with alkaline and acidic forms of poly A. Iqbal ZM. **Mol Cell Biochem** 9(1):17–20, 31 Oct 75

Consequences of losing ribonuclease III on the Escherichia coli cell. Apirion D, et al. **Mol Gen Genet** 144(2):185–90, 22 Mar 76

Polynucleotide phosphorylase can participate in decay of mRNA in Escherichia coli in the absence of ribonuclease II. Kinscherf TG, et al. **Mol Gen Genet** 139(4):357–62, 8 Sep 75

Subsites and catalytic mechanism of ribonuclease T: kinetic studies using GpC and GpU as substrates. Zabinski M, et al. **Nahrung** 20(1):558–64, 1976

Human milk samples from different ethnic groups contain RNase that inhibits, and plasma membrane that stimulates, reverse transcription. Das MR, et al. **Nature** 262(5571):802–5, 26 Aug 76

Association of RNase H activity with yeast RNA polymerase A. Huet J, et al. **Nature** 261(5559):431–3, 3 Jun 76

Differential expression of RNAse activities in the life cycle of Physarum polycephalum. Brand G, et al. **Naturwissenschaften** 62(11):535–6, Nov 75

3–Ribosyl–6–methyluracil as a phosphate acceptor in the synthesis of the internucleotide bond catalyzed by pancreatic ribonuclease. Kavunenko AP, et al. **Nucleic Acids Res** 3(4):1073–9, Apr 76

Cleavage of T4 species I ribonucleic acid by Escherichia coli ribonuclease III. Paddock GV, et al. **Nucleic Acids Res** 3(5):1351–71, May 76

Purification and properties of a light–inducible nuclease from Euglena gracilis. Small GD, et al. **Nucleic Acids Res** 3(5):1277–93, May 76

Effect of stagnant hypoxia on acid ribonuclease activity in the rat prosencephalon during ontogenesis. Stípek S, et al. **Physiol Bohemoslov** 25(1):31–6, 1976

Differential activity staining: its use in characterization of guanylyl–specific ribonuclease in the genus Ustilago. Blank A, et al. **Proc Natl Acad Sci USA** 72(12):4914–7, Dec 75

Ribonuclease P substrate specificity: cleavage of a bacteriophage phi80–induced RNA. Bothwell AL, et al. **Proc Natl Acad Sci USA** 73(6):1912–6, Jun 76

Elevated serum ribonuclease in patients with pancreatic cancer. Reddi KK, et al. **Proc Natl Acad Sci USA** 73(7):2308–10, Jul 76

Sequential processing of precursor tRNA molecules in Escherichia coli. Sakano H, et al. **Proc Natl Acad Sci USA** 72(9):3369–73, Sep 75

An assay of ribonuclease H, endoribonucleases, and phosphatases. Starvianopoulos JG, et al. **Proc Natl Acad Sci USA** 73(5):1556–8, May 76

Ribonuclease H of calf thymus: substrate specificity, activation, inhibition. Stavrianopoulos JG, et al. **Proc Natl Acad Sci USA** 73(4):1087–91, Apr 76

Cleavage of adenovirus messenger RNA and of 28S and 18S ribosomal RNA by RNase III. Westphal H, et al. **Proc Natl Acad Sci USA** 72(8):3077–81, Aug 75

Biochemistry and physiology of bacterial ribonucleases. Datta AK, et al. **Prog Nucleic Acid Res Mol Biol** 17:271–308, 1976 (307 ref.)

The action of estrogens (Premarin) on the activity of alkaline and acid DNase and RNase in the rat liver parenchyma. Taper HS, et al. **Rev Can Biol** 32(2):97–106, Jun 73

Ribonucleases and neoplasia. Daoust R, et al. **Subcell Biochem** 4(3):185–211, Sep 75

[Proceedings: Bovine thyroid ribonuclease (type IV)] Boddin M, et al. **Arch Int Physiol Biochim** 84(1):140–2, Feb 76 **(Dut)**

[Application of microcalorimetry to enzyme kinetic studies] Tribout M, et al. **Arch Int Physiol Biochim** 83(5):1003–4, Dec 75 **(Fre)**

[Mechanism of action of glutaraldehyde] pp. 275–82. Monsan P, et al. **In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North–Holland, 1976. QU 135 I5893a 1975.** (Eng. Abstr.) **(Fre)**

[Studies on the reaction mechanism of a ribonuclease II from Aspergillus oryzae (author's transl)] Kaiser PM, et al. **Hoppe Seylers Z Physiol Chem** 356(2):143–55, Feb 75 (Eng. Abstr.) **(Ger)**

[Identification of the products of reaction of endoribonuclease from non–fertilized ova of Asterias forbesii] Gauthier S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2033–5, 30 Dec 74 **(Ita)**

[Specificity of extracellular alkaline RNAase from Penicillium chrysogenum 152A] Bezborodova SI, et al. **Biokhimiia** 40(3):592–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of temperature and concentrations of initial components on synthesis of internucleotide bond catalyzed by pancreatic ribonuclease] Kavunenko AP, et al. **Biokhimiia** 40(4):755–61, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Modification of pancreatic ribonuclease activity in complexes with polyanions] Ponomareva RB, et al. **Biokhimiia** 40(3):468–75, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Ribonucleases of rat liver nuclear membranes] Skridonenko AD. **Biokhimiia** 40(2):384–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Properties of alkaline ribonuclease from Penicillium chrysogenum 152A] Markelova NIu, et al. **Biol Nauki** (5):86–91, 1975 **(Rus)**

[Comparative characteristics of ribonuclease isolated from the lliver and pancreas of burned and intact rats] Borisova TA, et al. **Biull Eksp Biol Med** 81(3):305–7, Mar 76 (Eng. Abstr.) **(Rus)**

[The influence of the composition of the culture medium on the isoenzyme spectrum of Penicillium claviforme ribonucleases] Ivanova GS, et al. **Mikrobiologiia** 45(1):79–84, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[The effect of synthetic derivatives of testosterone on the activity of acid proteinases, DNA–ase and RNA–ase in the liver and serum of female rats] Kisliakova ND, et al. **Probl Endokrinol (Mosk)** 21(5):76–81, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Permeability of blood capillaries and activity of lysosomal enzymes in acute pneumonia] Kravchenko LF, et al. **Ter Arkh** 47(8):110–3, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the content of ribosomal RNA and the activity of ribosomal RNAase in the brain under natural physiological conditions] Khachatryan GS, et al. **Vopr Med Khim** 21(3):264–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Adrenal hormones and the activity of nucleic acid depolymerase of the cardiac and skeletal muscles] Khmel'ko AG. **Vrach Delo** (10):108–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Nucleolytic enzymes in cellular particles in the guinea pig brain (author's transl)] Pechán I. **Bratisl Lek Listy** 65(1):33–9, Jan 76 (Eng. Abstr.) **(Slo)**

[Influence of the adrenal glands on nucleic acid depolymerase activity in different regions of the rabbit brain] Khmel'ko AH. **Fiziol Zh** 20(3):358–63, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[DNases and RNases of Misgurnus fossilis ovocytes] Kusen' SJ, et al. **Ukr Biokhim Zh** 47(6):719–23, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Polysome ribonucleases of leukemic cells] Shliakhovenko VO, et al. **Ukr Biokhim Zh** 47(3):327–31, May–Jun 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

The effect of ribonuclease on the penetration of R17 phage A–protein and RNA. Wong K, et al. **Can J Microbiol** 22(6):826–31, Jun 76

The effect of conformational changes in brome mosaic virus upon its sensitivity to trypsin, chymotrypsin and ribonuclease. Pfeiffer P, et al. **FEBS Lett** 56(1):144–8, 1 Aug 75

Antispermatogenic effect of bull semen ribonuclease (RNase BS–1). pp. 301–6. Leone E, et al. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Effects of nuclease and protease digestion on the ultrastructure of Paramecium basal bodies. Dippell RV. **J Cell Biol** 69(3):622–37, Jun 76

Inhibition of tumor cell proliferation by dimerized ribonuclease. Bartholeyns J, et al. **Proc Natl Acad Sci USA** 73(2):573–6, Feb 76

Use of inactivating agents to detect and partially characterize very early events in the infection of cowpea leaf epidermal cells by peanut stunt virus. Mink GI. **Virology** 72(2):291–8, 15 Jul 76

[Structure–dependent differential susceptibility of poly(A) to pancreatic ribonuclease and to ribonuclease BS–1] Palmieri M, et al. **Boll Soc Ital Biol Sper** 52(1–2):80–4, 30 Jan 76 **(Ita)**

[Endonucleolytic mechanism of degradation of double–helix

RNA by ribonuclease BS-1 and by ribonuclease A aggregates] Palmieri M, et al. **Boll Soc Ital Biol Sper** 52(1-2):74-9, 30 Jan 76 **(Ita)**

[Specific resistance and electrophoretic mobility of regenerating liver cells. Effect of ribonuclease and neuraminidase] Slivinskil GG, et al. **Biofizika** 21(1):101-6, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Nucleases. Their biological role] Tatarskaia RI. **Mol Biol (Mosk)** 10(2):235-59, Mar-Apr 76 (226 ref.) (Eng. Abstr.)

[The protective role of nucleases] Khursin MIu. **Fiziol Zh** 21(4):500-4, Jul-Sep 75 (48 ref.) (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

Cross-sections for the inactivation of ribonuclease by slow heavy ions. Watt DE, et al. **Phys Med Biol** 20(6):926-43, Nov 75

Letter: Gamma-radiolysis of ribonuclease in association with DNA. Lynn KR. **Radiat Res** 66(3):644-8, Jun 76

[Action of Co60 gamma radiation on the nucleic acid concentration and ribonuclease activity in the splenic tissues of inbred and hybrid mice] Shereshevskaia TsM, et al. **Tsitol Genet** 9(5):404-7, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Ribonuclease treatment of tick-borne encephalitis. Glukhov BN, et al. **Arch Neurol** 33(9):598-603, Sep 76

[Proceedings: Cytostatic properties of pancreatic ribonuclease A dimer] Bartholeyns J, et al. **Arch Int Physiol Biochim** 84(1):139-40, Feb 76 **(Fre)**

[Enzymes of nuclease and proteolytic action in the overall therapy of cancer of the upper respiratory tracts] Opanashchenko GA, et al. **Zh Ushn Nos Gorl Bolezn** (5):56-62, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

URINE

The isolation, purification, and properties of a ribonuclease from normal human urine. Rabin EZ, et al. **Biochem Med** 14(1):1-11, Sep 75

RIBONUCLEIC ACID see **RNA**

RIBONUCLEOPROTEINS see under **NUCLEOPROTEINS**

RIBONUCLEOSIDE DIPHOSPHATE REDUCTASE see under **RIBONUCLEOTIDE REDUCTASES**

RIBONUCLEOSIDE TRIPHOSPHATE REDUCTASE see under **RIBONUCLEOTIDE REDUCTASES**

RIBONUCLEOSIDES

A new reagent for preparing radioactively labeled nucleoside derivatives. Johnson MW, et al. **Anal Biochem** 70(1):45-53, Jan 76

The determination of anomeric configuration of D-ribofuranosyl nucleosides by PMR spectroscopy. Imbach JL. **Ann NY Acad Sci** 255(751106-751230-2):177-84, 8 Aug 75

Structure of wye (Yt base) and wyosine (Yt) from Torulopsis utilis phenylalanine transfer ribonucleic acid. Kasai H, et al. **Biochemistry** 15(4):898-904, 24 Feb 76

13C magnetic resonance investigation of mercury (II) binding to nucleosides and thiolated nucleosides in dimethyl sulfoxide. Jennette KW, et al. **Biochim Biophys Acta** 402(3):403-12, 1 Sep 75

Reactions between nucleosides and platinum dimethylsulfoxide complexes. Kong PC, et al. **Bioinorg Chem** 6(1):83-9, 1976

Carbon-13 magnetic resonance spectra of nucleosides and their Pd(II) complexes. Nelson DJ, et al. **Bioinorg Chem** 5(4):353-8, 1976

Conformational barriers in nucleoside analogs: the crystal structure of 3-deazaadenosine. Singh P, et al. **J Am Chem Soc** 98(3):825-30, 4 Feb 76

Separation of the methylated nucleoside consituents of ribonucleic acid by two-dimensional thin-layer chromatography. Munns TW, et al. **J Chromatogr** 111(2):403-8, 3 Sep 75

A study on the reactions of tubercidin triphosphate with myosin and actomyosin. Borger JP, et al. **J Mechanochem Cell Motil** 3(2):103-10, 1975

Accessible and inaccessible bases in yeast phenylalanine transfer RNA as studied by chemical modification. Rhodes D. **J Mol Biol** 94(3):449-60, 25 May 75

Effect of ribothymidine in specific eukaryotic tRNAs on their efficiency in in vitro protein synthesis. Marcu KB, et al. **Nature** 261(5556):159-62, 13 May 76

Fluorescent 2'(3')-O-aminoacylnucleosides-acceptor substrates for ribosomal peptidyltransferase+. Chládek S, et al. **Nucleic Acids Res** 3(5):1215-24, May 76

Singlet energy transfer between aromatic amino acids and nucleic acid bases. Theoretical calculations. Montenay-Garestier T. **Photochem Photobiol** 22(1-2):3-6, Jul-Aug 75

Comparative study by circular dichroism of the conformation of deazapurine nucleosides and that of [illegible] non purine nucleosides. Miles DW, et al. **Proc Natl Acad Sci USA** 73(7):2384-7, Jul 76

Regulation of human interferon production. I. Superinduction by 5, 6-dichloro-1-beta-D-ribofuranosylbenzimidazole. Sehgal PB, et al. **Virology** 70(2):532-41, Apr 76

Ribose conformations in the common purine(beta)ribosides, in some antibiotic nucleosides, and in some isopropylidene derivatives: a comparison. Westhof E, et al. **Z Naturforsch [C]** 30(2):131-40, Mar-Apr 75

ANALYSIS

An automated procedure for the analysis of methylated nucleosides in nuclear RNA and mRNA. Nazar RN, et al. **Anal Biochem** 74(2):615-9, Aug 76

Studies of odd bases in yeast mitochondrial tRNA: II. Characterization of rare nucleosides. Martin R, et al. **Biochem Biophys Res Commun** 70(3):997-1002, 7 Jun 76

Affect of spleen and snake venom phosphodiesterases on nucleotides containing nucleosides in the syn conformation. Ogilvie KK, et al. **Biochem Biophys Res Commun** 68(2):375-8, 26 Jan 76

Methylated nucleosides in polyadenylate-containing yeast messenger ribonucleic acid. De Kloet SR, et al. **Biochim Biophys Acta** 425(4):401-8, 2 Apr 76

CHEMICAL SYNTHESIS

Synthesis of thiolumazine nucleosides. pp. 784-93. Southon I, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Alkyl and acyl derivatives of tubercidin. Wiley PF, et al. **J Antibiot (Tokyo)** 29(7):720-7, Jul 76

Bicyclic nucleosides related to pyrimidine nucleosides. Part III. 3-(Beta-D-ribofuranosyl)isoguanine. Schmidt CL, et al. **J Chem Soc [Perkin I]** (13):1257-60, 1975

Synthesis and biological studies of 3-(beta-D-ribofuranosyl)-2,3,-dihydro-6H-1,3-oxazine-2, a new pyrimidine nucleoside analog related to uridine. Chwang TL, et al. **J Med Chem** 19(5):643-7, May 76

Synthesis of 1-(4-thio-beta-D-ribofuranosyl)-1,2,4-triazole-3-carboxa Pickering MV, et al. **J Med Chem** 19(6):841-2, Jun 76

Synthesis of tetrazole ribonucleosides and their evaluation as antiviral agents. Poonian MS, et al. **J Med Chem** 19(2):286-90, Feb 76

Nucleic acid related compounds. 17.3-Deazuridine. Stannous chloride catalysis of cis-diol vs. phenolic base methylation with diazomethane. Robins MJ, et al. **J Med Chem** 18(11):1070-4, Nov 75

A synthesis of the pyrazomycins. De Bernardo S, et al. **J Org Chem** 41(2):287-90, 23 Jan 76

Nucleosides. XCIV. Synthesis of some C nucleosides by 1,3-dipolar cycloadditions to 3-(ribofuranosyl) propiolates. De Las Heras FG, et al. **J Org Chem** 41(1):84-90, 9 Jan 76

Synthesis of V-triazolo(4,5-c)pyridine nucleosides and 4-(beta-D-ribofuranosyl)amino-1,2,3-thiadiazolo(5,4-b)py via a rearrangement. May JA Jr, et al. **J Org Chem** 41(8):1449-56, 16 Apr 76

Nucleotides. V. Syntheses of 2'-O-and 3'-O-(3-methyl-2-picolyl 1-oxide) ribonucleosides and diribonucleoside monophosphates by application of 3-methyl-2-picolyl 1-oxide protection. Mizuno Y, et al. **J Org Chem** 40(10):1385-90, 16 May 75

C-glycosyl nucleosides. VII. Synthesis of some 3-beta-D-ribofuranosyl-1,2,4-oxadiazoles and 3-beta-D-ribofuranosylpyrazoles. Repke DB, et al. **J Org Chem** 40(17):2481-7, 22 Aug 75

Bicyclic nucleosides related to pyrimidine nucleosides. IV. Synthesis of 4-and 6-ribofuranosylthiazolo(5,4-d)pyrimidines and 4-arabinofuranosylthiazolo(5,4-d)pyrimidines. Schmidt CL, et al. **J Org Chem** 40(17):2476-81, 22 Aug 75

[Nucleosides of 4-substituted imidazoles. Srivastava PC, et al. **J Org Chem** 40(20):2920-4, 3 Oct 75

Pyrimidine nucleoside analogues.X. 5-Substituted 1-(1,3-dihydroxypropyl-2) uracils. Hiller SA, et al. **Nucleic Acids Res** 3(3):721-7, Mar 76

ISOLATION & PURIFICATION

Separation of oligonucleotides, nucleotides, and nucleosides on columns of polystyrene anion-exchangers with solvent systems containing ethanol. Asteriadis GT, et al. **Anal Biochem** 70(1):64-74, Jan 76

Separation of bases, ribonucleosides and deoxyribonucleosides by anion-exclusion and partition chromatography on cation-exchange resin: application to the assay of ribonucleotide reductase, deaminase and nucleosidase. Pal BC, et al. **Anal Biochem** 67(2):625-33, Aug 75

Letter: The structure of Q nucleoside isolated from rabbit liver transfer ribonucleic acid. Kasai H, et al. **J Am Chem Soc** 98(16):5044-6, 4 Aug 76

An improved method for the separation and quantitation of the modified nucleosides of transfer RNA. Rogg H, et al. **Nucleic Acids Res** 3(1):285-95, Jan 76

METABOLISM

The mutagenicity of benzimidazole and benzimidazole derivatives. V. Gas chromatographic-mass spectrometric analysis of benzimidazole nucleoside in Escherichia coli ribonucleic acid. Seiler JP. **Anal Biochem** 75(1):45-52, Sep 76

Synthesis and biological activity of pyrazolo[3,4,-d]pyrimidine nucleosides and nucleotides related to tubercidin, toyocamycin, and sangivamycin. Hecht SM, et al. **Biochemistry** 15(5):1005-15, 9 Mar 76

Membrane-associated enzymes involved in nucleoside processing by plasma membrane vesicles isolated from L929 cells grown in defined medium. Li CC, et al. **J Biol Chem** 251(4):1181-7, 25 Feb 76

Transport mechanisms in isolated plasma membranes. Nucleoside processing by membrane vesicles from mouse fibroblast cells grown in defined medium. Li CC, et al. **J Biol Chem** 251(4):1175-80, 25 Feb 76

Uptake in vitro of nucleic acid precursors and nucleic acids by Zajdela ascitic hepatoma cells. Bhargava PM, et al. **J Membr Biol** 22(3-4):341-56, 24 Jul 75

Incorporation of 13C, 15N-labeled nucleosides and measurement of RNA synthesis and turnover in sea urchin embryos. Grainger RM, et al. **J Mol Biol** 104(3):589-601, 5 Jul 76

The role of thiol groups in nucleoside transport. Doskočil J. **Mol Cell Biochem** 10(3):137-43, 25 Feb 76

Nucleoside auxotrophy in Drosphila: an autosomal locus yielding mutants supplementable by purine and pyrimidine ribonucleosides. Naguib FN, et al. **Mol Gen Genet** 147(1):13-21, 10 Aug 76

PHARMACODYNAMICS

Inhibition of influenza RNA synthesis by virazole (ribavirin). Scholtissek C. **Arch Virol** 50(4):349-52, 1976

Tight-binding inhibitors-II. Non-steady state nature of inhibition of milk xanthine oxidase by allopurinol and alloxanthine and of human erythrocytic adenosine deaminase by coformycin. Cha S, et al. **Biochem Pharmacol** 24(23):2187-97, 1 Dec 75

Nucleoside-dependent protein kinase from Trypanosoma gambiense. Walter RD. **Biochim Biophys Acta** 429(1):137-46, 11 Mar 76

Inhibition of de novo pyrimidine nucleotide and DNA synthesis and growth of cultured Novikoff rat hepatoma cells and other cell lines by pyrazofurin (NSC 143095). Plagemann PG, et al. **Cancer Res** 36(10):3807-12, Oct 76

Inhibition of measles virus replication and enhancement of cellular DNA synthesis in vero cells by ribavirin, an antiviral and antineoplastic drug. Chill DW, et al. **Chin J Microbiol** 8(2):67-72, Jun 75

Potentiation of cytostatic effect of sulfur- or chlorine-containing purines and related ribonucleosides by amphotericin-B on cultured mouse leukemia cells. Kuwano M, et al. **Gann** 66(6):655-61, Dec 75

Processing of heterogeneous chromosomal RNA: studies with an initiation inhibitor. pp. 57-62. Egyházi E. **In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.**

Effect of bredinin and its aglycone on L5178Y cells. Sakaguchi K, et al. **J Antibiot (Tokyo)** 28(10):798-803, Oct 75

Effects of 1-beta-D-ribofuranosyl 1, 2, 4-triazole-3-carboxamide on influenza virus replication and polypeptide synthesis. Oxford JS. **J Antimicrob Chemother** 1(4 Suppl):71-6, Dec 75

Action of dichlorobenzimidazole riboside on RNA synthesis in L-929 and HeLa cells. Tamm I, et al. **J Cell Biol** 69(2):229-40, May 76

Inhibition of maturation of human precursor lymphocytes by coformycin, an inhibitor of the enzyme adenosine deaminase. Ballet JJ, et al. **J Exp Med** 143(5):1271-6, 1 May 76

Inhibition of the replication of influenza A and B viruses by a nucleoside analogue (ribavirin). Oxford JS. **J Gen Virol** 28(3):409-14, Sep 75

Initiation inhibition and reinitiation of the synthesis of heterogenous nuclear RNA in living cells. Egyhazi E. **Nature** 262(5566):319-21, 22 Jul 76

Human interferon production: superinduction by 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole. Sehgal PB, et al. **Science** 190(4211):282-4, 17 Oct 75

[Immunosuppressive effect of ethionine in rats. Resistance of this effect to methionine, tryptophan, ATP, adenosine and uridine] Aschkenasy A. **Ann Nutr Aliment** 29(2):137-50, 1975 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Treatment of schistosomiasis mansoni and japonica in baboons with tubercidin given by direct intravenous injection. Jaffe JJ, et al. **Am J Trop Med Hyg** 24(5):835-42, Sep 75

Islet cell carcinoma of the pancreas: effective therapy with 5-fluorouracil, streptozotocin, and tubercidin. Kraybill WG Jr, et al. **Am Surg** 42(7):467-70, Jul 76

Nucleoside analogs in the treatment of nonneoplastic diseases. Calabresi P, et al. **Ann NY Acad Sci** 255(751106-751230-2):190-201, 8 Aug 75

Efficacy of ribavirin against influenza virus in tissue culture and in mice. Durr FE, et al. **Ann NY Acad Sci** 255(751106-751230-2):366-71, 8 Aug 75

Biochemistry and biological effects of the pyrazofurins (pyrazomycins): initial clinical trial. Gutowski GE, et al. **Ann NY Acad Sci** 255(751106-751230-2):544-51, 8 Aug 75

The effects of nucleoside analogs on cutaneous neoplasms. Klein E, et al. **Ann NY Acad Sci** 255(751106-751230-2):216-24, 8 Aug 75

In vitro and in vivo effect of

1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide (ribavirin) on types 1 and 3 parainfulenza virus infections. Sidwell RW, et al. **Chemotherapy** 21(3-4):205-20, 1975

Antiviral activity of ribavirin on influenza infection in ferrets. Schofield KP, et al. **J Antimicrob Chemother** 1(4 Suppl):63-9, Dec 75

A comparison of test methods in influenza chemotherapy. Tisdale M, et al. **J Antimicrob Chemother** 1(4 Suppl):55-62, Dec 75

Comparative clinical and laboratory evaluation of the prophylactic capacity of ribavirin, amantadine hydrochloride, and placebo in induced human influenza type A. Cohen A, et al. **J Infect Dis** 133 Suppl:A114-120, Jun 76

Double-blind clinical assessment of ribavirin (virazole) in the prevention of induced infection with type B influenza virus. Togo Y, et al. **J Infect Dis** 133 Suppl:A109-13, Jun 76

Antiviral, immunosuppressive and antitumour effects of ribavirin. Potter CW, et al. **Nature** 259(5543):496-7, 12 Feb 76

Effect of cytosine, arabinoside, iododeoxyuridine, ethyldeoxyuridine, thiocyanatodeoxyuridine, and ribavirin on tail lesion formation in mice infected with vaccinia virus. De Clercq E, et al. **Proc Soc Exp Biol Med** 151(3):487-90, Mar 76

URINE

Modified nucleosides in urine: selective removal and analysis. Uziel M, et al. **Clin Chem** 22(9):1451-5, Sep 76

RIBONUCLEOTIDE REDUCTASES

A physical explanation of the EPR spectrum observed during catalysis by enzymes utilizing coenzyme B12. Schepler KL, et al. **Biochim Biophys Acta** 397(2):510-8, 26 Aug 75

Binding of substrates to Escherichia coli ribonucleotide reductase. von Döbeln U, et al. **J Biol Chem** 251(12):3616-22, 25 Jun 76

ANALYSIS

Separation of bases, ribonucleosides and deoxyribonucleosides by anion-exclusion and partition chromatography on cation-exchange resin: application to the assay of ribonucleotide reductase, deaminase and nucleosidase. Pal BC, et al. **Anal Biochem** 67(2):625-33, Aug 75

ANTAGONISTS & INHIBITORS

Active site of ribonucleoside diphosphate reductase from Escherichia coli. Inactivation of the enzyme by 2'-substituted ribonucleoside diphosphates. Thelander L, et al. **J Biol Chem** 251(5):1398-405, 10 Mar 76

BIOSYNTHESIS

Ribonucleoside diphosphate reductase induced by bacteriophage T4. III. Isolation and characterization of proteins B1 and B2. Berglund O. **J Biol Chem** 250(18):7450-5, 25 Sep 75

ISOLATION & PURIFICATION

An affinity adsorbent containing deoxyguanosine 5'-triphosphate linked to sepharose and its use for large scale preparation of ribonucleotide reductase of Lactobacillus leichmannii. Hoffmann PJ, et al. **Biochemistry** 14(22):4804-12, 4 Nov 75

METABOLISM

Novel mechanism of resistance to folate analogues: ribonucleoside diphosphate reductase deficiency in bacteriophage T4. Johnson JR, et al. **Antimicrob Agents Chemother** 9(2):292-300, Feb 76

Ribonucleotide reductase activity in green algae. Feller W, et al. **Biochem Biophys Res Commun** 70(3):752-8, 7 Jun 76

Regulation of fungal ribonucleotide reductase by unusual dinucleotides. Lewis WH, et al. **Biochem Biophys Res Commun** 71(1):128-35, 12 Jul 76

Analysis of the electron paramagnetic resonance spectrum of the cobalamin intermediate in ribonucleotide reduction. Coffman RE, et al. **Biochim Biophys Acta** 444(1):307-18, 24 Aug 76

Independent fluctuations of cytidine and adenosine diphosphate reductase activities in cultured Chinese hamster fibroblasts. Peterson DM, et al. **Biochim Biophys Acta** 432(1):80-91, 15 Apr 76

The interaction of adeninylalkylcobalamins with ribonucleotide reductase. Sando GN, et al. **Biochim Biophys Acta** 428(1):228-32, 25 Mar 76

Enzymes of DNA biosynthesis in developing sea urchins. Changes in ribonucleotide reductase, thymidine, and thymidylate kinase activities. de Petrocellis B, et al. **Dev Biol** 48(2):250-7, Feb 76

Ribonucleotide reductase from Escherichia coli: demonstration of a highly active form of the enzyme. Eriksson S. **Eur J Biochem** 56(1):289-94, 1 Aug 75

Studies on the mechanism of adenosylcobalamin-dependent ribonucleotide reduction by the use of analogs of the coenzyme. Sando GN, et al. **J Biol Chem** 250(22):8774-9, 25 Nov 75

Hydrogen donor system for Escherichia coli ribonucleoside-diphosphate reductase dependent upon glutathione. Holmgren A. **Proc Natl Acad Sci USA** 73(7):2275-9, Jul 76

Identification of NADPH-thioredoxin reductase system in Euglena gracillis. Munavalli S, et al. **Proc Natl Acad Sci USA** 72(11):4233-7, Nov 75

Ribonucleotide reductase in blue-green algae: dependence on adenosylcobalamin. Gleason FK, et al. **Science** 192(4246):1343-4, 25 Jun 76

[Various properties of ribonucleotide reductase from rat liver mitochondria] Silaeva SA, et al. **Biokhimiia** 40(4):711-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Ribonucleotide reductase in Propionibacterium shermani] Iordan EP, et al. **Mikrobiologiia** 44(4):609-14, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

RIBONUCLEOTIDES

RNA double helices generated from crystal structures of double helical dinucleoside phosphates. Rosenberg JM, et al. **Biochem Biophys Res Commun** 69(4):979-87, 19 Apr 76

Conformational energy calculations for dinucleotide molecules. A study of the component mononucleotide adenosine 3'-monophosphate. Thornton JM, et al. **Biochem J** 149(3):585-96, Sep 75

DNA polyintercalating drugs. Proton magnetic resonance studies of a new acridine dimer. Conformations and interactions with mono- and dinucleotides. Barbet J, et al. **Biochemistry** 15(12):2642-50, 15 Jun 76

The interaction of borate and sulfite with pyridine nucleotides. Johnson SL, et al. **Biochemistry** 15(3):553-9, 10 Feb 76

Platinum complexes of nucleotides. Kong PC, et al. **Bioinorg Chem** 5(1):51-8, 1975

Hydrolysis of nucleoside phosphates: IV. The metal ion-nucleic base interaction in the Cu2+-promoted dephosphorylation of the 5'-di- and 5'-triphosphates of cytidine, inosine and guanosine, and their protection toward hydrolysis by coordination to Cu(2,2'-bipyridyl)2+. Sigel H, et al. **Bioinorg Chem** 5(1):1-20, 1975

Modified 5'-nucleotides resistant to 5'-nucleotidase: isolation of 3-(3-amino-3-carboxypropyl) uridine 5'-phosphate and N2, N2-dimethylguanosine 5'-phosphate from snake venom hydrolysates of transfer RNA. Gray MW. **Can J Biochem** 54(5):413-22, May 76

Stabilization of promoter complexes with a single ribonucleoside triphosphate. Nüsslein C, et al. **Eur J Biochem** 56(2):563-9, 15 Aug 75

The binding of nucleotides to 3'-nucleotidase from wheat germ. Voltattorni CB, et al. **Ital J Biochem** 24(5):241-57, Sep-Oct 75

Conformational study of cyclic nucleotides. Lanthanide ion assisted analysis of the hydrogen-1 nuclear magnetic resonance spectra. Kainosho M, et al. **J Am Chem Soc** 97(23):6839-43, 12 Nov 75

Hydrogen exchange at the amide group of reduced pyridine nucleotides and the inhibition of that reaction by dehydrogenases. Cross DG, et al. **J Biol Chem** 251(6):1785-8, 25 Mar 76

Binding of substrates to Escherichia coli ribonucleotide reductase. von Döbeln U, et al. **J Biol Chem** 251(12):3616-22, 25 Jun 76

Evidence for sequence preferences in the intercalative binding of ethidium bromide to dinucleoside monophosphates. Krugh TR, et al. **J Mol Biol** 97(2):133-62, 15 Sep 75

Modification of end phosphate gruops in mono- and oligonucleotides. Shumyantzeva VV, et al. **Nucleic Acids Res** 3(4):903-16, Apr 76

[Calculations of conformation for mononucleotides and dinucleotides] Kister AE, et al. **Mol Biol (Mosk)** 9(3):443-51, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Calculations of conformation for mononucleotides and dinucleotides] Kister AE, et al. **Mol Biol (Mosk)** 9(3):443-51, May-Jun 75 (Eng. Abstr.) **(Rus)**

[The secondary structure of nucleotidyl-(5' bound to N)-amino acids containing different heterocyclic bases and amino acids] Tiaglov BV, et al. **Mol Biol (Mosk)** 9(5):652-66, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The secondary structure of nucleotidyl-(5' bound to N)-amino acids containing different heterocyclic bases and amino acids] Tiaglov BV, et al. **Mol Biol (Mosk)** 9(5):652-66, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Convenient method for preparation and purification of nicotinamide mononucleotide analogs. Hensel W, et al. **Anal Biochem** 68(1):128-37, Sep 75

ANALYSIS

A sensitive enzymatic determination of ribonucleoside triphosphates in cell extracts. Jamieson AT, et al. **Anal Biochem** 72:212-9, 7 May 76

Separation and quantitative determination of ribonucleoside and deoxyribonucleoside triphosphates in human malignant tumors. Kraml F, et al. **Anal Biochem** 71(2):500-6, Apr 76

Analysis of O2'-methylnucleoside 5'-phosphates in snake venom hydrolysates of RNA: identification of O2'-methyl-5-carboxymethyluridine as a constituent of yeast transfer RNA. Gray MW. **Can J Biochem** 53(7):735-46, Jul 75

A simple method for measuring specific radioactivities of ribonucleoside triphosphates using RNA polymerase. Maxson RE, et al. **Eur J Biochem** 62(3):551-4, 1 Mar 76

High performance liquid chromatography of nucleotides in biological fluids. pp. 109-17. Perrett D. **In: Dixon PF, et al., ed. High pressure liquid chromatography in clinical chemistry. London, Academic Press, 1976. QD 79.C454 H638 1975.**

The presence of covalently linked ribonucleotides in the closed circular deoxyribonucleic acid from higher plants. Kolodner R, et al. **J Biol Chem** 250(17):7020-6, 10 Sep 75

Simple ion-exchange column fractionation of ribonucleotides. Runeckles VC, et al. **J Chromatogr** 115(1):240-3, 10 Dec 75

Ribonucleotides in infectious bovine rhinotracheitis virus DNA. Babiuk LA, et al. **J Gen Virol** 31(2):221-30, May 76

Ribonucleotide sequence homology among avian oncornaviruses. Shoyab M, et al. **J Virol** 17(1):106-113, Jan 75

BIOSYNTHESIS

Studies on the control of development. Correlation of initiucleotides in Bacillus subtilis. Rhaese HJ, et al. **Eur J Biochem** 64(1):205-13, 15 Apr 76

Proceedings: Coordinate control of nucleotide biosynthetic pathways. Tatibana M. **J Biochem (Tokyo)** 79(4):41P-42P, Apr 76

CHEMICAL SYNTHESIS

Pteridine nucleotides, synthesis and enzymic studies. pp. 795-804. Rokos H, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Nucleotides. V. Syntheses of 2'-O-and 3'-O-(3-methyl-2-picolyl 1-oxide) ribonucleosides and diribonucleoside monophosphates by application of 3-methyl-2-picolyl 1-oxide protection. Mizuno Y, et al. **J Org Chem** 40(10):1385-90, 16 May 75

Thioacyl esters of nucleotides: synthesis of 3'(2')-O-thiobenzoyl nucleoside 5'-phosphates. Azhayev AV, et al. **Nucleic Acids Res** 2(9):1433-9, Sep 75

ISOLATION & PURIFICATION

Separation of oligonucleotides, nucleotides, and nucleosides on columns of polystyrene anion-exchangers with solvent systems containing ethanol. Asteriadis GT, et al. **Anal Biochem** 70(1):64-74, Jan 76

Quantitative separation of nucleotides on mercurated dextran. Gruenwedel DW, et al. **Biochim Biophys Acta** 402(1):7-19, 6 Aug 75

METABOLISM

Fluctuations in deoxyribo- and ribonucleoside triphosphate pools during the mitotic cycle of Physarum polycephalum. Fink K. **Biochim Biophys Acta** 414(1):85-9, 18 Nov 75

Effects of 2-amino-1,3,4-thiadiazole on ribonucleotide pools of leukemia L1210 cells. Nelson JA, et al. **Cancer Res** 36(4):1375-8, Apr 76

On the mechanism of nucleotide incorporation into DNA and RNA. Ninio J, et al. **FEBS Lett** 57(2):139-44, 15 Sep 75

Response of isolated rat hepatocytes to D-galactosamine and uridine. Hofmann F, et al. **Hoppe Seylers Z Physiol Chem** 357(3):427-33, Mar 76

Roles of nucleoside triphosphates in microtubule assembly. Kobayashi T, et al. **J Biochem (Tokyo)** 79(6):1357-64, Jun 76

Analysis of ribonuclease-nucleotide interactions by quantitative affinity chromatography. Chaiken IM, et al. **J Biol Chem** 241(7):2044-8, 10 Apr 76

Comparative investigation of free nucleotides in two neuroblastoma clonal cell lines. Wintzerith M, et al. **J Neurochem** 26(1):205-7, JAN 76

Differing effects of inducers of differentiation on the ribonucleotide pool sized of Friend leukemia cells. Preisler HD, et al. **Life Sci** 17(8):1287-90, 15 Oct 75

Incorporation of (5-3H) uridine into ribonucleotide pools and RNA during thyroxine-induced metamorphosis of Xenopus laevis tadpoles. Hagenbuchle O, et al. **Mol Cell Endocrinol** 4(2):61-77, Jan 76

[Acid-soluble nucleotides of the phototrophic bacterium Rhodospirillum rubrum during growth in light and in darkness] Shadi A, et al. **Mikrobiologiia** 44(2):206-9, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of ischemia on content of acid-soluble nucleotides in rat liver] Zhivkov VI. **Ukr Biokhim Zh** 47(2):188-93, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stimulation of protocollagen proline hydroxylase activity by nucleoside triphosphates. Takeda K, et al. **Biochem Biophys Res Commun** 69(4):957-61, 19 Apr 76

Mammalian adenylosuccinate synthetase. Nucleotide monophosphate substrates and inhibitors. Spector T, et al. **Biochim Biophys Acta** 445(2):509-17, 14 Sep 76

The role of nucleoside triphosphates in the control of 3'- and 5'-AMP dephosphorylation in crude extracts of B. subtilis. Ipata PL, et al. **FEBS Lett** 57(2):195-7, 15 Sep 75

Control of NADP+-specific isocitrate dehydrogenase from Acinetobacter by nucleotides. Kleber HP, et al.

FEBS Lett 61(2):282–5, 15 Jan 76
Regulation of glutaminase B in Escherichia coli. III. Control by nucleotides and divalent cations. Prusiner S, et al. **J Biol Chem** 251(11):3463–9, 10 Jun 76
Active site of ribonucleoside diphosphate reductase from Escherichia coli. Inactivation of the enzyme by 2'-substituted ribonucleoside diphosphates. Thelander L, et al. **J Biol Chem** 251(5):1398–405, 10 Mar 76
Calcium sequestration by subcellular fractions isolated from vascular smooth muscle: effect of cyclic nucleotides and prostaglandins. Webb RC, et al. **J Mol Cell Cardiol** 8(2):145–57, Feb 76
Effect of various nucleotides and drugs on microsomal thiamine diphosphatase activity in rat brain. Iwata H, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(5):323–9, 1975
Mechanism of nucleotide inhibition of gonadotropin binding to cell membranes of bovine corpus luteum. Rao CV. **Mol Cell Endocrinol** 3(4):255–71, Oct 75
Some properties of rat myocardial ornithine decarboxylase and the in vitro effects of nucleotides. Gibson K, et al. **Recent Adv Stud Cardiac Struct Metab** 7:77–83, 1975
[Radio-restoration by yeast s-RNA and its nucleotides of plant tissues cultured in vitro. Restorative activity of yeast s-RNA and a mixture of its nucleotides on the growth of Sorconera crown-gall tissue cultures] Jonard R, et al. **C R Acad Sci [D] (Paris)** 280(6):803–5, 10 Feb 75 (Eng. Abstr.) **(Fre)**
[Radiorestoration of plant tissue cultures in vitro by yeast s-RNA and its nucleotides. The active factor of yeast s-RNA is contained in its mononucleotide fraction] Ravelomanana D, et al. **C R Acad Sci [D] (Paris)** 280(8):1047–50, 24 Feb 75 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Partial neutralization of allopurinol-induced orotaciduria through ribonucleotides] Zöllner N, et al. **Verh Dtsch Ges Inn Med** 81:1466–7, 1975 **(Ger)**
[Treatment of amyotrophic lateral sclerosis with ribonucleotides] Bunina TL, et al. **Zh Nevropatol Psikhiatr** 76(2):166–74, 1976 (Eng. Abstr.) **(Rus)**

RIBOSE

Ribose-glucose exchange in purine nucleosides. Lichtenthaler FW, et al. **Angew Chem [Engl]** 14(12):815–6, Dec 75
Synthesis of 3-(beta-D-ribofuranosyl)-DL-alanine. Rosenthal A, et al. **Carbohydr Res** 47(2):332–6, Apr 76
'Non-rigid' nucleotides in tRNA: a new correlation in the conformation of a ribose. Jack A, et al. **Nature** 261(5557):250–1, 20 May 76
Ribose conformations in the common purine(beta)ribosides, in some antibiotic nucleosides, and in some isopropylidene derivatives: a comparison. Westhof E, et al. **Z Naturforsch [C]** 30(2):131–40, Mar–Apr 75

ANALOGS & DERIVATIVES

C-nucleoside studies. Part II. Pentofuranosylethynes from 2,3-O-isopropylidene-D-ribose. Buchanan JG, et al. **J Chem Soc [Perkin I]** (13):1191–200, 1975

ANALYSIS

[Absorption spectra of nucleic acids and related compounds in the spectral region 120—280 nm] Kisceleva MN, et al. **Biofizika** 20(4):561–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Preparative production of 5-desoxy-L-arabinose, xylitol and D-ribose from 'diacetone glucose'] Kiss J, et al. **Helv Chim Acta** 58(1):311–7, 29 Jan 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Catabolism of D-fructose and D-ribose by Pseudomonas doudoroffii. I. Physiological studies and mutant analysis. Baumann P, et al. **Arch Microbiol** 105(3):225–40, 7 Nov 75
Evidence that the isomerization of D-ribose and L-rhamnose is catalyzed by the same enzyme in Mycobacterium smegmatis. Izumori K, et al. **J Bacteriol** 126(1):553–5, Apr 76
Group translocation of the ribose moiety of inosine by vesicles of plasma membrane from T(3 cells transformed by Simian virus 40. Quinlan DC, et al. **J Biol Chem** 251(2):344–54, 25 Jan 76
The entry of D-ribose into some yeasts of the genus Pichia. Barnett JA. **J Gen Microbiol** 90(1):1–12, Sep 75
The existance of a group translocation transport mechanism in animal cells: uptake of the ribose moiety of inosine. Quinlan DC, et al. **J Supramol Struct** 4(4):387–99, 1976
Receptor interactions in a signalling system: competition between ribose receptor and galactose receptor in the chemotaxis response. Strange PG, et al. **Proc Natl Acad Sci USA** 73(3):762–6, Mar 76
[Study of the polyoldehydrogenases of the yeast Candida tropicalis during growth on various substrates] Shakhova IK. **Biol Nauki** (8):89–91, 1975 **(Rus)**
[Preliminary metabolism of D-ribose by Candida bombi] Karasevich IuN, et al. **Mikrobiologiia** 44(2):202–5, Mar–Apr 75 **(Rus)**

PHARMACODYNAMICS

Adaptive alterations in Lactobacillus casei. Gluconeogenesis in cells grown on ribose. Pradhan PG, et al. **Arch Biochem Biophys** 171(1):65–9, Nov 75
Transient inhibition by ribose 5-phosphate of photosynthetic O2 evolution in a reconstituted chloroplast system. Slabas AR, et al. **Biochim Biophys Acta** 430(1):154–64, 9 Apr 76

URINE

[Aspects of the biochemistry of the urine in mental deficiency in children] Tănase I. **Physiologie** 12(3):211–4, 1975 **(Fre)**

RIBOSEMONOPHOSPHATES see under **PENTOSEPHOSPHATES**

RIBOSEPHOSPHATE PYROPHOSPHOKINASE see under **PHOSPHOTRANSFERASES, ATP**

RIBOSOMAL PROTEINS

Circular dichroism studies on proteins and 18S-RNA of rat liver ribosomes. Becker M, et al. **Acta Biol Med Ger** 33(5–6):555–7, 1974
Evolution of ribosomal proteins. Delaunay J, et al. **Acta Biol Med Ger** 33(5–6):559–64, 1974
Studies of the RNA and protein moieties of the larger subribosomal particle of rabbit reticulocytes. Godwin E, et al. **Acta Biol Med Ger** 33(5–6):733–52, 1974
Affinity labeling of the peptidyltransferase center of E. coli ribosomes. Pongs O. **Acta Biol Med Ger** 33(5–6):629–32, 1974 (16 ref.)
The fine-structural properties of the amino-terminal region of the 50S ribosomal 'A' protein from Bacillus stearothermophilus. Visentin LP, et al. **Acta Biol Med Ger** 33(5–6):591–6, 1974
Proteinchemical studies on proteins of bacterial ribosomes. Wittmann HG, et al. **Acta Biol Med Ger** 33(5–6):571–90, 1974 (96 ref.)
Destabilization of the secondary structure of RNA by ribosomal protein S1 from Escherichia coli. Szer W, et al. **Biochem Biophys Res Commun** 70(3):957–64, 7 Jun 76
Characterization of the association of specific proteins with messenger ribonucleic acid. Barrieux A, et al. **Biochemistry** 15(16):3523–8, 10 Aug 76
Purification and properties of a ribosomal protein methylase from Escherichia coli Q13. Chang FN, et al. **Biochemistry** 14(22):4994–8, 4 Nov 75
Molecular interactions between ribosomal proteins. Evidence for specificity of interaction between isolated proteins. Rohde MF, et al. **Biochemistry** 14(19):4344–8, 23 Sep 75
The properties of ribosomal proteins from a moderate halophile. Falkenberg P, et al. **Biochim Biophys Acta** 434(2):474–82, 15 Jun 76
The similarities of ribosomal and basic chromosomal proteins from fungi. Leighton T, et al. **Biochim Biophys Acta** 432(3):381–94, 19 May 76
Specific ribonucleoprotein fragments from 40-S ribosomal subunits. Reboud AM, et al. **Biochim Biophys Acta** 432(2):176–84, 3 May 76
Studies on structural proteins of the rat liver ribosomes. I. Molecular wights of the proteins of large and small subunits. Terao K, et al. **Biochim Biophys Acta** 402(2):214–29, 21 Aug 75
Amino acid sequence homology in 30 S ribosomal protein S19 from Bacillus stearothermophilus and Escherichia coli. Vassos A, et al. **Biochim Biophys Acta** 427(1):471–4, 18 Mar 76
The role of membrane proteins and phospholipids in the interaction of ribosomes with endoplasmic reticulum membranes. Jothy S, et al. **Can J Biochem** 53(9):1039–45, Sep 75
Evolutionary aspects of a conformationally flexible region in the ribosomes of higher vertebrates. Sjöqvist A, et al. **Comp Biochem Physiol [B]** 52(2):277–82, 15 Oct 75
Nanosecond-pulse fluorometry study of S4 ribosomal protein. Brochon C, et al. **Eur J Biochem** 65(1):35–9, 17 May 76
Small-angle x-ray studies on the structure of 16-S ribosomal RNA and of a complex of ribosomal protein S4 and 16-S ribosomal RNA from Escherichia coli. Folkhard W, et al. **Eur J Biochem** 59(1):63–71, 1 Nov 75
Synthesis of a cleavable protein-crosslinking reagent for the investigation of ribosome structure. Peretz H, et al. **Eur J Biochem** 63(1):77–82, 16 Mar 76
Studies on the environment of protein S7 within the 30-S subunit Escherichia coli ribosomes. Rinke J, et al. **Eur J Biochem** 64(1):77–89, 15 Apr 76
Determination of the amino-acid sequence of the ribosomal protein S8 of Escherichia coli. Stadler H, et al. **Eur J Biochem** 66(1):49–56, 15 Jun 76
The primary structure of the 5S RNA binding protein L18 from Escherichia coli ribosomes. Brosius J, et al. **FEBS Lett** 56(2):359–61, 15 Aug 75
The primary structure of protein L34 from the large ribosomal subunit of Escherichia coli. Chen R, et al. **FEBS Lett** 63(1):215–7, 15 Mar 76
The primary structure of protein L27 from the peptidyl-tRNA binding site of Escherichia coli ribosomes. Chen R, et al. **FEBS Lett** 59(1):96–9, 1 Nov 75
The site of reaction on ribosomal protein L27 with an affinity label derivative of tRNA Met f. Collatz E, et al. **FEBS Lett** 63(2):283–6, 1 Apr 76
The primary structure of protein L10 from Escherichia coli ribosomes. Dovgas NV, et al. **FEBS Lett** 67(1):58–61, 1 Aug 76
Identification of neighbouring proteins in E. coli 50S ribosomes. Expert-Bezançon A, et al. **FEBS Lett** 59(1):64–9, 1 Nov 75
Prediction of the three-dimensional structure for ribosomal protein L25. Finkelstein AV, et al. **FEBS Lett** 60(1):137–40, 1 Dec 75
Proteins at the mRNA binding site of the Escherichia coli ribosome. Fiser I, et al. **FEBS Lett** 56(2):226–9, 15 Aug 75
Molecular morphology of ribosomes: structural alteration of 50S subunits following the removal of proteins L7 and L12. Michalski CJ, et al. **FEBS Lett** 58(1):85–9, 15 Oct 75
Primary structure of the 16S rRNA binding protein S15 from Escherichia coli ribosomes. Morinaga T, et al. **FEBS Lett** 64(2):307–9, 1 May 76
Small-angle x-ray scattering study of the 5S RNA binding proteins L18 and L25 from Escherichia coli ribosomes. Osterberg R, et al. **FEBS Lett** 65(1):73–6, 15 May 76
Small-angle X-ray scattering and crosslinking study of the proteins L7/L12 from Escherichia coli ribosomes. Osterberg R, et al. **FEBS Lett** 66(1):48–51, 1 Jul 76
The ribosomal protein L8 is a complex L7/L12 and L10. Pettersson I, et al. **FEBS Lett** 64(1):135–8, 15 Apr 76
The primary structure of protein L30 from Escherichia coli ribosomes. Ritter E, et al. **FEBS Lett** 60(1):153–5, 1 Dec 75
Joint use of light, X-ray and neutron scattering for investigation of RNA and protein mutual distribution within the 50S subparticle of E. coli ribosomes. Serdyuk IN, et al. **FEBS Lett** 59(1):133–6, 1 Nov 75
Near neighbors of IF3 bound to 30S ribosomal subunits. van Duin J, et al. **FEBS Lett** 59(2):287–90, 15 Nov 75
Studies on the significance of sequence homologies among proteins from Escherichia coli ribosomes. Wittmann-Liebold B, et al. **FEBS Lett** 65(3):281–3, 15 Jun 76
Primary structure of protein S18 from the small Escherichia coli ribosomal subunit. Yaguchi M. **FEBS Lett** 59(2):217–20, 15 Nov 75
The interaction of apurinic acid aldehyde groups with pararosaniline in the Feulgen-Schiff and related staining procedures. Duijndam WA, et al. **Histochemistry** 44(1):67–85, 16 Jul 75
The sequence determination of a protein in a micro scale: the sequence analysis of ribosomal protein L34 of Escherichia coli. Chen R. **Hoppe Seylers Z Physiol Chem** 357(6):873–86, Jun 76
A method of preparing Escherichia coli 16 S RNA possessing previously unobserved 30 S ribosomal protein binding sites. Hochkeppel HK, et al. **J Mol Biol** 101(2):155–70, 25 Feb 76
Mitochondrial ribosomal proteins in Xenopus laevis/X. mulleri interspecific hybrids. Leister DE, et al. **J Mol Biol** 96(1):119–23, 25 Jul 75
Identification by diagonal gel electrophoresis of nine neighboring protein pairs in the Escherichia coli 30 S ribosome crosslinked with methyl-4-mercaptobutyrimidate. Sommer A, et al. **J Mol Biol** 97(4):471–81, 5 Oct 75
RNA-protein interactions in the ribosome. VIII. Co-operative interactions in the 50 S subunit of Escherichia coli. Spierer P, et al. **J Mol Biol** 103(3):647–53, 25 May 76
Alteration of ribosomal protein S17 by mutation linked to neamine resistance in Escherichia coli. II. Localization of the amino acid replacement in protein S17 from a meaA mutant. Yaguchi M, et al. **J Mol Biol** 104(3):617–20, 5 Jul 76
Complementary binding of oligonucleotides with 16S RNA and ribosomal ribonucleoproteins. Kopylov AM, et al. **Mol Biol Rep** 2(2):95–100, Jul 75
Binding of aminoacyl-tRNA to rat liver ribosomal proteins. Reyes R, et al. **Mol Biol Rep** 2(6):471–7, Jul 76
Effect of different mutations in ribosomal protein S5 of Escherichia coli on translational fidelity. Piepersberg W, et al. **Mol Gen Genet** 140(2):91–100, 29 Sep 75
IS1 and IS2 mutations in the ribosomal protein genes of E. coli K-12. Saedler H, et al. **Mol Gen Genet** 141(1):85–9, 3 Nov 75
Evidence for tertiary structural RNA-RNA interactions within the protein S4 binding site at the 5'-end of 16S ribosomal RNA of Escherichia coli.+. Ungewickell E, et al. **Nucleic Acids Res** 2(10):1867–88, Oct 75
Neutron scattering measurements of separation and shape of proteins in 30S ribosomal subunit of Escherichia coli: S2-S5, S5-S8, S3-S7. Engelman DM, et al. **Proc Natl Acad Sci USA** 72(10):3888–92, Oct 75
[Molecular weight hetergeneity of proteins of the ribosomes and ribosomal subunits from dry pea seeds] Chumikina LV, et al. **Biokhimiia** 40(3):461–7, May-Jun 75 (Eng. Abstr.) **(Rus)**
[RNA-protein interactions in bacterial ribosomes. III. Secondary structure of 16S RNA fragments associated with protein S4] Chichkova NV, et al. **Mol Biol** 8(6):894–901, Nov-Dec 74 (Eng. Abstr.) **(Rus)**
[Possibility of internal organization of RNA and proteins in ribosomal subparticles. A structural model of Escherichia coli 30S ribosomal subparticle] Potapov AP. **Mol Biol (Mosk)** 9(3):426–34, May-Jun 75 (Eng. Abstr.) **(Rus)**
[Possibility of internal organization of RNA and proteins in

ribosomal subparticles. A structural model of Escherichia coli 30S ribosomal subparticle] Potapov AP. **Mol Biol (Mosk)** 9(3):426–34, May–Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Protein neighborhoods of the E. coli 30S ribosomal subunit. Bode U, et al. **Acta Biol Med Ger** 33(5–6):625–8, 1974

A study of the structure of E. coli ribosomes by affinity labeling. Kuechler E, et al. **Acta Biol Med Ger** 33(5–6):633–7, 1974

Direct approach to the enumeration of structural proteins of the large ribosomal subunit of rat liver. Ogata K, et al. **Acta Biol Med Ger** 33(5–6):539–45, 1974

Studies on proteins of animal ribosomes. XIX. Electrophoretic and immunological analysis of ribosomal proteins of different species of vertebrates. Theise H, et al. **Acta Biol Med Ger** 33(5–6):565–9, 1974

Studies on proteins of animal ribosomes. XXII. Localization and function of ribosomal proteins studied by chemical substitution with iodoacetamide and methyl–acetimidate. Westermann P, et al. **Acta Biol Med Ger** 33(5–6):699–707, 1974

A rapid two–dimensional micro–electrophoretic procedure for the analysis of ribosomal proteins. Bosselman RA, et al. **Anal Biochem** 70(1):281–4, Jan 76

The quantitation of ribosome–bound Escherichia coli ribosomal proteins L7L12 by radial immunodiffusion. Morrissey JJ, et al. **Anal Biochem** 75(1):53–7, Sep 76

Further studies on the identity of proteins at the subunit interface of the 70 S E. coli ribosome. Litman DJ, et al. **Arch Biochem Biophys** 174(2):523–31, Jun 75

Proceedings: Confirmation of the sequence of the NH2–terminal part of Escherichia coli ribosomal protein S21. Rombauts W, et al. **Arch Int Physiol Biochim** 83(2):398–400, May 75

Proceedings: The sequence of the COOH–terminal part of Escherichia coli ribosomal protein S21. Vandekerckhove J, et al. **Arch Int Physiol Biochim** 83(2):410–2, May 75

Short communications. Dondi PG. **Biochem J** 149(2):475–6, Aug 75

Enzymic iodination of eukaryotic ribosomal subunits. Characterization and analysis by two–dimensional gel electrophoresis. Leader DP. **Biochem J** 29(2):373–8, Nov 74

Ribosomal proteins of hamster, mouse and hybrid cells. Fujisawa T, et al. **Biochim Biophys Acta** 402(2):238–43, 21 Aug 75

Differences between the protein moieties of active subunits and EDTA–treated subunits of rat liver ribosomes with specific references to a 5 S rRNA – protein complex. Terao K, et al. **Biochim Biophys Acta** 402(2):230–7, 21 Aug 75

Characterization of N–ethylmaleimide–reactive proteins from human tonsillar ribosomes by two–dimensional polyacrylamide gel electrophoresis. Ucer U, et al. **Biochim Biophys Acta** 402(2):206–13, 21 Aug 75

Phylogenic studies on ribosomal proteins. Delaunay J, et al. **Biochimie** 56(11–12):1459–63, 1974

Reconstitution of 48 S particles with subunit association activity from Escherichia coli 50 S ribosomal components. Chu FK, et al. **Can J Biochem** 53(8):844–54, Aug 75

Carboxyl–terminal sequences of procaryotic ribosomal proteins from Escherichia coli, Bacillus stearothermophilus, and Halobacterium cutirubrum. Duggleby RG, et al. **Can J Biochem** 53(8):827–33, Aug 75

Comparison of the effect of various methods of dissociation on the protein composition of rat liver ribosomal subunits. Hanna N, et al. **Can J Biochem** 53(9):935–42, Sep 75

Changes in ribosome–associated proteins during sea urchin development. Unsworth BR, et al. **Differentiation** 3(1–3):21–7, 11 Aug 75

Two–dimensional gel electrophoresis of ribosomal proteins from streptomycin–sensitive and streptomycin–resistant mutants of Chlamydomonas reinhardi. Brügger M, et al. **Eur J Biochem** 58(2):603–10, 15 Oct 75

Molecular morphology of ribosomes. Iodination of Escherichia coli ribosomal proteins with solid–state lactoperoxidase. Michalski CJ, et al. **Eur J Biochem** 52(2):385–9, 17 Mar 75

The use of a cleavable crosslinking reagent to identify neighboring proteins in the 30–S ribosomal subunit of Escherichia coli. Peretz H, et al. **Eur J Biochem** 63(1):83–92, 16 Mar 76

Determination of the complete amino–acid sequence of protein S4 from Escherichia coli ribosomes. Schiltz E, et al. **Eur J Biochem** 56(2):467–81, 15 Aug 75

Free and membrane–bound rabbit reticulocyte ribosomes: proteins from the large and the small subunits. Fehlmann M, et al. **FEBS Lett** 59(1):8–12, 1 Nov 75

Primary structure of ribosomal protein S6 from the wild type and a mutant of Escherichia coli. Hitz H, et al. **FEBS Lett** 56(2):259–62, 15 Aug 75

Further analysis of the protein composition of yeast ribosomes. Kruiswijk T, et al. **FEBS Lett** 58(1):102–5, 15 Oct 75

Comparative studies on ribosomal proteins of Escherichia coli 113–3 and strains B, C and K12. Pezacka–Fojudzka E, et al. **FEBS Lett** 65(1):99–101, 15 May 76

On the stoichiometry of proteins in the small ribosomal subunit of hepatoma ascites cells. Westermann P, et al. **FEBS Lett** 62(2):132–5, 15 Feb 76

Comparison of amino acid sequences among ribosomal proteins of Escherichia coli. Wittmann–Liebold B, et al. **FEBS Lett** 61(1):14–9, 01 Jan 76

The primary structure of the 5s rRNA binding protein L25 of Escherichia coli ribosomes. Bitar KG, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1343–52, Sep 75

Determination of the complete amino acid sequence of protein S21 from Escherichia coli ribosomes. Vandekerckhove J, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1955–76, Dec 75

The primary structure of protein L32 from the 50S subunit of Escherichia coli ribosomes. Wittmann–Liebold B, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1977–9, Dec 75

The isolation of eukaryotic ribosomal proteins. The purification and characterization of the 40 S ribosomal subunit proteins S2, S3, S4, S5, S6, S7, S8, S9, S13, S23/S24, S27, and S28. Collatz E, et al. **J Biol Chem** 251(15):4666–72, 10 Aug 76

Cross–linking studies on the 50 S ribosomal subunit of Escherichia coli with methyl 4–mercaptobutyrimidate. Kenny JW, et al. **J Biol Chem** 250(24):9434–6, 25 Dec 75

Studies of 30 S Escherichia coli ribosome reassembly using individual proteins labeled with an environmentally sensitive fluorescent prode. Huang KH, et al. **J Mol Biol** 97(4):423–41, 5 Oct 75

Comparison of proteins bound to heterogeneous nuclear RNA and messenger RNA in HeLa cells. Kumar A, et al. **J Mol Biol** 96(3):353–65, 15 Aug 75

Ribosomal proteins S5, S11, S13 and S19 localized by electron microscopy of antibody–labeled subunits. Lake JA, et al. **J Mol Biol** 99(4):631–44, 25 Dec 75

The distribution of half–cystine in the ribosomal proteins of Escherichia coli. Moore PB. **J Mol Biol** 98(2):439–44, 25 Oct 75

The comparison of rat liver rough endoplasmic reticulum membrane proteins before and after in vitro removal of its bound ribosomes. Czosnek HH, et al. **Mol Biol Rep** 2(2):113–8, Jul 75

The variable location of phosphoproteins on eukaryotic ribosomal subunits. Rankine AD, et al. **Mol Biol Rep** 2(6):525–8, Jul 76

Localized mutagenesis of the aroE–strA section of the Escherichia coli chromosome coding for ribosomal proteins. Berger I, et al. **Mol Gen Genet** 141(3):207–11, 1 Dec 75

The stoichiometry of the ribosomal proteins of Escherichia coli. Hardy SJ. **Mol Gen Genet** 140(3):253–74, 3 Oct 75

Study on proteins from yeast cytoplasmic ribosomes by two–dimensional gel electrophoresis. Ishiguro J. **Mol Gen Genet** 145(1):73–9, 23 Apr 76

Ribosomal proteins from streptomycin–resistant and dependent mutants, and revertants from streptomycin–dependence to independence in Bacillus subtilis. Ito T, et al. **Mol Gen Genet** 139(4):293–301, 8 Sep 75

Amino acid replacement in the protein S5 from a spectinomycin resistant mutant of Bacillus subtilis. Itoh T. **Mol Gen Genet** 144(1):39–42, 27 Feb 76

The ribosomal proteins of drosophila melanogaster. IV. Characterization by two–dimensional gel electrophoresis of the ribosomal proteins from nine postembryonic developmental stages. Lambertsson AG. **Mol Gen Genet** 139(2):133–44, 5 Aug 75

The ribosomal proteins of Drosophila melanogaster. V. Analysis by two–dimensional gel electrophoresis of the ribosomal proteins of the temperature–sensitive lethal allele of suppressor of forked, l(1) su(f)ts67g: a putative ribosomal protein mutant. Lambertsson AG. **Mol Gen Genet** 139(2):145–56, 5 Aug 75

Micro–scale two–dimensional polyacrylamide gell electrophoresis of ribosomal proteins. Lin A, et al. **Mol Gen Genet** 144(1):1–9, 27 Feb 76

Characterisation of eukaryotic ribosomal proteins. Martini OH, et al. **Mol Gen Genet** 142(4):299–316, 31 Dec 76

Molecular weight distribution of ribosomal proteins from several vertebrate species. Martini OH, et al. **Mol Gen Genet** 142(4):317–31, 31 Dec 76

Surface topography of the Bacillus stearothermophilus ribosome. Miller HM, et al. **Mol Gen Genet** 144(3):273–80, 30 Mar 76

Correlation of 30S ribosomal proteins of Escherichia coli fractionated on carboxymethyl–cellulose column chromatography to the standard nomenclature. Muto A, et al. **Mol Gen Genet** 140(1):1–5, 15 Sep 75

Temperature related alterations in the acidic alanine–rich 'A' protein from the 50S ribosomal particle of the extreme halophile, Halobacterium cutirubrum. Strom AR, et al. **Mol Gen Genet** 140(1):15–27, 15 Sep 75

Localization of Escherichia coli ribosomal protein S4 on the surface of the 30S ribosomal subunit by immuno electron microscopy. I. Distribution of antibody–binding sites as obtained with immunoglobulins and monovalent antibody fragments from various S4–specific antisera. Tischendorf GW, et al. **Mol Gen Genet** 142(3):193–208, 30Dec 75

Proteinchemical studies on ribosomal proteins S4 and S12 from ram (ribosomal ambiguity) mutants of Escherichia coli. van Acken U. **Mol Gen Genet** 140(1):61–8, 15 Sep 75

Analysis of ribosomal proteins in streptomycin resistant and dependent mutants isolated from streptomycin independent Escherichia coli strains. Wittmann HG, et al. **Mol Gen Genet** 141(4):331–41, 9 Dec 75

Intrinsic fluorescence of S4 and S7 E. coli ribosomal proteins. Gérard D, et al. **Photochem Photobiol** 22(3–4):89–95, Sep–Oct 75

Nonribosomal proteins associated with eukaryotic native small ribosomal subunits. Freienstein C, et al. **Proc Natl Acad Sci USA** 72(9):3392–6, Sep 75

Lack of ribosomal protein S1 in Bacillus stearothermophilus. Isono K, et al. **Proc Natl Acad Sci USA** 73(3):767–70, Mar 76

Isolation and characterization of two acidic proteins of 60s ribosomes from Artemia salina cysts. Möller W, et al. **Proc Natl Acad Sci USA** 72(12):4774–8, Dec 75

[The characteristic of radioactive products of partial hydrolysis of ribosomic proteins (author's transl)] Szwaj M. **Ann Univ Mariae Curie Sklodowska [Med]** 30:137–42, 1975 (Eng. Abstr.) **(Pol)**

[Analysis of ribosomal proteins and ribosomal subunits of pea seeds by electrophoresis in polyacrylamide gel] Chumikina PV, et al. **Biokhimiia** 40(2):267–75, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Ribosomal proteins of the photosynthesizing bacterium Chromatium vinosum] Iurina NP, et al. **Dokl Akad Nauk SSSR** 225(6):1450–2, 21 Dec 75 **(Rus)**

BIOSYNTHESIS

Ribosomes and biosynthesis of proteins. Concluding remarks. Arnstein HR. **Acta Biol Med Ger** 33(5–6):979–80, 1974

The activity of cytosolic fraction and ribosomes of different tissues in cell–free protein synthesis. Bielka H, et al. **Acta Biol Med Ger** 33(5–6):827–32, 1974

Regulation of protein biosynthesis in eukaryotes. III. Activity of cytosolic subfractions from liver and kidney of the rat in cell free polysomal systems. Junghahn I. **Acta Biol Med Ger** 33(5–6):833–7, 1974

Some aspects of the biosynthesis of ribosomal structural proteins in regenerating rat liver. Ogata K, et al. **Acta Biol Med Ger** 33(5–6):963–9, 1974

Influence of phenobarbitone on the size and activity for protein synthesis of liver polyribosomes from fasted rats. Ragnotti G, et al. **Acta Biol Med Ger** 33(5–6):855–8, 1974

Influence of cytoplasmic factors on protein synthesis in rat liver. von der Decken A. **Acta Biol Med Ger** 33(5–6):839–43, 1974

Interaction between divalent ions and ribosomes during in vitro protein synthesis: a Mn (II) electron spin resonance study. Maggiori F, et al. **Arch Sci Biol (Bologna)** 57(3–4):107–20, Jul–Dec 73

Synthesis of messenger RNA coding for elongation factors G and Ts during nutritional shift–up in Escherichia coli K–12. Barnsley PG, et al. **Biochem Biophys Res Commun** 71(3):817–25, 9 Aug 76

Protein synthesis during a nutritional shift–up in Escherichia coli. Sells BH, et al. **Biochem Biophys Res Commun** 67(1):203–11, 3 Nov 75

Regulation of synthesis of ribosomal proteins during pyrimidine starvation in Escherichia coli. Beatty BG, et al. **Biochem J** 150(3):463–9, Sep 75

Gene activities for ribosomal components in Escherichia coli B/r. Bremer H, et al. **Biochem J** 150(3):469–75, Sep 75

Possibilities for intracellular integration: The ribonucleic acid polymerases of chloroplasts and nuclei, and genes specifying chloroplast ribosomal proteins. Bogorad L, et al. **Biochem Soc Symp** (38):17–41, 1973

Isolation and characterization of chloroplast 70S and of 80S ribosomes from Chlamydomonas reinhardii: protein synthesis in vitro. Chua NH, et al. **Biochem Soc Symp** (38):163–74, 1973

Cellular site of synthesis of ribosomal proteins in yeast. Mager WH, et al. **Biochim Biophys Acta** 402(1):105–12, 6 Aug 75

Preferential biosynthesis of ribosomal structural proteins by free and loosely bound polysomes from regenerating rat liver. Nabeshima YI, et al. **Biochim Biophys Acta** 414(1):30–43, 18 Nov 75

A transition state analogue of tRNA–dependent peptide condensation as an inhibitor of ribosomal protein synthesis. Seela F, et al. **Biochim Biophys Acta** 435(1):105–8, 2 Jun 76

In vivo isotope incorporation patterns into HeLa ribosomal proteins. Vandrey JP, et al. **Biochim Biophys Acta** 432(1):104–12, 15 Apr 76

Translational control of protein synthesis in stimulated WI–38 fibroblasts. Whelly SM, et al. **Biochim Biophys Acta** 425(2):234–45, 4 Mar 76

Ribosomal RNA: the message or matrix for ribosomal proteins. Miller DR, et al. **Can J Biochem** 54(2):192–3, Feb 76

Identification of genes for elongation factor Ts and ribosomal protein S2 in E. coli. Yamamoto M, et al. **Cell** 8(1):129–38, May 76

Yeast ribosomal proteins are synthesized on small polysomes. Mager WH, et al. **Eur J Biochem** 62(1):193–7, 2 Feb 76

In vitro synthesis of yeast ribosomal proteins. Mager WH, et al. **FEBS Lett** 58(1):219–21, 15 Oct 75

Synthesis of ribosomal structural proteins by postmitochondrial supernatant from regenerating rat liver. Tsurgi K, et al. **J Biochem (Tokyo)** 79(5):883–93, May 76

Relative stoichiometry in ribosomal proteins in HeLa cell nucleoli. Phillips WF, et al. **J Biol Chem** 251(10):2876–81, 25 May 76

Studies on the mechanism of lymphocyte–mediated cytolysis. VI. A reappraisal of the requirement for protein synthesis during T cell–mediated lysis. Thorn RM, et al. **J Immunol** 116(1):146–9, Jan 76

Alteration of ribosomal protein S17 by mutation linked to neamine resistance in Escherichia coli. I. General properties of neaA mutants. Bollen A, et al. **J Mol Biol** 99(4):795–806, 25 Dec 75

Regulation of the expression of ribosomal protein genes in Escherichia coli. Dennis PP, et al. **J Mol Biol** 97(1):61–76, 5 Sep 75

Late steps in the assembly of 30 S ribosomal proteins in vivo in a spectinomycin-resistant mutant of Escherichia coli. Nashimoto H, et al. **J Mol Biol** 96(3):443–53, 15 Aug 75

Direction of transcription of two ribosomal protein genes in Escherichia coli. Wittmann HG, et al. **J Mol Biol** 98(4):827–9, 15 Nov 75

Alteration in the labelling of renal ribosomal protein by aldosterone. Trachewsky D, et al. **J Steroid Biochem** 6(7):1157–64, Jul 75

Deletions of ribosomal protein genes in Escherichia coli merodiploids heterozygous for resistance to streptomycin and spectinomycin Andrésson OS, et al. **Mol Gen Genet** 144(2):127–30, 22 Mar 76

Expression of ribosomal protein genes in Escherichia coli. Cabezón T, et al. **Mol Gen Genet** 137(2):125–9, 1975

Cooperative control of translational fidelity by ribosomal proteins in Escherichia coli. III. A ram mutation in the structural gene for protein S5 (rpx E). Cabezón T, et al. **Mol Gen Genet** 144(1):59–62, 27 Feb 76

Isolation of transducing phage carrying rps T, the structural gene for ribosomal protein S20. Friesen JD, et al. **Mol Gen Genet** 144(1):115–8, 27 Feb 76

Gene locus of a 30s ribosomal protein S20 of Bacillus subtilis. Osawa S. **Mol Gen Genet** 144(1):49–51, 27 Feb 76

A relaxed mutant with an altered ribosomal protein L11. Parker J, et al. **Mol Gen Genet** 144(1):111–4, 27 Feb 76

Analysis of the proteins synthesized in ultraviolet light-irradiated Escherichia coli following infection with the bacteriophages lambdadrifd 18 and lambdadfus-3. Pedersen S, et al. **Mol Gen Genet** 144(3):339–43, 30 Mar 76

Genetic position and amino acid replacements of several mutations in ribosomal protein S5 from Escherichia coli. Piepersberg W, et al. **Mol Gen Genet** 143(1):43–52, 30 Dec 75

Cycloheximide resistance in Chinese hamster cells. III. Characterization of cell-free protein synthesis by polysomes. Pöche H, et al. **Mol Gen Genet** 138(2):173–7, 1975

Coordinate regulation of the synthesis of eukaryotic ribosomal proteins. Gorenstein C, et al. **Proc Natl Acad Sci USA** 73(5):1547–51, May 76

Cluster of genes in Escherichia coli for ribosomal proteins, ribosomal RNA, and RNA polymerase subunits. Lindahl L, et al. **Proc Natl Acad Sci USA** 72(7):2743–7, Jul 75

New chromosomal location for structural genes of ribosomal proteins. Watson RJ, et al. **Proc Natl Acad Sci USA** 72(7):2765–9, Jul 75

[Role of protein synthesis in the formation of chloroplast ribosomes in Euglena] Heizmann P. **Biochimie** 56(10):1357–64, 1974 (Eng. Abstr.) **(Fre)**

[Age dependent changes of biosynthesis of proteins (author's transl)] Bielka H, et al. **ZFA [Dresden]** 31(1):7–11, 1976 (Eng. Abstr.) **(Ger)**

[Synthesis of ribosomal proteins in early development of the loach] Krigsgaber MR, et al. **Ontogenez** 7(1):47–57, 1976 (Eng. Abstr.) **(Rus)**

BLOOD

A comparison of ribosomal proteins from rabbit reticulocytes phosphorylated in situ and in vitro. Traugh JA, et al. **Biochemistry** 15(3):610–6, 10 Feb 76

IMMUNOLOGY

Studies on proteins of animal ribosomes. XVIII. Reaction of ribosomes and ribosomal proteins with antibodies against ribosomal proteins. Noll F, et al. **Acta Biol Med Ger** 33(5–6):547–53, 1974

ISOLATION & PURIFICATION

Studies on proteins of animal ribosomes. XXI. Tryptic digestion of rat liver ribosomal particles. Henkel B, et al. **Acta Biol Med Ger** 33(5–6):691–8, 1974

Modified two-dimensional electrophoresis for identification and autoradiography of ribosomal proteins reacted with p-chloromercuribenzoate. Cronenberger JH, et al. **Anal Biochem** 70(2):499–505, Feb 76

Purification of proteins from the 50S ribosomal subunit of Escherichia coli by ion-exchange chromatography. Zimmermann RA, et al. **Biochemistry** 15(9):2007–17, 4 May 76

Release of certain ribosomal proteins from 70-S Escherichia coli ribosomes by mild ribonuclease digestion. Gast WH, et al. **Biochim Biophys Acta** 432(1):98–103, 15 Apr 76

The use of acetone precipitation in the isolation of ribosomal proteins. Barritault D, et al. **Eur J Biochem** 63(1):131–5, 16 Mar 76

Mammalian mitochondrial ribosomes:characterization of ribosomal proteins by two-dimensional gel electrophoresis. Czempiel W, et al. **FEBS Lett** 62(3):259–62, 1 Mar 76

Quantitation of eukaryotic ribosomal proteins separated by two-dimensional polyacrylamide gel electrophoresis. Martini OH, et al. **FEBS Lett** 56(2):205–11, 15 Aug 75

Mapping of ribosomal proteins from mammalian mitochondria. pp. 550–53. Czempiel W, et al. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Group fractionation of eukaryotic ribosomal proteins. Collatz E, et al. **J Biol Chem** 251(6):1808–16, 25 Mar 76

Electrophoretic study of human ribosomal core proteins: evidence for selection against variation. Bucknall WE, et al. **Johns Hopkins Med J** 137(3):123–6, Sep 75

Complete solubilization of ribosomal proteins during the fractionation of mouse liver ribosomal proteins by two-dimensional polyacrylamide gel electrophoresis. Hoffman WL, et al. **Prep Biochem** 6(1):13–26, 1976

METABOLISM

Functional interactions of E. coli 50S ribosomal proteins. Howard GA, et al. **Acta Biol Med Ger** 33(5–6):655–60, 1974

Enzymic iodination of ribosomal subunits from rat liver. Leader DP. **Acta Biol Med Ger** 33(5–6):685–9, 1974

Identification by photoaffinity labeling of the proteins in E. coli ribosomes involved in elongation-factor G-dependent GDP binding. Maassen JA, et al. **Acta Biol Med Ger** 33(5–6):621–4, 1974

Proteins at the peptidyltransferase center from E. coli ribosomes. Nierhaus KH, et al. **Acta Biol Med Ger** 33(5–6):613–9, 1974

Study of protein reactivity in rat liver ribosomes. Effect of RNA addition to autodigested ribosomes. Reboud JP, et al. **Acta Biol Med Ger** 33(5–6):661–6, 1974

Enzymatic phosphorylation of eukaryotic ribosomal proteins and factors of protein biosynthesis. Stahl J, et al. **Acta Biol Med Ger** 33(5–6):667–76, 1974

Studies on proteins of animal ribosomes. XX. Iodination of rat liver ribosomal proteins. Welfle H. **Acta Biol Med Ger** 33(5–6):677–83, 1974

Preparation and analysis of structural proteins of the small ribosomal subunit of rat liver. Westermann P, et al. **Acta Biol Med Ger** 33(5–6):531–7, 1974

Methylation of ribosomal proteins in HeLa cells. Chang FN, et al. **Arch Biochem Biophys** 172(2):627–33, Feb 76

Dephosphorylation of 40S ribosomal subunits by phosphoprotein phosphatase activity from rabbit reticulocytes. Lightfoot HN, et al. **Biochem Biophys Res Commun** 66(4):1141–6, 27 Oct 75

Uptake of ribosomal proteins by isolate HeLa nuclei. Roth HE, et al. **Biochem Biophys Res Commun** 69(3):608–12, 5 Apr 76

Effect of elongation factor 2 and of adenosine diphosphate-ribosylated elongation factor 2 on translocation. Montanaro L, et al. **Biochem J** 156(1):15–23, 15 Apr 76

Phosphorylation of ribosomal proteins and the inhibition of protein biosynthesis. Rankine AD, et al. **Biochem Soc Trans** 3(4):546, 1975

In vivo and in vitro phosphorylation of ribosomal proteins by protein kinases from Saccharomyces cerevisiae. Becker-Ursic D, et al. **Biochemistry** 15(11):2289–96, 1 Jun 76

Evidence of the involvement of a 50S ribosomal protein in several active sites. Fahnestock SR. **Biochemistry** 14(24):5321–7, 2 Dec 75

Escherichia coli stringent factor binds to ribosomes at a site different from that of elongation factor Tu or G. Richter D, et al. **Biochemistry** 14(20):4414–20, 7 Oct 75

Phosphorylation of ribosome-associated proteins during the mammalian cell cycle. Unique phosphorylation of a specific protein during mitosis. Rupp RG, et al. **Biochim Biophys Acta** 418(1):81–92, 5 Jan 76

Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterogous cell-free systems. Vassileva Grancharova T, et al. **Biochim Biophys Acta** 418(3):397–403, 5 Feb 76

Study on mammalian ribosomal protein reactivity in situ. III. Effect of trypsin on 40S and 60S subunits. Arpin M, et al. **Biochimie** 57(10):1177–84, 1975

Free and membrane-boudn ribosomes. V. Iodination of rabbit reticulocyte polysomes. Fehlmann M, et al. **Biochimie** 57(11–12):1385–8, Nov-Dec 75

Protein binding and subunit association activity in particles reconstituted from Escherichia coli MRE600 50S ribosomal components. Chu FK, et al. **Can J Biochem** 54(5):470–6, May 76

The conservation of amino acids in the n-terminal position of ribosomal and cytosol proteins from Escherichia coli, Bacillus stearothermophilus, and Halobacterium cutirubrum. Matheson AT, et al. **Can J Biochem** 53(12):1323–7, Dec 75

Specificity of ATP-dependent and GTP-dependent protein kinases with respect to ribosomal proteins of Escherichia coli. Issinger OG, et al. **Eur J Biochem** 59(1):137–43, 1 Nov 75

The importance of Escherichia coli ribosomal proteins L1, L11 and L16 for the association of ribosomal subunits and the formation of the 70-S initiation complex. Kazemie M. **Eur J Biochem** 58(2):501–10, 15 Oct 75

Reaction of N-(3-pyrene)maleimide with thiol groups of reticulocyte ribosomes. Lee T, et al. **Eur J Biochem** 66(1):105–14, 15 Jun 76

Identification of the 30-S ribosomal proteins at the decoding site by affinity labelling with a reactive oligonucleotide. Lührmann R, et al. **Eur J Biochem** 66(1):1–9, 15 Jun 76

The involvement of protein L 11 in the joining of the 30-S initiation complex to the 50-S subunit. Naaktgeboren N, et al. **Eur J Biochem** 62(1):117–23, 2 Feb 76

A plasmocytoma ribosome-associated protein kinase which phosphorylates a specific protein of the ribosomal KCl wash. Quirin-Stricker C, et al. **Eur J Biochem** 62(1):199–209, 2 Feb 76

Activity of the 30-S CsCl core in elongation-factor-dependent GTP hydrolysis. Sander G, et al. **Eur J Biochem** 61(1):317–23, 2 Jan 76

Chemical inactivation of Escherichia coli 30-S ribosomes by iodination. Identification of proteins involved in tRNA binding. Shimizu M, et al. **Eur J Biochem** 61(1):307–15, 2 Jan 76

Pools of ribosomal proteins in Escherichia coli. Studies on the exchange of proteins between pools and ribosomes. Ulbrich B, et al. **Eur J Biochem** 57(1):49–54, 1 Sep 75

The specific role of ribosomal protein S1 in the recognition of native phage RNA. van Dieijen G, et al. **Eur J Biochem** 64(2):511–8, 1 May 76

30S ribosomal proteins associated with the 3'-terminus of 16S RNA. Czernilofsky AP, et al. **FEBS Lett** 58(1):281–4, 15 Oct 75

Studies of the binding of E. coli ribosomal protein S4 to 16S rRNA after UV irradiation of the S4—16S rRNA complex. Ehresmann B, et al. **FEBS Lett** 58(1):106–11, 15 Oct 75

Phosphorylation of ribosomal proteins. pp. 149–57. Loeb JE, et al. **In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.**

Phosphorylation of proteins of ribosomes and nucleolar pre-ribosomal particles in Novikoff hepatoma ascites cells. pp. 159–68. Prestayko AW, et al. **In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.**

Restoration by ribosomal protein S1 of the defective translation in a temperature-sensitive mutant of Escherichia coli K-12: characterization and genetic studies. Ohsawa H, et al. **J Bacteriol** 127(3):1157–66, Sep 76

Influence of glucagon and cyclic adenosine 3':5'-monophosphate on the phosphorylation of rat liver ribosomal protein S6. Gressner AM, et al. **J Biol Chem** 251(5):1500–4, 10 Mar 76

Exchange and stability of HeLa ribosomal proteins in vivo. Lastick SM, et al. **J Biol Chem** 251(10):2867–75, 25 May 76

Site-specific interaction of Qbeta host factor and ribosomal protein S1 with Qbeta and R17 bacteriophage RNAs. Senear AW, et al. **J Biol Chem** 241(7):1902–12, 10 Apr 76

The ribosomal proteins of Saccharomyces cerevisiae. Phosphorylated and exchangeable proteins. Zinker S, et al. **J Biol Chem** 251(6):1799–807, 25 Mar 76

Functional roles and interactions of sulfhydryl proteins of 30 S ribosomal subunits. Ginzburg I, et al. **J Mol Biol** 100(3):387–98, 25 Jan 76

Ribosome assembly in HeLa cells: labeling pattern of ribosomal proteins by two-dimensional resolution. Kumar A, et al. **J Mol Biol** 94(3):409–23, 25 May 75

The in vivo order of protein addition in the course of Escherichia coli 30 S and 50 S subunit biogenesis. Pichon J, et al. **J Mol Biol** 96(1):125–37, 25 Jul 75

Growth-dependent regulation in production and utilization of acetylated ribosomal protein L7. Ramagopal S, et al. **J Mol Biol** 94(4):633–41, 5 Jun 75

Identification of the 30 S protein adjacent to peptidyl transferase catalytic center of Escherichia coli ribosomes. Hatayama T, et al. **Mol Biol Rep** 2(3):282–8, Oct 75

Analysis by two-dimensional polyacrylamide gel electrophoresis of the in vivo phosphorylation of ribosomal proteins derived from free and membrane-bound polysomes. Hoffman WL, et al. **Mol Biol Rep** 2(3):219–24, Oct 75

Cooperative control of translation fidelity by ribosomal proteins in Escherichia coli. I. Properties of ribosomal mutants whose resistance to neamine is the cumulative effect of two distinct mutations. De Wilde M, et al. **Mol Gen Genet** 142(1):19–33, 23 Dec 75

Binding of erythromycin to the 50S ribosomal subunit is affected by alterations in the 30S ribosomal subunit. Saltzman L, et al. **Mol Gen Genet** 143(3):301–6, 2 Feb 76

Alteration of ribosomal proteins in revertants of a valyl-tRNA synthetase mutant of Escherichia coli. Wittmann HG, et al. **Mol Gen Genet** 141(4):317–29, 9 Dec 75

Cooperative control of translational fidelity by ribosomal proteins in Escherichia coli. II. Localization of amino acid replacements in proteins S5 and S12 altered in double mutants resistant to neamine. Yaguchi M, et al. **Mol Gen Genet** 142(1):35–43, 23 Dec 75

Affinity labelling the acceptor site of the peptidyl transferase centre of the Escherichia coli ribosome. Eilat D, et al. **Nature** 250(5466):514–6, 9 Aug 74

Effect of experimental diabetes and insulin on phosphorylation of rat liver ribosomal protein S6. Gressner AM, et al. **Nature** 259(5539):148–50, 15 Jan 76

Phosphorylation of ribosomal proteins in HeLa cells infected with vaccinia virus. Kaerlein M, et al. **Nature** 259(5539):150–1, 15 Jan 76

Specific release of ribosomal proteins by nucleic acid-intercalating agents. Ballesta JP, et al. **Nucleic Acids Res** 3(5):1307–22, May 76

Interactions between 30s ribosomal proteins and 50s subunits of Escherichia coli. Jenness D, et al. **Nucleic Acids Res** 3(1):1–10, Jan 76

Binding of ribosomal protein S1 of Escherichia coli to the 3' end of 16S rRNA. Dahlberg AE, et al. **Proc Natl Acad Sci USA** 72(8):2940–4, Aug 75

Stringent factor from Escherichia coli directs ribosomal binding and release of uncharged tRNA. Richter D. **Proc Natl Acad Sci USA** 73(3):707–11, Mar 76

[On the protein composition of ribonucleoprotein particles before and after fertilization fo sea urchin eggs (Echinus esculentus)] Liautard JP, et al. **Z Naturforsch [C]** 31(7–8):464–7, Jul–Aug 76

[Nearest-neighbor relationships among 50S ribosomal proteins of E. coli] Barritault D, et al. **C R Acad Sci [D] (Paris)** 281(14):1043–6, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[The genetics of the ribosomal proteins of E. coli (author's transl)] Nashimoto H. **Protein Nucleic Acid Enzyme (Tokyo)** 21(3):205–16, 1 Mar 76 **(Jpn)**

[The role of ribosomal proteins in translation in Procaryota (author's transl)] Grankowski N. **Postepy Biochem** 22(2):173–95, 1976 **(Pol)**

Studies on the mechanism of translocation in ribosomes. IV. The role of ribisomal proteins S12 in translocation] Gavrilova LP, et al. **Mol Biol (Mosk)** 9(4):609–21, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Role of ribosomal protein S1 in portein synthesis: effects of its addition to Bacillus stearothermophilus cell-free system. Isono S, et al. **Eur J Biochem** 56(1):15–22, 1 Aug 75

Alteration of polynucleotide secondary structure by ribosomal protein S1. Bear DG, et al. **Proc Natl Acad Sci USA** 73(6):1824–8, Jun 76

Ribosomal proteins of Escherichia coli that stimulate stringent-factor-mediated pyrophosphoryl transfer in vitro. Christiansen L, et al. **Proc Natl Acad Sci USA** 73(6):1839–43, Jun 76

PHYSIOLOGY

Studies on the lactose operon. The control of DNA-directed in vitro protein synthesis by interference factor i-alpha. Kung HF, et al. **J Biol Chem** 250(22):8780–4, 25 Nov 75

RADIATION EFFECTS

U.V. induced covalent crosslinking of E. coli ribosomal RNA to specific proteins. Baca OG, et al. **Biochem Biophys Res Commun** 70(4):1091–6, 21 Jun 76

Evidence for photoinduced cross-linkage, in situ, of 30S ribosomal proteins to 16S rRNA. Gorelic L. **Biochemistry** 14(21):4627–33, 21 Oct 75

Photoinduced cross-linkage, in situ, of Escherichia coli 30S ribosomal proteins to 16S rRNA: identification of cross-linked proteins and relationships between reactivity and ribosome structure. Gorelic L. **Biochemistry** 15(16):3579–90, 10 Aug 76

Photoinduced convalent crosslinkage, in situ, of Escherichia coli 50 S ribosomal proteins to rRNA. Gorelic L. **Biochim Biophys Acta** 390(2):209–25, 1 May 75

Specific cross-linking of proteins S7 and L4 to ribosomal RNA, by UV irradiation of Escherichia coli ribosomal subunits. Möller K, et al. **Mol Gen Genet** 141(4):343–55, 9 Dec 75

[Formation, by gamma irradiation, of RNA-protein cross-links in E. coli ribosomes] Ekert B, et al. **C R Acad Sci [D] (Paris)** 282(10):1053–6, 8 MAR 76 (Eng. Abstr.) **(Fre)**

RIBOSOMES

see related
RNA, RIBOSOMAL

Structural analysis and in vitro function of chicken ribosomes isolated at various stages of embryonic development. Greco C, et al. **Acta Embryol Exp (Palermo)** (3):249–64, 1975 (Eng. Abstr.)

The mitochondrial ribosomes of Neurospora crassa. II. Comparison of the proteins from Neurospora crassa mitochondrial ribosomes with ribosomal proteins from Neurospora cytoplasm, from rat liver mitochondria and from bacteria. van den Bogert C, et al. **Biochim Biophys Acta** 442(2):227–38, 18 Aug 76

Molecular forces in ribosomes and polynucleotide complexes. Bresler SE, et al. **Biopolymers** 15(4):649–53, Apr 76

Production and fates of unique organelles (transosomes) in ovarian follicles of Gallus domesticus under various conditions. II. Schjeide OA, et al. **Cell Tissue Res** 163(1):63–79, 17 Nov 75

Does the T-locus in the mouse include ribosomal DNA? Atwood KC, et al. **Cytogenet Cell Genet** 17(1):9–17, 1976

On the dissociation and association of Escherichia coli ribosomes. Walters H, et al. **Eur J Biochem** 58(2):269–72, 15 Oct 75

Isolation and characterization of different-sized nucleoli from Ehrlich ascites tumor cells. Evidence of different nucleolar ribosomal cistrons. Higashi K, et al. **Exp Cell Res** 93(2):299–308, Jul 75

Characterization of Astasia longa ribonsomal DNA. Morosoli R, et al. **Exp Cell Res** 99(1):88–94, Apr 76

Cold-sensitive mutants of Drosophila melanogaster defective in ribosome assembly. Falke EV, et al. **Genetics** 81(4):655–82, Dec 75

Satellite DNA, localization of ribosomal cistrons and heterochromatin in Haplopappus gracilis. Ståhle U, et al. **Hereditas** 79(1):21–8, 1975

Ribosomal distribution in a polyamine auxotroph of Escherichia coli. Algranati ID, et al. **J Bacteriol** 124(3):1122–7, Dec 75

Isolation of 30S and 50S active ribosomal subunits of Bacillus subtilis, Marburg strain. Guha S, et al. **J Bacteriol** 124(3):1062–6, Dec 75

Further studies on the isolation of ribosomes from normal and methylcholanthrene-treated mouse epidermis. Argyris TS, et al. **J Invest Dermatol** 65(3):334–6, Sep 75

Preparation of RNA and ribosomes from yeast. Rubin GM. **Methods Cell Biol** 12:45–64, 1975 (67 ref.)

Role of 5S RNA in assembly and function of the 50S subunit from Escherichia coli. Dohme F, et al. **Proc Natl Acad Sci USA** 73(7):2221–5, Jul 76

[Characterization of mitochondrial ribosomes from Paracentrotus lividus] Pepe G, et al. **Boll Soc Ital Biol Sper** 51(19):1335–41, 15 Oct 75 **(Ita)**

[Characteristics of skeletal muscle tissue ribosomes] Khoroshkov IuA, et al. **Biull Eksp Biol Med** 81(5):534–6, May 76 (Eng. Abstr.) **(Rus)**

[Use of silkworm silk gland ribosomes as a model for the study of exogenous matrices in protein biosynthesis] Kullyev P. **Dokl Akad Nauk SSSR** 227(4):1003–6, 1976 **(Rus)**

ANALYSIS

The quantitation of ribosome-bound Escherichia coli ribosomal proteins L7L12 by radial immunodiffusion. Morrissey JJ, et al. **Anal Biochem** 75(1):53–7, Sep 76

Partition of ribosomes in two-polymer aqueous phase systems. Pestka S, et al. **Anal Biochem** 71(1):137–42, Mar 76

Further studies on the identity of proteins at the subunit interface of the 70 S E. coli ribosome. Litman DJ, et al. **Arch Biochem Biophys** 174(2):523–31, Jun 75

Differences between newly formed and recycled free small ribosome subunits in liver cytoplasm. Hinton RH, et al. **Biochem J** 158(1):97–103, 15 Jul 76

Ribosomal RNA genes in the nucleus and chloroplast of Euglena. Gruol D, et al. **Biochim Biophys Acta** 414(1):20–9, 18 Nov 75

Comparison of the effect of various methods of dissociation on the protein composition of rat liver ribosomal subunits. Hanna N, et al. **Can J Biochem** 53(9):935–42, Sep 75

Characterization of yeast ribosomal DNA. ketèl J, et al. **Eur J Biochem** 58(1):51–7, 1 Oct 75

The primary structure of the 5S RNA binding protein L18 from Escherichia coli ribosomes. Brosius J, et al. **FEBS Lett** 56(2):359–61, 15 Aug 75

Mammalian mitochondrial ribosomes:characterization of ribosomal proteins by two-dimensional gel electrophoresis. Czempiel W, et al. **FEBS Lett** 62(3):259–62, 1 Mar 76

On the stoichiometry of proteins in the small ribosomal subunit of hepatoma ascites cells. Westermann P, et al. **FEBS Lett** 62(2):132–5, 15 Feb 76

The primary structure of the 5s rRNA binding protein L25 of Escherichia coli ribosomes. Bitar KG, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1343–52, Sep 75

Membrane-bound ribosomes of myeloma cells. I. Preparation of free and membrane-bound ribosomal fractions. Assessment of the methods and properties of the ribosomes. Mechler B, et al. **J Cell Biol** 67(1):1–15, Oct 75

Free ribosomal DNA molecules from Tetrahymena pyriformis GL are giant palindromes. Engberg J, et al. **J Mol Biol** 104(2):455–70, 25 Jun 76

Studies of 30 S Escherichia coli ribosome reassembly using individual proteins labeled with an environmentally sensitive fluorescent prode. Huang KH, et al. **J Mol Biol** 97(4):423–41, 5 Oct 75

The macronuclear ribosomal DNA of Tetrahymena pyriformis is a palindrome. Karrer KM, et al. **J Mol Biol** 104(2):421–53, 25 Jun 76

A neutron scattering study of the distribution of protein and RNA in the 30 S ribosomal subunit of Escherichia coli. Moore PB, et al. **J Mol Biol** 91(1):101–20, 5 Jan 75

Studies on the primary structure of 14 proteins from the large subunit of Escherichia coli ribosomes with an improved protein sequenator and with mass spectrometry. Wittmann-Liebold B, et al. **J Supramol Struct** 3(5–6):426–47, 1975

The comparison of rat liver rough endoplasmic reticulum membrane proteins before and after in vitro removal of its bound ribosomes. Czosnek HH, et al. **Mol Biol Rep** 2(2):113–8, Jul 75

Topographical analysis of yeast ribosomal DNA by cleavage with restriction endonucleases. Meyerink JH, et al. **Mol Biol Rep** 2(5):393–400, Apr 76

The variable location of phosphoproteins on eukaryotic ribosomal subunits. Rankine AD, et al. **Mol Biol Rep** 2(6):525–8, Jul 76

Polypeptides isolated from ribosome-like structures occluded in avian myeloblastosis virus (AMV). Michlová A, et al. **Neoplasma** 22(2):123–32, 1975

The conformation of 16S RNA in the 30S ribosomal subunit from Escherichia coli. Milner JJ, et al. **Nucleic Acids Res** 3(3):789–808, Mar 76

The ribosomes of the Novikoff tumor cells: isolation, general properties and electrophoretic analysis of the protein moiety. Knopf UC. **Oncology** 32(5–6):302–10, 1975

Nonribosomal proteins associated with eukaryotic native small ribosomal subunits. Freienstein C, et al. **Proc Natl Acad Sci USA** 72(9):3392–6, Sep 75

Isolation and characterization of two acidic proteins of 60s ribosomes from Artemia salina cysts. Möller W, et al. **Proc Natl Acad Sci USA** 72(12):4774–8, Dec 75

Isolation procedures and partial characterization of mitochondrial ribosomes from Yoshida ascites hepatoma A.H. 130 cells. Montalvo A, et al. **Rev Esp Fisiol** 31(3):197–200, Sep 75

[Isopycnic centrifugation in metrizanide gradient of ribosomal ribonucleoprotein precursor particles] Auger MA, et al. **C R Acad Sci [D] (Paris)** 282(21):1889–92, 31 May 76 (Eng. Abstr.) **(Fre)**

[Comparative analysis of protein molecules composing ribosomes of rapidly growing Mycobacterium] Kawaguchi K, et al. **Jpn J Bacteriol** 30(1):94, Jan 75 **(Jpn)**

[Analysis of ribosomal proteins and ribosomal subunits of pea seeds by electrophoresis in polyacrylamide gel] Chumikina PV, et al. **Biokhimiia** 40(2):267–75, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibition of ribosomal A site functions by sporangiomycin and micrococcin. Cundliffe E, et al. **Antimicrob Agents Chemother** 8(1):1–4, Jul 75

Antibacterial action of primaquine: effects in vitro on polypeptide synthesis and in vivo on ribosomes and ribosomal ribonucleic acid. Olenick JG. **Antimicrob Agents Chemother** 8(6):754–6, Dec 75

Altered ribosomes in antibiotic-resistant mutants of Mycobacterium smegmatis. Yamada T, et al. **Antimicrob Agents Chemother** 9(5):817–23, May 76

Enzymic iodination of eukaryotic ribosomal subunits. Characterization and analysis by two-dimensional gel electrophoresis. Leader DP. **Biochem J** 29(2):373–8, Nov 74

Relationship between elongation factor I- and elongation factor II- dependent guanosine triphosphatase activities of ribosomes. Inhibition of both activities by ricin. Sperti S, et al. **Biochem J** 148(3):447–51, Jun 75

Yeast ribosomal sensitivity and resistance to the Amaryllidaceae alkaloids. Jimenez A, et al. **FEBS Lett** 60(1):66–70, 1 Dec 75

Effect of antibacterial inhibitors on protein synthesis in isolated flight muscle mitochondria of the blowfly Lucilia cuprina: phylogenetic implications. Williams KL, et al. **FEBS Lett** 66(1):120–3, 1 Jul 76

Salt response of ribosomes of a moderately halophilic bacterium. Wydro R, et al. **FEBS Lett** 60(1):210–5, 1 Dec 75

Quinacrine (atebrin): interactions with RNA and with ribosomes. Krey AK, et al. **Naturwissenschaften** 62(2):99–100, Feb 75

Effect of Ginseng extract on endoplasmic reticulum and ribosome. Oura H, et al. **Planta Med** 28(1):76–88, Aug 75

Comparative aspects of the action of chloramphenicol and thiamphenicol on bacterial ribosomes. Remmer H, et al. **Postgrad Med J** 50 Suppl 5:50–3, Oct 74

[The action of insulin on ribonucleic acid metabolism (author's transl)] Tragl KH. **Wien Klin Wochenschr** 87(11):361–3, 30 May?75 (Eng. Abstr.) **(Ger)**

[Action of acriflavine on the structure of the kinetoplast and its ribosomes in Crithidia oncopelti] Shirshov AT, et al. **Izv Akad Nauk SSSR [Biol]** (5):759–65, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Specific chemical modification of ribosomes in the vicinity of their mRNA-binding center] Budker VG, et al. **Mol Biol (Mosk)** 10(2):340–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Studies of the ribosome-associated vitamin B12S adenosylating enzyme of Lactobacillus leichmannii. Ohta H, et al. **Arch Biochem Biophys** 174(2):713–25, Jun 75

Comparison of free and ribosome-bound phenylalanyl-tRNA synthetase from rabbit reticulocytes. Tanaka WK, et al. **Arch Biochem Biophys** 172(1):252–60, Jan 76

Ribosome bound RNA-dependent RNA polymerase: changes in total and specific activity during maturation of avian erythrocytes. Boyd CD, et al. **Biochem Biophys Res Commun** 67(3):1210–8, 1 Dec 75

In vivo and in vitro phosphorylation of ribosomal proteins by protein kinases from Saccharomyces cerevisiae. Becker-Ursic D, et al. **Biochemistry** 15(11):2289–96, 1 Jun 76

Role of ribosomal RNA methylases in the regulation of ribosome production in mammalian cells. Liau MC, et al. **Biochemistry** 15(14):3158–64, 13 Jul 76

A ribosome-independent, soluble stringent factor-like enzyme isolated from a Bacillus brevis. Sy J. **Biochemistry** 15(3):606–9, 10 Feb 76

Substrate specificity of ribosomal peptidyltransferase. Effect of modification in the heterocyclic, carbohydrate and amino acid moiety of 2'(3')-O-L-phenylalanyladenosine. Zemlička J, et al. **Biochemistry** 14(24):5239–49, 2 Dec 75

ATPase and GTPase activities associated with the 5-S RNA-protein complex of Escherichia coli ribosomes. Gaunt-Klöpfer M, et al. **Biochim Biophys Acta** 390(2):226–30, 1 May 75

A plasmocytoma ribosome-associated protein kinase which phosphorylates a specific protein of the ribosomal KCl wash. Quirin-Stricker C, et al. **Eur J Biochem** 62(1):199–209, 2 Feb 76

Effect of cytidine-5'-monophosphate on peptidyl transferase activity. Cerná J. **FEBS Lett** 58(1):94–8, 15 Oct 75

The study of the stimulating mechanism of the peptidyl donor activity of

2'(3')-O-(N-formylmethionyl)-adenosine-5'-phosphate in peptidyl transferase of E. coli ribosome. Krayevsky AA, et al. **FEBS Lett** 62(1):101-4, 1 Feb 76

Proceedings: Study of the peptidyl-transferase center of Escherichia coli ribosomes by photo-affinity labeling. Sonenberg N, et al. **Isr J Med Sci** 11(11):1196, Nov 75

Fluorescent 2'(3')-O-aminoacylnucleosides-acceptor substrates for ribosomal peptidyltransferase+. Chládek S, et al. **Nucleic Acids Res** 3(5):1215-24, May 76

Synthesis of certain puromycin analogues and their use in studying the peptidyl synthetase enzyme of e. coli and rat liver ribosomes. Ariatti M, et al. **S Afr J Med Sci** 40(4):197-203, 1975

IMMUNOLOGY

Studies on proteins of animal ribosomes. XVIII. Reaction of ribosomes and ribosomal proteins with antibodies against ribosomal proteins. Noll F, et al. **Acta Biol Med Ger** 33(5-6):547-53, 1974

Gonococcal ribosomes as skin test antigens. II. Precision Of the Method, Attempts To Identify The Ribosomal Antigen, and Correlation with The Macrophage Migration Inhibition test. Judd RC, et al. **Br J Vener Dis** 52(1):28-32, Feb 76

Gonococcal ribosomes as skin test antigens. I. Preliminary tests of sensitivity and specificity. Koostra WL, et al. **Br J Vener Dis** 52(1):24-7, Feb 76

Factors affecting the immunizing activity of ribosomal fractions isolated from Mycobacterium tuberculosis var. bovis strain BCG. Portelance V, et al. **Can J Microbiol** 21(10):1492-9, Oct 75

Ultrastructural localization and characterization of a ribosomal antibody detected by immunofluorescence in systemic lupus erythematosus. Bianchi FB, et al. **Clin Exp Immunol** 17(4):629-36, Aug 74

Ribosomal antibodies detected by immunofluorescence in systemic lupus erythematosus and other collagenoses. Homberg JC, et al. **Clin Exp Immunol** 17(4):617-28, Aug 74

Ribosomal antibodies detected by immunofluorescence in systemic lupus erythematosus and other collagenoses. Homberg JC, et al. **Clin Exp Immunol** 17(4):617-28, Aug 74

The immunological properties of Brucella ribosomal preparations. Corbel MJ. **Dev Biol Stand** 31:115-22, 1976

Immunity induced by bacterial ribosomes. pp. 393-6. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.**

Evidence for O antigens as the antigenic determinants in 'ribosomal' vaccines prepared from Salmonella. Eisenstein TK. **Infect Immun** 12(2):364-77, Aug 75

Evidence for an extrinsic immunogen in effective ribosomal vaccines from Salmonella typhimurium. Hoops P, et al. **Infect Immun** 13(4):1184-92, Apr 76

The immunogenic activity of ribosomal fractions derived from Brucella abortus. Corbel MJ. **J Hyg (Camb)** 76(1):65-74, Feb 76

Suppression of mouse ependymoma growth after immunization with tumor ribosomal complexes. Lo JS, et al. **Oncology** 30(6):467-74, 1974

[Immunologic capacity of ribosomal fractions prepared from Salmonella schottmuelleri and Salmonella typhimurium] Kita E, et al. **Jpn J Bacteriol** 30(1):254, Jan 75 **(Jpn)**

[Immunity induced with ribosomal fractions obtained from S. typhi T and 2 against different strains of S. typhi] Molinari JL, et al. **Rev Lat Am Microbiol** 17(3):150-6, Jul-Sep 75 (Eng. Abstr.) **(Spa)**

METABOLISM

The effect of unilateral nephrectomy on the activity of ribosomes in the remaining kidney. Kuliszewski M, et al. **Acta Biochim Pol** 23(1):27-36, 1976

Ribosomes and biosynthesis of proteins. Concluding remarks. Arnstein HR. **Acta Biol Med Ger** 33(5-6):979-80, 1974

The activity of cytosolic fraction and ribosomes of different tissues in cell-free protein synthesis. Bielka H, et al. **Acta Biol Med Ger** 33(5-6):827-32, 1974

Ribosome-membrane interaction. Blobel G. **Acta Biol Med Ger** 33(5-6):711-3, 1974 (22 ref.)

Binding of aminoacyl tRNA to ribosomes: a function of 5S-RNA. Erdmann VA, et al. **Acta Biol Med Ger** 33(5-6):605-8, 1974

Ion binding and ribosomal conformation and function. Experiments with the K+ analogue, T1+. Hultin T, et al. **Acta Biol Med Ger** 33(5-6):753-60, 1974

Peptide-chain initiation activity of yeast ribosomal wash fraction. Junosza-Wolska B, et al. **Acta Biol Med Ger** 33(5-6):899-903, 1974

Pyrimidine rich surface of ribosomes. Lind A, et al. **Acta Biol Med Ger** 33(5-6):715-24, 1974

The biological function of the TpPsipCpGp loop (loop IV) of tRNAs in various ribosome-dependent reactions. Richter D, et al. **Acta Biol Med Ger** 33(5-6):609-11, 1974

Neurogenic control of muscle ribosomal protein synthesis. Ionasescu V, et al. **Acta Neurol Scand** 51(4):253-67, Apr 75

A rapid and sensitive method for studying the binding of ribonucleotide polymers to mammalian ribosomal subunits. Lim L. **Anal Biochem** 69(1):222-32, Nov 75

A rapid and accurate procedure for assaying DNA polymerase, RNA polymerase, or ribosome dependent protein synthesis. Weinstein BI, et al. **Anal Biochem** 68(1):62-9, Sep 75

Genetic and biochemical characterization of a ribosomal mutant of Bacillus subtilis resistant to sporangiomycin. Bazzicalupo M, et al. **Antimicrob Agents Chemother** 8(6):651-6, Dec 75

Binding of N-substituted erythromycyclamines to ribosomes. Vince R, et al. **Antimicrob Agents Chemother** 9(1):131-6, Jan 76

Binding of thiostrepton to ribosomes from thiostrepton-sensitive and -resistant Bacillus subtilis strains. Vince R, et al. **Antimicrob Agents Chemother** 9(4):665-7, Apr 76

Hemoglobin transition in erythrocytes of developing chick. Studies with cell-free protein-synthesizing systems. Henderson AB, et al. **Arch Biochem Biophys** 174(2):637-46, Jun 75

Conformation and activity of subspecies of 30 S ribosomes from Escherichia coli. Hermoso JM, et al. **Arch Biochem Biophys** 175(1):181-4, Jul 76

ATP requirement for binding of 125I-labeled globin mRNA to Artemia salina ribosomes. Kramer G, et al. **Arch Biochem Biophys** 174(1):355-8, May 76

The effect of age on protein synthesis and ribosome aggregation to messenger RNA in rat liver. Layman DK, et al. **Arch Biochem Biophys** 173(1):246-54, Mar 76

Partial purification and characterization of a binding factor specific for initiator tRNA and ribosomal 40S subunits and of an aminoacyl-tRNA hydrolase specific for 40S-bound Met-tRNAf from rat liver. McCuiston J, et al. **Arch Biochem Biophys** 172(2):387-98, Feb 76

Temperature sensitivity of protein synthesis initiation in reticulocyte cell-free systems. A ribosomal factor which protects protein synthesis inactivation at elevated temperatures. Mizuno S. **Arch Biochem Biophys** 173(2):703-9, Apr 76

Temperature sensitivity of initiation of protein synthesis in wheat germ cell-free extracts: conversion to temperature insensitivity by the ribosomal wash fraction from rabbit reticulocytes. Zehavi-Willner T, et al. **Arch Biochem Biophys** 172(2):706-14, Feb 76

Effect of development of Artemia salina embryos on Poly(U) translation by isolated ribosomal subunits. Snoeks A, et al. **Arch Int Physiol Biochim** 83(5):1000-1, Dec 75

Functional 70S hybrid ribosomes from blue-green algae and bacteria. Gray JE, et al. **Arch Microbiol** 109(1-2):95-9, Aug 76

Defective 30S ribosomal particles in a polyamine auxotroph of Escherichia coli. Echandi G, et al. **Biochem Biophys Res Commun** 67(3):1185-91, 1 Dec 75

Biological activity of in vitro synthesised protein: binding of Semliki Forest virus capsid protein to the large ribosomal subunit. Glanville N, et al. **Biochem Biophys Res Commun** 71(1):393-9, 12 Jul 76

Preferential effect of oestradiol 17 beta in vivo on the protein synthetic activity of uterine membrane-bound ribosomes. Khawaja JA. **Biochem Biophys Res Commun** 71(1):249-56, 12 Jul 76

Extracellular ribosomes during metamorphosis of the blowfly Calliphora vicina R. D. — A. reappraisal of their authenticity. Levenbook L, et al. **Biochem Biophys Res Commun** 70(1):15-21, 3 May 76

Dual actions of viomycin on the ribosomal functions. Liou YF, et al. **Biochem Biophys Res Commun** 71(2):477-83, 26 Jul 76

Impaired initiation complex formation on ribosomes treated with colicin E3. Tai P. **Biochem Biophys Res Commun** 67(4):1466-72, 15 Dec 75

Temperature dependence for physical and functional reconstitution of 30S ribosomes of E. coli. Wireman JW, et al. **Biochem Biophys Res Commun** 66(2):570-7, 16 Sep 75

Gene action in fish of tetraploid origin. III. Ribosomal DNA amount in cyprinid fish. Schmidtke J, et al. **Biochem Genet** 14(1-2):19-26, Feb 76

Gene action in fish of tetraploid origin. IV. Ribosomal DNA amount in clupeoid and salmonoid fish. Schmidtke J, et al. **Biochem Genet** 14(3-4):293-7, Apr 76

Regulatory state of ribosomal genes and physiological changes in the concentration of free ribonucleic acid polymerase in Escherichia coli. Bremer H, et al. **Biochem J** 150(1):9-12, Jul 75

Prevention, by ribosome-bound nascent polyphenylalanine chains, of the functional interaction of t-2 toxin with its receptor site. Cannon M, et al. **Biochem J** 156(2):289-94, 15 May 76

Metabolic regulation of beta-galactosidase synthesis in Escherichia coli. A test for constitutive ribosome synthesis. Dalbow DG, et al. **Biochem J** 150(1):1-8, Jul 75

Ribosome function in livers of porphyric mice. Del Favero A, et al. **Biochem J** 150(3):573-6, Sep 75

Synthesis of thiol-containing analogues of puromycin and a study of their interaction with N-acetylphenylalanyl-transfer ribonucleic acid on ribosomes to form thioesters. Gooch J, et al. **Biochem J** 149(1):209-20, Jul 75

An unusual precursor of 50S ribosomes in a mutant of Escherichia coli. Markey F, et al. **Biochem J** 154(2):311-8, 15 Feb 76

Effect of elongation factor 2 and of adenosine diphosphate-ribosylated elongation factor 2 on translocation. Montanaro L, et al. **Biochem J** 156(1):15-23, 15 Apr 76

The binding of aminoacyl-transfer ribonucleic acid to wheat ribosomes. Allende JE, et al. **Biochem Soc Symp** (38):77-96, 1973

Isolation and characterization of chloroplast 70S and of 80S ribosomes from Chlamydomonas reinhardii: protein synthesis in vitro. Chua NH, et al. **Biochem Soc Symp** (38):163-74, 1973

Properties of tRNA species modified in the 3'-terminal ribose moiety in an eukaryotic ribosomal system. Baksht E, et al. **Biochemistry** 15(16):3639-46, 10 Aug 76

Terbium binding to ribosomes and ribosomal RNA. Barela TD, et al. **Biochemistry** 14(22):4887-92, 4 Nov 75

Mechanims of stimulation of in vitro protein synthesis by some copolymers of styrene, vinyluracil, and vinyladenine with maleic acid and acrylic acid. Boguslawski S, et al. **Biochemistry** 15(16):3536-40, 10 Aug 76

Synthesis of guanosine 5'-di- and -triphosphate derivatives with modified terminal phosphates: effect on ribosome-elongation factor G-dependent reactions. Eckstein F, et al. **Biochemistry** 14(23):5225-32, 18 Nov 75

Nepsilon-acetyllysine transfer ribonucleic acid: a biologically active analogue of aminoacyl transfer ribonucleic acids. Johnson AE, et al. **Biochemistry** 15(3):569-75, 10 Feb 76

Analysis of the two steps in polypeptide chain initiation inhibited by pactamycin. Kappen LS, et al. **Biochemistry** 15(4):811-8, 24 Feb 76

Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. I. In vitro studies of the 30S and 70S ribosomal-tRNA complex. Petersen HU, et al. **Biochemistry** 15(7):1357-62, 6 Apr 76

Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. II. A two-state model for the 70S ribosome. Petersen HU, et al. **Biochemistry** 15(7):1362-9, 6 Apr 76

The role of 16S rRNA in ribosomal binding of IF-3. Pon CL, et al. **Biochemistry** 15(4):804-11, 24 Feb 76

Escherichia coli stringent factor binds to ribosomes at a site different from that of elongation factor Tu or G. Richter D, et al. **Biochemistry** 14(20):4414-20, 7 Oct 75

Enzymatic binding of aminoacyl transfer ribonucleic acid to ribosomes: the study of binding sites of 2' and 3' isomers of aminoacyl transfer ribonucleic acid. Ringer D, et al. **Biochemistry** 15(13):2759-65, 29 Jun 76

Studies on native ribosomal subunits from rat liver. Evidence for activities associated with native 40S subunits that affect the interaction with acetylphenylalanyl-tRNA, methionyl-tRNAf, and 60S subunits. Sadnik I, et al. **Biochemistry** 14(24):5328-35, 2 Dec 75

Photoaffinity labeling of the ribosomal A site with S-(p-azidophenacyl)valyl-tRNA. Schwartz I, et al. **Biochemistry** 14(13):2907-14, Jul 75

Codon-dependent rearrangement of the three-dimensional structure of phenylalanine tRNA, exposing the T-psi-C-G sequence for binding to the 50S ribosomal subunit. Schwarz U, et al. **Biochemistry** 15(11):2484-90, 1 Jun 76

Regions of tRNA important for binding to the ribosomal A and P sites. Sprinzl M, et al. **Biochemistry** 15(14):3031-9, 13 Jul 76

Lesions in the ribosomes of non-viable pea (Pisum arvense) embryonic axis tissue. Bray CM, et al. **Biochim Biophys Acta** 442(1):14-23, 2 Aug 76

Ribosomal cistrons in higher plant cells. I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus L. cells. Cecchini JP, et al. **Biochim Biophys Acta** 418(1):104-16, 5 Jan 76

Intraction of aminoacyl-tRNA synthetases with ribosomes and ribosomal subunits. Graf H. **Biochim Biophys Acta** 425(2):175-84, 4 Mar 76

Effects of anions on the structure and functions of mammalian ribosomes. Hultin T, et al. **Biochim Biophys Acta** 402(2):199-205, 21 Aug 75

Subcellular distribution and functional properties of different forms of elongation fractor EF1 from wheat embryos. Lanzani GA, et al. **Biochim Biophys Acta** 407(4):449-58, 4 Nov 75

Effect of viomycin on dihydrostreptomycin binding to bacterial ribosomes. Masuda K, et al. **Biochim Biophys Acta** 435(4):333-9, 16 Jul 76

Ribosomal cistrons in higher plant cells. II. Sequence homology between the two mature rRNAs of sycamore cells and intracistronic reiteration. A DNA - rRNA hybridization study. Miassod R, et al. **Biochim Biophys Acta** 418(1):117-31, 5 Jan 76

Temperature sensitivity of protein synthesis initiation in the reticulocyte lysate system. Reduced formation of the 40 S ribosomal subunit - Met-tRNAf complex at an elevated temperature. Mizuno S. **Biochim Biophys Acta** 414(3):273-82, 19 Dec 75

Ribosome run through of the termination codon in the absence of the ribosome releasing factor. Ogawa K, et al. **Biochim Biophys Acta** 402(3):288-96, 1 Sep 75

Enzymatic properties of cloacin DF13 and kinetics of ribosome inactivation. Oudega B, et al. **Biochim Biophys Acta** 425(3):296-304, 17 Mar 76

Activity of stringent protein in ribosomes of Escherichia coli during the growth cycle. Ramagopal S. **Biochim Biophys Acta** 435(2):128-31, 18 Jun 76

Activities of nucleoprotein particles derived from rat liver ribosome. Reyes R, et al. **Biochim Biophys Acta** 435(4):317-32, 16 Jul 76

Distribution of membrane-bound and free ribosomes in growing yeast. Schneider E, et al. **Biochim Biophys Acta** 432(1):92-7, 15 Apr 76

Phosphorylation of ribosomal proteins from eukaryotes in homologous and heterogous cell-free systems. Vassileva

Grancharova T, et al. **Biochim Biophys Acta** 418(3):397–403, 5 Feb 76

Affinity labeling of the ribonucleic acid component adjacent to the peptidyl recognition center of peptidyl transferase in Escherichia coli ribosomes. Yukioka M, et al. **Biochim Biophys Acta** 390(2):192–208, 1 May 75

Pressure–jump relaxation studies of the association—dissociation reaction of E. coli ribosomes. Schulz E, et al. **Biophys Chem** 4(3):253–7, May 76

Protein binding and subunit association activity in particles reconstituted from Escherichia coli MRE600 50S ribosomal components. Chu FK, et al. **Can J Biochem** 54(5):470–6, May 76

The role of membrane proteins and phospholipids in the interaction of ribosomes with endoplasmic reticulum membranes. Jothy S, et al. **Can J Biochem** 53(9):1039–45, Sep 75

Ribosome binding to reovirus mRNA in protein synthesis requires 5' terminal 7–methylguanosine. Both GW, et al. **Cell** 6(2):185–95, Oct 75

Ribosomes from Xenopus laevis eggs and embryos in a cell–free protein–synthesizing system: translational regulation. Van der Saag T, et al. **Cell Differ** 4(6):385–97, Mar 76

fMet–tRNA F Met binding and peptidyl transferase function in free and bound ribosomes from normal and puromycin aminonucleoside–treated rats. Innanen VT, et al. **Chem Biol Interact** 11(5):431–9, Nov 75

Circular ribosomal DNA and ribosomal DNA: replication in somatic amphibian cells. Rochaix JD, et al. **Chromosoma** 52(4):317–27, 11 Nov 75

The ribosomes of the simian malaria Plasmodium knowlesi—II. A cell–free protein synthesizing system. Sherman IW. **Comp Biochem Physiol [B]** 53(4):447–50, 1976

Turnover of chloroplast and cytoplasmic ribosomes during gametogenesis in Chlamydomonas reinhardi. Martin NC, et al. **Dev Biol** 51(2):190–201, 15 Jul 76

On the mechanism of protein–synthesis inhibition by abrin and ricin. Inhibition of the GTP–hydrolysis site on the 60–S ribosomal subunit. Benson S, et al. **Eur J Biochem** 59(2):573–80, 15 Nov 75

Effects of ricin on the ribosomal sites involved in the interaction of the elongation factors. Carrasco L, et al. **Eur J Biochem** 54(2):499–503, Jun 75

Protective effect of elongation factor 2 on the inactivation of ribosomes by the toxic lectins abrin and ricin. Fernandez–Puentes C, et al. **Eur J Biochem** 64(2):437–43, 1 May 76

A study of codon–dependent binding of aminoacyl–tRNA with the ribosomal 30–S subparticle of Escherichia coli. Determination of the active–particle fraction and binding constants in different media. Glukhova MA, et al. **Eur J Biochem** 52(1):197–202, 3 Mar 75

GTP degradation to guanine catalyzed by ribosomal subunits and microsomal–wash factors. Grummt R, et al. **Eur J Biochem** 57(2):579–85, 15 Sep 75

Processing of the 17–S Escherichia coli precursor RNA in the 27–S pre–ribosomal particle. Hayes F, et al. **Eur J Biochem** 61(2):433–42, 15 Jan 76

The mode of action of pleuromutilin derivatives. Location and properties of the pleuromutilin binding site on Escherichia coli ribosomes. Högenauer G. **Eur J Biochem** 52(1):93–8, 3 Mar 75

Quantitative binding of antibiotics to ribosomes from a yeast mutant altered on the peptidyl–transferase center. Jimenez A, et al. **Eur J Biochem** 54(2):483–92, Jun 75

Paromomycin and dihydrostreptomycin binding to Escherichia coli ribosomes. Lando D, et al. **Eur J Biochem** 66(3):597–606, 15 Jul 76

Reaction of N–(3–pyrene)maleimide with thiol groups of reticulocyte ribosomes. Lee T, et al. **Eur J Biochem** 66(1):105–14, 15 Jun 76

A protein factor enhancing activation of inactive 30–S ribosomal subunits of Escherichia coli. Miskin R. **Eur J Biochem** 66(1):57–64, 15 Jun 76

The joining of the 30–S initiation complex with the 50–S subunit, the main target for thiostrepton. Naaktgeboren N, et al. **Eur J Biochem** 57(2):493–51, 15 Sep 75

The binding of tritiated elongation–factors 1 and 2 to ribosomes from Krebs II mouse ascites–tumore cells. The influence of various antibiotics and toxins. Nolan RD, et al. **Eur J Biochem** 64(1):69–75, 15 Apr 76

Requirement for ribosome–releasing factor for the release of ribosomes at the termination codon. Ogawa K, et al. **Eur J Biochem** 58(2):411–9, 15 Oct 75

Ribosome inactivation by the toxic lectins abrin and ricin. Kinetics of the enzymic activity of the toxin A–chains. Olsnes S, et al. **Eur J Biochem** 60(1):281–8, 1 Dec 75

Initiation of protein synthesis in Ehrlich ascites tumour cells. Evidence for physiological variation in the association of methionyl–tRNAf with native 40–S ribosomal subunits in vivo. Pain VM, et al. **Eur J Biochem** 57(2):335–42, 15 Sep 75

The interaction of fusidic acid with peptidyl–transfer–ribonucleic–acid – ribosome complexes. San Millan MJ, et al. **Eur J Biochem** 57(2):431–40, 15 Sep 75

Chemical inactivation of Escherichia coli 30–S ribosomes by iodination. Identification of proteins involved in tRNA binding. Shimizu M, et al. **Eur J Biochem** 61(1):307–15, 2 Jan 76

The binding of Met–tRNAf to isolated 40–S ribosomal subunits and the formation of Met–tRNAf – 80–S–ribosome initiation complexes. Smith KE, et al. **Eur J Biochem** 62(2):243–55, 16 Feb 76

Recognition of initiation codons in modified f2 RNA by Escherichia coli ribosomes. Szkopińska A, et al. **Eur J Biochem** 60(1):289–94, 1 Dec 75

Pools of ribosomal proteins in Escherichia coli. Studies on the exchange of proteins between pools and ribosomes. Ulbrich B, et al. **Eur J Biochem** 57(1):49–54, 1 Sep 75

Structure, function and evolution of ribosomes. Wittmann HG. **Eur J Biochem** 61(1):1–13, 2 Jan 76

The importance of membrane–bound ribosomes during the activation of thymocytes by concanavalin A. Wettenhall RE, et al. **Exp Cell Res** 99(1):189–93, Apr 76

Dependency on the source of supernatant factors for optimal 14C–polyphenylalanine synthesis by high–salt wash treated liver ribosomal subunits in rats of different ages. Comolli R, et al. **Exp Gerontol** 11(1–2):5–10, 1976

Protein synthesis by ribosomes from normal and denervated red and white muscle. Pluskal MG, et al. **Exp Neurol** 51(3):574–8, Jun 76

Photoaffinity labelling of 23 S RNA at the donor–site of the Escherichia coli ribosome. Barta A, et al. **FEBS Lett** 56(1):170–4, 1 Aug 75

Differential recognition of chloroplast and cytoplasmic messenger RNA by 70S and 80S ribosomal systems. Bottomley W, et al. **FEBS Lett** 63(1):120–4, 15 Mar 76

Proteins at the mRNA binding site of the Escherichia coli ribosome. Fiser I, et al. **FEBS Lett** 56(2):226–9, 15 Aug 75

Association of ribosomal subunits: studies on the binding of polyamines to 30S and 50S particles. Garcia–Patrone M, et al. **FEBS Lett** 66(1):39–43, 1 Jul 76

Regulation of enzyme synthesis in vitro by a factor bound to ribosomes. Hirth KP, et al. **FEBS Lett** 66(1):58–9, 1 Jul 76

Stepwise tRNA recognition mechanism and its kinetic consequences. Knorre DG. **FEBS Lett** 58(1):50–2, 15 Oct 75

Membrane–ribosome interactions: artefacts resulting from the temperature–dependent formation of ribosomal aggregates. McIntosh PR, et al. **FEBS Lett** 60(1):190–6, 1 Dec 75

Evidence that the temperature–dependent association of ribosomes with smooth microsomes determined by centrifugal separation may be an artefact. McIntosh PR, et al. **FEBS Lett** 60(2):404–9, 15 Dec 75

The degradation of rRNA in ribosomes by ribonucleases present in rat liver sub–cellular fractions. McIntosh PR, et al. **FEBS Lett** 60(2):349–53, 15 Dec 75

Ribosomal translocation promoted by guanylylimido diphosphate and guanylyl–methylene diphosphonate. Modolell J, et al. **FEBS Lett** 60(1):109–13, 1 Dec 75

Recessive nonsense–suppression in yeast: further characterization of a defect in translation. Smirnov VN, et al. **FEBS Lett** 66(1):12–5, 1 Jul 76

Formation of a protein initiation complex on E. coli ribosomes directed by a eukaryotic virus RNA. Thibault J, et al. **FEBS Lett** 61(2):203–8, 15 Jan 76

Estradiol–induced enhancement of the processing of the 32S ribosomal precursor in rooster liver. Van Den Berg JA, et al. **FEBS Lett** 63(1):65–70, 15 Mar 76

New aspects of the IF3–ribosome interaction. Van Duin J, et al. **FEBS Lett** 62(2):111–4, 15 Feb 76

Ethanol and brain ribosomes. Noble EP, et al. **Fed Proc** 34(10):1942, Sep 75 (31 ref.)

Studies on the binding of N–bromoacetylpuromycin and N–bromoacetylaminonucleoside to rat liver ribosomes. Minks MA, et al. **Hoppe Seylers Z Physiol Chem** 356(2):109–18, Feb 75

Synthesis of a chemically reactive analog of the nonsense codon U–G–A. Its reaction with ribosomes of Escherichia coli. Pongs O, et al. **Hoppe Seylers Z Physiol Chem** 356(8):1297–304, Aug 75

Effect of food deprivation and hypophysectomy on in vitro protein synthesis by membrain–bound and free hepatic ribosomes. Alford FP, et al. **Horm Metab Res** 8(2):118–22, Mar 76

Protein synthesis in the perfused liver: comparative evaluation of the influence of amino acid supply on ribosomal activity of intact and isolated perfused rat liver. pp. 191–217. Enwonwu CO.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

Association of mengovirus proteins with host cell native 40S ribosomal subunits. pp. 387–95. Manak MM, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Genes for proteins of chloroplast ribosomes and the evolution of eukaryotic genomes. pp. 111–27. Bogorad L, et al.
In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Transcription and its regulation at the ribosomal level in prokaryotic systems. pp. 5–20. Gros F, et al.
In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975. (21 ref.)

Membrane–bound ribosomes in chloroplasts. Possible role in membrane biosynthesis. pp. 53–60. Michaels A, et al.
In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Differentiation and the evolutionary persistence of semi–autonomous organelles. pp. 69–72. Morpurgo G.
In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Effects of insulin and denervation on ribosome function in muscle. pp. 439–52. Manchester KL.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Influence of growth rate on protein synthesis and distribution of ribosomes in HeLa cells. Daskal I, et al. **In Vitro** 11(6):338–46, Nov–Dec 75

Changes in ribosomes during development of chick embryo. Rao UV, et al. **Indian J Biochem Biophys** 12(3):273–9, Sep 75

Proceedings: Interaction between eukaryote ribosomes and nonacylated tRNA. Baksht E, et al. **Isr J Med Sci** 11(11):1196, Nov 75

Proceedings: A photo–affinity labeling agent for the ribosomal mRNA binding site. Keren–Zur M, et al. **Isr J Med Sci** 11(11):1196–7, Nov 75

Proceedings: A new parameter for the in vitro reconstitution of rough membranes. Shine T, et al. **Isr J Med Sci** 11(11):1197–8, Nov 75

The binding of kasugamycin to the Escherichia coli ribosomes. Okuyama A, et al. **J Antibiot (Tokyo)** 28(11):903–5, Nov 75

Association of messenger ribonucleic acid with 70S monosomes from down–shifted Escherichia coli. Jacobson LA, et al. **J Bacteriol** 127(1):637–43, Jul 76

Role of bacterial ribosome subunits in barotolerance. Smith W, et al. **J Bacteriol** 124(1):582–4, Oct 75

Proceedings: Role of reversible association of ribosomal subunits, of initiation factor IF3, and of formylation of Met–tRNAfMet in protein synthesis initiation. Grunberg–Manago M. **J Biochem (Tokyo)** 79(4):31P–32P, Apr 76

Synthesis of apoferritin in mouse peritoneal macrophages. Characterization of 20 S particles. Ohkuma S, et al. **J Biochem (Tokyo)** 79(6):1365–76, Jun 76

A temperature–sensitive mutation affecting the mammalian 60 S ribosome. Haralson MA, et al. **J Biol Chem** 250(22):8618–23, 25 Nov 75

The site of ribosome degradation in starved Escherichia coli cells. Kaplan R, et al. **J Biol Chem** 251(4):1147–53, 25 Feb 76

Characterization of ribosome–protected fragments from reovirus messenger RNA. Kozak M, et al. **J Biol Chem** 251(14):4259–66, 25 Jul 76

Binding interactions between radiolabeled Escherichia coli elongation factor G and the ribosome. Lin L, et al. **J Biol Chem** 251(6):1795–8, 25 Mar 76

The in vitro translation of a terminating signal by a single Escherichia coli ribosome. The fate of the subunits. Martin J, et al. **J Biol Chem** 250(20):8132–9, 25 Oct 75

Peptidyl transfer RNA dissociates during protein synthesis from ribosomes of Escherichia coli. Menninger JR. **J Biol Chem** 251(11):3392–8, 10 Jun 76

Mode of action of bottromycin A2. Release of aminoacyl– or peptidyl–tRNA from ribosomes. Otaka T, et al. **J Biol Chem** 251(8):2299–306, 25 Apr 76

Cytochrome c1 of bakers' yeast. II. Synthesis on cytoplasmic robosomes and influence of oxygen and heme on accumulation of the apoprotein. Ross E, et al. **J Biol Chem** 241(7):1997–2004, 10 Apr 76

Binding of Met–tRNAf to native 40 S ribosomal subunits in Ehrlich ascites tumor cells. Smith KE, et al. **J Biol Chem** 250(17):6880–4, 10 Sep 75

Specificity of bacterial ribosomes and messenger ribonucleic acids in protein synthesis reactions in vitro. Stallcup MR, et al. **J Biol Chem** 251(8):2499–510, 25 Apr 76

Transfer of proteins across membranes. I. Presence of proteolytically processed and unprocessed nascent immunoglobulin light chains on membrane–bound ribosomes of murine myeloma. Blobel G, et al. **J Cell Biol** 67(3):835–51, Dec 75

Membrane–bound ribosomes of myeloma cells. II. Kinetic studies on the entry of newly made ribosomal subunits into the free and the membrane–bound ribosomal particles. Mechler B, et al. **J Cell Biol** 67(1):16–24, Oct 75

Membrane–bound ribosomes of myeloma cells. III. The role of the messenger RNA and the nascent polypeptide chain in the binding of ribosomes to membranes. Mechler B, et al. **J Cell Biol** 67(1):25–37, Oct 75

Increasing content of poly A(+) mRNA of serum–stimulated cells in the absence of ribosome synthesis. Johnson LF, et al. **J Cell Physiol** 87(2):141–6, Dec 75

Effect of 5'–terminal structure and base composition on polyribonucleotide binding to ribosomes. Both GW, et al. **J Mol Biol** 104(3):637–58, 5 Jul 76

Affinity labeling of specific regions of 23 S RNA by reaction of N–bromoacetyl–phenylalanyl–transfer RNA with Escherichia coli ribosomes. Breitmeyer JB, et al. **J Mol Biol** 101(3):297–306, 5 Mar 76

Factor–free ('non–enzymic') and factor–dependent systems of translation of polyuridylic acid by Escherichia coli ribosomes. Gavrilova LP, et al. **J Mol Biol** 101(4):537–52, 15 Mar 76

Ribosomal DNA transcription products during the first steps of magnification in Drosophila melanogaster. Graziani F, et al. **J Mol Biol** 100(1):59–71, 5 Jan 76

Light–scattering studies showing the effect of initiation factors on the reversible dissociation of Escherichia coli ribosomes. Grunberg–Manago M, et al. **J Mol Biol** 94(3):461–78, 25 May 75

The transcriptional organization of the ribosomal RNA genes

in mouse L cells. Hackett PB, et al. **J Mol Biol** 91(3):235–56, 25 Jan 75

Ribosome assembly in HeLa cells: labeling pattern of ribosomal proteins by two-dimensional resolution. Kumar A, et al. **J Mol Biol** 94(3):409–23, 25 May 75

Late steps in the assembly of 30 S ribosomal proteins in vivo in a spectinomycin-resistant mutant of Escherichia coli. Nashimoto H, et al. **J Mol Biol** 96(3):443–53, 15 Aug 75

An excess of the small ribosomal subunits and a higher rate of turnover of the 60 S than of the 40 S ribosomal subunits in L cells grown in suspension culture. Nissen-Meyer J, et al. **J Mol Biol** 101(2):211–21, 25 Feb 76

The in vivo order of protein addition in the course of Escherichia coli 30 S and 50 S subunit biogenesis. Pichon J, et al. **J Mol Biol** 96(1):125–37, 25 Jul 75

Ribosome-protected regions in the leader-trpE sequence of Escherichia coli tryptophan operon messenger RNA. Platt T, et al. **J Mol Biol** 103(2):411–20, 15 May 76

The codon binding site of the Escherichia coli ribosome as studied with a chemically reactive A–U–G analog. Pongs O, et al. **J Mol Biol** 99(2):301–15, 5 Dec 75

Co-ordinate synthesis of ribosomes and elongation factors in the liver of immature chicks following a metabolic shift up. Smith RL, et al. **J Mol Biol** 100(2):115–26, 15 Jan 76

Contribution of the elongation factors to resistance of ribosomes against inhibitors: comparison of the inhibitor effects on the factor-free translation systems. Spirin AS, et al. **J Mol Biol** 101(4):553–62, 15 Mar 76

Structure and function of free 40 S ribosome subunits: Characterization of initiation factors. Sundkvist IC, et al. **J Mol Biol** 99(3):401–18, 15 Dec 75

Evidence for variable rates of ribosome movement in Escherichia coli. Talkad V, et al. **J Mol Biol** 104(1):299–303, 14 Jun 76

Unstable structure of ribosomal particles synthesized in gamma-irradiated Escherichia coli. Fujita H, et al. **J Radiat Res (Tokyo)** 16(2):113–9, Jun 75

Dihydrotestosterone and the initiation of protein synthesis by prostate ribosomes. Liang T, et al. **J Steroid Biochem** 6(5):549–50, May 75

Parameters affecting the rate of synthesis of ribosomes and RNA polymerase in bacteria. Bremer H. **J Theor Biol** 53(1):115–24, Sep 75

Lysosomal degradation of cell organelles. II. Ultrastructural analysis of uptake and digestion of intravenously injected microsomes and ribosomes by Kupffer cells. Glaumann H, et al. **Lab Invest** 33(3):252–61, Sep 75

Identification of the 30 S protein adjacent to peptidyl transferase catalytic center of Escherichia coli ribosomes. Hatayama T, et al. **Mol Biol Rep** 2(3):282–8, Oct 75

Antibiotics and compounds affecting tanslation by eukaryotic ribosomes. Specific enhancement of aminoacyl-tRNA binding by methylaxnthines. Carrasco L, et al. **Mol Cell Biochem** 10(2):97–122, 16 Feb 76 (74 ref.)

Phenotypic instability in a tif-1 Mutant of Escherichia coli. I. Impairment in ribosomal function. Ehrati-Elizur E, et al. **Mol Gen Genet** 147(1):59–65, 10 Aug 76

Identification of components of the streptomycin-binding center of E. coli MRE 600 ribosomes by photo-affinity labelling. Girshovich AS, et al. **Mol Gen Genet** 144(2):205–12, 22 Mar 76

Thiostrepton-resistant mutants of Bacillus subtilis: localization of resistance to the 50S subunit. Pestka S, et al. **Mol Gen Genet** 144(3):235–41, 30 Mar 76

Analysis of the ribosomes engaged in the synthesis of the outer membrane proteins of Escherichia coli. Randall LL, et al. **Mol Gen Genet** 137(2):151–60, 1975

Binding of erythromycin to the 50S ribosomal subunit is affected by alterations in the 30S ribosomal subunit. Saltzman L, et al. **Mol Gen Genet** 143(3):301–6, 2 Feb 76

A micrococcin-resistant mutant of Bacillus subtilis: localization of resistance to the 50s subunit. Smith I, et al. **Mol Gen Genet** 144(3):231–3, 30 Mar 76

Ribosome slowed by mutation to streptomycin resistance. Galas DJ, et al. **Nature** 262(5569):617–9, 12 Aug 76

Ribosome metabolism in temperature-sensitive mutant of BHK cells. Kumar A, et al. **Nature** 259(5545):692–4, 26 Feb 76

Intact 3' end of 16S rRNA is not required for specific mRNA binding. Ravetch JV, et al. **Nature** 262(5564):150–3, 8 Jul 76

Inhibition of the transition of a 40 S ribosome-Met-tRNA-i-Met complex to an 80 S ribosome-Met-tRNA-i-Met- complex by 7-Methylguanosine-5'-phosphate Roman R, et al. **Nature** 260(5549):359–60, 25 Mar 76

Specific release of ribosomal proteins by nucleic acid-intercalating agents. Ballesta JP, et al. **Nucleic Acids Res** 3(5):1307–22, May 76

Interactions between 30s ribosomal proteins and 50s subunits of Escherichia coli. Jenness D, et al. **Nucleic Acids Res** 3(1):1–10, Jan 76

Changes of ribosomal capacity for protein synthesis, contraction and histochemical properties of muscle after implantation of fast nerve into denervated and into self-reinnervated slow soleus muscle of the rat. Burešová M, et al. **Pfluegers Arch** 360(2):95–108, 28 Oct 75

Bacteriophage T3 and T7 early RNAs are translated by eukaryotic 80S ribosomes: active phage T3 coded S-adenosylmethionine cleaving enzyme is synthesized. Anderson CW, et al. **Proc Natl Acad Sci USA** 73(8):2752–6, Aug 76

Specific in situ cleavage of 16S ribosomal RNA of Escherichia coli interferes with the function of initiation factor IF-1. Baan RA, et al. **Proc Natl Acad Sci USA** 73(3):702–6, Mar 76

Photoincorporation of puromycin and N-(ethyl-2-diazomalonyl)puromycin into Escherichia coli ribosomes. Cooperman BS, et al. **Proc Natl Acad Sci USA** 72(8):2974–8, Aug 75

Identification of a soluble protein that stimulates peptide bond synthesis. Glick BR, et al. **Proc Natl Acad Sci USA** 72(11):4257–60, Nov 75

Mechanism of dissociation of ribosomes of Escherichia coli by initiation factor IF-3. Gottleib M, et al. **Proc Natl Acad Sci USA** 72(11):4238–42, Nov 75

Lack of ribosomal protein S1 in Bacillus stearothermophilus. Isono K, et al. **Proc Natl Acad Sci USA** 73(3):767–70, Mar 76

Allosteric mechanism for codon-dependent tRNA selection on ribosomes. Kurland CG, et al. **Proc Natl Acad Sci USA** 72(11):4248–51, Nov 75

Polypeptide chain initiation in eukaryotes: mechanism of formation of initiation complex. Nombela C, et al. **Proc Natl Acad Sci USA** 73(2):298–301, Feb 76

Release of (oligo) peptidyl-tRNA from ribosomes by erythromycin A. Otaka T, et al. **Proc Natl Acad Sci USA** 72(7):2649–52, Jul 75

Interferon activity produced by translation of human interferon messenger RNA in cell-free ribosomal systems and in Xenopus oöcytes. Reynolds FH Jr, et al. **Proc Natl Acad Sci USA** 72(12):4881–5, Dec 75

Stringent factor from Escherichia coli directs ribosomal binding and release of uncharged tRNA. Richter D. **Proc Natl Acad Sci USA** 73(3):707–11, Mar 76

A ribosome-dependent GTPase from yeast distinct from elongation factor 2. Skogerson L, et al. **Proc Natl Acad Sci USA** 73(1):73–6, Jan 76

How ribosomes select initiator regions in mRNA: base pair formation between the 3' terminus of 16S rRNA and the mRNA during initiation of protein synthesis in Escherichia coli. Steitz JA, et al. **Proc Natl Acad Sci USA** 72(12):4734–8, Dec 75

Insights into protein biosynthesis and ribosome function through inhibitors. Pestka S. **Prog Nucleic Acid Res Mol Biol** 17:217–45, 1976 (45 ref.)

Studies on the ribosome and its components. Spitnik-Elson P, et al. **Prog Nucleic Acid Res Mol Biol** 17:77–98, 1976 (58 ref.)

Ribosomal proteins synthesis in the fetal and neonatal rat brain as influenced by maternal ethanol consumption. Rawat AK. **Res Commun Chem Pathol Pharmacol** 12(4):723–32, Dec 75

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40-infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40-infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

Transport and processing of ribosomal RNA in plant cells after treatment with cycloheximide. Gebauer HU, et al. **Z Naturforsch [C]** 30(2):213–8, Mar–Apr 75

[Rat liver polysomes bound to endoplasmic reticulum: evidence for an RNase sensitive ribosome-membrane linkage] Dissous C, et al. **C R Acad Sci [D] (Paris)** 282(3):313–6, 19 Jan 76 (Eng. Abstr.) **(Fre)**

[Formation of crystal-like ribosomal aggregates in smooth muscle cells of the guinea pig ileum following incubation in vitro] Löwe H, et al. **Acta Biol Med Ger** 34(7):1283–7, 1975 (Eng. Abstr.) **(Ger)**

[Dynamics of ribosomes of Vibrio in the condition lacking salts] Morishita H, et al. **Jpn J Bacteriol** 30(1):127, Jan 75 **(Jpn)**

[Characteristics of Staphylococcus ribosome in synthesis of poly U-dependent polyphenylalanine] Tani Y, et al. **Jpn J Bacteriol** 30(1):128, Jan 75 **(Jpn)**

[The effect of mRNA on the stability of the ribosome--aminoacyl-tRNA complex] Budker VG. **Biokhimiia** 40(2):441–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The role of ribosomal proteins in in vitro ribosome-membrane interactions] Zlatopol'skiĭ AD, et al. **Biokhimiia** 41(1):143–8, Jan 76 (Eng. Abstr.) **(Rus)**

[Relation of working cycle stages of factorless ('nonenzymatic') translation to magnesium concentration] Belitsina NV, et al. **Dokl Akad Nauk SSSR** 224(5):1205–8, 11 Oct 75 **(Rus)**

Studies on the mechanism of translocation in ribosomes. IV. The role of ribisomal proteins S12 in translocation] Gavrilova LP, et al. **Mol Biol (Mosk)** 9(4):609–21, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Studies on the mechanism of translocation in ribosomes. V. Comparison of the effect of antibiotic inhibitors of ribosomes on 'enzymatic' and 'non-enzymatic' translation] Kostiashkina OE, et al. **Mol Biol (Mosk)** 9(5):775–82, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Studies on the mechanism of translocation in ribosomes. V. Comparison of the effect of antibiotic inhibitors of ribosomes on 'enzymatic' and 'non-enzymatic' translation] Kostiashkina OE, et al. **Mol Biol (Mosk)** 9(5):775–82, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The interaction between newly-formed mRNA and ribosomal particles during retarded translation] Leĭtin VL, et al. **Mol Biol (Mosk)** 9(6):845–55, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Oxytetracycline binding to E. coli ribosomes] Strel'tsov SA, et al. **Mol Biol (Mosk)** 9(6):910–21, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Changes in the content of ribosomal RNA and the activity of ribosomal RNAase in the brain under natural physiological conditions] Khachatryan GS, et al. **Vopr Med Khim** 21(3):264–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Extraction from free ribosomes of a factor mediating ribosome detachment from rough microsomes. Blobel G. **Biochem Biophys Res Commun** 68(1):1–7, 12 Jan 76

Attachment of ribosomes to endoplasmic membranes in mouse pancreas. Degranulation in vivo caused by the inducers of autophagocytosis neutral red, vinblastine, puromycin, and cadmium ions, and prevention by cycloheximide. Réz G, et al. **Chem Biol Interact** 13(1):77–87, Apr 76

Effect of nitrofurazone on bacterial RNA and ribosome synthesis and on the function of ribosomes. Tu Y, et al. **Chem Biol Interact** 14(1-2):81–91, Jul 76

The in vitro stimulation of the influenza transcriptase by ribosomes. Horisberger M. **FERS Lett** 63(1):134–6, 15 Mar 76

Proceedings: Membranes as the site of ribosome degradation. Harststein E, et al. **Isr J Med Sci** 11(11):1199, Nov 75

Proceedings: Discrimination messenger RNA by a mammalian translation initiation factor. Nudel U, et al. **Isr J Med Sci** 11(11):1204, Nov 75

Proceedings: In vivo reassembly of 30 S ribosomal subunits Escherichia coli cells after previous selective destruction of these subunits by thermal treatment. Tal M, et al. **Isr J Med Sci** 11(11):1198, Nov 75

Mobility restriction in vivo of the heavy ribosomal subunit in a secretory cell. Lönn U, et al. **J Cell Biol** 70(3):573–80, Sep 76

RADIATION EFFECTS

[Formation, by gamma irradiation, of RNA-protein cross-links in E. coli ribosomes] Ekert B, et al. **C R Acad Sci [D] (Paris)** 282(10):1053–6, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Study of the effect of radiation on the proteins of ribosomes with the use of proteolytic enzymes] Liandres TT, et al. **Radiobiologiia** 15(4):608–10, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Studies on ribosomal topography by analysis of specific ribonucleoprotein fragments. Brimacombe R. **Acta Biol Med Ger** 33(5–6):599–603, 1974

Studies on the structure of animal ribosomes. V. Studies on the size and structure of rat liver ribosomes by small angle X-ray scattering. Damaschun G, et al. **Acta Biol Med Ger** 33(5–6):817–23, 1974

Affinity labeling of functional centers of E. coli ribosomes. Girshovich AS, et al. **Acta Biol Med Ger** 33(5–6):639–48, 1974

The structure of liver ribosomes. Kiselev NA, et al. **Acta Biol Med Ger** 33(5–6):795–807, 1974

Affinity labeling of ribosomes. Knorre DG. **Acta Biol Med Ger** 33(5–6):649–54, 1974

Comments on the electron microscopical structure of rabbit reticulocyte ribosomal particles. Ladhoff AM, et al. **Acta Biol Med Ger** 33(5–6):809–12, 1974

Electron microscopic studies on the structure and dissociation of rat liver ribosomes. Lutsch G, et al. **Acta Biol Med Ger** 33(5–6):813–6, 1974

Morphology of the ribosomal 30S subparticle according to electron microscopic data. Vasiliev VD. **Acta Biol Med Ger** 33(5–6):779–93, 1974

Pressure-induced dissociation of ribosomes isolated from Artemia salina observed by light scattering. Nieuwenhuysen P, et al. **Arch Int Physiol Biochim** 83(5):983–4, Dec 75

Physicochemical characteristics of ribosomes in relation to cell aging. Palacios RR, et al. **Biochem Biophys Res Commun** 66(4):1243–50, 27 Oct 75

Release of certain ribosomal proteins from 70-S Escherichia coli ribosomes by mild ribonuclease digestion. Gast WH, et al. **Biochim Biophys Acta** 432(1):98–103, 15 Apr 76

Differences between the protein moieties of active subunits and EDTA-treated subunits of rat liver ribosomes with specific references to a 5 S rRNA - protein complex. Terao K, et al. **Biochim Biophys Acta** 402(2):230–7, 21 Aug 75

Reconstitution of 48 S particles with subunit association activity from Escherichia coli 50 S ribosomal components. Chu FK, et al. **Can J Biochem** 53(8):844–54, Aug 75

Evolutionary aspects of a conformationally flexible region in the ribosomes of higher vertebrates. Sjöqvist A, et al. **Comp Biochem Physiol [B]** 52(2):277–82, 15 Oct 75

Molecular morphology of ribosomes. Iodination of Escherichia coli ribosomal proteins with solid-state lactoperoxidase. Michalski CJ, et al. **Eur J Biochem** 52(2):385–9, 17 Mar 75

Synthesis of a cleavable protein-crosslinking reagent for the investigation of ribosome structure. Peretz H, et al.

Eur J Biochem 63(1):77–82, 16 Mar 76

The use of a cleavable crosslinking reagent to identify neighboring proteins in the 30-S ribosomal subunit of Escherichia coli. Peretz H, et al. **Eur J Biochem** 63(1):83–92, 16 Mar 76

Fluorescent labelling of Escherichia coli ribosomal sulfhydryl groups. Perrin M, et al. **Eur J Biochem** 57(2):319–24, 15 Sep 75

Studies on the environment of protein S7 within the 30-S subunit Escherichia coli ribosomes. Rinke J, et al. **Eur J Biochem** 64(1):77–89, 15 Apr 76

Isolation and characterization of active ribosomal subunits from human placenta. Vanduffel L, et al. **Eur J Biochem** 57(2):481–91, 15 Sep 75

On the heterogeneity of native ribosomal subunits in Ehrlich–ascites–tumor cells cultured in vitro. van Venrooij WJ, et al. **Eur J Biochem** 64(2):429–35, 1 May 76

Effect of the growth conditions on the ratio between native 40S and 60S ribosomal subunits in various cell types. Nissen–Meyer J, et al. **Exp Cell Res** 98(1):41–6, 1 Mar 76

Microsomal membrane alterations during acute ethionine toxicity and carcinogenesis. Kisilevsky R, et al. **Exp Mol Pathol** 24(2):193–200, Apr 76

Isolation of translating ribosomes with a resin–bound poly–U column. Belitsina NV, et al. **FEBS Lett** 57(3):262–6, 1 Oct 75

30S ribosomal proteins associated with the 3'–terminus of 16S RNA. Czernilofsky AP, et al. **FEBS Lett** 58(1):281–4, 15 Oct 75

Identification of neighbouring proteins in E. coli 50S ribosomes. Expert–Bezançon A, et al. **FEBS Lett** 59(1):64–9, 1 Nov 75

Molecular morphology of ribosomes: structural alteration of 50S subunits following the removal of proteins L7 and L12. Michalski CJ, et al. **FEBS Lett** 58(1):85–9, 15 Oct 75

Small–angle X–ray scattering and crosslinking study of the proteins L7/L12 from Escherichia coli ribosomes. Osterberg R, et al. **FEBS Lett** 66(1):48–51, 1 Jul 76

The ribosomal protein L8 is a complex L7/L12 and L10. Pettersson I, et al. **FEBS Lett** 64(1):135–8, 15 Apr 76

Structural alterations in the 30 S ribosomal subunit of Escherichia coli observed with the fluorescent probe N–(3–pyrene) maleimide. Schechter N, et al. **FEBS Lett** 57(2):149–52, 15 Sep 75

High pressure equilibrium studies on the dissociation–association of E. coli ribosomes. Schulz E, et al. **FEBS Lett** 64(1):40–3, 15 Apr 76

Joint use of light, X–ray and neutron scattering for investigation of RNA and protein mutual distribution within the 50S subparticle of E. coli ribosomes. Serdyuk IN, et al. **FEBS Lett** 59(1):133–6, 1 Nov 75

Near neighbors of IF3 bound to 30S ribosomal subunits. van Duin J, et al. **FEBS Lett** 59(2):287–90, 15 Nov 75

Reconstitution of Bacillus stearothermophilus 50 S ribosomal subunits from purified molecular components. Cohlberg JA, et al. **J Biol Chem** 251(1):209–21, 10 Jan 76

Free ribosomes in physiologically nondividing cells. Human peripheral lymphocytes. Cooper HL, et al. **J Biol Chem** 251(16):4891–900, 25 Aug 76

Cross–linking studies on the 50 S ribosomal subunit of Escherichia coli with methyl 4–mercaptobutyrimidate. Kenny JW, et al. **J Biol Chem** 250(24):9434–6, 25 Dec 75

Orderly arrangement of ribosomes in the embryogenic callus tissue of Corylus avellana L. Vujičić R, et al. **J Cell Biol** 69(3):686–92, Jun 76

Singlet energy transfer studies of the arrangement of proteins in the 30 S Escherichia coli ribosome. Huang KH, et al. **J Mol Biol** 97(4):443–70, 5 Oct 75

Identification by diagonal gel electrophoresis of nine neighboring protein pairs in the Escherichia coli 30 S ribosome crosslinked with methyl–4–mercaptobutyrimidate. Sommer A, et al. **J Mol Biol** 97(4):471–81, 5 Oct 75

The ribosomes of the simian malaria, Plasmodium knowlesi. I. Isolation and characterization. Sherman IW, et al. **J Protozool** 22(4):568–72, Nov 75

Characterization of the particles produced by exposure of ribosomal subunits to urea. Langer JA, et al. **J Sports Med** 1(4):320–4, 1973

Small–angle x ray scattering studies on whole Bacillus subtilis. Gee MK, et al. **J Ultrastruct Res** 52(3):300–8, Sep 75

Ribosome structure and chylomicron formation in rat intestinal mucosa. Yousef IM, et al. **Lab Invest** 34(3):256–62, Mar 76

Run–off ribosomes in liver, spleen and pancreas of the rat. De Vries M, et al. **Mol Biol Rep** 2(3):177–9, Oct 75

Artifacts induced by glutaraldehyde fixation of ribosomal particles. Garcia–Patrone M, et al. **Mol Biol Rep** 2(6):507–15, Jul 76

Surface topography of the Bacillus stearothermophilus ribosome. Miller HM, et al. **Mol Gen Genet** 144(3):273–80, 30 Mar 76

Localization of Escherichia coli ribosomal protein S4 on the surface of the 30S ribosomal subunit by immuno electron microscopy. I. Distribution of antibody–binding sites as obtained with immunoglobulins and monovalent antibody fragments from various S4–specific antisera. Tischendorf GW, et al. **Mol Gen Genet** 142(3):193–208, 30Dec 75

Affinity labelling the acceptor site of the peptidyl transferase centre of the Escherichia coli ribosome. Eilat D, et al. **Nature** 250(5466):514–6, 9 Aug 74

On the origin of plastids. Odintsova MS, et al. **Orig Life** 6(3):441–6, Jul 75

Neutron scattering measurements of separation and shape of proteins in 30S ribosomal subunit of Escherichia coli: S2–S5, S5–S8, S3–S7. Engelman DM, et al. **Proc Natl Acad Sci USA** 72(10):3888–92, Oct 75

Identification of a region in 23S rRNA located at the peptidyl transferase center. Sonenberg N, et al. **Proc Natl Acad Sci USA** 72(11):4332–6, Nov 75

New low resolution model for 50S subunit of Escherichia coli ribosomes. Stuhrmann HB, et al. **Proc Natl Acad Sci USA** 73(7):2379–83, Jul 76

Architecture of the Escherichia coli ribosome as determined by immune electron microscopy. Tischendorf GW, et al. **Proc Natl Acad Sci USA** 72(12):4820–4, Dec 75

Morphological and histochemical evidence of mitoribosomes in Manduca sexta. Borg TK, et al. **Tissue Cell** 7(3):497–502, 1975

[Analysis of ribosomes by polyacrylamide gel electrophoresis (author's transl)] Ledoigt G, et al. **Biochim Biophys Acta** 407(2):222–39, 1 Oct 75 (Eng. Abstr.) **(Fre)**

[Nearest–neighbor relationships among 50S ribosomal proteins of E. coli] Barritault D, et al. **C R Acad Sci [D] (Paris)** 281(14):1043–6, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Properties of ribosomes of normal and tumor cells (author's transl)] Bielka H. **Arch Geschwulstforsch** 45(3):209–18, 1975 (Eng. Abstr.) **(Ger)**

[RNA–protein interactions in bacterial ribosomes. III. Secondary structure of 16S RNA fragments associated with protein S4] Chichkova NV, et al. **Mol Biol** 8(6):894–901, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

[Possibility of internal organization of RNA and proteins in ribosomal subparticles. A structural model of Escherichia coli 30S ribosomal subparticle] Potapov AP. **Mol Biol (Mosk)** 9(3):426–34, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Possibility of internal organization of RNA and proteins in ribosomal subparticles. A structural model of Escherichia coli 30S ribosomal subparticle] Potapov AP. **Mol Biol (Mosk)** 9(3):426–34, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Ribosome–like particles in the mesosomes of Erwinia nimipressuralis 362] Romanenko VM, et al. **Mikrobiol Zh** 36(2):238–40, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

RIBOSTAMYCIN see under **ANTIBIOTICS**

RIBS

Primary costal echinococcosis with spine involvement. Monajati A, et al. **Br J Radiol** 49(582):555–6, Jun 76

Editorial: Rib pain. **Br Med J** 1(6006):358–9, 14 Feb 76

Letter: Rib pain. **Br Med J** 1(6009):582, 6 Mar 76

Letter: Bone resorption in progressive systemic sclerosis. Sargent EN. **Chest** 70(1):107–8, Jul 76

Lung abscess and osteomyelitis of rib due to Yersinia enterocolitica. Sebes JI, et al. **Chest** 69(4):546–8, Apr 76

Bone resorption of the ribs and pulmonary function in progressive systemic sclerosis. Steigerwald JC, et al. **Chest** 68(6):838–40, Dec 75

Fibrous dysplasia of the rib: a case report. Jha VK, et al. **Indian J Chest Dis** 17(2):98–100, Apr 75

The rib–tip syndrome. McBeath AA, et al. **J Bone Joint Surg [Am]** 57(6):795–7, Sep 75

Candida costochondral osteomyelitis. Reprot of a case and review of the literature. Smilack JD, et al. **J Bone Joint Surg [Am]** 58(6):888–90, Sep 76

Letter: Rib erasure utilizing nine–point smoothing. Lancaster JL, et al. **J Nucl Med** 17(1):68–9, Jan 76

Letter: Tuberculous osteomyelitis of the rib. **S Afr Med J** 49(39):1583, 13 Sep 75

[Primary chondrosarcomas of the ribs, with the contribution of 1 case] Daskalov M, et al. **Khirurgiia (Sofiia)** 28(1):84–7, 1975 **(Bul)**

[Spinal ganglionectomy in intercostal postherpetic neuralgia] Zvěřina E, et al. **Cesk Neurol Neurochir** 35(6):318–23, 1972 (Eng. Abstr.) **(Cze)**

[Primary reticulum cell sarcoma of a rib. Report of two cases (author's transl)] Denaut M, et al. **Acta Tuberc Pneumol Belg** 66(4–5):390–400, Jul–Oct 75 (Eng. Abstr.) **(Fre)**

[Isolated Paget's disease in a costal site] Labrune M, et al. **Ann Radiol (Paris)** 18(7):757–60, Nov 75 **(Fre)**

[Sterno–costo–clavicular hyperostosis (author's transl)] Kutzner J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):446–9, Nov 75 (Eng. Abstr.) **(Ger)**

[An unusual complication of multiple cartilaginous exostoses] Schmoller H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):273–5, Sep 75 **(Ger)**

[An autopsy case of liver cell carcinoma with bone metastases and a relatively long clinical course (author's transl)] Kusakabe A, et al. **Jpn J Gastroenterol** 73(5):554–60, May 76 **(Jpn)**

[Costal pathology] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):337–43, Jul–Sep 75 **(Rum)**

[Case of acute hematogenic osteomyelitis of the rib complicated by subpleural abscess] Kirsanov IuV. **Klin Med (Mosk)** 53(12):111–3, Dec 75 **(Rus)**

[Postoperative chondritis and osteomyelitis of the ribs and sternum] Gorelov FI, et al. **Vestn Khir** 116(3):18–22, Mar 76 (Eng. Abstr.) **(Rus)**

[Multifocal sclerosing osteoid osteoma (case report)] Selivanor VP, et al. **Vopr Onkol** 21(9):94–6, 1975 **(Rus)**

[Lipoma of bone] Tsurkan AM, et al. **Vopr Onkol** 22(5):97–9, 1976 **(Rus)**

ABNORMALITIES

Spondylothoracic dysplasia, costovertebral dysplasia, Jarcho–Levin syndrome. Gellis SS, et al. **Am J Dis Child** 130(5):513–4, May 76

Cerebro–costo–mandibular syndrome: long term follow–up of a patient and review of the literature. Williams HJ, et al. **Am J Roentgenol** 126(6):1223–8, Jun 76

Rib anomalies in myelodysplasia. An approach to embryologic inference. McLennan JE. **Biol Neonate** 29(3–4):129–41, 1976

Metastatic basal cell carcinoma with squamous appearances in the naevoid basal cell carcinoma syndrome. Murphy KJ. **Br J Plast Surg** 28(4):331–4, Oct 75

Letter: Association of congenital diaphragmatic hernia and 13 pairs of ribs. Szalay GC. **Br J Radiol** 48(573):772, Sep 75

A case of cerivco–thoracic anomaly simulating traumatic fracture–dislocation. Abel MS, et al. **Clin Orthop** (116):133–7, May 76

The radiological diagnosis of the fetal–face (= Robinow) syndrome (mesomelic dwarfism and small genitalia). Report of 3 cases. Giedion A, et al. **Helv Paediatr Acta** 30(4–5):409–23, Jan 76

Gorlin's syndrome: ovarian fibromas at adolescence. Burket RL, et al. **Obstet Gynecol** 47(1):43S–46S, Jan 76

[2 cases of costoclavicular syndrome, including one with apophysomegaly, cervical rib or agenesis of the 1st rib] Spay G, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):157–9, 1974 (Eng. Abstr.) **(Fre)**

[Deformities of the spine and ribs in embryologically related malformations of the heart with cyanosis] Beitzke A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):242–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Discontinuity of the first rib] Fischel RE. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):189, Aug 76 **(Ger)**

[The intrathoracic rib(author's transl)] Friedrich M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):438–42, May 75 (Eng. Abstr.) **(Ger)**

[Multiple rib fractures or rib anomalies? (author's transl)] Kemperdick H, et al. **Klin Paediatr** 188(3):278–80, May 76 (Eng. Abstr.) **(Ger)**

[Letter: Bilateral hyperdeveloped cervical ribs and fitness for active service in the German Army] Zenker R, et al. **Munch Med Wochenschr** 117(36):1437, 5 Sep 75 **(Ger)**

[Atypical ossification of anomalous ribs] Firsov GI. **Arkh Anat Gistol Embriol** 69(11):60–3, Nov 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Studies of trace metal levels in human tissues. II. The investigation of lead levels in rib samples of 100 Canadian residents. pp. 29–39. Cherry WH, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

[Forensic medical differentiation of the ribs of children, dogs and rabbits by an emission spectrographic method] Neznakomtseva EP. **Sud Med Ekspert** 18(4):42–5, Oct–Dec 75 **(Rus)**

CYTOLOGY

Periodic fibrillar material in intracellular vesicles and in electron–dense bodies in chondrocytes of rat costal and tracheal cartilage at various ages. Dearden LC. **Am J Anat** 144(3):323–37, Nov 75

EMBRYOLOGY

[Role of the somitic mesoderm in the development of the rib cage of bird embryos. I. Origin of the sternal component and conditions for the development of the ribs (author's transl)] Chevallier A. **J Embryol Exp Morphol** 33(2):291–311, Apr 75 (Eng. Abstr.) **(Fre)**

INJURIES

[Peridural analgesia in chest injuries] Latarjet J, et al. **Anesth Analg (Paris)** 32(3):433–9, May–Jun 75 **(Fre)**

INNERVATION

Morphological and functional features of the innervation of the costovertebral joints. Wyke B. **Folia Morphol (Praha)** 23(4):296–305, 1975

METABOLISM

Histochemical studies on the distribution of acidic glycosaminoglycans in human rib cartilage during the aging process. Sames K. **Mech Ageing Dev** 4(5–6):431–48, Sep–Dec 75

PATHOLOGY

Unclassified benign tumor of the rib. Osteochondroblastoma. Zabski ZA, et al. **Cancer** 36(3):1009–15, Sep 75

The rib hump in idiopathic scoliosis. Measurement, analysis and response to treatment. Thulbourne T, et al. **J Bone Joint Surg [Br]** 58(1):64–71, Feb 76

[Pleuro–costal carcinoid] Sagaz Zubelzú L, et al.

Rev Clin Esp 141(3):277–83, 15 May 76 **(Spa)**

PHYSIOLOGY

Relative contributions of rib cage and abdomen to breathing in normal subjects. Sharp JT, et al. **J Appl Physiol** 39(4):608–18, Oct 75

The interaction of the lung and chest wall in dogs. Hogg JC, et al. **Respir Physiol** 27(2):207–21, Aug 76

PHYSIOPATHOLOGY

Rib structure and bending strength: an autopsy study. Stein ID. **Calcif Tissue Res** 20(1):61–73, 13 Apr 76

[The effect of disorder of stabilizing influence of dorsal end of the rib on the origin and development of scoliotic curve (author's transl)] Vlach O.
Acta Chir Orthop Traumatol Cech 42(4):366–72, Aug 75 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

Benign osteoblastoma of a rib. Greenspan A, et al.
J Can Assoc Radiol 26(3):208–9, Sep 75

Notching of ribs: a new roentgenographic finding in Down's syndrome. Smulewicz JJ, et al. **J Natl Med Assoc** 67(5):372–80 passim, Sep 75

[Comparative estimation of methods of radiological examination of the ribs (author's transl)] Finkelštein SN, et al. **Radiol Diagn (Berl)** 16(5):731–9, 1975 **(Ger)**

[Studies on ossification of human rib cartilage. Rep.3. Radiological observation on ossification of human rib cartilage (author's transl)] Nishino K. **Kekkaku** 51(4):109–15, Apr 76 (Eng. Abstr.) **(Jpn)**

SURGERY

Letter: The split rib technique. Taricco A. **Arch Surg** 110(12):1516, Dec 75

A complication of nephrectomy by the supracostal approach. Williams G, et al. **Br J Urol** 48(2):106, Apr 76

Giant chondromas arising from the ribs. A report of four cases. Pandey S. **J Bone Joint Surg [Br]** 57(4):519–22, Nov 75

[2 cases of intercostal hernia] Březina L, et al.
Rozhl Chir 55(2):97–9, Feb 76 (Eng. Abstr.) **(Cze)**

[Parietal repair after sternectomy for tumor] Champault G.
Nouv Presse Med 4(38):2727–8, 8 Nov 75 **(Fre)**

[Letter: Cranioplasty by double rib grafts. The method of protective lattice-work] Fagarasanu I. **Nouv Presse Med** 4(30):2199–200, 20 Sep 75 **(Fre)**

[Transaxillary resection of the 1st rib in shoulder girdle compression syndrome] Spieler U, et al. **Helv Chir Acta** 43(1–2):87–91, Mar 76 **(Ger)**

TRANSPLANTATION

The formation of articular cartilage from free perichondrial grafts. Skoog T, et al. **Plast Reconstr Surg** 57(1):1–6, Jan 76

Composite pedicled rib flap for reconstruction of the mandible and face. Conley J.
Trans Am Acad Ophthalmol Otolaryngol 82(4):ORL 447–51, Jul–Aug 76

[Technic of cranioplasty using a rib graft] Lambert H, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):549–51, Sep 75 **(Fre)**

[Animal experiment studies on the revascularization of autologous bone transplants] Lentrodt J, et al.
Fortschr Kiefer Gesichtschir 20:17–21, 1976 **(Ger)**

[Results of osteoplastic repair of skull defects] Maerker R, et al. **Fortschr Kiefer Gesichtschir** 20:47–9, 1976 **(Ger)**

[Results of simultaneous resection and reconstruction of the lower jaw using the oral approach] Sailer HF.
Fortschr Kiefer Gesichtschir 20:45–6, 1976 **(Ger)**

[Experimental studies on the healing of rib transplants in relation to fixation] Schargus G, et al.
Fortschr Kiefer Gesichtschir 20:24–6, 1976 **(Ger)**

RIBULOSE see under **PENTOSES**

RIBULOSEBIPHOSPHATE CARBOXYLASE see under **CARBOXY-LYASES**

RIBULOSEPHOSPHATES see under **PENTOSEPHOSPHATES**

RICE

Iron absorption from Southeast Asian rice-based meals. Aung-Than-Batu, et al. **Am J Clin Nutr** 29(2):219–25, Feb 76

Treatment of massive obesity with rice/reduction diet program. An analysis of 106 patients with at least a 45-kg weight loss. Kempner W, et al. **Arch Intern Med** 135(12):1575–84, Dec 75

Persistence and microbial degradation of parathion in Indian rice soils under flooded conditions. pp. 9–18. Sethunathan N, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74. (16 ref.)

Letter: The radiation-resistant red bacterium from rice. Engvild KC, et al. **Int J Radiat Biol** 28(2):191–3, Aug 75

An outbreak of Bacillus cereus food-poisoning in Finland associated with boiled rice. Raevuori M, et al.
J Hyg (Camb) 76(3):319–27, Jun 76

Effect of feeding deoiled riche polish on the growth and subsequent productive performance of White Leghorn pullets. Lodhi GN, et al. **J Sci Food Agric** 26(5):641–52, May 75

[Nitric oxide production in rice soils (author's transl)] Garcia JL. **Ann Microbiol (Paris)** 127(3):401–14, Apr 76 (Eng. Abstr.) **(Fre)**

[Rice straw in nutrition in Senegal. I. Bromatological analysis, in vivo and in vitro digestibility, nitrogen and mineral contents] Calvet H, et al.
Rev Elev Med Vet Pays Trop 27(2):207–21, 1974 (Eng. Abstr.) **(Fre)**

[Attempted fattening of zebu cattle with rice polish in North Cameroon] Lhoste P, et al.
Rev Elev Med Vet Pays Trop 28(2):217–23, 1975 (Eng. Abstr.) **(Fre)**

[Hygienic significance of the herbicide propanide as an atmospheric pollutant when used on rice paddies] Gofmekler VA, et al. **Gig Sanit** (9):17–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Nutritional studies with rice bran] Guerra MJ, et al.
Arch Latinoam Nutr 25(4):401–17, Dec 75 (Eng. Abstr.) **(Spa)**

[Patterns of aflatoxin accumulation in the grain of wheat, rye and rice] L'vova LS, et al. **Mikrobiol Zh** 36(3):304–9, May–Jun 74 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Persistence of endrin in Indian rice soils under flooded conditions. Gowda TK, et al. **J Agric Food Chem** 24(4):750–3, Jul–aug 76

Comparative study of methods for the extraction of eleven organophosphorus pesticide residues in rice. Aoki Y, et al. **J Assoc Off Anal Chem** 58(6):1286–93, Nov 75

[Variability of the protein and amino acid content in the rice grain] Nakivko GV, et al. **Prikl Biokhim Mikrobiol** 11(4):565–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Mitotic activity in rice seedlings germinating under oxygen deficiency. Kordan HA. **J Cell Sci** 20(1):57–9, Jan 76

DRUG EFFECTS

Evaluation of mycobacillin and versicolin as agricultural fungicides. I. Antifungal spectrum and phytotoxicity. Nandi J, et al. **J Antibiot (Tokyo)** 28(12):988–92, Dec 75

A study on the effect of certain phenolic acids and fumarie acid in soil on the development of paddy seedlings and nitrogen-fixing bacteria. Gaur AC, et al.
Zentralbl Bakteriol [Naturwiss] 131(2):148–56, 1976

METABOLISM

Characterization of bound residues of nitrofen in rice and wheat straw. Honeycutt RC, et al. **J Agric Food Chem** 23(6):1097–101, Nov–Dec 75

Characterization of bound residues of nitrofen in cereal grains. Wargo JP, et al. **J Agric Food Chem** 23(6):1095–7, Nov–Dec 75

MICROBIOLOGY

[Studies of toxicity of various microscopic fungal strains] Kirilenko Ola, et al. **Mikrobiol Zh** 37(6):703–12, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

RICIN see under **PLANT PROTEINS**

RICINOLEIC ACIDS see under **FATTY ACIDS, UNSATURATED**

RICINUS

see related
CASTOR OIL

ANALYSIS

Circular dichroism and saccharide-induced conformational transitions of lectins from Ricinus communis. Shimazaki K, et al. **Arch Biochem Biophys** 169(2):731–6, Aug 75

Similarities in the polypeptide composition of glyoxysomal and endoplasmic-reticulum membranes from castor-bean endosperm. Bowden L, et al. **Biochem J** 154(2):491–9, 15 Feb 76

Isolation and chemical properties of a ricin variant from castor bean. Ishiguro M, et al. **Toxicon** 14(3):157–65, 1976

[Polymorphism and glycoprotein character of Ricinus communis lectins purified by affinity chromatography] Lhermitte M, et al. **Biochimie** 57(11–12):1293–9, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Evidence that phosphatidylcholine and phosphatidylethanolamine are synthesized by a single enzyme present in the endoplasmic reticulum of castor-bean endosperm. Lord JM. **Biochem J** 151(2):451–3, Nov 75

Development and properties of fructose 1,6-bisphosphatase in the endosperm of castor-bean seedlings. Youle RJ, et al. **Biochem J** 154(3):647–52, 15 Mar 76

GROWTH & DEVELOPMENT

The cellular origin of glyoxysomal proteins in germinating castor-bean endosperm. Bowden L, et al. **Biochem J** 154(2):501–6, 15 Feb 76

METABOLISM

Characterization of proteins and allergens in germinating castor seeds by immunochemical techniques. Daussant J, et al. **J Agric Food Chem** 24(1):103–7, Jan–Feb 76

RICKETS

Vitamin-D deficiency rickets in Jamaican children. Miller CG, et al. **Arch Dis Child** 51(3):214–8, Mar 76

Editorial: Metabolic bone disease in Asians. **Br Med J** 2(6033):442–3, 21 Aug 76

Nutritional rickets in children in Glasgow. Arneil GC.
Proc Nutr Soc 34(2):101–9, Sep 75 (27 ref.)

Factors in human vitamin D nutrition and in the production and cure of classical rickets. Stamp TC. **Proc Nutr Soc** 34(2):119–30, Sep 75 (27 ref.)

Asian rickets and osteomalacia: patterns of parathyroid response in vitamin D deficiency. Stanbury SW, et al.
Proc Nutr Soc 34(2):111–7, Sep 75 (8 ref.)

Epidemiological and dietary aspects of rickets and osteomalacia. Stephen JM. **Proc Nutr Soc** 34(2):131–8, Sep 75 (35 ref.)

[Biochemical and x-ray changes in infants with clinical signs of rachitis] Duma H, et al. **God Zb Med Fak Skopje** 17:385–91, 1971 **(Ser)**

BLOOD

Hemoglobin-oxygen affinity in hypophosphatemic rickets. Munk P, et al. **Acta Paediatr Scand** 65(1):97–9, Jan 76

Blood lipids in infantile rickets. Kamel G, et al.
J Egypt Med Assoc 58(3–4):189–95, 1975

Serum 25-hydroxyvitamin D in infantile rickets. Arnaud SB, et al. **Pediatrics** 57(2):221–5, Feb 76

[Research on the problem of magnesium in rickets] Balla A, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(3):233–8, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Rickets associated with long-term anticonvulsant therapy in a pediatric outpatient population. Crosley CJ, et al.
Pediatrics 56(1):52–7, Jul 75

Letter: Anticonvulsants and rickets--a different view. Livingston S, et al. **Pediatrics** 57(6):979–80, Jun 76

[Iatrogenic rachitis - sequelae of a long-term antiepileptic treatment] Svatý J. **Cesk Pediatr** 30(11):552–4, Nov 75 (2 ref.) (Eng. Abstr.) **(Cze)**

[Pathogenesis of osteopathy caused by anticonvulsives (author's transl)] Berger G, et al. **Paediatr Paedol** 11(3):528–38, 1976 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Proximal renal tubular acidosis in vitamin D deficiency rickets. Vainsel M, et al. **Biomedicine** 22(1):35–40, Jan 75

Rickets. Bhattacharyya AK. **Bull Calcutta Sch Trop Med** 21(2):29–30, Apr 73

Osteopetrosis with rickets: report of two cases. Sundaravalli N, et al. **Indian Pediatr** 12(8):715–6, Aug 75

[Rachitic lung. Apropos of 11 cases] Rezgallah A.
Tunis Med 53(3):209–13, May–Jun 75 **(Fre)**

[Single-step higher repositioning of the alveolar process in the treatment of open bite due to rickets] Erwig R, et al.
Fortschr Kiefer Gesichtschir 18:207–8, 1974 **(Ger)**

[The unspecific reaction of inflammation in rickets due to lack of vitamin D (author's transl)] Ströder J, et al.
Klin Paediatr 187(5):461–4, Sep 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

A diagnostic study of 120 cases of nutritional rickets. Ahmed SH, et al. **Indian Pediatr** 12(11):1141–7, Nov 75

[Diagnostic criteria of rickets: an historic study (author's transl)] Frontera Izquierdo P. **An Esp Pediatr** 9(3):315–22, May–Jun 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

25-Hydroxycholecalciferol inthe management of rickets associated with extrahepatic biliary atresia. Daum F, et al.
J Pediatr 88(6):1041–3, Jun 76

Rickets in Nigerian children--response to vitamin D. Laditan AA, et al. **J Trop Med Hyg** 78(9):206–9, Sep 75

The effect of Solanum malacoxylon on rachitic bone lesions in the rat. Kraft D, et al.
Naunyn Schmiedebergs Arch Pharmacol 290(1):29–33, 19 Aug 75

1,25-dihydroxyvitamin D3 and 1, alpha-hydroxyvitamin D3 in children: biologic and therapeutic effects in nutritional rickets and different types of vitamin D resistance. Balsan S, et al. **Pediatr Res** 9(7):586–93, Jul 75

[Influence of accessory substances of the preparation Vitamin D-3 sol. aguosa on the picture of rickets in rats] Paczek K, et al. **Acta Pol Pharm** 32(6):717–9, 1975 **(Pol)**

ENZYMOLOGY

Tissue alkaline phosphatase activity in rickets due to vitamin-D deficiency. Ozsoylu S, et al. **Turk J Pediatr** 26(2):53–8, Apr 74

ETIOLOGY

Vitamin D deficiency rickets. Two cases with faulty infant feeding practices. Castile RG, et al. **Am J Dis Child** 129(8):964–6, Aug 75

Letter: Rickets in neonatal hepatitis. Anthony G, et al. **Arch Dis Child** 50(5):406, May 75

Diets and living conditions of Asian boys in Coventry with and without signs of rickets. O'Hara–May J, et al. **Br J Nutr** 36(1):23–36, Jul 76

Letter: Osteomalacia and calcium deficiency. Taylor G. **Br Med J** 1(6015):960, 17 Apr 76

Tumor–induced osteomalacia and rickets: a surgically curable syndrome. Report of two cases. Linovitz RJ, et al. **J Bone Joint Surg [Am]** 58(3):419–23, Apr 76

FAMILIAL & GENETIC

Genetic aspects of nutritional rickets. Doxiadis S, et al. **Arch Dis Child** 51(2):83–90, Feb 76

Parathyroid hormone status and renal responsiveness in familial hypophosphatemic rickets. Hahn TJ, et al. **J Clin Endocrinol Metab** 41(5):926–37, Nov 75

HISTORY

Rickets and other deficiency diseases of the osseous system (last lecture given by Sir Arnold Theiler to B V Sc V students, Onderstepoort, 1936). Theiler A. **J S Afr Vet Assoc** 47(1):41–2, Mar 76

Study of rickets in Vienna 1919–1922. Chick DH. **Med Hist** 20(1):41–51, Jan 76

On the derivation of the name 'rickets'. Le Vay D. **Proc R Soc Med** 68(1):46–50, Jan 75

[Diagnostic criteria of rickets: an historic study (author's transl)] Frontera Izquierdo P. **An Esp Pediatr** 9(3):315–22, May–Jun 76 (Eng. Abstr.) **(Spa)**

METABOLISM

Rickets then and now. Harrrison HE, et al. **J Pediatr** 87(6 PT 2):1144–51, Dec 75 (22 ref.)

Observations on the mechanism of 99mTc–labeled phosphate complex uptake in metabolic bone disease. Rosenthall L, et al. **Semin Nucl Med** 6(1):59–67, Jan 76

[Study of proteins of rat skeletal muscles in experimental rickets] Nikolaeva EN, et al. **Vopr Med Khim** 21(3):249–54, May–Jun 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Letter: Rickets in Asian immigrants. **Lancet** 1(7973):1346, 19 Jun 76

Florid and subclinical rickets among immigrant children in Glasgow. Goel KM, et al. **Lancet** 1(7970):1141–5, 29 May 76

Proceedings: Rickets in Asian children in Glasgow. Goel KM. **Scott Med J** 20(4):188, Jul 75

[Rickets and osteoporosis in India and Afghanistan] Mizuno S. **Jpn J Clin Med** 34(3):589–91, 1976 **(Jpn)**

[Severe forms of rickets as a factor of infantile morbidity and mortality] Meilä P, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(4):317–66, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

PREVENTION & CONTROL

Letter: Vitamin D therapy for children on anticonvulsants. Silver J. **N Engl J Med** 293(21):1106, 20 Nov 75

[Ten years' daily prophylaxis against rickets—review and outlook (author's transl)] Gladel W. **Monatsschr Kinderheilkd** 123(11):759–62, Nov 75 (Eng. Abstr.) **(Ger)**

[Prevention of rachitis] **Orv Hetil** 117(8):476–7, 22 Feb 76 **(Hun)**

RADIOGRAPHY

[Rickets—experience of 8 cases] Katayama H, et al. **Jpn J Clin Radiol** 20(5):409–17, May 75 **(Jpn)**

SURGERY

Operative and non–operative treatment of rachitic lower extremity deformities. A long term study with forty–six year average follow–up. Sheridan RM, et al. **Clin Orthop** (116):66–9, May 76

URINE

The effect of calcium infusions on renal handling of amino acids in hypophosphatemic vitamin D resistant rickets. Colombo JP, et al. **Acta Paediatr Scand** 64(5):703–8, Sep 75

[Urinary excretion of some electrolytes following acidifying loading of children with hypophosphatemic rickets] Bittner K, et al. **Pediatr Pol** 50(10):1287–92, Oct 75 (Eng. Abstr.) **(Pol)**

VETERINARY

The effect of grain component of the diet on the response of turkey poults to vitamin D3 and penicillin. MacAuliffe T, et al. **Poult Sci** 55(1):183–7, Jan 76

RICKETS, RENAL see **RENAL OSTEODYSTROPHY**

RICKETS, VITAMIN D RESISTANT

[Vitamin D–resistant rickets] Apold J. **Tidsskr Nor Laegeforen** 96(6):349–54, 28 Feb 76 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Origin, diagnosis, and treatment of the dental manifestations of vitamin D–resistant rickets: review of the literature and report of case. Cohen S, et al. **J Am Dent Assoc** 92(1):120–9, Jan 76 (29 ref.)

Linear sebaceous naevi with convulsions and mental retardation (Feuerstein–Mims' syndrome), vitamin–D–resistant rickets. Besser FS. **Proc R Soc Med** 69(7):518–20, Jul 76

[Hypocalcemic vitamin D–resistant rickets] Kouřim J, et al. **Cesk Pediatr** 30(5):190–1, May 75 (Eng. Abstr.) **(Cze)**

[Odontologic study of a case of historic rachitis] Kerebel B, et al. **Rev Odontostomatol (Paris)** 3(2):133–8, Mar–Apr 74 **(Fre)**

[Proceedings: Polyostatic fibrous dysplasia with vitamin D–resistant rachitis] Karte H. **Monatsschr Kinderheilkd** 123(5):477, May 75 **(Ger)**

DIET THERAPY

Sodium chloride restriction and extracellular fluid volume contraction in hyperphosphatiuric vitamin D resistant rickets in the Lowe syndrome. Van Biervliet JP, et al. **Helv Paediatr Acta** 30(4–5):365–75, Jan 76

DRUG THERAPY

1,25–dihydroxyvitamin D3 and 1, alpha–hydroxyvitamin D3 in children: biologic and therapeutic effects in nutritional rickets and different types of vitamin D resistance. Balsan S, et al. **Pediatr Res** 9(7):586–93, Jul 75

[Vitamin–D–resistant rickets: results of 12 months combined vitamin D and phosphate therapy] Krohn HP, et al. **Monatsschr Kinderheilkd** 124(5):417–9, May 76 **(Ger)**

ETIOLOGY

Recessive hypophosphataemic rickets, and possible aetiology of the 'vitamin D–resistant' syndrome. Stamp TC, et al. **Arch Dis Child** 51(5):360–5, May 76

Letter: Hereditary hypophosphatemic bone disease. Stamp TC, et al. **N Engl J Med** 294(18):1011–3, 29 Apr 76

FAMILIAL & GENETIC

Autosomal recessive nonhyperaminoaciduric vitamin D–dependent rickets. Cantú JM. **Birth Defects** 10(4):294–300, 1974

[Clinico–genetic considerations on a case of hypophosphatemia associated with epilepsy] Truşcă E, et al. **Rev Med Intern [Neurol Psihiatr]** 19(4):361–8, Jul–Sep 74 **(Rum)**

[Familial hypophosphatemic vitamin D–resistant rachitis] Chernov AP, et al. **Ortop Travmatol Protez** (12):66–8, Dec 75 **(Rus)**

METABOLISM

Effects of a diphosphonate (disodium etidronate: EHDP) on phosphate metabolism in Paget's disease of bone, primary hyperparathyroidism and type I hypophosphataemic rickets. Walton RJ, et al. **Calcif Tissue Res** 21 Suppl:339–43, Aug 76

Exaggerated phosphaturic response to circulating parathyroid hormone in patients with familial X–linked hypophosphatemic rickets. Short E, et al. **J Clin Invest** 58(1):152–63, Jul 76

Increased bone mineral content in young adults with familial hypophosphatemic vitamin D refractory rickets. Harrison JE, et al. **Metabolism** 25(1):33–40, Jan 76

Intestinal phosphate transport in familial hypophosphatemic rickets. Glorieux FH, et al. **Pediatr Res** 10(7):691–6, Jul 76

THERAPY

Familial hypophosphatemic rickets with resolution in childhood. Kaitila I, et al. **Birth Defects** 11(6):352–3, 1975

RICKETTSIA

'Curing' Wolbachia infections in Culex pipiens. Portaro JK, et al. **J Med Entomol** 12(2):265, 30 Jun 75

[Use of the hemagglutination inhibition test to study the rickettsia bearing ticks in foci of tick–borne rickettsiosis in Asia in the Tuva ASSR and the Irkutsk region] Golovanova AK, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:69–71, 1973 **(Rus)**

[Rickettsial variability] Balaeva NM. **Zh Mikrobiol Epidemiol Immunobiol** (3):8–15, 1976 (74 ref.) **(Rus)**

[Characteristics of the culture, pathogenic and immunogenic properties of rickettsia isolated in the Czechoslovakian SSR] Iablonskaia VA. **Zh Mikrobiol Epidemiol Immunobiol** (2):133–4, Feb 76 **(Rus)**

ANALYSIS

Proteins of typhus and spotted fever group rickettsiae. Eisemann CS, et al. **Infect Immun** 14(1):155–62, Jul 76

DRUG EFFECTS

Effect of cyclophosphamide on the growth of Rickettsia sennetsu in experimentally infected mice. Tachibana N, et al. **Infect Immun** 12(3):625–9, Sep 75

IMMUNOLOGY

Indirect hemagglutination test of Rickettsia orientalis: its specificity for reference strains, Karp, Gilliam and Kato. Ishimaru M, et al. **Chin J Microbiol** 8(2):133–6, Jun 75

Purification of complement–fixing antigens of Rickettsia sennetsu by ether treatment. Tachibana N, et al. **Infect Immun** 13(4):1030–6, Apr 76

The soluble antigens of Rickettsia prowazeki, R. typhi and R. canada. Investigation of their interrelationship by various serological methods. Reiss–Gutfreund RJ, et al. **Z Immunitaetsforsch** 148(4):315–29, Feb 75

[Periarteritis nodosa with Rickettsia–positive serology] Gastaut JA, et al. **Nouv Presse Med** 5(10):639–40, 6 Mar 76 **(Fre)**

[Specific inhibition of rickettsial hemolysis by convalescent and immune sera] Wojciechowski E, et al. **Med Dosw Mikrobiol** 28(2):183–9, 1976 (Eng. Abstr.) **(Pol)**

[Production of antirickettsial sera by immunizing horses. II. Obtaining and testing an immune serum to D. sibericus] Barban PS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):27–31, Oct 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rocky Mountain spotted fever in Mississippi: survey for spotted fever antibodies in dogs and for spotted fever group reckettsiae in dog ticks. Sexton DJ, et al. **Am J Epidemiol** 103(2):192–7, Feb 76

Isolation of a spotted fever group rickettsia from the Pacific Coast tick, Ixodes pacificus, in Oregon. Hughes LE, et al. **Am J Trop Med Hyg** 25(3):513–6, May 76

Interference between Rickettsia orientalis and Encephalitozoon cuniculi in the same cell. Kitaoka M. **Chin J Microbiol** 8(2):179–82, Jun 75

Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in Central Slovakia with C. burneti and Rickettsiae belonging to the spotted fever (SF) group. Reháček J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):329–39, 1975

Isolation of viral and rickettsial agents from Panamanian Acarina. Yunker CE, et al. **J Med Entomol** 12(2):250–5, 30 Jun 75

[Study of rickettsias harbored by ticks (acaria, ixodoidea) in south–eastern France] Gilot B. **Bull Soc Pathol Exot** 68(6):529–38, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Comparative studies by the electron microscope of rhabdoviruses of plant and of animal origin. III. Egtved virus (VHS) of the rainbow trout (Salmo gairdneri) and rickettsia–like organisms (author's transl)] Özel M, et al. **Zentralbl Bakteriol [Orig A]** 230(1):1–14, Jan 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Rickettsial permeability. An ADP–ATP transport system. Winkler HH. **J Biol Chem** 251(2):389–96, 25 Jan 76

PATHOGENICITY

[Interrelationship of Ixodoidea ticks and Rickettsia canada] Ignatovich VF, et al. **Med Parazitol (Mosk)** 45(3):313–7, May–Jun 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Vital observations and microcinematography of the intracellular development of D. marinus and its interaction with cells] Kokorin IN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):50–2, May 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Development of Ehrlichia canis, causative agent of canine ehrlichiosis, in the tick Rhipicephalus sanguineus and its differentiation from a symbiotic Rickettsia. Smith RD, et al. **Am J Vet Res** 37(2):119–26, Feb 76

RICKETTSIA PROWAZEKII

[Argasid ticks (Argasidae) and Rickettsia prowazekii (experimental studies)] Grokhovskaia IM, et al. **Med Parazitol (Mosk)** 44(6):712–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Analysis of the heterogeneity of a Rickettsia prowazekii population using an epidermomembrane method] Pecherkina SA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):129–30, Jun 76 **(Rus)**

CYTOLOGY

[Current data on the polymorphism of Rickettsia prowazekii and burneti in cultured cells] Gulevskaia SA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):68–72, Jul 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effect of some new antibiotics and combination preparations

on Rickettsia prowazekii] Klimchuk ND. **Mikrobiol Zh** 36(5):634–7, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Enhancement of the antigenic activity and virulence of the vaccine strain E of Rickettsia prow azeki by passages in cell culture. Ignatovich VF. **Acta Virol (Praha)** 19(6):481–5, Nov 75

Microimmunofluorescence test for the serological study of rocky mountain spotted fever and typhus. Philip RN, et al. **J Clin Microbiol** 3(1):51–61, Jan 76

The soluble antigens of Rickettsia prowazeki, R. typhi and R. canada. Investigation of their interrelationship by various serological methods. Reiss-Gutfreund RJ, et al. **Z Immunitaetsforsch** 148(4):315–29, Feb 75

ISOLATION & PURIFICATION

[In 1974 the question we asked in 1950 is still discussed: do wild or domestic animals demonstrate a particular cycle of R. prowazeki conservation or an antigenic transformation of rickettsia] Giroud P, et al. **Bull Soc Pathol Exot** 68(1):14–8, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Rickettsial cell water and membrane permeability determined by a micro space technique. Winkler HH. **Appl Environ Microbiol** 31(1):146–9, Jan 76

Identification of cholesterol in the receptor site for rickettsiae on sheep erythrocyte membranes. Ramm LE, et al. **Infect Immun** 13(1):120–6, Jan 76

PATHOGENICITY

[Comparative study of the pathomorphology of an experimental infection caused by various strains of Rickettsia prowazekii] Barshtein IuA, et al. **Mikrobiol Zh** 36(2):218–23, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

RICKETTSIA RICKETTSII

A review of Rocky Mountain spotted fever (tick-borne typhus), its agent, and its tick vectors in the United States. Burgdorfer W. **J Med Entomol** 12(3):269–78, 25 Sep 75 (57 ref.)

IMMUNOLOGY

Preparation of Rocky Mountain spotted fever vaccine suitable for human immunization. Kenyon RH, et al. **J Clin Microbiol** 1(6):500–3, Jun 75

Comparison of three rocky mountain spotted fever vaccines. Kenyon RH, et al. **J Clin Microbiol** 2(4):300–4, Oct 75

Antibody response to Rocky Mountain spotted fever. Kenyon RH, et al. **J Clin Microbiol** 3(5):513–8, May 76

Microimmunofluorescence test for the serological study of rocky mountain spotted fever and typhus. Philip RN, et al. **J Clin Microbiol** 3(1):51–61, Jan 76

ISOLATION & PURIFICATION

Rickettsiae belonging to the spotted fever group from ticks in the Tribeč Mountains. Reháček J, et al. **Folia Parasitol (Praha)** 23(1):69–73, 1976

Evaluation ofprimary blood monocyte and bone marrow cell culture for the isolation of Rickettsia rickettsii. Buhles WC, et al. **Infect Immun** 12(6):1457–63, Dec 75

RICKETTSIA TSUTSUGAMUSHI

Cytological investigation of Rickettsia tsutsugamushi infection of mice with different allotypic susceptibility to the agent. Kokorin IN, et al. **Acta Virol (Praha)** 20(2):147–51, Apr 76

ISOLATION & PURIFICATION

Distribution of Rickettsia tsutsugamushi in organs of Leptotrombidium (Leptotrombidium) fletcheri (Prostigmata: Trombiculidae). Roberts LW, et al. **J Med Entomol** 12(3):345–8, 25 Sep 75

PATHOGENICITY

Different allotypic susceptibility of mice to Rickett-sia tsutsugamushi. Kekcheeva NG, et al. **Acta Virol (Praha)** 20(2):142–6, Apr 76

Host defenses in experimental scrub typhus: role of cellular immunity in heterologous protection. Shirai A, et al. **Infect Immun** 14(1):39–46, Jul 76

[Tromiculid mites of the southern Kurile Islands and their participation in the circulation of the causative agent of tsutsugamushi fever] Gopachenko IM, et al. **Med Parazitol (Mosk)** 45(3):289–94, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Study of the pathogenic properties of the causative agent of tsutsugamushi fever in the process of prolonged cultivation in an experimental animal] Plotnikova LF. **Zh Mikrobiol Epidemiol Immunobiol** (10):126–7, Oct 75 **(Rus)**

RICKETTSIA TYPHI

ENZYMOLOGY

Enzymatic activities of cell-free extracts of Rickettsia typhi. Coolbaugh JC, et al. **Infect Immun** 14(1):298–305, Jul 76

IMMUNOLOGY

The soluble antigens of Rickettsia prowazeki, R. typhi and R. canada. Investigation of their interrelationship by various serological methods. Reiss-Gutfreund RJ, et al. **Z Immunitaetsforsch** 148(4):315–29, Feb 75

ISOLATION & PURIFICATION

Separation of viable Rickettsia typhi from yolk sac and L cell host components by renografin density gradient centrifugation. Weiss E, et al. **Appl Microbiol** 30(3):456–63, Sep 75

RICKETTSIACEAE

Preservation of Cowdria ruminantium at low termperatures. Ilemobade AA, et al. **Res Vet Sci** 19(3):337–8, Nov 75

Four cases of naturally-occurring canine ehrlichiosis. Harper BE. **Vet Med Small Anim Clin** 70(10):1153–7, Oct 75

GROWTH & DEVELOPMENT

Development of Ehrlichia canis, causative agent of canine ehrlichiosis, in the tick Rhipicephalus sanguineus and its differentiation from a symbiotic Rickettsia. Smith RD, et al. **Am J Vet Res** 37(2):119–26, Feb 76

IMMUNOLOGY

[Immunologic comparison between some Wolbachiae and research of antigentic community with other members of the order of Rickettsiales] Croizier G, et al. **Bull Soc Pathol Exot** 68(2):133–41, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Isolation of spotted fever group and Wolbachia-like agents from field-collected materials by means of plaque formation in mammalian and mosquito cells. Cory J, et al. **Acta Virol (Praha)** 19(5):443–5, Sep 75

Pathogenesis of bovine petechial fever. Latent infections, immunity, and tissue distribution of Cytocetes ondiri. Snodgrass DR. **J Comp Pathol** 85(4):523–30, Oct 75

Canine ehrlichiosis (tropical canine pancytopenia) in Thailand. Davidson DE Jr, et al. **Southeast Asian J Trop Med Public Health** 6(4):540–3, Dec 75

ULTRASTRUCTURE

Ultrastructural observations on Ehrlichia equi organisms in equine granulocytes. Sells DM, et al. **Infect Immun** 13(1):273–80, Jan 76

Electron microscopy of Cowdria ruminantium infected reticulo-endothelial cells of the mammalian host. Plessis JL. **Onderstepoort J Vet Res** 42(1):1–13, Mar 75

RICKETTSIAL DISEASES

A review of the evidence in retrospect for a rickettsial etiology in Bullis fever. Anigstein L, et al. **Tex Rep Biol Med** 33(1):201–11, 1975 (26 ref.)

[Rickettsioses, pararickettsioses and the nervous system] Le Gac P. **Ann Ist Super Sanita** 10(3–4):275–96, 1974 **(Fre)**

[Acute pericarditis caused by Rickettsia conori] Grand A, et al. **Arch Mal Coeur** 68(11):1225–31, Nov 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

The effects of tumours in suppressing Haemobartonella muris in splenectomized rats. Allegretti N. **Eur J Cancer** 10(11):773–4, Nov 74

[Description of a case of polymorphous, diffuse angiopathy with a high titer of microagglutinating antibodies against Neorickettsia Q 18, in a patient with an aneurysm of the abdominal aorta] Zardi O, et al. **Boll Soc Ital Biol Sper** 52(4):232–7, 28 Feb 76 **(Ita)**

[Rickettsial infections in the etiology of chronic arterial occlusive diseases] Mansueto S. **Minerva Cardioangiol** 23(10):599–606, Oct 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Editorial: Chronic Q fever or Q fever endocarditis? **Lancet** 1(7970):1171–2, 29 May 76

[Reflections on the diagnosis and course of ricketsial papillitis. Discussion of 3 cases] Bronner A, et al. **Rev Otoneuroophtalmol** 47(3):213–8, May–Jun 75 **(Fre)**

[Materials from a study of natural foci of tick-borne Asian rickettsiosis using immunologic methods (HT and CFT)] Mironchuk IuV, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:63–8, 1973 **(Rus)**

[System of measures for the early detection and epidemiological evaluation of natural foci of diseases of viral and rickettsial etiology] Agafonov VI. **Voen Med Zh** (6):49–54, Jun 76 **(Rus)**

[The complex technology of producing rickettsial diagnostic immunoglobulin preparations and comparative technico-economic indices] Barban PS. **Zh Mikrobiol Epidemiol Immunobiol** (5):45–9, May 76 (Eng. Abstr.) **(Rus)**

[Use of Imam's test in the serodiagnosis of rickettsiosis] Sarycheva NI. **Zh Mikrobiol Epidemiol Immunobiol** (10):123, Oct 75 **(Rus)**

IMMUNOLOGY

Autoimmune factors associated with anaemia in acute Haemobartonella and Eperythrozoon infections of rodents. Cox HW, et al. **Ann Trop Med Parasitol** 70(1):73–9, Mar 76

[State and problems of the serological method of study in the immunology of rickettsiosis] Iablonskaia VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):16–20, Feb 76 (55 ref.) **(Rus)**

OCCURRENCE

[Serological survey of human brucellosis and rickettsial diseases in a group of a nomad population in the sahelian regions of Upper Volta] Gidel R, et al. **Ann Soc Belg Med Trop** 55(2):77–83, 1975 (Eng. Abstr.) **(Fre)**

[Study of rickettsial diseases in the Bobo region (right bank of the Black Volta)] Retel-Laurentin A, et al. **Bull Soc Med Afr Noire Lang Fr** 19(4):411–20, 1974 (Eng. Abstr.) **(Fre)**

[In 1974 the question we asked in 1950 is still discussed: do wild or domestic animals demonstrate a particular cycle of R. prowazeki conservation or an antigenic transformation of rickettsia] Giroud P, et al. **Bull Soc Pathol Exot** 68(1):14–8, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Serological studies on the occurrence of rickettsial infections in Togo (author's transl)] Schröter G, et al. **Tropenmed Parasitol** 26(3):323–8, Sep 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Comparative study of the pathomorphology of an experimental infection caused by various strains of Rickettsia prowazekii] Barshtein IuA, et al. **Mikrobiol Zh** 36(2):218–23, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

PREVENTION & CONTROL

[Rickettsial diseases (results and perspectives of the epidemiological studies)] Skvortsov VV, et al. **Sov Med** (8):67–70, Aug 75 (48 ref.) **(Rus)**

TRANSMISSION

A serological study of rickettsial infections in Iranian small mammals. Hamidi AN, et al. **Bull Soc Pathol Exot** 67(6):607–17, Nov–Dec 74

VETERINARY

Development of Ehrlichia canis, causative agent of canine ehrlichiosis, in the tick Rhipicephalus sanguineus and its differentiation from a symbiotic Rickettsia. Smith RD, et al. **Am J Vet Res** 37(2):119–26, Feb 76

The biology of the guinea pig. Bacterial, mycoplasma, and rickettsial diseases. pp. 121–35. Ganaway JR. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**

Tropical canine pancytopenia: role of aplastic anaemia in the pathogenesis of severe disease. Buhles WC Jr, et al. **J Comp Pathol** 85(4):511–21, Oct 75

Pathogenesis of bovine petechial fever. Latent infections, immunity, and tissue distribution of Cytocetes ondiri. Snodgrass DR. **J Comp Pathol** 85(4):523–30, Oct 75

Haemobartonella canis infection in research dogs. Pryor WH Jr, et al. **Lab Anim Sci** 25(5):566–9, Oct 75

Latent Haemobartonella muris infection: its transmission and decline in an inbred, ectoparasite-free strain of Wistar rat. Bartlett R, et al. **Parasitology** 71(1):35–40, Aug 75

Chemotherapy of experimental bovine petechial fever. Snodgrass DR. **Res Vet Sci** 20(1):108–9, Jan 76

Canine ehrlichiosis (tropical canine pancytopenia) in Thailand. Davidson DE Jr, et al. **Southeast Asian J Trop Med Public Health** 6(4):540–3, Dec 75

Four cases of naturally-occurring canine ehrlichiosis. Harper BE. **Vet Med Small Anim Clin** 70(10):1153–7, Oct 75

[Morphologic and virologic studies of the fetus and placenta in neorickettsial abortion in cattle] Angelov A, et al. **Vet Med Nauki** 12(7):20–7, 1975 (Eng. Abstr.) **(Bul)**

RICKETTSIAL VACCINES see under **VACCINES**

RICKETTSIALES

ISOLATION & PURIFICATION

[Intracellular prokaryotes in invertebrates] pp. 265–72. Vago C, et al. **In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.** (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Comparison of the organism causing greening disease with

several plant pathogenic gram negative bacteria, rickettsia-like organisms and mycoplasma-like organisms. pp. 89-96. Moll JN, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

RIDA see **SCRAPIE**

RIDA VIRUS see **SCRAPIE VIRUS**

RIFAMPICIN see **RIFAMPIN**

RIFAMPIN

Rifampin. Sanders WE Jr. **Ann Intern Med** 85(1):82-6, Jul 76

Spatial relationship of the sigma subunit and the rifampicin binding site in RNA polymerase of Escherichia coli. Wu CW, et al. **Biochemistry** 15(10):2097-104, 18 May 76

Molecular mechanism of the rifampicin -RNA polymerase interaction. Yarbrough LR, et al. **Biochemistry** 15(12):2669-76, 15 Jun 76

On the kinetics of the rifampicin-RNA-polymerase complex. Differences between crude and purified enzyme fractions. Handschin JC, et al. **Eur J Biochem** 66(2):309-17, 1 JUL 76

[Rifampicin: interactions with other drugs] Salvá JA, et al. **Arch Farmacol Toxicol** 1(1):83-90, Mar 75 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Single-dose rifampicin treatment of gonorrhoea. Gumaa SA, et al. **East Afr Med J** 53(1):19-20, Jan 76

The bactericidal effect of rifampicin on M. leprae in man: a) single doses of 600, 900 and 1200 mg; and b) daily doses of 300 mg. Levy L, et al. **Int J Lepr** 44(1-2):183-7, Jan-Jun 76

Effect of rifampicin for leprosy: comparative study with several doses and intervals of administration. Namba M, et al. **Int J Lepr** 44(1-2):198, Jan-Jun 76

Rifampin, oral contraceptives, and pregnancy. Skolnick JL, et al. **JAMA** 236(12):1382, 20 Sep 76

Controlled trial of intermittent regimens of rifampicin plus isoniazid for pulmonary tuberculosis in Singapore. **Lancet** 2(7945):1105-9, 6 Dec 75

Treatment of neuritis in borderline leprosy with rifampicin and corticosteroids--a pilot trial. Steenbergen GJ, et al. **Lepr Rev** 46(2):115-8, Jun 75

A controlled trial of daily and intermittent rifampicin plus ethambutol in the retreatment of patients with pulmonary tuberculosis: results up to 30 months. **Tubercle** 56(3):179-89, Sep 75

A controlled clinical trial of daily and intermittent regimens of rifampicin plus ethambutol in the retreatment of patients with pulmonary tuberculosis in Hong Kong. A Hong Kong Tuberculosis Treatment Services/Brompton Hospital/British Medical Research Council investigation. **Tubercle** 55(1):1-27, Mar 74

A controlled clinical trial of small daily doses of rifampicin in the prevention of adverse reactions to the drug in a once-weekly regimen of chemotherapy in Hong Kong: second report:-the results at 12 months. **Tubercle** 55(3):193-210, Sep 74

A Hong Kong Tuberculosis Treatment Services/Brompton Hospital/British Medical Research Council Investigation. **Tubercle** 55(1):1-27, Mar 74

A comparative study of daily followed by twice- or once-weekly regimens of ethambutol and rifampicin in the retreatment of patients with pulmonary tuberculosis: second report. **Tubercle** 57(2):105-13, Jun 76

Minimal inhibitory dosage of rifampicin in intermittent treatment of Mycobacterium leprae infection in mice. Pattyn SR, et al. **Zentralbl Bakteriol [Orig A]** 231(4):503-7, May 75

[Isoprodian in combination with ethambutol and rifampicin in the treatment of tuberculosis (author's transl)] Hoose C. **Prax Pneumol** 29(9):517-9, Sep 75 (Eng. Abstr.) **(Ger)**

[Influence of schizophyllan, streptomycin and rifampicin on histopathological changes in mice infected with tubercle bacilli (author's transl)] Komatsu N, et al. **Jpn J Antibiot** 28(4):549-57, Aug 75 (Eng. Abstr.) **(Jpn)**

[Comparative daily followed clinical study of treatment of chronic pulmonary tuberculosis with various combinations of ethambutol and rifampicin. Daily and intermittent method] **Gruzlica** 43(12):1067-98, Dec 75 (Eng. Abstr.) **(Pol)**

[Early results of treatment of chronic pulmonary tuberculosis with rifampicin and ethambutol adminstered intermittently once or twice a week preceded by a 3-month continuous administration] Kost A, et al. **Gruzlica** 43(8):719-26, Aug 75 (Eng. Abstr.) **(Pol)**

[Rifampicin combined with ethambutol and other antitubercular agents in the treatment of patients with chronic pulmonary tuberculosis. Early results. II. Analysis of causes of treatment interruption] Masztalerz J. **Pneumonol Pol** 44(2):153-61, Feb 76 (Eng. Abstr.) **(Pol)**

[Rifampicin combined with ethambutol and other antitubercular drugs in the treatment of patients with pulmonary tuberculosis. Early results. I. Bacteriological evaluation] Masztalerz J. **Pneumonol Pol** 44(1):55-60, 1976 (Eng. Abstr.) **(Pol)**

[Late results of treatment with rifampicin combined with SM and INH in newly detected cases of pulmonary tuberculosis] Szymański A. **Pneumonol Pol** 44(3):227-35, Mar 76 (Eng. Abstr.) **(Pol)**

[Combined rifampicin and ethambutol treatment of lupus vulgaris of the skin] Zieliński T, et al. **Pneumonol Pol** 44(3):261-6, Mar 76 (Eng. Abstr.) **(Pol)**

[Experimental study of schedules for intermittent administration of rifampicin and ethambutol] Kozulitsyna TI, et al. **Probl Tuberk** (5):72-5, May 76 (Eng. Abstr.) **(Rus)**

[Intermittent administration of rifadine in destructive forms of pulmonary tuberculosis] Sobolevskaia LI, et al. **Vrach Delo** (4):60-2, Apr 75 **(Rus)**

ADVERSE EFFECTS

Potentially serious side effects of intermittent treatment or repeated therapy with rifampicin. Danger of acute renal failure. Lornoy W. **Acta Clin Belg** 31(2):89-94, 1976

Ocular toxicity due to rifampicin. Cayley FE, et al. **Br Med J** 1(6003):199-200, 24 Jan 76

Letter: Ocular toxicity due to rifampicin. Girling DJ. **Br Med J** 1(6009):585, 6 Mar 76

Systemic reactions to intermittent rifampicin. Riska NV, et al. **Bull Int Union Tuberc** 49 suppl 1:280-5, Aug 74

IgE antibodies in patients allergic to rifampicin. Bassi L, et al. **Int Arch Allergy Appl Immunol** 51(3):390-4, 1976

Tubulointerstitial and glomerular nephritis associated with rifampin. Report of a case. Gabow PA, et al. **JAMA** 235(23k0):2517-8, 7 Jun 76

Rifampin-induced methadone withdrawal. Kreek MJ, et al. **N Engl J Med** 294(20):1104-6, 13 May 76

Letter: Reactions to rifampin. Mangi RJ. **N Engl J Med** 294(2):113, 8 Jan 76

Acute renal failure after rifampicin: a case report and survey of the literature. Nessi R, et al. **Nephron** 16(2):148-59, 1976 (48 ref.)

Acute renal failure due to rifampicin (R-ARF). Minetti L, et al. **Proc Eur Dial Transplant Assoc** 12:210-7, 1976

The influence of age and sex on the incidence of the 'flu' syndrome and rifampicin-dependent antibodies in patients on intermittent rifampicin for tuberculosis. **Tubercle** 56(3):173-8, Sep 75

Adverse reactions to short-course regimens containing streptomycin, isoniazid, pyrazinamide and rifampicin in Hong Kong. **Tubercle** 57(2):81-95, Jun 76

Renal failure during intermittent rifampicin therapy. Chan WC, et al. **Tubercle** 56(3):191-8, Sep 75

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazid for primary treatment: the influence of various factors on the frequency of side-effects. Eule H, et al. **Tubercle** 55(1):81-9, Mar 74 (14 ref.)

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazed for primary treatment: the influence of various factors on the frequency of side-effects. Eule H, et al. **Tubercle** 55(1):81-9, Mar 74

Hyperlipidaemia as a complication of rifampicin treatment. Khogali AM, et al. **Tubercle** 55(3):231-3, Sep 74

[A new case of acute renal failure, with high hemolysis, after rifampicin (author's transl)] Courtois R, et al. **Acta Tuberc Pneumol Belg** 66(6):508-12, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Classification of liver incidents occurring during antitubercular treatments which include rifampicin] Blanchon P, et al. **Ann Med Interne (Paris)** 125(12):919-22, Dec 74 **(Fre)**

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazed for primary treatment: the influence of various factors on the frequency off side-effects. Aubert MF, et al. **Ann Parasitol Hum Comp** 51(1):143-56, Jan-Feb 76 (Eng. Abstr.) **(Fre)**

[Daily and intermittent regimens using ethambutol and rifampicin in the treatment of unresponsive cases. (Evaluation after 1 year.) II. Side effects] Girling DJ. **Bull Int Union Tuberc** 49(1):451-5, 1974 **(Fre)**

[Letter: Immunoallergic thrombopenic purpura due to rifampicin] Devred C, et al. **Nouv Presse Med** 4(28):2042, 30 Aug-6 Sep 75 **(Fre)**

[Letter: Acute renal failure caused by rifampicin] Manasia M, et al. **Nouv Presse Med** 4(16):1212, 19 Apr 75 **(Fre)**

[Acute renal impairment during rifampicin therapy (author's transl)] Hanzl E, et al. **Prax Pneumol** 3(2):114-20, Feb 76 (Eng. Abstr.) **(Ger)**

[Use of leukocyte migration inhibition test in studying allergy to rifampicin] Janicka G. **Pol Tyg Lek** 31(1):13-4, 5 Jan 76 (Eng. Abstr.) **(Pol)**

[Study of adverse reactions in pulmonary tuberculosis patients treated with rifampicin] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 24(4):213-9, Oct-Dec 75 (Eng. Abstr.) **(Rum)**

[Renal complications after rifampicin] Mănescu N, et al. **Rev Ig [Pneumoftiziol]** 24(1):35-42, Jan-Mar 75 (Eng. Abstr.) **(Rum)**

[2 cases of hemolytic complications during intermittent treatment with rifampicin] Năstase M, et al. **Rev Ig [Pneumoftiziol]** 24(1):43-6, Jan-Mar 75 (Eng. Abstr.) **(Rum)**

[Side effects in strictly supervised treatment with rifampicin and ethambutol] Năstase M, et al. **Rev Ig [Pneumoftiziol]** 24(4):241-3, Oct-Dec 75 **(Rum)**

[Mechanism of the side effects of rifadin and ethambutol] Firsova LP, et al. **Probl Tuberk** (12):42-5, 1975 (Eng. Abstr.) **(Rus)**

[Tolerance of rifampicin in long-term treatment of patients with pulmonary tuberculosis] Fokina LV, et al. **Probl Tuberk** (21):34-9, Feb 76 (Eng. Abstr.) **(Rus)**

[Case of side effect of rifadin] Zhekiu EV. **Probl Tuberk** (9):84-6, 1975 **(Rus)**

ANALOGS & DERIVATIVES

Immunosuppressant activity of the ansamycins. Kasik JE, et al. **Antimicrob Agents Chemother** 9(3):470-3, Mar 76

ANALYSIS

Analysis of rifampin disk diffusion and stability in 7H10 agar. Bonalsky JR, et al. **Antimicrob Agents Chemother** 8(2):187-93, Aug 75

Proceedings: Autoradiographic studies of the distribution of rifampicin. Boman G. **Tubercle** 56(2):164, Jun 75

[Methods of determination of rifampicin concentration in sputum] Pawlowska I, et al. **Gruzlica** 43(11):969-75, Nov 75 (Eng. Abstr.) **(Pol)**

BLOOD

Decreased serum concentrations of rifampicin when given with PAS orally. pp. 33-9. Boman G.
In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.

Letter: Probenecid and serum-rifampicin. Allen BW, et al. **Lancet** 2(7948):1309, 27 Dec 75

[Quantitative and qualitative aspects of the interaction of antibiotics with proteins. I. Binding of rifampicin and novobiocin to human blood albumin] Chojnowski W, et al. **Acta Pol Pharm** 33(2):235-8, 1976 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

[Rifampicin therapy and circulating antibodies (author's transl)] Bube FW, et al. **Prax Pneumol** 29(10):579-82, Oct 75 **(Ger)**

[Study of the effect of rifampicin on certain immunological and protective reactions of the body] Shapovalova SP, et al. **Antibiotiki** 21(2):159-62, Feb 76 (Eng. Abstr.) **(Rus)**

METABOLISM

The penetration of dapsone, rifampicin, isoniazid and pyrazinamide into peripheral nerves. Allen BW, et al. **Br J Pharmacol** 55(1):151-5, Sep 75

Penetration of C14-labelled rifampicin into primate peripheral nerve. McDougall AC, et al. **Experientia** 31(9):1068-9, 15 SEP 75

Investigation on the serum and lung tissue level of rifampicin in man. Kiss IJ, et al. **Int J Clin Pharmacol Biopharm** 13(1):42-7, Jan 76

Trimethoprim and rifampicin: pharmacokinetic studies in man. Hamilton-Miller JM, et al. **J Antimicrob Chemother** 2(2):181-8, Jun 76

On the pharmacokinetics of rifampicin during treatment with intermittent administration. II. Influence of age and sex and of the patients. Iwainsky H, et al. **Scand J Respir Dis** 57(1):5-11, 1976

Implication of rifampicin-quinone in the irreversible binding of rifampicin to macromolecules. Bolt HM, et al. **Xenobiotica** 6(1):21-32, Jan 76

[Separation, determination and pharmacokinestics of rifampicin and its biotransformation products] Winsel K, et al. **Pharmazie** 31(2):95-9, 1976 **(Ger)**

[Rifampicin metabolism in patients with pulmonary tuberculosis] Pawlowska I, et al. **Gruzlica** 43(11):977-86, Nov 75 (Eng. Abstr.) **(Pol)**

[Concentration of rifampicin in pathological formations of resected lungs] Kislitsyna NA, et al. **Probl Tuberk** (6):79-81, 1975 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Melanotropic drugs and retinal functions. II. Effects of phenothiazine and rifampicin on the sheep ERG. Calissendorff B. **Acta Ophthalmol (Kbh)** 54(1):118-28, Feb 76

The use of dextran-coated charcoal for kinetic measurements: interaction between rifampicin and DNA-dependent RNA polymerase of Escherichia coli. Wyss E, et al. **Anal Biochem** 70(2):547-53, Feb 76

Interaction of chronic daily warfarin therapy and rifampin. O'Reilly RA. **Ann Intern Med** 83(4):506-8, Oct 75

Activity of rifampicin on Mycobacterium ulcerans. Havel A, et al. **Ann Soc Belg Med Trop** 55(2):105-8, 1975

Effect of amphotericin B and rifampin against Coccidioides immitis in vitro and in vivo. Huppert M, et al. **Antimicrob Agents Chemother** 9(3):406-13, Mar 76

Effects of ampicillin-amikacin and ampicillin-rifampin on enterococci. Iannini PB, et al. **Antimicrob Agents Chemother** 9(3):448-51, Mar 76

Activity of amphotericin B, 5-fluorocytosine, and rifampin against six clinical isolates of Aspergillus. Kitahara M, et al. **Antimicrob Agents Chemother** 9(6):915-9, Jun 76

Rifampin susceptibility of ribonucleic acid synthesis in a fragile Saccharomyces cerevisiae mutant. Venkov PV, et al. **Antimicrob Agents Chemother** 8(6):627-32, Dec 75

Induction and inhibition of hepatic drug metabolizing enzymes by rifampin. Pessayre D, et al. **Biochem Pharmacol** 25(8):943-9, 15 Apr 76

Mutational studies of the drug-resistance of M. tuberculosis with special reference to p-aminosalicylic acid, ethambutol, isoniazid and rifampicin. Alberghina M, et al. **Boll Ist Sieroter Milan** 54(6):437–44, 1975

Determination of the in vitro sensitivity of Brucella strains to rifampicin. Corbel MJ. **Br Vet J** 132(3):266–75, May–Jun 76

Resistance of Thiobacillus novellus to mitomycin C and rifampicin. Chow CT. **Can J Microbiol** 22(2):301–3, Feb 76

In vitro and in vivo studies of the action of rifampicin, clofazimine and B1912 on Mycobacterium marinum. Banerjee DK, et al. **Chemotherapy** 22(3–4):242–52, 1976

Evaluation of different antibiotic actions combined with rifampicin. In vitro synergism against Pseudomonas and Proteus. Urena MT, et al. **Chemotherapy** 21(2):82–9, 1975

In vitro transcription of a vesicular stomatitis virus mutant. pp. 103–8. Moreau MC, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Rifampicin sensitivity of clinical staphylococcal strains and the development of resistance during rifampicin therapy. pp. 265–8. Samoilova LN, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Trimethoprim and rifampicin: in vitro activities separately and in combination. pp. 103–6. Kerry DW, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Effect of rifampin on immunity to tuberculosis and on delayed hypersensitivity to purified protein derivative. Youmans AS, et al. **Infect Immun** 13(1):127–32, Jan 76

Mycobacterium leprae persisters after treatment with dapsone and rifampicin. Pattyn SR, et al. **Int J Lepr** 44(1–2):154–8, Jan–Jun 76

Modification of the response to 8 MeV electrons of auxotrophic strains of Escherichia coli by amino-acid deprivation and rifampicin. Bryant PE, et al. **Int J Radiat Biol** 28(2):147–54, Aug 75

Trimethoprim and rifampicin: in vitro activities separately and in combination. Kerry DW, et al. **J Antimicrob Chemother** 1(4):417–27, Dec 75

Method for the isolation of Escherichia coli K-12 mutants deficient in essential genes. Armstrong KA, et al. **J Bacteriol** 126(1):38–47, Apr 76

The effect of rifampicin on the stability of the messenger ribonucleic acid of Bacillus amyloliquefaciens as determined by DNA:RNA hybridization. Coleman G, et al. **J Gen Microbiol** 92(1):200–6, Jan 76

The effect of sublethal doses of rifampin on the sporulation of Clostridium botulinum. Hawirko RZ, et al. **J Gen Microbiol** 92(1):81–8, Jan 76

Inhibition of human cytomegalovirus by rifampin. Furukawa T, et al. **J Gen Virol** 28(3):855–62, Sep 75

Synergistic action of amphotericin B and rifampin against Candida species. Beggs WH, et al. **J Infect Dis** 133(2):206–9, Feb 76

Emergence of rifampin-resistant Mycobacterium tuberculosis in Massachusetts. Stottmeier KD. **J Infect Dis** 133(1):88–90, Jan 76

Replication of mycoplasmavirus MVL51. IV. Inhibition of viral synthesis by rifampin. Das J, et al. **J Virol** 18(3):969–76, Jun 76

Rifampin inhibition of bacteriophage phiX174 parental replicative-form DNA synthesis in an Escherichia coli dnaC mutant. Dumas LB, et al. **J Virol** 16(3):575–80, Sep 75

Letter: Induction of hepatic cortisol-6-hydroxylase by rifampicin. Yamada S, et al. **Lancet** 2(7981):366–7, 14 Aug 76

The effect of a single dose of rifampicin on the infectivity of the nasal discharge in leprosy (preliminary communication). Hogerzeil LM, et al. **Lepr Rev** 46(2 Suppl):147, Jun 75

Effect of rifampicin on development of tolerance to analgesic actions. Gispen WH, et al. **Life Sci** 17(2):247–51, 15 Jul 75

Rifampicin and the assay of folate and vitamin B12. Bate J, et al. **Med Lab Technol** 31(3):199–203, Jul 74

Biosynthesis of Escherichia coli RNA polymerase subunits upon release of rifampicin inhibition. Engbaek F, et al. **Mol Gen Genet** 143(3):297–9, 2 Feb 76

Initiation of DNA replication in Escherichia coli. II. Effect of rifampicin on the resumption of replication of F episome and chromosome upon the returning of dna mutants from a non-permissive to a permissive temperature. Hiraga S, et al. **Mol Gen Genet** 137(3):239–48, 1975

RNA polymerase mutants of Escherichia coli. III. A temperature-sensitive rifampicin-resistant mutant. Kawai M, et al. **Mol Gen Genet** 143(3):233–41, 2 Feb 76

A bacterial RNA polymerase mutant that renders lambda growth independent of the N and cro functions at 42 degrees C. Lecocq J, et al. **Mol Gen Genet** 145(1):53–64, 23 Apr 76

Effects of rifampicin on synthesis and functional activity of DNA-dependent RNA polymerase in Escherichia coli. Nakamura Y, et al. **Mol Gen Genet** 145(3):227–37, 15 Jun 76

Evidence against autorepression of the betabeta' operon in Escherichia coli. Tittawella IP. **Mol Gen Genet** 145(2):223–6, 7 May 76

Rifampicin-induced protein synthesis: A pre-requisite for increased expression of the beta beta' operon in Escherichia coli. Tittawella PB. **Mol Gen Genet** 146(1):79–83, 5 July 76

The effect of rifampicin on dapsone metabolism. Gelber RH, et al. **Proc West Pharmacol Soc** 18:330–4, 1975

Letter: Oral contraceptive failure due to drug interaction. Dommisse J. **S Afr Med J** 50(21):796, 15 May 76

Rifampicin (Lepetit) and its effects on human cells cultured in vitro. Srb V, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 17(1–2):7–56, 1974

Unfolding of the chromosome of Escherichia coli after treatment with rifampicin. Dworsky P. **Z Allg Mikrobiol** 15(4):243–7, 1975

Rifampicin effect on turberculin hypersensitivity and humoral antibody response in tuberculous guinea-pigs. Algeorge G, et al. **Z Immunitaetsforsch** 144(5):459–66, Feb 73

[Action of rifampicin on the reproduction of Aujeszky's disease virus] Tatarov G. **Vet Med Nauki** 13(3):85–91, 1976 (Eng. Abstr.) **(Bul)**

[Proceedings: Effect of some 'curing' agents on the resistance factors fi+ and fi-] Laub-Kupersztejn R, et al. **Arch Int Physiol Biochim** 83(2):382–4, May 75 **(Fre)**

[In-vitro potentiation of the anti-tuberculous effects of rifampicin and ethionamide by 4,4-diamino-diphenylsulphone (author's transl)] Havel A, et al. **Prax Pneumol** 29(8):453–8, Aug 75 (Eng. Abstr.) **(Ger)**

[In-vitro study of the effects of 4,4-diamino-diphenylsulphone in combination with isoniazid and rifampicin (author's transl)] Havel A, et al. **Prax Pneumol** 29(8):459–65, Aug 75 (Eng. Abstr.) **(Ger)**

[Influence of rifampicin on the metabolism of digitoxin] Peters U, et al. **Verh Dtsch Ges Inn Med** 81:1675–6, 1975 **(Ger)**

[Influence of rifampicin on the metabolic clearance of galactose and antipyrine as compared with hexobarbital] Zilly W, et al. **Verh Dtsch Ges Inn Med** 81:1677–80, 1975 **(Ger)**

[Establishment of immunologic memory by immune RNA. Effect of inhibitors of nucleic acid synthesis] Yamaguchi N, et al. **Jpn J Bacteriol** 30(1):172, Jan 75 **(Jpn)**

[The clinical significance of the critical drug concentration of rifampicin. Report 1. Studies on the MIC of rifampicin to tubercle bacilli isolated from the rifampicin untreated patients using 1% Ogawa medium (author's transl)] Baba H, et al. **Kekkaku** 51(1):1–5, Jan 76 (Eng. Abstr.) **(Jpn)**

[Immunosuppressive effects of rifampicin (author's transl)] Fujiwara H, et al. **Kekkaku** 51(2):47–53, Feb 76 (Eng. Abstr.) **(Jpn)**

[Transport of Ca-45 in rat intestine under the direct influence of hydrazide and rifampicin] Araszkiewicz Z, et al. **Pneumonol Pol** 44(6):541–6, 1976 (Eng. Abstr.) **(Pol)**

[Rifampicin effectiveness in experimental anaerobic gas infection] Poliak MS. **Antibiotiki** (9):829–33, Sep 75 (Eng. Abstr.) **(Rus)**

[Liver function in patients with chronic destructive pulmonary tuberculosis during complex treatment with rifampicin and ethambutol] Kharakter ZhZ, et al. **Probl Tuberk** (10):44–8, 1975 (Eng. Abstr.) **(Rus)**

[Rifampicin. Interactions with other drugs] Salvá JA, et al. **Arch Farmacol Toxicol** 1(1):82–90, Mar 75 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

A comparative survey of two schemes of tuberculostatics. Denys H, et al. **Acta Urol Belg** 43(4):376–85, Oct 75

Ventriculojugular shunt nephritis with Corynebacterium bovis. Successful therapy with antibiotics. Bolton WK, et al. **Am J Med** 59(3):417–23, Sep 75

Rifampin and cell-mediated immune responses in tuberculosis. Goldstein RA, et al. **Am Rev Respir Dis** 113(2):197–202, Feb 76

Letter: Tuberculosis care in general hospitals: Arizona's experience. Pearson JO. **Am Rev Respir Dis** 114(1):249–50, Jul 76

Lack of effect of rifampin on the antibody response to a viral antigen in patients with tuberculosis. Silvestri LG. **Am Rev Respir Dis** 112(5):739–41, Nov 75

Experiences with rifampicin. Aquinas M. **Bull Int Union Tuberc** 49 suppl 1:272–5, Aug 74

The impact of rifampicin on the treatment of tuberculosis. Bayliss CG. **Bull Int Union Tuberc** 49 suppl 1:140–3, Aug 74

Experiences with rifampicin. Mary Aquinas Sister. **Bull Int Union Tuberc** 49 suppl 1:137–9, Aug 74

Intermittent rifampicin treatment. Riska NV, et al. **Bull Int Union Tuberc** 49 suppl 1:276–9, Aug 74

Influence of immunosuppression on the action of antimycobacterial drugs in experimental tuberculosis. I. Effects of isoniazid, rifampicin and streptomycin on the survival of tuberculous mice immunosuppressed by azathioprine (Imuran). Trnka L, et al. **Chemotherapy** 22(6):353–61, 1976

Treatment of pharyngeal gonorrhoea. Aspects on the need for alternatives to penicillin for the treatment of gonococcal infections. pp. 289–91. Hansson H, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Long-term treatment of dapsone-resistant leprosy with rifampicin: clinical and bacteriological studies. Rees RJ, et al. **Int J Lepr** 44(1–2):159–69, Jan–Jun 76

Rifampicin in clinical use. Morrison-Smith J. **J Antimicrob Chemother** 1(4):353–4, Dec 75

Enhanced efficacy of amphotericin B and rifampicin combined in treatment of murine histoplasmosis and blastomycosis. Kitahara M, et al. **J Infect Dis** 133(6):663–8, Jun 76

Enhanced efficacy of amphotericin B and rifampicin combined in treatment of murine histoplasmosis and blastomycosis. Kitahara M, et al. **J Infect Dis** 133(6):663–8, Jun 76

Experimental osteomyelitis. IV. Therapeutic trials with rifampin alone and in combination with gentamicin, sisomicin, and cephalothin. Norden CW. **J Infect Dis** 132(5):493–9, Nov 75

Editorial: Rifampin in tuberculous meningitis. Sifontes JE. **J Pediatr** 87(6 Pt 1):1015–7, Dec 75

Evaluation of rifampicin in the treatment of tuberculous meningitis in children. Visudhiphan P, et al. **J Pediatr** 87(6 Pt 1):983–6, Dec 75

Meningococcal disease. Secondary attack rate and chemoprophylaxis in the United States, 1974. **JAMA** 235(3):261–5, 19 Jan 76

Letter: Meningococcal prophylaxis. Eickhoff TC. **JAMA** 234(2):150–1, 13 Oct 75

Editorial: Rifampicin: for tuberculosis only? **Lancet** 1(7954):290–1, 7 Feb 76

Letter: Rifampicin: for tuberculosis only? Gelzer J, et al. **Lancet** 1(7960):642, 20 Mar 76

Treatment of leprosy with rifampicin and isoprodian in 38 patients at St. Thomas Hospital, Chetput, Sout India. Aschhoff M. **Lepr Rev** 46(2 Suppl):173–8, Jun 75

Rifampicin and isoprodian in combination in the treatment of leprosy. Depasquale G. **Lepr Rev** 46(2 Suppl):179–80, Jun 75

Preliminary experience with combined therapy using rifampicin and isoprodian (L73A). Freerksen E. **Lepr Rev** 46(2 Suppl):161–3, Jun 75

Preliminary experience with rifampicin and isoprodian (L73A)—combination in lepromatous leprosy. Hamzah M, et al. **Lepr Rev** 46(2 Suppl):181–7, Jun 75

Clinical and bacteriological effects of rifampicin in combination with L73A in leprosy: observation for six months. Innami S, et al. **Lepr Rev** 46(2 Suppl):169–72, Jun 75

Preliminary experience with rifampicin and isoprodian in combination in leprosy treatment. Krenzien HN. **Lepr Rev** 46(2 Suppl):189–98, Jun 75

Treatment of leprosy with clofazimine, rifampicin and Bayrena. Languillon J. **Lepr Rev** 46(2 Suppl):81–4, Jun 75

Antibiotics in leprosy, with special reference to rifampicin. Opromolla DV, et al. **Lepr Rev** 46(2 Suppl):141–5, Jun 75

A controlled clinical trial of continuous and intermittent rifampicin therapy during an initial three months period in lepromatous leprosy: final analysis. Pattyn SR, et al. **Lepr Rev** 46(2 Suppl):129–39, Jun 75

Rifampicin in the treatment of reactions in leprosy. Rampen F. **Lepr Rev** 47(1):75–6, Mar 76

Rifampicin: the investigation of a bactericidal antileprosy drug. Rees RJ. **Lepr Rev** 46(2 Suppl):121–4, Jun 75

Report of combined therapy in leprosy with rifampicin and isoprodian conducted at the Bisidimo-center, Ethiopia. Rohde R. **Lepr Rev** 46(2 Suppl):199–205, Jun 75

The use of rifampicin in the treatment of leprosy. Saerens EJ. **Lepr Rev** 46(2 Suppl):125–8, Jun 75

Treatment of leprosy with rifampicin and isoprodian (L73A). Terencio de las Aguas J. **Lepr Rev** 46(2 Suppl):165–8, Jun 75

Preliminary report of a drug trial conducted at Leprosy Relief Rural Centre, Chettipatty, South India. Vomstein E. **Lepr Rev** 46(2 Suppl):207–13, Jun 75

Letter: Prophylaxis of meningococcal infections. Jacobson JA. **N Engl J Med** 294(15):843–4, 8 Apr 76

A comparison of rifampicin, ethambutol or PAS in short-term monotherapy in pretreated cavitary pulmonary tuberculosis. **Pneumonologie** 153(1):43–59, 12 Dec 75

Serologic studies on the occurrence of specific rifampicin antibodies during continuous rifampicin treatment—its frequency and significance. Kropp R, et al. **Pneumonologie** 153(2):109–17, 9 Apr 76

Effect of rifampin, clofazimine, and B1912 on the viability of Mycobacterium leprae in established mouse footpad infection. Holmes IB, et al. **Proc Soc Exp Biol Med** 151(4):637–41, Apr 76

[Microbiologic findings in a controlled trial of rifampicin and tetracycline for the treatment of severe endemic trachoma in Tunisia] Dawson CR, et al. **Rev Int Trach** 51(4):59–69, 1974 **(Eng, Fre)**

Treatment of isoniazid-resistant pulmonary tuberculosis with ethambutol, rifampicin and capreomycin: a co-operative study in England and Wales. Andrews RH, et al. **Tubercle** 55(2):105–13, Jun 74

Serum enzyme changes in patients receiving antituberculosis therapy with rifampicin or p-aminosalicylic acid, plus isoniazid and streptomycin. Baron DN, et al. **Tubercle** 55(2):115–20, Jun 74

[Long-term results in the treatment of zoster by rimaktan] Brnobić A, et al. **Lijec Vjesn** 97(10):585–6, Nov 75 (Eng. Abstr.) **(Cro)**

[Changes in the incidence of microscopically positive findings along with negative culture of M. tuberculosis in patients treated with rifampicin] Popovic I, et al. **Plucne Bolesti Tuberk** 27(1–2):47–52, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

[Antibiotic treatment of acne vulgaris. Clinical and laboratory results] Bartošová L, et al. **Cesk Dermatol** 50(4):226–34,

Aug 75 (Eng. Abstr.) (Cze)
[Daily and intermittent regimens using ethambutol and rifampicin in the treatment of unresponsive cases. (Evaluation after 1 year.) I. Clinical course] Horsfall PA. **Bull Int Union Tuberc** 49(1):447–51, 1974 (Fre)
[Controlled comparison of daily and intermittent treatment regimens with rifampicin] Yamamoto K. **Bull Int Union Tuberc** 49(1):442–6, 1974 (Fre)
[Treatment of experimental brucellosis of mice and guinea pigs by rifampicin] Philippon A, et al. **Dev Biol Stand** 31:279–86, 1976 (Eng. Abstr.) (Fre)
[Comparative study of the effect of rifampicin, of tetracycline and of a placebo in the treatment of trachoma] Daghfous T, et al. **Rev Int Trach** 51(4):71–80, 1974 (Eng. Abstr.) (Fre)
[Results of treatment with rifampicin in 39 patients hospitalized in our service during 1970–1971–1972] Maalej M, et al. **Tunis Med** 52(6):313–6, Nov–Dec 74 (Fre)
[Therapy of tuberculosis with Rifampicin in childhood (author's transl)] Simon K. **Med Klin** 70(25):1095–7, 20 Jun 75 (Eng. Abstr.) (Ger)
[Anti–Tuberculous therapy with rifampicin and ethambutol during pregnancy (author's transl)] Jentgens H. **Prax Pneumol** 30(1):42–5, Jan 76 (Eng. Abstr.) (Ger)
[Supplement to the 1972 recommendations for the therapy of respiratory tract tuberculosis] Steinbrück P, et al. **Z Erkr Atmungsorgane** 143(1):3, Apr 75 (Ger)
[Study on the incidence of Australia antigen in a controlled experiment of treatment with rifampicin] Patricolo MR. **Arch Monaldi** 29(5–6):477–82, Sep–Dec 74 (Ita)
[A case of psittacosis treated with rifampicin (author's transl)] Kanazawa Y, et al. **Jpn J Antibiot** 29(6):601–6, Jun 76 (Eng. Abstr.) (Jpn)
[The clinical significance of the critical drug concentration of rifampicin. Report 2. Clinical investigation: the emergence and reversion of resistance (author's transl)] Baba H, et al. **Kekkaku** 51(1):7–12, Jan 76 (Eng. Abstr.) (Jpn)
[Rifampicin treatment for pulmonary tuberculosis--effectiveness of rifampicin on tubercle bacilli in pulmonary lesions (author's transl)] Kameda K, et al. **Kekkaku** 50(7):185–9, Jul 75 (Eng. Abstr.) (Jpn)
[Organization, administration and results of strictly supervised treatment with rifampicin and ethambutol in a group of chronic tubercular patients in the Constanta area] Marinescu L, et al. **Rev Ig [Pneumoftiziol]** 23(5):445–50, Oct–Dec 74 (Eng. Abstr.) (Rum)
[Rifampicin in the therapy of gonorrheal urethritis in men] Levochkin AM, et al. **Antibiotiki** 21(3):270–2, Mar 76 (Eng. Abstr.) (Rus)
[Study of rifampicin in the treatment of tuberculosis and nonspecific inflammatory lung diseases] Rudoi NM, et al. **Antibiotiki** 20(10):945–8, Oct 75 (Eng. Abstr.) (Rus)
[Use of rifadin and ethambutol in pulmonary tuberculosis with concomitant diseases] Pak FP, et al. **Probl Tuberk** (5):78–80, May 76 (Rus)
[Rifadin in the treatment of ocular tuberculosis] Vyrenkova TE, et al. **Vestn Oftalmol** (6):65–8, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Effective serum concentration of antimicrobial agents and intervals of bacteriological by negative tests in tuberculosis] Porven G, et al. **Rev Asoc Argent Microbiol** 6(3):110–8, Sep–Dec 74 (Eng. Abstr.) (Spa)

TOXICITY

[Liver toxicity of rifampicin] pp. 148–52. Austerhoff A, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. (Ger)

URINE

Sensitive microbiological method for the detection of rifampicin in urine. Mitchison DA, et al. **Tubercle** 55(3):245–8, Sep 74

RIFAMYCINS

Dissociation kinetics of complexes between the antibiotic rifamycin and DNA-dependent RNA polymerase from Escherichia coli. Stender W, et al. **Eur J Biochem** 65(2):333–9, 1 Jun 76
The influence of lipophilicity on the antibacterial activity of rifamycins. Pelizza G, et al. **Experientia** suppl 23:53–7, 1976
Determination of the solution conformation of rifamycin S and derivatives by nuclear magnetic resonance. Casey ML, et al. **J Am Chem Soc** 97(21):6231–6, 15 Oct 75
Letter: Electronegative groups at C–3 of rifamycin S enhance its activity toward DNA-dependent RNA polymerase. Dampier MF, et al. **J Am Chem Soc** 97(21):6254–6, 15 Oct 75

ADMINISTRATION & DOSAGE

Treatment of chronic and subacute infections of bone by means of continuous instillation of Rifamycin S.V. Patel SA, et al. **East Afr Med J** 52(7):396–404, Jul 75

ANALYSIS

[Aanalysis and stability of rifamycin SV. 1. Analysis] Bornschein M, et al. **Pharmazie** 30(8):527–9, Aug 75 (Ger)

BIOSYNTHESIS

Rifamycin G, a further product of Nocardia mediterranei metabolism. Lancini G, et al. **J Antibiot (Tokyo)** 29(4):466–8, Apr 76
[Actinomadura cremea var. rifamycini, a producer of rifamycin O] Gauze GF, et al. **Antibiotiki** 20(11):963–6, Nov 75 (Rus)
[Production of active mutants of a new species of rifamycin producer resistant to specific actinophage] Lapchinskaia OA, et al. **Antibiotiki** 20(5):393–7, May 75 (Eng. Abstr.) (Rus)
[Lysogeny in a new species of rifamycin producer] Zhunaeva VV, et al. **Antibiotiki** 20(6):496–8, Jun 75 (Rus)

CHEMICAL SYNTHESIS

Hydrazones of 3–formylrifamycin SV. II – Hydrazide–hydrazones and semicarbazones: synthesis, antibacterial activity and other biological properties. Cricchio R, et al. **Farmaco [Sci]** 30(9):695–703, Sep 75
Hydrazones of 3–formylrifamycin SV. III – N(mono and di)substituted hydrazone derivatives: synthesis, antibacterial activity and other biological properties. Cricchio R, et al. **Farmaco [Sci]** 30(9):704–20, Sep 75
Electrochemical oxidation of halomicin B to rifamycin S. Ganguly AK, et al. **J Org Chem** 41(7):1258–60, 2 Apr 76

ISOLATION & PURIFICATION

[Chromatographic control of the process of rifamycin B isolation and purification] Dzegilenko NB, et al. **Antibiotiki** 21(2):115–8, Feb 76 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

On the effect of inhibitors of transcription and translation on RNA and protein synthesis by isolated rat liver mitochondria. Gadaleta MN, et al. **Arch Biochem Biophys** 172(1):238–45, Jan 76
Inhibition of the binding of progesterone receptor to nuclei: effects of o–phenanthroline and rifamycin AF/013. Lohmar PH, et al. **Biochem Biophys Res Commun** 67(1):8–15, 3 Nov 75
Mechanism of inhibition of RNA polymerase II and poly(adenylic acid) polymerase by the O–n–octyloxime of 3–formylrifamycin SV. Rose KM, et al. **Biochemistry** 14(16):3598–604, 12 Aug 75
Mechanism of action of rifamazine, a member of a new class of (dimeric) rifamycins. Fietta AM, et al. **Eur J Biochem** 52(2):391–400, 17 Mar 75
The modification of DNA–dependent RNA polymerase from Escherichia coli by an alkylating derivative of rifamycin SV. Stender W, et al. **Eur J Biochem** 56(1):129–36, 1 Aug 75
The inhibitory effect of rifamycin–SV on macrophage mediated erythrocyte lysis. Melsom H. **Exp Cell Res** 95(1):1–8, 1 Oct 75
Surface activity of drugs: oximes of 3–formylrifamycin SV. Pelizza G, et al. **Farmaco [Sci]** 31(1):31–40, Jan 76
Mechanism of inhibition of RNA tumor virus reverse transcriptase by rifamycin SV derivatives. pp. 273–91. Gurgo C, et al.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.
Susceptibility of Salmonella typhi to rifamycins and novobiocin. Shanson DC, et al. **J Antimicrob Chemother** 2(1):81–6, Mar 76
R17 RNA replicase. V. Rifamycin sensitivity of R17 RNA synthesis in vivo. Igarashi SJ, et al. **J Biochem (Tokyo)** 77(6):1261–9, Jun 75
Inhibition of infectious Rous sarcoma virus production by rifamycin derivative. Szabo C, et al. **J Virol** 18(2):445–53, May 76
The rifamycin derivative AF/013 is cytolytic. Scheer U. **Mol Pharmacol** 11(6):883–8, Nov 75
[Effect of 3–formylrifamycin SV and of some of its oxime derivatives on RNA synthesis in mitochondria isolated from rat liver] Gadaleta MN, et al. **Boll Soc Ital Biol Sper** 52(3):138–43, 15 Feb 76 (Ita)
[Effect of rifamycin SV and of some of its derivatives on malate–glutamate oxidation in rat liver mitochondria] Pepe G, et al. **Boll Soc Ital Biol Sper** 52(3):132–7, 15 Feb 76 (Ita)
[Rifamycin group antibiotics] Mezentsev AS. **Antibiotiki** 20(6):560–71, Jun 75 (Rus)

THERAPEUTIC USE

Rifamycin in neonatal flavobacteria meningitis. Lee EL, et al. **Arch Dis Child** 51(3):209–13, Mar 76
Effect of rifamycin and tilorone derivatives on Friend virus leukemia in mice. Rana MW, et al. **Proc Soc Exp Biol Med** 150(1):32–5, Oct 75
[Value of rifamycin sv used in situ in urologic surgery] Patoir G, et al. **Lille Med** 21(1 suppl 1):8–12, Jan 76 (Fre)
[Letter: Action of rifamycin S.V. on herpes viruses (varicella and herpes). Clinical trials] Brunel D, et al. **Nouv Presse Med** 5(7):437, 14 Feb 76 (Fre)
[Rifampicin group antibiotics in the treatment of staphylococcal septicemia in children] Bieniek B, et al. **Pol Tyg Lek** 31(20):833–5, 17 May 76 (Eng. Abstr.) (Pol)

TOXICITY

Effect of the rifamycin dimers on the activities of nucleic acid polymerases from various sources. Relation between lipophily and toxicity. Talpaert–Borlé M, et al. **J Antibiot (Tokyo)** 28(8):580–9, Aug 75

RIFOMYCINS see **RIFAMYCINS**

RIFT VALLEY FEVER

VETERINARY

Observations on the epidemiology of Rift Valley fever in Kenya. Davies FG. **J Hyg (Camb)** 75(2):219–30, Oct 75
Studies on the epidemiology of Rift Valley Fever. Swanepoel R. **J S Afr Vet Assoc** 57(2):93–4, Jun 76

RIFT VALLEY FEVER VIRUS see under **ARBOVIRUSES**

RIGOR MORTIS

DIAGNOSIS

[Distribution pattern of rigor mortis in various joint regions] Mittmeyer HJ. **Beitr Gerichtl Med** 33:85–96, 1975 (Eng. Abstr.) (Ger)

PATHOLOGY

Ultrastructural differences induced by heat in red and white avian muscles in rigor mortis. Dahlin KJ, et al. **J Ultrastruct Res** 56(1):96–106, Jul 76
The diameter and mean sarcomere length of individual muscle fibres. Hooper AC, et al. **Life Sci** 17(5):775–8, 1 Sep 75

RILEY–DAY SYNDROME see **AUTONOMIC DYSFUNCTION**

RILEY VIRUS see **LACTATE DEHYDROGENASE VIRUS**

RILEY VIRUS see under **RNA VIRUSES**

RINDERPEST

Wildlife rinderpest. pp. 245–55. Scott GR.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w. (22 ref.)

ETIOLOGY

Experimental infection of white–tailed deer with rinderpest virus. Hamdy FM, et al. **J Wildl Dis** 11(4):508–15, Oct 75

PREVENTION & CONTROL

[Serological survey of the immunity confered by antirinderpest vaccination in Ethiopia] Lefevre PC, et al. **Rev Elev Med Vet Pays Trop** 27(2):177–81, 1974 (Eng. Abstr.) (Fre)

RINDERPEST VIRUS

GROWTH & DEVELOPMENT

[Propagation of the lapinized strain of rinderpest virus in the organ culture of rabbit lymph node tissue (author's transl)] Ishikawa Y, et al. **Virus (Tokyo)** 25(1–2):58–66, Sep 75 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Autoimmunity induced in rabbits by rinderpest virus. Fukuda A, et al. **Infect Immun** 13(5):1449–53, May 76
Diminished antibody response to rinderpest vaccination in cattle undergoing experimental East Coast fever. Wagner GG, et al. **Res Vet Sci** 19(2):209–11, Sep 75

RINGWORM see **TINEA**

RIOT CONTROL AGENTS, CHEMICAL

Medical aspects of riot control (harassing) agents. Sanford JP. **Annu Rev Med** 27:421–9, 1976 (34 ref.)

ADVERSE EFFECTS

The effects of external ocular irritation on intraocular pressure. Rengstorff RH. **Am J Optom Physiol Opt** 52(9):587–90, Sep 75

PHARMACODYNAMICS

The effect of the riot control agent dibenz(b,f)–1,4–oxazepine (CR) in the rabbit eye. Rengstorff RH, et al. **Toxicol Appl Pharmacol** 34(1):45–8, Oct 75

RIOTS

see related
VIOLENCE

A race riot's effect on psychological symptoms. Greenley JR, et al. **Arch Gen Psychiatry** 32(9):1189–95, Sep 75
Riot injuries to policemen. An analysis of 808 policemen injured in roiting between 1969 and 1972 in Northern Ireland. James WV. **Injury** 7(1):41–3, Aug 75

RISK see under **PROBABILITY**

RISK-TAKING see under **GAMBLING**

RISTOCETIN

ANTAGONISTS & INHIBITORS

Letter: Heparin and ristocetin-reduced platelet aggregation. Pekcelen Y, et al. **Br Med J** 4(5988):101-2, 11 Oct 75

Proceedings: Two cases of von Willebrand's disease with specific inhibitors of ristocetin induced aggregation of normal platelets. Blombäck M, et al. **Thromb Diath Haemorrh** 34(2):583, 15 Nov 75

Proceedings: Inhibition of bovine factor VIII and ristocetin plus human factor VIII induced platelet agglutination by small peptides. Macfarlane DE. **Thromb Diath Haemorrh** 34(2):582-3, 15 Nov 75

Proceedings: Inhibition of ristocetin-induced platelet aggregation (RIPA) by Haemaccel and fibrinogen. Stibbe J, et al. **Thromb Diath Haemorrh** 34(2):583, 15 Nov 75

Proceedings: Drug inhibition of ristocetin-induced platelet aggregation. Tann G, et al. **Thromb Diath Haemorrh** 34(1):340-1, 30 Sep 75

Platelet glycocalicin: a single receptor for platelet aggregation induced by thrombin or ristocetin. Okumura T, et al. **Thromb Res** 8(5):701-6, May 76

The influence of Haemaccel, fibrinogen and albumin on ristocetin-induced platelet aggregation. Relevance to the quantitative measurement of the ristocetin cofactor. Stibbe J, et al. **Thromb Res** 8(2):151-65, Feb 76

BLOOD

Proceedings: Interaction of ristocetin (R), von Willebrand factor (vWF), factor VIII clotting activity (VIIIc) and platelets. Zucker MB, et al. **Thromb Diath Haemorrh** 34(2):582, 15 Nov 75

DIAGNOSTIC USE

Ristocetin in the diagnosis of von willebrand's disease: a comparison of rate and percent of aggregation with levels of the plasma factor(s) necessary for ristocetin aggregation. Dowling SV, et al. **Thromb Diath Haemorrh** 34(2):465-74, 15 Nov 75

[Von Willebrand's disease. Studies on platelet function, ristocetin induced platelet aggregation and factor VIII related antigen (author's transl)] Mimaya J, et al. **Jpn J Clin Hematol** 16(8):775-84, Aug 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Further studies of the interaction between ristocetin and fibrinogen. Goh AT, et al. **Haemostasis** 5(2):57-65, 1976

Comparative studies of available ristocetins: proteolytic activity and effect on platelets. Jenkins CS, et al. **Thromb Res** 7(4):531-42, Oct 75

PHARMACODYNAMICS

Letter: Ristocetin-induced platelet aggregation. Firkin BG, et al. **Blood** 46(4):654-5, Oct 75

Effects of ADP and ATP on bovine fibrinogen- and ristocetin-induced platelet aggregation in Glanzmann's thrombasthenia. Cohen I, et al. **Br J Haematol** 31(3):343-7, Nov 75

Function and ultrastructure of platelets of neonates: enhanced ristocetin aggregation of neonatal platelets. Ts'ao CH, et al. **Br J Haematol** 32(2):225-33, Feb 76

Willebrand factor and ristocetin-induced platelet aggregation. pp. 139-43. Meyer D, et al. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.**

Platelet membrane glycoproteins implicated in ristocetin-induced aggregation. Studies of the proteins on platelets from patients with Bernard-Soulier syndrome and von Willebrand's disease. Jenkins CS, et al. **J Clin Invest** 57(1):112-24, Jan 76

Platelet-bound ristocetin aggregation factor in normal subjects and patients with von Willebrand's disease. Green D, et al. **J Lab Clin Med** 87(6):976-86, Jun 76

Absence of ristocetin aggregation factor from the skin of a patient with von Willebrand's disease. Potter EV, et al. **Lancet** 1(7958):514-5, 6 Mar 76

Proceedings: Variations in quantitative ristocetin platelet aggregation (RPA) with time after platelet rich plasma (PRP) preparation: association with alteration in pH. Coller BS, et al. **Thromb Diath Haemorrh** 34(2):581-2, 15 Nov 75

Factor VIII (Willebrand) antigen and ristocetin-Willebrand factor in pigs with von Willebrand's disease. Fass DN, et al. **Thromb Res** 8(3):319-27, Mar 76

[Willebrand's disease and platelet adhesiveness in the presence of ristocetine] Alexander P, et al. **Blut** 31(2):87-94, Aug 75 **(Fre)**

[Ristocetin-induced platelet aggregation in von Willebrand's disease, thrombasthenia and essential athrombia with special reference to AHF-like antigen (author's transl)] Ishiguro J, et al. **Jpn J Clin Hematol** 16(7):716-24, Jul 75 (Eng. Abstr.) **(Jpn)**

RISTOMYCIN

ANALOGS & DERIVATIVES

Structural investigation of the antibiotic ristomycin A. Synthesis of ristobiose and ristotriose. Sztaricskai F, et al. **J Antibiot (Tokyo)** 29(6):626-31, Jun 76

PHARMACODYNAMICS

[Use of lincomycin, methicillin and ristomycin in the nutrient media for isolating pathogenic intestinal microorganisms] Givental NI, et al. **Antibiotiki** 20(10):911-7, Oct 75 (Eng. Abstr.) **(Rus)**

RITALIN see **METHYLPHENIDATE**

RITODRINE see under **PROPANOLAMINES**

RITTER'S DISEASE see **DERMATITIS EXFOLIATIVA**

RNA

see related
NISSL BODIES
NUCLEIC ACID DENATURATION
NUCLEIC ACID HYBRIDIZATION
RIBOSOMES

Nucleic acids in the pathogenesis of human leukemia. Introductory remarks. Polli EE. **Acta Haematol (Basel)** 54(4):197-200, 1975

Acid-catalyzed release of purines and pyrimidines from nucleic acids in liquid hydrogen fluoride. Gonser GL, et al. **Anal Biochem** 71(2):519-26, Apr 76

Determination of 2'-O-methyl groups in 32P-labeled RNAs. Klein I, et al. **Anal Biochem** 74(2):263-72, Aug 76

Uncertainty in the determination of the molecular weight of poly(A)-containing RNA. MacLeod MC. **Anal Biochem** 68(1):299-310, Sep 75

An automated procedure for the analysis of methylated nucleosides in nuclear RNA and mRNA. Nazar RN, et al. **Anal Biochem** 74(2):615-9, Aug 76

Symmetry in nucleic acid structure and its role in protein-nucleic acid interactions. Sobell HM. **Annu Rev Biophys Bioeng** 5:307-35, 1976 (136 ref.)

Properties of a discrete high molecular weight poly (A) containing mitochondrial RNA. Cleaves GR, et al. **Arch Biochem Biophys** 175(1):303-11, Jul 76

The absence in human serum of a ribonuclease that hydrolyses double stranded RNA. Körner AM. **Biochem Biophys Res Commun** 68(3):699-703, 9 Feb 76

RNA double helices generated from crystal structures of double helical dinucleoside phosphates. Rosenberg JM, et al. **Biochem Biophys Res Commun** 69(4):979-87, 19 Apr 76

Destabilization of the secondary structure of RNA by ribosomal protein S1 from Escherichia coli. Szer W, et al. **Biochem Biophys Res Commun** 70(3):957-64, 7 Jun 76

The size of poly(A)-containing RNAs in Drosophila melanogaster embryos. Lamb MM, et al. **Biochem Genet** 14(3-4):357-71, Apr 76

Ribosomal and informational ribonucleoprotein complexes of animal cells. Study on rat liver ribonucleic acids as constituents of ribonucleoprotein complexes by chromatography on nucleoprotein-celite columns. Lichtenstein AV, et al. **Biochem J** 147(3):447-56, Jun 75

Association of nucleic acids with complexes of N-methyl isatin-beta-thiosemicarbazone and copper. Mikelens PE, et al. **Biochem Pharmacol** 25(7):821-7, 1 Apr 76

Plant mitochondrial nucleic acids. Leaver CJ, et al. **Biochem Soc Symp** (38):175-93, 1973

Alpha-S-cysteinylthymine: a model for protein-nucleic acid cross-linking. Berman HM, et al. **Biochemistry** 15(3):463-7, 10 Feb 76

Dual labeling in standard DNA-RNA hybridization studies using 125 I-labeled nuclear RNA and 3H-labeled DNA. Garrett CT, et al. **Biochemistry** 15(11):2466-72, 1 Jun 76

Relationship between nuclear and cytoplasmic RNA in Drosophila cells. Levy B, et al. **Biochemistry** 15(11):2415-9, 1 Jun 76

The buoyant density of three double-stranded RNAs in cesium sulfate. Bozarth RF. **Biochim Biophys Acta** 442(1):32-6, 2 Aug 76

Investigation of human lymphocyte plasma membrane associated nucleic acid. Melera PW, et al. **Biochim Biophys Acta** 432(3):300-11, 19 May 76

Interaction of nucleic acids with electrically charged surfaces. II. Conformational changes in double-helical polynucleotides. Brabec V, et al. **Biophys Chem** 4(1):79-92, Jan 76

Influence of the sugar configuration on the structure of RNA by conformational analysis of the ribose-phosphate unit. Broch H, et al. **Biopolymers** 14(4):695-713, Apr 75

Circular dichroism of flow-oriented nucleic acids. II. Comparison between observed and calculated spectra. Chung SY, et al. **Biopolymers** 14(7):1531-45, Jul 75

Differences in the red fluorescence of acridine orange bound to single-stranded RNA and DNA. Ichimura S. **Biopolymers** 14(5):1033-47, May 75

Ethidium bromide-dinucleotide complexes. Evidence for intercalation and sequence preferences in binding to double-stranded nucleic acids. Krugh TR, et al. **Biopolymers** 14(1):197-210, Jan 75

Analysis of O2'-methylnucleoside 5'-phosphates in snake venom hydrolysates of RNA: identification of O2'-methyl-5-carboxymethyluridine as a constituent of yeast transfer RNA. Gray MW. **Can J Biochem** 53(7):735-46, Jul 75

Comparison of the products of the reaction of 7-methylbenz(a)anthracene 5,6-oxide and RNA, with those formed in 7-methylbenz(a)anthracene-treated cells. Baird WM, et al. **Cancer Res** 36(7 PT 1):2306-11, Jul 76

Monoclonal IgM surface immunoglobulin on lymphocytes of aging NZB mice and its induction in young mice by RNA. Bhoopalam N, et al. **Clin Exp Immunol** 16(2):243-58, Feb 74

The site of 5S RNA genes in human chromosome 1. Atwood KC, et al. **Cytogenet Cell Genet** 15(1):50-4, 1975

Ultrastructural organization and biochemical characterization of chromatin - RNA - protein complexes isolated from mammalian cell nuclei. Bachellerie JP, et al. **Eur J Biochem** 58(2):327-37, 15 Oct 75

Rapidly labelled RNA in Tetrahymena pyriformis. Pousada CR, et al. **Eur J Biochem** 56(1):117-22, 1 Aug 75

Poly(A)-associated RNA from the mitochondrial fraction of the fungus Trichoderma. Rosen D, et al. **Eur J Biochem** 63(2):525-32, 1 Apr 76

Comparison of cytoplasmic and nuclear poly(A)-containing RNA sequences in Xenopus liver cells. Ryffel GU. **Eur J Biochem** 62(2):417-23, 16 Feb 76

Molecular-weight determination of animal-cell RNA by electrophoresis in formamide under fully denaturing conditions on exponential polyacrylamide gels. Spohr G, et al. **Eur J Biochem** 62(2):313-22, 16 Feb 76

Conformation of RNA in situ as studied by acridine orange staining and automated cytofluorometry. Darżynkiewicz Z, et al. **Exp Cell Res** 95(1):143-53, 1 Oct 75

Chromosome structure. pp. 5-18. Ris H. **In: Fenogilo CM, et al., ed. Developmental genetics. New York, Stratton, 1976. W1 AD716 v.3 1976.**

Nucleotide sequences by nuclear RNA species. pp. 125-38. Busch H, et al. **In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.**

Evidence of the existence of a stable structural RNA in nuclear ribonucleoprotein particles carrying HnRNA. pp. 75-80. Niessing J, et al. **In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.**

Sequence composition and organization of the genome and of the nuclear RNA of higher organisms: an approach to understanding gene regulation. pp. 304-23. Holmes DS, et al. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.**

Removal of nucleic acids in SCP. pp. 158-78. Sinskey AJ, et al. **In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.** (15 ref.)

The base displacement model: an explanation for the conformational and functional changes in nucleic acids modified by chemical carcinogens. pp. 175-87. Grunberger D, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Interaction of mithramycin with nucleic acids. Chowdhury K, et al. **Indian J Biochem Biophys** 13(1):84-6, Mar 76

Trinitrophenylation of nucleic acids and their constituents. Azegami M, et al. **J Biochem (Tokyo)** 78(2):409-20, Aug 75

Polyanion-induced release of polyribosomes from HeLa cell nuclei. Goidl JA, et al. **J Biol Chem** 250(23):9198-205, 10 Dec 75

Molecular hybridization of RNA and DNA in situ' visualization at the electron microscope level. Jacob J, et al. **J Microsc (Oxf)** 106(2):185-98, Mar 76

Evidence for an association of most nuclear RNA with chromatin. Kimmel CB, et al. **J Mol Biol** 102(2):177-91, 5 Apr 76

RNA double-helical fragments at atomic resolution. II. The crystal structure of sodium guanylyl-3',5'-cytidine nonahydrate. Rosenberg JM, et al. **J Mol Biol** 104(1):145-67, 14 Jun 76

RNA double-helical fragments at atomic resolution. I. The crystal and molecular structure of sodium adenylyl-3',5'-uridine hexahydrate. Seeman NC, et al. **J Mol Biol** 104(1):109-44, 14 Jun 76

Axonal transport of RNA during regeneration of the optic nerves of goldfish. Ingoglia NA, et al. **J Neurobiol** 6(6):549-63, Nov 75

Breaking action of ascorbic acid on nucleic acids. Omura H, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(4):237-9, 1975

Chemical methods for the reduction of the purine content of baker's yeast, a form of single-cell protein. Trevelyan WE. **J Sci Food Agric** 27(3):225-30, Mar 76

Degradation of DNA . RNA hybrids by aggregates of pancreatic ribonuclease. Libonati M, et al. **J Sports Med** 1(4):292-8, 1973

Electron microscopy of single and double stranded nucleic acid: a new technique. Thach SS, et al. **J Ultrastruct Res** 55(1):70-8, Apr 76

The radioiodination of RNA and DNA to high specific activities. Prensky W. **Methods Cell Biol** 13:121-52, 1976

Particular small size RNA and RNA fragments from different origins as tumor inducing agents in Datura stramonium. Beljanski M, et al. **Mol Biol Rep** 2(6):497-506, Jul 76

The presence of 5 S RNA genes in two consecutive chromosome bands in Chironomus tentans. Wieslander L. **Mol Biol Rep** 2(3):189-94, Oct 75

Molecular evolution of 5S RNA. Hori H. **Mol Gen Genet** 145(2):119–23, 7 May 76
Enzyme induction in mammalian cells defective in 28S ribosomal RNA formation. Wiebel FJ, et al. **Nature** 259(5541):331–3, 29 Jan 76
Ring current shielding effects in nucleic acid double helices. Arter DB, et al. **Nucleic Acids Res** 3(6):1437–47, Jun 76
Studies on the low molecular weight RNA associated with 28S ribosomal RNA from Crotalus durissus terrificus liver. Giorgini JF, et al. **Nucleic Acids Res** 3(1):165–75, Jan 76
Complex formation between nuclear RNA and mitochondrial proteins. Kyriakidis D, et al. **Nucleic Acids Res** 2(9):1579–90, Sep 75
Function of DNA polymerase I in RNA-primed synthesis of bacteriophage M-13 duplex DNA. Schneck PK, et al. **Nucleiç Acids Res** 3(3):599–613, Mar 76
Hybridization of labeled RNA to DNA in agarose gels. Shinnick TM, et al. **Nucleic Acids Res** 2(10):1911–29, Oct 75
Basic polypeptides as histone models. Effect of conformation, base composition and methylation of nucleic acids on the interaction with H1 and histone models and on the circular dichroism of complexes. Sponar J, et al. **Nucleic Acids Res** 3(2):507–21, Feb 76
Analysis of the possible helical structures of nucleic acids and polynucleotides. Application of (n–h) plots. Yathindra N, et al. **Nucleic Acids Res** 3(3):729–47, Mar 76
The elimination of ribonucleic acid interference in the spectrophotometric determination of protein concentration. Oellermann RA. **Onderstepoort J Vet Res** 41(4):221–4, Dec 74
Voices in the labyrinth: dialogues around the study of nature. Chargaff E. **Perspect Biol Med** 18(2):251–85, Win 75 (Eng. Abstr.)
Inheritance of killer phenotypes and double-stranded RNA in Ustilago maydis. Koltin Y, et al. **Proc Natl Acad Sci USA** 73(2):594–8, Feb 76
Hydrolytic stability of helical RNA: a selective advantage for the natural 3',5'-bond. Usher DA, et al. **Proc Natl Acad Sci USA** 73(4):1149–53, Apr 76
Diethyl pyrocarbonate in nucleic acid research. Ehrenberg L, et al. **Prog Nucleic Acid Res Mol Biol** 16:189–262, 1976 (272 ref.)
Interaction with nucleic acids of carcinogenic and mutagenic N-nitroso compounds. Lijinsky W. **Prog Nucleic Acid Res Mol Biol** 17:247–69, 1976 (82 ref.)
Studies on interaction of 4-nitroquinoline 1-oxide with RNA of hamster embryo cells. Kanamaru R, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 21(3–4):69–75, Dec 74
[Double-stranded sequences in RNA transcribed in vitro by E. coli RNA polymerase on wheat nuclear DNA] Tuffet A, et al. **C R Acad Sci [D] (Paris)** 281(13):933–6, 29 Sep 75 (Eng. Abstr.) **(Fre)**
[Correlation of the volume of the perineural oligodendroglia of the cerebral cortex with their RNA level] Oksova EE. **Arkh Anat Gistol Embriol** 68(5):11–4, May 75 (Eng. Abstr.) **(Rus)**
[Substrate specificity of Aspergillus clavatus intracellular acid RNAase] Ivanova GS, et al. **Biokhimiia** 41(3):482–6, Mar 76 (Eng. Abstr.) **(Rus)**
[Specific interaction of serum proteins from healthy subjects with double-helix RNA] Podgorodnichenko VK, et al. **Dokl Akad Nauk SSSR** 224(4):974–6, 1 Oct 75 **(Rus)**
[Method of selective damage to cells with different levels of ribonucleic acid synthesis] Polikarpova SI, et al. **Dokl Akad Nauk SSSR** 224(1):216–9, Sep–Oct 75 **(Rus)**
[The possibility of recognition of nucleic bases by amino acids and peptides with the help of hydrogen bonds] Bruskov VI. **Mol Biol (Mosk)** 9(2):304–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Conformational isomers of low-molecular nuclear RNA] Kozlov AP, et al. **Mol Biol (Mosk)** 10(1):78–83, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Information transfer in the biosphere and possible evolutionary significance of this process] Kordium VA. **Usp Sovrem Biol** 81(1):51–67, Jan–Feb 76 **(Rus)**
[Integration and expression of the oncornavirus type D genome in transplantable cells] Zhdanov VM, et al. **Vopr Onkol** 21(8):64–8, 1975 (Eng. Abstr.) **(Rus)**

ANALYSIS

Cytophotometric studies of the DNA, nucleic acid and protein content of human liver cell nuclei. Ranek L. **Acta Cytol (Baltimore)** 20(2):151–7, Mar–Apr 76
Extraction of DNA and RNA from fixed mammalian tissues with two organic acids. Dutt MK. **Acta Histochem (Jena)** 53(2):315–6, 1975
The fluorometric determination of nucleic acids in pea seeds by use of ethidium bromide complexes. El Hamalawi AR, et al. **Anal Biochem** 67(2):384–91, Aug 75
Double-stranded ribonucleic acid in Agaricus bisporus. Marino R, et al. **Appl Environ Microbiol** 31(3):433–8, Mar 76
Subcellular distribution of total poly (A) –containing RNA and ferritin-mRNA in the cytoplasm of rat liver. Zähringer J, et al. **Biochem Biophys Res Commun** 68(4):1088–93, 23 Feb 76
Calculation of the circular dichroism of bihelical ribonucleic acids as a function of nucleotide composition. Cox RA, et al. **Biochem J** 155(2):292–5, 1 May 76
Artifacts in the centrifugation of ribosomal and heterogenous ribonucleic acid in '99%-dimethyl sulphoxide' gradients. Maxwell IH. **Biochem J** 153(2):509–12, 1 Feb 76
Base composition studies on mitochondrial 4 S RNA from rat liver and Morris hepatomas 5123D and 7777. Chia LL, et al. **Biochim Biophys Acta** 425(1):49–62, 18 Feb 76
Ribosomal RNA genes in the nucleus and chloroplast of Euglena. Gruol D, et al. **Biochim Biophys Acta** 414(1):20–9, 18 Nov 75
Abundant species of poly(A)-containing RNA from Saccharomyces cerevisiae. Shalitin C, et al. **Biochim Biophys Acta** 414(3):263–72, 19 Dec 75
Purification and properties of nucleic acids from an unusual cytoplasmic organelle in the flagellate protozoan Crithidia oncopelti. Spencer R, et al. **Biochim Biophys Acta** 390(2):141–54, 1 May 75
Pyrolysis mass spectrometric studies on nucleic acids. Posthumus MA, et al. **Biomed Mass Spectrom** 1(5):352–7, Oct 74
Complexity and characterization of polyadenylated RNA in the mouse brain. Bantle JA, et al. **Cell** 8(1):139–50, May 76
Methylated constituents of heterogeneous nuclear RNA: presence in blocked 5' terminal structures. Perry RP, et al. **Cell** 6(1):13–9, Sep 75
Polyamines and nucleic acids in brains and hearts of newborn and adult autophagous and heterophagous vertebrates. Seiler N, et al. **Comp Biochem Physiol [B]** 52(3):419–25, 15 Nov 75
Sequence complexity of the RNA accumulated in oocytes of Arbacia punctulata. Anderson DM, et al. **Dev Biol** 51(1):138–45, 1 Jul 76
Subcellular distribution and properties of poly(A)-containing RNA from cultured plant cells. Covey SN, et al. **Eur J Biochem** 63(2):599–606, 1 Apr 76
Polyadenylated RNA from Vicia faba meristematic root cells. Localization and size estimation of the poly (A) segment. Esnault R, et al. **Eur J Biochem** 60(1):83–9, 1 Dec 75
Nuclear RNA in sea urchin embryos. II. Absence of 'cRNA'. Alfageme CR, et al. **Exp Cell Res** 96(2):263–70, Dec 75
Localization and characterization of newly synthesized nuclear RNA in isolate rat hepatocytes. Fakan S, et al. **Exp Cell Res** 99(1):155–64, Apr 76
The characteristics of shuttling RNAs confirmed. Goldstein L, et al. **Exp Cell Res** 96(2):297–302, Dec 75
A method for distinction between RNA and DNA in aldehyde and osmiumtetroxide-fixed electron microscopic autoradiographs. Egger D, et al. **Experientia** 31(11):1371–3, 15 Nov 75
Evidence for double stranded RNA region in macrophage antigen-binding RNP. Waldman SR, et al. **Immunochemistry** 12(10):787–90, Oct 75
DNA sequences from which double-stranded RNA is transcribed. pp. 217–32. Naora H, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**
Nuclear RNA from rabbit bone marrow cells. pp. 497–501. Coutelle C, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**
Growth and development in different regions of human fetal brain: changes in wet weight, moisture content and nucleic acids. Subba Rao K, et al. **Indian J Med Res** 64(1):144–53, Jan 76
Free amino and nucleic acids changes in brain tissue of the preweanling malnourished rats. Katiyar GP, et al. **Indian Pediatr** 12(8):629–33, Aug 75
Determination of 5-fluorouridine and 5-fluorocytidine in RNA hydrolysates using high-performance ion-exclusion chromatography. Kaiser II, et al. **J Chromatogr** 111(1):242–5, 20 Aug 75
DNA-RNA bodies in midgut cells of the stick insect, Bacillus rossius. Scali V, et al. **J Exp Zool** 193(3):361–7, Sep 75
Variations in hybridization of RNA from different mouse tissues and embryos to endogenous C-type virus DNA transcripts. Mukherjee BB, et al. **J Gen Virol** 28(1):129–35, Jul 75
Cytochemical differentiation of nucleic acids with a Schiff-methylene blue sequence. Garvin AJ, et al. **J Histochem Cytochem** 24(4):587–90, Apr 76
Quantitation of fluorescence fading phenomena for identifying intracellular biopolymers. West SS, et al. **J Histochem Cytochem** 24(1):59–63, Jan 76
Ribonucleoprotein organization of polyadenylate sequences in HeLa cell heterogeneous nuclear RNA. Kish VM, et al. **J Mol Biol** 95(2):227–38, 25 Jun 75
Phylogenetic measurement in procaryotes by primary structural characterization. Sogin SJ, et al. **J Mol Evol** 1(1):173–84, 1971
Regional distribution of RNA, DNA and protein in the brain of male garden lizard during ageing. Padhi SC, et al. **J Neurochem** 26(3):617–9, Mar 76
Characterizatiion of rat genetic sequences of Kirsten sarcoma virus: distinct class of endogenous rat type C viral sequences. Scolnick EM, et al. **J Virol** 18(2):559–66, May 76
Microanalysis of RNA from defined cellular components. Lambert B, et al. **Methods Cell Biol** 10:17–47, 1975
Staining of RNA after polyacrylamide gel electrophoresis. Marcinka K. **Methods Cell Biol** 10:49–68, 1975
Radioiodine labeling of ribopolymers for special applications in biology. Scherberg NH, et al. **Methods Cell Biol** 10:343–59, 1975
Chromatin-associated RNA content of heterochromatin and euchromatin. Paul J, et al. **Mol Cell Biochem** 9(1):9–16, 31 Oct 75
Lymphocyte stimulation: a rapid multiparameter analysis. Darzynkiewicz Z, et al. **Proc Natl Acad Sci USA** 73(8):2881–4, Aug 76
Size of primary transcripts in Ehrlich ascites cells as measured by tetraphosphate determination. Schmincke CD, et al. **Proc Natl Acad Sci USA** 73(6):1994–8, Jun 76
The use of a basic dye (azure A or toluidine blue) plus a cationic surfactant for selective staining of RNA: a technical and mechanistic study. Bennion PJ, et al. **Stain Technol** 50(5):307–13, Sep 75
The use of methyl green-pyronin staining after glutaraldehyde fixation and paraffin or araldite embedding. Jurand A, et al. **Tissue Cell** 8(2):389–94, 1976
The origin of 7 S RNA in virions of avian sarcoma viruses. Erikson E, et al. **Virology** 72(2):518–22, 15 Jul 76
The use of spermidine for the isolation of nuclei from mouse liver. Studies of purity and yield during different physiological conditions. Christensson E, et al. **Z Naturforsch [C]** 29(5–6):267–71, May–Jun 74
[Attempts at localisation and evaluation of the RNA amounts in the tail and the cytoplasmic droplet of bull spermatozoa] Henriet L. **Andrologia** 7(1):39–48, 1975 **(Fre)**
[Preparative electrophoresis in agarose gel of thyroid ribonucleic acids] Besson JE, et al. **Biochimie** 57(5):665–6, 1975 **(Fre)**
[Effects of colchicine on the content of ribonucleic acids and total proteins of cultured nerve cells. Preliminary study] Noel-Courtey B. **Bull Assoc Anat (Nancy)** 59(164):235–40, Mar 75 (Eng. Abstr.) **(Fre)**
[Cytophotometric studies on the levels of proteins and RNA in the nuclei of the apical crest ane the epiblast of the limb bud of the green lizard (Lacerta viridis Laur.) and the blindworm (Anguis fragilis L)] Raynaud A, et al. **C R Acad Sci [D] (Paris)** 280(23):2693–6, 16 Jun 75 (Eng. Abstr.) **(Fre)**
[Differences in RNA related to the intersterility of wild type strains of Ascobolus immersus (author's transl)] Hamelin C, et al. **Experientia** 31(8):920–1, 15 Aug 75 (Eng. Abstr.) **(Fre)**
[DNA and RNA determination in normal and pathologically changed placentas] Gerner R, et al. **Arch Gynaekol** 219(1–4):379–80, 18 Nov 75 **(Ger)**
[Size comparison of poly (A)-RNA from polysomes and from nuclei of the yeast Saccharomyces cerevisiae (author's transl)] Angermann K, et al. **Z Naturforsch [C]** 31(1–2):85–90, Jan–Feb 76 **(Ger)**
[Characterisation of RNA from synchronously growing yeast cells (Saccharomyces cerevisiae) as separated by columns of methylated albumin on Kieselgur (MAK) (author's transl)] Braun R. **Z Naturforsch [C]** 30(2):248–52, Mar–Apr 75 (Eng. Abstr.) **(Ger)**
[Biochemical changes in guinea pigs treated with large doses of hydrocortisone. VII. Effect of hydrocortisone on the DNA and RNA levels as well as some parameters of protein metabolism in the guinea pig liver cells] Hepa J. **Endokrynol Pol** 26(4):381–90, Jul–Aug 75 (Eng. Abstr.) **(Pol)**
[Absorption spectra of nucleic acids and related compounds in the spectral region 120—280 nm] Kiseleva MN, et al. **Biofizika** 20(4):561–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Isolation of RNA containing a polyadenylic acid sequence by chromatography on unmodified cellulose] Zerov IuP. **Biokhimiia** 41(1):35–9, Jan 76 (Eng. Abstr.) **(Rus)**
[Morphological and biochemical study of the organs of immunogenesis during the growth of established glioblastoma multiforme in albino rat brain] Bezuglova TV, et al. **Biull Eksp Biol Med** 80(7):84–8, Jul 75 (Eng. Abstr.) **(Rus)**
[Change in the RNA content in the rat endometrium under the action of estrogen-megestrol and neurotropic substances] Nikitina GV, et al. **Biull Eksp Biol Med** 80(8):98–9, Aug 75 (Eng. Abstr.) **(Rus)**
[Cytoplasmic RNA of rat liver] Gorbach ZV. **Dokl Akad Nauk SSSR** 224(2):472–4, 11 Sep 75 **(Rus)**
[Change in the content and biosynthesis of RNA in the process of development of a Saccharomyces carlsbergensis culture] Baranova SI, et al. **Mikrobiologiia** 44(5):825–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Study of ribonucleoprotein particles by the method of RNA chromatography on a column of nucleoprotein-celite] Likhtenshtein AV, et al. **Mol Biol (Mosk)** 10(1):55–63, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Polar distribution of RNA in the cytoplasm of Acetabularia mediterranea] Naumova LP, et al. **Ontogenez** 6(1):99–104, 1975 (Eng. Abstr.) **(Rus)**
[Polar distribution of RNA in the cytoplasm of Acetabularia mediterranea] Naumova LP, et al. **Ontogenez** 6(1):99–104, 1975 (Eng. Abstr.) **(Rus)**
[Fractionation of the ribonucleic acid of human thrombocytes] Egorova VA, et al. **Probl Gematol Pereliv Krovi** 21(2):24–6, Feb 76 (Eng. Abstr.) **(Rus)**
[Polyadenylic acid sequences in different classes of RNA] Zerov IuP. **Usp Sovrem Biol** 81(1):21–36, Jan–Feb 76 (159 ref.) **(Rus)**
[Effects of malnutrition on the maturity of the C.N.S. II. Development of size, RNA and proteins in the brain and cerebellum] González-Sastre F, et al. **Arch Neurobiol (Madr)** 38(4):304–20, Jul–Aug 75 (Eng. Abstr.) **(Spa)**
[The relationship between the high embryonic mortality in swine and the heterogeneity of embryos of the same

generation in RNA and SH-group content] Kvasnyts'kyĭ OV, et al. **Fiziol Zh** 21(5):642–8, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Affinity chromatography of nucleic acids and carbohydrates] Varbanets LD, et al. **Mikrobiol Zh** 38(3):382–9, 1976 (63 ref.) **(Ukr)**

[Use of the orcin reaction for the simultaneous determination of the RNA and DNA content in tissues] Bezrobnyĭ IuV, et al. **Ukr Biokhim Zh** 48(2):239–43, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

Effect of whole-body irradiation on the synethesis of ribonucleic acid associated with nuclear ribonucleoprotein particles of rat liver. Ferencz A, et al.
Acta Biochim Biophys Acad Sci Hung 11(1):11–22, 1976

Patterns of macromolecular synthesis in a developing hydroid. Edwards NC. **Acta Embryol Exp (Palermo)** (3):177–98, 1975

RNA, protein and DNA synthesis stimulated by testosterone, insulin and prolactin in the rat ventral prostate cultured in chemically defined medium. Johansson R.
Acta Endocrinol (Kbh) 80(4):761–74, Dec 75

Action of growth-promoting hormones on macromolecular biosynthesis during lobulo-alveolar development of the entire mammary gland in organ culture. Mehta RG, et al.
Acta Endocrinol (Kbh) 80(3):501–16, Nov 75

RNA synthesis in the ovarian follicle cells of Periplaneta americana during vitellogenesis. Subramoniam TP.
Acta Histochem (Jena) 55(1):104–9, 1976

Autoradiographic localisation of 3H-uridine in spinal ganglion neurones of the rat and the effects of methyl mercury poisoning. Carmichael N, et al.
Acta Neuropathol (Berl) 34(2):137–48, 15 Mar 76

Studies on the RNA synthesized in the ovary of immature rats after PMS administration. Ozaki M, et al.
Acta Obstet Gynaecol Jpn 21(1):49–57, Jan 74

Synthesis of prolactin and RNA in rat adenohypophysis after prolonged administration of estrogens. De Nicola AF, et al. **Acta Physiol Lat Am** 25(3):238–40, 1975

Age-dependent changes of uridine nucleotide and RNA metabolism in the brain of normal and hypothyroid rats. Duvilanski BH, et al. **Acta Physiol Lat Am** 25(3):165–71, 1975

The dynamics of production and the sensitivity to cycloheximide and actinomycin D of interferon-inducing and interferon messenger RNA. Orlova TG, et al.
Acta Virol (Praha) 20(1):9–14, Feb 76

Alteration in cerebral polynucleotide metabolism following chronic ethanol ingestion. Tewari S, et al.
Adv Exp Med Biol 59:37–53, 1975 (41 ref.)

Alteratons in RNA synthesis in lymphotoxin-treated target cells. Kunitomi G, et al. **Am J Pathol** 80(2):249–60, Aug 75

Protein synthesis and RNA in tissues of the pig. Garlick PJ, et al. **Am J Physiol** 230(4):1108–12, Apr 76

Biosynthesis of ribonucleic acids. Richardson JP.
Angew Chem [Engl] 14(7):445–52, Jul 75 (89 ref.)

Inhibitory effect of interferon on DNA and RNA synthesis in murine spleen cells stimulated by lectins. Pacheco D, et al. **Ann Immunol (Paris)** 127(2):163–71, Mar–Apr 76

Proceedings: Autoradiographical studies on RNA synthesis in healthy and TYMV infected Chinese cabbage: effect of actinomycin D. Garnier M, et al.
Ann Microbiol (Paris) 127A(1):69–73, Jan 76

Proceedings: Biochemical studies on RNA synthesis in healthy and TYMV infected Chinese cabbage: effect of actinomycin D. Mamoun R, et al.
Ann Microbiol (Paris) 127A(1):65–7, Jan 76

Ribonucleic acid synthesis dependent on exogenous triphosphates in nystatin-treated cells of of Kluyveromyces latis. Badaracco G, et al. **Antimicrob Agents Chemother** 9(5):748–53, May 76

Rifampin susceptibility of ribonucleic acid synthesis in a fragile Saccharomyces cerevisiae mutant. Venkov PV, et al. **Antimicrob Agents Chemother** 8(6):627–32, Dec 75

Polyamine metabolism, RNA synthesis, and proliferation in density-Inhibited 3T3 cells. Clark JL, et al.
Arch Biochem Biophys 172(2):551–7, Feb 76

Synthesis of polyadenylic acid RNA during zoospore differentiation and germination in Blastocladiella emersonii. Jaworski AJ. **Arch Biochem Biophys** 173(1):201–9, Mar 76

Proceedings: Transcriptional capacity of isolated nuclei from cryptobiotic embryos and nauplii of Artemia salina. Swennen L, et al. **Arch Int Physiol Biochim** 84(1):185–6, Feb 76

Characteration of RNA synthesized during germination of Blastocladia ramosa Zoospores. Jaworski AJ, et al.
Arch Microbiol 106(3):237–43, 31 Dec 75

Characterization of the RNA synthesizing activity of isolated kidney nuclei. Story CJ, et al. **Aust J Biol Sci** 28(5–6):465–73, Dec 75

Growth and differentiation of the water mold Blastocladiella emersonii: cytodifferentiation and the role of ribonucleic acid and protein synthesis. Lovett JS. **Bacteriol Rev** 39(4):345–404, Dec 75 (272 ref.)

Synthesis of poly(A) containing RNA in isolated mitochondria from rat liver. Cantatore P, et al.
Biochem Biophys Res Commun 70(2):431–7, 17 May 76

Erythropoietin action in rat marrow cell cultures in complete absence of DNA synthesis. I. Early effect on RNA synthesis. Datta MC, et al.
Biochem Biophys Res Commun 66(1):293–302, 2 Sep 75

The early synthesis and possible function of a 0.5 X 10(6) Mr RNA after transfer of dark-grown Spirodela plants to light. Rosner A, et al.
Biochem Biophys Res Commun 67(1) 3 Nov 75

The RNA synthesizing capacity of nuclei isolated from cultured mouse cells. Schäfer K.
Biochem Biophys Res Commun 68(1):219–26, 12 Jan 76

Synthesis of RNA complementary of rabbit globin mRNA by Qbeta replicase. Vournakis JN, et al.
Biochem Biophys Res Commun 70(3):774–82, 7 Jun 76

Polyphasic changes in incorporation of precursors into ribonucleic acid of oestradiol-stimulated mammary gland. Auricchio F, et al. **Biochem J** 29(2):211–6, Nov 74

The effect of polyamines on the synthesis of ribonucleic acid by Drosophila melanogaster larvae. Byus CV, et al.
Biochem J 154(1):23–9, 15 Jan 76

Regulation of ribonucleic acid synthesis by polyamines. Reversal by spermine of inhibition by methylglyoxal bis(guanylhydrazone) of ribonucleic acid synthesis and histone acetylation in rabbit heart. Caldarera CM, et al.
Biochem J 152(1):91–8, Oct 75

Comparison of the effects of zinc deprivation and actinomycin D on ribonucleic acid synthesis by stimulated lymphocytes. Chesters JK. **Biochem J** 150(2):211–8, Aug 75

Synthesis of hepatic polyamines, ribonucleic acid and S-adenosylmethionine in normal and oestrogen-treated chicks. Eloranta TO, et al. **Biochem J** 154(1):95–103, 15 Jan 76

The mechanism of inhibition of ribonucleic acid synthesis by 8-hydroxyquinoline and the antibiotic lomofungin. Fraser RS, et al. **Biochem J** 147(3):401–10, Jun 75

Ribonucleic acid labelling and nucleotide pools during compensatory renal hypertrophy. Hill JM, et al.
Biochem J 144(3):447–53, Dec 74

Ribonucleic acid synthesis in isolated rat liver nuclei under conditions of ribonucleic acid processing and transport. McNamara DJ, et al. **Biochem J** 147(2):193–7, May 75

Stringent control of ribonucleic acid synthesis in Bacillus subtilis treated with granaticin. Ogilvie A, et al.
Biochem J 152(3):517–22, Dec 75

Early ribonucleic acid synthesis during the germination of rye (Secale cereale) embryos and the relationship to early protein synthesis. Sen S, et al. **Biochem J** 148(3):381–7, Jun 75

The effect of ethionine on ribonucleic acid synthesis in rat liver. Swann PF. **Biochem J** 150(3):335–44, Sep 75

Differential subnuclear distribution of polyadenylate-rich ribonuclei acid during induction of egg-yolk protein synthesis in male Xenopus liver by oestradiol-17 beta. Tata JR, et al. **Biochem J** 150(3):345–55, Sep 75

Influence of the adrenal glucocorticoids on the stimulation of synthesis of hepatic ribonucleic acid and plasma acute-phase globulins by leucocytic endogenous mediator. Thompson WL, et al. **Biochem J** 156(1):25–32, 15 Apr 76

The effect of dibromo-dulcitol, diepoxy dulcitol and various new cytostatic hexitol derivatives on the metabolic activities of nucleic acids and proteins—II. Hidvégi EJ, et al. **Biochem Pharmacol** 25(15):1705–10, 1 Aug 76

Studies on the in vitro turnover of histone acetyl groups and the increase of RNA synthesis in rat liver nuclei after in vivo application of alpha-hexachlorocyclohexane (alpha-HCH). Sarkander HI, et al. **Biochem Pharmacol** 24(24):2279–85, 15 Dec 75

Diurnal variation in the requirement for RNA synthesis in the induction of pineal N-acetyltransferase. Zatz M, et al.
Biochem Pharmacol 25(8):903–6, 15 Apr 76

Transcription of isolated mouse liver chromatin. Bacheler LT, et al. **Biochemistry** 15(15):3281–90, 27 Jul 76

RNA synthesis in isolated hen oviduct nuclei. Ernest MJ, et al. **Biochemistry** 15(4):824–9, 24 Feb 76

Control of ribonucleic acid synthesis in eukaryotes. 3. The effect of cycloheximide and edeine on rna synthesis in yeast. Gross KJ, et al. **Biochemistry** 15(10):2082–6, 18 May 76

Control of ribonucleic acid synthesis in eukaryotes. 2. The effect of protein synthesis on the activities of nuclear and total DNA-dependent RNA polymerase in yeast. Gross KJ, et al. **Biochemistry** 15(10):2070–2081, 18 May 76

On the free-energy changes in the synthesis and degradation of nucleic acids. Peller L. **Biochemistry** 15(1):141–6, 13 Jan 76

Effects of alpha-amanitin, cycloheximide, and thioacetamide on low molecular weight nuclear RNA. Ro-Choi TS, et al. **Biochemistry** 15(17):3823–8, 24 AUG 76

On the mode of action of lomofungin, an inhibitor of RNA synthesis in yeast. Ruet A, et al. **Biochemistry** 14(21):4651–8, 21 Oct 75

Calculation of absolute rates of RNA synthesis, accumulation, and degradation in tobacco callus in vivo. Sutton DW, et al. **Biochemistry** 15(14):3135–7, 13 Jul 76

Determination of molar ratios of vesicular stomatitis virus induced RNA species in BHK21 cells. Villarreal LP, et al. **Biochemistry** 15(8):1663–7, 20 Apr 76

In vitro DNA and RNA synthesis by human platelets. Agam G, et al. **Biochim Biophys Acta** 425(1):41–8, 18 Feb 76

High molecular weight UMP-rich RNA of germinating wheat embryo. Dobrzanska M, et al.
Biochim Biophys Acta 432(1):73–9, 15 Apr 76

Stimulation of cartilage macromolecule synthesis by adenosine 3',5'-monophosphate. Drezner MK, et al.
Biochim Biophys Acta 425(4):521–31, 2 Apr 76

The action of cordycepin on nascent nuclear RNA and poly(A) synthesis in regenerating liver. Glazer RI.
Biochim Biophys Acta 418(2):160–6, 19 Jan 76

RNA synthesis and the accumulation of guanine nucleotides during growth shift down in the blue-green alga Anacystis nidulans. Mann N, et al. **Biochim Biophys Acta** 402(1):41–50, 6 Aug 75

Phospholipases and the effect of prolactin on uridine incorporation into RNA in mammary gland explants of mice. Rillema JA, et al. **Biochim Biophys Acta** 428(3):819–24, 28 May 76

Nucleolar RNA synthesis in the liver of partially hepatectomized and cortisol-treated rats. Schmid W, et al.
Biochim Biophys Acta 402(2):244–52, 21 Aug 75

Expression of the myosin gene in a hybrid cell derives from a rat myoblast and a mouse fibroblast. Buckingham ME, et al. **Biochimie** 56(11–12):1571–3, 1974

Further characterization of yeast RNA polymerases. Effect of subunits removal. Huet J, et al. **Biochimie** 58(1–2):71–80, 1976

Protein and RNA synthesis in endometrium of the rat uterus during early progestation. Blahna DG, et al.
Biol Reprod 13(5):527–34, Dec 75

Effect of uterine flushings on RNA synthesis by 'implanting' and 'delayed implanting' mouse blastocysts in vitro. Weitlauf HM. **Biol Reprod** 14(5):566–71, Jun 76

Regulation by thymus extracts of RNA synthesis in spleen cells 'in vitro'. Amici D, et al. **Boll Soc Ital Biol Sper** 51(21):1497–500, 15 Nov 75

The effect of steroid hormones on the growth pattern and RNA synthesis in human benign prostatic hyperplasia in organ culture. Lasnitzki I, et al. **Br J Cancer** 32(2):168–78, Aug 75

The effect of aflatoxins on the incorporation of RNA and protein precursors by isolated hepatocytes. McIntosh PR, et al. **Br J Cancer** 33(4):440–9, Apr 76

Proceedings: Studies of RNA synthesis in irradiated resistant and sensitive strains of the slime-mould Dictyostelium discoideum. Bryant PE. **Br J Radiol** 48(576):1046, Dec 75

Alteration of the pattern of hippocampal nerve cell RNA labelling during training in rats. Cupello A, et al.
Brain Res 114(3):453–60, 24 Sep 76

Thyroidectomy stimulates incorporation of (3H)cytidine into RNA in the arcuate nucleus of rat hypothalamus. George JM. **Brain Res** 99(1):179–83, 28 Nov 75

Short-term and long-term alterations in the uptake of [3H]uridine induced by frontal cortex lesions. Wells J.
Brain Res 109(2):407–12, 760611

RNA processing and the control of gene expression. Robertson HD, et al. **Brookhaven Symp Biol** (26):240–66, Jul 75 (136 ref.)

Effect of carbon monoxide intoxication on RNA synthesis in two nuclear classes of the rat brain. Albrecht J.
Bull Acad Pol Sci [Biol] 24(2):121–6, 1976

Wheat embryo ribonucleates. VI. Comparison of the 3'-hydroxyl termini in 'rapidly labelled' RNA from metabolizing wheat embryos with the corresponding termini in ribosomal RNA from differentiating embryos of wheat, barley, corn and pea. Oakden KM, et al.
Can J Biochem 54(3):261–71, Mar 76

Relationship between nucleolar microspherule formation by urethan and inhibition of RNA and protein synthesis. Lombardi L. **Cancer Res** 36(7 PT 1):2210–5, Jul 76

Multiple sites of action of N-hydroxy-2-acetylaminofluorene rat hepatic nuclear transcription. Yu FL, et al.
Cancer Res 36(10):3629–33, Oct 76

The effect of heat shock on RNA synthesis in Drosophila tissues. Bonner JJ, et al. **Cell** 8(1):43–50, May 76

Effect of heat shock on the synthesis of low molecular weight RNAs in drosophilia: accumulation of a novel form of 5S RNA. Rubin GM, et al. **Cell** 6(2):207–13, Oct 75

RNA synthesis in the Drosophila melanogaster puffs. Belyaeva ES, et al. **Cell Differ** 4(6):415–27, Mar 76

Template restriction in human chromatin. Crain WR Jr, et al. **Cell Differ** 4(6):399–414, Mar 76

Topographical differences of RNA labelling in rat brain after intraventricular administration of labelled RNA precursors. Jakoubek B. **Cell Tissue Res** 166(1):125–33, 6 Feb 76

The formation of poly A-containing RNA in rat liver after administration of 3-methylcholanthrene. Lanclos KD, et al. **Chem Biol Interact** 12(3–4):341–8, Mar 76

Antiviral 1,3,4-thiadiazoles. II. Effects on cellular and viral RNA synthesis in Mengo-virus-infected FL cells. Tonew M. **Chemotherapy** 22(2):114–20, 1976

Comparison of in vivo and in vitro RNA synthesis on polytene chromosomes of Drosophila. Leibovitch BA, et al. **Chromosoma** 54(4):349–62, 10 Mar 76

Chromosomal basis of dosage compensation in Drosophila VIII. Faster replication and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. Mukherjee AS, et al.
Chromosoma 53(2):91–105, 24 Nov 75

Nucleolar RNA synthesis of meiotic prophase spermatocytes in the human testis. Tres LL. **Chromosoma** 53(2):141–51, 24 Nov 75

RNA synthesis and processing in adenovirus-infected cells. Philipson L, et al.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:447–56, 1975

RNA and protein synthesis in the nucleated erythrocytes of Glycera dibranchiata. Shafie SM, et al.
Comp Biochem Physiol [B] 53(1):85–8, 1976

An autoradiographic assessment of the incorporation of H3-uridine into DNA and RNA of osteoblasts of aging mice. Singh IJ, et al. **Connect Tissue Res** 4(2):73–8, 1976

Regulation of hepatic RNA synthesis by thyroid hormones. Paul HS, et al. **Cytobios** 11(43–44):135–48, 1974

Hormonal effects on RNA synthesis by stage 6 oocytes of

Xenopus laevis. LaMarca MJ, et al. **Dev Biol** 47(2):384–93, Dec 75

Studies on the action of nerve growth factor. III. Role of RNA and protein synthesis in the process of neurite outgrowth. Mizel SB, et al. **Dev Biol** 49(1):20–8, Mar 76

Polyadenylic acid–containing RNA and its polyadenylic acid sequences newly synthesized in isolated embryonic cells of Xenopus laevis. Sagata N, et al. **Dev Biol** 50(1):242–7, May 76

Alterations in RNA and protein synthesis associated with steroid hormone–induced sexual morphogenesis in the water mold Achlya. Timberlake WE. **Dev Biol** 51(2):202–14, 15 Jul 76

Synthesis of mitochondrial RNA by full–grown and maturing oocytes of Rana pipiens and Xenopus laevis. Webb AC, et al. **Dev Biol** 45(1):44–55, Jul 75

Autoradiographic study of protein and RNA formation during early development of Drosophila eggs. Zalokar M. **Dev Biol** 49(2):425–37, Apr 76

Effects of prostaglandins on RNA and casein synthesis in mammary gland explants of mice. Rillema JA. **Endocrinology** 99(2):490–5, Aug 76

A comparative study of the effects of aflatoxin B1, alpha–amanitin and actinomycin–D on RNA synthesis by rat liver. Prasanna HR, et al. **Environ Physiol Biochem** 5(5):341–7, 1975

The use of mercurated nucleoside triphosphate as a probe in transcription studies in vitro. Beebee TJ, et al. **Eur J Biochem** 66(3):543–50, 15 Jul 76

Cellular RNA and influenza–virion RNA are synthesized from different pyrimidine–nucleoside–triphosphate pools in chick–embryo cells. Dämmgen JW, et al. **Eur J Biochem** 59(1):51–4, 1 Nov 75

Polyadenylation of RNA in vitro in isolated chromatin and nuclei. De Pomerai DI, et al. **Eur J Biochem** 58(1):185–92, 1 Oct 75

Synthesis of RNA molecules larger than 45 S by isolated rat–liver nucleoli. Grummt I. **Eur J Biochem** 57(1):159–67, 1 Sep 75

Nucleic acid synthesis in the normal and lobeless embryo of Ilyanassa obsoleta. Collier JR. **Exp Cell Res** 95(2):254–62, 15 Oct 75

Polyadenylation of nascent RNA during the embryogenesis of Ilyanassa obsoleta. Collier JR. **Exp Cell Res** 95(2):263–8, 15 Oct 75

Nuclear penetration and stimulation of nucleic acids synthesis by poly(A)–poly(U) in mammalian cells. Fenster ED, et al. **Exp Cell Res** 94(2):315–20, Sep 75

Further investigations on the property of chromatins from apical and axial parts of cauliflower inflorescence. Fukasawa H, et al. **Exp Cell Res** 101(1):97–103, Aug 76

Influence of mycoplasma infection on the incorporation of different precursors into RNA components of tissue culture cells. Hellung–Larsen P, et al. **Exp Cell Res** 99(2):295–300, May 76

Temperature dependent changes of cell growth parameters in Tetrahymena. Jauker F, et al. **Exp Cell Res** 96(2):439–42, Dec 75

Studies on DNA content, RNA synthesis, and DNA template activity in aging cells of Paramecium aurelia. Klass MR, et al. **Exp Cell Res** 98(1):63–72, 1 Mar 76

Effects of chemical animalization and cell dissociation on RNA synthesis in sea urchin embryos. Kobayashi I, et al. **Exp Cell Res** 97(2):413–7, Feb 76

Mitochondrial RNA synthesis in rat liver. Dependence on nuclear and cytoplasmic systems. La Farnia M, et al. **Exp Cell Res** 99(2):269–77, May 76

The induction of nucleolar fragmentation and the inhibition of RNA synthesis in HeLa cells by MPB and their restoration. Nishigori H, et al. **Exp Cell Res** 96(2):311–6, Dec 75

Autoradiographic analysis of macromolecular syntheses in prospectively necrotic cells of the chick limb bud. II. Nucleic acids. Pollak RD, et al. **Exp Cell Res** 100(1):15–22, Jun 76

Nucleoli formation under inhibited RNA synthesis. Semeshin VF, et al. **Exp Cell Res** 93(2):458–67, Jul 75

Effects of low temperature on RNA metabolism in different cell lines. Sensky TE, et al. **Exp Cell Res** 99(1):200–4, Apr 76

DNA, RNA and protein synthesis during germination of spores in the cellular slime mold Dictyostelium discoideum. Yagura T, et al. **Exp Cell Res** 100(1):79–87, Jun 76

Increased template activity in injured tissue. Warnick CT, et al. **Exp Mol Pathol** 23(1):122–31, Aug 75

Influence of progesterone on protein and RNA synthesis in cultured chick embryo liver cells. Carinci P, et al. **Experientia** 32(1):42–3, 15 Jan 76

The effect of plant growth substances and natural products on RNA and DNA synthesis in leukocytes. Farrow MG, et al. **Experientia** 32(1):29–30, 15 Jan 76

Enhanced inhibition of RNA synthesis by amanitins in in vitro cultured cells. Foá–Tomasi L, et al. **Experientia** 32(1):45–6, 15 Jan 76

Extrachromosomal DNA and RNA–synthesis in oocytes of Creophilus maxillosus (Staphylinidae, Coleoptera, Polyphaga). Kloc M. **Experientia** 32(3):375–7, 15 Mar 76

Cytochemical evidence for stage–specific changes of nuclear RNA and nonhistone protein content during early development of Triturus vulgaris. Lohmann K, et al. **Experientia** 32(3):380–1, 15 Mar 76

Influence of gonadal hormones on the developing amphibian brain: changes in ribonucleic acid, protein and activity levels of acetylcholinesterase on in vivo administration of progesterone. Nayeemunnisa. **Experientia** 32(6):713–4, 15 Jun 76

In vitro formation of informofer–like particles by isolated rat liver nuclei. Suzuka I, et al. **FEBS Lett** 58(1):130–3, 15 Oct 75

Estradiol–induced enhancement of the processing of the 32S ribosomal precursor in rooster liver. Van Den Berg JA, et al. **FEBS Lett** 63(1):65–70, 15 Mar 76

Changes in RNA synthesis during the life span of human fibroblasts in vitro. Macieiera–Coelho A, et al. **Gerontology** 22(1–2):79–88, 1976

Effect of removal of F1–histone on the transcription process and on the conformation of nuclear chromatin. pp. 429–34. Fenske H, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

RNA synthesis of regenerating rat liver: low–molecular–weight nuclear RNA synthesis during regeneration and after irradiation. pp. 181–6. Fónagy A, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

On the transcription process in the isolated rat liver nucleus. pp. 343–8. Lindigkeit R, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

Studies on the organization and distribution of nucleolar RNP components after the nucleolar RNA synthesis and processing inhibition. pp. 169–74. Smetana K, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

In vitro RNA synthesis with intact giant chromosomes. pp. 331–41. Stein H, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

RNA synthesis in embryonic cerebellar explants cultured with estradiol. pp. 79–81. Vernadakis A.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Delta9–Tetrahydrocannabinol: effect on macromolecular synthesis in human and other mammalian cells. pp. 213–22. Blevins RD, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.

Studies on biological potentiality of testis–RNA. I. Induction of axial structures in whole and excised chick blastoderms. pp. 137–54. Lee H, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Effects of exogenous polynucleotides on uterine enzymes. pp. 167–82. Villee CA.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

RNA synthesis of rabbit marrow nuclei. pp. 507–10. Belkner J, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie–Verlag, 1975. W3 IN9848G 1973s.

Circadian parameters of the infradian growth mode in continuous cultures: nucleic acid synthesis and oxygen induction of the ultradian mode. pp. 44–50. Ehret CF, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Nucleic acid metabolism during early mammalian development. pp. 286–301. Graham CF.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (56 ref.)

Synthetic activities during spermatogenesis. pp. 100–9. Monesi V.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (47 ref.)

Action of indoleacetic acid: a plant growth hormone on transcription. pp. 461–77. Biswas BB, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Rat pituitary tumor cells in culture: a model system for studies on the control of protein synthesis in differentiated cells. pp. 329–33. Biswas DK, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Low and high dose effects of progestogens at the molecular level in the uterus. pp. 379–90. Laumas KR, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Regulation of transcription in eukaryotic cells. pp. 129–38. Pradhan DS, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Repression and activation of the mammalian blastocyst. pp. 509–14. Psychoyos A, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974. (23 ref.)

Regulation of immunologic response by hormones. pp. 271–81. Talwar GP, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Effect of the synthetic estrogen dioxydiphenylhexane on the content of nucleic acids and proteins during development. pp. 237–49. Uzunov G.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Utilization of uridine for RNA synthesis in the insect cell line CP–1268 derived from the codling moth, Laspeyresia pomonella. Gallagher BM, et al. **In Vitro** 12(3):165–72, Mar 76

Effect of DL–propranolol on synthesis of RNA in the uterus & blastocysts of rat during delayed implanatation. Rath NC, et al. **Indian J Exp Biol** 13(1):4–7, Jan 75

Ultrastructural alterations and modifications of nuclear RNA of rat liver by the combined action of thioacetamide and aflatoxin. Reynier MO, et al. **Int J Cancer** 16(3):488–97, 15 Sep 75

Radiation–induced inhibition of RNA synthesis in Tetrahymena pyriformis. Ernst SG, et al. **Int J Radiat Biol** 28(1):67–74, Jul 75

RNA synthesis in liver nuclei of young rats fed varying amounts of vitamin A. Ram GC, et al. **Int J Vitam Nutr Res** 45(2):124–8, 1975

Proceedings: Role of amino acids in the control of the synthesis of RNA and free nucleotides in yeasts. Cohen S, et al. **Isr J Med Sci** 11(11):1201–2, Nov 75

Involvement of polyamines in ribonucleic acid synthesis as a possible biological function. Caldarera CM, et al. **Ital J Biochem** 25(1):33–55, Jan–Feb 76 (69 ref.)

6–(14C)–orotate uptake and rna synthesis by liver from thyroidectomized rats treated with 3,5,3'–triiodo–1–thyronine (t3). Viarengo A, et al. **Ital J Biochem** 24(3–4):231–9, May–Aug 75

Nonribosomal nature of novel, stable ribonucleic acid species accumulated by blue–green bacteria. Bonen L, et al. **J Bacteriol** 126(2):1020–3, May 76

Ribonucleic acid synthesized in meiotic cells of Saccharomyces cerevisiae: effect of culture medium pH. Curiale MS, et al. **J Bacteriol** 126(2):661–7, May 76

Turnover of polyadenylate–containing ribonucleic acid in Saccharomyces cerevisiae. Hynes NE, et al. **J Bacteriol** 125(2):595–600, Feb 76

Synthesis of polyadenylic acid–containing ribonucleic acid during the germination of Neurospora crassa conidia. Mirkes PE, et al. **J Bacteriol** 125(1):174–80, Jan 76

Appearance of rapidly labeled, high molecular weight RNA in nuclear ribonucleoprotein. Release from chromatin and association with protein. Augenlicht LH, et al. **J Biol Chem** 251(9):2592–9, 10 May 76

Effect of estrogen on gene expression in the chick oviduct. Effect of estrogen on the sequence and population complexity of chick oviduct poly(A)–containing RNA. Monahan JJ, et al. **J Biol Chem** 251(12):3738–48, 25 Jun 76

Differential effect of hormones on macromolecular synthesis and mitosis in chick embryo cells. Baseman JB, et al. **J Cell Biol** 67(2PT.1):492–8, Nov 75

Study on the reinitiation of transcription in 37 RC cells after actinomycin D inhibition. Spectrum of major RNA species resynthesized after maximal suppression by the drug. Benedetto A, et al. **J Cell Biol** 67(3):538–50, Dec 75

RNA synthesis in preovulatory mouse oocytes. Rodman TC, et al. **J Cell Biol** 70(1):251–7, Jul 76

Incorporation of (3H)uridine by the chromatoid body during rat spermatogenesis. Söderström KO, et al. **J Cell Biol** 70(1):239–46, Jul 76

Stimulation by N6,O2'–dibutyrul andenosine 3',5'–cyclic monophosphate of RNA and DNA synthesis and of cell proliferation of rat hepatocytes in primary tissue culture. Armato U, et al. **J Cell Physiol** 89(1):157–70, Sep 76

A comparative study of the effects of lucanthone (miracil D) and actinomycin D on the Chinese hamster cells grown in cultures. Epifanova OI, et al. **J Cell Physiol** 86(2 Pt 1):261–8, Oct 75

The inhibition of DNA–dependent RNA sythesis in Yoshida ascites cells by bovine follicular fluid. Moore GP, et al. **J Cell Physiol** 86(1):31–5, Aug 75

Effects of withdrawal of a serum stimulus on the protein–synthesizing machinery of cultured fibroblasts. Mostafapour MK, et al. **J Cell Physiol** 86(2 PT 2 SUPPL 1):313–9, Oct 75

The erythroid cells of anaemic Xenopus laevis. I. Studies on cellular morphology and protein and nucleic acid synthesis during differentiation. Thomas N, et al. **J Cell Sci** 19(3):509–20, Dec 75

Cellular activity in the dermis surrounding the hair bulb in alopecia areata. Pierard GE, et al. **J Cutan Pathol** 2(5):240–5, 1975

Changes in insulin content of, and insulin and RNA synthesis in, isolated rat islets of Langerhans after hypophysectomy and short–term growth hormone replacement. Parman AU. **J Endocrinol** 67(1):19–28, Oct 75

Priming effect of luteinizing hormone releasing factor: in–vitro and in–vivo evidence consistent with its dependence upon protein and RNA synthesis. Pickering

AJ, et al. **J Endocrinol** 69(3):373–9, Jun 76

Actinomycin D and uterine epithelial protein synthesis. Pollard JW, et al. **J Endocrinol** 69(1):161–2, Apr 76

Radiobiochemistry of phytodrugs: I. role of juvenile hormones and analogs in the biosynthesis of proteins and RNA in drosophila larvae. Breccia A, et al. **J Environ Sci Health [B]** 11(1):1–7, 1976

Inhibition of RNA synthesis in Chlorella pyrenoidosa and Bacillus megaterium by the pine–blight toxin, dothistromin. Harvey AM, et al. **J Gen Microbiol** 96(2):268–76, Aug 76

Synthesis of ribonucleic acids during the germination of Botryodiplodia theobromae pycnidiospores. Knight RH, et al. **J Gen Microbiol** 96(2):257–67, Aug 76

The effects of various growth temperatures on nuclear division, DNA and RNA in the budding yeast, Kluyveromyces fragilis. Penman CS, et al. **J Gen Microbiol** 90(1):181–2, Sep 75

High–resolution autoradiography as a tool for the localization of nucleic acid synthesis and distribution in the mammalian cell nucleus. Fakan S. **J Microsc (Oxf)** 106(2):159–71, Mar 76 (42 ref.)

Cytoplasmic distribution of pulse–labelled poly(A)–containing RNA, particularly 26 S RNA, during myoblast growth and differentiation. Buckingham ME, et al. **J Mol Biol** 103(3):611–26, 25 May 76

The effect of intermittent hypoxia on RNA synthesis in the isolated rat heart. Gibb L, et al. **J Mol Cell Cardiol** 8(6):419–29, Jun 76

The effect of cordycepin on the appearance of [3H]RNA in the goldfish optic tectum following intraocular injection of [3H]uridine. Ingoglia NA, et al. **J Neurochem** 27(1):179–84, Jul 76

The effect of cycloheximide on hepatic RNA synthesis and nucleolar size in rats force–fed a threonine–devoid diet. Sidransky H, et al. **J Nutr** 106(7):930–9, Jul 76

Proceedings: Dependence of the priming effect of luteinizing hormone releaseing factor (LRF) on RNA and protein synthesis Fink G, et al. **J Physiol (Lond)** 252(2):73P–75P, Nov 75

Stimulation of uterine RNA synthesis in mice by the post–coital antifertility agent, ORF 3858. Greenslade FC, et al. **J Reprod Fertil** 45(2):401–3, Nov 75

Nucleic acid metabolism of cells of the luminal epithelium and stroma of the rat uterus during early pregnancy. Heald PJ, et al. **J Reprod Fertil** 45(1):129–38, Oct 75

Proceedings: Reactivation of RNA synthesis in macropod embryos after diapause. Moore GP. **J Reprod Fertil** 46(2):504, Mar 76

The incorporation of carbon dioxide into the major classes of RNA during culture of the preimplantation mouse embryo. Pike IL, et al. **J Reprod Fertil** 45(2):211–26, Nov 75

The activation of cultured epididymal tubules by androgens. Blaquier JA, et al. **J Steroid Biochem** 6(5):573–6, May 75

Androgen regulation of RNA synthesis in target tissues. Villee CA, et al. **J Steroid Biochem** 6(5):561–5, May 75 (44 ref.)

Aldosterone induced changes in RNA synthesis in rat intestine. Watts RW, et al. **J Steroid Biochem** 7(4):263–8, Apr 76

Hepatic nuclear alterations in hemorrhagic shock. Lazarus HM, et al. **J Surg Res** 20(4):269–74, Apr 76

A molecular orbital study on the incorporation of nucleotides into RNA. Fujita H, et al. **J Theor Biol** 57(1):187–202, Mar 76

Effects of delta9–tetrahydrocannabinol and ethanol on body weight protein and nucleic acid synthesis in chick embryos. Jakubović A, et al. **J Toxicol Environ Health** 1(3):441–7, Jan 76

Perichromatin fibrils as components of rapidly labeled extranucleolar RNA. Nash RE, et al. **J Ultrastruct Res** 53(3):395–405, Dec 75

Influenza virus RNA's in the cytoplasm of chicken embryo cells treated with 3'–deoxyadenosine. Pridgen CL. **J Virol** 18(1):356–60, Apr 76

The effect of ionizing radiation on calf thymus deoxyribonucleoprotein as a template for RNA synthesis. Hayashi M. **Jpn J Vet Res** 23(3):107, Jul 75

The effect of high and low doses of cycloheximide on nucleolar ribonucleic acid synthesis. Goldblatt PJ, et al. **Lab Invest** 33(2):117–24, Aug 75

Neonatal hypothyroidism: enhanced incorporation of precursors into cerebral RNA in vivo and normalizing effect of a semi–acute injection of thyroxine. Geel SE. **Life Sci** 17(4):539–44, 15 Aug 75

The glucose effect: carbohydrate repression of enzyme induction, RNA synthesis, and glucocorticoid activity — a role for cyclic AMP and cyclic GMP. Goldberg ML. **Life Sci** 17(12):1747–54, 15 Dec 75 (59 ref.)

Changes in the pattern of RNA synthesis in mouse limb cartilage during early development. Elmer WA. **Mech Ageing Dev** 5(4):279–87, Jul–Aug 76

A lack of correlation between decline in growth capacity and nuclear RNA synthesising activity in ageing human embryo cells in culture. Hill BT. **Mech Ageing Dev** 5(4):267–78, Jul–Aug 76

Inhibitors of macromolecular synthesis in yeast. Schindler D, et al. **Methods Cell Biol** 12:17–38, 1975 (182 ref.)

Labelling kinetics of RNA containg poly(A) in liver subcellular fractions. Hemminki K. **Mol Cell Biochem** 8(2):123–8, 30 Aug 75

Incorporation of (5–3H) uridine into ribonucleotide pools and RNA during thyroxine–induced metamorphosis of Xenopus laevis tadpoles. Hagenbuchle O, et al. **Mol Cell Endocrinol** 4(2):61–77, Jan 76

RNA synthesis in different stages of rat seminiferous epithelial cycle. Söderström KO, et al. **Mol Cell Endocrinol** 5(3–4):181–99, Aug–Sep 76

Nucleic acid metabolism in yeast. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'–monophosphate in 5'–dTMP low requiring strains. Langjahr UG, et al. **Mol Gen Genet** 143(1):113–8, 30 Dec 75

Macromolecule synthesis in a mutant of Saccharomyces cerevisiae inhibited by S–adenosyimethionine. Lipinski C, et al. **Mol Gen Genet** 144(3):301–6, 30 Mar 76

Coordination of macromolecular synthesis in the slime mould Physarum polycephalum. Plaut BS, et al. **Mol Gen Genet** 137(3):211–25, 1975

Trans–synaptic regulation of ribonucleic acid biosynthesis in rat adrenal medulla. Chuang DM, et al. **Mol Pharmacol** 12(3):514–18, May 76

Macromolecular synthesis in permeable liver cells. Hilderman RH, et al. **Nahrung** 20(1):534–40, 1976

Developmental shifts in the synthesis of heterogeneous nuclear RNA classes in the sea urchin embryo. Dubroff LM, et al. **Nature** 260(5547):120–4, 11 Mar 76

Initiation inhibition and reinitiation of the synthesis of heterogeneous nuclear RNA in living cells. Egyhazi E. **Nature** 262(5566):319–21, 22 Jul 76

Injected nuclei in frog oocytes provide a living cell system for the study of transcriptional control. Gurdon JB, et al. **Nature** 260(5547):116–20, 11 Mar 76

RNA synthesis in fully–grown mouse oocytes. Wassarman PM, et al. **Nature** 261(5555):73–4, 6 May 76

Inhibition of RNA synthesis, a possible mode of the embryotoxic action of hydroxyurea. Krowke R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):7–16, 6 May 75

Letters to the Editor: Is renal compensatory hypertrophy controlled by a 'renotrophic factor'? Roels F. **Nephron** 16(6):472–3, 1976

Functional and ultrastructural studies of Sezary cells. Djaldetti M, et al. **Nouv Rev Fr Hematol** 15(5):567–74, Sep–Oct 75 (Eng. Abstr.)

Ribonucleic acid synthesis in Plasmodium knowlesi maintained both in vivo and in vitro. Trigg PI, et al. **Parasitology** 71(2):199–209, Oct 75

Action of delta 9–tetrahydrocannabinol on cell division and macromolecular synthesis in division–synchronized protozoa. McClean DK, et al. **Pharmacology** 14(4):307–21, 1976

Some aspects of ACTH action on cerebral metabolism in infant rats. Ardeleanu A, et al. **Physiologie** 12(1):31–5, 1975

Double–stranded RNA in chromatin transcripts formed by exogenous RNA polymerase. Pays E. **Proc Natl Acad Sci USA** 73(4):1121–5, Apr 76

Effect of calcium on RNA and protein synthesis in the hypertrophied myocardium. Kaplan E, et al. **Proc Soc Exp Biol Med** 152(1):24–8, May 76

Effect of prostaglandins on protein, RNA, DNA and collagen synthesis in experimental wounds. Lupulescu A. **Prostaglandins** 10(4):573–9, Oct 75

Posthypoxia stimulation of ribonucleic acid synthesis in the isolated perfused rat heart. Gibb L, et al. **Recent Adv Stud Cardiac Struct Metab** 8:333–41, 1975

Protein and nucleic acid metabolism in myocardial ischemia and infarction. Lochner A, et al. **Recent Adv Stud Cardiac Struct Metab** 2:591–603, 1973

Ribonucleic acid and protein synthesis in rat heart mitochondria isolated after aortic constriction, strenuous physical exercise, total myocardial ischemia, and theophylline treatment. Wollenberger A, et al. **Recent Adv Stud Cardiac Struct Metab** 3:535–50, 1973

Acute right ventricular stress as a stimulus for left ventricular rna and protein synthesis. Zelis R, et al. **Recent Adv Stud Cardiac Struct Metab** 3:625–35, 1973

Effect of levamisole on the synthesis of macromolecules in log phase and synchronized cultures of Tetrahymena pyriformis, GL. Pan HY, et al. **Res Commun Chem Pathol Pharmacol** 14(4):651–7, Aug 76

Restoration of nucleic acid biosynthesis after clinical death and factors stimulating the process in vivo. Konikova AS, et al. **Resuscitation** 4(2):125–30, 1975

Mechanisms underlying decreased protein and RNA synthesis in the rat spleen following whole–body X–irradiation. Chetty KG, et al. **Strahlentherapie** 151(3):228–35, Mar 76

Cerebral ischemia in gerbils: differential vulnerability of protein, RNA and lipid syntheses. Yanagihara T. **Stroke** 7(3):260–3, May–Jun 76

Nucleotide incorporation into acid–insoluble fraction of triton X–100 treated rabbit blood platelets. Fujita T, et al. **Thromb Res** 7(3):409–16, Sep 75

Reversible inhibition of DNA, RNA and protein synthesis in human cells by lead chloride. Skreb Y, et al. **Toxicology** 5(2):167–74, Nov 75

Effect of bovine parvovirus replication on DNA, RNA, and protein synthesis in S phase cells. Parris DS, et al. **Virology** 73(1):72–8, Aug 76

Gene amplification in cell–free systems. Jacherts D, et al. **Z Immunitaetsforsch** 144(3):260–72, Oct 72

Contribution of monofunctional adducts formed by furocoumarins with DNA to the inhibition of nucleic acids synthesis. Baccichetti F, et al. **Z Naturforsch [C]** 31(3–4):207–8, Mar–Apr 76

[Radioautographic study of the action of androgens on the synthesis of nucleic acids in the male genital tract of the white mouse (author's transl)] Durliat M, et al. **Ann Endocrinol (Paris)** 36(3):131–43, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Metabolic transformation of aflatoxin B–1 and its effects on synthesis of nucleic acids and proteins] Moulé Y. **Ann Nutr Aliment** 28(4):375–84, 1974 (30 ref.) (Eng. Abstr.) **(Fre)**

[Proceedings: Effect of dimethylnitrosamine on nucleic acid synthesis in an organ with synchronized cell cycles] Gol–Winkler R, et al. **Arch Int Physiol Biochim** 83(2):365–7, May 75 **(Fre)**

[The in vivo synthesis of ribonucleic acid in the imaginal wing discs during Calliphora erythrocephala development] Bougues R, et al. **C R Acad Sci [D] (Paris)** 280(21):2457–60, 2 Jun 75 (Eng. Abstr.) **(Fre)**

[Quantitation of nuclear RNA synthesis in the ovary of adult Tenebrio molitor] Chaminade MM, et al. **C R Acad Sci [D] (Paris)** 282(13):1297–300, 29 Mar 76 (Eng. Abstr.) **(Fre)**

[Effect of denervation on macromolecular metabolism in electric tissue of Electrophorus electricus (L)] Falcato Ribeiro AF, et al. **C R Acad Sci [D] (Paris)** 281(19):1425–30, 10 Nov 75 **(Fre)**

[Demonstration of 2 phases in RNA synthesis during regeneration of planarian (Polycelis tenuis–nigra)] Martelly I, et al. **C R Acad Sci [D] (Paris)** 282(20):1805–8, 24 May 76 (Eng. Abstr.) **(Fre)**

[Demonstration of RNA synthesis during segmentation in the Axolotl embryo] Signoret J, et al. **C R Acad Sci [D] (Paris)** 281(4):301–3, 28 Jul 75 (Eng. Abstr.) **(Fre)**

[The influence of naftidrofuryl on 32Pi–incorporation into nucleic acids and adenosine phosphates of the rat brain] Kanig K, et al. **Arzneim Forsch** 26(6):1209–12, 1976 (Eng. Abstr.) **(Ger)**

[Studies on stable and during early imbibition phases synthesized poly(A)–RNA of Agrostemma githago embryos (author's transl)] Hecker M. **Experientia** 32(1):50–3, 15 Jan 76 (Eng. Abstr.) **(Ger)**

[Problems associated with the labelling of RNA with radioactive precursors in vivo (author's transl)] Dahnke HG. **Hoppe Seylers Z Physiol Chem** 356(10):1555–63, Oct 75 (Eng. Abstr.) **(Ger)**

[Relation between RNA–synthesis and electrophoretic mobility of peripheral lymphocytes (author's transl)] Holtz G, et al. **Z Immunitaetsforsch** 151(4):289–94, 1976 (Eng. Abstr.) **(Ger)**

[Effect of N–methyl–N–beta–chloroethylhydrazine and its benzaldehydhydrazone on RNA–and protein synthesis as well as metabolism of synchronously growing yeast cells (Saccharomyces cerevisiae) (author's transl)] Braun R, et al. **Z Naturforsch [C]** 31(5–6):298–303, May–Jun 76 (Eng. Abstr.) **(Ger)**

[Genetic activity during initial embryogenesis in mammals. Review of synthesis] Siracusa G. **Acta Embryol Exp (Palermo)** (1):115–35, 1976 (77 ref.) **(Ita)**

[In–vitro stimulation of mitochondrial RNA synthesis in the performance of thyroid hormones] Barletta A, et al. **Boll Soc Ital Biol Sper** 51(21):1490–6, 15 Nov 75 **(Ita)**

[Effect of 3–formylrifamycin SV and of some of its oxime derivatives on RNA synthesis in mitochondria isolated from rat liver] Gadaleta MN, et al. **Boll Soc Ital Biol Sper** 52(3):138–43, 15 Feb 76 **(Ita)**

[Regulation of globin synthesis—RNA synthesis in erythoid cells (author's transl)] Hayashi Y. **Acta Haematol Jpn** 38(6):695–702, Dec 75 (Eng. Abstr.) **(Jpn)**

[Studies on the RNA synthesized in the ovary of immature rats after HCG administration (author's transl)] Ozaki M, et al. **Folia Endocrinol Jpn** 51(3):148–60, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Establishment of immunologic memory by immune RNA. Effect of inhibitors of nucleic acid synthesis] Yamaguchi N, et al. **Jpn J Bacteriol** 30(1):172, Jan 75 **(Jpn)**

[The effect of megestranol and its components on the RNA content in the rats' endometrium] Ryzhova RK, et al. **Akush Ginekol (Mosk)** (11):66–8, Nov 75 **(Rus)**

[Electron autoradiographic study of the synthesis of RNA in the reparative regeneration of bones] Pal'tsyn AA, et al. **Arkh Patol** 37(5):50–6, 1975 (Eng. Abstr.) **(Rus)**

[Kinetic regularities of RNA synthesis. VII. Accumulation of RNA precursors and the inverse problem] Tsarev OB. **Biofizika** 21(2):225–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Biosynthesis of proteins and ribonucleic acids in red and white rat skeletal muscles] Kazarian VA, et al. **Biokhimiia** 40(2):290–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The creatine effect on RNA and protein synthesis in growing culture of chick embryo myoblasts] Zilber ML, et al. **Biokhimiia** 40(4):854–60, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of dexamethasone on RNA synthesis in human peripheral blood lymphocytes] Adler VV, et al. **Biull Eksp Biol Med** 82(7):811–4, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of dexamethasone on RNA synthesis in blood lymphocytes stimulated by phytohemagglutinin] Adler VV, et al. **Biull Eksp Biol Med** 81(6):686–9, Jun 76 (Eng. Abstr.) **(Rus)**

[Changes in the noradrenaline level and synthesis of nuclear RNA in the brain of rats with disturbances of the emotions and conditioned–defense behavior] Baru AM, et al. **Biull Eksp Biol Med** 80(9):36–9, Sep 75 (Eng. Abstr.) **(Rus)**

[RNA synthesis in the brains of rats with changes in the function of their central nervous systems] Dergachev VV,

et al. **Biull Eksp Biol Med** 79(5):53–6, May 75 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on membrane potentials and synthesis of RNA fractions in liver cells] Frol'kis VV, et al. **Dokl Akad Nauk SSSR** 227(3):739–41, 21 Mar 76 **(Rus)**

[Change in the RNA synthesizing ability of isolated nuclei and in the matrix activity of rat liver chromatin during cycloheximide suppression of protein synthesis] Todorov IN, et al. **Dokl Akad Nauk SSSR** 223(6):1488–91, 21 Aug 75 **(Rus)**

[Activation of RNA biosynthesis in the liver and spleen of irradiated rats] Tokarskaia VI, et al. **Dokl Akad Nauk SSSR** 227(4):988–90, 1976 **(Rus)**

[Distribution of newly synthesized RNA in ribonucleoprotein particles of rat hypothalamus cytoplasmic extracts in normal conditions and after dexamethasone administration] Zakharian RA, et al. **Dokl Akad Nauk SSSR** 229(1):214–6, JUL–AUG 76 **(Rus)**

[Influence of acute alcohol intoxication on the synthesis of RNA and proteins in the liver of rats at various times of the day] Latenkov VP. **Farmakol Toksikol** 39(1):101–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Action of energy metabolism inhibitors on RNA synthesis in a cell-free system] Rozet EG, et al. **Izv Akad Nauk SSSR [Biol]** (6):867–72, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of IAA on the content of RNA in the cells and isolated nuclei of Aspergillus oryzae] Bruzgulis P, et al. **Mikrobiologiia** 44(6):1114–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[The origin of mitochondrial RNA in animal tissue. III. The occurrence of transcripts from highly reiterated sequences of nuclear genome in rat liver mitochondria] Gaitskhoki VS, et al. **Mol Biol** 8(5):660–5, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[The influence of proteins bound to single-stranded DNA on RNA and poly(A) synthesis. I. Antibodies against DNA] Makarova OV, et al. **Mol Biol (Mosk)** 9(6):861–70, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of proteins bound to single-stranded DNA on RNA and poly(A) synthesis. II. Protein--product of T4 phage gene 32] Polonskii IS, et al. **Mol Biol (Mosk)** 10(1):64–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[A comparison of bacterial RNA-polymerase RNA synthesis on polytene Drosophila chromosomes with transcription in living cells] Leibovich BA, et al. **Ontogenez** 5(6):544–56, 1974 (Eng. Abstr.) **(Rus)**

[A comparison of bacterial RNA-polymerase RNA synthesis on polytene Drosophila chromosomes with transcription in living cells] Leibovich BA, et al. **Ontogenez** 5(6):544–56, 1974 (Eng. Abstr.) **(Rus)**

[The effect of chromatin proteins on transcription of repeating portions of the genome] Limborskaia SA, et al. **Ontogenez** 5(6):606–13, 1974 **(Rus)**

[The effect of chromatin proteins on transcription of repeating portions of the genome] Limborskaia SA, et al. **Ontogenez** 5(6):606–13, 1974 **(Rus)**

[Transport RNA in early embryogenesis of fish. 3. Certain problems of regulation of RNA synthesis at the early stages of development of the loach (Misgurnus fossilis (l)] Solov'eva IA, et al. **Ontogenez** 7(1):18–26, 1976 (Eng. Abstr.) **(Rus)**

[Kinetics of the synthesis of nucleic acids in haploid and diploid loach embryos] Strelkov LA, et al. **Ontogenez** 6(6):608–13, 1975 (Eng. Abstr.) **(Rus)**

[The effect of hydrocortisone and insulin on ribonucleic acid synthesis in the nuclei and cytoplasm of sexually mature male rat liver cells] Ponomarev VI, et al. **Probl Endokrinol (Mosk)** 22(3):72–5, May–Jun 76 (Eng. Abstr.) **(Rus)**

[RNA and DNA synthesis in the lymphocytes during their short-term cultivation] Kozinets GI, et al. **Probl Gematol Pereliv Krovi** 20(9):44–9, Sep 75 **(Rus)**

[Ultrastructural and functional expression of the hepatocyte genome in conditions of prolonged suppression by cycloheximide of protein synthesis. IV] Galkin AP, et al. **Tsitol Genet** 9(6):533–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Molecular biological bases for adenovirus-induced syntheses in cells] Kishko IaG. **Tsitol Genet** 10(2):170–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[An autoradiographic study of the relationship between nucleic metabolism and features of the metabolism of the nucleosides employed] Mazhuga PM. **Tsitol Genet** 8(5):400–5, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[Ultrastructure and functional expression of the hepatocyte genome in conditions of prolonged suppression by cycloheximide of protein synthesis. I] Todorov IN, et al. **Tsitol Genet** 8(6):521–5, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

[Nuclear structures at late stages of Rana temporaria oogenesis. II. Autoradiographic data] Parfenov VN, et al. **Tsitologiia** 17(11):1263–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Effect of actinomycin D on RNA synthesis in a stationary culture of Chinese hamster cells stimulated to proliferate] Zosimovskaia AI, et al. **Tsitologiia** 17(7):791–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Influence of fast electrons on the nucleic acid level and the biosynthsis of RNA in cells of the ascites tumor NK/Ly and the spleen of tumor-bearing mice] Zerov IuP, et al. **Vopr Onkol** 21(9):72–6, 1975 (Eng. Abstr.) **(Rus)**

[Study of the metabolic activity of a continuous line of human embryo lung cells infected with oncornavirus type D] Nosik NN, et al. **Vopr Virusol** (4):442–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[RNA biosynthesis in the microsomes of splenic cells during the inductive phase of the immunological response] Perelygin NL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):29–33, May 75 (Eng. Abstr.) **(Rus)**

[The intensity of RNA synthesis in rat hippocampus during learning] Shumskaia IA, et al. **Zh Vyssh Nerv Deiat** 25(4):778–83, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of glutamine, thymidine and orotate on the nucleic acid content in the cell nuclei of the regenerating liver in sodium fluoride poisoning] Rymar'-Shcherbina NB. **Ukr Biokhim Zh** 48(3):375–7, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

BLOOD

Changes in lymphocyte surface immunoglobulins in myeloma and the effect of an RNA-containing plasma factor. Chen Y, et al. **Ann Intern Med** 83(5):625–31, Nov 75

Electrophoretic characterization of plasma RNA. Guin LW, et al. **Biochem Med** 13(3):224–30, Jul 75

Characterization and localization of the RNA synthesized in mature avian erythrocytes. Zentgraf H, et al. **Exp Cell Res** 96(1):81–95, Nov 75

RNA profile of blood cells from LSD-affected persons. Cousineau GH, et al. **Rev Can Biol** 34(3):77–82, Sep 75

Loading of human red blood cells with DNA and RNA. Auer D, et al. **Z Naturforsch [C]** 31(3–4):149–51, Mar–Apr 76

[Increase in the concentration of RNA in the blood erythrocytes of women in the ovulation period] Uroshleva LA, et al. **Biull Eksp Biol Med** 81(4):427–8, 1976 (Eng. Abstr.) **(Rus)**

[Effect of insulin on the nucleic acid levels in the blood of patients with diabetes mellitus] Franchuk MM. **Ter Arkh** 47(5):132–4, 1975 (Eng. Abstr.) **(Rus)**

[Nucleic acids and sulfhydryl compounds in neurocirculatory dystonia of the cardiac type] Selivonenko VG. **Vrach Delo** (2):30–2, Feb 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunotherapy for malignant lesions in man using immunogenic ribonucleic acid. deKernion JB, et al. **Am J Surg** 130(5):575–8, Nov 75

Lymphocytotoxic and RNA antibodies in inflammatory bowel disease: a comparative study in patients and their families.? Korsmeyer SJ, et al. **Ann NY Acad Sci** 278:574–85, 1976

Inhibition of replication of virus-transformed fibroblasts by antibodies to RNA. Varesio L, et al. **Cancer Res** 35(12):3558–65, Dec 75

Evidence that immune RNA is messenger RNA. Bilello P, et al. **Cell Immunol** 23(2):309–19, May 76

Kinetics of synthesis and immunologically active fraction of anti-tumor immune RNA. Kern DH, et al. **Cell Immunol** 24(1):58–68, 1 Jun 76

Atomic spectroscopic evidence for the absence of a low-molecular-weight (486) antigen in RNA extracts shown to transfer delayed-type hypersensitivity in vitro. Schlager SI, et al. **Cell Immunol** 14(1):104–22, Oct 74

Studies on the cellular site of action of macrophage RNA-antigen complexes. White SL, et al. **Cell Immunol** 21(1):56–69, Jan 76

Transfer of tumor-specific cell-mediated cytotoxicity with RNA. Wang BS, et al. **Chin J Microbiol** 8(3):236–9, Sep 75

Transfer of antitumor immunity by 'immune' RNA. Pilch YH, et al. **Curr Top Microbiol Immunol** 72:157–90, 1975 (66 ref.)

Induction of immunological memory in mice by RNA extract. Ziska P, et al. **Experientia** 32(4):520–1, 15 Apr 76

Aspects of tolerance to RNA in different strains of mice. Giovarelli M, et al. **G Batteriol Virol Immunol** 67(7–12):199–208, Jul–Dec 74

Nucleic acid-reactive antibodies of restricted heterogeneity. Cameron DJ, et al. **Immunochemistry** 13(3):263–9, Mar 76

Immunochemical characterization of the anti-RNA antibodies found in scleroderma and systemic lupus erythematosus. II. Reactivity with hsa-coupled, uridine-containing, monophosphoric ribodinucleotides. Alarcón-Segovia D, et al. **Immunology** 30(3):413–8, Mar 76

Naturally occurring double-stranded RNA and immune responses. III. Immunogenicity and antigenicity in animals. Cunningham PG, et al. **Immunology** 29(6):1001–18, Dec 75

Induction of specific and non-specific immunoglobulin production by RNA. pp. 390–2.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.

The augmentation of tumor-specific immunity with immune RNA. pp. 121–5. Deckers PJ, et al.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.

The role of macrophage RNA in the immune response. pp. 127–36. Fishman M.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Proceedings: Hybridization kinetics of RNA and DNA from mouse lymphoid cells following immunization. Moav N, et al. **Isr J Med Sci** 11(12):1394, Dec 75

Complete regression of a guinea pig hepatocarcinoma by immunotherapy with 'tumor-immune' RNA or antibody to fibrin fragment E. Schlager SI, et al. **Isr J Med Sci** 12(4–5):344–59, Apr–May 76

Anti-nucleic acid antibodies in systemic lupus erythematosus patients and their families. Incidence and correlation with lymphocytotoxic antibodies. DeHoratius RJ, et al. **J Clin Invest** 56(5):1149–54, Nov 75

Carrier-induced tolerance to nucleic acid antigens. Stollar BD, et al. **J Immunol** 115(4):1095–110, Oct 75

Analysis of immunoglobulin genes: DNA/RNA hybridization with immunoglobulin kappa-chain mRNA and isolation and translation of hybridized RNA. Storb U, et al. **J Immunol** 117(1):259–68, Jul 76

Antibodies ot double-stranded RNA: specificity and serum nucleases. Payne CC, et al. **J Immunol Methods** 9(2):147–56, Dec 75

Delayed hypersensitivity to fungal antigens in mice. II. Molecular classes in immunogenic RNA extracts that transfer delayed hypersensitivity. Rifkind D, et al. **J Infect Dis** 133(5):523–32, May 76

Delayed hypersensitivity to fungal antigens in mice. II. Characterization of the active component in immunogenic RNA extracts. Rifkind D, et al. **J Infect Dis** 133(5):533–7, May 76

The augmentation of concomitant tumor immunity with RNA. Wang BS, et al. **J Surg Res** 20(3):183–94, Mar 76

Immune cytolysis of human renal carcinoma mediated by xenogeneic immune ribonucleic acid. Brower PA, et al. **J Urol** 115(3):243–5, Mar 76

Immune cytolysis of human neoplasms mediated by RNA. Brower PA, et al. **Surg Forum** 26:156–8, 1975

[Antigen-specific lysis in vitro of lymph node cells of intact mice injected with RNA from viable lymph node cells of immunized animals] Adamenko GP, et al. **Biull Eksp Biol Med** 81(4):459–62, 1976 (Eng. Abstr.) **(Rus)**

[Circulation of antibodies to dispiral RNA and ribosomal RNA in patients with allergies, rheumatic disease, and rheumatic arthritis] Zborovskii AB, et al. **Biull Eksp Biol Med** 79(4):89–91, Apr 75 (Eng. Abstr.) **(Rus)**

[Use of I125 labelled poly(I). poly(C) for determination of antibodies to double-stranded RNA by immune complex absorption to nitrocellulose filters] Pedgorodnichenko VK, et al. **Mol Biol (Mosk)** 10(2):314–20, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Isolation of antibodies to double-stranded RNA in children with collagen diseases] Levina SG, et al. **Pediatriia** (9):34–5, Sep 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Presence of a new RNA species among the initiation protein factors active in eukaryotes translation. Schapira G, et al. **Acta Biol Med Ger** 33(5–6):913–7, 1974

Methylmercury as a reversible denaturing agent for agarose gel electrophoresis. Bailey JM, et al. **Anal Biochem** 70(1):75–85, Jan 76

Specificity of oligo (dT)-cellulose chromatography in the isolation of polyadenylated RNA. Bantle JA, et al. **Anal Biochem** 72:413–27, 7 May 76

An improved method for the rapid isolation of RNA from tissue with high ribonuclease content. Bynum JW, et al. **Anal Biochem** 73(1):209–14, 21 May 76

A simple method for the isolation of undegraded giant RNA molecules. Case ST, et al. **Anal Biochem** 74(1):198–206, Jul 76

The preparation of 13C-15N-labeled nucleosides and methods for fractionating density-labeled RNA. Grainger RM. **Anal Biochem** 72:513–26, 7 May 76

Temperature of acrylamide polymerization and electrophoretic mobilities of nucleic acids. Gressel J, et al. **Anal Biochem** 69(1):84–91, Nov 75

The concentration of macromolecules by electrophoresis-sedimentation. Posner I. **Anal Biochem** 70(1):187–94, Jan 76

Separation of high molecular weight heterodisperse RNA and rRNA by polyacrylamide gels. Shaaya E. **Anal Biochem** 75(1):325–8, Sep 76

Characteristics of ribonucleic acids isolated for Botryodiplodia theobromae pycnidiospores. Knight RH, et al. **Arch Microbiol** 109(1–2):45–50, Aug 76

Isolation of polyadenylic acid-containing RNA using Ca(II). Landes GM, et al. **Biochem Biophys Res Commun** 66(4):1209–17, 27 Oct 75

A simple method of characterizing mitochondrial ribonucleic acid. Haldar D, et al. **Biochem J** 147(3):621–3, Jun 75

The use of ammonium acetate in the precipitation of ribonucleic acid. Osterburg HH, et al. **Biochem J** 147(2):367–8, May 75

Isolation of a nuclear ribonucleoprotein network that contains heterogeneous RNA and is bound to the nuclear envelope. Faiferman I, et al. **Biochemistry** 14(17):3808–16, 26 Aug 75

Low molecular weight RNA species from chromatin. Marzluff WF Jr, et al. **Biochemistry** 14(16):3715–24, 12 Aug 75

Stimulation of proteinase K action by denaturing agents: application to the isolation of nucleic acids and the degradation of 'masked' proteins. Hilz H, et al. **Eur J Biochem** 56(1):103–8, 1 Aug 75

Poly(A) associated RNA from mitochondria and microsomes

of rat brain. Cupello A, et al. **Experientia** 32(7):872–4, 1976

Purification of RNA from animal cells using diethyl-pyrocarbonate. Tsuei D, et al. **Experientia** 32(6):749–51, 15 Jun 76

Preparation of RNA and ribosomes from yeast. Rubin GM. **Methods Cell Biol** 12:45–64, 1975 (67 ref.)

Separation of brain-RNA by micro-electrophoresis on agarose-acrylamide gels. Cupello A, et al. **Neurobiology** 5(3):129–36, Jun 75

[Affinity chromatography with 125I-labeled RNA] Kern H. **Z Naturforsch [C]** 30(4):546–8, Jul–Aug 75 (Eng. Abstr.) **(Ger)**

[Intranuclear distribution of rat liver ribosomal RNA] Dabeva MD, et al. **Biokhimiia** 41(3):458–68, Mar 76 (Eng. Abstr.) **(Rus)**

[Chromatographic separation of ribonucleic acids from bacterial and animal cells on MAB columns] Shirobokov VP, et al. **Biokhimiia** 40(3):531–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Detection of a fraction of stable nuclear DNA-like RNA in rat liver cells] Likhtenshtein AV, et al. **Dokl Akad Nauk SSSR** 227(1):240–3, Mar–Apr 76 **(Rus)**

[Double-stranded RNA of homothallic Saccharomycetes with different cytoplasmic determinants of antagonistic activity] Nesterova GF, et al. **Dokl Akad Nauk SSSR** 226(4):951–4, 1 Feb 76 **(Rus)**

[Studies on nuclear DNA-like RNA by ion-exchange cromatography on methylated albumin Kieselguhr] Likhtenshtein AV, et al. **Mol Biol** 8(5):703–10, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[Biochemical and cytospectrophotometric analysis of the extraction of RNA from spinal cord cell structures] Venkov L, et al. **Tsitologiia** 17(7):858–61, Jul 75 (Eng. Abstr.) **(Rus)**

[Phenolic extraction of nucleic acids from the spermatozoa of the roach and the bream] Nedovesova ZP, et al. **Ukr Biokhim Zh** 48(2):244–8, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

METABOLISM

Effect of malononitrile dimer on RNA concentration of neurons as demonstrated by azure B staining. Dhindsa KS, et al. **Acta Anat (Basel)** 95(1):58–65, 1976

The effect of intra-uterine contraceptive devices on the oestrogen-induced incorporation of [3H-5]uridine into RNA by the rat uterus. Dada OA, et al. **Acta Endocrinol (Kbh)** 81(1):165–9, Jan 76

RNA metabolism in chick oviduct during oestrogen stimulation. Hemminki K. **Acta Endocrinol (Kbh)** 81(3):580–92, Mar 76

Glucocorticoid effect on repair processes in vascular connective tissue. Morphological examination and biochemical studies on collagen RNA and DNA in rabbit aorta. Manthorpe R, et al. **Acta Endocrinol (Kbh)** 80(2):380–97, Oct 75

Effect of pre- and postnatal protein-calorie undernutrition on RNA-content in rat motor neurons. Sourander P, et al. **Acta Neurol Scand** 53(3):209–16, Mar 76

Letter: Study of glucose-6-phosphate and isocitrate dehydrogenases, DNA, RNA and total nitrogen in the rabbit placenta during its hypertrophic response to ovariectomy. Abdul-Karim RW. **Acta Obstet Gynecol Scand** 55(1):85, 1976

Developmental changes of protein, RNA, DNA, lipid, and glycogen in the liver, skeletal muscle, and brain of the piglet. A methodological and experimental study with special reference to protein synthesis. Hakkarainen J. **Acta Vet Scand [Suppl]** (59):1–198, 1975

In vitro RNA iodination with the aid of chloramine T. Shaposhnikov JD, et al. **Anal Biochem** 75(1):234–40, Sep 76

Processing of RNA. Perry RP. **Annu Rev Biochem** 45:605–29, 1976 (216 ref.)

Differential effect of ATP on RNA and DNA release from nuclei of normal and neoplastic liver. Schumm DE, et al. **Biochem Biophys Res Commun** 67(2):706–13, 17 Nov 75

The metabolism of high-molecular-weight ribonucleic acid including polyadenylated species, in the developing rat brain. Berthold W, et al. **Biochem J** 154(2):517–27, 15 Feb 76

Nucleo-cytoplasmic relationships of high-molecular-weight ribonucleic acid, including polyadenylated species, in the developing rat brain. Berthold W, et al. **Biochem J** 154(2):529–39, 15 Feb 76

The theory of the deoxyribonucleic acid - ribonucleic acid hybridization reaction. Thomou H, et al. **Biochem J** 153(2):241–7, 1 Feb 76

Comparisons of RNA populations from the breast muscle of normal and dystrophic chickens. Neal MW, et al. **Biochem Med** 13(2):127–37, Jun 75

Purification of myosin translational control RNA and its interaction with myosin messenger RNA. Heywood SM, et al. **Biochemistry** 15(15):3314–9, 27 Jul 76

Different binding of poly(A)-containing and poly(A)-free fractions of nuclear ribonucleic acid to ribosomes from rat liver. Grozdanovič J, et al. **Biochim Biophys Acta** 402(1):69–82, 6 Aug 75

Biochemical effects of asbestiform minerals on lung fibroblast cultures. Hext PM, et al. **Br J Exp Pathol** 57(3):281–5, Jun 76

Ultrastructural changes in the developing nucleolus following axotomy. Kinderman NB, et al. **Brain Res** 108(2):237–47, 28 May 76

Topochemical and cytochemical studies on RNA content in the central nervous system of the active and hibernating ground squirrel, Citellus erythrogenys. Pevzner LZ, et al. **Brain Res** 108(1):205–11, 21 May 76

The effect of ecdysterone on 3H-uridine incorporation into fat body RNA in caterpillars of Celerio euphorbiae L. (Lepidoptera). Kolanowska E, et al. **Bull Acad Pol Sci [Biol]** 23(4):239–42, 1975

Utilization of dietary nucleic acid purines for nucleotide and nucleic acid synthesis in the mouse. Burridge PW, et al. **Can J Biochem** 54(5):500–6, May 76

The urinary excretion of nucleosides of ribonucleic acid by patients with advanced cancer. Waalkes TP, et al. **Cancer** 36(2):390–8, Aug 75

Interaction of the carcinogen 3,3-dimethyl-1-phenyltriazene with nucleic acids of various rat tissues and the effect of a protein-free diet. Kleihues P, et al. **Cancer Res** 36(7 PT 1):2189–93, Jul 76

Binding of metabolically activated benzo(a)pyrene to nuclear macromolecules. Pezzuto JM, et al. **Cancer Res** 36(10):3647–53, Oct 76

Quantitation of turnover and export to the cytoplasm of hnRNA transcribed in the Balbiani rings. Egyházi E. **Cell** 7(4):507–15, Apr 76

Alteration in cellular RNAs during the in vitro lifespan of cultured human diploid fibroblasts. Schneider EL, et al. **Cell** 6(2):179–84, Oct 75

Replication of DNA in mammalian chromosomes. III. Size and RNA content of Okazaki fragments. Taylor JH, et al. **Chromosoma** 53(2):175–89, 24 Nov 75

An examination of the nuclear RNA of adenovirus-transformed cells. Georgieff M, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:475–82, 1975

Dehydrogenases, nucleic acids and soluble proteins in mammary gland of the Mongolian gerbil during pregnancy, lactation and involution. Waldemarson KH, et al. **Comp Biochem Physiol [B]** 55(1):109–15, 1976

Comparative cytochemical measurements in the diploid-tetraploid species pair of hylid frogs Hyla chrysoscelis and H. versicolor. Bachmann K, et al. **Cytogenet Cell Genet** 15(3):186–94, 1975

Preliminary evidence for the effects of environmental complexity on hybridization of rat brain RNA to rat unique DNA. Uphouse LL, et al. **Dev Psychobiol** 8(2):171–8, Mar 75

Incorporation rate of glucose carbon, palmitate carbon and leucine carbon into metabolites in relation to enzyme activities and RNA levels in human skeletal muscles. Bylund AC, et al. **Enzyme** 21(1):39–52, 1976

The development of creatine kinase in rat skeletal muscle. Changes in isoenzyme ratio, protein, RNA and DNA during development. Kloosterboer HJ, et al. **Enzyme** 21(5):448–58, 1976

The incorporation of newly synthesized RNA into nuclear ribonucleoprotein particles after oestrogen administration to immature rats. Knowler JT. **Eur J Biochem** 64(1):161–5, 15 Apr 76

The involvement of RNA in the initiation of DNA synthesis in mammalian cells. Artifacts arising during caesium-salt density-gradient centrifugation which simulate a covalent attachment of RNA to newly synthesized DNA. Pearson CK, et al. **Eur J Biochem** 62(3):451–9, 1 Mar 76

Nuclear RNA in sea urchin embryos. I. Some characteristics of ribonucleoprotein complexes. Alfageme CR, et al. **Exp Cell Res** 96(2):255–62, Dec 75

Nucleocytoplasmic translocation of RNA in Tetrahymena pyriformis and its inhibition by actinomycin D and cycloheximide. Eckert WA, et al. **Exp Cell Res** 94(1):31–46, Aug 75

Manipulation of the amount of RNA in post-mitotic nuclei. Goldstein L, et al. **Exp Cell Res** 95(2):279–86, 15 Oct 75

Nucleolar activity and RNA metabolism in previtellogenic and vitellogenic oocytes of Xenopus laevis. A biochemical and autoradiographical, light and EM study. van Gansen P, et al. **Exp Cell Res** 98(1):111–9, 1 Mar 76

Neurochemical correlates of alloxan diabetes: I. Ribonucleic acid and protein levels of amphibian brain. Nayeemunnisa. **Experientia** 31(8):942–3, 15 Aug 75

Protein synthesis in an E. coli system directed by yeast mitochondrial RNA. Eggitt MJ. **FEBS Lett** 61(1):6–9, 01 Jan 76

Precursors to small molecular weight RNA components. Frederiksen S, et al. **FEBS Lett** 58(1):374–8, 15 Oct 75

In vivo and in vitro binding of ethionine with nucleic acids. Grilli S, et al. **Gann** 65(6):507–11, Dec 74

Effect of cholecystokinin and 16,16-dimethyl prostaglandin E2 on RNA and DNA of gastric and duodenal mucosa. Johnson LR, et al. **Gastroenterology** 70(1):59–65, Jan 76

Elevated serum growth hormone in protein-deprived rats, and decreased liver RNA after hypophysectomy. Christensson PI, et al. **Hoppe Seylers Z Physiol Chem** 356(5):591–7, May 75

Poly(A)-containing RNA in embryonic chick tissues. Hemminki K. **Hoppe Seylers Z Physiol Chem** 357(1):1–5, Jan 76

The control of androgen synthesis in human fetal testicular cells in culture. pp. 247–54. Villee DB.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Nucleic acid precursor incorporation patterns in ventral prostate tissue from rats of different ages. pp. 361–8. Meltz ML.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Small molecular weight RNA components related to nucleolar function. pp. 175–80. Frederiksen S, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Proteins and RNAs in nucleocytoplasmic interactions. pp. 189–204. Goldstein L.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Studies on RNA synthesis and transport using nuclear columns. pp. 93–8. Sauermann G.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Recent observations concerning RNA methylation and polyamine metabolism in cystic fibrosis. pp. 223–41. Farrell PM, et al.
In: Mangos JA, Talamo RC, ed. Cystic fibrosis: projections into the future. New York, Stratton, 1976. WI 820 C9995 1976.

Translation of heterogeneous nuclear RNA of avian immature red blood cells in a cell-free system of Ehrlich ascites cells. pp. 761–71. Knöchel W.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Appearance and decay of ribonucleic acids in the cytoplasm of salivary gland cells of Chironomus tentans. pp. 289–303. Edström JE.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

RNA-directed DNA synthesis in viruses and normal cells: a possible mechanism in differentiation. pp. 339–48. Kang CY, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

A hormone-controlled RNA fraction regulating enzyme development in plant cells. pp. 61–72. Kaur-Sawhney R, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Thyrotropin-like activity of thyroid RNA in vitro. pp. 86–9. Mu J.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

In vivo uptake of RNA and its function in the castrate uterus. pp. 90–109. Niu MC, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

The structure and regulation of eukaryotic genomes approached by studying HnRNA. pp. 185–98. Darnell JE Jr.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

RNA transport from the nucleus to the cytoplasm in Acetabularia mediterranea. pp. 251–7. Dazy AC, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Double stranded RNA containing particles from the yeast Saccharomyces cerevisiae and their relationship to the 'killer' character. pp. 149–54. Herring AJ, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Possible systemic mode of action of vitamin A. pp. 287–93. Ganguly J, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Changes in free alpha-amino nitrogen & nucleic acid patterns in protein deficient rats. Lal H, et al. **Indian J Exp Biol** 13(1):19–21, Jan 75

Interaction of virulent Mycoplasma pneumoniae with hamster tracheal organ cultures. Hu PC, et al. **Infect Immun** 14(1):217–24, Jul 76

The effect of radiation on processing of nuclear RNA and chromatin ribonuclease activity in rat liver and thymus. Tokarskaya VI, et al. **Int J Radiat Biol** 27(6):533–42, Jun 75

Axonal transport of proteins and RNA along the optic pathway. Giuffrida AM, et al. **Ital J Biochem** 24(6):377–81, Nov-Dec 75

Stabilization of an RNA molecule by 3'-terminal poly (A)-induced inhibition of RNase activity. Hieter PA, et al. **J Biol Chem** 251(11):3287–93, 10 Jun 76

Cytoplasmic zone analysis. RNA flow studied by micromanipulation. Edström JE, et al. **J Cell Biol** 70(3):562–72, Sep 76

Content of RNA in supraoptic and paraventricular neurones of rats with hereditary diabetes insipidus (Brattleboro strain). Jarlstedt J, et al. **J Endocrinol** 66(3):435–6, Sep 75

RNA and protein metabolism in the oviduct and endometrium of the ewe at pro-oestrus: Regulation by

oestradiol and progesterone. Miller BG. **J Endocrinol** 69(1):57–66, Apr 76

Antibodies to the triplet codons AAA, AAC, and AUG: reactions with nucleic acids. D'Alisa R, et al. **J Immunol** 116(6):1629–34, Jun 76

Uptake in vitro of nucleic acid precursors and nucleic acids by Zajdela ascitic hepatoma cells. Bhargava PM, et al. **J Membr Biol** 22(3–4):341–56, 24 Jul 75

Letter: Methylation of mitochondrial RNA species in the wild-type and poky strains of Neurospora crassa. Lambowitz AM, et al. **J Mol Biol** 96(1):207–14, 25 Jul 75

Changes in RNA metabolism and accumulation of presumptive messenger RNA during transition from the growing to the quiescent state of cultured mouse fibroblasts. Rudland PS, et al. **J Mol Biol** 96(4):745–66, 25 Aug 75

Evidence for covalent association of RNA with nascent DNA in human lymphocytes. Tseng BY, et al. **J Mol Biol** 99(2):339–46, 5 Dec 75 (Eng. Abstr.)

Regression of myocardial hypertrophy. I. Experimental model, changes in heart weight, nucleic acids and collagen. Cutilletta AF, et al. **J Mol Cell Cardiol** 7(10):761–80, Oct 75

Acetic acid, a potent stimulator of mouse epidermal macromolecular synthesis and hyperplasia but with weak tumor-promoting ability. Slaga TJ, et al. **J Natl Cancer Inst** 55(4):983–7, Oct 75

Axonal transport of RNA during regeneration of the optic nerves of goldfish. Ingoglia NA, et al. **J Neurobiol** 6(6):549–63, Nov 75

Changes in the levels of DNA, RNA, protein and DNases in developing and old chick brain. Shrivastaw KP, et al. **J Neurochem** 25(6):861–5, Dec 75

Nerve growth factor-induced rapid activation of RNA labeling in dorsal root ganglionic dissociates from chick embryos. Horii ZI, et al. **J Neurosci Res** 1(5–6):361–75, 1975

Effects of riboflavin repletion during different developmental phases on behavioral patterns, brain nucleic acid and protein contents, and erythrocyte glutathione reductase activity of male rats. Fordyce MK, et al. **J Nutr** 105(9):1150–6, Sep 75

Studies on the binding of 5,5-diphenyl-hydantoin to nucleic acids in vitro and to rat brain subcellular fractions in vitro and in vivo. Boykin ME, et al. **J Pharmacol Exp Ther** 196(2):469–77, Feb 76

Proceedings: RNA content of rat small intestinal mucosa following intestinal surgery. Murray B, et al. **J Physiol (Lond)** 259(1):61P–62P, Jul 76

The influence of testosterone on the synthesis and degradation rate of various RNA species in the mouse kidney. Avdalović N, et al. **J Sports Med** 1(4):299–307, 1973

On the mechanism for formation of RNA . DNA complexes from lymphocytes. Mendelsohn J, et al. **J Sports Med** 1(4):283–91, 1973

Site on the RNA of an avian sarcoma virus at which primer is bound. Taylor JM, et al. **J Virol** 16(3):553–8, Sep 75

RNA methylation and polyamine metabolism in cystic fibrosis. Rennert OM. **Minerva Pediatr** 28(2):62–8, 28 Jan 76

Role for small nuclear RNAs in 'programming' chromosomal information? Goldstein L. **Nature** 261(5560):519–21, 10 Jun 76

Rat liver microsomes catalyse covalent binding of 14C-vinyl chloride to macromolecules. Kappus H, et al. **Nature** 257(5522):134–5, 11 Sep 75

Differential effect of plasma fractions from normal and tumour-bearing rats on nuclear trna-restriction. Schumm DE, et al. **Nature** 256(5517):508–9, 7 Aug 75

Effect of protein depletion on the RNA content and proteosynthesis level in rat liver and brain. Chavko M, et al. **Physiol Bohemoslov** 24(4):339–44, 1975

Accelerated RNA turnover in toad urinary bladder epithelial cells during early aldosterone action. Hutchinson JH, et al. **Physiol Chem Phys** 7(5):453–64, 1975

Relationship between nuclear and cytoplasmic poly(adenylic acid). Brandhorst BP, et al. **Proc Natl Acad Sci USA** 72(9):3580–4, Sep 75

Ribonuclease-sensitive DNA-synthesizing complex in human sperm heads and seminal fluid. Witkin SS, et al. **Proc Natl Acad Sci USA** 72(9):3295–9, Sep 75

The fraction of microbial nitrogen entering the duodenum of sheep. Ling JR, et al. **Proc Nutr Soc** 35(1):39A–40A, May 76

The metabolism of heterogeneous nuclear RNA and the formation of cytoplasmic messenger RNA in animal cells. Molloy G, et al. **Prog Biophys Mol Biol** 31(1):1–38, 1976 (258 ref.)

Initiation of enzymic synthesis of deoxyribonucleic acid by ribonucleic acid primers. Chargaff E. **Prog Nucleic Acid Res Mol Biol** 16:1–24, 1976 (43 ref.)

Effects of arachidonic acid on RNA metabolism in mammary gland explants of mice. Rillema JA. **Prostaglandins** 10(2):307–12, Aug 75

Effects of x-irradiation on liver RNA metabolism in specifically shielded rats. Abdel-Halim MN, et al. **Radiat Res** 65(2):327–36, Feb 76

Catecholamine, protein, and RNA content in advanced congestive heart failure in the Syrian hamster. Alousi AA, et al. **Recent Adv Stud Cardiac Struct Metab** 1:279–88, 1972

Nucleic acid metabolism in cardiac hypertrophy. Fanburg BL, et al. **Recent Adv Stud Cardiac Struct Metab** 3:575–88, 1973

Cytochemical and cytoenzymatic investigations in the management of leukemias. Micu D. **Rev Roum Med [Med Intern]** 14(3):175–84, Jul–Sep 76 (Eng. Abstr.)

Benzo(a)pyrene diol epoxides as intermediates in nucleic acid binding in vitro and in vivo. Weinstein IB, et al. **Science** 193(4253):592–5, 13 Aug 76

Mitochondrial RNA and protein metabolism. Avadhani NG, et al. **Subcell Biochem** 4(2):93–145, Jun 76

Nucleoside triphosphate levels in Streptomyces hydrogenans during growth and induction of 20beta-hydroxysteroid dehydrogenase. Betz J, et al. **Z Naturforsch [C]** 31(7–8):486–7, Jul–Aug 76

[RNA metabolism in chick embryo skin] Desveaux-Chabrol J. **Biochimie** 58(5):563–78, 1976 (Eng. Abstr.) **(Fre)**

[Nucleic acid metabolism in testes from adult rats deficient in vitamin A] Goubern M, et al. **C R Acad Sci [D] (Paris)** 282(2):223–6, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Electron microscopic demonstration of links between DNA filaments and fibrillar areas of nucleolar RNA in interphase nuclei of L 929 cells] Pouchelet M, et al. **C R Acad Sci [D] (Paris)** 280(21):2461–3, 2 Jun 75 (Eng. Abstr.) **(Fre)**

[Histochemical and quantitative studies of RNA in the thyroid epithelium under the influence of thyrotropic hormone (TSH)] Gocan ME. **Morphol Embryol (Bucur)** 21(1):9–15, 1975 **(Fre)**

[Reactions of human neck muscle-fibers to vestibular stimulation (author's transl)] Schmidt CL, et al. **Arch Otorhinolaryngol (NY)** 211(4):231–6, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Concentration of RNA, DNA and protein in the human tonsil as a parameter for the discrimination of their function (author's transl)] Siegel G, et al. **Arch Otorhinolaryngol (NY)** 211(4):237–47, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Nutritional effect on nucleic acid metabolism of the rat brain in the postnatal period] van der Meulen N, et al. **Monatsschr Kinderheilkd** 123(5):288–90, May 75 **(Ger)**

[The action of insulin on ribonucleic acid metabolism (author's transl)] Tragl KH. **Wien Klin Wochenschr** 87(11):361–3, 30 May?75 (Eng. Abstr.) **(Ger)**

[Canges in nucleoprotein metabolism in the rat brain. III. Effect of a single concentration or of a mixture of oxalacetic acid, alpha-ketoglutarate and pyridoxal-5-phosphate in animals subjected to muscular exercise] Casti A, et al. **Boll Soc Ital Biol Sper** 51(20):1455–61, 30 Oct 75 **(Ita)**

[Nucleic acid metabolism in epidermis (author's transl)] Seiji M. **Jpn J Dermatol** 85(12):741–6, Oct 75 **(Jpn)**

[Neoplastic transformation, systemic macromolecules and evolution of organisms] Szabuniewicz B. **Pol Tyg Lek** 31(29):1263–6, 19 Jul 76 (13 ref.) **(Pol)**

[Binding of carbaryl (1-naphthyl-N-methyl-carbamate) by RNA and rat liver proteins] Syrowatka T, et al. **Rocz Panstw Zakl Hig** 26(6):683–90, 1975 (Eng. Abstr.) **(Pol)**

[Morphologic and cytophotometric indices of the state of the neurons of the spinal cord and spinal cord ganglia following exposure to gravitational stress] Dyskin EA, et al. **Arkh Anat Gistol Embriol** 69(7):19–23, Jun 75 (Eng. Abstr.) **(Rus)**

[Histochemical study of fibroblasts and fibrous structures of the derma of rats in the process of postnatal development] Kruglikov GG, et al. **Arkh Anat Gistol Embriol** 68(4):43–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of low temperatures on the level of nucleic acids and protein in the nuclei of early bird embryos (cytophometric study)] Zusman IN, et al. **Arkh Anat Gistol Embriol** 68(4):74–80, Apr 75 (Eng. Abstr.) **(Rus)**

[Autoradiographic analysis of the incorporation of uridine-H3 into hyperchromic motoneurons of mouse spinal cord] Iarygin VN, et al. **Biull Eksp Biol Med** 79(6):105–7, Jun 75 (Eng. Abstr.) **(Rus)**

[A cytochemical study of binaurally converging connections in the nuclei of the cat superior olive] Shmigidina GN, et al. **Biull Eksp Biol Med** 81(2):242–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of carbon tetrachloride on RNA metabolism in rat liver] Voronova LA, et al. **Biull Eksp Biol Med** 81(5):543–5, May 76 (Eng. Abstr.) **(Rus)**

[RNA content in neurons and glia of hypothalamic nuclei following intermittent cooling] Filipchenko RE, et al. **Dokl Akad Nauk SSSR** 223(1):252–5, Jul–Aug 75 **(Rus)**

[Cytospectrophotometric determination of the content of RNA and Shick-positive substances in the lung macrophages in case of action of copper-nickel dust] Iakubov BI. **Gig Sanit** (12):68–9, Dec 75 **(Rus)**

[A study of release of the rapidly labeled RNA from isolated rat liver nuclei in a cell-free system] Shchuppe NG, et al. **Mol Biol** 8(6):913–20, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

[A study of the long-lasting nuclear RNA from avian erythroid cells] Tarantul VZ, et al. **Mol Biol** 8(6):864–70, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

[The origin of mitochondrial RNA in animal tissues. 4. Post-transcriptional RNA modification and polyribosome formation in isolated mitochondria] Kiselev OI, et al. **Mol Biol (Mosk)** 9(3):388–97, May–Jun 75 (Eng. Abstr.) **(Rus)**

[The origin of mitochondrial RNA in animal tissues. 4. Post-transcriptional RNA modification and polyribosome formation in isolated mitochondria] Kiselev OI, et al. **Mol Biol (Mosk)** 9(3):388–97, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Intracellular distribution of RNA in Acetabularia mediterranea] Naumova LP, et al. **Mol Biol (Mosk)** 10(2):404–11, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The dynamics of the specific activity of newly synthesized RNA during loach embryo development] Kotomin AV, et al. **Ontogenez** 6(4):392–7, 1975 (Eng. Abstr.) **(Rus)**

[The dynamics of the specific activity of newly synthesized RNA during loach embryo development] Kotomin AV, et al. **Ontogenez** 6(4):392–7, 1975 (Eng. Abstr.) **(Rus)**

[Nuclear apparatus and differentiation of salivary glands of larvae of Drosophila virilis. 1. Change in DNA and RNA content in different cell structures at the stage of secretion formation] Onischenko AM, et al. **Ontogenez** 7(1):76–81, 1976 (Eng. Abstr.) **(Rus)**

[Rna transport from the nucleus to the cytoplasm in Acetabularia mediterranea] Pressman EK, et al. **Ontogenez** 6(3):300–3, 1975 (Eng. Abstr.) **(Rus)**

[The effect of multiple injections of ACTH (alone and combined with sodium ribonucleinate) on incorporation of P32-orthophosphate into the mitochondrial RNA of the liver, spleen and heart of white rats] Minchenko AG, et al. **Probl Endokrinol (Mosk)** 22(1):47–50, Jan–Feb 76 **(Rus)**

[Effect of prolonged fractionated radiation on nucleic acid metabolism in rat bone marrow] Kisel'gof EI, et al. **Radiobiologiia** 15(3):340–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on RNA metabolism. 2. Kinetics of nuclear RNA decomposition in irradiated rat organs] Umanskiĭ SR, et al. **Radiobiologiia** 15(6):807–11, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Study of nucleic acid metabolism in the mononuclear cells of peripheral blood and 'skin windows' in patients with active rheumatism] Matulis AA, et al. **Ter Arkh** 47(11):48–52, 1975 (Eng. Abstr.) **(Rus)**

[Character of neuronal functional associations according to the content of RNA and SH-groups in the cat cerebral cortex] Khusainova IS, et al. **Tsitologiia** 17(11):1289–93, Nov 75 (Eng. Abstr.) **(Rus)**

[Influence of denervation of the liver on its level of nucleic acids and free adenine nucleotides] Aksenova VM. **Ukr Biokhim Zh** 47(1):12–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Effect of sensitization on the content of nucleic acids in the skin of animals] Kondrat'ev GG. **Vestn Dermatol Venerol** (2):28–31, Feb 74 (Eng. Abstr.) **(Rus)**

[Characteristics of metabolism of nucleic acids in psoriasis] Suvorov AP. **Vestn Dermatol Venerol** (1):30–3, Jan 74 (Eng. Abstr.) **(Rus)**

[Combined action of noise and streptomycin on the nature of changes in nucleic acids and reaction of the hair cell nuclei of the spiral organ] Pakunov AT. **Vestn Otorinolaringol** (3):50–4, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Effect of sinusoidal modulated currents on some indices of nucleic metabolism in the tissues of rabbits with experimental atherosclerosis] Sokolova ZA. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):303–7, Jul–Aug 75 **(Rus)**

[Morpho-histochemical changes in the placenta in hypotension of pregnancy] Gaĭstruk AN. **Vopr Okhr Materin Det** 20(8):87, Aug 75 **(Rus)**

[Metabolism of nucleic acids in normal, regenerating and neoplastic tissues of the liver] Bogdanov GN, et al. **Vopr Onkol** 21(4):28–32, 1975 (Eng. Abstr.) **(Rus)**

[Change in nucleic acid metabolism in patients with active pulmonary tuberculosis undergoing antibacterial treatment] Beloblotskiĭ GA. **Vrach Delo** (1):106–7, Jan 74 (Eng. Abstr.) **(Rus)**

[Dynamic aspects of RNA metabolism in the brain of mollusca during electrical effects] Kuz'min SM, et al. **Zh Evol Biokhim Fiziol** 11(3):274–81, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Cytochemical characteristics of nucleic acids in the peripheral blood lymphocytes of patients with multiple sclerosis] Grechukh AM. **Zh Nevropatol Psikhiatr** 76(5):672–4, 1976 (Eng. Abstr.) **(Rus)**

[Glio-neuronal relationships in the cerebral cortex in senile dementia] Oksova EE. **Zh Nevropatol Psikhiatr** 75(7):1026–30, 1975 (Eng. Abstr.) **(Rus)**

[Distribution of nucleic acids in the receptor elements of the spiral organ in alloxan diabetes] Kozlov MIa, et al. **Zh Ushn Nos Gorl Bolezn** (6):73, Nov–Dec 75 **(Rus)**

[The effect of antidromic stimulation of spinal motor neurons on nucleic acid turnover in their cytoplasm] Slyvko EI, et al. **Fiziol Zh** 21(3):400–1, May–Jun 75 **(Ukr)**

[A comparative study of activity of nucleic acid metabolism in human embryonic liver] Borzenko BH, et al. **Ukr Biokhim Zh** 47(6):724–7, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Metabolizability of RNA in the liver mitochondia of rats under the influence of hydrocortisone and sodium ribonucleinate] Hermaniuk, IaL., et al. **Ukr Biokhim Zh** 47(1):15–22, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Content of nucleic acids in the mammary gland tissues and blood plasma in goats during lactation] Iakovenko MV. **Ukr Biokhim Zh** 48(1):45–7, Jan–Feb 76 **(Ukr)**

PHARMACODYNAMICS

Induction of antibody synthesis in vitro by immunogenic

RNA. Slomski R, et al. **Ann Med Sect Pol Acad Sci** 20(4):255–68, 1975

Inhibitory action of different RNA fractions on the translation of globin mRNA in vitro. Wettenhall RE, et al. **Biochim Biophys Acta** 432(3):323–8, 19 May 76

The proliferation of plasma cells from mouse bone marrow in vitro. II–Stimulation of IgG–producing cells by a RNase–sensitive thymocyte homogenate. Nakumura K. **Cell Immunol** 25(2):163–77, Aug 76

Inhibition of viral multiplication by homologous methylated ribonucleic acids. V. Inhibition of myxoviruses in mouse. Louisot P, et al. **Chem Biol Interact** 14(3–4):233–40, Aug 76

Monoclonal IgM surface immunoglobulin on lymphocytes of aging NZB mice and its induction in young mice by RNA. Bhoopalam N, et al. **Clin Exp Immunol** 16(2):243–58, Feb 74

Biological activity of RNA from estrogen–stimulated uterus. pp. 155–66. Galand P, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Nucleic acid–induced genetic changes in Neurospora. pp. 259–68. Mishra NC, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Effects of exogenous RNA on steroid metabolism in adrenals and gonads. pp. 73–85. Villee DB, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Induction of antiviral activity in vivo and in vitro by human placenta ribonucleic acid treated with nitrous acid. Arimura H. **Jpn J Microbiol** 20(2):93–9, Apr 76

Stimulation of the immune response in vivo by different nucleic acids. Oellermann RA. **Onderstepoort J Vet Res** 41(4):217–20, Dec 74

Inhibition of tubulin assembly by RNA and other polyanions: evidence for a required protein. Bryan JB, et al. **Proc Natl Acad Sci USA** 72(9):3570–4, Sep 75

[Effect of nucleic acids on the metachromatic reaction] Toepfer K. **Acta Histochem (Jena)** SUPPL 13:363–91, 1973 **(Ger)**

[Effect of high–polymeric RNA on the mitotic regimen of endometrial epithelium in ovariectomized rats] Sergeev PV, et al. **Akush Ginekol (Mosk)** (10):17–20, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of synthetic polynucleotides and RNA on poly(C)–dependent poly(G) polymerase activity of Q beta replicase] Berzin VM, et al. **Biokhimiia** 40(3):526–30, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of 'immune' RNA on various types of cells interacting in the immune response] Galaktionov VG, et al. **Biull Eksp Biol Med** 79(4):80–2, Apr 75 (Eng. Abstr.) **(Rus)**

[Influence of sodium ribonucleate on the incorporation of labelled precursors into the RNA of the mitochondria of the organs of white rats] Germaniuk IaL, et al. **Farmakol Toksikol** 38(4):463–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Stimulation of protein synthesis in damaged cardiac muscle with RNA preparations] Demin AA, et al. **Kardiologiia** 15(7):93–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Character of the change in some biochemical indices of regenerating bone tissue under the influence of exogenous RNA and adrenal extract] Leont'eva FS, et al. **Ortop Travmatol Protez** (7):53–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Aminoacyl–tRNA formation in the liver and skeletal muscles of rabbits under the influence of multiple injections of ACTH alone and in combination with sodium ribonucleinate] Germaniuk IaL, et al. **Probl Endokrinol (Mosk)** 22(2):83–6, 1976 (Eng. Abstr.) **(Rus)**

[Metabolic capacity of the tissue proteins of the digestive organs of rats multiply injected with ACTH alone and in combination with sodium ribonucleinate] Germaniuk IaL, et al. **Probl Endokrinol (Mosk)** 22(2):103–6, 1976 **(Rus)**

[Mechanisms for the recognition of each other by nucleic acid molecules] Mosevitskil MI. **Usp Sovrem Biol** 79(2):163–83, Mar–Apr 75 (131 ref.) **(Rus)**

[Bacterial populations and nucleic acids] Zemskov VM. **Usp Sovrem Biol** 79(2):241–51, Mar–Apr 75 (45 ref.) **(Rus)**

[Effect of nucleic acids on the outcome of acute streptococcal infection] Khodyrev AP. **Zh Mikrobiol Epidemiol Immunobiol** (10):70–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of different RNA preparations on primary immune response to immunization with tetanus antitoxin] Kulakova GS, et al. **Mikrobiol Zh** 37(1):103–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Metabolizability of RNA in the liver mitochondia of rats under the influence of hydrocortisone and sodium ribonucleinate] Hermaniuk, IaL, et al. **Ukr Biokhim Zh** 47(1):15–22, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

The role of 5–S RNA in temperature–sensitive ribosomal RNA maturation. Winicov I. **Biochim Biophys Acta** 402(1):62–8, 6 Aug 75

Seasonal variations in mitosis in the frog: a field study. Rothstein H, et al. **Experientia** 31(8):939–40, 15 Aug 75

The implication of ribonucleic acids in oviduct growth in the green frog, Rana esculenta. Polzonette–Magni A, et al. **Gen Comp Endocrinol** 28(1):96–9, Jan 76

Requirement of informational molecules in heart formation. pp. 229–46. Deshpande AK, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

RNA in gene de–repression. pp. 330–8. Frenster JH, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

The role of RNA in the differentiation of presumptive ectoderm from urodele embryos. pp. 183–98. Sasaki N, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Intercellular communication during odontogenic epithelial–mesenchymal interactions: isolation of extracellular matrix vesicles containing RNA. pp. 247–58. Slavkin HC, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

The function of the 5' cap of mRNA and nuclear RNA species. Busch H. **Perspect Biol Med** 19(4):549–67, Summer 76 (91 ref.)

RADIATION EFFECTS

Photorepair of RNA. Gordon MP. **Basic Life Sci** 5A:115–21, 1975

Photo–C4–cyclo–addition reactions to the nucleic acids. Musajo L, et al. **Res Prog Org Biol Med Chem** 3 Pt 1:155–82, 1972 (113 ref.)

Quantitative cytochemical studies of the RNA in the spinal cord of gamma–irradiated mice. Olkowski ZL, et al. **Strahlentherapie** 150(1):76–9, Jul 75

[Molecular mechanisms of the stimulating effect of ionizing radiation on seeds. Activation of the synthesis of ribonucleic acid] Kuzin AM, et al. **Radiobiologiia** 15(5):747–50, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Comparison of various methods of extracting nuclear and cytoplasmic RNA from the liver of irradiated rats] Skotnikova OI, et al. **Radiobiologiia** 15(5):643–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Action of Co60 gamma radiation on the nucleic acid concentration and ribonuclease activity in the splenic tissues of inbred and hybrid mice] Shereshevskaia TsM, et al. **Tsitol Genet** 9(5):404–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Advanced renal cell carcinoma: treatment with xenogeneic immune ribonucleic acid and appropriate surgical resection. Skinner DG, et al. **J Urol** 115(3):246–50, Mar 76

Immune RNA in the immunotherapy of cancer. Pilch YH, et al. **Med Clin North Am** 60(3):567–83, May 76

An integrated and comparative study of the antiviral effects and other biological properties of the polyinosinic–polycytidylic acid duplex and its mismatched analogues. III. Chronic effects and immunological features. Carter WA, et al. **Mol Pharmacol** 12(3):440–53, May 76

Tumor regression at an untreated site during immunotherapy of an identical distant tumor. Schlager SI, et al. **Proc Natl Acad Sci USA** 72(9):3680–2, Sep 75

[Study of the stimulating effect of RNA and triamcinolone on the process of reverse development of experimental liver cirrhosis] Prutovykh NN, et al. **Patol Fiziol Eksp Ter** (2):64–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Clinical–biochemical evaluation of the therapeutic effects of vitohepatit in acute viral hepatitis] Levina LD, et al. **Ter Arkh** 47(8):62–6, 1975 (Eng. Abstr.) **(Rus)**

[Effect of exogenous nucleic acids on the repopulation activity of deconserved bone marrow] Chebotarev EE, et al. **Tsitol Genet** 9(6):546–50, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Use of ribonucleic acid in complex treatment of diabetes mellitus] Karabun PM, et al. **Vrach Delo** (4):11–5, Apr 75 (Eng. Abstr.) **(Rus)**

RNA, BACTERIAL

Proceedings: The primary structure of tRNA2Val from Bacillus stearothermophilus and its analogy with tRNAVal species from different origins. Takada–Guerrier C, et al. **Arch Int Physiol Biochim** 84(1):187–8, Feb 76

Crown gall tumors: are bacterial nucleic acids involved? Drlica KA, et al. **Bacteriol Rev** 39(3):188–96, Sep 75 (101 ref.)

1H nuclear magnetic resonance of modified bases of valine transfer ribonucleic acid (Escherichia coli). A direct monitor of sequential thermal unfolding. Kastrup RV, et al. **Biochemistry** 14(16):3612–8, 12 Aug 75

Influence of temperature and magnesium ions on the secondary and tertiary structures of tRNAPhe and 23 S RNA – infrared investigations. Herbeck R, et al. **Biochim Biophys Acta** 418(1):52–62, 5 Jan 76

Preformed poly(A)–containing RNA in zoospores of Blastocladiella emersonii. Schimmelpfeng L, et al. **Biochim Biophys Acta** 435(4):340–8, 16 Jul 76

Sequence studies on the 5S RNA of Proteus vulgaris: comparison with 5S RNA of Escherichia coli. Fischel JL, et al. **Biochimie** 57(8):899–904, 1975

Comparative study of the 16S RNA's of Escherichia coli and Proteus vulgaris. Fischel JL, et al. **Biochimie** 57(8):885–97, 1975

Letter: Changes in the ultraviolet absorption of E. coli rRNA on ribosome unfolding. Belli M, et al. **Biopolymers** 15(6):1229–32, Jun 76

Conformation of Escherichia coli glutamic acid tRNA II as studied by hydrogen–tritium exchange catalyzed by cysteine methyl ester. **Eur J Biochem** 64(1):27–34, 15 Apr 76

The thermodynamics and kinetics of conformational changes in 5–S RNA from Escherichia coli. Lecanidou R, et al. **Eur J Biochem** 57(1):127–33, 1 Sep 75

The primary structure of tRNAPhe from Bacillus stearothermophilus. Guerrier–Takada C, et al. **FEBS Lett** 60(2):286–9, 15 Dec 75

Structure of a 30 S pre–ribosomal RNA of E. coli. Hayes F, et al. **FEBS Lett** 56(1):85–91, 1 Aug 75

Hybridization of prokaryotic and eukaryotic 5S rRNA to Euglena gracilis chloroplast DNA. Phillips DO, et al. **FEBS Lett** 60(1):94–7, 1 Dec 75

Nucleotide sequence of Clostridium pasteurianum 5S rRNA. Pribula CD, et al. **FEBS Lett** 64(2):350–2, 1 May 76

Studies on the primary structure of 16S and 23S RNAs from Escherichia coli and Proteus vulgaris. pp. 109–23. Ebel JP, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

A bacterial gene for tyrosine transfer RNA: promoter and terminator sequences and progress in total synthesis. pp. 371–95. Khorana HG.
In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974.

Physiological and biochemical studies on the function of 5–methyluridine in the transfer ribonucleic acid of Escherichia coli. Björk GR, et al. **J Bacteriol** 124(1):99–111, Oct 75

The primary structure of Bacillus subtilis and Bacillus stearothermophilus 5 S ribonucleic acids. Marotta CA, et al. **J Biol Chem** 251(10):3122–7, 25 May 76

Polarity suppressors increase expression of the wild–type tryptophan operon of Escherichia coli. Korn LJ, et al. **J Mol Biol** 103(2):395–409, 15 May 76

Termination of transcription in vitro in the Escherichia coli tryptophan operon leader region. Lee F, et al. **J Mol Biol** 103(2):383–93, 15 May 76

Attachment of nascent RNA molecules to superhelical DNA. Richardson JP. **J Mol Biol** 98(3):565–79, 5 Nov 75

Comparison of RNA sequences from widely divergent species. Morazain R, et al. **J Mol Evol** 2(2–3):209–14, 1973

Letter: Quantification of secondary and tertiary structure base pairs in E. coli tRNA1Val. Bolton PH, et al. **Nature** 262(5567):423–4, 29 Jul 76

5S RNA secondary structure. Fox GW, et al. **Nature** 256(5517):505–7, 7 Aug 75

Demonstration and origin of six tertiary base pair resonances in the NMR spectrum of E. coli tRNA1Val. Reid BR, et al. **Nature** 257(5524):287–91, 25 Sep 75

Anticodon conformation and accessibility in wild–type and suppressor tryptophan tRNA from E. coli. Buckingham RH. **Nucleic Acids Res** 3(4):965–75, Apr 76

A spin label study of the thermal unfolding of secondary and tertiary structure in E. colic transfer RNAs. Caron M, et al. **Nucleic Acids Res** 3(1):35–47, Jan 76

tRNA tertiary structure in solution as probed by the photochemically induced 8–13 cross–link. Favre A, et al. **Nucleic Acids Res** 2(8):1421–31, 8 AUG 75

Studies of DNA bound RNA molecules isolated from nucleoids of Escherichia coli. Hecht RM, et al. **Nucleic Acids Res** 3(3):767–88, Mar 76

Physical studies of denatured tRNA2Glu from Escherichia coli. Bina–Stein M, et al. **Proc Natl Acad Sci USA** 73(7):2216–20, Jul 76

Proton nuclear magnetic resonance of spin–labeled Escherichia coli tRNAf1MET. Daniel WE Jr, et al. **Proc Natl Acad Sci USA** 72(7):2582–6, Jul 75

[RNA–fragments, necessary primers for the in vitro replication of DNA] Beljanski M, et al. **C R Acad Sci [D] (Paris)** 280(3):363–6, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[A RNA extract from oncogenic and non oncogenic strains of Agrobacterium tumefaciens is an indispensable element for the induction of tumors in Datura stramonium] Le Goff L, et al. **Can J Microbiol** 22(5):694–701, May 76 (Eng. Abstr.) **(Fre)**

ANALYSIS

A rapid and sensitive determination of bacterial rRNA by means of hybridization–competition. Oostra BA, et al. **Anal Biochem** 74(2):496–502, Aug 76

The 5' ends of bacterial RNA. II. The triphosphate–terminated ends of primary gene transcripts. Konrad M, et al. **Biochim Biophys Acta** 425(1):63–75, 18 Feb 76

Nucleotide sequence of 5–S RNA from Bacillus licheniformis. Raué HA, et al. **Eur J Biochem** 59(1):35–42, 1 Nov 75

Terminal–sequence analysis of bacterial ribosomal RNA.

Correlation between the 3'-terminal-polypyrimidine sequence of 16-S RNA and translational specificity of the ribosome. Shine J, et al. **Eur J Biochem** 57(1):221-30, 1 Sep 75

Nucleotide sequences of Escherichia coli 16-S RNA associated with ribosomal proteins S7, S9, S10, S14 and S19. Yuki A, et al. **Eur J Biochem** 56(1):23-34, 1 Aug 75

Thionucleoside composition of transfer RNAs in Bacillus subtilis and Salmonella typhimurium. Rao YS, et al. **Indian J Biochem Biophys** 12(2):183-4, Jun 75

Ribosomal precursor particles of Bacillus megaterium. Body BA, et al. **J Bacteriol** 126(3):1149-55, Jun 76

Undermethylated transfer ribonucleic acid from a relaxed strain of Bacillus subtilis: construction of the strain and analysis of the transfer ribonucleic acid. Keisel N, et al. **J Bacteriol** 126(1):294-9, Apr 76

Modified nucleosides of Bacillus subtilis transfer ribonucleic acids. Vold B. **J Bacteriol** 127(1):258-67, Jul 76

Nucleic acid content and nucleotide composition of DNA in leptospirae. Ezhov GI, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):246-53, 1975

Doublet frequencies in sequenced nucleic acids. Elton RA. **J Mol Evol** 4(4):323-46, 24 Mar 75

Characterization of the primary structural homology between the 16s ribosomal RNAs of Escherichia coli and Bacillus megaterium by oligomer cataloging. Pechman KJ, et al. **J Mol Evol** 1(3):230-40, 1972

A comparison of the 16S ribosomal RNAs from mesophilic and thermophilic bacilli: some modifications in the Sanger method for RNA sequencing. Woese C, et al. **J Mol Evol** 7(3):197-213, 9 Apr 76

The phylogenetic status of Pasteurella pestis. Zablen L, et al. **J Mol Evol** 4(4):347-58, 24 Mar 75

Detection of ribonucleic acids which are larger than 30S precursor ribosomal RNA in RNase III deficient E. coli cells. Yuki A. **Mol Gen Genet** 144(2):141-50, 22 Mar 76

Occurrence of trans-ribosylzeatin in Agrobacterium tumefaciens tRNA. Chapman RW, et al. **Nature** 262(5564):153-4, 8 Jul 76

Corrections in the catalogue of oligonucleotides produced by digestion of Escherichia coli 16S rRNA with T1 RNase. Magrum L, et al. **Nature** 257(5525):423-6, 2 Oct 75

[Effect of cultivation conditions on cell composition of Pseudomonas methanolica] Shulgovskaia EM, et al. **Mikrobiologiia** 44(6):1022-4, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[RNA-protein interactions in bacterial ribosomes. III. Secondary structure of 16S RNA fragments associated with protein S4] Chichkova NV, et al. **Mol Biol** 8(6):894-901, Nov-Dec 74 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Action of heliomycin on the incorporation of labelled protein precursors and nucleic acid in Staphylococcus aureus cells] Korolev PN, et al. **Antibiotiki** 20(6):503-6, Jun 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Inhibition of methylated nucleoside synthesis in vivo: accumulation of incompletely methylated transfer RNA in ethionine-treated cells of Escherichia coli B. Wainfan E, et al. **Ann NY Acad Sci** 255(751106-751230-2):567-75, 8 Aug 75

Synthesis of stable RNA in 'Escherichia coli' cells infected with N4. Conti G, et al. **Ann Sclavo** 17(2):193-7, Mar-Apr 75

Macromolecule synthesis in Escherichia coli BB under various growth conditions. Chohji T, et al. **Appl Environ Microbiol** 31(6):864-9, Jun 76

Macromolecular syntheses during biosynthesis of prodigiosin by Serratia marcescens. Williams RP, et al. **Appl Environ Microbiol** 31(1):70-7, Jan 76

Effect of some inhibitors derived from nitrite on marcomolecular synthesis in Bacillus cereus. Hansen JN, et al. **Appl Microbiol** 30(5):862-9, Nov 75

The relationships among RNA synthesis, RNA polymerase synthesis and guanosine tetraphosphate levels in Escherichia coli during nutritional shift-up. Boyle SM, et al. **Arch Biochem Biophys** 172(1):215-23, Jan 76

A 30 S precursor of 30 S ribosomes in a mutant of Escherichia coli. Markey F, et al. **Biochem J** 151(2):463-5, Nov 75

RNA synthesis in Streptomyces antibioticus: in vitro effects of actinomycin and transcriptional inhibitors from 48-h cells. Jones GH. **Biochemistry** 15(15):3331-41, 27 Jul 76

Processing of E. coli tRNA Tyr precursor RNA in vitro. Altman S, et al. **Brookhaven Symp Biol** (26):12-25, Jul 75

Clustered tRNA genes in Escherichia coli: transcription and processing. Carbon J, et al. **Brookhaven Symp Biol** (26):26-36, Jul 75

Synthesis of the CCA terminus of transfer RNA. Deutscher MP, et al. **Brookhaven Symp Biol** (26):124-37, Jul 75

tRNA gene clusters in Escherichia coli DNA. Fournier MJ, et al. **Brookhaven Symp Biol** (26):37-43, Jul 75

Inhibition of post-transcriptional modification of E. coli tRNA. Kitchingman GR, et al. **Brookhaven Symp Biol** (26):44-52, Jul 75

Temperature-sensitive mutants of Escherichia coli defective in tRNA biosynthesis. Ozeki H, et al. **Brookhaven Symp Biol** (26):89-105, Jul 75

Processing of E. coli tRNA precursors. Schedl P, et al. **Brookhaven Symp Biol** (26):53-76, Jul 75

Mutants which allows accumulation of tRNATyr precursor molecules. Smith JD. **Brookhaven Symp Biol** (26):1-11, Jul 75

Relationship between ppGpp levels and rates of protein and RNA synthesis in Escherichia coli. Chaloner-Larsson G, et al. **Can J Biochem** 54(3):291-5, Mar 76

In vitro processing of E. coli tRNA precursors. Schedl P, et al. **Cell** 8(4):581-94, Aug 76

Multiple modes of ribosomal RNA transcription in vitro. Travers A. **Cell** 8(4):605-9, Aug 76

The mechanism of action of ppGpp on rRNA synthesis in vitro. van Ooyen AJ, et al. **Cell** 8(1):123-8, May 76

Synthesis of ribosomal RNA in E. coli: analysis using deletion mutants of a lambda transducing phage carrying ribosomal RNA genes. Yamamoto M, et al. **Cell** 7(2):179-90, Feb 76

Effect of nitrofurazone on bacterial RNA and ribosome synthesis and on the function of ribosomes. Tu Y, et al. **Chem Biol Interact** 14(1-2):81-91, Jul 76

Galactose-specific messenger ribonucleic acid contents in Escherichia coli: effect of inducer, gene dosage and galactose genotype. Gosden JR. **Cytobios** 12(45):19-29, 1975

Transcription from complementary deoxyribonucleic acid strands in various sporogenic and asporogenic mutants of Bacillus subtilis. Hybridization-competition studies on ribonucleic acid synthesized in vivo by a thermosensitive sporulation mutant (ts-4). Bonamy C, et al. **Eur J Biochem** 63(1):53-63, 16 Mar 76

Replication of colicinogenic factor E1 DNA in plasmolysed Escherichia coli cells. Coupling of DNA replication and RNA synthesis. Staudenbauer WL. **Eur J Biochem** 58(2):303-13, 15 Oct 75

Influence of mycoplasma infection on the incorporation of different precursors into RNA components of tissue culture cells. Hellung-Larsen P, et al. **Exp Cell Res** 99(2):295-300, May 76

On the mechanism of nucleotide incorporation into DNA and RNA. Ninio J, et al. **FEBS Lett** 57(2):139-44, 15 Sep 75

The E. coli ribosomal RNA promoter. pp. 373-6. Travers A.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Tight binding of RNA polymerase to the promoter of rRNA genes in E. coli. pp. 377-83. Udvardy A, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

On the role of RNA polymerase subunits in RNA-synthesis and the gross regulation of transcription by specific modifications of RNA polymerase subunits. pp. 239-51. Zillig W.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Letter: Rejoining of radiation-induced single-strand breaks in DNA of Escherichia coli: involvement of RNA synthesis. Nair CK, et al. **Int J Radiat Biol** 28(4):385-9, Oct 75

Effect of tinidazole, metronidazole and nitrofurazone on nucleic acid synthesis in Clostridium bifermentans. Plant CW, et al. **J Antimicrob Chemother** 2(2):203-9, Jun 76

Mutant of Bacillus subtilis with a temperature-sensitive lesion in ribonucleic acid synthesis during germination. Albertini AM, et al. **J Bacteriol** 124(1):14-25, Oct 75

Transductional mapping of gene trmA responsible for the production of 5-methyluridine in transfer ribonucleic acid of Escherichia coli. Björk GR. **J Bacteriol** 124(1):92-8, Oct 75

Discontinuous synthesis of lac messenger ribonucleic acid in a mutant of Escherichia coli with a new lac promoter. Bruenn J, et al. **J Bacteriol** 125(3):1013-7, Mar 76

Nucleic acid synthesis and ribonucleic acid polymerase specificity in germinating and outgrowing spores of Bacillus subtilis. Buu A, et al. **J Bacteriol** 124(1):190-200, Oct 75

Evidence for the involvement of ribonucleic acid in the production of F pili. Fives-Taylor P, et al. **J Bacteriol** 125(2):540-44, Feb 76

Isolation of a lambda transducing bacteriophage carrying the relA gene of Escherichia coli. Friesen JD, et al. **J Bacteriol** 127(2):917-22, Aug 76

Kinetics of the onset of catabolite repression in Escherichia coli as determined by lac messenger ribonucleic acid initiations and intracellular cyclic adenosine 3',5'-monophosphate levels. Haggerty DM, et al. **J Bacteriol** 123(3):946-53, Sep 75

Inhibition of nucleoside Q formation in transfer ribonucleic acid during methionine starvation of relaxed-control Escherichia coli. Katze JR, et al. **J Bacteriol** 125(1):205-10, Jan 76

Unbalanced growth and the production of unique transfer ribonucleic acids in relaxed-control Escherichia coli. Kitchingman GR, et al. **J Bacteriol** 124(3):1382-94, Dec 75

Synthesis of deoxyribonucleic acid, ribonucleic acid, and protein during sporulation of Clostridium perfringens. Labbe RG, et al. **J Bacteriol** 125(2):444-52, Feb 76

Changes in active transport, intracellular adenosine 5'-triphosphate levels, macromolecular syntheses, and glycolysis in an energy-uncoupled mutant of Escherichia coli. Lieberman MA, et al. **J Bacteriol** 125(3):1024-31, Mar 76

Bacillus subtilis mutant temperature sensitive in the synthesis of ribonucleic acid. Riva S, et al. **J Bacteriol** 127(2):679-90, Aug 76

The isolation of RNA homologous to the genetic control elements of the lactose operon. Barnes WN, et al. **J Biol Chem** 250(20):8184-92, 25 Oct 75

Total synthesis of the structural gene for the precursor of a tyrosine suppressor transfer RNA from Escherichia coli. 8. Enzymatic joining of the chemically synthesized segments to form DNA duplexes corresponding to nucleotide sequences 23-60 and 23-66. Loewen PC, et al. **J Biol Chem** 251(3):642-59, 10 Feb 76

Kinetic analysis of ribonucleic acid chain initiation by Escherichia coli Ribonucleic acid polymerase bound to DNA. Rhodes G, et al. **J Biol Chem** 250(23):9112-20, 10 Dec 75

Inhibition of RNA synthesis in Chlorella pyrenoidosa and Bacillus megaterium by the pine-blight toxin, dothistromin. Harvey AM, et al. **J Gen Microbiol** 96(2):268-76, Aug 76

Precursor molecules of Escherichia coli transfer RNAs accumulated in a temperature-sensitive mutant. Ikemura T, et al. **J Mol Biol** 96(1):69-86, 25 Jul 75

Transition period following a nutritional shift-up in the bacterium Escherichia coli B/r: stable RNA and protein synthesis. Bremer H, et al. **J Theor Biol** 52(2):365-82, Aug 75

Macromolecular synthesis after a nutritional shift-up of Bacillus subtilis. Murakami S, et al. **Mol Gen Genet** 145(3):293-302, 15 Jun 76

Effects of some antibiotics on the stringent control of RNA synthesis in Escherichia coli. Muto A, et al. **Mol Gen Genet** 139(4):321-7, 8 Sep 75

Preferential ribosomal RNA synthesis in the lysate of Escherichia coli. Muto A. **Mol Gen Genet** 138(1):1-10, 1975

Specificity of the stimulation of in vitro ribonucleic acid synthesis by guanosine 5'-diphosphate 3'-diphosphate. Smolin DE, et al. **Mol Gen Genet** 141(4):277-84, 9 Dec 75

Bacterial membrane transport of beta-exotoxin, an anti-metabolite of RNA synthesis. Johnson DE. **Nature** 260(5549):333-5, 25 Mar 76

Insensitivity of bacterial nucleic acid biosyntheses to a morphine-like narcotic. Wolfe AD, et al. **Naturwissenschaften** 62(2):99, Feb 75

Initiation of in vitro mRNA synthesis from the wild-type lac promoter. Majors J. **Proc Natl Acad Sci USA** 72(11):4394-8, Nov 75

Mechanism of growth delay induced in Escherichia coli by near ultraviolet radiation. Ramabhadran TV, et al. **Proc Natl Acad Sci USA** 73(1):59-63, Jan 76

Presence of polyriboadenylate sequences in pulse-labeled RNA of Escherichia coli. Srinivasan PR, et al. **Proc Natl Acad Sci USA** 72(8):2910-4, Aug 75

Effects of the antibiotic resistomycin on the synthesis of macromolecules. Haupt I, et al. **Z Allg Mikrobiol** 15(6):411-21, 1975

[Escherichia coli K12 mutant with increased RNA content and messenger RNA stability] Liebart JC, et al. **Biochimie** 58(1-2):233-8, 1976 (Eng. Abstr.) **(Fre)**

[Proceedings: Abolition of regulatory processes by quinone antibiotics] Kersten W, et al. **Z Klin Chem Klin Biochem** 13(8):371-2, Aug 75 **(Ger)**

[Action of antibiotic combinations with furacilin on the synthesis of proteins and nucleic acids in intact NAG-vibrio cells] Belizhenko VD. **Antibiotiki** 20(5):456-8, May 75 (Eng. Abstr.) **(Rus)**

[Action of heliomycin on protein and mucleic acid synthesis in Staphylococcus aureus] Bulgakova VG, et al. **Antibiotiki** 20(4):350-4, Apr 75 (Eng. Abstr.) **(Rus)**

[Stimulation of rna synthesis by chloramphenicol] Shchakupov RC, et al. **Biokhimiia** 40(2):263-6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of heliomycin on protein and nucleic acid synthesis in Escherichia coli] Korolev PN, et al. **Mikrobiologiia** 44(3):400-3, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Nucleotide composition of RNA, synthesized by polynucleotide phosphorylase, in toluene-treated cells of Escherichia coli] Rebrov LB. **Vopr Med Khim** 21(4):409-17, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Synthesis of RNA and proteins with exogenous template in the DNA-directed cell-free system from Escherichia coli B. after UV-irradiation] Fel'dman OL, et al. **Ukr Biokhim Zh** 47(4):417-21, Jul-Aug 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Adjuvancy of streptococcal nucleic acids. Bültmann B, et al. **Z Immunitaetsforsch** 148(5):425-30, May 75

ISOLATION & PURIFICATION

A simplified procedure for the quantitative isolation of DNA and RNA transcripts synthesized in vitro. Modak MJ. **Anal Biochem** 75(1):340-4, Sep 76

A rapid procedure for the isolation of intact 32P-labeled RNA from E. coli bacteriophage R17. Muller K, et al. **Anal Biochem** 70(1):274-8, Jan 76

Separation of low molecular weight RNA by polyacrylamide gel electrophoresis. Varricchio F, et al. **Anal Biochem** 68(2):485-92, Oct 75

The separation of ribonucleic acids from Escherichia coli on lysin-agarose. Jones DS, et al. **Nucleic Acids Res** 3(6):1569-76, Jun 76

[Isolation and separation of nucleic acids from Streptomyces hydrogenans (author's transl)] Betz J, et al.

Hoppe Seylers Z Physiol Chem 356(3):349–56, Mar 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Regulatory elements in initiation of phage f2 RNA translation. Szafrański P, et al. **Acta Biol Med Ger** 33(5–6):885–97, 1974

RNA–metabolism in Streptomyces hydrogenans. Effect of 20beta–hydroxysteroid–dehydrogenase inducing dienediol on RNA–content and RNA–profile. Betz JW, et al. **Acta Microbiol Acad Sci Hung** 22(4):509–20, 1975

The mutagenicity of benzimidazole and benzimidazole derivatives. V. Gas chromatographic–mass spectrometric analysis of benzimidazole nucleoside in Escherichia coli ribonucleic acid. Seiler JP. **Anal Biochem** 75(1):45–52, Sep 76

Antibacterial action of primaquine: effects in vitro on polypeptide synthesis and in vivo on ribosomes and ribosomal ribonucleic acid. Olenick JG. **Antimicrob Agents Chemother** 8(6):754–6, Dec 75

Aminoacylation of Escherichia coli cysteine tRNA by selenocysteine. Young PA, et al. **Arch Biochem Biophys** 171(2):483–9, Dec 75

Turnover as a control of ribonucleic acid accumulation in bacteria undergoing stepdown. Midgley JE. **Biochem J** 154(2):541–52, 15 Feb 76

Degradation of double–stranded RNA by a monomeric derivative of ribonuclease BS–1. Libonati M, et al. **Biochim Biophys Acta** 402(1):83–7, 6 Aug 75

Translation of a stable mRNA fraction from sporulating cells of Bacillus thuringiensis in a cell–free system from Escherichia coli. Structural homologies between the native crystal protein and the products synthesized in vitro. François M, et al. **Biochimie** 58(1–2):119–29, 1976

The fate of mRNA and rRNA in Escherichia coli. Apirion D. **Brookhaven Symp Biol** (26):286–306, Jul 75 (62 ref.)

Binding of methylmercuric hydroxide by 4–thiouridine of N–formylmethionyl–tRNA from Escherichia coli. Maguire RJ. **Can J Biochem** 54(6):583–7, Jun 76

Properties of ribonucleic acids from photosynthetic and heterotrophic Rhodospirillum rubrum. Chow CT. **Can J Microbiol** 22(2):228–36, Feb 76

Transfer RNA genes between 16S and 23S rRNA genes in rRNA transcription units of E. coli. Lund E, et al. **Cell** 7(2):165–77, Feb 76

A study of codon–dependent binding of aminoacyl–tRNA with the ribosomal 30–S subparticle of Escherichia coli. Determination of the active–particle fraction and binding constants in different media. Glukhova MA, et al. **Eur J Biochem** 52(1):197–202, 3 Mar 75

Involvement of the D–stem of tRNAPhe (E. coli) in interaction with phenylalanyl–tRNA synthetase as shown by chemical modification. Ankilova VN, et al. **FEBS Lett** 60(1):168–71, 1 Dec 75

The primary structure of the 5S RNA binding protein L18 from Escherichia coli ribosomes. Brosius J, et al. **FEBS Lett** 56(2):359–61, 15 Aug 75

Studies of the binding of E. coli ribosomal protein S4 to 16S rRNA after UV irradiation of the S4––16S rRNA complex. Ehresmann B, et al. **FEBS Lett** 58(1):106–11, 15 Oct 75

Altered methylation of ribosomal RNA in erythromycin–resistant Staphylococcus aureus. pp. 195–203. Weisblum B.
In: Mitsuhashi S, et al., ed. Drug–inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Transforming RNA as a template directing RNA and DNA synthesis in bacteria. pp. 203–24. Beljanski M, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

RNA–mediated transformation in Pneumococcus. pp. 225–8. Evans A.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Mapping and characterization of a mutation in Escherichia coli that reduces the level of ribonuclease III specific for double–stranded ribonucleic acid. Apirion D, et al. **J Bacteriol** 124(1):317–24, Oct 75

Coupling of rates of transcription, translation, and messenger ribonucleic acid degradation in streptomycin–dependent mutants of Escherichia coli. Gupta RS, et al. **J Bacteriol** 125(1):84–93, Jan 76

Association of nascent ribosomal ribonucleic acid with polyribosomes in Escherichia coli. Harvey RJ. **J Bacteriol** 124(3):1330–43, Dec 75

Escherichia coli mutants with altered ribosomal ribonucleic acid metabolism. Jackson JM 3d, et al. **J Bacteriol** 125(3):1057–73, Mar 76

Association of messenger ribonucleic acid with 70S monosomes from down–shifted Escherichia coli. Jacobson LA, et al. **J Bacteriol** 127(1):637–43, Jul 76

Macromolecular synthesis in Streptomyces antibioticus: in vitro systems for aminoacylation and translation from young and old cells. Jones GH. **J Bacteriol** 124(1):364–72, Oct 75

Acid–soluble degradation products of ribonucleic acid in Escherichia coli and the role of nucleotidases in their catabolism. Kaplan R, et al. **J Bacteriol** 124(3):1159–64, Dec 75

Effect of arginine on the stability and size of argECBH messenger ribonucleic acid in Escherichia coli. Krzyzek RA, et al. **J Bacteriol** 126(1):365–76, Apr 76

Study of tyrosine transfer ribonucleic acid modification in relation to sporulation in Bacillus subtilis. Menichi B, et al. **J Bacteriol** 127(1):268–80, Jul 76

Selective methylation: an incorrect hypothesis. Shugart L. **J Bacteriol** 126(2):1009–11, May 76

Thermal denaturation of mesophilic and thermophilic 5S ribonucleic acids. Varricchio F, et al. **J Bacteriol** 125(3):850–4, Mar 76

Stabilization of an RNA molecule by 3'–terminal poly (A)–induced inhibition of RNase activity. Hieter PA, et al. **J Biol Chem** 251(11):3287–93, 10 Jun 76

Specificity of bacterial ribosomes and messenger ribonucleic acids in protein synthesis reactions in vitro. Stallcup MR, et al. **J Biol Chem** 251(8):2499–510, 25 Apr 76

The effect of rifampicin on the stability of the messenger ribonucleic acid of Bacillus amyloliquefaciens as determined by DNA:RNA hybridization. Coleman G, et al. **J Gen Microbiol** 92(1):200–6, Jan 76

Stability of protein and ribonucleic acid in Bacillus stearothermophilus. Coultate TP, et al. **J Gen Microbiol** 91(2):383–90, Dec 75

Messenger ribonucleic acid content of Bacillus amyloliquefaciens throughout its growth cycle compared with Bacillus subtilis 168. Brown S, et al. **J Mol Biol** 96(2):345–52, 5 Aug 75

Analysis of RNA turnover in bacteria using histidine as a radioactivity trap for (2–H)adenine nucleotides. Burton K. **J Mol Biol** 102(2):333–48, 5 Apr 76

Mechanism of DNA chain growth. XV. RNA–linked nascent DNA pieces in Escherichia coli strains assayed with spleen exonuclease. Kurosawa Y, et al. **J Mol Biol** 96(4):653–64, 25 Aug 75

Measurement of the pool size and synthesis rate of the metabolically unstable fraction of RNA in Escherichia coli by a method independent of hybridization efficiency and unaffected by precursor compartmentation. Summerton JE. **J Mol Biol** 100(2):127–40, 15 Jan 76

Transcriptional control of the isoleucine–valine messenger RNA's in E. coli K–12. Childs GJ, et al. **Mol Gen Genet** 138(3):257–68, 19 Jun 75

The fate of a bacterial plasmid in mammalian cells. Goebel W, et al. **Mol Gen Genet** 138(3):213–23, 19 Jun 75

A lethal mutation which affects the maturation of ribosomes. Johnson SC, et al. **Mol Gen Genet** 147(1):29–37, 10 Aug 76

Initial trp operon sequence in Escherichia coli is transcribed without coupling to translation. Kano Y, et al. **Mol Gen Genet** 146(2):179–88, 23 Jul 76

Polynucleotide phosphorylase can participate in decay of mRNA in Escherichia coli in the absence of ribonuclease II. Kinscherf TG, et al. **Mol Gen Genet** 139(4):357–62, 8 Sep 75

Discrimination between eukaryotic and prokaryotic, and formylated and non–formylated, initiator tRNAs by eukaryotic initiation factor EIF–3. Ranu RS, et al. **Nature** 257(5527):616–8, 16 Oct 75

Intact 3' end of 16S rRNA is not required for specific mRNA binding. Ravetch JV, et al. **Nature** 262(5564):150–3, 8 Jul 76

Aminoacylation and nucleoside modification of in vitro synthesised transfer RNA. Zeevi M, et al. **Nature** 260(5546):72–4, 4 Mar 76

Patterns of E. coli leucine tRNA isoacceptors following bacteriophage MS2 infection. Di Natale P, et al. **Nucleic Acids Res** 3(4):917–30, Apr 76

Changes in transfer ribonucleic acids of Bacillus subtilis during different growth phases. Singhal RP, et al. **Nucleic Acids Res** 3(5):1249–62, May 76

Specific in situ cleavage of 16S ribosomal RNA of Escherichia coli interferes with the function of initiation factor IF–1. Baan RA, et al. **Proc Natl Acad Sci USA** 73(3):702–6, Mar 76

Release of (oligo) peptidyl–tRNA from ribosomes by erythromycin A. Otaka T, et al. **Proc Natl Acad Sci USA** 72(7):2649–52, Jul 75

Stringent factor from Escherichia coli directs ribosomal binding and release of uncharged tRNA. Richter D. **Proc Natl Acad Sci USA** 73(3):707–11, Mar 76

Sequential processing of precursor tRNA molecules in Escherichia coli. Sakano H, et al. **Proc Natl Acad Sci USA** 72(9):3369–73, Sep 75

[Enzyme induction in Streptomyces hydrogenans. IV. (1) Qualitative and quantitative changes in RNA content and RNA synthesis during induction] Betz J, et al. **Hoppe Seylers Z Physiol Chem** 356(3):357–66, Mar 75 (Eng. Abstr.) **(Ger)**

[Endonucleolytic mechanism of degradation of double–helix RNA by ribonuclease BS–1 and by ribonuclease A aggregates] Palmieri M, et al. **Boll Soc Ital Biol Sper** 52(1–2):74–9, 30 Jan 76 **(Ita)**

[Studies on an RNA turnover mutant of Escherichia coli (author's transl)] Ohnishi Y. **Jpn J Bacteriol** 30(6):675–82, Nov 75 **(Jpn)**

[E. coli mutant capable of abnormal decomposition of nascent RNA] Onishi K, et al. **Jpn J Bacteriol** 30(1):184, Jan 75 **(Jpn)**

[Correlation of protein synthesis and degradation of messenger RNA in E. coli] Arbuzov VA. **Biokhimiia** 40(5):1004–15, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[RNA fragments, in vivo inhibitors of Shope fibroma and vaccinia virus multiplication] Beljanski M, et al. **C R Acad Sci [D] (Paris)** 280(6):783–9, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Tumorous nature of hyperplasia obtained experimentally] Aaron–da Cunha MI, et al. **C R Soc Biol (Paris)** 169(3 Suppl):775–9, 1975 (Eng. Abstr.) **(Fre)**

[Nucleic acids during tumorous transformation in plants] Manigault P. **C R Soc Biol (Paris)** 169(3 Suppl):766–72, 1975 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Role of 5S RNA in assembly and function of the 50S subunit from Escherichia coli. Dohme F, et al. **Proc Natl Acad Sci USA** 73(7):2221–5, Jul 76

THERAPEUTIC USE

Prevention of spontaneous autoimmunity to DNA in NZB/Swiss mice by treatment with natural double–stranded RNA. Rovenský J, et al. **Immunology** 29(4):745–8, Oct 75

RNA–DEPENDENT DNA POLYMERASE see **REVERSE TRANSCRIPTASE**

RNA, MESSENGER

Electron microscopic observations on the poly(A)–RNP component of the pre–mRNA containing nuclear complexes. Komáromy L, et al. **Acta Biochim Biophys Acad Sci Hung** 10(3):207–15, 1975

On the electronmicroscopic structure of mRNA and pre–mRNA from rabbit reticulocytes and bone–marrow cells. Ladhoff AM, et al. **Acta Biol Med Ger** 33(5–6):771–7, 1974

Fibroin messenger RNA and its genes. Suzuki Y. **Adv Biophys (Tokyo)** 8:83–114, 1976 (105 ref.)

Uncertainty in the determination of the molecular weight of poly(A)–containing RNA. MacLeod MC. **Anal Biochem** 68(1):299–310, Sep 75

An automated procedure for the analysis of methylated nucleosides in nuclear RNA and mRNA. Nazar RN, et al. **Anal Biochem** 74(2):615–9, Aug 76

Physical characterization of N4–coded messenger RNA. Toni M, et al. **Ann Sclavo** 17(2):197–202, Mar–Apr 75

Proceedings: The polyadenylic segment of globin messenger RNA ensures its stability in vivo. Huez G, et al. **Arch Int Physiol Biochim** 83(2):370–1, May 75

Mutations in proteins and base changes in condons. Jukes TH. **Biochem Biophys Res Commun** 66(1):1–8, 2 Sep 75

Non–methylated guanosine as the 5' terminus of capped mRNA from insect oocytes. Kastern WH, et al. **Biochem Biophys Res Commun** 71(1):37–44, 12 Jul 76

The binding of adenosine–3',5'–monophosphate by messenger ribonucleoprotein–like particles. Obrig TG, et al. **Biochem Biophys Res Commun** 66(1):437–43, 2 Sep 75

Nucleic acid related compounds. 20. Sugar, base doubly modified nucleosides at the 5'–terminal 'cap' of mRNAs and in nuclear RNA. Robins MJ, et al. **Biochem Biophys Res Commun** 70(2):356–63, 17 May 76

Two–nucleotide codon change in a hemoglobin polymorphism of the Celebes black ape (Macaca nigra). Murata M, et al. **Biochem Genet** 14(1–2):183–95, Feb 76

The occurrence in amino acid sequences of extensive informational symmetries based on possible codon–codon complementarity in the encoding polynucleotides. Polya GM, et al. **Biochem J** 153(3):681–900, 1 Mar 76

Characterization of the association of specific proteins with messenger ribonucleic acid. Barrieux A, et al. **Biochemistry** 15(16):3523–8, 10 Aug 76

Isolation of L–cell messenger RNA which lacks poly(adenylate). Greenberg JR. **Biochemistry** 15(16):3516–22, 10 Aug 76

Determination of secondary structure in rabbit globin messenger RNA by thermal denaturation. Holder JW, et al. **Biochemistry** 14(19):4209–15, 23 Sep 75

Codon–dependent rearrangement of the three–dimensional structure of phenylalanine tRNA, exposing the T–psi–C–G sequence for binding to the 50S ribosomal subunit. Schwarz U, et al. **Biochemistry** 15(11):2484–90, 1 Jun 76

Secondary structure of ovalbumin messenger RNA. Van NT, et al. **Biochemistry** 15(10):2054–62, 18 May 76

Calf lens messenger ribonucleoprotein complexes. Characterization and comparison of template activity with corresponding mRNAs. Chen JH, et al. **Biochim Biophys Acta** 418(1):39–51, 5 Jan 76

Methylated nucleosides in polyadenylate–containing yeast messenger ribonucleic acid. De Kloet SR, et al. **Biochim Biophys Acta** 425(4):401–8, 2 Apr 76

Influence of temperature and magnesium ions on the secondary and tertiary structures of tRNAPhe and 23 S RNA – infrared investigations. Herbeck R, et al. **Biochim Biophys Acta** 418(1):52–62, 5 Jan 76

Comparison of proteins bound to the different functional classes of messenger RNA. Liautard JP, et al. **Biochim Biophys Acta** 425(4):373–83, 2 Apr 76

Ribosome run through of the termination codon in the absence of the ribosome releasing factor. Ogawa K, et al. **Biochim Biophys Acta** 402(3):288–96, 1 Sep 75

Optical measurements reveal base–pairing in T4–specific mRNAs. Ricard B, et al. **Biochim Biophys Acta** 425(2):196–201, 4 Mar 76

Isolation and characteristics of mRNPs associated with bound polyribosomes from the ewe lactating mammary gland. Assairi L, et al. **Biochimie** 58(3):325–31, 1976

UGA mutations and UGA suppressors in yeast. Hawthorne DC. **Biochimie** 58(1–2):179–82, 1976

A comparative study by sucrose gradient electrophoresis of messenger ribonucleoprotein complexes. Liautard JP, et al. **Biochimie** 58(3):317–23, 1976

Characterization of putative nuclear pre-messenger RNA of Ehrlich ascites tumor cells. Nakai GS, et al. **Biomedicine** 22(5):399–403, Sep 75 (Eng. Abstr.)

Yeast suppressors of UAA and UAG nonsense codons work efficiently in vitro via tRNA. Gesteland RF, et al. **Cell** 7(3):381–90, Mar 76

In vitro translation of adenovirus messenger RNA. Westphal H. **Curr Top Microbiol Immunol** 73:125–139, 1976

Delta-crystallin mRNA in chick lens cells: mRNA accumulates during differential stimulation of delta-crystallin synthesis in cultured cells. Milstone LM, et al. **Dev Biol** 48(2):197–204, Feb 76

Protein synthesis and messenger RNA stability in activated, enucleate sea urchin eggs are not affected by actinomycin D. Sargent TD, et al. **Dev Biol** 48(2):327–35, Feb 76

The secondary structure and poly(A) content of globin messenger RNA as a pure RNA and in polyribosome-derived ribonucleoprotein complexes. Favre A, et al. **Eur J Biochem** 57(1):147–57, 1 Sep 75

A study of codon-dependent binding of aminoacyl-tRNA with the ribosomal 30-S subparticle of Escherichia coli. Determination of the active-particle fraction and binding constants in different media. Glukhova MA, et al. **Eur J Biochem** 52(1):197–202, 3 Mar 75

Precursor mRNA from erythroid-enriched bone-marrow cells of the rabbit. Electron microscope investigation of precursor mRNA molecules, molecular weight about 1.7 X 10(7), containing mRNA-like structures at one end. Ladhoff AM, et al. **Eur J Biochem** 58(2):431–8, 15 Oct 75

Globin mRNA species containing poly(A) segments of different lengths. Their functional stability in Xenopus oocytes. Nudel U, et al. **Eur J Biochem** 64(1):115–21, 15 Apr 76

Recognition of initiation codons in modified f2 RNA by Escherichia coli ribosomes. Szkopińska A, et al. **Eur J Biochem** 60(1):289–94, 1 Dec 75

Glutamine cognate codons in rabbit haemoglobin mRNAs. Hilse K, et al. **FEBS Lett** 60(2):380–3, 15 Dec 75

Enzyme cleaving the 5'-terminal methylated blocked structure of messenger RNA. Shinshi H, et al. **FEBS Lett** 65(2):254–7, 1 Jun 76

Synthesis of a chemically reactive analog of the nonsense codon U-G-A. Its reaction with ribosomes of Escherichia coli. Pongs O, et al. **Hoppe Seylers Z Physiol Chem** 356(8):1297–304, Aug 75

Properties of Isoaccepting tRNALys, tRNAGlu and tRNAGln from rabbit Reticulocytes and liver. Multiplicity, Codon Recognition and Inactivation by Iodine. Rudloff E, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1359–67, Sep 75

Special sequences in mammalian DNA and their relationship to HnRNA and mRNA. pp. 35–43. Burdon RH, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Investigations on pre-mRNA from erythroid enriched bone marrow cells of the rabbit. pp. 63–8. Coutelle C, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Evidence of the existence of a stable structural RNA in nuclear ribonucleoprotein particles carrying HnRNA. pp. 75–80. Niessing J, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Sequence studies on the 3' terminal region of mammalian mRNAs. pp. 45–50. Proudfoot NJ, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

The starting fragment of pre-mRNA and secondary structure of pre-mRNA in nuclear RNP particles. pp. 51–6. Samarina OP, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

The heterogeneity of nuclear particles containing pre-mRNA. pp. 81–6. Tigyi A, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Haemoglobin messenger RNA and its translation. pp. 511–3. Marbaix G, et al.

In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

Proceedings: Cross-hybridization of DNA complementary to one immunoglobulin light-chain mRNA with mRNA of other light-chains. Schechter I, et al. **Isr J Med Sci** 11(11):1205, Nov 75

Proceedings: Synthesis and characterization of DNA complementary to immunoglobulin light-chain mRNA. Schechter I, et al. **Isr J Med Sci** 11(11):1204–5, Nov 75

Proceedings: Modified structure in the messenger RNA strand. Miura K. **J Biochem (Tokyo)** 79(4):29P–30P, Apr 76

Modification of the 5' terminus of mRNA by an RNA (guanine-7-)-methyltransferase from HeLa cells. Ensinger MJ, et al. **J Biol Chem** 251(17):5283–91, 10 Sep 76

Characterization of ribosome-protected fragments from reovirus messenger RNA. Kozak M, et al. **J Biol Chem** 251(14):4259–66, 25 Jul 76

Physical and chemical characterization of purified ovalbumin messenger RNA. Woo SL, et al. **J Biol Chem** 250(17):7027–39, 10 Sep 75

Translation of ovalbumin mRNA in Xenopus laevis oocytes. Characterization of the system and effects of estrogen on injected mRNA populations. Chan L, et al. **J Clin Invest** 57(3):576–85, Mar 76

Identification of the UUG codon as a translational initiation codon in vivo. Files JG, et al. **J Mol Biol** 95(2):327–30, 25 Jun 75

Isolation and sequence analysis of sea urchin (Lytechinus pictus) histone H4 messenger RNA. Grunstein M, et al. **J Mol Biol** 104(2):323–49, 25 Jun 76

Sequence analysis and evolution of sea urchin (Lytechinus pictus and Strongylocentrotus purpuratus) histone H4 messenger RNAs. Grunstein M, et al. **J Mol Biol** 104(2):351–69, 25 Jun 76

Covalently linked message and anti-message (genomic) RNA from a defective vesicular stomatitis virus particle. Lazzarini RA, et al. **J Mol Biol** 97(3):289–307, 25 Sep 75

Ribosome-protected regions in the leader-trpE sequence of Escherichia coli tryptophan operon messenger RNA. Platt T, et al. **J Mol Biol** 103(2):411–20, 15 May 76

The codon binding site of the Escherichia coli ribosome as studied with a chemically reactive A-U-G analog. Pongs O, et al. **J Mol Biol** 99(2):301–15, 5 Dec 75

Nucleotide sequence of the 5' end of tryptophan messenger RNA of Escherichia coli. Squires C, et al. **J Mol Biol** 103(2):351–8, 15 May 76

Rate of change of concomitantly variable codons. Fitch WM. **J Mol Evol** 1(1):84–96, 1971

Is the fixation of observable mutations distributed randomly among the three nucleotide positions of the codon? Fitch WM. **J Mol Evol** 2(2–3):123–36, 1973

Comparisons of the polypeptide chains of globins. Jukes TH. **J Mol Evol** 1(1):46–62, 1971

Self-complementarity of messenger RNA's of periodic proteins. Yčas M. **J Mol Evol** 2(4):329–38, 27 Nov 73

Low self-complementarity of cytochrome c messenger RNA, a structural and functional restriction for evolution at the molecular level. Arroyo P, et al. **J Theor Biol** 54(2):153–66, Oct 75

Computer programs for studying conformations in ribonucleic acids. Kllambt D, et al. **J Theor Biol** 58(2):319–24, 21 May 76

Characterization and translation of methylated and unmethylated vesicular stomatitis virus mRNA synthesized in vitro by ribonucleoprotein particles from vesicular stomatitis virus-infected L cells. Toneguzzo F, et al. **J Virol** 17(2):477–91, Feb 76

Chemical stability of bacteriophage T7 early mRNA. Yamada Y, et al. **J Virol** 16(6):1683–7, Dec 75

The properties of oligonucleotide fragments containing the triphosphorylated 5'-termini of nuclear pre-mRNA from Ehrlich ascites carcinoma cells. Bajszár G, et al. **Mol Biol Rep** 2(5):369–77, Apr 76

Globin messenger sequences in nuclear ribonucleoprotein particles of avian erythroblasts. Hendrick D, et al. **Mol Biol Rep** 2(3):225–32, Oct 75

Messenger RNA-containing ribonucleoprotein from mitochondrial polyribosomes of rat liver. Kisselev OI, et al. **Mol Biol Rep** 2(2):143–9, Jul 75

Poly(A)-containing RNA from Petroselinum hortense: isolation, properties and messenger function in vitro. Ragg H, et al. **Mol Biol Rep** 2(2):119–27, Jul 75

Direct demonstration of a complementarity between mRNA and double-stranded sequences of pre-mRNA. Ryskov AP, et al. **Mol Biol Rep** 2(5):353–61, Apr 76

Further studies on collagen mRNA: partial chemical characterization and polyadenylic acid sequence. Salles JM, et al. **Mol Biol Rep** 2(6):517–23, Jul 76

The synthetase gene of the RNA phages R17, MS2 and f2 has a single UAG terminator codon. Atkins JF, et al. **Mol Gen Genet** 139(1):19–31, 5 Aug 75

Quantitative adaptation of isoacceptor tRNAs to mRNA codons of alanine, glycine and serine. Garel J. **Nature** 260(5554):805–6, 29 Apr 76

Inactivation of parathyroid hormone mRNA by treatment with periodate and aniline. Kemper B. **Nature** 262(5566):321–3, 22 Jul 76

Bacterial cloning of plasmids carrying copies of rabbit globin messenger RNA. Rabbitts TH. **Nature** 260(5548):221–5, 18 Mar 76

Base pairing and fidelity in codon-anticodon interaction. Topal MD, et al. **Nature** 263(5575):289–93, 23 Sep 76

m7G5'ppp5'GmptcpUp at the 5' terminus of reovirus messenger RNA. Faust M, et al. **Nucleic Acids Res** 2(8):1329–43, 8 AUG 75

Polynucleotides. XXXII. Synthesis of AUG analogs containing 8,2'-S-cycloadenosine, 8,5'-S-cycloadenosine, 8-bromoadenosin, 8-oxyadenosine and formycin in the first position of the codon. Ikehara M, et al. **Nucleic Acids Res** 2(8):1345–63, 8 AUG 75

Isolation and characterization of poly(A)-containing polyoma 'early' and 'late' messenger RNAs. Rosenthal LJ. **Nucleic Acids Res** 3(3):661–76, Mar 76

Globin mRNA contains a sequence complementary to double-stranded region of nuclear pre-mRNA. Ryskov AP, et al. **Nucleic Acids Res** 3(6):1487–98, Jun 76

Mapping of the three species of polyoma mRNA. Türler H, et al. **Proc Natl Acad Sci USA** 73(5):1480–4, May 76

Cleavage of adenovirus messenger RNA and of 28S and 18S ribosomal RNA by RNase III. Westphal H, et al. **Proc Natl Acad Sci USA** 72(8):3077–81, Aug 75

Mapping of adenovirus messenger RNA by electron microscopy. Westphal H, et al. **Proc Natl Acad Sci USA** 73(6):2069–71, Jun 76

Characteristics and significance of the polyadenylate sequence in mammalian messenger RNA. Brawerman G. **Prog Nucleic Acid Res Mol Biol** 17:117–48, 1976 (78 ref.)

Studies on Lumbo virus replication. II. Properties or viral ribonucleoproteins and characterization of messenger RNAs. Bouloy M, et al. **Virology** 71(2):363–70, Jun 76

Influenza virus messenger ribonucleoprotein. Pons MW. **Virology** 67(1):209–18, Sep 75

[Demonstration of repeated sequences of DNA complementary to polysomic messenger RNA from chicken liver] Tapiero H, et al. **C R Acad Sci [D] (Paris)** 280(3):355–8, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Characterization of messenger ribonucleoproteins from yeasts (author's transl)] Holz H, et al. **Z Naturforsch [C]** 30(4):516–9, Jul–Aug 75 (Eng. Abstr.) **(Ger)**

[Structure specific to the 5'-terminal of mRNA] Nishihara T. **Protein Nucleic Acid Enzyme (Tokyo)** 20(6):608–9, May 75 **(Jpn)**

[RNA-directed DNA synthesis in vitro: detection of polydeoxyadenylate in DNA, complementary to antimessenger-DNA] Frolova LIu, et al. **Dokl Akad Nauk SSSR** 225(6):1442–5, 21 Dec 75 **(Rus)**

[Use of silkworm silk gland ribosomes as a model for the study of exogenous matrices in protein biosynthesis] Kullyev P. **Dokl Akad Nauk SSSR** 227(4):1003–6, 1976 **(Rus)**

[Detection of mutually complementary sequences between rabbit globin mRNA and double-stranded segments of homologous pre-mRNA] Ryskov AP, et al. **Dokl Akad Nauk SSSR** 228(3):745–8, 21 Jun 76 **(Rus)**

[Isolation of pigeon DNA fragments containing sequences complementary to globin mRNA] Tarantul VZ, et al. **Dokl Akad Nauk SSSR** 226(3):719–21, 21 Jan 76 **(Rus)**

[Functional activity of information RNA isolated from Krebs-II cells infected with encephalomyocarditis viruses] Ugarova TIu, et al. **Dokl Akad Nauk SSSR** 223(5):1269–72, 11 Aug 75 **(Rus)**

[Specific chemical modification of ribosomes in the vicinity of their mRNA-binding center] Budker VG, et al. **Mol Biol (Mosk)** 10(2):340–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The structure of nuclear pre-mRNA. VII. The hybridization and renaturation properties of double-stranded sequences of nuclear pre-mRNA] Ryskov AP, et al. **Mol Biol (Mosk)** 9(1):6–18, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Study of messenger-like RNA extracted from HeLa cells polysomes. II. Identification of the types of RNA eluted from methylated albumin kieselguhr columns. Miller AO, et al. **Arch Int Physiol Biochim** 84(1):15–33, Feb 76

Messenger ribonucleoprotein complexes in cryptobiotic embryos of Artemia salina. Slegers H, et al. **Arch Int Physiol Biochim** 83(5):999–1000, Dec 75

Induction of globin mRNA in Friend leukemia virus-infected cells and its presence in viral 60S RNA. Ross J, et al. **Bibl Haematol** (40):205–20, 1975

Cryptic form of mRNA in dormant Artemia salina cysts. Grosfeld H, et al. **Biochem Biophys Res Commun** 67(1):176–81, 3 Nov 75

Sizing of two bacteriophage T4 specific messenger ribonucletic acids formed in vitro and in vivo. Natale PJ, et al. **Biochem Biophys Res Commun** 66(4):1287–93, 27 Oct 75

Further characterization of the mRNA coding for immunoglobulin light-chain. Schechter I. **Biochem Biophys Res Commun** 67(1):228–35, 3 Nov 75

Subcellular distribution of total poly (A) -containing RNA and ferritin-mRNA in the cytoplasm of rat liver. Zähringer J, et al. **Biochem Biophys Res Commun** 68(4):1088–93, 23 Feb 76

The nature of the 5'-linked 5' nucleotide sequence at the 5' end of rabbit globin messenger ribonucleic acid. Hunt JA, et al. **Biochem J** 155(3):637–44, 1 Jun 76

A micro-method for the assay of polyadenylate-containing ribonucleic acid by gel electrophoresis. Lara FJ, et al. **Biochem J** 151(3):575–80, Dec 75

Determination of the amount of small messenger ribonucleic acid-containing particles free in liver cytoplasm. Mullock BM, et al. **Biochem J** 152(1):51–6, Oct 75

Characterization of Novikoff hepatoma mRNA methylation and heterogeneity in the methylated 5' terminus. Desrosiers RC, et al. **Biochemistry** 14(20):4367–74, 7 Oct 75

Methylated messenger RNA in mouse kidney. Ouellette AJ, et al. **Biochemistry** 14(20):4361–67, 7 Oct 75

5'-Terminal and internal methylated nucleotide sequences in HeLa cell mRNA. Wei CM, et al. **Biochemistry**

15(2):397–401, 27 Jan 76

Physical aspects and cytoplasmic distribution of messenger RNA in mouse kidney. Ouellette AJ, et al. **Biochim Biophys Acta** 425(4):384–95, 2 Apr 76

Characterization and purification of messenger RNAs containing poly A in insect imaginal disks. Tarroux P. **Biochimie** 57(6–7):757–63, 1975

Characteristics of messenger ribonucleoprotein and putative messenger RNA from Ehrlich ascites tumor cells. Nakai GS. **Biomedicine [Express]** 23(4):126–30, 30 Apr 75

Decreased alpha globine mRNA in nucleated red cell precursors in alpha thalassemia. Natta CL, et al. **Blood** 47(6):899–907, Jun 76

Assay of thalassaemic messenger RNA in the wheat germ system. Pritchard J, et al. **Br J Haematol** 32(4):473–85, Apr 76

Analysis of the complexity and diversity of mRNA from chicken liver and oviduct. Axel R, et al. **Cell** 7(2):247–54, Feb 76

Complexity and characterization of polyadenylated RNA in the mouse brain. Bantle JA, et al. **Cell** 8(1):139–50, May 76

Absence of messenger RNA and gene DNA for beta-globin chains in hereditary persistence of fetal hemoglobin. Forget BG, et al. **Cell** 7(3):323–9, Mar 76

Structural gene sets active in embryos and adult tissues of the sea urchin. Galau GA, et al. **Cell** 7(4):487–505, Apr 76

Mouse globin gene expression in erythroid and non-erythroid tissues. Humphries S, et al. **Cell** 7(2):267–77, Feb 76

Topography of polyoma virus messenger RNA molecules. Kamen R, et al. **Cell** 7(3):361–71, Mar 76

Histone messengers and histone genes. Kedes LH. **Cell** 8(3):321–31, Jul 76

The size of pulse-labeled fibroin messenger RNA. Lizardi PM. **Cell** 7(2):239–45, Feb 76

Properties of sea urchin embryo messenger RNA containing and lacking poly(A). Nemer M, et al. **Cell** 6(2):171–8, Oct 75

Demonstration that a mouse immunoglobulin light chain messenger RNA hybridizes exclusively with unique DNA. Rabbitts TH, et al. **Cell** 6(1):5–12, Sep 75

Methyl labeling of HeLa cell hnRNA: a comparison with mRNA. Salditt-Georgieff M, et al. **Cell** 7(2):227–37, Feb 76

Globin mRNA sequences in polyadenylated and nonpolyadenylated nuclear precursor-messenger RNA from avian erythroblasts. Spohr G, et al. **Cell** 8(4):505–12, Aug 76

The messenger RNA sequences in growing and resting mouse fibroblasts. Williams JG, et al. **Cell** 6(2):197–206, Oct 75

The blocked and methylated 5' terminal sequence of a specific cellular messenger: the mRNA for silk fibroin of Bombyx mori. Yang NS, et al. **Cell** 7(3):339–47, Mar 76

Size and sequence homology of masked maternal and embryonic histone messenger RNAs. Lifton RP, et al. **Dev Biol** 48(1):47–55, Jan 76

Molecular weight and sequence complexity of delta-crystallin mRNA. Zelenka P, et al. **Exp Eye Res** 22(2):115–24, Feb 76

Absence of poly (A) in a large part of newly synthesized casein mRNAs. Houdebine LM. **FEBS Lett** 66(1):110–3, 1 Jul 76

Investigation of the organization of mammalian chromosomes at the DNA sequence level. Salser W, et al. **Fed Proc** 35(1):23–35, Jan 76

A correlation of mouse immunoglobulin light chain messenger RNA structure with molecular hybridization characteristics. pp 141–9. Rabbitts TH, et al. **In: Gergely J, Medyesi GA, ed. Antibody structure and molecular immunology. Amsterdam, North-Holland, 1975. W3 FE322 9th v.36.**

Sequences in SV40 DNA corresponding to the 'ends' of cytoplasmic mRNA. pp. 25–31. Dhar R, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

In vitro translation of the RNAs of alfalfa mosaic virus. pp. 233–41. van Vloten-Doting L, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Heterogeneous 5'-terminal structures occur on vesicular stomatitis virus mRNAs. Rose JK. **J Biol Chem** 250(20):8098–104, 25 Oct 75

Cell-free transcription of mammalian chromatin. Quantitative measurement of newly synthesized globin messenger RNA sequences. Wilson GN, et al. **J Biol Chem** 250(22):8604–13, 25 Nov 75

Polysomal RNA in Semliki Forest virus infected Aedes albopictus cells. Eaton BT, et al. **J Gen Virol** 29(1):35–49, Oct 75

The modified 5'-terminal sequences in messenger RNA of mouse myeloma cells. Cory S, et al. **J Mol Biol** 99(4):519–47, 25 Dec 75

Comparison of proteins bound to heterogeneous nuclear RNA and messenger RNA in HeLa cells. Kumar A, et al. **J Mol Biol** 96(3):353–65, 15 Aug 75

Dipeptide frequencies in proteins and the CpG deficiency in vertebrate DNA. Bullock E, et al. **J Mol Evol** 1(3):315–25, 1972

Considerations regarding the regulation of gene transcription and messenger translation. Fitch WM. **J Mol Evol** 1(1):185–207, 1971

Tables of critical values for examining compositional non-randomness in proteins and nucleic acids. Laird M, et al. **J Mol Evol** 4(4):261–76, 24 Mar 75

The deduction of messenger RNA sequences from amino acid sequences is, to date, a total failure. Fitch WM. **J Theor Biol** 59(1):251–2, Jun 76

Hybridization of mRNA from adenovirus-transformed cells to segments of the adenovirus genome. Bachenheimer S, et al. **J Virol** 19(1):286–9, Jul 76

RNA metabolism of murine leukemia virus. III. Identification and quantitation of endogenous virus-specific mRNA in the uninfected BALB/c cell line JLS-V9. Fan H, et al. **J Virol** 18(2):401–10, May 76

Structural difference between the 5' termini of viral and cellular mRNA in poliovirus-infected cells: possible basis for the inhibition of host protein synthesis. Fernandez-Munoz R, et al. **J Virol** 18(2):719–26, May 76

Genome localization of simian virus 40 RNA species. Khoury G, et al. **J Virol** 17(3):832–40, Mar 76

Sequence of methylated nucleotides at the 5'-terminus of adenovirus-specific RNA. Moss B, et al. **J Virol** 17(2):385–92, Feb 76

5'-terminal sequence of vesicular stomatitis virus mRNA's synthesized in vitro. Rhodes DP, et al. **J Virol** 17(1):33–42, Jan 75

Newcastle disease virus mRNA lacks 2'-O-methylated nucleotides. Colonno RJ, et al. **Nature** 261(5561):611–4, 17 Jun 76

Yeast mitochondrial RNA contains a short polyadenylic acid segment. Hendler FJ, et al. **Nature** 258(5533):357–9, 27 Nov 75

3' non-coding region sequences in eukaryotic messenger RNA. Proudfoot NJ, et al. **Nature** 263(5574):211–4, 16 Sep 76

N6, O2'-dimethyladenosine a novel methylated ribonucleoside next to the 5' terminal of animal cell and virus mRNAs. Wei C, et al. **Nature** 257(5523):251–3, 18 Sep 75

Major mRNA species from spinach chloroplasts do not contain poly(A). Wheeler AM, et al. **Nature** 257(5521):66–7, 4 Sep 75

The methylation state of poly A-containing messenger RNA from cultured hamster cells. Dubin DT, et al. **Nucleic Acids Res** 2(10):1653–68, Oct 75

Mapping the transcription site of the SV40-specific late 16 S mRNA. May E, et al. **Nucleic Acids Res** 2(10):1995–2005, Oct 75

5'-terminal structure of poliovirus polyribosomal RNA is pUp. Hewlett MJ, et al. **Proc Natl Acad Sci USA** 73(2):327–30, Feb 76

Detection of mRNA sequences in nuclear 30S ribonucleoprotein subcomplexes. Kinniburgh AJ, et al. **Proc Natl Acad Sci USA** 73(8):2725–9, Aug 76

The 5' end of poliovirus mRNA is not capped with m7G(5')ppp(5')Np. Nomoto A, et al. **Proc Natl Acad Sci USA** 73(2):375–80, Feb 76

Sequences related to immunoglobulin kappa chain messenger RNA in T cells. Storb U, et al. **Proc Natl Acad Sci USA** 73(7):2467–71, Jul 76

Electrophoretic patterns of deadenylylated chorion and globin mRNAs. Vournakis JN, et al. **Proc Natl Acad Sci USA** 72(8):2959–63, Aug 75

Intracellular distribution and polyadenylate content of adeno-associated virus RNA sequences. Carter BJ. **Virology** 73(1):273–85, Aug 76

Polyadenylic acid size and position found in Sindbis virus genome and mRNA species. Deborde DC, et al. **Virology** 72(1):80–8, 1 Jul 76

Adenovirus transcription. III. Mapping of viral RNA sequences in cells productively infected by adenovirus type 5. Flint SJ, et al. **Virology** 72(2):443–55, 15 Jul 76

Stability of simian virus 40 (SV40) mRNA species. Ho L, et al. **Virology** 67(2):588–90, Oct 75

Formation of the guanylylated and methylated 5'-terminus of vaccinia virus mRNA. Moss B, et al. **Virology** 72(2):341–51, 15 Jul 76

Studies on the in vivo and in vitro messenger RNA species of vesicular stomatitis virus. Moyer SA, et al. **Virology** 67(2):463–73, Oct 75

In vivo methylation of vesicular stomatitis virus and its host-cell messenger RNA species. Moyer SA, et al. **Virology** 70(2):339–51, Apr 76

Influenza virus messenger ribonucleoprotein. Pons MW. **Virology** 67(1):209–18, Sep 75

Fingerprint analyses of cytoplasmic adenovirus 2 RNA size classes synthesized late in productive infection. Tal J, et al. **Virology** 68(2):547–9, Dec 75

[Proceedings: Molecular changes associated with aging of globin messenger RNA in vivo] Nokin P, et al. **Arch Int Physiol Biochim** 83(2):390–1, May 75 **(Fre)**

[Low molecular mRNA from polyribosomes of normal and denervated rabbit muscles] Il'in VS, et al. **Dokl Akad Nauk SSSR** 227(2):500–3, 11 Mar 76 **(Rus)**

[Ribonucleoproteins containing mRNA in the cytoplasm of mouse plasmacytoma cells] Gortiunova LE, et al. **Mol Biol (Mosk)** 9(6):922–33, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[mRNA fractions of mouse plasmacytoma cells] Sakharova NK, et al. **Mol Biol (Mosk)** 10(1):122–31, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Characteristics of messenger RNA for interferon and of interferon-inducing RNA isolated from Newcastle disease virus infected cells] Orlova TF, et al. **Vopr Virusol** (4):412–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of the transition of a 40 S ribosome-Met-tRNA-i-Met complex to an 80 S ribosome-Met-tRNA-i-Met- complex by 7-Methylguanosine-5'-phosphate Roman R, et al. **Nature** 260(5549):359–60, 25 Mar 76

BIOSYNTHESIS

The dynamics of production and the sensitivity to cycloheximide and actinomycin D of interferon-inducing and interferon messenger RNA. Orlova TG, et al. **Acta Virol (Praha)** 20(1):9–14, Feb 76

RNA synthesis during zoospore germination in the water mold Allomyces arbuscula. Croes AF, et al. **Antonie van Leeuwenhoek** 41(3):257–64, 1975

Effect of chloramphenicol and starvation for an essential amino acid on the synthesis and decay of T4 bacteriophage-specific messengers transcribed from early and quasi-late promoters. Baros A, et al. **Arch Biochem Biophys** 169(2):415–27, Aug 75

Synthesis of messenger RNA coding for elongation factors G and Ts during nutritional shift-up in Escherichia coli K-12. Barnsley PG, et al. **Biochem Biophys Res Commun** 71(3):817–25, 9 Aug 76

Dependency of spermidine stimulation of polypeptide synthesis on the uracil content of messenger ribonucleic acid. Igarashi K, et al. **Biochem Biophys Res Commun** 67(1):407–13, 3 Nov 75

RNA synthesis in Chinese hamster cells. III. Non-coordinate increases during interphase in synthesis rates for informosomal, polysomal and heterogeneous nuclear RNAs. Enger MD, et al. **Biochim Biophys Acta** 390(2):182–91, 1 May 75

Differential sensitivity to antibiotics of trp mRNA synthesis originating at the trp promoter and the lambda promoter. Ihara S, et al. **Biochim Biophys Acta** 432(2):212–22, 3 May 76

Increased synthesis of ribonucleic acids in mouse liver after treatment with a nonionic detergent. Petrovic SL. **Biochim Biophys Acta** 435(1):13–20, 2 Jun 76

Effect of chloramphenicol on early mRNA synthesis in bacteriophage lambda. Takeda Y. **Biochim Biophys Acta** 407(1):73–82, 12 Sep 75

Synthesis and translation site of light-induced mRNAs in etiolated Euglena gracilis. Verdier G. **Biochim Biophys Acta** 407(1):91–8, 12 Sep 75

The synthesis of messenger RNA in the cellular slime mold Dictyosteilum discoideum. Jacobson A, et al. **Brookhaven Symp Biol** (26):307–19, Jul 75

Pretranslational control of tryptophan oxygenase levels in Morris hepatoma and host liver. Ramanarayanan-Murthy L, et al. **Cancer Res** 36(10):3594–9, Oct 76

Transcription during productive infection with polyoma virus and Simian virus 40. Acheson NH. **Cell** 8(1):1–12, May 76

Effect of cell proliferation on levels and diversity of poly(A)-containing mRNA. Getz MJ, et al. **Cell** 7(2):255–65, Feb 76

A significant lag in the induction of ovalbumin messenger RNA by steroid hormones: a receptor translocation hypothesis. Palmiter RD, et al. **Cell** 8(4):557–72, Aug 76

Induction of globin mRNA accumulation by hemin in cultured erythroleukemic cells. Ross J, et al. **Cell** 8(4):513–20, Aug 76

Biogenesis and characterization of SV40 and polyoma RNAs in productively infected cells. Aloni Y. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:165–78, 1975

Mapping of adenovirus 2 RNA sequences in lytically infected cells and transformed cell lines. Sharp PA, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:457–74, 1975

Mapping of SV40 mRNA species on the viral genome. Weinberg RA, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:161–4, 1975

The transcriptional role of host DNA-dependent RNA polymerases in adenovirus-infected KB cells. Weinmann R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:495–9, 1975

Galactose-specific messenger ribonucleic acid contents in Escherichia coli: effect of inducer, gene dosage and galactose genotype. Gosden JR. **Cytobios** 12(45):19–29, 1975

Mitochondrial poly(A) RNA synthesis during early sea urchin development. Devlin R. **Dev Biol** 50(2):443–56, Jun 76

Messenger RNA synthesis, transport, and storage in silkmoth ovarian follicles. Paglia LM, et al. **Dev Biol** 51(2):173–81, 15 Jul 76

Transcription of the genome of adenovirus type 12. Viral mRNA in productively infected KB cells. Scheidtmann KH, et al. **Eur J Biochem** 58(2):283–90, 15 Oct 75

Size, complexity and abundance of a specific poly(A)-containing RNA of liver from male Xenopus induced to vitellogenin synthesis by estrogen. Wahli W, et al. **Eur J Biochem** 66(3):457–65, 15 Jul 76

Preferential stimulation of the plant mRNA synthesis by gibberellic acid. Wasilewska LD, et al. **Eur J Biochem** 66(2):405–12, 1 JUL 76

Separate pyrimidine-nucleotide pools for messenger-RNA and ribosomal-RNA synthesis in HeLa S3 cells. Wiegers U, et al. **Eur J Biochem** 64(2):535–40, 1 May 76

Increase in the accumulation of globin mRNA in immature

erythroblasts in response to erythropoietin in vivo or in vitro. Conkie D, et al. **Exp Cell Res** 93(2):315–24, Jul 75

Polyadenylic acid–containing cytoplasmic RNA increases in adenosine 3',5'–cyclic monophosphate–induced 'differentiated' neuroblastoma cells in culture. Prasad KN, et al. **Exp Cell Res** 94(1):88–94, Aug 75

The process of formation of the 5' –terminal modified structure in messenger RNA of cytoplasmic polyhedrosis virus. Shimotohno K, et al. **FEBS Lett** 64(1):204–8, 15 Apr 76

Structural organization and processing of the genetic transcript in the cellular slime mold Dictyostelium discoideum. Firtel RA, et al. **Fed Proc** 35(1):13–22, Jan 76

Use of globin complementary DNA in studies of globin genes and mRNA. pp. 121–38. Skoultchi AI.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975. (59 ref.)

The structure and regulation of eukaryotic genomes approached by studying HnRNA. pp. 185–98. Darnell JE Jr.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Discontinuous synthesis of lac messenger ribonucleic acid in a mutant of Escherichia coli with a new lac promoter. Bruenn J, et al. **J Bacteriol** 125(3):1013–7, Mar 76

Kinetics of the onset of catabolite repression in Escherichia coli as determined by lac messenger ribonucleic acid initiations and intracellular cyclic adenosine 3',5'–monophosphate levels. Haggerty DM, et al. **J Bacteriol** 123(3):946–53, Sep 75

Synthesis of polyadenylic acid–containing ribonucleic acid during the germination of Neurospora crassa conidia. Mirkes PE, et al. **J Bacteriol** 125(1):174–80, Jan 76

Synthesis of human placental lactogen messenger RNA as a function of gestation. Boime I, et al. **J Biol Chem** 251(3):820–5, 10 Feb 76

Mechanism of formation of reovirus mRNA 5'–terminal blocked and methylated sequence, m7GpppGmpC. Furuichi Y, et al. **J Biol Chem** 251(16):5043–53, 25 Aug 76

Induction of ovalbumin mRNA sequences by estrogen and progesterone in chick oviduct as measured by hybridization to complementary DNA. McKnight GS, et al. **J Biol Chem** 250(20):8105–10, 25 Oct 75

In vitro translation and estradiol–17beta induction of Xenopus laevis vitellogenin messenger RNA. Shapiro DJ, et al. **J Biol Chem** 251(10):3105–111, 25 May 76

Methylated, blocked 5' termini of yeast mRNA. Sripati CE, et al. **J Biol Chem** 251(10):2898–904, 25 May 76

Increasing content of poly A(+) mRNA of serum–stimulated cells in the absence of ribosome synthesis. Johnson LF, et al. **J Cell Physiol** 87(2):141–6, Dec 75

Effect of 5–bromodeoxyuridine on the appearance of cytoplasmic poly–A containing RNA. Pawlowski PJ. **J Cell Physiol** 89(1):19–27, Sep 76

The synthesis of polyadenylated messenger RNA in herpes simplex type I virus infected BHK cells. Harris TJ, et al. **J Gen Virol** 28(3):299–312, Sep 75

Effect of RNAase III, cleavage on translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **J Mol Biol** 99(3):487–99, 15 Dec 75

Synthesis of polyadenylated messenger RNA during the cell cycle of Saccharomyces cerevisiae. Fraser RS, et al. **J Mol Biol** 104(1):223–42, 14 Jun 76

Changes in RNA metabolism and accumulation of presumptive messenger RNA during transition from the growing to the quiescent state of cultured mouse fibroblasts. Rudland PS, et al. **J Mol Biol** 96(4):745–66, 25 Aug 75

A computer simulation of transcription and processing of eucaryotic mRNA. Parrish W, et al. **J Theor Biol** 56(2):355–61, Feb 76

Viral transcription in KB cells infected by temperature–sensitive 'early' mutants of adenovirus type 5. Carter TH, et al. **J Virol** 18(1):156–66, Apr 76

Characterization of the mRNA of influenza virus. Glass SE, et al. **J Virol** 16(6):1435–43, Dec 75

Regulation of early mRNA synthesis after bacteriophage T4 infection of Escherichia coli. Linder CH, et al. **J Virol** 16(3):463–9, Sep 75

Effect of cordycepin (3'–deoxyadenosine) on virus–specific RNA species synthesized in Newcastle disease virus–infected cells. Weiss SR, et al. **J Virol** 16(6):1575–83, Dec 75

F–Factor–mediated restriction of bacteriophage T7: synthesis of RNA and protein in T7–infected Escherichia coli F– and F+ cells. Whitaker PA, et al. **J Virol** 16(6):1380–90, Dec 75

Hormone inducible messenger RNA. Woo SL, et al. **Life Sci** 17(7):1039–47, 10 Oct 75 (76 ref.)

The role of cAMP in flagellation of Salmonella typhimurium. Komeda Y, et al. **Mol Gen Genet** 142(4):289–98, 31 Dec 76

Primer–dependent copying of rabbit globin mRNA with Qbeta replicase. Feix G. **Nature** 259(5544):593–4, 19 Feb 76

Evidence for an extranucleolar mechanism of actinomycin D action. Lindell TJ. **Nature** 263(5575):347–50, 23 Sep 76

Lambda repressor regulates the switch between PR and Prm promoters. Walz, A, et al. **Nature** 262(5570):665–9, 19 Aug 76

Adenovirus–2 mRNA is transcribed as part of a high–molecular–weight precursor RNA. Bachenheimer S, et al. **Proc Natl Acad Sci USA** 72(11):4445–9, Nov 75

In vitro transcription of chromatin in the presence of a mercurated nucleotide. Crouse GF, et al. **Proc Natl Acad Sci USA** 73(5):1564–7, May 76

Translation of hormone–induced messenger RNA in amphibian oocytes: I. Induction by estrogen of messenger RNA encoded for vitellogenic protein in the liver of the male African clawed toad (Xenopus laevis). Lanclos KD, et al. **Proc Natl Acad Sci USA** 72(10):3934–8, Oct 75

Initiation of in vitro mRNA synthesis from the wild–type lac promoter. Majors J. **Proc Natl Acad Sci USA** 72(11):4394–8, Nov 75

Detection of polycistronic and overlapping bacteriophage T7 late transcripts by in vitro translation. Pachl CA, et al. **Proc Natl Acad Sci USA** 73(2):312–6, Feb 76

Transcription termination and late control in phage lambda. Roberts JW. **Proc Natl Acad Sci USA** 72(9):3300–4, Sep 75

Transcription in vitro of immunoglobulin kappa light chain genes in isolated mouse myeloma nuclei and chromatin. Smith MM, et al. **Proc Natl Acad Sci USA** 73(3):775–9, Mar 76

Synthesis of specific functional messenger RNA in vitro by phage–SP01–modified RNA polymerase of Bacillus subtilis. Swanton M, et al. **Proc Natl Acad Sci USA** 72(12):4886–90, Dec 75

Effect of estrogen on gene expression: purification of vitellogenin messenger RNA. Wetekam W, et al. **Proc Natl Acad Sci USA** 72(9):3364–8, Sep 75

The metabolism of heterogeneous nuclear RNA and the formation of cytoplasmic messenger RNA in animal cells. Molloy G, et al. **Prog Biophys Mol Biol** 31(1):1–38, 1976 (258 ref.)

Enhanced template activity in chromatin from adrenal medulla after phosphorylation of chromosomal proteins. Chuang DM, et al. **Science** 193(4247):60–2, 2 Jul 76

Biophysical studies of reovirus type 3. III. A laser light–scattering study of the RNA transcriptase reaction. Bellamy AR, et al. **Virology** 70(1):28–36, Mar 76

Studies on the in vitro transcription and translation of vesicular stomatitis virus mRNA. Breindl M, et al. **Virology** 73(1):106–18, Aug 76

Macromolecular synthesis in T7 infected F' cells. Britton JR, et al. **Virology** 67(1):264–75, Sep 75

Processing of the major leftward mRNA of coliphage lambda. Lozeron HA, et al. **Virology** 71(1):262–77, May 76

Regulation of human interferon production. II. Inhibition of interferon messenger RNA synthesis by 5, 6–dichloro–1–beta–D–ribofuranosylbenzimidazole. Sehgal PB, et al. **Virology** 70(2):542–4, Apr 76

Macromolecular synthesis in cells infected by frog virus 3. IV. Regulation of virus–specific RNA synthesis. Willis DB, et al. **Virology** 70(2):399–410, Apr 76

Macromolecular synthesis in cells infected with frog virus 3. V. The absence of polyadenylic acid in the majority of frog virus 3–specific mRNA species. Willis DB, et al. **Virology** 73(2):543–7, Sep 76

[The length of polyadenylic acid tracts of Sindbis virus RNA: the possible existence of two synthetic mechanisms] Pisano MR, et al. **C R Acad Sci [D] (Paris)** 280(8):1023–6, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Study of the ultrastructural and functional expression of the hepatocyte genome under conditions of prolonged depression of protein biosynthesis by cycloheximide. III] Galkin AP, et al. **Tsitol Genet** 9(4):291–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD

Isolation of poly(A)–containing RNA on synthetic fluorophlogopite (Mica). Pulkrabek P, et al. **Anal Biochem** 68(1):25–35, Sep 75

Different lifetimes of reticulocyte messenger RNA. Lodish HF, et al. **Cell** 7(1):59–65, Jan 76

The methylated constituents of globin mRNA. Perry RP, et al. **FEBS Lett** 57(1):73–8, 1 Sep 75

A simple method for the purification of reticulocyte globin messenger ribonucleic acid. Konecki D, et al. **Mol Biol Rep** 2(4):355–41, Dec 75

Transport of globin mRNA from nucleus into cytoplasm in differentiating embryonic red blood cells. Chan LN. **Nature** 261(5556):157–9, 13 May 76

CLASSIFICATION

[Classification of codons in the genetic code] Konopel'chenko BD, et al. **Dokl Akad Nauk SSSR** 223(2):471–4, 11 Jun 75 **(Rus)**

IMMUNOLOGY

Evidence that immune RNA is messenger RNA. Bilello P, et al. **Cell Immunol** 23(2):309–19, May 76

Antibodies to the triplet codons AAA, AAC, and AUG: reactions with nucleic acids. D'Alisa R, et al. **J Immunol** 116(6):1629–34, Jun 76

Analysis of immunoglobulin genes: DNA/RNA hybridization with immunoglobulin kappa–chain mRNA and isolation and translation of hybridized RNA. Storb U, et al. **J Immunol** 117(1):259–68, Jul 76

ISOLATION & PURIFICATION

Cytoplasmic nonpolysomal messenger ribonucleoprotein containing actin messenger RNA in chicken embryonic muscles. Bag J, et al. **Biochemistry** 14(17):3800–7, 26 Aug 75

Purification of SV–40 messenger RNA by hybridization to SV–40 DNA covalently bound to Sepharose. Gilboa E, et al. **Biochemistry** 14(19):4215–20, 23 Sep 75

Preparation of nuclear particles and nucleosol without cross–contamination. Stévenin J, et al. **Biochimie** 57(9):1099–102, 1975

Isolation and translation of blastokinin mRNA. Levey IL, et al. **Biol Reprod** 14(2):163–74, Mar 76

Molecular analysis of the histone gene cluster of Psammechinus miliaris: I. Fractionation and identification of five individual histone mRNAs. Gross K, et al. **Cell** 8(4):455–69, Aug 76

Partial purification of a progesterone–inducible messenger RNA (avidin) from hen oviduct. Sperry PJ, et al. **Endocrinology** 99(1):315–25, Jul 76

Purification of the mRNAs for Ewe alphaS–casein and beta–casein by immunoprecipitation of polysomes. Houdebine LM, et al. **Eur J Biochem** 63(1):9–14, 16 Mar 76

Molecular weight and sequence complexity of delta–crystallin mRNA. Zelenka P, et al. **Exp Eye Res** 22(2):115–24, Feb 76

Fractionation of hnRNP and mRNP particles from HeLa cells on oligo(dT)–cellulose. pp. 69–74. Pederson T, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

Methods for the evaluation of mRNA fractions synthesized in limb buds differentiating in organ culture. pp. 133–44. Rautenberg P, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Ovalbumin messenger ribonucleic acid. Purification and fractionation on the basis of polyadenylate content by thermal elution from oligodeoxythymidylate–cellulose. Rhoads RE. **J Biol Chem** 250(20):8088–97, 25 Oct 75

A comparison of the chromatographic properties of various polyadenylate binding materials. Mercer JF, et al. **J Chromatogr** 114(1):115–28, 12 Nov 75

Isolation of RNA transcripts from the entire Sendai viral genome. Roux L, et al. **J Virol** 16(6):1426–34, Dec 75

EDTA–and puromycin–derived duck– and rabbit globin–messenger ribonucleoprotein complexes isolated by oligo (dT)–cellulose chromatography. Gander ES, et al. **Mol Biol Rep** 2(4):343–9, Dec 75

Large subunit ribulosebisphosphate carboxylase messenger RNA from Euglena chloroplasts. Sagher D, et al. **Proc Natl Acad Sci USA** 73(3):722–6, Mar 76

[Isolation of messenger RNA for rabbit globin] Popoc AK, et al. **Biokhimiia** 40(2):339–42, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Competition between eukaryotic messenger RNAs in cell–free protein synthesis. Arnstein HR. **Acta Biol Med Ger** 33(5–6):971–8, 1974

Protein synthesis in well–defined subcellular systems from rat liver directed by natural mRNAs. Hradec J, et al. **Acta Biol Med Ger** 33(5–6):941–3, 1974

Translation of globin mRNA among eukaryotic and prokaryotic organisms. Schapira G, et al. **Acta Biol Med Ger** 33(5–6):945–52, 1974

Translation of avidin mRNA from chick oviduct in the oestrous mouse uterus. Tuohimaa P, et al. **Acta Endocrinol (Kbh)** 81(3):593–7, Mar 76

Formation of interferon with chicken species–specificity in bacterial cells. Orlova TG, et al. **Acta Virol (Praha)** 20(2):167, Apr 76

Preformed mRNA and the programming of early embryo development. Marcus A, et al. **Adv Exp Med Biol** 62:1–19, 1975

Ovalbumin mRNA and ovalbumin DNA and the molecular biology of steroid hormone action. Schimke RT, et al. **Adv Exp Med Biol** 62:79–101, 1975 (39 ref.)

Isolation and cell–free translation of immunoglobulin messenger RNA. Green M, et al. **Arch Biochem Biophys** 172(1):74–89, Jan 76

ATP requirement for binding of 125I–labeled globin mRNA to Artemia salina ribosomes. Kramer G, et al. **Arch Biochem Biophys** 174(1):355–8, May 76

The effect of age on protein synthesis and ribosome aggregation to messenger RNA in rat liver. Layman DK, et al. **Arch Biochem Biophys** 173(1):246–54, Mar 76

The distribution of functional bacteriophage T4 mRNA on polysomes. Walsh ML, et al. **Arch Biochem Biophys** 173(2):732–8, Apr 76

Protein synthesis in the cotyledons of Pisum sativum L. Messenger RNA–independent formation of a methionyl–tRNA initiation complex. Wells GN, et al. **Arch Biochem Biophys** 170(2):384–91, Oct 75

Thyrotropin–releasing hormone increases prolactin mRNA activity in the cytoplasm of GH–cells as measured by translation in a wheat germ cell–free system. Dannies PS, et al. **Biochem Biophys Res Commun** 70(4):1180–9, 21 Jun 76

Methylation of Sindbis virus '26S' messenger RNA. Dubin DT, et al. **Biochem Biophys Res Commun** 66(4):1373–9, 27 Oct 75

Parathyroid mRNA directs the synthesis of pre-proparathyroid hormone and proparathyroid hormone in the Krebs ascites cell-free system. Habener JF, et al. **Biochem Biophys Res Commun** 67(3):1114–21, 1 Dec 75

Protein synthesis in rabbit reticulocytes. XIII. Lack of mRNA (poly r (A)) binding activity in highly purified EIF-1. Majumdar A, et al. **Biochem Biophys Res Commun** 67(2):689–95, 17 Nov 75

Control of feather keratin synthesis by the availability of keratin mRNA. Powell BC, et al. **Biochem Biophys Res Commun** 68(4):1263–71, 23 Feb 76

Rigid structural requirement of the 5' terminus of mRNA for translational activity. Rao MS, et al. **Biochem Biophys Res Commun** 66(4):1186–93, 27 Oct 75

Messenger RNA for glutamine synthetase: its partial purification, translation in a cell-free system and its regulation by hydrocortisone. Sarkar PK, et al. **Biochem Biophys Res Commun** 68(3):675–81, 9 Feb 76

Messenger RNA in undeveloped and developing Artemia salina embryos. Sierra JM, et al. **Biochem Biophys Res Commun** 69(1):181–9, 8 Mar 76

Synthesis of RNA complementary of rabbit globin mRNA by Qbeta replicase. Vournakis JN, et al. **Biochem Biophys Res Commun** 70(3):774–82, 7 Jun 76

Translation of a specific mRNA from Escherichia coli in a eukaryotic cell-free system. Wang S, et al. **Biochem Biophys Res Commun** 68(4):1194–200, 23 Feb 76

Methylation of late adenovirus 2 nuclear and messenger RNA. Wold WS, et al. **Biochem Biophys Res Commun** 68(3):643–9, 9 Feb 76

Messenger activity of ribonucleic acid form yeast mitochondria. Eggitt MJ, et al. **Biochem J** 149(3):507–12, Sep 75

Early changes in the messenger ribonucleic acid concentration of amino acid-starved cells of Escherichia coli are not dependent on the state of the rel gene. Midgley JE, et al. **Biochem J** 144(3):605–6, Dec 74

Identification of N-terminal methionine in the precursor of immunoglobulin light chain. Initiation of translation of messenger ribonucleic acid in plants and animals. Schechter I, et al. **Biochem J** 153(3):543–50, 1 Mar 76

Partial isolation and translation in vitro of messenger ribonucleic acid for phosphoenolpyruvate carboxykinase (guanosine triphosphate). Tilghman SM, et al. **Biochem J** 156(3):619–26, 15 Jun 76

Nature of the facilitated messenger ribonucleic acid transport from isolated nuclei. Yannarell A, et al. **Biochem J** 154(2):379–85, 15 Feb 76

Analysis of enzyme induction in bacteria. Young R, et al. **Biochem J** 29(2):243–54, Nov 74

Methisoprinol enhancement of nucleocytoplasmic transport of putative messenger RNA in rat liver. its relation to host defense against virus infection. Ronsen B, et al. **Biochem Pharmacol** 25(6):707–15, 15 Mar 76 (35 ref.)

Translation of collagen messenger RNA in a cell-free system derived from wheat germ. Benveniste K, et al. **Biochemistry** 15(4):830–5, 24 Feb 76

Storage and metabolism of poly(adenylic acid)-mRNA in germinating cotton seeds. Hammett JR, et al. **Biochemistry** 14(20):4375–9, 7 Oct 75

Purification of myosin translational control RNA and its interaction with myosin messenger RNA. Heywood SM, et al. **Biochemistry** 15(15):3314–9, 27 Jul 76

Purification and translation of an immunoglobulin lambda chain messenger RNA from mouse myeloma. Honjo T, et al. **Biochemistry** 15(13):2775–9, 29 Jun 76

Pre-proparathyroid hormone: fidelity of the translation of parathyroid messenger RNA by extracts of wheat germ. Kemper B, et al. **Biochemistry** 15(1):20–5, 13 Jan 76

Effect of thyroid hormones on the level of the hepatic mRNA for alpha2u globulin. Kurtz DT, et al. **Biochemistry** 15(5):1031–6, 9 Mar 76

Quantitation of labeled globin messenger RNA by hybridization with excess complementary DNA covalently bound to cellulose. Levy S, et al. **Biochemistry** 15(9):1844–7, 4 May 76

Messenger ribonucleic acid metabolism in mammalian mitochondria. Discrete poly(adenylic acid) lacking messenger ribonucleic acid species associated with mitochondrial polysomes. Lewis FS, et al. **Biochemistry** 15(15):3367–72, 27 Jul 76

The synthesis and properties of the complete complementary DNA transcript of ovalbumin mRNA. Monahan JJ, et al. **Biochemistry** 15(1):223–33, 13 Jan 76

Accumulation and decay of messenger ribonucleic acid in mouse kidney. Ouellett AJ, et al. **Biochemistry** 15(15):3358–61, 27 Jul 76

The half-life of polyadenylated polysomal RNA from normal and transformed cells in monolayer culture. Sensky TE, et al. **Biochim Biophys Acta** 407(4):430–8, 4 Nov 75

Undermethylated transfer RNA does not support phage RNA-directed in vitro protein synthesis. Stulberg MP, et al. **Biochim Biophys Acta** 435(3):251–7, 2 Jul 76

Synthesis and degradation of early mRNA in lambda phage. Takeda Y, et al. **Biochim Biophys Acta** 407(1):83–90, 12 Sep 75

Evidence for the presence of mRNA in the post-ribosomal cytoplasm of sheep lymphocytes. Wettenhall RE, et al. **Biochim Biophys Acta** 432(3):312–22, 19 May 76

Inhibitory action of different RNA fractions on the translation of globin mRNA in vitró. Wettenhall RE, et al. **Biochim Biophys Acta** 432(3):323–8, 19 May 76

Translation of a stable mRNA fraction from sporulating cells of Bacillus thuringiensis in a cell-free system from Escherichia coli. Structural homologies between the native crystal protein and the products synthesized in vitro. François M, et al. **Biochimie** 58(1–2):119–29, 1976

Translation of human globin mRNA: globin synthesis in cells containing Hb Leiden. Rieder RF, et al. **Blood** 47(3):489–94, Mar 76

The fate of mRNA and rRNA in Escherichia coli. Apirion D. **Brookhaven Symp Biol** (26):286–306, Jul 75 (62 ref.)

Processing transcription, and translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **Brookhaven Symp Biol** (26):267–76, Jul 75

Effect of estrogen on the synthesis and processing of ovalbumin messenger RNA in the chick oviduct. Rosen JM, et al. **Brookhaven Symp Biol** (26):320–32, Jul 75

The specificity of RNase III cleavage of bacteriophage T7 early messenger RNAs. Rosenberg M, et al. **Brookhaven Symp Biol** (26):277–85, Jul 75

Intracellular distribution of alpha-fetoprotein and albumin messenger RNAs in developing mouse liver. Iio T, et al. **Can J Biochem** 54(5):408–12, May 76

Comparison of in vivo translation rates and messenger RNA levels of alpha2U-globulin in rat liver and Morris hepatoma 5123D. Sippel AE, et al. **Cancer Res** 36(10):3588–93, Oct 76

Biosynthesis and stability of globin mRNA in cultured erythroleukemic Friend cells. Aviv H, et al. **Cell** 8(4):495–503, Aug 76

Ribosome binding to reovirus mRNA in protein synthesis requires 5' terminal 7-methylguanosine. Both GW, et al. **Cell** 6(2):185–95, Oct 75

Initiation sites for translation of sindbis virus 42S and 26S messenger RNAs. Cancedda R, et al. **Cell** 6(2):215–22, Oct 75

Elevated dihydrofolate reductase messenger RNA levels in methotrexate-resistant BHK cells. Chang SE, et al. **Cell** 7(3):391–6, Mar 76

The translational capacity of deadenylated ovalbumin messenger RNA. Doel MT, et al. **Cell** 8(1):51–8, May 76

Message and non-message sequences adjacent to poly(A) in steady state heterogeneous nuclear RNA of HeLa cells. Herman RC, et al. **Cell** 7(3):429–37, Mar 76

Kinetics of formation of 5' terminal caps in mRNA. Perry RP, et al. **Cell** 8(3):433–42, Jul 76

Reovirus mRNA: transcription and translation. Shatkin AJ, et al. **Cell** 7(3):305–13, Mar 76

Effect of plumbous ion on messenger RNA. Farkas WR. **Chem Biol Interact** 11(4):253–63, Oct 75

Alkylation of meseenger RNA by dimethylnitrosamine. Pegg AE, et al. **Chem Biol Interact** 12(3–4):279–84, Mar 76

Isolation of a biologically active messenger RNA: preparation from fish pancreatic islets by oligo(2'-deoxythymidylic acid) affinity chromatography. Permutt MA, et al. **Ciba Found Symp** 41:97–116, 1976

Human adenovirus infection in monkey cells: an example of host restriction at a step late in replication. Baum SG, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:567–73, 1975

An antigen associated with messenger RNA in a transformed hamster cell line. Mirault ME, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:295–303, 1975

The cell-free translation of SV40 messenger RNA. Prives CL, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:309–16, 1975

Analysis of adenovirus type 2 gene functions by cell-free translation of viral messenger RNA. Westphal H, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:575–9, 1975

Regulation of messenger RNA translation during insect development. Ilan J, et al. **Curr Top Dev Biol** 9:89–136, 1975 (98 ref.)

Cell-free translation of messenger RNA for a myeloma light chain prepared from synchronised plasmacytoma cells. Abraham KA, et al. **Eur J Biochem** 65(1):79–86, 17 May 76

Translation of the mRNA for rabbit uteroglobin in cell-free systems. Evidence for a precursor protein. Beato M, et al. **Eur J Biochem** 64(1):15–25, 15 Apr 76

Characterization of polysomes from Xenopus liver synthesizing vitellogenin and translation of vitellogenin and albumin messenger RNA's in vitro. Berridge MV, et al. **Eur J Biochem** 62(1):161–71, 2 Feb 76

Biogenesis of polysomes and transport of messenger RNA in yeast. Brañes L, et al. **Eur J Biochem** 54(2):317–28, Jun 75

Purification and sequence analysis of the mRNA coding for an immunoglobulin heavy chain. Cowan NJ, et al. **Eur J Biochem** 61(2):353–68, 15 Jan 76

Turnover of polyadenylated messenger RNA in fission yeast. Evidence for the control of protein synthesis at the translational level. Fraser RS. **Eur J Biochem** 60(2):477–86, 15 Dec 75

Studies concerning the mechanism by which translational-control RNA regulates protein synthesis in embryonic muscle. Heywood SM, et al. **Eur J Biochem** 58(2):587–93, 15 Oct 75

Readenylation of polyadenylate-free globin messenger RNA restores its stability in vivo. Huez G, et al. **Eur J Biochem** 59(2):589–92, 15 Nov 75

Organization of vitellogenin polysomes, size of the mRNA and polyadenylate fragment. Jost JP, et al. **Eur J Biochem** 62(2):299–306, 16 Feb 76

Immunochemical isolation and characterization of vitellogenin mRNA from liver of estradiol-treated chicks. Jost JP, et al. **Eur J Biochem** 66(2):339–46, 1 JUL 76

Requirement for ribosome-releasing factor for the release of ribosomes at the termination codon. Ogawa K, et al. **Eur J Biochem** 58(2):411–9, 15 Oct 75

Translation of honeybee promelittin messenger RNA. Formation of a larger product in a mammalian cell-free system. Suchanek G, et al. **Eur J Biochem** 60(1):309–15, 1 Dec 75

Transport of messenger RNA into different classes of membrane-associated polyribosomes in Ehrlich-ascites-tumor cells. van Venrooij WJ, et al. **Eur J Biochem** 56(1):229–38, 1 Aug 75

Thyroglobulin messenger RNA: translation of a 33-S mRNA into a peptide immunologically related to thyroglobulin. Vassart G, et al. **Eur J Biochem** 55(1):15–22, 16 Jun 75

Procollagen biosynthesis by embryonic-chick-bone polysomes. Estimation of the relative numbers of active proalpha1 and proalpha2 messenger ribonucleic acids. Vuust J. **Eur J Biochem** 60(1):41–50, 1 Dec 75

Informosomes as a stored form of mRNA in wheat embryos. Ajtkhozhin MA, et al. **FEBS Lett** 66(1):124–6, 1 Jul 76

Translation of the messenger RNA for rabbit uteroglobin in Xenopus oocytes. Beato M, et al. **FEBS Lett** 59(2):305–9, 15 Nov 75

Differential recognition of chloroplast and cytoplasmic messenger RNA by 70S and 80S ribosomal systems. Bottomley W, et al. **FEBS Lett** 63(1):120–4, 15 Mar 76

Translational discrimination of 'capped' and 'non-capped' mRNAS: inhibition of a series of chemical analogs of m7GpppX. Canaani D, et al. **FEBS Lett** 64(2):326–31, 1 May 76

Proteins at the mRNA binding site of the Escherichia coli ribosome. Fiser I, et al. **FEBS Lett** 56(2):226–9, 15 Aug 75

Translation of type I and type II procollagen messengers in a cell-free system derived from wheat germ. Harwood R, et al. **FEBS Lett** 57(1):47–50, 1 Sep 75

Glutamine cognate codons in rabbit haemoglobin mRNAs. Hilse K, et al. **FEBS Lett** 60(2):380–3, 15 Dec 75

In vitro synthesis of yeast ribosomal proteins. Mager WH, et al. **FEBS Lett** 58(1):219–21, 15 Oct 75

Free cytoplasmic alpha-globin messenger RNA appears during the maturation of rabbit reticulocytes. Marbaix G, et al. **FEBS Lett** 66(2):269–73, 15 Jul 76

Effect of N6,O2'-dibutyryl cyclic AMP treatment of lymphoma cells on the translation of globin mRNA by cell-free extracts. Negreanu J, et al. **FEBS Lett** 64(2):423–8, 1 May 76

The role of thyroxine in the regulation of translatable messenger RNA for alpha2u globulin in rat liver. Roy AK, et al. **FEBS Lett** 64(2):396–9, 1 May 76

Effect of a discriminating factor on alpha and beta globin mRNA translation. Vaquero C, et al. **FEBS Lett** 58(1):325–9, 15 Oct 75

Increased levels of microsomal albumin-mRNA in the liver of nephrotic rats. Zähringer J, et al. **FEBS Lett** 62(3):322–5, 1 Mar 76

Dependence of translation on 5'-terminal methylation of mRNA. Shatkin AJ, et al. **Fed Proc** 35(11):2214–7, Sep 76 (17 ref.)

Stimulation of collagen synthesis in a cell-free system by mRNA from chick embryos. Neufang O, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1445–50, Sep 75

Intracellular membranes: their possible role in messenger RNA stabilization and translational regulation. pp. 193–215. Pitot HC, et al. **In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.**

Comments on the influence of testosterone on RNA metabolism in the rat ventral prostate. pp. 349–60. Mainwaring WI, et al. **In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.**

Translation of TYMV RNA in a wheat germ cell-free system. pp. 189–95. Benicourt C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Synthesis of the structural proteins of Semliki forest virus. pp. 255–8. Clegg C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Cell-free translation products of early RNA from adenovirus type 2-infected KB cells. pp. 299–304. Eron L, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Synthesis in vitro of mRNA by RNA polymerase induced in VSV-infected L cells and translation of the mRNA species into viral proteins. pp. 259–64. Ghosh HP, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Inhibition of host cell protein synthesis by encephalomyocarditis virus infection. pp. 369–71. Golini F, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Translation of viral and cellular m-RNAs in extracts from interferon-treated cells. pp. 373–8. Gross HJ, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and**

translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The RNAs of brome mosaic virus and their translation in cell-free extracts derived from wheat embryo. pp. 205–10. Kaesberg P.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of tobacco mosaic virus RNA and isolation of the messenger for TMV coat protein. pp. 211–6. Knowland J, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Modification at the 5'-terminus of messenger RNA strand. pp. 153–9. Miura K, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Modification of the 5'-terminus of mRNA by guanylyl and methyl transferases from vaccinia virus. pp. 161–8. Moss B, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The cell-free translation of early and late classes of SV40 messenger RNA. pp. 305–12. Prives C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Control of mRNA translation by specific tRNAs in extracts from interferon treated mouse cells. pp. 397–405. Revel M, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

5'-terminal 7-methylguanosine in eukaryotic mRNAs and its requirement. pp. 177–86. Shatkin AJ, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of alfalfa mosaic virus RNAs in plant cell and mammalian cell extracts. pp. 225–32. Thang MN, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Processing of heterogeneous chromosomal RNA: studies with an initiation inhibitor. pp. 57–62. Egyházi E.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Messenger RNA: transcription, processing and turnover. pp. 17–34. Perry RP, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Nuclear and cytoplasmic interactions: the participation of membranes in the transport of nuclear mRNA and initiation of protein synthesis. pp. 87–92. Pogo AO, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

The cell free translation of purified simian virus 40 messenger RNA. pp. 127–39. Prives C.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Injection of messenger RNA into living cells and its application to the study of gene action in Xenopus laevis. pp. 110–20. Knowland JS, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Ovalbumin mRNA, complementary DNA, and hormone regulation in chick oviduct. pp. 26–42. Schimke RT, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Specific and heterospecific transfer of hormone action by mRNA. pp. 270–83. Segal SJ, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Evidence for mRNA of higher plants. pp. 233–43. Higgins TJ, et al.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Properties of the mRNA for feather keratin: mRNA transcribed from a family of repeated genes. pp. 205–16. Kemp DJ, et al.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Regulation of messenger RNA translation during myogenesis: nonpolysomal cytoplasmic messenger ribonucleoprotein particles in embryonic chicken muscles. pp. 111–27. Bag J, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Proceedings: Partial sequence and size of the amino terminal extrapiece of immunoglobulin precursors programmed by mRNA in the wheat germ cell-free system. Burstein Y, et al. **Isr J Med Sci** 11(11):1203, Nov 75

Proceedings: In vitro translation of rat brain mRNA coding for tubulin and actin. Gozes I, et al. **Isr J Med Sci** 11(11):1203, Nov 75

Proceedings: In vitro translation of mRNA from developing cysts of Artemia salina. Grosfeld H, et al. **Isr J Med Sci** 11(11):1203–4, Nov 75

Proceedings: A photo-affinity labeling agent for the ribosomal mRNA binding site. Keren-Zur M, et al. **Isr J Med Sci** 11(11):1196–7, Nov 75

Proceedings: Discrimination messenger RNA by a mammalian translation initiation factor. Nudel U, et al. **Isr J Med Sci** 11(11):1204, Nov 75

Proceedings: Purification and translation of mRNA coding for SV40 proteins. Prives C, et al. **Isr J Med Sci** 11(11):1206, Nov 75

Proceedings: Sequence complexity of polyadenylic acid–containing mRNA sequences from Saccharomyces cerevisiae. Shalitin C. **Isr J Med Sci** 11(11):1202, Nov 75

Proceedings: Role of the polyadenylic segment in the translation of globin messenger RNA. Soreq H, et al. **Isr J Med Sci** 11(11):1202–3, Nov 75

Proceedings: Mechanism of the interferon-induced block of mRNA translation in mouse L cells and its reversal by tRNA. Zilberstein A, et al. **Isr J Med Sci** 11(11):1211, Nov 75

Coupling of rates of transcription, translation, and messenger ribonucleic acid degradation in streptomycin-dependent mutants of Escherichia coli. Gupta RS, et al. **J Bacteriol** 125(1):84–93, Jan 76

Association of messenger ribonucleic acid with 70S monosomes from down-shifted Escherichia coli. Jacobson LA, et al. **J Bacteriol** 127(1):637–43, Jul 76

Effect of arginine on the stability and size of argECBH messenger ribonucleic acid in Escherichia coli. Krzyzek RA, et al. **J Bacteriol** 126(1):365–76, Apr 76

Synthesis of human placental lactogen and human chorionic gonadotropin by polyribosomes and messenger RNA's from early and full term placentas. Chatterjee M, et al. **J Biol Chem** 251(10):2945–51, 25 May 76

Regulation of in vitro mRNA transcription by a fraction of chromosomal proteins. Chiu JF, et al. **J Biol Chem** 250(24):9431–3, 25 Dec 75

Properties of biologically active messenger RNA from human placenta. Cell-free synthesis of two immunoreactive forms of placental lactogen. Cox GS, et al. **J Biol Chem** 251(6):1723–30, 25 Mar 76

Beta-Galactosidase messenger RNA made during recovery from inhibition of protein synthesis is not translated. Ennis HL, et al. **J Biol Chem** 251(9):2854–60, 10 May 76

Cell-free synthesis of a prolactin precursor directed by mRNA from cultured rat pituitary cells. Evans GA, et al. **J Biol Chem** 251(9):2842–7, 10 May 76

Purification and properties of biologically active rainbow trout testis protamine mRNA. Gedamu L, et al. **J Biol Chem** 251(5):1455–63, 10 Mar 76

Effects of sex hormones on the level of the messenger RNA for the rat hepatic protein alpha 2u globulin. Kurtz DT, et al. **J Biol Chem** 251(12):3594–8, 25 Jun 76

Cell-free synthesis of a large translation product of prolactin messenger RNA. Maurer RA, et al. **J Biol Chem** 251(9):2801–7, 10 May 76

mRNA methylation and protein synthesis in extracts from embryos of brine shrimp, Artemia salina. Muthukrishnan S, et al. **J Biol Chem** 250(24):9336–41, 25 Dec 75

Specificity of bacterial ribosomes and messenger ribonucleic acids in protein synthesis reactions in vitro. Stallcup MR, et al. **J Biol Chem** 251(8):2499–510, 25 Apr 76

Direct association of messenger RNA labeled in the presence of fluoroorotate with membranes of the endoplasmic reticulum in rat liver. Cardelli J, et al. **J Cell Biol** 70(1):47–58, Jul 76

Membrane-bound ribosomes of myeloma cells. III. The role of the messenger RNA and the nascent polypeptide chain in the binding of ribosomes to membranes. Mechler B, et al. **J Cell Biol** 67(1):25–37, Oct 75

Pre – proparathyroid hormone identified by cell – free translation of messenger RNA from hyperplastic human parathyroid tissue. Habener JF, et al. **J Clin Invest** 56(5):1328–33, Nov 75

The effect of rifampicin on the stability of the messenger ribonucleic acid of Bacillus amyloliquefaciens as determined by DNA:RNA hybridization. Coleman G, et al. **J Gen Microbiol** 92(1):200–6, Jan 76

Stability of rapidly labelled messenger ribonucleic acid in Bacillus amyloliquefaciens during the phases of minimum and maximum extracellular enzyme formation. Brown S, et al. **J Mol Biol** 96(2):335–44, 5 Aug 75

Messenger ribonucleic acid content of Bacillus amyloliquefaciens throughout its growth cycle compared with Bacillus subtilis 168. Brown S, et al. **J Mol Biol** 96(2):345–52, 5 Aug 75

Comparative analysis of the in vivo and in vitro expression of bacteriophage T7 messenger RNAs during infection of Escherichia coli. Hopper JE, et al. **J Mol Biol** 94(4):539–54, 5 Jun 75

Messenger RNA potential and the delay before exponential decay of messages. Kennell D, et al. **J Mol Biol** 104(1):285–98, 14 Jun 76

Nuclear and cytoplasmic adenovirus RNA. Differences between 5'-terminal of messenger and non-messenger transcripts. McGuire PM, et al. **J Mol Biol** 101(3):379–96, 5 Mar 76

Hybridization maps of early and late messenger RNA sequences on the adenovirus type 2 genome. Pettersson U, et al. **J Mol Biol** 101(4):479–501, 15 Mar 76

The phi80 lambdadilv phage and its use to detect messenger RNA related to isoleucine-valine metabolism. Schiavo FL, et al. **J Mol Biol** 99(3):353–68, 15 Dec 75

The association of protein with the polyadenylic acid of HeLa cell messenger RNA: evidence for a 'transport' role of a 75,000 molecular weight polypeptide. Schwartz H, et al. **J Mol Biol** 104(4):833–51, 15 Jul 76

Measurement of the pool size and synthesis rate of the metabolically unstable fraction of RNA in Escherichia coli by a method independent of hybridization efficiency and unaffected by precursor compartmentation. Summerton JE. **J Mol Biol** 100(2):127–40, 15 Jan 76

Early to late switch in bacteriophage T7 development: no translational discrimination between T7 early messenger RNA and late messenger RNA. Yamada Y, et al. **J Mol Biol** 100(1):35–45, 5 Jan 76

The kinetics of codon-anticodon interaction in yeast phenylalanine transfer RNA. Yoon K, et al. **J Mol Biol** 99(4):507–18, 25 Dec 75

Analysis of the template activity of bacteriophage T7 messenger RNAs during infection of male and female strains of Escherichia coli. Young ET, et al. **J Mol Biol** 99(1):167–84, 25 Nov 75

Biogenesis of plasmalemmal glycoproteins. Intracellular site of synthesis of mouse liver plasmalemmal 5'-nucleotidase as determined by the sub-cellular location of messenger RNA coding for 5'-nucleotidase. Bergeron JJ, et al. **J Sports Med** 1(4):325–37, 1973

Cellular protein synthesis shutoff by mengovirus: translation of nonviral and viral mRNA's in extracts from uninfected and infected Ehrlich ascites tumor cells. Abreu SL, et al. **J Virol** 18(1):182–94, Apr 76

Cell-free translation of influenza virus mRNA. Content J. **J Virol** 18(2):604–18, May 76

Translation of individual host mRNA's in MPC-11 cells is differentially suppressed after infection by vesicular stomatitis virus. Nuss DL, et al. **J Virol** 19(2):572–8, Aug 76

Interferon treatment of Ehrlich ascites tumor cells: effects on exogenous mRNA translation and tRNA inactivation in the cell extract. Sen GC, et al. **J Virol** 17(1):191–203, Jan 75

7-Methyl-guanosine and efficiency of RNA translation. Shih DS, et al. **J Virol** 19(2):637–42, Aug 76

Level of specific prereplicative mRNA's during bacteriophage T4 regA–, 43– and T4 43– infection of Escherichia coli B. Trimble RB, et al. **J Virol** 17(2):538–49, Feb 76

Translation of T7 RNA in vitro without cleavage by RNase III. Yamada Y, et al. **J Virol** 18(3):1155–9, Jun 76

Effect of tryptophan on polyriboadenylic acid and polyadenylic acid–messenger ribonucleic acid in rat liver. Murty CN, et al. **Lab Invest** 34(1):77–85, Jan 76

Roles of RNases in cellular regulatory mechanisms. Levy CC. **Life Sci** 17(3):311–6, 1 Aug 75 (59 ref.)

Letter: The measurement of messenger RNA stability: has anyone ever seen 'activator' RNA? **Med Hypotheses** 1(4):165–6, Jul–Aug 75

Three mRNA populations differing in turnover and processing in mouse liver. Lubimova EV, et al. **Mol Biol Rep** 2(4):269–75, Dec 75

The role of IF-3 in the translation of T7- and phi80trp messenger RNA. Benne R, et al. **Mol Gen Genet** 139(4):311–9, 8 Sep 75

Transcriptional control of the isoleucine-valine messenger RNA's in E. coli K-12. Childs GJ, et al. **Mol Gen Genet** 138(3):257–68, 19 Jun 75

Initial trp operon sequence in Escherichia coli is transcribed without coupling to translation. Kano Y, et al. **Mol Gen Genet** 146(2):179–88, 23 Jul 76

Polynucleotide phosphorylase can participate in decay of mRNA in Escherichia coli in the absence of ribonuclease II. Kinscherf TG, et al. **Mol Gen Genet** 139(4):357–62, 8 Sep 75

Selective messenger translation by Bacillus subtilis ribosomes. Legault-Démare L, et al. **Mol Gen Genet** 142(4):277–87, 31 Dec 76

Bacteriophage SPO1 DNA- and RNA-directed protein synthesis in vitro: comparison with in vivo control. Shub DA. **Mol Gen Genet** 137(2):171–80, 1975

Effects of poly(9-vinyladenine) and poly(1-vinyluracil) on messenger ribonucleic acid template activity. Reynolds FH Jr, et al. **Mol Pharmacol** 11(6):708–15, Nov 75

Kinetics of inactivation of histone mRNA in the cytoplasm after inhibition of DNA replication in synchronised HeLa cells. Gallwitz D. **Nature** 257(5523):247–8, 18 Sep 75

Evidence for post-transcriptional selection of viral mRNA in cells transformed by human adenovirus 12. Green MR, et al. **Nature** 261(5558):340–2, 27 May 76

Translation of RNA from unfertilised sea urchin eggs does not require methylation and is inhibited by 7-methylguanosine-5'-monophosphate. Hickey ED, et al. **Nature** 261(5555):71–2, 6 May 76

Messenger RNA for the coat protein of tobacco mosaic virus. Hunter TR, et al. **Nature** 260(5554):759–64, 29 Apr 76

Increasing haemoglobin beta-chain syntheses in foetal development is associated with a declining gamma-to alpha-mRNA ratio. Kazazian HH Jr, et al. **Nature** 260(5546):67–70, 4 Mar 76

Half life of yeast messenger RNA. Petersen NS, et al. **Nature** 260(5546):70–2, 4 Mar 76

Intact 3' end of 16S rRNA is not required for specific mRNA binding. Ravetch JV, et al. **Nature** 262(5564):150–3, 8 Jul 76

Conservation of cytoplasmic poly (A)–containing RNA in mouse and rat. Rosbash M, et al. **Nature** 258(5537):682–6, 25 Dec 75

Translation in vitro of vesicular stomatitis virus mRNA lacking 5'–terminal 7–methylguanosine. Rose JK, et al. **Nature** 262(5563):32–7, 1 Jul 76

Evidence for role of m7G5'–phosphate group in recognition of eukaryotic mRNA by initiation factor IF–M3. Shafritz DA, et al. **Nature** 261(5558):291–4, 27 May 76

Synthesis of DNA complementary to the mRNAs for milk proteins by E. coli DNA polymerase I. Houdebine LM. **Nucleic Acids Res** 3(3):615–30, Mar 76

Isolation and in vitro translation of human placental lactogen messenger RNA from human term placenta. Hubert C, et al. **Nucleic Acids Res** 2(10):1903–10, Oct 75

Preparation of pancreatic mRNA: cell–free translation of an insulin–immunoreactive polypeptide. Lomedico PT, et al. **Nucleic Acids Res** 3(2):381–91, Feb 76

An assay for albumin messenger RNA in an vitro protein synthesizing system from wheat germ. Peterson JA. **Nucleic Acids Res** 3(6):1427–36, Jun 76

Bacteriophage T3 and T7 early RNAs are translated by eukaryotic 80S ribosomes: active phage T3 coded S–adenosylmethionine cleaving enzyme is synthesized. Anderson CW, et al. **Proc Natl Acad Sci USA** 73(8):2752–6, Aug 76

Very short–lived and stable mRNAs from resting human lymphocytes. Berger SL, et al. **Proc Natl Acad Sci USA** 72(10):3873–7, Oct 75

Relationship between nuclear and cytoplasmic poly(adenylic acid). Brandhorst BP, et al. **Proc Natl Acad Sci USA** 72(9):3580–4, Sep 75

Coupled in vitro transcription and translation of vesicular stomatitis virus messenger RNA. Breindl M, et al. **Proc Natl Acad Sci USA** 72(7):2545–9, Jul 75

Unequal accumulation of alpha– and beta–globin mRNA in erythropoietic mouse spleen. Cheng TC, et al. **Proc Natl Acad Sci USA** 73(6):1811–5, Jun 76

Methylation of messenger RNA of Newcastle disease virus in vitro by a virion–associated enzyme. Colonno RJ, et al. **Proc Natl Acad Sci USA** 72(7):2611–5, Jul 75

Modification of the 5'–terminus of mRNA by soluble guanylyl and methyl transferases from vaccinia virus. Ensinger MJ, et al. **Proc Natl Acad Sci USA** 72(7):2525–9, Jul 75

Polypeptide chain initiation in eukaryotes: initiation factor requirements for translation of natural messengers. Filipowicz W, et al. **Proc Natl Acad Sci USA** 73(1):44–8, Jan 76

A protein binding the methylated 5'–terminal sequence, m7GpppN, of eukaryotic messenger RNA. Filipowicz W, et al. **Proc Natl Acad Sci USA** 73(5):1559–63, May 76

Nucleotide sequences of the 3'–terminal untranslated region of messenger RNA for human beta globin chain. Forget BG, et al. **Proc Natl Acad Sci USA** 72(9):3614–8, Sep 75

Translation of nonpolyadenylylated messenger RNA of sea urchin embryos. Fromson D, et al. **Proc Natl Acad Sci USA** 73(1):148–51, Jan 76

'Early' simian–virus–40–specific RNA contains information for tumor antigen formation and chromatin replication. Graessmann M, et al. **Proc Natl Acad Sci USA** 73(2):366–70, Feb 76

Inhibition of initiation of protein synthesis by 7–methylguanosine–5'–monophosphate. Hickey ED, et al. **Proc Natl Acad Sci USA** 73(1):19–23, Jan 76

Demonstration of non–functional beta–globin mRNA in homozygous beta degrees–thalassemia. Kan YW, et al. **Proc Natl Acad Sci USA** 72(12):5140–4, Dec 75

Functional level of rat liver tryptophan 2,3–dioxygenase messenger RNA during superinduction of enzyme with actinomycin D. Killewich L, et al. **Proc Natl Acad Sci USA** 72(11):4285–7, Nov 75

Allosteric mechanism for codon–dependent tRNA selection on ribosomes. Kurland CG, et al. **Proc Natl Acad Sci USA** 72(11):4248–51, Nov 75

Synthesis of murine leukemia virus proteins associated with virions assembled in actinomycin D–treated cells: evidence for persistence of viral messenger RNA. Levin JG, et al. **Proc Natl Acad Sci USA** 73(4):1154–8, Apr 76

Very stable prokaryotic messenger RNA in chromosomeless Escherichia coli minicells. Levy SB. **Proc Natl Acad Sci USA** 72(8):2900–4, Aug 75

Absence of polyadenylate segment in globin messenger RNA accelerates its degradation in Xenopus oocytes. Marbaix G, et al. **Proc Natl Acad Sci USA** 72(8):3065–7, Aug 75

Induction of vitellogenin synthesis by estrogen in avian liver: relationship between level of vitellogenin mRNA and vitellogenin synthesis. Mullinix KP, et al. **Proc Natl Acad Sci USA** 73(5):1442–6, May 76

Short–lived methylated messenger RNA in mouse kidney. Ouellette AJ, et al. **Proc Natl Acad Sci USA** 73(8):2609–13, Aug 76

Translation of RNA that contains polyadenylate from yeast mitochondria in an Escherichia coli ribosomal system. Padmanaban G, et al. **Proc Natl Acad Sci USA** 72(11):4293–7, Nov 75

Clonal variation in albumin messenger RNA activity in hepatoma cells. Peterson JA. **Proc Natl Acad Sci USA** 73(6):2056–60, Jun 76

Interferon activity produced by translation of human interferon messenger RNA in cell–free ribosomal systems and in Xenopus oöcytes. Reynolds FH Jr, et al. **Proc Natl Acad Sci USA** 72(12):4881–5, Dec 75

Purification and characterization of two initiation factors required for maximal activity of a highly fractionated globin mRNA translation system. Safer B, et al. **Proc Natl Acad Sci USA** 73(8):2584–8, Aug 76

Region of immunoglobulin light–chain mRNA transcribed into complementary DNA by RNA–dependent DNA polymerase of avian myeloblastosis virus. Schechter I. **Proc Natl Acad Sci USA** 72(7):2511–4, Jul 75

An evaluation of messenger RNA competition in the shutoff of human interferon production. Sehgal PB, et al. **Proc Natl Acad Sci USA** 73(5):1621–5, May 76

Quantitation of delta–crystallin messenger RNA during lens induction in chick embryos. Shinohara T, et al. **Proc Natl Acad Sci USA** 73(8):2808–12, Aug 76

How ribosomes select initiator regions in mRNA: base pair formation between the 3' terminus of 16S rRNA and the mRNA during initiation of protein synthesis in Escherichia coli. Steitz JA, et al. **Proc Natl Acad Sci USA** 72(12):4734–8, Dec 75

Differential degradation of messenger RNAs in mammalian cells. Stiles CD, et al. **Proc Natl Acad Sci USA** 73(8):2634–8, Aug 76

Pregrowth hormone: product of the translation in vitro of messenger RNA coding for growth hormone. Sussman PM, et al. **Proc Natl Acad Sci USA** 73(1):29–33, Jan 76

mRNA–dependent synthesis of authentic precursor to human placental lactogen: conversion to its mature hormone form in ascites cell–free extracts. Szczesna E, et al. **Proc Natl Acad Sci USA** 73(4):1179–83, Apr 76

Biosynthesis of mouse interferon by translation of its messenger RNA in a cell–free system. Thang MN, et al. **Proc Natl Acad Sci USA** 72(10):3975–7, Oct 75

Presence of messenger specifying sequences in the DNA of chromatin subunits. Tien Kuo M, et al. **Proc Natl Acad Sci USA** 73(5):1572–5, May 76

Translation of thyroglobulin 33S messenger RNA as a means of determining thyroglobulin quaternary structure. Vassart G, et al. **Proc Natl Acad Sci USA** 72(10):3839–43, Oct 75

Transcription–translation and translation–messenger RNA decay coupling: separate mechanisms for different messengers. Walker AC, et al. **Proc Natl Acad Sci USA** 73(4):1126–30, Apr 76

Translation of messenger ribonucleic acid from isolated pancreatic islets and human insulinomas. Yip CC, et al. **Proc Natl Acad Sci USA** 72(12):77709, Dec 75

Novel mechanism for translational control in regulation of ferritin synthesis by iron. Zähringer J, et al. **Proc Natl Acad Sci USA** 73(3):857–61, Mar 76

Studies on the hepatic glucocorticoid receptor and on the hormonal modulation of specific mRNA levels during enzyme induction. Feigelson P, et al. **Recent Prog Horm Res** 31:213–42, 1975 (48 ref.)

Rabbit hemoglobin from frog eggs. Lane C. **Sci Am** 235(2):61–9, 71, Aug 76

Messenger RNA induction of fast sodium ion channels in cultured cardiac myoblasts. McLean MJ, et al. **Science** 191(4224):297–9, 23 Jan 76

Failure of globin mRNA to stimulate globin synthesis in cell–free extracts of interferon–treated globin–synthesizing mouse erythroleukemic cells. Hiller G, et al. **Virology** 69(1):360–3, Jan 76

A comparison of the extents of methylation of vesicular stomatitis virus messenger RNA. Keene JD, et al. **Virology** 69(1):364–7, Jan 76

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40–infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40–infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

In vitro translation of influenza virus messenger RNAs. Richey MB, et al. **Virology** 72(2):410–20, 15 Jul 76

A messenger RNA for capsid protein isolated from tobacco mosaic virus–infected tissue. Siegel A, et al. **Virology** 73(2):363–71, Sep 76

In vitro translation of natural mRNAs in a cell–free system containing components from interferon–treated chicken fibroblasts and factor preparations from mouse ascites cells or rabbit reticulocytes. Hiller G, et al. **Z Naturforsch [C]** 30(3):398–405, May–Jun 75

[Proceedings: Accelerated degradation of globin messenger RNA after removal of polyadenylic segment in Xenopus oocytes] Marbaix G, et al. **Arch Int Physiol Biochim** 83(2):385–6, May 75 **(Fre)**

[Escherichia coli K12 mutant with increased RNA content and messenger RNA stability] Liebart JC, et al. **Biochimie** 58(1–2):233–8, 1976 (Eng. Abstr.) **(Fre)**

[Rat liver polysomes bound to endoplasmic reticulum: evidence for an RNase sensitive ribosome–membrane linkage] Dissous C, et al. **C R Acad Sci [D] (Paris)** 282(3):313–6, 19 Jan 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Susceptibility of endogenous mRNA translation to emetine and cycloheximide in cell free systems from plasma cell tumors, reticulocytes and liver] Emmerich B, et al. **Hoppe Seylers Z Physiol Chem** 356(3):228, Mar 75 **(Ger)**

[Influence of immobilized ribonuclease on the cell–free protein synthesis in the wheat system (author's transl)] Kern H. **Z Naturforsch [C]** 30(2):227–32, Mar–Apr 75 (Eng. Abstr.) **(Ger)**

[The molecular pathogenesis of the thalassemia syndromes (author's transl)] Terada M, et al. **Acta Haematol Jpn** 38(6):711–4, Dec 75 (Eng. Abstr.) **(Jpn)**

[Correlation of protein synthesis and degradation of messenger RNA in E. coli] Arbuzov VA. **Biokhimiia** 40(5):1004–15, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of cycloheximide on incorporation of newly formed mRNA into membrane–bound polyribosomes in rat liver cells] Zlatopol'skii AD. **Biokhimiia** 41(2):304– 7, Feb 76 (Eng. Abstr.) **(Rus)**

[Lifetime of mRNA for rat serum albumin] Liubimova EV, et al. **Dokl Akad Nauk SSSR** 226(2):463–6, 11 Jan 76 **(Rus)**

[Metabolic characteristics of the poly(A) containing mRNA from liver cells] Podobed OV, et al. **Mol Biol** 8(6):936–43, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

[DNA synthesis on the heterogeneous nuclear RNA template catalysed by DNA polymerase of avian myeloblastosis virus] Kavsan VM, et al. **Mol Biol (Mosk)** 9(5):768–74, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[DNA synthesis on the heterogeneous nuclear RNA template catalysed by DNA polymerase of avian myeloblastosis virus] Kavsan VM, et al. **Mol Biol (Mosk)** 9(5):768–74, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The interaction between newly–formed mRNA and ribosomal particles during retarded translation] Leitin VL, et al. **Mol Biol (Mosk)** 9(6):845–55, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Studies on the possibility of mRNA translation for interferon in the heterologic systems] Verkhats'ka AA. **Ukr Biokhim Zh** 48(1):61–3, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Transmission of the nucleic acid–induced character, caudal fin, to the offspring in goldfish. Tung TC, et al. **Sci Sin** 18(2):223–31, Mar–Apr 75

[The effect of mRNA on the stability of the ribosome—aminoacyl–tRNA complex] Budker VG. **Biokhimiia** 40(2):441–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cell–free translation of messenger RNA from oocytes of Xenopus laevis. Darnbrough C, et al. **Dev Biol** 50(2):285–301, Jun 76

The function of the 5' cap of mRNA and nuclear RNA species. Busch H. **Perspect Biol Med** 19(4):549–67, Summer 76 (91 ref.)

[Control of protein synthesis during development (author's transl)] Koga K. **Protein Nucleic Acid Enzyme (Tokyo)** 21(2):81–90, 1 Feb 76 (36 ref.) **(Jpn)**

RNA METHYLASE see **RNA, TRANSFER, METHYLTRANSFERASES**

RNA, NEOPLASM

Circular dichroic studies of the DNA and RNA of nucleoli. Huang CH, et al. **Biochemistry** 15(13):2829–36, 29 Jun 76

Some properties of the small homodisperse RNAs in the cytoplasm of HeLa cells. Eliceiri GL. **Biochim Biophys Acta** 425(2):202–7, 4 Mar 76

Interaction of normal and tumor transfer RNA methyltransferases with ethionine–induced methyl–deficient rat liver transfer RNA. Kerr SJ. **Cancer Res** 35(11 Pt 1):2969–73, Nov 75

Surface immunoglobulins of lymphocytes in mouse plasmacytoma. IV. Evidence for the persistence of the effect of plasmacytoma–RNA on the surface immunoglobulins of normal lymphocytes in vivo and in vitro. Bhoopalam N, et al. **Clin Exp Immunol** 23(1):139–48, Jan 76

Evidence for viruses in human neoplasias. Spiegelman S. **Haematologica (Pavia)** 60(3):339–72, Sep 75

Proceedings: Synthesis and characterization of DNA complementary to immunoglobulin light–chain mRNA. Schechter I, et al. **Isr J Med Sci** 11(11):1204–5, Nov 75

Cytofluorometric studies on conformation of nucleic acids in situ. I. Restriction of acridine orange binding by chromatin proteins. Traganos F, et al. **J Histochem Cytochem** 24(1):40–8, Jan 76

Nucleotide sequences within the ribosomal ribonucleic acids of HeLa cells, Xenopus laevis and chick embryo fibroblasts. Khan MS, et al. **J Mol Biol** 101(2):235–54, 25 Feb 76

Comparison of RNA sequences from widely divergent species. Morazain R, et al. **J Mol Evol** 2(2–3):209–14, 1973

Isolation and characterization of poly(A)–containing polyoma 'early' and 'late' messenger RNAs. Rosenthal LJ. **Nucleic Acids Res** 3(3):661–76, Mar 76

Isolation and characterization of poly(A)–containing intranuclear polyoma–specific 'giant' RNA'S. Rosenthal LJ, et al. **Nucleic Acids Res** 3(5):1167–83, May 76

[Characteristics of poly(A) rich RNA in human lymphocytes under normal conditions and in chronic lympholeukemia] Luganova IS, et al. **Vopr Onkol** 21(6):71–6, 1975 (Eng. Abstr.) **(Rus)**

[Several properties of the nucleic acide of nuclei and mitochondria from hepatoma induced by N–nitroso–N–diethylamine] Shaposhnikov IaD, et al. **Vopr Onkol** 21(12):38–45, 1975 (Eng. Abstr.) **(Rus)**

ANALYSIS

Cytophotometric and cytogenetic studies of prolactin–secreting transplantable pituitary tumor cells in C57BL mice. Hoshino K, et al. **Acta Cytol (Baltimore)**

19(4):337–41, Jul–Aug 75
Sequence relatedness of mammalian viral RNA genomes and RNA species released by human neoplastic cells. East JL, et al. **Bibl Haematol** (43):484–7, Oct 75
Base composition of terminal polynucleotides isolated from mouse ascite nucleolar RNA. Lee JC. **Biochem Biophys Res Commun** 66(4):1257–62, 27 Oct 75
Determination of polyadenylate–rich ribonucleic acid in the nucleus and in the cytoplasm of plasmacytoma cells. Abraham KA, et al. **Biochem J** 149(3):669–74, Sep 75
Characterization of Novikoff hepatoma mRNA methylation and heterogeneity in the methylated 5' terminus. Desrosiers RC, et al. **Biochemistry** 14(20):4367–74, 7 Oct 75
Nuclear ribonucleoprotein complexes containing U1 and U2 RNA. Raj NB, et al. **Biochemistry** 14(20):4380–5, 7 Oct 75
Base composition studies on mitochondrial 4 S RNA from rat liver and Morris hepatomas 5123D and 7777. Chia LL, et al. **Biochim Biophys Acta** 425(1):49–62, 18 Feb 76
Identification of the products of mitochondrial transcription in the walker corcinosarcoma by the use of actinomycin D and ethidium bromide. González–Cadavid NF, et al. **Cancer Res** 36(5):1754–60, May 76
Polyadenylic acid content and electrophoretic behavior of in vitro released RNA's in chemical carcinogenesis. Smuckler EA, et al. **Cancer Res** 36(3):881–8, Mar 76
Methyl labeling of HeLa cell hnRNA: a comparison with mRNA. Salditt–Georgieff M, et al. **Cell** 7(2):227–37, Feb 76
High resolution autoradiographic studies of ehrlich tumour cell nucleoli. Nucleolar labelling after [3H]actinomycin D binding to DNA or after [3H]TdR or [3H]uridine incorporation in nucleic acids. Goessens G. **Exp Cell Res** 100(1):88–94, Jun 76
Presence of a hypermodified nucleotide in HeLa cell 18 S and Saccharomyces carlsbergensis 17 S ribosomal RNAs. Maden BE, et al. **FEBS Lett** 59(1):60–3, 1 Nov 75
The modified 5'–terminal sequences in messenger RNA of mouse myeloma cells. Cory S, et al. **J Mol Biol** 99(4):519–47, 25 Dec 75
Rat sequences of the Kirsten and Harvey murine sarcoma virus genomes: nature, origin, and expression in rat tumor RNA. Anderson GR, et al. **J Virol** 17(2):335–51, Feb 76
Structural difference between the 5' termini of viral and cellular mRNA in poliovirus–infected cells: possible basis for the inhibition of host protein synthesis. Fernandez–Munoz R, et al. **J Virol** 18(2):719–26, May 76
Modified 5'–termini in small nuclear RNAs of mouse myeloma cells. Cory S, et al. **Mol Biol Rep** 2(4):287–94, Dec 75
Chromatin–associated RNA content of heterochromatin and euchromatin. Paul J, et al. **Mol Cell Biochem** 9(1):9–16, 31 Oct 75
Characterization of nuclear and chromatin poly A–containing RNA. Sakamoto S, et al. **Physiol Chem Phys** 7(4):309–24, 1975
Biochemical evidences for ribonucleic acid viral–like characteristics in malignant diseases of gastrointestinal tract and lung in humans. Cuatico W, et al. **Surg Gynecol Obstet** 143(2):193–200, Aug 76
[Ribonucleoproteins containing mRNA in the cytoplasm of mouse plasmacytoma cells] Gortiunova LE, et al. **Mol Biol (Mosk)** 9(6):922–33, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Importance of biochemical analysis of tissue RNA in certain gynecologic diseases] Savel'eva GM, et al. **Sov Med** (6):40–3, Jun 75 (Eng. Abstr.) **(Rus)**
[A change in the relative concentration of individual fractions of low molecular weight nuclear RNA in tumor tissues] Kozlov AP, et al. **Vopr Onkol** 21(6):96–101, 1975 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The relationship among transport, intracellular binding, and inhibition of RNA synthesis by actinomycin D in Ehrlich ascites tumor cells in vitro. Bowen D, et al. **Cancer Res** 35(11 Pt 1):3054–60, Nov 75
The inhibition of ribosomal RNA synthesis and maturation in Novikoff hepatoma cells by 5–fluorouridine. Wilkinson DS, et al. **Cancer Res** 35(11 Pt 1):3014–20, Nov 75

BIOSYNTHESIS

Studies on nucleic acids in lymphocytes of chronic lymphocytic leukaemia. Billington R, et al. **Acta Haematol (Basel)** 54(4):242–7, 1975
Characteristics of heterogeneous nuclear RNA in normal small lymphocytes and in acute leukemia blast cells. An outline. Torelli U. **Acta Haematol (Basel)** 54(4):234–41, 1975 (31 ref.)
Polyadenylation of 35S RNA in vitro by a cytoplasmic particulate fraction from mouse myeloma. Wong–Staal F, et al. **Biochem Biophys Res Commun** 69(3):599–607, 5 Apr 76
The synthesis of polyadenylic acid–containing ribonucleic acid by isolated mitochondria from Ehrlich ascites cells. Aujame L, et al. **Biochem J** 156(3):499–506, 15 Jun 76
Inhibition of protein and RNA synthesis by 5–mercaptopyridoxine. Merryman P, et al. **Biochem Pharmacol** 25(5):547–9, 1 Mar 76
Extended RNA synthesis in isolated nuclei from rat pituitary tumor cells. Biswas DK, et al. **Biochemistry** 15(15):3270, 27 Jul 76
RNA synthesis in Yoshida ascites tumor cells after ultraviolet and gamma irradiation. Ramakrishnan N, et al. **Biochim Biophys Acta** 435(2):119–27, 18 Jun 76
RNA synthesis in isolated HeLa cell nuclei. Sarma MH, et al. **Biochim Biophys Acta** 418(1):29–38, 5 Jan 76
Effect of N1–(2'–tetrahydrofuryl)–5–fluorouracil and 5–fluorouracil on nucleic acid and protein biosyntheses in Ehrlich ascites cells. Fujimoto S, et al. **Cancer Res** 36(1):33–6, Jan 76
Effects of 4–nitrobenzofurazans and their N–oxides on synthesis of protein and nucleic acid by murine leukemia cells. Kessel D, et al. **Cancer Res** 35(12):3735–40, Dec 75
Effect of adriamycin on DNA, RNA, and protein synthesis in cell–free systems and intact cells. Momparler RL, et al. **Cancer Res** 36(8):2891–5, Aug 76
Induction of globin mRNA accumulation by hemin in cultured erythroleukemic cells. Ross J, et al. **Cell** 8(4):513–20, Aug 76
The relationship between the turnover of UTP and RNA synthesis in cultured cells treated with aflatoxin B1. Clifford JI, et al. **Chem Biol Interact** 13(2):165–71, May 76
Nucleic acids & protein synthesis in adenosine treated Ehrlich mouse ascites tumour cells. Ghosh S. **Indian J Exp Biol** 13(3):290–2, May 75
Action of dichlorobenzimidazole riboside on RNA synthesis in L–929 and HeLa cells. Tamm I, et al. **J Cell Biol** 69(2):229–40, May 76
Proteins solubilized from frog virus 3 particles: effect on transcription. Aubertin AM, et al. **J Virol** 18(1):34–41, Apr 76
RNA synthesis in cells infected with herpes simplex virus. XII. Sequence complexity and properties of RNA differing in extent of adenylation. Silvertien S, et al. **J Virol** 18(3):977–91, Jun 76
Effects of methylmercuric chloride on ascites hepatoma AH 13 cells, especially on cell growth and nucleic acid synthesis. Sakai K. **Kumamoto Med J** 28(3):124–34, 30 Sep 75
RNA synthesis by isolated Yoshida ascites hepatoma A.H. 130 cell mitochondria. de Montalvo A, et al. **Mol Cell Biochem** 9(1):21–5, 31 Oct 75
Effect of nucleosides on the synthesis of nucleic acids and proteins in Ehrlich ascites carcinoma cells. Foltínová I, et al. **Neoplasma** 23(2):223–6, 1976
New potential cytotoxic and antitumor substances I. In vitro effect of bikaverin and its derivatives on cells of certain tumors. Fuska J, et al. **Neoplasma** 22(3):335–8, 1975
New potential cytotoxic and antitumor substances. II. Effect of hydroxyanthraquinones and their glucosides on Ehrlich ascites carcinoma cells in vitro. Fuska J, et al. **Neoplasma** 23(2):227–30, 1976
Synthesis of RNA containing a methylated blocked 5' terminus by HeLa nuclear homogenates. Groner Y, et al. **Proc Natl Acad Sci USA** 72(8):2930–4, Aug 75
Transcription in vitro of immunoglobulin kappa light chain genes in isolated mouse myeloma nuclei and chromatin. Smith MM, et al. **Proc Natl Acad Sci USA** 73(3):775–9, Mar 76
RNA synthesis by isolated Yoshida ascites hepatoma A.H. 130 cells mitochondria. Montalvo A, et al. **Rev Esp Fisiol** 31(2):109–14, Jun 75
Comparative studies of effects of carbazilquinone and mitomycin C on DNA, RNA and protein synthesis of Yoshida sarcoma and Yoshida ascites hepatomas. Kanamaru R, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 22(1–2):18–24, Jul 75
[The evaluation of the cyclophosphamide sensitivity of human tumours by determining the incorporation of tritiated uridine and thymidine into the nucleic acids of human tumor cells in vitro in presence of 4–hydroxycyclophosphamide (author's transl)] Bastert G, et al. **Z Krebsforsch** 84(1):37–47, 22 Sept 75 (Eng. Abstr.) **(Ger)**
[In vitro assay for cyclophosphamide–sensitivity of human tumours: the effect of 4–hydro–peroxy–cyclophosphamide on the incorporation of 3H–uridine into the nucleic acids of human tumour cells (author's transl)] Bastert G, et al. **Z Krebsforsch** 85(3):299–307, 19 Mar 76 (Eng. Abstr.) **(Ger)**
[Effects of methanesulfonic acid esters of aminoglycol on cultured ascites tumor cells (author's transl)] Imamura H, et al. **J Pharm Soc Jpn** 95(4):420–3, Apr 75 (Eng. Abstr.) **(Jpn)**
[Changes in RNA synthesis at early stages of aminoazocancerogenesis] Mironov NM, et al. **Biokhimiia** 40(4):861–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Changes in the matrix properties of chromatin during aminoazocarcinogenesis] Mironov NM, et al. **Biull Eksp Biol Med** 81(3):363–5, Mar 76 (Eng. Abstr.) **(Rus)**
[The effect of hydrocortisone on RNA synthesis in the nuclei of rat liver cells and in Zazhdel ascitic hepatoma] Adler VV, et al. **Vopr Onkol** 21(7):80–6, 1975 **(Rus)**
[Interrelation between changes in RNA transcription and glycine–14C incorporation into protein peculiar to hepatoma PC–1] Polishchik AS, et al. **Ukr Biokhim Zh** 48(1):67–71, Jan–Feb 76 **(Ukr)**

BLOOD

Search for nucleic acid sequences complementary to a murine oncornaviral genome in poly(A)–rich RNA of human leukemic cells. Larsen CJ, et al. **Proc Natl Acad Sci USA** 72(12):4900–4, Dec 75

IMMUNOLOGY

Intracellular localization of anti–tumor immune RNA. Kern DH, et al. **Cell Immunol** 22(1):11–8, 1 Mar 76
Surface immunoglobulins of lymphocytes in plasmacytoma. V. The effect of RNA–rich extract from mouse plasmacytoma MOPC 104E on the immune response. Bhoopalam N, et al. **Clin Exp Immunol** 24(2):357–67, May 76
In vitro transfer of tumour–specific immunity with human 'immune' RNA. Han T, et al. **Clin Exp Immunol** 19(2):219–21, Feb 75

ISOLATION & PURIFICATION

A procedure for simultaneous preparation of large amounts of DNA and RNA by the use of potassium iodide gradients. Wolf H. **Anal Biochem** 68(2):505–11, Oct 75
Low molecular weight RNA species from chromatin. Marzluff WF Jr, et al. **Biochemistry** 14(16):3715–24, 12 Aug 75
[Separation of ribonucleoprotein particles (Hn–RNP) from nuclei of L cells, in two classes, by isopycnic centrifugation in metrizamide gradients] Houssais JF. **FEBS Lett** 56(2):341–7, 15 Aug 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Increase in the amount of nuclear RNA in liver of ascites tumour–bearing mice. Andersson G, et al. **Acta Pathol Microbiol Scand [A]** 84(3):225–34, May 76
Digestion of RNA of chromatin and nuclear ribonucleoprotein by staphylococcal nuclease. Augenlicht LH, et al. **Biochemistry** 15(17):3818–23, 24 AUG 76
The binding of 14C labelled 1–(2–chloroethyl)–3–cyclohexyl–1–nitrosourea (CCNU) to macromolecules of sensitive and resistant tumours. Connors TA, et al. **Br J Cancer** 30(5):477–80, Nov 74
Changes in transfer RNA's in human malignant trophoblastic cells (BeWo line). Kuchino Y, et al. **Cancer Res** 36(8):2932–6, Aug 76
Effect of l–asparaginase and asparagine deprivation on RNA metabolism in mouse leukemia L 5178Y cells in suspension culture. Nakashima T, et al. **Cancer Res** 36(10):3616–21, Oct 76
Biosynthesis and stability of globin mRNA in cultured erythroleukemic Friend cells. Aviv H, et al. **Cell** 8(4):495–503, Aug 76
Message and non–message sequences adjacent to poly(A) in steady state heterogeneous nuclear RNA of HeLa cells. Herman RC, et al. **Cell** 7(3):429–37, Mar 76
Small RNA species of the HeLa cell: metabolism and subcellular localization. Zieve G, et al. **Cell** 8(1).19–31, May 76
Changes in RNA and protein metabolism preceding onset of hemoglobin synthesis in cultured Friend leukemia cells. Sherton CC, et al. **Dev Biol** 48(1):118–31, Jan 76
RNA metabolism in nuclei isolated from HeLa cells. Busiello E, et al. **Eur J Biochem** 55(1):61–70, 16 Jun 75
Maturation of 5.8 S RNA in HeLa cells. Khan MS, et al. **FEBS Lett** 61(1):10–3, 01 Jan 76
Urethan and 3,4–benzpyrene interactions with macromolecules of human cells grown in vitro. Ranadive DV, et al. **Indian J Biochem Biophys** 12(1):58–9, Mar 75
RNA associated with non–histone chromosomal proteins in rat liver and in ascites hepatoma. Patel NT, et al. **Int J Cancer** 17(4):484–92, 15 Apr 76
Proceedings: Energy requirement of the breakdown of RNA in cultured hepatoma cells. Aviram M, et al. **Isr J Med Sci** 11(11):1200, Nov 75
RNA:DNA ratios in a developing fibrosarcoma and its lung metastases in C3H mice. Kravetz de Srulijes L, et al. **J Natl Cancer Inst** 55(3):659–63, Sep 75
Cellular protein synthesis shutoff by mengovirus: translation of nonviral and viral mRNA's in extracts from uninfected and infected Ehrlich ascites tumor cells. Abreu SL, et al. **J Virol** 18(1):182–94, Apr 76
Translation of individual host mRNA's in MPC–11 cells is differentially suppressed after infection by vesicular stomatitis virus. Nuss DL, et al. **J Virol** 19(2):572–8, Aug 76
Interferon treatment of Ehrlich ascites tumor cells: effects on exogenous mRNA translation and tRNA inactivation in the cell extract. Sen GC, et al. **J Virol** 17(1):191–203, Jan 75
Incorporation of GMP into specific tRNA molecules by extracts of Ehrlich ascites tumour cells. Ito T, et al. **Nature** 257(5524):327–9, 25 Sep 75
Structural and metabolic characterization of RNAs from rats with experimental Guerin tumor – I. Nucleotide composition of RNAs from the liver and tumor tissues of rats. Ratkiewicz A, et al. **Neoplasma** 23(1):77–83, 1976
Structural and metabolic characterization of RNAs from rats with experimental Guerin tumor – II. metabolic peculiarities of RNAs from the liver and tumor tissues of rats. Ratkiewicz A, et al. **Neoplasma** 23(1):85–94, 1976
Translation of messenger ribonucleic acid from isolated pancreatic islets and human insulinomas. Yip CC, et al. **Proc Natl Acad Sci USA** 72(12):77709, Dec 75
[Fluorochromization with ethidium bromide in cells with Yoshida ascites hepatoma] Raimondi L, et al. **Riv Istochim Norm Patol** 18(1–4):25–8, 1974 **(Ita)**

PHARMACODYNAMICS

Effect of tRNA from 5-azacytidine-treated hamster fibrosarcoma cells on protein synthesis in vitro in a cell-free system. Momparler RL, et al. **Biochem Pharmacol** 25(4):389–92, 15 Feb 76

Inhibition of protein synthesis in reticulocyte lysates by double-stranded ribonucleic acid extracted from nuclei of leukemic cells. Torelli U, et al. **FEBS Lett** 56(1):96–100, 1 Aug 75

RNA NUCLEOTIDYLTRANSFERASES

Purification and properties of bacteriophage T4-induced RNA ligase. Last JA, et al. **Arch Biochem Biophys** 174(1):167–76, May 76

Structure and function of RNA replicase of bacteriophage Qbeta. Kondo M. **Arch Int Physiol Biochim** 83(5):909–48, Dec 75 (99 ref.)

Readenylation of polyadenylate-free globin messenger RNA restores its stability in vivo. Huez G, et al. **Eur J Biochem** 59(2):589–92, 15 Nov 75

Physical mapping of Qbeta replicase binding sites on Qbeta RNA. Vollenweider HJ, et al. **J Mol Biol** 101(3):367–77, 5 Mar 76

Isolation and properties of the replicase of encephalomyocarditis virus. Traub A, et al. **J Virol** 18(2):375–82, May 76

RNA polymerase from tobacco necrosis virus infected and uninfected tobacco. Purification of the membrane-associated enzyme. Fraenkel-Conrat H. **Virology** 72(1):23–32, 1 Jul 76

Characterization of transcriptase and replicase particles isolated from reovirus-infected cells. Morgan EM, et al. **Virology** 68(2):455–66, Dec 75

[RNA polymerase activity associated with a bunya virus (Lumbo)] Bouloy M, et al. **C R Acad Sci [D] (Paris)** 280(2):213–5, 13 Jan 75 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Preferential inhibition by poly(adenylic acid) of minus-strand synthesis by bacteriophage Qbeta ribonucleic acid replicase. Kondo M. **Biochem J** 155(2):461–4, 1 May 76

Inhibition of transfer ribonucleic acid nucleotidyl transferase (EC 2.7.7.25) from Ehrlich tumor cells by proflavine sulfate and ethidium bromide. Girgenti AJ, et al. **Enzyme** 21(3):225–31, 1976

In vitro transcription of a vesicular stomatitis virus mutant. pp. 103–8. Moreau MC, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Virucidal effect of sodium p-chloromercuribenzoate on influenza viruses attributable to inhibition of virus particle-associated RNA-dependent RNA polymerase. Shinkai K. **Jpn J Microbiol** 19(1):19–24, Feb 75

BIOSYNTHESIS

R17 bacteriophage replicase: association with the inhibition of Qbeta, fd bacteriophage and beta-galactosidase production. Scott JW, et al. **J Urol** 16(4):1077–80, Oct 75

ISOLATION & PURIFICATION

Separation studies of TMV replicase. Brishammar S. **Ann Microbiol (Paris)** 127A(1):25–31, Jan 76

TYMV RNA replicase: formation of a complex between the purified enzyme and TYMV RNA. Mouchès C, et al. **Ann Microbiol (Paris)** 127A(1):75–90, Jan 76

Proceedings: Properties of the template-dependent cowpea mosaic virus replicase. Zabel P, et al. **Ann Microbiol (Paris)** 127A(1):111–2, Jan 76

Isolation and properties of the replicase of encephalomyocarditis virus. pp. 135–41. Traub A, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Partial purification of cowpea mosaic virus RNA replicase. pp. 143–6. Zabel P, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

METABOLISM

Isolation and properties of tRNA nucleotidyltransferase from wheat embryos. Dullin P, et al. **Acta Biochim Pol** 22(4):279–89, 1975

Interactions of plant viral RNAs and tRNA nucleotidyl transferase. Busto P, et al. **Ann Microbiol (Paris)** 127A(1):39–46, Jan 76

Proceedings: An RNA-dependent RNA polymerase from gall tissue of Fiji disease-infected sugarcane leaves. Ikegami M, et al. **Ann Microbiol (Paris)** 127A(1):117, Jan 76

Amino acid acceptor activity of tRNA-C-C-C-A. Kirschenbaum AH, et al. **Biochem Biophys Res Commun** 70(1):258–64, 3 May 76

Synthesis of RNA complementary of rabbit globin mRNA by Qbeta replicase. Vournakis JN, et al. **Biochem Biophys Res Commun** 70(3):774–82, 7 Jun 76

Renaturation of a multisubunit multiactivity enzyme complex: recovery of phage Qbeta RNA replicase, EF-Tu, and EF-Ts activities after denaturation in urea. Blumenthal T, et al. **Biochemistry** 15(2):422–5, 27 Jan 76

Evidence for the participation of a host enzyme in the activation of poly (A)-Qbeta RNA as an infectious agent. Gilvarg C, et al. **Biochim Biophys Acta** 414(3):341–8, 19 Dec 75

Study of the Escherichia coli tRNA nucleotidyltransferase. Specificity of the enzyme for nucleoside triphosphates. Carré D, et al. **Biochimie** 56(11–12):1451–7, 1974

Status of tRNA charging, trinucleotide acceptor sequence and tRNA nucleotidyltransferase activity in the human placenta. Baliga BS, et al. **Can J Biochem** 54(7):609–16, Jul 76

Initiation specificity of the poly(cytidylic acid)-dependent Qbeta replicase activity. Feix G, et al. **Eur J Biochem** 58(1):59–64, 1 Oct 75

Phage Qbeta replicase: cell-free synthesis of the phage-specific subunit and its assembly with host subunits to form active enzyme. Happe M, et al. **Eur J Biochem** 58(2):359–66, 15 Oct 75

tRNA nucleotidyltransferase-catalyzed incorporation of CMP and AMP into RNA-bacteriophage genome fragments. Prochiantz A, et al. **Eur J Biochem** 52(1):17–23, 3 Mar 75

Changes in tRNA nucleotidyl transferase activity during embryonic development of Xenopus laevis. Paradiso P, et al. **Exp Cell Res** 100(1):9–14, Jun 76

Polydeoxyribonucleotides as templates for RNA synthesis catalysed by Qbeta replicase. Feix G, et al. **FEBS Lett** 63(1):201–4, 15 Mar 76

In vitro transcription by the influenza virion RNA transcriptase. pp. 95–101. Carroll AR, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Synthesis in vitro of mRNA by RNA polymerase induced in VSV-infected L cells and translation of the mRNA species into viral proteins. pp. 259–64. Ghosh HP, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

TYMV-RNA replicase. pp. 109–20. Mouches C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

RNA polymerase activity associated with Uukuniemi virus. pp. 121–7. Pettersson RF, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Structure and functional activity of the RNA polymerase of vesicular stomatitis virus. pp. 129–34. Szilágyi JF.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro synthesis of transfer RNA. II. Identification of required enzymatic activities. Bikoff EK, et al. **J Biol Chem** 250(16):6248–55, 25 Aug 75

Function and structure in phage Qbeta RNA replicase. Association of EF-Tu-Ts with the other enzyme subunits. Blumenthal T, et al. **J Biol Chem** 251(9):2740–3, 10 May 76

Function and structure in ribonucleic acid phage Qbeta ribonucleic acid replicase. Effect of inhibitors of EF-Tu on ribonucleic acid synthesis and renaturation of active enzyme. Brown S, et al. **J Biol Chem** 251(9):2749–53, 10 May 76

Immunochemical analysis of the functions of the subunits of phage Qbeta ribonucleic acid replicase. Carmichael GG, et al. **J Biol Chem** 251(9):2744–8, 10 May 76

A novel function of Escherichia coli transfer RNA nucleotidyltransferase. Biosynthesis of the C-C-A sequence in a phage T4 transfer RNA precursor. Schmidt FJ. **J Biol Chem** 250(21):8399–403, 10 Nov 75

Site-specific interaction of Qbeta host factor and ribosomal protein S1 with Qbeta and R17 bacteriophage RNAs. Senear AW, et al. **J Biol Chem** 241(7):1902–12, 10 Apr 76

In vitro replication of cowpea mosaic virus RNA. II. Solubilization of membrane-bound replicase and the partial purification of the solubilized enzyme. Zabel P, et al. **J Virol** 17(3):679–85, Mar 76

Ribohomopolymer formation as a source of error in the radioactive precursor incorporation studies of nuclear DNA-dependent RNA synthesis. Yu FL. **Life Sci** 18(10):1171–5, 15 May 76

A two-component ribonucleotidyl transferase from E. coli. Prangishvili DA, et al. **Mol Biol Rep** 2(2):129–34, Jul 75

Primer-dependent copying of rabbit globin mRNA with Qbeta replicase. Feix G. **Nature** 259(5544):593–4, 19 Feb 76

Coupled in vitro transcription and translation of vesicular stomatitis virus messenger RNA. Breindl M, et al. **Proc Natl Acad Sci USA** 72(7):2545–9, Jul 75

Reconstitution of Qbeta RNA replicase from a covalently bonded elongation factor Tu-Ts complex. Brown S, et al. **Proc Natl Acad Sci USA** 73(4):1131–5, Apr 76

Modification of the 5'-terminus of mRNA by soluble guanylyl and methyl transferases from vaccinia virus. Ensinger MJ, et al. **Proc Natl Acad Sci USA** 72(7):2525–9, Jul 75

Minimal requirements for template recognition by bacteriophage Qbeta replicase: approach to general RNA-dependent RNA synthesis. Küppers B, et al. **Proc Natl Acad Sci USA** 72(7):2640–3, Jul 75

Nucleotide sequence of microvariant RNA: another small replicating molecule. Mills DR, et al. **Proc Natl Acad Sci USA** 72(11):4252–6, Nov 75

Studies on lumbo virus replication. I. RNA-dependent RNA polymerase associated with virions. Bouloy M, et al. **Virology** 69(1):258–64, Jan 76

RNA-dependent RNA polymerase associated with subviral particles of Fiji disease virus. Ikegami M, et al. **Virology** 70(2):292–300, Apr 76

[Effect of synthetic polynucleotides and RNA on poly(C)-dependent poly(G) polymerase activity of Q beta replicase] Berzin VM, et al. **Biokhimiia** 40(3):526–30, May-Jun 75 (Eng. Abstr.) **(Rus)**

RNA POLYMERASE

Structural comparison of deoxyribonucleic acid-dependent ribonucleic acid polymerases I and II from the slime mold Physarum polycephalum. Weaver RF. **Arch Biochem Biophys** 172(2):470–5, Feb 76

Yeast RNA polymerase I: a eukaryotic zinc metalloenzyme. Auld DS, et al. **Biochem Biophys Res Commun** 69(2):548–54, 22 Mar 76

Chemical modification of ribonucleic acid polymerase with N-bromosuccinimide. Wasylyk B, et al. **Biochem Soc Trans** 3(5):654, 1975

Affinity labeling of Escherichia coli DNA-dependent RNA polymerase with 5-formyl-1-(alpha-D-ribofuranosyl)uracil 5'-triphosphate. Armstrong VW, et al. **Biochemistry** 15(10):2086–91, 18 May 76

Identification of the amatoxin-binding subunit of RNA polymerase B by affinity labeling experiments. Subunit B3-the true amatoxin receptor protein of multiple RNA polymerase B. Brodner OG, et al. **Biochemistry** 15(16):3480–4, 10 Aug 76

Spatial relationship of the sigma subunit and the rifampicin binding site in RNA polymerase of Escherichia coli. Wu CW, et al. **Biochemistry** 15(10):2097–104, 18 May 76

Temperature and salt effects on the formation of preinitiation complexes between RNA polymerase and phage DNA. Escarmis C, et al. **Biochim Biophys Acta** 402(2):261–9, 21 Aug 75

The nuclear DNA-dependent ribonucleic acid polymerases of the dermatophytic fungus Microsporum gypseum. Dill BC, et al. **Can J Microbiol** 22(2):177–81, Feb 76

Subunit composition of Escherichia coli RNA polymerase during transcription in vitro. Bordier C, et al. **Eur J Biochem** 65(1):147–53, 17 May 76

Interaction of RNA polymerase from Escherichia coli with DNA. Effect of temperature and ionic strength on selection of T7 DNA early promoters. Dausse JP, et al. **Eur J Biochem** 65(2):387–93, 1 Jun 76

Two forms of RNA polymerase B in yeast. Proteolytic conversion in vitro of enzyme BI into BII. Dezélée S, et al. **Eur J Biochem** 65(2):543–52, 1 Jun 76

On the kinetics of the rifampicin-RNA-polymerase complex. Differences between crude and purified enzyme fractions. Handschin JC, et al. **Eur J Biochem** 66(2):309–17, 1 JUL 76

The reconstitution of Anacystis nidulans DNA-dependent RNA polymerase from its isolated subunits. Herzfeld F, et al. **Eur J Biochem** 62(1):189–92, 2 Feb 76

Structural properties of Escherichia coli RNA polymerase Subunits. Lowe PA, et al. **Eur J Biochem** 64(1):177–88, 15 Apr 76

Stabilization of promoter complexes with a single ribonucleoside triphosphate. Nüsslein C, et al. **Eur J Biochem** 56(2):563–9, 15 Aug 75

Dissociation kinetics of complexes between the antibiotic rifamycin and DNA-dependent RNA polymerase from Escherichia coli. Stender W, et al. **Eur J Biochem** 65(2):333–9, 1 Jun 76

The study of DNA-RNA-polymerase complexes by kinetic formaldehyde method. Zarudnaya MI, et al. **Eur J Biochem** 63(2):607–15, 1 Apr 76

Fluorescence measurements on the formation of RNA polymerase—DNA complexes. Faerber P, et al. **FEBS Lett** 61(2):267–71, 15 Jan 76

Fractionation of plant chromatin with immobilized RNA-polymerase. Jalouzot R, et al. **FEBS Lett** 59(2):221–4, 15 Nov 75

Letter: Electronegative groups at C-3 of rifamycin S enhance its activity toward DNA-dependent RNA polymerase. Dampier MF, et al. **J Am Chem Soc** 97(21):6254–6, 15 Oct 75

Ribonucleic acid polymerase of germinating Bacillus cereus T. Hattori J, et al. **J Bacteriol** 124(1):542–9, Oct 75

Preparations and properties of ribonucleic acid polymerase from Acinetobacter calcoaceticus. Kleppe RK, et al. **J Bacteriol** 125(2):435–43, Feb 76

In vivo distribution of ribonucleic acid polymerase between cytoplasm and nucleoid in Escherichia coli. Rünzi W, et al. **J Bacteriol** 125(3):1237–9, Mar 76

Temperature-sensitive ribonucleic acid polymerase mutant of Salmonella typhimurium with a defect in the beta' subunit. Young BS, et al. **J Bacteriol** 127(3):1292–7, Sep 76

Structural studies on yeast RNA polymerases. Existence of common subunits in RNA polymerases A(I) and B(II). Buhler JM, et al. **J Biol Chem** 251(6):1712–7, 25 Mar 76

Transcription of DNA and chromatin with calf thymus RNA polymerase B in vitro. Cedar H. **J Mol Biol** 95(2):257–69, 25 Jun 75

Influence of receptor complexes on the properties of prostate chromatin, including its transcription by RNA polymerase. Mainwaring WI, et al. **J Steroid Biochem** 6(3–4):475–81, Mar–Apr 75

Uukuniemi virus contains an RNA polymerase. Ranki M, et al. **J Virol** 16(6):1420–5, Dec 75

Identification of a mutation within the structural gene for the a subunit of DNA–dependent RNA polymerase of E. coli. Fujiki H, et al. **Mol Gen Genet** 145(1):19–22, 23 Apr 76

Crystallisation of DNA–dependent RNA polymerase from Thermus thermophilus HB 8. Tsuji S, et al. **Nature** 261(5562):725–6, 24 Jun 76

Molecular structure of yeast RNA polymerase III: demonstration of the tripartite transcriptive system in lower eukaryotes. Valenzuela P, et al.
Proc Natl Acad Sci USA 73(4):1024–8, Apr 76

Preparation and characterisation of a subviral particle of vaccinia virus containing the DNA–dependent RNA polymerase activity. McCrae MA, et al. **Virology** 68(1):234–44, Nov 75

Characterization of transcriptase and replicase particles isolated from reovirus–infected cells. Morgan EM, et al. **Virology** 68(2):455–66, Dec 75

[Free and template–bound RNA polymerase in normal and leukaemic human lymphocytes (author's transl)] Garbrecht M, et al. **Klin Wochenschr** 54(5):235–7, 1 Mar 76 (Eng. Abstr.) **(Ger)**

[Effect of mutant RNA polymerase on spontaneous mutagenesis in bacteriophage T4] Iaroslavtseva NG, et al. **Genetika** 11(11):52–7, 1975 (Eng. Abstr.) **(Rus)**

[Conditions for specific oligoribonucleotide binding with E. coli RNA–polymerase] Efimova LI, et al.
Mol Biol (Mosk) 10(2):378–85, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[A comparison of bacterial RNA–polymerase RNA synthesis on polytene Drosophila chromosomes with transcription in living cells] Leibovich BA, et al. **Ontogenez** 5(6):544–56, 1974 (Eng. Abstr.) **(Rus)**

[A comparison of bacterial RNA–polymerase RNA synthesis on polytene Drosophila chromosomes with transcription in living cells] Leibovich BA, et al. **Ontogenez** 5(6):544–56, 1974 (Eng. Abstr.) **(Rus)**

ANALYSIS

A rapid and accurate procedure for assaying DNA polymerase, RNA polymerase, or ribosome dependent protein synthesis. Weinstein BI, et al. **Anal Biochem** 68(1):62–9, Sep 75

Host and virus specific RNA polymerases in alfalfa mosaic virus infected tobacco. Bol JF, et al.
Ann Microbiol (Paris) 127A(1):183–92, Jan 76

Isolation and properties of the transcription complex of Escherichia coli RNA polymerase. Naito S, et al.
Biochim Biophys Acta 402(1):88–104, 6 Aug 75

DNA–dependent RNA–polymerases from Artemia embryos. characterization of polymerases I and II from nauplius larvae. Birndorf HC, et al. **Dev Biol** 45(1):34–43, Jul 75

Alterations in DNA–dependent RNA polymerase activity during the development of the tobacco hornworm, Manduca sexta. Sridhara S, et al. **Dev Biol** 45(1):7–20, Jul 75

On the occurrence of DNA dependent RNA polymerase C in mammalian cells. pp. 313–23. Seifart KH, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

Peptide analysis of RNA polymerase alpha subunit from Escherichia coli: comparison of free with assembled form. Taketo M, et al. **Mol Gen Genet** 145(3):311–6, 15 Jun 76

DNA–dependent RNA polymerases from Artemia salina. Subunit structure of polymerase II. Bagshaw JC.
Nucleic Acids Res 3(6):1449–61, Jun 76

Solubilized nuclear DNA–dependent RNA polymerases from normal rat mammary glands and from transplantable R–35 rat mammary tumors. Anderson KM, et al. **Oncology** 31(5–6):338–56, 1975

Dissociation of two polypeptide chains from yeast RNA polymerase A. Huet J, et al. **Proc Natl Acad Sci USA** 72(8):3034–8, Aug 75

[Template activity of chromatin and DNA–dependent RNA polymerase III during postnatal development (author's transl)] van der Meulen N, et al. **Klin Wochenschr** 54(9):449–50, 1 May 76 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

The use of dextran–coated charcoal for kinetic measurements: interaction between rifampicin and DNA–dependent RNA polymerase of Escherichia coli. Wyss E, et al.
Anal Biochem 70(2):547–53, Feb 76

Effect of cordycepin triphosphate on the nuclear DNA–dependent RNA polymerases and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. Horowitz B, et al. **Arch Biochem Biophys** 172(1):143–8, Jan 76

Mechanism of ethidium bromide inhibition of RNA polymerase. Aktipis S, et al.
Biochem Biophys Res Commun 68(2):465–70, 26 Jan 76

Dormant spores of Bacillus thuringiensis contain an inhibition of RNA polymerase. Iandolo JJ, et al.
Biochem Biophys Res Commun 69(1):237–44, 8 Mar 76

Glycerol inhibition of purified and chromatin–associated mouse liver hepatoma RNA polymerase II activity. Smith RJ, et al. **Biochem Biophys Res Commun** 67(3):916–23, 1 Dec 75

The mechanism of inhibition of ribonucleic acid synthesis by 8–hydroxyquinoline and the antibiotic lomofungin. Fraser RS, et al. **Biochem J** 147(3):401–10, Jun 75

Inactivation of rat liver RNA polymerases I and II and yeast RNA polymerase I by pyrodixal 5'–phosphate. Evidence for the participation of lysyl residues at the active site. Martial J, et al. **Biochemistry** 14(22):4907–11, 4 Nov 75

Mechanism of inhibition of RNA polymerase II and poly(adenylic acid) polymerase by the O–n–octyloxime of 3–formylrifamycin SV. Rose KM, et al. **Biochemistry** 14(16):3598–604, 12 Aug 75

On the mode of action of lomofungin, an inhibitor of RNA synthesis in yeast. Ruet A, et al. **Biochemistry** 14(21):4651–8, 21 Oct 75

Characterization of an inhibitor causing potassium chloride sensitivity of an RNA polymerase from T4 phage–infected Escherichia coli. Stevens A, et al. **Biochemistry** 14(23):5074–9, 18 Nov 75

Nuclear ribonucleoproteins as inhibitors of mammalian RNA polymerase. Stewart LE, et al. **Biochim Biophys Acta** 425(3):322–33, 17 Mar 76

Inhibition of rat liver RNA polymerases by action of the methylating agents dimethylnitrosamine in vivo and methyl methanesulfonate in vitro. Herzog J, et al. **Cancer Res** 36(5):1761–70, May 76

Inhibition of mammalian and oncornavirus nucleic acid polymerase activities by alkoxybenzophenanthridine alkaloids. Sethi VS. **Cancer Res** 36(7 PT 1):2390–5, Jul 76

Cut off proteins of FV 3 : their effect on transcription. pp. 347–53. Aubertin AM, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Effect of the rifamycin dimers on the activities of nucleic acid polymerases from various sources. Relation between lipophily and toxicity. Talpaert–Borlé M, et al.
J Antibiot (Tokyo) 28(8):580–9, Aug 75

Inhibition by aurintricarboxylic acid and polyethylene sulfonate of RNA transcription of vesicular stomatitis virus. Hunt DM, et al. **J Virol** 16(5):1146–53, Nov 75

Inhibition of RNA polymerase as a possible anti–leukaemic action of cytosine arabinoside. Chuang RY, et al.
Nature 260(5551):549–50, 8 Apr 76

Studies on an RNA polymerase inhibitor derived from aflatoxin B1. Akinrimisi EO.
West Afr J Pharmacol Drug Res 1(1):18–23, Jan 74

[Genetic study of mutations changing the dominance of alleles of sensitivity of Escherichia coli K–12 RNA polymerase to rifampicin and streptolydigin] Mindlin SZ, et al. **Genetika** 9(12):84–94, Dec 73 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The relationships among RNA synthesis, RNA polymerase synthesis and guanosine tetraphosphate levels in Escherichia coli during nutritional shift–up. Boyle SM, et al. **Arch Biochem Biophys** 172(1):215–23, Jan 76

Control of enzyme synthesis and stability during sporulation in Saccharomyces cerevisiae. Klar AJ, et al. **Biochimie** 58(1–2):219–24, 1976

Enhancement of hydroxyindole–O–methyltransferase and DNA–dependent RNA polymerase activities induced by oestradiol in rat pineals in culture. Mizobe F, et al.
Eur J Biochem 66(1):193–9, 15 Jun 76

Wild–type and mutant in vitro products of an operon for ribonucleic acid polymerase subunits. Austin S.
J Bacteriol 127(1):32–9, Jul 76

Bacterial sporulation and regulation of dihydrodipicolinate synthase in ribonucleic acid polymerase mutants of Bacillus subtilis. Hoganson DA, et al. **J Bacteriol** 124(3):1628–9, Dec 75

Altered nutritional requirements associated with mutations affecting the structures of ribonucleic acid polymerase in Lactobacillus casei. Morishita T, et al. **J Bacteriol** 125(2):416–22, Feb 76

Proceedings: Control of RNA polymerase synthesis in Escherichia coli. Ishihama A. **J Biochem (Tokyo)** 79(4):33P–34P, Apr 76

Regulatory gene 28 of bacteriophage SPO1 codes for a phage–induced subunit of RNA polymerase. Fox TD, et al. **J Mol Biol** 101(3):427–33, 5 Mar 76

Biosynthesis of RNA polymerase in Escherichia coli. III. Identification of intermediates in the assembly of RNA polymerase. Ito K, et al. **J Mol Biol** 96(2):257–71, 5 Aug 75

Evidence for a positive regulation of RNA polymerase synthesis in Escherichia coli. Nakamura Y, et al.
J Mol Biol 97(4):621–42, 5 Oct 75

Bacteriophage T7 early promoters: nucleotide sequences of two RNA polymerase binding sites. Pribnow D.
J Mol Biol 99(3):419–43, 15 Dec 75

Subunits of RNA polymerase in function and structure. VI. Sequence of the assembly in vitro of Escherichia coli RNA polymerase. Saitoh T, et al. **J Mol Biol** 104(3):621–35, 5 Jul 76

Biosynthesis of RNA polymerase in Escherichia coli. IV. Accumulation of intermediates in mutants defective in the subunit assembly. Taketo M, et al. **J Mol Biol** 102(2):297–310, 5 Apr 76

Parameters affecting the rate of synthesis of ribosomes and RNA polymerase in bacteria. Bremer H. **J Theor Biol** 53(1):115–24, Sep 75

RNA– temperature–sensitive mutants of vesicular stomatitis virus: L–protein thermosensitivity accounts for transcriptase restriction of group I mutants. Hunt DM, et al. **J Virol** 18(2):596–603, May 76

The influence of mutations upon the synthesis of RNA polymerase subunits in Escherichia coli cells. Dmitriev AD, et al. **Mol Gen Genet** 145(3):317–26, 15 Jun 76

Biosynthesis of Escherichia coli RNA polymerase subunits upon release of rifampicin inhibition. Engbaek F, et al.
Mol Gen Genet 143(3):297–9, 2 Feb 76

Induction of RNA polymerase synthesis in Escherichia coli. Glass RE, et al. **Mol Gen Genet** 143(1):79–83, 30 Dec 75

Biosynthesis of RNA polymerase in Escherichia coli. II. control of RNA polymerase synthesis during nutritional shift up and down. Iwakura Y, et al. **Mol Gen Genet** 142(1):67–84, 23 Dec 75

Hyperproduction of the sigma subunit of RNA polymerase in a mutant of Escherichia coli. Nakamura Y, et al.
Mol Gen Genet 141(2):97–111, 24 Nov 75

Rifampicin–induced protein synthesis: A pre–requisite for increased expression of the beta beta' operon in Escherichia coli. Tittawella PB. **Mol Gen Genet** 146(1):79–83, 5 July 76

Identification of a gene for the alpha–subunit of RNA polymerase at the str–spc region of the Escherichia coli chromosome. Jaskunas SR, et al.
Proc Natl Acad Sci USA 72(12):5036–40, Dec 75

Cluster of genes in Escherichia coli for ribosomal proteins, ribosomal RNA, and RNA polymerase subunits. Lindahl L, et al. **Proc Natl Acad Sci USA** 72(7):2743–7, Jul 75

A class of rifR RNA polymerase mutations that interferes with the expression of coliphage lambda late gene. Sternberg N. **Virology** 73(1):139–54, Aug 76

BLOOD

Ribosome bound RNA–dependent RNA polymerase: changes in total and specific activity during maturation of avian erythrocytes. Boyd CD, et al.
Biochem Biophys Res Commun 67(3):1210–8, 1 Dec 75

CLASSIFICATION

Systematic nomenclature for the RNA polymerase genes of prokaryotes. Hayward RS, et al. **Nature** 260(5552):646–8, 15Apr 76

IMMUNOLOGY

Antibody directed against Bacillus subtilis rho factor purified by sodium dodecyl sulfate slab gel electrophoresis. Effect on transcription by RNA polymerase in crude extracts of vegetative and sporulating cells. Tjian R, et al.
J Biol Chem 250(22):8824–8, 25 Nov 75

ISOLATION & PURIFICATION

Proceedings: RNA polymerase from tobacco necrosis virus infected an uninfected tobacco: purification of the membrane–associated enzyme and of the Y strain of TNV and its satellite. Fraenkel–Conrat H.
Ann Microbiol (Paris) 127A(1):115–6, Jan 76

Contemporaneous isolation of deoxyribonucleic acid–dependent ribonucleic acid polymerase and poly(A) polymerase from rat liver mitochondria. Gallerani R, et al. **Biochem J** 157(2):295–300, 1 Aug 76

A procedure for the rapid, large–scall purification of Escherichia coli DNA–dependent RNA polymerase involving Polymin P precipitation and DNA–cellulose chromatography. Burgess RR, et al. **Biochemistry** 14(21):4634–8, 21 Oct 75

A new method for the large–scale purification of wheat germ DNA–dependent RNA polymerase II. Jendrisak JJ, et al.
Biochemistry 14(21):4639–45, 21 Oct 75

HeLa cell deoxyribonucleic acid dependent RNA polymerases: function and properties of the class III enzymes. Weil PA, et al. **Biochemistry** 15(7):1500–9, 6 Apr 76

Purification and characterization of RNA polymerase I from a higher plant. Guilfoyle TJ, et al.
Biochim Biophys Acta 418(3):344–57, 5 Feb 76

Purification, analysis, and subunits of myeloma (MOPC 21) DNA–dependent RNA polymerase A (1) by polyriboadenylate–sepharose. Hall SH, et al. **Cancer Res** 36(3):1094–1100, Mar 76

Animal DNA–dependent RNA polymerases. Purification and molecular structure of hen–oviduct and liver class–B RNA polymerases. Krebs G, et al. **Eur J Biochem** 61(1):15–25, 2 Jan 76

Rapid isolation of highly active RNA polymerase from Escherichia coli and its subunits by matrix–bound heparin. Sternbach H, et al. **Eur J Biochem** 60(1):51–5, 1 Dec 75

Isolation and partial characterization of a nuclear RNA polymerase – SV40 DNA complex. Gariglio P, et al.
FEBS Lett 56(1):149–55, 1 Aug 75

Mitochondrial DNA–dependent RNA polymerases. pp. 267–73. Wintersberger E, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

A novel adenosine triphosphatase isolated from RNA polymerase preparations of Escherichia coli. I. Copurification and separation. Ishihama A, et al.
J Biochem (Tokyo) 79(5):917–25, May 76

RNA polymerase from sporulating Bacillus subtilis. Purification and properties of a modified form of the

enzyme containing two sporulation polypeptides. Linn T, et al. **J Biol Chem** 250(24):9256–61, 25 Dec 75

Purification and subunit structure of deoxyribonucleic acid–dependent ribonucleic acid polymerase III from the mouse plasmacytoma, MOPC 315. Sklar VE, et al. **J Biol Chem** 251(4):1064–73, 25 Feb 76

Purification and subunit structure of deoxyribonucleic acid–dependent ribonucleic acid polymerase III from the posterior silk gland of Bombyx mori. Sklar VE, et al. **J Biol Chem** 251(12):3794–800, 25 Jun 76

Yeast DNA–dependent RNA polymerase I. A rapid procedure for the large scale purification of homogeneous enzyme. Valenzuela P, et al. **J Biol Chem** 251(5):1464–70, 10 Mar 76

DNA–dependent RNA polymerases from yeasts. Ponta H, et al. **Methods Cell Biol** 12:65–76, 1975

Isolation of two forms of SV40 nucleoprotein containing RNA polymerase from infected monkey cells. Green MH, et al. **Virology** 72(1):110–20, 1 Jul 76

[Solubilization of a viro–specific RNA polymerase activity by treatment with detergents from extracts of barley leaves infected by brome mosaic virus] Kummert J, et al. **Arch Int Physiol Biochim** 83(5):979–80, Dec 75 **(Fre)**

[Chromatographic separation of DNA–dependent RNA–polymerase and of poly (A) polymerase from rat liver mitochondria] Gallerani R, et al. **Boll Soc Ital Biol Sper** 51(19):1349–55, 15 Oct 75 **(Ita)**

[A simple preparative method for the isolation of E. coli RNA polymerase] Malygin AG, et al. **Mol Biol** 8(6):845–9, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

METABOLISM

A comparative study of DNA–dependent RNA polymerases from rat ascites hepatoma cell nuclei and from rat liver nuclei. Misumi H. **Acta Med Okayama** 29(6):405–12, Dec 75

Bacillus subtilis RNA polymerase and its modification in sporulating and phage–infected bacteria. Losick R, et al. **Adv Enzymol** 44:165–85, 1976 (63 ref.)

The effects of protein–steroid complexes on canine prostatic RNA polymerase. Evans CR, et al. **Andrologia** 8(2):83–5, 1976

Evaluation of the techniques used for investigating the in vitro synthesis of bromegrass mosaic virus RNA. Semal J, et al. **Ann Microbiol (Paris)** 127A(1):153–8, Jan 76

Transcription in vitro of Ehrlich ascites tumor DNA and chromatin by purified homologous RNA polymerase II (or B). Chan JY, et al. **Arch Biochem Biophys** 173(2):564–76, Apr 76

Transcription of chromatin by an RNA polymerase of calf thymus which is sensitive to high concentrations of alpha–amanitin. Keshgegian AA, et al. **Arch Biochem Biophys** 169(2):545–54, Aug 75

Inhibition of eukaryotic DNA–dependent RNA polymerase release from isolated nuclei and nucleoli by phenylmethylsulfonylfluoride. Lindell TJ. **Arch Biochem Biophys** 171(1):268–75, Nov 75

Increases in the activity of the solubilized rat liver nuclear RNA polymerases following partial hepatectomy. Organtini JE, et al. **Arch Biochem Biophys** 170(2):485–91, Oct 75

Effect of immunization on the RNA polymerase activity of guinea–pig macrophage nuclei. Went M, et al. **Arch Dermatol Res** 255(3):259–63, 21 Jun 76

RNA synthesis and RNA polymerase activity in hepatic nuclei isolated from rats fed the carcinogen 2–acetylaminofluorene. Adams MP, et al. **Biochem Biophys Res Commun** 68(3):850–7, 9 Feb 76

Specificity of RNA chain initiation by bacteriophage T7–induced RNA polymerase. Bishayee S, et al. **Biochem Biophys Res Commun** 68(2):626–33, 26 Jan 76

Cyclic GMP and lymphocyte proliferation: effects on DNA–dependent RNA polymerase I and II activities. Johnson LD, et al. **Biochem Biophys Res Commun** 66(4):1498–505, 27 Oct 75

Diguanosine nucleotides of fungi that regulate RNA polymerases isolated and partially characterised. LéJohn HB, et al. **Biochem Biophys Res Commun** 66(2):460–7, 16 Sep 75

Phosphorylated guanosine derivatives of eukaryotes: regulation of DNA–dependent RNA polymerases I, II, and III in fungal development. McNaughton DR, et al. **Biochem Biophys Res Commun** 66(2):468–74, 16 Sep 75

Coding capacity of the transcript products synthesized in vitro by the RNA polymerases from Bacillus thuringiensis. Rain–Guion MC, et al. **Biochem Biophys Res Commun** 70(3):709–16, 7 Jun 76

RNA polymerase activity in double–stranded ribonucleic acid virus particles from Aspergillus foetidus. Ratti G, et al. **Biochem Biophys Res Commun** 66(2):706–11, 16 Sep 75

Evidence for a cryptic RNA polymerase activity in DNA–free minicells of Escherichia coli. Rogerson AC. **Biochem Biophys Res Commun** 66(2):665–70, 16 Sep 75

The 24,000 dalton subunit and the activity of yeast RNA polymerases. Valenzuela P, et al. **Biochem Biophys Res Commun** 71(1):26–31, 12 Jul 76

Comparative effects of estradiol–17beta and estriol on uterine RNA polymerases I, II, and III in vivo. Webster RA, et al. **Biochem Biophys Res Commun** 69(3):737–43, 5 Apr 76

Evidence for two alpha–amanitin–resistant RNA polymerases in vegetative amoebae of Dictyostelium discoideum. Yagura T, et al. **Biochem Biophys Res Commun** 68(1):183–9, 12 Jan 76

Regulatory state of ribosomal genes and physiological changes in the concentration of free ribonucleic acid polymerase in Escherichia coli. Bremer H, et al. **Biochem J** 150(1):9–12, Jul 75

The relationship between the deoxyribonucleic acid–bound and low–molecular–weight soluble forms of Halobacterium cutirubrum deoxyribonucleic acid–dependent ribonucleic acid polymerase. Fitt PS, et al. **Biochem J** 149(3):719–24, Sep 75

The early enhancement of rat liver deoxyribonucleic acid–dependent ribonucleic acid polymerase II activity by tri–iodothyronine. Jothy S, et al. **Biochem J** 150(1):133–5, Jul 75

Substrate–binding ability of Escherichia coli ribonucleic acid polymerase in relation to its protein composition. Rognes A, et al. **Biochem J** 153(1):55–62, 1 Jan 76

Growth hormone and drug metabolism. Acute effects on nuclear ribonucleic acid polymerase activity and chromatin. Spelsberg TC, et al. **Biochem J** 154(2):439–48, 15 Feb 76

Nuclear binding of progesterone in chick oviduct. Multiple binding sites in vivo and transcriptional response. Spelsberg TC. **Biochem J** 156(2):391–8, 15 May 76

Possibilities for intracellular integration: The ribonucleic acid polymerases of chloroplasts and nuclei, and genes specifying chloroplast ribosomal proteins. Bogorad L, et al. **Biochem Soc Symp** (38):17–41, 1973

Control of ribonucleic acid polymerase A activity during lymphocyte activation by phytohaemagglutinin. Kay JE, et al. **Biochem Soc Trans** 3(4):544–5, 1975

The renaturation of subunits and subunit fragments of escherichia coli ribonucleic acid polymerase. Lowe PA, et al. **Biochem Soc Trans** 3(5):652–3, 1975

DNA–dependent RNA polymerase from the thermophilic bacterium Caldariella acidophila. Purification and basic properties of the enzyme. Cacace MG, et al. **Biochemistry** 15(8):1692–6, 20 Apr 76

Stimulation of ascites tumor RNA polymerase II by protein kinase. Dahmus ME. **Biochemistry** 15(9):1821–9, 4 May 76

RNA polymerase activity and uterine growth: Differential stimulation by estradiol, estriol, and nafoxidine. Hardin JW, et al. **Biochemistry** 15(7):1370–4, 6 Apr 76

Transcription of fractionated calf thymus chromatin by RNA polymerase of calf thymus and Escherichia coli. Henner D, et al. **Biochemistry** 14(21):4764–71, 21 Oct 75

DNA–dependent RNA polymerases I and II from kidney. Effect of polyamines on the in vitro transcription of DNA and chromatin. Jänne O, et al. **Biochemistry** 14(16):3589–97, 12 Aug 75

On the role of sulfhydryl groups in the structure and function of the Azotobacter vinelandii RNA polymerase. Krakow JS. **Biochemistry** 14(20):4522–7, 7 Oct 75

Nucleic acid polymerizing enzymes in developing Strongylocentrotus franciscanus embryos. Morris PW, et al. **Biochemistry** 15(14):3106–13, 13 Jul 76

T7 RNA polymerase: conformation, functional groups, and promotor binding. Oakley JL, et al. **Biochemistry** 14(21):4684–91, 21 Oct 75

Conformational transition of Escherichia coli RNA polymerase induced by the interaction of sigma subunit with core enzyme. Wu FY, et al. **Biochemistry** 15(15):3254–8, 27 Jul 76

DNA–directed RNA polymerase from HeLa cells. Isolation, characterization and cell–cycle distribution of three enzymes. Benecke BJ, et al. **Biochim Biophys Acta** 414(1):44–58, 18 Nov 75

Purification and properties of the RNA polymerase of an extremely thermophilic bacterium: Thermus aquaticus T2. Fábry M, et al. **Biochim Biophys Acta** 435(3):228–35, 2 Jul 76

Purification and properties of DNA–dependent RNA polymerase from Mycobacterium tuberculosis H37RV. Harshey RM, et al. **Biochim Biophys Acta** 432(1):49–59, 15 Apr 76

Levels of RNA polymerases during the mitotic cycle of Physarum polycephalum. Hildebrandt A, et al. **Biochim Biophys Acta** 425(3):316–21, 17 Mar 76

Stimulation of RNA polymerases I, II and III from rat liver by spermine, and specific inhibition of RNA polymerase I by higher spermine concentrations. Jacob ST, et al. **Biochim Biophys Acta** 425(1):125–8, 18 Feb 76

Early androgen action in kidney of normal and androgen–insensitive (tfm/y) mice. Changes in RNA polymerase and chromatin template activities. Jänne O, et al. **Biochim Biophys Acta** 418(3):330–43, 5 Feb 76

RNA polymerases from a rat hepatoma. Partial purification and comparison of properties with corresponding liver enzymes. Rose KM, et al. **Biochim Biophys Acta** 432(1):60–72, 15 Apr 76

Hormonal control of transcription in higher plants. Teissere M, et al. **Biochim Biophys Acta** 402(3):391–402, 1 Sep 75

Further characterization of yeast RNA polymerases. Effect of subunits removal. Huet J, et al. **Biochimie** 58(1–2):71–80, 1976

Changes in chick brain RNA polymerase associated with an imprinting procedure. Haywood J, et al. **Brain Res** 92(2):227–35, 11 Jul 75

Brain–specific effect of the S–100 protein on the RNA–polymerase I activity in isolated nuclei. Michetti F, et al. **Brain Res** 105(2):372–5, 26 Mar 76

Alterations in the transcriptional capacity of hepatic DNA–dependent RNA polymerase I and II by N–hydroxy–2–acetylaminofluorene. Glazer RI. **Cancer Res** 36(7 PT 1):2282–9, Jul 76

Quantitation of elongating form A and B RNA polymerases in chick oviduct nuclei and effects of estradiol. Cox RF. **Cell** 7(3):455–65, Mar 76

The virus–specified subunits of a modified B. subtilis RNA polymerase are determinants of DNA binding and RNA chain initiation. Duffy JJ, et al. **Cell** 8(4):595–604, Aug 76

Amino acid starvation affects the initiation frequency of nucleolar RNA polymerase. Grummt I, et al. **Cell** 7(3):439–45, Mar 76

The RNA polymerase II of an alpha–amanitin–resistant Chinese hamster ovary cell line. Lobban PE, et al. **Cell** 8(1):65–70, May 76

Low molecular weight viral RNAs transcribed by RNA polymerase III during adenovirus 2 infection. Weinmann R, et al. **Cell** 7(4):557–66, Apr 76

Mechanism of the inhibition of transcription by PR toxin, a mycotoxin from Penicillium roqueforti. Moulé Y, et al. **Chem Biol Interact** 14(3–4):207–16, Aug 76

In vitro transcription of adenovirus 2 DNA by E. coli RNA polymerase. Surzycki S, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:501–4, 1975

The transcriptional role of host DNA–dependent RNA polymerases in adenovirus–infected KB cells. Weinmann R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:495–9, 1975

DNA–dependent RNA polymerase from the hepatopancreas of Octopus vulgaris Lamarck. Taniguchi T, et al. **Comp Biochem Physiol [B]** 52(2):269–76, 15 Oct 75

Conservation of RNA polymerase during maturation of the Rana pipiens oocyte. Hollinger TG, et al. **Dev Biol** 51(1):86–97, 1 Jul 76

Selective activation of RNA polymerase I in fat body nuclei of Sarcophaga peregrina larvae by beta–ecdysone. Natori S. **Dev Biol** 50(2):395–401, Jun 76

Variations in the amounts of RNA polymerase forms I, II and III during preimplantation development in the mouse. Versteegh LR, et al. **Dev Biol** 46(2):430–5, Oct 75

Sequential stimulation of nuclear RNA polymerase activities in livers from thyroidectomized rats treated with triiodothyronine. Viarengo A, et al. **Endocrinology** 97(4):955–61, Oct 75

The use of mercurated nucleoside triphosphate as a probe in transcription studies in vitro. Beebee TJ, et al. **Eur J Biochem** 66(3):543–50, 15 Jul 76

Interaction of RNA polymerase from Escherichia coli with DNA. Analysis of T7 DNA early–promoter sites. Dausse JP, et al. **Eur J Biochem** 57(2):569–78, 15 Sep 75

Mechanism of action of rifamazine, a member of a new class of (dimeric) rifamycins. Fietta AM, et al. **Eur J Biochem** 52(2):391–400, 17 Mar 75

The interdependence of magnesium with spermidine and phosphoenolpyruvate in an enzyme–synthesizing system in vitro. Fuchs E. **Eur J Biochem** 63(1):15–22, 16 Mar 76

RNA polymerase B from Drosophila melanogaster larvae. Purification and partial characterization. Greenleaf AL, et al. **Eur J Biochem** 60(1):169–79, 1 Dec 75

Initiation of transcription within an RNA–polymerase binding site. Heyden B, et al. **Eur J Biochem** 55(1):147–55, 16 Jun 75

Animal DNA–dependent RNA polymerases. Partial purification and properties of three classes of RNA polymerases from uninfected and adenovirus–infected HeLa cells. Hossenlopp P, et al. **Eur J Biochem** 58(1):237–51, 1 Oct 75

Functional hybrid enzymes reconstituted from Escherichia coli and Serratia marcescens RNA polymerase subunits. Konze–Thomas B, et al. **Eur J Biochem** 63(2):321–9, 1 Apr 76

DNA–dependent RNA polymerase C from Xenopus laevis ovaries. Ability to transcribe intact double–stranded DNA. Long E, et al. **Eur J Biochem** 66(2):269–75, 1 JUL 76

A simple method for measuring specific radioactivities of ribonucleoside triphosphates using RNA polymerase. Maxson RE, et al. **Eur J Biochem** 62(3):551–4, 1 Mar 76

ADP–ribosylation of DNA–dependent RNA polymerase of Escherichia coli by an NAD+: protein ADP–ribosyltransferase from bacteriophage T4. Rohrer H, et al. **Eur J Biochem** 60(1):227–38, 1 Dec 75

Synthesis of mitochondrial proteins in an Escherichia coli cell–free system directed by yeast mitochondrial DNA. Scragg AH, et al. **Eur J Biochem** 56(1):183–92, 1 Aug 75

Variable stabilities and recoveries of rat–liver RNA polymerases A and B according to growth status of the tissue. Shields D, et al. **Eur J Biochem** 64(2):471–80, 1 May 76

The modification of DNA–dependent RNA polymerase from Escherichia coli by an alkylating derivative of rifamycin SV. Stender W, et al. **Eur J Biochem** 56(1):129–36, 1 Aug 75

Effects of the carcinogen urethane on nuclear RNA polymerase activities. Eker P. **Eur J Cancer** 11(7):493–7, Jul 75

Activity of the endogenous RNA polymerase on fixed polytene chromosomes. Pagés M, et al. **Exp Cell Res** 98(1):120–6, 1 Mar 76

Thermophilicity and thermostability of RNA polymerases from two strains of Caldariella acidophila, an extremely thermo–acidophilic bacterium. Cacace MG, et al. **Experientia** (26):363–73, 1976

Early glucocorticoid–dependent stimulation of RNA polymerase B in rat thymus cells. Borthwick NM, et al. **FEBS Lett** 60(2):396–9, 15 Dec 75

Multiple forms of a eukaryotic RNA polymerase II stimulation factor. Dahmus ME. **FEBS Lett** 61(2):227–30,

15 Jan 76

The incorporation of GMP-residues from GTP into the polynucleotide fraction during poly-U directed poly-A synthesis catalyzed by E. coli RNA polymerase. Denisova LY, et al. **FEBS Lett** 56(1):92-5, 1 Aug 75

Transcription of circular, single-stranded DNA by maize RNA polymerase II. Gardner CO, et al. **FEBS Lett** 63(1):205-8, 15 Mar 76

Subunit SA3 is not mandatory for the activity of calf thymus DNA-dependent RNA polymerase AI. Gissinger F, et al. **FEBS Lett** 58(1):53-6, 15 Oct 75

Effect of cadmium on RNA-polymerase and protein sythesis in rat liver. Hidalgo HA, et al. **FEBS Lett** 64(1):159-62, 15 Apr 76

Yeast RNA-polymerase B: A zinc protein. Lattke H, et al. **FEBS Lett** 65(3):288-92, 15 Jun 76

A factor stimulating RNA polymerase I having elongation activity. Nagamine Y, et al. **FEBS Lett** 67(2):198-201, 15 Aug 76

Location of endogenous RNA polymerase B in a sub-fraction of rat liver chromatin. Pays E, et al. **FEBS Lett** 61(2):166-70, 15 Jan 76

Origin of the mitochondrial RNA polymerase of yeast. Scragg AH. **FEBS Lett** 65(2):148-51, 1 Jun 76

The effect of estradiol on the activity of the nucleolar and nucleoplasmic RNA polymerases from chicken liver. Weckler C, et al. **FEBS Lett** 65(2):220-4, 1 Jun 76

Net synthesis of short RNA chains by E. coli RNA polymerase at low pH. Wienand U, et al. **FEBS Lett** 59(1):113-6, 1 Nov 75

Selective binding of oligoribonucleotides by E. coli RNA polymerase and their effect on DNA-dependent RNA synthesis. Yefimova LY, et al. **FEBS Lett** 58(1):359-62, 15 Oct 75

Influenza of age on chromatin transcription in murine tissues using a heterologous and an homologous RNA polymerase. Hill BT. **Gerontology** 22(3):111-23, 1976

Hormonal effects in vitro on prostatic RNA polymerase and DNA polymerase activity. pp. 328-48. Davies P, et al.

In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Does hormone transfer along the vasa deferentia contribute to the control of prostatic function and could it be a factor in the etiology of prostatic hyperplasia? pp. 517-29. Pierrepoint CG.

In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Structural properties and template requirements of yeast RNA polymerases. pp. 289-302. Buhler JM, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Free and template-bound forms of eucaryotic DNA-dependent RNA polymerases. pp. 303-11. Butterworth PH, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Interactions of Escherichia coli RNA polymerase and its substrates. Biochemical and biophysical studies. pp. 253-66. Jovin TM, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Fidelity of transcription of nucleolar chromatin with different RNA polymerases. pp. 325-20. Muramatsu M, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Tight binding of RNA polymerase to the promoter of rRNA genes in E. coli. pp. 377-83. Udvardy A, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Transcription of adenovirus-2 DNA by HeLa cell DNA-dependent RNA polymerases. pp. 275-88. Wells D, et al.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

On the role of RNA polymerase subunits in RNA-synthesis and the gross regulation of transcription by specific modifications of RNA polymerase subunits. pp. 239-51. Zillig W.

In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Light-induced changes in the plastid RNA polymerase activity of greening maize. pp. 135-8. Apel K, et al.

In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Corticosteroid-induced changes in RNA polymerases, poly-A polymerase, and chromatin activity in rat liver. pp. 369-78. Jacob ST, et al.

In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

RNA polymerase activity of Amsacta moorei entomopox virions. McCarthy WJ, et al. **Intervirology** 5(1-2):69-75, 1975

On the role of polyamines in the DNA-dependent RNA polymerase reaction. Barbiroli B, et al. **Ital J Biochem** 25(1):56-69, Jan-Feb 76 (42 ref.)

Nucleolar and nucleoplasmic RNA polymerase activity in different regions of rat brain during postnatal development. Giuffrida AM, et al. **Ital J Biochem** 24(5):288-307, Sep-Oct 75

Evolution of the transcription complex during sporulation of Bacillus subtilis. Brevet J. **J Bacteriol** 125(1):74-83, Jan 76

Nucleic acid synthesis and ribonucleic acid polymerase specificity in germinating and outgrowing spores of Bacillus subtilis. Buu A, et al. **J Bacteriol** 124(1):190-200, Oct 75

Enhanced transformability with heterospecific deoxyribonucleic acid in a Streptococcus sanguis mutant impaired in ribonucleic acid polymerase activity. Raina JL, et al. **J Bacteriol** 127(1):380-91, Jul 76

Thermosensitive mutations affecting ribonucleic acid polymerases in Saccharomyces cerevisiae. Thonart P, et al. **J Bacteriol** 125(1):25-32, Jan 76

Purification and some properties of DNA-dependent RNA polymerase from an extreme thermophile, Thermus thermophilus HB8. Date T, et al. **J Biochem (Tokyo)** 78(4):845-58, October 75

Studies on a thermophilic RNA polymerase which is active only on poly d(A-T) and poly dAdT. Date T, et al. **J Biochem (Tokyo)** 78(5):955-67, Nov 75

R17 RNA replicase. VI. A large scale preparation of R17 template RNA. Igarashi S. **J Biochem (Tokyo)** 77(6):1271-5, Jun 75

R17 RNA replicase. V. Rifamycin sensitivity of R17 RNA synthesis in vivo. Igarashi SJ, et al. **J Biochem (Tokyo)** 77(6):1261-9, Jun 75

Mechanism of polyadenylate-polyuridylate synthesis by RNA polymerase holoenzyme II of Escherichia coli. Iwakura Y. **J Biochem (Tokyo)** 79(1):61-8, Jan 76

Comparative studies on polyguanylate polymerase and polyadenylate polymerase activities in the DNA-dependent RNA polymerase I fraction from cauliflower. Mizuochi T, et al. **J Biochem (Tokyo)** 79(1):53-60, Jan 76

DNA dependent RNA polymerase from Ehrlich ascites tumor cells. V. Characterization of a factor repressing RNA polymerase II as a ribonucleoprotein. Natori S, et al. **J Biochem (Tokyo)** 77(6):1319-23, Jun 75

In vitro synthesis of transfer RNA. II. Identification of required enzymatic activities. Bikoff EK, et al. **J Biol Chem** 250(16):6248-55, 25 Aug 75

Effect of estradiol on rat uterus DNA-dependent RNA polymerases. Studies on solubilized enzymes. Courvalin JC, et al. **J Biol Chem** 251(16):4843-9, 25 Aug 76

Phosphorylation of rat liver ribonucleic acid polymerase I by nuclear protein kinases. Hirsch J, et al. **J Biol Chem** 251(17):5408-13, 10 Sep 76

Alpha-Amanitin resistance of RNA polymerase II in mutant Chinese hamster ovary cell lines. Ingles CJ, et al. **J Biol Chem** 251(9):2729-34, 10 May 76

Function and structure of RNA polymerase from vesicular stomatitis virus. Naito S, et al. **J Biol Chem** 251(14):4307-14, 25 Jul 76

Kinetic analysis of ribonucleic acid chain initiation by Escherichia coli Ribonucleic acid polymerase bound to DNA. Rhodes G, et al. **J Biol Chem** 250(23):9112-20, 10 Dec 75

Effect of estrogen on gene expression in the chick oviduct. Tsai MJ, et al. **J Biol Chem** 241(7):1960-8, 10 Apr 76

Sequential activation of splenic nuclear RNA polymerases by erythropoietin. Piantadosi CA, et al. **J Clin Invest** 57(1):20-6, Jan 76

The RNA polymerase activity of the preimplantation mouse embryo. Moore GP. **J Embryol Exp Morphol** 34(2):291-8, Oct 75

Translational Mapping of Bacteriophage T7 RNAs synthesized in vitro by purified T7 RNA polymerase. Niles EG, et al. **J Mol Biol** 98(1):57-67, 15 Oct 75

On the fidelity of transcription by Escherichia coli ribonucleic acid polymerase. Springgate CF, et al. **J Mol Biol** 97(4):577-91, 5 Oct 75

DNA-dependent RNA polymerases of Ehrlich carcinoma, other murine ascites tumors, and murine normal tissues. Blair DG. **J Natl Cancer Inst** 55(2):397-412, Aug 75

Virion transcriptase activity differences in host range mutants of vesicular stomatitis virus. Szilágyi JF, et al. **J Urol** 16(4):927-36, Oct 75

Virion-associated transcriptase activity of influenza recombinant and mutant strains. Bean WJ Jr, et al. **J Virol** 16(3):516-24, Sep 75

Transcriptase activity and genome composition of defective influenza virus. Bean WJ Jr, et al. **J Virol** 18(1):365-9, Apr 76

Association of the polioviral RNA polymerase complex with phospholipid membranes. Butterworth BE, et al. **J Virol** 19(2):457-66, Aug 76

Analysis of in vitro transcription products of intracellular vesicular stomatitis virus RNA polymerase. Galet H, et al. **J Virol** 19(2):467-74, Aug 76

RNA polymerase activity in purified virions of avian reticuloendotheliosis viruses. Mizutani S, et al. **J Virol** 19(2):610-9, Aug 76

Comparison of RNA polymerase associated with Newcastle disease virus and a temperature-sensitive mutant of Newcastle disease virus isolated from persistently infected L cells. Stanwick TL, et al. **J Virol** 17(1):68-73, Jan 75

Viral RNA synthesis and levels of DNA-dependent RNA polymerases during replication of adenovirus 2. Weinmann R, et al. **J Virol** 17(1):114-26, Jan 75

Ribonucleic acid-dependent ribonucleic acid polymerase in the immune response. Saito K, et al. **Jpn J Microbiol** 19(6):433-9, Dec 75

Relationship of ornithine decarboxylase to RNA polymerase i activity. Manen CA, et al. **Life Sci** 17(12):1769-75, 15 Dec 75

Ribohomopolymer formation as a source of error in the radioactive precursor incorporation studies of nuclear DNA-dependent RNA synthesis. Yu FL. **Life Sci** 18(10):1171-5, 15 May 76

Similarities between 5alpha-dihydrotestosterone-receptor complexes from human and rat prostatic tissue: effects on RNA polymerase activity. Davies P, et al. **Mol Cell Endocrinol** 3(2):143-64, Aug 75

Influence of steroid-receptor complexes on transcription by human hypertrophied prostatic RNA polymerases. Davies P, et al. **Mol Cell Endocrinol** 5(3-4):269-88, Aug-Sep 76

RNA polymerase mutants of Escherichia coli. III. A temperature-sensitive rifampicin-resistant mutant. Kawai M, et al. **Mol Gen Genet** 143(3):233-41, 2 Feb 76

A bacterial RNA polymerase mutant that renders lambda growth independent of the N and cro functions at 42 degrees C. Lecocq J, et al. **Mol Gen Genet** 145(1):53-64, 23 Apr 76

Effects of rifampicin on synthesis and functional activity of DNA-dependent RNA polymerase in Escherichia coli. Nakamura Y, et al. **Mol Gen Genet** 145(3):227-37, 15 Jun 76

RNA polymerase binding sites isolated from T4DNA: analysis of oligopyrimidine sequences constituting preinitiation and initiation complexes. Rüger W. **Mol Gen Genet** 139(1):67-76, 5 Aug 75

I.n vitro transcription of adenovirus 2 DNA. I. Characterization of promoters for E. coli RNA polymerase. Surzycki SJ, et al. **Mol Gen Genet** 143(2):167-75, 16 Jan 76

In vitro transcription of adenovirus 2 DNA. II. Quantification and localization of promoters for E. coli RNA polymerase. Surzycki SJ, et al. **Mol Gen Genet** 143(2):177-84, 16 Jan 76

Induced mutagenesis in bacteriophage T4 growing in strains of E. coli with altered RNA-polymerase. Alikhanian SI, et al. **Mutat Res** 35(1):7-11, Apr 76

A study of possible mechanisms of the RNA-polymerase involement in mutagenesis in phage T4. Piruzian ES, et al. **Mutat Res** 35(1):1-6, Apr 76

Phosphorylation of yeast RNA polymerases. Bell GI, et al. **Nature** 261(5559):429-31, 3 Jun 76

Inactive complex formation between E. coli RNA polymerase and inhibitor protein purified from T7 phage infected cells. Hesselbach BA, et al. **Nature** 258(5533):354-7, 27 Nov 75

Association of RNase H activity with yeast RNA polymerase A. Huet J, et al. **Nature** 261(5559):431-3, 3 Jun 76

In vitro transcription of a late class of phage SP01 genes. Pero J, et al. **Nature** 257(5523):248-51, 18 Sep 75

Rifampicin-resistant RNA polymerase and NAD transferase activities in coliphage N4 virions. Pesce A, et al. **Nature** 262(5567):412-4, 29 Jul 76

Two distinct mechanisms of synthesis of DNA fragments on colicin E1 plasmid DNA. Tomizawa J. **Nature** 257(5523):253-4, 18 Sep 75

Replication of double-stranded RNA in particles of Penicillium stoloniferum virus S. Buck KW. **Nucleic Acids Res** 2(10):1889-902, Oct 75

The sensitivity of RNA polymerases I and II from Novikoff hepatoma (N1S1) cells to 3'-deoxyadenosine 5'-triphosphate. Desrosiers RC, et al. **Nucleic Acids Res** 3(2):325-41, Feb 76

Regulation of transcription factor rho and the alpha subunit of RNA polymerase in Escherichia coli B/r. Blumenthal RM, et al. **Proc Natl Acad Sci USA** 73(7):2285-8, Jul 76

Increased frequency of initiation of RNA synthesis due to a protein factor from chicken myeloblastosis nuclei. Chuang RY, et al. **Proc Natl Acad Sci USA** 72(8):2935-9, Aug 75

Separation of lymphocyte chromatin into template-active fractions with specificity for eukaryotic RNA polymerase II or prokaryotic RNA polymerase. Magee BB, et al. **Proc Natl Acad Sci USA** 72(12):4830-4, Dec 75

Effects of bacteriophage T4-induced modification of Escherichia coli RNA polymerase on gene expression in vitro. Mailhammer R, et al. **Proc Natl Acad Sci USA** 72(12):4928-32, Dec 75

Effect of insect hormones on RNA polymerases of mass-isolated imaginal discs of Drosophila melanogaster cultured in vitro. Nishiura JT, et al. **Proc Natl Acad Sci USA** 72(8):2984-8, Aug 75

Double-stranded RNA in chromatin transcripts formed by exogenous RNA polymerase. Pays E. **Proc Natl Acad Sci USA** 73(4):1121-5, Apr 76

Transcription termination and late control in phage lambda. Roberts JW. **Proc Natl Acad Sci USA** 72(9):3300-4, Sep 75

A DNA fragment from the origin of single-strand to double-strand DNA replication of bacteriophage fd. Schaller H, et al. **Proc Natl Acad Sci USA** 73(1):49-53, Jan 76

Transcription in yeast: alpha-amanitin sensitivity and other properties which distinguish between RNA polymerases I and III. Schultz LD, et al. **Proc Natl Acad Sci USA** 73(4):1029-33, Apr 76

Synthesis of specific functional messenger RNA in vitro by phage-SP01-modified RNA polymerase of Bacillus subtilis. Swanton M, et al. **Proc Natl Acad Sci USA** 72(12):4886–90, Dec 75

Effects of estrogen on gene expression in chick oviduct: nuclear receptor levels and initiation of transcription. Tsai SY, et al. **Proc Natl Acad Sci USA** 72(11):4228–32, Nov 75

Isolation of an intermediate which precedes dnaG RNA polymerase participation in enzymatic replication of bacteriophage phi X174 DNA. Weiner JH, et al. **Proc Natl Acad Sci USA** 73(3):752–6, Mar 76

Sigma cycle during in vitro transcription: demonstration by nanosecond fluorescence depolarization spectroscopy. Wu CW, et al. **Proc Natl Acad Sci USA** 72(8):3019–23, Aug 75

In vivo and in vitro phosphorylation of DNA-dependent RNA polymerase of Escherichia coli by bacteriophage-T7-induced protein kinase. Zillig W, et al. **Proc Natl Acad Sci USA** 72(7):2506–10, Jul 75

RNA polymerase and adenyl cyclase in cardiac hypertrophy and cardiomyopathy. Nair KG, et al. **Recent Adv Stud Cardiac Struct Metab** 3:479–87, 1973

Biophysical studies of reovirus type 3. III. A laser light-scattering study of the RNA transcriptase reaction. Bellamy AR, et al. **Virology** 70(1):28–36, Mar 76

Synthesis of herpes simplex virus-specified RNA by an RNA polymerase II in isolated nuclei in vitro. Ben-Zeev A, et al. **Virology** 71(1):302–11, May 76

Properties of RNA polymerases of healthy and citrus exocortis viroid-infected Gynura aurantiaca DC. Geelen JL, et al. **Virology** 69(2):539–46, Feb 76

Equine herpesvirus-induced alterations in nuclear RNA and DNA polymerase activities. Kemp MC, et al. **Virology** 68(2):467–82, Dec 75

Localization of RNA polymerase binding sites on T7 DNA. Ludwig RA, et al. **Virology** 71(1):278–90, May 76

RNA synthesis by ribonucleoprotein-polymerase complexes isolated from influenza virus. Rochovansky OM. **Virology** 73(2):327–38, Sep 76

[Transcription of adenovirus 2 DNA by the C class of RNA polymerases of HeLa cells] pp. 43–50. Hossenlopp P, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975. (Eng. Abstr.) **(Fre)**

[Isolation of an amatoxin binding protein (ABP) different from RNA-polymerase B and C ((author's transl))] Brodner OG, et al. **Hoppe Seylers Z Physiol Chem** 357(1):89–93, Jan 76 (Eng. Abstr.) **(Ger)**

[Daily variations of RNA polymerase B in the liver of rats maintained in controlled environmental conditions: quantitative determination of the molecules of the enzymes] Mezzetti G, et al. **Boll Soc Ital Biol Sper** 51(24):1887–90, 30 Dec 75 **(Ita)**

[Comparative study of endogenous RNA-polymerase activity of the cell nuclei and chloroplasts of pea leaves] Dzhokhadze DI, et al. **Biokhimiia** 41(1):161–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Transcription of DNA by RNA polymerases of E. coli and calf thymus] Kozlov IuV, et al. **Mol Biol (Mosk)** 9(1):70–7, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[DNA-dependent RNA polymerase in the organs of irradiated animals. 5. Physicochemical changes in the enzyme molecules] Likhoded VS, et al. **Radiobiologiia** 15(3):423–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[RNA transcriptase activity of a defective influenza virus] Kantorovich EN, et al. **Vopr Virusol** (2):242–3, Mar–Apr 75 **(Rus)**

[Activity of DNA-dependent RNA polymerases A and B in spleen nuclei of mice infected with Rauscher leukemia virus] Veselovskaia TV, et al. **Vopr Virusol** (1):57–62, Jan–Feb 76 **(Rus)**

PHYSIOLOGY

Infectivity and marker rescue activity of influenza virus ribonucleoprotein-polymerase complexes. Rochovansky OM, et al. **Virology** 73(2):339–49, Sep 76

[Effect of embichin (HN2) and its monofunctional analog (HN1) on chromatin and DNA matrix activity in an in vitro RNA-polymerase system] Sokolov NA, et al. **Biull Eksp Biol Med** 80(8):106–9, Aug 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[DNA-dependent RNA-polymerase of the organs of irradiated animals. Report 6. Role of enzyme changes in disturbance of the process of transcription] Likhoded VS, et al. **Radiobiologiia** 15(5):741–4, Sep–Oct 75 (21 ref.) (Eng. Abstr.) **(Rus)**

RNA REPLICASE see under **RNA NUCLEOTIDYLTRANSFERASES**

RNA, RIBOSOMAL

Some features of DNA-tRNA hybrids in the rat. Hanausek-Walaszek M, et al. **Acta Biochim Pol** 23(1):45–56, 1976

Circular dichroism studies on proteins and 18S-RNA of rat liver ribosomes. Becker M, et al. **Acta Biol Med Ger** 33(5–6):555–7, 1974

Studies of the RNA and protein moieties of the larger subribosomal particle of rabbit reticulocytes. Godwin E, et al. **Acta Biol Med Ger** 33(5–6):733–52, 1974

Comparative studies on the secondary structure of ribosomal RNA from rat liver, yeast and E. coli. Grancharov KC, et al. **Acta Biol Med Ger** 33(5–6):725–31, 1974

Electron microscopic studies of the substructure of eukaryotic ribosomal RNA. Ladhoff AM, et al. **Acta Biol Med Ger** 33(5–6):761–9, 1974

Estimation of length of rRNA-DNA hybrids by electron microscopy. Michalska J, et al. **Ann Med Sect Pol Acad Sci** 20(2):97–8, 1975

Ricin does not act as an endonuclease on L cell polysomar RNA. Mitchell SJ, et al. **Biochem Biophys Res Commun** 68(3):763–9, 9 Feb 76

Structure and biosynthesis of the ribosomal ribonucleic acids from the oncogenic bacterium Agrobacterium tumefaciens. Grienenberger JM, et al. **Biochem J** 149(1):23–30, Jul 75

The ribosomal ribonucleic acid of Agrobacterium tumefaciens. Schuch W, et al. **Biochem J** 149(1):17–22, Jul 75

Sequence homologies in mammalian 5.8S ribosomal RNA. Nazar RN, et al. **Biochemistry** 15(3):505–8, 10 Feb 76

Complexity and specificity of polysomal poly(A+) RNA in mouse tissues. Young BD, et al. **Biochemistry** 15(13):2823–9, 29 Jun 76

The fragments from the 28 S ribosomal RNA of Galleria mellonella with unesterified uridine at the 3'-termini. Ishikawa H. **Biochim Biophys Acta** 425(2):185–95, 4 Mar 76

Arthropod ribosomes. Integrity of ribosomal ribonucleic acids from aphids and water fleas Ishikawa H. **Biochim Biophys Acta** 435(3):258–68, 2 Jul 76

Directed cleavage of ribopolynucleotides with nucleases restricted by multiple modification of substrate. Mazo AM, et al. **Biochim Biophys Acta** 432(3):353–60, 19 May 76

Specific ribonucleoprotein fragments from 40-S ribosomal subunits. Reboud AM, et al. **Biochim Biophys Acta** 432(2):176–84, 3 May 76

Comparative study of the 16S RNA's of Escherichia coli and Proteus vulgaris. Fischel JL, et al. **Biochimie** 57(8):885–97, 1975

Sequence studies on the 5S RNA of Proteus vulgaris: comparison with 5S RNA of Escherichia coli. Fischel JL, et al. **Biochimie** 57(8):899–904, 1975

Letter: Changes in the ultraviolet absorption of E. coli rRNA on ribosome unfolding. Belli M, et al. **Biopolymers** 15(6):1229–32, Jun 76

Electron microscopy of ribosomal RNA mounted by adsorption in the absence of protein. Johnson TR, et al. **Biopolymers** 14(7):1503–14, Jul 75

A method for measuring sedimentation and diffusion of macromolecules in capillary tubes by total intensity and quasi-elastic light-scattering techniques. Loewenstein MA, et al. **Biopolymers** 14(2):419–30, Feb 75

Mapping the human 5S RNA genes on chromosome 1 using translocations. Steffensen DM, et al. **Birth Defects** 11(3):264–8, 1975

Structure and processing of ribosomal RNA: a comparative electron microscopic study in three animals. Wellauer PK, et al. **Brookhaven Symp Biol** (26):214–23, Jul 75

Phenol-induced thermal aggregation of avian rRNA. Lassota Z, et al. **Bull Acad Pol Sci [Biol]** 23(6):365–9, 1975

The location of 5S (ribosomal) RNA genes in Drosophila hydei. Alonso C, et al. **Chromosoma** 51(4):347–56, 11 Aug 75

Characterization of cytosol and mitochondrial rRNA of reptiles in relation to evolution. Waters BK, et al. **Comp Biochem Physiol [B]** 53(3):283–6, 1976

Mapping the human 5S RNA genes on chromosome 1 using translocations. Steffensen DM, et al. **Cytogenet Cell Genet** 14(3–6):434–8, 1975

Small-angle x-ray studies on the structure of 16-S ribosomal RNA and of a complex of ribosomal protein S4 and 16-S ribosomal RNA from Escherichia coli. Folkhard W, et al. **Eur J Biochem** 59(1):63–71, 1 Nov 75

Intermolecular renaturation of hairpin loops leads to stable and specific aggregates of 28-S rRNA and precursor rRNAs from Xenopus laevis. Hagenbüchle O, et al. **Eur J Biochem** 60(1):73–82, 1 Dec 75

Conservation of the 5'-terminal nucleotide sequences of ribosomal 18-S RNA in eukaryotes. Differential evolution of large and small ribosomal RNA. Sakuma K, et al. **Eur J Biochem** 63(2):339–50, 1 Apr 76

Electron microscope analysis of amplifying ribosomal DNA from Xenopus laevis. Buongiorno-Nardelli M, et al. **Exp Cell Res** 98(1):95–103, 1 Mar 76

Adenovirus 12 uncoiler regions of human chromosome 1 in relation to the 5S rRNA genes. Steffensen DM, et al. **Exp Cell Res** 100(2):436–9, Jul 76

Photoaffinity labelling of 23 S RNA at the donor-site of the Escherichia coli ribosome. Barta A, et al. **FEBS Lett** 56(1):170–4, 1 Aug 75

The reaction of 5S RNA in 70S ribosomes with kethoxal. Delihas N, et al. **FEBS Lett** 58(1):76–80, 15 Oct 75

Structure of a 30 S pre-ribosomal RNA of E. coli. Hayes F, et al. **FEBS Lett** 56(1):85–91, 1 Aug 75

Hybridization of prokaryotic and eukaryotic 5S rRNA to Euglena gracilis chloroplast DNA. Phillips DO, et al. **FEBS Lett** 60(1):94–7, 1 Dec 75

Nucleotide sequence of Clostridium pasteurianum 5S rRNA. Pribula CD, et al. **FEBS Lett** 64(2):350–2, 1 May 76

Joint use of light, X-ray and neutron scattering for investigation of RNA and protein mutual distribution within the 50S subparticle of E. coli ribosomes. Serdyuk IN, et al. **FEBS Lett** 59(1):133–6, 1 Nov 75

Near neighbors of IF3 bound to 30S ribosomal subunits. van Duin J, et al. **FEBS Lett** 59(2):287–90, 15 Nov 75

Further studies on the ribosomal RNA cistrons of Sciara coprophila (Diptera). Gerbi SA, et al. **Genetics** 83(1):81–90, May 76

Studies on the mutation abnormal oocyte and its interaction with the ribosomal DNA of Drosophila melanogaster. Krider HM, et al. **Genetics** 81(3):501–13, Nov 75

Variations in the number of the Y chromosomal rRNA genes in Drosophila hydei. Kunz W, et al. **Genetics** 82(1):25–34, Jan 76

Genetic analysis of the 5S RNA genes in Drosophila melanogaster. Procunier JD, et al. **Genetics** 81(3):515–23, Nov 75

Relation between ribosomal RNA genes and the DNA satellites of Phaseolus coccineus. Lima-de-Faria A, et al. **Hereditas** 79(1):5–20, 1975

Salt-mediated kill and inhibition of thermally injured (ribosome deficient) Staphylococcus aureus. pp. 137–44. Haight RD.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Studies on the primary structure of 16S and 23S RNAs from Escherichia coli and Proteus vulgaris. pp. 109–23. Ebel JP, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Nucleotide sequence studies on animal cell ribosomal RNAs. pp. 139–50. Maden BE, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

In vivo purification of mitochondrial genes in petite mutants of yeast: the genetic and biochemical characterization of mutants enriched in mitochondrial ribosomal RNA cistrons. pp. 155–67. Nagley P, et al.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Studies on ribosomal ribonucleic acid from yeast. III. Secondary structure of 18 and 26S yeast ribosomal RNA's and their complex: circular dichroism and infrared analyses. Yanagi K, et al. **J Biochem (Tokyo)** 78(3):599–604, Sep 75

Nucleotide sequence of 5 S ribosomal RNA precursor from Bacillus subtilis. Sogin ML, et al. **J Biol Chem** 251(11):3480–8, 10 Jun 76

Molecular hybridization of iodinated 4S, 5S, and 18S + 28S RNA to salamander chromosomes. León PE. **J Cell Biol** 69(2):287–300, May 76

Characterization of cytoplasmic and nuclear genomes in the colorless alga Polytoma. III. Ribosomal RNA cistrons of the nucleus and leucoplast. Siu C, et al. **J Cell Biol** 69(2):383–92, May 76

A method of preparing Escherichia coli 16 S RNA possessing previously unobserved 30 S ribosomal protein binding sites. Hochkeppel HK, et al. **J Mol Biol** 101(2):155–70, 25 Feb 76

Nucleotide sequences within the ribosomal ribonucleic acids of HeLa cells, Xenopus laevis and chick embryo fibroblasts. Khan MS, et al. **J Mol Biol** 101(2):235–54, 25 Feb 76

Determination of the molecular weights of RNAs by low-speed sedimentation equilibrium: 16 S ribosomal RNA as a model compound. Pearce TC, et al. **J Mol Biol** 97(2):193–201, 15 Sep 75

Determination of absolute fringe number in low-speed equilibrium experiments by a modified fringe relaxation procedure. Rowe AJ. **J Mol Biol** 97(2):202–5, 15 Sep 75

Changes in size and secondary structure of the ribosomal transcription unit during vertebrate evolution. Schibler U, et al. **J Mol Biol** 94(3):503–17, 25 May 75

RNA-protein interactions in the ribosome. VIII. Co-operative interactions in the 50 S subunit of Escherichia coli. Spierer P, et al. **J Mol Biol** 103(3):647–53, 25 May 76

The architecture of 5S rRNA and its relation to function. Fox GE, et al. **J Mol Evol** 6(1):61–76, 3 Oct 75

The relationship between precursor and mature forms of the 23S ribosomal RNA. Sogin ML, et al. **J Mol Evol** 2(2–3):167–74, 1973

The nucleotide sequence of the 5S ribosomal RNA from a photobacterium. Woese CR, et al. **J Mol Evol** 5(1):35–46, 9 Jun 75

Binding of ethidium bromide to ribosomal RNA. Absorption, fluorescence, circular and electric dichroism study. Gatti C, et al. **J Sports Med** 1(4):308–19, 1973

The molecular weights of yeast ribosomal precursor RNAs. Brand RC, et al. **Mol Biol Rep** 2(4):321–5, Dec 75

Complementary binding of oligonucleotides with 16S RNA and ribosomal ribonucleoproteins. Kopylov AM, et al. **Mol Biol Rep** 2(2):95–100, Jul 75

Poly(A)-containing RNA from Petroselinum hortense: isolation, properties and messenger function in vitro. Ragg H, et al. **Mol Biol Rep** 2(2):119–27, Jul 75

Increase of rDNA redundancy in bb females of Drosophila melanogaster. Gargano S, et al. **Mol Gen Genet** 145(3):255–8, 15 Jun 76

Partial sequences of 16S rRNA and the phylogeny of blue-green algae and chloroplasts. Bonen L, et al. **Nature** 261(5562):669–73, 24 Jun 76

Evolutionary origin of 5.8S ribosomal RNA. Cedergren RJ, et al. **Nature** 260(5546):74–5, 4 Mar 76

5S RNA secondary structure. Fox GW, et al. **Nature** 256(5517):505–7, 7 Aug 75
Restriction map of 5S RNA genes of Drosophila melanogaster. Procunier JD, et al. **Nature** 263(5574):255–7, 16 Sep 76
Conformation differences in bacterial ribosomal RNA's in non-denaturing conditions. Reff ME, et al. **Nature** 260(5553):724–6, 22 Apr 76
Similarities and differences in the structure of X and Y chromosome rRNA genes of Drosophila. Tartof KD, et al. **Nature** 263(5572):27–30, 2 Sep 76
The 3'-terminal sequence of mitochondrial 13S ribosomal RNA. Dubin DT, et al. **Nucleic Acids Res** 3(5):1225–31, May 76
A compact form of double-stranded RNA in solutions containing poly(ethyleneglycol). Evdokimov YM, et al. **Nucleic Acids Res** 3(6):1533–47, Jun 76
Studies on the low molecular weight RNA associated with 28S ribosomal RNA from Crotalus durissus terrificus liver. Giorgini JF, et al. **Nucleic Acids Res** 3(1):165–75, Jan 76
Reaction of HeLa cell methyl-labelled 28S ribosomal RNA with sodium bisulphite: a conformational probe for methylated sequences. Goddard JP, et al. **Nucleic Acids Res** 3(2):431–40, Feb 76
O2'-Methylinosine, a constituent of the ribosomal RNA of Crithidia fasciculata. Gray MW. **Nucleic Acids Res** 3(4):977–88, Apr 76
The conformation of 16S RNA in the 30S ribosomal subunit from Escherichia coli. Milner JJ, et al. **Nucleic Acids Res** 3(3):789–808, Mar 76
Tetrahymena ribosomal RNA gene chromatin is digested by micrococcal nuclease at sites which have the same regular spacing on the DNA as corresponding sites in the bulk nuclear chromatin. Piper PW, et al. **Nucleic Acids Res** 3(2):493–505, Feb 76
Evidence for tertiary structural RNA–RNA interactions within the protein S4 binding site at the 5'-end of 16S ribosomal RNA of Escherichia coli. +. Ungewickell E, et al. **Nucleic Acids Res** 2(10):1867–88, Oct 75
Studies on 5-hydroxyuridine (isobarbituridine): X. Isolation and tentative identification of 5-hydroxymethyluridine from ribosomal RNA. Lis AW, et al. **Physiol Chem Phys** 7(6):565–70, 1975
Cleavage of adenovirus messenger RNA and of 28S and 18S ribosomal RNA by RNase III. Westphal H, et al. **Proc Natl Acad Sci USA** 72(8):3077–81, Aug 75
[Localization of the genes of 28S and 18S RNA in human somatic chromosomes by in situ hybridization] Pardo D, et al. **Ann Genet (Paris)** 18(2):105–9, Jun 75 (Eng. Abstr.) **(Fre)**
[Proceedings: Conformation of rRNA of Saccharomyces cerevisiae in aqueous environment and in water–dimethylsulfoxide mixture] Ploumhans MT, et al. **Arch Int Physiol Biochim** 83(2):393–5, May 75 **(Fre)**
[Polyelectrolytic behavior of saccharomyces cerevisiae RNA in a mixed aqueous–organic environment] Ploumhans MT. **Arch Int Physiol Biochim** 83(5):986–7, Dec 75 **(Fre)**
[RNA–protein interactions in bacterial ribosomes. III. Secondary structure of 16S RNA fragments associated with protein S4] Chichkova NV, et al. **Mol Biol** 8(6):894–901, Nov–Dec 74 (Eng. Abstr.) **(Rus)**
[Complementary addressed alkylation of ribosomal RNA with alkylating derivatives of oligonucleotides] Grineva NI, et al. **Mol Biol** 8(6):832–44, Nov–Dec 74 (Eng. Abstr.) **(Rus)**
[Possibility of internal organization of RNA and proteins in ribosomal subparticles. A structural model of Escherichia coli 30S ribosomal subparticle] Potapov AP. **Mol Biol (Mosk)** 9(3):426–34, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Possibility of internal organization of RNA and proteins in ribosomal subparticles. A structural model of Escherichia coli 30S ribosomal subparticle] Potapov AP. **Mol Biol (Mosk)** 9(3):426–34, May–Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Nonisoelectric focusing in buffers. Nguyen NY, et al. **Anal Biochem** 74(1):145–53, Jul 76
A rapid and sensitive determination of bacterial rRNA by means of hybridization-competition. Oostra BA, et al. **Anal Biochem** 74(2):496–502, Aug 76
Study of messenger-like RNA extracted from HeLa cells polysomes. II. Identification of the types of RNA eluted from methylated albumin kieselguhr columns. Miller AO, et al. **Arch Int Physiol Biochim** 84(1):15–33, Feb 76
Synthesis and characterization of a DNA probe complementary to rat liver 28S ribosomal RNA. Daubert S, et al. **Biochem Biophys Res Commun** 68(4):1037–44, 23 Feb 76
The circular dichroism of ribosomal ribonucleic acids. Cox RA, et al. **Biochem J** 155(2):279–91, 1 May 76
Spectroscopic evidence for the uneven distribution of adenine and uracil residues in ribosomal ribonucleic acid of Drosophila melanogaster and of Plasmodium knowlesi and its possible evolutionary significance. Cox RA, et al. **Biochem J** 155(3):465–75, 1 Jun 76
The presence of a high-molecular-weight (guanine-plus-cytosine)-rich segment at the 3' end of rabbit 28S ribosomal ribonucleic acid. Hadjiolov AA, et al. **Biochem J** 147(3):625–8, Jun 75
Comparison between the ribosomal ribonucleic acids from free and membrane-bound ribosomal fractions of HeLa cells. Khan MS, et al. **Biochem J** 155(1):197–200, 1 Apr 76
Higher-plant mitochondrial ribosomes contain a 5S ribosomal ribonucleic acid component. Leaver CJ, et al. **Biochem J** 157(1):275–7, 1 Jul 76
The determination of the primary structure of the 16S ribosomal RNA of Escherichia coli. III. Further studies. Ehresmann C, et al. **Biochimie** 57(6–7):711–48, 1975
Reconstitution of 48 S particles with subunit association activity from Escherichia coli 50 S ribosomal components. Chu FK, et al. **Can J Biochem** 53(8):844–54, Aug 75
A reinvestigation of 5' leads to 3' polarity in 40S ribosomal RNA precursor of Xenopus laevis. Dawid IB, et al. **Cell** 8(3):443–8, Jul 76
Sequences of 5S ribosomal RNA from Xenopus mulleri and the evolution of 5S gene-coding sequences. Ford PJ, et al. **Cell** 8(4):485–93, Aug 76
The 5' leads to 3' polarity of the Xenopus Ribosomal RNA precursor molecule. Reeder RH, et al. **Cell** 8(3):449–54, Jul 76
Changes in ribosome-associated proteins during sea urchin development. Unsworth BR, et al. **Differentiation** 3(1–3):21–7, 11 Aug 75
Early nucleolar preribosomal RNA – protein in mammalian cells. Bachellerie JP, et al. **Eur J Biochem** 55(1):119–29, 16 Jun 75
Sequence determination of 5'-terminal and 3'-terminal T1 oligonucleotides of 18-S ribosomal RNA of a mouse cell line (L 5178 Y). Eladari ME, et al. **Eur J Biochem** 55(1):247–55, 16 Jun 75
Fingerprinting studies of the maturation of ribosomal RNA in mammalian cells. Galibert F, et al. **Eur J Biochem** 55(1):239–45, 16 Jun 75
Terminal-sequence analysis of bacterial ribosomal RNA. Correlation between the 3'-terminal-polypyrimidine sequence of 16-S RNA and translational specificity of the ribosome. Shine J, et al. **Eur J Biochem** 57(1):221–30, 1 Sep 75
Nucleotide sequences of Escherichia coli 16-S RNA associated with ribosomal proteins S7, S9, S10, S14 and S19. Yuki A, et al. **Eur J Biochem** 56(1):23–34, 1 Aug 75
Fibrillar nucleolar remnants do not contain macromolecular precursors of ribosomal RNA. Demonstration by the effects of d-galactosamine. Herzog J, et al. **Exp Cell Res** 93(2):502–5, Jul 75
Nucleotide sequence of Drosophila melanogaster 5S RNA: evidence for a general 5S RNA model. Benhamou J, et al. **FEBS Lett** 62(2):146–9, 15 Feb 76
Presence of a hypermodified nucleotide in HeLa cell 18 S and Saccharomyces carlsbergensis 17 S ribosomal RNAs. Maden BE, et al. **FEBS Lett** 59(1):60–3, 1 Nov 75
Ribosomal RNA gene content in micronucleate and amicronucleate strains of Tetrahymena pyriformis. Marcaud L, et al. **FEBS Lett** 63(2):291–4, 1 Apr 76
Tissue specific differences in the 2'-O-methylation of eukaryotic 5.8S ribosomal RNA. Nazar RN, et al. **FEBS Lett** 59(1):83–7, 1 Nov 75
Ribosomal precursor particles of Bacillus megaterium. Body BA, et al. **J Bacteriol** 126(3):1149–55, Jun 76
Characterization of 5.8S ribosomal ribonucleic acid in Neurospora crassa. Lucas MC, et al. **J Bacteriol** 124(2):736–9, Nov 75
Fluorometric investigation of the local conformation of 16S rRNA in the regions of the 3'- and 5'-ends. Kumagai JI, et al. **J Biochem (Tokyo)** 79(3):505–11, Mar 76
Structural analyses of mammalian ribosomal ribonucleic acid and its precursors. Nucleotide sequence of ribosomal 5.8 S ribonucleic acid. Nazar RN, et al. **J Biol Chem** 250(22):8591–7, 25 Nov 75
Characterization of cytoplasmic and nuclear genomes in the colorless alga Polytoma. II. General characterization of organelle nucleic acids. Siu C, et al. **J Cell Biol** 69(2):371–82, May 76
Lability of RNA from the large cytoplasmic ribosomal subunit of the protozoon Crithidia oncopelti. Spencer R, et al. **J Gen Microbiol** 93(1):82–8, Mar 76
Polysomal RNA in Semliki Forest virus infected Aedes albopictus cells. Eaton BT, et al. **J Gen Virol** 29(1):35–49, Oct 75
A T1 ribonuclease fragment present in 18 S ribosomal RNA of Novikoff rat ascites hepatoma cells and absent from 18 S ribosomal RNA of HeLa cells. Fuke M, et al. **J Mol Biol** 99(2):277–81, 5 Dec 75
Demonstration of intact 26 S ribosomal RNA molecules in Drosophila cells. Jordan BR. **J Mol Biol** 98(1):277–80, 15 Oct 75
Minimal post-transcriptional modification of yeast mitochondrial ribosomal RNA. Klootwijk J, et al. **J Mol Biol** 97(3):337–50, 25 Sep 75
The topographical order of 18 S and 20 S ribosomal ribonucleic acids within the 45 S precursor molecule. Liau MC, et al. **J Mol Biol** 98(2):321–32, 25 Oct 75
A neutron scattering study of the distribution of protein and RNA in the 30 S ribosomal subunit of Escherichia coli. Moore PB, et al. **J Mol Biol** 91(1):101–20, 5 Jan 75
Doublet frequencies in sequenced nucleic acids. Elton RA. **J Mol Evol** 4(4):323–46, 24 Mar 75
Dinoflagellate ribosomal RNA; an evolutionary relic? Gressel J, et al. **J Mol Evol** 5(4):307–13, 8 Sep 75
Homologies of ribosomal RNA nucleotide sequences in monocots. Maggini F. **J Mol Evol** 4(4):317–22, 24 Mar 75
Characterization of the primary structural homology between the 16s ribosomal RNAs of Escherichia coli and Bacillus megaterium by oligomer cataloging. Pechman KJ, et al. **J Mol Evol** 1(3):230–40, 1972
A comparison of the 16S ribosomal RNAs from mesophilic and thermophilic bacilli: some modifications in the Sanger method for RNA sequencing. Woese C, et al. **J Mol Evol** 7(3):197–213, 9 Apr 76
Sequence studies on 16S ribosomal RNA from a blue-green alga. Woese CR, et al. **J Mol Evol** 4(4):307–15, 24 Mar 75
The phylogenetic status of Pasteurella pestis. Zablen L, et al. **J Mol Evol** 4(4):347–58, 24 Mar 75
Studies of ribosomal RNA of Trypanosoma cruzi. Tanowitz H, et al. **J Parasitol** 61(6):1065–9, Dec 75
Corrections in the catalogue of oligonucleotides produced by digestion of Escherichia coli 16S rRNA with T1 RNase. Magrum L, et al. **Nature** 257(5525):423–6, 2 Oct 75
Mapping the transcription site of the SV40-specific late 16 S mRNA. May E, et al. **Nucleic Acids Res** 2(10):1995–2005, Oct 75
Hybridization studies of the relationship between influenza virus RNA and cellular DNA. Cox NJ, et al. **Virology** 69(1):304–13, Jan 76
[Proceedings: rRNA relationships in and with the genus Pseudomonas] De Vos P, et al. **Arch Int Physiol Biochim** 83(2):359–60, May 75 **(Dut)**

ANTAGONISTS & INHIBITORS

The inhibition of ribosomal RNA synthesis and maturation in Novikoff hepatoma cells by 5-fluorouridine. Wilkinson DS, et al. **Cancer Res** 35(11 Pt 1):3014–20, Nov 75

BIOSYNTHESIS

Studies on nucleic acids in lymphocytes of chronic lymphocytic leukaemia. Billington R, et al. **Acta Haematol (Basel)** 54(4):242–7, 1975
Noise and the RNA synthesis of the cochlea. Autoradiographic studies. Kraus H, et al. **Acta Otolaryngol (Stockh)** 80(3–4):230–7, Sep–Oct 75
RNA synthesis during zoospore germination in the water mold Allomyces arbuscula. Croes AF, et al. **Antonie van Leeuwenhoek** 41(3):257–64, 1975
The heavy DNA satellite of yeast and its relationship to the ribosomal RNA genes. Lusby EW Jr, et al. **Arch Biochem Biophys** 174(1):187–91, May 76
Mapping of the mitochondrial 16S ribosomal RNA gene and its expression in the cytoplasmic petite mutants of Saccharomyces cerevisiae. Faye G, et al. **Biochem Biophys Res Commun** 68(2):476–82, 26 Jan 76
Coordinate regulation of the individual ribosomal RNA operons in Escherichia coli. Morgan EA, et al. **Biochem Biophys Res Commun** 68(3):969–74, 9 Feb 76
Physical mapping of mitochondria rRNA genes in Saccharomyces cerevisiae. Sriprakash KS, et al. **Biochem Biophys Res Commun** 69(1):85–91, 8 Mar 76
Gene activities for ribosomal components in Escherichia coli B/r. Bremer H, et al. **Biochem J** 150(3):469–75, Sep 75
A 30 S precursor of 30 S ribosomes in a mutant of Escherichia coli. Markey F, et al. **Biochem J** 151(2):463–5, Nov 75
Regulation of ribosomal RNA synthesis and processing during inhibition of protein synthesis by 1,3-bis(2-chloroethyl)-1-nitrosourea. Penman M, et al. **Biochemistry** 15(12):2661–8, 15 Jun 76
Purification of sea urchin ribosomal RNA genes with a single-strand specific nuclease. Joseph DR, et al. **Biochim Biophys Acta** 418(2):167–74, 19 Jan 76
Ribosomal cistrons in higher plant cells. II. Sequence homology between the two mature rRNAs of sycamore cells and intracistronic reiteration. A DNA - rRNA hybridization study. Miassod R, et al. **Biochim Biophys Acta** 418(1):117–31, 5 Jan 76
Properties and synthesis of ribosomal RNA in the free-living nematode Panagrellus silusiae. Noble JS, et al. **Biochim Biophys Acta** 402(1):51–61, 6 Aug 75
Increased synthesis of ribonucleic acids in mouse liver after treatment with a nonionic detergent. Petrovic SL. **Biochim Biophys Acta** 435(1):13–20, 2 Jun 76
Detailed analysis of the ribosomal RNA synthesis in yeast. Trapman J, et al. **Biochim Biophys Acta** 414(2):115–25, 4 Dec 75
Methylation process of mammalian ribosomal precursor RNA. Tiollais P, et al. **Biochimie** 57(11–12):1315–21, Nov–Dec 75
Post-transcriptional modification of nucleotides in E. coli ribosomal RNAs. Dahlberg JE, et al. **Brookhaven Symp Biol** (26):194–200, Jul 75
Primary processing of high molecular weight preribosomal RNA in Escherichia coli and HeLa cells. Nikolaev N, et al. **Brookhaven Symp Biol** (26):175–93, Jul 75
In vitro maturation of precursors of 5 S ribosomal RNA from Bacillus subtilis. Pace NR, et al. **Brookhaven Symp Biol** (26):224–39, Jul 75
Enzymological aspects of processing of mammalian rRNA. Winicov I, et al. **Brookhaven Symp Biol** (26):201–13, Jul 75
Hormonal stimulation of ribosomal RNA synthesis in Achlya ambisexualis. Horgen PA, et al. **Can J Biochem** 53(12):1341–5, Dec 75
Wheat embryo ribonucleates. VI. Comparison of the 3'-hydroxyl termini in 'rapidly labelled' RNA from metabolizing wheat embryos with the corresponding termini in ribosomal RNA from differentiating embryos of wheat, barley, corn and pea. Oakden KM, et al. **Can J Biochem** 54(3):261–71, Mar 76
Amino acid starvation affects the initiation frequency of

nucleolar RNA polymerase. Grummt I, et al. **Cell** 7(3):439–45, Mar 76

Control of nucleolar RNA synthesis by the intracellular pool sizes of ATP and GTP. Grummt I, et al. **Cell** 7(3):447–53, Mar 76

Multiple modes of ribosomal RNA transcription in vitro. Travers A. **Cell** 8(4):605–9, Aug 76

The mechanism of action of ppGpp on rRNA synthesis in vitro. van Ooyen AJ, et al. **Cell** 8(1):123–8, May 76

Synthesis of ribosomal RNA in E. coli: analysis using deletion mutants of a lambda transducing phage carrying ribosomal RNA genes. Yamamoto M, et al. **Cell** 7(2):179–90, Feb 76

Nucleolar DNA in oocytes of Salmo irideus (Gibbons). Vlad M. **Cell Tissue Res** 167(3):407–24, 2 Apr 76

Preferential inhibition of the synthesis of 45S ribosomal rna precursor by N-acetoxyacetylaminofluorene in rat liver epithelial cultures. Kaplan LA, et al.
Chem Biol Interact 12(1):99–108, Jan 76

RNA, RIBOSOMAL/*BIOSYNon of ribosomal 5S RNA genes in Chironomus thummi by in situ hybridization of iodinated 5S RNA. Bäumlein H, et al. **Chromosoma** 57(2):199–204, 17 Aug 76

Visualization of gene transcription in spermatocytes of Drosophila hydei. Glätzer KH. **Chromosoma** 53(4):371–9, 29 Dec 75

Proportionate representation of rDNA and Balbiani ring DNA in polytene chromosomes of Chironomus tentans. Hollenberg CP. **Chromosoma** 57(2):185–97, 17 Aug 76

Distribution of 18+28S ribosomal genes in mammalian genomes. Hsu TC, et al. **Chromosoma** 53(1):25–36, 20 Nov 75

The mitotic chromosomes of Notophthalmus (=Triturus) viridescens: localization of C banding regions and DNA sequences complementary to 18S, 28S and 5S ribosomal RNA. Hutchison N, et al. **Chromosoma** 53(1):51–69, 20 Nov 75

The location of ribosomal cistrons (rDNA) in chromosomes of the rat. Kano Y, et al. **Chromosoma** 55(1):37–42, 31 Mar 76

Numbers of 5S and tRNA genes in macro- and micronuclei of Tetrahymena pyriformis. Kimmel AR, et al.
Chromosoma 54(4):327–37, 10 Mar 76

Identification of the lampbrush chromosome loops which transcribe 5S ribosomal RNA in Notophthalmus (Triturus) viridescens. Pukkila PJ. **Chromosoma** 53(1):71–89, 20 Nov 75

Independent replication of the ribosomal RNA genes in the polytrophic–meroistic ovaries of Calliphora erythrocephala, Drosophila hydei, and Sarcophaga barbata. Renkawitz R, et al. **Chromosoma** 53(2):131–40, 24 Nov 75

The ribosomal RNA cistrons in clam gametes. Kidder GM. **Dev Biol** 49(1):132–42, Mar 76

In vivo synthesis and turnover of cytoplasmic ribosomal RNA by stage 6 oocytes of Xenopus laevis. Leonard DA, et al. **Dev Biol** 45(1):199–202, Jul 75

Studies on the regulation of ribosomal RNA synthesis in sea urchin development. Pirrone AM, et al. **Dev Biol** 49(2):311–20, Apr 76

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. IV. The release of inhibitor from cultured cells. Shiokawa K, et al. **Dev Biol** 47(2):303–9, Dec 75

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. V. Inability of inhibitor to repress 5S RNA synthesis. Yamana K, et al. **Dev Biol** 47(2):461–3, Dec 75

Studies on the control of ribosomal RNA synthesis in HeLa cells. Chesterton CJ, et al. **Eur J Biochem** 57(1):79–83, 1 Sep 75

Synthesis of ribosomal RNA during the mitotic cycle on the slime mould Physarum polycephalum. Hall L, et al.
Eur J Biochem 62(3):471–7, 1 Mar 76

Studies on the amount and location of the tRNA and 5–S rRNA genes in Tetrahymena pyriformis GL. Tonnesen T, et al. **Eur J Biochem** 63(2):399–407, 1 Apr 76

Separate pyrimidine–nucleotide pools for messenger–RNA and ribosomal–RNA synthesis in HeLa S3 cells. Wiegers U, et al. **Eur J Biochem** 64(2):535–40, 1 May 76

Absence of ribosomal DNA amplification in a meroistic polytrophic ovary. Cave MD, et al. **Exp Cell Res** 101(1):23–30, Aug 76

The size of the guanosine triphosphate pool active in the synthesis of stable RNA by stage 6 oocytes of Xenopus laevis. Dinauer MC, et al. **Exp Cell Res** 101(1):122–6, Aug 76

Morphology of transcriptional units of rDNA. Evidence for transcription in apparent spacer intercepts and cleavages in the elongating nascent RNA. Franke WW, et al.
Exp Cell Res 100(2):233–44, Jul 76

Occurrence of plastidial rRNAs and plastidial structures in bleached mutants of Euglena gracilis. Heizmann PH, et al. **Exp Cell Res** 99(2):253–60, May 76

Stimulation of cellular RNA synthesis in mouse–kidney cell cultures infected with SV40 virus. May P, et al.
Exp Cell Res 100(2):433–6, Jul 76

Regulation of RNA synthesis in Neurospora crassa. An analysis of a shift–up. Sturani E, et al. **Exp Cell Res** 99(2):245–52, May 76

On the biosynthesis of 5.8 S ribosomal RNA in yeast. Trapman J, et al. **FEBS Lett** 57(1):26–30, 1 Sep 75

The synthesis of 5S RNA and its relationship to 18S and 28S ribosomal RNA in the bobbed mutants of Drosophila melanogaster. Mohan J. **Genetics** 81(4):723–38, Dec 75

Hormonal regulation of RNA synthesis. pp. 201–21. Villee CA.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973. (51 ref.)

The mechanism of synthesis of ribosomal RNA. pp. 151–7. Loening UE.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

The E. coli ribosomal RNA promoter. pp. 373–6. Travers A.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

Tight binding of RNA polymerase to the promoter of rRNA genes in E. coli. pp. 377–83. Udvardy A, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North–Holland, 1975. WE FE322 9th 1974 v.33.

Synthesis of stable RNA and regulation of growth in phytohemagglutinin–stimulated human lymphocytes. pp. 207–11. Mazumder HK, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Ribonucleic acid synthesized in meiotic cells of Saccharomyces cerevisiae: effect of culture medium pH. Curiale MS, et al. **J Bacteriol** 126(2):661–7, May 76

Neurospora crassa cytoplasmic ribosomes: cold–sensitive mutant defective in ribosomal ribonucleic acid synthesis. Russell PJ, et al. **J Bacteriol** 125(3):1112–9, Mar 76

Neurospora crassa cytoplasmic ribosomes; ribosomal ribonucleic acid synthesis in the wild type. Russell PJ, et al. **J Bacteriol** 127(2):785–93, Aug 76

Influence of pH on the rate of ribosomal ribonucleic acid synthesis during sporulation in Saccharomyces cerevisiae. Wejksnora P, et al. **J Bacteriol** 127(1):128–34, Jul 76

Absence of ribosomal DNA amplification in the meroistic (telotrophic) ovary of the large milkweed bug Oncopeltus fasciatus (Dallas) (Hemiptera: Lygaeidae). Cave MD.
J Cell Biol 66(3):461–9, Sep 75

RNA synthesis in the ultrastructural and biochemical components of the nucleolus of Chinese hamster ovary cells. Royal A, et al. **J Cell Biol** 66(3):577–85, Sep 75

Regulation of transcription of genes of ribosomal rna during amphibian oogenesis. A biochemical and morphological study. Scheer U, et al. **J Cell Biol** 69(2):465–89, May 76

Wasting of 18 S ribosomal RNA by human myeloma cells cultured in adenosine. Bynum JW, et al. **J Cell Physiol** 88(2):197–206, Jun 76

The nucleotide sequence adjoining the 3' end of the genes coding for oocyte–type 5 S ribosomal RNA in Xenopus. Brown RD, et al. **J Mol Biol** 102(1):1–14, 25 Mar 76

The transcriptional organization of the ribosomal RNA genes in mouse L cells. Hackett PB, et al. **J Mol Biol** 91(3):235–56, 25 Jan 75

Late steps in the maturation of Drosophila 26 S ribosomal RNA: generation of 5–8 S and 2 S RNAs by cleavages occurring in the cytoplasm. Jordan BR, et al.
J Mol Biol 101(1):85–105, 15Feb 76

Alternate temporal order in ribosomal RNA maturation. Winicov I. **J Mol Biol** 100(2):141–55, 15 Jan 76

Evolution of 5sRNA. Hori H. **J Mol Evol** 7(1):75–86, 31 Dec 75 (38 ref.)

Alteration in cellular RNAs during the in vitro lifespan of cultured human diploid fibroblasts. II. Synthesis and processing of RNA. Schneider EL, et al.
Mech Ageing Dev 4(5–6):449–58, Sep–Dec 75

A yeast mutant defective in the processing of 27S r–RNA precursor. Andrew C, et al. **Mol Gen Genet** 144(1):29–37, 27 Feb 76

Instability at the bobbed locus following magnification in Drosophila melanogaster. Locker D. **Mol Gen Genet** 143(3):261–8, 2 Feb 76

Preferential ribosomal RNA synthesis in the lysate of Escherichia coli. Muto A. **Mol Gen Genet** 138(1):1–10, 1975

Control of 5S RNA synthesis in Xenopus laevis. Ford PJ, et al. **Nature** 261(5559):433–5, 3 Jun 76

Evidence for an extranucleolar mechanism of actinomycin D action. Lindell TJ. **Nature** 263(5575):347–50, 23 Sep 76

Regulation of ribosomal RNA methylation in a temperature–sensitive mutant of BHK cells. Ouellette AJ, et al. **Nature** 262(5569):619–21, 12 Aug 76

Genomic transcriptional activity and the structure of chromatin. Reeves R, et al. **Nature** 260(5551):495–500, 8 Apr 76

Organisation of the genes coding for 5S RNA in the Chinese hamster. Stambrook PJ. **Nature** 259(5545):639–41, 26 Feb 76

Imperfect complementation in human–hamster somatic cell hybrids. Talavera A, et al. **Nature** 259(5545):667–70, 26 Feb 76

Determination of 5'–triphosphate terminus of 16S ribosomal RNA precursor. Tang PW, et al. **Nature** 257(5522):157–8, 11 Sep 75

Enzyme induction in mammalian cells defective in 28S ribosomal RNA formation. Wiebel FJ, et al. **Nature** 259(5541):331–3, 29 Jan 76

Cluster of genes in Escherichia coli for ribosomal proteins, ribosomal RNA, and RNA polymerase subunits. Lindahl L, et al. **Proc Natl Acad Sci USA** 72(7):2743–7, Jul 75

Effects of guanosine tetraphosphate on cell–free synthesis of Escherichia coli ribosomal RNA and other gene products. Reiness G, et al. **Proc Natl Acad Sci USA** 72(8):2881–5, Aug 75

Localization by situ hybridization of amplified ribosomal DNA during Xenopus laevis oocyte maturation (a light and electron microscopy study). Steinert G, et al.
Proc Natl Acad Sci USA 73(3):833–6, Mar 76

[Role of protein synthesis in the formation of chloroplast ribosomes in Euglena] Heizmann P. **Biochimie** 56(10):1357–64, 1974 (Eng. Abstr.) **(Fre)**

[Effect of blue and red light on the synthesis of ribosomal RNA in Chlorella] Steup M. **Arch Microbiol** 105(2):143–51, 27 Oct 75 (Eng. Abstr.) **(Ger)**

[Transcription of ribosomal genes in nuclei of different p.oidy] Strelkov LA, et al. **Mol Biol (Mosk)** 10(1):99–107, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Ribosomal RNA synthesis in haploid and diploid loach embryos] Strelkov LA, et al. **Ontogenez** 6(1):88–92, 1975 (Eng. Abstr.) **(Rus)**

[Ribosomal RNA synthesis in haploid and diploid loach embryos] Strelkov LA, et al. **Ontogenez** 6(1):88–92, 1975 (Eng. Abstr.) **(Rus)**

[Inhibition by actinomycin D of ribosomal RNA synthesis in the presynthesis period of the mitotic cycle of Chinese hamster cell cultures] Abuladze MK. **Tsitologiia** 17(7):797–802, Jul 75 (Eng. Abstr.) **(Rus)**

BLOOD

Isolation of poly(A)–containing RNA on synthetic fluorophlogopite (Mica). Pulkrabek P, et al.
Anal Biochem 68(1):25–35, Sep 75

IMMUNOLOGY

Evidence for O antigens as the antigenic determinants in 'ribosomal' vaccines prepared from Salmonella. Eisenstein TK. **Infect Immun** 12(2):364–77, Aug 75

[Circulation of antibodies to dispiral RNA and ribosomal RNA in patients with allergies, rheumatic disease, and rheumatic arthritis] Zborovskii AB, et al.
Biull Eksp Biol Med 79(4):89–91, Apr 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

An improved method for the rapid isolation of RNA from tissue with high ribonuclease content. Bynum JW, et al.
Anal Biochem 73(1):209–14, 21 May 76

Agar gel chromatography of rat liver ribosomal ribonucleic acids. Popović DA. **Anal Biochem** 67(2):462–7, Aug 75

Separation of high molecular weight heterodisperse RNA and rRNA by polyacrylamide gels. Shaaya E.
Anal Biochem 75(1):325–8, Sep 76

Improvements of the membrane filter method for DNA:rRNA hybridization. De Ley J, et al.
Antonie van Leeuwenhoek 41(3):287–307, 1975

Absorption of rat liver ribosomal ribonucleic acids on agar gels. Popovic DA. **Biochimie** 57(6–7):841–2, 1975

Further studies on the isolation of ribosomes from normal and methylcholanthrene–treated mouse epidermis. Argyris TS, et al. **J Invest Dermatol** 65(3):334–6, Sep 75

Phenol extraction of 28 S ribosomal RNA from rat liver cytoplasm. Dabeva MD. **Prep Biochem** 06(04):285–94, 1976

[Isolation and characterization of ribosomal RNA from the phycomycete Allomyces arbuscula (author's transl)] Fähnrich P, et al. **Z Naturforsch [C]** 30(2):302–3, Mar–Apr 75 (Eng. Abstr.) **(Ger)**

[Influence of immobilized ribonuclease on the cell–free protein synthesis in the wheat system (author's transl)] Kern H. **Z Naturforsch [C]** 30(2):227–32, Mar–Apr 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Discontinuity of the large ribosomal subunit RNA and rRNA molecular weights in eukaryote evolution. Cammarano P, et al. **Acta Biol Med Ger** 34(7):1123–35, 1975

Effects of 5–azacytidine on hepatic polyribosomes and maturation of ribosomal RNA. Cihák A, et al.
Acta Biol Med Ger 33(5–6):859–65, 1974 (23 ref.)

Study of protein reactivity in rat liver ribosomes. Effect of RNA addition to autodigested ribosomes. Reboud JP, et al. **Acta Biol Med Ger** 33(5–6):661–6, 1974

The status of ribosomal RNA genes during nuclear DNA reversion in flax. Timmis JN, et al. **Biochem Genet** 13(9–10):629–34, Oct 75

Synthesis of thiol–containing analogues of puromycin and a study of their interaction with N–acetylphenylalanyl–transfer ribonucleic acid on ribosomes to form thioesters. Gooch J, et al. **Biochem J** 149(1):209–20, Jul 75

Effect of phenobarbitone on the nucleocytoplasmic transport of ribonucleic acid in vitro. Hazan N, et al. **Biochem J** 156(3):665–70, 15 Jun 76

Terbium binding to ribosomes and ribosomal RNA. Barela TD, et al. **Biochemistry** 14(22):4887–92, 4 Nov 75

The role of 16S rRNA in ribosomal binding of IF–3. Pon CL, et al. **Biochemistry** 15(4):804–11, 24 Feb 76

Ribosomal RNA gene dosage as a function of tissue and age for mouse and human. Gaubatz J, et al.
Biochim Biophys Acta 418(3):358–75, 5 Feb 76

ATPase and GTPase activities associated with the 5–S RNA–protein complex of Escherichia coli ribosomes. Gaunt–Klöpfer M, et al. **Biochim Biophys Acta** 390(2):226–30, 1 May 75

Synthesis of DNAs complementary to human ribosomal RNAs polyadenylated in vitro. Hell A, et al.
Biochim Biophys Acta 442(1):37–49, 2 Aug 76

Isoaccepting species differences between polysome–bound

and total cellular tRNA in SVT2 cells. Katze JR. **Biochim Biophys Acta** 407(4):399–406, 4 Nov 75

The half-life of polyadenylated polysomal RNA from normal and transformed cells in monolayer culture. Sensky TE, et al. **Biochim Biophys Acta** 407(4):430–8, 4 Nov 75

Processing of ribosomal RNA in a temperature sensitive mutant of BHK cells. Toniolo D, et al. **Biochim Biophys Acta** 425(4):409–18, 2 Apr 76

The role of 5-S RNA in temperature-sensitive ribosomal RNA maturation. Winicov I. **Biochim Biophys Acta** 402(1):62–8, 6 Aug 75

Affinity labeling of the ribonucleic acid component adjacent to the peptidyl recognition center of peptidyl transferase in Escherichia coli ribosomes. Yukioka M, et al. **Biochim Biophys Acta** 390(2):192–208, 1 May 75

The fate of mRNA and rRNA in Escherichia coli. Apirion D. **Brookhaven Symp Biol** (26):286–306, Jul 75 (62 ref.)

Ribosomal RNA: the message or matrix for ribosomal proteins. Miller DR, et al. **Can J Biochem** 54(2):192–3, Feb 76

Transfer RNA genes between 16S and 23S rRNA genes in rRNA transcription units of E. coli. Lund E, et al. **Cell** 7(2):165–77, Feb 76

Alkylation of meseenger RNA by dimethylnitrosamine. Pegg AE, et al. **Chem Biol Interact** 12(3–4):279–84, Mar 76

Characterization of cytosol and mitochondrial rRNA of reptiles in relation to evolution. Waters BK, et al. **Comp Biochem Physiol [B]** 53(3):283–6, 1976

In vitro synthesis and processing of ribosomal RNA in the housefly ovary. Hall TJ, et al. **Dev Biol** 46(2):233–42, Oct 75

Turnover of chloroplast and cytoplasmic ribosomes during gametogenesis in Chlamydomonas reinhardi. Martin NC, et al. **Dev Biol** 51(2):190–201, 15 Jul 76

Methylation of ribosomal-precursor RNA, synthesized in vitro, by isolated rat-liver nucleoli. Grummt I, et al. **Eur J Biochem** 59(1):313–8, 1 Nov 75

Processing of the 17-S Escherichia coli precursor RNA in the 27-S pre-ribosomal particle. Hayes F, et al. **Eur J Biochem** 61(2):433–42, 15 Jan 76

Biochemical evidence for position-effect suppression of ribosomal RNA synthesis in Drosophila melanogaster. Puckett LD, et al. **Exp Cell Res** 95(1):31–8, 1 Oct 75

Hybridization of mitochondrial and cytoplasmic ribosomal RNA with mitochondrial and nuclear DNA. Dierich A, et al. **Experientia** 31(10):1151–2, 15 Oct 75

Unchanged r-RNA-gene dose in mice liver cells of different developmental stages. Erlinger M, et al. **Experientia** 31(11):1274–5, 15 Nov 75

The primary structure of the 5S RNA binding protein L18 from Escherichia coli ribosomes. Brosius J, et al. **FEBS Lett** 56(2):359–61, 15 Aug 75

30S ribosomal proteins associated with the 3'-terminus of 16S RNA. Czernilofsky AP, et al. **FEBS Lett** 58(1):281–4, 15 Oct 75

Studies of the binding of E. coli ribosomal protein S4 to 16S rRNA after UV irradiation of the S4--16S rRNA complex. Ehresmann B, et al. **FEBS Lett** 58(1):106–11, 15 Oct 75

Proteins at the mRNA binding site of the Escherichia coli ribosome. Fiser I, et al. **FEBS Lett** 56(2):226–9, 15 Aug 75

The degradation of rRNA in ribosomes by ribonucleases present in rat liver sub-cellular fractions. McIntosh PR, et al. **FEBS Lett** 60(2):349–53, 15 Dec 75

New aspects of the IF3-ribosome interaction. Van Duin J, et al. **FEBS Lett** 62(2):111–4, 15 Feb 76

Comments on the influence of testosterone on RNA metabolism in the rat ventral prostate. pp. 349–60. Mainwaring WI, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Altered methylation of ribosomal RNA in erythromycin-resistant Staphylococcus aureus. pp. 195–203. Weisblum B.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Association of nascent ribosomal ribonucleic acid with polyribosomes in Escherichia coli. Harvey RJ. **J Bacteriol** 124(3):1330–43, Dec 75

Escherichia coli mutants with altered ribosomal ribonucleic acid metabolism. Jackson JM 3d, et al. **J Bacteriol** 125(3):1057–73, Mar 76

Thermal denaturation of mesophilic and thermophilic 5S ribonucleic acids. Varricchio F, et al. **J Bacteriol** 125(3):850–4, Mar 76

Studies on the poky mutant of eurospora crassa. Fingerprint analysis of mitochondrial ribosomal RNA. Lambowitz AM, et al. **J Biol Chem** 251(10):3081–95, 25 May 76

Synthesis of functional aldolase tetramers in a heterologous cell-free system. Lebherz HG, et al. **J Biol Chem** 251(14):4355–8, 25 Jul 76

Cytoplasmic zone analysis. RNA flow studied by micromanipulation. Edström JE, et al. **J Cell Biol** 70(3):562–72, Sep 76

Conservation of ribosomal RNA during compensatory renal hypertrophy. A major mechanism in RNA accretion. Melvin WT, et al. **J Cell Biol** 69(3):548–56, Jun 76

Synthesis and degradation of ribosomal RNA in regenerating liver. Loeb JN, et al. **J Exp Med** 142(3):575–87, 1 Sep 75

Transport of ribosomal RNA into the oöcytes of the milkweed bug, Oncopeltus fasciatus. Davenport R. **J Insect Physiol** 2(7):925–6, 1976

Affinity labeling of specific regions of 23 S RNA by reaction of N-bromoacetyl-phenylalanyl-transfer RNA with Escherichia coli ribosomes. Breitmeyer JB, et al. **J Mol Biol** 101(3):297–306, 5 Mar 76

Localization of the gene coding for the mitochondrial 16 S ribosomal RNA using rho- mutants of Saccharomyces cerevisiae. Faye G, et al. **J Mol Biol** 99(1):203–17, 25 Nov 75

Frequency of insertion-deletion, transversion, and transition in the evolution of 5S ribosomal RNA. Sankoff D, et al. **J Mol Evol** 7(2):133–49, 29 Mar 76

The relationship between molecular size and electrphoretic mobility in agarose gels as determined from a single population of growing RNA molecules. Andersson K, et al. **Mol Biol Rep** 2(3):195–201, Oct 75

A lethal mutation which affects the maturation of ribosomes. Johnson SC, et al. **Mol Gen Genet** 147(1):29–37, 10 Aug 76

Ribosome metabolism in temperature-sensitive mutant of BHK cells. Kumar A, et al. **Nature** 259(5545):692–4, 26 Feb 76

Intact 3' end of 16S rRNA is not required for specific mRNA binding. Ravetch JV, et al. **Nature** 262(5564):150–3, 8 Jul 76

Specific release of ribosomal proteins by nucleic acid-intercalating agents. Ballesta JP, et al. **Nucleic Acids Res** 3(5):1307–22, May 76

Specific in situ cleavage of 16S ribosomal RNA of Escherichia coli interferes with the function of initiation factor IF-1. Baan RA, et al. **Proc Natl Acad Sci USA** 73(3):702–6, Mar 76

Binding of ribosomal protein S1 of Escherichia coli to the 3' end of 16S rRNA. Dahlberg AE, et al. **Proc Natl Acad Sci USA** 72(8):2940–4, Aug 75

Changes in ribosomal RNA processing paths in resting and phytohemagglutinin-stimulated guinea pig lymphocytes. Purtell MJ, et al. **Proc Natl Acad Sci USA** 72(9):3315–9, Sep 75

Identification of a region in 23S rRNA located at the peptidyl transferase center. Sonenberg N, et al. **Proc Natl Acad Sci USA** 72(11):4332–6, Nov 75

How ribosomes select initiator regions in mRNA: base pair formation between the 3' terminus of 16S rRNA and the mRNA during initiation of protein synthesis in Escherichia coli. Steitz JA, et al. **Proc Natl Acad Sci USA** 72(12):4734–8, Dec 75

[Nucleotide alterations of 18 S and 28 S ribosomal RNA from rat liver during carcinogenesis induced by N-nitrosomorpholine (author's transl)] Hümpel M. **Z Krebsforsch** 84(3):311–23, 25 Nov 75 (Eng. Abstr.)

Transport and processing of ribosomal RNA in plant cells after treatment with cycloheximide. Gebauer HU, et al. **Z Naturforsch [C]** 30(2):213–8, Mar-Apr 75

Study of the type of RNA, degraded by polynucleotide phosphorylase in polyribosomal fraction of rat liver] Del'vig AA. **Biokhimiia** 40(6):1246–54, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Binding of tetranucleotides with 5S RNA from liver] Sëzt MB, et al. **Mol Biol** 8(5):723–8, Sep-Oct 74 (Eng. Abstr.) **(Rus)**

[Changes in the content of ribosomal RNA and the activity of ribosomal RNAase in the brain under natural physiological conditions] Khachatryan GS, et al. **Vopr Med Khim** 21(3):264–8, May-Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[RNA fragments, in vivo inhibitors of Shope fibroma and vaccinia virus multiplication] Beljanski M, et al. **C R Acad Sci [D] (Paris)** 280(6):783–9, 10 Feb 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Binding of aminoacyl tRNA to ribosomes: a function of 5S-RNA. Erdmann VA, et al. **Acta Biol Med Ger** 33(5–6):605–8, 1974

Ribosomal gene amplification in oocytes and in primitive eukaryotes. pp. 135–48. Gall JG.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Role of 5S RNA in assembly and function of the 50S subunit from Escherichia coli. Dohme F, et al. **Proc Natl Acad Sci USA** 73(7):2221–5, Jul 76

RADIATION EFFECTS

U.V. induced covalent crosslinking of E. coli ribosomal RNA to specific proteins. Baca OG, et al. **Biochem Biophys Res Commun** 70(4):1091–6, 21 Jun 76

Evidence for photoinduced cross-linkage, in situ, of 30S ribosomal proteins to 16S rRNA. Gorelic L. **Biochemistry** 14(21):4627–33, 21 Oct 75

Photoinduced cross-linkage, in situ, of Escherichia coli 30S ribosomal proteins to 16S rRNA: identification of cross-linked proteins and relationships between reactivity and ribosome structure. Gorelic L. **Biochemistry** 15(16):3579–90, 10 Aug 76

Photoinduced convalent crosslinkage, in situ, of Escherichia coli 50 S ribosomal proteins to rRNA. Gorelic L. **Biochim Biophys Acta** 390(2):209–25, 1 May 75

Specific cross-linking of proteins S7 and L4 to ribosomal RNA, by UV irradiation of Escherichia coli ribosomal subunits. Möller K, et al. **Mol Gen Genet** 141(4):343–55, 9 Dec 75

[Formation, by gamma irradiation, of RNA-protein cross-links in E. coli ribosomes] Ekert B, et al. **C R Acad Sci [D] (Paris)** 282(10):1053–6, 8 MAR 76 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Vaccines. III. Vaccines of cellular fractions] Bojalil LF. **Gac Med Mex** 111(4):263–7, Apr 76 **(Spa)**

RNA RODENT VIRUSES

IMMUNOLOGY

Immunity to C-type RNA viruses: antibody formation after natural or deliberate infection. Schwartz RS, et al. **J Immunol** 116(3):657–60, Mar 76

RNA, TRANSFER

Interference by unstable nucleotides in the study of enzymes that cleave N-glycoside bonds in nucleic acids. Farkas WR, et al. **Anal Biochem** 74(1):126–31, Jul 76

A sensitive and reproducible procedure for the assay of arginyl-tRNA:protein arginyl transferase. Horinishi H, et al. **Anal Biochem** 75(1):22–9, Sep 76

Transfer RNA: molecular structure, sequence, and properties. Rich A, et al. **Annu Rev Biochem** 45:805–60, 1976 (320 ref.)

Interaction of the low molecular weight form of elongation factor 1 with guanine nucleotides and aminoacyl-tRNA. Nagata S, et al. **Arch Biochem Biophys** 172(1):168–77, Jan 76

Studies of the complex between transfer RNA molecules and complementary anticodons: kinetic and thermodynamic aspects. Grosjean H, et al. **Arch Int Physiol Biochim** 83(5):970–1, Dec 75

The primary structure of tRNA Phe from Bacillus stearothermophilus and its analogy with other tRNA's from different origins. Takada-Guerrier C, et al. **Arch Int Physiol Biochim** 83(5):1001–3, Dec 75

Proceedings: The primary structure of tRNA2Val from Bacillus stearothermophilus and its analogy with tRNAVal species from different origins. Takada-Guerrier C, et al. **Arch Int Physiol Biochim** 84(1):187–8, Feb 76

Salt induced deprotonation of initially salt-free transfer RNA. Augustyniak J, et al. **Biochem Biophys Res Commun** 68(3):746–53, 9 Feb 76

Anticodon loop sequences of transfer RNA Ser CGA and transfer RNA Ser IGA from the posterior silkgland of Bombyx mori L. Hentzen D, et al. **Biochem Biophys Res Commun** 71(1):241–48, 12 Jul 76

Studies of odd bases in yeast mitochondrial tRNA: II. Characterization of rare nucleosides. Martin R, et al. **Biochem Biophys Res Commun** 70(3):997–1002, 7 Jun 76

Studies on the ribothymidine content of specific rat and human tRNAs: a postulated role for 5-methyl cytosine in the regulation of ribothymidine biosynthesis. Roe BA, et al. **Biochem Biophys Res Commun** 68(4):1339–47, 23 Feb 76

Studies of odd bases in yeast mitochondrial tRNA: III. Characterization of the tRNA methylases associated with the mitochondria. Schneller C, et al. **Biochem Biophys Res Commun** 70(3):1003–8, 7 Jun 76

Idealized atomic coordinates of yeast phenylalanine transfer RNA. Sussman JL, et al. **Biochem Biophys Res Commun** 68(1):89–96, 12 Jan 76

Isoaccepting lysine transfer ribonucleic acid species of Pseudomonas aeruginosa. Thimmappaya B, et al. **Biochem J** 151(2):377–86, Nov 75

The relation of structure and function of transfer ribonucleic acid, with special reference to phenylalanine and methionine transfer ribonucleic acids. Clark BF. **Biochem Soc Trans** 3(5):645–9, 1975

Stereochemical and functional aspects of transfer ribonucleic acids. Cramer F. **Biochem Soc Trans** 3(5):640–1, 1975

The three-dimensional structure of yeast phenylalanine transfer ribonucleic acid and its interaction with aminoacyl synthetases. Rich A. **Biochem Soc Trans** 3(5):641–5, 1975

Localization of the structural change induced in tRNA fMET (Escherichia coli) by acidic pH. Bina-Stein M, et al. **Biochemistry** 14(19):4185–91, 23 Sep 75

Raman spectra and structure of yeast phenylalanine transfer RNA in the crystalline state and in solution. Chen MC, et al. **Biochemistry** 14(20):4385–91, 7 Oct 75

Nucleotide sequence of phenylalanine transfer ribonucleic acid from pea (Pisum sativum, Alaska). Everett GA, et al. **Biochemistry** 15(5):1016–21, 9 Mar 76

Rate of tritium labeling of specific purines in relation to nucleic acid and particularly transfer RNA conformation. Gamble RC, et al. **Biochemistry** 15(13):2791–9, 29 Jun 76

Structural analysis of O2'-methyl-5-carbamoylmethyluridine, a newly discovered constituent of yeast transfer RNA. Gray MW. **Biochemistry** 15(14):3046–51, 13 Jul 76

Thermal unfolding of yeast glycine transfer RNA. Hilbers CW, et al. **Biochemistry** 15(9):1874–82, 4 May 76

Structure of the modified nucleoside Q isolated from Escherichia coli transfer ribonucleic acid. 7-(4,5-cis-Dihydroxy-1-cyclopenten-3-ylaminomethyl)-7 Kasai H, et al. **Biochemistry** 14(19):4198–208, 23 Sep 75

Structure of wye (Yt base) and wyosine (Yt) from Torulopsis utilis phenylalanine transfer ribonucleic acid. Kasai H, et

al. **Biochemistry** 15(4):898–904, 24 Feb 76

1H nuclear magnetic resonance of modified bases of valine transfer ribonucleic acid (Escherichia coli). A direct monitor of sequential thermal unfolding. Kastrup RV, et al. **Biochemistry** 14(16):3612–8, 12 Aug 75

The mechanism of the aminoacylation of transfer ribonucleic acid: enzyme–product dissociation is not rate limiting. Lövgren TN, et al. **Biochemistry** 15(12):2533–40, 15 Jun 76

A study of secondary and tertiary solution structure of yeast tRNA(Asp) by nuclear magnetic resonance. Assignment of G.U ring NH and hydrogen-bonded base pair proton resonances. Robillard GT, et al. **Biochemistry** 15(9):1883–8, 4 May 76

Nuclear magnetic resonance investigation of the base–pairing structure of Escherichia coli tRNATyr monomer and dimer conformations. Rordorf BF, et al. **Biochemistry** 15(15):3320–30, 27 Jul 76

Comparison of isotope labeling patterns of purines in three specific transfer RNAs. Schoemaker HJ, et al. **Biochemistry** 15(13):2800–3, 29 Jun 76

Codon–dependent rearrangement of the three–dimensional structure of phenylalanine tRNA, exposing the T–psi–C–G sequence for binding to the 50S ribosomal subunit. Schwarz U, et al. **Biochemistry** 15(11):2484–90, 1 Jun 76

4–Thiouridine, a built–in probe for structural changes in transfer RNA. Shalitin N, et al. **Biochemistry** 15(10):2092–7, 18 May 76

Equilibrium binding of magnesium(II) by Escherichia coli tRNAfMet. Stein A, et al. **Biochemistry** 15(1):157–60, 13 Jan 76

Conformational changes of transfer RNA. The role of magnesium(II). Stein A, et al. **Biochemistry** 15(1):160–8, 13 Jan 76

Fluorescence detected circular dichroism study of the anticodon loop of yeast tRNAPhe. Turner DH, et al. **Biochemistry** 14(17):3794–9, 26 Aug 75

Influence of temperature and magnesium ions on the secondary and tertiary structures of tRNAPhe and 23 S RNA – infrared investigations. Herbeck R, et al. **Biochim Biophys Acta** 418(1):52–62, 5 Jan 76

Purification and characterization of tRNAMet–f, tRNAPhe and tRNATyr2 from Baccillus subtilis. Raettig R, et al. **Biochim Biophys Acta** 435(2):109–18, 18 Jun 76

Specific cleavages of pure tRNAs by plumbous ions. Werner C, et al. **Biochim Biophys Acta** 432(2):161–75, 3 May 76

Role of valyl–tRNA in the regulation of the biosynthesis of valyl–, isoleucyl–, and leucyl–tRNA synthetases in yeast. Ehresmann B, et al. **Biochimie** 56(10):1341–5, 1974

Kinetics of conformational changes in tRNA Phe (yeast) as studied by the fluorescence of the Y–base and of formycin substituted for the 3'–terminal adenine. Coutts SM, et al. **Biophys Chem** 3(4):275–89, Oct 75

The structure of the anticodon loop of tRNAPhe from yeast as deduced from spectroscopic studies on oligonucleotides. Maelicke A, et al. **Biopolymers** 14(1):155–71, Jan 75

High–resolution NMR study of yeast tRNA Leu CUA and the native and denatured conformers of yeast tRNA Leu UUG. Rordorf BF, et al. **Biopolymers** 15(2):325–336, Feb 76

Investigation of the thermal unfolding of secondary and tertiary structure in E. coli tRNAfMet by high–resolution Nmr. Wong KL, et al. **Biopolymers** 14(4):749–62, Apr 75

Acceleration of RNA renaturation by nucleic acid unwinding proteins. Karpel RL, et al. **Brookhaven Symp Biol** (26):165–74, Jul 75

Analysis of O2'–methylnucleoside 5'–phosphates in snake venom hydrolysates of RNA: identification of O2'–methyl–5–carboxymethyluridine as a constituent of yeast transfer RNA. Gray MW. **Can J Biochem** 53(7):735–46, Jul 75

Modified 5'–nucleotides resistant to 5'–nucleotidase: isolation of 3–(3–amino–3–carboxypropyl) uridine 5'–phosphate and N2, N2–dimethylguanosine 5'–phosphate from snake venom hydrolysates of transfer RNA. Gray MW. **Can J Biochem** 54(5):413–22, May 76

Interaction of normal and tumor transfer RNA methyltransferases with ethionine–induced methyl–deficient rat liver transfer RNA. Kerr SJ. **Cancer Res** 35(11 Pt 1):2969–73, Nov 75

Conformation of Escherichia coli glutamic acid tRNA II as studied by hydrogen–tritium exchange catalyzed by cysteine methyl ester. **Eur J Biochem** 64(1):27–34, 15 Apr 76

Thermal melting curves of tRNAPhe from yeast lacking different numbers of nucleotides from the 3'–end. Beltchev B, et al. **Eur J Biochem** 64(2):507–10, 1 May 76

Reconstitution of chemically synthesized ribooligonucleotides with naturally occurring tRNA fragments. Ohtsuka E, et al. **Eur J Biochem** 66(2):251–5, 1 JUL 76

On the interaction of seryl–tRNA synthetase with tRNA Ser. A contribution to the problem of synthetase–tRNA recognition. Rigler R, et al. **Eur J Biochem** 65(1):307–15, 17 May 76

tRNA conformation and magnesium binding. A study of a yeast phenylalanine–specific tRNA by a fluorescent indicator and differential melting curves. Römer R, et al. **Eur J Biochem** 55(1):271–84, 16 Jun 75

Tertiary structure of tRNAPhe (yeast): kinetics and electrostatic repulsion. Urbanke C, et al. **Eur J Biochem** 55(2):439–44, 1 Jul 75

Amino–acid incorporation into tRNA fragments and into heterologous combinations of fragments. Wübbeler W, et al. **Eur J Biochem** 59(2):405–13, 15 Nov 75

The site of reaction on ribosomal protein L27 with an affinity label derivative of tRNA Met f. Collatz E, et al. **FEBS Lett** 63(2):283–6, 1 Apr 76

The preliminary sequence of tRNA Met F from Anacystis nidulans compared with other initiator tRNAs. Ecarot–Charrier B, et al. **FEBS Lett** 63(2):287–90, 1 Apr 76

The primary structure of tRNAPhe from Bacillus stearothermophilus. Guerrier–Takada C, et al. **FEBS Lett** 60(2):286–9, 15 Dec 75

Purification and base composition of a chloroplastic tRANphe from Phaseolus vulgaris. Guillemaut P, et al. **FEBS Lett** 63(2):273–7, 1 Apr 76

The binary code for protein–nucleic acid recognition with repulsive guanine: application to tRNA case. Ivanov VI. **FEBS Lett** 59(2):282–6, 15 Nov 75

The primary structure of tRNA2Val from Bacillus stearothermophilus. Takada–Guerrier C, et al. **FEBS Lett** 62(1):1–3, 1 Feb 76

Tertiary structure interactions of 7–methylguanosine in yeast tRNA Phe as studied by borohydride reduction. Wintermeyer W, et al. **FEBS Lett** 58(1):306–9, 15 Oct 75

The pseudouridine modification in the anticodon region of tRNA. pp. 79–86. Cortese R, et al.
In: Antoni F, Farago A, ed. Post–synthetic modification of macromolecules. Amsterdam, North–Holland, 1975. W3 FE322 9th 1974 v.34.

Modification of transfer ribonucleic acid: structure and biosynthesis of minor components. pp. 67–78. Nishimura S.
In: Antoni F, Farago A, ed. Post–synthetic modification of macromolecules. Amsterdam, North–Holland, 1975. W3 FE322 9th 1974 v.34.

Temperature effects on transfer RNA. pp. 103–17. Reid BR.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

A bacterial gene for tyrosine transfer RNA: promoter and terminator sequences and progress in total synthesis. pp. 371–95. Khorana HG.
In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974.

tRNA structure in viral genomes and its possible role in gene replication and translation. pp. 21–9. Prochiantz A, et al.
In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Influence of monovalent cations on aminoacylation of transfer RNA. Deobagkar DN, et al. **Indian J Biochem Biophys** 13(1):24–30, Mar 76

Physiological and biochemical studies on the function of 5–methyluridine in the transfer ribonucleic acid of Escherichia coli. Björk GR, et al. **J Bacteriol** 124(1):99–111, Oct 75

Proceedings: Characterization, function, and biosynthesis of modified nucleotides in tRNA. Nishimura S. **J Biochem (Tokyo)** 79(4):35P, Apr 76

Fluorescence polarization studies on the local conformation of yeast tRNA. Okabe N, et al. **J Biochem (Tokyo)** 77(6):1335–40, Jun 75

Evidence for a conformational change in tRNAPhe upon aminoacylation. Caron M, et al. **J Biol Chem** 251(5):1529–30, 10 Mar 76

Escherichia coli tyrosine transfer ribonucleic acid genes. Nucleotide sequences of their promoters and of the regions adjoining C–C–A ends. Contreras R, et al. **J Biol Chem** 251(17):5124–40, 10 Sep 76

Interaction of bacterial initiation factor 2 with initiator tRNA. Sundari RM, et al. **J Biol Chem** 251(11):3338–45, 10 Jun 76

Molecular hybridization of iodinated 4S, 5S, and 18S + 28S RNA to salamander chromosomes. León PE. **J Cell Biol** 69(2):287–300, May 76

Studies of the complex between transfer RNAs with complementary anticodons. I. Origins of enhanced affinity between complementary triplets. Grosjean H, et al. **J Mol Biol** 103(3):499–519, 25 May 76

Nuclear magnetic resonance of the base–pairing structure of the native and denatured conformers of Escherichia coli transfer RNATrp. Jones CR, et al. **J Mol Biol** 103(4):747–64, 5 Jun 76

Stabilization of the native tertiary stucture of yeast tRNALeu3 by cationic metal complexes. Karpel RL, et al. **J Mol Biol** 97(4):519–32, 5 Oct 75

Detection of a major conformational change in transfer ribonucleic acid by laser light scattering. Olson T, et al. **J Mol Biol** 102(2):193–203, 5 Apr 76

Small–angle x–ray scattering study of the interaction between lysine transfer RNA ligase from yeast and transfer RNA. Osterberg R, et al. **J Mol Biol** 99(3):383–93, 15 Dec 75

A calorimetric investigation of tRNAVal1 melting. Privalov PL, et al. **J Mol Biol** 97(3):279–88, 25 Sep 75

Accessible and inaccessible bases in yeast phenylalanine transfer RNA as studied by chemical modification. Rhodes D. **J Mol Biol** 94(3):449–60, 25 May 75

Transfer RNA: evidence for decreasing size variation during evolution. Gross HJ. **J Mol Evol** 2(4):339–42, 27 Nov 73

The stochastic model and deviations from randomness in eukaryotic tRNAs: comparison with the PAM approach. Holmquist R. **J Mol Evol** 2(2–3):145–8, 1973

Isoaccepting species of serine tRNA coded by bacteriophage T5sto. Henckes G, et al. **J Virol** 17(2):316–25, Feb 76

Binding of aminoacyl–tRNA to rat liver ribosomal proteins. Reyes R, et al. **Mol Biol Rep** 2(6):471–7, Jul 76

Conformational peculiarities of tRNAMetf from E. coli as revealed by fluorescent methods. Surovaya AN, et al. **Mol Biol Rep** 2(6):487–95, Jul 76

Deletion mapping of mitochondrial transfer RNA genes in Saccharomyces cerevisiae by means of cytoplasmic petite mutants. Fukuhara H, et al. **Mol Gen Genet** 145(1):7–17, 23 Apr 76

Letter: Quantification of secondary and tertiary structure base pairs in E. coli tRNA1Val. Bolton PH, et al. **Nature** 262(5567):423–4, 29 Jul 76

'Non–rigid' nucleotides in tRNA: a new correlation in the conformation of a ribose. Jack A, et al. **Nature** 261(5557):250–1, 20 May 76

pi turn is a conformational pattern in RNA loops and bends. Kim SH, et al. **Nature** 260(5552):645–6, 15Apr 76

Raman spectra of transfer RNAs with ultraviolet lasers. Nishimura Y, et al. **Nature** 260(5547):173–4, 11 Mar 76

Demonstration and origin of six tertiary base pair resonances in the NMR spectrum of E. coli tRNA1Val. Reid BR, et al. **Nature** 257(5524):287–91, 25 Sep 75

Similarity of the crystal and solution structure of yeast tRNAPhe. Robillard GT, et al. **Nature** 262(5567):363–9, 29 Jul 76

Base pairing and fidelity in codon–anticodon interaction. Topal MD, et al. **Nature** 263(5575):289–93, 23 Sep 76

Quinacrine (atebrin): interactions with RNA and with ribosomes. Krey AK, et al. **Naturwissenschaften** 62(2):99–100, Feb 75

Utilization of an Escherichia coli mutant for carbon–13 enrichment of tRNA for NMR studies. Agris PF, et al. **Nucleic Acids Res** 2(9):1503–12, Sep 75

A modified uridine in the anticodon of E. coli tRNA I Tyr su + oc. Altman S. **Nucleic Acids Res** 3(2):441–8, Feb 76

Spectroscopic properties of various 2'(3')–O–aminoacyldinucleoside phosphates analogous to the 3' terminus of AA–tRNA. Bobst AM, et al. **Nucleic Acids Res** 3(1):63–8, Jan 76

Anticodon conformation and accessibility in wild–type and suppressor tryptophan tRNA from E. coli. Buckingham RH. **Nucleic Acids Res** 3(4):965–75, Apr 76

A spin label study of the thermal unfolding of secondary and tertiary structure in E. colic transfer RNAs. Caron M, et al. **Nucleic Acids Res** 3(1):35–47, Jan 76

Specific spin–labeling of transfer ribonucleic acid molecules. Caron M, et al. **Nucleic Acids Res** 3(1):19–34, Jan 76

tRNA tertiary structure in solution as probed by the photochemically induced 8–13 cross–link. Favre A, et al. **Nucleic Acids Res** 2(8):1421–31, 8 AUG 75

A chemical approach to studies of the three–dimensional structure of tRNA – alkylation with a reagent covalently bound to a 'peculiar site'. Grachev MA, et al. **Nucleic Acids Res** 2(8):1237–60, 8 AUG 75

Comparative base compositions of chloroplast and cytoplasmic tRNAPhe's from Euglena gracilis. Hecker LI, et al. **Nucleic Acids Res** 3(2):371–80, Feb 76

Atomic co–ordinates for yeast phenylalanine tRNA. Ladner JE, et al. **Nucleic Acids Res** 2(9):1629–37, Sep 75

The involvement of the anticodon adjacent modified nucleoside N–(9–(BETA–D–ribofuranosyl) purine–6–ylcarbamoyl)–threonine in the biological function of E. coli tRNAile. Miller JP, et al. **Nucleic Acids Res** 3(5):1185–201, May 76

An improved method for the separation and quantitation of the modified nucleosides of transfer RNA. Rogg H, et al. **Nucleic Acids Res** 3(1):285–95, Jan 76

Tritium labelling of nucleic acids accompanied by conversion of cytosine to uracil. Scheinker VS. **Nucleic Acids Res** 3(3):809–16, Mar 76

Role of modified nucleosides in tRNA: effect of modification of the 2–thiouridine derivative located at the 5'–end of the anticodon of yeast transfer RNA Lys2. Sen GC, et al. **Nucleic Acids Res** 3(3):523–35, Mar 76

Atomic coordinates and molecular conformation of yeast phenylalanyl tRNA. An independent investigation. Stout CD, et al. **Nucleic Acids Res** 3(4):1111–23, Apr 76

Physical studies of denatured tRNA2Glu from Escherichia coli. Bina–Stein M, et al. **Proc Natl Acad Sci USA** 73(7):2216–20, Jul 76

Proton nuclear magnetic resonance of spin–labeled Escherichia coli tRNAf1MET. Daniel WE Jr, et al. **Proc Natl Acad Sci USA** 72(7):2582–6, Jul 75

31P magnetic resonance of tRNA. Guéron M, et al. **Proc Natl Acad Sci USA** 72(9):3482–5, Sep 75

Transfer of tRNAs to somatic cells mediated by Sendai–virus–induced fusion. Kaltoft K, et al. **Proc Natl Acad Sci USA** 73(8):2793–7, Aug 76

Structure of yeast phenylalanine transfer RNA at 2.5 A resolution. Ladner JE, et al. **Proc Natl Acad Sci USA** 72(11):4414–8, Nov 75

Hydrogen bonding in yeast phenylalanine transfer RNA. Quigley GJ, et al. **Proc Natl Acad Sci USA** 72(12):4866–70, Dec 75

Interaction of elongation factor Tu with 2'(3')–O–aminoacyloligonucleotides derived from the 3' terminus of aminoacyl–tRNA. Ringer D, et al. **Proc Natl Acad Sci USA** 72(8):2950–4, Aug 75

Three–dimensional structure of transfer RNA. Kim SH. **Prog Nucleic Acid Res Mol Biol** 17:181–216, 1976 (117 ref.)

Effects of polyamines on the structure and reactivity of tRNA. Sakai TT, et al.

Prog Nucleic Acid Res Mol Biol 17:15–42, 1976 (116 ref.)

Three-dimensional structure of a transfer rna in two crystal forms. Sussman JL, et al. **Science** 192(4242):853–8, 28 May 76

[Intramolecular addressed alkylation of 2',3'-0-(4-(chloroethyl-methylamino)benzylidene)-tRNA] Vlasov VV, et al. **Mol Biol** 8(5):752–61, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[The primary structure of tRNA Val 2a from baker's yeast] Aksel'rod VD, et al. **Mol Biol (Mosk)** 9(1):55–62, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Recognition between tRNAs and aminoacyl-tRNA-synthetases of different specificities] Bonne Zh, et al. **Mol Biol (Mosk)** 9(1):48–54, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[The mechanism of the reaction forming tryptophanyl-tRNA, catalyzed by tryptophan:tRNA-ligase] Kochkina LL, et al. **Mol Biol (Mosk)** 10(2):437–44, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Modification of tRNA 1 Val from yeast with monoperphthalic acid] Sheinker VSh, et al. **Mol Biol (Mosk)** 9(1):105–12, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Sequence studies on tRNAPhe from placenta: comparison with known sequences of tRNAPhe from other normal mammalian tissues. Roe BA, et al. **Biochem Biophys Res Commun** 66(4):1097–105, 27 Oct 75

Amino acids attached to transfer ribonucleic acid in vivo. Butler M, et al. **Biochem J** 150(3):419–32, Sep 75

The nucleotide sequence of cysteine transfer ribonucleic acid from baker's yeast. Products of complete digestion with pancreatic ribonuclease and ribonuclease T1. Holness NJ, et al. **Biochem J** 153(2):437–46, 1 Feb 76

The nucleotide sequence of cysteine transfer ribonucleic acid from baker's yeast. Identification of the products from partial degradation of the molecule and derivation of the complete sequence. Holness NJ, et al. **Biochem J** 153(2):447–54, 1 Feb 76

5-Carbamoylmethyluridine: a new minor nucleoside of transfer ribonucleic acid. Dunn DB, et al. **Biochem Soc Trans** 3(5):656–9, 1975

Transfer ribonucleic acid from Scenedesmus obliquus D3. Jones DS, et al. **Biochem Soc Trans** 3(5):660–1, 1975

Purification of human placenta phenylalanine, valine, methionine, glucine, and serine transfer ribonucleic acids. Amandaraj MP, et al. **Biochemistry** 14(23):5068–73, 18 Nov 75

Identification of a modified nucleoside in Escherichia coli tRNA1Ser as 2'-O-methylcytidine. Yamada Y, et al. **Biochim Biophys Acta** 402(3):285–7, 1 Sep 75

Transfer RNA and protein synthesis. Rich A. **Biochimie** 56(11–12):1441–9, 1974 (21 ref.)

Proceedings: Studies of tRNAVal isolated from chich embryo liver irradiated in ovo. Gyenge L, et al. **Br J Cancer** 32(6):766–7, Dec 75

Genetic and structural analysis of transfer RNA. Smith JD. **Br Med Bull** 29(3):220–5, Sep 73

Biochemical research on oogenesis. Comparison between transfer RNAs from somatic cells and from oocytes in Xenopus laevis. Denis H, et al. **Eur J Biochem** 58(1):43–50, 1 Oct 75

Biochemical research on oogenesis. Nucleotide sequence of initiator tRNA from oocytes and from somatic cells of Xenopus laevis. Wegnez M, et al. **Eur J Biochem** 60(1):295–302, 1 Dec 75

The primary structure of tRNAIIArg from brewers' yeast. 1. Complete digestions with pancreatic and T1 ribonucleases. Weissenbach J, et al. **Eur J Biochem** 56(2):521–6, 15 Aug 75

The primary structure of tRNAIIAgr from brewers' yeast. 2. Partial digestion with ribonuclease T1 and derivation of the complete sequence. Weissenbach J, et al. **Eur J Biochem** 56(2):527–32, 15 Aug 75

The primary structure of a non-initiating methionine specific tRNA from brewer's yeast. Gruhl H, et al. **FEBS Lett** 57(2):145–8, 15 Sep 75

Thionucleoside composition of transfer RNAs in Bacillus subtilis and Salmonella typhimurium. Rao YS, et al. **Indian J Biochem Biophys** 12(2):183–4, Jun 75

Letter: The structure of Q nucleoside isolated from rabbit liver transfer ribonucleic acid. Kasai H, et al. **J Am Chem Soc** 98(16):5044–6, 4 Aug 76

Undermethylated transfer ribonucleic acid from a relaxed strain of Bacillus subtilis: construction of the strain and analysis of the transfer ribonucleic acid. Keisel N, et al. **J Bacteriol** 126(1):294–9, Apr 76

Modified nucleosides of Bacillus subtilis transfer ribonucleic acids. Vold B. **J Bacteriol** 127(1):258–67, Jul 76

Site of cleavage of superhelical phiX174 replicative form DNA by the single strand-specific Neurospora crassa endonuclease. Bartok K, et al. **J Biol Chem** 251(2):530–5, 25 Jan 76

The physical mapping of bacteriophage T5 transfer tRNAs. Chen MJ, et al. **J Biol Chem** 251(2):536–47, 25 Jan 76

Doublet frequencies in sequenced nucleic acids. Elton RA. **J Mol Evol** 4(4):323–46, 24 Mar 75

Lysine tRNA's associated with avian myeloblastosis virus 70S RNA. Carlson JV, et al. **J Virol** 19(2):760–3, Aug 76

Nucleotide sequence that binds primer for DNA synthesis to the avian sarcoma virus genome. Cordell B, et al. **J Virol** 19(2):548–58, Aug 76

tRNA's associated with the 70S RNA of avian myeloblastosis virus. Waters LC, et al. **J Virol** 16(6):1608–14, Dec 75

Occurrence of trans-ribosylzeatin in Agrobacterium tumefaciens tRNA. Chapman RW, et al. **Nature** 262(5564):153–4, 8 Jul 76

Nonsense suppressors of Saccharomyces cerevisiae can be generated by mutation of the tyrosine tRNA anticodon. Piper PW, et al. **Nature** 262(5571):757–61, 26 Aug 76

Primary structure of tRNA Arg II of E. coli B. Chakrabortty K. **Nucleic Acids Res** 2(10):1787–92, Oct 75

Distribution of the modified nucleoside Q and its derivatives in animal and plant transfer RNA's. Kasai H, et al. **Nucleic Acids Res** 2(10):1931–9, Oct 75

Site of aminoacylation of tRNAs from Escherichia coli with respect to the 2'- or 3'-hydroxyl group of the terminal adenosine. Sprinzl M, et al. **Proc Natl Acad Sci USA** 72(8):3049–53, Aug 75

[Reactivity of the 3'-terminal oligonucleotide Sequence C-A-C-C-A of tRNAPhe and tRNAVal from baker's yeast upon N-oxidation with monoperphthalic acid as compared to the oligonucleotides C-A-C-C-A and A-A-A-U-C-A-C-C-A (author's transl)] Solfert R, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1811–9, Nov 75 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Highly charged radioactive initiator methionyl transfer RNA from in vivo labeled HeLa cells. Bolcsfoldi G, et al. **Anal Biochem** 74(2):521–5, Aug 76

Natural modified nucleosides and chemical carcinogenesis: L-ethionine-dependent inhibition of N6-dimethyladenosine and 5-methylcytidine synthesis on the tRNA level in vivo. Gross HJ. **Ann NY Acad Sci** 255(751106–751230–2):564–6, 8 Aug 75

Inhibition of methylated nucleoside synthesis in vivo: accumulation of incompletely methylated transfer RNA in ethionine-treated cells of Escherichia coli B. Wainfan E, et al. **Ann NY Acad Sci** 255(751106–751230–2):567–75, 8 Aug 75

RNA synthesis during zoospore germination in the water mold Allomyces arbuscula. Croes AF, et al. **Antonie van Leeuwenhoek** 41(3):257–64, 1975

Bacteriophage lambda induction causes increased production of E. coli lysine transfer RNA. Kwong TC, et al. **Arch Biochem Biophys** 170(2):651–8, Oct 75

Proceedings: Controlled transcription of the synthetic gene for tyrosine transfer RNA. Contreras R, et al. **Arch Int Physiol Biochim** 84(1):145–7, Feb 76

Biosynthesis of mammalian transfer RNA. Evidence for regulation by deacylated transfer RNA. Hamilton TA, et al. **Biochim Biophys Acta** 435(4):362–75, 16 Jul 76

Study of the Escherichia coli tRNA nucleotidyltransferase. Specificity of the enzyme for nucleoside triphosphates. Carré D, et al. **Biochimie** 56(11–12):1451–7, 1974

Processing of E. coli tRNA Tyr precursor RNA in vitro. Altman S, et al. **Brookhaven Symp Biol** (26):12–25, Jul 75

Processing of tRNA precursors in higher organisms. Burdon RH. **Brookhaven Symp Biol** (26):138–53, Jul 75

Clustered tRNA genes in Escherichia coli: transcription and processing. Carbon J, et al. **Brookhaven Symp Biol** (26):26–36, Jul 75

Synthesis of the CCA terminus of transfer RNA. Deutscher MP, et al. **Brookhaven Symp Biol** (26):124–37, Jul 75

tRNA gene clusters in Escherichia coli DNA. Fournier MJ, et al. **Brookhaven Symp Biol** (26):37–43, Jul 75

Inhibition of post-transcriptional modification of E. coli tRNA. Kitchingman GR, et al. **Brookhaven Symp Biol** (26):44–52, Jul 75

Temperature-sensitive mutants of Escherichia coli defective in tRNA biosynthesis. Ozeki H, et al. **Brookhaven Symp Biol** (26):89–105, Jul 75

Processing of E. coli tRNA precursors. Schedl P, et al. **Brookhaven Symp Biol** (26):53–76, Jul 75

Biosynthesis of tRNA in the posterior silk gland of Bombyx mori. Siddiqui MA, et al. **Brookhaven Symp Biol** (26):154–64, Jul 75

Mutants which allows accumulation of tRNATyr precursor molecules. Smith JD. **Brookhaven Symp Biol** (26):1–11, Jul 75

In vitro processing of E. coli tRNA precursors. Schedl P, et al. **Cell** 8(4):581–94, Aug 76

A mutant of escherichia coli defective in removing 3' terminal nucleotides from some transfer RNA precursor molecules. Seidman JG, et al. **Cell** 5(4):389–400, Aug 75

Numbers of 5S and tRNA genes in macro- and micronuclei of Tetrahymena pyriformis. Kimmel AR, et al. **Chromosoma** 54(4):327–37, 10 Mar 76

A reexamination of the leucine tRNAs and the leucyl-tRNA synthetase in developing Tenebrio molitor. Lassam NJ, et al. **Dev Biol** 49(1):268–77, Mar 76

Mouse histidyl-tRNAs during pregnancy. Differentiation of activity profiles within and between organs. de León V, et al. **Differentiation** 4(2):65–72, 16 Oct 75

tRNA nucleotidyltransferase-catalyzed incorporation of CMP and AMP into RNA-bacteriophage genome fragments. Prochiantz A, et al. **Eur J Biochem** 52(1):17–23, 3 Mar 75

Studies on the amount and location of the tRNA and 5-S rRNA genes in Tetrahymena pyriformis GL. Tonnesen T, et al. **Eur J Biochem** 63(2):399–407, 1 Apr 76

Proceedings: Transfer RNA synthesis in vitro. Daniel V, et al. **Isr J Med Sci** 11(11):1209, Nov 75

Valyl-transfer RNA formation stimulated by monovalent cations and spermine in rat liver. Romano M, et al. **Ital J Biochem** 25(3):245–50, May–Jun 76

Letter: Magnetic resonance spectroscopy on carbon-13 labeled uracil in transfer ribonucleic acid. Hamill WD Jr, et al. **J Am Chem Soc** 98(5):1276–3, 3 Mar 76

Transductional mapping of gene trmA responsible for the production of 5-methyluridine in transfer ribonucleic acid of Escherichia coli. Björk GR. **J Bacteriol** 124(1):92–8, Oct 75

Inhibition of nucleoside Q formation in transfer ribonucleic acid during methionine starvation of relaxed-control Escherichia coli. Katze JR, et al. **J Bacteriol** 125(1):205–10, Jan 76

Unbalanced growth and the production of unique transfer ribonucleic acids in relaxed-control Escherichia coli. Kitchingman GR, et al. **J Bacteriol** 124(3):1382–94, Dec 75

The biosynthesis of transfer RNA in insects. I. Increase of amino acid acceptor activity of specific tRNA's utilized for silk protein biosynthesis in the silk gland of Bombyx mori. Majima R, et al. **J Biochem (Tokyo)** 78(2):391–400, Aug 75

Proceedings: Sequential processing of precursor tRNA molecules in Escherichia coli. Shimura Y. **J Biochem (Tokyo)** 79(4):34P–35P, Apr 76

In vitro synthesis of transfer RNA. I. Purification of required components. Bikoff EK, et al. **J Biol Chem** 250(16):6240–7, 25 Aug 75

In vitro synthesis of transfer RNA. II. Identification of required enzymatic activities. Bikoff EK, et al. **J Biol Chem** 250(16):6248–55, 25 Aug 75

Isolation and characterization of large transfer ribonucleic acid precursors from Escherichia coli. Ilgen C, et al. **J Biol Chem** 251(4):922–9, 25 Feb 76

Total synthesis of the structural gene for the precursor of a tyrosine suppressor transfer RNA from Escherichia coli. 1. General introduction. Khorana HG, et al. **J Biol Chem** 251(3):565–70, 10 Feb 76

Total synthesis of the structural gene for the precursor of a tyrosine suppressor transfer RNA from Escherichia coli. 11. Enzymatic joining to form the total DNA duplex. Kleppe R, et al. **J Biol Chem** 251(3):667–75, 10 Feb 76

A heterologous system for detecting eukaryotic enzymes which synthesize pseudouridine in transfer ribonucleic acids. Mullenbach GT, et al. **J Biol Chem** 251(15):4570–8, 10 Aug 76

A novel function of Escherichia coli transfer RNA nucleotidyltransferase. Biosynthesis of the C-C-A sequence in a phage T4 transfer RNA precursor. Schmidt FJ. **J Biol Chem** 250(21):8399–403, 10 Nov 75

Transfer ribonucleic acid biosynthesis. Substrate specificity of ribonuclease P. Schmidt FJ, et al. **J Biol Chem** 251(8):2440–5, 25 Apr 76

The nucleotide sequence in the promoter region of the gene for an Escherichia coli tyrosine transfer ribonucleic acid. Sekiya T, et al. **J Biol Chem** 251(15):4481–9, 10 Aug 76

Biosynthesis of transfer RNA: isolation and characterization of precursors to transfer RNA in the posterior silkgland of Bombyx mori. Chen GS, et al. **J Mol Biol** 96(1):153–70, 25 Jul 75

Precursor molecules of Escherichia coli transfer RNAs accumulated in a temperature-sensitive mutant. Ikemura T, et al. **J Mol Biol** 96(1):69–86, 25 Jul 75

Nucleotide alterations in bacteriophage T4 serine transfer RNA that affect the conversion of precursor RNA into transfer RNA. McClain WH, et al. **J Mol Biol** 99(4):717–32, 25 Dec 75

Isoaccepting mitochondrial glutamyl-tRNA species transcribed from different regions of the mitochondrial genome of Saccharomyces cerevisiae. Martin N, et al. **J Mol Biol** 101(3):285–96, 5 Mar 76

Five steps in the conversion of a large precursor RNA into bacteriophage proline and serine transfer RNAs. Seidman JG, et al. **J Mol Biol** 99(4):733–60, 25 Dec 75

Alteration in cellular RNAs during the in vitro lifespan of cultured human diploid fibroblasts. II. Synthesis and processing of RNA. Schneider EL, et al. **Mech Ageing Dev** 4(5–6):449–58, Sep–Dec 75

In vitro synthesis of tRNA precursors and their conversion to mature size tRNA. Daniel V, et al. **Nature** 257(5523):193–7, 18 Sep 75

Genetic perturbations that reveal tertiary conformation of tRNA precursor molecules. McClain WH, et al. **Nature** 257(5522):106–10, 11 Sep 75

Sequential processing of precursor tRNA molecules in Escherichia coli. Sakano H, et al. **Proc Natl Acad Sci USA** 72(9):3369–73, Sep 75

Transcription and processing of transfer RNA precursors. Smith JD. **Prog Nucleic Acid Res Mol Biol** 16:25–73, 1976 (211 ref.)

[Evolution of cytoplasmic tRNAphe in a haploid strain of Saccharomyces cerevisiae] Seigle-Murandi F, et al. **C R Acad Sci [D] (Paris)** 280(13):1559–62, 7 Apr 75 (Eng. Abstr.) **(Fre)**

[Cytokinins in microorganisms] Schlee D. **Pharmazie** 30(6):345–9, Jun 75 (78 ref.) **(Ger)**

[Aminoacyl-tRNA formation in the liver and skeletal muscles of rabbits under the influence of multiple injections of ACTH alone and in combination with sodium ribonucleinate] Germaniuk IaL, et al. **Probl Endokrinol (Mosk)** 22(2):83–6, 1976 (Eng. Abstr.) **(Rus)**

[Study of the ultrastructural and functional expression of the

hepatocyte genome under conditions of prolonged depression of protein biosynthesis by cycloheximide. III] Galkin AP, et al. **Tsitol Genet** 9(4):291–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD

Temperature sensitivity of protein synthesis initiation in the reticulocyte lysate system. Reduced formation of the 40 S ribosomal subunit – Met–tRNAf complex at an elevated temperature. Mizuno S. **Biochim Biophys Acta** 414(3):273–82, 19 Dec 75

CHEMICAL SYNTHESIS

Synthesis of ribo–oligonucleotides having the sequence of transfer ribonucleic acid. Ikehara M. **Ann NY Acad Sci** 255(751106–751230–2):71–81, 8 Aug 75

Studies on transfer ribonucleic acids and related compounds. X. synthesis of the yeast tyrosine tRNA 5'–terminal oligonucleotides. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 24(4):570–9, Apr 76

IMMUNOLOGY

Antibodies to native tRNA in NZB/NZW mice. Eilat D, et al. **Nature** 259(5539):141–3, 15 Jan 76

ISOLATION & PURIFICATION

Large–scale isolation of tRNA from barley embryos. Augustyniak J, et al. **Acta Biochim Pol** 23(1):3–11, 1976

Comparison of porcine liver tRNA preparations: purification of tRNA and its separation from RNA–peptidyl complexes. Kelly EP, et al. **Anal Biochem** 75(1):9–21, Sep 76

Separation of low molecular weight RNA by polyacrylamide gel electrophoresis. Varricchio F, et al. **Anal Biochem** 68(2):485–92, Oct 75

The extraction and purification of a cysteine transfer ribonucleic acid from baker's yeast. Holness NJ, et al. **Biochem J** 153(2):429–35, 1 Feb 76

Preparation of polyribosome aminoacyl–transfer ribonucleic acid from the muscle of chick embryos. Nwagwu M. **Biochem J** 147(3):473–7, Jun 75

Phenylalanyl–tRNA synthetase from baker's yeast: specificity and quantitation of affinity elution with tRNA. von der Haar. **Hoppe Seylers Z Physiol Chem** 357(6):819–23, Jun 76

Purification of tryptophan transfer RNA from chick cells and its identity with 'spot 1' RNA of Rous sarcoma virus. Waters LC, et al. **J Biol Chem** 250(16):6627–9, 25 Aug 75

Fractionation of specific mitochondrial and cytoplasmic tRNAs obtained from calf brain. Borkowski T, et al. **J Neurochem** 25(5):641–4, Nov 75

Identification of bacteriophage T4–specific precursor tRNA by using a host mutant defective in the methylation of tRNA. Björk GR. **J Virol** 16(3):741–4, Sep 75

A method for the isolation of specific tRNA precursors. Vögeli G, et al. **Proc Natl Acad Sci USA** 72(12):4790–4, Dec 75

METABOLISM

A contribution to the studies on donor site of peptidyl transferase with acylaminoacyl–nucleoside–5'–monophosphates. Cerná J, et al. **Acta Biol Med Ger** 33(5–6):877–83, 1974

Binding of aminoacyl tRNA to ribosomes: a function of 5S–RNA. Erdmann VA, et al. **Acta Biol Med Ger** 33(5–6):605–8, 1974

The biological function of the TpPsipCpGp loop (loop IV) of tRNAs in various ribosome–dependent reactions. Richter D, et al. **Acta Biol Med Ger** 33(5–6):609–11, 1974

Interaction of mammalian tRNA methyltransferases with heterologous and homologous tRNA. Kerr SJ. **Adv Enzyme Regul** 13:379–90, 1975

Interactions of plant viral RNAs and tRNA nucleotidyl transferase. Busto P, et al. **Ann Microbiol (Paris)** 127A(1):39–46, Jan 76

Alterations of transfer RNA during erythroid differentiation of murine virus–induced leukemia cells. Agris PF. **Arch Biochem Biophys** 170(1):114–23, Sep 75

A comparison of transfer RNA isoaccepting species between collagenous and noncollagenous tissues in the embryonic chick. Christner PJ, et al. **Arch Biochem Biophys** 172(2):399–409, Feb 76

Partial purification and characterization of a binding factor specific for initiator tRNA and ribosomal 40S subunits and of an aminoacyl–tRNA hydrolase specific for 40S–bound Met–tRNAf from rat liver. McCuiston J, et al. **Arch Biochem Biophys** 172(2):387–98, Feb 76

Protein synthesis in the cotyledons of Pisum sativum L. Messenger RNA–independent formation of a methionyl–tRNA initiation complex. Wells GN, et al. **Arch Biochem Biophys** 170(2):384–91, Oct 75

Why do organic solvents enhance mistakes in aminoacyl tRNA synthesis? Yarus M. **Arch Biochem Biophys** 174(1):350–4, May 76

Aminoacylation of Escherichia coli cysteine tRNA by selenocysteine. Young PA, et al. **Arch Biochem Biophys** 171(2):483–9, Dec 75

Proceedings: Studies of the complex between transfer RNA'S with complementary anticodons: origins of enhanced affinity between complementary triplets. Grosjean H, et al. **Arch Int Physiol Biochim** 84(1):163–4, Feb 76

Selective changes in methionine tRNA species during development of the posterior silkglands of Bombyx mori. Araya A, et al. **Biochem Biophys Res Commun** 67(3):924–34, 1 Dec 75

End group labelling of RNA and double stranded DNA by phosphate exchange catalyzed by bacteriophage T4 induced polynucleotide kinase. Chaconas G, et al. **Biochem Biophys Res Commun** 66(3):962–9, 6 Oct 75

The inhibition of translation of synthetic polyribonucleotides and mengo RNA in extracts from interferon–treated L cells and its reversion by yeast tRNAs. Falcoff R, et al. **Biochem Biophys Res Commun** 68(4):1323–31, 23 Feb 76

Amino acid acceptor activity of tRNA–C–C–C–A. Kirschenbaum AH, et al. **Biochem Biophys Res Commun** 70(1):258–64, 3 May 76

Drug effects on nucleic acid modification. I. A specific effect of 5–azacytidine on mammalian transfer RNA methylation in vivo. Lu LW, et al. **Biochem Biophys Res Commun** 68(4):1094–101, 23 Feb 76

Initiation complex formation with double stranded RNA. Szekely M, et al. **Biochem Biophys Res Commun** 70(1):110–6, 3 May 76

Synthesis of thiol–containing analogues of puromycin and a study of their interaction with N–acetylphenylalanyl–transfer ribonucleic acid on ribosomes to form thioesters. Gooch J, et al. **Biochem J** 149(1):209–20, Jul 75

Activation of the O–glucuronide of the carcinogen N–hydroxy–N–2–fluorenylacetamide by enzymatic deacetylation in vitro: formation of fluorenylamine–tRNA adducts. Cardona RA, et al. **Biochem Pharmacol** 25(9):1051–6, 1 May 76

The binding of aminoacyl–transfer ribonucleic acid to wheat ribosomes. Allende JE, et al. **Biochem Soc Symp** (38):77–96, 1973

Transfer ribonucleic acid and transfer ribonucleic acid–recognizing enzymes in bean cytoplasm, chloroplasts, etioplasts and mitochondria. Burkard G, et al. **Biochem Soc Symp** (38):43–56, 1973

Properties of tRNA species modified in the 3'–terminal ribose moiety in an eukaryotic ribosomal system. Baksht E, et al. **Biochemistry** 15(16):3639–46, 10 Aug 76

Mechanism of aminoacylation of tRNA. Proof of the aminoacyl adenylate pathway for the isoleucyl– and tyrosyl–tRNA synthetases from Escherichia coli K12. Fersht AR, et al. **Biochemistry** 15(4):818–23, 24 Feb 76

Nepsilon–acetyllysine transfer ribonucleic acid: a biologically active analogue of aminoacyl transfer ribonucleic acids. Johnson AE, et al. **Biochemistry** 15(3):569–75, 10 Feb 76

Unique phenylalanine transfer ribonucleic acids in relaxed control Escherichia coli: genetic origin and some functional properties. Kitchingman GR, et al. **Biochemistry** 15(9):1848–57, 4 May 76

Subcellular redistribution of seryl–transfer RNA during estrogen–induced phosvitin synthesis and specificity of the estrogen effect. Mäenpää PH, et al. **Biochemistry** 14(22):4820–6, 4 Nov 75

Effects of estradiol on uterine ribonucleic acid metabolism. Assessment of transfer ribonucleic acid methylation. Munns TW, et al. **Biochemistry** 14(21):4758–64, 21 Oct 75

Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. I. In vitro studies of the 30S and 70S ribosomal–tRNA complex. Petersen HU, et al. **Biochemistry** 15(7):1357–62, 6 Apr 76

Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. II. A two–state model for the 70S ribosome. Petersen HU, et al. **Biochemistry** 15(7):1362–9, 6 Apr 76

Studies on native ribosomal subunits from rat liver. Evidence for activities associated with native 40S subunits that affect the interaction with acetylphenylalanyl–tRNA, methionyl–tRNAf, and 60S subunits. Sadnik I, et al. **Biochemistry** 14(24):5328–35, 2 Dec 75

Regions of tRNA important for binding to the ribosomal A and P sites. Sprinzl M, et al. **Biochemistry** 15(14):3031–9, 13 Jul 76

III. The RNA component of aminoacyl–tRNA synthetase complexes isolated from mouse liver. Absence of amino acid accepting activity. Berg BH. **Biochim Biophys Acta** 414(2):93–8, 4 Dec 75

Aminoacylation of Phaseolus vulgaris cytoplasmic, chloroplastic and mitochondrial tRNAsMet and of Escherichia coli tRNAsMet by homologous and heterologous enzymes. Gillemaut P, et al. **Biochim Biophys Acta** 407(2):240–8, 1 Oct 75

Aminoacylation of Phaseolus vulgaris cytoplasmic, chloroplastic and mitochondrial tRNAsPro and tRNAsLys by homologous and heterologous enzymes. Jeannin G, et al. **Biochim Biophys Acta** 442(1):24–31, 2 Aug 76

Isoaccepting species differences between polysome–bound and total cellular tRNA in SVT2 cells. Katze JR. **Biochim Biophys Acta** 407(4):399–406, 4 Nov 75

Relation of cell type and cell density to the degree of post–transcriptional modification of tRNALys and tRNAPhe. Katze JR. **Biochim Biophys Acta** 407(4):392–8, 4 Nov 75

A transition state analogue of tRNA–dependent peptide condensation as an inhibitor of ribosomal protein synthesis. Seela F, et al. **Biochim Biophys Acta** 435(1):105–8, 2 Jun 76

Undermethylated transfer RNA does not support phage RNA–directed in vitro protein synthesis. Stulberg MP, et al. **Biochim Biophys Acta** 435(3):251–7, 2 Jul 76

Regulation of ternary (Met–tRNAf – GTP – eukaryotic initiation factor 2) protein synthesis initiation complex formation by the adenylate energy charge. Walton GM, et al. **Biochim Biophys Acta** 418(2):195–203, 19 Jan 76

The methylation of tRNA. Nau F. **Biochimie** 58(6):629–45, 1976 (190 ref.)

Coding origin of isoaccepting tRNA in yeast mitochondria. Schneller JM, et al. **Biochimie** 57(9):1051–7, 1975

Transfer of the methyl group of methionine to choline and to tRNA in the honeybee Apis mellifica L. Tekitek A, et al. **Biochimie** 57(10):1185–8, 1975

Transfer RNA and aminoacyl transfer RNA in developing rats. Liu DK, et al. **Biol Neonate** 28(1–2):27–35, 1976

The homologous methylation of tRNA in rat brain. Cummins CJ, et al. **Brain Res** 96(2):407–12, 17 Oct 75

Transfer RNA may be axonally transported during regeneration of goldfish optic nerves. Ingoglia NA, et al. **Brain Res** 112(2):371–81, 13 Aug 76

Bacteriophage T4 tRNAs: structure, genetics, and biosynthesis. Abelson J, et al. **Brookhaven Symp Biol** (26):77–88, Jul 75

The biology of bacteriophage T4 transfer RNAs. Guthrie C, et al. **Brookhaven Symp Biol** (26):106–23, Jul 75

Status of tRNA charging, trinucleotide acceptor sequence and tRNA nucleotidyltransferase activity in the human placenta. Baliga BS, et al. **Can J Biochem** 54(7):609–16, Jul 76

Binding of methylmercuric hydroxide by 4–thiouridine of N–formylmethionyl–tRNA from Escherichia coli. Maguire RJ. **Can J Biochem** 54(6):583–7, Jun 76

A phenylalanine transfer RNA azo dye complex in livers of rats fed diets containing 3'–methyl–4–dimethylaminoazobenzene. Daoud AH, et al. **Cancer Res** 36(8):2885–90, Aug 76

Changes in transfer RNA's in human malignant trophoblastic cells (BeWo line). Kuchino Y, et al. **Cancer Res** 36(8):2932–6, Aug 76

Yeast suppressors of UAA and UAG nonsense codons work efficiently in vitro via tRNA. Gesteland RF, et al. **Cell** 7(3):381–90, Mar 76

Transfer RNA genes between 16S and 23S rRNA genes in rRNA transcription units of E. coli. Lund E, et al. **Cell** 7(2):165–77, Feb 76

fMet–tRNA F Met binding and peptidyl transferase function in free and bound ribosomes from normal and puromycin aminonucleoside–treated rats. Innanen VT, et al. **Chem Biol Interact** 11(5):431–9, Nov 75

Studies on the species, amount and base composition of nucleic acids in psoriatic scales and normal horny layer. Peter G, et al. **Dermatologica** 151(6):333–41, 1975

Aminoacyl–tRNA binding activity in regenerating kidney following contralateral nephrectomy or administration of folic acid. Nicholls DM, et al. **Dev Biol** 47(1):1–11, Nov 75

Influence of various factors on the recognition specificity of tRNAs by yeast valyl–tRNA synthetase. Bonnet J, et al. **Eur J Biochem** 58(1):193–201, 1 Oct 75

A study of codon–dependent binding of aminoacyl–tRNA with the ribosomal 30–S subparticle of Escherichia coli. Determination of the active–particle fraction and binding constants in different media. Glukhova MA, et al. **Eur J Biochem** 52(1):197–202, 3 Mar 75

Studies on the role of uncharged tRNA in pleiotypic response of animal cells. Grummt F, et al. **Eur J Biochem** 64(1):307–12, 15 Apr 76

Equivalent and non–equivalent binding sites for +RNA on aminoacyl–tRNA synthetases. Krauss G, et al. **Eur J Biochem** 55(3):517–29, 15 Jul 75

Initiation of protein synthesis in Ehrlich ascites tumour cells. Evidence for physiological variation in the association of methionyl–tRNAf with native 40–S ribosomal subunits in vivo. Pain VM, et al. **Eur J Biochem** 57(2):335–42, 15 Sep 75

The interaction of fusidic acid with peptidyl–transfer–ribonucleic–acid – ribosome complexes. San Millan MJ, et al. **Eur J Biochem** 57(2):431–40, 15 Sep 75

Chemical inactivation of Escherichia coli 30–S ribosomes by iodination. Identification of proteins involved in tRNA binding. Shimizu M, et al. **Eur J Biochem** 61(1):307–15, 2 Jan 76

The binding of Met–tRNAf to isolated 40–S ribosomal subunits and the formation of Met–tRNAf – 80–S–ribosome initiation complexes. Smith KE, et al. **Eur J Biochem** 62(2):243–55, 16 Feb 76

Cooperative effects of initiation factors and fMet–tRNA in the formation of the 40–S initiation complex. van der Hofstad GA, et al. **Eur J Biochem** 66(1):181–92, 15 Jun 76

Involvement of the D–stem of tRNAPhe (E. coli) in interaction with phenylalanyl–tRNA synthetase as shown by chemical modification. Ankilova VN, et al. **FEBS Lett** 60(1):168–71, 1 Dec 75

Glutamine cognate codons in rabbit haemoglobin mRNAs. Hilse K, et al. **FEBS Lett** 60(2):380–3, 15 Dec 75

Membrane modification by arginyl tRNA. Kaji H, et al. **FEBS Lett** 66(2):194–7, 15 Jul 76

Post–transcriptional modification of tyrosine tRNA as a function of growth in Bacillus subtilis. Keith G, et al. **FEBS Lett** 61(2):120–3, 15 Jan 76

Stepwise tRNA recognition mechanism and its kinetic consequences. Knorre DG. **FEBS Lett** 58(1):50–2, 15 Oct 75

Yeast phenylalanyl–tRNA synthetase: evidence for the triggering of an AMP—ATP exchange by tRNA. Remy P, et al. **FEBS Lett** 61(1):28–31, 01 Jan 76

A new active intermediate in the aminoacylation of tRNA.

Thiebe R. **FEBS Lett** 60(2):342–5, 15 Dec 75

Change of isoaccepting threonyl-tRNA and contitutively increased level of threonyl-tRNA-synthetase in E. coli. Thomale J, et al. **FEBS Lett** 56(1):111–4, 1 Aug 75

Limited hydrolysis of tRNA by phosphodiesterase. Philipps GR, et al. **Hoppe Seylers Z Physiol Chem** 356(7):1097–104, Jul 75

Properties of Isoaccepting tRNALys, tRNAGlu and tRNAGln from rabbit Reticulocytes and liver. Multiplicity, Codon Recognition and Inactivation by Iodine. Rudloff E, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1359–67, Sep 75

Bacterial RNA methyltransferase mutants: tools in studying the biosynthesis of phage T4 tRNA. pp. 53–66. Björk GR.
In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Relationship between transcription RNA methylation and translation. pp. 99–110. Kersten H, et al.
In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Translation of viral and cellular m-RNAs in extracts from interferon-treated cells. pp. 373–8. Gross HJ, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Control of mRNA translation by specific tRNAs in extracts from interferon treated mouse cells. pp. 397–405. Revel M, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

tRNA and aminoacyl-tRNA synthetases from wild-type and petite yeast mitochondria. pp. 41–6. Baldacci G, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Proceedings: Interaction between eukaryote ribosomes and nonacylated tRNA. Baksht E, et al. **Isr J Med Sci** 11(11):1196, Nov 75

Proceedings: Study of the peptidyl-transferase center of Escherichia coli ribosomes by photo-affinity labeling. Sonenberg N, et al. **Isr J Med Sci** 11(11):1196, Nov 75

Proceedings: Mechanism of the interferon-induced block of mRNA translation in mouse L cells and its reversal by tRNA. Zilberstein A, et al. **Isr J Med Sci** 11(11):1211, Nov 75

Macromolecular synthesis in Streptomyces antibioticus: in vitro systems for aminoacylation and translation from young and old cells. Jones GH. **J Bacteriol** 124(1):364–72, Oct 75

Study of tyrosine transfer ribonucleic acid modification in relation to sporulation in Bacillus subtilis. Menichi B, et al. **J Bacteriol** 127(1):268–80, Jul 76

Selective methylation: an incorrect hypothesis. Shugart L. **J Bacteriol** 126(2):1009–11, May 76

Proceedings: Role of reversible association of ribosomal subunits, of initiation factor IF3, and of formylation of Met-tRNAfMet in protein synthesis initiation.
Grunberg-Manago M. **J Biochem (Tokyo)** 79(4):31P–32P, Apr 76

Evidence for a conformational change in tRNAPhe upon aminoacylation. Caron M, et al. **J Biol Chem** 251(5):1529–30, 10 Mar 76

Assessment of protein turnover in perfused rat liver. Evidence for amino acid compartmentation from differential labeling of free and tRNA-gound valine. Khairallah EA, et al. **J Biol Chem** 251(5):1375–84, 10 Mar 76

Specific binding of Excherichia coli chain Initiation factor 2 to fMet-tRnafMet. Majumdar A, et al. **J Biol Chem** 251(1):137–40, 10 Jan 76

Peptidyl transfer RNA dissociates during protein synthesis from ribosomes of Escherichia coli. Menninger JR.
J Biol Chem 251(11):3392–8, 10 Jun 76

Mode of action of bottromycin A2. Release of aminoacyl- or peptidyl-tRNA from ribosomes. Otaka T, et al.
J Biol Chem 251(8):2299–306, 25 Apr 76

Preparation and characterization of eukaryotic initiation factor EIF-3. Formation of binary (EIF-3-Met-tRNAf) and ternary (EIF-3-Met-tRNAf-GTP) complexes. Ranu RS, et al. **J Biol Chem** 241(7):1926–35, 10 Apr 76

Binding of MET-TRNAf and GTP to homogeneous initiation factor MP. Safer B, et al. **J Biol Chem** 250(23):9076–82, 10 Dec 75

Binding of Met-tRNAf to native 40 S ribosomal subunits in Ehrlich ascites tumor cells. Smith KE, et al.
J Biol Chem 250(17):6880–4, 10 Sep 75

Antico-operative binding of bacterial and mammalian initiator tRNAMet to methionyl-tRNA synthetase from escherichia coli Blanquet S, et al. **J Mol Biol** 103(4):765–84, 5 Jun 76

Affinity labeling of specific regions of 23 S RNA by reaction of N-bromoacetyl-phenylalanyl-transfer RNA with Escherichia coli ribosomes. Breitmeyer JB, et al.
J Mol Biol 101(3):297–306, 5 Mar 76

Native and imported transfer RNA in mitochondria. Chiu N, et al. **J Mol Biol** 99(1):37–50, 25 Nov 75

A mutation of the wobble nucleotide of a bacteriophage T4 transfer RNA. Comer MM, et al. **J Mol Biol** 99(2):283–93, 5 Dec 75

Sampling of the leucine pool from the growing peptide chain: difference in leucine specific activity of peptidyl-transfer RNA from free and membrane-bound polysomes. Ilan J, et al. **J Mol Biol** 91(1):39–51, 5 Jan 75

Amino acid specificity of the transfer RNA species coded for by HeLa cell mitochondrial DNA. Lynch DC, et al.
J Mol Biol 102(1):125–41, 25 Mar 76

The kinetics of codon-anticodon interaction in yeast phenylalanine transfer RNA. Yoon K, et al. **J Mol Biol** 99(4):507–18, 25 Dec 75

Aminoacyl transfer from an adenylate anhydride to polyribonucleotides. Weber AL, et al. **J Mol Evol** 6(4):309–20, 29 Dec 75

Translational control of protein synthesis by tRNA unrelated to changes in tRNA concentration. Weiss GB.
J Mol Evol 2(2–3):199–204, 1973

Activation of carcinogenic arylhydroxamic acids by human tissues. King CM, et al. **J Natl Cancer Inst** 55(2):285–7, Aug 75

Initiation of DNA synthesis by the avian oncornavirus RNA-directed DNA polymerase: tryptophan tRNA as the major species of primer RNA. Folk WR, et al. **J Virol** 17(3):1049–51, Mar 76

Interferon treatment of Ehrlich ascites tumor cells: effects on exogenous mRNA translation and tRNA inactivation in the cell extract. Sen GC, et al. **J Virol** 17(1):191–203, Jan 75

Interaction of aminoacyl-tRNA synthetases and tRNA: positive and negative cooperativity of their active centres. Malygin EG, et al. **Mol Biol Rep** 2(6):445–54, Jul 76

Transfer RNA of a collagen producing tissue, chick-embryo calvaria. Varricchio F, et al. **Mol Biol Rep** 2(6):465–70, Jul 76

Antibiotics and compounds affecting tanslation by eukaryotic ribosomes. Specific enhancement of aminoacyl-tRNA binding by methylaxnthines. Carrasco L, et al.
Mol Cell Biochem 10(2):97–122, 16 Feb 76 (74 ref.)

Effect of S-adenosylhomocysteine and S-tubercidinylhomocysteine on transfer ribonucleic acid methylation in phytohemagglutinin-stimulated lymphocytes. Chang CD, et al. **Mol Pharmacol** 11(6):701–7, Nov 75

Interaction of tryptophan transfer RNA with Rous sarcoma virus 35S RNA. Eiden JJ, et al. **Nature** 259(5540):245–7, 22 Jan 76

Quantitative adaptation of isoacceptor tRNAs to mRNA codons of alanine, glycine and serine. Garel J. **Nature** 260(5554):805–6, 29 Apr 76

Incorporation of GMP into specific tRNA molecules by extracts of Ehrlich ascites tumour cells. Ito T, et al.
Nature 257(5524):327–9, 25 Sep 75

Rapid loss of a novel phenylalanyl-tRNA on germination of Neurospora crassa conidia. Jervis HH, et al. **Nature** 258(5531):160–2, 13 Nov 75

Effect of ribothymidine in specific eukaryotic tRNAs on their efficiency in in vitro protein synthesis. Marcu KB, et al.
Nature 261(5556):159–62, 13 May 76

Discrimination between eukaryotic and prokaryotic, and formylated and non-formylated, initiator tRNAs by eukaryotic initiation factor EIF-3. Ranu RS, et al.
Nature 257(5527):616–8, 16 Oct 75

Inhibition of the transition of a 40 S ribosome-Met-tRNA-i-Met complex to an 80 S ribosome-Met-tRNA-i-Met- complex by 7-Methylguanosine-5'-phosphate Roman R, et al.
Nature 260(5549):359–60, 25 Mar 76

Aminoacylation and nucleoside modification of in vitro synthesised transfer RNA. Zeevi M, et al. **Nature** 260(5546):72–4, 4 Mar 76

Patterns of E. coli leucine tRNA isoacceptors following bacteriophage MS2 infection. Di Natale P, et al.
Nucleic Acids Res 3(4):917–30, Apr 76

Effect of excision of the Y-base on the interaction of tRNAPhe (yeast) with phenylalanyl-tRNA synthetase (yeast). Krauss G, et al. **Nucleic Acids Res** 3(3):631–9, Mar 76

Biosynthesis of the modified nucleoside Q in transfer RNA. Kuchino Y, et al. **Nucleic Acids Res** 3(2):393–8, Feb 76

Changes in transfer ribonucleic acids of Bacillus subtilis during different growth phases. Singhal RP, et al.
Nucleic Acids Res 3(5):1249–62, May 76

Amino acids are not all initially attached to the same position on transfer RNA molecules. Fraser TH, et al.
Proc Natl Acad Sci USA 72(8):3044–8, Aug 75

Position of aminoacylation of individual Escherichia coli and yeast tRNAs. Hecht SM, et al.
Proc Natl Acad Sci USA 73(2):405–9, Feb 76

Promoter-dependent transcription of tRNAITyr genes using DNA fragments produced by restriction enzymes. Küpper H, et al. **Proc Natl Acad Sci USA** 72(12):4754–8, Dec 75

Allosteric mechanism for codon-dependent tRNA selection on ribosomes. Kurland CG, et al.
Proc Natl Acad Sci USA 72(11):4248–51, Nov 75

Release of (oligo) peptidyl-tRNA from ribosomes by erythromycin A. Otaka T, et al.
Proc Natl Acad Sci USA 72(7):2649–52, Jul 75

Specific binding of tryptophan transfer RNA to avian myeloblastosis virus RNA-dependent DNA polymerase (reverse transcriptase). Panet A, et al.
Proc Natl Acad Sci USA 72(7):2535–9, Jul 75

Stringent factor from Escherichia coli directs ribosomal binding and release of uncharged tRNA. Richter D.
Proc Natl Acad Sci USA 73(3):707–11, Mar 76

Identification of a region in 23S rRNA located at the peptidyl transferase center. Sonenberg N, et al.
Proc Natl Acad Sci USA 72(11):4332–6, Nov 75

Letter: Reticulocyte transfer RNA and hemoglobin synthesis. Litt M. **Science** 193(4251):428–9, 30 Jul 76

Reticulocyte transfer RNA and hemoglobin synthesis. Smith DW. **Science** 190(4214):529–35, 7 Nov 75 (68 ref.)

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

[The effect of mRNA on the stability of the ribosome--aminoacyl-tRNA complex] Budker VG.
Biokhimiia 40(2):441–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Characterization of fluorescent derivatives of tRNA Phe by experiments in the ribosomal system] Bintermaier V, et al.
Mol Biol (Mosk) 9(1):63–9, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Specific modification of phenylalanine:tRNA-ligases of E. coli MRE-600 with N-chlorambucilyl-14c-phenylalanyl-tRNA] Gorshkova II, et al. **Mol Biol (Mosk)** 9(4):509–15, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Aminoacylation of rat liver tRNA under different experimental conditions] Vynodradova RP, et al.
Ukr Biokhim Zh 48(1):58–60, Jan–Feb 76 **(Ukr)**

PHARMACODYNAMICS

Effect of tRNA from 5-azacytidine-treated hamster fibrosarcoma cells on protein synthesis in vitro in a cell-free system. Momparler RL, et al. **Biochem Pharmacol** 25(4):389–92, 15 Feb 76

A nonspecific inhibitory effect of tRNA on the activity of 3-deoxy-D-arabino-heptulosonate-7-phosphate synthase from Saccharomyces cerevisiae. Bell JB, et al.
Biochim Biophys Acta 435(1):21–9, 2 Jun 76

Influence of exogenous tRNA on growth of transplantable 32P-induced osteosarcomata. Geddes-Dwyer V, et al.
Br J Cancer 33(6):600–5, Jun 76

Modulation of the synthesis in vitro of a hormone-induced protein by transfer RNA. Sharma OK, et al. **Nature** 262(5563):62–3, 1 Jul 76

[Radio-restoration by yeast s-RNA and its nucleotides of plant tissues cultured in vitro. Restorative activity of yeast s-RNA and a mixture of its nucleotides on the growth of Sorconera crown-gall tissue cultures] Jonard R, et al.
C R Acad Sci [D] (Paris) 280(6):803–5, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Radiorestoration of plant tissue cultures in vitro by yeast s-RNA and its nucleotides. The active factor of yeast s-RNA is contained in its mononucleotide fraction] Ravelomanana D, et al. **C R Acad Sci [D] (Paris)** 280(8):1047–50, 24 Feb 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Inhibition of polypeptide synthesis by tRNA fractions in rat liver cell-free systems. Igarashi K, et al.
J Biochem (Tokyo) 77(6):1325–33, Jun 75

Control of cell division in Saccharomyces cerevisiae by methionyl-tRNA. Unger MW, et al.
Proc Natl Acad Sci USA 73(5):1664–8, May 76

RADIATION EFFECTS

4-Thiouridine as the target for near-ultraviolet light induced growth delay in Escherichia coli. Thomas G, et al.
Biochem Biophys Res Commun 66(4):1454–61, 27 Oct 75

In vivo induction of 4-thiouridine-cytidine adducts in tRNA of E. coli B/r by near-ultraviolet radiation. Ramabhadran TV, et al. **Photochem Photobiol** 23(5):315–21, May 76

Mechanism of growth delay induced in Escherichia coli by near ultraviolet radiation. Ramabhadran TV, et al.
Proc Natl Acad Sci USA 73(1):59–63, Jan 76

[Effect of gamma-irradiation on the nucleotide composition of the tRNA of cotton] Karakuziev TU. **Radiobiologiia** 15(5):725–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

URINE

High-resolution liquid chromatographic analysis of methylated purine and pyrimidine bases in transfer RNA. Lakings DB, et al. **J Chromatogr** 116(1):83–92, 7 Jan 76

RNA, TRANSFER, METHYLTRANSFERASES

ANTAGONISTS & INHIBITORS

S-adenosylhomocysteine inhibition of three purified tRNA methyltransferases from rat liver. Glick JM, et al.
Nucleic Acids Res 2(10):1639–51, Oct 75

BIOSYNTHESIS

Transfer ribonucleic acid methylase deficiency found in UGA supressor strains. Reeves RH, et al. **J Bacteriol** 124(1):332–40, Oct 75

METABOLISM

Interaction of mammalian tRNA methyltransferases with heterologous and homologous tRNA. Kerr SJ.
Adv Enzyme Regul 13:379–90, 1975

Drug effects on nucleic acid modification. I. A specific effect of 5-azacytidine on mammalian transfer RNA methylation in vivo. Lu LW, et al. **Biochem Biophys Res Commun** 68(4):1094–101, 23 Feb 76

Studies of odd bases in yeast mitochondrial tRNA: III. Characterization of the tRNA methylases associated with the mitochondria. Schneller C, et al. **Biochem Biophys Res Commun** 70(3):1003–8, 7 Jun 76

Role of ribosomal RNA methylases in the regulation of ribosome production in mammalian cells. Liau MC, et al. **Biochemistry** 15(14):3158–64, 13 Jul 76

tRNA methyltransferases from rat liver. Differences in response of partially purified enzymes to polyamines and inorganic salts. Leboy PS, et al. **Biochim Biophys Acta** 435(1):30–8, 2 Jun 76

Transfer RNA methyltransferase activity in paramecium aurelia. Maki RA, et al. **Biochim Biophys Acta** 425(3):334–41, 17 Mar 76

The methylation of tRNA. Nau F. **Biochimie** 58(6):629–45, 1976 (190 ref.)

Transfer RNA methylase activity and capacity during aflatoxin B1-induced hepatocellular carcinogenesis. Busby WF Jr, et al. **Cancer Res** 36(6):2013–8, Jun 76

Interaction of normal and tumor transfer RNA methyltransferases with ethionine-induced methyl-deficient rat liver transfer RNA. Kerr SJ. **Cancer Res** 35(11 Pt 1):2969–73, Nov 75

Ethionine-induced changes in rat liver transfer RNA methylation. Wainfan E, et al. **Cancer Res** 35(10):2830–5, Oct 75

Transfer RNA methylase activity in a pre-embryonic tissue. Sheid B, et al. **Comp Biochem Physiol [B]** 53(1):39–40, 1976

Bacterial RNA methyltransferase mutants: tools in studying the biosynthesis of phage T4 tRNA. pp. 53–66. Björk GR.

In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Introduction to the symposium on post-synthetic modification of macromolecules. pp. VII–X. Borek E.

In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Modification of transfer RNA and its control. pp. 87–98. Kerr SJ.

In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34. (74 ref.)

Relationship between transcription RNA methylation and translation. pp. 99–110. Kersten H, et al.

In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Modification of the 5' terminus of mRNA by an RNA (guanine-7-)-methyltransferase from HeLa cells. Ensinger MJ, et al. **J Biol Chem** 251(17):5283–91, 10 Sep 76

Transfer RNA and transfer RNA methylase activity in spleens of patients with Hodgkin's disease and histiocytic lymphoma. Murphy TL, et al. **J Natl Cancer Inst** 56(2):215–9, Feb 76

Altered transfer RNA methylase in BHK cells after vaccinia virus infection. Nishimura C, et al. **Kitasato Arch Exp Med** 48(1):9–18, Mar 75

Acute effects of aflatoxin B1 on tRNA methylase function. Busby WF Jr, et al. **Life Sci** 17(4):519–22, 15 Aug 75

Activity of transfer RNA methylases in the mice brain after methylcholantrene implantation and in experimental tumours. Kroh H, et al. **Neuropatol Pol** 14(2):273–8, Apr-Jun 76

The methylation of adenovirus-specific nuclear and cytoplasmic RNA. Sommer S, et al. **Nucleic Acids Res** 3(3):749–65, Mar 76

[New studies on inhibition of tRNA N2 guanine methyltransferase by S-adenosyl-homocysteine and S-adenosyl-methionine analogs] Michelot R, et al. **Biochimie** 58(1-2):201-5, 1976 (Eng. Abstr.) **(Fre)**

[Methylation of rat liver tRNA under different experimental conditions] Kucherenko ME, et al. **Ukr Biokhim Zh** 47(2):205–8, Mar-Apr 75 (Eng. Abstr.) **(Ukr)**

RNA, VIRAL

Characteristics of Sendai virus RNA transcriptive complex formed in the cytoplasm of infected ascites cells. Vladimirtseva EA, et al. **Acta Virol (Praha)** 19(5):374–80, Sep 75

Proceedings: Determinants for seed transmissibility and for competition between strains in the genomes of nepoviruses. Harrison BD, et al. **Ann Microbiol (Paris)** 127A(1):99, Jan 76

Changes in secondary structure of polio virus ribonucleic acid. Koza J. **Arch Biochem Biophys** 170(2):724–30, Oct 75

Proceedings: Chemical modification of some hairpin loops of the MS2 genome with the methoxyamine reagent. Iserentant D, et al. **Arch Int Physiol Biochim** 84(1):165–6, Feb 76

Reciprocal antagonism of two transfection methods. Dubes GR. **Arch Virol** 48(3):271–4, 1975

3'-Terminal sequence of vesicular stomatitis virus genome RNA. Banerjee AK, et al. **Biochem Biophys Res Commun** 68(4):1387–94, 23 Feb 76

Poly(C) sequence is located near the 5'-end of encephalomyocarditis virus RNA. Chumakov KM, et al. **Biochem Biophys Res Commun** 71(2):551–7, 26 Jul 76

Rate of tritium labeling of specific purines in relation to nucleic acid and particularly transfer RNA conformation. Gamble RC, et al. **Biochemistry** 15(13):2791–9, 29 Jun 76

The electrophoretic mobility of double-stranded RNA in polyacrylamide gels as a function of molecular weight. Bozarth RF, et al. **Biochim Biophys Acta** 432(3):329–35, 19 May 76

Comparisons of the low resolution structure of several small RNA-containing viruses. Fischbach FA, et al. **Biochim Biophys Acta** 432(3):404–8, 19 May 76

[Presence of autocomplementary RNA with viral specificity in cells infected with herpes virus] Béchet JM, et al. **C R Acad Sci [D] (Paris)** 280(2):217–20, 13 Jan 75 (Eng. Abstr.)

The genome of RNA tumor viruses: a functional requirement for a polyploid structure? Cooper PD, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:997–1004, 1975

Electron microscope studies of tumor virus RNA. Kung HJ, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:827–34, 1975

In vitro translation of adenovirus messenger RNA. Westphal H. **Curr Top Microbiol Immunol** 73:125–139, 1976

Comparison between the 3'OH end RNA sequence of two strains of tobacco mosaic virus (TMV) which may be aminoacylated. Lamy D, et al. **FEBS Lett** 60(1):202–4, 1 Dec 75

Enzymatic removal of the 5'-terminal methylated blocked structure of tobacco mosaic virus RNA and its effects on infectivity and reconstitution with coat protein. Ohno T, et al. **FEBS Lett** 67(2):209–13, 15 Aug 76

The polarity of stripping of coat protein subunits from the RNA in tobacco mosaic virus under alkaline conditions. Perham RN, et al. **FEBS Lett** 62(1):11–5, 1 Feb 76

Polarity of the RNA in the tobacco mosaic virus particle and the direction of protein stripping in sodium dodecyl sulphate. Wilson TM, et al. **FEBS Lett** 64(2):285–9, 1 May 76

A small-angle x-ray scattering investigation on the structure of the RNA from bacteriophage MS2. Zipper P, et al. **FEBS Lett** 56(2):283–7, 15 Aug 75

Suppression of the killer phenotype in Ustilago maydis. Koltin Y, et al. **Genetics** 82(4):629–37, Spr 76

Evidence for viruses in human neoplasias. Spiegelman S. **Haematologica (Pavia)** 60(3):339–72, Sep 75

tRNA structure in viral genomes and its possible role in gene replication and translation. pp. 21–9. Prochiantz A, et al.

In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

[Morphological and biochemical analogies of Visna virus with oncogenic RNA viruses] pp. 19–26. Tamalet J, et al.

In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974. (Eng, Fre)

Crystalline arrays of nucleocapsids in Sindbis virus-infected L cells. Wagner B, et al. **Intervirology** 5(1-2):103–7, 1975

Allocation of 15 RNase T1-resistant large oligonucleotides of MS2 RNA. Fuke M. **J Biochem (Tokyo)** 79(4):731–7, Apr 76

RNase III cleavage of single-stranded RNA. Effect of ionic strength on the fideltiy of cleavage. Dunn JJ. **J Biol Chem** 251(12):3807–14, 25 Jun 76

High molecular weight RNAs from Rous sarcoma virus and Moloney murine leukemia virus contain two subunits. King AM. **J Biol Chem** 251(1):141–9, 10 Jan 76

Demonstration of a core in poliovirus particles by electron microscopy. Boublik M, et al. **J Gen Virol** 31(3):447–9, Jun 76

Some physicochemical properties of pike fry rhabdovirus RNA. Clerx JP, et al. **J Gen Virol** 29(1):133–6, Oct 75

Requirement of an adenylic acid-rich segment for the infectivity of encephalomyocarditis virus RNA. Goldstein NO, et al. **J Gen Virol** 31(2):271–6, May 76

Cytofluorometric studies on conformation of nucleic acids in situ. I. Restriction of acridine orange binding by chromatin proteins. Traganos F, et al. **J Histochem Cytochem** 24(1):40–8, Jan 76

Similarity in structure and function of the 3'-terminal region of the four brome mosaic viral RNAs. Bastin M, et al. **J Mol Biol** 103(4):737–45, 5 Jun 76

A physical map of the Rous sarcoma virus genome. Coffin JM, et al. **J Mol Biol** 100(3):293–318, 25 Jan 76

Covalently linked message and anti-message (genomic) RNA from a defective vesicular stomatitis virus particle. Lazzarini RA, et al. **J Mol Biol** 97(3):289–307, 25 Sep 75

Studies of virus structure by laser-Raman spectroscopy. II. MS2 phage, MS2 capsids and MS2 RNA in aqueous solutions. Thomas GJ Jr, et al. **J Mol Biol** 102(1):103–24, 25 Mar 76

Physical mapping of Qbeta replicase binding sites on Qbeta RNA. Vollenweider HJ, et al. **J Mol Biol** 101(3):367–77, 5 Mar 76

RNA conformation in rod-shaped viruses: a possible molecular model for RNA in narcissus mosaic virus. Wilson HR, et al. **J Theor Biol** 53(2):327–32, Sep 75

Interfering passages of Sindbis virus: concomitant appearance of interference, morphological variants, and trucated viral RNA. Johnston RE, et al. **J Urol** 16(4):951–8, Oct 75

In vitro transcription of DNA from the 70S RNA of Rous sarcoma virus: identification and characterization of various size classes of DNA transcripts. Collett MS, et al. **J Virol** 16(5):1220–8, Nov 75

Purification of influenza viral complementary RNA: its genetic content and activity in wheat germ cell-free extracts. Etkind PR, et al. **J Virol** 16(6):1464–75, Dec 75

Comparative properties of bacteriophage phi6 and phi6 nucleocapsid. Etten JV, et al. **J Virol** 18(2):652–8, May 76

Quantitative analysis of the rescue of RNA sequences by mammalian type C viruses. Goldberg RJ, et al. **J Virol** 17(1):43–50, Jan 76

Encephalomyocarditis virus RNA: variations in polyadenylic acid content and biological activity. Hruby DE, et al. **J Virol** 19(2):325–30, Aug 76

Physical properties of moloney murine leukemia virus high-molecular-weight RNA: a two subunit structure. Riggin CH, et al. **J Virol** 16(6):1528–35, Dec 75

Characterization and translation of methylated and unmethylated vesicular stomatitis virus mRNA synthesized in vitro by ribonucleoprotein particles from vesicular stomatitis virus-infected L cells. Toneguzzo F, et al. **J Virol** 17(2):477–91, Feb 76

Chemical stability of bacteriophage T7 early mRNA. Yamada Y, et al. **J Virol** 16(6):1683–7, Dec 75

Bacteriophage SPO1 DNA- and RNA-directed protein synthesis in vitro: the effect of TF1, a template-selective transcription inhibitor. Shub DA, et al. **Mol Gen Genet** 137(2):161–9, 1975

Bacteriophage SPO1 DNA- and RNA-directed protein synthesis in vitro: comparison with in vivo control. Shub DA. **Mol Gen Genet** 137(2):171–80, 1975

A compact form of double-stranded RNA in solutions containing poly(ethyleneglycol). Evdokimov YM, et al. **Nucleic Acids Res** 3(6):1533–47, Jun 76

m7G5'ppp5'GmptcpUp at the 5' terminus of reovirus messenger RNA. Faust M, et al. **Nucleic Acids Res** 2(8):1329–43, 8 AUG 75

The involvement of the anticodon adjacent modified nucleoside N-(9-(BETA-D-ribofuranosyl) purine-6-ylcarbamoyl)-threonine in the biological function of E. coli tRNAile. Miller JP, et al. **Nucleic Acids Res** 3(5):1185–201, May 76

Cleavage of T4 species I ribonucleic acid by Escherichia coli ribonuclease III. Paddock GV, et al. **Nucleic Acids Res** 3(5):1351–71, May 76

Isolation and characterization of poly(A)-containing polyoma 'early' and 'late' messenger RNAs. Rosenthal LJ. **Nucleic Acids Res** 3(3):661–76, Mar 76

Isolation and characterization of poly(A)-containing intranuclear polyoma-specific 'giant' RNA'S. Rosenthal LJ, et al. **Nucleic Acids Res** 3(5):1167–83, May 76

Evidence for circularization of the avian oncornavirus RNA genome during proviral DNA synthesis from studies of reverse transcription in vitro. Collett MS, et al. **Proc Natl Acad Sci USA** 73(4):1329–32, Apr 76

Quasi-elastic behavior of solutions of viral capsid and RNA at very low shearing stresses. Hodgins MG, et al. **Proc Natl Acad Sci USA** 72(9):3501–4, Sep 75

Studies on secondary structure of single-stranded RNA from bacteriophage MS2 by electron microscopy. Jacobson AB. **Proc Natl Acad Sci USA** 73(2):307–11, Feb 76

Genome-sized RNA from reovirus particles. Kavenoff R, et al. **Proc Natl Acad Sci USA** 72(11):4317–21, Nov 75

Mapping of the influenza virus genome: identification of the hemagglutinin and the neuraminidase genes. Palese P, et al. **Proc Natl Acad Sci USA** 73(6):2142–6, Jun 76

Primate type-C virus nucleic acid sequences (woolly monkey and baboon types) in tissues from a patient with acute myelogenous leukemia and in viruses isolated from cultured cells of the same patient. Reitz MS, et al. **Proc Natl Acad Sci USA** 73(6):2113–7, Jun 76

Mapping of the three species of polyoma mRNA. Türler H, et al. **Proc Natl Acad Sci USA** 73(5):1480–4, May 76

3'-Terminal nucletide sequence (n equals 361) of bacteriophage MS2 RNA. Vandenberghe A, et al. **Proc Natl Acad Sci USA** 72(7):2559–62, Jul 75

Mapping of adenovirus messenger RNA by electron microscopy. Westphal H, et al. **Proc Natl Acad Sci USA** 73(6):2069–71, Jun 76

Specificity of protein--RNA and protein--protein interaction upon assembly of TMV in vivo and in vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75

Factors influencing the infection of cowpea protoplasts by cowpea mosaic virus RNA. Beier H, et al. **Virology** 72(2):363–9, 15 Jul 76

Transformation-defective mutants of avian sarcoma viruses: the genetic relationship between conditional and nonconditional mutants. Bernstein A, et al. **Virology** 70(1):206–9, Mar 76

Studies on Lumbo virus replication. II. Properties or viral ribonucleoproteins and characterization of messenger RNAs. Bouloy M, et al. **Virology** 71(2):363–70, Jun 76

A study on the infectivity of encephalomyocarditis virus double-stranded RNA with selectively inactivated strands. Chumakov KM, et al. **Virology** 73(2):528–31, Sep 76

The role of top particles in recombination of some characters of tobacco streak virus. Fulton RW. **Virology** 67(1):188–96, Sep 75

The role of top particles in recombination of some characters of tobacco streak virus. Fulton RW. **Virology** 67(1):188–96, Sep 75

Infectivity of heterologous RNA-protein mixtures from alfalfa mosaic, citrus leaf rugose, citrus variegation, and tobacco streak viruses. Gonsalves D, et al. **Virology**

67(2):319–26, Oct 75
Nucleic acid components of citrus variegation virus and their activation by coat protein. Gonsalves D, et al. **Virology** 67(2):311–8, Oct 75
Reconstruction of potato virus X in vitro. II. Characterization of the reconstituted product. Goodman RM, et al. **Virology** 68(2):299–308, Dec 75
Defective interfering particles of Sindbis virus. III. Intracellular viral RNA species in chick embryo cell cultures. Guild GM, et al. **Virology** 67(1):24–41, Sep 75
Some characteristics of infectious RNA from potato virus Y. Hinostroza-Orihuela AM. **Virology** 67(1):276–8, Sep 75
Some characteristics of infectious RNA from potato virus Y. Hinostroza-Orihuela AM. **Virology** 67(1):276–8, Sep 75
Host-range mutant of fowl plague virus (FPV): comparison of the genome and virus proteins. Israel A, et al. **Virology** 68(2):503–9, Dec 75
Identification of infectious virions which are vesicular stomatitis virus pseudotypes of murine type C virus. Livingston DM, et al. **Virology** 70(2):432–9, Apr 76
Prunus necrotic ringspot virus as a multicomponent system. Loesch LS, et al. **Virology** 68(1):71–8, Nov 75
Isolation and characterization of the nonglycosylated membrane protein and a nucleocapsid complex from the paramyxovirus SV5. McSharry JJ, et al. **Virology** 67(2):365–74, Oct 75
Evidence for control of translation of the viral genome during replication of Mengo virus and poliovirus. Paucha E, et al. **Virology** 67(1):300–5, Sep 75
Influenza virus messenger ribonucleoprotein. Pons MW. **Virology** 67(1):209–18, Sep 75
Exocortis viroid: cytopathic effects at the plasma membrane in association with pathogenic RNA. Semancik JS, et al. **Virology** 69(2):719–26, Feb 76
The genome of equine arteritis virus. van der Zeijst BA, et al. **Virology** 68(2):418–25, Dec 75
Studies on the structure of reovirus cores: selective removal of polypeptide lambda 2. White CK, et al. **Virology** 70(1):171–80, Mar 76
[Circular ribonucleoproteins in the virus Lumbo (Bunyavirus)] Samso A, et al. **C R Acad Sci [D] (Paris)** 280(6):779–82, 10 Feb 75 (Eng. Abstr.) **(Fre)**
[Demonstration of circular ribonucleic acid in the Lumbo virus (Bunyavirus)] Samso A, et al. **C R Acad Sci [D] (Paris)** 282(17):1653–5, 3 May 76 (Eng. Abstr.) **(Fre)**
[Origin of rodent sarcoma viruses and characteristics of the genome RNA (author's transl)] Tsuchida N. **Protein Nucleic Acid Enzyme (Tokyo)** 20(7):700–12, Jun 75 **(Jpn)**
[Evaluation of homology between cellular DNA and C-type RNA virus genome using double-chain DNA recunstruction reaction] Natori H, et al. **Virus (Tokyo)** 24(1):113–4, Apr 74 **(Jpn)**
[Viral genome integration with nuclear DNA in chronic viral infection] Zhdanov VM, et al. **Genetika** 10(7):143–7, 1975 (Eng. Abstr.) **(Rus)**
[MS2 RNA hydrolysis by snake venom phosphodiesterase and template properties of RNA produced by limited exonucleolytic action] Iansone IV, et al. **Mol Biol (Mosk)** 9(4):524–32, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Integration and expression of the oncornavirus type D genome in transplantable cells] Zhdanov VM, et al. **Vopr Onkol** 21(8):64–8, 1975 (Eng. Abstr.) **(Rus)**
[Unfragmented nucleocapsid of influenza virus in infected cells] Bukrinskaia AG, et al. **Vopr Virusol** (6):725–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Infectivity of fowl plague virus RNA in the process of infection] Men'shikh LK, et al. **Vopr Virusol** (6):722–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Sedimentation properties of virion RNA of Newcastle disease virus after annealing under different conditions] Varich NL, et al. **Vopr Virusol** (1):62–6, Jan–Feb 76 **(Rus)**

ADMINISTRATION & DOSAGE

Treatment of transplanted rat tumours with double-stranded RNA (BRL 5907). I. Influenced of systemic and local administration. Pimm MV, et al. **Br J Cancer** 33(2):154–65, Feb 76

ANALYSIS

Electrophoretic separation and characterization of subunits released from influenza virus by detergents. Russ G, et al. **Acta Virol (Praha)** 20(1):1–8, Feb 76
Analysis of 32P-labeled bacteriophage MS2 RNA by a mini-fingerprinting procedure. Volckaert G, et al. **Anal Biochem** 72:433–46, 7 May 76
Mapping of the genome of Prague Rous sarcoma virus B. Billeter MA, et al. **Ann Microbiol (Paris)** 127A(1):5–6, Jan 76
The RNAs of three strains of tomato black ring virus. Delbos R, et al. **Ann Microbiol (Paris)** 127A(1):101–9, Jan 76
Proceedings: Temperature resistant strains of alfalfa mosaic virus. Franck A, et al. **Ann Microbiol (Paris)** 127A(1):173, Jan 76
Proceedings: Some aspects of cucumovirus genetics. Habili N, et al. **Ann Microbiol (Paris)** 127A(1):163–4, Jan 76
Proceedings: Comparison of some physical and chemical properties of cucumoviruses and the RNA distribution in the Nucleoproteins. Lot H, et al. **Ann Microbiol (Paris)** 127A(1):159–60, Jan 76
Proceedings: Investigation of the properties of tobacco rattle virus RNAs using 125I-labelling techniques. Minson T, et al. **Ann Microbiol (Paris)** 127A(1):91, Jan 76
Blocked 5' termini in alfalfa mosaic virus RNA. Pinck L. **Ann Microbiol (Paris)** 127A(1):175–81, Jan 76
Similarities and differences between viruses with a tripartite genome. Vloten-Doting LV. **Ann Microbiol (Paris)** 127A(1):119–29, Jan 76
Double-stranded ribonucleic acid in Agaricus bisporus. Marino R, et al. **Appl Environ Microbiol** 31(3):433–8, Mar 76
Isolation and characterization of double stranded RNA containing infectious viral genome RNA from cells infected with Semliki Forest virus. Wengler G, et al. **Arch Virol** 50(1–2):45–53, 1976
Sequence relatedness of mammalian viral RNA genomes and RNA species released by human neoplastic cells. East JL, et al. **Bibl Haematol** (43):484–7, Oct 75
The nature of endogenous oncornaviral DNA sequences in mammalian cells. Isolation of viral RNA sequence complementary to abundant viral DNA sequence in guinea pig. Nayak DP, et al. **Bibl Haematol** (43):465–71, Oct 75
The detection and characterization of polynucleotide sequences in the RNA of mammalian oncornaviruses. Phillips LA, et al. **Bibl Haematol** (43):460–4, Oct 75
Induction of globin mRNA in Friend leukemia virus-infected cells and its presence in viral 60S RNA. Ross J, et al. **Bibl Haematol** (40):205–20, 1975
Biochemical properties of wild mouse oncornaviruses with lymphomagenic and neurotropic activities. Roy-Burman P, et al. **Bibl Haematol** (40):627–37, 1975
Biochemical approaches to detection of viral related information in human acute leukemic cells. Sarin PS, et al. **Bibl Haematol** (40):463–70, 1975
Sequences related to the RNA tumor viruses in the RNA and DNA of human leukemias and lymphomas. Spiegelman S, et al. **Bibl Haematol** (40):3–25, 1975
Location of envelope-specific and other sequences on the RNA of Schmidt-Ruppin Rous sarcoma virus. Wang LH, et al. **Bibl Haematol** (43):542–8, Oct 75
The 5' sequence of VSV viral RNA and its in vitro transcription product RNA. Hefti E, et al. **Biochem Biophys Res Commun** 66(2):785–92, 16 Sep 75
Adenylic acid – rich sequences in influenza virus RNA. Macnaughton MR, et al. **Biochem Biophys Res Commun** 66(4):1166–72, 27 Oct 75
Sizing of two bacteriophage T4 specific messenger ribonucleic acids formed in vitro and in vivo. Natale PJ, et al. **Biochem Biophys Res Commun** 66(4):1287–93, 27 Oct 75
Nucleotide sequences in the RNA of mammalian leukemia and sarcoma viruses. Pang RH, et al. **Biochem Biophys Res Commun** 67(2):508–17, 17 Nov 75
Location of the cistron of the tobacco mosaic virus coat protein. Richards KE, et al. **Biochimie** 57(6–7):749–55, 1975
Mapping of poly(A) sequences in the electron microscope reveals unusual structure of type C oncornavirus RNA molecules. Bender W, et al. **Cell** 7(4):595–607, Apr 76
Topography of polyoma virus messenger RNA molecules. Kamen R, et al. **Cell** 7(3):361–71, Mar 76
RD-114, baboon, and woolly monkey viral RNA's compared in size and structure. Kung HJ, et al. **Cell** 7(4):609–20, Apr 76
Location of sequences on the adenovirus genome coding for the 5.5S RNA. Pettersson U, et al. **Cell** 6(1):1–4, Sep 75
Base sequence complexity of 35S avian myeloblastosis virus RNA determined by molecular hybridization kinetics. Baluda MA, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:869–74, 1975
Electron microscope measurements of rous sarcoma virus RNA. Delius H, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:835–43, 1975
Determination of the molecular weight of the RNA subunits of Rous sarcoma virus by electron microscopy. Jacobson AB, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:845–6, 1975
The detection and quantitation of SV40 nucleic acid sequences using single-stranded SV40 DNA probes. Khoury G, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:147–52, 1975
Studies on the structure and synthesis of Rous sarcoma virus RNA. Weissmann C, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1043–56, 1975
Doubling of genes in the RNA fragments of barley stripe mosaic virus. Dolja VV, et al. **FEBS Lett** 65(1):47–9, 15 May 76
Tobacco mosaic virus RNA carries 5'-terminal triphosphorylated guanosine blocked by 5'-linked 7-methylguanosine. Keith J, et al. **FEBS Lett** 57(1):31–4, 1 Sep 75
Sequence determination of Gp-rich oligonucleotides by means of the Kethoxal modification. Min Jou W, et al. **FEBS Lett** 66(1):77–81, 1 Jul 76
The 5'-end groups of alfalfa mosaic virus RNAs are m7G5'ppp5'Gp. Pinck L. **FEBS Lett** 59(1):24–8, 1 Nov 75
In vitro characterization of avian oncornavirus directed tumor antigens. pp. 155–71. Kurth R, et al. **In: Götz H, Bücherl ES, ed. Applied tumor immunology. Berlin, de Gruyter, 1975. W3 IN916AE 1972a.**
Sequences in SV40 DNA corresponding to the 'ends' of cytoplasmic mRNA. pp. 25–31. Dhar R, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Nucleotide sequence studies on picornavirus RNAs. pp. 169–76. Porter AG, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Human acute leukemia: increasing evidence for involvement of type-C RNA tumor viruses. pp. 337–52. Gallo RC, et al. **In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**
Comparative studies on the molecular basis for a viral involvement in murine and human mammary adenocarcinoma. pp. 311–30. Michalides R, et al. **In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**
Measurement of dengue virus-specific double-stranded ribonucleic acid in infected primate cell extracts by microquantitative complement-fixation methods. Lubiniecki AS, et al. **Int Arch Allergy Appl Immunol** 50(4):427–35, 1976
Detection of virus-specific DNA and RNA base-sequences in individual cells transformed or infected by adenovirus type 2. Moar MH, et al. **Int J Cancer** 16(6):998–1007, 15 Dec 75
Polypeptide and RNA composition of the reticuloendotheliosis viruses. Maldonado RL, et al. **Intervirology** 5(3–4):194–204, 1975
Polyacrylamide gel electrophoresis of the genomes of two orbiviruses: D'Aguilar and Eubenangee. Schnagl RD, et al. **Intervirology** 5(5):300–4, 1975
Proceedings: Ribonucleoprotein particles containing SV40 RNA. Horowitz M, et al. **Isr J Med Sci** 11(11):1214, Nov 75
Site of cleavage of superhelical phiX174 replicative form DNA by the single strand-specific Neurospora crassa endonuclease. Bartok K, et al. **J Biol Chem** 251(2):530–5, 25 Jan 76
The physical mapping of bacteriophage T5 transfer tRNAs. Chen MJ, et al. **J Biol Chem** 251(2):536–47, 25 Jan 76
All intact subunit RNAs from Rous sarcoma virus contain poly (A). King AM, et al. **J Biol Chem** 251(1):150–2, 10 Jan 76
Heterogeneous 5'-terminal structures occur on vesicular stomatitis virus mRNAs. Rose JK. **J Biol Chem** 250(20):8098–104, 25 Oct 75
A comparison of molecular weights of foot-and-mouth disease virus RNA fragments determined from lengths and s-rates. Breese SS. **J Gen Virol** 31(1):1–8, Apr 76
The RNAs of the defective interfering Pichinide virus. Dutko FJ, et al. **J Gen Virol** 31(3):417–27, Jun 76
Polysomal RNA in Semliki Forest virus infected Aedes albopictus cells. Eaton BT, et al. **J Gen Virol** 29(1):35–49, Oct 75
Different patterns of polyadenylation of rhinovirus: specified RNA during multiplication in human aneuploid and diploid cells. Macnaughton MR, et al. **J Gen Virol** 30(2):263–7, Feb 76
Variations in hybridization of RNA from different mouse tissues and embryos to endogenous C-type virus DNA transcripts. Mukherjee BB, et al. **J Gen Virol** 28(1):129–35, Jul 75
Absence of poly (A) from the infective RNA of Nodamura virus. Newman JF, et al. **J Gen Virol** 30(1):137–40, Jan 76
Effect of murine leukaemia virus age on its 8S RNA components. Robert-Robin J, et al. **J Gen Virol** 30(1):149–52, Jan 76
Derivation of mouse sarcoma virus (Kirsten) by acquisition of genes from heterologous host. Roy-Burman P, et al. **J Gen Virol** 28(2):193–8, Aug 75
Doublet frequencies in sequenced nucleic acids. Elton RA. **J Mol Evol** 4(4):323–46, 24 Mar 75
Considerations regarding the regulation of gene transcription and messenger translation. Fitch WM. **J Mol Evol** 1(1):185–207, 1971
Identification of early adenovirus type 2 RNA species transcribed from the left-hand end of the genome. Craig EA, et al. **J Urol** 16(4):905–12, Oct 75
Poly(A) on mengovirus RNA. Spector DH, et al. **J Urol** 16(4):1081–4, Oct 75
Size of virus-specific RNA in B-34, a hamster tumor cell producing nucleic acids of type C viruses from three species. Tsuchida N, et al. **J Urol** 16(4):832–7, Oct 75
Mapping RNase T1-resistant oligonucleotides of avian tumor virus RNAs: sarcoma-specific oligonucleotides are near the poly(A) end and oligonucleotides common to sarcoma and transformation-defective viruses are at the poly(A) end. Wang LH, et al. **J Urol** 16(4):1051–70, Oct 75
RNA composition of Junin virus. Añón MC, et al. **J Virol** 18(3):833–8, Jun 76
Hybridization of mRNA from adenovirus-transformed cells to segments of the adenovirus genome. Bachenheimer S, et al. **J Virol** 19(1):286–9, Jul 76
Transcriptase activity and genome composition of defective influenza virus. Bean WJ Jr, et al. **J Virol** 18(1):365–9, Apr 76
Sequence homology between Moloney murine sarcoma virus and Moloney leukemia virus RNA. Bondurant M, et al. **J Virol** 19(1):82–9, Jul 76
Properties of feline leukemia virus. III. Analysis of the RNA. Brian DA, et al. **J Virol** 16(3):535–45, Sep 75
Lysine tRNA's associated with avian myeloblastosis virus 70S RNA. Carlson JV, et al. **J Virol** 19(2):760–3, Aug 76
Mason-Pfizer virus RNA genome: relationship to the RNA

of morphologically similar isolates and other oncornaviruses. Colcher D, et al. **J Virol** 17(3):705–12, Mar 76

Nucleotide sequence that binds primer for DNA synthesis to the avian sarcoma virus genome. Cordell B, et al. **J Virol** 19(2):548–58, Aug 76

Blocked 5' termini in brome mosaic virus RNA. Dasgupta R, et al. **J Virol** 18(1):260–7, Apr 76

RNA metabolism of murine leukemia virus. III. Identification and quantitation of endogenous virus-specific mRNA in the uninfected BALB/c cell line JLS-V9. Fan H, et al. **J Virol** 18(2):401–10, May 76

Structural difference between the 5' termini of viral and cellular mRNA in poliovirus-infected cells: possible basis for the inhibition of host protein synthesis. Fernandez-Munoz R, et al. **J Virol** 18(2):719–26, May 76

Size of murine RNA tumor virus-specific nuclear RNA molecules. Haseltine WA, et al. **J Virol** 19(2):331–7, Aug 76

Epstein-Barr virus-specific RNA. I. Analysis of viral RNA in cellular extracts and in the polyribosomal fraction of permissive and nonpermissive lymphoblastoid cell lines. Hayward SD, et al. **J Virol** 18(2):518–25, May 76

5' nucleotide sequence of sindbis viral RNA. Hefti E, et al. **J Virol** 17(1):149–59, Jan 75

Genome localization of simian virus 40 RNA species. Khoury G, et al. **J Virol** 17(3):832–40, Mar 76

Intracisternal A particles from FLOPC-1 BALB/c myeloma: presence of high-molecular-weight RNA and RNA-dependent DNA polymerase. Krueger RG. **J Virol** 18(2):745–56, May 76

Polyadenylic acid sequences in rhinovirus RNA species from infected human diploid cells. Macnaughton MR, et al. **J Virol** 16(3):745–8, Sep 75

Base sequence differences between the RNA components of Harvey sarcoma virus. Maisel J, et al. **J Virol** 16(3):749–53, Sep 75

Polyadenylic acid in the genomic RNA of mengovirus. Marshall MV, et al. **J Virol** 19(2):743–5, Aug 76

Intracellular distribution and sedimentation properties of virus-specific RNA in two clones of BHK cells transformed by polyoma virus. Maxwell IH. **J Virol** 18(2):461–72, May 76

Sequence of methylated nucleotides at the 5'-terminus of adenovirus-specific RNA. Moss B, et al. **J Virol** 17(2):385–92, Feb 76

Low frequency of (5'-3') -C-G- connection in 70S RNA from simian sarcoma virus. Ohe K, et al. **J Virol** 16(3):729–35, Sep 75

Differences in RNA patterns of influenza A viruses. Palese P, et al. **J Virol** 17(3):876–84, Mar 76

Deletion mapping of moloney type C virus: polypeptide and nucleic acid expression in different transforming virus isolates. Parks WP, et al. **J Virol** 18(2):491–503, May 76

Influenza virus RNA's in the cytoplasm of chicken embryo cells treated with 3'-deoxyadenosine. Pridgen CL. **J Virol** 18(1):356–60, Apr 76

5'-terminal sequence of vesicular stomatitis virus mRNA's synthesized in vitro. Rhodes DP, et al. **J Virol** 17(1):33–42, Jan 75

RNAs of influenza A, B, and C viruses. Ritchey MB, et al. **J Virol** 18(2):738–44, May 76

Characteristics of the genome of human infantile enteritis virus (Rotavirus). Schnagl RD, et al. **J Virol** 19(1):267–70, Jul 76

Characterizatiion of rat genetic sequences of Kirsten sarcoma virus: distinct class of endogenous rat type C viral sequences. Scolnick EM, et al. **J Virol** 18(2):559–66, May 76

Homology between avian oncornavirus RNAs and DNA from several avian species. Shoyab M, et al. **J Virol** 16(6):1492–502, Dec 75

Ribonucleotide sequence homology among avian oncornaviruses. Shoyab M, et al. **J Virol** 17(1):106–113, Jan 75

Adenovirus type 12-specific RNA sequences during productive infection of KB cells. Smiley JR, et al. **J Virol** 19(1):36–42, Jul 76

Comparison of an avian osteopetrosis virus with an avian lymphomatosis virus by RNA–DNA hybridization. Smith RE, et al. **J Virol** 17(1):160–7, Jan 75

Structure of B77 sarcoma virus RNA: stabilization of RNA after packaging. Stoltzfus CM, et al. **J Virol** 16(5):1161–70, Nov 75

Evidence of methylation of B77 avian sarcoma virus genome RNA subunits. Stoltzfus CM, et al. **J Virol** 18(2):586–95, May 76

tRNA's associated with the 70S RNA of avian myeloblastosis virus. Waters LC, et al. **J Virol** 16(6):1608–14, Dec 75

Comparative electrophoresis of the 18–22S RNAs of Newcastle disease virus. Weiss SR, et al. **J Virol** 18(1):316–23, Apr 76

Cucumber mosaic virus RNA contains 7-methyl guanosine at the 5'-terminus of all four RNA species. Symons RH. **Mol Biol Rep** 2(4):277–85, Dec 75

Newcastle disease virus mRNA lacks 2'-O-methylated nucleotides. Colonno RJ, et al. **Nature** 261(5561):611–4, 17 Jun 76

Interaction of tryptophan transfer RNA with Rous sarcoma virus 35S RNA. Eiden JJ, et al. **Nature** 259(5540):245–7, 22 Jan 76

Complete nucleotide sequence of bacteriophage MS2 RNA: primary and secondary structure of the replicase gene. Fiers W, et al. **Nature** 260(5551):500–7, 8 Apr 76

Blocked, methylated 5'-terminal sequence in avian sarcoma virus RNA. Furuichi Y, et al. **Nature** 257(5527):618–20, 16 Oct 75

Identification of heat-dissociable RNA complexes in two porcine coronaviruses. Garwes DJ, et al. **Nature** 257(5526):508–10, 9 Oct 75

N6, O2'-dimethyladenosine a novel methylated ribonucleoside next to the 5' terminal of animal cell and virus mRNAs. Wei C, et al. **Nature** 257(5523):251–3, 18 Sep 75

Sequence of the promoter-operator proximal region of the major leftward RNA of bacteriophage lambda. Dahlberg JE, et al. **Nucleic Acids Res** 2(9):1441–58, Sep 75

Analysis of oncornavirus RNA subunits by electron microscopy. Heine UI, et al. **Proc Natl Acad Sci USA** 72(9):3716–20, Sep 75

5'-terminal structure of poliovirus polyribosomal RNA is pUp. Hewlett MJ, et al. **Proc Natl Acad Sci USA** 73(2):327–30, Feb 76

Mapping of biological functions on RNA of avian tumor viruses: location of regions required for transformation and determination of host range. Joho RH, et al. **Proc Natl Acad Sci USA** 72(12):4772–6, Dec 75

Identification of the 5' end of Rous sarcoma virus RNA. Keith J, et al. **Proc Natl Acad Sci USA** 72(9):3347–50, Sep 75

Bovine leukemia virus: an exogenous RNA oncogenic virus. Kettmann R, et al. **Proc Natl Acad Sci USA** 73(4):1014–8, Apr 76

Search for nucleic acid sequences complementary to a murine oncornaviral genome in poly(A)-rich RNA of human leukemic cells. Larsen CJ, et al. **Proc Natl Acad Sci USA** 72(12):4900–4, Dec 75

Relationship in nucleic acid sequences between mouse mammary tumor virus variants. Michalides R, et al. **Proc Natl Acad Sci USA** 72(11):4635–9, Nov 75

The 5' end of poliovirus mRNA is not capped with m7G(5')ppp(5')Np. Nomoto A, et al. **Proc Natl Acad Sci USA** 73(2):375–80, Feb 76

Location of envelope-specific and sarcoma-specific oligonucleotides on RNA of Schmidt-Ruppin Rous sarcoma virus. Wang LH, et al. **Proc Natl Acad Sci USA** 73(2):447–51, Feb 76

Increased sarcoma virus RNA in cells transformed by leukemia viruses: model for leukemogenesis. Peebles PT, et al. **Science** 192(4244):1143–5, 11 Jun 76

Biochemical evidences for ribonucleic acid viral-like characteristics in malignant diseases of gastrointestinal tract and lung in humans. Cuatico W, et al. **Surg Gynecol Obstet** 143(2):193–200, Aug 76

A possible replicative form of brome mosaic virus RNA 4. Bastin M, et al. **Virology** 72(2):536–9, 15 Jul 76

The maize rough dwarf virion. I. Protein composition and distribution of RNA in different viral fractions. Boccardo G, et al. **Virology** 68(1):79–85, Nov 75

The structure of eggplant mosaic virus: evidence for the presence of low molecular weight RNA in top component. Bouley J, et al. **Virology** 69(2):775–81, Feb 76

Intracellular distribution and polyadenylate content of adeno-associated virus RNA sequences. Carter BJ. **Virology** 73(1):273–85, Aug 76

Foot-and-mouth disease virus RNA. Presence of 3'-terminal polyriboadenylic acid and absence of amino acid binding ability. Chatterjee NK, et al. **Virology** 69(2):369–77, Feb 76

Hybridization studies of the relationship between influenza virus RNA and cellular DNA. Cox NJ, et al. **Virology** 69(1):304–13, Jan 76

Polyadenylic acid size and position found in Sindbis virus genome and mRNA species. Deborde DC, et al. **Virology** 72(1):80–8, 1 Jul 76

Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and polyacrylamide-gel electrophoresis. Dickson E, et al. **Virology** 68(2):309–16, Dec 75

The origin of 7 S RNA in virions of avian sarcoma viruses. Erikson E, et al. **Virology** 72(2):518–22, 15 Jul 76

Viral nucleic acid sequences in transformed cells. IV. A study of the sequences of adenovirus 5 DNA and RNA in four lines of adenovirus 5-transformed rodent cells using specific fragments of the viral genome. Flint SJ, et al. **Virology** 72(2):456–70, 15 Jul 76

Adenovirus transcription. III. Mapping of viral RNA sequences in cells productively infected by adenovirus type 5. Flint SJ, et al. **Virology** 72(2):443–55, 15 Jul 76

Differences between genomes of two strains of mouse mammary tumor virus as shown by partial RNA sequence analysis. Friedrich R, et al. **Virology** 72(2):330–40, 15 Jul 76

Oligonucleotide mapping of picornavirus RNAs by two-dimensional electrophoresis. Frisby DP, et al. **Virology** 71(2):379–88, Jun 76

RNA and proteins of the Kirsten sarcoma-xenotropic leukemia virus complex propagated in rat and duck cells. Galehouse DM, et al. **Virology** 70(1):97–104, Mar 76

Polyadenylate sequences of fowl plague virus complementary RNA (cRNA) synthesized in vivo and in vitro. Ghendon Y, et al. **Virology** 68(2):330–7, Dec 75

Properties of maize chlorotic dwarf virus and its ribonucleic acid. Gingery RE. **Virology** 73(2):311–8, Sep 76

Stability of simian virus 40 (SV40) mRNA species. Ho L, et al. **Virology** 67(2):588–90, Oct 75

Biochemical characterization of cucumber green mottle mosaic virus ribonucleic acid. Kurisu M, et al. **Virology** 70(1):214–6, Mar 76

Viral RNA in the cytoplasm of SV40-transformed mouse cells: post-transcriptional processing. Leong JA, et al. **Virology** 71(1):355–60, May 76

Formation of the guanylylated and methylated 5'-terminus of vaccinia virus mRNA. Moss B, et al. **Virology** 72(2):341–51, 15 Jul 76

Studies on the in vivo and in vitro messenger RNA species of vesicular stomatitis virus. Moyer SA, et al. **Virology** 67(2):463–73, Oct 75

In vivo methylation of vesicular stomatitis virus and its host-cell messenger RNA species. Moyer SA, et al. **Virology** 70(2):339–51, Apr 76

Cross-linked double-stranded RNA from a defective vesicular stomatitis virus particle. Perrault J. **Virology** 70(2):360–71, Apr 76

Influenza virus messenger ribonucleoprotein. Pons MW. **Virology** 67(1):209–18, Sep 75

A reexamination of influenza single-and double-stranded RNAs by gel electrophoresis. Pons MW. **Virology** 69(2):789–92, Feb 76

Coelectrophoresis of double-stranded RNA from maize rough dwarf and rice black-streaked dwarf viruses. Reddy DV, et al. **Virology** 67(1):279–82, Sep 75

Electrophoretic separation of dsRNA genome segments from maize wallaby ear virus and its relationship to other phytoreoviruses. Reddy DV, et al. **Virology** 73(1):36–42, Aug 76

Coelectrophoresis of double-stranded RNA from maize rough dwarf and rice black-streaked dwarf viruses. Reddy DVR, et al. **Virology** 67(1):279–82, Sep 75

Nucleotide sequence homologies among mouse mammary tumor viruses. Ringold GM, et al. **Virology** 70(2):550–3, Apr 76

The nucleic acids of viruses infecting Heliothis armigera. Rubinstein R, et al. **Virology** 69(1):323–6, Jan 76

Fingerprint analyses of cytoplasmic adenovirus 2 RNA size classes synthesized late in productive infection. Tal J, et al. **Virology** 68(2):547–9, Dec 75

A study of nucleotide sequence homology between strains of tobacco mosaic virus. Vandewalle MJ, et al. **Virology** 73(2):413–8, Sep 76

Nucleic acid sequence relationships among 'slow' viruses of sheep. Weiss MJ, et al. **Virology** 71(2):395–401, Jun 76

Localization of the 26-S RNA sequence on the viral genome type 42-S RNA isolated from SFV-infected cells. Wengler G, et al. **Virology** 73(1):190–9, Aug 76

[RNA fragments rich in G and A nucleotides obligatory for in vitro DNA replication of phages phi-X 174 and lambda] Beljanski MM. **C R Acad Sci [D] (Paris)** 280(9):1189–92, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Identification of ribonucleic acids of a simian oncornavirus (SSV1)] Ravicovitch RE, et al. **C R Acad Sci [D] (Paris)** 280(5):681–4, 3 Feb 75 (Eng. Abstr.) **(Fre)**

[Localization of the polycytidylic sequence in the virion RNA molecule of the encephalomyocarditis virus] Chumakov KM, et al. **Dokl Akad Nauk SSSR** 228(4):988–91, 1976 **(Rus)**

[Studies of structure and interactions of TMV components by means of circular dichroism and UV-spectroscopy] Lanina TP, et al. **Mol Biol** 8(5):742–51, Sep-Oct 74 (Eng. Abstr.) **(Rus)**

[Polyadenylic acid sequence in viral RNA] Gaĭtskhoki VS, et al. **Vopr Virusol** (2):131–40, Mar-Apr 76 **(Rus)**

[Characteristics of messenger RNA for interferon and of interferon-inducing RNA isolated from Newcastle disease virus infected cells] Orlova TF, et al. **Vopr Virusol** (4):412–6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Electrophoretic motility of RNA of recombinant influenza virus strains X-7 and X-9] Zazimko LA, et al. **Vopr Virusol** (6):686–9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Study of the homology of nuclear and polysomal virus-specific RNA in nuclear polyhedrosis of Galleria mellonella L] Solomko OP. **Mikrobiol Zh** 37(1):113–4, Jan-Feb 75 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

The dynamics of production and the sensitivity to cycloheximide and actinomycin D of interferon-inducing and interferon messenger RNA. Orlova TG, et al. **Acta Virol (Praha)** 20(1):9–14, Feb 76

Location, rate and asymmetry of ds-RNA synthesis during replication of TYMV in Chinese cabbage. Bedbrook JR, et al. **Ann Microbiol (Paris)** 127A(1):55–60, Jan 76

Host and virus specific RNA polymerases in alfalfa mosaic virus infected tobacco. Bol JF, et al. **Ann Microbiol (Paris)** 127A(1):183–92, Jan 76

The multipartite genome of brome mosaic virus: aspects of in vitro translation and RNA structure. Davies JW. **Ann Microbiol (Paris)** 127A(1):131–42, Jan 76

Towards an understanding of viroid nature and replication. Diener TO. **Ann Microbiol (Paris)** 127A(1):7–17, Jan 76

TYMV RNA replicase: formation of a complex between the purified enzyme and TYMV RNA. Mouchès C, et al. **Ann Microbiol (Paris)** 127A(1):75–90, Jan 76

Proceedings: Inoculation of Vigna protoplasts with separate components of CPMV. Rottier PJ. **Ann Microbiol (Paris)** 127A(1):113–4, Jan 76

Evaluation of the techniques used for investigating the in vitro synthesis of bromegrass mosaic virus RNA. Semal J, et al. **Ann Microbiol (Paris)** 127A(1):153–8, Jan 76

Proceedings: Replication and cell interaction relationships

of the pathogenic (viroid) RNA from the exocortis disease. Semancik JS, et al. **Ann Microbiol (Paris)** 127A(1):19, Jan 76

Proceedings: New species of RNA formed during tobacco mosaic virus infection. Siegel A, et al. **Ann Microbiol (Paris)** 127A(1):35, Jan 76

Inhibition of influenza RNA synthesis by virazole (ribavirin). Scholtissek C. **Arch Virol** 50(4):349–52, 1976

Methylation of cytoplasmic adenovirus RNA synthesized early and late in productive infection. Fernandez SM, et al. **Biochem Biophys Res Commun** 66(1):67–74, 2 Sep 75

The 5' sequences of VSV in vitro transcription product RNA (+/–SAM). Hefti E, et al. **Biochem Biophys Res Commun** 68(2):393–400, 26 Jan 76

Three new virus-specific low molecular RNAs in adenovirus type 2 infected KB cells. Raska K Jr, et al. **Biochem Biophys Res Commun** 69(1):79–84, 8 Mar 76

Translation of avian myeloblastosis virus RNA in a reticulocyte cell-free system. Salden MH, et al. **Biochem Biophys Res Commun** 68(1):249–55, 12 Jan 76

Preferential inhibition by poly(adenylic acid) of minus-strand synthesis by bacteriophage Qbeta ribonucleic acid replicase. Kondo M. **Biochem J** 155(2):461–4, 1 May 76

A model for the replication of double-stranded ribonucleic acid mycoviruses. Buck KW, et al. **Biochem Soc Trans** 3(4):542–4, 1975

Determination of molar ratios of vesicular stomatitis virus induced RNA species in BHK21 cells. Villarreal LP, et al. **Biochemistry** 15(8):1663–7, 20 Apr 76

Mapping of viral-specific RNA in the cytoplasm and nucleus of adenovirus 2-infected human cells. Flint SJ, et al. **Brookhaven Symp Biol** (26):333–58, Jul 75

Transcription during productive infection with polyoma virus and Simian virus 40. Acheson NH. **Cell** 8(1):1–12, May 76

The virus-specified subunits of a modified B. subtilis RNA polymerase are determinants of DNA binding and RNA chain initiation. Duffy JJ, et al. **Cell** 8(4):595–604, Aug 76

Preferential synthesis of viral late RNA by nuclei isolated from SV40 lytically infected cells. Gilboa E, et al. **Cell** 7(4):567–73, Apr 76

Effect of Fv-1 gene product on synthesis of N-tropic and B-tropic murine leukemia viral RNA. Jolicoeur P, et al. **Cell** 7(1):33–9, Jan 76

Genes for VA-RNA in adenovirus 2. Mathews MB. **Cell** 6(2):223–9, Oct 75

A mutant of escherichia coli defective in removing 3' terminal nucleotides from some transfer RNA precursor molecules. Seidman JG, et al. **Cell** 5(4):389–400, Aug 75

A new species of virus-coded low molecular weight RNA from cells infected with adenovirus type 2. Söderlund H, et al. **Cell** 7(4):585–93, Apr 76

Studies on the function of polyadenylic acid on poliovirus RNA. Spector DH, et al. **Cell** 6(1):41–4, Sep 75

Low molecular weight viral RNAs transcribed by RNA polymerase III during adenovirus 2 infection. Weinmann R, et al. **Cell** 7(4):557–66, Apr 76

Antiviral 1,3,4-thiadiazoles. II. Effects on cellular and viral RNA synthesis in Mengo-virus-infected FL cells. Tonew M. **Chemotherapy** 22(2):114–20, 1976

Biogenesis and characterization of SV40 and polyoma RNAs in productively infected cells. Aloni Y. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:165–78, 1975

Cytosine arabinoside- and interferon-mediated control of polyoma and SV40 genome expression. Brandner G, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:305–8, 1975

Virus-specific RNA in cells productively infected or transformed by polyoma virus. Kamen R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:187–98, 1975

AMV RNA transcription in cell-free systems and properties of in vitro chromatin-directed RNA synthesis. Monroy G, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1033–41, 1975

RNA synthesis and processing in adenovirus-infected cells. Philipson L, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:447–56, 1975

Regulation of herpesvirus macromolecular synthesis: evidence for multilevel regulation of herpes simplex 1 RNA and protein synthesis. Roizman B, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:687–701, 1975

Mapping of adenovirus 2 RNA sequences in lytically infected cells and transformed cell lines. Sharp PA, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:457–74, 1975

Mapping of SV40 mRNA species on the viral genome. Weinberg RA, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:161–4, 1975

The transcriptional role of host *DNA-dependent RNA polymerases in adenovirus-infected KB cells. Weinmann R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:495–9, 1975

Cellular RNA and influenza-virion RNA are synthesized from different pyrimidine-nucleoside-triphosphate pools in chick-embryo cells. Dämmgen JW, et al. **Eur J Biochem** 59(1):51–4, 1 Nov 75

tRNA nucleotidyltransferase-catalyzed incorporation of CMP and AMP into RNA-bacteriophage genome fragments. Prochiantz A, et al. **Eur J Biochem** 52(1):17–23, 3 Mar 75

Transcription of the genome of adenovirus type 12. Viral mRNA in productively infected KB cells. Scheidtmann KH, et al. **Eur J Biochem** 58(2):283–90, 15 Oct 75

The process of formation of the 5' –terminal modified structure in messenger RNA of cytoplasmic polyhedrosis virus. Shimotohno K, et al. **FEBS Lett** 64(1):204–8, 15 Apr 76

Net synthesis of short RNA chains by E. coli RNA polymerase at low pH. Wienand U, et al. **FEBS Lett** 59(1):113–6, 1 Nov 75

Nucleotide sequence homology between a virus-specific 6S RNA and various RNA species from adenovirus-2-infected KB cells. Ohe K. **Gann** 66(4):375–84, Aug 75

Unequal rates of 'early' and 'late' SV 40 RNA synthesis in isolated nuclei. pp. 19–24. Aviv H, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro transcription by the influenza virion RNA transcriptase. pp. 95–101. Carroll AR, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Synthesis in vitro of mRNA by RNA polymerase induced in VSV-infected L cells and translation of the mRNA species into viral proteins. pp. 259–64. Ghosh HP, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The transcription of AMV RNA sequences from nuclei and chromatin of avian myoblasts. pp. 51–8. Jacquet M, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The direction of transcription of polyoma virus DNA. pp. 59–66. Kamen R, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

TYMV-RNA replicase. pp. 109–20. Mouches C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Sarkosyl extraction of an active SV40 transcription complex. pp. 67–73. Mousset S, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

RNA polymerase activity associated with Uukuniemi virus. pp. 121–7. Pettersson RF, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Transcription of adenovirus 'cores'. pp. 75–82. Tate V, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro transcription of polyoma virus DNA. pp. 83–91. Yaniv M, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The generation of extracistronic mutations in Qbeta RNA by site-directed mutagenesis. pp. 385–90. Flavell RA, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Characterization and metabolism of nuclear viral RNA synthesized 18 hours after infection with adenovirus 2. pp. 237–52. Brunner M, et al.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Intracellular forms of adenovirus DNA in productively infected cells: evidence for integration of the viral genome. pp. 155–81. Doerfler W, et al.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Herpes simplex virus: aspects of structure and regulation of viral RNA and protein synthesis. pp. 355–95. Roizman B.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973. (51 ref.)

Transcription of SV40 in lytically infected and transformed cells. pp. 91–116. Sambrook J, et al.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Incomplete viral synthesis in Friend leukemia virus-induced reticulum cell sarcomas. Black DR, et al. **Int J Cancer** 17(2):245–53, 15 Feb 76

Guanidine inhibits tobacco mosaic virus RNA synthesis at two stages. Dawson WO. **Intervirology** 6(2):83–9, 1975–76

Temperature-dependent synthesis of early and late SV40 cytoplasmic RNA during tsD101 mutant virion infection. Robb JA, et al. **Intervirology** 6(2):122–8, 1975–76

Proceedings: Biogenesis of SV40 RNA in productively infected cells. Laub O, et al. **Isr J Med Sci** 11(11):1207, Nov 75

The replication of influenza virus RNA. Barry RD. **J Antimicrob Chemother** 1(4 Suppl):9–17, Dec 75

R17 RNA replicase. V. Rifamycin sensitivity of R17 RNA synthesis in vivo. Igarashi SJ, et al. **J Biochem (Tokyo)** 77(6):1261–9, Jun 75

A novel function of Escherichia coli transfer RNA nucleotidyltransferase. Biosynthesis of the C-C-A sequence in a phage T4 transfer RNA precursor. Schmidt FJ. **J Biol Chem** 250(21):8399–403, 10 Nov 75

Influenza virus RNA-synthesizing complex in the nucleoplasm of infected cells. Assadullaeff T, et al. **J Gen Virol** 29(1):137–42, Oct 75

The induction of interferon by temperature-sensitive mutants of Sindbis virus: its relationship to double-stranded RNA synthesis and cytopathic effect. Atkins GJ, et al. **J Gen Virol** 30(2):157–65, Feb 76

Semliki Forest virus intracellular RNA: properties of the multi-stranded RNA species and kinetics of positive and negative strand synthesis. Bruton CJ, et al. **J Gen Virol** 28(1):111–27, Jul 75

A genetic approach to studies on the synthesis of the complementary RNA's of fowl plague virus. Germanov AB. **J Gen Virol** 31(3):281–8, Jun 76

The synthesis of polyadenylated messenger RNA in herpes simplex type I virus infected BHK cells. Harris TJ, et al. **J Gen Virol** 28(3):299–312, Sep 75

Virus-specific proteins associated with the replication complex of poliovirus RNA. Röder A, et al. **J Gen Virol** 28(1):85–98, Jul 75

F factor-mediated inhibition of bacteriophage T7 growth: analysis of T7 RNA and protein synthesis in vivo and in vitro using male and female Escherichia coli. Condit RC, et al. **J Mol Biol** 98(1):31–43, 15 Oct 75

Translation of the RNAs of brome mosaic virus: the monocistronic nature of RNA1 and RNA2. Shih DS, et al. **J Mol Biol** 103(1):77–88, 5 May 76

Analysis of bacteriophage T4 chloramphenicol RNA by DNA-RNA hybridization and by cell-free protein synthesis, and the effect of Escherichia coli polarity-suppressing alleles on its synthesis. Young ET. **J Mol Biol** 96(3):393–424, 15 Aug 75

Temperature-sensitive mutants of influenza WSN virus defective in virus-specific RNA synthesis. Krug RM, et al. **J Urol** 16(4):790–6, Oct 75

Viral transcription in KB cells infected by temperature-sensitive 'early' mutants of adenovirus type 5. Carter TH, et al. **J Virol** 18(1):156–66, Apr 76

Synthesis of complementary RNA containing polyadenylic acid by Sendai virions in vitro. Colonno RJ, et al. **J Virol** 17(3):737–44, Mar 76

Replication of picornaviruses. I. Evidence from in vitro RNA synthesis that poly(A) of the poliovirus genome is genetically coded. Dorsch-Häsler K, et al. **J Virol** 16(6):1512–7, Dec 75

Effect of the 'RNA control' locus in Escherichia coli on RNA bacteriophage R23 replication. Ernberg J, et al. **J Virol** 17(2):307–15, Feb 76

Kinetics of utilization of Sendai virus RNA and protein in the process of virion assembly. Famulari NG, et al. **J Virol** 17(2):605–13, Feb 76

Adenovirus transcription. II. RNA sequences complementary to simian virus 40 and adenovirus 2DNA in AD2+ND1- and AD2+ND3-infected cells. Flint SJ, et al. **J Virol** 16(3):662–73, Sep 75

Analysis of in vitro transcription products of intracellular vesicular stomatitis virus RNA polymerase. Galet H, et al. **J Virol** 19(2):467–74, Aug 76

Characterization of the mRNA of influenza virus. Glass SE, et al. **J Virol** 16(6):1435–43, Dec 75

Rate of virus-specific RNA synthesis in synchronized chicken embryo fibroblasts infected with avian leukosis virus. Humphries EH, et al. **J Virol** 17(2):393–401, Feb 76

Transcription of simian virus 40. V. Regulattion of simian virus 40 gene expression. Laub O, et al. **J Virol** 16(5):1171–83, Nov 75

DNA strand specificity of temporal RNA classes produced during infection of Bacillus subtilis by SP82. Lawrie JM, et al. **J Virol** 19(2):359–73, Aug 76

Regulation of early mRNA synthesis after bacteriophage T4 infection of Escherichia coli. Linder CH, et al. **J Virol** 16(3):463–9, Sep 75

Rhinovirus multistranded RNA: dependence of the replicative form on the presence of actinomycin D. Macnaughton MR, et al. **J Virol** 18(3):926–32, Jun 76

RNA synthesis in cells infected with herpes simplex virus. XII. Sequence complexity and properties of RNA differing in extent of adenylation. Silvertien S, et al. **J Virol** 18(3):977–91, Jun 76

Regulated transcription of the genomes of defective virions and temperature-sensitive mutants of reovirus. Spandidos DA, et al. **J Virol** 18(1):7–19, Apr 76

Regulation of macromolecular synthesis in reovirus-infected L-929 cells I. Effect of L-histidinol. Warrington RC, et al. **J Virol** 16(6):1503–11, Dec 75

Viral RNA synthesis and levels of DNA-dependent RNA polymerases during replication of adenovirus 2. Weinmann R, et al. **J Virol** 17(1):114–26, Jan 75

Effect of cordycepin (3'-deoxyadenosine) on virus-specific RNA species synthesized in Newcastle disease virus-infected cells. Weiss SR, et al. **J Virol** 16(6):1575–83, Dec 75

F-Factor-mediated restriction of bacteriophage T7: synthesis of RNA and protein in T7-infected Escherichia coli F- and F+ cells. Whitaker PA, et al. **J Virol** 16(6):1380–90, Dec 75

In vitro replication of cowpea mosaic virus RNA. II. Solubilization of membrane-bound replicase and the partial purification of the solubilized enzyme. Zabel P, et al. **J Virol** 17(3):679–85, Mar 76

On the synthesis of viral ribonucleic acids and ribonucleoproteins in the submitochondrial system completely free of interfering cytoplasmic contaminations.

Gaitskhoki VS, et al. **Mol Cell Biochem** 10(1):17–26, 31 Jan 76

4S oop RNA is a leader sequence for the immunity-establishment transcription in coliphage lambda. Honigman A, et al. **Nature** 262(5564):112–6, 8 Jul 76

In vitro transcription of a late class of phage SP01 genes. Pero J, et al. **Nature** 257(5523):248–51, 18 Sep 75

Sequential transcription of the genes of vesicular stomatitis virus. Abraham G, et al. **Proc Natl Acad Sci USA** 73(5):1504–8, May 76

Adenovirus-2 mRNA is transcribed as part of a high-molecular-weight precursor RNA. Bachenheimer S, et al. **Proc Natl Acad Sci USA** 72(11):4445–9, Nov 75

Regulation of viral transciption and tumor antigen expression in cells transformed by simian virus 40. Basilico C, et al. **Proc Natl Acad Sci USA** 73(6):1931–5, Jun 76

Infection of preimplantation mouse embryos and of newborn mice with leukemia virus: tissue distribution of viral DNA and RNA and leukemogenesis in the adult animal. Jaenisch R, et al. **Proc Natl Acad Sci USA** 72(10):4008–12, Oct 75

Nucleotide sequence of microvariant RNA: another small replicating molecule. Mills DR, et al. **Proc Natl Acad Sci USA** 72(11):4252–6, Nov 75

Detection of polycistronic and overlapping bacteriophage T7 late transcripts by in vitro translation. Pachl CA, et al. **Proc Natl Acad Sci USA** 73(2):312–6, Feb 76

Transcription termination and late control in phage lambda. Roberts JW. **Proc Natl Acad Sci USA** 72(9):3300–4, Sep 75

In vitro system for induction of delayed early RNA of bacteriophage T4. Thermes C, et al. **Proc Natl Acad Sci USA** 73(8):2569–73, Aug 76

Synthesis of an R plasmid protein associated with tetracycline resistance is negatively regulated. Yang HL, et al. **Proc Natl Acad Sci USA** 73(5):1509–12, May 76

Early events in the lytic infection of primary mouse kidney cell culture with polyoma virus. The effect of various input multiplicities. Brown A, et al. **Proc Soc Exp Biol Med** 152(1):61–3, May 76

The incorporation of radioactive uridine into the hepatitis B antigen of a chimpanzee. Jóźwiak W, et al. **Proc Soc Exp Biol Med** 150(1):121–5, Oct 75

The nature of the RNA products synthesized in vitro by subviral components of visicular stomatitis virus. Abraham G, et al. **Virology** 71(1):230–41, May 76

Biophysical studies of reovirus type 3. III. A laser light-scattering study of the RNA transcriptase reaction. Bellamy AR, et al. **Virology** 70(1):28–36, Mar 76

Synthesis of herpes simplex virus-specified RNA by an RNA polymerase II in isolated nuclei in vitro. Ben-Zeev A, et al. **Virology** 71(1):302–11, May 76

Studies on lumbo virus replication. I. RNA-dependent RNA polymerase associated with virions. Bouloy M, et al. **Virology** 69(1):258–64, Jan 76

Studies on the in vitro transcription and translation of vesicular stomatitis virus mRNA. Breindl M, et al. **Virology** 73(1):106–18, Aug 76

Macromolecular synthesis in T7 infected F' cells. Britton JR, et al. **Virology** 67(1):264–75, Sep 75

Transcription of equine herpesvirus type 1: evidence for classes of transcripts differing in abundance. Cohen JC, et al. **Virology** 68(2):561–5, Dec 75

Synthesis of TMV RNA at restrictive high temperatures. Dawson WO. **Virology** 73(2):319–26, Sep 76

Defective interfering particles of Semliki Forest virus generated in BHK cells do not interfere with viral RNA synthesis in Aedes albopictus cells. Eaton BT. **Virology** 68(2):534–8, Dec 75

Viral RNA synthesis is renewed in protoplasts isolated from TMV-infected Xanthi tobacco leaves in an advanced stage of virus infection. Föglein FJ, et al. **Virology** 67(1):74–9, Sep 75

Viral RNA synthesis is renewed in protoplasts isolated from TMV-infected Xanthi tobacco leaves in an advanced stage of virus infection. Föglein FJ, et al. **Virology** 67(1):74–9, Sep 75

Virus-specific RNA and DNA in nuclei of cells infected with fowlpox virus. Gafford LG, et al. **Virology** 69(1):1–14, Jan 76

Mechanism of influenza recombination. III. Biochemical studies of temperature-sensitive mutants belonging to different recombination groups. Gregoriades A, et al. **Virology** 69(1):81–92, Jan 76

Defective interfering particles of Sindbis virus. III. Intracellular viral RNA species in chick embryo cell cultures. Guild GM, et al. **Virology** 67(1):24–41, Sep 75

The synthesis of A-rich RNA by temperature-sensitive mutants of reovirus. Johnson RB Jr, et al. **Virology** 73(1):173–80, Aug 76

Processing of the major leftward mRNA of coliphage lambda. Lozeron HA, et al. **Virology** 71(1):262–77, May 76

RNA synthesis by ribonucleoprotein-polymerase complexes isolated from influenza virus. Rochovansky OM. **Virology** 73(2):327–38, Sep 76

Biochemical and physiological mechanisms in glucocorticoid hormone induction of mouse mammary tumor virus. Scolnick EM, et al. **Virology** 69(1):148–56, Jan 76

Macromolecular synthesis in cells infected by frog virus 3. IV. Regulation of virus-specific RNA synthesis. Willis DB, et al. **Virology** 70(2):399–410, Apr 76

Macromolecular synthesis in cells infected with frog virus 3. V. The absence of polyadenylic acid in the majority of frog virus 3-specific mRNA species. Willis DB, et al. **Virology** 73(2):543–7, Sep 76

Synthesis of complementary viral transcripts early in productive infection with adenovirus 2. Zimmer SG, et al. **Virology** 70(1):118–26, Mar 76

[Study of viral specific RNA synthesis in FHM and RTG-2 cells infected with infectious pancreatic necrosis (IPN) virus (author's transl)] Alayse AM, et al. **Ann Microbiol (Paris)** 126(4):471–83, Dec 75 (Eng. Abstr.) **(Fre)**

[Effect of actinomycin D on virus production in a cell line chronically infected by a murine oncornavirus] Peraudeau L, et al. **C R Acad Sci [D] (Paris)** 279(26):2161–4, 23 Dec 74 **(Fre)**

[The length of polyadenylic acid tracts of Sindbis virus RNA: the possible existence of two synthetic mechanisms] Pisano MR, et al. **C R Acad Sci [D] (Paris)** 280(8):1023–6, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Localization of genome RNA synthesis in Sendai virus] Bakunts KA, et al. **Vopr Virusol** (6):681–5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Synthesis of virus-specific macromolecules and virion maturation in chick embryo cells infected with Sendai virus] Selimova LM, et al. **Vopr Virusol** (1):36–44, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Method of parallel study of cell metabolism and extracellular structures using oncornavirus as a model] Zaĭtseva OV, et al. **Vopr Virusol** (2):169–73, Mar-Apr 76 **(Rus)**

[Sedimentation properties of virus-specific RNA in nuclear polyhedrosis of the bee moth] Solomko OP, et al. **Mikrobiol Zh** 37(3):351–6, May-Jun 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Reactions of immune sera against the nucleocapsid, envelope and whole herpes simplex virus type 1. Leššo J, et al. **Acta Virol (Praha)** 20(1):48–52, Feb 76

Efficacy and immune response to rubella subunits vaccines. Cappel R, et al. **Arch Virol** 50(3):207–13, 1976

A radioimmunoassay for the cytoplasmic polyhedrosis virus from Bombyx mori. Payne CC, et al. **Intervirology** 4(6):365–8, 1974

The maize rough dwarf virion. II. Serological analysis. Luisoni E, et al. **Virology** 68(1):86–96, Nov 75

ISOLATION & PURIFICATION

Electron microscopy of Rous sarcoma virus genome RNA and its heat-dissociated subunits. Kanzaki Y. **Acta Med Okayama** 29(5):377–89, Oct 75

Production of large quantities of 32P-labeled RNA tumor virus nucleic acid. Smith RE, et al. **Anal Biochem** 70(2):354–8, Feb 76

Purification of SV-40 messenger RNA by hybridization to SV-40 DNA covalently bound to Sepharose. Gilboa E, et al. **Biochemistry** 14(19):4215–20, 23 Sep 75

Isolation of viral specific RNA from SV40 infected cells by viral DNA chemically linked to a cellulose matrix. Shih TY, et al. **Biochemistry** 15(3):487–93, 10 Feb 76

Separation of potato spindle tuber viroid ribonucleic acid from Scopolia sinensis into three infectious forms and the purification and oligonucleotide pattern of fraction II RNA. Part IX. Singh RP, et al. **Can J Biochem** 54(7):600–8, Jul 76

Detection of virus-like particles in the coremia of Penicillium claviforme. Lai HC, et al. **Can J Genet Cytol** 17(4):525–33, Dec 75

Isolation and characterization of Sendai virus DI-RNAs. Kolakofsky D. **Cell** 8(4):547–55, Aug 76

R17 RNA replicase. VI. A large scale preparation of R17 template RNA. Igarashi S. **J Biochem (Tokyo)** 77(6):1271–5, Jun 75

Purification of tryptophan transfer RNA from chick cells and its identity with 'spot 1' RNA of Rous sarcoma virus. Waters LC, et al. **J Biol Chem** 250(16):6627–9, 25 Aug 75

Preparation and characterization of influenza virus cores. Reginster M, et al. **J Gen Virol** 31(2):211–20, May 76

Stepwise dissociation of high molecular weight avian myeloblastosis virus RNA: 30–40S RNA subunits—the best natural template-primer for viral reverse transcriptase. Trávníček M, et al. **J Gen Virol** 30(2):187–95, Feb 76

Identification of bacteriophage T4-specific precursor tRNA by using a host mutant defective in the methylation of tRNA. Björk GR. **J Virol** 16(3):741–4, Sep 75

Isolation of RNA transcripts from the entire Sendai viral genome. Roux L, et al. **J Virol** 16(6):1426–34, Dec 75

Rapid purification of 70S RNA from media of cells producing RNA tumor viruses. Smith RG, et al. **J Virol** 17(1):287–90, Jan 75

Stepwise transition of aggregate structure of high-molecular-weight avian myeloblastosis virus RNA. Mode of releasing of associated 4S RNA. Trávníček M, et al. **Neoplasma** 23(2):123–8, 1976

In situ localization of pea enation mosaic virus double-stranded ribonucleic acid. De Zoeten GA, et al. **Virology** 70(2):459–69, Apr 76

Exocortis disease: subcellular distribution of pathogenic (viroid) RNA. Semancik JS, et al. **Virology** 69(2):669–76, Feb 76

METABOLISM

Distribution of double-stranded f2 phage RNA in mouse tissues after intraperitoneal administration. Mayer V, et al. **Acta Virol (Praha)** 20(2):169, Apr 76

Interactions of plant viral RNAs and tRNA nucleotidyl transferase. Busto P, et al. **Ann Microbiol (Paris)** 127A(1):39–46, Jan 76

Proceedings: In vitro translation of tobacco rattle virus RNA. Fritsch C, et al. **Ann Microbiol (Paris)** 127A(1):93–5, Jan 76

Amino acid accepting structures in tymovirus RNAs. Génevaux M, et al. **Ann Microbiol (Paris)** 127A(1):47–53, Jan 76

Functional possibilities for aminoacylation of viral RNA in transcription and translation. Hall TC, et al. **Ann Microbiol (Paris)** 127A(1):143–52, Jan 76

Transitional control in Semliki forest virus infected cells. Käärläinen L, et al. **Ann Microbiol (Paris)** 127A(1):197–203, Jan 76

Proceedings: On the structure of replicating TMV RNA. Nilsson-Tillgren T, et al. **Ann Microbiol (Paris)** 127A(1):23, Jan 76

RNA-protein interactions in alfalfa mosaic virus. Verhagen W, et al. **Ann Microbiol (Paris)** 127A(1):165–72, Jan 76

Proceedings: The cowpea strain of TMV is a pseudo-multicomponent virus. Zaitlin M, et al. **Ann Microbiol (Paris)** 127A(1):37–8, Jan 76

The distribution of functional bacteriophage T4 mRNA on polysomes. Walsh ML, et al. **Arch Biochem Biophys** 173(2):732–8, Apr 76

Specific cleavage of Sendai virus nucleocapsid protein subunits during virus storage. Popa LM, et al. **Arch Virol** 48(4):289–95, 1975

Characterization of chicken leukosis-sarcoma virus proviral sequences detected in host cells by RNA-DNA hybridization. Neiman PE. **Bibl Haematol** (43):128–33, Oct 75

Nucleic acid and protein studies of the Mason-Pfizer virus. Schlom J, et al. **Bibl Haematol** (43):134–40, Oct 75

Increased endonuclease activity in an extract from mouse Ehrlich ascites tumor cells which had been treated with a partially purified interferon preparation: dependence of double-stranded RNA; Brown GE, et al. **Biochem Biophys Res Commun** 69(1):114–22, 8 Mar 76

The inhibition of translation of synthetic polyribonucleotides and mengo RNA in extracts from interferon-treated L cells and its reversion by yeast tRNAs. Falcoff R, et al. **Biochem Biophys Res Commun** 68(4):1323–31, 23 Feb 76

Heterogeneity of turnover rates of 4S RNAs in Friend virus-infected mouse leukemia cells. Litt M. **Biochem Biophys Res Commun** 66(2):658–64, 16 Sep 75

Endonucleolytic cleavage of murine leukemia virus 35S RNA by microsome-associated nuclease. Shanmugam G. **Biochem Biophys Res Commun** 70(3):818–23, 7 Jun 76

Initiation complex formation with double stranded RNA. Szekely M, et al. **Biochem Biophys Res Commun** 70(1):110–6, 3 May 76

S1 nuclease hydrolysis of single-stranded nucleic acids with partial double-stranded configuration. Rushizky GW, et al. **Biochemistry** 14(19):4221–6, 23 Sep 75

Evidence for the participation of a host enzyme in the activation of poly (A)-Qbeta RNA as an infectious agent. Gilvarg C, et al. **Biochim Biophys Acta** 414(3):341–8, 19 Dec 75

Translation of Rauscher leukemia virus RNA in heterologous cell-free systems. Salden MH, et al. **Biochim Biophys Acta** 425(2):208–19, 4 Mar 76

The binding site for coat protein on bacteriophage Qbeta RNA. Weber H. **Biochim Biophys Acta** 418(2):175–83, 19 Jan 76

Bacteriophage T4 tRNAs: structure, genetics, and biosynthesis. Abelson J, et al. **Brookhaven Symp Biol** (26):77–88, Jul 75

Processing transcription, and translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **Brookhaven Symp Biol** (26):267–76, Jul 75

The biology of bacteriophage T4 transfer RNAs. Guthrie C, et al. **Brookhaven Symp Biol** (26):106–23, Jul 75

The specificity of RNase III cleavage of bacteriophage T7 early messenger RNAs. Rosenberg M, et al. **Brookhaven Symp Biol** (26):277–85, Jul 75

A comparison of biochemical and biological properties of standard and defective lymphocytic choriomeningitis virus. Welsh RM, et al. **Bull WHO** 52(4–6):403–8, 1975 (37 ref.)

The effect of ribonuclease on the penetration of R17 phage A-protein and RNA. Wong K, et al. **Can J Microbiol** 22(6):826–31, Jun 76

Ribosome binding to reovirus mRNA in protein synthesis requires 5' terminal 7-methylguanosine. Both GW, et al. **Cell** 6(2):185–95, Oct 75

Initiation sites for translation of sindbis virus 42S and 26S messenger RNAs. Cancedda R, et al. **Cell** 6(2):215–22, Oct 75

Specific binding of the type C viral core protein p12 with purified viral RNA. Sen A, et al. **Cell** 7(1):21–32, Jan 76

Reovirus mRNA: transcription and translation. Shatkin AJ, et al. **Cell** 7(3):305–13, Mar 76

Human adenovirus infection in monkey cells: an example of host restriction at a step late in replication. Baum SG, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:567–73, 1975

Structure and properties of an RNA primer for initiation of Rous sarcoma virus DNA synthesis in vitro. Dahlberg JE, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:925–32, 1975

Avian RNA tumor viruses: mechanism of recombination and complexity of the genome. Duesberg P, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:847–57, 1975

Properties of oncornavirus RNA-directed DNA polymerase, the RNA template, and the intracellular products formed early during infection and cell transformation. Green M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:975–85, 1975

Studies of the interrelationship of chicken leukosis virus and host cell genomes by RNA–DNA hybridzation. Neiman PE, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:875–83, 1975

The cell-free translation of SV40 messenger RNA. Prives CL, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:309–16, 1975

35S a and b RNA subunits of avian RNA tumor virus strains cloned and passaged in chick and duck cells. Stone MP, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:859–68, 1975

DNA–RNA hybrid in cells infected by murine leukemia virus. Takano T, et al.
Cold Spring Harbor Symp Quant Biol 39 Pt. 2:1009–14, 1975

Analysis of adenovirus type 2 gene functions by cell-free translation of viral messenger RNA. Westphal H, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:575–9, 1975

Translation of viral RNA in cell-free systems from Eukaryotes. Horak I. **Curr Top Microbiol Immunol** 69:118–35, 1975 (116 ref.)

The enzymic addition of poly(A) to the 3'-end of RNA using bacteriophage MS 2 RNA as a model system. Devos R, et al. **Eur J Biochem** 62(2):401–10, 16 Feb 76

Simultaneous translation of structural and nonstructural proteins from Semliki-forest-virus RNA in two eukaryotic systems in vitro. Glanville N, et al. **Eur J Biochem** 64(1):167–75, 15 Apr 76

Recognition of initiation codons in modified f2 RNA by Escherichia coli ribosomes. Szkopińska A, et al.
Eur J Biochem 60(1):289–94, 1 Dec 75

The specific role of ribosomal protein S1 in the recognition of native phage RNA. van Dieijen G, et al.
Eur J Biochem 64(2):511–8, 1 May 76

Translation of alfalfa mosaic virus RNA. Effect of polyamines. Thang MN, et al. **FEBS Lett** 61(1):85–90, 01 Jan 76

Formation of a protein initiation complex on E. coli ribosomes directed by a eukaryotic virus RNA. Thibault J, et al. **FEBS Lett** 61(2):203–8, 15 Jan 76

The genetic control of DS-RNA virus-like particles associated with Saccharomyces cerevisiae killer yeast. Mitchell DJ, et al. **Heredity (Lond)** 37(1):129–34, Aug 76

Bacterial RNA methyltransferase mutants: tools in studying the biosynthesis of phage T4 tRNA. pp. 53–66. Björk GR.

In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Translation of TYMV RNA in a wheat germ cell-free system. pp. 189–95. Benicourt C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Detection of two initiation sites utilized during translation of poliovirus RNA in vitro. pp. 245–53. Celma ML, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Synthesis of the structural proteins of Semliki forest virus. pp. 255–8. Clegg C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Cell-free translation products of early RNA from adenovirus type 2-infected KB cells. pp. 299–304. Eron L, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Inhibition of host cell protein synthesis by encephalomyocarditis virus infection. pp. 369–71. Golini F, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of viral and cellular m-RNAs in extracts from interferon-treated cells. pp. 373–8. Gross HJ, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro association of TMV RNA fragments with TMV protein. pp. 197–203. Guilley H, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The RNAs of brome mosaic virus and their translation in cell-free extracts derived from wheat embryo. pp. 205–10. Kaesberg P.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of tobacco mosaic virus RNA and isolation of the messenger for TMV coat protein. pp. 211–6. Knowland J, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Antigenomes in sendai virions and sendai virus infected cells. pp. 149–52. Kolakofsky D, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Modification at the 5'-terminus of messenger RNA strand. pp. 153–9. Miura K, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Modification of the 5'-terminus of mRNA by guanylyl and methyl transferases from vaccinia virus. pp. 161–8. Moss B, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The cell-free translation of early and late classes of SV40 messenger RNA. pp. 305–12. Prives C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

5'-terminal 7-methylguanosine in eukaryotic mRNAs and its requirement. pp. 177–86. Shatkin AJ, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Structure and functional activity of the RNA polymerase of vesicular stomatitis virus. pp. 129–34. Szilágyi JF.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of alfalfa mosaic virus RNAs in plant cell and mammalian cell extracts. pp. 225–32. Thang MN, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro translation of the RNAs of alfalfa mosaic virus. pp. 233–41. van Vloten-Doting L, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The cell free translation of purified simian virus 40 messenger RNA. pp. 127–39. Prives C.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Degradation of myxovirus virion RNA by periodate. Tannock GA, et al. **Intervirology** 5(3–4):150–61, 1975

Proceedings: Cytoplasmic processing of SV40 RNA in productively infected cells. Aloni Y, et al.
Isr J Med Sci 11(11):1206, Nov 75

Proceedings: Enzymatic acylation of histidine to tobacco mosaic virus RNA. Salomon R, et al. **Isr J Med Sci** 11(11):1208–9, Nov 75

Site-specific interaction of Qbeta host factor and ribosomal protein S1 with Qbeta and R17 bacteriophage RNAs. Senear AW, et al. **J Biol Chem** 241(7):1902–12, 10 Apr 76

A mutation of the wobble nucleotide of a bacteriophage T4 transfer RNA. Comer MM, et al. **J Mol Biol** 99(2):283–93, 5 Dec 75

Nuclear and cytoplasmic adenovirus RNA. Differences between 5'-terminal of messenger and non-messenger transcripts. McGuire PM, et al. **J Mol Biol** 101(3):379–96, 5 Mar 76

Translational Mapping of Bacteriophage T7 RNAs synthesized in vitro by purified T7 RNA polymerase. Niles EG, et al. **J Mol Biol** 98(1):57–67, 15 Oct 75

The size and the cistronic origin of defective vesicular stomatitis virus particle RNAs in relation to homotypic and heterotypic interference. Schnitzlein WM, et al.
J Mol Biol 101(3):307–25, 5 Mar 76

The in vitro transcription units of bacteriophage phiX174. III. Initiation with specific 5' end oligonucleotides of in vitro phiX174 RNA. Smith LH, et al. **J Mol Biol** 103(4):711–35, 5 Jun 76

Analysis of the template activity of bacteriophage T7 messenger RNAs during infection of male and female strains of Escherichia coli. Young ET, et al.
J Mol Biol 99(1):167–84, 25 Nov 75

Particle-associated RNA dependent DNA polymerase and high-molecular-weight RNA in a human cell line derived from polycythemia vera bone marrow. Weimann BJ, et al. **J Natl Cancer Inst** 55(3):537–42, Sep 75

Transcription of 70S RNA by DNA polymerases from mammalian RNA viruses. Abrell JW, et al. **J Virol** 16(6):1566–74, Dec 75

Cellular protein synthesis shutoff by mengovirus: translation of nonviral and viral mRNA's in extracts from uninfected and infected Ehrlich ascites tumor cells. Abreu SL, et al.
J Virol 18(1):182–94, Apr 76

In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rouse sarcoma virus: lack of influence of RNase H. Collett MS, et al. **J Virol** 17(1):291–5, Jan 75

Cell-free translation of influenza virus mRNA. Content J. **J Virol** 18(2):604–18, May 76

Initiation of DNA synthesis by the avian oncornavirus RNA-directed DNA polymerase: tryptophan tRNA as the major species of primer RNA. Folk WR, et al. **J Virol** 17(3):1049–51, Mar 76

Early gene expression in bacteriophage T7. I. In vivo synthesis, inactivation, and translational utilization of early mRNA's. Hercules K, et al. **J Virol** 17(2):642–58, Feb 76

Mechanism of premature polypetide termination in a mouse ascites cell-free system programmed by encephalomyocarditis viral RNA. Hunt LA. **J Virol** 18(2):788–92, May 76

Translation of murine leukemia virus RNA in cell-free systems from animal cells. Kerr IM, et al. **J Virol** 18(2):627–35, May 76

Interferon treatment of Ehrlich ascites tumor cells: effects on exogenous mRNA translation and tRNA inactivation in the cell extract. Sen GC, et al. **J Virol** 17(1):191–203, Jan 75

7-Methyl-guanosine and efficiency of RNA translation. Shih DS, et al. **J Virol** 19(2):637–42, Aug 76

Fate of input oncornavirion RNA—biological studies. Sveda MM, et al. **J Virol** 18(1):85–91, Apr 76

Site on the RNA of an avian sarcoma virus at which primer is bound. Taylor JM, et al. **J Virol** 16(3):553–8, Sep 75

Message activity of influenza viral RNA. Tekamp P, et al. **J Virol** 18(2):812–6, May 76

Level of specific prereplicative mRNA's during bacteriophage T4 regA–, 43- and T4 43- infection of Escherichia coli B. Trimble RB, et al. **J Virol** 17(2):538–49, Feb 76

Method of examining viral RNA metabolism in cells in culture: metabolism of vesicular stomatitis virus RNA. Wertz GW. **J Virol** 16(5):1340–4, Nov 75

Translation of T7 RNA in vitro without cleavage by RNase III. Yamada Y, et al. **J Virol** 18(3):1155–9, Jun 76

Mechanism of interaction of avian myeloblastosis virus reverse transcriptase with avian myeloblastosis virus RNA. Yamaura I, et al. **J Virol** 18(1):26–33, Apr 76

Translation of Semliki forest virus 42S and 26S RNAs in two eukaryotic cell-free protein synthesising systems. Glanville N, et al. **Med Biol** 53(5):387–9, Oct 75

Polysomes and initiation complexes in vitro induced by Semliki Forest virus 42S and 26S RNA. Ranki M, et al. **Med Biol** 53(5):395–9, Oct 75

Translation of Semliki forest virus 42S and 26S RNAs in a cell-free system derived from Escherichia coli. Uomala P, et al. **Med Biol** 53(5):390–4, Oct 75

The role of IF-3 in the translation of T7- and phi80trp messenger RNA. Benne R, et al. **Mol Gen Genet** 139(4):311–9, 8 Sep 75

Host factor for coliphage Qbeta RNA replication is present in Pseudomonas putida. DuBow MS, et al.
Mol Gen Genet 141(2):113–9, 24 Nov 75

Initiation sites of Rous sarcoma virus RNA-directed DNA synthesis in vitro. Cashion LM, et al. **Nature** 262(5565):186–90, 15 JUL 76

Interaction of tryptophan transfer RNA with Rous sarcoma virus 35S RNA. Eiden JJ, et al. **Nature** 259(5540):245–7, 22 Jan 76

Evidence for post-transcriptional selection of viral mRNA in cells transformed by human adenovirus 12. Green MR, et al. **Nature** 261(5558):340–2, 27 May 76

Messenger RNA for the coat protein of tobacco mosaic virus. Hunter TR, et al. **Nature** 260(5554):759–64, 29 Apr 76

Translation in vitro of vesicular stomatitis virus mRNA lacking 5'-terminal 7-methylguanosine. Rose JK, et al.
Nature 262(5563):32–7, 1 Jul 76

Translation of oncogenic virus RNA in Xenopus laevis oocytes. Salden M, et al. **Nature** 259(5545):696–99, 26 Feb 76

Synthesis of tobacco mosaic virus coat protein following migration of viral RNA into isolated mouse liver mitochondria. Dimitriadis GJ, et al. **Nucleic Acids Res** 2(10):1719–26, Oct 75

The methylation of adenovirus-specific nuclear and cytoplasmic RNA. Sommer S, et al. **Nucleic Acids Res** 3(3):749–65, Mar 76

RNAs of simian virus 40 in productively infected monkey cells: kinetics of formation and decay in enucleate cells. Aloni Y, et al. **Proc Natl Acad Sci USA** 72(7):2587–91, Jul 75

Bacteriophage T3 and T7 early RNAs are translated by eukaryotic 80S ribosomes: active phage T3 coded S-adenosylmethionine cleaving enzyme is synthesized. Anderson CW, et al. **Proc Natl Acad Sci USA** 73(8):2752–6, Aug 76

Ribonuclease P substrate specificity: cleavage of a bacteriophage phi80-induced RNA. Bothwell AL, et al.
Proc Natl Acad Sci USA 73(6):1912–6, Jun 76

Coupled in vitro transcription and translation of vesicular stomatitis virus messenger RNA. Breindl M, et al.
Proc Natl Acad Sci USA 72(7):2545–9, Jul 75

Methylation of messenger RNA of Newcastle disease virus in vitro by a virion-associated enzyme. Colonno RJ, et al. **Proc Natl Acad Sci USA** 72(7):2611–5, Jul 75

Modification of the 5'-terminus of mRNA by soluble guanylyl and methyl transferases from vaccinia virus. Ensinger MJ, et al. **Proc Natl Acad Sci USA** 72(7):2525–9, Jul 75

'Early' simian-virus-40-specific RNA contains information for tumor antigen formation and chromatin replication. Graessmann M, et al. **Proc Natl Acad Sci USA** 73(2):366–70, Feb 76

Independent regulation of endogenous and exogenous avian RNA tumor virus genes. Hayward WS, et al.
Proc Natl Acad Sci USA 73(7):2259–63, Jul 76

Synthesis of murine leukemia virus proteins associated with virions assembled in actinomycin D-treated cells: evidence for persistence of viral messenger RNA. Levin JG, et al.
Proc Natl Acad Sci USA 73(4):1154–8, Apr 76

Complete translation of poliovirus RNA in a eukaryotic cell-free system. Villa-Komaroff L, et al.
Proc Natl Acad Sci USA 72(10):4157–61, Oct 75

Transcription–translation and translation–messenger RNA decay coupling: separate mechanisms for different messengers. Walker AC, et al. **Proc Natl Acad Sci USA** 73(4):1126–30, Apr 76

Elimination of the sarcoma genome from murine sarcoma virus transformed cat cells. Frankel AS, et al. **Science** 191(4233):1264–6, 26 Mar 76

Specificity of in vitro binding of primate Type C viral RNA and the homologous viral p12 core protein. Sen A, et al. **Science** 193(4250):326–8, 23 Jul 76

Specificity of protein–RNA and protein–protein interaction upon assembly of TMV in vivo and vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75

Molecular organization and stabilizing forces of simple RNA viruses. IV. Selective interference with protein–RNA interactions by use of sodium dodecyl sulfate. Boatman S, et al. **Virology** 70(1):1–16, Mar 76

In vitro and in vivo translation of the ribonucleic acids of a cowpea strain of tobacco mosaic virus. Bruening G, et al. **Virology** 71(2):498–517, Jun 76

Partially stripped tobacco mosaic virus–stimulated methionyl–tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Partially stripped tobacco mosaic virus–stimulated methionyl–tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Pathways of degradation of brome mosaic virus particles as influenced by their RNA content. Herzog M, et al. **Virology** 69(2):394–407, Feb 76

Failure of globin mRNA to stimulate globin synthesis in cell–free extracts of interferon–treated globin–synthesizing mouse erythroleukemic cells. Hiller G, et al. **Virology** 69(1):360–3, Jan 76

In vitro translation of encephalomyocarditis viral RNA: synthesis of capsid precursor–like polypeptides. Hunt LA. **Virology** 70(2):484–92, Apr 76

Molecular organization and stabilizing forces of simple RNA viruses. V. The role of lysyl residues in the stabilization of cucumber mosaic virus strain S. Kaper JM. **Virology** 71(1):185–98, May 76

A comparison of the extents of methylation of vesicular stomatitis virus messenger RNA. Keene JD, et al. **Virology** 69(1):364–7, Jan 76

Translation of tobacco rattle virus RNA in vitro using wheat germ extracts. Mayo MA, et al. **Virology** 69(2):408–15, Feb 76

Translation of alfalfa mosaic virus RNA's in mammalian cell–free systems. Mohier E, et al. **Virology** 68(2):349–59, Dec 75

Analysis of alfalfa mosaic virus 17 S RNA translational products. Mohier E, et al. **Virology** 71(2):615–8, Jun 76

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40–infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

In vitro translation of influenza virus messenger RNAs. Richey MB, et al. **Virology** 72(2):410–20, 15 Jul 76

Enzymatic acylation of histidine to tobacco mosaic virus RNA. Salomon R, et al. **Virology** 71(1):74–84, May 76

A messenger RNA for capsid protein isolated from tobacco mosaic virus–infected tissue. Siegel A, et al. **Virology** 73(2):363–71, Sep 76

Initiation of DNA synthesis by the avian oncornavirus RNA–directed DNA polymerase: structural and functional localization of the major species of primer RNA on the oncornavirus genome. Staskus KA, et al. **Virology** 71(1):162–8, May 76

The preservation of the secondary structure of R17 RNA during penetration into host bacteria. Wong K, et al. **Virology** 73(2):476–88, Sep 76

The polarity of penetration of phage R17 RNA. Wong K, et al. **Virology** 73(2):489–97, Sep 76

[Transcription of adenovirus 2 DNA by the C class of RNA polymerases of HeLa cells] pp. 43–50. Hossenlopp P, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975. (Eng. Abstr.) **(Fre)**

[Electron microscopy studies on the proliferation of foot–and–mouth disease virus in cell cultures. II. Changes in nucleic acid metabolism of the cell nucleus] Schulze P, et al. **Arch Exp Veterinaermed** 29(3):427–39, Jun 75 (Eng. Abstr.) **(Ger)**

[Formation of polysomes in virus–specific RNA in the transcriptive complex of Sendai virus infected cells] Bukrinskaia AG, et al. **Biokhimiia** 40(4):675–82, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Defective bacteriophage MS2 particles containing specific RNA FRAGMENTS] Renkhof RF, et al. **Mol Biol (Mosk)** 9(3):361–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Defective bacteriophage MS2 particles containing specific RNA FRAGMENTS] Renkhof RF, et al. **Mol Biol (Mosk)** 9(3):361–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Variable response of normal and transformed mouse cells to interferon inducers. Treagan L, et al. **Acta Virol (Praha)** 20(1):83–5, Feb 76

Interferon inducing capacity and antiviral action of double–stranded RNA from rice dwarf virus in vitro. Takehara M. **Kobe J Med Sci** 21(1):33–41, Mar 75

Further studies on the adjuvant effect of an interferon inducer (BRL 5907) on Newcastle disease and avian influenza inactivated vaccines. Gough RE, et al. **Res Vet Sci** 19(2):185–8, Sep 75

Effects of viral protein, viral RNA, and some other polyelectrolytes on infection of tobacco protoplasts by TMV. Zhuravlev YN, et al. **Virology** 73(2):454–60, Sep 76

[Comparative antiviral activity of the Penicillium funiculosum virus and its RNA] Sadovskiĭ IuP, et al. **Mikrobiol Zh** 36(3):341–6, May–Jun 74 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Function of Sindbis virus 49S and 26S RNAs in in vitro protein synthesizing systems. A summary. Schlesinger MJ. **Med Biol** 53(5):380–2, Oct 75

A genetic map for the cowpea strain on TMV. Beachy RN, et al. **Virology** 73(2):498–507, Sep 76

Infectivity and marker rescue activity of influenza virus ribonucleoprotein–polymerase complexes. Rochovansky OM, et al. **Virology** 73(2):339–49, Sep 76

THERAPEUTIC USE

Treatment of transplanted rat tumours with double–stranded RNA(BRL 5907). II. Treatment of pleural and peritoneal growths. Pimm MV, et al. **Br J Cancer** 33(2):166–71, Feb 76

RNA VIRUSES

Interrelationships among RNA tumor viruses and host cells. Gilden RV. **Adv Cancer Res** 22:157–202, 1975

Genetic transformation of animal cells with viral DNA of RNA tumor viruses. Hill M, et al. **Adv Cancer Res** 23:237–97, 1976 (304 ref.)

Experimental Lassa virus infection in the squirrel monkey. Walker DH, et al. **Am J Pathol** 80(2):261–78, Aug 75

Infectivity of fish rhabdoviruses for Drosophila melanogaster. Bussereau F, et al. **Ann Microbiol (Paris)** 126(3):389–95, Apr 75

Effect of diethylpyrocarbonate on the antiviral and interferon–inducing activities of viral and nonviral agents. Yamamura Y, et al. **Antimicrob Agents Chemother** 9(4):675–81, Apr 76

Lassa virus hepatitis. Observations on a fatal case from the 1972 Sierra Leone epidemic. Winn WC Jr, et al. **Arch Pathol** 99(11):599–604, Nov 75

The foamy viruses. Hooks JJ, et al. **Bacteriol Rev** 39(3):169–85, Sep 75 (78 ref.)

In vitro transformation of cells from human neoplasms. Maruyama K, et al. **Bibl Haematol** (40):85–92, 1975

Lack of expressions of endogenous (gs, chick helper factor) and exogenous avian RNA tumor viruses in the MOB–1 and MSB–1 lines derived from Marek's disease lymphomas. Ikuta K, et al. **Biken J** 19(1):39–42, Mar 76

Lassa fever in Onitsha, East Central State, Nigeria in 1974. Bowen GS, et al. **Bull WHO** 52(4–6):599–604, 1975

Lassa virus infection in Mastomys natalensis in Sierra Leone. Gross and microscopic findings in infected and uninfected animals. Demartini JC, et al. **Bull WHO** 52(4–6):651–63, 1975

Surveillance of Lassa fever in missionaries stationed in West Africa. Frame JD. **Bull WHO** 52(4–6):593–8, 1975

The arenaviruses: some priorities for future research. Johnson KM. **Bull WHO** 52(4–6):761–3, 1975

Lassa fever: review of epidemiology and epizootiology. Monath TP. **Bull WHO** 52(4–6):577–92, 1975 (25 ref.)

Diagnosis of Lassa fever and the isolation and management of patients. Monath TP, et al. **Bull WHO** 52(4–6):707–15, 1975

Priorities and guidelines for taxonomic and ecological studies of vertebrate hosts of the arenaviruses. Setzer HW. **Bull WHO** 52(4–6):765, 1975

Comparative pathology of Lassa virus infection in monkeys, guinea–pigs, and Mastomys natalensis. Walker DH, et al. **Bull WHO** 52(4–6):523–34, 1975

The pathology of human Lassa fever. Winn WC Jr, et al. **Bull WHO** 52(4–6):535–45, 1975

Handling patients with suspected Lassa fever entering Great Britain. Woodruff AW. **Bull WHO** 52(4–6):717–21, 1975

Indirect immunofluorescence for the diagnosis of Lassa fever infection. Wulff H, et al. **Bull WHO** 52(4–6):429–36, 1975

Experimental models for DNA–RNA viral interactions: a brief review. Frankel JW. **Cancer Res** 36(2 pt 2):670–3, Feb 76 (44 ref.)

An animal model for DNA–RNA virus interaction based upon virological and histological findings. Hsiung GD, et al. **Cancer Res** 36(2 pt 2):674–7, Feb 76

Tumor viruses: 1974. Baltimore D. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1187–200, 1975

The slow infection caused by visna virus. Haase AT. **Curr Top Microbiol Immunol** 72:101–56, 1975 (235 ref.)

RNA tumor viruses and human cancer. Hehlmann R. **Curr Top Microbiol Immunol** 73:141–215, 1976 (583 ref.)

Tumor incidence in Visna virus inoculated mice. Lycke E, et al. **Experientia** 32(4):514–5, 15 Apr 76

Pathogenesis of visna: review and speculation. Nathanson N, et al. **Front Biol** 44:115–31, 1976

Current problems on murine RNA type C viruses and their implications for studies on putative human leukemia viruses. Chieco–Bianchi L, et al. **Haematologica (Pavia)** 61(2):237–47, Jun 76

[Morphological and biochemical analogies of Visna virus with oncogenic RNA viruses] pp. 19–26. Tamalet J, et al.
In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974. **(Eng, Fre)**

Unrecognized diseases in Africa. II. Lassa fever. **Int J Epidemiol** 4(2):76–7, Jun 75

Characterization of two particle types of calf rotavirus. Bridger JC, et al. **J Gen Virol** 31(2):245–50, May 76

Muscidae (Diptera): experimental vectors of hog cholera virus. Morgan NO, et al. **J Med Entomol** 12(6):657–60, 20 Feb 76

Differential response to cytochalasin B among cells transformed by DNA and RNA tumor viruses. O'Neill FJ, et al. **J Natl Cancer Inst** 55(4):951–5, Oct 75

Autoradiographic evidence for the association of DNA with intracytoplasmic A–particle inclusions in situ. Smith GH, et al. **J Natl Cancer Inst** 55(6):1413–7, Dec 75

Sexual reproduction and parent–offspring conflict in the RNA 'Tumour' virus/host relationship: implications for vertebrate oncogene evolution. Manning JT. **J Theor Biol** 55(2):397–413, Dec 75

Virus–like particles from killer, neutral, and sensitive strains of Saccharomyces cerevisiae. Adler J, et al. **J Virol** 17(2):472–6, Feb 76

Biochemical and biophysical characteristics of diarrhea viruses of human and calf origin. Rodger SM, et al. **J Virol** 16(5):1229–35, Nov 75

Detection and transmission of infectious hematopoietic necrosis virus in rainbow trout. Amend DF. **J Wildl Dis** 11(4):471–8, Oct 75

Studies on a test vaccine for equine influenza virus. II. Field trials. Nagamine T, et al. **Kitasato Arch Exp Med** 48(2–3):69–82, Sep 75

Letter: Lassa by letter. Simpson DI, et al. **Lancet** 2(7937):701–2, 11 Oct 75

Editorial: Lassa and marburg viruses. **Med J Aust** 2(9):333–4, 30 Aug 75

Persistent infection of tissue culture cells by RNA viruses. Rima RK, et al. **Med Microbiol Immunol (Berl)** 162(2):89–119, 1 Jun 76

Lassa fever. Wright WJ. **Nurs Times** 72(15):578–9, 15 Apr 76

Antibody–producing cells: virus–induced alteration of response to antigen. Riley V, et al. **Proc Natl Acad Sci USA** 73(5):1707–11, May 76

Viruses, polymerases, and cancer. Baltimore D. **Science** 192(4240):632–6, 14 May 76

[Ultrastructure, development and nucleic acid of the S virus from the decapod crustacea Macropipus depurator L.] Bonami JR, et al. **C R Acad Sci [D] (Paris)** 280(3):359–61, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Comparative infection studies with Egtved viruses (strain F1) in rainbow trout (Salmo gairdneri) and gold trout (Salmo aguabonita)] Ahne W, et al. **Berl Munch Tieraerztl Wochenschr** 89(8):161–4, 15 Apr 76 (Eng. Abstr.) **(Ger)**

[Lassa fever] Mohr W, et al. **Internist (Berlin)** 16(9):401–6, Sep 75 **(Ger)**

[Problems of clinical diagnosis and therapy of a new arena virus infection (Lassa fever)] Mohr W, et al. **Verh Dtsch Ges Inn Med** 81:677–9, 1975 **(Ger)**

[Origin of oncogenic viruses] Sforza M, et al. **Minerva Med** 66(84):4551–3, 8 Dec 75 (Eng. Abstr.) **(Ita)**

[Route of inoculation and aluminium hydroxide influences in the immunological response of horses vaccinated against equine influenza (author's transl)] Cunha RG, et al. **Arq Inst Biol (Sao Paulo)** 40(4):357–68, Oct–Dec 73 (Eng. Abstr.) **(Por)**

[Study of arenaviruses in the indirect hemagglutination reaction] Gaĭdamovich SIa, et al. **Vopr Virusol** (6):719–22, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Structural proteins of bovine viral diarrhea virus. Pritchett RF, et al. **Am J Vet Res** 36(12):1731–4, Dec 75

Detection and characterization of RNA tumor virus–specific DNA in cells. Varmus HE, et al. **Bibl Haematol** (40):451–61, 1975

Electron microscope studies of tumor virus RNA. Kung HJ, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:827–34, 1975

Molecular probes for tumor viruses in human cancer. Gallo RC, et al. **Int Rev Exp Pathol** 16:1–58, 1976 (391 ref.)

Polyacrylamide gel electrophoresis of the genomes of two orbiviruses: D'Aguilar and Eubenangee. Schnagl RD, et al. **Intervirology** 5(5):300–4, 1975

Some physicochemical properties of pike fry rhabdovirus RNA. Clerx JP, et al. **J Gen Virol** 29(1):133–6, Oct 75

Unique virus–related DNA sequences in sheep progressive pneumonia lung. Weiss MJ, et al. **J Gen Virol** 29(3):267–80, Dec 75

Sulfated components of enveloped viruses. Pinter A, et al. **J Urol** 16(4):859–66, Oct 75

Genomic complexities of murine leukemia and sarcoma, reticuloendotheliosis, and visna viruses. Beemon KL, et al. **J Virol** 17(2):525–37, Feb 76

Comparative membrane microviscosity of fish and mammalian rhabdoviruses studied by fluorescence

depolarization. Moore NF, et al. **J Virol** 19(1):275–8, Jul 76

Low frequency of (5'–3') –C–G– connection in 70S RNA from simian sarcoma virus. Ohe K, et al. **J Virol** 16(3):729–35, Sep 75

Rapid purification of 70S RNA from media of cells producing RNA tumor viruses. Smith RG, et al. **J Virol** 17(1):287–90, Jan 75

The genome of equine arteritis virus. van der Zeijst BA, et al. **Virology** 68(2):418–25, Dec 75

Nucleic acid sequence relationships among 'slow' viruses of sheep. Weiss MJ, et al. **Virology** 71(2):395–401, Jun 76

The structural proteins of equine arteritis virus. Zeegers JJ, et al. **Virology** 73(1):200–5, Aug 76

CLASSIFICATION

Arenavirus taxonomy: a review. Murphy FA. **Bull WHO** 52(4–6):389–91, 1975 (20 ref.)

Characterisation of a rotavirus.20b Newman JF, et al. **Nature** 258(5536):631–3, 18 Dec 75

Pheasant virus: new class of ribodeoxyvirus. Hanafusa T, et al. **Proc Natl Acad Sci USA** 73(4):1333–7, Apr 76

Simian hemorrhagic fever virus: a new togavirus. Trousdale MD, et al. **Proc Soc Exp Biol Med** 150(3):707–11, Dec 75

DRUG EFFECTS

The dynamics of development of cell resistance to viruses induced by synthetic polynucleotides. Novokhatsky AS, et al. **Acta Virol (Praha)** 20(1):23–30, Feb 76

Streptovirudins — new antibiotics with antiviral activity. The antiviral spectrum and inhibition of Newcastle disease virus in cell cultures. Tonew E, et al. **Acta Virol (Praha)** 19(4):311–7, Jul 75

Comparison of drug effects on RNA tumor viruses and on transformed cells. Ting RC, et al. **Bibl Haematol** (40):693–701, 1975

Stabilization of hog cholera virus by dimethyl sulfoxide. Tessler J, et al. **Can J Comp Med** 39(4):472–3, Oct 75

Patulin inhibition of mycovirus replication in Penicillium stoloniferum. Detroy RW, et al. **J Gen Microbiol** 92(1):167–74, Jan 76

Arenavirus inactivation on contact with N-substituted isatin beta-thiosemicarbazones and certain cations. Logan JC, et al. **J Gen Virol** 28(3):271–83, Sep 75

[Virucidal activity of the disinfectant 'gigasept' against different enveloped and non-enveloped RNA-and DNA-viruses, pathogenic for men. I. Investigation in the suspension test (author's transl)] Thraenhart O, et al. **Zentralbl Bakteriol [Orig B]** 161(3):209–32, Dec 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Reverse transcriptase is coded for by the viral RNA. Verma IM, et al. **Bibl Haematol** (43):457–9, Oct 75

Essential arginyl residues in reverse transcriptase. Borders CL Jr, et al. **Biochem Biophys Res Commun** 66(2):490–5, 16 Sep 75

RNA polymerase activity in double-stranded ribonucleic acid virus particles from Aspergillus foetidus. Ratti G, et al. **Biochem Biophys Res Commun** 66(2):706–11, 16 Sep 75

Incorporation of noncomplementary nucleotides at high frequencies by ribodeoxyvirus DNA polymerases and Escherichia coli DNA polymerase I. Mizutani S, et al. **Biochemistry** 15(7):1510–6, 6 Apr 76

Reverse transciptase activity associated with R-type virus-like particles of SV40-transformed hamster cells (TSV5 clone 2). Rossignol JM, et al. **Intervirology** 5(5):273–92, 1975

RNA tumor virus-like activities in human solid tissues: endogenous RNA:DNA polymerase activities in the prostate. Arya SK, et al. **J Surg Oncol** 8(4):321–32, 1976

GROWTH & DEVELOPMENT

Evolution and modes of transmission of RNA tumor viruses. Parke-Davis Award lecture. Todaro GJ. **Am J Pathol** 81(3):590–606, Dec 75 (61 ref.)

Development of a cell culture line of bovine fetal endometrial cells. Soto-Belloso ER, et al. **Am J Vet Res** 37(9):1103–5, Sep 76

Egtved virus induced rainbow trout serum interferon: some physicochemical properties. Dorson M, et al. **Ann Microbiol (Paris)** 126(4):485–9, Dec 75

Replication of bovine coronavirus in cell line BEK-1 culture. Inaba Y, et al. **Arch Virol** 50(4):339–42, 1976

Plaque assay and characteristics of strains of bovine ephemeral fever virus in Vero cells. Tzipori S. **Br Vet J** 131(6):720–6, Nov-Dec 75

Viral susceptibility of a cell line derived from the pig oviduct. Bouillant AM, et al. **Can J Comp Med** 39(4):450–6, Oct 75

Visna-maedi virus infection in cell cultures and in laboratory animals. Thormar H. **Front Biol** 44:97–114, 1976 (58 ref.)

Thermal inactivation of rabies and other rhabdoviruses: stabilization by the chelating agent ethylenediaminetetraacetic acid at physiological temperatures. Michalski F, et al. **Infect Immun** 14(1):135–43, Jul 76

The effect of tilorone hydrochloride on the growth of several animal viruses in tissue cultures. Katz E, et al. **J Gen Virol** 31(1):125–9, Apr 76

Infantile enteritis viruses: morphogenesis and morphology. **J Urol** 16(4):937–43, Oct 75

Biochemical properties of the bromodeoxyuridine-induced guinea pig virus. Michalides R, et al. **J Urol** 16(4):1039–50, Oct 75

Differential expression of helper viral structural polypeptides in cells transformed by clonal isolates of woolly monkey sarcoma virus. Aaronson SA, et al. **J Virol** 16(5):1117–23, Nov 75

Studies on the multiplication of the equine arteritis virus using the fluorescent antibody technique. Inoue T. **Jpn J Vet Res** 23(3):108, Jul 75

Immunofluorescent studies on the multiplication of equine arteritis virus in Vero and E. Derm (NBL-6) cells. Inoue T, et al. **Jpn J Vet Sci** 37(6):569–75, Dec 75

Studies on equine viral arteritis. I. Characterization of the virus and trial survey on antibody with vero cell cultures. Konishi S, et al. **Jpn J Vet Sci** 37(5):259–67, Oct 75

Growth of equine arteritis virus in cells derived from infectious canine hepatitis virus-induced hamster tumor and transformed cells. Shinagawa M, et al. **Jpn J Vet Sci** 38(1):25–32, Feb 76

Rolling round bottle culture of HmLu-1 cells and the production of bovine ephemeral fever virus. Sato K, et al. **Natl Inst Anim Health Q (Tokyo)** 15(3):109–15, Fall 75

Effects of plant lectins on virus growth in nonlymphoid cells. Finkelstein MS, et al. **Virology** 69(2):570–86, Feb 76

The spectrum of virus resistance of a KB cell strain resistant to diphtheria toxin. Moehring JM, et al. **Virology** 69(2):786–8, Feb 76

[Effect of sodium salicylate on the 'in vitro' development of RNA viruses (author's transl)] Daniel P, et al. **Ann Microbiol (Paris)** 126(3):381–7, Apr 75 (Eng. Abstr.) **(Fre)**

[Induction, by 5-bromo-2'-deoxyuridine, of a 'foamy' virus previously undetected in hamster cells transformed by SV40] Rossignol JM, et al. **C R Acad Sci [D] (Paris)** 281(15):1145–8, 13 Oct 75 (Eng. Abstr.) **(Fre)**

[Analysis of factors conditioning plaque formation in Vero cells infected with Tacaribe and Junin virus (FHA)] Damonte EB, et al. **Rev Asoc Argent Microbiol** 6(1):15–22, Jan-Apr 74 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Investigation on the immunogenity of concentrated ethanol saponin vaccine against mucosal disease-bovine viral diarrhea. Zwetkow P, et al. **Arch Exp Veterinaermed** 29(5):759–61, 1975

Antigenic relationships between murine, feline and primate RNA tumor viruses and membrane antigens of human leukemic cells. Metzgar RS, et al. **Bibl Haematol** (43):549–54, Oct 75

Antigenic properties of the arenaviruses. Casals J, et al. **Bull WHO** 52(4–6):421–7, 1975

Use of the complement fixation (CF) test in Lassa fever surveillance. Evidence for persistent CF antibodies. Fabiyi A, et al. **Bull WHO** 52(4–6):605–8, 1975

Status of arenavirus vaccines and their application. Johnson KM. **Bull WHO** 52(4–6):729–35, 1975

Relationship between major histocompatibility antigens and disease. Possible associations with human arenavirus diseases. Oldstone MB. **Bull WHO** 52(4–6):479–86, 1975

Immunofluorescent cell assay of neonatal calf diarrhea virus. Barnett BB, et al. **Can J Comp Med** 39(4):462–5, Oct 75

Autogenous immunity to endogenous RNA tumor virus: humoral immune response to virus envelope antigens. Hanna MG Jr, et al. **Cancer Res** 36(2 pt 2):608–14, Feb 76

Pathogenesis of simian foamy virus infection in natural and experimental hosts. Swack NS, et al. **Infect Immun** 12(3):470–4, Sep 75

Inhibition of lymphocyte trapping by a passenger virus in murine ascitic tumors: characterization of lactic dehydrogenase virus (LDV) as the inhibitory component and analysis of the mechanism of inhibition. Mongini PK, et al. **J Exp Med** 143(1):100–13, 1 Jan 76

Antigenic determinants of the 70,000 molecular weight glycoprotein of woolly monkey type C RNA virus. Hino S, et al. **J Immunol** 115(4):922–7, Oct 75

Antigenic analysis of the major structural protein of the Mason-Pfizer monkey virus. Schochetman G, et al. **J Immunol** 117(1):168–73, Jul 76

Studies on equine viral arteritis. II. A serological survey of equine viral arteritis in horses imported in 1973/74. Akashi H, et al. **Jpn J Vet Sci** 38(1):71–3, Feb 76

Studies on a test vaccine for equine influenza virus. I. Production of a test vaccine. Nagamine T, et al. **Kitasato Arch Exp Med** 48(2–3):53–67, Sep 75

Letter: Calf diarrhoea coronavirus. Kaye HS, et al. **Lancet** 2(7933):509, 13 Sep 75

Antigenic relationship between the surface antigens of avian and equine influenze viruses. Rott R, et al. **Med Microbiol Immunol (Berl)** 161(4):253–61, 19 Sep 75

Presence of antibody to a primate RNA virus in human plasma. Kim BS. **Nature** 257(5527):614–6, 16 Oct 75

Immunological cross reactivity of Mason-Pfizer monkey virus with type C RNA viruses endogenous to primates. Stephenson JR, et al. **Nature** 261(5561):609–11, 17 Jun 76

Human serum lyses RNA tumour viruses. Welsh RM Jr, et al. **Nature** 257(5527):612–4, 16 Oct 75

The prevalence of antibodies to bovine virus diarrhoea and infectious bovine rhinotracheitis viruses in diagnostic sera from New Zealand cattle. Durham PJ, et al. **NZ Vet J** 23(10):226–9, Oct 75

Detection of an antigen related to Mason-Pfizer virus in malignant human breast tumors. Yeh J, et al. **Science** 190(4214):583–4, 7 Nov 75

[Comparative study 'in vitro' between rabies and rabies related viruses by the sensitized lymphocytes technique] Nozaki J, et al. **Ann Microbiol (Paris)** 127(3):429–38, Apr 76 (Eng. Abstr.) **(Fre)**

[Epidemiological study of mucosal disease: absence of the disease in Madagascar] Blancou J, et al. **Rev Elev Med Vet Pays Trop** 28(3):297–300, 1975 (Eng. Abstr.) **(Fre)**

[Immunological correlations between 2 strains of mucosal disease virus diarrhea (short report] Haralambiev H. **Arch Exp Veterinaermed** 29(5):777–80, 1975 (Eng. Abstr.) **(Ger)**

[Virological studies on insemination bulls in Hessia. 2; studies on antibodies against BVD and PI-3 virus] Gössler R, et al. **Berl Munch Tieraerztl Wochenschr** 88(13):241–2, 1 Jul 75 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Molecular evidence for a viral etiology of human CNS tumors. Cuatico W, et al. **Acta Neurochir (Wien)** 35(1–3):149–60, 1976

Synovial membrane and fluid morphologic alterations in early rheumatoid arthritis: microvascular injury and virus-like particles. Schumacher HR Jr. **Ann NY Acad Sci** 256:39–64, 13 Jun 75

The isolation of bovine ephemeral fever virus in cell cultures and evidence for autointerference. Tzipori S. **Aust J Exp Biol Med Sci** 53(4):273–9, Aug 75

Letter: The isolation of ephemeral fever virus from mosquitoes in Australia. St George TD, et al. **Aust Vet J** 52(5):242, May 76

Virus retrieval studies in human neoplasia. Dmochowski L, et al. **Bibl Haematol** (40):431–49, 1975

Human amnion and lung tissue culture systems for possible detection and study of human RNA tumor viruses. Peebles PT, et al. **Bibl Haematol** (40):409–17, 1975

Evidence for an RNA tumor viruses in human milk. Schlom J, et al. **Bibl Haematol** (40):471–82, 1975

The structure of rodent faunas associated with arenaviral infections. Arata AA, et al. **Bull WHO** 52(4–6):621–7, 1975

Arenaviruses: purification and physicochemical nature. Rawls WE, et al. **Bull WHO** 52(4–6):393–401, 1975

Recent isolations of Lassa virus from Nigerian rodents. Wulff H, et al. **Bull WHO** 52(4–6):609–13, 1975

734B: a candidate human breast cancer virus. pp. 63–87. McGrath CM, et al. **In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.**

Biological properties of a virus isolated from grass carp (Ctenopharyngodon idella Val.). pp. 135–40. Ahne W. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

Properties of a virus isolated from the bi-value mollusc Tellina tenuis (Da Costa). pp. 445–52. Hill BJ. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

Plaque assay for rabies serogroup viruses in vero cells. Buckley SM, et al. **J Clin Microbiol** 1(2):241–2, Feb 75

Detection of neonatal calf diarrhea virus, infant reovirus-like diarrhea virus, and a coronavirus using the fluorescent virus precipitin test. Peterson MW, et al. **J Clin Microbiol** 3(3):376–7, Mar 76

Isolation of foamy virus from rhesus, African green and cynomolgus monkey Leukocytes. Feldman MD, et al. **J Med Primatol** 4(5):287–95, 1975

Virological studies of baboon (Papio hamadryas) lymphoma: isolation and characterization of foamyviruses. Rabin H, et al. **J Med Primatol** 5(1):13–22, 1976

Quantitation of RNA tumor viruses by spectroscopy of density gradient gels. Liebes LF, et al. **J Virol** 16(3):546–52, Sep 75

Studies on two viral strains isolated from the outbreak of equine influenza in Japan. Nagamine T, et al. **Kitasato Arch Exp Med** 48(2–3):47–52, Sep 75

An orbi-like virus in the faeces of neonatal calves with diarrhoea. Burgess GW, et al. **NZ Vet J** 24(3):35–6, Mar 76

Oncornavirus-like particles in human skin cancers. Balda BR, et al. **Proc Natl Acad Sci USA** 72(9):3697–700, Sep 75

The search for RNA tumor viruses in human cancer. Aaronson SA, et al. **Prog Clin Cancer** 6:51–63, 1975 (81 ref.)

Isolation and characterization of a viral agent from intestinal tissue of patients with Crohn's disease and other intestinal disorders. Aronson MD, et al. **Prog Med Virol** 21:165–76, 1975

[Attempts to purify strain K of the virus of classical swine plague] Milev N. **Vet Med Nauki** 12(4):95–9, 1975 (Eng. Abstr.) **(Bul)**

[Responsibility of the rotavirus in infantile diarrheas] Buffet-Janvresse C, et al. **Nouv Presse Med** 5(19):1249–51, 8 May 76 **(Fre)**

[Presence of RNA-and DNA-tumor viruses within a cell line from mouse spleen and thymus (author's transl) Widmaier R, et al. **Arch Geschwulstforsch** 45(5):502–9, 1975 (Eng. Abstr.) **(Ger)**

[Double infection of the rainbow trout with viruses of viral hemorrhagic septicemia (VHS) and of infectious pancreatic necrosis (IPN)] Schlotfeldt HJ, et al. **Berl Munch Tieraerztl Wochenschr** 88(23):454, 1 Dec 75

(Eng. Abstr.) (Ger)
[Pathology of visna-disease in goats] Griem W, et al. **Dtsch Tieraerztl Wochenschr** 82(10):396–400, 5 Oct 75 (Eng. Abstr.) (Ger)
[RNA-tumor-virus-like particles in human melanomas with specific relationship to a melanoma virus in mice] Hehlmann R, et al. **Verh Dtsch Ges Inn Med** 81:1576–80, 1975 (Ger)
[Comparative studies by the electron microscope of rhabdoviruses of plant and of animal origin. III. Egtved virus (VHS) of the rainbow trout (Salmo gairdneri) and rickettsia-like organisms (author's transl)] Ozel M, et al. **Zentralbl Bakteriol [Orig A]** 230(1):1–14, Jan 75 (Eng. Abstr.) (Ger)
[Epidemiology of Lassa fever] Adomajlo A. **Przegl Epidemiol** 30(2):243–6, 1976 (Pol)
[Isolation of the bovine diarrhea virus] Galiev RS, et al. **Veterinariia** (3):113–4, Mar 76 (Rus)
[Pathomorphology of experimental infections caused by a virus isolated from a case of encephalomyelopathy] Shubladze AK, et al. **Vopr Virusol** (3):330–6, May–Jun 75 (Eng. Abstr.) (Rus)

METABOLISM

Sequence relatedness of mammalian viral RNA genomes and RNA species released by human neoplastic cells. East JL, et al. **Bibl Haematol** (43):484–7, Oct 75
Nucleic acid and protein studies of the Mason-Pfizer virus. Schlom J, et al. **Bibl Haematol** (43):134–40, Oct 75
Sequences related to the RNA tumor viruses in the RNA and DNA of human leukemias and lymphomas. Spiegelman S, et al. **Bibl Haematol** (40):3–25, 1975
A new aspect of the RNA bacteriophages translation control mechanism. Knijnenburg A, et al. **Biosystems** 7(2):245–9, Oct 75
Molecular biology of animal viruses. Flint J. **Cell** 8(1):151–62, May 76
The genome of RNA tumor viruses: a functional requirement for a polyploid structure? Cooper PD, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:997–1004, 1975
Reverse transcriptase associated with A-type particles from murine myeloma cells. Thach RE, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:963–8, 1975
Modification at the 5'-terminus of messenger RNA strand. pp. 153–9. Miura K, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
RNA-directed DNA synthesis in viruses and normal cells: a possible mechanism in differentiation. pp. 339–48. Kang CY, et al. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.**
Transcription of 70S RNA by DNA polymerases from mammalian RNA viruses. Abrell JW, et al. **J Virol** 16(6):1566–74, Dec 75
Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses. Kaluza G, et al. **J Virol** 17(1):1–9, Jan 75
Integration of viral genomes. Zhdanov VM. **Nature** 256(5517):471–3, 7 Aug 75
5-iododeoxyuridine potentiation of the replication in vitro of several unrelated RNA and DNA viruses. Green JA, et al. **Science** 190(4219):1099–101, 12 Dec 75
Molecular organization and stabilizing forces of simple RNA viruses. IV. Selective interference with protein-RNA interactions by use of sodium dodecyl sulfate. Boatman S, et al. **Virology** 70(1):1–16, Mar 76

PATHOGENICITY

The infection of merino sheep with bovine ephemeral fever virus. Hall WT, et al. **Aust Vet J** 51(7):344–6, Jul 75
The effect of bovine ephemeral fever virus on the bovine foetus. Tzipori S, et al. **Aust Vet J** 51(2):64–6, Feb 75
The susceptibility of calves to infection with a strain of bovine ephemeral fever virus inoculated intracerebrally. Tzipori S. **Aust Vet J** 51(5):254–5, May 75
The susceptibility of young and newborn calves to bovine ephemeral fever virus. Tzipori S. **Aust Vet J** 51(5):251–3, May 75
Relationships between components in primate RNA tumor viruses and in the cytoplasm of human leukemic cells: implications to leukemogenesis. Gallo RC, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:933–61, 1975
Pathogenetic studies of infection of the bovine fetus with bovine viral diarrhea virus. I. Cerebellar atrophy. Brown TT, et al. **Vet Pathol** 11(6):486–505, 1974
Infectivity of visna virus DNA. Haase AT, et al. **Virology** 70(1):65–79, Mar 76
[Lassa fever] **Orv Hetil** 117(26):1580–4, 27 Jun 76 (Hun)
[Mitosis and viral infection in cell cultures. I. The effect of cytolytic viruses on the mitotic regime of monolayer cell cultures] Zalkind SIa. **Usp Sovrem Biol** 79(2):271–84, Mar–Apr 75 (64 ref.) (Rus)

PHYSIOLOGY

Spontaneous mutation of RNA tumour viruses. Zarling DA. **Ric Clin Lab** 6(7):13–9, Jan–Mar 76

ULTRASTRUCTURE

The rhabdoviruses of Entamoeba histolytica and Entamoeba invadens. Bird RG, et al. **Ann Trop Med Parasitol** 70(1):81–93, Mar 76
Electron microscopy of Japanaut and Tilligerry viruses: two proposed members of the orbivirus group. Schnagl RD, et al. **Aust J Biol Sci** 28(4):425–32, Aug 75
Comparisons of the low resolution structure of several small RNA-containing viruses. Fischbach FA, et al. **Biochim Biophys Acta** 432(3):404–8, 19 May 76
Morphology and morphogenesis of arenaviruses. Murphy FA, et al. **Bull WHO** 52(4–6):409–19, 1975
Negative contrast electron microscopic diagnosis of viruses of neonatal calf diarrhea. England JJ, et al. **Cornell Vet** 66(2):172–82, Apr 76
The detailed structure of visna-maedi virus. Harter DH. **Front Biol** 44:45–60, 1976
Electron microscopy studies on Banzi virus particle and its development in the suckling mice brains. Calberg-Bacq CM, et al. **J Ultrastruct Res** 53(2):193–203, Nov 75

RO 7-0207 see under **NITROIMIDAZOLES**

RO 7-2956 see under **IMIDAZOLES**

RO 20-1724 see under **IMIDAZOLES**

ROBAXIN see **METHOCARBAMOL**

ROBENIDINE see under **GUANIDINES**

ROCKY MOUNTAIN SPOTTED FEVER

Rocky Mountain spotted fever. Hovenden HG. **Am J Nurs** 76(3):419–21, Mar 76
A review of Rocky Mountain spotted fever (tick-borne typhus), its agent, and its tick vectors in the United States. Burgdorfer W. **J Med Entomol** 12(3):269–78, 25 Sep 75 (57 ref.)

BLOOD

Alterations in plasma copper, zinc, amino acids, and seromucoid during Rocky Moutain spotted fever in guinea pigs. Powanda MC, et al. **Proc Soc Exp Biol Med** 151(4):804–7, Apr 76
Changes in plasma could-insoluble globulin concentration during experimental Rocky Mountain spotted fever infection in rhesus monkeys. Mosher DF. **Thromb Res** 9(1):37–45, Jul 76

COMPLICATIONS

[Acute renal insufficiency in spotted fever] Gutman A, et al. **Harefuah** 89(7):298–300, 1 Oct 75 (Eng. Abstr.) (Heb)

DIAGNOSIS

Late appearance of skin rash and abnormal serum enzymes in Rocky Mountain spotted fever. A case report. Sexton DJ, et al. **J Pediatr** 87(4):580–2, Oct 75
Early diagnosis of Rocky Mountain spotted fever. Use of primary monocyte culture technique. DeShazo RD, et al. **JAMA** 235(13):1353–5, 29 Mar 76
Letter: Rocky Mountain spotted fever: diagnosis. Sexton DJ, et al. **JAMA** 236(10):1117, 6 Sep 76

IMMUNOLOGY

Antibody response to Rocky Mountain spotted fever. Kenyon RH, et al. **J Clin Microbiol** 3(5):513–8, May 76
Microimmunofluorescence test for the serological study of rocky mountain spotted fever and typhus. Philip RN, et al. **J Clin Microbiol** 3(1):51–61, Jan 76
Indirect hemagglutination test for human antibody to typhus and spotted fever group rickettsiae. Shirai A, et al. **J Clin Microbiol** 2(5):430–7, Nov 75

OCCURRENCE

Distribution of suspected tick vectors and reported cases of Rocky Mountain spotted fever in California. Rotramel GL, et al. **Am J Epidemiol** 104(3):287–93, Sep 76
Rocky Mountain spotted fever: epidemiology of an increasing problem. Hattwick MA, et al. **Ann Intern Med** 84(6):732–9, Jun 76
Clinical and epidemiologic features of Rocky Mountain spotted fever in Mississippi, 1933–1973. Sexton DJ, et al. **South Med J** 68(12):1529–35, Dec 75

PATHOLOGY

Functional and morphologic changes during experimental Rocky Mountain spotted fever in guinea pigs. Moe JB, et al. **Lab Invest** 35(3):235–45, Sep 76
Thirty-three year old man with fever, chills, and rash of one week duration. Saylor HL, et al. **SD J Med** 28(11):7–11, Nov 75

PREVENTION & CONTROL

Preparation of Rocky Mountain spotted fever vaccine suitable for human immunization. Kenyon RH, et al. **J Clin Microbiol** 1(6):500–3, Jun 75
Comparison of three rocky mountain spotted fever vaccines. Kenyon RH, et al. **J Clin Microbiol** 2(4):300–4, Oct 75

TRANSMISSION

Rocky Mountain spotted fever (tick-borne typhus) in South Carolina: an educational program and tick/rickettsial survey in 1973 and 1974. Burgdorfer W, et al. **Am J Trop Med Hyg** 24(5):866–72, Sep 75
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky Mountain spotted fever. Wilkinson PR, et al. **J Med Entomol** 12(4):480, 31 Oct 75

VETERINARY

Rocky Mountain spotted fever in Mississippi: survey for spotted fever antibodies in dogs and for spotted fever group reckettsiae in dog ticks. Sexton DJ, et al. **Am J Epidemiol** 103(2):192–7, Feb 76
Changes in blood serum constituents and hematologic values in Macaca mulatta with Rocky Mountain spotted fever. Sammons LS, et al. **Am J Vet Res** 37(6):725–30, Jun 76
Pathology of experimental Rocky Mountain spotted fever in rhesus monkeys. Moe JB, et al. **Vet Pathol** 13(1):69–77, 1976

RODENT CONTROL

see related
RODENTICIDES

Problems of rodent control in rural tropical areas. Barnes AM. **Bull WHO** 52(4–6):669–76, 1975
Evaluation of demographic parameters of native rodent populations and implications for control. French NR. **Bull WHO** 52(4–6):677–89, 1975
Problems associated with the control of rodents in tropical Africa. Gratz NG, et al. **Bull WHO** 52(4–6):697–706, 1975
Present and future requirements of pest control in the food industry. Cornwell PB. **Community Health (Bristol)** 7(4):205–14, Apr 76
[Importance of synantropic animals in the control of endemic Chagas' disease] da Rocha e Silva EO, et al. **Rev Saude Publica** 9(3):371–81, Sep 75 (Eng. Abstr.) (Por)
[Resistance of the Salmonella used for deratization to some environmental factors] Omel'ianets TG. **Gig Sanit** (4):99–101, Apr 76 (Rus)

INSTRUMENTATION

Further comments on deleterious behavioral and physiological effects of sound. Morley BJ, et al. **Psychol Rep** 37(2):544–6, Oct 75

METHODS

Rodent control programmes in areas affected by Bolivian haemorrhagic fever. Mercado R. **Bull WHO** 52(4–6):691–6, 1975

RODENT DISEASES

Proceedings: Intracerebral transplantation of chemically induced gliomas in rats—a brain tumor model in animal experiment. Waldbaur H, et al. **Acta Neurochir (Wien)** 31(3–4):301, 1975
Alcoholic liver injury: experimental models in rats and baboons. Lieber CS, et al. **Adv Exp Med Biol** 59:379–93, 1975
Effect of aflatoxin on susceptibility of hamsters to Mycobacterium paratuberculosis. Larsen AB, et al. **Am J Vet Res** 36(10):1545–7, Oct 75
Interrelationships between athyroetic and copper-deficient states in rats. Oliver JW. **Am J Vet Res** 36(11):1649–53, Nov 75
The Gaucher mouse. Kanfer JN, et al. **Biochem Biophys Res Commun** 67(1):85–90, 3 Nov 75
Factors affecting the natural incidence of hepatoma in mice. Grasso P. **Food Cosmet Toxicol** 14(1):63–5, Jan 76
The biology of the guinea pig. Neoplastic diseases. pp. 211–25. Manning PJ. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**
The biology of the guinea pig. Nutrition, nutritional diseases, and nutrition research applications. pp. 235–67. Navia JM, et al. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**
The biology of the guinea pig. Miscellaneous disease conditions of guinea pigs. pp. 228–34. Wagner JE. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**
Keratoconjunctivitis associated with sialodacryoadenitis in rats. Lai YL, et al. **Invest Ophthalmol** 15(7):538–41, Jul 76
Hepatomas in a group of captive woodchucks. Long GG, et al. **J Am Vet Med Assoc** 167(7):589, 1 Oct 75
Observations on experimental mastitis in mice with reference to summer mastitis in cattle. Chandler RL, et al. **J Comp Pathol** 86(2):319–27, Apr 76
Culex (Eumelanomyia) rubinotus Theobald as vector of Banzi, Germiston and Witwatersrand viruses. II. Infections in sentinel hamsters and wild rodents. McIntosh BM, et al. **J Med Entomol** 12(6):641–4, 20 Feb 76
The pocket mouse (Perognathus longimembris). A unique model of periodontal disease. Shklar G, et al.

J Periodontol 46(12):723–30, [4]Dec 75

Subcutaneous exposure of the Richardson's ground squirrel (Spermophilus richardsonii Sabine) to western equine encephalomyelitis virus. Leung MK, et al. **J Wildl Dis** 12(2):237–46, Apr 76

Some observations on chronic leptospiral carrier state in gerbils experimentally infected with Leptospira grippotyphosa. Tripathy DN, et al. **J Wildl Dis** 12(1):55–8, Jan 76

An eye infection in laboratory mice associated with Pasteurella pneumotropica. Needham JR, et al. **Lab Anim** 9(3):197–200, Jul 75

An epizootic outbreak of ringworm in a guinea-pig colony caused by Trichophyton mentagrophytes. Pombier EC, et al. **Lab Anim** 9(3):215–21, Jul 75

Natural infections of guinea-pigs. Rigby C. **Lab Anim** 10(2):119–42, Apr 76

Pinworm infections in laboratory rodents: a review. Taffs LF. **Lab Anim** 10(1):1–13, Jan 76 (87 ref.)

Malocclusion of the premolar and molar teeth in the guinea pig. Ediger RD, et al. **Lab Anim Sci** 25(6):760–2, Dec 75

Spontaneous epicardial mineralization in BALB/cStCrl mice. Frith CH, et al. **Lab Anim Sci** 25(6):787, Dec 75

Development of an animal model for Mycoplasma-related reproductive failure. Gabridge MG, et al. **Lab Anim Sci** 26(2 Pt 1):206–10, Apr 76

Bacterial mastitis in guinea pigs. Kinkler RJ Jr, et al. **Lab Anim Sci** 26(2 Pt 1):214–7, Apr 76

Spontaneous osteogenic sarcoma in the WI/Ten rat: a case report. Machado EA, et al. **Lab Anim Sci** 26(1):98–100, Feb 76

The hamster as a model for experimental pulmonary emphysema. Martorana PA. **Lab Anim Sci** 26(2 Pt 2):352–4, Apr 76 (10 ref.)

The use of spontaneously hypertensive rats for the study of anti-hypertensive agents. Roba JL. **Lab Anim Sci** 26(2 Pt 2):305–19, Apr 76

The Proechimys rat; a potential laboratory host and model for the study of Trypanosoma evansi. Morales GA, et al. **Trop Anim Health Prod** 8(2):122–4, May 76

Cervical lymphadenitis in the guinea pig. Henderson JD Jr. **Vet Med Small Anim Clin** 71(4):462–3, Apr 76

Fatal hairball in a long-haired hamster. Nelson WB. **Vet Med Small Anim Clin** 70(10):1193, Oct 75

Naturally-occurring Sendai virus infection of athymic nude mice. Ward JM, et al. **Vet Pathol** 13(1):36–46, 1976

Letter: Rabies: rats and mice not guilty. **Vet Rec** 98(11):226, 13 Mar 76

Diseases of guinea-pigs. Sebesteny A. **Vet Rec** 98(21):418–23, 22 May 76 (69 ref.)

Enzootic with ectromelia symptomatology in Sprague-Dowley rats. Iftimovici R, et al. **Virologie** 27(1):65–6, Jan–Mar 76

[A rare eye malformation in a CD rat] Kreibig W, et al. **Z Versuchstierkd** 18(1–2):25–31, 1976 (Eng. Abstr.) **(Ger)**

[Large resorbing hemorrhage in the right ovary with disturbances of hormonal balance in a mouse] Fabian G. **Zentralbl Veterinaermed** [A] 22(9):797–800, Nov 75 (Eng. Abstr.) **(Ger)**

[Studies of etiology and prophylaxis of stroke--stroke-prone spontaneously hypertensive rats] Yamori Y, et al. **Jpn J Clin Med** 34(1):25–34, 10 Jan 76 **(Jpn)**

[Etiological study of experimental pyelonephritis--intrarenal bacterial behavior in an experimental model] Tadokoro H, et al. **Jpn J Nephrol** 16(6):560–8, Jun 74 **(Jpn)**

[Smallpox in white rats] Likhachev NV, et al. **Veterinariia** (3):61–2, Mar 76 **(Rus)**

[A histopathological study on necrotic arachnidism by Loxosceles laeta (author's transl)] Pizzi T. **Bol Chil Parasitol** 30(1–2):34–6, Jan–Jun 75 **(Spa)**

BLOOD

[Renin and apoplexy--plasma renin and vascular disorders in stroke-prone spontaneously hypertensive rats] Matsunaga M, et al. **Jpn J Clin Med** 34(1):92–6, 10 Jan 76 (19 ref.) **(Jpn)**

CHEMICALLY INDUCED

Studies on dioctyl sodium sulfosuccinate toxicity: clinical, gross and microscopic pathology in the horse and guinea pig. Moffatt RE, et al. **Can J Comp Med** 39(4):434–41, Oct 75

Obesity and cerebral lesions in mice induced by 4-nitroquinoline 1-oxide. Mizutani T. **Jpn J Vet Sci** 38(2):177–25, Apr 76

Appearance of keratitis in laboratory mice: influence of azathioprine and meticorten. Kaplun A, et al. **Lab Anim** 10(2):105–9, Apr 76

Induction of forestomach, duodenal and liver tumors in Praomys (Mastomys) natalensis by oral or intragastric administration of N-methyl-N'-nitro-N-nitrosoguanidine. Kurokawa Y, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 22(1–2):1–9, Jul 75

Clinical toxicities of pet and caged rodents and rabbits. Kruckenberg SM, et al. **Vet Clin North Am** 5(4):675–84, Nov 75

Ozone-induced pulmonary lesions in rats and rhesus monkeys. Mellick PW, et al. **Vet Pathol** 12(1):61–2, 1975

Dose response to a single injection of azoxymethane in rats. Induction of tumors in the gastrointestinal tract, auditory sebaceous glands, kidney, liver and preputial gland. Ward JM. **Vet Pathol** 12(3):165–77, 1975

CONGENITAL

Levels of spontaneous malformations in the CD rat and the CD-1 mouse. Perraud J. **Lab Anim Sci** 26(2 Pt 2):293–300, Apr 76

Anomalous cardiovascular structures in a guinea pig. Haris AM, et al. **Vet Pathol** 13(2):157–8, 1976

DIAGNOSIS

[Intrauterine infection of mice with ectromelia virus] Schwanzer V, et al. **Z Versuchstierkd** 17(2):110–20, 1975 (Eng. Abstr.) **(Ger)**

[Clinical aspects of demodectic mange in the hamster] Mantelli F, et al. **Folia Vet Lat** 5(2):347–51, Apr–Jun 75 **(Ita)**

DRUG THERAPY

Anthelmintic efficacy of mebendazole for pinworm infection of mice. Sharp JW, et al. **Lab Anim Sci** 26(2 Pt 1):222–3, Apr 76

The action of oxamniquine on Leishmania braziliensis braziliensis in hamsters. Brazil RP, et al. **Rev Inst Med Trop Sao Paulo** 18(2):87–8, Mar–Apr 76

[Experiences with fenbendazole in combatting Syphacia muris in a rat colony. 1st report] Strasser H, et al. **Dtsch Tieraerztl Wochenschr** 83(5):224–6, 5 May 76 (Eng. Abstr.) **(Ger)**

[Effectiveness of preparations in coccidiosis of nutria] Nukerbaeva KK, et al. **Veterinariia** (1):69–70, Jan 76 **(Rus)**

ENZYMOLOGY

Cystine aminopeptidase activity (oxytocinase) in pregnant guinea pigs: normal and infected with Campylobacter fetus. Hrabak R, et al. **Am J Vet Res** 37(3):343–4, Mar 76

Plasma alkaline phosphatase in mice with experimentally-induced osteosarcomas. Bailey JM, et al. **Lab Anim Sci** 26(1):66–9, Feb 76

ETIOLOGY

Oral rabies vaccine: evaluation of its infectivity in three species of rodents. Winkler WG, et al. **Am J Epidemiol** 104(3):294–8, Sep 76

Susceptibility of the Mongolian gerbil (Meriones unguiculatus) to Mycobacterium paratuberculosis. Larsen AB, et al. **Am J Vet Res** 37(9):1113–4, Sep 76

Hexamitiasis in cadmium-exposed mice. Exon JH, et al. **Arch Environ Health** 30(9):463–4, Sep 75

Letter: Chronic fluorosis in laboratory guinea pigs. Parsonson IM, et al. **Aust Vet J** 51(7):362–3, Jul 75

Coxsackie B-3 virus infection of germfree mice. Mahouy G, et al. **Lab Anim** 9(3):241–2, Jul 75

Pasteurella pneumotropica as the causal organism of abscesses in the masseter muscle of mice. Wilson P. **Lab Anim** 10(2):171–2, Apr 76

Hyperbaric oxygen seizures in rats: effects of handling and chamber noise. Boyle E, et al. **Lab Anim Sci** 26(1):100–1, Feb 76

Amyloidosis induced in hamsters by a filarid parasite (Dipetalonema viteae). Crowell WA, et al. **Vet Pathol** 12(3):178–85, 1975

Pathogenesis of sialodacryoadenitis in gnotobiotic rats. Jacoby RO, et al. **Vet Pathol** 12(3):196–209, 1975

[Gastric torsion in a guinea pig(author's transl)] Willemse A. **Tijdschr Diergeneeskd** 100(15):840–1, 1 Aug 75 (Eng. Abstr.) **(Dut)**

[Vitamin K deficiency in 'SPF-Rats' fed an irradiated semisynthetic diet] Juhr VN, et al. **Z Versuchstierkd** 17(4):212–28, Jul 75 (Eng. Abstr.) **(Ger)**

[A study of the agent of scrapie adapted to hamsters] Gardash'ian AM. **Biull Eksp Biol Med** 81(2):199–201, Feb 76 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Hereditary cataracts in deer mice (Peromyscus maniculatus). Burns RP, et al. **Am J Ophthalmol** 80(3 Pt 1):370–8, Sep 75

Animal model of human disease: hereditary hypothalamic diabetes insipidus. Valtin H. **Am J Pathol** 83(3):633–6, Jun 76

Pleiotropic effect of the staggerer gene. Yoon CH. **Brain Res** 109(1):206–15, 4 Jun 76

Influence of genetic background on the expression of mutations at the diabetes locus in the mouse. II. Studies on background modifiers. pp. 182–7. Coleman DL, et al.

In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

Myodystrophy, a new myopathy on chromosome 8 of the mouse. Lane PW, et al. **J Hered** 67(3):135–8, May–Jun 76

Congenic strains of RCS rats with inherited retinal dystrophy. LaVail MM, et al. **J Hered** 66(4):242–4, Jul–Aug 75

Three recessive genes for congenital osteopetrosis in Norway rat. Moutier R, et al. **J Hered** 67(3):189–90, May–Jun 76

Impaired development of tolerance to morphine analgesia in rats with hereditary diabetes insipidus. De Wied D, et al. **Psychopharmacologia** 46(1):27–9, 1976

Genetics of urogenital abnormalities in ACI inbread rats. Cramer DV, et al. **Teratology** 12(1):27–32, Aug 75

[A few characteristics of mouse having high sensibility to anaphylatic shock separated from El mouse (author's transl)] Hamada Y. **Exp Anim (Tokyo)** 24(3):83–7, Jul 75 (Eng. Abstr.) **(Jpn)**

HISTORY

Of mice and men, of triumph and tragedy, of murine models of malignant disease. Schoenberg BS, et al. **Surg Gynecol Obstet** 141(6):933–7, Dec 75

IMMUNOLOGY

Immunological competence in Snell-Bagg pituitary dwarf mice: response to the contact-sensitizing agent oxazolone. Schneider GB. **Am J Anat** 145(3):371–93, Mar 76

Pathogenesis of tularemia in immune and nonimmune rats. Moe JB, et al. **Am J Vet Res** 36(10):1505–10, Oct 75

Tamiami virus infection in mice and cotton rats. Winn WC Jr, et al. **Bull WHO** 52(4–6):501–6, 1975

Natural and acquired resistance in rodent hosts to myiasis by Cuterebra fontinella (Diptera: Cuterebridae). Gingrich RE, et al. **J Med Entomol** 13(1):61–5, 29 May 76

Carrier state of antibody and viruses in a mouse breeding colony persistently infected with Sendai and mouse hepatitis viruses. Fujiwara K, et al. **Lab Anim Sci** 26(2 Pt 1):153–9, Apr 76

Characterization of age-associated kidney disease in Wistar rats. Hirokawa K. **Mech Ageing Dev** 4(3–4):301–16, May–Aug 75

METABOLISM

Iron and anaemia in the neonatal mouse. Loh TT. **Aust J Exp Biol Med Sci** 53(2):167–73, Apr 75

Effects of long-term restricted insulin production in obese-hyperglycemic (genotype ob/ob) mice. Boozer CN, et al. **Diabetologia** 12(2):181–7, May 76

Defective insulin secretion in the spiny mouse (Acomys cahirinus): possible value in the study of the pathophysiology of diabetes. pp. 204–11. Rabinovitch A, et al.
In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.

Hyperinsulinemia, insulin resistance and cataract formation in sand rats. Gutman A, et al. **Isr J Med Sci** 11(7):714–22, Jul 75

Defective insulin secretion in the spiny mouse (Acomys cahirinus). Possible value in the study of the pathophysiology of diabetes. Rabinovitch A, et al. **Isr J Med Sci** 11(7):730–7, Jul 75

Hyperlipidemia and hepatic hyperlipogenesis in spiny mice (Acomys cahirinus) on carbohydrate diets: relationship to peripheral underresponsiveness and low insulin release. Shafrir E, et al. **Isr J Med Sci** 11(7):738–52, Jul 75

Halothane anaesthesia of normal and dystrophic hamsters. Carvell JE, et al. **Lab Anim** 9(4):345–52, Oct 75

MICROBIOLOGY

Development of sensitive methods for detection of latent Kilham virus infection of rats. Shalunova NV, et al. **Acta Virol (Praha)** 19(4):354–8, Jul 75

Murine cytomegalovirus (MCMV). Lussier G. **Adv Vet Sci Comp Med** 19:223–47, 1975 (107 ref.)

Leptospirosis in wildlife in Brazil: isolation of a new serotype in the pyrogenes group. Santa Rosa CA, et al. **Am J Vet Res** 36(9):1363–5, Sep 75

Mycoplasmas of small animal hosts. pp. 311–5. Hill A.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

The biology of the guinea pig. Bacterial, mycoplasma, and rickettsial diseases. pp. 121–35. Ganaway JR.
In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.

The biology of the guinea pig. Mycoses. pp. 153–61. Sprouse RF.
In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.

The biology of the guinea pig. Viral and chlamydial diseases. pp. 137–52. Van Hoosier GL Jr, et al.
In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.

Reovirus type 3 infection of laboratory mice in India. Rai A, et al. **Indian J Med Res** 63(3):487–93, Mar 75

Transmissible enterocolitis in hamsters caused by Tyzzer's organism. Nakayama M, et al. **Jpn J Exp Med** 45(1):33–41, Feb 75

Specific fluorescent antibody staining of the grain in skin lesion of guinea pigs infected with Pseudomonas aeruginosa. Sawada T, et al. **Jpn J Vet Sci** 37(6):621–5, Dec 75

Mycoplasma pulmonis infection in gnotobiotic and conventional mice: aspects of pathogenicity including microbial enumeration and studies of tracheal involvement. Organick AB, et al. **Lab Anim Sci** 26(3):419–29, Jun 76

The occurrence of Mycoplasma arthritidis in the throat and middle ear of rats with chronic respiratory disease. Stewart DD, et al. **Lab Anim Sci** 25(6):769–73, Dec 75

Isolation of an atypical Pasteurella-like organism from guinea pig abscesses. Stewart DD, et al. **Lab Anim Sci** 26(3):482–5, Jun 76

Suckling mouse cataract agent is a helical wall-free prokaryote (spiroplasma) pathogenic for vertebrates. Tully JG, et al. **Nature** 259(5539):117–20, 15 Jan 76

Cutaneous infection of a porcupine (Erethizon dorsatum) by Aureobasidium pullulans. Salkin IF, et al. **Sabouraudia** 14(1):47–9, Mar 76

Pneumocystis and Histoplasma infections in wild animals from the amazon region of Brazil. Lainson R, et al. **Trans R Soc Trop Med Hyg** 69(5–6):505–8, 1975

Isolation of a 'saprophytic' leptospiral serotype andamana from carrier rats in Israel. Shenberg E, et al. **Trop Geogr Med** 27(4):395–8, Dec 75

[First European case of adiaspiromycosis due to Emmonsia parva (Emmons and Ashburn) Ciferri and Montemartini 1959, in a mammal: Apodemus flavicollis] Zlatonov Z, et al. **Ann Parasitol Hum Comp** 50(3):361–4, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Rabies in nutria (experimental studies)] Safarov RK, et al. **Veterinariia** (9):59–61, Sep 74 **(Rus)**

[Acute and chronic infection of mice, caused by lymphocytic choriomeningitis virus isolated from Mus musculus in Moscow] Gaidamovich SIa, et al. **Vopr Virusol** (2):223–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The incidence of spontaneous tumors of the central nervous system of Wistar rats. Sumi N, et al. **Arch Toxicol (Berl)** 35(1):1–13, 30 Jan 76

Piroplasmosis in rats from indonesia. Van Peenen PF. **Bull Soc Pathol Exot** 68(3):303–6, May–Jun 75

Spontaneous diseases in a closed colony of Praomys (Mastomys) natalensis. Snell KC, et al. **Bull WHO** 52(4–6):645–50, 1975

Trypanosoma cruzi: new foci of enzootic Chagas' disease in California. Wood SF. **Exp Parasitol** 38(2):153–60, Oct 75

Factors affecting the natural incidence of hepatoma in mice. Grasso P. **Food Cosmet Toxicol** 14(1):63–5, Jan 76

A seroepidemiological survey of Trypanosoma and Toxoplasma in Rattus norvegicus in England. Arafa MS, et al. **J Egypt Public Health Assoc** 49(4–5):231–43, 1974

Ecological effects of a plague epizootic on the activities of rodents inhabiting caves at Lava Beds National Monument, California. Nelson BC, et al. **J Med Entomol** 13(1):51–61, 29 May 76

Aging changes in CD–1 HaM/ICR mice reared under standard laboratory conditions. Homburger F, et al. **J Natl Cancer Inst** 55(1):37–45, Jul 75

New localities for mammal blood parasites from southwestern United States. Wood SF. **J Parasitol** 61(5):969–70, Oct 75

Hepatozoon griseisciuri infection in gray squirrels of the southeastern United States. Davidson WR, et al. **J Wildl Dis** 12(1):72–6, Jan 76

Prevalence of cuterebrid parasitism among woodmice in Virginia. Hensley MS. **J Wildl Dis** 12(2):172–9, Apr 76

Editorial: Rodent rabies. Von Reyn CF. **JAMA** 235(22):2423, 31 May 76

A survey of naturally occurring diseases of the Syrian hamster. Renshaw HW, et al. **Lab Anim** 9(3):179–91, Jul 75

Letter: Institutional outbreak of ectromelia. Anslow RO, et al. **Lab Anim Sci** 25(5):532–3, Oct 75

Prevalence of rodent and mongoose leptospirosis on the Island of Oahu. Higa HH, et al. **Public Health Rep** 91(2):171–7, Mar–Apr 76

Human babesiosis: reservoir in infection on Nantucket Island. Healy GR, et al. **Science** 192(4238):479–80, 30 Apr 76

Prevalence and pathology of Hepatojarakus bandicoti Sood et Parshad, 1973 (Trichostrongylidae:Nematoda) in natural infections of rodents. Parshad VR, et al. **Z Parasitenkd** 49(2):139–44, 30 Apr 76

[Rat and bilharziasis in Guadeloupe. New data (author's transl)] Nassi H, et al. **Ann Parasitol Hum Comp** 50(6):731–3, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Spontaneous tumors in a strain of NMRI mice] Weisse I, et al. **Z Versuchstierkd** 17(2):91–8, 1975 (Eng. Abstr.) **(Ger)**

[New findings concerning the spread of natural foci of infection in the transpolar region of eastern Siberia] Kornilova GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):96–100, Nov 75 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Larval development of the rodent botfly, Cuterebra tenebrosa, in bushy-tailed wood rats and its relationship to pupal diapause. Baird CR. **Can J Zool** 53(12):1788–98, Dec 75

The biology of the guinea pig. The arthropod parasites of the genus Cavia. pp. 201–9. Ronald NC, et al. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**

The biology of the guinea pig. Protozoan parasites. pp. 163–96. Vetterling JM. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**

The biology of the guinea pig. Helminth parasites. pp. 197–200. Wescott RB. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**

Studies on the Malayan forest rat filaria, Breinlia booliati: periodicity and microfilaraemic patterns during the course of infection. Yap EH, et al. **J Helminthol** 49(4):263–9, Dec 75

Unusual population buildups by Hirstionyssus utahensis (Acarina: Mesostigmata) on the golden-mantled ground squirrel in the laboratory. Eads RB. **J Med Entomol** 12(6):701–2, 20 Feb 76

Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. Jackson JO, et al. **J Med Entomol** 12(4):409–12, 31 Oct 75

Cestodes in laboratory mice: isolation of Cataenotaenia pusilla. Owen D. **Lab Anim** 10(1):59–64, Jan 76

Capillariasis in wild rats of Indonesia. Brown RJ, et al. **Southeast Asian J Trop Med Public Health** 6(2):219–22, Jun 75

Distribution and ecological consideration of Breinlia booliati infecting wild rodents in Malaysia. Liat LB, et al. **Southeast Asian J Trop Med Public Health** 6(2):241–6, Jun 75

[Description of Plasmodium aegyptensis n. sp., presumed parasite of the Muridae Arvicanthis noloticus in Upper Egypt] Abd-el-Aziz GA, et al. **Ann Parasitol Hum Comp** 50(4):419–24, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Demodicosis in the golden hamster] Kunstýř I, et al. **Tieraerztl Prax** 3(4):489–91, 1975 **(Ger)**

[Hexamita muris infection in mice and field hamsters in an experimental laboratory colony] Matthiesen T, et al. **Z Versuchstierkd** 18(3):113–20, 1976 (Eng. Abstr.) **(Ger)**

[Spontaneous infection of Hymenolepis nana in hamsters (author's transl)] Sano M, et al. **Exp Anim (Tokyo)** 24(2):41–4, Apr 75 (Eng. Abstr.) **(Jpn)**

[Silvane reservoirs and vectors of Trypanosoma cruzi. 58. Natural infection of the rat, Akodon lasiotis (Lung, 1841) by T. cruzi] Ribeiro RD, et al. **Rev Inst Med Trop Sao Paulo** 17(4):247–52, Jul–Aug 75 **(Por)**

[Duration and character of the course of cutaneous leishmaniasis in the midday gerbil (Meriones meridianus Pall.)] Strelkova MV. **Parazitologiia** 9(6):532–4, Nov–Dec 75 **(Rus)**

[Experimental infestation of nutria with RH strain Toxoplasma] Butabaeva MB, et al. **Veterinariia** (10):70–1, Oct 75 **(Rus)**

[The helminth fauna of Chile: III. Parasites of the degú rodent, Octodon degus Molina 1782, with descriptions of three new species (author's transl)] Babero BB, et al. **Bol Chil Parasitol** 30(3–4):68–76, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[Octodonthoxys gigantea n. gen. n. sp., a new Oxyurinae parasite nematode of a caviomorph Chilean rodent (author's transl)] Quentin JC, et al. **Bol Chil Parasitol** 30(1–2):21–5, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Animal model of human disease. Cerebral calcification, cytomegalovirus infection. Lussier G. **Am J Pathol** 80(3):555–8, Sep 75

Ectopical kidney tissue in the left auricle of a rat. Lützen L, et al. **Anat Anz** 138(4):307–12, 1975

Electron microscope study on endocrine cells and tumor cells in the glandular stomach of Praomys (mastomys) natalensis. Sano M. **Arch Histol Jpn** 38(3):237–58, Oct 75

Lack of amyloidosis and renal disease in A strain mice. Powers JM, et al. **Arch Pathol Lab® Med** 100(2):69–73, Feb 76

Articular cartilage of diabetic Chinese hamsters. Silberberg R, et al. **Arch Pathol Lab® Med** 100(1):50–4, Jan 76

The number of Purkinje cells and olive neurones in the normal and Lurcher mutant mouse. Caddy KW, et al. **Brain Res** 111(2):396–8, 30 Jul 76

Lassa virus infection in Mastomys natalensis in Sierra Leone. Gross and microscopic findings in infected and uninfected animals. Demartini JC, et al. **Bull WHO** 52(4–6):651–63, 1975

Comparative pathology of Lassa virus infection in monkeys, guinea-pigs, and Mastomys natalensis. Walker DH, et al. **Bull WHO** 52(4–6):523–34, 1975

Mammary neoplasia in the guinea pig (Cavia porcellus). Andrews EJ. **Cornell Vet** 66(1):82–96, Jan 76

Polyploidy in the pancreas of the normal and diabetic mutant mouse. Ehrie MG, et al. **Diabetologia** 12(2):167–70, May 76

Absence of barrels and disorganization of thalamic afferent distribution in the sensory cortex of reeler mice. Cragg BG. **Exp Neurol** 49(3):858–62, Dec 75

Comparative study of the pathology of sucrose-induced diabetes in the rat and adult-onset diabetes in man. Rosenmann E, et al. **Isr J Med Sci** 11(7):753–61, Jul 75

A normally laminated afferent projection to an abnormally laminated cortex: some olfactory connections in the reeler mouse. Devor M, et al. **J Comp Neurol** 164(4):471–82, 15 Dec 75

Experimental staphylococcal mastitis in the mouse. A morphometric study of early changes in mammary gland structure. Reid IM, et al. **J Comp Pathol** 86(2):329–36, Apr 76

Spontaneous colon tumors in rats. Miwa M, et al. **J Natl Cancer Inst** 56(3):615–21, Mar 76

Spontaneous adenocarcinomas of the ventral prostate of aged A X C rats. Shain SA, et al. **J Natl Cancer Inst** 55(1):177–80, Jul 75

Oligodendroglial cell development in jimpy mice and controls. An electron-microscopic study in the optic nerve. Meier C, et al. **J Neurol Sci** 26(4):517–28, Dec 75

Spleen and liver weight changes in NZB mice with haemolytic anaemia. Simpson LO. **Lab Anim** 9(4):261–73, Oct 75

Histological and histochemical studies of myocardial lesions in BALBc/Cr mice. Bellini O, et al. **Lab Anim Sci** 26(2 Pt 2):329–33, Apr 76

Mast cell neoplasia in mice. Frith CH, et al. **Lab Anim Sci** 26(3):478–81, Jun 76

Spontaneous lesions and parasites of the Mongolian gerbil, Meriones unguiculatus. Vincent AL, et al. **Lab Anim Sci** 25(6):711–22, Dec 75

Primary demyelination in Theiler's virus infection. An ultrastructural study. Dal Canto MC, et al. **Lab Invest** 33(6):626–37, Dec 75

Bone structures in avian and mammalian lungs. Borst GH, et al. **Vet Pathol** 13(2):93–103, 1976

Mouse encephalitis induced by avirulent Semliki forest virus. Chew-Lim M. **Vet Pathol** 12(5–6):387–93, 1975

Glomerulonephritis caused by murine cytomegalovirus. Potentiation by antithymocyte serum. Lussier G. **Vet Pathol** 13(2):123–30, 1976

Occurrence of hair-fragment emboli in the pulmonary vascular system of rats. Tekeli S. **Vet Pathol** 11(6):482–5, 1974

[Mitochondrial changes in the tubular epithelium of wistar-rats with spontaneous nephropathy (author's transl)] Kraus B, et al. **Virchows Archiv [Cell Pathol]** 19(2):179–90, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Case report on urolithiasis in the rat] Niggeschulze A, et al. **Z Versuchstierkd** 17(5–6):315–9, 1975 (Eng. Abstr.) **(Ger)**

[Pathological anatomy and histology of spontaneous, epithelial skin tumors in Mastomys natalensis] Rudolph R, et al. **Zentralbl Veterinaermed [A]** 23(05):429–41, Jul 76 (Eng. Abstr.) **(Ger)**

[Effects of various animal feeds on Wistar, SD, Donryu and Fischer rats—pathological findings] Sato H. **Exp Anim (Tokyo)** 25(2):110–7, Apr 76 **(Jpn)**

[Pathological studies on corynebacterial ulcerative entero-colitis in rats treated with ACTH (author's transl)] Yamada A, et al. **Exp Anim (Tokyo)** 24(4):151–60, Oct 75 (Eng. Abstr.) **(Jpn)**

[Animal model for periarteritis nodosa—SL/Nishizuka mice] Kyogoku K, et al. **Jpn J Clin Med** 34(3):655–8, 1976 **(Jpn)**

[Experimental parodontopathies in golden hamsters. I. Morphological studies] Nowicka J, et al. **Czas Stomatol** 28(10):1021–30, Oct 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Skull growth in achondroplasic (cn) mice; a craniometric study. Jolly RJ, et al. **J Embryol Exp Morphol** 33(4):1013–22, Jul 75

Renal microvasculature in spontaneously hypertensive rats. Jackson CG, et al. **Lab Anim Sci** 25(5):563–5, Oct 75

PREVENTION & CONTROL

A new approach to the study of immunity to schistosomes. Hillyer GV, et al. **Bol Asoc Med PR** 67(12):381–5, Dec 75

A study of plague epidemic in West Bengal. I. Human plague and rodent infection and result of control and Surveillance operation (1948–1971). Seal SC, et al. **Indian J Public Health** 19(3):126–46, Jul–Sep 75

Control of Paraspidodera unicinata in guinea-pigs with levamisole. Eliazian M, et al. **Lab Anim** 9(4):381–2, Oct 75

Salmonella typhimurium infection in guinea pigs: observations on monitoring and control. Olfert ED, et al. **Lab Anim Sci** 26(1):78–80, Feb 76

[Prevention of myocardial necroses in hereditary cardiopathy of the Syrian golden hamster] Lossnitzer K, et al. **Verh Dtsch Ges Inn Med** 81:335–8, 1975 **(Ger)**

TRANSMISSION

Transmission of Kyasanur Forest Disease virus by Haemaphysalis kyasanurensis trapido, Hoogstraal and Rajagopalan, 1964 (Acarina: Ixodidae). Bhat HR, et al. **Indian J Med Res** 63(6):879–87, Jun 75

Culex (Eumelanomyia) rubinotus Theobald as vector of Banzi, Germiston and Witwatersrand viruses. III. Transmission of virus to hamsters by wild-caught infected C. rubinotus. McIntosh BM, et al. **J Med Entomol** 12(6):645–6, 20 Feb 76

A murine Sarcocystis that causes an Isospora-like infection in cats. Powell EC, et al. **J Parasitol** 61(5):928–31, Oct 75

Latent Haemobartonella muris infection: its transmission and decline in an inbred, ectoparasite-free strain of Wistar rat. Bartlett R, et al. **Parasitology** 71(1):35–40, Aug 75

URINE

Urinary proteins in Sprague-Dawley rats with chronic progressive nephrosis. Weaver RN, et al. **Lab Anim Sci** 25(6):705–10, Dec 75

RODENT ULCER see under **CARCINOMA, BASAL CELL**

RODENTICIDES

[Bactericides, insecticides and raticides used in USSR (author's transl)] Vaškov VI. **Cesk Epidemiol Mikrobiol Imunol** 24(4):249–56, Jul 75 (Eng. Abstr.) **(Cze)**

[Rodenticidal action of warfarin/4th communication: Binding to serum albumin of mice and rats (author's transl)] von Oettingen U, et al. **Arzneim Forsch** 25(11):1705–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Bactoratindan—an effective substance against mouse-like rodents] Ostashev SN. **Veterinariia** (2):38–9, Feb 76 **(Rus)**

ANALYSIS

Letter: Trace determination of vacor rodenticide by pulse polarography. Whittaker JW, et al. **Anal Chem** 48(9):1418–20, Aug 76

High-performance liquid chromatographic determination of strychnine in grain baits.I Bushway RJ, et al. **J Assoc Off Anal Chem** 58(5):957–60, Sep 75

Gas–liquid chromatographic determination of strychnine in grain baits. Hanks AR, et al. **J Assoc Off Anal Chem** 58(5):961–4, Sep 75

POISONING

Sodium fluoroacetate poisoning. Reigart JR, et al. **Am J Dis Child** 129(10):1224–6, Oct 75

Relationship of acceptance and mortality of anticoagulant baits to rats. Palmateer SD, et al. **Bull Environ Contam Toxicol** 15(6):750–5, Jun 76

Fluoroacetamide (1081) oisoning in wild birds. Shlosberg A, et al. **J Wildl Dis** 11(4):534–6, Oct 75

Editorial: Phosphorus poisoning in children. Hussey HH. **JAMA** 235(13):1366, 29 Mar 76

Acute yellow phosphorus poisoning. 'Smoking stool syndrome'. Simon FA, et al. **JAMA** 235(13):1343–4, 29 Mar 76

[Homicide through poison using a rodenticide-containing thallium] Fischbach R. **Arch Kriminol** 151(3–4):91–5, Mar–Apr 73 **(Ger)**

[3 cases of glyfluorine poisoning] Kovalenko LI, et al. **Gig Tr Prof Zabol** (12):53–4, Dec 75 **(Rus)**

TOXICITY

Role of illness in producing learned taste aversions in rats: a comparison of several rodenticides. Nachman M, et al. **J Comp Physiol Psychol** 89(9):1010–8, Nov 75

RODENTS

Food preference and consumption by murine rodents. Arafa MS, et al. **Acta Vet Acad Sci Hung** 25(2–3):275–8, 1975

Rodent restrainer for biomicroscopy. Pitts WG. **Am J Optom Physiol Opt** 53(3):154–5, Mar 76

An analysis of sandbathing and grooming in the kangaroo rat (Dipodomys merriami). Borchelt PL, et al. **Anim Behav** 24(2):347–53, May 76

Aggression patterns in three chromosome forms of the mole rat, Spalax ehrenbergi. Guttman R, et al. **Anim Behav** 23(3):485–93, Aug 75

Female odors and aggression among male Microtus. Stehn RA, et al. **Behav Biol** 17(1):43–50, May 76

Scent marking with urine in two races of the bank vole (Clethrionomys glareolus). Johnson RP. **Behaviour** 55(1–2):81–93, 1975

Heteropyknosis of the chromosomes in liver cells of different ploidy: a nuclear image study. Pera F, et al. **Beitr Pathol** 156(2):145–54, Nov 75

Chromosomal banding patterns in Akodon arviculoides (2n=14),Akodon sp.(2n=24 and 25), and two male hybrids with 19 chromosomes. Yonenaga Y, et al. **Cytogenet Cell Genet** 15(6):388–99, 1975

Karyotype of Geomys pinetis (Mammalia: Geomyidae), with a discussion of the chromosomal relationships within the genus. Williams SL, et al. **Experientia** 31(10):1141–3, 15 Oct 75

Plutonium—health implications for man. Environmental pathways of pultonium into terrestrial plants and animals. Hakonson TE. **Health Phys** 29(4):583–8, Oct 75

Heterochromatin and sister chromatid exchanges in the chromosomes of Microtus agrestis. Natarajan AT, et al. **Hereditas** 79(1):150–4, 1975

White spotting in the California vole. Gill AE. **Heredity (Lond)** 37(1):113–28, Aug 76

The behavioral and somatic effects of ovariectomy and replacement therapy in female collared lemmings (Dicrostonyx groenlandicus). Hasler JF, et al. **Horm Behav** 7(1):59–74, Mar 76

The ultrastructure of spermatozoa from some hystricomorph rodents. pp. 251–8. Jones RC. **In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.**

Hepatomas in a group of captive woodchucks. Long GG, et al. **J Am Vet Med Assoc** 167(7):589, 1 Oct 75

Unusual population buildups by Hirstionyssus utahensis (Acarina: Mesostigmata) on the golden-mantled ground squirrel in the laboratory. Eads RB. **J Med Entomol** 12(6):701–2, 20 Feb 76

Schistosomiasis mansoni and japonicum in Microtus montanus. Ackerman SB, et al. **J Parasitol** 62(1):157–9, Feb 76

Subcutaneous exposure of the Richardson's ground squirrel (Spermophilus richardsonii Sabine) to western equine encephalomyelitis virus. Leung MK, et al. **J Wildl Dis** 12(2):237–46, Apr 76

Adiaspiromycosis in the Franklin's ground squirrel, Spermophilus franklini, and pika, Ochotona princeps, from Alberta, Canada. Tobon JL, et al. **J Wildl Dis** 12(1):97–100, Jan 76

An evaluation of sedatives and anesthetics in the agouti (Dasyprocta sp). Bacher JD, et al. **Lab Anim Sci** 26(2 Pt 1):195–7, Apr 76

Anesthesia of marmots with sodium pentobarbital, ketamine hydrochloride, and a combination of droperidol and fentanyl. Noyes DH, et al. **Lab Anim Sci** 25(5):557–62, Oct 75

Diet feeders for weanling meadow voles (Microtus pennsylvanicus). Russo SL, et al. **Lab Anim Sci** 26(3):506–7, Jun 76

Fertile XX- and XY-type females in the wood lemming Myopus schisticolor. Fredga K, et al. **Nature** 261(5557):225–7, 20 May 76

Species-specific neoplastic progression by ultraviolet light on the skin of rats, guinea pigs, hamsters and mice. Stenbäck F. **Oncology** 31(3–4):209–25, 1975

Aggression patterns and speciation. Nevo E, et al. **Proc Natl Acad Sci USA** 72(8):3250–4, Aug 75

Human babesiosis: reservoir in infection on Nantucket Island. Healy GR, et al. **Science** 192(4238):479–80, 30 Apr 76

The ontogeny of social behavior in four conilurine rodents (Muridae) of Australia. Happold M. **Z Tierphysiol** 40(3):265–78, Mar 76

Social behavior of the conilurine rodents (Muridae) of Australia. Happold M. **Z Tierpsychol** 40(2):113–82, Feb 76

[Avicanthis niloticus (rodent, Muridae), a reservoir of the virus causing leischmaniasis in Senegal] Ranque P, et al. **Bull Soc Pathol Exot** 67(2):167–75, Mar–Apr 74 (Eng. Abstr.) **(Fre)**

[Behavior and sociology of the muskrat (Ondatra zibethicus L.)] Steiniger B. **Z Tierpsychol** 41(1):55–79, May 76 (Eng. Abstr.) **(Ger)**

[Phenomenon of reduction at the species level and data on the systematics and diagnostics of jerboas (Dipodidae)] Geptner VG, et al. **Biol Nauki** (5):12–7, 1975 **(Rus)**

Karotype of Dicrostonyx torquatus chionapaes Allen and an unusual chromosome mechanism of sex determination in Palearctic pied lemmings] Gileva EA. **Dokl Akad Nauk SSSR** 224(3):697–700, 21 Sep 75 **(Rus)**

ANATOMY & HISTOLOGY

The structural organization of the kidney of the desert rodent Psammomys obesus. Kaissling B, et al. **Anat Embryol (Berl)** 148(2):121–43, 23 Dec 75

Projections of the trapezoid body and the superior olivary complex of the Kangaroo rat (Dipodomys merriami). Browner RH, et al. **Brain Behav Evol** 11(5–6):322–54, 1975

The rodent neostriatum: a Golgi analysis. Chronister RB, et al. **Brain Res** 108(1):37–46, 21 May 76

The perineal gland of brown lemmings, Lemmus trimucronatus. Stewart RE, et al. **Can J Zool** 54(6):1013–8, Jun 76

Demonstration of the existence of a single morphological type of gonadotrophic cell in Ellobius lutescens (Microtinae) by an ultrastructural analysis of their development under various physiological and experimental conditions. Stefan Y. **Cell Tissue Res** 167(1):49–64, 5 Mar 76

Recent progress in the understanding of renal medullary organization. pp. 61–8. Kriz W. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Comparative ultrastructural studies of the pineal gland of rodents. pp. 335–56. Matsushima S, et al. **In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.**

The ultrastructure of the anterior pituitary gland of the vole, Microtus agrestis, in normal and experimentally manipulated animals. Charlton HM, et al. **J Anat** 120(1):69–79, Sep 75

Light and electron microscopy of the ground squirrel retina: functional considerations. West RW. **J Comp Neurol** 168(3):355–77, 1 Aug 76

Duration of the cycle of the seminiferous epithelium in the prairie vole (Microtus ochrogaster ochrogaster). Schuler HM, et al. **J Exp Zool** 197(1):1–11, Jul 76

Karyotypes and accessory reproductive glands in the rodent genus Scotinomys. Carleton MD, et al. **J Mammal** 56(4):916–21, Nov 75

Bacula of Dipodomys ordii compactus and Dipodomys elator. Jannett FJ. **J Mammal** 57(2):382–7, May 76

Deciduous premolars in Thryonomys. Woods CA. **J Mammal** 57(2):370–1, May 76

An anatomical, histochemical, and autoradiographic study of the ever-growing molar dentition of Microtus with comments on the role of structure in growth and eruption. Oxberry BA. **J Morphol** 147(3):337–53, Nov 75

Neural-anatomy of the heart of Hystrix leucura (Indian porcupine). Haritwal RC. **Mikroskopie** 31(3–4):91–6, Jun 75

[Study of the correlations between the volumes of the hypophysis, the epiphysis and the subfornical organ to the somatic weight and the volume of the hypothalamus in rodents] Legait H, et al. **Bull Assoc Anat (Nancy)** 59(164):185–201, Mar 75 (Eng. Abstr.) **(Fre)**

[The topography of Gomori positive neurosecretory elements of the hypothalamus of the lemmings Dicrostonyx torquatus and Lemmus sibiricus] Popovich TV, et al. **Arkh Anat Gistol Embriol** 70(3):104–10, Mar 76 (Eng. Abstr.) **(Rus)**

[Endocrine cells of the mucous membrane of the fundus region of the stomach of hibernating rodents] Vinogradova MS, et al. **Arkh Anat Gistol Embriol** 70(3):62–5, Mar 76 (Eng. Abstr.) **(Rus)**

[Comparative angioarchitectonics of the kidneys of several rodents] Getmanova TN. **Zh Evol Biokhim Fiziol** 12(2):128–33, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

BLOOD

Seasonal changes in hemoglobin and erythrocyte indexes in microtus arvalis (Pallis, 1779). Rewkiewicz-Dziarska A. **Bull Acad Pol Sci [Biol]** 23(7):481–6, 1975

Seasonal changes in leukocyte indexes in Microtus arvalis (Pallas, 1779). Rewkiewicz-Dziarska A. **Bull Acad Pol Sci [Biol]** 23(7):475–80, 1975

Blood urea levels and erythrocyte fragility to isosmotic urea during hibernation and activity of Spermophilus tridecimlineatus. Chilian WM, et al. **Comp Biochem Physiol [A]** 54(4):433–5, 1976

Hemoglobin polymorphism in Microtus pennsylvanicus. Stratton LP, et al. **Comp Biochem Physiol [B]** 54(3):413–5, 1976

Induction of summer hibernation in the 13-lined ground squirrel shown by comparative serum transfusions from arctic mammals. Spurrier WA, et al. **Cryobiology** 13(3):368–74, Jun 76

Proceedings: Serum androgens in male and female Praomys (Mastomys) natelensis. Lewis JG, et al. **J Endocrinol** 68(3):27P, Mar 76

Effect of mating on plasma levels of LH and progesterone in montane voles (Microtus montanus). Gray GD, et al. **J Reprod Fertil** 47(1):89–91, May 76

Correlation of plasma LH and prolactin levels with the fate of the corpus luteum in the vole, Microtus agrestis. Milligan SR, et al. **J Reprod Fertil** 47(1):111–3, May 76

[Plasma Ca, Na, and K levels during the hibernation of hedgehogs, common dormice, and garden dormice] Hoo-Paris R, et al. **C R Soc Biol (Paris)** 169(4):946–53, 1975 (Eng. Abstr.) **(Fre)**

[Genetic interrelationships between 8 species of suslik (Citellus) based on the results of blood protein and isoenzyme electrophoresis] Sukernik RI. **Izv Akad Nauk SSSR [Biol]** (5):713–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Modification of the dye dilution technic for determining total blood volume marmots and rats Bieloshytskyĭ PV. **Fiziol Zh** 21(3):418–9, May–Jun 75 **(Ukr)**

CLASSIFICATION

Biochemical genetics of the Truei and Boylei groups of the genus Peromyscus (Rodentia). Zimmerman EG, et al. **Comp Biochem Physiol [B]** 52(4):541–5, 15 Dec 75

Hybridization in the Mexican and 13-lined ground squirrels, Spermophilus mexicanus and Spermoph lus tridecemlineatus. Zimmerman EG, et al. **Experientia** 32(6):704–6, 15 Jun 76

Systematic relationships of the four-toed populations of Dipodomys heermanni. Patton JL, et al. **J Mammal** 57(1):159–63, Feb 76

EMBRYOLOGY

Development of mouse-bank vole interspecific chimaeric embryos. Mystkowska ET. **J Embryol Exp Morphol** 33(3):731–44, Jun 75

Implantation and early postimplantation development of the bank vole Clethrionomys glareolus, Schreber. Ożdżeński W, et al. **J Embryol Exp Morphol** 35(3):535–43, Jun 76

GROWTH & DEVELOPMENT

Non-nurturent functions of mother-young interaction in the agouti (Dasyprocta punctata). Galef BG Jr, et al. **Behav Biol** 17(2):255–62, Jun 76

Stress and fluctuating limb asymmetry in various species of rodents. Siegel MI, et al. **Growth** 39(3):363–9, Sep 75

The influence of photoperiod on growth and sexual function in male and female collared lemmings (Dicrostonyx groenlandicus). Hasler JF, et al. **J Reprod Fertil** 46(2):323–9, Mar 76

IMMUNOLOGY

Natural resistance of an African rodent Praomys (Mastomys) natalensis to rabies infection. Mueller WW, et al. **Ann Microbiol (Paris)** 127(3):447–53, Apr 76

Immunization experiments using the rodent caries model. Smith DJ, et al. **J Dent Res** 55 Spec No:C193–205, Apr 76 (78 ref.)

METABOLISM

Thyroid activity in desert rodents: a mechanism for lowered metabolic rate. Yousef MK, et al. **Am J Physiol** 229(2):427–31, Aug 75

Topochemical and cytochemical studies on RNA content in the central nervous system of the active and hibernating ground squirrel, Citellus erythrogenys. Pevzner LZ, et al. **Brain Res** 108(1):205–11, 21 May 76

Seasonal changes in body composition of the arctic ground

squirrel, Citellus undulatus. Galster W, et al. **Can J Zool** 54(1):74–8, Jan 76

An evaluation of the tritiated water method for estimating body water in small rodents. Holleman DF, et al. **Can J Zool** 53(9):1376–8, Sep 75

Demographic consequences of artificial selection at the LAP locus in voles (Microtus townsendii). LeDuc J, et al. **Can J Zool** 53(12):1825–40, Dec 75

Water balance of small lactating rodents—II. Concentration and composition of milk of females on ad libitum and restricted water intakes. Baverstock PR, et al. **Comp Biochem Physiol [A]** 53(1):47–52, Jan 76

Metabolic rates of small homeotherms in a waterbath. Morhardt JE, et al. **Comp Biochem Physiol [A]** 52(2):355–7, 1 Oct 75

Mitochondrial membrane fatty acids of liver and heart of the euthermic and hibernating ground squirrel (Citellus tridecemlineatus). Platner WS, et al. **Comp Biochem Physiol [A]** 53(3):279–83, 1976

Absorption of sodium, potassium and water in the colon of the Norway lemming Lemmus lemmus (L.). Staaland H. **Comp Biochem Physiol [A]** 52(1):77–80, 1 Sep 75

The diurnal variation of neutral hepatic fructose 1,6-diphosphatase in partially inbred populations of rats and in outbred populations of Microtus montanus. Ashman PU, et al. **Comp Biochem Physiol [B]** 53(3):315–8, 1976

Absence of cold resistance in sarcoplasmic Ca--ATPase in a hibernating mammal. Becker JH, et al. **Comp Biochem Physiol [B]** 52(4):533–5, 15 Dec 75

The LDH of the frequently asphyxiated beaver (Castor fiber). Messelt EB, et al. **Comp Biochem Physiol [B]** 53(1):77–80, 1976

Age and seasonal differences in the synthesis and metabolism of testosterone by testicular tissue and pineal HIOMT activity of Uinta ground squirrels (Spermophilus armatus). Ellis LC, et al. **Gen Comp Endocrinol** 28(1):42–51, Jan 76

Adrenal steroid biosynthesis by two species of South American Rodents: Octodon degus and Abrocoma benetti. Galli SM, et al. **Gen Comp Endocrinol** 28(1):10–6, Jan 76

Late DNA replicaion of X chromosomes in female and pseudofemale cells of Microtus agrestis. Pera F, et al. **Humangenetik** 30(2):173–7, 6 Nov 75

A model of seasonal increase of lead in a food chain. pp. 387–93. Haye SN, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Energetic cost of locomotion in Australian hopping mice. Sawson TJ. **Nature** 259(5541):305–7, 29 Jan 76

[Enzymatic variations and phyletic relations among 9 species of Microtinae (Mammalia, Rodentia)] Graf JD, et al. **Rev Suisse Zool** 82(4):681–7, Dec 75 (Eng. Abstr.) **(Fre)**

[Annual cycle of the basal metabolism of hibernators] Kayser C. **Rev Suisse Zool** 82(1):65–76, May 75 (Eng. Abstr.) **(Fre)**

[Key points in the study of androgen biosynthesis--5 alpha-reduced androgen biosynthesis in the sex glands of young rodents] Matsumoto K, et al. **Clin Endocrinol (Tokyo)** 23(12):1177–84, Dec 75 **(Jpn)**

[The relationship between organ mass and the intensity of tissue respiration in rodents] Livchak GB. **Zh Obshch Biol** 36(3):462–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Comparative study in structure of myoglobins in semiaquatic animals: Castor fiber, Ondatra Zibethica, Lutra lutra] Sukhomlinov BF, et al. **Ukr Biokhim Zh** 47(3):175–9, May–Jun 75 (Eng. Abstr.) **(Ukr)**

MICROBIOLOGY

Multiplication of Mycobacterium tuberculosis and Mycobacterium bovis in Microtus agrestis (field vole). Jespersen A. **Acta Pathol Microbiol Scand [B]** 84(1):57–60, Feb 76

'White-wild' (variola-like) poxvirus strains from rodents in Equatorial Africa. Marennikova SS, et al. **Acta Virol (Praha)** 20(1):80–2, Feb 76

Isolation of La Crosse virus (California encephalitis group) from the chipmunk (Tamias striatus), an amplifier host. Gauld LW, et al. **Am J Trop Med Hyg** 24(6 Pt 1):999–1005, Nov 75

Comparative characteristics of three cytomegaloviruses from rodents. Kim KS, et al. **Am J Vet Res** 36(10):1495–500, Oct 75

The structure of rodent faunas associated with arenaviral infections. Arata AA, et al. **Bull WHO** 52(4–6):621–7, 1975

Recent isolations of Lassa virus from Nigerian rodents. Wulff H, et al. **Bull WHO** 52(4–6):609–13, 1975

Isolation of Icterohaemorrhagiae from Microtus monte belli trapped at the Nagaoka area, Niigata Prefecture in Japan. Kitaoka M, et al. **Int J Zoonoses** 2(2):100–4, Dec 75

Leptospirosis in small mammals of Iran: I. Serologic tests and isolation of Leptospira hebdomadis from Apodemus sylvaticus. Hooshmand-Rad P, et al. **J Wildl Dis** 12(1):34–8, Jan 76

Characterization of Whitney's Clethrionomy gapperi virus isolates from Massachusetts. Main AJ, et al. **J Wildl Dis** 12(2):154–64, Apr 76

Leptospira canicola isolated from Apodemus speciosus speciosus in Kyushu. Kitaoka M, et al. **Jpn J Med Sci Biol** 29(1):45–7, Feb 76

Isolation and in vitro characterization of a herpesvirus from ground squirrels (Citellus sp). Barahona H, et al. **Lab Anim Sci** 25(6):735–40, Dec 75

Tick-borne viruses in Estonia. Vassilenko V, et al. **Med Biol** 53(5):312–6, Oct 75

Dermatophytes and other keratinophilic fungi recovered from small mammals in India. Gugnani HC, et al. **Mykosen** 18(12):529–38, Dec 75

[The experimental plague in rodents in Brazil. Epidemiological deductions] Karimi Y, et al. **Bull Soc Pathol Exot** 67(6):591–601, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Study of the contamination by dermatophytes of a population of small wild mammals in Alsace] Mariat F, et al. **Mycopathologia** 58(2):71–8, 18 Jun 76 (Eng. Abstr.) **(Fre)**

[Resistance of the Salmonella used for deratization to some environmental factors] Omel'ianets TG. **Gig Sanit** (4):99–101, Apr 76 **(Rus)**

[Approximate assessment of the successfulness of bacteriological and serological methods of studying rodents in natural plague foci] Smirnova OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):129–33, Aug 75 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Microtus arvalis as the intermediate host of a coccidian from the kestrel (Falco tinnunculus). Cerná Z, et al. **Folia Parasitol (Praha)** 23(2):110, 1976

New host records and locations of Hepatojakarus bandicoti Sood et Parshad, 1973 (Trichostrongylidae: Nematoda). Parshad VR, et al. **Folia Parasitol (Praha)** 22(4):340, 1975

Ecological comparative analysis of parasite fauna of Rutilus rutilus L. and Coregonus albula L. from waters of the European part of the Arctic Ocean Province. Rumyantsev EA. **Folia Parasitol (Praha)** 22(4):337–40, 1975

Ultrastructure of Sarcocystis booliati Dissanaike and Poopalachelvam, 1975 from the moonrat, echinosorex gymnurus, in Malaysia. Kan SP, et al. **Int J Parasitol** 6(4):321–6, Aug 76

Isolation of Icterohaemorrhagiae from Microtus montebelli trapped at the Nagaoka area, Niigata Prefecture in Japan. Kitaoka M, et al. **Int J Zoonoses** 2(2):100–4, Dec 75

European suslik as a possible carrier of plague in natural foci in eastern Europe. Akiev AK, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):82–90, 1976

Dichlorvos bait for control of fleas on wild rodents. Cole MM, et al. **J Med Entomol** 12(6):625–30, 20 Feb 76

Ectoparasites in two diverse habitats in western Oregon. II. Chiggers (Acari: Trombiculidae). Easton ER. **J Med Entomol** 12(3):295–8, 25 Sep 75

Three new species of Radfordia (Myobiidae: Acarina) from rodents (Muridae & Cricetidae). Jameson EW Jr, et al. **J Med Entomol** 12(3):341–4, 25 Sep 75

A review of the Geomydoecus texanus complex (Mallophaga: Trichodectidae) from Geomys and Pappogeomys (Rodentia: Geomyidae). Price RD, et al. **J Med Entomol** 12(4):401–8, 31 Oct 75

The Geomydoecus (Mallophaga: Trichodectidae) from the hispid pocket gopher (Rodentia: Geomyidae). Price RD, et al. **J Med Entomol** 12(6):695–700, 20 Feb 76

Trichuris bradleyi sp. n., a whipworm from Octodon degus in Chile. Babero BB, et al. **J Parasitol** 61(6):1061–3, Dec 75

Cruorifilaria tuberocauda gen. et sp. n. (Nematoda: Filarioidea) from the capybara, Hydrochoerus hydrochaeris in colombia. Eberhard ML, et al. **J Parasitol** 62(4):604–7, Aug 76

Ackertia globulosa sp. n. (Nematoda: Filarioidea) from rodents in Kenya. Muller RL, et al. **J Parasitol** 61(4):606–9, Aug 75

Insular biogeography: of mice and mites. Dritschilo W, et al. **Science** 190(4213):467–9, 31 Oct 75

Title: Malarial oöcysts in Culicoides sp. in Darjeeling. Dasgupta B, et al. **Trans R Soc Trop Med Hyg** 70(1):89, 1976

[Ecology and ethology of Ixodes ricinus L. in Switzerland. II. comparison of the populations 1972 and 1973] Mermod C, et al. **Acarologia** 16(4):612–20, Apr 75 (Eng. Abstr.) **(Fre)**

[Four new species of heligmosome nematodes, intestinal parasites of a Malyan Trichys lipura Günther; comparison with the Congolese fauna of Atherurs] Durette-Desset MC, et al. **Ann Parasitol Hum Comp** 50(4):477–91, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Helminths of birds and of mammals of Israel. V. New or little known Spirurides] Quentin JC, et al. **Ann Parasitol Hum Comp** 50(1):63–85, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Helminths of birds and mammals from Israel. VI. The taxonomy and ecology of Trichostrongylid Nematodes (author's transl)] Wertheim G, et al. **Ann Parasitol Hum Comp** 50(6):735–62, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Ticks on lemmings in the eastern Taimyr] Bogdanov II. **Parazitologiia** 9(6):522–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Gamasid ticks from voles in teh Tatar Republic] Sadekova IKh. **Parazitologiia** 10(3):279–82, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Seasonal changes in pituitary prolactin and growth hormone content of field voles in different reproductive states (Microtus arvalis Pall., Rodentia). Vadász C. **Acta Biol Acad Sci Hung** 25(3):227–9, 1974

Species differences in response to renal ischemia. Craddock GN. **Arch Surg** 111(5):582–4, May 76

Rodent sex differences in emotional and related behavior. Archer J. **Behav Biol** 14(4):451–79, Aug 75 (146 ref.)

Observations of the mating behavior of the bank vole, Clethrionomys glareolus. Christiansen E, et al. **Behav Biol** 17(2):263–6, Jun 76

Effects of familiarity on agonistic encounter behavior in male degus (Octodon degus). Davis TM. **Behav Biol** 14(4):511–7, Aug 75

The effects of exposure to conspecific urine on urine-marking in male and female degus (Octodon degus). Kleiman DG. **Behav Biol** 14(4):519–26, Aug 75

Interspecific aggression between Peromyscus and Microtus females: a possible factor in competitive exclusion. Rowley MH, et al. **Behav Biol** 16(4):521–5, Apr 76

The amplitude and period of circannual cycles of body weight in golden-mantled ground squirrels with medial hypothalamic lesions. Mrosovsky N. **Brain Res** 99(1):97–116, 28 Nov 75

Norepinephrine thermogenesis in seasonally acclimatized and cold acclimated red-backed voles in Alaska. Feist DD, et al. **Can J Physiol Pharmacol** 54(2):146–53, Apr 76

Cold acclimation in arctic lemmings. Berberich JJ, et al. **Comp Biochem Physiol [A]** 54(2):175–8, 1976

Thermoregulatory responses in the plains pocket gopher, Geomys bursarius. Bradley WG, et al. **Comp Biochem Physiol [A]** 52(1):35–8, 1 Sep 75

Ultrasound and communication in rodents. Brown AM. **Comp Biochem Physiol [A]** 53(4):313–7, 1976

The effect of exogenic thyroxine on activity of the thyroid gland, blood serum proteins and leukocytes in the common vole Microtus arvalis, Pallas. Dobrowolska A, et al. **Comp Biochem Physiol [A]** 53(4):323–6, 1976

Comparative hypoxic tolerance in the Sciuridae. Faleschini RJ, et al. **Comp Biochem Physiol [A]** 52(1):217–21, 1 Sep 75

Oxygen consumption and development of thermoregulation in young Eutamias panamintinus and Eutamias palmeri. Hirshfeld JR, et al. **Comp Biochem Physiol [A]** 55(1):89–90, 1976

Energy budget of the eastern chipmunk (Tamias striatus): convective heat loss. Neal CM. **Comp Biochem Physiol [A]** 54(2):157–60, 1976

Relationship of light intensity and photoperiod to circannual rhythmicity in the hibernating ground squirrel, Citellus lateralis. Pengelley ET, et al. **Comp Biochem Physiol [A]** 53(3):273–7, 1976

A biotelemetry study of the thermoregulatory patterns of Tamias striatus and Eutamias minimus during hibernation. Pivorun EB. **Comp Biochem Physiol [A]** 53(3):265–71, 1976

Ontogeny of homeothermy in Microtus pennsylvanicus and Octodon degus. Rosen RC. **Comp Biochem Physiol [A]** 52(4):675–9, 1 Dec 75

The rate of oxygen consumption, carbon dioxide production, and evaporative water loss in Dipodomys panamintinus. Scelza J, et al. **Comp Biochem Physiol [A]** 52(2):339–41, 1 Oct 75

Food self-selection during spontaneous body weight variations in the dormouse (Glis glis L.). Schaefer A, et al. **Comp Biochem Physiol [A]** 55(2a):115–8, 1976

Thermoregulation and water requirements in semiarid and montane populations of the least chipmunk, Eutamias minimus–II. Water balance. Willems NJ, et al. **Comp Biochem Physiol [A]** 52(1):109–20, 1 Sep 75

Thermoregulation and water requirements in semiarid and montane populations of the least chipmunk, Eutamias minimus–III. Acclimatization at a high ambient temperature. Willems NJ, et al. **Comp Biochem Physiol [A]** 52(1):121–8, 1 Sep 75

Hibernation and disuse osteoporosis. Zimmerman GD, et al. **Cryobiology** 13(1):84–94, Feb 76

Insulin secretion in the spiny mouse (Acomys cahirinus). Dose and time kinetic studies with glucose in vivo and in vitro. Rabinovitch A, et al. **Diabetes** 24(12):1094–100, Dec 75

Locomotory energetics in a marsupial (Antechinomys spenceri) and a rodent (Notomys alexis). Baudinette RV, et al. **Experientia** 32(5):583–5, 15 May 76

The effect of successive matings upon bank vole (Clethrionomys glareolus) and vole (Microtus agrestis) ovaries. pp 160–70. Clarke JR, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

Experimental models of behavioral–physiological interactions in social chronobiology. pp. 576–81. Andrews RV.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Endogenous mechanisms for the synchronization of corticosteroid production and seasonal rhythms in hibernating mammals. pp. 136–7. Kolpakov MG, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Respiratory adaptations in burrowing pocket gophers from sea level and high altitude. Lechner AJ. **J Appl Physiol** 41(2):168–73, Aug 76

Scotopic and photopic vision in the California ground squirrel: physiological and anatomical evidence. Jacobs GH, et al. **J Comp Neurol** 165(2):209–27, 15 Jan 76

Placental lactogen (chorionic mammotrophin) in the field vole, Microtus agrestis, and the bank vole, Clethrionomys

glareolus. Forsyth IA, et al. **J Endocrinol** 70(1):19–23, Jul 76

Daily activity and body temperature of the southern woodchuck, Marmota monax monax, in northwestern Arkansas. Hayes SR. **J Mammal** 57(2):291–9, May 76

Energy equivalents for sixteen species of xeric rodents. Kaufman DW, et al. **J Mammal** 56(4):946–9, Nov 75

Proceedings: Aspects of reproductive physiology of the vole. Charlton HM, et al. **J Physiol (Lond)** 252(2):11P–12P, Nov 75

Tolerance of one species of jerboa (Jaculus orientalis) to prolonged exposure to deep hypothermia. Andjus RK, et al. **J Physiol (Paris)** 68(5):531–42, 1974

Plasma and pituitary levels of LH in field voles, Microtus arvalis, reared under two different photoperiods. Martinet L, et al. **J Physiol (Paris)** 70(5):539–47, Dec 75

Duration of spermatogenesis in the vole (Microtus agrestis) and bank vole (Clethrionomys glareolus). Grocock CA, et al. **J Reprod Fertil** 47(1):133–5, May 76

Adpatations for urinary marking in rodents: prepuce length and morphology. Maruniak JA, et al. **J Reprod Fertil** 44(3):567–70, Sep 75

Further observations on the influence of the social environment on ovulation in the vole, Microtus agrestis. Milligan SR. **J Reprod Fertil** 44(3):543–4, Sep 75

Pregnancy blocking in the vole, Microtus agrestis. II. Ovarian, uterine and vaginal changes. Milligan SR. **J Reprod Fertil** 46(1):97–100, Jan 76

Pregnancy blocking in the vole, Microtus agrestis. I. Effect of the social environment. Milligan SR. **J Reprod Fertil** 46(1):91–5, Jan 76

Permanent outdoor housing for woodchucks, Marmota monax. Albert TF, et al. **Lab Anim Sci** 26(3):415–8, Jun 76

Breeding and reproduction of fifteen wild rodents maintained as laboratory colonies. Morrison P, et al. **Lab Anim Sci** 26(2 Pt I):237–43, Apr 76

Copulatory behavior of pine voles (Microtus pinetorum). Dewsbury DA. **Percept Mot Skills** 43(1):91–4, Aug 76

Septal lesions in meadow voles and mongolian gerbils: consummatory and investigatory behavior. Laughlin ME, et al. **Physiol Behav** 15(2):191–8, Aug 75

Consummatory behavior in meadow voles (Microtus pennsylvanicus) and mongolian gerbils (Meriones unguiculatus). Laughlin ME, et al. **Physiol Behav** 15(2):185–9, Aug 75

Diversity and adaptation in rodent copulatory behavior. Dewsbury DA. **Science** 190(4218):947–54, 5 Dec 75

Peromyscus: effect of early pairing on reproduction. Hill JL. **Science** 186(4168):1042–4, 13 Dec 74

Circadian oscillations in rodents: a systematic increase of their frequency with age. Pittendrigh CS, et al. **Science** 186(4163):548–50, 8 Nov 74

Rods in the antelope ground squirrel. Fisher SK, et al. **Vision Res** 16(8):875–7, 1976

[Effects of sleep on ovary development during hibernation and aestivation in the dormouse (Eliomys quercinus L.)(author's transl)] Richoux JP, et al. **Ann Endocrinol (Paris)** 36(1):1–12, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Rate of water renewal and water balance in 2 desert rodents Meriones shawii and Meriones libycus, studied in their natural environment in Tunisia] Bradshaw D, et al. **C R Acad Sci [D] (Paris)** 282(5):481–4, 2 Feb 76 **(Fre)**

[Role of the season and of the nutritonnal state on the distribution of tissular fatty acids in the hibernating dormouse (Eliomys quercinus L.)] Ambid L, et al. **C R Soc Biol (Paris)** 169(6):1609–16, 1975 (Eng. Abstr.) **(Fre)**

[Morphometric data on pineal gland of loir (Glis glis) and lerot (Eliomys quercinus) during the annual cycle] Legait H, et al. **C R Soc Biol (Paris)** 169(1):132–6, 1975 (Eng. Abstr.) **(Fre)**

[Circannual variations in body weight regulation in the dormouse Glis glis] Schaefer A, et al. **C R Soc Biol (Paris)** 168(10–11–12):1428–31, 1974 (Eng. Abstr.) **(Fre)**

[How the circannual sexual cycle of the malefield vole is determined (author's transl)] Delost P, et al. **J Physiol (Paris)** 70(5):521–32, Dec 75 (Eng. Abstr.) **(Fre)**

[Seasonal fluctuations of food intake and bodyweight in the dormouse Glis glis (author's transl)] Schaefer A, et al. **J Physiol (Paris)** 70(5):649–58, Dec 75 (Eng. Abstr.) **(Fre)**

[Hibernal reproduction in Arvicola terrestris scherman Shaw (Mammalia, Rodentia)] Meylan A, et al. **Rev Suisse Zool** 82(4):689–94, Dec 75 (Eng. Abstr.) **(Fre)**

[Physical factors in animal experiments for testing antimasspsychotic drugs] Asteridis H, et al. **Arzneim Forsch** 25(9):1463–5, Sep 75 **(Ger)**

[State of the epiphysis during winter hibernation] Popova NK, et al. **Biull Eksp Biol Med** 79(4):116–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Seasonal rhythms of functional activity of the adrenocorticotropic function of the red-cheeked suslik hypophysis] Drass PM, et al. **Dokl Akad Nauk SSSR** 225(2):474–6, 11 Nov 75 **(Rus)**

[Respiration and oxidative phosphorylation in liver mitochondria of voles with different degrees of specialization in conditions of extreme cold and acclimatization] Runkova GG, et al. **Dokl Akad Nauk SSSR** 223(3):734–6, 21 Jul 75 **(Rus)**

[Effect of serotonin on body rewarming during awakening from hibernation] Popova NK, et al. **Patol Fiziol Eksp Ter** (6):72–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Heat production in the ground squirrel Citellus pygmaeus during arousal from hibernation] Daudova GM. **Zh Evol Biokhim Fiziol** 11(2):147–52, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Adaptive evolution of osmoregulation in rodents with different ecologies] Ivanova LN, et al. **Zh Evol Biokhim Fiziol** 11(6):588–93, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Responses of nervous elements of the visual cortex of the chipmunk Eutamias sibiricus to moving and stationary stimuli] Polkoshnikov EV. **Zh Evol Biokhim Fiziol** 11(4):395–401, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Some blood respiratory function indices and the glycolytic processes in the tissues of heterothermal and homoiothermal rodents in acute hypoxic hypoxia] Shumitskaia NM. **Fiziol Zh** 22(3):328–34, MAR–APR 76 (Eng. Abstr.) **(Ukr)**

ULTRASTRUCTURE

The fine structure of the trophospongial layer of the kangaroo rat placenta. Tibbitts FD, et al. **Anat Rec** 183(4):567–78, Dec 75

RODS AND CONES

see related

RETINAL PIGMENTS

The electroretinogram in dogs with inherited cone degeneration. Aguirre GD, et al. **Invest Ophthalmol** 14(11):840–7, Nov 75

Degradation of rod outer segment proteins by cathepsin D. Hayasaka S, et al. **J Biochem (Tokyo)** 78(6):1365–7, Dec 75

A simple method of differentiating the cone and rod responses in the ERG. Kooijman AC, et al. **Ophthalmologica** 171(4–5):328–31, 1975

[Changes in the magnetic anisotropism of the external segments of rods during photolysis of rhodopsin] Chagneux R, et al. **C R Acad Sci [D] (Paris)** 282(10):1049–52, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Lateral diffusion of rhodopsin in photoreceptor membranes of Rana ridibunda rods] Agroskin AS, et al. **Dokl Akad Nauk SSSR** 224(4):956–9, 1 Oct 75 **(Rus)**

ANALYSIS

Further studies on the chemistry of photoreceptor membranes of rats fed an essential fatty acid deficient diet. Dudley PA, et al. **Exp Eye Res** 21(6):523–30, Dec 75

Intracellular retinol-binding proteins from bovine pigment epithelial and photoreceptor cell fractions. Purification of high molecular weight lipoglycoproteins. Heller J. **J Biol Chem** 251(10):2952–7, 25 May 76

Gangliosides in frog retinal rod outer segment membranes. Hess HH, et al. **J Neurochem** 26(3):621–3, Mar 76

Vitamin A1/A2-based visual pigment mixtures in cones of the rudd. Loew ER, et al. **Vision Res** 16(9):891–6, 1976

Part I: Presumptive cone pigments extracted from tropical marine fishes. Munz FW, et al. **Vision Res** 15:1045–62, Oct 75

The density of human rhodopsin in the rods. Zwas F, et al. **Vision Res** 16(2):121–7, 1976

[Data on the structure of the outer rod segments obtained by x-ray diffraction] Chirieri E. **Rev Chir [Oftalmol]** 19(4):249–54, Oct–Dec 75 **(Rum)**

[Some quantitative characteristics of the frog retinal rod outer segments] Govardovskii VI, et al. **Tsitologiia** 27(5):524–9, May 75 **(Rus)**

[Method of determining visual pigments in situ and their study in some vertebrates] Govardovskii VI. **Zh Evol Biokhim Fiziol** 11(4):346–52, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The receptor mosaic of Aotes trivirgatus: distribution of rods and cones. Ogden TE. **J Comp Neurol** 163(2):193–202, 15 Sep 75

CYTOLOGY

Rod disc turnover in the dog. Buyukmihci N, et al. **Invest Ophthalmol** 15(7):579–84, Jul 76

Survival of some photoreceptor cells in albino rats following long-term exposure to continuous light. La Vail MM. **Invest Ophthalmol** 15(1):64–70, Jan 76

Cone structure and visual pigment content in the retina of the goldfish. Stell WK, et al. **Vision Res** 16(6):647–57, 1976

Differentiation of photoreceptor cells and morphogenetic function of biomembranes. Vinnikov YA. **Z Mikrosk Anat Forsch** 88(4):759–73, 1974

DRUG EFFECTS

Biochemical aspects of the visual process. XXIX. Effect of pronase on rod outer segment membranes and rhodopsin. Van Breugel PJ, et al. **Exp Eye Res** 22(4):315–324, 21

EMBRYOLOGY

Non-randomness in the sequential formation of principal cones in small areas of the developing chick retina. Morris VB. **J Comp Neurol** 164(1):95–104, 1 Nov 75

ENZYMOLOGY

Superoxide dismutase of bovine and frog rod outer segments. Hall MO, et al. **Biochem Biophys Res Commun** 67(3):1199–204, 1 Dec 75

Cyclic nucleotide phosphodiesterase of retinal photoreceptors. Partial purification and some properties of the enzyme. Coquil JF, et al. **Biochim Biophys Acta** 403(2):425–37, 22 Oct 75

Cyclic nucleotide phosphodiesterases associated with bovine retinal outer-segment fragments. Manthorpe M, et al. **Biochim Biophys Acta** 403(2):438–45, 22 Oct 75

Biochemical aspects of the visual process. XXXI. Chemical modification studies on rod outer segment retinol dehydrogenase. DE Grip WJ, et al. **Exp Eye Res** 21(6):549–55, Dec 75

Protein kinases and protein phosphorylation in the rod outer segment. pp. 251–2. Pannbacker RG. **In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.**

Purification and properties of the light-activated cyclic nucleotide phosphodiesterase of rod outer segments. Miki N, et al. **J Biol Chem** 250(16):6320–7, 25 Aug 75

Guanylate cyclase in vertebrate retina:evidence for specific association with rod outer segments. Virmaux N, et al. **J Neurochem** 26(1):233–5, JAN 76

[Distribution of Na+, K+-ATPase and Mg+-ATPase in different subfractions of rod outer segments] Berman AL. **Biokhimiia** 40(3):659–62, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Localization of several rhodopsin regeneration enzymes in retinal rods] Ostapenko IA, et al. **Tsitologiia** 17(8):947–53, Aug 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Experimental allergic uveitis: induction by retinal rod outer segments and pigment epithelium. Meyers RL. **Mod Probl Ophthalmol** 16:41–50, 1976

METABOLISM

Accumulation of calcium by retinal outer segments. Hemminki K. **Acta Physiol Scand** 95(1):117–25, Sep 75

Visual cells and the concept of renewal. Young RW. **Am J Med Sci** 272(1):700–25, Jul–Aug 76

Effect of phospholipid removal on the kinetics of the metarhodopsin I to metarhodopsin II reaction. Stewart JG, et al. **Arch Biochem Biophys** 172(1):246–51, Jan 76

Cyclic GMP: control of concentration by light in retinal photoreceptors. Fletcher RT, et al. **Biochem Biophys Res Commun** 70(4):1297–302, 21 Jun 76

Differential phosphorylation by GTP and ATP in isolated rod outer segments of the retina. Chader GJ, et al. **Biochemistry** 15(8):1615–20, 20 Apr 76

Retinal alterations induced by continuous light in immature rats. II. Zinc iodide–osmium tetroxide (ZIO) reactive sites in the rod outer segments. Pellegrino de Iraldi A, et al. **Cell Tissue Res** 166(2):213–8, 12 Feb 76

The binding of concanavalin A to the rod outer segments and pigment epithelium of normal and RCS rats. Hall MO, et al. **Exp Eye Res** 22(5):469–76, May 76

Tunable laser resonance Raman spectroscopic investigations of the transduction process in vertebrate rod cells. Lewis A. **Fed Proc** 35(1):51–3, Jan 76

Application of histochemistry to a living organ: polyglucose histochemically synthesized in the paraboloid of the chick accessory cone in vivo by phosphorylase and branching glycosyltransferase. Amemiya T, et al. **Histochemistry** 47(2):125–31, 28 May 76

Calcium as a transmitter in photoreceptor cells. pp. 59–88. Bonting SL, et al. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.**

Essential fatty acid deficiency and renewal of rod outer segments in the albino rat. Anderson RE, et al. **Invest Ophthalmol** 15(3):232–6, Mar 76

Biochemical correlates of adaptation processes in isolated frog photoreceptor membranes. Brodie AE, et al. **J Gen Physiol** 68(1):1–11, Jul 76

Spectral relations of cone pigments in goldfish. Hárosi FI. **J Gen Physiol** 68(1):65–80, Jul 76

The formation of metarhodospin380 in the retinal rods of the frog. Baumann C. **J Physiol (Lond)** 259(2):357–66, Jul 76

On the metabolism of the rod outer segments. Carretta A, et al. **J Physiol (Lond)** 257(3):687–97, Jun 76

A scanning electron microscope study of concanavalin A receptors on retinal rod cells labeled with latex microspheres. Molday RS. **J Supramol Struct** 4(4):549–57, 1976

[Spontaneous and induced autoxidation of phospholipids during conformational rearrangements in outer segment membranes of frog retinal rods] Kagan VE, et al. **Biofizika** 20(6):1043–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Protein-lipid interactions during lipid peroxidation in photoreceptor membranes] Novikov KN, et al. **Biofizika** 20(6):1039–42, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Change in the activity of calcium ions during illumination of a suspension of visual cell outer segment fragments] Shevchenko TF. **Biofizika** 21(2):321–3, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A proposed link between debris accumulation, guanosine 3', 5' cyclic monophosphate changes and photoreceptor cell degeneration in retina of RCS rats. Lolley RN, et al. **Exp Eye Res** 22(5):477–86, May 76

Cone dysfunctions in man. Carr RE, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP653–8, Jul–Aug 76

Cone–rod dystrophy in the Guinea baboon. Vainisi SJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP725–30, Jul–Aug 76

[See–saw nystagmus and cone degeneration] Rych K. **Klin Monatsbl Augenheilkd** 165(6):930–5, Dec 74 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Marked accommodation, retinal stretch, monocular space perception and retinal receptor orientation. Enoch JM. **Am J Optom Physiol Opt** 52(6):376–92, Jun 75

Central nervous system: afferent mechanisms. Rodieck RW. **Annu Rev Physiol** 33:203–40, 1971 (207 ref.)

Rod and cone sensitivity in destriate monkeys. Leporé F, et al. **Brain Res** 93(2):203–21, 8 Aug 75

Transmission of signals from photoreceptors to ganglion cells in the eye of the turtle. Baylor DA, et al. **Cold Spring Harbor Symp Quant Biol** 40:529–36, 1975

A light–induced conformational change in rod photoreceptor disc membrane. Asai H, et al. **Exp Eye Res** 21(3):259–67, Sep 75

Behavioral and electrophysiological changes in visual sensitivity following prolonged exposure to constant light. Weizenbaum F, et al. **Exp Neurol** 48(3 Pt 1):440–6, Sep 75

The function of intraocular color filters. Wolbarsht ML. **Fed Proc** 35(1):44–50, Jan 76

Role of cyclic nucleotides in photoreceptor function. pp. 27–58. Goridis C, et al. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.**

Molecular aspects of visual reception in vertebrates. pp. 391–410. Daemen FJ. **In: Burton RM, Packer L, ed. Biomembranes: lipids, proteins and receptors. Webster Groves, Mo., BI–Science Publications, 1975. QH 601 N12b 1974.** (58 ref.)

Synaptic activity of frog retinal photoreceptors. A peroxidase uptake study. Schacher S, et al. **J Cell Biol** 70(1):178–92, Jul 76

Light–sensitive swelling of isolated frog rod outer segments as an in vitro assay for visual transduction and dark adaptation. Bownds D, et al. **J Gen Physiol** 66(4):407–25, Oct 75

Intracellular recordings from gecko photoreceptors during light and dark adaptation. Kleinschmidt J, et al. **J Gen Physiol** 66(5):617–48, Nov 75

Diminution and enlargement of the mosquito rhabdom in light and darkness. White RH, et al. **J Gen Physiol** 65(5):583–98, May 75

Sinusoidal flicker characteristcis of primate cones in response to heterochromatic stimuli. Boynton RM, et al. **J Opt Soc Am** 65(10):1091–100, Oct 75

Anomalous disperison of rhodopsin in rod outer segments of the frog. Jagger WS, et al. **J Opt Soc Am** 66(1):56–9, Jan 76

Functional characteristics of lateral interactions between rods in the retina of the snapping turtle. Copenhagen DR, et al. **J Physiol (Lond)** 259(2):251–82, Jul 76

Interactions of rod and cone signals in the mudpuppy retina. Fain GL. **J Physiol (Lond)** 252(3):735–69, Nov 75

The dark adaptation curve of rods measured by their after–image. Gosline CJ, et al. **J Physiol (Lond)** 259(2):491–9, Jul 76

Effects of external ions on the synaptic transmission from photoreceptors to horizontal cells in the carp retina. Kaneko A, et al. **J Physiol (Lond)** 252(2):509–22, Nov 75

Proceedings: Isolation of rod and cone contribution to pattern vision. Kranda K, et al. **J Physiol (Lond)** 257(1) May 76

Proceedings: Some properties of the blue cone mechanism of the eye. Mollon JD, et al. **J Physiol (Lond)** 254(1):1P–2P, Jan 76

Proceedings: Transient tritanopia: evidence for interaction between colour mechanisms. Mollon JD, et al. **J Physiol (Lond)** 254(1):66P–67P, Jan 76

Cancellation of rod signals by cones, and cone signals by rods in the cat retina. Rodieck RW, et al. **J Physiol (Lond)** 254(3):775–85, Jan 76

Isolation of rod and cone contributions to cat ganglion cells by a method of light exchange. Rodieck RW, et al. **J Physiol (Lond)** 254(3):759–73, Jan 76

Electrical properties of the rod syncytium in the retina of the turtle. Schwartz EA. **J Physiol (Lond)** 257(2):379–406, May 76

Absolute sensitivity of rod bipolar cells in a dark–adapted retina. Ashmore JF, et al. **Nature** 263(5574):248–9, 16 Sep 76

Colour illusion and evidence for interaction between cone mechanisms. Mollon JD, et al. **Nature** 258(5534):421–2, 4 Dec 75

Rod–cone mechanism underlying the Purkinje shift. Palmer DA. **Nature** 262(5569):601–3, 12 Aug 76

Rod involvement in peripheral color processing. Ambler BA, et al. **Scand J Psychol** 17(2):142–8, 1976

Double branched flicker fusion curves from the all–rod skate retina. Green DG, et al. **Science** 188(4193):1120–2, 13 Jun 75

Color receptor identities of goldfish cones. Marc RE, et al. **Science** 191(4226):487–9, 6 Feb 76

Locus of short–term visual storage. Sakitt B. **Science** 190(4221):1318–9, 26 Dec 75

Rod–cone independence in dark adaptation. Bruch TA. **Vision Res** 16(6):591–600, 1976

Rods in the antelope ground squirrel. Fisher SK, et al. **Vision Res** 16(8):875–7, 1976

Rod–cone interaction in the after–flash effect. Foster DH. **Vision Res** 16(4):393–6, 1976

The sites of generation of early and late receptor potentials in rods. Govardovskiĭ VI. **Vision Res** 15:973–80, Aug–Sep 75

Effects of rhodopsin and its photoproducts on the late receptor potential of the isolated frog retina. Hanawa I, et al. **Vision Res** 15(12):1303–10, Dec 75

Effects of intense visible radiation on the increment–threshold spectral sensitivity of the rhesus monkey eye. Harwerth RS, et al. **Vision Res** 15(11):1193–204, Nov 75

Saturation of rod pools in cat. Lennie P, et al. **Vision Res** 16(9):935–40, 1976

Two short wavelength sensitive cone systems in pigeon, chicken and daw. Norren DV. **Vision Res** 15:1164–6, Oct 75

Transfer properties of rod and cone cells in the retina of the tiger salamander. Pasino E, et al. **Vision Res** 16(4):381–6, 1976

The decay of long–lived photoproducts in the isolated bullfrog rod outer segment: relationship to other dark reactions. Paulsen R, et al. **Vision Res** 15(12):1325–32, Dec 75

Blue cone function in the retina of the cat. Rabin AR, et al. **Vision Res** 16(8):799–801, 1976

Which two lights that match for cones show the greatest ratio for rods? Rodieck RW. **Vision Res** 16(3):303–7, 1976

Scotopic contrast hues triggered by rod activity. Stabell U, et al. **Vision Res** 15:1115–8, Oct 75

The effect of rod activity on colour matching functions. Stabell U, et al. **Vision Res** 15:1119–23, Oct 75

Rod response to sinusoidally flickering light. Toyoda J, et al. **Vision Res** 15:981–3, Aug–Sep 75

The scotopic Stiles–Crawford effect. Van Loo JA Jr, et al. **Vision Res** 15:1005–9, Aug–Sep 75

The 'fluttering heart' and spatio–temporal characteristics of color processing–III. Interactions between the systems of the rods and the long–wavelength cones. Von Grünau MW. **Vision Res** 16(4):397–401, 1976

Cone input to bipolar cells in the turtle retina. Yazulla S. **Vision Res** 16(7):737–44, 1976

Cone input to horizontal cells in the turtle retina. Yazulla S. **Vision Res** 16(7):727–35, 1976

Studies on fragments of rod outer segments from bovine retinas. Karan HI, et al. **Z Naturforsch [C]** 30(6):796–9, Nov–Dec 75

[Determination of magnetic susceptibility tensor of rod outer segment of frog retina by microscopic method] Chagneux–Costa H. **C R Acad Sci [D] (Paris)** 281(20):1509–12, 17 Nov 75 **(Fre)**

[Electroretinogram in the nocturnal Prosimian Perodicticus potto] Faidherbe J, et al. **C R Soc Biol (Paris)** 169(6):1641–3, 1975 (Eng. Abstr.) **(Fre)**

[Biophysics of vision] Stieve H. **Naturwissenschaften** 62(9):425–33, Sep 75 (Eng. Abstr.) **(Ger)**

[Contribution of the cone system to the P III of the albino rabbit electroretinogram (author's transl)] Yonemura D, et al. **Acta Soc Ophthalmol Jpn** 79(5):462–7, 10 May 75 (Eng. Abstr.) **(Jpn)**

[Reactions of frog retinal rods to light] Gusel'nikov VI, et al. **Neirofiziologiia** 7(1):84–92, 1975 **(Rus)**

PHYSIOPATHOLOGY

Progressive human cone–rod dysfunction (dystrophy). Fishman GA. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP716–24, Jul–Aug 76

Psychophysical correlates of photoreceptor activity. Sakitt B. **Vision Res** 16(2):129–40, 1976

[Rod and cone activity in clinical electroretinography] Niemeyer G. **Ophthalmologica** 172(2–3):175–80, 1976 **(Ger)**

[Early receptor potential (ERP) of a typical monochromat (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 79(6):534–9, 10 Jun 75 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Energetics of primary processes in visula escitation: photocalorimetry of rhodopsin in rod outer segment membranes. Cooper A, et al. **Biochemistry** 15(14):2970–8, 13 Jul 76

ULTRASTRUCTURE

Microviscosity of the hydrocarbon region of the bovine retinal rod outer segment disk membrane determined by fluorescent probe measurements. Stubbs GW, et al. **Biochemistry** 15(13):2766–72, 29 Jun 76

Fluid lipid fraction in rod outer segment membrane. Pontus M, et al. **Biochim Biophys Acta** 401(2):221–30, 20 Aug 75

An analysis of lamellar x–ray diffraction from disordered membrane multilayers with application to data from retinal rod outer segments. Schwartz S, et al. **Biophys J** 15(12):1201–33, Dec 75

The sensory cilium of retinal rods is analogous to the transitional zone of motile cilia. Röhlich P. **Cell Tissue Res** 161(3):421–30, 25 Aug 75

Receptor coupling in the toad retina. Fain GL, et al. **Cold Spring Harbor Symp Quant Biol** 40:547–61, 1975

Ultrastructural analysis of functional changes in the synaptic endings of turtle cone cells. Schaeffer SF, et al. **Cold Spring Harbor Symp Quant Biol** 40:521–28, 1975

Rhodopsin in the rod outer segment plasma membrane. Basinger S, et al. **J Cell Biol** 69(1):29–42, Apr 76

The photoreceptors of diurnal squirrels: outer segment structure, disc shedding, and protein renewal. Anderson DH, et al. **J Ultrastruct Res** 55(1):119–41, Apr 76

Novel cones in the retina of the anchovy (Anchoa). Fineran BA, et al. **J Ultrastruct Res** 54(2):296–303, Feb 76

Cytoplasmic fibrils of the connecting cilium. Matsusaka T. **J Ultrastruct Res** 54(2):318–24, Feb 76

Light–induced formation of dense–core vesicles in rod photoreceptors in retina of Xenopus laevis. Monaghan P, et al. **Nature** 257(5527):586–7, 16 Oct 75

Neutron diffraction studies of retinal rod outer segment membranes. Saibil H, et al. **Nature** 262(5566):266–70, 22 Jul 76

Opsin structure probed by raman spectroscopy of photoreceptor membranes. Rothschild KJ, et al. **Science** 191(4232):1176–8, 19 Mar 76

Goldfish retina: functional polarization of cone horizontal cell dendrites and synapses. Stell WK, et al. **Science** 190(4218):989–90, 5 Dec 75

[An original aspect of the rod visual cell in the carp (Cyprinus carpio)] Fontaine MM. **C R Acad Sci [D] (Paris)** 281(22):1725–8, Dec 75 **(Fre)**

[Electron microscopic studies on the retina of the honey bee (Apis mellifica): II. Investigations on reactions of the fine structure of the rhabdomeric tubuli after exposure to various experimental influences, especially to light of different wavelength (author's transl)] Grundler OJ. **Microsc Acta** 77(3):241–58, Sep 75 (Eng. Abstr.) **(Ger)**

[Glycogen in the inner segment of the accessory cone of the chick retina (author's transl)] Amemiya T. **Acta Soc Ophthalmol Jpn** 79(6):556–61, 10 Jun 75 (Eng. Abstr.) **(Jpn)**

[The effects of phospholipase A on the retina of albino rabbits. (4) Electron microscopic studies of alcohol dehydrogenase in the outer segments of the visual cells (author's transl)] Fujisaki H. **Acta Soc Ophthalmol Jpn** 79(10):1502–10, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Proton magnetic resonance study of the molecular organization of photoreceptor membranes] Sibel'dina LA, et al. **Dokl Akad Nauk SSSR** 224(1):228–31, Sep–Oct 75 **(Rus)**

[Paramagnetic probe study of photoinduced rearrangements in photoreceptor membranes] Vlasova SA, et al. **Dokl Akad Nauk SSSR** 223(4):1001–4, 1 Aug 75 **(Rus)**

ROENTGENKYMOGRAPHY see **ELECTROKYMOGRAPHY**

ROENTGENOGRAPHY see **RADIOGRAPHY**

ROGERIAN THERAPY see **NONDIRECTIVE THERAPY**

ROLE

Hypnosis as role–enactment: the effect of positive information about hypnosis on self–role congruence. Megas JC, et al. **Am J Clin Hypn** 18(2):132–7, Oct 75

Role–taking ability and interpersonal conflict resolution among retarded young adults. Affleck GG. **Am J Ment Defic** 80(2):233–6, Sep 75

Role–taking ability and the interpersonal competencies of retarded children. Affleck GG. **Am J Ment Defic** 80(3):312–6, Nov 75

Adolescent role assessment. Black MM. **Am J Occup Ther** 30(2):73–9, Feb 76

The occupational career... Black MM. **Am J Occup Ther** 30(4):225–8, Apr 76

Child care attitudes and adaptation to the maternal role among mentally ill and well mothers. Cohler BJ, et al. **Am J Orthopsychiatry** 46(1):123–34, Jan 76

Work role and depression in women: a comparison of workers and housewives in treatment. Mostow E, et al. **Am J Orthopsychiatry** 45(4):538–48, Jul 75

Psychiatrist–wife–mother: some aspects of role integration. Scher M, et al. **Am J Psychiatry** 133(7):830–4, Jul 76

Late effects of early dependency need deprivation: the meal ticket syndrome. Fann WE, et al. **Br J Psychiatry** 128:262–8, Mar 76

Role conflicts of the prison psychiatrist. Ketai R. **Bull Am Acad Psychiatry Law** 2(4):246–50, Dec 74

Mothers' and infants' roles: distinguishing the questions to be asked. Hinde RA. **Ciba Found Symp** (33):5–16, 1975 (5 ref.)

Special role and role expectation of black administrators of neighborhood mental health programs. Rich W. **Community Ment Health J** 11(4):394–401, Winter 75

The role and function of the rehabilitation counselor serving the severely disabled. pp. 59–61. Smits SJ. **In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.**

Degree of pathology as related to readiness to accept labels in process and reactive schizophrenics. Johnson JE, et al.

Int J Soc Psychiatry 21(4):292–6, Winter 75

Role stress, personality, and psychopathology in a group of immigrant adolescents. Naditch MP, et al. **J Abnorm Psychol** 85(1):113–8, Feb 76

A subcultural change of MMPI norms in the 1960s due to adolescent role confusion and glamorization of alienation. Schubert DS, et al. **J Abnorm Psychol** 84(4):406–11, Aug 75

Role vs. entry-level competencies in competency-based education. Bell CG. **J Am Diet Assoc** 69(2):133–7, Aug 76

Perceived situational moderators of the relationship between subjective role ambiguity and role strain. Beehr TA. **J Appl Psychol** 61(7):35–40, Feb 76

Effects of work load, role ambiguity, and type A personality on anxiety, depression, and heart rate. Caplan RD, et al. **J Appl Psychol** 60(6):713–9, Dec 75

Role ambiguity, role conflict, and satisfaction: moderating effects of individual differences. Johnson TW, et al. **J Appl Psychol** 60(3):329–33, Jun 75

An empirical test of causal inference between role perceptions of conflict and ambiguity and various personal outcomes. Miles RH. **J Appl Psychol** 60(3):334–9, Jun 75

Effects of pressure and individual neuroticism on emotional responses to task-role ambiguity. Organ DW. **J Appl Psychol** 60(3):397–400, Jun 75

The changing role of the medical illustrator? Diedrick MD. **J Biocommun** 2(3):29–31, Nov 75

Attitudes toward mental illness and role conceptions of psychiatric patients and staff. Rosenbaum M, et al. **J Clin Psychol** 32(1):167–73, Jan 76

Selection versus role occupancy as determinants of role-related attitudes among psychiatric aides. Berk BB, et al. **J Health Soc Behav** 16(2):183–93, Jun 75

Boundary busting in the role of the community mental health worker. Wagenfeld MO, et al. **J Health Soc Behav** 17(2):111–21, Jun 76

Mental health nursing consultation: a study of expectations. Kolson G. **J Psychiatr Nurs** 14(8):24, 31–2, Aug 76

Role of the psychiatric nurse. Plutchik R, et al. **J Psychiatr Nurs** 14(9):38–43, Sep 76

The many hats of the team physician. Nixon JE. **J Sports Med** 1(2):53, Jan–Feb 73

Effect of role empathy on human figures drawn by women alcoholics. Craddick RA, et al. **J Stud Alcohol** 37(1):90–7, Jan 76

Work role motivation as a predictor of success in Navy paramedical training. Booth RF, et al. **Milit Med** 141(3):183–7, Mar 76

The role of the nurse working with employment upgrading programs. Holmes MK. **Nurs Clin North Am** 10(4):771–8, Dec 75

Role, function, and decision making in community mental health. Davis AJ, et al. **Nurs Res** 25(4):256–8, Jul–Aug 76

Willingness of psychiatric nurses to assume the extended role. Hocking IL, et al. **Nurs Res** 25(1):44–8, Jan–Feb 76

Role insufficiency and role supplementation: a conceptual framework. Meleis AI. **Nurs Res** 24(4):264–71, Jul–Aug 75

Roles and realities. Kratz C. **Nurs Times** 72(24):923, 17 Jun 76

Women and nurses: Evolving roles. Yeaworth RC. **Occup Health Nurs (NY)** 24(08):7–9, Aug 76

From 'boy' to 'colleague': processes of role transformation in professional socialization. Shuval JT. **Soc Sci Med** 9(8–9):413–20, Aug–Sep 75

[The influence of role induction on the success of systematic desensitization of socially anxious students (author's transl)] Marquardt K, et al. **Arch Psychiatr Nervenkr** 221(2):123–37, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Significance of social role behavior for the beginning and course of manic-depressive psychoses] pp. 101–6. Kraus A.
In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973. **(Ger)**

ROLE CONCEPT see under **ROLE**

ROLE PLAYING see under **PSYCHODRAMA**

ROLITETRACYCLINE

METABOLISM

[Concentration of antibiotics in the human lung. Clinical studies of Reverin distribution in various pulmonary lobes] Wacha H, et al. **Fortschr Med** 93(24):1094, 1096, 28 Aug 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The influence of rolitetracycline upon some metabolic parameters of rabbit heart muscle. Bélová V, et al. **Biochem Pharmacol** 24(20):1875–7, 15 Oct 75

Investigations on circulatory tolerance of doxycycline (Vibravenous r) and rolitetracycline (Reverin r) in waking minipigs. pp. 331–4. Tauberger G, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

[Electron microscopy studies on the masking effect of rolitetracycline (reverin) during experimental syphilis] Wrzolkowa T, et al. **Dermatol Monatsschr** 161(4):318–23, Apr 75 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Treatment of bone infections using intra-arterial injections of rolitetracycline] Leblanc JP, et al. **Therapie** 30(5):685–94, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

ROMBERG'S DISEASE see **FACIAL HEMIATROPHY**

RONDOMYCIN see **METHACYCLINE**

RONIDAZOLE see under **NITROIMIDAZOLES**

RONNEL see **FENCHLORPHOS**

ROOT CANAL FILLING MATERIALS

The seal of root fillings at apicectomy. A scanning electron microscope study. Cunningham J. **Br Dent J** 139(11):430–5, 2 Dec 75

Letter: The seal of root fillings at apicoectomy. Issa H. **Br Dent J** 140(2):40–1, 20 Jan 76

Root canal filling materials. A review of endodontic materials in current use. Tagger M, et al. **Isr J Dent Med** 24:20–7, Jan 75

Clinical evaluation of a root canal cement that contains paraformaldehyde. Laband P. **J Am Dent Assoc** 93(3):583–5, Sep 76

Letter: The FDA regarding the use of the Sargenti type formulations. Arzt AH. **J Dent Child** 43(3):150, May–Jun 76

Response of the dental pulp to invasion of bacteria around three filling materials. Brännström M, et al. **J Dent Child** 43(2):83–9, Mar–Apr 76

Treatment of non-vital permanent incisors with calcium hydroxide. VI. A clinical, microbiological and radiological evaluation of treatment in one sitting of teeth with mature or immature root. Cvek M, et al. **Odontol Revy** 27(2):93–108, 1976

Sealing quality of polycarboxylate cements when compared to amalgam as retrofilling material. Barry GN, et al. **Oral Surg** 42(1):109–16, Jul 76

Dimensional stability of temporary restoratives. Gilles JA, et al. **Oral Surg** 40(6):796–800, Dec 75

Leakage of different root canal sealants. Younis O, et al. **Oral Surg** 41(6):777–84, Jun 76

[Problem of decontamination of gutta-percha pins] Cechová L, et al. **Cesk Stomatol** 75(4):261–3, Jul 75 (Eng. Abstr.) **(Cze)**

[Results of a survey on the usefulness of adding corticoids to root canal obturation pastes] Descrozailles C, et al. **Rev Stomatol Chir Maxillofac** 76(5):385–96, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[The retention of plastic filling materials with various lining materials and technics] Mayer R, et al. **Dtsch Zahnaerztl Z** 31(4):291–4, Apr 76 (Eng. Abstr.) **(Ger)**

[Inhibition of polymerization by oxygen in composite filling materials and enamel sealers] Finger W, et al. **Schweiz Monatsschr Zahnheilkd** 86(8):812–24, Aug 76 **(Ger)**

[The antibacterial effect of composites impregnated with chlorhexidine] Zetner K, et al. **ZWR** 85(3):130–2, 10 Feb 76 **(Ger)**

[Choice of root filling materials] Molven O. **Nor Tannlaegeforen Tid** 86(3):105–9, Mar 76 **(Nor)**

[Evaluation of Endomethasone paste as a root canal filling material] Gora B, et al. **Czas Stomatol** 28(11):1051–62, Nov 75 (Eng. Abstr.) **(Pol)**

[Filling of root canals with silver paste in acute and chronic periodontitis] Iankov NI, et al. **Stomatologiia (Mosk)** 55(2):98–9, Mar–Apr 76 **(Rus)**

ADVERSE EFFECTS

Lead health hazard in root calan filling material. Garry JF, et al. **Pharmacol Ther Dent** :217–22, 1975

PHARMACODYNAMICS

The reaction of the rat molar pulp to various materials. Paterson RC. **Br Dent J** 140(3):93–6, 3 Feb 76

The dentine-dissolving effects of three root canal irrigants in vitro. Hakala PE, et al. **Proc Finn Dent Soc** 72(1):19–22, Feb 76

STANDARDS

Letter: The FDA responds to the use of N-2 and RC-2B. Gilkes CC. **J Dent Child** 43(2):76, Mar–Apr 76

[The possibility of a standardization of clinical trials concerning materials for root canal obturation] Baume LJ, et al. **Schweiz Monatsschr Zahnheilkd** 86(6):607–29, Jun 76 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Evaluation of treatment of pulpitis in decidous teeth formocresol and N2 paste] Badzian-Kobos K, et al. **Czas Stomatol** 29(1):15–18, Jan 76 (Eng. Abstr.) **(Pol)**

[Clinical and radiological evaluation of zinc oxide with eugenol as material for root canals fillings] Limanowska H, et al. **Czas Stomatol** 29(2):109–115, Feb 76 (Eng. Abstr.) **(Pol)**

TOXICITY

[Effect of Sani paste on living tissue in vivo and in vitro] Kaczor B, et al. **Czas Stomatol** 29(3):194–8, Mar 76 (Eng. Abstr.) **(Pol)**

ROOT CANAL OBTURATION

Letter: The seal of root fillings at apicoectomy. Issa H. **Br Dent J** 140(2):40–1, 20 Jan 76

Endodontic emergency dilemma: leave tooth open or keep it closed? Weine FS, et al. **Oral Surg** 40(4):531–6, Oct 75

[Radiographic predictions and control of canal obturations] Jantan R. **Rev Odontostomatol (Paris)** 4(6):471–8, Nov–Dec 75 **(Fre)**

[Comparative study of the results of root canal therapy supplemented by periapical surgery] Imre V, et al. **Fogorv Sz** 69(5):139–42, May 76 **(Hun)**

[Surgical interventions related to root canal obturation] László H. **Fogorv Sz** 69(6):173–5, Jun 76 (Eng. Abstr.) **(Hun)**

[A radiographic examination of endodontically treated teeth] Kerekes K. **Nor Tannlaegeforen Tid** 86(4–1):154–60, Apr 76 **(Nor)**

ADVERSE EFFECTS

[Decompression of the inferior alveolar nerve folloing accidental introduction of obturation paste into the dental canal] Haag R. **Rev Odontostomatol (Paris)** 3(3):207–14, May 74 **(Fre)**

METHODS

[Technic for canal filling using ultrasound] Soulié J. **Actual Odontostomatol (Paris)** (112):591–600, Dec 75 (Eng. Abstr.) **(Fre)**

[Root canal screws in amalgam restoration of devitalized teeth] Franquin JC, et al. **Schweiz Monatsschr Zahnheilkd** 85(10):1056–71, Oct 75 (Eng. Abstr.) **(Fre)**

[Is the etching technic in composites ready for use in practice?] Nolden R. **ZWR** 85(14):637–41, 25 Jul 76 **(Ger)**

[Filling of root canals with silver paste in acute and chronic periodontitis] Iankov NI, et al. **Stomatologiia (Mosk)** 55(2):98–9, Mar–Apr 76 **(Rus)**

STANDARDS

[The retention of plastic filling materials with various lining materials and technics] Mayer R, et al. **Dtsch Zahnaerztl Z** 31(4):291–4, Apr 76 (Eng. Abstr.) **(Ger)**

[Scanning electron-microscopy studies for the evaluation of the exact fit of root canal fillings in the apical region] Niederdellmann H, et al. **ZWR** 85(17):773–7, 10 Sep 76 **(Ger)**

ROOT CANAL THERAPY

Tooth mortality and endodontic status of a selected population group. Observations before and after treatment. Molven O. **Acta Odontol Scand** 34(2):107–16, 1976

Restoration of the crown-less tooth as a prelude to endodontic treatment. Messing JJ. **Br Dent J** 140(5):178–80, 2 Mar 76

The reinforcement of endodontically treated teeth. Lau VM. **Dent Clin North Am** 20(2):313–28, Apr 76

A new approach to the basic principles of endodontics. Wolch I. **Int Dent J** 25(3):179–84, Sep 75

Technique for restoring endodontically treated anterior teeth with precision posts and porcelain-bonded-to-gold crowns. Album MM, et al. **J Am Dent Assoc** 93(3):591–6, Sep 76

Letter: Easier endodontics. Allen RW. **J Am Dent Assoc** 91(4):724, Oct 75

Evaluation and restoration of endodontically treated posterior teeth. Johnson JK, et al. **J Am Dent Assoc** 93(3):597–605, Sep 76 (44 ref.)

Endodontic treatment of a horizontal impaction. Kampfe LV, et al. **J Am Dent Assoc** 92(3):575–7, Mar 76

Letter: Proper access, preparation key endodontic factors. Shultz BS. **J Am Dent Assoc** 91(4):736–7, Oct 75

Letter: Caution and restraint. Weissman RV. **J Am Dent Assoc** 91(4):736, Oct 75

Hypnosis in the practice of endodontics. Morse DR. **J Am Soc Psychosom Dent Med** 22(1):17–22, 1975

One appointment endodontic treatment. Wolch I. **J Can Dent Assoc** 41(11):613–5, Nov 75

Combined endodontic-orthodontic treatment of subgingivally fractured teeth. Wolfson EM, et al. **J Can Dent Assoc** 41(11):621–4, Nov 75

Endodontic therapy for first permanent molars in preadolescents. Zurawic P, et al. **J Can Dent Assoc** 41(11):617–9, Nov 75

Computer-generated profile of 846 endodontic cases. Madden RM, et al. **J Dent Educ** 40(6):364–5, Jun 76

Cementum regeneration in replanted teeth with differing pulp treatment. Woehrle RR. **J Dent Res** 55(2):235–8, Mar–Apr 76

A review of some currently available endodontic materials. Tidmarsh BG. **NZ Dent J** 71(325):118–22, Jul 75

Treatment of non-vital permanent incisors with calcium hydroxide. VI. A clinical, microbiological and radiological evaluation of treatment in one sitting of teeth with mature or immature root. Cvek M, et al. **Odontol Revy** 27(2):93–108, 1976

The use of iodine as a contrast medium in endodontic therapy.

Hasselgren G, et al. **Oral Surg** 41(6):785–8, Jun 76
Ultrasonic disinfection of the root canal. Martin H. **Oral Surg** 42(1):92–9, Jul 76
Use of meditative state for hypnotic induction in the practice of endodontics. Morse DR. **Oral Surg** 41(5):664–72, May 76
Antimicrobial effect of some endodontic medicaments in vitro. Koskinen KP, et al. **Proc Finn Dent Soc** 71(4):132–6, Aug 75
[Proceedings: Molars—an endodontic problem] Forsberg TJ. **Nor Tannlaegeforen Tid** 86(7):315, Jul 76 **(Nor)**
[Indications and prognosis for endodontic surgery] Halse A. **Nor Tannlaegeforen Tid** 86(1):5–12, Jan 76 **(Nor)**
[A radiographic examination of endodontically treated teeth] Kerekes K. **Nor Tannlaegeforen Tid** 86(4–1):154–60, Apr 76 **(Nor)**
[In vitro studies of biological properties of Crésophène] Szymaniak E, et al. **Czas Stomatol** 29(5):393–8, 1976 (Eng. Abstr.) **(Pol)**
[Determination of the quantity of drug remaining after 24–48 hours in intracanalicular dressings] Gafar M, et al. **Rev Chir [Stomatol]** 22(4):263–6, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[In vitro studies of the antimicrobial action of the principal drugs used in endocanalicular therapy] Gafar M, et al. **Rev Chir [Stomatol]** 21(5):383–6, Oct–Dec 74 (Eng. Abstr.) **(Rum)**
[In vitro study of the antimicrobial action of some anions frequently used in the iontophoretic treatment of infected root canals] Stein M. **Rev Chir [Stomatol]** 21(4):305–18, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Letter: Interstitial air emphysema cases. Wasserman BS. **NY State Dent J** 41(9):556, Nov 75
[Sudden onset of isolated orbital emphysema during dental ozone insufflation] Riquet J, et al. **Bull Soc Ophtalmol Fr** 75(5–6):533–7, May–Jun 75 **(Fre)**
[Complications occuring after application of compressed air during root canal treatment] Sobolewski J, et al. **Czas Stomatol** 29(2):123–6, Feb 76 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

[Studies on the type of wound after vital extirpation of the pulp and root canal preparation with a modified Hedström file] Buth K, et al. **Stomatol DDR** 26(3):170–2, Mar 76 (Eng. Abstr.) **(Ger)**

METHODS

Letter: The FDA regarding the use of the Sargenti type formulations. Arzt AH. **J Dent Child** 43(3):150, May–Jun 76
The dentine-dissolving effects of three root canal irrigants in vitro. Hakala PE, et al. **Proc Finn Dent Soc** 72(1):19–22, Feb 76
[Current concepts in endodontic treatment] Rolland R. **Rev Odontostomatol (Paris)** 4(5):401–7, Sep–Oct 75 **(Fre)**
[Root treatments and dental reconstitution] Jeanneret-Gris B. **Schweiz Monatsschr Zahnheilkd** 86(1):83, Jan 76 **(Fre)**
[The stomatological care of hemophiliacs] Tóth A. **Stomatol DDR** 26(3):180–3, Mar 76 (Eng. Abstr.) **(Ger)**
[Effect of Sani paste on living tissue in vivo and in vitro] Kaczor B, et al. **Czas Stomatol** 29(3):194–8, Mar 76 (Eng. Abstr.) **(Pol)**
[Endodontics] Barreiro Munin A. **An Esp Odontoestomatol** 35(2):123–6, Mar–Apr 76 **(Spa)**

STANDARDS

The apical level of root fillings. Molven O. **Acta Odontol Scand** 34(2):89–105, 1976
The frequency, technical standard and results of endodontic therapy. Molven O. **Nor Tannlaegeforen Tid** 86(4–1):142–7, Apr 76
[Redtenbacher's ATR technic—a scanning electron microscopic study] Lampert F, et al. **Dtsch Zahnaerztl Z** 30(8):518–21, Aug 75 (Eng. Abstr.) **(Ger)**
[Mathematical-statistical evidence of clinico-radiographic follow-up studies of root canal therapy] Apt H, et al. **Zahn Mund Kieferheilkd** 63(8):819–22, 1975 (Eng. Abstr.) **(Ger)**
[Clinical and radiological evaluation of zinc oxide with eugenol as material for root canals fillings] Limanowska H, et al. **Czas Stomatol** 29(2):109–115, Feb 76 (Eng. Abstr.) **(Pol)**

ROOT RESORPTION

[Local effect of the alveolar bone and ankylosis of the teeth] Nečeva Lj. **God Zb Med Fak Skopje** 20:421–4, 1974 (Eng. Abstr.) **(Ser)**

DRUG EFFECTS

Effect of diphosphonates on root resorption. Robinson PJ, et al. **J Dent Res** 55(1):166, Jan–Feb 76

ETIOLOGY

Root resorption by ameloblastomas and cysts of the jaws. Struthers P, et al. **Int J Oral Surg** 5(3):128–32, Jun 76
Rapid root resorption in central incisor caused by a supernumerary tooth. A case report. Jokela M. **Proc Finn Dent Soc** 72(2):56–9, 1976

PATHOLOGY

Cervical external root resorption. Makkes PC, et al. **J Dent** 3(5):217–22, Sep 75
[Morpho-functional picture of external root resorption] Tafčiovski I, et al. **God Zb Med Fak Skopje** 20:265–74, 1974 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

In vitro studies of bone resorption by the root-resorbing tissue from the bovine deciduous tooth. Oguchi H. **Bull Tokyo Med Dent Univ** 22(2):175–83, Jun 75

PREVENTION & CONTROL

[Results of personal experimentation of tooth transplantation] Lechien P, et al. **Rev Stomatol Chir Maxillofac** 77(2):465–6, Mar 76 **(Fre)**

RADIOGRAPHY

Standardized periapical radiographs. Price C. **Proc R Soc Med** 68(2):126–7, Feb 75

RORSCHACH TEST

Aging of schizophrenic patients as seen through the Rorschach test. Müller C, et al. **Acta Psychiatr Scand** 53(3):161–7, Mar 76
Perception and cognition in patients with bipolar and unipolar depressive disorders. A study in orschach responding. Donnelly EF, et al. **Arch Gen Psychiatry** 32(9):1128–31, Sep 75
Normal development and psychopathological impairment of the concept of the object on the Rorschach. Blatt SJ, et al. **J Abnorm Psychol** 85(4):364–73, Aug 76
Prediction of homicide with the Rorschach. Lester D, et al. **J Clin Psychol** 31(4):752, Oct 75
Rorschach revisited: a new look at an old test. Wainer H, et al. **J Consult Clin Psychol** 44(3):390–9, Jun 76
There is an alternative to the IQ. Allen RM. **J Pers Assess** 39(4):377–80, Aug 75
Are Rorschach responses influenced by society's change? Ames LB. **J Pers Assess** 39(5):439–52, Oct 75
A role-play Rorschach procedure. Bricklin B. **J Pers Assess** 39(5):453–61, Oct 75
Rorschach records of the Nazi war criminals: an experimental study after thirty years. Harrower M. **J Pers Assess** 40(4):341–51, Aug 76
Cognitive tempo as a Rorschach color variable. Katz JM, et al. **J Pers Assess** 39(5):462–5, Oct 75
Evaluation of ego strength based on certain Rorschach variables. Last U, et al. **J Pers Assess** 40(1):57–66, Feb 76
Perceptual development on the Rorschach. O'Neill P, et al. **J Pers Assess** 40(2):115–21, Apr 76
Concurrent validity of the Wheeler signs of homosexuality in the Rorschach: P (Ci/Rj). Stone NM, et al. **J Pers Assess** 39(6):573–9, Dec 75
On the assessment of sexual orientation: a reply to Anderson. Stone NM. **J Pers Assess** 40(1):54–6, Feb 76
Parental correlates of Rorschach human movement responses in children. Fisher S, et al. **Percept Mot Skills** 42(1):31–4, Feb 76
Color and form perception on the Rorschach as a function of eye color. Markle A. **Percept Mot Skills** 41(3):831–4, Dec 75
Comparison of Rorschach anatomy responses from psychosomatic out-patients and a matched group of psychiatric controls. Wagner EE, et al. **Percept Mot Skills** 40(2):483–6, Apr 75
[Correlations of the Personal Sphere Model and Rorschach Projection tests. (A factorial examination of the validity of the Personal Sphere Model using the Rorschach Test)] Kohlmann T, et al. **Z Klin Psychol Psychother** 23(3):206–13, 1975 (Eng. Abstr.) **(Ger)**
[Psychodynamics of psoriasis vulgaris in the Rorschach test] Pfitzner R. **Z Psychosom Med Psychoanal** 22(2):190–7, Apr–Jun 76 (Eng. Abstr.) **(Ger)**
[Impairment of visual perception, in the Rorshchach test, in normal subjects with monocular vision and in patients with ophthalmoparesis] Euscaino GA, et al. **Acta Neurol (Napoli)** 30(5):497–509, Sep–Oct 75 (Eng. Abstr.) **(Ita)**
[Analysis of the verbal content in Rorschach test in schizophrenics] Szafraniec J. **Psychiatr Pol** 10(3):275–81, May–Jun 76 (Eng. Abstr.) **(Pol)**

ROSA

[The ulcer protective and anti-inflammatory effect of Bulgarian rose oil] Maleev A, et al. **Eksp Med Morfol** 11(2):55–60, 1972 (Eng. Abstr.) **(Bul)**

ANALYSIS

[On the constituents of the fruits of Rosa multiflora Thunb. I (author's transl)] Takagi S, et al. **J Pharm Soc Jpn** 96(3):284–8, Mar 76 (Eng. Abstr.) **(Jpn)**
[Study of the ascorbic acid content in the fruits of the cis-Carpathian rose] Fedoruk TM, et al. **Farm Zh** 31(1):74–5, Jan–Feb 76 **(Ukr)**

ROSACEA

COMPLICATIONS

Rosacea of common male baldness. Gajewska M. **Br J Dermatol** 93(1):63–6, Jul 75
Rosacea and migraine. Tan SG, et al. **Br Med J** 1(6000):21, 3 Jan 76

DIAGNOSIS

[Red noses (author's transl)] Laugier P. **Ther Umsch** 31(5):294–300, May 74 (Eng. Abstr.) **(Ger)**
[Rubramycosis of the face simulating acne rosacea and lupus erythematosus] Sheklakov ND, et al. **Vestn Dermatol Venerol** (11):79–80, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Letter: Topically applied erythromycin in rosacea. Mills OH Jr, et al. **Arch Dermatol** 112(4):553–4, Apr 76
A follow-up of tetracycline-treated rosacea. With special reference to rosacea keratitis. Knight AG, et al. **Br J Dermatol** 93(5):577–80, Nov 75
Editorial: The problem of rosacea. **Br Med J** 4(5993):366, 15 Nov 75
Comparative study of triamcinolone acetonide and hydrocortisone 17-butyrate in rosacea with special regard to the rebound phenomenon. Go MJ, et al. **Dermatologica** 152 Suppl 1:239–46, 1976
The treatment of steroid-induced rosacea and perioral dermatitis. Sneddon IB. **Dermatologica** 152 Suppl 1:231–7, 1976
Treatment of rosacea by metronidazole. Pye RJ, et al. **Lancet** 1(7971):1211–2, 5 Jun 76
[Rosacea and seborrhea] Bandmann H. **ZFA** 52(7):379, 10 Mar 76 **(Ger)**
[Usefulness of various methods in the treatment of rosacea in the light of personal studies] Prochacki H, et al. **Przegl Dermatol** 62(5):709–13, Sep–Oct 75 (Eng. Abstr.) **(Pol)**
[Treatment of rosacea with corticosteroid ointments] Samtsov AV. **Vestn Dermatol Venerol** (2):70–3, Feb 76 (Eng. Abstr.) **(Rus)**
[Treatment of rosacea by flavonoid venotonics] Farkaš J, et al. **Cesk Dermatol** 50(5):331–3, Oct 75 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Letter: The problem of rosacea. Marks R. **Br Med J** 1(6001):94, 10 Jan 76

IMMUNOLOGY

Cutaneous immunohistochemistry. The direct immunoperioxidase and immunoglobulin-enzyme bridge methods compared with the immunofluorescence method in dermatology. Boorsma DM, et al. **J Cutan Pathol** 2(6):294–301, 1975
[Letter: Autoimmune phenomena in rosacea] Milbradt R. **Hautarzt** 26(9):504, Sep 75 **(Ger)**

METABOLISM

Skin surface lipid composition in rosacea. Pye RJ, et al. **Br J Dermatol** 94(2):161–4, Feb 76

PATHOLOGY

[Darier's photosensitivity disease and its relation to Haber's syndrome] Piñol Aguadé J, et al. **Med Cutan Iber Lat Am** 2(4):299–306, 1974 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The sebum excretion rate in rosacea. Burton JL, et al. **Br J Dermatol** 92(5):541–3, May 75

SURGERY

The treatment of rhinophyma using a membrane surgical dressing: report of a case. Schwartzenfeld TH. **J Am Osteopath Assoc** 75(11):967–70, Jul 76
Surgical gems: Electrosurgical treatment of rhinophyma. Albom M. **J Dermatol Surg** 2(3):189–91, Jun 76
Surgical methods in the treatment of rhinophyma. Karge HJ, et al. **J Dermatol Surg** 1(3):31–2, Oct 75

THERAPY

[Pathogenesis and principles of treatment of acne rosacea] Ashmarin IuI, et al. **Vestn Dermatol Venerol** (10):3–9, Oct 75 (Eng. Abstr.) **(Rus)**

ROSANILINE DYES

Spectrophotometric measurement of dodecyl sulfate with basic fuchsin. Waite JH, et al. **Anal Biochem** 70(1):279–80, Jan 76
Studies on the Methyl Green-DNA complex and its dissociation by drugs. Krey AK, et al. **Biochemistry** 14(23):5061–7, 18 Nov 75
The interaction of apurinic acid aldehyde groups with pararosaniline in the Feulgen-Schiff and related staining procedures. Duijndam WA, et al. **Histochemistry** 44(1):67–85, 16 Jul 75

Aldehyde-fuchsin staining of antral endocrine cells. Ghiringhello B, et al. **Histochemistry** 48(2):145–52, 12 Aug 76

Further observations on the chemistry of pararosaniline–Feulgen staining. Gill JE, et al. **Histochemistry** 46(2):147–60, 16Feb 76

The use of hexazonium-p-rosanilin in the histochemical demonstration of peptidases. Lojda Z. **Histochemistry** 44(4):323–35, 29 Sep 75

On structural formulas of basic fuchsin and aldehyde-Schiff reaction products. Puchtler H, et al. **Histochemistry** 45(4):255–65, 19 Dec 75

Banding of human chromosomes with basic fuchsin. Scheres JM, et al. **Hum Genet** 32(2):155–69, 19 May 76

Staining mycobacteria with carbolfuchsin: properties of solutions prepared with different samples of basic fuchsin. Harada K, et al. **Microsc Acta** 78(1):21–7, Mar 76

A methanol resorcin–fuchsin stain for elastic tissues and nuclei. Meloan SN, et al. **Stain Technol** 50(6):367–70, Nov 75

The use of methyl green–pyronin staining after glutaraldehyde fixation and paraffin or araldite embedding. Jurand A, et al. **Tissue Cell** 8(2):389–94, 1976

[The cytobacteriological coloring substance BF (methylene blue and basic fuchsin)] Giorgio A, et al. **Ann Sclavo** 17(6):799–802, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Validity of hematoxylin–basic fuchsin–picric acid (hbfp) in detection of early myocardial necrosis in the mice] Apić R, et al. **Vojnosanit Pregl** 32(4):386–8, Jul–Aug 75 (Eng. Abstr.) **(Ser)**

DIAGNOSTIC USE

Letter: Basic fuchsin method to detect myocardial ischemia. Degrell F. **Arch Pathol Lab Med** 100(9):506, Sep 76

METABOLISM

Elimination of basic fuchsin and other dyes from the pancreas. Hong SS. **Yonsei Med J** 15(2):51–7, 1974

PHARMACODYNAMICS

The action of some triphenylmethane dyes on yeast and erythrocyte membranes. Elferink JG, et al. **Arzneim Forsch** 25(8):1248–52, Aug 75

Yeast mutants resistant to basic fuchsin: a genetic approach to the integration of nuclear and mitochondrial information. Barrere G, et al. **Mutat Res** 35(1):39–52, Apr 76

THERAPEUTIC USE

Removal of dentin by fuchsin staining. Sato Y, et al. **J Dent Res** 55(4):678–83, Jul–Aug 76

ROSE BENGAL

Photooxidation of bovine neurophysin II in the presence of rose bengal. Fukuda H, et al. **Chem Pharm Bull (Tokyo)** 24(1):36–45, Jan 76

Rose Bengal immobilized on Sepharose-a new tool for protein photo-oxidation. Kaye NM, et al. **FEBS Lett** 62(3):334–7, 1 Mar 76

Comparison between the results of the 131I—rose bengal functional examination and the scintigraphia in patients with liver diseases. Zaharieva Z, et al. **Folia Med (Plovdiv)** 16(5–6):309–18, 1974

Interaction of rabbit hemopexin with rose bengal and photooxidation of the rose bengal–hemopexin complex. Seery VL, et al. **J Biol Chem** 250(16):6439–44, 25 Aug 75

[Radiohepatography with rose bengal labelled 125I in patients with virus hepatitis and with idiopathic jaundice of pregnancy] Czarnecki L, et al. **Pol Przegl Radiol** 39(5):599–602, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

The serological diagnosis of bovine brucellosis: an evaluation of the complement fixation, serum agglutination and rose bengal tests. Alton GG, et al. **Aust Vet J** 51(2):57–63, Feb 75

131I Rose Bengal scanning and clearance ratios in the investigation of jaundiced patients. Davies ER, et al. **Clin Radiol** 27(2):227–35, Apr 76

Sequential liver and biliary tract scanning with 131I labelled Rose Bengal. Verow PW, et al. **Clin Radiol** 26(4):499–504, Oct 75

Quantitative liver imaging using 131-I Rose Bengal as an index of liver function and prognosis. Gamlen TR, et al. **Gut** 16(9):738–43, Sep 75

Some cogent observations on amoebic hepatopathies using radioactive rose bengal. Sharma BN, et al. **J Assoc Physicians India** 23(8):485–92, Aug 75

MIRD/Dose Estimate Repart No. 7. Summary of current radiation dose estimates to humans from 123I, 124I, 126I, 130I, and 131I as sodium rose bengal. **J Nucl Med** 16(12):1214–7, Dec 75

Technetium–99m–pyridoxylideneglutamate, a new agent for gallbladder imaging: comparison with 131I–rose bengal. Kubota H, et al. **J Nucl Med** 17(1):36–9, Jan 76

Use of the radioiodinated Rose Bengal in the study of icterogenic hepatopathies. Franchi R, et al. **Ric Clin Lab** 5(1):73–95, Jan–Mar 75

Determining patency of a roux-en-Y limb after choledochojejunostomy. Aycock TM, et al. **Tex Med** 72(8):74–8, Aug 76

[Value of scintigraphy with rose bengal in the diagnosis of jaundice. Experience in 73 surgically verified cases] Braibanti T, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:557–8, 1975 **(Fre)**

[Hepato-bilary scintigraphy with iodoxamic acid and I–131 rose bengal] Ugolotti G. **J Radiol Electrol Med Nucl** 56 suppl 1:51, 1975 **(Fre)**

[Usefulness of labeled rose bengal in the evaluation of hepatocellular function] Kuydowicz J. **Pol Tyg Lek** 31(24):1047–9, 14 Jun 76 **(Pol)**

METABOLISM

Renal uptake of 131I–rose bengal in biliary atresia. A case report. Heyman S. **S Afr Med J** 50(4):103–5, 24 Jan 76

PHARMACODYNAMICS

Biochemical changes in the boll weevil induced by Rose Bengal in the absence of light. Broome JR, et al. **Chem Biol Interact** 14(1–2):203–6, Jul 76

ROSENZWEIG PICTURE-FRUSTRATION STUDY see under **PROJECTIVE TECHNICS**

ROSS RIVER VIRUS see under **ARBOVIRUSES**

ROTATION

A Z-axis recumbent rotating device for use in parabolic flight. Graybiel A, et al. **Aviat Space Environ Med** 47(8):893, Aug 76

Spontaneous and drug-induced rotation (circling behavior) in the Mongolian gerbil (Meriones unguiculatus). Jerussi TP, et al. **Behav Biol** 16(2):241–4, Feb 76

'Barrel rotation' induced by somatostatin in the non-lesioned rat. Cohn ML, et al. **Brain Res** 96(1):138–41, 10 Oct 75

Thyrotropin releasing factor (TRF) regulation of rotation in the non-lesioned rat. Cohn ML, et al. **Brain Res** 96(1):134–7, 10 Oct 75

Rotation induced increases of glucose uptake in rat vestibular nuclei and vestibulocerebellum. Sharp FR. **Brain Res** 110(1):141–51, 25 Jun 76

Fastigial neuronal responses to sinusoidal horizontal rotation. Kimm J, et al. **Exp Neurol** 50(3):579–94, Mar 76

Effects of chronic rotation and hypergravity on muscle fibers of soleus and plantaris muscles of the rat. Martin WD, et al. **Exp Neurol** 49(3):758–71, Dec 75

Visual reaction times during prolonged angular acceleration parallel the subjective perception of rotation. Mattson DL. **J Exp Psychol [Hum Percept]** 1(4):404–10, Nov 75

Responses of hair cells to statocyst rotation. Alkon DL. **J Gen Physiol** 66(4):507–30, Oct 75

Unit activity in vestibular nucleus of the alert monkey during horizontal angular acceleration and eye movement. Fuchs AF, et al. **J Neurophysiol** 38(5):1140–61, Sep 75

Parametric study of postrotatory nystagmus in normal squirrel monkeys. Igarashi M, et al. **ORL** 37(4):209–13, 1975

Relationship between pulse pressure, arteriosclerosis, and a visual reversal phenomenon. Solonevich R, et al. **Percept Mot Skills** 41(3):939–49, Dec 75

Effects of vestibular stimulation on nystagmus response and motor performance in the developmentally delayed infant. Kantner RM, et al. **Phys Ther** 56(4):414–21, Apr 76

Rotation and translation effects on stereoscopic acuity. Uttal WR, et al. **Vision Res** 15:939–44, Aug–Sep 75

[Long-term studies on the effect of a rotating magnetic field on experimental mice] Petz R, et al. **Vnitr Lek** 21(9):894–900, Sep 75 (Eng. Abstr.) **(Cze)**

[Response of efferent vestibular fibers to horizontal rotation in frogs (Rana esculenta L.)] Caston J, et al. **C R Soc Biol (Paris)** 169(4):1062–6, 1975 (Eng. Abstr.) **(Fre)**

[Rotational stability in the knee joint] Müller W. **Hefte Unfallheilkd** (125):51–68, 1975 **(Ger)**

[Economic evaluations in the use of a rotating freezer] Rigoli A. **Boll Chim Farm** 115(3):254–66, Mar 76 (Eng. Abstr.) **(Ita)**

[Cono–truncal rotation] Dumanian S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31 Spec No:262–7, 1976 (Eng. Abstr.) **(Por)**

[The vertical and rotatory components of ocular nystagmus induced by rotation in a horizontal plane] Levashov MM, et al. **Fiziol Zh SSSR** 61(9):1343–50, Sep 75 (Eng. Abstr.) **(Rus)**

[Change in human EEG during rotation] Ivanova MP, et al. **Kosm Biol Aviakosm Med** 9(5):86–7, Sep–Oct 75 **(Rus)**

[Effect of centrifugal force on neck nystagmus in pigeons] Kisliakov VA, et al. **Kosm Biol Aviakosm Med** 10(1):35–40, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[State of labyrinth tonic posture reflexes during administration to rabbits of microelements (copper, manganese and cobalt)] Raitses VS, et al. **Kosm Biol Aviakosm Med** 10(1):45–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Eye movements occurring during head rotation on artificial gravity stands] Sarkisov IIu, et al. **Kosm Biol Aviakosm Med** 9(6):3–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Equivalence of stop-stimuli to the effect of head rotation in a revolving system on semicircular canal receptors] Sarkisov IIu. **Kosm Biol Aviakosm Med** 9(4):81–3, Jul–Aug 75 **(Rus)**

[Post-rotation nystagmus and micromovement of the eyes] Filin VA, et al. **Vestn Otorinolaringol** (6):56–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Variance in the duration of the postrotational nystagmic reactions to stimulation of the semicircular canals in healthy subjects depending on the individual anatomical difference in the canals (II)] Todorova V, et al. **Zh Ushn Nos Gorl Bolezn** (5):19–23, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ROTENONE

[Model of bifunctional binding of rotenone and piericidin with mitochondrial NADH-dehydrogenase] Yaguzhinski LS, et al. **Biokhimiia** 40(3):456–60, May–Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Separation of rotenoids and the determination of rotenone in pesticide formulations by high-performance liquid chromatography. Bushway RJ, et al. **J Assoc Off Anal Chem** 58(5):965–70, Sep 75

PHARMACODYNAMICS

Stimulation of tumor-cell respiration by inhibitors of pyruvate kinase. Gosalvez M, et al. **Eur J Biochem** 55(1):315–21, 16 Jun 75

Respiratory inhibition and reversible fusion of frog blastomeres. Mounts P, et al. **Experientia** 31(11):1343–5, 15 Nov 75

[Respiration toxins as inhibitors of ion transport, supported by ATP hydrolysis, in mitochondria] Dolgov AV, et al. **Biokhimiia** 40(5):934–41, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Levels of some nucleic acid hydrolases during growth inhibition and subsequent regression of mouse fibrosarcoma by treatment with rotenone. Sinha SN, et al. **Indian J Med Res** 63(12):1737–46, Dec 75

TOXICITY

Potentiation of the acute toxicity of several pesticides and herbicides in trout by carbaryl. Statham CN, et al. **Toxicol Appl Pharmacol** 34(1):83–7, Oct 75

ROUND LIGAMENT see under **ADNEXA UTERI**

ROUS-ASSOCIATED VIRUS see **AVIAN LEUKOSIS VIRUSES**

ROUS SARCOMA

Results of investigations concerning the oncogenicity for mice and hamsters of nuclei acid preparations extracted from chicken sarcoma induced by the Carr (Zilber) and Bryan strains of Rous sarcoma virus (RSV). Nastac E, et al. **Rev Roum Virol** 25(4):323–8, 1974

[Transfer of the genetic information of oncornaviruses by means of tumor cell DNA] Kniazev PG, et al. **Vopr Onkol** 22(1):47–53, 1976 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Highly malignant cells with normal karyotype in G-banding. Mitelman F, et al. **Hereditas** 80(2):291–3, 1975

IMMUNOLOGY

Studies on effector cell–target cell interactions in vitro by means of the quantitative immunoadherence technique. Doljanski F, et al. **Adv Exp Med Biol** 66:437–43, 1976

Rous sarcoma regression in chickens resistant or susceptible to Marek's disease. Calnek BW, et al. **Avian Dis** 19(3):473–82, Jul–Sep 75

The influence of thymectomy on Rous sarcoma regression. Cotter PF, et al. **Avian Dis** 20(1):75–8, Jan–Mar 76

Tumour-associated transplantation antigen in sera of rats with large RSV-induced sarcomas. el Ridi R, et al. **Int J Cancer** 16(1):83–90, 15 Jul 75

Immunity against avian sarcomas: a review. Wainberg MA, et al. **Isr J Med Sci** 12(4–5):388–406, Apr–May 76 (130 ref.)

Temporal analysis of cellular cytotoxicity and humoral factors during progession and regression of Rous sarcomas in Japanese quails. Hayami M, et al. **Jpn J Med Sci Biol** 29(1):11–24, Feb 76

Detection of cellular immunity to rous tumors of chickens by the leukocyte migration inhibition reaction. Cotter PF, et al. **Poult Sci** 55(3):1008–11, May 76

The interaction between Mycobacterium bovis (BCG) and genotype of chicken in increasing the percentage of regression of Rous sarcomas. Test P, et al. **Poult Sci** 55(2):779–85, Mar 76

The role of the tvb locus in genetic resistance to RSV(RAV-O). Crittenden LB, et al. **Virology** 67(2):327–34, Oct 75

Dynamics of nucleic acids and total proteins in the thymus and the bursa of Fabricius of chickens with Rous sarcoma. Toma V, et al. **Zentralbl Veterinaermed [B]** 23(7):536–41, Aug 76

[Nature of membrane cellular antigens induced by avian leukosis-sarcoma viruses] Shaginian OV, et al. **Vopr Virusol** (6):710–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

METABOLISM

A new histochemical method using human placenta alkaline phosphatase for demonstrating concanavalin A binding sites on cell surfaces. Kanzaki Y, et al. **Acta Med Okayama** 29(6):445–8, Dec 75

Detection of RNA-instructed DNA polymerase in the mitochondria of Rous sarcoma cells using sephadex G-150 thin-layer gel filtration. Kára J, et al. **Folia Biol (Praha)** 22(2):90–6, 1976

Long-term preservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by Prague strain of Rous sarcoma virus. Stětina R, et al. **Folia Biol (Praha)** 21(5):334–9, 1975

MICROBIOLOGY

[Study of the population composition of the Rous sarcoma virus Carr-Zilber strain] Obukh IB, et al. **Vopr Virusol** (2):163–7, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Histopathological observations of spontaneous regression of Rous sarcomas in Japanese quails. Yoshikawa Y, et al. **Jpn J Med Sci Biol** 28(3):189–200, Jun 75

[The condition of mitochondria in experimental viral carcinogenesis] Nikolaeva MA, et al. **Arkh Patol** 37(6):24–9, 1975 (Eng. Abstr.) **(Rus)**

[Ultramorphometry of cells in a hamster embryo fibroblast culture following transformation by Rous sarcoma virus] Iagubov AS, et al. **Vopr Onkol** 21(7):62–6, 1975 (Eng. Abstr.) **(Rus)**

THERAPY

Effect of prophylactic and therapeutic administration of BCG vaccine on growth of experimental sarcoma. Símová J, et al. **Folia Biol (Praha)** 21(5):329–33, 1975

ROUS SARCOMA VIRUS

The fine structure of intracranial neoplasms induced by the inoculation of avian sarcoma virus in neonatal and adult rats. Copeland DD, et al. **Am J Pathol** 83(1):149–76, Apr 76

Production of large quantities of 32P-labeled RNA tumor virus nucleic acid. Smith RE, et al. **Anal Biochem** 70(2):354–8, Feb 76

Hereditary modifications of avian sarcoma viruses by quail cell passage. Toyoshima K, et al. **Bibl Haematol** (43):453–5, Oct 75

Adenylate cyclase activity and membrane polypeptides of chick embryo fibroblasts transformed with avian sarcoma viruses. Yoshida M, et al. **Bibl Haematol** (43):67–8, Oct 75

Alterations in lipid acyl group composition and membrane structure in cells transformed by Rous sarcoma virus. Yau TM, et al. **Biochemistry** 15(15):3212–9, 27 Jul 76

Polypeptide composition of cell membranes from chick embryo fibroblasts transformed by rous sarcoma virus. Marciani DJ, et al. **Biochim Biophys Acta** 401(3):386–98, 2 Sep 75

Materials released into culture medium by normal and oncogenic virus-transformed mammalian cells. Voyles BA, et al. **Biochim Biophys Acta** 444(1):269–85, 24 Aug 76

Polyamine metabolism in normal and in virus-transformed chick embryo fibroblasts. Don S, et al. **Cancer Res** 35(12):3618–22, Dec 75

Inhibition by methioninyl adenylate of focus formation by Rous sarcoma virus. Robert-Gero M, et al. **Cancer Res** 35(12):3571–6, Dec 75

Long-term preservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by Prague strain of Rous sarcoma virus. Stětina R, et al. **Folia Biol (Praha)** 21(5):334–9, 1975

Cellular cyclic AMP levels and transformation by oncogenic viruses. pp. 261–74. Sheppard JR, et al. **In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.** (22 ref.)

Stability of avian oncornavirus precursor protein in a line of RSV-transformed hamster cells. pp. 303–10. Eisenman R, et al. **In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

Role of protease activity in malignant transformation by Rous sarcoma virus. pp. 915–30. Weber MJ, et al. **In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.**

Transformation-enhancing factor(s) produced by virus-transformed and established cells. Krycéve C, et al. **Int J Cancer** 17(3):370–9, 15 Mar 76

Characterization of an early cytotoxicity-inducing factor in sera of Japanese quails after inoculation with Rous sarcoma virus. Yoshikawa Y, et al. **Int J Cancer** 17(4):525–32, 15 Apr 76

Loss of ability to synthesize collagen in fibroblasts transformed by rous sarcoma virus. Levinson W, et al. **J Natl Cancer Inst** 55(4):807–10, Oct 75

Low oncogenic potential of avian endogenous RNA tumor virus infection or expression. Motta JV, et al. **J Natl Cancer Inst** 55(3):685–9, Sep 75

Recombination between a temperature-sensitive mutant and a deletion mutant of Rous sarcoma virus. Kawai S, et al. **J Virol** 19(2):389–97, Aug 76

Temporal analysis of cellular cytotoxicity and humoral factors during progression and regression of Rous sarcomas in Japanese quails. Hayami M, et al. **Jpn J Med Sci Biol** 29(1):11–24, Feb 76

Temperature-sensitive changes in surface modulating assemblies of fibroblasts transformed by mutants of Rous sarcoma virus. Edelman GM, et al. **Proc Natl Acad Sci USA** 73(6):2047–51, Jun 76

Effect of oncogenic virus on muscle differentiation. Holtzer H, et al. **Proc Natl Acad Sci USA** 72(10):4051–5, Oct 75

Proliferation of Rous sarcoma virus-infected, but not of normal, chicken fibroblasts in oxygen-enriched environment: preliminary report. Mitchell RS, et al. **Proc Natl Acad Sci USA** 73(4):1265–8, Apr 76

Location of envelope-specific and sarcoma-specific oligonucleotides on RNA of Schmidt-Ruppin Rous sarcoma virus. Wang LH, et al. **Proc Natl Acad Sci USA** 73(2):447–51, Feb 76

Calcium-dependent regulatory protein of cyclic nucleotide metabolism in normal and transformed chicken embryo fibroblasts. Watterson DM, et al. **Proc Natl Acad Sci USA** 73(8):2711–5, Aug 76

Results of investigations concerning the oncogenicity for mice and hamsters of nuclei acid preparations extracted from chicken sarcoma induced by the Carr (Zilber) and Bryan strains of Rous sarcoma virus (RSV). Nastac E, et al. **Rev Roum Virol** 25(4):323–8, 1974

Glycerol phosphate shuttle in virus-transformed cells in culture. Bissell MJ, et al. **Science** 191(4229):856–8, 27 Feb 76

Studies on the presence of viral antibodies in patients with various forms of malignant neoplasia. Stoian M, et al. **Virologie** 26(2):125–36, 1975

[Lysis of Rous sarcoma virus in the presence of anti-chicken fibroblast serum and complement] Aupoix M, et al. **C R Acad Sci [D] (Paris)** 282(14):1379–82, 5 Apr 76 (Eng. Abstr.) **(Fre)**

[Morphological and cytochemical characteristics of human cells transformed and made malignant by Rous and polyoma viruses] Karazhas NV, et al. **Tsitologiia** 17(7):829–34, Jul 75 (Eng. Abstr.) **(Rus)**

[Study of prolonged storage of the Rous sarcoma virus] Zelenskiĭ VP, et al. **Veterinariia** (8):36, Aug 75 **(Rus)**

[Ultramorphometry of cells in a hamster embryo fibroblast culture following transformation by Rous sarcoma virus] Iagubov AS, et al. **Vopr Onkol** 21(7):62–6, 1975 (Eng. Abstr.) **(Rus)**

[Quantitative cytochemical detection of enzymes in cultured cells following infection with Rous virus] Kolodin VI, et al. **Vopr Onkol** 21(9):65–72, 1975 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electron microscopy of Rous sarcoma virus genome RNA and its heat-dissociated subunits. Kanzaki Y. **Acta Med Okayama** 29(5):377–89, Oct 75

Mapping of the genome of Prague Rous sarcoma virus B. Billeter MA, et al. **Ann Microbiol (Paris)** 127A(1):5–6, Jan 76

Characterization and comparison of the major glycoprotein from three strains of Rous sarcoma virus. Krantz MJ, et al. **Arch Biochem Biophys** 174(1):66–73, May 76

Electron microscope measurements of rous sarcoma virus RNA. Delius H, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:835–43, 1975

Determination of the molecular weight of the RNA subunits of Rous sarcoma virus by electron microscopy. Jacobson AB, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:845–6, 1975

Studies on the structure and synthesis of Rous sarcoma virus RNA. Weissmann C, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1043–56, 1975

High molecular weight RNAs from Rous sarcoma virus and Moloney murine leukemia virus contain two subunits. King AM. **J Biol Chem** 251(1):141–9, 10 Jan 76

All intact subunit RNAs from Rous sarcoma virus contain poly (A). King AM, et al. **J Biol Chem** 251(1):150–2, 10 Jan 76

Purification of tryptophan transfer RNA from chick cells and its identity with 'spot 1' RNA of Rous sarcoma virus. Waters LC, et al. **J Biol Chem** 250(16):6627–9, 25 Aug 75

Genetic Transformation as a tool for detection of Neisseria gonorrhoeae. Janik A, et al. **J Clin Microbiol** 4(1):71–81, Jul 76

A physical map of the Rous sarcoma virus genome. Coffin JM, et al. **J Mol Biol** 100(3):293–318, 25 Jan 76

Mapping RNase T1-resistant oligonucleotides of avian tumor virus RNAs: sarcoma-specific oligonucleotides are near the poly(A) end and oligonucleotides common to sarcoma and transformation-defective viruses are at the poly(A) end. Wang LH, et al. **J Urol** 16(4):1051–70, Oct 75

Nucleotide sequence that binds primer for DNA synthesis to the avian sarcoma virus genome. Cordell B, et al. **J Virol** 19(2):548–58, Aug 76

Subunit structure of the glycoprotein complex of avian tumor virus. Leamnson RN, et al. **J Virol** 18(3):956–68, Jun 76

Hydrodynamic diameters of murine mammary, Rous sarcoma, and feline leukemia RNA tumor viruses: studies by laser beat frequency light-scattering spectroscopy and electron microscopy. Salmeen I, et al. **J Virol** 17(2):584–96, Feb 76

Virus-dependent glycosylation. Sefton BM. **J Virol** 17(1):85–93, Jan 75

Ribonucleotide sequence homology among avian oncornaviruses. Shoyab M, et al. **J Virol** 17(1):106–113, Jan 75

Structure of B77 sarcoma virus RNA: stabilization of RNA after packaging. Stoltzfus CM, et al. **J Virol** 16(5):1161–70, Nov 75

Evidence of methylation of B77 avian sarcoma virus genome RNA subunits. Stoltzfus CM, et al. **J Virol** 18(2):586–95, May 76

Use of alkaline sucrose gradients in a zonal rotor to detect integrated and unintegrated avian sarcoma virus-specific DNA in cells. Varmus HE, et al. **J Virol** 18(2):574–85, May 76

Blocked, methylated 5'-terminal sequence in avian sarcoma virus RNA. Furuichi Y, et al. **Nature** 257(5527):618–20, 16 Oct 75

Mapping of biological functions on RNA of avian tumor viruses: location of regions required for transformation and determination of host range. Joho RH, et al. **Proc Natl Acad Sci USA** 72(12):4772–6, Dec 75

Identification of the 5' end of Rous sarcoma virus RNA. Keith J, et al. **Proc Natl Acad Sci USA** 72(9):3347–50, Sep 75

The origin of 7 S RNA in virions of avian sarcoma viruses. Erikson E, et al. **Virology** 72(2):518–22, 15 Jul 76

[DNA form of the genome of oncornaviruses] Hill M, et al. **Bull Cancer (Paris)** 62(2):183–94, Apr-Jun 75 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Treatment of RSV-transformed 'poorly' virogenic and non-virogenic mammalian cell lines with inhibitors of protein synthesis: failure to potentiate RSV rescue. Donner L, et al. **Folia Biol (Praha)** 21(4):283–6, 1975

ENZYMOLOGY

Elimination of residual RNase activity from purified preparations of RNA-directed DNA polymerase. Collett MS, et al. **Biochem Biophys Res Commun** 67(3):946–55, 1 Dec 75

Partial purification and characterization of DNA polymerases from a Rous sarcoma virus-transformed rat cell line. Bandyopadhyay AK. **Biochim Biophys Acta** 407(1):1–13, 12 Sep 75

Temperature-sensitive DNA polymerase from Rous sarcoma virus mutants. pp. 267–72. Baltimore D, et al. **In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rouse sarcoma virus: lack of influence of RNase H. Collett MS, et al. **J Virol** 17(1):291–5, Jan 75

Initiation of DNA synthesis by the avian oncornavirus RNA-directed DNA polymerase: tryptophan tRNA as the major species of primer RNA. Folk WR, et al. **J Virol** 17(3):1049–51, Mar 76

In vitro synthesis of full-length DNA transcripts of Rous sarcoma virus RNA by viral DNA polymerase. Junghans RP, et al. **Proc Natl Acad Sci USA** 72(12):4895–9, Dec 75

Protein kinase and its regulatory effect on reverse transcriptase activity of Rous sarcoma virus. Lee SG, et al. **Proc Natl Acad Sci USA** 72(8):2945–9, Aug 75

Infectious DNA coding for a temperature-sensitive DNA polymerase of the coordinate LA335 mutant of Rous sarcoma virus (RSV). Hillova J, et al. **Virology** 67(1):292–6, Sep 75

Infectious DNA coding for a temperature-sensitive DNA polymerase of the coordinate LA335 mutant of Rous sarcoma virus (RSV). Hillova J, et al. **Virology** 67(1):292–6, Sep 75

GROWTH & DEVELOPMENT

Properties and kinetics of development of Rous sarcoma virus-infected cells evidenced by methylene blue staining. Barlati S, et al. **Intervirology** 6(1):25–31, 1975–1976

Characteristics of infection by RSV. III. Duration of the latent period in unsynchronized chick embryo fibroblasts. Goldé A. **Intervirology** 5(3–4):185–93, 1975

2-Deoxy-D-glucose uptake by chick embryo cells: a biochemical indicator of genetic susceptibility to RNA tumour viruses. Pani PK, et al. **J Gen Virol** 32(1):97–107, Jul 76

Chicken egg yolk enhances focus formation by subgroup B, C and D rous sarcoma viruses. Sandelin K. **J Gen Virol** 32(1):109–20, Jul 76

Presence of chicken cell surface antigen on Rous virus activated in heterokaryons of transformed non-permissive hamster cells and chicken cells. Vigier P, et al. **J Gen Virol** 28(2):265–9, Aug 75

Detection of type A oncornavirus-like structures in chicken embryo cells after infection with Rous sarcoma virus. Maul GG, et al. **J Urol** 16(4):1071–4, Oct 75

Cooperative transformation studies with temperature-sensitive mutants of Rous sarcoma virus. Balduzzi PC. **J Virol** 18(1):332–43, Apr 76

Inhibition of infectious Rous sarcoma virus production by rifamycin derivative. Szabo C, et al. **J Virol** 18(2):445–53, May 76

Avian leukosis viruses of different subgroups and types isolated after passage of Rous sarcoma virus-Rous-associated virus-0 in cells from different ring-necked pheasant embryos. Temin HM, et al.

J Virol 19(2):302–12, Aug 76

High spontaneous mutation rate of an avian sarcoma virus. Zarling DA, et al. **J Virol** 17(1):74–84, Jan 75

Effect of restriction endonucleases on infectivity of Rous sarcoma virus DNA. Kopecka H, et al. **Nature** 262(5563):72–4, 1 Jul 76

Neoplastic transformation of mouse embryo cells by virus released from tumorigenic mouse cells transformed by avian sarcoma virus B77. Smida J, et al. **Neoplasma** 22(6):571–8, 1975

Transformation-defective mutants of avian sarcoma viruses: the genetic relationship between conditional and nonconditional mutants. Bernstein A, et al. **Virology** 70(1):206–9, Mar 76

Characterization of a conditional mutant of Rouse sarcoma virus with alterations in early and late functions of cell transformation. Bookout JB, et al. **Virology** 67(2):474–86, Oct 75

Growth stimulation of chicl embryo neuroretinal cells infected with Rous sarcoma virus: relationship to viral replication and morphological transformation. Calothy G, et al. **Virology** 71(1):336–45, May 76

The defective maturation of viral progeny with a temperature-sensitive mutant of avian sarcoma virus. Friis RR, et al. **Virology** 73(1):259–72, Aug 76

A novel type of cellular variant with altered expression of virus-induced cell transformation. Graf T, et al. **Virology** 72(1):283–6, 1 Jul 76

Inhibition of avian sarcoma virus replication by glucosamine: a specific effect on the synthesis and processing of viral proteins. Hayman MJ, et al. **Virology** 71(2):402–11, Jun 76

An avian sarcoma virus mutant that is temperature sensitive for virion assembly. Hunter E, et al. **Virology** 69(1):35–49, Jan 76

A line of ring-necked pheasant cells susceptible to infection by avian oncornaviruses. Linial M. **Virology** 73(2):548–52, Sep 76

IMMUNOLOGY

The expression of avian gs antigen in mammalian Rous sarcoma virus-transformed cells after treatment with 5-iododeoxyuridine and dexamethasone. Sovová V, et al. **Folia Biol (Praha)** 21(5):324–8, 1975

Formation of an infectious virus-antibody complex with Rous sarcoma virus and antibodies directed against the major virus glycoprotein. Schlesinger MJ. **J Virol** 17(3):1063–7, Mar 76

The presence of complement fixing antibodies to Rous sarcoma virus (Schmidt-Ruppin strain) in patients with various forms of neoplasia. Nastac E, et al. **VIROLOGIE** 26(1):47–50, 1975

Subgroup-specific antigenic determinants of avian RNA tumor virls structural proteins: analysis of virus recombinants. Hayman MJ, et al. **Virology** 73(2):372–80, Sep 76

Group-specific antigenic determinants of the large envelope glycoprotein of avian oncornaviruses. Rohrschneider L, et al. **Virology** 67(1):234–41, Sep 75

Thymus and bursa of Fabricius responses in chickens with non-tumoral forms of Rous sarcoma virus infections. Giurgea R, et al. **Zentralbl Veterinaermed [B]** 22(6):448–54, Aug 75

ISOLATION & PURIFICATION

Viruses harboured in blasts of the rat myelogenous leukemia (RBA-Le), induced by chicken sarcoma virus. Hlavayová E, et al. **Neoplasma** 22(6):607–20, 1975

Mammalian tropism of B77(RBI) virus. Expression of virus genome in the hamster sarcoma cell clones. Svec J, et al. **Neoplasma** 22(2):133–45, 1975

METABOLISM

Transcription of the Rous sarcoma virus genome in vitro and in vivo. Bishop JM, et al. **Bibl Haematol** (40):517–23, 1975

Location of envelope-specific and other sequences on the RNA of Schmidt-Ruppin Rous sarcoma virus. Wang LH, et al. **Bibl Haematol** (43):542–8, Oct 75

Comparison of DNA in the core component from Schmidt-Ruppin RSV transforming virus and non-transforming virus. Deeney AO, et al. **Biochem Biophys Res Commun** 71(3):733–7, 9 Aug 76

Activation and repression of virus expression in mammalian cells infected by Rous sarcoma virus. Boettiger D. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1169–72, 1975

Infectious DNA from cells infected with Rous sarcoma virus, reticuloendotheliosis virus or Rous-associated virus-O. Cooper GM, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1027–32, 1975

Structure and properties of an RNA primer for initiation of Rous sarcoma virus DNA synthesis in vitro. Dahlberg JE, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:925–32, 1975

Infectious viral DNA in Rous sarcoma virus-transformed nonproducer and producer animal cells. Hill M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1015–25, 1975

The chick fibroblast cell surface after transformation by Rous sarcoma virus. Robbins PW, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1173–80, 1975

Problems of RSV rescue from virogenic mammalian cells. Svoboda J, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1077–83, 1975

Genetic recombination among temperature-sensitive mutnats of Rous sarcoma virus. Wyke JA, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:897–905, 1975

Integration of avian sarcoma virus specific DNA in mammalian chromatin. de la Maza LM, et al. **Exp Cell Res** 93(2):484–6, Jul 75

The provirus of Rous sarcoma virus: synthesis, integration and transcription. pp. 255–65. Bishop JM, et al. **In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

Avian tumor virus interactions with chicken fibroblast plasma membranes. Moldow CF, et al. **J Supramol Struct** 4(4):497–506, 1976

Plaque assay of avian sarcoma viruses using casein. Balduzzi PC, et al. **J Virol** 16(3):707–11, Sep 75

In vitro transcription of DNA from the 70S RNA of Rous sarcoma virus: identification and characterization of various size classes of DNA transcripts. Collett MS, et al. **J Virol** 16(5):1220–8, Nov 75

Viral glycoprotein synthesis studies in an established line of Japanese quail embryo cells infected with the Bryan high-titer strain of Rous sarcoma virus. Halpern MS, et al. **J Virol** 18(2):504–10, May 76

Site on the RNA of an avian sarcoma virus at which primer is bound. Taylor JM, et al. **J Virol** 16(3):553–8, Sep 75

Unintegrated viral DNA is synthesized in the cytoplasm of avian sarcoma virus-transformed duck cells by viral DNA polymerase. Varmus HE, et al. **J Virol** 18(2):567–73, May 76

Initiation sites of Rous sarcoma virus RNA-directed DNA synthesis in vitro. Cashion LM, et al. **Nature** 262(5565):186–90, 15 JUL 76

Interaction of tryptophan transfer RNA with Rous sarcoma virus 35S RNA. Eiden JJ, et al. **Nature** 259(5540):245–7, 22 Jan 76

Isolation of nucleic acid-binding protein: stimulation of reverse transcriptase-catalysed DNA synthesis. Hung PP, et al. **Nature** 259(5543):499–502, 12 Feb 76

Surface ruffles as markers for studies of cell transformation by Rous sarcoma virus. Ambros VR, et al. **Proc Natl Acad Sci USA** 72(8):3144–8, Aug 75

Rous sarcoma virus activates embryonic globin genes in chicken fibroblasts. Groudine M, et al. **Proc Natl Acad Sci USA** 72(11):4464–8, Nov 75

Independent regulation of endogenous and exogenous avian RNA tumor virus genes. Hayward WS, et al. **Proc Natl Acad Sci USA** 73(7):2259–63, Jul 76

A structural change of the plasma membrane induced by oncogenic viruses: quantitative studies with the freeze-fracture technique. Torpier G, et al. **Proc Natl Acad Sci USA** 72(5):1695–8, May 75

The DNA provirus hypothesis. Temin HM. **Science** 192(4244):1075–80, 11 Jun 76

PATHOGENICITY

Interactions between endogenous baboon type-C virus and oncogenic viruses. I. Syncytium induction and development of infectivity assay. Ahmed M, et al. **Int J Cancer** 16(5):747–55, 15 Nov 75

Infectivity of Rous sarcoma cell DNA: comparison of two techniques of transfection assay. Hillova J, et al. **Intervirology** 5(6):367–74, 1975

The role of the tvb locus in genetic resistance to RSV(RAV-O). Crittenden LB, et al. **Virology** 67(2):327–34, Oct 75

ULTRASTRUCTURE

Relationship between A-type and C-type particles in cells infected by Rous sarcoma virus. de Giuli C, et al. **Proc Natl Acad Sci USA** 72(9):3706–10, Sep 75

ROWSON-PARR VIRUS see **FRIEND VIRUS**

ROXARSONE see under **ARSENICALS**

RUBBER

Mortality among rubber workers. I. White male union employees in Akrob, Ohio. Monson RR, et al. **Am J Epidemiol** 103(3):284–96, Mar 76

Mortality among rubber workers. II. Other employees. Monson RR, et al. **Am J Epidemiol** 103(3):297–303, Mar 76

Letter: Reaction of acetylcysteine with rubber. Subra RE. **Am J Hosp Pharm** 33(2):117, Feb 76

Cinnamoyl derivatives produced as saponification artifacts during gas chromatographic analysis of esterified cinnamic acid from Hoya latices. Warnaar F. **Anal Biochem** 71(2):533–9, Apr 76

Ethylene oxide degassing of rubber and plastic materials. Stetson JB, et al. **Anesthesiology** 44(2):174–80, Feb 76

Orthodontic elastic materials. Wong AK. **Angle Orthod** 46(2):196–205, Apr 76

Distribution of peripheral blood latex-ingesting cells, T cells, and B cells in patients with myasthenia gravis. Koziner B, et al. **Ann NY Acad Sci** 274:411–20, 1976

Studies of respiratory morbidity in rubber workers. Part III. Respiratory morbidity in processing workers. Fine LJ, et al. **Arch Environ Health** 31(3):136–40, May-Jun 76

Methane fermentation of rubber (Hevea brasiliensis) latex effluent. Rajagopalan K. **Can J Microbiol** 22(3):342–6, Mar 76

Letter: 'The case of the latex gloves' in scintillation counting. Dewhurst PB, et al. **Clin Chem** 22(4):552, Apr 76

Treatment of haemorrhoids by rubber band ligation. Panda AP, et al. **Digestion** 12(2):85–91, 1975

Ozone deterioration. Hoover DJ. **Hosp Top** 54(3):45–6, May-Jun 76

Advances in synthetic rubber. pp. 287–303. Morton M. **In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 1643p 1974.** (16 ref.)

Lesser toe latex shield made with tubular gauze. Polokoff MM. **J Am Podiatry Assoc** 66(2):104–5, Feb 76

Removal of gastric foreign body from a dog, using a fiberoptic endoscope. Silverstein FE, et al. **J Am Vet Med Assoc** 168(5):433–4, 1 Mar 76

The quest for a new impression rubber. Braden M. **J Dent** 4(1):1–4, Jan 76

Luminescence of tyre marks and other rubber contact traces. Lloyd JB. **J Forensic Sci Soc** 16(1):5–19, Jan 76

Interference by butyl rubber stoppers in GLC analysis for theophylline. Chrzanowski F, et al. **J Pharm Sci** 65(5):735–6, May 76

The effect of sample preparation on the result of the hemolytic test. Jaworska E. **Polim Med** 4(2):103–7, 1974

Rubberized fencing as a gastrointestinal obstruction in a young horse. Getty SM, et al. **Vet Med Small Anim Clin** 71(2):221–3, Feb 76

[Use of synthetic latex LBS 3022 in anatomical technic] Nižankowski C, et al. **Polim Med** 5(3):241–6, 1975 (Eng. Abstr.) **(Pol)**

[Toxicity and mechanism of action of N-maleimide derivatives—new vulcanizing agents for synthetic rubber] Kel'man GIa, et al. **Gig Sanit** (11):109–11, Nov 75 **(Rus)**

[Spectrophotometric determination of Leukanol in the waste waters from the emulsion polymerization manufacture of rubbers] Travnikova JI, et al. **Gig Sanit** (2):113–4, Feb 75 **(Rus)**

[Data for hygienic standarization of chloroprenic latexes] Volkova A, et al. **Gig Sanit** (4):45–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Clinical morphological characteristics of occupational dermatoses caused by sulfenamide C] Prishchepov VF, et al. **Gig Tr Prof Zabol** (4):34–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Mycoses of the feet and occupational dermatoses in workers of rubber industry] Sheklakov ND, et al. **Vestn Dermatol Venerol** (10):30–5, Oct 75 **(Rus)**

[Comparative toxicological characteristics of new rubber vulcanization accelerators, triazinthion and bis-triazine] Verbilov AA. **Vrach Delo** (6):132–4, Jun 74 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Bladder cancer in rubber workers. Do screening and doctors' awareness distort the statistics? Fox AJ, et al. **Lancet** 1(7967):1009–11, 8 May 76

[Rubber boots—cause of occupational eczema. Allergogenic and capillarotoxic effect of 4010 NA Antioxidant] Jirásek L, et al. **Cesk Dermatol** 50(5):303–12, Oct 75 (Eng. Abstr.) **(Cze)**

[Hypersensitivity to rubber] Nater JP. **Berufsdermatosen** 23(5):161–68, Oct 75 (Eng. Abstr.) **(Ger)**

[Continuous erythemato-squamous acrodermatitis sicca and rubber allergy] Grussendorf EI. **Z Hautkr** 50(11):467–71, 1 Jun 75 **(Ger)**

[Problems of industrial hygiene in the rubber industry] Fantuzzi A, et al. **Med Lav** 66(4):336–8, Jul-Aug 75 **(Ita)**

[Changes in the organ of vision in persons working with synthetic urethane rubber] Mel'nikova ND. **Oftalmol Zh** 30(6):465–7, 1975 (Eng. Abstr.) **(Rus)**

[Sensitivity to rubber components in construction workers (review of 100 cases)] Conde-Salazar Gomez L, et al. **Actas Dermosifiliogr** 67(5–6):297–310, May-Jun 76 (Eng. Abstr.) **(Spa)**

ANALYSIS

Isolation of ingenol from the irritant and cocarcinogenic latex of Euphorbia seguieriana. Upadhyay RR, et al. **Planta Med** 30(1):32–4, Aug 76

STANDARDS

Extraction rates of marker compounds from rubber closures for parenteral use. II. mechanism of extraction and evaluation of select extraction parameters. Boyett JB, et al. **Bull Parenter Drug Assoc** 30(4):169–79, Jul-Aug 76

TOXICITY

Respiratory morbidity in rubber workers: II. Pulmonary function in curing workers. Fine LJ, et al. **Arch Environ Health** 31(1):10–4, Jan-Feb 76

Respiratory morbidity in rubber workers: I. Prevalence of respiratory symptoms and disease in curing workers. Fine LJ, et al. **Arch Environ Health** 31(1):5–9, Jan-Feb 76

[Introduction of standards for toxic substances in aqueous extracts of rubber] Sanotskil IV, et al. **Gig Sanit** (8):79–82, Aug 75 **(Rus)**

[Experimental study of the toxicity and fibrousness of the dust of the preparatory shops in tire plants] Shirokov IuG, et al. **Gig Tr Prof Zabol** (5):48–50, May 74 **(Rus)**

RUBBER, SILICONE see **SILICONE ELASTOMERS**

RUBEFACIENTS see under **IRRITANTS**

RUBELLA

Recent implications of intrauterine and postnatal rubella. Forrest JM, et al. **Aust Paediatr J** 11(2):65–75, Jun 75 (145 ref.)

Rubella: current problems and recent developments. Marshall WC. **Br J Clin Pract** 30(3):56–9, Mar 76

The Rubella Law revisited: a perfect model of bad medical legislation. Fischer-Pap L. **Ill Med J** 148(4):464–6, Oct 75

Rubella and its prevention. Rawls WE, et al. **Indian Pediatr** 12(4):299–310, Apr 75 (135 ref.)

Rubella. Boniuk V. **Int Ophthalmol Clin** 15(4):229–41, Winter 75 (18 ref.)

Clinical, epidemiological and sero-virological studies on rubella. Okuni H, et al. **Med J Osaka Univ** 25(1–2):33–42, Dec 74

The 'torch syndrome. Shin YH, et al. **Pediatr Ann** 5(2):106–13, Feb 76

[Editorial: Rubella—a still current problem] Leerhoy J. **Ugeskr Laeger** 138(12):761–2, 15 Mar 76 **(Dan)**

[Preconception rubella as a possible cause of fetal malformations] Pedersen SN, et al. **Ugeskr Laeger** 138(29):1762–4, 12 Jul 76 (Eng. Abstr.) **(Dan)**

[Personal experience with therapeutic abortion in cases of rubella] Darbois Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):943–54, Sep 74 **(Fre)**

[Considerations on the rubella epidemic in Piemont in 1973] Moiraghi-Ruggenini A, et al. **G Batteriol Virol Immunol** 68(1–6):101–7, Jan–Jun 75 **(Ita)**

[Rubella and rubella syndrome] Ueda K. **J Jpn Assoc Infect Dis** 49(10):391–3, Oct 75 **(Jpn)**

COMPLICATIONS

Carotid artery thrombosis, encephalitis, myelitis and optic neuritis associated with rubella virus infections. Connolly JH, et al. **Brain** 98(4):583–94, Dec 75

Rubella as an aetiological factor of congenital malformation in Calcutta—a serological study. Chakrabarty MS, et al. **Indian J Med Res** 63(10):1438–45, Oct 75

Tooth morphology in rubella syndrome children. Gullikson JS. **J Dent Child** 42(6):479–82, Nov–Dec 75

Role of rubella in congenital malformations in India. Chaturvedi UC, et al. **J Hyg (Camb)** 76(1):33–40, Feb 76

Syndrome of intrahepatic biliary dysgenesis and cardiovascular malformations. Greenwood RD, et al. **Pediatrics** 58(2):243–7, Aug 76

Rubella polyneuropathy. Tomlinson IW. **Postgrad Med J** 51(591):30–2, Jan 75

Cataracts in early childhood: etiology and genetic aspects. Jay B. **Proc R Soc Med** 69(4):268–9, Apr 76

Effects of rubella virus on the human fetus. Marshall WC. **Proc R Soc Med** 68(6):369–71, Jun 75

Rubella in a case of paroxysmal nocturnal haemoglobinuria. Mungall IP. **Scand J Infect Dis** 8(2):121–3, 1976

[Arthritis in viral diseases] Mladenovic V, et al. **Reumatizam** 22(4):135–9, 1975 (Eng. Abstr.) **(Cro)**

[Mass incidence of congenital heart defects in neonates at the town of Kladno in 1972 (author's transl)] Strauss J, et al. **Cesk Epidemiol Mikrobiol Imunol** 25(1):1–9, Jan 76 (Eng. Abstr.) **(Cze)**

[Congenital deafness caused by rubella embryopathy] Duriez-Fromaget MF. **Rev Laryngol Otol Rhinol (Bord)** 96(5–6):295–309, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Unilateral reversible high-tone loss after rubella in adults (author's transl)] Alk GP. **Laryngol Rhinol Otol (Stuttg)** 54(5):379–84, May 75 (Eng. Abstr.) **(Ger)**

[Etiology of stenosis of the pulmonary valve and branches: malformation due to rubella] pp. 495–507. Radice C. **In: Campoio L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972.** **(Ita)**

[Consumption coagulopathies and connatal infections] Console V, et al. **Minerva Pediatr** 27(31):1710–6, 6 Oct 75 **(Ita)**

[A case of neuraxitis caused by rubella] Gardoni L, et al. **Minerva Pediatr** 27(25):1385–91, 4 Aug 75 **(Ita)**

[Thrombocytopenic purpura following rubella infection in a child (author's transl)] Kubota K, et al. **Jpn J Clin Hematol** 16(7):731–5, Jul 75 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Administration of interferon to an infant with congenital rubella syndrome involving persistent viremia and cutaneous vasculitis. Larsson A, et al. **Acta Paediatr Scand** 65(1):105–10, Jan 76

Rubella reinfection during pregnancy. A case of mistaken diagnosis of congenital rubella. Biano S, et al. **Am J Dis Child** 129(11):1353–6, Nov 75

Letter: Congenital rubella. Buchta RM. **Am J Dis Child** 130(9):1036–7, Sep 76

Congenital rubella associated with hypsarrhythmia. Oates RK, et al. **Arch Dis Child** 51(1):77–79, Jan 76

Immediate and long-range effects of maternal viral infection in pregnancy. Hardy JB. **Birth Defects** 12(5):23–31, 1976

Rubella 1974 and its aftermath, congenital rubella syndrome. Faulkner RS, et al. **Can Med Assoc J** 114(2):115–9, 24 Jan 76

Congenital rubella in the United States. pp. 1–22. Cooper LZ. **In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.**

Congenital rubella in the United Kingdom of Great Britain. pp. 23–34. Dudgeon JA. **In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.**

Letter: Congenital rubella and acquired hypothyroidism secondary to Hashimoto thyroiditis. Comas AP. **J Pediatr** 88(6):1065–6, Jun 76

Congenital rubella. Dudgeon JA. **J Pediatr** 87(6 PT 2):1078–86, Dec 75 (35 ref.)

Letter: Thyroiditis and congenital rubella syndrome. Nieburg PI, et al. **J Pediatr** 89(1):156, Jul 76

Letter: Thyrotoxicosis in congenital rubella. Ziring PR, et al. **J Pediatr** 87(6 Pt 1):1002, Dec 75

Seven-year follow-up study of rubella syndrome in Ryukyu with special reference to persistence of rubella hemagglutination inhibition antibodies. Ueda K, et al. **Jpn J Microbiol** 19(3):181–5, Jun 75

Letter: Rashes in congenital rubella. Vaccaro R, et al. **Lancet** 2(7946):1215, 13 Dec 75

Editorial: Chronic progressive rubella panencephalitis. **Med J Aust** 2(12):461–2, 20 Sep 75

Editorial: Rubella vaccine—the risk to the fetus. **Med J Aust** 1(21):771–2, 22 May 76

Letter: Preconceptional rubella. Leary PM, et al. **S Afr Med J** 49(55):2249–50, 27 Dec 75

Congenital rubella—an encapsulated review. Korones SB. **Teratology** 14(1):111–4, Aug 76

[Congenital rubella] Kováčová O. **Cesk Pediatr** 30(9):424–6, Sep 75 (Eng. Abstr.) **(Cze)**

[Rubella problems in medical practice (author's transl)] Buser F. **Praxis** 64(4):88–93, 28 Jan 75 (Eng. Abstr.) **(Ger)**

[The congenital rubella syndrome] Danon Y, et al. **Harefuah** 89(1):30–2, 1 Jul 75 **(Heb)**

DIAGNOSIS

Serologic studies in 11,460 pregnant women during the 1972 rubella epidemic in Israel. Fogel A, et al. **Am J Epidemiol** 103(1):51–9, Jan 76

Simple procedure for the removal of nonspecific inhibitors of rubella virus hemagglutination. Allen R, et al. **J Clin Microbiol** 2(6):524–7, Dec 75

Large-scale production of rubella precipitinogens and their use in the diagnostic laboratory. Cappel R, et al. **J Clin Microbiol** 1(2):201–5, Feb 75

Rapid separation of immunoglobulin M from immunoglobulin G antibodies for reliable diagnosis of recent rubella infections. Frisch-Niggemeyer W. **J Clin Microbiol** 2(5):377–81, Nov 75

Evaluation of the hemolysis-in-gel test for the screening of rubella immunity and the demonstration of recent infection. Grillner L, et al. **J Clin Microbiol** 3(2):86–90, Feb 76

The detection and avoidance of false-positive reactions in tests for rubella-specific IgM. Pattison JR, et al. **J Med Microbiol** 9(3):355–7, Aug 76

Editorial: Rubella in early pregnancy. **J R Coll Gen Pract** 25(160):783–4, Nov 75

$21,472 for undiagnosed German measles? **Med Times** 103(10):58, 62, Oct 75

Rubella-associated retinitis in an adult: report of a case. Gerstle C, et al. **Mt Sinai J Med NY** 43(3):303–8, May–Jun 76

[Value of the fractionation of serum immunoglobulins for the diagnosis of rubella infection in pregnant women. Critical study] Nicolas JC, et al. **Nouv Presse Med** 5(27):1683–6, 3–10 Jul 76 (Eng. Abstr.) **(Fre)**

[A quick and reliable method to recognize recent and older infections with rubella virus (author's transl)] Frisch-Niggemeyer W, et al. **Immun Infekt** 2(5):231–7, Nov 74 (Eng. Abstr.) **(Ger)**

[The role of rubella specific IgM within the serological diagnosis of rubella (German measles) (authors transl)] Niesen M, et al. **Immun Infekt** 3(6):264–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Diagnostic possibilities for the prevention and identification of intrauterine infections (author's transl)] Lennartz H. **Munch Med Wochenschr** 117(47):1871–4, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[Virological and serological diagnosis of rubella] Jachertz D. **Praxis** 64(4):94–7, 28 Jan 75 (Eng. Abstr.) **(Ger)**

[Diagnosis of rubella by demonstrating rubella-specific 19 S and 7 S antibodies (author's transl)] Dibbert HJ. **Zentralbl Bakteriol [Orig A]** 234(2):145–58, Mar 76 (Eng. Abstr.) **(Ger)**

[Studies on 209 subjects for an early diagnosis of rubella virus infections] Nigro N, et al. **Minerva Pediatr** 27(1):1–15, 14 Jan 75 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Viral antibody titers to rubella in coxa plana or Perthes' disease. Perthes diseases: is it the late osseous redidua of a minor prenatal rubella? Matsoukas JA. **Acta Orthop Scand** 46(6):957–62, Dec 75

Evaluation of an immunodiffusion test for screening of rubella immunity. Grandien M, et al. **Acta Pathol Microbiol Scand [C]** 84(2):153–60, Apr 76

Age-related immunity to measles, mumps and rubella in Middle American and United States children. Kenny MT, et al. **Am J Epidemiol** 103(2):174–80, Feb 76

Rubella antibody status in an Angola population. Escudeiro CC, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1043–4, Nov 75

Immunoglobulin responses after rubella infection. Cradock-Watson JE, et al. **Ann NY Acad Sci** 254:385–93, 30 Jun 75

A simple method for detecting antibodies to rubella. Voller A, et al. **Br J Exp Pathol** 56(4):338–9, Aug 75

Enzyme-immunoassays for antibodies in measles, cytomegalovirus infections and after rubella vaccination. Voller A, et al. **Br J Exp Pathol** 57(2):243–7, Apr 76

Letter: Rubella antibody tests in pregnancy. McSwiggan DA, et al. **Br Med J** 2(6028):174, 17 Jul 76

Epidemiological studies on rubella. Chagnon A, et al. **Can Med Assoc J** 102(9):933–8, 9 May 70

Antibody status to poliomyelitis, measles, rubella, diphtheria and tetanus, Ontario, 1969–70: deficiencies discovered and remedies required. MacLeod DR, et al. **Can Med Assoc J** 113(7):619–23, 4 Oct 75

Detection of rubella-specific serum IgG and IgA and nasopharyngeal IgA responses using a radioactive single radial immunodiffusion technique. Al-Nakib W, et al. **Clin Exp Immunol** 22(2):293–301, Nov 75

Immunofluorescence test for IgM rubella antibodies in whole serum after absorption with anti-gammaFc. Gispen R, et al. **Clin Exp Immunol** 22(3):431–7, Dec 75

Cell-mediated immune response following natural rubella and rubella vaccination. Honeyman MC, et al. **Clin Exp Immunol** 17(4):665–71, Aug 74

Cell-mediated immune response following natural rubella and rubella vaccination. Honeyman MC, et al. **Clin Exp Immunol** 17(4):665–71, Aug 74

Cytotoxic activity against rubella-infected cells in the supernatants of human lymphocyte cultures stimulated by rubella virus. Kanra GY, et al. **Clin Exp Immunol** 19(1):17–32, Jan 75

Cell-mediated immunity in rubella assayed by cytotoxicity of supernatants from rubella virus-stimulated human lymphocyte cultures. Vesikari T, et al. **Clin Exp Immunol** 19(1):33–43, Jan 75

Lymphocyte-mediated cytotoxicity to viruses in patients with multiple sclerosis: presence of a blocking factor. Rola-Pleszczynski M, et al. **Clin Immunol Immunopathol** 5(2):165–72, Mar 76

The susceptibility of adolescent girls to rubella. Observations on 297 girls in Toronto. Stoffman JM, et al. **Clin Pediatr (Phila)** 15(7):625–6, Jul 76

Rapid method to detect rubella immunoglobulin M and immunoglobulin A antibodies. Schmitz H, et al. **J Clin Microbiol** 1(2):132–5, Feb 75

Hemolysis-in-gel test for the demonstration of antibodies to rubella virus. Strannegård O, et al. **J Clin Microbiol** 1(6):491–4, Jun 75

Proceedings: Aspects of rubella immunity in wales. Munro JA. **J Clin Pathol** 28(9):756, Sep 75

Elution patterns of rubella IgM, IgA, and IgG antibodies from a dextran and an agarose gel. Pattison JR, et al. **J Clin Pathol** 28(8):670–3, Aug 75

Specific immunoglobulins in infants with the congenital rubella syndrome. Cradock-Watson JE, et al. **J Hyg (Camb)** 76(1):109–23, Feb 76

Persistence of antibody induced by rubella vaccine (Wistar RA 27/3 strain) after six years. Hillary IB, et al. **J Hyg (Camb)** 75(3):407–11, Dec 75

Reactions to rubella vaccine and persistence of antibody in virgin-soil populations after vaccination and wild-virus-induced immunization. Black FL, et al. **J Infect Dis** 133(4):393–8, Apr 76

Rubella antibody assay by the immunoperoxidase technique: comparison with the hemagglutination inhibition test for determination of immune status. Gerna G, et al. **J Infect Dis** 133(4):469–72, Apr 76

Immunity to intranasal challenge with Rubella virus two years after vaccination: comparison of three vaccines. Grillner L. **J Infect Dis** 133(6):637–41, Jun 76

Immunity to intranasal challenge with Rubella virus two years after vaccination: comparison of three vaccines. Grillner L. **J Infect Dis** 133(6):637–41, Jun 76

Letter: Pigeon erythrocytes for rubella haemagglutination inhibition tests. Hambling MH. **Lancet** 2(7934):561, 20 Sep 75

Letter: A non-specific inhibitor or rubella haemagglutinn in day-old chick cells. Saeed AA, et al. **Lancet** 2(7931):413–4, 30 Aug 75

Letter: A non-specific inhibitor of rubella haemagglutinin. White GB, et al. **Lancet** 2(7936):664, 4 Oct 75

Rubella antibody tests in family planning clinics. Mayon-White RT, et al. **Practitioner** 216(1293):317–20, Mar 76

[Separation of antirubella IGM antibodies by affinity chromatography] Barros MF, et al. **Biomedicine [Express]** 23(5):184–8, 10 Jun 75 (Eng. Abstr.) **(Fre)**

[Studies on optimising rubella virus haemagglutination-inhibitor tests] Leidel J, et al. **Dtsch Med Wochenschr** 101(38):1387–9, 17 Sep 76 (Eng. Abstr.) **(Ger)**

[Letter: Rubeola embryopathy] Thalhammer O. **Dtsch Med Wochenschr** 100(44):2299, 31 Oct 75 **(Ger)**

[Seroimmunity against rubella 5 years after immunisation with Cendehill vaccine (author's transl)] Sarateanu DE, et al. **Immun Infekt** 3(2):51–3, Apr 75 (Eng. Abstr.) **(Ger)**

[High titer cold agglutinins with anti-pr specificity after rubella infection (author's transl)] Geisen HP, et al. **Klin Wochenschr** 53(16):767–72, 15 Aug 75 (Eng. Abstr.)

(Ger)
[Use of sindbis virus as a means of checking complete elimination of unspecific inhibitors in the rubella hemagglutination inhibition test (author's transl)] Schneweis KE, et al. **Z Immunitaetsforsch** 144(1):75–87, Jul 72 (Ger)
[The use of hemagglutination inhibition tests and complement fixation tests for evaluation of immunity states and diagnosis of recent rubella infections] Măgureanu E, et al. **Rev Ig [Bacteriol]** 20(3):183–6, Jul–Sep 75 (Eng. Abstr.) (Rum)

OCCURRENCE

An extensive rubella epidemic in Israel, 1972: selected epidemiologic characteristics. Swartz TA. **Am J Epidemiol** 103(1):60–6, Jan 76
Letter: Rubella in Canada. White F, et al. **Can Med Assoc J** 114(6):498, 20 Mar 76
Seroepidemiological study of rubella in Calcutta. Chakravarty MS, et al. **Indian J Med Res** 64(1):87–92, Jan 76
Rubella: pattern of outbreak in a university. Chretien JH, et al. **South Med J** 69(8):1042–4, Aug 76
[The absence of Sindbis virus from French Polynesia] Kaeuffer H, et al. **Bull Soc Pathol Exot** 68(3):259–62, May–Jun 75 (Eng. Abstr.) (Fre)
[Studies on rubella. 1. Epidemiological pattern and seroepidemiology of a rubella outbreak in Toyama Prefecture in 1967 (author's transl)] Matsuda M, et al. **Virus (Tokyo)** 24(1):8–19, Apr 74 (Eng. Abstr.) (Jpn)
[Rubella] Rudnicka H. **Przegl Epidemiol** 30(1):105–7, 1976 (Pol)

PATHOLOGY

Morphologic alterations of experimental rubella syndrome in rabbits. Machado R, et al. **Morphol Embryol (Bucur)** 22(1):41–5, Jan–Mar 76

PREVENTION & CONTROL

Proceedings: Rubella surveillance and vaccination at adolescence. Rauh JL, et al. **Acta Paediatr Scand [Suppl]** (256):27–8, 1975
Unresolved issues in the first five years of the rubella immunization program. Siegel M. **Am J Obstet Gynecol** 124(4):327–32, 15 Feb 76
Controlling rubella: problems and perspectives. Horstmann DM. **Ann Intern Med** 83(3):412–7, Sep 75
Letter: Rubella antibody tests in pregnancy. Thomas WR. **Br Med J** 2(6030):300, 31 Jul 76
Experiences from vaccination and revaccination of teenage girls with three different rubella vaccines. Böttiger M, et al. **J Biol Stand** 4(2):107–14, Apr 76
Exaggerated antibody response following rubella vaccination in a child with sinus histiocytosis with massive lymphadenopathy. Sumaya CV, et al. **J Pediatr** 89(1):81–3, Jul 76
Letter: Rubella immunization. Bader M. **JAMA** 235(3):248, 19 Jan 76
Measles and rubella eradication in Alaska. Eisenberg M, et al. **JAMA** 235(2):179–80, 12 Jan 76
Rubella immunization. Persistence of antibody four years after a large-scale field trial. Herrmann KL, et al. **JAMA** 235(20):2201–4, 17 May 76
Letter: Rubella immunization. Johns LH. **JAMA** 235(22):2389–90, 31 May 76
Letter: Rubella vaccination. Nitzlin JL. **JAMA** 235(7):704, 16 Feb 76
Parity of women contracting rubella in pregnancy. Implications with respect to rubella vaccination. Marshall WC, et al. **Lancet** 1(7971):1231–3, 5 Jun 76
Letter: Rubella vaccination policies. **N Engl J Med** 294(20):1126–8, 13 May 76
Letter: Antenatal rubella. Dawson JB. **N Engl J Med** 294(1):54–5, 1 Jan 76
Letter: Rubella vaccination during pregnancy. Quinnan GV Jr, et al. **N Engl J Med** 295(7):396, 12 Aug 76
Benefit-cost analysis of rubella vaccination policy. Schoenbaum SC, et al. **N Engl J Med** 294(6):306–10, 5 Feb 76
Community medicine: screening for rubella on a university campus. McKusick MJ. **Postgrad Med** 59(3):200, 202, 204–5, Mar 76
The control of diphtheria, tetanus, poliomyelitis, measles, rubella and mumps Dudgeon JA. **Practitioner** 215(1287):299–309, Sep 75 (37 ref.)
Immune responses of mentally retarded subjects to measles, mumps and rubella vaccines. Sinha SK, et al. **Wis Med J** 74(7):75–7, Jul 75
[Vaccination against rubella] Reginster M. **Rev Med Liege** 29(13):387–90, 1 Jul 74 (Fre)
[Investigations on the influence of Rh immunoglobulin prophylaxis on the immune response to postpartum rubella vaccination (author's transl)] Maroni E, et al. **Geburtshilfe Frauenheilkd** 35(11):821–5, Nov 75 (Eng. Abstr.) (Ger)
[1st results with a combined live vaccine against measles, mumps, and rubella] Stehr K, et al. **Monatsschr Kinderheilkd** 123(5):410–2, May 75 (Ger)
[Vaccination against rubella (author's transl)] Just M. **Praxis** 64(4):84–7, 28 Jan 75 (Eng. Abstr.) (Ger, Fre)
[Current state of the world's experiences with vaccination against rubella] Nassi L, et al. **Ann Sclavo** 17(1):17–33, Jan–Feb 75 (Eng. Abstr.) (Ita)
[Vaccination against rubella] Orstavik I. **Tidsskr Nor Laegeforen** 95(19–21):1164–6, 10 Jul 75 (Eng. Abstr.) (Nor)
[Has gamma globulin any preventive value for pregnant women exposed to rubella?] Forsgren M, et al. **Lakartidningen** 73(5):308–11, 28 Jan 76 (Eng. Abstr.) (Swe)

RUBELLA VACCINE

Proceedings: Rubella surveillance and vaccination at adolescence. Rauh JL, et al. **Acta Paediatr Scand [Suppl]** (256):27–8, 1975
Efficacy and immune response to rubella subunits vaccines. Cappel R, et al. **Arch Virol** 50(3):207–13, 1976
Studies on live rubella vaccine. VI. Seroepidemiological surveillance and immunization of adolescents in high school. Minekawa Y, et al. **Biken J** 18(3):149–54, Sep 75
Vaccination of schoolgirls against rubella. Assessment of serological status and a comparative trial of Wistar RA 27/3 and Cendehill strain live attenuated rubella vaccines in 13-year-old schoolgirls in Dudley. Freestone DS, et al. **Br J Prev Soc Med** 29(4):258–61, Dec 75
Cell-mediated immune response following natural rubella and rubella vaccination. Honeyman MC, et al. **Clin Exp Immunol** 17(4):665–71, Aug 74
Cell-mediated immune response following natural rubella and rubella vaccination. Honeyman MC, et al. **Clin Exp Immunol** 17(4):665–71, Aug 74
Measles, mumps and rubella virus vaccines prepared from virus produced by unit process. McAleer WJ, et al. **J Biol Stand** 3(4):381–4, 1975
Exaggerated antibody response following rubella vaccination in a child with sinus histiocytosis with massive lymphadenopathy. Sumaya CV, et al. **J Pediatr** 89(1):81–3, Jul 76
Letter: Rubella vaccination policies. **N Engl J Med** 294(20):1126–8, 13 May 76
Long-term follow-up for immunity after monovalent or combined live measles, mumps, and rubella virus vaccines. Weibel RE, et al. **Pediatrics** 56(3):380–7, Sep 75
[The choice of vaccine for post partum rubella vaccination (author's transl)] Hofmann H, et al. **Wien Klin Wochenschr** 87(10):332–3, 16 May 75 (Ger)
[Experience in the isolation and attenuation of the rubella strain 'Orlov'] Meshalova VN. **Tr Leningr Inst Epidemiol Mikrobiol** 42:137–43, 1973 (Rus)
[Methods of preparation and cultivation of tissue cultures from rabbit kidney for manufacturing purposes] Nifontova AI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:150–5, 1973 (Rus)
[Optimal conditions for the production and storage of rubella vaccine] Nifontova AI. **Tr Leningr Inst Epidemiol Mikrobiol** 42:144–9, 1973 (Rus)

ADMINISTRATION & DOSAGE

Clinical evaluation of a new measles-mumps-rubella trivalent vaccine. Schwarz AJ, et al. **Am J Dis Child** 129(12):1408–12, Dec 75
Clinical evaluation of a new measles-mumps-rubella combined live virus vaccine in the Dominican Republic. Ehrenkranz NJ, et al. **Bull WHO** 52(1):81–5, 1975
A field with a liver measles-mumps-rubella vaccine. Walters VW, et al. **Clin Pediatr (Phila)** 14(10):928–33, Oct 75
Clinical trials carried out to assess non-parenteral routes for administration of Wistar RA 27/3 strain live attenuated rubella vaccine. Freestone DS. **Dev Biol Stand** 33:237–40, 1976
Intranasal versus subcutaneous rubella vaccination in schoolgirls. Midulla M, et al. **Dev Biol Stand** 33:241–8, 1976
Vaccination by non-parenteral routes: characteristics of immune response. Ogra PL, et al. **Dev Biol Stand** 33:19–26, 1976
[Vaccination against rubella] Reginster M. **Rev Med Liege** 29(13):387–90, 1 Jul 74 (Fre)
[Current state of the world's experiences with vaccination against rubella] Nassi L, et al. **Ann Sclavo** 17(1):17–33, Jan–Feb 75 (Eng. Abstr.) (Ita)
[Simultaneous administration at different dosages of attenuated live virus vaccines against measles, mumps and rubella] Ramos-Alvarez M, et al. **Bol Med Hosp Infant Mex** 33(4):875–86, Jul–Aug 76 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Unresolved issues in the first five years of the rubella immunization program. Siegel M. **Am J Obstet Gynecol** 124(4):327–32, 15 Feb 76
Reactions to rubella vaccine and persistence of antibody in virgin-soil populations after vaccination and wild-virus-induced immunization. Black FL, et al. **J Infect Dis** 133(4):393–8, Apr 76
Rubella vaccine in postpubertal women. Experience in Western Washington State. Fox JP, et al. **JAMA** 236(7):837–43, 16 Aug 76
Editorial: Rubella vaccine—the risk to the fetus. **Med J Aust** 1(21):771–2, 22 May 76
Risk of congenital abnormality after inadvertent rubella vaccination of pregnant women. Modlin JF, et al. **N Engl J Med** 294(18):972–4, 29 Apr 76
Letter: Rubella vaccination during pregnancy. Quinnan GV Jr, et al. **N Engl J Med** 295(7):396, 12 Aug 76

PHARMACODYNAMICS

Suppression of cell-mediated immunity after infection with attenuated rubella virus. Ganguly R, et al. **Infect Immun** 13(2):464–9, Feb 76
Immunity to intranasal challenge with Rubella virus two years after vaccination: comparison of three vaccines. Grillner L. **J Infect Dis** 133(6):637–41, Jun 76
Immunity to intranasal challenge with Rubella virus two years after vaccination: comparison of three vaccines. Grillner L. **J Infect Dis** 133(6):637–41, Jun 76

STANDARDS

Newer viral vaccines: measles, mumps and rubella. Krugman S. **Praxis** 64(5):124–8, 4 Feb 75
Neutralizing antibodies after rubella vaccination of newly delivered women: a comparison between three vaccines. Grillner L. **Scand J Infect Dis** 7(3):169–72, 1975

THERAPEUTIC USE

Experiences from vaccination and revaccination of teenage girls with three different rubella vaccines. Böttiger M, et al. **J Biol Stand** 4(2):107–14, Apr 76
Persistence of antibody induced by rubella vaccine (Wistar RA 27/3 strain) after six years. Hillary IB, et al. **J Hyg (Camb)** 75(3):407–11, Dec 75
[Vaccination against rubella (author's transl)] Just M. **Praxis** 64(4):84–7, 28 Jan 75 (Eng. Abstr.) (Ger, Fre)
[Vaccination against rubella] Orstavik I. **Tidsskr Nor Laegeforen** 95(19–21):1164–6, 10 Jul 75 (Eng. Abstr.) (Nor)

RUBELLA VIRUS

Morphology, biochemical analysis and neuraminidase activity of rubella virus. Bardeletti G, et al. **Arch Virol** 49(2–3):175–86, 1975
Morphologic alterations of experimental rubella syndrome in rabbits. Machado R, et al. **Morphol Embryol (Bucur)** 22(1):41–5, Jan–Mar 76
[Case of subacute encephalitis caused by rubella virus] pp. 29–31. Lebon P, et al. **In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974.** (Fre)
[Effect of the replication of rubella virus on the protein biosynthesis of BHK 21 cell cultures] Hermsdorf S, et al. **Acta Biol Med Ger** 34(6):941–9, 1975 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Growth of rubella virus in primary rabbit kidney cell cultures maintained with and without calf serum. Filczak K, et al. **Acta Microbiol Pol [A]** 8(1):79–86, 1976
Failure of rubella virus to replicate in mosquitos. Tesh RB, et al. **Intervirology** 5(3–4):216–9, 1975
Growth of rubella, measles and mumps viruses in rat fetus. Sato H, et al. **Jpn J Med Sci Biol** 29(1):39–44, Feb 76
Evidence for hybrid formation between rubella virus and a latent virus of BHK21/WI-2 cells. Sato M, et al. **Virology** 69(2):691–9, Feb 76

IMMUNOLOGY

Immunoglobulin responses after rubella infection. Cradock-Watson JE, et al. **Ann NY Acad Sci** 254:385–93, 30 Jun 75
Rubella antibody levels in juvenile rheumatoid arthritis. Linnemann CC Jr, et al. **Ann Rheum Dis** 34(4):354–8, Aug 75
Prevalence of rubella virus antibodies in selected regions of Poland including urban and rural areas. Kańtoch M, et al. **Arch Immunol Ther Exp (Warsz)** 23(5):639–44, 1975
Efficacy and immune response to rubella subunits vaccines. Cappel R, et al. **Arch Virol** 50(3):207–13, 1976
Studies on live rubella vaccine. VI. Seroepidemiological surveillance and immunization of adolescents in high school. Minekawa Y, et al. **Biken J** 18(3):149–54, Sep 75
A simple method for detecting antibodies to rubella. Voller A, et al. **Br J Exp Pathol** 56(4):338–9, Aug 75
Influence of albumin on rubella virus hemagglutination and the hemagglutination-inhibition test. Campbell JB, et al. **Can J Microbiol** 21(8):1172–7, Aug 75
Cell-mediated immune response following natural rubella and rubella vaccination. Honeyman MC, et al. **Clin Exp Immunol** 17(4):665–71, Aug 74
Cytotoxic activity against rubella-infected cells in the supernatants of human lymphocyte cultures stimulated by rubella virus. Kanra GY, et al. **Clin Exp Immunol** 19(1):17–32, Jan 75
Clinical trials carried out to assess non-parenteral routes for administration of Wistar RA 27/3 strain live attenuated rubella vaccine. Freestone DS. **Dev Biol Stand** 33:237–40, 1976
Seroepidemiological study of rubella in Calcutta. Chakravarty MS, et al. **Indian J Med Res** 64(1):87–92, Jan 76
Simple procedure for the removal of nonspecific inhibitors of rubella virus hemagglutination. Allen R, et al. **J Clin Microbiol** 2(6):524–7, Dec 75
Large-scale production of rubella precipitinogens and their

use in the diagnostic laboratory. Cappel R, et al. **J Clin Microbiol** 1(2):201–5, Feb 75

Rapid method to detect rubella immunoglobulin M and immunoglobulin A antibodies. Schmitz H, et al. **J Clin Microbiol** 1(2):132–5, Feb 75

Evaluation of a rubella hemagglutination inhibition test system. Smith JA, et al. **J Clin Microbiol** 3(1):5–7, Jan 76

Hemolysis-in-gel test for the demonstration of antibodies to rubella virus. Strannegård O, et al. **J Clin Microbiol** 1(6):491–4, Jun 75

An alternative method for inactivating heteroagglutinins in human sera applicable to rubella haemagglutination inhibition testing at low dilutions. Mortimer PP. **J Clin Pathol** 29(5):417–22, May 76

Immunity to intranasal challenge with Rubella virus two years after vaccination: comparison of three vaccines. Grillner L. **J Infect Dis** 133(6):637–41, Jun 76

Immunity to intranasal challenge with Rubella virus two years after vaccination: comparison of three vaccines. Grillner L. **J Infect Dis** 133(6):637–41, Jun 76

Rubella immunization. Persistence of antibody four years after a large-scale field trial. Herrmann KL, et al. **JAMA** 235(20):2201–4, 17 May 76

A comparative study of methods used for removing non-specific inhibitors of rubella haemagglutination from human sera. Doherty N, et al. **Med Lab Technol** 32(4):317–20, Oct 75

[Anti-rubella antibodies in CSF in multiple sclerosis patients] pp. 33–5. Lebon P, et al. **In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974.** **(Fre)**

[A quick and reliable method to recognize recent and older infections with rubella virus (author's transl)] Frisch-Niggemeyer W, et al. **Immun Infekt** 2(5):231–7, Nov 74 (Eng. Abstr.) **(Ger)**

[Seroimmunity against rubella 5 years after immunisation with Cendehill vaccine (author's transl)] Sarateanu DE, et al. **Immun Infekt** 3(2):51–3, Apr 75 (Eng. Abstr.) **(Ger)**

[Use of sindbis virus as a means of checking complete elimination of unspecific inhibitors in the rubella hemagglutination inhibition test (author's transl)] Schneweis KE, et al. **Z Immunitaetsforsch** 144(1):75–87, Jul 72 **(Ger)**

[Hemagglutination inhibiting antibodies of Rubella virus in a sample of female population in the Province of Modena] Aggazzotti-Zanasi G, et al. **Nuovi Ann Ig Microbiol** 26(1):1–6, Jan-Feb 75 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Evidence for an infectious etiology of rheumatoid arthritis. Hamerman D. **Ann NY Acad Sci** 256:25–38, 13 Jun 75 (125 ref.)

Rubella virus identification in primary and continuous monkey kidney cell cultures by immunoperoxidase technique. Gerna G. **Arch Virol** 49(2–3):291–5, 1975

RUBEOLA see **MEASLES**

RUBIDIUM

A gas target assembly for the production of high purity, high specific activity 81Rb. Gindler JE, et al. **Int J Appl Radiat Isot** 27(5–6):330–2, May-Jun 76

Production of rubidium-81 by the reaction 85Rb(p, 5n) 81Sr and decay of 81Sr. Schneider RJ, et al. **Int J Appl Radiat Isot** 27(3):189–91, Mar 76

ANALYSIS

Subcellular localization of diffusible ions in the yeast Saccharomyces cerevisiae: quantitative microprobe analysis of thin freeze-dried sections. Roomans GM, et al. **J Cell Sci** 21(1):119–27, Jun 76

BLOOD

[Atomic absorption spectrophotometry of rubidium levels in several biological media. Technical problems and preliminary results] Chechan C, et al. **C R Soc Biol (Paris)** 169(4):991–6, 1975 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Noninvasive detection of regional myocardial ischemia using rubidium-81 and the scintillation camera: comparison with stress electrocardiography in patients with arteriographically documented coronary stenosis. Berman DS, et al. **Circulation** 52(4):619–26, Oct 75

Application of Rb86 clearance method for measuring regional renal blood flow. Nakamura M, et al. **Int J Nucl Med Biol** 3(1):40–3, Jan 76

Letter: Theoretical basis for regional blood flow measurement by use of the ratio of 81Rb: 81mKr. Spencer RP, et al. **Int J Nucl Med Biol** 3(1):55–6, Jan 76

Sequential feline esophageal nutrient blood flow: perfusion measurements in vivo. Harell GS, et al. **Invest Radiol** 11(3):216–24, May-Jun 76

A comparison of 82Rb+ and 13NH3 for myocardial positron scintigraphy. Budinger TF, et al. **J Nucl Med** 16(5):429–31, May 75

Dosimetry of four heart-imaging radionuclides: 43K, 81Rb, 129Cs, and 201Ti. Feller PA, et al. **J Nucl Med** 16(11):1070–5, Nov 75

[Preliminary observations on changes in pancreatic blood flow studied with the use of rubidium (Rb86) in acute experimental pancreatitis] Valente U, et al. **Minerva Chir** 31(5):167–77, 15 Mar 76 **(Ita)**

METABOLISM

Distribution and retention of exogenously administered alkali metal ions in the mouse brain. Messiha FS. **Arch Int Pharmacodyn Ther** 219(1):87–96, Jan 76

A study of the effects of propranolol and/or K®1366 on the distribution of Rb86 clearance in the canine heart under selective coronary hypotension. Tomoike H, et al. **Arzneim Forsch** 25(5):765–9, May 75

(3H)Ouabain binding and 86rubidium uptake during the cell gorwth cycle in L5178Y murine lymphoblasts. Banerjee SP, et al. **Biochim Biophys Acta** 433(1):200–4, 16 Apr 76

The effect of ethanol on ion transport in frog skin. Boyett JD, et al. **Biochim Biophys Acta** 436(3):686–95, 1 Jul 76

Kinetics of ion translocation across charged membranes mediated by a two-site transport mechanism. Effects of polyvalent cations upon rubidium uptake into yeast cells. Theuvenet AP, et al. **Biochim Biophys Acta** 426(4):745–56, 5 Apr 76

Rubidium transport and ouabain binding in normal and virally transformed mouse fibroblasts. Banerjee SP, et al. **Exp Cell Res** 100(1):153–8, Jun 76

In vitro rubidium uptake by erythrocytes following low level x-ray exposure. Mettler FA Jr, et al. **Health Phys** 30(5):401–4, May 76

Exodus of 42K+ and 86Rb+ from rat thymic and human blood lymphocytes exposed to phytohemagglutinin. Segel GB, et al. **J Cell Physiol** 87(3):337–43, Mar 76

Kinetic analysis of carrier-mediated ion transport by the charge-pulse technique. Benz R, et al. **J Membr Biol** 27(1–2):171–91, 9 Jun 76

An extended kinetic analysis of valinomycin-induced Rb-transport through monoglyceride membranes. Knoll W, et al. **J Membr Biol** 25(3–4):249–70, 1975–76

Effects of (Na+ + K+)-ATPase-specific antibodies of enzymatic activity and monovalent cation transport. Smith TW, et al. **J Membr Biol** 25(3–4):341–60, 1975–76

Distribution of liposome-entrapped cations in tumor-bearing mice. Kimelberg HK, et al. **Life Sci** 17(5):715–23, 1 Sep 75

Serum rapidly stimulates ouabain-sensitive 86-RB+ influx in quiescent 3T3 cells. Rozengurt E, et al. **Proc Natl Acad Sci USA** 72(11):4492–5, Nov 75

Cardiac glycosides: relationship among active 86Rb uptake, (Na+,K+)-ATPase activity, and inotropy in guinea pig heart. Akera T, et al. **Recent Adv Stud Cardiac Struct Metab** 9:337–44, 1976

Rubidium redistribution after suprarenal caval ligation in the rat. Olin T, et al. **Scand J Urol Nephrol** 9(1):71–4, 1975

[Binding of Rb86 by a microsomal fraction of bovine cerebral cortex cells] Mirsalikhova NM, et al. **Tsitologiia** 17(11):1328–9, Nov 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Activation of wheat germ acetyl CoA carboxylase by potassium and rubidium. Nielsen NC, et al. **Biochem Biophys Res Commun** 68(1):205–10, 12 Jan 76

Effect of lithium and rubidium on the sleeping time caused by various intravenous anaesthetics in the mouse. Männistö PT, et al. **Br J Anaesth** 48(3):185–9, Mar 76

Effect of rubidium on responses of rabbit vas deferens to transmural stimulation and to noradrenaline. Johns A, et al. **Eur J Pharmacol** 35(1):145–50, Jan 76

Onset of audiogenic seizures in rodents after intake of near-toxic doses of rubidium chloride. Alexander GJ, et al. **J Pharmacol Exp Ther** 194(3):480–7, Sep 75

Potentiation by lithium and protection by rubidium of digitalis intoxication. Osman FH, et al. **Jpn J Exp Med** 46(1):1–6, Feb 76

Norepinephrine metabolism in mouse heart after lithium and rubidium treatment. Levitt M, et al. **Neuropsychobiology** 1(3):188–95, 1975

Alkali metal ions and ethanol narcosis in mice. Messiha FS. **Pharmacology** 14(2):153–7, 1976

Effect of lithium and other alkali metals on brain chemistry and behavior. II. Intracranial self-stimulation behavior. Edelson A, et al. **Psychopharmacologia** 45(3):233–7, 2 Feb 76

THERAPEUTIC USE

Proceedings: Rubidium in psychiatry. Souček K, et al. **Act Nerv Super (Praha)** 17(4):261–2, 1975

[Rubidium in psychiatry (author's transl)] Krulík R, et al. **Cesk Psychiatr** 71(5):330–7, Oct 75 (Eng. Abstr.) **(Cze)**

[Rubidium chloride and Parkinson's disease. Preliminary data] Casacchia M, et al. **Acta Neurol (Napoli)** 30(6):615–8, Nov-Dec 75 (Eng. Abstr.) **(Ita)**

[Pharmacologic action of rubidium chloride. Antidepressive effect: comparison with imipramine] Carolei A, et al. **Clin Ter** 75(5):469–78, 15 Dec 75 **(Ita)**

RUBIDOMYCIN see **DAUNOMYCIN**

RUBINSTEIN-TAYBI SYNDROME see under **ABNORMALITIES, MULTIPLE**

RUBRATOXINS see under **MYCOTOXINS**

RUBREDOXINS see under **FERREDOXINS**

RUFFINI'S CORPUSCLES see under **THERMORECEPTORS**

RUFOCROMOMYCIN see **STREPTONIGRIN**

RUMEN

The effect of cold exposure of sheep on digestion, rumen turnover time and efficiency of microbial synthesis. Kennedy PM, et al. **Br J Nutr** 36(2):231–42, Sep 76

The effects of processing of barley-based supplements on rumen pH, rate of digestion of voluntary intake of dried grass in sheep. Orskov ER, et al. **Br J Nutr** 34(3):493–500, Nov 75

A review of bloat in cattle. Howarth RE. **Can Vet J** 16(10):281–94, Oct 75 (104 ref.)

Bloat in cattle. XVII. Wheat pasture bloat and its prevention with poloxalene. Bartley EE, et al. **J Anim Sci** 41(3):752–9, Sep 75

Effects of intracarotid or intraruminal injections of NaCl or NaHCO3 on sodium appetite in goats. Baldwin BA. **Physiol Behav** 16(1):59–66, Jan 76

Observations on the ensilage and feeding to sheep of partially dewatered rumen contents. Wilson RK, et al. **Proc Nutr Soc** 35(1):17A–18A, May 76

[Pathomorphologic changes in calves with ruminal acidosis for fattening] Dzhurov A. **Vet Med Nauki** 12(7):61–8, 1975 (Eng. Abstr.) **(Bul)**

ANALYSIS

[Effect of potato starch on the level of volatile fatty acids and ammonia in sheep's rumen] Juśko-Grundboeck J, et al. **Pol Arch Weter** 18(1):97–105, 1975 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Dissection technique for examination of the bovine ruminoreticulum. McGavin MD, et al. **J Anim Sci** 42(2):535–8, Feb 76

ENZYMOLOGY

Xylanase (hemicellulase) activity in cell-free rumen fluid. Morrison IM. **Carbohydr Res** 47(1):129–39, Mar 76

GROWTH & DEVELOPMENT

Effect of 1,2-propanediol on the rumen mucosal growth of kids. Hamada T. **J Dairy Sci** 58(9):1352–9, Sep 75

Factors influencing growth of rumen, liver, and other organs in kids weaned from milk replacers to solid foods. Hamada T, et al. **J Dairy Sci** 59(6):1110–8, Jun 76

METABOLISM

Passage of the intravenously administered 15N urea into the digestive tract and its excretion in the sheep. Kowalczyk J, et al. **Acta Physiol Pol** 26(3):299–306, May-Jun 75

Ammonia, pH and volatile fatty acids in the bovine rumen after feeding with hay. Jensen K. **Acta Vet Scand** 16(2):258–68, 1975

Transfer of drugs across the ruminal wall in goats. Jenkins WL, et al. **Am J Vet Res** 36(12):1771–6, Dec 75

Ruminal and plasma concentrations of 3-methylindole associated with tryptophan-induced pulmonary edema and emphysema in cattle. Yokoyama MT, et al. **Am J Vet Res** 36(9):1349–52, Sep 75

Separation and determination of mass and radioactivity of fermentation gases. Czerkawski JW, et al. **Anal Biochem** 67(2):476–84, Aug 75

The role of plant particles, bacteria and cell-free supernatant fractions of rumen contents in the hydrolysis of trilinolein and the subsequent hydrogenation of linoleic acid. Harfoot CG, et al. **Antonie van Leeuwenhoek** 41(4):533–42, 1975

On the contribution of the acrylate pathway to the formation of propionate from lactate in the rumen of cattle. Prins RA, et al. **Antonie van Leeuwenhoek** 42(1–2):25–31, 1976

Oil coating of dietary protein for the ruminant. Peterson BJ, et al. **Int J Vitam Nutr Res** 45(3):349–56, 1975

Chemical composition and digestibility of ryegrass straw. Han YW, et al. **J Agric Food Chem** 23(5):928–41, Sep-Oct 75

Effect of monensin fed with forage on digestion and the ruminal ecosystem of steers. Donius DA, et al. **J Anim Sci** 42(1):229–34, Jan 76

Magnesium and calcium utilization in sheep treated with magnesium alloy rumen bullets or fed magnesium sulfate. House WA, et al. **J Anim Sci** 42(2):506–14, Feb 76

Effect of diet on in vitro and in vivo rumen lactate disappearance rate in sheep. Kunkle WE, et al. **J Anim Sci** 42(5):1256–62, May 76

Effects of tallow and urea on in vitro rumen fermentation and nutrient digestion in sheep. Phillips RL, et al. **J Anim Sci** 41(2):588–95, Aug 75

Analyses of rumen fluid from 'sudden death', lactic acidotic and healthy cattle fed high concentrate ration. Wilson JR, et al. **J Anim Sci** 41(5):1249–55, Nov 75

Coffee grounds. I. Effects of coffee grounds on ration digestibility and diuresis in cattle, on in vitro rumen fermentation, and on rat growth. Campbell TW, et al. **J Dairy Sci** 59(8):1452–60, Aug 76

Rumen bypass and protection of proteins and amino acids. Chalupa W. **J Dairy Sci** 58(8):1198–218, Aug 75 (197 ref.)

Effect of urea form and method of feeding on rumen ammonia concentration. Coppock CE, et al. **J Dairy Sci** 59(6):1152–6, Jun 76

Quantitative aspects of nitrogen utilization in ruminants. Hogan JP. **J Dairy Sci** 58(8):1164–77, Aug 75 (62 ref.)

Volatile fatty acid metabolism by rumen mucosa from cattle fed hay or grain. Weigand E, et al. **J Dairy Sci** 58(9):1294–300, Sep 75

Effect of sampling location, time, and method of concentration of ammonia nitrogen in rumen fluid. Wohlt JE, et al. **J Dairy Sci** 59(3):459–64, Mar 76

The effect of acetzolamide on Ion transport across isolated sheep rumen epithelium. Emanović D, et al. **J Physiol (Lond)** 254(3):803–12, Jan 76

The effect of ouabain on ion transport across isolated sheep rumen epithelium. Harrison FA, et al. **J Physiol (Lond)** 249(3):669–77, Aug 75

A method for the in vitro study of drug transfer across ruminal epithelium. Jenkins WL, et al. **J S Afr Vet Assoc** 46(2):153–60, Jun 75

Volatile fatty acid metabolism in sheep. 1. Average daily volatile fatty acid production in the rumen of sheep fed lucerne hay. Van Der Walt JG, et al. **Onderstepoort J Vet Res** 43(1):11–21, Mar 76

The effects of coating mixtures of urea phosphate and urea on the concentrations of ammonia in the rumen liquor and blood of cows. Hemingway RG, et al. **Proc Nutr Soc** 34(2):52A–53A, Sep 75

The composition of ruminal and abomasal fluid from catheterised fetal sheep during the last 50 days of pregnancy. Pearson RA, et al. **Res Vet Sci** 21(1):100–1, Jul 76

Epoxide to olefin: a novel biotransformation in the rumen. Ivie GW. **Science** 191(4230):959–61, 5 Mar 76

Changes in the composition of milk and rumen contents in cows exposed to a high ambient temperature with controlled feeding. Bandaranayaka DD, et al. **Trop Anim Health Prod** 8(1):38–46, Feb 76

Absorption of long-chain fatty acids by rumen epithelium; experimcnts in vivo and in vitro. Goosen PC. **Z Tierphysiol** 35(6):296–302, Oct 75

Observation on protein digestion in the digestive tract of dairy cows. 1. Distribution of amino acids in rumen microbes and digesta. Tamminga S. **Z Tierphysiol** 35(6):337–46, Oct 75

[Effect of a ration with a varying amount of fat and protein of plant and synthetic origin on some indices of ruminal content and of the blood in lactating sheep] Stoikov D, et al. **Vet Med Nauki** 12(10):59–64, 1975 (Eng. Abstr.) **(Bul)**

[In-vitro studies on the break-down of chlormequat (chlorcholinchloride) in the rumen] Ackermann H, et al. **Arch Exp Veterinaermed** 29(3):331–4, Jun 75 (Eng. Abstr.) **(Ger)**

[Genesis and biochemistry of rumen acidosis. 3. Metabolic dynamics of D(–) and L(+) lactic acid following administration of sugars and overfeeding with starch] Giesecke D, et al. **Zentralbl Veterinaermed [A]** 23(05):353–63, Jul 76 (Eng. Abstr.) **(Ger)**

[The eructation mechanism in the sheep. III. The composition of the eructated rumen gases with various ration forming] Kölling K. **Zentralbl Veterinaermed [A]** 22(7):597–604, Sep 75 (Eng. Abstr.) **(Ger)**

[Enzymes involved in digestion of lipids in sheep] Arienti G, et al. **Boll Soc Ital Biol Sper** 51(19):1311–7, 15 Oct 75 **(Ita)**

[Effect of the ruminal amino nitrogen level on the nitrogen passage into the isolated rumen of sheep] Várady J, et al. **Vet Med (Praha)** 20(9):527–37, Sep 75 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Lactic acid-utilizing bacteria in ruminal fluid of a steer adapted from hay feeding to a high-grain ration. Huber TL, et al. **Am J Vet Res** 37(5):611–3, May 76

Ultrastructure of rumen bacterial attachment to forage cell walls. Akin DE. **Appl Environ Microbiol** 31(4):562–8, Apr 76

Inhibitory effects of H2 on growth of Clostridium cellobioparum. Chung KT. **Appl Environ Microbiol** 31(3):342–8, Mar 76

Use of the Hungate anaerobic technique in the isolation of phloroglucinol-negative mutants of Coprococcus species. Thompson LA, et al. **Appl Environ Microbiol** 31(1):21–4, Jan 76

Relationship of lactate dehydrogenase specificity and growth rate to lactate metabolism by Selenomonas ruminantium. **Appl Microbiol** 30(6):916–21, Dec 75

Scanning electron microscope study of bacteria associated with the rumen epithelium of sheep. Bauchop T, et al. **Appl Microbiol** 30(4):668–75, Oct 75

Effects of an abrupt change in ration from all roughage to high concentrate upon rumen microbial numbers in sheep. Grubb JA, et al. **Appl Microbiol** 30(3):404–12, Sep 75

This isolation of a new, low-potential, iron-containing electron-transfer protein from rumen bacteria. Bush RS, et al. **Biochem Biophys Res Commun** 71(1):53–9, 12 Jul 76

Enzymes of 2-oxo acid degradation and biosynthesis in cell-free extracts of mixed rumen micro-organisms. Bush RS, et al. **Biochem J** 157(2):325–31, 1 Aug 76

Amino acid biosynthesis in mixed rumen cultures. Sauer FD, et al. **Biochem J** 150(3):357–72, Sep 75

New inhibitors of methane production by rumen micro-organisms. Development and testing of inhibitors in vitro. Czerkawski JW, et al. **Br J Nutr** 34(3):429–46, Nov 75

New inhibitors of methane production by rumen micro-organisms. Experiments with animals and other practical possibilities. Czerkawski JW, et al. **Br J Nutr** 34(3):447–57, Nov 75

The use of pivalic acid as a reference substance in measurements of production of volatile fatty acids by rumen micro-organisms in vitro. Czerkawski JW. **Br J Nutr** 36(2):311–5, Sep 76

C18 unsaturated fatty acid hydrogenation patterns of some rumen bacteria and their ability to hydrolyse exogenous phospholipid. Hazlewood GP, et al. **Br J Nutr** 35(2):293–7, Mar 76

Frothy feedlot bloat in cattle: production of extracellular polysaccharides and development of viscosity in cultures of Streptococcus bovis. Cheng KJ, et al. **Can J Microbiol** 22(4):450–9, Apr 76

Release of bacterial alkaline phosphatase in the rumen of cattle fed a feedlot bloat-provoking diet or a hay diet. Cheng KJ, et al. **Can J Microbiol** 22(5):764–9, May 76

Products of anaerobic phloroglucinol degradation by Coprococcus sp. Pe15. Tsai CG, et al. **Can J Microbiol** 22(2):159–64, Feb 76

Abomasal protein recovery and microbial protein synthesis in wethers fed high and low quality forage diets. Amos HE, et al. **J Anim Sci** 42(4):970–6, Apr 76

Studies on bovine rumen bacterial urease. Mahadevan S, et al. **J Anim Sci** 42(3):745–53, Mar 76

The isolation and characterization of strains of lipolytic bacteria from the ovine rumen. Henderson C. **J Appl Bacteriol** 39(2):101–9, Oct 75

Insect growth regulators and in vitro volatile fatty acid production. Barker RW, et al. **J Dairy Sci** 59(2):321–3, Feb 76

Synthesis of ruminal microbial protein and volatile fatty acid production in vitro. Harmeyer J, et al. **J Dairy Sci** 59(7):1340–1, Jul 76

Efficiency of energy utilization by mixed rumen bacteria in continuous culture. Isaacson HR, et al. **J Dairy Sci** 58(11):1645–59, Nov 75

Rumen microbial growth rates and yields: effect of amino acids and protein. Maeng WJ, et al. **J Dairy Sci** 59(1):68–79, Jan 76

Factors influencing rumen microbial growth rates and yields: effects of urea and amino acids over time. Maeng WJ, et al. **J Dairy Sci** 59(4):643–7, Apr 76

Factors influencing rumen microbial growth rates and yields: effect of amino acid additions to a purified diet with nitrogen from urea. Maeng WJ, et al. **J Dairy Sci** 59(4):648–55, Apr 76

Dynamics of fermentation of a purified diet and microbial growth in the rumen. Maeng WJ, et al. **J Dairy Sci** 59(4):636–42, Apr 76

Growth and morphology of Streptococcus bovis and of mixed rumen bacteria in the presence of aflatoxin B1, in vitro. Mathur CF, et al. **J Dairy Sci** 59(3):455–8, Mar 76

Fermentation tubes for in vitro digestion of forages. Moore JE, et al. **J Dairy Sci** 59(1):167–9, Jan 76

A rumen linear programming model for evaluation of concepts of rumen microbial function. Reichl JR, et al. **J Dairy Sci** 59(3):439–54, Mar 76

Factors influencing rumen fermentation: effect of hydrogen on formation of propionate. Schulman MD, et al. **J Dairy Sci** 59(8):1444–51, Aug 76

Urease activity in the rumen of sheep and the isolation of ureolytic bacteria. Cook AR. **J Gen Microbiol** 92(1):32–48, Jan 76

The hydrogenation of unsaturated fatty acids by five bacterial isolates from the sheep rumen, including a new species. Kemp P, et al. **J Gen Microbiol** 90(1):100–14, Sep 75

Peptococcus heliotrinreducans, sp. nov., a cytochrome-producing anaerobe which metabolizes pyrrolizidine alkaloids. Lanigan GW. **J Gen Microbiol** 94(1):1–10, May 76

Cultural factors influencing the utilization or production of acetate by Butyrivibrio fibrisolvens. Latham MJ, et al. **J Gen Microbiol** 94(2):380–8, Jun 76

Defined bacterial populations in the rumens of gnotobiotic lambs. Lysons RJ, et al. **J Gen Microbiol** 94(2):257–69, Jun 76

The fine structure of Eadie's ovals isolated from sheep rumen. Munn EA, et al. **J Gen Microbiol** 90(1):41–54, Sep 75

Studies on the rumen flagellate Sphaeromonas communis. Orpin CG. **J Gen Microbiol** 94(2):270–80, Jun 76

Ureolytic bacteria in sheep rumen. van Wyk L, et al. **J Gen Microbiol** 91(2):225–32, Dec 75

In vivo transfer of R factors between Escherichia coli strains inoculated into the rumen of sheep. Smith MG. **J Hyg (Camb)** 75(3):363–70, Dec 75

Effect of molybdate on sulfide production from methionine and sulfate by ruminal microorganisms of sheep. Huisingh J, et al. **J Nutr** 105(9):1199–205, Sep 75

Efficiency of bacterial protein synthesis in the rumen of sheep receiving a diet of sugar beet pulp and barley. Chamberlain DG, et al. **J Sci Food Agric** 27(3):231–8, Mar 76

Chemical composition of microbial matter in the rumen. Czerkawski JW. **J Sci Food Agric** 27(7):621–32, Jul 76

Composition of microbial matter in the rumen. Czerkawski JW. **Proc Nutr Soc** 34(2):62A–63A, Sep 75

Inhibition of the biohydrogenation of dietary C18 unsaturated fatty acids by rumen bacteria using some inhibitors of methanogenesis. Kemp P, et al. **Proc Nutr Soc** 35(1):31A–32A, May 76

Rumen microbial population of lambs given mineral-supplemented diets. Latham MJ, et al. **Proc Nutr Soc** 34(3):113A, Dec 75

The fraction of microbial nitrogen entering the duodenum of sheep. Ling JR, et al. **Proc Nutr Soc** 35(1):39A–40A, May 76

The effect of feeding whole or pelleted barley to lambs on their rumen bacterial populations and pH. Mann SO, et al. **Proc Nutr Soc** 34(2):63A–64A, Sep 75

Trends and innovations in rumen microbiology. Hobson PN. **Soc Appl Bacteriol Symp Ser** 4:125–40, 1976 (12 ref.)

The role of bacteria in the metabolism of rumen entodiniomorphid protozoa. Coleman GS. **Symp Soc Exp Biol** (29):533–58, 1975 (25 ref.)

PARASITOLOGY

Role of choline in the nutrition of the rumen protozoon Entodinium caudatum. Broad TE, et al. **J Gen Microbiol** 92(2):391–7, Feb 76

The uptake and metabolism of glucose, maltose and starch by the rumen ciliate Epidinium ecaudatum caudatum. Coleman GS, et al. **J Gen Microbiol** 96(2):364–74, Aug 76

Studies on the rumen flagellate Neocallimastix frontalis. Orpin CG. **J Gen Microbiol** 91(2):249–62, Dec 75

Rumen ciliates of the tsessebe (Damaliscus lunatus lunatus) in South Africa. van Hoven W. **J Protozool** 22(4):457–62, Nov 75

The effect of methionine hydroxyanalog supplementation of the diet on the concentration of ciliate protozoa in the rumen of sheep. de Vuyst A, et al. **Z Tierphysiol** 35(6):316–21, Oct 75

PHYSIOLOGY

Cardiopulmonary effects of mechanical distension of the rumen in nonanesthetized sheep. Ungerer T, et al. **Am J Vet Res** 37(7):807–10, Jul 76

The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep. Gawthorne JM, et al. **Br J Nutr** 35(1):11–23, Jan 76

The utilization of diets containing acetate salts by growing lambs as measured by comparative slaughter and respiration calorimetry, together with rumen fermentation. Hovell FD, et al. **Br J Nutr** 35(3):343–63, May 76

Rates of production of methane in the rumen and large intestine of sheep. Murray RM, et al. **Br J Nutr** 36(1):1–14, Jul 76

Further studies of the dynamics of nitrogen metabolism in sheep. Nolan JV, et al. **Br J Nutr** 35(1):127–47, Jan 76

Iterative computation of metabolic flux and stoichiometric parameters for alternate pathways in rumen fermentation. Koong LJ, et al. **Comput Programs Biomed** 4(4):209–13, Aug 75

[Influence of barley on the fermentations in the rumen of sheep (author's transl)] De Vuyst A, et al. **Folia Vet Lat** 4(3):426–36, Jul–Sep 74 **(Eng, Fre)**

Insulin release and inhibition of fore-stomach motility in sheep. Weekes TE, et al. **Horm Metab Res** 8(3):238–9, May 76

Exaggerated response of rumino-reticular contraction to medullary stimulation in the buffalo. Sud SC, et al. **Indian J Exp Biol** 14(1):19–21, Jan 76

Digestibility and volatile fatty acids in steers and wethers at 21 and 32 C ambient temperature. Lippke H. **J Dairy Sci** 58(12):1860–4, Dec 75

Effects of fermentation time on in vivo/in vitro relationships. Nelson BD, et al. **J Dairy Sci** 59(2):270–7, Feb 76

Effects of citrus pulp in high urea rations for steers. Pinzon FJ, et al. **J Dairy Sci** 59(6):1100–3, Jun 76

Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. I. Development of a model for predicting nonprotein nitrogen utilization by cattle. Roffler RE, et al. **J Dairy Sci** 58(12):1880–8, Dec 75

Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. III. Influence of intraruminal urea infusion on ruminal ammonia concentration. Roffler RE, et al. **J Dairy Sci** 59(1):80–4, Jan 76

Rumen volatile fatty acids and milk composition from cows fed hay, haylage, or urea-treated corn silage. Schingoethe DJ, et al. **J Dairy Sci** 59(5):894–901, May 76

Simplified method for producing permanent ruminal fistulae. Thyfault HA, et al. **J Dairy Sci** 58(12):1899–901, Dec 75

Proceedings: The rumen as a reservoir during dehydration and rehydration in the camel. Hoppe P, et al. **J Physiol (Lond)** 254(1):76P–77P, Jan 76

Proceedings: Effects of infusion of volatile fatty acids into the rumen on insulin release in sheep. Weekes TE. **J Physiol (Lond)** 254(1):80P–81P, Jan 76

Manipulation of fermentation in the rumen. Harrison DG, et al. **J Sci Food Agric** 27(7):617–20, Jul 76

The effect of bilateral ligation of the parotid duct on phosphorus, sodium and potassium metabolism and acid-base balance in the goat. Sato H. **Jpn J Vet Sci** 37(2):155–64, Apr 75

The protection of dietary casein from degradation in the rumen. Axford RF, et al. **Proc Nutr Soc** 34(2):66A–67A, Sep 75

Some non-protein nitrogen compounds in silage and their metabolism in the bovine rumen. Griffiths TW, et al.

Proc Nutr Soc 35(1):16A–17A, May 76

Glycosyl ureides in ruminant feeding. McAllan AB, et al. **Proc Nutr Soc** 34(2):90A–91A, Sep 75

Metabolism of aromatic compounds in the rumen. Martin AK. **Proc Nutr Soc** 34(2):69A–70A, Sep 75

Rates of rumen fermentation in relation to ammonia concentration. Mehrez AZ, et al. **Proc Nutr Soc** 35(1):40A–41A, May 76

The effect of feeding with whole or pelleted barley on rate of digestion of dried grass in the rumen of sheep. Orskov ER, et al. **Proc Nutr Soc** 34(2):64A–65A, Sep 75

Fermentation products in the rumen of a gnotobiotic lamb dosed with Bacteroides ruminicola. Stewart CS, et al. **Proc Nutr Soc** 34(2):72A–73A, Sep 75

The effect of altering dilution rate on the pattern of fermentation in the rumen. Thompson DJ, et al. **Proc Nutr Soc** 34(3):111A–112A, Dec 75

Manipulation of rumen fermentation for maximum food utilization. Orskov ER. **World Rev Nutr Diet** 22:152–82, 1975 (94 ref.)

ULTRASTRUCTURE

Scanning electron microscopy of ruminal papillae in calves fed various amounts and forms of roughage. McGavin MD, et al. **Am J Vet Res** 37(5):497–508, May 76

[The fine structure of the lymphatics in the rumen wall of the goat] Schnorr B, et al. **Anat Anz** 138(4):271–80, 1975 (Eng. Abstr.) **(Ger)**

RUNAWAY REACTION

Another look at the use of the Minnesota Multiphasic Personality Inventory as an index 'escapism'. Adams TC, et al. **J Clin Psychol** 32(3):580–2, Jul 76

Runaways: a growing social and family problem. Deisher RW. **J Fam Pract** 2(4):255–8, Aug 75

Letter: Runaway children. Hite D. **JAMA** 234(7):706, 17 Nov 75

RUNNING

Achilles tendonitis in runners: a report of five cases. Clancy WG Jr, et al. **Am J Sports Med** 4(2):46–57, Mar–Apr 76

Letter: The heart in athletes. **Ann Intern Med** 83(4):574–5, Oct 75

Fatal myocardial infarction in marathon racing. Green LH, et al. **Ann Intern Med** 84(6):704–6, Jun 76

Letter: Marathon racing and myocardial infarction. Kostrubala T. **Ann Intern Med** 85(3):389–93, Sep 76

Physiological aspects of synthetic tracks. Foot motions during support phase of various running types on different track materials. Haberl R, et al. **Biotelemetry** 1(3):171–8, 1974

The effect of long-distance running on some biochemical variables. Riley WJ, et al. **Clin Chim Acta** 65(1):83–9, 15 Nov 75

Acute blood biochemical alterations in response to marathon running. Maron MB, et al. **Eur J Appl Physiol** 34(3):173–81, 15 Aug 75

Kinematic analyses of running. Dillman CJ. **Exerc Sport Sci Rev** 3:193–218, 1975

Biomechanical and neuromuscular aspects of running. James SL. **Exerc Sport Sci Rev** 1:189–216, 1973

Altered arterial connective tissue in racing greyhound dogs. Fischer GM, et al. **Experientia** 31(12):1426–7, 15 Dec 75

The abuses of orthotic devices. Subotnick SI. **J Am Podiatry Assoc** 65(10):1025–7, Oct 75

Effects of equivalent sea-level and altitude training on VO2max and running performance. Adams WC, et al. **J Appl Physiol** 39(2):262–6, Aug 75

Oxygen uptake measurements during competitive marathon running. Maron MB, et al. **J Appl Physiol** 40(5):836–8, May 76

Heat stroke, disseminated intravascular coagulation and death in a long distance runner. Charan NB, et al. **J Assoc Physicians India** 23(12):917–9, Dec 75

Adrenocortical response to marathon running. Newmark ST, et al. **J Clin Endocrinol Metab** 42(2):393–4, Feb 76

Physiological parameters related to running performance in college trackmen. Gutin B, et al. **J Hum Ergol (Tokyo)** 4(1):27–34, Sep 75

Drinking by dogs during and after running. O'Connor WJ. **J Physiol (Lond)** 250(2):247–59, Sep 75

Injuries to runners. Brubaker CE, et al. **J Sports Med** 2(4):189–98, Jul–Aug 74

Prevention of heat injuries during distance running. A position statement from the American College of Sports Medicine. Gary Jenks. **J Sports Med** 3(4):194–6, Jul–Aug 75

Maximal heart rate and maximal oxygen consumption of long-distance runners and other athletes. Koeslag JH, et al. **J Sports Med Phys Fitness** 16(1):17–21, Mar 76

The decrease in red cell 2,3-diphosphoglycerate concentration in long distance running. Remes K, et al. **J Sports Med Phys Fitness** 15(2):113–6, Jun 75

Respiratory and metabolic responses following marathon running at altitudes. Sousa-Poza M, et al. **J Sports Med Phys Fitness** 15(3):181–91, Sep 75

Plasma cortisol, testosterone, androstenedione and luteinizing hormone (LH) in a non-competitive marathon run. Dessypris A, et al. **J Steroid Biochem** 7(1):33–7, Jan 76

Muscle fiber composition and enzyme activities of elite distance runners. Costill DL, et al. **Med Sci Sports** 8(2):96–100, Summer 76

A cinematographic analysis of overground and treadmill running by males and females. Elliott BC, et al. **Med Sci Sports** 8(2):84–7, Summer 76

Energy cost of running and walking in young women. Falls HB, et al. **Med Sci Sports** 8(1):9–13, Spr 76

Aerobic requirements and maximum aerobic power in treadmill and track running. McMiken DF, et al. **Med Sci Sports** 8(1):14–7, Spr 76

Aerodynamic drag analysis of runners. Shanebrook JR, et al. **Med Sci Sports** 8(1):43–5, Spr 76

Letter: Marathon vs. distance running. **N Engl J Med** 294(2):114–5, 8 Jan 76

Letter: Heart disease in marathon runners. Opie LH. **N Engl J Med** 294(19):1067, 6 May 76

Letter: Heart disease in marathon runners. Scaff JH Jr. **N Engl J Med** 295(2):105, 8 Jul 76

Adaptations of skeletal muscle that favour athletic ability. Gunn HM. **NZ Vet J** 23(11):249–54, Nov 75

Training for running races. Lydiard A. **NZ Vet J** 23(11):260–1, Nov 75

Reaction time and heart rate between the GET SET and GO of simulated races. Stern RM. **Psychophysiology** 13(2):149–54, Mar 76

Validation of distance run tests for elementary school children. Jackson AS, et al. **Res Q Am Assoc Health Phys Educ** 47(1):86–94, Mar 76

Performance outcomes of cross-country running structured in a voluntary activity class. Knowlton RG, et al. **Res Q Am Assoc Health Phys Educ** 46(3):371–8, Oct 75

The effects of swimming and running regimens on skeletal muscle glycogen in the rat. Ness GW, et al. **Rev Can Biol** 34(1–2):45–50, Mar–Jun 75

Future performance in footracing. Ryder HW, et al. **Sci Am** 234(6):109–14, 118–9, Jun 76

[Running and arthrosis of the hip] Puranen J, et al. **Duodecim** 91(10):659–64, 1975 (Eng. Abstr.) **(Fin)**

[Results of control studies of the participants in the world championship in the veterans running] Novak J, et al. **Schweiz Z Sportmed** 23(3):129–39, 1975 (Eng. Abstr.) **(Ger)**

[Condition trained sportsmen as Marathon runners] Orava S, et al. **Schweiz Z Sportmed** 24(1):17–29, 1976 (Eng. Abstr.) **(Ger)**

[Radiographic evaluation of skeletal development in trotting horses in relation to their athletic activity (author's transl)] Pezzoli G, et al. **Folia Vet Lat** 5(3):399–411, Jul–Sep 75 **(Ita)**

[Proceedings: Effect of 20-minute training in running from the viewpoint of respiratory and circulatory functions] Shibayama H, et al. **J Physiol Soc Jpn** 36(8–9):408, 1 Sep 74 **(Jpn)**

RUNT DISEASE see **HOMOLOGOUS WASTING DISEASE**

RUPTURE

[Muscle tearing in sportsmen] Mironova ZS, et al. **Vestn Khir** 115(7):112–3, Jul 75 **(Rus)**

COMPLICATIONS

[Recurrent intraperitoneal rupture of the bladder] Riabtsev IG. **Urol Nefrol (Mosk)** (5):56–7, Sept–Oct 75 **(Rus)**

[Chylous ascites. Report of a case following the rupture of Pecquet's cistern] de la Barreda H, et al. **Bol Med Hosp Infant Mex** 33(1):95–100, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Rupture of the tendo achilles: another diagnostic sign. Matles AL. **Bull Hosp Joint Dis** 36(1):48–51, Apr 75

ETIOLOGY

[Intraperitoneal rupture of pseudocysts of the pancreas. Apropos of 6 cases] Monneins F, et al. **J Chir (Paris)** 111(5–6):593–602, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Rupture of the right atrium following blunt trauma of the thorax (author's transl)] Brücke P, et al. **Thoraxchirurgie** 24(2):125–30, Apr 76 (Eng. Abstr.) **(Ger)**

[2 successfully treated cava injuries] Rabe F, et al. **Z Urol Nephrol** 68(2):113–6, Feb 75 **(Ger)**

[Rupture of the internal carotid artery following blunt cranio-cerebral trauma] Kretschmer H, et al. **Zentralbl Neurochir** 36(1):41–6, 1975 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Roentgen diagnosis of rupture of the tendons of the long head of biceps brachii] Velsman IuA, et al. **Ortop Travmatol Protez** (11):55–7, Nov 75 **(Rus)**

SURGERY

[Syndrome of the ruptured rectum] Cepek Z. **Rozhl Chir** 55(4):274–8, Apr 76 (Eng. Abstr.) **(Cze)**

[Personal therapeutic indications in ureteral trauma] Banchieri FR, et al. **J Urol Nephrol (Paris)** 81(7–8):612–6, Jul–Aug 75 **(Fre)**

[Traumatic rupture of the sub-pyelic ureter in a child] Revol M, et al. **J Urol Nephrol (Paris)** 81(7–8):579–81, Jul–Aug 75 (3 ref.) **(Fre)**

[Ruptures in the rotator aponeurosis (author's transl)] Rössler H. **Z Orthop** 114(3):282–94, Jun 76 (Eng. Abstr.) **(Ger)**

[Results of surgical treatment of ruptured long biceps tendons] Markgraf E, et al. **Zentralbl Chir** 100(13):792–6, 1975 **(Ger)**

[Surgical treatment of injuries of the posterior portion of the pelvic ring] Treshchev VS. **Vestn Khir** 116(5):65–72, May 76 (Eng. Abstr.) **(Rus)**

THERAPY

[Haemorrhagic syndrome after massive transfusion of blood for traumatic liver rupture: disseminated intravascular coagulation? (Author's transl) Molaro GL. **Haematologica (Pavia)** 61(1):86–92, Mar 76 (Eng. Abstr.) **(Ita)**

RUPTURE, SPONTANEOUS

[Amebic liver abscess ruptured into the pericardium. Secondary pericardial constriction (author's transl)] Sirol FJ, et al. **Bull Soc Pathol Exot** 68(4):376–81, Jul–Aug 75 **(Fre)**

CHEMICALLY INDUCED

Ruptured benign hepatoma associated with an oral contraceptive. A case report. Stenwig AE, et al. **Virchows Arch [Pathol Anat]** 367(4):337–43, 18 Sep 75

DIAGNOSIS

[Parietal ruptures of the heart in the acute stage of myocardial infarction: early diagnosis and current therapeutic approach] Haiat R, et al. **Arch Mal Coeur** 67(12):1457–63, Dec 74 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Intrabiliary rupture of hydatid cyst of the liver. Kattan YB. **Br J Surg** 62(11):885–90, Nov 75

[Spontaneous kidney perforation, at present a rare complication of kidney calculi] Bülow H, et al. **Med Welt** 27(2):87, 9 Jan 76 **(Ger)**

[Spontaneous rupture of the bladder in a cirrhotic patient] Turcu N, et al. **Rev Chir [Chir]** 25(1):63–4, Jan–Feb 76 **(Rum)**

[Case of idiopathic rupture of the large intestine] Mikuláš J, et al. **Rozhl Chir** 55(2):136–9, Feb 76 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Spontaneous internal drainage of pancreatic pseudocysts. Clements JL Jr, et al. **Am J Roentgenol** 126(5):985–91, May 76

SURGERY

Massive bleeding from a ruptured metastatic hepatic melanoma treated by hepatic lobectomy. Case report and review of the literature. Cooperman AM, et al. **Mayo Clin Proc** 51(3):167–70, Mar 76

[Post infarction septal perforation. Is the early operation benefical?] Eisenmann B, et al. **Arch Mal Coeur** 69(5):459–65, May 76 (Eng. Abstr.) **(Fre)**

RURAL HEALTH

see related

AGRICULTURAL WORKERS' DISEASES

The 'Tromvika' project. Brevik JI. **Acta Psychiatr Scand [Suppl]** (263):57–9, 1975

Rural vaucluse: two surveys on the prevalence of mental disorders. Summary of data. Brunetti PM. **Acta Psychiatr Scand [Suppl]** (263):12–5, 1975

Mental health program development in rural Alaska—changing roles of public and private psychiatrists. Bloom J, et al. **Alaska Med** 18(3):25–8, May 76

Developing a rural mental health service from a base in an academic clinical psychology program. Kahn MW, et al. **Am J Community Psychol** 4(2):113–27, Jun 76

Rural mobile health unit. Barker VL. **Am J Nurs** 76(2):274–5, Feb 76

Factors affecting the use of physician services in a rural community. Luft HS, et al. **Am J Public Health** 66(9):865–71, Sep 76

Comparison of morbidity interviews with a health examination survey in rural Africa. Belcher DW, et al. **Am J Trop Med Hyg** 25(5):751–8, Sep 76

The intensity and effects of infection with Schistosoma mansoni in a rural community in northeast Brazil. Lehman JS Jr, et al. **Am J Trop Med Hyg** 25(2):285–94, Mar 76

Flying doctor in Africa. **Ann R Coll Surg Engl** 58(2):149–51, Mar 76

Mental health care in rural India: a study of existing patterns and their implications for future policy. Kapur RL. **Br J Psychiatry** 127:286–93, Sep 75

The joys of rural practice. Draper CL. **Can Med Assoc J** 114(5):413, 428, 6 Mar 76

Nursing at Canoe Narrows. Brown D. **Can Nurse** 71(9):38–9, Sep 75

Barefoot doctors active in rural child health care. **Chin Med J [Engl]** 1(2):95–8, Mar 75

Uphold the party's basic line and do a good job in rural health revolution. **Chin Med J [Engl]** 1(6):395–406, Nov 75

Exercise dictatorship of the proletariat on the health front. **Chin Med J [Engl]** 2(1):1–16, Jan 76

Upholding dictatorship of the proletariat and deepening the

revolution in health work. **Chin Med J [Engl]** 2(2):79–86, Mar 76

Persist in open-door scientific research. **Chin Med J [Engl]** 2(2):93–6, Mar 76

A profile of the rural community mental health center. Jones JD, et al. **Community Ment Health J** 12(2):176–81, Summer 76

A trial of total dose infusion iron therapy as an outpatient procedure in rural Iranian villages (a three month follow-up). Sadeghi A, et al. **Curr Ther Res** 19(6):595–602, Jun 76

Agricultural health and hygiene—with special reference to the Canadian position. Kay K. **Environ Res** 4(5):440–68, Nov 71

A survey of rural community mental health needs and resources. Gertz B, et al. **Hosp Community Psychiatry** 26(12):816–9, Dec 75

Using a service guide to provide comprehensive care in a rural mental health clinic. Raft DD, et al. **Hosp Community Psychiatry** 27(8):553, 559, Aug 76

Health wagon delivers primary care to rural areas. Willson MA, et al. **Hosp Prog** 57(3):34–8, Mar 76

An interview with Rep. Martha Keys (D–KS). Lesparre M, et al. **Hospitals** 50(8):36, 38, 39–40, 16 Apr 76

Rural health program priorities. Portnoy S, et al. **Hospitals** 50(6):68–71, 16 Mar 76

Problems of stroke control in rural settings in Japan. pp. 141–8. Isomura K. **In: Hatano S, et al., ed. Hypertension and stroke control in the community. Geneva, World Health Organization, 1976. WG 340 W1104h 1974.**

Practical aspects of hypertension and stroke control in a rural population. pp. 149–62. Kojima S. **In: Hatano S, et al., ed. Hypertension and stroke control in the community. Geneva, World Health Organization, 1976. WG 340 W1104h 1974.**

The impact of two-way audiovideo satellite communication and a computerized health records system on the management of a rural arctic health program. pp. 581–4. Armbrust JM. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

The outpost nurse: role and activities in northern Canada. pp. 600–5. Ferrari HE. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Experience in the clinical training of nurses for isolated northern regions. pp. 596–600. Miller SM. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Evaluation of the special nutrition programme in the tribal areas of Andhra Pradesh. Hanumantha Rao D, et al. **Indian J Med Res** 63(5):652–60, May 75

Prevalence and pattern of blindness in the field practice area of a rural health training centre. Chakrabarti J, et al. **Indian J Ophthalmol** 22(3):4–8, Sep 74

Nutrition and health status of rural school boys of Udaipur District. Bhandari B, et al. **Indian J Pediatr** 42(330):186–93, Jul 75

Outpatient morbidity statistics and cost on drugs per illness episode from Kaira Rural District (Gujarat) (study of a 5% sample of illness episodes). Ambawani GJ, et al. **Indian J Public Health** 18(4):179–88, Oct–Dec 74

Inaugural address: workshop on the care of the under fives. Pareira T. **Indian Pediatr** 12(1):121–2, Jan 75

Nutrition services through hospitals and primary health centres. Reddy V. **Indian Pediatr** 12(1):134–6, Jan 75

The impact of hospital and domiciliary nutrition rehabilitation on diet of the child and other young children in the family and in neighbourhood. Shah PM, et al. **Indian Pediatr** 12(1):95–8, Jan 75

Promotion of adequate growth and continuous health care through under five's clinics. Shah PM. **Indian Pediatr** 12(1):131–3, Jan 75

Nariala: an experimental in undergraduate education. Sinclair S, et al. **Indian Pediatr** 12(11):1051–6, Nov 75

The financing and the economic efficiency of rural health services in the People's Republic of China. Hu T. **Int J Health Serv** 6(2):239–49, 1976

The doctor's role in rural health care. Taylor CE. **Int J Health Serv** 6(2):219–30, 1976

The emotional burden on a rural general practice. Levav I, et al. **Isr Ann Psychiatry** 14(1):58–72, Mar 76

Detection of the disabled in a rural area. Margulec I, et al. **Isr J Med Sci** 12(1):59–70, Jan 76

50th All-India Medical Conference, Calcutta. Inaugural address. Dias SA. **J Indian Med Assoc** 64(7):170–2, 1 Apr 75

Rural surgical service. Prasad PB. **J Indian Med Assoc** 64(9):250–2, 1 May 75

50th All-India Medical Conference, Calcutta. Inaugural address at the scientific session. Sheth SC. **J Indian Med Assoc** 64(7):194–5, 1 Apr 75

Planning a rural community health center. Hale FA, et al. **J Maine Med Assoc** 66(10):286–91, Oct 75

A rural model. Almy TP. **J Med Educ** 50(12 pt 2):44–8, Dec 75

An evaluation of the University of Minnesota summer rural dental externship program. McMillan WB, et al. **J Public Health Dent** 35(4):260–5, Fall 75

The problem of medical officer recruitment in agricultural industry. Mackay DM. **J Trop Med Hyg** 79(5):102–5, May 76

The health care team demonstration: an experiment in rural health training for nursing and medical studies in Central Africa. Joseph SC. **J Trop Pediatr** 21(6):325–8, Dec 75

Editorial: National Rural Health Week April 4 through 10, 1976. Bible BL. **JAMA** 235(14):1480, 5 Apr 76

Letter: The Appalachian Regional Commission. Jackson HM. **JAMA** 234(12):1221, 22 Dec 75

Industrial hypertension control program in a rural state. Walworth CC, et al. **JAMA** 235(14):1461–4, 5 Apr 76

Editorial: The adventure of rural practice. **Med J Aust** 1(13):420–1, 27 Mar 76

A health and social survey of a group of children from rural New South Wales. Cripps A, et al. **Med J Aust** 2(6):214–8, 9 Aug 75

Cultural chasm and chaos in the health care services to aborigines in rural New South Wales. Kamien M. **Med J Aust** 2(3):6–11, 16 Aug 75

The independent nurse practitioner. Alive and well and living in rural Saskatchewan. Cardenas BD. **Nurs Clin North Am** 10(4):711–9, Dec 75

Community nursing in a Northern setting. A challenge. Sutherland R, et al. **Nurs Clin North Am** 10(4):731–9, Dec 75

Island practice. Carr M. **Nurs Times** 71(52):2077–8, 25 Dec 75

Country life—a survey of the needs of old people in a rural area. Kneer GM. **Nurs Times** 71(43):1714–6, 23 Oct 75

Multivariate analysis of stroke risk factors in Japanese rural districts. Tanaka H, et al. **Osaka City Med J** 21(2):149–53, 1975

Study of morbidity in a defined population in sixteen villages in Fars Province – Part II. Ronaghy HA, et al. **Pahlavi Med J** 7(1):92–105, Jan 76

Developing a role for a rural physiotherapist. Bauer D. **Physiotherapy** 61(4):114–6, Apr 75

The need for a regional focus in rural health services. Barrett LT. **Public Health Rep** 90(4):349–56, Jul–Aug 75

Appalachia, testing ground for innovations. Beacham WS. **Public Health Rep** 90(4):303–7, Jul–Aug 75

Rural health examination survey in Ghana: nonresponse factors. Belcher DW, et al. **Public Health Rep** 91(4):368–72, Jul–Aug 76

Interdisciplinary education for health science students in the rural home health agency. Kentucky January. Connelly T Jr, et al. **Public Health Rep** 90(4):325–30, Jul–Aug 75

Lake County, Michigan. A profile of rural poverty, public health, and a plan that failed. Gorwitz K, et al. **Public Health Rep** 90(4):357–64, Jul–Aug 75

Cooperative Extension Service's potential to meet the needs in rural health education and in rural institutional development. Konyha M. **Public Health Rep** 90(4):340–3, Jul–Aug 75

Use of mobile unit to provide health care for preschoolers in rural King County, Washington. McNeil J, et al. **Public Health Rep** 90(4):344–8, Jul–Aug 75

The federal initiative in rural health. Martin ED. **Public Health Rep** 90(4):291–7, Jul–Aug 75

Rural health care—is prepayment a solution? Ross MH. **Public Health Rep** 90(4):298–302, Jul–Aug 75

The United Farm Workers clinic in Delano, Calif.: a study of the rural poor. Rudd P. **Public Health Rep** 90(4):331–9, Jul–Aug 75

The Venezuelan medicina simplificada program. Yates AS. **Public Health Rep** 90(3):247–53, May–Jun 75

Letter: Saccharine diseases and profiles of possibly related disorders. Mokhobo KP. **S Afr Med J** 49(46):1906, 1 Nov 75

A review of orthopaedic and accident surgery at a rural mission hospital. Purry NA. **S Afr Med J** 50(24):937–8, 5 Jun 76

Editorial: Satellites for public service? Christenson RP. **South Med J** 69(4):386–7, Apr 76

Some aspects of health care in rural Nigeria. Mott FL. **Stud Fam Plann** 7(4):109–14, Apr 76

Rural health care: problems and prospects. Gibson LE, et al. **Tex Med** 72(3):74–9, Mar 76

A model of integrated community health care. Community health care in a rural area. Ebrahim GJ. **Trop Geogr Med** 28(1):S5–52, Mar 76

The elephant and the tree. Community health care in a rural area. Tellegen AO. **Trop Geogr Med** 28(1):S53–83, Mar 76

Health care in rural areas. **WHO Chron** 30(1):11–7, Jan 76

Health by the people. Newell KW. **WHO Chron** 29(5):161–7, May 75

[Urban/rural differences in mortality, 1950–1970] Federici N, et al. **World Health Stat Rep** 29(5–6):249–378, 1976 **(Eng, Fre)**

An approach to promote the rural health care. Kim MH. **Yonsei Med J** 15(2):58–73, 1974

The health post project: an approach to improve health care delivery at the grass-roots in rural Korea. Sich D, et al. **Yonsei Med J** 16(1):50–60, 1975

Respiratory symptoms and lung function disturbances in a polluted area of the Netherlands, compared with a rural area. Lende R, et al. **Z Erkr Atmungsorgane** 145(1):26–34, Apr 76

[Structure of socio-medical cooperation in large rural districts (group classification by physician practice)] Schmidt E. **Ugeskr Laeger** 137(49):2940–I, 1 Dec 75 **(Dan)**

[Latent hazards for man and property with reference to rural customs] Specht W. **Arch Kriminol** 155(1–2):14–8, Jan–Feb 75 **(Ger)**

[Health problems in female farmers] Biener K. **Med Klin** 71(25):1089–92, 18 Jun 76 **(Ger)**

[Rural practice. Not a scientific paper, but only comments on various practice problems] Diener L. **Z Allgemeinmed** 51(23):1009–12, 20 Aug 75 **(Ger)**

[Diagnosis of appendicitis in rural practice] Ziegler E. **Z Allgemeinmed** 51(10):462–4, 10 Apr 75 **(Ger)**

[Various community hygiene problems of the healt-promoting modification of the rural environment] Arndt K, et al. **Z Gesamte Hyg** 21(2):126–9, Feb 75 (Eng. Abstr.) **(Ger)**

[Health care of children and adolescents in rural areas—introductory report to theme complex 2] Jährig K, et al. **Z Gesamte Hyg** 22(2):130–4, Feb 76 (Eng. Abstr.) **(Ger)**

[Preventive management of stroke in rural areas] Isomura K. **Jpn J Clin Med** 34(1):143–8, 10 Jan 76 **(Jpn)**

[Regional medical programs in Japan—formation of a medical system built around a central hospital for isolated areas and islands] Kawashima N. **Jpn J Clin Med** 33(8):2559–64, 10 Aug 75 **(Jpn)**

[Teeth and perodontium condition in farmers of the Olecko County] Bielawska I, et al. **Czas Stomatol** 28(11):1077–83, Nov 75 (Eng. Abstr.) **(Pol)**

[Physical development of children from rural areas] Wrońska-Węclaw W. **Rocz Panstw Zaki Hig** 26(6):698–706, 1975 (Eng. Abstr.) **(Pol)**

[Experience in the complex social-hygienic study of the villages of Azerbaijan] Akhundov VIu. **Gig Sanit** (5):65–8, May 76 **(Rus)**

[Experience of rural regional sanitary-epidemiological stations in sanitation instruction] Mozhaev VP. **Gig Sanit** (8):38–40, Aug 75 **(Rus)**

[Organization of helminthological work in rural medical districts] Mukvoz LG, et al. **Med Parazitol (Mosk)** 44(3):361, May–Jun 75 **(Rus)**

[Medical and socio-occupational rehabilitation of patients with senile cataract in rural areas] Dariĭ VI, et al. **Oftalmol Zh** 30(5):376–7, 1975 **(Rus)**

[Incidence of glaucoma among relatives of patients from the rural areas] Volkanesku VV. **Oftalmol Zh** 30(8):601, 1975 (Eng. Abstr.) **(Rus)**

[Analysis of occupational traumatism among cattle breeders and measures for its prevention] Dmitriev AE, et al. **Ortop Travmatol Protez** (11):86–8, Nov 75 **(Rus)**

[Cerebral stroke registry in a rural district] Kolianov VB. **Sov Med** (12):49–53, Dec 75 (Eng. Abstr.) **(Rus)**

[Some programmatic problems of prospective research into the morbidity of the population of rural districts] Averbukh LA. **Sov Zdravookhr** (12):10–14, 1975 (Eng. Abstr.) **(Rus)**

[Some problems of the medical and economic effectiveness of creating enlarged territorial medical sectors in a rural district] Filipiuk TN. **Sov Zdravookhr** (10):11–4, 1975 (Eng. Abstr.) **(Rus)**

[Centralization of the statistical accounting in a rural district] Kapelin KI. **Sov Zdravookhr** (12):15–6, 1975 (Eng. Abstr.) **(Rus)**

[Medical service for the rural population] Kleĭza VIu, et al. **Sov Zdravookhr** (10):8–11, 1975 (Eng. Abstr.) **(Rus)**

[Main trends in the improvement of public health in a rural region] Kobets GP. **Sov Zdravookhr** (11):14–9, 1975 (Eng. Abstr.) **(Rus)**

[Status of ambulatory polyclinic aid for children in rural districts] Leskova LP, et al. **Sov Zdravookhr** (7):36–41, 1975 (Eng. Abstr.) **(Rus)**

[Treatment of the rural population by feldshers] Nikitin VG. **Sov Zdravookhr** (8):37–43, 1975 (Eng. Abstr.) **(Rus)**

[Improvement of the organizational form of medical service to the rural population] Nikitin VG, et al. **Sov Zdravookhr** 00(1):16–20, 1976 **(Rus)**

[Experience in the improvement of the qualifications of head physicians at rural hospitals] Shapiro IIa, et al. **Sov Zdravookhr** (6):55–9, 1975 (Eng. Abstr.) **(Rus)**

[Immediate and remote means of eliminating the differences in medical service to the urban and rural population] Shpinev VF, et al. **Sov Zdravookhr** 00(1):10–6, 1976 **(Rus)**

[Experience in the organization of specialized medical services for the rural population] Topka VP, et al. **Sov Zdravookhr** 00(1):23–9, 1976 (Eng. Abstr.) **(Rus)**

[Use of a network graph for elaboration of the projection of the annual complex plan for public health in a rural region] Volobuev VK. **Sov Zdravookhr** (6):42–9, 1975 (Eng. Abstr.) **(Rus)**

[Staging of the organization of medical care of the rural population (according to data of 3 rural regions of the Lithuanian SSR)] Zhilinskas IuIu, et al. **Sov Zdravookhr** 00(1):29–32, 1976 **(Rus)**

[Incidence of allergic dermatoses among the rural population of the Lithuanian SSR] Tesalova OT. **Vestn Dermatol Venerol** (7):44–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Dispensarization of patients with rheumatism and chronic tonsillitis in a rural medical district] Aleĭnikova NM, et al. **Vopr Revm** 00(02):58–9, Apr–Jun 76 **(Rus)**

[Incidence of tuberculosis among rural population caused by contact with infected animals] Bassarab VI, et al. **Vrach Delo** (7):106–7, Jul 75 (Eng. Abstr.) **(Rus)**

[Complex treatment of lumbosacral radiculitis in a rural locality] Mishchenko VI, et al. **Vrach Delo** (1):116–8, Jan 76 (Eng. Abstr.) **(Rus)**

[Comparative incidence of diseases in 2 rural zones with different intensity of pesticide use] Pol'chenko VI, et al. **Vrach Delo** (12):106–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Experience in improving the organization of the inoculation

program in a rural locality of Osh Province] Atakhanov KA, et al. **Zdravookhr Kirg** (4):49–52, Jul–Aug 76 **(Rus)**

[Electrocardiographic examinations of the rural population of Kirghizia] Sydygaliev KS. **Zdravookhr Kirg** (3):25–7, May–Jun 75 **(Rus)**

[Development of specialized medical service to the rural population of Tatar ASSR] Bullin MV. **Zdravookhr Ross Fed** (5):6–9, May 76 **(Rus)**

[Comparative analysis of the causes of death among infants under 1 year of age in the cities and villages] Dmitriev VI. **Zdravookhr Ross Fed** (12):10–4, Dec 75 **(Rus)**

[Ways of improvement of roentgenological service to the rural population of Pskov district] Itinskiĭ IuM. **Zdravookhr Ross Fed** (1):7–11, Jan 76 **(Rus)**

[Organization of mass fluoroscopic examinations of the population at the rural health center] Iudin ID, et al. **Zdravookhr Ross Fed** (5):10–1, May 76 **(Rus)**

[Certain characteristics of the organization of rural health and means of improvement of its administration] Khachik'ian AS. **Zdravookhr Ross Fed** (7):3–7, Jul 75 **(Rus)**

[Dispensarization of children in the rural region of the Mordovian ASSR] Porosenkov VS. **Zdravookhr Ross Fed** (7):14–7, Jul 75 **(Rus)**

[Development of specialized medical service to rural population] Rubin VP. **Zdravookhr Ross Fed** (10):3–7, Oct 75 **(Rus)**

[Physical development of children in the rural areas of southern Dagestan] Shabanov IuI. **Zdravookhr Ross Fed** (1):28–30, Jan 76 **(Rus)**

[Complex health survey of the inhabitants of the Nogai territory] Zargishiev RA. **Zdravookhr Ross Fed** (11):35–8, Nov 75 **(Rus)**

[Dispensary treatment of the rural population with diseases of the nervous system] Batiasov IuI. **Zh Nevropatol Psikhiatr** 75(4):533–7, 1975 (Eng. Abstr.) **(Rus)**

[Morbidity, environment and social organization. A theoretical model for the analysis of disease in the rural area] Laurell de Leal AC, et al. **Salud Publica Mex** 17(4):471–80, Jul–Aug 75 **(Spa)**

[The programs of rural health in Mexico] Pineda C. **Salud Publica Mex** 17(3):411–22, May–Jun 75 **(Spa)**

[Quality of dispensary observations of children in rural regions] Léskova LP, et al. **Pediatr Akush Ginekol** (6):5–6, Nov–Dec 75 **(Ukr)**

HISTORY

The debate over the delivery of health care in rural Russia: the Moscow zemstvo, 1864–1878. Krug PF. **Bull Hist Med** 50(2):226–41, Summer 76

A history of the practice of medicine in Logan County, Illinois. Barringer FS. **Ill Med J** 149(3):295–7, Mar 76

Rural health care—is prepayment a solution? Ross MH. **Public Health Rep** 90(4):298–302, Jul–Aug 75

[Aspects of the health situation in Moldavia reflected in reports of physicians in rural ambulance practice] Marinescu CG, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):605–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Contribution of rural physicians to the development of antisepsis and asepsis] Brzheskiĭ VCh. **Khirurgiia (Mosk)** (4):135–8, Apr 76 **(Rus)**

MANPOWER

The challenge of change. Breetveld J. **Indian Pediatr** 13(1):3–5, Jan 76

Training of the barefoot doctor in the People's Republic of China: from prevention to curative service. Wang VL. **Int J Health Serv** 5(3):475–88, 1975

Getting family physicians into rural communities. Saltzman BN. **J Arkansas Med Soc** 72(8):327–9, Jan 76

How barefoot? Next steps for the medical auxiliary. Backett EM, et al. **Lancet** 2(7945):1137–9, 6 Dec 75

Changes in number and location of health practitioners in a 20-county rural area of Missouri. Hassinger EW, et al. **Public Health Rep** 90(4):313–8, Jul–Aug 75

Health manpower for rural primary care. Problems and potentials in relating medical education to rural needs, as illustrated by recent attempts in Wyoming and in Central Africa. Joseph SC. **Public Health Rep** 91(2):159–63, Mar–Apr 76

Using physician's assistants in remote areas of Texas. Brame JB. **Tex Med** 71(11):86–8, Nov 75

[Training of the staff of the rural medical center in connection with social-hygienic characteristics of the modern village] Obukhov AT. **Vrach Delo** (11):140–3, Nov 75 **(Rus)**

STANDARDS

A model for health monitoring of rural pre-school children. Kumar V, et al. **Indian Pediatr** 12(9):907–13, Sep 75

The political and economic determinants of health and health care in rural America. Navarro V. **Inquiry** 13(2):111–21, Jun 76

[The rural physician and health and environmental protection] Hörig H. **Z Gesamte Hyg** 22(2):109–11, Feb 76 (Eng. Abstr.) **(Ger)**

[Tasks and perspectives of the physician and his coworkers in the improvement of health care and environmental protection in rural areas] Knabe H. **Z Gesamte Hyg** 22(2):115–20, Feb 76 (Eng. Abstr.) **(Ger)**

[Experience with the step-by-step and differential building of an effective system of medical aid for the rural population of the Chuvash ASSR] Grigor'ev FG. **Sov Zdravookhr** (10):20–7, 1975 (Eng. Abstr.) **(Rus)**

[Ways to improve hospital medical aid under the conditions of a rural district] Rakov PP. **Sov Zdravookhr** (10):15–9, 1975 **(Rus)**

RURAL POPULATION

A study of attempted suicides in urban versus rural areas, with a follow-up. Niskanen P, et al. **Acta Psychiatr Scand** 52(4):283–91, Oct 75

Concepts of mental illness amongst the rural Xhosa people in South Africa. Cheetham WS, et al. **Aust NZ J Psychiatry** 10(1):39–45, Mar 76

Suicidal attempts in an outer region of metropolitan Melbourne and in a provincial region of Victoria. Kessell A, et al. **Aust NZ J Psychiatry** 9(4):255–61, Dec 75

Mental hygiene in diminishing population areas. Matsubara T. **Aust NZ J Psychiatry** 10(1A):111–3, Mar 76

The attribution of mental illness by rural Balinese. Tugby D, et al. **Aust NZ J Psychiatry** 10(1A):99–104, Mar 76

A clinical evaluation of depressives found in a rural survey in India. Nandi DN, et al. **Br J Psychiatry** 128:523–7, Jun 76

Implementing Chairman Mao's directive 'in medical and health work, put the stress on the rural areas'. **Chin Med J** 1(4):237–40, Jul 75

Transference in a fishbowl: a survey of rural psychoanalysis. Ordway JA. **Compr Psychiatry** 17(1):209–16, Jan–Feb 76

Problems in implementing resource programs in rural schools. Harris WJ, et al. **Except Child** 42(2):95–9, Oct 75

Rural fertility trends and differentials. Rindfuss RR, et al. **Fam Plann Perspect** 7(6):264–9, Nov–Dec 75

Social interaction and perceived adequacy of interaction of the rural aged. Heltsley ME, et al. **Gerontologist** 15(6):533–6, Dec 75

Cross-sectional-type weight reference values for village children under five years in Lesotho. Cohen NM, et al. **Growth** 40(1):107–21, Mar 76

A rural mental health delivery system. **Hosp Community Psychiatry** 26(10):671–4, Oct 75

Morphology, serology, dermatoglyphics, and microevolution of some village populations in Haiti, West Indies. Basu A, et al. **Hum Biol** 48(2):245–69, May 76

Rural and urban Omaha indian fertility. Liberty M, et al. **Hum Biol** 48(1):59–71, Feb 76

Perspectives on the older American in a rural setting. pp. 65–85. Youmans EG.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

Rural youth and the use of drugs. pp. 255–62. Globetti G, et al.
In: Singh JM, Lal H, ed. Drug addiction. Vol 4: New aspects of analytical and clinical toxicology. New York, Stratton, 1974. W3 IN917KC 1973d.

Methodology for the study of cancer in a rural population in India. Jayant K, et al. **Indian J Cancer** 12(3):243–51, Sep 75

Chronic bronchitis in rural population. Bhattacharyya SN, et al. **Indian J Chest Dis** 17(1):1–7, Jan 75

Factors influencing lowered fertility in couples who never practised family planning: a study in rural India. Dutta R, et al. **Indian J Med Res** 64(2):267–83, Feb 76

The effect of a high energy food supplement on the growth of pre-school children. Pereira SM, et al. **Indian J Med Res** 63(1):156–61, Jan 75

A study of general health status of persons aged 60 years and above in the Rural Health Training Centre Area, Naila. Purohit CK, et al. **Indian J Med Res** 64(2):202–10, Feb 76

Seasonal variation in personal health expenditure of rural populations. Rao PS, et al. **Indian J Med Res** 62(12):1881–7, Dec 74

Epidemiological study of immunization practices in rural and urban field practice areas of Government Medical College, Patiala. Singh H, et al. **Indian J Med Res** 64(1):17–24, Jan 76

Abridged life tables for rural West Bengal, 1969. Mukherjee SP, et al. **Indian J Public Health** 19(1):3–8, Jan–Mar 75

Neuromuscular development during infancy. Katiyar GP, et al. **Indian Pediatr** 13(3):219–24, Mar 76

Study of morbidity in preschool children of rural Hyderabad in relation to family size and birth interval. Kumar A, et al. **Indian Pediatr** 13(2):123–6, Feb 76

Primary school children in rural Punjab: nutritional and anthropometric profile. Naik PA, et al. **Indian Pediatr** 12(11):1083–95, Nov 75

Some correlates of drug use among high school youth in a Midwestern rural community. Tolone WL, et al. **Int J Addict** 10(5):761–77, 1975

A household morbidity survey in rural Africa. Belcher DW, et al. **Int J Epidemiol** 5(2):113–20, Jun 76

Urban—rural trends in the epidemiology of coronary heart disease. Gupta SP, et al. **J Assoc Physicians India** 23(12):885–92, Dec 75

Medical education in isolated areas by cycling videocassettes. Martel CR. **J Biocommun** 2(2):5–8, Jul 75

Interactive television and the rural family physician. Sanborn DE 3d, et al. **J Maine Med Assoc** 66(10):276–9, Oct 75

Cognitive differences between health science students and a rural population. Barton SN, et al. **J Med Educ** 50(12 Pt1):1120–1, Dec 75

The rural-urban distribution of medical school applicants. Cullison S, et al. **J Med Educ** 51(1):47–9, Jan 76

Dental prophylaxis procedures in control of periodontal disease in Lucknow (rural) India. Chawla TN, et al. **J Periodontol** 46(8):498–503, Aug 75

The relationship between organizational strategies and personality change among peasants in West Malaysia. Sivalingam G. **J Soc Psychol** 98(Second Half):165–74, Apr 76

Utilization of supervised physician's assistants in emergency room coverage in a small rural community hospital. Maxfield RG, et al. **J Trauma** 15(9):795–9, Sep 75

Tubectomy by paraprofessional surgeons in rural Bangladesh. Chowdhury S, et al. **Lancet** 2(7935):567–9, 27 Sep 75

Rural Greeks and illness: an anthropologist's viewpoint. Bottomley G. **Med J Aust** 1(21):798–800, 22 May 76

Dietary patterns in a rural aboriginal community in south-west Australia. Hitchcock NE, et al. **Med J Aust** 2(3):12–6, 16 Aug 75

Mental health: rural–urban comparisons. Schwab JJ, et al. **Ment Health Soc** 1(5–6):265–74, 1974

Circuit rider. Flanagan RW. **MH** 59(4):4–9, Fall–Winter 75

Rural medicine and family practice: one student's view. Kobayashi RH. **Nebr Med J** 60(8):281–2, Aug 75

Serum total cholesterol, triglyceride and lipoprotein levels in a Japanese rural population. Tanaka H, et al. **Osaka City Med J** 21(1):1–14, 1975

Child abuse in a rural setting. Lloyd-Still JD, et al. **Pa Med** 79(3):56–60, Mar 76

Insecticide exposure of mothers and newborns in a rural agricultural area. D'Ercole AJ, et al. **Pediatrics** 57(6):869–74, Jun 76

Validity of repeating patient origin studies for rural hospitals. Meade JM. **Public Health Rep** 91(1):62–6, Jan–Feb 76

Protein calorie malnutrition and nutritional anaemia in Black pre-school children in a South African semirural community. Margo G, et al. **S Afr Med J** 50(3):67–74, 17 Jan 76

Rural Haitian women: an analysis of fertility rates. Berggren G, et al. **Soc Biol** 21(4):368–78, Winter 74

Sociocultural correlates of fertility among tribal, rural, and urban populations in Iran. Paydarfar AA. **Soc Biol** 22(2):151–66, Summer 75

A report on a contraceptive social marketing experiment in rural Kenya. Black TRL, et al. **Stud Fam Plann** 7(4):101–8, Apr 76

The impact of a family planning clinic in rural Jamaica. Alderman MH, et al. **West Indian Med J** 25(1):11–6, Mar 76

[Protection of the community instead of individual health care. A study of adequate medicine in a rural tropical environment] Lasserre R. **Bull Schweiz Akad Med Wiss** 30(4–6):210–8, Oct 74 (Eng. Abstr.) **(Fre)**

[Suicidal trends in urban and rural districts of Brandenburg] Otto KR, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(4):239–46, Apr 75 (Eng. Abstr.) **(Ger)**

[Phobia or fear in rural communities] Klemann H, et al. **Z Psychosom Med Psychoanal** 21(4):362–75, Oct–Dec 75 (Eng. Abstr.) **(Ger)**

[Coronary risk factors in the rural population. I. Physical capacity of rural workers and other professional Brazilian groups, studied by the ergometric cycle] Vichi FL, et al. **Arq Bras Cardiol** 29(3):185–8, Jun 76 (Eng. Abstr.) **(Por)**

[Drug service for the rural population via a smallscale retail pharmacy network] Panchenko EI, et al. **Farmatsiia** 24(2):16–20, Mar–Apr 75 **(Rus)**

[Prevalence of hypertensive disease among different groups of the urban and rural population] Kavunets GP. **Vrach Delo** (3):148–50, Mar 76 **(Rus)**

[Requirements of the rural population for sanatorium–health resort treatment in cardiovascular and gastrointestinal diseases] Vdovin VI. **Zdravookhr Ross Fed** (4):27–9, Apr 75 **(Rus)**

[Socioeconomic level of the family and nutrition in the rural area of Central America and Panama] Arroyave G, et al. **Arch Latinoam Nutr** 26(1):47–73, Mar 76 (Eng. Abstr.) **(Spa)**

[Dietary levels of families and children according to the socioeconomic strata in the rural area of Panama] Flores M. **Arch Latinoam Nutr** 25(2):135–62, Jun 75 (Eng. Abstr.) **(Spa)**

RUTAMYCIN see under **ANTIBIOTICS, ANTIFUNGAL**

RUTHENIUM

Distribution of ruthenium red staining material in the cerebral cortex of rat. Ovtscharoff W. **Acta Histochem (Jena)** 53(1):117–25, 1975

Molecular visualization of pectin and DNA by ruthenium red. Hanke DE, et al. **Biopolymers** 14(1):1–17, Jan 75

Accidental human inhalation of ruthenium tetroxide. Webber CE, et al. **Health Phys** 30(4):352–5, Apr 76

Ultrahistochemical study on the ruthenium red surface staining. I. Processes which give rise to electron-dense marker. Blanquet PR. **Histochemistry** 47(2):63–78, 28 May 76

Ultrahistochemical study on the ruthenium red surface staining. II. Nature and affinity of the electron dense marker. Blanquet PR. **Histochemistry** 47(3):175–89, 28 Jun 76

Effect of extraplanar ligands on the redox properties and the site of oxidation in iron, ruthenium, and osmium porphyrin complexes. Brown GM, et al. **J Am Chem Soc** 97(19):5385–90, 17 Sep 75

Letter: Nitrogen to oxygen isomerization of the pentaammineruthenium(III) glycine ion. Diamond SE, et al. **J Am Chem Soc** 97(20):5921–3, 1 Oct 75

ANALYSIS

Sequential radiochemical analysis for ruthenium, strontium and cesium in environmental air. Krieger HL, et al. **Health Phys** 30(6):465–70, Jun 76

DIAGNOSTIC USE

Labeling of erythrocytes with 103Ru–ruthenium red. Anghileri LJ. **J Nucl Med** 16(8):795–7, Aug 75

METABOLISM

Tissue distributions of 97Ru and 103Ru in subcutaneous tumor of rodents. Tanabe M, et al. **Acta Med Okayama** 29(6):431–6, Dec 75

Ruthenium red as a carrier of electrons between external NADH and cytochrome c in rat liver mitochondria. Schwerzmann K, et al. **Biochem Biophys Res Commun** 69(3):812–5, 5 Apr 76

Partition of ruthenium–106 between the fresh water environment and crayfish. Berg GG, et al. **Health Phys** 30(4):329–38, Apr 76

[Experimental study on the biological availability of a heavy metal, ruthenium, under laboratory conditions] van der Borght O. **J Belge Radiol** 55(2):243–52, Mar–Apr 72 (Eng. Abstr.) **(Dut)**

PHARMACODYNAMICS

Effect of Ca2+, ruthenium red and ageing on pregnenolone production by mitochondrial fractions from normal and luteinizing hormone treated rat testes. Van der Vusse GJ, et al. **Biochim Biophys Acta** 428(2):420–31, 23 Apr 76

The induction of filamentous growth in Escherichia coli by ruthenium and palladium complexes. Durig JR, et al. **Chem Biol Interact** 13(3–4):287–94, Jun 76

Mutagenic activity of platinum and ruthenium complexes. Monti–Bragadin C, et al. **Chem Biol Interact** 11(5):469–72, Nov 75

Mechanism of action of 'ruthenium red' compounds on Ca2+ ionophore from sarcoplasmic reticulum (Ca2+ + Mg2+)-adenosine triphosphatase and lipid bilayer. Shamoo AE, et al. **J Biol Chem** 250(20):8289–91, 25 Oct 75

Calcium–binding of synaptosomes isolated from rat brain cortex. IV. Effects of ruthenium red on the Co–operative nature of calcium–binding. Kamino K, et al. **J Membr Biol** 26(4):345–56, May 76

Effects of La+++, Mn++ and ruthenium red on Mg–Ca–ATPase activity and ATP–dependent Ca–binding of the synaptic plasma membrane. Ichida S, et al. **Jpn J Pharmacol** (1):39–43, Feb 76

THERAPEUTIC USE

[Post–irradiation lesions of the blood vessels following irradiation of choroidal tumors with 1O6Ru/1O6Rh applications] Lommatzsch P, et al. **Klin Oczna** 46(4):411–3, 1976 (Eng. Abstr.) **(Pol)**

TOXICITY

[Influence of metals of the platinum group on the skin in experiments on animals] Kolpakov FI, et al. **Vestn Dermatol Venerol** (11):61–4, Nov 75 (Eng. Abstr.) **(Rus)**

RUTHENIUM RED see under **RUTHENIUM**

RUTIN

ADMINISTRATION & DOSAGE

[Hemodynamic action of a drug combination on the venous circulation] Bartolo M, et al. **Clin Ter** 73(2):139–46, 30 Apr 75 **(Ita)**

ANALOGS & DERIVATIVES

A fine structural demonstration that some benzopyrones act as vitamin P in the rat. Casley–Smith JR, et al. **Am J Clin Nutr** 28(11):1242–54, Nov 75

Metabolism of hydroxyethylrutosides (HR): metabolism of [14C]–HR in man Hackett AM, et al. **Arzneim Forsch** 26(5):925–8, 1976

Effects of some semisynthetic rutoside derivatives on human platelets. Kahlé LH, et al. **Bibl Anat** 13:263–4, 1975

Effect of inhibition of PGE2–activity on FITC–dextran permeability in the hamster microvasculature. Svensjö E, et al. **Bibl Anat** 13:303–4, 1975

Effect of tri– and tetra–O–(beta–hydroxyethyl)–rutoside on red blood cell aggregation of human blood. van Haeringen NJ. **Bibl Anat** 13:197–9, 1975

Influence of O–(beta–hydroxyethyl)–rutoside or venoruton on lactate dehydrogenase of human cultured varicose veins. Matagne D, et al. **Biochem Pharmacol** 24(16):1491–4, 15 Aug 75

Stimulation and inhibition of biosynthesis of prostaglandins in human skin by some hydroxyethylated rutosides. Arturson G, et al. **Prostaglandins** 10(6):941–8, Dec 75

Effect of o–(beta–hydroxyethyl)–rutosides on the microrheology of human blood under defined flow conditions. Schmid–Schönbein H, et al. **Vasa** 4(3):263–70, 1975

[Influence of hydroxyethylrutoside on metabolism rate and biochemical functions of l–ascorbic acid in vitamin c—hyposaturated organisms of guinea pigs (author's transl)] Zloch Z. **Cas Lek Cesk** 115(2–3):87–92, 23 Jan 76 (Eng. Abstr.) **(Cze)**

[Drug therapy of venopathies] Esser W. **Fortschr Med** 93(30):1506–7, 23 Oct 75 **(Ger)**

[LDH– and MDH–isoenzymes in the costo–chondral junction in experimental lathyrismus and under additional medication with 6–methyl–prednisolone and O–(beta–hydroxyethyl)–rutosides] Hartmann F, et al. **Z Rheumatol** 34(9–10):314–28, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

METABOLISM

The binding of polyphenols (rutin and some of its o–beta–hydroxyethyl derivatives) to human serum proteins. Bauer–Staeb G, et al. **Experientia** 32(3):367–8, 15 Mar 76

PHARMACODYNAMICS

[Drug safety in gynecology] Krajnović P, et al. **Arch Gynaekol** 219(1–4):285–7, 18 Nov 75 **(Ger)**

THERAPEUTIC USE

Drug–induced proteolysis: a correlation with oedema–reducing ability. Piller NB. **Br J Exp Pathol** 57(3):266–73, Jun 76

[Activity of a combined preparation of melilot extract and water–soluble rutin on trophic disorders of vascular origin of the leg] Desmons F, et al. **Phlebologie** 28(1):155–8, Jan–Mar 75 **(Fre)**

[Treatment by sandoven–f in patients with venous affections (author's transl)] Viviani E. **Praxis** 64(41):1320–3, 14 Oct 75 (Eng. Abstr.) **(Ger)**

[Gynecological use of a phlebokinetic drug with special reference to its combination with oral contraceptives] Cazzola D. **Clin Ter** 74(6):559–78, 30 Sep 75 **(Ita)**

[Antigrippin tablet technology] Gromova LI, et al. **Farmatsiia** 24(1):67–70, Jan–Feb 75 **(Rus)**

[Treatment of rosacea by flavonoid venotonics] Farkaš J, et al. **Cesk Dermatol** 50(5):331–3, Oct 75 (Eng. Abstr.) **(Slo)**

RYANODINE see under **ALKALOIDS**

RYE see under **GRAIN**

SABIN VACCINE see **POLIOVIRUS VACCINE, ORAL**

SACCADES see under **EYE MOVEMENTS**

SACCHARIN

Evaluation of a new model to detect bladder carcinogens or co–carcinogens; results obtained with saccharin, cyclamate and cyclophosphamide. Hicks RM, et al. **Chem Biol Interact** 11(3):225–33, Sep 75

Taste rejection of nonnutritive sweeteners in cats. Bartoshuk LM, et al. **J Comp Physiol Psychol** 89(8):971–5, Oct 75

Rapid oral mixing of glucose and saccharin by rats. Smith JC, et al. **Science** 191(4224):304–5, 23 Jan 76

[Saccharin aversion learning in rats with different histories of postnatal development] De Luca B, et al. **Boll Soc Ital Biol Sper** 52(9):563–7, 15 MAY 76 **(Ita)**

ADMINISTRATION & DOSAGE

Effects of phenobarbital on saccharin and citric acid intake in fluid deprived rats. Wayner MJ, et al. **Pharmacol Biochem Behav** 4(3):335–7, Mar 76

ADVERSE EFFECTS

Bladder cancer mortality in diabetics in relation to saccharin consumption and smoking habits. Armstrong B, et al. **Br J Prev Soc Med** 29(2):73–81, Jun 75

Editorial: Saccharin and bladder cancer. **Br Med J** 3(5984):610, 13 Sep 75

Letter: Safety of saccharin. Simpson RG. **Lancet** 2(7935):613, 27 Sep 75

ANALYSIS

Determination of saccharin in soft drinks by molecular emission cavity analysis. Belcher R, et al. **Analyst** 101(1204):562–5, Jul 76

Quantitative determination of saccharin in food products by ultraviolet spectrophotometry. Hussein MM, et al. **J Agric Food Chem** 24(1):36–40, Jan–Feb 76

Quantitation of o– and p–sulfamoylbenzoic acids in commerical saccharin by high–performance liquid chromatography. Nelson JJ. **J Assoc Off Anal Chem** 59(2):243–50, Mar 76

Determination of saccharin, sodium benzoate, and caffeine in beverages by reverse phase high–pressure liquid chromatography. Smyly DS, et al. **J Assoc Off Anal Chem** 59(1):14–9, Jan 76

Pyrolysis GLC identification of food and drug ingredients. I. Saccharin. Szinai SS, et al. **J Chromatogr Sci** 14(7):327–30, Jul 76

Saccharin as an analytical standard. Hayes WP, et al. **Lab Pract** 24(9):589–90, Sep 75

[The determination of saccharin by gas chromatography after methylation with diazomethane (author's transl)] Unterhalt B. **Z Lebensm Unters Forsch** 159(3):161–4, 12 Nov 75 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Mucociliary function of the eustachian tube: assessment by saccharin test in patients with dry perforations of the tympanic membrane. Elbrønd O, et al. **Arch Otolaryngol** 102(9):539–41, SEP 76

The saccharin test of nasal mucociliary function. Grossan M. **Eye Ear Nose Throat Mon** 54(11):415–7, Nov 75

PHARMACODYNAMICS

Method for testing mutagenic effects of chemicals on spermatogonia of the Chinese hamster: results obtained with cyclophosphamide, saccharin, and cyclamate. Machemer L, et al. **Arzneim Forsch** 25(12):1889–96, 1975

Relative salience of saccharin and quinine in long–delay taste aversion learning. Braun JJ, et al. **Behav Biol** 16(3):341–52, Mar 76

Inhibition by saccharin of glucose–6–phosphatase: effects of alloxan in vivo and deoxycholate in vitro. Lygre DG. **Can J Biochem** 54(6):587–90, Jun 76

Assessment of the carcinogenicity of non–nutritive sweeteners I: Saccharin. Becker BA, et al. **Proc West Pharmacol Soc** 18:306–10, 1975

TOXICITY

The current status of saccharin. pp. 71–89. Munro IC, et al. **In: Winek CL, ed. Toxicology annual 1974. New York, Dekker, 1975. W1 TO95BE.** (80 ref.)

[Toxicity of cyclamates and saccharin] Bickel MH. **Ther Umsch** 31(10):755–7, Oct 74 (Eng. Abstr.) **(Ger)**

SACCHAROMYCES

Rare occurrence of the tetratype tetrads in Saccharomycodes ludwigii. Yamazaki T, et al. **J Bacteriol** 125(2):461–6, Feb 76

Separation and some properties of the inner and outer membranes of yeast mitochondria. Bandlow W, et al. **Methods Cell Biol** 12:311–33, 1975 (43 ref.)

Induction, selection, and experimental uses of temperature–sensitive and other conditional mutants of yeast. Pringle JR. **Methods Cell Biol** 12:233–72, 1975 (161 ref.)

[Comparative genetics of yeasts. XIV. Analysis of Saccharomyces wine strains neutral to type k2 killer strain] Naumov GI. **Genetika** 10(1):130–6, Jan 74 (Eng. Abstr.) **(Rus)**

[Comparative genetics of yeasts. XIII, Comparative study of Saccharomycetes–killers from different collections] Naumova GI, et al. **Genetika** 9(11):140–5, Nov 73 (Eng. Abstr.) **(Rus)**

[Saccharomyces phenotypes (killer, neutral, sensitive) in viticulture and methods for their determination] Tiurina LV, et al. **Mikrobiologiia** 44(2):357–61, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

The volatility of chromium from brewers yeast during assay. Jones GB, et al. **Anal Chim Acta** 80(2):389–92, Dec 75

Levels and turnover of the proteinase B inhibitors in yeast. Betz H. **Biochim Biophys Acta** 404(1):142–51, 8 Sep 75

Characterization of yeast ribosomal DNA. Retèl J, et al. **Eur J Biochem** 58(1):51–7, 1 Oct 75

Further analysis of the protein composition of yeast ribosomes. Kruiswijk T, et al. **FEBS Lett** 58(1):102–5, 15 Oct 75

Protein and other compositional analyses of Saccharomyces fragilis grown on coconut water waste. Smith ME, et al. **J Appl Bacteriol** 41(1):97–107, Aug 76

Topographical analysis of yeast ribosomal DNA by cleavage with restriction endonucleases. Meyerink JH, et al. **Mol Biol Rep** 2(5):393–400, Apr 76

The organization of genes in yeast mitochondrial DNA II. The physical map of EcoRI and HindII + III fragments. Sanders JP, et al. **Mol Gen Genet** 143(1):53–64, 30 Dec 75

Comparison of the fine structure of mitochondrial DNA from Saccharomyces cerevisiae and S. carlsbergensis: electron microscopy of partially denatured molecules. Christiansen G, et al. **Nucleic Acids Res** 3(2):465–76, Feb 76

[Compartmentalization of magnesium and orthophosphate ions in Saccharomyces carlsbergensis cells] LPICHKO LP, et al. **Dokl Akad Nauk SSSR** 227(3):757–8, 21 Mar 76 **(Rus)**

CLASSIFICATION

[Systematic study of Saccharomyces: oxidases and vitamin requirements] Fiol JB. **Mycopathologia** 58(1):49–58, 4 Jun 76 (Eng. Abstr.) **(Fre)**

CYTOLOGY

[Fluorochroming of yeast cells with acridine yperite] Chesnokova MP, et al. **Mikrobiologiia** 44(2):367–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Antimicrobial agents. XXIV. Antifungal activity of 2–chloro–7–fluoro–10–piperazinodibenzo[b,f]thiepins.

Capek A. **Folia Microbiol (Praha)** 20(5):439–40, 1975

Counteracting effect of eosin and related dyestuffs on the production of respiration-deficient mutants in yeast by 4-nitroquinoline 1-oxide. Nagai S. **Mutat Res** 34(2):187–94, Feb 76

The mutagenic activity of diepoxybutane in yeast. Olszewska E, et al. **Mutat Res** 33(2–3):383–90, Dec 75

[Level and stability of resistance to SO2 in wild strain of Saccharomyces ellipsoideus (author's transl)] Romano P, et al. **Riv Sci Tecn Nutr Um** 5(4):245–6, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Repair hypothesis and effect of caffeine on the induction of complete mutants in yeasts] Devin AB. **Dokl Akad Nauk SSSR** 223(4):992–4, 1 Aug 75 **(Rus)**

[Instability of yeast cell sensitivity to the action of nitrous acid] Devin AB. **Dokl Akad Nauk SSSR** 227(5):1231–4, 11 Apr 76 **(Rus)**

[Effect of ammonium on certain oxidoreductases of wine yeasts] Velikodnaia VG, et al. **Mikrobiologiia** 44(5):800–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Production of 13beta-alkyl-3-methoxy-8,14-seco-1,3,5(10),9(11)-gonatet and 13beta-alkyl-3-methoxy-8,14-seco-1,3,5(10),9(11)-gonatet by microbial enzymes. Szentirmai A, et al. **Acta Microbiol Acad Sci Hung** 22(4):471–9, 1975

Properties of hydroxysteroid oxidoreductase isolated from yeast. Szentirmai A, et al. **Acta Microbiol Acad Sci Hung** 22(4):463–71, 1975

Subcellular distribution of yeast invertase isoenzymes. Meyer J, et al. **Arch Microbiol** 103(1):51–5, 12 Mar 75

UDPglucose 4-epimerase from Saccharomyces fragilis: desensitization with heat. Ray M, et al. **Biochem Biophys Res Commun** 67(3):877–82, 1 Dec 75

A kinetic study of homocitrate synthetase activity in the yeast Saccharomycopsis lipolytica. Gaillardin CM, et al. **Biochim Biophys Acta** 422(2):390–406, 13 Feb 76

Repression of the acid phosphatase of Saccharomyces bisporus in relation to the polyphosphate content of the cells. Weimberg R. **Can J Microbiol** 22(6):867–72, Jun 76

Subunit structure of 6-phosphofructokinase from brewers' yeast. Tamaki N, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1663–9, Nov 75

Determination of the number of photoreactivating enzyme molecules per haploid Saccharomyces cells. Yasui A, et al. **Int J Radiat Biol** 28(6):511–8, Dec 75

Sequence of molecular events involved in induction of allophanate hydrolase. Bossinger J, et al. **J Bacteriol** 126(1):198–204, Apr 76

beta-D-galactosidase activity in single yeast cells during cell cycle of Saccharomyces lactis. Yashphe J, et al. **Science** 191(4233):1283–4, 26 Mar 76

[Protein crystals and tubuli bundles in yeast cells. IV. Biochemical and electron microscopic studies of the induction of alcohol dehydrogenase (ADH) crystals] Künkel W. **Z Allg Mikrobiol** 16(4):263–72, 1976 (Eng. Abstr.) **(Ger)**

[Specific binding of medium invertase by yeast cell surfaces during regulation of invertase formation] Galcheva-Gargova ZI, et al. **Dokl Akad Nauk SSSR** 225(2):446–9, 11 Nov 75 **(Rus)**

[Localization of the effect of the regulation of beta-fructosidase biosynthesis in yeasts by the level of active enzyme in the medium] Iurkevich VV, et al. **Dokl Akad Nauk SSSR** 225(4):971–3, 1 Dec 75 **(Rus)**

[Enzyme activity in the fermenting medium during controlled yeast cultivation] Abdurazakova SK, et al. **Prikl Biokhim Mikrobiol** 11(3):341–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Ion exchange purification of some enzymes on KMT carboxyl cation exchanges] Pappel KE, et al. **Prikl Biokhim Mikrobiol** 11(4):598–600, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Role of acetate metabolism in sporulation of Saccharomyces carlsbergensis. Görts CP. **Antonie van Leeuwenhoek** 41(3):265–71, 1975

Studies of the utilization of coconut water waste for the production of the food yeast Saccharomyces fragilis. Smith ME, et al. **J Appl Bacteriol** 41(1):81–95, Aug 76

Electron microscopy of ascus formation in the yeast debaryomyces hansenii. Kreger van Rij NJ, et al. **J Gen Microbiol** 89(2):256–64, Aug 75

Effect of calcium ions on growth and metabolism of Saccharomyces carlsbergensis. Lotan R, et al. **J Gen Microbiol** 92(1):76–80, Jan 76

[Change in the content and biosynthesis of RNA in the process of development of a Saccharomyces carlsbergensis culture] Baranova SI, et al. **Mikrobiologiia** 44(5):825–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Interrelationship between the intestinal microflora of lackey moth, brown-tail moth and the entomopathogenic bacterium Bacillus thuringiensis] Rizvanov K. **Mikrobiologiia** 44(6):1074–80, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Cysteine effects on yeast growth] Smashevsky ND. **Prikl Biokhim Mikrobiol** 11(2):167–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Saccharomyces telluria, a yeast of the animal digestive flora, particularly common in the baboon, Papio papio (author's transl)] Saez H, et al. **Ann Parasitol Hum Comp** 49(6):775–83, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

METABOLISM

Evidence for a functional change in the plasma membrane of yeasts associated with the mechanism of arsenate resistance. Cerbón J, et al. **Arch Biochem Biophys** 174(2):373–80, Jun 75

Tunicamycin inhibition of (3H) glucosamine incorporation into yeast glycoproteins: binding of tunicamycin and interaction with phospholipids. Kuo SC, et al. **Arch Biochem Biophys** 172(2):574–81, Feb 76

The heavy DNA satellite of yeast and its relationship to the ribosomal RNA genes. Lusby EW Jr, et al. **Arch Biochem Biophys** 174(1):187–91, May 76

The concentration of glycine by preparations of the yeast Saccharomyces Carlsbergensis depleted of adenosine triphosphate: Effects of proton gradients and uncoupling agents. Seaston A, et al. **Biochem J** 154(3):669–76, 15 Mar 76

Transport-associated phosphorylation of 2-deoxy-D-glucose in Saccharomyces fragilis. Jaspers HT, et al. **Biochim Biophys Acta** 406(3):370–85, 17 Oct 75

Transport of 2-deoxy-D-galactose in Saccharomyces fragilis. Jaspers HT, et al. **Biochim Biophys Acta** 443(2):243–53, 16 Aug 76

Cellular site of synthesis of ribosomal proteins in yeast. Mager WH, et al. **Biochim Biophys Acta** 402(1):105–12, 6 Aug 75

Distribution of membrane-bound and free ribosomes in growing yeast. Schneider E, et al. **Biochim Biophys Acta** 432(1):92–7, 15 Apr 76

Detailed analysis of the ribosomal RNA synthesis in yeast. Trapman J, et al. **Biochim Biophys Acta** 414(2):115–25, 4 Dec 75

Invertase biosynthesis by Saccharomyces carlsbergensis in batch and continuous cultures. Toda K. **Biotechnol Bioeng** 18(8):1103–15, Aug 76

Dual control of invertase biosynthesis in chemostat culture. Toda K. **Biotechnol Bioeng** 18(8):1117–24, Aug 76

The relationship of acid-soluble glycogen to yeast flocculation. Patel GB, et al. **Can J Microbiol** 21(10):1608–13, Oct 75

Glycogen—a physiological determinant of yeast flocculation? Patel GB, et al. **Can J Microbiol** 21(10):1614–21, Oct 75

Yeast ribosomal proteins are synthesized on small polysomes. Mager WH, et al. **Eur J Biochem** 62(1):193–7, 2 Feb 76

Ethidium bromide uptake and change of fluorescence by petite-negative yeast mutants resistant to this drug. Celis E, et al. **FEBS Lett** 57(3):241–4, 1 Oct 75

Thiamine-induced reversible deficiency in respiratory activity of Saccharomyces carlsbergensis: respiratory adaptation caused by pyridoxine. Nakamura I, et al. **FEBS Lett** 62(3):354–8, 1 Mar 76

On the biosynthesis of 5.8 S ribosomal RNA in yeast. Trapman J, et al. **FEBS Lett** 57(1):26–30, 1 Sep 75

An analysis of the mitochondrial genome of yeast with restriction enzymes. pp. 85–90. Bernardi G, et al. **In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Sugar and polyol permeability of Salmonella and osmophilic yeast cell membranes measured by turbidimetry, and its relation to heat resistance. Corry JE. **J Appl Bacteriol** 40(3):277–84, Jun 76

Genetic co-regulation of galactose and melibiose utilization in Saccharomyces. Kew OM, et al. **J Bacteriol** 125(1):33–41, Jan 76

Phosphorylation of mononucleotides and formation of cytidine 5'-diphosphate-choline and sugar nucleotides by respiration-deficient mutants of yeasts. Kimura A, et al. **J Bacteriol** 125(2):744–6, Feb 76

Transport and metabolism of vitamin B6 in the yeast Saccharomyces carlsbergensis 4228. Shane B, et al. **J Biol Chem** 251(4):1042–51, 25 Feb 76

The molecular weights of yeast ribosomal precursor RNAs. Brand RC, et al. **Mol Biol Rep** 2(4):321–5, Dec 75

Proceedings: The use of yeast genetic systems in environmental mutagenesis. Loprieno N, et al. **Mutat Res** 29(2):237, Aug 75

Cell density dependence of oscillatory metabolism. Aldridge J, et al. **Nature** 259(5545):670–1, 26 Feb 76

Control of oscillating glycolysis of yeast by stochastic, periodic, and steady source of substrate: a model and experimental study. Boiteux A, et al. **Proc Natl Acad Sci USA** 72(10):3829–33, Oct 75

[Biosynthesis of cell wall components by yeast protoplasts in the presence of cycloheximide and 2-deoxy-D-glucose] Tsiomenko AB, et al. **Dokl Akad Nauk SSSR** 225(6):1446–9, 21 Dec 75 **(Rus)**

[Effect of products of thermophilous methane fermentation on the fermentation of fruit must by Saccharomyces vini] Mikhlin ED, et al. **Prikl Biokhim Mikrobiol** 11(6):862–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of cultivation conditions on the activity of respiration of Saccharomyces bayanus] Sarishvili NG, et al. **Prikl Biokhim Mikrobiol** 11(6):869–72, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Antiviral substances from Saccharomyces cerevisiae and Sacch. carlsbergensis yeasts] Kovalenko AG, et al. **Mikrobiol Zh** 36(2):191–6, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

[Volatile oil of Anethum Graveolens L. as an inhibitor of yeast and lactic acid bacteria] Shcherbanovsky LR, et al. **Prikl Biokhim Mikrobiol** 11(3):476–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Letter: Energy metabolism after u.v.-irradiation in a sensitive yeast strain. Kiefer J. **Int J Radiat Biol** 29(3):287–92, Mar 76

Giant cells from Saccharomyces uvarum grown after x-irradiation. Rink H, et al. **Radiat Environ Biophys** 12(2):119–25, 18 Jun 75

[Genetic control of sporulation in Saccharomyces paradoxus yeasts] Shatirishvili AF. **Genetika** 9(11):107–13, Nov 73 (Eng. Abstr.) **(Rus)**

[Influence of taurine on the postradiation repair of yeast cells] Benevolenskii VN, et al. **Radiobiologiia** 15(4):547–51, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Persistent dying-off effect in succeeding generations of irradiated yeast cells] Bychkovskaia IB, et al. **Radiobiologiia** 15(3):384–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of caffeine on the survival and repair of yeast cells] Kabakova NM, et al. **Radiobiologiia** 15(6):850–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Postradiation regeneration of diploid yeast cells irradiated with high-energy bremsstrahlung] Tsuladze NG, et al. **Radiobiologiia** 16(1):73–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The effect of sugars and polyols on the heat resistance and morphology of osmophilic yeasts. Corry JE. **J Appl Bacteriol** 40(3):269–76, Jun 76

[Freeze etching of yeasts Saccharomyces, Torulopsis, and Rhodotorula] Casperson G, et al. **Z Allg Mikrobiol** 14(8):645–54, 1974 (Eng. Abstr.) **(Ger)**

[Protein crystals and tubuli bundles in yeast cells. II. Isolation, biochemical and electron microscopical characterization Künkel W, et al. **Z Allg Mikrobiol** 15(7):523–36, 1975 (Eng. Abstr.) **(Ger)**

[Method for producing spheroplasts from yeast cells] Luchkina LA, et al. **Prikl Biokhim Mikrobiol** 11(2):264–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

SACCHAROMYCES CEREVISIAE

Ultrastructural changes in zygote formation and autoradiographic study of DNA replication during conjugation in Saccharomyces cerevisiae. Zaborowska D, et al. **Acta Microbiol Pol [A]** 8(3):161–7, 1975

Killing of Torulopsis glabrata by Saccharomyces cerevisiae killer factor. Bussey H, et al. **Antimicrob Agents Chemother** 9(2):352–4, Feb 76

Fever of unknown origin secondary to brewer's yeast ingestion. Jensen DP, et al. **Arch Intern Med** 136(3):332–3, Mar 76

Structural analysis of O2'-methyl-5-carbamoylmethyluridine, a newly discovered constituent of yeast transfer RNA. Gray MW. **Biochemistry** 15(14):3046–51, 13 Jul 76

Thermal unfolding of yeast glycine transfer RNA. Hilbers CW, et al. **Biochemistry** 15(9):1874–82, 4 May 76

A study of secondary and tertiary solution structure of yeast tRNA(Asp) by nuclear magnetic resonance. Assignment of G.U ring NH and hydrogen-bonded base pair proton resonances. Robillard GT, et al. **Biochemistry** 15(9):1883–8, 4 May 76

UGA mutations and UGA suppressors in yeast. Hawthorne DC. **Biochimie** 58(1–2):179–82, 1976

The activation of dimethylnitrosamine (DMN) by yeast extracts. Read J. **Br J Cancer** 31(5):588–9, May 75

Interference of yeast extract on the Zimmerman reaction. Sobrinho LG, et al. **Clin Chim Acta** 65(2):241–3, 1 Dec 75

Mucidin-resistant antimycin A-sensitive mitochondrial mutant of Saccharomyces cerevisiae. Subík J. **FEBS Lett** 59(2):273–6, 15 Nov 75

Mapping and gene conversion studies with the structural gene for iso-1-cytochrome C in yeast. Lawrence CW, et al. **Genetics** 81(4):615–29, Dec 75

Mutants of Saccharomyces cerevisiae resistant to the alpha mating-type factor. Manney TR, et al. **Genetics** 82(4):639–4? Spr 76

Genetic analysis of petite mutants of Saccharomyces cerevisiae: transmissional types. Perlman PS. **Genetics** 82(4):645–63, Spr 76

A deletion map of cyc1 mutants and its correspondence to mutationally altered iso-1-cytochromes c of yeast. Sherman F, et al. **Genetics** 81(1):51–73, Sep 75

Genetic and physiological characterization of met15 mutants of Saccharomyces cerevisiae: a selective system for forward and reverse mutations. Singh A, et al. **Genetics** 81(1):75–97, Sep 75

Replication initiation in yeast chromosomes. pp. 327–43. Burke W, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**

Circular DNA in the yeast Saccharomyces cerevisiae in relation to informosomal DNA and mitochondrial genetics. pp. 111–22. Clark-Walker GD, et al.

In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Protein extraction and recovery from microbial cells. pp. 179–207. Dunnill P, et al.

In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.

Effect of processing on the nutritive value of Saccharomyces cerevisiae, Scenedesmus obliquus, and Spirulina platensis measured by protein synthesis in vitro in rat skeletal muscle. pp. 553–63. Omstedt P, et al.

In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.

'Killer' character does not influence the transmission of mitochondrial genes in Saccharomyces cerevisiae. Young RA, et al. **J Bacteriol** 124(1):290–5, Oct 75

The laboratory evaluation of iodophor disinfectants with yeast suspensions. Charley CM, et al. **J Hyg (Camb)** 76(3):349–53, Jun 76

Proceedings: Microwaves action in procaryotic and eucaryotic cells and a possible interaction with x-rays. Averbeck D, et al. **J Microwave Power** 11(2):143–4, Jun 76

Stabilization of the native tertiary stucture of yeast tRNALeu3 by cationic metal complexes. Karpel RL, et al. **J Mol Biol** 97(4):519–32, 5 Oct 75

Determination of the molecular weight of Saccharomyces cerevisiae nuclear DNA. Lauer GD, et al. **J Mol Biol** 95(2):309–26, 25 Jun 75

Studies on biological functions of 5'-methylthioadenosine vitamin B12-replacing effect for Ochromonas malhamensis. Sugimoto Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):89–100, 1976

Chemical methods for the reduction of the purine content of baker's yeast, a form of single-cell protein. Trevelyan WE. **J Sci Food Agric** 27(3):225–30, Mar 76

Offsetting toxicity of antineoplastic agents. Cook ES, et al. **J Surg Oncol** 7(5):337–45, 1975

Virus-like particles from killer, neutral, and sensitive strains of Saccharomyces cerevisiae. Adler J, et al. **J Virol** 17(2):472–6, Feb 76

Isolation of mitochondria and techniques for studying mitochondrial biogenesis in yeasts. Linnane AW, et al. **Methods Cell Biol** 12:285–309, 1975 (81 ref.)

Preparation of RNA and ribosomes from yeast. Rubin GM. **Methods Cell Biol** 12:45–64, 1975 (67 ref.)

The use of fluorescent DNA-binding agent for detecting and separating yeast mitochondrial DNA. Williamson DH, et al. **Methods Cell Biol** 12:335–51, 1975

Cytoplasmic inheritance in Saccharomyces cerevisiae: comparison of first zygotic budsite to mitochondrial inheritance patterns. Aufderheide KJ. **Mol Gen Genet** 140(3):231–41, 3 Oct 75

Zygote heterogeneity and uniparental inheritance of mitochondrial genes in yeast. Birky CW Jr. **Mol Gen Genet** 141(1):41–58, 3 Nov 75

The mating reaction in yeast. I. A new mutation involved in the determination of mating-type. Blamire J, et al. **Mol Gen Genet** 140(3):243–52, 3 Oct 75

Regulation of the ilv 1 multifunctional gene in Saccharomyces cerevisiae. Bollon AP. **Mol Gen Genet** 142(1):1–12, 23 Dec 75

Mitochondrial genetics. XI. Mutations at the mitochondrial locus omega affecting the recombination of mitochondrial genes in Saccharomyces cerevisiae. Dujon B, et al. **Mol Gen Genet** 143(2):131–65, 16 Jan 76

Antimutator activity during mitosis by a meiotic mutant of yeast. Esposito MS, et al. **Mol Gen Genet** 139(1):9–18, 5 Aug 75

Deletion mapping of mitochondrial transfer RNA genes in Saccharomyces cerevisiae by means of cytoplasmic petite mutants. Fukuhara H, et al. **Mol Gen Genet** 145(1):7–17, 23 Apr 76

Genetic properties of some amber-ochre supersuppressors in Saccharomyces cerevisiae. Gerlach WL. **Mol Gen Genet** 138(1):53–63, 1975

Effects of elevation of strain-ploidy on transmission and recombination of mitochondrial drug resistance genes in Saccharomyces cerevisiae. Gunge N. **Mol Gen Genet** 146(1):5–16, 5 July 76

Biogenesis of mitochondria. XLII. Genetic analysis of the control of cellular mitochondrial DNA levels in Saccharomyces cerevisiae. Hall RM, et al. **Mol Gen Genet** 145(2):169–75, 7 May 76

Study on proteins from yeast cytoplasmic ribosomes by two-dimensional gel electrophoresis. Ishiguro J. **Mol Gen Genet** 145(1):73–9, 23 Apr 76

Manganese mutagenesis in yeast. IV. The effects of magnesium, protein synthesis inhibitors and hydroxyurea on AntR induction in mitochondrial DNA. Putrament A, et al. **Mol Gen Genet** 140(4):339–47, 22 Oct 75

Mapping of mitochondrial genes in Saccharomyces cerevisiae. Populations and pedigree analysis of retention or loss of four genetic markers in Rho-cells. Schweyen RJ, et al. **Mol Gen Genet** 146(2):117–32, 23 Jul 76

Biogenesis of mitochondria 40. Phenotypic suppression of a mitochondrial mutation by a nuclear gene in Saccharomyces cerevisiae. Trembath MK, et al. **Mol Gen Genet** 140(4):333–7, 22 Oct 75

Pattern of somatic segregation of the cytoplasmic drug-resistance factors in yeast. Uchida A, et al. **Mol Gen Genet** 145(2):159–63, 7 May 76

Cytogenetic demonstration of mitotic chromosomes in the yeast Saccharomyces cerevisiae. Wintersberger U, et al. **Mol Gen Genet** 142(1):13–7, 23 Dec 75

Genetic effects of formaldehyde in yeast. I. Influence of the growth stages on killing and recombination. Chanet R, et al. **Mutat Res** 33(2–3):179–86, Dec 75

Development of host-mediated mutagenicity tests-yeast systems. II. Recovery of yeast cells out of testes, liver, lung, and peritoneum of rats. Fahrig R. **Mutat Res** 31(6):381–94, Dec 75

The detection of monosomic colonies produced by mitotic chromosome non-disjunction in the yeast Saccharomyces cerevisiae. Parry JM, et al. **Mutat Res** 36(1):49–66, Jul 76

Effect of caffeine on recovery from DEB-induced cell inactivation in UV-sensitive mutants of Saccharomyces cerevisiae. Zuk J, et al. **Mutat Res** 33(2–3):173–8, Dec 75

Microbial cells living immobilised on metal hydroxides. Kennedy JF, et al. **Nature** 261(5557):242–4, 20 May 76

Characterization of 2-mum DNA of Saccharomyces cerevisiae by restriction fragment analysis and integration in an Escherichia coli plasmid. Hollenberg CP, et al. **Proc Natl Acad Sci USA** 73(6):2072–6, Jun 76

[Genetic effects of the gaseous phase of cigarette smoke on Saccharomyces cerevisiae] Izard C, et al. **C R Acad Sci [D] (Paris)** 282(11):1141–3, 15 Mar 76 (Eng. Abstr.) **(Fre)**

[Virus-like particles in yeast protoplasts. I. Electron microscopic demonstration] Weber H, et al. **Z Allg Mikrobiol** 15(8):631–8, 1975 (Eng. Abstr.) **(Ger)**

[Double-stranded RNA of homothallic Saccharomycetes with different cytoplasmic determinants of antagonistic activity] Nesterova GF, et al. **Dokl Akad Nauk SSSR** 226(4):951–4, 1 Feb 76 **(Rus)**

[Analysis of the inheritance by yeasts of radiation and nitrous acid sensitivity] Arman IP, et al. **Genetika** 10(1):112–8, Jan 74 (Eng. Abstr.) **(Rus)**

[Dominant nonsense suppressors restricting the killer activity in Saccharomyces cerevisiae] Nesterova GF, et al. **Genetika** 11(8):96–103, 1975 (Eng. Abstr.) **(Rus)**

[Effect of uvs1, uvs2 and xrs mutations on the radiosensitivity of and frequency of induced mitotic recombination in diploid yeast cells] Suslova NG, et al. **Genetika** 11(11):58–66, 1975 (Eng. Abstr.) **(Rus)**

[Survival of lyophilized Lactobacillus acidophilus and Saccharomyces cerevisiae] Bobbi CA, et al. **Rev Asoc Argent Microbiol** 6(3):104–9, Sep-Dec 74 (Eng. Abstr.) **(Spa)**

ANALYSIS

Comparative studies on the secondary structure of ribosomal RNA from rat liver, yeast and E. coli. Grancharov KC, et al. **Acta Biol Med Ger** 33(5–6):725–31, 1974

DNA-binding proteins related to the dosage of specific yeast chromosomes. Finkelstein DB, et al. **Biochem Biophys Res Commun** 66(4):1365–72, 27 Oct 75

Studies of odd bases in yeast mitochondrial tRNA: II. Characterization of rare nucleosides. Martin R, et al. **Biochem Biophys Res Commun** 70(3):997–1002, 7 Jun 76

Microheterogeneity of the inner core region of yeast manno-protein. Nakajima T, et al. **Biochem Biophys Res Commun** 66(2):870–9, 16 Sep 75

The extraction and purification of a cysteine transfer ribonucleic acid from baker's yeast. Holness NJ, et al. **Biochem J** 153(2):429–35, 1 Feb 76

The nucleotide sequence of cysteine transfer ribonucleic acid from baker's yeast. Products of complete digestion with pancreatic ribonuclease and ribonuclease T1. Holness NJ, et al. **Biochem J** 153(2):437–46, 1 Feb 76

The nucleotide sequence of cysteine transfer ribonucleic acid from baker's yeast. Identification of the products from partial degradation of the molecule and derivation of the complete sequence. Holness NJ, et al. **Biochem J** 153(2):447–54, 1 Feb 76

Distribution of membranes, especially of plasma-membrane fragments, during zonal centrifugations of homogenates from glucose-repressed Saccharomyces Cerevisiae. Nurminen T, et al. **Biochem J** 154(3):751–63, 15 Mar 76

Raman spectra and structure of yeast phenylalanine transfer RNA in the crystalline state and in solution. Chen MC, et al. **Biochemistry** 14(20):4385–91, 7 Oct 75

Levels and turnover of the proteinase B inhibitors in yeast. Betz H. **Biochim Biophys Acta** 404(1):142–51, 8 Sep 75

Methylated nucleosides in polyadenylate-containing yeast messenger ribonucleic acid. De Kloet SR, et al. **Biochim Biophys Acta** 425(4):401–8, 2 Apr 76

The similarities of ribosomal and basic chromosomal proteins from fungi. Leighton T, et al. **Biochim Biophys Acta** 432(3):381–94, 19 May 76

Abundant species of poly(A)-containing RNA from Saccharomyces cerevisiae. Shalitin C, et al. **Biochim Biophys Acta** 414(3):263–72, 19 Dec 75

Influence of cell concentration, temperature, and press performance on flow characteristics and disintegration in the freeze-pressing of Saccharomyces cerevisiae with the X-press. Magnusson KE, et al. **Biotechnol Bioeng** 18(6):865–83, Jun 76

Influence of salts and gelatin on disintegration of Saccharomyces cerevisiae by freeze-pressing. Magnusson KE, et al. **Biotechnol Bioeng** 18(4):449–63, Apr 76

Analysis of O2'-methylnucleoside 5'-phosphates in snake venom hydrolysates of RNA: identification of O2'-methyl-5-carboxymethyluridine as a constituent of yeast transfer RNA. Gray MW. **Can J Biochem** 53(7):735–46, Jul 75

The primary structure of tRNAIIAgr from brewers' yeast. 2. Partial digestion with ribonuclease T1 and derivation of the complete sequence. Weissenbach J, et al. **Eur J Biochem** 56(2):527–32, 15 Aug 75

The primary structure of tRNAIIArg from brewers' yeast. 1. Complete digestions with pancreatic and T1 ribonucleases. Weissenbach J, et al. **Eur J Biochem** 56(2):521–6, 15 Aug 75

Preferential digestion of (A plus T)-rich stretches of yeast mitochondrial DNA in isolated mitochondria. Zeman LJ, et al. **Eur J Biochem** 57(2):561–7, 15 Sep 75

The occurrence of histone H3 and H4 in yeast. Brandt WF, et al. **FEBS Lett** 65(3):386–90, 15 Jun 76

The primary structure of a non-initiating methionine specific tRNA from brewer's yeast. Gruhl H, et al. **FEBS Lett** 57(2):145–8, 15 Sep 75

Characteristics of DNA fractionated on benzoylated DEAE-cellulose. Pirro G, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1693–701, Nov 75

Purification of tDNA from yeast. Pirro G, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1703–8, Nov 75

A naturally occurring Cu-thionein in Saccharomyces cerevisiae. Prinz R, et al. **Hoppe Seylers Z Physiol Chem** 356(6):767–76, Jun 75

Application of gel filtration technique for the estimation of cardiolipin. Murugesh N, et al. **Indian J Biochem Biophys** 12(1):67–8, Mar 75

Studies on ribosomal ribonucleic acid from yeast. III. Secondary structure of 18 and 26S yeast ribosomal RNA's and their complex: circular dichroism and infrared analyses. Yanagi K, et al. **J Biochem (Tokyo)** 78(3):599–604, Sep 75

Studies on the microsomal electron-transport system of anaerobically grown yeast. III. Spectral characterization of cytochrome P-450. Yoshida Y, et al. **J Biochem (Tokyo)** 78(4):785–94, October 75

Subcellular localization of diffusible ions in the yeast Saccharomyces cerevisiae: quantitative microprobe analysis of thin freeze-dried sections. Roomans GM, et al. **J Cell Sci** 21(1):119–27, Jun 76

Isolation and composition of an alkali-soluble glucan from the cell walls of Saccharomyces cerevisiae. Fleet GH, et al. **J Gen Microbiol** 94(1):180–92, May 76

Minimal post-transcriptional modification of yeast mitochondrial ribosomal RNA. Klootwijk J, et al. **J Mol Biol** 97(3):337–50, 25 Sep 75

Resolution of alpha, beta and gamma DNA of Saccharomyces cerevisiae with the antitumor drug cis-Pt (NH3)2CL2. Evidence for preferential drug binding by GpG sequences of DNA. Stone PJ, et al. **J Mol Biol** 104(4):793–801, 15 Jul 76

Extraction of lipids from yeast. Sobus MT, et al. **Lipids** 11(4):341–8, Apr 76

Isolation of yeast DNA. Cryer DR, et al. **Methods Cell Biol** 12:39–44, 1975

Electron microscopy of analysis of circular repetitive mitochondrial DNA molecules from genetically characterized rho- mutants of Saccharomyces cerevisiae. Lazowska J, et al. **Mol Gen Genet** 146(1):61–78, 5 July 76

Yeast mitochondrial RNA contains a short polyadenylic acid segment. Hendler FJ, et al. **Nature** 258(5533):357–9, 27 Nov 75

Generation of discrete yeast DNA fragments by endonuclease RI. Nath K, et al. **Nature** 257(5522):155–7, 11 Sep 75

Structure of DNA molecules in yeast meiosis. Simchen G, et al. **Nature** 257(5521):64–6, 4 Sep 75

Heterogeneity of mitochondrial DNA from Saccharomyces cerevisiae and genetic information for tRNA. Baldacci G, et al. **Nucleic Acids Res** 2(10):1777–86, Oct 75

Atomic coordinates and molecular conformation of yeast phenylalanyl tRNA. An independent investigation. Stout CD, et al. **Nucleic Acids Res** 3(4):1111–23, Apr 76

Isolation of DNA from yeast by chromatography on hydroxyapatite. Ivanov IG, et al. **Prep Biochem** 5(3):219–28, 1975

Restriction endonuclease analysis of mitochondrial DNA from grande and genetically characterized cytoplasmic petite clones of Saccharomyces cerevisiae. Morimoto R, et al. **Proc Natl Acad Sci USA** 72(10):3868–72, Oct 75

[Polyelectrolytic behavior of saccharomyces cerevisiae RNA in a mixed aqueous-organic environment] Ploumhans MT. **Arch Int Physiol Biochim** 83(5):986–7, Dec 75 **(Fre)**

[Reactivity of the 3'-terminal oligonucleotide Sequence C-A-C-C-A of tRNAPhe and tRNAVal from baker's yeast upon N-oxidation with monoperphthalic acid as compared to the oligonucleotides C-A-C-C-A and A-A-A-U-C-A-C-C-A (author's transl)] Solfert R, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1811–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Characterisation of RNA from synchronously growing yeast cells (Saccharomyces cerevisiae) as separated by columns of methylated albumin on Kieselgur (MAK) (author's transl)] Braun R. **Z Naturforsch [C]** 30(2):248–52, Mar-Apr 75 (Eng. Abstr.) **(Ger)**

[Amino acid structure of autolysates and hydrolysates of baker's yeast in commercial amino acid mixtures] Vitt SV, et al. **Prikl Biokhim Mikrobiol** 11(3):418–22, May-Jun 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Primary classification of beer infecting yeast by a combined test] Guseva II, et al. **Prikl Biokhim Mikrobiol** 11(2):269–73, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The action of anesthetics on the phosphatide pattern of red blood cell and yeast membranes. Blom CP, et al. **Biochem Pharmacol** 25(15):1783–5, 1 Aug 76

Fed batch culture of Saccharomyces cerevisiae; a perspective of computer control to enhance the productivity in baker's yeast cultivation. Aiba S, et al. **Biotechnol Bioeng** 18(7):1001–16, Jul 76

Effect of zymosan on hepatic drug metabolism in mice. II. Identification of active component of yeast cell walls. Hojo H, et al. **Chem Pharm Bull (Tokyo)** 24(2):352–5, Feb 76

Effect of pyrimethamine on the morphology and ultrastructure of Saccharomyces cerevisiae. Stone AB, et al. **Microbios** 12(49):103–9, 1975

DRUG EFFECTS

Inhibition of sporulation by cerulenin and its reversion by exogenous fatty acids in Saccharomyces cerevisiae. Ohno T, et al. **Antimicrob Agents Chemother** 9(1):42–8, Jan 76

Toxicity of nalidixic acid on candida albicans, Saccharomyces cerevisiae, and Kluyveromyces lactis. Sobieski RJ, et al. **Antimicrob Agents Chemother** 9(3):485–92, Mar 76

Comparative studies on sporulation-promotive actions on cyclic AMP, theophylline and caffeine in Saccharomyces cerevisiae. Tsuboi M, et al. **Arch Microbiol** 105(2):83–6, 27 Oct 75

Promotion of sporulation by caffeine pretreatment in Saccharomyces cerevisiae. I. Metabolism of nucleic acids and protein during sporulation. Tsuboi M, et al. **Arch Microbiol** 106(3):159–64, 31 Dec 75

Promotion of sporulation by caffeine pretreatment in Saccharomyces cerevisiae. II. Changes in ribonuclease activity during sporulation. Tsuboi M, et al. **Arch Microbiol** 108(2):149–52, Jun 76

The action of some triphenylmethane dyes on yeast and erythrocyte membranes. Elferink JG, et al. **Arzneim Forsch** 25(8):1248–52, Aug 75

Effect of triparanol and 3beta-(beta-dimethyl-aminoethoxy)-androst-5-en-17-one on growth and non-saponifiable lipids of Saccharomyces cerevisiae. Fung B, et al. **Biochem Pharmacol** 25(11):1249–54, 1 Jun 76

Production of respiratory-deficient mutants of Saccharomyces cerevisiae by (-) luteoskyrin and (+) rugulosin. Ueno Y, et al. **Chem Pharm Bull (Tokyo)** 22(10):2258–62, Oct 74

Loss of mitochondrial DNA in respiration-deficient mutant of yeast induced by 4-nitroquinoline 1-oxide. Morita T, et al. **Gann** 66(6):697–700, Dec 75

Relative retention of mitochondrial markers in petite mutants: mitochondrially determined differences between RHO(+) strains. Molloy PL, et al. **Genet Res** 26(3):319–25, Dec 75

Modification and inheritance of pleiotropic cross resistance and collateral sensitivity in Saccharomyces cerevisiae. Rank GH, et al. **Genetics** (3):783–93, Jul 75

The effect of fetal bovine serum on polyene macrolide antibiotic cytotoxicity and antifungal activity. Bonner DP, et al. **In Vitro** 12(5):399–404, May 76

Membrane-mediated killing of Saccharomyces cerevisiae by glycoproteins from Torulopsis glabrata. Bussey H, et al. **J Bacteriol** 124(1):476–83, Oct 75

Manganese mutagenesis in yeast. A practical application of manganese for the induction of mitochondrial antibiotic-resistant mutations. Putrament A, et al. **J Gen Microbiol** 90(2):265–70, Oct 75

Genetical and biochemical aspects of resistance to p-fluorophenylalanine in Saccharomyces cerevisiae. Rhodes PM, et al. **J Gen Microbiol** 91(2):217–24, Dec 75

Mutagenicity testing of antischistosomal thioxanthenones and indazoles on yeast. von Borstel RC, et al. **J Toxicol Environ Health** 1(2):281–91, Nov 75

Differential effects of nalidixate on the cell growth of respiratory competent strains and cytoplasmic petite mutants of Saccharomyces cerevisiae. Carnevali F, et al. **Mol Gen Genet** 146(1):95–100, 5 July 76

Molecular and genetic events accompanying petite induction and recovery of respiratory competence induced by ethidium bromide. Criddle RS, et al. **Mol Gen Genet** 144(3):263–72, 30 Mar 76

The effect of dose and time on the induction of genetic alterations in Saccharomyces cerevisiae by aminoacridines in the presence and absence of visible light irradiation in comparison with the dose-effect-curves of mutagens with other type of action. Fahrig R. **Mol Gen Genet** 144(2):131–40, 22 Mar 76

Factors affecting petite induction and the recovery of respiratory competence in yeast cells exposed to ethidium bromide. Hall RM, et al. **Mol Gen Genet** 144(3):253–62, 30 Mar 76

Mitochondrial genetic damage induced in yeast by a photoactivated furocoumarin in combination with ethidium bromide or ultraviolet light. Juliani MH, et al. **Mol Gen Genet** 145(3):249–54, 15 Jun 76

Cytoplasmic inheritance of antimycin A resistance in Saccharomyces cerevisiae. Michaelis G. **Mol Gen Genet** 146(2):133–7, 23 Jul 76

Some physiological alteration associated with pleiotropic cross resistance and collateral sensitivity in Saccharomyces cerevisiae. Rank GH, et al. **Mol Gen Genet** 144(3):281–8, 30 Mar 76

Division delay and DNA degradation after mutagen treatment of the yeast, Saccharomyces cerevisiae. Wilmore PJ, et al. **Mol Gen Genet** 145(3):287–91, 15 Jun 76

Effect of caffeine on the rho- -induction with ethidium bromide in Saccharomyces cerevisiae. Wolf K, et al. **Mol Gen Genet** 146(1):89–93, 5 July 76

Mutagen specificity in the induction of mitotic crossing-over in Saccharomyces cerevisiae. Zimmermann FK, et al. **Mol Gen Genet** 139(3):255–68, 27 Aug 75

Yeast mutants resistant to basic fuchsin: a genetic approach to the integration of nuclear and mitochondrial information. Barrere G, et al. **Mutat Res** 35(1):39–52, Apr 76

Genetic effects of formaldehyde in yeast. II. Influence of ploidly and of mutations affecting radiosensitivity on its lethal effect. Chanet R, et al. **Mutat Res** 35(1):29–38, Apr 76

A protective effect of caffeine on the ethidium induced petite mutation in yeast. Hixon SC, et al. **Mutat Res** 34(2):195–200, Feb 76

Induction of rho- mutants in Saccharomyces cerevisiae by guanidine hydrochloride. II. Conditions that prevent rho- induction. Juliani MH, et al. **Mutat Res** 30(3):335–42, Dec 75

The effect of caffeine on survival of UV-irradiated diploid yeast strains of different sensitivities. Kiefer J. **Mutat Res** 30(3):317–26, Dec 75

Induction of mitotic gene conversion in Saccharomyces cerevisiae with chlordiazepoxide and its N-nitroso derivative in a host-mediated assay. Krafft S, et al. **Mutat Res** 34(2):333–6, Feb 76

Induction of mitotic recombination with N-methyl-N'-nitro-N-nitrosoguanidine (MNNG) in Saccharomyces cerevisiae. A comparison between treatment in vitro and in the host-mediated assay. Ryttman H, et al. **Mutat Res** 34(2):201–16, Feb 76

Genetic activity of the antimicrobial food additives AF-2 and H-193 in Saccharomyces cerevisiae. Shahin MM, et al. **Mutat Res** 38(3):215–24, Jun 76

Inactivation and mutation of yeast cells by hydrogen peroxide. Thacker J. **Mutat Res** 33(2-3):147–56, Dec 75

The induction of mutation in yeast by hydrogen peroxide. Thacker J, et al. **Mutat Res** 38(1):43–52, Feb 76

Indirect selection for auxotrophic mutants of Saccharomyces cerevisiae using the antibiotic netropsin. Young JD, et al. **Mutat Res** 35(3):423–8, Jun 76

The effects of salicylic acid on metabolism and potassium ion content in yeast. Scharff TG, et al. **Proc Soc Exp Biol Med** 151(1):72–7, Jan 76

Structural specificity in the lethal and mutagenic activity of furocoumarins in yeast cells. Averbeck D, et al. **Radiat Environ Biophys** 12(3):241–52, 2 Oct 75

[Haloprogin. Its effects in the presence of glucocorticoids and neomycin] Raab W, et al. **Z Hautkr** 50(12):499–505, 15 Jun 75 (Eng. Abstr.) **(Ger)**

[Effect of N-methyl-N-beta-chloroethylhydrazine and its benzaldehydhydrazone on RNA-and protein synthesis as well as metabolism of synchronously growing yeast cells (Saccharomyces cerevisiae) (author's transl)] Braun R, et al. **Z Naturforsch [C]** 31(5-6):298–303, May-Jun 76 (Eng. Abstr.) **(Ger)**

[Effect of N-methyl-N-beta-chloroethyl-hydrazine-HCl on the growth and multiplication of yeast cells (Saccharomyces cerevisiae) (author's transl)] Braun R, et al. **Z Naturforsch [C]** 31(5-6):292–7, May-Jun 76 (Eng. Abstr.) **(Ger)**

[Increase in the frequency of mutations induced by acridine orange in Saccharomyces cerevisiae by irradiation of the mutagen] Comorosan S, et al. **Rev Ig [Bacteriol]** 19(5):395–9, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

[Ploidy and liquid-holding recovery in yeasts sensitive to radiation and nitrous acid] Arman IP, et al. **Genetika** 11(5):80–9, 1975 (Eng. Abstr.) **(Rus)**

[Ploidy and liquid-holding recovery in yeasts sensitive to radiation and nitrous acid] Arman IP, et al. **Genetika** 11(5):80–9, 1975 (Eng. Abstr.) **(Rus)**

[New type of mitochondrial mutation in yeasts—temperature-dependent mitochondrial mutations resistant to antibiotics] Kal'dma IaA. **Genetika** 11(5):151–3, 1975 (Eng. Abstr.) **(Rus)**

[New type of mitochondrial mutation in yeasts—temperature-dependent mitochondrial mutations resistant to antibiotics] Kal'dma IaA. **Genetika** 11(5):151–3, 1975 (Eng. Abstr.) **(Rus)**

[Single-parent inheritance of mitochondrial mutations resistant to tetracycline in Saccharomyces cerevisiae] Nevzgliadova OV. **Genetika** 11(6):119–27, 1975 (Eng. Abstr.) **(Rus)**

[Nuclear suppression of a mitonchondrial mutation of tetracycline resistance in Saccharomyces cerevisiae] Nevzgliadova OV. **Genetika** 11(8):108–14, 1975 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The role of oxaloacetate as feed-back inhibitor of isocitrate lyase in baker's yeast. Varimo M, et al. **Acta Chem Scand [B]** 29(9):982–4, 1975

Studies on cytochrome b2 synthesis in Saccharomyces cerevisiae. Pachecka J, et al. **Acta Microbiol Pol [A]** 7(4):189–99, 1975

Assay of phosphoenolpyruvate carboxykinase in crude yeast extracts. Hansen RJ, et al. **Anal Biochem** 74(2):576–84, Aug 76

A purification of trehalase from Saccharomyces cerevisiae. Kelly PJ, et al. **Anal Biochem** 72:353–8, 7 May 76

A spectrophotometric assay for demethiolating activity. Laakso S, et al. **Anal Biochem** 72:600–5, 7 May 76

Regulation of citrate synthase activity of Saccharomyces cerevisiae. Coleman JS, et al. **Antonie van Leeuwenhoek** 41(3):249–56, 1975

Isoionic titration and isopycnic density gradient centrifugation studies of magnesium activation and subunit dissociation in yeast enolase. Brewer JM. **Arch Biochem Biophys** 171(2):466–73, Dec 75

Enzymes of pentose biosynthesis. The quaternary structure and reacting form of transketolase from baker's yeast. Cavaliere SW, et al. **Arch Biochem Biophys** 171(2):527–32, Dec 75

Effect of cordycepin triphosphate on the nuclear DNA-dependent RNA polymerases and poly(A) polymerase from the yeast, Saccharomyces cerevisiae. Horowitz B, et al. **Arch Biochem Biophys** 172(1):143–8, Jan 76

Yeast glutathione reductase. Steady-state kinetic studies of its transhydrogenase activity. Moroff G, et al. **Arch Biochem Biophys** 173(1):42–9, Mar 76

Studies on the 'aerobic' acetyl-coenzyme A synthetase of Saccharomyces cerevisiae: purification, crystallization, and physical properties of the enzyme. Satyanarayana T, et al. **Arch Biochem Biophys** 174(2):480–90, Jun 75

Fatty acid desaturase system of yeast microsomes. Involvement of cytochrome b5-containing electron-transport chain. Tamura Y, et al. **Arch Biochem Biophys** 175(1):284–94, Jul 76

Location and regulation of early enzymes of sterol biosynthesis in yeast. Trocha PJ, et al. **Arch Biochem Biophys** 174(1):45–51, May 76

A ziram-resistant strain of Saccharomyces cerevisiae with modified glycerokinase activity. Kreis M, et al. **Arch Int Physiol Biochim** 83(5):978–9, Dec 75

Effect of aeration on the activity of gluconeogenetic enzymes in Saccharomyces cerevisiae growing under glucose limitation. Haarasilta S, et al. **Arch Microbiol** 106(3):271–3, 31 Dec 75

The isolation and characterization of peroxisomes (microbodies) from baker's yeast, Saccharomyces cerevisiae. Parish RW. **Arch Microbiol** 105(3):187–92, 7 Nov 75

The intramitochondrial location of cytochrome c peroxidase in wild-type and petite Saccharomyces cerevisiae. Williams PG, et al. **Arch Microbiol** 107(1):63–70, Feb 76

Yeast RNA polymerase I: a eukaryotic zinc metalloenzyme. Auld DS, et al. **Biochem Biophys Res Commun** 69(2):540–54, 22 Mar 76

Amino acid sequence around a reactive cysteine of yeast alcohol dehydrogenase. Balestrieri C, et al. **Biochem Biophys Res Commun** 66(3):900–6, 6 Oct 75

Possible failure of NADP-glutamate dehydrogenase to participate directly in nitrogen repression of the allantoin degradative enzymes in Saccharomyces cerevisiae. Bossinger J, et al. **Biochem Biophys Res Commun** 66(3):889–92, 6 Oct 75

The zinc content of yeast alcohol dehydrogenase. Klinman JP, et al. **Biochem Biophys Res Commun** 70(3):878–84, 7 Jun 76

Studies on the oligomeric structure of yeast phosphofructo-kinase by means of cross-linking diimidoesters. Kopperschläger G, et al. **Biochem Biophys Res Commun** 71(1):371–8, 12 Jul 76

Localization of the central and peripheral SH-groups on the same polypeptide chain of yeast fatty acid synthetase. Kresze GB, et al. **Biochem Biophys Res Commun** 69(4):893–9, 19 Apr 76

Bakers' yeast uridine nucleosidase is a regulatory copper containing protein. Magni G, et al. **Biochem Biophys Res Commun** 69(3):724–30, 5 Apr 76

Irreversible inhibition of mamalian and yeast S-adenosylmethionine decarboxylase by 1,1'-(methylethanediylidenedinitrilo)-bis (3-aminoguanidine). Pegg AE, et al. **Biochem Biophys Res Commun** 69(3):766–74, 5 Apr 76

Studies of odd bases in yeast mitochondrial tRNA: III. Characterization of the tRNA methylases associated with the mitochondria. Schneller C, et al. **Biochem Biophys Res Commun** 70(3):1003–8, 7 Jun 76

The 24,000 dalton subunit and the activity of yeast RNA polymerases. Valenzuela P, et al. **Biochem Biophys Res Commun** 71(1):26–31, 12 Jul 76

The intrinsic zinc atoms of yeast alcohol dehydrogenase. Veillon C, et al. **Biochem Biophys Res Commun** 67(4):1494–500, 15 Dec 75

A study of the pH- and temperature-dependence of the reactions of yeast alcohol dehydrogenase with ethanol, acetaldehyde and butyraldehyde as substrates. Dickenson CJ, et al. **Biochem J** 147(2):303–11, May 75

Some properties of an alcohol dehydrogenase partially purified from baker's yeast grown without added zinc. Dickenson CJ, et al. **Biochem J** 153(2):309–19, 1 Feb 76

Yeast phosphoglycerate mutate. Cyanogen bromide cleavage and amino acid sequence of an active-site peptide. Fothergill LA, et al. **Biochem J** 153(2):145–9, 1 Feb 76

Differences in the degradation of yeast phosphofructokinase by proteinases A and B from yeast. Huse K, et al. **Biochem J** 155(3):721–3, 1 Jun 76

S-adenosylmethionine decarboxylase from baker's yeast. Pösö H, et al. **Biochem J** 151(1):67–73, Oct 75

Kinetics and reaction mechanism of yeast alcohol dehydrogenase with long-chain primary alcohols. Schöpp W, et al. **Biochem J** 157(1):15–22, 1 Jul 76

The association of yeast phosphoglycerate kinase (EC

2.7.2.3). Spragg SP, et al. **Biochem J** 153(2):423–8, 1 Feb 76

Dissociation and catalysis in yeast hexokinase A. Williams DC, et al. **Biochem J** 155(3):661–7, 1 Jun 76

The three-dimensional structure of yeast phenylalanine transfer ribonucleic acid and its interaction with aminoacyl synthetases. Rich A. **Biochem Soc Trans** 3(5):641–5, 1975

In vivo and in vitro phosphorylation of ribosomal proteins by protein kinases from Saccharomyces cerevisiae. Becker-Ursic D, et al. **Biochemistry** 15(11):2289–96, 1 Jun 76

The specificity of induced conformational changes. The case of yeast glyceraldehyde-3-phosphate dehydrogenase. Byers LD, et al. **Biochemistry** 14(16):3661–9, 12 Aug 75

Isotope effects and structure-reactivity correlations in the yeast alcohol dehydrogenase reaction. A study of the enzyme-catalyzed oxidation of aromatic alcohols. Klinman JP. **Biochemistry** 15(9):2018–26, 4 May 76

Glucose-6-phosphate dehydrogenase from brewers' yeast. The effects of pH and temperature on the steady-state kinetic parameters of the two-chain protein species. Kuby SA, et al. **Biochemistry** 15(9):1975–87, 4 May 76

Inactivation of rat liver RNA polymerases I and II and yeast RNA polymerase I by pyrodixal 5'-phosphate. Evidence for the participation of lysyl residues at the active site. Martial J, et al. **Biochemistry** 14(22):4907–11, 4 Nov 75

Subunit interactions in yeast glyceraldehyde-3-phosphate dehydrogenase. Mockrin SC, et al. **Biochemistry** 14(25):5428–37, 16 Dec 75

Borate inhibition of yeast alcohol dehydrogenase. Smith KW, et al. **Biochemistry** 15(3):560–5, 10 Feb 76

Effects of pH and thiols on the kinetics of yeast glyoxalase I. An evaluation of the random pathway mechanism. Vander Jagt DL, et al. **Biochemistry** 14(16):3669–75, 12 Aug 75

A nonspecific inhibitory effect of tRNA on the activity of 3-deoxy-D-arabino-heptulosonate-7-phosphate synthase from Saccharomyces cerevisiae. Bell JB, et al. **Biochim Biophys Acta** 435(1):21–9, 2 Jun 76

Purification and properties of NADP-dependent glutamate dehydrogenase from yeast nuclear fractions. Camardella L, et al. **Biochim Biophys Acta** 429(2):324–30, 8 Apr 76

Biosynthesis of yeast mannan. Diversity of mannosyltransferases in the mannan-synthesizing enzyme system from yeast. Farkaš V, et al. **Biochim Biophys Acta** 428(3):573–82, 28 May 76

The proton transfer reactions catalyzed by yeast pyruvate kinase. Ford SR, et al. **Biochim Biophys Acta** 438(1):119–30, 7 Jun 76

Spectrophotometric pH titrations and nitration with tetranitromethane of the tyrosyl residues in yeast phosphoglycerate kinase. Hjelmgren T, et al. **Biochim Biophys Acta** 445(2):342–9, 14 Sep 76

Secondary kinase reactions catalyzed by yeast pyruvate kinase. Leblond DJ, et al. **Biochim Biophys Acta** 438(1):108–18, 7 Jun 76

External yeast beta-fructosidase. The role of tryptophyl residues in catalysis. Leskovac V, et al. **Biochim Biophys Acta** 405(2):482–91, 20 Oct 75

Yeast aminopeptidase I. Chemical composition and catalytic properties. Metz G, et al. **Biochim Biophys Acta** 429(3):933–49, 13 May 76

Purification of protoplast-secreted acid phosphatase from baker's yeast. Effect on adenosine triphosphatase activity. Mildner P, et al. **Biochim Biophys Acta** 429(1):274–82, 11 Mar 76

Yeast glutathione reductase. Studies of the kinetics and stability of the enzyme as a function of pH and salt concentration. Moroff G, et al. **Biochim Biophys Acta** 410(1):21–31, 20 Nov 75

Anomalous fluorescence of yeast 3-phosphoglucerate kinase. Nojima H, et al. **Biochim Biophys Acta** 427(1):20–7, 18 Mar 76

Triacylglycerol lipase activity in baker's yeast (Saccharomyces cerevisiae). Schousboe I. **Biochim Biophys Acta** 424(3):366–75, 26 Mar 76

A gene controlling the synthesis of non specific alkaline phosphatase in Saccharomyces cerevisiae. Toh-E A, et al. **Biochim Biophys Acta** 428(1):182–92, 25 Mar 76

Multiple forms of mitochondrial alcohol dehydrogenase in Saccharomyces cerevisiae. Wiesenfeld M, et al. **Biochim Biophys Acta** 405(2):500–12, 20 Oct 75

Purification and properties of threonine deaminase from Saccharomyces cerevisiae. Ahmed SI, et al. **Biochimie** 58(1–2):225–32, 1976

Non specific induction of arginase in Saccharomyces cerevisiae. Dubois EL, et al. **Biochimie** 58(1–2):207–11, 1976

Complete amino acid sequence of the heme-binding core in bakers' yeast cytochrome b2 (L-(+)-lactate dehydrogenase). Guiard B, et al. **Biochimie** 58(3):305–16, 1976

Further characterization of yeast RNA polymerases. Effect of subunits removal. Huet J, et al. **Biochimie** 58(1–2):71–80, 1976

Effects of changes in growth rate on the levels of several aminoacyl-tRNA synthetases in yeast. Imbault P, et al. **Biochimie** 57(5):579–85, 1975

Complete purification and studies on the structural and kinetic properties of two forms of yeast valyl-tRNA synthetase. Kern D, et al. **Biochimie** 57(10):1167–76, 1975

Control of enzyme synthesis and stability during sporulation in Saccharomyces cerevisiae. Klar AJ, et al. **Biochimie** 58(1–2):219–24, 1976

Studies of the regulation and reaction mechanism of the carbamyl phosphate synthetase and aspartate transcarbamylase of bakers' yeast. Lue PF, et al. **Biochimie** 58(1–2):19–25, 1976

The kinetics of protein salting-out: precipitation of yeast enzymes by ammonium sulfate. Foster PR, et al. **Biotechnol Bioeng** 18(4):545–80, Apr 76

Kinetic effect of some aliphatic amines on yeast alcohol dehydrogenase. Dove MJ, et al. **Can J Biochem** 54(5):432–7, May 76

Purification and properties of phenylalanyl-tRNA synthetase from baker's yeast. Hossain A. **Can J Biochem** 53(12):1316–22, Dec 75

Protein degradation and proteinases during yeast sporulation. Betz H, et al. **Eur J Biochem** 62(1):65–76, 2 Feb 76

Sterol biosynthesis in yeast. 3-Hydoroxy-3-methylglutaryl-Coenzyme A reductase as a regulatory enzyme. Boll M, et al. **Eur J Biochem** 54(2):435–44, Jun 75

Purification and properties of phosphoglucomutase from Fleischmann's yeast. Daugherty JP, et al. **Eur J Biochem** 57(1):115–26, 1 Sep 75

Control of fatty-acid synthetase biosynthesis in Saccharomyces cerevisiae. Dietlein G, et al. **Eur J Biochem** 58(1):177–84, 1 Oct 75

Phenylalanyl-tRNA and seryl-tRNA synthetases from baker's yeast. Substrate specificity with regard to ATP analogs and mechanism of the aminoacylation reaction. Freist W, et al. **Eur J Biochem** 64(2):389–93, 1 May 76

Valyl-tRNA, isoleucyl-tRNA and tyrosyl-tRNA synthetase from baker's yeast. Substrate specificity with regard to ATP analogs and mechanism of the aminoacylation reaction. Freist W, et al. **Eur J Biochem** 66(3):493–7, 15 Jul 76

Arginyl-tRNA synthetase from baker's yeast. Purification and some properties. Gangloff J, et al. **Eur J Biochem** 65(1):177–82, 17 May 76

On the activity and regulation of anaplerotic and gluconeogenetic enzymes during the growth process of baker's yeast. The biphasic growth. Haarasilta S, et al. **Eur J Biochem** 52(1):1–7, 3 Mar 75

Yeast hexokinase: substrate-induced association—dissociation reactions in the binding of glucose to hexokinase P-II. Hoggett JG, et al. **Eur J Biochem** 66(1):65–77, 15 Jun 76

Spectroscopic investigation of binary and ternary coenzyme complexes of yeast alcohol dehydrogenase. Karlović D, et al. **Eur J Biochem** 66(2):277–84, 1 JUL 76

The cytochrome bc1 complex of yeast mitochondria. Isolation and partial characterization of the cytochrome bc1 complex and cytochrome b. Katan MB, et al. **Eur J Biochem** 65(1):95–105, 17 May 76

Malonyl and palmityl transferase-less mutants of the yeast fatty-acid-synthetase complex. Knobling A, et al. **Eur J Biochem** 56(2):359–67, 15 Aug 75

Temperature-sensitive mutants of the yeast fatty-acid-synthetase complex. Knobling A, et al. **Eur J Biochem** 59(2):415–21, 15 Nov 75

Fluorescence studies on the interaction between yeast seryl-tRNA synthetase and its substrates. Maelicke A, et al. **Eur J Biochem** 52(1):171–8, 3 Mar 75

Studies on the active site of yeast hexokinase. Specific phosphorylation of a serine residue induced by D-xylose and ATPMg. Menezes LC, et al. **Eur J Biochem** 65(1):41–7, 17 May 76

Control of fatty-acid synthetase levels by exogeneous long-chain fatty acids in the yeasts Candida lipolytica and Saccharomyces cerevisiae. Meyer KH, et al. **Eur J Biochem** 65(2):317–24, 1 Jun 76

Interaction between arginase and L-ornithine carbamoyltransferase in Saccharomyces cerevisiae. The regulatory sites of arginase. Penninckx M. **Eur J Biochem** 58(2):533–8, 15 Oct 75

Yeast hexokinase A. Succinylation and properties of the active subunit. Rossi A, et al. **Eur J Biochem** 59(2):423–32, 15 Nov 75

Subunit structure and multifunctional properties of yeast phosphoglyceromutase. Sasaki R, et al. **Eur J Biochem** 66(3):523–33, 15 Jul 76

Localization in yeast mitochondrial DNA of mutations expressed in a deficiency of cytochrome oxidase and/or coenzyme QH2-cytochrome c reductase. Slonimski PP, et al. **Eur J Biochem** 61(1):27–41, 2 Jan 76

Nuclear-magnetic-resonance study of the active-site structure of yeast phosphoglycerate kinase. Tanswell P, et al. **Eur J Biochem** 63(1):249–62, 16 Mar 76

Limited proteolysis of yeast phosphofructokinase by subtilisin. Alterations in enzyme activity, subunit composition, and hydrodynamic properties. Taucher M, et al. **Eur J Biochem** 59(2):319–25, 15 Nov 75

Phenylalanyl-tRNA synthetase from baker's yeast. Salt dependence of steady-state kinetics indicates two molecular forms of the enzyme. von der Haar F. **Eur J Biochem** 64(2):395–8, 1 May 76

Two forms of serine transhydroxymethylase, one absent in a thymidylate-less mutant in Saccharomyces cerevisiae. Zelikson R, et al. **Eur J Biochem** 64(1):7–13, 15 Apr 76

Presence of a specific uridine 5'-monophosphate pyrophosphorylase in baker's yeast. Natalini P, et al. **Experientia** 31(9):1008–10, 15 SEP 75

Yeast RNA-polymerase B: A zinc protein. Lattke H, et al. **FEBS Lett** 65(3):288–92, 15 Jun 76

Biochemical studies on the cytosine permease of Saccharomyces cerevisiae. Parlebas N, et al. **FEBS Lett** 65(3):327–34, 15 Jun 76

Origin of the mitochondrial RNA polymerase of yeast. Scragg AH. **FEBS Lett** 65(2):148–51, 1 Jun 76

Assembly of the mitochondrial membrane system XVI. Modified form of the ATPase proteolipid in oligomycin-resistant mutants of Saccharomyces cerevisiae. Tzagoloff A, et al. **FEBS Lett** 65(3):391–5, 15 Jun 76

Glyoxylic acid as an active site marker of yeast pyruvate decarboxylase. Uhlemann H, et al. **FEBS Lett** 63(1):37–9, 15 Mar 76

Tautomeric and anomeric specificity of allosteric activation of yeast pyruvate kinase by D-fructose 1, 6-bisphosphate and its relevance in D-glucose catabolism. Wurster B, et al. **FEBS Lett** 63(1):17–21, 15 Mar 76

Formation of a complex between yeast proteinases A and B. Hinze H, et al. **Hoppe Seylers Z Physiol Chem** 356(8):1259–64, Aug 75

Identification of cytochrome a and a3 in yeast cells. Kuschmitz D, et al. **Hoppe Seylers Z Physiol Chem** 356(7):1139–49, Jul 75

A ligand-induced conformational change of yeast dipeptidase at physiological pH: kinetic consequences and possible regulatory significance. Röhm KH. **Hoppe Seylers Z Physiol Chem** 356(6):903–14, Jun 75

Phenylalanyl-tRNA synthetase from baker's yeast: specificity and quantitation of affinity elution with tRNA. von der Haar. **Hoppe Seylers Z Physiol Chem** 357(6):819–23, Jun 76

Gene fusion in the fatty acid synthetase system of Saccharomyces cerevisiae. pp. 133–46. Schweizer E, et al. **In: Keleti T. ed. Mechanism of action and regulation of enzymes. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.32.**

Regulation of enzymes in situ. pp. 211–21. Sols A. **In: Keleti T. ed. Mechanism of action and regulation of enzymes. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.32.**

The biosynthesis of cytochrome c oxidase in baker's yeast. pp. 157–69. Schatz G. **In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Enzymatic analysis of C27 sterol-accumulating yeast strains. Bailey RB, et al. **J Bacteriol** 126(2):1012–3, May 76

Methionine-and S-adenosyl methionine-mediated repression in a methionyl-transfer ribonucleic-acid synthetase mutant of Saccharomyces cerevisiae. Cherest H, et al. **J Bacteriol** 123(2):428–35, Aug 75

Control of inositol biosynthesis in Saccharomyces cerevisiae; inositol-phosphate synthetase mutants. Culbertson MR, et al. **J Bacteriol** 126(1):243–50, Apr 76

Control of inositol biosynthesis in Saccharomyces cerevisiae: properties of a repressible enzyme system in extracts of wild-type (Ino+) cells. Culbertson MR, et al. **J Bacteriol** 126(1):232–42, Apr 76

Proteinase activities of Saccharomyces cerevisiae during sporulation. Klar AJ, et al. **J Bacteriol** 124(2):863–9, Nov 75

Effect of GAL4 gene dosage on the level of galactose catabolic enzymes in Saccharomyces cerevisiae. Klar AJ, et al. **J Bacteriol** 125(1):379–81, Jan 76

Factors affecting the palmitoyl-coenzyme A desaturase of Saccharomyces cerevisiae. Klein HP, et al. **J Bacteriol** 124(2):718–23, Nov 75

Derepression in Saccharomyces cerevisiae can be dissociated from cellular proliferation and deoxyribonucleic acid synthesis. Mahler HR, et al. **J Bacteriol** 123(2):637–41, Aug 75

Thermosensitive mutations affecting ribonucleic acid polymerases in Saccharomyces cerevisiae. Thonart P, et al. **J Bacteriol** 125(1):25–32, Jan 76

Localization of acid phosphatase in protoplasts from Saccharomyces cerevisiae. van Rijn HJ, et al. **J Bacteriol** 123(3):1144–9, Sep 75

Proceedings: Characteristics and functions of proteinases and proteinase-inhibitors in yeast. Holzer H. **J Biochem (Tokyo)** 79(4):39P, Apr 76

O-acetylserine and O-acetylhomoserine sulfhydrylase of yeast; studies with methionine auxotrophs. Yamagata S, et al. **J Biochem (Tokyo)** 77(5):1029–36, May 75

Renaturation of yeast inorganic pyrophosphatase denatured in urea and guanidine hydrochloride. Yano Y, et al. **J Biochem (Tokyo)** 78(5):1001–11, Nov 75

Yeast alpha-isopropylmalate isomerase. Factors affecting stability and enzyme activity. Bigelis R, et al. **J Biol Chem** 251(12):3545–52, 25 Jun 76

Structural studies on yeast RNA polymerases. Existence of common subunits in RNA polymerases A(I) and B(II). Buhler JM, et al. **J Biol Chem** 251(6):1712–7, 25 Mar 76

Kinetic studies of leucyl transfer RNA synthetase from bakers' yeast. Order of addition of substrates and release of products. Lin CS, et al. **J Biol Chem** 250(24):9299–303, 25 Dec 75

Studies on cytochrome oxidase. Partial resolution of enzymes containing seven or six subunits, from yeast and beef heart, respectively. Phan SH, et al. **J Biol Chem** 251(2):257–69, 25 Jan 76

Cr(III) complexes as active site probes of yeast inorganic pyrophosphatase. Sperow JW, et al. **J Biol Chem** 251(9):2611–2, 10 May 76

Assembly of the mitochondrial membrane system. Characterization of nuclear mutants of Saccharomyces cerevisiae with defects in mitochondrial ATPase and

respiratory enzymes. Tzagoloff A, et al. **J Biol Chem** 250(20):8228–35, 25 Oct 75

The activating system of chitin synthetase from Saccharomyces cerevisiae. Purification and properties of the activating factor. Ulane RE, et al. **J Biol Chem** 251(11):3367–74, 10 Jun 76

Yeast DNA-dependent RNA polymerase I. A rapid procedure for the large scale purification of homogeneous enzyme. Valenzuela P, et al. **J Biol Chem** 251(5):1464–70, 10 Mar 76

A revised preparation of yeast (Saccharomyces cerevisiae) pyruvate kinase. Yun SL, et al. **J Biol Chem** 251(1):124–8, 10 Jan 76

Loss of cytochrome oxidase in Saccharomyces cerevisiae during inhibition of mitochondrial protein synthesis by erythromycin and chloramphenicol. Stone AB, et al. **J Gen Microbiol** 91(1):150–6, Nov 75

Analysis of the allosteric basis for positive and negative co-operativity and half-of-the-sites reactivity in yeast and rabbit muscle glyceraldehyde 3-phosphate dehydrogenase. Herzfeld J, et al. **J Mol Biol** 97(4):483–517, 5 Oct 75

Crystallographic study of bakers' yeast cytochrome b2. Mathews FS, et al. **J Mol Biol** 102(4):853–7, 25 Apr 76

Affinity of arginase for ornithine carbamoyltransferase in Saccharomyces cerevisiae. Penninckx M, et al. **J Mol Biol** 104(4):819–31, 15 Jul 76

High resolution x-ray structure of yeast hexokinase, an allosteric protein exhibiting a non-symmetric arrangement of subunits. Steitz TA, et al. **J Mol Biol** 104(1):197–22, 14 Jun 76

Effect of reductones on glyoxalase II. Iio M, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(1):53–61, 1976

Studies of the oligomycin-sensitive ATPase from yeast mitochondria. Reconstitution of ATP-32Pi exchange in the presence of phospholipids. Ryrie IJ. **J Supramol Struct** 3(3):242–7, 1975

DNA-dependent RNA polymerases from yeasts. Ponta H, et al. **Methods Cell Biol** 12:65–76, 1975

Methods for avoiding proteolytic artefacts in studies of enzymes and other proteins from yeasts. Pringle JR. **Methods Cell Biol** 12:149–84, 1975 (191 ref.)

Interaction of aminoacyl-tRNA synthetases and tRNA: positive and negative cooperativity of their active centres. Malygin EG, et al. **Mol Biol Rep** 2(6):445–54, Jul 76

Some properties of the adenosine triphosphatase systems of two yeast species, Saccharomyces cerevisiae and Rhodotorula glutinis. Sigler K, et al. **Mol Cell Biochem** 12(2):73–9, 30 Aug 76

Genetics of alcohol dehydrogenase in Saccharomyces cerevisiae. II. Two loci controlling synthesis of the glucose-repressible ADH II. Ciriacy M. **Mol Gen Genet** 138(2):157–64, 1975

Cis-dominant regulatory mutations affecting the formation of glucose-repressible alcohol dehydrogenase (ADHII) in Saccharomyces cerevisiae. Ciriacy M. **Mol Gen Genet** 145(3):327–33, 15 Jun 76

Fine structure of the URA2 locus in Saccharomyces cerevisiae. II. Meiotic and mitotic mapping studies. Denis-Duphil M, et al. **Mol Gen Genet** 145(3):259–71, 15 Jun 76

Genetic control of invertase formation in Saccharomyces cerevisiae. I. Isolation and characterization of mutants affecting sucrose utilization. Hackel RA. **Mol Gen Genet** 140(4):361–70, 22 Oct 75

Genetic and biochemical studies of phosphomannose isomerase deficient mutants of Saccharomyces cerevisiae. Herrera LS, et al. **Mol Gen Genet** 144(2):223–30, 22 Mar 76

Lomofungin inhibition of allophanate hydrolase synthesis in Saccharomyces cerevisiae. Lawther RP, et al. **Mol Gen Genet** 137(2):89–99, 1975

Genetics of borrelidin resistant mutants of Saccharomyces cerivisiae and properties of their threonyl-tRNA-synthetase. Nass G, et al. **Mol Gen Genet** 147(1):39–43, 10 Aug 76

Two new genes controlling the constitutive acid phosphatase synthesis in Saccharomyces cerevisiae. Toh-e A, et al. **Mol Gen Genet** 141(1):81–3, 3 Nov 75

Genes coding for the structure of the acid phosphatases in Saccharomyces cerevisiae. Toh-e A, et al. **Mol Gen Genet** 143(1):65–70, 30 Dec 75

Analaysis of photoenzymatic repair of UV lesions in DNA by single light flashes. XI. Light-induced activation of the yeast photoreactivating enzyme. Harm H, et al. **Mutat Res** 34(1):75–92, Jan 76

Nuclear origin of specific yeast mitochondrial aminoacyl-tRNA synthetases. Schneller JM, et al. **Nucleic Acids Res** 3(5):1151–65, May 76

Isolation and partial charcterization of a cytochrome b complex and cytochrome oxidase from yeast mitochondria. Marjanen LA. **Prep Biochem** 6(2–3):153–75, 1976

Chitin synthetase zymogen is attached to the yeast plasma membrane. Durán A, et al. **Proc Natl Acad Sci USA** 72(10):3952–5, Oct 75

Position of aminoacylation of individual Escherichia coli and yeast tRNAs. Hecht SM, et al. **Proc Natl Acad Sci USA** 73(2):405–9, Feb 76

Dissociation of two polypeptide chains from yeast RNA polymerase A. Huet J, et al. **Proc Natl Acad Sci USA** 72(8):3034–8, Aug 75

Evidence that acyl coenzyme A synthetase activity is required for repression of yeast acetyl coenzyme A carboxylase by exogenous fatty acids. Kamiryo T, et al. **Proc Natl Acad Sci USA** 73(2):386–90, Feb 76

Yeast manno-protein biosynthesis: solubilization and selective assay of four mannosyltransferases. Nakajima T, et al. **Proc Natl Acad Sci USA** 72(10):3912–6, Oct 75

Transcription in yeast: alpha-amanitin sensitivity and other properties which distinguish between RNA polymerases I and III. Schultz LD, et al. **Proc Natl Acad Sci USA** 73(4):1029–33, Apr 76

A ribosome-dependent GTPase from yeast distinct from elongation factor 2. Skogerson L, et al. **Proc Natl Acad Sci USA** 73(1):73–6, Jan 76

Reversible, coenzyme-A-mediated inactivation of biosynthetic condensing enzymes in yeast: a possible regulatory mechanism. Tracy JW, et al. **Proc Natl Acad Sci USA** 72(5):1802–6, May 75

Molecular structure of yeast RNA polymerase III: demonstration of the tripartite transcriptive system in lower eukaryotes. Valenzuela P, et al. **Proc Natl Acad Sci USA** 73(4):1024–8, Apr 76

Lanosterol 14alpha-demethylase. Similarity of the enzyme system from yeast and rat liver. Mitropoulos KA, et al. **Steroids** 27(6):821–9, Jun 76

[The polyphosphate synthetase of Saccharomyces cerevisiae] Felter MS, et al. **C R Acad Sci [D] (Paris)** 280(16):1903–6, 28Apr 75 (Eng. Abstr.) **(Fre)**

[Presence of poly (A) polymerase activity in mitochondria of various organisms] De Giorgi C, et al. **Boll Soc Ital Biol Sper** 51(19):1342–8, 15 Oct 75 **(Ita)**

[Systematization of purification procedures of enzymes (author's transl)] Takagahara I, et al. **Protein Nucleic Acid Enzyme (Tokyo)** 21(2):129–43, 1 Feb 76 **(Jpn)**

[Study of the incorporation of radioactive zinc in Saccharomyces cerevisiae aldolase] Rabega C, et al. **Rev Ig [Bacteriol]** 21(1):33–6, Jan-Mar 76 (Eng. Abstr.) **(Rum)**

[Study of purified aldolase from Saccharomyces cerevisiae, using irradiated fructose-1,6-diphosphate] Rabega C, et al. **Rev Ig [Bacteriol]** 21(1):37–41, Jan-Mar 76 (Eng. Abstr.) **(Rum)**

[Biochemical identification of mutations in ade 2 gene of yeast Saccharomyces cerevisiae] Janulaitis AA, et al. **Biokhimiia** 40(3):588–91, May-Jun 75 (Eng. Abstr.) **(Rus)**

[The use of carboxyaminoimidazole ribotide in the determination of phosphoribosyl aminoimidazole carboxylase from Saccharomyces cerevisiae] Nikolaeva ZK, et al. **Biokhimiia** 40(4):751–4, Jul-Aug 75 **(Rus)**

[Inactivation of yeast inorganic pyrophosphatase by sodium dodecyl sulfate and cetyltrimethyl ammonium bromide] Shafranskiĭ IuA, et al. **Biokhimiia** 40(4):683–93, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Genetic-biochemical study of acid phosphatases from Saccharomyces cerevisiae yeasts. IV. Genetic control of acid phosphatase II activity] Kozhin SA, et al. **Genetika** 11(7):104–12, 1975 (Eng. Abstr.) **(Rus)**

[Genetico-biochemical study of acid phosphatases in Saccharomyces cerevisiae yeast. V. Genetic control of regulation of acid phosphatase II synthesis] Samsonova MG, et al. **Genetika** 11(9):104–15, 1975 (Eng. Abstr.) **(Rus)**

[Effect of cultivation conditions on the electrophoretic spectrum of various dehydrogenases in Saccharomyces cerevisiae] Popova MV, et al. **Mikrobiologiia** 44(6):1005–9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Lactose hydrolysis by yeast beta-galactosidase] Feniksova RV, et al. **Prikl Biokhim Mikrobiol** 11(3):382–5, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Isolation and basic properties of thiamine pyrophosphokinase from brewing yeast] Voskoboev AI, et al. **Prikl Biokhim Mikrobiol** 11(2):230–6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Experimental investigation of the bound dissipation function: change of the psi u-function during the growth of yeast. Schaarschmidt B, et al. **Arch Microbiol** 105(1):13–6, 30 Sep 75

The experimental characterization of a steady state in a continuous fermentation test. Borzani W, et al. **Biotechnol Bioeng** 18(6):885–7, Jun 76

Yield and maintenance relations of yeast growth in the chemostat at superoptimal temperatures. Van Uden N, et al. **Biotechnol Bioeng** 18(6):791–804, Jun 76

Effect of some aldoses on growth of Saccharomyces cerevisiae inhibited with molybdenum. Zemek J, et al. **Folia Microbiol (Praha)** 20(6):467–9, 1975

Inhibition of growth by amber suppressors in yeast. Liebman SW, et al. **Genetics** 82(2):233–49, Feb 76

Yeast sterol esters and their relationship to the growth of yeast. Bailey RB, et al. **J Bacteriol** 124(2):606–12, Nov 75

Simple and sensitive procedure for screening yeast mutants that lyse at nonpermissive temperatures. Cabib E, et al. **J Bacteriol** 124(3):1604–6, Dec 75

Induction of petite mutations during germination and outgrowth of Saccharomyces cerevisiae ascospores. Redshaw RA. **J Bacteriol** 124(3):1411–6, Dec 75

Sporulation in D-glucosamine auxotrophs of Saccharomyces cerevisiae: meiosis with defective ascospore wall formation. Whelan WL, et al. **J Bacteriol** 124(3):1545–57, Dec 75

A highly ordered ring of membrane-associated filaments in budding yeast. Byers B, et al. **J Cell Biol** 69(3):717–21, Jun 76

Isolation and characterization of mutants of Saccharomyces cerevisiae able to grow after inhibition of dTMP synthesis. Brendel M, et al. **Methods Cell Biol** 11:287–94, 1975 (20 ref.)

Mutants of meiosis and ascospore formation. Esposito MS, et al. **Methods Cell Biol** 11:303–26, 1975 (65 ref.)

Methods in sporulation and germination of yeasts. Haber JE, et al. **Methods Cell Biol** 11:45–69, 1975 (118 ref.)

Cell cycle analysis. Mitchison JM, et al. **Methods Cell Biol** 11:201–19, 1975 (70 ref.)

Methods for monitoring the growth of yeast cultures and for dealing with the clumping problem. Pringle JR, et al. **Methods Cell Biol** 11:131–68, 1975 (80 ref.)

The effects of 'cell age' upon the lethal effects of physical and chemical mutagens in the yeast, Saccharomyces cerevisiae. Parry JM, et al. **Mol Gen Genet** 146(1):27–35, 5 July 76

The spectral distribution of the luminescence emitted during growth of the yeast Saccharomyces cerevisiae and its relationship to mitogenetic radiation. Quickenden TI, et al. **Photochem Photobiol** 23(3):201–4, Mar 76

Microcalorimetric investigation of the metabolism of yeasts. V. Influence of ploidy on growth and metabolism. Lamprecht I, et al. **Radiat Environ Biophys** 13(1):57–61, 30 Mar 76

[Preparation of synchronously growing and multiplying yeast cells (Saccharomyces cerecisiae) (author's transl)] Braun R, et al. **Z Naturforsch [C]** 30(2):245–7, Mar-Apr 75 **(Ger)**

IMMUNOLOGY

Asymmetric distribution of concanavalin A binding sites on yeast plasmalemma and vacuolar membrane. Boller T, et al. **Arch Microbiol** 109(1–2):115–8, Aug 76

Anaphylactoid responses of two types of genetically different rats to horse serum and yeast. Cooper CA, et al. **Int Arch Allergy Appl Immunol** 50(6):751–4, 1976

[Study of morphological mutants of 'Saccharomyces Cerevisiae' Hansen, by immunofluorescence (author's transl)] Bizeau C, et al. **Ann Microbiol (Paris)** 126(3):287–98, Oct-Nov 75 (Eng. Abstr.) **(Fre)**

[Evolution of antigenic determinants of various strains of Saccharomyces cerevisiae Hansen during growth] Bastide M, et al. **C R Acad Sci [D] (Paris)** 279(13):1135–8, 23 Sep 74 **(Fre)**

[Immunofluorescent study of morphologic mutants of Saccharomyces cerevisiae Hansen] Bizeau C, et al. **C R Acad Sci [D] (Paris)** 279(25):1955–8, 16 Dec 74 **(Fre)**

ISOLATION & PURIFICATION

Selection of spontaneous mutants by inositol starvation in yeast. Henry SA, et al. **Mol Gen Genet** 143(1):5–11, 30 Dec 75

Haemoprotein formation in yeast. II. Isolation of catalase regulatory mutants. Rytka J, et al. **Mol Gen Genet** 145(1):37–42, 23 Apr 76

Development of host-mediated mutagenicity tests-yeast systems. II. Recovery of yeast cells out of testes, liver, lung, and peritoneum of rats. Fahrig R. **Mutat Res** 31(6):381–94, Dec 75

[Alterations caused by yeasts in vegetable flavoured soft drinks: effects of the manufacturing water (author's transl)] Turtura GC, et al. **Riv Sci Tecn Nutr Um** 5(3):183–7, May-Jun 75 (Eng. Abstr.) **(Ita)**

METABOLISM

Restoration of cytochrome c in pet46 mutant of Saccharomyces cerevisiae by Mod3 gene. Bień M, et al. **Acta Microbiol Pol [A]** 8(1):27–34, 1976

Regulation of transcription in yeast. Saunders C, et al. **Adv Exp Med Biol** 62:21–34, 1975

Storage carbohydrates during starvation of yeast. Panek AD. **An Acad Bras Cienc** 46(2):329–32, Jun 74

Nystatin-induced potassium efflux from Saccharomyces cerevisiae measured by flame photometry: a potential bioassay approach. Clements-Jewery S. **Antimicrob Agents Chemother** 9(4):585–6, Apr 76

Rifampin susceptibility of ribonucleic acid synthesis in a fragile Saccharomyces cerevisiae mutant. Venkov PV, et al. **Antimicrob Agents Chemother** 8(6):627–32, Dec 75

Mechanism of benzoic acid uptake by Saccharomyces cerevisiae. Macris BJ. **Appl Microbiol** 30(4):503–6, Oct 75

Ziram, a sulfhydryl reagent and specific inhibitor of yeast mitochondrial dehydrogenases. Briquet M, et al. **Arch Biochem Biophys** 174(2):684–94, Jun 75

DNA-binding proteins in yeast. Effect of growth phase and mitochondrial function. Finkelstein DB, et al. **Arch Biochem Biophys** 174(1):52–65, May 76

The biogenesis of a cytochrome b complex in yeast mitochondria. Sites of translation of the protein components. Marjanen LA, et al. **Arch Biochem Biophys** 172(2):679–84, Feb 76

Biogenesis of mitochondria. The effects of membrane unsaturated fatty acid content on the activity and assembly of the yeast mitochondrial protein-synthesizing system. Marzuki S, et al. **Arch Biochem Biophys** 169(2):591–600, Aug 75

Biogenesis of mitochondria. The effects of altered steady-state membrane lipid composition on mitochondrial-energy metabolism in Saccharomyces cerevisiae. Marzuki S, et al. **Arch Biochem Biophys** 169(2):577–90, Aug 75

Characterization of elongation factor 1 from yeast. Spremulli LL, et al. **Arch Biochem Biophys** 172(1):261–9, Jan 76

Proceedings: Diuron and related herbicides, inhibitors of the oxidation of mitochondrial cytochrome b in Saccharomyces cerevisiae. Convent B, et al. **Arch Int Physiol Biochim** 83(2):358–9, May 75

Free tryptophan pool and tryptophan biosynthetic enzymes in Saccharomyces cerevisiae. Fantes PA, et al. **Arch Microbiol** 107(2):207–14, 19 Mar 76

Biosynthesis of sulphur amino acids in Saccharomyces cerevisiae II. Analysis of suplhite-producing strains. Romano P, et al. **Arch Microbiol** 108(2):211–5, Jun 76

On the mechanism of petite genesis in yeast. IV. Biochemical characterization of a conditional cytoplasmic mutant producing petites at restrictive temperature. Bandlow W, et al. **Biochem Biophys Res Commun** 67(3):1078–85, 1 Dec 75

Effects of netropsin on yeast mitochondria. Criddle RS, et al. **Biochem Biophys Res Commun** 70(3):688–95, 7 Jun 76

Evidence for three glutamic acid transporting systems with specialized physiological functions in Saccharomyces cerevisiae. Darte C, et al. **Biochem Biophys Res Commun** 67(3):1028–33, 1 Dec 75

Modulation of petite induction by low concentrations of ethidium bromide. de Nobrega R, et al. **Biochem Biophys Res Commun** 69(2):528–37, 22 Mar 76

Mapping of the mitochondrial 16S ribosomal RNA gene and its expression in the cytoplasmic petite mutants of Saccharomyces cerevisiae. Faye G, et al. **Biochem Biophys Res Commun** 68(2):476–82, 26 Jan 76

Bypass by photoaffinity labeling of blocked metabolic activation of ethidium: confirmation of the role for covalent ethidium attachment in mitochondrial mutagenesis. Hixon SC, et al. **Biochem Biophys Res Commun** 66(1):31–5, 2 Sep 75

Sterol replacement in saccharomyces cerevisiae. Effect on cellular permeability and sensitivity to nystatin. Karst F, et al. **Biochem Biophys Res Commun** 71(2):535–43, 26 Jul 76

Effects of temperature on nucleo–mitochondrial interactions in the yeast Saccharomyces cerevisiae. Marmiroli N, et al. **Biochem Biophys Res Commun** 70(2):589–94, 17 May 76

Evidence for the gamma-glutamyl cycle in yeast. Mooz ED, et al. **Biochem Biophys Res Commun** 68(4):1066–72, 23 Feb 76

CYP3 a likely candidate for the structural gene of ISO–2 cytochrome C in Saccaromyces cerevisiae. Verdiere J, et al. **Biochem Biophys Res Commun** 67(4):1451–8, 15 Dec 75

Identification of alpha and beta tubulin in yeast. Water RD, et al. **Biochem Biophys Res Commun** 70(3):704–8, 7 Jun 76

Messenger activity of ribonucleic acid form yeast mitochondria. Eggitt MJ, et al. **Biochem J** 149(3):507–12, Sep 75

The effect of chlorhexidine on the anaerobic fermentation of Saccharomyces cerevisiae. Jensen JE. **Biochem Pharmacol** 24(23):2163–6, 1 Dec 75

The role of unsaturated fatty acids in mitochondrial membrane functions. Haslam JM, et al. **Biochem Soc Trans** 3(5):772–5, 1975

Control of ribonucleic acid synthesis in eukaryotes. 3. The effect of cycloheximide and edeine on rna synthesis in yeast. Gross KJ, et al. **Biochemistry** 15(10):2082–6, 18 May 76

Substitution of cellular fatty acids in yeast cells by the antibiotic cerulenin and exogenous fatty acids. Awaya J, et al. **Biochim Biophys Acta** 409(3):267–73, 17 Dec 75

Exchange of phospholipids between mitochondria and microsomes in vitro stimulated by yeast cell cytosol. Cobon GS, et al. **Biochim Biophys Acta** 441(2):255–9, 23 Aug 76

Biosynthesis of yeast mannan. Independent formation of two carbohydrate moieties in the mannoprotein molecule. Farkaš V, et al. **Biochim Biophys Acta** 428(3):583–90, 28 May 76

Sugar transport and potassium permeability in yeast plasma membrane vesicles. Fuhrmann GF, et al. **Biochim Biophys Acta** 433(3):583–96, 21 May 76

Effect of tetraphenylboron upon the uptake of the lipophilic cation dibenzyldimethylammonium by yeast cells Hoeberichts JA, et al. **Biochim Biophys Acta** 413(2):248–51, 1 Dec 75

Inhibition of thiamine transport in anaerobic baker's yeast by iodoacetate, 2,4–dinitrophenol N,N'–dicyclohexylcarbodiimide and fatty acids. Iwashima A, et al. **Biochim Biophys Acta** 399(2):375–83, 13 Aug 75

Thiamine transport mutants of Saccharomyces cerevisiae. Iwashima A, et al. **Biochim Biophys Acta** 413(2):243–7, 1 Dec 75

Wall mannan of Saccharomyces cerevisiae. Metabolic stability and release into growth medium. Krátký Z, et al. **Biochim Biophys Acta** 404(1):1–6, 8 Sep 75

Formation of lipid–bound oligosaccharides in yeast. Lehle L, et al. **Biochim Biophys Acta** 399(2):364–74, 13 Aug 75

Isolation and characterization of the liponucleotides of Saccharomyces cerevisiae. Schneider EG, et al. **Biochim Biophys Acta** 441(2):294–301, 23 Aug 76

Kinetics of ion translocation across charged membranes mediated by a two–site transport mechanism. Effects of polyvalent cations upon rubidium uptake into yeast cells. Theuvenet AP, et al. **Biochim Biophys Acta** 426(4):745–56, 5 Apr 76

Studies on protoporphyrin biosynthetic pathway in Saccharomyces cerevisiae ; characterization of the tetrapyrrole intermediates. Brouillet N, et al. **Biochimie** 57(5):647–55, 1975

Rearrangement of mitochondrial DNA molecules during the differentiation of mitochondria in yeast. II. – Labelling studies of the precursor product relationship. Guérineau M, et al. **Biochimie** 57(8):931–42, 1975

Rearrangement of mitochondrial DNA molecules during the differentiation of mitochondria in yeast. I.–Electron microscopic studies of size and shape. Guérineau M, et al. **Biochimie** 57(8):917–29, 1975

Coding origin of isoaccepting tRNA in yeast mitochondria. Schneller JM, et al. **Biochimie** 57(9):1051–7, 1975

Changes in the restriction of molecular rotational diffusion of water–soluble spin labels during fatty acid starvation of yeast. Henry SA, et al. **Biophys J** 16(6):641–53, Jun 76

Cellulase and protein production from mixed cultures of Trichoderma viride and a yeast. Peitersen N. **Biotechnol Bioeng** 17(9):1291–9, Sep 75

The response of a bioelectrochemical cell with Saccharomyces cerevisiae metabolizing glucose under various fermentation conditions. Videla HA, et al. **Biotechnol Bioeng** 17(10):1529–43, Oct 75

Assembly of complex III into newly developing mitochondrial membranes. Aithal HN, et al. **Can J Biochem** 53(12):1278–81, Dec 75

The induced biosynthesis of 7–dehydrocholesterols in yeast: potential sources of new provitamin D3 analogs. Avruch L, et al. **Can J Biochem** 54(7):657–65, Jul 76

Nuclear demethylation and C–24 alkylation during ergosterol biosynthesis in Saccharomyces cerevisiae. Fryberg M, et al. **Can J Biochem** 53(8):881–9, Aug 75

Quantitative effects of unsaturated fatty acids in microbial mutants. IV. Lipid composition of Saccharomyces cerevisiae when growth is limited by unsaturated fatty acid supply. Holub BJ, et al. **Can J Biochem** 53(12):1262–77, Dec 75

Quantitative effects of unsaturated fatty acids in microbial mutants. VI. Selective growth responses of yeast and bacteria to cis–octadecenoate isomers. Ohlrogge JB, et al. **Can J Biochem** 54(8):736–45, Aug 76

Action of 'colonie lisse' mutation on cell morphology of Saccharomyces cerevisiae. Bizeau C, et al. **Can J Genet Cytol** 17(3):395–9, Sep 75

Regulation of acetyl–CoA synthetase of Saccharomyces cerevisiae. Coleman JS, et al. **Can J Microbiol** 22(5):762–4, May 76

Characterization of a temperature–sensitive mutant of Saccharomyces cerevisiae that undergoes uncontrolled protein synthesis. Gentile JM, et al. **Can J Microbiol** 22(6):873–83, Jun 76

Mitochondrial DNA synthesis in cell cycle mutants of Saccharomyces cerevisiae. Newlon CS, et al. **Cell** 5(4):423–8, Aug 75

Biogenesis of polysomes and transport of messenger RNA in yeast. Brañes L, et al. **Eur J Biochem** 54(2):317–28, Jun 75

Specific inhibition of translocation by tubulosine in eukaryotic polysomes. Carrasco L, et al. **Eur J Biochem** 64(1):1–5, 15 Apr 76

The regulation of arginine biosynthesis in Saccharomyces cerevisiae. The specificity of argR– mutations and the general control of amino–acid biosynthesis. Delforge J, et al. **Eur J Biochem** 57(1):231–9, 1 Sep 75

Quantitative binding of antibiotics to ribosomes from a yeast mutant altered on the peptidyl–transferase center. Jimenez A, et al. **Eur J Biochem** 54(2):483–92, Jun 75

Mechanism of 2–deoxy–D–glucose inhibition of cell–wall polysaccharide and glycoprotein biosyntheses in Saccharomyces cerevisiae. Krátký Z, et al. **Eur J Biochem** 54(2):459–67, Jun 75

Isolation and properties of a thymidylate–less mutant in Saccharomyces cerevisiae. Luzzati M. **Eur J Biochem** 56(2):533–8, 15 Aug 75

Biosynthesis of sterols by a yeast homogenate. Incorporation of mevalonic acid into cholesta–5,7,24–trien–3beta–ol and 5alpha–cholesta–7,24–dien–3beta–ol. Moreau JP, et al. **Eur J Biochem** 56(2):393–402, 15 Aug 75

Isolation and properties of an arginine–binding protein from Saccharomyces cerevisiae. Opekarová M, et al. **Eur J Biochem** 59(2):373–6, 15 Nov 75

The transport of S–adenosyl–L–methionine in isolated yeast vacuoles and spheroplasts. Schwencke J, et al. **Eur J Biochem** 65(1):49–60, 17 May 76

Synthesis of mitochondrial proteins in an Escherichia coli cell–free system directed by yeast mitochondrial DNA. Scragg AH, et al. **Eur J Biochem** 56(1):183–92, 1 Aug 75

Binding studies of NADPH to NADP–specific L–glutamate dehydrogenase from Saccharomyces cerevisiae. Venard R, et al. **Eur J Biochem** 57(2):371–8, 15 Sep 75

Degradation of total cell protein at different stages of Saccharomyces cerevisiae yeast growth. Bakalkin GY, et al. **FEBS Lett** 63(1):218–21, 15 Mar 76

Biosynthesis of beta–glucans catalyzed by a particulate enzyme preparation from yeast. Bálint S, et al. **FEBS Lett** 64(1):44–7, 15 Apr 76

The use of a homologous series of affinity labeling reagents in the study of the biotin transport system in yeast cells. Bayer EA, et al. **FEBS Lett** 60(2):309–12, 15 Dec 75

Protein synthesis in an E. coli system directed by yeast mitochondrial RNA. Eggitt MJ. **FEBS Lett** 61(1):6–9, 01 Jan 76

Yeast phenylalanyl–tRNA synthetase: evidence for the triggering of an AMP—ATP exchange by tRNA. Remy P, et al. **FEBS Lett** 61(1):28–31, 01 Jan 76

Biosynthesis of catalase T during oxygen adaptation of Saccharomyces cerevisiae. Zimniak P, et al. **FEBS Lett** 59(2):300–4, 15 Nov 75

Transport of acyclic polyols in Saccharomyces cerevisiae. Canh DS, et al. **Folia Microbiol (Praha)** 20(4):320–5, 1975

Loss of inducible D–galactose transport by baker's yeast after osmotic treatment. Horák J, et al. **Folia Microbiol (Praha)** 21(2):125–30, 1976

Transport of 4–deoxy– and 6–deoxy–D–glucose in baker's yeast. Kotyk A, et al. **Folia Microbiol (Praha)** 20(6):496–503, 1975

Free and bound magnesium in fungi and yeasts. Okorokov LA, et al. **Folia Microbiol (Praha)** 20(6):460–6, 1975

Mitochondrial factors in the utilization of sugars in Saccharomyces cerevisiae. Evans IH, et al. **Genet Res** 27(1):89–93, Feb 76

Manganese mutagenesis in yeast. II. Conditions of induction and characteristics of mitochondrial respiratory deficient Saccharomyces cerevisiae mutants induced with manganese and cobalt. Prazmo W, et al. **Genet Res** 26(1):21–9, Aug 75

Effects of glucose repression of the transmission and recombination of mitochondrial genes in yeast (Saccharomyces cerevisiae). Birky CW Jr. **Genetics** 80(4):695–709, Aug 75

Regulation of mating and meiosis in yeast by the mating–type region. Kassir Y, et al. **Genetics** 82(2):187–206, Feb 76

Isolation and characterization of amber suppressors in yeast. Liebman SW, et al. **Genetics** 82(2):251–72, Feb 76

Mutants of the killer plasmid of Saccharomyces cerevisiae dependent on chromosomal diploidy for expression and maintenance. Wickner RB. **Genetics** 82(2):273–85, Feb 76

Two chromosomal genes required for killing expression in killer strains of Saccharomyces cerevisiae. Wickner RB, et al. **Genetics** 82(3):429–42, 25 Mar 76

The genetic control of DS–RNA virus–like particles associated with Saccharomyces cerevisiae killer yeast. Mitchell DJ, et al. **Heredity (Lond)** 37(1):129–34, Aug 76

Cytoplasmic petite mutants in yeast: a model for the study of reiterated genetic sequences. pp. 136–181. Perlman PS. **In: Birky CW Jr, et al., ed. Genetics and biogenesis of mitochondria and chloroplasts. Columbus, Ohio State Univ Press, 1975. W3 BI563 1974g.** (104 ref.)

tRNA and aminoacyl–tRNA synthetases from wild–type and petite yeast mitochondria. pp. 41–6. Baldacci G, et al. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

An analysis of the mitochondrial genome of yeast with restriction enzymes. pp. 85–90. Bernardi G, et al. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Cellular effects of mitochondrial inhibition by acriflavine in Saccharomyces cerevisiae. pp. 179–82. Evans IH, et al. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Double stranded RNA containing particles from the yeast Saccharomyces cerevisiae and their relationship to the 'killer' character. pp. 149–54. Herring AJ, et al. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Polysomes associated with yeast mitochondria: evidence for a cell–sap origin. pp. 61–7. Moorman AF, et al. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Extensive recombination of yeast mitochondrial DNA during vegetative growth as revealed by density labelling. pp. 95–100. Williamson DH. **In: Puiseux–Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.**

Cell cycle and mitochondrial cycle. pp. 3–16. Jayaraman J, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

Mode of yeast inhibition by A–435 antibiotic. Chandra AL, et al. **Indian J Exp Biol** 13(4):410–1, Jul 75

Proceedings: Sequence complexity of polyadenylic acid–containing mRNA sequences from Saccharomyces cerevisiae. Shalitin C. **Isr J Med Sci** 11(11):1202, Nov 75

Timing and function of chitin synthesis in yeast. Cabib E, et al. **J Bacteriol** 124(3):1586–93, Dec 75

Ribonucleic acid synthesized in meiotic cells of Saccharomyces cerevisiae: effect of culture medium pH. Curiale MS, et al. **J Bacteriol** 126(2):661–7, May 76

Utilization of D–asparagine by Saccharomyces cerevisiae. Dunlop PC, et al. **J Bacteriol** 125(3):999–1004, Mar 76

Turnover of polyadenylate–containing ribonucleic acid in Saccharomyces cerevisiae. Hynes NE, et al. **J Bacteriol** 125(2):595–600, Feb 76

Bromodeoxyuridine 5'–monophosphate incorporation into yeast nuclear and mitochondrial deoxyribonucleic acid. Leff J, et al. **J Bacteriol** 127(1):354–61, Jul 76

Regulation of lysine transport by feedback inhibition in Saccharomyces cerevisiae. Morrison CE, et al. **J Bacteriol** 125(3):864–71, Mar 76

Gene dosage effects in polyploid strains of Saccharomyces cerevisiae containing gua–1 wild–type and mutant alleles.

Reichert U, et al. **J Bacteriol** 124(3):1041–5, Dec 75

Inhibition of amino acid transport by ammonium ion in Saccharomyces cerevisiae. Roon RJ, et al. **J Bacteriol** 124(1):325–31, Oct 75

Site of initial glycosylation of mannoproteins from Saccharomyces cerevisiae. Ruiz-Herrera J, et al. **J Bacteriol** 124(1):127–33, Oct 75

Urea transport-defective strains of Saccharomyces cerevisiae. Sumrada R, et al. **J Bacteriol** 125(3):1048–56, Mar 76

Kinetics of labeling of the S-adenosylmethionine pool of Saccharomyces cerevisiae. Warner JR, et al. **J Bacteriol** 125(3):887–91, Mar 76

Influence of pH on the rate of ribosomal ribonucleic acid synthesis during sporulation in Saccharomyces cerevisiae. Wejksnora P, et al. **J Bacteriol** 127(1):128–34, Jul 76

Development of mitochondrial membranes in anaerobically grown yeast cells. Nagata I, et al. **J Biochem (Tokyo)** 78(6):1353–64, Dec 75

Effect of temperature on ergosterol biosynthesis in yeast. Shimizu I, et al. **J Biochem (Tokyo)** 77(5):1023–7, May 75

Genetic analysis of mitochondrial biogenesis and function in Saccharomyces cerevisiae. Michaelis G, et al. **J Bioenerg** 8(2):93–107, Apr 76

Use of diazido ethidium bromide as a specific probe for mitochondrial functions. Bastos RN. **J Biol Chem** 250(19):7739–46, 10 Oct 75

Transport of riboflavin into yeast cells. Perl M, et al. **J Biol Chem** 251(11):3221–8, 10 Jun 76

Cytochrome c1 of bakers' yeast. I. Isolation and properties. Ross E, et al. **J Biol Chem** 241(7):1991–6, 10 Apr 76

Cytochrome c1 of bakers' yeast. II. Synthesis on cytoplasmic robosomes and influence of oxygen and heme on accumulation of the apoprotein. Ross E, et al. **J Biol Chem** 241(7):1997–2004, 10 Apr 76

Methylated, blocked 5' termini of yeast mRNA. Sripati CE, et al. **J Biol Chem** 251(10):2898–904, 25 May 76

Effectiveness of various unsaturated fatty acids in supporting growth and respiration in Saccharomyces cerevisiae. Walenga RW, et al. **J Biol Chem** 250(23):9121–9, 10 Dec 75

Requirements for unsaturated fatty acids for the induction on respiration in Saccharomyces cerevisiae. Walenga RW, et al. **J Biol Chem** 250(23):9130–6, 10 Dec 75

Regulation of mitochondrial biogenesis: enzymatic changes in cytochrome-deficient yeast mutants requiring delta-aminolevulinic acid. Woods RA, et al. **J Biol Chem** 250(23):9090–8, 10 Dec 75

The ribosomal proteins of Saccharomyces cerevisiae. Phosphorylated and exchangeable proteins. Zinker S, et al. **J Biol Chem** 251(6):1799–807, 25 Mar 76

The identification of hexa-, hepta- and octoglutamates as the polyglutamyl forms of folate found throughout the growth cycle of yeast. Bassett R, et al. **J Gen Microbiol** 93(1):169–72, Mar 76

Synthesis of yeast wall glucan. Sentandreu R, et al. **J Gen Microbiol** 90(1):13–20, Sep 75

Interaction of ethidium bromide with the transport system for monovalent cations in yeast. Pena A, et al. **J Membr Biol** 22(3–4):369–84, 24 Jul 75

Substitution of serine caused by a recessive lethal suppressor in yeast. Brandriss MC, et al. **J Mol Biol** 102(3):467–76, 15 Apr 76

Localization of the gene coding for the mitochondrial 16 S ribosomal RNA using rho– mutants of Saccharomyces cerevisiae. Faye G, et al. **J Mol Biol** 99(1):203–17, 25 Nov 75

Synthesis of polyadenylated messenger RNA during the cell cycle of Saccharomyces cerevisiae. Fraser RS, et al. **J Mol Biol** 104(1):223–42, 14 Jun 76

Sequential function of gene products relative to DNA synthesis in the yeast cell cycle. Hartwell LH. **J Mol Biol** 104(4):803–17, 15 Jul 76

Isoaccepting mitochondrial glutamyl-tRNA species transcribed from different regions of the mitochondrial genome of Saccharomyces cerevisiae. Martin N, et al. **J Mol Biol** 101(3):285–96, 5 Mar 76

Biogenesis of mitochondria. XLI. Physical mapping of mitochondrial genetic markers in yeast. Sriprakash KS, et al. **J Mol Biol** 104(2):485–503, 25 Jun 76

Integration of amino acid biosynthesis into the cell cycle of Saccharomyces cerevisiae. Wolfner M, et al. **J Mol Biol** 96(2):273–90, 5 Aug 75

The kinetics of codon-anticodon interaction in yeast phenylalanine transfer RNA. Yoon K, et al. **J Mol Biol** 99(4):507–18, 25 Dec 75

Isolation of regulatory mutants in Saccharomyces cerevisiae. Greer H, et al. **Methods Cell Biol** 11:247–72, 1975 (39 ref.)

Methods for selecting auxotrophic and temperature-sensitive mutants in yeasts. Littlewood BS. **Methods Cell Biol** 11:273–85, 1975 (44 ref.)

Inhibitors of macromolecular synthesis in yeast. Schindler D, et al. **Methods Cell Biol** 12:17–38, 1975 (182 ref.)

Mutants of Saccharomyces cerevisiae that incorporate deoxythymidine 5'-monophosphate into DNA in vivo. Wickner RB. **Methods Cell Biol** 11:295–302, 1975 (22 ref.)

In vivo and in vitro synthesis of yeast mitochondrial DNA. Zeman LJ, et al. **Methods Cell Biol** 12:273–83, 1975

Evidence for a functional association of DNA synthesis with the membrane in mitochondria of Saccharomyces cerevisiae. Hall RM, et al. **Mol Biol Rep** 2(2):101–6, Jul 75

A yeast mutant defective in the processing of 27S r-RNA precursor. Andrew C, et al. **Mol Gen Genet** 144(1):29–37, 27 Feb 76

The mating reaction in yeast. II. Spontaneous occurrence of omni-mating types. Balmire J. **Mol Gen Genet** 141(2):185–8, 24 Nov 75

Mitochondrial DNA in yeast recombination and subsequent modification following mating between a Grande and a suppressive Petite. Blamire J, et al. **Mol Gen Genet** 143(3):253–9, 2 Feb 76

Citrate synthaseless glutamic acid auxotroph of Saccharomyces cerevisiae. Burand JP, et al. **Mol Gen Genet** 139(4):303–9, 8 Sep 75

Studies on a temperature sensitive nuclear petite mutant of Saccharomyces cerevisiae: phenotypic reversibility of the mitochondrial functions. Guerrini AM, et al. **Mol Gen Genet** 140(2):149–58, 29 Sep 75

Macromolecule synthesis in a mutant of Saccharomyces cerevisiae inhibited by S-adenosyimethionine. Lipinski C, et al. **Mol Gen Genet** 144(3):301–6, 30 Mar 76

Alterations in mitochondrial DNA of yeast which accompany genetically and environmentally controlled changes in rho– mutability. Lusena CV, et al. **Mol Gen Genet** 144(2):119–25, 22 Mar 76

Methionine biosynthesis in Saccharomyces cerevisiae. I. Genetical analysis of auxotrophic mutants. Masselot M, et al. **Mol Gen Genet** 139(2):121–32, 5 Aug 75

Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in yeast by ethidium bromide and berenil. Nagley P, et al. **Mol Gen Genet** 141(4):291–304, 9 Dec 75

Recombination and hydroxyurea inhibition of DNA synthesis in yeast meiosis. Simchen G, et al. **Mol Gen Genet** 144(1):21–7, 27 Feb 76

Biogenesis of mitochondria 36, The genetic and biochemical analysis of a mitochondrially determined cold sensitive oligomycin resistant mutant of Saccharomyces cerevisiae with affected mitochondrial ATPase assembly. Trembath MK, et al. **Mol Gen Genet** 141(1):9–22, 3 Nov 75

Use of snail enzyme for the selection of glucose-and mannose-negative mutants in Saccharomyces cerevisiae. Herrera LS. **Mutat Res** 34(1):123–30, Jan 76

The non-mutagenicity and -recombinogenicity of vinyl chloride in the absence of metabolic activation. Shahin M. **Mutat Res** 40(3):269–72, Jul 76

Half life of yeast messenger RNA. Petersen NS, et al. **Nature** 260(5546):70–2, 4 Mar 76

Effect of excision of the Y-base on the interaction of tRNAPhe (yeast) with phenylalanyl-tRNA synthetase (yeast). Krauss G, et al. **Nucleic Acids Res** 3(3):631–9, Mar 76

Role of modified nucleosides in tRNA: effect of modification of the 2-thiouridine derivative located at the 5'-end of the anticodon of yeast transfer RNA Lys2. Sen GC, et al. **Nucleic Acids Res** 3(3):523–35, Mar 76

Coordinate regulation of the synthesis of eukaryotic ribosomal proteins. Gorenstein C, et al. **Proc Natl Acad Sci USA** 73(5):1547–51, May 76

Functional genetic expression of eukaryotic DNA in Escherichia coli. Struhl K, et al. **Proc Natl Acad Sci USA** 73(5):1471–5, May 76

Studies on the energy metabolism during the respiratory process by baker's yeast. Hoogerheide JC. **Radiat Environ Biophys** 12(4):281–90, 4 Dec 75

An improved assay of UV-induced thymine-containing dimers in Saccharomyces cerevisiae. Fäth WW, et al. **Z Naturforsch [C]** 30(6):804–10, Nov–Dec 75

Isolation and properties of yeast mutants with highly efficient thymidylate utilization. Fäth WW, et al. **Z Naturforsch [C]** 31(7–8):468–78, Jul–Aug 76

[Proceedings: Nucleo-cytoplasmic interactions in oligomycin resistant mutant strains of Saccharomyces cerevisiae] Colson AM, et al. **Arch Int Physiol Biochim** 83(2):356–7, May 75 **(Fre)**

[Three transport permeases of glutamic acid in Saccharomyces cerevisiae: specificity and regulation] Darte C, et al. **Arch Int Physiol Biochim** 83(5):952–3, Dec 75 **(Fre)**

[Permeability of yeast mitochondrial internal membrane: structure-activity relationship] Chateaubodeau GA, et al. **Biochimie** 58(5):601–10, 1976 (Eng. Abstr.) **(Fre)**

[Network of interactions between unlinked genes: synergistic and antagonistic regulation of iso-1-cytochrome c, iso-2-cytochrome c and cytochrome b2 synthesis] Clavilier L, et al. **Biochimie** 58(1–2):155–72, 1976 (Eng. Abstr.) **(Fre)**

[Biosynthesis of long chain fatty acids and alkanes in Saccharomyces cerevisiae] Blanchardie P, et al. **C R Acad Sci [D] (Paris)** 282(2):227–30, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Effect of acetaldehyde upon the oxidative degradation of glucose by baker's yeast] Iscaki M, et al. **C R Acad Sci [D] (Paris)** 280(3):315–7, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Evolution of cytoplasmic tRNAphe in a haploid strain of Saccharomyces cerevisiae] Seigle-Murandi F, et al. **C R Acad Sci [D] (Paris)** 280(13):1559–62, 7 Apr 75 (Eng. Abstr.) **(Fre)**

[Mitochondrial genetic functions in Saccharomyces cerevisiae] pp. 75–9. Dujon B. **In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.** (33 ref.) **(Fre)**

[The tryptophan 2-locus of Saccharomyces cerevisiae (author's transl)] Landolt-Sydler M. **Arch Genet (Zur)** 47(2):65–85, 1974 (Eng. Abstr.) **(Ger)**

[The biosynthesis of aroma compounds by microorganisms. I. Formation of N-acetyl-amines by saccharomyces cerevisiae] Schreier P, et al. **Z Lebensm Unters Forsch** 158(6):351–60, 27 Oct 75 (Eng. Abstr.) **(Ger)**

[Size comparison of poly (A)-RNA from polysomes and from nuclei of the yeast Saccharomyces cerevisiae (author's transl)] Angermann K, et al. **Z Naturforsch [C]** 31(1–2):85–90, Jan–Feb 76 **(Ger)**

[Distribution of [3H] thiopyronine in yeast cells (Saccharomyces cerevisiae)] Lochmann ER, et al. **Z Naturforsch [C]** 31(7–8):481–3, Jul–Aug 76 (Eng. Abstr.) **(Ger)**

[The formation of higher alcohols by amino acid auxotrophic mutants of Saccharomyces cerevisiae. III. Higher alcohols as byproducts of the biosynthesis of amino acids tauthor's transl)] Vollbrecht D, et al. **Zentralbl Bakteriol [Naturwiss]** 130(3):238–44, 1975 (Eng. Abstr.) **(Ger)**

[Effect of orthophosphate concentration in the medium on the content of phosphate fractions in mature Saccharomyces cerevisiae yeasts] Modrzejewska H, et al. **Med Dosw Mikrobiol** 28(1):83–9, 1976 (Eng. Abstr.) **(Pol)**

[Incorporation of low molecular SH-containing compounds in nitrosyl complexes of nonheme iron in cell-free and cell preparations] Vanin AF, et al. **Biofizika** 20(6):1068–72, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Saccharomyces cerevisiae mutants utilizing n-alkanes. I. Isolation and characteristics of the mutants] Soom JO. **Genetika** 9(12):95–101, Dec 73 (Eng. Abstr.) **(Rus)**

[Effect of nitrogen and phosphorus in the medium on the level of reserve carbohydrates in the cells of a dividing baker's yeast culture] Bocharova NN, et al. **Mikrobiologiia** 44(5):832–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Intravital accumulation of acriflavine in mitochondria of yeast organisms] Borodina VM, et al. **Mikrobiologiia** 44(1):103–7, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Effect of temperature and the active acidity of the medium on the metabolism of reserve carbohydrates and the survivability of baker's yeast] Chernysh VG, et al. **Prikl Biokhim Mikrobiol** 11(5):662–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Production of the methyl ether of 8,14-seco-delta,3,5,(10),9(11)-estratetraendiol-3,17beta-on using a culture of Saccharomyces cerevisiae BKMU-488] Gulaia VE, et al. **Prikl Biokhim Mikrobiol** 11(5):657–61, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Comparative action of yeast autolysate and other nitrogen sources on the development of oligonitrophilic microorganisms] Izzheurova VV, et al. **Med Educ** 38(2):145–50, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Antiviral substances from Saccharomyces cerevisiae and Sacch. carlsbergensis yeasts] Kovalenko AG, et al. **Mikrobiol Zh** 36(2):191–6, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Mating reaction in Saccharomyces cerevisiae. VII. Effect of proteolytic enzymes on sexual agglutinability and isolation of crude sex-specific substances responsible for sexual agglutination. Shimoda C, et al. **Antonie van Leeuwenhoek** 41(4):513–9, 1975

Mating reaction in Saccharomyces cerevisiae. VIII. Mating-type-specific substances responsible for sexual cell agglutination. Shimoda C, et al. **Antonie van Leeuwenhoek** 41(4):521–32, 1975

Mating reaction in Saccharomyces cerevisiae. IX. Regulation of sexual cell agglutinability of a type cells by a sex factor produced by alpha type cells. Shimoda C, et al. **Arch Microbiol** 108(1):27–33, 3 May 76

Basic amino acid inhibition of growth in Saccharomyces cerevisiae. Sumrada R, et al. **Biochem Biophys Res Commun** 68(2):598–602, 26 Jan 76

Saccharomyces cerevisiae petite mitochondrial DNA of suppressive and neutral haploids and of [rho-] diploids obtained from crossing [rho+] to a neutral petite. Robertson AJ, et al. **Can J Genet Cytol** 17(3):381–9, Sep 75

The genetic effects of elevated temperature in the yeast, Saccharomyces cerevisiae. Evans WE, et al. **Heredity (Lond)** 35(3):347–59, Dec 75

Regulatory role of proteinases and proteinase inhibitors in yeast. pp. 181–93. Holzer H. **In: Keleti T. ed. Mechanism of action and regulation of enzymes. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.32.**

Application of continuous culture in the study of mitochondrial membrane biogenesis in yeast. pp. 195–212. Linnane AW, et al. **In: Packer L, Gómez-Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.**

Inhibition of growth of microbial mutants by trans-octadecenoates. Vandenhoff G, et al. **J Biol Chem** 250(22):8720–7, 25 Nov 75

Synchronous mating in yeasts. Sena EP, et al. **Methods Cell Biol** 11:71–88, 1975 (32 ref.)

The segregation of mitochondrial genes in yeast. II. Analysis of zygote pedigrees of drug-resistant X drug-sensitive crosses. Forster JL, et al. **Mol Gen Genet** 139(4):341–55, 8 Sep 75

The segregation of mitochondrial genes in yeast. I. Analysis of zygote pedigrees of petite X grande crosses. Forster

JL, et al. **Mol Gen Genet** 139(4):329–39, 8 Sep 75
Genetic analysis of unequal transmission of the mitochondrial markers in Saccharomyces cerevisiae. Gunge N. **Mol Gen Genet** 139(3):189–202, 27 Aug 75
The restriction of the recombination of mitochondrial DNA molecules in the zygotes of Saccharomyces cerevisiae. Waxman MF. **Mol Gen Genet** 141(4):285–90, 9 Dec 75
Frequency of nonsense mutations (amber and ochre) induced by UV light in the ura3 gene in Saccharomyces cerevisiae. Gerola P, et al. **Mutat Res** 30(2):279–82, Nov 75
A kinetic analysis of spontaneous rho– mutations in yeast. James AP, et al. **Mutat Res** 30(2):199–208, Nov 75
Ethidium bromide mutagenesis in yeast: protection by anaerobiosis. Pinto M, et al. **Mutat Res** 30(2):219–28, Nov 75
Genetic activity of niridazole in yeast. Shahin MM. **Mutat Res** 30(2):191–8, Nov 75
Repair of UV-induced DNA damage and survival in yeast. I. Dimer excision. Wheatcroft R, et al. **Mutat Res** 30(2):209–18, Nov 75
Evidence for a new diffusible element of mating pheromones in yeast. Hicks JB, et al. **Nature** 260(5548):246–8, 18 Mar 76
Electron microscopic observations on the meiotic karyotype of diploid and tetraploid Saccharomyces cerevisiae. Byers B, et al. **Proc Natl Acad Sci USA** 72(12):5056–60, Dec 75
A chromosomal gene required for killer plasmid expression, mating, and spore maturation in Saccharomyces cerevisiae. Leibowitz MJ, et al. **Proc Natl Acad Sci USA** 73(6):2061–5, Jun 76
Control of cell division in Saccharomyces cerevisiae by methionyl-tRNA. Unger MW, et al. **Proc Natl Acad Sci USA** 73(5):1664–8, May 76
[Experimental increase in the osmophilic properties of yeast] Kosikov KV, et al. **Mikrobiologiia** 45(2):374–6, Mar–Apr 76 **(Rus)**
[Optimization of cultivation conditions of baker's yeast] Palagina NK, et al. **Prikl Biokhim Mikrobiol** 11(4):500–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation-sensitive mutants of yeast. Game JC. **Basic Life Sci** 5B:541–4, 1975
DNA repair and the genetic control of radiosensitivity in yeast. Haynes RH. **Basic Life Sci** 5B:529–40, 1975 (80 ref.)
X-ray-induced lethality and chromosome breakage and repair in a radiosensitive strain of yeast. Ho KS, et al. **Basic Life Sci** 5B:545–7, 1975
The effect of genes controlling radiation sensitivity on chemical mutagenesis in yeast. Prakash L. **Basic Life Sci** 5A:393–5, 1975
The repair of double-strand breaks in chromosomal DNA of yeast. Resnick MA. **Basic Life Sci** 5B:549–56, 1975
The fate of UV-induced pyrimidine dimers in the nuclear and mitochondrial DNAs of Saccharomyces cerevisiae on various postirradiation treatments and its influence on survival and cytoplasmic 'petite' induction. Waters R, et al. **Basic Life Sci** 5B:557–65, 1975
Proceedings: Interaction of actinomycin D, radiation and yeast cell survival. van Duyse E, et al. **Br J Cancer** 32(6):756, Dec 75
UV mutagenesis in radiation-sensitive strains of yeast. Lawrence CW, et al. **Genetics** 82(2):207–32, Feb 76
A biophysical model for radiation therapy. pp. 320–31. Pohlit W.
In: Krame S, et al., ed. High-energy photons and electrons: clinical applications in cancer management. New York, Wiley, 1976. QZ 269 H638 1975.
The present status of DNA repair mechanisms in UV irradiated yeast taken as a model eukaryotic system. pp. 632–50. Moustacchi E, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (80 ref.)
Letter: Dependence of radiation response of diploid yeast upon growth phase and LET. Murthy MS, et al. **Int J Radiat Biol** 29(1):85–91, Jan 76
Letter: Delayed plating recovery in diploid yeast of different sensitivities after X-ray and alpha-particle exposure. Schneider E, et al. **Int J Radiat Biol** 29(1):77–84, Jan 76
Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast irradiated with low doses of ultraviolet light. Prakash L. **J Mol Biol** 98(4):781–95, 15 Nov 75
Mutational properties of supP amber–ochre supersuppressors in Saccharomyces cerevisiae. Gerlach WL. **Mol Gen Genet** 144(2):213–5, 22 Mar 76
The repair of double-strand breaks in the nuclear DNA of Saccharomyces cerevisiae and its genetic control. Resnick MA, et al. **Mol Gen Genet** 143(2):119–29, 16 Jan 76
DNA Degradation and reduced recombination following UV irradiation during meiosis in yeast (Saccharomyces cerevisiae). Salts Y, et al. **Mol Gen Genet** 146(1):55–9, 5 July 76
UV-induced lethal sectoring and pure mutant clones in yeast. Hannan MA, et al. **Mutat Res** 36(2):171–6, Aug 76
Induction of DNA double-strand breaks by X-rays in a radiosensitive strain of the yeast Saccharomyces cerevisiae. Ho KS. **Mutat Res** 30(3):327–34, Dec 75
Two mutations which confer temperature-sensitive radiation sensitivity in the yeast Saccharomyces cerevisiae. Ho KS, et al. **Mutat Res** 33(2–3):157–64, Dec 75
The gene dosage effect of the rad52 mutation on X-ray survival curves of tetraploid yeast strains. Ho KS. **Mutat Res** 33(2–3):165–72, Dec 75
Studies on the induction of mitotic gene conversion by ultraviolet irradiation. I. Analysis of dose-frequency relationship. Ito T, et al. **Mutat Res** 30(1):33–42, Oct 75
Further in vivo studies on the participation of singlet oxygen in the photodynamic inactivation and induction of genetic changes in Saccharomyces cerevisiae. Kobayashi K, et al. **Photochem Photobiol** 23(1):21–8, Jan 76
Evidence for the dark repair of ultraviolet damage in Saccharomyces cerevisiae mitochondrial DNA. Hixon SC, et al. **Proc Soc Exp Biol Med** 150(2):503–9, Nov 75
Influence of energy metabolism on the repair of x-ray damage in living cells. IV. Effects of 2-deoxy-D-glucose on the repair phenomena during fractionated irradiation of yeast. Jain VK, et al. **Radiat Environ Biophys** 12(4):315–20, 4 Dec 75
Effect of 2-deoxy-D-glucose on the liquid-holding reactivation of yeast cells photodamaged by psoralen. Jain VK, et al. **Radiat Environ Biophys** 13(1):75–7, 30 Mar 76
Necessity of glycolysis for recovery from ultraviolet killing of Saccharomyces cerevisiae. Atsuta J, et al. **Radiat Res** 65(3):550–7, Mar 76
Relationship between sensitivity to ultraviolet light and budding in yeast cells of different culture ages. Atsuta J, et al. **Radiat Res** 65(3):558–65, Mar 76
Letter: On the repairable sublethal damage induced by 210Po alpha rays and 60Co gamma rays in diploid yeast. Murthy MS, et al. **Radiat Res** 64(2):376–9, Nov 75
Survival of synchronized diploid yeast after ultraviolet irradiation. Nunes E, et al. **Radiat Res** 63(3):474–82, Sep 75
Acid-soluble deoxynucleotides and DNA synthesis in growing yeast after x-irradiation, II. Synthesis of deoxynucleoside tri- and monophosphates in synchronized and asynchronously growing cells. Eckstein H, et al. **Z Naturforsch [C]** 29(5–6):272–82, May–Jun 74
UV-induction of thymine-containing dimers in Saccharomyces cerevisiae. Fäth WW, et al. **Z Naturforsch [C]** 30(6):811–7, Nov–Dec 75
[Ultraviolet irradiation of Saccharomyces cerevisia: variations during meiosis in survival and in the induction of the cytoplasmic 'petite' mutation] Hottinger-de Margerie H, et al. **C R Acad Sci [D] (Paris)** 280(22):2617–20, 9 Jun 75 (Eng. Abstr.) **(Fre)**
[Co60 gamma-ray sensitivity of a series of strains of Saccharomyces cerevisiae yeasts bearing different mutations. I. Radiosensitivity of haploid strains] Sokurova EN. **Genetika** 11(3):122–6, 1975 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Peptide-chain initiation activity of yeast ribosomal wash fraction. Junosza-Wolska B, et al. **Acta Biol Med Ger** 33(5–6):899–903, 1974
Breakage of yeast cells: large scale isolation of yeast mitochondria with a continuous-flow disintegrator. Deters D, et al. **Anal Biochem** 70(1):263–7, Jan 76
Physical mapping of mitochondria rRNA genes in Saccharomyces cerevisiae. Sriprakash KS, et al. **Biochem Biophys Res Commun** 69(1):85–91, 8 Mar 76
Supercooling and nucleation of ice in single cells. Rasmussen DH, et al. **Cryobiology** 12(4):328–39, Aug 75
Localization of wheat germ agglutinin receptor sites on yeast cells by scanning electron microscopy. Horisberger M, et al. **Experientia** 32(8):998–1000, 15 Aug 76
Yeast chromatin structure. Thomas JO, et al. **FEBS Lett** 66(2):274–80, 15 Jul 76
The chitin-glucan complex of Saccharomyces cerevisiae. III. Electron-microscopic study of the prebudding stage. Seichertová O, et al. **Folia Microbiol (Praha)** 20(5):371–8, 1975
Utilization of mutations in the analysis of yeast mitochondrial oxidative phosphorylation. pp. 117–35. Griffiths DE.
In: Birky CW Jr, et al., ed. Genetics and biogenesis of mitochondria and chloroplasts. Columbus, Ohio State Univ Press, 1975. W3 BI563 1974g. (38 ref.)
Mitochondrial biogenesis in fungi. pp. 66–116. Mahler HR, et al.
In: Birky CW Jr, et al., ed. Genetics and biogenesis of mitochondria and chloroplasts. Columbus, Ohio State Univ Press, 1975. W3 BI563 1974g. (150 ref.)
Behavior of spindles and spindle plaques in the cell cycle and conjugation of Saccharomyces cerevisiae. Byers B, et al. **J Bacteriol** 124(1):511–23, Oct 75
Fragility of plasma membranes in Saccharomyces cerevisiae enriched with different sterols. Hossack JA, et al. **J Bacteriol** 127(1):67–75, Jul 76
Morphogenic effects of alpha-factor on Saccharomyces cerevisiae a cells. Lipke PN, et al. **J Bacteriol** 127(1):610–8, Jul 76
Rapid nuclear staining method for Saccharomyces cerevisiae. Slater ML. **J Bacteriol** 126(3):1339–41, Jun 76
On the nature and formation of the fibrillar nets produced by protoplasts of Saccharomyces cerevisiae in liquid media: an electronmicroscopic, X-ray diffraction and chemical study. Kreger DR, et al. **J Gen Microbiol** 92(1):207–20, Jan 76
On the nature and formation of the fibrillar nets produced by protoplasts of Saccharomyces cerevisiae in liquid media: an electronmicroscopic, x-ray diffraction and chemical study. Kreger DR, et al. **J Gen Microbiol** 92(1):207–220, Jan 76
Proton magnetic resonance spectroscopy of promitochondrial membranes from yeast grown under different regimes of lipid supplementation. Austin K, et al. **J Membr Biol** 24(1):55–69, 16 Oct 75
Evaluation of 2-benzylidenecyclohexanones and 2,6-bis(benzylidene)cyclohexanones for antitumor and cytotoxic activity and as inhibitors of mitochondrial function in yeast: metabolism studies of (E)-2-benzylidenecyclohexanone. Dimmock JR, et al. **J Pharm Sci** 65(4):538–43, Apr 76
Evaluation of Mannich bases and related compounds as inhibitors of mitochondrial function in yeast and inhibition of blood platelet aggregation, blood clotting, and in vitro metabolism of 5-dimethylamino-1-phenyl-1-penten-3-one hydrochloride. Dimmock JR, et al. **J Pharm Sci** 65(4):482–8, Apr 76
Nuclear pore absence from areas of close association between nucleus and vacuole in synchronous yeast cultures. Severs NJ, et al. **J Ultrastruct Res** 54(3):374–87, Mar 76
Genetic mapping in yeast. Mortimer RK, et al. **Methods Cell Biol** 11:221–33, 1975 (65 ref.)
Isolation of vacuoles from yeasts. Wiemken A. **Methods Cell Biol** 12:99–109, 1975
In vivo and in vitro synthesis of yeast mitochondrial DNA. Zeman LJ, et al. **Methods Cell Biol** 12:273–83, 1975
Cytoplasmic inheritance in Saccharomyces cerevisiae: comparison of zygotic mitochondrial inheritance patterns. Aufderheide KJ, et al. **Mol Gen Genet** 144(3):289–99, 30 Mar 76
Biogenesis of mitochondria: molecular mapping of the mitochondrial genome of yeast. Linnane AW, et al. **Proc Natl Acad Sci USA** 73(6):2082–5, Jun 76
High resolution 31P nuclear magnetic resonance studies of intact yeast cells. Salhany JM, et al. **Proc Natl Acad Sci USA** 72(12):4966–70, Dec 75
Antimicrobial activity of alkaloids from amphibian venoms and effects on the ultrastructure of yeast cells. Preusser HJ, et al. **Toxicon** 13(4):285–9, Aug 75
[Morphogenesis of the divisional septum in Saccharomyces cerevisiae] Mattia E, et al. **Ann Sclavo** 17(2):186–7, Mar–Apr 75 **(Ita)**
[Changes in mitochondrial heterogenicity during aerobic growth of Saccharomyces cerevisiae yeasts] Bakalkin GIa, et al. **Biokhimiia** 41(2):369–75, Feb 76 (Eng. Abstr.) **(Rus)**

SACCHAROMYCOPSIS see under **ASCOMYCETES**

SACCHAROPINE see under **LYSINE**

SACCHAROPINE DEHYDROGENASES see under **AMINE OXIDOREDUCTASES**

SACCULE see under **LABYRINTH**

SACRAL PLEXUS see **LUMBOSACRAL PLEXUS**

SACRAL REGION see **SACROCOCCYGEAL REGION**

SACROCOCCYGEAL REGION

Extragonadal endodermal sinus tumours. Report of a case. Bergljung L, et al. **Acta Chir Scand** 141(7):688–91, 1975
Tissue culture study of a sacrococcygeal chordoma with further ultrastructural study. Fu YS, et al. **Acta Neuropathol (Berl)** 32(3):225–33, 27 Aug 75
Sacrococcygeal dermoids and teratomas: historical review. Pantoja E, et al. **Am J Surg** 132(3):377–83, Sep 76
Familial presacral teratomas. Ashcraft KW, et al. **Birth Defects** 11(5):143–6, 1975
Letter: Sacrococcygeal teratoma and 'non-immunological' hydrops fetalis. Kohler HG. **Br Med J** 2(6032):422–3, 14 Aug 76
Presacral tumors and cysts in adults. Uhlig BE, et al. **Dis Colon Rectum** 18(7):581–9, Oct 75
Teratomas in children. Rau JB, et al. **Indian J Pediatr** 42(331):231–4, Aug 75
Congenital sacral dermal sinus: a case report. Rohatgi M, et al. **Indian Pediatr** 12(9):939–42, Sep 75
Sacrococcygeal teratoma in the neonate. Sladowski CF, et al. **Int Surg** 61(3):175–7, Mar 76
Coccygodynia and proctalgia fugax. Tavel LI. **J Am Osteopath Assoc** 75(12):1068–9, 70, Aug 76
Diverticular fistula between sigmoid colon and sacral cleft. Hurlow RA, et al. **Proc R Soc Med** 69(3):226–8, Mar 76
Sacrococcygeal chordoma: Report of a case and review of the literature. Gray SW, et al. **Surgery** 78(5):573–82, Nov 75
[Presacral meningocele] Fišer Z. **Cesk Neurol Neurochir** 39(3):145–9, May 76 (Eng. Abstr.) **(Cze)**
[Sacral teratoma – unusual cause of mechanical ileus in a newborn infant] Peychlová J, et al. **Rozhl Chir** 54(9):623–5, Sep 75 (Eng. Abstr.) **(Cze)**
[Sacrococcygeal teratomas] Vos LJ, et al. **Ned Tijdschr Geneeskd** 120(7):269–73, 14 Feb 76 (Eng. Abstr.) **(Dut)**
[Sacrococcygeal chordoma: therapeutic problems] Kafai F. **Acta Med Iran** 18(1–2):41–54, 1975 **(Fre)**
[Ultrastructure of a sacral chordoma] Lagacé R, et al. **Ann Anat Pathol (Paris)** 20(5):479–88, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[Coccygeal pain associated with intervertebral disk displacement] Nicola N, et al. **Nervenarzt** 46(4):212–3, Apr 75 **(Ger)**
[Trabeculary-papillary ependymoma in the sacrococcygeal region] Scharrer E, et al. **Zentralbl Neurochir** 35(2):131–6,

1974 (Eng. Abstr.) (Ger)
[Intrapelvic sacrococcygeal tumors in children] Rólski M, et al. **Pol Przegl Chir** 47(9A):73–6, Sep 75 (Eng. Abstr.) (Pol)
[Chordoma of the sacrococcygeal portion of the spine] Knysh IT. **Khirurgiia (Mosk)** (9):79–83, Sep 75 (Eng. Abstr.) (Rus)
[Diagnosis and treatment of combined coccygeal–rectal fistulas] Kaputan VP. **Klin Khir** (3):51–4, Mar 76 (Rus)
[Practical aspects in proctology III. Coccygodinia and Thiele's syndrome (author's transl)] Jarpa S. **Rev Med Chil** 103(11):772–4, Nov 75 (Eng. Abstr.) (Spa)

ABNORMALITIES

[Operative treatment of epithelial inclusions in the sacrococcygeal region] Ptashnikov S, et al. **Khirurgiia (Sofiia)** 28(2):191–3, 1975 (Eng. Abstr.) (Bul)
[Agenesia and dysraphia of sacral and coccygeal bones (author's transl)] Grigar L. **Cesk Radiol** 30(3):183–91, May 76 (Eng. Abstr.) (Cze)

BLOOD SUPPLY

[Anatomical studies of Luschka's gland] Di Marino V, et al. **Bull Assoc Anat (Nancy)** 59(165):391–7, Jun 75 (Eng. Abstr.) (Fre)

INNERVATION

Pharmacological and electrophysiological properties of the anococcygeus muscles. pp. 295–301. Creed KE, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**
Letter: Selective sacral neurectomy. Sugar O. **J Neurosurg** 45(2):245–6, Aug 76

PATHOLOGY

Cartilage analogue of fibromatosis. Subbuswamy SC, et al. **Indian J Cancer** 11(4):476–9, Dec 74

RADIOGRAPHY

Deviation of the rectosigmoid colon simulating a presacral tumor: report of a case. Lawson TL, et al. **Dis Colon Rectum** 19(4):360–2, May–Jun 76

SURGERY

Sacrococcygeal teratomas. Analysis of forty-three cases. Izant RJ Jr, et al. **Am J Surg** 130(5):617–21, Nov 75 (38 ref.)
Benign and malignant teratomas in children: analysis of 85 patients. Grosfeld JL, et al. **Surgery** 80(3):297–305, Sep 76
[Our experience in treating pilonidal cysts and fistulous ducts of the sacrococcygeal region] Abrashev D. **Khirurgiia (Sofiia)** 28(6):558–61, 1975 (Eng. Abstr.) (Bul)
[Surgical treatment of epithelial cysts and fistulae of the sacrococcygeal region] Petrov VP, et al. **Voen Med Zh** (10):67–8, Oct 75 (Rus)
[Surgical management of presacral sacrococcygeal teratomas, or with intrapelvic extension] Sariñana C, et al. **Bol Med Hosp Infant Mex** 33(2):373–83, Mar–Apr 76 (Eng. Abstr.) (Spa)

SACROILIAC JOINT

Pyogenic infections of the sacro-iliac joint. Dunn EJ, et al. **Clin Orthop** (118):113–7, Jul–Aug 76
The syndrome of seronegative spondarthritis. pp. 319–25. Wright V. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (17 ref.)
Pyogenic arthritis of the sacro-iliac joint. Long-term follow-up. Coy JT 3d, et al. **J Bone Joint Surg [Am]** 58(6):845–9, Sep 76
Pyogenic infection of the sacro-iliac joint. Report of thirteen cases. Delbarre F, et al. **J Bone Joint Surg [Am]** 57(6):819–25, Sep 75
Radioactive scanning in diagnosis of acute sacroiliac osteomyelitis. Trauner DA, et al. **J Pediatr** 87(5):751–3, Nov 75
Investigation of sacroiliac disease: Comparative evaluation of radiological and radionuclide techniques. Russell AS, et al. **J Rheumatol** 2(1):45–51, Mar 75
[Evaluation of clinical, x-ray and scintigraphic findings in sacroiliac joints and the spine in the diagnosis of ankylosing spondylitis] Jajić I, et al. **Reumatizam** 23(3):83–91, 1976 (Eng. Abstr.) (Cro)
[Value and limitatious of scintigraphy of the sacro-iliac joints using technetium pyrophosphate] d'Eshougues JR, et al. **Rev Rhum Mal Osteoartic** 42(6):383–9, Jun 75 (Eng. Abstr.) (Fre)
[Deterioration of the ileo-sacral joints through serious unilateral hip joint diseases (author's transl)] Aalam M, et al. **Arch Orthop Unfallchir** 82(3):257–62, 27 Jun 75 (Eng. Abstr.) (Ger)
[The triangular iliac hyperostosis — the sacro-iliac bony stress phenomenon. 1st part (terminology, definition, morphology) (author's transl)] Dihlmann W. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):1–6, Jan 76 (Ger)
[Is Dihlmann's sacroiliitis circumscripta a nosographic entity] Giordano M, et al. **Reumatismo** 24(3):200–4, Jul–Sep 72 (Eng. Abstr.) (Ita)
[Use of thermography in the diagnosis of inflammatory processess of the sacroiliac joint] Sadowska-Wroblewska M, et al. **Reumatologia** 13(3):183–91, 1975 (Eng. Abstr.) (Pol)
[HL-A antigens in ankylosing spondylitis and sacroiliitis] Sadowska-Wroblewska M, et al. **Reumatologia** 13(4):241–7, 1975 (Eng. Abstr.) (Pol)

INJURIES

Complete anterior dislocation of the sacro-iliac joint. A case report. Lewis MM, et al. **J Bone Joint Surg [Am]** 58(1):136–8, Jan 76
[Biomechanical observations of pelvic injuries and use of the fixateur externe in ruptures of the symphysis and sacroiliac joint] Bonnel F. **Hefte Unfallheilkd** (124):161–3, 1975 (Ger)
[Iliosacral dislocation] Hertel P, et al. **Hefte Unfallheilkd** (124):291–2, 1975 (Ger)
[Proceedings: Functional result following pelvic instability] Schneider H. **Hefte Unfallheilkd** (124):218, 1975 (Ger)
[Surgical treatment of injuries of the posterior portion of the pelvic ring] Treshchev VS. **Vestn Khir** 116(5):65–72, May 76 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Chronic arthritis due to Mycobacterium intracellulare. Sacroiliac, knee, and carpal tunnel involvement in a young man and response to chemotherapy. Cheatum DE, et al. **Arthritis Rheum** 19(4):777–81, Jul–Aug 76

PATHOLOGY

Sacro-iliac joint in renal osteodystrophy: roentgenographic-Pathologic correlation. Resnick D, et al. **J Rheumatol** 2(3):287–95, Sep 75

RADIOGRAPHY

Degenerative disease of the sacroiliac joint. Resnick D, et al. **Invest Radiol** 10(6):608–21, Nov–Dec 75
Lack of association of HLA B27 with radiographic sacroiliitis in inflammatory bowel disease. Hyla JF, et al. **J Rheumatol** 3(2):196–200, Jun 76
[Sacro-iliac osteochondritis (author's transl)] Delbart P, et al. **J Radiol Electrol Med Nucl** 57(1):89–91, Jan 76 (Eng. Abstr.) (Fre)
[Radiological atteration of sacro-iliac junctions in secondary hyperparathyroidism (author's transl)] Pavlica P, et al. **J Radiol Electrol Med Nucl** 56(10):699–701, Oct 75 (Eng. Abstr.) (Fre)
[Morphological basis of the 'variegated' sacroiliac radiographic picture in ankylosing spondylitis] Dihlmann W. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):389–90, Apr 76 (Ger)
[Isotope studies of sacroiliac joints with 99m technetium] Sadowska-Wroblewska M, et al. **Reumatologia** 14(2):175–82, 1976 (Eng. Abstr.) (Pol)

SACRUM

Pressure relief under the ischial tuberosities and sacrum using a cut-out board. Ma DM, et al. **Arch Phys Med Rehabil** 57(1):352–4, Jul 76
The forgotten nodule: complications of sacral nodules in rheumatoid arthritis. Sturrock RD, et al. **Br Med J** 4(5988):92–3, 11 Oct 75
Giant-cell tumors of the spine and sacrum causing neurological symptoms. Larsson SE, et al. **Clin Orthop** (111):201–11, Sep 75
Aneurysmal bone cyst of the spine. Two cases. Lipper MH. **S Afr Med J** 49(34):1409–10, 9 Aug 75
[Sacrococcygeal chordoma: therapeutic problems] Kafai F. **Acta Med Iran** 18(1–2):41–60, 1975 (Fre)
[Treatment of giant cell tumors of the sacrum. Apropos of an observed case] Cauchoix J, et al. **Rev Chir Orthop** 61(5):443–5, Jul–Aug 75 (Eng. Abstr.) (Fre)
[Osteoblastoma of the sacrum with abnormal painful symptoms] Nicolosi M. **Chir Organi Mov** 61(6):749–55, 1975 (Eng. Abstr.) (Ita)
[Caudal vertebro-medullary dysrhaphia. Intra-sacral forms] Sampaio P, et al. **Arq Neuropsiquiatr** 33(1):56–60, Mar 75 (Eng. Abstr.) (Por)
[Vertebrogenic lumbosacral radiculitis unrelated to disk herniation] Rutenburg MD. **Vopr Neirokhir** (3):45–9, May–Jun 75 (Rus)

ABNORMALITIES

Perosomus elumbis in sheep. Dennis SM. **Aust Vet J** 51(3):135–6, Mar 75
Familial presacral teratomas. Ashcraft KW, et al. **Birth Defects** 11(5):143–6, 1975
Sacral agenesis and associated anomalies. Israel J, et al. **Birth Defects** 12(5):45–51, 1976
[Sacro-coccygeal agensis with lumbla dysgenesis] Mathias K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):187–8, Aug 76 (Ger)
[Surgical indications in ventral sacral meningocele] Gruss P, et al. **Neuropaediatrie** 7(2):209–16, May 76 (Eng. Abstr.) (Ger)
[Agenesis of the sacrum and coccyx. Report of 2 cases] Radecka J, et al. **Pol Tyg Lek** 31(13):537–8, 29 Mar 76 (Eng. Abstr.) (Pol)
[Dehiscence and schisis of the posteriol wall of the sacral canal] Jovanović S, et al. **Glas Srp Akad Nauka [Med]** (26):5–16, 1975 (Ser)

INJURIES

[Several problems in the rehabilitation of patients with injuries to the lumbosacral portion of the spine and spinal cord] Rabin RF, et al. **Vopr Neirokhir** (5):35–9, Sep–Oct 75 (Rus)

RADIOGRAPHY

Comparative roentgenographic study of the asymptomatic and symptomatic lumbar spine. Torgerson WR, et al. **J Bone Joint Surg [Am]** 58(6):850–3, Sep 76
[X-ray examination of the lumbo-sacral spine in general practice] Borchgrevink CF. **Tidsskr Nor Laegeforen** 96(2):102–4, 20 Jan 76 (Eng. Abstr.) (Nor)
[Letter: X-ray of the lumbosacral spine in general practice] Borchgrevink CF. **Tidsskr Nor Laegeforen** 96(12):725–6, 30 Apr 76 (Nor)
[Letter: X-ray examination of the lumbosacral spine in general practice] Dale K. **Tidsskr Nor Laegeforen** 96(6):393–4, 28 Feb 76 (Nor)

SURGERY

Effects of major resection of the sacrum. Clinical studies on urogenital and anorectal function and a biomechanical study on pelvic strength. Gunterberg B. **Acta Orthop Scand [Suppl]** (162):1–38, 1976
Abdominoperineal resection for enormous presacral cysts and tumors. Drobni S, et al. **Am J Proctol** 26(5):33–6, Oct 75
Anorectal function after major resections of the sacrum with bilateral or unilateral sacrifice of sacral nerves. Gunterberg B, et al. **Br J Surg** 63(7):546–54, Jul 76
Facetectomy for the relief of intraforaminal compression of the fifth lumbar root at the collapsed lumbosacral disk. Gill GG. **Clin Orthop** (119):159–65, Sep 76
Neurourologic evaluation after resection of the sacrum. Gunterberg B, et al. **Invest Urol** 13(3):183–8, Nov 75

SADISM

Aggression, the death drive and the problem of sadomasochism. A reinterpretation of Freud's second drive theory. Sternbach O. **Int J Psychoanal** 56(3):321–33, Aug 75
The narcissistic function of masochism (and sadism). Stolorow RD. **Int J Psychoanal** 56(4):441–8, 1975
Homicidal hanging masquerading as sexual asphyxia. Wright RK, et al. **J Forensic Sci** 21(2):387–9, Apr 76
Clinging-going-in-search. A contrasting pair of instincts and their relation to sadism and masochism. Hermann I. **Psychoanal Q** 45(1):5–36, Jan 76

SAFETY see under **ACCIDENT PREVENTION**

SAFETY DEVICES see **PROTECTIVE DEVICES**

SAFFLOWER OIL see under **OILS**

SAFROLE see under **DIOXOLES**

SALAMANDERS

In situ hybridization of 'nick-translated' 3H-ribosomal DNA to chromosomes from salamanders. Macgregor HC, et al. **Chromosoma** 54(1):15–25, 27 JAN 76
Localization of 5'-ribonucleotide phosphohydrolase in regenerating (and normal) limb tissues of the adult newt Notophthalmus viridescens. Schmidt AJ, et al. **Differentiation** 3(1–3):29–42, 11 Aug 75
Mycotic granuloma in a tiger salamander. Migaki G, et al. **J Wildl Dis** 11(4):525–8, Oct 75
[Characteristics of meiosis in a trisomic male of the Urodele amphibian Pleurodeles waltlii Michah] Guillemin C. **C R Acad Sci [D] (Paris)** 281(2–3):159–62, 21 Jul 75 (Eng. Abstr.) (Fre)
[Localization and significance of the Q bands observed on mitotic chromosomes of the amphibian Pleurodeles waltlii Michah. after coloration by quinacrine mustare (author's transl)] Bailly S. **Chromosoma** 54(1):61–8, 27 JAN 76 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

A light and electron microscopic investigation of the hepatic parenchyma of the adult newt, Notophthalmus viridescens. Haar JL, et al. **Anat Rec** 185(3):313–23, Jul 76
The chiasmata of axolotls. Wallace H. **Arch Genet (Zur)** 47(2):86–95, 1974
Observations on peroxisomes in interrenal (adrenocortical) cells of Triturus cristatus and Salamandra salamandra (Urodele Amphibians). Berchtold JP. **Cell Tissue Res** 162(3):349–56, 13 Oct 75
Stretch receptors in urodele limb muscles. Bone Q, et al. **Cell Tissue Res** 165(2):249–66, 26 Jan 76
Temperature dependent changes in the thyroid gland of Mertensiella caucasica (Urodela, Amphibia). Schubert C, et al. **Cell Tissue Res** 165(4):467–75, 28 Jan 76
Immunocytochemical localization of prolactin in pars distalis of the salamander Necturus maculosus. Thompson SA, et al. **Gen Comp Endocrinol** 27(3):314–9, Nov 75
Morphological aspects of the spermatozoan cytoplasmic

droplet in some plethodontid salamanders. pp. 243–7. Murphy JA, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

A further study of the fine structure and membrane properties of neuroglia in the optic nerve of Necturus. Bracho H, et al. **J Neurobiol** 6(4):395–410, Jul 75

Olfactory epithelium of Necturus maculosus and Ambystoma tigrinum. Graziadei PP, et al. **J Neurocytol** 5(1):11–32, Feb 76

Visual identification of two kinds of nerve cells and their synaptic contacts in a living autonomic ganglion of the mudpuppy (Necturus maculosus). McMahan UJ, et al. **J Physiol (Lond)** 254(2):405–25, Jan 76

[Comparative study of the caudal musculature of species of the genus Hydromantes (Amphibia, Plethodontidae)] Serra GP, et al. **Arch Ital Anat Embriol** 79(1–2):13–28, 1974 (Eng. Abstr.) **(Ita)**

BLOOD

Transferrin of the newt Pleurodeles waltlii michah. Isolation and immunological relationship with other vertebrate transferrins. Foucrier J, et al. **Comp Biochem Physiol [B]** 53(4):555–9, 1976

Structural study of the alpha chain of one haemoglobin from the adults salamander, Pleurodeles waltlii. Flavin M, et al. **FEBS Lett** 67(1):52–7, 1 Aug 76

Appearance of the 'amphibian sex steroid binding proten' (A.SBP) during metamorphosis in female Pleurodeles waltlii serum. Martin B, et al. **Gen Comp Endocrinol** 27(4):548–52, Dec 75

[Studies on the origin of various blood cell lines in the salamander Pleurodeles waltlii (author's transl)] Deparis P, et al. **J Embryol Exp Morphol** 33(3):665–83, Jun 75 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Spinal nerves and their bearing on salamander phylogeny. Edwards JL. **J Morphol** 148(3):305–28, Mar 76

EMBRYOLOGY

Transfilter studies on neural induction in the newt. Toivonen S, et al. **Differentiation** 4(1):1–7, 2 Sep 75

Progesterone-induced in vitro maturation in oocytes of Notophthalmus viridescens (Amphibia Urodela) and some observations on cytological aspects of maturation. Pilone GB, et al. **J Embryol Exp Morphol** 34(2):451–66, Oct 75

[Extracellular material and chondrogenesis in amphibians] Corsin J. **Arch Anat Microsc Morphol Exp** 63(3):231–8, Jul–Sep 74 (Eng. Abstr.) **(Fre)**

[Morphogenesis of the anterior limb primordium and its histochemical aspects in the pleurodele and the axolotl] Bourgeois NM, et al. **C R Acad Sci [D] (Paris)** 280(17):2037–40, 5 May 75 (Eng. Abstr.) **(Fre)**

[In vitro differentiation of cartilage from cephalic neural crest of Pleurodeles waltlii Michah (author's transl)] Corsin J. **J Embryol Exp Morphol** 33(2):335–42, Apr 75 (Eng. Abstr.) **(Fre)**

[The role of temperature in phenotypic expression of amphibian embryos Pleurodeles waltlii homozygous for the heat-sensitive mutation ac (caudal ascites)] Fernandez M, et al. **J Embryol Exp Morphol** 34(1):221–52, Aug 75 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

The developmental cytology of the nuptial pad in the red-spotted newt. Forbes MS, et al. **Dev Biol** 46(1):56–78, Sep 75

IMMUNOLOGY

Cell surface immunoglobulins of thymus and spleen lymphocytes in urodele amphibian Pleurodeles waltlii (Salamandridae). Charlemagne J, et al. **Adv Exp Med Biol** 64:251–5, 1975

Phylogeny of functional humoral transplantation immunity: comparative studies in amphibians and rodents. Cohen N, et al. **Adv Exp Med Biol** 64:411–20, 1975

In vitro responses of urodele lymphoid cells: mitogenic and mixed lymphocyte culture reactivities. Collins NH, et al. **Adv Exp Med Biol** 64:305–14, 1975

Transplantation immunogenetics and MLC reactivities of partially inbred strains of salamanders (A. mexicanum): prelimanary studies. DeLanney LE, et al. **Adv Exp Med Biol** 64:315–24, 1975

Polyfunctional antigen-binding specificity in hapten-carrier responses of the newt, Triturus viridescens. Ruben LN, et al. **Adv Exp Med Biol** 64:387–95, 1975

Antibodies against Salmonella and SRBC in urodele amphibians: synthesis and characterization. Tournefier A, et al. **Adv Exp Med Biol** 64:161–71, 1975

METABOLISM

DNA synthesis in the thymus of the adult newt Notophthalmus viridescens. Hightower JA. **Acta Anat (Basel)** 92(3):454–66, 1975

Effects of peptide hormone structure on H+ secretion by Necturus gastric mucosa. Berkowitz JM, et al. **Am J Physiol** 231(2):573–8, Aug 76

Collagen metabolism in the regenerating forelimb of Notophthalmus viridescens: synthesis, accumulation, and maturation. Mailman ML, et al. **Dev Biol** 50(2):378–94, Jun 76

Respiratory surface area as a factor controlling the standard rate of O2 consumption of aquatic salamanders. Ultsch GR. **Respir Physiol** 26(3):357–69, MAY 76

[Effects of beta estradiol on thymidine kinase activity of the immature oviduct of the triton Pleurodeles waltlii Michah] Jego P, et al. **Gen Comp Endocrinol** 27(2):262–70, Oct 75 (Eng. Abstr.) **(Fre)**

[Histochemical marking of the urinary bladder of the salamander in relationship to the mechanisms of homeostasis] Gerzeli G. **Riv Istochim Norm Patol** 18(1–4):148, 1974 **(Ita)**

PHYSIOLOGY

Morphogenesis of the carpal elements in the regenerating forelimb of adult Notophthalmus viridescens viridescens. Benzo MM, et al. **Anat Rec** 183(3):421–9, Nov 75

Dendritic and somatic spikes in mudpuppy amacrine cells: indentification and TTX sensitivity. Miller RF, et al. **Brain Res** 104(1):157–62, 5 Mar 76

Intraspecific odor preferences between salamanders of the same sex: dependence on season and proximity of residence. Madison DM. **Can J Zool** 53(9):1356–61, Sep 75

Supernumerary limgs in amphibians: experimental production in Notophthalmus viridescens and a new interpretation of their formation. Bryant SV, et al. **Dev Biol** 50(1):212–34, May 76

An autoradiographic study of the origin of intestinal blastemal cells in the newt, Notophthalmus viridescens. Grubb RB. **Dev Biol** 47(1):185–95, Nov 75

The roles of injury, nerves, and the wound epidermis during the initiation of amphibian limb regeneration. Tassava RA, et al. **Differentiation** 4(1):23–4, 2 Sep 75

Dose-dependent effects of methylmercury on limb regeneration of newts (Triturus viridescens). Chang LW, et al. **Environ Res** 11(3):305–9, Jun 76

Molecular hybridization of iodinated 4S, 5S, and 18S + 28S RNA to salamander chromosomes. León PE. **J Cell Biol** 69(2):287–300, May 76

In vitro studies of limb regeneration in adult Diemictylus viridescens: neural dependence of blastema cells for growth and differentiation. Globus M, et al. **J Embryol Exp Morphol** 33(4):813–29, Jul 75

Cell cycle parameters in dedifferentiating iris epithelial cells. Yamada T, et al. **J Embryol Exp Morphol** 34(2):497–510, Oct 75

Thyroid hormone action on the effect of prolactin. Gona O, et al. **J Endocrinol** 68(02):349–50, Feb 76

Stages of tail regeneration in the adult newt, Notophthalmus viridescens. Iten LE, et al. **J Exp Zool** 196(3):283–92, Jun 76

Regeneration from different levels along the tail of the newt, Notophthalmus viridescens. Iten LE, et al. **J Exp Zool** 196(3):293–306, Jun 76

Absorption spectra and linear dichroism of some amphibian photoreceptors. Hárosi FI. **J Gen Physiol** 66(3):357–82, Sep 75

Models for coupling of salt and water transport; Proximal tubular reabsorption in Necturus kidney. Sackin H, et al. **J Gen Physiol** 66(6):671–733, Dec 75 (53 ref.)

Proceedings: Control of collateral sprouting in mechanosensory nerves of salamander skin. Cooper E, et al. **J Physiol (Lond)** 252(2):20P–21P, Nov 75

Interactions of rod and cone signals in the mudpuppy retina. Fain GL. **J Physiol (Lond)** 252(3):735–69, Nov 75

The acetylcholine sensitivity of the surface membrane of multiply-innervated parasympathetic ganglion cells in the mudpuppy before and after partial denervation. Roper S. **J Physiol (Lond)** 254(2):455–73, Jan 76

An electrophysiological study of chemical and electrical synapses on neurones in the parasympathetic cardiac ganglion of the mudpuppy, Necturus maculosus: evidence for intrinsic ganglionic innervation. Roper S. **J Physiol (Lond)** 254(2):427–54, Jan 76

Nerves and angiogenesis in amphibian limb regeneration. Smith AR, et al. **Nature** 257(5523):224–5, 18 Sep 75

Cyclic AMP and neuroendocrine influence upon forelimb regeneration in the adult newt, Notophthalmus viridescens. Sicard RE. **Oncology** 32(3–4):190–5, 1975

Transepithelial potential difference in the proximal tubule of necturus kidney. Edelman A, et al. **Pfluegers Arch** 363(2):105–11, 12 May 76

Kinetics of inert gas equilibration in an exclusively skin-breathing salamander, Desmognathus fuscus. Gatz RN, et al. **Respir Physiol** 24(1):15–29, Jun 75

[Proceedings: Chemoreceptors of the lateral line organs in Necturus] Yanagisawa K, et al. **J Physiol Soc Jpn** 36(8–9):315, 1 Sep 74 **(Jpn)**

[Reutilization of labelled DNA precursors by the iris cells during the regeneration of the lens and retina in newts] Grigorian EN, et al. **Ontogenez** 7(1):64–9, 1976 (Eng. Abstr.) **(Rus)**

SALAMANDRA

IMMUNOLOGY

[Demonstration and in vitro study of a complex reaction (rejection and facilitation) of the mother towards the embryo in the urodele amphibian Salamandra salamandra L.] Badet MT, et al. **C R Acad Sci [D] (Paris)** 281(2–3):199–202, 21 Jul 75 (Eng. Abstr.) **(Fre)**

SALBUTAMOL see ALBUTEROL

SALICYLAMIDES

ADMINISTRATION & DOSAGE

The efficiency of clioxanide and rafoxanide against Fasciola hepatica in sheep by different routes of administration. Campbell NJ, et al. **Aust Vet J** 51(11):500–3, Nov 75

Effect of route of administration on competitive drug biotransformation interaction: salicylamide–ascorbic acid interaction in rats. Houston JB, et al. **J Pharmacol Exp Ther** 198(2):284–94, Aug 76

ANALYSIS

Quantitative analysis of tribromsalan in blood and urine. Chun Hong HS, et al. **J Pharm Sci** 64(12):2007–8, Dec 75

Spectrophotometric determination of salicylamide in complex mixtures. Joy J, et al. **Mikrochim Acta** (1 Pt 2):125–8, 1975

CHEMICAL SYNTHESIS

[Esters and amides of salicyloylamino acids] Mazzotta D, et al. **Farmaco [Sci]** 30(5):399–407, May 75 (Eng. Abstr.) **(Ita)**

METABOLISM

Factors influencing absorption and excretion of drugs. IV. Effect of hypertonic and hypotonic solutions on in situ rat intestinal absorption of several drugs. Kojima S, et al. **Chem Pharm Bull (Tokyo)** 23(6):1247–55, Jun 75

Sodium salicylamide: relative bioavailability and subjective effects. Fleckenstein L, et al. **Clin Pharmacol Ther** 19(4):451–8, Apr 76

Proceedings: Bacterial degradation of salicylamide. Grant DJ, et al. **J Pharm Pharmacol** 27 Suppl?–2:49P, Dec 75

Effect of carbonated beverages and of an antiemetic containing carbohydrate and phosphoric acid on riboflavin bioavailability and salicylamide biotransformation in humans. Houston JB, et al. **J Pharm Sci** 64(9):1504–7, Sep 75

Effect of portacaval shunt on the disposition of drugs with and without first-pass effect. Gugler R, et al. **J Pharmacol Exp Ther** 195(3):416–23, Dec 75

[Diminished activity of the hepatic glucuronation of the salicylamide in subjects with erythrocyte deficiency of glucosephosphate dehydrogenase (G-6-PD)] Cutillo S. **Pediatria (Napoli)** 83(3):vi–vii, 30 Sep 75 **(Ita)**

[Absorption, distribution and excretion of 4-chloroanilid of 5-chlorosalicyclic acid] Kobylińska M, et al. **Pneumonol Pol** 44(2):125–9, Feb 76 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Studies on effects of drugs upon protoscoleces of Echinococcus granulosus in vitro. I. Scolicidal effect of salicylanilide and bisphenol derivatives against Echinococcus granulosus in vitro. Sakamoto T, et al. **Jpn J Vet Res** 23(3):81–94, Jul 75

The effects of rafoxanide and nitroxynil on the survival, growth and morphology of Fasciola hepatica in rabbits. Stammers BM. **Z Parasitenkd** 46(2):153–6, 1975

[Testing the antibacterial effects of Palmador soap with disinfecting additives salicylanilides (author's transl)] Vránová J, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(4):240–8, Jul 75 (Eng. Abstr.) **(Cze)**

[Pharmacological studies of a new antitussive, 1-phenethyl-4-hydroxy-salicylamido-4-methyl-piperidin (S 1592) (author's transl)] Duhault J, et al. **Arzneim Forsch** 26(4):516–23, Apr 76 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Use of immunologic techniques to detect chemotherapeutic success in infections with Fasciola hepatica. I. Rabbit infections. Hillyer GV, et al. **Am J Trop Med Hyg** 25(2):307–11, Mar 76

Trials with rafoxanide. 7. Efficacy against Fasciola hepatica, Haemonchus placei and Bunostomum phlebotomum in cattle. Snijders AJ, et al. **J S Afr Vet Assoc** 46(3):265–7, Sep 75

Trypanosomiasis: an approach to chemotherapy by the inhibition of carbohydrate catabolism. Clarkson AB Jr, et al. **Science** 194(4261):204–6, 8 Oct 76

The comparative efficacy of diamphenethide and rafoxanide against fasciola gigantica in sheep. Kadhim JK. **Tropenmed Parasitol** 26(2):201–4, Jun 75

[Rafoxanide in the treatment of fasciola gigantica fascioliasis in the zebu of Chad] Troncy PM, et al. **Rev Elev Med Vet Pays Trop** 29(1):31–7, 1976 (Eng. Abstr.) **(Fre)**

[Dose-effect test of Xipamid in hypertension as compared with other antihypertensive drugs] Davies PS, et al. **Med Welt** 27(24):1204–8, 11 Jun 76 **(Ger)**

[Ranide-MSD and ranizole-MSD in the treatment of fasciolasis and gastrointestinal nematode infections in sheep] Romaniuk K, et al. **Wiad Parazytol** 22(2):177–84, 1976 (Eng. Abstr.) **(Pol)**

TOXICITY

Comparative studies on phototoxicity of chemicals. Kobayashi F, et al. **J Dermatol (Tokyo)** 1(3):93–8, Sep 74

Studies on the mechanism of potentiation of the acute toxicity of 2,4-D n-butyl ester and 2',5-dichloro-4'-nitrosalicylanilide in rainbow trout by carbaryl. Statham CN, et al. **Toxicol Appl Pharmacol** 36(2):281-96, May 76

URINE

Salicylamide-Glucuronide formation in children with favism and in their parents. Cutillo S, et al. **Acta Haematol (Basel)** 55(5-2):296-9, 1976

SALICYLATES

Mechanism of superoxide anion scavenging reaction by bis-(salicylato)-copper (II) complex. deAlvare LR, et al. **Biochem Biophys Res Commun** 69(3):687-94, 5 Apr 76

Determination of structure-activity relationships for salicylaldehydes using CNDO and EHT calculations. Tinland B. **Farmaco [Sci]** 30(5):418-22, May 75

Modification of diffusion rates of benzocaine from topical vehicles using sodium salicylate as complexing agent. York P, et al. **J Pharm Sci** 65(4):493-7, Apr 76

Benorylate Symposium, Helsinki, June 3, 1975. Closing remarks. Doury P. **Scand J Rheumatol [Suppl]** (13):37-40, 1975

A review of benorylate - a new antirheumatic drug. Wright V. **Scand J Rheumatol [Suppl]** (13):5-8, 1975

Transfer factor in salicylanilide contact allergy. Herman PS. **Z Immunitaetsforsch** 146(2):93-100, Nov 73

[Tablets. XIV. Influence of Precirol on the in vitro liberation of sodium salicylate. The process of granulation and inclusion] Terrier JL, et al. **Pharm Acta Helv** 50(7-8):219-25, 1975 **(Fre)**

[Tablets. XV. Influence of Precirol on the in vitro liberation of sodium salicylate. The process of coating the grains] Terrier JL, et al. **Pharm Acta Helv** 50(7-8):226-31, 1975 **(Fre)**

ADMINISTRATION & DOSAGE

[Dosage of salicylates in juvenile rheumatoid arthritis] Laaksonen AL, et al. **Kinderaerztl Prax** 43(6):263-7, Jun 75 **(Ger)**

[Use of salicylic electrophoresis after surgery in patients with rheumatic heart defects] Levina LA, et al. **Vopr Revm** (4):55-8, Oct-Dec 75 **(Rus)**

ADVERSE EFFECTS

Letter: Salicylate hepatotoxicity in Reiter's syndrome. Ricks WB. **Ann Intern Med** 84(1):52-3, Jan 76

Letter: Salicylate hepatotoxicity and HL-A-W27. Schulman P. **Ann Intern Med** 84(6):754-5, Jun 76

Letter: Salicylate-induced hepatic injury. Barone R, et al. **Arthritis Rheum** 19(5):964-6, Sept-Oct 76

Salicylates and renal function in rheumatoid arthritis. Burry HC, et al. **Br Med J** 1(6010):613-5, 13Mar 76

Maternal effects of regular salicylate ingestion in pregnancy. Collins E, et al. **Lancet** 2(7930):335-8, 23 Aug 75

Letter: Salicylate ingestion in pregnancy. Ellman MH. **Lancet** 2(7936):665, 4 Oct 75

Fetal effects of regular salicylate ingestion in pregnancy. Turner G, et al. **Lancet** 2(7930):338-9, 23 Aug 75

Editorial: Salicylate ingestion during pregnancy. **Med J Aust** 1(8):214-5, 21 Feb 76

Salicylate-induced injury of pyruvate-kinase-deficient erythrocytes. Glader BE. **N Engl J Med** 294(17):916-8, 22 Apr 76

Letter: Salicylates and PK-deficient reticulocytes. Henry R. **N Engl J Med** 295(4):229-30, 22 Jul 76

Oral salicylates and bleeding from the upper gastrointestinal tract, a frequent association in medical ward admissions. Algom D, et al. **New Istanbul Contrib Clin Sci** 11(2):98-102, Jun 75

[Salicylates--II] Rugstad HE. **Tidsskr Nor Laegeforen** 96(12):719-20, 30 Apr 76 **(Nor)**

[Acute gastric hemorrhage and secondary acute bleeding ulcer at the site of gastrojejunostomy as a complication of influenza] Formejster I. **Wiad Lek** 28(16):1391-3, 15 Aug 75 (Eng. Abstr.) **(Pol)**

[Toxicologic significance of salicylates in rheumatology] Vrečenić M. **Med Pregl** 28(7-8):341-4, 1975 **(Ser)**

[Adoerse effects by the administration of salicylates] Ramírez Mayans J, et al. **Bol Med Hosp Infant Mex** 32(6):1229-39, Nov-Dec 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

Quantitative determinations by ion-pair extraction. Part 13. Extraction of salicylate and 2-naphthalenesulfonate as ion pairs and adducts with trioctylphosphine oxide. Schröder-Nielsen M. **Acta Pharm Suec** 13(2):145-56, 1976

Letter: Precaution in the monitoring of drug levels in saliva: abnormal salicylate levels after oral dosing. Chiou WL, et al. **J Clin Pharmacol** 16(2-3):158-60, Feb-Mar 76

BIOSYNTHESIS

Synthesis of anacardic acids in seeds of Ginkgo biloba. Gellerman JL, et al. **Biochim Biophys Acta** 431(1):16-21, 22 Apr 76

Inhibition of 6-methylsalicyclic acid synthesis by the antibiotic cerulenin. Ohno H, et al. **J Biochem (Tokyo)** 78(6):1149-52, Dec 75

BLOOD

Correlations between transaminase concentrations and serum salicylate concentration in juvenile rheumatoid arthritis. Miller JJ III, et al. **Arthritis Rheum** 19(1):115-8, Jan-Feb 76

Sexual differences in the metabolism of salicylates. Sechserová M, et al. **Arzneim Forsch** 25(10):1581-2, Oct 75

Efficacy of activated charcoal hemoperfusion in removing lethal doses of barbiturates and salicylate from the blood of rats and dogs. Hill JB, et al. **Clin Chem** 22(6):754-60, Jun 76

Distribution of salicylate between neonatal and maternal serum at diffusion equilibrium. Levy G, et al. **Clin Pharmacol Ther** 18(2):210-4, Aug 75

Binding of salicylate and sulfathiazole by whole blood constituents. Cruze CA, et al. **J Pharm Sci** 65(1):33-7, Jan 76

Failure of prednisone to alter plasma salicylate concentrations in dogs. Day DK, et al. **J Pharm Sci** 65(5):773-4, May 76

[A contribution to the pharmacokinetics of some of the latest salicylate drugs (author's transl)] Trnavský K, et al. **Cas Lek Cesk** 115(18):552-5, 7 May 76 (Eng. Abstr.) **(Cze)**

[Determination of blood salicylate levels in humans after intravenous and intramuscular administration of lysine acetylsalicylate] Warembourg H, et al. **Lille Med** 20(10):923-7, Dec 75 **(Fre)**

[Serum salicylates in gastrointestinal hemorrhage] Domellöf L, et al. **Lakartidningen** 73(16):1521-3, 14 Apr 76 (Eng. Abstr.) **(Swe)**

CEREBROSPINAL FLUID

Central nervous system salicylate. Reed JR, et al. **Clin Toxicol** 8(6):623-31, 1975

METABOLISM

The distribution of drugs in the central nervous system. Lorenzo AV, et al. **Adv Exp Med Biol** 69:447-61, 1976 (52 ref.)

The distribution and elimination of radioactivity in the rat after administration of 14C-4-acetamidophenyl-2-acetoxybenzoate (benorylate). Liss E, et al. **Arzneim Forsch** 25(11):1792-3, Nov 75

Factors influencing absorption and excretion of drugs. III. Effect of fasting on absorption and excretion of sodium salicylate and aspirin in rabbits. Kojima S, et al. **Chem Pharm Bull (Tokyo)** 22(10):2270-5, Oct 74

Letter: Correlation of plateau serum salicylate with rate of salicylate metabolism. Graham GG, et al. **Clin Pharmacol Ther** 20(1):120-3, Jul 76

Correlation of plateau serum salicylate level with rate of salicylate metabolism. Gupta N, et al. **Clin Pharmacol Ther** 18(3):350-5, Sep 75

Role and regulation of the ortho and meta pathways of catechol metabolism in pseudomonads metabolizing naphthalene and salicylate. Barnsley EA. **J Bacteriol** 125(2):404-8, Feb 76

Metabolism of naphthalene, 2-methylnaphthalene, salicylate, and benzoate by Pseudomonas PG: regulation of tangential pathways. Williams PA, et al. **J Bacteriol** 124(2):679-85, Nov 75

Impairment of salicylate uptake from rat small intestine following pretreatment with a folic acid antagonist. Bowring NE, et al. **J Pharm Pharmacol** 28(2):175-6, Feb 76

Proceedings: Bacterial degradation of calcium benzamidosalicylate. Grant DJ, et al. **J Pharm Pharmacol** 27 Suppl?-2:48P, Dec 75

The absorption of benorylate from everted sacs of rat intestinal. Humphreys KJ, et al. **J Pharm Pharmacol** 27(12):962-4, Dec 75

Influence of aspirin formulation and dose on concentration of total salicylate in rat kidney. Leeling JL, et al. **J Pharm Sci** 65(3):447-50, Mar 76

Simultaneous pharmacokinetics of benorylate in plasma and synovial fluid of patients with rheumatoid arthritis. Aylward M, et al. **Scand J Rheumatol [Suppl]** (13):9-12, 1975

Distribution of benorylate in plasma, synovial fluid and tissue in rheumatoid arthritis. Franke M, et al. **Scand J Rheumatol [Suppl]** (13):13-7, 1975

The passage of benorylate into the synovial fluid and tissue of rheumatoid patients. Laine VA, et al. **Scand J Rheumatol [Suppl]** (13):18-20, 1975

[Some aspect of the role of aspirin-esterase in the metabolism of salicylate (author's transl)] Trnavský K, et al. **Cas Lek Cesk** 114(41):1258-60, 10 Oct 75 (Eng. Abstr.) **(Cze)**

Transport time for salicylates from blood to joint fluid--a test of histopathology of the synovial membrane. Soren A. **Z Rechtsmed** 34(5-6):213-20, May-Jun 75 **(Ger)**

[The distribution of benorylate in plasma, synovial fluid and synovial tissue in rheumatoid arthritis] Manz G, et al. **Z Rheumatol** 34(11-12):400-7, Nov-Dec 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Acute redistribution of thyroxine after the administration of univalent anions, salicylate, theophylline and barbiturates in rats. Langer P, et al. **Acta Endocrinol (Kbh)** 81(3):516-24, Mar 76

Apparent reduction of endogenous creatinine clearance by salicylate treatment. Burry HC, et al. **Br Med J** 2(6026):16-7, 3 Jul 76

Letter: Effect of salicylates on creatinine clearance. Plotz P, et al. **Br Med J** 2(6032):421-2, 14 Aug 76

Observations on the effect of salicylate in fever and the regulation of body temperature against cold. Pittman QJ, et al. **Can J Physiol Pharmacol** 54(2):101-6, Apr 76

Chemotaxis of rabbit macrophages in vitro: inhibition by drugs. Borel JF, et al. **Experientia** 31(12):1437-9, 15 Dec 75

Proceedings: Inhibition of glucosamine synthetase by ulcerogenic and non-ulcerogenic drugs. Goodman MJ, et al. **Gut** 16(10):823, Oct 75

Effect of salicylates on histamine and L-histidine metabolism. Inhibition of imidazoleacetate phosphoribosyl transferase. Moss J, et al. **J Clin Invest** 58(1):137-41, Jul 76

Adenosine triphosphate and phosphocreatine levels in cochlear structures. Use rate and effect of salicylates. Krzanowski JJ Jr, et al. **J Histochem Cytochem** 23(10):766-73, Oct 75

Effect of sodium salicylate on hamster cells in vitro. Rubenstein M, et al. **J Pharm Sci** 65(5):756-8, May 76

Acute pulmonary edema and plasma kininogen consumption in the adrenaline-treated rat: inhibition by acetylsalicylic acid and resistance to salicylate and indomethacin. Rothschild AM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(2-3):319-21, 1975

The effect of sodium salicylate on dibutyryl cyclic AMP fever in the conscious rabbit. Willies GH, et al. **Neuropharmacology** 15(1):9-10, Jan 76

The synergistic effect of salicylates on methotrexate toxicity. Mandel MA. **Plast Reconstr Surg** 57(6):733-7, Jun 76

Influence of some salicylates and sulfonamides on binding by albumin of SPC-703 and tolbutamide. Wójcikowski C, et al. **Pol J Pharmacol Pharm** 28(2):129-35, 1976

The effects of salicylic acid on metabolism and potassium ion content in yeast. Scharff TG, et al. **Proc Soc Exp Biol Med** 151(1):72-7, Jan 76

Attenuation of salicylate and stress-produced gastric ulceration by metiamide. Brown PA, et al. **Proc West Pharmacol Soc** 18:123-7, 1975

Red cell organic phosphates during administration of salicylates. Monti M, et al. **Scand J Haematol** 16(4):295-9, Apr 76

The antipyretic effects of hyperbaric air and salicylate on rats. Hart JL. **Undersea Biomed Res** 1(1):83-9, Mar 74

Histophysiologic response of the pituitary-inertrenal system to salicylate and adrenocorticotropin in catfish, Heteropneustes iossilis (Bloch). Jaiswal DM, et al. **Z Mikrosk Anat Forsch** 89(3):423-30, 1975

Mechanism of the antipyretic action of salicylates and pyrazolone derivates. van Duin CT, et al. **Zentralbl Veterinaermed [A]** 22(6):510-9, Aug 75

[Effect of salicylates on the ascorbic acid metabolism] Hrubá F, et al. **Cesk Gastroenterol Vyz** 30(1):9-15, Jan 76 (Eng. Abstr.) **(Cze)**

[Lysis by papain of cartilage in the rabbit ear. Comparison of the protective effects of sodium salicylate and arginine salicylate] Guesnier LR, et al. **Therapie** 30(6):931-4, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Influence of sodium salicylate, acetylsalicylate, 2, 3-dihydroxybenzoic and 2, 3-diacetoxybenzoic acids on the blood coagulation system and the elimination of heparin] Ermakova NV. **Farmakol Toksikol** 38(4):445-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

POISONING

Acute encephalopathy in siblings. Reye syndrome vs salicylate intoxication. Rosenfeld RG, et al. **Am J Dis Child** 130(3):295-7, Mar 76

Salicylate removal by charcoal haemoperfusion in experimental intoxication in dogs:an assessment of efficacy and safety. Brookings CH, et al. **Arch Toxicol (Berl)** 34(3):243-52, 20 Nov 75

Salicylate poisoning complicated by fluid retention. Temple AR, et al. **Clin Toxicol** 9(1):61-8, 1976

Circulatory changes in dogs intoxicated with methylsalicylate. pp. 97-103. Ojiambo HP. **In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.**

Therapy of severe salicylate intoxication. pp. 64-70. Buselmeier TJ, et al. **In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN917G 1974c.**

Salicylate intoxication. Trapnell K. **J Am Pharm Assoc** 16(3):147-9, 163, Mar 76

Anterior tibial compartment syndrome following prolonged tetany. Lees AJ. **J Neurol Neurosurg Psychiatry** 39(4):406-8, Apr 76

Letter: Age-dependent sensitivity to salicylate. Stubbs WA, et al. **Lancet** 2(7946):1216, 13 Dec 75

THERAPEUTIC USE

Benorylate interaction with indomethacin and phenylbutazone. Khalili-Varasteh H, et al. **Arch Int Pharmacodyn Ther** 219(1):149-59, Jan 76

Oral antipyretic therapy: evaluation of benorylate, an ester of acetylsalicylic acid and paracetamol. Similä S, et al.

Eur J Pediatr 121(1):15–20, 9 Dec 75
Comparison of benorylate and indomethacin in the symptomatic control of arthritic disorders. Coigley MH. **Practitioner** 215(1287):348–52, Sep 75
Clinical study of a new anti-inflammatory and analgesic compound, benorylate, in rheumatic disorders. Doury P, et al. **Scand J Rheumatol [Suppl]** (13):33–6, 1975
Benorylate: a report on 2 years' experience of its use in rheumatoid arthritis and other chronic rheumatic diseases. Hingorani K. **Scand J Rheumatol [Suppl]** (13):29–32, 1975
A double-blind study of the analgesic action of benorylate suspension in osteoarthritis of the hip and knee. Kuntz D, et al. **Scand J Rheumatol [Suppl]** (13):25–8, 1975
A long-term study of benorylate in patients with rheumatoid arthritis. Müller-Fassbender H, et al. **Scand J Rheumatol [Suppl]** (13):21–4, 1975
Methotrexate—salicylate interaction: a clinical and experimental study. Zuik M, et al. **Surg Forum** 26:567–9, 1975
[Suppression of concomitant thrombosis in central venous catheters (infraclavicular route) by salicylates (author's transl)] Fassolt A, et al. **Anaesthesist** 24(7):325–8, Jul 75 (Eng. Abstr.) **(Ger)**
[Thermographic and histologic studies of the antiinflammatory effect of benorilate by means of the cotton pellet test in the rat (author's transl)] Lörincz G, et al. **Arzneim Forsch** 25(10):1549–1, Oct 75 (Eng. Abstr.) **(Ger)**
[The therapeutical value of mundisal, gel and solution, in the treatment of lesions of the buccal mucosa (author's transl)] Firu P, et al. **Praxis** 65(4):111–6, 27 Jan 76 (Eng. Abstr.) **(Ger)**
[Clinical experience with Menthoneurin ointment in rheumatic diseases] Engel P. **Z Allgemeinmed** 51(29):1328–9, 20 Oct 75 **(Ger)**
[Topical treatment of edema and hematoma in the surgical practice] Isbary JW. **Z Allgemeinmed** 51(14):684–6, 20 May 75 **(Ger)**
[Treatment of psoriasis using Cignolin (dihydroxyanthranol): CSP (Cignolin-Salicylic acid-Petrolatum) – treatment schedule from Cologne] Orfanos CE, et al. **Z Hautkr** 51(12):473–80, 15 JUN 76 **(Ger)**
[Long-term treatment of chronic polyarthritis using benorylate] Müller-Fassbender H, et al. **Z Rheumatol** 35(1–2):67–71, Jan–Feb 76 (Eng. Abstr.) **(Ger)**
[Salicylates. I.] Rugstad HE. **Tidsskr Nor Laegeforen** 96(11):652–4, 20 Apr 76 **(Nor)**

TOXICITY

Elevated urinary phenol levels in beagle dogs treated with salol. Kociba RJ, et al. **Am Ind Hyg Assoc J** 37(3):183–90, Mar 76
Toxic deafness. I. Histological study of the effect of arsenic, salicylates and quinine, on the organ of Corti of guinea pigs. Aly S, et al. **J Egypt Med Assoc** 58(3–4):144–57, 1975
Toxic deafness. II. The effect of arsenic, salicylates and quinine on choline esterase activity in the blood and temporal lobe of guinea pigs. Aly S, et al. **J Egypt Med Assoc** 58(3–4):158–66, 1975
Developmental precocity in transferred mouse embryos influencing the teratogen response to salicylate. Marsk L, et al. **J Embryol Exp Morphol** 33(4):907–13, Jul 75
CO2 retention as a basis for increased toxicity of salicylate with acetazolamide: avoidance of increased toxicity with benzolamide. Liddell NE, et al. **J Pharmacol Exp Ther** 195(1):1–7, Oct 75
Letter: Age-dependent sensitivity to salicylate. Gaunt IF, et al. **Lancet** 1(7955):366, 14 Feb 76
The cardiomyopathy associated with methylsalicylate. Ojiambo HP. **Postgrad Med J** 51(595):344–9, May 75
[Long-term toxicity of benorylate] Reiter W. **Z Rheumatol** 34(7–8):270–5, Jul–Aug 75 (Eng. Abstr.) **(Ger)**

URINE

Letter: Determination of salicylate and its metabolites in urine. Levy G, et al. **Clin Chem** 22(3):395, Mar 76
[Trends in urinary analgesic excretion in a cohort observed from 1968 to 1975] Baumeler HR, et al. **Soz Praeventivmed** 20(5):242–3, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

SALICYLAZOSULFAPYRIDINE

ADVERSE EFFECTS

Letter: Eosinophilic pneumonia: an unusual side effect of therapy with salicylazosulfapyridine. Constantinidis KA. **Chest** 70(2):315–6, Aug 76
Sulphasalazine lung. Tydd TF. **Med J Aust** 1(16):570–3, 17 Apr 76
[Serum sickness with pseudolymphomatous lymph node hyperplasia caused by salicylazosulfapyridine] Delage C, et al. **Union Med Can** 104(4):579–84, Apr 75 (Eng. Abstr.) **(Fre)**
[Side effects of azulfidine therapy] Miller B. **Med Welt** 27(27):1334–5, 2 Jul 76 **(Ger)**
[Lyell's syndrome caused by Salazopyrine] Várkonyi V, et al. **Orv Hetil** 117(16):971–3, 18 Apr 76 **(Hun)**

ANALYSIS

High-speed liquid chromatographic analysis of sulfasalazine (salicylazosulfapyridine). Bighley LD, et al. **J Pharm Sci** 64(9):1549–53, Sep 75

METABOLISM

Proceedings: Bacterial breakdown of sulphasalazine (salazopyrin). Azad Khan AK, et al. **Gut** 16(10):832, Oct 75
Drugs metabolized by intestinal microflora. pp. 91–102. Goldman P, et al.
In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.
Cholestyramine-induced inhibition of salicylazosulfapyridine (sulfasalazine) metabolism by rat intestinal microflora. Pieniaszek HJ Jr, et al. **J Pharmacol Exp Ther** 198(1):240–5, Jul 76

PHARMACODYNAMICS

Inhibition of prostaglandin biosynthesis by sulphasalazine and its metabolites. Collier HO, et al. **Prostaglandins** 11(2):219–25, Feb 76

THERAPEUTIC USE

Salicylazosulfapyridine in inflammatory bowel disease. Das KM, et al. **Am J Dig Dis** 20(10):971–6, Oct 75
Responses to drug therapy in ulcerative colitis. Evaluation by rectal biopsy and mucosal cell counts. Korelitz BI, et al. **Am J Dig Dis** 21(6):441–7, Jun 76
Treatment of chronic radiation enteritis and colitis with salicylazosulfapyridine and systemic corticosteroids. A pilot study. Goldstein F, et al. **Am J Gastroenterol** 65(3):201–8, Mar 76
Responses to drug therapy in ulcerative colitis. Evaluation by rectal biopsy and histopathological changes. Korelitz BI, et al. **Am J Gastroenterol** 64(5):365–70, Nov 75
Salazopyrin in the treatment of scleroderma. Barnett AJ, et al. **Australas J Dermatol** 16(2):55–9, Aug 75
Use of salazopyrin for prevention of peritoneal adhesions in rats. Golan J, et al. **Isr J Med Sci** 12(3):257–9, Mar 76
Letter: Prostaglandins, ulcerative colitis, and sulphasalazine. Gould SR. **Lancet** 2(7942):988, 15 Nov 75
[Salicylazosulphapyridine for malabsorption in agammoglobulinemia] Kaplinsky N, et al. **Harefuah** 90(7):315–6, 1 Apr 76 (Eng. Abstr.) **(Heb)**

SALICYLIC ACIDS

The interaction of ligands with chemically modified phosphorylase b. Brooks D, et al. **Can J Biochem** 54(5):494–9, May 76
Proceedings: The influence of some polyoxyethylene-polyoxypropylene polymers on the in vitro availability of salicylic acid. Collett JH, et al. **J Pharm Pharmacol** 27 Suppl?–2:9P, Dec 75
Some effects of urea on drug dissolution. Collett JH, et al. **J Pharm Pharmacol** 28(3):206–9, Mar 76
Some factors influencing dissolution from salicylic acid–urea solid dispersions. Collett JH, et al. **J Pharm Pharmacol** 28(4):305–8, Apr 76
Effect of polysorbate 80 on apparent partition coefficient of salicylic acid and its absorption from the rat intestine. Hikal AH, et al. **J Pharm Sci** 65(4):621–3, Apr 76
Solid-state decomposition of para-substituted salicylic acids. Pothisiri P, et al. **J Pharm Sci** 64(12):1931–5, Dec 75
Migration of amphetamine and mandelic and salicylic acids in various pH buffer solutions examined via thin layer electrophoresis. Choulis NH, et al. **Pharmazie** 31(6):381–2, Jun 76
[Studies on the dispersity of drugs with special reference to suspension ointments. 5. The storage stability of salicylic acid and prednisolone powders] Horsch W, et al. **Pharmazie** 30(6):371–2, Jun 75 **(Ger)**
[Studies on the dispersion of drugs with special regard to suspension ointments. 4. The effectiveness of various pulverizing techniques for salicylic acid and prednisolone] Kögel J, et al. **Pharmazie** 30(5):311–6, May 75 **(Ger)**
[Particle size in suspension ointments with salicylic acid] Gruntová Z, et al. **Cesk Farm** 24(9):370–6, Nov 75 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Treatment of solar keratoses with a 5-fluorouracil and salicylic acid varnish. Goncalves JC. **Br J Dermatol** 92(1):85–8, Jan 75
Do excoriations in psoriasis delay or prevent the effect of topical treatment? Brody I. **J Cutan Pathol** 2(4):163–9, 1975
[Chemical necretomy using a salicylic acid plaster in circumscribed deep burns in childhood] Boiadzhiev Kh, et al. **Khirurgiia (Sofiia)** 28(6):562–5, 1975 (Eng. Abstr.) **(Bul)**

ADVERSE EFFECTS

Salicylanilide photocontact dermatitis. Hazelrigg DE, et al. **Tex Med** 72(1):68–71, Jan 76
[Sensitization of the skin to monobrom-salicylic acid isopropylamide] Tarnick M. **Dermatol Monatsschr** 161(6):459–61, Jun 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Quantitative thin-layer-chromatography. Evaluation of in situ fluorimetric analyses by two point regression (author's transl)] Ebel S, et al. **Arch Pharm (Weinheim)** 308(12):940–6, Dec 75 (Eng. Abstr.) **(Ger)**
[Quantitative determination of the main metabolites of acetylsalicylic acid. 1. A method for the quantitative determination of salicylic acid and its metabolites. Studies in healthy individuals] Pütter J. **Arzneim Forsch** 25(6):941–4, Jun 75 (Eng. Abstr.) **(Ger)**
[Microscopic determination of the coefficient of diffusion of salicylic acid in excipients for ointments] Rodriguez L, et al. **Farmaco [Prat]** 31(3):150–8, Mar 76 (Eng. Abstr.) **(Ita)**
[Differential spectrophotometric determination of salicylic acid derivatives] Tiraspol'skaia SG, et al. **Farmatsiia** 24(1):50–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Multienzyme complexes of fatty acid synthesis and 6-methylsalicylic acid synthesis. pp. 105–31. Lynen F.
In: Keleti T. ed. Mechanism of action and regulation of enzymes. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.32. (44 ref.)

BLOOD

Interaction between salicylic acid and indomethacin in binding to human serum albumin. Hultmark D, et al. **Acta Pharm Suec** 12(3):259–76, 1975
Correlation of serum aspirin esterase activity and half-life of salicylic acid. Trnavský K, et al. **Agents Actions** 5(5):549–52, Dec 75
Quantitative in situ thin-layer chromatography of quinidine and salicylic acid in capillary blood. Christiansen J. **J Chromatogr** 123(1):57–63, 21 Jul 76

METABOLISM

Tissue localization of some teratogens at early and late gestation related to fetal effects. Dencker L. **Acta Pharmacol Toxicol [Suppl] (Kbh)** 39(1):1–131, 1976
The effect of fasting on the rate of intestinal drug absorption in rats: preliminary studies. Orr JM, et al. **Am J Dig Dis** 20(9):858–65, Sep 75
Physiological disposition and metabolism of 5-(2',4'-difluorophenyl)salicylic acid, a new salicylate. Tocco DJ, et al. **Drug Metab Dispos** 3(6):453–66, Nov–Dec 75
Formation of 2,4-dihydroxybenzoic acid & resorcinol as intermediates in the degradation of salicylic acid by Aspergillus nidulans. Ramanarayanan M, et al. **Indian J Exp Biol** 13(4):393–6, Jul 75
Effects of normal alcohols on intestinal absorption of salicylic acid, sulfapyridine, and prednisolone in rats. Hayton WL. **J Pharm Sci** 64(9):1450–6, Sep 75
[Quantitative determination of the main metabolites of acetylsalicylic acid/2nd communication: the concentrations of salicylic acid and its metabolites in patients with renal insufficiency (author's transl)] Daneels R, et al. **Arzneim Forsch** 25(7):1073–7, Jul 75 (Eng. Abstr.) **(Ger)**
[Studies on the absorption of certain slightly water soluble active principles from suspensions and tablets] Kedvessy G, et al. **Pharmazie** 30(7):476–8, Jul 75 **(Ger)**
[On the transfollicular absorption of salicylic acid (author's transl)] Takahashi H, et al. **Jpn J Dermatol [A]** 85(7):413–5, Jun 75 **(Jpn)**

PHARMACODYNAMICS

Effect of prednisolone and salicyclic acid on ionic fluxes across the human stomach. Ivey KJ, et al. **Aust NZ J Med** 5(5):408–12, Oct 75
Prostaglandin E1 high affinity binding sites of rat thymocytes. Specificity and blockade by non-steroidal antiinflammatory drugs and localization in a plasma membrane-enriched fraction. Grunnet I, et al. **Biochim Biophys Acta** 419(2):365–78, 21 Jan 76
Effect of salicyclic acid on gluccorticoid receptor in cultured fibroblasts derived from rat carrageenin granuloma. Koshihara Y, et al. **Biochim Biophys Acta** 437(1):221–8, 23 Jun 76
Studies on the effect of salicylic acid on normal skin. Davies M, et al. **Br J Dermatol** 95(2):187–92, Aug 76
Effects of simultaneous administration of drugs on absorption and excretion. IV. Effect of salicylic acid on antibacterial activity and distribution of sulfadimethoxine in rabbits. Imamura Y, et al. **Chem Pharm Bull (Tokyo)** 22(10):2324–8, Oct 74
Impaired plasma protein binding of phenytoin in uremia and displacement effect of salicylic acid. Odar-Cederlöf I, et al. **Clin Pharmacol Ther** 20(1):36–47, Jul 76
Dermatopharmacology of salicylic acid. II. Epidermal antihyperplastic effect of salicylic acid in animals. Weirich EG, et al. **Dermatologica** 151(6):321–32, 1975
[Pharmacological properties of derivatives of ortho-oxybenzoic (salicylic) acid (review of the literature)] Trinus FP, et al. **Vrach Delo** (3):5–12, Mar 74 **(Rus)**
[Method of stabilizing salicyclic acid] Ruzhitskaia OD, et al. **Farm Zh** 31(3):83–5, May–Jun 76 **(Ukr)**

POISONING

[Chronic percutaneous salicylic acid poisoning] Luderschmidt C, et al. **Hautarzt** 26(12):643–6, Dec 75 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Controlled double-blind study of a corticoid-salicylic acid ointment (EMD 28 828). Gip L, et al. **Curr Ther Res**

18(6):804–11, Dec 75
Dermatopharmacology of salicylic acid. I. Range of dermatotherapeutic effects of salicylic acid. Weirich EG. **Dermatologica** 151(5):268–73, 1975
Dermatopharmacology of salicylic acid. III. Topical contra-inflammatory effect of salicylic acid and other drugs in animal experiments. Weirich EG, et al. **Dermatologica** 152(2):87–99, 1976
Examination on the therapeutic and preventive effect of Phlogosol solution in outpatient service. Gálos G. **Ther Hung** 22(4):180–3, 1974
[Treatment of warts of the hands and feet with Verucid] Auken G, et al. **Ugeskr Laeger** 137(51):3036–8, 15 Dec 75 (Eng. Abstr.) **(Dan)**
[Studies on the penetrability of skin (author's transl)] Przerwa M, et al. **Arzneim Forsch** 25(7):1048–53, Jul 75 (Eng. Abstr.) **(Ger)**
[Comparative studies on the effect of Mobilat geliontophoresis in diseases of the moving apparatus] Plötze B. **Med Monatsschr** 30(2):83–5, Feb 76 **(Ger)**
[Clinical testing of Sali-Decoderm ointment] Weitgasser H. **Munch Med Wochenschr** 118(14):447–8, 2 Apr 76 **(Ger)**

SALINE see **SODIUM CHLORIDE**

SALINE FRAGILITY see **OSMOTIC FRAGILITY**

SALINE SOLUTION, HYPERTONIC see under **SODIUM CHLORIDE**

SALIVA

Affinity for hydroxyapatite of salivary substances inducing aggregation of oral streptococci. Ericson T, et al. **Caries Res** 10(1):8–18, 1976
Relation between idiopathic glossodynia and salivary flow rate and content. Glick D, et al. **Int J Oral Surg** 5(4):161–5, Aug 76
Detrimental effect of in vitro salivary contamination of acid-etched enamel. Meurman JH. **Proc Finn Dent Soc** 72(1):30–2, Feb 76
[Role of salivary lipids in the precipitation of a salivary glycoprotein under the effect of calcium] Belcourt A. **J Biol Buccale** 3(3):179–86, Sep 75 (Eng. Abstr.) **(Fre)**
[Studies in sheep on the secretion and absorption of salivary phosphorus] Potthast V, et al. **Z Tierphysiol** 36(6):334–40, Apr 76 (Eng. Abstr.) **(Ger)**
[Biochemical changes in the saliva] Butureanu E, et al. **Rev Chir [Stomatol]** 22(4):257–62, Oct-Dec 75 (Eng. Abstr.) **(Rum)**
[Effect of saliva on the mechanical properties of filling materials at various hardening periods] Remizov SM, et al. **Stomatologiia (Mosk)** 54(3):25–8, May-Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Some chemical characteristics of human minor salivary gland secretions. Hensten-Pettersen A. **Acta Odontol Scand** 34(1):13–22, 1976
Histochemical and biochemical properties of the labial and palatine glands and their secretions in the Macaca irus and Cercopithecus aethiops monkeys. Hensten-Pettersen A. **Acta Odontol Scand** 34(2):79–88, 1976
A new diagnostic test for pancreatic disorders by examination of parotid saliva. Kakizaki G, et al. **Am J Gastroenterol** 65(5):437–45, May 76
The role of disulfide bonds in maintaining the gel structure of bronchial mucus. Roberts GP. **Arch Biochem Biophys** 173(2):528–37, Apr 76
A sialochemical study on patients with Sjögren's syndrome. Benedek-Spät E, et al. **Arch Oral Biol** 20(10):649–52, Oct 75
Sulphated glycoproteins in rat saliva. Embery G, et al. **Arch Oral Biol** 20(12):843–7, Dec 75
Evidence for absence of ascorbic acid in human saliva. Feller RP, et al. **Arch Oral Biol** 20(9):563–6, Sep 75
Fractionation of human parotid salivary proteins and the isolation of an histidine-rich acidic peptide which shows high affinity for hydroxyapatite surfaces. Hay DI. **Arch Oral Biol** 20(9):553–8, Sep 75
Isoelectric variants of blood-group substance A in human palatine secretion. Hensten-Pettersen A, et al. **Arch Oral Biol** 20(12):827–32, Dec 75
Chemical composition of salivary integuments formed in vivo on solids with some established surface characteristics. Sönju T, et al. **Arch Oral Biol** 20(10):687–91, Oct 75
The identification of a peptide in human parotid saliva particularly active in enhancing the glycolytic activity of the salivary micro-organisms. Holbrook IB, et al. **Biochem J** 149(2):489–92, Aug 75
The identification of sulphated glycoproteins in rat whole saliva. Embery G, et al. **Biochem Soc Trans** 3(5):661–2, 1975
Gas chromatographic mass spectrometric evaluation of free organic acids in human saliva. Ward ME, et al. **Biomed Mass Spectrom** 3(2):77–80, Apr 76
Quantitative gas-chromatographic flame-ionization method for p-chlorophenoxyisobutyric acid in human serum and saliva. Connor JN, et al. **Clin Chem** 22(6):884–8, Jun 76
Sample treatment to prevent calcium loss in saliva electrolyte analysis. Sebesta PA, et al. **Clin Chim Acta** 68(3):309–11, 3 May 76
Antipyrine: radioimmunoassay in plasma and saliva following administration of a high dose and a low dose. Chang RL, et al. **Clin Pharmacol Ther** 20(2):219–26, Aug 76
Basic, proline-rich glycoproteins in the submandibular gland secretion of the Cercopithecus aethiops. Jacobsen N, et al. **Comp Biochem Physiol [B]** 54(3):423–5, 1976
Testosterone in human saliva. Landman AD, et al. **Experientia** 32(7):940–1, 1976
Glycosylated proline-rich peptide of human parotid saliva. Circular dichroism study. Aubert JP, et al. **FEBS Lett** 56(2):263–7, 15 Aug 75
Fibrin plate method with reagents purified by affinity chromatography and its use for determination of fibrinolytic and other proteolytic activity in saliva, bile and plasma. Norén I, et al. **Haemostasis** 4(2):110–24, 1975
The gingivitis iron test. Bühler E, et al. **Helv Odontol Acta** 19(2):54–6, Oct 75
Determination of phenobarbital in human saliva by gas chromatography with electron-capture detection. Gyllenhaal O, et al. **J Chromatogr** 122:471–77, 7 Jul 76
Letter: Precaution in the monitoring of drug levels in saliva: abnormal salicylate levels after oral dosing. Chiou WL, et al. **J Clin Pharmacol** 16(2-3):158–60, Feb-Mar 76
Electrophoretic patterns of parotid fluid proteins from caries-resistant and caries-susceptible individuals. Balekjian AY, et al. **J Dent Res** 54(4):850–6, Jul-Aug 75
Fluoride in dog parotid saliva after intravenous administration of sodium fluoride, sodium monofluorophosphate, and calcium fluoride. Feller RP, et al. **J Dent Res** 54(6):1213–5, Nov-Dec 75
Salivary magnesium levels in pregnant women. Kayavis J, et al. **J Dent Res** 55(4):706, Jul-Aug 76
Fluoride in human parotid saliva. Shannon IL, et al. **J Dent Res** 55(3):506–9, May-Jun 76
Concentration of thiocyanate and ionizable iodine in saliva of smokers and nonsmokers. Tenovuo J, et al. **J Dent Res** 55(4):661–3, Jul-Aug 76
A test paper for detecting saliva stains. Whitehead PH, et al. **J Forensic Sci Soc** 15(1):39–42, Jan 75
A quantitative study on the relationship of salivary blood group substances to periodontal disease. Thaler R, et al. **J Periodont Res** 11(2):116–20, Apr 76
Relations between early dental calculus production and calcium and phosphate parameters of salivary fractions. McGaughey C, et al. **J Periodontol** 46(11):681–4, Nov 75
The identification of saliva in stains in forensic casework. Baxter SJ, et al. **Med Sci Law** 15(1):37–41, Jan 75
Investigations of some salivary glycoproteins and their possible role in pellicle formation. Sonju T. **Nor Tannlaegeforen Tid** 85(10):393–403, Nov 75 (50 ref.)
Salivary studies in alcoholic cirrhosis. Abelson DC, et al. **Oral Surg** 41(2):188–92, Feb 76
Sialochemistry in Sjögren's syndrome. Mandel ID, et al. **Oral Surg** 41(2):182–7, Feb 76
Inhibition of ouabain-sensitive ATPase by the saliva of patients with cystic fibrosis of the pancreas. Cole CH, et al. **Pediatr Res** 9(10):763–6, Oct 75
Compliance of chronic asthmatics with oral administration of theophylline as measured by serum and salivary levels. Ency RD, et al. **Pediatrics** 57(4):513–7, Apr 76
pH and bicarbonate excretion in the rat parotid gland as a function of salivary rate. Sommer HM, et al. **Pfluegers Arch** 355(4):353–60, 2 Apr 75
Studies on vitamin B12 binding proteins in human saliva. Kumar S, et al. **Proc Soc Exp Biol Med** 151(1):212–4, Jan 76
Polyacrylamide gel electrophoresis of twin and nontwin parotid salivary proteins. Smith QT, et al. **Proc Soc Exp Biol Med** 151(3):535–8, Mar 76
Interactions between drugs and saliva-stimulating parafilm and their implications in measurements of saliva drug levels. Chang K, et al. **Res Commun Chem Pathol Pharmacol** 13(2):357–60, Feb 76
Detection and identification of delta 8- and delta 9-tetrahydrocannabinol in saliva of man and autoradiographic investigation of their distribution in different organs of the monkey. Just WW, et al. **Strahlentherapie [Sonderb]** 74:90–7, 1975
[Measurement of oral pH, a clinical test in current practice. Diagnostic significance] Laudenbach P, et al. **Actual Odontostomatol (Paris)** (108):715–25, Dec 74 (Eng. Abstr.) **(Fre)**
[Radio-immunological determination of the prostaglandins E1 of the mouth] Duran D. **Bull Group Ear Rech Sci Stomatol Odontol** 18(1-2):37–49, Jan-Apr 75 (Eng. Abstr.) **(Fre)**
[Recurrent degradation by glycosidases from Canavalia ensiformis of the polysaccharidic bond of a glycoprotein isolated from human parotid saliva] Boersma A, et al. **C R Acad Sci [D] (Paris)** 279(12):1031–4, 16 Sep 74 **(Fre)**
[Determination of the phenobarbital content in the saliva of epileptic patients] Loiseau P, et al. **Nouv Presse Med** 5(8):492–4, 21 Feb 76 **(Fre)**
[Letter: Value and limitation of assays of lithium in the saliva] Singlas E, et al. **Nouv Presse Med** 5(23):1488, 5 Jun 76 **(Fre)**
[The normal distribution of human parotid salivary proteins according to disc electrophoresis in alkaline and acidic gel systems] Meyer P, et al. **Laryngol Rhinol Otol (Stuttg)** 54(12):965–9, Dec 75 (Eng. Abstr.) **(Ger)**
[The albumin content of parotid saliva in regard to age (author's transl)] Meyer P, et al. **Laryngol Rhinol Otol (Stuttg)** 54(7):551–3, Jul 75 (Eng. Abstr.) **(Ger)**
[Immunoelectrophoretic study of salivary proteins] Backhausz VR, et al. **Stomatol DDR** 25(4):256–9, Apr 75 (Eng. Abstr.) **(Ger)**
[Level of secretory IgA in parotid saliva and serum concentrations of IgA, IgG, and IgM in patients with rheumatoid arthritis and in healthy subjects] Luft S, et al. **Reumatologia** 14(2):165–74, 1976 (Eng. Abstr.) **(Pol)**
[Salivary ionograms at simulated altitude] Ionescu C, et al. **Rev Chir [Stomatol]** 22(2):81–4, Apr-Jun 75 (Eng. Abstr.) **(Rum)**
[Influence of salivary kallikreins on microvessels of the hamster cheek pouch and rat mesentery] Barabash RD, et al. **Biull Eksp Biol Med** 82(7):782–5, Jul 76 (Eng. Abstr.) **(Rus)**
[Protein fractions of human saliva] Pozharitskaya MM, et al. **Stomatologiia (Mosk)** 54(5):14–7, Sep-Oct 75 (Eng. Abstr.) **(Rus)**
[Comparative characteristics of individual components of mixed saliva] Shirobokova VG, et al. **Stomatologiia (Mosk)** 54(3):22–5, May-Jun 75 (Eng. Abstr.) **(Rus)**
[Expert's tactics in some particular cases of the study of saliva] Barsegiants LO. **Sud Med Ekspert** 18(3):20–4, Jul-Sep 75 (Eng. Abstr.) **(Rus)**
[Excretion of total 17-ketosteroids and their fractions by salivary glands in patients with bronchial asthma] Sergovskaia ET. **Vrach Delo** (5):25–7, May 75 (Eng. Abstr.) **(Rus)**
[Study of certain biochemical indicators of the saliva and their relation to dental caries susceptibility in sportsmen before and after physical exertion] Kadzhoian VS. **Zh Eksp Klin Med** 15(6):91–8, 1975 **(Rus)**
[A comparison of several components of saliva in dogs with artificially induced neurodystrophic processes in the parodontium] Fuhol' OM, et al. **Fiziol Zh** 21(4):518–22, Jul-Sep 75 (Eng. Abstr.) **(Ukr)**

ANATOMY & HISTOLOGY

[The role of sialochemical studies in the diagnosis of Sjögren syndrome] Benedek E, et al. **Orv Hetil** 116(48):2822–5, 30 Nov 75 **(Hun)**

CYTOLOGY

Comparison of the morphology and viability of human salivary and blood leukocytes. Lantzman E, et al. **J Periodontol** 47(2):72–8, Feb 76
[Cytochemical determination of DNA in salivary cells of patients with oral cancer] Danielewiczowa K. **Czas Stomatol** 29(1):25–31, Jan 76 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Proceedings: Effects of furosemide on the flow rate and composition of human saliva. Crook M, et al. **J Physiol (Lond)** 257(1):60P, May 76
Digoxin effect on salivary electrolytes. Vieweg WV, et al. **Md State Med J** 24(11):61–3, Nov 75
[The effect of a toothpaste containing a wetting agent on the hydrogen-ion concentration of fasting whole saliva] Albers HK. **ZWR** 85(9):426–30, 10 May 76 **(Ger)**

ENZYMOLOGY

Human saliva peroxidase: microanalytical isoelectric fractionation and properties in normal persons and in cases with neuronal ceroid-lipofuscinosis. Pilz H, et al. **Clin Biochem** 9(2):85–8, Apr 76
Esterases in human saliva. Lindqvist L, et al. **Enzyme** 20(5):277–91, 1975
Evidence for lipolytic activity of human saliva. Kovačev VP, et al. **God Zb Med Fak Skopje** 20:5–12, 1974
Saliva acid phosphatases: genetic studies. Tan SG, et al. **Hum Hered** 26(2):81–9, 1976
An autosomal glucose-6-phosphate dehydrogenase (hexose-6-phosphate dehydrogenase) polymorphism in human saliva. Tan SG, et al. **Hum Hered** 26(2):113–23, 1976
Human saliva esterases: genetic studies. Tan SG. **Hum Hered** 26(3):207–16, 1976
Alkaline phosphatase, arylsulfatase and beta-glucuronidase in saliva of cyclic women. Boyer KG, et al. **Int J Fertil** 21(1):43–8, 1976
Xylitol-induced increase of lactoperoxidase activity. Mäkinen KK, et al. **J Dent Res** 55(4):652–60, Jul-Aug 76
Some properties of uridine 5'-diphosphogalactose: N-acetylglucosamine galactosyltransferase in human parotid saliva. Nakamura R, et al. **J Dent Res** 54(4):808–13, Jul-Aug 75
Differential expression of salivary (Amy1) and pancreatic (Amy2) human amylase loci in prenatal and postnatal development. Tye JG, et al. **J Med Genet** 13(2):96–102, Apr 76
Variations of salivary amylase as a test of internal irradiation in man. Zamfirescu-Gheorghiu M, et al. **Rev Roum Med [Med Intern]** 13(2):115–8, 1975
A rapid method for separation and detection of human salivary amylase isoenzymes by isoelectric focusing in polyacrylamide gel. Wadström T, et al. **Scand J Dent Res** 84(4):234–9, Jul 76
Salivary amylase in duodenal aspirates. Skude G, et al. **Scand J Gastroenterol** 11(1):17–20, 1976
[Simultaneous determination of lysozyme and IgA-content in human parotid saliva, compared with flow-rate and totalprotein-secretion during rest and stimulation (author's transl)] Eichner H, et al. **Laryngol Rhinol Otol (Stuttg)** 54(7):554–65, Jul 75 (Eng. Abstr.) **(Ger)**

[Salivary and duodenal amylase production in patients with chronic hepatic diseases (author's transl)] Gladisch R, et al. **Med Klin** 71(9):373–7, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Amylase activity in the parotid saliva in acute and chronic pancreatitis during rest and following stimulation with secretin and pancreozymin] Grimmel K, et al. **Z Gastroenterol** 14(2):245–6, Mar 76 **(Ger)**

[Salivary enzyme activity in disorders of the parotid gland] Zohar J, et al. **Harefuah** 88(12):555–60, 15 Jun 75 (Eng. Abstr.) **(Heb)**

[Lysozyme in human saliva in various physiological conditions] Kunicka D, et al. **Czas Stomatol** 28(12):1147–54, Dec 75 (Eng. Abstr.) **(Pol)**

[Enzymes of mixed saliva and of the oral mucosa in acrylic stomatitis] Zhnivin IuE, et al. **Stomatologiia (Mosk)** 54(6):30–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Study of the enzymatic system of proteolysis in the saliva of patients with chronic tonsillitis] Veremeenko KN, et al. **Vestn Otorinolaringol** (6):13–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Isolation and properties of 2 kallikreins from human saliva] Vovchuk SV, et al. **Vopr Med Khim** 21(6):622–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

IgA levels and carrier rate of Haemophilus influenzae and beta-haemolytic streptococci in children undergoing tonsillectomy. Ostergaard PA.
Acta Pathol Microbiol Scand [C] 84(4):290–8, Aug 76

Observations of absorption of immunolactoglobulins in calves. Balbierz H, et al.
Arch Immunol Ther Exp (Warsz) 24(1):55–62, 1976

Immunogenic properties of human and rabbit salivary albumin. Brandtzaeg P, et al. **Arch Oral Biol** 21(1):69–71, 1976

Immunoglobulins in parotid saliva and serum in relation to dental caries in man. Challacombe SJ. **Caries Res** 10(3):165–77, 1976

Effect of salivary agglutinins of reactions between hydroxyapatite and a serotype c strain of Streptococcus mutans. Magnusson I, et al. **Caries Res** 10(4):273–86, 1976

Immunochemical assay of saliva parotin A. Shinoda M, et al. **Chem Pharm Bull (Tokyo)** 22(11):2732–4, Nov 74

Salivary immunoglobulins in a patient with IgA deficiency. Coelho IM, et al. **Clin Exp Immunol** 17(4):685–9, Aug 74

Analytical study of salivary immunoglobulins in multiple myeloma. Coelho IM, et al. **Clin Exp Immunol** 17(3):417–26, Jul 74

Salivary immunoglobulins in a patient with IgA deficiency. Coelho IM, et al. **Clin Exp Immunol** 17(4):685–9, Aug 74

Analytical study of salivary immunoglobulins in multiple myeloma. Coelho IM, et al. **Clin Exp Immunol** 17(3):417–26, Jul 74

Immunoconglutinins and C3 in human saliva. Williams BD, et al. **Clin Exp Immunol** 19(3):423–3, Mar 75

Human secretory immunoglobulin M. An immunochemical and immunohistochemical study. Brandtzaeg P.
Immunology 29(3):559–70, Sep 75

Demonstration of human salivary antibodies by latex spheres as immunologic markers. pp. 67–74. Riviere GR, et al.

In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Immunoglobulins A, G, and M in serum and in some secretions of monkeys (Macaca fascicularis syn. irus). Cole MF, et al. **Infect Immun** 13(5):1354–9, May 76

Sequential appearance of salivary antibodies after oral immunization of axenic mice. Ebersole JL, et al.
Infect Immun 12(2):353–9, Aug 75

Specificity of secretory antibodies to bacterial immunogens. Ebersole JL, et al. **Infect Immun** 13(1):53–62, Jan 76

Serum and salivary antibodies to cariogenic bacteria in man. Challacombe SJ, et al. **J Dent Res** 55 Spec No:C139–48, Apr 76

Immunization of Macaca fascicularis (Macaca irus) monkeys with Streptococcus mutans: specificity of antibody responses in saliva. Emmings FG, et al. **J Dent Res** 55 Spec No:C181–92, Apr 76

Two immunochemically and physicochemically distinct secretory components from rat exocrine secretion. Cambier JC, et al. **J Immunol** 116(4):994–9, Apr 76

Salivary IgG and IgA before and after periodontal therapy. A preliminary report. Basu MK, et al. **J Periodont Res** 11(4):226–9, Jul 76

Letter: Salivary antibody response to oral vaccine. Drake CH, et al. **Lancet** 2(7935):614–5, 27 Sep 75

Anti–C3 antibodies in neonatal saliva. Price JF, et al.
Nature 257(5522):146–7, 11 Sep 75

Alpha-adrenergic regulation of the secretion of an anticomplementary factor in mouse saliva. Wallace LJ, et al. **Proc Soc Exp Biol Med** 152(1):99–104, May 76

Effect of antiepileptic drugs on serum and salivary IgA. Aarli JA, et al. **Scand J Immunol** 4(4):391–6, 1975

Presence of hepatitis B antigen in the saliva of viral hepatitis patients. Vâță A, et al. **Virologie** 26(2):141–5, 1975

[Immunoglobulin and electrolyte levels in sialadenosis of the parotid (author's transl)] Proescher HJ. **HNO** 23(3):68–71, Mar 75 (Eng. Abstr.) **(Ger)**

[The immunglobulin-content of human parotid saliva (author's transl)] Ruhwinkel B, et al.
Laryngol Rhinol Otol (Stuttg) 54(4):361–5, Apr 75 (Eng. Abstr.) **(Ger)**

[Immunoglobulin-secretion capacity in splenectomized and nonsplenectomized patients with Hodgkin's disease, determined in saliva] Gunzer U, et al.
Verh Dtsch Ges Inn Med 81:1596–9, 1975 **(Ger)**

[Quantitative determination of immunoglobulins in the saliva. Comparative studies in squamous cell carcinomas of the mouth mucosa] Müller A, et al.
Zahn Mund Kieferheilkd 64(1):3–6, 1976 (Eng. Abstr.) **(Ger)**

[Relation to so-called V–v blood group to salivary IgA level] Gohara K. **Acta Med (Fukuoka)** 45(4):222–35, Oct 75 (Eng. Abstr.) **(Jpn)**

[Role of humoral and salivary immunoglobulins in the etiopathogenesis of progressive periodontal disease] Lazarevska B, et al. **God Zb Med Fak Skopje** 20:87–96, 1974 (Eng. Abstr.) **(Ser)**

[Quantitative study of immunoglobulins A and G in the salivary secretion of asthmatic patients] Frouchtman R, et al. **Allergol Immunopathol (Madr)** 3(4):205–14, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

[Idiopathic pulmonary hemosiderosis without IgA secretion] Lagomarsino E, et al. **Rev Chil Pediatr** 46(2):129–34, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

METABOLISM

Salivary phosphate as an indicator of ovulation. Ben-Aryeh H, et al. **Am J Obstet Gynecol** 125(6):871–4, 15 JUl 76

The binding of calcium to a salivary phosphoprotein, protein A, common to human parotid and submandibular secretions. Bennick A. **Biochem J** 155(1):163–9, 1 Apr 76

Phenytoin and phenobarbital concentrations in saliva and plasma measured by radioimmunoassay. Cook CE, et al. **Clin Pharmacol Ther** 18(06):742–7, Dec 75

Salivary excretion of amobarbital in man. Inaba T, et al.
Clin Pharmacol Ther 18(5 Pt 1):558–62, Nov 75

Studies on the disposition of antipyrine, aminopyrine, and phenacetin using plasma, saliva, and urine. Vesell ES, et al. **Clin Pharmacol Ther** 18(3):259–72, Sep 75

Elimination of antipyrine from saliva as a measure of metabolism in man. Welch RM, et al.
Clin Pharmacol Ther 18(3):249–58, Sep 75

Studies on the nature of complexes formed by copper with human alimentary secretions and their influence on copper absorption in the rat. Gollan GL. **Clin Sci Mol Med** 49(3):237–45, Sep 75

The effect of sorbose on pH of mixed saliva and interproximal plaque. Mühlemann HR, et al. **Helv Odontol Acta** 19(2):76–80, Oct 75

Simultaneous pH and fluoride telemetry. A supplemental report. Shields WF, et al. **Helv Odontol Acta** 19(2):72–5, Oct 75

Circadian and circannual maps for human saliva. pp. 224–7. Dawes C.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Activity of two Streptococcus mutans bacteriocins in the presence of saliva, levan, and dextran. Delisle AL.
Infect Immun 13(2):619–26, Feb 76

Observations on calcium-induced stability of salivary proteins in a lipid-extraction system. Johnson AR.
J Dent Res 55(3):470–5, May–Jun 76

Comparison between sucrose and lactulose in a suspended salivary system. Mäkinen KK, et al. **J Dent Res** 54(6):1244, Nov–Dec 75

Excretion of barbiturates into induced parotid saliva of the rat. Piraino AJ, et al. **J Dent Res** 55(1):43–7, Jan–Feb 76

Effect of salivary pellicle on enamel subsurface demineralization in vitro. Zahradnik RT, et al.
J Dent Res 55(4):664–70, Jul–Aug 76

Sarcoidosis with salivary gland involvement: biochemical studies on parotid saliva. Beeley JA, et al.
J Lab Clin Med 88(2):276–81, Aug 76

Salivary alterations in diabetes mellitus. Marder MZ, et al.
J Periodontol 46(9):567–9, Sep 75

Relationship between quinidine plasma and saliva levels in humans. Jaffe JM, et al. **J Pharm Sci** 64(12):2028–9, Dec 75

pH-dependent secretion of procainamide into saliva. Koup JR, et al. **J Pharm Sci** 64(12):2008–10, Dec 75

Plasma and salivary concentrations of isoniazid in man: preliminary findings in two slow acetylator subjects. Boxenbaum HG, et al. **J Pharmacokinet Biopharm** 3(6):443–56, Dec 75

A study of the mechanism of transport of diphenylhydantoin in the rat submaxillary gland in vitro. Allen MA, et al.
J Pharmacol Exp Ther 197(2):408–13, May 76

Colloid and crystal formation in parotid saliva of cystic fibrosis patients and non-cystic fibrosis subjects. I. Physicochemistry. Allars HM, et al. **Pediatr Res** 10(6):578–84, Jun 76

Colloid and crystal formation in parotid saliva of cystic fibrosis patients and non-cystic fibrosis subjects. II. Electron microscopy and electrophoresis. Allars HM, et al. **Pediatr Res** 10(6):584–94, Jun 76

The composition and flow of parotid saliva during acute hyperkalaemia in sodium-deficient sheep. Beal AM, et al. **Q J Exp Physiol** 60(4):315–23, Oct 75 Wishnok JS, et al. **Science** 191(4232):1179–80, 19 Mar 76

Effect of anticonvulsant drugs on the drug metabolism in man as measured by the elimination rate of antipyrine from saliva. Farmer TW, et al. **Trans Am Neurol Assoc** 100:190–1, 1975

[Increased cAMP excretion in the saliva, the 'second messenger' of beta-adrenergic signal exchange, in etiologically different forms of hypertension] Schmid G, et al. **Verh Dtsch Ges Inn Med** 81:1068–71, 1975 **(Ger)**

[Salivary electrolytes and serum digoxin in the Assessment of digitalis intoxication (author's transl)] Weissel M, et al. **Wien Klin Wochenschr** 88(14):455–8, 16 Jul 76 (Eng. Abstr.) **(Ger)**

[Total protein and immunoglobulin level in the saliva of pregnant women] Donat H. **Zentralbl Gynaekol** 97(26):1641–6, 1975 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Haemophili and related bacteria in the human oral cavity. Kilian M, et al. **Arch Oral Biol** 20(12):791–6, Dec 75

Comparative biochemical investigations on the degradation of sugars and sugar alcohols by microorganisms of the oral cavity. Gülzow HJ. **Int J Vitam Nutr Res** (15):348–57, 1975

Sensitivity of bhk-21 cells supplemented with diethylaminoethyl-dextran for detection of street rabies virus in saliva samples. Larghi OP, et al.
J Clin Microbiol 1(3):243–5, Mar 75

The reaction of salivary substances with bacteria. Ericson T, et al. **J Oral Pathol** 4(6):307–23, Dec 75

Two years oral use of chlorhexidine in man. III. Changes in sensitivity of the salivary flora Schiott CR, et al.
J Periodont Res 11(3):153–7, Jun 76

Two year oral use of chlorhexidine in man. II. The effect on the salivary bacterial flora Schiott CR, et al.
J Periodont Res 11(3):145–52, Jun 76

Infectious mononucleosis. Epstein-Barr-virus shedding in saliva and the oropharynx. Niederman JC, et al.
N Engl J Med 294(25):1355–9, 17 Jun 76

[Herpes simplex virus in the saliva of immunosuppressed patients (author's transl)] Ruffault A, et al.
Pathol Biol (Paris) 24(1):37–9, Jan 76 (Eng. Abstr.) **(Fre)**

[Excretion of hepatitis B antigen in the saliva and urine during acute type-B virus hepatitis] Kley R, et al.
Verh Dtsch Ges Inn Med 81:1356–8, 1975 **(Ger)**

[Studies of oral microbiocenosis. I. Incidence and properties of staphylocci in young persons] Sefer M, et al.
Rev Ig [Bacteriol] 20(4):219–30, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

PHYSIOLOGY

Inhibition of calcium phosphate precipitation by human salivary secretions. Gron P, et al. **Arch Oral Biol** 21(3):201–5, 1976

Haemagglutinating activity of Leptotrichia buccalis cells and their adherence to saliva-coated enamel powder. Kondo W, et al. **Arch Oral Biol** 21(6):363–9, 1976

Electrochemical behavior of some commercial dental amalgams in artificial saliva. Cahoon JR, et al.
Biomater Med Devices Artif Organs 3(4):411–27, 1975

The role of saliva in the control of pH changes in human dental plaque. Edgar WM. **Caries Res** 10(4):241–54, 1976

Salivary proteins and the development of dental plaque. Kraus FW, et al. **J Dent Res** 55 Spec No:C149–52, Apr 76

Nonimmunologic aspects of caries resistance. Mandel ID.
J Dent Res 55 Spec No:C22–31, Apr 76 (75 ref.)

Inhibition of streptococcal adherence by human oral secretions and its possible relationship to dental caries. Olson GA. **J Dent Res** 55 Spec No:C121–6, Apr 76

The effect of bilateral ligation of the parotid duct on phosphorus, sodium and potassium metabolism and acid-base balance in the goat. Sato H. **Jpn J Vet Sci** 37(2):155–64, Apr 75

Suckling in newborn rats: eliminated by nipple lavage, reinstated by pup saliva. Teicher MH, et al. **Science** 193(4251):422–5, 30 Jul 76

[Fibrinolysis in the oral cavity] Riobóo R.
Rev Stomatol Chir Maxillofac 77(2):287–8, Mar 76 **(Fre)**

RADIATION EFFECTS

Radiation-induced xerostomia in cancer patients. Effect on salivary and serum electrolytes. Dreizen S, et al.
Cancer 38(1):273–8, Jul 76

Effects of irradiation on saliva in cancer patients. Ben-Aryeh H, et al. **Int J Oral Surg** 4(5):205–10, Oct 75

SECRETION

Influence of altered CSF solute composition on parotid salivary secretion in goats. Olsson K.
Acta Physiol Scand 97(2):196–201, Jun 76

Secretory and motor effects in the submaxillary gland of the rat on intraarterial administration of some polypeptides and autonomic drugs. Thulin A. **Acta Physiol Scand** 97(3):343–8, Jul 76

Salivary secretion in three species of tsetse flies (Glossinidae). Youdeowei A. **Acta Trop (Basel)** 32(2):166–71, 1975

Secretion of K and fluid by rat submaxillary during sympathetic nerve stimulation. Schneyer LH.
Am J Physiol 229(4):1056–61, Oct 75

Circadian variations in pilocarpine and isoprenaline-induced protein secretion by rat parotid gland. Abe K, et al.
Arch Oral Biol 20(8):543–6, Aug 75

The effect of food deprivation on the circadian rhythms in flow rate and protein concentration in human parotid saliva. Dawes C. **Arch Oral Biol** 20(8):547–9, Aug 75

Secretion of parotid IgA in relation to gingival inflammation and dental caries experience in man. Orstavik D, et al.

Arch Oral Biol 20(11):701–4, Nov 75

The association of blood groups, ABH secretion, haptoglobins and hemoglobins with filariasis. Ayres M, et al. **Hum Hered** 26(2):105–9, 1976

Near-constant methacholine-induced parotid flow in the dog. Dowd FJ Jr, et al. **J Dent Res** 54(4):911, Jul–Aug 75

The class-specific immunoglobulin composition of fluids obtained from various levels of the canine respiratory tract. Kaltreider HB, et al. **J Immunol** 116(2):423–9, Feb 76

Studies on the dopamine–evoked parotid saliva in the rabbit. Murakami H, et al. **J Nihon Univ Sch Dent** 16(4):95–8, Dec 74

Proceedings: Reflex inhibition of parotid salivary secretion from the portal venous system of sheep. Carr DH. **J Physiol (Lond)** 251(1):15P–16P, Sep 75

Partial dissociation between salivary secretion and active potassium transport in the perfused cat submandibular gland. Laugesen LP, et al. **Pfluegers Arch** 364(2):167–73, 30 Jul 76

Saliva stimulation in dogs with permanent duct fistulae. Yankell SL, et al. **Pharmacol Ther Dent** :183–90, 1975

Changing attitudes on salivary secretion – a short history on spit. Garrett JR. **Proc R Soc Med** 68(9):553–60, Sep 75

[Effects of adrenergic agents on secretion of salivary kallikrein in the submandibular gland of the dog] Hayashi T, et al. **Folia Pharmacol Jpn** 71(6):527–38, Sep 75 (Eng. Abstr.) **(Jpn)**

SALIVARY DUCT CALCULI

[Submandibular sialoliths] Esser RJ, et al. **Ned Tijdschr Geneeskd** 120(19):817–21, May 76 (Eng. Abstr.) **(Dut)**

[Lithiasis of the submandibular and the sublingual glands. Pathogenesis, clinical aspects and therapy of sialolithiasis] Berthold H, et al. **Zahn Mund Kieferheilkd** 62(6):513–22, 1974 **(Ger)**

[A case of large calculus of the submandibular gland] Koumoura F. **Stomatologia (Athenai)** 32(3):157–62, May–Jun 75 (Eng. Abstr.) **(Gre)**

COMPLICATIONS

[Bilateral submandibular sialolithiasis] Reczyk J, et al. **Czas Stomatol** 28(12):1193–7, Dec 75 **(Pol)**

DIAGNOSIS

[Submaxillary salivary calculus in children (author's transl)] Reuther J, et al. **Klin Paediatr** 188(3):285–8, May 76 (Eng. Abstr.) **(Ger)**

[Sialolithiasis of the submandibular salivary gland] Stojanovski LJ, et al. **Med Pregl** 28(11–12):513–6, 1975 **(Ser)**

ETIOLOGY

[Bilateral formation of calculi in the parotid gland] Schubert J. **Stomatol DDR** 26(4):265–8, Apr 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Salivary lithiasis in children. Considerations of 12 cases] Timosca G, et al. **Rev Stomatol Chir Maxillofac** 77(2):341–6, Mar 76 **(Fre)**

[Sialolithiasis in minor salivary glands. Case report] Hurlen B, et al. **Nor Tannlaegeforen Tid** 86(4–1):148–53, Apr 76 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Crystalline structure of salivary calculi. A microradiographic and microdiffractometric study. Anneroth G, et al. **J Oral Pathol** 4(5):266–72, Nov 75

Sialolithiasis: the radiolucent ones. Langlais RP, et al. **Oral Surg** 40(5):686–90, Nov 75

[Ectopic sialoliths (author's transl)] Steinmann EP. **Praxis** 64(3):69–72, 21 Jan 75 (Eng. Abstr.) **(Ger)**

SURGERY

[Surgical treatment method of sialolithiasis of the parotid gland] Solov'ev MM, et al. **Stomatologiia (Mosk)** 54(4):46–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

SALIVARY GLAND DISEASES

Salivary gland disease. Chisholm DM, et al. **Br Med Bull** 31(2):156–8, May 75 (17 ref.)

[Branchiogenic parotid cysts] Černý L, et al. **Stomatol DDR** 26(2):130–5, Feb 76 **(Ger)**

[Tuberculosis of the parotid gland] Pop V, et al. **Rev Chir [Otorinolaringol]** 20(2):119–22, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Sialoadenosis produced by drug-treatment of hypertonicity. II. Experimental studies on the effects of guanethidine (Ismelin) on the submaxillary glands of the rat. Arglebe C, et al. **Arch Otorhinolaryngol (NY)** 211(4):259–65, 30 Dec 75

[Sialoadenosis produced by drug-treatment of hypertonicity. I. Experimental studies on the effects of guanethidine (Ismelin) on the parotid glands of the rat (author's transl)] Chilla R, et al. **Arch Otorhinolaryngol (NY)** 211(3):185–92, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[Ultrastructure changes of autonomic nerves in the rat parotid gland following ethionine administration. A contribution on the etiology of dystrophic metabolic sialadenosis] Donath K. **Verh Dtsch Ges Pathol** 59:571, 1975 **(Ger)**

DIAGNOSIS

Radiosialometry. II. The diagnostic accuracy of different evaluation parameters. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(1–2):141–9, Jan–Feb 76

Radiosialometry. I. A method for evaluation of salivary gland disorders. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(1–2):130–40, Jan–Feb 76

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **Am J Surg** 132(03):89–91, Sep 76

Necrotizing sialometaplasia. Report of a case. Myers EN, et al. **Arch Otolaryngol** 101(10):628–9, Oct 75

The diagnostic value of sialography and scintigraphy in salivary gland diseases. Schmitt G, et al. **Br J Radiol** 49(580):326–9, Apr 76

Acinic cell carcinoma of the parotid salivary gland presenting as a cyst. Report of two cases. Hanson TA. **Cancer** 36(2):570–5, Aug 75

Radioisotopes used in ORL diagnosis. Andreevski A, et al. **God Zb Med Fak Skopje** 20:215–21, 1974

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **J Can Assoc Radiol** 27(2):89–91, Jun 76

[The latest methods of salivary gland disease investigation (author's transl)] Sazama L. **Cas Lek Cesk** 114(52):1616–20, 26 Dec 75 (Eng. Abstr.) **(Cze)**

[Radiosialography, a dynamic study of the salivary glands by 99m Tc-pertechnetate] Peyrin JO, et al. **Int J Nucl Med Biol** 3(2):59–64, Apr 76 (Eng. Abstr.) **(Fre)**

[Sialography and scintigraphy in the study of the salivary glands] Putti G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:459–61, 1975 **(Fre)**

[Enlarged submaxillary glands] Gandon J. **Probl Actuels Otorhinolaryngol** :261–71, 1973 **(Fre)**

[Possibilities and limits of salivary gland scanning with the scintillation camera (author's transl)A1 Jung H, et al. **Laryngol Rhinol Otol (Stuttg)** 55(1):42–8, Jan 76 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[On a biochemical model of neurogenic sialosis: studies in rats (author's transl)] Arglebe C, et al. **Laryngol Rhinol Otol (Stuttg)** 54(7):542–50, Jul 75 (Eng. Abstr.) **(Ger)**

ETIOLOGY

The influence of guanoxane on the submaxillary glands of rats. Another model of neurogenic sialoses. Arglebe C, et al. **Acta Otolaryngol (Stockh)** 81(5–6):507–12, May–Jun 76

Transient submandibular swelling following esophagogastroduodenoscopy. Gordon MJ. **Am J Dig Dis** 21(6):507–8, Jun 76

Parotid gland swelling developing during peroral endoscopy. Slaughter RL. **Gastrointest Endosc** 22(1):38–9, Aug 75

Letter: Idiopathic cervical infections in children. Miller J. **J Dent Child** 42(5):342, Sep–Oct 75

[The salivary glands during rheumatoid arthritis] Simon L, et al. **Rev Rhum Mal Osteoartic** 43(3):185–92, Mar 76 (Eng. Abstr.) **(Fre)**

[Sialadenitis in a boy with anorexia nervosa] Kriens O, et al. **Dtsch Zahnaerztl Z** 30(8):547–51, Aug 75 (Eng. Abstr.) **(Ger)**

[Autoimmune lesions of the salivary glands] Cruickshank AH. **Recent Prog Med (Roma)** 58(4):451–68, Apr 75 (Eng. Abstr.) **(Ita)**

[Rheumatoid disease, pancreas and salivary glands] Grimaldi MG, et al. **Reumatismo** 26(4):234–46, Oct–Dec 74 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Experimental induction of immune sialadenitis in guinea-pigs using different adjuvants. Whaley K, et al. **Clin Exp Immunol** 17(4):681–4, Aug 74

Experimental induction of immune sialadenitis in guinea-pigs using different adjuvants. Whaley K, et al. **Clin Exp Immunol** 17(4):681–4, Aug 74

[Immunoglobulin and electrolyte levels in sialadenosis of the parotid (author's transl)] Proescher HJ. **HNO** 23(3):68–71, Mar 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Electrolyte concentration in the hypertrophic salivary glands of incisor-amputated rats. Fava-de-moraes F, et al. **J Biol Buccale** 4(1):21–8, Mar 76

Sarcoidosis with salivary gland involvement: biochemical studies on parotid saliva. Beeley JA, et al. **J Lab Clin Med** 88(2):276–81, Aug 76

PATHOLOGY

Letter: Sialometaplasia. Batsakis JG. **Arch Otolaryngol** 102(3):191, Mar 76

Necrotizing sialometaplasia of the palate. Bannayan G, et al. **J Oral Surg** 34(8):727–30, Aug 76

Necrotizing sialometaplasia: report of three cases. Marciani RD, et al. **J Oral Surg** 34(8):722–6, Aug 76

Minor salivary gland lesion presenting clinically as tumor. Devildos LR, et al. **Oral Surg** 41(5):657–9, May 76

[Glandular cheilitis. Case report] Hepso HU, et al. **Nor Tannlaegeforen Tid** 86(6):255–8, Jun 76 **(Nor)**

[Histological characteristics of chronic nonspecific sialoadenites] Panikarovskiĭ VV, et al. **Stomatologiia (Mosk)** 54(6):21–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Experimental studies on the pathophysiological changes in the pancreas of rat following bilateral ligation of the parotid gland duct. Kakizaki G, et al. **Tohoku J Exp Med** 118(4):331–48, Apr 76

RADIOGRAPHY

[Sialography and sialotomography] Grimalt AM, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:458–9, 1975 **(Fre)**

[Radiologic diagnosis of diseases of the salivary glands (author's transl)] Eckel H, et al. **Roentgenblaetter** 28(9):436–9, Sep 75 **(Ger)**

SURGERY

Some aspects of salivary gland disorders. Kenefick JS. **Proc R Soc Med** 68(5):283–5, May 75

VETERINARY

Keratoconjunctivitis associated with sialodacryoadenitis in rats. Lai YL, et al. **Invest Ophthalmol** 15(7):538–41, Jul 76

Symposium on surgical techniques in small animal practice. Surgical treatment of salivary mucocele. Hoffer RE. **Vet Clin North Am** 5(3):333–41, Aug 75

Pathogenesis of sialodacryoadenitis in gnotobiotic rats. Jacoby RO, et al. **Vet Pathol** 12(3):196–209, 1975

SALIVARY GLAND FISTULA

CONGENITAL

[2 cases of prolonged undiagnosed complications of congenital parotid fistulas] Zadorozhnikov GK. **Zh Ushn Nos Gorl Bolezn** (6):87–8, Nov–Dec 75 **(Rus)**

ETIOLOGY

A traumatic fistula of the submandibular gland. de Geus JJ, et al. **Br J Plast Surg** 29(2):196–8, Apr 76

SURGERY

Tympanic neurectomy for parotid fistula. Mandour MA, et al. **Arch Otolaryngol** 102(6):327–9, Jun 76

Treatment of sialocele: an experimental study in dogs. Langenbrunner DJ. **Trans Am Acad Ophthalmol Otolaryngol** 80(4 Pt 1):375–81, Jul–Aug 75

SALIVARY GLAND NEOPLASMS

Adenoid cystic carcinoma of submaxillary gland metastatic to great toe. Weitzner S. **Am Surg** 41(10):655–8, Oct 75

Salivary gland carcinoma of the palate. Walker WE, et al. **J Oral Surg** 33(12):936–41, Dec 75

[Tumors of the accessory salivary glands. Study of 116 cases] Brocheriou C, et al. **Arch Anat Pathol (Paris)** 23(2):117–22, Jun 75 (Eng. Abstr.) **(Fre)**

[Warthin's tumor] Kubiczkowa J, et al. **Pol Tyg Lek** 30(43):1801–2, 27 Oct 75 **(Pol)**

[Remarks on a case of salivary adenochoristoma of the tympanic cavity] Hociotă D, et al. **Rev Chir [Otorinolaringol]** 19(4):299–303, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

The effect of methotrexate on experimental salivary gland neoplasm in rats. Shklar G, et al. **Arch Oral Biol** 20(12):787–90, Dec 75

Experimental carcinogenesis in duct-artery ligated rat submandibular gland. Englander A, et al. **J Dent Res** 55(2):229–34, Mar–Apr 76

COMPLICATIONS

[Warthin's tumor] Kubiczkowa J, et al. **Pol Tyg Lek** 30(43):1801–2, 27 Oct 75 **(Pol)**

DIAGNOSIS

The relationship between the nuclear DNA content in smears of aspirates and the prognosis of mucoepidermoid carcinoma. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 80(5–6):429–33, Nov–Dec 75

A cytochemical method of grading the malignancy of salivary gland tumours preoperatively. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(5–6):489–95, May–Jun 76

Subcutaneous angiolymphoid hyperplasia with eosinophilia. Report of a case masquerading as a salivary tumor. Goldman RL, et al. **Arch Otolaryngol** 102(7):440–1, Jul 76

Necrotizing sialometaplasia. Report of a case. Myers EN, et al. **Arch Otolaryngol** 101(10):628–9, Oct 75

Giant mixed submandibular salivary tumors. Gupta AK, et

al. **Int Surg** 60(9):495–6, Sep 75
Salivary gland uptake of 67Ga–citrate following radiation therapy. Bekerman C, et al. **J Nucl Med** 17(8):685–7, Aug 76
Evaluation of parotid gland masses by rectilinear scanning. Hendra R, et al. **J Oral Surg** 33(11):838–41, Nov 75
Aspiration cytology of salivary gland tumors: diagnostic experience from six years of routine laboratory work. Lindberg LG, et al. **Laryngoscope** 86(4):584–94, Apr 76
[Sialography and scintigraphy in the study of the salivary glands] Putti G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:459–61, 1975 **(Fre)**
[Enlarged submaxillary glands] Gandon J. **Probl Actuels Otorhinolaryngol** :261–71, 1973 **(Fre)**
[Clinical and histological aspects of mucoepidermoid tumors of the salivary glands] Brands T. **Hippokrates** 46(3):409–11, Aug 75 **(Ger)**

ENZYMOLOGY

Amino acid metabolizing enzymes in rat submaxillary gland, normal or neoplastic, and in pancreas. Herzfeld A, et al. **Enzyme** 21(5):471–80, 1976

METABOLISM

Pleomorphic adenoma of the salivary gland. With special reference to histochemical and electron microscopic studies and biochemical analysis of glycosaminoglycans in vivo and in vitro. Takeuchi J, et al. **Cancer** 36(5):1771–89, Nov 75

MORTALITY

[A case of fulminant fatal cylindroma and its implication] Sonkodi I, et al. **Fogorv Sz** 68(10):308–10, Oct 75 **(Hun)**

OCCURRENCE

Primary tumours of the salivary glands. Gupta SK, et al. **J Indian Med Assoc** 65(10):277–80, 16 Nov 75
Salivary gland tumors: review of 643 cases. Main JH, et al. **J Oral Pathol** 5(2):88–102, Mar 76 (24 ref.)
[Tumors of the salivary glands in children] Payen J, et al. **Rev Stomatol Chir Maxillofac** 77(2):347–8, Mar 76 **(Fre)**

PATHOLOGY

Aspiration biopsy of salivary gland tumors. VI. Morphologic studies on smears and histologic sections from mucoepidermoid carcinoma. Zajicek J, et al. **Acta Cytol (Baltimore)** 20(1):35–41, Jan–Feb 76
Malignant lymphomas of the salivary glands. Review of the literature and report of 33 new cases, including four cases associated with the lymphoepithelial lesion. Hyman GA, et al. **Am J Clin Pathol** 65(4):421–38, Apr 76
Growth analysis of pulmonary metastases from salivary gland tumors. Twardzik FG, et al. **Am J Roentgenol** 126(3):493–9, Mar 76
Mucus gland tumors of the larynx and laryngopharynx. Spiro RH, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):498–503, Jul–Aug 76
A transplantable salivary gland tumour model in the rat. Cappuccino C, et al. **Arch Oral Biol** 21(3):147–52, 1976
Salivary gland tumors of the base of the tongue. Goepfert H, et al. **Arch Otolaryngol** 102(7):391–5, Jul 76
Pathologic quiz Case 1. Larson DL. **Arch Otolaryngol** 101(12):764–6, Dec 75
Mixed tumors of the salivary glands. Growth pattern and recurrence. Naeim F, et al. **Arch Pathol Lab Med** 100(5):271–5, May 76
Monomorphic adenomas of salivary glands. Trabecular–tubular, canalicular, and basaloid variants. Crumpler C, et al. **Cancer** 38(1):193–200, Jul 76
Oncocytic neoplasms of salivary glands: a report of fifteen cases including two malignant oncocytomas. Gray SR, et al. **Cancer** 38(3):1306–17, Sep 76
Conversion of a benign lymphoepithelial salivary gland lesion to lymphocytic lymphoma during dilantin therapy: correlation with dilantin–induced lymphocyte transformation in vitro. Lapes M, et al. **Cancer** 38(3):1318–22, Sep 76
Glycogen–rich adenocarcinoma of minor salivary glands. A light and electron microscopic study. Mohamed AH, et al. **Cancer** 36(3):1057–66, Sep 75
Pleomorphic adenoma of the salivary gland. With special reference to histochemical and electron microscopic studies and biochemical analysis of glycosaminoglycans in vivo and in vitro. Takeuchi J, et al. **Cancer** 36(5):1771–89, Nov 75
Small cell undifferentiated carcinoma of salivary gland origin: an ultrastructural study. Wirman JA, et al. **Cancer** 37(4):1840–8, Apr 76
A qualitative and quantitative electronmicroscopic study of the structure of the adenoid cystic carcinoma of human minor salivary glands. Chisholm DM, et al. **J Oral Pathol** 4(3):103–19, Oct 75
Intraoral papillary cystadenoma lymphomatosum. Baden E, et al. **J Oral Surg** 34(6):533–41, Jun 76
Squamous cell carcinoma of the submandibular gland. Marciani RD, et al. **J Oral Surg** 34(7):646–50, Jul 76
Necrotizing sialometaplasia. Arguelles MT, et al. **Oral Surg** 42(1):86–90, Jul 76
Minor salivary gland lesion presenting clinically as tumor. Devildos LR, et al. **Oral Surg** 41(5):657–9, May 76
Warthin's tumor. Report of a case and survey of 205 salivary neoplasms. Matteson SR, et al. **Oral Surg** 41(1):129–34, Jan 76
[Extraparotid mixed tumors] Oliveras Moreno JM. **Acta Stomatol Belg** 72(3):517–20, 1975 **(Fre)**
[Mixed tumors of the epiglottis. Apropos of one anatomical–clinical case] Vilde F, et al. **Arch Anat Cytol Pathol** 24(1):57–62, 1976 **(Fre)**
[A pleomorphic adenoma of a salivary gland with deposits of amyloid substance] Bogomoletz WV. **Arch Anat Pathol (Paris)** 23(3):247–8, 1975 **(Fre)**
[Tumors of the submaxillary gland] Claux J, et al. **J Fr Otorhinolaryngol** 24(6):451–3, Jun 75 **(Fre)**
[Mixed tumors and cylindromas] Delire Y, et al. **Rev Stomatol Chir Maxillofac** 76(2):93–108, Mar 75 (Eng. Abstr.) **(Fre)**
[Basal cell adenomas of the salivary glands] Kozlovskiĭ OM. **Arkh Patol** 37(8):60–4, 1975 (Eng. Abstr.) **(Rus)**
[Cytomorphological and cytofluroescent signs of tumors of the salivary glands] Mel'nik AN, et al. **Lab Delo** (1):16–21, 1976 **(Rus)**
[Differential diagnostic significance of puncture biopsy of salivary gland tumors] Panikarovskiĭ VV, et al. **Stomatologiia (Mosk)** 54(3):57–62, May–Jun 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Sialography and sialotomography] Grimalt AM, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:458–9, 1975 **(Fre)**
[Value of sialography in tumoral pathology of the salivary glands. Study of 135 radio–anatomo–clinical correlations] Verhaeghe M, et al. **Lille Med** 20(8):688–97, Oct 75 **(Fre)**
[Xeroradiography of the neck and of the salivary glands (author's transl)] Adler D, et al. **Laryngol Rhinol Otol (Stuttg)** 54(8):623–9, Aug 75 (Eng. Abstr.) **(Ger)**

SECRETION

Letter: Ectopic production of ACTH by a minor salivary gland tumor. Marks AD, et al. **Ann Intern Med** 83(4):521–2, Oct 75

SURGERY

Cylindroma—recurrence in post–operative fibrosis (a case report). Rao PM, et al. **J Postgrad Med** 21(3):161–2, Jul 75
Hemangiomas of the salivary glands. Nussbaum M, et al. **Laryngoscope** 86(7):1015–9, Jul 76
[Follow–up studies of salivary gland tumors] Sazama L, et al. **Cesk Stomatol** 76(1):29–34, Jan 76 (Eng. Abstr.) **(Cze)**

SALIVARY GLAND VIRUSES see under **CYTOMEGALOVIRUSES**

SALIVARY GLANDS

PH of gut & salivary glands of Sarcophaga ruficornis Fab. & Musca domestica Linn. Sinha M. **Indian J Exp Biol** 13(1):88–9, Jan 75
A case of salivary gland choristoma of the middle ear. Hociotă D, et al. **J Laryngol Otol** 89(10):1065–8, Oct 75
Benign mixed tumour of heterotopic salivary gland tissue in upper neck. Report of a case with a review of the literature on heterotopic salivary gland tissue. Pesavento G, et al. **J Laryngol Otol** 90(6):577–84, Jun 76 (44 ref.)
[Systematic study of sequential salivary gland scintigraphy during rheumatoid arthritis and collagenosis. Apropos of 150 examinations] Rampon S, et al. **Rev Rhum Mal Osteoartic** 42(3):185–94, Mar 75 (Eng. Abstr.) **(Fre)**

ANALYSIS

Plant growth–regulating factor in the salivary gland of several heteropterous insects. Hori K. **Comp Biochem Physiol [B]** 53(4):435–8, 1976
[Anisotropy of the salivary glands studied by topooptic histochemical reactions (author's transl)] Gotzos V, et al. **Ann Histochim** 20(2):113–7, Apr–Jun 75 (Eng. Abstr.) **(Fre)**
[Electrophoretic analysis of salivary gland and fat body proteins in Drosophila melanogaster during development] Kolesnikov NN, et al. **Dokl Akad Nauk SSSR** 225(1):201–4, 1 Nov 75 **(Rus)**

ANATOMY & HISTOLOGY

The effect of salivary gland extracts on the histology of lymphoid organs and salivary glands in mice. de Lange GL. **Arch Oral Biol** 20(8):515–20, Aug 75
Long–term effects of a liquid diet on salivary glands, periodontium, and palatal keratinization. Baer PN, et al. **J Dent Res** 55(3):549, May–Jun 76
Distribution of glands in the mucosa of the hard palate and its relation to carcinoma. Reddy CR, et al. **J Oral Surg** 34(3):232–6, Mar 76
The effects of electrical stimulation of the autonomic nerves and of drugs on the size of salivary glands and their rate of cell division. Muir TC, et al. **J Pharmacol Exp Ther** 195(2):372–81, Nov 75
Gamma camera images of the salivary gland using 99mTc. Report of four cases. Higashi T, et al. **Oral Surg** 40(6):804–10, Dec 75

CYTOLOGY

[Structural modifications of secretory epithelial cells of the salivary glands induced by a carbohydrate–rich cariogenic diet in rats] Goldberg M, et al. **J Biol Buccale** 4(2):123–41, Jun 76 (Eng. Abstr.)
[Nuclear apparatus and differentiation of salivary glands of larvae of Drosophila virilis. 1. Change in DNA and RNA content in different cell structures at the stage of secretion formation] Onischenko AM, et al. **Ontogenez** 7(1):76–81, 1976 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Differential block by l–hyoscyamine of the salivary and vascular responses of the dog mandibular gland to prostaglandin F2alpha. Taira N, et al. **Life Sci** 17(12):1869–75, 15 Dec 75
Effect of cytostatic agents on salivary gland tissue of the rat. The influence of 5–fluorouracil. Chilla R, et al. **ORL** 38(1):53–63, 1976
[Pharmacotherapy of hypertension and its significance for the function of the salivary glands (author's transl)] Chilla R, et al. **Munch Med Wochenschr** 117(36):1425–8, 5 Sep 75 (Eng. Abstr.) **(Ger)**
[Calcitonin and salivary gland amylase secretion in vivo and in vitro. Preliminary report] Koelz HR, et al. **Schweiz Med Wochenschr** 106(9):298–9, 28 Feb 76 (Eng. Abstr.) **(Ger)**
[PCPA–enriched organs: pharmacokinetics and ultrastructure] Metz J, et al. **Verh Anat Ges** 68:653–62, 1974 (Eng. Abstr.) **(Ger)**
[Effect of pilocarpine on the puffing of polytene chromosomes in the salivary glands of Chironomus thummi] Valeeva FS. **Tsitologiia** 17(9):1032–6, Sep 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Development of salivary glands of human lip in early stages of fetal life] Brzeziński J, et al. **Czas Stomatol** 29(5):429–33, 1976 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Localization of amylase in major salivary glands of the guinea pig. Smith RJ, et al. **J Dent Res** 54(5):1027–30, Sep–Oct 75
Ultrastructural histochemical localization of acid phosphatase in salivary glands of Drosophila melanogaster. Anastasia–Sawicki J, et al. **J Histochem Cytochem** 24(2):463–7, Feb 76
[Steroid dehydrogenases of the salivary glands] Lucheroni A, et al. **Riv Istochim Norm Patol** 18(1–4):141, 1974 **(Ita)**
[Hormonal induction of acid phosphatase activity in salivary glands of Drosophila melanogaster larvae during metamorphosis] Aizenzon MG, et al. **Dokl Akad Nauk SSSR** 225(4):951–4, 1 Dec 75 **(Rus)**

GROWTH & DEVELOPMENT

[Characteristics of the endocrine system in Drosophila melanogaster 1 (2)gl mutants, differing in time of death] Korochkina LS, et al. **Genetika** 11(8):57–65, 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological and virological studies of cultured labial biopsy cells from patients with Sjögren's syndrome. Cremer NE, et al. **Clin Exp Immunol** 18(2):213–24, Oct 74
Experimental induction of immune sialadenitis in guinea–pigs using different adjuvants. Whaley K, et al. **Clin Exp Immunol** 17(4):681–4, Aug 74
Experimental allergic sialoadenitis. VIII. Acute parotitis following intraductal instillation of antiserum to salivary antigens in the rat. Sela J, et al. **J Pathol** 119(3):129–33, Jul 76
Minor salivary glands as a major source of secretory immunoglobin A in the human oral cavity. Crawford JM, et al. **Science** 190(4220):1206–9, 19 Dec 75

INNERVATION

An electron microscopic radioautographic study of the uptake of tritiated serotonin by nerve fibres in the posterior salivary duct and gland of cephalopods. Ducros C. **Cell Tissue Res** 161(3):351–71, 25 Aug 75
The innervation of the salivary gland of the moth, Manduca sexta: evidence that dopamine is the transmitter. Robertson HA. **J Exp Biol** 63(2):413–9, Oct 75

METABOLISM

Rapidly labeled proteins on the salivary gland chromosomes of Drosophila melanogaster. Mitchell HK, et al. **Biochem Genet** 13(9–10):585–602, Oct 75
Distribution of cyclocytidine in tissues. Hoshi A, et al. **Chem Pharm Bull (Tokyo)** 23(4):725–8, Apr 75
Adrenaline and cyclic AMP stimulated uptake of chloride and fluid secretion by isolated salivary glands of the lone star tick. Sauer JR, et al. **Comp Biochem Physiol [C]** 53(2):63–6, 1976
Glycogen concentration in isoproterenol–stimulated salivary glands of mice. Fava–de–Moraes F, et al. **Experientia** 31(9):1010–11, 15 SEP 75
On the regulatory handling of Na+, K+ and H+ transport

by the rat salivary duct epithelium. Knauf, et al. **Fortschr Zool** 23(2–3):307–21, 1975

Stimulus—secretion coupling of salivary acinar cells: the role of membrane permeability change, Ca2+ and cyclic AMP. pp. 281–93. Petersen OH.
In: Case RM, Goebell H, ed. Stimulus–secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.

Discussion paper on cholinergic regulation of glycogenolysis and protein secretion in rat salivary glands. pp. 295–6. Rossignol B, et al.
In: Case RM, Goebell H, ed. Stimulus–secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.

Appearance and decay of ribonucleic acids in the cytoplasm of salivary gland cells of Chironomus tentans. pp. 289–303. Edström JE.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Nucleocytoplasmic movement of fluorescent tracers microinjected into living salivary gland cells. Paine PL. **J Cell Biol** 66(3):652–7, Sep 75

In vitro metabolism of testosterone–4–14 C by canine salivary glands. Mosadomi A, et al. **J Oral Pathol** 5(1):33–41, Jan 76

Glucose utilization by the salivary glands of the marmoset Saguinus oedipus. Simpson JW, et al.
Tex Rep Biol Med 33(4):525–32, 1975

[Isoprenaline, propranolol and in vivo phosphorus metabolism of the rat salivary gland] Rochus L, et al. **C R Soc Biol (Paris)** 169(3):737–41, 1975 (Eng. Abstr.) **(Fre)**

[Histochemical characteristics of the lingual salivary glands of several classes of vertebrates] Shevliuk NN.
Arkh Anat Gistol Embriol 70(3):58–62, Mar 76 (Eng. Abstr.) **(Rus)**

[The mechanism of formation of the water–salt component of salivary gland secretions] Iaremenko MS.
Usp Fiziol Nauk 7(1):118–32, Jan–Mar 76 (133 ref.) **(Rus)**

[Excretion of total 17–ketosteroids and their fractions by salivary glands in patients with bronchial asthma] Sergovskaia ET. **Vrach Delo** (5):25–7, May 75 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Development of Theileria mutants (Aitong) in the tick Amblyomma variegatum compared to that of T. parva (Muguga) in Rhipicephalus appendiculatus. Purnell RE, et al. **J Parasitol** 61(4):725–9, Aug 75

PATHOLOGY

[Role of the salivary glands in the evolution of carcinoma of the tongue and floor of the mouth] Payen J.
Acta Stomatol Belg 72(3):431–3, 1975 **(Fre)**

[Correlation between scleroderma and Sjogren's syndrome. Value of systematic biopsy of the labial salivary glands] Fiessinger JN, et al. **Nouv Presse Med** 4(45):3177–80, 27 Dec 75 (Eng. Abstr.) **(Fre)**

[Sjogren's syndrome and changes of the labial gland] Nasu M. **J Jpn Stomatol Soc** 42(2):214, Jun 75 **(Jpn)**

[Clinico–morphological characteristics of the mouth mucosa and small salivary glands in patients with peptic ulcer] Dmitrieva VS, et al. **Klin Med (Mosk)** 53(8):43–8, Aug 75 **(Rus)**

PHYSIOLOGY

Effects of sialoadenectomy and parotin hormone on the development of rat sponge–induced granulation tissue. Teixeira D, et al. **Acta Anat (Basel)** 94(1):22–9, 1976

An inhibitory effect of salivary gland extirpation on the induction of mammary tumors in rats by N,N'–2,7–fluorenylenebisacetamide. Hirano T, et al.
Acta Pathol Jpn 26(3):341–56, May 76

Salivary secretion in three species of tsetse flies (Glossinidae). Youdeowei A. **Acta Trop (Basel)** 32(2):166–71, 1975

Recent advances in physiology of salivary glands. Garrett JR. **Br Med Bull** 31(2):152–5, May 75 (44 ref.)

Histofluorescence observations on the sympathetic nervous system after removal of the salivary glands in adult mice. Wiklund L, et al. **Brain Res** 96(1):161–8, 10 Oct 75

The neural induction of taste buds in the salivary ducts of the lingual gland of von Ebner. Zalewski AA.
Exp Neurol 52(3):565–80, Sep 76

The actions of some putative neurotransmitters on the cockroach salivary gland. Bowser–Riley F, et al.
J Exp Biol 64(3):665–76, Jun 76

The role of cyclic 3',5'–adenosine monophosphate (cyclic AMP) in the ability of sympathetic nerve stimulation to enhance growth and secretion in rat salivary glands in vivo. Muir TC, et al. **J Physiol (Lond)** 259(1):47–61, Jul 76

Actions of a dopamine analogue and a neuroleptic at a neuroglandular synapse. House CR, et al. **Nature** 261(5558):332–3, 27 May 76

[Proceedings: Sodium transport by the glandular epithelium] Arakawa Y, et al. **J Physiol Soc Jpn** 36(8–9):352, 1 Sep 74 **(Jpn)**

RADIATION EFFECTS

Latent and persistent lethal injury in mouse salivary gland cells following gamma irradiation. Sasaki T. **Radiat Res** 67(1):104–13, Jul 76

Variations of salivary amylase as a test of internal irradiation in man. Zamfirescu–Gheorghiu M, et al.
Rev Roum Med [Med Intern] 13(2):115–8, 1975

SECRETION

Histochemical and biochemical properties of the labial and palatine glands and their secretions in the Macaca irus and Cercopithecus aethiops monkeys. Hensten–Pettersen A.
Acta Odontol Scand 34(2):79–88, 1976

Effects of 13–nle–motilin on salivary, gastric, and pancreatic secretions in man. Domschke S, et al. **Am J Dig Dis** 21(9):789–92, Sep 76

Rate of protein synthesis in rat salivary gland cells after pilocarpine or feeding. I. Rate of (glyco) protein secretion from cells of mixed salivary glands. Kuijper–Lenstra AH, et al. **Cell Tissue Res** 164(4):435–46, 18 Dec 75

Intracellular recording of secretory potentials in a 'mixed' salivary gland. House CR. **Experientia** 31(8):904–6, 15 Aug 75

Relevance of cyclic nucleotides and calcium to cystic fibrosis. pp. 243–58. Butcher FR.
In: Mangos JA, Talamo RC, ed. Cystic fibrosis: projections into the future. New York, Stratton, 1976. WI 820 C9995 1976. (75 ref.)

Stimulus–secretion coupling in an insect salivary gland: cell activation by elevated potassium concentrations. Berridge MJ, et al. **J Exp Biol** 62(3):629–36, Jun 75

Natural history of bell's palsy: the salivary flow test and other prognostic indicators. May M, et al. **Laryngoscope** 86(5):704–12, May 76

Changing attitudes on salivary secretion – a short history on spit. Garrett JR. **Proc R Soc Med** 68(9):553–60, Sep 75

[On a biochemical model of neurogenic sialosis: studies in rats (author's transl)] Arglebe C, et al.
Laryngol Rhinol Otol (Stuttg) 54(7):542–50, Jul 75 (Eng. Abstr.) **(Ger)**

[The biophysical basis for secretion of an organic molecular product by salivary gland cells] Gutkin VI.
Usp Fiziol Nauk 7(1):94–117, Jan–Mar 76 (235 ref.) **(Rus)**

[Relationship between the activity of the salivary glands, stomach glands and kidneys in the excretion of estrogens] Popov IuD, et al. **Vrach Delo** (11):79–82, Nov 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural aspects of histolytic processes in the salivary gland cells during metamorphic stages in Rhynchosciara hollaenderi (Diptera, Sciaridae). Jurand A, et al.
Cell Differ 4(4):219–36, Oct 75

Isolation and characterization of polyribosomes from the salivary glands of Rhynchosciara americana. Paz Aliaga B, et al. **Cell Differ** 4(4):243–55, Oct 75

On the occurrence of argyrophil cells in salivary glands. Carlsöö B, et al. **Cell Tissue Res** 167(3):341–50, 2 Apr 76

Electron microscopic studies on the polytene chromosomes of Chironomus thummi salivary glands. I. Ultrastructural mapping. Kiknadze II, et al. **Chromosoma** 55(1):91–103, 31 Mar 76

Influence of cortisone on ultrastructure of the sublingual salivary gland in rats. Kostulak A, et al.
Folia Morphol (Warsz) 35(1):1–6, 1976

Ultrastructures of the oncocyte in normal human palatine salivary glands. Shimono M, et al.
J Electron Microsc (Tokyo) 24(2):119–21, 1975

Nucleolar patterns in Chironomus salivary glands. Stockert JC, et al. **Naturwissenschaften** 62(9):439–40, Sep 75

[Ultrastructure of the salivary glands of Amalo helops megapyrha larva (Lepidoptera; Arctiidae)] da Cruz–Landim C. **An Acad Bras Cienc** 45(3–4):565–84, 1973 (Eng. Abstr.) **(Por)**

SALIVATION

Time of day effects on extroversion and salivation. Horne JA, et al. **Biol Psychol** 3(4):301–7, Dec 75

Chronic pancreatitis, alcoholic liver cirrhosis and salivary secretion. Minaire Y, et al. **Digestion** 12(1):57–60, 1975

Contraction of myoepithelial cells in secreting submandibular glands of dogs. Emmelin N, et al. **Experientia** 32(2):197–8, 15 Feb 76

Salivation as a measure of appetite: studies of the anorectic effects of calories and amphetamine. pp. 421–9. Wooley OW, et al.
In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.

Effects of desalivation on schedule–induced polydipsia in the rat. Murphy LR, et al. **J Exp Psychol [Anim Behav]** 1(4):309–17, Oct 75

Surgical elimination of drooling. Toremalm NG, et al.
Laryngoscope 86(1):104–12, Jan 76

Tympanic neurectomy. Correction of drooling in cerebral palsy. Friedman WH, et al. **NY State J Med** 75(13):2419–22, Nov 75 (15 ref.)

pH and bicarbonate excretion in the rat parotid gland as a function of salivary rate. Sommer HM, et al.
Pfluegers Arch 355(4):353–60, 2 Apr 75

Human salivary response to interpersonal bargaining situations: a psycho–physiological investigation. Silverstein L, et al. **Psychol Rep** 37(3 Pt 1):771–85, Dec 75

Increased water drinking induced by sodium depletion in sheep. Abraham SF, et al. **Q J Exp Physiol** 61(3):185–92, Jul 76

[Special aspects of the suction technic] Ehmer D.
Stomatol DDR 25(11):786–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Study of the rat parotid blood capillaries during a 3–hour feeding cycle] Gusev SA. **Biull Eksp Biol Med** 80(7):104–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Conidioned reflex and polarization salivation] Kulitka EF.
Zh Vyssh Nerv Deiat 25(1):45–50, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

[Letter: Hypersialorrhea during treatment by a synthetic anticortisol agent (op'DDD)] Bricaire H, et al.
Nouv Presse Med 4(28):2040, 30 Aug–6 Sep 75 **(Fre)**

DRUG EFFECTS

Mechanism of the sialogogic effect induced by bradykinin in dogs: possible mediation by endogenous prostglandin. Corrado AP, et al. **Adv Exp Med Biol** 70(00):81–95, 1976

Effect of certain organic compounds on saliva secretion in sheep. Giesecke D, et al. **Arch Int Physiol Biochim** 84(1):129–37, Feb 76

Evaluation of sialogogic action of cyclocytidine (NSC–145668) and anhydro–ara–5–fluorocytidine (NSC–166641). Schneyer CA, et al.
Cancer Chemother Rep 59(5):1019, Sep–Oct 75

Diphenylhydantoin effects on salivary secretion and microsomal calcium accumulation and release. Watson EL, et al. **Eur J Pharmacol** 37(1):207–11, May 76

Studies on the mechanism of fluid secretion by isolated salivary glands of Calliphora. Berridge MJ, et al.
J Exp Biol 64(2):311–22, Apr 76

The influence of various factors on fluid secretion by in vitro salivary glands of ixodid Ticks. Kaufman W.
J Exp Biol 64(3):727–42, Jun 76

Proceedings: Effects of furosemide on the flow rate and composition of human saliva. Crook M, et al.
J Physiol (Lond) 257(1):60P, May 76

Differential block by 1–hyoscyamine of the salivary and vascular responses of the dog mandibular gland to prostaglandin F2alpha. Taira N, et al. **Life Sci** 17(12):1869–75, 15 Dec 75

The value of premedication in diminishing salivary secretions. Kamel M, et al. **Mid East J Anaesthesiol** 4(5):363–71, Jun 75

[The effect of (8r)–3alpha–hydroxy–8–isopropyl–1alphaH,5alphaH–tropa ((ipratropiumbromide) on tracheobronchial spasm, bronchial and salivary secretions, ECG and heart rate (author's transl)] Bauer R, et al. **Arzneim Forsch** 26(5a):981–5, 1976 (Eng. Abstr.) **(Ger)**

[The relationship between the dose of caffeine and the magnitude of conditioned reflex salivation in dogs] Lovchikov VA. **Zh Vyssh Nerv Deiat** 25(5):949–52, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

THERAPY

[The treatment of ptyalism in children with cerebral lesions (author's transl)] Haberfellner H, et al.
Munch Med Wochenschr 118(27):879–82, 2 Jul 76 **(Ger)**

SALK VACCINE see **POLIOVIRUS VACCINE**

SALMINE see under **PROTAMINES**

SALMON

Failure of vaccines to protect salmon from vibriosis enzootic in Puget Sound, Washington. Gunnels RD, et al.
Am J Vet Res 37(6):737–40, Jun 76

Cytological and biochemical studies in back–crosses between the hybrid Atlantic salmon X sea trout and its parental species. Nygren A, et al. **Hereditas** 81(1):55–62, 1975

Salmon population identification using energy dispersive x–ray microanalysis. pp. 591–6. Lapi LA, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

A study of epithelioma in the Atlantic salmon (S. salar). pp. 443–4. Carlisle JC.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

[An outbreak of lipoid liver degeneration (LLD) in Atlantic salmon (Salmo salar) in a fish farm and attempts to cure the disease (author's transl)] Roald SO. **Nord Vet Med** 28(4–5):243–9, Apr–May 76 (Eng. Abstr.) **(Dan)**

BLOOD

Iron–binding activity of female–specific serum proteins of rainbow trout (Salmo gairdneri) and chum salmon (Oncorhyncus keta). Hara A. **Biochim Biophys Acta** 427(2):549–57, 14 Apr 76

Effect of vasotocin on plasma GH, free fatty acids and glucose in coho salmon (Oncorhynchus kisutch). McKeown BA, et al. **Endocrinol Exp (Bratisl)** 10(1):45–51, Mar 76

[Intraspecific genectic variation of phospholipids in the blood serum of the salmon Oncorhynchus nerca and O. keta] **Zh Evol Biokhim Fiziol** 11(3):306–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Changes in the content of 11-oxycorticosteroids in the blood serum of the spawning Siberian salmon Oncorhynchus keta and humpback salmon Oncorhynchus gorbuscha] Ardashev AA, et al. **Zh Evol Biokhim Fiziol** 11(3):308–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Towards a valid technique of sampling fish muscle to determine redox substrates. Börjeson H, et al. **Acta Physiol Scand** 29(2):202–6, Feb 76

Uptake of tritiated leucine by the prolactin cell follicles of the coho salmon, Oncorhynchus kisutch. McKeown BA, et al. **Can J Zool** 53(9):1195–200, Sep 75

Regulation of oxygen consumption by incident illumination in embryonated ova of atlantic salmon Salmo salar L. Hamor T, et al. **Comp Biochem Physiol [A]** 52(2):277–80, 1 Oct 75

Sodium-potassium dependent adenosine triphosphatase activity in gills and kidneys of Atlantic salmon (Salmo salar). McCartney TH. **Comp Biochem Physiol [A]** 53(4):351–3, 1976

Influence of water temperature on gill sodium, potassium-stimulated ATPase activity in juvenile coho salmon (Oncorhynchus kisutch). Zaugg WS, et al. **Comp Biochem Physiol [A]** 54(4):419–21, 1976

Membrane structures of red salmon (Oncorhynchus nerka) nephron cells during magnesium secretion. Ozirskaya EV, et al. **Experientia** 31(8):972–3, 15 Aug 75

A preliminary investigation of the effect of bovine growth hormone on growth and muscle composition of coho salmon (Oncorhynchus kisutch). Higgs DA, et al. **Gen Comp Endocrinol** 27(2):240–53, Oct 75

Trends of polychlorinated biphenyls in three Lake Michigan fishes. pp. 177–81. Willford WA, et al. **In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.**

PHYSIOLOGY

The short-term toxicity of some feed additives to different freshwater organisms. Canton JH, et al. **Bull Environ Contam Toxicol** 15(6):720–5, Jun 76

The effect of porcine somatotropin on growth, and survival in seawater of Atlantic salmon (Salmo salar) parr. Komourdjian MP, et al. **Can J Zool** 54(4):531–5, Apr 76

Evidence for the role of growth hormone as a part of a 'light-pituitary axis' in growth and smoltification of Atlantic salmon (Salmo salar). Komourdjian MP, et al. **Can J Zool** 54(4):544–51, Apr 76

Variations in the pituitary-interrenal axis and the abundance of circulating blood-cell types in juvenile coho salmon, Oncorhynchus kisutch, during stream residence. McLeay DJ. **Can J Zool** 53(12):1882–91, Dec 75

The influence of social rank on adenohypophysial cell activity in Salmo irideus. With special reference to basophil ACTH-cells of the proximal pars distalis. Boddingius J. **Cell Tissue Res** 170(3):383–414, 30 Jul 76

The relationship of the olfactory EEG evoked by naturally-occurring stream waters to the homing behavior of sockeye salmon (Oncorhynchus nerka, Walbaum). Bodznick D. **Comp Biochem Physiol [A]** 52(3):487–95, 1 Nov 75

The relation between total cobalt and cobalt in vitamin B12 during the maturation of ovaries in slamon (Salmo salar). Julshamn K, et al. **Comp Biochem Physiol [B]** 52(3):381–2, 15 Nov 75

A comparison of glutamic-oxalacetate transaminase, lactate dehydrogenase, alpha-hydroxybutyrate dehydrogenase, and creatine phosphokinase activities in non-spawning, pre-spawning, and spawning pink salmon. Márquez ED. **Comp Biochem Physiol [B]** 54(1):121–3, 1976

A study of some properties of chromatin and spectrum of histones in the liver cells of spawning Oncorhynchus gorbusha (Walb.). Rasskazov VA, et al. **Comp Biochem Physiol [B]** 53(2):149–54, 1976

Number, location and severity of coronary arterial changes in spawning Pacific salmon (Oncorhynchus). Moore JF, et al. **J Comp Pathol** 86(1):37–43, Jan 76

Ultrastructure of coronary arterial changes in spawning pacific salmon (Genus oncorhynchus) and steelhead trout (Salmo gairdnerii). Moore JF, et al. **J Comp Pathol** 86(2):259–67, Apr 76

Vitamin E and selenium interrelations in the diet of Atlantic salmon (Salmo salar): gross, histological and biochemical deficiency signs. Poston HA, et al. **J Nutr** 106(7):892–904, Jul 76

Imprinting to chemical cues: the basis for home stream selection in salmon. Scholz AT, et al. **Science** 192(4245):1247–9, 18 Jun 76

Changes in hemostatic parameters in fish following rapid decompression. Casillas E, et al. **Undersea Biomed Res** 2(4):267–76, Dec 75

[Unit activities of the salmon Salmo salar preoptic nucleus in Parr, Parr–Smolt and Smolt stadia] Huve JL, et al. **C R Soc Biol (Paris)** 169(1):54–9, 1975 (Eng. Abstr.) **(Fre)**

[Histophysiology of the hypophyseal-interrenal axis in Atlantic salmon (fresh water cycle, thalassic life and reproduction)] Olivereau M. **Gen Comp Endocrinol** 27(1):9–27, Sep 75 (Eng. Abstr.) **(Fre)**

[Gonadotropin secreting cells of the pituitary gland of the Atlantic salmon: unity or duality?] Olivereau M. **Gen Comp Endocrinol** 28(1):82–95, Jan 76 (Eng. Abstr.) **(Fre)**

[PaO2 changes during rapid PwO2 changes in 2 teleosts with different biotopes: Salmo gairdnerii and Ictalurus melas (author's transl)] Laurent P. **J Physiol (Paris)** 70(5):571–81, Dec 75 (Eng. Abstr.) **(Fre)**

SALMONELLA

Survival of salmonellae during pepperoni manufacture. Smith JL, et al. **Appl Microbiol** 30(5):759–63, Nov 75

Biological activity of phthalated endotoxin. Pistole TG. **Can J Microbiol** 21(9):1291–7, Sep 75

Inhibition of lipopolysaccharide-initiated activation of serum complement by polymyxin B. Morrison DC, et al. **Infect Immun** 13(1):298–301, Jan 76

Mutants of Salmonella anatum that block bacteriophage epsilon infection at early stages. Kanegasaki S, et al. **J Bacteriol** 127(1):7–13, Jul 76

Lipid A, the active part of bacterial endotoxins in inducing serum colony stimulating activity and proliferation of splenic granulocyte/macrophage progenitor cells. Apte RN, et al. **J Cell Physiol** 87(1):71–8, Jan 76

The laboratory evaluation of iodophor disinfectants with yeast suspensions. Charley CM, et al. **J Hyg (Camb)** 76(3):349–53, Jun 76

Isolation of salmonellas and Shigella sonnei from a laboratory bench. Price TH. **J Hyg (Camb)** 76(3):337–9, Jun 76

Destruction of Salmonella on poultry meat with lysozyme, EDTA, x-ray, microwave and chlorine. Teotia JS, et al. **Poult Sci** 54(5):1388–94, Sep 75

[Occurrence and distribution of drug resistant enterobacteria in extra enteral habitats (author's transl)] Larsen HE, et al. **Nord Vet Med** 28(3):129–40, Mar 76 (Eng. Abstr.) **(Dan)**

[Construction of Hfr strains in 'Salmonella montevideo' (author's transl)] Dassa E. **Ann Microbiol (Paris)** 126(3):315–26, Apr 75 (Eng. Abstr.) **(Fre)**

[Sensitivity to bacteriophage ES18 of strains of 'S. dublin', 'S. enteritidis' and 'S. blegdam' and related serotypes (author's transl)] Le Minor L, et al. **Ann Microbiol (Paris)** 126(3):327–31, Apr 75 (Eng. Abstr.) **(Fre)**

[Salmonella isolated in effluents of Herault stations (author's transl)] Baylet R, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):463–8, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Human meat-borne salmonellosis: epidemiological reflections on a bacteriological survey of the butchers' shops of a large town (author's transl)] Brisou B, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):445–61, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Salmonella isolated in water supplies (author's transl)] Sinegre F, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):469–74, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Salmonella mutant with phage absorption without its infection] Kanegasaki S. **Jpn J Bacteriol** 30(1):246, Jan 75 **(Jpn)**

Isolation of Arizonoa from cold-blooded animals. [author's transl] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(2):137–8, Apr–Jun 73 (Eng. Abstr.) **(Por)**

[Occurrence of salmonella in lizards (author's transl)] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(1):63–6, Jan–Mar 73 (Eng. Abstr.) **(Por)**

[The pathogenic potential of some natural water basins demonstrated by the incidence of Salmonella genus bacteria] Finichiu M. **Rev Ig [Bacteriol]** 19(4):325–30, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[A change in the activity of the beta-phenylpropionic acid conversion enzyme in Escherichia coli under the influence of transmissive plasmids of Salmonella heidelberg] Tallmeister ET, et al. **Genetika** 11(10):90–5, 1975 (Eng. Abstr.) **(Rus)**

[Some properties of revertants obtained from stable L-forms Salmonella] Zubkov MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):137–8, Apr 75 **(Rus)**

ANALYSIS

Synthesis of O-beta-D-mannopyranosyl-1 leads to 4)-O-alpha-L-rhamnopyranosyl-(1 leads to 3)-D-galactopyranose, the trisaccharide repeating-unit of the o-specific polysaccharide from Salmonella anatum. Kochetkov NK, et al. **Carbohydr Res** 45:283–90, Dec 75

Flagellar hook protein from Salmonella SJ25. Kagawa H, et al. **J Bacteriol** 125(1):68–73, Jan 76

Relationship of structure to function in bacterial endotoxins. IX. Differences in the lipid moiety of endotoxic glycolipids. Ng AK, et al. **J Bacteriol** 126(1):511–5, Apr 76

Reactivity of lipopolysaccharides from various salmonella SR and R chemotypes Ra–Re mutants with concanavalin A. Mayer H, et al. **Zentralbl Bakteriol [Orig A]** 233(3):327–34, Nov 75

[Bacteriocinogenesis in cultures of salmonella isolated in Bulgaria. I. Type bacteriocins in several salmonellae] Kaloianova L. **Vet Med Nauki** 12(7):81–6, 1975 (Eng. Abstr.) **(Bul)**

[Antigenic atructure of the flagella of Salmonella. Heterogeneity of flagellin of S. derby and S. oranienburg] Dohi Y, et al. **Jpn J Bacteriol** 30(1):82, Jan 75 **(Jpn)**

[Fatty acid composition of bacteria of the genera Escherichia, Salmonella and Shigella] Vasiurenko ZPsiniak KM. **Izv Akad Nauk SSSR [Biol]** (3):410–7, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Study of the nucleotide makeup of the DNA of various species of Salmonella] Demikhovskaia AA, et al. **Med Educ** 38(2):180–4, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

CLASSIFICATION

A phage typing scheme for Salmonella newport. Petrow S, et al. **Ann Microbiol (Paris)** 125(4):433–45, May–Jun 74

Observations on brilliant green agar with H2S indicator. Moats WA, et al. **Appl Environ Microbiol** 31(3):380–4, Mar 76

Peculiartities of some Salmonella serotypes of the group E. Popovici M, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):27–31, Jan–Jun 75

Method for identifying Salmonella and Shigella directly from the primary isolation plate by coagglutination of protein A-containing staphylococci sensitized with specific antibody. Edwards EA, et al. **J Clin Microbiol** 3(3):339–43, Mar 76

Phage typing set for group C1 and C2 Salmonellae. Gershman M. **J Clin Microbiol** 3(2):214–7, Feb 76

[Supplement no XVII to Kauffmann-White scheme (author's transl)] Le Minir L, et al. **Ann Microbiol (Paris)** 125(4):427–32, May–Jun 74 (Eng. Abstr.) **(Fre)**

[Supplement No XVIII to Kauffmann-White scheme (author's transl)] Le Minor L, et al. **Ann Microbiol (Paris)** 126B(1):63–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Characteristics of lysogenous phages of S. anatum] Popvici M, et al. **Arch Roum Pathol Exp Microbiol** 34(3):223–30, Jul 75 (Eng. Abstr.) **(Fre)**

[Lysotyping of S. panama using additional autochthonous phages] Szégli L, et al. **Arch Roum Pathol Exp Microbiol** 34(3):217–22, Jul 75 (Eng. Abstr.) **(Fre)**

[A new serotype of Salmonella isolated in Canada: Salmonella quebec (44 1, 44 2:c:e,n,z15)] Basu A, et al. **Can J Microbiol** 22(5):769–70, May 76 **(Fre)**

[Ten new serotypes of Salmonella subgenus I isolated from healthy carriers in Togo (West africa). Bockemühl J, et al. **Zentralbl Bakteriol [Orig A]** 233(1):43–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Eight new serotypes of Salmonella subgenus I and five serological variants (author's transl)] Bockemühl J, et al. **Zentralbl Bakteriol [Orig A]** 234(1):21–8, Jan 76 (Eng. Abstr.) **(Ger)**

[Nine new Salmonella species belonging to sub-genera I, II, and III and a new serological variant of S. tornow (author's transl)] Rohde R, et al. **Zentralbl Bakteriol [Orig A]** 233(1):50–7, Sep 75 (Eng. Abstr.) **(Ger)**

[Salmonella serotypes isolated at the Ospedale Maggiore at Novara during the years 1966–1973 in sporadic cases of enteropathy] Fortina G, et al. **G Batteriol Virol Immunol** 68(1–6):95–100, Jan–Jun 75 (Eng. Abstr.) **(Ita)**

[Serotypes of Salmonella isolated from imported meats--supplement (author's transl)] Kawanishi T, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):138–41, 1975 (Eng. Abstr.) **(Jpn)**

[Comparative study of traditional classification, numerical classification and classification by DNA homology] Okanishi M. **Jpn J Bacteriol** 29(6):803–10, Nov 74 **(Jpn)**

[One-stage method of identification of Salmonella and Shigella by biochemichal test. I. Evaluation and selection of differentiating test] Tyc Z, et al. **Med Dosw Mikrobiol** 28(2):121–30, 1976 (Eng. Abstr.) **(Pol)**

[Modified culture medium for the characterization of lactose-postive Salmonella strains] Falcão DP. **Rev Saude Publica** 10(1):65–73, Mar 76 (Eng. Abstr.) **(Por)**

[Nomenclature of the S. coli (E. coli) No. 2624/36 and 5396/38 strains] Raginskaia VP. **Zh Mikrobiol Epidemiol Immunobiol** (7):72–4, Jul 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Design requirements for the construction of bacterial flagella. Calladine CR. **J Theor Biol** 57(2):469–89, Apr 76

[Salmonella growth in the water of the Ostend and Zeebrugge harbor ccmplex] Oye E, et al. **Arch Belg Med Soc** 33(4):227–36, Apr 75 (Eng. Abstr.) **(Dut)**

DRUG EFFECTS

In vitro and in vivo transfer of drug resistance for Salmonella and Escherichia coli strains in turkeys. Nivas SC, et al. **Am J Vet Res** 37(4):433–7, Apr 76

Discussion paper: the detection of mutagenic metabolites of carcinogens in urine with the Salmonella/microsome test. McCann J, et al. **Ann NY Acad Sci** 269:21–5, 31 Dec 75

Drug resistance and distribution of R factors in Salmonella strains. Tanaka T, et al. **Antimicrob Agents Chemother** 9(1):61–4, Jan 76

Treatment of Salmonella-Arizona-infected turtle eggs with terramycin and chloromycetin by the temperature-differential egg dip method. Siebeling RJ, et al. **Appl Microbiol** 30(5):791–9, Nov 75

Studies on the host range specificity of pyocin P1. Brandis H, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):13–20, Jan–Jun 75

The effect of dazomet on salmonellas on artificially

contaminated eggs. Peel B, et al. **Aust Vet J** 52(5):220–3, May 76

A survey of drug resistance in Salmonella isolated from animals in England and Wales during 1972. Sojka WJ, et al. **Br Vet J** 132(1):95–104, Jan–Feb 76

Antimicrobial resistance and R-factors in Salmonella isolated from humans and animals. pp. 473–82. Neu HC, et al.

In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Antibiotic resistance and R plasmids in Salmonella isolated from humans in Japan (1966–1972). pp. 237–52. Nakaya R, et al.

In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Demonstration of R factors with chloramphenicol resistance in Salmonella strains isolated from domestic animals. pp. 253–60. Terakado N, et al.

In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Effect of chlortetracycline feeding on the Salmonella reservior in chickens. Jarolmen H, et al. **J Appl Bacteriol** 40(2):153–61, Apr 76

Transmissible drug resistance of Escherichia coli and Salmonella from humans, animals, and their rural environments. Marsik FJ, et al. **J Infect Dis** 132(3):296–302, Sep 75

Antimicrobial resistance and R-factor transfer among isolates of Salmonella in the northeastern United States: a comparison of human and animal isolates. Neu HC, et al. **J Infect Dis** 132(6):617–22, Dec 75

Transmissible drug resistance in Shigella and Salmonella isolated from pet monkeys and their owners. Fox JG. **J Med Primatol** 4(3):165–71, 1975

Detection of carcinogens as mutagens in the Salmonella/microsome test: assay of 300 chemicals. McCann J, et al. **Proc Natl Acad Sci USA** 72(12):5135–9, Dec 75

Detection of carcinogens as mutagens in the Salmonella/microsome test: assay of 300 chemicals: discussion. McCann J, et al. **Proc Natl Acad Sci USA** 73(3):950–4, Mar 76 (71 ref.)

[Drug resistance of the Salmonella isolated from poultry] Kandov P. **Vet Med Nauki** 13(5):61–4, 1976 (Eng. Abstr.) **(Bul)**

[Genetic map and structure in 'Escherichia coli' K12 of a resistance plasmid isolated from 'Salmonella ordonez' (author's transl)] Lesage DD, et al. **Ann Microbiol (Paris)** 126A(4):435–48, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Antibiotic resistance plasmids in Salmonella; ecology and epidemiology about one pattern: Salmonella panama (author's transl)] Mizon F, et al. **Rev Epidemiol Med Soc Sante Publique** 23(6):321–43, Sep 75 (Eng. Abstr.) **(Fre)**

[The development of antibiotics resistance among Salmonella bacteria of animal origin in the Federal Republic of Germany and Berlin (West). 3rd Communication: 1972 Annual Report (author's transl)] Stephan R, et al. **Zentralbl Bakteriol [Orig A]** 234(1):29–36, Jan 76 (Eng. Abstr.) **(Ger)**

[The development of antibiotics resistance among slamonella bacteria of animal origin in the Federal Republic of Germany and Berlin (West). 4th Communication: 1973 Annual Report (author's transl)] Stephan R, et al. **Zentralbl Bakteriol [Orig A]** 234(1):37–45, Jan 76 (Eng. Abstr.) **(Ger)**

[Considerations on the antibiotic activity (M.I.C.) revealed in 247 serotypes of Salmonella] Pitzus E, et al. **Boll Ist Sieroter Milan** 54(6):448–59, 1975 (Eng. Abstr.) **(Ita)**

['In vitro' drug resistance of Salmonella isolated from animals (author's transl)] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(1):39–43, Jan–Mar 73 (Eng. Abstr.) **(Por)**

[Antibiotic sensitivity of the Salmonella isolated from humans ill with salmonellosis in 1967–1974] Garanin BA. **Antibiotiki** 21(4):365–8, Apr 76 (Eng. Abstr.) **(Rus)**

[Antibiotic sensitivity of the Salmonella isolated from children in Krasnodar] Skupchenko KV, et al. **Antibiotiki** 21(3):237–8, Mar 76 (Eng. Abstr.) **(Rus)**

[Transmissivity of drug resistance in Salmonella] Zueva VS, et al. **Antibiotiki** (9):803–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Some data on the comparative chlorine resistance of Salmonella and Escherichia coli] Belakovskiĭ MS. **Gig Sanit** (4):96–8, Apr 76 **(Rus)**

[Resistance to medicinal substances in bacteria] Iskhakova TI. **Veterinariia** (6):58–9, Jun 75 **(Rus)**

[Resistance factors to antibiotics and sulfamides of enterobacteriaceae isolated from water and sediments of the middle Paraná river (region of Santa Fé–Paraná)] Tessi MA. **Rev Asoc Argent Microbiol** 6(2):62–74, May–Aug 74 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Proceedings: Comparative study of chloramphenicol acetyltransferases in salmonellae] Charpié MA, et al. **Pathol Microbiol (Basel)** 42(4):230–1, 1975 **(Fre)**

[Quantitative determination of beta-galactosidase activity in enterobacteria] Andreeva ZM, et al. **Lab Delo** (11):677–8, 1975 **(Rus)**

[Study of the enzymatic properties of Salmonella by a rapid method] Natenzon BN. **Veterinariia** (2):102–3, Feb 76 **(Rus)**

[Isoenzymes of malate dehydrogenase in Salmonella and Arizona bacteria] Kotova AL. **Zh Mikrobiol Epidemiol Immunobiol** (2):131–2, Feb 76 **(Rus)**

GROWTH & DEVELOPMENT

Growth of Staphylococcus and Salmonella on frankfurters with and without sodium nitrite. Bayne HG, et al. **Appl Microbiol** 30(5):844–9, Nov 75

The effect of temperature, solids content and pH on the survival of salmonellas in cattle slurry. Jones PW. **Br Vet J** 132(3):284–93, May–Jun 76

Survival of Salmonella east bourne and Salmonella typhimurium in chocolate. Tamminga SK, et al. **J Hyg (Camb)** 76(1):41–7, Feb 76

Effect of isolation media on recovery of rough variants of Salmonella. Langworth BF, et al. **Res Vet Sci** 20(1) Jan 76

[Growth and lipopolysaccharide content of salmonellae grown in submersed cultures according to the batch-method. 2. Communication: influence of growth phases on lipopolysaccharide synthesis (author's transl)] Schlecht S. **Zentralbl Bakteriol [Orig A]** 232(1):61–72, Jun 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Age-dependent resistance of chickens to salmonella in vitro: phagocytic and bactericidal activities of splenic phagocytes. Kodama H, et al. **Am J Vet Res** 37(9):1091–4, Sep 76

Stimulation by haptenic Salmonella polysaccharides of murine and rabbit lymphocytes. Bona C, et al. **Ann Immunol (Paris)** 126(2):191–9, Feb–Mar 75

Idiotypic specificities of rabbit anti-Salmonella abortus-equi antibodies produced by spleen cell clones involved in successive transfers in irradiated rabbits. Bordenave GR. **Ann Immunol (Paris)** 127(3–4):375–95, Jun–Jul 76

Antigenic structures of Salmonella flagella. I. Presence of an antigenic determinant exposed at one end of flagellar fragments. Dohi Y, et al. **Biken J** 19(1):15–28, Mar 76

Presence of Salmonella antigens in feces from a Peruvian mummy. Sawicki VA, et al. **Bull NY Acad Med** 52(7):805–13, Sep 76

Lectin or antibody column for the purification of antigens and antigenic fragments. pp. 715–8. Nghiêm HO, et al.

In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.

Evidence for O antigens as the antigenic determinants in 'ribosomal' vaccines prepared from Salmonella. Eisenstein TK. **Infect Immun** 12(2):364–77, Aug 75

Functional role of antibody against 'core' glycolipid of Enterobacteriaceae. Young LS, et al. **J Clin Invest** 56(4):850–61, Oct 75

Insolubilized Salmonella lipopolysaccharides as efficient immunoadsorbents for the preparation of specific Salmonella antisera. Eskenazy M, et al. **J Clin Microbiol** 2(5):368–72, Nov 75

Effect of lipopolysaccharide on the induction of tolerance to polymerized flagellin. Scott DW, et al. **J Immunol** 116(5):1220–3, May 76

Specific antibodies and heterologous antigensin monofactor sera. Barber C, et al. **Microbios** 12(47–48):77–82, 1975

Unrelatedness between agglutinations of bacteria and the presence of anti-polysaccharides in sera of Salmonellae from groups B and D. Barber C, et al. **Zentralbl Bakteriol [Orig A]** 233(2):180–7, Oct 75

The unfortunate role of precedent in bacteriology. I. The main antigens of salmonellae: the proteins. Barber C, et al. **Zentralbl Bakteriol [Orig A]** 234(1):53–9, Jan 76

Cross-protection induced in mice by immunizations with proteins of related bacteria species. Barber C, et al. **Zentralbl Bakteriol [Orig A]** 234(1):46–52, Jan 76

[Some properties of cytophil antibodies against the O-antigen of Salmonella abortusovis] Kovacheva K, et al. **Vet Med Nauki** 12(8):89–95, 1975 (Eng. Abstr.) **(Bul)**

[Study of Salmonella cultures. IV. Immunogenicity of Salmonella resistant to antibiotics] Minev M. **Vet Med Nauki** 12(9):66–73, 1975 (Eng. Abstr.) **(Bul)**

[Do immunization of rabbits by N-acetylgalactosamine and a disaccharide linked to a protein produce anti-microbial antibodies (author's transl)] Staub AM, et al. **Ann Immunol (Paris)** 126(1):31–40, Jan 75 (Eng. Abstr.) **(Fre)**

[Obtaining additional agglutinins by mixing culture media of lymphoid tissues taken from animals immunized with Salmonella paratyphi B] Corvazier P. **C R Acad Sci [D] (Paris)** 281(20):1541–4, 17 Nov 75 **(Fre)**

[Antigen-antibody dissociation and antigen recovery (author's transl)] pp. 685–91. Nghiêm HO.

In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m. (Eng. Abstr.) **(Fre)**

[New serological investigations into O-antigenic relations between Escherichia coli, Salmonella, Arizona and Citrobacter (author's transl)] Refai M, et al. **Zentralbl Bakteriol [Orig A]** 233(2):171–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Eight new Arizona serotypes with emphasis on 2 O-antigens previously only found in Salmonella (author's transl)] Rohde R, et al. **Zentralbl Bakteriol [Orig A]** 233(2):188–98, Oct 75 (Eng. Abstr.) **(Ger)**

[Chemical and serological characterization of Salmonella lipopolysaccharides from different phases of growth (author's transl)] Schlecht S, et al. **Zentralbl Bakteriol [Orig A]** 233(2):199–222, Oct 75 (Eng. Abstr.) **(Ger)**

[Transformation of Salmonella antigen and infection by phage: the role of the tail of epsilon 34 and C341 during adsorption] Iwashita S, et al. **Jpn J Bacteriol** 30(1):245, Jan 75 **(Jpn)**

[Immunologic capacity of ribosomal fractions prepared from Salmonella schottmuelleri and Salmonella typhimurium] Kita E, et al. **Jpn J Bacteriol** 30(1):254, Jan 75 **(Jpn)**

[Phagocytosis of Salmonella and bactericidal activity of splenic phagocytes of the chicken–effects of the age of the donor chickens and sensitization with viable or non-viable bacteria] Kodama H, et al. **Jpn J Bacteriol** 30(1):163, Jan 75 **(Jpn)**

[Immunogenic properties of S. choleraesuis for pigs] Służewska M, et al. **Pol Arch Weter** 17(4):599–608, 1975 (Eng. Abstr.) **(Pol)**

[Isolation of surface K-antigen from Salmonella cholerae suis by the method of preparative electrophoresis in polyacrylamide gel and the study of its properties] Denisova TP, et al. **Lab Delo** (12):738–42, 1975 **(Rus)**

[Bile agglutination reaction (BAR) as a method of diagnosis of carrier state of Salmonella typhi and paratyphi A and B] Lepekhin AV, et al. **Lab Delo** (12):744–6, 1975 **(Rus)**

[Production of polyvalent salmonellal sera] Maliavin AG, et al. **Veterinariia** (9):45–6, Sep 74 **(Rus)**

[Serologic interrelations of choleragen and the neurotoxins of enterobacteria] Kamzolkina NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):50–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Molecular heterogeneity of endotoxin preparations of the typhoid–paratyphoid group of bacteria. V. Induction of non-specific resistance to the action of bacterial toxins by high-molecular and low-molecular fractions] Shapiro NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):120–1, Apr 76 **(Rus)**

[Study of the antigenic structure of Salmonella by means of immunoelectrophoresis] Stepanova LK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):88–94, Oct 75 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of antigenic peculiarities and several other properties of stable long-term cultures of salmonella L-forms] Zubkov MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):38–42, 1976 (Eng. Abstr.) **(Rus)**

[Antigenic relationship between Candida santarmariae, Candida silvanorum and the Salmonella C1 group O antigen] Aksoycan N, et al. **Mikrobiyol Bul** 9(4):311–4, Oct 75 (Eng. Abstr.) **(Tur)**

[Antigenic relationship between Candida and Salmonella strains] Aksoycan N. **Mikrobiyol Bul** 10(1):79–95, Jan 76 (Eng. Abstr.) **(Tur)**

ISOLATION & PURIFICATION

On the persistence of bacteria in manure. A field and experimental study with special reference to Salmonella in liquid manure. Thunegard E. **Acta Vet Scand [Suppl]** (56):5–86, 1975

Salmonella heidelberg enteritis and bacteremia. An epidemic on two pediatric wards. Rice PA, et al. **Am J Med** 60(4):509–16, Apr 76

Salmonella and Arizona from snakes in the Judean desert (1974–1975). Greenberg Z, et al. **Ann Microbiol (Paris)** 127(3):383–90, Apr 76

Detection of salmonellae in foodstuffs, feces, and water by immunofluorescence. Cherry WB, et al. **Ann NY Acad Sci** 254:350–68, 30 Jun 75

Salmonella in horses: a source of contamination of horsemeat in a packing plant under federal inspection. Anderson GD, et al. **Appl Environ Microbiol** 31(5):661–3, May 76

Isolation of salmonellae and other potential pathogens from the freshwater aquarium snail Ampullaria. Bartlett KH, et al. **Appl Environ Microbiol** 31(5):635–9, May 76

Evaluation of an automated fluorescent antibody procedure for detection of Salmonella in foods and feeds. Munson TE, et al. **Appl Environ Microbiol** 31(4):514–21, Apr 76

Incidence of Salmonella spp., Clostridium botulinum, and Vibrio parahaemolyticus in an estuary. Sayler GS, et al. **Appl Environ Microbiol** 31(5):723–30, May 76

Comparison of enrichment procedures for fluorescent antibody and cultural detection of salmonellae in raw meat and poultry. Thomason BM, et al. **Appl Environ Microbiol** 31(5):787–8, May 76

Seasonal occurrence and distribution of microbial indicators and pathogens in the Rhode River of Chesapeake Bay. Carney JF, et al. **Appl Microbiol** 30(5):771–80, Nov 75

Evaluation of a semiautomated system for direct fluorescent antibody detection of salmonellae. Thomason BM, et al. **Appl Microbiol** 30(4):557–64, Oct 75

Dection of salmonellae in the environment. Thomason BM, et al. **Appl Microbiol** 30(5):764–7, Nov 75

A comparison of strontium selenite broth and mannitol-selenite-cystine broth in the isolation of

salmonellae from egg products. Chandler RA.
Aust J Exp Biol Med Sci 53(4):329–31, Aug 75
Recovery of 61 Salmonella serotypes from artificially contaminated turkey skin. Fagerberg DJ, et al.
Avian Dis 20(1):195–8, Jan–Mar 76
Examination of poultry litter for Salmonellae by direct culture and fluorescent antibody technique. Smyser CF, et al. **Avian Dis** 20(3):545–51, Jul–Sep 76
Editorial: Salmonellas in sausages. **Br Med J** 4(5998):669, 20 Dec 75
A Salmonella california contamination of a turkey feed concentrate. Hugh-Jones ME, et al. **Br Vet J** 131(6):673–80, Nov–Dec 75
Prevalence of Salmonella serotypes in India: a 61-year study. Basu S, et al. **Bull WHO** 52(3):331–6, 1975
Salmonella indiana (1, 4, 12 : Z : 1, 7) : a serotype isolated for the first time in India. Basu S, et al.
Indian J Med Res 63(1):170–1, Jan 75
Salmonellosis in poultry in India during 1958–1973. Basu S, et al. **Indian J Med Res** 63(10):1489–94, Oct 75
Studies on some epidemiological and public health aspects of salmonellosis. Sharma SK, et al.
Indian J Public Health 18(4):171–3, Oct–Dec 74
Opossums as a reservoir for Salmonellae. Thigpen JE, et al. **J Am Vet Med Assoc** 167(7):590–2, 1 Oct 75
Incidence of salmonellae in animal feed and the effect of pelleting on content of enterobacteriaceae. Stott JA, et al. **J Appl Bacteriol** 39(1):41–6, Aug 75
Enrichment in Muller–Kauffmann's broth and Rappaport's broth from buffered peptone water in the isolation of salmonellae from minced meat. Vassiliadis P, et al.
J Appl Bacteriol 40(3):349–54, Jun 76
Minimal medium recovery of thermally injured Salmonella senftenberg 4969. Wilson JM, et al. **J Appl Bacteriol** 40(3):365–74, Jun 76
Culture method for detection of Salmonella in dried active yeast: collaborative study. Poelma PL, et al.
J Assoc Off Anal Chem 59(4):731–33, Jul 76
Effect of temperature on transport and plating media for enteric pathogens. Taylor WI, et al. **J Clin Microbiol** 2(4):281–6, Oct 75
The isolation of salmonellas from British pork sausages and sausage meat. Roberts D, et al. **J Hyg (Camb)** 75(2):173–84, Oct 75
Distribution of Salmonellae in the digestive tract and lymph node of carrier-dogs. Tanaka Y, et al. **Jpn J Vet Sci** 38(03):215–24, Jun 76
A survey of aquarium fishes, their foods, and environmental water for salmonellae. Morse EV, et al. **Lab Anim Sci** 26(3):494–6, Jun 76
Xylose lysine deoxycholate agar: a useful enrichment subculture medium for Salmonellae. Wren MW.
Med Lab Technol 32(3):225–8, Jul 75
Dissemination of Salmonella serotypes from raw feed ingredients to chicken carcases. MacKenzie MA, et al.
Poult Sci 55(3):957–60, May 76
Antibiotic dipping studies in relation to uptake, embryonic development and Arizona hinshawii recoveries from turkey hatching eggs. Nivas SC, et al. **Poult Sci** 54(5):1597–64, Sep 75
Salmonella weltevreden: a sero-type of increasing public health importance in India. Basu S, et al.
Trop Geogr Med 27(4):387–94, Dec 75
Salmonellosis in apparently healthy dogs. Shimi A, et al. **Vet Rec** 98(6):110–1, 7 Feb 76
The occurrence of salmonellas in laboratory animals and a comparison of three enrichment methods used in their isolation. Koopman JP, et al. **Z Versuchstierkd** 17(3):155–8, 1975
Further studies on the presence of Salmonella in chickens and hens in the Netherlands. van Schothorst M, et al.
Zentralbl Veterinaermed [B] 21(9):723–8, Sep 74
[Study of the methods for detecting Salmonella in meat and viscera] Slavko I, et al. **Vet Med Nauki** 13(5):8–12, 1976 (Eng. Abstr.) **(Bul)**
[Is the presence of Salmonella pathogens in seagull feces of epidemiological significance?] Deleener J, et al.
Arch Belg Med Soc 32(9–10):575–81, Nov–Dec 74 (Eng. Abstr.) **(Dut)**
[3d survey of the presence of Salmonella in the canals of Brugges] van Oye E, et al. **Arch Belg Med Soc** 33(3):181–5, Mar 75 (Eng. Abstr.) **(Dut)**
[Salmonellae in calves] **Tijdschr Diergeneeskd** 101(13):739–40, 1 Jul 76 **(Dut)**
[Epidemiological studies on salmonella in a certain area ('Walcheren project'). II. Presence of salmonella in the mesenteric lymph nodes and rectal contents of normal pigs slaughtered in Walcheren (author's transl] Edel W, et al. **Tijdschr Diergeneeskd** 101(10):529–36, 15 May 76 (Eng. Abstr.) **(Dut)**
[Investigation of the incidence of Salmonella in the Faeces, mesenteric lymph glands, and intestinal wall (Peyer's patches) of normal pig carcases (author's transl)] Narucka U, et al. **Tijdschr Diergeneeskd** 101(12):669–73, 15 Jun 76 (Eng. Abstr.) **(Dut)**
[Quantitative studies for the presence of Salmonellae in deep frozen broiler chickens (author's transl)] Notermans S, et al. **Tijdschr Diergeneeskd** 100(12):648–53, 15 Jun 75 (Eng. Abstr.) **(Dut)**
[Three new serotypes of 'Salmonella' isolated from man (author's transl)] Le Minor L, et al.
Ann Microbiol (Paris) 125(4):509–11, Dec 74 (Eng. Abstr.) **(Fre)**
[Role of meat in the epidemiology of human Salmonella infections in Kinshasa] Van Pee W, et al.
Ann Soc Belg Med Trop 54(6):451–5, 1974 (Eng. Abstr.) **(Fre)**
[The Salmonellas isolated from rats and shrew-mice in the Saigon-Giadinh region] Nguyen-Van-Ai, et al.
Bull Soc Pathol Exot 67(6):579–82, Nov–Dec 74 (Eng. Abstr.) **(Fre)**
[New serotype of Salmonella of sub-strain II isolated in Greece: Salmonella 3,10 : 1,z–28 : 1,5] Papadakis JA, et al. **Bull Soc Pathol Exot** 68(2):151–2, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Proceedings: Splenic infarction as a result of salmonellosis] Hogedez G, et al. **Pediatrie** 30(3):312, Apr–May 75 **(Fre)**
[Isolation of Salmonella nairobi from an Indo-Brazilian zebu in the Republic of Zaire] Bertele F, et al.
Rev Elev Med Vet Pays Trop 28(1):17–9, 1975 (Eng. Abstr.) **(Fre)**
[Salmonella in the river Dyle (Belgium) (author's transl)] Congretel Y, et al.
Rev Epidemiol Med Soc Sante Publique 23(3):221–8, Apr–May 75 **(Fre)**
[Isolation of salmonella in river water: serotypes (author's transl)] Toussaint-Marchal N, et al.
Rev Epidemiol Med Soc Sante Publique 23(3):215–20, Apr–May 75 **(Fre)**
[Isolation of Salmonella in cats] Stoll L, et al.
Berl Munch Tieraerztl Wochenschr 88(23):455–6, 1 Dec 75 (Eng. Abstr.) **(Ger)**
[Salmonellas in surface waters—risk for bathers?] Albrecht J, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):59–64, 1975 **(Ger)**
[Incidence of Salmonella in coastal waters of the Kiel Bay from the epidemiological viewpoint] Waldvogel B.
Schriftenr Ver Wasser Boden Lufthyg (43):39–43, 1975 **(Ger)**
[Salmonella contamination of the Danube in Bratislava by sewage. 2nd communication (author's transl)] Kadlecová O. **Zentralbl Bakteriol [Naturwiss]** 130(2):144–56, 1975 (Eng. Abstr.) **(Ger)**
[Bread beetle (Stegobium paniceum L.) as Salmonella vector in fodder and fodder mixture (author's transl)] Cuturić S, et al. **Zentralbl Bakteriol [Orig A]** 232(4):545–8, Aug 75 (Eng. Abstr.) **(Ger)**
[Comparative studies of methods of salmonella enrichment (author's transl)] Pietzsch O, et al.
Zentralbl Bakteriol [Orig A] 232(2–3):232–46, Jul 75 (Eng. Abstr.) **(Ger)**
[Comparative study of different nutrient media used for the isolation of Salmonella in routine laboratories] Wokatsch R, et al. **Zentralbl Bakteriol [Orig A]** 234(3):287–93, Apr 76 **(Ger)**
[Epidemiology of salmonellae and fertilizing of grasland with sewage sludge (author's transl)] Hess E, et al.
Zentralbl Bakteriol [Orig B] 161(1):54–60, Sep 75 (Eng. Abstr.) **(Ger)**
[Official inquiry into the presence of salmonella in frozen slaughtered poultry on the German market (author's transl)] Siems H, et al. **Zentralbl Bakteriol [Orig B]** 160(1):84–97, 1975 (Eng. Abstr.) **(Ger)**
[Cross infection due to Salmonella Thompson in a pediatric clinical department] Ferrucci M, et al. **Ann Sclavo** 17(1):75–83, Jan–Feb 75 (Eng. Abstr.) **(Ita)**
[Strains of Salmonellae isolated at the District Laboratory for Hygiene and Prevention in Verona from 1966 to 1974: identification of various rare strains] Malesani SM, et al.
Ann Sclavo 17(5):717–23, SEP–OCT 75 (Eng. Abstr.) **(Ita)**
[Report on management of typhoid and paratyphoid fevers; result of phage-typing of the isolates and epidemiological studies in 1974] **J Jpn Assoc Infect Dis** 50(2):59–66, Feb 76 **(Jpn)**
[Arizona bacterium as a rare etiological factor in infantile diarrhea] Klinowska W, et al. **Pediatr Pol** 51(4):417–20, Apr 76 (Eng. Abstr.) **(Pol)**
[Salmonella bovis morbificans in clinical records] Mardarowicz C, et al. **Pol Tyg Lek** 31(2):57–60, 12 Jan 76 (Eng. Abstr.) **(Pol)**
[Comparative sensitivity of methods for isolating Salmonella from the soil] Bespiataia GP. **Gig Sanit** (7):72–6, Jul 75 **(Rus)**
[Findings of Salmonella in sewage and in the water of surface reservoirs] Cherkinskiĭ SN, et al. **Gig Sanit** (2):17–20, Feb 75 (Eng. Abstr.) **(Rus)**
[Possibility of using preservatives and media enrichment for the simultaneous isolation of vibrios, Shigella and Salmonella] Givental' NI, et al.
Zh Mikrobiol Epidemiol Immunobiol (4):135–6, Apr 75 **(Rus)**
[Biological characteristics of salmonellae isolated from different clinical disease forms] Ismailov FN.
Zh Mikrobiol Epidemiol Immunobiol (5):97–103, May 76 (Eng. Abstr.) **(Rus)**
[Utilization of the swarming phenomenon for the purpose of isolating pure cultures of salmonellae from feces. II] Litinskiĭ IuI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):73–8, Jun 76 (Eng. Abstr.) **(Rus)**
[Use of the swarming phenomenon for the purpose of isolating pure cultures of salmonellae from feces. I] Litinskiĭ IuI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):81–6, May 76 (Eng. Abstr.) **(Rus)**
[An accumulation medium for isolation of salmonellae and shigellae from sea water] Shiganova VL.
Zh Mikrobiol Epidemiol Immunobiol (5):146–7, May 76 **(Rus)**
[Septicemia caused by Salmonella bareilly] Ledermann GW, et al. **Rev Chil Pediatr** 46(1):9–12, Jan–Feb 75 (Eng. Abstr.) **(Spa)**
[First isolation of S. zanzibar in Turkey] Aksoycan N.
Mikrobiyol Bul 10(1):65–6, Jan 76 (Eng. Abstr.) **(Tur)**
[First isolation of S. newlands serotype in Turkey] Baykal M, et al. **Mikrobiyol Bul** 10(1):63–4, Jan 76 (Eng. Abstr.) **(Tur)**
[Salmonellae in urinary system infections] Baykal M.
Mikrobiyol Bul 9(4):315–9, Oct 75 (Eng. Abstr.) **(Tur)**
[First isolation of Salmonella thompson in Turkey] Berkman E, et al. **Mikrobiyol Bul** 9(4):291–2, Oct 75 (Eng. Abstr.) **(Tur)**
[Salmonellosis carrier state] Greshilo MS, et al.
Mikrobiol Zh 37(3):362–7, May–Jun 75 (Eng. Abstr.) **(Ukr)**
[Biological properties of the causative agents of salmenollosis in children] Grishchenko RI, et al.
Pediatr Akush Ginekol (2):23–4, Mar–Apr 76 **(Ukr)**

METABOLISM

Cell wall lipopolysaccharide response to the ColIb plasmid mutants. Derylo M, et al. **Acta Microbiol Pol** 25(2):109–12, 1976
Streptomycin and temperature sensitivity of colicin-like activity in Salmonella cultures. Atkinson N.
Aust J Exp Biol Med Sci 54(1):91–6, Feb 76
Enzymic and molecular properties of base-plate parts of bacteriophage P22. Iwashita S, et al. **Eur J Biochem** 65(1):87–94, 17 May 76
Utilization of amino acids and carbohydrates by Salmonella serotypes at 22 degrees and 12 degrees. Liston J, et al.
J Appl Bacteriol 40(1):115–7, Feb 76
Plasmid-determined ability of a Salmonella tennessee strain to ferment lactose and sucrose. Johnson EM, et al.
J Bacteriol 125(1):385–6, Jan 76
DNA restriction and modification systems in Salmonella. SQ, a new system derived by recombination between the SB system of Salmonella typhimurium and the SP system of Salmonella potsdam. Bullas LR, et al. **J Gen Microbiol** 95(1):166–72, Jul 76
Temporary expression of flagellar phase-1 in phase-2 clones of diphasic Salmonella. Iino T, et al. **J Gen Microbiol** 89(2):265–76, Aug 75
DNA restriction and modification systems in Salmonella. III. SP, a Salmonella potsdam system allelic to the SB system in Salmonella typhimurium. Bullas LR, et al.
Mol Gen Genet 139(3):177–88, 27 Aug 75
Release of O antigen polysaccharide from Salmonella newington by phage epsilon 34. Iwashita S, et al.
Virology 68(1):27–34, Nov 75
[Biochemical identification of Salmonella and coli bacteria and their sensitivity to chemotherapeutic agents] Kokosharov T. **Vet Med Nauki** 13(4):92–8, 1976 (Eng. Abstr.) **(Bul)**
[Consumption of different amino acids during deep cultivation of S. gallinarum-pullorum] Rezashka A.
Vet Med Nauki 11(9):13–7, 1974 (Eng. Abstr.) **(Bul)**

PATHOGENICITY

A comparative study of liver changes produced by inoculating pregnant rats with Salmonella dublin or with its endotoxin. Hall GA. **Br J Exp Pathol** 56(3):216–22, Jun 75
The virulence of trimethoprim-resistant thymine-requiring strains of Salmonella. Smith HW, et al. **J Hyg (Camb)** 76(1):97–108, Feb 76
Letter: Small infectious doses of salmonella. **Lancet** 1(7969):1130, 22 May 76
Letter: Small infectious doses of Salmonella. D'Aoust JY, et al. **Lancet** 1(7964):866, 17 Apr 76
Letter: Infecting dose of Salmonella. Lipson A. **Lancet** 1(7966):969, 1 May 76
[Pathogenicity of some microorganisms for chicken gnotobiotes] Moskalik RS, et al. **Veterinariia** (3):57–8, Mar 76 **(Rus)**
[Effect of depressing the virulence of a Salmonella guertnera strain with an avirulent strain of the same species] Mikhailov IF, et al.
Zh Mikrobiol Epidemiol Immunobiol 0(9):132–3, Sep 75 **(Rus)**
[Some controversial questions on the epidemiology of intestinal infections. Report I. Significance of the dose and the biological properties of the causative agent in the epidemiology and the clinical picture of salmonelloses and dysentery] Zaritskiĭ AM, et al.
Zh Mikrobiol Epidemiol Immunobiol (12):25–30, Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The chemotactic response in bacteria. pp. 133–60. Koshland DE Jr.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.
Cinemicrographic analysis of the movement of flagellated bacteria. II. The ratio of the propulsive velocity to the frequency of the wave propagation along flagellar tail. Shimada K, et al. **J Mechanochem Cell Motil** 3(3):185–93, Mar 76
Cinemicrographic analysis of the movement of flagellated bacteria. I. The ratio of the propulsive velocity to the frequency of bodily rotation. Yoshida T, et al.

J Mechanochem Cell Motil 3(2):87–98, 1975

[Comparative characteristics of several properties of salmonellae and Escherichia coli] Belakovskiĭ MS, et al. Zh Mikrobiol Epidemiol Immunobiol (1):136–7, Jan 76 (Rus)

RADIATION EFFECTS

[Pasteurization of fish flour through irradiation. 1st communication. Determination of the most rational radiation dose for killing Salmonella in contaminated fish flour] Reusse U, et al. Zentralbl Veterinaermed [B] 23(2):158–70, Mar 76 (Eng. Abstr.) (Ger)

[Participation of the uvr–12 gene of Salmonella abony in the excision pathway to repair of DNA damage] Andreeva IV, et al. Genetika 9(11):177–80, Nov 73 (Eng. Abstr.) (Rus)

SALMONELLA ENTERITIDIS

[Enteritis–Salmonellae as a cause of unusual infection courses] Preac–Mursic. Munch Med Wochenschr 118(26):863–4, 25 Jun 76 (Ger)

[Incidence of Salmonella serotypes in the city of Rio de Janeiro] Hofer E. Mem Inst Oswaldo Cruz 72(1–2):63–72, 1974 (Eng. Abstr.) (Por)

CYTOLOGY

[Induced filament formation in Salmonella enteritidis by means of sodium chloride] Baykal M. Mikrobiyol Bul 10(2):169–78, Feb 76 (Eng. Abstr.) (Tur)

DRUG EFFECTS

[Resistance to antibiotics such as furazolidone and sulfathiazole of S. typhimurium and S. enteritidis strains isolated from humans and animals in 1960–1973] Lalko J. Med Dosw Mikrobiol 27(3):215–22, 1975 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Unusual Enterobacteriaceae: a Salmonella cubana that is urease positive. Farmer JJ 3d, et al. J Clin Microbiol 1(1):106–7, Jan 75

GROWTH & DEVELOPMENT

Starvation survival of Salmonella enteritidis. Druilhet RE, et al. J Bacteriol 125(1):119–24, Jan 76

IMMUNOLOGY

Salmonella enteritidis infection in rats: antigens involved in cell–mediated immunity. Marks RM, et al. Aust J Exp Biol Med Sci 53(4):315–24, Aug 75

Investigations on the subcellular localization of O–antigens in Salmonella enteritidis by Means of Ferritin–conjugated antibody technique. Hama S, et al. Yonago Acta Med 17(3):207–15, Dec 73

Profuse fimbriae conferring O–inagglutinability to several strains of S. typhi–murium and S. enteritidis isolated from pasta products. Cultural, morphological, and serological experiments. Rohde R, et al. Zentralbl Bakteriol [Orig A] 230(1):38–50, Jan 75

ISOLATION & PURIFICATION

Letter: Colonic involvement in salmonellosis. Lancet 2(7976):102, 10 Jul 76

[Phage typing of strains of S. enteritidis isolated in Bulgaria] Slavkov I, et al. Vet Med Nauki 12(7):55–60, 1975 (Eng. Abstr.) (Bul)

[Case of plating out the causative agent of intestinal infections from the oral cavity] Zhukov AG. Zh Mikrobiol Epidemiol Immunobiol (8):145, Aug 75 (Rus)

PATHOGENICITY

Decrease in the virulence of fosfomycin–resistant Salmonella enteritidis strains. pp. 535–8. Kurashige S, et al. In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Effect of the quality of the lipopolysaccharide on mouse virulence of Salmonella enteritidis. Valtonen MV, et al. Infect Immun 12(4):828–32, Oct 75

Role of host factors in the pathogenesis of Salmonella–associated arthritis in rats. Volkman A, et al. Infect Immun 13(4):1155–60, Apr 76

[Influence of mutation in the gene–suppressor su–str on the virulence of Salmonella enteritidis] Likhoded VG, et al. Zh Mikrobiol Epidemiol Immunobiol (3):23–8, 1976 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Resistance of the Salmonella used for deratization to some environmental factors] Omel'ianets TG. Gig Sanit (4):99–101, Apr 76 (Rus)

SALMONELLA FOOD POISONING

COMPLICATIONS

Colonic involvement in salmonellosis. Mandal BK, et al. Lancet 1(7965):887–8, 24 Apr 76

[Salmonella–enteritis among users of a communal dining room (author's transl)] Schmid W, et al. Oeff Gesundheitswes 37(12):794–9, Dec 75 (Eng. Abstr.) (Ger)

[Meningeal lesions in salmonellosis] Korchinskaia TA. Vrach Delo (12):126–7, Dec 75 (Rus)

DIAGNOSIS

[Case of food poisoning caused by Salmonella typhimurium] Kotovskaia VS, et al. Vrach Delo (9):146–7, Sep 75 (Rus)

[Clinical characteristics of salmonellosis caused by different types of pathogens] Usenko AD, et al. Vrach Delo (11):132–5, Nov 75 (Eng. Abstr.) (Rus)

[Improvement of the serological diagnosis of food poisoning] Tendetnik Iula, et al. Zh Mikrobiol Epidemiol Immunobiol (4):105–10, Apr 75 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Effectiveness of peroral and infusion methods of rehydration in salmonellosis] Arshinov PS. Klin Med (Mosk) 54(2):98–101, Feb 76 (Eng. Abstr.) (Rus)

METABOLISM

[Aldosterone in the urine among characteristics of sodium homeostasis in patients with food poisoning] Bunin KV, et al. Klin Med (Mosk) 52(2):3–2, Feb 74 (Rus)

MICROBIOLOGY

Letter: Small infectious doses of Salmonella. D'Aoust JY, et al. Lancet 1(7964):866, 17 Apr 76

[Salmonella bovis morbificans in clinical records] Mardarowicz C, et al. Pol Tyg Lek 31(2):57–60, 12 Jan 76 (Eng. Abstr.) (Pol)

MORTALITY

Letter: Colonic involvement in salmonellosis. Boyd JF. Lancet 1(7974):1415, 26 Jun 76

OCCURRENCE

[Some epidemiological and microbiological aspects of food poisoning due to Salmonellae] Hibšer M, et al. Lijec Vjesn 97(11):635–7, Nov 75 (Eng. Abstr.) (Cro)

[An outbreak of Salmonella enteritidis toxinfection in the area of Paterno (Catania)] Patti AM, et al. Ann Ist Super Sanita 10(1–2):43–6, 1974 (Eng. Abstr.) (Ita)

[Mass food poisoning caused by Salmonella dublin] Więclawska–Rams Z, et al. Przegl Epidemiol 30(2):275–8, 1976 (Eng. Abstr.) (Pol)

[Clinico–epidemiological characteristics of salmonellosis in 1972] Duka TV, et al. Vrach Delo (11):129–32, Nov 75 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Renal hemodynamics in patients with salmonellosis] Nikiforov VN, et al. Sov Med (6):138–9, Jun 75 (Rus)

PREVENTION & CONTROL

Thermal susceptibility of Salmonella in the Moroccan food snail, Helix aspersa. Andrews WH, et al. J Assoc Off Anal Chem 58(6):1159–61, Nov 75

Editorial: Salmonellosis prevention. J Trop Med Hyg 79(3):45, Mar 76

[Food hygiene from the point of view of the public health department (author's transl)] Eschner E, et al. Oeff Gesundheitswes 38(8):506–9, Aug 76 (Eng. Abstr.) (Ger)

SALMONELLA HIRSCHFELDII see under SALMONELLA

SALMONELLA INFECTIONS

Salmonella arthritis from a tortoise. May AR. Br J Clin Pract 29(8):217, Aug 75

Uncommon manifestations of Salmonella infections. Koshi G. Indian J Med Res 64(2):314–21, Feb 76

Proceedings: Three studies in environmental contamination in a laboratory engaged in salmonella isolation. Harvey RW, et al. J Clin Pathol 28(9):753, Sep 75

Letter: Colonic involvement in salmonellosis. Thomas M, et al. Lancet 1(7969):1129–30, 22 May 76

Familial surgical intracranial infections. Adams WE, et al. Va Med Mon 103(2):127–8, 165, Feb 76

[Colitis due to Salmonella typhimurium] Rutgeerts P, et al. Tijdschr Gastroenterol 18(6):367–79, 1975 (Dut)

[Enteritis–Salmonellae as a cause of unusual infection courses] Preac–Mursic. Munch Med Wochenschr 118(26):863–4, 25 Jun 76 (Ger)

[Salmonella infections] Hiraishi H. J Jpn Assoc Infect Dis 49(8):315–6, Aug 75 (Jpn)

[Amebic liver abscess associated with Salmonella typhi bacteremia] Gorecka M. Wiad Lek 28(16):1395–8, 15 Aug 75 (Eng. Abstr.) (Pol)

[Clinical characteristics of Salmonella infection] Lipkovskiĭ VF, et al. Vrach Delo (2):128–31, Feb 76 (Rus)

[Typhoid fever and Salmonella gastroenteritis in children (author's transl)] Hawkins Carranza F, et al. An Esp Pediatr 8(6):663–9, Nov–Dec 75 (Eng. Abstr.) (Spa)

BLOOD

Role of plasma filtration in the intestinal fluid secretion mediated by infection with Salmonella typhimurium. Giannella RA, et al. Infect Immun 13(2):470–4, Feb 76

[Activity of lysozymes in blood serum of rabbits with experimental salmonellosis (Salmonella agona) (author's transl)] Prokopowicz D, et al. Zentralbl Bakteriol [Orig A] 233(1):38–42, Sep 75 (Eng. Abstr.) (Ger)

COMPLICATIONS

Salmonella heidelberg enteritis and bacteremia. An epidemic on two pediatric wards. Rice PA, et al. Am J Med 60(4):509–16, Apr 76

Wound dehiscence after cholecystectomy and salmonella infection. Saik RP. Am Surg 42(5):350–1, May 76

Sideroblastic anemia with splenic abscess and fatal thromboemboli after splenectomy. Aleali SH, et al. Ann Intern Med 83(5):661–3, Nov 75

Pyonephrosis due to salmonella cholerae–suis variant kunzendorf. Altmann G, et al. Infection 3(3):173–4, 1975

Salmonella lithiasis. Hasham AI, et al. J Urol 115(1):110–1, Jan 76

Letter: Leg abscesses caused by Salmonella heidelberg. Kurtz JB. Lancet 1(7952):200–1, 24 Jan 76

[Salmonella bacteremia and cerebral malaria. A case with fatal coincidence of 2 imported diseases] Matzen P, et al. Ugeskr Laeger 138(3):157–8, 12 Jan 76 (Eng. Abstr.) (Dan)

[Proceedings: Splenic infarction as a result of salmonellosis] Hogedez G, et al. Pediatrie 30(3):312, Apr–May 75 (Fre)

[Salmonella cholerae suis var. Kunzendorf infection and splenic abscess] Sámik J, et al. Orv Hetil 117(7):413–5, 15 Feb 76 (Hun)

[Osteomyelitis due to Salmonellae in sickle cell anemia] Gemme G, et al. Minerva Pediatr 28(1):26–31, 14 Jan 76 (Eng. Abstr.) (Ita)

[Complications of salmonellosis in pediatric age. Description of 15 cases] Scarabicchi S, et al. Minerva Pediatr 27(5):313–20, 18 Feb 75 (Eng. Abstr.) (Ita)

[Case of meningitis due tp salmonella typhimurium] Esposito L, et al. Pediatria (Napoli) 83(4):786–92, 31 Dec 75 (Eng. Abstr.) (Ita)

[Salmonellosis of prolonged course associated with hepatic–splenic schistosomiasis mansoni. Analysis of 7 cases] Ferreira JM, et al. Rev Hosp Clin Fac Med Sao Paulo 31(3):144–50, May–June 76 (Eng. Abstr.) (Por)

[Case of Salmonella osteomyelitis in a 10–year–old girl with sickle–cell thalassemia] Nazarli AG, et al. Probl Gematol Pereliv Krovi 21(1):61–3, Jan 76 (Rus)

[Possibilities of development of infectious–toxic shock in some infectious diseases] Bunin KV, et al. Ter Arkh 47(8):27–32, 1975 (Eng. Abstr.) (Rus)

DIAGNOSIS

Febrile illnesses resulting in hospital admission: a bacteriological and serological study in Jakarta, Indonesia. Anderson KE, et al. Am J Trop Med Hyg 25(1):116–21, Jan 76

[Septicemia due to Salmonella wien. Diagnostic, therapeutic and epidemiologic problems] Domart A, et al. Ann Med Interne (Paris) 125(12):915–8, Dec 74 (Fre)

[Retrospective analysis of Widal's serodiagnosis in an internal medicine department] Youinou P, et al. Sem Hop Paris 52(22–23):1389–92, 9–16 Jun 76 (Eng. Abstr.) (Fre)

[Samonella (author's transl)] Wundt W. Oeff Gesundheitswes 38(4):205–9, Apr 76 (Eng. Abstr.) (Ger)

[Selection, among children in early infancy, of patients or carriers of Salmonella and Shigella, by means of coproculture at the time of admission to the hospital] Cava L, et al. Minerva Pediatr 27(25):1372–6, 4 Aug 75 (Ita)

[Bile agglutination reaction (BAR) as a method of diagnosis of carrier state of Salmonella typhi and paratyphi A and B] Lepekhin AV, et al. Lab Delo (12):744–6, 1975 (Rus)

[Clinical characteristics of Salmonella infection in infants] Vorotyntseva NS, et al. Vopr Okhr Materin Det 20(9):17–21, Sep 75 (Rus)

[Study of serum antibodies of different classes as a methods of defining the genesis of transitory salmonella carrier state] Bunin KV, et al. Zh Mikrobiol Epidemiol Immunobiol (3):128–9, Apr 76 (Rus)

DRUG THERAPY

Salmonella meningitis treatment with intravenous trimethoprim. Briggs AE, et al. Aust NZ J Med 5(4):364–6, Aug 75

Decrease in the virulence of fosfomycin–resistant Salmonella enteritidis strains. pp. 535–8. Kurashige S, et al. In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Choice of antimicrobial agents in enteric fever. Uwaydah M. J Antimicrob Chemother 1(2):135–7, Jun 75

The effect of antibiotic therapy on the faecal excretion of Salmonella typhimurium by experimentally infected chickens. Smith HW, et al. J Hyg (Camb) 75(2):275–92,

Oct 75
Experience of co-trimoxazole in the treatment of Salmonella and Shigella infections. Franzén C.
Scand J Infect Dis [Suppl] (8):79–80, 1976
[Transitory agranulocytosis of toxic origin in a child (during treatment with oxyphenylbutazone and sulfamethoxazole-trimethoprim)] Lagarde B, et al.
Bull Soc Med Afr Noire Lang Fr 19(2):188–91, 1974 (Eng. Abstr.) **(Fre)**
[Letter: Salmonelloses therapy] Knothe H.
Dtsch Med Wochenschr 101(27):1043, 2 Jul 76 **(Ger)**
[Current therapeutic problems in minor salmonella infections] Robert L. **Clin Ter** 73(1):3–19, 15 Apr 75 **(Ita)**
[Use of cotrimexazole in the treatment of septicemia caused by Salmonella] Banfi A, et al. **Rev Chil Pediatr** 46(1):21–3, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Salmonella infection and host reaction, with special reference to enzymatic and histochemical studies] Ozawa A, et al. **Jpn J Bacteriol** 30(1):114, Jan 75 **(Jpn)**

ETIOLOGY

Salmonella arthritis from a tortoise. May AR.
Br J Clin Pract 29(8):217, Aug 75
Pathogenesis of Salmonella-mediated intestinal fluid secretion. Activation of adenylate cyclase and inhibition by indomethacin. Giannella RA, et al. **Gastroenterology** 69(6):1238–45, Dec 75
Salmonella and shigella infections. pp. 259–68. Schwartz AR.
In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974. (52 ref.)
Salmonellosis in a human infant, a cat, and two parakeets in the same household. Madewell BR, et al.
J Am Vet Med Assoc 167(12):1089–90, 15 Dec 75
Letter: Small infectious doses of salmonella. **Lancet** 1(7969):1130, 22 May 76
Editorial: Salmonellosis. **Med J Aust** 1(15):515–6, 10 Apr 76
[Generalized familial semibenign BCG infection, salmonella osteomyelitis and intestinal pseudotuberculosis--due to a familial defect of the macrophage system? (author's transl)] Heyne K. **Eur J Pediatr** 121(3):179–89, 4 Feb 76 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Familial surgical intracranial infections. Adams WE, et al.
Va Med Mon 103(2):127–8, 165, Feb 76

IMMUNOLOGY

Salmonella enteritidis infection in rats: antigens involved in cell-mediated immunity. Marks RM, et al.
Aust J Exp Biol Med Sci 53(4):315–24, Aug 75
Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica antigens. Corbel MJ.
Br Vet J 131(5):625–6, Sep–Oct 75
Characterization of monkey peripheral neutrophil granules during infection. Rausch PG, et al. **Infect Immun** 12(3):687–93, Sep 75
Cell-mediated immune response to Salmonella typhimurium infection in mice: development of nonspecific bactericidal activity against Listeria monocytogenes. Zinkernagel RM.
Infect Immun 13(4):1069–13, Apr 76
Inhibition of macrophage migration in Salmonella immunity. Cameron CM, et al. **Onderstepoort J Vet Res** 42(1):15–24, Mar 75
HL-A27 and reactive arthritis in an outbreak of salmonellosis. Håkansson U, et al. **Tissue Antigens** 6(5):366–7, Nov 75
Cross-protection induced in mice by immunizations with proteins of related bacteria species. Barber C, et al.
Zentralbl Bakteriol [Orig A] 234(1):46–52, Jan 76

METABOLISM

[Some pathomorphological bases for the disorders of the tissue amino acid pool in Salmonella infection] Usmanov MK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):104–8, May 75 (Eng. Abstr.) **(Rus)**
[Changes in bile physicochemical indexes in experimental Salmonella typhimurium carrier state] Nikolenko IuI.
Mikrobiol Zh 37(5):642–5, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

MICROBIOLOGY

Nosocomial Salmonella epidemic. Lintz D, et al.
Arch Intern Med 136(9):968–73, Sep 76
Studies on some epidemiological and public health aspects of salmonellosis. Sharma SK, et al.
Indian J Public Health 18(4):171–3, Oct–Dec 74
Unusual Enterobacteriaceae: lactose-positive Salmonella typhimurium which is endemic in São Paulo, Brazil. Falcão DP, et al. **J Clin Microbiol** 2(4):349–53, Oct 75
Antimicrobial resistance and R-factor transfer among isolates of Salmonella in the northeastern United States: a comparison of human and animal isolates. Neu HC, et al.
J Infect Dis 132(6):617–22, Dec 75
Letter: Colonic involvement in salmonellosis. **Lancet** 2(7976):102, 10 Jul 76
Letter: Thymine-requiring bacteria. Hayer LJ, et al.
Lancet 1(7968):1080, 15 May 76
Letter: Colonic involvement in salmonellosis. Nichols GL, et al. **Lancet** 2(7979):253, 31 Jul 76
[Phage typing of strains of S. enteritidis isolated in Bulgaria] Slavkov I, et al. **Vet Med Nauki** 12(7):55–60, 1975 (Eng. Abstr.) **(Bul)**
[The Salmonellas isolated from rats and shrew-mice in the Saigon-Giadinh region] Nguyen-Van-Ai, et al.
Bull Soc Pathol Exot 67(6):579–82, Nov–Dec 74 (Eng. Abstr.) **(Fre)**
[Ten new serotypes of Salmonella subgenus I isolated from healthy carriers in Togo (West africa). Bockemühl J, et al. **Zentralbl Bakteriol [Orig A]** 233(1):43–9, Sep 75 (Eng. Abstr.) **(Ger)**
[Salmonella meningitis in infancy] Groák V, et al.
Orv Hetil 117(2):97–8, 11 Jan 76 **(Hun)**
[Incidence of Salmonella serotypes in the city of Rio de Janeiro] Hofer E. **Mem Inst Oswaldo Cruz** 72(1–2):63–72, 1974 (Eng. Abstr.) **(Por)**
[Antibiotic sensitivity of the Salmonella isolated from humans ill with salmonellosis in 1967–1974] Garanin BA.
Antibiotiki 21(4):365–8, Apr 76 (Eng. Abstr.) **(Rus)**
[Biological characteristics of salmonellae isolated from different clinical disease forms] Ismailov FN.
Zh Mikrobiol Epidemiol Immunobiol (5):97–103, May 76 (Eng. Abstr.) **(Rus)**
[Virulence and multiresistance to drugs of epidemic strains of S. typhimurium isolated in children's hospitals of South America. I. Comparative virulence for mice of epidemic and nonepidemic strains of S. typhimurium] Peluffo CA, et al. **Mem Inst Butantan** 38:1–12, 1974 (Eng. Abstr.) **(Spa)**
[Septicemia caused by Salmonella bareilly] Ledermann GW, et al. **Rev Chil Pediatr** 46(1):9–12, Jan–Feb 75 (Eng. Abstr.) **(Spa)**
[Salmonellae in urinary system infections] Baykal M.
Mikrobiyol Bul 9(4):315–9, Oct 75 (Eng. Abstr.) **(Tur)**
[Salmonellosis carrier state] Greshilo MS, et al.
Mikrobiol Zh 37(3):362–7, May–Jun 75 (Eng. Abstr.) **(Ukr)**
[Localization of Salmonella typhimurium in the body in chronic bacterial carrier state] Kondratenko GP, et al.
Mikrobiol Zh 37(1):93–7, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**
[Biological properties of the causative agents of salmenollosis in children] Grishchenko RI, et al.
Pediatr Akush Ginekol (2):23–4, Mar–Apr 76 **(Ukr)**

MORTALITY

[Letter: Cerebral and cerebrocortical necrosis caused by Salmonella kapemba infection] Horvath I. **Orv Hetil** 117(29):1793–4, 18 Jul 76 **(Hun)**

OCCURRENCE

Salmonella oslo. A focal outbreak in a hospital. Chmel H, et al. **Am J Med** 60(2):203–8, Feb 76
From the Center for Disease Control: salmonellosis in the United States, 1968–1974. Ryder RW, et al.
J Infect Dis 133(4):483–6, Apr 76
Protracted infection with Salmonella bareilly in a maternity hospital. Mendis NM, et al. **J Trop Med Hyg** 79(7):142–50, Jul 76
Letter: Outbreak of Salmonella agona in Italy. Bartolozzi G, et al. **Lancet** 2(7893):1386, 7 Dec 74
Salmonella infections in Stockholm. A 10-year review. Hellström L. **Scand J Infect Dis** 7(2):117–22, 1975
Salmonella weltevreden: a sero-type of increasing public health importance in India. Basu S, et al.
Trop Geogr Med 27(4):387–94, Dec 75
Salmonellosis and shigellosis in Togo (West Africa), 1971–1973. I. Carrier rates in the rural population. Bockemühl J. **Tropenmed Parasitol** 27(1):112–20, Mar 76
Salmonella surveillance in 1973. Delon PJ. **WHO Chron** 30(6):240–2, Jun 76
[Incidence of Salmonellas in the region of the capital of Prague in the period from 1952 till 1971 (author's transl)] Stejskalová M, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(3):161–9, May 75 (Eng. Abstr.) **(Cze)**
[Role of meat in the epidemiology of human Salmonella infections in Kinshasa] Van Pee W, et al.
Ann Soc Belg Med Trop 54(6):451–5, 1974 (Eng. Abstr.) **(Fre)**
[Digestive salmonellosis in South Vietnam] Nguyen-Van-Ai, et al. **Bull Soc Pathol Exot** 68(2):152–9, Mar–Apr 75 **(Fre)**
[Salmonella infections in upper volta (author's transl)] Ricossé JH, et al.
Rev Epidemiol Med Soc Sante Publique 23(1):39–51, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Salmonellosis: retrospective study of 136 cases hospitalized at the C.H.U. of Tours] Bardie F, et al.
Sem Hop Paris 51(9):581–91, 20 Feb 75 (Eng. Abstr.) **(Fre)**
[Regional development of salmonelloses (author's transl)] Eschment R. **Oeff Gesundheitswes** 37(10):612–8, Oct 75 (Eng. Abstr.) **(Ger)**
[Incidence of human salmonellosis and frequency of salmonellae in waters of the area of Braunschweig during 21 years (author's transl)] Popp L. **Oeff Gesundheitswes** 37(10):350–63, Oct 75 (Eng. Abstr.) **(Ger)**
[Salmonellas in surface waters--risk for bathers?] Albrecht J, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):59–64, 1975 **(Ger)**
[Incidence of Salmonella in coastal waters of the Kiel Bay from the epidemiological viewpoint] Waldvogel B.
Schriftenr Ver Wasser Boden Lufthyg (43):39–43, 1975 **(Ger)**
[Salmonella and Shigella findings in a large city (1968–1972)] Nass W. **Z Gesamte Hyg** 21(2):145–9, Feb 75 (Eng. Abstr.) **(Ger)**
[Letter: Clinical and laboratory studies on recent and numerous cases of infantile Salmonellosis] Nigro N, et al.
Minerva Pediatr 27(36):2034, 17 Nov 75 **(Ita)**
[Etioepidemiologic evolution of salmonellosis in the Province of Forlì] Cirillo G. **Quad Sclavo Diagn** 10(3):403–11, Sep 74 (Eng. Abstr.) **(Ita)**
[Salmonella agona infections in infants in the Warsaw Province] Zaorska B, et al. **Pediatr Pol** 50(9):1137–42, Sep 75 (Eng. Abstr.) **(Pol)**
[Salmonella kottbus infections in the City of Łódź in the years 1972–1975] Niedzielska H, et al. **Pol Tyg Lek** 31(19):809–10, 10 May 76 (Eng. Abstr.) **(Pol)**
[Occurrence of salmonellosis of animal origin in the City of Białystok in the years 1965–1974] Jeżyna C, et al.
Przegl Epidemiol 30(2):207–15, 1976 (Eng. Abstr.) **(Pol)**
[Ecological relations of Salmonella en Chile] Cordano AM, et al. **Bol Of Sanit Panam** 81(1):44–9, Jul 76 (Eng. Abstr.) **(Spa)**
[Salmonellosis in a clinic of internal medicine] Rodríguez Cuartero A, et al. **Rev Clin Esp** 139(5):407–13, 15 Dec 75 (Eng. Abstr.) **(Spa)**
[Salmonelloses in children according to data of the Ivano-Frankivs'koĭ infection clinic] Shuhallo VT, et al.
Pediatr Akush Ginekol (6):8–9, Nov–Dec 75 **(Ukr)**

PATHOLOGY

The role of altered intestinal permeability in the pathogenesis of salmonella diarrhea in the rhesus monkey. Kinsey MD, et al. **Gastroenterology** 71(3):429–34, Sep 76
Dialogue: fever and abdominal mass. **Postgrad Med** 59(5):275–8, May 76
[Pathomorphosis of Salmonella infections] Robert L, et al.
Recent Prog Med (Roma) 58(1):1–26, Jan 75 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Changes of electrocardiography in salmonelloses and shigelloses] Maretić Z, et al. **Z Kardiol** 65(6):567–74, Jun 76 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Salmonellosis in mice: immunization experiments with salmonella-escherichia coli hybrids. Kiefer W, et al.
Infect Immun 13(5):1517–8, May 76
Contribution to the study of live streptomycin-dependent Salmonella vaccines: the problem of reversion to a virulent form. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):203–14, Oct 75
Immunization of mice and guinea-pigs against Salmonella dublin infection with live and inactivated vaccine. Cameron CM, et al. **Onderstepoort J Vet Res** 42(2):63–9, Jun 75
Salmonella control in certain European countries. Watson WA. **R Soc Health J** 96(1):21–5, Feb 76
[Proceedings: The efficacy testing of Salmonella typhi vaccines in animal experiments] Illés J.
Pathol Microbiol (Basel) 42(4):225–7, 1975 **(Ger)**

TRANSMISSION

An outbreak of salmonellosis propagated by person-to-person transmission on an Indian reservation. Loewenstein MS. **Am J Epidemiol** 102(3):257–62, Sep 75
Salmonella infections of man derived from animals. McCoy JH. **R Soc Health J** 96(1):25–30, Feb 76
Salmonella surveillance. **WHO Chron** 29(6):236–40, Jun 75
[Some controversial questions on the epidemiology of intestinal infections. Report I. Significance of the dose and the biological properties of the causative agent in the epidemiology and the clinical picture of salmonelloses and dysentery] Zaritskiĭ AM, et al.
Zh Mikrobiol Epidemiol Immunobiol (12):25–30, Dec 75 (Eng. Abstr.) **(Rus)**

SALMONELLA INFECTIONS, ANIMAL

Fascioliasis and salmonellosis in African elephants in captivity. Windsor RS, et al. **Br Vet J** 132(3):313–7, May–Jun 76
Salmonellosis in Equidae: a study of 23 cases. Morse EV, et al. **Cornell Vet** 66(2):198–213, Apr 76
Salmonellosis in a human infant, a cat, and two parakeets in the same household. Madewell BR, et al.
J Am Vet Med Assoc 167(12):1089–90, 15 Dec 75
Salmonella infections of man derived from animals. McCoy JH. **R Soc Health J** 96(1):25–30, Feb 76
Experimental infection of poultry with Salmonella infantis. Brown DD, et al. **Res Vet Sci** 20(3):237–43, May 76
Feline salmonellosis. Timoney JF Jr. **Vet Clin North Am** 6(3):395–8, Aug 76
Salmonella infection in poultry. Borland ED. **Vet Rec** 97(21):406–8, 22 Nov 75 (27 ref.)
[Factors capable of increasing salmonella carrier state among clinically healthy swine destined for slaughter] Slavkov I, et al. **Vet Med Nauki** 11(10):88–91, 1974 (Eng. Abstr.) **(Bul)**

[Ante mortem diagnosis of typhus-pullorosis in poultry] Stefanov V, et al. **Vet Med Nauki** 11(10):72-7, 1974 (Eng. Abstr.) **(Bul)**

[Salmonellae in calves] **Tijdschr Diergeneeskd** 101(13):739-40, 1 Jul 76 **(Dut)**

Isolation of Arizonoa from cold-blooded animals. [author's transl] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(2):137-8, Apr-Jun 73 (Eng. Abstr.) **(Por)**

[Age-related susceptibility of chickens to Salmonella pullorum infection] Kleeberg KV, et al. **Veterinariia** (2):60-2, Feb 75 **(Rus)**

COMPLICATIONS

The effect of fascioliasis on susceptibility of cattle to Salmonella dublin. Aitken MM, et al. **Br Vet J** 132(1):119-20, Jan-Feb 76

An experimental study of Salmonella dublin abortion in cattle. Hall GA, et al. **Br Vet J** 132(1):60-5, Jan-Feb 76

Interaction of T-2 toxin with Salmonella infections of chickens. Boonchuvit B, et al. **Poult Sci** 54(5):1693-6, Sep 75

[Course of mixed infections in geese] Bondarenko AF, et al. **Veterinariia** (2):63-4, Feb 75 **(Rus)**

[Course and outcome of experimental infection caused by different associations of salmonellae and E. coli] Iuditskaia NM. **Zh Mikrobiol Epidemiol Immunobiol** (1):137-8, Jan 76 **(Rus)**

CONGENITAL

Interaction between aflatoxicosis and a natural infection of chickens with Salmonella. Wyatt RD, et al. **Appl Microbiol** 30(5):870-2, Nov 75

DIAGNOSIS

A comparison of indirect hemagglutination tests and serum agglutination tests for the serological diagnosis of Salmonella dublin infection in cattle. Wray C, et al. **Br Vet J** 131(6):727-37, Nov-Dec 75

[Possibilities of differentiation of the specific positive reactions for pullorum disease] Sumrov I, et al. **Vet Med Nauki** 12(5):11-8, 1975 (Eng. Abstr.) **(Rus)**

[Express method for the diagnosis of ovine salmonellosis] Arkhangel'skii II, et al. **Veterinariia** (4):108-9, Apr 76 **(Rus)**

DRUG THERAPY

Animal models in the assessment of antimicrobial agents: salmonellosis. pp. 229-34. Hook EW. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.**

Influence of bambermycins on Salmonella infection and antibiotic resistance in swine. Dealy J, et al. **J Anim Sci** 42(5):1331-6, May 76

The treatment of salmonellosis in Equidae. Morse EV, et al. **Mod Vet Pract** 57(1):47-51, Jan 76

Treatment of reptiles contaminated with Salmonellas. Koopman JP, et al. **Z Versuchstierkd** 18(3):141-5, 1976

[Letter: Correct use of chloramphenicol] van Miert AS, et al. **Tijdschr Diergeneeskd** 101(1):35-6, 1 Jan 76 (Eng. Abstr.) **(Dut)**

[Antibiotics and chemopreparations in poultry pullorum disease] Kapitanaki M, et al. **Veterinariia** (4):62-5, Apr 76 **(Rus)**

ETIOLOGY

[Epidemiology of salmonellae and fertilizing of grasland with sewage sludge (author's transl)] Hess E, et al. **Zentralbl Bakteriol [Orig B]** 161(1):54-60, Sep 75 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Veterinary genetics and selection] Pavel UG. **Genetika** 11(5):41-5, 1975 (Eng. Abstr.) **(Rus)**

[Veterinary genetics and selection] Pavel UG. **Genetika** 11(5):41-5, 1975 (Eng. Abstr.) **(Rus)**

[The value of determination of the combinative capacity of crossing components in veterinary genetics] Pavel IuG, et al. **Genetika** 12(1):66-70, 1976 **(Rus)**

IMMUNOLOGY

Influence of age on the serological response of chickens to Salmonella typhimurium infection. Williams JE, et al. **Avian Dis** 19(4):745-60, Oct-Dec 75

Cellular and humoral aspects of host resistance in murine salmonellosis. Marecki NM, et al. **Br J Exp Pathol** 56(3):231-43, Jun 75

The effect of T and B lymphocyte depletion on the protection of mice vaccinated with a Gal E mutant of Salmonella typhimurium. Morris JA, et al. **Br J Exp Pathol** 57(3):354-60, Jun 76

Studies of neonatal calf diarrhoea. IV. Serum and faecal immune globulins in neonatal salmonellosis. Fisher EW, et al. **Br Vet J** 132(1):39-49, Jan-Feb 76

Genetics of resistance to infection with Salmonella typhimurium in mice. Plant J, et al. **J Infect Dis** 133(1):72-8, Jan 76

Immunity to Salmonella infections. Cameron CM. **J S Afr Vet Assoc** 57(2):89-91, Jun 76 (10 ref.)

Effect of erythrocytes treated with enterobacterial common antigen on experimental Salmonella typhimurium infection of mice. Gorzynski EA, et al. **Med Microbiol Immunol (Berl)** 161(3):163-70, 2 Jul 75

[Experimental salmonellosis. Lysosome of cultured macrophages] Osawa N, et al. **Jpn J Bacteriol** 30(1):202, Jan 75 **(Jpn)**

METABOLISM

Studies of neonatal calf diarrhoea. III. Water balance studies in neonatal salmonellosis. Fisher EW, et al. **Br Vet J** 131(6):643-52, Nov-Dec 75

Study of Salmonella gallinarum infection in chicks by gas liquid chromatography. Somani BL, et al. **Indian J Exp Biol** 13(5):503-5, Sep 75

The effect of bacterial infections on ketone concentrations in rat liver and blood and on free fatty acid concentrations in rat blood. Neufeld HA, et al. **Metabolism** 25(8):877-84, Aug 76

[Neuraminic acid and pathomorphological changes in the body of animals] Kichina MM, et al. **Veterinariia** (2):46-8, Feb 76 **(Rus)**

MICROBIOLOGY

Effect of lincomycin on prevalence, duration, and quantity of Salmonella typhimurium excreted by swine. DeGeeter MJ, et al. **Am J Vet Res** 37(5):525-9, May 76

Influence of antibiotic-supplemented feed on occurrence and persistence of Salmonella typhimurium in experimentally infected swine. Gutzmann F, et al. **Am J Vet Res** 37(6):649-55, Jun 76

Salmonella and Erysipelothrix infection in swine: a laboratory summary. Harrington R Jr, et al. **Am J Vet Res** 36(9):1379-80, Sep 75

Salmonellosis in canaries. Harrington R Jr, et al. **Avian Dis** 19(4):827-9, Oct-Dec 75

A Salmonella california contamination of a turkey feed concentrate. Hugh-Jones ME, et al. **Br Vet J** 131(6):673-80, Nov-Dec 75

Salmonellosis in poultry in India during 1958-1973. Basu S, et al. **Indian J Med Res** 63(10):1489-94, Oct 75

Studies on some epidemiological and public health aspects of salmonellosis. Sharma SK, et al. **Indian J Public Health** 18(4):171-3, Oct-Dec 74

Opossums as a reservoir for Salmonellae. Thigpen JE, et al. **J Am Vet Med Assoc** 167(7):590-2, 1 Oct 75

Distribution of Salmonellae in the digestive tract and lymph node of carrier-dogs. Tanaka Y, et al. **Jpn J Vet Sci** 38(03):215-24, Jun 76

Salmonella infection in mute swans (Cygnus olor). Clegg FG, et al. **Vet Rec** 97(19):373, 8 Nov 75

Salmonellosis in calves due to lactose fermenting Salmonella typhimurium. Johnston KG, et al. **Vet Rec** 98(14):276-8, 3 Apr 76

Detection of Salmonella infection in pig herds by examination of slurry. Jones PW, et al. **Vet Rec** 97(18):351-2, 1 Nov 75

Salmonella infection in the herring gull (Lans argentatus). Williams BM, et al. **Vet Rec** 98(3):51, 17 Jan 76

Further studies on the presence of Salmonella in chickens and hens in the Netherlands. van Schothorst M, et al. **Zentralbl Veterinaermed [B]** 21(9):723-8, Sep 74

[Isolation of Salmonella nairobi from an Indo-Brazilian zebu in the Republic of Zaire] Bertele F, et al. **Rev Elev Med Vet Pays Trop** 28(1):17-9, 1975 (Eng. Abstr.) **(Fre)**

[Isolation of Salmonella in cats] Stoll L, et al. **Berl Munch Tieraerztl Wochenschr** 88(23):455-6, 1 Dec 75 (Eng. Abstr.) **(Ger)**

['In vitro' drug resistance of Salmonella isolated from animals (author's transl)] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(1):39-43, Jan-Mar 73 (Eng. Abstr.) **(Por)**

[An electron microscopic study of the interaction between salmonellae and the epithelium of rat ileum] Zufarov KA, et al. **Arkh Patol** 37(9):42-8, 1975 (Eng. Abstr.) **(Rus)**

[Disinfection of droppings in colibacteriosis and salmonellosis of poultry] Khashimov AU, et al. **Veterinariia** (12):30-1, Dec 75 **(Rus)**

OCCURRENCE

Panamanian forest mammals as carriers of Salmonella. Kourany M, et al. **Am J Trop Med Hyg** 25(3):449-55, May 76

Canine salmonellosis: prevalence, epizootiology, signs, and public health significance. Morse EV, et al. **J Am Vet Med Assoc** 167(9):817-20, 1 Nov 75 (44 ref.)

The incidence of Salmonella bacteria in Danish wildlife and in imported animals. Nielsen BB, et al. **Nord Vet Med** 27(12):633-40, Dec 75

The Salmonella excretor incidence of dogs in Hawke's Bay. Timbs DV, et al. **NZ Vet J** 23(4):54-6, Apr 75

Salmonella infections in animals and birds. Osborne AD. **R Soc Health J** 96(1):30-3, Feb 76

Editorial: Salmonellosis in horses. **Vet Rec** 99(2):19-20, 10 Jul 76

An outbreak of S typhimurium in sheep and its consequences. Hunter AG, et al. **Vet Rec** 98(7):126-30, 14 Feb 76

The occurrence of salmonellas in laboratory animals and a comparison of three enrichment methods used in their isolation. Koopman JP, et al. **Z Versuchstierkd** 17(3):155-8, 1975

Incidence of chicken salmonellosis in iraq. al-Khatib GM, et al. **Zentralbl Veterinaermed [B]** 22(4):344-8, Jun 75

[Incidence and treatment of salmonella carriers in tejus and tortoises (author's transl)] Koopman JP, et al. **Tijdschr Diergeneeskd** 101(17):957-61, 1 Sep 76 (Eng. Abstr.) **(Dut)**

[Human meat-borne salmonellosis: epidemiological reflections on a bacteriological survey of the butchers' shops of a large town (author's transl)] Brisou B, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7-8):445-61, Oct-Dec 75 (Eng. Abstr.) **(Fre)**

[Demonstration of salmonellae in sick cage-birds in Berlin] Förster D, et al. **Berl Munch Tieraerztl Wochenschr** 89(7):133-5, 1 Apr 76 **(Ger)**

Salmonella typhi causing natural disease in hens in Botucatu, São Paulo, Brazil). [author's transl] Correa WM, et al. **Arq Inst Biol (Sao Paulo)** 40(2):129-30, Apr-Jun 73 (Eng. Abstr.) **(Por)**

Salmonella isolations in the mesenteric lymph nodes of normal slaughtered horses.[author's transl] Giorgi W. **Arq Inst Biol (Sao Paulo)** 40(2):95-7, Apr-Jun 73 (Eng. Abstr.) **(Por)**

[Salmonella infections in animals from the Zoo of São Paulo, Brazil (author's transl)] Giorgi W. **Arq Inst Biol (Sao Paulo)** 40(1):1-3, Jan-Mar 73 (Eng. Abstr.) **(Por)**

[Occurrence of salmonella in lizards (author's transl)] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(1):63-6, Jan-Mar 73 (Eng. Abstr.) **(Por)**

[Salmonella in lymph nodes of apparently normal swines slaughtered in the Santa Cruz slaughterhouse, Rio de Janeiro City, Guanabara] Zebral AA, et al. **Mem Inst Oswaldo Cruz** 72(3-4):223-35, 1974 (Eng. Abstr.) **(Por)**

[Problems of the epizootiology of salmonellosis] Kaimakan PV, et al. **Veterinariia** (9):52-3, Sep 74 **(Rus)**

[Ecological relations of Salmonella en Chile] Cordano AM, et al. **Bol Of Sanit Panam** 81(1):44-9, Jul 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

A comparative study of liver changes produced by inoculating pregnant rats with Salmonella dublin or with its endotoxin. Hall GA. **Br J Exp Pathol** 56(3):216-22, Jun 75

Arizona septicemia in three boa constrictors. Boever WJ, et al. **Vet Med Small Anim Clin** 70(11):1357-9, Nov 75

[Characteristics of the pathomorphological manifestation of salmonella infection in guinea pigs and hamsters] Lobanova ZI, et al. **Arkh Patol** 37(8):20-5, 1975 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Treatment of Salmonella-Arizona-infected turtle eggs with terramycin and chloromycetin by the temperature-differential egg dip method. Siebeling RJ, et al. **Appl Microbiol** 30(5):791-9, Nov 75

Letter: Preventing animal diseases. **Br Med J** 1(6008):521-2, 28 Feb 76

Salmonella typhimurium infection in guinea pigs: observations on monitoring and control. Olfert ED, et al. **Lab Anim Sci** 26(1):78-80, Feb 76

The Zoonoses Order 1975. Bennett GH. **R Soc Health J** 96(1):19-20, Feb 76

Salmonella control in certain European countries. Watson WA. **R Soc Health J** 96(1):21-5, Feb 76

Influence of chlortetracycline and chlortetracycline + sulfamethazine supplemented feed on the incidence, persistence and antibacterial susceptibility of salmonella typhimurium in experimentally inoculated calves. Layton HW, et al. **Zentralbl Veterinaermed [B]** 22(6):461-72, Aug 75

[Experience in the sanation of a pedigreed poultry farm pullorum disease] Ivanov P, et al. **Vet Med Nauki** 12(6):114-9, 1975 (Eng. Abstr.) **(Bul)**

[Study of Salmonella cultures. IV. Immunogenicity of Salmonella resistant to antibiotics] Minev M. **Vet Med Nauki** 12(9):66-73, 1975 (Eng. Abstr.) **(Bul)**

[The effect of an inflammatory reaction on the resistance of mice to infection by Listeria monocytogenes and Salmonella typhimurium] Fauve RM, et al. **C R Acad Sci [D] (Paris)** 281(24):2037-40, 22 Dec 75 (Eng. Abstr.) **(Fre)**

[Vaccination of sows with the 'Dessau' Salmonella-cholerae-suis adsorbate vaccine] Seyfarth D, et al. **Arch Exp Veterinaermed** 29(1):153-6, 1975 (Eng. Abstr.) **(Ger)**

[Control of salmonellosis in calf fattening facilities] Dickel H. **Dtsch Tieraerztl Wochenschr** 83(7):320-4, 5 Jul 76 (Eng. Abstr.) **(Ger)**

[Immunogenic properties of S. choleraesuis for pigs] Służewska M, et al. **Pol Arch Weter** 17(4):599-608, 1975 (Eng. Abstr.) **(Pol)**

[The relationship between the number of antibody forming cells in the spleens of rats immunized with Sal. typhi O-antigen and the number of background cells producing antibodies to that antigen] Shmuter LM. **Biull Eksp Biol Med** 81(2):201-2, Feb 76 (Eng. Abstr.) **(Rus)**

[Variability of postvaccinal antibody activity in swine with different blood groups] Pavlichenko VP, et al. **Tsitol Genet** 10(2):154-7, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Plasma cell reaction to vaccination of lambs against paratyphoid] Mamedov TA. **Veterinariia** (2):40-1, Feb 75 **(Rus)**

[Immunoreactivity of swine to vaccination against Aujeszky's disease, salmonellosis and pasteurellosis] Petrov VF, et al. **Veterinariia** (2):31–4, Feb 75 **(Rus)**

[Specific prophylaxis of colibacillosis and salmonellosis in lambs and piglets] Sytdykov AK, et al. **Veterinariia** (6):50–1, Jun 76 **(Rus)**

TRANSMISSION

Canine salmonellosis: A review and report of dog to child transmission of Salmonella enteritidis. Morse EV, et al. **Am J Public Health** 66(1):82–3, Jan 76

[Role of ticks of the species Argas persicus Oken, 1818, in the epizootology of pullorum disease in birds] Stefanov V, et al. **Vet Med Nauki** 12(5):45–50, 1975 (Eng. Abstr.) **(Bul)**

SALMONELLA PARATYPHI see **SALMONELLA PARATYPHI A**

SALMONELLA PARATYPHI A

[Effect of passive immunity on subsequent vaccination against swine fever] Peshleiski P. **Vet Med Nauki** 12(10):78–82, 1975 (Eng. Abstr.) **(Bul)**

ANALYSIS

[Results of comparative studies on the biological properties of S. typhi and S. paratyphi strains for the production of vaccines] Lesnjak SW, et al. **Z Gesamte Hyg** 21(4):315–9, Apr 75 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

In vitro sensitivity of enteric bacteria to epicillin, chloramphenicol, ampicillin and furazolidone. Solomon S, et al. **Curr Med Res Opin** 4(3):229–32, 1976

IMMUNOLOGY

Immunogenic interrelationship between Salmonella typhi and Salmonella paratyphi A. Mates A, et al. **Z Immunitaetsforsch** 146(2):136–44, Nov 73

[Construction of new types of chemical vaccines for the prevention of intestinal infections, and their qualitative assessment. IV. Physical properties and immunological characteristics of the experimental series of chemical vaccines presented for comparative study] Andrievskaia RA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):24–30, Jul 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Report on management of typhoid and paratyphoid fevers; result of phage-typing of the isolates and epidemiological studies in 1974] **J Jpn Assoc Infect Dis** 50(2):59–66, Feb 76 **(Jpn)**

[Salmonella paratyphi A brought in by travellers and characteristics of the isolate in sugar fermentation] Aihara M, et al. **J Jpn Assoc Infect Dis** 49(10):408–12, Oct 75 (Eng. Abstr.) **(Jpn)**

SALMONELLA PHAGES

Lysogenization by phage P22 carrying amber mutations in genes 12 and 18. Ronen A, et al. **Genet Res** 27(2):335–7, Apr 76

Specialized transducing phages derived from phage P22 that carry the pro AB region of the host, Salmonella typhimurium: genetic evidence for their structure and mode of transduction. Jessop AP. **Genetics** 83(3 PT.2):459–75, Jul 76

Transfectability of rough strains of Salmonella typhimurium. Bursztyn H, et al. **J Bacteriol** 124(3):1630–4, Dec 75

Iron transport in Salmonella typhimurium LT-2: prevention, by ferrichrome, of adsorption of bacteriophages ES18 and ES18.h1 to a common cell envelope receptor. Luckey M, et al. **J Bacteriol** 127(2):1036–7, Aug 76

Sonic fragility of the head–tail bond of bacteriophage P22. Ruddel M, et al. **J Virol** 17(2):675–7, Feb 76

Further structural and functional analogies between the repressor regions of phages P22 and lambda. Gough M, et al. **Mol Gen Genet** 138(1):71–9, 1975

Transduction by phage P1CM clr-100 in Salmonella typhimurium. Mojica T. **Mol Gen Genet** 138(2):113–26, 1975

Effect of m3 gene on the development of phage P22. Taneja S, et al. **Mol Gen Genet** 137(4):315–26, 1975

Site c27 in phage P22 and control of the pathway to lysogeny. Tokuno S, et al. **Mol Gen Genet** 144(2):199–204, 22 Mar 76

An early regulatory gene of Salmonella phage P22 analogous to gene N of coliphage lambda. Hilliker S, et al. **Virology** 68(2):510–24, Dec 75

Genetic properties of RM 98, an R plasmid of Salmonella which determines sensitivity to the phage IKe. Khatoon H. **Zentralbl Bakteriol [Orig A]** 234(3):294–304, Apr 76

Restriction and modification of typing phages by an R factor in S. typhi. Rusu V, et al. **Zentralbl Bakteriol [Orig A]** 234(4):491–501, May 76

[Sensitivity to bacteriophage ES18 of strains of 'S. dublin', 'S. enteritidis' and 'S. blegdam' and related serotypes (author's transl)] Le Minor L, et al. **Ann Microbiol (Paris)** 126(3):327–31, Apr 75 (Eng. Abstr.) **(Fre)**

[Characteristics of lysogenous phages of S. anatum] Popvici M, et al. **Arch Roum Pathol Exp Microbiol** 34(3):223–30, Jul 75 (Eng. Abstr.) **(Fre)**

[Transformation of Salmonella antigen and infection by phage: the role of the tail of epsilon 34 and C341 during adsorption] Iwashita S, et al. **Jpn J Bacteriol** 30(1):245, Jan 75 **(Jpn)**

[Salmonella mutant with phage absorption without its infection] Kanegasaki S. **Jpn J Bacteriol** 30(1):246, Jan 75 **(Jpn)**

[Transduction of resistance genes of P1CM and PITC phages caused by P22 phage] Mitsugase K. **Jpn J Bacteriol** 30(1):243, Jan 75 **(Jpn)**

ANALYSIS

A mutant of phage P22 with randomly permuted DNA. Tye BK. **J Mol Biol** 100(3):421–6, 25 Jan 76

Identification of early proteins coded by bacteriophage P22. Lew K, et al. **Virology** 68(2):525–33, Dec 75

CLASSIFICATION

[Search for new Salmonella typhi phage types among the numerous non-phagetypable positive Vi strains (groups I + IV) of the Indochinese peninsula (author's transl)] Nicolle P, et al. **Rev Epidemiol Med Soc Sante Publique** 23(3):193–213, Apr–May 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

N-acetylmuramyl-L-alanine amidase of Vi phage III. Jastrzemski KB. **Acta Biochim Pol** 22(4):207–304, 1975

GROWTH & DEVELOPMENT

Mutants of Salmonella anatum that block bacteriophage epsilon infection at early stages. Kanegasaki S, et al. **J Bacteriol** 127(1):7–13, Jul 76

Bacteriophage-resistant mutants of Salmonella typhimurium deficient in two major outer membrane proteins. Nurminen M, et al. **J Bacteriol** 127(2):941–55, Aug 76

Interference with propagation of typing bacteriophages by extrachromosomal elements in Salmonella typhimurium: bacteriophage type 505. van Embden JD, et al. **J Bacteriol** 127(3):1414–26, Sep 76

Altered DNA synthesis in a mutant of Salmonella typhimurium that channels bacteriophage P22 toward lysogeny. Steinberg B, et al. **J Virol** 16(5):1154–60, Nov 75

Host influence on the activity of genes c1 and c3 in regulating the decision between lysis and lysogency in bacteriophage P22. Tokuno SI, et al. **J Virol** 16(5):1184–90, Nov 75

Bacteriophage P22 lysogenises efficiently at high multiplicities of infection because Salmonella typhimurium DNA synthetic capacity is limited. Steinberg BM, et al. **Nature** 263(5572):54–6, 2 Sep 76

Recombinants between P22 and P1Cm. Mise K. **Virology** 71(2):531–45, Jun 76

ISOLATION & PURIFICATION

Bacteriophage-P22 derivative with high density. Mise K. **Biochem Biophys Res Commun** 71(1):312–7, 12 Jul 76

[Distribution of Salmonella typhi lysotypes in Iran (1970–1974)] Vieu JF, et al. **Bull Soc Pathol Exot** 68(2):171–4, Mar–Apr 75 **(Fre)**

[Presence of salmonellae, E. coli and their homologous phages in the seawater] Reali D, et al. **Ann Sclavo** 17(6):842–58, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

METABOLISM

Gene m3 mediated efflux of intracellular leucine from bacteriophage P22 infected Salmonella typhimurium. Bandyopadhyay PN, et al. **Biochem Biophys Res Commun** 71(2):644–50, 26 Jul 76

Enzymic and molecular properties of base-plate parts of bacteriophage P22. Iwashita S, et al. **Eur J Biochem** 65(1):87–94, 17 May 76

Evidence that HT mutant strains of bacteriophage P22 retain an altered form of substrate specificity in the formation of transducing particles in Salmonella typhimurium. Chelala CA, et al. **Genet Res** 27(2):315–22, Apr 76

Salmonella typhimurium SA host specificity system is based on deoxyribonucleic acid–adenine methylation. Hattman S, et al. **J Bacteriol** 127(1):211–7, Jul 76

Deacetylation reaction catalyzed by Salmonella phage c341 and its baseplate parts. Iwashita S, et al. **J Biol Chem** 251(17):5361–5, 10 Sep 76

Mutagenesis by insertion of a drug-resistance element carrying an inverted repetition. Kleckner N, et al. **J Mol Biol** 97(4):561–75, 5 Oct 75

Mechanism of action of Salmonella phage P22 antirepressor. Susskind MM, et al. **J Mol Biol** 98(2):413–24, 25 Oct 75

Bacteriophage P22 virion protein which performs an essential early function. I. Analysis of 16-ts mutants. Hoffman B, et al. **J Virol** 16(6):1536–46, Dec 75

Bacteriophage P22 virion protein which performs an essential early function. II. Characterization of the gene 16 function. Hoffman B, et al. **J Virol** 16(6):1547–59, Dec 75

Appearance of transducing particles and the fate of host DNA after infection of Salmonella typhimurium with P22-mutants with increased transducing ability (HT-mutants). Schmieger H, et al. **Mol Gen Genet** 140(2):111–22, 29 Sep 75

Altered cotransduction frequencies exhibited by HT-mutants of Salmonella-phage P22. Schmieger H, et al. **Mol Gen Genet** 143(3):307–9, 2 Feb 76

Conditional-lethal mutations that suppress genetic defects in morphogenesis by altering structural proteins. Jarvik J, et al. **Proc Natl Acad Sci USA** 72(7):2738–42, Jul 75

Release of O antigen polysaccharide from Salmonella newington by phage epsilon 34. Iwashita S, et al. **Virology** 68(1):27–34, Nov 75

RADIATION EFFECTS

UV sensitivity of a nonrepressor regulatory protein of bacteriophage P22. Tokuno SI, et al. **J Virol** 18(1):65–70, Apr 76

ULTRASTRUCTURE

Specialized transduction by bacteriophage P22 in Salmonella typhimurium: genetic and physical structure of the transducing genomes and the prophage attachment site. Chan RK, et al. **Genetics** 83(3 PT.2):433–58, Jul 76

Assembly of the head of bacteriophage P22: x-ray diffraction from heads, proheads and related structures. Earnshaw W, et al. **J Mol Biol** 104(2):387–410, 25 Jun 76

Intracellular visualization of precursor capsids in phage P22 mutant infected cells. Lenk E, et al. **Virology** 68(1):182–99, Nov 75

Morphology of bacteriophage P22 as seen in thin sections of pelleted phage. Zorn GA, et al. **Virology** 71(2):434–43, Jun 76

SALMONELLA SCHOTTMUELLERI see under **SALMONELLA**

SALMONELLA TYPHI

Pharmacodynamic action of antygen Vi. Głośnicka R, et al. **Bull Inst Marit Trop Med Gdynia** 26(1):97–103, 1975

Salmonella typhosa lipopolysaccharide in chronic bronchitis and prevention of common colds. **Chin Med J [Engl]** 2(2):107–12, Mar 76

Succinic dehydrogenase and glucose-6-phosphate dehydrogenase activities in brain of mice after administration of Salmonella typhi endotoxin. Nag AK, et al. **Indian J Med Res** 64(1):9–16, Jan 76

Transformation of Escherichia coli by chromosomal deoxyribonucleic acid from Salmonella typhi. Sánchez F, et al. **J Bacteriol** 125(2):747–9, Feb 76

Salmonella typhi meningitis. A case report and family investigations. Chye GH, et al. **Med J Malaysia** 30(3):219–22, Mar 75

Centenary of the discovery of the typhoid bacillus by Tadeusz Browicz. Wajs S. **Pol Med Sci Hist Bull** 15(5–6):519–23, Sep–Dec 75

Restriction and modification of typing phages by an R factor in S. typhi. Rusu V, et al. **Zentralbl Bakteriol [Orig A]** 234(4):491–501, May 76

[Distribution of Salmonella typhi lysotypes in Iran (1970–1974)] Vieu JF, et al. **Bull Soc Pathol Exot** 68(2):171–4, Mar–Apr 75 **(Fre)**

[Search for new Salmonella typhi phage types among the numerous non-phagetypable positive Vi strains (groups I + IV) of the Indochinese peninsula (author's transl)] Nicolle P, et al. **Rev Epidemiol Med Soc Sante Publique** 23(3):193–213, Apr–May 75 (Eng. Abstr.) **(Fre)**

[Comparison between the way of intravenous administration of flagellin from Salmonella typhosa to the margial vein in the ear and into the mesenteric superior vein. Preliminary note] Scoglio ME, et al. **Boll Ist Sieroter Milan** 54(6):466–71, 1975 (Eng. Abstr.) **(Ita)**

[Characteristics of conformational transitions in Salmonella typhi flagellin] Moskvicheva IV, et al. **Dokl Akad Nauk SSSR** 228(3):741–4, 21 Jun 76 **(Rus)**

ANALYSIS

[Results of comparative studies on the biological properties of S. typhi and S. paratyphi strains for the production of vaccines] Lesnjak SW, et al. **Z Gesamte Hyg** 21(4):315–9, Apr 75 (Eng. Abstr.) **(Ger)**

[Amino acid composition of the cell wall peptidoglycans of Sonne shigellae and typhoid bacteria] Chulygina EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):121–2, Apr 76 **(Rus)**

CYTOLOGY

[Morphological characteristics of typhoid bacteria as an expression of changes in the metabolism of the culture in the process of continuous and periodic growing] Dubinina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):144–5, May 75 **(Rus)**

[Characteristics of the hydrodynamic and biological properties of flagellar preparations isolated from submerged cultures of S. typhi] Ishchenko AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):71–4, Sep 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Oxolinic acid in the treatment of typhoid fever due to chloramphenicol-resistant strains of Salmonella typhi. Sanford JP, et al. **Antimicrob Agents Chemother** 9(3):387–92, Mar 76

In vitro sensitivity of enteric bacteria to epicillin, chloramphenicol, ampicillin and furazolidone. Solomon S, et al. **Curr Med Res Opin** 4(3):229–32, 1976

Susceptibility of Salmonella typhi to rifamycins and

novobiocin. Shanson DC, et al. **J Antimicrob Chemother** 2(1):81–6, Mar 76

Letter: Antibiotic-resistant typhoid in Indonesia. Sanborn WR, et al. **Lancet** 2(7931):408–9, 30 Aug 75

Biochemical, immunochemical and immunobiological properties of a chloramphenicol-resistant Salmonella typhi strain isolated in Mexico. Joó I, et al.
Zentralbl Bakteriol [Orig A] 233(4):470–85, Dec 75

Salmonella typhi strain with transmissible multiple resistance. Rusu V, et al. **Zentralbl Bakteriol [Orig A]** 234(4):502–12, May 76

[Resistance to association of antibiotics (polymyxin and penicillin) in relation to cell concentration of two bacterial species in the same inoculum. Complementary inoculum effect] Kauffmann J. **C R Acad Sci [D] (Paris)** 280(9):1185–8, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Antibiotic sensitivity of S. typhi cultures that have reverted from L forms isolated from the blood of patients] Morozova NS, et al. **Antibiotiki** 20(4):362–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Sensitivity of Salmonella typhi to chloramphenicol during the last 16 years] Banfi A, et al. **Rev Chil Pediatr** 46(1):13–5, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Epidemic of chloramphenicol resistant Salmonella typhi. A cultural factor involved in a Mexican locality] Cortés AG, et al. **Rev Invest Salud Publica** 35(1):67–75, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

[Typhoid fever due to Salmonella typhi resistant to chloramphenicol. First cases in Chile (author's transl)] Virgilio R, et al. **Rev Med Chil** 103(11):737–9, Nov 75 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Effects of high concentrations of sucrose in blood culture media with special reference to the cultivation of Salmonella typhi. Chong Y, et al. **Yonsei Med J** 16(2):99–106, 1975

IMMUNOLOGY

Controlled field trial of a typhoid vaccine prepared with a nonmotile mutant of Salmonella typhi Ty2. Wahdan MH, et al. **Bull WHO** 52(1):69–73, 1975

Adjuvant and immunogenic properties of bacterial lipopolysaccharide in IgE and IgG antibody formation in mice. Danneman PJ, et al. **Cell Immunol** 22(1):128–39, 1 Mar 76

Ineffectiveness of Vi and chemically treated endotoxins as typhoid vaccines in mice challenged with a Salmonella typhosa–Salmonella typhimurium hybrid. Diena BB, et al. **Infect Immun** 12(6):1470–1, Dec 75

Vi antigen from Salmonella typhosa and immunity against typhoid fever. II. Safety and antigenicity in humans. Levin DM, et al. **Infect Immun** 12(6):1290–4, Dec 75

Attenuated, streptomycin-dependent Salmonella typhi oral vaccine: potential deleterious effects of lyophilization. Levine MM, et al. **J Infect Dis** 133(4):424–9, Apr 76

Cellular inflammatory responses to killed salmonella typhosa in typhoid fever patients. Maghiulo E, et al.
Riv Emoter Immunoematol 22(5–6):121–8, 1975

Immunogenic interrelationship between Salmonella typhi and Salmonella paratyphi A. Mates A, et al.
Z Immunitaetsforsch 146(2):136–44, Nov 73

[Analysis of O specific sites present on Boivin's antigen and on the degraded polysaccharide of Salmonella typhi] Nivet C, et al. **Immunochemistry** 13(6):539–45, Jun 76 (Eng. Abstr.) **(Fre)**

[Proceedings: The efficacy testing of Salmonella typhi vaccines in animal experiments] Illés J.
Pathol Microbiol (Basel) 42(4):225–7, 1975 **(Ger)**

[Levels of antibodies to typhoid fever in vaccinated and non-vaccinated children in the course of other diseases with the exception of salmonelloses] Mazurowska-Magdzik W. **Przegl Epidemiol** 30(1):11–9, 1976 (Eng. Abstr.) **(Pol)**

[Participation of the lung in capturing subcutaneously injected antigens] Shul'man BB, et al.
Biull Eksp Biol Med 80(12):56–9, Dec 75 (Eng. Abstr.) **(Rus)**

[The effect of lipids from typhoid endotoxin on the activity of some liver enzymes] Muzhichenko AV.
Vopr Med Khim 21(5):494–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effectiveness of the vaccine of Vi-antigen of Salmonella typhosa in children and adolescents] D'iachenko PN, et al. **Zdravookhr Kirg** (5):49–53, Sep–Oct 75 **(Rus)**

[Construction of new types of chemical vaccines for the prevention of intestinal infections, and their qualitative assessment. IV. Physical properties and immunological characteristics of the experimental series of chemical vaccines presented for comparative study] Andrievskaia RA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):24–30, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of the number of times of typhoid antigen administration on the process of antibody formation] Egorova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):135–6, Sep 75 **(Rus)**

[Use of Soviet semipermeable acetate-cellulose membranes for concentration and purification of typhoid antigens] Khokholev LS, et al.
Zh Mikrobiol Epidemiol Immunobiol (3):80–4, Apr 76 (Eng. Abstr.) **(Rus)**

[New principles for obtaining protective antigens from deep cutlures of enterobacteria] Shapiro NI, et al.
Zh Mikrobiol Epidemiol Immunobiol (2):34–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Immunity induced with ribosomal fractions obtained from S. typhi T and 2 against different strains of S. typhi] Molinari JL, et al. **Rev Lat Am Microbiol** 17(3):150–6, Jul–Sep 75 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Duodenal isolation of Salmonella typhi by string capsule in acute typhoid fever. Gilman RH, et al.
J Clin Microbiol 3(4):456–7, Apr 76

Editorial: Tracking down Salmonella typhi. Varisrub S.
JAMA 233(11):1196, 15 Sep 75

[Report on management of typhoid and paratyphoid fevers; result of phage-typing of the isolates and epidemiological studies in 1974] **J Jpn Assoc Infect Dis** 50(2):59–66, Feb 76 **(Jpn)**

[Survival of Salmonella typhi in urban water system and coastal sea water] Nishio T, et al.
J Jpn Assoc Infect Dis 49(11):426–34, Nov 74 (Eng. Abstr.) **(Jpn)**

[Utilization of a solid nutrient medium for the serological method of detecting the causative agent of typhoid in patients' feces] Levi MI, et al.
Zh Mikrobiol Epidemiol Immunobiol 0(9):68–71, Sep 75 (Eng. Abstr.) **(Rus)**

METABOLISM

[Microtubular structures in the cytoplasm of macrophages and their enzymatic activity in interaction with Salmonella typhi and Shigella dysenteriae] Gandzii GP, et al.
Mikrobiol Zh 37(4):508–13, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

PATHOGENICITY

[Study of the process of interaction of the causative agent with the cells of the body and with a macrophage culture in experimental typhoid infection and carrier state] Barshtein IuA, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):83–8, Oct 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation-sterilization practices in Korea. pp. 503–10. Rhee KS.
In: Radiosterilization of medical products 1974, Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

ULTRASTRUCTURE

Characteristics of lipopolysaccharides of Salmonella typhi isolated from carriers and patients suffering from typhoid fever. Strýcková T, et al. **Folia Microbiol (Praha)** 21(1):21–7, 1976

SALMONELLA TYPHIMURIUM

Effect of resistance possessed by certain enteric microorganisms upon orally inoculated Salmonella. Hooper DG, et al. **Am J Vet Res** 37(3):345–7, Mar 76

Detection of mutagenic activity in human urine using mutant strains of Salmonella typhimurium. Minnich V, et al.
Cancer 38(3):1253–8, Sep 76

Pathogenesis of Salmonella-mediated intestinal fluid secretion. Activation of adenylate cyclase and inhibition by indomethacin. Giannella RA, et al. **Gastroenterology** 69(6):1238–45, Dec 75

Integration, at hag or elsewhere, of H2 (phase-2 flagellin) genes transduced from Salmonella to Escherichia coli. Enomoto M, et al. **Genetics** 81(4):595–614, Dec 75

Isolation & characterization of an L-arabinose negative mutant of Salmonella typhimurium. Bhattacharya AK, et al. **Indian J Exp Biol** 13(3):244–6, May 75

Role of plasma filtration in the intestinal fluid secretion mediated by infection with Salmonella typhimurium. Giannella RA, et al. **Infect Immun** 13(2):470–4, Feb 76

Indigenous microorganisms prevent reduction in cecal size induced by Salmonella typhimurium in vaccinated gnotobiotic mice. Tannock GW, et al. **Infect Immun** 13(1):172–9, Jan 76

Fate of 51Cr-labeled lipopolysaccharide in tissue culture cells and livers of normal mice. Zlydaszyk JC, et al.
Infect Immun 14(1):100–5, Jul 76

Transfectability of rough strains of Salmonella typhimurium. Bursztyn H, et al. **J Bacteriol** 124(3):1630–4, Dec 75

Genes affecting coliphage BF23 and E colicin sensitivity in Salmonella typhimurium. Guterman SK, et al.
J Bacteriol 124(3):1351–8, Dec 75

Comparative study of R1-specific chromosomal transfer in Escherichia coli K-12 and salmonella typhimurium LT2. Hedén LO, et al. **J Bacteriol** 127(1):51–8, Jul 76

Transduction of chromosomal genes between enteric bacteria by bacteriophage P1. Tyler BM, et al. **J Bacteriol** 125(3):1105–11, Mar 76

Interference with propagation of typing bacteriophages by extrachromosomal elements in Salmonella typhimurium: bacteriophage type 505. van Embden JD, et al.
J Bacteriol 127(3):1414–26, Sep 76

Bacteriophage Ec1-resistant mutants of enteric bacteria. Primrose SB. **J Gen Microbiol** 94(2):439–42, Jun 76

Hypertriglyceridemia produced by endotoxin: role of impaired triglyceride disposal mechanisms. Kaufmann RL, et al. **J Infect Dis** 133(5):548–55, May 76

Assembly of the head of bacteriophage P22: x-ray diffraction from heads, proheads and related structures. Earnshaw W, et al. **J Mol Biol** 104(2):387–410, 25 Jun 76

The toxicity of inactivated bacteria and endotoxin in mice suffering from protein malnutrition. Price P, et al.
J Reticuloendothel Soc 18(4):230–43, Oct 75

Bacteriophage P22 virion protein which performs an essential early function. II. Characterization of the gene 16 function. Hoffman B, et al. **J Virol** 16(6):1547–59, Dec 75

Bacteriophage P22 virion protein which performs an essential early function. I. Analysis of 16-ts mutants. Hoffman B, et al. **J Virol** 16(6):1536–46, Dec 75

Role of the bacteriophage P22 tail in the early stages of infection. Israel V. **J Virol** 18(1):361–4, Apr 76

Sonic fragility of the head-tail bond of bacteriophage P22. Ruddel M, et al. **J Virol** 17(2):675–7, Feb 76

Host influence on the activity of genes c1 and c3 in regulating the decision between lysis and lysogency in bacteriophage P22. Tokuno SI, et al. **J Virol** 16(5):1184–90, Nov 75

Salmonella typhimurium infection in guinea pigs: observations on monitoring and control. Olfert ED, et al.
Lab Anim Sci 26(1):78–80, Feb 76

Effect of erythrocytes treated with enterobacterial common antigen on experimental Salmonella typhimurium infection of mice. Gorzynski EA, et al.
Med Microbiol Immunol (Berl) 161(3):163–70, 2 Jul 75

Occurrence of a regulatory deficiency in purine biosynthesis among pur A mutants of Salmonella typhimurium. Benson CE, et al. **Mol Gen Genet** 145(1):31–6, 23 Apr 76

Further structural and functional analogies between the repressor regions of phages P22 and lambda. Gough M, et al. **Mol Gen Genet** 138(1):71–9, 1975

Transduction by phage P1CM clr-100 in Salmonella typhimurium. Mojica T. **Mol Gen Genet** 138(2):113–26, 1975

Appearance of transducing particles and the fate of host DNA after infection of Salmonella typhimurium with P22-mutants with increased transducing ability (HT-mutants). Schmieger H, et al. **Mol Gen Genet** 140(2):111–22, 29 Sep 75

Effect of m3 gene on the development of phage P22. Taneja S, et al. **Mol Gen Genet** 137(4):315–26, 1975

Site c27 in phage P22 and control of the pathway to lysogeny. Tokuno S, et al. **Mol Gen Genet** 144(2):199–204, 22 Mar 76

Effects on body temperature produced by micro-injection of Salmonella typhimurium lipopolysaccharide into the third cerebral ventricle of the chicken. Kane E, et al.
Poult Sci 55(4):1580–2, Jul 76

An outbreak of S typhimurium in sheep and its consequences. Hunter AG, et al. **Vet Rec** 98(7):126–30, 14 Feb 76

An early regulatory gene of Salmonella phage P22 analogous to gene N of coliphage lambda. Hilliker S, et al.
Virology 68(2):510–24, Dec 75

Intracellular visualization of precursor capsids in phage P22 mutant infected cells. Lenk E, et al. **Virology** 68(1):182–99, Nov 75

Identification of early proteins coded by bacteriophage P22. Lew K, et al. **Virology** 68(2):525–33, Dec 75

Recombinants between P22 and P1Cm. Mise K. **Virology** 71(2):531–45, Jun 76

Morphology of bacteriophage P22 as seen in thin sections of pelleted phage. Zorn GA, et al. **Virology** 71(2):434–43, Jun 76

[An electron microscopic study of the interaction between salmonellae and the epithelium of rat ileum] Zufarov KA, et al. **Arkh Patol** 37(9):42–8, 1975 (Eng. Abstr.) **(Rus)**

[Effect of UV-radiation, caffeine and nalidixic acid on cell division in UV-sensitive filament-forming Salmonella mutants] Pokrovskiĭ VN, et al. **Genetika** 10(1):123–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Some properties of revertants obtained from stable L-forms Salmonella] Zubkov MN, et al.
Zh Mikrobiol Epidemiol Immunobiol (4):137–8, Apr 75 **(Rus)**

[Virulence and multiresistance to drugs of epidemic strains of S. typhimurium isolated in children's hospitals of South America. I. Comparative virulence for mice of epidemic and nonepidemic strains of S. typhimurium] Peluffo CA, et al. **Mem Inst Butantan** 38:1–12, 1974 (Eng. Abstr.) **(Spa)**

[Changes in bile physicochemical indexes in experimental Salmonella typhimurium carrier state] Nikolenko IuI.
Mikrobiol Zh 37(5):642–5, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Two-dimensional gel electrophoresis of membrane proteins. Ames GF, et al. **Biochemistry** 15(3):616–23, 10 Feb 76

Thionucleoside composition of transfer RNAs in Bacillus subtilis and Salmonella typhimurium. Rao YS, et al.
Indian J Biochem Biophys 12(2):183–4, Jun 75

Comparison of lipopolysaccharides from Agmenellum quadruplicatum to Escherichia coli and Salmonella typhimurium by using thin-layer chromatography. Buttke TM, et al. **J Bacteriol** 124(3):1566–73, Dec 75

Partial characterization of nucleoids and nucleoid-plasmid complexes from Salmonella typhimurium. Manis JJ, et al.
J Bacteriol 127(1):664–6, Jul 76

Relationship of structure to function in bacterial endotoxins. IX. Differences in the lipid moiety of endotoxic glycolipids. Ng AK, et al. **J Bacteriol** 126(1):511–5, Apr 76

Plasmid-determined alterations of Salmonella typhimurium lipopolysaccharides. Derylo M, et al. **Mol Gen Genet** 140(2):175–81, 29 Sep 75

CYTOLOGY

Action of polymyxin B on bacterial membranes: morphological changes in the cytoplasm and in the outer membrane of Salmonella typhimurium and Escherichia coli B. Schindler PR, et al. **Antimicrob Agents Chemother** 8(1):95–104, Jul 75

DRUG EFFECTS

Influence of subtherapeutic levels of oxytetracycline on Salmonella typhimurium in swine, alves, and chickens. Evangelisti DG, et al. **Antimicrob Agents Chemother** 8(6):664–72, Dec 75

Toxicity and mutagenicity of 2,4,-6-trinitrotoluene and its microbial metabolites. Won WD, et al.
Appl Environ Microbiol 31(4):576–80, Apr 76

Action of polymyxin B on bacterial membranes. Binding capacities for polymyxin B of inner and outer membranes isolated from Salmonella typhimurium G30. Teuber M, et al. **Arch Microbiol** 109(1–2):51–8, Aug 76

Mutagenicity of non-K-region diols and diol-epoxides of benz(a)anthracene and benzo(a)pyrene in S. typhimurium TA 100. Malaveille C, et al.
Biochem Biophys Res Commun 66(2):693–700, 16 Sep 75

High mutagenicity and toxicity of a diol epoxide derived from benzo(a)pyrene. Wislocki PG, et al.
Biochem Biophys Res Commun 68(3):1006–12, 9 Feb 76

Mutagenicity of 8-hydroxyquinoline and related compounds in the Salmonella typhimurium bioassay. Talcott R, et al.
Biochem Pharmacol 25(11):1323–8, 1 Jun 76

Mutagenic activity of anthraquinone derivatives used as dyes in a textile factory. Tamaro M, et al.
Boll Ist Sieroter Milan 54(2):105–7, 26 Jun 75 (Eng. Abstr.)

Mutagenicity of azathioprine. Speck WT, et al.
Cancer Res 36(1):108–9, Jan 76

Mutagenicity of nitrofurans, nitrothiophenes, nitropyrroles, nitroimidazole, aminothiophenes, and aminothiazoles in Salmonella typhimurium. Wang CY, et al. **Cancer Res** 35(12):3611–7, Dec 75

Mutagenic activity of platinum and ruthenium complexes. Monti-Bragadin C, et al. **Chem Biol Interact** 11(5):469–72, Nov 75

The mutagenicity of chloroethylene oxide, chloroacetaldehyde, 2-chloroethanol and chloroacetic acid, conceivable metabolites of vinyl chloride. Rannug U, et al. **Chem Biol Interact** 12(3–4):251–63, Mar 76

Mutagenicity of 5-nitroacenaphthene in salmonella. Yahagi T, et al. **Gann** 66(5):581–2, Oct 75

Mode of action of curing compounds. pp. 235–45. Hahn FE, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Screening of pesticides for mutagenic potential using Salmonella typhimurium mutants. Marshall TC, et al.
J Agric Food Chem 24(3):560–3, May–Jun 76

Effect of polymyxin on the ultrastructure of the outer membrane of wild-type and polymyxin-resistant strain of Salmonella. Lounatmaa K, et al. **J Bacteriol** 127(3):1400–7, Sep 76

Studies on the mechanism of inhibition of Salmonella typhimurium by 1,2,4-triazole. Kredich NM, et al.
J Biol Chem 250(18):7324–31, 25 Sep 75

Proceedings: Preliminary investigations on the mode of action of the cocarcinogen A1 using bacteria. Soper CJ, et al. **J Pharm Pharmacol** 27 Suppl?-2:51P, Dec 75

Relation between Salmonella typhimurium biotypes and drug resistance, Teheran, Iran (1962–1973). Badalian K, et al.
J Trop Med Hyg 79(2):28–31, Feb 76

Methods for detecting carcinogens and mutagens with the Salmonella/mammalian-microsome mutagenicity test. Ames BN, et al. **Mutat Res** 31(6):347–64, Dec 75

Mutagenicity and toxicity of amitrole. III. Microbial tests. Bamford D, et al. **Mutat Res** 40(3):197–202, Jul 76

Mutagenesis by 9,10-anthraquinone derivatives and related compounds in Salmonella typhimurium. Brown JP, et al.
Mutat Res 40(3):203–24, Jul 76

Vinyl chloride dependent mutagensis: effects of liver extracts and free radicals. Garro AJ, et al. **Mutat Res** 38(2):81–8, Apr 76

Mutagenicity and purative carcinogenicity tests of several polycyclic aromatic compounds associated with impurities of the insecticide methoxychlor. Grant EL, et al.
Mutat Res 40(3):225–8, Jul 76

Induction of point mutations by different chemical mechanisms in the liver microsomal assay. Herbold B, et al. **Mutat Res** 40(2):73–84, Apr 76

Reaction of nitrosamines in the Udenfriend system: principal products and biological activity. Hsieh ST, et al.
Mutat Res 35(1):23–8, Apr 76

Lack of mutagenic activity in Salmonella typhimurium of four optical brighteners. McGregor DB, et al.
Mutat Res 40(2):169–72, Apr 76

Mutagenic activity of styrene oxide (1,2-epoxyethylbenzene), a presumed styrene metabolite. Milvy P, et al.
Mutat Res 40(1):15–8, Jan 76

The lethal effect on bacteria of dimethylnitrosamine used without an activating agent. Read J. **Mutat Res** 33(2–3):107–12, Dec 75

Mutagenicity of metronidazole: structure-activity relationships. Rosenkranz HS Jr, et al. **Mutat Res** 38(3):203–6, Jun 76

Failure to detect a mutagenic activity of 8-methoxypsoralen (in the dark) in strains of Salmonella typhimurium and Escherichia coli. Scott BR. **Mutat Res** 40(2):167–8, Apr 76

Mutagenicity screening of pesticides in the microbial system. Shirasu Y, et al. **Mutat Res** 40(1):19–30, Jan 76

Mutagenicities of nitrofuran derivatives on a bacterial tester strain with an R factor plasmid. Yahagi T, et al.
Mutat Res 40(1):9–14, Jan 76

Production of frameshift mutations in Salmonella by a light sensitive azide analog of ethidium. Yielding LW, et al.
Mutat Res 34(3):351–8, Mar 76

Association of salmonella mutants with germfree rats: site specific model to detect carcinogens as mutagens. Wheeler LA, et al. **Proc Natl Acad Sci USA** 72(11):4607–11, Nov 75

Genetic properties of RM 98, an R plasmid of Salmonella which determines sensitivity to the phage IKe. Khatoon H. **Zentralbl Bakteriol [Orig A]** 234(3):294–304, Apr 76

[Mutagenicity testing of irradiated laboratory animal food in the host-mediated assay with Salmonella typhimurium TA 1530] Münzer R, et al. **Zentralbl Veterinaermed [B]** 23(2):117–21, Mar 76 (Eng. Abstr.) **(Ger)**

[Characteristics of the Salmonella and Shigella strains isolated from diarrhea patients during antibiotic therapy] Salvo S, et al. **Ann Sclavo** 17(2):146–53, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Screening methods using microbes for the environmental carcinogens (author's transl)] Yahagi T.
Protein Nucleic Acid Enzyme (Tokyo) 20(13):1178–89, Nov 75 **(Jpn)**

[Resistance to antibiotics such as furazolidone and sulfathiazole of S. typhimurium and S. enteritidis strains isolated from humans and animals in 1960–1973] Lalko J.
Med Dosw Mikrobiol 27(3):215–22, 1975 (Eng. Abstr.) **(Pol)**

[Transferable gentamicin resistance in multiresistant strains of Salmonella typhimurium] Magalhães M, et al.
Rev Inst Med Trop Sao Paulo 17(5):272–6, Sep–Oct 75 (Eng. Abstr.) **(Por)**

[Study of mutants of Salmonella typhimurium with altered sensitivity to the antibiotic fusidin] Gamaleia NB, et al.
Zh Mikrobiol Epidemiol Immunobiol (2):78–81, Feb 76 (Eng. Abstr.) **(Rus)**

[Biological properties of Salmonella typhimurium mutants with an altered sensitivity to erythromycin] Gamaleia NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):96–9, Jun 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Peptidases and proteases of Escherichia coli and Salmonella typhimurium. Miller CG. **Annu Rev Microbiol** 29:485–504, 1975

Mechanism of feedback inhibition by leucine. Purification and properties of a feedback-resistant alpha-isopropylmalate synthase. Soper TS, et al.
Arch Biochem Biophys 173(1):362–74, Mar 76

Mutants of Salmonella typhimurium deficient in DNA polymerase I: further characterization and genetic analysis. MacPhee DG, et al. **Aust J Biol Sci** 28(5–6):559–65, Dec 75

Regulation of GMP reductase in Salmonella typhimurium. Benson CE, et al. **Biochim Biophys Acta** 403(1):47–57, 22 Sep 75

Anthranilate synthase-anthranilate 5-phosphoribosylpyrophosphate phosphoribosyltransferases from Salmonella typhimurium. Purification of the enzyme complex and analysis of multiple forms. Grove TH, et al. **Biochim Biophys Acta** 445(2):464–74, 14 Sep 76

Metal ion requirement and tryptophan inhibition of normal and variant anthranilate synthase-anthranilate 5-phosphoribosylpyrophosphate phosphoribosyltransferase complexes from Salmonella tyrhimrium. Robison PD, et al. **Biochim Biophys Acta** 445(2):475–85, 14 Sep 76

Substrate specificity of Salmonella typhimurium RNAase III and the nature of products formed. Suryanarayana T, et al. **Biochim Biophys Acta** 407(4):459–68, 4 Nov 75

Cysteine biosynthesis in Salmonella typhimurium: the presence of ATP-sulfurylase and APS-kinase in various cysteine-requiring mutants. Collins JM, et al.
Can J Biochem 53(10):1118–21, Oct 75

Histidyl transfer ribonucleic acid synthetase from Salmonella typhimurium. Interaction with substrates and ATP analogues. Di Natale P, et al. **Eur J Biochem** 62(2):293–8, 16 Feb 76

Purine-nucleoside phosphorylase from Salmonella typhimurium and Escherichia coli. Initial velocity kinetics, ligand banding, and reaction mechanism. Jensen KF.
Eur J Biochem 61(2):377–86, 15 Jan 76

Histidyl-tRNA synthetase from Salmonella typhimurium: specificity in the binding of histidine analogues. Lepore GC, et al. **Eur J Biochem** 56(2):369–74, 15 Aug 75

Histidyl-transfer-ribonucleic-acid synthetase from Salmonella typhimurium. Studies of the sulfhydryl groups. Lepore GC, et al. **Eur J Biochem** 65(1):171–6, 17 May 76

The association of tryptophan synthetase subunits from Escherichia coli and Salmonella typhimurium in homologous and heterologous combinations. DiCamelli RF, et al. **Genet Res** 27(2):323–33, Apr 76

A ribonuclease I deficient mutant (MB24) of Salmonella typhimurium. Chakravorty M, et al.
Indian J Biochem Biophys 12(2):153–7, Jun 75

Regulatory mutants and control of cysteine biosynthetic enzymes in Salmonella typhimurium. Borum PR, et al.
J Bacteriol 125(1):94–101, Jan 76

Regulation of the ammonia assimilatory enzymes in Salmonella typhimurium. Brenchley JE, et al.
J Bacteriol 124(1):182–9, Oct 75

3-Deoxy-D-arabino-heptulosonic acid 7-phosphate synthase mutants of Salmonella typhimurium. DeLeo AB, et al. **J Bacteriol** 124(3):1312–20, Dec 75

Regulation of histidase synthesis in intergeneric hybrids of enteric bacteria. Goldberg RB, et al. **J Bacteriol** 127(1):114–9, Jul 76

pyrR identical to pyrH in Salmonella typhimurium: control of expression of the pyr genes. Justesen J, et al.
J Bacteriol 123(3):851–4, Sep 75

Pyrimidine biosynthetic enzymes of Salmonella typhimurium, repressed specifically by growth in the presence of cytidine. Kelln RA, et al. **J Bacteriol** 124(2):764–74, Nov 75

Growth rate modulation of four aminoacyl-transfer ribonucleic acid synthetases in enteric bacteria. McKeever WG, et al. **J Bacteriol** 126(2):634–45, May 76

Mutants of Salmonella typhimurium deficient in an endoprotease. Miller CG, et al. **J Bacteriol** 127(1):490–7, Jul 76

Transfer ribonucleic acid methylase deficiency found in UGA supressor strains. Reeves RH, et al. **J Bacteriol** 124(1):332–40, Oct 75

Membrane-associated nucleotide sugar reactions: influence of mutations affecting lipopolysaccharide on the first enzyme of O-antigen synthesis. Rundell K, et al.
J Bacteriol 123(3):928–36, Sep 75

Temperature-sensitive ribonucleic acid polymerase mutant of Salmonella typhimurium with a defect in the beta' subunit. Young BS, et al. **J Bacteriol** 127(3):1292–7, Sep 76

Evidence against a covalent intermediate in the adenosine triphosphate phosphoribosyltransferase reaction of histidine biosynthesis. Brashear WT, et al. **J Biol Chem** 250(17):6885–90, 10 Sep 75

A reaction mechanism from steady state kinetic studies for O-acetylserine sulfhydrylase from Salmonella typhimurium LT-2. Cook PF, et al. **J Biol Chem** 241(7):2023–9, 10 Apr 76

Coordinate regulation of adenylate cyclase and carbohydrate permeases by the phosphoenolpyruvate:sugar phosphotransferase system in Salmonella typhimurium. Saier MH Jr, et al. **J Biol Chem** 250(17):7078–80, 10 Sep 75

Direct transfer of the phosphoryl moiety of mannitol 1-phosphate to [14C]mannitol catalyzed by the enzyme II complexes of the phosphoenolpyruvate: mannitol phosphotransferase systems in Spirochaeta aurantia and Salmonella typhimurium. Saier MH Jr, et al.
J Biol Chem 251(12):3834–7, 25 Jun 76

Studies of the quaternary structure and the chemical properties of phosphoribosylpyrophosphate synthetase from Salmonella typhimurium. Schubert KR, et al.
J Biol Chem 250(18):7492–500, 25 Sep 75

Pyrimidine nucleoside analogues as inducers of pyrimidine nucleoside catabolizing enzymes in Salmonella typhimurium. Krajewska E, et al. **Mol Biol Rep** 2(4):295–301, Dec 75

The synthesis of S-adenosylmethionine by mutants with defects in S-adenosylmethionine synthetase. Hobson AC.
Mol Gen Genet 144(1):87–95, 27 Feb 76

Genetic analysis of mutants of Escherichia coli K12 and Salmonella typhimurium LT2 deficient in hydrogenase activity. Pascal MC, et al. **Mol Gen Genet** 141(2):173–9, 24 Nov 75

Methods for detecting carcinogens and mutagens with the Salmonella/mammalian-microsome mutagenicity test. Ames BN, et al. **Mutat Res** 31(6):347–64, Dec 75

Biosynthetic direction substrate kinetics and product inhibition studies on the first enzyme of histidine biosynthesis, adenosine triphosphate phosphoribosyltransferase. Morton DP, et al. **Nahrung** 20(1):677–86, 1976

GROWTH & DEVELOPMENT

Survival of Salmonella east bourne and Salmonella typhimurium in chocolate. Tamminga SK, et al.
J Hyg (Camb) 76(1):41–7, Feb 76

Morphogenesis of the bacterial division septum: a new class of septation-defective mutants. Weigand RA, et al.
Proc Natl Acad Sci USA 73(6):1882–6, Jun 76

Compatibility studies with the plasmid of Salmonella typhimurium LT2. Lemoine VR, et al.
Rev Lat Am Microbiol 17(2):79–85, Apr–Jun 75

Mode of growth and division of Salmonella typhimurium. Shannon KP, et al. **Z Allg Mikrobiol** 15(6):447–56, 1975

[Multiplication and virulentization of Salmonella typhimurium in mayonnaise] Kamburov G, et al.
Acta Microbiol Virol Immunol (Sofiia) 1:50–2, 1975 (Eng. Abstr.) **(Bul)**

[Multiplication and virulentization of Salmonella typhimurium in moist forage mixture for broilers] Karadzhov Ia, et al.
Acta Microbiol Virol Immunol (Sofiia) 1:53–6, 1975 (Eng. Abstr.) **(Bul)**

IMMUNOLOGY

Antibodies against Salmonella and SRBC in urodele amphibians: synthesis and characterization. Tournefier A, et al. **Adv Exp Med Biol** 64:161–71, 1975

Influence of age on the serological response of chickens to Salmonella typhimurium infection. Williams JE, et al. **Avian Dis** 19(4):745–60, Oct–Dec 75

The effect of T and B lymphocyte depletion on the protection of mice vaccinated with a Gal E mutant of Salmonella typhimurium. Morris JA, et al. **Br J Exp Pathol** 57(3):354–60, Jun 76

Compared efficiency of a killed vaccine of Salmonella typhimurium, a live vaccine and an antigenic fraction in oral immunization of mice. Fontanges R, et al. **Dev Biol Stand** 33:118–23, 1976

Ineffectiveness of Vi and chemically treated endotoxins as typhoid vaccines in mice challenged with a Salmonella typhosa–Salmonella typhimurium hybrid. Diena BB, et al. **Infect Immun** 12(6):1470–1, Dec 75

Evidence for an extrinsic immunogen in effective ribosomal vaccines from Salmonella typhimurium. Hoops P, et al. **Infect Immun** 13(4):1184–92, Apr 76

Salmonellosis in mice: immunization experiments with salmonella–escherichia coli hybrids. Kiefer W, et al. **Infect Immun** 13(5):1517–8, May 76

In situ separation of bacterial trapping and killing functions of the perfused liver. Moon RJ, et al. **Infect Immun** 12(2):411–8, Aug 75

Characterization of monkey peripheral neutrophil granules during infection. Rausch PG, et al. **Infect Immun** 12(3):687–93, Sep 75

Cell-mediated immune response to Salmonella typhimurium infection in mice: development of nonspecific bactericidal activity against Listeria monocytogenes. Zinkernagel RM. **Infect Immun** 13(4):1069–13, Apr 76

Enterobacterial common antigen in rfb deletion mutants of Salmonella typhimurium. Mäkelä PH, et al. **J Bacteriol** 127(3):1141–9, Sep 76

Genetic transfer of Salmonella O antigens to Escherichia coli O8. Kiefer W, et al. **J Gen Microbiol** 92(2):311–24, Feb 76

Adjuvant effect of lipid A obtained from Salmonella typhimurium on antibody response in mouse spleen. The role of carriers conjugated to lipid A. Nakano M, et al. **Jpn J Microbiol** 19(5):403–6, Oct 75

A comparative study on the immunogenicity of live and inactivated Salmonella typhimurium vaccines in mice. Cameron CM, et al. **Onderstepoort J Vet Res** 41(3):81–91, Sep 74

Anatomical locus of the common enterobacterial antigen. Johnson EJ, et al. **Z Immunitaetsforsch** 152(1):15–26, Sep 76

Profuse fimbriae conferring O-inagglutinability to several strains of S. typhi-murium and S. enteritidis isolated from pasta products. Cultural, morphological, and serological experiments. Rohde R, et al. **Zentralbl Bakteriol [Orig A]** 230(1):38–50, Jan 75

[A protective antigen in the supernatant of Salmonella typhimurium cultures (strain M–206)] Ivanoff B, et al. **C R Acad Sci [D] (Paris)** 280(6):791–3, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Protection by oral vaccination of mice with an avirulent live strain of Salmonella typhimurium] Ivanoff B, et al. **C R Soc Biol (Paris)** 169(2):350–4, 1975 **(Fre)**

[Bactericidal antibody against Salmonella surface antigen in immune mouse sera: non-productivity of 7S anti-Ra antibody] Inohara I, et al. **Jpn J Bacteriol** 30(1):195, Jan 75 **(Jpn)**

[Immunologic capacity of ribosomal fractions prepared from Salmonella schottmuelleri and Salmonella typhimurium] Kita E, et al. **Jpn J Bacteriol** 30(1):254, Jan 75 **(Jpn)**

ISOLATION & PURIFICATION

Effect of lincomycin on prevalence, duration, and quantity of Salmonella typhimurium excreted by swine. DeGeeter MJ, et al. **Am J Vet Res** 37(5):525–9, May 76

Influence of antibiotic-supplemented feed on occurrence and persistence of Salmonella typhimurium in experimentally infected swine. Gutzmann F, et al. **Am J Vet Res** 37(6):649–55, Jun 76

Survival of Salmonella and other indicator microorganisms. Mitchell DO, et al. **Can J Microbiol** 21(9):1420–1, Sep 75

Retention of Salmonella typhimurium by certain species of fish and shrimp. Lewis DH. **J Am Vet Med Assoc** 167(7):551–2, 1 Oct 75

Gradient elution of Salmonella typhimurium and Escherichia coli strains from a DEAE-cellulose column. Hall AN, et al. **J Appl Bacteriol** 41(1):189–92, Aug 76

The effect of feeding diets containing permitted antibiotics on the faecal excretion of Salmonella typhimurium by experimentally infected chickens. Smith HW, et al. **J Hyg (Camb)** 75(2):293–301, Oct 75

The effect of antibiotic therapy on the faecal excretion of Salmonella typhimurium by experimentally infected chickens. Smith HW, et al. **J Hyg (Camb)** 75(2):275–92, Oct 75

Letter: Colonic involvement in salmonellosis. Thomas M, et al. **Lancet** 1(7969):1129–30, 22 May 76

The incidence of Salmonella bacteria in Danish wildlife and in imported animals. Nielsen BB, et al. **Nord Vet Med** 27(12):633–40, Dec 75

Salmonella infection in mute swans (Cygnus olor). Clegg FG, et al. **Vet Rec** 97(19):373, 8 Nov 75

[Salmonella typhimurium masked as an Enterobacter species (author's transl)] Dahn R, et al. **Zentralbl Bakteriol [Orig A]** 233(2):277–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Characteristics of the Salmonella and Shigella strains isolated from diarrhea patients during antibiotic therapy] Salvo S, et al. **Ann Sclavo** 17(2):146–53, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Case of meningitis due tp salmonella typhimurium] Esposito L, et al. **Pediatria (Napoli)** 83(4):786–92, 31 Dec 75 (Eng. Abstr.) **(Ita)**

[Case of food poisoning caused by Salmonella typhimurium] Kotovskaia VS, et al. **Vrach Delo** (9):146–7, Sep 75 **(Rus)**

[Salmonella bacteria in double cream (author's transl)] Fondén R, et al. **Nord Vet Med** 28(7–8):385–91, Jul–Aug 76 (Eng. Abstr.) **(Swe)**

[Localization of Salmonella typhimurium in the body in chronic bacterial carrier state] Kondratenko GP, et al. **Mikrobiol Zh** 37(1):93–7, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Extension of host-range for coliphage BF23 to include Salmonella typhimurium. Mojica-A T, et al. **Arch Int Physiol Biochim** 83(5):980–1, Dec 75

Gene m3 mediated efflux of intracellular leucine from bacteriophage P22 infected Salmonella typhimurium. Bandyopadhyay PN, et al. **Biochem Biophys Res Commun** 71(2):644–50, 26 Jul 76

Salmonella typhimurium HfrA, a mutant in which adenosine triphosphate can drive amino acid transport but not energy-dependent nicotinamide nucleotide transhydrogenation. Kay WW, et al. **Biochem J** 150(1):21–9, Jul 75

The biosynthesis of the thiazole moiety of thiamine in Salmonella Typhimurium. Bellion E, et al. **Biochim Biophys Acta** 437(1):229–37, 23 Jun 76

Inhibition of growth and aspartokinase activity of Salmonella typhimurium by thialysine. Coles FT, et al. **Biochim Biophys Acta** 428(3):647–55, 28 May 76

Simultaneous selection of mutants in gluconeogenesis and nucleoside catabolism in Salmonella typhimurium. Jargiello P. **Biochim Biophys Acta** 444(1):321–5, 24 Aug 76

Outer membrane of Salmonella typhimurium. Transmembrane diffusion of some hydrophobic substances. Nikaido H. **Biochim Biophys Acta** 433(1):118–32, 16 Apr 76

Synthesis and localisation of Escherichia coli UDP-glucose hydrolase (5'-nucleotidase), and demonstration of a cytoplasmic inhibitor of this enzyme in Salmonella typhimurium. Taylor NS, et al. **Biochim Biophys Acta** 411(2):216–21, 5 Dec 75

On the mode of action of 5-diazouracil on bacterial cell division. Coates DA, et al. **Chem Biol Interact** 12(2):121–34, Feb 76

Comment on the mutagenic effectiveness of vinyl chloride metabolites. Hussain S, et al. **Chem Biol Interact** 12(3–4):265–7, Mar 76

Involvement of the phosphotransferase system in galactose transport in Salmonella typhimurium. Postma PW. **FEBS Lett** 61(1):49–53, 01 Jan 76

Effective utilization of exogenous deoxythymidine-5'-monophosphate for DNA synthesis in enterobacteria. Schwan H, et al. **FEBS Lett** 57(2):179–82, 15 Sep 75

Transcription and its regulation at the ribosomal level in prokaryotic systems. pp. 5–20. Gros F, et al. **In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.** (21 ref.)

Letter: Magnetic resonance spectroscopy on carbon-13 labeled uracil in transfer ribonucleic acid. Hamill WD Jr, et al. **J Am Chem Soc** 98(5):1276–3, 3 Mar 76

Sugar and polyol permeability of Salmonella and osmophilic yeast cell membranes measured by turbidimetry, and its relation to heat resistance. Corry JE. **J Appl Bacteriol** 40(3):277–84, Jun 76

Soluble and membrane-bound aspartate-binding activities in Salmonella typhimurium. Aksamit RR, et al. **J Bacteriol** 123(3):1000–5, Sep 75

Genetic and physiological regulation of intrinsic proteins of the outer membrane of Salmonella typhimurium. Bennett RL, et al. **J Bacteriol** 127(1):498–504, Jul 76

Fine-structure genetic map of the cysB locus in Salmonella typhimurium. Cheney RW Jr, et al. **J Bacteriol** 124(3):1273–81, Dec 75

Derepression and repression of the histidine operon: role of the feedback site of the first enzyme. Fernández VM, et al. **J Bacteriol** 124(3):1366–73, Dec 75

Regulation of the hut operons of Salmonella typhimurium and Klebsiella aerogenes by the heterologous hut repressors. Gerson SL, et al. **J Bacteriol** 124(3):1269–72, Dec 75

Deoxyribonucleic acid-binding studies on the hut repressor and mutant forms of the hut repressor of Salmonella typhimurium. Hagen DC, et al. **J Bacteriol** 127(2):837–47, Aug 76

Salmonella typhimurium SA host specificity system is based on deoxyribonucleic acid-adenine methylation. Hattman S, et al. **J Bacteriol** 127(1):211–7, Jul 76

Deletions fusing the hisG and hisD genes in Salmonella typhimurium. Ino I, et al. **J Bacteriol** 123(3):1254–64, Sep 75

Regulation of purine utilization in bacteria. VI. Characterization of hypoxanthine and guanine uptake into isolated membrane vesicles from Salmonella typhimurium. Jackman LE, et al. **J Bacteriol** 126(1):312–26, Apr 76

Mechanisms of siderophore iron transport in enteric bacteria. Leong J, et al. **J Bacteriol** 126(2):823–30, May 76

Biosynthesis and assembly of envelope lipoprotein in a glycerol-requiring mutant of Salmonella typhimurium. Lin JJ, et al. **J Bacteriol** 125(3):892–904, Mar 76

Iron transport in Salmonella typhimurium LT-2: prevention, by ferrichrome, of adsorption of bacteriophages ES18 and ES18.h1 to a common cell envelope receptor. Luckey M, et al. **J Bacteriol** 127(2):1036–7, Aug 76

trans-Recessive mutation in the first structural gene of the histidine operon that results in constitutive expression of the operon. Meyers M, et al. **J Bacteriol** 124(3):1227–35, Dec 75

Bacteriophage-resistant mutants of Salmonella typhimurium deficient in two major outer membrane proteins. Nurminen M, et al. **J Bacteriol** 127(2):941–55, Aug 76

Expression of the hut operons of Salmonella typhimurium in Klebsiella aerogenes and in Escherichia coli. Parada JL, et al. **J Bacteriol** 124(3):1263–8, Dec 75

Isolation of a hybrid F' factor-carrying Escherichia coli lactose region and Salmonella typhimurium histidine region, F42–400 (F' ts114 lac+, his+): its partial characterization and behavior in Salmonella typhimurium. Rao RN, et al. **J Bacteriol** 123(3):779–91, Sep 75

Effects of crp mutations on adenosine 3',5'-monophosphate metabolism in Salmonella typhimurium. Rephaeli AW, et al. **J Bacteriol** 127(1):120–7, Jul 76

Tryptophan biosynthesis in Salmonella typhimurium: location in trpB of a genetic difference between strains LT2 and LT7. Stuttard C. **J Bacteriol** 123(3):878–87, Sep 75

Genetic and physiological classification of periplasmic-leaky mutants of Salmonella typhimurium. Weigand RA, et al. **J Bacteriol** 125(1):340–5, Jan 76

Oligopeptide transport in proline peptidase mutants of Salmonella typhimurium. Jackson MB, et al. **J Biol Chem** 251(17):5300–9, 10 Sep 76

Biosynthesis of riboflavin. Structure of the purine precursor and origin of the ribityl side chain. Mailänder B, et al. **J Biol Chem** 251(12):3623–8, 25 Jun 76

Transport and metabolism of vitamin B6 in Salmonella typhimurium LT2. Mulligan JH, et al. **J Biol Chem** 251(4):1052–6, 25 Feb 76

Outer membrane as a diffusion barrier in Salmonella typhimurium. Penetration of oligo- and polysaccharides into isolated outer membrane vesicles and cells with degraded peptidoglycan layer. Nakae T, et al. **J Biol Chem** 250(18):7359–65, 25 Sep 75

Regulation of intracellular adenosine cyclic 3':5'-monophosphate levels in Escherichia coli and Salmonella typhimurium. Evidence for energy-dependent excretion of the cyclic nucleotide. Saier MH Jr, et al. **J Biol Chem** 250(19):7593–601, 10 Oct 75

Unusual Enterobacteriaceae: lactose-positive Salmonella typhimurium which is endemic in São Paulo, Brazil. Falcão DP, et al. **J Clin Microbiol** 2(4):349–53, Oct 75

The regulation of glutamine transport and glutamine synthetase in Salmonella typhimurium. Betteridge PR, et al. **J Gen Microbiol** 96(2):324–34, Aug 76

DNA restriction and modification systems in Salmonella. SQ, a new system derived by recombination between the SB system of Salmonella typhimurium and the SP system of Salmonella potsdam. Bullas LR, et al. **J Gen Microbiol** 95(1):166–72, Jul 76

Temporary expression of flagellar phase-1 in phase-2 clones of diphasic Salmonella. Iino T, et al. **J Gen Microbiol** 89(2):265–76, Aug 75

Precise position of the nml locus on the genetic map of Salmonella. Konno R, et al. **J Gen Microbiol** 93(1):182–4, Mar 76

Identification of nonsense mutations in the cysJ gene of Salmonella typhimurium. Loughlin RE. **J Gen Microbiol** 95(1):186–7, Jul 76

Mutants of Salmonella typhimurium responding to cysteine or methionine: their nature and possible role in the regulation of cysteine biosynthesis. Qureshi MA, et al. **J Gen Microbiol** 89(2):353–70, Aug 75

Instability of the Flac+ factor in a dnaC mutant of Salmonella typhimurium. Rodriguez Lemoine V, et al. **J Gen Microbiol** 90(2):360–3, Oct 75

Porphobilinogen-accumulating mutants of Salmonella typhimurium LT2. Säsärman A, et al. **J Gen Microbiol** 94(2):359–66, Jun 76

Mutations affecting aromatic amino acid transport in Escherichia coli and Salmonella typhimurium. Thorne GM, et al. **J Gen Microbiol** 90(2):203–16, Oct 75

Analysis of RNA turnover in bacteria using histidine as a radioactivity trap for (2-H)adenine nucleotides. Burton K. **J Mol Biol** 102(2):333–48, 5 Apr 76

Mutagenesis by insertion of a drug-resistance element carrying an inverted repetition. Kleckner N, et al. **J Mol Biol** 97(4):561–75, 5 Oct 75

Large overlapping tandem genetic duplications in Salmonella typhimurium. Straus DS, et al. **J Mol Biol** 103(1):143–53, 5 May 76

Mechanism of action of Salmonella phage P22 antirepressor. Susskind MM, et al. **J Mol Biol** 98(2):413–24, 25 Oct 75

The functional significance of the evolutionary divergence between the tryptophan operons of Escherichia coli and Salmonella typhimurium. Creighton TE. **J Mol Evol**

4(2):121–37, 29 Nov 74

Altered DNA synthesis in a mutant of Salmonella typhimurium that channels bacteriophage P22 toward lysogeny. Steinberg B, et al. **J Virol** 16(5):1154–60, Nov 75

Letter: Thymine-requiring bacteria. Hayer LJ, et al. **Lancet** 1(7968):1080, 15 May 76

Envelope mutation promoting autolysis in Salmonella typhimurium. Antón DN, et al. **Mol Gen Genet** 144(1):97–105, 27 Feb 76

The role of methionine transport-defective mutations in resistance to methionine sulphoximine in Salmonella typhimurium. Betteridge PR, et al. **Mol Gen Genet** 138(1):41–52, 1975

Location of the argR gene on the chromosome of Salmonella typhimurium. Kelln RA, et al. **Mol Gen Genet** 139(4):277–84, 8 Sep 75

The role of cAMP in flagellation of Salmonella typhimurium. Komeda Y, et al. **Mol Gen Genet** 142(4):289–98, 31 Dec 76

panD, a new chromosomal locus of Salmonella typhimurium for the biosynthesis of beta-alanine. Ortega MV, et al. **Mol Gen Genet** 140(2):159–64, 29 Sep 75

Spontaneous and induced mutability or frameshift strains of Salmonella typhimurium carrying uvrB and polA mutations. Imray FP, et al. **Mutat Res** 34(1):35–42, Jan 76

Proceedings: Comparative mutagenicity studies with S. typhimurium of dimethylnitrosamine (DMN) and diethylnitrosamine (DEN), after metabolic activation with liver and lung microsomes. Malaveille C, et al. **Mutat Res** 29(2):237–8, Aug 75

Rat and mouse tissue-mediated mutagenicity of ring-substituted 3,3-dimethyl-1-phenyltriazenes in Salmonella typhimurium. Malaveille C, et al. **Mutat Res** 36(1):1–10, Jul 76

A recombination-dependent replicating instability in Salmonella typhimurium. Murray GE, et al. **Mutat Res** 36(3):283–90, Sep 76

Enhancement of base pair substitution induced by alkylating mutagens in simulated hyperbaric diving environments. Wild JR. **Mutat Res** 38(4):259–70, Aug 76

Bacteriophage P22 lysogenises efficiently at high multiplicities of infection because Salmonella typhimurium DNA synthetic capacity is limited. Steinberg BM, et al. **Nature** 263(5572):54–6, 2 Sep 76

Histidine regulation in Salmonella typhimurium: an activator attenuator model of gene regulation. Artz SW, et al. **Proc Natl Acad Sci USA** 72(9):3453–7, Sep 75

Conditional-lethal mutations that suppress genetic defects in morphogenesis by altering structural proteins. Jarvik J, et al. **Proc Natl Acad Sci USA** 72(7):2738–42, Jul 75

Regulation of histidine operon does not require hisG enzyme. Scott JF, et al. **Proc Natl Acad Sci USA** 72(12):5021–5, Dec 75

Salmonellosis in calves due to lactose fermenting Salmonella typhimurium. Johnston KG, et al. **Vet Rec** 98(14):276–8, 3 Apr 76

PATHOGENICITY

Experimental model of oral antityphoid vaccination with live streptomycin-dependent Salmonella typhimurium in C57BL/6 mice. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):215–8, Oct 75

Contribution to the study of live streptomycin-dependent Salmonella vaccines: the problem of reversion to a virulent form. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):203–14, Oct 75

Decreased virulence of chlorate-resistant Salmonella typhimurium. Speck WT, et al. **J Infect Dis** 134(1):90–2, Jul 76

[Lysogeny and virulence of Salmonella Typhimurium] Toshkov A, et al. **Acta Microbiol Virol Immunol (Sofiia)** 1:62–5, 1975 (Eng. Abstr.) **(Bul)**

[Effects of R factors on virulence of the host bacteria: virulence of Salmonella LT-2 IN MICE WITH transfer of R factors from Shigella strains] Watanabe M. **Jpn J Bacteriol** 31(3):39–407, May 76 (Eng. Abstr.) **(Jpn)**

[Results of a quantitative study of the interaction of pathogenic enterobacteria with a cell monolayer] Elshina MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):19–25, Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Phagocytosis as a surface phenomenon. V. Contact angles and phagocytosis of rough and smooth strains of Salmonella typhimurium, and the influence of specific antiserum. Cunningham RK, et al. **Immunol Commun** 4(5):429–42, 1975

Isolation, characterization and complementation of Salmonella typhimurium chemotaxis mutants. Aswad D, et al. **J Mol Biol** 97(2):225–35, 15 Sep 75

Evidence for an S-adenosylmethionine requirement in the chemotactic behavior of Salmonella typhimurium. Aswad DW, et al. **J Mol Biol** 97(2):207–23, 15 Sep 75

Chemotaxis in bacteria. Adler J. **J Supramol Struct** 4(3):305–17, 1976 (93 ref.)

Studies of bacterial chemotaxis in defined concentration gradients. A model for chemotaxis toward L-serine. Dahlquist FW, et al. **J Supramol Struct** 4(3):329–42, 1976

Integrative suppression of a dnaA mutation in Salmonella typhimurium. Bagdasarian M, et al. **Mol Gen Genet** 139(3):213–31, 27 Aug 75

RADIATION EFFECTS

UV sensitivity of a nonrepressor regulatory protein of bacteriophage P22. Tokuno SI, et al. **J Virol** 18(1):65–70, Apr 76

UV-induced reversion patterns of constitutive and repressed Salmonella histidine auxotrophs. Savic DJ, et al. **Mol Gen Genet** 137(2):143–50, 1975

Base substitution mutations induced in Salmonella strains by visible light (450 nm). Speck WT, et al. **Photochem Photobiol** 21(5):369–71, May 75

The effect of ultraviolet light on the frequency of a genetic duplication in Salmonella typhimurium. Hoffmann GR, et al. **Radiat Res** 67(1):114–9, Jul 76

[Study of the sensitivity of a morphological mutant of S. typhimurium to irradiation] Sakanian VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):25–9, May 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Outer membrane of Salmonella typhimurium: accessibility of phospholipid head groups to phospholipase c and cyanogen bromide activated dextran in the external medium. Kamio Y, et al. **Biochemistry** 15(12):2561–70, 15 Jun 76

Comparison of the cell envelope structure of a lipopolysaccharide-defective (heptose-deficient) strain and a smooth strain of Salmonella typhimurium. Irvin RT, et al. **J Bacteriol** 124(2):930–41, Nov 75

Outer membrane of Salmonella typhimurium: chemical analysis and freeze-fracture studies with lipopolysaccharide mutants. Smit J, et al. **J Bacteriol** 124(2):942–58, Nov 75

Outer membrane of Salmonella. Isolation of protein complex that produces transmembrane channels. Nakae T. **J Biol Chem** 241(7):2176–8, 10 Apr 76

Adsorption of the R-specific bacteriophage PR4 to pili determined by a drug resistance plasmid of the W compatibility group. Bradley DE. **J Gen Microbiol** 95(1):181–5, Jul 76

[Morphological manifestation of the action of the complement-antibody system on the surface structures of S. typhimurium] Vysotskii VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):99–103, Jul 75 (Eng. Abstr.) **(Rus)**

SALMONELLA TYPHOSA see **SALMONELLA TYPHI**

SALMONIDAE

Induction of the drug metabolizing system in rainbow trout (Salmo gairdnerii) liver by polychlorinated biphenyls (PCBs). Lidman U, et al. **Acta Pharmacol Toxicol (Kbh)** 39(2):262–72, Aug 76

The pathology of infectious pancreatic necrosis. I. The sequential histopathology of the naturally ocurring condition. McKnight IJ, et al. **Br Vet J** 132(1):76–85, Jan–Feb 76

Nucleolar DNA in oocytes of Salmo irideus (Gibbons). Vlad M. **Cell Tissue Res** 167(3):407–24, 2 Apr 76

Chronic toxicity of a synthetic tri-aryl phosphate oil to fish. Lockhart WL, et al. **Environ Physiol Biochem** 5(6):361–9, 1975

Cesium kinetics data for estimating food consumption rates of trout. Hakonson TE, et al. **Health Phys** 29(2):301–6, Aug 75

Cytological and biochemical studies in back-crosses between the hybrid Atlantic salmon X sea trout and its parental species. Nygren A, et al. **Hereditas** 81(1):55–62, 1975

Chronic toxic effects of the water of the river Rhine upon rainbow trouts. pp. 81–91. Poels CL, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (13 ref.)

Biodegradation and aquatic toxicity of surfactants: a laboratory monitoring method. pp. 53–9. Reiff B. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (3 ref.)

Pitfalls in experiments on a possible toxic effect of chromium III, with special reference to the acetylcholinesterase of the gill of the rainbow trout. pp. 93–102. Smissaert HR, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (9 ref.)

Ocular pathology in rainbow trout in Malawi (Zomba disease). Lee WR, et al. **J Comp Pathol** 86(2):221–33, Apr 76

Detection and transmission of infectious hematopoietic necrosis virus in rainbow trout. Amend DF. **J Wildl Dis** 11(4):471–8, Oct 75

Blood changes in brook trout induced by infection with Aeromonas salmonicida. Shieh HS, et al. **J Wildl Dis** 12(1):77–82, Jan 76

Structural alterations in fish epidermal mucus produced by water-borne lead and mercury. Varanasi U, et al. **Nature** 258(5534):431–2, 4 Dec 75

Memory performance after flurothyl treatment in rainbow trout. Riege WH, et al. **Psychopharmacologia** 46(1):31–5, 1976

[Electrophoretic analysis of malate dehydrogenase isoenzymes in fish of the Salmonidae family] Slyn'ko VI. **Dokl Akad Nauk SSSR** 226(2):448–51, 11 Jan 76 **(Rus)**

ANATOMY & HISTOLOGY

Renal vasculature of the trout demonstrated by scanning electron microscopy, compared with canine glomerular vessels. Anderson BG, et al. **Am J Anat** 145(4):443–57, Apr 76

Fine structure of the rostral pars distalis follicle cells in homotransplanted pituitaries of rainbow trout, Salmo gairdneri. Leatherland JF, et al. **Can J Zool** 54(2):122–32, Feb 76

The fine structure of the epidermis of two species of salmonid fish, the Atlantic salmon (Salmo salar L.). and the brown trout (Salmo trutta L.) Harris JE, et al. **Cell Tissue Res** 163(4):535–43, 19 Nov 75

The saccus dorsalis of the rainbow trout, Salmo gairdneri Richardson: histological, cytochemical, electron microscopical and autoradiographical observations. Jansen WF, et al. **Cell Tissue Res** 167(4):467–91, 9 Apr 76

Arterio-venous anastomoses in rainbow trout gill filaments: a scanning and transmission electron microscopic study. Vogel W, et al. **Cell Tissue Res** 167(3):373–85, 2 Apr 76

The anatomy and fine structure of the eye in teleosts. V. Vascular relations of choriocapillaris, lentiform body and falciform process in rainbow trout (Salmo gairdneri). Copeland DE, et al. **Exp Eye Res** 23(1):15–27, Jul 76

Ultrastructural changes in the caudal neurosecretory cells of the trout Salvelinus fontinalis in relation to external salinity. Chevalier G. **Gen Comp Endocrinol** 29(4):441–54, Aug 76

Ultimobranchial gland of the trout (Salmo gairdneri). I. Immunohistology and radioimmunoassay of calcitonin. McMillan PJ, et al. **Gen Comp Endocrinol** 28(3):313–9, Mar 76

[Architecture of the pathways and primary optical centers in trout (Salmo irideus Gibb.)] Pinganaud G, et al. **C R Acad Sci [D] (Paris)** 281(5–8):411–4, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Morphogenesis and structure of teleost teeth (Salmo fario L.)] Bergot C. **J Biol Buccale** 3(4):301–24, Dec 75 **(Fre)**

[Electron microscopic identification of spoon-like contacts in the oculomotor nerve of the trout] Schuster T. **Z Mikrosk Anat Forsch** 89(2):285–93, 1975 (Eng. Abstr.) **(Ger)**

BLOOD

Egtved virus induced rainbow trout serum interferon: some physicochemical properties. Dorson M, et al. **Ann Microbiol (Paris)** 126(4):485–9, Dec 75

Iron-binding activity of female-specific serum proteins of rainbow trout (Salmo gairdneri) and chum salmon (Oncorhyncus keta). Hara A. **Biochim Biophys Acta** 427(2):549–57, 14 Apr 76

The histones of rainbow trout erythrocytes include an erythrocyte-specific histone. Miki BL, et al. **Can J Biochem** 53(11):1158–69, Nov 75

Regulation of arterial pH during fresh water to sea water transfer in the rainbow trout Salmo gairdneri. Milne RS, et al. **Comp Biochem Physiol [A]** 53(2):157–60, 1976

Study of the iodide binding protein of the plasma of the rainbow trout (Salmo gairdnerii Richardson). Perrier H, et al. **Comp Biochem Physiol [A]** 55(2a):165–70, 1976

Primary structure of hemoglobins from trout (Salmo irideus).partial determination of amino acid sequence of HB trout IV. Bossa F, et al. **FEBS Lett** 64(1):76–80, 15 Apr 76

Observations on CO trout hemoglobins by 13CNMR. Giacometti GM, et al. **FEBS Lett** 62(2):157–60, 15 Feb 76

Hematological effects of PCB (polychlorinated biphenyls) in the European eel, Anguilla anguilla L. and the rainbow trout, Salmo gairdnerii Rich. pp. 189–95. Johansson-Sjöbeck ML, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (7 ref.)

A technique for repeated sampling of the blood of individual resting fish. Soivio A, et al. **J Exp Biol** 63(1):207–17, Aug 75

Binding of steroids by plasma of a teleost: the rainbow trout, Salmo gairdnerii. Fostier A, et al. **J Steroid Biochem** 6(3–4):345–51, Mar–Apr 75

Fish kill at low pH in a Norwegian river. Leivestad H, et al. **Nature** 259(5542):391–2, 5 Feb 76

A comparison of some methods for determining oxygen dissociation curves of fish blood. Hughes GM, et al. **Rev Esp Fisiol** 31(2):83–90, Jun 75

[Infectious pancreatic necrosis virus: acquired susceptibility to trout serum neutralizing factor after repeated passage in cell culture] Dorson M, et al. **C R Acad Sci [D] (Paris)** 281(19):1435–8, 10 Nov 75 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Enveloping layer and periderm of the trout embryo (Salmo trutta fario L.)20U Bouvet J. **Cell Tissue Res** 170(3):367–82, 30 Jul 76

Transitory hemizygosity of paternally derived alleles in hybrid trout embryos. Schmidtke J, et al. **Nature** 260(5549):319–20, 25 Mar 76

[Differentiation and ultrastructure of distal skeleton of pectoral fin of indigenous trout (Salmo trutta fario L.). II. Differentiation and ultrastructure of lepidotrichia] Bouvet J. **Arch Anat Microsc Morphol Exp** 63(4):323–35, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[The first stages of genesis of the pelvic fin analage in the trout (Salmo fario and Salmo gairdneri). III. Regulation capacities (author's transl)] Geraudie J.
J Embryol Exp Morphol 34(2):407–18, Oct 75 (Eng. Abstr.) **(Fre)**

[Histological study of early stages of development of the rainbow trout (Salmo gairdneri Rich.)] Vern'e ZhM.
Ontogenez 7(1):35–46, 1976 **(Rus)**

GROWTH & DEVELOPMENT

Tooth replacement in the upper jaw of the rainbow trout (Salmo gairdneri). Berkovitz BK, et al. **J Exp Zool** 193(2):221–34, Aug 75

The effect of sublethal concentrations of zinc on growth and plasma glucose levels in rainbow trout, Salmo gairdneri (Richardson). Watson TA, et al. **J Wildl Dis** 12(2):263–70, Apr 76

[Development of the telencephalon of Salmo irideus Gib] Chanconie M, et al. **J Hirnforsch** 16(1):75–89, 1975 **(Fre)**

[Effects of alkylbenzenesulfonate (LAS) on the developmental stages of Salmo gairdneri Rich] Vailati G, et al. **Nuovi Ann Ig Microbiol** 26(1):67–84, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Evolution of the lymphoid system. I. Evidence for lymphocyte heterogeneity in rainbow trout revealed by the organ distribution of mitogenic responses. Etlinger HM, et al. **J Immunol** 116(6):1547–53, Jun 76

Trout ova, an alternative source of anti-B. Rees P, et al. **Med Lab Sci** 33(1):13–21, Jan 76

METABOLISM

Cytochrome P-450 and drug-induced spectral interactions in the hepatic microsomes of trout, Salmo trutta lacustris. Ahokas JT, et al. **Acta Pharmacol Toxicol (Kbh)** 38(5):440–9, May 76

Gene action in fish of tetraploid origin. IV. Ribosomal DNA amount in clupeoid and salmonoid fish. Schmidtke J, et al. **Biochem Genet** 14(3–4):293–7, Apr 76

Nitrogen metabolism and trophic input in relation to growth in freshwater and saltwater Salmo gairdneri. Smith MA, et al. **Biol Bull** 150(1):139–51, Feb 76

The effect of in vivo chromium exposure on Na/K-and Mg-ATPase activity in several tissues of the rainbow trout (Salmo gairdneri). Kuhnert PM, et al.
Bull Environ Contam Toxicol 15(4):383–90, Apr 76

Isolation and identification of a polar metabolite of tetrachlorobiphenyl from bile of rainbow trout exposed to 14C-tetrachlorobiphenyl. Melancon MJ Jr, et al.
Bull Environ Contam Toxicol 15(2):181–8, Feb 76

Chlorohydrocarbons in Lake Superior lake trout (Salvelinus namaycush). Parejko R, et al.
Bull Environ Contam Toxicol 14(4):480–8, Oct 75

Aromatic hydrocarbons in aquatic fauna. Zitko V.
Bull Environ Contam Toxicol 14(5):621–31, Nov 75

Influence of injection route on radiothyroxine kinetics in brook trout, Salvelinus fontinalis (Mitchill). Higgs DA, et al. **Can J Zool** 54(2):255–9, Feb 76

The influence of TSH and ACTH on purine and pteridine deposition in the skin of rainbow trout (Salmo gairdneri). Premdas FH, et al. **Can J Zool** 54(4):576–81, Apr 76

Aflatoxin B1 metabolism to aflatoxicol and derivatives lethal to Bacillus subtilis GSY 1057 by rainbow trout (Salmo gairdneri) liver. Schoenhard GL, et al. **Cancer Res** 36(6):2040–5, Jun 76

Autoradiographic localization of 3H-5-HTP and 3H-5-HT in the pineal organ and circumventricular areas in the rainbow trout, Salmo gairdneri Richardson. Hafeez MA, et al. **Cell Tissue Res** 170(1):61–76, 20 Jul 76

Effect of temperature on the properties of cytoplasmic NADP malate dehydrogenases from liver of warm and cold acclimatized rainbow trout. Baldwin J, et al.
Comp Biochem Physiol [B] 54(4):531–5, 1976

Cytoplasmic sources of NADPH for fat synthesis in rainbow trout liver: effect of thermal acclimation on enzyme activities. Baldwin J, et al. **Comp Biochem Physiol [B]** 54(4):527–9, 1976

Effects of thyroid hormones on in vivo 1-14C L-leucine incorporation into plasma and tissue protein of brook trout (Salvelinus fontinalis) and rainbow trout (Salmo gairdneri). Narayansingh T, et al. **Comp Biochem Physiol [B]** 52(3):99–405, 15 Nov 75

The influence of physiological doses of thyroxine on the lipid reserves of starved and fed brook trout, Salvelinus fontinalis (Mitchill). Narayansingh T, et al.
Comp Biochem Physiol [B] 52(3):407–12, 15 Nov 75

A note on studies of in vitro protein synthesis in temperature acclimated teleost tissues. Owen TG.
Comp Biochem Physiol [B] 52(4):557–9, 15 Dec 75

Synthesis of N-acetyl neuraminic acid from [14C] glucose by the epidermis of the brown trout, Salmo trutta L. Pickering AD. **Comp Biochem Physiol [B]** 54(3):325–8, 1976

Identification of pteridines and purines in the skin of rainbow trout (Salmo gairdneri) and brook trout (Salvelinus fontinalis). Premdas FH, et al.
Comp Biochem Physiol [B] 53(4):561–7, 1976

Electrophoretic investigation of subpopulations of the spotted seatrout. Cynoscion nebulosus (Cuvier), in the Gulf of Mexico and Atlantic coast of Florida. Weinstein MP, et al. **Comp Biochem Physiol [B]** 54(1):97–102, 1976

Influence of temperature upon tricaine methane sulphonate uptake and induction of anthesthesia in rainbow trout (Salmo gairdneri). Houston AH, et al.
Comp Biochem Physiol [C] 54(1):1–6, 1976

Alterations in diurnal pineal hydroxyindole-o-methyltransferase (HIOMT) activity in steelhead trout (Salmo gairdneri) associated with changes in environmental background color. Smith JR, et al.
Comp Biochem Physiol [C] 53(1):33–5, 1976

Comparative effects of antimycin A on isolated mitochondria of channel catfish (Ictalurus punctatus) and rainbow trout (Salmo gairdneri). Smith MJ, et al.
Comp Biochem Physiol [C] 52(2):113–7, 1 Dec 75

Distribution and biliary excretion products of di-2-ethylhexyl phthalate in rainbow trout. Melancon MJ Jr, et al. **Drug Metab Dispos** 4(2):112–8, Mar–Apr 76

Biliary excretion products of 1-[1-14C]naphthyl-N-methylcarbamate (carbaryl) in rainbow trout (Salmo gairdneri). Statham CN, et al.
Drug Metab Dispos 3(5):400–6, Sep–Oct 75

The metabolism of some DDT-type compounds by brook trout (Salvelinus fontinalis). Addison RF, et al.
Environ Qual Saf [Suppl] 3:500–6, 1975

Liver composition and histology of rainbow trout fed cyclopropenoid fatty acids. Struthers BJ, et al.
Exp Mol Pathol 23(2):164–70, Oct 75

Altered lipid metabolism in livers of rainbow trout fed cyclopropenoid fatty acids. Struthers BJ, et al.
Exp Mol Pathol 23(2):181–7, Oct 75

Androgen metabolism in skin and skeletal muscle of the rainbow trout (Salmo gairdnerii) and in accessory sexual organs of the spur dogfish (Squalus acanthias). Hay JB, et al. **Gen Comp Endocrinol** 29(3):402–13, Jul 76

ACTH production by the pars intermedia of the rainbow trout pituitary. Scott AP, et al. **Gen Comp Endocrinol** 27(2):193–202, Oct 75

Cesium-137 activities in fish residing in thermal discharges to Lake Michigan. Spigarelli SA. **Health Phys** 30(5):411–3, May 76

Trends of polychlorinated biphenyls in three Lake Michigan fishes. pp. 177–81. Willford WA, et al.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Ammoniumsulphate precipitation of fish – rainbow trout, Salmo gairdneri Rich. – Liver microsomes – a possible technique for studies on drug metabolism under field conditions. pp. 213–20. Förlin L, et al.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (18 ref.)

Metabolic effects of PCB (polychlorinated biphenyls) in the rainbow trout, Salmo gairdnerii Rich. pp. 207–12. Lidman U, et al.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (8 ref.)

Uptake of methylmercury by aquatic organisms from water and food. pp. 61–79. Lock RA.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (35 ref.)

The effect of PCB on the activity of delta-amino-levulinic acid dehydratase (ALA-D) and on some hematological parameters in the rainbow trout, Salmo gairdneri. pp. 111–9. Westman I, et al.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (34 ref.)

Choline metabolism and nutritional requirement of lake trout (Salvelinus namaycush). Ketola HG. **J Anim Sci** 43(2):474–7, Aug 76

An investigation of antibiotic and drug residues in fish. McCracken A, et al. **J Appl Bacteriol** 40(1):61–6, Feb 76

Bacillus subtilis GSY 1057 assay for aflatoxin B activation by rainbow trout (Salmo gairdneri). Schoenhard GL, et al. **J Assoc Off Anal Chem** 58(5):1074–6, Sep 75

The unreliability of mammalian glomerular markers in teleostean renal studies. Beyenbach KW, et al.
J Exp Biol 64(2):369–78, Apr 76

On the interaction of NH+4 and Na+ fluxes in the isolated trout gill. Kerstetter TH, et al. **J Exp Biol** 64(2):517–27, Apr 76

The effects of calcium on water balance of the brown trout Salmo trutta. Oduleye SO. **J Exp Biol** 63(2):343–56, Oct 75

Determination of antitrypsin activity on agar plates: relationship between antitrypsin and biological value of soybean for trout. Sandholm M, et al. **J Nutr** 106(6):761–6, Jun 76

The energy requirements of trout and perch populations in Loch Leven, Kinross. Morgan RI.
Proc R Soc Edinb [Biol] 74:333–45, 1974

Metabolism of 2,5-diphenyloxazole (PPO) by trout liver microsomal mixed function monooxygenase. Ahokas JT. **Res Commun Chem Pathol Pharmacol** 13(3):439–47, Mar 76

Uptake of bovine serum albumin by rainbow trout from hypersmotic solutions: a model for vaccinating fish. Amend DF, et al. **Science** 192(4241):793–4, 21 May 76

Bioconcentration of xenobiotics in trout bile: a proposed monitoring aid for some waterborne chemicals. Statham CN, et al. **Science** 193(4254):680–1, 20 Aug 76

The erythrocyte transport and transfer of methylmercury to the tissues of the rainbow trout (Salmo gairdneri). Giblin FJ, et al. **Toxicology** 5(2):243–54, Nov 75

MICROBIOLOGY

Yersinia enterocolitica in borwn trout (Salmo trutta L.) from Norway. Kapperud G, et al.
Acta Pathol Microbiol Scand [B] 84(1):66–8, Feb 76

Infectious pancreatic necrosis: first isolation of virus from fish in Norway. Hastein T, et al. **Acta Vet Scand** 17(1):109–11, 1976

Infectious pancreatic necrosis (IPN) virus carriers and antibody production in a population of rainbow trout (Salmo gairdneri). Yamamoto T. **Can J Microbiol** 21(9):1343–7, Sep 75

The incidence of Clostridium botulinum in farmed trout raised in Great Britain. Cann DC, et al.
J Appl Bacteriol 39(3):331–6, Dec 75

[Comparative infection studies with Egtved viruses (strain F1) in rainbow trout (Salmo gairdneri) and gold trout (Salmo aguabonita)] Ahne W, et al.
Berl Munch Tieraerztl Wochenschr 89(8):161–4, 15 Apr 76 (Eng. Abstr.) **(Ger)**

[Double infection of the rainbow trout with viruses of viral hemorrhagic septicemia (VHS) and of infectious pancreatic necrosis (IPN)] Schlotfeldt HJ, et al.
Berl Munch Tieraerztl Wochenschr 88(23):454, 1 Dec 75 (Eng. Abstr.) **(Ger)**

[Comparative studies by the electron microscope of rhabdoviruses of plant and of animal origin. III. Egtved virus (VHS) of the rainbow trout (Salmo gairdneri) and rickettsia-like organisms (author's transl)] Özel M, et al.
Zentralbl Bakteriol [Orig A] 230(1):1–14, Jan 75 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

The life history of Plagioporus shawi (McIntosh 1939) (Trematoda:Opecoelida), an intestinal parasite of salmonid fishes. Schell SC. **J Parasitol** 61(5):899–905, Oct 75

[Study of the parasitofauna of salmon fry of the genus Oncorhynchus in the Sea of Okhotsk] Butorina TE.
Parazitologiia 10(1):3–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Kidney and urinary bladder functions of the rainbow trout in Mg and Na excretion. Beyenbach KW, et al.
Am J Physiol 229(2):389–93, Aug 75

Effect of epinephrine on vascular space of gills and head of rainbow trout. Girard JP, et al. **Am J Physiol** 230(6):1555–60, Jun 76

Acute toxicity of selenium dioxide to freshwater fishes. Cardwell RD, et al. **Arch Environ Contam Toxicol** 4(2):129–44, 1976

Gene action in fish of tetraploid origin. II. Cellular and biochemical parameters in clupeoid and salmonoid fish. Schmidtke J, et al. **Biochem Genet** 13(5–6):301–9, Jun 75

Computer aided biotelemetry system applied to free swimming fish. McAleenan RN, et al.
Biomed Sci Instrum 12:29–32, 3–5 May 76

Overt avoidance reaction of rainbow trout fry to nine herbicides. Folmar LC. **Bull Environ Contam Toxicol** 15(5):509–14, May 76

Acute toxicity of ammonia-base neutral sulfite pulp mill waste liquor to rainbow trout. Griffin JM, et al.
Bull Environ Contam Toxicol 15(5):608–12, May 76

Acute toxicity of pesticide mixtures to bluegills. Macek KJ.
Bull Environ Contam Toxicol 14(6):648–51, Dec 75

Temperature selection in brook trout (salvelinus fontinalis) following exposure to DDT, PCB or phenol. Miller DL, et al. **Bull Environ Contam Toxicol** 14(5):545–51, Nov 75

Bioassays on the combined effects of chlorine, heavy metals and temperature on fishes and fish food organisms. Part I. Effects of chlorine and temperature on juvenile brook trout (Salvelinus fontinolis). Thatcher TO, et al.
Bull Environ Contam Toxicol 15(1):40–8, Jan 76

Effects of three pesticides on respiration, coughing, and heart rates of rainbow trout (Salmo gairdneri Richardson). Lunn CR, et al. **Can J Zool** 54(2):214–9, Feb 76

A pharmacological analysis of the adrenergic and cholinergic mechanisms regulating branchial vascular resistance in the rainbow trout (Salmo gairdneri). Wood CM.
Can J Zool 53(11):1569–77, Nov 75

Structure-activity relationships of amino acids in fish olfaction. Hara TJ. **Comp Biochem Physiol [A]** 54(1):31–6, 1976

Effects of pH on the olfactory responses to amino acids in rainbow trout, Salmo gairdneri. Hara TJ.
Comp Biochem Physiol [A] 54(1):37–9, 1976

Olfactory responses to skin mucous substances in rainbow trout Salmo gairdneri. Hara TJ, et al.
Comp Biochem Physiol [A] 54(1):41–4, 1976

Spectral analysis of olfactory responses to amino acids in rainbow trout, Salmo gairdneri. Satou M, et al.
Comp Biochem Physiol [A] 52(2):359–65, 1 Oct 75

The splanchnic nerve supply to the stomach of the trout, Salmo trutta and S. gairdneri. Campbell G, et al.
Comp Biochem Physiol [C] 55(1):51–3, 1976

Calcitonin secretion in vitro. II. Regulatory effects of enteric mammalian polypeptide hormones on trout C-cell cultures. Roos BA, et al. **Endocrinology** 98(5):1284–8, May 76

The carcinogenicity of aflatoxin M1 in rainbow trout. Canton JH, et al. **Food Cosmet Toxicol** 13(4):441–3, Aug 75

Influence of bovine TSH on plasma thyroxine levels and

thyroid function in brook trout, Salvelinus fontinalis (Mitchill). Chan HH, et al. **Gen Comp Endocrinol** 28(4):461–72, Apr 76

The plasma gonadotropin profile during sexual maturation in a variety of salmonid fishes. Crim LW, et al. **Gen Comp Endocrinol** 27(1):62–70, Sep 75

Gene duplication in the family Salmonidae. III. Linkage between two duplicated loci coding for aspartate aminotransferase in the cutthroat trout (Salmo clarki). Allendorf FW, et al. **Hereditas** 82(1):19–24, 1976

Correlation of ATPase activities in liver plasma membranes from rainbow trout and rat to physiological body temperatures. Lutz F. **Hoppe Seylers Z Physiol Chem** 356(5):615–6, May 75

Ultrastructure of coronary arterial changes in spawning pacific salmon (Genus oncorhynchus) and steelhead trout (Salmo gairdnerii). Moore JF, et al. **J Comp Pathol** 86(2):259–67, Apr 76

Proceedings: Single nephron filtration rates in the trout, Salmo gairdneri. Brown JA, et al. **J Endocrinol** 67(2):63P–64P, Nov 75

Acid–base balance in rainbow trout (Salmo gairdneri) subjected to acid stresses. Eddy FB. **J Exp Biol** 64(1):159–71, Feb 76

The effect of hypophysectomy and prolactin therapy on water balance of the brown trout Salmo trutta. Oduleye SO. **J Exp Biol** 63(2):357–66, Oct 75

The effects of hypophysectomy, prolactin therapy and environmental calcium on electrolyte balance of the brown trout Salmo trutta, L. Oduleye SO. **J Exp Biol** 64(1):221–31, Feb 76

Physical and adrenergic factors affecting systemic vascular resistance in the rainbow trout: a comparison with branchial vascular resistance. Wood CM, et al. **J Exp Biol** 63(2):505–23, Oct 75

Ventilation and metabolic rate of young rainbow trout (Salmo gairdneri) exposed to sublethal environmental pH. Hargis JR. **J Exp Zool** 196(1):39–44, Apr 76

The effects of temperature and thermal acclimation upon the osmotic properties and nonelectrolyte permeability of liver and gill mitochondria from rainbow trout (Salmo gairdneri). Hazel JR, et al. **J Exp Zool** 195(3):425–38, Mar 76

Comparative toxicity of polyelectrolytes to selected aquatic animals. Biesinger KE, et al. **J Water Pollut Control Fed** 48(1):183–7, Jan 76

Acute lethality and in vitro brain cholinesterase inhibition of acephate and fenitrothion in rainbow trout. Klaverkamp JF, et al. **Proc West Pharmacol Soc** 18:358–61, 1975

In vitro ovulation of trout oocytes: effect of prostaglandins on smooth muscle-like cells of the theca. Jalabert B, et al. **Prostaglandins** 9(5):765–78, May 75

The effects of changes in pH and PCO2 in blood and water on breathing in rainbow trout, Salmo gairdneri. Janssen RG, et al. **Respir Physiol** 25(2):235–45, Nov 75

Coughing in the rainbow trout (Salmo gairdneri) and the influence of pollutants. Hughes GM. **Rev Suisse Zool** 82(1):47–64, May 75

Potentiation of the acute toxicity of several pesticides and herbicides in trout by carbaryl. Statham CN, et al. **Toxicol Appl Pharmacol** 34(1):83–7, Oct 75

Studies on the mechanism of potentiation of the acute toxicity of 2,4–D n–butyl ester and 2',5–dichloro–4'–nitrosalicylanilide in rainbow trout by carbaryl. Statham CN, et al. **Toxicol Appl Pharmacol** 36(2):281–96, May 76

[Modulation of 17–alpha–hydroxy–20 beta–dihydroprogesterone or gonadotropic extract activity on the in vitro intrafollicular maturation of rainbow trout (Salmo gairdnerii) oocytes by various steroids lacking maturing activity.] Jalabert B. **C R Acad Sci [D] (Paris)** 281(12):811–4, 22 Sep 75 (Eng. Abstr.) **(Fre)**

[Reproductive cycle of trout and tench: effect of experimental variations of the temperature (author's transl)] Breton B, et al. **J Physiol (Paris)** 70(5):561–4, Dec 75 (Eng. Abstr.) **(Fre)**

[Adaptation of trout to seawater. Effects on sodium plasma concentration, gill exchange and intestinal transport] Lahlou B, et al. **J Physiol (Paris)** 70(5):593–603, Dec 75 (Eng. Abstr.) **(Fre)**

[Motility measurements on trouts using induced voltage in reference to continuous water control] Petry H. **Tieraerztl Prax** 3(1):93–8, 1975 **(Ger)**

SALPINGITIS

BLOOD

Serum protein changes in acute salpingitis and their diagnostic value. p. 168. Jacobson L, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

COMPLICATIONS

Ruptured tubo–ovarian abscess. Weekes LR. **J Natl Med Assoc** 67(6):436–43, Nov 75

[Mature intraligamentary pregnancy with florid salpingitis tuberculosa (author's transl)] Zieger G, et al. **Geburtshilfe Frauenheilkd** 36(3):265–70, Mar 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Acute salpingitis. Aspects on aetiology, diagnosis, and prognosis. pp. 157–67. Weström L, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Postmenopausal tuboovarian abscess. Heaton FC, et al. **Obstet Gynecol** 47(1):90–4, Jan 76

DRUG THERAPY

The place of Bactrim and Vibramycin in acute salpingitis. Ng A. **Med J Malaysia** 30(2):133–4, Dec 75

ENZYMOLOGY

Hyperamylasemia associated with gonococcal salpingitis and perihepatitis. Chow AW, et al. **Obstet Gynecol** 48(1 Suppl):29S–30S, Jul 76

ETIOLOGY

Haemophilus influenzae as a cause of salpingitis. Herva E, et al. **Ann Chir Gynaecol Fenn** 64(5):317–9, 1975

Gonococcal salpingitis in gynaecology—myth or missed? Sparks RA, et al. **Br J Vener Dis** 52(3):178–81, Jun 76

Letter: Promiscuity and infertility. Sparks RA. **Br Med J** 4(5992):346, 8 Nov 75

Acute salpingitis and gonorrhoea on a gynaecological ward. A bacteriologic, immunofluorescent and serologic study. pp. 151–6. Danielsson D, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Salpingitis: a frequent response to intrauterin contraception. Smith MR, et al. **J Reprod Med** 16(4):159–62, Apr 76

Letter: Mycoplasma pneumoiae in a tubo–ovarian abscess. Thomas M, et al. **Lancet** 2(7938):774–5, 18 Oct 75

Editorial: Infective complications of the IUD. **Med J Aust** 2(7):241–2, 16 Aug 75

Gonococcal periappendicitis and salpingitis in a prepubertal girl. Auman GL, et al. **Pediatrics** 58(2):287–8, Aug 76

MICROBIOLOGY

Cul–de–sac isolates from patients with endometritis–salpingitis–peritonitis and gonococcal endocervicitis. Monif GR, et al. **Am J Obstet Gynecol** 126(2): 158–61, 15Sep 76

Meningococcal salpingitis. Willmott FE. **Br J Vener Dis** 52(3):182–3, Jun 76

THERAPY

[Treatment of chronic salpingooophoritis during the period of exacerbation] Bodiazhina VI, et al. **Akush Ginekol (Mosk)** (5):13–8, May 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Characterization of atypical Actinobacillus lignieresii isolated from ducks with salpingitis and peritonitis. Bisgaard M. **Nord Vet Med** 27(7–8):378–83, Jul–Aug 75 (Eng. Abstr.)

Use of embryo–transfer technique in the diagnosis of bovine uterine–tube pathology. Archbald LF, et al. **Vet Med Small Anim Clin** 71(2):208–9, Feb 76

SALPINGOGRAPHY see **HYSTEROSALPINGOGRAPHY**

SALT GLAND

Salt glands in birds and reptiles. Peaker M, et al. **Monogr Physiol Soc** (32):1–297, 1975 (913 ref.)

DRUG EFFECTS

Inhibition of mallard salt gland function by DDE and organophosphates. pp. 261–9. Friend M, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

ENZYMOLOGY

The reversible delipidation of a solubilized sodium–plus–potassium ion–dependent adenosine triphosphatase from the salt gland of the spiny dogfish. Ottolenghi P. **Biochem J** 151(1):61–6, Oct 75

Induction of the catalytic protein of (Na+ plus K+)–ATPase in the salt gland of the duck. Stewart DJ, et al. **Biochim Biophys Acta** 419(1):150–63, 8 Jan 76

Sodium–potassium activated adenosine triphosphatase in coelacanth tissues: high activity in rectal gland. Griffith RW, et al. **Comp Biochem Physiol [B]** 54(4):557–9, 1976

Sodium– and potassium–activated adenosine triphosphatase of the nasal salt gland of the duck (Anas platyrhynchos). Purification, characterization, and NH2–terminal amino acid sequence of the phosphorylating polypeptide. Hopkins BE, et al. **J Biol Chem** 251(14):4365–71, 25 Jul 76

PHYSIOLOGY

Studies in avian adrenal steroid function. V: Hormone kinetics and the differentiation of mineralocorticoid and glucocorticoid effects. Thomas DH, et al. **Gen Comp Endocrinol** 26(4):440–50, Aug 75

Recent advances in the physiology of salt glands. pp. 107–27. Peaker M. **In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975.** (33 ref.)

A preliminary investigation into the roles played by the rectal gland and kidneys in the osmoregulation of the striped dogfish Poroderma africanum. Haywood GP. **J Exp Zool** 193(2):167–75, Aug 75

SECRETION

Effect of glucose on salt gland secretion in the glaucous–winged gull, Larus glaucescens. Hughes MR. **Comp Biochem Physiol [A]** 53(3):311–2, 1976

Effect of substance P on nasal gland secretion in the domestic duck (Anas platyrhynchos). Cheeseman J, et al. **Gen Comp Endocrinol** 27(4):527–30, Dec 75

SALTS

Influence of salts and gelatin on disintegration of Saccharomyces cerevisiae by freeze–pressing. Magnusson KE, et al. **Biotechnol Bioeng** 18(4):449–63, Apr 76

Letter: A comparison of the saltiness of 'Morton Lite–Salt' and table salt. Kincaid JP, et al. **N Engl J Med** 293(24):1268, 11 Dec 75

Letter: Saltiness of 'Morton Lite–Salt' and table salt used with rice. Kingaid JP, et al. **N Engl J Med** 294(14):788, 1 Apr 76

Enhancement of gustatory neural response to salts following adaptation of frog tongue to quinine–HCl. Sato T. **Tohoku J Exp Med** 117(4):381–4, Dec 75

[Bitter salt spring water from the Inowroclaw Spa in the form of effervescent tablets] Broda H. **Pol Tyg Lek** 31(28):1195–6, 12 Jul 76 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

[Proceedings: Granule distribution in the renal cortex glomerulus in rats fed with low or high salt diet] Odera K. **J Physiol Soc Jpn** 36(8–9):370, 1 Sep 74 **(Jpn)**

PHARMACODYNAMICS

Influence of salts on the microbial activities in arid and semi–humid soils. El–Shinnawi MM. **Acta Microbiol Pol [B]** 7(3):141–50, 1975

The influence of salts and differences in protein isolation procedure on the binding of quinidine to human serum albumin. Nilsen OG, et al. **Biochem Pharmacol** 25(11):1261–6, 1 Jun 76

Pysicochemical studies of taste reception. V. Suppressive effect of salts on sugar response of the frog. Miyake M, et al. **Biochim Biophys Acta** 436(4):856–62, 15 Jul 76

Regulation of malate dehydrogenase from an osmoconformer by salt. Sarkissian IV, et al. **Comp Biochem Physiol [B]** 53(2):191–4, 1976

Chemotaxis in Physarum polycephalum. Effects of chemicals on isometric tension of the plasmodial strand in relation to chemotactic movement. Ueda T, et al. **Exp Cell Res** 100(2):337–44, Jul 76

Effects of solutes on the swelling pressure of the corneal stroma. Wiley T, et al. **Invest Ophthalmol** 14(9):684–8, Sep 75

Altered hexose transport and salt sensitivity in cyclic adenosine 3',5'–monophosphate–deficient Escherichia coli. Ezzeil JW, et al. **J Bacteriol** 124(2):815–24, Nov 75

The effects of polyvalent salts on zeta potential of bone. Wilson CN, et al. **J Biomed Mater Res** 9(3):265–72, May 75

The influence of environmental salinity on hemocyanin function in the blue crab, Callinectes sapidus. Weiland AL, et al. **J Exp Zool** 193(3):265–73, Sep 75

Mechanism of salt–mediated inhibition of lipoprotein lipase. Fielding CJ, et al. **J Lipid Res** 17(3):248–56, May 76

Salt stimulated respiration and ion transport of Chlorella fusca. Löppert HG. **Z Allg Mikrobiol** 14(8):701–5, 1974

Hydrolysis of urea in different soil types as affected by certain inorganic salts. El–Shinnawi MM. **Zentralbl Bakteriol [Naturwiss]** 130(4):357–62, 1975

[The characteristics of uricase production by a Hyphomycetes isolated from the excrements of Cettia diphone cantans. I. Acceleration of uricase formation by high salt concentrations and zinc salts (author's transl)] Kon Y, et al. **J Pharm Soc Jpn** 96(1):66–70, Jan 76 (Eng. Abstr.) **(Jpn)**

[Analysis of resistance of Staphylococcus against salts. Conditions of the membrane isolated from wild strains and salt–sensitive mutants] Hayashi H, et al. **Jpn J Bacteriol** 30(1):122, Jan 75 **(Jpn)**

[Changes of membrane components of gram–negative, moderately halophilic bacteria caused by changes of salt concentration] Hiramatsu T, et al. **Jpn J Bacteriol** 30(1):123, Jan 75 **(Jpn)**

POISONING

Letter: More on salt poisoning. **J Pediatr** 89(4):684–5, Oct 76

SAMARIUM

BLOOD

Studies of electrophoretic binding of radioactive rare earths. Rosoff B, et al. **Health Phys** 28(5):611–2, May 75

METABOLISM

Studies of tumor metabolism—I: By use of Mössbauer

spectroscopy and autoradiography of 153Sm. Friedman AM, et al. **Int J Nucl Med Biol** 3(1):37–40, Jan 76

THERAPEUTIC USE

Examination on the therapeutic and preventive effect of Phlogosol solution in outpatient service. Gálos G. **Ther Hung** 22(4):180–3, 1974

SAMPLING STUDIES

see related
HEALTH SURVEYS

Berkson fallacy revisited. Spurious conclusions from patient surveys. Brown GW. **Am J Dis Child** 130(1):56–60, Jan 76

Variances of selection differentials in normal samples. Burrows PM. **Biometrics** 31(1):125–33, Mar 75

The coverage of a random sample from a biological commmunity. Engen S. **Biometrics** 31(1):201–8, Mar 75

A 'super-population viewpoint' for finite population sampling. Hartley HO, et al. **Biometrics** 31(2):411–22, Jun 75

Space–time clustering tests for more than two samples. Klauber MR. **Biometrics** 31(3):719–26, Sep 75

Proportions with extraneous variance: two dependent samples. Kleinman JC. **Biometrics** 31(3):737–43, Sep 75

Confidence intervals for the conditional probability of misallocation in discriminant analysis. McLachlan GJ. **Biometrics** 31(1):161–7, Mar 75

Efficiency of case–control studies with multiple controls per case: continuous or dichotomous data. Ury HK. **Biometrics** 31(3):643–9, Sep 75

Some sources of error and their effect on Census statistics. Bailar BA. **Demography** 13(2):273–86, May 76

Sampling theory and procedures. Schutz RW. **Exerc Sport Sci Rev** 1:365–92, 1973

Barriers to sample access in a family study. Davis AJ, et al. **J Psychiatr Nurs** 14(6):7–10, Jun 76

Nomograms for obtaining a necessary, minimum sample size. I. When distribution of data is normal. Takizawa T. **Natl Inst Anim Health Q (Tokyo)** 16(1):25–30, Spring 76

Probability sampling of manual asymmetry. Thompson AL, et al. **Neuropsychologia** 14(2):217–23, 1976

Research Q and Q. Is there an optimal sample size for research involving human subjects? Is there a rule of thumb that might be used in determining sample size? Brown RC Jr. **Nurs Res** 25(1):62, Jan–Feb 76

Sampling in physical therapy research. Daniel WW, et al. **Phys Ther** 55(12):1326–31, Dec 75

Letter: Sampling unit in statistical analysis of teratoglogical studies. Jensh RP. **Teratology** 12(1):91, Aug 75

Letter: Fetal units or litter units?—A possible solution. Tittmar HG. **Teratology** 12(1):89–90, Aug 75

Quality control in the hospital discharge survey. Harris KW, et al. **Vital Health Stat Series** 2(68):1–41, Dec 75

[Editorial: Sampling, withdrawal and other pitfalls in epidemiology] Horwitz O. **Ugeskr Laeger** 138(2):111–2, 5 Jan 76 **(Dan)**

[Health examination of 60 year-old men and women. II. Reasons for withdrawal. Population study in Glostrup] Schroll M. **Ugeskr Laeger** 138(2):118–22, 5 Jan 76 (Eng. Abstr.) **(Dan)**

METHODS

Reducing sample sizes when comparing experimental and control groups. Browne RH. **Arch Environ Health** 31(3):169–70, May–Jun 76

SAND-DOLLAR see SEA URCHINS

SANDFLIES

Study on sandflies as vectors of kala azar in Iraq. Sukkar F. **Bull Endem Dis (Baghdad)** 15(1–2):85–104, Jan 74

Studies on cutaneous leishmaniasis in Khuzestan, Iran. Part II. The status of sandflies. Javadian E, et al. **Bull Soc Pathol Exot** 68(5):467–71, Sep–Oct 75

Observations on the sandfly (phlebotomidae) fauna of Setit Humera (Northwestern Ethiopia). Gematchu T, et al. **Ethiop Med J** 13:41–51, Apr 75

Observations on the role of simuliids and culicids in the transmission of avian and anuran trypanosomes. Desser SS, et al. **Int J Parasitol** 5(5):507–9, Oct 75

Return of kala-azar. Sen Gupta PC. **J Indian Med Assoc** 65(3):89–90, 1 Aug 75

An analysis of sand fly light trap collections in the Panama Canal Zone (Diptera: Psychodidae). Rutledge LC, et al. **J Med Entomol** 12(2):179–83, 30 Jun 75

Proceedings: Demonstration of giant chromosomes in the sandfly Lutzomyia longipalpis (Lutz and Neiva, 1912). White GB, et al. **Trans R Soc Trop Med Hyg** 69(4):427–8, 1975

[Presence of Phlebotomus bergeroti, Phlebotomus chabaudi, Phlebotomus chadlii and Sergentomyia christophersi in Morocco] Rioux JA, et al. **Ann Parasitol Hum Comp** 50(4):493–506, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Transmission of cutaneous leishmaniasis in the State of São Paulo, Brazil] Forattini OP, et al. **Rev Saude Publica** 10(1):31–43, Mar 76 (Eng. Abstr.) **(Por)**

[Inversion polymorphism in natural populations of 2 species of bloodsucking flies (Diptera, Simulidae)] Petrova NA. **Genetika** 10(1):80–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Distribution of sandflies within burrows of great gerbils and methods for estimation of their prevalence] Neronov VM, et al. **Med Parazitol (Mosk)** 44(5):559–64, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Check-list of phlebotomic sandflies (Diptera: Psychodidae) of Iran] Javadian E, et al. **Bull Soc Pathol Exot** 68(2):207–9, Mar–Apr 75

The Lutzomyia flaviscutellata complex (Diptera: Psychodidae). Lewis DJ. **J Med Entomol** 12(3):363–8, 25 Sep 75

[Sandflies (Diptera, Psychodidae, Phlebotominae) of eastern Afganistan. Report 3. Genus Sergentomyia, subgenus Sintonius, Rondanomyia and Grassomyia] Artem'ev MM. **Med Parazitol (Mosk)** 45(1):35–41, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

A new method for rearing Lutzomyia trapidoi (Diptera: Psychodidae), with observations on its development and behavior in the laboratory. Chaniotis BN. **J Med Entomol** 12(2):183–8, 30 Jun 75

MICROBIOLOGY

Isolation of phlebotomus (sandfly) fever virus from sandflies and humans during the same season in Aurangabad District, Maharashtra State, India. Goverdhan MK, et al. **Indian J Med Res** 64(1):57–63, Jan 76

[Virulent properties of Leishmania tropica major strains isolated from sandflies in the subzone of the northern deserts] Ni GV, et al. **Parazitologiia** 10(4):369–73, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The penetration of three simuliid species by the nematode Reesimermis nielseni. Finney JR. **Bull WHO** 52(2):235, 1975

Lutzomyia vespertilionis (Diptera: Psychodidae): potential vector of chiropteran trypanosomes in Panama. Christensen HA, et al. **J Med Entomol** 12(4):477–8, 31 Oct 75

Observations on Lutzomyia flaviscutellata (Mangabeira) (Diptera: Psychodidae), a vector of enzootic leishmaniasis in Trinidad, West Indies. Tikasingh ES. **J Med Entomol** 12(2):228–32, 30 Jun 75

Letter: Cutaneous leishmaniasis in North Brazil: Lutzomyia anduzei as a major vector. Lainson R, et al. **Trans R Soc Trop Med Hyg** 70(2):171–2, 1976

[The use of Adler's serological method for the identification of Flagellata isolated from sandflies] Ponirovskii EN, et al. **Med Parazitol (Mosk)** 44(6):670–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Viability of sandflies (Diptera, Psychodidae, Phlebotominae) under the influence of infection with promastigotes of various species of Leishmania] Alekseev AN, et al. **Parazitologiia** 9(3):271–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

SANDFLY FEVER see PAPPATACI FEVER

SANITARY ENGINEERING

Microbial degradation of organic compounds in the biosphere. Dagley S. **Am Sci** 63(6):681–9, Nov–Dec 75

Screening test for assessment of ultimate biodegradability: linear alkylbenzene sulfonates. Gledhill WE. **Appl Microbiol** 30(6):922–9, Dec 75

Interaction between polymeric materials and tissue — biodeterioration of polymeric materials. Kojima K. **Bull Tokyo Med Dent Univ** 22(4):263–72, Dec 75

Inhibitory effect of D-penicillamine on degradation of hexosamine-containing substances in the involution of carrageenin granuloma induced by calcium chelate ethylenediaminetetraacetate. Otsuka K, et al. **Chem Pharm Bull (Tokyo)** 24(2):215–9, Feb 76

The effects and removal of heavy metals in biological treatment. pp. 277–92. Adams CE Jr, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.** (25 ref.)

The effects and removal of heavy metals in biological treatment (C. Adams et al.). Discussion. pp. 293–7. Barth EF. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

The feasibility of restoring mercury-contaminated waters. pp. 299–309. Jernelöv A, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

Physical-chemical methods of heavy metals removal. pp. 261–72. Patterson JW, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.** (47 ref.)

Physical-chemical methods of heavy metals removal (J.W. Patterson and R.A. Minear). Discussion. pp. 273–6. Weeks JD. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

The feasibility of restoring mercury-contaminated waters (A. Jernelöv and B. Aséll). Discussion. pp. 311–4. Ziegler FG, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

[Congress of the French Society of Hygiene, Public Health and Sanitary Engineering (Paris, October 16–17, 1975)] Hougardy A. **Arch Belg Med Soc** 33(9–10):525–41, Nov–Dec 75 **(Fre)**

[The health engineer and his duties within the modern team of health administration (author's transl)] Ravens HW. **Oeff Gesundheitswes** 37(9):519–24, Sep 75 (Eng. Abstr.) **(Ger)**

[Biodegradation of various chemical substances] Koike K, et al. **Jpn J Bacteriol** 30(3):468–71, May 75 **(Jpn)**

[Risk of infection from mold fungi in the operation of biological waste purification installations] Bobrov OG. **Gig Sanit** (6):93–4, Jun 76 **(Rus)**

[Enzymatic activity of the sludge as an index of the degree of intensity of the sewage purification process] Doliagin AB, et al. **Gig Sanit** (2):109–10, Feb 75 **(Rus)**

[Organizational experience with sanitary control over the planning and building of Donetsk] Grin' NV, et al. **Gig Sanit** (2):98–9, Feb 75 **(Rus)**

[Synthetic surface-active substances in municipal discharges and the effectiveness of purifying them at a biological station] Kostovetskiĭ IaI, et al. **Gig Sanit** (2):95–6, Feb 75 **(Rus)**

[Biocenotic dynamics of liquid sewage in the process of its biological purification at aeration stations] Kalina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):133–7, Aug 75 (Eng. Abstr.) **(Rus)**

HISTORY

Water and the growth of the nation. Rowland WG Jr, et al. **J Water Pollut Control Fed** 48(7):1682–9, Jul 76

INSTRUMENTATION

[Risk of infection from mold fungi in the operation of biological waste purification installations] Bobrov OG. **Gig Sanit** (6):93–4, Jun 76 **(Rus)**

[Barrier role of water supply structures] Zarubin GP, et al. **Gig Sanit** (4):72–9, Apr 76 **(Rus)**

METHODS

Ultraviolet irradiation: a possible technique for reducing cell yield (sludge) in wast treatment systems. Nix PG, et al. **Biotechnol Bioeng** 18(2):281–4, Feb 76

Deep well injection of liquid waste. pp. 417–36. Mokha JS. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Working towards a village technology: recycling waste. Frankel S. **Papua New Guinea Med J** 18(1):21–31, Mar 75

Wastewater renovation and reuse: virus removal by soil filtration. Gilbert RG, et al. **Science** 192(4243):1004–5, 4 Jun 76

[Hygienic differentiation of technical processes in handling liquid drug. 2. Examination of the Electro-M process using laboratory standards] Schwab H, et al. **Berl Munch Tieraerztl Wochenschr** 88(8):148–51, 15 Apr 75 (Eng. Abstr.) **(Ger)**

[The rotating aeration method (System Fuchs) for the treatment of liquid animal and municipal wastes. 1. Epidemiological, environmental hygienic, and technical considerations regarding the use of rotating aeration] Strauch D, et al. **Berl Munch Tieraerztl Wochenschr** 88(23):456–60, 1 Dec 75 (Eng. Abstr.) **(Ger)**

[Sanitary helminthological evaluation of a method of composting mechanically dehydrated sewage sludge] Chilikin MM. **Gig Sanit** (2):96–8, Feb 75 **(Rus)**

STANDARDS

[Hygienic evaluation of the existing technology for purifying the drinking water and some ways to improve it] Nikolaeva TA, et al. **Gig Sanit** (7):29–33, Jul 75 (Eng. Abstr.) **(Rus)**

SANITATION

Enviromental sanitation in urban and rural areas: its importance in the control of enteric infections. Wolman A. **Bull Pan Am Health Organ** 9(2):157–9, 1975

Sanitary effects of urban garbage and night soil composting. **Chin Med J [Engl]** 1(6):407–12, Nov 75

Integrated control of urban mosquitoes in Dar es Salaam using community sanitation supplemented by larviciding. Bang YH, et al. **East Afr Med J** 52(10):578–88, Oct 75

Some aspects of environmental sanitation. pp. 105–19. Mendia L. **In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.**

National Water Supply and Sanitation Programme with special reference to cholera endemic areas. Rao SS. **Indian J Public Health** 19(1):44–9, Jan–Mar 75

Two methods for instructing personnel about foodservice sanitation. Rinke WJ, et al. **J Am Diet Assoc** 67(4):364–7, Oct 75

A field survey on home environmental sanitation in two districts of Kaohsiung city, Taiwan. Chang TT, et al. **J Formosan Med Assoc** 74(4):302–9, Apr 75

Human investment in environmental sanitation programmes. **WHO Chron** 30(1):26–7, Jan 76
[Feral domestic pigeons as a hygienic problem in big cities—the situation in Magdeburg] Schuschke G, et al. **Z Gesamte Hyg** 22(1):30–4, Jan 76 (Eng. Abstr.) **(Ger)**
[Sanitary assessment of the regimen of running, purification and decontamination of water in swimming-pools] Balashov VN. **Gig Sanit** (10):93–5, Oct 75 **(Rus)**
[Experience in the use of local press for improving the sanitary education of a town] Faktorovich ML. **Gig Sanit** (6):88–90, Jun 75 **(Rus)**
[Hygienic characteristics of the processes of waste water purification at flax-processing enterprises] Golubev VF. **Gig Sanit** (7):109–10, Jul 75 **(Rus)**
[Study of sanitary problems connected with the change of the river flow] Gurvich LS, et al. **Gig Sanit** (12):62–5, Dec 75 **(Rus)**
[A method of determining in a living animal the dynamics of tracer glucose oxidation in a sanitary-toxicologic experiment] Iarasova OI, et al. **Gig Sanit** (10):65–8, Oct 75 **(Rus)**
[The problems of creating an automatized monitoring system of direction of the sanitary-epidemiologic service of the Republic] Kardash IB. **Gig Sanit** (6):34–7, Jun 75 **(Rus)**
[Use of punch cards for collection and analysis of data on sanitary-epidemiologic state of country settlements] Kolodkin VV, et al. **Gig Sanit** (6):40–1, Jun 75 **(Rus)**
[New sanitary problems connected with wide use of chemicals in agriculture] Kunbiev IuI, et al. **Gig Sanit** (10):6–10, Oct 75 **(Rus)**
[Problems of administration and functions of the organs and establishments of the sanitary-epidemiological service] Luchina KI, et al. **Gig Sanit** (10):48–52, Oct 75 **(Rus)**
[Some problems of sanitary microbiology] Mirzoev GG. **Gig Sanit** (8):107–9, Aug 75 **(Rus)**
[Escherichia coli as a sanitary index microorganism] Mirzoev GG. **Gig Sanit** (1):86–8, Jan 76 **(Rus)**
[Apropos of establishing sanitary protection zones for the surface sources of a centralized water supply] Rusnak BS. **Gig Sanit** (1):84–6, Jan 76 **(Rus)**
[The problem of sanitary-bacteriologic features of milk and sourmilk products] Ryndich AA, et al. **Gig Sanit** (10):102–4, Oct 75 **(Rus)**
[Teaching preventive sanitary inspection in the sanitary-hygiene department] Shevchenko AM, et al. **Gig Sanit** (5):71–2, May 76 **(Rus)**
[The socialist competition as an important form of raising the level of the sanitary epidemiological service for the population] Shipinev VF, et al. **Gig Sanit** (10):53–5, Oct 75 **(Rus)**
[The problem of sanitary-bacteriological control of the environmental objects] Zarubin GL, et al. **Gig Sanit** (10):96–7, Oct 75 **(Rus)**
[Development of industrial sanitary inspection and the prevention of occupational morbidity in the Belorussian SSR] Vilisov BA, et al. **Gig Tr Prof Zabol** (4):49–50, Apr 76 **(Rus)**
[Effect of the Voronezh water reservoir on the fauna and ecology of blood-sucking mosquitoes, midges and blackflies] Degtiareva KT, et al. **Med Parazitol (Mosk)** 44(5):554–9, Sep-Oct 75 (Eng. Abstr.) **(Rus)**
[Ways to improve the work of the sanitary and epidemiological service of Voronezh Province at its present-day stage] Kamenskiĭ VA. **Sov Zdravookhr** (12):29–31, 1975 (Eng. Abstr.) **(Rus)**
[Sanitation in a breeding enterprise (a new film)] Beskhlebnov IuA. **Veterinariia** (1):38–9, Jan 76 **(Rus)**
[Sanitation of poultry butchershops] Bocharov DA. **Veterinariia** (6):30–2, Jun 76 **(Rus)**

HISTORY

John Shaw Billings and the plan for a sanitary survey of the United States. Rosen G. **Am J Public Health** 66(5):492–5, May 76
Sanitary reform and the preventive specialist in Victorian Britain. Gelfand M. **Cent Afr J Med** 22(1):11–5, Jan 76
Sanitary awakening in America. Bloch H. **J Med Soc NJ** 73(5):435–7, May 76
Public health in New York City in the revolutionary period. Duffy J. **JAMA** 236(1):47–51, 5 Jul 76
[Hygiene in the past] Perényi L. **Orv Hetil** 116(50):2955–8, 14 Dec 75 **(Hun)**
[Pharmaceutical and sanitary supplies and facilities in the concentration camps of Oświęcim-Brzezinka in 1940–1945] Sikorski J. **Arch Hist Med (Warsz)** 38(3–4):283–98, 1975 **(Pol)**
[The medico-sanitary service of industrial workers at the time of World War II, 1941–1945] Beilikhis GA. **Gig Sanit** (5):31–5, May 75 **(Rus)**
[On the history of Russian and Soviet sanitary microbiology] Rusavskaia TL. **Gig Sanit** (7):53–6, Jul 75 **(Rus)**

METHODS

[Thin-layer and paper chromatography in industrial sanitary chemistry] Ul'ianova AN, et al. **Gig Sanit** (3):74–9, Mar 76 (42 ref.) **(Rus)**
[Methodological work bases for health protection of the territory of the USSR] Gol'd ElIu, et al. **Sov Zdravookhr** (7):8–12, 1975 **(Rus)**
[Veterinary and sanitary measures and the prevention of poultry diseases] Chasovskiĭ VF, et al. **Veterinariia** (4):26–8, Apr 75 **(Rus)**
[Sanitary protection from animal husbandry objects] Volkov GK, et al. **Veterinariia** (4):24–6, Apr 75 **(Rus)**

STANDARDS

Letter: Sanitary conditions in prison. Tylden E. **Lancet** 2(7977):151–2, 17 Jul 76
[New developments in the organization of state sanitary supervision of institutions for children and adolescents] Stan VV. **Gig Sanit** (3):56–9, Mar 76 **(Rus)**

SANSERT see **METHYSERGIDE**

SANTONIN

DIAGNOSTIC USE

[Study of the detoxifying oxidative function of the liver by the santonin test] Balynina ES. **Gig Tr Prof Zabol** (4):55–6, Apr 76 **(Rus)**

SAO PAULO TYPHUS see under **ROCKY MOUNTAIN SPOTTED FEVER**

SAPHENOUS VEIN

Sodium nitroprusside as a coronary vasodilator in man: a comparison of the effects of sodium nitroprusside and papaverine hydrochloride on aortocoronary saphenous vein graft flow. Larsen PB, et al. **Ann Thorac Surg** 21(1):16–8, Jan 76
Improvement in forward coronary blood flow by using a reversed saphenous vein with a competent valve. Phillips SJ, et al. **Ann Thorac Surg** 21(1):12–5, Jan 76
Radionuclide venography: significance of delayed washout; visualization of the saphenous system. Ryo UY, et al. **J Nucl Med** 17(7):590–5, Jul 76
Coronary artery bypass with freeze-preserved saphenous vein allografts. Tice DA, et al. **J Thorac Cardiovasc Surg** 71(3):378–82, Mar 76
Chronic haemodialysis using saphenous vein fistulae. Clarke AG, et al. **Nephron** 15(6):430–7, 1975
Intra-operative haemodynamic findings and their prognostic significance in femoropopliteal reversed saphenous vein graft bypass operations. Albrechtsen D. **Scand J Thorac Cardiovasc Surg** 10(1):67–76, 1976
[Varicose calcification of the internal saphenous vein] Hutinel B. **Phlebologie** 28(4):569–70, Oct-Dec 75 **(Fre)**
[Sclerosing therapy applied to 300 cases of essential varices of the internal saphenous vein and results] Scipioni G, et al. **Phlebologie** 28(3–4):505–7, Jul-Sep 75 **(Fre)**
[Law of laminar flow and law of turbulence: application to sclerosing therapy of the varicose internal saphenous vein] Scipioni G, et al. **Phlebologie** 28(3–4):501–4, Jul-Sep 75 **(Fre)**
[Late diagnosis of thrombosis of the pelvic, femoral or calf veins (author's transl)] Kreissmann A, et al. **Med Klin** 70(35):1384–6, 29 Aug 75 **(Ger)**
[Pathophysiological and anatomical prerequisites of hemodynamic disorders in the system of small saphenous vein] Borovkov SA, et al. **Vestn Khir** 116(4):66–72, Apr 76 (Eng. Abstr.) **(Rus)**
[Differential-diagnostic symptoms of femoral hernia and isolated varicose enlargment of the great saphenous vein of the lower extremity] Krokhalev AA. **Vestn Khir** 114(4):120–2, Apr 75 **(Rus)**

ANALYSIS

[Studies on investigation of primary pathologic deterioration of the lower limbs. The contents of calcium, magnesium, sodium and potassium in the walls of veins (author's transl)] Iffland R. **Z Rechtsmed** 78(1):47–55, 30 Jun 76 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The structural study of the saphenous vein. Cheanvechai C, et al. **Ann Thorac Surg** 20(6):636–45, Dec 75
[Anatomical study of the arch of the internal saphenous vein (saphena magna) in man] Capuano G, et al. **Bull Assoc Anat (Nancy)** 59(167):807–17, Dec 75 (Eng. Abstr.) **(Fre)**
[The presence and the behavior of the median and lateral accessory saphenous veins. Anatomo-surgical study] Vitiello FS. **Minerva Cardioangiol** 23(10):642–7, Oct 75 (Eng. Abstr.) **(Ita)**
[Anatomy applied in surgery of the saphenous vein] Camporini S, et al. **Rev Assoc Med Bras** 21(12):381–3, Dec 75 (Eng. Abstr.) **(Por)**
[Surgical anatomy of the initial portion of the small subcutaneous vein and the method of phlebectomy] Bulgakov PP. **Vestn Khir** 114(9):52–6, Sep 75 **(Rus)**

DRUG EFFECTS

Inhibition by acetylcholine of the norepinephrine release evoked by potassium in canine saphenous veins. Vanhoutee PM, et al. **Circ Res** 39(2):263–9, Aug 76
Effects of amide-linked local anesthetics on adrenergic neuroeffector junction in cutaneous veins of dog. Muldoon SM, et al. **J Pharmacol Exp Ther** 196(3):723–36, Mar 76
Participation of catecholamine in the digitoxigenin-induced contraction of isolated dog veins. Tsuru H, et al. **Jpn J Pharmacol** (1):120–2, Feb 76

INNERVATION

Vasomotor nerve control of isolated arteries and veins. Ljung B, et al. **Acta Physiol Scand** 94(4):506–16, Aug 75
Hyperosmolarity: effects on nerves and smooth muscle of cutaneous veins. McGrath MA, et al. **Am J Physiol** 231(1):141–7, Jul 76
Effects of amide-linked local anesthetics on adrenergic neuroeffector junction in cutaneous veins of dog. Muldoon SM, et al. **J Pharmacol Exp Ther** 196(3):723–36, Mar 76

METABOLISM

Inhibition by acetylcholine of 3H-norepinephrine release in cutaneous veins after alpha-adrenergic blockade. Vanhoutte PM, et al. **Arch Int Pharmacodyn Ther** 221(2):344–6, Jun 76
[Lipid synthesis and up-take in perfused human coronary arteries and saphenous veins] Tillmanns H, et al. **Verh Dtsch Ges Kreislaufforsch** 41:285–9, 1975 **(Ger)**

PATHOLOGY

Pathological changes in surgically removed aortocoronary vein grafts. Barboriak JJ, et al. **Ann Thorac Surg** 21(6):524–7, Jun 76
Leiomyosarcoma of the saphenous vein. Gross E, et al. **J Pathol** 116(1):37–41, May 75
[Studies on the endothelium of arterialized veins. I. The effect of 'atraumatic preparation'] Gottlob R, et al. **Vasa** 4(3):243–9, 1975 **(Ger)**
[Studies on investigation of primary pathologic deterioration of the lower limbs. Calcific deposits in the veins (author's transl)] Heinen M, et al. **Z Rechtsmed** 78(1):31–45, 30 Jun 76 (Eng. Abstr.) **(Ger)**
[Studies on the uppermost venous valves of the vena saphena magna in varices] Gottlob R, et al. **Zentralbl Chir** 100(21):1306–15, 1975 **(Ger)**

PHYSIOLOGY

Hyperosmolarity: effects on nerves and smooth muscle of cutaneous veins. McGrath MA, et al. **Am J Physiol** 231(1):141–7, Jul 76
Changes in flow and pressure due to rotation of a saphenous vein segment. Gordon A, et al. **Cardiovasc Res** 9(4):538–40, Jul 75
Proceedings: The effect of straining of the venous pressure of the long saphenous vein in different positions. Ahmed NE, et al. **West Afr J Pharmacol Drug Res** 2(1):101P, Dec 74

PHYSIOPATHOLOGY

Effects of anoxia and glucose depletion on isolated veins of the dog. Vanhoutte PM. **Am J Physiol** 230(5):1261–8, May 76

RADIOGRAPHY

The value of preoperative saphenous venography for graft evaluation in femoral arterial occlusive disease. Tabrisky J, et al. **J Can Assoc Radiol** 27(1):37–44, Mar 76
A method of ward phlebography. Macintyre IM, et al. **J R Coll Surg Edinb** 21(1):40–2, Jan 76
[The demonstration of the great saphenous vein (author's transl)] Haage H. **God Zb Med Fak Skopje** 124(5):480–2, May 76 (Eng. Abstr.) **(Ger)**

SURGERY

A technique for re-exploration of the saphenofemoral junction for recurrent varicose veins. Li AK. **Br J Surg** 62(9):745–6, Sep 75
Alternative means of access to circulation for chronic haemodialysis. Gordon EM. **Br Med J** 3(5979):358–9, 9 Aug 75
Sclerostripping—a 'new' procedure for the treatment of varicose veins. Conrad P. **Med J Aust** 2(2):42–4, 12 Jul 75
Proximal or distal extraction of the internal saphenous vein? Jacobsen BH, et al. **Vasa** 4(3):240–2, 1975
[Arteriosclerotic occlusion of the superficial femoral artery treated with a great saphenous vein in situ graft] Nissen HM, et al. **Ugeskr Laeger** 138(12):742–5, 15 Mar 76 (Eng. Abstr.) **(Dan)**
[Orthotopic saphena bypass in situ (author's transl)] Nedjabat T, et al. **Munch Med Wochenschr** 118(15):461–4, 9 Apr 76 (Eng. Abstr.) **(Ger)**
[Surgical treatment of priapism using an anastomosis between the great saphenous vein and the end of the corpus cavernosum of the penis] Jeromin L, et al. **Z Urol Nephrol** 68(2):121–3, Feb 75 **(Ger)**
[Aorto-coronary bypass with the large saphenous vein] Hübner R, et al. **Zentralbl Chir** 100(12):723–5, 1975 **(Ger)**
[Treatment of severe lymphedema of the extremities by venous-lymphatic anastomosis] Cossu G, et al. **Atti Accad Med Lomb** 27(1–4):55–60, 1972 **(Ita)**
[Reconstruction of the femoral artery with an autologous vein by-pass] Ghiringhelli C, et al. **Atti Accad Med Lomb** 27(1–4):3–8, 1972 **(Ita)**
[Deep external arteriovenous shunt between the superficial femoral artery and saphenous vein] Vegeto A, et al. **Minerva Nefrol** 19(4):289–90, Jul-Aug 72 **(Ita)**
[Anastomosis between saphenous and popliteal veins with arteriovenous shunt] Fokin AA, et al. **Vestn Khir** 116(5):111–2, May 76 **(Rus)**

TRANSPLANTATION

Follow-up of patients with saphenous vein bypass grafts for angina pectoris. Pate JW, et al. **Am Surg** 42(6):381–5, Jun 76

The prognostic factors of arterialized bypass veins in the lower extremities. Hall KV, et al. **Ann Chir Gynaecol** 65(2):93–5, 1976

Preserved allografts of dilated saphenous vein for vascular access in hemodialysis: an initial experience. Piccone VA Jr, et al. **Ann Surg** 182(6):727–32, Dec 75

Reduction of early occlusions in the high risk peripheral saphenous vein graft. Robinson HB, et al. **Ann Surg** 18(2):229–35, Aug 76

The lesser saphenous vein. An alternative graft for coronary revascularization. Crosby IK, et al. **Ann Thorac Surg** 20(6):703–5, Dec 75

Comparative hemodynamic properties of vein and mammary artery in coronary bypass operations. Flemma RJ, et al. **Ann Thorac Surg** 20(6):619–27, Dec 75

Coronary artery grafting with the saphenous vein or internal mammary artery. Comparison of late results in two consecutive series of patients. Grondin CM, et al. **Ann Thorac Surg** 20(6):605–18, Dec 75

Aortocoronary saphenous vein autograft accidentally attached to a coronary vein: follow-up angiography and surgical correction of the resultant arteriovenous fistula. Lawrie GM, et al. **Ann Thorac Surg** 22(1):87–90, Jul 76

Proceedings: Evaluation of early and long-term functions of aortocoronary saphenous vein grafts. Yacoub M, et al. **Br Heart J** 38(5):532–3, May 76

Bypass grafting to the anterior tibial artery. Armour RH. **Br J Surg** 63(1):77–80, Jan 76

Optimal length of a saphenous vein segment when used as an arterial substitute. Gordon A, et al. **Cardiovasc Res** 9(4):541–3, Jul 75

Spontaneous graft closure in anomalous origin of the left coronary artery. Anthony CL Jr, et al. **Chest** 68(4):586–8, Oct 75

Left ventricular function and adrenergic hyperactivity before and after saphenous vein bypass. Boudoulas H, et al. **Circulation** 53(5):802–6, May 76

Postoperative changes in aortocoronary saphenous vein grafts revisited: angiographic studies at two weeks and at one year in two series of consecutive patients. Campeau L, et al. **Circulation** 52(3):369–77, Sep 75

Aneurysms of venous bypass grafts in the lower extremities. De Weese JA. **J Cardiovasc Surg (Torino)** Spec No:271–3, 1973

Influence of the type of anastomosis: end-to-side anastomosis versus end-to-end. Tibbs DJ. **J Cardiovasc Surg (Torino)** 16(4):401–3, Jul–Aug 75

Definitive surgical treatment of anomalous origin of left coronary artery. A new technical approach used successfully in a seven-month-old male infant. Matsumoto A, et al. **J Thorac Cardiovasc Surg** 72(2):249–55, AUG 76

Valvulotomy of valves in the saphenous vein graft before coronary artery bypass. Mills NL, et al. **J Thorac Cardiovasc Surg** 71(6):878–9, Jun 76

Tension on coronary bypass conduits. A neglected cause of real or potential obstruction of saphenous vein grafts. Spray TL, et al. **J Thorac Cardiovasc Surg** 72(2):282–7, AUG 76

Physiological differences between vein and mammary artery as a coronary bypass. Frazier BL, et al. **Rev Surg** 32(5):375–7, Sep–Oct 75

Femoral tibial bypass grafts. Harrington OB, et al. **South Med J** 69(4):393–5, Apr 76

The transcutaneous measurement of the elastic properties of the human saphenous vein femoropopliteal bypass graft. Lye CR, et al. **Surg Gynecol Obstet** 141(6):891–5, Dec 75

Iatrogenic entrapment of femoropopliteal saphenous vein bypass grafts by the gastrocnemius muscle. Brener BJ, et al. **Surgery** 78(5):668–74, Nov 75

Autologus saphenous vein femoropopliteal bypass: analysis of 298 cases. Cutler BS, et al. **Surgery** 79(3):325–31, Mar 76

Reversed saphenous vein with proximal attachment of free radial artery segments – a new approach to coronary revascularization. Piccone VA, et al. **Vasc Surg** 10(1):8–12, Jan–Feb 76

[Resection of the obliterated part of the femoral artery and its replacement by interposed vein] Rozhold Z, et al. **Rozhl Chir** 55(1):38–41, Jan 76 (Eng. Abstr.) **(Cze)**

[Ischemic gastric ulcer on a stomach transposed into the thorax. Treatment by aorticohepatic venous transplant] Hivet M, et al. **Sem Hop Paris** 51(45):2719–22, 16 Nov 75 **(Fre)**

[Venous frames for the preparation of venous grafts with adequate lumen] Thorén L. **Chirurg** 47(5):301–2, May 76 **(Ger)**

[Venous wall graft in Peyronie's disease (author's transl)] Sachse H. **Urologe [A]** 15(3):131–2, May 76 (Eng. Abstr.) **(Ger)**

[Treatment of arterial injuries by venous graft] István R, et al. **Orv Hetil** 117(32):1947–9, 8 Aug 76 **(Hun)**

[Precocious thrombotic obstruction of the aortocoronary bypass using the saphenous vein (anatomo-pathological study)] Thiene G, et al. **Arch Chir Torac Cardiovasc** 32(3–4):215–26, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Surgery of the coronary arteries. Direct myocardial revascularization with aorto-coronary bypass by means of autologous saphenous vein] Chidichimo G, et al. **Boll Soc Ital Cardiol** 18(11):1043–6, 1973 (Eng. Abstr.) **(Ita)**

[End-to-end venous graft in cases of femoro-popliteal obstruction] Pietri P, et al. **Minerva Chir** 30(5):266–70, 15 Mar 75 (Eng. Abstr.) **(Ita)**

[A case report of aorto-carotid bypass with use of saphenous vein in advanced stage of aortitis syndrome (author's transl)] Ono K, et al. **Respir Circ (Tokyo)** 23(11):1015–9, Nov 75 (Eng. Abstr.) **(Jpn)**

[Effect of anatomical changes in the coronary arteries on the occlusion of anastomosis with autologous saphenous vein] de Oliveira SA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31 Spec No:239–44, 1976 (Eng. Abstr.) **(Por)**

[Influence of regional and global constratility of the left ventricle in the oclussions of coronary anastomosis with autologous saphenous vein] de Oliveira SA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31 Spec No:245–50, 1976 (Eng. Abstr.) **(Por)**

[Incidence of oclussions of saphenous vein bypasses in patients operated during the chronic and acute phases of coronary insufficiency] de Oliveira SA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31 Spec No:251–6, 1976 (Eng. Abstr.) **(Por)**

[Great saphenous vein as an arterial substitute] Purinia BA, et al. **Eksp Khir Anesteziol** (5):11–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Method of autovenous aorto-coronary shunt] Burakovskii VI, et al. **Grudn Khir** (4):3–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Morphological rearrangement of venous autotransplant in experimental aorto-coronary shunt] Tal'ko VI. **Klin Khir** (7):8–12, Jun 75 (Eng. Abstr.) **(Rus)**

[Arteriosclerosis obliterans: surgical treatment by means of vascular prosthesis and autologous vein grafts] Garrido J, et al. **Angiologia** 28(3):138–41, May–Jun 76 **(Spa)**

[Prinzmetal's angina resistant to medical therapy, treated using an aortocoronary by-pass using the saphenous vein] Sarnago Bullón F, et al. **Rev Esp Cardiol** 28(6):597–600, 1975 **(Spa)**

ULTRASTRUCTURE

Scanning electron microscope study of human veins and aorta–coronary artery vein grafts. Barboriak JJ, et al. **J Thorac Cardiovasc Surg** 71(5):673–9, May 76

SAPONINS

ADMINISTRATION & DOSAGE

[Toxicological studies on the administration by intravenous route of an escin–cyclonamine combination] Bamonte F, et al. **Boll Chim Farm** 115(3):272–84, Mar 76 (Eng. Abstr.) **(Ita)**

[Hemodynamic action of a drug combination on the venous circulation] Bartolo M, et al. **Clin Ter** 73(2):139–46, 30 Apr 75 **(Ita)**

ADVERSE EFFECTS

[Renal function under parenteral application of aescinat (author's transl)] Bastian HP, et al. **Med Klin** 71(32–33):1295–9, 6 Aug 76 (Eng. Abstr.) **(Ger)**

[The post-traumatic renal failure in 2 children following therapy with beta-escin] Klose P, et al. **Munch Med Wochenschr** 118(22):719–20, 28 May 76 **(Ger)**

[Drug induced acute renal failure after heart surgery (author's transl)] Hellberg K, et al. **Thoraxchirurgie** 23(4):396–9, Aug 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Studies on the constituents of Himalayan ginseng, Panax pseudoginseng. II. The structures of the saponins (2). Kondo K, et al. **Chem Pharm Bull (Tokyo)** 23(12):3282–5, Dec 75

Quantification of a saponin steroid from the starfish Asterias vulgaris. Gilgan MW, et al. **Comp Biochem Physiol [B]** 54(4):561–3, 1976

A survey of the plants of Orissa (India) for tannins, saponins, flavonoids and alkaloids. Saxena HO. **Lloydia** 38(4):346–51, Jul–Aug 75

A colorimetric estimation of Ginseng saponins. Hiai S, et al. **Planta Med** 28(4):363–9, Dec 75

Color reaction of some sapogenins and saponins with vanillin and sulfuric acid. Hiai S, et al. **Planta Med** 29(2):116–22, Mar 76

A simultaneous colorimetric estimation of biologically active and inactive saikosaponins in Bupleurum falcatum extracts. Hiai S, et al. **Planta Med** 29(3):247–57, May 76

[The saponins of Colubrina arborescens Mill: isolation of colubrinoside and establishment of the structure of the side chain] Colard JM, et al. **J Pharm Belg** 31(2):199–214, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Structure of a saponin of Polygala chinensis (author's transl)] Brieskorn CH, et al. **Arch Pharm (Weinheim)** 308(11):824–32, Nov 75 (Eng. Abstr.) **(Ger)**

[The structure of glycosidues from Viscaria viscosa] Bucharov WG, et al. **Pharmazie** 30(6):394–5, Jun 75 **(Ger)**

[The steroid-alkaloid and sapogenin content of Solanum torvum] Döpke W, et al. **Pharmazie** 29(11):755, 1975 **(Ger)**

[The alkaloid and steroid sapogenin content of Solanum globiferum] Döpke W, et al. **Pharmazie** 31(2):133–4, 1976 **(Ger)**

[Eryngiumgenin E--a new ester sapogenin. 23. The contents of some Saniculoideae] Hiller K, et al. **Pharmazie** 30(5):336, May 75 **(Ger)**

[The saponins in the leaves of Agave americana L.] Kintja PK, et al. **Pharmazie** 30(6):396–7, Jun 75 **(Ger)**

[Quantitative analysis of dammarane type saponins of ginseng and its application to the evaluation of the commercial Ginseng tea and Ginseng extract (author's transl)] Sakamoto I, et al. **J Pharm Soc Jpn** 95(12):1456–61, Dec 75 (Eng. Abstr.) **(Jpn)**

[Determination of the steroid saponins in the onion (Allium albiflorus) that grows in Azerbaijan] Ismailov AI, et al. **Farmatsiia** 25(2):17–20, 1976 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Studies on the saponins of the root of Platycodon grandiflorum A. De Candolle. I. Isolation and the structure of platycodin-D. Tada A, et al. **Chem Pharm Bull (Tokyo)** 23(11):2965–72, Nov 75

Saponins isolated from Bupleurum falcatum L.; components of saikosaponin b. Shimaoka A, et al. **J Chem Soc [Perkin I]** (20):2043–8, 1975

Thin-layer chromatographic separation of steroid glycosides from Agava americana L. Wilkomirski B, et al. **J Chromatogr** 116(2):482–4, 21 Jan 76

[Saponins of Eryngium maritimum L. 25. Contents of various saniculoideae] Hiller K, et al. **Pharmazie** 31(1):53, 1976 **(Ger)**

[On the structures of hydrocotylegenins C and F] Keipert M, et al. **Pharmazie** 30(9):619, Sep 75 **(Ger)**

[Bayogenin -- a sapogenin in Solidago canadensis L. 2. The saponins of the species Solidago] Murach M, et al. **Pharmazie** 30(9):619–20, Sep 75 **(Ger)**

[Saponins from Primula officinalis and P. elatior (author's transl)] Grecu L, et al. **Planta Med** 27(3):247–53, May 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Structure and actions of saikosaponins isolated from Bupleurum falcatum L. I. Anti-inflammatory action of saikosaponins. Yamamoto M, et al. **Arzneim Forsch** 25(7):1021–3, Jul 75

Structure and action of saikosaponins isolated from Bupleurum falcatum L. II. Metabolic actions of saikosaponins, especially a plasma cholesterol-lowering action. Yamamoto M, et al. **Arzneim Forsch** 25(8):1240–3, Aug 75

Effect of ginseng saponins on cholesterol metabolism. I. The level and the synthesis of serum and liver cholesterol in rats treated with ginsenosides. Sakakibara K, et al. **Chem Pharm Bull (Tokyo)** 23(5):1009–16, May 75

The effects of holothurin A on the resting membrane potential and conductance of squid axon. de Groof RC, et al. **Eur J Pharmacol** 36(2):337–46, Apr 76

Studies on the biochemical action of ginseng saponin. I. Purification from ginseng extract of the active component stimulating serum protein biosynthesis. Oura H, et al. **J Biochem (Tokyo)** 77(5):1057–65, May 75

Cellular responsiveness to stimulation in vitro: increased responsiveness to colony stimulating factor of bone marrow colony-forming cells treated with surface-active agents and cyclic 3'5' AMP. Fleming WA, et al. **J Cell Physiol** 88(3):323–9, July 76

Effect of alfalfa saponins on the growth and some aspects of lipid metabolism of mice and quails. Reshef G, et al. **J Sci Food Agric** 27(1):63–72, Jan 76

Effect of gymnemic acid on single taste hairs of the housefly, Musca domestica. Kennedy LM, et al. **Physiol Behav** 14(6):755–65, Jun 75

Some properties of the surface of formalin-inactivated Semliki Forest virus after treatment with tween 80-tri (n-butyl) phosphate or saponin. Mussgay M, et al. **Zentralbl Veterinaermed [B]** 23(5–6):447–57, Jun 76

[On the pharmacodynamics of alpha- and beta-escin after oral application (author's transl)] Eisenburger R, et al. **Arzneim Forsch** 26(5):821–4, 1976 (Eng. Abstr.) **(Ger)**

[The anticandida action of the saponine from Primula (author's transl)] Margineanu C, et al. **Planta Med** 30(1):35–8, Aug 76 (Eng. Abstr.) **(Ger)**

[Effect on the capillary permeability of an escin–cyclonamine association] De Pascale V, et al. **Boll Chim Farm** 113(11):600–14, Nov 74 (Eng. Abstr.) **(Ita)**

[Effect on the capillary resistance, time of hemorrhage and coagulation of an escin–cyclonamine association] De Pascale V, et al. **Boll Chim Farm** 113(12):660–73, Dec 74 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Prolonged survival of AKR mice treated with the saponin adjuvant Quil A. Ebbesen P, et al. **Acta Pathol Microbiol Scand [A]** 84(4):358–60, Jul 76

Drug-induced proteolysis: a correlation with oedema-reducing ability. Piller NB. **Br J Exp Pathol** 57(3):266–73, Jun 76

[Studies on the penetrability of skin (author's transl)] Przerwa M, et al. **Arzneim Forsch** 25(7):1048–53, Jul 75 (Eng. Abstr.) **(Ger)**

[New findings on the efficacy and mode of action of the horse chestnut saponin escin] Rothkopf M, et al. **Arzneim Forsch** 26(2):225–35, Feb 76 (Eng. Abstr.) **(Ger)**

[Venous diseases. Controlled study using an antivaricose

preparation Bayro-Vas] Wolf W, et al. **Med Welt** 26(17):831–4, 25 Apr 75 **(Ger)**

[The treatment of cerebrovascular insufficiency. Their evaluation in a double-blind study] Feine-Haake G, et al. **Munch Med Wochenschr** 117(26):1131–2, 27 Jun 75 **(Ger)**

[Topical treatment of edema and hematoma in the surgical practice] Isbary JW. **Z Allgemeinmed** 51(14):684–6, 20 May 75 **(Ger)**

[Gynecological use of a phlebokinetic drug with special reference to its combination with oral contraceptives] Cazzola D. **Clin Ter** 74(6):559–78, 30 Sep 75 **(Ita)**

[Biological active principles of the crude drugs. II. Antiulcerogenic and anti-inflammatory actions of the crude drugs containing saponin (author's transl)] Yamahara J, et al. **J Pharm Soc Jpn** 95(10):1179–82, Oct 75 (Eng. Abstr.) **(Jpn)**

SARCINA

ANALYSIS

New isoprenologs of vitamin K2 series in Sarcina lutea. Dialameh GH. **Int J Vitam Nutr Res** 46(1):105–9, 1976

[Inactivation of antifungal agents by cellular components of Sarcina lutea] Kuroda M, et al. **Jpn J Bacteriol** 30(1):258, Jan 75 **(Jpn)**

SARCOCYSTIS see under **SARCOSPORIDIA**

SARCODINA

Editorial: Primary amoebic meningoencephalitis. **Med J Aust** 1(5):105–6, 31 Jan 76

The 1968 New Zealand cases of primary amoebic meningoencephalitis—Myxomycete or Naegleria? Cursons RT, et al. **NZ Med J** 82(546):123–5, 27 Aug 75

Recurrent suppurative kerato-uveitis with loss of eye due to infection by Acanthamoeba castellani. Jones BR, et al. **Trans Ophthalmol Soc UK** 95(2):210–3, Jul 75

Acanthamoeba polyphaga keratitis and Acenthamoeba uveitis associated with fatal meningoencephalitis. Jones DB, et al. **Trans Ophthalmol Soc UK** 95(2):221–32, Jul 75

[Experimental Acanthamoeba castellani infections in white mice. Histopathological changes] Proca-Ciobanu M, et al. **Arch Roum Pathol Exp Microbiol** 34(1-2):75–84, Jan-Jun 75 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Clydonella N. G. (Amoebida: Thecamoebidae), proposed to provide an appropriate generic home for Schaeffer's marine species of Rugipes, C. vivax (Schaeffer, 1926) n. comb. Sawyer TK. **Trans Am Microsc Soc** 94(3):395–400, Jul 75

DRUG EFFECTS

The role of divalent cations in the regulation of microtubule assembly. In vivo studies on microtubules of the heliozoan axopodium using the ionophore A23187. Schliwa M. **J Cell Biol** 70(3):527–40, Sep 76

GROWTH & DEVELOPMENT

Effect of bacterial & fungal extracts & metabolic inhibitors on excystment of soil amoebae. Jehan M, et al. **Indian J Exp Biol** 13(4):375–7, Jul 75

IMMUNOLOGY

Immunoassays of Acanthamoeba castellanii plasma membranes. Preliminary results. Willaert E, et al. **Pathol Biol (Paris)** 24(2):89–91, Feb 76

ISOLATION & PURIFICATION

Letter: Acanthamoeba meningoencephalitis in Britain. Griffin JL. **Br Med J** 1(6002):153, 17 Jan 76

Isolation of amoebae from eye infections in England. Nagington J. **Trans Ophthalmol Soc UK** 95(2):207–9, Jul 75

PHYSIOLOGY

Kinetics of cell agglutination. A quantitative assay of concanavalin A mediated agglutination of Acanthamoeba castellanii. Linnemans WA, et al. **Exp Cell Res** 101(1):191–201, Aug 76

The mechanochemical basis of amoeboid movement. I. Ionic requirements for maintaining viscoelasticity and contractility of Amoeba cytoplasm. Taylor DL, et al. **Exp Cell Res** 101(1):127–33, Aug 76

Phagocytosis and pinocytosis in Acanthamoeba castellanii. Chambers JA, et al. **J Gen Microbiol** 92(2):246–50, Feb 76

ULTRASTRUCTURE

The mechanochemical basis of amoeboid movement. II. Cytoplasmic filament stability at low divalent cation concentrations. Condeelis JS, et al. **Exp Cell Res** 101(1):134–42, Aug 76

Ultrastructure of a colonial radiolarian collozoum inerme and a cytochemical determination of the role of its zooxanthellae. Anderson OR. **Tissue Cell** 8(2):195–208, 1976

Particle movement in heliozoan axopods associated with lateral displacement of highly ordered membrane domains. Bardele CF. **Z Naturforsch [C]** 31(3-4):190–4, Mar-Apr 76

SARCOIDOSIS

Ocular sarcoidosis: evaluation of intraocular findings. Iwata K, et al. **Ann NY Acad Sci** 278:445–54, 1976

A worldwide review of sarcoidosis. James DG, et al. **Ann NY Acad Sci** 278:321–34, 1976

The centenary of sarcoidosis. James DG. **Ann NY Acad Sci** 278:736–41, 1976

Racial differences in sarcoidosis. Sartwell PE. **Ann NY Acad Sci** 278:368–70, 1976

Patterns of sarcoidosis in three population groups in New York City. Teirstein AS, et al. **Ann NY Acad Sci** 278:371–6, 1976

Prognosis of chronic sarcoidosis. Wurm K, et al. **Ann NY Acad Sci** 278:732–5, 1976

Nasal sarcoidosis. Gordon WW, et al. **Arch Otolaryngol** 102(1):11–4, Jan 76

Sarcoidosis: an overview. Kataria YP. **Clin Notes Respir Dis** 14(3):2–14, Winter 75 (49 ref.)

Sarcoidosis: recent reflections. Israel HL. **Int J Dermatol** 14(9):645–8, Nov 75 (18 ref.)

Oral sarcoidosis: review of the literature. Gold RS, et al. **J Oral Surg** 34(3):237–44, Mar 76 (38 ref.)

Benign self-limiting sarcoidosis with skin and joint involvement. Keary PJ, et al. **NZ Med J** 83(560):197–9, 24 Mar 76

A case of sarcoidosis in a Chinese woman. Ong YY, et al. **Postgrad Med J** 51(594):257–60, Apr 75

Sarcoidosis with extrathoracic localization. Chişleag G, et al **Rev Med Chir Soc Med Nat Iasi** 79(4):617–20, Oct-Dec 75

Bone and joint sarcoidosis. James DG, et al. **Semin Arthritis Rheum** 6(1):53–81, Aug 76 (47 ref.)

[Proceedings: Annular cicatricial sarcoidosis of the scalp] Nazzaro P, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):402–3, 1975 **(Fre)**

[Spinal cord sarcoidosis. Anatomo-clinical case] Buge A, et al. **Ann Med Interne (Paris)** 126(1):11–6, Jan 75 (Eng. Abstr.) **(Fre)**

[Hypertrophic nodular muscular sarcoidosis] Turiaf J, et al. **Ann Med Interne (Paris)** 126(6-7):503–8, Jun-Jul 75 **(Fre)**

[A case of sarcoidosis in Cameroonian] Pasticier A, et al. **Bull Soc Pathol Exot** 68(1):100–4, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Sarcoidosis] Favez G. **Dtsch Med Wochenschr** 100(50):2574–9, 12 Dec 75 (86 ref.) **(Ger)**

[Proceedings: Sarcoidosis (Boeck's disease), large nodular form] Weber L. **Hautarzt** 26(7):387–9, Jul 75 **(Ger)**

[Critical comments on the etiology, epidemiology, diagnosis, therapy and prognosis of sarcoidosis] Ludes H. **Lebensversicherungsmedizin** 27(4):89–95, Jul 75 **(Ger)**

[Joint pains, high fever and multiple round lesions observed in pulmonary radiography: sarcoidosis] Ito Y, et al. **Jpn J Clin Med** Spec No:788–9, 1156–9, 10 Apr 75 **(Jpn)**

[Mild fever and hilar lymphadenopathy: pulmonary sarcoidosis] Yamada S. **Jpn J Clin Med** Spec No:790–1, 1160–1, 10 Apr 75 **(Jpn)**

[Current status of sarcoidosis] Barbu Z. **Rev Ig [Pneumoftiziol]** 25(1-2):1–6, Jan-Mar 76 **(Rum)**

[Pseudotuberculosis] Antonov VS. **Klin Med (Mosk)** 53(11):12–7, Nov 75 (60 ref.) **(Rus)**

[Diagnosis and treatment of pulmonary sarcoidosis] Aseev DD, et al. **Probl Tuberk** (4):83–7, 1975 **(Rus)**

[Clinical characteristics of diagnosis and treatment of sarcoidosis] Guseva EI, et al. **Sov Med** (7):137–8, Jul 75 **(Rus)**

[Sarcoidosis of the tongue with rapid generalization of the process (1 case)] Aronov BKh. **Vopr Onkol** 21(4):58–61, 1975 **(Rus)**

[Pulmonary sarcoidosis] Fernández Guerrero M, et al. **Rev Clin Esp** 138(6):567–70, 30 Sep 75 **(Spa)**

CLASSIFICATION

Description of sarcoidosis: Report of the Subcommittee on Classification and Definition. James DG, et al. **Ann NY Acad Sci** 278:742, 1976

COMPLICATIONS

Massive splenomegaly, pancytopenia and haemolytic anaemia in sarcoidosis. Thadani U, et al. **Acta Haematol (Basel)** 53(4):230–40, 1975

Chronic intrahepatic cholestasis of sarcoidosis. Rudzki C, et al. **Am J Med** 59(3):373–87, Sep 75

Sarcoidosis of the upper respiratory tract and its relation to lupus pernio. Neville E, et al. **Ann NY Acad Sci** 278:416–26, 1976

Letter: Cutaneous sarcoidosis and ocular histoplasmosis. Callaway JL, et al. **Arch Dermatol** 112(4):561–2, Apr 76

Secondary syphilis and sarcoidosis. Laugier P. **Arch Dermatol** 112(2):261, Feb 76

Letter: Pruritic cutaneous sarcoidosis. Powell RF, et al. **Arch Dermatol** 112(10):1465–6, Oct 76

Sarcoid granulomatous nephritis occurring as isolated renal failure. King BP, et al. **Arch Intern Med** 136(2):241–5, Feb 76

Membranous glomerulopathy in a patient with sarcoidosis. Salomon MI, et al. **Arch Pathol** 99(9):479–83, Sep 75

Osteosclerosis in sarcoidosis. Weston M, et al. **Australas Radiol** 19(2):191–3, Jun 75

Sarcoidosis in a child, presenting as an erythroderma with keratotic spines and palmar pits. Morrison JG. **Br J Dermatol** 95(1):93–7, Jul 76

Sarcoidosis and thyrotoxicosis: A study of five patients. Hancock BW, et al. **Br J Dis Chest** (2):129–33, Apr 76

Letter: Thrombocytopenia, haemolytic anaemia, and sarcoidosis. Holt PJ, et al. **Br Med J** 1(6004):284, 31 Jan 76

Thrombocytopenia, haemolytic anaemia, and sarcoidosis. Semple P. **Br Med J** 4(5994):441–2, 22 Nov 75

Letter: Thrombocytopenia, haemolytic anaemia, and sarcoidosis. Winter M. **Br Med J** 1(6000):44, 3 Jan 76

Letter: Ventricular aneurysm in sarcoidosis. Chun SK, et al. **Chest** 68(3):392–3, Sep 75

Onset of sarcoidosis with left ventricular failure and multisystem involvement. Miller A, et al. **Chest** 70(2):302–4, Aug 76

Reversible renal failure from isolated granulomatous renal sarcoidosis. Bolton WK, et al. **Clin Nephrol** 5(2):88–91, Feb 76

Sarcoidosis with incomplete bilateral bundle branch block pattern disappearing following steroid therapy: an electrophysiological study. Friedman HS, et al. **Eur J Cardiol** 4(2):141–50, Jun 76

Mitral valve prolapse in sarcoid heart disease. Shenkoya KA, et al. **Ill Med J** 148(5):551–5, Nov 75

A positive monospot test in a diabetic with sarcoidosis. Lalor BC, et al. **Ir J Med Sci** 145(2):58–9, Feb 76

Deafness in sarcoidosis. Kane K. **J Laryngol Otol** 90(6):531–7, Jun 76

Laryngeal obstruction in children sarcoidosis. Kirschner BS, et al. **J Pediatr** 88(2):263–5, Feb 76

Gastric sarcoidosis presenting with haematemesis. Fung WP, et al. **Med J Aust** 2(2):47–9, 12 Jul 75

Outlet obstruction of the fourth ventricle in sarcoidosis. Lukin RR, et al. **Neuroradiology** 10(2):65–8, 21 Nov 75

Biopsy-confirmed sarcoid interstitial fibrosis after a 15-year remission. Schuyler MR, et al. **Ohio State Med J** 71(14):707–9, Oct 75

Sarcoidosis presenting with multiple tattoo granulomata. Iveson JM, et al. **Postgrad Med J** 51(599):670–2, Sep 75

Sarcoidosis with thyroid involvement, polymyalgia rheumatica and breast carcinoma. A case report. von Knorring J, et al. **Scand J Rheumatol** 5(2):77–80, 1976

Sarcoidosis, tuberculous meningitis and visual disturbance. Forgan-Smith R, et al. **Tubercle** 55(4):309–12, Dec 74

[Hyperthyroidism, sarcoidosis, amenorrhea-galactorrhea syndrome appearing simultaneously in the same patient] Fromantin M, et al. **Ann Med Interne (Paris)** 126(12):853–6, Dec 75 **(Fre)**

[Hypodiastolic syndromes in pneumology] Pelucco D, et al. **Bronches** 25(3):218–29, May-Jun 75 **(Fre)**

[Medullary compression caused by epiduritis with sarcoidosic aspects] Gorard PL, et al. **Bull Soc Med Afr Noire Lang Fr** 20(1):31–41, 1975 (Eng. Abstr.) **(Fre)**

[Letter: Association of sarcoidosis, ankylosing spondylitis and monoclonal immunoglobulin] Ranfaing J, et al. **Nouv Presse Med** 5(15):1006, 10 Apr 76 **(Fre)**

[Gougerot-Sjögren syndrome in patients with sarcoidosis] Turiaf J, et al. **Nouv Presse Med** 5(10):625–7, 6 Mar 76 (Eng. Abstr.) **(Fre)**

[Osseous lesions of sarcoidosis] Gherman E, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):627–8, Oct-Dec 75 **(Fre)**

[The simultaneous occurrence of psoriasis, sarcoidosis and gout. Report of 3 cases] Eckes L. **Hautarzt** 26(7):357–61, Jul 75 (Eng. Abstr.) **(Ger)**

[Extreme thrombocytopenia in sarcoidosis (author's transl)] Kremer H, et al. **Munch Med Wochenschr** 117(37):1479–82, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Transverse myelitis as an early manifestation of a sarcoidosis] Goebel G. **Nervenarzt** 46(12):688–9, Dec 75 **(Ger)**

[Glomerulonephritis and sarcoidosis: study of a case] Palestro G, et al. **Minerva Med** 66(81):4311–5, 28 Nov 75 (Eng. Abstr.) **(Ita)**

[Ateriovetricular block caused by sarcoidosis] Heki S, et al. **Bull Chest Dis Res Inst Kyoto Univ** 8(2):131–42, Mar 75 (Eng. Abstr.) **(Jpn)**

[Fever, cognition disorder and polyuria: diabetes insipidus caused by sarcoidosis] Nagai I, et al. **Jpn J Clin Med** Spec No:792–3, 1162–5, 10 Apr 75 **(Jpn)**

[Pulmonary sarcoidosis associated with middle lobe syndrome—report of a case] Onizuka K, et al. **Jpn J Clin Radiol** 20(6):503–8, Jun 75 **(Jpn)**

[Bilateral hilar lymph-node sarcoidosis associated with prolapse of the posterior mitral valve leaflet] Shiota K, et al. **Jpn J Thorac Dis** 13(10):614–20, Oct 75 (Eng. Abstr.) **(Jpn)**

[Sarcoidosis and tuberculosis] Hosoda Y. **Kekkaku** 50(11):615–9, Dec 75 **(Jpn)**

[Association of sarcoidosis and malignant tumors] Gherman G, et al. **Rev Med Intern [Med Intern]** 28(3):235–40, May-Jun 76 (Eng. Abstr.) **(Rum)**

[Successful extraction of secondary complicated cataract in sarcoidosis] Bokhon NN. **Oftalmol Zh** 30(5):384–6, 1975 **(Rus)**

[Multiple polycystic osteitis in a patient with sarcoidosis] Cherednichenko LP, et al. **Probl Tuberk** (5):81–2, May 76 **(Rus)**

[Heart lesion in sarcoidosis] Krasovskaia NI, et al. **Ter Arkh** 47(12):69–73, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Sarcoidosis. A clinical study with special reference to the choice of biopsy procedure. Rasmussen SM, et al. **Acta Med Scand** 199(3):209–16, 1976

Kveim–test in patients suspected of sarcoidosis and in leprosy patients in a geographical area not yea investigated. Mendes E, et al. **Allergol Immunopathol (Madr)** 4(1):45–50, Jan–Feb 76

Gastrointestinal sarcoidosis diagnosed by conjunctival biopsy. Fulton A, et al. **Am J Ophthalmol** 82(1):102–4, Jul 76

Serum lysozyme in sarcoid uveitis. Weinberg RS, et al. **Am J Ophthalmol** 82(1):105–8, Jul 76

Vertebral sarcoidosis. A case report and review of the literature. Brodey PA, et al. **Am J Roentgenol** 126(4):900–2, Apr 76

Transbronchial lung biopsy via the fiberoptic bronchoscope in sarcoidosis. Koonitz CH, et al. **Ann Intern Med** 85(1):64–6, Jul 76

Sarcoidosis and other granulomatous diseases of the lung: clinical aspects and problems of differential diagnosis. Blasi A, et al. **Ann NY Acad Sci** 278:528–31, 1976

Gallium scanning in sarcoidosis. Israel HL, et al. **Ann NY Acad Sci** 278:514–6, 1976

Bone sarcoidosis. Neville E, et al. **Ann NY Acad Sci** 278:475–87, 1976

Comparison of clinical and laboratory findings of intrathoracic sarcoidosis between children and adults. Niitu Y, et al. **Ann NY Acad Sci** 278:532–8, 1976

The ornithosis complement fixation test in sarcoidosis. Refvem O, et al. **Ann NY Acad Sci** 278:225–32, 1976

Fine–needle aspiration biopsy of the spleen in diagnosis of sarcoidosis. Selroos O. **Ann NY Acad Sci** 278:517–21, 1976

Current (1975) problem of differentiating between beryllium disease and sarcoidosis. Sprince NL, et al. **Ann NY Acad Sci** 278:654–64, 1976

Clinical course of cardiac sarcoidosis. Stein E, et al. **Ann NY Acad Sci** 278:470–4, 1976

Flexible–bronchoscope biopsy of lung and bronchial wall in intrathoracic sarcoidosis. Teirstein AS, et al. **Ann NY Acad Sci** 278:522–7, 1976

Spectrum of pleural involvement in sarcoidosis. Beekman JF, et al. **Arch Intern Med** 136(3):323–30, Mar 76

Sarcoidosis. Vollum DI. **Br J Dermatol** 95 Suppl 24:56–7, Jul 76

Neuro–ophthalmic sarcoidosis. Turner RG, et al. **Br J Ophthalmol** 59(11):657–63, Nov 75

Editorial: Diagnosis of pulmonary sarcoidosis. **Br Med J** 4(5996):540–1, 6 Dec 75

The prognosis of sarcoidosis in children. Kendig EL, et al. **Chest** 70(03):351–3, Sep 76

Detection of covert myocardial sarcoidosis by scalene node biopsy. Strauss GS, et al. **Chest** 69(6):790–2, Jun 76

Sarcoid–like lung disease following fresh water aspiration. Osborne RL Jr, et al. **Clin Bull** 5(4):154–5, 1975

Immunohistological development of the Kveim reaction. Hannuksela M, et al. **Dermatologica** 151(6):354–8, 1975

Sarcoidosis of the nasal vault. Manor NR, et al. **Eye Ear Nose Throat Mon** 55(2):20–2, 25, Feb 76

Gastric sarcoidosis, presenting as antral scarring. Blackstone MO, et al. **Gastrointest Endosc** 22(4):211–2, May 76

Sarcoidosis presenting as a wrist tumour. Cashman WF, et al. **Hand** 8(2):155–7, Jun 76

Diagnosis of sarcoidosis from oral manifestation. Hillerup S. **Int J Oral Surg** 5(2):95–9, Apr 1976

Validation and standardization of Kveim test suspensions prepared from two human sarcoid spleens. Mitchell DN, et al. **J Clin Pathol** 29(3):203–10, Mar 76

Sarcoidosis: a comparison of cutaneous manifestations with chest radiographic changes. Caruthers B Jr, et al. **J Natl Med Assoc** 67(5):364–7, Sep 75

Letter: Kveim test in sarcoidosis. Hurley TH, et al. **N Engl J Med** 293(14):722–3, 2 Oct 75

Letter: Transbronchial lung biopsy for sarcoidosis. Khan MA, et al. **N Engl J Med** 295(4):225, 22 Jul 76

Letter: Kveim test in sarcidosis. Siltzbach LE. **N Engl J Med** 293(21):1103–4, 20 Nov 75

Spinal cord sarcoidosis. Nathan MP, et al. **NY State J Med** 76(5):748–52, May 76

Case report: prolonged high fever as a primary manifestation of sarcoidosis. Sarkar TK. **Postgrad Med** 59(6):203–5, Jun 76

Relapsing meningoencephalitis ? cerebral sarcoidosis. Rose FC. **Proc R Soc Med** 68(9):594–6, Sep 75

Protracted yet variable major pulmonary artery compression in sarcoidosis. Faunce HF, et al. **Radiology** 119(2):313–4, May 76

The mediastino–pulmonary sarcoidosis: from the activity of the antiphtisis hospital of Rădăuți. Demișcă I. **Rev Med Chir Soc Med Nat Iasi** 79(4):630, Oct–Dec 75

Clinical – radiological aspects of mediastino–pulmonar sarcoidosis. Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):631, Oct–Dec 75

[Comparative data of labial gland biopsies and scintigraphy with technetium 99m of the principal salivary glands in sarcoidosis] Turiaf J, et al. **Ann Med Interne (Paris)** 127(3):259–64, Mar 76 **(Fre)**

[Fundus oculi changes in Besnier–Boeck–Schaumann sarcoidosis] Montard M, et al. **Bull Soc Ophtalmol Fr** 75(4):487–91, Apr 75 **(Fre)**

[Bone, joint, spinal and pelvic–spinal localizations of sarcoidosis (apropos of a case)] Blanchon P, et al. **Poumon Coeur** 31(3):101–10, 1975 (Eng. Abstr.) **(Fre)**

[Clinical and radiological aspects of lymph nodal–pulmonary sarcoidosis] Centea A. **Rev Med Chir Soc Med Nat Iasi** 79(4):628–9, Oct–Dec 75 **(Fre)**

[Contribution of the Kveim test to the diagnosis of sarcoidosis] Centea A, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):623–4, Oct–Dec 75 **(Fre)**

[Hepatic punch biopsy in sarcoidosis] Gherman G. **Rev Med Chir Soc Med Nat Iasi** 79(4):624–5, Oct–Dec 75 **(Fre)**

[Depigmented and pruriginous cutaneous manifestations of Besnier–Boeck–Schaumann disease] Daniel J, et al. **Sem Hop Paris** 52(22–23):1396–9, 9–16 Jun 76 **(Fre)**

[Diagnostic problems of sarcoidosis in a lung clinic] pp. 111–5. Breyne H.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Faulty diagnosis of sarcoidosis] pp. 118–20. Fick H.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Biopsy methods in the diagnosis and differential diagnosis of Boeck's disease] pp. 116–7. Vollhaber HH.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Sarcoidosis in childhood; long–term prognosis in 40 cases (author's transl)] Gubbawy H, et al. **Prax Pneumol** 29(9):490–504, Sep 75 (Eng. Abstr.) **(Ger)**

[Sarcoidosis of the lung] Hamm J. **Verh Dtsch Ges Inn Med** 81:423–36, 1975 **(Ger)**

[Proceedings: Sarcoidosis] Přrieme B. **Z Hautkr** 51(2):55–6, 15 Jan 76 **(Ger)**

[Proceedings: Sarcoidosis (involvement of lungs, liver, skin, eyes; and possibly of parotid gland and joints)] Retzlaff H. **Z Hautkr** 51(2):60, 15 Jan 76 **(Ger)**

[Subcutaneous nodular sarcoidosis (sarcoid Darier–Roussy)] Schirmer D. **Z Hautkr** 50(19):837–8, 1 Oct 75 **(Ger)**

[Boeck's sarcoid] Wüstner H. **Z Hautkr** 50(18):801–2, 15 Sep 75 **(Ger)**

[Scintigraphy by means of 197 HgCl 2 in pulmonary sarcoidosis] Cuomo A. **Torace** 17(1–2):289–98, Jun 74 (Eng. Abstr.) **(Ita)**

[Radiography and biopsy findings in pulmonary sarcoidosis – with special reference to bronchographic and pathological studies] Shibayama M, et al. **Jpn J Clin Radiol** 21(1):13–9, Jan 76 **(Jpn)**

[Difficulties in the differentiation of tuberculosis and lymph nodal–mediastinal sarcoidosis in adolescents] Hreniuc R, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):632–3, Oct–Dec 75 **(Rum)**

[Sarcoidosis, an unknown disease. Notes on 6 cases with extrathoracic localization] Negoiță CI, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):626–7, Oct–Dec 75 **(Rum)**

[Color digital scanning in pulmonary sarcoidosis] Kostina ZI, et al. **Klin Med (Mosk)** 53(12):90–5, Dec 75 **(Rus)**

[Dry erythrocytic lipopolysaccharide diagnostic agent for pseudotuberculosis] Besednova NN, et al. **Lab Delo** (2):119, 1976 **(Rus)**

[Importance of certain serological tests in diagnosis of pulmonary tuberculosis and sarcoidosis] Kostina ZI, et al. **Probl Tuberk** (4):45–8, 1975 (Eng. Abstr.) **(Rus)**

[Diagnosis of intrathoracic sarcoidosis] Terent'eva NA, et al. **Probl Tuberk** (8):59–62, 1975 (Eng. Abstr.) **(Rus)**

[Diagnosis of mediastinal and mediastinal–pulmonary forms of sarcoidosis] Zharakhovich IA, et al. **Ter Arkh** 47(10):62–6, 1975 **(Rus)**

[The muscular localization in sarcoidosis. Anatomoclinical study of a case] Quirós Corujo P, et al. **Arch Neurobiol (Madr)** 39(1):1–14, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Sarcoidosis: our cases of erythema nodosum mediastinal adenopathies (20 cases)] Prat JM, et al. **Rev Clin Esp** 137(6):537–41, 30 Jun 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Letter: Sarcoidosis. DeRemee RA, et al. **Am Rev Respir Dis** 112(5):746, Nov 75

Extended experience in the long–term corticosteroid treatment of pulmonary sarcoidosis. Johns CJ, et al. **Ann NY Acad Sci** 278:722–31, 1976

The problem of the treatment of sarcoidosis: Report of the Subcommittee on Therapy. Turiaf J, et al. **Ann NY Acad Sci** 278:743–51, 1976

Drugs for the treatment of sarcoidosis. James DG, et al. **Arch Monaldi** 30(1):3–7, Jan–Feb 75

Letter: Levamisole in sarcoidosis. Rosenthal M, et al. **N Engl J Med** 294(2):112–3, 8 Jan 76

Letter: Allopurinol for sarcoid? Rosof BM. **N Engl J Med** 294(8):447, 19 Feb 76

Tardive results of antiinflammatory treatment in sarcoidosis. Barbu Z, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):633–4, Oct–Dec 75

[Letter: Mediastino–pulmonary sarcoidosis. Indications of corticotherapy] Fréour P. **Nouv Presse Med** 4(33):2403, 11 Oct 75 **(Fre)**

[Therapy of pulmonary sarcoidosis] Bloedner CD. **Dtsch Med Wochenschr** 101(3):86–7, 16 Jan 76 **(Ger)**

[Letter: Therapy of pulmonary sarcoidosis] Breyne H. **Dtsch Med Wochenschr** 101(13):515–6, 26 Mar 76 **(Ger)**

[Letter: Levamisol in therapy of inflammatory rheumatic diseases and sarcoidosis] Trabert U, et al. **Dtsch Med Wochenschr** 100(44):2297–8, 31 Oct 75 **(Ger)**

[Erster Bericht über eine kontrollierte klinische Untersuchung zur Prednisolon–Behandlung der thorakalen Sarkoidose Roth I, et al. **Z Erkr Atmungsorgane** 142(1):49–58, Jan 75 (Eng. Abstr.) **(Ger)**

[Effects of corticotherapy during sarcoidosis] Jaroszewicz W, et al. **Pneumonol Pol** 44(1):15–23, 1976 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Elevation of serum angiotensin–converting–enzyme (ACE) level in sarcoidosis. Lieberman J. **Am J Med** 59(3):365–72, Sep 75

The specificity and nature of serum–angiotensin–converting enzyme (serum ACE) elevations in sarcoidosis. Lieberman J. **Ann NY Acad Sci** 278:488–97, 1976

Elevation of angiotensin–converting enzyme in granulomatous lymph nodes and serum in sarcoidosis: clinical and possible pathogenic significance. Silverstein E, et al. **Ann NY Acad Sci** 278:498–513, 1976

Similarity in some properties of serum angiotensin converting enzyme from sarcoidosis patients and normal subjects. Friedland J, et al. **Biochem Med** 15(2):178–85, Apr 76

Markedly elevated angiotensin converting enzyme in lymph nodes containing non–necrotizing granulomas in sarcoidosis. Silverstein E, et al. **Proc Natl Acad Sci USA** 73(6):2137–41, Jun 76

[Monocyte enzyme activity in sarcoidosis] Shima K, et al. **Jpn J Thorac Dis** 13(5):263–71, May 75 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Gougerot–Sjögren syndrome and sarcoidosis. Turiaf J, et al. **Ann NY Acad Sci** 278:401–5, 1976

[Generalized familial semibenign BCG infection, salmonella osteomyelitis and intestinal pseudotuberculosis—due to a familial defect of the macrophage system? (author's transl)] Heyne K. **Eur J Pediatr** 121(3):179–89, 4 Feb 76 (Eng. Abstr.) **(Ger)**

[Case of malignant lymphogranuloma with sarcoid–type changes of the spleen] Lapertosa G. **Pathologica** 67(963–964):61–8, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Current status of research on the etiology of sarcoidosis] Stoicescu P. **Rev Ig [Pneumoftiziol]** 24(1):11–8, Jan–Mar 75 **(Rum)**

FAMILIAL & GENETIC

Familial sarcoidosis with multiple occurrences in eleven families: a possible mechanism of inheritance. Headings VE, et al. **Ann NY Acad Sci** 278:377–85, 1976

Familial sarcoidosis: a possible genetic influence. Sharma OP, et al. **Ann NY Acad Sci** 278:386–400, 1976

Heerfordt's syndrome in two sisters. Snell NJ, et al. **Br Med J** 4(5999):731–2, 27 Dec 75

Pathogenesis of sarcoidosis: an hypothetical model. Silverstein E. **Med Hypotheses** 2(3):75–8, May–Jun 76

Possible genetic influences in familial sarcoidosis. James DG, et al. **Postgrad Med J** 50(589):664–70, Nov 74

IMMUNOLOGY

Immunology of sarcoidosis. James DG, et al. **Am J Med** 59(3):388–94, Sep 75 (50 ref.)

Intermittent neutrophil–monocyte bactericidal defects in a patient with sarcoidosis. Drutz DJ, et al. **Am Rev Respir Dis** 112(3):387–92, Sep 75

Phytohemagglutinin (PHA) skin test in patients with sarcoidosis. Kataria YP, et al. **Am Rev Respir Dis** 112(4):575–8, Oct 75

Sarcoid lymphocytes: spontaneous transformation and release of macrophage migration inhibition activity. Kataria YP, et al. **Am Rev Respir Dis** 113(3):315–23, Mar 76

Leukotactic dystunction in sarcoidosis. Maderazo EG, et al. **Ann Intern Med** 84(4):414–9, Apr 76

Antibodies to T cells in sarcoidosis. Daniele RP, et al. **Ann NY Acad Sci** 278:88–100, 1976

Kinetics of monocyte receptor activity for immunoproteins in patients with sarcoidosis. Douglas SD, et al. **Ann NY Acad Sci** 278:190–200, 1976

Comparison of the anergy of sarcoidosis with experimentally induced anergy in guinea pigs. Dwyer JM, et al. **Ann NY Acad Sci** 278:29–35, 1976 (40 ref.)

Distribution and function of T– and B–cell subpopulations in sarcoidosis. Fernandez B, et al. **Ann NY Acad Sci** 278:80–7, 1976

Immunological studies in sarcoidosis: a comparison of in vivo and in vitro Kveim tests. Hardt F, et al. **Ann NY Acad Sci** 278:711–6, 1976

Characterization of peripheral blood lymphocytes in sarcoidosis. Hedfors E. **Ann NY Acad Sci** 278:101–7, 1976

Acquisition of tuberculin sensitivity after injection of dialyzable transfer factor in sarcoidosis. Horsmanheimo M, et al. **Ann NY Acad Sci** 278:129–35, 1976

Evidence for circulating immune complexes in erythema nodosum and early sarcoidosis. Jones JV, et al. **Ann NY Acad Sci** 278:212–9, 1976

Estimation of T– and K–cell activity in the peripheral blood of sarcoidosis patients. Kalden JR, et al. **Ann NY Acad Sci** 278:52–68, 1976 (54 ref.)

Sarcoid lymphocytes: B- and T-cell quantitation. Kataria YP, et al. **Ann NY Acad Sci** 278:69–79, 1976 (41 ref.)
Macrophage reactivity in skin window of sarcoidosis patients. Kohout J. **Ann NY Acad Sci** 278:201–3, 1976
Search for specific antibody in sera from patients with sarcoidosis. Kueppers F, et al. **Ann NY Acad Sci** 278:220–4, 1976
Regulation of immunologic reactivity in sarcoidosis. Loehnen CP, et al. **Ann NY Acad Sci** 278:117–24, 1976 (12 ref.)
Immunological identification of subpopulations of mononuclear cells in sarcoid granulomas. Tannenbaum H. **Ann NY Acad Sci** 278:136–46, 1976
Relationship between T-rosette-forming cells and cellular immunity in sarcoidosis. Topilsky M, et al. **Ann NY Acad Sci** 278:108–15, 1976
Immunological studies in sarcoidosis: a comparison of disease activity and various immunological parameters. Veien NK, et al. **Ann NY Acad Sci** 278:47–51, 1976
Comparative in vitro reactivities of leukocytes from sarcoids and normals to different Kveim preparations. Zweiman B, et al. **Ann NY Acad Sci** 278:700–10, 1976
Wart immunity, autoantibodies and Australia antigen in sarcoidosis. Morison WL. **Br J Dermatol** 93(6):717–8, Dec 75
The effect of transfer factor on the in vitro migration of tuberculin stimulated white cells from sarcoid and normal subjects. Park JR, et al. **Br J Dermatol** 92(5):535–40, May 75
Lymphocyte subpopulations in sarcoidosis. Hedfors E, et al. **Clin Exp Immunol** 17(2):219–26, Jun 74
Activation of peripheral T cells of sarcoidosis patients and healthy controls. Hedfors E. **Clin Exp Immunol** 18(3):379–90, Nov 74
Evidence for circulating immune complexes in sarcoidosis. Hedfors E, et al. **Clin Exp Immunol** 16(3):493–6, Mar 74
Lymphocyte subpopulations in sarcoidosis. Hedfors E, et al. **Clin Exp Immunol** 17(2):219–26, Jun 74
Activation of peripheral T cells of sarcoidosis patients and healthy controls. Hedfors E. **Clin Exp Immunol** 18(3):379–90, Nov 74
The effect of plasma upon lymphocyte response in vitro. Demonstration of a humoral inhibitor in patients with sarcoidosis. Mangi RJ, et al. **Clin Exp Immunol** 18(4):519–28, Dec 74
The immunological competence of subjects with sarcoidosis. Mangi RJ, et al. **Clin Exp Immunol** 18(4):505–17, Dec 74
The immunological competence of subjects with sarcoidosis. Mangi RJ, et al. **Clin Exp Immunol** 18(4):505–17, Dec 74
The effect of plasma upon lymphocyte response in vitro. Demonstration of a humoral inhibitor in patients with sarcoidosis. Mangi RJ, et al. **Clin Exp Immunol** 18(4):519–28, Dec 74
Serum IgE levels and reaginic-type skin reactions in sarcoidosis. Yagura T, et al. **Clin Exp Immunol** 21(2):289–97, Aug 75
Immunological characterization of subpopulations of mononuclear cells in tissue and peripheral blood from patients with sarcoidosis. Tannenbaum H, et al. **Clin Immunol Immunopathol** 5(1):133–41, Jan 76
Letter: Circulating immune complexes in erythema nodosum and early sarcoidosis. Jones JV, et al. **Lancet** 1(7951):153, 17 Jan 76
Passive transfer of tuberculin sensitivity in sarcoidosis. Kohout J. **Pneumonologie** 153(3):217–21, 25 Jun 76
Transplantation of lymphocytes and immune lymphocytes in sarcoidosis and in malignant lymphadenomas. Kohout J. **Postgrad Med J** 51(596):396–8, Jun 75
What is known and unknown about sarcoidosis? Barbu Z. **Rev Med Chir Soc Med Nat Iasi** 79(4):615–7, Oct–Dec 75
Phytohaemagglutinin and transfer factor in the leucocyte migration inhibition test in patients with sarcoidosis. Morison WL. **Thorax** 31(1):87–90, Feb 76
[Cell immunity in sarcoidotic patients (author's transl)] Haškovcová H, et al. **Cas Lek Cesk** 115(17):517–9, 30 Apr 76 (Eng. Abstr.) **(Cze)**
[Study on Kveim's test. Positive tests in agammaglobulinemia. Comparison with TTL in presence of Kveim's antigen] Messerschmitt J, et al. **Nouv Presse Med** (23):1717–20, 7 Jun 75 (Eng. Abstr.) **(Fre)**
[The diangostic value of skin tests with tissue-extracts, especially in lepra and sarcoidosis (author's transl)] Hoppe JE, et al. **Immun Infekt** 3(1):36–47, Feb 75 (Eng. Abstr.) **(Ger)**
[A clinical-immunological concept of sarcoidosis] Kobout J. **Wien Med Wochenschr** Suppl 29:1–15, 1975 (Eng. Abstr.) **(Ger)**
[Leukocyte migration inhibition test, effect of the serum of patients with sarcoidosis Lenzini L, et al. **Boll Soc Ital Biol Sper** 51(21):1587–9, 15 Nov 75 **(Ita)**
[Sarcoidosis—with special reference to the differences of immunological characteristics in various clinical stages] Shigematsu N, et al. **Jpn J Thorac Dis** 13(9):539–46, Sep 75 (Eng. Abstr.) **(Jpn)**
[Pathochemical changes in pseudotuberculosis] Malyi VP. **Voen Med Zh** (11):48–50, Nov 75 **(Rus)**
[Autoimmune processes in pseudotuberculosis] Malyi VP. **Vrach Delo** (8):73–6, Aug 75 **(Rus)**

METABOLISM

Sarcoidosis with salivary gland involvement: biochemical studies on parotid saliva. Beeley JA, et al. **J Lab Clin Med** 88(2):276–81, Aug 76
Histochemistry of sarcoidotic-hyaline. Barbolini G, et al. **Pneumonologie** 153(3):203–8, 25 Jun 76

MICROBIOLOGY

The serach for viruses in sarcoidosis. Steplewski Z. **Ann NY Acad Sci** 278:260–3, 1976
[Characteristics of the bacterial component in the dynamics of the infectious process in experimental pseudotuberculosis] Nagornaia LE. **Zh Mikrobiol Epidemiol Immunobiol** (4):118–23, Apr 75 **(Rus)**

MORTALITY

[Cuases of death by endothoracial sarcodosis (author's transl)] Fasske E. **Prax Pneumol** 29(3):170–7, Mar 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

A cooperative study of sarcoidosis in Asia and Africa: analytic epidemiology. Hosoda Y, et al. **Ann NY Acad Sci** 278:355–67, 1976
A cooperative study of sarcoidosis in Asia and Africa: descriptive epidemiology. Hosoda Y, et al. **Ann NY Acad Sci** 278:347–54, 1976
Sarcoidosis in Europe: a cooperative study. Levinsky L, et al. **Ann NY Acad Sci** 278:335–46, 1976
Editorial: Sarcoidosis and leprosy. **Lancet** 1(7949):26, 3 Jan 76
Letter: Sarcoidosis among the Irish. Cummiskey J. **Lancet** 1(7955):366–7, 14 Feb 76
Epidemiology of intrathoracic sarcoidosis in the Federal Republic of Germany. Buss J, et al. **Pneumonologie** 153(1):1–20, 12 Dec 75
[Attempted epidemiological evaluation of sarcoidosis] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):620–2, Oct–Dec 75 **(Fre)**
[Epidemiology of sarcoidosis (author's transl)] Hamm J. **Prax Pneumol** 29(12):731–5, Dec 75 (Eng. Abstr.) **(Ger)**
[Incidence and diagnosis of sarcoidosis in outpatients] Schubotz R, et al. **Verh Dtsch Ges Inn Med** 81:1389–91, 1975 **(Ger)**

PATHOLOGY

Sarcoid granulomatous cyclitis. Mizuno K, et al. **Am J Ophthalmol** 81(1):82–5, Jan 76
Structure and function in sarcoidosis. Carrington CB. **Ann NY Acad Sci** 278:265–83, 1976
LP-X test in sarcoidosis patients with liver involvement: comparison with other liver function tests. Lebacq EG, et al. **Ann NY Acad Sci** 278:439–44, 1976
Clinicopathological study of fatal myocardial sarcoidosis. Matsui Y, et al. **Ann NY Acad Sci** 278:455–69, 1976
Morphology and distribution of the cells of a sarcoid granuloma: ultrastructural study of serial sections. Soler P, et al. **Ann NY Acad Sci** 278:147–60, 1976
Immunologic components of granuloma formation. Epithelioid cells, giant cells, and sarcoidosis. Spector WG. **Ann NY Acad Sci** 278:3–6, 1976 (8 ref.)
Induction of granulomas in mice by inoculation of tissue homogenates from patients with inflammatory bowel disease and sarcoidosis. Taub RN, et al. **Ann NY Acad Sci** 278:560–4, 1976
The optic pathway in neurosarcoidosis. Urich H. **Ann NY Acad Sci** 278:406–15, 1976
International Kveim histology trial. Williams WJ, et al. **Ann NY Acad Sci** 278:687–99, 1976
Unusual ocular presentation of sarcoidosis. Burns CL. **Ann Ophthalmol** 8(1):69–71, Jan 76
Sarcoidosis of the paranasal sinuses with orbital extension. Bronson LJ, et al. **Arch Ophthalmol** 94(2):243–4, Feb 76
Sarcoidosis with optic nerve and retinal involvement. Gass JD, et al. **Arch Ophthalmol** 94(6):945–50, Jun 76
Ultrastructural morphometry of the blood-air barrier in pulmonary sarcoidosis. Divertie MB, et al. **Chest** 69(2):154–7, Feb 76
Pathology of sarcoidosis: perspectives and relevance. Gupta IM. **Indian J Chest Dis** 16(4):345–54, Oct 74
Sarcoidosis of the spinal cord. Case report. Snyder R, et al. **J Neurosurg** 44(6):740–3, Jun 76
Pulmonary sarcoidosis: A clinico-pathological study. Judd PA, et al. **J Pathol** 115(4):191–8, Apr 75
Editorial: Form and function of the sarcoid granuloma. **Lancet** 2(7948):1292–3, 27 Dec 75
Pathology mediquiz. What's your diagnosis? Cockrell JV. **Med Times** 104(2):43, 170, Feb 76
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 42–1976. **Milbank Mem Fund Q** 295(16):885–92, 14 Oct 76
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 46–1975. **N Engl J Med** 293(22):1138–45, 27 Nov 75
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 42–1976. **N Engl J Med** 295(16):885–92, 14 Oct 76
Submandibular lymph gland manifestation with unsuspected sarcoidosis. Nitzan D, et al. **Oral Surg** 40(6):728–31, Dec 75
Sarcoidosis in a young child. Appleyard WJ. **Proc R Soc Med** 69(5):345–6, May 76
Erythematous sarcoid. Barnes HM, et al. **Proc R Soc Med** 68(10):651–2, Oct 75
Actualities in sarcoidosis morphopathogenesis. Dobrescu G, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):622–3, Oct–Dec 75
Pleural sarcoidosis. Da Costa JL, et al. **Singapore Med J** 16(3):224–6, Sep 75
[Ultrastructural and histochemical study of Hamasaki-Wesenberg bodies in lymph node sarcoidosis] Boutet M. **Ann Anat Pathol (Paris)** 20(3):201–12, May–Jul 75 (Eng. Abstr.) **(Fre)**
[Myocardial sarcoidosis—pathological studies on 7 autopsy cases with particular reference to histological variations] Imai M, et al. **Acta Pathol Jpn** 25(4):477–97, Jul 75 (Eng. Abstr.) **(Ger)**
Sacoidosis of the skeleton. Review of the literature and case report. (author's transl)] Uehlinger E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):111–22, Aug 76 (Eng. Abstr.) **(Ger)**
[Biopsy in sarcoidosis and silicosis] pp. 83–7. Maassen W, et al. **In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973.** **(Ger)**
[The clinical picture and therapy of sarcoidosis (Boeck's disease)] Bundschu HD. **Med Welt** 27(3):101–5, 16 Jan 76 (38 ref.) **(Ger)**
[Changes of the synovial membrane in sarcoidosis] Fumagalli O, et al. **Clin Ortop** 25(2):93–101, Apr–Jun 74 (Eng. Abstr.) **(Ita)**
[Proceedings: Myocardial sarcoidosis—2 autopsy cases with artificial pacemaker implantation] Ryu K, et al. **Jpn Circ J** 39(7):872, Jul 75 **(Jpn)**
[Autopsy study of sarcoidosis in an aged patient (an 81-year-old female)] Nakayama S, et al. **Jpn J Thorac Dis** 13(5):290–5, May 75 (Eng. Abstr.) **(Jpn)**
[Conduction system in fatal myocardial sarcoidosis with variegated arrhythmias (author's transl)] Takagi M, et al. **Respir Circ (Tokyo)** 24(4):343–9, Apr 76 (Eng. Abstr.) **(Jpn)**
[Bronchoscopic methods of establishing the etiology of enlarged hilar and mediastinal lymph nodes] Gluskowski J. **Pneumonol Pol** 44(1):25–36, 1976 (Eng. Abstr.) **(Pol)**
[Sarooidosis of the skin (apropos of 2 cases with asymptomatic mediastinal lymphatic involvement)] Peteiro C, et al. **Actas Dermosifiliogr** 67(1–2):21–30, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Lung water and capillary permeability in pulmonary sarcoid-like granulomatosis. Basset G, et al. **Ann NY Acad Sci** 278:308–20, 1976
Pulmonary function follow-up to 120 patients with sarcoidosis. Colp C, et al. **Ann NY Acad Sci** 278:301–7, 1976
Pulmonary function in stage I and II pulmonary sarcoidosis. Miller A, et al. **Ann NY Acad Sci** 278:292–300, 1976
Membrane diffusing capacity and pulmonary capillary blood volume in pulmonary sarcoidosis. Saumon G, et al. **Ann NY Acad Sci** 278:284–91, 1976
[Dynamic and specific lung compliance in the 1st stage of pulmonary sarcoidosis] Rosandic-Pilaš M, et al. **Plucne Bolesti Tuberk** 27(1–2):34–8, Jan–Jun 75 (Eng. Abstr.) **(Cro)**
[Evaluation of cardiac performace in 222 patients with pulmonary sarcoidosis (author's transl)] Casazza F, et al. **G Ital Cardiol** 5(4):565–73, 1975 (Eng. Abstr.) **(Ita)**
[Comparative studies on respiratory mechanics and gas exchange in patients with pulmonary sarcoidosis in lymph nodes phase (I) and the early disseminated lesions phase (II)] Kowalski J, et al. **Pneumonol Pol** 44(6):546–57, 1976 (Eng. Abstr.) **(Pol)**
[Function of the lungs in patients with sarcoidosis of the respiratory organs] Dmitrieva KV, et al. **Klin Med (Mosk)** 53(8):65–9, Aug 75 (Eng. Abstr.) **(Rus)**
[Effect of prednisolone on the diffusion capacity of the lungs in sarcoidosis] Volkova KI. **Klin Med (Mosk)** 52(3):115–20, Mar 74 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Selective arteriography of the celiac artery in patients with thoracic sarcoidosis. Turiaf J, et al. **Ann NY Acad Sci** 278:433–8, 1976
Sarcoidosis: a case report. Sukumalchantra Y, et al. **J Med Assoc Thai** 58(10):532–7, Oct 75
Xray conference. Large pulmonary nodules in a young man. Wilcox WA, et al. **Minn Med** 59(2):105–6, Feb 76
Vertebral sarcoidosis in adolescents. Stump D, et al. **Radiology** 121(1):153–5, Oct 76
Calvarial and vertebral sarcoidosis. Case report and review of the literature. Zimmerman R, et al. **Radiology** 119(2):384, May 76
[Osseous and pulmonary sarcoidosis in a 12 year old girl. Radiological study (author's transl)] Godefroy D, et al. **J Radiol Electrol Med Nucl** 57(1):97–102, Jan 76 **(Fre)**
[Differential diagnosis of sarcoidosis and interstitial pulmonary diseases from the radiographic viewpoint] Wurm K. **Med Klin** 71(9):385–9, 27 Feb 76 **(Ger)**

THERAPY

Transfer factor, sarcoidosis and cellular immunity. Platz P, et al. **Acta Pathol Microbiol Scand [C]** 84(1):68–70, Feb 76

[Immunobiological 'Allassotherapy' in sarcoidosis. Method and results (author's transl)] Berdel W, et al. **Munch Med Wochenschr** 118(4):99–102, 23 Jan 76 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Transmissibility of sarcoid-specific granulomas in the footpads of mice. Iwai K, et al. **Ann NY Acad Sci** 278:249–59, 1976

The nature and physical characteristics of a transmissible agent from human sarcoid tissue. Mitchell DN. **Ann NY Acad Sci** 278:233–48, 1976

SARCOLEMMA

Abnormalities in heart membranes and myofibrils during bacterial infective cardiomyopathy in the rabbit. Tomlinson CW, et al. **Circ Res** 39(1):82–92, Jul 76

Disruption of the sarcolemma of mammalian skeletal muscle fibers by homogenization. Kerrick WG, et al. **J Appl Physiol** 39(6):1052–5, Dec 75

ANALYSIS

Enzyme and protein constituents of purified sarcolemma. pp. 251–7. Layzer RB, et al. **In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.**

Characterization of sarcolemma from rabbit skeletal muscle. Drabikowski W, et al. **Recent Adv Stud Cardiac Struct Metab** 9:133–47, 1976

DRUG EFFECTS

Properties of sarcolemmal delayed rectification in glycerol-treated fibers of frog sartorius muscle. Takeda K. **Jpn J Physiol** 25(4):507–13, 1975

Permeability alteration of sarcolemmal membrane in catecholamine-induced cardiac muscle cell injury. In vivo studies with fine structural diffusion tracer horse radish peroxidase. Boutet M, et al. **Lab Invest** 34(5):482–8, May 76

Influence of ouabain and dihydroouabain on the circular dichroism of cardiac plasmalemmal microsomes. Lüllmann H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(1):1–19, 19 Aug 75

ENZYMOLOGY

Defective membrane systems in dystrophic skeletal muscle of the UM-X7.1 strain of genetically myopathic hamster. Dhalla NS, et al. **Clin Sci Mol Med** 49(4):359–68, Oct 75

Transport ATPases of cardiac sarcolemma in 20,25-diazacholesterol induced myopathy. Fiehn W, et al. **Eur J Clin Invest** 5(4):327–30, 29 Jul 75

Cardiac adenylate cyclase. I. Preparation and characterisation of a subcellular fraction containing catecholamine-sensitive adenylate cyclase. Jarrott B, et al. **J Mol Cell Cardiol** 7(9):685–95, Sep 75

Characterization of partially purified heart sarcolemmal Na+-K+-stimulated ATPase. Sulakhe PV, et al. **Recent Adv Stud Cardiac Struct Metab** 9:279–302, 1976

Biochemical properties of cardiac sarcolemma: adenylate cyclase and (Na+ + K+)-activated ATPase. Tada M, et al. **Recent Adv Stud Cardiac Struct Metab** 9:117–31, 1976

Cytochemical studies on sarcolemma: Na+, K+-adenosine triphosphatase and adenylate cyclase. Wollenberger A, et al. **Recent Adv Stud Cardiac Struct Metab** 9:101–15, 1976

[Effects of magnesium, manganese and cobalt ions on the activity of Ca2+-dependent ATPase of skeletal muscle plasma membranes] Gimmel'reikh NG. **Biokhimiia** 40(5):1047–52, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Mechanism of the inhibitory effect of acetylcholine and its analogs on sarcolemma Na, K-ATPase] Takachuk VA, et al. **Biokhimiia** 40(5):1032–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Enzymatic properties in muscle membranes] Kursky MD, et al. **Ukr Biokhim Zh** 47(5):619–34, Sep–Oct 75 (85 ref.) (Eng. Abstr.) **(Rus)**

[Solubilization of sarcolemma acetylcholinesterase with Triton X-100 and KCl] Dyadyusha HP, et al. **Ukr Biokhim Zh** 47(2):172–8, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Kinetic properties of the Ca2+-ATPase in the skeletal muscle sarcolemma of the rabbit normally and in E-avitaminotic dystrophy] Kosterin SA. **Ukr Biokhim Zh** 48(3):378–83, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

[Heterogeneous and kinetic analysis of certain properties of Ca2+-ATPase in sarcolemma of rabbit skeletal muscles] Kosterin SO, et al. **Ukr Biokhim Zh** 47(6):708–13, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

[Proceedings: Antibodies against myocardial sarcolemma in primary cardiomyopathies] Sack W, et al. **Z Kardiol** Suppl 2:31, 1975 **(Ger)**

METABOLISM

5-Hydroxytryptamine-14C and dexamphetamine-14C uptake by fundal sarcolemma preparations: effect of thermal and chemical alterations as indirect approach to the problem of the common receptor. Angelis L, et al. **Arch Int Pharmacodyn Ther** 216(1):51–6, Jul 75

Stimulation of calcium accumulation in cardiac sarcolemma by protein kinase. Sulakhe PV, et al. **Can J Biochem** 54(5):438–45, May 76

Events at the cardiac sarcolemma: localization and movement of contractile-dependent calcium. Langer GA. **Fed Proc** 35(6):1274–8, 1 May 76 (33 ref.)

Calcium binding and ATPase activities of heart sarcolemma. Dhalla NS, et al. **J Biochem (Tokyo)** 79(6):1345–50, Jun 76

On the sarcolemmal site of action of cardiac glycosides. Lüllmann H, et al. **Recent Adv Stud Cardiac Struct Metab** 9:311–28, 1976

Drug-induced changes in the superficially located stores of calcium in heart sarcolemma. Nayler WG, et al. **Recent Adv Stud Cardiac Struct Metab** 9:53–70, 1976 (46 ref.)

Control of ion movement by cardiac sarcolemma. Shine KI, et al. **Recent Adv Stud Cardiac Struct Metab** 9:21–31, 1976

Biochemical characterization of muscle sarcolemmal membranes. Sulakhe PV, et al. **Recent Adv Stud Cardiac Struct Metab** 4:195–208, 1974

Calcium binding to cardiac sarcolemma. Williamson JR, et al. **Recent Adv Stud Cardiac Struct Metab** 5:61–71, 1975

[Lipid levels in rabbit sarcolemma normally and during experimental muscular dystrophy] Sanina OL, et al. **Ukr Biokhim Zh** 47(1):26–30, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Sterol composition of sarcolemma in normal rabbits and in experimental muscular dystrophy] Sanina OL, et al. **Ukr Biokhim Zh** 47(6):747–51, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Sarcolemmal slow conductance increase of frog sartorius fibers during hyperpolarization. Takeda K. **Jpn J Physiol** 25(4):515–24, 1975

Heart sarcolemma as a dynamic excitable membrane. Dhalla NS, et al. **Recent Adv Stud Cardiac Struct Metab** 9:1–19, 1976 (117 ref.)

Role of sarcolemmal changes in cardiac pathophysiology. Dhalla NS, et al. **Recent Adv Stud Cardiac Struct Metab** 9:377–94, 1976

Techniques of skinned cardiac cells and of isolated cardiac fibers with disrupted sarcolemmas with reference to the effects of catecholamines and of caffeine. Fabiato A, et al. **Recent Adv Stud Cardiac Struct Metab** 9:1–94, 1976 (46 ref.)

Sarcolemmal alterations in cardiac hypertrophy and degeneration. Ferrans VJ, et al. **Recent Adv Stud Cardiac Struct Metab** 9:395–419, 1976

ULTRASTRUCTURE

Segmental fibre breakdown and defects of the plasmalemma in diseased human muscles. Schmalbruch H. **Acta Neuropathol (Berl)** 33(2):129–41, 8 Dec 75

The presence of transverse and axial tubules in the ventricular myocardium of embryonic and neonatal guinea pigs. Forbes MS, et al. **Cell Tissue Res** 166(1):83–90, 6 Feb 76

Freeze-replica observations on frog sartorius muscle. I. Sarcolemmal specialization. Ishikawa H, et al. **J Electron Microsc (Tokyo)** 24(2):97–107, 1975

The tubular systems of myocardial cells: ultrastructure and possible function. Sperelakis N, et al. **Recent Adv Stud Cardiac Struct Metab** 4:163–94, 1974 (82 ref.)

The sarcolemma of Aplysia smooth muscle in freeze-fracture preparations. Prescott L, et al. **Tissue Cell** 8(2):248–58, 1976

SARCOLYSINE see **MELPHALAN**

SARCOMA

see related
ROUS SARCOMA VIRUS

Alveolar soft-part sarcoma: report of a case. Saha SP, et al. **Am Surg** 42(5):366–8, May 76

Polypoid sarcomas of the esophagus. A rare but potentially curable neoplasm. DeMeester TR, et al. **Ann Thorac Surg** 20(4):405–17, Oct 75

Maxillary sinus sarcomas. Case report and literature review. Prasanna NM, et al. **Can J Otolaryngol** 4(4):704–11, 1975

Growth rate of pulmonary metastases in human sarcomas. Band PR, et al. **Cancer** 36(2):471–4, Aug 75

Sarcoma of the prostate. Schmidt JD, et al. **Cancer** 37(4):1908–12, Apr 76

Soft tissue sarcomas. Panel discussion. pp. 405–12. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**

Soft tissue sarcomas of the extremities: their natural history, treatment, and radiation sensitivity. Gilbert HA, et al. **J Surg Oncol** 7(4):303–17, 1975

In vitro cultivation of human tumor tissues. Billiau A, et al. **Oncology** 31(5–6):257–72, 1975

Primary cardiac tumours. **Scott Med J** 20(3):103–4, May 75

Cancer of the vagina. Davis PC, et al. **South Med J** 68(10):1239–42, Oct 75

[A new case of Riopelle's tumor] Lagache G, et al. **Chirurgie** 101(8):597–604, 11–25 Jun 75 (Eng. Abstr.) **(Fre)**

[Non-pigmented extrabulbar sarcomas of the eye-region (author's transl)] Busse H, et al. **Klin Monatsbl Augenheilkd** 168(02):168–75, Feb 76 (Eng. Abstr.) **(Ger)**

[Acute pain of the right costal region and dull pain of the left thigh: gallbladder cancer and undifferentiated sarcoma of the psoas major muscle (multiple malignant tumors)] Takahashi Z, et al. **Jpn J Clin Med** Spec No:836–7, 1246–9, 10 Apr 75 **(Jpn)**

[Sarcoma epithelioides] Witwicki T, et al. **Wiad Lek** 29(5):441–3, 1 Mar 76 **(Pol)**

[Metastatic sarcomas of the jaws] Hary M, et al. **Rev Chir [Stomatol]** 22(4):293–300, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Sarcoma of the spleen] Ionescu A, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):301–3, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Sarcoma of the urethra in a woman] Kushelev AE. **Urol Nefrol (Mosk)** (3):65–6, May–Jun 75 **(Rus)**

[Metachronously developed multiple primary tumors of the larynx] Lazo VV. **Vestn Otorinolaringol** (3):101–3, May–Jun 74 **(Rus)**

ANALYSIS

Immunoglobulins and other proteins isolated from the surface of human tumor cells. pp. 499–521. Romsdahl MM, et al. **In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.**

BLOOD

Copper and zinc levels in serum from human patients with sarcomas. Fisher GL, et al. **Cancer** 37(1):356–63, Jan 76

BLOOD SUPPLY

[Resection and plastic surgery of the arteries in malignant tumors of soft tissues of the lower limbs] Krakovskii NI, et al. **Vestn Khir** 116(2):102–6, Feb 76 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Sarcoma after intramuscular iron injection. Greenberg G. **Br Med J** 1(6024):1508–9, 19 Jun 76

[Experimental ovarian neoplasms. (3). Studies of neoplastic development induced by chemical carcinogen, DMBA] Yakushiji M, et al. **Acta Med (Fukuoka)** 45(3):141–6, Jul 75 (Eng. Abstr.) **(Jpn)**

[Histogenesis of sarcomas, induced by plastic films, in murine radiation chimeras] Moĭzhess TG, et al. **Biull Eksp Biol Med** 81(5):587–9, May 76 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

The unique association of mammary stromal sarcoma with intraductal carcinoma. Seemayer TA, et al. **Cancer** 36(2):599–605, Aug 75

Cerebrospinal fluid otorrhea due to undifferentiated malignant mesenchymal cell tumor of the middle ear region: a case report. Kajikawa H, et al. **Hiroshima J Med Sci** 23(4):211–22, Dec 74

Simultaneous occurrence of soft-tissue sarcoma and parotid-gland tumours: A new syndrome? Boddie AW Jr, et al. **Lancet** 2(7893):1353–4, 7 Dec 74

Granulocytic sarcoma: nodal infiltration in chronic granulocytic leukemia. Case report. Kardinal CG, et al. **Mo Med** 73(6):268–70, Jun 76

[Sarcomas occurring on fibrous dysplasia of bone. Apropos of a complex hemimelic form, with a review of the literature] Abelanet R, et al. **Rev Chir Orthop** 61(3):179–90, Apr–May 75 (Eng. Abstr.) **(Fre)**

[Eosinophilia and sarcoma of the small intestine (author's transl)] Riemann JF, et al. **Med Klin** 71(21):917–21, 21 May 76 (Eng. Abstr.) **(Ger)**

[Sarcoma uteri and neurofibrosarcoma in a case of Recklinghausen's disease] Kubista E, et al. **Zentralbl Gynaekol** 97(22):1398–402, 1975 (Eng. Abstr.) **(Ger)**

[Giant fusocellular sarcoma of the ileum perforated into the peritoneal cavity] Maros T, et al. **Rev Chir [Chir]** 24(6):447–9, Nov–Dec 75 **(Rum)**

[Complications of sarcoma of the small intestine] Borukhovskiĭ ASh. **Khirurgiia (Mosk)** (9):60–2, Sep 75 **(Rus)**

[Reactive hyperplasia of the lymphatic system in sarcoma of bone and tumors of the small pelvis] Kherobian FA, et al. **Med Radiol (Mosk)** 20(8):46–8, Aug 75 **(Rus)**

CONGENITAL

Congenital sarcoma of the hand (a case report). Evans JP, et al. **W Va Med J** 72(3):58–60, Mar 76

DIAGNOSIS

Proceedings: Periadventitial sarcoma of the brain: a simulator of multiple sclerosis. Entzian W, et al. **Acta Neurochir (Wien)** 31(3–4):294–5, 1975

Myositis ossificans circumscripta: a benign lesion with a malignant differential diagnosis. Goldman AB. **Am J Roentgenol** 126(1):32–40, Jan 76

Proceedings: Sarcomatous chest wall tumour with good prognosis. Ahmed A, et al. **Arch Dis Child** 50(8):665–6, Aug 75

Sarcoma resembling Burkitt's tumour. Handa VK, et al. **J Indian Med Assoc** 65(2):52–3, 16 Jul 75

Value of exploratory orbitotomy for diagnosis of orbital

tumours. Mennig H. **Mod Probl Ophthalmol** 14:562–4, 1975

The use of bone and brain scans as screening procedures in patients with malignant lesions. Felix EL, et al. **Surg Gynecol Obstet** 141(6):867–9, Dec 75

[Diagnosis and evaluation of cervico-facial cancers in children] Brugere J, et al. **Arch Fr Pediatr** 33(6):621–35, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[Pseudosarcomatous leiomyomas of the uterus. Fusiform cell myomas, plexiform myomas and myomas with nuclear anomalies] Philippe E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):657–70, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Role of dynamic telethermography in sarcomas of the bone and soft tissues] Amalric R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:53–4, 1975 **(Fre)**

[Primary sarcoma of the ureter. Study of literature apropos of a personal case] Giraud B, et al. **J Urol Nephrol (Paris)** 81(7–8):563–78, Jul–Aug 75 (24 ref.) **(Fre)**

[Informational value and application of the selective external angiography in malignant facial tumors (author's transl)] Lins E, et al. **Laryngol Rhinol Otol (Stuttg)** 55(1):62–5, Jan 76 (Eng. Abstr.) **(Ger)**

[Prognosis of paratesticular sarcoma: report on 3 cases] Margerger M Jr, et al. **Z Urol Nephrol** 68(7):473–8, Jul 75 **(Ger)**

[Malignant tumor (sarcoma) on a fetal neck, diagnosed during pregnancy by means of ultrasonics] Bulić M, et al. **Zentralbl Gynaekol** 97(12):747–53, 1975 (Eng. Abstr.) **(Ger)**

[Sarcoma of the clivus. Diagnosis and therapy] Gajno MT, et al. **Minerva Pediatr** 27(38):2128–36, 1 Dec 75 (Eng. Abstr.) **(Ita)**

[Diagnostic difficulties in epithelioid sarcoma] Gaspa L, et al. **Pathologica** 67(973–974):513–8, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Diagnosis and management of non-epithelial neoplasms of the stomach. 1. Symptoms of sarcoma of the stomach] Takase Y, et al. **Jpn J Gastroenterol** 72(12):1556–62, Dec 75 (Eng. Abstr.) **(Jpn)**

[Clinico-radiological diagnosis of sarcoma of the urogenital sinus in children] Văleanu A, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(2):133–40, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Endoscopic semeiotics and the diagnosis of sarcomas of the stomach] Savinkin IuN, et al. **Khirurgiia (Mosk)** (9):5–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Case of primary sarcoma of the pericardium] Romanovskaia AI, et al. **Ter Arkh** 47(10):121–4, 1975 (Eng. Abstr.) **(Rus)**

[Polymorphocellular brain sarcoma with metastases into the lung] Chernii IaM. **Vrach Delo** (12):102–5, Dec 75 **(Rus)**

[Alveolar tongue sarcoma] Pinol Aguade J, et al. **Med Cutan Iber Lat Am** (1):49–61, 1974 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

A phase II study of intravenously- administered methyl CCNU in the treatment of advanced sarcomas. Chang P, et al. **Cancer** 37(2):615–9, Feb 76

Advances in chemotherapy for gynecologic cancer. Smith JP, et al. **Cancer** 36(2):669–74, Aug 75

Chemotherapy of sarcomas. Wilbur JR, et al. **Cancer** 36(2):765–9, Aug 75

Alternating administration of adriamycin (NSC-123127) and vincristine (NSC-67574)-actinomycin D (NSC-3053) in advanced sarcomas. Douglass HO Jr, et al. **Cancer Chemother Rep** 59(5):1045–7, Sep–Oct 75

Combination chemotherapy with DTIC (NSC-45388) in advanced malignant melanoma, soft tissue sarcomas, and Hodgkin's disease. Beretta G, et al. **Cancer Treat Rep** 60(2):205–11, Feb 76

Role of DTIC (NSC-45388) in the chemotherapy of sarcomas. Gottlieb JA, et al. **Cancer Treat Rep** 60(2):199–203, Feb 76

Sarcoma chemotherapy. pp. 445–54. Gottlieb JA, et al. **In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.** (13 ref.)

The effect of treatment on lymphomas and childhood solid tumours. Malpas JS. **J R Coll Physicians Lond** 10(2):183–93, Jan 76

Adriamycin: a new effective agent in the therapy of disseminated sarcomas. Benjamin RS, et al. **Med Pediatr Oncol** 1(1):63–76, 1975

The management of far-advanced human and animal tumors by perfusion. Garas J. **Panminerva Med** 18(1–2):3–7, Jan–Feb 76

[Therapeutic trends in pediatric oncology. Observations during a trip through oncologic centers of the USA] Göbel FJ. **Med Welt** 6(35):1535–41, 29 Aug 75 **(Ger)**

[Clinical evaluation of Peptichemio in some hemoblastoses and solid tumors] Pacilio G, et al. **G Ital Chemioter** 21(1):22–7, Jan–Jun 74 **(Ita)**

[Dimethyl-triazeno-imidazol-carboxamide (DTIC)—a new cytostatic agent] Klepp O. **Tidsskr Nor Laegeforen** 95(27):1550–1, 30 Sep 75 **(Nor)**

[Therapeutic use of carminomycin in soft tissue sarcomas] Perevodchikova NI, et al. **Antibiotiki** 21(7):657–60, Jul 76 (Eng. Abstr.) **(Rus)**

[Role of the antineoplastic antibiotic adriamycin in the chemotherapy of patients with sarcomas] Perevodchikova NI, et al. **Vestn Akad Med Nauk SSSR** (2):67–73, 1976 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Multiphasic incidence of foreign body-induced sarcomas. Brand KG, et al. **Cancer Res** 36(10):3681–3, Oct 76

Sarcoma arising in irradiated jawbones. Possible relationship with previous non-malignant bone lesions. Report of 6 cases and review of the literature. De Lathouwer C, et al. **J Maxillofac Surg** 4(1):8–20, Mar 76

Sarcoma associated with dacron prosthetic material: case report and review of the literature. O'Connell TX, et al. **J Thorac Cardiovasc Surg** 72(1):94–6, Jul 76

Thorotrast-induced spindle cell sarcoma and hepatic cholangiocarcinoma in Syrian hamsters. Mori T, et al. **Riso Rep** (294):267–80, Jun 73

[Late complications of rxtherapy; actinic sarcoma(author's transl)] Buffat JD. **Praxis** 64(36):1139–41, 9 Sep 75 (Eng. Abstr.) **(Fre)**

[Sarcomas associated with Paget's disease] Morlock G, et al. **Rev Rhum Mal Osteoartic** 42(11):669–79, Nov 75 (Eng. Abstr.) **(Fre)**

[Histological aspects of the sarcomatous degeneration of bone in Paget's disease] Rubens-Duval A. **Rev Rhum Mal Osteoartic** 42(11):663–8, Nov 75 (Eng. Abstr.) **(Fre)**

[Sarcomatous and leukemic forms of Waldenström's macroglobulinemia] Dao C, et al. **Sem Hop Paris** 51(48):2935–42, 9 Dec 75 (Eng. Abstr.) **(Fre)**

[Radiation-induced sarcoma] Manes E, et al. **Chir Organi Mov** 62(5):579–82, 1975 (Eng. Abstr.) **(Ita)**

[Sarcomatous development as an unusual and severe complication of Paget's disease] Venturoli L, et al. **Minerva Med** 67(11):694–6, 3 Mar 76 **(Ita)**

FAMILIAL & GENETIC

Letter: Familial breast cancer, soft-tissue sarcomas, and other neoplasms. Li FP, et al. **Ann Intern Med** 83(6):833–4, Dec 75

Distinctive banded marker chromosomes of human tumor cell lines. Nelson-Rees WA, et al. **Int J Cancer** 16(1):74–82, 15 Jul 75

Cellular immunity to tumor-associated antigens in sarcoma patients and their relatives. Boddie AW Jr, et al. **Surg Forum** 26:154–6, 1975

IMMUNOLOGY

Abnormalities of complement and its components in patients with acute leukemia, Hodgkin's disease, and sarcoma. Lichtenfeld JL, et al. **Cancer Res** 36(10):3678–80, Oct 76

A comparative study on in vitro cytotoxic reactions of lymphocytes from normal donors and patients with sarcomas to cultured tumor cells. Kay HD, et al. **Clin Immunol Immunopathol** 5(2):218–34, Mar 76

A search for antibodies against human sarcoma cells in patients' sera by indirect immunofluorescence on fixed cells. Laprevotte I, et al. **Eur J Cancer** 11(10):757–62, Oct 75

Fetal antigen expression on chemically induced tumours and their relationship to alpha-fetoprotein. pp. 181–9. Baldwin RW, et al. **In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.**

Detection of human tumor-associated antigens by the leukocyte migration in agarose assay. Boddie AW Jr, et al. **Int J Cancer** 18(2):161–7, 15 Aug 76

Human tumor—lymphocyte interaction in vitro: blastogenesis correlated to detectable immunoglobulin in the biopsy. Ványa F, et al. **Int J Cancer** 16(1):113–24, 15 Jul 75

Lymphocyte stimulation by autologous tumor cells in the presence of serum from the same patient or from healthy donors. Ványa F, et al. **Int J Cancer** 16(5):850–60, 15 Nov 75

H-2-like specificities of foreign haplotypes appearing on a mouse sarcoma after vaccinia virus infection. Garrido F, et al. **Nature** 259(5540):228–30, 22 Jan 76

Investigation of the inhibitory activity of some mycobacterial strains on growth of the intratracheally transplanted Deals' sarcoma in guinea pigs. Schwartz E, et al. **Neoplasma** 23(2):137–50, 1976

In vitro studies of cell mediated immunity to human sarcomas. Rella W, et al. **Osterr Z Onkol** (3–4):89–96, 1974

Isolation of an SV40 induced sarcoma transformation associated antigen. Brawn RJ, et al. **Res Commun Chem Pathol Pharmacol** 14(3):551–65, Jul 76

Presence of human tumor-associated antigen(s) in urine of patients with cancer. Gupta RK, et al. **Surg Forum** 26:158–60, 1975

OCCURRENCE

[Proceedings: Incidence and distribution of thyroid gland tumors in surgery and autopsy material] Heitz P, et al. **Verh Dtsch Ges Pathol** 59:452, 1975 **(Ger)**

PATHOLOGY

Plasma membrane structures of medulloblastoma and cerebellar sarcoma. Tani E, et al. **Acta Neuropathol (Berl)** 32(3):257–67, 27 Aug 75

Non-myogenic tumors involving skeletal muscle. A survey with special reference to alveolar soft part sarcoma. Delaney WE. **Ann Clin Lab Sci** 5(4):236–41, Jul–Aug 75

Squamous carcinoma of bladder with pseudosarcomatous stroma. Jao W, et al. **Arch Pathol** 99(9):461–6, Sep 75

Granular cell tumors of the heart. Fenoglio JJ, et al. **Arch Pathol Lab Med** 100(5):276–8, May 76

Granular cell myoblastoma of the hand: report of three new cases with aggressive behavior in one. Fierro FJ, et al. **Bull Hosp Joint Dis** 36(2):121–9, Oct 75

Celar cell sarcoma with melanin pigment. Bearman RM, et al. **Cancer** 36(3):977–84, Sep 75

Transforming factors in human sarcoma cells in tissue culture. Dmochowski L, et al. **Clin Orthop** (117):327–43, Jun 76

Nuclear projections in tumour cells and large chromosome markers. Castoldi GL, et al. **Experientia** 32(7):856–7, 1976

Sarcomas of the larynx. pp. 479–84. Friedmann I. **In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.**

Laryngeal sarcoma. pp. 485–8. Krajina Z. **In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.**

Pathology and behavior of soft tissue sarcomas. pp. 385–91. Rosai J. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**

Malignant tumours in infancy and childhood in the maxillo-facial region. Horch HH, et al. **J Maxillofac Surg** 4(3):157–63, Sep 76

Cerebellar sarcoma associated with malignant astrocytoma: a first case report in Thailand. Chuahirun S, et al. **J Med Assoc Thai** 59(3):132–5, Mar 76

Alveolar soft-part sarcoma in the oral cavity: report of a case. Olson RA, et al. **J Oral Surg** 34(1):73–6, Jan 76

Alveolar soft part sarcoma. An electron microscopic study. Unni KK, et al. **Mayo Clin Proc** 50(10):591–8, Oct 75

Sarcomas of the vagina. Davos I, et al. **Obstet Gynecol** 47(3):342–50, Mar 76

Epithelioid sarcoma of the vulva. Gallup DG, et al. **Obstet Gynecol** 48(1 Suppl):14S–17S, Jul 76

Cell cycle progression of murine sarcoma cells after x irradiation or heat shock. Kal HB, et al. **Radiology** 117(1):215–7, Oct 75

Principles of diagnosis and management of soft tissue sarcomas. Das Gupta TK, et al. **Surg Annu** 7:115–36, 1975 (64 ref.)

Primary sarcoma of the lung. Cameron EW. **Thorax** 30(5):516–20, Oct 75

A light and electron microscopic study of endometrial sarcomas of the uterus. Böcker W, et al. **Virchows Arch [Pathol Anat]** 368(2):141–56, 20 Oct 75

[Primary sarcoma of the uterine tube] Vasilev B, et al. **Akush Ginekol (Sofiia)** 15(2):157–8, 1976 (Eng. Abstr.) **(Bul)**

[Sarcoma of the prostate in an infant] Basbous D, et al. **Arch Anat Cytol Pathol** 24(3):241–7, 1976 **(Fre)**

[Cardiac sarcoma (with Anitschkow's cells?) propagated TO The pulmonary artery. Morphological and ultrastructural study] Chomette G, et al. **Arch Anat Pathol (Paris)** 23(3):237–40, 1975 **(Fre)**

[Uterine tumors of mesenchymatous origin: problem of their definition and classification] Van Bogaert LJ, et al. **Arch Anat Pathol (Paris)** 23(3):185–92, 1975 (20 ref.) (Eng. Abstr.) **(Fre)**

[Bronchial lesions in primary sarcoma of the lung] Bellissimo U, et al. **Bronches** 25(5):316–23, Sep–Oct 75 **(Fre)**

[Malignant granular-cell tumor of the cerebral white matter: morphological, cytophotometrical and neurochemical studies (author's transl)] Ule G, et al. **Acta Neuropathol (Berl)** 32(2):143–55, 11 Aug 75 (Eng. Abstr.) **(Ger)**

[Carcinosarcoma of the larynx (author's transl)] Schmidt-Bäumler U, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):772–7, Sep 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Ameloblastic fibroma and its sarcomatous degeneration] Remagen W, et al. **Verh Dtsch Ges Pathol** 59:489, 1975 **(Ger)**

[Distinction of melanoma of soft parts from clear-cell sarcoma of tendons and aponeuroses. A histopathological and electron microscopic study (author's transl)] Tsueyoshi M. **Fukuoka Acta Med** 66(11):666–81, 25 Nov 75 (Eng. Abstr.) **(Jpn)**

[A case of sarcoma arising from the pulmonary artery valve, presenting multiple tumor-like shadows (author's transl)] Kimura M, et al. **Jpn J Thorac Dis** 13(2):111–5, Feb 75 (Eng. Abstr.) **(Jpn)**

[Heart neoplasms] Sezai S. **Jpn J Thorac Surg** 29(1):11–21, Jan 76 (Eng. Abstr.) **(Jpn)**

[The spreading of sarcoma in the maxilla depending on its localization] Misaev KD. **Stomatologiia (Mosk)** 54(6):76–7, Nov–Dec 75 **(Rus)**

[Morphometric indices in sarcomagenesis in the breast] Fiks AF. **Vopr Onkol** 21(10):13–5, 1975 (Eng. Abstr.) **(Rus)**

[Primary multiple sarcoma of the brain and spinal cord] Godlevskaia MA, et al. **Zh Nevropatol Psikhiatr** 75(4):493–6, 1975 (Eng. Abstr.) **(Rus)**

[Sarcoma of the corpus uteri] Zaretskii PA. **Pediatr Akush Ginekol** (1):58–60, Jan–Feb 75 **(Ukr)**

PHYSIOPATHOLOGY

Mechanism of action of BCG vaccine on neoplastic proliferation and host immune responses. Hakim AA, et al. **J Pharm Sci** 65(3):339–43, Mar 76

RADIOGRAPHY

Primary and secondary pulmonary artery neoplasia

mimicking acute pulmonary embolism. Olsson HE, et al. **Radiology** 118(1):49–53, Jan 76

Alveolar soft part sarcoma. Blumberg MB, et al. **South Med J** 69(3):282–5, Mar 76

[Pseudosarcomatous hyperostosis in osteogenesis imperfecta (author's transl)] Kolář J, et al. **Cesk Radiol** 30(1):20–6, Jan 76 (Eng. Abstr.) **(Cze)**

[Radiological aspects of primary sarcoma of the lung] Taliercio E, et al. **Bronches** 25(3):1889–204, May–Jun 75 **(Fre)**

[Contribution to the radiological diagnosis of primary retroperitoneal sarcomas in adults (author's transl)] Heuch F, et al. **Radiologe** 15(7):287–96, Jul 75 (Eng. Abstr.) **(Ger)**

[A case of sarcoma of the talus giving the radiographic appearance of a 'cyst' (author's transl)] Chen V, et al. **Z Orthop** 113(6):1027–31, Dec 75 (Eng. Abstr.) **(Ger)**

[5 cases of uterine sarcoma] Fortuna A, et al. **Minerva Ginecol** 27(12):1037–44, Dec 75 (Eng. Abstr.) **(Ita)**

[A calvalial metastasis of alveolar soft part sarcoma (author's transl)] Takasawa H, et al. **Neurol Surg (Tokyo)** 4(1):79–87, Jan 76 **(Jpn)**

[Significance of lymphography in the detection of metastases of bone tumors] Belan A, et al. **Med Radiol (Mosk)** 20(8):48–9, Aug 75 **(Rus)**

[Radioangiography with subtraction in the diagnosis of tumors and inflammation of the bone] Tregubov GI. **Med Radiol (Mosk)** 20(8):49–51, Aug 75 **(Rus)**

[X-ray diagnosis of lung neoplasms in children] Kasaev AA. **Vestn Khir** 114(2):87–90, Feb 75 **(Rus)**

RADIOTHERAPY

Malignant tumours of the nasopharynx. Bertelsen K, et al. **Acta Radiol [Ther] (Stockh)** 14(2):177–86, Arp 75

Treatment, results and prognostic factors in stage I and II sarcomas of the corpus uteri. Vongtama V, et al. **Am J Roentgenol** 126(1):139–47, Jan 76

Radiation therapy of soft tissue sarcomas. Suit HD, et al. **Cancer** 36(2):759–64, Aug 75

Soft tissue sarcomas. **Clin Bull** 5(2):56–63, 1975

Treatment of connective tissue sarcomas by local excision followed by radioactive implant. Collins JE, et al. **Clin Radiol** 27(1):39–41, Jan 76

Radiotherapy of spontaneous fibrous connective-tissue sarcomas in animals. Hilmas DE, et al. **J Natl Cancer Inst** 56(2):365–8, Feb 76

Letter: Radiation therapy. Lewis GC Jr. **Obstet Gynecol** 47(2):252–3, Feb 76

Uterine sarcoma. Belgrad R, et al. **Radiology** 114(1):181–8, Jan 75

SURGERY

Surgical treatment of 297 soft tissue sarcomas of the lower extremity. Shiu MH, et al. **Ann Surg** 182(5):597–602, Nov 75

Operative management of soft tissue sarcomas. pp. 393–9. Fortner JG.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

The management of soft tissue sarcomas in adults: surgery and postoperative radiotherapy. pp. 401–4. Lindberg RD.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

The management of soft-tissue sarcomas of the extremities. Simon MA, et al. **J Bone Joint Surg [Am]** 58(3):317–27, Apr 76

[Resection of pulmonary metastases (author's transl)] Vanderhoeft P, et al. **Acta Chir Belg** 74(6):594–601, Nov 75 **(Fre)**

[Sarcomas of the gallbladder] Tricott JF, et al. **J Chir (Paris)** 111(4):443–450, Apr 76 (Eng. Abstr.) **(Fre)**

[Cure of an adult prostatic sarcome (author's transl)] Léger P. **J Urol Nephrol (Paris)** 81(7–8):527–32, Jul–Aug 75 **(Fre)**

[Epitheloid sarcoma its importance for the surgical practice] Roitzsch E, et al. **Zentralbl Chir** 100(19):1210–2, 1975 **(Ger)**

[Hemipelvectomy and its anesthesiological management] Iakovlev GIa, et al. **Vestn Khir** 114(1):115–9, Jan 75 (Eng. Abstr.) **(Rus)**

THERAPY

Soft tissue sarcomas of the extremity. Multidisciplinary therapy employing hyperthermic perfusion. Stehlin JS Jr, et al. **Am J Surg** 130(6):643–6, Dec 75

Limb salvage from a multidisciplinary treatment approach for skeletal and soft tissue sarcomas of the extremity. Morton DL, et al. **Ann Surg** 184(3):268–78, Sep 76

Prospectives for immunotherapy for human sarcomas. pp. 417–43. Sinkovics JG, et al.
In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c. (95 ref.)

The management of soft tissue sarcomas in adults: surgery and postoperative radiotherapy. Linberg RD, et al. **J Radiol Electrol Med Nucl** 56(11):761–7, Nov 75

Oncogenesis and other late effects of cancer treatment in children. Meadows AT, et al. **Radiology** 114(1):175–80, Jan 75

Multimodality therapy in the treatment of regionally inoperable melanomas and sarcomas. Yeager RA, et al. **Surg Gynecol Obstet** 141(3):367–70, Sep 75

VETERINARY

[Primary sarcoma of the gallbladder in a dog] Geisel O. **Berl Munch Tieraerztl Wochenschr** 89(16):316–7, 15 Aug 76 **(Ger)**

[Diagnosis and treatment of transmissible sarcoma] Osipov NE, et al. **Veterinariia** (7):97–8, Jul 76 **(Rus)**

SARCOMA 37

ANALYSIS

[Study of the changes in the properties of ascitic fluid from S-37 tumors under the action of a constant magnetic field using the method of erythrocyte dispersion analysis] Aristarkhov VM, et al. **Izv Akad Nauk SSSR [Biol]** (6):932–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Hydroxyurea synchronization of cellular proliferation in the esophageal epithelium of mice with tumors] Demskiĭ VI. **Biull Eksp Biol Med** 81(6):760–2, Jun 76 (Eng. Abstr.) **(Rus)**

METABOLISM

[Circadian rhythm of the mitotic activity and of the number of nuclei synthesizing DNA in sarcoma 37 in white mice] Demskiĭ VI. **Biull Eksp Biol Med** 80(10):102–4, Oct 75 (Eng. Abstr.) **(Rus)**

SARCOMA 180, CROCKER

[Utilization of rubidium 86 for humoral cytotoxicity tracing of sarcoma 180] Chollet P, et al. **C R Soc Biol (Paris)** 169(2):301–5, 1975 (Eng. Abstr.) **(Fre)**

ANALYSIS

Base composition of terminal polynucleotides isolated from mouse ascite nucleolar RNA. Lee JC. **Biochem Biophys Res Commun** 66(4):1257–62, 27 Oct 75

COMPLICATIONS

[Influence of the tumor process induced by 3-methylcholanthrene and benz(A)pyrene on the development of sarcoma 180 transplants] Kozlova IN. **Patol Fiziol Eksp Ter** (3):77–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A search for antitumor compounds. XI. Biologic studies. Antitumor properties of 19 new 9-aminoacridine and 1-or 3-nitro-9-aminoacridine derivatives. Hrabowska M, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):249–58, 1976

The effect of dead cells on the activity of actinomycin D against mouse sarcoma 180 ascites. Mendecki J, et al. **Cancer Res** 35(11 Pt 1):3122–5, Nov 75

Antitumor activity of polysaccharides from Serratia marcescens. Ikekawa T, et al. **Gann** 66(3):317–8, Jun 75

Effect of antitumor agents on sarcoma-180 tumor cells transplanted to liver, kidney, and lung. Umezawa I, et al. **Gann** 66(3):291–303, Jun 75

Mouse strain difference in the expression of antitumor activity of PS-K. Yoshikumi C, et al. **Gann** 66(6):649–54, Dec 75

Methotrexate and folic acid effect in normal and sarcoma 180 bearing mice. Motyčka K, et al. **Neoplasma** 22(5):507–18, 1975

Tumour inhibitory effects of crude extracts from Poterium spinosum. Durodola J. **Planta Med** 27(3):231–4, May 75

Antitumour effects against sarcoma 180 ascites of fractions of Annona senegalensis. Durodola JI. **Planta Med** 28(1):32–6, Aug 75

[Sensitivity tests of malignant tumours against cytostatic agents in vitro and in vivo/studies on the mouse sarcoma 180 (author's transl)] Volm M, et al. **Arzneim Forsch** 25(7):1042–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Animal experiment studies on the use of ozone in irradiated and non-irradiated tumors. I. Intravenous ozone therapy of Crocker's sarcoma 180 and Ehrlich carcinoma in the white mouse] Grundner HG, et al. **Strahlentherapie** 151(4):372–81, Apr 76 (Eng. Abstr.) **(Ger)**

[Tumour inhibitory N-(bis-(2-chlorethyl)-aminomethyl)-urethanes (author's transl)] Schönenberger H, et al. **Z Krebsforsch** 84(3):277–40, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Effect of VER I, synthetic derivative of verucarine E, on the growth of transplantable sarcoma 180 in mice] Nowak HF. **Patol Pol** 27(2):115–25, 1976 (Eng. Abstr.) **(Pol)**

[Reduced sensitivity of the liver in tumor-bearing animals to the action of hydrocortisone] Blinov VA, et al. **Patol Fiziol Eksp Ter** (5):59–64, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Inosine 5'-monophosphate dehydrogenase from sarcoma 180 cells-substrate and inhibitor specificity. Miller RL, et al. **Biochem Pharmacol** 25(8):883–8, 15 Apr 76

Adenosine phosphyorylase activity as distinct from inosine-guanosine phosphorylase activity in Sarcoma 180 cells and rat liver. Divekar AY. **Biochim Biophys Acta** 422(1):15–28, 23 Jan 76

Enzymatic degradation of tumor cells damaged by antibody plus complement. Reif AE, et al. **J Immunol** 117(2):597–601, Aug 76

Interaction of Vibrio cholerae toxin with sarcoma 180 cell membranes. Wheeler MA, et al. **J Infect Dis** 133 Suppl:89–96, Mar 76

Cholera toxin activation of adenylate cyclase in cancer cell membrane fragments. Bitensky MW, et al. **Proc Natl Acad Sci USA** 72(7):2572–6, Jul 75

IMMUNOLOGY

Restoration of antibody-forming capacities by PS-K in tumor-bearing mice. Nomoto K, et al. **Gann** 66(4):365–74, Aug 75

Quantitative study of the effect of previous Trichinella spiralis infection on sarcoma 180 ascitic tumor formation in mice. Lubiniecki AS, et al. **Tropenmed Parasitol** 26(3):329–34, Sep 75

METABOLISM

Strand-scission of Sarcoma 180 tumor cell DNA induced by 1-formylisoquinoline thiosemicarbazone. Tsiftsoglou AS, et al. **Biochem Pharmacol** 24(17):1631–3, 1 Sep 75

Potentiation by guanine nucleosides of the growth-inhibitory effects of adenosine analogs on L1210 and sarcoma 180 cells in culture. Grindey GB, et al. **Cancer Res** 36(2 Pt 1):379–83, Feb 76

Properties of aryl hydrocarbon hydroxylase in microsomes of Morris hepatoma 5123D and the host liver. Watanabe M, et al. **Gann** 66(5):505–11, Oct 75

Studies of tumor metabolism—I: By use of Mössbauer spectroscopy and autoradiography of 153Sm. Friedman AM, et al. **Int J Nucl Med Biol** 3(1):37–40, Jan 76

MORTALITY

Lethal synergy between sarcoma-180/TG cells and vesicular stomatitis virus in mice. Deig EF, et al. **Proc Soc Exp Biol Med** 150(3):681–5, Dec 75

PATHOLOGY

Effects of adriamycin on surface properties of sarcoma 180 ascites cells. Murphree SA, et al. **Biochem Pharmacol** 25(10):1227–31, 15 May 76

Molecular changes in cell surface membranes resulting from trypsinization of sarcoma 180 tumor cells. Huggins JW, et al. **Biochim Biophys Acta** 426(4):630–7, 5 Apr 76

An electron-microscope study of the mode of cell death induced by cancer-chemotherapeutic agents in populations of proliferating normal and neoplastic cells. Searle J, et al. **J Pathol** 116(3):129–38, Jul 75

PHYSIOPATHOLOGY

Growth inhibition of sarcoma 180 induced by silica and talc. Kerr IB, et al. **Arch Geschwulstforsch** 45(3):255–8, 1975

THERAPY

Proceedings: Radiation and anti-tumour drugs. Barker-Grimshaw M, et al. **Br J Cancer** 32(6):757, Dec 75

Proceedings: In vivo investigations about the effects of radiation and/or drugs in normal tissue and in sarcoma-180. Porschen W, et al. **Br J Cancer** 32(6):753, Dec 75

Proceedings: Effect of microwaves combined with interferon and/or interferon inducers (poly I - poly C) on development of sarcoma 180 in mice. Szmigielski S, et al. **J Microwave Power** 11(2):174–5, Jun 76

SARCOMA, EWING'S

Ewing's sarcoma. Nesbit ME. **CA** 26(3):174–80, May–Jun 76

Ewing's sarcoma of the great toe. A case report. Dunn EJ, et al. **Clin Orthop** (116):203–8, May 76

[Clinical aspects, diagnosis and therapy of the Ewing's sarcoma in the maxillofacial region] Dieckmann J, et al. **Dtsch Zahnaerztl Z** 31(3):254–6, Mar 76 **(Ger)**

[Ewing's tumor (considerations on 20 cases)] Solarino G, et al. **Chir Organi Mov** 62(6):591–603, 1975 **(Ita)**

ANALYSIS

[Studies on acidic glycosaminoglycans of Ewing's sarcoma (author's transl)] Watanabe T. **Jpn J Clin Pathol** 24(2):148–52, Feb 76 **(Jpn)**

COMPLICATIONS

Ewing's sarcoma as a cause of the syndrome of inappropriate secretion of antidiuretic hormone. Zimbler H, et al. **J Clin Endocrinol Metab** 41(2):390–1, Aug 75

DIAGNOSIS

Pretreatment serum lactate dehydrogenase predicting metastatic spread in Ewing's sarcoma. Brereton HD, et al. **Ann Intern Med** 83(3):352–4, Sep 75

Ewing's tumor. Review of 73 cases. Nouri MM, et al. **Int Surg** 60(9):478–81, Sep 75

Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Fitzer PM, et al. **J Neurosurg** 44(5):608–12, May 76

Ewing's sarcoma. McLaughlin RE, et al. **Va Med Mon** 102(12):1062–7, Dec 76

[Differential diagnosis of hematogenic osteomyelitis and Ewing's sarcoma] Brunčić S, et al. **Lijec Vjesn** 97(2):92–4, Feb 75 (Eng. Abstr.) **(Cro)**

DRUG THERAPY

Advances in the management of musculoskeletal tumors in adolescents. Dyment PG. **Cleve Clin Q** 42(4):303–8, Winter 75 (20 ref.)

Therapy and prognosis of the Ewing–sarcoma. Kotz R, et al. **Osterr Z Onkol** (1):15–22, 1974

[Supplementary antiblastic polychemotherapy in localized malignant bone tumors. I. Ewing's sarcoma and osteosarcoma] Bacci G, et al. **Chir Organi Mov** 62(5):491–506, 1975 (Eng. Abstr.) **(Ita)**

MORTALITY

Ewing's tumour. A study of behaviour and treatment in forty–seven cases. Macintosh DJ, et al. **J Bone Joint Surg [Br]** 57(3):331–40, Aug 75

PATHOLOGY

Cytological characterization and histogenesis of Ewing's sarcoma. Kojima M. **Acta Pathol Jpn** 26(2):167–90, Mar 76

Extraskeletal neoplasm resembling Ewing's sarcoma. Angervall L, et al. **Cancer** 36(1):240–51, Jul 75

Thirteen year old girl with one month history of back pain and limp. Thatcher LG, et al. **SD J Med** 29(4):31–5, Apr 76

[Evaluative analyses of the course the disease may take in tumor patients (with special reference to the Ewing–sarcoma) (author's transl)] Kotz R, et al. **Osterr Z Onkol** (2):37–42, 1974 (Eng. Abstr.) **(Ger)**

[Proceedings: Demonstration of a rare case of Ewing's sarcoma involving the upper jaw] Köhler G, et al. **Verh Dtsch Ges Pathol** 59:488, 1975 **(Ger)**

RADIOTHERAPY

Prophylactic irradiation of the lung in Ewing's sarcoma. Mintz U, et al. **Chest** 70(03):393–5, Sep 76

Radiotherapy of Ewing's sarcoma. Local control with and without intensive chemotherapy. Chabora BM, et al. **Radiology** 120(3):667–71, Sep 76

THERAPY

Acute and late effects on normal tissues following combined chemo– and radiotherapy for childhood rhabdomyosarcoma and Ewing's sarcoma. Tefft M, et al. **Cancer** 37(2 Suppl):1201–17, Feb 76

The potential of combined modality approaches for the treatment of malignant bone tumors in children. Jaffe N. **Cancer Treat Rev** 2(1):33–53, Mar 75 (169 ref.)

Bone tumors: (A). Ewing's sarcoma. pp. 283–8. **In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.**

Ewing's sarcoma: a retrospective analysis of treatment results at the Princess Margaret Hospital, Toronto, 1960–73, with particular reference to total body radiation. pp. 265–77. Jenkin RD, et al. **In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.**

Adjunctive chemotherapy in Ewing's tumor: are controlled studies still essential? pp. 279–82. Sinks LF, et al. **In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.**

Management of malignant bone tumors in children and adolescents. Rosen G. **Pediatr Clin North Am** 23(1):183–213, Feb 76

Integrated therapy for Ewing's sarcoma. Johnson RE, et al. **Prog Clin Cancer** 6:95–7, 1975

[On the individualized, combined therapy of Ewing's sarcoma (author's transl)] Schwenk HU, et al. **Med Klin** 70(51–52):2069–74, 19 Dec 75 (Eng. Abstr.) **(Ger)**

SARCOMA, EXPERIMENTAL

Specificity of hormonal responsiveness in vitro. Effect of sex steroids on non–malignant rat cells compared with the effect on cells from rat tumours. Aspegren K. **Acta Pathol Microbiol Scand [A]** 84(2):198–200, Mar 76

Kinetic responses of murine sarcoma cells to radiation and hyperthermia in vivo and in vitro. Kal HB, et al. **Cancer Res** 36(6):1923–9, Jun 76

Dextrans and the formation of pulmonary metastases after intravenous tumour cell injection in rats non–sensitive to dextran. Ivarsson L, et al. **Eur Surg Res** 7(6):326–40, 1975

Isolation of nucleoli of tumour cells using citric acid–detergent mixture technique. Gulati PK, et al. **Indian J Biochem Biophys** 12(3):225–8, Sep 75

Establishment of two canine sarcoma cell lines: productive infection with feline leukemia virus. Chapman AL, et al. **J Natl Cancer Inst** 55(2):345–52, Aug 75

Light and electron microscopy of mouse lymphosarcoma LS/BL cells during the first hour after irradiation with x–rays. Tkadleček L, et al. **Neoplasma** 22(5):495–505, 1975

Relationship between RBE and depth dose for 23–MeV electrons. Vaeth JM, et al. **Radiol Clin (Basel)** 44(5):464–9, 1975

[Metastasis of sarcoma 45 and 536 following different methods of inoculation] Shinkarenko VS. **Biull Eksp Biol Med** 81(3):360–3, Mar 76 (Eng. Abstr.) **(Rus)**

[3–dimensional growth (spheroid formation) of tumor cells in diffusion chambers] Umanskii IuA, et al. **Tsitologiia** 27(5):557–9, May 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Purification by preparative electrophoresis and characterization of histone H2B from rat chloroleukaemia. Martinage A, et al. **Biochim Biophys Acta** 420(1):37–41, 20 Jan 76

Rat sequences of the Kirsten and Harvey murine sarcoma virus genomes: nature, origin, and expression in rat tumor RNA. Anderson GR, et al. **J Virol** 17(2):335–51, Feb 76

Insoluble collagen of methylcholanthrene induced sarcoma. Bańkowski E, et al. **Mol Cell Biochem** 8(1):23–30, 31 Jul 75

Purification of tumor associated antigens from a methylcholanthrene induced murine sarcoma as monitored by humoral cytotoxicity. Ristow SS, et al. **Prep Biochem** 5(5–6):479–93, 1975

[Preliminary studies of the mucopolysaccharide and glycoprotein content of the intercellular material of the Galliera sarcoma] Masala B, et al. **Boll Soc Ital Biol Sper** 52(10):678–84, 30 MAY 76 **(Ita)**

BLOOD

Bioassay for quantitating circulating tumor cells in a syngeneic mouse tumor system. Lee VW, et al. **Cancer Res** 36(6):2053–8, Jun 76

[Transcortin binding capacity in the blood plasma of rats with a growing sarcoma 45] Krauialis KI, et al. **Vopr Onkol** 22(4):75–8, 1976 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Changes in mouse blood pressure, tumor blood flow, and core and tumor temperatures following nembutal or urethane anesthesia. Johnson R, et al. **Radiology** 118(3):697–703, Mar 76

CHEMICALLY INDUCED

Demonstration of an inverse relationship between regenerative capacity and oncogenesis in the adult frog, Rana pipiens. Outzen HC, et al. **Adv Exp Med Biol** 64:383–6, 1975

Effects of manganese on carcinogenicity and metabolism of nickel subsulfide. Sunderman FW Jr, et al. **Cancer Res** 36(5):1790–800, May 76

Oncogenicity of K–region epoxides of benzo(A)pyrene and 7,12–dimethylbenz(A)anthracene. Flesher JW, et al. **Int J Cancer** 18(3):351–3, 15 Sep 76

The use of 2–deoxy–D–glucose to assess changes in tumor target cell membranes in vitro. Hadler NM, et al. **J Immunol Methods** 9(1):39–46, Nov 75

Nonimmunogenic sarcomas induced by 3–methylcholanthrene treatment of murine fibroblasts in diffusion chambers. Carbone G, et al. **J Natl Cancer Inst** 55(5):1195–7, Nov 75

[Experimental production of bone sarcomas in the rabbit by a single local injection of beryllium] Mazabraud A. **Bull Cancer (Paris)** 62(1):49–58, Jan–Mar 75 **(Fre)**

[The effect of hormones regulating calcium metabolism on the growth and metastasis of experimental tumors] Kashulina AP, et al. **Vopr Onkol** 21(5):87–91, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Use of synchronization induced by cyclophosphamide in a methylcholanthrene sarcoma with circadian proliferation to rational sequential chemotherapy. Focan C, et al. **Biomedicine [Express]** 23(6):230–5, 30 Jun 75

Effect of vitamin A on tumor development in burned, unburned, and glucocorticoid–treated mice inoculated with an oncogenic virus. Levine NS, et al. **Experientia** 31(11):1309–12, 15 Nov 75

Macrophage activation and anti–tumor activity of biologic and synthetic agents. Morahan PS, et al. **Int J Cancer** 17(1):82–9, 15 Jan 76

Growth and regrowth of an autogenous rat sarcoma: effects of nitrogen mustard. Post J, et al. **J Natl Cancer Inst** 55(3):713–5, Sep 75

Antitumor effect of 2–thio–4–hydrazinouracil on transplantable tumors. Golovinsky EV, et al. **Neoplasma** 22(3):255–8, 1975

The influence of N–(2–hydroxyethyl)–palmitamide on virus–induced sarcomas in chickens and Rauscher leukemia in mice. Svec P, et al. **Neoplasma** 22(5):519–24, 1975

Decreasing experimental metastasis formation with anticoagulation and chemotherapy. Hoover HC Jr, et al. **Surg Forum** 26:173–4, 1975

The optimal level of anticoagulation for decreasing experimental metastases. Hoover HC Jr, et al. **Surgery** 79(6):625–30, Jun 76

[Treatment of the DS–carcinosarcoma in the rat with ifosfamide/dimethylsulfoxide] von Ardenne M, et al. **Pharmazie** 30(9):602–5, Sep 75 **(Ger)**

[Antitumor properties of 2–phenazinylthioureidotyrosine] Sidorik OA, et al. **Mikrobiol Zh** 37(4):500–1, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

ENZYMOLOGY

Collagenolytic enzyme in solid Tawa sarcoma. Sakaki T, et al. **Gann** 67(1):67–73, Feb 76

Pyruvate kinase isozymes in various tissues of rat, and increase of spleen–type pyruvate kinase in liver by injecting chromatins from spleen and tumor. Muroya N, et al. **J Biochem (Tokyo)** 79(1):203–15, Jan 76

[Proteinases in the muscles of embryos and hens and and in transplantable muscle sarcoma] Khristov D, et al. **Eksp Med Morfol** 12(3):146–50, 1973 (Eng. Abstr.) **(Bul)**

[Subcellular localization, isoenzyme spectrum and properties of hexokinase from sarcoma M–1] Alexakhina NB, et al. **Vopr Med Khim** 21(6):609–13, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Activity of asparaginase and glutaminase of chickens with experimental sarcomatosis] Antonov VS, et al. **Ukr Biokhim Zh** 47(3):335–8, May–Jun 75 (Eng. Abstr.) **(Ukr)**

ETIOLOGY

In vivo interactions between murine leukemia and sarcoma viruses. Chieco–Bianchi L, et al. **Bibl Haematol** (40):613–20, 1975

Sarcomas induced in rats by feline RNA virus. Maruyama K, et al. **Bibl Haematol** (40):93–5, 1975

Spontaneous and chemically induced transformation of rat embryo cell cultures. Kirkland DJ, et al. **Br J Cancer** 31(3):329–37, Mar 75

Intradermal transplantation in mice of small numbers of sarcoma cells followed by tumor growth and regression. Dunham WB, et al. **Cancer Res** 36(1):189–93, Jan 76

Characterization of effector lymphocytes associated with immunity to murine sarcoma virus (MSV) induced tumors. I. Physical properties of cytolytic T lymphocytes generated in vitro and of their immediate progenitors. Plata R, et al. **J Immunol** 117(1):52–8, Jul 76

FAMILIAL & GENETIC

Karyotypes of vasoformative sarcomas arising from BALB/3T3 cells attached to polycarbonate plates. Yoshida MC, et al. **Cancer Res** 36(7 PT 1):2235–40, Jul 76

Minute chromatin bodies in a murine in vitro cell line. de Salum SB, et al. **J Natl Cancer Inst** 55(3):717–20, Sep 75

IMMUNOLOGY

Antigenic specificity of cell–mediated antitumor reaction in the MSV system. Leclerc JC, et al. **Bibl Haematol** (43):173–6, Oct 75

Immunological studies of tumors induced in sheep by injecting ovine cells transformed in vitro with feline sarcoma virus. Theilen GH, et al. **Bibl Haematol** (43):380–3, Oct 75

Virologic and immunologic properties and response to daunomycin and adriamycin of a non–regressing mouse tumor derived from MSV–induced sarcoma. Giuliani F, et al. **Biomedicine [Express]** 21(11):435–9, 20 Nov 74

Monocytosis associated with the growth of transplanted syngeneic rat sarcomata differing in immunogenicity. Eccles SA, et al. **Br J Cancer** 34(1):20–7, Jul 76

Studies on mouse Moloney virus induced tumours: I. The detection of p30 as a cytotoxic target on murine Moloney leukaemic spleen cells, and on an in vitro Moloney sarcoma line by antibody mediated cytotoxicity. Epstein LB, et al. **Br J Cancer** 31(5):499–512, May 75

Studies on FeSV induced sarcomata in sheep with particular reference to the regional lymphatic system. Hall JG, et al. **Br J Cancer** 32(6):639–59, Dec 75

Proceedings: The superadditive effects of x–rays and adoptively transferred immunity on mouse BP8 tumour cells in vivo. McBurney J, et al. **Br J Cancer** 32(6):764, Dec 75

Immune response to an allogeneic progressively growing solid tumor. Eggers AE. **Cancer Res** 36(6):2085–9, Jun 76

A comparative study on in vitro cytotoxic reactions of lymphocytes from normal donors and patients with sarcomas to cultured tumor cells. Kay HD, et al. **Clin Immunol Immunopathol** 5(2):218–34, Mar 76

Inhibition of tumor growth in vivo and in vitro by macrophages from rats treated with a streptococcal preparation, OK–432. Ishii Y, et al. **Gann** 67(1):115–9, Feb 76

Effect of Nocardia and Mycobacterium cell–wall skeleton on autochthonous tumor grafts. Tokuzen R, et al. **Gann** 66(4):433–5, Aug 75

Immunosuppressor T cells in tumor bearing host. Fujimoto S, et al. **Immunol Commun** 4(3):201–17, 1975

Role of a non–committed accessory cell in the in vivo suppression of a syngeneic tumour by immune lymphocytes. Simes RJ, et al. **Immunology** 29(2):343–51, Aug 75

Tumor inhibitory properties of anaerobic corynebacteria. pp. 91–4. Woodruff MF. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

Immunosuppressor T cells and their factors in tumor–bearing hosts. pp. 136–48. Fujimoto S, et al. **In: Singhal SK, Sinclair NR, ed. Suppressor cells in immunity. London, Univ of Western Ontario, 1975. QW 504 S9895s 1975.** (26 ref.)

Suppressor cells in murine sarcoma virus induced tumours. pp. 149–63. Gorczynski RM, et al. **In: Singhal SK, Sinclair NR, ed. Suppressor cells in**

immunity. London, Univ of Western Ontario, 1975. QW 504 S9895s 1975.

Rejection of tumor cells in vitro: a T-cell-mediated reaction. Berczi I, et al. **Int J Cancer** 16(4):665-74, 15 Oct 75

Stimulation of transplanted 3-methylcholanthrene-induced sarcomas in mice by specific immune ahd by normal serum. Biddle C. **Int J Cancer** 17(6):755-64, 15 Jun 76

Genetic control of oncogenesis by murine sarcoma virus Moloney pseudotype. II. A dominant epistatic susceptibility gene. Colombatti A, et al. **Int J Cancer** 16(3):435-41, 15 Sep 75

Genetic control of oncogenesis by murine sarcoma virus Moloney pseudotype. I. Genetics of resistance in AKR mice. Colombatti A, et al. **Int J Cancer** 16(3):427-34, 15 Sep 75

Detection of private and common tumor-associated antigens in murine sarcomas induced by different chemical carcinogens. Fritze D, et al. **Int J Cancer** 17(1):138-47, 15 Jan 76

Augmented immunogenicity of tumor cell membranes produced by surface budding viruses: parameters of optimal immunization. Gillette RW, et al. **Int J Cancer** 18(2):216-22, 15 Aug 76

Selective suppression of T-cell activity in tumor-bearing mice and its improvement by lentinan, a potent anti-tumor polysaccharide. Haba S, et al. **Int J Cancer** 18(1):93-104, 15 Jul 76

Increased lymphocyte-mediated destruction of tumor cells in microcytotoxicity assays seen after addition of inhibitors of protein synthesis. Hellström I, et al. **Int J Cancer** 16(5):830-9, 15 Nov 75

Mixed lymphocyte/tumor-cell interaction in a murine sarcoma virus (Moloney)-induced tumor system. Comparison between lymphoproliferation and lymphocyte cytotoxicity. Kirchner H, et al. **Int J Cancer** 17(3):362-9, 15 Mar 76

Characteristics of three strains of feline fibrosarcoma virus grown in cat and marmoset monkey cells. McDonald R, et al. **Int J Cancer** 17(3):396-406, 15 Mar 76

Genetic role of rat macrophage cytotoxicity against tumor. Miller GA, et al. **Int J Cancer** 18(2):168-75, 15 Aug 76

Specific anti-tumor responses of cultured immune spleen cells III. Further characterization of cells which synthesize factors with blocking and antiserum-dependent cellular cytotoxic (ADC) activities. Nelson K, et al. **Int J Cancer** 16(4):539-49, 15 Oct 75

In vitro synthesis of tumor-specific factors with blocking and antibody-dependent cellular cytotoxicity (ADC) activities. Nelson K, et al. **Int J Cancer** 16(6):932-41, 15 Dec 75

Alien histocompatibility determinants on the cell surface of sarcomas induced by methylcholanthrene. I. In vivo studies. Parmiani G, et al. **Int J Cancer** 16(5):756-67, 15 Nov 75

Production of tumor-specific inducer of cellular cytotoxicity by lethally irradiated mice. Pollack SB, et al. **Int J Cancer** 18(2):250-4, 15 Aug 76

Tumor-bound immunoglobulins. Evidence for the in vivo coating of tumor cells by potentially cytotoxic anti-tumour antibodies. Ran M, et al. **Int J Cancer** 17(1):90-7, 15 Jan 76

Characterization of non-producer human cells induced by Kirsten sarcoma virus. Rhim JS, et al. **Int J Cancer** 16(5):840-9, 15 Nov 75

Secondary specific immune response in vitro to MSV tumor cells. Senik A, et al. **Int J Cancer** 16(6):946-59, 15 Dec 75

A long-term 51chromium assay for in vitro cell-mediated tumor immunity. Correlation with simultaneously performed microplate assays. Steele G Jr, et al. **Int J Cancer** 16(4):682-93, 15 Oct 75

Tumour metastasis in mice with reduced immune reactivity. III. Studies with three weakly antigenic tumours in thymectomized and/or sub-lethally irradiated mice. Suurküla M, et al. **Int J Cancer** 16(3):404-12, 15 Sep 75

Detection of anti-tumor antibody in virally induced tumors and its relationship to tumor growth. Ting CC. **Int J Cancer** 18(2):205-15, 15 Aug 76

Serologically detectable specific and cross-reactive antigens on the membrane of a polyoma virus-induced murine tumor. Witz IP, et al. **Int J Cancer** 18(2):243-9, 15 Aug 76

Characterization of an early cytotoxicity-inducing factor in sera of Japanese quails after inoculation with Rous sarcoma virus. Yoshikawa Y, et al. **Int J Cancer** 17(4):525-32, 15 Apr 76

Cell-mediated cytotoxicity to chemically-induced rat tumours. Zöller M, et al. **Int J Cancer** 16(4):593-606, 15 Oct 75

Inhibition of cell-mediated cytotoxicity to chemically induced rat tumours by soluble tumour and embryo cell extracts. Zöller M, et al. **Int J Cancer** 17(1):129-37, 15 Jan 76

Surface phenotype of nonadherent peritoneal cells effecting cell-mediated cytotoxicity in vitro for allogeneic and syngeneic murine sarcoma cells. Shiku H, et al. **Isr J Med Sci** 12(4-5):425-34, Apr-May 76

A virally induced osteosarcoma in rats. A model for immunological studies of human osteosarcoma. Friedlaender GE, et al. **J Bone Joint Surg [Am]** 58(3):295-302, Apr 76

Immunological studies in murine osteosarcoma. Immunogenicity, growth kinetics, and immunotherapy. Miller CW, et al. **J Bone Joint Surg [Am]** 58(3):312-7, Apr 76

Immunogenicity of virus-induced rat osteosarcoma. Urovitz EP, et al. **J Bone Joint Surg [Am]** 58(3):308-11, Apr 76

Cellular immune responses to methylcholanthrene-induced fibrosarcoma in BALB/c mice. Bhatnagar RM, et al. **J Exp Med** 142(4):839-55, 1 Oct 75

Activated macrophages release a factor which lyses malignant cells but not normal cells. Currie GA, et al. **J Exp Med** 142(6):1600-5, 1 Dec 75

Immune response of guinea pigs with Deal's sarcoma to different strains of mycobacteria. Schwartz E, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):7-13, 1976

An in vitro immuno-enzymatic assay of tumor antigens in the mouse with beta-galactosidase. Celada F, et al. **J Immunol** 117(3):904-10, Sep 76

Regualtion of the immune response to tumor antigens. I. Immunosuppressor cells in tumor-bearing hosts. Fujimoto S, et al. **J Immunol** 116(3):791-9, Mar 76

Regulation of the immune response to tumor antigens. II. The nature of immunosuppressor cells in tumor-bearing hosts. Fujimoto S, et al. **J Immunol** 116(3):800-6, Mar 76

Two functionally distinct anti-tumor effector cells isolated from primary murine sarcoma virus-induced tumors. Holden HT, et al. **J Immunol** 117(2):440-6, Aug 76

Separation of effector cells mediating antibody-dependent cellular cytotoxicity (ADC) to erythrocyte targets from those mediating ADC to tumor targets. Pollack SB, et al. **J Immunol** 116(4):944-6, Apr 76

Effects of neoplasms on inflammation: depression of macrophage accumulation after tumor implantation. Snyderman R, et al. **J Immunol** 116(3):585-9, Mar 76

Tumor-associated blocking factors: isolation from sera of tumor-bearing mice. Tamerius J, et al. **J Immunol** 116(3):724-30, Mar 76

Altered lymphocyte functions in rats bearing syngeneic Moloney sarcoma tumors. I. Mitogen responses, mixed lymphocyte reactions (MLR) and mixed lymphocyte-tumor reactions (MLTR). Veit BC, et al. **J Immunol** 117(2):646-54, Aug 76

Nonimmunogenic sarcomas induced by 3-methylcholanthrene treatment of murine fibroblasts in diffusion chambers. Carbone G, et al. **J Natl Cancer Inst** 55(5):1195-7, Nov 75

Tumor-specific immunogenicity induced by chemical modification. Eggers AE. **J Natl Cancer Inst** 56(4):869-70, Apr 76

Inhibition of cell-mediated cytotoxicity against tumor-associated antigens by suppressor cells from tumor-bearing mice. Glaser M, et al. **J Natl Cancer Inst** 56(4):865-7, Apr 76

Alloantigen expression of a rat Moloney sarcoma. Jones JM, et al. **J Natl Cancer Inst** 55(4):995-9, Oct 75

Loss of marrow allograft resistance in mice with transplanted methylcholanthrene-induced sarcomas. Kumar V, et al. **J Natl Cancer Inst** 55(2):489-92, Aug 75

Antibody-dependent, cell-mediated cytotoxicity with autochthonous lymphocytes and sera after infection with Moloney sarcoma virus. Lamon EW, et al. **J Natl Cancer Inst** 56(2):349-55, Feb 76

Tumor-associated antigens in isoantigenic variants of a 3-methylcholanthrene-induced sarcoma. Oth D, et al. **J Natl Cancer Inst** 55(4):903-8, Oct 75

Mechanisms by which tumors avoid destruction by the immune system BCG-catalyzed increase in IgG and IgA blocking activity of lymphocyte-mediated cytotoxicity. Hakim AA. **Klin Wochenschr** 53(18):881-3, 15 Sep 75

Letter: Methyl-cholanthrene-induced sarcomata in mice after immunisation with Corynebacterium parvum plus syngeneic subcellular membrane fractions. Baum H, et al. **Lancet** 2(7893):1397-8, 7 Dec 74

Immunologically-mediated restraint of latent tumour metastases. Eccles SA, et al. **Nature** 257(5521):52-3, 4 Sep 75

Suppression of cell-mediated tumour immunity by Corynebacterium parvum. Kirchner H, et al. **Nature** 257(5525):396-8, 2 Oct 75

An endotoxin-induced serum factor that causes necrosis of tumors. Carswell EA, et al. **Proc Natl Acad Sci USA** 72(9):3666-70, Sep 75

Different responses of lymphoid cells from tumor-bearing as compared to tumor-immunized mice when sensitized to tumor specific antigens in vitro. Kall MA, et al. **Proc Natl Acad Sci USA** 72(12):5086-9, Dec 75

Common antigens of Herpex simplex virus 2, associated hamster tumors, and human cervical cancer. Ibrahim AN, et al. **Proc Soc Exp Biol Med** 152(3):343-7, Jul 76

Transient impaired cell-mediated tumor immunity after acute infection with lymphocytic choriomeningitis virus. Güttler F, et al. **Scand J Immunol** 4(4):327-36, 1975

Cross-reactions of virally and chemically induced mouse sarcomas: surface expression of a common viral antigen. Grant JP, et al. **Surg Forum** 26:177-9, 1975

Vitamin A: actions in oncogenesis and skin graft rejection. Rettura G, et al. **Surg Forum** 26:301-3, 1975

Histologic host response to primary methylcholanthrene-induced sarcomas in rats immunized with allogeneic tumors. Kudo H, et al. **Tohoku J Exp Med** 117(3):283-8, Nov 75

Immunological enhancement of sarcoma I by antibody to fetal antigens in syngeneic mice. Goldberg EH, et al. **Transplantation** 21(3):263-5, Mar 76

Multiple target cell killing by the cytolytic T lymphocyte and the mechanism of cytotoxicity. Martz E. **Transplantation** 21(1):5-11, Jan 76

Differences in the sensitivity of tumor cells and normal lymphocytes toward lysis by alloantibodies and guinea pig or rabbit complement. Young-Rodenchuk JM, et al. **Transplantation** 20(1):20-5, Jul 75

Tumor inhibiting capacity of spleen and lymph node cells from mice with murine sarcoma virus (MSV-M)-induced tumors. Weiland E, et al. **Z Immunitaetsforsch** 150(5):414-23, Nov 75

[Immunologic blood-brain barrier in the polyoma virus--Syrian hamster system] Pagis-de Micco C, et al. **C R Acad Sci [D] (Paris)** 282(7):683-5, 16 Feb 76 (Eng. Abstr.) **(Fre)**

[Histocompatibility antigens of 2 transplantable reticulum cell tumors TRH 3 and TRBL 3 (induced in BALB/c/Cb/Se and C57BL/Cb/Se mice with ascites mammary carcinoma ATPC+). I. Transplantability tests] Maltzeff N. **Lav Ist Anat Istol Patol Perugia** 35(1):29-41, 1975 (Eng. Abstr.) **(Ita)**

[Morphological manifestations and morphogenesis of the graft vs. host reaction in the brain of F1 hybrids following the administration of parental lymphoid cells and its effect on tumor inoculation] Zarudin VV, et al. **Arkh Patol** 37(4):60-5, 1975 (Eng. Abstr.) **(Rus)**

[The embryonal antigen of hamster adenovirus sarcoma] Bashkaev IS, et al. **Vopr Onkol** 21(6):93-6, 1975 **(Rus)**

[Kinetics of populations of theta+ and theta- cells in the lymph nodes of KR/j mice during methylcholanthrene carcinogenesis] Iudin VM, et al. **Vopr Onkol** 22(3):54-60, 1976 (Eng. Abstr.) **(Rus)**

[Immunologic responses of the body to tumors induced by DMBA] Lomakin MS, et al. **Vopr Onkol** 21(7):66-72, 1975 (Eng. Abstr.) **(Rus)**

[The influence of Mycobacterium bovis BCG-prague, respectively of Mycobacterium smegmatis on the growth of the intratracheally transplanted Deal's sarcoma in guinea pigs (author's transl)] Schwartz E, et al. **Bratisl Lek Listy** 64(3):272-84, Sep 75 (Eng. Abstr.) **(Slo)**

The influence of Mycobacterium bovis BCG-Prague, respectively of Mycobacterium smegmatis on the growth of the intratracheally transplanted Deal's sarcoma in guinea pigs (author's transl)] Schwartz E, et al. **Bratisl Lek Listy** 64(3):272-84, Sep 75 (Eng. Abstr.) **(Slo)**

[Antibodies in venereal sarcoma in dogs] Gómez-Estrada H, et al. **Arch Invest Med (Mex)** 7(1):1-8, 1976 **(Spa)**

METABOLISM

Permeability characteristics of brain adjacent to tumors in rats. Levin VA, et al. **Arch Neurol** 32(12):785-91, Dec 75

Delayed pyridine nucleotide reoxidation induced by the anticancer agent VM-26 as measured in vivo and in situ by NADH microfluorimetry. Gosalvez M, et al. **Eur J Cancer** 11(10):709-15, Oct 75

[Concentration of adenylic nucleotides and respiratory phosphorylation in the mitochondria of rats with transplanted tumors] Morozkina TS, et al. **Biull Eksp Biol Med** 81(6):727-9, Jun 76 (Eng. Abstr.) **(Rus)**

[Effect of sarcolysin and asalin on the incorporation of thymidine-H3 in the DNA of sarcoma 45 and tissues of tumor-bearing rats] Struchkov VA, et al. **Biull Eksp Biol Med** 81(5):589-91, May 76 (Eng. Abstr.) **(Rus)**

[Protein-synthesizing activity of membrane-bound and free polyribosomes in rat liver and sarcoma M-1 cells in a cell-free system] Arbuzov VA, et al. **Dokl Akad Nauk SSSR** 229(1):203-6, JUL-AUG 76 **(Rus)**

[Acetylation reaction in mice in the normal state and in tumors] Bulovskaia LN. **Vopr Onkol** 22(2):59-63, 1976 (Eng. Abstr.) **(Rus)**

[The kinetics of accumulation and elimination of the antitumor preparation tomizine-35 S] Korolev GK. **Vopr Onkol** 21(11):50-6, 1975 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Hexose transport in sarcoma virus transformed cells. Hatanaka M, et al. **Bibl Haematol** (40):621-5, 1975

Mammalian tropism of B77(RBI) virus. Expression of virus genome in the hamster sarcoma cell clones. Svec J, et al. **Neoplasma** 22(2):133-45, 1975

[Detection of adenovirus type-12 in sarcomas induced by this virus in hamster] Ageenko AI, et al. **Vopr Onkol** 21(9):62-5, 1975 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Differential morphological reaction of experimental CNS tumour clones in vitro to dibutyryl cyclic AMP or serum-free medium, resp. Thust R, et al. **Acta Neuropathol (Berl)** 33(4):325-32, 30 Dec 75

The fine structure of intracranial neoplasms induced by the inoculation of avian sarcoma virus in neonatal and adult rats. Copeland DD, et al. **Am J Pathol** 83(1):149-76, Apr 76

Cell-to-cell attachments and associations in tumors induced by CELO virus or virus-transformed cells in hamsters. Jasty V, et al. **Am J Vet Res** 36(11):1643-7, Nov 75

Some cytochemical and ultrastructural features of mouse transplantable tumor derived from SV40 transformed macrophages. Vorbrodt A, et al.

Ann Med Sect Pol Acad Sci 20(2):129–31, 1975

Inflammatory cells in solid murine neoplasms. I. Tumor disaggregation and identification of constituent inflammatory cells. Russell SW, et al. **Int J Cancer** 18(3):322–30, 15 Sep 76

Inflammatory cells in solid murine neoplasms. II. Cell types found throughout the course of Moloney sarcoma regression or progression. Russell SW, et al. **Int J Cancer** 18(3):331–8, 15 Sep 76

Virus-induced osteosarcoma in rats. Czitrom AA, et al. **J Bone Joint Surg [Am]** 58(3):303–8, Apr 76

A freeze-etch study of occurrence of nuclear pores in normal and tumor cells. Svejda J, et al. **Neoplasma** 22(4):385–90, 1975

Histological modifications of the lymph nodes in mice bearing syngeneic grafts of tumours induced by methylcholanthrene. Simar LJ, et al. **Pathol Eur** 10(4):317–25, 1975

Quantitative study of lymphoreticular infiltration into canine transmissible venereal sarcoma. Yang TJ, et al. **Virchows Archiv [Cell Pathol]** 20(3):197–204, 29 Apr 76

[Morphological studies on cellfree induced sarcomas in syrian hamster (author's transl)] Bender E, et al. **Arch Geschwulstforsch** 46(2):85–93, 1976 (Eng. Abstr.) **(Ger)**

[Research on the structure and biological properties of the nuclear DNA of Galliera sarcoma. I. Chromatography of hydroxyapatite of native and heat denaturated DNA] Ivaldi G, et al. **Pathologica** 67(965–966):85–107, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Histopathologic and ultrastructural study of tumors induced by murine sarcoma virus (msv) (author's transl)] Pennelli N, et al. **Tumori** 61(2):129–50, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Number of macrophages and distribution of mitotic activity in regressing and progressing Moloney sarcomas. Russel SW, et al. **J Immunol** 116(1):164–6, Jan 76

PREVENTION & CONTROL

Influence of orally administered B.C.G. on growth of transplanted rat tumours. Baldwin RW, et al. **Br J Cancer** 31(1):124–8, Jan 75

Immunization against feline oncarnavirus disease using a killed tumor cell vaccine. Olsen RG, et al. **Cancer Res** 36(10):3642–6, Oct 76

Experimental oncornavirus vaccines in the cat. Yohn DS, et al. **Cancer Res** 36(2 pt 2):646–51, Feb 76

Antitumor effects of antibody-diphtheria toxin conjugates. II. Immunotherapy with conjugates directed against tumor antigens induced by simian virus 40. Moolten FL, et al. **J Natl Cancer Inst** 55(2):473–7, Aug 75

Tumour rejection properties of solubilised TSTA from an SV40-induced neoplasm. Law LL, et al. **Nature** 257(5523):234–5, 18 Sep 75

RADIOTHERAPY

The effect of an hypoxic cell sensitizer on tumour growth delay and cell survival. Implications for cell survival in situ and in vitro. McNally NJ. **Br J Cancer** 32(5):610–8, Nov 75

The effect of irradiating a transplanted solid sarcoma on the subsequent development of metastases. Sheldon PW. **Br J Cancer** 30(5):416–20, Nov 74

The relationship between mouse arterial partial pressure of oxygen (PaO2) and the effectiveness of localized tumour irradiation. Siemann DW, et al. **Br J Radiol** 48(572):662–7, Aug 75

Modification of the effect of C. parvum on macrophage activity and tumour growth by X-irradiation. Woodruff MF, et al. **Int J Cancer** 17(5):652–8, 15 May 76

[Proliferative activity of Shvetz tumor following single and repeated irradiation] Potapov SL, et al. **Biull Eksp Biol Med** 80(11):84–7, Nov 75 **(Rus)**

THERAPY

Antitumour activity of adenovirus-12 structural proteins against Moloney sarcoma tumours in mice. Abid SH, et al. **Br J Cancer** 33(4):385–91, Apr 76

Suppression of transplanted rat sarcomata mediated by Bacillus Calmette Guéin (BCG). Moore M, et al. **Eur J Cancer** 10(10):673–82, Oct 74

Therapeutic effect of intratumoral injection of bcg and other substances in rats and mice. Chassoux D, et al. **Int J Cancer** 16(4):515–25, 15 Oct 75

Intra-lesional injection of immunostimulants in bilateral rat tumors. Salomon JC, et al. **Int J Cancer** 18(3):379–91, 15 Sep 76

Tumor suppression by a lymphokine released into the circulation of mice with delayed hypersensitivity. Salvin SB, et al. **J Natl Cancer Inst** 55(5):1233–6, Nov 75

Effect of immunization with an allogeneic tumor on the growth of primary methylcholanthrene-induced sarcomas in rats. Usubuchi I, et al. **Tohoku J Exp Med** 119(1):79–83, May 76

[The effect of 11-deoxycortiocosterone acetate on the antitumor activity of prospidin] Kravchenko AI, et al. **Vopr Onkol** 21(12):33–7, 1975 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Sarcomas in syrian hamster, induced by an oncorna virus and cellfree transmissible (author's transl)] Graffi A, et al. **Arch Geschwulstforsch** 46(2):77–84, 1976 (Eng. Abstr.) **(Ger)**

SARCOMA, JENSEN

DRUG THERAPY

Continuous intra-arterial infusion for treating Jensen sarcoma Garas J, et al. **Panminerva Med** 17(9–10):304–7, Sep–Oct 75

IMMUNOLOGY

Morphological study of the thymus of Jensen tumor-bearing rats after tumoral, non-tumoral antigens and thiamine diphosphate administration. Dumitrescu L, et al. **Morphol Embryol (Bucur)** 22(2):123–30, Apr–Jun 76 (Eng. Abstr.)

THERAPY

[Action of clostridial spores on transplantation tumors in alloxan-diabetic rats (author's transl)] Ludewig R, et al. **Arch Geschwulstforsch** 45(8):795–801, 1975 (Eng. Abstr.) **(Ger)**

SARCOMA, KAPOSI'S

Prognosis in Kaposi's sarcoma. Templeton AC, et al. **J Natl Cancer Inst** 55(6):1301–4, Dec 75

[Kaposi's sarcoma with multiple cutaneous lesions in the extremities] Cacharron J, et al. **Actas Dermosifiliogr** 66(11–12):611–24, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Letter: Acquired ichthyosis in Kaposi sarcoma. Krakowski A, et al. **Arch Dermatol** 111(9):1213–4, Sep 75

Arteriovenous fistula. Cutaneous manifestations. Rusin LJ, et al. **Arch Dermatol** 112(8):1135–8, Aug 76

De novo Kaposi's sarcoma in renal transplantation. Case report and brief review. Hardy MA, et al. **Cancer** 38(1):144–8, Jul 76

Aneurysm of the hand secondary to Kaposi's sarcoma. Case report. Baxt S, et al. **J Bone Joint Surg [Am]** 57(7):995–7, Oct 75

Polymyositis in Kaposi syndrome. Koeppen AH, et al. **J Neurol Sci** 27(1):123–6, Jan 76

Kaposi's sarcoma associated with multiple myeloma. Ettinger DS, et al. **Johns Hopkins Med J** 137(2):88–90, Aug 75

[Kaposi's disease associated with a primary cancer of the liver] Marchand JP, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):93–5, 1974 (Eng. Abstr.) **(Fre)**

[Kaposi's sarcoma associated with acute leukemia] Belopasova LA, et al. **Klin Med (Mosk)** 53(6):117–8, Jun 75 **(Rus)**

[Case of the complication of Kaposi angioreticulosis with lymphogranulomatosis] Vlasov VI. **Vestn Dermatol Venerol** (9):78–9, Sep 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Letter: Arteriovenous malformation resembling Kaposi sarcoma. Amon RB. **Arch Dermatol** 3(12):1656–7, Dec 75

Radionuclide scanning in the evaluation of Kaposi sarcoma. Krishnamurthy GT, et al. **Arch Intern Med** 136(4):400–3, Apr 76

Childhood Kaposi's sarcoma: clinical features and therapy. Olweny CL, et al. **Br J Cancer** 33(5):555–60, May 76

Kaposi's sarcoma of the foot. A case report. Cangialosi CP, et al. **J Am Podiatry Assoc** 66(7):525–7, JUL 76

DRUG THERAPY

Letter: Chemotherapy for Kaposi sarcoma. Dantzig PI. **Arch Dermatol** 112(8):1179, Aug 76

Chemotherapy for advanced Kaposi sarcoma. Lanzotti VJ, et al. **Arch Dermatol** 111(10):1331–3, Oct 75

Treatment of Kaposi sarcoma with vinblastine. Tucker SB, et al. **Arch Dermatol** 112(7):958–61, Jul 76

ETIOLOGY

Kaposi's sarcoma: a byproduct of tumour rejection. Warner TF, et al. **Lancet** 2(7937):687–9, 11 Oct 75

[Kaposi's angioreticulosis in a female patient with the ulcerative form of recurrent herpes simplex] Kalamkarian AA, et al. **Vestn Dermatol Venerol** (6):48–52, Jun 75 **(Rus)**

FAMILIAL & GENETIC

Kaposi's sarcoma in half-brothers. Templeton AC, et al. **Trop Geogr Med** 27(3):324–7, Sep 75

METABOLISM

[Histochemical studies of the oxidation-reduction processes in the skin in Kaposi's angioreticulosis] Sych LI, et al. **Vestn Dermatol Venerol** (2):3–7, Feb 74 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Superficial vascular tumours in Ugandan Africans. Templeton AC. **East Afr Med J** 53(3):130–5, Mar 76

PATHOLOGY

Kaposi's sarcoma of the brain. A case report with necropsy findings. Rwomushana RJ, et al. **Cancer** 36(3):1127–31, Sep 75

Solitary nodule of the foot. Bart RS, et al. **J Dermatol Surg** 1(2):18–9, 23, Jun 75

Capsule dermatopathology. Kaposi's sarcoma vs. pyogenic granuloma. Myrie C, et al. **J Dermatol Surg** 2(2):116–7, May 76

Hemorrhagic palatal lesion. Alper RA, et al. **J Oral Pathol** 4(4):222–8, Oct–Nov 75

Fine structure and origin of Kaposi's sarcoma. Gokel JM, et al. **Pathol Eur** 11(1):45–7, 1976

Kaposi's sarcoma of scrotum. Vyas S, et al. **Urology** 8(1):82–5, Jul 76

[Atypical Kaposi's disease] Schmoeckel C, et al. **Hautarzt** 27(6):291–5, Jun 76 (Eng. Abstr.) **(Ger)**

[Kaposi's sarcoma] Gokel JM, et al. **Med Welt** 27(19):915–9, 7 May 76 **(Ger)**

[The histogenesis of Kaposi sarcoma: a histochemical and electronmicroscopical study (author's transl)] Braun-Falco O, et al. **Virchows Arch [Pathol Anat]** 369(3):215–27, 16 Feb 76 (Eng. Abstr.) **(Ger)**

[Association of chronic lymphocytic leukemia with Kaposi's disease localized in skin, lymph nodes and spleen] Pannacciulli I, et al. **Pathologica** 67(967–968):205–15, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Ultrastructure of Kaposi's sarcoma] Domagala W, et al. **Patol Pol** 26(4):517–24, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

[Clinical aspects and roetgen therapy of Kaposi's sarcoma] Szabó P. **Orv Hetil** 116(41):2424–7, 12 Oct 75 **(Hun)**

SARCOMA, MAST CELL

[Incapacity of 5-hydroxytryptophan to act against the depression of tumor-resisting power of host animal which is induced by whole body x-irradiation] Nakamura W, et al. **C R Soc Biol (Paris)** 169(2):468–72, 1975 (Eng. Abstr.) **(Fre)**

ANALYSIS

Proteoglycans of soluble fraction of mouse mastocytoma. Chandrasekaran EV, et al. **Prep Biochem** 5(4):281–303, 1975

DRUG THERAPY

Treatment of solid P815x2 murine mastocytoma with adriamycin (NSC-1231127): toxity limitations. Schenken LL, et al. **J Natl Cancer Inst** 56(3):683–5, Mar 76

ENZYMOLOGY

Chromatographic purification of a mammalian histidine decarboxylase on charged and non-charged alkyl derivatives of agarose. Hammar L, et al. **Biochim Biophys Acta** 403(2):554–62, 22 Oct 75

IMMUNOLOGY

Low numbers of tumor cells suppress the host immune system. Kölsch E, et al. **Adv Exp Med Biol** 66:431–6, 1976

Modulation of the immune response in vitro and in vivo by splenocytes from tumor-bearing mice. Specter SC, et al. **Adv Exp Med Biol** 66:457–63, 1976

Appearance of cytolytic antibodies in sheep lymph following immunisation with tumour cells. Identification of antibody subclasses. Grant CK, et al. **Aust J Exp Biol Med Sci** 53(5):381–7, Oct 76

Membrane mobility agent alters the consequences of lectin-cell interaction in a malignant cell membrane. Lustig S, et al. **Biochim Biophys Acta** 401(3):458–67, 2 Sep 75

Mastocytoma-medicated suppression of mixed lymphocyte culture and mitogen responsiveness. DeLustro F, et al. **Cell Immunol** 21(1):177–84, Jan 76

Quantitative studies of the growth and rejection of allogeneic tumour cells in mouse cerebrospinal fluid. Elimination in the absence of H-2 differences. Doherty PC, et al. **Clin Exp Immunol** 19(2):355–66, Feb 75

Spontaneously arising cytotoxicity to the P-815-Y mastocytoma in NZB mice. Greenberg AH, et al. **Clin Exp Immunol** 16(1):99–109, Jan 74

Spontaneously arising cytotoxicity to the P-815-Y mastocytoma in NZB mice. Greenberg AH, et al. **Clin Exp Immunol** 16(1):99–110, Jan 74

Preparation and properties of antisera directed against antigens of the P-815 mastocytoma cell not shared by its syngeneic host, the DBA/2 mouse. Bertschmann M, et al. **Eur J Cancer** 12(4):255–62, Apr 76

Solubilization of histocompatibility and tumour-associated antigens of the P-815 murine mastocytoma cell. Clemetson KJ, et al. **Eur J Cancer** 12(4):263–70, Apr 76

Water-soluble P-815 mastocytoma membrane antigens: separation of tumour-associated antigens from histocompatibility antigens. Clemetson KJ, et al. **Immunochemistry** 13(5):383–8, May 76

In vitro induction of cytotoxicity against syngeneic mastocytoma and its suppression by spleen and thymus cells from tumor-bearing mice. Takei F, et al. **J Immunol** 116(2):288–93, Feb 76

A procedure for the quantitative separation of viable and non-viable P815X2 mastocytoma cells. Wilbur SM, et al. **J Immunol Methods** 11(3–4):213–23, 1976

BCG immunopotentiation of an antitumor response: evidence for a cell-mediated mechanism. Hawrylko E. **J Natl Cancer Inst** 55(2):413–23, Aug 75

Altered immunologic responsiveness in mastocytoma-bearing mice. Kamo I, et al. **J Natl Cancer Inst** 56(2):333–8, Feb 76

Potentiation of the tumor-specific immune response by Corynebacterium parvum. Scott MT. **J Natl Cancer Inst** 55(1):65–72, Jul 75

Comparison between macrophage activation and enhancement of nonspecific resistance to tumors by mycobacterial immunoadjuvants. Juy D, et al. **Proc Natl Acad Sci USA** 72(10):4105–9, Oct 75

METABOLISM

Studies on the 14C-histamine release induced by histamine in mouse neoplastic mast cells. Moroni F, et al. **Agents Actions** 5(5):424–6, Dec 75

Biosynthesis of heparin. Loss of C-5 hydrogen during conversion of D-glucuronic to L-iduronic acid residues. Lindahl U, et al. **Biochem Biophys Res Commun** 70(2):492–9, 17 May 76

Metabolism of macromolecular heparin in mouse neoplastic mast cells. Ogren S, et al. **Biochem J** 154(3):605–11, 15 Mar 76

Formation and properties of retinylphosphate galactose. Peterson PA, et al. **J Biol Chem** 251(16):4986–95, 25 Aug 76

PATHOLOGY

Ultrastructural characteristics of mast cells from a canine mastocytoma maintained in vitro. Cobb CM, et al. **J Oral Pathol** 4(5):244–56, Nov 75

Isolated lesion in a ten-month-old girl. Mastocytoma. Andrade R. **Med Probl Paediatr** 17:116–8, 1975

RADIOTHERAPY

Responses of an experimental solid tumour to irradiation: A comparison of modes of fractionation. Schenken LL, et al. **Br J Cancer** 31(2):228–36, Feb 75

THERAPY

Failure of Corynebacterium parvum presensitization to modify the antitumor effects of systemic and local therapeutic injections of C. parvum in mice. Scott MT. **J Natl Cancer Inst** 56(3):675–7, Mar 76

VETERINARY

Mast cell neoplasia in mice. Frith CH, et al. **Lab Anim Sci** 26(3):478–81, Jun 76

Distinctive intestinal mast cell neoplasms of domestic cats. Alroy J, et al. **Lab Invest** 33(2):159–67, Aug 75

Biopsy cytology of mast cell tumor. Barrett RP. **Vet Med Small Anim Clin** 71(7):926–7, Jul 76

SARCOMA, OSTEOGENIC

The metastatic patterns of osteosarcoma. Jeffree GM, et al. **Br J Cancer** 32(1):87–107, Jul 75

Periosteal osteogenic sarcoma. Unni KK, et al. **Cancer** 37(5):2476–85, May 76

Editorial: Osteosarcoma. Enneking WF. **Clin Orthop** (111):2–4, Sep 75

The treatment of pulmonary metastasis in osteogenic sarcoma. Marcove RC, et al. **Clin Orthop** (111):65–70, Sep 75

In vitro cellular radiosensitivity of human malignant tumors. Weichselbaum RR, et al. **Eur J Cancer** 12(1):47–51, Jan 76

Extrapolation of radiation-induced tumour incidence from animals to man. pp. 237–42. Rosenblatt LS, et al. **In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.**

Transformation of human osteosarcoma cells by a chemical carcinogen. Rhim JS, et al. **J Natl Cancer Inst** 55(6):1291–4, Dec 75

Osteosarcoma – a light in the gloom. Connolly JF, et al. **Nebr Med J** 61(4):108–12, Apr 76

[Osteogenic sarcoma of the bladder] Murat J, et al. **J Chir (Paris)** 109(3):327–32, Mar 75 (Eng. Abstr.) **(Fre)**

[Juxtacortical osteosarcoma (author's transl)] Hupfauer W. **Arch Orthop Unfallchir** 84(3):291–7, 21 May 76 (Eng. Abstr.) **(Ger)**

[Osteosarcoma of the soft tissues] Giunti A, et al. **Chir Organi Mov** 62(5):577–8, 1975 **(Ita)**

[Osteosarcoma of the clavicle (description of a case)] Zinghi G. **Chir Organi Mov** 62(6):671–4, 1975 (Eng. Abstr.) **(Ita)**

[Sarcoma osteogenes sclerosans] Niedziólka J, et al. **Chir Narzadow Ruchu Ortop Pol** 41(1):93–8, 1976 (Eng. Abstr.) **(Pol)**

ANALYSIS

Osteogenic induction by cell-free material from murine osteosarcoma and its cultured cell line. Amitani K, et al. **Gann** 66(3):327–9, Jun 75

BLOOD

Ceruloplasmin levels in sera from human patients with osteosarcoma. Shifrine M, et al. **Cancer** 38(1):244–8, Jul 76

Methotrexate megadosage followed by folate rescue. I. A study in clearance patterns. Salasoo S, et al. **Med J Aust** 1(21):777–9, 22 May 76

[Certain indicators of the white blood in patients with osteogenic sarcoma of bones of the limbs] Sokolova II, et al. **Ter Arkh** 47(6):52–6, 1975 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Induction of malignant bone tumors in rats by 1-(2-hydroxyethyl)-1-nitrosourea. Pelfrene A, et al. **J Natl Cancer Inst** 56(2):445–6, Feb 76

Letter: Correction on the number of presumed beryllium-induced osteosarcomas in human beings. Hardy H. N **Engl J Med** 295(11):624, 9 Sep 76

[Experimental production of bone sarcomas in the rabbit by a single local injection of beryllium] Mazabraud A. **Bull Cancer (Paris)** 62(1):49–58, Jan–Mar 75 **(Fre)**

COMPLICATIONS

Parosteal osteogenic sarcoma of the mandible, Existence masked by diffuse periodontal inflammation. Solomon MP, et al. **Arch Otolaryngol** 101(12):754–60, Dec 75

Secondary hypertrophic osteoarthropathy. An unusual cause of arthritis in childhood. Petty RE, et al. **Arthritis Rheum** 19(5):902–6, Sept–Oct 76

Spontaneous pneumothorax as a complication of pulmonary metastatic sarcoma. A report of three cases. Han SS, et al. **Del Med J** 48(3):139–44, Mar 76

Retinoblastoma associated with other primary malignant tumours. Aherne G. **Trans Ophthalmol Soc UK** 94(4):938–44, 1974

[Mithramycin therapy of hypercalcemia in metastasizing osteosarcoma] Dietz A. **Med Welt** 26(25):1242–4, 20 Jun 75 **(Ger)**

DIAGNOSIS

Pseudomalignant osteoblastoma versus arrested osteosarcoma: a case report Mirra JM, et al. **Cancer** 37(4):2005–14, Apr 76

Osteogenic sarcoma metastatic to the kidney. Watson RC, et al. **Clin Bull** 5(3):114–5, 1975

Correlation between bone scanning and the radiographic image in the diagnosis of osteosarcoma. Sharvit A, et al. **Int J Oral Surg** 4(4):172–6, Sep 75

Primary osteogenic sarcoma of the brain. Case report. Jacques S, et al. **J Neurosurg** 44(1):92–5, Jan 76

Augmented radioactivity on bone scans of limbs bearing osteosarcomas. Goldman AB, et al. **J Nucl Med** 16(5):423–4, May 75

[Bone sarcomas] Pieper M, et al. **Monatsschr Kinderheilkd** 123(5):384–7, May 75 **(Ger)**

[Radioisotope diagnosis of osteogenic sarcoma] Ivanovskii GL, et al. **Klin Khir** (12):42–4, Dec 75 **(Rus)**

DRUG THERAPY

Toxicity of doxorubicin and methotrexate in osteogenic sarcoma. Robertson JH, et al. **Br Med J** 1(6000):23, 3 Jan 76

Adjuvant chemotherapy in primary treatment of osteogenic sarcoma. A Southwest Oncology Group study. Sutow WW, et al. **Cancer** 36(5):1598–602, Nov 75

Current therapies in osteosarcoma. Handelsman H, et al. **Cancer Treat Rev** 2(1):77–83, Mar 75 (17 ref.)

Advances in the management of musculoskeletal tumors in adolescents. Dyment PG. **Cleve Clin Q** 42(4):303–8, Winter 75 (20 ref.)

The potential for an improved prognosis with chemotherapy in osteogenic sarcoma. Jaffe N. **Clin Orthop** (113):111–8, Nov–Dec 75

Chemotherapy of osteosarcoma. Sinks LF, et al. **Clin Orthop** (111):101–4, Sep 75

Cytotoxic effect in vitro and tumour volume reduction in vivo induced by chemotherapeutic agents. Morasca L, et al. **Eur J Cancer** 10(10):667–71, Oct 74

Chemotherapy in the management of childhood solid tumors. pp. 203–14. Sutow WW. **In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.** (31 ref.)

Multidrug chemotherapy in primary treatment of osteosarcoma. An editorial commentary. Jaffe N, et al. **J Bone Joint Surg [Am]** 58(5):634–5, Jul 76 (17 ref.)

Multidrug chemotherapy in pulmonary treatment of osteosarcoma. Sutow WW, et al. **J Bone Joint Surg [Am]** 58(5):629–33, Jul 76

Acute infections in interferon-treated patients with osteosarcoma: preliminary report of a comparative study. Strander H, et al. **J Infect Dis** 133 Suppl:A245–8, Jun 76

Letter: Late metastases in osteosarcoma. Sutow WW. **Lancet** 1(7964):856, 17 Apr 76

Extremity perfusion chemotherapy. Past, present and future. Serrou B, et al. **Panminerva Med** 18(1–2):14–7, Jan–Feb 76

Perfusion chemotherapy of osteosarcoma. A clinical study on 75 cases. Tateishi A, et al. **Panminerva Med** 18(1–2):22–5, Jan–Feb 76

[Supplementary antiblastic polychemotherapy in localized malignant bone tumors. I. Ewing's sarcoma and osteosarcoma] Bacci G, et al. **Chir Organi Mov** 62(5):491–506, 1975 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Establishment and alkaline phosphatase activity of clonal cell lines of murine osteosarcomas. A preliminary study. Amitani K, et al. **Clin Orthop** (113):164–7, Nov–Dec 75

Proceedings: hormone-responsive adenylate cyclase in a transplantable osteogenic sarcoma in the rat. Ingleton PM, et al. **J Endocrinol** 69(3):26P–27P, Jun 76

Parathyroid hormone-responsive adenylate cyclase in induced transplantable osteogenic rat sarcoma. Martin TJ, et al. **Nature** 260(5550):436–8, 1 Apr 76

ETIOLOGY

Thorotrast-induced extraskeletal osteosarcoma of the cervical region. Report of a case. Hasson J, et al. **Cancer** 36(5):1827–33, Nov 75

The etiology of osteosarcoma. A review of current considerations. Pritchard DJ, et al. **Clin Orthop** (111):14–22, Sep 75 (54 ref.)

Early radiation effects on bone and blood as 'predictors' of osteosarcoma. A late effect. pp. 335–42. Goldman M, et al. **In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.**

Dose-response relationships for beagles injected with 239Pu(IV) or 241Am(III). pp. 1266–77. Stover BJ. **In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.**

Osteogenic sarcoma arising in an old burn scar. Drut R, et al. **J Cutan Pathol** 2(6):302–6, 1975

Suprasellar osteogenic sarcoma following radiation for pituitary adenoma. Case report. Amine ARC, et al. **J Neurosurg** 44(1):88–91, Jan 76

Osteogenic sarcoma following radiotherapy for bursitis. Glicksman AS, et al. **Mt Sinai J Med NY** 43(2):163–7, Mar–Apr 76

Peritoneal osteosarcoma following irradiation therapy of ovarian cancer. Paik HH, et al. **Obstet Gynecol** 47(4):488–91, Apr 76

[Late complications of rxtherapy; actinic sarcoma(author's transl)] Buffat JD. **Praxis** 64(36):1139–41, 9 Sep 75 (Eng. Abstr.) **(Fre)**

[Radiculomedullary compressions by osteosarcoma and by giant cell tumor of the spine occurring in Paget's disease] Phelip X, et al. **Rev Rhum Mal Osteoartic** 42(10):573–81, Oct 75 (27 ref.) (Eng. Abstr.) **(Fre)**

[A new case of sarcomatous degeneration of the spine in Paget's disease of bone] Villiaumey J, et al. **Rev Rhum Mal Osteoartic** 42(11):687–91, Nov 75 (Eng. Abstr.) **(Fre)**

[Osteogenic sarcoma in chronic osteitis] Spyra S. **Chir Narzadow Ruchu Ortop Pol** 41(1):99–100, 1976 (Eng. Abstr.) **(Pol)**

[Relation of average lifespan, mortality and frequency of osteosarcoma in rats to the absorbed dose from strontium-90] Shvedov VL, et al. **Radiobiologiia** 15(3):402–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Osteosarcoma-inducing effect of plutonium-239 in relation to animal age and sex] Siniakov EG. **Radiobiologiia** 15(6):937–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

HISTORY

The classic: Sarcoma of the long bones: based upon a study of one hundred and sixty-five cases. Samuel W. Gross. **Clin Orthop** (111):5–13, Sep 75

IMMUNOLOGY

A laboratory model for the study of the immunobiology of osteosarcoma. Friedlaender GE, et al. **Cancer** 36(5):1631–9, Nov 75

Specific antigen stimulated lymphocyte proliferation in osteosarcoma. Gainor BJ, et al. **Cancer** 37(2):743–50, Feb 76

The host immune response in human osteosarcoma. McMaster JH, et al. **Clin Orthop** (111):76–82, Sep 75

Evidence for animal origin of cells and rescued tumour virus from a putative human osteosarcoma cell line. Hložánek I, et al. **Folia Biol (Praha)** 21(6):400–5, 1975

Cell mediated immunity in human osteogenic sarcoma. Agashe SS, et al. **Indian J Cancer** 12(1):61–6, Mar 75

Cell mediated immunity in osteogenic sarcoma. Role of the regional lymph nodes. Rao RS, et al. **Indian J Cancer** 12(1):56–60, Mar 75

Onco-foetal cross reactivity between human osteogenic sarcoma and foetal periosteal fibroblasts grown 'in vitro'. Gangal SG, et al. **Indian J Med Res** 63(6):851–7, Jun 75

Leukocyte migration inhibition by cancer patients' sera. Cochran AJ, et al. **Int J Cancer** 18(3):274–81, 15 Sep 76

Characterization of non-producer human cells induced by Kirsten sarcoma virus. Rhim JS, et al. **Int J Cancer** 16(5):840–9, 15 Nov 75

Search for anti-tumor response in a bone tumor patient with a long clinical history. Vanky F, et al. **Int J Cancer** 18(3):282–92, 15 Sep 76

A virally induced osteosarcoma in rats. A model for immunological studies of human osteosarcoma. Friedlaender GE, et al. **J Bone Joint Surg [Am]** 58(3):295–302, Apr 76

Immunological studies in murine osteosarcoma. Immunogenicity, growth kinetics, and immunotherapy. Miller CW, et al. **J Bone Joint Surg [Am]** 58(3):312–7, Apr

76
Immunogenicity of virus-induced rat osteosarcoma. Urovitz EP, et al. **J Bone Joint Surg [Am]** 58(3):308–11, Apr 76
Restoration of immunocompetency by lymphocyte transfusion. Roth JA, et al. **J Surg Oncol** 7(1):63–6, 1975
Decreased resistance in some heterozygotes in H-2 linked immune response to polyoma-induced tumour. Oth D, et al. **Nature** 259(5541):316–7, 29 Jan 76
Canine osteosarcoma karyotypes from an original tumor, its metastasis, and tumor cells in tissue culture. Taylor N, et al. **Transplant Proc** 7(4):485–93, Dec 75
[Indices of cellular and humoral immunity following surgery intervention for malignant bone tumors] Govallo VI, et al. **Vopr Onkol** 22(1):7–13, 1976 (Eng. Abstr.) **(Rus)**

METABOLISM

Disposition of [3H]actinomycin D in tumor-bearing mice. Galbraith WM, et al. **Cancer Res** 36(4):1242–5, Apr 76
Hormone suppression of DNA synthesis in cultured chondrocyte and osteosarcoma cell line. Scranton PE Jr, et al. **Clin Orthop** (112):340–8, Oct 75
Osteogenic sarcoma: influence of trace metals in experimental induction. pp. 433–9. Janes JM, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Investigation of carbohydrate metabolism and somatomedin in osteosarcoma patients. Scranton PE Jr, et al.
J Surg Oncol 7(5):403–9, 1975
85Sr uptake in lung metastases of osteogenic sarcoma. A case report. Cohen Y, et al. **Oncology** 30(6):493–8, 1974

MICROBIOLOGY

Virus retrieval studies in human neoplasia. Dmochowski L, et al. **Bibl Haematol** (40):431–49, 1975
In vivo interference of virus-induced osteosarcomas by a benign bone tumor virus. Reilly CA Jr, et al.
Bibl Haematol (43):441–4, Oct 75
Viruses in osteosarcomas induced by 226Ra. A study of the induction of bone tumours in mice. Lloyd EL, et al.
Int J Radiat Biol 28(1):13–33, Jul 75
[Proceedings: Occurrence of virus particles in radiation-induced osteosarcomas of the mouse] Marquart KH, et al. **Verh Dtsch Ges Pathol** 59:484, 1975 **(Ger)**

MORTALITY

Osteosarcoma in children. A study of 125 cases. Price CH, et al. **J Bone Joint Surg [Br]** 57(3):341–5, Aug 75

OCCURRENCE

The implications of 'skip' metastases in osteosarcoma. Enneking WF, et al. **Clin Orthop** (111):33–41, Sep 75
An epidemiologic study of osteogenic sarcoma in Malaysia. Incidence in urban as compared with rural environments and in each of three separate racial groups, 1969–1972. Silva JF, et al. **Clin Orthop** (113):119–27, Nov–Dec 75
[Osteosarcoma in childhood] Matějovský Z, et al.
Acta Chir Orthop Traumatol Cech 42(4):352–61, Aug 75 (Eng. Abstr.) **(Cze)**
[Osteosarcomas of the jaws. Statistical study of 41 cases] Cernéa P, et al. **Bull Cancer (Paris)** 61(2):151–60, Apr–Jun 74 (Eng. Abstr.) **(Fre)**
[Effect of sex and castration of rats on the incidence of plusonium-induced] Siniakov EG. **Med Radiol (Mosk)** 20(9):59–61, Sep 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Transformation of cells in human bone tumor cultures. Priori ES, et al. **Bibl Haematol** (40):185–96, 1975
Influence of exogenous tRNA on growth of transplantable 32P-induced osteosarcomata. Geddes-Dwyer V, et al.
Br J Cancer 33(6):600–5, Jun 76
Osteogenic sarcoma of the jaws in Ibadan, Nigeria. Daramola JO, et al. **Br J Oral Surg** 14(1):23–30, Jul 76
Malignant degeneration of polyostotic fibrous dysplasia of bone. Milgram JW. **Bull Hosp Joint Dis** 36(2):137–49, Oct 75
'Skip' metastases in osteosarcoma. Enneking WF, et al. **Cancer** 36(6):2192–205, Dec 75
Fine structure of a radiation-induced osteogenic sarcoma. Lee WR, et al. **Cancer** 36(4):1414–25, Oct 75
Prognostic factors in osteosarcoma. A review of 20 year's experience at the University of Pittsburgh Health Center Hospitals. Scranton PE Jr, et al. **Cancer** 36(6):2179–91, Dec 75
Parosteal osteogenic sarcoma. Unni KK, et al. **Cancer** 37(5):2644–75, May 76
The ultrastructure of osteosarcoma. A review of twenty cases. Williams AH, et al. **Cancer** 37(3):1293–301, Mar 76
Studies on the enhancement by cyclophosphamide (NSC-26271) of artificial lung metastasis after labeled cell inoculation. de Ruiter J, et al. **Cancer Treat Rep** 60(4):465–70, Apr 76
Pathology of osteosarcoma. Dahlin DC. **Clin Orthop** (111):23–32, Sep 75 (23 ref.)
Growth characteristics of pulmonary metastases from osteosarcoma. Miller CW. **Clin Orthop** (116):70–5, May 76
Electron microscopic observations of 20 human osteosarcomas. Paschall HA, et al. **Clin Orthop** (111):42–56, Sep 75
The relationship between tumorigenicity, growth in agar and fibrinolytic activity in a line of human osteosarcoma cells. Jones PA, et al. **Int J Cancer** 16(4):616–21, 15 Oct 75
The biology of human cells in tissue culture. I. Characterization of cells derived from osteogenic sarcomas. Smith HS, et al. **Int J Cancer** 17(2):219–34, 15 Feb 76
Virus-induced osteosarcoma in rats. Czitrom AA, et al.
J Bone Joint Surg [Am] 58(3):303–8, Apr 76
Primary osteogenic sarcoma of the cervical spine. A case report. Fielding JW, et al. **J Bone Joint Surg [Am]** 58(6):892–4, Sep 76
Virus-like particles in geometric tubuloreticular structures. Vernon ML, et al. **J Natl Cancer Inst** 56(4):855–7, Apr 76
Primary osteogenic sarcoma of the calvaria. Case report. Hendee RW Jr. **J Neurosurg** 45(3):334–7, Sep 76
Osteosarcoma of the thyroid gland. Trowell JE, et al.
J Pathol 119(2):123–7, Jun 76
The widened periodontal ligament of osteosarcoma of the jaws. Gardner DG, et al. **Oral Surg** 41(5):652–6, May 76
A metacarpal giant cell tumor, a sternal osteoblastoma and a pubic osteogenic sarcoma in the same patient. Roberts A, et al. **South Med J** 69(5):660–2, May 76
[Osteosarcomas of the mandible. Apropos of 4 cases] Lachard J, et al. **Rev Stomatol Chir Maxillofac** 77(1):56–8, Jan–Feb 76 **(Fre)**
[So-called fibrous long-spacing collagen in a murine osteosarcoma (author's transl)] Marquart KH, et al.
Virchows Arch [Pathol Anat] 370(2):177–83, 3 May 76 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The multiple sclerotic osteogenic sarcoma of early childhood. Cremin BJ, et al. **Br J Radiol** 49(581):416–9, May 76
[Isomorphism of primary and secondary tumors of bone in radiographs (author's transl)] Holtz U, et al.
Roentgenblaetter 28(11):553–9, Nov 75 (Eng. Abstr.) **(Ger)**
[Experimental x-ray diagnosis of osteosarcoma] Pesternikov VM, et al. **Vopr Onkol** 21(7):58–62, 1975 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

The relationship between the time of fractionated and single doses of radiation and hyperthermia on the sensitization of an in vivo mouse tumor. Alfieri AA, et al. **Cancer** 36(3):893–903, Sep 75
Radiotherapy in osteosarcoma. Suit HD. **Clin Orthop** (111):71–5, Sep 75 (12 ref.)
Disappearance of osteogenic sarcoma after irradiation: immunologic observations. Urtasun RC, et al.
J Can Assoc Radiol 27(2):80–3, Jun 76
A case of osteogenic sarcoma of maxillary antrum cure by radiation therapy. Ginapolous H, et al.
J Radiol Electrol Med Nucl 56(5):429–31, May 75
The role of radiation therapy in the treatment of osteosarcoma. Beck JC, et al. **Radiology** 120(1):163–5, Jul 76
Combined radiosensitizer infusion and irradiation of osteogenic sarcomas. Goffinet DR, et al. **Radiology** 117(1):211–4, Oct 75
Osteosarcoma a review of 72 cases treated by megavoltage radiation therapy, with or without surgery. de Moor NG. **S Afr J Surg** 13(3):137–46, Sep 75
[Radiotherapy of osteosarcomas localized in long bones (author's transl)] Brzaković P, et al.
Radiobiol Radiother (Berl) 16(3):267–70, 1975 (Eng. Abstr.) **(Fre)**
[Radiation therapy of osteogenic sarcoma in local hypoxia] Knysh IT. **Med Radiol (Mosk)** 20(12):28–33, Dec 75 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical management of osteogenic sarcoma of the mandible. Pease GL, et al. **Arch Otolaryngol** 101(12):761–2, Dec 75
The surgical management of primary osteosarcoma. Sweetnam R. **Clin Orthop** (111):57–64, Sep 75
Pulmonary resection for metastatic osteogenic sarcoma. Spanos PK, et al. **J Bone Joint Surg [Am]** 58(5):624–8, Jul 76
Amputation in osteosarcoma. Sweetnam R.
J Bone Joint Surg [Br] 57(3):268–9, Aug 75
Surgical removal of orbital osteoma; case report. Rawe SE, et al. **J Neurosurg** 44(2):233–6, Feb 76
[Time will tell] Zwaveling A. **Ned Tijdschr Geneeskd** 120(3):81–3, 17 Jan 76 **(Dut)**
[Treatment and prognosis of osteosarcoma in childhood (author's transl)] Salzer M, et al.
Arch Orthop Unfallchir 85(3):279–87, 19 Aug 76 (Eng. Abstr.) **(Ger)**
[Primary osteosarcoma of the skull—a case report (author's transl)] Bito S, et al. **Neurol Surg (Tokyo)** 4(2):191–5, Feb 76 (Eng. Abstr.) **(Jpn)**

THERAPY

Chemotherapy, en bloc resection, and prosthetic bone replacement in the treatment of osteogenic sarcoma. Rosen G, et al. **Cancer** 37(1):1–11, Jan 76
Survival of mice with metastatic osteosarcoma treated by cyclophosphamide or radiotherapy. Shaeffer J, et al.
Cancer Res 35(12):3596–8, Dec 75
The potential of combined modality approaches for the treatment of malignant bone tumors in children. Jaffe N. **Cancer Treat Rev** 2(1):33–53, Mar 75 (169 ref.)
Osteosarcoma. Results of treatment employing adjuvant immunotherapy. Eilber FR, et al. **Clin Orthop** (111):94–100, Sep 75
Bone tumors: (B). osteogenic sarcoma. Discussion. pp. 315–21.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Adoptive immunotherapy in primary osteosarcoma. pp. 289–96. Neff JR, et al.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Inferences and projections regarding current clinical capabilities for the control of osteogenic sarcoma. pp. 297–307. Sutow WW.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Adriamycin and amputation in primary osteogenic sarcoma progress report. pp. 309–13. Wang JJ, et al.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
Advances in the treatment of osteogenic sarcoma. Malpas JS. **J Bone Joint Surg [Br]** 57(3):267–8, Aug 75
Management of malignant bone tumors in children and adolescents. Rosen G. **Pediatr Clin North Am** 23(1):183–213, Feb 76
Transfer of in vitro cytotoxicity against osteogenic sarcoma cells. Sutherland CM, et al. **Surgery** 79(6):682–5, Jun 76
[Treatment of osteosarcomas] Jacquillat C, et al.
Nouv Presse Med 5(27):1692–4, 3–10 Jul 76 **(Fre)**
E1Recent aspects of osteosarcoma therapy] Hoffken K, et al. **Dtsch Med Wochenschr** 101(7):251–8, 13 Feb 76 (92 ref.) **(Ger)**
[Combined treatment of patients with osteogenic sarcoma] Korolev VI, et al. **Vopr Onkol** 22(1):17–20, 1976 (Eng. Abstr.) **(Rus)**

VETERINARY

Studies on chemotherapy and immunotherapy in canine lymphosarcoma and osteosarcoma. Owen LN, et al.
Bibl Haematol (43):522–3, Oct 75
Osteosarcoma associated with metallic implants. Report of two cases in dogs. Harrison JW, et al. **Clin Orthop** (116):253–7, May 76
Results of surgical treatment in 65 dogs with osteosarcoma. Brodey RS, et al. **J Am Vet Med Assoc** 168(11):1032–5, 1 Jun 76
Chondroblastic osteosarcoma in the jejunum of a dog. Eckerlin RH, et al. **J Am Vet Med Assoc** 168(8):691–3, 15 Apr 76
Letter: Fixation devices and neoplastic changes in bone. Serrano LJ. **J Am Vet Med Assoc** 167(8):700,716, 15 Oct 75
Extraskeletal osteosarcoma of the liver in a dog. Patnaik AK, et al. **J Small Anim Pract** 17(6):365–70, Jun 76
Plasma alkaline phosphatase in mice with experimentally-induced osteosarcomas. Bailey JM, et al. **Lab Anim Sci** 26(1):66–9, Feb 76
Spontaneous osteogenic sarcoma in the WI/Ten rat: a case report. Machado EA, et al. **Lab Anim Sci** 26(1):98–100, Feb 76
Bone disease. Zontine WJ. **Mod Vet Pract** 57(3):202–6, Mar 76
Bone disease. Zontine WJ. **Mod Vet Pract** 57(6):466–70, Jun 76
Osteosarcoma of the hard palate in a dog. Howard DR, et al. **Vet Med Small Anim Clin** 71(1):59–61, Jan 76
Osteosarcoma of the canine skull. (a case report). Johnson TC. **Vet Med Small Anim Clin** 71(5):629–31, May 76
[Osteosarcoma between the thorax and upper foreleg of a cow] Rosenberger G. **Dtsch Tieraerztl Wochenschr** 82(6):244, 5 Jun 75 **(Ger)**

SARCOMA, RETICULUM CELL

Letter: Cytomegalovirus and lymphoma in a pediatric transplant recipient. Matas AJ, et al. **J Pediatr** 87(3):494–5, Sep 75
Letter: Reticulum-cell sarcoma in a father and Hodgkin's disease in his son. Hanganu E. **Lancet** 1(7959):587, 13 Mar 76
[Primary reticulum cell sarcoma of a rib. Report of two cases (author's transl)] Denaut M, et al.
Acta Tuberc Pneumol Belg 66(4–5):390–400, Jul–Oct 75 (Eng. Abstr.) **(Fre)**
[Reticulosarcoma of the pancreas. Apropos of a case in a child] Ziarek S, et al. **Med Chir Dig** 4(3):195–6, 1975 **(Fre)**
[Reticular sarcoma of the chorioretina and brain] Owens G, et al. **Ophthalmologica** 172(2–3):223–4, 1976 **(Fre)**
[Juvenile gastric neoplasms and their pathomorphologica, clinical and developmental aspects] Palmieri B, et al.
Arch De Vecchi Anat Patol 59(3):579–90, Apr 74 **(Ita)**
[Clinical studies of reticuloendothelioma originating in the brain—a case study with review of the literature] Hiratsuka H, et al. **Clin Neurol (Tokyo)** 15(5):255–64, May 75 (Eng. Abstr.) **(Jpn)**
[Hepatomegaly and eosinophilia: malignant lymphoma (reticulum cell type)] Hiramatsu K, et al.
Jpn J Clin Med Spec No:826–7, 1226–9, 10 Apr 75 **(Jpn)**

[Fever, headache and pains of the thoracic and abdominal regions (with sporadic pain of the extremities): reticulosarcoma originating at the bone marrow] Kawamura Y, et al. **Jpn J Clin Med** Spec No:802–3, 1180–3, 10 Apr 75 **(Jpn)**

[Personality change, ambulatory disorder, ataxia, decerebrate rigity and cognition disorder: reticulum cell sarcoma originating at the brain] Kuroda Y, et al. **Jpn J Clin Med** Spec No:840–1, 1252–5, 10 Apr 75 **(Jpn)**

[Incomplete paralysis of the left side and articulation disorder: microglyomatosis (reticuloendothelial tumor)] Murachi T, et al. **Jpn J Clin Med** Spec No:796–7, 1170–1, 10 Apr 75 **(Jpn)**

[Two cases of primary intracerebral malignant lymphoma (author's transl)] Kubota S, et al. **Neurol Surg (Tokyo)** 3(1):67–73, Jan 76 (Eng. Abstr.) **(Jpn)**

[Case of heart reticulosarcoma] Taraszkiewicz W, et al. **Kardiol Pol** 18(6):555–9, 1975 (Eng. Abstr.) **(Pol)**

[Gastric reticulosarcoma] Zmeul VK. **Khirurgiia (Mosk)** (4):116–7, Apr 76 **(Rus)**

[Primary reticulosarcoma of the spleen] Soboleva SS, et al. **Ter Arkh** 47(6):38–43, 1975 **(Rus)**

[Reticulosarcoma of the thyroid gland] Gracheva NI, et al. **Vestn Khir** 116(3):116, Mar 76 **(Rus)**

[Duodenal reticulosarcoma] Estrada-González L, et al. **Rev Esp Enferm Apar Dig** 46(3):319–28, Sep 75 **(Spa)**

[Spleen 'primary' lymphoma (author's transl)] Bajo Gómez R, et al. **Sangre (Barc)** 20(4):487–92, 1975 (Eng. Abstr.) **(Spa)**

BLOOD

Plasma testosterone levels in C57BL/6J male mice: effects of age and disease. Nelson JF, et al. **Acta Endocrinol (Kbh)** 80(4):744–52, Dec 75

An inhibitor of chemotaxis and phagocytosis in reticulum cell sarcoma. Ruutu T, et al. **Scand J Haematol** 15(1):27–34, Aug 75

[A comparative study of iron and total iron binding capacity in the serum of patients with lymphoreticular blastomas] Gekova K, et al. **Vutr Boles** 13(6):100–4, 1974 (Eng. Abstr.) **(Bul)**

[A case of macroglobulinemic veticuloendothelial sarcoma] Korting GW, et al. **Med Welt** 26(15):730–1, 11 Apr 75 **(Ger)**

[Method of leukoconcentration in diagnosis of lymphoreticulosarcoma in children] Ermakov ES, et al. **Pediatriia** (8):31–4, Aug 75 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

3H-thymidine autoradiography of CSF cells in primary reticulum cell sarcoma of the brain. Fukui M, et al. **J Neurol** 210(3):143–50, 22 Sep 75

CHEMICALLY INDUCED

Letter: Reticulum-cell sarcoma and Sjögren's syndrome in a patient treated with azathioprine. Slater A, et al. **N Engl J Med** 294(1):51, 1 Jan 76

Lymphomas as sequelae of the transplantation of CO2-treated skin autografts in mice. Goldsmith AE, et al. **Oncology** 32(5–6):247–65, 1975

CLASSIFICATION

Progress in the classification of lymphoid and/or monocytoid leukemias and of lympho and reticulosarcomas (non-Hodgkin's lymphomas). Mathé G, et al. **Biomedicine** 22(3):177–85, May 75

[Proposed classification of non-hodgkinian lymphoid hematosarcomas] Diebold J. **Ann Anat Pathol (Paris)** 20(1):35–42, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Recent progress made in the classification of lymphoid and monocytoid leukemias and of lympho- and reticulo-sarcomas] Mathe G, et al. **Ann Med Interne (Paris)** 126(8–9):523–34, Aug-Sep 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

The significance of local malignant lesions of the neck diagnosed accidentally during parathyroid exploration. Lennquist S, et al. **Acta Chir Scand** 141(8):721–4, 1975

Uveitis and reticulum cell sarcoma of brain with bilateral neoplastic seeding of vitreous without retinal or uveal involvement. Minckler DS, et al. **Am J Ophthalmol** 80(3 Pt 1):433–9, Sep 75

Cancer of the undescended or maldescended testis. Batata MA, et al. **Am J Roentgenol** 126(2):302–12, Feb 76

Letter: Normolipemic plane xanthoma and histiocytic lymphoma. Haqqani MT, et al. **Arch Dermatol** 112(10):1470–1, Oct 76

Vitreous cellular reaction. Association with reticulum cell sarcoma of brain. Kennerdell JS, et al. **Arch Ophthalmol** 93(12):1341–5, Dec 75

Successful use of combination chemotherapy in pure red cell aplasia associated with malignant lymphoma, histiocytic type. Hunt FA, et al. **Aust NZ J Med** 5(5):469–71, Oct 75

Central nervous system complications in patients with diffuse histiocytic and undifferentiated lymphoma: leukemia revisited. Bunn PA Jr, et al. **Blood** 47(1):3–10, Jan 76

Reversible lymphomatous non-obstructive uropathy. Jones WG. **Br J Urol** 47(5):524, Oct 75

Gas gangrene-like infection with Bacillus cereus in a lymphoma patient. Gröschel D, et al. **Cancer** 37(2):988–91, Feb 76

Metastatic reticulum cell sarcoma and lactic acidosis. Kachel RG. **Cancer** 36(6):2056–9, Dec 75

Acquired hypertrichosis languiginosa. Report of two new cases and a review of the literature. Samson MK, et al. **Cancer** 36(4):1519–21, Oct 75

Reticulum cell sarcoma producing bilateral proptosis. Raju GC, et al. **Indian J Ophthalmol** 22(3):22–3, Sep 74

Reticulum cell sarcoma in the course of Sjögren's syndrome. Haritopoulos NC, et al. **Int Surg** 60(8):423–4, Aug 75

Reticulum cell sarcoma of the cecum and macroglobulinemia: a case report. Levy M, et al. **J Surg Oncol** 8(2):149–53, 1976

Remote cerebral infarction as a presenting manifestation of brain tumor (primary reticulum cell sarcoma): case report. Finelli PF. **Milit Med** 141(8):548–50, Aug 76

Gluten-sensitive enteropathy and intestinal lymphoreticulosis. A case report. Fehmers MC, et al. **Neth J Med** 18(2):83–8, 1975

Locked-in syndrome caused by a tumor. Cherington M, et al. **Neurology (Minneap)** 26(2):180–2, Feb 76

Rapid onset of pulmonary infiltration due to histiocytic lymphoma. Dunnick NR, et al. **Radiology** 118(2):281–5, Feb 76

The benign lymphoepithelial lesion--a harbinger of neoplasia. Causey JQ. **South Med J** 69(1):60–3, Jan 76

Massive spinal cord infarction due to vascular invasion by reticulum cell sarcoma. Isrow LA, et al. **Va Med Mon** 103(3):213–7, Mar 76

[Retothelsarcoma of the stomach with skin manifestations (author's transl)] Janula J, et al. **Cesk Dermatol** 51(1):27–30, Feb 76 (Eng. Abstr.) **(Cze)**

[Paraneoplastic syndrome with papulo-keratosic lesions of the extremities and diffuse spinulose pilar keratosis] Nazzaro P, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):411–3, 1974 **(Fre)**

[Velopharyngolaryngeal myoclonus during the course of a case of cerebral reticulosarcoma] Eber AM, et al. **Rev Otoneuroophtalmol** 47(2):91–6, Mar-Apr 75 **(Fre)**

[Intrathoracal tumor with accompanying hypoglycemia] Ellorhaoui M, et al. **Z Gesamte Inn Med** 31(3):77–81, 1 Feb 76 (Eng. Abstr.) **(Ger)**

[Cytochemical observations in malignant lymphoma associated with chronic myelosis] Raposa T, et al. **Orv Hetil** 116(42):2479–84, 19 Oct 75 **(Hun)**

[A case of primary reticulum cell sarcoma of the brain with uveitis (author's transl)] Maekawa K, et al. **Neurol Surg (Tokyo)** 3(11):955–9, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Coexistence of reticulum cell sarcoma of the gastrointestinal tract and laryngeal carcinoma] Trzosiński R. **Pol Przegl Chir** 47(11):1329–31, Nov 75 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Intraocular reticulum cell sarcoma. Diagnosis by pars plana vitrectomy. Michels RG, et al. **Arch Ophthalmol** 93(12):1331–5, Dec 75

Small intestinal lymphoma presenting as malabsorption after vagotomy and gastrojejunostomy. Barrowman JA, et al. **Br J Clin Pract** 30(1):21–2, Jan 76

Reticulum cell sarcoma (microglioma): report of two cases. Fox AR. **J Am Osteopath Assoc** 74(11):1052–8, Jul 75

Encasement of the spleen: case report. Johnson PM, et al. **J Nucl Med** 16(8):718–9, Aug 75

Some experience with 57Co-labeled bleomycin as a tumor-seeking agent. Rasker JJ, et al. **J Nucl Med** 16(11):1058–69, Nov 75

Lymphoid tumours of the orbit. Prognosis as determined by histology. Haye C. **Mod Probl Ophthalmol** 14:361–3, 1975

[Intraocular and cerebral reticular sarcoma] Babel J, et al. **Arch Ophtalmol (Paris)** 35(5):409–16, May 75 (Eng. Abstr.) **(Fre)**

[Malignant non-Hodgkin lymphomas] Martin A, et al. **J Fr Otorhinolaryngol** 24(5):373–9, May 75 **(Fre)**

[Isolated malignant lymphoma of the rectum(author's transl)] Correia JP, et al. **Leber Magen Darm** 5(6):246–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Rare localization of a reticulum-cell sarcoma in the clavicular epiphysis] Dietz R. **Strahlentherapie** 151(3):222–7, Mar 76 **(Ger)**

[Reticulosarcomatosis (type Gottron)] Knickenberg M, et al. **Z Hautkr** 50(19):825–7, 1 Oct 75 **(Ger)**

[Acute myeloid monocytic leukemia with multiple cutaneous nodes simulating the so-called reticulosarcomatosis cutis Gottron] Runne U. **Z Hautkr** 50(19):816–7, 1 Oct 75 **(Ger)**

[Primary reticulosarcoma of bone] Zacharjasiewicz I, et al. **Chir Narzadow Ruchu Ortop Pol** 40(6):741–6, 1975 (Eng. Abstr.) **(Pol)**

[Reticulosarcoma localized in the genital organs of a young woman] Hanuszek K, et al. **Ginekol Pol** 47(4):429–32, Apr 76 (Eng. Abstr.) **(Pol)**

[Ileal reticulosarcoma with clinical manifestations of acute appendicitis] Piotrowski Z. **Wiad Lek** 29(8):751–3, 15 Apr 76 (Eng. Abstr.) **(Pol)**

[Reticulosarcoma of the maxilla] Ristić J, et al. **Med Pregl** 28(11–12):541–3, 1975 **(Ser)**

DRUG THERAPY

Reticulum-cell sarcoma with intracardiac metastases. Case with angiocardiographic improvement after chemotherapy. Conde CA, et al. **Am J Cardiol** 36(3):357–62, Sep 75

The influence of chemotherapy on the management of non-Hodgkin's lymphomata at the Princess Margaret Hospital. A comparison of the results from 1962–64 with 1967–69. Bergsagel DE, et al. **Br J Cancer** 31 SUPPL 2:489–96, Mar 75

Advanced non-Hodgkins' lymphomas: response to treatment with combination chemotherapy and factors influencing prognosis. Roeser HP, et al. **Br J Haematol** 30(2):233–47, Jun 75

Methotrexate and citrovorum factor rescue in the management of childhood lymphosarcoma and reticulum cell sarcoma (non-Hodgkin's lymphomas): parolonged unmaintained remissions. Djerassi I, et al. **Cancer** 38(3):1043–51, Sep 76

1,3-bis(2-chloroethyl)-1-nitrosourea(BCNU), cyclophosphamide, vincristine- and prednisone-(BCOP). A new therapeutic regimen for diffuse histiocytic lymphoma. Durant JR, et al. **Cancer** 36(6):1936–44, Dec 75

Combination chemotherapy of the malignant lymphomas: a controlled clinical trial. Lenhard RE Jr, et al. **Cancer** 38(3):1052–9, Sep 76

The orthomolecular treatment of cancer. III. Reticulum cell sarcoma: double complete regression induced by high-dose ascorbic acid therapy. Cameron E, et al. **Chem Biol Interact** 11(5):387–93, Nov 75

Multiple agent chemotherapy for advanced histiocytic lymphoma. Adler S, et al. **Eur J Cancer** 12(5):395–403, May 76

Methotrexate, cyclophosphamide and vincristine (MEV regimen) for non-Hodgkin's lymphoma. Lauria F, et al. **Eur J Cancer** 11(5):343–9, May 75

[Adriamycin, VM 26, cyclophosphamide and prednisone (AVmCP) combination in the therapy of disseminated lymphoreticulosarcoma (Stages or topographical forms III and IV] Misset JL, et al. **Nouv Presse Med** 4(44):3117–20, 20 Dec 75 (Eng. Abstr.) **(Fre)**

[Polychemotherapy in the treatment of advanced malignant lymphatic diseases] Focan C, et al. **Rev Med Liege** 30(12):406–11, 15 Jun 75 **(Fre)**

[Results of the synchronization therapy with vincristine and cyclophosphamide in lymphogranulomatosis, reticulum cell sarcoma and lymphosarcoma. A phase II study (author's transl)] Klein HO, et al. **Dtsch Med Wochenschr** 100(35):1719–26, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Cytostatic therapy of primary lympho- and reticulosarcoma of the stomach] Reis HE, et al. **Med Welt** 26(33–34):1447–9, 22 Aug 75 **(Ger)**

ETIOLOGY

EB virus: malignant lymphoma in cottontop marmosets following inoculation and recovery of the virus from cells of an experimental tumor maintained in organ culture. Shope TC, et al. **Bibl Haematol** (40):375–83, 1975

Editorial: The immune system and malignancy: another perspective. Bentley HP, et al. **J Pediatr** 87(3):503–4, Sep 75

Letter: Cytomegalovirus and lymphoma in a pediatric transplant recipient. Matas AJ, et al. **J Pediatr** 87(3):494–5, Sep 75

Poikiloderma atrophicans vasculare as a pointer to reticulosis of the skin. Chapman RS, et al. **Postgrad Med J** 51(597):463–7, Jul 75

Adult coeliac disease. A case with ulceration, dermatitis herpetiformis and reticulosarcoma. Tönder M, et al. **Scand J Gastroenterol** 11(1):107–11, 1976

[Radiation-induced cancers. Apropos of 2 cases] Rigaud A, et al. **Ann Med Interne (Paris)** 126(12):837–45, Dec 75 **(Fre)**

[Jejunal reticulosarcoma complicating adult celiac disease] Capron JP, et al. **Nouv Presse Med** 5(2):80–2, 10 Jan 76 **(Fre)**

[Reticulum cell sarcoma as a complication of sprue] Schulz HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 35(2):81–90, 1975 **(Ger)**

FAMILIAL & GENETIC

Histiocytic lymphomas with the marker chromosome 14q+. Mark J. **Hereditas** 81(2):289–92, 1975

IMMUNOLOGY

Properties of transplantable reticulum cell sarcomas in SJL/J mice. Lerman SP, et al. **Adv Exp Med Biol** 66:691–7, 1976

Immune functions characteristic of SJL/J mice and their association with age and spontaneous reticulum cell sarcoma. Owens MH, et al. **Cancer Res** 36(3):1077–83, Mar 76

Properties of reticulum cell sarcomas in SJL/J mice. II. Fate of labeled tumor cells in normal and irradiated syngeneic mice. Carswell EA, et al. **Cell Immunol** 23(1):39–52, Apr 76

Properties of reticulum cell sarcomas in SJL/J mice. III. Promotion of tumor growth in irradiated mice by normal lymphoid cells. Lerman SP, et al. **Cell Immunol** 23(1):53–67, Apr 76

Immuno-histological observations upon the development of reticulum cell sarcoma in the mouse. Taylor CR. **J Pathol** 118(4):201–19, Apr 76

The role of the spleen and immunity in the metastatic pattern of a murine reticulum cell sarcoma. Faraci RP, et al. **J Surg Oncol** 7(1):85–92, 1975

Phagocytosis and cytolysis by a macrophage tumour and its cloned cell line. Ralph P, et al. **Nature** 257(5525):393–4, 2 Oct 75

METABOLISM

Transfer RNA and transfer RNA methylase activity in spleens of patients with Hodgkin's disease and histiocytic lymphoma. Murphy TL, et al. **J Natl Cancer Inst** 56(2):215–9, Feb 76

[Clinical and cytochemical parallels in lymphoreticulosarcoma in children] Ermakov ES, et al. **Vopr Okhr Materin Det** 20(10):40–3, Oct 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Incomplete viral synthesis in Friend leukemia virus–induced reticulum cell sarcomas. Black DR, et al. **Int J Cancer** 17(2):245–53, 15 Feb 76

PATHOLOGY

Microglioma and/or reticulosarcoma of the nervous system. Polak M. **Acta Neuropathol [Suppl] (Berl)** Suppl 6:115–8, 1975

Reticulosarcomatosis originating from skin—A clinicopathological study. Okayasu I, et al. **Acta Pathol Jpn** 25(2):201–12, Mar 75

Middle Eastern intestinal lymphoma: report of a case and review of the literature. Zarrabi MH, et al. **Am J Med Sci** 272(1):101–19, Jul–Aug 76

Rosette formation of human erythrocytes on canine transmissible venereal sarcoma cells. Yang TJ, et al. **Am J Pathol** 83(2):359–66, May 76

Cytology in the classification of diffuse non–leukaemic malignant lymphomata (lympho– and reticulosarcomata). Mathé G, et al. **Br J Cancer** 31 SUPPL 2:53–9, Mar 75

Primary reticulum cell sarcoma of testis in a 12–year–old. Weitzner S, et al. **Cancer** 37(2):935–8, Feb 76

An immunohistological study of follicular lymphoma, reticulum cell sarcoma and Hodgkin's disease. Taylor CR. **Eur J Cancer** 12(1):61–75, Jan 76

Intracisternal A particles in transplantable reticulum cell sarcoma of rats. Mori H, et al. **Gann** 66(6):693–5, Dec 75

Histological sexing of a reticulum cell sarcoma arising after liver transplantation. Portmann B, et al. **Gastroenterology** 70(1):82–4, Jan 76

Establishment and characterization of a human histiocytic lymphoma cell line (U–937). Sundström C, et al. **Int J Cancer** 17(5):565–77, 15 May 76

Lymphoma with large intracavitary metastasis to the heart. Report of a case. Ancalmo N, et al. **J Cardiovasc Surg (Torino)** 17(2):136–9, Mar–Apr 76

Malignant lymphoma of the cervix uteri: histology and ultrastructure. Carr I, et al. **J Clin Pathol** 29(8):680–6, Aug 76

Membrane markers in 'histiocytic' lymphomas (reticulum cell sarcomas). Brouet JC, et al. **J Natl Cancer Inst** 56(3):631–3, Mar 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 39–1975. **N Engl J Med** 293(14):712–7, 2 Oct 75

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 41–1976. **N Engl J Med** 295(15):828–34, 7 Oct 76

Primary reticulum cell sarcoma of the uterus. Gall JA, et al. **Oncology** 31(3–4):157–63, 1975

[Studies on reticulum cell neoplasms] **Chin Med J [Engl]** (6):452–4, 1975 **(Chi)**

[Cerebral reticulum cell sarcoma–microglioma] Sehested M. **Ugeskr Laeger** 137(43):2522–3, 20 Oct 75 (Eng. Abstr.) **(Dan)**

[Clinico–pathological conference XXVII: clinically malignant disease with normal biopsy findings] Raivio K, et al. **Duodecim** 91(14–15):893–900, 1975 **(Fin)**

[Chromosome study in leukemic C57Bl mice] Léonard A, et al. **C R Soc Biol (Paris)** 169(2):464–7, 1975 (Eng. Abstr.) **(Fre)**

[Ultrastructure and combined cytostatic treatment of reticulosarcomatosis of the skin] Haustein UF, et al. **Dermatol Monatsschr** 161(8):646–58, Aug 75 (Eng. Abstr.) **(Ger)**

[Undifferentiated cerebral reticulosarcoma] Reinisch H, et al. **Nervenarzt** 46(9):542–4, Sep 75 **(Ger)**

[Case of plasmacyte reitculosarcoma] Buscarini L, et al. **Curr Top Microbiol Immunol** 70:999–1011, 1975 (Eng. Abstr.) **(Ita)**

[Case of reticulum cell sarcoma with unusual mode of infiltration thoracic cavity and pericardium) and with involvement of the heart as the primary site] Kawaji K, et al. **Jpn J Clin Med** 33(12):3547–52, Dec 75 **(Jpn)**

[Nasopharyngeal lymphoreticular sarcoma] Borówka T, et al. **Otolaryngol Pol** 30(1):39–44, 1976 (Eng. Abstr.) **(Pol)**

[Case of prostatic reticulosarcoma in a 19–year–old male] Musiatowicz B, et al. **Pol Tyg Lek** 31(27):1167–8, 5 Jul 76 (Eng. Abstr.) **(Pol)**

[Reticulosarcoma of the thyroid gland] Zagrebin VM, et al. **Arkh Patol** 38(2):87–8, 1976 **(Rus)**

[Multiple, ulcerative reticulosarcoma of the small intestine] Galeev UG. **Khirurgiia (Mosk)** (9):130–1, Sep 75 **(Rus)**

[Lymphoblastic reticulosarcoma of the gallbladder] Pogorzhel'skiĭ VI, et al. **Vrach Delo** (1):68–9, Jan 76 **(Rus)**

[Rare case of symptomless metastasis of tonsillar reticulosarcoma into the heart] Kulik II. **Zh Ushn Nos Gorl Bolezn** (3):86–7, May–Jun 75 **(Rus)**

PHYSIOPATHOLOGY

Pituitary function in patients receiving intermittent cytotoxic and corticosteroid therapy for malignant lymphoma. Naysmith A, et al. **Lancet** 1(7962):715–7, 3 Apr 76

[The kinetics of reticulosarcomatosis development in mice and the effect of chemotherapeutic preparations] Dronova LM, et al. **Izv Akad Nauk SSSR [Biol]** (1):140–4, Jan–Feb 76 **(Rus)**

PREVENTION & CONTROL

Decreased incidence of reticulum cell sarcoma in whole body irradiated and bone marrow shielded mice. Covelli V, et al. **Br J Cancer** 31(3):369–71, Mar 75

RADIOGRAPHY

Angiography in disease of the peripancreatic lymph nodes. Tylén U. **Acta Radiol [Diagn] (Stockh)** 16(6):625–32, Nov 75

Radiology in primary reticulum cell sarcoma of bone (a review of 53 cases). Mukadum FK, et al. **Indian J Cancer** 12(2):170–8, Jun 75

[Radiological aspects of primary lympho–reticulosarcomas of the stomach (in relation to 20 cases) (author's transl)] Le Cudonnec B, et al. **Ann Radiol (Paris)** 18(6):609–18, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Proceedings: primary reticulosarcoma of the spleen] Huber B, et al. **J Radiol Electrol Med Nucl** 56(12):926, Dec 75 **(Fre)**

[Reticulosarcoma of the mammary gland] Grünberg G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):465–6, May 75 **(Ger)**

[Mode of progression in reticulum cell sarcoma and lymphosarcoma and considerations on the value of lymphography] Okawa T, et al. **Jpn J Clin Radiol** 20(8):617–25, Aug 75 **(Jpn)**

[Bone lesions of malignant lymphoma (author's transl)] Watanabe T. **Nippon Acta Radiol** 35(3):111–8, 25 Mar 75 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radiotherapy of primary malignant tumours of the orbit. Lederman M. **Mod Probl Ophthalmol** 14:170–6, 1975

[Reticulum cell sarcoma with special emphasis on the mode of spread and prognosis after radiotherapy (author's transl)] Horiuchi J, et al. **Nippon Acta Radiol** 36(1):35–42, 1976 (Eng. Abstr.) **(Jpn)**

[A case of reticulum cell sarcoma of the skin showing abscopal effect during radiotherapy (author's transl)] Matsubara S, et al. **Nippon Acta Radiol** 35(10):860–7, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[Radiation therapy of lymphoreticular sarcomas and lymphoepitheliomas of the nasopharynx] Vorob'ev Iul, et al. **Med Radiol (Mosk)** 21(2):36–41, Feb 76 (Eng. Abstr.) **(Rus)**

SURGERY

Reticulum–cell sarcoma of the cervix. Delgado G, et al. **Am J Obstet Gynecol** 125(5):691–4, 1 Jul 76

THERAPY

Treatment of advanced non–Hodgkin's lymphomas with favorable histologies: preliminary results of a prospective trial. Portlock CS, et al. **Blood** 47(5):747–56, May 76

Combination chemotherapy and radiotherapy in non–Hodgkin's lymphomata. Bonadonna G, et al. **Br J Cancer** 31 SUPPL 2:481–8, Mar 75

Non–Hodgkin's malignant lymphomata in adults: chemo–radiotherapy in stages III and IV. Pouillart P, et al. **Br J Cancer** 31 SUPPL 2:505–11, Mar 75

Allogeneic bone marrow chimerism in germ–free mice. IV. Therapy of 'Hodgkin's–like' reticulum cell sarcoma in SJL mice. Truitt RL, et al. **Transplantation** 21(1):12–6, Jan 76

VETERINARY

Neoplasms of mesenchymal origin in the spinal cord and nerve roots of three dogs. Vandevelde M, et al. **Vet Pathol** 13(1):47–58, 1976

SARCOMA, ROUS see **ROUS SARCOMA**

SARCOMA, YOSHIDA

An infallible method for producing ascitic fluid from solid tumours. Altman RF, et al. **Arch Geschwulstforsch** 45(4):342–6, 1975

Letter: Resistance of rats to Yoshida ascites sarcoma. Allegretti N, et al. **Biomedicine [Express]** 23(9):396–7, 10 Nov 75

Normal & malignant tissues—an investigation by pulsed nuclear magnetic resonance. Chaughule RS, et al. **Indian J Biochem Biophys** 11(3):256–8, Sep 74

Isolation procedures and partial characterization of mitochondrial ribosomes from Yoshida ascites hepatoma A.H. 130 cells. Montalvo A, et al. **Rev Esp Fisiol** 31(3):197–200, Sep 75

BLOOD

Platelet adhesiveness and cancer cell stickiness: a comparative study. Jacobi E. **Pfluegers Arch** 361(1):65–8, 19 Dec 75

DRUG THERAPY

Peripheral blood lymphocyte nucleoli of rats with Yoshida ascitic sarcoma and the effect of cyclophosphamide. Matějková E. **Folia Biol (Praha)** 21(5):349–53, 1975

Proliferation kinetics of tumor and host cells after chemotherapeutic treatment. Takemitsu A. **Nagoya J Med Sci** 37(3–4):59–70, Mar 75

Changes in lysosomal enzyme activities of Yoshida sarcoma cells in rats treated with anticancer agents in relation to their therapeutic effects. Abe I, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 21(3–4):76–86, Dec 74

[Tumour inhibitory N–(bis—(2–chlorethyl)–aminomethyl)–urethanes (author's transl)] Schinenberger H, et al. **Z Krebsforsch** 84(3):277–40, 25 Nov 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Protein kinases from liver mitochondria of tumour–bearing rats. Sankaran K, et al. **Biochim Biophys Acta** 438(2):412–23, 8 Jul 76

Two forms of thymidine kinase in normal and tumor tissues of animals. Ohash IM, et al. **Cancer Res** 36(7 PT 1):2216–22, Jul 76

Activity of some peptide hydrolases in muscle from tumour–bearing rats. Holmes D, et al. **Eur J Cancer** 10(10):683–9, Oct 74

IMMUNOLOGY

Concomitant immunity in rats inoculated with Yoshida ascites sarcoma. Andreis I, et al. **Acta Med Iugosl** 30(1):31–6, 1976

Changes of enzyme activities in spleen lymphocytes from tumor–bearing rats. Saijo N, et al. **Gann** 66(3):253–7, Jun 75

Yoshida ascites sarcoma grown in mice. Maruüsić M, et al. **Int Arch Allergy Appl Immunol** 49(4):568–72, 1975

A study of the immuno–suppressive activity of Herpes simplex virus type 2 and the tumor enhancing potential of the virus on Yoshida sarcoma. Reiss–Gutfreund RJ, et al. **Osterr Z Onkol** 2(2–3):63–8, 1975

The cellular basis of immunity against Yoshida ascites sarcoma in T cell deficient mice. Allegretti N, et al. **Transplantation** 22(1):69–71, Jul 76

METABOLISM

Alpha–Fetoprotein synthesis in cultured cells: studies on Yoshida sarcoma and ascites hepatoma in vitro. Isaka H, et al. **Ann NY Acad Sci** 259:74–9, 22 Aug 75

The binding of (3H)chlorambucil to isolated nuclear proteins of the Yoshida ascites sarcoma. Sellwood SM, et al. **Biochem Soc Trans** 3(5):649–51, 1975

DNA–binding proteins in Yoshida ascites tumor fluid. Kroll J, et al. **Biochim Biophys Acta** 434(2):490–501, 15 Jun 76

RNA synthesis in Yoshida ascites tumor cells after ultraviolet and gamma irradiation. Ramakrishnan N, et al. **Biochim Biophys Acta** 435(2):119–27, 18 Jun 76

Protein synthesis by phytohaemoagglutinin–activated, non–lymphocytic cells. A statistical investigation. Roveta G, et al. **Boll Soc Ital Biol Sper** 51(11):676–8, 15 Jun 75

Effect of methyl methanesulphonate (MMS) and methylene dimethanesulphonate (MDMS) on the template activity of DNA isolated from MDMS–sensitive and –resistant Yoshida cells. Institoris E, et al. **Chem Biol Interact** 11(6):501–6, Dec 75

The effect of dibromodulcitol on the template activity of DNA chromatin and nuclei from Yoshida sarcoma cells. Institóris E, et al. **Chem Biol Interact** 12(3–4):241–50, Mar 76

The binding of [3H]chlorambucil to nuclear proteins of the Yoshida ascites sarcoma. Riches PG, et al. **Chem Biol Interact** 11(4):291–9, Oct 75

The interaction of bifunctional alkylating agents with the DNA of tumour cells. Harrap KR, et al. **Eur J Cancer** 12(1):53–9, Jan 76

Distribution of 64Cu–bleomycin in normal and tumor–bearing rats. Tragl KH, et al. **Eur J Cancer** 12(1):19–23, Jan 76

Aspects of the biochemical pharmacology of cytembena. Jackson RC, et al. **Neoplasma** 22(3):259–68, 1975

Modification of cancer cells radiosensitivity. III. Influence of the crabtree effect on radiosensitivity of yoshida sarcoma solid tumours. Watras J, et al. **Radiobiol Radiother (Berl)** 16(5):581–7, 1975

[Action of the 'Ca–ionophore' X–537A on the electrolyte content and metabolism of Yoshida ascites tumour cells: a model for the analysis of Mg deficiency (author's transl)] Günther T, et al. **J Clin Chem Clin Biochem** 14(7):365–71, Jul 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Analysis of incipient growth of Yoshida sarcoma in vivo after transplantation of a small number of tumor cells. Ashihara T. **Gann** 67(1):75–80, Feb 76

An experimental postoperative metastasis system using Yoshida sarcoma inoculated subcutaneously into footpad.

Imai R, et al. **Gann** 66(1):69–73, Feb 75

Instability of the duration of G1 phase of Yoshida sarcoma and ascites hepatomas. Okumura Y, et al. **Growth** 39(3):331–6, Sep 75

[The cell-killing kinetics of antimetabolites and Vinca alkaloids against in vitro cultured Yoshida ascites sarcoma cells (author's transl)] Shimoyama M. **J Jpn Soc Cancer Ther** 10(2):202–8, 20 Jun 75 (Eng. Abstr.) **(Jpn)**

[The quantative measurement of cytocidal actions of antimetabolites, Vinca alcaloids and L-asparaginase against in vitro cultured Yoshida ascites sarcoma cells] Shimoyaya M. **J Jpn Soc Cancer Ther** 10(2):195–201, 20 Jun 75 (Eng. Abstr.) **(Jpn)**

THERAPY

The influence of tumor volume and the degree of heating on the response of the solid Yoshida sarcoma to hyperthermia (40–42 degrees). Dickson JA, et al. **Cancer Res** 36(3):1188–95, Mar 76

SARCOPLASMIC RETICULUM

Functional and structural roles of sarcoplasmic reticulum protein components. **FEBS Lett** 60(1):122–5, 1 Dec 75

Sarcoplasmic reticulum from barnacle muscle; composition and calcium uptake properties. García AM, et al. **FEBS Lett** 58(1):344–8, 15 Oct 75

[Permeability of plane bilayer lipid membranes in the presence of sarcoplasmic reticulum vesicles] Sergeeva NS, et al. **Biofizika** 20(6):1029–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

The interaction of a proteolipid from sarcoplasmic reticulum membranes with phospholipids. A spin label study. Laggner P, et al. **Arch Biochem Biophys** 170(1):92–101, Sep 75

Comparative study of the lipid composition of rabbit and lobster sarcoplasmic reticulum. Madeira VM, et al. **Can J Biochem** 54(5):516–20, May 76

Ca2+-ATPase activity and lipid composition of sarcoplasmic reticulum of the gastrocnemius muscle of denervated frog. Krishnamoorthy RV. **Indian J Physiol Pharmacol** 19(3):121–8, Jul–Sep 75

Organization of lipids in sarcoplasmic reticulum membrane and Ca2+-dependent ATPase activity. Nakamura M, et al. **J Biochem (Tokyo)** 78(5):1039–45, Nov 75

The different fatty acids composition of lecithins in the sarcoplasmic reticulum vesicles and the membranes of adrenal chromaffin granules. Balzer H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(4):319–33, 17 Dec 75

Abnormalities in Duchenne dystrophic sarcoplasmic reticulum proteins. Samaha FJ, et al. **Trans Am Neurol Assoc** 100:135–40, 1975

Arrangement of proteins and lipids in the sarcoplasmic membrane. Hasselbach W, et al. **Z Naturforsch [C]** 30(5):681–3, Sep–Oct 75

[High voltage electrophoresis in starch gel of sarcoplasmatic and myofibrillar proteins of animal skeletal muscles] Yakubov GZ, et al. **Prikl Biokhim Mikrobiol** 11(2):294–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of local anaesthetics on calcium transport by canine cardiac microsomes (fragmented sarcoplasmic reticulum). Katz AM, et al. **Cardiovasc Res** 9(6):764–9, Nov 75

Effect of X-537A– on the phosphorylated protein in sarcoplasmic reticulum vesicles. Osório e Castro VR, et al. **Experientia** 32(4):424–6, 15 Apr 76

An effect of the cardiotoxic protein volvatoxin A on the function and structure of heart muscle cells. Fassold E, et al. **J Mol Cell Cardiol** 8(7):501–19, Jul 76

Calcium in the control of cardiac contraction and relaxation: the cardiac relaxing system (sarcoplasmic reticulum fragments) and the effects of ionophoric antibiotics. Entman ML, et al. **Recent Adv Stud Cardiac Struct Metab** 4:437–50, 1974

Calcium release from skeletal muscle sarcoplasmic reticulum: site of action of dantrolene sodium. Van Winkle WB. **Science** 193(4258):1130–1, 17 Sep 76

ENZYMOLOGY

Isolation and characterization of tryptic fragments of the sarcoplasmic reticulum adenosine triphosphatase. Stewart PS, et al. **Ann NY Acad Sci** 264:326–34, 30 Dec 75

The mechanism of ATP hydrolysis by sacoplasmic reticulum. Coffey RL, et al. **Arch Biochem Biophys** 170(1):37–48, Sep 75

Cross-linking of the sarcoplasmic reticulum ATPase protein. Murphy AJ. **Biochem Biophys Res Commun** 70(1):160–6, 3 May 76

Arginyl residue modification of the sarcoplasmic reticulum ATPase protein. Murphy AJ. **Biochem Biophys Res Commun** 70(4):1048–54, 21 Jun 76

Mechanism of quinidine and chlorpromazine inhibition of sarcotubular ATPase activity. Pang DC, et al. **Biochem Pharmacol** 25(1):21–5, Jan 76

The influence of lipids on the conformation of the adenosine triphosphatase of sarcoplasmic reticulum and of other membrane proteins. Green NM. **Biochem Soc Trans** 3(5):604–6, 1975

Retention of enzyme activity by detergent-solubilized sarcoplasmic Ca2+ -ATPase. Marie M, et al. **Biochemistry** 15(11):2336–42, 1 Jun 76

Molecular weights and hydrophobicity of the polypeptide chain of sarcoplasmic reticulum calcium(II) adenosine triphosphatase and of its primary tryptic fragments. Rizzolo LJ, et al. **Biochemistry** 15(16):3433–7, 10 Aug 76

Binding of antibody to the active site of the adenosine triphosphatase of sarcoplasmic reticulum. Hardwicke PM. **Biochim Biophys Acta** 422(2):357–64, 13 Feb 76

Assembly of ATPase protein in sarcoplasmic reticulum membranes. Scales D, et al. **Biophys J** 16(7):735–51, Jul 76

Absence of cold resistance in sarcoplasmic Ca--ATPase in a hibernating mammal. Becker JH, et al. **Comp Biochem Physiol [B]** 52(4):533–5, 15 Dec 75

The binding of lipid to the lipid-free adenosine triphosphatase protein of sarcoplasmic reticulum. Hardwicke MD. **Eur J Biochem** 62(3):431–8, 1 Mar 76

Separation and characterisation of tryptic fragments from the adenosine triphosphatase of sarcoplasmic reticulum. Thorley-Lawson DA, et al. **Eur J Biochem** 59(1):193–200, 1 Nov 75

Effect of heat treatment on the ATPase activity of various sarcoplasmic reticulum preparations. Carvalho CA, et al. **Experientia** 32(4):428–30, 15 Apr 76

Muscular dystrophy of the chicken: distribution of subcellular organelles in zonal gradients. pp. 395–400. Owens K, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

In vitro studies of mitochondrial and sarcoplasmic reticulum function in muscle of stress susceptible pigs. Campion DR, et al. **J Anim Sci** 43(2):426–31, Aug 76

Inhibition of Ca2+ uptake into fragmented sarcoplasmic reticulum by antibodies against purified Ca2+, Mg2+-dependent ATPase. Sumida M, et al. **J Biochem (Tokyo)** 78(4):757–62, October 75

Reaction mechanism of the Ca(2)+-dependent ATPase of sarcoplasmic reticulum from skeletal muscle. XI. Re-evaluation of the transition of ATPase activity during the initial phase. Sumida M, et al. **J Biochem (Tokyo)** 79(2):259–64, Feb 76

Chemical modification of the Ca2+ -dependent ATPase of sarcoplasmic reticulum from skeletal muscle. II. Use of 2, 4, 6-trinitrobenzenesulfonate to show functional movements of the ATPase molecule. Yamamoto T, et al. **J Biochem (Tokyo)** 79(4):693–707, Apr 76

Association of gylcogenolysis with cardiac sarcoplasmic reticulum. Entam ML, et al. **J Biol Chem** 251(10):3140–6, 25 May 76

Transient state kinetic effects of calcium ion on sarcoplasmic reticulum adenosine triphosphatase. Froehlich JP, et al. **J Biol Chem** 251(8):2307–15, 25 Apr 76

Role of phospholipids in the calcium-dependent ATPase of the sarcoplasmic reticulum. Enzymatic and ESR studies with phospholipid-replaced membranes. Hidalgo C, et al. **J Biol Chem** 251(14):4224–32, 25 Jul 76

Assembly of the sarcoplasmic reticulum. Biosynthesis of the adenosine triphosphatase in rat skeletal muscle cell culture. Holland PC, et al. **J Biol Chem** 241(7):2030–6, 10 Apr 76

Transport and inhibitory Ca2+ binding sites on the ATPase enzyme isolated from the sarcoplasmic reticulum. Ikemoto N. **J Biol Chem** 250(18):7219–24, 25 Sep 75

Phospholipid-protein interactions in the Ca2+-adenosine triphosphatase of sarcoplasmic reticulum. Knowles AF, et al. **J Biol Chem** 251(17):5161–65, 10 Sep 76

Mechanism of ATP hydrolysis by sarcoplasmic reticulum and the role of phospholipids. Nakamura H, et al. **J Biol Chem** 251(17):5414–23, 10 Sep 76

Mechanism of action of 'ruthenium red' compounds on Ca2+ ionophore from sarcoplasmic reticulum (Ca2+ + Mg2+)-adenosine triphosphatase and lipid bilayer. Shamoo AE, et al. **J Biol Chem** 250(20):8289–91, 25 Oct 75

Isolation and characterization of tryptic fragments of the adenosine triphosphatase of sarcoplasmic reticulum. Stewart PS, et al. **J Biol Chem** 251(3):712–9, 10 Feb 76

Separate effects of mercurial compounds on the ionophoric and hydrolytic functions of the (Ca++ +Mg++)-ATPase of sarcoplasmic reticulum. Shamoo AE, et al. **J Membr Biol** 25(1-2):65–74, 4 Dec 75

The effect of hyperthyroidism on the sarcoplasmic reticulum and myosin ATPase of dog hearts. Conway G, et al. **J Mol Cell Cardiol** 8(1):39–51, Jan 76

The acyltransferase activity of adrenal medulla and sacroplasmic reticulum of skeletal muscles. Khan AR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(4):335–45, 17 Dec 75

The mechanism of chlorpromazine and quinidine inhibition of cardiac sarcotubular ATPase. Pang DC, et al. **Recent Adv Stud Cardiac Struct Metab** 7:421–4, 1975

[Proceedings: Reverse reaction in the solubilized transport ATPase of sarcoplasmic reticulum membrane] Kanazawa T. **J Physiol Soc Jpn** 36(8–9):355, 1 Sep 74 **(Jpn)**

[Infra-red spectra and ATPase activity of cardiac sarcoplasmatic reticulum under extreme conditions] Verbolovich VP, et al. **Biokhimiia** 40(3):566–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of La3+ on the characteristics of fragmented sarcoplasmic reticulum. Kövér A, et al. **Acta Biochim Biophys Acad Sci Hung** 11(1):23–35, 1976

Localization of platelet prostaglandin production in the platelet dense tubular system. Gerrard JM, et al. **Am J Pathol** 83(2):283–98, May 76

Mechanism of calcium transport in sarcoplasmic reticulum. Hasselbach W, et al. **Ann NY Acad Sci** 264:335–49, 30 Dec 75

Studies on calcium transport system in cardiac sarcoplasmic vesicles and its inhibition by dl-propranolol. Fujita S. **Arch Int Pharmacodyn Ther** 220(1):28–44, MAR 76

Fluorescence studies of the sarcoplasmic reticulum calcium pump. Dupont Y. **Biochem Biophys Res Commun** 71(2):544–50, 26 Jul 76

Synthesis of adenosine triphosphate during release of intravesicular and membrane-bound calcium ions from passively loaded sarcoplasmic reticulum. Vale GP, et al. **Biochem J** 156(2):239–44, 15 May 76

Effect of parathion and its metabolites on calcium uptake activity of rat skeletal muscle sarcoplasmic reticulum in vitro. Binder N, et al. **Biochem Pharmacol** 25(7):835–9, 1 Apr 76

Isolation and properties of a sarcoplasmic calcium-binding protein from crayfish. Cox JA, et al. **Biochemistry** 15(12):2613–8, 15 Jun 76

Lipid molecular motion and enzyme activity in sarcoplasmic reticulum membrane. Davis DG, et al. **Biochemistry** 15(6):1271–6, 23 Mar 76

ADP-activated calcium ion exchange in sarcoplasmic reticulum vesicles. Beirão PS, et al. **Biochim Biophys Acta** 433(3):520–30, 21 May 76

Correlation between protein kinase-mediated stimulation of calcium transport by cardiac sarcoplasmic reticulum and phosphorylation of a 22000 dalton protein. Kirchberger MA, et al. **Biochim Biophys Acta** 419(3):559–62, 6 Feb 76

Phospholipid biosynthesis in sarcoplasmic reticulum membrane during development. Sarzale MG, et al. **Biochim Biophys Acta** 441(1):81–92, 20 Jul 76

The rate of calcium uptake into sarcoplasmic reticulum of cardiac muscle and skeletal muscle. Effects of cyclic AMP-dependent protein kinase and phosphorylase b kinase. Schwartz A, et al. **Biochim Biophys Acta** 426(1):57–72, 19 Feb 76

Utilization of X-537A to distinguish between intravesicular and membrane-bound calcium ions in sarcoplasmic reticulum. Vale MG, et al. **Biochim Biophys Acta** 413(2):202–12, 1 Dec 75

Binding of nucleotides ATP and ADP to sarcoplasmic reticulm: study by rate of dialysis. Tenu JP, et al. **Biochimie** 58(5):513–9, 1976

Ca transport of sarcoplasmic reticulum during experimental uremia. Heimberg KW, et al. **Calcif Tissue Res** 21 Suppl:53–8, Aug 76

Characterization of the adenosinetriphosphatase and calsequestrin isolated from sarcoplasmic reticulum of normal and dystrophic chickens. YAP JL, et al. **Can J Biochem** 54(7):670–3, Jul 76

Differential effects of mercurial compounds on excitable tissues. Shamoo AE, et al. **Chem Biol Interact** 12(1):41–52, Jan 76

Active Ca transport of sacroplasmic reticulum during experimental uremia. Changes in kinetics and lipid composition. Heimberg KW, et al. **Eur J Biochem** 61(1):207–13, 2 Jan 76

The biphasic active transport of calcium by the fragmented sarcoplasmic reticulum as revealed by the flow dialysis method. Mermier P, et al. **Eur J Biochem** 64(2):613–20, 1 May 76

Characterization of cardiac sarcoplasmic reticulum ATP-ADP phosphate exchange and phosphorylation of the calcium transport adenosine triphosphatase. Suko J, et al. **Eur J Biochem** 64(1):123–30, 15 Apr 76

Dysfunction of sarcoplasmic reticulum in rabbit and human steroid myopathy. Shoji S, et al. **Exp Neurol** 51(2):304–9, May 76

A 31-residue tryptic peptide from the active site of the [Ca++]-transporting adenosine triphosphatase of rabbit sarcoplasmic reticulum. Allen G, et al. **FEBS Lett** 63(1):188–92, 15 Mar 76

Control of calcium permeability in the sarcoplasmic reticulum. Katz AM, et al. **FEBS Lett** 67(2):207–8, 15 Aug 76

The effect of ATP upon the reactivity of SH groups in sarcoplasmic reticulum membranes. Martonosi A. **FEBS Lett** 67(2):153–5, 15 Aug 76

Cell membrane Na+, K+-ATPase and sarcoplasmic reticulum: possible regulators of intracellular ion activity. Schwartz A. **Fed Proc** 35(6):1279–82, 1 May 76 (19 ref.)

Regulation of Ca2+ transport and ATPase activity of sarcoplasmic reticulum. pp. 347–67. Carvalho AP, et al.
In: Burton RM, Packer L, ed. Biomembranes: lipids, proteins and receptors. Webster Groves, Mo., BI-Science Publications, 1975. QH 601 N12b 1974.

Some recent observations on the structure and function of sarcoplasmic reticulum. pp. 369–90. Martonosi AN.
In: Burton RM, Packer L, ed. Biomembranes: lipids, proteins and receptors. Webster Groves, Mo., BI-Science Publications, 1975. QH 601 N12b 1974. (30 ref.)

Depolarization-induced calcium release from sarcoplasmic reticulum fragments. I. Release of calcium taken up upon using ATP. Kasai M, et al. **J Biochem (Tokyo)** 79(5):1053–66, May 76

Depolarization-induced calcium release from sarcoplasmic reticulum fragments. II. Release of calcium incorporated

with ATP. Kasai M, et al. **J Biochem (Tokyo)** 79(5):1067–76, May 76

Proceedings: Reconstitution and mechanisms of ion translocation systems. Racker E. **J Biochem (Tokyo)** 79(4):46P, Apr 76

Chemical modification of the Ca2+-dependent ATPase of sarcoplasmic reticulum from skeletal muscle. I. Binding of N-ethylmaleimide to sarcoplasmic reticulum: evidence for sulfhydryl groups in the active site of ATPase and for conformational changes induced by adenosine tri- and diphosphate. Yoshida H, et al. **J Biochem (Tokyo)** 79(3):649–54, Mar 76

On a possible mechanism of energy conservation in sarcoplasmic reticulum membrane. da Gloria M, et al. **J Biol Chem** 251(12):3629–36, 25 Jun 76

Passive Ca2+ permeability of phospholipid vesicles and sarcoplasmic reticulum membranes. de Boland AR, et al. **J Biol Chem** 250(18):7501–10, 25 Sep 75

On the sidedness of membrane phosphorylation by Pi and ATP synthesis during reversal of the Ca2+ pump of sarcoplasmic reticulum vesicles. de Meis L, et al. **J Biol Chem** 251(5):1413–7, 10 Mar 76

Regulation of steady state level of phosphoenzyme and ATP synthesis in sarcoplasmic reticulum vesicles during reversal of the Ca2+ pump. de Meis L. **J Biol Chem** 241(7):2055–62, 10 Apr 76

Effect of the purified (Mg2+ + Ca2+)-activated ATPase of sarcoplasmic reticulum upon the passive Ca2+ permeability and ultrastructure of phospholipid vesicles. Jilka RL, et al. **J Biol Chem** 250(18):7511–24, 25 Sep 75

Effects of adenosine 3':5'-monophosphate-dependent protein kinase on sarcoplasmic reticulum isolated from cardiac and slow and fast contracting skeletal muscles. Kirchberger MA, et al. **J Biol Chem** 251(3):725–9, 10 Feb 76

A coupling factor from sarcoplasmic reticulum required for the translocation of Ca2+ ions in a reconstituted Ca2+ATPase pump. Racker E, et al. **J Biol Chem** 250(18):7533–4, 25 Sep 75

Reconstitution of an active calcium pump in sarcoplasmic reticulum. Repke DI, et al. **J Biol Chem** 251(10):3169–75, 25 May 76

Localization of ionophore activity in a 20,000-dalton fragment of the adenosine triphosphatase of Sarcoplasmic reticulum. Shamoo AE, et al. **J Biol Chem** 251(13):4147–54, 10 Jul 76

Mechanism of an active transport of calcium. Ethoxyformylation of sarcoplasmic reticulum vesicles. Tenu JP, et al. **J Biol Chem** 251(14):4322–9, 25 Jul 76

Phosphoprotein phosphatase-catalyzed dephosphorylation of the 22,000 dalton phosphoprotein of cardiac sarcoplasmic reticulum. Tada M, et al. **J Cyclic Nucleotide Res** 1(5):329–38, 1975

Effect of cross-reinnervation on physiological parameters and on properties of myosin and sarcoplasmic reticulum of fast and slow muscles of the rabbit. Sréter FA, et al. **J Gen Physiol** 66(6):811–21, Dec 75

Proceedings: The use of a dual-beam differential spectrophotometer with a stopped flow mixing chamger, in the study of the relase of Ca2+ from preloaded vesicles of the sarcoplasmic recticulum. Chapman RA, et al. **J Physiol (Lond)** 258(1):2P–3P, Jun 76

Contractions induced by a calcium-triggered release of calcium from the sarcoplasmic reticulum of single skinned cardiac cells. Fabiato A, et al. **J Physiol (Lond)** 249(3):469–95, Aug 75

Proceedings: Ca++ binding ability and release of sarcoplasmic reticulum from arterial smooth muscle in spontaneously hypertensive rat. Aoki K, et al. **Jpn Heart J** 17(3):352–3, May 76

Mechanisms of calcium release in sarcoplasmic reticulum. Inesi G, et al. **Life Sci** 18(8):773–9, 15 Apr 76

Calcium exchangeable fraction of sarcoplasmic reticulum in hypertrophic dog heart. Villani FP, et al. **Pharmacology** 14(2):140–7, 1976

An experiment eliminating the rotating carrier mechanism for the active transport of Ca ion in sarcoplasmic reticulum membranes. Dutton A, et al. **Proc Natl Acad Sci USA** 73(5):1532–6, May 76

Cytochemical studies on sarcoplasmic reticulum of heart and skeletal muscle. Agostini B, et al. **Recent Adv Stud Cardiac Struct Metab** 5:125–31, 1975

Role of free calcium and ATP in calcium release from cardiac sarcoplasmic reticulum fragments. Besch HR Jr, et al. **Recent Adv Stud Cardiac Struct Metab** 5:143–9, 1975

A biochemical defect in the function of the sarcoplasmic reticulum in the hereditary cardiopathy of the Syrian hamster. Gertz EW, et al. **Recent Adv Stud Cardiac Struct Metab** 1:243–50, 1972

Phospholamban: a regulatory protein of the cardiac sarcoplasmic reticulum. Kirchberber MA, et al. **Recent Adv Stud Cardiac Struct Metab** 5:103–15, 1975

Partial resolution and reconstitution of the Ca++ transport system of sarcoplasmic reticulum. Mac Lennan DH. **Recent Adv Stud Cardiac Struct Metab** 4:507–17, 1974

The mechanism of Ca transport and the permeability of sarcoplasmic reticulum membranes. Martonosi A, et al. **Recent Adv Stud Cardiac Struct Metab** 4:473–94, 1974

Involvement of protein components in calcium transport. Masoro EJ, et al. **Recent Adv Stud Cardiac Struct Metab** 4:495–506, 1974 (20 ref.)

A possible explanation for the peculiar contractile behavior displayed by rat heart muscle. Nayler WG, et al. **Recent Adv Stud Cardiac Struct Metab** 5:171–5, 1975

Fragmented sarcoplasmic reticulum of the cardiomyopathic Syrian hamster: lipid composition, Ca++ transport, and Ca++-stimulated ATPase. Owens K, et al. **Recent Adv Stud Cardiac Struct Metab** 4:541–50, 1974

Phosphoprotein formation and ADP-ATP exchange of cardiac sarcoplasmic reticulum. Suko J, et al. **Recent Adv Stud Cardiac Struct Metab** 5:117–23, 1975

Regulation of calcium transport in cardiac sarcoplasmic reticulum by cyclic AMP-dependent protein kinase. Tada M, et al. **Recent Adv Stud Cardiac Struct Metab** 9:225–39, 1976 (48 ref.)

Effects of exercise training and exhaustion on 45Ca uptake by rat skeletal muscle mitochondria and sarcoplasmic reticulum. Bonner HW, et al. **Res Commun Chem Pathol Pharmacol** 14(4):767–70, Aug 76

The biphasic Ca2+-uptake by the fragmented sarcoplasmic reticulum. Mermier P, et al. **Z Naturforsch [C]** 30(5):593–9, Sep-Oct 75

The effect of calcium and phosphate on the biphasic calcium uptake by the sarcoplasmic reticulum. Mermier P, et al. **Z Naturforsch [C]** 30(6):777–80, Nov-Dec 75

[Proceedings: Characterization of the sarcoplasmic reticulum in human non-ischemic heart diseases] Lentz RW, et al. **Z Kardiol** Suppl 2:81, 1975 **(Ger)**

[Cyclic AMP-mediated regulation of calcium transport by cardiac sarcoplasmic reticulum (author's transl)] Tada M. **Protein Nucleic Acid Enzyme (Tokyo)** 20(10):936–49, Aug 75 (141 ref.) **(Jpn)**

[Calcium transport and ATPase activity of sarcoplasmic reticulum in normal and denervated rabbit muscles] Lopina OD. **Biull Eksp Biol Med** 81(5):536–9, May 76 (Eng. Abstr.) **(Rus)**

[Study of protein-lipid interactions in sarcoplasmic reticulum membranes by the method of high-resolution proton magnetic resonance] Kagan VE, et al. **Dokl Akad Nauk SSSR** 222(5):1223–6, 11 Jun 75 **(Rus)**

PHYSIOLOGY

Release of calcium from the sarcoplasmic reticulum induced by hypotonic solutions. Endo M, et al. **J Physiol Soc Jpn** 37(12):422–4, 1975

The role of the sarcoplasmic reticulum in the pure frequency potentiation: the effect of ryanodine. Rumberger E. **Pfluegers Arch** 364(2):203–4, 30 Jul 76

[Proceedings: Calcium release from the isolated sarcoplasmic reticulum caused by calcium] Takauji M, et al. **J Physiol Soc Jpn** 36(8–9):332–3, 1 Sep 74 **(Jpn)**

ULTRASTRUCTURE

Ultrastructure of sarcoplasmic reticulum in atrial myocardium of patients with mitral valvular disease. Thiedermann KU, et al. **Am J Pathol** 83(1):1–38, Apr 76

A freeze-fracture study of sarcoplasmic reticulum from fast and slow muscle of the mouse. Beringer T. **Anat Rec** 184(4):647–63, Apr 76

Ultrastructure of sarcoplasmic reticulum membrane during development of rabbit skeletal muscle. Michalak M, et al. **Ann Med Sect Pol Acad Sci** 20(2):93–5, 1975

A light-scattering characterization of membrane vesicles. Selser JC, et al. **Biophys J** 16(4):337–56, Apr 76

Ultrastructural evidence for a direct connection between the myocardial granules and the sarcoplasmic reticulum in the cardiac ventricle of Myxine glutinosa (L.). Helle KB, et al. **Cell Tissue Res** 163(3):353–63, 12 Nov 75

Changes in the structure, composition and function of sarcoplasmic-reticulum membrane during development. Sarzala MG, et al. **Eur J Biochem** 57(1):25–34, 1 Sep 75

Spin labelled sarcoplasmic reticulum vesicles: Ca2+-induced spectral changes. Champeil P, et al. **FEBS Lett** 63(2):270–2, 1 Apr 76

A protein fraction of light meromyosin; functional properties, and interactions with contractile proteins. pp. 61–8. Kalamkarova M, et al. **In: Biró EN, ed. Proteins of contractile systems. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.31.**

Analysis of the arrangement of protein components in the sarcomplasmic reticulum of rat skeletal muscle. Yu BP, et al. **J Biol Chem** 241(7):2037–43, 10 Apr 76

Similarity of junctions between plasma membranes and endoplasmic reticulum in muscle and neurons. Henkart M, et al. **J Cell Biol** 70(2 pt 1):338–47, Aug 76

Calcium in smooth muscle sarcoplasmic reticulum in situ. Conventional and X-ray analytical electron microscopy. Popescu LM, et al. **J Cell Biol** 67(3):911–8, Dec 75

Evidence for a structural relationship between successive parallel tubules in the SR network and supernumerary striations of Z line material in purkinje fibers of the chicken, sheep, dog and rhesus monkey heart. Walker SM, et al. **J Morphol** 147(4):459–73, Dec 75

Use of diazotized di-iodosulfanilic acid to localize the protein components in sarcoplasmic reticulum membranes. Yu BP, et al. **Life Sci** 17(3):343–8, 1 Aug 75

Recovery of ultrastructural changes accompanying caffeine contractures in isolated muscle fibres of the crayfish. Uhrik B, et al. **Pfluegers Arch** 364(2):183–90, 30 Jul 76

Ultrastructure of rat myocardium after feeding a diet with low--erucic acid rapeseed oil. Ziemlański S, et al. **Pol Med Sci Hist Bull** 15(2):123–32, Mar-Apr 75

The tubular systems of myocardial cells: ultrastructure and possible function. Sperelakis N, et al. **Recent Adv Stud Cardiac Struct Metab** 4:163–94, 1974 (82 ref.)

SARCOPTES SCABIEI

ANATOMY & HISTOLOGY

Variation in the chaetotaxy and denticulation of Sarcoptes scabiei (Acarina: Sarcoptidae) from wild canids. Pence DB, et al. **Acarologia** 17(1):160–5, Jul 75

ISOLATION & PURIFICATION

[Methods of detection of Sarcoptes scabiei] Szpakowska J. **Przegl Dermatol** 63(1):65–8, Jan-Feb 76 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

[Can ectoparasites be a factor regulating the population of wild animals?] pp. 46–53. Kutzer E. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

SARCOSINE

Studies on cyclic peptides. II. Synthesis of cyclic peptides containing sarcosine. Sugihara T, et al. **Biopolymers** 14(4):723–31, Apr 75

Intrachain reaction of a pair of reactive groups attached to polymer ends. II. Monte carlo study on the intrachain reaction proceeding on trans/cis-polysarcosine chain. Sisido M, et al. **Macromolecules** 9(2):320–4, Mar-Apr 76

ANALOGS & DERIVATIVES

Creatine biosynthesis during embryonic development. False feedback suppression of liver amidinotransferase by N-acetimidoylsarcosine and 1-carboxymethyl-2-iminoimidazolidine (cyclocreatine). Walker JB, et al. **Biochemistry** 15(12):2519–22, 15 Jun 76

Thin-layer chromatography of sarcosine and its N-lauroyl and N-nitroso derivatives. Rao GS, et al. **J Chromatogr** 123(2):486–9, 4 Aug 76

Suppression of dimethylnitrosamine metabolism and toxicity by nitrososarcosine and other nitrosamines. Friedman MA, et al. **Toxicol Appl Pharmacol** 36(2):395–401, May 76

ANALYSIS

The identification of dansyl sarcosine and its occurrence in molluscs. Hanley MR. **Experientia** 31(8):881–3, 15 Aug 75

Thin-layer chromatography of sarcosine and its N-lauroyl and N-nitroso derivatives. Rao GS, et al. **J Chromatogr** 123(2):486–9, 4 Aug 76

METABOLISM

Oxidation of sarcosine and N-alkyl derivatives of glycine by D-amino-acid oxidase. Naoi M, et al. **Biochim Biophys Acta** 438(1):61–70, 7 Jun 76

1-SARCOSINE-8-ALANINE ANGIOTENSIN II see under **ANGIOTENSIN II**

SARCOSOMES see **MITOCHONDRIA, MUSCLE**

SARCOSPORIDIA

Prevalence of Sarcocystis infection and other intestinal parasitisms in cats from a humane shelter in Ohio. Christie E, et al. **J Am Vet Med Assoc** 168(5):421–2, 1 Mar 76

Prevalence of Sarcocystis infection and other intestinal parasitisms in dogs from a humane shelter in Ohio. Streitel RH, et al. **J Am Vet Med Assoc** 168(5):423–4, 1 Mar 76

Effect of amprolium on acute sarcocystosis in experimentally infected calves. Fayer R, et al. **J Parasitol** 61(5):932–6, Oct 75

Oral infection of mammals with Sarcocystis fusiformis bradyzoites from cattle and sporocysts from dogs and coyotes. Fayer R, et al. **J Parasitol** 62(1):10–4, Feb 76

Hematologic and serologic changes in calves experimentally infected with Sarcocystis fusiformis. Mahrt JL, et al. **J Parasitol** 61(5):967–9, Oct 75

A murine Sarcocystis that causes an Isospora-like infection in cats. Powell EC, et al. **J Parasitol** 61(5):928–31, Oct 75

Prevalence of macroscopically detectable Sarcocystis in North Dakota ducks. Hoppe DM. **J Wildl Dis** 12(1):27–9, Jan 76

A survey of Sarcocystis in nonhuman primates. Karr SL Jr, et al. **Lab Anim Sci** 25(5):641–5, Oct 75

Sporoza in animals with particular reference to Toxoplasma and Sarcocystis. Hartley WJ. **NZ Vet J** 24(1–2):1–5, Jan-Feb 76

Sarcocystis infection in an Orang Asli: the second human case from Malaysia. Kutty MK, et al. **Southeast Asian J Trop Med Public Health** 6(3):400–1, Sep 75

[Current aspects and reconsiderations of the biology of Sarcosporidia (Sarcosporidia Bütscheli, 1882)] Suteu E. **Rev Ig [Bacteriol]** 20(2):65–70, Apr-Jun 75 (Eng. Abstr.) **(Rum)**

[Evaluation of swine for sarcocystis] Bogush AA. **Veterinariia** (3):108–10, Mar 76 **(Rus)**

CLASSIFICATION

Distribution of Sarcocystis (Protozoa: Sporozoa) in

vertebrates. Kalyakin VN, et al. **Folia Parasitol (Praha)** 22(4):289–307, 1975 (112 ref.)

Possible species differences between Sarcocystis from mule deer and cattle. Hudkins-Vivion G, et al. **J Wildl Dis** 12(1):86–7, Jan 76

Revision of Sarcocystis orientalis Zaman and Colley, 1975. Zaman V. **Southeast Asian J Trop Med Public Health** 6(4):603, Dec 75

Proposal for a new nomenclature of the Sarcosporidia. Heydorn AO, et al. **Z Parasitenkd** 48(2):73–82, 23 Dec 75

[Life cycle of sarcosporidia. VI. Studies on species differentiation of Sarcocystis fusiformis and Sarcocystis tenella] Gestrich R, et al. **Berl Munch Tieraerztl Wochenschr** 88(11):201–4, Jun 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Ultrastructural localization of alkaline phosphatase and ATP-ase in cyst stages of Sarcocystis tenella (Sporozoa, Coccidia) parasitic in the esophagus of sheep (author's transl)] Mehlhorn H. **Z Parasitenkd** 46(2):95–109, 1975 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Microtus arvalis as the intermediate host of a coccidian from the kestrel (Falco tinnunculus). Cerná Z, et al. **Folia Parasitol (Praha)** 23(2):110, 1976

Recognition of cyclic transmission of Sarcocystis muris by cats. Ruiz A, et al. **J Infect Dis** 133(4):409–18, Apr 76

[Contribution to life-cycle of sarcosporidia in the Grant's gazelle] Janitschke K, et al. **Z Parasitenkd** 48(3–4):215–9, 6 Feb 76

The developmental cycle of a species of Sarcocystis occurring in dogs and sheep, with observations on pathogenicity in the intermediate host. Munday BL, et al. **Z Parasitenkd** 46(2):111–23, 1975

Light and electron microscopic observations of the life cycle of Sarcocystis orientalis sp. n. in the rat (Rattus norvegicus) and the Malaysian reticulated python (Python reticulatus). Zaman V, et al. **Z Parasitenkd** 47(3):169–85, 16 Oct 75

[Growth of Sarcocystis tenella in cell culture] Dubremetz JF, et al. **C R Acad Sci [D] (Paris)** 280(15):1793–5, 21 Apr 75 **(Fre)**

[Contributions to the life cycle of sarcosporidia. VII. Developmental stages of Sarcocystis ovicanus in sheep] Heydorn AO, et al. **Berl Munch Tieraerztl Wochenschr** 89(1):1–5, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[The life cycle of the Sarcosporidia. VIII. Sporocysts of Sarcocystis bovihominis in the feces of rhesus monkeys (Macaca rhesus) and baboons (Papio cynocephalus)] Heydorn AO, et al. **Berl Munch Tieraerztl Wochenschr** 89(6):116–20, 15 Mar 76 (Eng. Abstr.) **(Ger)**

[Light and electron microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle fibres of sheep (author's transl)] Mehlhorn H, et al. **Z Parasitenkd** 48(2):83–93, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and aporocysts of the large form of Isospora bigemina from cats (author's transl)] Gestrich R, et al. **Zentralbl Bakteriol [Orig A]** 233(2):261–76, Oct 75 (Eng. Abstr.) **(Ger)**

[Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from dogs. 1. The development of cysts and 'cyst wall' (author's transl)] Mehlhorn H, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):392–409, Jul 75 (Eng. Abstr.) **(Ger)**

[Cycle of development of sarcocystis] Gorbov IuK. **Veterinariia** (6):72–4, Jun 75 **(Rus)**

ISOLATION & PURIFICATION

Sarcocystis sp. in the myocardium of a water buffalo from Sulawesi (Celebes), Indonesia. Brown RJ, et al. **Southeast Asian J Trop Med Public Health** 6(2):284, Jun 75

Sarcocystis booliati n.sp. and a parasite of undetermined taxonomic position, Octoplasma garnhami n. gen. n. sp., from the moonrat, Echinosorex gymnurus. Dissanaike AS, et al. **Southeast Asian J Trop Med Public Health** 6(2):175–85, Jun 75

MICROBIOLOGY

[The presence of lytic bacteria within cysts of Sarcocystis tenella (Sporozoa, Protozoa) (author's transl)] Mehlhorn H, et al. **Arch Microbiol** 104(3):241–4, 28 Aug 75 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Letter: Host specificity of Sarcocystis SPP in sheep and cattle. Rickard MD, et al. **Aust Vet J** 52(1):48, Jan 76

ULTRASTRUCTURE

Ultrastructure of Sarcocystis booliati Dissanaike and Poopalachelvam, 1975 from the moonrat, echinosorex gymnurus, in Malaysia. Kan SP, et al. **Int J Parasitol** 6(4):321–6, Aug 76

Light and electron microscope studies on the Sarcocystis of Rattus fuscipes, an Australian rat. Rzepczyk C, et al. **Z Parasitenkd** 50(2):137–50, 16 Aug 76

The ultrastructure of the cyst wall of a murine Sarcocystis. Viles JM, et al. **Z Parasitenkd** 49(2):127–32, 30 Apr 76

[Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of Isospora hominis Railliet et Lucet, 1891. 2. Fine structure of metrocytes and merozoites (author's transl)] Heydorn AO, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):373–91, Jul 75 (Eng. Abstr.) **(Ger)**

[Light and electron microscopic studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocytes and sporocysts of the large form of Isospora bigemina from dogs. 2. The fine structure of cyst stages. Heydorn AO, et al. **Zentralbl Bakteriol [Orig A]** 233(1):123–37, Sep 75 (Eng. Abstr.) **(Ger)**

SARCOSPORIDIOSIS

IMMUNOLOGY

[Serological studies on Sarcocystis in man and rats (author's transl)] Aryeetey ME, et al. **Z Parasitenkd** 50(2):109–24, 16 Aug 76 (Eng. Abstr.) **(Ger)**

OCCURRENCE

A case of human Sarcocystis infection in west Malaysia. Kutty MK, et al. **Trans R Soc Trop Med Hyg** 69(5–6):503–4, 1975

PARASITOLOGY

Sarcocystis infection in an Orang Asli: the second human case from Malaysia. Kutty MK, et al. **Southeast Asian J Trop Med Public Health** 6(3):400–1, Sep 75

[Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of Isospora hominis Railliet et Lucet, 1891. 2. Fine structure of metrocytes and merozoites (author's transl)] Heydorn AO, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):373–91, Jul 75 (Eng. Abstr.) **(Ger)**

[Light and electron microscopic studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocytes and sporocysts of the large form of Isospora bigemina from dogs. 2. The fine structure of cyst stages. Heydorn AO, et al. **Zentralbl Bakteriol [Orig A]** 233(1):123–37, Sep 75 (Eng. Abstr.) **(Ger)**

[Light and electron microscope studies on cysts of Sarcocystis fusiformis in the muscles of calves infected experimentally with oocysts and sporocysts of the large form of Isospora bigemina from dogs. 1. The development of cysts and 'cyst wall' (author's transl)] Mehlhorn H, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):392–409, Jul 75 (Eng. Abstr.) **(Ger)**

[Cycle of development of sarcocystis] Gorbov IuK. **Veterinariia** (6):72–4, Jun 75 **(Rus)**

TRANSMISSION

Recognition of cyclic transmission of Sarcocystis muris by cats. Ruiz A, et al. **J Infect Dis** 133(4):409–18, Apr 76

VETERINARY

Letter: Transmission of sarcosporidiosis from dogs to sheep maintained specific pathogen free. Ford GE. **Aust Vet J** 51(8):407–8, Aug 75

The prevalence of sarcosporidiosis in Australian meat animals. Munday BL. **Aust Vet J** 51(10):478–80, Oct 75

Letter: Host specificity of Sarcocystis SPP in sheep and cattle. Rickard MD, et al. **Aust Vet J** 52(1):48, Jan 76

Prevalence of Sarcocystis infection and other intestinal parasitisms in cats from a humane shelter in Ohio. Christie E, et al. **J Am Vet Med Assoc** 168(5):421–2, 1 Mar 76

Prevalence of Sarcocystis infection and other intestinal parasitisms in dogs from a humane shelter in Ohio. Streitel RH, et al. **J Am Vet Med Assoc** 168(5):423–4, 1 Mar 76

Effect of amprolium on acute sarcocystosis in experimentally infected calves. Fayer R, et al. **J Parasitol** 61(5):932–6, Oct 75

Oral infection of mammals with Sarcocystis fusiformis bradyzoites from cattle and sporocysts from dogs and coyotes. Fayer R, et al. **J Parasitol** 62(1):10–4, Feb 76

Hematologic and serologic changes in calves experimentally infected with Sarcocystis fusiformis. Mahrt JL, et al. **J Parasitol** 61(5):967–9, Oct 75

A murine Sarcocystis that causes an Isospora-like infection in cats. Powell EC, et al. **J Parasitol** 61(5):928–31, Oct 75

Prevalence of macroscopically detectable Sarcocystis in North Dakota ducks. Hoppe DM. **J Wildl Dis** 12(1):27–9, Jan 76

Possible species differences between Sarcocystis from mule deer and cattle. Hudkins-Vivion G, et al. **J Wildl Dis** 12(1):86–7, Jan 76

A survey of Sarcocystis in nonhuman primates. Karr SL Jr, et al. **Lab Anim Sci** 25(5):641–5, Oct 75

Sporoza in animals with particular reference to Toxoplasma and Sarcocystis. Hartley WJ. **NZ Vet J** 24(1–2):1–5, Jan–Feb 76

Sarcocystis sp. in the myocardium of a water buffalo from Sulawesi (Celebes), Indonesia. Brown RJ, et al. **Southeast Asian J Trop Med Public Health** 6(2):284, Jun 75

Sarcocystis booliati n.sp. and a parasite of undetermined taxonomic position, Octoplasma garnhami n. gen. n. sp., from the moonrat, Echinosorex gymnurus. Dissanaike AS, et al. **Southeast Asian J Trop Med Public Health** 6(2):175–85, Jun 75

[Contribution to life-cycle of sarcosporidia in the Grant's gazelle] Janitschke K, et al. **Z Parasitenkd** 48(3–4):215–9, 6 Feb 76

The developmental cycle of a species of Sarcocystis occurring in dogs and sheep, with observations on pathogenicity in the intermediate host. Munday BL, et al. **Z Parasitenkd** 46(2):111–23, 1975

[Sarcosporidia and sarcosporidiosis in agricultural animals. II. Sarcosporidiosis in cattle] Meshkov S. **Vet Med Nauki** 12(5):55–61, 1975 (Eng. Abstr.) **(Bul)**

[Sarcosporidiosis of the myocardium in hoofed game] Blažek K, et al. **Vet Med (Praha)** 21(2):75–80, Feb 76 (Eng. Abstr.) **(Cze)**

[Studies on the incidence and life cycle of a sarcosporidian species of the horse (Sarcocystis equicanis n. spec)] Rommel M, et al. **Berl Munch Tieraerztl Wochenschr** 88(24):468–71, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Influence of Sarcocystis invasion on the quality of pork] Bogush AA. **Veterinariia** (8):101–3, Aug 75 **(Rus)**

[Evaluation of swine for sarcocystis] Bogush AA. **Veterinariia** (3):108–10, Mar 76 **(Rus)**

[Cycle of development of sarcocystis] Gorbov IuK. **Veterinariia** (6):72–4, Jun 75 **(Rus)**

SARIN see under **ORGANOPHOSPHORUS COMPOUNDS**

SARKOLYSIN see **MELPHALAN**

SAROTEN see **AMITRIPTYLINE**

SARSASAPOGENIN see under **SPIROSTANS**

SATELLITE VIRUSES see under **ASSOCIATED VIRUSES**

SATIATION

Food satiation as a procedure to decelerate vomiting. Jackson GM, et al. **Am J Ment Defic** 80(2):223–7, Sep 75

Acquired sensory control of satiation in man. Booth DA, et al. **Br J Psychol** 67(2):137–47, May 76

Oral satiety in the obese and nonobese. Wagner M, et al. **J Am Diet Assoc** 67(4):344–6, Oct 75

Comparison of three behavioral techniques in the modification of smoking behavior. Sutherland A, et al. **J Consult Clin Psychol** 43(4):443–7, Aug 75

The effect of two ways of devaluing the unconditioned stimulus after first- and second-order appetitive conditioning. Hollland PC, et al. **J Exp Psychol [Anim Behav]** 1(4):355–63, Oct 75

Necker cube reversal: sensory or psychological satiation? Cornwell HG. **Percept Mot Skills** 43(1):3–10, Aug 76

Elevated blood glucose levels and satiety in the rat. Wilson WH, et al. **Physiol Behav** 15(2):137–43, Aug 75

[Hunger and satiation as functions of various dietary regimes] Schmid P, et al. **Wien Med Wochenschr** 126(1–3):10–6, 9 Jan 76 **(Ger)**

DRUG EFFECTS

Ontogeny and insulin-dependence of the satiation which follows carbohydrate absorption in the rat. Booth DA, et al. **Behav Biol** 15(2):159–72, Oct 75

Cholecystokinin elicits the complete behavioral sequence of satiety in rats. Antin J, et al. **J Comp Physiol Psychol** 89(7):784–90, Sep 75

Differences between the anorexic actions of amphetamine and fenfluramine--possible effects on hunger and satiety. Blundell JE, et al. **J Pharm Pharmacol** 28(6):471–7, Jun 76

Cholecystokinin: a putative satiety signal. Smith GP, et al. **Pharmacol Biochem Behav** 3(1 Suppl):135–8, 1975

Pattern of drinking and feeding produced by hypothalamic norepinephrine injection in the satiated rat. Leibowitz SF. **Physiol Behav** 14(6):731–42, Jun 75

Ingestion in the satiated rat: role of alpha and beta receptors in mediating effects of hypothalamic adrenergic stimulation. Leibowitz SF. **Physiol Behav** 14(6):743–54, Jun 75

PHYSIOLOGY

Satiety and hunger induced by small and large duodenal loads of isotonic glucose. Rezek M, et al. **Am J Physiol** 229(3):545–8, Sep 75

Inhibitions of feeding examined in rhesus monkeys with hypothalamic disconnexions. McHugh PR, et al. **Brain** 98(3):441–54, Sep 75

Satiety: hypothalamic stimulation, anorectic drugs, and neurochemical substrates. pp. 33–50. Hoebel BG. **In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.**

Cholecystokinin and satiety: theoretic and therapeutic implications. pp. 349–55. Smith GP, et al. **In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI**

102 H936 1975.
Peripheral glucosensitive satiety in the rabbit and the rat. pp. 383–93. VanderWeele DA, et al.
In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.
Peripheral control of drinking: gastrointestinal filling as a negative feedback signal, a theoretical and experimental analysis. Davis JD, et al. **J Comp Physiol Psychol** 89(9):985–1002, Nov 75
Intestinal satiety in rats. Liebling DS, et al.
J Comp Physiol Psychol 89(8):955–65, Oct 75
Food intake of weanling rats with lesions in the ventromedial and dorsomedial hypothalamic nuclei in response to intragastric loading and caloric density manipulation. Bernardis LL, et al. **J Neurosci Res** 1(5–6):377–91, 1975
Effects of hunger, satiety and glucose load upon taste intensity and taste hedonics. Moskowitz HR, et al.
Physiol Behav 16(4):471–5, Apr 76
Satiety is a conditioned reflex. Stunkard A.
Psychosom Med 37(5):383–7, Sep–Oct 75
Satiety: a graded behavioural phenomenon regulating caloric intake. McHugh PR, et al. **Science** 190(4210):167–9, 10 Oct 75
[Origin of gustatory alliesthesia: comparison of oral glucose or protein-lipid loads] Guy-Grand B, et al.
C R Acad Sci [D] (Paris) 282(8):755–7, 23 Feb 76 (Eng. Abstr.) **(Fre)**
[The role of olfactory-gustatory perception in the dietary intake of man] pp. 27–9. Duclaux R, et al.
In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974. **(Fre)**
[EEG-correlates of alimentary behavior in rabbits with different levels of hunger and satiety]
Cheremnykh-Alekseenko EN. **Zh Vyssh Nerv Deiat** 26(1):94–103, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Electrical activity of the limbic structures of the dog brain during simultaneous stimulation of the cingulate gyrus and hypothalamus] Gavrilova LN, et al.
Zh Vyssh Nerv Deiat 25(2):402–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

SATIETY RESPONSE see under **SATIATION**

SAUNA see **BATHS, FINNISH**

SAXITOXIN

A biologically active acid hydrolysis product of saxitoxin. Ghazarossian VE, et al. **Biochem Biophys Res Commun** 68(3):776–80, 9 Feb 76
Editorial: Shellfish emotionalism. Halstead BW.
Clin Toxicol 9(1):1–2, 1976
The structure of a crystalline derivative of saxitoxin. The structure of saxitoxin. Bordner J, et al. **J Am Chem Soc** 97(21):6008–12, 15 Oct 75

ANALOGS & DERIVATIVES

Letter: Structures of gonyautoxin II and III from the East Coast toxic dinoflagellate Gonyaulax tamarensis. Shimizu Y, et al. **J Am Chem Soc** 98(17):5414–6, 18Aug 76

METABOLISM

Proceedings: Binding to nerve and muscle of saxitoxin labelled by a new method of tritium exchange. Ritchie JM, et al. **J Physiol (Lond)** 258(2):99P–100P, Jun 76

PHARMACODYNAMICS

Activation and inhibition of the action potential Na+ ionophore of cultured rat muscle cells by neurotoxins. Catterall WA. **Biochem Biophys Res Commun** 68(1):136–42, 12 Jan 76
The effect of surface charge on the nerve membrane on the action of tetrodotoxin and saxitoxin in frog myelinated nerve. Hille B, et al. **J Physiol (Lond)** 250(1):34P–35P, Aug 75
Chemical modification of crab nerves can make them insensitive to the local anaesthetics tetrodotoxin and saxitoxin. Baker PF, et al. **Nature** 257(5525):412–4, 2 Oct 75
The rates of saxitoxin action and of saxitoxin-tetrodotoxin interaction at the node of Ranvier. Wagner HH, et al.
Pfluegers Arch 359(4):297–315, 29 Sep 75
Saxitoxin and procaine act independently on separate sites of the sodium channel. Wagner HH, et al.
Pfluegers Arch 364(1):65–70, 29 Jun 76

SC 19220 see under **DIBENZOXAZEPINES**

SCABIES

Letter: Scabies in man. Parlette HL. **Arch Dermatol** 112(3):409–10, Mar 76
[Scabies. apropos of a current epidemic and its complications in Senegal] Marchand JP, et al.
Bull Soc Med Afr Noire Lang Fr 20(1):74–82, 1975 (Eng. Abstr.) **(Fre)**
[Current clinical, epidemiological and medico-social aspects of scabies] Desmons F. **Lille Med** 21 spec no:267–9, 1976 **(Fre)**

CHEMICALLY INDUCED

Reactivation of scabies rash by methotrexate. Burrows D, et al. **Br J Dermatol** 93(2):219–21, Aug 75

COMPLICATIONS

Norwegian scabies in a patient with a cutaneous vasculitis. Hay RJ. **Guys Hosp Rep** 123(2):177–85, 1974

DIAGNOSIS

Scabies simulating Darier disease in an immunosuppressed host. Anolik MA, et al. **Arch Dermatol** 112(1):73–4, Jan 76
Scabies: problems in physician recognition. Hansen RC, et al. **Ariz Med** 33(5):366–8, May 76
Scabies masquerading as Letterer-Siwe's disease. Aterman K, et al. **Can Med Assoc J** 115(5):443–4, 4 Sep 76
Scabies. Honeycutt WM. **Compr Ther** 2(5):71–4, May 76
Larval papule as a sign of scabies. Shelley WB, et al.
JAMA 236(10):1144–5, 6 Sep 76
Current trends in scabies. Koehn GG. **Rocky Mt Med J** 72(12):526–8, Dec 75
[Norwegian scabies] McCann U, et al. **Z Hautkr** 50(11):473–6, 1 Jun 75 **(Ger)**

DRUG THERAPY

Topically applied thiabendazole in the treatment of scabies. Hernández-Pérez E. **Arch Dermatol** 112(10):1400–1, Oct 76
Treatment of today's scabies and pediculosis. Orkin M, et al. **JAMA** 236(10):1136–9, 6 Sep 76
[Does the hexachlor-cyclohexan containing scabicide, the Jacutin, possess porphyrinogenic properties?] Berkó G, et al. **Z Hautkr** 50(24):999–1002, 15 Dec 75 **(Ger)**
[Treatment of scabies with thiotal] Konstantinov D, et al.
God Zb Med Fak Skopje 21:467–70, 1975 (Eng. Abstr.) **(Ser)**
[A study on the anti-scabies action of 5 percent thiabendazole in a topic use (author's transl)] Villalobos D, et al.
Bol Chil Parasitol 30(1–2):2–5, Jan–Jun 75 (Eng. Abstr.) **(Spa)**
[Clinical evaluation of chrotamiton in scabies] Ahumada Padilla M. **Prensa Med Mex** 41(3–4):125–7, Mar–Apr 76 **(Spa)**

ETIOLOGY

Mighty mites and other bug bites. Bartruff JK.
J Fla Med Assoc 63(1):81–2, Jan 76
Norwegian scabies following topical steroid therapy. Clayton R, et al. **Postgrad Med J** 51(599):657–9, Sep 75

FAMILIAL & GENETIC

Norwegian scabies in homozygous twins. Konstantinov D, et al. **Dermatologica** 152(1):55–9, 1976

OCCURRENCE

Letter: Bugs. Bagby JW. **Arch Dermatol** 112(8):1175, Aug 76
Epidemic Norwegian scabies. Hubler WR Jr.
Arch Dermatol 112(2):179–81, Feb 76
Bacterial skin infections in preschool and school children in coastal Tanzania. Masawe AE, et al. **Arch Dermatol** 111(10):1312–6, Oct 75
Today's scabies. Orkin M. **Arch Dermatol** 111(11):1431–2, Nov 75
Letter: Scabies in Greece. Rigatos GA, et al.
Arch Dermatol 112(10):1466, Oct 76
Editorial: Whither scabies? **Br Med J** 1(6006):357, 14 Feb 76
Letter: Whither scabies? Hellier FF. **Br Med J** 1(6012):772, 27 Mar 76
Scabies and other skin diseases in pre-school children in Ujamaa villages in Tanzania. Masawe AE, et al.
Trop Geogr Med 27(3):288–94, Sep 75
[10-year scabies patient material of the Clinic for Dermatologic and Venereal diseases of the Budapest 9th District] Vánkos J, et al. **Orv Hetil** 117(23):1403–5, 6 Jun 76 **(Hun)**
[Scabies. Epidemiology and clinical aspects] Dahl O.
Tidsskr Nor Laegeforen 96(9–10):548–51, 30 Mar 76 (Eng. Abstr.) **(Nor)**
[Incidence of scabies in the City of Łódź in the years 1967–1971] Szpakowska J. **Pol Tyg Lek** 31(10):407–9, 8 Mar 76 (Eng. Abstr.) **(Pol)**
[Human scabies in Poland in the years 1966–1970] Zukowski K. **Przegl Epidemiol** 30(2):225–33, 1976 **(Pol)**
[Epidemics of scabies in Macedonia] Konstantinov D, et al.
God Zb Med Fak Skopje 17:743–50, 1971 **(Ser)**
[Scabies in infants] Stanoeva L, et al.
God Zb Med Fak Skopje 17:751–7, 1971 (Eng. Abstr.) **(Ser)**
[Epidemiological analysis of the incidence of scabies in Bratislava in 1972—1974 (author's transl)] Ferencei M, et al. **Cesk Dermatol** 51(2):124–30, Apr 76 (Eng. Abstr.) **(Slo)**
[Present prevalence of scables and pediculosis capitis among public primary school children in Santiago, Chile (June-July, 1975) (author's transl)] Lolić M, et al.
Bol Chil Parasitol 30(3–4):50–3, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Norwegian scabies: occurrence in a patient undergoing immunosuppression. Espy PD, et al. **Arch Dermatol** 112(2):193–6, Feb 76

PREVENTION & CONTROL

The eradication of a large scabies outbreak using community-wide health education. Kanaaneh HA, et al.
Am J Public Health 66(6):564–7, Jun 76

TRANSMISSION

[Scabies. A ward epidemic. Another case of Norwegian (crusted) scabies?] Dahl O. **Tidsskr Nor Laegeforen** 96(9–10):551–3, 30 Mar 76 (Eng. Abstr.) **(Nor)**

SCALENUS ANTICUS SYNDROME

Thoracic outlet compression syndrome. **Br Med J** 1(6017):1033, 1 May 76
Venous thrombosis of the upper limb: effort or compression. Mercier CP, et al. **J Cardiovasc Surg (Torino)** Spec No:519–22, 1973
The 'cervical syndrome'. Parisien VM.
J Maine Med Assoc 67(3):66–8, 78, Mar 76
[Thoracic outlet syndrome] Limet R, et al.
Rev Med Liege 31(12):390–3, 15 Jun 76 **(Fre)**

COMPLICATIONS

Vascular manifestations of the thoracic outlet syndrome. A surgical urgency. Martin J, et al. **Arch Surg** 111(7):779–82, Jul 76
[2 cases of costoclavicular syndrome, including one with apophysomegaly, cervical rib or agenesis of the 1st rib] Spay G, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):157–9, 1974 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnostic possibilities for the nuchal evoked potential. Koivikko MJ, et al. **Acta Neurol Scand** 54(2):192–9, Aug 76
Thoracic outlet compression. Application of positional arteriographic and nerve conduction studies. Sadler TR, et al. **Am J Surg** 130(6):704–5, Dec 75
[Letter: Bilateral hyperdeveloped cervical ribs and fitness for active service in the German Army] Zenker R, et al.
Munch Med Wochenschr 117(36):1437, 5 Sep 75 **(Ger)**
[Clinico-electromyographic studies in the scalenus syndrome] Dubrovskaia MK, et al.
Zh Nevropatol Psikhiatr 75(8):1182–8, 1975 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Triggering causes of neurovascular compression in the upper thoracic-duct-cervical-rib compression syndrome]
Salamon A, et al. **Beitr Orthop Traumatol** 23(1):8–14, Jan 76 **(Ger)**

PATHOLOGY

[Thoraco-brachial outlet syndrome] Elbaz C. **Phlebologie** 28(3–4):397–418, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Letter: ulnar conduction velocity in thoracic-outlet syndrome. Cherington M. **N Engl J Med** 294(21):1185–6, 20 May 76
[Electronystagmography in verterbrobasilar insufficiency] Marco J, et al. **Acta Otorinolaryngol Iber Am** 24(5):163–84, Sep–Oct 73 **(Spa)**

SURGERY

Thoracic outlet compression syndrome. Kremer RM, et al.
Am J Surg 130(5):612–6, Nov 75
Reoperation for recurrent thoracic outlet syndrome. Urschel HC Jr, et al. **Ann Thorac Surg** 21(1):19–25, Jan 76
[The thoraco-brachial passage syndrome. Two cases detected as a result of a humoral embolism. A homogenous series of 53 resections of the first rib by the axillary approach (author's transl)] Metras D, et al.
Ann Chir Thorac Cardiovasc 14(3):293–6, Jul 75 (Eng. Abstr.) **(Fre)**
[Arterial revascularization of the upper limb by means of transthoracic aorto-humeral bridging (author's transl)] Villard J, et al. **Ann Chir Thorac Cardiovasc** 15(2):129–32, Apr 76 (Eng. Abstr.) **(Fre)**
[Surgery for thoracic outlet compression syndrome] Adar R, et al. **Harefuah** 89(6):241–3, 16 Sep 75 (Eng. Abstr.) **(Heb)**
[Surgical management of the cervical rib syndrome] Csorba L, et al. **Orv Hetil** 116(37):2170–3, 14 Sep 75 **(Hun)**
[Possibilities of surgical operation of the so-called scalenus (thoracic outlet) syndrome] Horváth L, et al. **Orv Hetil** 117(9):515–20, 29 Feb 76 **(Hun)**
[Transaxillary aproach for the resection of the 1st rib; in the rib clavicle compression syndrome (outlet syndrome)] Serrano Muñóz F, et al. **Rev Clin Esp** 140(4):377–81, 29 Feb 76 **(Spa)**

SCALING, DENTAL see under **DENTAL PROPHYLAXIS**

SCALP

Development of a special electrode for continuous subcutaneous pH measurement in the infant scalp. Stamm O, et al. **Am J Obstet Gynecol** 124(2):193–5, 15 Jan 76

Letter: Halo nevi of scalp with poliosis. Fellman AC, et al. **Arch Dermatol** 112(4):559, Apr 76

Juvenile hyalin fibromatosis. Kitano Y. **Arch Dermatol** 112(1):86–8, Jan 76

Origin and relevance of aberrant scalp and upper facial hair patterning. Smith DW. **Birth Defects** 11(7):207–12, 1975

Visualization of nonvascular cranial tumor in cerebral flow study: case report. Ryo UY, et al. **J Nucl Med** 16(6):462–4, Jun 75

Adenoid cystic carcinoma of the scalp with pulmonary metastasis. Sanderson KV, et al. **Proc R Soc Med** 68(10):649–50, Oct 75

Sinus pericranii. Rodermond JM. **Radiol Clin (Basel)** 45(2–4):272–6, 1976

[Turban tumors of Poncet–Spiegler] Duperrat B, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):396–7, 1974 **(Fre)**

[A case of epithelioma dyskeratoticum segregans of the scalp] Normand P, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):209–12, 1975 (Eng. Abstr.) **(Fre)**

[Complete scalp removal for cylindroma] Maillard GF. **Helv Chir Acta** 43(1–2):141–2, Mar 76 **(Fre)**

[The necrosis of scalp caused by the treatment of hair—a possible explanation] Ippen H, et al. **Hautarzt** 26(11):598, Nov 75 **(Ger)**

[Occipital tumor simulating pericranial sinus (author's transl)] Izawa M, et al. **Neurol Surg (Tokyo)** 4(5):479–82, May 76 (Eng. Abstr.) **(Jpn)**

[Method of superimposing the angiographically located supratentorial lesion on the scalp prior to craniotomy] Miyazaki Y. **Neurol Surg (Tokyo)** 4(7):673–8, Jul 76 (Eng. Abstr.) **(Jpn)**

Turban tumor] Sosnowski A, et al. **Wiad Lek** 29(3):249–52, 1 Feb 76 (Eng. Abstr.) **(Pol)**

[Cylindroma of the skin of the scalp and face] Sen'ko IA, et al. **Klin Khir** (8):72–3, Aug 75 **(Rus)**

[Morpho-histochemical characteristics of the scalp in person with premature alopecia in connection with the problem of hair transplantation] Brodiagin VN, et al. **Vestn Dermatol Venerol** (7):29–32, Jul 75 (Eng. Abstr.) **(Rus)**

[Basalioma of the scalp with destruction of bones of the cranial vault and growth into dura mater] Vlasov VI, et al. **Vestn Dermatol Venerol** (7):62–3, Jul 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

[Letter: Congenital scalp defects (aplasia cutis congenita)] Geelen JA. **Ned Tijdschr Geneeskd** 120(6):254–5, 7 Feb 76 **(Dut)**

[Congenital skin defects of crown (aplasia cutis congenita)] Neering H. **Ned Tijdschr Geneeskd** 120(1):7–10, 3 Jan 76 **(Dut)**

ANALYSIS

Cellular fatty acids during fowlpox virus infection of three different host systems. Lyles DS, et al. **Virology** 70(1):227–9, Mar 76

BLOOD SUPPLY

Amnioscopy and fetal scalp blood sampling. pp. 227–36. Bowe ET.
In: Spellacy WN, ed. Management of the high-risk pregnancy. Baltimore, Univer Park Press, 1976. WQ 175 M266 1975. (17 ref.)

Proceedings: Cirsoid arteriovenous malformations of the scalp. Shepard RH. **J Neurol Neurosurg Psychiatry** 38(8):827–8, Aug 75

Embolization of a traumatic arteriovenous fistula of the scalp with radiopaque Gelfoam pledgets. Case report and technical note. Kasdon DL, et al. **J Neurosurg** 44(6):753–6, Jun 76

Occipital alopecia following cardiopulmonary bypass. Lwason NW, et al. **J Thorac Cardiovasc Surg** 71(3):342–7, Mar 76

Scalp veins as collateral pathway with parasagittal meningiomas occluding the superior sagittal sinus. Waga S, et al. **Neuroradiology** 11(4):199–204, 30 Jul 76

Localized necrosis of scalp in neonates due to calcium gluconate infusions: A cautionary note. Weiss Y, et al. **Pediatrics** 56(6):1084–6, Dec 75

Periodic migrainous neuralgia associated with an arteriovenous malformation. Thomas AL. **Postgrad Med J** 51(597):460–2, Jul 75

Posttraumatic subepicranial varix. Mori K, et al. **Surg Neurol** 5(6):337–9, Jun 76

[Arteriovenous malformations of the epicranium manifested as dysraphic swelling of the cranium] Mirčevski M, et al. **Med Pregl** 28(11–12):517–20, 1975 (Eng. Abstr.) **(Ser)**

EMBRYOLOGY

[Behavior of partial oxygen pressure in the scalp of the fetus during physiological uterus contraction] Bellée H, et al. **Zentralbl Gynaekol** 97(7):413–8, 1975 (Eng. Abstr.) **(Ger)**

INJURIES

An unusual complication of intrapartum fetal monitoring. Akhter MS. **Am J Obstet Gynecol** 124(6):657–8, 15 Mar 76

Fetal scalp abscess secondary to intrauterine monitoring. Plavidal FJ, et al. **Am J Obstet Gynecol** (1):65–70, 1 May 76

Complete scalp avulsion. Caldwell EH. **Arch Surg** 111(2):159–61, Feb 76

[Management of scalping injuries] Paul D. **Beitr Orthop Traumatol** 22(3):190–2, Mar 75 **(Ger)**

[Scalp avulsion injuries (author's transl)] Freilinger G. **Wien Klin Wochenschr** 88(4):140–1, 20 Feb 76 (Eng. Abstr.) **(Ger)**

[A rare case of thermal burns of the cranial vault] Kępny A, et al. **Wiad Lek** 29(7):655–9, 1 Apr 76 (Eng. Abstr.) **(Pol)**

[Free dermoplasty in scalp wounds] Kirilenko AV. **Vestn Khir** 116(4):98–102, Apr 76 (Eng. Abstr.) **(Rus)**

INNERVATION

Electroanesthesia (EA) studies: EA produced by stimulation of sensory nerves of the scalp in Rhesus monkeys. Kano T, et al. **Anesth Analg (Cleve)** 55(4):536–41, Jul–Aug 76

Spatio-temporal distribution of auditory-evoked far field potentials in rat and cat. Plantz RG, et al. **Brain Res** 68(1):55–71, 15 Mar 74

METABOLISM

Cellular activity in the dermis surrounding the hair bulb in alopecia areata. Pierard GE, et al. **J Cutan Pathol** 2(5):240–5, 1975

MICROBIOLOGY

Role of microorganisms in dandruff. Leyden JJ, et al. **Arch Dermatol** 112(3):333–8, Mar 76

PATHOLOGY

Hair follicle kinetics in psoriasis. Shahrad P, et al. **Br J Dermatol** 94(1):7–12, Jan 76

Male pattern alopecia a histopathologic and histochemical study. Lattanand A, et al. **J Cutan Pathol** 2(2):58–70, 1975

Alopecia areata. Montes LF, et al. **J Cutan Pathol** 2(5):262–3, 1975

[Complex sweat gland tumor of the scalp. Association of a papillous syringocystadenoma and an apocrine hidrocystoma] Vittori F, et al. **Arch Anat Cytol Pathol** 24(1):51–5, 1976 (14 ref.) **(Fre)**

[Histological studies of the scalp at the hair parting and crown in seborrheic alopecia] Salamon T, et al. **Hautarzt** 26(6):304–8, Jun 75 **(Ger)**

PHYSIOLOGY

The scalp topography of potentials associated with missing visual or auditory stimuli. Simson R, et al. **Electroencephalogr Clin Neurophysiol** 40(1):33–42, Jan 76

EEG phase differences and their physiological significance in scalp field studies. pp. 102–10. Lehmann D.
In: Dolce G, Künkel H, ed. CEAN: computerized EEG analysis. Stuttgart, Fischer, 1975. WL 150 C111 1975.

Proceedings: On evoked potentials to frequency-modulated tones recorded from the human scalp. Green GG. **J Physiol (Lond)** 256(1):42P–43P, Mar 76

Proceedings: Measurement of evoked potentials in human scalps. Suzuki H, et al. **J Physiol Soc Jpn** 36(8–9):317, 1 Sep 74

Continuous Fetal Scalp and Carotid Artery Oxygen Tension Monitoring in the Sheep. Staisch K, et al. **Obstet Gynecol** 47(5):587–92, May 76

[The problem of the origin of acoustic evoked responses (author's transl)] Ehrenberger Z, et al. **HNO** 23(6):192–4, Jun 75 (Eng. Abstr.) **(Ger)**

SURGERY

The indirect deltopectoral flap. Brown GE. **Br J Plast Surg** 29(2):122–5, Apr 76

The surgical closure of exposed skull. Widmaier W. **J Maxillofac Surg** 3(3):149–55, Sep 75

Repair of denuded cranial bone by bone splitting and free-skin grafting. Jensen F, et al. **J Neurosurg** 44(6):728–31, Jun 76

[Free transplant of the greater omentum into the cranial vault. Apropos of 3 cases with vascular micro-anastomoses] Banzet P, et al. **Chirurgie** 102(6):457–61, Jun 76 (Eng. Abstr.) **(Fre)**

[Coverage of the skull with free skin grafts] Widmaier W. **Fortschr Kiefer Gesichtschir** 20:83–5, 1976 **(Ger)**

[Recent progress in the reconstruction of large scalp defect and the craniofacial surgery (author's transl)] Fukuda O. **Neurol Surg (Tokyo)** 3(10):805–11, 10 Oct 75 **(Jpn)**

TRANSPLANTATION

Reconstruction of the sideburn for alopecia after rhytidectomy. Juri J, et al. **Plast Reconstr Surg** 57(3):304–7, Mar 76

Successful replantation of an avulsed scalp by microvascular anastomoses. Miller GD, et al. **Plast Reconstr Surg** 58(2):133–6, Aug 76

ULTRASTRUCTURE

Ultrastructure of follicular mucinosis. Ishibashi A, et al. **J Cutan Pathol** 1(3):126–31, 1974

SCALP DERMATOSES

[Proceedings: Annular cicatricial sarcoidosis of the scalp] Nazzaro P, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):402–3, 1975 **(Fre)**

[Erythrokeratoderma associated with multiple pilar malformations (Netherton's syndrome)] Pierard GE, et al. **Arch Belg Dermatol** 30(3):179–83, Jul–Sep 74 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Rosacea of common male baldness. Gajewska M. **Br J Dermatol** 93(1):63–6, Jul 75

Neurofibroma, pachydermatocele of skin and cutis verticis gyrata. Bafna PL, et al. **Indian Pediatr** 12(9):933–4, Sep 75

DIAGNOSIS

Hand-Schüller-Christian disease of scalp and vulva. Thompson DM, et al. **Proc R Soc Med** 68(12):761–2, Dec 75

[Ichthyosiform erythrodermia and trichorrhexis invaginata (Netherton's syndrome) (author's transl)] Michalowski R, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:199–207, 1974 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

A comparison of tar liquid and cetrimide shampoo in the management of psoriasis of the scalp. Cunliffe WJ, et al. **Br J Clin Pract** 28(9):314–5, Sep 74

Local treatment of psoriasis of the scalp with clobetasol propionate in alcoholic solution: a comparison of once and twice a day application. Lassus A. **Curr Med Res Opin** 4(3):214–7, 1976

[Treatment of scalp dermatoses using a single dose of griseofulvin: trial of a reduced dose] Beghin D, et al. **Ann Soc Belg Med Trop** 54(6):477–81, 1974 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Role of microorganisms in dandruff. Leyden JJ, et al. **Arch Dermatol** 112(3):333–8, Mar 76

Complications of fetal monitoring: scalp abscess and osteomyelitis. Yasunaga S. **Ill Med J** 150(1):41–3, Jul 76

Herpes scalp infection associated with fetal electrode placement. Driscoll DJ, et al. **Wis Med J** 75(2):9–10, Feb 76

FAMILIAL & GENETIC

[Asbestos-like pityriasis in twins with adipose-genital dystrophy] Usmanov TU, et al. **Vestn Dermatol Venerol** (8):80–1, Aug 75 **(Rus, Rus)**

MICROBIOLOGY

Mycetoma of the scalp in an aboriginal child. Frey D, et al. **Australas J Dermatol** 17(1):7–9, Apr 76

The microbiology of dandruff. Priestley GC, et al. **Br J Dermatol** 94(4):469–71, Apr 76

PATHOLOGY

Netherton's syndrome: an electronmicroscopic study. Thorne EG, et al. **Arch Dermatol Res** 253(2):177–83, 12 Sep 75

Straight-hair nevus syndrome: a case report with scanning electron microscopic findings of hair morphology. Downham TF 2d, et al. **Int J Dermatol** 15(6):438–43, Jul–Aug 76

RADIOTHERAPY

Perifolliculitis capitis abscedens et suffodiens. Kumar PP, et al. **J Natl Med Assoc** 68(1):9–13, Jan 76

THERAPY

The measurement of antidandruff efficacy. Van Abbé NJ, et al. **Int J Dermatol** 14(7):503–5, Sep 75

SCANDIUM

Letter: Radiation risk from operation of Sc3H electron-capture detectors. Baum JJ. **Health Phys** 30(5):419–20, May 76

Release of radioactivity from a scandium tritide electron capture detector used in gas chromatography. Carlton WH, et al. **Health Phys** 29(3):411–3, Sep 75

Toxicity, tissue distribution and excretion of 46ScCl3 and 46Sc-EDTA in mice. Lachine EE, et al. **Int J Appl Radiat Isot** 27(7):373–7, Jul 76

BLOOD

Studies of electrophoretic binding of radioactive rare earths. Rosoff B, et al. **Health Phys** 28(5):611–2, May 75

METABOLISM

Effect of stable scandium on the long-term whole body retention of intravenously administered 46Sc citrate in the rat. Byrd BL, et al. **Health Phys** 29(3):375–9, Sep 75

SCAPEGOATING see under **DISPLACEMENT (PSYCHOLOGY)**

SCAPULA

Prophylactic irradiation of the lung in Ewing's sarcoma. Mintz U, et al. **Chest** 70(03):393–5, Sep 76

'Acromion' in ancient Greek medical writers. Richardson WF. **Med Hist** 20(1):52–8, Jan 76

[Giant chondrosarcoma of the scapula] Zisman IF, et al. **Khirurgiia (Mosk)** (9):135–6, Sep 75 **(Rus)**

[Periarthritis humeroscapularis — a personal series (author's transl)] Polan P, et al. **Acta Chir Orthop Traumatol Cech** 42(4):385–9, Aug 75 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

A variant of campomelia. Rogers JG, et al. **Birth Defects** 11(6):119–25, 1975

Letter: Ketamine anaesthesia for a patient with severe bilateral Sprengel's deformity. Ruhomally H. **Br J Anaesth** 48(4):393, Apr 76

Surgery of the clavicle in Sprengle's deformity. Chung SM, et al. **Clin Orthop** (116):138–41, May 76

Anomalies of the scapula. McClure JG, et al. **Clin Orthop** (110):22–31, Jul–Aug 75 (31 ref.)

[A case of congenital elevation of the scapula with associated congenital abnormalities] Seyhan F, et al. **Turk Tip Dern Derg** 39(11):434–8, 1973 (Eng. Abstr.) **(Tur)**

ANATOMY & HISTOLOGY

[The scaphoid scapula, anatomical variation or pathological syndrome (author's transl)] Vallois HV. **Arch Anat Histol Embryol (Strasb)** 57(1):3–28, 1974 (Eng. Abstr.) **(Fre)**

INJURIES

Fracture of the scapular notch associated with lesion of the suprascapular nerve. Edeland HG, et al. **Acta Orthop Scand** 46(5):758–63, Nov 75

Unusual fracture of the coracoid process. A case report and review of the literature. Wolf AW, et al. **J Bone Joint Surg [Am]** 58(3):423–4, Apr 76

Another sports fatigue fracture. Stress fracture of the coracoid process of the scapula. Sandrock AR. **Radiology** 117(2):274, Nov 75

[Fractures of the scapula in pigs intended for slaughter (author's transl)] Van der Wal PG, et al. **Tijdschr Diergeneeskd** 100(11):597–603, 1 Jun 75 (Eng. Abstr.) **(Dut)**

[Scapular fractures. Conservative or operative treatment (author's transl)] Müller-Färber J. **Unfallheilkunde** 79(7):293–303, Jul 76 (Eng. Abstr.) **(Ger)**

[Comparative assesment of methods for the operative treatment of dislocations of the acromial end of the clavicle] Zorin AB, et al. **Vestn Khir** 115(10):110–113, OCT 75 (Eng. Abstr.) **(Rus)**

SURGERY

Evaluation of forequarter amputation in malignant diseases. Fanous N, et al. **Surg Gynecol Obstet** 142(3):381–4, Mar 76

[Osteosynthese in scapula fractures (author's transl)] Izadpanah M. **Arch Orthop Unfallchir** 83(2):153–64, 27 Oct 75 (Eng. Abstr.) **(Ger)**

SCARLET FEVER

COMPLICATIONS

[Case of hypertoxic scarlet fever resulting in complete deafness] Ożyński R. **Wiad Lek** 28(17):1491–4, 1 Sep 75 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[The nitroblue tetrazolium test in scarlet fever (author's transl)] Trojan I, et al. **Wien Klin Wochenschr** 87(8):270–2, 18 Apr 75 (Eng. Abstr.) **(Ger)**

[Characteristics of scarlet fever] Sukharev VM, et al. **Sov Med** (6):141, Jun 75 **(Rus)**

[The clinical picture of scarlet fever today] Antipova LA, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:177–82, 1973 **(Rus)**

DRUG THERAPY

[Double-blind tests of ampicillin and talampicillin in scarlet fever] Tomizawa I, et al. **J Jpn Assoc Infect Dis** 49(11):425–39, Jul 75 (Eng. Abstr.) **(Jpn)**

[Therapeutic effect of minomycin in scarlet fever] Tsuji M, et al. **J Jpn Assoc Infect Dis** 49(3):136–42, Mar 75 (Eng. Abstr.) **(Jpn)**

[Treatment of scarlet fever of children with new oral cephalosporin granules (S-640 P or cefatrizine granules) (author's transl)] Sato H, et al. **Jpn J Antibiot** 29(2):184–88, Feb 76 **(Jpn)**

FAMILIAL & GENETIC

A family outbreak of serious streptococcal infection. Cannaday P, et al. **JAMA** 236(6):585–6, 9 AUG 76

HISTORY

An account of a scarlatina epidemic, 1839. Greenwood RD. **Ill Med J** 150(2):147–8, Aug 76

MICROBIOLOGY

[Decrease in tetracycline-resistant strains and changes in type distribution of Group A hemolytic streptococci recently isolated from patients with scarlet fever] Misuno K, et al. **J Jpn Assoc Infect Dis** 50(2):33–7, Feb 76 (Eng. Abstr.) **(Jpn)**

[Drug susceptibility of hemolytic streptococci isolated from patients with scarlet fever during 1973] Shibata M, et al. **J Jpn Assoc Infect Dis** 49(3):94–7, Mar 75 (Eng. Abstr.) **(Jpn)**

[Toxin B and A production by beta-hemolytic streptococci isolated from scarlet fever patients] Cherkasskaia RS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):53–7, May 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Seroepidemiological study on type T-12 group A streptococcus causing an epidemic of scarlet fever - with special reference to seroepidemiological study using T agglutinin] Morita M, et al. **J Jpn Assoc Infect Dis** 49(3):121–7, Mar 75 (Eng. Abstr.) **(Jpn)**

[Scarlet fever] Adonajlo A. **Przegl Epidemiol** 30(1):95–6, 1976 **(Pol)**

[Characteristics of the epidemic process of scarlet fever in Leningrad during the 25 post-war years] Vinogradova ES, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:153–68, 1973 **(Rus)**

[The intensity of immunity to scarlet fever in children in different epidemiologic situations] Chudnaia LM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):110–2, Nov 75 **(Rus)**

[Patterns in the epidemic process of scarlet fever in various territories differing in respect of climate and geography] Dodonov VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):15–20, Aug 75 (Eng. Abstr.) **(Rus)**

[Characteristics of beta-hemolytic streptococci secreted in children in various climatic zones] Gladkova KK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):71–4, Dec 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Liver damage in scarlet fever. Descriptions of two affected children. Kocak N, et al. **Clin Pediatr (Phila)** 15(5):462–4, May 76

PREVENTION & CONTROL

[Letter: 'Fiat justitia pereat mundus.' Medical expences of the prevention of scarlet fever] Simon T. **Orv Hetil** 117(14):872, 4 Apr 76 **(Hun)**

TRANSMISSION

[Assessment of the role of scarlet fever reconvalescents as sources of infection in children's institutions] Vinogradova ES, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:169–76, 1973 **(Rus)**

SCARPA'S GANGLION see under **VESTIBULAR NERVE**

SCARS see **CICATRIX**

SCATTERING, RADIATION

Cell classification by laser light scattering: identification and separation of unstained leukocytes. Salzman GC, et al. **Acta Cytol (Baltimore)** 19(4):374–7, Jul–Aug 75

On the interpretation of depth dependent light scattering measurements in normal corneas. Farrell RA, et al. **Acta Ophthalmol (Kbh)** 54(3):261–70, Jul 76

Spectral measurements and Monte Carlo calculations of scattered radiation from therapeutic radiation sources. Ennow K, et al. **Acta Radiol [Ther] (Stockh)** 14(3):262–72, Jun 75

Proceedings: Measurement of bone mineral density using coherent and Compton scattering. Olkkonen H, et al. **Am J Roentgenol** 126(6):1279–80, Jun 76

Proceedings: Experience with photon scattering measurements of bone density. Webber CE. **Am J Roentgenol** 126(6):1280–1, Jun 76

A light-scattering pressure-jump kinetics apparatus. Kegeles G, et al. **Anal Biochem** 68(1):138–47, Sep 75

Optical evaluation of ultrasonic scattering in animal tissue. Greguss P. **Ann NY Acad Sci** 267:312–23, 30 Jan 76

The effect of the honeycomb on glare function. Miller D, et al. **Arch Ophthalmol** 94(3):451–4, Mar 76

Photon correlation spectroscopy, total intensity light scattering with laser radiation, and hydrodynamic studies of a well fractionated DNA sample. Jolly D, et al. **Biopolymers** 15(1):61–95, Jan 76

Letter: Turbidimetry vs. light scattering in immunochemistry. Buffone GJ. **Clin Chem** 22(4):556, Apr 76

Conformational changes in polypeptides and proteins from laser Raman scattering. pp. 370–8. Yu TJ, et al. **In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p.**

Light-scattering measurements of polymerization and depolymerization of fibrin: a tool for studying coagulation and fibrinolysis. pp. 281–8. Bouvier CA, et al. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

Some aspects of airborne particles and radiation in the atmosphere. pp. 1286–98. Hidy GM. **In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.**

A technique for the measurement of stable iodine in tissues using x-ray fluorescence and Compton scattering. Sikanen P, et al. **Invest Radiol** 11(1):60–2, Jan–Feb 76

Light scattering instrument for measuring molecular weights in 100 mug samples. McQueen DH. **J Phys E Sci Instrum** 9(4):268–70, Apr 76

Modification of the Rigaku-Denki x-ray goniometer with Kratky collimator for weakly scattering solutions. Murthy NS, et al. **J Phys E Sci Instrum** 9(7):563–6, Jul 76

Small-angle x ray scattering studies on whole Bacillus subtilis. Gee MK, et al. **J Ultrastruct Res** 52(3):300–8, Sep 75

X-ray scatter background signals in transmission radiography. Motz JW, et al. **Med Phys** 2(5):259–67, Sep-Oct 75

Small-angle scattering experiments on biological materials using synchrotron radiation. Bordas J, et al. **Nature** 262(5569):541–5, 12 Aug 76

Nuclear scattering applied to radiography. Saudinos J, et al. **Phys Med Biol** 20(6):890–905, Nov 75

Application of polarization effects in light scattering: a new biophysical tool. Bickel WS, et al. **Proc Natl Acad Sci USA** 73(2):486–90, Feb 76

Rapid-flow resonance Raman spectroscopy of photolabile molecules: rhodopsin and isorhodopsin. Mathies R, et al. **Proc Natl Acad Sci USA** 73(1):1–5, Jan 76

Relaxation of rotational and internal modes of macromolecules determined by dynamic scattering. Schurr JM. **Q Rev Biophys** 9(1):109–29, Feb 76

Neutron scattering and energy deposition spectra. Coppola M, et al. **Radiat Environ Biophys** 12(2):157–68, 18 Jun 75

Reduction of scatter in diagnostic radiology by means of a scanning multiple slit assembly. Barnes GT, et al. **Radiology** 120(3):691–4, Sep 76

Exposure of radiologists to scattered radiation during radiodiagnostic examinations. Kan K, et al. **Radiology** 119(2):455–7, May 76

A method to absorb scattered radiation without attenuation of the primary beam. Moore R, et al. **Radiology** 120(3):713–7, Sep 76

A new photon scattering method for bone mineral density measurements. Puumalainen P, et al. **Radiology** 120(3):723–4, Sep 76

Investigations of moving-slit radiography. Sorenson JA, et al. **Radiology** 120(3):705–11, Sep 76

Electron diffraction of frozen, hydrated protein crystals. Taylor KA, et al. **Science** 186(4168):1036–7, 13 Dec 74

Proceedings: Light scattering and platelet aggregation. Stoltz JF, et al. **Thromb Diath Haemorrh** 34(2):580, 15 Nov 75

[Light scattering by corneal stroma during edema: relation between spectral law and scattering intensity] Crouzy R. **C R Acad Sci [D] (Paris)** 281(19):1413–6, 10 Nov 75 **(Fre)**

[Problem of scattered light in the localized stimulation of the retina (author's transl)] Schauer M, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):283–91, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[The effect of scatter on film quality in mammography (author's transl)] Friedrich M. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):556–66, Dec 75 (Eng. Abstr.) **(Ger)**

[Reduction in radiation scatter during radiographic magnification techniques (author's transl)] Stargardt A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):364–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Röntgen scattering radiation and its prevention] pp. 100–12. Stargardt A, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Problems of radiological image formation in the abdominal cavity--scattered radiation contrast reduction (author's transl)] Führ KP. **Radiol Diagn (Berl)** 16(3):457–64, 1975 (Eng. Abstr.) **(Ger)**

[Determination of radiation exposure in X-ray diagnosis (author's transl)] Gursky S. **Radiol Diagn (Berl)** 15(4):405–26, 1974 (100 ref.) (Eng. Abstr.) **(Ger)**

[On properties of secondary radiation grids (author's transl)] Stargardt A, et al. **Radiol Diagn (Berl)** 16(3):441–5, 1975 (Eng. Abstr.) **(Ger)**

[Light scattering and motility of spermatozoa] Shimizu H, et al. **Jpn J Med Electron** 13(4):207–13, 30 Aug 75 (Eng. Abstr.) **(Jpn)**

[Light scattering by cell suspensions in normal conditions and exposed to external factors] Ostashevskii IIa, et al. **Biofizika** 20(5):853–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

SCENT GLANDS see under **EXOCRINE GLANDS**

SCHAMBERG'S DISEASE see under **PIGMENTATION DISORDERS**

SCHAUMANN'S DISEASE see **SARCOIDOSIS**

SCHEUERMANN'S DISEASE

COMPLICATIONS

[Expert testimony on accidents in Scheuermann's disease] Nuschenpickel H, et al. **Beitr Orthop Traumatol**

22(3):161–2, Mar 75 **(Ger)**

DIAGNOSIS

[Clinical aspects and prognosis of Scheuermann's scoliosi's] Schmitt E. **Z Orthop** 113(4):573–5, Aug 75 **(Ger)**

ETIOLOGY

Scheuermann's kyphosis: a form of osteoporosis? Bradford DS, et al. **Clin Orthop** (118):10–5, Jul–Aug 76

FAMILIAL & GENETIC

Scheuermann's kyphoscoliosis associated with Charcot–Marie–Tooth syndrome. Kewalramani LS, et al. **Arch Phys Med Rehabil** 57(8):391–7, Aug 76

PATHOLOGY

Scheuermann's juvenile kyphosis. A histologic study. Bradford DS, et al. **Clin Orthop** (110):45–53, Jul–Aug 75

RADIOGRAPHY

[Letter: Roentgen diagnosis of Scheuermann's disease] Heuck F. **Dtsch Med Wochenschr** 101(19):761, 7 May 76 **(Ger)**

THERAPY

Milwaukee brace treatment of Scheuermann's kyphosis. De Smedt A, et al. **Acta Orthop Belg** 41(5):597–605, Sep–Oct 75

[Letter: Scheuermann's disease] Rathke FW. **Dtsch Med Wochenschr** 101(4):135–6, 23 Jan 76 **(Ger)**

[Contribution to the question of treatment of Scheuermann's disease (author's transl)] Wespi H. **Praxis** 65(2):44–8, 13 Jan 76 (Eng. Abstr.) **(Ger)**

SCHIFF BASES

Influence of carbonates and other salts in tissues on the Schiff's reagent. Azariah J, et al. **Acta Histochem (Jena)** 53(2):241–3, 1975

UV Feulgen staining of DNA with Schiff reagents containing different transitional metal cations and iodine crystal. Dutt MK. **Acta Histochem (Jena)** 55(1):159–62, 1976

PAS reaction performed on semithin epon sections following removal of the resin by NaOH in absolute ethanol. Litwin JA, et al. **Acta Histochem (Jena)** 55(1):98–103, 1976

Resolution of the diastereoisomers generated by the chemical reduction of the pyruvate–lysine Schiff's base. Meloche HP, et al. **Biochem Biophys Res Commun** 66(1):151–9, 2 Sep 75

Is a Schiff base involved in the mechanism of the delta4–3–oxo steroid 5alpha– or 5beta–reductases from mammalian liver? Wilton DC. **Biochem J** 155(3):487–91, 1 Jun 76

An alcohol–soluble Schiff's reagent: a histochemical application of the complex between Schiff's reagent and phosphotungstic acid. Bedi KS, et al. **Histochemistry** 48(2):153–9, 12 Aug 76

The interaction of apurinic acid aldehyde groups with pararosaniline in the Feulgen–Schiff and related staining procedures. Duijndam WA, et al. **Histochemistry** 44(1):67–85, 16 Jul 75

Schiff–type dyes in the cytochemical staining of DNA. Dutt MK. **Indian J Exp Biol** 13(2):142–6, Mar 75

Letter: alpha–aminoacrylate schiff base in nonenzymatic pyridoxal catalysis. Karube Y, et al. **J Am Chem Soc** 98(12):3725–6, 9 Jun 76

Photoisomerization kinetics of 11–cis–retinal, its Schiff base, and its protonated Schiff base. Menger EL, et al. **J Am Chem Soc** 98(13):3975–9, 23 Jun 76

Determination of amphetamine by Schiff base formation and quantitative gas–liquid chromatography. Clark CC. **J Assoc Off Anal Chem** 58(6):1174–7, Nov 75

[Reactions concerned in tertiary amine n–oxides. VII. Reactions of Shiff's bases with amine N–oxides (author's transl)] Haginiwa J, et al. **J Pharm Soc Jpn** 96(2):209–13, Feb 76 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis of Schiff bases of benzofuran with potential biological activity. Rahman AH, et al. **Arzneim Forsch** 26(5):756–9, 1976

[Azomethines and oxazolidines from norfenefrine. Development of compounds with prolonged action and blood pressure increasing effect] Schönenberger H, et al. **Arch Pharm (Weinheim)** :717–9, Sep 75 **(Ger)**

PHARMACODYNAMICS

[Effect of a Schiff's base type product from metabolites of aminopyrine on metabolism of aminopyrine, acetanilide and amobarbital (author's transl)] Niwa H, et al. **J Pharm Soc Jpn** 96(3):269–76, Mar 76 (Eng. Abstr.) **(Jpn)**

SCHILDER'S DISEASE see **ENCEPHALITIS PERIAXIALIS**

SCHILLING TEST

Spurious Schilling test results obtained with intrinsic factor enclosed in capsules. McDonald JW, et al. **Ann Intern Med** 83(6):827–9, Dec 75

An augmented Schilling test in the diagnosis of pernicious anaemia. Strauchen JA. **Lancet** 2(7985):545–7, 11 Sep 76

Vitamin B12 malabsorption associated with a normal Schilling test result. Streeter AM, et al. **Med J Aust** 1(3):54–5, 17 Jan 76

[Isotope–methods in the diagnosis of anemia] Pixberg HU. **Med Welt** 26(29–30):1349–53, 25 Jul 75 **(Ger)**

METHODS

Letters to the editor: Consecutive–day Schilling tests. Hauser W. **J Nucl Med** 16(6):495, Jun 75

SCHISTOSOMA

The shredding pattern of three little known African schistosomes under outdoor conditions. Pitchford RJ, et al. **Ann Trop Med Parasitol** 70(2):181–7, Jun 76

The focus of Bilharizia in Erbil. Al–Hossaini M. **Bull Endem Dis (Baghdad)** 16(1–2):27–32, 1975

Bilharziasis in the Awash Valley: II. Molluscan fauna in irrigation farms and agricultural development. Kloos H, et al. **Ethiop Med J** 12(4):157–73, Oct 74

Schistosomiasis mansoni and japonicum in Microtus montanus. Ackerman SB, et al. **J Parasitol** 62(1):157–9, Feb 76

Cultivating Lithoglyphopsis aperta Temcharoen, a new snail host for Schistosoma japonicum, Mekong strain. Liang YS, et al. **J Parasitol** 61(5):915–9, Oct 75

Rapid, accurate quantification of schistosome eggs via nuclepore filters. Peters PA, et al. **J Parasitol** 62(1):154–5, Feb 76

Schistosomiasis at Loum, Cameroun; Schistosoma haematobium, S. intercalatum and their natural hybrid. Southgate VR, et al. **Z Parasitenkd** 49(2):145–59, 30 Apr 76

ANATOMY & HISTOLOGY

Patterns of argentophilic papillae of Schistosoma rodhaini and S. mansoni cercariae. Short RB, et al. **J Parasitol** 62(3):420–5, Jun 76

The sensory receptors of two cercariae from Malaysia: Trichobilharzia brevis (Schistosomatidae) and Haplorchis Pumilio (Heterophyidae). Bayssade–Dufour C, et al. **Southeast Asian J Trop Med Public Health** 6(3):338–42, Sep 75

DRUG EFFECTS

Effect of halogens and ozone on Schistosoma ova. Mercado–Burgos N, et al. **J Water Pollut Control Fed** 47(10):2411–9, Oct 75

GROWTH & DEVELOPMENT

Manson's schistosomiasis; frontiers in vivo, in vitro, and in the body politic. Weller TH. **Am J Trop Med Hyg** 25(2):208–16, Mar 76

The maintenance of Schistosoma japonicum in the laboratory. Lewert RM, et al. **J Parasitol** 61(6):1109–11, Dec 75

IMMUNOLOGY

The Schistosoma japonicum egg granuloma. Warren KS, et al. **Am J Pathol** 80(2):279–93, Aug 75

Schistosome antigens in the circulation of chimpanzees infected with Schistosoma japonicum. Hillyer GV. **Am J Trop Med Hyg** 25(3):432–6, May 76

Study of the circumoval precipitate in Schistosomiasis japonica by immunofluorescent technic. Yogore MG, et al. **Am J Trop Med Hyg** 25(2):353–4, Mar 76

Mechanism of immunity of schistosomiasis: histopathologic study of lesions elicited in rhesus monkeys during immunizations and challenge with cercariae of Schistosoma japonicum. Hsü SY, et al. **J Reticuloendothel Soc** 18(3):167–85, Sep 75

Evaluation of the circumoval precipitin test using dried blood on filter paper as a diagnostic tool in epidemiological survey for schistosomiasis. Noseñas JS, et al. **Jpn J Exp Med** 45(5):367–75, Oct 75

The circumoval precipitin test in early experimental schistosomiasis japonica. Garcia EG. **Southeast Asian J Trop Med Public Health** 6(3):425–9, Sep 75

ISOLATION & PURIFICATION

Multispecies schistosomal infections of the female genital tract detected in cytology smears. Berry A. **Acta Cytol (Baltimore)** 20(4):361–5, Jul–Aug 76

Observations on Schistosoma mattheei Veglia and Le Roux, 1929 infections in man in Zambia. Hira PR. **Ann Soc Belg Med Trop** 55(6):633–42, 1975

Parasitological studies at a new breeding area of Oncomelania hupensis chiui in Taipei county, Taiwan. Chiu JK, et al. **Chin J Microbiol** 8(2):172–8, Jun 75

Species of schistosomes found in man in Egypt. Tadros G, et al. **Egypt J Bilharz** 1(1):141–52, 1974

Further evaluation of blood circumoval precipitin test (filter paper) and stool formalin–ether method in schistosomiasis japonica field surveys. Cabrera BD. **Southeast Asian J Trop Med Public Health** 6(4):495–504, Dec 75

Distribution of Oncomelania hupensis in the Napu Valley of Central Sulawesi, Indonesia. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 6(2):211–8, Jun 75

Letter: Spurious human infections with Schistosoma bovis. Teesdale CH. **Trans R Soc Trop Med Hyg** 70(2):165, 1976

METABOLISM

The effect of inhibitors on the hydrolysis of acetylcholine by four species of Schistosoma. Gear NR. **Comp Biochem Physiol [C]** 55(1):5–10, 1976

PATHOGENICITY

Significance of Schistosomiasis japonica in the development of cancer of the large intestine: report of a case and review of the literature. Shindo K. **Dis Colon Rectum** 19(5):460–9, Jul–Aug 76

PHYSIOLOGY

The timing of reproductive cell development and movement in Schistosoma mansoni, S. japonicum, and S. haematobium, using techniques of autoradiography and transplantation. Nollen PM, et al. **J Parasitol** 62(2):227–31, Apr 76

RADIATION EFFECTS

Towards the development of a live vaccine for schistosomias. pp. 165–73. Taylor MG. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Immunisation of sheep against Schistosoma mattheei using either irradiated cercariae or irradiated schistosomula. Taylor MG, et al. **J Helminthol** 50(1):1–9, Mar 76

Recovery of schistosomula in the skin of rhesus monkeys immunized with cercariae of Schistosoma japonicum exposed to high dose of x–irradiation. Hsü SY, et al. **J Parasitol** 61(6):1108–9, Dec 75

SCHISTOSOMA HAEMATOBIUM

Studies on schistosomiasis in Saudi Arabia. Arfaa F. **Am J Trop Med Hyg** 25(2):295–8, Mar 76

Tissue degradation of calcific Schistosoma haematobium eggs. Smith JH, et al. **Am J Trop Med Hyg** 25(4):595–601, Jul 76

Oxamniquine (UK–4271) in Schistosoma haematobium infections. McMahon JE. **Ann Trop Med Parasitol** 70(1):121–2, Mar 76

Exposure of the snail, Ferrissia sp. (Ancylidae, limpet) to S. hematobium miracidia. Radhawy I. **Bull Endem Dis (Baghdad)** 16(1–2):97–9, 1975

Calcification of Schistosoma haematobium eggs: relation of radiologically demonstrable calcification to eggs in tissues and passage of eggs in urine. **Cent Afr J Med** 22(6):123, Jun 76

Relationship between pure schistosoma haematobium infection in Upper Egypt and irrigation systems. Part III: Host characteristics. The prevalence of S. haematobium in relation to religon, occupation, and habits. Hammam HM, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):227–41, Jul–Oct 75

Relationship between pure Schistosoma haematobium infection in Upper Egypt and irrigation systems. Part II: Host characteristics. The general prevalence of Schistosoma haematobium, age and sex distribution. Hammam HM, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):215–26, Jul–Oct 75

Relationship between pure Schistosoma haematobium infection in Upper Egypt and irrigation systems. Part I: methods of study. Hammam HM, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):201–13, Jul–Oct 75

Experimental schistosomiasis haematobia in bushbaby (Galago crassicaudatus), Patas (Erythrocebus patas), and Grivet (Cercopithecus aethiops). Kuntz RE, et al. **J Med Primatol** 4(3):154–64, 1975

Calcification of the bladder and papillary tumours of the bladder and ureters in gibbons (Hylobates lar) infected with Schistosoma haematobium (Iran). Kuntz RE, et al. **Trans R Soc Trop Med Hyg** 69(5–6):494–502, 1975

Letter: Bulinus sp. (2n = 36) from Salisbury, Rhodesia, a close relative of Bulinus truncatus (Audouin), being a potential intermediate host of Schistosoma haematobium in south–east Africa. Mandahl–Barth G, et al. **Trans R Soc Trop Med Hyg** 70(1):88, 1976

CYTOLOGY

The presence of oocytes in the testes of Schistosoma haematobium. Deters DL, et al. **J Parasitol** 62(2):342–5, Apr 76

GROWTH & DEVELOPMENT

Culture of Schistosoma haematobium in vivo and in vitro. Smith M, et al. **Ann Trop Med Parasitol** 70(1):101–7, Mar 76

IMMUNOLOGY

Intermediate host antigens associated with the cercariae of Schistosoma haematobium. Jackson TF. **J Helminthol** 50(1):45–7, Mar 76

ISOLATION & PURIFICATION

Two new field techniques for detection and counting of Schistosoma haematobium eggs in urine samples, with an

evaluation of both methods. Dazo BC, et al. **Bull WHO** 51(4):399–408, 1974

A comparison of Sudanese and South African strains of Schistosoma haematobium. James C, et al. **J Helminthol** 49(3):191–7, Sep 75

METABOLISM

Carbohydrate metabolism in uninfected and trematode-infected snails Biomphalaria alexandrina and Bulinus truncatus. Ishak MM, et al. **Comp Biochem Physiol [B]** 51(4):499–505, 15 Aug 75

PHYSIOLOGY

A comparative study of the death of schistosomula of Schistosoma haematobium and Schistosoma mansoni in the skin of mice and hamsters. Ghandour AM, et al. **J Helminthol** 50(1):39–43, Mar 76

The timing of reproductive cell development and movement in Schistosoma mansoni, S. japonicum, and S. haematobium, using techniques of autoradiography and transplantation. Nollen PM, et al. **J Parasitol** 62(2):227–31, Apr 76

RADIATION EFFECTS

The effect of ultra-violet radiation on cercariae of Schistosoma mansoni and Schistosoma haematobium. Ghandour AM, et al. **J Helminthol** 49(3):153–9, Sep 75

SCHISTOSOMA MANSONI

Morbidity in Schistosomiasis mansoni in relation to intensity of infection: study of a community in Machakos, Kenya. Arap Siongok TK, et al. **Am J Trop Med Hyg** 25(2):273–84, Mar 76

Studies on schistosomiasis in Saudi Arabia. Arfaa F. **Am J Trop Med Hyg** 25(2):295–8, Mar 76

Hycanthone dose-response in treatment of schistosomiasis mansoni in St. Lucia. Cook JA, et al. **Am J Trop Med Hyg** 25(4):602–7, Jul 76

Schistosoma mansoni in baboons. III. The course and characteristics of infection, with additional observations on immunity. Damian RT, et al. **Am J Trop Med Hyg** 25(2):299–306, Mar 76

Relation of intensity of infection to disease in hamsters with acute schistosomiasis mansoni. Grove DI, et al. **Am J Trop Med Hyg** 25(4):608–12, Jul 76

The intensity and effects of infection with Schistosoma mansoni in a rural community in northeast Brazil. Lehman JS Jr, et al. **Am J Trop Med Hyg** 25(2):285–94, Mar 76

Renal involvement in patients with hepatosplenic Schistosomiasis mansoni. Rocha H, et al. **Am J Trop Med Hyg** 25(1):108–15, Jan 76

Secondary amyloidosis due to Schistosoma mansoni infection. Omer HO, et al. **Br Med J** 1(6006):375–7, 14 Feb 76

Control of Schistosoma mansoni transmission by provision of domestic water supplies. A preliminary report of a study in St Lucia. Jordan P, et al. **Bull WHO** 52(1):9–20, 1975

A snail intermediate host of Schistosoma mansoni introduced into Hong Kong. Meier-Brook C. **Bull WHO** 51(6):661, 1974

Individual household water supplies as a control measure against Schistosoma mansoni. A study in rural St Lucia. Unrau GO. **Bull WHO** 52(1):1–8, 1975

Intermediate host specificity in Schistosoma mansoni. Basch PF. **Exp Parasitol** 39(1):150–69, Feb 76 (103 ref.)

Transfer of Schistosoma mansoni into the mesenteric veins of hamsters. Cioli D. **Int J Parasitol** 6(4):349–54, Aug 76

Antieosinophil serum and the kinetics of eosinophilia in Schistosomiasis mansoni. Mahmoud AA, et al. **J Exp Med** 142(3):560–74, 1 Sep 75

Comparison of the Bell technique, a modified Kato thick smear technique, and a digestion method for the field diagnosis of schistosomiasis mansoni. Teesdale CH, et al. **J Helminthol** 50(1):17–20, Mar 76

Calorie and protein malnutrition in chronic murine schistosomiasis mansoni: effect on the parasite and the host. Akpom CA, et al. **J Infect Dis** 132(1):6–14, Jul 75

The lymphokine eosinophil stimulation promoter and human schistosomiasis mansoni. Kazura JW, et al. **J Infect Dis** 132(6):702–6, Dec 75

Schistosomiasis mansoni and japonicum in Microtus montanus. Ackerman SB, et al. **J Parasitol** 62(1):157–9, Feb 76

Eye penetration by cercariae of Schistosoma mansoni. Lester RJ, et al. **J Parasitol** 61(5):970–2, Oct 75

A potential intermediate host of Schistosoma mansoni from Haiti. Michelson EH. **J Parasitol** 62(4):648–9, Aug 76

Clinical evaluation of niridazole and hycanthone in schistosomiasis mansoni endemic areas. Katz N. **J Toxicol Environ Health** 1(2):203–9, Nov 75

Evaluation of schistosomicides against experimentally established Schistosoma mansoni infections in mice and hamsters. Yarinsky A. **J Toxicol Environ Health** 1(2):229–42, Nov 75

Infection with Schistosoma mansoni in the Gezire area of the Sudan. Omer AH, et al. **J Trop Med Hyg** 79(7):151–7, Jul 76

Clinical treatment of schistosomiasis mansoni with a new schistosomicidal agent: hycanthone or etrenol. Sotomayor ZR, et al. **J Trop Med Hyg** 79(1):18–21, Jan 76

A natural case of Schistosoma mansoni in the chimpanzee (Pan troglodytes versus). Renquist DM, et al. **Lab Anim Sci** 25(6).763–8, Dec 75

Intraspecific variations in the hemolymph of Biomphalaria glabrata, a snail host of Schistosoma mansoni. Michelson EH, et al. **Malacologia** 15(1):105–11, 1975

The karyotype of Biomphalaria glabrata, the snail vector of Schistosoma mansoni. Raghunathan L. **Malacologia** 15(2):447–50, 1976

A surgical approach in the treatment of Schistosoma mansoni. Conkle DM, et al. **South Med J** 69(6):747–8, Jun 76

Schistosomiasis (bilharziasis) mansoni of the spinal cord stimulating an intramedullary tumor. Luyendijk W, et al. **Surg Neurol** 4(5):457–60, Nov 75

Letter: Clinical trials with oxamniquine in the treatment of human mansonian schistosomiasis. Caetano da Silva L, et al. **Trans R Soc Trop Med Hyg** 69(2):288–9, 1975

Migration of schistosomula (Schistosoma mansoni) collected from hamsters and inoculated intraperitoneally in mice. Coelho PM, et al. **Trans R Soc Trop Med Hyg** 70(2):161, 1976

Letter: Oral dosing of antimonials against Schistosoma mansoni. Coles GC. **Trans R Soc Trop Med Hyg** 69(2):291, 1975

Passive transfer of immunity in human Schistosomiasis mansoni: effect of transfer factor on early established infections. Warren KS, et al. **Trans R Soc Trop Med Hyg** 69(5–6):488–93, 1975

Proceedings: Comparison of three methods for the diagnosis of schistosomiasis mansoni in the stools: the Bell, Kato and digestion concentration methods. Amin MA, et al. **West Afr J Pharmacol Drug Res** 2(1):97P, Dec 74

Proceedings: Assessment of physical performance and lung function in Schistosoma mansoni infection. Mahmoud N, et al. **West Afr J Pharmacol Drug Res** 2(1):96P, Dec 74

[Oestradiol does not modify the proportion between male and female S. mansoni worms in experimental infestation of the golden female hamster (author's transl)] Combescot C, et al. **Ann Parasitol Hum Comp** 50(5):629–33, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Experimental Schistosomiases. I. Study of S. mansoni fecondity as regards to its adaptation to different Biomphalaria glabrata strains (author's transl)] Golvan YJ, et al. **Ann Parasitol Hum Comp** 50(5):617–28, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Castration of the snail Biomphilaria glabrata by the larvae of various Guadeloupean trematoda] Golvan Y, et al. **C R Acad Sci [D] (Paris)** 280(13):1607–10, 7 Apr 75 (Eng. Abstr.) **(Fre)**

[Letter: Pseudotumoral pulmonary schistosomiasis due to Schistosoma mansoni] Akoun G, et al. **Nouv Presse Med** 4(33):2408, 11 Oct 75 **(Fre)**

[Editorial: The kidney and schistosomiasis mansoni] de Oliveira e Silva A, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(1):1–4, Jan–Feb 76 **(Por)**

[Susceptibility of Biophalaria tenagophila and B. glabrata to 2 strains of Schistosoma mansoni] Borda CE, et al. **Rev Inst Med Trop Sao Paulo** 18(3):157–64, May–Jun 76 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Patterns of argentophilic papillae of Schistosoma rodhaini and S. mansoni cercariae. Short RB, et al. **J Parasitol** 62(3):420–5, Jun 76

CYTOLOGY

[Study on histological sections of morphological modifications of Schistosoma mansoni ova. Value for the appreciation of the efficiency in antibilharasis treatments] Coulanges P, et al. **Nouv Presse Med** 5(28):1753–4, 28 Aug–4 Sep 76 **(Fre)**

DRUG EFFECTS

Anticholinergic properties of the antischistosomal drug hycanthone. Hillman GR, et al. **Am J Trop Med Hyg** 24(5):827–34, Sep 75

Acetylcholine receptors in Schistosoma Mansoni: visualization and blockade by hycanthone. Hillman GR, et al. **Biochem Pharmacol** 24(20):1911–4, 15 Oct 75

The response of Schistosoma mansoni maintained in vitro to schistosomicidal compounds. Coles GC. **J Helminthol** 49(3):205–9, Sep 75

The effect of sublethal concentrations of the molluscicide niclosamide on the infectivity of Schistosoma mansoni cercariae. Ghandour AM, et al. **J Helminthol** 49(4):245–50, Dec 75

Schistosoma mansoni miracidia: stimulation by calcium and magnesium. Sponholtz GM, et al. **J Parasitol** 62(1):155–7, Feb 76

Preliminary laboratory trials with oxamniquine as a prophylactic agent in schistosomiasis. Pellegrino J, et al. **Rev Inst Med Trop Sao Paulo** 18(2):97–101, Mar–Apr 76

[Hycanthone in a single intramuscular dose. Therapeutic results obtained in subjects excreting S. mansoni eggs and treated at Kapolowe (region of the artificial lake of Lufira, Republic of Zaire)] Raccurt C, et al. **Bull Soc Pathol Exot** 67(4):425–35, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Schistosoma mansoni: partial characterization of enzyme(s) secreted from the preacetabular glands of cercariae. Campbell DL, et al. **Exp Parasitol** 40(1):33–40, Aug 76

Cytochemical localization of peroxidase activity in the miracidium of Schistosoma mansoni. Bogitsh BJ. **J Parasitol** 61(4):621–6, Aug 75

Biochemical and cytochemical studies of digestive-absorptive functions of esophagus, cecum, and tequment in Schistosoma mansioni: acid phosphatase and tracer studies. Ernst SC. **J Parasitol** 61(4):633–47, Aug 75

Histochemical demonstration of acetylcholinesterase in sporocysts of Schistosoma mansoni (Trematoda). DiConza JJ, et al. **Parasitology** 71(2):305–10, Oct 75

GROWTH & DEVELOPMENT

Intramolluscan trematode antagonism in a genetically susceptible strain of Biomphalaria glabrata. Page MR, et al. **Int J Parasitol** 6(2):117–20, Apr 76

Schistosoma mansoni: in vitro conversion of cercariae to schistosomula. Eveland LK, et al. **Parasitology** 71(2):327–35, Oct 75

[The role of the rat in the dynamics of endemic schistosomias in Guadeloupe] Combes C, et al. **C R Acad Sci [D] (Paris)** 281(14):1059–61, 6 Oct 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Eosinophil-enriched inflammatory response to schistosomula in the skin of mice immune to Schistosoma mansoni. Lichtenberg F, et al. **Am J Pathol** 84(3):479–500, Sep 76

Immunizing efficacy of a Kenyan strain of Schistosoma mansoni in rhesus monkeys (Macaca mulatta). Damian RT, et al. **Am J Trop Med Hyg** 25(2):355–7, Mar 76

A re-evaluation of the slide flocculation test for the diagnosis of schistosomiasis with adult worms as antigen. Hansen IM. **Am J Trop Med Hyg** 25(3):422–6, May 76

Resistance to infection with Schistosoma mansoni after immunization with worm extracts or live cercariae: role of cytotoxic antibody in mice and guinea pigs. Murrell KD, et al. **Am J Trop Med Hyg** 24(6 Pt 1):955–62, Nov 75

Eosinophils and immune mechanisms. IV. Culture conditions, antigen requirements, production kinetics and immunologic specificity of the lymphokine eosinophil stimulation promoter. Colley DG. **Cell Immunol** 24(2):328–35, 15 Jun 76

The cellular and humoral immune response to Schistosoma mansoni infections in inbred rats. I. Mechanisms during initial exposure. Phillips M, et al. **Cell Immunol** 19(1):99–116, Sep 75

Partial isolation of a membrane antigen which induces the formation of antibodies lethal to schistosomes cultured in vitro. Sher A, et al. **Clin Exp Immunol** 18(3):357–69, Nov 74

Partial isolation of a membrane antigen which induces the formation of antibodies lethal to schistosomes cultured in vitro. Sher A, et al. **Clin Exp Immunol** 18(3):357–69, Nov 74

Schistosoma mansoni: reduction in clinical manifestations and in worm burdens conferred by serum and transfer factor from immune or normal rhesus monkeys. Maddison SE, et al. **Exp Parasitol** 39(1):29–39, Feb 76

Hypersensitivity to Schistosoma mansoni antigens. I: Immunochemical and biological characterization of an antigenic extract. Hussain R, et al. **Immunochemistry** 12(6–7):561–7, Jul 75

The allergens of Schistosoma mansoni. II. Further separation by sephadex G-200 and ion-exchange chromatography. Harris WG. **Immunology** 29(5):835–44, Nov 75

Immunologic consequences of schistosome infection. pp. 171–9. Colley DG. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.** (23 ref.)

Immunity to worms. pp. 376–80. Soulsby EJ. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Use of radioactive isotopes in the study of specific schistosome membrane antigens. pp. 127–43. Kusel JR, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Immunization experiments with various booster antigens after chemotherapeutic eradication of Schistosoma mansoni in white mice. pp. 145–57. Striebel HP, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Suppressive effect of a chronic helminth infection, schistosomiasis mansoni, on the in vitro responses of spleen and lymph node cells to the T cell mitogens phytohemagglutinin and concanavalin A. Pelley RP, et al. **Infect Immun** 13(4):1176–83, Apr 76

The host antigen phenomenon in experimental murine schistosomiasis: the transfer of 3-week old Schistosoma mansoni between two inbred strains of mice. Boyer MH, et al. **Int J Parasitol** 6(3):235–8, Jun 76

Occurrence of an agglutinin in Schistosoma mansoni. Cesari IM. **Int J Parasitol** 6(4):295–8, Aug 76

Schistosoma mansoni: a comparison of mouse and rat worms with respect to host antigens detected by the technique of transfer into hamsters. Cioli D. **Int J Parasitol** 6(4):355–62, Aug 76

A role for the eosinophil in acquired resistance to Schistosoma mansoni infection as determined by antieosinophil serum. Mahmoud AA, et al. **J Exp Med**

142(4):805–13, 1 Oct 75

The host antigen phenomenon in experimental murine schistosomiasis. II. Failure to demonstrate destruction of parasites transferred from hamsters to mice. Boyer MH, et al. **J Immunol** 116(4):1093–5, Apr 76

The course of Schistosoma mansoni infection in thymectomized rats. Cioli D, et al. **J Immunol** 117(1):59–65, Jul 76

Soluble antigens and antibodies in sera from baboons infected with Schistosoma mansoni. Houba V, et al. **J Immunol** 117(2):705–7, Aug 76

Immunocytochemical studies on Schistosoma mansoni. I. Soluble egg antigen in eggshell–enclosed miracidium. Bogitsh BJ, et al. **J Parasitol** 61(6):1031–40, Dec 75

Survival of schistosomula (Schistosoma mansoni) transferred from hamsters to mice immunized against the donor host. Coelho PM, et al. **J Parasitol** 62(1):159–61, Feb 76

Immunocytochemical localization of mouse alpha 2–macroglobulinlike antigenic determinants on Schistosoma mansoni adults. Kemp WM, et al. **J Parasitol** 62(3):413–9, Jun 76

Immunoglobulins attached to and in the integument of adult Schistosoma mansoni Sambon 1907, from first infection of CF mice. Sogandares–Bernal F. **J Parasitol** 62(2):222–6, Apr 76

Spleen cells from Schistosoma mansoni–infected mice produce diffusible stimulator of eosinophilopoiesis in vivo. Miller AM, et al. **Nature** 262(5569):586–7, 12 Aug 76

Stimulation and suppression of response of mouse T cells to the schistosomules of Schistosoma mansoni during infection. Ramalho–Pinto FJ, et al. **Nature** 259(5544):603–4, 19 Feb 76

Complement–dependent adherence of mast cells to schistosomula. Sher A. **Nature** 263(5575):334–6, 23 Sep 76

The release of membrane antigens into culture by adult Schistosoma mansoni. Kusel JR, et al. **Parasitology** 71(2):247–59, Oct 75

Evasion of the immune response by parasites. Terry RJ, et al. **Symp Soc Exp Biol** (29):453–65, 1975 (51 ref.)

[Proceedings: Soluble antigen–antibody complexes in human and experimental bilharziasis. Preliminary results] Bout D, et al. **Ann Immunol (Paris)** 126(3):354, Apr 75 **(Fre)**

[The role of specific IgE antibodies in the immune adherence of normal macrophages to schistosomes of Schistosoma mansoni] Capron A, et al. **C R Acad Sci [D] (Paris)** 280(7):927–30, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Antigenic structure of hemolymph and tissue extract of Biomphalaria glabrata infested or not infested with Schistosoma mansoni] Gysin J, et al. **C R Acad Sci [D] (Paris)** 281(17):1283–5, 27 Oct 75 **(Fre)**

[Unusual distribution of fluorescent marking during Schistosoma mansoni schistosomiasis (author's transl)] Niel G, et al. **Pathol Biol (Paris)** 24(4):277–82, Apr 76 (Eng. Abstr.) **(Fre)**

[Considerations on the immunology of bilharziasis due to Schistosoma mansoni. II] Ravazzoni L, et al. **Nuovi Ann Ig Microbiol** 26(2–3):167–74, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

[Epidemiological study of intestinal and urinary bilharziasis in the region of the artificial lake of Lufira. 5. Effects of helminthiasis on the health of subjects excreting eggs of Schistosoma mansoni] Raccurt C, et al. **Bull Soc Pathol Exot** 67(4):402–22, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

METABOLISM

The differences between the long chain polyenoic acids of adult Schistosoma mansoni and the serum of its host. Fripp PJ, et al. **Comp Biochem Physiol [B]** 53(4):505–7, 1976

Carbohydrate metabolism in uninfected and trematode–infected snails Biomphalaria alexandrina and Bulinus truncatus. Ishak MM, et al. **Comp Biochem Physiol [B]** 51(4):499–505, 15 Aug 75

Absorption of amino acids by Schistosoma mansoni. Isseroff H, et al. **Comp Biochem Physiol [B]** 54(1):125–33, 1976

Purine and pyrimidine transport in Schistosoma mansoni. Levy MG, et al. **J Parasitol** 61(4):627–32, Aug 75

Relation of tegumentary phosphohydrolase to purine and pyrimidine transport in Schistosoma mansoni. Levy MG, et al. **J Parasitol** 61(4):648–56, Aug 75

The measurement of the relative turnover rates of proteins of the surface membranes and other fractions of Schistosoma mansoni in culture. Kusel JR, et al. **Parasitology** 71(2):261–73, Oct 75

Factors affecting surface changes in intact cercariae and cercarial bodies of Schistosoma mansoni. Ramalho–Pinto FJ, et al. **Parasitology** 71(1):19–25, Aug 75

The tegument of Schistosoma mansoni: a histochemical investigation. Wheater PR, et al. **Parasitology** 72(1):99–109, Feb 76

Proceedings: Metabolic activities and chemotherapy in Schistosomiasis mansoni. Magzoub M. **West Afr J Pharmacol Drug Res** 2(1):97P, Dec 74

PATHOGENICITY

Effect of selected chemical agents on longevity and infectivity of Schistosoma mansoni cercariae. Asch HL. **Exp Parasitol** 38(2):208–16, Oct 75

PHYSIOLOGY

Field studies on the bionomics of the free–living stages of St. Lucian Schistosoma mansoni. Upatham ES. **Int J Parasitol** 6(3):239–45, Jun 76

A comparative study of the death of schistosomula of Schistosoma haematobium and Schistosoma mansoni in the skin of mice and hamsters. Ghandour AM, et al. **J Helminthol** 50(1):39–43, Mar 76

Predation by Echinostome rediae upon Schistosome sporocysts in vitro. Basch PF, et al. **J Parasitol** 61(6):1044–7, Dec 75

The timing of reproductive cell development and movement in Schistosoma mansoni, S. japonicum, and S. haematobium, using techniques of autoradiography and transplantation. Nollen PM, et al. **J Parasitol** 62(2):227–31, Apr 76

Magnesium emitted by snails alters swimming behaviour of Schistosoma mansoni miracidia. Stibbs HH, et al. **Nature** 260(5553):702–3, 22 Apr 76

[The effect of salt solutions of different ionic composition on the swimming activity of cercaria of Schistosoma mansoni] Becker W, et al. **Z Parasitenkd** 50(1):99–101, 27 Jul 76 **(Ger)**

[The attachment response of the cercaria of Schistosoma mansoni. Influence of natural substrates and temperature (author's transl)] Haas W. **Z Parasitenkd** 49(1):63–72, 31 Mar 76 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

The effect of ultra–violet radiation on cercariae of Schistosoma mansoni and Schistosoma haematobium. Ghandour AM, et al. **J Helminthol** 49(3):153–9, Sep 75

The effect of gamma radiation on cercariae of Schistosoma mansoni. Ghandour AM, et al. **J Helminthol** 49(3):161–5, Sep 75

ULTRASTRUCTURE

Schistosoma mansoni: description of the head gland of cercariae and schistosomules at the ultrastructural level. Dorsey CH. **Exp Parasitol** 39(3):444–59, Jun 76

Schistosoma mansoni: development of the vitelline cell, its role in drug sequestration, and changes induced by Astiban. Erasmus DA. **Exp Parasitol** 38(2):240–56, Oct 75

The fine structure of Schistosoma mansoni sperm (Trematoda: Digenea). Kitajima EW, et al. **J Parasitol** 62(2):215–21, Apr 76

Schistosoma mansoni: tail loss in relation to permeability changes during cercaria–schistosomulum transformation. Howells RE, et al. **Parasitology** 71(1):9–18, Aug 75

A freeze–fracture study of the tegumental membrane of Schistosoma mansoni (Platyhelminthes:Trematoda). Hockley DJ, et al. **Tissue Cell** 7(3):485–96, 1975

SCHISTOSOMIASIS

Granulomatous oophoritis due to Schistosoma mansoni. Mahmood K. **Am J Obstet Gynecol** 123(8):919–20, 15 Dec 75

Manson's schistosomiasis; frontiers in vivo, in vitro, and in the body politic. Weller TH. **Am J Trop Med Hyg** 25(2):208–16, Mar 76

Schistosomal nephropathy? I. Preliminary studies of a patient with schistosomiasis mansoni and glomerulonephritis in Puerto Rico. Hillyer GV, et al. **Bol Asoc Med PR** 67(11):339–44, Nov 75

Bilharzial polyposis of the rectum and sigmoid colon. Tikriti F, et al. **Br J Surg** 63(6):458–9, Jun 76

Editorial: Human schistosomiasis (an African health challenge). Mousa AH. **Egypt J Bilharz** 1(1):1–7, 1974

Schistosomiasis: its significance in a changing human ecology. Weller TH. **J Toxicol Environ Health** 1(2):185–90, Nov 75

Nutrition and intestinal parasitic infection. Layrisse M, et al. **Prog Food Nutr Sci** 1(10):645–67, 1975 (182 ref.)

Editorial: Hepatosplenic schistosomiasis: a tropical noncirrhosis. Conn HO. **Yale J Biol Med** 48(5):349–352, Nov 75

Clinical aspects of hepatosplenic schistosomiasis: a contrast with cirrhosis. Rebouças G. **Yale J Biol Med** 48(5):369–76, Nov 75

[Letter: Research project concerning bilharziasis (schistosomiasis)] Ornbjerg CN. **Ugeskr Laeger** 138(31):1891–2, 26 Jul 76 **(Dan)**

[Cell culture of snails. Their use in the study of immunologic host–parasite relationships in schistosomiasis] Benex J, et al. **Bull Soc Pathol Exot** 68(5):474–82, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Meaning of schistosomiasis for Brazil] Prata A. **Rev Assoc Med Bras** 21(10):301–2, Oct 75 **(Por)**

[Editorial: Prof. Meira and hepato–splenic schistosomiasis] Jamra M. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):141–3, May–June 76 **(Por)**

[Susceptibility of Biomphalaria straminea from the Lao Santa region (MG) to Schistosoma mansoni] Gerken SE, et al. **Rev Inst Med Trop Sao Paulo** 17(6):338–43, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Susceptibility of Biophalaria tenagophila and B. glabrata to 2 strains of Schistosoma mansoni] Borda CE, et al. **Rev Inst Med Trop Sao Paulo** 18(3):157–64, May–Jun 76 (Eng. Abstr.) **(Spa)**

BLOOD

Fatty acid composition of serum lipids in bilharzial hepatic fibrosis and chronic active hepatitis. Gabr Y, et al. **Acta Biol Med Ger** 34(1):45–51, 1975

Serum glycoproteins in schistosomiasis. Mousa W, et al. **Am J Trop Med Hyg** 25(5):709–13, Sep 76

Copper and ceruloplasmin contents in the blood serum of peripheral and pre–hepatic veins. Canelas HM, et al. **Arq Neuropsiquiatr** 34(1):46–9, Mar 76

Serum glycoproteins in hepatic bilharziasis. Hussein KK, et al. **J Egypt Med Assoc** 58(1–2):45–51, 1975

The lymphokine eosinophil stimulation promoter and human schistosomiasis mansoni. Kazura JW, et al. **J Infect Dis** 132(6):702–6, Dec 75

COMPLICATIONS

Animal model of human disease: carcinoma of the urinary bladder in Schistosoma haematobium infection. Cheever AW. **Am J Pathol** 84(3):673–6, Sep 76

Cryptococcal granuloma (toruloma) of the central nervous system in a patient with schistosomiasis. Adeloye A, et al. **Am J Trop Med Hyg** 25(1):129–31, Jan 76

Schistosomiasis. Paraplegia and ectopic skin lesions as admission symptoms. Wood MG, et al. **Arch Dermatol** 112(5):690–5, May 76

Cutaneous ectopic schistosomiasis. MacDonald DM, et al. **Br J Dermatol** 95 Suppl 24:57–8, Jul 76

Secondary amyloidosis due to Schistosoma mansoni infection. Omer HO, et al. **Br Med J** 1(6006):375–7, 14 Feb 76

Comparison of scholastic progress between bilharzia infected and non–infected pupils in a rural school. Radhawy I. **Bull Endem Dis (Baghdad)** 16(1–2):83–6, 1975

Primary liver cancer coincident with Schistosomiasis japonica. A study of 24 necropsies. Nakashima T, et al. **Cancer** 36(4):1483–9, Oct 75

Proliferative epithelial lesions of the urinary bladder in cynomolgus monkeys (Macaca fascicularis) infected with Schistosoma intercalatum. Cheever AW, et al. **Cancer Res** 36(8):2928–31, Aug 76

The relationship between bilharziasis and typhoid fever employing the Widal test as a screening procedure. Franco MM, et al. **Cent Afr J Med** 22(3):47–50, Mar 76

Cystic teratoma of ovary associated with schistosomiasis. Sunder–Raj S. **East Afr Med J** 53(2):111–4, Feb 76

Bilharziasis of the appendix (report of three cases). El–Shenawy SF. **Egypt J Bilharz** 1(1):135–9, 1974

Parasites and cancer. Gawish N. **Egypt J Bilharz** 2(1):131–6, 1975

Some urological aspects of haematobiasis (points of view on pathogenesis). Makar N. **Egypt J Bilharz** 1(1):55–64, 1974

Hepato–splenic schistosomiasis (endemic–hepatosplenomegaly). Mousà AH. **Egypt J Bilharz** 2(1):1–21, 1975

Lipid pattern in Bilharzial hepatic fiprosis. Mousá W, et al. **Egypt J Bilharz** 2(1):83–93, 1975

Calorie and protein malnutrition in chronic murine schistosomiasis mansoni: effect on the parasite and the host. Akpom CA, et al. **J Infect Dis** 132(1):6–14, Jul 75

Experimental biharzial bladder cancer: tryptophan metabolism in nonhuman primates experimentally infected with Schistosoma haematobium. Brown RR, et al. **J Natl Cancer Inst** 56(1):101–4, Jan 76

Pattern of bladder cancer in the Sudan and its relation to schistosomiasis: a study of 255 vesical carcinomas. Malik MO, et al. **J Trop Med Hyg** 78(10–11):219–23, Oct–Nov 75

The role of lymphatics in the formation of ascites complicating schistosomal hepatic fibrosis. Ismail AM, et al. **Lymphology** 9(2):43–6, Jun 76

Hydronephrosis in a series of 3,400 post–mortem examinations in Zambia, with special reference to Bilharharzia. Fine J. **Med J Zambia** 9(4):98–101, Aug–Sep 75

Secondary lesions of the nervous system in some infectious and toxic–allergic conditions in Zambia. Kiselev VB. **Med J Zambia** 9(5):125–7, Oct–Nov 75

Subluxation of cervical spine in major epileptic seizure due to cerebral schistosomiasis. Wu WQ, et al. **Surg Neurol** 5(6):333–5, Jun 76

Calcification of the bladder and papillary tumours of the bladder and ureters in gibbons (Hylobates lar) infected with Schistosoma haematobium (Iran). Kuntz RE, et al. **Trans R Soc Trop Med Hyg** 69(5–6):494–502, 1975

Schistosomiasis of the uterus in association with uterine fibroids. Adeleye JA, et al. **Trop Geogr Med** 27(2):206–8, Jun 75

[Uretero–ileoplasty in bilharzian uretero–hydronephrosis] Cornet L, et al. **J Chir (Paris)** 111(4):417–30, Apr 76 (Eng. Abstr.) **(Fre)**

[Salmonellosis of prolonged course associated with hepatic–splenic schistosomiasis mansoni. Analysis of 7 cases] Ferreira JM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):144–50, May–June 76 (Eng. Abstr.) **(Por)**

[Atypical aspects of typhoid fever occurring in patients with hepatosplenic schistosomiasis. Study of 29 cases] Ferreira JM, et al. **Rev Inst Med Trop Sao Paulo** 17(6):368–79, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Chronic schistosomiatic cholecystitis. Considerations on a case] Parra OM, et al. **Rev Inst Med Trop Sao Paulo** 18(2):113–9, Mar–Apr 76 **(Por)**

[Acute phase of intestinal schistosomiasis with involvement of the central nervous system] Pokrovskiĭ VI, et al. **Med Parazitol (Mosk)** 44(2):157–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

A re-evaluation of the slide flocculation test for the diagnosis of schistosomiasis with adult worms as antigen. Hansen IM. **Am J Trop Med Hyg** 25(3):422–6, May 76

Experimental optimization of the DASS system for immunodiagnosis of some helminth infections. Deelder AM, et al. **Ann NY Acad Sci** 254:119–36, 30 Jun 75

Diagnosis of parasitic diseases by filtration. Bell DR. **Ann Soc Belg Med Trop** 55(5):489–96, 1975

Editorial: Circulating antibodies and antigens in schistosomiasis. **Br Med J** 3(5981):451, 23 Aug 75

The value of the skin test in the diagnosis of bilharziasis in Egypt. Saif M, et al. **J Egypt Med Assoc** 58(1–2):90–3, 1975

Comparison of the Bell technique, a modified Kato thick smear technique, and a digestion method for the field diagnosis of schistosomiasis mansoni. Teesdale CH, et al. **J Helminthol** 50(1):17–20, Mar 76

Screening of cirrhosis in Thailand for schistosomiasis by rectal biopsy. Sriratanaban A, et al. **J Med Assoc Thai** 58(11):567–9, Nov 75

Evaluation of the circumoval precipitin test using dried blood on filter paper as a diagnostic tool in epidemiological survey for schistosomiasis. Noseñas JS, et al. **Jpn J Exp Med** 45(5):367–75, Oct 75

Evaluation of a technique of circumoval precipitin test using blood taken on filter paper and a microtiter technique of complement fixation test of Schistosoma japonicum. Tanaka H, et al. **Jpn J Exp Med** 45(2):105–11, Apr 75

Further evaluation of blood circumoval precipitin test (filter paper) and stool formalin–ether method in schistosomiasis japonica field surveys. Cabrera BD. **Southeast Asian J Trop Med Public Health** 6(4):495–504, Dec 75

The circumoval precipitin test in early experimental schistosomiasis japonica. Garcia EG. **Southeast Asian J Trop Med Public Health** 6(3):425–9, Sep 75

Schistosomiasis (bilharziasis) mansoni of the spinal cord stimulating an intramedullary tumor. Luyendijk W, et al. **Surg Neurol** 4(5):457–60, Nov 75

Letter: Spurious human infections with Schistosoma bovis. Teesdale CH. **Trans R Soc Trop Med Hyg** 70(2):165, 1976

Proceedings: Comparison of three methods for the diagnosis of schistosomiasis mansoni in the stools: the Bell, Kato and digestion concentration methods. Amin MA, et al. **West Afr J Pharmacol Drug Res** 2(1):97P, Dec 74

Immunodiagnosis of human schistosomiasis using different immunoprecipitation techniques. Deelder AM, et al. **Z Parasitenkd** 47(2):111–8, 12 Sep 75

[Parasitological diagnosis of intestinal bilharziasis] Becquet R. **Ann Soc Belg Med Trop** 55(5):435–42, 1975 **(Fre)**

[Routine tests in urinary bilharziasis: apropos of 350 hospitalized patients] Pasticier A, et al. **Ann Soc Belg Med Trop** 55(5):389–93, 1975 **(Fre)**

[Importance of rectal mucosa biopsy for the diagnosis of urinary bilharziasis. Apropos of 313 examinations] Rousset JJ, et al. **Ann Soc Belg Med Trop** 55(5):395–401, 1975 **(Fre)**

[Serodiagnosis of bilharziasis by immunofluorescence of furcocercaria fixed on slides. Comparison with frozen sections of adult worms] Moreau JP, et al. **Bull Soc Pathol Exot** 67(6):632–44, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Scintigraphic image of the spleen in tropical and infectious diseases] Da Rocha AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:693–5, 1975 **(Fre)**

[Immunofluorescent serodiagnosis in amebiasis, hydatid cyst and bilharziasis. Successes, failures, incertitudes] Ambroise-Thomas P. **Maroc Med** 55(588):130–6, Mar 75 **(Fre)**

[Letter: Pseudotumoral pulmonary schistosomiasis due to Schistosoma mansoni] Akoun G, et al. **Nouv Presse Med** 4(33):2408, 11 Oct 75 **(Fre)**

[Study on histological sections of morphological modifications of Schistosoma mansoni ova. Value for the appreciation of the efficiency in antibilharasis treatments] Coulanges P, et al. **Nouv Presse Med** 5(28):1753–4, 28 Aug–4 Sep 76 **(Fre)**

[Unusual distribution of fluorescent marking during Schistosoma mansoni schistosomiasis (author's transl)] Niel G, et al. **Pathol Biol (Paris)** 24(4):277–82, Apr 76 (Eng. Abstr.) **(Fre)**

[Immunodiagnostic tests for bilharziasis. IV. Demonstration of antibody in blood and serum eluates collected on filter paper discs (author's transl)] Oelerich S, et al. **Tropenmed Parasitol** 26(4):431–4, Dec 75 (Eng. Abstr.) **(Ger)**

[Case of schistosomiasis] Mach G, et al. **Wiad Lek** 29(14):1285–7, 15 Jul 76 **(Pol)**

DRUG THERAPY

Acute and early chronic phases of schistosomiasis mansoni in children treated with hycanthone. Tonelli E, et al. **Acta Gastroenterol Latinoam** 6(3):125–36, Jul 75

Hycanthone dose-response in treatment of schistosomiasis mansoni in St. Lucia. Cook JA, et al. **Am J Trop Med Hyg** 25(4):602–7, Jul 76

Treatment of schistosomiasis mansoni and japonica in baboons with tubercidin given by direct intravenous injection. Jaffe JJ, et al. **Am J Trop Med Hyg** 24(5):835–42, Sep 75

The treatment of schistosomiasis mansoni in Murang'a District, Kenya: a double blind controlled trial of three hycanthone regimens and oxamniquine. Rees PH, et al. **Am J Trop Med Hyg** 24(5):823–6, Sep 75

Oxamniquine (UK–4271) in Schistosoma haematobium infections. McMahon JE. **Ann Trop Med Parasitol** 70(1):121–2, Mar 76

A review of the clinical pharmacology of hycanthone. Dennis EW, et al. **Egypt J Bilharz** 1(1):35–53, 1974 (22 ref.)

The effect of a second dose of hycanthone alone and with progesterone caproate on the cure rate and the side reactions of hycanthone in the treatment of S. haematobium infected cases. El-Abdin AZ, et al. **Egypt J Bilharz** 1(1):117–33, 1974

Preliminary report on some clinical and biochemical observations in patients treated with Bilharcid. Farid F, et al. **Egypt J Bilharz** 2(1):31–6, 1975

New aspects of the chemothrapy of bilharziasis with Ambilhar (Niridazole). Fontanilles F. **Egypt J Bilharz** 1(1):29–34, 1974

Therapeutic evaluation of hycanthone in school children in rural endemic area in Egypt. Mousa AH, et al. **Egypt J Bilharz** 1(1):65–83, 1974

Study on the efficiency of five antibilharzial drugs judged by she direct and serodiagnostic methods. Saif El-Din S, et al. **Egypt J Bilharz** 2(1):95–110, 1975

Antischistosomal and some toxicological properties of a nitrodiphenylaminoisothiocyanate (C 9333-Go/CGP 4540). Bueding E, et al. **Experientia** 32(5):604–6, 15 May 76

4-Isothiocyanato-4'-nitrodiphenylamine (C 9333-Go/CGP 4540), an anthelminthic with an unusual spectrum of activity against intestinal nematodes, filariae and schistosomes. Striebel HP. **Experientia** 32(4):457–8, 15 Apr 76

The treatment of schistosomiasis and some problems. pp. 31–43. Davis A. **In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.**

Treatment of intestinal bilharziasis with oral oxamniquine (a preliminary report). Koura M, et al. **J Egypt Med Assoc** 58(5–6):287–95, 1975

Long-term hepatocellular effects of hycanthone and of two other anti-Schistosomal drugs in mice infected with Schistosoma mansoni. Haese WH, et al. **J Pharmacol Exp Ther** 197(3):703–13, Jun 76

Long-term toxicity of antischistosomal drugs: summary and perspectives. **J Toxicol Environ Health** 1(2):335–51, Nov 75

Clinical evaluation of niridazole and hycanthone in schistosomiasis mansoni endemic areas. Katz N. **J Toxicol Environ Health** 1(2):203–9, Nov 75

Evaluation of schistosomicides against experimentally established Schistosoma mansoni infections in mice and hamsters. Yarinsky A. **J Toxicol Environ Health** 1(2):229–42, Nov 75

Reversibility of lesions in schistosomiasis: a brief review. Farid Z, et al. **J Trop Med Hyg** 79(7):164–6, Jul 76

Clinical treatment of schistosomiasis mansoni with a new schistosomicidal agent: hycanthone or etrenol. Sotomayor ZR, et al. **J Trop Med Hyg** 79(1):18–21, Jan 76

Further clinical trials with oxamniquine (UK 4271), a new anti-schistosomal agent. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 17(5):307–11, Sep-Oct 75

Further studies on the chemoprophylactic activity of pyrazinoquinolines in experimental schistosomiasis mansoni. Pellegrino J, et al. **Rev Inst Med Trop Sao Paulo** 18(3):149–51, May-Jun 76

A trial of oral oxamniquine in the treatment of Schistosoma infection in children. Axton JH, et al. **S Afr Med J** 50(27):1051–3, 26 Jun 76

Letter: Metrifonate in the treatment of urinary bilharziasis. Niemandt S, et al. **S Afr Med J** 49(45):1860, 25 Oct 75

Letter: Treatment of diffuse schistosomal polyposis of the colon with niridazole (Ambilhar). Bassily S, et al. **Trans R Soc Trop Med Hyg** 70(1):88, 1976

Letter: Clinical trials with oxamniquine in the treatment of human mansonian schistosomiasis. Caetano da Silva L, et al. **Trans R Soc Trop Med Hyg** 69(2):288–9, 1975

Letter: Oral dosing of antimonials against Schistosoma mansoni. Coles GC. **Trans R Soc Trop Med Hyg** 69(2):291, 1975

[Hycanthone in a single intramuscular dose. Therapeutic results obtained in subjects excreting S. mansoni eggs and treated at Kapolowe (region of the artificial lake of Lufira, Republic of Zaire)] Raccurt C, et al. **Bull Soc Pathol Exot** 67(4):425–35, Jul-Aug 74 (Eng. Abstr.) **(Fre)**

[Letter: Hemolytic anemia after antibilharzia treatment with niridazole in an Antillean with G6PD deficiency] Lapierre J, et al. **Nouv Presse Med** 5(3):147–8, 17 Jan 76 **(Fre)**

[Treatment of schistosomiasis of the urinary bladder with astiban] Aslamazov AG. **Med Parazitol (Mosk)** 44(2):160–5, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Chemotherapy of schistosomiasis in man (a review of the literature)] Iarotskiĭ LS. **Med Parazitol (Mosk)** 44(3):351–9, May–Jun 75 (118 ref.) (Eng. Abstr.) **(Rus)**

[Effectiveness of hexide and fuadine in oriental bilharziasis] Stepanov DF, et al. **Veterinariia** (9):69–70, Sep 74 **(Rus)**

ETIOLOGY

Renal involvement in patients with hepatosplenic Schistosomiasis mansoni. Rocha H, et al. **Am J Trop Med Hyg** 25(1):108–15, Jan 76

Schistosomiasis mansoni and japonicum in Microtus montanus. Ackerman SB, et al. **J Parasitol** 62(1):157–9, Feb 76

[The Tugela-Vaal state water scheme as a bilharzia risk] Pretorius SJ, et al. **S Afr Med J** 50(25):968–72, 12 Jun 76 (Eng. Abstr.) **(Afr)**

HISTORY

Schistosomiasis in antiquity. Adamson PB. **Med Hist** 20(2):176–88, Apr 76

IMMUNOLOGY

The immunology of schistosomiasis. Smithers SR, et al. **Adv Parasitol** 14:399–422, 1976 (105 ref.)

The Schistosoma japonicum egg granuloma. Warren KS, et al. **Am J Pathol** 80(2):279–93, Aug 75

Immunological studies in human schistosomiasis. I. Parasitic antigen in urine. Carlier Y, et al. **Am J Trop Med Hyg** 24(6 Pt 1):949–54, Nov 75

Schistosoma mansoni in baboons. III. The course and characteristics of infection, with additional observations on immunity. Damian RT, et al. **Am J Trop Med Hyg** 25(2):299–306, Mar 76

Schistosome antigens in the circulation of chimpanzees infected with Schistosoma japonicum. Hillyer GV. **Am J Trop Med Hyg** 25(3):432–6, May 76

Anti-liver antibody in rabbits infected with Schistosoma japonicum. Jones CE, et al. **Am J Trop Med Hyg** 25(4):613–6, Jul 76

Resistance to infection with Schistosoma mansoni after immunization with worm extracts or live cercariae: role of cytotoxic antibody in mice and guinea pigs. Murrell KD, et al. **Am J Trop Med Hyg** 24(6 Pt 1):955–62, Nov 75

A report of a conference on newer immunologic approaches to schistosomiasis. Waksman BH, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1037–9, Nov 75

Schistosomiasis mansoni: a granulomatous disease of cell-mediated immune etiology. Boros DL. **Ann NY Acad Sci** 278:36–46, 1976 (38 ref.)

Presence of the circulating polysaccharide antigen in the liver of mice infected with Schistosoma mansoni. Van Marck E. **Ann Soc Belg Med Trop** 55(4):373–7, 1975

Circulating antigens, antibodies, and immunoglobulins in the serum of humans with schistosomiasis mansoni. Hillyer GV, et al. **Bol Asoc Med PR** 68(6):128–32, Jun 76

Immunology of schistosomiasis. **Bull WHO** 51(6):553–95, 1974 (137 ref.)

The cellular and humoral immune response to Schistosoma mansoni infections in inbred rats. I. Mechanisms during initial exposure. Phillips M, et al. **Cell Immunol** 19(1):99–116, Sep 75

Schistosoma mansoni: reduction in clinical manifestations and in worm burdens conferred by serum and transfer factor from immune or normal rhesus monkeys. Maddison SE, et al. **Exp Parasitol** 39(1):29–39, Feb 76

Schistosoma japonicum: immunopathology of nephritis in Macaca fascicularis. Tada T, et al. **Exp Parasitol** 38(3):291–302, Dec 75

Immunologic consequences of schistosome infection. pp. 171–9. Colley DG. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.** (23 ref.)

Immunity to parasites (helminths and arthropods). pp. 127–35. Ogilvie BM. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.** (43 ref.)

Immune complexes in parasitic diseases. pp. 57–67. Lambert PH, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.**

Immunization experiments with various booster antigens after chemotherapeutic eradication of Schistosoma mansoni in white mice. pp. 145–57. Striebel HP, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Immunological reactions in rabbits experimentally infected with Schistosoma japonicum. pp. 159–64. Williams JS, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Suppressive effect of a chronic helminth infection, schistosomiasis mansoni, on the in vitro responses of spleen and lymph node cells to the T cell mitogens phytohemagglutinin and concanavalin A. Pelley RP, et al. **Infect Immun** 13(4):1176–83, Apr 76

The host antigen phenomenon in experimental murine schistosomiasis: the transfer of 3-week old Schistosoma mansoni between two inbred strains of mice. Boyer MH, et al. **Int J Parasitol** 6(3):235–8, Jun 76

Schistosoma mansoni: a comparison of mouse and rat worms with respect to host antigens detected by the technique of transfer into hamsters. Cioli D. **Int J Parasitol** 6(4):355–62, Aug 76

Adoptive suppression of granuloma formation. Colley DG. **J Exp Med** 143(3):696–700, 1 Mar 76

Antieosinophil serum and the kinetics of eosinophilia in Schistosomiasis mansoni. Mahmoud AA, et al.

J Exp Med 142(3):560–74, 1 Sep 75

A role for the eosinophil in acquired resistance to Schistosoma mansoni infection as determined by antieosinophil serum. Mahmoud AA, et al. **J Exp Med** 142(4):805–13, 1 Oct 75

The host antigen phenomenon in experimental murine schistosomiasis. II. Failure to demonstrate destruction of parasites transferred from hamsters to mice. Boyer MH, et al. **J Immunol** 116(4):1093–5, Apr 76

The course of Schistosoma mansoni infection in thymectomized rats. Cioli D, et al. **J Immunol** 117(1):59–65, Jul 76

Soluble antigens and antibodies in sera from baboons infected with Schistosoma mansoni. Houba V, et al. **J Immunol** 117(2):705–7, Aug 76

Survival of schistosomula (Schistosoma mansoni) transferred from hamsters to mice immunized against the donor host. Coelho PM, et al. **J Parasitol** 62(1):159–61, Feb 76

Immunoglobulins attached to and in the integument of adult Schistosoma mansoni Sambon 1907, from first infection of CF mice. Sogandares-Bernal F. **J Parasitol** 62(2):222–6, Apr 76

Mechanism of immunity of schistosomiasis: histopathologic study of lesions elicited in rhesus monkeys during immunizations and challenge with cercariae of Schistosoma japonicum. Hsü SY, et al. **J Reticuloendothel Soc** 18(3):167–85, Sep 75

Immunological response to tetanus toxoid during a schistosomal infection in mice. Brito IV, et al. **J Trop Med Hyg** 79(7):161–3, Jul 76

Immunopathology of schistosomiasis in athymic mice. Hsu CK, et al. **Nature** 262(5567):397–9, 29 Jul 76

Acquired resistance to infection with Schistosoma mansoni induced by Toxoplasma gondii. Mahmoud AA, et al. **Nature** 263(5572):56–7, 2 Sep 76

Spleen cells from Schistosoma mansoni-infected mice produce diffusible stimulator of eosinophilopoiesis in vivo. Miller AM, et al. **Nature** 262(5569):586–7, 12 Aug 76

Stimulation and suppression of response of mouse T cells to the schistosomules of Schistosoma mansoni during infection. Ramalho-Pinto FJ, et al. **Nature** 259(5544):603–4, 19 Feb 76

Serum antibody changes after chemotherapy of patients with schistosomiasis mansoni. A statistical analysis. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 17(6):344–9, Nov-Dec 75

Serum antibody changes after repeated chemotherapic series in 'parasitologically cured' patients with schistosomiasis mansoni. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 18(3):206–10, May-Jun 76

Detection of schistosomal antigen (S. mansoni) in human kidneys obtained at autopsy (preliminary report). Hoshino-shimizu S, et al. **Rev Inst Med Trop Sao Paulo** 17(6):394–7, Nov-Dec 75

Attempts to transfer immunity to Trichobilharzia ocellata (Trematoda: Schistosomatidae) passively via lymphoid cells and/or serum. Bourns TK, et al. **Trans R Soc Trop Med Hyg** 69(4):382–7, 1975

Renal lesions caused by immune complex deposition in schistosomiasis. Mahmoud AA, et al. **Trans R Soc Trop Med Hyg** 69(2):187–8, 1975

Proceedings: The isolation of specific antigens by affinity chromatography. Phillips TM, et al. **Trans R Soc Trop Med Hyg** 69(4):435–6, 1975

Are there stage-characteristic immunofluorescence patterns in schistosomiasis? van Helden HP, et al. **Trans R Soc Trop Med Hyg** 69(3):309–11, 1975

Passive transfer of immunity in human Schistosomiasis mansoni: effect of transfer factor on early established infections. Warren KS, et al. **Trans R Soc Trop Med Hyg** 69(5–6):488–93, 1975

[Proceedings: Parasitic antigens implicated in the production of IgE antibody] Bout D, et al. **Ann Immunol (Paris)** 126(3):353, Apr 75 **(Fre)**

[Proceedings: Soluble antigen-antibody complexes in human and experimental bilharziasis. Preliminary results] Bout D, et al. **Ann Immunol (Paris)** 126(3):354, Apr 75 **(Fre)**

[Intestinal bilharziasis in Guadelupa] Tribouley J, et al. **Bull Soc Pathol Exot** 68(2):180–93, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[The role of specific IgE antibodies in the immune adherence of normal macrophages to schistosomes of Schistosoma mansoni] Capron A, et al. **C R Acad Sci [D] (Paris)** 280(7):927–30, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Letter: Relationship between the presence of HBs antigen and helminthiasis] Colette J, et al. **Nouv Presse Med** 5(24):1540, 12 Jun 76 **(Fre)**

[Considerations on the immunology of bilharziasis due to Schistosoma mansoni. II] Ravazzoni L, et al. **Nuovi Ann Ig Microbiol** 26(2–3):167–74, Mar-Jun 75 (Eng. Abstr.) **(Ita)**

[Immune complex in schistosomiasis. I. Use of complement fixation test in its detection] Santoro F, et al. **Rev Inst Med Trop Sao Paulo** 18(3):152–6, May-Jun 76 (Eng. Abstr.) **(Por)**

METABOLISM

The fate and behaviour of antimonial drugs labelled with 124Sb in bilharzial subjects. Abdel-Wahab MF, et al. **Egypt J Bilharz** 1(1):107–15, 1974

Calcium and phosphorus metabolic changes in children with hepatic bilharziasis. Hafez M, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):243–52, Jul-Oct 75

The effect of potassium antimonyl tartrate on the gamma-aminobutyric acid and acetylcholine contents in the cerebral hemispheres of normal and Schistosoma mansoni infected mice. Samaan SS, et al. **J Pharm Pharmacol** 28(5):465–6, May 76

MICROBIOLOGY

Observations on Schistosoma mattheei Veglia and Le Roux, 1929 infections in man in Zambia. Hira PR. **Ann Soc Belg Med Trop** 55(6):633–42, 1975

Hepatitis B surface antigen carrier state in hepatosplenic schistosomiasis. Lyra LG, et al. **Gastroenterology** 71(4):641–5, Oct 76

OCCURRENCE

Letter: On screening for parasites. Meira AR. **Am J Public Health** 66(9):907, Sep 76

Morbidity in Schistosomiasis mansoni in relation to intensity of infection: study of a community in Machakos, Kenya. Arap Siongok TK, et al. **Am J Trop Med Hyg** 25(2):273–84, Mar 76

Studies on schistosomiasis in Saudi Arabia. Arfaa F. **Am J Trop Med Hyg** 25(2):295–8, Mar 76

Schistosomiasis in the Gorgol Valley of Mauritania. Jobin WR, et al. **Am J Trop Med Hyg** 25(4):587–94, Jul 76

The intensity and effects of infection with Schistosoma mansoni in a rural community in northeast Brazil. Lehman JS Jr, et al. **Am J Trop Med Hyg** 25(2):285–94, Mar 76

Epidemiology of bilharziasis in Iraq in 1972 with special reference to bilharziasis population studies. Baquir H. **Bull Endem Dis (Baghdad)** 16(1–2):71–81, 1975

Schistosomiasis in north-western Ghana. Lyons GR. **Bull WHO** 51(6):621–32, 1974

A short review of the epidemiology of schistosomiasis in Africa. Ayad N. **Egypt J Bilharz** 1(1):9–27, 1974 (3 ref.)

Present situation of schistosomiasis in the Libyan Arab Republic. I.Bilharziasis in Ubari District in Fezzan (Sebha Governorate. El-Gindy MS, et al. **Egypt J Bilharz** 2(1):117–30, 1975

Relationship between pure schistosoma haematobium infection in Upper Egypt and irrigation systems. Part III: Host characteristics. The prevalence of S. haematobium in relation to religon, occupation, and habits. Hammam HM, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):227–41, Jul-Oct 75

Relationship between pure Schistosoma haematobium infection in Upper Egypt and irrigation systems. Part II: Host characteristics. The general prevalence of Schistosoma haematobium, age and sex distribution. Hammam HM, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):215–26, Jul-Oct 75

Relationship between pure Schistosoma haematobium infection in Upper Egypt and irrigation systems. Part 1: methods of study. Hammam HM, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):201–13, Jul-Oct 75

The increasing impact of schistosomiasis in a changing global ecology. pp. 21–9. Weller TH. **In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.**

The recent history of parasitic disease in China: the case of schistosomiasis, some public health and economic aspects. Andreano RL. **Int J Health Serv** 6(1):53–68, 1976

A stochastic model for the analysis of age-specific prevalence curves in schistosomiasis. Holford TR, et al. **J Chronic Dis** 29(7):445–58, Jul 76

Schistosomiasis from a new locality in Thailand: a case report. Nidtayasudthi T, et al. **J Med Assoc Thai** 58(10):542–6, Oct 75

Infection with Schistosoma mansoni in the Gezire area of the Sudan. Omer AH, et al. **J Trop Med Hyg** 79(7):151–7, Jul 76

Bilharzia in industry—effect on productivity in a Kitwe foundry. Fine J. **Med J Zambia** 9(4):96–7, Aug-Sep 75

Snail intermediate hosts and the prevalence of schistosomiasis in Lusaka, Zambia. Hira PR. **Med J Zambia** 9(5):119–24, Oct-Nov 75

Estimation of annual incidence of schistosomiasis japonica among school children in the Philippines; Nosenas JS, et al. **Southeast Asian J Trop Med Public Health** 6(3):359–65, Sep 75

Effect of the Aswan High Dam on prevalence of schistosomiasis in Egypt. Malek EA. **Trop Geogr Med** 27(4):359–64, Dec 75

[Coprologic survey in Bilharzia infected children of the Adzope region (Ivory Coast)] Nozais JP, et al. **Bull Soc Pathol Exot** 68(1):73–9, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Epidemiological study of intestinal and urinary bilharziasis in the region of the artificial lake of Lufira. 5. Effects of helminthiasis on the health of subjects excreting eggs of Schistosoma mansoni] Raccurt C, et al. **Bull Soc Pathol Exot** 67(4):402–22, Jul-Aug 74 (Eng. Abstr.) **(Fre)**

[Bilharziasis in Martinique (author's transl)] Tribouley J, et al. **Bull Soc Pathol Exot** 68(4):398–407, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Multispecies schistosomal infections of the female genital tract detected in cytology smears. Berry A. **Acta Cytol (Baltimore)** 20(4):361–5, Jul-Aug 76

Relation of intensity of infection to disease in hamsters with acute schistosomiasis mansoni. Grove DI, et al. **Am J Trop Med Hyg** 25(4):608–12, Jul 76

Cutaneous schistosomiasis. El-Mofty AM, et al. **Egypt J Bilharz** 2(1):23–30, 1975

Species of schistosomes found in man in Egypt. Tadros G, et al. **Egypt J Bilharz** 1(1):141–52, 1974

Transfer of Schistosoma mansoni into the mesenteric veins of hamsters. Cioli D. **Int J Parasitol** 6(4):349–54, Aug 76

Studies on host-parasite relationships of Ilan strain of Schistosoma japonicum in animals. 2. Worm recovery rate. Chiu JK, et al. **Int J Zoonoses** 1(2):75–81, Dec 74

A comparative study of the death of schistosomula of Schistosoma haematobium and Schistosoma mansoni in the skin of mice and hamsters. Ghandour AM, et al. **J Helminthol** 50(1):39–43, Mar 76

A comparison of Sudanese and South African strains of Schistosoma haematobium. James C, et al. **J Helminthol** 49(3):191–7, Sep 75

Eye penetration by cercariae of Schistosoma mansoni. Lester RJ, et al. **J Parasitol** 61(5):970–2, Oct 75

Schistosomiasis at Loum, Cameroun; Schistosoma haematobium, S. intercalatum and their natural hybrid. Southgate VR, et al. **Z Parasitenkd** 49(2):145–59, 30 Apr 76

[Oestradiol does not modify the proportion between male and female S. mansoni worms in experimental infestation of the golden female hamster (author's transl)] Combescot C, et al. **Ann Parasitol Hum Comp** 50(5):629–33, Sep-Oct 75 (Eng. Abstr.) **(Fre)**

PATHOLOGY

A quantitative post mortem analysis of urinary schistosomiasis in Egypt. II. Evolution and epidemiology. Smith JH, et al. **Am J Trop Med Hyg** 24(5):806–22, Sep 75

Tissue degradation of calcific Schistosoma haematobium eggs. Smith JH, et al. **Am J Trop Med Hyg** 25(4):595–601, Jul 76

Solitary epididymal schistosomiasis. Honoré LH, et al. **Can J Surg** 18(5):479–83, Sep 75

Colorectal schistosomiasis: report of three cases. Moss CM, et al. **Dis Colon Rectum** 19(2):162–6, Mar 76

Some aspects of the surgical pathology of schistosomiasis in the Sudan. Malik MO, et al. **East Afr Med J** 52(4):184–95, Apr 75

Schistosomiasis as a worldwide problem: pathology. von Lichtenberg F. **J Toxicol Environ Health** 1(2):175–84, Nov 75 (16 ref.)

Observations on the left supraclavicular lymph nodes in portal hypertension. Aboul-Enein A. **Med Chir Dig** 4(3):145–7, 1975

Schistosomal pigment in human and murine infections with Schistosoma mansoni. Grimaud JA, et al. **Trans R Soc Trop Med Hyg** 70(1):73–7, 1976

Heptatic and rectal pathology in Schistosoma intercalatum infection. Van Wijk HB, et al. **Trop Geogr Med** 27(3):237–48, Sep 75

Bilharziasis of urinary bladder and ureter: comparative histopathologic study. Zahran MM, et al. **Urology** 8(1):73–9, Jul 76

Liver schistosomiasis and primary biliary cirrhosis. A clinico-pathological study. Berthoud S, et al. **Virchows Arch [Pathol Anat]** 364(3):285–96, 1974

Proceedings: Some aspects of the surgical pathology of schistosomiasis in the Sudan. El Hassan AM, et al. **West Afr J Pharmacol Drug Res** 2(1):97P–98P, Dec 74

PHYSIOPATHOLOGY

Physiological performance and work capacity of Sudanese cane cutters with Schistosoma mansoni infection. Collins KJ, et al. **Am J Trop Med Hyg** 25(3):410–21, May 76

Effect of B-blockers on the hepatic blood flow in bilharzial hepatosplenomegaly. Fayez MA, et al. **J Egypt Med Assoc** 58(1–2):13–9, 1975

Proceedings: The endocrine changes in hepatosplenic schistosomiasis. Ghareeb A. **West Afr J Pharmacol Drug Res** 2(1):96P–97P, Dec 74

Proceedings: Assessment of physical performance and lung function in Schistosoma mansoni infection. Mahmoud N, et al. **West Afr J Pharmacol Drug Res** 2(1):96P, Dec 74

[Electroencephalography of patients with schistosomiasis japonica—follow-up studies on patients with subjective symptoms after 6 years] Hayashi M, et al. **Clin Neurol (Tokyo)** 14(10):774–81, Oct 74 **(Jpn)**

PREVENTION & CONTROL

Immunizing efficacy of a Kenyan strain of Schistosoma mansoni in rhesus monkeys (Macaca mulatta). Damian RT, et al. **Am J Trop Med Hyg** 25(2):355–7, Mar 76

The focus of Bilharizia in Erbil. Al-Hossaini M. **Bull Endem Dis (Baghdad)** 16(1–2):27–32, 1975

Control of Schistosoma mansoni transmission by provision of domestic water supplies. A preliminary report of a study in St Lucia. Jordan P, et al. **Bull WHO** 52(1):9–20, 1975

Individual household water supplies as a control measure against Schistosoma mansoni. A study in rural St Lucia. Unrau GO. **Bull WHO** 52(1):1–8, 1975

The results of five years of snail control at Ahero Pilot Scheme, Kenya. Choudhry AW. **East Afr Med J** 52(10):573–7, Oct 75

Control of snail hosts of bilharziasis in Egypt. 2. Effect of

triphenyltin hydroxide (Du-Ter) on carbohydrate metabolism of the snails Biomphalaria alexandria and Bulinus tuncatus. Sharaf AA, et al. **Egypt J Bilharz** 2(1):37-47, 1975

Delay time models of population dynamics with application to schistosomiasis control. Lee KL, et al. **IEEE Trans Biomed Eng** 23(3):225-33, May 76

Towards the development of a live vaccine for schistosomias. pp. 165-73. Taylor MG. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Preliminary laboratory trials with oxamniquine as a prophylactic agent in schistosomiasis. Pellegrino J, et al. **Rev Inst Med Trop Sao Paulo** 18(2):97-101, Mar-Apr 76

Preventing schistosomiasis: a critical assessment of present policy. Sandbach FR. **Soc Sci Med** 9(10):517-27, Oct 75

[The effect of an inflammatory reaction induced either by BCG or a non-biodegradable irritant on the resistance to bilharziasis in mice] Courrier MR. **C R Acad Sci [D] (Paris)** 282(1):131-4, 5 Jan 76 (Eng. Abstr.) **(Fre)**

[Problems of schistosomiasis control in developing countries] Iapotskiĭ LS. **Sov Zdravookhr** (11):61-2, 1975 **(Rus)**

RADIOGRAPHY

Calcification of Schistosoma haematobium eggs: relation of radiologically demonstrable calcification to eggs in tissues and passage of eggs in urine. **Cent Afr J Med** 22(6):123, Jun 76

Percutaneous trans hepatic lymphography: evaluation in schistosomal hepatic fibrosis. Sadek AM, et al. **Lymphology** 9(2):47-52, Jun 76

Radiographic evaluation of patients with schistosomiasis. Phillips JF, et al. **Radiology** 114(1):31-7, Jan 75

Calcification of Schistosoma haematobium eggs: relation of radiologically demonstrable calcification to eggs in tissues and passage of eggs in urine. Cheever AW, et al. **Trans R Soc Trop Med Hyg** 69(4):410-4, 1975

[A rare case of bilharziasis] Farschidpour D. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):587-8, Dec 75 **(Ger)**

SURGERY

A surgical approach in the treatment of Schistosoma mansoni. Conkle DM, et al. **South Med J** 69(6):747-8, Jun 76

[Spleno-renal anastomosis: apropos of 500 cases. Special reference to schistosomic portal hypertension] Okumura M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):503-12, Nov-Dec 75 (Eng. Abstr.) **(Por)**

[Comparison of results of splenorenal anastomosis and splenectomy in the treatment of schistosomal portal hypertension. Mortality and incidence of gastroesophageal hemorrhage] Shiroma M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):151-60, May-June 76 (Eng. Abstr.) **(Por)**

THERAPY

Treatment of urinary bilharziasis. Wagenknecht LV. **Bull Soc Int Chir** 34(2):131-5, 1975

TRANSMISSION

The transmission of intestinal schistosomiasis in Begemder Province, Ethiopia. Polderman AM. **Acta Leiden** 42:1-193, 1975

The use of serology by titering of fluorescent antibodies to evaluate levels of transmission of schistosomiasis in Rhodesia. Shiff CJ, et al. **Am J Trop Med Hyg** 25(3):427-31, May 76

Control of snail hosts of bilharziasis in Egypt. 3. Effect of the organophosphorous insecticide, dursban, on carbohydrate metabolism of the snails Biomphalaria alexandria and Bulinus truncatus. Sharaf AA, et al. **Egypt J Bilharz** 2(1):49-61, 1975

Monograph on 'Lithoglyphopsis' aperta, the snail host of Mekong River schistosomiasis. Davis GM, et al. **Malacologia** 15(2):241-87, 1976

Distribution of Oncomelania hupensis in the Napu Valley of Central Sulawesi, Indonesia. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 6(2):211-8, Jun 75

Mekong schistosomiasis. 4. A parasitological survey of wild rodents, domestic pigs and cattle on Khong Island, Laos. Kitikoon V, et al. **Southeast Asian J Trop Med Public Health** 6(2):223-9, Jun 75

Letter: Introduction of Schistosoma leiperi Le Roux 1955 and Schistosoma margrebowiei Le Roux 1933 to the laboratory. Pitchford RJ. **Trans R Soc Trop Med Hyg** 69(3):362, 1975

Letter: Pachydrobia bavayi and Mekong schistosomiasis. Schneider CR, et al. **Trans R Soc Trop Med Hyg** 70(2):169-70, 1976

[Rats and bilharziasis in Guadeloupe] Combes C, et al. **Acta Trop (Basel)** 32(4):304-8, 1975 (Eng. Abstr.) **(Fre)**

[The role of the rat in the dynamics of endemic schistosomias in Guadeloupe] Combes C, et al. **C R Acad Sci [D] (Paris)** 281(14):1059-61, 6 Oct 75 (Eng. Abstr.) **(Fre)**

URINE

Significance of abnormalities in urinary neutral mucopolysaccharides in bilharziasis. Khafagy EZ, et al. **Egypt J Bilharz** 2(1):111-6, 1975

VETERINARY

A new approach to the study of immunity to schistosomes. Hillyer GV, et al. **Bol Asoc Med PR** 67(12):381-5, Dec 75

Effect of sub-lethal doses of molluscicides on the susceptibility of Bulinus truncatus snails to infection with Schistosoma haematobium. Roushdy MZ. et al. **Egypt J Bilharz** 1(1):85-90, 1974

Preliminary studies on albumin metabolism in Ethiopian sheep infected with Schistosoma bovis. pp. 115-20. Holmes PH, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Mechanisms involved in ovine schistosomal anaemia. pp. 121-6. Preston JM, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Pulmonary schistosomiasis in sheep and goats due to Schistosoma indicum in India. Sharma DN, et al. **J Comp Pathol** 86(3):449-54, Jul 76

Immunisation of sheep against Schistosoma mattheei using either irradiated cercariae or irradiated schistosomula. Taylor MG, et al. **J Helminthol** 50(1):1-9, Mar 76

Experimental schistosomiasis haematobia in bushbaby (Galago crassicaudatus), Patas (Erythrocebus patas), and Grivet (Cercopithecus aethiops). Kuntz RE, et al. **J Med Primatol** 4(3):154-64, 1975

A natural case of Schistosoma mansoni in the chimpanzee (Pan troglodytes versus). Renquist DM, et al. **Lab Anim Sci** 25(6):763-8, Dec 75

Studies on schistosomiasis. 7. A comparison of various methods for the infestation of sheep with Schistosoma mattheei. Van Wyk JA, et al. **Onderstepoort J Vet Res** 42(2):71-4, Jun 75

An apparatus for the restraint of sheep during infestation with schistosomes. Van Wyk JA. **Onderstepoort J Vet Res** 42(2):75-6, Jun 75

The intermediate hosts of Schistosoma bovis in Western Kenya. Southgate VR, et al. **Trans R Soc Trop Med Hyg** 69(3):356-7, 1975

Susceptibility of desert sheep to infection with Schistosoma mansoni of Northern Sudan. Adam SE, et al. **Vet Pathol** 13(3):211-5, 1976

[Rat and bilharziasis in Guadeloupe. New data (author's transl)] Nassi H, et al. **Ann Parasitol Hum Comp** 50(6):731-3, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

SCHISTOSOMICIDES

ADVERSE EFFECTS

Drugs safety and clinical trials. pp. 219-24. Laurence DR. **In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.**

Long-term hepatocellular effects of hycanthone and of two other anti-Schistosomal drugs in mice infected with Schistosoma mansoni. Haese WH, et al. **J Pharmacol Exp Ther** 197(3):703-13, Jun 76

ANALYSIS

Micro-and submicro-scale iodimetric determination of antimony (III) in antibilharzial compounds by use of amplification reactions. Gawargious YA, et al. **Analyst** 101(1203):458-62, Jun 76

CHEMICAL SYNTHESIS

[Latency of chemotherapeutical agents. IV. Synthesis of organic salts of 1,4-naphthylenediamine] Korolkovas A, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(1):1-19, Jan-Jun 74 (Eng. Abstr.) **(Por)**

[Latency of chemotherapeutical agents. V. Synthesis of organic salts of tris (p-aminopheny) carbonium] Korolkovas A, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(1):21-35, Jan-Jun 74 (Eng. Abstr.) **(Por)**

PHARMACODYNAMICS

A correlation between certain active trivalent antimony organic compounds and their structure as schistosomicidals. Abdulla WA, et al. **Egypt J Bilharz** 2(1):63-81, 1975

Study on the efficiency of five antibilharzial drugs judged by she direct and serodiagnostic methods. Saif El-Din S, et al. **Egypt J Bilharz** 2(1):95-110, 1975

Control of snail hosts of bilharziasis in Egypt. 2. Effect of triphenyltin hydroxide (Du-Ter) on carbohydrate metabolism of the snails Biomphalaria alexandria and Bulinus tuncatus. Sharaf AA, et al. **Egypt J Bilharz** 2(1):37-47, 1975

The response of Schistosoma mansoni maintained in vitro to schistosomicidal compounds. Coles GC. **J Helminthol** 49(3):205-9, Sep 75

Dissociation of mutagenic and other toxic properties from schistosomicides. Bueding E. **J Toxicol Environ Health** 1(2):329-34, Nov 75

Genetic activity spectra of some antischistosomal compounds, with particular emphasis on thioxanthenones and benzothiopyranoindazoles. Hartman PE, et al. **J Toxicol Environ Health** 1(2):243-70, Nov 75 (136 ref.)

Transformation of cell cultures as a parameter for detecting the potential carcinogenicity of antischistosomal drugs. Hetrick FM, et al. **J Toxicol Environ Health** 1(2):323-7, Nov 75

Mutagenic evaluation of antischistosomal drugs and their derivatives in Neurospora crassa. Ong T, et al. **J Toxicol Environ Health** 1(2):271-9, Nov 75

Mutagenicity testing of antischistosomal thioxanthenones and indazoles on yeast. von Borstel RC, et al. **J Toxicol Environ Health** 1(2):281-91, Nov 75

Proceedings: Metabolic activities and chemotherapy in Schistosomiasis mansoni. Magzoub M. **West Afr J Pharmacol Drug Res** 2(1):97P, Dec 74

THERAPEUTIC USE

Clinical and epidemiological factors in the chemotherapy of filarial infections. pp. 49-65. Buck AA. **In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.**

The treatment of schistosomiasis and some problems. pp. 31-43. Davis A. **In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.**

Long-term toxicity of antischistosomal drugs: summary and perspectives. **J Toxicol Environ Health** 1(2):335-51, Nov 75

Clinically available antischistosomal drugs. Davis A. **J Toxicol Environ Health** 1(2):191-201, Nov 75

Evaluation of schistosomicides against experimentally established Schistosoma mansoni infections in mice and hamsters. Yarinsky A. **J Toxicol Environ Health** 1(2):229-42, Nov 75

Further clinical trials with oxamniquine (UK 4271), a new anti-schistosomal agent. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 17(5):307-11, Sep-Oct 75

[Treatment of schistosomiasis of the urinary bladder with astiban] Aslamazov AG. **Med Parazitol (Mosk)** 44(2):160-5, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Chemotherapy of schistosomiasis in man (a review of the literature)] Iarotskiĭ LS. **Med Parazitol (Mosk)** 44(3):351-9, May-Jun 75 (118 ref.) (Eng. Abstr.) **(Rus)**

[Effectiveness of hexide and fuadine in oriental bilharziasis] Stepanov DF, et al. **Veterinariia** (9):69-70, Sep 74 **(Rus)**

SCHIZOID PERSONALITY

Psychological alienation: isolation and self-estrangement. Johnson F. **Psychoanal Rev** 62(3):369-405, Fall 75

Use of reinforcement to produce loose construing: differential effects for schizotypic and nonschizotypic normals. Higgins K, et al. **Psychol Rep** 38(3 pt. 1):799-806, Jun 76

[Letter: The painter and graphic artist Edvard Munch--a pathographic outline] Munch E, et al. **Ugeskr Laeger** 137(48):2840-1, 24 Nov 75 **(Dan)**

DIAGNOSIS

[Pubertal decompensation in the clinical picture of schizoid psychopathy] Dubnitskiĭ LB. **Zh Nevropatol Psikhiatr** 76(5):723-30, 1976 (Eng. Abstr.) **(Rus)**

[Uniqueness of certain structural personality prerequisites in schizophrenia] Kontridze FM, et al. **Zh Nevropatol Psikhiatr** 75(9):1365-8, 1975 (Eng. Abstr.) **(Rus)**

[Some characteristics of the premordid condition in patients with juvenile, malignantly progressing schizophrenia] Pekunova LG. **Zh Nevropatol Psikhiatr** 74(3):433-9, 1974 (Eng. Abstr.) **(Rus)**

ETIOLOGY

On the organic nature of some forms of schizoid or autistic psychopathy. Mnukhin SS, et al. **J Autism Child Schizo** 5(2):99-108, Jun 75

FAMILIAL & GENETIC

Schizophrenia and the schizoid: the problem for genetic analysis. Shields J, et al. **Proc Am Psychopathol Assoc** (63):168-97, 1975

[Developmental features of the children of schizophrenic parents] Butorina NE. **Zh Nevropatol Psikhiatr** 75(10):1506-11, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Blood rheology in patients with depressive and schizoid anxiety. Dintenfass L, et al. **Biorheology** 13(1):33-6, Feb 76

THERAPY

Distinction in a sample of prominent psychotherapists. Geller JD, et al. **J Consult Clin Psychol** 44(1):77-82, Feb 76

SCHIZOMYCETES see under **BACTERIA**

SCHIZOPHRENIA

Long-term follow-up of schizophrenic patients in Edinburgh. Affleck JW, et al. **Acta Psychiatr Scand**

53(3):227–37, Mar 76

Aging of schizophrenic patients as seen through the Rorschach test. Müller C, et al. **Acta Psychiatr Scand** 53(3):161–7, Mar 76

A hospital population of schizophrenic patients undergoing change. Nystrup J. **Acta Psychiatr Scand** 53(3):211–26, Mar 76

A ten-year follow-up of children of schizophrenic mothers. Clinical assessment. Schulsinger H. **Acta Psychiatr Scand** 53(5):371–86, May 76

Current concepts of schizophrenia. Introduction. Wyatt RJ. **Am J Psychiatry** 133(2):171–2, Feb 76

Appropriate and background affect in facial displays of emotion. Comparison of normal and schizophrenic males. Gottheil E, et al. **Arch Gen Psychiatry** 33(5):565–8, May 76

REM phase deprivation and schizophrenia II. Zarcone V, et al. **Arch Gen Psychiatry** 32(11):1431–6, Nov 75

Letter: The power of a test for seasonality of birth with reference to schizophrenia. James WH. **Br J Psychiatry** 129:94–5, Jul 76

The accuracy and correlates of psychiatric patients' self-assessment of their work behaviour. Griffiths RD. **Br J Soc Clin Psychol** 14(2):181–9, Jun 75

Periodicity of recurrence of 'phasic type' of schizophrenia. Takahashi S, et al. **Folia Psychiatr Neurol Jpn** 29(2):111–22, 1975

A new label, dysdreemia, is proposed for an old disorder, schizophrenia. Walker R. **Hosp Community Psychiatry** 27(4):283–4, Apr 76

The nature of the schizophrenic psychoses. pp. 185–8. Richter D.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Culture and schizophrenia. pp. 99–124. Jablensky A, et al.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Rehospitalization of schizophrenics as a function of intelligence. Heffner PA, et al. **J Abnorm Psychol** 84(6):735–6, Dec 75

Community nursing care study: a social outcast. Hartie M. **Nurs Times** 72(36):1392–4, 9 Sep 76

Handedness in schizophrenia. Wahl OF. **Percept Mot Skills** 42(3):944–6, Jun 76

Hypothesis: A biological model of schizophrenia. Karlov VI. **Proc Aust Assoc Neurol** 11:97–101, 1974

The 1972 NIMH mission to assess schizophrenic research in the U.S.S.R. Brown BS, et al. **Schizophrenia Bull** (9):148–53, Summer 74

On teaching about research in schizophrenia. Carpenter MD. **Schizophrenia Bull** 2(1):5–9, 1976

Special report: Schizophrenia, 1974. Gunderson JG, et al. **Schizophrenia Bull** (9):16–54, Summer 74 (111 ref.)

Teaching about schizophrenia. Rieder RO. **Schizophrenia Bull** (9):5–9, Summer 74

[Modern concepts of schizophrenia] Verbeek E. **Ned Tijdschr Geneeskd** 120(5):198–203, 31 Jan 76 **(Dut)**

[Methodological problems posed by childhood, schizophrenia and the concept of schizophrenia in USSR] Seabra-Dinis T. **Rev Neuropsychiatr Infant** 23(12):843–53, Dec 75 **(Fre)**

[The pre-morbid personality of schizophrenics in the literature of the last hundred years (author's transl)] Fritsch W. **Fortschr Neurol Psychiatr** 44(6):323–72, Jun 76 (Eng. Abstr.) **(Ger)**

[Schizophrenia as an intermediate event] Kimura B. **Nervenarzt** 46(8):434–9, Aug 75 **(Ger)**

[Letter: Critical comments on the paper by Th. Vogel and J. Vliegen: The social consequences of schizophrenia' (this J., 46, 569–575 (1975)] Müller P. **Nervenarzt** 47(8):526, Aug 76 **(Ger)**

[Social consequences of schizophrenia] Vogel T, et al. **Nervenarzt** 46(10):569–75, Oct 75 **(Ger)**

Erwiderung auf die methodenkritische Diskussionsbemerkung von P. Müller zu unserer Arbeit: 'Soziale Auswirkungen der Schizophrenie'V 565–575 (1976)] Vogel Th, et al. **Nervenarzt** 47(8):527, Aug 76 **(Ger)**

[Changes of the subjects in fantasy of schizophrenic patients – a study of medical records of Matsuzawa Hospital covering the Meiji, Taisho and Showa eras] Fujimori H. **Psychiatr Neurol Jpn** 77(6):409–16, 25 Jun 75 **(Jpn)**

[Body constitution, composition and androgen excretion in schizophrenics] Koppen A. **Vestn Akad Med Nauk SSSR** (9):60–4, 1975 (Eng. Abstr.) **(Rus)**

[Agonal remission in the terminal stages of schizophrenia] Turetskaia BE, et al. **Zh Nevropatol Psikhiatr** 75(4):559–62, 1975 (Eng. Abstr.) **(Rus)**

[The being ill of the schizophrenic approached from existential analysis] Boss M. **Acta Psiquiatr Psicol Am Lat** 21(1):6–23, Mar 75 (Eng. Abstr.) **(Spa)**

[The schizophrenic in the family] González Duro E. **Arch Neurobiol (Madr)** 39(2):105–20, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

BLOOD

Effect of ADP on PGE1 formation in blood platelets from patients with depression, mania and schizophrenia. Abdulla YH, et al. **Br J Psychiatry** 127:591–5, Dec 75

Serum copper in schizophrenia in Nigerians. Olatunbosun DA, et al. **Br J Psychiatry** 127:119–21, Aug 75

Psychotropic drugs and gender as modifiers of the role of plasma tryptophan and serotonin in schizophrenia. Lovett Doust JW, et al. **Compr Psychiatry** 16(4):349–55, Jul–Aug 75

Proteins in blood and cerebrospinal fluid in schizophrenic patients. A preliminary report. pp. 205–7. Bock E, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Pharmacokinetics of oral tryptophan in drug-free psychiatric patients. pp. 117–26. Domino EF.
In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.

Serum prolactin levels in schizophrenia—effect of antipsychotic drugs: a preliminary report. pp. 177–91. Meltzer HY, et al.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975. (55 ref.)

ABO blood group system in schizophrenia. Turgman J, et al. **Isr J Med Sci** 11(5):491–2, May 75

A comparative study of serum calcium and magnesium in cases of endogenous depression, reactive depression schizophrenia and conversion reaction. Hakim AH, et al. **J Assoc Physicians India** 23(8):513–7, Aug 75

Chlorpromazine metabolism VIII: blood levels of chlorpromazine and its sulfoxide in schizophrenic patients. Kaul PN, et al. **J Pharm Sci** 65(5):694–7, May 76

Letter: Blood-levels of S-adenosylmethionine in schizophrenia. Andreoli VM, et al. **Lancet** 2(7941):922, 8 Nov 75

Serum magnesium levels in nonacute schizophrenia. Daly RM, et al. **NY State J Med** 76(2):188–9, Feb 76

Correlation between plasma levels of prolactin and chlorpromazine in psychiatric patients. Kolakowska T, et al. **Psychol Med** 5(2):214–6, May 75

Clinical significance of plasma chlorpromazine levels. II. Plasma levels of the drug, some of its metabolites and prolactin in patients receiving long-term phenothiazine treatment. Kolakowska T, et al. **Psychopharmacol Bull** 49(1):101–7, 26 Aug 76

Assay of 7-hydroxychlorpromazine, and failure to detect more than small quantities, in plasma of responding schizophrenics. Curry SH, et al. **Psychopharmacol Commun** 1(5):481–90, 1975

Dimethyltryptamine levels in blood of schizophrenic patients and control subjects. Angrist B, et al. **Psychopharmacologia** 47(1):29–32, 5 May 76

Clinical laboratory test standards for a sample of schizophrenics. McGlashan TH, et al. **Psychopharmacologia** 44(3):281–5, 21 Nov 75

Comparison of 3,4-dimethoxyphenylethylamine treated plasma from chronic schizophrenics and controls. Bergen JR, et al. **Res Commun Chem Pathol Pharmacol** 10(2):331–5, Feb 75

Plasma proteins in schizophrenia: a review. Durell J, et al. **Schizophrenia Bull** 2(1):147–59, 1976 (104 ref.)

Relation between erythrocyte and plasma lithium concentrations as an index in psychiatric disease. Lyttkens L, et al. **Ups J Med Sci** 81(2):123–8, 1976

[Study of free and total tryptophan in the plasma. It value in psychiatry] Deniker P, et al. **Encephale** 2(2):123–32, 1976 (Eng. Abstr.) **(Fre)**

[Investigations of fasting blood glucose in endogenous depressive, schizophrenic, and neurotic patients (author's transl)] Diebold K. **Arch Psychiatr Nervenkr** 221(4):313–20, 22 Jun 76 (Eng. Abstr.) **(Ger)**

[Behavior of lipids in schizophrenics] Prończuk M, et al. **Pol Tyg Lek** 30(34):1389–91, 25 AUG 75 (Eng. Abstr.) **(Pol)**

[Effect of blood serum from schizophrenic patients and from normal donors on DNA synthesis in lymphocytes] Babaian NG, et al. **Biull Eksp Biol Med** 81(4):430–2, 1976 (Eng. Abstr.) **(Rus)**

[Quantitative electron-microscopic analysis of the lymphocyte population in the peripheral blood of schizophrenic patients] Bonartsev PD. **Zh Nevropatol Psikhiatr** 76(7):1061–7, 1976 (Eng. Abstr.) **(Rus)**

[Normalizing effect of lithium on the metabolism of brain mitochondria disordered by the action of the blood serum from schizophrenia patients] Gulidova GP, et al. **Zh Nevropatol Psikhiatr** 74(3):398–405, 1974 (Eng. Abstr.) **(Rus)**

[The effect of schizophrenic patients serum on the activity of several leukocyte enzymes] Idrisov IM. **Zh Nevropatol Psikhiatr** 76(3):431–6, 1976 (Eng. Abstr.) **(Rus)**

[The functional state of cultured peripheral blood lymphocytes from schizophrenic patients] Lideman RR. **Zh Nevropatol Psikhiatr** 16(1):81–5, 1976 (Eng. Abstr.) **(Rus)**

[Study of the damaging membranotropic action of the blood serum of schizophrenia patients in in vitro experiments] Mishchenko BP, et al. **Zh Nevropatol Psikhiatr** 74(3):391–6, 1974 (Eng. Abstr.) **(Rus)**

[Toxicity of a dimethoxyphenylethylamine incubate with the blood plasma of schizophrenia patients] Morozov LT. **Zh Nevropatol Psikhiatr** 74(3):396–8, 1974 (Eng. Abstr.) **(Rus)**

[An increase in the quantity of adhesive lymphocytes in the peripheral blood of schizophrenic patients] Prilipko IL, et al. **Zh Nevropatol Psikhiatr** 16(1):86–8, 1976 (Eng. Abstr.) **(Rus)**

[Determination of the content of DNA synthesizing lymphocytes in PHA stimulated blood cultures form schizophrenic patients] Sekoian RV. **Zh Nevropatol Psikhiatr** 75(6):885–8, 1975 (Eng. Abstr.) **(Rus)**

[The neurotropic and autoimmune activity of the serum of patients with psychoses of old age and patients with schizophrenia] Solntseva EI, et al. **Zh Nevropatol Psikhiatr** 75(8):1228–31, 1975 (Eng. Abstr.) **(Rus)**

[Change in neuronal responses to serotonin under the influence of schizophrenic patients serum] Solntseva EI, et al. **Zh Nevropatol Psikhiatr** 76(5):714–7, 1976 (Eng. Abstr.) **(Rus)**

[Neurotropic activity of the gamma-globulin fraction in the serum of schizophrenic patients] Solntseva EI, et al. **Zh Nevropatol Psikhiatr** 76(7):1067–70, 1976 (Eng. Abstr.) **(Rus)**

[Peripheral blood lymphocyte metabolism in schizophrenic patients] Vereschagina GV, et al. **Zh Nevropatol Psikhiatr** 75(6):885–8, 1975 (Eng. Abstr.) **(Rus)**

[Ceruloplasmine in schizophrenic and in epileptic patients (author's transl)] Mora F, et al. **Rev Esp Fisiol** 32(1):37–9, Mar 76 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Mass fragmentometric determination of homovanillic acid in lumbar cerebrospinal fluid of schizophrenic patients during treatment with antipsychotic drugs. pp. 75–80. Sedvall G, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

An examination of baseline and drug-induced levels of cyclic nucleotides in the cerebrospinal fluid of control and psychiatric patients. Smith CC, et al. **Life Sci** 19(1):131–6, 1 Jul 76

Cerebrospinal fluid amine metabolites in affective illness and schizophrenia: clinical and pharmacological studies. Goodwin FK, et al. **Psychopharmacol Commun** 1(6):641–53, 1975

CHEMICALLY INDUCED

The psychedelic model of schizophrenia: the case of N,N-dimethyltryptamine. Gillin JC, et al. **Am J Psychiatry** 133(2):203–8, Feb 76

The relationship of the amphetamine model psychosis to schizophrenia. pp. 189–203. Ellinwood EH Jr, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Does phenylethylamine cause schizophrenia? Sandler M, et al. **Lancet** 1(7950):70–1, 10 Jan 76

Letter: Correct use of thyroxine. Roberts JA. **Med J Aust** 2(16):650, 18 Oct 75

Wheat gluten as a pathogenic factor in schizophrenia. Singh MM, et al. **Science** 191(4225):401–2, 30 Jan 76

CLASSIFICATION

Letter: Bridging the gap. Parada AP. **Am J Psychiatry** 132(11):1225, Nov 75

Classification and prognostic aspects of schizophrenia. Astrup C. **Neuropsychobiology** 1(1):32–40, 1975 (33 ref.)

[Against the concept of a uniform schizophrenia] Leonhard. **Psychiatr Neurol Med Psychol (Leipz)** 27(2):65–79, Feb 75 (Eng. Abstr.) **(Ger)**

[Schizoaffective psychosis and the lithium therapy of patients suffering from schizoaffective schizophrenia] Baastrup PC. **Zh Nevropatol Psikhiatr** 75(9):1406–8, 1975 (Eng. Abstr.) **(Rus)**

[Place of the clinic in studying the nature of schizophrenia] Snezhnevskii AV. **Zh Nevropatol Psikhiatr** 75(9):1340–5, 1975 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

An investigation of the postpsychotic depressive syndrome. McGlashan TH, et al. **Am J Psychiatry** 133(1):14–9, Jan 76

Postpsychotic depression in schizophrenia. McGlashan TH, et al. **Arch Gen Psychiatry** 33(2):231–9, Feb 76 (62 ref.)

Self-enucleation and psychosis. Report of two cases and discussion. MacLean G, et al. **Arch Gen Psychiatry** 33(2):242–9, Feb 76 (Eng. Abstr.)

Dental anomalies in mental patients. Moraes N, et al. **Bull Pan Am Health Organ** 9(4):325–8, 1975

Self-induced water intoxication in a schizophrenic patient. Rae J. **Can Med Assoc J** 114(5):438–9, 6 Mar 76

Somatic symptoms in schizophrenia. Varsamis J, et al. **Can Psychiatr Assoc J** 21(1):1–6, Feb 76

A case of Déjerine-Sottas disease with schizophrenic symptoms. A clinical and pathological study. Nakao T, et al. **Folia Psychiatr Neurol Jpn** 29(1):13–24, 1975

Scales for physical and social anhedonia. Chapman LJ, et al. **J Abnorm Psychol** 85(4):374–82, Aug 76

An activity-withdrawal distinction in schizophrenia: behavioral, clinical, brain damage, and neurophysiological

correlates. Depue RA. **J Abnorm Psychol** 85(2):174–85, Apr 76

Alcoholism and schizophrenia: the search for perspectives. A review. Freed EX. **J Stud Alcohol** 36(7):853–81, Jul 75

Letter: Sympathomimetics and schizophrenia. Hansell N. **JAMA** 234(12):1220, 22 Dec 75

The course of treatment in schizophrenia in relation to the presence of affective disturbances. Jaroszyński J, et al. **Pol Med Sci Hist Bull** 15(4):479–85, Jul–Aug 75

Auditory signal detectability and facilitation of simple reaction time in psychiatric patients and non-patients. Bruder GE, et al. **Psychol Med** 5(3):260–72, Aug 75

Cognitive differentiation between paranoid and nonparanoid schizophrenics. Ross MB, et al. **Psychol Rep** 38(3 pt. 1):991–4, Jun 76

Somatic profiles in chronic schizophrenia. Howard JS 3d. **Psychosomatics** 17(1):26–31, 1976

Depression and the acute schizophrenic process. Rada RT, et al. **Psychosomatics** 16(3):116–9, 1975

The sleep of psychotic patients: does it all look alike? Kupfer DJ, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:143–64, 1975

Neuromuscular dysfunction in schizophrenia. Meltzer HY. **Schizophrenia Bull** 2(1):106–35, 1976 (148 ref.)

[Heat stroke] Kassis V. **Ugeskr Laeger** 138(31):1869–70, 26 Jul 76 (Eng. Abstr.) **(Dan)**

[Huntington's chorea in a schizophrenic patient] Dumaine A, et al. **Ann Med Psychol (Paris)** 1(2):268–71, FEB 75 **(Fre)**

[Post-schizophrenic depression] Fadda S, et al. **Ann Med Psychol (Paris)** 2(1):65–71, Jun 75 (Eng. Abstr.) **(Fre)**

[Gastric ulcers, stress and schizophrenia. Incidence of gastric ulcers in male schizophrenic patients (author's transl)] Hinterhuber H, et al. **Arch Psychiatr Nervenkr** 220(4):335–45, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[The headache, an initial symptom of schizophrenic diseases] Hinterhuber H. **Munch Med Wochenschr** 117(38):1521–2, 19 Sep 75 **(Ger)**

[Symptomatic schizophrenia in disseminated lupus erythematosus] Foerster K, et al. **Nervenarzt** 47(4):265–7, Apr 76 **(Ger)**

[Fluctuations in the memory capacity of patients with schizophrenia and traumatic psychoses] Aminev GA, et al. **Zh Nevropatol Psikhiatr** 75(6):888–91, 1975 (Eng. Abstr.) **(Rus)**

[Clinico-psychopathologic correlations of depressive and maniacal states in adolescents with schizophrenia and predominantly phasic affective disorders] Iovchuk NM. **Zh Nevropatol Psikhiatr** 75(10):1519–24, 1975 (Eng. Abstr.) **(Rus)**

[The syndrome of anorexia nervosa in schizophrenia] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 75(12):1870–4, 1975 (Eng. Abstr.) **(Rus)**

[Senile amyloidosis in schizophrenia] Oĭfa AI. **Zh Nevropatol Psikhiatr** 16(1):89–95, 1976 (Eng. Abstr.) **(Rus)**

[Symptomatology of speech disorders in schizophrenia in the light of modern research. II] Rogovin MS. **Zh Nevropatol Psikhiatr** 74(1):141–6, 1974 **(Rus)**

[Comparative socio-demographic characteristics of schizophrenic patients committing socially dangerous acts] Shumakov VM, et al. **Zh Nevropatol Psikhiatr** 75(11):1691–5, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

False positive adolescent MMPI profiles. Chase TV, et al. **Adolescence** 10(40):507–19, Winter 75

Current diagnostic concepts in schizophrenia. Carpenter WT Jr. **Am J Psychiatry** 133(2):172–7, Feb 76

Borderline and schizophrenic patients: A comparative study. Gunderson JG, et al. **Am J Psychiatry** 132(12):1257–64, Dec 75

A critique of the St. Louis psychiatric research criteria for schizophrenia. Taylor MA, et al. **Am J Psychiatry** 132(12):1276–80, Dec 75

Drug-induced psychoses ... or schizophrenia? Abruzzi W. **Am J Psychoanal** 35(4):329–42, Winter 75

Prognosis in schizophrenia. A ten-year follow-up of first admissions. Bland RC, et al. **Arch Gen Psychiatry** 33(8):949–54, Aug 76

Another view of schizophrenia subtypes. A report from the international pilot study of schizophrenia. Carpenter WT Jr, et al. **Arch Gen Psychiatry** 33(4):508–16, Apr 76

Methylphenidate, dextroamphetamine, and levamfetamine. Effects on schizophrenic symptoms. Janowsky DS, et al. **Arch Gen Psychiatry** 33(3):304–8, Mar 76

Reactive psychoses and schizophrenia with good prognosis. McCabe MS. **Arch Gen Psychiatry** 33(5):571–6, May 76

Neurologic soft signs in schizophrenia and character disorders. Organicity in schizophrenia with premorbid asociality and emotionally unstable character disorders. Quitkin F, et al. **Arch Gen Psychiatry** 33(7):845–53, Jul 76

Variability in schizophrenia. Reflection of a regulatory disease. van der Velde CD. **Arch Gen Psychiatry** 33(4):489–96, Apr 76

Evaluating signs and symptoms: comparison of structured interview ans clinical approaches. Carpenter WT Jr, et al. **Br J Psychiatry** 128:397–403, Apr 76

Clinical presentation and classification of Schizophrenia. Fish F. **Br J Psychiatry** Spec No 9:3–10, 1975 (21 ref.)

The use of selected questions from the Symptom-Sign Inventory with long-stay psychiatric patients. Gomez J, et al. **Br J Psychiatry** 128:595–8, Jun 76

Schizophrenia: the remedy for diagnostic confusion. Kendell RE. **Br J Psychiatry** Spec No 9:11–7, 1975 (33 ref.)

Bleuler and schizophrenia. Raskin DE. **Br J Psychiatry** 127:231–4, Sep 75

Relationship of mental status, functioning and stress to readmission of schizophrenics. Serban G. **Br J Soc Clin Psychol** 14(3):291–301, Sep 75

The Iowa 500: field work in a 35-year follow-up of depression, mania, and schizophrenia. Tsuang MT, et al. **Can Psychiatr Assoc J** 20(5):359–65, Aug 75

The object-sorting test as a differential diagnostic tool. Collins PJ, et al. **Compr Psychiatry** 16(4):391–7, Jul–Aug 75

Symptom differences in reactive psychoses and schizophrenia with poor prognosis. McCabe MS. **Compr Psychiatry** 17(2):301–7, Mar–Apr 76

Psychiatric disorders in a community mental health center. II. Who gets readmitted? Viesselman JO, et al. **Compr Psychiatry** 16(5):485–94, Sep–Oct 75

High pressure chromatographic separation of some biogenic amines and derivatives implicated in the aetiology of schizophrenia. pp. 119–24. Mee TJ, et al. **In: Dixon PF, et al., ed. High pressure liquid chromatography in clinical chemistry. London, Academic Press, 1976. QD 79.C454 H638 1975.**

What are our criteria for a diagnosis of schizophrenia? pp. 125–37. Kendell RE. **In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.**

A study on the diagnostic value of the cassel group level of aspiration test. Sahay M. **Indian J Med Res** 63(4):607–12, Apr 75

Degree of pathology as related to readiness to accept labels in process and reactive schizophrenics. Johnson JE, et al. **Int J Soc Psychiatry** 21(4):292–6, Winter 75

The integration defects in paranoid and nonparanoid schizophrenia. McDowell D, et al. **J Abnorm Psychol** 84(6):629–36, Dec 75

Comparing traditional clinical procedures with four systems to diagnose schizophrenia. Newmark CS, et al. **J Abnorm Psychol** 85(1):66–72, Feb 76

The MMPI in the differential diagnosis of organicity vs. schizophrenia: empirical findings and a somewhat different perspective. Ayers J, et al. **J Clin Psychol** 31(4):685–6, Oct 75

Level of education, diagnosis and race-related differences in MMPI performance. Cowan MA, et al. **J Clin Psychol** 31(3):442–4, Jul 75

Schizophrenic behavior as a function of role expectation. Krieger MJ, et al. **J Clin Psychol** 32(2):463–7, Apr 76

Psychopathological behavior and the hospital environment. Lohss WE. **J Clin Psychol** 32(3):523–7, Jul 76

Behavioral and physiological effects of examiner sex on process and reactive schizophrenics. McDonald RK, et al. **J Clin Psychol** 32(2):225–7, Apr 76

Retest reliability of the Halstead Impairment Index in a normal, a schizophrenic, and two samples of organic patients. Matarazzo JD, et al. **J Clin Psychol** 32(2):338–49, Apr 76

The relationships among the Hoffer-Osmond Diagnostic Test, the Minnesota Multiphasic Personality Inventory, and independent clinical diagnoses. Neziroglu F. **J Clin Psychol** 31(3):430–3, Jul 75

Validation of a brain-damage vs. schizophrenia MMPI key. Russell EW. **J Clin Psychol** 31(4):659–61, Oct 75

Schizophrenic vs. brain-damaged performance on the Holtzman Inkblot Technique. Velez-Diaz A. **J Clin Psychol** 32(1):177–8, Jan 76

MMPI-WAIS relationships in organic and schizophrenic patients. Watson CG, et al. **J Clin Psychol** 32(3):539–40, Jul 76

MMPI indices in the discrimination of brain-damaged and schizophrenic groups. Holland TR, et al. **J Consult Clin Psychol** 43(3):426, Jun 75

WAIS picture arrangement and premorbid social competence among process schizophrenics. Edinger JD. **J Pers Assess** 40(1):52–3, Feb 76

Temporal information processing and psychopathology. Crain P, et al. **Percept Mot Skills** 41(1):219–24, Aug 75

Intellectual efficiency and symptoms of the schizophrenic process. Ostaszewska J, et al. **Pol Med Sci Hist Bull** 15(4):487–92, Jul–Aug 75

The relation between premorbid competence and paranoid-nonparanoid status in schizophrenia: a methodological and theoretical critique. Zigler E, et al. **Psychol Bull** 83(2):303–13, Mar 76 (39 ref.)

Evaluation of psychopathology in bilinguals. Alpert M. **Psychopharmacol Bull** 11(4):60–1, Oct 75

The computer diagnosis in a multicenter study of psychoactive agents. Cassano GB, et al. **Psychopharmacol Bull** 12(2):22–4, Apr 76

The spectrum concept in schizophrenic and manic-depressive disorders. Rosenthal D. **Res Publ Assoc Res Nerv Ment Dis** 54:19–25, 1975

The key clinical dimensions of the functional psychoses. Strauss JS, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:9–17, 1975

A factorial study of schizophrenia. Jonsson H. **Scand J Psychol** 16(2):125–30, 1975

The diagnosis and psychopathology of schizophrenia in New York and London. **Schizophrenia Bull** (11):80–102, Winter 74

The diagnosis and understanding of schizophrenia. Part II. Expanded perspectives for describing and comparing schizophrenic patients. Bartko JJ, et al. **Schizophrenia Bull** (11):50–60, Winter 74

Intercultural studies in search of a disease. Bellak L. **Schizophrenia Bull** (12):6–9, Spring 75

An approach to the diagnosis and understanding of schizophrenia. Introduction. Carpenter WT Jr, et al. **Schizophrenia Bull** (11):35–6, Winter 74

The diagnosis and understanding of schizophrenia. Part I. Use of signs and symptoms for the identification of schizophrenic patients. Carpenter WT Jr, et al. **Schizophrenia Bull** (11):37–49, Winter 74

How to test hypotheses about schizophrenic thought disorder. Chapman LJ, et al. **Schizophrenia Bull** (12):42–59, Spring 75

Schizophrenics' role in diagnosis. Cleland CC. **Schizophrenia Bull** (12):15–6, Spring 75

Schizophrenia: heretical notes on a diagnostic category. Greenberg JA. **Schizophrenia Bull** (12):10–4, Spring 75

The diagnosis and understanding of schizophrenia. Summary and conclusions. Strauss JS, et al. **Schizophrenia Bull** (11):70–80, Winter 74 (130 ref.)

The diagnosis and understanding of schizophrenia. Part III. Speculations on the processes that underlie schizophrenic symptoms and signs. Strauss JS, et al. **Schizophrenia Bull** (11):61–9, Winter 74

Schizophrenia: a multinational study. Discussion and conclusions. **WHO Public Health Pap** (63):136–46, 1975

Schizophrenia: a multinational study. Cluster analysis. **WHO Public Health Pap** (63):105–14, 1975

A concordant group of schizophrenics. **WHO Public Health Pap** (63):115–35, 1975

Schizophrenia: a multimational study. Clinical classification by computer. **WHO Public Health Pap** (63):79–104, 1975

Schizophrenia: a multinational study. Units of analysis, groups of units, and the psychopathology of patient groups. **WHO Public Health Pap** (63):46–78, 1975

The diagnosis of schizophrenia in cross-cultural studies—the need for standardized symptomatological approach. **WHO Public Health Pap** (63):28–38, 1975

[Problems of penal responsibility for schizophrenics] Stuchlík S. **Cesk Psychiatr** 71(5):324–9, Oct 75 **(Cze)**

[Reconsideration of schizophrenia] Baruk H. **Ann Med Psychol (Paris)** 2(2):261–77, Jul 74 **(Fre)**

[Current evolution of schizophrenia. Apropos of the evolution of 35 young schizophrenics followed for more than 10 years] Lambert PA, et al. **Ann Med Psychol (Paris)** 2(5):873–91, Dec 75 **(Fre)**

[Social environment and the symptoms of 2 groups of schizophrenics] Petho B. **Ann Med Psychol (Paris)** 2(1):153–66, Jun 75 **(Fre)**

[Hysteria, schizoprenia, Wilson's disease] Basquin M. **Rev Neuropsychiatr Infant** 23(3–4):195–200, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Critical remarks on the symptom of 'thought insertion' (author's transl)] Koehler K, et al. **Arch Psychiatr Nervenkr** 221(4):369–82, 22 Jun 76 (Eng. Abstr.) **(Ger)**

[Investigation of the interraterreliability of the AMP system (author's transl)] Maurer-Groeli YA. **Arch Psychiatr Nervenkr** 221(4):321–9, 22 Jun 76 (Eng. Abstr.) **(Ger)**

[Experimental analysis of a perceptual disturbance in schizophrenia. Desynchronization of hand-movements with uniform acoustic frequency (author's transl)] Kneutgen J. **Fortschr Neurol Psychiatr** 44(4):182–91, Apr 76 (Eng. Abstr.) **(Ger)**

[Lifestyle and age of schizophrenics. A catamnestic long-term study into old age] Ciompi L, et al. **Monogr Gesamtgeb Psychiatr (Berlin)** 12(0):1–242, 1976 **(Ger)**

[Diagnosis of schizophrenic disorders from the psychologist's viewpoint] Plaum E. **Nervenarzt** 47(3):145–52, Mar 76 **(Ger)**

[The influence of psycho-organic impairment in old age on the course of so-called late schizophrenia] Gabriel E. **Psychiatr Clin (Basel)** 7(6):358–54, 1974 (Eng. Abstr.) **(Ger)**

[Usefulness for differential diagnosis of the distribution of extrapyramidal symptoms resulting from neuroleptic therapy in psychiatric practice] Bódog G. **Psychiatr Neurol Med Psychol (Leipz)** 28(1):51–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Schizophreniform conditions in adolescent drug users differentiation possibilities using objective personality inventories] Ladewig D, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 117(2):283–98, 1975 (Eng. Abstr.) **(Ger)**

[Schizophrenia in the daseinsanalytic-phenomenological view (author's transl)] Boss M. **Ther Umsch** 33(7):452–64, Jul 76 (Eng. Abstr.) **(Ger)**

[Headache as initial symptom of schizophrenic disease] Hinterhuber H. **Minerva Med** 67(31):2031–3, 23 Jun 76 (Eng. Abstr.) **(Ita)**

[Onset and course of schizophrenia (the results of a statistical study)] Angst J, et al. **Zh Nevropatol Psikhiatr** 75(9):1354–8, 1975 (Eng. Abstr.) **(Rus)**

[Psychological diagnosis of sluggish schizophrenia (according to thematic apperception test findings)] Boiarshinova TN. **Zh Nevropatol Psikhiatr** 75(11):1680–2, 1975 (Eng. Abstr.) **(Rus)**

[A clinico-catamnestic study of unfavorably developing schizophrenia in old age] Druzhinina TA, et al.

Zh Nevropatol Psikhiatr 16(1):102–9, 1976 (Eng. Abstr.) **(Rus)**

[Palmar dermatoglyphics of schizophrenic patients] Dvirskii AE. **Zh Nevropatol Psikhiatr** 75(6):891–7, 1975 (Eng. Abstr.) **(Rus)**

[Results of a catamnestic examination of schizophrenic patients] Huber G. **Zh Nevropatol Psikhiatr** 75(9):1368–74, 1975 (Eng. Abstr.) **(Rus)**

[Prognosis of the frequency of attacks of schizophrenia (according to findings from an epidemiologic study)] Khramelashvili VV, et al. **Zh Nevropatol Psikhiatr** 76(5):747–54, 1976 (Eng. Abstr.) **(Rus)**

[Uniqueness of certain structural personality prerequisites in schizophrenia] Kontridze FM, et al. **Zh Nevropatol Psikhiatr** 75(9):1365–8, 1975 (Eng. Abstr.) **(Rus)**

[Schizophrenia with a paroxysm–like progressing course (the psychopathology and typology of the attacks)] Kontsevoi VA. **Zh Nevropatol Psikhiatr** 74(1):112–8, 1974 (Eng. Abstr.) **(Rus)**

[Variants in the course of circular schizophrenia (an epidemiologic study)] Kupcha BA, et al. **Zh Nevropatol Psikhiatr** 76(4):578–86, Apr 76 (Eng. Abstr.) **(Rus)**

[The early stages of schizophrenia] Makeev GA. **Zh Nevropatol Psikhiatr** 76(4):556–63, Apr 76 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of affective psychoses intermediate between manic–depressive psychosis and paroxysm–like schizophrenia] Mikhallova NM. **Zh Nevropatol Psikhiatr** 74(1):105–12, 1974 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical picture and course of ambulatory schizophrenia at a late age] Molchanova EK. **Zh Nevropatol Psikhiatr** 74(1):89–94, 1974 (Eng. Abstr.) **(Rus)**

[Attack–like schizophrenia with a 'progressive' course and profound long–term remissions in old age] Molchanova EK. **Zh Nevropatol Psikhiatr** 76(5):736–41, 1976 (Eng. Abstr.) **(Rus)**

[A catamnestic study of shift–like schizophrenia with long–term remissions] Murtalibov ShA. **Zh Nevropatol Psikhiatr** 76(4):568–72, Apr 76 (Eng. Abstr.) **(Rus)**

[Data from a comparative study of traumatic, hallucinatory–delusional psychoses and of hallucinatory–delusional schizophrenia in persons who have experienced skull injury] Nikonova TB. **Zh Nevropatol Psikhiatr** 74(3):416–22, 1974 (Eng. Abstr.) **(Rus)**

[Some characteristics of the premordid condition in patients with juvenile, malignantly progressing schizophrenia] Pekunova LG. **Zh Nevropatol Psikhiatr** 74(3):433–9, 1974 (Eng. Abstr.) **(Rus)**

[Attack–like schizophrenia developing in old age as a 'series' of attacks] Rostovtseva TI. **Zh Nevropatol Psikhiatr** 16(1):109–14, 1976 (Eng. Abstr.) **(Rus)**

[Clinical features and problems in the differential diagnosis of schizophrenic psychoses developing after delivery] Semenov SF, et al. **Zh Nevropatol Psikhiatr** 76(5):741–7, 1976 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the work capacity of schizophrenic patients with various types of the course of the disease process (based on epidemiological study data)] Serebriakova ZN. **Zh Nevropatol Psikhiatr** 75(9):1396–9, 1975 (Eng. Abstr.) **(Rus)**

[Comparison of the diagnostic assessment of schizophrenia from the positions of Soviet and French psychiatry (with a clinical illustration)] Siabra–Dinish T. **Zh Nevropatol Psikhiatr** 75(9):1413–24, 1975 (Eng. Abstr.) **(Rus)**

[The clinical picture and dynamics of long–term late remissions in the outcome of shift–like schizophrenia] Sukhovskii AA. **Zh Nevropatol Psikhiatr** 76(4):563–8, Apr 76 (Eng. Abstr.) **(Rus)**

[Diagnostic difficulties in the forensic psychiatric examination of schizophrenic patients (clinico–psychopathologic aspect)] Zharikov NM, et al. **Zh Nevropatol Psikhiatr** 16(1):121–6, 1976 (Eng. Abstr.) **(Rus)**

[Aggression and schizophrenia. A study with Rosenzweig's P.F.T. test] Linares Fernández JL, et al. **Arch Neurobiol (Madr)** 38(5):427–38, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

[Electroencephalography in the study of schizophrenic patients] Dorazco–Valdés J. **Gac Med Mex** 110(2):109–14, Aug 75 **(Spa)**

DRUG THERAPY

Preliminary experience in the treatment of schizophrenia with pipothiazine and its derivatives. Faltus F, et al. **Act Nerv Super (Praha)** 17(3):204, SEP 75

Proceedings: Experimental and short–term clinical trials with mesylphenacyrazine. Kulísková O, et al. **Act Nerv Super (Praha)** 17(4):236–7, 1975

Proceedings: The relation between the clinical effect of clozapine and the incidence of side effects. Mareček P, et al. **Act Nerv Super (Praha)** 17(4):221–2, 1975

To the problem of temporary and paemanent effect of drug therapy, particularly in chronic schizophrenia. Molčan J, et al. **Act Nerv Super (Praha)** 17(3):203, SEP 75

Clinical trial of ORAP in schizophrenia. Mrňa B, et al. **Act Nerv Super (Praha)** 17(3):204–5, SEP 75

Proceedings: The effect of folic acid in chronic schizophrenics. Müllerová D, et al. **Act Nerv Super (Praha)** 17(4):222–5, 1975

Proceedings: Comparison of the effect of oxypertine and thioridazine on sensorimotor activity in chronic schizophrenics (a controlled study). Remr J, et al. **Act Nerv Super (Praha)** 17(4):213–4, 1975

Triflуoperazine sirup in chronic psychotic patients. Seifertová D, et al. **Act Nerv Super (Praha)** 17(3):206–7, SEP 75

Dosage of neuroleptic drugs for schizophrenic patients (analysis of hospital cases in the psychiatric hospital during 1969 to 1973). Topiař A, et al. **Act Nerv Super (Praha)** 17(3):203, SEP 75

Proceedings: A comparison of Oxypertine Winthrop and chlorothepin (Clothepin Spofa) in schizophrenic psychoses. Uhlíř F, et al. **Act Nerv Super (Praha)** 17(4):215, 1975

Clinical and electoencephalographical studies of the thioxanthenes. Holden JM. **Acta Psychiatr Belg** 74(5):526–8, Sep 74

Pharmacokinetics of flupentixol decanoate. Vranckx CH, et al. **Acta Psychiatr Belg** 74(5):529–32, Sep 74

Controlled trial of penfluridol and thiothixene in the maintenance treatment of chronic schizophrenic syndromes. Jacobsson L, et al. **Acta Psychiatr Scand** 54(2):113–24, Aug 76

The duration of maintenance therapy in chronic schizophrenia. Johnson DA. **Acta Psychiatr Scand** 53(4):298–301, Apr 76

Deposits in the lens and cornea of the eye during long–term chlorpromazine medication. Rasmussen K, et al. **Acta Psychiatr Scand** 53(1):1–6, Jan 76

Drug default among schizophrenic patients. Nelson AA Jr, et al. **Am J Hosp Pharm** 32(12):1237–42, Dec 75

Effect of drug ritual changes on schizophrenic patients. Burgoyne RW. **Am J Psychiatry** 133(3):284–9, Mar 76

Penfluridol in the treatment of newly admitted schizophrenic patients in a brief therapy unit. Chouinard G, et al. **Am J Psychiatry** 133(7):850–3, Jul 76

Recent developments in the drug treatment of schizophrenia. Davis JM. **Am J Psychiatry** 133(2):208–14, Feb 76

Maintenance antipsychotic therapy: is the cure worse than the disease? Gardos G, et al. **Am J Psychiatry** 133(1):32–6, Jan 76 (25 ref.)

The immediate effects of chlorpromazine in newly admitted schizophrenic patients. Hamill WT, et al. **Am J Psychiatry** 132(10):1023–6, Oct 75

A placebo–controlled study of lithium combined with neuroleptics in chronic schizophrenic patients. Small JG, et al. **Am J Psychiatry** 132(12):1315–7, Dec 75

Behavioral Effects of Reducing the Daily Frequency of Phenothiazine Administration. Callahan EJ, et al. **Arch Gen Psychiatry** 32(10):1285–90, Oct 75

Amitriptyline–perphenazine interaction in ambulatory schizophrenic patients. A controled study of drug interaction. Chouinard G, et al. **Arch Gen Psychiatry** 32(10):1295–307, Oct 75

Comparative doses and costs of antipsychotic medication. Davis JM. **Arch Gen Psychiatry** 33(7):858–61, Jul 76

A controlled trial of amantadine in drug–induced extrapyramidal disorders. DiMascio A, et al. **Arch Gen Psychiatry** 33(5):599–602, May 76

Anxiety in schizophrenia. The responses to chlordiazepoxide in an intensive design study. Kellner R, et al. **Arch Gen Psychiatry** 32(10):1246–54, Oct 75

The effect of neuroleptics on serum prolactin in schizophrenic patients. Meltzer HY, et al. **Arch Gen Psychiatry** 33(3):279–86, Mar 76

Very high dosage vs standard dosage fluphenazine in schizophrenia. A double–blind study of nonchronic treatment–refractory patients. Quitkin F, et al. **Arch Gen Psychiatry** 32(10):1276–81, Oct 75

Potentiation by metyrosine of thioridazine effects in chronic schizophrenics. A long–term trial using double–blind crossover technique. Wålinder J, et al. **Arch Gen Psychiatry** 33(4):501–5, Apr 76

Search for new treatment approaches in schizophrenia: in vitro studies of potential N–methyltransferase inhibitors. Domino EF. **Arch Int Pharmacodyn Ther** 221(1):75–86, May 76

Cerebrospinal fluid levels of chlorpromazine and it metabolites in schizophrenia. Axelsson S, et al. **Arch Psychiatr Nervenkr** 221(2):167–70, 31 Dec 75

The choice of neuroleptics in the treatment of schizophrenia: a critical review Tansella M, et al. **Arzneim Forsch** 26(5):943–5, 1976 (39 ref.)

Double blind trial of L–dopa in chronic schizophrenia. Buchanan FH, et al. **Aust NZ J Psychiatry** 9(4):269–71, Dec 75

Tranquilizers or anti–depressants for chronic schizophrenics: a long term study. Teja JS, et al. **Aust NZ J Psychiatry** 9(4):241–7, Dec 75

Histochemical changes in the blood cells of schizophrenic patients under pimozide treatment. Stefanis CN, et al. **Biol Psychiatry** 11(1):53–68, Feb 76

A controlled trial of phenothiazine withdrawal in chronic schizophrenic patients. Andrews P, et al. **Br J Psychiatry** 128:451–5, May 76

Letter: Maintenance therapy in chronic schizophrenics. Gibson AC. **Br J Psychiatry** 129:94, Jul 76

The expectation of outcome from maintenance therapy in chronic schizophrenic patients. Johnson DA. **Br J Psychiatry** 128:246–50, Mar 76

Maintenance therapy and schizophrenia. Leff JP. **Br J Psychiatry** Spec No 9:55–8, 1975 (16 ref.)

Nicotinic acid as adjuvant therapy in newly admitted schizophrenic patients. Ramsay RA, et al. **Can Med Assoc J** 102(9):939–42, 9 May 70

Nicotinic acid in the treatment of schizophrenias. Canadian Mental Health Association collaborative study: progress report II. Ban TA, et al. **Can Psychiatr Assoc J** 20(2):103–12, Mar 75

Megavitamin and orthomolecular therapy of schizophrenia. Brown WT. **Can Psychiatr Assoc J** 20(2):97–100, Mar 75

Letter: Megavitamin treatment of schizophrenia. Hoffer J. **Can Psychiatr Assoc J** 20(6):492–5, Oct 75

Letter: Megavitamin treatment in schizophrenia. Hoffer J. **Can Psychiatr Assoc J** 21(2):133–4, Mar 76

Penfluridol steady–state kinetics in psychiatric patients. Cooper SF, et al. **Clin Pharmacol Ther** 18(3):325–9, Sep 75

Thioridazine plasma levels and clinical response. Gottschalk LA, et al. **Compr Psychiatry** 16(4):323–37, Jul–Aug 75

Responses of chronic schizophrenic females to a combination of diphenylhydantoin and neuroleptics: a double–blind study. Pinto A, et al. **Compr Psychiatry** 16(6):529–36, Nov–Dec 75

The long–term use of high doses of fluphenazine enanthate and fluphenazine decanoate. Verhaegen JJ. **Compr Psychiatry** 16(4):357–62, Jul–Aug 75

Group pharmacotherapy for chronic schizophrenic patients. Payn SB. **Curr Psychiatr Ther** 15:237–40, 1975

A morphanthridine derivative in schizophrenic patients — lack of extrapyramidal symptoms. Angrist B, et al. **Curr Ther Res** 20(1):94–8, Jul 76

A clinical trial of a structurally unique neuroleptic (SU–23397). Angrist BM, et al. **Curr Ther Res** 18(2):359–63, Aug 75

Clinical experience with fluphenazine decanoate in the treatment of patients with long–standing chronic schizophrenia. Christodoulidis H, et al. **Curr Ther Res** 18(1 pt 2):193–8, Jul 75

The evaluation of the anti–autistic activity of sulpiride. Elizur A, et al. **Curr Ther Res** 18(4):578–84, Oct 75

Treatment of acute psychotic patients with loxapine parenterally. Fruensgaard K, et al. **Curr Ther Res** 19(2):164–9, Feb 76

A comparative study with pipothiazine palmitate and fluphenazine enanthate in the treatment of schizophrenic patients. Jain RC, et al. **Curr Ther Res** 18(4):585–9, Oct 75

A double–blind evaluation of metiapine in hospitalized acute schizophrenics. Kramer M, et al. **Curr Ther Res** 18(6):839–48, Dec 75

Intramuscularly administered fluphenazine HCl in acute schizophrenia: a retrospective study. Levenson AJ. **Curr Ther Res** 19(3):320–7, Mar 76

Lenperone: a controlled evaluation in chronic schizophrenic patients. Mielke DH, et al. **Curr Ther Res** 18(5):636–40, Nov 75

Treatment of acute schizophrenia with loxapine succinate (Loxitane) in a controlled study with chlorpromazine. Moore DF. **Curr Ther Res** 18(1 pt 2):172–80, Jul 75

Clinico–pharmacological studies of sulpiride. Nishiura M. **Curr Ther Res** 20(2):164–72, Aug 76

A controlled evaluation of loxitane in seventy–five adolescent schizophrenic patients. Pool D, et al. **Curr Ther Res** 19(1):99–104, Jan 76

A preliminary study with penfluridol in hospitalized chronic schizophrenic patients. Rousos AP, et al. **Curr Ther Res** 18(5):618–26, Nov 75

Antipsychotic effects of AL 1965. Sathananthan G, et al. **Curr Ther Res** 19(5):516–9, May 76

Loxapine succinate: a double–blind comparison with haloperidol and placebo in acute schizophrenics. Selman FB, et al. **Curr Ther Res** 19(6):645–52, Jun 76

An early clinical and toxicity trial of EX 11–582A in chronic schizophrenia. Simpson GM, et al. **Curr Ther Res** 19(1):87–98, Jan 76

The efficacy and safety of loxapine succinate in the treatment of schizophrenia: a comparative study with thiothixene. Vianna Filho U, et al. **Curr Ther Res** 18(3):476–90, Sep 75

An open study of mesoridazine (Serentil) in chronic schizophrenics. Aguilar SJ. **Dis Nerv Syst** 36(9):484–9, Sep 75

The assessment of thiothixene in chronic schizophrenia. A double–blind controlled trial. Burnett GB, et al. **Dis Nerv Syst** 36(11):625–9, Nov 75

Technique of fluphenazine decanoate therapy in acute schizophrenic illnesses. Corbett L. **Dis Nerv Syst** 36(10):573–5, Oct 75

A two year trial of loxapine succinate in chronic psychotic patients. Simpson GM, et al. **Dis Nerv Syst** 37(5):305–7, May 76

Dysphoric response to neuroleptic treatment in schizophrenia and its prognostic significance. Singh MM. **Dis Nerv Syst** 37(4):191–6, Apr 76

Double–blind controlled study of L–Dopa therapy in schizophrenia. Inanaga K, et al. **Folia Psychiatr Neurol Jpn** 29(2):123–43, 1975

Behavioral effects of L–dopa and thyrotropin–releasing hormone in schizophrenic patients: a preliminary report. Inanaga K, et al. **Folia Psychiatr Neurol Jpn** 29(3):197–205, 1975

The effect of L–dopa and vitamin B6 in schizophrenia. Kai Y. **Folia Psychiatr Neurol Jpn** 30(1):19–26, 1976

Reduction of blood platelet monoamine oxidase activity in schizophrenic patients on phenothiazines. Takahashi S, et al. **Folia Psychiatr Neurol Jpn** 29(3):207–14, 1975

Niacin in the treatment of schizophrenias: alone and in combination. pp. 293–9. Ban TA, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Long–term treatment of psychiatric patients with clopenthixol. Analysis of laboratory investigations. pp. 391–2. Hansen V, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Effects of L–DOPA on schizophrenia. pp. 229–33. Inanaga K, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Whom do neuroleptic drugs help? pp. 247–56. Vinař O.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

A preliminary report on clinical response and blood levels of chlorpromazine and its sulfoxide during chlorpromazine therapy in chronic schizophrenic patients. pp. 191–7. Clark ML, et al.
In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.

Plasma levels of mesoridazine and its metabolites and clinical response in acute schizophrenia after a single intramuscular drug dose. pp. 171–89. Gottschalk LA, et al.
In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.

Chlorpromazine metabolism and clinical response in acute schizophrenia: a preliminary report. pp. 199–219. Schooler NR, et al.
In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.

A pilot study of pimozide in schizophrenia. pp. 71–2. Smythies JR, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

The interaction between depot–phenothiazines and the social and clinical manifestations of behaviour in patients with stabilised chronic schizophrenia. pp. 209–22. Hirsch SR.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Clomacran in the treatment of schizophrenic patients: a comparison of two assessment methods. Pecknold JC, et al. **Int J Clin Pharmacol Biopharm** 11(4):299–303, Jun 75

The problem of post–psychotic schizophrenic depressions and their pharmacological induction. Long–term studies with fluspirilene and penfluridol and single–blind trial with fluphenazine–decanoate and flupenthixol–decanoate. Floru L, et al. **Int Pharmacopsychiatry** 10(4):230–9, 1975

Clozapine in the treatment of newly admitted schizophrenic patients. A pilot study. Chouinard G, et al. **J Clin Pharmacol** 16(5–6):289–97, May–Jun 76

A long–term study of penfluridol in chronic schizophrenia. Jus A, et al. **J Clin Pharmacol** 16(5–6):298–303, May–Jun 76

A double–blind comparison of loxapine succinate and trifluoperazine in newly admitted schizophrenic patients. Simpson GM, et al. **J Clin Pharmacol** 16(1):60–5, Jan 76

Metiapine: a double–blind comparison with chlorpromazine in acute schizophrenic patients. Steinbook RM, et al. **J Clin Pharmacol** 15(10):700–4, Oct 75

Predicting individual responses to drug treatment in schizophrenia: a test dose model. May PR, et al. **J Nerv Ment Dis** 162(3):177–83, Mar 76

Editorial: The other side of fluphenazine. **Lancet** 2(7946):1193–4, 13 Dec 75

Letter: Thyrotropin–releasing hormone in chronic schizophrenia. Bigelow LB, et al. **Lancet** 2(7940):869–70, 1 Nov 75

Dopamine and schizophrenia. Crow TJ, et al. **Lancet** 2(7985):563–6, 11 Sep 76

Letter: Bacloffen in schizophrenia. Davis KL, et al. **Lancet** 1(7971):1245, 5 Jun 76

Letter: Fluphenazine decanoate. Freeman H. **Lancet** 1(7949):36–7, 3 Jan 76

Letter: Are benzodiazepines antipsychotic agents? Nistri A. **Lancet** 2(7943):1040, 22 Nov 75

Receptor sensitivity in schizophrenia. Sever PS. **Lancet** 1(7954):312, 7 Feb 76

Letter: Baclofen in schizophrenia. Simpson GM, et al. **Lancet** 1(7966):966–7, 1 May 76

Letter: Are benzodiazepines antipsychotic agents? Trabucchi M, et al. **Lancet** 2(7940):868, 1 Nov 75

The role of central cholinergic mechanisms in schizophrenia. Neubauer H, et al. **Med Hypotheses** 1(1):32–4, Jan–Feb 75

Loxapine (Loxitane). **Med Lett Drugs Ther** 17(25):103, 5 Dec 75

Long–acting phenothiazines for treatment of schizophrenia. **Med Lett Drugs Ther** 18(2):6–7, 16 Jan 76

Relationship of genetic factors to course and drug response in schizophrenia, mania and depression. Winokur G. **Mod Probl Pharmacopsychiatry** 10:1–11, 1975 (26 ref.)

Neurology and psychopharmacology. Merskey H. **Mod Trends Neurol** 6:241–7, 1975 (24 ref.)

Nicotinic acid in the treatment of schizophrenias. Practical and theoretical considerations. Ban TA. **Neuropsychobiology** 1(3):133–45, 1975

Long–acting neuroleptics—a fairy story? Hiep A, et al. **Nurs Times** 72(22):863–6, Jun 76

Fluphenazine decanoate maintenance in schizophrenia: a retrospective study. Polonowita A, et al. **NZ Med J** 83(563):316–8, 12 May 76

Changes in serum tryptophan and albumin binding of tryptophan in chlorpromazine–treated chronic schizophrenics on withdrawal and restoration of drug therapy. Bender DA, et al. **Psychol Med** 5(4):397–403, Nov 75

Activity in chronic schizophrenic patients: comparison of pimozide with fluphenazine in a double blind trial. Sims AC, et al. **Psychol Med** 5(2):161–4, May 75

Editorial: Time to evaluate long–acting neuroleptics? Watt DC. **Psychol Med** 5(3):222–6, Aug 75

A three–year double–blind investigation of pimozide versus fluphenazine in chronic schizophrenia. Abuzzahab FS Sr, et al. **Psychopharmacol Bull** 12(2):26–7, Apr 76

A preliminary report on clinical response and blood levels of chlorpromazine and its sulfoxide during chlorpromazine therapy in chronic schizophrenic patients. Clark ML, et al. **Psychopharmacol Bull** 11(4):28–30, Oct 75

Proceedings: Penfluridol in the treatment of schizophrenia: clinical and psychometric findings. Deutsch M, et al. **Psychopharmacol Bull** 12(1):34–7, Jan 76

Proceedings: Clomacran in the treatment of schizophrenic patients—a comparison of two assessment methods. Galvan L, et al. **Psychopharmacol Bull** 12(1):30–1, Jan 76

Plasma levels of mesoridazine and its metabolites and clinical response in acute schizophrenia after a single intramuscular drug dose. Gottschalk LA, et al. **Psychopharmacol Bull** 11(4):33–4, Oct 75

Proceedings: Butaclamol in the treatment of schizophrenia—a comparison of two treatment methods. Imaz F, et al. **Psychopharmacol Bull** 12(1):31–4, Jan 76

Lithium combined with neuroleptics in the treatment of chronic schizophrenia. Kellams JJ, et al. **Psychopharmacol Bull** 12(2):27–30, Apr 76

A controlled double–blind comparison between loxapine and haloperidol in acute newly hospitalized schizophrenic patients. Paprocki J, et al. **Psychopharmacol Bull** 12(2):32–4, Apr 76

Comparison of fluphenazine decanoate, oral fluphenazine, and placebo in remitted outpatient schizophrenics. Rifkin A, et al. **Psychopharmacol Bull** 12(2):24–6, Apr 76

Proceedings: A comparative study of thiothixene and chlorpromazine in chronic schizophrenic patients: application of a special psychometric test battery. Ruiz–Navarro JF, et al. **Psychopharmacol Bull** 12(1):38–9, Jan 76

Chlorpromazine metabolism and clinical response in acute schizophrenia: a preliminary report. Schooler NR, et al. **Psychopharmacol Bull** 11(4):30–3, Oct 75

Biochemistry and schizophrenia (part IV) the neuroleptics—their mechanism of action: a review of the biochemical literature. Wyatt RJ. **Psychopharmacol Bull** 12(3):5–50, Jul 76

Synthetic thyroid releasing hormone (TRH) administered orally to chronic schizophrenic patients. Clark ML, et al. **Psychopharmacol Commun** 1(2):191–200, 1975

Butaclamol hydrochloride in newly admitted schizophrenics. Hollister LE, et al. **Psychopharmacol Commun** 1(5):493–500, 1975

Assessment of antipsychotic activity of an unique agent: SU–23397. Mielke EH, et al. **Psychopharmacol Commun** 1(2):117–22, 1975

Neuroendocrine effects of haloperidol therapy in chronic schizophrenia. Brambilla F, et al. **Psychopharmacologia** 44(1):17–22, 14 Oct 75

The effect of L–dopa on young patients with simple schizophrenia, treated with neuroleptic drugs: a double–blind cross–over trial with Madopar and placebo. Gerlach J, et al. **Psychopharmacologia** 44(1):105–10, 14 Oct 75

Prediction of response to chlorpromazine treatment in schizophrenics. Sakurai Y, et al. **Psychopharmacologia** 44(2):195–203, 31 Oct 75

A longitudinal therapeutic comparison between two prototypic neuroleptics (haloperidol and chlorpromazine) in matched groups of schizophrenics. Nontherapeutic interactions with trihexyphenidyl. Theoretical implications for potency differences. Singh MM, et al. **Psychopharmacologia** 43(2):115–21, 21 Aug 75

A comparative study of haloperidol and chlorpromazine in terms of clinical effects and therapeutic reversal with benztropine in schizophrenia. Theoretical implications for potency differences among neuroleptics. Singh MM, et al. **Psychopharmacologia** 43(2):103–13, 21 Aug 75

Fluphenazine enanthate induced decompensations. Van Putten T, et al. **Psychosomatics** 16(1):37–40, 1975

Drugs, diagnosis, and disease. Gershon S, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:85–100, 1975

An investigation of clozapine in the treatment of acute and chronic schizophrenia and gross behaviour disorders. Hemphill RE, et al. **S Afr Med J** 49(51):2121–5, 29 Nov 75

Workshop on orthomolecular treatment of schizophrenia: a report. Autry JH 3d. **Schizophrenia Bull** (12):94–103, Spring 75

Psychopharmacological treatment of schizophrenia. Lehmann HE. **Schizophrenia Bull** (13):27–45, Summer 75 (55 ref.)

Letter: nicotinamide treatment: an addendum. McGrath SD. **Schizophrenia Bull** (10):5, Fall 74

Dopamine receptor binding predicts clinical and pharmacological potencies of antischizophrenic drugs. Creese I, et al. **Science** 192(4238):481–3, 30 Apr 76

Beta–adrenergic blockade in the control of schizophrenic symptoms—a case for controlled studies. Yorkston N. **Scott Med J** 20(6):292–4, Nov 75

[Practical experience with moditen therapy (author's transl)] Slavíková V, et al. **Cesk Psychiatr** 71(6):378–81, Dec 75 (Eng. Abstr.) **(Cze)**

[Study of the clinical effects of sulpiride and perphenazine in 82 schizophrenic patients by the double blind method] Asada S, et al. **Encephale** 2(1):73–83, 1976 (Eng. Abstr.) **(Fre)**

[Comparison of two antipsychotic drugs: chlorpromazine and clozapine (author's transl)] Dick P, et al. **Ther Umsch** 32(8):497–500, Aug 75 (Eng. Abstr.) **(Fre)**

[Effects of neuroleptic withdrawal on the drug–induced extrapyramidal syndrome of chronic schizophrenia] Elie R, et al. **Union Med Can** 104(6):909–14, Jun 75 (Eng. Abstr.) **(Fre)**

[Psychophysiological methods for determination of the effect of central stimulants in neuroleptic syndrome] Bohaček N, et al. **Acta Med Iugosl** 29(5):387–92, 1975 **(Ger)**

[Neuroleptic effect of baclofen in chronic schizophrenia (author's transl)] Kuhn R. **Arzneim Forsch** 26(6):1187, 1976 (Eng. Abstr.) **(Ger)**

[Advantages of the initial therapy of acute schizophrenia with large doses of droperidol/A comparative study (author's transl)] Weiser G, et al. **Arzneim Forsch** 25(11):1845–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Long–term neuroleptic treatment of schizophrenic men] pp. 257–63. Eckmann F.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. (Ger)

[Combination of rating scales and handwriting test for objective evaluation and quantifying neuroleptic effects. A double blind study with fluspirilene and penfluridol] pp. 273–8. Linden KJ, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. (Ger)

[Variations in the behavior in chronic hospitalized schizophrenics under treatment with EMD 16, 139, a benzoquinolizine derivative] Goncalves N. **Int Pharmacopsychiatry** 11(2):65–73, 1976 (Eng. Abstr.) **(Ger)**

[Current status of neuroleptic long term treatment of schizophrenia] Woggon B, et al. **Nervenarzt** 46(11):611–6, Nov 75 (60 ref.) **(Ger)**

[Significance and advantages of Orap in the ambulatory care of schizophrenic psychoses] König L, et al. **Psychiatr Neurol Med Psychol (Leipz)** 28(2):106–13, Feb 76 (Eng. Abstr.) **(Ger)**

[Clinical experience with Leponex] Lange E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(6):360–5, Jun 75 (Eng. Abstr.) **(Ger)**

[Depot neuroleptics – practical method of the longtime treatment and methodological problems of clinical trials (author's transl)] Woggon B. **Ther Umsch** 32(8):501–6, Aug 75 (Eng. Abstr.) **(Ger)**

[The effect of massive doses (50.0–600.0 mg) intravenous atropine on cardiac function] Bódis L, et al. **Orv Hetil** 117(13):779–80, 28 Mar 76 **(Hun)**

[Pharmacotherapy of the acute phase of schizophrenia] Pethö B. **Orv Hetil** 117(1):26–9, 4 Jan 76 **(Hun)**

[Effect of neuroleptics on adrenaline and histamine skin reaction in simple schizophrenics] Jędrzejczak M. **Ann Acad Med Stetin** 21:357–89, 1975 (Eng. Abstr.) **(Pol)**

[Neuroleptics in long–term treatment of schizophrenia] Osmenda W, et al. **Psychiatr Pol** 9(6):654–5, Nov–Dec 75 **(Pol)**

[Course and results of treatment with 3 activating neuroleptics] Welbel L, et al. **Psychiatr Pol** 9(6):613–20, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[One of the variants of the simple form of schizophrenia in light of psychopharmacotherapy] Niss AI. **Zh Nevropatol Psikhiatr** 16(1):114–21, 1976 (Eng. Abstr.) **(Rus)**

[Neuroleptics, schizophrenia and institutional therapy] Aldama de Llano JM. **Actas Luso Esp Neurol Psiquiatr** 3(3):181–8, May–Jun 75 (Eng. Abstr.) **(Spa)**

[Experience with Leponex] Pablo Gotor Díaz D, et al. **Actas Luso Esp Neurol Psiquiatr** 3(4):281–6, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

[Butaclamol in acute schizophrenia] Gallart Capdevila JM. **Arch Neurobiol (Madr)** 38(6):545–86, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Retard neuroleptics and community assistance in schizophrenia] Mezquita J, et al. **Arch Neurobiol (Madr)** 38(5):455–70, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

[Treatment of acute schizophrenia with sulforidazine] Sánchez E, et al. **Rev Neuropsiquiatr** 38(2):94–105, Jun 75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Electrophoresis of platelet monoamine oxidase in schizophrenia and manic–depressive illness. Belmaker RH, et al. **Acta Psychiatr Scand** 54(1):67–72, Jul 76

Decreased blood platelet MAO activity in unmedicated chronic schizophrenic patients. Domino EF, et al. **Am J Psychiatry** 133(3):323–6, Mar 76

Serum creatine phosphokinase in schizophrenia. Meltzer HY. **Am J Psychiatry** 133(2):192–7, Feb 76

Reduced platelet monoamine oxidase activity in a subgroup of schizophrenic patients. Schildkraut JJ, et al. **Am J Psychiatry** 133(4):438–40, Apr 76

Serum dopamine-beta-hydroxylase activity in the affective psychoses and schizophrenia. Decreased activity in unipolar psychotically depressed patients. Meltzer HY, et al. **Arch Gen Psychiatry** 33(5):585–91, May 76

Catechol O-methyltransferase in red blood cells of schizophrenic, depressed, and normal human subjects. White HL, et al. **Br J Psychiatry** 128:184–7, Feb 76

Serum creatine phosphokinase (CPK) activity in monozygotic twins discordant for schizophrenia: heritability of serum CPK activity. Meltzer HY, et al. **Compr Psychiatry** 17(3–3E760517–760617–3):469–75, May–June 76

Evidence of a central noradrenergic deficiency in schizophrenia. pp. 99–123. Wise CD, et al.
In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.

N5,10-Methylenetetrahydrofolate reductase deficiency and schizophrenia: a working hypothesis. pp. 259–62. Mudd SH, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Monoamine oxidase in schizophrenia and other behavioral disorders. pp. 221–47. Murphy DL, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975. (150 ref.)

Post-mortem measurement of enzymes in human brain: evidence of a central noradrenergic deficit in schizophrenia. pp. 185–98. Wise CD, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975. (49 ref.)

Low platelet monoamine oxidase and vulnerability to schizophrenia. Wyatt RJ, et al. **Mod Probl Pharmacopsychiatry** 10:38–56, 1975

Platelet monoamine oxidase activity during the course of a schizophreniform psychosis. Cookson IB, et al. **Psychol Med** 5(3):314–6, Aug 75

Neuromuscular abnormalities in the major mental illnesses. I. Serum enzyme studies. Meltzer HY. **Res Publ Assoc Res Nerv Ment Dis** 54:165–88, 1975

CPK in neuropsychiatric diseases. Rowland LP. **Res Publ Assoc Res Nerv Ment Dis** 54:209–15, 1975

Neurotransmitter-related enzymes in the major psychiatric disorders: II. MAO and DBH in schizophrenia. Wyatt RJ, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:289–97, 1975 (23 ref.)

Low platelet monoamine oxidase activity and schizophrenia. Wyatt RJ, et al. **Schizophrenia Bull** 2(1):77–89, 1976 (32 ref.)

[Serum creatinphosphokinase (CPK) in endogenic psychoses] Krüger E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(3):140–6, Mar 75 (Eng. Abstr.) **(Ger)**

[Activity of some key enzymes of glucose metabolism in peripheral leukocytes in schizophrenics] Horodnicki JM. **Pol Tyg Lek** 30(46):1927–9, 17 Nov 75 **(Pol)**

[Attempt to isolate an active enzyme fraction for use in the treatment of schizophrenia] Fromen Ch, et al. **Vestn Akad Med Nauk SSSR** (9):51–5, 1975 (Eng. Abstr.) **(Rus)**

[Catalase in the blood and leukocytes of patients with nuclear schizophrenia] Glazov VA, et al. **Zh Nevropatol Psikhiatr** 76(4):549–52, Apr 76 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Season of birth in schizophrenia and neurosis. Hare EH. **Am J Psychiatry** 132(11):1168–71, Nov 75

The interaction of social class and other factors in the etiology of schizophrenia. Kohn ML. **Am J Psychiatry** 133(2):177–80, Feb 76

The family and schizophrenia. Reiss D. **Am J Psychiatry** 133(2):181–5, Feb 76

The guilt of schizophrenia as a universal 'guilt'. Shave D. **Am J Psychoanal** 35(2):183–5, Summer 75

Editorial: Dietary factors and schizophrenia. Kety SS. **Ann Intern Med** 84(6):745, Jun 76

A two factor theory of schizophrenia. pp. 25–9. Davis JM.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

A new hypothesis on the origin of schizophrenia. pp. 257–8. Laduron P.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Psychological factors in the aetiology of schizophrenia. pp. 173–82. Benedetti G.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

An integrated theory of the aetiology of schizophrenia. Impairment of the balance between certain, in series connected dopaminergic, serotonergic, and noradrenergic pathways within the brain. pp. 58–80. Cools AR.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75. (76 ref.)

The social analysis of schizophrenia. Theories of Laing, Cooper, etc. pp. 183–208. Sedgwick P.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Controversial questions concerning schizophrenia. pp. 1–5. van Praag HM.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Psychosomatic studies of psychiatric disorders: schizophrenia. Tucker GJ. **Int J Psychiatry Med** 6(1–2):113–21, 1975

Intrafamilial interpersonal environment of schizophrenic patients of Hindu families. Sathyavathi K. **Int J Soc Psychiatry** 21(4):297–302, Winter 75

Parental factors as reported by patient groups. Apperson LB, et al. **J Clin Psychol** 31(3):419–25, Jul 75

Recent life events and acute schizophrenic psychosis: a controlled study. Jacobs S, et al. **J Nerv Ment Dis** 162(2):75–87, Feb 76

Letter: Schizophrenia. **Lancet** 2(7932):458–9, 6 Sep 75

Editorial: Family deviance and schizophrenia. **Lancet** 2(7927):213–4, 2 Aug 75

Editorial: Gluten and schizophrenia. **Lancet** 1(7964):844, 17 Apr 76

Letter: Gluten and schizophrenia. Singh MM, et al. **Lancet** 02(7987):689–90, 25 Sep 76

Letter: Leptospirosis hardjo. Avery TL. **NZ Med J** 83(563):336, 12 May 76

Factors influencing the occurrence of schizophrenia-like psychosis in patients with temporal lobe epilepsy. Taylor DC. **Psychol Med** 5(3):249–54, Aug 75

Schizophrenia: a theory. Hartmann E. **Psychopharmacol Bull** 49(1):1–15, 26 Aug 76

An evolutionary context for schizophrenia. Jonas AD, et al. **Schizophrenia Bull** (12):33–41, Spring 75

Competing hypotheses and warring factions: applying knowledge of schizophrenia. Reiss D. **Schizophrenia Bull** (8):7–11, Spring 74

[Reduplication of psychogenesis by sociogenesis in schizophrenic syndromes] Pascalis G, et al. **Ann Med Psychol (Paris)** 2(1):197–9, Jun 75 **(Fre)**

[Evidences for the somatosis hypothesis of schizophrenia (author's transl)] Huber G. **Fortschr Neurol Psychiatr** 44(3):77–94, Mar 76 (50 ref.) (Eng. Abstr.) **(Ger)**

[Schizophrenia-like functional psychosis in encephalomyelitis disseminata] Dickschas A, et al. **Nervenarzt** 46(6):325–7, Jun 75 **(Ger)**

[Communicative aspects of studies in schizophrenia] Feldmann H. **Psychiatr Clin (Basel)** 8(5):250–65, 1975 (Eng. Abstr.) **(Ger)**

[Biogenic amines and schizophrenia] Schöpf J. **Schweiz Med Wochenschr** 105(38):1201–9, 20 Sep 75 (Eng. Abstr.) **(Ger)**

[Family conditions and psychic disorders in adolescents] Orwid M, et al. **Folia Med Cracov** 18(2):289–310, 1976 (Eng. Abstr.) **(Pol)**

[Prospective approach to the study of schizophrenia from the point of view of genetic and environmental factors] Erlemeier-Kimling L. **Vestn Akad Med Nauk SSSR** (9):20–4, 1975 (Eng. Abstr.) **(Rus)**

[Damage to the cell membranes as a possible link in the pathogenesis] Lideman RR, et al. **Vestn Akad Med Nauk SSSR** (9):47–50, 1975 (Eng. Abstr.) **(Rus)**

[Information theory aspects of the pathogenesis of schizophrenia] Zeidel' K. **Vestn Akad Med Nauk SSSR** (9):68–71, 1975 (Eng. Abstr.) **(Rus)**

[Situational factors and incipient schizophrenia] Efremov VS. **Zh Nevropatol Psikhiatr** 16(1):19–48, 1976 (Eng. Abstr.) **(Rus)**

[Paroxysm-like progressing schizophrenia with manifestation at a young age (the clinical aspects of the attacks)] Kurashov AS. **Zh Nevropatol Psikhiatr** 74(1):99–105, 1974 (Eng. Abstr.) **(Rus)**

[Psychic alienation, a main link in the formation of the psychopathology of schizophrenia] Megrabian AA. **Zh Nevropatol Psikhiatr** 75(9):1351–4, 1975 (Eng. Abstr.) **(Rus)**

[Effect of the psychogenic factor on the clinical picture and course of schizophrenia] Morozov GV. **Zh Nevropatol Psikhiatr** 75(9):1361–5, 1975 (Eng. Abstr.) **(Rus)**

[Consideration of schizophrenia from a unitary point of view] Rennert G, et al. **Zh Nevropatol Psikhiatr** 75(9):1359–61, 1975 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

A two-gene model for schizophrenia with the possibility to detect carriers of the modifier gene. Maricq HR. **Acta Psychiatr Scand** 52(4):264–82, Oct 75 (60 ref.)

Heredity of schizophrenia. Gfeller E. **Ala J Med Sci** 13(1):90–3, Jan 76

Teacher ratings of children vulnerable to psychopathology. Weintraub S, et al. **Am J Orthopsychiatry** 45(5):838–45, Oct 75

Albinism and schizophreniform psychosis: a pedigree study. Baron M. **Am J Psychiatry** 133(9):1070–3, Sep 76

Estimating the genetic contribution to schizophrenia. Matthysse SW, et al. **Am J Psychiatry** 133(2):185–91, Feb 76

A favorable response to lithium carbonate in a 'schizo-affective' father and son. Reiser DE, et al. **Am J Psychiatry** 133(7):824–7, Jul 76

Heterogeneity of schizophrenia. Tsuang MT. **Biol Psychiatry** 10(4):465–74, Aug 75 (24 ref.)

Fertility of the sibs of schizophrenic patients. Buck C, et al. **Br J Psychiatry** 127:235–9, Sep 75

Schizophrenia in a 47,XYY male. Faber R, et al. **Br J Psychiatry** 127:401–3, Oct 75

Letter: Schizophrenics' families. Fowler RC, et al. **Br J Psychiatry** 128:100–1, Jan 76

Genetic hypotheses and environmental factors in the light of psychiatric morbidity in the families of schizophrenics. Kay DW, et al. **Br J Psychiatry** 127:109–18, Aug 75

Letter: Schizophrenics' families. Kay DW, et al. **Br J Psychiatry** 128:510–1, May 76

Genetic aspects of schizophrenia. Shields J, et al. **Br J Psychiatry** Spec No 9:32–40, 1975 (48 ref.)

Psychiatric morbidity in parents and sibs of schizophrenics and non-schizophrenics. Stephens DA, et al. **Br J Psychiatry** 127:97–108, Aug 75

Some characteristics of schizophrenics and their parents. Winter DA. **Br J Soc Clin Psychol** 14(3):279–90, Sep 75

A dermatoglyphic study of 219 Italian schizophrenic males. Kemali D, et al. **Clin Genet** 9(1):51–60, Jan 76

Familial concordance in schizophrenia: a comparative study of pairs of sibs. Baron M, et al. **Compr Psychiatry** 17(3):461–7, May–June 76

Spouses of schizophrenics: a blind comparative study. Fowler RC, et al. **Compr Psychiatry** 16(4):339–42, Jul–Aug 75

Mental illness in the biological and adoptive families of adopted individuals who have become schizophrenic. pp. 19–26. Kety SS.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Genetic factors in the origin of schizophrenia. pp. 7–18. Strömgren E.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Some of the obstacles to overcome in investigations into the possible part of genetical factors in the aetiologies of schizophrenia. pp. 27–9. van den Bosch J.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Children vulnerable to psychopathology: the Stony Brook high-risk project. Neale JM, et al. **J Abnorm Child Psychol** 3(2):95–113, 1975

Comment on 'registered criminality in families with children at high risk for schizophrenia' by Kirkegaard-Sørensen and Mednick. Bishop DV. **J Abnorm Psychol** 85(2):240–2, Apr 76

The schizophrenia spectrum: a genetic concept. Reich W. **J Nerv Ment Dis** 162(1):3–12, Jan 76

Altered chromatin ultrastructure in neutrophils of schizophrenics. Issidorides MR, et al. **Nature** 258(5536):612–4, 18 Dec 75

A clinical and family history comparison of good outcome and poor outcome schizophrenia. Winokur G, et al. **Neuropsychobiology** 1(1):59–64, 1975

Schizophrenic spectrum disorders in the families of schizophrenic children. Bender L. **Proc Am Psychopathol Assoc** (63):125–34, 1975

Discussion: papers on the genetics of schizophrenia. Dunham HW. **Proc Am Psychopathol Assoc** (63):209–15, 1975

Mental illness in the biological and adoptive families of adopted individuals who have become schizophrenic: a preliminary report based on psychiatric interviews. Kety SS, et al. **Proc Am Psychopathol Assoc** (63):147–65, 1975

On the possible magnitudes of selective forces maintaining schizophrenia in the population. Kidd KK. **Proc Am Psychopathol Assoc** (63):135–45, 1975

Discussion: the concept of subschizophrenic disorders. Rosenthal D. **Proc Am Psychopathol Assoc** (63):200–8, 1975

Schizophrenia and the schizoid: the problem for genetic analysis. Shields J, et al. **Proc Am Psychopathol Assoc** (63):168–97, 1975

Marriage and the development of schizophrenia. Alanen YO, et al. **Psychiatry** 38(4):346–65, Nov 75

Newborn offspring of a schizophrenic parent: cardiac reactivity to auditory stimuli. Schachter J, et al. **Psychophysiology** 12(5):483–92, Sep 75

Schizophrenia and affective disorders: one illness or many? Tsuang MT. **Res Publ Assoc Res Nerv Ment Dis** 54:27–47, 1975

The offspring of schizophrenics. Bleuler M. **Schizophrenia Bull** (8):93–107, Spring 74

Children at risk: the search for the antecedents of schizophrenia. Part I. Conceptual models and research methods. Garmezy N, et al. **Schizophrenia Bull** (8):14–90, Spring 74 (247 ref.)

The family's contribution to the etiology of schizophrenia: current status. Goldstein MJ, et al. **Schizophrenia Bull** 14:48–63, Fall 75

Family and biologic variables in the same etiologic studies of schizophrenia: a proposal. Reiss D, et al. **Schizophrenia Bull** 14:64–81, Fall 75

Families and the etiology of schizophrenia. Fishing without a net. Reiss D. **Schizophrenia Bull** 14:9–11, Fall 75

Introduction to Manfred Bleuler's 'The offspring of schizophrenics'. Rosenthal D. **Schizophrenia Bull** (8):91–3, Spring 74

The normality of deviance: an alternate explanation of schizophrenia in the family. Waxler NE. **Schizophrenia Bull** 14:38–47, Fall 75

[Identical psychosis of a monocygous twin set—a case report (author's transl)] Berger G, et al. **Fortschr Neurol Psychiatr** 44(6):373–8, Jun 76 (Eng. Abstr.) **(Ger)**

[A dominant and a recessive genetic factor in two different forms of schizophrenia] Leonhard K. **Nervenarzt** 46(5):242–8, May 76 **(Ger)**

[Twin studies with a differentiated diagnosis of endogenic psychoses – psychosocial influences in certain forms of schizophrenia] Leonhard K. **Psychiatr Neurol Med Psychol (Leipz)** 28(2):78–88, Feb 76 (Eng. Abstr.) **(Ger)**

[Unusual family and environmental relationship between 2 persons with artistic schizophrenia] Gromska J, et al. **Psychiatr Pol** 9(5):579–83, Sep–Oct 75 **(Pol)**

[Inbreeding, endogamy and exogamy among the relatives of schizophrenia patients] Abaskuliev AA, et al. **Genetika** 11(3):144–8, 1975 (Eng. Abstr.) **(Rus)**

[Inbreeding, endogamy and exogamy among relatives of schizophrenic patients] Abaskuliev AA, et al. **Genetika** 11(3):145–8, 1975 (Eng. Abstr.) **(Rus)**

[A medico–genetic study of the population of Western Pamir. IV, Several hereditary neuropsychiatric diseases among the population of the Bartang canyon] Nazarov KN, et al. **Genetika** 12(1):122–6, 1976 (Eng. Abstr.) **(Rus)**

[Possibility of using dermatoglyphic markers for assessment of genetic hypotheses in schizophrenia] Salastenko IuV, et al. **Genetika** 12(3):169–72, 1976 (Eng. Abstr.) **(Rus)**

[Inbreeding characteristics of thepopulation and the distribution of schizophrenia in one of the rural regions of Azerbaijan] Skoblo GV. **Genetika** 11(3):149–52, 1975 (Eng. Abstr.) **(Rus)**

[Inbreeding in the population and the spread of schizophrenia in one of the rural regions of Azerbaijan] Skoblo GV. **Genetika** 11(3):149–52, 1975 (Eng. Abstr.) **(Rus)**

Hereditary transferrin system in healthy subjects and schizophrenic patients] Sorokina TT. **Genetika** 12(3):173–4, 1976 (Eng. Abstr.) **(Rus)**

[Palmar dermatoglyphics in different phenotypic manifestations of schizophrenia] Dvirskiĭ AE. **Tsitol Genet** 9(3):195–200, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Sex chromatin content in schizophrenic women during insulin therapy] Kashirina LP. **Tsitol Genet** 10(1):6–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Classification of schizophrenia (historical review, current status)] Falek A, et al. **Vestn Akad Med Nauk SSSR** (9):8–15, 1975 (Eng. Abstr.) **(Rus)**

[Genetic aspects of schizophrenia—1 principal gene or multifactor model, nosological entity or theory of heterogenicity?] Inoue E. **Vestn Akad Med Nauk SSSR** (9):25–9, 1975 (Eng. Abstr.) **(Rus)**

[Geneological peculiarities of the clinical picture of schizophrenia] Melik–Pashaian MA, et al. **Vestn Akad Med Nauk SSSR** (9):30–2, 1975 (Eng. Abstr.) **(Rus)**

[Cytogenetic study of patients with schizophrenia] Nielsen J. **Vestn Akad Med Nauk SSSR** (9):64–8, 1975 (Eng. Abstr.) **(Rus)**

[Family backgrounds of patients with various forms of the course of schizophrenia] Shakhmatova–Pavlova IV. **Vestn Akad Med Nauk SSSR** (9):16–9, 1975 (Eng. Abstr.) **(Rus)**

[Developmental features of the children of schizophrenic parents] Butorina NE. **Zh Nevropatol Psikhiatr** 75(10):1506–11, 1975 (Eng. Abstr.) **(Rus)**

[Several aspects of the study of human embryo brains] Koliaskina GI, et al. **Zh Nevropatol Psikhiatr** 75(7):1079–82, 1975 (Eng. Abstr.) **(Rus)**

[Ultrastructural features of brain cells from the embryos of schizophrenic women] Orlovskaia DD, et al. **Zh Nevropatol Psikhiatr** 75(7):1041–4, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the ultra–fine structure of capillaries of the embryonic brain in the presence of schizophrenia in the mother] Orlovskaia DD, et al. **Zh Nevropatol Psikhiatr** 76(7):1043–6, 1976 (Eng. Abstr.) **(Rus)**

[Clinical genetic study of slowly progressing and malignant juvenile schizophrenia] Shenderova VL. **Zh Nevropatol Psikhiatr** 74(1):76–84, 1974 (Eng. Abstr.) **(Rus)**

[Family formation by schizophrenic and manic–depressive patients according to an epidemiologic study (birth rate)] Shmaonova LM, et al. **Zh Nevropatol Psikhiatr** 76(5):754–9, 1976 (Eng. Abstr.) **(Rus)**

HISTORY

[Psychiatric studies on the subject of schizophrenia at the Opava mental hospital from the beginnings of the 1st and 3d decades of the 20th century] Grumlík R, et al. **Cesk Psychiatr** 71(6):414–7, Dec 75 **(Cze)**

[Elements of Byzantine art in the works of Edmund Monsiel] Tyszkiewicz M. **Psychiatr Pol** 10(1):81–8, Jan–Feb 76 **(Pol)**

[The problem of a schizophrenic constitution as conceived by P. B. Gannushkin and current trends in the study of schizophrenia] Fridman BD. **Zh Nevropatol Psikhiatr** 75(4):590–1, 1975 **(Rus)**

IMMUNOLOGY

Schizophrenia susceptibility and HL–A antigen. Eberhard G, et al. **Neuropsychobiology** 1(4):211–7, 1975

[Changes in serum immunoglobulins in patients with chronic schizophrenia: statistical evaluation] Del Vecchio M, et al. **Acta Neurol (Napoli)** 30(5):483–96, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Skin reactivity to histamine in schizophrenics and other psychiatric patients] Szemis A. **Psychiatr Pol** 10(2):121–7, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Dynamics of immunoglobulins in the blood serum of patients with schizophrenia] Grbesha B, et al. **Vestn Akad Med Nauk SSSR** (9):40–2, 1975 (Eng. Abstr.) **(Rus)**

[Cellular mechanisms of autoimmunity in schizophrenia] Koliaskina GI. **Vestn Akad Med Nauk SSSR** (9):36–9, 1975 (Eng. Abstr.) **(Rus)**

[Clinico–immunologic correlations in a study of antithymic antibodies in schizophrenia] Domashneva IV, et al. **Zh Nevropatol Psikhiatr** 16(1):78–81, 1976 (Eng. Abstr.) **(Rus)**

[Cerebral auto–antigens in the serum of schizophrenic patients] Popova NA. **Zh Nevropatol Psikhiatr** 76(4):543–9, Apr 76 (Eng. Abstr.) **(Rus)**

[Depression and Herpex simplex infections] Carranza–Acevedo J, et al. **Arch Invest Med (Mex)** 7(1):17–22, 1976 (Eng. Abstr.) **(Spa)**

METABOLISM

The significance of some biochemical abnormalities in schizophrenia. Rodnight R. **Acta Neurol (Napoli)** 30(1):85–101, Jan–Feb 75

Biochemical aspects of schizophrenia. Stewart BM. **Am J Nurs** 75(12):2176–9, Dec 75

A test of the transmethylation hypothesis in acute schizophrenic patients. Carpenter WT Jr, et al. **Am J Psychiatry** 132(10):1067–71, Oct 75

The dopamine hypothesis of schizophrenia: focus on the dopamine receptor. Snyder SH. **Am J Psychiatry** 133(2):197–202, Feb 76

Biochemical abnormalities associated with schizophrenia. Smythies JR. **Br J Psychiatry** Spec No 9:41–7, 1975 (24 ref.)

Glucose–insulin metabolism in chronic schizophrenia. Brambilla F, et al. **Dis Nerv Syst** 37(2):98–103, Feb 76

Tryptophan metabolism and schizophrenia. pp. 209–27. Berlet HH.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. (188 ref.)

N–methylation of biogenic amines in the brain with 5–methyltetrahydrofolic acid as the methyl donor: a possible implication in schizophrenia. pp. 235–43. Laduron P.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Indole alkyl amines as psychotogen precursors — possible neurotransmitter imbalance. pp. 185–228. Domino EF.
In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975. (183 ref.)

Dimethyltryptamine: its biosynthesis and possible role in mental disease. pp. 175–83. Mandel LR.
In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.

Dopamine and the pharmacology of schizophrenia: the state of the evidence. pp. 107–13. Matthysse S.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Post–mortem fluorescence histochemistry of monoamine neuron systems in the human brain: a new approach in the search for a neuropathology of schizophrenia. pp. 199–203. Olson L.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Problems of interpretation in the chemical pathology of schizophrenia. pp. 265–72. Pope A.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Antischizophrenic drugs: affinity for muscarinic cholinergic receptor sites in the brain predicts extrapyramidal effects. pp. 91–5. Snyder SH, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Responsiveness of endocrine–energy metabolism systems in depression and schizophrenia: relationships to symptomatology. pp. 237–42. Heninger GR, et al.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Dysmethylation, a possible cause of schizophrenia? pp. 30–9. Bruinvels J.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Amphetamine psychosis: a useful model of schizophrenia? pp. 50–7. Munkvad I, et al.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

The dopamine hypothesis of schizophrenia. Some direct observations. pp. 81–98. van Praag HM, et al.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Biological transmethylation involving S–adenosylmethionine: development of assay methods and implications for neuropsychiatry. Baldessarini RJ. **Int Rev Neurobiol** 18:41–67, 1975 (119 ref.)

Recent progress in schizophrenia research. Smythies JR. **Lancet** 2(7977):136–9, 17 Jul 76

Norepinephrine reward pathways: role of self–stimulation, memory consolidation, and schizophrenia. Stein L. **Nebr Symp Motiv** 22:113–59, 1975 (105 ref.)

The common pathophysiology of monaminergic psychoses: a new hypothesis. Tissot R. **Neuropsychobiology** 1(4):243–60, 1975 (67 ref.)

Disturbances in tryptophan and serotonin metabolism in affective psychoses and schizophrenia. Pużyński S, et al. **Pol J Pharmacol Pharm** 27(Suppl):47–60, Oct 75 (83 ref.)

The Paul H. Hoch Award lecture: Progress toward an understanding of the biological substrates of schizophrenia. Kety SS. **Proc Am Psychopathol Assoc** (63):15–26, 1975 (52 ref.)

Glucose–insulin metabolism in chronic schizophrenia. Brambilla F, et al. **Prog Brain Res** 42:373–4, 1975

Clinical studies with dopamine–receptor stimulants. Angrist B, et al. **Psychopharmacologia** 44(3):273–80, 21 Nov 75

Critique of single amine theories: evidence of a cholinergic influence in the major mental illnesses. Davis JM. **Res Publ Assoc Res Nerv Ment Dis** 54:333–46, 1975

Studies of amine metabolites in affective illness and in schizophrenia: a comparative analysis. Goodwin FK, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:299–332, 1975 (149 ref.)

The dopamine hypothesis of schizophrenia: a review. Meltzer HY, et al. **Schizophrenia Bull** 2(1):19–76, 1976 (437 ref.)

Biochemical studies in schizophrenia. Meltzer HY. **Schizophrenia Bull** 2(1):10–8, 1976 (71 ref.)

[Hypothetical concept: the physiopathological entity of monoaminergic psychoses] Tissot R. **Encephale** 1(4):289–339, 1975 (Eng. Abstr.) **(Fre)**

[Schizophrenia and catecholamines] Chouinard G. **Union Med Can** 104(6):885–9, Jun 75 (Eng. Abstr.) **(Fre)**

[The contribution of drug research to the understanding of schizophrenia] Carlsson VA. **Wien Med Wochenschr** 125(21):308–17, 23 May 75 **(Ger)**

[Release of dopamine and symptoms of schizophrenia] Devis D. **Vestn Akad Med Nauk SSSR** (9):55–60, 1975 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Recovery of adenovirus type 7 from human brain cell cultures. Lord A, et al. **J Neurol Neurosurg Psychiatry** 38(7):710–2, Jul 75

The viral hypothesis of schizophrenia. Torrey EF, et al. **Schizophrenia Bull** 2(1):136–46, 1976

NURSING

Working with schizophrenic patients. Four A's: a guide to one–to–one relationships. Arnold HM. **Am J Nurs** 76(6):941–3, Jun 76

Nursing care study: schizophrenia. Vaughan C. **Nurs Times** 72(10):373–5, 11 Mar 76

OCCURRENCE

A follow–up study of a child psychiatric clientele with special regard to the diagnosis of psychosis. Dahl V. **Acta Psychiatr Scand** 54(2):106–12, Aug 76

Marital status and schizophrenia. Eaton WW. **Acta Psychiatr Scand** 52(5):320–9, Nov 75

Birthrates of schizophrenics following relatively warm versus relatively cool summers. McNeil T, et al. **Arch Psychiatr Nervenkr** 221(1):1–10, 23 Dec 75

The incidence of schizophrenia and severe psychological disorders in patients 10 years after cosmetic rhinoplasty. Gipson M, et al. **Br J Plast Surg** 28(3):155–9, Jul 75

Letter: psychiatry and sectarians. Beckford JA. **Br J Psychiatry** 127:414–5, Oct 75

Schizophrenia and schizophrenia–like states in the elderly. Kay DW. **Br J Psychiatry** Spec No 9:18–24, 1975 (32 ref.)

Demographic differences in functional psychoses. McCabe MS. **Br J Psychiatry** 127:320–3, Oct 75

Epidemiology of schizophrenia. Wing JK. **Br J Psychiatry** Spec No 9:25–31, 1975 (55 ref.)

Schizophrenia around the world. Tsuang MT. **Compr Psychiatry** 17(3):477–81, May–June 76

Schizophrenic disorders in Lebanon. Katchadourian HA, et al. **J Med Liban** 28(1):143–58, 1975

Schizophrenia and academic performance. Kadri ZN. **Med J Malaysia** 29(4):250–7, Jun 75

Culture and schizophrenia. Jablensky A, et al. **Psychol Med** 5(2):113–24, May 75

The international pilot study of schizophrenia.

Schizophrenia Bull (11):21–34, Winter 74

Aims of the International Pilot Study of Schizophrenia. **WHO Public Health Pap** (63):15–7, 1975

Schizophrenia: a multinational study. Introduction. **WHO Public Health Pap** (63):11–4, 1975

Schizophrenia: a multinational study. Characteristics of the study population. **WHO Public Health Pap** (63):39–45, 1975

[Late schizophrenia (author's transl)] Huber G, et al. **Arch Psychiatr Nervenkr** 221(1):53–66, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Intactness of the family of future schizophrenics: first results of an epidemiologic case–control group study] pp. 105–14. Abelin T.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

[Schizophrenia in the African countries] Collomb G. **Zh Nevropatol Psikhiatr** 75(9):1393–5, 1975 (Eng. Abstr.) **(Rus)**

[Clinical statistical indices of the course of juvenile malignant schizophrenia (based on epidemiological research data)] Moiseenko TK. **Zh Nevropatol Psikhiatr** 74(1):119–30, 1974 (Eng. Abstr.) **(Rus)**

[Results of a continuous study of a population of schizophrenic patients more than 60–years–old, registered at Moscow Psychoneurologic Dispensary No. 2] Molchanova EK, et al. **Zh Nevropatol Psikhiatr** 75(6):898–905, 1975 (Eng. Abstr.) **(Rus)**

[Clinical aspects and course of schizophrenia from the aspect of age] Nadzharov RA, et al. **Zh Nevropatol Psikhiatr** 75(9):1374–9, 1975 (Eng. Abstr.) **(Rus)**

[Comparative clinico–epidemiologic characteristics of affective psychoses and periodic schizophrenia] Panicheva EV. **Zh Nevropatol Psikhiatr** 75(4):550–8, 1975 (Eng. Abstr.) **(Rus)**

[Epidemiological problems of schizophrenia] Strömgren E. **Zh Nevropatol Psikhiatr** 75(9):1386–90, 1975 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Superior olivary complex in psychotic patients. Fisman M. **Psychol Med** 5(2):147–51, May 75

Neuromuscular abnormalities in the major mental illnesses. II. Muscle fiber and subterminal motor nerve abnormalities. Meltzer HY, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:189–207, 1975

[Ultrastructure of schizophrenic patients' lymph nodes] Averkin VS, et al. **Zh Nevropatol Psikhiatr** 76(7):1056–61, 1976 (Eng. Abstr.) **(Rus)**

[Morphology of the endocrine system in schizophrenia according to early autopsy findings (the hypophyseal–thyroid system)] Skoliarova NA. **Zh Nevropatol Psikhiatr** 75(7):1045–53, 1975 (Eng. Abstr.) **(Rus)**

[Morphologic characteristics of the pituitary–adrenal system in schizophrenia (according to early autopsy findings)] Skoliarova NA. **Zh Nevropatol Psikhiatr** 76(7):1046–55, 1976 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Gonadotropin response to synthetic gonadotropin hormone–releasing hormone (GnRH) in chronic schizophrenia. Brambilla F, et al. **Acta Psychiatr Scand** 54(2):131–45, Aug 76

Schizophrenia and stimulus intensity control. Landau SG, et al. **Arch Gen Psychiatry** 32(10):1239–45, Oct 75

Relationship between nailfold capillary patterns and finger blood flow in schizophrenic patients. Maricq HR. **Bibl Anat** 13:246–7, 1975

Amplitude of pupillary contraction as a function of intensity of illumination in schizophrenia. Rubin LS, et al. **Biol Psychiatry** 11(3):267–82, Jun 76

An electrophysiological view of schizophrenia. Shagass C. **Biol Psychiatry** 11(1):3–30, Feb 76

The cardiac responses of schizophrenics to orienting, signal and non–signal tones. Gruzelier JH. **Biol Psychol** 3(2):143–55, Sep 75

The cardiac responses of schizophrenics to orienting, signal and non–signal tones. Gruzelier JH. **Biol Psychol** 3(2):143–55, Sep 75

Poly–hormonal evaluationof pulsatile adenohypophysis incretory activity during sleep in normal, experimental and pathologic conditions. Isidori A, et al. **Chronobiologia** 3(1):39–50, Jan–Mar 76

Postimperative negative variation (PINV) in ambulatory schizophrenic patients. Chouinard G, et al. **Compr Psychiatry** 16(5):457–60, Sep–Oct 75

Pimozide and the social behavior of schizophrenics. Lapierre YD, et al. **Curr Ther Res** 18(1 pt 2):181–88, Jul 75

Proceedings: Behavioral correlates of EEG spectra from continuously recorded 24 h EEGs in schizophrenic and normal subjects. Stevens JR, et al. **Electroencephalogr Clin Neurophysiol** 39(4):431, Oct 75

Neuroleptics and dyskinesias. pp. 431–9. Villeneuve A, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Cholinergic and adrenergic balance in mania and schizophrenia. pp. 135–48. Davis JM, et al.
In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.

Psychoanalytic concepts and brain stimulation: a consideration of relevance. pp. 1–23. Glusman M.
In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975. (56 ref.)

Growth hormone secretion in schizophrenia. pp. 13–7. Brambilla F, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Stress and biological rhythm: their impact on pathophysiologic research strategy into schizophrenic illnesses. pp. 83–101. Fukuda T, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Brain work in presenile dementia and in chronic schizophrenia. pp. 478–97. Ingvar DH.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.

Central catecholamine neurons, behavior and neuroleptic drugs: an analysis to understand the involvement of catecholamines in schizophrenia. pp. 151–61. Fuxe K, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975. (46 ref.)

Consideration of some problems encountered in relating specific neurotransmitters to specific behaviors or disease. pp. 145–8. Reis DJ.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Gaba blockade, dopamine and schizophrenia: experimental activation of the mesolimbic system. Stevens JR. **Int J Neurol** 10(1–4):115–27, 1975

Skin conductance responding/nonresponding and pupiliometrics in chronic schizophrenia. A confirmation of Gruzelier and Venables. Patterson T. **J Nerv Ment Dis** 163(3):200–9, Sep 76

On the bimodality of the distribution of electrodermal orienting responses in schizophrenic patients. Zahn TP. **J Nerv Ment Dis** 162(3):195–9, Mar 76

Absence of activation in frontal structures during psychological testing of chronic schizophrenics. Franzén G, et al. **J Neurol Neurosurg Psychiatry** 38(10):1027–32, Oct 75

Abnormal distribution of cerebral activity in chronic schizophrenia. Franzén G, et al. **J Psychiatr Res** 12(3):199–214, Nov 75

Growth hormone secretion in chronic schizophrenia. Brambilla F, et al. **Neuropsychobiology** 1(5):267–76, 1975

Flicker fusion threshold in mental illness. Turner P. **NZ Med J** 82(545):98, 13 Aug 75

A note on conditional reflex studies of schizophrenia in France. Agathon M. **Pavlov J Biol Sci** 10(3):142–4, Jul–Sep 75

Electrodermal activity and schizophrenia: the problem of stimulus intensity modulation. Depue RA, et al. **Psychol Bull** 83(2):192–3, Mar 76

Electrodermal recovery rate in a schizophrenic population. Maricq HR, et al. **Psychophysiology** 12(6):630–3, Nov 75

Skin conductance recovery and pupillometrics in chronic schizophrenia. Patterson T. **Psychophysiology** 13(3):189–95, May 76

Limbic system–adrenal cortex regulation in depression and schizophrenia. Carroll BJ. **Psychosom Med** 38(2):106–21, Mar–Apr 76

Average evoked response augmenting/reducing in schizophrenia and affective disorders. Buchsbaum M. **Res Publ Assoc Res Nerv Ment Dis** 54:129–42, 1975 (73 ref.)

Smooth–pursuit eye movements in schizophrenia: recent findings. Holzman PS.
Res Publ Assoc Res Nerv Ment Dis 54:217–31, 1975

EEG and evoked potentials in the psychoses. Shagass C. **Res Publ Assoc Res Nerv Ment Dis** 54:101–27, 1975 (114 ref.)

Electrodermal correlates of extraversion, trait anxiety and schizophrenism. Nielsen TC, et al. **Scand J Psychol** 17(2):73–80, 1976

[Long–term course of schizophrenic psychoses. Joint results of two studies] Bleuler M, et al. **Nervenarzt** 47(8):477–81, Aug 76 **(Ger)**

[Study of thyrotropic function by the radioimmunological method in schizophrenic and oligophrenic subjects] Cedrola G, et al. **Acta Neurol (Napoli)** 29(6):691–7, Nov–Dec 74 **(Ita)**

[Anterior pituitary gonadotropin activity in subjects with chronic schizophrenia] Salvadorini F, et al. **Riv Patol Nerv Ment** 95(3):141–4, Jun 74 (Eng. Abstr.) **(Ita)**

[Difference in the range of activation between schizophrenic patients and normal subjects] Grzesiuk L. **Psychiatr Pol** 9(5):543–53, Sep–Oct 75 **(Pol)**

[Research on some relationships between epilepsy and schizoid syndromes] Asigian B, et al. **Rev Med Intern [Neurol Psihiatr]** 19(4):305–16, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Functional asymmetry of the cerebral hemispheres in clinical variants of schizophrenia] Dvirskii AE. **Zh Nevropatol Psikhiatr** 76(4):539–42, Apr 76 (Eng. Abstr.) **(Rus)**

[A model of pathological states of the sensory system] Korzh NN, et al. **Zh Nevropatol Psikhiatr** 75(11):1660–5, 1975 (Eng. Abstr.) **(Rus)**

[The relationship between cerebral electroactivity in schizophrenic patients and age and genetic factors] Leibovich FA. **Zh Nevropatol Psikhiatr** 75(4):543–50, 1975 (Eng. Abstr.) **(Rus)**

[Clinical structure of the initial stages of schizophrenia developing against a background of residual cerebral insufficiency] Mikhlin VM. **Zh Nevropatol Psikhiatr** 74(3):423–9, 1974 (Eng. Abstr.) **(Rus)**

[Features and dynamics of changes in the bioelectrical activity of the brain in children and adolescents ill with shift–like schizophrenia] Siundiukova ZD. **Zh Nevropatol Psikhiatr** 75(10):1515–9, 1975 (Eng. Abstr.) **(Rus)**

[Some characteristics of the peripheral microcirculation and capillary permeability in schizophrenia] Smirnov VK. **Zh Nevropatol Psikhiatr** 74(3):406–12, 1974 (Eng. Abstr.) **(Rus)**

[Simple form of schizophrenia and the characteristics of the aggressive behavior of patients from the aspect of clinical forensic psychiatry] Timofeev NN, et al. **Zh Nevropatol Psikhiatr** 74(3):429–33, 1974 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Overview: maintenance therapy in psychiatry: I. Schizophrenia. Davis JM. **Am J Psychiatry** 132(12):1237–45, Dec 75 (62 ref.)

Sociotherapy and the prevention of relapse among schizophrenic patients: an artifact of drug? Hogarty GE, et al. **Proc Am Psychopathol Assoc** (64):285–93, 1976

Maintenance antipsychotic drugs do prevent relapse: a reply to Tobias and MacDonald. Davis JM, et al. **Psychol Bull** 83(3):431–47, May 76 (39 ref.)

Withdrawal causes relapse? Our response. MacDonald ML, et al. **Psychol Bull** 83(3):448–51, May 76

Prevention of recidivism of schizophrenics treated with fluphenazine enanthate. del Giudice J, et al. **Psychosomatics** 16(1):32–6, 1975

Letter: Radical notion. Gamble KR. **Schizophrenia Bull** (11):16, Winter 74

[Reflections on the possibilities of therapeutic and preventive approaches to children of schizophrenic mothers] Masson O. **Rev Neuropsychiatr Infant** 24(1–2):5–16, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Prevention of relapse in the era of depot neuroleptics and social psychiatry] Schindler R. **Nervenarzt** 47(5):347–50, May 76 **(Ger)**

REHABILITATION

Acupuncture tonification: adjunct in psychiatric rehabilitation. Esser AH, et al. **Am J Chin Med** 4(1):73–9, Spring 76

Selective group approaches with psychotic patients in hospital settings. Leopold HS. **Am J Psychother** 30(1):95–102, Jan 76

Social performance and readmission in acute and chronic schizophrenics: comparison of two approaches. Serban G, et al. **Behav Neuropsychiatry** 7(1–12):6–12, Apr–Mar 75–76

Effects of vicarious reward and punishment on social imitation in chronic psychotics. Chartier GM, et al. **Behav Res Ther** 14(4):303–4, 1976

Issues in developing quality aftercare clinics for the chronic mentally ill. Donlon PT, et al. **Community Ment Health J** 12(1):29–36, Spring 76

The relationship between anamnestic factors and the course of schizophrenia. Müller C, et al. **Compr Psychiatry** 17(3):387–93, May–June 76

The effects of vicarious reinforcement on modeling by schizophrenic hospital patients. Keyes MJ, et al. **J Clin Psychol** 31(3):413–5, Jul 75

Migration and outcome in schizophrenia. Roff JD. **J Clin Psychol** 32(3):519–22, Jul 76

Establishment of praise as a reinforcer in chronic schizophrenics. Caulfield JB, et al. **J Consult Clin Psychol** 44(1):61–7, Feb 76

Behaviour and rehabilitation. Development of an in–service training course. Butler RJ, et al. **Nurs Times** 72(5):191–3, 5 Feb 76

Model–facilitated cooperative behavior in regressed schizophrenics. Bergman RL, et al. **Percept Mot Skills** 40(3):894, Jun 75

The rehospitalization of discharged schizophrenic patients. De Falco ML. **Perspect Psychiatr Care** 13(3):130–5, Jul–Sep 75

A step–system treatment milieu and discharges from a chronic schizophrenic ward. Bergman RL. **Psychol Rep** 38(1):309–10, Feb 76

Issues in milieu treatment. Almond R. **Schizophrenia Bull** (13):12–26, Summer 75

Structured learning therapy--skill training for schizophrenics. Goldstein AP, et al. **Schizophrenia Bull** 14:83–6, Fall 75

[Influencing depressive syndromes in schizophrenic patients in the framework of rehabilitation using music therapy activities] pp. 213–21. Pieschl D.
In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973. **(Ger)**

[Management of schizophrenic patients outside the hospital: results of research and basic principles] Hirsch SR. **Nervenarzt** 47(8):469–76, Aug 76 **(Ger)**

[Employers' evaluation of occupational therapy outside the

hospital] Watanabe A, et al. **Psychiatr Neurol Jpn** 77(11):781–6, 25 Nov 75 **(Jpn)**

[Usefulness of music therapy in psycho–diagnosis and early rehabilitation of schizophrenics] Wdowiak L, et al. **Psychiatr Pol** 9(4):431–4, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

THERAPY

Community care and the prognosis of schizophrenia. Cottman SB, et al. **Acta Psychiatr Scand** 53(2):95–104, Feb 76

Changes of associative performance in hospitalized schizophrenics: a 16–year follow–up. Flekkoy K. **Acta Psychiatr Scand** 52(5):330–5, Nov 75

The token economy in the National Health Service: possibilities and limitations. Presly AS, et al. **Acta Psychiatr Scand** 53(4):258–70, Apr 76

Experimental hypnosis in a clinical setting: a report of the atypical use of hypnosis in the treatment of a disturbed adolescent. Plapp JM. **Am J Clin Hypn** 18(3):145–52, Jan 76

Hypnotherapy with schizophrenic and borderline patients: summary of therapy with eight patients. Scagnelli J. **Am J Clin Hypn** 19(1):33–8, Jul 76

Schizophrenic patients: activity groups as therapy. Lancaster J. **Am J Nurs** 76(6):947–9, Jun 76

Behavior modification in a state mental hospital: a participant–observer's critique. Biklen DP. **Am J Orthopsychiatry** 46(1):53–61, Jan 76

Short versus long hospitalization: a propspective controlled study. IV. One–year follow–up results for schizophrenie patients. Glick ID, et al. **Am J Psychiatry** 133(5):509–14, May 76

Rational treatment for an irrational disorder: what does the schizophrenic patient need? May PR. **Am J Psychiatry** 133(9):1008–12, Sep 76 (Eng. Abstr.)

Crucial problems in psychotherapy of schizophrenia. Benedetti G. **Am J Psychoanal** 36(1):67–77, Spring 76

Five–year results of psychoanalytic therapy and day care for acute schizophrenic patients. Rubins JL. **Am J Psychoanal** 36(1):3–26, Spring 76

A possible subgroup of the schizophrenic syndrome and implications for treatment. Bellak L. **Am J Psychother** 30(2):194–205, Apr 76

The use of psychodrama in the hospital setting. Schatzberg AF, et al. **Am J Psychother** 28(4):553–65, Oct 74

Resistance interruption in programmed psychotherapy. Young GG. **Am J Psychother** 29(4):535–49, Oct 75

Schizophrenia—a follow–up study of results of treatment. I. Design and other problems. May PR, et al. **Arch Gen Psychiatry** 33(4):474–8, Apr 76

Schizophrenia—a follow–up study of results of treatment. May PR, et al. **Arch Gen Psychiatry** 33(4):481–6, Apr 76

Concordance of multiple assessments of the outcome of schizophrenia. On defining the dependent variable in outcome studies. Schwartz CC, et al. **Arch Gen Psychiatry** 32(10):1221–7, Oct 75

Self–disclosure in group therapy with schizophrenics. Strassberg DS, et al. **Arch Gen Psychiatry** 32(10):1259–61, Oct 75

A behaviour modification project with chronic schizophrenics in the community. Hudson BL. **Behav Res Ther** 13(4):339–41, Oct 75

The management of schizophrenia. Bennett DH. **Br J Psychiatry** Spec No 9:48–54, 1975 (38 ref.)

Attitude to psychiatric treatment before suicide in schizophrenia and paranoid psychoses. Virkkunen M. **Br J Psychiatry** 128:47–9, Jan 76

Reversing the process of thought disorder: a serial validation experiment. Bannister D, et al. **Br J Soc Clin Psychol** 14(2):169–80, Jun 75

How to fail in the treatment of schizophrenic people: a primer. Camenietzki S, et al. **Bull Menninger Clin** 40(2):118–24, Mar 76

Unilateral and bilateral ECT: EEG findings. Marjerrison G, et al. **Can Psychiatr Assoc J** 20(4):257–66, Jun 75

Bilateral and non–dominant unilateral ECT. Part II — Development of prograde effects. Reichert H, et al. **Can Psychiatr Assoc J** 21(2):79–86, Mar 76

Functioning ability in schizophrenic and 'normal' subjects: short–term prediction for rehospitalization of schizophrenics. Serban G. **Compr Psychiatry** 16(5):447–56, Sep–Oct 75

Soteria: an alternative to hospitalization for schizophrenia. Mosher LR, et al. **Curr Psychiatr Ther** 15:287–96, 1975

Reinstatement of verbal behavior in elderly mental patients using operant procedures. Hoyer WJ, et al. **Gerontologist** 14(2):149–52, Apr 74

Combining activities and group psychotherapy in the treatment of chronic schizophrenics. Moriarty J. **Hosp Community Psychiatry** 27(8):574–6, Aug 76

Camping as a therapeutic experience for depressed and schizophrenic patients. Shearer RM. **Hosp Community Psychiatry** 26(8):494–497, Aug 75

Origins of a Jungian–oriented therapeutic community for schizophrenic patients. Wilmer HA. **Hosp Community Psychiatry** 27(5):338–42, May 76

Sociotherapy and the prevention of relapse among schizophrenic patients: an artifact of drug? PP. 285–93. Hogarty GE, et al. **In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.**

The Paul H. Hoch award lecture: a followup study of the results of treatment of schizophrenia. pp. 256–84. May PR, et al. **In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.**

Relaxing and encouraging suggestions given to hospitalized chronic schizophrenics. Ihalainen O, et al. **Int J Clin Exp Hypn** 24(3):228–37, Jul 76

Transference in psychotherapy with schizophrenic patients. Gootnick I. **Int J Group Psychother** 25(4):379–88, Oct 75

Differential recovery of intellectual, associational, and psychophysiological functioning in withdrawn and active schizophrenics. Depue RA, et al. **J Abnorm Psychol** 84(4):325–30, Aug 75

The orthomolecular approach to schizophrenia. Pratt WA. **J Am Osteopath Assoc** 75(2):199–205, Oct 75

Effects of phenothiazines and social skills training in a withdrawn schizophrenic. Hersen M, et al. **J Clin Psychol** 31(4):588–94, Oct 75

Therapy with eight schizophrenic and borderline patients: summary of a therapy approach that employs a semi–symbiotic bond between patient and therapist. Scagnelli J. **J Clin Psychol** 31(3):519–25, Jul 75

Distinction in a sample of prominent psychotherapists. Geller JD, et al. **J Consult Clin Psychol** 44(1):77–82, Feb 76

Effects of inducing body awareness in chronic schizophrenics: body boundary changes. Muzekari LH, et al. **J Consult Clin Psychol** 43(3):435–6, Jun 75

Change in a schizophrenic adolescent as a result of a series of rage–reduction treatments. Carpenter JC. **J Nerv Ment Dis** 162(1):58–64, Jan 76

A clinical application of subliminal psychodynamic activation. On the stimulation of symbiotic fantasies as an adjunct in the treatment of hospitalized schizophrenics. Silverman LH, et al. **J Nerv Ment Dis** 161(6):379–92, Dec 75

Associative changes in hospitalized schizophrenics during a 16–year period. Flekkoy K. **Neuropsychobiology** 1(1):41–6, 1975

Prolonged clinical and experimental follow–up of hospitalized schizophrenics. Flekkoy K, et al. **Neuropsychobiology** 1(1):47–58, 1975

A patient for behaviour modification. Broome A, et al. **Nurs Times** 72(15):580–1, 15 Apr 76

Schizophrenia: an end to relapses. Stanford J. **Nurs Times** 72(11):418–20, 18 Mar 76

Schizophrenia. Treatment in therapeutic community. Jeffrey WD, et al. **NY State J Med** 76(3):384–90, Mar 76

The psychodynamics of the 'holiday syndrome'. Sattin SM. **Perspect Psychiatr Care** 13(4):156–62, Oct–Dec 75

The Paul H. Hoch Award Lecture: a followup study of the results of treatment of schizophrenia. May PR, et al. **Proc Am Psychopathol Assoc** (64):256–84, 1976

Theoretical models and the treatment of the schizophrenias; Holzman PS. **Psychol Issues** 9(4):134–57, 1976

Long–acting phenothiazine and social therapy in the community treatment of acute schizophrenics. Goldstein MJ, et al. **Psychopharmacol Bull** 11(4):37–8, Oct 75

Clinical phenomenology in the functional psychoses. Bowers MB Jr. **Res Publ Assoc Res Nerv Ment Dis** 54:1–8, 1975

Family and social management of schizophrenia. Beels CC. **Schizophrenia Bull** (13):97–118, Summer 75

Behavioral therapies and the treatment of schizophrenics. Hagen RL. **Schizophrenia Bull** (13):70–96, Summer 75 (146 ref.)

Patterns of psychiatric utilization by diagnosed schizophrenics in the Kansas City area. Hornstra RK, et al. **Schizophrenia Bull** (9):133–47, Summer 74

Letter: Psychotherapy for schizophrenics—a reply. Karon BP. **Schizophrenia Bull** (9):10, Summer 74

Toward an integrated treatment of schizophrenia. Kayton L. **Schizophrenia Bull** (12):60–70, Spring 75

The myth of schizophrenic art. McNiff SA. **Schizophrenia Bull** (9):12–3, Summer 74

Psychotherapy research in schizophrenia—another view of present reality. May PR. **Schizophrenia Bull** (9):126–32, Summer 74

Lepers, madmen—who's next? Mendel WM. **Schizophrenia Bull** (11):5–8, Winter 74

Group therapy for schizophrenia: a practical approach. O'Brien CP. **Schizophrenia Bull** (13):119–30, Summer 75

The lounge: treatment for chronic schizophrenics. Parras A. **Schizophrenia Bull** (10):93–6, Fall 74

An individualized psychotherapeutic approach with the schizophrenic patient. Schulz CG. **Schizophrenia Bull** (13):46–69, Summer 75

[Psychotherapy of chronic schizophrenic patients with personality defect in ambulant conditions (author's transl)] Tondlová H. **Cesk Psychiatr** 72(1):51–4, Feb 76 (Eng. Abstr.) **(Cze)**

[Are day units suitable for treatment of acute schizophrenic breaks? (author's transl)] Figueiredo E, et al. **Praxis** 65(5):142–6, 3 Feb 76 (Eng. Abstr.) **(Fre)**

[Body–centered group psychotherapy in acute schizophrenics. Evaluation by rating of ego functions (Bellak et al., 1973)] Maurer–Groeli YA. **Arch Psychiatr Nervenkr** 221(3):259–71, 30 Apr 76 (Eng. Abstr.) **(Ger)**

[Out–patient treatment and prognosis schizophrenic patients after first hospitalization (author's transl)] Müller P, et al. **Fortschr Neurol Psychiatr** 43(4):210–20, Apr 75 (Eng. Abstr.) **(Ger)**

[Psychotherapy in schizophrenic processes] pp 177–82. Syristová E. **In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.** **(Ger)**

[Long–term therapy of schizophrenia] Peters UH. **Med Welt** 26(25):1234–6, 20 Jun 75 **(Ger)**

[Experiences with the families of schizophrenic patients] Borens R. **Schweiz Arch Neurol Neurochir Psychiatr** 115(2):323–36, 1974 (Eng. Abstr.) **(Ger)**

[Group therapy with schizophrenics. Introduction and theory of body–centered group psychotherapy with schizophrenic patients] Maurer–Groeli YA. **Schweiz Arch Neurol Neurochir Psychiatr** 117(2):309–24, 1975 (Eng. Abstr.) **(Ger)**

[Biography, experiences and therapy of a schizophrenic girl (author's transl)] Castelberg M. **Ther Umsch** 33(7):489–503, Jul 76 (Eng. Abstr.) **(Ger)**

[Presentation of a therapy of schizophrenia (author's transl)] Jaenicke U. **Ther Umsch** 33(7):480–8, Jul 76 (Eng. Abstr.) **(Ger)**

[The psychopathology of schizophrenia—a way to therapy (author's transl)] Scharfetter C. **Ther Umsch** 33(7):465–71, Jul 76 (Eng. Abstr.) **(Ger)**

['Behavior–analytical' treatment in severely defective schizophrenic patients] Nishimaru S. **Z Klin Psychol Psychother** 24(1):43–8, 1976 (Eng. Abstr.) **(Ger)**

[Psychotherapy and drugs—with special reference to the hospital treatment of schizophrenia] Ishii T. **Psychiatr Neurol Jpn** 76(10):678–80, 25 Oct 74 **(Jpn)**

[Toward the establishment of a therapeutic community—introduction of educational ideas into therapeutic system] Mifune M. **Psychiatr Neurol Jpn** 77(11):786–90, 25 Nov 75 **(Jpn)**

[Academic achievements of persons hospitalized because of schizophrenia] Gerard K, et al. **Psychiatr Pol** 9(4):407–16, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Evaluation of the public health services concerned with the treatment of schizophrenic patients: an epidemiological approach] Wing JK. **Zh Nevropatol Psikhiatr** 75(9):1390–3, 1975 (Eng. Abstr.) **(Rus)**

[Electroencephalographic evolution and its clinical correlation in patients treated with electroshock] Dorazco–Valdés J, et al. **Gac Med Mex** 110(2):115–9, Aug 75 **(Spa)**

[Mechanical and purposeful treatment] Böhm T, et al. **Lakartidningen** 72(42):4026–7, 15 Oct 75 **(Swe)**

[Faith or knowledge?] Holmberg G. **Lakartidningen** 72(34):3128, 20 Aug 75 **(Swe)**

[Real disease—realistic therapy] Holmberg G. **Lakartidningen** 72(40):3800, 1 Oct 75 **(Swe)**

[Discussion therapy with schizophrenic patients at Säter hospital] Norell I, et al. **Lakartidningen** 72(33):3066–9, 13 Aug 75 (Eng. Abstr.) **(Swe)**

URINE

Letter: Urinary kryptopyrrole. Sohler A. **Biol Psychiatry** 10(6):685–6, Dec 75

[Urinary excretion of chlorpromazine metabolites: clinico–chemical correlations] Kanabus P, et al. **Psychiatr Pol** 9(6):621–7, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Excretion of catecholamines and tryptophan derivatives in schizophrenia] Mileikovskii IuA. **Zh Nevropatol Psikhiatr** 76(5):710–4, 1976 (Eng. Abstr.) **(Rus)**

SCHIZOPHRENIA, CATATONIC

Application of the describing function of the Danziger–Elmergreen equations. MacDonald N. **Bull Math Biol** 38(4):453–8, 1976

The revolving door. Knauth P. **MH** 59(4):13–6, Fall–Winter 75

COMPLICATIONS

Catatonia, gastric hyperacidity, and fatal aspiration: a preventable syndrome. Bort RF. **Am J Psychiatry** 133(4):446–7, Apr 76

DIAGNOSIS

Diagnostic consistency in catatonic schizophrenia. Guggenheim FG, et al. **Schizophrenia Bull** (11):103–8, Winter 74

DRUG THERAPY

L–Dopa and schizophrenia. Garfinkel PE, et al. **Can Psychiatr Assoc J** 21(1):27–9, Feb 76

HISTORY

Letter: Catatonia. Freyhan FA. **Biol Psychiatry** 11(1):115–6, Feb 76

SCHIZOPHRENIA, CHILDHOOD

A ten–year follow–up of children of schizophrenic mothers. Clinical assessment. Schulsinger H. **Acta Psychiatr Scand** 53(5):371–86, May 76

Editorial: May, 1976—hypertension month. Lapin JH. **NY State J Med** 76(5):669–70, May 76

Schizophrenic spectrum disorders in the families of schizophrenic children. Bender L.

Proc Am Psychopathol Assoc (63):125–34, 1975

[Methodological problems posed by childhood, schizophrenia and the concept of schizophrenia in USSR] Seabra-Dinis T. **Rev Neuropsychiatr Infant** 23(12):843–53, Dec 75 **(Fre)**

[Rearing behavior of parents of schizophrenic juveniles] Henschel H. **Psychiatr Neurol Med Psychol (Leipz)** 27(8):493–9, Aug 75 (Eng. Abstr.) **(Ger)**

[Concept formation in children with schizophrenia (from Piaget test material)] Lebedinskiĭ VV, et al. **Zh Nevropatol Psikhiatr** 75(11):1673–7, 1975 (Eng. Abstr.) **(Rus)**

BLOOD

Blood serotonin in schizophrenic children. A preliminary study. Campbell M, et al. **Int Pharmacopsychiatry** 10(4):213–21, 1975

COMPLICATIONS

Self-injurious behavior in schizophrenic and retarded children. Frankel F, et al. **Am J Ment Defic** 80(5):512–22, Mar 76

Stimulus control of self-destructive behavior in a psychotic child. Carr EG, et al. **J Abnorm Child Psychol** 4(2):139–53, 1976

Biologic antecedents of psychosis in children. Fish B. **Res Publ Assoc Res Nerv Ment Dis** 54:49–83, 1975 (71 ref.)

[Problems of transvestism manifestations in childhood] Bräuerová E, et al. **Cesk Pediatr** 31(1):20–1, Jan 76 (Eng. Abstr.) **(Cze)**

[Some peculiarities of depressions in childhood schizophrenias (author's transl)] Vrono MS. **Acta Paedopsychiatr (Basel)** 41(6):218–23, 1975 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

A longitudinal psychophysiological study of three-year-old Mauritian children: preliminary report. Bell B, et al. **Dev Med Child Neurol** 17(3):320–4, Jun 75

Regressive childhood psychosis. Sakamoto M. **Folia Psychiatr Neurol Jpn** 29(2):145–8, 1975

Childhood psychosis. The problem of differential diagnosis. Davids A. **J Autism Child Schizo** 5(2):129–38, Jun 75

Concept usage in schizophrenic children. Walker HA, et al. **J Autism Child Schizo** 5(2):155–67, Jun 75

[Pedophrenia] Aubin H. **Ann Med Psychol (Paris)** 2(5):893–905, Dec 75 (Eng. Abstr.) **(Fre)**

[The problem of apparent schizophrenic symptoms in juveniles] Preiss W. **Psychiatr Neurol Med Psychol (Leipz)** 27(2):108–14, Feb 75 (Eng. Abstr.) **(Ger)**

[Kanner's syndrome and childhood schizophrenia] Vrono MSh, et al. **Zh Nevropatol Psikhiatr** 75(9):1379–83, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Levodopa and levoamphetamine: a crossover study in young schizophrenic children. Campbell M, et al. **Curr Ther Res** 19(1):70–86, Jan 76

[Psychopathology of schizophrenia in children and adolescents in relation to psychopharmacotherapy (author's transl)] Pogády J, et al. **Cesk Psychiatr** 71(6):353–9, Dec 75 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Dan is schizophrenic. Possible causes, probable course. Ostendorf M. **Am J Nurs** 76(6):944–7, Jun 76

Early infantile autism. Relation to schizophrenia. King PD. **J Am Acad Child Psychiatry** 14(4):666–82, Autumn 75

[About probable causes of early manifestation of schizophrenia (author's transl)] Nazarov KN, et al. **Cesk Psychiatr** 71(2–3):84–91, Jun 75 (Eng. Abstr.) **(Cze)**

[Dementia syndrome with delirium delusions. Lasting sequelae of a cured epileptic state with coma in an 8 year old child] Kohler C, et al. **Rev Neuropsychiatr Infant** 23(3–4):217–31, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Analysis of some genotypic and environmental causes for the early onset of schizophrenia] Nazarov KN, et al. **Zh Nevropatol Psikhiatr** 74(1):70–5, 1974 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Ethical and legal considerations in high risk studies of schizophrenia. Curran WJ. **Schizophrenia Bull** (10):74–92, Fall 74 (43 ref.)

Children at risk: the search for the antecedents of schizophrenia. Part II: ongoing research programs, issues, and intervention. Garmezy N. **Schizophrenia Bull** (9):55–125, Summer 74 (229 ref.)

[Clinical features of schizophrenia in children and adolescents with dysplastic papillary patterns of the skin of the fingers and palms] Lukasheva ID. **Zh Nevropatol Psikhiatr** 75(10):1511–5, 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Role of immunoglobulin research in studies of the clinical pattern, pathogenesis and therapy of schizophrenia] Semenov SF, et al. **Vestn Akad Med Nauk SSSR** (9):42–7, 1975 (Eng. Abstr.) **(Rus)**

METABOLISM

Biochemistry and schizophrenia III. A review of childhood psychosis. Guthrie RD, et al. **Schizophrenia Bull** (12):18–32, Spring 75 (71 ref.)

PATHOLOGY

Electron microscopic data in a child with a schizophreniform syndrome appearing against a background of preexisting psychomotor retardation. Arseni C, et al. **Rev Roum Med [Neurol Psychiatr]** 13(2):95–9, 1975

PREVENTION & CONTROL

An approach to prevention in infants at risk for schizophrenia. Developmental deviations from birth to 10 years. Fish B. **J Am Acad Child Psychiatry** 15(1):62–82, Winter 76

REHABILITATION

Migration and outcome in schizophrenia. Roff JD. **J Clin Psychol** 32(3):519–22, Jul 76

THERAPY

The use of symbolic drawing, metaphor and illusion in a therapeutic-creative process. Sikelianos M. **Isr Ann Psychiatry** 13(2):142–61, Jun 75

Control of echolalic speech in psychotic children. Carr EG, et al. **J Abnorm Child Psychol** 3(4):331–51, 1975

A therapeutic milieu for establishing and expanding communicative behaviors in psychotic children. Ratusnik CM, et al. **J Speech Hear Disord** 41(1):70–72, Feb 76

[Schizophrenic adolescents in the struggle for separation and individuation] Ekstein R. **Psyche (Stuttg)** 29(5):445–69, May 75 **(Ger)**

SCHIZOPHRENIA, HEBEPHRENIC

DIAGNOSIS

[Pedophrenia] Aubin H. **Ann Med Psychol (Paris)** 2(5):893–905, Dec 75 (Eng. Abstr.) **(Fre)**

[Social environment and the symptoms of 2 groups of schizophrenics] Petho B. **Ann Med Psychol (Paris)** 2(1):153–66, Jun 75 **(Fre)**

[Probability-critical case diagnosis in psychiatry represented by the example of hebephrenia] Steinmeyer EM. **Z Exp Angew Psychol** 23(2):271–83, 1976 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Letter: Leptospirosis hardjo. Avery TL. **NZ Med J** 83(560):208, 24 Mar 76

FAMILIAL & GENETIC

[Genetic differentiation between paranoid and hebephrenic schizophrenia] Vinokur D. **Vestn Akad Med Nauk SSSR** (9):32–6, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Hebephrenic psychotic picture with EEG changes over the temporal region] Kocijan D, et al. **Neuropsihijatrija** 22(1–4):117–21, 1974 (Eng. Abstr.) **(Cro)**

THERAPY

Treatment of a 15 year old hebephrenic girl in a community hospital. Bauer W. **Dis Nerv Syst** 37(8):474–6, Aug 76

[Aspects of psychoanalytic and behavioral procedures in chronic schizophrenics as illustrated by a case presentation (author's transl)] Neis L, et al. **Psychother Med Psychol (Stuttg)** 25(3):72–80, May 75 (Eng. Abstr.) **(Ger)**

SCHIZOPHRENIA, LATENT

Anger, anhedonia, and the borderline syndrome. Miller F. **Am J Psychoanal** 35(2):157–61, Summer 75

COMPLICATIONS

Minor physical anomalies in normal, neurotic, learning disabled, and severely disturbed children. Steg JP, et al. **J Autism Child Schizo** 5(4):299–307, Dec 75

[Clinical characteristics of psychopathic and neurotic manifestations in slowly progressing schizophrenia in old age] Sukhovskiĭ AA. **Zh Nevropatol Psikhiatr** 74(1):94–9, 1974 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Borderline and schizophrenic patients: A comparative study. Gunderson JG, et al. **Am J Psychiatry** 132(12):1257–64, Dec 75

Transitory or pseudo-organicity and borderline personality in a 7-year-old child. Lewis M. **J Am Acad Child Psychiatry** 15(1):131–8, Winter 76

Childhood roots of schizophrenia. Watt NF, et al. **J Consult Clin Psychol** 44(3):363–75, Jun 76

Disturbed preschizophrenics. Childhood symptoms in relation to adult outcome. Roff JD, et al. **J Nerv Ment Dis** 162(4):274–81, Apr 76

[Problems in the differential diagnosis of the inital stages of schizophrenia] Sirbu A, et al. **Rev Med Intern [Neurol Psihiatr]** 19(4):301–4, Jul-Sep 74 **(Rum)**

[Clinical differentiation of borderline states] Felinskaia NI. **Zh Nevropatol Psikhiatr** 76(6):875–9, 1976 **(Rus)**

[Clinical aspects and the differential diagnosis of the pubertal crisis in psychopathies and torpidly progressing schizophrenia] Freĭerov OE, et al. **Zh Nevropatol Psikhiatr** 74(1):84–9, 1974 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Comparative characteristics of social adaptation in the dynamics of torpidly progressing schizophrenia and neuroses (based on epidemiological research data)] Gladkova KI, et al. **Zh Nevropatol Psikhiatr** 74(1):130–4, 1974 (Eng. Abstr.) **(Rus)**

THERAPY

Hypnotherapy with schizophrenic and borderline patients: summary of therapy with eight patients. Scagnelli J. **Am J Clin Hypn** 19(1):33–8, Jul 76

Psychotherapy of borderline patients: the influence of theory on technique. Friedman HJ. **Am J Psychiatry** 132(10):1048–52, Oct 75

SCHIZOPHRENIA, PARANOID

Conformity and psychopathology: a comparative study of conformity behaviors in manic-depressive, paranoid schizophrenic and normal populations. Marsella AJ. **J Clin Psychol** 31(3):402–8, Jul 75

[Disintegration of condition episodes of paranoid behavior. 'Nonsensical actions' according to Conrad] Glatzel J. **Schweiz Arch Neurol Neurochir Psychiatr** 117(1):109–21, 1975 **(Ger)**

[Relationship between delusions of grandeur and paranoid delusions in the paranoid syndrome] Levinson AIa. **Zh Nevropatol Psikhiatr** 76(6):880–4, 1976 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Letter: Psychosis in patient on bromocriptine and levodopa with carbidopa. Lipper S. **Lancet** 2(7985):571–2, 11 Sep 76

COMPLICATIONS

Solar retinopathy. Galainena ML. **Ann Ophthalmol** 8(3):304–6, Mar 76

Cognitive differentiation between paranoid and nonparanoid schizophrenics. Ross MB, et al. **Psychol Rep** 38(3 pt. 1):991–4, Jun 76

Cystic hemangioma of the spleen in a schizophrenic patient. Bodedain W. **South Med J** 69(6):805–7, Jun 76

DIAGNOSIS

Cannabis psychosis and paranoid schizophrenia. Thacore VR, et al. **Arch Gen Psychiatry** 33(3):383–6, Mar 76

The integration defects in paranoid and nonparanoid schizophrenia. McDowell D, et al. **J Abnorm Psychol** 84(6):629–36, Dec 75

Paranoid integration and thought disorder. Gamble KR. **J Clin Psychol** 31(4):604–7, Oct 75

The relation between premorbid competence and paranoid-nonparanoid status in schizophrenia: a methodological and theoretical critique. Zigler E, et al. **Psychol Bull** 83(2):303–13, Mar 76 (39 ref.)

Paranoid vs hebephrenic schizophrenia: clinical and familial (genetic) heterogeneity. Winokur G. **Psychopharmacol Commun** 1(6):567–77, 1975

[Attempts at a nosological classification with two standardized psychiatric rating scales (author's transl)] Hentschel U, et al. **Arch Psychiatr Nervenkr** 221(4):283–301, 22 Jun 76 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Paranoid vs hebephrenic schizophrenia: clinical and familial (genetic) heterogeneity. Winokur G. **Psychopharmacol Commun** 1(6):567–77, 1975

[Genetic differentiation between paranoid and hebephrenic schizophrenia] Vinokur D. **Vestn Akad Med Nauk SSSR** (9):32–6, 1975 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Letter: psychiatry and sectarians. Beckford JA. **Br J Psychiatry** 127:414–5, Oct 75

PHYSIOPATHOLOGY

[Schizophrenia and neuro-endocrine functional disorders--a case study on the problem of paranoid psychosis] Leonhardt KF. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):584–91, Oct 75 **(Ger)**

THERAPY

Breaking a cycle of hospitalization through the psychiatric house call. Matta S, et al. **Hosp Community Psychiatry** 27(5):346–8, May 76

Ego functioning during paranoid regression. Fromm MG. **Int J Psychoanal Psychother** 5:11–37, 1976

Schizophrenia and Cushing's syndrome cured by adrenalectomy. Johnson J. **Psychol Med** 5(2):165–8, May 75

SCHIZOPHRENIC LANGUAGE

Linguistic performance in vulnerable and autistic children and their mothers. Frank SM, et al. **Am J Psychiatry** 133(8):909–15, Aug 76

Psychopathology and atypical language development. Vetter HJ. **Ann NY Acad Sci** 263:140–55, 19 Sep 75

Looseness of associations in acute schizophrenia. Reilly F, et al. **Br J Psychiatry** 127:240–6, Sep 75

The prediction and predictability of speech in schizophrenic patients. Rutter DR, et al. **Br J Psychiatry** 126:571–6, Jun 75

Letter: Speech in schizophrenic patients. Rutter DR. **Br J Psychiatry** 128:312, Mar 76

Language behaviour in acute and chronic schizophrenia. Williams RM, et al. **Br J Soc Clin Psychol** 15(PT 1):73–83, Feb 76

A linguist looks at 'A linguist looks at 'schizophrenic language''. Fromkin VA. **Brain Lang** 2(4):498–503, Oct 75

Schizophrenic inability to disattend from strong aspects of meaning. Chapman LJ, et al. **J Abnorm Psychol** 85(1):35–40, Feb 76

Organization of language behavior and cognitive performance in chronic schizophrenia. Grand S, et al. **J Abnorm Psychol** 84(6):621–8, Dec 75

Speech patterns of five psychotic children now in adolescence. Shapiro T, et al. **J Am Acad Child Psychiatry** 15(2):278–93, Spring 76

Language, communication, and the use of symbols in normal and autistic children. Ricks DM, et al. **J Autism Child Schizo** 5(3):191–221, Sep 75

Use of covert self–instruction for the elimination of psychotic speech. Meyers A, et al. **J Consult Clin Psychol** 44(3):480–2, Jun 76

Asymmetry of information processing in hallucinators and nonhallucinators. Alpert M, et al. **J Nerv Ment Dis** 162(4):258–65, Apr 76

Communicative behavior in schizophrenia. The relation of adaptive styles to kinetic and linguistic aspects of interview behavior. Grand S, et al. **J Nerv Ment Dis** 161(5):293–306, Nov 75

A computer analysis of the Schreber Memoirs. Klein RH. **J Nerv Ment Dis** 162(6):373–84, Jun 76

A reply to comments on 'a computer analysis of the Schreber Memoirs'. Klein RH. **J Nerv Ment Dis** 162(6):394–400, Jun 76

Schreber's Memoirs and content analysis. Laffal J. **J Nerv Ment Dis** 162(6):385–90, Jun 76

Parsing Schreber: reflections on Dr. Klein's 'Schreber Memoirs. Nemiah JC. **J Nerv Ment Dis** 162(6):391–2, Jun 76

Comments on 'a computer analysis of the Schreber Memoirs'. Overall JE. **J Nerv Ment Dis** 162(6):393, Jun 76

Loose associations and disordered speech patterns in chronic schizophrenia. Siegel A, et al. **J Nerv Ment Dis** 162(2):105–12, Feb 76

[Speech behavior of schizophrenics. Assay of an experimental point of departure (author's transl)] Straube E, et al. **Arch Psychiatr Nervenkr** 221(1):67–85, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Analysis of the verbal content in Rorschach test in schizophrenics] Szafraniec J. **Psychiatr Pol** 10(3):275–81, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Symptomatology of speech disorders in schizophrenia in the light of modern research. II] Rogovin MS. **Zh Nevropatol Psikhiatr** 74(1):141–6, 1974 **(Rus)**

[The symptomatology of speech disorders in schizophrenia in the light of current research. (V). Dissociation of content and verbal expression] Rogovin MS. **Zh Nevropatol Psikhiatr** 75(11):1726–33, 1975 (56 ref.) **(Rus)**

[The symptomatology of speech disorders in schizophrenia in the light of current research (IV)] Rogovin MS. **Zh Nevropatol Psikhiatr** 75(6):932–40, 1975 (90 ref.) **(Rus)**

SCHIZOPHRENIC PSYCHOLOGY

Proceedings: The discharges of spontaneous psychomotor activity in schizophrenic patients in the experimental situation. Drtil J, et al. **Act Nerv Super (Praha)** 17(4):287–8, 1975

Changes of associative performance in hospitalized schizophrenics: a 16–year follow–up. Flekkoy K. **Acta Psychiatr Scand** 52(5):330–5, Nov 75

Do dreams have meaning? An empirical inquiry. Kramer M, et al. **Am J Psychiatry** 133(7):778–81, Jul 76

Referent communication in schizophrenia: the perseverative–chaining model. Cohen BD. **Ann NY Acad Sci** 270:124–40, 1976

Schizophrenic reasoning about affect–laden material. Chapman LJ, et al. **Arch Gen Psychiatry** 32(10):1233–6, Oct 75

Methylphenidate, dextroamphetamine, and levamfetamine. Effects on schizophrenic symptoms. Janowsky DS, et al. **Arch Gen Psychiatry** 33(3):304–8, Mar 76

Integration and sealing over. Clinically distinct recovery styles from schizophrenia. McGlashan TH, et al. **Arch Gen Psychiatry** 32(10):1269–72, Oct 75

Letter: Schizophrenic symptomatology. Lumley F. **Aust NZ J Psychiatry** 9(4):292, Dec 75

Auditory attention in process and reactive schizophrenia. Maloney MP, et al. **Biol Psychiatry** 11(3):325–32, Jun 76

Preconscious processing in schizophrenics: an exploratory investigation. Henley SH, et al. **Br J Med Psychol** 49(2):161–6, Jun 76

Letter: Grid Test of Schizophrenic Thought Disorder. Bannister D. **Br J Psychiatry** 129:93, Jul 76

A comparative study of attentional strategies of schizophrenic and highly creative normal subjects. Dykes M, et al. **Br J Psychiatry** 128:50–6, Jan 76

'Filtering' and the cognitive deficit in schizophrenia. Hemsley DR, et al. **Br J Psychiatry** 128:456–61, May 76

Problems in the interpretation of cognitive abnormalities in schizophrenia. Hemsley DR. **Br J Psychiatry** 129:32–5, Jul 76

Validity and clinical utility of the grid test of schizophrenic thought disorder. Hill AB. **Br J Psychiatry** 128:251–4, Mar 76

The prediction and predictability of speech in schizophrenic patients. Rutter DR, et al. **Br J Psychiatry** 126:571–6, Jun 75

Letter: Subjective age in chronic schizophrenia. Smith JM, et al. **Br J Psychiatry** 128:100, Jan 76

The frequency of visual hallucinations in schizophrenic patients in Saudi Arabia. Zarroug ET. **Br J Psychiatry** 127:553–5, Dec 75

Stimulus generalization and anxiety in schizophrenic and normal subjects. Al–Issa I, et al. **Br J Soc Clin Psychol** 14(4):371–8, Nov 75

Reversing the process of thought disorder: a serial validation experiment. Bannister D, et al. **Br J Soc Clin Psychol** 14(2):169–80, Jun 75

The specificity of schizophrenic thought disorder: a replication and extension of previous findings. Heather N. **Br J Soc Clin Psychol** 15(2):131–7, Jun 76

Attention and information processing in schizophrenia. Hemsley DR. **Br J Soc Clin Psychol** 15(2):199–209, Jun 76

A developmental approach to delineate components of cognitive dysfunction in schizophrenia. Kay SR, et al. **Br J Soc Clin Psychol** 14(4):387–99, Nov 75

Colour form representation test: a developmental method for the study of cognition in schizophrenia. Kay SR, et al. **Br J Soc Clin Psychol** 14(4):401–11, Nov 75

Relationship between conceptual judgements and stimulus dimensions among schizophrenics and normals. Neufeld RW. **Br J Soc Clin Psychol** 15(PT 1):85–91, Feb 76

A further attempt to cross–validate the grid test of schizophrenic thought disorder. Poole AD. **Br J Soc Clin Psychol** 15(2):179–87, Jun 76

Some characteristics of schizophrenics and their parents. Winter DA. **Br J Soc Clin Psychol** 14(3):279–90, Sep 75

Handwriting in schizophrenia: some clinical observations. Douglas DB, et al. **Dis Nerv Syst** 36(10):561–7, Oct 75

The interaction between depot–phenothiazines and the social and clinical manifestations of behaviour in patients with stabilised chronic schizophrenia. pp. 209–22. Hirsch SR.

In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Ego functioning during paranoid regression. Fromm MG. **Int J Psychoanal Psychother** 5:11–37, 1976

Neutralization of affective concepts in schizophrenia. Andorfer JC, et al. **J Abnorm Psychol** 84(6):722–5, Dec 75

Interference effects in schizophrenic short–term memory. Bauman E, et al. **J Abnorm Psychol** 85(3):303–8, Jun 76

Sensitivity to syntactic structure: good versus poor premorbid schizophrenics. Carpenter MD. **J Abnorm Psychol** 85(1):41–50, Feb 76

Schizophrenic inability to disattend from strong aspects of meaning. Chapman LJ, et al. **J Abnorm Psychol** 85(1):35–40, Feb 76

Overinclusion and self–editing in schizophrenia. Davis KM, et al. **J Abnorm Psychol** 85(1):51–60, Feb 76

Differential recovery of intellectual, associational, and psychophysiological functioning in withdrawn and active schizophrenics. Depue RA, et al. **J Abnorm Psychol** 84(4):325–30, Aug 75

Organization of language behavior and cognitive performance in chronic schizophrenia. Grand S, et al. **J Abnorm Psychol** 84(6):621–8, Dec 75

A test of Chapman's theory of schizophrenic thought disorder. Hamsher K, et al. **J Abnorm Psychol** 85(3):296–302, Jun 76

Affective encoding and consequent remembering in schizophrenic young adults. Koh SD, et al. **J Abnorm Psychol** 85(2):156–66, Apr 76

Auditory processing speed and signal detection in schizophrenia. Korboot PJ, et al. **J Abnorm Psychol** 85(3):287–95, Jun 76

Mnemonic organization and free recall in schizophrenia. Larsen SF, et al. **J Abnorm Psychol** 85(1):61–5, Feb 76

The integration defects in paranoid and nonparanoid schizophrenia. McDowell D, et al. **J Abnorm Psychol** 84(6):629–36, Dec 75

Effects of social deprivation and satiation on the reinforcing properties of social stimulation in chronic male hospitalized schizophrenics. Mitchell WS, et al. **J Abnorm Psychol** 84(5):494–7, Oct 75

A multidimensional scaling analysis of schizophrenics' and normals' perceptions of verbal similarity. Neufeld RW. **J Abnorm Psychol** 84(5):498–507, Oct 75

Schizophrenic recall and contextual constraint. Raulin ML, et al. **J Abnorm Psychol** 85(2):151–5, Apr 76

Selective attention in schizophrenia. Schneider SJ. **J Abnorm Psychol** 85(2):167–73, Apr 76

Time–linked impairment in schizophrenic reaction time performance. Steffy RA, et al. **J Abnorm Psychol** 84(4):315–24, Aug 75

Effects of categorization and imagery on recognition and recall by process and reactive schizophrenics. Traupmann KL. **J Abnorm Psychol** 84(4):307–14, Aug 75

Encoding of taxonomic word categories by schizophrenics. Traupmann KL, et al. **J Abnorm Psychol** 85(4):350–5, Aug 76

Concept usage in schizophrenic children. Walker HA, et al. **J Autism Child Schizo** 5(2):155–67, Jun 75

The effects of varying noise and information loads on visual information processing of schizophrenics. Alumbaugh RV. **J Clin Psychol** 32(3):512–8, Jul 76

Paranoid integration and thought disorder. Gamble KR. **J Clin Psychol** 31(4):604–7, Oct 75

Spatial vs. nonspatial reasoning ability in chronic schizophrenics. Hartlage LC, et al. **J Clin Psychol** 32(2):235–7, Apr 76

Behavioral and physiological effects of examiner sex on process and reactive schizophrenics. McDonald RK, et al. **J Clin Psychol** 32(2):225–7, Apr 76

Rotations of visual designs in psychopathological groups. Royer FL, et al. **J Consult Clin Psychol** 43(4):546–56, Aug 75

Irrelevance of retention interval length and distractor–task similarity to schizophrenic cognitive interference. Taylor JF, et al. **J Consult Clin Psychol** 43(3):281–5, Jun 75

Impression management ability in psychiatric hospital samples and normals. Watson CG. **J Consult Clin Psychol** 43(4):540–5, Aug 75

Asymmetry of information processing in hallucinators and nonhallucinators. Alpert M, et al. **J Nerv Ment Dis** 162(4):258–65, Apr 76

Psychiatric crisis. A comparison of schizophrenic and nonschizophrenic patients. Donovan JM, et al. **J Nerv Ment Dis** 161(3):172–9, Sep 75

Recent life events and acute schizophrenic psychosis: a controlled study. Jacobs S, et al. **J Nerv Ment Dis** 162(2):75–87, Feb 76

Hypohedonia in schizophrenia. Kayton L, et al. **J Nerv Ment Dis** 161(6):412–20, Dec 75

Short term memory for numerousness in schizophrenic young adults. Koh SD, et al. **J Nerv Ment Dis** 163(2):88–101, Aug 76

Disturbed preschizophrenics. Childhood symptoms in relation to adult outcome. Roff JD, et al. **J Nerv Ment Dis** 162(4):274–81, Apr 76

A comparative study of art expression of schizophrenic, unipolar depressive, and bipolar manic–depressive patients. Wadeson H, et al. **J Nerv Ment Dis** 162(5):334–44, May 76

A comparison of abstractive and nonabstractive deficits in schizophrenics and psychiatric controls. Watson CG, et al. **J Nerv Ment Dis** 163(3):193–9, Sep 76

Primitive drive–dominated thinking: relationship to acute schizophrenia and sociopathy. Harrow M, et al. **J Pers Assess** 40(1):31–41, Feb 76

Associative changes in hospitalized schizophrenics during a 16–year period. Flekkoy K. **Neuropsychobiology** 1(1):41–6, 1975

Temporal information processing and psychopathology. Crain P, et al. **Percept Mot Skills** 41(1):219–24, Aug 75

Nonverbal abstractive learning and schizophrenia. Donnelly EF, et al. **Percept Mot Skills** 42(1):75, Feb 76

Kinesthetic figural aftereffects in acute schizophrenia: a style of processing stimuli. Kuster G, et al. **Percept Mot Skills** 41(2):451–8, Oct 75

Effect of a mid–series anchor on absolute judgments of duration by schizophrenics, neurologically impaired, and normals. Locke SA. **Percept Mot Skills** 40(2):671–7, Apr 75

Abstract conceptualization in schizophrenia: a fundamental psychological deficit? Oltmanns TF, et al. **Percept Mot Skills** 41(3):807–11, Dec 75

Comparison of scoring methods for tests of attention, including an error index for use with schizophrenic patients. Pigache RM. **Percept Mot Skills** 42(1):243–53, Feb 76

Comparison of schizophrenics and normals on a visual search task. Russell PN, et al. **Percept Mot Skills** 42(2):399–402, Apr 76

A comparative analysis of Laing and Arieti on schizophrenia. Davis AJ. **Perspect Psychiatr Care** 14(2):78–82, 88, Apr–Jun 76

Time and Schizophrenia. Seeman MV. **Psychiatry** 39(2):189–95, May 76

Psychological alienation: isolation and self–estrangement. Johnson F. **Psychoanal Rev** 62(3):369–405, Fall 75

Childhood memories as contents of schizophrenic hallucinations and delusions. Katan M. **Psychoanal Study Child** 30:357–74, 1975

Anxiety, arousal, and schizophrenia: a theoretical integration. Lapidus LB, et al. **Psychol Bull** 82(5):689–710, Sep 75 (122 ref.)

Use of reinforcement to produce loose construing: differential effects for schizotypic and nonschizotypic normals. Higgins K, et al. **Psychol Rep** 38(3 pt. 1):799–806, Jun 76

Creativity and overinclusion in chronic schizophrenia. al–Issa

I. **Psychol Rep** 38(3 pt. 1):979–82, Jun 76
Cognitive differentiation between paranoid and nonparanoid schizophrenics. Ross MB, et al. **Psychol Rep** 38(3 pt. 1):991–4, Jun 76
Role of selective attention to emotional and neutral stimuli in schizophrenic affective deficit. Watson CG, et al. **Psychol Rep** 38(3 pt. 1):1003–10, Jun 76
Further evidence for impairment in abstract conceptualization in schizophrenia. Wright DM. **Psychol Rep** 38(3 pt. 1):1019–22, Jun 76
The diagnosis and psychopathology of schizophrenia in New York and London. **Schizophrenia Bull** (11):80–102, Winter 74
How to test hypotheses about schizophrenic thought disorder. Chapman LJ, et al. **Schizophrenia Bull** (12):42–59, Spring 75
The myth of schizophrenic art. McNiff SA. **Schizophrenia Bull** (9):12–3, Summer 74
The diagnosis and understanding of schizophrenia. Summary and conclusions. Strauss JS, et al. **Schizophrenia Bull** (11):70–80, Winter 74 (130 ref.)
The diagnosis and understanding of schizophrenia. Part III. Speculations on the processes that underlie schizophrenic symptoms and signs. Strauss JS, et al. **Schizophrenia Bull** (11):61–9, Winter 74
Letter: The double bind. Tucker GS. **Schizophrenia Bull** (9):10–1, Summer 74
[Modern concepts of schizophrenia] Verbeek E. **Ned Tijdschr Geneeskd** 120(5):198–203, 31 Jan 76 **(Dut)**
[Aspects of cognitive activities in the schizophrenic] Schmid-Kitsikis E, et al. **Ann Med Psychol (Paris)** 1(2):197–236, FEB 75 **(Fre)**
[Thematic study of the narration of dreams of normal, and of schizophrenic and other psychotic subjects] Schnetzler JP, et al. **Ann Med Psychol (Paris)** 1(3):367–80, Mar 76 (Eng. Abstr.) **(Fre)**
[Critical remarks on the symptom of 'thought insertion' (author's transl)] Koehler K, et al. **Arch Psychiatr Nervenkr** 221(4):369–82, 22 Jun 76 (Eng. Abstr.) **(Ger)**
[Experiments on perception in schizophrenia (author's transl)] Straube E. **Arch Psychiatr Nervenkr** 220(2):139–58, 28 May 75 (Eng. Abstr.) **(Ger)**
[Decision-making behavior of schizophrenics under varied partner and communication conditions in a 2-person non-null-sum game] Dornette W. **Arch Psychol (Frankf)** 127(3–4):251–70, 1975 (Eng. Abstr.) **(Ger)**
[Diagnosis of schizophrenic disorders from the psychologist's viewpoint] Plaum E. **Nervenarzt** 47(3):145–52, Mar 76 **(Ger)**
[Group experiment to investigate judgement-convergence and the assessment of reality in schizophrenics presented with visual stimuli] Hartwich P, et al. **Psychiatr Clin (Basel)** 8(4):167–78, 1975 (Eng. Abstr.) **(Ger)**
[Changes in the psychic factor structure of schizophrenics after release from the hospital] Netter-Munkelt P, et al. **Z Klin Psychol Psychother** 23(3):247–64, 1975 (Eng. Abstr.) **(Ger)**
[Experimental study of schizophrenia I. Cognitive structure of emotionally expressed voices (author's transl)] Murakami C, et al. **Jpn J Psychol** 46(3):121–31, Aug 75 **(Jpn)**
[Unusual family and environmental relationship between 2 persons with artistic schizophrenia] Gromska J, et al. **Psychiatr Pol** 9(5):579–83, Sep–Oct 75 **(Pol)**
[Difference in the range of activation between schizophrenic patients and normal subjects] Grzesiuk L. **Psychiatr Pol** 9(5):543–53, Sep–Oct 75 **(Pol)**
[Delusions of self-justification, innocence, forgiveness and justification in schizophrenia] Abramova LI. **Zh Nevropatol Psikhiatr** 76(5):730–6, 1976 (Eng. Abstr.) **(Rus)**
[Several features of facial expression and its perception in schizophrenic patients and the problem of emotional reference] Bespal'ko IG. **Zh Nevropatol Psikhiatr** 75(4):537–42, 1975 (Eng. Abstr.) **(Rus)**
[Psychological diagnosis of sluggish schizophrenia (according to thematic apperception test findings)] Boiarshinova TN. **Zh Nevropatol Psikhiatr** 75(11):1680–2, 1975 (Eng. Abstr.) **(Rus)**
[Perception of elementary speech structure by schizophrenic patients] Kritskaia VP, et al. **Zh Nevropatol Psikhiatr** 75(11):1677–80, 1975 (Eng. Abstr.) **(Rus)**
[Concept formation in children with schizophrenia (from Piaget test material)] Lebedinskii VV, et al. **Zh Nevropatol Psikhiatr** 75(11):1673–7, 1975 (Eng. Abstr.) **(Rus)**
[Relationship between delusions of grandeur and paranoid delusions in the paranoid syndrome] Levinson AIa. **Zh Nevropatol Psikhiatr** 76(6):880–4, 1976 (Eng. Abstr.) **(Rus)**
[One of the variants of the simple form of schizophrenia in light of psychopharmacotherapy] Niss AI. **Zh Nevropatol Psikhiatr** 16(1):114–21, 1976 (Eng. Abstr.) **(Rus)**

SCHIZOPHYLLAN see under **MUCOPOLYSACCHARIDES**

SCHIZOPHYLLUM see under **AGARICACEAE**

SCHIZOSACCHAROMYCES see under **ASCOMYCETES**

SCHOENLEIN-HENOCH PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

SCHOLARSHIPS see under **TRAINING SUPPORT**

SCHOOL ADMISSION CRITERIA see under **EDUCATIONAL MEASUREMENT**

SCHOOL DENTISTRY

How should National Boards fit into the educational and licensure responsibilities of the profession. Hickey JC. **Ala J Med Sci** 13(2):147–50, Apr 76
Dental therapists in South Australia. Blaikie DC. **Aust Dent J** 19(6):384–8, Dec 74
The treatment of first permanent molars in a school dental programme: implications for fissure sealants. Roder DM. **Aust Dent J** 20(2):94–100, Apr 75
Letter: Preventive dentistry for school children. Adorjan S. **Br Dent J** 139(9):347, 4 Nov 75
Co-operation between school dental service and general dental service. Taylor GO. **Br Dent J** 141(2):59, 20 Jul 76
Chairtime needed for an incremental dental care program for schoolchildren in Israel. Bimstein E, et al. **Community Dent Oral Epidemiol** 4(3):94–7, May 76
Dental caries in schoolchildren in some Danish communities with and without school dental service. Holst D. **Community Dent Oral Epidemiol** 3(5):237–43, Sep 75
A school dental program utilizing student dentists. Shmarak KL, et al. **J Sch Health** 46(2):106–8, Feb 76
School dental program. **J Tenn Med Assoc** 69(1):35, Jan 76
Evaluation of a classroom oral hygiene program. Braff MH, et al. **NY State Dent J** 42(4):218–22, Apr 76
Polynesian school dental therapists: community dentistry through voluntary co-operation in Western Samoa. Camrass R. **NZ Dent J** 71(324):70–3, Apr 75
Dental therapists—mistresses or servants? McKegg RN. **NZ Dent J** 72(327):8–14, Jan 76
Prevalence of gingivitis among children with and without school dental service. Holst D. **Scand J Dent Res** 84(3):150–7, May 76
[Early examination of the teeth of young children – a comparative study of 1350 school-children (author's transl)] Kröger EK, et al. **Oeff Gesundheitswes** 38(1):46–50, Jan 76 (Eng. Abstr.) **(Ger)**
[Status of dental preventive efforts in Switzerland] Marthaler TH, et al. **Soz Praeventivmed** 20(6):273–7, Nov–Dec 75 (Eng. Abstr.) **(Ger)**
[The condition of the 2d milk molars and the 6 year molars in a Copenhagen suburban community] Holdt H. **Stomatol DDR** 25(9):617–9, Sep 75 (Eng. Abstr.) **(Ger)**
[Possibilities of dental health education in the socialist school] Schwarz D. **Stomatol DDR** 26(7):468–73, Jul 76 (Eng. Abstr.) **(Ger)**
[Filling therapy over 3 years in a group of school pupils in Ringerike] Dolles OK, et al. **Nor Tannlaegeforen Tid** 86(7):309–12, Jul 76 **(Nor)**
[Prophylaxis used on primary school pupils in Rygge] Hope T. **Nor Tannlaegeforen Tid** 86(3):96–7, Mar 76 **(Nor)**

STANDARDS

Clinical control charts. Thomas W. **Aust Dent J** 19(6):395–8, Dec 74
Improved oral health of schoolchildren of 16 communities after 8 years of prevention. III. Gingival conditions and calculus. Marthaler TM. **Schweiz Monatsschr Zahnheilkd** 86(8):891–6, Aug 76
[An attempt of evaluating the effectiveness of dental health care of school children in the city of Wrocław] Gogol J. **Czas Stomatol** 29(3):205–7, Mar 76 (Eng. Abstr.) **(Pol)**
[Organization of stomatological dispensary examination of schoolchildren] Tomenko EK, et al. **Stomatologiia (Mosk)** 54(5):82–3, Sep–Oct 75 **(Rus)**
[Incidence of dental caries in schoolshcildren of Moscow (according to data of 3 districts). Effectiveness and perspectives of dispensary work] Vinogradov TF, et al. **Stomatologiia (Mosk)** 54(5):79–82, Sep–Oct 75 **(Rus)**

SCHOOL DROPOUTS see **STUDENT DROPOUTS**

SCHOOL HEALTH

The school health service as a means of entry into the inner-city family for the identification of malnourished children. Karp RJ, et al. **Am J Clin Nutr** 29(2):216–8, Feb 76
Streptococcal control in grade schools. Jackson H. **Am J Dis Child** 130(3):273–9, Mar 76
Development of a school health information system. Johansen S, et al. **Am J Public Health** 65(11):1203–7, Nov 75
Carbon monoxide in school buses. Johnson CJ, et al. **Am J Public Health** 65(12):1327–9, Dec 75
School children and reported hepatitis: an epidemiologic note. Taylor WC. **Am J Public Health** 66(8):793–4, Aug 76
School screening for middle ear effusions. Brooks DN. **Ann Otol Rhinol Laryngol** 85(2 Suppl 25 Pt 2):223–8, Mar–Apr 76
School meals and the nutrition of schoolchildren. Cook J, et al. **Br J Prev Soc Med** 29(3):182–9, Sep 75
Education at school about sexually transmitted diseases. Hunger KF. **Br J Vener Dis** 52(2):100–1, Apr 76
Benefits and costs of the schools' BCG vaccination programme. Stilwell JA. **Br Med J** 1(6016):1002–4, 24 Apr 76
Comparison of scholastic progress between bilharzia infected and non-infected pupils in a rural school. Radhawy I. **Bull Endem Dis (Baghdad)** 16(1–2):83–6, 1975
The school system as the vehicle of preventive psychiatry. Braverman J. **Can J Public Health** 67(1):61–3, Jan–Feb 76
Preschool detection of asymptomatic bacteriuria: a public health program. Arbus GS, et al. **Can Med Assoc J** 114(4):315–6, 318, 21 Feb 76
Project protection: a school program to detect and prevent child abuse and neglect. Broadhurst DD. **Child Today** 4(3):22–5, May–Jun 75
Behavioral treatment of hyperkinetic children. An experimental evaluation of its usefulness. O'Leary KD, et al. **Clin Pediatr (Phila)** 15(6):510–5, Jun 76
Medical examination of school children in Bombay City: a study of 835 cases. Merchant RH, et al. **Indian Pediatr** 12(7):557–62, Jul 75
Trichophyton violaceum infection in an Indian school. Kamalam A, et al. **Int J Dermatol** 15(2):136–9, Mar 76
Public health nurses and teachers in school health programmes: a problem in communication. Smiley OR. **Int Nurs Rev** 23(5):141–3, Sep–Oct 76
Health education in the school: toward preventive health care. Thompson T. **J Natl Med Assoc** 68(2):120–4, 152, Mar 76
Health appraisal in secondary schools. Beitz DE. **J Sch Health** 46(6):322–4, Jun 76
Chronic asthma and the shcool. Bharani SN, et al. **J Sch Health** 46(1):24–30, Jan 76
School health in America: a summary report of a survey of state school health programs. Castile AS, et al. **J Sch Health** 46(4):216–21, Apr 76
Periodic comprehensive health assessment and a problem-oriented medical record for public school students. Christie RW. **J Sch Health** 46(5):256–62, May 76
A new rationale for school health programming. Fenske JM. **J Sch Health** 45(10):569–76, Dec 75
Hyperkinesis and the schools. Greenberg JS. **J Sch Health** 46(2):91–7, Feb 76
The president's report. Harlin VK. **J Sch Health** 46(1):13–8, Jan 76
Teacher-counselors as mental health intermediaries. Keith CR, et al. **J Sch Health** 46(4):226–9, Apr 76
A study of health policies in public school administration. Lasch HA. **J Sch Health** 46(4):204–7, Apr 76
Kindergarten screening program for learning disabilities. Logan BA. **J Sch Health** 45(7):413–4, Sep 75
Inherited and noninherited anemia screening: a program of community cooperation. Moskowitz M. **J Sch Health** 45(9):541–2, Nov 75
School health service needs in Wisconsin. Neujahr H, et al. **J Sch Health** 45(10):595–8, Dec 75
Do you happen to know...? School health. Randall HB. **J Sch Health** 46(3):137–8, Mar 76
Using a teacher's health observation form to evaluate school child health. Ritter AM. **J Sch Health** 46(4):235–7, Apr 76
A preliminary assessment of a cooperative drug education pilot project in the middle school. Simon RK, et al. **J Sch Health** 46(6):325–8, Jun 76
What the schools can do to promote mental health. Taintor ZC. **J Sch Health** 46(2):86–90, Feb 76
Letter: B.C.G. at school. Bowe JC, et al. **Lancet** 2(7943):1036, 22 Nov 75
Influenza at Christ's Hospital: March, 1974. Hoskins TW, et al. **Lancet** 1(7951):105–8, 17 Jan 76
Otologic history, audiometry and tympanometry as a case finding procedure for school screening. Beery QC, et al. **Laryngoscope** 85(12 pt 1):1976–85, Dec 75
Recommended periods of exclusion from school of infectious disease cases and contacts. **Med J Aust** 2(3):Suppl: 12, 19 Jul 75
New department: teenage medicine. **Med Times** 104(2):55, 57–8, 63, Feb 76
Should grammar school kids compete in contact sports? Thornton ML. **Med Times** 104(6):112–4, Jun 76
School screening for the early detection of spine deformities. Progress and pitfalls. Lonstein JE, et al. **Minn Med** 59(1):51–7, Jan 76
Immunization levels in Boston schools—a second look. Gottlieb NH, et al. **N Engl J Med** 294(26):1459–61, 24 Jun 76
End-of-term report. Bosanquet N. **Nurs Times** 72(12):440, 25 Mar 76
Language development and learning disability. Newton J. **NY State J Med** 76(8):1318–9, Aug 76
School health: orphan or illegitimate child? Schell NB. **NY State J Med** 76(8):1295–6, Aug 76
Cardiological problems at school. De Bec Turtle P. **Practitioner** 216(1293):269–75, Mar 76
Education and the health: the English tradition. (3) The community medicine of education. Francis HW. **Public Health** 89(6):273–7, Sep 75
Thoughts on the 'new look' school medical officer. Tyrrell S. **Public Health** 90(3):127–30, Mar 76
Lice among schoolchildren. **R Soc Health J** 96(2):53, Apr 76
Modifying behavior now. Presland J. **Spec Educ Forward Trends** 1(3):20–2, Sep 74
Relationship between physicians, parents and teachers. Newton J. **Tex Med** 71(10):86–8, Oct 75
[Incidence of manifested and latent iron deficiency in students

registered in secondary schools] Hibšer M, et al. **Lijec Vjesn** 97(4):205–7, 1975 (Eng. Abstr.) **(Cro)**

[Examination of the effect of prophylactic training in posture of school children] Dullum LL, et al. **Ugeskr Laeger** 138(32):1929–33, 2 Aug 76 (Eng. Abstr.) **(Dan)**

[School physicians and vocational advice in schools] Helbo S. **Ugeskr Laeger** 137(46):2738–40, 10 Nov 75 (Eng. Abstr.) **(Dan)**

[Ten years of school-health care and fight against tuberculosis (author's transl)] Gyselen A. **Acta Tuberc Pneumol Belg** 65(5):421–8, Sep–Oct 74 (Eng. Abstr.) **(Dut)**

[Medical ORL examinations in schools and by private practitioners] Lemaire JH. **Acta Otorhinolaryngol Belg** 29(4):751–3, 1975 **(Fre)**

[Atmospheric pollution and health of students] East C, et al. **Can J Public Health** 66(5):399–405, Sep–Oct 75 **(Fre)**

[The school psychiatry team: its problems, clientele and its cooperation with teachers] Schmid M. **Psychiatr Enfant** 18(1):261–312, 1975 **(Fre)**

[Epidemiology and ambulatory care of chronic and recurring bronchitis in school-children] Dietzsch HJ, et al. **Aerztl Jugendkd** 66(5):409–10, Dec 75 **(Ger)**

[Role of the juvenile polyclinic in the detection and management of school children with chronic diseases] Dudás B, et al. **Aerztl Jugendkd** 66(5):411–2, Dec 75 **(Ger)**

[Screening examinations in Hamburg] Hein H. **Aerztl Jugendkd** 66(5):401–2, Dec 75 **(Ger)**

[Capillaroscopy as an additional aid for the early recognition of health-endangered children and juveniles] Kiehl W. **Aerztl Jugendkd** 66(5):407–8, Dec 75 **(Ger)**

[Longitudinal examinations as the basis of psychopreventive measures within the scope of student health care] Kühn H, et al. **Aerztl Jugendkd** 66(3):240–2, Sep 75 **(Ger)**

[Necessity of an individual formation of the pedagogical process] Kukura J, et al. **Aerztl Jugendkd** 66(5):431–2, Dec 75 **(Ger)**

[Screening as a method of health monitoring of students in Finland] Kuokkanen M, et al. **Aerztl Jugendkd** 66(3):235–9, Sep 75 **(Ger)**

[Thoughts on the schedule of school-health examinations] Mertens H. **Aerztl Jugendkd** 66(5):399–400, Dec 75 **(Ger)**

[Health status of students in technical vocational schools (TVS) under the new teaching conditions] Nusbaum DC, et al. **Aerztl Jugendkd** 66(3):232–4, Sep 75 **(Ger)**

[Proceedings: Electroencephalographic studies in school beginners] Provazník K, et al. **Aerztl Jugendkd** 66(5):423, Dec 75 **(Ger)**

[7th International Symposium on School and University Hygiene] Sälzler A. **Aerztl Jugendkd** 66(5):397–8, Dec 75 **(Ger)**

[Early recognition of the child with behavior disorders] Schneeweiss I. **Aerztl Jugendkd** 66(5):421–2, Dec 75 **(Ger)**

[Physiological changes as a result of school stress in healthy and neurotic children] Sidló L, et al. **Aerztl Jugendkd** 66(5):419–20, Dec 75 **(Ger)**

[Differential phenomena of body height and body weight in our present school population] Stemmler R, et al. **Aerztl Jugendkd** 66(2):144–59, Jun 75 **(Ger)**

[Urine analysis (screening) in 3,881 lower-, middle- and upper-grade pupils] Veres Z, et al. **Aerztl Jugendkd** 66(5):417–8, Dec 75 **(Ger)**

[Results of tuberculosis tests in Bavarian schools] pp. 21–8. Blaha H, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[The beginning of school and mental health of children] Hartung K. **Oeff Gesundheitswes** 37(8):497–503, Aug 75 **(Ger)**

[Early active health education as an urgent teaching task for parents, kindergarten and primary schools (author's transl)] Kiphard EJ. **Oeff Gesundheitswes** 37(4):224–30, Apr 75 (Eng. Abstr.) **(Ger)**

[School-medical examination in a higher secondary school (author's transl)] Mansfeld E. **Oeff Gesundheitswes** 38(4):210–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Behaviour disorders in fourth grade pupils in the light of a standardized questionnaire method (author's transl)] Schmidt-Klügmann R, et al. **Oeff Gesundheitswes** 37(6):310–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Particularities of medical and educational rehabilitation in the field of accident insurance for pupils illustrated by the example of severely brain injured children (author's transl)] Funk E. **Rehabilitation (Stuttg)** 13(3):172–9, Aug 74 (Eng. Abstr.) **(Ger)**

[Stress in school children in Basel and students' behavior as judged by the teacher] Meyer FF. **Soz Praeventivmed** 20(5):228, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Screening in preschool- and school-age children] Ritzel G, et al. **Soz Praeventivmed** 20(3–4):153–7, May–Aug 75 (Eng. Abstr.) **(Ger)**

[Preventive health examinations of kindergarten children in Basel] Urbanczik A. **Soz Praeventivmed** 20(5):219, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Traffic noise as an irritating factor in school environment] Aghová L. **Z Gesamte Hyg** 21(4):302–6, Apr 75 (Eng. Abstr.) **(Ger)**

[Work load of schoolchildren and assessment of daily-program hygiene] Bartkowiak Z. **Z Gesamte Hyg** 20(12):906–7, Dec 74 (Eng. Abstr.) **(Ger)**

[Hygienic supervision of social installations for children and adolescents by pediatricians and social workers] Jalant W. **Z Gesamte Hyg** 20(12):897, Dec 74 **(Ger)**

[Hygiene of the pedagogical process] Janda F. **Z Gesamte Hyg** 20(12):895–7, Dec 74 **(Ger)**

[Our experiences with the use of group methods for the study of functional changes in pupils during the school day] Mikletič T. **Z Gesamte Hyg** 20(4):256–9, Apr 74 (Eng. Abstr.) **(Ger)**

[Studies on the climate in schools] Muschter W, et al. **Z Gesamte Hyg** 21(10):751–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Current problems of hygiene in colleges] Sarkisjan EE, et al. **Z Gesamte Hyg** 20(12):903–4, Dec 74 (Eng. Abstr.) **(Ger)**

[Care for children of working mothers in day-care centers during pre-school years] Schmidt-Kolmer E. **Z Gesamte Hyg** 20(12):875–8, Dec 74 (Eng. Abstr.) **(Ger)**

[Medical examinations of children in Swedish schools today and in the future] Sennerfeldt P. **Z Gesamte Hyg** 20(12):863–4, Dec 74 (Eng. Abstr.) **(Ger)**

[Concept of the system of health check-ups for children and school children in the Peoples' Republic of Poland] Serejski J, et al. **Z Gesamte Hyg** 20(12):860–2, Dec 74 (Eng. Abstr.) **(Ger)**

[Role of additional exercises in physical education with the improvement of health status in schoolchildren] Silla RV. **Z Gesamte Hyg** 20(12):902–3, Dec 74 (Eng. Abstr.) **(Ger)**

[Sanitary supervision of preschool and general-education children's institutions] Stan VV. **Z Gesamte Hyg** 20(12):871–2, Dec 74 (Eng. Abstr.) **(Ger)**

[Letter: Preventive health care goes astray] Bjerkedal T. **Tidsskr Nor Laegeforen** 96(13):783–5, 10 May 76 **(Nor)**

[Letter: Development of work routines in school health care] Borg E. **Tidsskr Nor Laegeforen** 96(13):783, 10 May 76 **(Nor)**

[The role of school physicians in relation to children with sociomedical problems] Holmsen E. **Tidsskr Nor Laegeforen** 95(29):1639–42, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Development of work routines in school health care. Evaluation of a method for screening of school children according to maladjustment] Irgens LM, et al. **Tidsskr Nor Laegeforen** 96(7):407–11, 10 Mar 76 (Eng. Abstr.) **(Nor)**

[Letter: Discomfort in school children] Lehman V. **Tidsskr Nor Laegeforen** 96(13):782–3, 10 May 76 **(Nor)**

[Editorial: Screening for unhappiness in school age children] Natvig H. **Tidsskr Nor Laegeforen** 96(7):453–4, 10 Mar 76 **(Nor)**

[Letter: Screening of discomfort] Natvig H. **Tidsskr Nor Laegeforen** 96(13):785, 10 May 76 **(Nor)**

[Congenital factors determining a successful school start] Janus-Kukulska A, et al. **Pediatr Pol** 50(9):1169–76, Sep 75 (Eng. Abstr.) **(Pol)**

[Adaptation to school conditions of children beginning elementary school education and their previous kindergarden experiences] Polus-Szeniawska E. **Rocz Panstw Zakl Hig** 26(5):635–45, 1975 (Eng. Abstr.) **(Pol)**

[State of health of children in the 1st grade of elementary schools. Morbidity, absenteeism and scholastic progress and previous enrolment in kindergartens] Polus-Szeniawska E. **Rocz Panstw Zakl Hig** 26(6):691–8, 1975 (Eng. Abstr.) **(Pol)**

[Hygienic problems connected with education in relays of children in the 1st grade of elementary schools] Zdunkiewicz L, et al. **Rocz Panstw Zakl Hig** 27(3):345–52, 1976 (Eng. Abstr.) **(Pol)**

[The risk of tuberculosis in students of professional schools] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 25(1–2):13–6, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Practical training conditions and regimen for students of mining industry occupational and technical schools] Borisenkova RV, et al. **Gig Sanit** (9):107–8, Sep 75 **(Rus)**

[Hygienic characteristics of the industrial training of students at a vocational technical school in the occupation of telegrapher] Brovenko EF. **Gig Sanit** (3):28–32, Mar 76 (Eng. Abstr.) **(Rus)**

[Some data on the nutrition, morbidity and level of physical development of Smolensk boarding school pupils] Demko EB, et al. **Gig Sanit** (4):92–3, Apr 76 **(Rus)**

[Dependence of the achievement of upper course medical institute students on the functional state of their bodies when the classes are variously organized] Litvinova IuA. **Gig Sanit** (4):34–7, Apr 76 (Eng. Abstr.) **(Rus)**

[Social hygiene characteristics of the conditions and mode of life of Kiev school children and their effect on health indices] Nedel'ko VP. **Gig Sanit** (4):47–51, Apr 76 **(Rus)**

[Dynamics of the state of health of students at a occupational-technical school for secondary education] Nusbaum DKh, et al. **Gig Sanit** (8):29–32, Aug 75 (Eng. Abstr.) **(Rus)**

[Utilization of an information retrieval system in the work of the school section of a sanitary-epidemiological station] Odinets AA, et al. **Gig Sanit** (2):62–3, Feb 75 **(Rus)**

[Punched cards with edge perforation for the individual bibliographic card index and in the work of the school sanitation section of a sanitary—epidemiological station] Odinets AA, et al. **Gig Sanit** (7):102–7, Jul 75 **(Rus)**

[Protection of the neuropsychic status of schoolchildren] Ratsiute-Buminavichene SV. **Gig Sanit** (2):38–41, Feb 75 (Eng. Abstr.) **(Rus)**

[Some data on the complex evaluation of the functional state of the body of vocational-technical school students] Sarkisiants EE, et al. **Gig Sanit** (6):36–40, Jun 76 (Eng. Abstr.) **(Rus)**

[School health abroad] Serdiukova GN, et al. **Gig Sanit** (11):88–91, Nov 75 **(Rus)**

[Effect of the study load and the duration of teaching in school on the physical development of children and adolescents] Shaposhnikov EA. **Gig Sanit** (3):86–9, Mar 76 **(Rus)**

[Hygienic substantiation of a regimen of student classes and exams] Shepelin OP, et al. **Gig Sanit** (4):37–40, Apr 76 (Eng. Abstr.) **(Rus)**

[Needs of students at general educational schools for dietary nutrition] Smolianskii BL, et al. **Gig Sanit** (1):33–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Information processing indices and cardiovascular activity of students during their studies and exams] Stefanov B, et al. **Gig Sanit** (2):83–6, Feb 75 **(Rus)**

[New study plans in school and the state of visual functions in schoolchildren] Sychev AA. **Gig Sanit** (2):34–8, Feb 75 (Eng. Abstr.) **(Rus)**

[Organization of medical service to school children in the cities and villages] Milovanova AKh, et al. **Pediatriia** (11):76–8, Nov 75 **(Rus)**

[Follow-up of schoolchildren with mild and torpid forms of tuberculosis in a sanatorium-type boarding school and at home] Alibakieva GM, et al. **Probl Tuberk** (5):23–5, May 76 (Eng. Abstr.) **(Rus)**

[Chemotherapy and chemoprevention of tuberculosis in children under condition of a sanatorium-boarding school] Kalabukha VA. **Probl Tuberk** (10):7–11, 1975 (Eng. Abstr.) **(Rus)**

[Combined use of ultraviolet radiation for the control of acute respiratory diseases] Beliaev II, et al. **Vestn Akad Med Nauk SSSR** (3):37–41, 1975 (Eng. Abstr.) **(Rus)**

[Socio-hygienic study of the state of health of high school teachers in Moscow] Kruchinina SS. **Zdravookhr Ross Fed** (5):11–4, May 76 **(Rus)**

[Epidemiological evaluation of the effectiveness of the obligatory isolation of whooping cough patients in schools] Okinshevich EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):108–11, Jun 76 (Eng. Abstr.) **(Rus)**

[School physician and vocational guidance] Spánik J, et al. **Cesk Pediatr** 30(6):301–4, Jun 75 (Eng. Abstr.) **(Slo)**

[School medical service and adolescent medicine in the new form of student records] Cernay J, et al. **Cesk Zdrav** 24(6):274–81, Jun 76 (Eng. Abstr.) **(Slo)**

[Is this school hygiene] **Lakartidningen** 72(43):4127, 22 Oct75 **(Swe)**

School boy did not get referral to eye doctor] **Lakartidningen** 73(24):2278, 9 Jun 76 **(Swe)**

[Movement disorders] D'Avignon M. **Lakartidningen** 73(12):1074, 17 Mar 76 **(Swe)**

[Integration and negative effects] Rollof SI. **Lakartidningen** 73(12):1074–6, 17 Mar 76 **(Swe)**

[School children with chronic diseases—cooperation between school health care and National Health Services] Zetterström R, et al. **Lakartidningen** 73(12):1069–74, 17 Mar 76 (Eng. Abstr.) **(Swe)**

[School health care as a part of public health care in Finland] Helve A. **Nord Med** 91(3):85–7, Mar 76 **(Swe)**

EDUCATION

School learning and adjustment: interdisciplinary training for pediatricians. Rockowitz RJ, et al. **J Med Educ** 50(11):1063–4, Nov 75

HISTORY

[Development of the socialist school system and aspects of school health during the 30 years of Czechoslovakia] Fišer J. **Cesk Pediatr** 30(6):259–62, Jun 75 **(Cze)**

[Polytechnical education and juvenile preventive health care in Salzmann's Philantropin in Schnepfenthal] Pfauch W. **Aerztl Jugendkd** 66(4):344–52, Nov 75 **(Ger)**

MANPOWER

The podiatrist as a member of the school health team. Pigg RM Jr. **J Am Podiatry Assoc** 65(10):1020–2, Oct 75

[School health care as a part of public health care in Finland] Helve A. **Nord Med** 91(3):85–7, Mar 76 **(Swe)**

STANDARDS

Public health nurses and teachers in school health programs: a problem in communication. Smiley OR. **Int J Nurs Stud** 12(4):211–5, 1975

[Hygienic assessment of the conditions of vocational training in workshops of vocational schools] Zdunkiewicz L. **Rocz Panstw Zakl Hig** 26(4):541–7, 1975 (Eng. Abstr.) **(Pol)**

[Preliminary evaluation of school health services of the 9th Administrative Region of Rio de Janeiro: study of the population and operation analysis of a subprogram] Gaspar ED, et al. **Rev Saude Publica** 9(4):441–54, Dec 75 (Eng. Abstr.) **(Por)**

[New developments in the organization of state sanitary

supervision of institutions for children and adolescents] Stan VV. **Gig Sanit** (3):56–9, Mar 76 **(Rus)**

SCHOOL NURSING

An evaluation of three techniques improving immunization levels in elementary schools. Vernon TM, et al. **Am J Public Health** 66(5):457–60, May 76

Public health nurses and teachers in school health programs: a problem in communication. Smiley OR. **Int J Nurs Stud** 12(4):211–5, 1975

How nurses see their own function and power. Sedgwick R, et al. **J Am Coll Health Assoc** 24(4):245–8, Apr 76

Values clarification and the school nurse. Hopp JW. **J Sch Health** 45(7):410–3, Sep 75

Strangest job in the NHS? Bromelow I. **Nurs Times** 72(5):196, 5 Feb 76

Letter: Nurse practitioners and school nurse practitioners. Austin G. **Pediatrics** 56(4):620–1, Oct 75

[The role of school nurses in relation to school children with sociomedical problems] Krag OM. **Tidsskr Nor Laegeforen** 95(29):1638–9, 20 Oct 75 (Eng. Abstr.) **(Nor)**

EDUCATION

Guidelines on short term continuing education programs for college and university health nurse practitioners. **J Am Coll Health Assoc** 24(1):44–8, Oct 75

Position paper: philosophy and goals for school nurse educational preparation. **J Sch Health** 45(7):409, Sep 75

A new school health services field experience program for student nurse-teachers. Handley EJ. **J Sch Health** 45(8):452–4, Oct 75

SCHOOLS

Comparison of two outcome groups in a school-based mental health project. Lorion RP. **Am J Community Psychol** 4(1):65–73, Mar 76

Reaching emotionally disturbed children: 'judo' principles in remedial education. Mandel HP, et al. **Am J Orthopsychiatry** 45(5):867–74, Oct 75

Absenteeism in primary school: poverty factors and ethnicity. Bendel JP, et al. **Am J Public Health** 66(7):683–5, Jul 76

Reaching tomorrow's citizens. Best E, et al. **Can Nurse** 72(2):29–31, Feb 76

The child welfare agency as school consultant. Schild JS, et al. **Child Welfare** 55(7):491–500, Jul–Aug 76

Social and environmental factors in assessing school readiness. A report of some preliminary investigations. Crichton JU, et al. **Clin Pediatr (Phila)** 15(6):523–7, Jun 76

The mental health center's role in school consultation: toward a new model. Anderson LS. **Community Ment Health J** 12(1):83–8, Spring 76

Integration of young TMR children into a regular elementary school. Ziegler S, et al. **Except Child** 42(8):459–61, May 76

Using peer-group intervention with problem students in a secondary school. Stewart L, et al. **Hosp Community Psychiatry** 27(8):572–6, Aug 76

R-plasmids in healthy children: studies in nurseries, kindergartens and other closed and open communities. pp. 451–5. Lipková V, et al. **In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.**

Hypnotic intervention with 'school phobic' children. Lawlor ED. **Int J Clin Exp Hypn** 24(2):74–86, Apr 76

Effects on pregnant adolescents of attending a special school. Hansen CM, et al. **J Am Diet Assoc** 68(06):538–41, Jun 76

Major nutrients in the Type A lunch. II. Amounts consumed by students. Head MK, et al. **J Am Diet Assoc** 67(4):356–60, Oct 75

The schools of medical illustration. Beck EW. **J Biocommun** 2(1):22–6, Mar 75

Crisis events and school mental health referral patterns of young children. Felner RD, et al. **J Consult Clin Psychol** 43(3):305–10, Jun 75

Attitudes, self-esteem, and learning in formal and informal schools. Groobman DE, et al. **J Educ Psychol** 68(1):32–5, Feb 76

Letter: Transmission of medical information to school personnel for guidance in the management of the individual child. McCormick DP, et al. **J Pediatr** 89(2):333–4, Aug 76

How to plan and present a school-community health fair. **J Sch Health** 45(10):584–90, Dec 75

Guidelines for school-police cooperation in drug abuse policy department. Langer JH. **J Sch Health** 46(4):197–9, Apr 76

Drug and alcohol abuse education: opinions of school principals. Sulzbacher SI, et al. **J Sch Health** 45(8):468–9, Oct 75

Leprosy endemicity in Bombay: an assessment through surveys of municipal schools. Ganapati R, et al. **Lepr Rev** 47(2):127–31, Jun 76

Possible negative effects of mental health intervention. Klein Z, et al. **Ment Health Soc** 1(5–6):275–83, 1974

Letter: Status for supervising dentists for schools. Wright LS. **NY State Dent J** 42(1):40–1, Jan 76

School phobia. Nader PR, et al. **Pediatr Clin North Am** 22(3):605–17, Aug 75

Letter: Punishment legalized: protest against corporal punishment in schools. Ris HW. **Pediatrics** 57(2):293, Feb 76

Letter: Sulpiride in depressive school phobic children. Abe K. **Psychopharmacologia** 43(1):101, 23 Jul 75

Partners in teaching community health—a medical school and an elementary school. Chamberlain NH. **Public Health Rep** 91(3): 268–70, May–Jun 76

Sanctuary units in primary schools. Chalk J. **Spec Educ Forward Trends** 2(4):18–20, Dec 75

Schools council and special education. Wilson M. **Spec Educ Forward Trends** 1(3):17–8, Sep 74

[A clinical epidemiological study of the absentees in an elementary school. Second report: A preliminary epidemiological finding of absenteeism and a clinical study of 106 absentees] Hsu CC. **J Formosan Med Assoc** 74(12):775–90, Dec 75 (Eng. Abstr.) **(Chi)**

[Health status of students in technical vocational schools (TVS) under the new teaching conditions] Nusbaum DC, et al. **Aerztl Jugendkd** 66(3):232–4, Sep 75 **(Ger)**

[C. Expert testimony on the ability to attend school and on the fitness for sports. Fitness for sports in orthopedic diseases and in changes of the spinal region] Schmidt H. **Beitr Orthop Traumatol** 22(2):123–8, Feb 75 **(Ger)**

[Supported window ventilation in school construction] Lillich KH. **Gesund Ing** 97(3):41–7, Mar 76 **(Ger)**

[Physiological and psychological aspects of growing adolescents in the creation of instructional prerequintes for the construction of compact classrooms] Törne MV. **Gesund Ing** 97(3):48–52, 57–62, Mar 76 **(Ger)**

[Worries about the school child (author's transl)] Meinhardt J. **Oeff Gesundheitswes** 38(4):262–73, Apr 76 (Eng. Abstr.) **(Ger)**

[Noise-related hygiene problems in kindergartens and schools] Lipová V, et al. **Z Gesamte Hyg** 20(12):849–50, Dec 74 (Eng. Abstr.) **(Ger)**

[Future-oriented organization of facilities for the collective education and training of children in a residential environment] Trauzettel H. **Z Gesamte Hyg** 20(12):847–8, Dec 74 (Eng. Abstr.) **(Ger)**

[The School as a risk factor] Meinhardt J. **ZFA** 52(9):462–73, 31 Mar 76 **(Ger)**

[Hygienic evaluation of the microclimate in the classrooms of schools with various types of heating] Pluzhnikova ZA, et al. **Gig Sanit** (8):88–90, Aug 75 **(Rus)**

[Effect of study load on the bodies of first-grade students at various levels of development] Shulydina LV, et al. **Gig Sanit** (5):42–5, May 76 (Eng. Abstr.) **(Rus)**

[The lighting in a school] Zhilov IuD. **Gig Sanit** (4):115–7, Apr 75 **(Rus)**

[Importance of a forest sanatorium-boarding school in the staged treatment of children with bronchial asthma] Sukovatykh TN. **Pediatriia** (1):50–1, Jan 74 **(Rus)**

HISTORY

History of a school. Millar M. **Radiography** 41(487):165–7, Jul 75

[Polytechnical education and juvenile preventive health care in Salzmann's Philantropin in Schnepfenthal] Pfauch W. **Aerztl Jugendkd** 66(4):344–52, Nov 75 **(Ger)**

STANDARDS

[Trends in noise development in schools of the Erfurt and Suhl districts] Mörstedt R, et al. **Z Gesamte Hyg** 22(1):27–9, Jan 76 (Eng. Abstr.) **(Ger)**

SCHOOLS, DENTAL

Dedication address University of Alabama School of Dentistry in Birmingham. Terkla LG. **Ala J Med Sci** 13(2):181–3, Apr 76

The department of dental medicine and surgery University of Melbourne. Reade P. **Aust Dent J** 21(1):71–6, Feb 76

Directory of schools. **Br Dent J** 139(5):201–12, 2 Sep 75

Postgraduate education. **Br Dent J** 139(5):213–4, 2 Sep 75

Student-hospital-school. A new amalgam. Roistacher SL, et al. **Dent Clin North Am** 19(4):693–702, Oct 75

Predoctoral training in clinical hypnosis: a national survey of availability and educator attitudes in schools of medicine, dentistry, and graduate clinical psychology. Parrish MJ. **Int J Clin Exp Hypn** 23(4):249–65, Oct 75

The dilemma of dental school admissions: a possible solution. Barkley RF. **J Am Coll Dent** 43(2):119–26, Apr 76

Accredited dental schools. Council on Dental Education. **J Am Dent Assoc** 92(1):160–2, Jan 76

Accredited dental schools. Commission on Accreditation, Council on Dental Education. **J Am Dent Assoc** 93(2):376–9, Aug 76

Continuing education in US dental schools. Graham J, et al. **J Am Dent Assoc** 92(6):1225–9, Jun 76

A dental school hypertension screening program. Abbey LM, et al. **J Dent Educ** 40(5):287–9, May 76

Dental schools and hospitals—a symbiotic relationship for dental education. Barr CE. **J Dent Educ** 40(5):284–6, May 76

A method of quantifying the number of faculty members a dental school needs. Burger GG, et al. **J Dent Educ** 39(9):587–91, Sep 75

Solving patient admitting problems in dental school clinics. Colman HL, et al. **J Dent Educ** 40(9):613–6, Sep 76

Impact of class environment on Machiavellianism and leadership, interpersonal need, and life-style orientations of dental students. DiMarco N, et al. **J Dent Educ** 40(6):340–4, Jun 76

The admissions dilemma. Durocher RT. **J Dent Educ** 39(10):645–6, Oct 75

Letter: Comments on AADS consultation service. Ingle JI. **J Dent Educ** 40(8):524, Aug 76

Desired competencies and employment prospects for educational research personnel in schools of dental medicine. Jacobs SS, et al. **J Dent Educ** 39(12):786–92, Dec 75

Editorial: The private dental schools—an uncertain future. Johansen E. **J Dent Educ** 39(8):513, Aug 75

Editorial: From SCARF to COAS to organizational stability? Johansen E. **J Dent Educ** 40(6):330, Jun 76

The teaching of pharmacology in dental schools in the United States and Canada. Kahn N, et al. **J Dent Educ** 40(8):541–5, Aug 76

Preventive dentistry in action in a dental college. Moore DS. **J Dent Educ** 40(6):349–54, Jun 76

Balance in university dental schools. Sharry JJ. **J Dent Educ** 40(9):583–6, Sep 76

Presidential address. Terkla LG. **J Dent Educ** 40(7):452–6, Jul 76

Attitudes towards intramural-practice programs in American dental schools. Van Stewart A. **J Dent Educ** 39(10):687–90, Oct 75

Academic tenure and collective bargaining in American dental schools. Whitman NA. **J Dent Educ** 40(4):203–6, Apr 76

A workshop designed to develop alternative forms of education in a school of dentistry. Yanoff JM, et al. **J Dent Educ** 40(5):293–7, May 76

Editorial: Women in dentistry—a view from Stony Brook. Schoen MH. **NY J Dent** 45(10):307–8, Dec 75

New facility occupied at New Jersey Dental School. Bennett IC. **NY State Dent J** 42(2 PT 1):102, Feb 76

Bicentennial activities at University of Pennsylvania. Cohen DW. **NY State Dent J** 42(2 PT 1):98, Feb 76

New programs initiated at Buffalo. Feagans WM. **NY State Dent J** 42(2 PT 1):93–4, Feb 76

University of Pittsburgh. Concerned with impact of third party programs. Forrest EJ. **NY State Dent J** 42(2 PT 1):99, Feb 76

Advances at Fairleigh Dickinson University School of Dentistry. Kaslick RS. **NY State Dent J** 42(2 PT 1):94–6, Feb 76

Dental care for the handicapped at the University of Maryland. Reese EL. **NY State Dent J** 42(2 PT 1):96–7, Feb 76

Temple completes first phase of building program. Roeck DF. **NY State Dent J** 42(2 PT 1):101, Feb 76

Three classes admitted to SUNY at Stony Brook. Schoen MH. **NY State Dent J** 42(2 PT 1):92–3, Feb 76

Reflections of a new dean at Howard University. Sinkford JC. **NY State Dent J** 42(2 PT 1):100, Feb 76

NYU faces the challenge of change. Witkin GJ. **NY State Dent J** 42(2 PT 1):91–2, Feb 76

Columbia university exceeds goals. Improved financial picture. Zegarelli EV. **NY State Dent J** 42(2 PT 1):89–90, Feb 76

A survey of dental radiology evaluation in American dental schools. Ciola B. **Oral Surg** 42(2):249–54, Aug 76

Attitude testing of dental school applicants. Rationale for an additional criterion for dental school consideration. Kurtzman C. **R Soc Health J** 96(1):3–5, Feb 76

[Solemn inauguration of the new building of the Stomatology Department of the Erfurt Medical Academy] Gängler P. **Stomatol DDR** 5:304–9, May 76 **(Ger)**

[Introductory address at the founding of the dept. of Stomatology at the Erfurt Medical Academy] Künz el W. **Stomatol DDR** 5:299–303, May 76 **(Ger)**

HISTORY

Histories of present dental schools in the United States. University of Louisville School of Dentistry. **Dent Radiogr Photogr** 48(2):26, 42, 1975 (Eng. Abstr.)

Histories of present dental schools in the United States. Northwestern University Dental School. **Dent Radiogr Photogr** 49(1):2, 21–2, 1976

Meharry Medical College School of Dentistry. **Dent Radiogr Photogr** 48(3):50, 63, 1975

The world's first dental college. Kauffmann JH. **NY State Dent J** 42(6):349–50, Jun–Jul 76

The origins of the dental profession in New Zealand. Part 4. Stockwell RF. **NZ Dent J** 72(328):84–8, Apr 76

SCHOOLS, HEALTH OCCUPATIONS

The WHO Regional Teacher Training Centre for the Health Sciences, Sydney. Rundle FF. **Aust Fam Physician** 5(3):262, 264, 266 passim, Apr 76

Frankly speaking about nursing education. National and/or regional centers for preparing nursing educators. Stinson SM. **Can Nurse** 72(1):17, Jan 76

Area health education center eases manpower maldistribution. Goronzy DW, et al. **Hospitals** 50(6):109–10, 112–4, 16 Mar 76

A statewide biomedical communications network for South Carolina. Mangiaracina J, et al. **J Biocommun** 3(1):5–11, Mar 76

Area Health Education Center: a model of a consortium approach to health manpower education and consumer education in Southeast Tennessee. Goronzy DW. **J Tenn Med Assoc** 68(11):883–6, Nov 75

STANDARDS

Essentials of an accredited education program for the occupational therapist. **Am J Occup Ther** 29(8):485–96, Sep 75

Essentials of an approved educational program for the occupational therapy assistant established and adopted by the American Occupational Therapy Association, Inc. April 1975. **Am J Occup Ther** 30(4):245–63, Apr 76

SCHOOLS, MEDICAL

The New Jersey Medical School Narcotics Case Register: methodology and summary of first four years of operation. Lavenhar MA, et al. **Addict Dis** 1(4):513–27, 1975

Perspectives in medicine: should academic health centers address national health concerns? Bridgers WF. **Ala J Med Sci** 13(2):184–95, Apr 76

Ambulatory care center, School of Primary Medical Care, the University of Alabama in Huntsville, dedication address, October 29, 1975. Stephens GG. **Ala J Med Sci** 13(2):120–2, Apr 76

Admission procedures: A survey of current methodology Garza JV, et al. **Am J Med Technol** 42(1):30–6, Jan 76

Organizing a community department for academic radiology. Sherrick DW, et al. **Am J Roentgenol** 126(4):761–4, Apr 76

Philadelphia: Bicentennial city. Rogers FB. **Ann Intern Med** 84(2):164–71, Feb 76

Medical academy and the problems of health care provision. Rogers DE. **Arch Intern Med** 135(10):1364–9, Oct 75

Student selection in the School of Medicine, Ben-Gurion University of the Negev. Antonovsky A. **Br J Med Educ** 10(3):219–34, May 76

The simulated tutorial. Method for assessing medical school applicants. Mitchell DL, et al. **Br J Med Educ** 9(3):133–9, Sep 75

Home bases for private work and study. Are multidisciplinary laboratories the best answer? Olson IA, et al. **Br J Med Educ** 9(4):205–14, Dec 75

Entry to medical schools with 'A' level in mathematics rather than biology. Spurgin CB. **Br J Med Educ** 9(3):140–4, Sep 75

Editorial: Methods used by different countries and medical schools for selecting medical students. Walton HJ. **Br J Med Educ** 10(3):157, May 76

Where do psychiatrists come from? The influence of United Kingdom medical schools on the choice of psychiatry as a career. Brook P. **Br J Psychiatry** 128:313–7, Apr 76

Southampton: the first years. I – About southampton medical school. Acheson ED. **Br Med J** 2(6026):23–5, 3 Jul 76

The Nottingham medical school. Jones JS. **Br Med J** 4(5987):29–31, 4 Oct 75

Physical facilities of medical school libraries in the United States, 1966–1975: a statistical review. Huang CK. **Bull Med Libr Assoc** 64(2):173–8, Apr 76

Letter: One university does give priority to occupational health. Hastings JE. **Can Med Assoc J** 115(2):109, 17 Jul 76

Letter: Medical school admissions. MacLachlan TB. **Can Med Assoc J** 114(6):507, 20 Mar 76

Editorial: Medical education: edifice or edification? Thompson WG. **Can Med Assoc J** 114(9):750–1, 8 May 76

The Yale School of Medicine and community health institutions: effecting the partnership. Korper SP. **Conn Med** 40(1):19–20, Jan 76

Reflections from the Dean's office. Massey RU. **Conn Med** 40(3):212, Mar 76

Symposium—the real world and the ivory tower. Dialectics of professional training, education, and delivery of services to elderly persons. Response to a view of training within the medical school. Johnson JR. **Gerontologist** 14(6):542–4, Dec 74

A view of training from within the medical school: attitudes, status, and structure. Sinex FM. **Gerontologist** 14(6):538–41, Dec 74

Research opportunities at the Institute of Laryngology and Otology, London. pp. 811–8. Buchanan G.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Research policies in university centres in India. pp. 777–81. Hiranandani LH.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Resident research in otolaryngology at the University of Iowa. pp. 808–10. McCabe BF.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Research policies related to laryngeal cancer in clinical departments of Scandinavian universities. pp. 793–800. Olofsson J.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Research policies related to laryngeal cancer in university departments in Yugoslavia. pp. 786–8. Padovan IF.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Resident research program at Upstate Medical Center. pp. 819–26. Tucker HM.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

The role of medical associations and medical education institutions in population change. Introduction. pp. 201–2. Boohene AG.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.

The academic medical center as a social force. pp. 203–8. Cooper JA.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.

The role of medical education institutions in teaching population change to physicians. pp. 209–13. Villarreal J.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.

Predoctoral training in clinical hypnosis: a national survey of availability and educator attitudes in schools of medicine, dentistry, and graduate clinical psychology. Parrish MJ. **Int J Clin Exp Hypn** 23(4):249–65, Oct 75

Current scientific interests of Division of Urology, U.C.L.A. Kaufman JJ. **Int Urol Nephrol** 7(2):95–101, 1975

Do student health services discriminate against women: a survey of services in the U.S. medical schools. Howell MC, et al. **J Am Coll Health Assoc** 23(5):359–63, Jun 75

KU and VA. The role of VA Hospital, Kansas City, in KU's medical education program. Heilbrunn A. **J Kans Med Soc** 77(3):104–6, Mar 76

Medical school applicant. A study of the admission interview. Poorman DH. **J Kans Med Soc** 76(12):298–308, Dec 75

The dean's letter—1976. The University of Kansas Medical Center. Robinson DW. **J Kans Med Soc** 77(3):94–5, Mar 76

Letter: The future of a medical school for Maine. Longley JB. **J Maine Med Assoc** 66(9):238–9, Sep 75

The physician's assistants program at the Medical College of Georgia. Palmer JR. **J Med Assoc Ga** 64(10):390–1, Oct 75

Medical education at Emory. Sellers TJ. **J Med Assoc Ga** 64(10):382–3, 385, Oct 75

Mercer School of Medicine: status and plans. Smith NE. **J Med Assoc Ga** 64(10):388–9, Oct 75

The Morehouse medical education program. Sullivan LW. **J Med Assoc Ga** 64(10):386–7, Oct 75

Letter: Space allocation. Blagg LW. **J Med Educ** 51(5):441–2, May 76

Editorial: The proliferation of laws and regulations. Cooper JA. **J Med Educ** 51(1):67–8, Jan 76

Planning for a school of clinical medicine. Creditor MC. **J Med Educ** 51(7 Pt 1):588–90, Jul 76

Chiang Mai and Illinois: a cooperative international project, 1962–1970. Doege TC, et al. **J Med Educ** 51(2):94–100, Feb 76

Study of U.S. medical school applicants, 1973–74. Dubé WF, et al. **J Med Educ** 50(11):1015–32, Nov 75

Deans of minority student affairs in medical schools. Evans DA, et al. **J Med Educ** 51(3):197–9, Mar 76

Letter: Admissions interviews. Gelmann EP, et al. **J Med Educ** 50(11):1078–9, Nov 75

Letter: Student affairs offices. Gerber LA. **J Med Educ** 51(4):359–60, Apr 76

Issues and methods in curriculum evaluation. Grover PL Jr, et al. **J Med Educ** 50(12 Pt1):1100–5, Dec 75

Editorial: 'The deanly condition'. Ingersoll RW. **J Med Educ** 50(10):987–8, Oct 75

The role of the academic medical center in the PSRO program. Jessee WF, et al. **J Med Educ** 51(5):365–9, May 76

Major sources of U.S.-trained M.D.s on U.S. medical school faculties. Larson TA. **J Med Educ** 50(11):1071–2, Nov 75

Peer evaluation of applicants to medical school. Leape LL, et al. **J Med Educ** 51(7 Pt 1):586–8, Jul 76

Editorial: Federal financing of medical school programs. Lee LE Jr. **J Med Educ** 51(6):519, Jun 76

An analysis of the communication process in the medical admissions interview. Litton-Hawes E, et al. **J Med Educ** 51(4):332–4, Apr 76

Editorial: The rising costs of hospital care: mandate for academic introspection. McGinnis JM. **J Med Educ** 51(7 Pt 1):602–4, Jul 76

Letter: Financial exigency. Magee DF. **J Med Educ** 51(4):357–9, Apr 76

Prediction of screening decisions in a medical school admission process. Milstein RM, et al. **J Med Educ** 51(8):626–33, AUG 76

A computer-assisted admission matching system for the University of Texas medical schools. Padgett WB, et al. **J Med Educ** 51(6):478–86, Jun 76

Medical academe and the problems of primary care. Rogers DE. **J Med Educ** 50(12 pt 2):171–81, Dec 75

Uniformed Services University of the Health Sciences. **J Natl Med Assoc** 68(1):80–4, Jan 76

Medical school development in Nigeria. Attah EB. **J Natl Med Assoc** 68(3):255–6, May 76

Testimony before the Subcommittee on Health, Committee on Labor and Public Welfare United States Senate. Sullivan LW. **J Natl Med Assoc** 68(3):250–1, 245, May 76

Welsh National School of Medicine. Mounsey JP. **J R Coll Physicians Lond** 10(4):311–5, Jul 76

Quest for uniqueness. What makes the Medical University of South Carolina different? Banov L Jr. **J SC Med Assoc** 72(1):23–4, Jan 76

Emergency medical technician (EMT-A) training in a medical school environment. Watkins GM, et al. **J Trauma** 15(9):772–8, Sep 75

Statistical data on medical schools in the United States. **JAMA** 234(13):1407–19, 29 Dec 75

Statistical data on medical schools in Canada. **JAMA** 234(13):1419–23, 29 Dec 75

Medical school admissions, specialty selection, and distribution of physicians. Cullison S, et al. **JAMA** 235(5):502–5, 2 Feb 76

Medical school curriculum in the People's Republic of China. Progress report after 4 1/2 years of experience. Dimond GE. **JAMA** 236(13):1489–91, 27Sep 76

It takes four years.... Reversing the acceleration trend. Hejna WR. **JAMA** 234(4):387–8, 27 Oct 75

Editorial: Has medical education metastasized? Leymaster GL. **JAMA** 234(13):1403, 29 Dec 75

Letter: Career decisions. Pollner P. **JAMA** 234(13):1318–9, 29 Dec 75

Editorial: Southampton away. **Lancet** 2(7976):80–1, 10 Jul 76

Letter: Medical course at the Open University. Potter J. **Lancet** 2(7932):454, 6 Sep 75

Unaccepted applicants to medical school as a health resource. Weisman CS, et al. **Med Care** 14(6):512–25, Jun 76

Editorial: Methods used by different countries and medical schools for selecting medical students. **Med Educ** 10(3):157, May 76

Student selection in the School of Medicine, Ben-Gurion University of the Negev. Antonovsky A. **Med Educ** 10(3):219–34, May 76

Self-descriptions of applicants to medical school. Walton HJ, et al. **Med Educ** 10(1):10–4, Jan 76

Editorial: Otago Medical School centennial. **Med J Aust** 2(12):461, 20 Sep 75

A department of personal and family medicine. Andersen NA, et al. **Med J Aust** 2(13):504–9, 27 Sep 75

MSU builds its first patient-care facility. **Mich Med** 74(32):691, Nov 75

Medicine at Michigan State University: the College of Human Medicine at 11 years. Hunt AD. **Mich Med** 74(32):687–90, Nov 75

The nature of interdisciplinary research at Michigan State University. Sweeley CC, et al. **Mich Med** 74(32):692–5, Nov 75

Community medicine: success or failure? Lathem W. **N Engl J Med** 295(1):18–23, 1 Jul 76

Sounding board. Prospects for matching as an alternative to current procedures in medical-school admissions. Marcus NA, et al. **N Engl J Med** 295(1):45–7, 1 Jul 76

Letter: Matching program for medical-school admissions. Steward JP. **N Engl J Med** 295(16):906, 14 Oct 76

The university and the community. Berryhill WR. **NC Med J** 36(9):535–9, Sep 75

Albany Medical College. **NY State J Med** 76(7):1205, Jul 76

Partners in teaching community health—a medical school and an elementary school. Chamberlain NH. **Public Health Rep** 91(3): 268–70, May–Jun 76

Role of a university medical center in the education of radiologic technologists, part II: educational preparation of instructors in radiologic technology. Thompson TT, et al. **Radiol Technol** 48(1):27–33, JUL–AUG 76

A message from the dean. Medical school admissions. Aronson SM. **RI Med J** 59(2):35–6, Feb 76

Brown University program in medicine, class of 1976: some biographical observations. Aronson SM. **RI Med J** 59(5):206–8, 237, May 76

Brown Medical School and the Rhode Island community—an arrangement of mutual benefit? Pierre CS. **RI Med J** 59(5):197–205, May 76

State of the USD School of Medicine. Wegner K. **SD J Med** 28(9):28–34, Sep 75

Medical school admission: it's not what it used to be. **Tex Med** 71(11):108–12, Nov 75

Editorial: Federal support for medical schools. Cooper JA. **West J Med** 123(3):225–7, Sep 75

[Bibliography of scientific papers of the Charles' University Medical School at Hradec Králové] Horáková J. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1–2):43–91, 1974 **(Cze)**

[General medicine at Aarhus university] **Ugeskr Laeger** 138(5):311–4, 26 Jan 76 **(Dan)**

[Tromsø university—a challenge] Lomholt G. **Ugeskr Laeger** 138(18):1111–6, 26 Apr 76 (Eng. Abstr.) **(Dan)**

[140th anniversary of the Amphithéâtre des Hôpitaux. Introduction] Cabrol C. **Chirurgie** 100(11):757–8, 13–20 Nov 74 **(Fre)**

[The future of the tamphithéâtre des Hôpitaux: school of surgery] Cabrol C. **Chirurgie** 100(11):774–5, 13–20 Nov 74 **(Fre)**

[Present state of the buildings and surroundings of the Amphithéâtre des Hôpitaux] Patel A. **Chirurgie** 100(11):51–2, 13–20 Nov 74 **(Fre)**

[Experimentation currently being carried out at the Amphithéâtre d'Anatomie des Hôpitaux de Paris] Patel JC. **Chirurgie** 100(11):766–9, 13–20 Nov 74 **(Fre)**

[Teaching at the Amphithéâtre des Hôpitaux and its concordance with the general surgery special studies certificate] Rettori R. **Chirurgie** 100(11):770–1, 13–20 Nov

74 (Fre)
[Department of Medicine of the University of Ottawa. Coat of arms] Lussier JJ. **Union Med Can** 105(1):110–4, Jan 76 (Fre)
[Expert testimony activity of medical school teachers] Rieger HJ. **Dtsch Med Wochenschr** 100(41):2123–4, 10 Oct 75 (Ger)
[Medical education at a new college in the USA. Report of a visiting professor at the University of Connecticut School of Medicine, 1974–1975] Pflanz M. **Ther Ggw** 115(6):1094–105, Jun 76 (Ger)
[Does the Numerus clausus handicap potential candidates for general practice] Häussler S, et al. **Z Allgemeinmed** 51(21):1–469–76, 31 Jul 75 (Ger)
[The work at the Toxicology Laboratory of the Institute for Forensic Medicine] Bellus E.
Morphol Igazsagugyi Orv Sz 16(2):117–9, Apr 76 (Hun)
[List of chairs, departments, clinics and special projects of the Pomeranian Medical Academy]
Ann Acad Med Stetin 21:9–11, 1975 (Pol)
[Review of scientific papers prepared in 1974 by the chairs, departments, clinics and special projects of the Pomeranian Medical Academy] Drescher E. **Ann Acad Med Stetin** 21:71–199, 1975 (Pol)
[Historical outline of the Pomeranian Medical Academy in 1974] Gryczuk J. **Ann Acad Med Stetin** 21:11–70, 1975 (Pol)
[Role of the Department of General Hygiene in forming the thinking on prophylaxis of medical institute students] Beliaev II, et al. **Gig Sanit** (3):49–53, Mar 76 (Rus)
[Work with schools on the organization of parasitic disease control] Rotser AN. **Med Parazitol (Mosk)** 44(6):737, Nov–Dec 75 (Rus)
[Role of the medical colleges in the training of physicians in the problem of health protection of the external environment] Beliatskii DP. **Sov Zdravookhr** 00(1):56–61, 1976 (Eng. Abstr.) (Rus)
[Technical and operational solution in the construction of the University Hospital and Medical School at the P.J. Safárik University in Košice] Sonderlich J, et al.
Cesk Zdrav 24(6):252–63, Jun 76 (Eng. Abstr.) (Slo)
[Concept and principles of construction of a University Hospital with policlinic and medical school at the P.J. Safárik University in Košice] Sonderlich J. **Cesk Zdrav** 24(6):246–51, Jun 76 (Eng. Abstr.) (Slo)
[Accreditation of the medical school in the field of continuing medical education] Colón Rivera ES.
Bol Asoc Med PR 68(3):64–5, Mar 76 (Spa)
[Considerations on the admission policy for the medical school of the university of Costa Rica] Vargas Martinez H, et al. **Educ Med Salud** 10(1):55–69, 1976 (Eng. Abstr.) (Spa)

HISTORY

The King's College Medical School and the professionalization of medicine in pre-revolutionary New York. Humphrey DC. **Bull Hist Med** 49(2):206–34, Summer 75
The insignia of the Medical Faculty of Charles University. Med M. **Folia Morphol (Praha)** 24(1):120–7, 1976
The story of chemotherapy at Johns Hopkins: Perrin H. Long, Eleanor A. Bliss, and E. Kennerly Marshall, Jr. Harvey AM. **Johns Hopkins Med J** 138(2):54–60, Feb 76
Adventures in medical research. A century of discovery at Johns Hopkins. Harvey AM. **Johns Hopkins Med J** Suppl:1–464, 1976
History of medical education at Johns Hopkins. Turner TB. **Johns Hopkins Med J** 139(1):27–36, Jul 76
Australian medical schools: some historical considerations. Part 2. Sunderland S. **Med J Aust** 2(4):123–7, 26 Jul 75
Australian medical schools: some historical considerations. Part 1. Sunderland S. **Med J Aust** 2(3):79–81, 19 Jul 75
Letter: Women in medical school – 1878. Bennett DR.
N Engl J Med 295(5):295–6, 29 Jul 76
Editorial: The University of Massachusetts Medical School comes of age. Ingelfinger FJ. **N Engl J Med** 294(16):899–900, 15 Apr 76
New York Medical College and metropolitan hospital center; one hundred-year affiliation in medical care. Rhoads HT Jr, et al. **NY State J Med** 76(4):594–6, Apr 76
The naming of the Albert Einstein College of Medicine. Zimmerman HM. **Surg Neurol** 6(2):92, Aug 76
The first three professors of surgery. Fraser I.
Ulster Med J 45(1):12–46, 1976
[Development of the Zagreb Medical school in the past and present] Lakić J. **Lijec Vjesn** 97(4):195–8, 1975 (Cro)
[30th anniversary of the foundation of the Charles' University Medical School in Hradec Králové] Navrátil P.
Cas Lek Cesk 114(52):1605–7, 26 Dec 75 (Cze)
[30-years of Charles' University Medical School in Pilsen] Suva J. **Cas Lek Cesk** 114(36):1097–9, 5 Sep 75 (Cze)
[Foreign students at the Prague Medical Faculty from 1883 to the end of world war I (author's transl)] Poláčková M.
Sb Lek 77(10):313–9, Oct 75 (Eng. Abstr.) (Cze)
[History of the so-called Clamart Amphithéâtres des Hôpitaux] Boureau M. **Chirurgie** 100(11):759–61, 13–20 Nov 74 (Fre)
[History of experimental surgery at the Amphithéâtre des Hôpitaux] Dufour B. **Chirurgie** 100(11):762–5, 13–20 Nov 74 (Fre)
[History of the medical profession in Quebec: X. Condemnation of the school] **Union Med Can** 104(4):626, 628, 632, 634, Apr 75 (Fre)
[History of the medical profession in Quebec: IX. Laval Medical School, Montreal] Desjardins E.
Union Med Can 104(3):448–70, Mar 75 (Fre)
[History of the medical profession in Quebec: XIII. The new medical school] Desjardins E. **Union Med Can** 104(7):1137–42, Jul 75 (Fre)
[History of the medical profession in Quebec. VII. Origin of the affiliation of the Montreal School of Medicine and Surgery with Victoria College, Coburg] Desjardins E.
Union Med Can 103(12):2040–9, Dec 74 (Fre)
[Development of the medical profession in Quebec. XIV. The military contribution of Laval in Montreal] Desjardins E. **Union Med Can** 104(9):1426–8, Sep 75 (Fre)
[Development of the medical profession in Quebec. XVI. The Centre Médical Universitaire de Montréal] Desjardins E. **Union Med Can** 104(12):1876–88, Dec 75 (Fre)
[History of the medical profession in Quebec: XII. The final agreement] Desjardins E. **Union Med Can** 104(6):981–2, 984, 988, passim, Jun 75 (Fre)
[Zeuxis Philalethes and the school of herophilics in Menos Kome] Benedum J. **Gesnerus** 31(3–4):221–36, 1974 (Eng. Abstr.) (Ger)
[Founding of the Cairo medical school in the 19th century and the collaboration of German physicians] Kolta KS.
Med Monatsschr 30(4):167–72, Apr 76 (Ger)
[Development of social medicine at the Charité] Winter K.
Z Aerztl Fortbild (Jena) 69(9):461–5, 1 May 75 (Ger)
[The Central Stomatological Institute] **Fogorv Sz** 69(6):161, Jun 76 (Hun)
[The first medical lectures at the University of Nagyszombat, 1770] Harkó V. **Orv Hetil** 116(48):2844–6, 30 Nov 75 (Hun)
[Development of therapeutic and preventive medicine at the Medical University of Debrecen] László L. **Orv Hetil** 117(30):1803–10, 25 Jul 76 (Hun)
[János Dániel Perliczy (1705–1778), first supporter of the foundation of a medical school at Pest] Szállási A.
Orv Hetil 116(48):2843–4, 30 Nov 75 (Hun)
[Polish Medical Faculty at the Edinburgh University (35th anniversary of its foundation)] Konopka S.
Arch Hist Med (Warsz) 39(2):125–39, 1976 (Eng. Abstr.) (Pol)
[Connection existing between Wieliczka and the Cracow Medical Faculty] Skulimowski M.
Arch Hist Med (Warsz) 39(2):157–64, 1976 (Eng. Abstr.) (Pol)
[30th anniversary of the Department of Endocrinology of the Medical Academy in Łódź] Kolaszyński J.
Endokrynol Pol 26(4):459–61, Jul–Aug 75 (Pol)
[Half a century in the field of pathomorphology] Mróz E.
Patol Pol 27(2):157–65, 1976 (Pol)
[25th anniversary of the Poznań Medical Academy] Góral R. **Pol Arch Med Wewn** 54(2):89–93, Aug 75 (Pol)
[Attempts at setting up a Medical School in the City of Lódz between the 2 World Wars] Wieliczanski H. **Wiad Lek** 28(15):1329–31, 1 Aug 75 (Pol)
[The 110th anniversary of the Department of Pathologic Anatomy in Kazan'] Dobrynin VA, et al. **Arkh Patol** 38(3):86–8, 1976 (Rus)
[Main stages in the history of the departments of Therapeutics at institutes for graduate training] Savchenko MG.
Klin Med (Mosk) 54(2):141–44, Feb 76 (Rus)
[75th anniversary of the first Chair of Traumatology and Orthopedics in our country] Tkachenko SS.
Ortop Travmatol Protez (8):71–4, Aug 75 (Eng. Abstr.) (Rus)
[Activities of the leading scientists of the Central Institute for Postgraduate Medical Training during World War II] Aleksanian IV, et al. **Sov Zdravookhr** (5):30–6, 1975 (Rus)
[1st Moscow Medical Institute in World War II, 1941–1945] Danilin EN, et al. **Sov Zdravookhr** (5):26–30, 1975 (Rus)
[200th anniversary of the Petrovsk Academy in Elgava] Grigorash FF, et al. **Sov Zdravookhr** (6):67–9, 1975 (Rus)
[Students at the First Petersburg Women's Medical Institute in the 1st Russian revolution] Tikotin MA.
Sov Zdravookhr (4):69–71, 1975 (Rus)
[From the history of Soviet medical schools. V. I. Molchanov and his school] Zhdanova IA. **Sov Zdravookhr** (12):71–4, 1975 (Rus)
[Contribution of the S. M. Kirov Military Medical Academy to the military care of the armed forces in the World War II years, 1941–1945] Ivanov NG.
Vestn Akad Med Nauk SSSR (11):62–70, 1975 (Rus)
[Role of V.P. Obraztsov and his school in the development of Russian and Soviet hematology] Brevnov VP.
Vrach Delo (2):6–9, Feb 74 (Rus)
[History of higher medical education in Russia] Brzhenskiĭ VCh. **Vrach Delo** (6):151–3, Jun 74 (Rus)
[Position, role and tasks of the medical school in the system of general national defensive war] Kamčevski G, et al.
God Zb Med Fak Skopje 21:179–86, 1975 (Eng. Abstr.) (Ser)

STANDARDS

The accreditation process for colleges of osteopathic medicine. Pumerantz P. **J Am Osteopath Assoc** 75(2):225–7, Oct 75
Congressional perspectives on government and quality of medical education. Rogers PG. **J Med Educ** 51(1):3–6, Jan 76
Persons denied admission to medical schools: A case of blocked career choice. Becker MH, et al. **Soc Sci Med** 9(6):333–8, Jun 75
Trends in medical education. Thompson HG.
W Va Med J 71(9):248–52, Sep 75

SCHOOLS, NURSERY

Intervention in a day nursery. Coleman J, et al.
Child Care Health Dev 1(6):413–9, Nov–Dec 75
Which three-year-olds attend preschool facilities? Stevenson J, et al. **Child Care Health Dev** 1(6):397–411, Nov–Dec 75
Measuring preschools' readiness to mainstream handicapped children. Abelson AG. **Child Welfare** 55(3):216–20, Mar 76
Sex differences in the activities and social interactions of nursery school children. pp. 799–828. Brindley C, et al.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
R-plasmids in healthy children: studies in nurseries, kindergartens and other closed and open communities. pp. 451–5. Lipková V, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.
Staff behaviour in pre-school centres. Tizard B, et al.
J Child Psychol Psychiatry 17(1):21–33, Jan 76
Analyst in the nursery. Experimental application of child analytic techniques in a therapeutic nursery: the cornerstone method. Kliman GW.
Psychoanal Study Child 30:477–510, 1975
[Short-term prognosis of children admitted to children's homes for pre-school children for social reasons and later released during 1968–1973] Mores A. **Cesk Pediatr** 30(11):560–4, Nov 75 (Eng. Abstr.) (Cze)
[Various results in the study of family relations of 3-year-old children from nursery schools in Prague 1] Sommrová O.
Cesk Pediatr 30(5):201–2, May 75 (Eng. Abstr.) (Cze)
[Psychiatric and somatic symptoms in 105 nursery school children] Willerslev I. **Ugeskr Laeger** 138(33):2026–30, 9 Aug 76 (Eng. Abstr.) (Dan)
[Kindergarten and its influence in the performance of motor coordination, language and auditive descrimination, measured with the test of basic functions] Berdicewski O, et al. **Rev Chil Pediatr** 45(6):505–8, 1974 (Spa)

STANDARDS

[Microbiological status of pediatric establishments in the district of Suhl] Grossmann G, et al. **Z Gesamte Hyg** 20(4):233–7, Apr 74 (Eng. Abstr.) (Ger)

SCHOOLS, NURSING

Hospital schools of nursing: profits counterpoise costs. Wilkinson JA. **Hospitals** 50(8):95–8, 16 Apr 76
Struggle to exist – effects of inflation on a quality education program. Allen VO. **J Nurs Educ** 14(4):31–5, Nov 75
Practical nursing programs accredited by the National League for Nursing, 1975. **Nurs Outlook** 24(1):56–7, Jan 76
A nursing school cooperative. Fraser C, et al.
Nurs Outlook 23(8):504–7, Aug 75
Educational preparation for nursing—1974. Johnson WL.
Nurs Outlook 23(9):578–82, Sep 75
Educational preparation for nursing—1975. Johnson WL.
Nurs Outlook 24(9):568–73, Sep 76
Recruiting, appointing, and renewing faculty: a shared responsibility. Schlotfeldt RM. **Nurs Outlook** 24(3):148–54, 1 Mar 76
Clerical support services in schools of nursing 3. Everest P. **Nurs Times** 72(25):SUPPL:89–92, 24 Jun 76
Clerical support services in schools of nursing 4. Everest P. **Nurs Times** 72(26):SUPPL:93–6, 1 Jul 76
Clerical support services in schools of nursing 1. Everest P. **Nurs Times** 72(23):Suppl:81–4, 10 Jun 76
Clerical support services in schools of nursing. 2. Everest P. **Nurs Times** 72(24):suppl:85–7, 17 Jun 76
Clerical support services in schools of nursing. 5. Everest P. **Nurs Times** 72(27):suppl: 97–9, 8 Jul 76
At the bamboo roots – 1. Kettle B. **Nurs Times** 72(32):1228–30, 12 Aug 76

HISTORY

President's address. Miss Nightingale's dearest friend. Cartwright FF. **Proc R Soc Med** 69(3):169–75, Mar 76
[Foreword] Buffat JD. **Rev Med Suisse Romande** 95(10):733–4, Oct 75 (Fre)

SCHOOLS, PHARMACY

[Experience in organizing a people's university of pharmaceutical and pharmacotherapeutic sciences]
Selezneva VT, et al. **Farmatsiia** 24(3):79, May–Jun 75 (Rus)

HISTORY

['Pathfinder' Circle of the Tomsk Pharmaceutical College] Shishikina IA. **Farmatsiia** 24(5):44–8, Sep–Oct 75 (Rus)

SCHOOLS, PUBLIC HEALTH

A survey of USA Schools of Public Health–faculty, research

personnel, and students in biostatistics and epidemiology programs, 1974–1975. Winkelstein W, et al. **Am J Epidemiol** 103(5):436–8, May 76

SCHOOLS, VETERINARY

Benefit–cost analysis of a college of veterinary medicine. Morey PE, et al. **J Am Vet Med Assoc** 168(9):855–7, 1 May 76

The Swann Report and the veterinary schools. Bush BM. **Vet Rec** 97(7):137, 16 Aug 75

Letter: Student selection in the veterinary schools. Davidson AP. **Vet Rec** 97(19):377–8, 8 Nov 75

[People's University of Veterinary Sciences] Skarshevskaia EI. **Veterinariia** (11):101–2, Nov 75 **(Rus)**

HISTORY

A history of the events which culminated in the first faculty of Veterinary Science in Australia. Clements MA. **Aust Vet J** 52(1):36–9, Jan 76

The Ontario Veterinary College: Temperance Street era. Barker CA. **Can Vet J** 16(11):319–28, Nov 75

SCHUELLER–CHRISTIAN DISEASE see **HAND–SCHUELLER–CHRISTIAN SYNDROME**

SCHWALBE'S NUCLEUS see under **VESTIBULAR NUCLEI**

SCHWANN CELLS

Schwann cell multiplication after crush injury of unmyelinated fibers. Romine JS, et al. **Arch Neurol** 33(1):49–54, Jan 76

Unmyelinated fibres and Schwann cells of sural nerve in neuropathy. Behse F, et al. **Brain** 98(3):493–510, Sep 75

Remyelination by Schwann cells of axons demyelinated by intraspinal injection of 6–aminonicotinamide in the rat. Blakemore WF. **J Neurocytol** 4(6):745–57, Dec 75

On the occurrence of Schwann cells within the normal central nervous system. Raine CS. **J Neurocytol** 5(3):371–80, Jun 76

Three dimensional analysis of unmyelinated fibers in normal and pathologic autonomic nerves. Aguayo AJ, et al. **J Neuropathol Exp Neurol** 35(2):136–51, Mar 76

The occurrence and characteristics of non–myelinated neuromas within central nervous tissue. Feigin I, et al. **J Neuropathol Exp Neurol** 34(6):478–91, Nov 75

ANALYSIS

14–3–2 protein in rat primary and transplanted gliomas and neurinomas and in clonal cell lines. Braun M, et al. **Exp Brain Res** 25(1):93–7, 10 May 76

DRUG EFFECTS

Grayanotoxin, veratrine, and tetrodotoxin–sensitive sodium pathways in the Schwann cell membrane of squid nerve fibers. Villegas J, et al. **J Gen Physiol** 67(3):369–80, Mar 76

Experimental necrosis and arrest of proliferation of Schwann cells by cytosine arabinoside. Aguayo AJ, et al. **J Neurocytol** 4(6):663–74, Dec 75

METABOLISM

The sensitivity of the myelin sheath, particularly the Schwann cell–axolemmal junction, to lowered calcium levels in cultured sensory ganglia. Blank WF Jr, et al. **Brain Res** 67(3):503–18, 8 Mar 74

Studies on the control of myelinogenesis. II. Evidence for neuronal regulation of myelin production. Weinberg HJ, et al. **Brain Res** 113(2):363–78, 27 Aug 76

PATHOLOGY

Genetically determined defect of Schwann cell basement membrane in dystrophic mouse. Madrid RE, et al. **Nature** 257(5524):319–21, 25 Sep 75

On the sympathetic nature of some forms of Recklinghausen's disease: a study of six cases. Llombart A. **Trab Inst Cajal Invest Biol** 62:75–104, 1970 (Eng. Abstr.)

PHYSIOLOGY

Multipotentiality of Schwann cells in cross–anastomosed and grafted myelinated and unmyelinated nerves: quantitative microscopy and radioautography. Aguayo AJ, et al. **Brain Res** 104(1):1–20, 5 Mar 76

Absence of Schwann cell migration along regenerating unmyelinated nerves. Romine JS, et al. **Brain Res** 98(3):601–6, 21 Nov 75

Neonatal neuronal loss in rat superior cervical ganglia: retrograde effects on developing preganglionic axons and Schwann cells. Aguayo AJ, et al. **J Neurocytol** 5(2):137–55, Apr 76

Kinetic studies on glial, Schwann and capsular cells labelled with [3H] thymidine in cerebrospinal tissue of young mice. Kraus–Ruppert R, et al. **J Neurol Sci** 26(4):555–63, Dec 75

Characterization of acetylcholine receptors in the Schwann cell membrane of the squid nerve fibre. Villegas J. **J Physiol (Lond)** 249(3):679–89, Aug 75

[Neuronal properties of the Schwann cell] Miledi R. **Zh Evol Biokhim Fiziol** 11(6):561–6, Nov–Dec 75 (20 ref.) (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structural modification of Schwann cells in the pancreatic islets of the dog. Smith PH. **Am J Anat** 144(4):513–7, Dec 75

Schwann cell changes in lepromatous leprosy—an electronmicroscope study. Job CK, et al. **Indian J Med Res** 63(7):897–901, Jul 75

Observations on the interactions of Schwann cells and astrocytes following X–irradiation of neonatal rat spinal cord. Blakemore WF, et al. **J Neurocytol** 4(5):573–85, Oct 75

Quantitative ultrastructural studies of the axon Schwann cell abnormality in spinal nerve roots from dystrophic mice. Bray GM, et al. **J Neuropathol Exp Neurol** 34(6):517–30, Nov 75

[Quantitative electron microscopic studies on biopsy specimens of the sural nerve. II. Unmyelinated fibers and Schwann cells] Tohgi H, et al. **Clin Neurol (Tokyo)** 15(9):651–60, Sep 75 (Eng. Abstr.) **(Jpn)**

SCIATIC NERVE

Entrapment of the sciatic nerve. Gelmers HJ. **Acta Neurochir (Wien)** 33(1–2):103–6, 1976

Neurotropic effects of sciatic nerve extracts on muscle development in culture. Oh TH. **Exp Neurol** 50(2):376–86, Feb 76

Proceedings: Observations on the effects of nerve ischemia on nerve fibers and muscle. Conover GR. **J Am Osteopath Assoc** 75(3):346, Nov 75

Liver–originating isoenzymes of alkaline phosphatase in the serum: a paraneoplastic manifestation of a malignant schwannoma of the sciatic nerve. Henderson AR, et al. **J Clin Pathol** 29(3):237–40, Mar 76

Sciatic entrapment neuropathy. Case report. Banerjee T, et al. **J Neurosurg** 45(2):216–7, Aug 76

Myelin protein changes with digestion of whole sciatic nerve in trypsin. Peterson RG. **Life Sci** 18(8):845–9, 15 Apr 76

[Mucoid pseudo–cysts of the sheath of the external popliteal sciatic nerve. Apropos of 2 cases] Faivre J, et al. **Rev Neurol (Paris)** 131(10):709–20, Oct 75 (Eng. Abstr.) **(Fre)**

[A case of incomplete paralysis of the sciatic nerve during anticoagulant therapy] Ciciliot V, et al. **Minerva Med** 66(60):3043–7, 15 Sep 75 (Eng. Abstr.) **(Ita)**

ANALYSIS

Isolation from peripheral nerve of a protein similar to the glial fibrillary acidic protein. Dahl D, et al. **FEBS Lett** 66(2):281–4, 15 Jul 76

Gangliosides of peripheral nerve myelin. Fong JW, et al. **J Neurochem** 26(1):157–62, JAN 76

Deposition of lipids in the developing central and peripheral nervous systems of the chicken. Shaikh NA, et al. **J Neurochem** 26(3):597–603, Mar 76

Lipid composition of rat sciatic nerve. Klein F, et al. **Lipids** 11(7):506–12, Jul 76

ANATOMY & HISTOLOGY

An anatomical and histological study of the sciatic nerve, relating to peripheral nerve injuries in the dog and cat. Bennett D. **J Small Anim Pract** 17(6):379–86, Jun 76

BLOOD SUPPLY

[Some aspects of the microcirculation of the large sciatic nerve] Rottenberg N, et al. **Morphol Embryol (Bucur)** 22(2):79–82, Apr–Jun 76 **(Fre)**

DRUG EFFECTS

Electronmicroscopic study of the effect of 6–an on the sciatic nerve in newborn rats. Brzoska HR, et al. **Acta Neuropathol (Berl)** 33(1):59–66, 27 Oct 75

Dilute ethyl alcohol: effect on the sciatic nerve of the mouse. Taylor JJ, et al. **Arch Phys Med Rehabil** 57(5):233–7, May 76

Effect of vinblastine on neural regulation of metabolism in rat skeletal muscle. Kauffman FC, et al. **Exp Neurol** 50(1):60–6, Jan 76

Chemical excitability of axons: excitatory and inhibitory effects of putative neurotransmitters and modulators on frog sciatic nerves. Sabelli HC, et al. **Experientia** 31(9):1049–51, 15 SEP 75

Formation of lipoperoxide in isolated sciatic nerve by chinoform–ferric chelate. Yagi Y, et al. **Experientia** 32(7):905–6, 1976

The use of local anaesthetics to produce prolonged motor nerve block in the study of denervation hypersensitivity. Blunt RJ, et al. **Pfluegers Arch** 357(3–4):187–99, 26 Jun 75

Effects of ethanol on compound action potential and refractory periods of toad sciatic nerve. Quevedo L, et al. **Pharmacology** 14(2):148–52, 1976

Colchicine and the peripheral nerve. Mellick R, et al. **Proc Aust Assoc Neurol** 11:69–76, 1974

A modulatory effect of pituitary polypeptides on peripheral nerve and muscle. Strand FL, et al. **Prog Brain Res** 42:187–94, 1975

Proceedings: Effect of ketamine on sciatic nerve conduction. Jawalekar SR. **West Afr J Pharmacol Drug Res** 2(1):70P, Jun 75

Proceedings: Toxic sciatic neuropathy from intragluteal drug injections. Ohaegbulam SC. **West Afr J Pharmacol Drug Res** 2(1):69P, Jun 75

[Effect of narcotic analgesics on the cortical control process of impulse transmission in the afferent pathways of the sciatic nerve] Churiukanov VV, et al. **Farmakol Toksikol** 39(2):152–5, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Action of selenium on the generation and conduction of action potentials in isolated nerves of cold– and warm–blooded animals] pp. 32–4. Abdullaev GB, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Inhibition of choline acetyltransferase by tertiary alkylaminoethyl esters. Rowell PP, et al. **Biochem Pharmacol** 25(9):1093–9, 1 May 76

Rapid retrograde transport of dopamine–beta–hydroxylase as examined by the stop–flow technique. Brimijoin S, et al. **Brain Res** 102(2):217–28, 6 Feb 76

GROWTH & DEVELOPMENT

Relation of axon membrane to myelin membrane in sciatic nerve during development: comparison of morphological and chemical parameters. Yates AJ, et al. **Brain Res** 104(2):261–71, 12 Mar 76

INJURIES

Degenerative changes in mouse sciatic nerves: electrophoretic and electrophysiologic characterizations. Luttges MW, et al. **Exp Neurol** 50(3):706–33, Mar 76

[Nerve injuries in hip–dislocation fractures] Scherzer E, et al. **Hefte Unfallheilkd** (124):107–10, 1975 **(Ger)**

[Changes in nerve structure on one side of the body following section of the inferior alveolar and sciatic nerves on the opposite side of the body in dogs] Skopakov KhS. **Arkh Anat Gistol Embriol** 70(4):81–6, Apr 76 (Eng. Abstr.) **(Rus)**

METABOLISM

On the noradrenaline loading in axonal amine storage granules in rat crushed sciated nerves. Dahlström A, et al. **Acta Physiol Scand** 94(4):451–8, Aug 75

Rapid transport of noradrenaline in adrenergic axons of rat sciatic nerve distal to a crush. Häggendal J, et al. **Acta Physiol Scand** 94(3):386–92, Jul 75

Incorporation of radiophosphate in the inorganic and organic acid–soluble phosphate fractions of the rat sciatic nerve during Wallerian degeneration. II. After nerve crush (axonotmesis). Gueuning C, et al. **Biomedicine [Express]** 25(3):104–8, May 76

Compartments and barriers in the sciatic nerve of the rabbit. Bradbury MW, et al. **Brain Res** 103(3):515–26, 27 Feb 76

Decrease in myelin content of rabbit sciatic nerve with aging and diabetes. Spritz N, et al. **Diabetes** 24(7):680–3, Jul 75

Characterization of myelin of chick sciatic nerve during development. Oulton MR, et al. **J Lipid Res** 17(2):167–75, Mar 76

Temperature–dependence of rapid axonal transport in sympathetic nerves of the rabbit. Cosens B, et al. **J Neurobiol** 7(4):339–54, Jul 76

Components of O2–uptake by excised frog nerve dependent upon externally supplied sodium ions. Brink F Jr. **Proc Natl Acad Sci USA** 72(10):3988–92, Oct 75

PATHOLOGY

Primitive neuroectodermal tumor (neuroblastoma) arising in sciatic nerve of a child. Nesbitt KA, et al. **Cancer** 37(3):1562–70, Mar 76

Fiber size spectra and cyclic AMP content of sciatic nerves: effect of muscle hypoactivity and hyperactivity. Appenzeller O, et al. **Exp Neurol** 50(3):595–604, Mar 76

Chronic inflammatory polyradiculoneuropathy. Dyck PJ, et al. **Mayo Clin Proc** 50(11):621–37, Nov 75

PHYSIOLOGY

Adrenocortical responses following sciatic nerve stimulation in rats with partial hypothalamic deafferentations. Feldman S, et al. **Acta Endocrinol (Kbh)** 80(4):625–9, Dec 75

Hypothalamic and thalamic blood flow during somatic afferent stimulation in dogs. Sándor P, et al. **Am J Physiol** 231(1):270–4, Jul 76

Supersensitivity to ACh in muscles after prolonged nerve block. Lorković H. **Arch Int Physiol Biochim** 83(4):771–81, Oct 75

Ultra–slow inactivation of the ionic currents through the membrane of myelinated nerve. Fox JM. **Biochim Biophys Acta** 426(2):232–44, 5 Mar 76

Kinetics of the slow variation of peak sodium current in the membrane of myelinated nerve following changes of holding potential or extracellular pH. Neumcke B, et al. **Biochim Biophys Acta** 426(2):245–57, 5 Mar 76

Thalamic mechanisms that process a temporal pulse code for pain. Emmers R. **Brain Res** 103(3):425–41, 27 Feb 76

Ventral root projections of myelinated dorsal root ganglion cells in the cat. Loeb GE. **Brain Res** 106(1):159–65, 16 Apr 76

Absence of 'superfast' axonal transport in rat sciatic nerve. Bisby MA. **Can J Physiol Pharmacol** 53(5):958–63, Oct 75

The metabolic fate of 57Co-methylcobalamin in the rat with a crushed sciatic nerve--especially on the uptake by the nerve tissue and by muscles innervated by sciatic nerves. Kinoshita K, et al. **Chem Pharm Bull (Tokyo)** 22(10):2252–7, Oct 74

The freezing threshold of the peripheral motor nerve: an electrophysiological and light-microscopical study on the sciatic nerve of the rabbit. Lenz H, et al. **Cryobiology** 12(5):486–96, Oct 75

Measurement of current spread from microelectrodes when stimulating within the nervous system Bagshaw EV, et al. **Exp Brain Res** 25(4):391–400, 30 Jun 76

Burst patterns late in chick development and their behavioral implications. Stokes B. **Exp Neurol** 50(3):641–8, Mar 76

A simple approach to the toad's (Bufo melanostictus) nerve muscle preparation. Dasgupta SR, et al. **Experientia** 32(5):589–90, 15 May 76

Histochemical and biochemical approaches to axoplasmic transport to thiamine. pp. 311–7. Tanaka C, et al.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.

Effects of Co60 gamma radiations on the conduction properties of frog sciatic nerves. Nayar GN, et al. **Indian J Physiol Pharmacol** 19(4):187–92, Oct-Dec 75

Inhibition of adrenocortical responses following sciatic nerve stimulation in rats with medial forebrain bundle and mammillary peduncular lesions. Feldman S, et al. **Isr J Med Sci** 11(5):493–5, May 75

Cycloheximide alters axonal transport and subcellular distribution of dopamine-beta-hydroxylase activity. Brimijoin S. **J Neurochem** 26(1):35–40, JAN 76

Slowly adapting receptors in cat knee joint: can they signal joint angle? Clark FJ, et al. **J Neurophysiol** 38(6):1448–63, Nov 75

Mechanical factors influencing response of joint afferent neurons from cat knee. Grigg P. **J Neurophysiol** 38(6):1473–84, Nov 75

Proceedings: The presence of dopamine beta-hydroxylase activity in rabbit cerebrospinal fluid and its increase after sciatic nerve stimulation. De Potter WP. **J Physiol (Lond)** 258(1):26P–27P, Jun 76

Subcortical pathways involved in the mediation of andrenocortical responses following sciatic nerve stimulation. Feldman2 S, et al. **Neuroendocrinology** 18(4):359–65, 1975

Somatic-respiratory reflex and onset of regular breathing movements in the lamb fetus in utero. Condorelli S, et al. **Pediatr Res** 9(12):879–84, Dec 75

Potassium accumulation in the perinodal space of frog myelinated axons. Dubois JM, et al. **Pfluegers Arch** 358(2):111–24, 21 Jul 75

Inhibition of adrenocortical responses following sciatic nerve stimulation in rats with complete and partial hypothalamic deafferentation. Feldman S. **Prog Brain Res** 42:320, 1975

[On decrease in spike height of nerve action potential. A comparison between sciatic nerve and ENM (author's transl)] Matumoto M, et al. **J Physiol Soc Jpn** 37(4):73–81, Apr 75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Fast and slow axoplasmic flow in sciatic nerve of diabetic rats. Schmidt RE, et al. **Diabetes** 24(12):1081–5, Dec 75

Proceedings: Boutons terminaux in lumbar spinal cord following crush injury section, immediate and delayed repair of the sciatic nerve in the rat. Elias ER. **West Afr J Pharmacol Drug Res** 2(1):84P–85P, Dec 74

SURGERY

Polyglycolic acid suture in peripheral nerve II: sutured sciatic nerve. Hudson AR, et al. **Can J Neurol Sci** 3(1):69–72, Feb 76

ULTRASTRUCTURE

An x-ray study of the condensed and separated states of sciatic nerve myelin. Worthington CR, et al. **Biochim Biophys Acta** 436(3):707–18, 1 Jul 76

Disorder in nerve myelin: analysis of the diffuse x-ray scattering. Blaurock AE, et al. **J Mol Biol** 103(2):421–31, 15 May 76

Dysmyelination in the sciatic nerves of dystrophic mice. Okada E, et al. **J Neurol Sci** 28(4):505–20, Aug 76

[Changes of the peripheral nerves of dystrophic mice with special reference to quantitative analysis of the sciative nerve] Okada E, et al. **Clin Neurol (Tokyo)** 15(10):694–704, Oct 75 (Eng. Abstr.) **(Jpn)**

SCIATICA

see related
INTERVERTEBRAL DISK DISPLACEMENT

DIAGNOSIS

[Electromyography in low-back pain with sciatica] Leclaire R. **Union Med Can** 105(5):728–33, May 76 **(Fre)**

DRUG THERAPY

Chemonucleolysis: a double blind study comparing chemonucleolysis with intra discal hydrocortisone: in the treatment of backache and sciatica. Graham CE. **Clin Orthop** (117):179–92, Jun 76

Phenylbutazone in treatment of acute lumbago-sciatica. Grevsten S, et al. **Z Rheumatol** 34(11–12):444–7, Nov-Dec 75

[Use of a biological preparation in the treatment of cervicobrachialgia and lumbosciatalgia] Scapinelli R. **Clin Ortop** 24(3):203–9, Jul-Sep 73 (Eng. Abstr.) **(Ita)**

[100 cases of lumbago and sciatic syndromes treated with peridural cortisone] Porsia F, et al. **Minerva Med** 66(62):3231–2, 22 Sep 75 **(Ita)**

ETIOLOGY

The facet syndrome. Mooney V, et al. **Clin Orthop** (115):149–56, Mar-Apr 76

Aneurysm of the inferior gluteal artery causing sciatic pain. Case report. Rinaldi I, et al. **J Neurosurg** 44(1):100–4, Jan 76

Adhesive lesions of the nerve root in the dural orifice as a cause of sciatica. Lerman VI, et al. **Surg Neurol** 4(2):229–32, Aug 75

[Radicular sciatica due to an intrarachidian mucoid cyst in a child] Faivre J, et al. **Neurochirurgie** 21(2):169–76, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Chronic adhesive leptomeningitis of the cauda equina as a cause of ischaemic disturbances (author's transl)] Tedeschi N, et al. **Neurochirurgia (Stuttg)** 19(2):84–90, Mar 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The effect of delayed disc surgery on muscular paresis. Weber H. **Acta Orthop Scand** 46(4):631–42, Sep 75

[The H-reflex of the soleus and quadriceps muscles in radicular sciatica and crural neuralgia] Nehlil J, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):607–8, Oct-Dec 74 **(Fre)**

SURGERY

Division of the pyriformis muscle for the treatment of sciatica. Postlaminectomy syndrome and osteoarthritis of the spine. Mizuguchi T. **Arch Surg** 111(6):719–22, Jun 76

Facet denervation in the management of back and sciatic pain. Shealy CN. **Clin Orthop** (115):157–64, Mar-Apr 76

Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica. Shealy CN. **J Neurosurg** 43(4):448–51, Oct 75

Sciatica viewed as a referred pain syndrome. King JS, et al. **Surg Neurol** 5(1):46–50, Jan 76

[The role of surgery in the treatment of sciatica. An experience of more than 4000 operations] Sicard A. **Nouv Presse Med** 4(41):2937–41, 29 Nov 75 (Eng. Abstr.) **(Fre)**

[Ramotomy in lumbago--sciatica] Lindahl O. **Lakartidningen** 73(14):1314–5, 31 Mar 76 (Eng. Abstr.) **(Swe)**

THERAPY

Lumbar traction: a double-blind controlled study for sciatica. Mathews JA, et al. **Rheumatol Rehabil** 14(4):222–5, Nov 75

[New data on qualification of effectivity of balneotherapy in sciatica] Hlaváček A. **Reumatizam** 23(2):43–6, 1976 **(Cro)**

[Interest in epidural infiltration in low-back pain from disc involvement] Leduc BE. **Union Med Can** 105(5):748–51, May 76 (Eng. Abstr.) **(Fre)**

[Lumbosciatica and Nogier's auriculotherapy. Consideration on 50 cases] Torre L. **Minerva Med** 67(5):356–8, 31 Jan 76 **(Ita)**

[Results of ischalgia treatment in health resorts] Split W, et al. **Wiad Lek** 29(11):975–8, 1 Jun 76 (Eng. Abstr.) **(Pol)**

[Results of treatment with diadynamic currents of patients with some diseases associated with the pain syndrome] Kut'ma K, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):299–301, Jul-Aug 75 **(Rus)**

SCIENCE

see related
RELIGION AND SCIENCE

Intermozg. Varbanova A. **Acta Physiol Pharmacol Bulg** 1:94–5, 1974

The scientist and social policy on aging. Cohen ES. **Adv Exp Med Biol** 61:251–61, 1975

Editorial: The necessity for civil disputation . . . Dinman BD. **Am Ind Hyg Assoc J** 37(5):A–4, May 76

Research and education in times of inflation. Bowden. **Am Sci** 63(6):690–5, Nov-Dec 75

Institutions and science public policy. **Ann NY Acad Sci** 260:1–127, 3 Oct 75

Ethical responsibility in science in the face of uncertain consequences. Callahan D. **Ann NY Acad Sci** 265:1–12, 1976

Novel pressures on the advance of science. Davis BD. **Ann NY Acad Sci** 265:193–205, 1976

Scientific optimism and societal concerns a note on the psychology of scientists. Holton G. **Ann NY Acad Sci** 265:82–101, 1976

A psychiatrist looks at scientists looking at science. Michels R. **Ann NY Acad Sci** 265:112–7, 1976

Psychosocial reactions to scientific change. Marmor J. **Aust NZ J Psychiatry** 9(3):149–52, Sep 75

Science, statistics, and paired comparisons. Bradley RA. **Biometrics** 32(2):213–39, JUN 76

Letter: The psychiatrist in search of a science. Kreitman N. **Br J Psychiatry** 126:591–2, Jun 75

New library buildings. Part VI: Sciences Library, Brown University. Carson JR, et al. **Bull Med Libr Assoc** 64(2):179–86, Apr 76

Editorial: Physicians, the scientific community and the future of science. Euler U. **Can Med Assoc J** 114(9):751–2, 8 May 76

The influence of science and technology on medicine: a forecast. Thomas L. **Ciba Found Symp** (30):179–93, 1975

A bureaucratic determinant of scientific precedence or: 'scooped by the drug lag'. Morgan JP. **Clin Pharmacol Ther** 19(4):383–6, Apr 76

Clinical science. Campbell EJ. **Clin Sci Mol Med** 51(1):1–7, Jul 76

Editorial: The second face of science. Hess EL. **Fed Proc** 35(5):1111, Apr 76

Participation of biologists in the formulation of national science policy. Melnick VL, et al. **Fed Proc** 35(9):1957–62, Jul 76

Adventures of a woman in science. Weisstein N. **Fed Proc** 35(11):2226–31, Sep 76

Scientists and humanists. Callahan D. **Hastings Cent Rep** 6(3):20, 34, Jun 76

The roots of science and ethics. Engelhardt HT Jr. **Hastings Cent Rep** 6(3):35–8, Jun 76

Toward a theory of medical fallibility. Gorovitz S, et al. **Hastings Cent Rep** 5(6):13–23, Dec 75

Concepts of function and mechanism in medicine and medical science (hommage à Claude Bernard). pp. 51–66. Toulmin S.
In: Engelhardt HT Jr., Spicker SF, ed. Evaluation and explanation in the biomedical sciences. Dordrecht, Reidel, 1975. W3 PH609 v.1 1974.

Comparative studies in science and medicine: problems and perspectives. pp. 659–67. Mendelsohn E.
In: Kleinman A, et al., ed. Medicine in Chinese cultures. Bethesda, NIH, 1976. WB 50 JC6 M44 1974.

Man and science. Louros NC. **Int Surg** 61(1):9–11, Jan 76

The scientific method and acupuncture research. Sadowsky D. **J Am Dent Assoc** 93(2):355–6, Aug 76

Relationships between goal clarity, participation in goal setting, and personality characteristics on job satisfaction in a scientific organization. Arvey RD, et al. **J Appl Psychol** 61(7):103–5, Feb 76

Delivery of papers at scientific meetings. Audy JR. **J Biocommun** 1(2):30–3, Nov 74

The basic science curriculun problem in dental education: some causes and solutions. Adams AB. **J Dent Educ** 40(4):230–2, Apr 76

Editorial: The information explosion and scientific communication. Olsen TO. **J Dent Educ** 40(3):139, Mar 76

Proceedings of the annual session of the American Association for Dental Research. Opening address: science versus technology. Myers HM. **J Dent Res** 54 Spec no C:C35–6, Oct 75

Proceedings of the annual session of the American Association for Dental Research. Keynote address: the uses of basic science. Stetten D Jr. **J Dent Res** 54 Spec no C:C37–42, Oct 75

An enrichment program for minority students. Birch JS, et al. **J Med Educ** 50(11):1059–60, Nov 75

Policy-making in a negotiating society. Carey WD. **J Med Educ** 51(1):14–8, Jan 76

Evaluating student performance in a decentralized basic science program. Cullen TJ, et al. **J Med Educ** 51(6):473–7, Jun 76

Letter: The natural sciences. Prupas M. **J Med Educ** 51(5):442–3, May 76

Federal support of biomedical sciences: development and academic impact. Shannon JA. **J Med Educ** 51(7 Pt 2):1–98, Jul 76

New programs of medical education and the basic sciences. Fogel BJ. **J Natl Med Assoc** 68(3):170–1, 187, May 76

Proceedings: Scientific information, expert judgment and political decision making. Carpenter RA. **J Occup Med** 18(5):292–6, May 76

The world's one crime. Liechty RD. **JAMA** 235(1):76, 5 Jan 76

Letter: Basic science, science, and medical education. **Lancet** 1(7953):242, 31 Jan 76

Basic science, science, and medical education. Campbell EJ. **Lancet** 1(7951):134–6, 17 Jan 76

Letter: Basic sciences, science, and medical education. Skrabanek P. **Lancet** 1(7955):356–7, 14 Feb 76

The fear of science. Prioreschi P. **Med Hypotheses** 2(4):174–6, Jul-Aug 76

Editorial: Medicine: art and science. **Med J Aust** 2(1):4, 5 Jul 75

Medicine and public affairs. Trial run for a 'science court'. Greenberg DS. **N Engl J Med** 294(9):505–6, 26 Feb 76

Medicine and Public Affairs. The state of American science--a touch of anemia? Greenberg DS. **N Engl J Med** 294(13):737–8, 25 Mar 76

Medicine and Public Affairs. The sad odyssey of the new White House Science Office. Greenberg DS. **N Engl J Med** 295(4):235–6, 22 Jul 76

Art, science, and life. Craddock FW. **NZ Dent J** 71(325):136–8, Jul 75

Voices in the labyrinth: dialogues around the study of nature. Chargaff E. **Perspect Biol Med** 18(3):313–30, Spring 75

Science, politics, and society. Greep RO. **Perspect Biol Med** 18(2):211–26, Win 75

Scientific method in science and medicine. Medawar SP. **Perspect Biol Med** 18(3):345–52, Spring 75

Science and value. Visscher MB. **Perspect Biol Med**

18(3):299–305, Spring 75
Psychoanalysis as a science: its present status and its future tasks. Wallerstein RS. **Psychol Issues** 9(4):98–228, 1976
Editorial: Reflections on revolution in social structure and science. Rigler LG. **Radiology** 120(1):231–2, Jul 76
Technology policy and democracy. Casper BM. **Science** 194(4260):29–35, 1 Oct 76
Baccalaureate origins of american scientists and scholars. Tidball ME, et al. **Science** 193(4254):646–52, 20 Aug 76
[Editorial: Politicians, journalists and scientists] Riis P. **Ugeskr Laeger** 137(42):2465–6, 13 Oct 75 **(Dan)**
[Editorial: Doing and knowing] Boulet H. **Agressologie** 17(2):69–70, 1976 **(Fre)**
[Natural science contra parapsychology] Prokop O. **Arch Kriminol** 154(3–4):100–14, Sep–Oct 74 **(Ger)**
[Artificial induction of ketosis in lactating ewes using phlorizin infusions] Zander HD. **Berl Munch Tieraerztl Wochenschr** 89(1):5–7, 1 Jan 76 **(Ger)**
[Bridgework between psychology and science] des Monats B. **Med Monatsschr** 29(8):337–9, Aug 75 **(Ger)**
[Science policy between freedom and responsibility] Staudinger H. **Med Welt** 26(15):689–96, 11 Apr 75 **(Ger)**
[Copyright and natural sciences] Katzenberger P. **Naturwissenschaften** 62(12):555–64, Dec 75 (Eng. Abstr.) **(Ger)**
[Natural science and medicine] Staudinger H. **Verh Dtsch Ges Inn Med** 81:1–10, 1975 **(Ger)**
[Philosophy and science] Mocek R. **Z Gesamte Hyg** 21(6):445–54, Jun 75 (Eng. Abstr.) **(Ger)**
[The role of science in this deeply troubled world (author's transl)] Handler P. **J Jpn Biochem Soc** 47(7):293–302, 25 Jul 75 **(Jpn)**
[Information science and human science] Kamahora J. **Jpn J Med Electron** 12 SUPPL:6, Sep 74 **(Jpn)**
[Internship in a community hospital. Experience gained in the 'Faculdade de Ciências Médicas e Biológicas de Botucatu' (author's transl)] Meira DA, et al. **Rev Bras Pesqui Med Biol** 9(2–3):155–68, Mar–Jun 76 **(Por)**
[Participation of pathological physiology on the formation of natural-science principles in dialectic-materialism] Varga J, et al. **Cesk Fysiol** 24(5):462–5, 1975 **(Slo)**
[Basic sciences and the development of new drugs] Villarreal–Castelazo J. **Gac Med Mex** 111(3):193–5, Mar 76 **(Spa)**
[Laparoscopy. A surgical and diagnostic method] Leyton H, et al. **Rev Chil Obstet Ginecol** :80–8, 1975 **(Spa)**
[Editorial: Science in the service of man?] Viniegra L. **Rev Invest Clin** 27(3):169–70, Jul–Sep 75 **(Spa)**

HISTORY

Publish and/or perish. Comroe JH Jr. **Am Rev Respir Dis** 113(4):561–5, Apr 76
The course of science and cardiac metabolism. Bing RJ. **Circ Res** 38(5 Suppl 1):I151–5, May 76
Scientific empiricism in the Middle Ages: Albertus Magnus on sexual anatomy and physiology. Shaw JR. **Clio Med** 10(1):53–64, Apr 75
One hundred first critical bibliography of the history of science and its cultural influences (to January 1976). Neu J. **Isis** 67(240):1–179, 1976
Reflections on 200 years of science in the United States. Reingold N. **Nature** 262(5563):9–13, 1 Jul 76
Richard Bright in Iceland—1810. Becker EL, et al. **Trans Am Clin Climatol Assoc** 87:179–91, 1976
Personal and societal values of academies of science. The 1974 Lehman Award lecture. Bronk DW. **Trans NY Acad Sci** 37:27–34, 1975
[History of the natural sciences in Aarau] Balmer H. **Gesnerus** 33(1–2):108–20, 1976 (Eng. Abstr.) **(Ger)**
[Origin and problems of specialty departments at science meetings of natural scientists in the period of 1828–1886] Querner H, et al. **Med Monatsschr** 29(4):165–9, APR 75 **(Ger)**
[History of science and epistemology (in the controversy between K.R.Popper. T. S. Kuhn and P. K. Feyerabend)] Antiseri D. **Med Secoli** 12(1):13–64, Jan–Apr 75 **(Ita)**
[The scientific methodology of Louis Pasteur in the light of the advanced epistemology of Karl R. Popper] Bonora F. **Med Secoli** 12(1):77–108 contd, Jan–Apr 75 **(Ita)**
[Popper and the conquest of neopositivism (the carnap–popper controversy concerning science)] Valdré L. **Med Secoli** 12(3):395–411, Sep–Dec 75 **(Ita)**

SCIENTIFIC SOCIETIES see **SOCIETIES, SCIENTIFIC**

SCILLAREN see under **CARDIAC GLYCOSIDES**

SCILLARENIN see under **BUFANOLIDES**

SCINTILLATION COUNTERS

Brain imaging. Greenfield LD, et al. **Am Fam Physician** 13(4):95–102, Apr 76
Noninvasive diagnosis of a false left ventricular aneurysm with radioisotope gated cardiac blood pool imaging. Differentiation from true aneurysm. Botvinick EH, et al. **Am J Cardiol** 37(7):1089–93, Jun 76
Measurement of regional myocardial blood flow in man: description and critique of the method using xenon–133 and a scintillation camera. Cannon PJ, et al. **Am J Cardiol** 36(6):783–92, Nov 75
A simple method for the differential counting of 14C and 32P using a polyethylene minivial. Noble RC, et al. **Anal Biochem** 68(1):345–47, Sep 75
Exclusion of the sample sorption effects on the instability of liquid scintillation by emulsion counting. Tykva R. **Anal Biochem** 70(2):621–3, Feb 76
Cryptic 'photon' quenching in dioxane–based liquid scintillation mixtures. Wombacher H, et al. **Anal Biochem** 74(2):526–36, Aug 76
Bone–imaging and semiconductor probe measurements of technetium–99m–polyphosphate in the detection of periapical pathology in the dog. Garcia DA, et al. **Arch Oral Biol** 21(3):167–74, 1976
Letter: Quench–correction techniques in liquid scintillation. Painter K. **Clin Chem** 22(6):928, Jun 76
Liquid scintillation alpha particle assay with energy and pulse shape discrimination. Cross P, et al. **Health Phys** 30(3):303–6, Mar 76
A method for the disposal of liquid scintillation vials. Twite GM. **Health Phys** 30(6):499, Jun 76
NaI (T1) detector efficiency calculations for distributed sources in a human phantom. Andrási A, et al. **Int J Appl Radiat Isot** 26(8):451–4, Aug 75
Characteristics of a NaI(T1) scintillation chamber. Bruninx E. **Int J Appl Radiat Isot** 26(6–7):429–30, Jun–Jul 75
Improved separation of 3H and 125I spectra in liquid scintillation counting by doping with thallium and lead. Lundqvist H, et al. **Int J Appl Radiat Isot** 27(4):233–7, Apr 76
Liquid scintillation counting of tritiated water in plasma following dioxane precipitation. Springell PH, et al. **Int J Appl Radiat Isot** 27(2):85–8, Feb 76
An improved gamma well counter for radioactive tracer applications. ten Haaf FE, et al. **Int J Appl Radiat Isot** 27(2):79–84, Feb 76
Proceedings: A mathematical basis for study of circulation using injection of radioactive indicator bolus and external scintillation detectors. Kelso AF, et al. **J Am Osteopath Assoc** 75(5):527–8, Jan 76
Liquid scintillation counting for measurement of tritiated uptake in lymphocyte transformation in vitro: a new direct–suspension procedure. Bader CA, et al. **J Immunol Methods** 9(3–4):307–14, 1976
Clinical assessment of left ventricular regional contraction patterns and ejection fraction by high–resolution gated scintigraphy. Berman DS, et al. **J Nucl Med** 16(10):865–74, Oct 75
Bone mineral content determined by functional imaging. DePuey EG, et al. **J Nucl Med** 16(10):891–5, Oct 75
Potential errors in the radioassay of 125I. Hunter D, et al. **J Nucl Med** 16(10):952–4, Oct 75
Functional imaging of intrarenal blood flow using scintillation camera and computer. Ishii Y, et al. **J Nucl Med** 16(10):899–907, Oct 75
The use of non–ionic industrial detergents in liquid scintillation counting. Wood P, et al. **Lab Pract** 24(11):739–40, Nov 75
Measurement of three–hour calcium absorption by double isotope technique. A critical evaluation. Raymakers JA, et al. **Neth J Med** 18(5):191–204, 1975
Liquid–scintillation energy and pulse–shape detection applied to low–level alpha radioassay. McKlveen JW. **Radiat Res** 66(2):199–214, May 76
67Ga citrate in renal allograft rejection. George EA, et al. **Radiology** 117(3 Pt 1):731–3, Dec 75
133Xe muscle clearance: a screening test for arterial occlusive disease. Pozderac RV, et al. **Radiology** 117(3 Pt 1):633–5, Dec 75
[Adaptation of collimator–detector system for scintigraphical objectives] pp. 295–306. Tautz M. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**
[Measuring assembly for function diagnosis with stable substances (author's transl)] Sošin LD, et al. **Radiol Diagn (Berl)** 15(1):67–72, 1974 (Eng. Abstr.) **(Ger)**
[New miniature scintillation counter for regional blood flow measurements in small tissue volumes] Jordan K, et al. **Strahlentherapie [Sonderb]** 74:514–8, 1975 (Eng. Abstr.) **(Ger)**
[Evaluation of the accuracy of 59 Fe measurements in ferrokinetic studies using solid and liquid scintillation counting] Barosi G, et al. **Boll Soc Ital Biol Sper** 51(20):1399–405, 30 Oct 75 **(Ita)**
[Vitamin B12 absorption test by a whole body counter (plastic scintillator). (1) Experimental study] Morishita R, et al. **Jpn J Nucl Med** 12(4):367–75, Aug 75 (Eng. Abstr.) **(Jpn)**
[Lymphocyte blast transformation reaction in the whole blood culture. Quantitative evaluation with the aid of a scintillation counter] Nazarov PG, et al. **Lab Delo** (4):195–8, 1975 **(Rus)**

INSTRUMENTATION

A new radioisotopic technic for the measurement of gastric emptying time of solid meal. Chaundhuri TK, et al. **Am J Gastroenterol** 65(1):46–51, Jan 76
A low cost gamma–vial for counting 125I with a liquid scintillation counter. Meunier JC. **Clin Chim Acta** 66(1):141–4, 2 Jan 76
High–resolution radioisotopic measurements of calcium, strontium, and barium in heart. Sanborn WG. **J Appl Physiol** 39(3):503–8, Sep 75
Letter: Design of a new liquid scintillation vial. Fernandez–Pol JA. **J Nucl Med** 16(10):963, Oct 75
Biomedical probe using a fiber–optic coupled scintillator. Swinth KL, et al. **Med Phys** 3(2):109–12, Mar–Apr 76
A scintillation camera technique for quantitative estimation of separate kidney function and its use before nephrectomy. Larsson I, et al. **Scand J Clin Lab Invest** 35(6):517–24, Oct 75
[Quantitative processing of scintigraphical data with combination of scintillation camera and multichannel analyzer] pp. 317–22. Potschwadek B, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**
[Use of plastic scintillators for counting I–125–containing samples] Poliak MG, et al. **Med Radiol (Mosk)** 20(9):67–8, Sep 75 **(Rus)**

STANDARDS

Letter: Gain instability of scintillation detectors and consequences for dynamic tracer studies. Van Duyl WA, et al. **Br J Radiol** 48(576):1037–8, Dec 75
Effects of permeability of polyethylene vials in liquid scintillation counting. Neame KD. **Int J Appl Radiat Isot** 26(6–7):393–7, Jun–Jul 75
Letter: Instability of liquid scintillation counting due to sample sorption to the counting vial. Tykva R, et al. **Int J Appl Radiat Isot** 26(8):495–8, Aug 75
Letter: Factors causing anomalous results in liquid scintillation counting. Wigfield DC. **Int J Appl Radiat Isot** 27(2):129–30, Feb 76 Moretti JL, et al. **Radiology** 119(1):157–66, Apr 76

SCLERA

Scleral preplaques and plaques in Eskimos. The incidence in West Greenland Eskimos compared with that in Copenhagen Caucasians. Norn MS. **Acta Ophthalmol (Kbh)** 53(6):894–900, Dec 75
Paralimbal scleromalacia. So–called spontaneous scleral intercalary perforation. Sorensen TB. **Acta Ophthalmol (Kbh)** 53(6):901–7, Dec 75
Fibrous histiocytoma of the corneoscleral limbus. Faludi JE, et al. **Am J Ophthalmol** 80(4):619–24, Oct 75
Glaucoma in episcleritis. Harbin TS Jr, et al. **Arch Ophthalmol** 93(10):948–50, Oct 75
Cornea and sclera. Lemp MA. **Arch Ophthalmol** 94(3):473–90, Mar 76 (142 ref.)
Evaluation of eyes enucleated for scleritis. Fraunfelder FT, et al. **Br J Ophthalmol** 60(3):227–30, Mar 76
Episcleritis and scleritis. A study of their clinical manifestations and association with rheumatoid arthritis. McGavin DD, et al. **Br J Ophthalmol** 60(3):192–226, Mar 76
Scleritis and episcleritis. Watson PG, et al. **Br J Ophthalmol** 60(3):163–91, Mar 76
Blue sclerae in monozygotic twins: a family study of osteogenesis imperfecta in three generations. Jain SC, et al. **Eye Ear Nose Throat Mon** 54(10):385–6, Oct 75
Prevention of scleral collapse during vitreous or intraocular surgery. pp. 136–41. Girard LJ. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**
Precancerous epithelioma of the limbus. Sood NN, et al. **Indian J Ophthalmol** 23(1):32–5, Apr 75
Sclerotenonitis and orbital myositis. Occurrence in collagenous diseases. Leira H. **Mod Probl Ophthalmol** 14:669–74, 1975
Intrascleral schwannoma. Quintana M, et al. **Ophthalmologica** 173(1):64–9, 1976
Scleritis associated with hyperuricaemia. Scharf J, et al. **Rheumatol Rehabil** 14(4):251–2, Nov 75
Control of bleb fibrosis after glaucoma surgery by anti–inflammatory agents. Molteno AC, et al. **S Afr Med J** 50(23):881–5, 29 May 76
Scleral dehiscences, anterior staphyloma, and retinal detachment – Part 1: Incidence and pathogenesis. Faris B, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP851–3, Nov–Dec 75
Scleral dehiscences, anterior staphyloma, and retinal detachment – Part 2: Surgical management. Freeman HM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP854–7, Nov–Dec 75
Cervical fibrosclerosis with episcleritis. House JM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):492–5, Sep–Oct 75
Visual loss due to posterior segment disease in scleritis. Cleary PE, et al. **Trans Ophthalmol Soc UK** 95(2):297–300, Jul 75
Incidence of eye disease in cases of connective tissue disease. Williamson J. **Trans Ophthalmol Soc UK** 94(3):742–52, Sep 74
[Inflmmation of sclera] Fechner PU. **Buech Augenarzt** 67(0):260, 1976 **(Ger)**
[Echographic studies in cases of excentric posterior scleral ectasias (author's transl)] Makabe R. **Klin Monatsbl Augenheilkd** 167(1):97–101, Jul 75 (Eng. Abstr.) **(Ger)**
[Increase in the lumen of Schlemm's canals with increase in ultraocular pressure] Grote P. **Ophthalmologica**

172(1):57–61, 1976 (Eng. Abstr.) **(Ger)**

I[In vivo measurements of the lumen of Schlemm's canal in chronic simple glaucoma] Grote P. **Ophthalmologica** 172(1):52–6, 1976 (Eng. Abstr.) **(Ger)**

[Fluorescein fundusgraphy by retrobulbar injection. II. Experimental studies on clinical application of 'chemical' transillumination (author's transl)] Miyake K, et al. **Acta Soc Ophthalmol Jpn** 79(8):969–75, Aug 75 (Eng. Abstr.) **(Jpn)**

[Effects of dissection of the medial rectus muscle on the deformation of the eyeball] Fabiszewska-Górna D. **Klin Oczna** 46(1):45–9, Jan 76 (Eng. Abstr.) **(Pol)**

[Limbic neoplasm with an unusual histological aspect] Buiuc S, et al. **Rev Chir [Oftalmol]** 19(2):139–42, Apr–Jun 75 **(Rum)**

[Unusual case of ocular manifestation of collagenosis] Cânciu G, et al. **Rev Chir [Oftalmol]** 19(4):293–5, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[An episcleral inclusion cyst] Mihail S, et al. **Rev Chir [Oftalmol]** 18(5):411–3, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Scleral sinus (Schlemm's canal): morphology and function] Brikman VG. **Vestn Oftalmol** (1):83–7, 1976 **(Rus)**

[Glycerin–tonographic test for the evaluation of the condition of the ocular drainage system] Vurgaft MB, et al. **Vestn Oftalmol** (6):12–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Proceedings: Thin sclerae. A clinical illusion. Rooney PJ, et al. **Ann Rheum Dis** 34(5):465, Oct 75

[Syndrome of the blue sclera (Van der Hoeve–Lobstein)] Kojić M. **Med Pregl** 29(3–4):143–5, 1976 **(Ser)**

BLOOD SUPPLY

Episcleral venous pressure and flow dynamics. Widakowich J. **Acta Ophthalmol (Kbh)** 54(4):500–6, Aug 76

Glaucoma with elevated episcleral venous pressure. Bigger JF. **South Med J** 68(11):1444–8, Nov 75

[Ciliary vein in monkey (author's transl)] Araki M. **Acta Soc Ophthalmol Jpn** 79(6):590–3, 10 Jun 75 (Eng. Abstr.) **(Jpn)**

[Vacuum–goniolens for retrograde filling of Schlemm's canal with blood] Alekseev BN, et al. **Vestn Oftalmol** (1):12–4, 1976 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Microcinematographic study of goniocytes in culture before and after application of cortisone] François J, et al. **Bull Mem Soc Fr Ophtalmol** (87):29–34, 1976 **(Fre)**

EMBRYOLOGY

Establishment of the scleral cartilage in the chick. Stewart PA, et al. **Dev Biol** 46(2):383–9, Oct 75

Some aspects of corneal and scleral differnitation in the primate. Ozanics V, et al. **Exp Eye Res** 22(4):305–27, Apr 76

INJURIES

Scleral perforation. A complication of the soft contact lens. Brown SI, et al. **Arch Ophthalmol** 93(10):1047–8, Oct 75

Scleral strength impairment and recovery after diathermy. Schwartz A, et al. **Arch Ophthalmol** 93(11):1173–7, Nov 75

[Proceedings: Management of perforating corneoscleral injury using a surgical microscope] Zissiadis K, et al. **Ber Dtsch Ophthalmol Ges** (73):631, 1975 **(Ger)**

[Various problems in the treatment of corneal and scleral wounds] Oláh Z. **Cesk Oftalmol** 32(2):150–6, Mar 76 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Scleral tuberculosis. Bloomfield SE, et al. **Arch Ophthalmol** 94(6):954–6, Jun 76

Cellular blue nevus of the sclera. Smith TR, et al. **Arch Ophthalmol** 94(4):618–20, Apr 76

An unusually large human eye with abnormal scleral collagen. Virgilio LA, et al. **Arch Ophthalmol** 94(1):101–5, Jan 76

Subconjunctival and episcleral lipid deposits. Fraunfelder FT, et al. **Br J Ophthalmol** 60(7):532–5, Jul 76

Biopsy of human scleral–chorioretinal tissue. Peyman GA, et al. **Invest Ophthalmol** 14(9):707–10, Sep 75

Anterior segment changes in connective tissue disease. Watson PG. **Trans Ophthalmol Soc UK** 94(3):773–84, Sep 74

PHYSIOLOGY

Pressure effects on the endothelium of the trabecular wall of Schlemm's canal: a study by scanning electron microscopy. Lee WR, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):255–65, 5 Sep 75

[Studies on local ERG evoked by transscleral spot illumination (author's trans)] Fukuchi S, et al. **Acta Soc Ophthalmol Jpn** 79(9):1184–91, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Radial distribution of the electroretinogram of rabbits followed by reference electrodes on the sclera (author's transl)] Honda Y, et al. **Acta Soc Ophthalmol Jpn** 80(4):217–21, 1976 (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical landmarks in trabecular surgery. Galin MA, et al. **Am J Ophthalmol** 80(4):696–701, Oct 75

Thermotrabeculocanalotomy: preliminary report. Ganias F. **Ann Ophthalmol** 7(8):1107–10, Aug 75

Corneoscleral cautery. Pathology and technique. Wadsworth JA. **Arch Ophthalmol** 94(4):633–6, Apr 76

Scheie operation for aphakic glaucoma. Mortada A, et al. **Bull Ophthalmol Soc Egypt** 67:97–101, 1974

Subscleral limbectomy. Sheta A, et al. **Bull Ophthalmol Soc Egypt** 68:267–8, 1975

The increased certainty and the increased correction of the bare sclera closure with bimedial recession. pp. 441–2. Knapp P.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Trabeculectomy ab–externo. Mehta KR, et al. **Indian J Ophthalmol** 22(3):9–12, Sep 74

The partial–punch: a new combined cataract–glaucoma operation. Spaeth GL, et al. **Ophthalmic Surg** 7(1):53–7, Spring 76

Cataract extraction with trabeculectomy. Rich W. **Trans Ophthalmol Soc UK** 94(2):458–67, Jul 74

[Trabecular microsurgery in glaucoma] Hung PT, et al. **J Formosan Med Assoc** 74(11):697–701, Nov 75 (Eng. Abstr.) **(Chi)**

[2–year results of trabeculectomy at the ophthalmological clinic of Hôtel–Dieu (1973–1974)] Offret G, et al. **Arch Ophtalmol (Paris)** 36(2):137–46, Feb 76 (Eng. Abstr.) **(Fre)**

[Combined trabeculectomy–phacoerysis surgery. (Apropos of 15 cases)] Boudet C, et al. **Bull Soc Ophtalmol Fr** 74(7–8):739–45, Jul–Aug 74 **(Fre)**

[Preliminary note on iridocycloretraction. Technics and indications] Etienne R, et al. **Bull Soc Ophtalmol Fr** 74(7–8):761–3, Jul–Aug 74 **(Fre)**

[Considerations on the respective indications for goniotomy, trabeculotomy, and trabeculectomy during congenital glaucoma] Goddé–Jolly D, et al. **Bull Soc Ophtalmol Fr** 75(3):269–75, Mar 75 **(Fre)**

[Results of trabeculectomy in closed–angle glaucoma] Razemon P, et al. **Bull Soc Ophtalmol Fr** 74(7–8):837–9, Jul–Aug 74 **(Fre)**

[Fistulization surgery under the scleral flap: technical avantages] Royer J, et al. **Bull Soc Ophtalmol Fr** 74(11):1061–6, Nov 74 **(Fre)**

[Indication, technic and results of 'goniotrepanation with a scleral lid' in primary chronic glaucoma] Hollwich F, et al. **Ber Dtsch Ophthalmol Ges** (73):334–7, 1975 **(Ger)**

[Proceedings: Diascleral extraction of a cysticercous cyst] Konstas P, et al. **Ber Dtsch Ophthalmol Ges** (73):636–7, 1975 **(Ger)**

[Cure of scleromalacia perforans manifesting in the course of rheumatoid arthritis with d–penicillamine and fascia lata–autograft (author's transl)] Balla L, et al. **Klin Monatsbl Augenheilkd** 167(3):484–8, Sep 75 (Eng. Abstr.) **(Ger)**

[The mode of action and technique of trabeculectomy. II. Technique of trabeculectomy (author's transl)] Benedikt O. **Klin Monatsbl Augenheilkd** 167(6):864–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Effectiveness of the operation of scleral buckling with sealing using dehydrated homotissues in severe and complicated cases of retinal detachment] Goriachev IuE. **Oftalmol Zh** 30(8):588–91, 1975 (Eng. Abstr.) **(Rus)**

[Results of trabeculectomy in primary open–angle glaucoma] Abramov VG, et al. **Vestn Oftalmol** (4):3–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Microforage operation of the sclera in open–angle glaucoma] Katsnel'son LA, et al. **Vestn Oftalmol** (6):4–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Combined operation of cataract extraction and sinus trabeculectomy] Khasanova NKh, et al. **Vestn Oftalmol** (6):3–4, Nov–Dec 75 **(Rus)**

[Cataract extraction combined with sinusotomy in patients with glaucoma] Koretskaia IuM, et al. **Vestn Oftalmol** (4):45–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Morphological basis of the use of biological sutures in ocular microsurgery (experimental study)] Vakhedi AS, et al. **Vestn Oftalmol** (1):29–34, 1976 **(Rus)**

[Scleral trepanation and provention of complications following surgery on the eye] Kliachko LI. **Voen Med Zh** (2):83–5, Feb 76 **(Rus)**

TRANSPLANTATION

Cicatricial upper lid entropion. Treated with banked scleral graft. Tenzel RR, et al. **Arch Ophthalmol** 93(10):999–1000, Oct 75

Scleral transplantation in oculoplastic surgery. pp. 145–54. Soll DB.
In: Guibor P, Smith B, ed. Contemporary oculoplastic surgery. New York, Stratton, 1974. WW 168 A5104c 1974.

Scleral patch for exposed silicone buckles. Wilson RS, et al. **Ophthalmic Surg** 6(3):83–5, Fall 75

[Scleroplasty in severe eye injuries and their sequelae] Gundorova RA. **Oftalmol Zh** 30(7):483–5, 1975 (Eng. Abstr.) **(Rus)**

[Intracorneal transplantation of the sclera as a method of closing defects of the iris in experiments] Linnik LF, et al. **Oftalmol Zh** 30(7):543–5, 1975 (Eng. Abstr.) **(Rus)**

[Prevention of progressive myopia by the scleroplasty method] Zakharov VD, et al. **Oftalmol Zh** 30(7):485–8, 1975 (Eng. Abstr.) **(Rus)**

[Eye banks for the purpose of keratoscleroplasty] Eroshevskiĭ TI, et al. **Vestn Oftalmol** (4):60–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Late outcomes of homoscleroplasty in progressive myopia] Zaĭkova MV, et al. **Vestn Oftalmol** (4):26–31, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Plastic surgery for burns of the front of the eyeball] Somov EE. **Voen Med Zh** (6):32–4, Jun 75 **(Rus)**

ULTRASTRUCTURE

Pressure–induced changes in the ultrastructure of the endothelium lining Schlemm's canal. Grierson I, et al. **Am J Ophthalmol** 80(5):863–84, Nov 75

[Scanning microscopic aspects of the normal and pathological trabeculum. Effect of trabeculotomy] Renard G, et al. **Bull Soc Ophtalmol Fr** 75(9–10):821–6, Sep–Oct 76 (Eng. Abstr.) **(Fre)**

SCLERAL BUCKLING

Prognosis of primary rhegmatogenous retinal detachments. 1. Associations between clinical detachment characteristics, subretinal fluid butyrylcholinesterase and visual outcome following scleral buckling procedures. Kaufman PL. **Acta Ophthalmol (Kbh)** 53(4):660–71, Sep 75

Prognosis of primary rhegmatogenous retinal detachments. 2. Accounting for and predicting final visual acuity in surgically reattached cases. Kaufman PL. **Acta Ophthalmol (Kbh)** 54(1):61–74, Feb 76

Management of traumatic retinal detachment with pars plana vitrectomy, scleral buckling, and gas injection. Peyman GA, et al. **Acta Ophthalmol (Kbh)** 53(5):731–7, Nov 75

Effect of retinal detachment surgery on the course of preexisting open–angle glaucoma. Friedman Z, et al. **Am J Ophthalmol** 80(4):702–5, Oct 75

Scleral buckling in retinoblastoma: case report. Pruett RC. **Ann Ophthalmol** 7(8):1115–20, Aug 75

Dry detachment surgery. Patnaik B, et al. **Indian J Ophthalmol** 22(3):13–6, Sep 74

Further studies in the use of hyperbaric oxygen in retinal detachment with sickle cell anemia. Freilich DB, et al. **Mod Probl Ophthalmol** 15:313–7, 1975

Intravitreous air injection and the Custodis procedure. O'Connor PR. **Ophthalmic Surg** 7(2):86–9, Summer 76

Extraocular observations in episcleral sponge implants. Theodossiadis G, et al. **Ophthalmologica** 171(6):439–50, 1975

Scleral dehiscences, anterior staphyloma, and retinal detachment – Part 2: Surgical management. Freeman HM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP854–7, Nov–Dec 75

Angel–closure glaucoma following scleral buckling operations. Perez RN, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):247–52, Mar–Apr 76

[Study of the causes of failure of the scleral pocket] Bronner A, et al. **Bull Soc Ophtalmol Fr** 74(5–6):685–7, May–Jun 74 **(Fre)**

ADVERSE EFFECTS

A case of late pseudomonas ocular infection following scleral buckling. Romem M, et al. **Acta Ophthalmol (Kbh)** 54(4):401–7, Aug 76

Scleral patch for exposed silicone buckles. Wilson RS, et al. **Ophthalmic Surg** 6(3):83–5, Fall 75

The influence of subconjunctival depot corticosteroid on choroidal detachment following retinal detachment surgery. Burton TC, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP845–9, Nov–Dec 75

[Some clinical aspects concerning diplopia after retinal detachment surgery with cryopexy and episcleral silastic sponge (author's transl)] Theodossiadis G, et al. **Klin Monatsbl Augenheilkd** 166(4):423–31, Apr 75 (Eng. Abstr.) **(Ger)**

METHODS

Scleral buckling with Bioplast fibrin in retinal detachment. Grósz ID, et al. **Acta Ophthalmol (Kbh)** 54(4):408–16, Aug 76

External buckling without drainage for selected detachments in aphakic eyes. O'Connor PR. **Am J Ophthalmol** 82(3):358–64, Sep 76

Limits of constriction in the treatment of retinal detachment. Lincoff H, et al. **Arch Ophthalmol** 94(9):1473–7, Sep 76

Ocular findings six years after intravitreal silicone injection. Sugar HS, et al. **Arch Ophthalmol** 94(4):612–5, Apr 76

Scleral buckling procedures and/or vitrectomy for traction detachments. pp. 561–8. Okun E, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Radial buckling in the repair of retinal detachment. Lincoff H. **Int Ophthalmol Clin** 16(1):127–34, Spring 76

External buckling without drainage. O'Connor PR. **Int Ophthalmol Clin** 16(1):107–26, Spring 76

Encircling operations without drainage of subretinal fluid. Lincoff H, et al. **Mod Probl Ophthalmol** 15:188–96, 1975

The surgical treatment of retinal detachment due to equatorial giant tears. Wessing A, et al. **Mod Probl Ophthalmol** 15:328–38, 1975

[Local indentation of the sclera by means of the Achilles tendon in the treatment of retinal detachment] Khasanova

NKh, et al. **Oftalmol Zh** 30(7):489–90, 1975 (Eng. Abstr.) **(Rus)**

SCLEREDEMA ADULTORUM

DIAGNOSIS

? Scleredema of Buschke ? Eosinophilic fasciitis. Atherton DJ, et al. **Br J Dermatol** 95 Suppl 24:36–7, Jul 76

[Scleredema adultorum] Stępień–Dobrowolska M, et al. **Pol Tyg Lek** 31(11):449–50, 15 Mar 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Ultrastructural abnormalities in the skin nerves of a patient with scleredema adultorum (Buschke) and diabetes mellitus. van de Staak WJ, et al. **Dermatologica** 151(4):223–7, 1975

SCLEREMA NEONATORUM

COMPLICATIONS

Exchange transfusion in severe neonatal infection with sclerema. Xanthou M, et al. **Arch Dis Child** 50(11):901–2, Nov 75

DIAGNOSIS

Unexplained pneumoperitoneum and sclerema neonatorum. Stanley–Brown EG, et al. **J Pediatr Surg** 11(1):123–4, Feb 76

SCLERODERMA, CIRCUMSCRIBED

Letter: A scleroderma–like syndrome with fasciitis, myositis, and eosinophilia. Schumacher HR. **Ann Intern Med** 84(1):49–50, Jan 76

Acute widespread morphoea. James MP, et al. **Br J Dermatol** 95 Suppl 24:34–5, Jul 76

BLOOD

Serum renin and renin substrate levels in scleroderma. Fleischmajer R, et al. **Proc Soc Exp Biol Med** 150(2):374–9, Nov 75

CHEMICALLY INDUCED

[Procceedings: Polyvinylchloride disease with acroscleroderma] Miller W, et al. **Hautarzt** 26(7):387, Jul 75 **(Ger)**

COMPLICATIONS

Case report. The nonspecific rheumatoid subcutaneous nodule: its presence in fibrositis and scleroderma. Zuckner J, et al. **Am J Med Sci** 271(1):69–75, Jan–Feb 76

Generalized morphoea with bullous lesions and psoriasis. Burns DA, et al. **Br J Dermatol** 95 Suppl 24:33–4, Jul 76

[Melorheostosis with osteopoikilosis aspect and extensive sclero–atrophy] Desproges–Gotteron R, et al. **Rev Rhum Mal Osteoartic** 43(5):379–84, May 76 **(Fre)**

[Facial scleroderma] Slesinger MJ. **Rev Stomatol Chir Maxillofac** 77(2):427–9, Mar 76 **(Fre)**

[Catamnestic studies on cancer syntropy in dermatomyositis and sclerodermia] Kreysel HW, et al. **Med Welt** 27(9):419–25, 27 Feb 76 (98 ref.) **(Ger)**

[Scleroderma–like skin and muscle changes in children with phenylketonuria] Stachów A, et al. **Pediatr Pol** 50(12):1441–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Sclerodermia profunda cum sclerodermia circumscripta] Kubicz J. **Przegl Dermatol** 62(4):585–9, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Penicillamine in the treatment of morphoea and keloid in children. Moynahan EJ. **Postgrad Med J** 50 Suppl 2:39–41, Aug 74

[Therapeutic action of coagulation factor XIII in scleroderma. 20 cases] Thivolet J, et al. **Nouv Presse Med** 4(39):2779–82, 15 Nov 75 (Eng. Abstr.) **(Fre)**

[Letter: Therapy of generalized circumscribed scleroderma] Korting GW. **Med Welt** 26(31–32):1428, 8 Aug 75 **(Ger)**

[Observations of the course of scleroderma after combined Hylase–carnitine therapy] Nitzschner H. **Z Aerztl Fortbild (Jena)** 69(21):1108, 1 Nov 75 **(Ger)**

[Effect of piascledine treatment of scleroderma] Szczepański A, et al. **Przegl Dermatol** 62(4):555–8, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Dimethylsulfoxide in treatment of circumscribed forms of scleroderma] Sergeev VP. **Sov Med** (8):154–5, Aug 75 **(Rus)**

ETIOLOGY

A case of localised scleroderma following a subcutaneous skin test for Bilharzia. Kinglsey HJ. **Cent Afr J Med** 21(11):245, Nov 75

IMMUNOLOGY

Proceedings: Serologic abnormalities and their significance in localized scleroderma. Scarola JA, et al. **Arthritis Rheum** 18(5):526, Sep–Oct 75

Immunohistological studies, with anti–connective tissue and anti–immunoglobulin antisera, of the skin in lupus erythematosus and scleroderma. Rowell NR, et al. **Br J Dermatol** 93(4):431–41, Oct 75

Serological changes in progressive systemic sclerosis. Davis P, et al. **Rheumatol Rehabil** 15(1):45–50, Feb 76

[Radiochemical demonstration of serum antibodies against double stranded DNA in progressive and circumscribed scleroderma] Meffert H, et al. **Dermatol Wochenschr** 161(9):771–2, Sep 75 **(Ger)**

METABOLISM

Connective tissue synthesis by cultured scleroderma fibroblasts. I. In vitro collagen synthesis by normal and scleroderma dermal fibroblasts. Perlish JS, et al. **Arthritis Rheum** 19(5):891–901, Sept–Oct 76

PHYSIOPATHOLOGY

Oesophageal motor functions in scleroderma. Ismail AA, et al. **J Egypt Med Assoc** 58(1–2):52–8, 1975

REHABILITATION

Physiatrics for deforming linear scleroderma. Rudolph RI, et al. **Arch Dermatol** 112(7):995–7, Jul 76

SCLERODERMA, SYSTEMIC

Pathogenesis and staging of scleroderma. Winkelmann RK. **Acta Derm Venereol (Stockh)** 56(2):83–92, 1976 (88 ref.)

Letter: A scleroderma–like syndrome with fasciitis, myositis, and eosinophilia. Schumacher HR. **Ann Intern Med** 84(1):49–50, Jan 76

Letter: Raynaud Phenomenon in pregnancy. Cook WA. **JAMA** 235(2):145–6, 12 Jan 76

[Arrector muscle in patients with scleroderma. Histological and histo–enzymological study] Blanchet–Bardon C, et al. **Sem Hop Paris** 51(7):455–60, 8 Feb 75 (Eng. Abstr.) **(Fre)**

[Scleroderma and the mixed connective tissue disease (MCTD)] Bandilla K. **Med Welt** 26(50):2238–62, 12 Dec 75 **(Ger)**

[Fulminant systemic sclerosis] Machtey I, et al. **Harefuah** 88(11):516–8, 1 Jun 75 (Eng. Abstr.) **(Heb)**

BLOOD

Serum renin and renin substrate levels in scleroderma. Fleischmajer R, et al. **Proc Soc Exp Biol Med** 150(2):374–9, Nov 75

[Cytochemical study of granulocytes of bone marrow and peripheral blood in patients with scleroderma] Shapiro AM, et al. **Lab Delo** (7):400–2, 1975 **(Rus)**

CHEMICALLY INDUCED

Lupus–scleroderma syndrome induced by ethosuximide. Teoh PC, et al. **Arch Dis Child** 50(8):658–61, Aug 75

CLASSIFICATION

[Variability of the clinical picture and the classification of progressive systemic scleroderma] Giordano M, et al. **Z Rheumatol** 35(7–8):286–300, Jul–Aug 76 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Thymoma in a case of scleroderma. Sundström C. **Acta Pathol Microbiol Scand [A]** 84(4):317–21, Jul 76

Case report: scleroderma. Bodden WR Jr, et al. **Ala J Med Sci** 13(1):29–31, Jan 76

Esophageal dysfunction and Raynaud's phenomenon in patients with scleroderma. Hurwitz AL, et al. **Am J Dig Dis** 21(8):601–6, Aug 76

Systemic sclerosis and regional enteritis occurring simultaneously. Shaps RS, et al. **Am J Gastroenterol** 65(6):552–6, Jun 76

Successful renal transplantation in progressive systemic sclerosis. Keane WF, et al. **Ann Intern Med** 85(2):199–202, Aug 76

Focal chorioretinitis and iridocyclitis associated with scleroderma. David R, et al. **Ann Ophthalmol** 8(2):199–202, Feb 76

Letter: Lymphangiectasis due to scleroderma. Tuffanelli DL. **Arch Dermatol** 111(9):1216, Sep 75

Bone resorption of the mandible in progressive systemic sclerosis. Seifert MH, et al. **Arthritis Rheum** 18(5):507–12, Sep–Oct 75

Arterial thrombosis in scleroderma. Furey NL, et al. **Br J Dermatol** 93(6):683–93, Dec 75

Pneumatosis cystoides intestinalis in systemic sclerosis. Williamson DM, et al. **Br J Dermatol** 94(1):85–8, Jan 76

Resolution of cutaneous manifestations of systemic sclerosis after haemodialysis. Barker DJ, et al. **Br Med J** 1(6008):501, 28 Feb 76

Pancytopenia and scleroderma. Carcassonne Y, et al. **Br Med J** 1(6023):1446, 12 Jun 76

Letter: Bone resorption in progressive systemic sclerosis. Sargent EN. **Chest** 70(1):107–8, Jul 76

Bone resorption of the ribs and pulmonary function in progressive systemic sclerosis. Steigerwald JC, et al. **Chest** 68(6):838–40, Dec 75

Myocardial lesions of progressive systemic sclerosis. A cause of cardiac dysfunction. Bulkley BH, et al. **Circulation** 53(3):483–90, Mar 76

Scleroderma and carcinoma of the lung. Twersky J, et al. **Clin Radiol** 27(2):203–9, Apr 76

Scleroderma of the colon with obstruction: report of a case. Davis RP, et al. **Dis Colon Rectum** 19(3):256–9, Apr 76

Scleroderma and hyperthyroidism. Report of a case. Shoaleh–var M, et al. **JAMA** 235(7):752–3, 16 Feb 76

Difficult intubation of the trachea. A case report. Sowelem SE. **Mid East J Anaesthesiol** 4(1):71–5, Feb 74

The kidney in progressive systemic sclerosis (scleroderma). Dichoso CC. **Perspect Nephrol Hypertens** 3:57–74, 1976 (136 ref.)

Renal involvement in progressive systemic sclerosis. Jayson MI. **Proc R Soc Med** 68(9):554–5, Sep 75

Calcinosis in scleroderma. Rosenberg JN. **Proc R Soc Med** 69(4):264, Apr 76

Sclerodermatomyositis with megacolon, small–bowel involvement and impaired lung function. Srinivas V. **Proc R Soc Med** 69(4):263–4, Apr 76

[Primary biliary cirrhosis with scleroderma and hypothyroidism] De Graaf P, et al. **Tijdschr Gastroenterol** 18(3):151–60, 1975 **(Dut)**

[Otorhinolaryngologic involvement in scleroderma. Possibility of symptomatic subglottic stenosis] Gaillard de Collogny L, et al. **J Fr Otorhinolaryngol** 24(4):261–2, 266–75, Apr 75 **(Fre)**

[Respiratory manifestations in collagen diseases] Katz M, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:427–8, 1975 **(Fre)**

[Correlation between scleroderma and Sjogren's syndrome. Value of systematic biopsy of the labial salivary glands] Fiessinger JN, et al. **Nouv Presse Med** 4(45):3177–80, 27 Dec 75 (Eng. Abstr.) **(Fre)**

[Silicosis associated with scleroderma] Fréneaux B, et al. **Nouv Presse Med** 4(29):2087–90, 13 Sep 75 (Eng. Abstr.) **(Fre)**

[Subcutaneous and tendinous nodules in scleroderma. Apropos of 4 anatomo–clinical cases] Bourgeois P, et al. **Rev Rhum Mal Osteoartic** 43(2):85–91, Feb 76 (Eng. Abstr.) **(Fre)**

[Muscular disorders of the patient with scleroderma. Clinical study] Cywiner–Golenzer C, et al. **Sem Hop Paris** 51(7):541–4, 8 Feb 75 (Eng. Abstr.) **(Fre)**

[Electron microscopy studies on kidney involvement in progressive scleroderma] Haustein UF. **Dermatol Monatsschr** 161(1):22–31, Jan 75 (Eng. Abstr.) **(Ger)**

[Fundus changes in scleroderma (author's transl)] Egerer I, et al. **Klin Monatsbl Augenheilkd** 167(4):571–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Changes in the ocular muscles in progressive scleroderma (author's transl)] Egerer I, et al. **Klin Monatsbl Augenheilkd** 168(02):216–20, Feb 76 (Eng. Abstr.) **(Ger)**

[Catamnestic studies on cancer syntropy in dermatomyositis and sclerodermia] Kreysel HW, et al. **Med Welt** 27(9):419–25, 27 Feb 76 (98 ref.) **(Ger)**

[Progressive systemic sclerosis (diffuse sclerodermia) and Goodpasture's syndrom in 47–years–old woman (author's transl)] Dornetzhuber V, et al. **Pneumonologie** 152(4):267–72, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Silicosis and scleroderma—attempt at synopsis] Beck B, et al. **Z Gesamte Inn Med** 31(13):493–6, 1 Jul 76 (Eng. Abstr.) **(Ger)**

[A case of the progressive systemic sclerosis (PSS) with high serum concentration of M protein (author's transl)] Kogo Y, et al. **J Jpn Soc Intern Med** 64(10):1167–73, 10 Oct 75 **(Jpn)**

[Pulmonary lesions in connective tissue diseases, with special reference to progressive systemic sclerosis] Yutani C, et al. **Jpn J Clin Med** 33(11):3333–7, 10 Nov 75 **(Jpn)**

[Sjögren's syndrome with progressive systemic sclerosis and primary diabetes in a 12–year–old girl] Wesolowska H, et al. **Reumatologia** 13(3):215–9, 1975 (Eng. Abstr.) **(Pol)**

[Sclerodermoid porphyria cutanea tarda associated with cataract] Bopp C, et al. **Med Cutan Iber Lat Am** 3(2):149–59, 1975 (Eng. Abstr.) **(Por)**

[Combined lung cancer and systemic scleroderma] Klempner LB, et al. **Arkh Patol** 37(6):55–61, 1975 (Eng. Abstr.) **(Rus)**

[Roentgenocinematography in diagnosis of cardiac lesion in systemic scleroderma] Gusev NM, et al. **Ter Arkh** 48(5):125–7, 1976 **(Rus)**

[Diagnosis of esophageal lesion in systemic scleroderma] Savarovskiĭ AI, et al. **Ter Arkh** 47(11):121–30, 1975 **(Rus)**

[Dynamics of eye diseases in systemic scleroderma] Belousova ZF, et al. **Vestn Oftalmol** (4):89–90, Jul–Aug 75 **(Rus)**

[Osteoarticular manifestations in children with systemic scleroderma] Komarkova NN, et al. **Vestn Rentgenol Radiol** (3):50–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Visceral manifestations of systemic progressive sclerosis in the child] Sadikario A, et al. **God Zb Med Fak Skopje** 17:345–56, 1971 **(Ser)**

DIAGNOSIS

Letter: Neurological symptoms in scleroderma. Bjerregaard B, et al. **Arch Dermatol** 112(7):1030–1, Jul 76

Proceedings: Eosinophilic fasciitis. Report of six cases of a newly recognized scleroderma–like syndrome. Rodnan GP, et al. **Arthritis Rheum** 18(5):525, Sep–Oct 75

The prognosis of systemic sclerosis. Rowell NR. **Br J Dermatol** 95(1):57–60, Jul 76

[Polymorphism in rheumatology] Cuyper H, et al.

J Belge Rhumatol Med Phys 30(2):93–101, Mar–Apr 75 (Eng. Abstr.) **(Dut)**

[Subcutaneous calcifications. A case of Thibierge–Weissenbach syndrome] Tournay R. **Phlebologie** 28(4):565–8, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Radiological and endoscopic study of the esophagus in 33 cases of generalized scleroderma] Petite JP, et al. **Minerva Med** 66(77):4041–7, 14 Nov 75 (Eng. Abstr.) **(Ita)**

[Progressive systemic scleroderma suspected to be Behcet's disease Muroya T, et al. **Hokkaido J Med Sci** 49(6):567–8, Nov 74 **(Jpn)**

[Scleroderma and the heart – diagnosis of scleroderma and cardiac symptoms] Takatsu T, et al. **Jpn J Clin Med** 33(9):2838–51, 10 Sep 75 **(Jpn)**

[Cluster analysis of collagen diseases] Miyahara H. **Jpn J Med Electron** 12(6):356–65, Dec 74 (Eng. Abstr.) **(Jpn)**

[Phonocardiographic evaluation of the left ventricular function in progressive systemic sclerosis] Barreto AC, et al. **Arq Bras Cardiol** 29(3):217–20, Jun 76 **(Por)**

[Clinical variants of early stages of systemic scleroderma] Ievleva LV, et al. **Ter Arkh** 47(11):117–21, 1975 (Eng. Abstr.) **(Rus)**

[The detection of a case of scleroderma during pre–prosthetic dental examination] López López M. **An Esp Odontoestomatol** 35(2):81–90, Mar–Apr 76 **(Spa)**

DRUG THERAPY

Treatment of generalized scleroderma with inhibitors of connective tissue formation. Asboe–Hansen G. **Acta Derm Venereol (Stockh)** 55(6):461–5, 1975

A syndrome of acute zinc loss. Cerebellar dysfunction, mental changes, anorexia, and taste and smell dysfunction. Henkin RI, et al. **Arch Neurol** 32(11):745–51, Nov 75

Norethisterone acetate in the treatment of scleroderma. Barnett AJ, et al. **Australas J Dermatol** 16(2):45–54, Aug 75

Salazopyrin in the treatment of scleroderma. Barnett AJ, et al. **Australas J Dermatol** 16(2):55–9, Aug 75

D–penicillamine in the treatment of rheumatoid arthritis and progressive systemic sclerosis. Davis P, et al. **Br J Dermatol** 94(6):705–11, Jun 76 (38 ref.)

Penicillamine for systemic sclerosis? **Drug Ther Bull** 12(19):75–6, 13 Sep 74

Two years of penicillamine for progressive systemic sclerosis: a case report. Thomson J, et al. **Postgrad Med J** 50 Suppl 2:36–8, Aug 74

[Treatment of generalized scleroderma with connective tissue inhibitors] Asboe–Hansen G. **Ugeskr Laeger** 138(22):1325–9, 24 May 76 (Eng. Abstr.) **(Dan)**

[Therapeutic action of coagulation factor XIII in scleroderma. 20 cases] Thivolet J, et al. **Nouv Presse Med** 4(39):2779–82, 15 Nov 75 (Eng. Abstr.) **(Fre)**

[Therapy of progressive scleroderma. Collagen–like protein in progressive scleroderma under D–penicillamine therapy] Kreysel HW, et al. **Fortschr Med** 93(32):1596–9, 13 Nov 75 (Eng. Abstr.) **(Ger)**

[Observations of the course of scleroderma after combined Hylase–carnitine therapy] Nitzschner H. **Z Aerztl Fortbild (Jena)** 69(21):1108, 1 Nov 75 **(Ger)**

[A contribution to the effects of synthetic progesterone on systemic scleroderma (author's transl)] Ishikawa H, et al. **Jpn J Dermatol [A]** 85(5):299–301, 15 Apr 75 **(Jpn)**

[Effect of piascledine treatment of scleroderma] Szczepański A, et al. **Przegl Dermatol** 62(4):555–8, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Treatment of scleroderma with dimethylsulfoxide] Serggev VP, et al. **Vestn Dermatol Venerol** (3):70–3, Mar 76 **(Rus)**

[Our experience in the treatment of progressive scleroderma with hyaluronidase] Janković D, et al. **Srp Arh Celok Lek** 103(6):531–4, Jun 75 **(Ser)**

ENZYMOLOGY

Collagenase in scleroderma. Brady AH. **J Clin Invest** 56(5):1175–80, Nov 75

ETIOLOGY

[Cause of scleroderma—a simple allergy? Conjectures and observations] Nitzschner H. **Dermatol Monatsschr** 161(12):1003–9, Dec 75 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Chromosomal breakage and scleroderma: studies in family members. Emerit I, et al. **J Lab Clin Med** 88(1):81–6, Jul 76

IMMUNOLOGY

Immunologic reactivity to incompatible blood group substances of the ABO system in scleroderma. Haustein UF, et al. **Acta Biol Med Ger** 34(8):1417–20, 1975

Pericardial fluid analysis in scleroderma (systemic sclerosis). Gladman DD, et al. **Am J Med** 60(7):1064–8, Jun 76

Proceedings: Antismooth muscle antibody in scleroderma. Kitridou RC, et al. **Arthritis Rheum** 18(5):526, Sep–Oct 75

Comparison of the complement–fixing activity of antinuclear antibodies in lupus nephritis, mixed connective tissue disease, and scleroderma. Parker MD, et al. **Arthritis Rheum** 19(5):857–61, Sept–Oct 76

Lymphocyte response to mitogens in progressive systemic sclerosis. Salem NB, et al. **Arthritis Rheum** 19(5):875–82, Sept–Oct 76

Proceedings: Evidence of cell–mediated immunity to collagen in patients with progressive systemic sclerosis. Stuart JM, et al. **Arthritis Rheum** 18(5):525–6, Sep–Oct 75

Immunohistological studies, with anti–connective tissue and anti–immunoglobulin antisera, of the skin in lupus erythematosus and scleroderma. Rowell NR, et al. **Br J Dermatol** 93(4):431–41, Oct 75

Systemic sclerosis and cryoglobulinemia. Husson JM, et al. **Clin Immunol Immunopathol** 6(1):77–82, Jul 76

Peripheral blood lymphocyte distribution in scleroderma. Carapeto FJ, et al. **Dermatologica** 151(4):228–35, 1975

Immunochemical characterization of the anti–RNA antibodies found in scleroderma and systemic lupus erythematosus. II. Reactivity with hsa–coupled, uridine–containing, monophosphoric ribodinucleotides. Alarcón–Segovia D, et al. **Immunology** 30(3):413–8, Mar 76

Circulating T and B lymphocytes in progressive systemic sclerosis. de Jesus DG, et al. **J Rheumatol** 2(3):336–9, Sep 75

The kidney in progressive systemic sclerosis: immunohistochemical and antibody elution studies. McCoy RC, et al. **Lab Invest** 35(2):124–31, Aug 76

Serological changes in progressive systemic sclerosis. Davis P, et al. **Rheumatol Rehabil** 15(1):45–50, Feb 76

[Research of an association between HL–A antigens and systemic scleroderma] Crouzet J, et al. **Nouv Presse Med** 4(35):2489–92, 18 Oct 75 (Eng. Abstr.) **(Fre)**

[Behavior of antinuclear factors in the scleroderma] Barthelmes H. **Dermatol Monatsschr** 161(7):536–44, Jul 75 (Eng. Abstr.) **(Ger)**

[Immunological studies of patients with scleroderma with Brucella antigen] Beckmann I, et al. **Dermatol Monatsschr** 161(7):545–6, Jul 75 (Eng. Abstr.) **(Ger)**

[Proof of serum antibodies against single stranded DNA in progressive scleroderma using the Farr technic] Meffert H, et al. **Dermatol Monatsschr** 161(5):364–9, May 75 (Eng. Abstr.) **(Ger)**

[Lymphocyte transformation test in the scleroderma] Schulze P. **Dermatol Monatsschr** 161(7):547–50, Jul 75 (Eng. Abstr.) **(Ger)**

[Radiochemical demonstration of serum antibodies against double stranded DNA in progressive and circumscribed scleroderma] Meffert H, et al. **Dermatol Wochenschr** 161(9):771–2, Sep 75 **(Ger)**

METABOLISM

Intestinal absorption of L–tryptophan in scleroderma. Stachow A, et al. **Acta Derm Venereol (Stockh)** 56(4):257–64, 1976

Initial change of glycosaminoglycans in systemic scleroderma. Ishikawa H, et al. **Dermatologica** 150(6):334–45, 1975

The actionof D–penicillamine on collagen in scleroderma and osteoarthrosis. Herbert CM, et al. **Postgrad Med J** 50 Suppl 2:27–30, Aug 74

[Metabolism of collagen in progressive scleroderma and dermatomyositis] Kreysel HW, et al. **Hautarzt** 27(5):226–33, May 76 (6 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

The cardiac conduction system in progressive systemic sclerosis. Clinical and pathologic features of 35 patients. Ridolfi RL, et al. **Am J Med** 61(3):361–6, Sep 76

Loss of colonic haustration in progressive systemic sclerosis. Martel W, et al. **Am J Roentgenol** 126(4):704–13, Apr 76

Letter: Assessment of scleroderma skin involvement. Bunch TW, et al. **Arthritis Rheum** 18(6):629, Nov–Dec 75

Abnormal capillary patterns and systemic disease in scleroderma (progressive systemic sclerosis). Maricq HR, et al. **Bibl Anat** 13:248–9, 1975

Unusual mitochondria in human skeletal muscle. Klug H. **Experientia** 31(10):1207–8, 15 Oct 75

Clinicopathological exercise. University of Kansas Medical Center College of Health Sciences and Hospital. **N Engl J Med** 293(18):922–7, 30 Oct 75

Collagen studies in acro–osteolysis. Jayson MI, et al. **Proc R Soc Med** 69(4):295–7, Apr 76

[Ultrastructural study of the arrector muscle in the patient with scleroderma. Preliminary analysis apropos of 3 cases] Leclerc JP, et al. **Sem Hop Paris** 51(7):461–3, 8 Feb 75 (Eng. Abstr.) **(Fre)**

[Smooth muscle in scleroderma. Introduction] Roujeau J. **Sem Hop Paris** 51(7):449–60, 8 Feb 75 **(Fre)**

[Ultrastructure of skin capillaries in lupus erythematosus, dermatomyositis and progressive scleroderma] Haustein UF, et al. **Dermatol Monatsschr** 161(5):353–63, May 75 (Eng. Abstr.) **(Ger)**

[Ultrastructural studies in scleroderma] Haustein UF, et al. **Dermatol Monatsschr** 161(7):530–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Relationship between morphological, immunological and clinical findings in progressive scleroderma: muscular involvement] Meffert H, et al. **Dermatol Monatsschr** 161(7):556–66, Jul 75 (Eng. Abstr.) **(Ger)**

[Proliferations of smooth muscle cells in lymph nodes in progressive scleroderma] Klug H. **Dermatol Wochenschr** 161(9):745–50, Sep 75 **(Ger)**

[The ultrastructure of the muscle capillaries in dermatomyositis, lupus erythematosus, and generalized scleroderma (author's transl)] Klug H, et al. **Zentralbl Allg Pathol** 118(5):452–62, 1974 (Eng. Abstr.) **(Ger)**

[Diffuse scleroderma (sclerosis progressiva generalisata)] Michnik K. **Patol Pol** 26(3):453–8, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

[Morphological changes in the liver and its blood vessels in systemic scleroderma] Skorodumova NP. **Vrach Delo** (4):34–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Scleromyedema with special hyperkeratosis lesions and calcifications] Ferrándiz C, et al. **Med Cutan Iber Lat Am** 3(5):353–9, 1975 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Esophageal function in progressive systemic sclerosis. Krejs GJ, et al. **Acta Hepatogastroenterol (Stuttg)** 23(1):40–6, Feb 76

Letter: Skin elasticity and colchicine in scleroderma. Fernandez–Herlihy L. **Arthritis Rheum** 19(4):832–3, Jul–Aug 76

Letter: Diminished in vitro growth of epidermal epithelial cells in PSS. Parker MD, et al. **Arthritis Rheum** 19(5):969–70, Sept–Oct 76

Hypersensitivity of scleroderma cutaneous vascular smooth muscle to 5–hydroxytryptamine. Winkelmann RK, et al. **Br J Dermatol** 95(1):51–6, Jul 76

Environmental factors and the diffusing capacity of the lung in progressive systemic sclerosis. Emmanuel G, et al. **Chest** 69(2 Suppl):304–7, Feb 76

[Manometric study of esophageal involvement in progressive systemic sclerosis (author's transl)] Weihrauch TR, et al. **Arch Dermatol Res** 254(1):29–35, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Influence of underwater massage on the re–warming, thermal conductivity and blood supply of the skin in progressive scleroderma] Meffert H, et al. **Dermatol Monatsschr** 161(7):551–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Esophageal involvement in slceroderma: manometric study] Benages A, et al. **Rev Clin Esp** 140(5):457–63, 15 Mar 76 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

The spotted nephrogram of renal scleroderma. Winograd J, et al. **Am J Roentgenol** 126(4):734–8, Apr 76

Radiology case of the month. Case 2: progressive systemic sclerosis (scleroderma). Bjelland JC, et al. **Ariz Med** 32(9):730–1, Sep 75

Barium impaction as a complication of gastrointestinal scleroderma. Thompson MA, et al. **JAMA** 235(16):1715–7, 19 Apr 76

Radiological features of mixed connective tissue disease and scleroderma—systemic lupus erythematosus overlap. Silver TM, et al. **Radiology** 120(2):269–75, Aug 76

Radiological features of mixed connective tissue disease and scleroderma—systemic lupus erythematosus overlap. Silver TM, et al. **Radiology** 120(2):269–75, Aug 76

[Radiokymography of the esophagus in patients with systemic scleroderma] Savarovskiĭ AI, et al. **Vestn Rentgenol Radiol** (1):27–33, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

THERAPY

[Physiotherapeutic viewpoints in progressive scleroderma] Callies R, et al. **Z Gesamte Inn Med** 31(2):50–1, 15 Jan 76 (Eng. Abstr.)

URINE

[Mercury–free polarographic method of studying fructosuria in connective tissue diseases] Blinkov IL, et al. **Vestn Akad Med Nauk SSSR** (6):59–64, 1975 (Eng. Abstr.) **(Rus)**

SCLEROMA, NASAL see **RHINOSCLEROMA**

SCLEROSING SOLUTIONS

The effects of chemical occlusion of vas deferens on the testicular function of dog: a preliminary study. Dixit VP, et al. **Acta Eur Fertil** 6(4):348–53, Dec 75

Hazards of compression sclerotherapy. **Br Med J** 4(5998):714–5, 20 Dec 75

[Letter: Sclerosis of esophageal varices under fiberscopic control] Rachail M, et al. **Nouv Presse Med** 4(22):1659–60, 31 May 75 **(Fre)**

[Treatment of varicose veins of the legs by sclerosing injections] Cloutier G, et al. **Union Med Can** 104(12):1854–63, Dec 75 **(Fre)**

[Successful sclerosing of a big kidney cyst without operation] Weingard D, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):374–6, Oct 75 **(Ger)**

ADMINISTRATION & DOSAGE

Transhepatic variceal sclerotherapy. Cooperman AM, et al. **Arch Surg** 111(5):609, May 76

Surgery and sclerotherapy in the treatment of varicose veins. Alderman DB. **Conn Med** 39(8):467–71, Aug 75

[Remote results of various methods of hemorrhoid treatment by injections] Klevetenko GI. **Klin Khir** (10):81–2, Oct 75

(Rus)

[Treatment of cystic dysplasia of the breast by the trephine-sclerosing method] Sanchakova AV, et al. **Sov Med** (8):111–5, Aug 75 (Rus)

ADVERSE EFFECTS

Complications in the treatment of hemangiomas. Rees TD, et al. **J Dermatol Surg** 1(4):29–32, Dec 75

Ethanolamine oleate and acute renal failure. Maling TJ, et al. **NZ Med J** 82(550):269–70, 22 Oct 75

[Difficulties and complications in the surgical treatment of inguinal hernias in patients having received sclerosing injections] Pervès J, et al. **Chirurgie** 101(10):705–7, Nov 75 (Fre)

[Thromboembolism and synthetic estroprogestational hormones. Apropos of 2 cases] Boespflug O. **Phlebologie** 28(3–4):373–4, Jul–Sep 75 (Fre)

[Tissue necrosis after sclerosing injection] Nguyen-K-Morere MC, et al. **Phlebologie** 28(3–4):425–9, Jul–Sep 75 (Fre)

[Mediastinal and pulmonary complications of the sclerosing treatment of oesophageal varices (author's transl)] Janson R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):44–7, Jan 76 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The effect of the sclerosing agent 'hydroxypolyaetoxydodecan' on the coagulation potentials: in vitro investigations. Wuppermann T, et al. **Vasa** 4(1):45–53, 1975

THERAPEUTIC USE

Proceedings: Percutaneous, transhepatic catheterization and sclerosis of bleeding varices. Scott J, et al. **Gut** 17(5):390, May 76

'Quick treatment'—a modified method of sclerotherapy of varicose veins. Sigg K, et al. **Vasa** 4(1):73–8, 1975

[Sclerosis of esophageal varices. Results of 10 years experience] Pinel J, et al. **Ann Otolaryngol Chir Cervicofac** 93(4–5):245–54, Apr–May 76 (Eng. Abstr.) (Fre)

[I. Experimental bases for an new chemo-surgical therapeutic method for duodenal ulcer: sclerosis of the gastric mucosa] Mandache F, et al. **Chirurgie** 101(2):129–38, 5–19 Feb 75 (Eng. Abstr.) (Fre)

[II. Treatment of duodenal ulcer by chemical sclerosis of the gastric mucosa. Preliminary results] Mandache F, et al. **Chirurgie** 101(2):139–51, 5–19 Feb 75 (Eng. Abstr.) (Fre)

[Transhepatic embolization of oesophageal varices (author's transl)] Doyon D, et al. **J Radiol Electrol Med Nucl** 56(12):917–21, Dec 75 (Eng. Abstr.) (Fre)

[Sclerosing therapy applied to 300 cases of essential varices of the internal saphenous vein and results] Scipioni G, et al. **Phlebologie** 28(3–4):505–7, Jul–Sep 75 (Fre)

[Law of laminar flow and law of turbulence: application to sclerosing therapy of the varicose internal saphenous vein] Scip[illegible] G, et al. **Phlebologie** 28(3–4):501–4, Jul–Sep 75 (Fre)

[Letter: Sclerosing of varices in the ankle area] Fischer H. **Hautarzt** 26(8):444, Aug 75 (Ger)

[Sclerosing of the esophageal wall in esophageal varices] Stein U. **Z Allgemeinmed** 51(34):1566–7, 10 Dec 75 (Ger)

[Treatment of duodenal ulcer with chemical sclerosis of the gastric mucosa. Preliminary results] Mandache F, et al. **Rev Chir [Chir]** 25(2):111–9, Mar–Apr 76 (Eng. Abstr.) (Rum)

[Injection sclerosing therapy of varicose veins] Chalganov AI. **Khirurgiia (Mosk)** (8):65–70, Aug 75 (Eng. Abstr.) (Rus)

[Treatment of varicose veins with vistarin under polyclinical conditions] Kuznetsov NN. **Sov Med** (2):152, Feb 76 (Rus)

[State of the coagulation system of the blood following treatment of varicose enlargment of the veins of the lower extremity with phlebosclerosing preparations] Liul'ka AN, et al. **Vestn Khir** 114(4):15–8, Apr 75 (Eng. Abstr.) (Rus)

SCLEROSIS

Cervical fibrosclerosis with episcleritis. House JM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):492–5, Sep–Oct 75

CHEMICALLY INDUCED

[Treatment of duodenal ulcer with chemical sclerosis of the gastric mucosa. Preliminary results] Mandache F, et al. **Rev Chir [Chir]** 25(2):111–9, Mar–Apr 76 (Eng. Abstr.) (Rum)

COMPLICATIONS

Mesial temporal (Ammon's horn) sclerosis as a common cause of epilepsy. Aetiology, treatment, and prevention. Falconer MA. **Lancet** 2(7883):767–70, 28 Sep 74

DIAGNOSIS

Primary sclerosing cholangitis. A report of nine cases and clinical review. Danzi JT, et al. **Am J Gastroenterol** 65(2):109–16, Feb 76

DRUG THERAPY

[Respiratory scleroma and its treatment with thiophenicol] Somonte R, et al. **An Otorrinolaringol Ibero Am** 1(4):99–110, 1974 (Eng. Abstr.) (Spa)

ETIOLOGY

[Systemic conditions responsible for dermatological symptoms. 7. Sclerosis] Sotomastu S. **Jpn J Clin Med** 33(7):2373–9, 10 Jul 75 (Jpn)

PATHOLOGY

Sclero-cornea and defective mesodermal migration. Friedman AH, et al. **Br J Ophthalmol** 59(11):638–7, Nov 75

Comparative ultrastructure of tubular carcinoma and sclerosing adenosis of the breast. Jao W, et al. **Cancer** 38(1):180–6, Jul 76

SURGERY

Letter: Scleroplasty and progressive myopia. Knapp AA. **Eye Ear Nose Throat Mon** 55(2):16, Feb 76

SCLEROSIS, DISSEMINATED see **MULTIPLE SCLEROSIS**

SCLEROSIS, HEREDITARY SPINAL see **FRIEDREICH'S ATAXIA**

SCLEROSIS, PRESENILE see **DEMENTIA, PRESENILE**

SCLEROSIS, PROGRESSIVE SYSTEMIC see **SCLERODERMA, SYSTEMIC**

SCLEROTINIA see under **ASCOMYCETES**

SCOLIOSIS

Editorial: Scoliosis. **Br Med J** 3(5985):661–2, 20 Sep 75

Is scoliosis reversible? In Vivo observations of reversible morphological changes in the production of scoliosis in mice. Harrington PR. **Clin Orthop** (116):103–11, May 76

Iliac apophyses. Prognostic value in idiopathic schliosis. Urbaniak JR, et al. **Clin Orthop** (116):80–5, May 76

Spinal deformity in adolescence. Early detection and nonoperative management. Hungerford DS. **Med Clin North Am** 59(6):1517–25, Nov 75

[Characteristics of the diagnosis and treatment of scoliosis] Mühlbach R, et al. **Paediatr Grenzgeb** 14(2):91–100, 1975 (Eng. Abstr.) (Ger)

[Scoliosis in the adult] Peyer J. **Z Orthop** 113(4):577–82, Aug 75 (Ger)

[Editorial: Scoliosis] Axer A. **Harefuah** 90(4):185–7, 15 Feb 76 (Heb)

[Scoliosis; classification, etiology and treatment] Bjerkreim I. **Tidsskr Nor Laegeforen** 95(24):1341–6, 30 Aug 75 (Eng. Abstr.) (Nor)

[Editorial: Scoliosis] Hauge MF. **Tidsskr Nor Laegeforen** 95(24):1374–5, 30 Aug 75 (Nor)

BLOOD

Growth hormone and somatomedin A in girls with adolescent idiopathic scoliosis. Willner S, et al. **Acta Paediatr Scand** 65(5):547–52, Sep 76

CLASSIFICATION

[Review of various types of scoliosis based on etiological veiwpoints with prognostic references] Scheier HJ. **Z Orthop** 113(4):558–60, Aug 75 (Ger)

COMPLICATIONS

The incidence of spina bifida occulta in idiopathic scoliosis. Cowell MJ, et al. **Clin Orthop** (118):16–8, Jul–Aug 76

Meningomyelocele lateralis Das PB, et al. **Int Surg** 61(4):239, Apr 76

Rapidly progressive scoliosis in multiple epiphyseal dysplasia. A case report. Herring JA. **J Bone Joint Surg [Am]** 58(5):703–4, Jul 76

Excessive thoracic lordosis and loss of pulmonary function in patients with idiopathic scoliosis. Winter RB, et al. **J Bone Joint Surg [Am]** 57(7):972–7, Oct 75

[Scoliosis and lumbarization of the first sacral vertebra with osseous bridging between the transverse apophyses, of L5–L6. Apropos of a case] Cotrel Y, et al. **Acta Orthop Belg** 41(6):648–51, 1975 (Fre)

[Ito's syndrome (incontinentia pigmenti achromians)] Happle R, et al. **Hautarzt** 27(6):286–90, Jun 76 (Eng. Abstr.) (Ger)

[Damage to the spinal marrow in kyphoscoliosis (author's transl)] Angstwurm H, et al. **Munch Med Wochenschr** 117(40):1603–8, 3 Oct 75 (Eng. Abstr.) (Ger)

[Scoliosis in arachnodactyly] Fauchet R, et al. **Z Orthop** 113(4):566–8, Aug 75 (Ger)

[Prevention of bronchopneumopathic complications in scoliosis] Bariffi F, et al. **Arch Monaldi** 29(5–6):466–76, Sep–Dec 74 (Ita)

[Effect of spina bifida occulta on the prognosis in coexisting idiopathic scoliosis] Jamiolkowska K. **Chir Narzadow Ruchu Ortop Pol** 41(2):167–70, 1976 (Eng. Abstr.) (Pol)

[Case of syringomyelic osteoarthropathy in a child] Bairamov SP, et al. **Ortop Travmatol Protez** (2):60–2, Feb 76 (Rus)

CONGENITAL

Incidence of abnormalities of the kidney and ureter in congenital scoliosis. Cowell HR, et al. **Birth Defects** 10(4):142–5, 1974

A recessive form of congenital scoliosis different from spondylothoracic dysplasia. Langer LO Jr, et al. **Birth Defects** 11(6):83–6, 1975

Congenital kyphoscoliosis with paralysis following hemivertebra excision. Winter RB. **Clin Orthop** (119):116–25, Sep 76

[Prognosis of congenital scoliosis] Götze HG. **Z Orthop** 113(4):569–72, Aug 75 (Ger)

[Changes in the spine in congenital experimental scoliosis] Stetsula VI, et al. **Ortop Travmatol Protez** (11):34–9, Nov 75 (Eng. Abstr.) (Rus)

DIAGNOSIS

Screening for adolescent idiopathic scoliosis. Reid UV. **Can Nurse** 71(11):13–5, Nov 75

Idiopathic adolescent scoliosis. Rationale and techniques of early detection. Asher MA, et al. **J Kans Med Soc** 76(12):285–92, Dec 75

Letter: Three-dimensional shapes. Morris JR, et al. **Lancet** 1(7970):1189–90, 29 May 76

School screening for the early detection of spine deformities. Progress and pitfalls. Lonstein JE, et al. **Minn Med** 59(1):51–7, Jan 76

Measurement screen for leg length and scoliosis. Jones SL. **Phys Ther** 56(2):188–9, Feb 76

[Early diagnosis of scoliosis and its incidence in the school age] Rauch G, et al. **Z Aerztl Fortbild (Jena)** 70(10):532–5, 15 May 76 (Ger)

[Examination technic for scoliosis] Edelmann P. **Z Orthop** 113(4):554–7, Aug 75 (Ger)

[Significance of the rotation index for the prognostic evaluation of idiopathic thoracic scoliosis] Götze HG. **Z Orthop** 113(4):563–5, Aug 75 (Ger)

[Scoliosis in infants and its prognosis] Mau H. **Z Orthop** 113(4):561–2, Aug 75 (Ger)

[Clinical aspects and prognosis of scoliosis. Public symposium of the task force on scoliosis. Introduction] Scheier HJ. **Z Orthop** 113(4):553, Aug 75 (Ger)

[Angle-measurement on patient and radiograph, simpler, quicker and more exact with the zero-angle-meter (author's transl)] Schilgen L, et al. **Z Orthop** 113(3):414–8, Jun 75 (Eng. Abstr.) (Ger)

ETIOLOGY

Scoliosis and myasthenia gravis. A case report. Boghen D, et al. **Acta Orthop Belg** 41(6):660–2, 1975

The clinical biomechanics of scoliosis. White AA 3d, et al. **Clin Orthop** (118):100–12, Jul–Aug 76

Tuberculous meningitis: a case report. Raczka EK, et al. **J Am Podiatry Assoc** 65(10):996–1004, Oct 75

Neurofibromatous scoliosis. Natural history and results of treatment in thirty-seven cases. Chaglassian JH, et al. **J Bone Joint Surg [Am]** 58(5):695–702, Jul 76

Muscle imbalance in the aetiology of scoliosis. Fidler MW, et al. **J Bone Joint Surg [Br]** 58(2):200–1, May 76

Note on the scoliosis of Parkinsonism. Duvoisin RC, et al. **J Neurol Neurosurg Psychiatry** 38(8):787–93, Aug 75

[Spinal cord and scoliosis. The cause and the effect (author's transl)] Roth M. **Acta Chir Orthop Traumatol Cech** 42(6):507–17, Dec 75 (Eng. Abstr.) (Cze)

[The effect of disorder of stabilizing influence of dorsal end of the rib on the origin and development of scoliotic curve (author's transl)] Vlach O. **Acta Chir Orthop Traumatol Cech** 42(4):366–72, Aug 75 (Eng. Abstr.) (Cze)

[Scoliosis, metabolism and growth of the vertebral column (author's transl)] Neugebauer H. **Arch Orthop Unfallchir** 85(1):87–99, 18 Jun 76 (Eng. Abstr.) (Ger)

[Scoliosis in cerebral palsy] Baumann JU. **Z Orthop** 113(4):575–6, Aug 75 (Ger)

FAMILIAL & GENETIC

D—camptodactyly with associated malformations in the proband. Pierce EA. **Birth Defects** 10(5):201–3, 1974

Dominant familial arthritis with scoliosis. Rogers JG, et al. **Birth Defects** 11(6):75–80, 1975

Contraposed curve patterns in monozygotic twins. Ogden JA, et al. **Clin Orthop** (116):35–7, May 76

Postural tone in the deep spinal muscles of idiopathic scoliosis patients and their siblings. An etiologic study based on vibration-induced electromyogram. Hoogmartens MJ, et al. **Electromyogr Clin Neurophysiol** 16(1):93–114, Jan–Mar 76

[Functional and structural scoliosis in monozygotic twins] Mongird-Nakonieczna J, et al. **Chir Narzadow Ruchu Ortop Pol** 41(1):34–36, 1976 (Eng. Abstr.) (Pol)

[Familial occurrence of idiopathic scoliosis] Mongird-Nakonieczna J, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):161–5, 1976 (Eng. Abstr.) (Pol)

OCCURRENCE

Scoliosis: A prospective epidemiological study. Brooks HL, et al. **J Bone Joint Surg [Am]** 57(7):968–72, Oct 75

Statistical observation of scoliosis patients at Tokushima University Hospital. Okada K, et al. **Tokushima J Exp Med** 22:49–55, Sep 75

PATHOLOGY

A study of skeletal age and height in girls with idiopathic scoliosis. Nordwall A, et al. **Clin Orthop** (110):6–10, Jul–Aug 75

The rib hump in idiopathic scoliosis. Measurement, analysis and response to treatment. Thulbourne T, et al. **J Bone Joint Surg [Br]** 58(1):64–71, Feb 76

PHYSIOPATHOLOGY

Lung volumes in scoliosis before and after correction by the Harrington instrumentation method. Lindh M, et al. **Acta Orthop Scand** 46(6):934–48, Dec 75

[Influence of static factors on the dynamics of the cervical spine (comparison of the reaction of the cervical spine to lateroflexion in the sitting and supine position)] Jirout J. **Cesk Neurol Neurochir** 35(1):14–9, 1972 (Eng. Abstr.) **(Cze)**

[Study of the repercussions of the degree of functional activity and severity of scoliosis on the spirographic syndrome and diffusion capacity in scoliotic adolescents] Hubert J. **Acta Tuberc Pneumol Belg** 65(5):492–504, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Pulmonary vascular pressures and blood gases in young patients with thoracic scoliosis (author's transl)] Meister R, et al. **Med Klin** 70(48):1969–75, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Mean pulmonary artery pressure and pulmonary function in scoliosis patients] Meister R, et al. **Med Welt** 26(31–32):1397–9, 8 Aug 75 **(Ger)**

[The effect of scoliosis on pulmonary function (author's transl)] Meister R, et al. **Prax Pneumol** 29(4):219–26, Apr 75 (Eng. Abstr.) **(Ger)**

[Progress of untreated scoliosis following poliomyelitis up to the end of the growth-period (author's transl)] Heine J, et al. **Z Orthop** 113(5):876–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Pressure measurements of pulmonary circulation in juvenile scoliotic patients] Heine J, et al. **Z Orthop** 113(4):586–9, Aug 75 **(Ger)**

[Lung function in scoliosis patients] Hilpert P. **Z Orthop** 113(4):583–5, Aug 75 **(Ger)**

[Malalignment of lumbar spine with lumbar PID (author's transl)] Patzold U, et al. **Z Orthop** 113(5):909–15, Oct 75 (Eng. Abstr.) **(Ger)**

[Respiratory physiopathology in the deformities of the spinal column] Marra A, et al. **Arch Monaldi** 29(5–6):421–37, Sep–Dec 74 (Eng. Abstr.) **(Ita)**

[Vectorcardiographic findings in patients with scoliosis of surgical importance] Morace G, et al. **Boll Soc Ital Cardiol** 20(2):179–91, 1975 (Eng. Abstr.) **(Ita)**

[Hemodynamics of the lesser circulation in severe degree of scoliosis] Letina VI. **Ortop Travmatol Protez** (11):64–7, Nov 75 **(Rus)**

[Changes in the activity of the neuro-muscular, respiratory and cardiovascular systems in children with scoliosis] Voronovich IR, et al. **Ortop Travmatol Protez** (11):61–4, Nov 75 **(Rus)**

RADIOGRAPHY

Kinematic analysis of experimentally provoked scoliosis in pigs with Roentgen stereophotogrammetry. Olin T, et al. **Acta Radiol [Diagn] (Stockh)** 1F(1):107–27, Jan 76

[Changes of the cervical vertebrae in scoliosis malformation observed roentgenographically (author's transl)] Decking D, et al. **Z Orthop** 114(3):294–304, Jun 76 (Eng. Abstr.) **(Ger)**

[Changing position of the neutral vertebra in different stages of curve correction (author's transl)] Edelmann P. **Z Orthop** 114(2):260–2, Apr 76 (Eng. Abstr.) **(Ger)**

SURGERY

Operative treatment of scoliosis with the Harrington instrumentation technique. Bjerkreim I. **Acta Orthop Scand** 47(4):397–402, Aug 76

Development of osteopenia in the fourth lumbar vertebra during prolonged bed rest after operation for scoliosis. Hansson TH, et al. **Acta Orthop Scand** 46(4):621–30, Sep 75

A photoelastic force-indicating spreader for the correction of scoliosis. Arcan M, et al. **Biomed Eng** 10(12):451–2, 455, Dec 75

Viscoelastic behaviour of deformed spines under correction with halo pelvic distraction. Clark JA, et al. **Clin Orthop** (110):90–111, Jul–Aug 75

Adolescent scoliosis patients. Personality patterns and effects of corrective surgery. Clayson D, et al. **Clin Orthop** (116):99–102, May 76

Long term follow-up of patients with idiopathic scoliosis treated surgically: a preliminary subjective study. Grouw AV, et al. **Clin Orthop** (117):197–201, Jun 76

Early ambulation following spinal fusion and Harrington instrumentation in idiopathic scoliosis. Mir SR, et al. **Clin Orthop** (110):54–62, Jul–Aug 75

Combined staged anterior and posterior correction and fusion of the spine in scoliosis following poliomyelitis. O'Brien JP, et al. **Clin Orthop** (110):81–9, Jul–Aug 75

Spondylolisthesis following surgical fusion for scoliosis: a case report. Tietjen R, et al. **Clin Orthop** (117):176–8, Jun 76

Selective denervation in the treatment of paralytic scoliosis based on electromyographic studies of erector spinae and quadratus lumborum. A preliminary communication. Jenkins DH, et al. **Electromyogr Clin Neurophysiol** 16(1):77–90, Jan–Mar 76

Photogrammetric evaluation of the transverse loading system in surgical correction of scoliosis. pp. 564–82. Armstrong GW, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Thoracolumbar scoliosis in cerebral palsy. Results of surgical treatment. Bonnett C, et al. **J Bone Joint Surg [Am]** 58(3):328–36, Apr 76

The postoperative management of scoliosis patients treated with Harrington instrumentation and fusion. Erwin WD, et al. **J Bone Joint Surg [Am]** 58(4):479–82, Jun 76

Results of Harrington instrumentation and fusion in the adult idiopathic scoliosis patient. Ponder RC, et al. **J Bone Joint Surg [Am]** 57(6):797–801, Sep 75

Pseudoarthrosis after spinal fusion for scoliosis. McMaster MJ, et al. **J Bone Joint Surg [Br]** 58(3):305–12, Aug 76

Treatment of scoliosis by posterior fusion, Harrington instrumentation and early walking. Piggott H. **J Bone Joint Surg [Br]** 58(1):58–63, Feb 76

Induced hypotension for spinal corrective procedures. Bennett EJ, et al. **Mid East J Anaesthesiol** 4(3):177–86, Oct 74

New technics in the operative treatment of scoliosis. Jacobs R, et al. **South Med J** 68(12):1497–1506, Dec 75

[The role of halo in the surgical treatment of scolioses (author's transl)] Vlach O.
Acta Chir Orthop Traumatol Cech 42(4):373–6, Aug 75 (Eng. Abstr.) **(Cze)**

[Surgical correction of scoliosis. Technic of anterior correction of plate insertion] Pouliquen JC, et al. **Nouv Presse Med** 4(20):1489–91, 17 May 75 **(Fre)**

[Major scoliosis, over 100 degrees, in adults. 183 surgically treated cases] Stagnara P, et al. **Rev Chir Orthop** 61(2):101–22, Mar 75 (Eng. Abstr.) **(Fre)**

The neurological risk of Harrington procedures (author's transl)] Zielke K, et al. **Arch Orthop Unfallchir** 83(3):311–22, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Ventrale derotations-spondylodesis (author's transl)] Zielke K, et al. **Arch Orthop Unfallchir** 85(3):257–77, 19 Aug 76 (Eng. Abstr.) **(Ger)**

[Results in the surgical treatment of scoliosis using Matzen's method] Fleissner HK, et al. **Beitr Orthop Traumatol** 22(4):208–18, Apr 75 **(Ger)**

[Letter: Idiopathic scoliosis] Bergk KH. **Dtsch Med Wochenschr** 101(38):1405, 17 Sep 76 **(Ger)**

[Surgical treatment of scoliosis] Röhlig H. **Paediatr Grenzgeb** 14(2):101–13, 1975 (Eng. Abstr.) **(Ger)**

[Anaesthetic problems arising during the surgical correction of scoliosis (harrington chnique] Hack G, et al. **Prakt Anaesth** 11(2):81–91, Apr 76 (Eng. Abstr.) **(Ger)**

[Report on the experience with 42 scoliosis operations using the Harrington instrumentarium. Reply to the comment by K. Zielke and B. Pellin] Matzen KA. **Z Orthop** 113(6):1105–6, Dec 75 **(Ger)**

[Scoliosis surgery using Harrington's method] Michel CR, et al. **Z Orthop** 113(4):835–8, Aug 75 **(Ger)**

[Transversal loading system in addition to the Harrington instruments (author's transl)] Pellin B, et al. **Z Orthop** 113(5):880–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Report on the experience with 42 scoliosis operations using the Harrington instrumentarium. Comment on the paper by K. A. Matzen, V. Fischer, W. Paulus: Z. Orthop.112 (1975) 1062–1070] Zielke K, et al. **Z Orthop** 113(6):1103–5, Dec 75 **(Ger)**

[Hematuria and acute gastric dilatation after osteoplastic fixation of the spine in a patient with scoliosis] Demichev NP, et al. **Ortop Travmatol Protez** (11):69–71, Nov 75 **(Rus)**

[Causes of failures of posterior spondylodesis in scoliosis in children] Prokhorova AG. **Ortop Travmatol Protez** (11):39–45, Nov 75 (Eng. Abstr.) **(Rus)**

[Posterior spondylodesis in scoliosis with correction of deformity by the Harrington type distractor and osteotomy of transverse processes] Shevchenko SD. **Ortop Travmatol Protez** (11):67–9, Nov 75 **(Rus)**

THERAPY

The halo-pelvic apparatus. A clinical, bio-engineering and anatomical study. O'Brien JP. **Acta Orthop Scand [Suppl]** (163):1–188, 1975

Editorial: Scoliosis in the myopathies and neuropathies. **Br Med J** 1(6024):1488–9, 19 Jun 76

The Milwaukee brace in paralytic scoliosis. Bunch WH. **Clin Orthop** (110):63–8, Jul–Aug 75

The Milwaukee brace in idiopathic scoliosis: evaluation of 123 completed cases. Keiser RP, et al. **Clin Orthop** (118):19–24, Jul–Aug 76

The use of muscle stimulation for inducing scoliotic curves. A preliminary report. Olsen GA, et al. **Clin Orthop** (113):198–211, Nov–Dec 75

Scoliosis treated by cast correction and spine fusion. Risser JC. **Clin Orthop** (116):86–94, May 76

Milwaukee brace correction of idiopathic scoliosis. A biomechanical analysis and a restrospective study. Andriacchi TP, et al. **J Bone Joint Surg [Am]** 58(6):806–15, Sep 76

The management of infants with scoliosis. James JI. **J Bone Joint Surg [Br]** 57(4):422–9, Nov 75

The treatment of spinal deformities with the Milwaukee brace. A preliminary report. Parisien VM, et al. **J Maine Med Assoc** 67(3):64, Mar 76

Spine deformity in children: Current concepts of diagnosis and treatment. Winter RB. **Pediatr Ann** 5(4):95–112, Apr 76

[Report treatment results obtained in a day-sanatorium for scoliotic children in Brno (author's transl)] Navrátil J, et al. **Acta Chir Orthop Traumatol Cech** 43(1):79–81, Feb 76 (Eng. Abstr.) **(Cze)**

[The correction of scoliotic curvatures (author's transl)] Vlach O. **Acta Chir Orthop Traumatol Cech** 43(3):200–3, Jun 76 (Eng. Abstr.) **(Cze)**

[Principles of conservative treatment of scoliosis by a Milwaukee brace (author's transl)] Vlach O.
Acta Chir Orthop Traumatol Cech 43(2):141–9, May 76 (Eng. Abstr.) **(Cze)**

[Plaster corset--an important part in the surgical treatment of scolioses (author's transl)] Vlach O.
Acta Chir Orthop Traumatol Cech 43(2):135–40, May 76 (Eng. Abstr.) **(Cze)**

[Plaster corset -- an important part in the surgical treatment of scolioses (author's transl)] Vlach O.
Acta Chir Orthop Traumatol Cech 43(2):135–40, May 76 (Eng. Abstr.) **(Cze)**

[Molded plexidur corrective corsets in the treatment of paralytic scolioses. Evaluation after 7 years usage] Duval-Beaupere G, et al. **Acta Orthop Belg** 41(6):652–9, 1975 (Eng. Abstr.) **(Fre)**

[Changes in the face, jaw and tooth structures following treatment of scoliosis with a Milwaukee brace] Chadenat A. **Orthod Fr** 45(1):543–51, 1974 (Eng. Abstr.) **(Fre)**

[Dentomaxillofacial changes induced in children wearing the Milwaukee orthopedic device in vertebral scoliosis (old and new model)] Duclos P, et al. **Orthod Fr** 46:270–1, 1975 **(Fre)**

[Milwaukee brace in the treatment of idiopathic scolioses. Results and indications] Salanova C. **Rev Chir Orthop** 61(7):585–98, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Orthopedic reduction of scoliosis by Maguelone's technic. Indications and first results] Vidal J, et al.
Rev Chir Orthop 61(2):123–34, Mar 75 (Eng. Abstr.) **(Fre)**

[Diagnosis and treatment of scoliosis] pp. 34–52. Bauer R.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. **(Ger)**

[Dynamic halo-gravity traction in scoliosis (author's transl)] Brinckmann P, et al. **Z Orthop** 114(3):305–13, Jun 76 (Eng. Abstr.) **(Ger)**

[Corrective fiberglass corsets in the treatment of scoliosis and kyphosis] Manaresi C. **Chir Organi Mov** 62(2):213–8, 1975 (Eng. Abstr.) **(Ita)**

[Therapeutic trends in the Twin Cities Scoliosis Center of Minneapolis, U.S.A] Ravaglia L. **Chir Organi Mov** 62(6):683–8, 1975 **(Ita)**

[Current status of the treatment of structural scoliosis] Denischi A, et al. **Rev Chir [Chir]** 25(1):1–10, Jan–Feb 76 **(Rum)**

[The complex treatment of scoliosis] Zaharia C. **Rev Chir [Chir]** 25(1):45–9, Jan–Feb 76 **(Rum)**

[Experience in the work with children having postural disorders in the frontal plane] Slugin VI. **Pediatriia** (12):68–9, Dec 75 **(Rus)**

[Clinical-physiological characteristics of patients with scoliosis and the use of exercise therapy in their treatment at specialized boarding schools] Zaidel' OP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):508–14, Nov–Dec 75 **(Rus)**

[Therapeutic advances in scoliosis] Nachemson A. **Lakartidningen** 73(11):953–61, 10 Mar 76 (Eng. Abstr.) **(Swe)**

VETERINARY

Cervical scoliosis and kidney lesions in sheep following dosage with vitamin D. Clegg FG, et al. **Vet Rec** 98(8):144–6, 21 Feb 76

[Illustrated case report. Scoliosis in a cat] Röcken H. **Berl Munch Tieraerztl Wochenschr** 88(16):320, 15 Aug 75 **(Ger)**

SCOPOLAMINE

Traditional Chinese medicine balanced anesthesia on patients in shock. **Chin Med J [Engl]** 2(1):33–41, Jan 76

ANALOGS & DERIVATIVES

Letter: Hyoscine butylbromide and the oculo-cardiac reflex. Fry EN, et al. **Br J Ophthalmol** 59(9):525, Sep 75

Letter: Rebound effect of hyoscine butylbromide on postoperative bowel contractions. Fry EN, et al. **Br Med J** 1(6010):646–7, 13Mar 76

Letter: Rebound effect of hyoscine butlybromide on postoperative bowel contractions Fry EN, et al. **Br Med J** 1(6010):646–7, 13 Mar 76

Letter: Preanesthetic medication. Janowsky DS, et al. **Can Anaesth Soc J** 23(3):334–5, May 76

Effect of diazepam and hyoscine butylbromide on response to secretin and cholecystokinin-pancreozymin in man. Saunders JH, et al. **Gut** 17(5):351–3, May 76

Comparative study of the effect of atropine, P2AM, and Buscopan. Total belladonna and hyoscyamus alkaloids on parathion poisoning. Farag A, et al. **Pharmacology**

14(4):301–6, 1976
[Eosphagomanometric finding in man after intravenous administration of a new cholinolytic (pramiverine), atropine and scopolamine butylbromide] Niemann H, et al. **Arzneim Forsch** 26(4b):728–30, Apr 76 (Eng. Abstr.) **(Ger)**
[Hypotonic examination of esophagus in pediatric radiology (author's transl)] Zwad HD, et al. **Roentgenblaetter** 28(10):455–62, Oct 75 (Eng. Abstr.) **(Ger)**
[Comparative examinations of stomach and duodenum with the use of Buscolysin and Cerucal] Conrad G, et al. **Z Gesamte Inn Med** 31(11):377–82, 1 Jun 76 **(Ger)**
[Motoractivity of the colon in radiological picture. II. Effect of Buscopan on colonic emptying from contrast enema (author's transl)] Smigielska-Stolarczyk E. **Pol Przegl Radiol** 40(1):33–6, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

ANALYSIS

Infrared identification test for scopolamine as the hydrobromide. Brannon WL, et al. **J Assoc Off Anal Chem** 58(5):871–7, Sep 75
Colorimetric and gas–liquid chromatographic determination of atropine–hyoscyamine and hyoscine (scopolamine) in solanaceous plants. Karawya MS, et al. **J Assoc Off Anal Chem** 58(5):884–7, Sep 75
Quantitative determination of total alkaloids and scopolamine in Datura ferox growing in Argentina. Padula LZ, et al. **Planta Med** 29(4):357–60, Jun 76

DIAGNOSTIC USE

Activation of EEG by hyoscine. Virmani V, et al. **Indian J Med Res** 63(3):373–7, Mar 75

PHARMACODYNAMICS

Effects of cholinergic agonists and antagonists of nucleus vestibularis lateralis unit discharge to vestibular nerve stimulation in the cat. Matsuoka I, et al. **Acta Otolaryngol (Stockh)** 80(5–6):422–8, Nov–Dec 75
Premedicant drugs and gastric juice pH and volume in pediatric patients. Salem MR, et al. **Anesthesiology** 44(3):216–9, Mar 76
Central action of drugs acting on the cholinergic muscarinic receptor. III. Influence of atropine and scopolamine injected intraventricularly on behavior and levels of biogenic amines in the rat brain. Zebrowska-Lupina I, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):485–95, 1975
Inhibition of the effect of lithium on brain inositol by atropine and scopolamine. Allison JH, et al. **Biochem Biophys Res Commun** 68(4):1332–8, 23 Feb 76
Effects of repeated doses of scopolamine on the electroencephalographic stages of sleep in normal volunteers. Sagalés T, et al. **Clin Pharmacol Ther** 18(06):727–32, Dec 75
Characteristics of the noradrenergic innervation of the left atrium in the chick (Gallus gallus domesticus, L.). Bennett T, et al. **Comp Biochem Physiol [C]** 52(1):47–9, 1 Oct 75
Scopolamine's effect on passive avoidance behavior in immature rats. Wilson LM, et al. **Dev Psychobiol** 9(3):245–54, May 76
Cholinergic modulation of tonic immobility in the rabbit (Oryctolagus cuniculus). Hation DC, et al. **J Comp Physiol Psychol** 89(9):1053–60, Nov 75
In vivo changes of guanosine 3',5'-cyclic phosphate in rat cerebellum by dopaminergic mechanisms. Burkard WP, et al. **J Neurochem** 27(1):297–8, Jul 76
Motor effects of cholinergic stimulation of the globus pallidus in rats. Springer P, et al. **J Neurosci Res** 1(2):143–9, 1975
Scopolamine effects on visual discrimination: modifications related to stimulus control. Evans HL. **J Pharmacol Exp Ther** 195(1):105–13, Oct 75
The effect of scopolamine on the stimulus change phenomenon. Stewart WJ. **Life Sci** 17(11):1733–6, 1 Dec 75
Central effects of scopolamine and (+)-amphetamine on locomotor activity: interaction with strain and stress variables; Anisman H, et al. **Neuropharmacology** 14(11):835–40, Nov 75
Dissociation of disinhibitory effects of scopolamine: strain and task factors. Anisman H. **Pharmacol Biochem Behav** 3(4):613–8, Jul–Aug 75
Effects of d-amphetamine and scopolamine on activity before and after shock in three mouse strains. Anisman H, et al. **Pharmacol Biochem Behav** 3(5):819–24, Sep–Oct 75
Differential effects of scopolamine and D-amphetamine on avoidance: Strain interactions. Anisman H. **Pharmacol Biochem Behav** 3(5):809–17, Sep–Oct 75
Effects of scopolamine and D-amphetamine on one-way, shuttle and inhibitory avoidance: a diallel analysis in mice. Anisman H. **Pharmacol Biochem Behav** 3(6):1037–42, Nov–Dec 75
Role of stimulus locale on strain differences in active avoidance after scopolamine of D-amphetamine treatment. Anisman H. **Pharmacol Biochem Behav** 4(1):103–6, Jan 76
Effect of scopolamine on the reactivity of the albino rat to footshock. Feigley DA, et al. **Pharmacol Biochem Behav** 4(3):255–8, Mar 76
Scopolamine effects on delayed spatial alternation in the rat. Heise GA, et al. **Pharmacol Biochem Behav** 3(6):993–1002, Nov–Dec 75
Effects of manipulating cholinergic tone upon the activity-stress ulcer. Houser V, et al. **Pharmacol Biochem Behav** 3(5):825–31, Sep–Oct 75
Scopolamine induced changes in activity and reactions to novelty. Hughes RN, et al. **Pharmacol Biochem Behav** 3(5):731–4, Sep–Oct 75
Comparing the effects of scopolamine on operant and aggressive responses in squirrel monkeys. Plotnik R, et al. **Pharmacol Biochem Behav** 3(5):739–48, Sep–Oct 75
Effects of diazepam and scopolamine on storage, retrieval and organizational processes in memory. Ghoneim MM, et al. **Psychopharmacologia** 44(3):257–62, 21 Nov 75
Effects of scopolamine and alpha-methylparatyrosine upon predatory attack in cats. Katz RJ, et al. **Psychopharmacologia** 42(2):153–7, 28 May 75
Scopolamine and amphetamine effects on discrimination: interaction with stimulus control. Ksir C. **Psychopharmacologia** 43(1):37–41, 23 Jul 75
The effects of pre-exposure to scopolamine on subsequent drug state discrimination. McKim WA. **Psychopharmacologia** 47(2):153–5, 28 May 76
Effects of scopolamine, physostigmine and chlordiazepoxide on punished and extinguished water consumption in rats. Miczek KA, et al. **Psychopharmacologia** 42(3):263–9, 19 Jun 75
Asymmetrical cross-tolerance between morphine and scopolamine induced antinociception in the primate: differential sites of action. Pert A, et al. **Psychopharmacologia** 44(2):139–45, 31 Oct 75
Dose–response effects of scopolamine on activity in an open field. Stewart WJ, et al. **Psychopharmacologia** 44(3):291–5, 21 Nov 75
Letter: Hippocampal activity and scopolamine. Vanderwolfe CH. **Science** 192(4242):914–5, 28 May 76
[Synthesis, release and distribution of acetylcholine in the brain of rats under cholinergic influences] Olsner V, et al. **Farmakol Toksikol** 38(4):406–11, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Possibility of preparing stable 0.25% eyedrop solutions of scopolamine hydrobromide] Kondrat'eva TS, et al. **Farmatsiia** 24(3):29–33, May–Jun 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Ru-Tuss in the symptomatic treatment of allergic rhinitis. Jackson RH, et al. **Ann Allergy** 35(3):172–4, Sep 75

SCOPOLAMINE DERIVATIVES see under **SCOPOLAMINE**

SCOPOLETIN see under **COUMARINS**

SCORBUTUS see **SCURVY**

SCORPIONS

Structure–function relationships of scorpion neurotoxins. Habersetzer-Rochat C, et al. **Biochemistry** 15(11):2254–61, 1 Jun 76
Inhibition of insulin rlease by scorpion toxin in rat pancreatic islets. Johnson DG, et al. **Diabetes** 25(3):198–201, Mar 76
Stimulation of glucagon secretion by scorpion toxin in the perfused rat pancreas. Johnson DG, et al. **Diabetes** 25(8):645–9, Aug 76
Physiological effects of scorpion venom on frog gastrocnemius muscle. Venkateswarlu D, et al. **Indian J Exp Biol** 13(5):429–31, Sep 75
Effect of toxin II isolated from scorpion venom on action potential and contraction of mammalian heart. Coraboeuf E, et al. **J Mol Cell Cardiol** 7(9):643–53, Sep 75
Electrophysiological observations on the action of the purified scorpion venom, tityustoxin, on nerve and skeletal muscle of the rat. Warnick JE, et al. **J Pharmacol Exp Ther** 198(1):155–67, Jul 76
Scorpion stings in dogs. Thornton DJ. **J S Afr Vet Assoc** 46(2):205, Jun 75
Pharmacology of scorpion toxin II in the skeletal muscle. Lin SS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):359–68, 30 Jul 75
Electrocardiographic studies with scorpion (Buthus minax, L. Koch) venom. Ismail M, et al. **Toxicon** 14(2):79–83, 1976
Effects of venom from the scorpion Heterometrus fulvipes on some enzyme systems of sheep brain. Prameelamma Y, et al. **Toxicon** 13(6):482–4, Dec 75
Proceedings: Lipids in scorpion (Leiurus quinquestriatus H and E) venom. Ibrahim SA, et al. **West Afr J Pharmacol Drug Res** 2(1):93P–94P, Dec 74
[Effects of venom of the scorpion Androctonus mauretanious on electrocardiogram of rats] Roch-Arveiller M, et al. **C R Soc Biol (Paris)** 168(10–11–12):1234–8, 1974 (Eng. Abstr.) **(Fre)**
[Treatment of envenomation caused by scorpion stings] Louis J. **Maroc Med** 55(591):277–9, Jun 75 **(Fre)**
[Preliminary note. Experimental obtainment of the anatomo-pathological pattern of acute hemorrhagic pancreatitis in the dog by inoculation of Tityus serrulatus venom] Machado JC, et al. **Mem Inst Butantan** 38:159–62, 1974 **(Por)**

CLASSIFICATION

[List and data of the geographic distribution of Mexican scorpions] Nájera AD. **Rev Invest Salud Publica** 35(1):1–36, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunological studies with scorpion (Androctonus amoreuxi Aud. & Sav.) venom. Ismail M, et al. **Toxicon** 13(6):405–8, Dec 75

METABOLISM

Ion concentrations and pH of the hemolymph of the scorpions Hadrurus arizonensis and Paruroctonus mesaensis. Bowerman RF. **Comp Biochem Physiol [A]** 54(3):331–3, 1976
Some biochemical studies on denervated pedipalpal muscles of scorpion, Heterometrus fulvipes. Satyanarayana K, et al. **Comp Biochem Physiol [B]** 52(3):383–6, 15 Nov 75
Distribution & synthesis of glycogen in the scorpion Heterometrus fulvipes (C. L. Koch). Ramamurthi R, et al. **Indian J Exp Biol** 13(5):446–7, Sep 75
Metabolism of glycosaminoglycans in Heterometrus scaber. Vijayalakshmi NR, et al. **Indian J Exp Biol** 14(1):10–3, Jan 76
Functional roles of luminal sodium and potassium in water transport across desert scorpion ileum. Ahearn GA, et al. **Nature** 261(5555):66–8, 6 May 76
Lipid content of scorpion (Leiurus quinquestriatus, H and E) venom. Marie ZA, et al. **Toxicon** 14(2):93–6, 1976

MICROBIOLOGY

[A cytoplasmic virus in the scorpion Buthus occitanus Amoreux] Morel G. **C R Acad Sci [D] (Paris)** 280(25):2893–4, 30 Jun 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cold hardiness in the scorpion, Paruroctonus aquilonalis. Riddle WA, et al. **Cryobiology** 13(2):248–53, Apr 76
Diurnal rhythmic activity in the heart-beat of the scorpion Heterometrus fulvipes C. L. Koch. Naidu VD, et al. **Indian J Exp Biol** 14(1):1–5, Jan 76
Physiology of the scorpion heart: Part I—Experimental analysis of neurogenic nature of the heart beat in the scorpion Heterometrus fulvipes C. Koch. Padmanabhanaidu B, et al. **Indian J Exp Biol** 13(1):22–6, Jan 75
Motor excitation with reference to neural photoreception in scorpion. Geethabali. **Life Sci** 18(9):1009–12, 1 May 76
The venom-squirting ability of Parabuthus scorpions (arachnida: buthidae). Newlands G. **S Afr J Med Sci** 39(4):175–8, 1974
Pharmacological studies of scorpion (Androctonus amoreuxi Aud. & Sav.) venom. Ghazal A, et al. **Toxicon** 13(4):253–9, Aug 75
[Proceedings: Interrelations between cholinergic and monoaminergic mechanisms in the determinism of spontaneous electrical activity in the central nervous system of scorpion (author's transl)] Goyffon M, et al. **Ann Endocrinol (Paris)** 36(2):101–2, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[A spontaneous rhythmic electrical activity in the cehalic nervous system of the scorpion] Goyffon M, et al. **C R Acad Sci [D] (Paris)** 280(7):873–6, 17 Feb 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Nuclear shaping during spermiogenesis in the whip scorpion. Phillips DM. **J Ultrastruct Res** 54(3):397–405, Mar 76

SCOTOMA

Acute macular neuroretinopathy. Bos PJ, et al. **Am J Ophthalmol** 80(4):573–84, Oct 75
Blindspot syndrome vs blindspot mechanism. Prizner S. **Am Orthopt J** 25:76–8, 1975
[Methodical characteristics in the study of blind spot] Kolbanov VV. **Oftalmol Zh** 30(6):470–2, 1975 (38 ref.) **(Rus)**

COMPLICATIONS

Ring scotomata in fundus flavimaculatus. Passmore JA, et al. **Am J Ophthalmol** 80(5):907–12, Nov 75

DIAGNOSIS

Anisotropies and scotomas of binocular disparity detectors in humans. pp. 17–23. Julesz B. **In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.**
[Quantitative expression of functional macular scotoma] François P, et al. **Ber Dtsch Ophthalmol Ges** (73):126–9, 1975 **(Ger)**
[Differential diagnosis of bitemporal paracentral visual fields defects in 'low-tension glaucoma' and tumors of the pituitary gland (author's transl)] Schmidt D. **Klin Monatsbl Augenheilkd** 166(4):483–8, Apr 75 (Eng. Abstr.) **(Ger)**
[New clinical variant of Foster Kennedy syndrome] Palamarchuk GS, et al. **Oftalmol Zh** 30(5):386–7, 1975 **(Rus)**

ETIOLOGY

Visual field changes in branch retinal 'vein' occlusion. Birchall CH, et al. **Arch Ophthalmol** 94(5):747–54, May 76
Studies of suppression in alternating constant exotropia and intermittent exotropia. With reference to effects of fusional background. pp. 531–46. Awaya S, et al. **In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.**

Scotomatous defects in the central visual field in pituitary adenomas. Sugita K, et al. **Neurochirurgia (Stuttg)** 18(5):155–62, Sep 75

The chiasmal enigma Hughes B. **Proc Aust Assoc Neurol** 12:191–5, 1975

Non-glaucomatous arcuate scotomata. Hay JR. **Trans Ophthalmol Soc NZ** 27:36–7, 1975

[A case of Whipple's disease complicated by bilateral central scotoma] Henry C, et al. **Bull Soc Ophtalmol Fr** 74(11):1111–4, Nov 74 **(Fre)**

PHYSIOPATHOLOGY

[Results of objective accomodation measurements on eyes with functional permanent central scotoma] Otto J, et al. **Ophthalmologica** 172(2–3):181–3, 1976 **(Ger)**

[Objective accomodation measurements in patients with periodical central scotoma (strabismus alternans and decompensated heterophoria)] Safra D, et al. **Ophthalmologica** 172(2–3):184–5, 1976 **(Ger)**

SCOTOPHOBIN see under **PEPTIDES**

SCRAPIE

Multiple sclerosis: relation to scrapie and slow infection; ageing and measles. Field EJ. **Acta Neurol Scand** 51(4):285–98, Apr 75

Scrapie in sheep and goats. Dickinson AG. **Front Biol** 44:209–41, 1976 (78 ref.)

ENZYMOLOGY

Profiles of brain glycosidase activity in cuprizone-fed Syrian hamsters and in scrapie-affected mice, rats, Chinese hamsters and Syrian hamsters. Kimberlin RH, et al. **J Comp Pathol** 86(1):135–42, Jan 76

ETIOLOGY

Introduction to the scrapie diseases: self-replicating agents surviving standard autoclaving for an hour and 10% formalin for a year. Kast RE. **Mater Med Pol** 8(1):3–12, Jan–Mar 76 (79 ref.)

METABOLISM

Biochemical and behavioural changes in scrapie. Kimberlin RH. **Front Biol** 44:307–23, 1976 (48 ref.)

MICROBIOLOGY

The fate of ME7 scrapie infection in rats, guinea-pigs and rabbits. Barlow RM, et al. **Res Vet Sci** 21(1):110–1, Jul 76

PATHOLOGY

The pathology of a natural and experimental scrapie. Fraser H. **Front Biol** 44:267–305, 1976 (91 ref.)

The pathogenesis of scrapie in mice. Outram GW. **Front Biol** 44:325–57, 1976 (75 ref.)

Pathology of transmissible and degenerative diseases of the nervous system. pp 161–74. Oppenheimer DR. **In: Illis LS, ed. Viral diseases of the central nervous system. Baltimore, Williams & Wilkins, 1975. WL 300 V813 1974.**

The effects of cuprizone toxicity on the incubation period of scrapie in mice. Kimberlin RH, et al. **J Comp Pathol** 86(3):489–96, Jul 76

Infectious etiology of neuritic (senile) plaques in mice. Wiśniewski HM, et al. **Science** 190(4219):1108–10, 12 Dec 75

TRANSMISSION

Letter: Interspecies transmission of scrapie-like diseases. Kimberlin RH, et al. **Lancet** 2(7948):1309–10, 27 Dec 75

VETERINARY

[A study of the agent of scrapie adapted to hamsters] Gardash'ian AM. **Biull Eksp Biol Med** 81(2):199–201, Feb 76 (Eng. Abstr.) **(Rus)**

SCRAPIE VIRUS

The physico-chemical nature of the scrapie agent. Millson GC, et al. **Front Biol** 44:243–66, 1976 (71 ref.)

Properties of the scrapie agent-endomembrane complex from hamster brain. Semancik JS, et al. **J Virol** 18(2):693–700, May 76

Is the scrapie agent a virus? Cho HJ. **Nature** 262(5567):411–2, 29 Jul 76

GROWTH & DEVELOPMENT

The pathogenesis of scrapie in mice. Outram GW. **Front Biol** 44:325–57, 1976 (75 ref.)

Scrapie in vitro: agent replication and reduced cell yield. Carp RI, et al. **Infect Immun** 14(1):163–7, Jul 76

The effects of cuprizone toxicity on the incubation period of scrapie in mice. Kimberlin RH, et al. **J Comp Pathol** 86(3):489–96, Jul 76

Introduction to the scrapie diseases: self-replicating agents surviving standard autoclaving for an hour and 10% formalin for a year. Kast RE. **Mater Med Pol** 8(1):3–12, Jan–Mar 76 (79 ref.)

Infection of a cell line of mouse L fibroblasts with scrapie agent. Clarke MC, et al. **Nature** 261(5556):144–5, 13 May 76

ISOLATION & PURIFICATION

The membrane location of scrapie infectivity. Clarke MC, et al. **J Gen Virol** 31(3):441–5, Jun 76

Isolation of 14-nm virus-like particles from mouse brain infected with scrapie agent. Cho HJ, et al. **Nature** 257(5528):685–6, 23 Oct 75

The fate of ME7 scrapie infection in rats, guinea-pigs and rabbits. Barlow RM, et al. **Res Vet Sci** 21(1):110–1, Jul 76

The effect of homogenisation on the level of scrapie activity detected in cells from spleens of scrapie affected mice. Clarke MC, et al. **Res Vet Sci** 20(1):106–7, Jan 76

Partial purification of the scrapie agent from mouse brain by pressure disruption and zonal centrifugation in sucrose-sodium chloride gradients. Siakotos AN, et al. **Virology** 70(1):230–7, Mar 76

PATHOGENICITY

[A study of the agent of scrapie adapted to hamsters] Gardash'ian AM. **Biull Eksp Biol Med** 81(2):199–201, Feb 76 (Eng. Abstr.) **(Rus)**

SCREW WORM INFECTION see under **MYIASIS**

SCROFULA see **TUBERCULOSIS, LYMPH NODE**

SCROTUM

Seminal degeneration associated with chorioptic mange of the scrotum of rams. Rhodes AP. **Aust Vet J** 51(9):428–32, Sep 75

Percivall Pott and cancer scroti. Kipling MD, et al. **Br J Ind Med** 32(3):244–50, Aug 75

Fournier's gangrene: a report of 5 cases. Pande SK, et al. **Br J Surg** 63(6):479–81, Jun 76

Abdominoscrotal hydrocele. Parekh BR, et al. **Br J Surg** 62(8):629–32, Aug 75

The painful scrotum: torsion vs epididymo-orchitis. Kelalis PP, et al. **Clin Pediatr (Phila)** 15(3):220–1, Mar 76

The value of scrotal thermography as compared with selective retrograde venography of the internal spermatic vein for the diagnosis of 'subclinical' varicocele. Comhaire F, et al. **Fertil Steril** 27(6):694–8, Jun 76

Fournier's gangrene of the scrotum: the urologic viewpoint. Birdsall TM. **Int J Dermatol** 14(7):506–7, Sep 75

Fournier's gangrene of the scrotum. Singh S, et al. **Int J Dermatol** 14(7):508–9, Sep 75

Massive scrotal herniation of the urinary bladder. Ketonen PE, et al. **Int Surg** 61(3):171–2, Mar 76

Fournier's gangrene of the scrotum and penis: a case report. DeBandi HO Jr. **J Ky Med Assoc** 73(6):329–30, Jun 75

Mucinous adenoid tumor of the paratesticular tissue. Mukerjee MG, et al. **J Urol** 115(4):472–3, Apr 76

Scrotal swelling in the Schönlein–Henoch syndrome. Turkish VJ, et al. **J Urol** 115(3):317–9, Mar 76

Creation and use of a scrotal sperm bank in aplasia of the vas deferens. Vickers MA Jr. **J Urol** 114(2):242–5, Aug 75

Letter: An unusual hernia. Padmanabhan AI, et al. **JAMA** 235(26):2813, 28 Jun 76

Letter: Mineral-oil cancers. Shannon H. **Lancet** 1(7968):1082, 15 May 76

Syphilitic elephantiasis of the penis and scrotum. Elsahy NI. **Plast Reconstr Surg** 57(5):601–3, May 76

B-mode ultrasonic evaluation of scrotal swellings. Shawker TH. **Radiology** 118(2):417–9, Feb 76

Editorial: Oil cancer. **Trans St Johns Hosp Dermatol Soc** 60(2):191–2, 1974

'Acute scrotum' in Henoch-Schönlein syndrome. Crosse JE, et al. **Urology** 7(1):66–7, Jan 76

Percivall Pott (1713–1788): 200th anniversary of first report of occupation-induced cancer scrotum in chimney sweepers (1775). Melicow MM. **Urology** 6(6):745–9, Dec 75

Kaposi's sarcoma of scrotum. Vyas S, et al. **Urology** 8(1):82–5, Jul 76

[A case of gas gangrenous pelvo-rectal and ischio-rectal paraproctitis and phlegmon of the scrotum] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 27(4):323–5, 1974 **(Bul)**

[Fournier's disease—clinical picture, histomorphology and prognosis] Kulov N. **Khirurgiia (Sofiia)** 27(5):434–5, 1974 **(Bul)**

[Oil keratoses and scrotal cancer, an avoidable occupational disease of the metal turner] Hundeiker M, et al. **Berufsdermatosen** 23(5):174–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Clinical picture and classification of balanitis candidomycetica and candidiasis follicularis scroti et perigenitalis] Farkaš J. **Dermatol Monatsschr** 161(3):201–8, Mar 75 **(Ger)**

[Sialic acids in extramammary Paget's disease (author's transl)] Ishikawa H, et al. **Jpn J Dermatol [A]** 85(5):295–7, 15 Apr 75 **(Jpn)**

[Skin cancer of the scrotum] Zak BI, et al. **Vestn Dermatol Venerol** (12):54–7, Dec 75 (Eng. Abstr.) **(Rus)**

[2 new cases of juvenil gangrenous vascularitis of the scrotum] Piñol Agude J, et al. **Med Cutan Iber Lat Am** (2):101–5, 1974 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Webbed penis without chordee. Puri P. **J Pediatr Surg** 11(1):125, Feb 76

[Accessory spleen in the scrotum] Dradi M, et al. **Pathologica** 67(973–974):503–12, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Relationship of testicular weight to age and scrotal circumference of Holstein bulls. Coulter GH, et al. **J Dairy Sci** 59(4):730–2, Apr 76

Letter: Scrotal asymmetry in man and in ancient sculpture. McManus IC. **Nature** 259(5542):426, 5 Feb 76

Letter: Scrotal asymmetry: an appendix. Stewart AF. **Nature** 262(5564):155, 8 Jul 76

BLOOD SUPPLY

[Spontaneous scrotal gangrene of the Fournier type] Darewicz J, et al. **Pol Przegl Chir** 48(2 A):309–11, Feb 76 **(Pol)**

[Case of scrotal gangrene] Kościolek E, et al. **Pol Przegl Chir** 48(2 A):313–5, Feb 76 (Eng. Abstr.) **(Pol)**

[Spontaneous gangrene of the scrotum] Reznitskiĭ MI. **Khirurgiia (Mosk)** (2):135, Feb 76 **(Rus)**

INJURIES

Reconstruction of the penoscrotal skin after avulsion. Sangmit S. **Int Surg** 60(10):563–5, Oct 75

Injuries to scrotal contents by blunt trauma. Redman JF, et al. **Urology** 7(2):190–1, Feb 76

[Left encapculated chronic suppurative pleurisy due to an impalement of unknown origin] Latarjet M, et al. **Chirurgie** 101(8):527–32, 11–25 Jun 75 (Eng. Abstr.) **(Fre)**

[4 cases of peno-scrotal avulsions] Michaud B, et al. **J Urol Nephrol (Paris)** 81(7–8):558–62, Jul–Aug 75 **(Fre)**

[Excoriation injuries of the penis and scrotum (author's transl)] Stoll HG, et al. **Urologe [A]** 14(6):272–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Surgical treatment of skin loss involving the penis, scrotum and perineum] Stępniewski J, et al. **Pol Przegl Chir** 48(2 A):329–31, Feb 76 (Eng. Abstr.) **(Pol)**

INNERVATION

Central nervous responses to cooling and warming of the rat scrotal skin. Hellon RF. **Arch Sci Physiol (Paris)** 27(4):371–83, 1973

Internal structure of the ilioinguinal nerve in postfetal life in man. Zaluska S. **Folia Morphol (Warsz)** 35(1):41–54, 1976

METABOLISM

The melanogenic response to testosterone in scrotal epidermis: effects on tyrosinase activity and protein synthesis. Wilson MJ, et al. **Acta Endocrinol (Kbh)** 81(2):435–48, Feb 76

PATHOLOGY

Multilating granuloma inguinale. Fritz GS, et al. **Arch Dermatol** 111(11):1464–5, Nov 75

Idiopathic scrotal calcinosis. A report of six cases from the Sudan. Veress B, et al. **East Afr Med J** 52(12):705–10, Dec 75

Porocarcinoma associated with extramammary Paget's disease. Eng AM, et al. **J Cutan Pathol** 1(6):249–55, 1974

Extratesticular lipoma: report of 2 cases and a new classification. Florante J, et al. **J Urol** 116(3):324–6, Sep 76

PHYSIOLOGY

Male anxiety during sleep. Bell AI. **Int J Psychoanal** 56(4):455–64, 1975

Scrotal allografts of fetal ovaries. Mangoushi MA. **J Anat** 120(3):595–9, Dec 75

Vasomotor response to thermal stimulation of the scrotal skin in rats. Neya T, et al. **Pfluegers Arch** 363(1):15–8, 6 May 76

SURGERY

A cosmetic inguinoscrotal incision for inguinal hernia in infants and children. Moloney GE. **Aust NZ J Surg** 45(2):202–3, May 75

The scrotal flap repair for ischial decubitus ulcers: a follow-up. Kaplan I. **Br J Plast Surg** 29(1):34, Jan 76

Solitary leiomyomas arising from the tunica dartos scroti. Siegal GP, et al. **J Urol** 116(1):69–71, Jul 76

Successful autotransplantation of an intra-abdominal testis to the scrotum by microvascular technique. Silber SJ, et al. **J Urol** 115(4):452–4, Apr 76

Reconstruction of the male external genitalia. Boxer RJ. **Surg Gynecol Obstet** 141(6):939–44, Dec 75

Scrotal flap urethroplasty in the treatment of carcinoma of the penis. Jameson RM. **Trop Doct** 6(2):68–9, Apr 76

Hydrocelectomy. Evaluation of technique. Gottesman JE. **Urology** 7(4):386–7, Apr 76

[One-stage closure of an urethral fistula using a scrotal flap] Carre JL. **Ann Chir Plast** 19(4):369–72, 1974 (Eng. Abstr.) **(Fre)**

[Late spermatological results following unilateral orchidopexy] Chiari R, et al. **Verh Anat Ges** 68:169–74,

1974 (Eng. Abstr.) **(Ger)**
[Conduction anesthesia in operations on the scrotum and its organs] Barskiĭ AV. **Urol Nefrol (Mosk)** (5):57–9, Sept–Oct 75 **(Rus)**

SCRUB TYPHUS

Clinical observations of scrub typhus on Penghu (the Pescadores Islands). Fang RC, et al. **Trop Geogr Med** 27(2):143–50, Jun 75

IMMUNOLOGY

Different allotypic susceptibility of mice to Rickett-sia tsutsugamushi. Kekcheeva NG, et al. **Acta Virol (Praha)** 20(2):142–6, Apr 76
Host defenses in experimental scrub typhus: role of cellular immunity in heterologous protection. Shirai A, et al. **Infect Immun** 14(1):39–46, Jul 76
Protection against scrub typhus infection engendered by the passive transfer of immune sera. Robinson DM, et al. **Southeast Asian J Trop Med Public Health** 6(4):477–82, Dec 75

MICROBIOLOGY

[Study of the pathogenic properties of the causative agent of tsutsugamushi fever in the process of prolonged cultivation in an experimental animal] Plotnikova LF. **Zh Mikrobiol Epidemiol Immunobiol** (10):126–7, Oct 75 **(Rus)**

OCCURRENCE

Imported scrub typhus. Maher PH. **Conn Med** 40(6):377–8, Jun 76
Correlation of chigger abundance with temperature at a hyperendemic focus of scrub typhus. Van Peenen PF, et al. **J Parasitol** 62(4):653–4, Aug 76
[Tsutsugamushi fever in the Kuril Islands] Somoz GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):69–73, Feb 76 (Eng. Abstr.) **(Rus)**
[Sporadic cases of tsutsugamushi fever on Kamchatka] Zak MR. **Zh Mikrobiol Epidemiol Immunobiol** (2):124–7, Feb 76 **(Rus)**

PATHOLOGY

Cytological investigation of Rickettsia tsutsugamushi infection of mice with different allotypic susceptibility to the agent. Kokorin IN, et al. **Acta Virol (Praha)** 20(2):147–51, Apr 76
Host defenses in experimental scrub typhus: histopathological correlates. Catanzaro PJ, et al. **Infect Immun** 13(3):861–75, Mar 76

TRANSMISSION

[Tromiculid mites of the southern Kurile Islands and their participation in the circulation of the causative agent of tsutsugamushi fever] Gopachenko IM, et al. **Med Parazitol (Mosk)** 45(3):289–94, May–Jun 76 (Eng. Abstr.) **(Rus)**

SCULPTURE see under **ART**

SCURVY

Ascorbic acid—scurvy. Woodruff CW. **Prog Food Nutr Sci** 1(7–8):493–506, 1975 (45 ref.)
Scurvy. Wallerstein RO, et al. **Semin Hematol** 13(3):211–8, Jul 76
[2 cases of infantile scurvy] Chauveau C, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):201–5, 1974 (Eng. Abstr.) **(Fre)**

BLOOD

Human requirements and needs. Vitamin C status: methods and findings. Sauberlich HE. **Ann NY Acad Sci** 258:438–50, 30 Sep 75

COMPLICATIONS

Scurvy and hemarthrosis. Bevelaqua FA, et al. **JAMA** 235(17):1874–6, 26 Apr 76
[Osseous scurvy in an 11-month-old infant. Radiological course] Béraud C, et al. **J Radiol Electrol Med Nucl** 56(6–7):527–30, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Lack of antiscorbutic activity of ascorbate 2-sulfate in the rhesus monkey. Machlin LJ, et al. **Am J Clin Nutr** 29(8):825–31, Aug 76

ENZYMOLOGY

Is L-gulonolactone-oxidase the only enzyme missing in animals su0ject to scurvy? Sato P, et al. **Biochem Biophys Res Commun** 71(1):293–9, 12 Jul 76
Immunologic evidence that the gene for L-gulono-gamma-lactone oxidase is not expressed in animals subject to scurvy. Nishikimi M, et al. **Proc Natl Acad Sci USA** 73(6):2066–8, Jun 76

ETIOLOGY

Letter: Scurvy in anorexia nervosa. George GC, et al. **S Afr Med J** 49(35):1420, 16 Aug 75
[The spontaneous occurrence of scorbutic changes in a randomly bred strain of laboratory rats] Fortmeyer HP, et al. **Dtsch Tieraerztl Wochenschr** 83(1):27–32, 5 Jan 76 (Eng. Abstr.) **(Ger)**

HISTORY

James Lind and the cure of scurvy: an experimental approach. Hughes RE. **Med Hist** 19(4):342–51, Oct 75
Copper boilers and the occurrence of scurvy: an experimental approach. Jones E, et al. **Med Hist** 20(1):80–1, Jan 76

METABOLISM

Utilization of ascorbic acid in fish. Halver JE, et al. **Ann NY Acad Sci** 258:81–102, 30 Sep 75
The absence of an inhibitory effect of metyrapone (2-methyl-1,2-di (3-pyridyl) propan-1-one) on hepatic microsomal hydroxylation in scurvy. Fielding AM, et al. **Experientia** 31(12):1394–5, 15 Dec 75
Effect of ascorbic acid on histamine metabolism in scorbutic guinea-pigs. Chatterjee IB, et al. **J Physiol (Lond)** 251(2):271–9, Oct 75
Letter: Disruption of healed scars in scurvy—the result of a disequilibrium in collagen metabolism. Chvapil M. **Plast Reconstr Surg** 57(3):376–7, Mar 76
Disruption of healed scars in scurvy — the result of a disequilibrium in collagen metabolism. Cohen IK, et al. **Plast Reconstr Surg** 57(2):213–5, Feb 76

MORTALITY

Food intake, dietary supplements and survival time of scorbutic guinea pigs. Davies JE, et al. **Nutr Metab** 20(1):62–6, 1976

PATHOLOGY

The structure of scorbutic regenerating capillaries in skeletal muscle wounds. McKinney RV Jr. **Microvasc Res** 11(3):361–79, May 76

PHYSIOPATHOLOGY

Biological function of ascorbic acid and the pathogenesis of scurvy: a working hypothesis. Cameron E. **Med Hypotheses** 2(4):154–63, Jul–Aug 76

PREVENTION & CONTROL

Further comments on the ascorbic acid requirement. Jukes TH. **Proc Natl Acad Sci USA** 72(10):4151–2, Oct 75

SEA ANEMONES see under **COELENTERATA**

SEA-LION see **PINNIPEDIA**

SEA URCHINS

The distribution of annulate lamellae in eggs and zygotes of the sand dollar, Echinarachnius parma. Skalko RG, et al. **Acta Embryol Exp (Palermo)** (2):87–99, 1975 (Eng. Abstr.)
Hand injuries from sea urchin spines. Strauss MB, et al. **Clin Orthop** (114):216–8, Jan–Feb 76

ANALYSIS

Histochemical studies of pedicellaria of an echinoid, Salmacis bicolor. Ramalingam K, et al. **Acta Histochem (Jena)** 52(2):222–30, 1975
Sea urchin embryo chromatin and nuclear ribonucleoproteins fractionated by anion exchange chromatography. Levner MH, et al. **Arch Biochem Biophys** 159(2):638–49, Aug 75
Isolation and structural studies of a sulfated sialosphingolipid from the sea urchin Echinocardium cordatum. Kochetkov NK, et al. **Biochim Biophys Acta** 424(2):274–83, 23 Feb 76
Structural gene sets active in embryos and adult tissues of the sea urchin. Galau GA, et al. **Cell** 7(4):487–505, Apr 76
Studies on the role and mode of operation of the very-lysine-rich histones in eukaryote chromatin. The conformation of phi1 histones from marine invertebrate sperm. Puigdoménech P, et al. **Eur J Biochem** 59(1):237–43, 1 Nov 75
Heterogeneity of the alpha subunit of tubulin and the variability of tubulin within a single organism. Bibring T, et al. **J Cell Biol** 69(2):301–12, May 76
Detection of long eukaryote-specific pyrimidine runs in repetitive DNA sequences and their relation to single-stranded regions in DNA isolated from sea urchin embryos. Case ST, et al. **J Mol Biol** 98(1):69–92, 15 Oct 75

CYTOLOGY

Surface fine structure of the globiferous pedicellariae of the regular echinoid, Psammechinus miliaris Gmelin. Oldfield SC. **Cell Tissue Res** 162(3):377–85, 13 Oct 75
Spermiogenesis in the sea urchins Arbacia lixula and Echinometra locunter (Echinodermata). da Cruz-Landim C, et al. **Cytologia (Tokyo)** 41(2):331–44, Apr 76
Specificity of cell adhesion: differences between normal and hybrid sea urchin cells. McClay DR, et al. **Dev Biol** 47(2):454–60, Dec 75

DRUG EFFECTS

Protection of sea urchin embryos against the action of some neuropharmacological agents and some detergents by endogenous gangliosides. Buznikov GA, et al. **Experientia** 31(8):902–4, 15 Aug 75
Effects of caffeine on cleavage delay of sea urchin eggs induced by ethidium bromide or puromycin. Kimura H. **J Radiat Res (Tokyo)** 16(2):125–31, Jun 75

EMBRYOLOGY

Sequence complexity of the RNA accumulated in oocytes of Arbacia punctulata. Anderson DM, et al. **Dev Biol** 51(1):138–45, 1 Jul 76
Lack of accumulation of ppGpp in sea urchin embryos. Brandhorst B, et al. **Dev Biol** 48(2):458–60, Feb 76
Phospholipid metabolism following fertilization in sea urchin eggs and embryos. Byrd EW Jr. **Dev Biol** 46(2):309–16, Oct 75
Enzymes of DNA biosynthesis in developing sea urchins. Changes in ribonucleotide reductase, thymidine, and thymidylate kinase activities. de Petrocellis B, et al. **Dev Biol** 48(2):250–7, Feb 76
Derivation of the membrane comprising the male pronuclear envelope in inseminated sea urchin eggs. Longo FJ. **Dev Biol** 49(2):347–68, Apr 76
Studies on the regulation of ribosomal RNA synthesis in sea urchin development. Pirrone AM, et al. **Dev Biol** 49(2):311–20, Apr 76
Developmental changes in chromatin proteins of the sea urchin from blastula to mature larva. Poccia DL, et al. **Dev Biol** 45(1):81–9, Jul 75
Role of cell interactions in development and differentiation of the sea urchin Paracentrotus lividus. Changes in the activity of some enzymes of DNA biosynthesis after cell dissociation. De Petrocellis B, et al. **Exp Cell Res** 94(2):392–400, Sep 75
Immunological studies on the incorporation of radioactive leucine into sea urchin embryonic proteins: extractability and turn-over of newly synthesized proteins. Westin M. **J Embryol Exp Morphol** 35(3):507–19, Jun 76
Developmental shifts in the synthesis of heterogeneous nuclear RNA classes in the sea urchin embryo. Dubroff LM, et al. **Nature** 260(5547):120–4, 11 Mar 76
Stage-specific switches in histone synthesis during embryogenesis of the sea urchin. Cohen LH, et al. **Science** 190(4218):994–7, 5 Dec 75
[Regulation of histogenesis in the axial organ of echinoderms (Echinodermata) according to findings from diffusion chamber cultivation] Evgen'eva TP. **Ontogenez** 6(3):296–9, 1975 (Eng. Abstr.) **(Rus)**
[Supersensitivity of sea urchin embryos to acetylcholine and monoamine antagonists] Buznikov GA, et al. **Zh Evol Biokhim Fiziol** 12(1):31–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Guanylate cyclase of sea urchin sperm: subcellular localization. Gray JP, et al. **Arch Biochem Biophys** 172(1):31–8, Jan 76
Subcellular localizations of guanylate cyclase and 3',5'-cyclic nucleotide phosphodiesterase in sea urchin sperm. Sano M. **Biochim Biophys Acta** 428(2):525–31, 23 Apr 76
[Presence of poly (A) polymerase activity in mitochondria of various organisms] De Giorgi C, et al. **Boll Soc Ital Biol Sper** 51(19):1342–8, 15 Oct 75 **(Ita)**
[Heat resistance of aldolase of the hybrid embryos of sea urchins Strongylocentrotus droebachiensis and S, intermedius] Neifakh AA, et al. **Ontogenez** 7(1):93–5, 1976 (Eng. Abstr.) **(Rus)**

METABOLISM

The glutathione thiol-disulfide status in the sea urchin egg during fertilization and the first cell division cycle. Fahey RC, et al. **Biochim Biophys Acta** 437(2):445–53, 21 Jul 76
Purification of sea urchin ribosomal RNA genes with a single-strand specific nuclease. Joseph DR, et al. **Biochim Biophys Acta** 418(2):167–74, 19 Jan 76
Embryonic stage-related properties of sea urchin embryo chromatin. Sevaljević L, et al. **Biochim Biophys Acta** 425(1):76–83, 18 Feb 76
Inhibition of pigment movement by cytochalasin B in the chromatophores of the sea urchin Centrostephanus longispinus. Dambach M, et al. **Comp Biochem Physiol [C]** 50(1):49–52, 1 Jan 75
Mitochondrial poly(A) RNA synthesis during early sea urchin development. Devlin R. **Dev Biol** 50(2):443–56, Jun 76
Potassium is not compartmentalized within the unfertilized sea urchin egg. Robinson KR. **Dev Biol** 48(2):466–72, Feb 76
Covalent structure of the sea urchin histone H4. Wouters-Tyrou D, et al. **FEBS Lett** 65(2):225–8, 1 Jun 76
3H-amino acid uptake and incorporation in sea urchin gastrulae and exogastrulae: an autoradiographic study. Karp GC, et al. **J Exp Zool** 194(3):535–45, Dec 75
Incorporation of 13C, 15N-labeled nucleosides and measurement of RNA synthesis and turnover in sea urchin embryos. Grainger RM, et al. **J Mol Biol** 104(3):589–601, 5 Jul 76
Sequence analysis and evolution of sea urchin (Lytechinus pictus and Strongylocentrotus purpuratus) histone H4 messenger RNAs. Grunstein M, et al. **J Mol Biol**

104(2):351–69, 25 Jun 76
Isolation and sequence analysis of sea urchin (Lytechinus pictus) histone H4 messenger RNA. Grunstein M, et al. **J Mol Biol** 104(2):323–49, 25 Jun 76
Studies on c-AMP contents in sea urchin eggs fertilized with normal and x-irradiated sperm. Kimura H. **J Radiat Res (Tokyo)** 16(2):120–4, Jun 75
Translation of nonpolyadenylylated messenger RNA of sea urchin embryos. Fromson D, et al. **Proc Natl Acad Sci USA** 73(1):148–51, Jan 76
Histone gene arrangement in the sea urchin, Strongylocentrotus purpuratus. Weinberg ES, et al. **Proc Natl Acad Sci USA** 72(12):4815–9, Dec 75
[DNA synthesis in isolated mitochondria of Paracentrotus lividus] Gadaleta MN, et al. **Boll Soc Ital Biol Sper** 51(19):1328–34, 15 Oct 75 **(Ita)**
[Mechanism of the protective action of acetylcholine and serotonin against their cytotoxic antagonists] Buznikov GA, et al. **Zh Evol Biokhim Fiziol** 11(2):128–33, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Anti-actomyosin. Influence on adhesive behaviour of eukaryotic cells and of Cuvierian tubules. Müller WE, et al. **Biochim Biophys Acta** 433(3):684–9, 21 May 76
Environmental regulation of the annual reproductive season of Strongylocentrotus purpuratus (Stimpson). Cochran RC, et al. **Biol Bull** 148(3):393–401, Jun 75
Neurochemical effects on sperm cell motility in Strongylocentrotus purpuratus, the purple sea urchin. Atherton RW. **Comp Biochem Physiol [C]** 50(1):21–6, 1 Jan 75
Excitatory actions of GABA and of acetyl-choline in sea urchin tube feet. Florey E, et al. **Comp Biochem Physiol [C]** 51(1):5–12, 1 Jun 75
Primary gamete binding. Quantitative determination of its specificity in echinoid fertilization. Summers RG, et al. **Exp Cell Res** 100(1):190–4, Jun 76
Mechanisms of flagellar motility. pp. 127–40. Gibbons IR.

In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Effects of viscosity and ATP concentration on the movement of reactivated sea-urchin sperm flagella. Brokaw CJ. **J Exp Biol** 62(3):701–19, Jun 75
Fertilization of sea urchins needs magnesium ions in seawater. Sano K, et al. **Science** 192(4246):1339–40, 25 Jun 76

ULTRASTRUCTURE

A preliminary report on the fine structure of Tripneustes esculentus eggs. Cousineau GH, et al. **Experientia** 31(8):906–8, 15 Aug 75
The fine structure of the acrosomal trigger. pp. 39–45. Dan JC, et al.

In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The fine structure of epidermal glands of regenerating and mature globiferous pedicellariae of a sea urchin (Lytechinus pictus). Holland LZ, et al. **Tissue Cell** 7(4):723–37, 1975
The form of the globiferous pedicellarial ossicles of the regular echinoid, Psammechinus miliaris Gmelin. Oldfield SC. **Tissue Cell** 8(1):93–9, 1976
[Ultrastructure of the nucleolus during development of Paracentrotus lividus in the presence of actinomycin D] Botte L, et al. **Boll Soc Ital Biol Sper** 51(11):646–51, 15 Jun 75 **(Ita)**
[Characterization of mitochondrial ribosomes from Paracentrotus lividus] Pepe G, et al. **Boll Soc Ital Biol Sper** 51(19):1335–41, 15 Oct 75 **(Ita)**

SEALED CABIN ECOLOGY

Volatile organic components in the Skylab 4 spacecraft atmosphere. Liebich HM, et al. **Aviat Space Environ Med** 46(8):1002–7, Aug 75
Atmospheric levels of propoxur aboard submarines after residual spraying. Mulrennan JA Jr, et al. **J Econ Entomol** 68(6):755–60, Dec 75
[Ethical limits to the maintenance of life] Becker JA. **Rev Assoc Med Bras** 22(1):33–4, Jan 76 **(Por)**
[Ethical limits of the maintenance of life] de Becker JA. **Rev Assoc Med Bras** 22(1):33–4, Jan 76 **(Por)**
[Preliminary evaluation of the possibility of using terrestrial mollusca as a component of closed ecological systems] Burenkov MS, et al. **Kosm Biol Aviakosm Med** 9(4):90–2, Jul–Aug 75 **(Rus)**
[Effect of a magnetic field on Escherichia coli] Chizhov SV, et al. **Kosm Biol Aviakosm Med** 9(5):26–31, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Sorption method of water regeneration for cosmonaut personal hygiene] Gaidadymov VA, et al. **Kosm Biol Aviakosm Med** 10(1):73–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Development of measures for preventing contamination of the atmosphere in hermetically sealed enclosures] Iablochkin VD. **Kosm Biol Aviakosm Med** 9(4):27–30, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Effect of hyperoxia and hypokinesia on the formation and excretion of gaseous metabolic products in rats] Kustov VV, et al. **Kosm Biol Aviakosm Med** 10(1):70–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Conditioning of water regenerated from moisture-containing wastes] Luzina TI, et al. **Kosm Biol Aviakosm Med** 10(2):35–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Microbiological aspects of the performance of life support systems during prolonged operation] Nefedov IuG, et al. **Kosm Biol Aviakosm Med** 9(4):19–23, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Problem of 'biological compatibility' of crew members during prolonged space flight and possible directions for its solution] Nefedov IuG, et al. **Kosm Biol Aviakosm Med** 10(2):30–4, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Toxic properties of regenerated water containing methyl alcohol] Ostapenko OF, et al. **Kosm Biol Aviakosm Med** 9(4):23–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Urine conservation by surface-active agents] Prishchep AG, et al. **Kosm Biol Aviakosm Med** 9(5):31–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Mathematical model of an experimental ecological system with spatially separated components] Riznichenko Glu, et al. **Kosm Biol Aviakosm Med** 9(4):3–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Control of mineral nutrition of higher plants in biological life support systems] Rozhdestvenskiĭ VI, et al. **Kosm Biol Aviakosm Med** 9(6):30–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Determination of the adhesive properties of food products] Rybalova EM, et al. **Kosm Biol Aviakosm Med** 10(1):86–8, Jan–Feb 76 **(Rus)**
[Composition of the volatile compounds in human sweat and urine] Savina VP, et al. **Kosm Biol Aviakosm Med** 9(6):76–8, Nov–Dec 75 **(Rus)**
[Model of an ecosystem closed as regards gas metabolism and with a periodically working autotrophic component. II. Stability of the periodic cycles] Shabel'nikov VG. **Kosm Biol Aviakosm Med** 9(6):36–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Model of an ecological system closed as regards gas metabolism and with a periodically working autotrophic component. I. Conditions for stability of the atmospheric system] Shabel'nikov VG. **Kosm Biol Aviakosm Med** 9(4):10–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Effect of the chronic action of small doses of ionizing radiation of the excretion of gaseous metabolic products in albino rats] Tiunov LA, et al. **Kosm Biol Aviakosm Med** 10(1):61–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Experimental ecological systems including man] Gitel'zon II, et al. **Probl Kosm Biol** (28):11–311, 1975 **(Rus)**
[Lipid metabolism in men served lyophilized rations for 4 to 6 months in a closed biological life support system] Vlasova NV, et al. **Vopr Pitan** (2):17–20, Mar–Apr 76 **(Rus)**
[Serologic properties of strains of Cl. perfringens isolated from the intestinal contents of healthy subjects] Borisova OK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):67–71, Jan 76 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Biomedical aspects of oxygen regulator performance: II. dynamic characteristics. Zalesky PJ, et al. **Aviat Space Environ Med** 47(5):495–502, May 76
Biomedical aspects of oxygen regulator performance: I. Static characteristics. Zalesky PJ, et al. **Aviat Space Environ Med** 47(5):485–94, May 76

SEALS see under **PINNIPEDIA**

SEASICKNESS see under **MOTION SICKNESS**

SEASONS

Seasonal studies on the adrenal homologue of female Puntius sophore (Ham.). Dixit RK, et al. **Acta Anat (Basel)** 93(3):344–50, 1975
Seasonal changes in pituitary prolactin and growth hormone content of field voles in different reproductive states (Microtus arvalis Pall., Rodentia). Vadász C. **Acta Biol Acad Sci Hung** 25(3):227–9, 1974
Importance of season and clearance correction in the definition of hypercalciuria. Preliminary report. Transbol I, et al. **Acta Med Scand** 199(1–2):127–8, 1976
Diurnal and seasonal variations of glycogen content in the rat brain. Pronaszko-Kurczyńska A. **Acta Physiol Pol** 27(2):157–62, Mar–Apr 76
Seasonal variations in severity of experimental atherosclerosis in rabbits. Kritchevsky D, et al. **Adv Exp Med Biol** 67(00):143–7, 1976
Seasonality, natality and herd immunity in feline panleukopenia. Reif JS. **Am J Epidemiol** 103(1):81–7, Jan 76
Tissue, tear, and serum IgE concentrations in vernal conjunctivitis. Allansmith MR, et al. **Am J Ophthalmol** 81(4):506–11, Apr 76
Season of birth in schizophrenia and neurosis. Hare EH. **Am J Psychiatry** 132(11):1168–71, Nov 75
Seasonality in twin births. James WH. **Ann Hum Biol** 3(2):193–5, Mar 76
Seasonal occurrence and distribution of microbial indicators and pathogens in the Rhode River of Chesapeake Bay. Carney JF, et al. **Appl Microbiol** 30(5):771–80, Nov 75
Seasonal variations in the susceptibility of the aortic wall to atherosclerosis. Biochemical studies of glycosaminoglycans and collagen of rabbit atherosclerosis. Helin P, et al. **Atherosclerosis** 24(1–2):259–66, Jul–Aug 76
The reproductive physiology of the intertidal prosobranch Thais lamellosa (Gmelin). II. Seasonal changes in biochemical composition. Stickle WB. **Biol Bull** 148(3):448–60, Jun 75
Effects of age and season on sexual behavior and plasma testosterone and dihydrotestosterone concentrations of laboratory-housed male rhesus monkeys (Macaca mulatta). Robinson JA, et al. **Biol Reprod** 13(2):203–10, Sep 75
Seasonal distribution of Henoch-Schönlein purpura. Atkinson SR, et al. **Br J Prev Soc Med** 30(1):22–5, Mar 76
The season of birth of siblings of psychiatric patients. Hare EH. **Br J Psychiatry** 129:49–54, Jul 76
Letter: The power of a test for seasonality of birth with reference to schizophrenia. James WH. **Br J Psychiatry** 129:94–5, Jul 76
Seasonal variation in the incidence of mania. Symonds RL, et al. **Br J Psychiatry** 129:45–8, Jul 76
Editorial: Summer acne. **Br Med J** 4(5989):125, 18 Oct 75
Symposium — electroconvulsive therapy. Diagnosis and evaluation of ECT. Eastwood MR, et al. **Can Psychiatr Assoc J** 21(2):55–9, Mar 76
Circannual variation in hyperbilirubinemia of neonates. Carletti B, et al. **Chronobiologia** 2(4):346–54, Oct–Dec 75
Seasonal variations in the composition of urine in relation to calcium stone-formation. Robertson WG, et al. **Clin Sci Mol Med** 49(6):597–602, Dec 75
The influence of photoperiod and temperature on seasonal testicular recrudescence in the red-sided garter snake (Thamnophis sirtalis parietalis). Hawley AW, et al. **Comp Biochem Physiol [A]** 53(2):215–21, 1976
Studies on the annual reproductive cycle of the female cobra, Naja naja. Seasonal variation in plasma inorganic ions. Lance V. **Comp Biochem Physiol [A]** 53(3):285–9, 1976
Monoamine oxidase activity in the brown fat of the ground squirrel–influence of season, arousal from hibernation and the adrenal cortex. Petrović VM, et al. **Comp Biochem Physiol [C]** 51(1):101–3, 1 Jun 75
Seasonal differences in drug- and temperature-dependent changes of the sodium transport across the isolated frog skin. Knapowski J, et al. **Curr Probl Clin Biochem** 4:188–95, 1975
Manic depressive illness: onset, diurnal temperature and season of birth. Milstein V, et al. **Dis Nerv Syst** 37(7):373–5, Jul 76
Seasonal profiles of plasma luteinizing hormone, testosterone and estradiol in the ram. Schanbacher BD, et al. **Endocrinology** 99(3):752–7, Sep 76
Seasonal variations in mitosis in the frog: a field study. Rothstein H, et al. **Experientia** 31(8):939–40, 15 Aug 75
Seasonal variation in prolactin and TSH releasing activity in the hypothalamus of Rana temporaria. Kühn ER, et al. **Gen Comp Endocrinol** 28(3):277–82, Mar 76
Seasonal cycle and physiological correlates of pinealocyte nuclear and nucleolar diameters in the bats, Myotis lucifugus and Myotis sodalis. Quay WB. **Gen Comp Endocrinol** 29(3):369–75, Jul 76
Seasonal variations in circadian levels of serum prolactin in striped mullet, Mugil cephalus. Spieler RE, et al. **Gen Comp Endocrinol** 29(1):156–60, May 76
Seasonality of births for West Malaysia's two main racial groups. Johnson JT, et al. **Hum Biol** 47(3):295–307, Sep 75
Seasonal variations of accidental poisonings in children: Illinois, 1972–73. Mullner RM. **Ill Med J** 148(2):139–40, Aug 75
Ultrastructural aspects of Golgi complex function in parathyroid cells of winter and summer frogs. pp. 399–407. Dougherty WJ.

In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Environmental effects on energy expenditure of genetically different ethnic groups. pp. 30–7. Samueloff S.

In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974.

Seasonal changes in the daily rhythms of brain electrolytes in the white-throated sparrow, Zonotrichia albicollis. pp. 652–6. Davis KB.

In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Biochronometry and bird migration: general prespective. pp. 625–9. King JR, et al.

In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (32 ref.)

Hormonal control of orientation in the white-throated sparrow, Zonotrichia albicollis. pp. 641–6. Martin DD.

In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Temporal synergism of corticosterone and prolactin controlling seasonal conditions in the white-throated sparrow, Zonotrichia albicollis. pp. 647–51. Meier AH.

In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Circannual cycles in morning plasma cortisol levels in man in Fairbanks, Alaska. pp. 256–61. Philip BA, et al.

In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Evidence for a seasonal rhythm in pineal gland function.

pp. 155–9. Reiter RJ.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Some neuroendocrine and endocrine correlates in the timing of bird migration. pp. 630–5. Stetson MH, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Seasonal variations in daily patterns of urinary excretion by Eskimo subjects. pp. 17–23. Lobban MC.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Seasonal variation in the structure & function of testis & thumb pad in the frog Rana tigrina (Daud.). Saidapur SK, et al. **Indian J Exp Biol** 13(5):432–8, Sep 75

Seasonal variation in personal health expenditure of rural populations. Rao PS, et al. **Indian J Med Res** 62(12):1881–7, Dec 74

Effect of season of immunization of the induction of delayed contact sensitivity in the guinea pig. Baer H, et al. **Int Arch Allergy Appl Immunol** 51(1):140–3, 1976

Seasonal variation in the incidence of peptic ulcera perforations. Bodhe YG, et al. **Int J Biometeorol** 19(2):85–92, Jun 75

The pineal gland and seasonal reproductive adjustments. Reiter RJ. **Int J Biometeorol** 19(4):282–8, Dec 75

Seasonal waves of asthma: a possible botanical cause. Specht RL, et al. **Int J Biometeorol** 19(1):28–36, Mar 75

Analysis of the potency of extracts of June grass pollen by their inhibitory capacities in the radioallergosorbent test. Gleich GJ, et al. **J Allergy Clin Immunol** 58(1 PT 1):31–8, Jul 76

The cross-reactivity of IgE antibodies with pollen allergens. II. Analyses of various species of ragweed and other fall weed pollens. Leiferman KM, et al. **J Allergy Clin Immunol** 58(1 PT. 2):140–8, Jul 76

Pollen season severity and meteorologic parameters in central New Jersey. Reiss NM, et al. **J Allergy Clin Immunol** 57(6):609–14, Jun 76

A volumetric study of winter fungus prevalence in the air of midwestern homes. Solomon WR. **J Allergy Clin Immunol** 57(1):46–55, Jan 76

Proceedings: Seasonal variations in the rate of fluid absorption by rat intestine and its response to angiotensin. Evans JW, et al. **J Endocrinol** 67(2):65P–66P, Nov 75

Growth hormone levels in the plasma of male goats throughout the year. Hart IC, et al. **J Endocrinol** 67(1):137–8, Oct 75

Seasonal variation in the episodic secretion of luteinizing hormone and testosterone in the ram. Lincoln GA. **J Endocrinol** 69(2):213–26, May 76

Variables associated with the winter camping location of elderly recreational vehical owners in southwestern Arizona. Born TJ. **J Gerontol** 31(3):346–51, May 76

Proceedings: Seasonal variation in basal metabolism in the recent years. Sasaki T, et al. **J Physiol Soc Jpn** 36(8–9):389, 1 Sep 74

Seasonal changes in plasma LH levels in domestic ducks. Haase E, et al. **J Reprod Fertil** 44(3):591–4, Sep 75

Seasonal variations in the response of the testis and LH levels to hemicastration of adult rams. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 46(1):203–9, Jan 76

Seasonal changes in the pineal gland related to the reproductive cycle in the male hare, Lepus europaeus. Lincoln GA. **J Reprod Fertil** 46(2):489–91, Mar 76

A study of seasonally delayed puberty in the male hare, Lepus Europaeus. Lincoln GA, et al. **J Reprod Fertil** 46(1):123–8, Jan 76

Effect of season on some characteristics of stallion semen. Pickett BW, et al. **J Reprod Fertil [Suppl]** (23):25–8, Oct 75

Effects of artificial light on the oestrous cycle of the mare. Sharp DC, et al. **J Reprod Fertil [Suppl]** (23):241–6, Oct 75

A study of the morphology of stallion semen during the breeding and non-breeding seasons. van der Holst W. **J Reprod Fertil [Suppl]** (23):87–9, Oct 75

Seasonal variations of daily mortality in Tokyo City. Toyama T, et al. **Keio J Med** 24(3):253–60, Jul 75

Human reovirus-like agent as the major pathogen associated with 'winter' gastroenteritis in hospitalized infants and young children. Kapikian AZ, et al. **N Engl J Med** 294(18):965–72, 29 Apr 76

Risk factors of sports injuries in winter. Lingard DA, et al. **NZ Med J** 83(557):69–73, 11 Feb 76

The seasonal occurrence of inhibited abomasal nematodes in young sheep. McKenna PB. **NZ Vet J** 22(11):214–7, Nov 74

Recurring 'red eyes' due to seasonal hypercalcaemia. Smith MJ, et al. **Postgrad Med J** 52(604):86–9, Feb 76

Meteorological effects on long term rhythmic (seasonal, pseudo-seasonal or yearly) physiological phenomena in animals. Cloudsley-Thompson JL. **Prog Biometeorol** 1 Pt 1B:578–80, 713–4, 1974

Seasonal cycles of human conception. Macfarlane WV. **Prog Biometeorol** 1 Pt 1B:557–77, 711–3, 1974 (42 ref.)

Seasonal effects on human mortality. Momiyama M. **Prog Biometeorol** 1 Pt 1B:521–548, 709, 1974

Meteorological effects on long term rhythmic (seasonal, pseudo-seasonal or yearly) physiological phenomena in man. Miscellaneous phenomena. Tromp SW. **Prog Biometeorol** 1 Pt 1B:510–20, 706–9, 1974 (59 ref.)

Seasonal variations of basal metabolism and body fluid. Yoshimura H, et al. **Prog Biometeorol** 1 Pt 1B:549–56, 709–11, 1974 (45 ref.)

Association of congenital heart defects with season and population density. Rothman KJ, et al. **Teratology** 13(1):29–34, Feb 76

Letter: The durian season in Peninsular Malaysia as a factor in the epidemiology of malaria. Ponnampalam JT. **Trans R Soc Trop Med Hyg** 69(2):285, 1975

The interaction of stars and magnetic field in the orientation system of night migrating birds. II. Spring experiments with european robins (Erithacus rubecula). Wiltschko W, et al. **Z Tierpsychol** (39):265–82, 1975

Effect of month, season and sequence of calving on milk yield in Italian buffaloes. RoyChoudhury PN, et al. **Zentralbl Veterinaermed [A]** 22(8):678–80, Oct 75

[Demonstration of a seasonal thyroid cycle in the male badger (Meles meles L) using iodine 131 fixation] Maurel D, et al. **C R Acad Sci [D] (Paris)** 281(23):1879–82, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Histologic and karyometric changes in thyroid C cells of male golden hamsters during the annual cycle] Ouvrard-Pascaud M, et al. **C R Acad Sci [D] (Paris)** 282(6):575–8, 9 Feb 76 (Eng. Abstr.) **(Fre)**

[Seasonal variations in the transfer of food labeled with 198Au from the worker to the queen domestic bee] Pain J, et al. **C R Acad Sci [D] (Paris)** 280(23):2677–80, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Caudal regeneration in Nicodrilus giardi (Ribaucourt) (Oligocheta, Lumbricidae): worms amputated at the end of summer diapause] Song MJ, et al. **C R Acad Sci [D] (Paris)** 282(4):389–91, 26 Jan 76 (Eng. Abstr.) **(Fre)**

[Role of the season and of the nutritonnal state on the distribution of tissular fatty acids in the hibernating dormouse (Eliomys quercinus L.)] Ambid L, et al. **C R Soc Biol (Paris)** 169(6):1609–16, 1975 (Eng. Abstr.) **(Fre)**

[The annual glucido-lipid cycle in a varanid of Senegal] Cissé M, et al. **C R Soc Biol (Paris)** 169(4):1084–9, 1975 (Eng. Abstr.) **(Fre)**

[Influence exerced by the season on the modifications of lipid metabolism induced by an increase of the ambiant temperature in the rat] Jouanneteau J, et al. **C R Soc Biol (Paris)** 169(6):1526–34, 1975 (Eng. Abstr.) **(Fre)**

[Seasonal differences in the frequency of suicise in youth and old age (author's transl)] Danneel R. **Arch Psychiatr Nervenkr** 221(1):11–3, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Seasonal rhythm of free tryptophan and nonesterified fatty acids in the blood of healthy subjects (author's transl)] Baumann P, et al. **Arzneim Forsch** 26(6):1083–5, 1976 (Eng. Abstr.) **(Ger)**

[Effect of seasonal and climatic factors on skin-surface lipids] Gloor M, et al. **Dermatol Monatsschr** 161(12):996–1002, Dec 75 (Eng. Abstr.) **(Ger)**

[Influence of various skin diseases, skin color and the season on the content of indole melanogens in the urine] Schwartze G, et al. **Dermatol Monatsschr** 161(8):617–21, Aug 75 (Eng. Abstr.) **(Ger)**

[Gonotrophic dissociation in Culex pipiens pipiens L. (author's transl)] Oda T, et al. **Tropenmed Parasitol** 27(1):101–5, Mar 76 (Eng. Abstr.) **(Ger)**

[Leydig-cell innervation and seasonal changes in catecholamine concentration of testis in birds] Baumgarten HG, et al. **Verh Anat Ges** 68:267–71, 1974 (Eng. Abstr.) **(Ger)**

[Season-related involution of spermatogenesis in the swan] Breucker H. **Verh Anat Ges** 69:733–7, 1975 (Eng. Abstr.) **(Ger)**

[Seasonal changes in the ultrastructure of Leydig cells in Rana esculenta] Schulze C. **Verh Anat Ges** 68:255–9, 1974 (Eng. Abstr.) **(Ger)**

[Influence of the length of day on the seasonal distribution of litters in a cat population] Hurni H. **Z Versuchstierkd** 17(2):121–8, 1975 (Eng. Abstr.) **(Ger)**

[Study on aggregation month of perinatal deaths for each prefecture (author's transl)] Yoshimoto S, et al. **Jpn J Hyg** 30(6):627–31, Feb 76 (Eng. Abstr.) **(Jpn)**

[Utilization of palynological and phenological observations in establishing the accurate etiology of pollenosis] Gniazdowski R, et al. **Otolaryngol Pol** 30(1):21–7, 1976 (Eng. Abstr.) **(Pol)**

[Renal calcium and magnesium excretion in different months in subjects with normal calcium homeostasis] Grajek S, et al. **Pol Arch Med Wewn** 56(7):17–22, Jul 76 (Eng. Abstr.) **(Pol)**

[Periodicity (seasonal incidence) of atopic diseases] Zawisza E, et al. **Pol Tyg Lek** 31(24):1021–2, 14 Jun 76 (Eng. Abstr.) **(Pol)**

[Analysis of the seasonal changes in the vascular tonus of frogs] Tsybenko VA, et al. **Biol Nauki** (7):38–42, 1975 **(Rus)**

[Seasonal rhythms of functional activity of the adrenocorticotropic function of the red-cheeked suslik hypophysis] Drass PM, et al. **Dokl Akad Nauk SSSR** 225(2):474–6, 11 Nov 75 **(Rus)**

[Seasonal dynamics of inversion polymorphism in a natural population of the malarial mosquito Anopheles messeae (Diptera: Culicidae)] Kabanova VM, et al. **Genetika** 9(10):78–82, Oct 73 (Eng. Abstr.) **(Rus)**

[Seasons and zonal prevalence of pneumonia in children in the Transkarpathian region] Efimova LK, et al. **Pediatriia** (4):46–8, Apr 75 **(Rus)**

[Seasonal dynamics in the function of avian pituitary gonadotropic cells] Novikov BG, et al. **Tsitol Genet** 9(3):218–21, May-Jun 75 **(Rus)**

[Seasonal changes in the makeup of cod oil] Rzhavskaia FM, et al. **Vopr Pitan** (1):76–80, Jan-Feb 1975 (Eng. Abstr.) **(Rus)**

[Role of hormonal and seasonal factors in the effect of vitamin E on cholinesterase activity in the nervous system] Teplyĭ DL, et al. **Vopr Pitan** (1):27–31, Jan-Feb 1975 (Eng. Abstr.) **(Rus)**

[Incidence of congenital anomalies in newborn infants and the role of seasonal factors] Ovakimian ES. **Zh Eksp Klin Med** 15(6):62–5, 1975 **(Rus)**

SEAT BELTS

Seat belt buckle burn. Saitz EW. **Am J Dis Child** 129(12):1456–7, Dec 75

Safety belt use in automobiles with starter-interlock and buzzer-light reminder systems. Robertson LS. **Am J Public Health** 65(12):1319–25, Dec 75

Estimates of motor vehicle seat belt effectiveness and use: implications for occupant crash protection. Robertson LS. **Am J Public Health** 66(9):859–64, Sep 76

Letter: An unnecessary risk to children. Anderson JS. **Br Med J** 1(6007):461, 21 Feb 76

Letter: Compulsory seat belts. Fraser-Moodie A. **Br Med J** 2(6028):178–9, 17 Jul 76

Letter from ... Denmark. Problems of prevention. Frolund F. **Br Med J** 3(5986):760–1, 27 Sep 75

Letter: Compulsory seat belts. Primrose J. **Br Med J** 2(6032):422, 14 Aug 76

The hazard of the unrestrained occupant. Huelke DF, et al. **J Trauma** 16(5):383–9, May 76

Editorial: Safety for children in automobiles. Hames LN. **JAMA** 233(10):1089, 8 Sep 75

The influence of seat belt wearing on the incidence of severe head injury. Petty PG. **Med J Aust** 2(20):768–9, 15 Nov 75

Medicopolitical peace? — Challenge to Clinical Autonomy — Compulsory seat belts. Lister J. **N Engl J Med** 294(18):996–8, 29 Apr 76

Safety restraints for children travelling in motor vehicles. White IW, et al. **S Afr Med J** 50(28):1099–102, 3 Jul 76

[Editorial: Seat-belt—hindrance of life-saver?] Wortreich B. **Harefuah** 89(1):38–40, 1 Jul 75 **(Heb)**

[Seat belt legislation] Solheim K. **Tidsskr Nor Laegeforen** 95(23):1319–20, 20 Aug 75 **(Nor)**

[Possibilities of traffic-injury prevention using seat belts and their disadvantages] Serafimov K. **Acta Chir Iugosl** 23(2):187–99, 1976 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Are 1974-1975 automotive belt systems hazardous to children? Snyder RG, et al. **Am J Dis Child** 129(8):946–9, Aug 75

An unusual seat-belt injury in a doctor. Jefferiss CD. **Injury** 7(4):310–2, May 76

Seat belt fractures of the cervical spine. Taylor TK, et al. **J Bone Joint Surg [Br]** 58(3):328–31, Aug 76

Roll seat belt induced injury of the duodenum. Bergqvist D, et al. **J Trauma** 16(5):390–4, May 76

Letter: New seat belt systems as a cause of meralgia paresthetica. Cuetter AC. **JAMA** 234(2):152, 13 Oct 75

The performance of seat belts in severe crashes. Ryan GA. **Med J Aust** 2(24):899–901, 13 Dec 75

Rupture of the bowel due to road trauma: the emergence of the 'seat belt syndrome'. Vellar ID, et al. **Med J Aust** 1(19):694–6, 8 May 76

Gallbladder rupture, an isolated seat belt injury. Wright JE. **Med J Aust** 1(21):785–6, 22 May 76

[Seat-belt injuries in the aged due to simulated frontal impact] Mattern R, et al. **Hefte Unfallheilkd** (121):449–54, 1975 **(Ger)**

[Injuries due to a 3-point-automatic seat belt. Analysis of a motion-load-course and injury mechanisms from medical and technical view points] Appel W, et al. **Monatsschr Unfallheilkd** 78(10):460–8, Oct 75 (Eng. Abstr.) **(Ger)**

[The seat belt as cause of a severe isolated rupture of the kidney (author's transl)] Hartung R, et al. **Unfallheilkunde** 79(3):117–9, Mar 76 (Eng. Abstr.) **(Ger)**

SEAWATER

Antibiotic resistance among coliform and fecal coliform bacteria isolated from sewage, seawater, and marine shellfish. Cooke MD. **Antimicrob Agents Chemother** 9(6):879–84, Jun 76

Surface balance study of the interaction between microorganisms and lipid monolayer at the air/water interface. Kjelleberg S, et al. **Appl Environ Microbiol** 31(4):609–11, Apr 76

Factors controlling CO2 content in the oceans and atmosphere. Broecker WS. **Brookhaven Symp Biol** (30):32–50, Aug 73

Phase phenomena in the calcite--seawater system. Cooke RC. **Brookhaven Symp Biol** (30):191–203, Aug 73

Particulate and dissolved organic carbon in the oceans. Riley GA. **Brookhaven Symp Biol** (30):204–20, Aug 73

Carbon in estuaries. Woodwell GM, et al. **Brookhaven Symp Biol** (30):221–40, Aug 73

Histological and electron microscopical observations on the effects of different salinities and heavy metal ions, on the gills of Jaera nordmanni (Rathke) (Crustacea, Isopoda). Bubel A. **Cell Tissue Res** 167(1):65–95, 5 Mar 76

Ultrastructural changes in the caudal neurosecretory cells of the trout Salvelinus fontinalis in relation to external salinity. Chevalier G. **Gen Comp Endocrinol** 29(4):441–54, Aug 76

Pollution in the Brighton seawater chalk. pp. 259–62. Warren SC.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Mercury distribution in the Chesapeake Bay. pp. 251–2. Brinckman FE, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Biological and nonbiological transformations of mercury in aquatic systems. pp. 193–5. Iverson WP, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Sorption phenomenon in organics of bottom sediments (Reimers et al.). Discussion. pp. 131–6. Jenne EA.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Sorption phenomenon in the organics of bottom sediments. pp. 117–29. Reimers RS, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Investigations of heavy metals and other persistent chemicals, Westernport Bay, Australia. pp. 247–50. Shapiro MA, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

The secretion of hyperosmotic fluid by the rectum of a saline-water mosquito larva, Aedes taeniorhynchus. Bradley TJ, et al. **J Exp Biol** 63(2):331–42, Oct 75

Marine and estuarine pollution. Reish DJ.
J Water Pollut Control Fed 47(6):1617–35, Jun 75 (210 ref.)

Lethal effect of fresh sea water on Vibrio parahaemolyticus and isolation of Bdellovibrio parasitic against the organism. Miyamoto S, et al. **Jpn J Microbiol** 19(4):309–17, Aug 75

Part II: The photic environment of clear tropical seas during the day. McFarland WN, et al. **Vision Res** 15:1063–70, Oct 75

[Occurrence and distribution of drug resistant enterobacteria in extra enteral habitats (author's transl)] Larsen HE, et al. **Nord Vet Med** 28(3):129–40, Mar 76 (Eng. Abstr.) **(Dan)**

[On the taxonomy and physiology of bacteria utilizing hydrocarbons in the sea (author's transl)] Le Petit J, et al. **Ann Microbiol (Paris)** 126(3):367–80, Apr 75 (Eng. Abstr.) **(Fre)**

[Inactivation of enteroviruses in seawater] Denis F, et al. **C R Acad Sci [D] (Paris)** 281(5–8):471–4, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[E. coli titer and salmonella incidence in coastal waters] Havemeister G. **Schriftenr Ver Wasser Boden Lufthyg** (43):19–30, 1975 **(Ger)**

[International activities in 1974 for the characterization of water quality near seacoasts] Müller G.
Schriftenr Ver Wasser Boden Lufthyg (43):15–8, 1975 **(Ger)**

[Health hazards through bathing in coastal waters of the North Sea] Schaeffer CO.
Schriftenr Ver Wasser Boden Lufthyg (43):7–14, 1975 **(Ger)**

[Incidence of Salmonella in coastal waters of the Kiel Bay from the epidemiological viewpoint] Waldvogel B.
Schriftenr Ver Wasser Boden Lufthyg (43):39–43, 1975 **(Ger)**

[Microbiological characteristics of coastal waters in the district of Catania] Nicoletti G, et al. **Ann Sclavo** 17(3):283–98, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Bacterial pollution of the coastal water in the Province of Rome] Zucchetti P, et al. **Ann Sclavo** 17(4):543–63, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Antibacterial activity and presence of mercury in 12 species of marine algae] Porzi G, et al. **Boll Soc Ital Biol Sper** 51(22):1591–5, 30 Nov 75 **(Ita)**

[Survival of Salmonella typhi in urban water system and coastal sea water] Nishio T, et al.
J Jpn Assoc Infect Dis 49(11):426–34, Nov 74 (Eng. Abstr.) **(Jpn)**

[Sensitivity of halophilic vibrions isolated on the Black Sea coast to some antibiotics and chemotherapeutic preparations] Libinzon AE, et al. **Antibiotiki** 20(10):925–6, Oct 75 **(Rus)**

[Features and normative provisions of the new regulations on the sanitary protection of marine littoral waters] Sidorenko GI, et al. **Gig Sanit** (7):3–7, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of parasites on the system of adaptations to salinity in the mollusc, Hydrobia ulvae] Berger VIa.
Parazitologiia 10(4):333–7, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

[Use of desalinated seawater on ships at sea] Obrekht SD, et al. **Voen Med Zh** (6):55–6, Jun 75 **(Rus)**

[Effect of individual sea bathing on patients having undergone myocardial infarct] Mgeladze NV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult (2):107–13, Mar–Apr 75 **(Rus)**

[An accumulation medium for isolation of salmonellae and shigellae from sea water] Shiganova VL.
Zh Mikrobiol Epidemiol Immunobiol (5):146–7, May 76 **(Rus)**

[Physiological action of the marine subtropical climate on the skin] De Gyorko-Gyorkos, et al.
Actas Dermosifiliogr 67(5–6):395–402, May–Jun 76 (Eng. Abstr.) **(Spa)**

[The bactericidal effects of sea water] Guélin A.
Mikrobiyol Bul 10(2):255–60, Feb 76 **(Tur)**

ANALYSIS

Simplified Kjeldahl nitrogen determination for seawater by a semiautomated persulfate digestion method. Adamski JM.
Anal Chem 48(8):1194–7, Jul 76

Semi-quantitative determination of uranium, plutonium, and americium in sea water. Hodge VF, et al. **Anal Chem** 47(11):1866–8, Sep 75

A fluorescence method for studies of spent sulfite liquor and humic substances in sea water. Almgren T, et al.
Anal Chim Acta 78(2):411–22, Sep 75

Direct determination of mercury in sea-water by anodic stripping voltammetry with a graphite electrode. Fukai R, et al. **Anal Chim Acta** 83(1):375–9, May 76

Identification and potential biological effects of the major components in the seawater extract of a bunker fuel. Guard HE, et al. **Bull Environ Contam Toxicol** 14(4):395–401, Oct 75

Determination of 14C-DDT radioactivity in sea water and marine suspended matter by liquid scintillation. Picer N, et al. **Bull Environ Contam Toxicol** 14(5):565–70, Nov 75

Effects of suspended material on measurement of DDT in estuarine water. Wilson AJ.
Bull Environ Contam Toxicol 15(5):515–21, May 76

The hydrology of the coastal waters of Hong Kong. Morton B, et al. **Environ Res** 10(3):319–47, Dec 75

Recent studies of transport of PCB's to marine environments. pp. 230–5. Risebrough RW.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Marine inputs of polychlorinated biphenyls off southern California. pp. 199–208. Young DR, et al.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

The role of water-sediment interaction, in the Ostend Sluicedock with regard to the toxicity of pollutants to invertebrate larvae. pp. 221–34. Benijts F, et al.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (8 ref.)

Determination of blanks in low-level tritium measurement. Weiss W, et al. **Int J Appl Radiat Isot** 27(4):217–25, Apr 76

Chromatographic analysis of hydrocarbons in marine sediments and seawater. May WE, et al.
J Chromatogr Sci 13(11):535–40, Nov 75

[Interpretation of various chemical parameters in the pollution of coastal waters] Jentsch F.
Schriftenr Ver Wasser Boden Lufthyg (43):31–8, 1975 **(Ger)**

[Presence of salmonellae, E. coli and their homologous phages in the seawater] Reali D, et al. **Ann Sclavo** 17(6):842–58, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Methodological problems of investigating the pollution of marine littoral waters in their hygienic study] Novikov IuV, et al. **Gig Sanit** (9):79–86, Sep 75 (74 ref.) **(Rus)**

[Sanitary chemical evaluation of acetate cellulose membranes used for the desalinization of seawater] Shafirov IuB, et al. **Gig Sanit** (7):110–1, Jul 75 **(Rus)**

[Hygienic research methods in developing local schemes for protecting marine basin water resources] Tsaturova GA.
Gig Sanit (1):54–6, Jan 76 **(Rus)**

[Fishing seawater microbiology of the Mar de Plata] Halbinger RE, et al. **Rev Asoc Argent Microbiol** 7(2):44–8, May–Aug 75 (Eng. Abstr.) **(Spa)**

SEAWEED

see related

CARRAGEENAN

Ultrasound localization of laminaria. Lee TG, et al.
Am J Obstet Gynecol 126(2):293–5, 15Sep 76

Health food supplements prepared from kelp—a source of elevated urinary arsenic. Walkiw O, et al. **Clin Toxicol** 8(3):325–31, 1975

Induction of midtrimester abortion with intraamniotic urea, intravenous oxytocin and laminaria. Golditch IM, et al. **J Reprod Med** 15(6):225–8, Dec 75

Laminaria in abortion. Use in 1368 patients in first trimester. Hern WM. **Rocky Mt Med J** 72(9):390–5, Sep 75

ANALYSIS

Evidence for the occurrence of specific iron (III)-binding compounds in near-shore marine ecosystems. Estep M, et al. **Appl Microbiol** 30(2):186–8, Aug 75

A new method fot the analysis of laminarins and for preparative-scale fractionation of their components. Stark JR. **Carbohydr Res** 47(1):176–8, Mar 76

GROWTH & DEVELOPMENT

The effect of chloramphenicol and cycloheximide on meiotic zoosporogenesis and mitotic gametogenesis in Ulva mutabilis. Hoxmark RC. **Can J Genet Cytol** 17(4):553–61, Dec 75

PHYSIOLOGY

The ionic components of the current pulses generated by developing fucoid eggs. Nuccitelli R, et al. **Dev Biol** 49(2):518–31, Apr 76

SEBACEOUS CYST

COMPLICATIONS

Natal teeth and steatocystoma multiplex complicated by hidradenitis suppurativa. A new syndrome. McDonald RM, et al. **Arch Dermatol** 112(8):1132–4, Aug 76

Tumor on shoulder arising after excision of a cyst. Kopf AW, et al. **J Dermatol Surg** 2(3):196–8, Jun 76

DIAGNOSIS

Steatocystoma multiplex. Cole LA. **Arch Dermatol** 112(10):1437–9, Oct 76

FAMILIAL & GENETIC

Leukonychia totalis, multiple sebaceous cysts and renal calculi: a syndrome. Gorlin RJ, et al. **Birth Defects** 11(5):19–21, 1975

The Gardner syndrome: increased tetraploidy in cultured skin fibroblast. Danes BS. **J Med Genet** 13(1):52–6, Feb 76

PATHOLOGY

The natural history of trichilemmal cysts. Leppard BJ, et al. **Br J Dermatol** 94(4):379–90, Apr 76

[Cutaneous cysts and carcinomas] Mariethoz C.
Rev Med Suisse Romande 95(11):859–68, Nov 75 **(Fre)**

SURGERY

Sebaceous cyst extraction through mini-incisions. Moore C, et al. **Br J Plast Surg** 28(4):307–9, Oct 75

Surgery of sebaceous cysts. Albom MJ. **J Dermatol Surg** 1(3):73–4, Oct 75

SEBACEOUS GLAND NEOPLASMS

CHEMICALLY INDUCED

Tumors of the pilosebaceous unit induced in the rat by the intravenous administration of 7,12-dimethylbenz(A)anthracene. Bennington JL, et al.
J Invest Dermatol 66(3):183–7, Mar 76

Specific carcinogenic effect of N-methyl-N-nitrosourea on the midventral sebaceous gland of the gerbil (Meriones unguiculatus). Haas H, et al. **J Natl Cancer Inst** 55(3):637–40, Sep 75

COMPLICATIONS

Letter: A possible relationship of nevus sebaceous of Jadassohn (organoid nevus) to childhood malignancies. Lanzkowsky P, et al. **J Pediatr** 88(2):359–60, Feb 76

DIAGNOSIS

[The linear sebaceous nevus syndrome. Feuerstein-Mims' syndrome] Dyggve H, et al. **Ugeskr Laeger** 137(45):2637, 3 Nov 75 **(Dan)**

ETIOLOGY

Sebaceous gland carcinoma of the eyelid. Schlernitzauer DA, et al. **Arch Ophthalmol** 94(9):1523–5, Sep 76

METABOLISM

The age-related occurrence of wax esters in the mouse preputial gland tumour. Grigor MR.
Biochim Biophys Acta 431(1):157–64, 22 Apr 76

MICROBIOLOGY

[Transplantable sebaceous adenoma of the mouse with virus particles studied by electron microscopy (author's transl)] Rühland D, et al. **Z Krebsforsch** 85(1):51–62, 2 Jan 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Sebaceous lymphadenoma of the parotid gland. Baratz M, et al. **Arch Pathol Lab Med** 100(5):269–70, May 76

Sebaceous carcinoma. Salm R, et al. **Beitr Pathol** 155(3):221–36, Jul 75

SURGERY

Repair of forehead defects by rotation of local flaps. Worthen EF. **Plast Reconstr Surg** 57(2):204–6, Feb 76

VETERINARY

Sebaceous gland carcinoma in dogs. Strafuss AC.
J Am Vet Med Assoc 169(3):325–6, 1 Aug 76

Cosmetic removal of a sebaceous adenocarcinoma of the eyelid. Buyukmihci N, et al. **Vet Med Small Anim Clin** 70(9):1091–3, Sep 75

SEBACEOUS GLANDS

Sebaceous glands in the esophagus. First case observed grossly. Zak FG, et al. **Arch Dermatol** 112(8):1153–4, Aug 76

The sebaceous glands: twenty-five years of progress. Strauss JS, et al. **J Invest Dermatol** 67(1):90–7, Jul 76 (87 ref.)

Phenotypic heterogeneity among the pilosebaceous dysplasias. Solomon LM. **Mod Probl Paediatr** 17:11–4, 1975

ABNORMALITIES

Occurrence of oral sebaceous glands in 43,654 industrial workers of Gujarat, India. Mani NJ, et al. **Community Dent Oral Epidemiol** 4(4):165–8, Jul 76

ANALYSIS

The lipid composition of sebaceous glands as a reflection of gland size. Summerly R, et al. **Br J Dermatol** 94(1):45–53, Jan 76

Presence of sex pheromone in preputial glands of male rats. Gawienowski AM, et al. **J Endocrinol** 67(2):283–8, Nov 75

ANATOMY & HISTOLOGY

The perineal gland of brown lemmings, Lemmus trimucronatus. Stewart RE, et al. **Can J Zool** 54(6):1013–8, Jun 76

CYTOLOGY

Melanogenic melanocytes in human sebaceous glands. Ito K, et al. **Experientia** 32(4):511–2, 15 Apr 76

[In vitro changes by actinomycin D during first stages of uropygeal gland differentiation] Bride J. **Arch Biol (Liege)** 86(3):275–98, 1975 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Sebaceous gland inhibition from combined glucocorticoid–estrogen treatment. Pochi PE, et al. **Arch Dermatol** 112(8):1108–9, Aug 76

Proceedings: The sebaceous gland response to alpha-melanocyte-stimulating hormone and testosterone. Thody AJ, et al. **J Endocrinol** 67(2):18P–19P, Nov 75

[The effect of hydrocortisone on DNA synthesis by sebaceous gland epithelial cells] Kinzhibulatova RZh. **Biull Eksp Biol Med** 81(1):72–3, Jan 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

One-step purification and properties of a two-peptide fatty acid synthetase from the uropygial gland of the goose. Buckner JS, et al. **Biochemistry** 15(9):1948–57, 4 May 76

Transition of properties in the silk gland trehalase during metamorphosis of the silkworm, Bombyx mori. Shimada S. **Comp Biochem Physiol [B]** 54(1):47–50, 1976

Catalase-positive particles ('microperoxisomes') from rat preputial gland and bovine adrenal cortex. Goldenberg H, et al. **Exp Cell Res** 93(2):438–42, Jul 75

Suppression of sebaceous gland non-specific esterase activity be electrophilic alpha beta-unsaturated compounds. Chasseaud LF, et al. **Experientia** 31(10):1196–7, 15 Oct 75

METABOLISM

Biosynthesis of alkane-2, 3-diols: chemical synthesis of 3-hydroxy-[3-14C]octadecane-2-one and its reduction to [3-14C]octadecane-2, 3-diol in the uropygial glands of ring-necked pheasants (Phasianus colchicus). Riley RG, et al. **Arch Biochem Biophys** 171(1):276–81, Nov 75

Sebaceous lipogenesis in human skin. Variability with age and with severity of acne. Cooper MF, et al. **Br J Dermatol** 94(2):165–72, Feb 76

Enzymatic synthesis and interconversion of UDP-D-glucose and UDP-D-galactose in the albumen gland of the snail, Helix pomatia. Department of Biological Sciences, Oakland University, Rochester, MI 48063.. **Comp Biochem Physiol [B]** 54(1):135–9, 1976

Wax esters secreted by the uropygial glands of some Anseriformes. Edkins E, et al. **Comp Biochem Physiol [B]** 53(1):93–5, 1976

Wax ester synthesis in the uropygial glands of the chicken and turkey. Tang BY, et al. **Comp Biochem Physiol [B]** 53(4):451–3, 1976

Synthesis of 2,3-diols in chicken uropygial glands. Tang BY, et al. **Comp Biochem Physiol [B]** 54(4):483–8, 1976

Impaired 3H-testosterone uptake and metabolism in the accessory sex glands of diabetic castrated male rats. Oksanen A, et al. **Horm Res** 6(3):157–68, 1975

Active potassium transport coupled to active sodium transport in vesicles reconstituted from purified sodium and potassium ion-activated adenosine triphosphatase from the rectal gland of Squalus acanthias. Hilden S, et al. **J Biol Chem** 250(16):6296–303, 25 Aug 75

Histochemistry of lipids and glycides in the epidermis, corium, hair follicle and accessory glands of the pig. Hradil I, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 17(5):407–59, 1974

The in vitro synthesis and secretion of alpha-ecdysone by the ring glands of the fly, Sarcophaga bullata. Bollenbacher WE, et al. **Steroids** 27(3):309–24, Mar 76

Skin components: 14C acetate incorporation in vitro. With particular reference to lipid synthesis in the isolated (dissected) human sebaceous gland. Summerly R. **Trans St Johns Hosp Dermatol Soc** 60(1):1–23, 1974 (82 ref.)

PATHOLOGY

[Adenosis sebacea eruptiva perstans following a 26-year-long course] Kubicz J. **Przegl Dermatol** 62(6):793–6, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Pilo-sebaceous duct physiology. 2. The effect of keratin hydration on sebum excretion rate. Cunliffe WJ, et al. **Br J Dermatol** 94(4):431–4, Apr 76

Influence of the interrenal gland on the rectal gland of a skate. Holt WF, et al. **Comp Biochem Physiol [C]** 50(1):111–9, 1 Jan 75

Biological purpose of acne. Shuster S. **Lancet** 1(7973):1328–9, 19 Jun 76

[Indices of mitotic cell division in sebaceous glands] Kinzhibulatova RZh. **Tsitologiia** 17(8):930–5, Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pilo-sebaceous duct physiology. III. Observations on the number and size of pilo-sebaceous ducts in acne vulgaris. Cunliffe WJ, et al. **Br J Dermatol** 95(2):153–6, Aug 76

SECRETION

The mode of secretion of the sebaceous glands of cattle. Smith ME, et al. **Br Vet J** 131(5):610–8, Sep–Oct 75

Waxes containing secondary alcohols from the uropygial gland secretion of Nycticorax (night heron). Jacob J. **Hoppe Seylers Z Physiol Chem** 356(11):1823–5, Nov 75

Acne and the sebaceous glands. Cunliffe WJ, et al. **Int J Dermatol** 15(5):337–43, Jun 76

Effects of early exposure to ventral gland odor on physical and behavioral development and adult social behavior in Mongolian gerbils. Blum SL, et al. **J Comp Physiol Psychol** 89(10):1210–9, Dec 75

ULTRASTRUCTURE

Effect of testosterone propionate on the ultrastructure of the preputial gland in the rat. Nickerson PA, et al. **Acta Anat (Basel)** 94(4):481–9, 1976

Ultrastructural features of gastric mucosa and sebaceous glands after ingestion of Aroclor 1242 by rhesus monkeys. pp. 350–8. Bell M. **In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.**

The human external auditory canal, secretory system—an ultrastructural study. Main T, et al. **Laryngoscope** 86(8):1164–76, Aug 76

[Sebaceous filaments (author's transl)] Plewig G, et al. **Arch Dermatol Res** 255(1):9–21, 10 Mar 76 (Eng. Abstr.) **(Ger)**

SEBORRHEA

[Letter: Definition of a sebostatic and seborrheic patient] Braun-Falco O. **Hautarzt** 26(10):557, Oct 75 **(Ger)**

[Editorial: From seborrheica alopecia to (S.A.) to male pattern alopecia (M.P.A.)] Noguer-More S. **Actas Dermosifiliogr** 67(1-2):1–4, Jan–Feb 76 **(Spa)**

COMPLICATIONS

Seborrhoeic keratoses and carcinoma of the large bowel. Three cases exhibiting the sign of Lester-trélat. Liddell K, et al. **Br J Dermatol** 92(4):449–52, Apr 75

[A contribution to the classification of seborrheic keratoses (author's transl)] Hundeiker M, et al. **Arch Dermatol Res** 254(1):49–54, 14 Nov 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Letter: Unusual manifestation of seborrhoeic dermatitis? Houghton-Allen BW. **Med J Aust** 1(12):414, 20 Mar 76

[Atypical variants of seborrheic eczema] Shakhnes IE, et al. **Vestn Dermatol Venerol** (12):20–3, Dec 75 **(Rus)**

DRUG THERAPY

[Cyproterone acetate – ethinylestradiol treatment of hirsutism, acne, seborrhea and alopecia] Nardi M, et al. **Acta Eur Fertil** 6(2):153–65, Jun 75 **(Eng, Ita)**

Generalized seborrhoeic dermatitis. Clinical and therapeutic data of 25 patients. Messaritakis J, et al. **Arch Dis Child** 50(11):871–4, Nov 75

Oral use of biotin in seborrhoeic dermatitis of infancy: a controlled trial. Keipert JA. **Med J Aust** 1(16):584–5, 17 Apr 76

[Clinical trial with benzoyl peroxide shampoo in seborrhea oleosa] Schmid U. **Z Hautkr** 51(14):580–2, 15 Jul 76 (Eng. Abstr.) **(Ger)**

[Rosacea and seborrhea] Bandmann H. **ZFA** 52(7):379, 10 Mar 76 **(Ger)**

[Treatment of seborrhea with sodium selenite] pp. 136–7. Guseĭnov MM, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Enzymes of carbohydrate metabolism in human epidermal tumors 4. Enzymes of the pentose phosphate pathway. De Bersaques J. **J Cutan Pathol** 2(5):246–53, 1975

ETIOLOGY

Role of microorganisms in dandruff. Leyden JJ, et al. **Arch Dermatol** 112(3):333–8, Mar 76

IMMUNOLOGY

[Lymphocyte transformation test in infants with candidiasis of the skin under the clinical picture of dermatitis seborrhoides infantum] Seebacher C, et al. **Dermatol Monatsschr** 161(2):117–24, Feb 75 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

The microbiology of dandruff. Priestley GC, et al. **Br J Dermatol** 94(4):469–71, Apr 76

PATHOLOGY

Acquired pigmentation of skin folds with the histological picture of seborrhoeic wart. Kaminsky CA, et al. **Br J Dermatol** 93(6):713–6, Dec 75

Ultrastructural comparison of the interface between epithelium and stroma in basal cell carcinoma and control human skin. McNutt NS. **Lab Invest** 35(2):132–42, Aug 76

[Ultrastructure of the epidermis in seborrhoic dermatitis (author's transl)] Metz J, et al. **Arch Dermatol Forsch** 252(4):285–96, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Histological studies of the scalp at the hair parting and crown in seborrheic alopecia] Salamon T, et al. **Hautarzt** 26(6):304–8, Jun 75 **(Ger)**

PHYSIOPATHOLOGY

[Characteristics of functional state of the adrenal cortex in true and seborrheic eczema in children] Dombrovskaia MP, et al. **Pediatriia** (10):26–9, Oct 75 **(Rus)**

SEBUM

Comedo formation in acne. Eberhardt H. **Arch Dermatol Res** 254(3):257–62, 31 Dec 75

ANALYSIS

Analysis of fatty acid and alcoholic components of sebaceous lipid types. O'Neill HJ, et al. **J Chromatogr Sci** 14(1):28–36, Jan 76

Dihydroactinidiolide in the supracaudal scent gland secretion of the red fox. Albone ES. **Nature** 256(5518):575, 14 Aug 75

SECRETION

Sebaceous gland inhibition from combined glucocorticoid–estrogen treatment. Pochi PE, et al. **Arch Dermatol** 112(8):1108–9, Aug 76

The sebum excretion rate in rosacea. Burton JL, et al. **Br J Dermatol** 92(5):541–3, May 75

Sebum excretion rate investigations. A new absorbent paper. Cunliffe WJ, et al. **Br J Dermatol** 93(3):347, Sep 75

Pilo-sebaceous duct physiology. 2. The effect of keratin hydration on sebum excretion rate. Cunliffe WJ, et al. **Br J Dermatol** 94(4):431–4, Apr 76

Thyroid disease and sebaceous function. Goolamali SK, et al. **Br Med J** 1(6007):432–3, 21 Feb 76

Decreased sebum excretion in chronic renal failure. Shuster S, et al. **Br Med J** 1(6000):23–4, 3 Jan 76

The effect of environment on sebum output and composition in cattle. Smith ME, et al. **Res Vet Sci** 19(3):253–8, Nov 75

[Letter: Definition of a sebostatic and seborrheic patient] Braun-Falco O. **Hautarzt** 26(10):557, Oct 75 **(Ger)**

SECLAZONE see under **OXAZINES**

SECOBARBITAL

Cerebral microvascular injury in experimental drug abuse. Rumbaugh CL, et al. **Invest Radiol** 11(4):382–94, Jul–Aug 76

ADVERSE EFFECTS

Intra-arterial injection of barbiturate. Nathan P. **Hand** 7(2):175–8, Jun 75

METABOLISM

Pharmacokinetics of secobarbital in rabbit. Somani SM, et al. **Arch Int Pharmacodyn Ther** 215(2):301–17, Jun 75

PHARMACODYNAMICS

Alcohol and secobarbital: effects on information processing. Tharp VK Jr, et al. **Adv Exp Med Biol** 59:537–52, 1975

The negative inotropic effect of secobarbital on the heart of reserpinised newborn and adult guinea pigs. Effendi H, et al. **Arch Int Pharmacodyn Ther** 215(2):276–82, Jun 75

Toxic nephropathy after low-dose methoxyflurane anesthesia: drug interaction with secobarbital? Churchill D, et al. **Can Med Assoc J** 114(4):326–8, 333, 21 Feb 76

Effects of marihuana combined with secobarbital. Dalton

WS, et al. **Clin Pharmacol Ther** 18(3):298–304, Sep 75

Proceedings: A quantitative investigation into the effects of carbamazepine, diazepan and quinalbarbitone on the EEG and visual evoked potential in man. Holder GE, et al. **Electroencephalogr Clin Neurophysiol** 39(4):430, Oct 75

Behavioral procedures for evaluating the relative abuse potential of CNS drugs in primates. Brady JV, et al. **Fed Proc** 35(11):2245–53, Sep 76

Effects of set, setting, and sedatives, on reaction time. Levine HD, et al. **Percept Mot Skills** 42(2):403–12, Apr 76

Comparison of progressive-ratio performance maintained by cocaine, methylphenidate and secobarbital. Griffiths RR, et al. **Psychopharmacologia** 43(1):81–3, 23 Jul 75

Smooth-pursuit eye movements, and diazepam, CPZ, and secobarbital. Holzman PS, et al. **Psychopharmacologia** 44(2):112–115, 31 Oct 75

Influence of secobarbital and chlorpromazine on precentral neuron activity during attentive behavior in monkeys. Otero JB, et al. **Psychopharmacologia** 46(1):1–9, 1976

Effects of secobarbital on the late components of the auditory evoked potentials. Hosick EC, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(3–4):185–91, Mar–Apr 75

Effects of secobarbital on the early components of the auditory evoked potentials. Mendel MI, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(3–4):178–84, Mar–Apr 75

[Internal and external stress and tybamate and secobarbital: an experimental investigation of their interactions (author's transl)] Lehmann E. **Arzneim Forsch** 26(6):1132–3, 1976 (Eng. Abstr.) **(Ger)**

URINE

Letter: 'Red' candies and urine barbiturate determinations. Heiman MF. **JAMA** 235(3):251, 19 Jan 76

SECONAL see **SECOBARBITAL**

SECOSTEROIDS

BIOSYNTHESIS

[Breakdown of steroids. XV. Formation of 9,10-seco-compounds from 4-chlorosubstituted steroids in Nocardia opaca] Hörhold C, et al. **J Steroid Biochem** 7(3):199–202, Mar 76 (Eng. Abstr.) **(Ger)**

[Production of the methyl ether of 8,14-seco-delta,3,5,(10),9(11)-estratetraendiol-3,17beta-on using a culture of Saccharomyces cerevisiae BKMU-488] Gulaia VE, et al. **Prikl Biokhim Mikrobiol** 11(5):657–61, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Letter: Conjugated allenic 3-oxo-5,10-secosteroids. Irreversible inhibitors of delta 5-3-ketosteroid isomerase. Covey DF, et al. **J Am Chem Soc** 98(16):5038–40, 4 Aug 76

Studies in antifertility agents. 8. Seco steroids. 2. 5,6-Secoestradiol and some related compounds. Bindra JS, et al. **J Med Chem** 18(9):921–5, Sep 75

Synthesis of beta,gamma-acetylenic 3-oxo steroids of the 5,10-seco series. Batzold FH, et al. **J Org Chem** 41(2):313–7, 23 Jan 76

ISOLATION & PURIFICATION

Steroidal constituents of Physalis minima (solanaceae). Glotter E, et al. **J Chem Soc [Perkin I]** (14):1370–4, 1975

Withaphysalin C, a naturally occurring 13,14-seco-steroid. Kirson I, et al. **J Chem Soc [Perkin I]** (11):1244–7, 1976

SECRETIN

Preparation of 125I-labeled secretin of high specific radioactivity. Tai HH, et al. **Anal Biochem** 69(1):34–42, Nov 75

Gastrointestinal hormones. pp. 106–17. Grossman MI. **In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976.** (36 ref.)

Interaction of porcine vasoactive intestinal peptide with dispersed pancreatic acinar cells from the guinea pig. Structural requirements for effects of vasoactive intestinal peptide and secretin on cellular adenosine 3':5'-monophosphate. Robberecht P, et al. **J Biol Chem** 251(15):4635–9, 10 Aug 76

Effect of growth hormone-release inhibiting hormone on hormones stimulating exocrine pancreatic secretion. Konturek SJ, et al. **J Clin Invest** 58(1):1–6, Jul 76

Secretin, cholecystokinin and newer gastrointestinal hormones (first of two parts). Rayford PL, et al. **N Engl J Med** 294(20):1093–1101, 13 May 76 (152 ref.)

[Secretin] Ishii K. **Jpn J Clin Med** 34(4):763–69, 1976 (119 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Interelationship between exocrine and endocrine functions of the pancreas – with special reference to rapid, repeated intravenous injections (in increasing dosages) of natural secretin for the study of the reserve capacity of the pancreas] Abe M, et al. **Clin Endocrinol (Tokyo)** 23(10):1057–61, Oct 75 **(Jpn)**

ADVERSE EFFECTS

Hormone-induced diarrhea in man. Pointner H, et al. **Acta Hepatogastroenterol (Stuttg)** 22(3):190–2, Jun 75

Studies on the calcemic effect of intravenous secretin in humans. Schwille PO, et al. **Acta Hepatogastroenterol (Stuttg)** 22(3):192–200, Jun 75

ANALOGS & DERIVATIVES

Radioimmunoassay for secretin using Nalpha-tyrosylsecretin and [Tyr1]-secretin. Yanaihara N, et al. **Endocrinol Jpn** 23(1):87–90, Feb 76

ANALYSIS

Proceedings: Comparison of endoscopic pancreatography and exocrine function in pancreatitis. Salmon PR, et al. **Ann R Coll Surg Engl** 58(4):325, Jul 76

Radioimmunoassay for secretin using Nalpha-tyrosylsecretin and [Tyr1]-secretin. Yanaihara N, et al. **Endocrinol Jpn** 23(1):87–90, Feb 76

Immunofluorescent localization of secretin in pancreatic monolayer culture. Rufener C, et al. **Histochemistry** 47(2):171–3, 28 May 76

Secretin radioimmunoassay using 125I-6-tyrosyl-secretin (6TS). Raptis S, et al. **Horm Metab Res** 7(5):447, Sep 75

Immunochemical studies of the endocrine cells of the gastrointestinal tract. II An immunoperoxide technique for the localization of secretin containing cells in human duodenum. Robinson G, et al. **J Clin Pathol** 28(8):631–5, Aug 75

Proceedings: Localization of gastrin, secretin and cholecystokinin. Polak JM. **J Endocrinol** 70(1):2P–3P, Jul 76

A sensitive method for the biological assay of secretin and substances with 'secretin-like' activity in tissues and biological fluids. Scratcherd T, et al. **Scand J Gastroenterol** 10(8):821–8, 1975

ANTAGONISTS & INHIBITORS

Inhibitory action of antidiuretic hormone on canine pancreatic exocrine flow. Schapiro H. **Am J Dig Dis** 20(9):853–7, Sep 75

BLOOD

Plasma secretin and gastrin responses to a meat meal and duodenal acidification in dogs. Lee KY, et al. **Am J Physiol** 230(3):784–9, Mar 76

Simultaneous radioimmunoassay of Secretin and gastrin. Tai JHH, et al. **Anal Biochem** 74(1):12–24, Jul 76

Serum gastrin and secretin levels after the Exalto-Mann-Williamson procedure. Tasse DP, et al. **Arch Surg** 110(12):1482–4, Dec 75

Secretin and insulin: response to intraduodenal acid. O'Connor FA, et al. **Diabetologia** 12(2):145–8, May 76

Triglyceride metabolism in acute starvation: the role of secretin and glucagon. Stout RW, et al. **Eur J Clin Invest** 6(2):179–85, 31 Mar 76

The mechanism of hypergastrinemia in achlorhydria. Effect of food, acid, and calcitonin on serum gastrin concentrations and component pattern in pernicious anemia, with correlation to endogenous secretin concentrations in plasma. Fahrenkrug J, et al. **Gastroenterology** 71(1):33–7, Jul 76

Plasma insulin concentration during physiological variations in immunoreactive plasma secretin. de Muckadell OB, et al. **Horm Metab Res** 8(4):253–6, Jul 76

Proceedings: Secretin radioimmunoassay in the pig. Bloom SR, et al. **J Endocrinol** 67(2):67P, Nov 75

Plasma levels of secretin in man and dogs: validation of a secretin radioimmunoassay. Rayford PL, et al. **Surgery** 79(6):658–65, Jun 76

[Clinical studies of gastrointestinal hormones and pancreatic function] Ohara H. **Clin Endocrinol (Tokyo)** 24(2):113–20, 1976 **(Jpn)**

[Radioimmunoassay of secretin (2)] Omata S, et al. **Clin Endocrinol (Tokyo)** 23(8):845–8, Aug 75 **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis of the gastrointestinal peptide hormone secretin by the repetitive excess mixed anhydride (REMA) method. van Zon A, et al. **Helv Chim Acta** 59(4):1112–6, 1976

Secretin. VI. Simultaneous 'in situ' syntheses of three analogues of the C-terminal tricosapeptide and a study of their conformation. Fink ML, et al. **J Am Chem Soc** 98(4):974–7, 18 Feb 76

DIAGNOSTIC USE

Secretin-induced insulin response. II. Dose-response relation. Enk B. **Acta Endocrinol (Kbh)** 82(2):312–7, Jun 76

Secretin-induced insulin response. I. Cubital insulin concentration in normal, obese and pancreatectomized patients, including portal insulin concentration in normals after secretin. Enk B, et al. **Acta Endocrinol (Kbh)** 82(2):306–11, Jun 76

Standard and augmented secretin testing in chronic pancreatic alcoholic disease. Bordalo O, et al. **Am J Gastroenterol** 64(2):125–32, Aug 75

Hypergastrinaemia in a peptic ulcer patient with antral gastrin cell hyperplasia. Russel RC, et al. **Br Med J** 4(5994):441, 22 Nov 75

Investigation of exocrine pancreatic function by continuous infusion of caerulein and secretin in normal subjects and in chronic pancreatitis. Gullo L, et al. **Digestion** 14(2):97–107, 1976

Use of caerulein with submaximal doses of secretin as a test of pancreatic function in man. Ribet A, et al. **Gut** 17(6):431–4, Jun 76

Proceedings: Endoscopic pancreatography, scintigraphy and exocrine function in pancreatitis: a comparative study. Salmon PR, et al. **Gut** 16(10):830–1, Oct 75

Inhibition of gastric secretion by exogenous secretin and cholecystokinin in normals and duodenal ulcer patients. Jörgensen SP, et al. **Scand J Gastroenterol [Suppl]** 11(37):39–42, 1976

Gastrin response to calcium and secretin infusion in patients with achlorhydria. Turnipspeed WD, et al. **Surg Forum** 26:355–7, 1975

[Proceedings: Differential diagnostic possibilities of the pancreozymin-secretin test in cholestasis] Brailski Kh, et al. **Vutr Boles** 15(1):68–71, 1976 **(Bul)**

[Exaggerated pancreatic response to the secretin test (author's transl)] Wettendorff P, et al. **Acta Gastroenterol Belg** 37(12):520–8, Dec 74 (Eng. Abstr.) **(Fre)**

[Pancreatic scintigraphy and secretin-pancreozymin test in the functional exploration of the exocrine pancreas] Tori G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:521–3, 1975 **(Fre)**

[Standard and Augmented Secretin Tests in Chronic Pancreatitis] Bordalo O, et al. **Munch Med Wochenschr** 118(13):415–20, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Secretin and calcium tests in patients with peptic duodenal ulcer and hyperchlorhydria (author's transl)] Grzelec T, et al. **Przegl Lek** 32(12):907–12, 1975 (Eng. Abstr.) **(Pol)**

[Methods and evaluation of the results of tests with secretin and pancreozymin in clinical analysis of the condition of the exocrine portion of the pancreas] Geller LI, et al. **Lab Delo** (4):214–8, 1975 **(Rus)**

[Examination of the exocrine function of pancreas after stimulation with secretin and CCK] Dotevall G, et al. **Lakartidningen** 73(33):2684–5, 11 Aug 76 **(Swe)**

IMMUNOLOGY

Production and evaluation of antibodies for radioimmunoassay of secretin. Fahrenkrug J, et al. **Scand J Clin Lab Invest** 36(3):281–7, May 76

ISOLATION & PURIFICATION

[Secretin—with special reference to its extraction, purification and bioassay methods] Tachibana M. **Clin Endocrinol (Tokyo)** 23(11):1159–64, Nov 75 **(Jpn)**

METABOLISM

Effects of somatostatin on pancreatic exocrine function. Interaction with secretin. Deschodt-Lanckman M, et al. **Arch Int Physiol Biochim** 83(5):960–1, Dec 75

The interaction of secretin with pancreatic membranes. Milutinović S, et al. **Biochim Biophys Acta** 436(1):113–27, 4 Jun 76

Proceedings: Secretin pharmacokinetics and plasma levels for half maximum bicarbonate response in man. Haecki WH, et al. **Gut** 17(5):393, May 76

Interactions of glucagon, gut glucagon, vasoactive intestinal polypeptide and secretin with their membrane receptors. pp. 161–6. Bataille D, et al. **In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.**

Particulate and solubilized hepatic receptors for glucagon, insulin, secretin and vasoactive intestinal polypeptide. pp. 201–2. Blecher M. **In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Interactions of glucagon, gut glucagon, vasoactive intestinal polypeptide and secretin with their membrane receptors. Bataille D, et al. **Isr J Med Sci** 11(7):687–92, Jul 75

Radioimmunoassay measurement of disappearance half-time of secretin. Rayford PL, et al. **Surg Forum** 26:385–6, 1975

Catabolism of secretin by the liver and kidney. Curtis PJ, et al. **Surgery** 80(2):259–65, AUG 76

PHARMACODYNAMICS

Secretin and epinephrine combined in celiac angiography. Udén R. **Acta Radiol [Diagn] (Stockh)** 1F(1):17–40, Jan 76

Similar sensitivities of pancreatic and biliary secretion to cholecystokinin plus secretin infusion. Macgregor IL, et al. **Am J Dig Dis** 21(8):641–4, Aug 76

Interaction between octapeptide-cholecystokinin, gastrin, and secretin on cat gallbladder in vitro. Chowdhury JR, et al. **Am J Physiol** 229(5):1311–5, Nov 75

Effect of secretin and cholecystokinin on small intestinal blood flow distribution. Fara JW, et al. **Am J Physiol** 229(5):1365–70, Nov 75

Effect of glucagon on secretin-stimulated bile flow. Kaminski DL, et al. **Am J Physiol** 229(6):1480–5, Dec 75

Effect of secretin on electrical activity of small intestine. Mukhopadhyay AK, et al. **Am J Physiol** 229(2):484–8, Aug 75

Interaction of gastrin I, secretin, and cholecystokinin on gallbladder smooth muscle. Ryan J, et al. **Am J Physiol** 230(3):553–6, Mar 76

Gallbladder pressure-volume response to gastrointestinal hormones. Ryan J, et al. **Am J Physiol** 230(6):1461–5, Jun 76

Human gastrin response to secretin after vagotomy. McLaughlin M, et al. **Am J Surg** 131(1):69–72, Jan 76

The effect of secretin on pentagastrin-stimulated secretion of gastric pepsin and acid in rats. Kowalewski K. **Arch Int Physiol Biochim** 83(2):255–9, May 75

Effects of bombesin and litorin on the rat exocrine pancreas: comparison with caerulein, carbamoylcholine and secretin. Robberecht P, et al. **Arch Int Physiol Biochim** 83(5):993–4, Dec 75

Serum calcium responses to exogenous secretin. Bradley EL 3d, et al. **Arch Surg** 110(10):1221–3, Oct 75

Effects of somatostatin on pancreatic exocrine function. Interaction with secretin. Robberecht P, et al. **Biochem Biophys Res Commun** 67(1):315–23, 3 Nov 75

Hormonal regulation of pancreatic islet adenyl cyclase. Thompson WJ, et al. **Biochemistry** 15(8):1658–63, 20 Apr 76

Proceedings: The effects of intravenous secretin on the small intestinal vasculature of the cat. Richardson PD. **Br J Pharmacol** 56(3):358P–359P, Mar 76

Proceedings: Pure pancreatic juice response to low dose secretin in man. Cotton PB, et al. **Br J Surg** 63(2):155, Feb 76

Proceedings: Effect of GIH secretin on secretagogue-induced duodenal ulcers. Joffe SN. **Br J Surg** 63(2):152, Feb 76

Effects of secretin on insulin secretion and glucose tolerance. Dupré J, et al. **Can J Physiol Pharmacol** 53(6):1115–21, Dec 75

Further evidence that protein synthesis can be decreased in vivo following hormonal stimulation in the rat pancreas. Mongeau R, et al. **Can J Physiol Pharmacol** 54(03):305–13, Jun 76

Effect of secretin on intestinal monosaccharide absorption and new water movement in the rat. Böhmer R, et al. **Digestion** 13(6):325–33, 1975

Interactions between vagus nerve stimulation and pentagastrin or secretin on the guinea pig gallbladder. Davison JS, et al. **Digestion** 13(4):251–4, 1975

Effects of secretin and cholecystokinin on motor activity of human jejunum. A radiotelemetering study of jejunal motility during secretin and cholecystokinin intravenous infusion. Dollinger HC, et al. **Digestion** 12(1):9–16, 1975

Effect of secretin, glucagon and VIP on gallbladder contraction. Vagne M, et al. **Digestion** 14(1):62–7, 1976

Interaction of secretin and insulin on human forearm metabolism. Chisholm DJ, et al. **Eur J Clin Invest** 5(6):487–94, 21 Nov 75

Secretin-induced bile secretion, bile acid output and blood supply to the liver in the dog. Brunner H, et al. **Eur Surg Res** 7(4–5):205–11, 1975

Gastric operations and glucose homeostasis. II. glucagon and secretin. Breuer RI, et al. **Gastroenterology** 69(3):598–606, Sep 75

Effect of secretin on gastric function in normal subjects and in patients with duodenal ulcer. Dalton MD, et al. **Gastroenterology** 71(1):24–9, Jul 76

Bicarbonate and cyclic AMP content of pure human pancreatic juice in response to graded doses of synthetic secretin. Domschke S, et al. **Gastroenterology** 70(4):533–6, Apr 76

Simultaneous measurement of the pancreatic and biliary response to CCK and secretin. Primate biliary physiology. XIII. Gardner BN, et al. **Gastroenterology** 70(3):403–7, Mar 76 (8 ref.)

Cyclic AMP in secretin choleresis. Evidence for a regulatory role in man and baboons but not in dogs. Levine RA, et al. **Gastroenterology** 70(4):537–44, Apr 76

Role of cholinergic mechanisms in the response to secretin of isolated canine pancreas. Vaysse N, et al. **Gastroenterology** 69(6):1269–77, Dec 75

Proceedings: Bicarbonate and cyclic AMP secretion in pure pancreatic juice: dose-response curves to synthetic secretin in man. Domschke S, et al. **Gut** 16(10):837, Oct 75

Proceedings: Effects of cholecystokinin, secretion and acetylcholine on pancreatic enzyme secretion and tissue levels of cyclic GMP and cyclic AMP. Harvey RF, et al. **Gut** 16(10):837–8, Oct 75

Effect of diazepam and hyoscine butylbromide on response to secretin and cholecystokinin-pancreozymin in man. Saunders JH, et al. **Gut** 17(5):351–3, May 76

Effect of secretin on release of heterogeneous forms of gastrin. Straus E, et al. **Gut** 16(12):999–1005, Dec 75

Different sensitivity of secretin action on liver blood flow and bile secretion. pp. 131–3. Brunner H, et al. **In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 I61d 1974.**

The influence of secretin on the secretion of pepsin in response to acid stimulants in the anaesthetized cat. Braganza JM, et al. **J Physiol (Lond)** 252(3):791–801, Nov 75

A comparison of the pepsin stimulating effects of secretin preparations. Braganza JM, et al. **J Physiol (Lond)** 258(1):63–72, Jun 76

The interaction of secretin and stimulants of gastric acid secretion in anaesthetized cats. Braganza JM, et al. **J Physiol (Lond)** 258(1):73–81, Jun 76

Comparison of vasoactive intestinal peptide and secretin in stimulation of pancreatic secretion. Konturek SJ, et al. **J Physiol (Lond)** 255(2):497–509, Feb 76

Proceedings: An analysis of the reported choleretic effect of secretin in the rat. Rutishauser SC. **J Physiol (Lond)** 257(1):59P, May 76

The effect of secretin on hydrogen ion transport in the duodenum and jejunum. Chung RS, et al. **J Surg Res** 20(5):467–71, May 76

The endogenous secretin in chicken: minor physiological role in exocrine pancreatic secretion. Kokue E, et al. **Jpn J Physiol** 26(1):1–8, 1976

Comparison of vasoactive intestinal peptide (VIP) and secretin in gastric secretion and mucosal blood flow. Konturek SJ, et al. **Pfluegers Arch** 361(2):175–81, 30 Jan 76

Cyclic-AMP and pancreatic bicarbonate secretion in response to secretin in dogs. Domschke S, et al. **Proc Soc Exp Biol Med** 150(3):773–9, Dec 75

Secretin dose-response in health and chronic pancreatic inflammatory disease. Petersen H, et al. **Scand J Gastroenterol** 10(8):851–61, 1975

The effect of secretin and cholecystokinin on the duodenal motility in man. Osnes M. **Scand J Gastroenterol [Suppl]** 10(35):22–5, 1975

Effects of secretin and cholecystokinin on relative composition of hepatic bile in rhesus monkeys. Gardiner BN, et al. **Surg Forum** 26:437–9, 1975

An electron microscopic study of the distribution of sodium in normal, pentagastrin-stimulated and secretin-inhibited fundic mucosa of the stomach of the rat. Kalahanis NG, et al. **Surg Gynecol Obstet** 143(2):263–9, Aug 76

[Origin of the glycoproteins contained in the human gastric juice after secretin administration (author's transl)] André F, et al. **Acta Gastroenterol Belg** 37(10–11):469–74, Oct–Nov 74 (Eng. Abstr.) **(Fre)**

[The effect of secretin and cerulein on the alkaline phosphatase of the duodenal juice in normal and in digestive diseases (author's transl)] Delcourt A, et al. **Acta Gastroenterol Belg** 38(1–2):13–23, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Pancreatic response to graded doses of synthetic secretion: comparison between intravenous and pernasal administration in man] Tympner F, et al. **Klin Wochenschr** 53(15):713–5, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Effect of secretine sniff on exocrine pancreatic function in cystic fibrosis (author's transl)] Hottinger S, et al. **Praxis** 64(38):1209–13, 23 Sep 75 (Eng. Abstr.) **(Ger)**

[Inhibition of small intestine absorption in man through the intestinal hormones secretin and cholecystokinin pancreozymin] Dollinger HC, et al. **Verh Dtsch Ges Inn Med** 81:1284–6, 1975 **(Ger)**

[Proceedings: Amylase activity in the parotid saliva in acute and chronic pancreatitis during rest and following stimulation with secretin and pancreozymin] Grimmel K, et al. **Z Gastroenterol** 14(2):245–6, Mar 76 **(Ger)**

[Effects of secretin on gastric secretion in Ghosh-Schild rats] Moriga M, et al. **Clin Endocrinol (Tokyo)** 23(9):949–54, Sep 75 **(Jpn)**

[Inhibitory effects of secretin on the secretion of gastric juice and gastrin—before and after the surgery of gastroduodenal ulcer] Sugiyama K, et al. **Clin Endocrinol (Tokyo)** 23(4):391–5, Apr 75 **(Jpn)**

[Proceedings: Regulatory effects of gastrin and secretin on gastrointestinal motility in man and their clinical significance] Nagasaki A, et al. **Jpn Arch Intern Med** 11(4):247–9, Dec 75 **(Jpn)**

[Effect of secretine and atropine on alimentary gastric secretion (author's transl)] Biernat J, et al. **Przegl Lek** 32(11):835–9, 1975 (Eng. Abstr.) **(Pol)**

[Effect of secretin-pancreozymin on the motor and secretory functions of the stomach and duodenum in peptic ulcer] Esenin VI, et al. **Klin Med (Mosk)** 52(3):47–53, Mar 74 **(Rus)**

[Age-specific characteristics of the exocrine function of the pancreas during stimulation with secretin and pancreozymin] Korkushko OV, et al. **Klin Med (Mosk)** 53(11):61–5, Nov 75 **(Rus)**

PHYSIOLOGY

The trophic action of gastrointestinal hormones. Johnson LR. **Gastroenterology** 70(2):278–88, Feb 76 (73 ref.)

Proceedings: Comparative studies on secretin and relate peptides. Dockray GJ. **J Endocrinol** 70(1):4P–5P, Jul 76

Secretin: A new role for an old hormone. Henry RW, et al. **Lancet** 2(7927):202–3, 2 Aug 75

[Secretin and gastric pepsin secretion] Imamura K. **Clin Endocrinol (Tokyo)** 23(3):283–6, Mar 75 **(Jpn)**

SECRETION

Quantification of physiological changes in gut endocrine cells: immunocytochemical and radioimmunoassays of secretin cell function. Polak JM, et al. **Acta Hepatogastroenterol (Stuttg)** 22(3):186–9, Jun 75

Secretion cells in the gastrointestinal tract. Chey WY, et al. **Endocrinology** 98(6):1390–5, Jun 76

Effect of vagotomy on secretin release in man. Ward AS, et al. **Gut** 16(12):951–6, Dec 75

Alcohol-stimulated secretion of immunoreactive secretin. Straus E, et al. **N Engl J Med** 293(20):1031–2, 13 Nov 75

Somatostatin suppresses secretin and pancreatic exocrine secretion. Boden G, et al. **Science** 190(4210):163–5, 10 Oct 75

STANDARDS

The relative potency of the Crick-Harper-Raper unit and the GIH clinical unit of secretin. Braganza JM, et al. **Gut** 16(7):549–52, Jul 75

THERAPEUTIC USE

Treatment of duodenal ulcer with a long-acting synthetic secretin: a pilot trial. Demling L, et al. **Acta Hepatogastroenterol (Stuttg)** 22(5):310–3, Oct 75

SECRETORY COMPONENT see under **IMMUNOGLOBULIN FRAGMENTS**

SECRETORY RATE

[The clinical value of the cortisol secretion rate determination in paediatric endocrinology (author's transl)] Parth K, et al. **Wien Klin Wochenschr** 87(10):337–42, 16 May 75 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Thyroid hormone regulation of the pulsatile discharges of luteinizing hormone in ovariectomized rats. Freeman ME, et al. **Endocrinology** 97(3):738–43, Sep 75

Clearance rate, half-life, and secretory potency of human gastrin-17-I in different species. Boniface J, et al. **Gastroenterology** 71(2):291–4, Aug 76

SEDATIVES see **HYPNOTICS AND SEDATIVES**

SEDATIVES, NONBARBITURATE

[Acute toxicity and sedative action of zizyphus seeds (author's transl)] Shibata M, et al. **J Pharm Soc Jpn** 95(4):465–9, Apr 75 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[The sedative effect of the Kneipp hay sack and balneological preparations of hay (author's transl)] Fröhlich HH, et al. **Munch Med Wochenschr** 118(11):317–20, 12 Mar 76 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Effects of hexapropymate on sleep in normal humans, measured with a polygraphic method] Risberg AM, et al. **Sem Hop Ther** 51(2):99–104, Feb 75 **(Fre)**

SEDUM

ANALYSIS

[Phenol compounds in some species of the genera Sempervivum and Sedum] Gumeniuk LA, et al. **Farm Zh** 31(1):75–7, Jan–Feb 76 **(Ukr)**

ANATOMY & HISTOLOGY

[Morphological and anatomical characteristics of the raw material of the great stonecrop] Gnedkov PA, et al. **Farm Zh** 31(1):77–8, Jan–Feb 76 **(Ukr)**

SEEDS

The action of seed and other reagents on HEMPAS erythrocytes. Bird GW, et al. **Acta Haematol (Basel)** 55(3):174–80, 1976

Letter: Lupinus mutabilis sweet-a potent food source from the Andean region. Tello FT. **Am J Clin Nutr** 29(9):933, Sep 76

The effect of wheat bran upon bile salt metabolism and upon the lipid composition of bile in gallstone patients. Pomare EW, et al. **Am J Dig Dis** 21(7):521–6, Jul 76

The susceptibility of young chickens, ducks, and turkeys to the photosensitizing effect of Ammi visnaga seeds. Egyed MN, et al. **Avian Dis** 19(4):830–3, Oct–Dec 75

Assay of thalassaemic messenger RNA in the wheat germ system. Pritchard J, et al. **Br J Haematol** 32(4):473–85, Apr 76

Transfer of 125I to eggs in hens fed on diets containing rapeseed meal. Roos AJ, et al. **Br Poult Sci** 16(4):413–5, Jul 75

Effect of some new seed-treatment agents upon harmful and useful microorganisms. Andreeva EI. **Environ Qual Saf [Suppl]** 3:728–30, 1975

The effect of volatile and gaseous metabolites of swelling seeds on germination of fungal spores. Catskă V, et al. **Folia Microbiol (Praha)** 20(2):152–6, 1975

Letter to the editor: Hypoglycaemic activity of Acacia arabica, Acacia benthami and Acacia modesta leguminous seed diets in normal young albino rats. Singh KN, et al. **Indian J Physiol Pharmacol** 19(3):167–8, Jul–Sep 75

The effect of sunflower seed oil on Freund's adjuvant-induced arthritis in the rat. Collins AJ, et al. **J Pharm Pharmacol** 28(6):533–4, Jun 76

Influence of glucosinolates and native enzymes on the nutritional value of low-glucosinolate rapeseed meal. Josefsson E, et al. **J Sci Food Agric** 27(5):433–7, May 76

Influence of sinapine and p-hydroxybenzylglucosinolate on the nutritional value of rapeseed and white mustard meals. Josefsson E, et al. **J Sci Food Agric** 27(5):438–42, May 76

Amino acid digestibility studies of autoclaved rapeseed meals using an in vitro enzymatic procedure. Rayner CJ, et al. **J Sci Food Agric** 27(7):643–8, Jul 76

Editorial: Rapeseed oil revisited. **Lancet** 2(7893):1359–60, 7 Dec 74

Genetic and biochemical aspects of the development of Datura. Conklin ME. **Monogr Dev Biol** (12):1–170, 1976 (380 ref.)

Nutritive value of rapeseed meals and rapeseed protein isolates. El Nockrashy AS, et al. **Nutr Metab** 19(3–4):145–52, 1975

Effect of dietary rapeseed oil on hepatic hexobarbital metabolism in mice. Michalek H, et al. **Nutr Metab** 18(5–6):272–82, 1975

Toxicological and teratological studies of a rapeseed protein diet in rats and mice. Sharpe GL, et al. **Nutr Metab** 18(5–6):245–57, 1975

Pharmacological studies on Daucus carota part I. Dhar VJ, et al. **Planta Med** 28(1):12–5, Aug 75

Antitumor activity of Sesbania vesicaria, S. punicea, and S. drummondii seed extracts. Powell RG, et al.
Planta Med 30(1):1–8, Aug 76

Arginine–lysine relationship in rapeseed meal. Leslie AJ, et al. **Poult Sci** 55(2):631–7, Mar 76

Fatty haemorrhagic liver syndrome in laying hens on diets supplemented with rapeseed products. Yamashiro S, et al. **Res Vet Sci** 19(3):312–21, Nov 75

The transmission of genes via pollen and ovules in gynodioecious angiosperms. Lloyd DG.
Theor Popul Biol 9(3):299–316, Jun 76 (33 ref.)

Carcinogenic and neurotoxic components in the cycad encephalartos altensteinii Lehm. (family Zamiaceae). Louw WK, et al. **Toxicon** 13(6):447–52, Dec 75

Studies on seed coat toxicity to rhizobia of urid (Phaseolus mungo), mung (Phaseolus aureus), and soybean (Glycine max). Jain MK, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):163–9, 1976

[Rheology and spinning of alkaline solutions of sunflower seed globulin and casein] Schmandke H, et al. **Nahrung** 20(2):195–211, 1976 (Eng. Abstr.) **(Ger)**

[Acute toxicity and sedative action of zizyphus seeds (author's transl)] Shibata M, et al. **J Pharm Soc Jpn** 95(4):465–9, Apr 75 (Eng. Abstr.) **(Jpn)**

[Kinetics of the urea amido hydrolase (urease) of Citrullus vulgaris seeds] Hargreaves AB, et al.
An Acad Bras Cienc 45(3–4):439–47, 1973 (Eng. Abstr.) **(Por)**

[Local anti–inflammatory and anti–actinic action of oil extracted from Plantago sp. seeds] Moisă L, et al.
Rev Med Chir Soc Med Nat Iasi 79(4):585–7, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[The possibility of determining sex manifestations in cucumbers (Cucumis sativus L.) at the seed stage] Nabokov IG, et al. **Tsitol Genet** 8(5):438–40, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[Cooking of beans (Phaseolus vulgaris)] Jaffé WG, et al.
Arch Latinoam Nutr 25(1):79–90, Mar 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

The fluorometric determination of nucleic acids in pea seeds by use of ethidium bromide complexes. El Hamalawi AR, et al. **Anal Biochem** 67(2):384–91, Aug 75

Temperature effects on affinity chromatography of two lectins from the seeds of Ricinus communis. Hsu HW, et al. **Anal Biochem** 73(2):513–21, Jun 76

Preliminary structure analysis of canavalin from jack bean. McPherson A Jr, et al. **Arch Biochem Biophys** 169(2):650–61, Aug 75

Isolation, purification, and some properties of a lectin and abrin from Abrus precatorius linn. Roy J, et al.
Arch Biochem Biophys 174(1):359–61, May 76

Mechanism of action of cesalin, an antitumor protein. Elting J, et al. **Biochem Biophys Res Commun** 71(3):871–6, 9 Aug 76

Peanut (Arachis hypogaea L.) seed protein characterization and genotype sample classification using polyacrylamide gel electrophoresis. Savoy CF.
Biochem Biophys Res Commun 68(3):886–93, 9 Feb 76

Studies on the proteins from the seeds of Croton tiglium and of Jatropha curcas. Toxic properties and inhibition of protein synthesis in vitro. Stirpe F, et al. **Biochem J** 156(1):1–6, 15 Apr 76

Circular dichroism studies on the alpha–D–galactopyranosyl binding lectin isolated from the seeds of Bandeiraea simplicifolia. Lönngren J, et al. **Biochemistry** 15(2):436–40, 27 Jan 76

Precipitation and carbohydrate–binding specificity studies on wheat germ agglutinin. Goldstein IJ, et al.
Biochim Biophys Acta 405(1):53–61, 9 Sep 75

Isolation and identification of two isomeric glutamylselenocystathionines from the seeds of astragalus pectinatus. Nigam SN, et al. **Biochim Biophys Acta** 437(1):116–21, 23 Jun 76

Studies on phytohemagglutinins. XXV. Isolation and characterization of hemagglutinins of the spindle tree seeds (Evonymus europaea L.). Pacák F, et al.
Biochim Biophys Acta 400(2):374–86, 19 Aug 75

Further characterization studies of the alpha–amylase protein inhibitor of gel electrophoretic mobility 0.19 from the wheat kernel. Petrucci T, et al. **Biochim Biophys Acta** 420(2):288–97, 20 Feb 76

Comparison of chemical and microbiological methods in the estimation of methionine in cowpea (Vigna unguiculata) seeds. Evans IM, et al. **Br J Nutr** 36(2):289–93, Sep 76

Carbohydrate–binding properties of an immobilized alpha–D–galactopyranosyl–binding protein (lectin) from the seeds of Bandeiraea simplicifolia. Ross TT, et al.
Carbohydr Res 47(1):91–7, Mar 76

The trypsin and chymotrypsin inhibitors in chick peas (Cicer arietinum L). Identification of the trypsin–reactive site, partial–amino–acid sequence and further physico–chemical properties of the major inhibitor. Belew M, et al.
Eur J Biochem 62(3):499–508, 1 Mar 76

Characterization studies on a new lectin found in seeds of Vicia ervilia. Fornstedt N, et al. **FEBS Lett** 57(2):187–91, 15 Sep 75

Purification and characterization of a hemagglutinin from Arachis hypogeae. Terao T, et al.
Hoppe Seylers Z Physiol Chem 356(11):1685–92, Nov 75

Changes in chemical & fatty acid composition during the last phase of maturation of seeds of two Indian mustard cultivars Brassica juncea Coss. Das Gupta SK.
Indian J Biochem Biophys 11(3):263–4, Sep 74

Physico–chemical studies on the 11S globulin in soybean seeds: size and shape determination of the molecule. Koshiyama I, et al. **Int J Pept Protein Res** 8(3):283–9, 1976

Identification and properties of 'phytate' in cereal grains and oilseed products. de Boland AR, et al.
J Agric Food Chem 23(6):1186–9, Nov–Dec 75

A new liquid chromatography approach to plant phenolics. Application to the determination of chlorogenic acid in sunflower meal. Felice LJ, et al. **J Agric Food Chem** 24(2):380–2, Mar–Apr 76

Morphine and codeine in poppy seed. Grove MD, et al.
J Agric Food Chem 24(4):896–7, Jul–aug 76

Okra seeds: a new protein source. Karakoltsidis PA, et al.
J Agric Food Chem 23(6):1204–7, Nov–Dec 75

Sesame (Sesamum indicum) carbohydrates. Wankhede DB, et al. **J Agric Food Chem** 24(3):655–9, May–Jun 76

Double–headed protease inhibitors from black–eyed peas. VI. Singlet–singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. Gennis LS, et al. **J Biol Chem** 251(3):769–75, 10 Feb 76

Double–headed protease inhibitors from black–eyed peas. IV. Half–site reactivity in the formation of complexes with trypsin and chymotrypsin. Gennis LS, et al.
J Biol Chem 251(3):754–62, 10 Feb 76

Double–headed protease inhibitors from black–eyed peas. III. Subunit interactions of the native and half–site chemically modified proteins. Gennis LS, et al. **J Biol Chem** 251(3):747–53, 10 Feb 76

Double–headed protease inhibitors from black–eyed peas. II. Structural studies by optical absorption and circular dichroism. Gennis LS, et al. **J Biol Chem** 251(3):741–6, 10 Feb 76

Evaluation of the ESCA technique as a screening method for the estimation of protein content and quality in seed meals. Peeling J, et al. **J Sci Food Agric** 27(4):331–40, Apr 76

Magnolia seed carotenoid pigments: typical evolutionarily–static relicts? Bauman AJ, et al.
J Theor Biol 53(2):277–84, Sep 75

24–Methylenedammarenol: a new triterpene alcohol from shea butter. Itoh T, et al. **Lipids** 10(12):808–13, Dec 75

Analysis of methylsterol fractions from twenty vegetable oils. Jeong TM, et al. **Lipids** 10(10):634–40, Oct 75

Taxus baccata seed oil: a new source of cis–5,cis–9–octadecadienoic acid. Madrigal RV, et al.
Lipids 10(8):502–4, Aug 75

Steroidal sapogenins from Trigonella occulta. Jain SC.
Lloydia 39(4):244–5, Jul–Aug 76

Characteristics of prickly lettuce seed oil in relation to methods of extraction. Ramadan AA. **Nahrung** 20(6):579–83, 1976

Chemical constituents of the seeds and bark of Syzygium cumini. Bhatia IS, et al. **Planta Med** 28(4):346–52, Dec 75

Cardamonin and alpinetin from the seeds of Amomum subulatum. Bheemasankara Rao C, et al. **Planta Med** 29(4):391–2, Jun 76

Chemical examination of the seeds of Bombax malabaricum. Dhar DN, et al. **Planta Med** 29(2):148–50, Mar 76

Gas liquid chromatographic separation and identification of the constituents of caraway seed oil. I. The monoterpene hydrocarbons. Salveson A, et al. **Planta Med** 30(1):93–6, Aug 76

Investigation of Strychnos spp. III. Study of triterpenes and sterols of Strychnos potatorum seeds. Singh H, et al.
Planta Med 28(4):392–6, Dec 75

Sterols of Yucca glauca tissue cultures and seeds. Stohs SJ, et al. **Planta Med** 27(3):257–61, May 75

Phytochemical, pharmacological, antibacterial and anti–ovulatory studies on Annona squamosa. Vohora SB, et al. **Planta Med** 28(1):97–100, Aug 75

Large scale preparation of wheat germ agglutinin. Bassett EW. **Prep Biochem** 5(5–6):461–77, 1975

Rapid biochemical test for seed germinability. Martínez–Honduvilla CJ, et al. **Rev Esp Fisiol** 31(4):289–92, Dec 75

Serological studies on an alpha–D–galactosyl–binding lectin isolated from Bandeiraea simplicifolia seeds. Judd WJ, et al. **Vox Sang** 30(4):261–7, 1976

[Quinic and isochlorogenic acids in sunflower seeds (Helianthus annuus Lin.)] Mourgue M, et al.
C R Soc Biol (Paris) 169(5):1256–9, 1975 **(Fre)**

[Sesquiterpene hydrocarbons from Nigella damascena seeds (author's transl)] Tillequin F, et al. **Planta Med** 30(1):59–61, Aug 76 (Eng. Abstr.) **(Fre)**

[Simultaneous isolation of proteins and fats from oil seeds. I. Principle of procedure] Mieth G, et al. **Nahrung** 19(9–10):955–60, 1975 (Eng. Abstr.) **(Ger)**

[Isolation and characterization of main albumin fractions of seeds from sunflower (Helianthus annuus L.) and rape (Brassica napus L.)] Raab B, et al. **Nahrung** 19(9–10):829–33, 1975 (Eng. Abstr.) **(Ger)**

[Technological directions for processing rape proteins into protein concentrates and isolates] Rutkowski A.
Nahrung 19(9–10):941–54, 1975 (Eng. Abstr.) **(Ger)**

[Seed globulins from legumes. III. Seed globulins from broad bean (Vicia faba L.)] Scholz G, et al. **Nahrung** 19(9–10):823–8, 1975 (Eng. Abstr.) **(Ger)**

[Isolation and characterization of 11–S–globulins from sunflower seeds (Helianthus annuus L.)] Schwenke KD, et al. **Nahrung** 19(9–10):817–22, 1975 (Eng. Abstr.) **(Ger)**

[Isolation of proteins with complex forming agents] Schwenke KD, et al. **Nahrung** 19(9–10):935–9, 1975 (Eng. Abstr.) **(Ger)**

[Analysis of rapeseed oil] Sonanini D, et al.
Pharm Acta Helv 50(11):379–84, 1975 **(Ger)**

[On constituents of coper–spurge seed (lathyridis seed). V. Constituents of lathyridis seed oil (author's transl)] Ishiguro T, et al. **J Pharm Soc Jpn** 95(6):764–6, Jun 75 (Eng. Abstr.) **(Jpn)**

[On constituents of coper–spurge seed (lathyridis seed). IV. The structure of ester L3 (author's transl)] Ishiguro T, et al. **J Pharm Soc Jpn** 95(6):760–3, Jun 75 (Eng. Abstr.) **(Jpn)**

[Legume seeds with phytohemagglutinin activity] Gagliardi AR, et al. **An Acad Bras Cienc** 45(3–4):497–500, 1973 (Eng. Abstr.) **(Por)**

[Data on the chemical composition of the fatty oil from plantago seeds] Grigorescu E, et al.
Rev Med Chir Soc Med Nat Iasi 79(4):581–3, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Molecular weight hetergeneity of proteins of the ribosomes and ribosomal subunits from dry pea seeds] Chumikina LV, et al. **Biokhimiia** 40(3):461–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Analysis of ribosomal proteins and ribosomal subunits of pea seeds by electrophoresis in polyacrylamide gel] Chumikina PV, et al. **Biokhimiia** 40(2):267–75, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Quantitative content of total polar lipids in soybean seeds Glycine max (L.) Merr] Zhukov AV, et al. **Biokhimiia** 40(5):899–908, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Limiting amino acids of chickpeas (Cicer arietinum) for chickens and pigs] Shimada A, et al.
Arch Latinoam Nutr 25(4):363–75, Dec 75 (Eng. Abstr.) **(Spa)**

[Study of the natural oil from the seed of Schisandra] Zapotil'ko FT, et al. **Farm Zh** 31(3):79–81, May–Jun 76 **(Ukr)**

ANATOMY & HISTOLOGY

[Determination of germination and study of anatomy of the seeds of Solanum laciniatum Ait. cultivated experimentally in Vojvodina] Krstić–Pavlović N, et al.
Glas Srp Akad Nauka [Med] (25):85–96, 1974 **(Ser)**

CYTOLOGY

Mitotic activity in rice seedlings germinating under oxygen deficiency. Kordan HA. **J Cell Sci** 20(1):57–9, Jan 76

DRUG EFFECTS

Protection by GABA and succinic semialdehyde of seed germination and some enzymatic activities against high concentration of hydroxylamine. Cañadas S, et al.
Rev Esp Fisiol 32(2):91–4, Jun 76

[First results of varietal comparison and nitrogen fertilization of rapeseed in Italy (author's transl)] Benvenuti A, et al. **Riv Sci Tecn Nutr Um** 5(2):97–101, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Modification of the antimutagenic activity of alpha–tocopherol by administration at different periods of G1] Alekperov UK. **Tsitol Genet** 10(1):40–2, Jan–Feb 76 **(Rus)**

[The relationship between the conception of the role of histones in the mutagenic process and the combined effect of trichloracetic acid and dimethylsulfate on Arabidopsis] Plotnikov VA, et al. **Tsitol Genet** 10(1):35–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[The influence of the duration of storage of seeds treated with one mutagen on the effect of exposure to another mutagenic factor] Shamaeva NN, et al. **Tsitol Genet** 10(1):31–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

pH–dependent leaving group effects on hydrolysis reactions of phosphate and phophonate esters catalyzed by wheat germ acid phosphatase. Hickey ME, et al.
Arch Biochem Biophys 172(2):439–48, Feb 76

Activation of wheat germ acetyl CoA carboxylase by potassium and rubidium. Nielsen NC, et al.
Biochem Biophys Res Commun 68(1):205–10, 12 Jan 76

Occurrence of a D–glucosyltransferase in germinating pea seeds and isolation of an endogenous acceptor. Storm DL, et al. **Biochem Biophys Res Commun** 68(2):511–7, 26 Jan 76

Dissociation–recombination of intergenic sunflower alcohol dehydrogenase isozymes and relative isozyme activities. Torres AM. **Biochem Genet** 14(1–2):87–98, Feb 76

2,3–Oxidosqualene cyclase and

cycloartenol-s-adenosylmethionine methyltransferase activities in vivo in the cotyledon and axis tissues of germinating pea seeds. Fang TY, et al. **Biochem J** 150(3):323–8, Sep 75

The induction of enzyme activity in the endosperm of germinating castor-bean seeds. Marriott KM, et al. **Biochem J** 152(1):65–70, Oct 75

The plant aminoacyl-tRNA synthetases. Purification and characterization of valyl-tRNA, tryptophanyl-tRNA and seryl-tRNA synthetases from yellow-lupin seeds. Jukubowski H, et al. **Eur J Biochem** 52(2):301–10, 17 Mar 75

Cytological detection of poly (ADP-ribose) polymerase. Payne JF, et al. **Exp Cell Res** 99(2):428–32, May 76

Stimulation of ribonuclease activity and its isoenzymes in germinating seeds of cowpea (Vigna sinensis) by gibberellic acid and adenosine-3',5-cyclic monophosphate. Kapoor HC, et al. **Experientia** 32(5):558–60, 15 May 76

Methionine-tRNA-ligase from wheat germ: purification and properties. Chazal P, et al. **FEBS Lett** 56(2):268–72, 15 Aug 75

3'-nucleotidase from germinating rice embryos. Shivakumar AG, et al. **Indian J Biochem Biophys** 12(3):209–12, Sep 75

Natural plant enzyme inhibitors: Part II-protease inhibitors of seeds. Sumathi S, et al. **Indian J Biochem Biophys** 13(1):52–6, Mar 76

Aspartate aminotransferase from wheat germ: purification and kinetic properties. Orlacchio A, et al. **Ital J Biochem** 24(2):119–37, Mar–Apr 75

In vivo effects of octanoate and oleate on glucose-6-phosphate dehydrogenase during germination of Pinus pinea seeds. Vincenzini MT, et al. **Ital J Biochem** 24(6):317–24, Nov–Dec 75

The binding of nucleotides to 3'-nucleotidase from wheat germ. Voltattorni CB, et al. **Ital J Biochem** 24(5):241–57, Sep–Oct 75

Biochemical changes in Pinus pinea seeds. II. The stimulation is isocitrate lyase and malate dehydrogenase activities by exogenous growth substances. Martínez-Honduvilla CJ, et al. **Rev Esp Fisiol** 31(1):15–20, Mar 75

Pine seed ribonucleases. I. Preparation and properties. Martínez-Honduvilla MJ, et al. **Rev Esp Fisiol** 31(4):283–8, Dec 75

Isocitrate lyase activities in Pinus pinea seeds. Montoya-Villarroya J, et al. **Rev Esp Fisiol** 31(2):95–8, Jun 75 (Eng. Abstr.)

[Purification and mechanism of action of a plant galactokinase] Foglietti MJ, et al. **Biochimie** 58(5):499–504, 1976 (Eng. Abstr.) **(Fre)**

[alpha-L-Rhamnosidase from Fagopyrum esculentum: purification and some properties (author's transl)] Bourbouze R, et al. **Eur J Biochem** 63(2):331–7, 1 Apr 76 (Eng. Abstr.) **(Fre)**

[Cellular distribution of elongation factor EF1 in wheat germ] Quintard B, et al. **FEBS Lett** 57(3):285–9, 1 Oct 75 (Eng. Abstr.) **(Fre)**

[Soaking temperature and enzyme activation in seeds of Phaseolus vulgaris L.] Riggio Bevilacqua L, et al. **Boll Soc Ital Biol Sper** 51(4):220–6, 28 Feb 75 **(Ita)**

[Isolation of phospholipase D from cotton seeds] Mad'iarov ShR. **Biokhimiia** 41(2):255–9, Feb 76 **(Rus)**

[Several properties of cotton seed phospholipase D] Rakhimov MM, et al. **Biokhimiia** 41(3):452–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Specificity of cotton seed lipases] Rakhimov MM, et al. **Biokhimiia** 41(2):289–93, Feb 76 (Eng. Abstr.) **(Rus)**

[Some arylamidases from vetch seeds] Shutov AD, et al. **Biokhimiia** 40(3):553–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Conditions of isolation of the enzyme lipase from Nigella damascena L. seeds] Korchagina LN, et al. **Prikl Biokhim Mikrobiol** 11(3):443–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Lipolytic enzymes of cotton seeds and their stability] Madyarov SR, et al. **Prikl Biokhim Mikrobiol** 11(3):437–42, May–Jun 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Proceedings: Kinetic analysis of the synergism between gibberellic acid and the physiologically active form of phytochrome. Fredericq H, et al. **Arch Int Physiol Biochim** 84(1):160–2, Feb 76

A germination model for natural seed populations. Goloff AA Jr, et al. **J Theor Biol** 52(2):259–83, Aug 75

Kinetics and thermodynamics of isothermal seed germination. Hageseth GT, et al. **J Theor Biol** 53(1):51–65, Sep 75

Activation energy and germination times for isothermal seed germination. Hageseth GT. **J Theor Biol** 59(1):247–9, Jun 76

[Effects of abscisic acid and other plant growth substances on seed germination] Martínez-Honduvilla CJ, et al. **Rev Esp Fisiol** 31(3):187–90, Sep 75

IMMUNOLOGY

[Role of the carbohydrates in the biological activities of two lectins extracted from seeds of Robinia pseudoacacia and Dolichos biflorus (author's transl)] pp. 717–24. Font J.

In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m. (Eng. Abstr.) **(Fre)**

METABOLISM

Large-scale isolation of tRNA from barley embryos. Augustyniak J, et al. **Acta Biochim Pol** 23(1):3–11, 1976

Temperature sensitivity of initiation of protein synthesis in wheat germ cell-free extracts: conversion to temperature insensitivity by the ribosomal wash fraction from rabbit reticulocytes. Zehavi-Willner T, et al. **Arch Biochem Biophys** 172(2):706–14, Feb 76

Proceedings: Uptake of (14C gibberellic acid by Kalanchoë blossfeldiana (cv.) Feuerblüte seeds. Rethy R, et al. **Arch Int Physiol Biochim** 84(1):181–2, Feb 76

Partial sequence of the precursors of immunoglobulin light-chains of different subgroups: evidence that the immunoglobulin variable-region gene is larger than hitherto known. Schechter I, et al. **Biochem Biophys Res Commun** 68(2):489–96, 26 Jan 76

Regulation of protein synthesis in cotton seed embryogenesis and germination. Dure LS 3d. **Biochem Soc Symp** (38):217–34, 1973

Storage and metabolism of poly(adenylic acid)-mRNA in germinating cotton seeds. Hammett JR, et al. **Biochemistry** 14(20):4375–9, 7 Oct 75

Pre-proparathyroid hormone: fidelity of the translation of parathyroid messenger RNA by extracts of wheat germ. Kemper B, et al. **Biochemistry** 15(1):20–5, 13 Jan 76

Lesions in the ribosomes of non-viable pea (Pisum arvense) embryonic axis tissue. Bray CM, et al. **Biochim Biophys Acta** 442(1):14–23, 2 Aug 76

Lesions in post-ribosomal supernatant fractions associated with loss of viability in pea (Pisum arvense) seed. Bray CM, et al. **Biochim Biophys Acta** 442(1):1–13, 2 Aug 76

Synthesis of anacardic acids in seeds of Ginkgo biloba. Gellerman JL, et al. **Biochim Biophys Acta** 431(1):16–21, 22 Apr 76

Chemical modification studies on the alpha-D-galactopyranosyl binding lectin from the seeds of Bandeiraea simplicifolia. Lönngren J, et al. **Biochim Biophys Acta** 439(1):160–6, 19 Jul 76

Wheat embryo ribonucleates. VI. Comparison of the 3'-hydroxyl termini in 'rapidly labelled' RNA from metabolizing wheat embryos with the corresponding termini in ribosomal RNA from differentiating embryos of wheat, barley, corn and pea. Oakden KM, et al. **Can J Biochem** 54(3):261–71, Mar 76

Effect on microorganisms of volatile compounds released from germinating seeds. Schenck S, et al. **Can J Microbiol** 21(10):1622–34, Oct 75

Translation of type I and type II procollagen messengers in a cell-free system derived from wheat germ. Harwood R, et al. **FEBS Lett** 57(1):47–50, 1 Sep 75

The translational system from wheat embryos: some properties of the polypeptides associated in EF1H. Lanzani GA, et al. **FEBS Lett** 64(1):102–6, 15 Apr 76

Stimulation of collagen synthesis in a cell-free system by mRNA from chick embryos. Neufang O, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1445–50, Sep 75

Biosynthesis of saturated and unsaturated fatty acids by maturing Carthamus tinctorius L. seeds. Stumpf PK. **J Am Oil Chem Soc** 52(9):484A–490A, Sep 75

Double-headed protease inhibitors from black-eyed peas. I. Purification of two new protease inhibitors and the endogenous protease by affinity chromatography. Gennis LS, et al. **J Biol Chem** 251(3):734–40, 10 Feb 76

Double-headed protease inhibitors from black-eyed peas. V. Analysis of the energetics of protease-inhibitor interactions. Gennis LS. **J Biol Chem** 251(3):763–8, 10 Feb 76

Developmental biochemistry of cotton seed embryogenesis and germination. VII. Characterization of the cotton genome. Walbot V, et al. **J Mol Biol** 101(4):503–36, 15 Mar 76

[Studies on stable and during early imbibition phases synthesized poly(A)-RNA of Agrostemma githago embryos (author's transl)] Hecker M. **Experientia** 32(1):50–3, 15 Jan 76 (Eng. Abstr.) **(Ger)**

[Accumulation of stored nutritive substances in hexaploid Triticale seeds] Zhila ED, et al. **Tsitol Genet** 8(5):435–7, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Control of postharvest losses caused by fungi in food and feed grains. Christensen CM, et al. **Basic Life Sci** 7:207–13, 1976

Some biochemical changes in young barley plants, due to the Vitavax disinfection of seeds against Ustilago nuda (Jens.) Rostr. Krátká J. **Zentralbl Bakteriol [Naturwiss]** 130(2):165–70, 1975

[Seed transmission of cherry leaf roll virus in black cherry (Prunus serotina Ehrh.)] Schimanski HH, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):117–9, 1976 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Is DNA synthesis required for the induction of differentiation in quiescent root cortical parenchyma? Shininger TL. **Dev Biol** 45(1):137–50, Jul 75

Density-labeling evidence against a de novo formation of peroxisomes during greening of fat-storing cotyledons. Theimer RR, et al. **FEBS Lett** 57(1):89–92, 1 Sep 75

RADIATION EFFECTS

Letter: Lack of radiosensitizing effect of extract from germinating barley seeds. Balachandran, et al. **Int J Radiat Biol** 27(6):607–10, Jun 75

Induction by gamma-radiation of DNA synthesis in radicle cells of germinating seeds of Pisum sativum l. Gudkov IN, et al. **Int J Radiat Biol** 29(5):455–62, May 76

Letter: Dependence of chemical radioprotection on the stability of radiation-induced oxygen-sensitive sites. Kesavan PC, et al. **Int J Radiat Biol** 28(5):495–9, Nov 75

Letter: Modification of the radiosensitivity of barley seed by posttreatment with caffeine. III. Influence of dose of irradiation and concentration of caffeine. Kesavan PC, et al. **Int J Radiat Biol** 29(4):395–8, Apr 76

Modification of the radiosensitivity of barley seed by post-treatment with caffeine. Kinetics of decay of caffeine-reactive oxygen-sensitive sites. Nadkarni S, et al. **Int J Radiat Biol** 27(6):569–76, Jun 75

Thermoluminescence studies on plant seeds of different radiosensitivity. Yamaguchi H, et al. **J Radiat Res (Tokyo)** 16(3):173–83, Sep 75

[Studies on the specific effect of low doses of ionizing radiation on the seeds of cultivated plants. 5-Year production experiments using 60C0-gamma irradiated silo maize] Degner W, et al. **Radiobiol Radiother (Berl)** 16(1):37–49, 1975 **(Ger)**

[Examinations on the specific effect of low doses of ionizing radiations on cultivated plants. III. (author's transl)] Degner W, et al. **Radiobiol Radiother (Berl)** 16(6):705–10, 1975 (Eng. Abstr.) **(Ger)**

[Prolonged radiation mutagenesis] Dubinina LG, et al. **Dokl Akad Nauk SSSR** 226(5):1196–8, 11 Feb 76 **(Rus)**

[Effect of gamma-irradiation on the nucleotide composition of the tRNA of cotton] Karakuziev TU. **Radiobiologiia** 15(5):725–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of the stimulating effect of ionizing radiation on seeds. Activation of the synthesis of ribonucleic acid] Kuzin AM, et al. **Radiobiologiia** 15(5):747–50, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Cotyledon respiration following gamma-irradiation of seeds in doses stimulating growth] Vagabova ME. **Radiobiologiia** 15(3):470–1, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of pre-sowing gamma-irradiation on the biology and fruitfulness of cucumbers] Zhambiansurén D, et al. **Radiobiologiia** 15(5):790–2, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of dose and dose rate of gamma radiation on changes in the quantitative indices of tomatoes] Savin VN, et al. **Tsitol Genet** 10(1):53–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Chlorophyll mutations induced by gamma radiation in Phaseolus vulgaris L] Meoño ME. **Rev Biol Trop** 23(1):125–32, Jul 75 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Protein bodies in the nucellus of Euphorbia helioscopia. Gori P. **J Ultrastruct Res** 54(1):53–8, Jan 76

SEGONTIN see **PRENYLAMINE**

SELECTION (GENETICS)

Selection of biochemically variant clones of human lymphoid cells. Clements GB. **Ann Hum Genet** 39(3):353–60, Jan 76

Inheritance of some sweat gland and hair follicle characteristics in cattle. Jenkinson DM, et al. **Aust J Biol Sci** 28(4):417–24, Aug 75

Genetic resistance to Marek's disease. Morrisroe LS. **Aust Vet J** 52(5):215–9, May 76

Biogenic amines in Drosophila melanogaster selected for differences in larval feeding behavior. Sewell DF, et al. **Behav Biol** 15(2):213–7, Oct 75

Selection for geotaxis in Drosophila melanogaster: heritability, degree of dominance, and correlated responses to selection. Watanabe TK, et al. **Behav Genet** 6(1):71–86, Jan 76

Best linear unbiased estimation and prediction under a selection model. Henderson CR. **Biometrics** 31(2):423–47, Jun 75

Index selection with proportionality constraints. Kemp CD, et al. **Biometrics** 31(1):223–5, Mar 75

Design of experiments to estimate heritability when observations are available on parents and offspring. Thompson R. **Biometrics** 32(2):283–304, JUN 76

Genetic studies on walking behavior in Drosophila melanogaster. I. Selection and hybridization analysis. Choo JK. **Can J Genet Cytol** 17(4):535–42, Dec 75

The difference of pupa weight measurements in Tribolium and its effects on selection responses. Yamada Y. **Can J Genet Cytol** 17(4):601–7, Dec 75

Demographic consequences of artificial selection at the LAP locus in voles (Microtus townsendii). LeDuc J, et al. **Can J Zool** 53(12):1825–40, Dec 75

Studies on thymus products. V. Influence of genetic selection based on antibody production on thymus hormone production. Dardenne M, et al. **Clin Exp Immunol** 17(2):339–44, Jun 74

X-chromosome inactivation and selection in somatic cells. Gartler SM. **Fed Proc** 35(10):2191–4, Aug 76

Clones of B lymphocytes: their natural selection and expansion. Williamson AR, et al. **Fed Proc** 35(10):2195–201, Aug 76

Ovulation rate of lines of mice selected for testis weight. Mafizul Islam AB, et al. **Genet Res** 27(1):23–32, Feb 76

Selection at the alcohol dehydrogenase locus in Drosophila

melanogaster imposed by environmental ethanol. Oakeshott JG. **Genet Res** 26(3):265–74, Dec 75

Fitness of third chromosome homozygotes in Drosophila melanogaster. Sved JA. **Genet Res** 25(2):197–200, Apr 75

Evolution of experimental 'mutator' populations of Drosophila melanogaster. Benado MB, et al. **Genetics** 82(1):43–52, Jan 76

Recombination modification in a fluctuating environment. Charlesworth B. **Genetics** 83(1):181–95, May 76

Remarks on the evolutionary effect of natural selection. Ewens WJ. **Genetics** 83(3 PT.2):601–7, Jul 76

Genetic drift in clines which are maintained by migration and natural selection. Felsenstein J. **Genetics** 81(1):191–207, Sep 75

Selection in reference to biological groups. V. Analysis of full-sib groups. Griffing B. **Genetics** 82(4):703–22, Spr 76

Selection in reference to biological groups. VI. Use of extreme forms of nonrandom groups to increase selection efficiency. Griffing B. **Genetics** 82(4):723–31, Spr 76

Selection for high adult body weight in Drosophila populations with different structures. Katz AJ, et al. **Genetics** 81(1):163–75, Sep 75

Two-way selection for growth rate in the common carp (Cyprinus carpio L.) Moav R, et al. **Genetics** 82(1):83–101, Jan 76

Gene frequency distributions as a test of selective neutrality. Robertson A. **Genetics** 81(4):775–85, Dec 75

Gene flow and selection in a two-locus system. Slatkin M. **Genetics** 81(4):787–802, Dec 75

The effects of hitchhiking on a gene for recombination. Strobeck C, et al. **Genetics** 82(3):547–58, 25 Mar 76

The unit of selection in Drosophila mercatorum. I. The interation of selection and meiosis in parthenogenetic strains. Templeton AR, et al. **Genetics** 82(2):349–76, Feb 76

Marginal overdominance in Drosophila. Wills C. **Genetics** 81(1):177–89, Sep 75

Apostatic selection in small natural populations. Järvinen O. **Hereditas** 82(1):127–9, 1976

The effects of selection and human preference on coat colour gene frequencies in urban cats. Clark JM. **Heredity (Lond)** 35(2):195–210, Oct 75

The effect of conditioning the medium in DRosophila, in relation to frequency-dependent selection. Dolan R, et al. **Heredity (Lond)** 35(3):311–6, Dec 75

Selection equilibria in a multiallele single-locus setting. Hughes PJ, et al. **Heredity (Lond)** 35(2):185–94, Oct 75

Some examples of double exponential fitness functions. Manly BF. **Heredity (Lond)** 36(2):229–34, Apr 76

The effect of larval selection on adult resistance to DDT in two strains of the mosquito Aedes aegypti (L.). Margham JP, et al. **Heredity (Lond)** 36(1):143–5, Feb 76

A demographic analysis of the components of selection in a population of Arctic Skuas. O'Donald P, et al. **Heredity (Lond)** 36(3):331–50, Jun 76

Fertility, physique, and intensity of selection. Vetta A. **Hum Biol** 47(3):283–93, Sep 75

Possible genetic consequences of relaxed selection against common disorders with complex inheritance. Matsunaga E. **Hum Genet** 31(1):53–7, 28 Jan 76

Phosphoglucomutase phenotypes and prenatal selection. Studies of spontaneous and induced abortions. Beckman G, et al. **Hum Hered** 25(3):172–6, 1975

Communicative behavior and evolution. Introduction: diversity, evolution, and communication. pp. 1–6. Simmel EC, et al.
In: Hahn ME, Simmel EC, ed. Communicative behavior and evolution. New York, Academic Press, 1976. BF 637.C45 S989c 1974.

Genetic markers, evolution and selection. pp. 35–46. Bodmer WF.
In: Ikkala E, Nykänen A, ed. Transfusion and immunology, Vammala, Vammalan Kirjapaino Oy, 1975. WB 356 I58t 1975. (27 ref.)

Parental age, genetic variation and selection. pp. 3–22. Beardmore JA, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975. (26 ref.)

Selection component analysis of natural polymorphisms using mother-offspring samples of successive cohorts. pp. 277–301. Christiansen FB, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Altruism, competition and kin selection in populations. pp. 537–46. Eshel I, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

The theoretical assessment of selective neutrality. pp. 303–37. Ewens WJ, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975. (45 ref.)

Stochastic selection and the maintenance of genetic variation. pp. 593–615. Hartl DL, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Population subdivision and selection migration interaction. pp. 617–57. Karlin S.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Some theoretical analyses of migration selection interaction in a cline: a generalized two range environment. pp. 659–706. Karlin S, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

The intensity of selection for electrophoretic variants in natural populations of drosophila. pp. 391–410. Latter BD.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Models of density-frequency dependent selection for the exploitation of resources. I. Intraspecific competition. pp. 707–21. Matessi C, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Mating preferences and their genetic effects in models of sexual selection for colour phases of the Arctic Skua. pp. 411–30. O'Donald P.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

The three locus model with multiplicative fitness values: the crystallization of the genome. pp. 781–90. Strobeck C.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

The relationship between genotype and fitness for heterotic models. pp. 441–63. Sved JA.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

The HL-A system as a model for studying the interaction between selection, migration, and linkage. pp. 465–98. Thomson G, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Pituitary and serum growth hormone levels in Duroc and Yorkshire swine genetically selected for high and low backfat. Althen TG, et al. **J Anim Sci** 42(6):1490–7, Jun 76

Heritability of testicular size and consistency in Holstein bulls. Coulter GH, et al. **J Anim Sci** 43(1):9–12, Jul 76

Selection for increased preweaning and postweaning weight gain in mice. Frahm RR, et al. **J Anim Sci** 41(1):33–42, Jul 75

Follicular population and body weight in relation to genetic differences in ovarian response to gonadotropin in rats. Gianola D, et al. **J Anim Sci** 42(1):36–42, Jan 76

Induction of parental behavior in Japanese quail (Coturnix coturnix japonica). Hess EH, et al. **J Comp Physiol Psychol** 90(3):244–51, Mar 76

Joint effects of mutation and selection on gametic frequencies in a panmictic population. Aguado P. **J Hered** 67(3):178–80, May-Jun 76

Gametic frequencies in a panmictic population under forward and backward mutation and selection. Aguado P. **J Hered** 67(3):180–2, May-Jun 76

Stabilizing selection in Drosophila melanogaster. Curtsinger JW. **J Hered** 67(1):59–60, Jan-Feb 76

Predicting selection response for growth of channel catfish. Reagan RE, et al. **J Hered** 67(1):49–53, Jan-Feb 76

The effect of selection on the fertility of translocation heterozygotes in the house fly. Hossain MA, et al. **J Med Entomol** 12(1):59–64, 30 Apr 75

Sexual selection for a handicap: a critical analysis of Zahavi's model. Davis JW, et al. **J Theor Biol** 57(2):345–54, Apr 76

Sexual selection and the handicap principle. Smith JM. **J Theor Biol** 57(1):239–42, Mar 76

Darwinian selection for self-limiting populations. Williams MB. **J Theor Biol** 55(2):415–30, Dec 75

Mate selection–a selection for a handicap. Zahavi A. **J Theor Biol** 53(1):205–14, Sep 75

Electrophoretic study of human ribosomal core proteins: evidence for selection against variation. Bucknall WE, et al. **Johns Hopkins Med J** 137(3):123–6, Sep 75

Estimation of gene frequencies from segregation data and a study of selection in ABO blood groups. Fujiki K. **Jpn J Hum Genet** 19(4):291–316, Mar 75

Estimation of relative fitness in human abnormalities with sex difference in selection intensity: a new simplified method. Tanaka K. **Jpn J Hum Genet** 20(3):183–6, Dec 75

Group selection in predator-prey communities. Gilpin ME. **Monogr Popul Biol** (9):1–108, 1975

Factors affecting the growth of Chinese hamster cells in HAT selection media. Fox M, et al. **Mutat Res** 35(3):445–64, Jun 76

Indirect selection for auxotrophic mutants of Saccharomyces cerevisiae using the antibiotic netropsin. Young JD, et al. **Mutat Res** 35(3):423–8, Jun 76

Influence of selection pressures on enzyme polymorphisms in Drosophila. Latter BD. **Nature** 257(5527):590–2, 16 Oct 75

The influence of divergent growth selection of semen traits, fertility and hatchability. Cheng KM, et al. **Poult Sci** 55(1):457–9, Jan 76

Changes in relative aggressiveness and social dominance associated with selection for early egg production in chickens. Craig JV, et al. **Poult Sci** 54(5):1647–58, Sep 75

Body growth response to selection and crossbreeding in dwarf and normal broiler-type chickens. Khan AG, et al. **Poult Sci** 54(4):1239–44, Jul 75

Response to selection for time interval between ovipositions in the hen. McClung MR, et al. **Poult Sci** 55(1):160–71, Jan 76

Erythrocyte lifespan in dwarf and normal pullets from growth selected lines of chickens. Reddy PR, et al. **Poult Sci** 54(4):1301–3, Jul 75

Selection for body weight at eight weeks of age. 11. Ovulation and oviposition patterns. Reddy PR, et al. **Poult Sci** 55(4):1518–30, Jul 76

Selection of broiler chickens for a high and low incidence of tibial dyschondroplasia with observations on spondylolisthesis and twisted legs (perosis). Riddel C. **Poult Sci** 55(1):145–51, Jan 76

General kin selection models for genetic evolution of sib altruism in diploid and haplodiploid species. Levitt PR. **Proc Natl Acad Sci USA** 72(11):4531–5, Nov 75

Effect of temporal fluctuation of selection coefficient on gene frequency in a population. Takahata N, et al. **Proc Natl Acad Sci USA** 72(11):4541–5, Nov 75

The general principles of selection and evolution at the molecular level. Küppers B. **Prog Biophys Mol Biol** 30(1):1–22, 1975 (70 ref.)

Sex change and sexual selection. Warner RR, et al. **Science** 190(4215):633–8, 14 Nov 75

Sample sizes required to detect linkage disequilibrium between two or three loci. Brown AH. **Theor Popul Biol** 8(2):184–201, Oct 75

Selection within and between heterogenetic associations in fungi. Cohen D. **Theor Popul Biol** 9(3):425–8, Jun 76 (7 ref.)

Some basic elements of continuous selection models. Cornette JL. **Theor Popul Biol** 8(3):301–13, Dec 75

Cultural and biological evolutionary processes, selection for a trait under complex transmission. Feldman MW, et al. **Theor Popul Biol** 9(2):238–59, Apr 76

A slow selection analysis of two locus, two allele traits. Hoppensteadt FC. **Theor Popul Biol** 9(1):68–81, Feb 76

Numerical studies on two-loci selection models with general viabilities. Karlin S, et al. **Theor Popul Biol** 7(3):399–421, Jun 75

Random temporal variation in selection intensities acting on infinite diploid populations: diffusion method analysis. Levikson B, et al. **Theor Popul Biol** 8(3):292–300, Dec 75

Clone selection and the mutation rate. Painter PR. **Theor Popul Biol** 8(1):74–80, Aug 75

Genetics and disease in domestic animals with particular reference to dairy cattle. Spooner RL, et al. **Vet Rec** 97(7):125–30, 16 Aug 75 (74 ref.)

Viral interference-mediated selection of a plaque-type variant of influenza virus. Noronha-Blob L, et al. **Virology** 69(1):314–22, Jan 76

[Changes in the content of serotonin and 5-hydroxyindoleacetic acid in the brain during selection of silver foxes according to behavior] Popova NK, et al. **Dokl Akad Nauk SSSR** 223(6):1498–500, 21 Aug 75 **(Rus)**

[Analysis of the inheritance by yeasts of radiation and nitrous acid sensitivity] Arman IP, et al. **Genetika** 10(1):112–8, Jan 74 (Eng. Abstr.) **(Rus)**

[Veterinary genetics and selection] Pavel UG. **Genetika** 11(5):41–5, 1975 (Eng. Abstr.) **(Rus)**

[Veterinary genetics and selection] Pavel UG. **Genetika** 11(5):41–5, 1975 (Eng. Abstr.) **(Rus)**

[Inheritance of changes in the activity level of lactate dehydrogenase 2d isozyme in silver fox erythrocytes] Serov OL, et al. **Genetika** 9(12):45–8, Dec 73 (Eng. Abstr.) **(Rus)**

[The biochemical-genetic mechanisms of learning. II. Selection for high and low rate of acquiring a motor conditioned reflex] Shumskaia IA, et al. **Genetika** 11(3):74–80, 1975 **(Rus)**

[Biochemical-genetic mechanisms of learning. II. Selection for a higher and lower rate of motor conditioned reflex acquisition] Shumskaia IA, et al. **Genetika** 11(3):74–80, 1975 (Eng. Abstr.) **(Rus)**

[Estimation of heritability indexes from the results of sampling experiments] Urbakh VIu. **Genetika** 10(2):171–5, Feb 74 (Eng. Abstr.) **(Rus)**

[Autoselection in Candida utilis yeasts in a chemostat culture] Shkidchenko AN, et al. **Mikrobiologiia** 44(4):676–81, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Genetic bases for the selection of microorganisms using analogs] Stepanov AI. **Tsitol Genet** 9(4):363–72, Jul-Aug 75 (72 ref.) (Eng. Abstr.) **(Rus)**

[Importance of genetics in raising the resistance of animals] Pavel IuG. **Veterinariia** (4):50–1, Apr 76 **(Rus)**

SELENIUM

75Se-methionine uptake in the pancreas. An experimental investigation in mice. Lewander R. **Acta Radiol [Diagn] (Stockh)** 16(6):618–24, Nov 75

Synthesis and chromatographic properties of Se-carboxymethyl-selenocysteamine (carboxymethyl, 2-aminoethyl selenide). Rinaldi A, et al. **Anal Biochem** 69(1):289–92, Nov 75

Synthesis, chemical reactivity, and chemotherapeutic activity of certain selenonucleosides and nucleosides related to the pyrrolo(2,3-d)pyrimidine nucleoside antibiotics. Townsend LB, et al. **Ann NY Acad Sci** 255(751106–751230–2):91–103, 8 Aug 75

Pyridoxal phosphate-catalyzed alpha-beta elimination of selenalysine. De Marco C, et al. **Arch Biochem Biophys** 173(2):750–2, Apr 76

Aminoacylation of Escherichia coli cysteine tRNA by selenocysteine. Young PA, et al. **Arch Biochem Biophys** 171(2):483–9, Dec 75

Mercury and selenium distribution in a defined area and in its population. Rossi LC, et al. **Arch Environ Health** 31(3):160–5, May-Jun 76

X-ray photoelectron spectroscopy of some selenium containing amino acids. Rupp H, et al. **Bioinorg Chem** 5(1):21–32, 1975

Selenium binding to beef-kidney rhodanese. Cannella C, et al. **Eur J Biochem** 55(1):285–9, 16 Jun 75

Use of (75Se)L-Selenomethionine as a label for lymphoid cells. Bainbridge DR. **Immunology** 30(1):135–44, Jan 76

Selenium and heart disease. pp. 15–22. Shamberger RJ, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

New methods for introducing 75Se into radiopharmaceuticals. Basmadjian GP, et al.
Int J Appl Radiat Isot 26(11):695–7, Nov 75

In vitro labelling of platelets with stable selenocystine. Cesareo R, et al. **Int J Appl Radiat Isot** 27(5–6):324–6, May–Jun 76

Standardization and ground-state branching of selenium–75. Hutchinson JM, et al. **Int J Appl Radiat Isot** 27(1):47–50, Jan 76

Copper catalyzed alkaline autoxidation of selenocystamine. Rinaldi A, et al. **Ital J Biochem** 24(3–4):219–30, May–Aug 75

Synthesis of selenocystathionamine and preliminary data on its oxidation by diamineoxidase. Rinaldi A, et al.
Ital J Biochem 25(2):152–9, May–Apr 76

Letter: Selenium protection against mercury toxicity. Binding of methylmercury by the selenohydryl-containing ligand. Sugiura Y, et al. **J Am Chem Soc** 98(8):2339–41, 14 Apr 76

Selenium in ruminant nutrition: a review. Ammerman CB, et al. **J Dairy Sci** 58(10):1561–77, Oct 75 (146 ref.)

Selenium content of feeds and effect of dietary selenium on hair and blood serum. Perry TW, et al. **J Dairy Sci** 59(4):760–3, Apr 76

75SeL-selenomethionine: a new isotopic marker for lymphocyte localisation studies. Rose ML, et al.
J Immunol Methods 9(3–4):281–96, 1976

Differential effects of high dietary levels of vitamin A on the vitamin E-selenium nutrition of young and adult chickens. Combs GF Jr. **J Nutr** 106(7):967–75, Jul 76

Influence of ascorbic acid on selenium nutrition in the chick. Combs GF Jr, et al. **J Nutr** 106(7):958–66, Jul 76

A facile synthesis of 1-beta-D-arabinofuranosyl-2-seleno- and -4-selenouracil and related compounds. Shiue CY, et al. **J Org Chem** 40(20):2971–4, 3 Oct 75

A new alkylation reagent for seleno- and thio-substituted nucleosides and related compounds. Shiue CY, et al.
J Org Chem 41(10):1847–8, 14 May 76

New compounds: synthesis of aliphatic seleno amino acids as potential pancreatic imaging agents. Sadeh T, et al.
J Pharm Sci 65(4):623–5, Apr 76

Letter: Selenium and neonatal death. Cowgill UM. **Lancet** 1(7963):816–7, 10 Apr 76

Essentiality and metabolic functions of selenium. Schwarz S. **Med Clin North Am** 60(4):745–58, Jul 76 (42 ref.)

Selenium in in vitamin-E-deficient diets and the occurrence of myopathy as a symptom of vitamin E deficiency. Hulstaert CE, et al. **Nutr Metab** 20(2):91–4, 1976

Photochemical investigations of oxazine, thiazine and selenazine dyes. The reactivity of protolytic triplet forms in electron transfer reactions. Vogelmann E, et al.
Photochem Photobiol 23(6):383–90, Jun 76

Chemical characterization of the selenoprotein component of clostridial glycine reductase: identification of selenocysteine as the organoselenium moiety. Cone JE, et al. **Proc Natl Acad Sci USA** 73(8):2659–63, Aug 76

Selenium is an essential trace nutrient for growth of WI-38 diploid human fibroblasts. McKeehan WL, et al.
Proc Natl Acad Sci USA 73(6):2023–7, Jun 76

Selenium in fly ash. Gutenmann WH, et al. **Science** 191(4230):966–7, 5 Mar 76

Distribution and behaviour of isoselenouronium salts in the body. IV. 2-Aminoselenoazoline. Kozák I, et al.
Strahlentherapie 150(6):590–6, Dec 75

Distribution and behavior of isoselenouronium salts in the body. V. Acute toxicity and metabolic fate of selenium derivatives. Kozák I, et al. **Strahlentherapie** 151(1):78–83, Jan 76

Distribution and behavior of isoselenouronium salts in the body. VI. Comparative study of distribution and radioprotectivity of selenium derivatives. Kozák I, et al.
Strahlentherapie 151(1):84–7, Jan 76

Selenomethionine Se 75 thymus scans in myasthenia gravis. Toole JF, et al. **Trans Am Neurol Assoc** 100:248–9, 1975

A technique for in vivo labelling of Fasciola hepatica miracidia with radioselenium. Nansen P, et al.
Z Parasitenkd 49(1):73–80, 31 Mar 76

[Preparation of selenohypotaurine] Fadda MB, et al.
Boll Soc Ital Biol Sper 51(15–16):947–50, 30 Aug 75 **(Ita)**

[Selenazoles. II. Reactions of pyridinaldehyde 4-ethylselenosemicarbazones with alpha-chloroketones] Biliński S, et al. **Acta Pol Pharm** 33(3):343–7, 1976 (Eng. Abstr.) **(Pol)**

[Synthesis of barbiturate thio- and selenosemicarbazones] Tsurkan AA, et al. **Farm Zh** 30(6):45–7, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

ADMINISTRATION & DOSAGE

Distribution and behaviour of isoselenium salts in organism. III. Radioprotective effect of selenium derivatives. Kozák I, et al. **Strahlentherapie** 150(5):539–45, Nov 75

ADVERSE EFFECTS

[Hypersensitivity to platinum, rhodium, gold, copper, antimony and other precious metals and occupational dermatitis caused by selenium] Jirásek L, et al.
Cesk Dermatol 50(6):361–8, Dec 75 (Eng. Abstr.) **(Cze)**

ANALYSIS

Use of a simple gamma flow cell to monitor chromatography column effluents containing 75Se. Asher CJ, et al.
Anal Biochem 69(2):618–22, Dec 75

Sequential determination of arsenic, selenium, antimony, and tellurium in foods via rapid hydride evolution and atomic absorption spectrometry. Fiorino JA, et al. **Anal Chem** 48(1):120–5, Jan 76

The determination of some 'toxic' metals in human liver as a guide to normal levels in New Zealand. Part II. Arsenic, mercury and selenium. Johnson CA, et al.
Anal Chim Acta 82(1):79–82, Mar 76

The gas-chromatographic determination of selenium(VI) and total selenium in milk, milk products and albumin with 1,2-diamino-4-nitrobenzene. Shimoishi Y. **Analyst** 101(1201):298–305, Apr 76

Isolation and identification of two isomeric glutamylselenocystathionines from the seeds of astragalus pectinatus. Nigam SN, et al. **Biochim Biophys Acta** 437(1):116–21, 23 Jun 76

Selenium in rainwater of the United States and Denmark. Kubota J, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

The content and distribution of selenium in soils and plants from seleniferous areas in Eire and England. pp. 113–21. Nye SM, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Selenium content of soybean foods. Ferretti RJ, et al.
J Agric Food Chem 24(1):54–6, Jan–Feb 76

Chemical examination of seleniferous cabbage Brassica oleracea capitata. Hamilton JW. **J Agric Food Chem** 23(6):1150–2, Nov–Dec 75

Determination of arsenic and selenium in foods by electroanalytical techniques. Holak.
J Assoc Off Anal Chem 59(3):650–4, May 76

Selenium in foods: evaluation of atomic absorption spectrometric techniques involving hydrogen selenide generation and carbon furnace atomization. Ihnat M.
J Assoc Off Anal Chem 59(4):911–22, Jul 76

Atomic absorption spectrophotometric determination of selenium in animal feed premix, using the vapor generation technique. Ng S, et al. **J Assoc Off Anal Chem** 58(5):987–9, Sep 75

Ion-exchange chromatography of S-(carboxymethyl) cysteine and Se-(carboxymethyl) selenocysteine. Rinaldi A, et al. **J Chromatogr** 120(1):221–3, 12 May 76

Selenium content of tooth enamel obtained from two South African ethnic groups. Retief DH, et al. **J Dent Res** 55(4):701, Jul–Aug 76

Do birds use waves for orientation when migrating across the sea? Harkin JM, et al. **Nature** 259(5540):204–5, 22 Jan 76

Methylmercury and selenium in umbilical cords of inhabitants of the Minamata area. Nishigaki S, et al. **Nature** 258(5533):324–5, 27 Nov 75

[Selenium values in animal feeds. I. Methods and normal values] Wiesner E, et al. **Arch Tierernaehr** 24(7–8):601–10, Oct 74 (Eng. Abstr.) **(Ger)**

[Determination of selenium in the atmosphere using 2, 3-diaminonaphthalene] Alekseeva IS. **Gig Sanit** (4):57–9, Apr 76 **(Rus)**

[Data to substantiate the permissible concentration of selenium and tellurium in the atmosphere] Celiankina KP, et al. **Gig Sanit** (10):14–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Determination of selenium and selenium dioxide in the air of industrial enterprises] Makedonskaia RN.
Gig Tr Prof Zabol (8):57–9, Aug 75 **(Rus)**

[Selenium content in the organs and tissues of sheep raised in the Nakhichevan ASSR] pp. 175–7. Akhmedov NM, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Distribution of selenium in the retina] pp. 50–1. Dzhafarov AI, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Selenium content in zonal soil types of the Azerbaijani SSR] pp. 143–7. Giul'akhmedov AN.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Selenium accumulation by plants] pp. 151–3. Giul'akhmedov AN, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Selenium content in the feeds and soils of farms infected with and free of white muscle disease of young buffaloes] pp. 148–50. Giul'akhmedov AN, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Localization of endogenous selenium in the structural elements of the eye of the bull] pp. 47–9. Guseinov TM, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Method of determining selenium in biological material] pp. 100–3. Nazarenko II, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

BLOOD

Selenium, vitamin E and copper in multiple sclerosis. Wikström J, et al. **Acta Neurol Scand** 54(3):287–90, Sep 76

The diagnostic value of plasma selenium estimations of blood samples collected in conjunction with exsanguination of swine. Simesen MG, et al. **Acta Vet Scand** 16(4):551–3, 1975

X-ray fluorescence spectrometric determination of selenium in biological materials. Strausz KI, et al. **Anal Chem** 47(12):2032–4, Oct 75

Interactions of cadmium and selenium in rat plasma in vivo and in vitro. Gasiewicz TA, et al.
Biochim Biophys Acta 428(1):113–121, 25 Mar 76

Effects of sex hormones and of pregnancy on the selenium metabolism. Behne D, et al. **Bioinorg Chem** 5(3):199–202, 1976

Relationship between serum selenium levels and patients with carcinoma. Broghamer WL, et al. **Cancer** 37(3):1384–8, Mar 76

Serum-selenium concentrations in patients with maple-syrup-urine disease and phenylketonuria under dieto-therapy. Lombeck I, et al. **Clin Chim Acta** 64(1):57–61, 1 Oct 75

Significance of selenium as a component of glutathione peroxidase in red cell metabolism. pp. 667–81. Hoekstra WG.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.

Selenium levels in human blood in New Zealand. Robinson MF, et al. **Proc Nutr Soc** 35(1):34A–35A, May 76

The levels of selenium and glutathione peroxidase activity in blood of sheep, cows and pigs. McMurray CH, et al. **Res Vet Sci** 20(2):229–31, Mar 76

DEFICIENCY

Vitamin E and selenium deficiencies (VESD) of domestic animals. Lannek N, et al. **Adv Vet Sci Comp Med** 19:127–64, 1975 (268 ref.)

Ultrastructural alterations in skeletal muscle of pigs with selenium-vitamin E deficiency. Van Vleet JF, et al.
Am J Vet Res 37(8):911–22, Aug 76

Ultrastructural changes in skeletal muscle of selenium-vitamin E-deficient chicks. Van Vleet JF, et al.
Am J Vet Res 37(9):1081–9, Sep 76

Some effects of selenium deficiency on the hepatic microsomal cytochrome P-450 system in the rat. Burk RF, et al. **Arch Biochem Biophys** 170(1):124–31, Sep 75

Glutathione peroxidase activities in sheep and rat muscle and some effects of selenium deficiency. Godwin KO, et al.
Aust J Biol Sci 28(3):251–8, Jun 75

The clinicopathological findings of mulberry heart disease in a piglet. Gudmundson J. **Can Vet J** 17(2):45–7, Feb 76

A review of some aspects of vitamin E-selenium responsive diseases with a note on their possible incidence in Alberta. MacDonald DW, et al. **Can Vet J** 17(3):61–71, Mar 76 (128 ref.)

Myodegeneration and suspected selenium/vitamin E deficiency in horses. Wilson TM, et al.
J Am Vet Med Assoc 169(2):213–7, 15 Jul 76

Effect of selenium on rat growth, growth hormone and diet utilization. Ewan RC. **J Nutr** 106(5):702–9, May 76

Vitamin E and selenium interrelations in the diet of Atlantic salmon (Salmo salar): gross, histological and biochemical deficiency signs. Poston HA, et al. **J Nutr** 106(7):892–904, Jul 76

Polychlorinated biphenyl-stimulated selenium deficiency in the chick. Combs GF Jr, et al. **Poult Sci** 54(4):1152–8, Jul 75

A suspected case of selenium deficiency in Friesian steers. Dear JP. **Vet Rec** 99(4):72, 24 Jul 76

[Vitamin E and selenium in the feed of farm animals (author's transl)] Veen WA, et al. **Tijdschr Diergeneeskd** 100(17):915–26, 1 Sep 75 (Eng. Abstr.) **(Dut)**

[Influence of vitamin E- and selenium-deficient feeding on the excretion of creatin and creatinin in young pigs] Szentkuti L, et al. **Dtsch Tieraerztl Wochenschr** 82(7):270–3, 5 Jul 75 **(Ger)**

DIAGNOSTIC USE

Tests of pancreatic function using 75Se-selenomethionine. Krasner N, et al. **Acta Hepatogastroenterol (Stuttg)** 23(2):144–50, Apr 76

[Differential diagnosis of cerebral scintigraphic foci with Se-75-selenite] Bestagno M, et al.
J Radiol Electrol Med Nucl 56 suppl 1:287–8, 1975 **(Fre)**

[Se 75-selenite in the diagnosis of lung tumors. Specificity and biologic problems] Fombellida Cortázar JC, et al.
J Radiol Electrol Med Nucl 56 suppl 1:385–8, 1975 **(Fre)**

[Pancreas function diagnosis with 75Se-methionine (author's transl)] Stoll W, et al. **Radiol Diagn (Berl)** 16(1):91–6, 1975 (Eng. Abstr.) **(Ger)**

[The measurement of 75selenium in duodenal juice--an advance in the diagnosis of pancreatic function (author's transl)] Pointner H. **Wien Klin Wochenschr** 87(19):642–6, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Diagnosis of parathyroid diseases in nuclear medicine]

Morita R, et al. **Jpn J Clin Radiol** 20(5):365–75, May 75 (66 ref.) **(Jpn)**

[Liver scanning with labeled colloid solution and methionine] Palinkashi DG, et al. **Med Radiol (Mosk)** 20(11):35–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Diagnosis of malignant tumors of the maxilla by radiometry using Se75–selenomethionine] Prikhod'ko AG, et al. **Stomatologiia (Mosk)** 55(2):44–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Scanning of primary and secondary orbital neoplasms with Se75–methionine] Gorskiĭ LA, et al. **Vestn Oftalmol** (1):49–54, 1976 (Eng. Abstr.) **(Rus)**

[Selenium–75 selenite in the evaluation of 89 cases of cold aereas obtained by colloid hepatic gammography: its diagnostic importance in primary liver carcinoma] Garrido G, et al. **Rev Clin Esp** 140(5):425–33, 15 Mar 76 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Effect of selenium on changes in physiologically active substances in sensitization and anaphylactic shock] pp. 138–40. Tagdisi DG, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

METABOLISM

Selenium and zinc concentrations in kidney, liver and muscle of cattle from different parts of Norway. Hellesnes I, et al. **Acta Vet Scand** 16(4):481–91, 1975

Retention of selenium in tissues of calves, lambs, and pigs after parenteral injection of a selenium–vitamin E preparation. Van Vleet JF. **Am J Vet Res** 36(9):1335–40, Sep 75

Changes in tumour cell selenite (75Se) affinity due to irradiation. Nordman E, et al. **Ann Clin Res** 8(1):43–7, Feb 76

Localization of selenium in bacterial cells using TEM and energy dispersive X-Ray analysis. Silverberg BA, et al. **Arch Microbiol** 107(1):1–6, Feb 76

A comparison of the uptake of [75Se]selenite, [75Se]selenomethionine and [35S]methionine by tissues of ewes and lambs. Fuss CN, et al. **Aust J Biol Sci** 28(3):239–49, Jun 75

The metabolism of [75Se]selenomethionine in four women. Griffiths NM, et al. **Br J Nutr** 35(3):373–82, May 76

Metabolic studies of [75Se]selenocystine and [75Se]selenomethionine in the rat. Thomson CD, et al. **Br J Nutr** 34(3):501–9, Nov 75

Effects of alternative selenium and sulfur sources on dimethylselenide production by two fungi isolated from natural systems. Barkes L, et al. **Bull Environ Contam Toxicol** 15(4):504–8, Apr 76

Incorporation of 75Se–selenomethionine into human apoproteins. II. Characterization of metabolism of very–low–density and low–density lipoproteins in vivo and in vitro. Eaton RP, et al. **Diabetes** 25(1):44–50, Jan 76

Incorporation of 75Se–selenomethionine into human apoproteins. I. Characterization of specificity in very–low–density and low–density lipoproteins. Eaton RP. **Diabetes** 25(1):32–43, Jan 76

Incorporation of 75Se–selenomethionine into human apoproteins. III. Kinetic behavior of isotopically labeled plasma apoprotein in man. Eaton RP, et al. **Diabetes** 25(8):679–90, Aug 76

75Se–selenomethionine excretion in bile and pancreatic juice. Pointner H, et al. **Digestion** 12(1):61–4, 1975

Biochemical function of selenium and its relation to vitamin E. Hoekstra WG. **Fed Proc** 34(11):2083–9, Oct 75 (50 ref.)

The use of 75selenomethionine for labelling the formed and protein elements of the blood. Burgér T, et al. **Folia Haematol (Leipz)** 102(3):295–304, 1975

Comparative metabolism of radionuclides in mammals—IX. Retention of 75Se in the mouse, rat, monkey and dog. Furchner JE, et al. **Health Phys** 29(5):641–8, Nov 75

Selenium contents of eggs and tissues of laying hens as influenced by diet. pp. 451–5. Arthur D.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Glutathione peroxidase activity of animal tissues as an index of selenium status. pp. 331–7. Hoekstra WG.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Dietary selenium requirements of sheep fed a practical–type diet as assessed by tissue glutathione peroxidase and other criteria. Oh SH, et al. **J Anim Sci** 42(4):984–92, Apr 76

Glutathione peroxidase response to selenium intake in lambs fed a Torula yeast–based, artificial milk. Oh SH, et al. **J Anim Sci** 42(4):977–83, Apr 76

Effect of supplemental selenium on performance and deposit of selenium in blood and hair of finishing beef cattle. Perry TW, et al. **J Anim Sci** 42(1):192–5, Jan 76

Radiation dose to the human body from intravenously administered 75Se–sodium selenite. Jereb M, et al. **J Nucl Med** 16(9):846–50, Sep 75

Selenium–75–19–selenocholesterol–a new adrenal scanning agent with high concentration in the adrenal medulla. Sarkar SD, et al. **J Nucl Med** 17(3):212–7, Mar 76

Fluoride–selenium interaction in the hard and soft tissues of the rat. Shearer TR, et al. **J Nutr** 106(4):451–6, Apr 76

[Electron microscopic study of Candida tropicalis yeasts grown on a medium containing selenium] Reshetnikova IA, et al. **Mikrobiologiia** 44(3):556–8, May–Jun 75 (Eng. Abstr.)

Effects of dietary polychlorinated biphenyls on vitamin E and selenium nutrition in the chick. Combs GF Jr, et al. **Poult Sci** 54(4):1143–52, Jul 75

Distribution of selenium in egg white and yolk after feeding natural and synthetic selenium compounds. Latshaw JD, et al. **Poult Sci** 54(4):1244–52, Jul 75

Biological potency of selenium from sodium selenite, selenomethionine, and selenocystine in the chick. Osman M, et al. **Poult Sci** 55(3):987–94, May 76

The effect of dietary selenium level on lead toxicity in the Japanese quail. Stone CL, et al. **Poult Sci** 55(1):341–9, Jan 76

Effect of cadmium chloride on the rat testicular soluble selenoenzyme, glutathione peroxidase. Omaye ST, et al. **Res Commun Chem Pathol Pharmacol** 12(4):695–711, Dec 75

[Incorporation of various positive indicators in cultures of normal cells and those transformed by oncogenic viruses] Salvatore M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:359–60, 1975 **(Fre)**

[LD 50 and selenium concentration in organs following intravenous administration of sodium selenite in the rabbit] Berschneider F, et al. **Arch Exp Veterinaermed** 29(4):615–20, 1975 (Eng. Abstr.) **(Ger)**

[Study of selenium metabolism in various hematologic diseases] pp. 119–21. Abdullaev GM, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Study of the dynamics of selenium distribution in the developing chick embryo] pp. 44–6. Dzhabieva SA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Distribution of the radioactive selenium isotope, Se75, through the organs and tissues of rats and mice] pp. 91–3. Dzhafarov AI, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Change in the selenium content in rat tissues during the development of malignant tumors] pp. 129–31. Dzhafarov AI, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Selenourea and colloidal selenium: their role in radioprotection and radiosensitization of enzyme and cellular systems. Badiello R, et al. **Ann Ist Super Sanita** 10(3–4):147–57, 1974 (Eng. Abstr.)

Elongation factor 2 as the target of the reaction product between sodium selenite and glutathione (GSSeSG) in the inhibiting of amino acid incorporation in vitro. Vernie LN, et al. **Biochim Biophys Acta** 414(3):283–92, 19 Dec 75

The effects of selenium on the metabolism of methionine in sheep. Hidiroglou M, et al. **Can J Physiol Pharmacol** 54(03):336–46, Jun 76

Cardiac effects of sodium selenite. Aviado DM, et al. **Cardiology** 60(2):113–20, 1975

Effect of dietary selenium on tumor induction by an oncogenic virus. Exon JH, et al. **Clin Toxicol** 9(2):273–9, 1976

Metabolic aspects of selenium action and toxicity. Diplock AT. **CRC Crit Rev Toxicol** 4(3):271–329, Feb 76 (430 ref.)

Efficacy of selenium in tuna and selenite in modifying methylmercury intoxication. Ohi G, et al. **Environ Res** 12(1):49–58, Aug 76

Mechanisms of action of selenium and vitamin E in protection of biological membranes. Combs GF Jr, et al. **Fed Proc** 34(11):2090–5, Oct 75 (81 ref.)

Interrelationships of selenium with other trace elements. Hill CH. **Fed Proc** 34(11):2096–100, Oct 75

[Effect of a selenium compound on the formation of the electroretinogram under various experimental conditions] pp. 11–22. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.)

[Some results and prospects of research on the effect of selenium on biological systems] pp. 3–8. Abdullaev GB.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.

Interactions of mercury, cadmium, selenium, tellurium, arsenic and beryllium. pp. 527–43. Groth DH, et al.
In: Nordberg GF, ed. Effects and dose–response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974. (17 ref.)

Influence of dietary selenium on lead toxicity in the rat. Cerklewski FL, et al. **J Nutr** 106(6):778–83, Jun 76

Influence of dietary peroxides, selenium and vitamin E on glutathione peroxidase of the gastrointestinal tract. Vilas NN, et al. **J Nutr** 106(5):589–96, May 76

Selenium heterocycles XVIII: Synthesis and antibacterial activity of 4–substituted (1,2,3–selenadiazol–5–yl) carbamic acid esters and their sulfur analogs. Shafiee A, et al. **J Pharm Sci** 65(2):304–7, Feb 76

Selenoamino acids in tissues of rats administered inorganic selenium. Olson OE, et al. **Metabolism** 25(3):299–306, Mar 76

Studies on selenium–related compounds. V. Cytogenetic effect and reactivity with DNA. Nakamuro K, et al. **Mutat Res** 40(3):177–84, Jul 76

Selenium effect on the growth of carcinogenic fungi and cytotoxic action of aflatoxin B1 on lymphocyte culture and on embryonal development of Xenopus laevis. Aleksandrowicz J, et al. **Pol Med Sci Hist Bull** 15(4):453–9, Jul–Aug 75

Effect of selenium on methylmercury binding to subcellular and soluble proteins in rat tissues. Chen RW, et al. **Res Commun Chem Pathol Pharmacol** 12(2):297–308, Oct 75

Effect of selenium on the toxicity of methylmercury on nervous tissue in culture. Kasuya M. **Toxicol Appl Pharmacol** 35(1):11–20, Jan 76

[Effect of various drugs on the skin surface lipids] Rätz KH, et al. **Dermatol Monatsschr** 161(11):948–51, Nov 75 **(Ger)**

[Effectiveness of sodium selenite in experimental liver dystrophy] Danik LM. **Farmakol Toksikol** 39(2):204–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Smell threshold and reflex effect on the body of low concentrations of selenium and tellurium dioxides in the air] Iakhimovich NP. **Gig Sanit** (2):101–2, Feb 75 **(Rus)**

[Effect of sodium selenite on the development and fertility of the cabbage moth under different temperature conditions] pp. 171–4. Abdinbekova AA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Early receptor potential of the retina under normal conditions and under the action of a selenium–containing substance] pp. 35–43. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Action of selenium on the generation and conduction of action potentials in isolated nerves of cold– and warm–blooded animals] pp. 32–4. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of a selenium compound on the formation of a retinal response evoked by an electrical stimulus] pp. 23–31. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Change in the indices of nonspecific and specific immunity in immunized rabbits with supplementary feeding of selenium] pp. 116–8. Berenshtein TF.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of selenium on the activity of certain blood enzymes of frogs and rabbits] pp. 84–6. Berenshtein TF.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Methionine metabolism and selenium] pp. 87–90. Chagovets RV, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of selenium on the functions of the reproductive organs and fertility of mice] pp. 66–70. Eiubov IZ, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Change in the carotenoid and vitamin A concentration in the serum of animals receiving selenium] pp. 52–3. Gasanov GI, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Study of the action of selenium on the hereditary characteristics of Drosophila melanogaster] pp. 71–2. Ismailov AS, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Prospects for using selenium in the area of plant protection] pp. 162–70. Ismailov KhA.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of sodium selenite on the rate of glycolysis under an intensive muscular load] pp. 94–5. Karaev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of different selenium concentrations on the early stages of development of the true sturgeons] pp. 64–5. Kasimov RIu, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Some aspects of the pharmacology of preparations containing selenium] pp. 111–5. Kudrin AN, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of selenium, cysteine and their combination on the sulfhydryl group content in the blood and liver of rats] pp. 76–80. Mekhtiev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Stability of rat erythrocytes to the action of the body of sodium selenite] pp. 61–3. Mekhtiev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Effect of selenium on the content of free amino acids in the plasma and liver of rats] pp. 73–5. Mekhtiev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Immunoelectrophoretic picture of the serum lipoproteins under the influence of sodium selenite at various dosages] pp. 81–3. Mekhtiev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974.

QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Regenerative activity of the liver under the action on the body of sodium selenite] pp. 104–7. Mekhtiev MA, et al.

In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Some data on the effect of the trace element, selenium, on the productivity of sheep under the conditions of the Nakhichevan ASSR] pp. 178–81. Musaev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Effect of selenium salts on the growth and development of wheat on mountain cinnamonic forest steppization soils] pp. 154–61. Shakuri BK.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Effect of selenium on certain aspects of carbohydrate metabolism, circulatory functions and on the excitability of sensitive nerve endings] pp. 96–9. Tagdisi DG.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Condensation of some thio- and selenosemicarbazones with symmetrical dichloroacetone] Tsurkan OO. **Farm Zh** (5):82–3, Sep–Oct 75 **(Ukr)**
[Glutathione peroxidase and glutathione reductase activity in the rat liver after the administration of sodium selenite] Kruglikova AA, et al. **Ukr Biokhim Zh** 48(2):223–8, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

[Possible regulation of the free-radical state of the retina by selenium compounds] pp. 54–7. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

POISONING

[Towards a formal pathogenesis of experimental sodium selenite poisoning in broilers] Jahn W.
Berl Munch Tieraerztl Wochenschr 89(3):50–7, 1 Feb 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Selenium-responsive myopathy in broiler breeder hens in Queensland. Bains BS, et al. **Aust Vet J** 51(3):140–5, Mar 75
Selenium-responsive unthriftiness of young merino sheep in Central Victoria. McDonald JW. **Aust Vet J** 51(9):433–5, Sep 75
Selenium and cancer: a review. Schrauzer GN.
Bioinorg Chem 5(3):275–81, 1976 (36 ref.)
Protective effect of selenium on certain hepatotoxic and pancreotoxic manifestations of subacute cadmium administration. Merali Z, et al. **J Pharmacol Exp Ther** 195(1):58–66, Oct 75
Selenium–tocopherol in veterinary medicine. Herrick JB.
Vet Med Small Anim Clin 70(12):1455–60, Dec 75
[The influence of vitamin E and selenium supplements on the leg weakness syndrome in swine] Roth FX, et al.
Zentralbl Veterinaermed [A] 22(10):854–63, Dec 75 (Eng. Abstr.) **(Ger)**
[Data on the radioprotective property of selenium] pp. 122–5. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Antitumor action of selenium compounds] pp. 126–8. Abdullaev GB, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Selenium in the prevention of white muscle disease in young buffaloes] pp. 132–5. Dil'bazi GI.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Treatment of seborrhea with sodium selenite] pp. 136–7. Guseinov MM, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Experience in the prevention of white muscle disease of lambs by means of sodium selenite] Katenin AD.
Veterinariia (2):103–4, Feb 75 **(Rus)**
[Use of selenium preparations in treatment of acute experimental liver dystrophy] Skakun NP, et al.
Vrach Delo (7):34–6, Jul 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute toxicity of selenium dioxide to freshwater fishes. Cardwell RD, et al. **Arch Environ Contam Toxicol** 4(2):129–44, 1976
Relative toxicity of organic and inorganic compounds of selenium to newly hatched zebrafish (Brachydanio rerio). Niimi AJ, et al. **Can J Zool** 54(4):501–9, Apr 76
Factors influencing the effects and dose–response relationships for toxic metals: the effects of selenium and metal–metal or metal–mineral interactions. pp. 89–95.
In: Nordberg GF, ed. Effects and dose–response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974.
Effect of selenium and mercury on survival of chick embryos. Bird HR. **Poult Sci** 55(4):1423–8, Jul 76
Fractionation studies on a factor in linseed meal protecting against selenosis in chicks. Jensen LS, et al. **Poult Sci** 55(2):594–9, Mar 76

SELENOMETHIONINE see under **SELENIUM**

SELF see **EGO**

SELF ASSESSMENT see under **SELF CONCEPT**

SELF CONCEPT

see related
BODY IMAGE
Personal management of growth: productivity, decision-making, emotion, and social behavior in my senior year. Brand S. **Adolescence** 10(40):549–62, Winter 75
Perceptions of the use of drugs—a cross-sectional analysis. Calhoun JF. **Adolescence** 11(41):143–52, Spring 76
The self and adolescent identity in women: options and implications. Dellas M, et al. **Adolescence** 10(39):399–407, Fall 75
The utility of self-management procedures in modifying the classroom behaviors of mentally retarded adolescents. Long JD, et al. **Adolescence** 11(41):29–38, Spring 76
The effect of interpersonal influences and school environment on adolescent self concept: a comparative study. Spencer WA. **Adolescence** 11(42):301–7, Summer 76
An investigation of the self-concept of expressive language of thirty adolescent hearing impaired students using the Q-sort technique. Schwartz JL, et al. **Am Ann Deaf** 120(6):572–7, Dec 75
Therapeutic approaches to adolescence. Loewendahl E.
Am Correct Ther J 29(5):169–72, Sep–Oct 75
Melville's lost self: Bartleby. Bollas C. **Am Imago** 31(4):401–11, Winter 74
Subjective apperception and use of color during dental procedures under hypnosis: report of a case. Dubin LL.
Am J Clin Hypn 18(4):282–4, Apr 76
Hypnosis as role-enactment: the effect of positive information about hypnosis on self-role congruence. Megas JC, et al.
Am J Clin Hypn 18(2):132–7, Oct 75
Hypnotic perturbation of perceived exertion: ventilatory consequences. Morgan WP, et al. **Am J Clin Hypn** 18(3):182–90, Jan 76
Encouraging client self-discovery. Braden CJ, et al.
Am J Nurs 76(3):444–6, Mar 76
Effect of perceptual motor training on gross-motor skill and self-concept of young children. Platzer WS.
Am J Occup Ther 30(7):422–8, Aug 76
Psychosocial development among black children and youth: a reexamination. Taylor RL. **Am J Orthopsychiatry** 46(1):4–19, Jan 76 (71 ref.)
The structure of personality. Robbins B.
Am J Psychoanal 35(2):175–81, Summer 75
Why and when is status inconsistency stressful? House JS, et al. **Am J Sociol** 81(2):395–412, Sep 75
The real self: from institution to impulse. Turner RH.
Am J Sociol 81(5):989–1016, Mar 76
The judged, not the judges. An insider's view of mental retardation. Bogdan R, et al. **Am Psychol** 31(1):47–52, Jan 76
The content and structure of adolescent self-images. Longitudinal studies. Hauser ST. **Arch Gen Psychiatry** 33(1):27–32, Jan 76
Self-disclosure in group therapy with schizophrenics. Strassberg DS, et al. **Arch Gen Psychiatry** 32(10):1259–61, Oct 75
Assessment of social adjustment by patient self-report. Weissman MM, et al. **Arch Gen Psychiatry** 33(9):111–5, Sep 76
Locus of evaluation and adjustment to experimentally induced failure and success among disabled adolescents. Baldwin NF. **Arch Phys Med Rehabil** 57(3):109–13, Mar 76
Individual cigarette usage: self-reported data as a function of respondent-reported data. McMahan CA, et al.
Atherosclerosis 23(3):477–88, May–Jun 76
Prevalence of self-reported drug use among London undergraduates. Somekh D. **Br J Addict** 71(1):79–88, Mar 76
Impulsivity: self-report and performance measure. Cairns E, et al. **Br J Educ Psychol** 45(3):327–9, Nov 75
Psychiatric patients as seen by self and others: an exploration of change in a therapeutic community setting. Kennard D, et al. **Br J Med Psychol** 49(1):35–53, Mar 76
Personal questionnaire changes and their correlates in a psychotherapeutic group. Shapiro DA, et al.
Br J Med Psychol 48(3):207–15, Sep 75
Primary schoolboys: image of self and smoker. Bland JM, et al. **Br J Prev Soc Med** 29(4):262–6, Dec 75
The SCL-90 and the MMPI: a step in the validation of a new self-report scale. Derogatis LR, et al.
Br J Psychiatry 128:280–9, Mar 76
Letter: The Leeds Scales. Priest RG. **Br J Psychiatry** 128:508, May 76
Letter: Subjective age in chronic schizophrenia. Smith JM, et al. **Br J Psychiatry** 128:100, Jan 76
The Leeds scales for the self-assessment of anxiety and depression. Snaith RP, et al. **Br J Psychiatry** 128:156–65, Feb 76
The accuracy and correlates of psychiatric patients' self-assessment of their work behaviour. Griffiths RD.
Br J Soc Clin Psychol 14(2):181–9, Jun 75
Self-report of anxiety in imaginal desensitization. Watts FN.
Br J Soc Clin Psychol 15(2):211–2, Jun 76
Androgynous nurses. Simpson OW, et al. **Can Nurse** 71(12):20–1, Dec 75
The effects of cooperatively and competitively structured learning enironments on inter- and intrapersonal behavior. Crockenberg SB, et al. **Child Dev** 47(2):386–96, Jun 76
Self-evaluation, social reinforcement, and academic achievement of black and white schoolchildren. Katz I, et al. **Child Dev** 47(2):368–74, Jun 76
Self states and performances of preadolescent boys carrying out leadership roles inconsistent with their social status. Klinger E, et al. **Child Dev** 47(1):126–37, Mar 76
Visual orientation and self-perceptions of children in an external-cue-relevant or cue-irrelevant task situation. Ruble DN. **Child Dev** 46(3):669–76, Sep 75
Some comments on the significance and development of midline behavior during infancy. Sherick I, et al.
Child Psychiatry Hum Dev 6(3):170–83, Spring 76
Psychological effects of physical activity. Layman EM.
Exerc Sport Sci Rev 2:33–70, 1974 (172 ref.)
The role of attribution and self-perception in behavior change: implications for behavior therapy. Kopel S, et al.
Genet Psychol Monogr 92(Second Half):175–212, Nov 75
An observation on self-esteem as the linchpin of quality of life for the aged. An essay. Schwartz AN.
Gerontologist 15(5 PT 1):470–2, Oct 75
A dialectical approach to moral judgment and self-esteem. Meacham JA. **Hum Dev** 18(3):159–70, 1975
The cognitive-behavioral management of anxiety, anger, and pain. pp. 1–34. Meichenbaum D, et al.
In: Davidson PO, ed. The behavioral management of anxiety, depression and pain. New York, Brunner/Mazel, 1975. W3 BA203 1975b.
Comments on 'context and reflexivity'. pp. 175–80. Schuwer A.
In: Engelhardt HT Jr., Spicker SF, ed. Evaluation and explanation in the biomedical sciences. Dordrecht, Reidel, 1975. W3 PH609 v.1 1974.
Context and reflexivity: the genealogy of self. pp. 153–74. Zaner RM.
In: Engelhardt HT Jr., Spicker SF, ed. Evaluation and explanation in the biomedical sciences. Dordrecht, Reidel, 1975. W3 PH609 v.1 1974.
The measurement of psychological states: relationships between Gottschalk–Gleser Content Analysis scores and Hamilton Anxiety Rating Scale scores, Physician Questionnaire Rating Scale scores and Hopkins Symptom Checklist scores. pp. 61–113. Gottschalk LA, et al.
In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.
Psychological changes caused by the aging of the face: aging and the facial body image. pp. 13–9. Bernstein NR.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.
Communication and generation of emotion through essentic form. pp. 561–602. Clynes M.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975.
The measurement of emotion: psychological parameters and methods. pp. 439–67. Eysenck HJ.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975. (79 ref.)
The development of an inventory for the assessment of laryngectomee rehabilitation. pp. 273–7. La Borwit LJ.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
'Experience statements' of Alaskan native high school students. pp. 525–30. Bloom J, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.
Psychotherapy and the sense of mastery. pp. 47–56. Frank JD.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.
Psychological problems of the physically handicapped patient. Giddon DB, et al. **Int Dent J** 25(3):199–205, Sep 75 (29 ref.)
An analysis of the subjective marijuana experience. Adamec C, et al. **Int J Addict** 11(2):295–307, 1976
Reliability and validity of self-reported illegal activities and drug use collected from narcotic addicts. Amsel Z, et al.
Int J Addict 11(2):325–36, 1976
Hypnosis and mastery: clinical contributions and directions for research. Gardner GG. **Int J Clin Exp Hypn** 24(3):202–14, Jul 76
Relaxing and encouraging suggestions given to hospitalized chronic schizophrenics. Ihalainen O, et al.
Int J Clin Exp Hypn 24(3):228–37, Jul 76
Content considerations in group therapist self-disclosure. Dies RR, et al. **Int J Group Psychother** 26(1):71–88, Jan 76
Some further observations and comments on the earliest role of the father. Abelin EL. **Int J Psychoanal** 56(3):293–302, Aug 75
Some comments on the narcissistic aspects of self-righteousness: defensive and structural considerations. Lax RF. **Int J Psychoanal** 56(3):283–92, Aug 75
A narcissistic defence against affects and the illusion of self-sufficiency. Modell AH. **Int J Psychoanal** 56(3):275–82, Aug 75

Degree of pathology as related to readiness to accept labels in process and reactive schizophrenics. Johnson JE, et al. **Int J Soc Psychiatry** 21(4):292–6, Winter 75

Are children reliable reporters? Herjanic B, et al. **J Abnorm Child Psychol** 3(1):41–8, 1975

Facial attractiveness and personal-social development. Salvia J, et al. **J Abnorm Child Psychol** 3(3):171–8, 1975

Manipulation of self-esteem as a determinant of mood of elated and depressed women. Coleman RE. **J Abnorm Psychol** 84(6):693–700, Dec 75

Comparison of perceived and experienced control among alcoholics and nonalcoholics. Donovan DM, et al. **J Abnorm Psychol** 84(6):726–8, Dec 75

Learned helplessness and self-reported affect. Gatchel RJ, et al. **J Abnorm Psychol** 84(6):732–4, Dec 75

The self-study process. Pumerantz P. **J Am Osteopath Assoc** 75(2):227–30, Oct 75

The development of the sense of self. Lichtenberg JD. **J Am Psychoanal Assoc** 23(3):453–84, 1975

The development of paternal identity: a critical review of the literature on nurturance and generativity in boys and men. Ross JM. **J Am Psychoanal Assoc** 23(4):783–817, 1975 (126 ref.)

The analyst's own analysis. Shapiro D. **J Am Psychoanal Assoc** 24(1):5–42, 1976

A package deal for strengthening self-confidence. Stein C. **J Am Soc Psychosom Dent Med** 21(3):76–81, 1974

Self-recording in training girls to increase work and evoke staff praise in an institution for offenders. Seymour FW, et al. **J Appl Behav Anal** 9(1):41–54, Spring 76

Self-dissatisfaction as a determinant of change in police values. Sherrid SD, et al. **J Appl Psychol** 61(3):273–8, Jun 76

Locus of control and expectancies across multiple occupational levels. Szilagyi AD, et al. **J Appl Psychol** 60(5):638–40, Oct 75

Supervisors' perceptions of the relationship between therapist self-disclosure and clinical effectiveness. Anchor KN, et al. **J Clin Psychol** 32(1):158, Jan 76

Psychotherapy sabotage revisited: the better half of individual psychotherapy. Anchor KN, et al. **J Clin Psychol** 32(1):146–8, Jan 76

Relationships among locus of control, self-concept, and anxiety. Donovan DM, et al. **J Clin Psychol** 31(4):682–4, Oct 75

Relationship between distortions in self-perception of depression and psychopathology. Donovan DM, et al. **J Clin Psychol** 32(1):16–9, Jan 76

Prediction of self-actualization in male participants in a group conducted by female leaders. Follingstad DR, et al. **J Clin Psychol** 32(3):706–12, Jul 76

Perceived vulnerability to illness and the repression-sensitization dimension. Gayton WF, et al. **J Clin Psychol** 32(3):616–8, Jul 76

Self-esteem, locus of control, and approval motivation in married couples. Kawash GF, et al. **J Clin Psychol** 31(4):715–20, Oct 75

A study in childhood egocentricity. Kissel S. **J Clin Psychol** 31(4):646–8, Oct 75

Distortion in the perception of depression as a function of level of depression and denial. O'leary, MR, et al. **J Clin Psychol** 32(3):527–32, Jul 76

Significant increase in MMPI Mf scores within a state prison population. Panton JH. **J Clin Psychol** 32(3):604–6, Jul 76

Perception of self and significant others by alcoholics and nonalcoholics. Quereshi MY, et al. **J Clin Psychol** 32(1):189–94, Jan 76

Expectations, experiencing and change in psychotherapy. Richert AJ. **J Clin Psychol** 32(2):438–44, Apr 76

Factor-analytic structure of patient internal states. Saccuzzo DP. **J Clin Psychol** 32(1):129–35, Jan 76

The stimulation of insight and self-awareness through body-movement exercise. Schofield LJ Jr, et al. **J Clin Psychol** 31(4):745–6, Oct 75

Test purpose and test response in psychiatric patients and 'normal' students. Shackleton VJ. **J Clin Psychol** 32(2):253–8, Apr 76

Introversion-extraversion and topological representations of self and others. Tolor A. **J Clin Psychol** 31(4):662–3, Oct 75

The personal beliefs inventory: a factor-analytic study. Tosi DJ, et al. **J Clin Psychol** 32(2):322–7, Apr 76

Extraversion and reciprocation of interviewer disclosures. Becker JF, et al. **J Consult Clin Psychol** 43(4):593, Aug 75

Norms affecting self-disclosure in men and women. Derlega VJ, et al. **J Consult Clin Psychol** 44(3):376–80, Jun 76

Success, failure, and self-assessment ratings. Fry PS. **J Consult Clin Psychol** 44(3):413–9, Jun 76

Effect of knowledge about self-actualization on faking the Personal Orientation Inventory. Goldman JA, et al. **J Consult Clin Psychol** 44(4):680, Aug 76

Denial and self-image in stroke, lung cancer, and heart disease patients. Levine J, et al. **J Consult Clin Psychol** 43(6):751–7, Dec 75

Influence of motivational variables on the reactivity and reliability of self-recording. Lipinski D, et al. **J Consult Clin Psychol** 43(5):637–46, Oct 75

Interviewee disclosure as a function of interpersonal trust, task modeling, and interviewer self-disclosure. McAllister A, et al. **J Consult Clin Psychol** 43(3):428, Jun 75

Interview self-disclosure as a function of length of modeling and descriptive instructions. McGuire D, et al. **J Consult Clin Psychol** 43(3):356–62, Jun 75

Effects of various forms of relaxation training on physiological and self-report measures of relaxation. Reinking RH, et al. **J Consult Clin Psychol** 43(5):595–600, Oct 75

Self-concept change in behavior modification. Ryan VL, et al. **J Consult Clin Psychol** 44(4):638–45, Aug 76

Self-evaluation and assessments of performance by self and others. Shrauger JS, et al. **J Consult Clin Psychol** 44(4):564–72, Aug 76

Brief reports. Strickland BR, et al. **J Consult Clin Psychol** 43(4):587, Aug 75

MMPI performance, response set, and the 'self-concept hypothesis'. Taylor JB, et al. **J Consult Clin Psychol** 44(3):351–62, Jun 76

Sex-role self-concepts and life style plans of young women. Vogel SR, et al. **J Consult Clin Psychol** 43(3):427, Jun 75

Interpersonal and personal construct systems in psychopaths. Widom CS. **J Consult Clin Psychol** 44(4):614–23, Aug 76

Affective assessment, self-concept, and the verbal learning styles of fifth-grade children. August GJ, et al. **J Educ Psychol** 67(6):801–6, Dec 75

Attitudes, self-esteem, and learning in formal and informal schools. Groobman DE, et al. **J Educ Psychol** 68(1):32–5, Feb 76

Self-assessment in family practice. **J Fam Pract** 3(2):221–3, Apr 76

The distinction between self and not-self in children and adolescents. Dixon JC, et al. **J Genet Psychol** 127(Second Half):157–62, Dec 75

Manifest anxiety and self-concept: further investigation. Furlong A, et al. **J Genet Psychol** 127(Second Half):237–47, Dec 75

Locus of reinforcement control, self-image disparity, and self-acceptance: a replication. Lombardo JP, et al. **J Genet Psychol** 127(First Half):147–8, Sep 75

Individual adaptation in the middle years. A testing of faith in self and object constancy. Cath SH. **J Geriatr Psychiatry** 9(1):19–40, 1976

Black self-derogation and residential mobility. Kaplan HB. **J Health Soc Behav** 16(3):283–90, Sep 75

Relationship of social interest to internal-external control and self-actualization in young women. Hjelle LA. **J Individ Psychol** 31(2):171–4, Nov 75

The self-esteem motive and change in self-attitudes. Kaplan HB. **J Nerv Ment Dis** 161(4):265–75, Oct 75

Daydream patterns and self-awareness in psychiatric patients. Starker S, et al. **J Nerv Ment Dis** 161(5):313–7, Nov 75

Anxiety, self-concept, and personal and social adjustments in children with sickle cell anemia. Kumar S, et al. **J Pediatr** 88(5):859–63, May 76

The need for approval and the private versus public disclosure of self. Cravens RW. **J Pers** 43(3):503–14, Sep 75

Self-image disparity, repression-sensitization, and extraversion-introversion: a unitary dimension? Bauer SR, et al. **J Pers Assess** 40(1):46–51, Feb 76

Figure drawing as an expression of self-esteem. Coopersmith S, et al. **J Pers Assess** 40(4):370–5, Aug 76

Face validity of test and acceptance of generalized personality interpretations. Delprato DJ. **J Pers Assess** 39(4):345–8, Aug 75

Sociopathy, self-actualization, and time. Getsinger SH. **J Pers Assess** 40(4):398–402, Aug 76

Self-derogation and defense style in college students. Rios-Garcia LR, et al. **J Pers Assess** 39(3):273–81, Jun 75

Self-other orientations and the Edwards Personal Preference Schedule. Santee RT. **J Pers Assess** 39(3):293–6, Jun 75

The measurement of self-actualization: a critical review of the Personal Orientation Inventory. Tosi DJ, et al. **J Pers Assess** 39(3):215–24, Jun 75

Time experiences, self-actualizing values, and creativity. Yonge GD. **J Pers Assess** 39(6):601–6, Dec 75

Causal priority of social desirability over self-concept: a cross-lagged correlation analysis. Arlin M. **J Pers Soc Psychol** 33(3):267–72, Mar 76

Influence of denial (situation redefinition) and projection on anxiety associated with threat to self-esteem. Bennett DH, et al. **J Pers Soc Psychol** 32(5):915–21, Nov 75

Self-perception of intrinsic and extrinsic motivation. Calder BJ, et al. **J Pers Soc Psychol** 31(4):599–605, Apr 75

Effects of initial request size and timing of a second request on compliance: the foot in the door and the door in the face. Cann A, et al. **J Pers Soc Psychol** 32(5):774–82, Nov 75

Interpersonal attraction and rewarding aspects of disclosure content and level. Daher DM, et al. **J Pers Soc Psychol** 33(4):492–6, Apr 76

Effects of prior destructive behavior, anonymity, and group presence on deindividuation and aggression. Diener E. **J Pers Soc Psychol** 33(5):497–507, May 76

The phenomenology of being a target of prejudice. Dion KL, et al. **J Pers Soc Psychol** 32(5):944–50, Nov 75

Effects of self-esteem and expected duration of interaction on liking for a highly rewarding partner. Friedman HS. **J Pers Soc Psychol** 33(6):686–90, Jun 76

Learned helplessness, depression, and the attribution of failure. Klein DC, et al. **J Pers Soc Psychol** 33(5):508–16, May 76

Causal attributions as a function of locus of control, initial confidence, and performance outcomes. Lefcourt HM, et al. **J Pers Soc Psychol** 32(3):391–7, Sep 75

Self-concept and attraction for similar and dissimilar others. Leonard RL Jr. **J Pers Soc Psychol** 31(5):926–9, May 75

Trait salience in the spontaneous self-concept. McGuire WJ, et al. **J Pers Soc Psychol** 33(6):743–54, Jun 76

Long-term value change initiated by computer feedback. Rokeach M. **J Pers Soc Psychol** 32(3):467–76, Sep 75

Perseverance in self-perception and social perception: biased attributional processes in the debriefing paradigm. Ross L, et al. **J Pers Soc Psychol** 32(5):880–92, Nov 75

Self-presentation: managing the impression of consistency when reality interferes with self-enhancement. Schlenker BR. **J Pers Soc Psychol** 32(6):1030–7, Dec 75

Effects of control and predictability on the physical and psychological well-being of the institutionalized aged. Schulz R. **J Pers Soc Psychol** 33(5):563–73, May 76

Egotism and attribution. Snyder ML. **J Pers Soc Psychol** 33(4):435–41, Apr 76

Ratings of self and peers on sex role attributes and their relation to self-esteem and conceptions of masculinity and femininity. Spence JT, et al. **J Pers Soc Psychol** 32(1):29–39, Jul 75

An experimental study of crowding: effects of room size, intrusion, and goal blocking on nonverbal behavior, self-disclosure, and self-reported stress. Sundstrom E. **J Pers Soc Psychol** 32(4):645–54, Oct 75

The perception of self and others: acquaintanceship, affect, and actor-observer differences. Taylor SE, et al. **J Pers Soc Psychol** 33(4):403–8, Apr 76

Differentiation of affective and denotative meaning systems and their influence in personality ratings. Tzeng OC. **J Pers Soc Psychol** 32(6):978–88, Dec 75

Self-disclosure: an attributional perspective. Wortman CB, et al. **J Pers Soc Psychol** 33(2):184–91, Feb 76

Informational determinants of females' self-attributions and observers' judgments of them in an achievement situation. Wyer RS Jr, et al. **J Pers Soc Psychol** 32(3):556–70, Sep 75

Self-image and its relation to denture acceptance. Silverman S, et al. **J Prosthet Dent** 35(2):131–41, Feb 76

Reliability and validity of information from chronic heroin users. Maddux JF, et al. **J Psychiatr Res** 12(2):87–95, Aug 75

The relationship of personality traits as measured in the questionnaire medium and by self-ratings. Burdsal CA Jr, et al. **J Psychol** 91(Second Half):173–82, Nov 75

Linguistic nonimmediacy and self-presentation. Conville RL. **J Psychol** 90(Second Half):219–27, Jul 75

Social decentering and locus of control in children. Deysach RE, et al. **J Psychol** 90(Second Half):229–35, Jul 75

The effects of instructions on self-disclosure. Fantasia SC, et al. **J Psychol** 91(Second Half):183–6, Nov 75

Sex differences in preadolescent self-esteem. Fein D, et al. **J Psychol** 90(Second Half):179–83, Jul 75

The effects of experimentally induced changes in self-concept on associative learning. Muller D, et al. **J Psychol** 92(first half):89–95, Jan 76

Relationship of self-concepts of three-, four-, and five-year-old children with mother, father, and teacher percepts. White WF, et al. **J Psychol** 92(Second Half):191–4, Mar 76

Relationships between anxiety, depression self-ratings and CHD risk factors among obese, normal and lean individuals. Segers MJ, et al. **J Psychosom Res** 20(1):25–35, 1976

The effect of individual contracting and guided group interaction upon behavior disordered youth's self-concept. Brown W, et al. **J Sch Health** 45(7):399–401, Sep 75

Do boys with a low-average I.Q. actually have a low self-esteem? Opie N, et al. **J Sch Health** 45(7):381–5, Sep 75

Counterattitudinal and proattitudinal advocacy in the forced compliance paradigm: a test of self-perception theory. Apsler R. **J Soc Psychol** 98(First Half):61–8, Feb 76

Self-concept support and friendship duration. Bailey RC, et al. **J Soc Psychol** 96(Second Half):237–43, Aug 75

The utility of verbal models in changing self-esteem of institutionalized Thai and American adolescents. Bekanan P, et al. **J Soc Psychol** 96(Second Half):155–61, Aug 75

The self-esteem inventory and the Oglala Sioux: a validation study. Cress JN, et al. **J Soc Psychol** 97(First Half):135–6, Oct 75

Demand characteristics and disclosure reciprocity. Derlega VI, et al. **J Soc Psychol** 97(Second Half):301–2, Dec 75

Role playing versus deception: the ability of subjects to simulate self-report and physiological responses. Houston BK, et al. **J Soc Psychol** 96(First Half):91–8, Jun 75

Ethnicity of subject and test administrator: their effect on self-esteem. Little J, et al. **J Soc Psychol** 99(1):149–50, Jun 76

Handwriting and self-presentation. Loewenthal K. **J Soc Psychol** 96(Second Half):267–70, Aug 75

Participants' perceptions of themselves and leaders in two kinds of group experience. Morrison TL, et al. **J Soc Psychol** 98(First Half):103–10, Feb 76

The acceptance of generalized personality interpretations. Orpen C, et al. **J Soc Psychol** 96(First Half):147–8, Jun 75

Racial self-identification and self-concept by means of unobtrusive measures. Smith DM, et al. **J Soc Psychol** 98(Second Half):221–8, Apr 76

Self-disclosure and stress among Middle-Eastern university students. Starr PD. **J Soc Psychol** 97(First Half):141–2, Oct 75

Blood alcohol level discrimination by nonalcoholics. The role of internal and external cues. Huber H, et al. **J Stud Alcohol** 37(1):27–39, Jan 76

Self-reported coping behavior of wives of alcoholics and

its association with drinking outcome. Orford J, et al. **J Stud Alcohol** 36(9):1254–67, Sep 75

Group therapy and changes in the self–concept of alcoholics. Tomsovic M. **J Stud Alcohol** 37(1):53–7, Jan 76

Is it obvious why patients ask questions? Glaser JR. **JAMA** 235(12):1223–4, 22 Mar 76

Evaluation of quality of life in patients receiving treatment for advanced breast cancer. Priestman TJ, et al. **Lancet** 1(7965):899–900, 24 Apr 76

Self–descriptions of applicants to medical school. Walton HJ, et al. **Med Educ** 10(1):10–4, Jan 76

The validity of self–perceptions regarding physical and athletic ability. Sonstroem RJ. **Med Sci Sports** 8(2):126–32, Summer 76

Becoming mentally retarded in a Hawaiian school. Edgerton RB, et al. **Monogr Am Assoc Ment Defic** (1):211–33, 1973

Self images of the elderly. Lee RJ. **Nurs Clin North Am** 11(1):119–24, Mar 76

Effect of acquisition of knowledge on self–evaluation and the relationship of self–evaluation to perception of real and ideal self–concept. Huckabay LM, et al. **Nurs Res** 25(4):244–51, Jul–Aug 76

Relationships among perceptual–motor, self–concept, and academic measures for children in kindergarten, grades one and two. Cobb PR, et al. **Percept Mot Skills** 41(2):539–46, Oct 75

Body perception upon awakening. Fisher S. **Percept Mot Skills** 43(1):275–8, Aug 76

Psychological dynamics and self–perceptions of vasectomy candidates. Hamersma RJ, et al. **Percept Mot Skills** 40(3):1004–6, Jun 75

Effects of relaxation training upon physiological and self–report indices. Janda LH, et al. **Percept Mot Skills** 42(2):444, Apr 76

Relationship of autonomous imagery and creative self–perceptions. Khatena J. **Percept Mot Skills** 40(2):357–8, Apr 75

Relationship of non–verbal rigidity and creative perceptions. Khatena J, et al. **Percept Mot Skills** 40(3):789–90, Jun 75

Creative perceptions of Hungarian and American Students. Khatena J, et al. **Percept Mot Skills** 41(3):901–2, Dec 75

On attributing fictitious cardiac responses. Liebhart EH. **Percept Mot Skills** 43(1):202, Aug 76

Interest in entering helping activities and self–disclosure to three targets on the Jourard self–disclosure scale. Lombardo JP, et al. **Percept Mot Skills** 42(1):299–302, Feb 76

Self–concept and participation in children's gymnastics. Maul T, et al. **Percept Mot Skills** 41(3):701–2, Dec 75

Some personality correlates of self–rated academic success. Mehryar AH, et al. **Percept Mot Skills** 40(3):1007–10, Jun 75

Indian students' perceptions of the ideal self, the ideal leader, the ideal teacher, Indira Gandhi and the business executive. Merenda PF, et al. **Percept Mot Skills** 40(2):611–5, Apr 75

Field dependence–independence and self–esteem in pre–adolescent children. Pawelkiewicz WM, et al. **Percept Mot Skills** 41(1):41–2, Aug 75

Perceptions of height and self–esteem. Prieto AG, et al. **Percept Mot Skills** 40(2):395–8, Apr 75

Psychological dynamics and self–perceptions of persons with essential hypertension. Stratoudakis JP, et al. **Percept Mot Skills** 42(2):360–2, Apr 76

Effects of framed spectacles and contact lenses on self–ratings of facial attractiveness. Terry RL, et al. **Percept Mot Skills** 42(3):789–90, Jun 76

Electromyograph responses and performance success estimates as a function of internal–external control. Vogt AT. **Percept Mot Skills** 41(3):977–8, Dec 75

Self–disclosure in friendship. Walker LS, et al. **Percept Mot Skills** 42(3):735–42, Jun 76

Self–concept: a cross–cultural study. Weinland TP, et al. **Percept Mot Skills** 42(1):43–6, Feb 76

Creative process and its relation to sense of self, separateness, and reality. McDonagh MJ. **Perspect Psychiatr Care** 14(2):68–74, Apr–Jun 76

The expanding classroom trends and issues in postgraduate medicine. Why self–assessment? Hess KM, et al. **Postgrad Med** 59(1):203–4,206,208 passim, Jan 76

Communicational and interactional aspects of self–disclosure in psychotherapy: differences related to cognitive style. Sousa–Poza JF, et al. **Psychiatry** 39(1):81–91, Feb 76

Comparison of rehospitalized and nonrehospitalized psychiatric patients on community adjustment: self–assessment guide. Willer B, et al. **Psychiatry** 39(3):239–44, Aug 76

A note on internalization as process. Meissner WW. **Psychoanal Q** 45(3):374–93, Jul 76

Psychological alienation: isolation and self–estrangement. Johnson F. **Psychoanal Rev** 62(3):369–405, Fall 75

Responses to evaluation as a function of initial self–perceptions. Shrauger JS. **Psychol Bull** 82(4):581–96, Jul 75 (90 ref.)

Factor analysis of objective and subjective characteristics of a night's sleep. Johns MW. **Psychol Med** 5(4):413–8, Nov 75

Projection: perceptions of causal responsibility and relative worth. Bowerman WR. **Psychol Rep** 37(2):363–70, Oct 75

Disclosure of problems and tensions experienced by marital partners. Burke RJ, et al. **Psychol Rep** 38(2):531–42, Apr 76

A multidimensional look at sex and target differences in disclosure. Chelune GJ. **Psychol Rep** 39(1):259–63, Aug 76

Measurement of self–disclosure: note on format and content of items. Daher DM, et al. **Psychol Rep** 38(3 Pt 2):1255–6, Jun 76

Relationship between generalized expectancies for control and experienced control among alcoholics. Donovan DM, et al. **Psychol Rep** 37(3 PT 2):1171–6, Dec 75

Correlations between Coopersmith's self–esteem inventory and the California Test of Personality for children in grades four and six. Dorr D, et al. **Psychol Rep** 39(.):221–2, Aug 76

Congruent self–concepts and psychological health of college students. Doyle JA. **Psychol Rep** 38(3 Pt 2):1257–8, Jun 76

Self–disclosure among friends, acquaintances, and strangers. Gaebelein JW. **Psychol Rep** 38(3 pt. 1):967–70, Jun 76

Differences between blacks' and whites' expectations of control by chance and powerful others. Garcia C, et al. **Psychol Rep** 37(2):563–6, Oct 75

Social comparison and effect of discrimination among levels of originality on self–assessed originality. Hood RW Jr, et al. **Psychol Rep** 38(2):439–46, Apr 76

Evidence for a nonlinear relationship between self–disclosure and self–actualization. Kinder BM. **Psychol Rep** 38(2):631–4, Apr 76

Sex composition of groups and pattern of self–disclosure by high school females. Kraft LW, et al. **Psychol Rep** 37(3 Pt 1):733–4, Dec 75

In defense of psychological territory. Larwood L, et al. **Psychol Rep** 37(2):421–2, Oct 75

Effects of sex, birth order, target's relationship and target's sex on self–disclosure by college students. Lord CG, et al. **Psychol Rep** 37(3 PT 2):1167–70, Dec 75

Sex differences and relationship between repression–sensitization and self–disclosure. Oles HJ. **Psychol Rep** 37(3 Pt 1):920, Dec 75

Self–acceptance in females as a function of academic achievement. Pinson CB, et al. **Psychol Rep** 38(3 pt. 1):853–4, Jun 76

Age differences in racial self–identity of young black girls. Roberts A, et al. **Psychol Rep** 37(3 PT 2):1263–6, Dec 75

Preliminary study of perceived self–disclosure. Rogers R, et al. **Psychol Rep** 38(3 Pt 2):1334, Jun 76

Multidimensionality of locus of control and self–esteem. Ryckman RM, et al. **Psychol Rep** 37(3 Pt 1):786, Dec 75

Multiple measurement of anxiety and its effects on complex verbal learning. Salter CA, et al. **Psychol Rep** 38(3 pt. 1):691–4, Jun 76

Self–reported masculinity–femininity as related to self–esteem. Sappenfield BR, et al. **Psychol Rep** 37(2):669–70, Oct 75

Actor–observer differences in perceived locus of control. Scharf S, et al. **Psychol Rep** 38(2):420–2, Apr 76

Personality adjustment as a function of interaction between locus of evaluation and tolerance of ambiguity. Shavit H. **Psychol Rep** 37(3 PT 2):1204–6, Dec 75

Self–concept and job satisfaction. Snyder CD, et al. **Psychol Rep** 38(2):603–10, Apr 76

Rating intimacy of self–disclosure. Strassberg DS, et al. **Psychol Rep** 37(2):562, Oct 75

Nine–year cross–sectional study of change in self–concepts of college freshmen. Vidoni DO. **Psychol Rep** 38(2):675–8, Apr 76

Self–evaluation and suicide potential. Wenz FV. **Psychol Rep** 39(1):289–90, Aug 76

Level of self–esteem and size of human figure drawing as a function of group vs individual administration. Wilee CT, et al. **Psychol Rep** 39(1):130, Aug 76

Sources of self–esteem and the person X situation controversy. Wilson JP, et al. **Psychol Rep** 38(2):355–8, Apr 76

Pregnant women's ratings of different factors influencing psychological stress during pregnancy. Yamamoto KJ, et al. **Psychol Rep** 39(1):203–14, Aug 76

Voluntary control of electrodermal activity in relation to imagery and internal perception scores. Ikeda Y, et al. **Psychophysiology** 13(4):330–3, Jul 76

Auditory analgesia: somatosensory evoked response and subjective pain rating. Lavine R, et al. **Psychophysiology** 13(2):140–8, Mar 76

The effect of varying stimulus parameters on judgments of nociceptive electrical stimulation. Price KP, et al. **Psychophysiology** 12(6):663–6, Nov 75

Interpersonal problems in narcolepsy. Salzman C. **Psychosomatics** 17(1):49–51, 1976

Personality and biographical traits of superior and average college basketball officials. Fr[illegible]zke MR. **Res Q Am Assoc Health Phys Educ** 46(4):484–8, Dec 75

Self–actualization and self–concept among athletes. Ibrahim H, et al. **Res Q Am Assoc Health Phys Educ** 47(1):68–79, Mar 76

Effects of perceptual–motor training on preschool children: a multivariate approach. Thomas JR, et al. **Res Q Am Assoc Health Phys Educ** 46(4):505–13, Dec 75

Normative structure and health: a socio–environmental adaptation model. Eshleman RF, et al. **Soc Sci Med** 9(11–12):665–72, Nov–Dec 75

Self–attitudes and suicidal behavior. Kaplan HB, et al. **Suicide** 6(1):23–35, Spring 76

[Effects of sensory deprivation as hostages] **Ned Tijdschr Geneeskd** 120(2):73–4, 10 Jan 76 **(Dut)**

Dimensions of Rosenburg's self–esteem scale. Hensley WE, et al. **Psychol Rep** 38(2):583–4, Apr 76 **(eng)**

[How alcohol and drug consumers see themselves: a personal and social self–assessment (author's transl)] Heil D, et al. **Arch Psychiatr Nervenkr** 221(4):345–60, 22 Jun 76 (Eng. Abstr.) **(Ger)**

[Method dependency of determining intra– and interindividual differences in the self concept] Simons H, et al. **Arch Psychol (Frankf)** 127(3–4):220–37, 1975 (Eng. Abstr.) **(Ger)**

[Significance of the self–image and of the perceived parental image for the problem of delinquency] Trautner HM, et al. **Arch Psychol (Frankf)** 127(1–2):116–30, 1975 (Eng. Abstr.) **(Ger)**

[Significance of social role behavior for the beginning and course of manic–depressive psychoses] pp. 101–6. Kraus A. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**

[The feeling of worthiness and hysterectomy] Wenderlein JM. **Med Welt** 27(14):659–60, 2 Apr 76 **(Ger)**

['Taking offense' as seen in depth–psychology (author's transl)] Zander W. **Psychother Med Psychol (Stuttg)** 26(1):1–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Self evaluation and objective dental findings] Landeck E, et al. **Stomatol DDR** 25(9):630–5, Sep 75 **(Ger)**

[Experiment on the autodescriptive judging of depressive symptoms in groups of patients with psychopathology] Steinmeyer EM. **Z Exp Angew Psychol** 22(2):290–315, 1975 (Eng. Abstr.) **(Ger)**

[Desire and self–worth] Trenkel A. **Z Klin Psychol Psychother** 23(3):224–31, 1975 (Eng. Abstr.) **(Ger)**

[Subjective stress and childhood memories in patients with essential hypertension] Weyer G, et al. **Z Klin Psychol Psychother** 24(1):76–88, 1976 (Eng. Abstr.) **(Ger)**

[Integrationism versus nonconformism. Two slogans and two programs] Bodenheimer AR. **Z Psychosom Med Psychoanal** 22(2):198–205, Apr–Jun 76 (Eng. Abstr.) **(Ger)**

[Self image and defense mechanisms in young drug addicts] Stahl CD. **Z Psychosom Med Psychoanal** 21(2):151–64, Apr–Jun 75 (Eng. Abstr.) **(Ger)**

[Neuropsychic self–regulation by means of autogenic training] Lobzin VS. **Voen Med Zh** (9):39–41, Sep 75 (20 ref.) **(Rus)**

SELF DISCLOSURE see under **SELF CONCEPT**

SELF–HELP DEVICES

Bilateral lower extremity dressing frame. Adams IL. **Am J Occup Ther** 29(9):547–50, Oct 75

A simple headstick for cerebral–palsied children. Hunsinger KW. **Am J Occup Ther** 30(8):506, Sep 76

CHRC eating aid. Nelson CE, et al. **Am J Occup Ther** 29(6):362, Jul 75

Prism glasses clip–on adapter. Rude VG. **Am J Occup Ther** 29(10):631, Nov–Dec 75

The sandwich holder. Weiss D, et al. **Am J Occup Ther** 30(6):384, Jul 76

Cloran telescoping oral orthosis. Materson RS, et al. **Arch Phys Med Rehabil** 56(9):409–13, Sep 75

An aid for the manipulation of partial dentures by handicapped patients. Price PA. **Aust Dent J** 19(6):420–2, Dec 74

A page turner and reading stand for the physically handicapped. Crabb JJ, et al. **Br Dent J** 140(5):183–4, 2 Mar 76

New head control for quadriplegic patients. Sherman ED, et al. **Bull Prosthet Res** :151–7, Spring 75

Mobility aids for the paraplegic child. Letts RM, et al. **J Bone Joint Surg [Am]** 58(1):38–41, Jan 76

Letter: Mouth–operated devices for handicapped persons. Watson AO. **J Prosthet Dent** 35(6):693–4, Jun 76

Mouth–operated devices for handicapped persons. Zalkind M, et al. **J Prosthet Dent** 34(6):652–8, Dec 75

Editorial: possums and other devices. **Med J Aust** 2(21):786–7, 22 Nov 75

Forearm rest attachment as an aid to standing. Cascolan D. **Phys Ther** 55(9):991–2, Sep 75

Two–wheeled shopping cart. An inexpensive aid to ambulation. Garn SN, et al. **Phys Ther** 56(3):308, Mar 76

INSTRUMENTATION

Application of engineering principles in management of spinal cord injured patients. Reswick JB, et al. **Clin Orthop** (112):124–9, Oct 75

SELF MEDICATION

Compliance and self–medication in cystic fibrosis. Meyers A, et al. **Am J Dis Child** 129(9):1011–3, Sep 75

Teaching cardiac patients to manage medications. Deberry P, et al. **Am J Nurs** 75(12):2191–3, Dec 75

Safe self–medication for elderly outpatients. Schwartz D. **Am J Nurs** 75(10):1808–10, 1822, Oct 75

The use of anabolic steroids in top Swedish athletes. Ljungqvist A. **Br J Sports Med** 9(2):82, Jul 75

The use of anabolic steroids in top Swedish athletes. Ljungqvist A. **Br J Sports Med** 9(2):82, Jul 75

Patient error in use of bronchidilator metered aerosols. OPREHEK J, et al. **Br Med J** 1(6001):76, 10 Jan 76

Letter: Corticosteroids contained in Mexican cures for arthritis and asthma. Blackburn JL, et al. **Can Med Assoc J** 114(4):299, 302, 21 Feb 76

Letter: Bromide intoxication. Schapira DV. **Can Med Assoc J** 115(2):116, 17 Jul 76

Self-medication with mood changing drugs. Grahame-Smith DG. **J Med Ethics** 1(3):132-7, Sep 75

Self-medication in a small community. Jones RV. **J R Coll Gen Pract** 26(167):410-3, Jun 76

Analgesic cystitis: an unusual microangiopathy of the bladder. Hesse VE, et al. **J Urol** 116(2):176-7, Aug 76

[Is there a possibility for gonorrhea patients who cured themselves with peroral penicillin to escape medical evidence] Danda J, et al. **Cesk Dermatol** 50(6):388-91, Dec 75 (Eng. Abstr.) **(Cze)**

[Self-treatment by patients prior to consultation with general practitioner] Pedersen PA. **Ugeskr Laeger** 138(32):1955-61, 2 Aug 76 (Eng. Abstr.) **(Dan)**

[Perinatal anesthesia consultation] Barrier G, et al. **Agressologie** 17(3):155-8, 1976 (Eng. Abstr.) **(Fre)**

[Chronic arsenic poisoning due to self-medication] Gaultier M, et al. **Med Leg Dommage Corpor** 7(4):360-3, Oct-Dec 74 (Eng. Abstr.) **(Fre)**

[Treat.nent of hemophilia by self-infusion: clinical and psychological approach (author's transl)] Allain JP, et al. **Nouv Rev Fr Hematol** 15(1):147-58, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Social status and use of vitamin preparations, iron preparations and drugs] Christie V. **Tidsskr Nor Laegeforen** 95(22):1216-8, 10 Aug 75 (Eng. Abstr.) **(Nor)**

[Faulty administration of aerosol dose] Langaker OM. **Tidsskr Nor Laegeforen** 96(13):767-8, 10 May 76 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

[Extended cutaneous necroses after self-medication of abrasion wounds with Pectocor-ointment] Sawatzki T, et al. **Z Aerztl Fortbild (Jena)** 69(23):1219-21, 1 Dec 75 **(Ger)**

SELF MUTILATION

Factitious affections in dermatology. Van Moffaert M. **Arch Belg Dermatol** 30(4):221-4, Oct-Dec 74

Self-mutilation, obsessionality and narcissism. Gardner AR, et al. **Br J Psychiatry** 127:127-32, Aug 75

Self-inflicted injury: a follow-up study of 43 patients. Sneddon I, et al. **Br Med J** 3(5982):527-30, 30 Aug 75

Female genital self-mutilation, dysorexia and the hysterical personality: the Caenis Syndrome. Goldney RD, et al. **Can Psychiatr Assoc J** 20(6):435-41, Oct 75

The phenomenology of self-mutilation in a general hospital setting. Simpson MA. **Can Psychiatr Assoc J** 20(6):429-34, Oct 75

Manipulation of potential punishment parameters in the treatment of self-injury. Griffin JC, et al. **J Appl Behav Anal** 8(4):458, Winter 75

Self-inflicted complication in an accident case. Fischer HM. **J Med Soc NJ** 73(3):244-5, Mar 76

Self-induced colitis. Byrne JS, et al. **Postgrad Med J** 51(594):246-9, Apr 75

[A case of ocular automutilation in children] Marx P, et al. **Bull Soc Ophtalmol Fr** 74(3):343-8, Mar 74 **(Fre)**

[Report on a case of self castration] Nette R. **Dermatol Wochenschr** 161(9):717-21, Sep 75 **(Ger)**

[Lesch-Nyhan syndrome without self-mutilation: biochemical and morphological studies on blood cells (author's transl)] Schneider W, et al. **Dtsch Med Wochenschr** 101(5):167-72, 30 Jan 76 (Eng. Abstr.) **(Ger)**

[2 cases of trichotillomania] Szonn G. **Prax Kinderpsychol Kinderpsychiatr** 24(1):10-8, Jan 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Unusual sequelae of a self-inflicted injury: straying of a needle in the coronary vessel system of the heart] Balogh I, et al. **Arch Kriminol** 157(5-6):165-71, May-Jun 76 **(Ger)**

DIAGNOSIS

Prosser White Oration 1975. Dermatitis artefacta in relation to the syndrome of contrived disease. Lyell A. **Clin Exp Dermatol** 1(2):109-26, Jun 76 (78 ref.)

[2 unusual cases of artefacts in dermatology] Pejchalová M. **Cesk Dermatol** 50(4):255-60, Aug 75 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Self-injurious behavior in schizophrenic and retarded children. Frankel F, et al. **Am J Ment Defic** 80(5):512-22, Mar 76

Self-enucleation and psychosis. Report of two cases and discussion. MacLean G, et al. **Arch Gen Psychiatry** 33(2):242-9, Feb 76 (Eng. Abstr.)

Self-mutilation in Soviet prisons. Yaroshevsky F. **Can Psychiatr Assoc J** 20(6):443-6, Oct 75

Self-mutilation in a case of 49, XXXXY chromosomal constitution. Korten JJ, et al. **J Ment Defic Res** 19(1):63-71, Mar 75

OCCURRENCE

Self-poisoning and self-injury in the Oxford area. Epidemiological aspects 1969-73. Bancroft JH, et al. **Br J Prev Soc Med** 29(3):170-7, Sep 75

Self-injury in London, Canada: a prospective study. Johnson FG, et al. **Can J Public Health** 66(4):307-16, Jul-Aug 75

PREVENTION & CONTROL

Comparison of three procedures in reducing self-injurious behavior. Lucero WJ, et al. **Am J Ment Defic** 80(5):548-54, Mar 76

Eliminating self-injurious behavior by educative procedures. Azrin NH, et al. **Behav Res Ther** 13(2-3):101-11, Jun 75

Extinction, DRO, and response-cost procedures for eliminating self-injurious behavior: a case study. Myers DV. **Behav Res Ther** 13(2-3):189-91, Jun 75

Stimulus control of self-destructive behavior in a psychotic child. Carr EG, et al. **J Abnorm Child Psychol** 4(2):139-53, 1976

Severe self-injurious behavior: the problem of clinical control. Romanczyk RG, et al. **J Consult Clin Psychol** 43(5):730-9, Oct 75

Aversion for the treatment of self-injurious behaviour. Corbett J. **J Ment Defic Res** 19(2):79-95, Jun 75 (78 ref.)

Intra-subject controlled time-out (social isolation) in the modification of self-injurious behaviour. Duker P. **J Ment Defic Res** 19(2):107-12, Jun 75

Reversal of a severe case of self-mutilation. Muttar AK, et al. **J Ment Defic Res** 19(1):3-9, Mar 75

The control of self-mutilating behavior with positive reinforcement. Ragain RD, et al. **Ment Retard** 14(3):22-5, Jun 76

Reduction of self-destructive behavior by overcorrection. Freeman BJ, et al. **Psychol Rep** 37(2):446, Oct 75

VETERINARY

Problem behavior in dogs. Self-mutilation. Campbell WE. **Mod Vet Pract** 57(2):127-8, Feb 76

SELF PERCEPTION see under **SELF CONCEPT**

SELF STIMULATION

Generalization and persistence of effects of exposure to self-reinforcement models. Lepper MR, et al. **Child Dev** 46(3):618-30, Sep 75

Psychoanalytic concepts and brain stimulation: a consideration of relevance. pp. 1-23. Glusman M. **In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.** (56 ref.)

Psychoanalytic concepts and brain stimulation: further considerations of relevance. pp. 25-35. Kelly DD. **In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.** (42 ref.)

Vagal influences on hypothalamic self-stimulation in the cat. Angyán L. **Life Sci** 17(2):289-92, 15 Jul 75

Brain reward and aversion systems in the control of feeding and sexual behavior. Hoebel BG. **Nebr Symp Motiv** 22:49-112, 1975 (194 ref.)

Intracranial self-stimulation pathways as substrate for memory consolidation. Routtenberg A. **Nebr Symp Motiv** 22:161-82, 1975 (55 ref.)

Norepinephrine reward pathways: role of self-stimulation, memory consolidation, and schizophrenia. Stein L. **Nebr Symp Motiv** 22:113-59, 1975 (105 ref.)

Effects of diazepam and phenobarbital on self-stimulation in posterior hypothalamic and preoptic regions and on the thermoregulatory responses to rewarding brain stimulation. Olds ME, et al. **Neuropharmacology** 15(2):103-15, Feb 76

Effectiveness of morphine and ineffectiveness of diazepam and phenobarbital on the motivational properties of hypothalamic self-stimulation behaviour. Olds ME. **Neuropharmacology** 15(2):117-31, Feb 76

Catecholamines and self-stimulation: evidence suggesting a reinforcing role for noradrenaline and a motivating role for dopamine. Herberg LJ, et al. **Pharmacol Biochem Behav** 4(5):575-82, May 76

Hyperthermia following self-stimulation of the median raphe in the rat. Miliaressis E, et al. **Pharmacol Biochem Behav** 4(4):477-9, Apr 76

Is the release of noradrenaline necessary for self-stimulation of the brain? Shaw SG, et al. **Pharmacol Biochem Behav** 4(4):375-9, Apr 76

Assessing the aversiveness of intracranial stimulation. Atrens DM, et al. **Psychopharmacologia** 44(2):159-63, 31 Oct 75

Methamphetamine self-administration in the cat. Balster RL, et al. **Psychopharmacologia** 46(3):229-33, 15 Apr 76

Norepinephrine and serotonin: specificity of release with rewarding electrical stimulation of the brain. Holloway JA. **Psychopharmacologia** 42(2):127-34, 28 May 75

Effects of heroin on lever pressing for intracranial self-stimulation, food and water in the rat. Koob GF, et al. **Psychopharmacologia** 42(3):231-4, 19 Jun 75

Self-administration of CNS stimulants by dog. Risner ME, et al. **Psychopharmacologia** 43(3):207-13, 17 Sep 75

[Model representation of rat motor behavior during electrical self-stimulation of the brain. I. Brief review of experimental data. Formal model] Berdashkevich AP, et al. **Biofizika** 20(4):731-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Model representation of rat motor behavior during electric self stimulation of the brain. II. Concretization of function shape. Comparison with experiment] Berdashkevich AP, et al. **Biofizika** 20(5):931-5, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Hypothalamic autostimulation in rats at low frequencies of stimulation on the basis of locomotion] Berdashkevich AP. **Biull Eksp Biol Med** 79(4):6-9, Apr 75 (Eng. Abstr.) **(Rus)**

[The role of biological needs in the genesis of self stimulation] Grigor'ian GA. **Zh Vyssh Nerv Deiat** 25(5):987-94, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The relationship between the frequency of self-stimulation and parameters of the stimulus] Grigor'ian GA, et al. **Zh Vyssh Nerv Deiat** 26(1):111-9, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Bidirectional modification of hypothalamic self-stimulation by noradrenaline in the cat. Angyán L, et al. **Acta Physiol Acad Sci Hung** 45(1-2):139-43, 1974

The effect of microinjections of morphine and haloperidol into the neostriatum and the nucleus accumbens on self-stimulation behaviour. Broekkamp CL, et al. **Arch Int Pharmacodyn Ther** 217(1):110-7, Sep 75

The effects of dexetimide on pimozide-, haloperidol- and pipamperone-induced inhibition of brain self-stimulation in rats. Wauquier A, et al. **Arch Int Pharmacodyn Ther** 217(2):280-92, Oct 75

Lack of tolerance or sensitization to the effects of chronic d-amphetamine on substantia nigra self-stimulation. Liebman JM, et al. **Behav Biol** 16(2):211-20, Feb 76

Long-term deficits in stimulation-induced behaviors and self-stimulation after 6-hydroxydopamine administration in rats. Phillips AG, et al. **Behav Biol** 16(2):127-43, Feb 76

Intracranial self-stimulation from the dorsal raphe nucleus of the rat: effects of the injection of para-chlorophenylalanine and of alpha-methylparatyrosine. Simon H, et al. **Behav Biol** 16(3):353-64, Mar 76

Pimozide-induced extinction of intracranial self-stimulation: response patterns rule out motor or performance deficits. Fouriezos G, et al. **Brain Res** 103(2):377-80, 20 Feb 76

Effects of intraventricular 6-hydroxydopamine and replacement therapy with norepinephrine, dopamine, and serotonin on self-stimulation in diencephalic and mesencephalic regions in the rat. Olds ME. **Brain Res** 98(2):327-42, 14 Nov 75

Separation of inhibiting and stimulating effects of morphine on self-stimulation behaviour by intracerebral microinjections. Broekkamp CL, et al. **Eur J Pharmacol** 36(2):443-6, Apr 76

Alpha-noradrenergic modulation of hypothalamic self-stimulation: studies employing clonidine, l-phenylephrine and alpha-methyl-p-tyrosine. Hunt GE, et al. **Eur J Pharmacol** 37(1):105-11, May 76

Changes in the self-stimulation behavior by intraventricular injection of epinephrine, norepinephrine, isoproterenol and dopamine. Hasegawa K. **Jpn J Pharmacol** 25(5):616-9, Oct 75

Effect of acute and chronic injections of amphetamine on intracranial self-stimulation (ICS) and some aryl alkyl amines and the rat brain. Danielson TJ, et al. **Life Sci** 18(11):1237-43, 1 Jun 76

Lithium differentially antagonises self-stimulation facilitated by morphine and (+)-amphetamine. Liebman JM, et al. **Nature** 260(5547):161-3, 11 Mar 76

The 'stimulant' action of tryptophan0monoamine oxidase inhibitor combinations: suppression of self-stimulation. Herberg LJ, et al. **Neuropharmacology** 15(6):349-51, Jun 76

Effects of dopamine-receptor blockade on self-stimulation in the monkey. Mora F, et al. **Pharmacol Biochem Behav** 4(2):211-6, Feb 76

D- and l-amphetamine differentially mediates self-stimulation in rat dorsal midbrain area. Ellman SJ, et al. **Physiol Behav** 16(1):1-7, Jan 76

Modulation of reward and aversion processes in the rat diencephalon by neuroleptics: differential effects of clozapine and haloperidol. Atrens DM, et al. **Psychopharmacol Bull** 49(1):97-100, 26 Aug 76

Differential effects of para-chlorophenylalanine on self-stimulation in caudate-putamen and lateral hypothalamus. Phillips AG, et al. **Psychopharmacol Bull** 49(1):23-7, 26 Aug 76

The effect of microinjections of amphetamine into the neostriatum and the nucleus accumbens on self-stimulation behaviour. Broekkamp CL, et al. **Psychopharmacologia** 42(2):179-83, 28 May 75

Effect of lithium and other alkali metals on brain chemistry and behavior. II. Intracranial self-stimulation behavior. Edelson A, et al. **Psychopharmacologia** 45(3):233-7, 2 Feb 76

Decreased intracranial self-stimulation after neuroleptics or 6-hydroxydopamine: evidence for mediation by motor deficits rather than by reduced reward. Fibiger HC, et al. **Psychopharmacologia** 47(1):21-7, 5 May 76

Comparison of the effects of morphine, pentazocine, cyclazocine and amphetamine on intracranial self-stimulation in the rat. Holtzman SG. **Psychopharmacologia** 46(3):223-7, 15 Apr 76

Amphetamine and the reward system: evidence for tolerance and post-drug depression. Leith NJ, et al. **Psychopharmacologia** 46(1):19-25, 1976

Effects of various inhibitors of tyrosine hydroxylase and dopamine beta-hydroxylase on rat self-stimulation after reserpine treatment. Stinus L, et al. **Psychopharmacologia** 45(3):287-94, 2 Feb 76

Intracranial self-stimulation in rats as a function of various

stimulus parameters. VI. Influence of fentanyl, piritramide, and morphine on medial forebrain bundle stimulation with monopolar electrodes. Wauquier A, et al. **Psychopharmacologia** 46(2):179–83, 16 Mar 76

Interactions of adrenergic stimulants and blockers on self-stimulation behavior in rats. Bailey PT, et al. **Res Commun Chem Pathol Pharmacol** 11(4):543–52, Aug 75

Alpha-methyl-para-tyrosine and alpha-methyl-para-tyrosine methyl ester and self-stimulation in rats. Saint-Laurent J, et al. **Rev Can Biol** 32(2):137–41, Jun 73

[The effect of neurotropic substances on the self-stimulation reaction at the thalamic level] Burov IuV, et al. **Biull Eksp Biol Med** 81(1):43–5, Jan 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Autoregulated intracranial stimulation (self-stimulation) as an induction of a cycle of movational states. Madlafousek J. **Act Nerv Super (Praha)** 18(1–2):97–101, Jun 76

Anterior or lateral amygdaloid self-stimulation in squirrel monkeys. Spencer J, et al. **Behav Biol** 16(2):221–6, Feb 76

Behavioral measurement of the post-stimulation excitability of neurons mediating self-stimulation by varying the voltage of paired pulses. Yeomans JS, et al. **Behav Biol** 15(4):435–47, Dec 75

Brain stem self-stimulation attenuated by lesions of medial forebrain bundle but not by lesions of locus coeruleus or the caudal ventral norepinephrine bundle. Clavier RM, et al. **Brain Res** 101(2):251–71, 16 Jan 76

Fibers associated with brain stem self-stimulation: Fink-Heimer study. Clavier RM, et al. **Brain Res** 105(2):325–32, 26 Mar 76

Evidence that self-stimulation of the region of the locus coeruleus in rats does not depend upon noradrenergic projections to telencephalon. Clavier RM, et al. **Brain Res** 113(1):71–81, 20 AUG 76

Attenuation of self-stimulation from substantia nigra but not dorsal tegmental noradrenergic bundle by lesions of sulcal prefrontal cortex. Clavier RM, et al. **Brain Res** 113(1):59–69, 20 AUG 76

Differential effects of unilateral dorsal hindbrain lesions on hypothalamic self-stimulation in the rat. Farber J, et al. **Brain Res** 112(1):148–55, 6 Aug 76

Self-stimulation and noradrenaline: evidence that inhibition of synthesis abolishes responding only if the 'reserve' pool is dispersed first. Franklin KB, et al. **Brain Res** 97(1):127–32, 24 Oct 75

Self-stimulation and catecholamines: drug-induced mobilization of the 'reserve'-pool re-establishes responding in catecholamine-depleted rats. Franklin KB, et al. **Brain Res** 67(3):429–37, 8 Mar 74

Responses of primate locus coeruleus and subcoeruleus neurons to stimulation at reinforcing brain sites and to natural reinforcers. German DC, et al. **Brain Res** 109(3):497–514, 18 Jun 76

Effects of GABA blockade on lateral hypothalamic self-stimulation. Kent EW, et al. **Brain Res** 107(3):628–32, 14 May 76

Increases in intracranial self-stimulation in the posterior hypothalamus following unilateral lesions in the locus coeruleus. Koob GF, et al. **Brain Res** 101(3):554–60, 23 Jan 76

Strong positive reward in median raphe: specific inhibition by para-chlorophenylalanine. Miliaressis E, et al. **Brain Res** 98(1):194–201, 7 Nov 75

Catecholamine concentration of discrete brain areas following self-stimulation in the ventromedial tegmentum of the rat. Miliaressis E, et al. **Brain Res** 100(1):192–7, 12 Dec 75

Dopaminergic substrates of intracranial self-stimulation in the caudate-putamen. Phillips AG, et al. **Brain Res** 104(2):221–32, 12 Mar 76

Subfornical organ: a site of brain self-stimulation. Robertson A, et al. **Brain Res** 114(3):511–6, 24 Sep 76

The effects of self-stimulation on the catecholamine concentration or discrete areas of the rat brain. St. Laurent J, et al. **Brain Res** 99(1):194–200, 28 Nov 75

Relationship of dopamine neural systems to the maintenance of self-stimulation. pp. 37–56. Breese GR, et al. **In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.**

Role of norepinephrine, dopamine and serotonin in reward mechanisms. pp. 57–74. Poschel BP, et al. **In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.**

Balances among central neurotransmitters in self-stimulation behavior. pp. 75–97. Pradhan SN. **In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.** (83 ref.)

Self-stimulation reward pathwyas: norepinephrine vs dopamine. pp. 115–24. Stein L, et al. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.**

Uses of double-pulse stimulation behaviorally to infer refractoriness, summation, convergence, and transmitter characteristics of hypothalamic reward systems. Coons EE, et al. **J Comp Physiol Psychol** 90(4):317–42, Apr 76

Effects of d- versus l-amphetamine, food deprivation, and current intensity on self-stimulation of the lateral hypothalamus, substantia nigra, and medial frontal cortex of the rat. Goodall EB, et al. **J Comp Physiol Psychol** 89(9):1029–45, Nov 75

Runway performance of rats for brain-stimulation or food reward: effects of hunger and priming. Stellar JR, et al. **J Comp Physiol Psychol** 89(6):590–9, Aug 75

Potentiation of central reward by localised perfusion of acetylcholine and 5-hydroxytryptamine. Redgrave P, et al. **Nature** 262(5566):305–7, 22 Jul 76

Autonomic effects of hypothalamic self-stimulation in the cat. Angyán L. **Physiol Behav** 15(5):495–8, Oct 75

Self-stimulation thresholds and dorso-ventral variation in the lateral hypothalamus in mouse: effects of food and water deprivation. Cazala P, et al. **Physiol Behav** 16(2):125–9, Feb 76

Effect of food deprivation on the approach and escape components of VMH self-stimulation. Goldstein R, et al. **Physiol Behav** 16(2):131–4, Feb 76

Response selection properties of food and brain-stimulation reinforcers in rats. Peterson GB. **Physiol Behav** 14(6):681–8, Jun 75

Control of the rat's circadian self-stimulation rhythm by light-dark cycles. Terman M, et al. **Physiol Behav** 14(6):781–9, Jun 75

Lesion artifact in brain stimulation experiments. Wyss JM, et al. **Physiol Behav** 16(4):387–9, Apr 76

Interactions of self-stimulation behavior and some humoral factors. Hartmann G, et al. **Prog Brain Res** 42:321–2, 1975

The neural basis of brain-stimulation reward. Rolls ET. **Prog Neurobiol** 3:73–160, 1975

[Ontogenetic analysis of the self-stimulation behavior of rats] Velley L, et al. **C R Acad Sci [D] (Paris)** 280(7):881–3, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Topography of stimulation sites with aversive effects in the rat's medial hypothalamus (author's transl)] Schmitt P, et al. **J Physiol (Paris)** 70(2):201–6, Jul 75 (Eng. Abstr.) **(Fre)**

[Functional properties of negatively reinforcing fiber systems: a behavioral study (author's transl)] Schmitt P, et al. **Physiol Behav** 16(4):419–29, Apr 76 (Eng. Abstr.) **(Fre)**

[The behavior of rats with different regimes of cerebral self stimulation] Berdashkevich AP. **Zh Vyssh Nerv Deiat** 25(3):486–93, May-June 75 (Eng. Abstr.) **(Rus)**

[Self-stimulation of the lateral hypothalamus in cats with different current parameters] Fomin BA. **Zh Vyssh Nerv Deiat** 25(4):873–5, Jul-Aug 75 **(Rus)**

[The relationship between temporal parameters of the stimulus and the frequency of self-stimulation in cats] Fomin BA. **Zh Vyssh Nerv Deiat** 25(6):1309–11, Nov-Dec 75 **(Rus)**

[The effect of different activating influences on the self stimulation reaction] Mikhailova NG. **Zh Vyssh Nerv Deiat** 25(2):356–62, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Direct current self stimulation in rats] Pavlygina RA, et al. **Zh Vyssh Nerv Deiat** 25(1):29–34, Jan-Feb 75 (Eng. Abstr.) **(Rus)**

[Behavioral, electrophysiologic and vegetative correlates of self stimulation in dogs] Vainshtein II, et al. **Zh Vyssh Nerv Deiat** 25(2):272–9, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

SELLA TURCICA

Intracranial ganglioneuromas in children. Arseni C, et al. **Acta Neurochir (Wien)** 32(3–4):279–86, 1975

Proceedings: Meningiomas of the sellar region. Halves E, et al. **Acta Neurochir (Wien)** 31(3–4):280–1, 1975

Tumors of the parasellar region. Malis LI. **Adv Neurol** 15:281–99, 1976

Empty sella syndrome secondary to intrasellar cyst in adolescence. Raiti S, et al. **Am J Dis Child** 130(9):1009–12, Sep 76

Primary empty sella syndrome with visual field defects. Buckman MT, et al. **Am J Med** 61(1):124–8, Jul 76

Cushing's syndrome in a patient with an empty sella turcica and a microadenoma of the adenohypophysis. Ganguly A, et al. **Am J Med** 60(2):306–9, Feb 76 (17 ref.)

Pituitary enlargement, pituitary failure, and primary hypothyroidism. Vagenakis AG, et al. **Ann Intern Med** 85(2):195–8, Aug 76

Empty sella syndrome. Sequela of the spontaneous remission of acromegaly. Login I, et al. **Arch Intern Med** 135(11):1519–21, Nov 75

Primary suprasellar atypical teratoma. Camins MB, et al. **Brain** 97(3):447–56, Sep 74

Radiation-induced intracranial malignant fibrous histiocytoma. Gonzalez-Vitale JC, et al. **Cancer** 37(6):2960–3, Jun 76

Volume of sella turcica in normal subjects and in patients with primary hypothyroidism and hyperthyroidism. Yamada T, et al. **J Clin Endocrinol Metab** 42(5):817–22, May 76

Juxtasellar hyperostosis of non-meningiomatous origin. Lee KF, et al. **J Neurosurg** 44(5):571–9, May 76

Hyperprolactinemia associated with empty sella syndrome. Hsu TH, et al. **JAMA** 235(18):2002–4, 3 May 76

The 'empty' sella. Berke JP, et al. **Neurology (Minneap)** 25(12):1137–43, Dec 75

Primary empty sella syndrome and amenorrhea. Shreefter MJ, et al. **Obstet Gynecol** 46(5):535–8, Nov 75

Computed tomography in the detection of juxtasellar lesions. Reich NE, et al. **Radiology** 118(2):333–5, Feb 76

[Empty sella turcica. Discovery at examination for secondary amenorrhea] Rousel Le Guen JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(7):1135–42, Oct-Nov 74 **(Fre)**

[Myasthenia, thymoma and hypophyseal tumor associated with heterogenous adenomatous proliferation and ganglioneuroma of the sella turcica] Lapresle J, et al. **J Neurol Sci** 28(2):249–54, Jun 76 **(Fre)**

[Papillary edema and empty sella turcica] Lepage M, et al. **Rev Otoneuroophtalmol** 47(4):285–9, Jul-Sep 75 **(Fre)**

[Acromegaly and empty sella turcica] Verdy M, et al. **Union Med Can** 104(2):249–52, Feb 75 (Eng. Abstr.) **(Fre)**

[Secondary anemorrhea in processes in the sella region] Synowitz HJ, et al. **Zentralbl Gynaekol** 97(11):656–60, 1975 (Eng. Abstr.) **(Ger)**

[Primary empty sella. Report of 2 cases] Maggi G, et al. **Acta Neurol (Napoli)** 30(6):625–30, Nov-Dec 75 (Eng. Abstr.) **(Ita)**

[Campimetric changes in 35 subjects with chromophobe pituitary adenoma treated by intrasellar implantation of Y 90] Dossi F, et al. **Arch Sci Med (Torino)** 132(4):214–7, Oct-Dec 75 (Eng. Abstr.) **(Ita)**

[Findings on pneumoencephalogram of sellar and suprasellar tumor cases (author's transl)] Watanabe M, et al. **Neurol Med Chir (Tokyo)** 16(1 Pt 2):47–53, Jan 76 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of brain scintigrams for basal midline lesions (author's transl)] Ikeda T, et al. **Neurol Surg (Tokyo)** 3(11):929–37, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Spread of pituitary adenomas beyond the sella] Kunicki A, et al. **Neurol Neurochir Pol** 9(5):625–9, Sep-Oct 75 (Eng. Abstr.) **(Pol)**

[A case of chondroma of endosupraparasellar localization] Fedorov SN, et al. **Vopr Neirokhir** (1):52–4, Jan-Feb 76 **(Rus)**

[The diagnostic value of pneumotomoencephalography in patholigic processes in the region of the sella turcica] Golubkov AV, et al. **Vopr Neirokhir** (6):34–7, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Enlarged sella turcica associated with a rare vascular anomaly. Keller N, et al. **Br J Radiol** 48(575):936–7, Nov 75

Thyrotropin and prolactin pituitary reserve in the 'empty sella syndrome'. Ridgway EC, et al. **J Clin Endocrinol Metab** 41(5):968–73, Nov 75

Empty sella syndrome due to cysticercosis cerebri in a pregnant woman. Forsbach G, et al. **Rev Invest Clin** 28(1):33–5, Jan-Mar 76

Visual improvement after chiasmapexy for primary empty sella turcica. Wood JG, et al. **Surg Neurol** 3(6):291–4, Jun 75

[Observation of a male patient with the empty sella turcica syndrome] Bozadzhieva E, et al. **Vutr Boles** 14(6):64–8, 1975 (Eng. Abstr.) **(Bul)**

[The empty sella turcica syndrome. Report of three cases (author's transl)] Herrera AE, et al. **Rev Invest Clin** 28(1):37–44, Jan-Mar 76 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Letter to the editor: Reinvestigation of the normal length of the adult sella turcica with special reference to nasal polyps. Peller S, et al. **Invest Radiol** 10(4):394, Jul-Aug 75

Variation of the sella-nasion plane and its effect on SNA and SNB. Moore JW. **J Oral Surg** 34(1):24–6, Jan 76

GROWTH & DEVELOPMENT

[Radiological investigations of the sella-cranium index (author's transl)] Boczoń S. **Pol Przegl Radiol** 40(2):87–91, Mar-Apr 76 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Chiasmal syndrome due to intrasellar abscess. Neelon FA, et al. **Arch Intern Med** 136(9):1041–3, Sep 76

PATHOLOGY

Sella turcica in male-to-female transsexuals. Lundberg PO, et al. **Arch Sex Behav** 4(6):657–62, Nov 75

[Proceedings: Sella turcica in Sheehan syndrome (author's transl)] Boukhris R, et al. **Ann Endocrinol (Paris)** 36(6):343–4, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Study of the gonadotropins function in 12 cases with hypogonadism localised radiologic alteration of the sella turcica and hyperprolactinemia (author's transl)] Fossati P, et al. **Ann Endocrinol (Paris)** 36(6):329–30, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Prolactin regulation in 14 cases of galactorrhea and hypogonadism with minimal modifications of the sella turcica (author's transl] Fossati P, et al. **Ann Endocrinol (Paris)** 36(5):279–80, Sep-Oct 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Histological study of the operative zone in dogs with parotid gland grafts in the sella turcica. Costero I, et al. **Acta Physiol Lat Am** 25(2):89–98, 1975

PHYSIOPATHOLOGY

Empty sella syndrome as complication of benign intracranial hypertension. Weisberg LA, et al. **J Neurosurg** 43(2):177–80, Aug 75

RADIOGRAPHY

Primary empty sella, galactorrhea, hyperprolactinemia and renal tubular acidosis. Bar RS, et al. **Am J Med** 59(6):863–6, Dec 75

Tortuosity of the cavernous carotid arteries causing sellar expansion simulating pituitary adenoma. Anderson RD. **Am J Roentgenol** 126(6):1203–10, Jun 76

The grossly enlarged or 'Missing' sella. Wong WK. **Med J Malaysia** 30(2):139–48, Dec 75

Radiology mediquiz. What's your diagnosis? Long MJ. **Med Times** 104(2):53, 170, Feb 76

Sella turcica abnormalities in an anovulatory population. Jones JR, et al. **Obstet Gynecol** 48(1):76–8, Jul 76

Pituitary fossa demineralization in normal subjects. Cala LA, et al. **Proc Aust Assoc Neurol** 11:115–26, 1974

The area and volume of the sella turcica in childhood primary hypothyroidism. McCarten KM, et al. **Radiology** 119(3):645–50, Jun 76

Evaluation of sellar and parasellar masses by computed tomography. Naidich TP, et al. **Radiology** 120(1):91–9, Jul 76 (15 ref.)

New standards for the assessment of sella turcica volume in children. Underwood LE, et al. **Radiology** 119(3):651–4, Jun 76

The sella turcica in Nelson's syndrome. Weinstein M, et al. **Radiology** 118(2):363–5, Feb 76

[The anatomo-radiological syndrome of the empty sella turcica] Zacchè E, et al. **Minerva Med** 66(82):4399–402, 1 Dec 75 (Eng. Abstr.) **(Ita)**

[Improving radiographic diagnosis of the sella by means of direct magnification technics and autotomography] Bryc S, et al. **Neurol Neurochir Pol** 10(4):485–8, Jul–Aug 76 (Eng. Abstr.) **(Pol)**

[Empty sella turcica syndrome. Comments with report of a case] Diaz Fernández AJ, et al. **Rev Clin Esp** 139(2):179–82, 31 Oct 75 **(Spa)**

[Empty sella turcica syndrome and Addison' disease: 2 cases] Jara Albarrán A, et al. **Rev Clin Esp** 139(2):183–7, 31 Oct 75 **(Spa)**

[Various radiological considerations on the infundibulo-sellar region] Monteagudo E, et al. **Rev Neuropsiquiatr** 38(3–4):167–76, Sep–Dec 75 (Eng. Abstr.) **(Spa)**

SEMANTIC DIFFERENTIAL

The usefulness of the semantic differential with 'mild grade' mental defectives. Dow MG, et al. **Br J Psychiatry** 127:386–92, Oct 75

The mechanical disturbance produced by steady and gusty winds of moderate strength: skilled performance and semantic assessments. Poulton EC, et al. **Ergonomics** 18(6):651–73, Nov 75

The Three Faces of Evelyn: a case report. III. Reactions to the blind analysis. Jeans RF. **J Abnorm Psychol** 85(3):271–5, Jun 76

The Three Faces of Evelyn: a case report. II. A blind analysis of another case of multiple personality using the semantic differential technique. Osgood CE, et al. **J Abnorm Psychol** 85(3):256–70, Jun 76

Semantic differential ratings of concepts and suicide intent. Wetzel RD. **J Clin Psychol** 32(1):4–13, Jan 76

The California Psychological Inventory and the Semantic Differential dimensions. Burger GK, et al. **J Gen Psychol** 94(First Half):129–34, Jan 76

On connotative meaning of emotional terms to the blind: a contribution to the study of the phenomenology of emotion. Dershowitz NK. **Percept Mot Skills** 41(1):87–94, Aug 75

Semantic desensitization: language conditioning or demand characteristics manipulation? Sappington AA. **Percept Mot Skills** 41(3):747–53, Dec 75

[Metric problems of the technic of semantic differentiation] Fuchs A. **Arch Psychol (Frankf)** 126(2–4):114–24, 1974 (Eng. Abstr.) **(Ger)**

SEMANTICS

Affect, mood, emotion, and feeling: semantic considerations. Ketal R. **Am J Psychiatry** 132(11):1215–7, Nov 75

The semantics of locative information in pictures and mental images. Just MA, et al. **Br J Psychol** 66(4):427–41, Nov 75

Semantic mechanisms in paralexia. Saffran EM, et al. **Brain Lang** 3(2):255–65, Apr 76

Some semantic prerequisites for a model of language. Schachter J. **Brain Lang** 3(2):292–304, Apr 76

Schizophrenic inability to disattend from strong aspects of meaning. Chapman LJ, et al. **J Abnorm Psychol** 85(1):35–40, Feb 76

Affective encoding and consequent remembering in schizophrenic young adults. Koh SD, et al. **J Abnorm Psychol** 85(2):156–66, Apr 76

Mnemonic organization and free recall in schizophrenia. Larsen SF, et al. **J Abnorm Psychol** 85(1):61–5, Feb 76

Relaxation as a factor in semantic desensitization. Bechtel JE, et al. **J Consult Clin Psychol** 43(6):925, Dec 75

Letter: Infelicitous vs unfelicitous. Arnold HL. **JAMA** 235(24):2586, 14 Jun 76

Editorial: Then and now. Vaisrub S. **JAMA** 234(12):1258, 22 Dec 75

Letter: Paracrine. **Lancet** 1(7965):915–6, 24 Apr 76

An effect of the definite article on the salience of a noun. de Villiers PA. **Lang Speech** 17(2):135–41, Apr–Jun 74

On the child's acquisition of semantic structure underlying the wordfield of prepositions. Grimm H. **Lang Speech** 18(2):97–119, Apr–Jun 75

Semantic considerations in the treatment of echolalia. Garber NB, et al. **Ment Retard** 13(5):8–11, Oct 75

Letter: Iatral, not iatrogenic. Buck RW. **N Engl J Med** 294(23):1298, 3 Jun 76

Letter: The pleasure of semantic confusion. Cope T. **N Engl J Med** 294(9):503–4, 26 Feb 76

Letter: More on 'iatrogenic'. Makris CH. **N Engl J Med** 295(6):345, 5 Aug 76

Recognition of verbs, abstract nouns and concrete nouns from the left and right visual half-fields. Hines D. **Neuropsychologia** 14(2):211–6, 1976

Application of semantic desensitization in an area of strong emotional significance. Sappington AA. **Percept Mot Skills** 43(1):310, Aug 76

Field articulation and linguistic structures. Sullivan L, et al. **Percept Mot Skills** 41(3):911–8, Dec 75

[Semantic traps in neurobiology] Lairy GC. **Rev Electroencephalogr Neurophysiol Clin** 5(2):152–5, Apr–Jun 75 **(Fre)**

[Elementary logic and semantic fields in aphasia] Melice-Ledent S, et al. **Rev Neurol (Paris)** 132(5):343–59, May 76 (Eng. Abstr.) **(Fre)**

[Transfer of various organizational structures in the free reproduction of word lists] Hoffmann J. **Z Naturwiss Med Grundlagenforsch** 183(2):129–40, 1975 (Eng. Abstr.) **(Ger)**

[Medical semantics] Szepesiné Benda M. **Orv Hetil** 117(32):1956–8, 8 Aug 76 **(Hun)**

[The psychophysical values of rating words to environmental noise (author's transl)] Matsui K, et al. **Jpn J Hyg** 30(2):296–9, Jun 75 (Eng. Abstr.) **(Jpn)**

[Some terminological problems of the intoxicating agents concept and related phenomena] Hanausek T. **Psychiatr Pol** 9(5):535–7, Sep–Oct 75 **(Pol)**

SEMEN

see related

SPERMATOZOA

Letter: Use of half doses of bovine semen for insemination. Donaldson LE. **Aust Vet J** 51(11):538–9, Nov 75

Certification of ruminants, semen, and ova for freedom from bluetongue virus. Hourrigan JL, et al. **Aust Vet J** 51(4):211–2, Apr 75

Seminal degeneration associated with chorioptic mange of the scrotum of rams. Rhodes AP. **Aust Vet J** 51(9):428–32, Sep 75

Semen wastage at a bovine artificial breeding centre. Wright PJ. **Aust Vet J** 51(3):122–5, Mar 75

Induction of motility in immature bovine spermatozoa by cyclic AMP phosphodiesterase inhibitors and seminal plasma. Hoskins DD, et al. **Biol Reprod** 13(2):168–76, Sep 75

Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. Hunter RH. **Br Vet J** 131(5):565–73, Sep–Oct 75

Semen collection from a stallion using a dummy mount. Richardson GF, et al. **Can Vet J** 17(7):177–80, Jul 76

Possible involvement of semen in cancer. Hadden JW. **Clin Bull** 5(4):161–3, 1975

Loss of acrosin from bovine spermatozoa following cold shock: protective effects of seminal plasma. Church KE, et al. **Cryobiology** 13(3):341–6, Jun 76

Variable motility recovery of spermatozoa following freeze preservation. Beck WW, et al. **Fertil Steril** 26(9):863–7, Sep 75

Freeze preservation of squirrel monkey sperm for use in timed fertilization studies. Denis LT, et al. **Fertil Steril** 27(6):723–9, Jun 76

Polymorphism of A, B and H substances in seminal fluid. Panari G, et al. **Forensic Sci** 7(1):55–60, Jan–Feb 76

Frozen human semen: a new, simplified technique of conservation. pp. 66–9. Nakamura MS, et al. **In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.**

Fertilization-promoting factor from human seminal plasma. pp. 515–8. Gaur RD, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

Further studies on the fertility promoting factor from human seminal plasma. Gaur RD, et al. **Int J Fertil** 20(3):133–6, 1975

Postpuberal changes in semen production of Charolais bulls ejaculated at high frequency and the relation between testicular measurements and sperm output. Almquist JO, et al. **J Anim Sci** 42(3):670–6, Mar 76

Fertility of liquid boar semen as influenced by breed and season. Koh TJ, et al. **J Anim Sci** 42(1):138–44, Jan 76

Some factors influencing semen characteristics in range bulls. Ruttle JL, et al. **J Anim Sci** 41(4):1069–76, Oct 75

Cryobanking of human sperm. Frankel MS. **J Med Ethics** 1(1):36–8, Apr 75

Proceedings: Fertility of boar semen frozen-stored for 2 1/2 years. Salamon S, et al. **J Reprod Fertil** 46(2):538, Mar 76

The evaluation of stallion semen in aspects of fertility control and its use for artificial insemination. Bielański W. **J Reprod Fertil [Suppl]** (23):19–24, Oct 75

Results of insemination of mares with fresh and frozen stallion semen. Klug E, et al. **J Reprod Fertil [Suppl]** (23):107–10, Oct 75

Semen characteristics in thyroidectomized stallions. Lowe JE, et al. **J Reprod Fertil [Suppl]** (23):81–6, Oct 75

Results of long-term storage of stallion semen frozen by the pellet method. Merkt H, et al. **J Reprod Fertil [Suppl]** (23):105–6, Oct 75

Studies on the preservation of raw and frozen horse semen. Nishikawa Y. **J Reprod Fertil [Suppl]** (23):99–104, Oct 75

Effect of timing of insemination, numbers of spermatozoa and extender components on the pregnancy rate in mares inseminated with frozen stallion semen. Pace MM, et al. **J Reprod Fertil [Suppl]** (23):115–21, Oct 75

The effect of semen extenders and sperm number on mare fertility. Pickett BW, et al. **J Reprod Fertil [Suppl]** (23):95–8, Oct 75

Influence of ejaculation frequency of stallions on characteristics of semen and output of spermatozoa. Sullivan JJ, et al. **J Reprod Fertil [Suppl]** (23):29–34, Oct 75

Diagnosis and treatment of haemospermia in the stallion. Voss JL, et al. **J Reprod Fertil [Suppl]** (23):151–4, Oct 75

Recent advances in semen preservation. Neville WJ. **J S Afr Vet Assoc** 46(4):311–23, Dec 75 (94 ref.)

Semen evaluation in capuchin monkeys (Cebus apella). Bush DE, et al. **Lab Anim Sci** 25(5):588–93, Oct 75

The influence of divergent growth selection of semen traits, fertility and hatchability. Cheng KM, et al. **Poult Sci** 55(1):457–9, Jan 76

Partial replacement of chicken semen by turkey semen in artificial insemination of chickens. Gavora JS, et al. **Poult Sci** 55(4):1583–5, Jul 76

The effects of semen dosage and insemination frequency on the fertility of brolier breeder hens. McCartney MG. **Poult Sci** 55(2):669–71, Mar 76

A note on the lack of difference in fertility between old and young hens when inseminated with frozen semen. Mitchell RL, et al. **Poult Sci** 55(3):1161–2, May 76

Effect of restricted daylength during the growing period on semen quality and fertility of turkey toms. Wall KA, et al. **Poult Sci** 55(1):425–30, Jan 76

Effect of forced molting on quantity and quality of semen in turkey breeder males as influenced by diet. Woodard AE, et al. **Poult Sci** 54(6):2094–101, Nov 75

Effect of semen dose, frequency of insemination, age and productivity of the male on duration and levels of fertility and hatachability in the turkey. Woodard AE, et al. **Poult Sci** 55(4):1367–75, Jul 76

Inhibition of in vitro immune responses by a fraction from seminal plasma. Prakash C, et al. **Scand J Immunol** 5(1–2):77–85, 1976

Semen cahracteristics before and after ligation of the left internal spermatic veins in men with varicocele. Lindholmer C, et al. **Scand J Urol Nephrol** 9(3):177–80, 1975

Antimicrobial activity of human seminal fluid. Mårdh PA, et al. **Scand J Urol Nephrol** 9(1):17–23, 1975

Clinical use of frozen human semen. Sherman JK. **Transplant Proc** 8(2 Suppl 1):165–70, Jun 76

Hemospermia. Tolley DA, et al. **Urology** 6(3):331–2, Sep 75

Effect of frequent ejaculation on semen characteristics in rams. Jennings JJ, et al. **Vet Rec** 98(12):230–3, 20 Mar 76

[The influence of the age of men from sterile families on several clinical parameters of the ejaculate] Atanasov A, et al. **Akush Ginekol (Sofiia)** 13(3):199–203, 1974 (Eng. Abstr.) **(Bul)**

[Characteristics of bull semen] Kalev G. **Vet Med Nauki** 12(9):8–14, 1975 (Eng. Abstr.) **(Bul)**

[Comparative studies of some methods of freezing bull sperm] Kalev G, et al. **Vet Med Nauki** 12(4):16–22, 1975 (Eng. Abstr.) **(Bul)**

[Our experience with insemination with the donor's semen (author's transl)] Zenišek L, et al. **Cesk Gynekol** 40(10):707–8, Dec 75 **(Cze)**

[A.I. in pigs: influence of boar seminal plasma on breeding efficiency of diluted boar semen (author's transl)] Meding JH. **Nord Vet Med** 28(4–5):221–5, Apr–May 76 (Eng. Abstr.) **(Dan)**

[Ejaculate of the male rabbit (author's transl)] Hoogenkamp H. **Tijdschr Diergeneeskd** 100(11):592–6, 1 Jun 75 **(Dut)**

[Deep-freezing semen of stallions (author's transl)] van der Holst W. **Tijdschr Diergeneeskd** 100(12):654–61, 15 Jun 75 (Eng. Abstr.) **(Dut)**

[Comparison of freezing of human and bovine sperm. Application to the technic of freezing human sperm in fine straws] Emperaire JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):707–19, Sep 73 (Eng. Abstr.) **(Fre)**

[Trial in artificial insemination in Cameroon by means of imported frozen semen. I. Artificial insemination of female zebus in natural hear] Lhoste P, et al. **Rev Elev Med Vet Pays Trop** 28(4):513–22, 1975 (Eng. Abstr.) **(Fre)**

[Experimentation in artificial insemination in Cameroon, by importation of frozen semen. II. Attempt at estrus synchronization in femal zebus] Lhoste P, et al. **Rev Elev Med Vet Pays Trop** 29(1):67–74, 1976 (Eng. Abstr.) **(Fre)**

[Semen collection and artificial insemination in the rat] Rohloff D, et al. **Berl Munch Tieraerztl Wochenschr**

89(16):318–21, 15 Aug 76 (Eng. Abstr.) **(Ger)**

[Custom freezing of semen in beef–cattle production in Central America] Grove D.
Dtsch Tieraerztl Wochenschr 82(9):359–64, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[The sanguineous sperm (hemospermia)] Bauer KM.
Med Welt 27(8):393–5, 20 Feb 76 **(Ger)**

[Effect of semen diluters containing egg yolk contaminated with DDT on the survival of bull spermatozoa] Kozlowska L, et al. **Pol Arch Weter** 17(4):683–90, 1975 (Eng. Abstr.) **(Pol)**

[Aseptic extraction of sperm from boars] Logvinov DD, et al. **Veterinariia** (2):74–6, Feb 76 **(Rus)**

[Radioelectrocardiography in obtaining bull sperm] Preobrazhenskii ON, et al. **Veterinariia** (10):79–82, Oct 75 **(Rus)**

ANALYSIS

Effect of irrigation of vas deferens on sperm analyses after vasectomy. Lehtonen T. **Ann Chir Gynaecol Fenn** 64(4):224–6, 1975

Phospholipids of goat spermatozoa and the seminal plasma. Jain YC, et al. **Biol Reprod** 12(3):393–5, Apr 75

Uteroglobin–like antigen in the male genital tract secretions. Beier HM, et al. **Cell Tissue Res** 165(1):1–11, 29 Dec 75

Zinc and copper in human semen. Stanković H, et al.
Clin Chim Acta 70(1):123–6, 1 Jul 76

Steroid conjugates in human seminal plasma. Purvis K, et al. **Clin Endocrinol (Oxf)** 5(3):253–61, May 76

Endocrine effects of vasectomy. Purvis K, et al.
Clin Endocrinol (Oxf) 5(3):263–72, May 76

Testosterone and dihydrotestosterone concentrations in plasma, epididymal tissues, and seminal fluid of adult rats. Pujol A, et al. **Endocrinology** 98(1):111–3, Jan 76

Testosterone concentration in testicular venous blood of adult rats and seminal citric acid and fructose concentration as well as weight of accessory sex organs. Szymik N, et al. **Endokrinologie** 64(3):304–10, 1975

Purification of plasminogen activator(s) from human seminal plasma. Astedt B, et al. **Experientia** 32(2):148–9, 15 Feb 76

The occurrence of 19–hydroxy F prostaglandins in human semen. Taylor PL, et al. **FEBS Lett** 57(1):22–5, 1 Sep 75

Lack of relationship between cyclic nucleotide levels and spermatozoal function in human semen. Beck KJ, et al. **Fertil Steril** 27(4):403–6, Apr 76

Seminal prostaglandins in infertile men. Collier JG, et al. **Fertil Steril** 26(9):868–71, Sep 75

Response of adnexal glands to testosterone stimulation in the normal adult male. Dondero F, et al. **Fertil Steril** 27(7):806–11, Jul 76

Semen zinc levels in infertile and postvasectomy patients and patients with prostatitis. Marmar JL, et al. **Fertil Steril** 26(11):1057–63, Nov 75

Seminal fructose content in necrospermia. Phadke AM, et al. **Fertil Steril** 26(10):1021–3, Oct 75

Importance of controlled liquefaction periods for valid steroid assays in human seminal plasma. Purvis K, et al. **Fertil Steril** 27(8):929–32, Aug 76

Occurrence of prolactin in human semen. Sheth AR, et al. **Fertil Steril** 26(9):905–7, Sep 75

Levels of luteinizing hormone in semen of fertile and infertile men and possible significance of luteinizing hormone in sperm metabolism. Sheth AR, et al. **Fertil Steril** 27(8):933–6, Aug 76

The semen of fertile men. II. Semen characteristics of 100 fertile men. Sobrero AJ, et al. **Fertil Steril** 26(11):1048–56, Nov 75

Ascorbic acid in human seminal plasma in normal and pathological conditions. Dondero F, et al.
Folia Endocrinol (Roma) 27(6pt2):724–8, Dec 74

Characterization of the proteinase inhibitors from bull seminal plasma and spermatozoa. Cechová D, et al.
Hoppe Seylers Z Physiol Chem 357(3):401–8, Mar 76

Reversible attachment and localization of the acid–stable seminal plasma acrosin–trypsin inhibitors on boar spermatozoa as revealed by the indirect immunofluorescent staining technique. Schill WB, et al.
Hoppe Seylers Z Physiol Chem 356(9):1473–6, Sep 75

Concentrations of various antibacterials in human seminal plasma. pp. 307–312. Malmborg AS, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Low molecular weight proteinase (acrosin) inhibitors from human and boar seminal plasma and spermatozoa and human cervical mucus—isolation, properties and biological aspects. pp. 737–66. Fritz H, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (68 ref.)

New protein– glycolipoprotein complex formation in diluted semen. pp. 377–84. Kichev G.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Sialic acid in the semen of normal vasectomized and hypospermatogenic individuals. Das RP, et al.
Indian J Med Res 63(9):1234–7, Sep 75

Boar seminal zinc–precipitable protein and the haemagglutinin. Boursnell JC, et al. **J Reprod Fertil** 45(3):415–20, Dec 75

Fatty acids and fatty aldehydes of buffalo seminal plasma and sperm lipid. Jain YC, et al. **J Reprod Fertil** 47(2):261–7, Jul 76

The lipids of buffalo spermatozoa and seminal plasma. Jain YC, et al. **J Reprod Fertil** 47(2):255–60, Jul 76

Uterine secretion–like proteins in the seminal plasma of the rabbit. Kirchner C, et al. **J Reprod Fertil** 47(2):325–30, Jul 76

Free N–acetylaminosugar in the seminal plasma of eutherian mammals. Rodger JC, et al. **J Reprod Fertil** 45(2):379–81, Nov 75

Source of seminal N–acetylglucosamine in Australian marsupials and further studies of free sugars of the marsupial prostate gland. Rodger JC, et al.
J Reprod Fertil 46(2):467–9, Mar 76

Components of human split ejaculates. II. Enzymes and proteinase inhibitors. Tauber PF, et al. **J Reprod Fertil** 46(1):165–71, Jan 76

Characteristics of the successive jets of ejaculated semen of stallions. Kosiniak K. **J Reprod Fertil [Suppl]** (23):59–61, Oct 75

Effect of season on some characteristics of stallion semen. Pickett BW, et al. **J Reprod Fertil [Suppl]** (23):25–8, Oct 75

The identification of phosphoglucomutase isoenzymes in semen stains and its use in forensic casework investigation. Rees B, et al. **Med Sci Law** 15(4):284–93, Oct 75

19–Hydroxyprostaglandin E1 as a major component of the semen of primates. Kelly RW, et al. **Nature** 260(5551):544–5, 8 Apr 76

The influence of short term exposure to two different environmental temperatures on electrolyte concentrations of fowl semen. Cummings VT, et al. **Poult Sci** 55(3):857–61, May 76

The measurement of E and 19–hydroxy E prostaglandins in human seminal plasma. Cooper I, et al. **Prostaglandins** 10(3):507–14, Sep 75

[Determination of ejaculate properties by the method of Hynie] Ananiev T, et al. **Akush Ginekol (Sofiia)** 14(1):51–6, 1975 (Eng. Abstr.) **(Bul)**

[Hydrogen ion concentration in the sperm of men from sterile families] Nalbanski B, et al. **Akush Ginekol (Sofiia)** 15(1):44–9, 1976 (Eng. Abstr.) **(Bul)**

[Characteristics of the protein makeup of the seminal plasma by polyacrylamide gel electrophoresis] Stanislavov R, et al. **Akush Ginekol (Sofiia)** 14(2):131–6, 1975 (Eng. Abstr.) **(Bul)**

[Electrophoretic behavior of proteins diluted with egg yolk diluting agents on bull sperm deep freezing] Kichev G. **Vet Med Nauki** 11(10):59–64, 1974 (Eng. Abstr.) **(Bul)**

[Determination of fructose in the sperm plasma. Significance, value in differential diagnosis and practical indications] Schill WB. **Med Klin** 71(24):1031–41, 11 Jun 76 **(Ger)**

[Quantitative protein determinations in the seminal plasma] Heitmann HJ. **Z Hautkr** 50(2):49–52, 15 Jan 75 **(Ger)**

[The meaning of the normal values of the ejaculate for fertility] Schirren JM. **Z Hautkr** 50(3):97–103, 1 Feb 75 **(Ger)**

[The biological significance of a basic protein (BBSP) from the seminalplasma of the bull] Gladigau V, et al.
Z Naturforsch [C] 29(5–6):257–60, May–Jun 74 (Eng. Abstr.) **(Ger)**

[Prostaglandins in the reduction of fertility] Gstöttner H, et al. **Zentralbl Gynaekol** 97(11):665–8, 1975 (Eng. Abstr.) **(Ger)**

[Diagnostic significance of the determination of fructose concentration in the ejaculate] Török L. **Orv Hetil** 117(21):1285–6, 23 Mar 76 **(Hun)**

[Electrophoretic studies of dog's semen plasma in both fertile and sterile dogs] Dubiel A. **Pol Arch Weter** 17(4):699–706, 1975 (Eng. Abstr.) **(Pol)**

[Evaluation of properties of rabbit semen from the standpoint of fertility disorders] Dubiel A. **Pol Arch Weter** 17(4):707–17, 1975 (Eng. Abstr.) **(Pol)**

[Preliminary research on the presence of prostaglandins in animal seminal plasma] Nechifor M, et al.
Rev Med Chir Soc Med Nat Iasi 79(2):261–6, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Determination of fructose, proteins, oxalacetic and pyruvic transaminase in the seminal plasma of vasectomized patients] Giner J, et al. **Arch Invest Med (Mex)** 7(2):71–6, 1976 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Improved staining method for differentiating immature germ cells from white blood cells in human seminal fluid. Couture M, et al. **Andrologia** 8(1):61–6, 1976

Effects of environmental factors and of antispermatogenic compounds on the human testis as reflected in seminal cytology. pp. 123–48. MacLeod J.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

The basic and clinical significance of deviations in human seminal cytology. pp. 139–64. MacLeod J.
In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b. (12 ref.)

Effect of thawing rate and post–thaw temperature on motility and acrosomal–maintenance in bovine semen frozen in plastic straws. Senger PL, et al. **J Anim Sci** 42(4):932–6, Apr 76

Effect of selected inhibitors and methylene–blue on a possible phosphogluconate pathway in washed boar sperm. Witters WL, et al. **J Anim Sci** 43(1):159–63, Jul 76

Immature germ cells in the semen of thoroughbred stallions. Swerczek TW. **J Reprod Fertil [Suppl]** (23):135–7, Oct 75

A study of the morphology of stallion semen during the breeding and non–breeding seasons. van der Holst W.
J Reprod Fertil [Suppl] (23):87–9, Oct 75

Scanning electron microscope studies of turkey semen. Marquez BJ, et al. **Poult Sci** 54(4):1139–42, Jul 75

[Morphometirc study of the sperm head in chronic prostatitis] Shroit IG, et al. **Urol Nefrol (Mosk)** (5):47–8, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of androgen on different biochemical constituents of human semen. Roy S, et al. **Andrologia** 7(3):195–8, 1975

Improvement of fertility and semen quality in men treated with a combination of anticongestive and antibiotic drugs. Homonnai TZ, et al. **Int J Fertil** 20(1):45–9, 1975

The effects of alpha–chlorohydrin on the composition of rat and rabbit epididymal plasma: a possible explanation of species difference. Back DJ, et al. **J Reprod Fertil** 45(1):117–28, Oct 75

Treating the subfertile male patient: improvement semen characteristics after low dose androgen therapy. Urry RL, et al. **J Urol** 116(1):54–5, Jul 76

[Study of the effectiveness of some new agents for the deep freezing of bull sperm] Stoianov T, et al.
Vet Med Nauki 12(10):3–9, 1975 **(Bul)**

[Utilization of cyproterone acetate for fertility inhibition in the male. Influence on sexual behavior and sperm biochemistry] Lorenz F, et al. **Arch Gynaekol** 219(1–4):580–1, 18 Nov 75 **(Ger)**

ENZYMOLOGY

Two esterases common to seminal plasma, other external secretions and leucocytes in man. Roberts TK, et al.
Andrologia 8(1):67–71, 1976

Pyridine nucleosidase in bull semen. II. Biochemical properties. Giles KH, et al. **Aust J Biol Sci** 28(3):273–7, Jun 75

Pyridine nucleosidase in bull semen I. Breed and sire differences in enzyme concentration. Macmillan KL, et al.
Aust J Biol Sci 28(3):267–72, Jun 75

DNA–dependent protein methylase activity in bull seminal plasma. Sheid B, et al. **Biochemistry** 14(20):4357–61, 7 Oct 75

Effects of local anaesthetics on phospholipases. Kunze H, et al. **Biochim Biophys Acta** 441(1):93–102, 20 Jul 76

Degradation of double–stranded RNA by a monomeric derivative of ribonuclease BS–1. Libonati M, et al.
Biochim Biophys Acta 402(1):83–7, 6 Aug 75

Endonuclease activity in bull semen, testis and accessory sex organs. Tanigawa Y, et al. **Biol Reprod** 12(4):464–70, May 75

Isolation of a factor from normal human semen that accelerates dissolution of abnormally liquefying semen. Syner FN, et al. **Fertil Steril** 26(11):1064–9, Nov 75

The difference in absorption of bull seminal ribonuclease by organ tissues of juvenile and adult mice. Matoušek J.
Folia Biol (Praha) 21(4):263–9, 1975

Relationship between plasma testosterone and human seminal alkaline phosphatase. Dondero F, et al.
Folia Endocrinol (Roma) 27(6pt2):718–23, Dec 74

Iso–electric focusing of seminal, faecal and vaginal acid phosphatases. Sutton J, et al. **Forensic Sci** 6(1–2):109–14, Aug–Oct 75

An acrosin inhibitor in ram spermatozoa that does not originate from the seminal plasma. Brown CR, et al.
Hoppe Seylers Z Physiol Chem 356(12):1909–13, Dec 75

Antispermatogenic effect of bull semen ribonuclease (RNase BS–1). pp. 301–6. Leone E, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Properties of proteolytic enzymes and inhibitors in human semen. pp. 3–18. Syner FN, et al.
In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b.

Studies on the glycosidases of semen: purification & properties of two hexosaminidases of bull seminal plasma. Kher A, et al. **Indian J Biochem Biophys** 11(4):292–8, Dec 74

Relation of phosphatases in human serum to sperm count and motility. Das RP, et al. **Indian J Med Res** 63(9):1323–6, Sep 75

Human semen ribonuclease. Location, properties and inhibition by sodium dodecyl sulfate, zinc sulfate and EDTA. Mujica A, et al. **Int J Fertil** (2):109–13, 1976

Significance of transaminase determination in seminal fluid. Szöllösi J, et al. **Int Urol Nephrol** 7(3):241–4, 1975

Acidic protease from human seminal plasma. Purification and some properties of active enzyme and of proenzyme. Ruenwongsa P, et al. **J Biol Chem** 250(19):7574–8, 10 Oct 75

The typing of phosphoglucomutase in vaginal material and semen. Price CJ, et al. **J Forensic Sci Soc** 16(1):29–42, Jan 76

Investigations on adenosine 3',5'–monophosphate phosphodiesterase in ram semen and initial characterization of a sperm–specific isoenzyme. Tash JS.
J Reprod Fertil 47(1):63–72, May 76

The activity of some peptide hydrolase enzymes in fresh and stored poultry semen from full sib groups of males and their relationship to fertility. Bernon DE, et al.

Poult Sci 54(5):1492–8, Sep 75

[Electrophoretic studies on the heterogeneity of sperm acid phosphatase and their use in trace studies] Pfiester H, et al. **Beitr Gerichtl Med** 33:255–63, 1975 (Eng. Abstr.) **(Ger)**

[Morphological and biochemical studies of the ejaculate in patients with chronic prostatitis] Zlatkov NB, et al. **Dermatol Monatsschr** 161(2):131–6, Feb 75 (Eng. Abstr.) **(Ger)**

[Comparitive study of phosphatase activity in the seminal plasma of various domestic animals in Egypt (short communication)] El-Naggar MA. **Dtsch Tieraerztl Wochenschr** 82(8):322–4, 5 Aug 75 (Eng. Abstr.) **(Ger)**

[Transaminases and acid phosphatase in the ejaculate and their relation to fertility] Krause W. **Hautarzt** 27(4):171–2, Apr 76 (Eng. Abstr.) **(Ger)**

[Hydrolytic enzyme in boar sperm] Antoniuk VS. **Veterinariia** (10):82–3, Oct 75 **(Rus)**

IMMUNOLOGY

Immunological characteristics of proteins and enzymes from plasma of full stallion semen. Balbierz H, et al. **Bull Acad Pol Sci [Biol]** 23(11):761–4, 1975

Immunological characteristics of proteins and enzymes from semen plasma of stallions collected fractionwise. Balbierz H, et al. **Bull Acad Pol Sci [Biol]** 23(11):765–6, 1975

Concentration of the secretory IgA of seminal fluid in normal subjects, in decreased fertility and in aspermia. Soliman HA, et al. **Clin Chim Acta** 69(3):543–4, 15 Jun 76

The origin of immunoglobulins in semen. Rümke P. **Clin Exp Immunol** 17(2):287–97, Jun 74

The origin of immunoglobulins in semen. Rümke P. **Clin Exp Immunol** 17(2):287–97, Jun 74

Purification and characterization of a sperm-coating antigen from human seminal plasma. Li TS, et al. **Fertil Steril** 27(6):702–12, Jun 76

Evidence of an anti-seminal plasma activity in the sera of infertile males. pp. 307–10. Carretti N. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Antigens of semen and auto-immunity against spermatozoa in inferetile men. pp. 249–69. Hekman A, et al. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.** (137 ref.)

Sperm antibodies in serum and seminal plasma. Husted S, et al. **Int J Fertil** 20(2):97–105, 1975

Absorption activity of the blood group substances in various fractions of split ejaculates from man. Kerék G, et al. **Int J Fertil** 20(2):125–7, 1975

Case report: sterility due to sperm autoagglutination. Makler A. **Int J Fertil** (2):130–2, 1976

Australia antigen (HB Ag) in genitourinary secretions of Nigerians. Osoba AO, et al. **Trop Geogr Med** 27(2):181–4, Jun 75

[Comparative studies on the sensitivity of the Ouchterlony method and cross electrophoresis. Species specificity--immunological identification of sperma] Tröger HD, et al. **Beitr Gerichtl Med** 32:156–8, 1974 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative determination of proteins in the seminal plasma of the aging man] Heitmann HJ. **Fortschr Med** 93(31):1550–2, 6 Nov 75 (Eng. Abstr.) **(Ger)**

[Mycoplasma prostatourethritis. The improtance of immunoelectrophoresis of the ejaculate for the diagnosis] Marx FJ, et al. **Munch Med Wochenschr** 117(24):1023–8, 13 Jun 75 (Eng. Abstr.) **(Ger)**

METABOLISM

On fibrinolysis in reproduction. Liedholm P. **Acta Obstet Gynecol Scand [Suppl]** (41):1–47, 1975

Occurrence of components of the kallikrein-kinin system in human genital tract secretions and their possible function in stimulation of sperm motility and migration. Palm S, et al. **Adv Exp Med Biol** 70(00):271–9, 1976

Sterility of three brothers in connection with a disturbed carbohydrate metabolism in semen. Horst CJ, et al. **Andrologia** 7(1):15–24, 1975

The glutathione and thiol content of mammalian spermatozoa and seminal plasma. Li TK. **Biol Reprod** 12(5):641–6, Jun 75

Occurrence of beta2-microglobulin and post-gamma globulin in human semen. Colle A, et al. **Clin Chim Acta** 67(1):93–7, 16 Feb 76

Comparative aspects of the accessory sex glands and seminal biochemistry of mammals. Rodger JC. **Comp Biochem Physiol [B]** 55(1):1–8, 1976 (53 ref.)

Epididymis and seminal vesicle as sources of carnitine in human seminal fluid: the clinical significance of the carnitine concentration in human seminal fluid. Lewin LM, et al. **Fertil Steril** 27(1):9–13, Jan 76

Formation and functions of aliphatic polyamines in the prostate gland and its secretions. pp. 222–39. Williams-Ashman HG, et al. **In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.** (49 ref.)

Pituitary hormones in human seminal plasma. pp. 121–4. Mondina R, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Steroid pattern of human seminal plasma under normal and pathological conditions. pp. 89–106. Purvis K, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Steroid hormones in human semen. pp. 107–14. Tea NT, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

On the concentrations of some inorganic ions and protein nitrogen in rabbit seminal fluid. Fjellström D, et al. **J Reprod Fertil** 44(3):559–60, Sep 75

The distribution of calcium in bovine spermatozoa and seminal plasma in relation to cold shock. Karagiannidis A. **J Reprod Fertil** 46(1):83–90, Jan 76

Early effects of vasectomy on the protein composition of fluid from the rete testis and epididymis of the rat. Koskimies AI, et al. **J Reprod Fertil** 47(1):141–3, May 76

Prostaglandin concentrations in the semen of hypogonadal men during treatment with testosterone. Skakkebaek NE, et al. **J Reprod Fertil** 47(1):119–21, May 76

Biochemistry of stallion semen. Mann T. **J Reprod Fertil [Suppl]** (23):47–52, Oct 75

Studies on whole semen and epididymal contents in a bull with low post-thawing sperm motility. Soosalu O, et al. **Nord Vet Med** 27(10):518–22, Oct 75

Trends in current research on the metabolism and storage of mammalian semen. Mann T. **Perspect Biol Med** 19(1):59–67, Autumn 75 (35 ref.)

Enzymes and electrolytes in the semen of Japanese quail. Buxton JR, et al. **Poult Sci** 54(5):1556–66, Sep 75

Ribonuclease-sensitive DNA-synthesizing complex in human sperm heads and seminal fluid. Witkin SS, et al. **Proc Natl Acad Sci USA** 72(9):3295–9, Sep 75

The penetration of trimethoprim into seminal fluid and serum. Gnarpe H, et al. **Scand J Infect Dis [Suppl]** (8):50–3, 1976

Magnesium and zinc in seminal fluid of healthy males and patients with non-acute prostatitis with and without gonorrhoea. Colleen S, et al. **Scand J Urol Nephrol** 9(3):192–7, 1975

Cholesteryl sulfate and sterol sulfatase in the human reproductive tract. Lalumière G, et al. **Steroids** 27(2):247–60, Feb 76

[Fructose and the fructolysis index in bull semen] Georgiev G, et al. **Vet Med Nauki** 12(5):27–31, 1975 (Eng. Abstr.) **(Bul)**

[Complex-forming factors in the dilution of bull sperm for deep freezing] Kichev G, et al. **Vet Med Nauki** 12(4):49–53, 1975 (Eng. Abstr.) **(Bul)**

[Cholesterol values in the human ejaculate] Vojkovský P, et al. **Cas Lek Cesk** 115(18):559–60, 7 May 76 (Eng. Abstr.) **(Cze)**

[Relationship of citric acid concentration to various quality indices of the equine ejaculate] Cermák O. **Vet Med (Praha)** 20(4):223–6, Apr 75 (Eng. Abstr.) **(Cze)**

MICROBIOLOGY

Bovine mycoplasmas: identification of 100 strains isolated from semen of bulls. Erno H. **Acta Vet Scand** 16(2):321–3, 1975

Urogenital infection and seminal excretion after inoculation of bulls and rams with chlamydiae. Storz J, et al. **Am J Vet Res** 37(5):517–20, May 76

The effect of natural and artificial breeding using bulls infected with, or semen contaminated with, infectious bovine rhinotracheitis virus. Parsonson IM, et al. **Aust Vet J** 51(8):365–9, Aug 75

The bacteriology of prostatitis and infertility. Horan AH. **Conn Med** 39(7):407–9, Jul 75

Yeasts in bovine semen. Richard JL, et al. **Cornell Vet** 66(3):362–8, Jul 76

The frequency of genital mycoplasma infection in human fertility. Matthews CD, et al. **Fertil Steril** 26(10):988–90, Oct 75

Importance of frozen-stored human semen in the spread of gonorrhea. Sherman JK, et al. **Fertil Steril** 26(11):1043–7, Nov 75

Cytomegalovirus in semen: observations in selected populations. Lang DJ, et al. **J Infect Dis** 132(4):472–3, Oct 75

Control of microflora in stallion semen with a semen extender. Burns SJ, et al. **J Reprod Fertil [Suppl]** (23):139–42, Oct 75

Studies on the possible occurrence of mycoplasmas in boar semen. **Nord Vet Med** 27(11):557–61, Nov 75

The role of Mycoplasma in human infertility. Schoub BD, et al. **S Afr Med J** 50(11):445–7, 13 Mar 76

[Study of the fertility of bull sperm contaminated with Aspergillus fumigatus spores] Venev S. **Vet Med Nauki** 12(10):53–8, 1975 (Eng. Abstr.) **(Bul)**

[Effect of the standard of hygiene in the care for breeding boars and of the technic of semen collection on the number of pathogens in the boar ejaculate] Kozumplík J. **Vet Med (Praha)** 20(9):519–25, Sep 75 (Eng. Abstr.) **(Cze)**

[Hygienic control in breeding of Hannover warm-blooded horses. 2. Drawing and bacteriological examination of presecretion specimens from stallions] Scherbarth R, et al. **Dtsch Tieraerztl Wochenschr** 83(1):1–6, 5 Jan 76 (Eng. Abstr.) **(Ger)**

[Microbial contamination of sperm and fertility] Aliev NIa, et al. **Veterinariia** (7):81–4, Jul 76 **(Rus)**

[Bacterial contamination of bull sperm] Petriankin FP, et al. **Veterinariia** (7):84–5, Jul 76 **(Rus)**

[Microorganism contamination of the sperm of turkey cocks] Shnur AI. **Veterinariia** (1):76–7, Jan 76 **(Rus)**

PHYSIOLOGY

Stimulation of sperm motility by kinins in fresh and 24 hours aged human ejaculates. Schill WB. **Andrologia** 7(2):135–9, 1975

Effect of modified membrane vesicles from seminal plasma on the fertilizing capacity of rabbit spermatozoa. Davis BK, et al. **Biochem Biophys Res Commun** 69(4):1004–10, 19 Apr 76

Proceedings: The results of artificial insemination with frozen semen. Richardson DW. **Br J Obstet Gynaecol** 83(5):411, May 76

Studies on the dilution of turkey semen. Sexton TJ. **Br Poult Sci** 17(2):179–84, Mar 76

Removal of sperm-bound seminal plasma components as a prerequisite to induction of the rabbit acrosome reaction. Oliphant G. **Fertil Steril** 27(1):28–38, Jan 76

Some effects of prostatic and seminal vesicle fluids on sperm motility. p. 195. Eliasson R. **In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.**

Effects of seminal plasma on some functional properties of human spermatozoa. pp. 107–22. Eliasson R, et al. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Evaluation by the heterospermic insemination technique of the differential effect of freezing at--196 degrees C on fertility of individual bull semen. Beatty RA, et al. **J Reprod Fertil** 47(2):377–9, Jul 76

The relationship between semen evaluation methods and fertility in the bull. Linford E, et al. **J Reprod Fertil** 47(2):283–91, Jul 76

Seminal plasma proteins and the reaction of spermatozoa from intact boars and from boars without seminal vesicles to cooling. Moore HD, et al. **J Reprod Fertil** 47(1):39–45, May 76

Electroejaculation, semen characteristics and semen preservation of the brindled gnu. Watson PF. **J Reprod Fertil** 47(1):123–6, May 76

Luteolytic factor in stallion semen. Wodzicka-Tomaszewska M, et al. **J Reprod Fertil** 44(2):297–99, Aug 75

Relationship between gonadotrophins, spermatogenesis and seminal plasma. Franchimont P, et al. **J Steroid Biochem** 6(6):1037–41, Jun 75

Existence of a follicle-stimulating hormone inhibiting factor 'inhibin' in bull seminal plasma. Frachimont P, et al. **Nature** 257(5525):402–4, 2 Oct 75

Canine genetics and frozen semen. Seager SW, et al. **Transplant Proc** 7(4):571–3, Dec 75

[Sperm liquefaction in men from sterile families] Nalbanski B. **Akush Ginekol (Sofiia)** 14(5):383–6, 1975 (Eng. Abstr.) **(Bul)**

[The correlation of morphological and biochemical factors in human ejaculate in various andrological diagnoses. I. Relationship between ejaculate volume, number, motility and morphology of the spermatozoa with regard to age] Schirren C, et al. **Andrologia** 7(2):117–25, 1975 (Eng. Abstr.) **(Ger)**

[Effect of lighting on the resistance and sperm production of boars] Iurkov VM, et al. **Veterinariia** (1):29–32, Jan 76 **(Rus)**

RADIATION EFFECTS

Production measurements affected by X-irradiation of chicken semen. Zartman DL, et al. **Poult Sci** 54(6):2025–30, Nov 75

SECRETION

Neurophpophysial hormones and the emission of semen in rabbits. Agmo AJ. **J Reprod Fertil** 45(2):243–8, Nov 75

Variables affecting 'spontaneous' seminal emission in rats. Beach FA. **Physiol Behav** 15(1):91–5, Jul 75

Studies on the accessory reproductive organs in the drake. 1. Addition to semen on the fluid from the ejaculatory groove region. Nishiyama H, et al. **Poult Sci** 55(1):234–42, Jan 76

ULTRASTRUCTURE

Ultrastructural studies of semen abnormalities and Herpesvirus associated with cultured testicular cells from domestic turkeys. Thurston RJ, et al. **J Reprod Fertil** 45(2):235–41, Nov 75

SEMICARBAZIDES

Reaction of cytidine with semicarbazide in the presence of bisulfite. A rapid modification specific for single-stranded polynucleotide. Hayatsu H. **Biochemistry** 15(12):2677–82, 15 Jun 76

Convulsive seizure induced by intracerebral injection of semicarbazide (an anti-vitamin B6) in the mouse. Yamashita J. **J Nutr Sci Vitaminol (Tokyo)** 22(1):1–6, 1976

ADVERSE EFFECTS

Teratogenic micromelia in the chick embryo: osteo-vasculo-neural macro-relations. Roth M. **Folia Morphol (Praha)** 23(3):236–46, 1975

ANALYSIS

[Thin layer chromatography of some N-glucosylthiosemicarbazides and N-glucosylamino oxadiazoles] Nowakowska Z, et al. **Acta Pol Pharm** 32(6):679–82, 1975 (Eng. Abstr.) **(Pol)**

BLOOD

Partial characterization of the 1-anilino-8-naphthalene sulfonate-adrenochrome semicarbazide interaction site in erythrocyte ghost membrane fragments. Millar DB. **Biophys Chem** 3(4):297–306, Oct 75

PHARMACODYNAMICS

Chromosome damage induced by semicarbazide in spermatocytes of a grasshopper. Bhattacharya K. **Mutat Res** 40(3):237–42, Jul 76

THERAPEUTIC USE

Antiinflammatory and antiproteolytic properties of naphthlthiosemicarbazides and cyclized oxadiazoles. Kishore V, et al. **Res Commun Chem Pathol Pharmacol** 11(4):581–94, Aug 75

SEMICARBAZONES

CHEMICAL SYNTHESIS

Hydrazones of 3-formylrifamycin SV. II – Hydrazide-hydrazones and semicarbazones: synthesis, antibacterial activity and other biological properties. Cricchio R, et al. **Farmaco [Sci]** 30(9):695–703, Sep 75

[Synthesis of barbiturate thio- and selenosemicarbazones] Tsurkan AA, et al. **Farm Zh** 30(6):45–7, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

[Condensation of some thio- and selenosemicarbazones with symmetrical dichloroacetone] Tsurkan OO. **Farm Zh** (5):82–3, Sep–Oct 75 **(Ukr)**

SEMICIRCULAR CANALS

[Determination of the mechanical parameters of the cupulo-endolymphatic system from its anatomical characteristics] Krut'ko VN. **Kosm Biol Aviakosm Med** 9(4):14–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Planar relationships of the semicircular canals in man. Blanks RHI, et al. **Acta Otolaryngol (Stockh)** 80(3–4):185–96, Sep–Oct 75

The orientation of the semicircular canals in the guinea pig. Curthoys IS, et al. **Acta Otolaryngol (Stockh)** 80(3–4):197–205, Sep–Oct 75

The microfissure between the round window niche and the posterior ampulla. Okano Y. **Trans Am Acad Ophthalmol Otolaryngol** 82(3 pt 1):319–20, May–Jun 76

DRUG EFFECTS

[Effect of some antibiotics on semi-circular canal activity in the frog (Rana esculenta)] Gallais A, et al. **C R Soc Biol (Paris)** 169(1):217–21, 1975 (Eng. Abstr.) **(Fre)**

INNERVATION

Discharge properties and innervation of the sensory units in the crista ampullaris. Taglietti V, et al. **Arch Sci Biol (Bologna)** 57(3–4):73–86, Jul–Dec 73

Transfer characteristics of first and second order lateral canal vestibular neurons in gerbil. Schneider LW, et al. **Brain Res** 112(1):61–76, 6 Aug 76

Functional organization of vestibulofastigial projection in the horizontal semicircular canal system in the cat. Furuya N, et al. **Exp Brain Res** 24(1):75–87, 28 Nov 75

Postsynaptic inhibition of oculomotor neurons involved in vestibulo-ocular reflexes arising from semicircular canals of rabbits. Ito M, et al. **Exp Brain Res** 24:273–83, 26 Jan 76

Pathways for the vestibulo-ocular reflex excitation arising from semicircular canals of rabbits. Ito M, et al. **Exp Brain Res** 24:257–71, 26 Jan 76

Behavior of horizontal semicircular canal afferents in alert monkey during vestibular and optokinetic stimulation. Keller EL. **Exp Brain Res** 24(5):459–71, 15 Mar 76

Physiologic characteristics of vestibular first-order canal neurons in the cat. II. Response to constant angular acceleration. Blanks RH, et al. **J Neurophysiol** 38(5):1250–68, Sep 75

Physiologic characteristics of vestibular first-order canal neurons in the cat. I. Response plane determination and resting discharge characteristics. Estes MS, et al. **J Neurophysiol** 38(5):1232–49, Sep 75

Reciprocal synapses in the crista ampullaris: a possible mechanism for hair cell interaction. Dunn RF. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):188–9, Mar–Apr 76

Response properties of spontaneously inactive first-order afferents innervating the isolated guitarfish semicircular canal. O'Leary DP, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):190–1, Mar–Apr 76

[Responses of the units of the nerve of the frog semicircular canal to caloric stimuli of changing amplitude] Orlov IV. **Fiziol Zh SSSR** 61(11):1640–51, Nov 75 **(Rus)**

PHYSIOLOGY

Responses of peripheral vestibular neurons to angular and linear accelerations in the squirrel monkey. Goldberg JM, et al. **Acta Otolaryngol (Stockh)** 80(1–2):101–10, Jul–Aug 75

Interaction between the saccules and the vertical semicircular canals. Siegborn J. **Acta Otolaryngol (Stockh)** 81(1–2):83–90, Jan–Feb 76

The origin of slow potentials in semicircular canals of the frog. Valli P, et al. **Acta Otolaryngol (Stockh)** 81(5–6):395–405, May–Jun 76

Individual semicircular canals and pontine reticular units. Troiani D, et al. **Arch Int Physiol Biochim** 83(2):207–9, May 75

A simple technique for thermal stimulation of single semicircular canals. Mancinelli R. **Arch Ital Biol** 113(3):295–300, Jul 75

Analysis of afferent responses from isolated semicircular canal of the guitarfish using rotational acceleration white-noise inputs. II. Estimation of linear system parameters and gain and phase spectra. O'Leary DP, et al. **J Neurophysiol** 39(3):645–59, May 76

Analysis of afferent responses from isolated semicircular canal of the guitarfish using rotational acceleration white-noise inputs. I. Correlation of response dynamics with receptor innervation. O'Leary DP, et al. **J Neurophysiol** 39(3):631–44, May 76

Parametric study of postrotatory nystagmus in normal squirrel monkeys. Igarashi M, et al. **ORL** 37(4):209–13, 1975

Influence of receptor-receptor fibres on the spontaneous afferent activity from semicircular canals in the frog (Rana esculenta). Caston J, et al. **Pfluegers Arch** 358(1):81–8, 9 Jul 75

Differences between ampullofugal and ampullopetal stimulation of the horizontal semicircular canal: confirmation of Ewald's second law. Owens DE, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):197–200, Mar–Apr 76

[Transformation of angular accelerations by the semicircular canal system of the vestibular apparatus] Gusev VM. **Biofizika** 20(6):1110–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Functional connections of the semicircular canals with the external eye muscles] Sarkisov IIu, et al. **Izv Akad Nauk SSSR [Biol]** (4):586–92, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Equivalence of stop-stimuli to the effect of head rotation in a revolving system on semicircular canal receptors] Sarkisov IIu. **Kosm Biol Aviakosm Med** 9(4):81–3, Jul–Aug 75 **(Rus)**

[Results of physical modeling of the human semicircular canal system. Vestibular apparatus functioning during head oscillations] Petukhov SV. **Probl Kosm Biol** 31:14–64, 1975 **(Rus)**

[Responses of hydrodynamically interacting semicircular canals to an adequate stimulus] Sarkisov IIu. **Probl Kosm Biol** 31:7–14, 1975 **(Rus)**

[Variance in the duration of the postrotational nystagmic reactions to stimulation of the semicircular canals in healthy subjects depending on the individual anatomical difference in the canals (II)] Todorova V, et al. **Zh Ushn Nos Gorl Bolezn** (5):19–23, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Determination of the true median plane by bilateral tomography of the labyrinth and correction by computer] Cousin RP, et al. **Orthod Fr** 46:315–6, 1975 **(Fre)**

SURGERY

[Cryosurgery for Meniere's disease] Rosen G. **Harefuah** 88(12):561–3, 15 Jun 75 (Eng. Abstr.) **(Heb)**

SEMICONDUCTORS

Bone-imaging and semiconductor probe measurements of technetium-99m-polyphosphate in the detection of periapical pathology in the dog. Garcia DA, et al. **Arch Oral Biol** 21(3):167–74, 1976

Chemically sensitive field-effect transistors. Janata J, et al. **Biomed Eng** 11(7):241–5, Jul 76 (17 ref.)

Extracellular potential recordings by means of a field effect transitor without gate metal, called OSFET. Bergveld P, et al. **IEEE Trans Biomed Eng** 23(2):136–44, Mar 76

Development of a miniature pH glass electrode with field-effect-transistor amplifier for biomedical applications. Ahn BK, et al. **Med Biol Eng** 13(3):450–6, May 75

The measurement of air flow in a forced expiration using a pressure-sensitive transistor. Jones DP, et al. **Med Biol Eng** 13(1):71–7, Jan 75

Instrumentation—characteristics of a light emitting diode—transistor photoplethysmograph. Tahmoush AJ, et al. **Psychophysiology** 13(4):357–62, Jul 76

Application of the semiconductor properties of dyes possibilities and problems. Meier H. **Top Curr Chem** 61:85–131, 1976 (176 ref.)

SEMILUNAR BONE

[Etiology of osteomalacia of the lunate bone. Results of serial angiography studies] Steinhüser J, et al. **Z Orthop** 113(4):663–5, Aug 75 **(Ger)**

ABNORMALITIES

[Bilateral anlage of an os hypolunatum, with congenital concrescence of the scaphoid and trapezium] Seibert-Daiker FM. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):463–5, May 75 **(Ger)**

BLOOD SUPPLY

[Anatomical investigation of the blood-supply of the lunate bone (author's transl)] Koken EW. **Z Orthop** 113(6):1022–6, Dec 75 (Eng. Abstr.) **(Ger)**

SURGERY

[Approaches to the semilunar bone and their indications] Meyrueis JP, et al. **J Chir (Paris)** 110(4):317–30, Oct 75 (Eng. Abstr.) **(Fre)**

[Lunatomalacia therapy. II. Operative treatment (author's transl)] Reichelt A, et al. **Arch Orthop Unfallchir** 84(3):299–316, 21 May 76 (Eng. Abstr.) **(Ger)**

[Experiences with alloplastic replacement of semilunar bone in lunatum necrosis] Müller D. **Z Orthop** 113(4):478–9, Aug 75 **(Ger)**

[Silastik endoprosthesis in lunatomalacia] Postel H, et al. **Z Orthop** 113(4):483–4, Aug 75 **(Ger)**

[Size determination of carpal bones for the construction of alloplastic prostheses of the semilunar bone] Schuh R, et al. **Z Orthop** 113(4):479–81, Aug 75 **(Ger)**

SEMILUNAR CARTILAGES

ANATOMY & HISTOLOGY

[Ligaments of the lateral meniscus in the monkey (Ceropithecus aetiops)] Gluhbegović N, et al. **Verh Anat Ges** 68:807–12, 1974 (Eng. Abstr.) **(Ger)**

INJURIES

Arthrography of the knee. II. Isolated and combined lesions. Ringertz HG. **Acta Radiol [Diagn] (Stockh)** 17(2):235–48, Mar 76

[Importance of double-contrast arthrography for the diagnosis of injuries of the meniscus] Mayer G. **Beitr Orthop Traumatol** 22(6):304–7, Jun 75 **(Ger)**

[Problems in evaluation of meniscus injuries in miners] Schramm W. **Hefte Unfallheilkd** (121):266–7, 1975 **(Ger)**

[Treatment of semilunar cartilage injuries in the aged] Tönnis D. **Hefte Unfallheilkd** (121):49–51, 1975 **(Ger)**

[Late results in nonoperated patients with suspected meniscus lesion] Scheidegger A, et al. **Helv Chir Acta** 42(4):485–8, Sep 75 **(Ger)**

[Degenerative meniscus lesions in occupational soccer players—an occupational disease?] Hess H. **Z Orthop** 113(4):669–72, Aug 75 **(Ger)**

[Meniscus lesions in occupational soccer players] Schneider PG. **Z Orthop** 113(4):666–8, Aug 75 **(Ger)**

[Injuries of the knee joint menisci] Mironova ZS. **Khirurgiia (Mosk)** (11):124–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Diagnosis of injuries of the knee joint menisci] Shelukhin NI. **Vestn Khir** 115(8):104, Aug 75 **(Rus)**

[Causes of unfavorable outcome of surgical treatment of injuries of the menisci of the knee joint] Shelukhin NI. **Vestn Khir** 115(7):130–2, Jul 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Cysts of the semilunar cartilage of the knee. A light and electron microscopic study. Hernandex FJ. **Acta Orthop Scand** 47(4):436–40, Aug 76

The pattern of meniscus damage in the rheumatoid arthritis. Kimura C, et al. **Arch Orthop Unfallchir** 83(2):145–51, 27 Oct 75 (Eng. Abstr.)

[On the aetiology and pathogenesis of meniscal 'ganglia' in the knee joint (author's transl)] Uher J, et al. **Acta Chir Orthop Traumatol Cech** 43(2):150–6, May 76 (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

[Role of knee menisci in the transmission of articular forces] Blaimont P, et al. **Acta Orthop Belg [Suppl]** 41(1):143–52, 1975 **(Fre)**

RADIOGRAPHY

[On the problem of arthrographic diagnosis and of consideration of disk menisci tauthor's transl)] Grepl J. **Radiol Diagn (Berl)** 16(5):741–7, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

Mechanical changes in the knee after meniscectomy. Krause WR, et al. **J Bone Joint Surg [Am]** 58(5):599–604, Jul 76

Morphological changes in the articular cartilage after meniscectomy. An experimental study in the monkey. Lutfi AM. **J Bone Joint Surg [Br]** 57(4):525–8, Nov 75

A practical approach for lateral meniscectomy. Pogrund H. **J Trauma** 16(5):365–7, May 76

Editorial: Unnecessary meniscectomy. **Lancet** 1(7953):235–6, 31 Jan 76

[Surgical approach for removal of medial semilunar cartilage of knee joint (author's transl)] Kovanda M, et al. **Acta Chir Orthop Traumatol Cech** 43(3):248–51, Jun 76 (Eng. Abstr.) **(Cze)**

[Gonalgia following meniscectomy. Arthrographic fingings. Review of 200 case records and radio-clinical comparison] Massare C, et al. **Rev Chir Orthop** 61(4):295–310, Jun 75 (Eng. Abstr.) **(Fre)**

[Problems of late sequelae following meniscectomy] Rondi L, et al. **Helv Chir Acta** 42(4):489–92, Sep 75 **(Ger)**

[Meniscotome and wound dilator for meniscectomy] Shelukhin NI. **Vestn Khir** 114(9):124–5, Sep 75 **(Rus)**

[Late results following meniscectomy] Krstić Z, et al. **Vojnosanit Pregl** 32(5):560–2, Sep–Oct 75 (Eng. Abstr.) **(Ser)**

SEMILUNAR GANGLION see under **TRIGEMINAL NERVE**

SEMINAL VESICLES

Spermolithiasis. Bačić J, et al. **Int Urol Nephrol** 7(3):235–9, 1975

Amyloidosis of the lower genitourinary tract. Carris CK, et al. **J Urol** 115(4):423–6, Apr 76

Echinococcal cyst involving the prostate and seminal vesicles: a case report. Deklotz RJ. **J Urol** 115(1):116–7, Jan 76

[Vesiculitis in two stallions (author's transl)] van der Holst W. **Tijdschr Diergeneeskd** 101(7):375–7, 1 Apr 76 (Eng. Abstr.) **(Dut)**

[Rare cause of acute urine retention: a voluminous cyst of the left seminal vesicle. Review of the literature] Doremieux J, et al. **J Urol Nephrol (Paris)** 81(10–11):848–56, Oct–Nov 75 **(Fre)**

[Differential diagnosis of seminal vesiculitis in bulls] Bachmann P. **Schweiz Arch Tierheilkd** 118(1):37–42, Jan 76 (Eng. Abstr.) **(Ger)**

[Hypokinesia and macrometric changes in seminal vesicles] Smol'skiĭ LP. **Kosm Biol Aviakosm Med** 9(6):79–82, Nov–Dec 75 **(Rus)**

ABNORMALITIES

Intercommunicating vas deferens. Beall ME, et al. **J Urol** 116(1):126–7, Jul 76

Crossed ectopia of seminal vesicles, renal aplasia and ectopic ureter. Mellin HE, et al. **J Urol** 115(6):765–6, Jun 76

Two unusual conditions simulating ectopic ureterocele. Unilateral hydrometrocolpos with ipsilateral renal agenesis or hypoplasia, and ectopic ureteral opening into a seminal vesicle. Sutton TJ, et al. **Radiology** 117(2):381–4, Nov 75

[Opening of the ureter into the seminal vesicle and cancer of the testis] Lange D. **J Urol Nephrol (Paris)** 81(7–8):602, Jul–Aug 75 **(Fre)**

ANALYSIS

The free amino acids of the reproductive organs of the male rat: regulation by androgen. Kochakian CD. **Ala J Med Sci** 12(4):336–41, Oct 75

Soluble proteins of guinea pig seminal vesicle lumen: purification and partial characterization. Veneziale CM, et al. **Andrologia** 8(2):73–82, 1976

ANATOMY & HISTOLOGY

Volume estimation of the seminal vesicles by means of transrectal ultrasonotomography: a preliminary report. Tanahashi Y, et al. **Br J Urol** 47(6):695–702, Dec 75

CYTOLOGY

Cytologic features of seminal vesicle epithelium in aspiration biopsy smears of the prostate. Droese M, et al. **Acta Cytol (Baltimore)** 20(2):120–5, Mar–Apr 76

Seminal vesicle epithelium in fine-needle aspiration biopsies of the prostate as a pitfall in the cytologic diagnosis of carcinoma. Koivuniemi A, et al. **Acta Cytol (Baltimore)** 20(2):116–9, Mar–Apr 76

Cells from the seminal vesicles: contaminants of the V–C–E smear. Meisels A, et al. **Acta Cytol (Baltimore)** 20(3):211–9, May–Jun 76

DRUG EFFECTS

Effects of megestrol on oestradiol induced growth of the prostatic lobes and the seminal vesicles in castrated rats. Salander H, et al. **Acta Endocrinol (Kbh)** 82(1):213–24, May 76

Control of the mitotic activity in the rat seminal vesicle by 'chalone'. Söderström KO, et al. **Acta Endocrinol (Kbh)** 81(3):668–72, Mar 76

Effect of cadmium chloride on testis and seminal vesicular fructose contents of shrew (Suncus murinus anderson), gerbil (Meriones hurrianae jerdon) and hedgehog (Hemiechinus auritus collaris). Lohiya NK, et al. **Acta Eur Fertil** 7(1):75–81, Mar 76

Effect of methadone on the male reproductive system. Thomas JA, et al. **Arch Int Pharmacodyn Ther** 215(2):215–21, Jun 75

Maintenance of spermatogenesis and seminal vesicles in the hypophysectomized catfish, Heteropneustes fossilis (Bloch): effects of ovine and salmon gonadotropin, and testosterone. Nayyar SK, et al. **Can J Zool** 54(2):285–92, Feb 76

Some effects of DDT and PCB on the hormonal system in the male mouse. Lundberg C, et al. **Environ Qual Saf [Suppl]** 3:577–80, 1975

Corticosteroid-like effect of cyproterone and cyproterone acetate in mice. Broulik PD, et al. **Experientia** 31(11):1364–5, 15 Nov 75

Action of parachlorophenylalanine on the gonads of male rats. Rabadán FP, et al. **Farmaco [Prat]** 31(3):159–61, Mar 76

Influence of the H-2 system on the sensitivity of vesicular glands to testosterone hormone. Micková M, et al. **Folia Biol (Praha)** 21(6):435–6, 1975

Sensitivity of seminal vesicles to androgen stimulation during puberty in mice: effect of treatment duration. McKinney TD. **J Reprod Fertil** 47(1):115–6, May 76

Effects on long-term cadmium exposure on the seminal vesicles of mice. Nordberg GF. **J Reprod Fertil** 45(1):165–7, Oct 75

Sensitivity to androgen and the immune response: immunoglobulin levels in two strains of mice, one with high and one with low target organ responses to androgen. Cohn DA, et al. **J Reticuloendothel Soc** 20(1):1–10, Jul 76

Biological aspects of antiandrogens. Neri RO, et al. **J Steroid Biochem** 6(6):815–9, Jun 75

On the mechanism of tachyphylaxis to histamine in guinea pig seminal vesicle. Paranipe BD, et al. **Mater Med Pol** 7(4):322–5, Oct–Dec 75

[Synergism and antagonism of some sympathomimetic amines towards noradrenaline in vitro. Study on isolated rat seminal vesicle. II] Valette G. **C R Soc Biol (Paris)** 168(10–11–12):1230–3, 1974 (Eng. Abstr.) **(Fre)**

[Inhibitory action of prolactin on the ultrastructure of seminal vesicules in Discoglossus picuts Otth (Amphibian anuran)] N'Diaye A, et al. **Gen Comp Endocrinol** 28(4):434–45, Apr 76 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

The possible involvement of singlet oxygen in prostaglandin biosynthesis. Rahimtula A, et al. **Biochem Biophys Res Commun** 70(3):893–9, 7 Jun 76

Effect of substrate concentration on inhibition of prostaglandin synthetase of bull seminal vesicles by anti-inflammatory drugs and fenamic acid analogs. Cushman DW, et al. **Biochim Biophys Acta** 424(3):449–59, 26 Mar 76

Enzymatic properties of prostaglandin synthetase from bovine seminal vesicles. Duvivier J, et al. **Biochimie** 57(5):521–8, 1975

Some properties of ribonucleases from Aspergillus saitoi and seminal vesicles immobilized on sepharose 4B activated by cyanogen bromide. Ogi K, et al. **Chem Pharm Bull (Tokyo)** 22(11):2739–43, Nov 74

Proceedings: Properties of solubilized prostaglandin synthetase from sheep vesicular glands. Raz A, et al. **Isr J Med Sci** 11(11):1178, Nov 75

Studies on the state of tyrosyl residues in a ribonuclease from seminal vesicles. Irie M, et al. **J Biochem (Tokyo)** 77(5):1075–84, May 75

Co-oxygenation of organic substrates by the prostaglandin synthetase of sheep vesicular gland. Marnett LJ, et al. **J Biol Chem** 250(21):8510–7, 10 Nov 75

Purification of prostaglandin endoperoxide synthetase from bovine vesicular gland microsomes. Miyamoto T, et al. **J Biol Chem** 251(9):2629–36, 10 May 76

Properties of solubilized prostaglandin synthetase from sheep vesicular glands. Raz A, et al. **Life Sci** 17(6):951–8, 15 Sep 75

Properties of a partially-purified preparation of the prostaglandin-forming oxygenase from sheep vesicular gland. Rome LH, et al. **Prostaglandins** 10(5):813–24, Nov 75

Flurbiprofen-sepharose chromatography of the prostaglandin synthetase from bovine seminal vesicles. Smith WL. **Prostaglandins** 10(6):983–90, Dec 75

IMMUNOLOGY

Tissue-specific antigens and autoantigens in the early developing rabbit male repoductive accessory glands. Vottero-Cima E, et al. **Ann Immunol (Paris)** 126(5–6):629–37, Oct–Dec 75

INNERVATION

Observations on the structure and autonomic innervation of the guinea-pig seminal vesicle and ductus deferens. Al-Zuhair A, et al. **J Anat** 120(1):81–93, Sep 75

Proceedings: Studies on the autonomic innervation of the guinea-pig seminal vesicle and ductus deferens. Al-Zuhair AG, et al. **J Physiol (Lond)** 257(1):9P–11P, May 76

[Studies on the adreno-cholinergic innervation of the seminal vesicles in the rat] Tessitore V, et al. **Arch Ital Anat Embriol** 80(3–4):145–51, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

METABOLISM

Comparative study on the 3H-thymidine index of dorsal epidermis, buccal mucosa, and seminal vesicles in senile male rats. Hornstein OP, et al. **Arch Dermatol Res** 254(1):37–41, 14 Nov 75

The possible involvement of a peroxidase in prostaglandin biosynthesis. O'Brien PJ, et al. **Biochem Biophys Res Commun** 70(3):832–8, 7 Jun 76

Effect of isoproterenol and acetylcholine treatment in vitro on cyclic nucleotides in mouse sex accessory organs. Zepp EA, et al. **Biochem Pharmacol** 25(8):919–22, 15 Apr 76

Effect of sexual maturation and androgens on prostaglandin levels in tissues of the male reproductive system in mice. Badr FM. **Endocrinology** 98(6):1523–7, Jun 76

Critical comment on the 'trophic' influence of the effector organ on the sympathetic nerves of the male sex accessories of the guinea-pig. Sjöstrand NO. **Experientia** 31(12):1428–9, 15 Dec 75

Epididymis and seminal vesicle as sources of carnitine in human seminal fluid: the clinical significance of the carnitine concentration in human seminal fluid. Lewin LM, et al. **Fertil Steril** 27(1):9–13, Jan 76

Androgen binding in male sex organs, with special reference to the human prostate. pp. 676–711. Hansson V, et al. **In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.** (45 ref.)

Hormonal regulation of RNA synthesis. pp. 201–21. Villee CA. **In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.** (51 ref.)

Control of cyclic 3',5'-adenosine monophosphate metabolism in gonadal steroid-sensitive tissues. pp. 391–419. Singhal RL, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.** (93 ref.)

Proceedings: Metabolism and proliferative activity of testosterone. Alison MR, et al. **J Endocrinol** 67(2):8P–9P, Nov 75

Studies on the substrate specificity and inhibition of prostaglandin biosynthesis with methyl branched isomers of eicosa-8, 11, 14-trienoic acid. Do UH, et al. **J Lipid Res** 17(4):424–30, Jul 76

Androgen regulation of RNA synthesis in target tissues. Villee CA, et al. **J Steroid Biochem** 6(5):561–5, May 75 (44 ref.)

Biosynthesis of prostaglandin E1 by human seminal vesicles. Hamberg M. **Lipids** 11(3):249–50, Mar 76

Role of hydroxyl radical scavengers dimethyl sulfoxide, alcohols and methional in the inhibition of prostaglandin biosynthesis. Panganamala RV, et al. **Prostaglandins** 11(4):599–607, Apr 76

The biosynthesis of 1a, 1b-dihomo-PGF2 and 1a,1b-dihomo-PGF2 alpha from 7, 10, 13, 16-docosatetraenoic acid by an acetone-pentane powder of sheep vesicular gland microsomes. Tobias LD, et al. **Prostaglandins** 10(3):443–68, Sep 75

On the phospholipase activity in bovine seminal vesicles and its possible role in the regulation of the prostaglandin biosynthesis. Luckner G, et al. **Z Naturforsch [C]** 30(4):429–33, Jul–Aug 75

MICROBIOLOGY

Herpesvirus type 2: isolation from seminal vesicle and testes. DeTure FA, et al. **Urology** 7(5):541–4, May 76

PATHOLOGY

Primary carcinoma of the seminal vesicle. Case report. Kindblom LG, et al. **Acta Pathol Microbiol Scand [A]** 84(4):301–5, Jul 76

Hormonal implications of chemically induced endocrine tumours in serial transplantation. Randeria JD. **Indian J Cancer** 12(3):279–85, Sep 75

Letter: Carcinoma in situ of the seminal vesicles. **South Med J** 69(4):522, Apr 76

A morphological study of the prostatic lobes and the seminal vesicles of castrated rats injected with oestradiol and/or insulin. Tisell LE, et al. **Urol Res** 4(2):63–9, 23 Jul 76

[The role of cells originating from seminal vesicles in aspiration biopsy smears of the prostate (author's transl)] Droese M, et al. **Urologe [A]** 15(1):18–20, Jan 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

A study of indoles which inhibit pineal antigonadotrophic activity in male hamsters. Reiter RJ, et al. **Endocr Res Commun** 2(3):299–308, 1975

Bull seminal vesicle hemolytic factor. A new phospholipid binding protein. Kysilka C. **FEBS Lett** 56(2):202–4, 15 Aug 75

Facilitation of junction potentials in response to hypogastric nerve stimulation in guinea-pig seminal vesicle. Nakanishi H. **Fukushima J Med Sci** 21(1–2):21–9, Mar 75

Electrical response of the isolated seminal vesicle to hypogastric nerve stimulation in the guinea-pig. Nakanishi H. **Fukushima J Med Sci** 21(3–4):125–31, Sep 75

Examination of the hypothesis that a direct control system exists for the prostate and seminal vesicles. Pierrepoint CG, et al. **J Reprod Fertil** 44(2):395–409, Aug 75 (39 ref.)

[How the circannual sexual cycle of the malefield vole is determined (author's transl)] Delost P, et al. **J Physiol (Paris)** 70(5):521–32, Dec 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Some thoughts on the use of deferentovesiculography (DVG). pp. 539–44. Giannotti P, et al.

In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

[Leiomyosarcoma vesiculae seminalis] Nola P, et al. **Lijec Vjesn** 97(9):513–5, Oct 75 (Eng. Abstr.) **(Cro)**

[Infection of the seminal tract] Boreau J. **Nouv Presse Med** (23):1741–3, 7 Jun 75 **(Fre)**

[Dynamic x-ray study of the seminal ducts in prostate cancer] Klimenko IA. **Vestn Rentgenol Radiol** (2):72–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

SECRETION

The secretory activity of the seminal vesicles in the rat after copulation. Pessah H, et al. **Biol Reprod** 13(5):557–60, Dec 75

Uteroglobin–like antigen in the male genital tract secretions. Beier HM, et al. **Cell Tissue Res** 165(1):1–11, 29 Dec 75

Pathophysiology of the male accessory genital glands. pp. 113–9. Eliasson R.

In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

The role of the copulatory plug in reproduction of the guinea pig. Martan J, et al. **J Exp Zool** 196(1):79–84, Apr 76

[Morphological and biochemical studies on the secretion of seminal vesicles] Beier HM, et al. **Verh Anat Ges** 68:231–45, 1974 (Eng. Abstr.) **(Ger)**

SURGERY

Chronic seminal vesiculosis. Distressing syndrome with surgical cure. Novicki DE, et al. **Urology** 7(2):181–3, Feb 76

ULTRASTRUCTURE

Studies on the androgen dependence of ribosome function in rat seminal vesicle. Tóth M. **Acta Biol Med Ger** 33(5–6):845–54, 1974 (17 ref.)

Alterations in the fine structure of the prostate and seminal vesicle of rats treated with cyproterone acetate. Loving CK, et al. **Anat Rec** 185(1):13–29, May 76

[Morphological observations of the epithelial cells of a prostate and seminal vesicles after vasectomy(author's transl)] Spruch T. **Ann Univ Mariae Curie Sklodowska [Med]** 30:263–75, 1975 (Eng. Abstr.) **(Pol)**

SEMINIFEROUS EPITHELIUM see under **TESTIS**

SEMINIFEROUS TUBULES see under **TESTIS**

SEMLIKI FOREST VIRUS

Inactivation kinetics of some microorganisms subjected to a variety of stresses. Cox CS. **Appl Environ Microbiol** 31(6):836–46, Jun 76

The influence of hyperthermia and poly I:C on Semliki Forest virus infection in mice. Teisner B, et al. **Arch Virol** 48(3):253–9, 1975

Production of defective interfering virus in the brains of mice by an avirulent, in contrast with a virulent, strain of Semliki forest virus. Woodward CG, et al. **Br J Exp Pathol** 56(4):363–72, Aug 75

Antiviral activity of isoquinolines carbazoles and other miscellaneous synthetic chemicals in mice. Ganguly PK, et al. **Indian J Med Res** 63(10):1418–25, Oct 75

Proposed nomenclature for alphavirus polypeptides. **J Gen Virol** 30(2):273, Feb 76

Effect of an inapparent viral encephalitis on the levels of lysosomal glycosidases in mouse brain. Suckling AJ, et al. **J Neurol Sci** 29(1):109–16, Sep 76

ANALYSIS

Protein–bound oligosaccharides of Semliki Forest virus. Mattila K, et al. **Biochim Biophys Acta** 419(3):435–44, 6 Feb 76

Polysomal RNA in Semliki Forest virus infected Aedes albopictus cells. Eaton BT, et al. **J Gen Virol** 29(1):35–49, Oct 75

Tryptic peptide analysis on nonstructural and structural precursor proteins from Semliki Forest virus mutant–infected cells. Lachmi BE, et al. **J Virol** 16(6):1615–29, Dec 75

Microviscosity of togavirus membranes studied by fluorescence depolarization: influence of envelope proteins and the host cell. Moore NF, et al. **J Virol** 19(1):126–35, Jul 76

Properties of Semliki Forest virus nucleocapsid. Söderlund H, et al. **Med Biol** 53(5):412–7, Oct 75 (35 ref.)

Localization of the 26–S RNA sequence on the viral genome type 42–S RNA isolated from SFV–infected cells. Wengler G, et al. **Virology** 73(1):190–9, Aug 76

DRUG EFFECTS

Anti–viral activity of single–stranded homopolynucleotides against encephalomyocarditis virus and Semliki Forest virus in adult mice without interferon induction. Stebbing N, et al. **J Gen Virol** 30(1):21–39, Jan 76

Fluorosugars inhibit biological properties of different enveloped viruses. Schmidt MF, et al. **J Virol** 18(3):819–23, Jun 76

Some properties of the surface of formalin–inactivated Semliki Forest virus after treatment with tween 80–tri (n–butyl) phosphate or saponin. Mussgay M, et al. **Zentralbl Veterinaermed [B]** 23(5–6):447–57, Jun 76

GROWTH & DEVELOPMENT

Effect of tetraethyl thiuram disulfide (disulfiram) on the multiplication of enveloped viruses. Carić–Lazar M, et al. **Arch Virol** 48(4):297–306, 1975

Replication of arboviruses in mouse organ cultures. II. Multiplication of virulent and avirulent Semliki Forest and western equine encephalitis viruses in mouse organ cultures. Pattyn SR, et al. **Arch Virol** 41(1):33–7, 1975

Defective–interfering particles of Semliki Forest virus: intracellular events during interference. Bruton CJ, et al. **J Gen Virol** 31(3):397–416, Jun 76

An electron–microscopic study of the development of virulent and avirulent strains of Semliki forest virus in mouse brain. Pathak S, et al. **J Neurol Sci** 28(3):289–300, Jul 76

Protein synthesis in BHK–21 cells infected with semliki forest virus. Wengler G. **J Virol** 17(1):10–9, Jan 75

Replication of Semliki Forest virus. Kääriäinen L, et al. **Med Biol** 53(5):342–51, Oct 75 (57 ref.)

Defective interfering particles of Semliki Forest virus generated in BHK cells do not interfere with viral RNA synthesis in Aedes albopictus cells. Eaton BT. **Virology** 68(2):534–8, Dec 75

Effect of infection with enveloped viruses on nucleotide metabolism. Hammer G, et al. **Virology** 70(1):238–40, Mar 76

[Interferon production in vitro (by leukocytes) in response to arbovirus infections] Fomina AN, et al. **Vopr Virusol** (3):302–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Some properties of togavirus hemagglutinin studied with the aid of kaolin–adsorbed virus. Akov Y. **Arch Virol** 51(1–2):99–106, 1976

Protection of mice against cancer by immunization with membranes but not purified virions from virus infected cancer cells. Griffith IP, et al. **Br J Cancer** 31(6):603–13, Jun 75

ISOLATION & PURIFICATION

[Identification of a group A arbovirus isolated in the Far East] Gaidamovich SIa, et al. **Vopr Virusol** (3):317–20, May–Jun 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Transitional control in Semliki forest virus infected cells. Kääriäinen L, et al. **Ann Microbiol (Paris)** 127A(1):197–203, Jan 76

Biological activity of in vitro synthesised protein: binding of Semliki Forest virus capsid protein to the large ribosomal subunit. Glanville N, et al. **Biochem Biophys Res Commun** 71(1):393–9, 12 Jul 76

Inhibition of phosphatidylethanolamine biosynthesis in baby hamster kidney–21 cells infected with Semliki Forest virus. Vance DE, et al. **Can J Biochem** 53(9):950–7, Sep 75

Simultaneous translation of structural and nonstructural proteins from Semliki–forest–virus RNA in two eukaryotic systems in vitro. Glanville N, et al. **Eur J Biochem** 64(1):167–75, 15 Apr 76

The post–translational processing of Semliki forest virus structural polypeptides in puromycin treated cells. Söderlund H. **FEBS Lett** 63(1):56–8, 15 Mar 76

Synthesis of the structural proteins of Semliki forest virus. pp. 255–8. Clegg C, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of Semliki forest virus RNAs in vivo and in vitro. pp. 265–72. Kääriäinen L, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Semliki Forest virus intracellular RNA: properties of the multi–stranded RNA species and kinetics of positive and negative strand synthesis. Bruton CJ, et al. **J Gen Virol** 28(1):111–27, Jul 75

Initiation of synthesis of the structural proteins of Semliki Forest virus. Clegg JC, et al. **J Mol Biol** 97(4):401–11, 5 Oct 75

Effect of impaired glycosylation on the biosynthesis of Semliki forest virus glycoproteins. Kaluza G. **J Virol** 16(3):602–12, Sep 75

Early synthesis of Semliki Forest virus–specific proteins in infected chicken cells. Kaluza G. **J Virol** 19(1):1–12, Jul 76

Translation of Semliki forest virus 42S and 26S RNAs in two eukaryotic cell–free protein synthesising systems. Glanville N, et al. **Med Biol** 53(5):387–9, Oct 75

Polysomes and initiation complexes in vitro induced by Semliki Forest virus 42S and 26S RNA. Ranki M, et al. **Med Biol** 53(5):395–9, Oct 75

Interference with the glycosylation of Semliki Forest virus proteins. Scholtissek C, et al. **Med Biol** 53(5):357–64, Oct 75

Translation of Semliki forest virus 42S and 26S RNAs in a cell–free system derived from Escherichia coli. Uomala P, et al. **Med Biol** 53(5):390–4, Oct 75

Sequential translation of nonstructural proteins in cells infected with a Semliki Forest virus mutant. Lachmi BE, et al. **Proc Natl Acad Sci USA** 73(6):1936–40, Jun 76

PATHOGENICITY

Immunomodification and the expression of virulence in mice by defined strains of Semliki Forest virus: the effects of myocrisin and l–asparaginase. Bradish CJ, et al. **J Gen Virol** 28(2):239–50, Aug 75

Immunomodification and the expression of virulence in mice by defined strains of Semliki Forest virus: the effects of cyclophosphamide. Bradish CJ, et al. **J Gen Virol** 28(2):225–37, Aug 75

Mouse encephalitis induced by avirulent Semliki forest virus. Chew–Lim M. **Vet Pathol** 12(5–6):387–93, 1975

ULTRASTRUCTURE

Solubilization of the Semliki Forest virus membrane with sodium deoxycholate. Helenius A, et al. **Biochim Biophys Acta** 436(2):319–34, 17 Jun 76

Semlike Forest virus membrane proteins. Preparation and characterization of spike complexes soluble in detergent–free medium. Helenius A, et al. **Biochim Biophys Acta** 436(4):895–9, 15 Jul 76

Defective–interfering particles of Semliki Forest Virus: structural differences between standard virus and defective–interfering particles. Bruton CJ, et al. **J Gen Virol** 31(3):383–95, Jun 76

SEMUSTINE see under **NITROSOUREA COMPOUNDS**

SENDAI VIRUS

Suppression of pulmonary antibacterial activity following Sendai virus infection in mice: dependence on virus dose. Jakab GJ. **Arch Virol** 48(4):385–90, 1975

Stimulation of virus–induced fusion of Ehrlich ascites tumor cells by 3',5'–cyclic AMP. Oki K, et al. **Biochem Biophys Res Commun** 67(1):331–7, 3 Nov 75

Effects of calcium ions and the bivalent cation ionophore A23187 on the agglutination and fusion of chicken erythrocytes by Sendai virus. Hart CA, et al. **Biochem J** 158(1):141–5, 15 Jul 76

Virally mediated membrane changes: inverse effects on transport and diffusion. Pasternak CA, et al. **Biochem J** 144(3):593–5, Dec 74

Optimal conditions for the fusion of lymphoid cell lines. Stadler JK, et al. **In Vitro** 11(4):224–9, Jul–Aug 75

Proceedings: Involvement of sulfhydryl groups in the virus–induced cell fusion process. Michaeli D, et al. **Isr J Med Sci** 11(11):1185–6, Nov 75

Defect in intracellular killing of Staphylococcus aureus within alveolar macrophages in Sendai virus–infected murine lungs. Jakab GJ, et al. **J Clin Invest** 57(6):1533–9, Jun 76

'Phagocytosis' of sendai virus by model membranes. Haywood AM. **J Gen Virol** 29(1):63–8, Oct 75

Experimental panencephalitis induced in suckling mice, by parainfluenza type 1 (6/94) virus, II. Virologic studies. Gilden DH, et al. **J Neuropathol Exp Neurol** 35(3):259–70, May 76

Experimental panencephalitis induced in suckling mice by parainfluenza type 1 (6/94) virus. I. Clinical and pathological features. Rorke LB, et al. **J Neuropathol Exp Neurol** 35(3):247–58, May 76

Experimental panencephalitis induced in suckling mice by parainfluenza I (6/94) virus. III. Ultrastructural studies. Wolinsky JS, et al. **J Neuropathol Exp Neurol** 35(3):271–86, May 76

Proceedings: Electrophysiological study of cell fusion reaction by virus HVJ. Sugano Y, et al. **J Physiol Soc Jpn** 36(8–9):351, 1 Sep 74

A proposal for designation of Sendai virus proteins. Homma M, et al. **Jpn J Microbiol** 19(6):467–70, Dec 75

Transfer of tRNAs to somatic cells mediated by Sendai–virus–induced fusion. Kaltoft K, et al. **Proc Natl Acad Sci USA** 73(8):2793–7, Aug 76

Restoration of ultraviolet–induced unscheduled DNA synthesis of xeroderma pigmentosum cells by the concomitant treatment with bacteriophage T4 endonuclease V and HVJ (Sendai virus). Tanaka K, et al. **Proc Natl Acad Sci USA** 72(10):4071–5, Oct 75

Naturally–occurring Sendai virus infection of athymic nude mice. Ward JM, et al. **Vet Pathol** 13(1):36–46, 1976

[Formation of polysomes in virus–specific RNA in the transcriptive complex of Sendai virus infected cells] Bukrinskaia AG, et al. **Biokhimiia** 40(4):675–82, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Isolation and characterization of Sendai virus DI–RNAs. Kolakofsky D. **Cell** 8(4):547–55, Aug 76

Isolation of RNA transcripts from the entire Sendai viral genome. Roux L, et al. **J Virol** 16(6):1426–34, Dec 75

Isolation, purification and characterization of polypeptides of influenza and parainfluenza viruses. Note I. The effect of certain detergents on the disruption of influenza virus type A0PR8 (H0N1) and parainfluenza virus type I (Sendai). Popa LM, et al. **Rev Roum Virol** 25(3):235–45, 1974

Isolation, purification and characterization of polypeptides of influenza and parainfluenza viruses. II. Polypeptides of parainfluenza virus type 1 (Sendai). Popa LM, et al. **Rev Roum Virol** 25(4):337–42, 1974

The smallest protein of Sendi virus: its candidate function of binding nucleocaspsid to envelope. Shimizu K, et al. **Virology** 67(2):427–37, Oct 75

DRUG EFFECTS

Interaction of Sendai virus with human erythrocytes. III. Further investigation on the effects of pyridine on the virus envelope. Cassone A, et al. **Boll Ist Sieroter Milan** 54(5):359–66, 20 Nov 75

In vitro and in vivo effect of 1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide (ribavirin) on types 1 and 3 parainfulenza virus infections. Sidwell RW, et al. **Chemotherapy** 21(3–4):205–20, 1975

Effect of ceruloplasmin on Sendai virus multiplication in chorioallantoic membrane fragments. Samuel I, et al. **Virologie** 26(2):117–23, 1975

[Antiviral effects of some biguanide derivatives] Denys A, et al. **Med Dosw Mikrobiol** 28(1):77–82, 1976 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Interferon production by human leukaemic leucocytes. Hadházy G, et al. **Acta Microbiol Acad Sci Hung** 23(1):15–22, 1976

In vivo studies of parainfluenza I (6/94) virus: mononuclear cell interactions. Wolinsky JS, et al. **Arch Virol** 41(1):25–31, 1975

Persistent parainfluenza type 1 (6/94) infection of brain cells in tissue culture. Wroblewska Z, et al. **Arch Virol** 50(4):287–303, 1976

Influence of oxygen and culture media on maintenance of whole hamster trachea organ cultures and replication of Sendai virus. Schiff LJ, et al. **J Clin Microbiol** 1(1):44–9, Jan 75

Relationship between establishment of persistent infection of haemagglutinating virus of Japan and the properties of the virus. Nishiyama Y, et al. **J Gen Virol** 32(1):73–83, Jul 76

Enhancement of polysome formation and protein synthesis in Sendai virus-infected cells. Zaides VM, et al. **J Gen Virol** 31(2):193–7, May 76

High-titer replication of nondefective Sendai virus in MDBK cells. Famulari NG, et al. **J Virol** 17(2):597–604, Feb 76

Trypsin action on the growth of Sendai virus in tissue culture cells. IV. Evidence for activation of sendai virus by cleavage of a glycoprotein. Ohuchi M, et al. **J Virol** 18(3):1147–50, Jun 76

Interferon production in L cells persistently infected with hemagglutinating virus of Japan (HVJ). Ito Y, et al. **Virology** 71(2):463–70, Jun 76

Protease activation mutants of sendai virus. Activation of biological properties by specific proteases. Scheid A, et al. **Virology** 69(1):265–77, Jan 76

Membrane (M) protein of HVJ (Sendai virus): its role in virus assembly. Yoshida T, et al. **Virology** 71(1):143–61, May 76

[Localization of genome RNA synthesis in Sendai virus] Bakunts KA, et al. **Vopr Virusol** (6):681–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Synthesis of virus-specific macromolecules and virion maturation in chick embryo cells infected with Sendai virus] Selimova LM, et al. **Vopr Virusol** (1):36–44, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Protein metabolism in chick embryo cells infected with Sendai virus] Zaides VM, et al. **Vopr Virusol** (1):44–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Anti-neuraminidase antibody response in hamsters experimentally infected with Sendai virus. Profeta ML. **Ann Sclavo** 17(6):884–92, Nov–Dec 75

Cell-mediated cytotoxicity against murine cells infected with 6/94 virus, a parainfluenza type 1 isolate from multiple sclerosis brain tissue. Lewandowski LJ, et al. **Infect Immun** 13(3):712–21, Mar 76

Antigenic variation among parainfluenza type 1 (Sendai) viruses: analysis of 6/94 virus. Lief FS, et al. **Intervirology** 5(1–2):1–9, 1975

Glycoproteins of Sendai virus: purification and antigenic analysis. Urata DM, et al. **Intervirology** 6(2):108–14, 1975–76

Carrier state of antibody and viruses in a mouse breeding colony persistently infected with Sendai and mouse hepatitis viruses. Fujiwara K, et al. **Lab Anim Sci** 26(2 Pt 1):153–9, Apr 76

On the study of Sendai virus hemolysis. I. Complete Sendai virus lacking in hemolytic activity. Homma M, et al. **Virology** 71(1):41–7, May 76

Cell-mediated cytotoxicity against Sendai-virus-infected cells. Ertl H, et al. **Z Immunitaetsforsch** 152(2):128–40, Sep 76

ISOLATION & PURIFICATION

Plaque assay of Sendai virus in monolayers of a clonal line of porcine kidney cells. Ito H. **J Clin Microbiol** 3(2):91–5, Feb 76

METABOLISM

Characteristics of Sendai virus RNA transcriptive complex formed in the cytoplasm of infected ascites cells. Vladimirtseva EA, et al. **Acta Virol (Praha)** 19(5):374–80, Sep 75

Specific cleavage of Sendai virus nucleocapsid protein subunits during virus storage. Popa LM, et al. **Arch Virol** 48(4):289–95, 1975

Antigenomes in sendai virions and sendai virus infected cells. pp. 149–52. Kolakofsky D, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Activation of cell fusion and infectivity by proteolytic cleavage of a Sendai virus glycoprotein pp. 645–59. Scheid A, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (32 ref.)

Synthesis of complementary RNA containing polyadenylic acid by Sendai virions in vitro. Colonno RJ, et al. **J Virol** 17(3):737–44, Mar 76

Kinetics of utilization of Sendai virus RNA and protein in the process of virion assembly. Famulari NG, et al. **J Virol** 17(2):605–13, Feb 76

Interaction of paramyxovirus with erythrocyte membranes modified by concanavalin A. Yamamoto K, et al. **Nature** 250(5466):511–3, 9 Aug 74

The synthesis of sendai virus polypeptides in infected cells. Lamb RA, et al. **Virology** 69(1):116–31, Jan 76

A temperature-sensitive mutant of Sendai virus with an altered hemagglutinin-neuraminidase polypeptide: consequences for virus assembly and cytopathology. Portner A, et al. **Virology** 67(1):179–87, Sep 75

A temperature-sensitive mutant of Sendai Virus with an altered hemagglutinin-neuraminidase polypeptide: consequences for virus assembly and cytopathology. Portner A, et al. **Virology** 67(1):179–87, Sep 75

Regulatory events in the synthesis of Sendai virus polypeptides and their assembly into virions. Portner A, et al. **Virology** 73(1):79–88, Aug 76

PATHOGENICITY

Pathogenesis of Sendai virus infection in the central nervous system of mice. Shimokata K, et al. **Infect Immun** 13(5):1497–502, May 76

PHYSIOLOGY

Effects of thiol reagents on virus- and chemically induced fusion of erythrocytes. Hart CA, et al. **Biochem Soc Trans** 3(5):734–6, 1975

Effects of detergents on virus- and chemically induced fusion of erythrocytes. Hart CA, et al. **Biochem Soc Trans** 3(5):733–4, 1975

[Host-induced modification of hemagglutinating virus of Japan (HVJ, Sendai virus) (author's transl)] Homma M. **Virus (Tokyo)** 25(1–2):7–18, Sep 75 **(Jpn)**

ULTRASTRUCTURE

Modification of cell membranes with viral envelopes during fusion of cells with HVJ (Sendai virus). Okada Y, et al. **Exp Cell Res** 93(2):368–78, Jul 75

Modification of cell membranes with viral envelopes during fusion cells with HVJ (Sendai virus). II. Effects of pretreatment with a small number of HVJ. Okada Y, et al. **Exp Cell Res** 93(2):379–87, Jul 75

On the study of Sendai virus hemolysis. II. Morphological study of envelop fusion and hemolysis. Shimizu YK, et al. **Virology** 71(1):48–60, May 76

SENECIO

Changes in calves and rats consuming milk from cows fed chronic lethal doses of Senecio jacobaea (tansy ragwort). Johnson AE. **Am J Vet Res** 37(1):107–10, Jan 76

[Effect of nitroglycerin and platyphilline on hemodynamics in patients with coronary insufficiency caused by arteriosclerosis] Shershnev VG, et al. **Vrach Delo** (11):10–2, Nov 75 (Eng. Abstr.) **(Rus)**

SENESCENCE see **AGING**

SENNA

ANALYSIS

[Determination of anthracene derivatives in suppositories made of senna extract] Sollogub LV, et al. **Farmatsiia** 24(3):75–6, May–Jun 75 **(Rus)**

METABOLISM

Distribution of anthraquinones in Senna plants. El-Gengaihi S, et al. **Planta Med** 27(4):349–53, Jun 75

SENSATION

see related
PERCEPTION

Some analyses of the information processing and sensory capacities of alcoholic Korsakoff patients. Butters N, et al. **Adv Exp Med Biol** 59:595–604, 1975

Optimal stimulation as theoretical basis of hyperactivity. Zentall S. **Am J Orthopsychiatry** 45(4):549–63, Jul 75

Letter: Sensory losses in poliomyelitis. Seggey J, et al. **Arch Neurol** 33(9):664, Sep 76

Hypersensitive and insensitive extremities. The dermatological aspects. Moschella SL. **Br J Dermatol** 93(2):151–8, Aug 75

Intervention with premature human infants. Cornell EH, et al. **Child Dev** 47(1):32–9, Mar 76

Quantitative assessment of oral tactile sensitivity in pre-term and term neonates, and comparison with adults. Thach BT, et al. **Dev Med Child Neurol** 18(2):204–12, Apr 76

Proceedings: Slow hedonic hypersynchrony in children with brain damage. Lesný I.
Electroencephalogr Clin Neurophysiol 39(4):440, Oct 75

The determination of equal comfort zones for whole-body vibration. Oborne DJ, et al. **Ergonomics** 17(6):769–82, Nov 74

A laser stimulator for the study of cutaneous thermal and pain sensations. Meyer RA, et al.
IEEE Trans Biomed Eng 23(1):54–60, Jan 76

Sensation and behavior. pp. 1–14. Foley JM.
In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974.

Recent research on oral sensation and perception related to speech facilitation. pp. 76–9. Clark RM.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Oral sensory-perceptual profiles of cleft palate individuals. pp. 282–6. LaPointe LL, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Oral-facial sensation in the control of mastication and voluntary movements of the jaw. pp. 145–56. Lund JP.
In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.

Scales for physical and social anhedonia. Chapman LJ, et al. **J Abnorm Psychol** 85(4):374–82, Aug 76

Threshold adaptation of hearing and vibratory sensation. Young IM. **J Am Audiol Soc** 1(3):102–8, Nov–Dec 75

Effects of temperature and wind on facial temperature, heart rate, and sensation. LeBlanc J, et al. **J Appl Physiol** 40(2):127–31, Feb 1976

Tenderness at motor points. A diagnostic and prognostic aid for low-back injury. Gunn CC, et al.
J Bone Joint Surg [Am] 58(6):815–25, Sep 76

A method of studying the effects of reduced alveolar support on the sensibility to axial force on the incisor teeth in humans. Edel A, et al. **J Clin Periodontol** 2(4):218–25, 1975

Augmenting-reducing and sensation seeking: a test of Sales' hypothesis. Kish GB, et al. **J Clin Psychol** 32(2):302–5, Apr 76

A-B as a measure of external sensation seeking. Kulberg GE, et al. **J Clin Psychol** 32(3):572–6, Jul 76

Sensory feedback for powered limb prostheses. Rohland TA. **Med Biol Eng** 13(2):300–1, Mar 75

On a possible advantage accompanying blindness. Haddow A. **Perspect Biol Med** 18(2):208–10, Win 75

Breast sensation before and after plastic surgery. Courtiss EH, et al. **Plast Reconstr Surg** 58(1):1–13, Jul 76

Restoration of sensation to an anesthetic hand by a free neurovascular flap from the foot. Daniel RK, et al. **Plast Reconstr Surg** 57(3):275–80, Mar 76

A sensory cross-finger flap for use on the index finger. Joshi BB. **Plast Reconstr Surg** 58(2):210–3, Aug 76

Cystometry. V. Bladder sensation. Bradley WE, et al. **Urology** 6(5):654–8, Nov 75

[Reestablishment of sensation in the distal phalanges using innervated flaps or grafts] Berger A, et al. **Handchirurgie** 7(4):169–71, 1975 (Eng. Abstr.) **(Ger)**

[Construction of a finger substitute with sensation following the loss of all fingers] Kunert P, et al. **Handchirurgie** 7(4):173–5, 1975 (Eng. Abstr.) **(Ger)**

[Correlation between sensory action potentials and vibratory perception in uremic polyneuropathy (author's transl)] Duensing F, et al. **J Neurol** 209(4):243–53, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Analysis of sensation during the occurrence of frontal theta wave] Yamaguchi Y, et al. **J Physiol Soc Jpn** 36(8–9):318, 1 Sep 74 **(Jpn)**

[Pneumatic algesimeter] Mogutin BM, et al. **Vestn Oftalmol** (1):82–3, 1976 **(Rus)**

[Pneumatic esthesiometer] Tsvetkov VL. **Vestn Oftalmol** (1):79, 1976 **(Rus)**

[Features of the senestopathic syndrome in children and adolescents with lesions of the deep structures of the brain] Chapinskii IuM. **Zh Nevropatol Psikhiatr** 75(10):1559–61, 1975 (Eng. Abstr.) **(Rus)**

[A model of pathological states of the sensory system] Korzh NN, et al. **Zh Nevropatol Psikhiatr** 75(11):1660–5, 1975 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of vapor phase pollutants on nervous system and sensory function. pp 193–216. Henkin RI.
In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974. (110 ref.)

Observations on sensory and sympathetic function during intrathecal analgesia. Nathan PW.
J Neurol Neurosurg Psychiatry 39(2):114–21, Feb 76

[Feeling of sand in the eyes and hormonal contraceptives (authors transl)] Ruprecht KW, et al.
Klin Monatsbl Augenheilkd 168(02):198–204, Feb 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Sensory mechanisms of learning in the behaviour of newborn kittens.ation/*physiol Shuleikina KV.
Act Nerv Super (Praha) 18(1–2):48–50, Jun 76

The self-inhibited leaky integrator: transfer functions and

steady state relations. Barbi M, et al. **Biol Cybern** 20(1):51–9, 1 Oct 75

On the stochastic dynamics of neuronal interaction. Sejnowski TJ. **Biol Cybern** 22(4):203–11, 17 May 76

Bilateral sensory neglect following midsagittal reticular formation lesions in cats. Greeley HP, et al. **Brain Behav Evol** 12(1–2):57–74, 1975

Thalamic, callosal and reticular converging inputs to parietal association cortex in cat. Kitsikis A, et al. **Brain Res** 93(3):516–24, 15 Aug 75

Effect of sensory stimulation on the uptake and incorporation of radioactive lysine into protein of mouse brain and liver. Rees HD, et al. **Brain Res** 68(1):143–56, 15 Mar 74

Patterns of brain activity revealed by measurements of regional cerebral blood flow. pp. 397–413. Ingvar DH.

In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.

Cortical representation of evoked potentials relative to conscious sensory responses, and of somatosensory qualities—in man. pp. 291–308. Libet B, et al.

In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Sensory and perceptive factors in emotional functions of the triune brain. pp. 71–92. MacLean PD.

In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975. (75 ref.)

Cues in sensori-motor synchronization. pp. 517–22. Fraisse P.

In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Medical modification of sensation. Hodge CJ Jr, et al. **J Neurosurg** 44(1):21–8, Jan 76

Inhibition of cortical evoked potentials and sensation by self-initiated movement in man. Papakostopoulos D, et al. **Nature** 258(5533):321–4, 27 Nov 75

Primary sensory symptoms in parkinsonism. Snider SR, et al. **Neurology (Minneap)** 26(5):423–9, May 76

The effect of focused ultrasound on the skin and deep nerve structures of man and animal. Gavrilov LR, et al. **Prog Brain Res** 43:279–92, 1976

[Thermal sensation and the thermoregulatory vascular reactions in man] Evlampieva MN. **Biull Eksp Biol Med** 80(10):10–2, Oct 75 (Eng. Abstr.) **(Rus)**

[The heterosensory interaction of neurons in the cat frontal association cortex] Orlov AA, et al. **Fiziol Zh SSSR** 61(7):991–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Changes in the activity of the cat sensomotor cortex under heterosensory stimulation] Pirogov AA, et al. **Fiziol Zh SSSR** 62(1):3–9, Jan 76 (Eng. Abstr.) **(Rus)**

[Discrete tracking as a means of measuring the functional characteristics of sensory systems] Kravtsov AB, et al. **Nerv Sist** 15:127–32, 1975 **(Rus)**

[The effect of disconnecting the hippocampus from the septum on the activity of septal neurons] Brazhnik ES, et al. **Zh Vyssh Nerv Deiat** 25(5):1044–52, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The role of Schaffer's collaterals in the sensory responses of the neurons of hippocampal field CA1] Kichigina VF, et al. **Zh Vyssh Nerv Deiat** 25(6):1266–73, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Electrographic registration of metabolic changes in the cerebral cortex evoked by sensory stimuli] Shvets TB. **Zh Vyssh Nerv Deiat** 25(1):134–43, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Sensory characteristics of the cortical input of the hippocampus, the dentate fascia] Vinogradova OS, et al. **Zh Vyssh Nerv Deiat** 25(2):410–20, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

SENSE ORGANS

see related
RECEPTORS, NEURAL

Nematode sense organs. McLaren DJ. **Adv Parasitol** 14:195–265, 1976 (174 ref.)

Structural and functional aspects of sense organs on the maxillary palps of Calliphora vicina. van der Starre H, et al. **J Insect Physiol** 22(6):855–63, 1976

ANATOMY & HISTOLOGY

The nature and development of sex attractant specificity in cockroaches of the genus Periplaneta. I. Sexual dimorphism in the distribution of antennal sense organs in five species. Schafer R, et al. **J Morphol** 149(2):139–57, Jun 76

[New findings on the neuronal organization of pineal sense organs] Wake K, et al. **Verh Anat Ges** 68:419–25, 1974 (Eng. Abstr.) **(Ger)**

[The receptor zone of the video-acoustic system of the sperm whale] Kozak VA. **Fiziol Zh** 20(3):317–21, May–Jun 74 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

[Antiseptics—sense organs—adverse effects] Løokken P, et al. **Nor Tannlaegeforen Tid** 86(5):224, May 76 **(Nor)**

[Antiseptics—sense organs—adverse effects] Lokken P, et al. **Tidsskr Nor Laegeforen** 96(16):948–9, 10 Jun 76 **(Nor)**

EMBRYOLOGY

Structure and development of antennae in a moth, Manduca sexta. Sanes JR, et al. **Dev Biol** 51(2):280–99, 15 Jul 76

Origin and morphogenesis of sensory neurons in an insect antenna. Sanes JR, et al. **Dev Biol** 51(2):300–19, 15 Jul 76

Expression of homeotic mutations in duplicated and regenerated antennae of Drosophila melanogaster. Gehring WJ, et al. **J Embryol Exp Morphol** 33(2):459–69, Apr 75

GROWTH & DEVELOPMENT

Development of the head skeleton and pectoral girdle in Esox. Jollie M. **J Morphol** 147(1):61–88, Sep 75

INNERVATION

Inputs from the posterior lateral line nerves upon the goldfish Mauthner cells. II. Evidence that the inhibitory components are mediated by interneurons of the recurrent collateral network. Faber DS, et al. **Brain Res** 96(2):349–56, 17 Oct 75

Inputs from the posterior lateral line nerves upon the goldfish Mauthner cell. I. Properties and synaptic localization of the excitatory component. Korn H, et al. **Brain Res** 96(2):342–8, 17 Oct 75

Integration in the crayfish antennal neuropile: topographic representation and multiple-channel coding of mechanoreceptive submodalities. Taylor RC. **J Neurobiol** 6(5):475–99, Sep 75

Physical and physiological properties of the crayfish antennal flagellum. Taylor RC. **J Neurobiol** 6(5):501–19, Sep 75

Müller's doctrine of specific nerve energies. A reevaluation in view of perceptual development. Lian A. **Scand J Psychol** 17(2):133–41, 1976

METABOLISM

Measurement of potassium and chloride ion concentrations in the cupulae of the lateral lines of Xenopus laevis. Russell IJ, et al. **J Physiol (Lond)** 257(1):245–55, May 76

PHYSIOLOGY

ATP reception by the tsetse fly, Glossina morsitans West. Mitchell BK. **Experientia** 32(2):192–4, 15 Feb 76

Mechanisms of electrical membrane responses in sensory receptors, illustrated by mechanoreceptors. pp. 367–90. Thurm U.

In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. (59 ref.)

Behavioural and electrophysiological studies of taste discrimination by the maxillary palps of larvae of Locusta migratoria (L.). Blaney WM. **J Exp Biol** 62(3):555–69, Jun 75

Ontogeny of electroantennogram responses in the moth, Manduca sexta. Schweitzer ES, et al. **J Insect Physiol** 2(7):955–60, 1976

Lateral-line efferents to mechanical and visual stimuli. Späth M, et al. **Naturwissenschaften** 62(12):579–80, Dec 75

[Proceedings: Responses of lateral line organs to various heavy metal ions] Nakagawa K, et al. **J Physiol Soc Jpn** 36(8–9):315–6, 1 Sep 74 **(Jpn)**

[Proceedings: Chemoreceptors of the lateral line organs in Necturus] Yanagisawa K, et al. **J Physiol Soc Jpn** 36(8–9):315, 1 Sep 74 **(Jpn)**

[Morphofunctional features of the catfish lateral line analyzer] Andrianov IuN, et al. **Neirofiziologiia** 7(2):203–7, 1975 **(Rus)**

[Electronmicroscopic study of the gravity receptors in ctenophores] Aronova MZ. **Zh Evol Biokhim Fiziol** 11(5):503–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural and pharmacological studies on the afferent synapse of lateral-line sensory cells of the African clawed toad, Xenopus laevis. Monaghan P. **Cell Tissue Res** 163(2):239–47, 7 Nov 75

Surface fine structure of the globiferous pedicellariae of the regular echinoid, Psammechinus miliaris Gmelin. Oldfield SC. **Cell Tissue Res** 162(3):377–85, 13 Oct 75

Scanning electron microscopy of the ticks Ixodes laguri and Ixodes arboricola: surface structures of Haller's organ. Honzáková E, et al. **Folia Parasitol (Praha)** 22(3):241–3, 1975

Non-innervated sense organs of the lateral line: development in the regenerating tail of the salamander Ambystoma mexicanum. Jorgensen JM, et al. **J Neurocytol** 5(1):33–41, Feb 76

SENSITIVITY TRAINING GROUPS

Deterioration effects in encounter groups. Hartley D, et al. **Am Psychol** 31(3):247–55, Mar 76 (39 ref.)

Sensitivity training in groups. Adams JD. **Curr Psychiatr Ther** 15:213–9, 1975

The experiential group and the psychotherapeutic enterprise revisited: a response to Strupp. Hogan DB. **Int J Group Psychother** 26(3):321–33, Jul 76

New ways of getting more real or does the encounter culture herald the end of psycho analysis. Balogh P. **Int J Soc Psychiatry** 21(2):126–9, Summer 75

Effects of physical contact in an encounter group context. Dies RR, et al. **J Consult Clin Psychol** 44(3):400–5, Jun 76

A couples group for medical students. Porter K, et al. **J Med Educ** 51(5):418–9, May 76

Sensitivity training: a step toward involvement with patients. Huber CJ, et al. **Nurs Forum** 14(2):175–87, 1975

Perceptions and behaviors of dogmatic subjects in a T-group setting. Davis TB, et al. **Percept Mot Skills** 41(2):375–81, Oct 75

Controlled studies of the outcome of sensitivity training. Smith PB. **Psychol Bull** 82(4):597–622, Jul 75

Encounter group: measurement of systolic blood pressure. de Leon G, et al. **Psychol Rep** 37(2):439–45, Oct 75

Locus of control of reinforcement and attraction in sensitivity group settings. Levenberg SB, et al. **Psychol Rep** 37(3 Pt 1):719–23, Dec 75

[T-groups: development, participation and goals] Laschinsky D, et al. **Psychother Psychosom** 26(1):39–48, 1975 (Eng. Abstr.) **(Ger)**

[Magic phrases on sensitivity training] Dahlin O. **Lakartidningen** 72(40):3798–9, 1 Oct 75 **(Swe)**

[Reverse of analysis—complication risks with treatment of the subject sensitivity training] Widlung I. **Lakartidningen** 72(32):3002–3, 6 Aug 75 **(Swe)**

SENSORY AIDS

New methods for communication with people who are both deaf and blind. Laenger CJ Sr, et al. **Biomed Sci Instrum** 12:135–6, 3–5 May 76

A rocking motion sensor for the blind. Polhemus JT, et al. **Biomed Sci Instrum** 12:77–81, 3–5 May 76

Highlights of other VA research programs. Sensory aids. Freiberger H. **Bull Prosthet Res** :330–52, Spring 75

Highlights of other VA research programs. Sensory aids. Freiberger H. **Bull Prosthet Res** (10–24):256–75, Fall 75

The future of sensory aids for the blind. Swail JC. **Can J Ophthalmol** 11(2®760521–760610–2):45–8, Apr 76

An audio display for the blind. Fish RM. **IEEE Trans Biomed Eng** 23(2):144–54, Mar 76

A computer-based brain stimulation system to investigate sensory prostheses for the blind and deaf. Mladejovsky MG, et al. **IEEE Trans Biomed Eng** 23(4):286–96, Jul 76

Modification of vocalizations of preschool deaf children by vibrotactile and visual displays. Goldstein MH Jr, et al. **J Acoust Soc Am** 59(6):1477–81, Jun 76

Letter: Speaking aid. Evans CG, et al. **Lancet** 2(7883):788, 28 Sep 74

The conversion of printed characters into speechlike sound for a blind reading aid. Uttley AM. **Med Biol Eng** 13(2):285–93, Mar 75

'Braille' reading by a blind volunteer by visual cortex stimulation. Dobelle WH, et al. **Nature** 259(5539):111–2, 15 Jan 76

The training of guide dogs for the blind. Peel BW. **NZ Vet J** 23(11):269–72, Nov 75

[Reading aids for blind persons. Technical possibilities, practice up to now, and future development (author's transl)] Jaeger W, et al. **Klin Monatsbl Augenheilkd** 168(05):613–21, May 76 (Eng. Abstr.) **(Ger)**

[Low-vision aids in visually handicapped children (author's transl)] Schäfer WD, et al. **Klin Monatsbl Augenheilkd** 168(05):735–9, May 76 (Eng. Abstr.) **(Ger)**

[Electronic aids for the blind — problems and solutions] Fankhauser F, et al. **Ther Umsch** 32(1):59–69, Jan 75 (Eng. Abstr.) **(Ger)**

[Vibrotactile stimulation for a reading aid for the blind] Ide H, et al. **Jpn J Med Electron** 13(5):282–6, Oct 75 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Sonar target discrimination by instrumented human divers. Fish JF, et al. **J Acoust Soc Am** 59(3):602–6, Mar 76

[Vibrotactile stimulation for a reading aid for the blind] Ide H, et al. **Jpn J Med Electron** 13(5):282–6, Oct 75 (Eng. Abstr.) **(Jpn)**

SENSORY DEPRIVATION

see related
MENTAL RETARDATION, PSYCHOSOCIAL

Visual discrimination learning in cats with different early visual experiences. Zablocka T, et al. **Acta Neurobiol Exp (Warsz)** 35(4):389–98, 1975

Go-no go differentiation to visual stimuli in cats with different early visual experiences. Zablocka T. **Acta Neurobiol Exp (Warsz)** 35(4):399–402, 1975

Sound-induced frive, prior motion restraint, and reduced sensory stimulation effects on rocking behavior in retarded persons. Higenbottam JA, et al. **Am J Ment Defic** 80(2):231–3, Sep 75

Diminution of early environmental control through perinatal and prenatal somatosensory deafferentation. Taub E, et al. **Biol Psychiatry** 10(6):609–26, Dec 75

Early and permanent effects of monocular deprivation on pattern discrimination and visuomotor behavior in cats. Hof-Van Duin JV. **Brain Res** 111(2):261–76, 30 Jul 76

Effects of olfactory deprivation on postnatal growth of the rat olfactory bulb utilizing a new method for production of neonatal unilateral anosmia. Meisami E. **Brain Res** 107(2):437–44, 7 May 76

Brief monocular visual experience and kitten cortical binocularity. Schechter PB, et al. **Brain Res** 109(1):165–8, 4 Jun 76

Evidence that binocular competition affects the postnatal development of Y-cells in the cat's lateral geniculate

nucleus. Sherman SM, et al. **Brain Res** 100(2):441–4, 19 Dec 75

Development of visuomotor behavior in normal and dark-reared cats. van Hof-Van Duin J. **Brain Res** 104(2):233–41, 12 Mar 76

The effects of monocular visual deprivation: disuse or binocular interaction? Von Noorden GK, et al. **Brain Res** 111(2):277–85, 30 Jul 76

Effect of auditory deprivation of visual resolving power. Bross M, et al. **Can J Psychol** 29(4):340–7, Dec 75

Reawakening senses in the elderly. Scott D, et al. **Can Nurse** 71(10):21–2, Oct 75

Rapid changes in cerebral blood flow and initial visual experience in the developing chick. Bondy SC, et al. **Dev Psychobiol** 9(1):31–8, Jan 76

Acute versus chronic acoustic deprivation: effects on auditory evoked potentials and seizures in mice. McGinn MD, et al. **Dev Psychobiol** 8(3):223–32, May 75

Development of vestibulo-ocular responses in visually deprived kittens. Berthoz A, et al. **Exp Brain Res** 23(4):425–42, 24 Oct 75

Influence of eye pigmentation and light deprivation on inherited retinal dystrophy in the rat. LaVail MM, et al. **Exp Eye Res** 21(2):167–92, Aug 75

The value of experiential learning in long-term care education. Emphasis on simulated sensory deprivation in an institutional setting. Wasmuth N. **Gerontologist** 15(6):548–53, Dec 75

Psychotomimetic and sensory deprivation in man. pp. 289–304. Pos R, et al.
In: Radouco-Thomas S, ed. Pharmacologie, toxicologie, et abus des psychotomimétiques (hallucinogenes). Quebec, Les Presses de l'Université Laval, 1974. QV 109 L392p 1973.

The effect of age on the reversibility of cellular atrophy in the LGN of the cat following monocular deprivation: a test of two hypotheses about cell growth. Cragg B, et al. **J Comp Neurol** 168(3):345–53, 1 Aug 76

Development of species identification in ducklings: II. Experimental prevention of perceptual deficit caused by embryonic auditory deprivation. Gottlieb G. **J Comp Physiol Psychol** 89(7):675–84, Sep 75

Development of species identification in ducklings: I. Nature of perceptual deficit caused by embryonic auditory deprivation. Gottlieb G. **J Comp Physiol Psychol** 89(5):387–99, Jul 75

Comparison of visually guided reaching in normal and deprived infant monkeys. Bauer J, et al. **J Exp Psychol [Anim Behav]** 1(4):298–308, Oct 75

Effects of early binocular deprivation on visual input to cat superior colliculus. Hoffmann KP, et al. **J Neurophysiol** 38(5):1049–59, Sep 75

Cortical suppression of the ritino-collicular pathway in the monocularly deprived cat. Berman N, et al. **J Physiol (Lond)** 255(1):263–73, Feb 76

The unimportance of experimenter-bias in sensory deprivation research. Landon PB. **Percept Mot Skills** 42(2):619–24, Apr 76

Human sex differences in extreme isolation. McClure G, et al. **Percept Mot Skills** 40(2):387–91, Apr 75

Aftereffects of short-term monocular deprivation on critical flicker frequency of the non-occluded eye. Zubek JP, et al. **Percept Mot Skills** 43(1):123–6, Aug 76

Effects of enucleation in retinal degenerate mice. Dyer RS, et al. **Physiol Behav** 14(2):207–10, Feb 75

Influence of enucleation upon two-way avoidance behavior of rats, hamsters, chinchillas and BALB/cJ mice. Dyer RS, et al. **Physiol Behav** 14(2):211–6, Feb 75

Disorders of the special senses in the older patient. Wells CE. **Practitioner** 215(1289):593–9, Nov 75

Visual deprivation and intertectal neuronal connexions in Xenopus laevis. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):467–74, 16 Dec 75

Total suppression of irritable aggression in rats by sensory deprivation. Thor DH. **Psychol Rep** 37(2):432–4, Oct 75

The effects of sensory perceptual isolation on single motor unit conditioning. Lloyd AJ, et al. **Psychophysiology** 13(4):340–49, Jul 76

Trichromacy in normally reared and light deprived infant monkeys (Macaca nemestrina). Boothe R, et al. **Vision Res** 15(11):1187–91, Nov 75

[Effects of sensory deprivation as hostages] **Ned Tijdschr Geneeskd** 120(2):73–4, 10 Jan 76 **(Dut)**

[Comparison of altered states of consciousness induced by short-term sensory deprivation and (–)-delta9-trans-tetrahydrocannabinol] Dittrich A. **Z Exp Angew Psychol** 22(4):547–60, 1975 (Eng. Abstr.) **(Ger)**

[Biochemical correlates of functional features of visual cortex neurons] Pigareva ZD, et al. **Fiziol Zh SSSR** 62(2):153–9, Feb 76 (Eng. Abstr.) **(Rus)**

[Morphochemical differentiation of neurons of the lateral geniculate body of the rabbit brain following early visual deprivation] Chebotareva TL, et al. **Tsitologiia** 18(2):166–70, Feb 76 (Eng. Abstr.) **(Rus)**

[An interferometric study of the reaction of neurons in the motor area of the cerebral cortex to early visual deprivation] Gershtein LM. **Tsitologiia** 18(1):48–52, Jan 76 (Eng. Abstr.) **(Rus)**

[Cytochemical indices of intercentral interrelations of the motor and visual analyzers during light deprivation] Gershtein LM, et al. **Zh Nevropatol Psikhiatr** 76(7):997–1002, 1976 (Eng. Abstr.) **(Rus)**

[Neurophysiologic and biochemical aspects of visual system development in the rabbit under conditions of photic deprivation] Volokhov AA, et al. **Zh Vyssh Nerv Deiat** 25(4):799–807, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Visual centers in rodents. Normal structure and effects of sensory deprivation on dendritic morphology] Fairen A, et al. **Trab Inst Cajal Invest Biol** 65:87–135, 1973 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Cell growth in the lateral geniculate nucleus of kittens following the opening or closing of one eye. Wan YK, et al. **J Comp Neurol** 166(3):365–71, 1 Apr 76

Kittens reared in a unidirectional environment: evidence for a critical period. Daw NW, et al. **J Physiol (Lond)** 257(1):155–70, May 76

SEPHAROSE see under **POLYSACCHARIDES**

SEPTAL NUCLEI see under **SEPTUM PELLUCIDUM**

SEPTICEMIA

Incidence and etiology of septic meningitis in a metropolitan county hospital. Qadri SM, et al. **Am J Clin Pathol** 65(4):550–6, Apr 76

Hyposplenic, coagulopathic, cryptogenetic pneumococcemia. Wenk RE, et al. **Am J Clin Pathol** 64(3):405–9, Sep 75

Arizona hinshawii osteomyelitis with antecedent enteric fever and sepsis. A case report with a review of the literature. Keren DF, et al. **Am J Med** 60(4):577–82, Apr 76

Clinical aspects in surgical patients. Altemeier WA. **Antibiot Chemother** 21:184–6, 1976

Varieties of blood stream infection and their diagnosis (lecture). Garrod LP. **Antibiot Chemother** 21:85–90, 1976

Perspectives of bacteremia and sepsis (lecture). Jawetz E. **Antibiot Chemother** 21:1–10, 1976

Neonatal septicemia. Quie PG. **Antibiot Chemother** 21:128–34, 1976

Septicaemia from prolonged intravenous infusions. Thong ML, et al. **Arch Dis Child** 50(11):886–9, Nov 75

Hepatic granulomas in leprosy. Their relation to bacteremia. Chen TS, et al. **Arch Pathol Lab Med** 100(4):182–5, Apr 76

'Candida' sepsis: portals for invasion, tissue filtration, and principles of treatment. Stone HH, et al. **Bull Soc Int Chir** 34(3):193–5, 1975

A brief introduction to sepsis: its importance and some historical notes. Wilson RF. **Heart Lung** 5(3):393–6, May-Jun 76

The diagnosis and management of severe sepsis and septic shock. Wilson RF. **Heart Lung** 5(3):422–9, May-Jun 76

Letter: Persistent group B Streptococcus bacteremia without clinical 'sepsis' in infants. Roberts KB. **J Pediatr** 88(6):1059–60, Jun 76

Absence of bacteremia after insertion or removal of intrauterine devices. Everett ED, et al. **Obstet Gynecol** 47(2):207–9, Feb 76

Gram-negative bacillemia. McHenry MC, et al. **Urol Clin North Am** 3(2):333–51, Jun 76

[8 cases of Candida septicemia observed in a resuscitation department] Boillot A, et al. **Ann Anesthesiol Fr** 15(3):227–34, 1974 (Eng. Abstr.) **(Fre)**

[Proceedings: Ocular localizations during Candida albicans septicemia in children] Gaudier B, et al. **Arch Fr Pediatr** 32(5):494, May 75 **(Fre)**

[Death following large doses of steroids in meningococcal septicemia in children] Pande H. **Tidsskr Nor Laegeforen** 95(24):1369–70, 30 Aug 75 **(Nor)**

[Septic shock in acute surgical infection in children] Kaplan VM. **Klin Khir** (8):1–4, Aug 75 (Eng. Abstr.) **(Rus)**

[Septic shock. II. Therapy] Hervas Sánchez JG, et al. **Rev Clin Esp** 139(4):369–84, 30 Nov 75 (203 ref.) **(Spa)**

[Septic shock. I. Clinical and physiopathological aspects] Hervas Sánchez JG, et al. **Rev Clin Esp** 139(4):293–304, 30 Nov 75 **(Spa)**

BLOOD

Histocompatibility matching and results of granulocyte and platelet transfusions. pp. 450–5. De Bruyère M, et al.
In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 I605L 1974.

Neutrophil function in gram-negative rod bacteremia. The interaction between phagocytic cells, infecting organisms, and humoral factors. Weinstein RJ, et al. **J Clin Invest** 58(1):190–9, Jul 76

Platelet aggregation as a sign of septicemia in thermal injury. A prospective study. Cowan DH, et al. **JAMA** 235(12):1230–4, 22 Mar 76

Letter: Uraemia, gram-negative sepsis, and gentamicin assays. Shanson DC, et al. **Lancet** 2(7940):875, 1 Nov 75

In vitro neutrophil function and lysosomal enzyme levels in patients with sepsis. Cole WQ, et al. **Surg Forum** 26:79–81, 1975

Kinin activation in the blood of patients with sepsis. O'Donnell TF Jr, et al. **Surg Gynecol Obstet** 143(4):539–45, Oct 76

[Blood picture in the early diagnosis of neonatal septicemia] Kuchler H, et al. **Helv Paediatr Acta** 31(1):33–46, Jun 76 (Eng. Abstr.) **(Fre)**

[Hypophosphataemia as early sign of septicaemia in childhood (author's transl)] Urbanek R, et al. **Monatsschr Kinderheilkd** 123(8):593–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Changes in the levels of fibrin-fibrinogen degradation products in various pathological conditions in children] Galczak W, et al. **Pediatr Pol** 51(4):403–10, Apr 76 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Pneumococcal bacteremia associated with gingival lesions in infants. Burech DL, et al. **Am J Dis Child** 129(11):1283–4, Nov 75

Metastatic infection secondary to genitourinary tract sepsis. Siroky MB, et al. **Am J Med** 61(3):351–60, Sep 76

Gastritis and gastric blood flow in hyperdynamic septic pigs. Lucas CE, et al. **Am J Surg** 131(1):73–7, Jan 76

Steroids in the treatment of clinical septic shock. Schumer W. **Ann Surg** 184(3):333–41, Sep 76

Disseminated intravascular coagulation in systemic Candida albicans infection treated successfully with heparin and prothrombin concentrate. Gatot D, et al. **Aust Paediatr J** 12(1):53–5, Mar 76

Fatal Clostridium welchii septicaemia following acute cholecystitis. Clancy MT, et al. **Br J Surg** 62(7):518–9, Jul 75

Septic shock. Ledingham IM. **Br J Surg** 62(10):777–80, Oct 75

Letter: Renal lesions in a case of septicaemia. Betteridge TJ, et al. **Br Med J** 1(6008):522, 28 Feb 76

Two instances of inflammatory aqueductal occlusion in prematures after neonatal candidal septicemia. Mahboubi S, et al. **Clin Pediatr (Phila)** 15(7):651–3, Jul 76

The effect of PEEP on oxygenating capacity in acute respiratory failure with sepsis. Cotev S, et al. **Crit Care Med** 4(4):186–92, Jul–Aug 76

Gram-negative rod bacteremia in cancer patients. A review with emphasis on the antibody response. Zinner SH, et al. **Eur J Cancer** 11suppl:39–47, Aug 75 (64 ref.)

Hepatobiliary complications of sepsis. Ledgerwood A. **Heart Lung** 5(4):621–3, Jul–Aug 76

The diagnosis and treatment of acute respiratory failure in sepsis. Wilson RF. **Heart Lung** 5(4):614–20, Jul–Aug 76

Disseminated gonococcal infections (gonococcal septicemia). pp. 77–84. Barr J, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Disseminated intravascular coagulation in septicemia in children. Sarup BM, et al. **Indian J Med Sci** 29(1):9–13, Jan 75

Experimental pyelonephritis--a histopathological study of blood borne and ascending patterns of infection. Prakash C, et al. **J Assoc Physicians India** 23(7):409–13, Jul 75

Polymicrobic bacteriuria: significant association with bacteremia. Gross PA, et al. **J Clin Microbiol** 3(3):246–50, Mar 76

Serious group A streptococcal diseases in children. Burech DL, et al. **J Pediatr** 88(6):972–4, Jun 76

Letter: Clostridia septicum bacteremia in a patient with aplastic anemia. Congeni BL, et al. **J Pediatr** 89(2):331, Aug 76

Shigella dysentery with secondary Klebsiella sepsis. Neglia TG, et al. **J Pediatr** 89(2):253–4, Aug 76

Peripheral nodular lesions in Pseudomonas sepsis. The importance of incision and drainage. Reed RK, et al. **J Pediatr** 88(6):977–9, Jun 76

Fulminant neonatal sepsis and necrotizing enterocolitis associated with a 'nonenteropathogenic' strain of Escherichia coli. Speer ME, et al. **J Pediatr** 89(1):91–5, Jul 76

Hemophilus influenzae bacteremia in children with sickle cell disease. Ward J, et al. **J Pediatr** 88(2):261–3, Feb 76

Hemoglobinopathy with prolonged bactermia. A report of two cases. Finley RA. **JAMA** 234(7):718–21, 17 Nov 75

Pituitary abscess following general sepsis in a diabetic patient. Jung Y, et al. **JAMA** 235(14):1476, 5 Apr 76

The significance of cardiac arrhythmias in the septic patient. Kirkpatrick JR, et al. **Mich Med** 74(30):645, 648, Oct 75

Disseminated gonococcemia in plasma cell myeloma. Bamford JT, et al. **Minn Med** 59(4):230–1, Apr 76

Pleuropericarditis. Complication of Escherichia coli septicemia? Krutchik AN. **NY State J Med** 76(8):1372–3, Aug 76

Staphylococcal septicemia: successful treatment of complications in a child. Poston JG, et al. **South Med J** 69(3):337–9, Mar 76

Pulmonary insufficiency following Escherichia coli bacteremia in dogs. Dennis RC, et al. **Surg Forum** 26:202–4, 1975

Acute gastroduodenal lesions related to severe sepsis. Le Gall JR, et al. **Surg Gynecol Obstet** 142(3):377–80, Mar 76

[Monilia sepsis in patients with cronic exacerbated myeloleukemia with a positive lymphocyte transformation test] Popova L. **Vutr Boles** 13(5):101–3, 1974 **(Bul)**

[Case of septic form of anthrax with agranulocytosis] Zunić I, et al. **Lijec Vjesn** 97(9):516–8, Oct 75 (Eng. Abstr.) **(Cro)**

[Salmonella bacteremia and cerebral malaria. A case with fatal coincidence of 2 imported diseases] Matzen P, et al. **Ugeskr Laeger** 138(3):157–8, 12 Jan 76 (Eng. Abstr.) **(Dan)**

[Spondylodiscitis during septicemia caused by Candida albicans] Riffat G, et al. **Ann Anesthesiol Fr** 15(3):223–6,

1974 (Eng. Abstr.) **(Fre)**

[Meningococcemia and cutaneous lesions] Van Espen A, et al. **Arch Belg Dermatol** 30(2):113–4, Apr–Jun 74 **(Fre)**

[Post-partum pubic osteitis and thrombophlebitis] Barrier J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):737–43, Sep 73 (Eng. Abstr.) **(Fre)**

[Ocular localizations in Candida albicans septicemia in children. Apropos of 3 cases] Gaudier B, et al. **Pediatrie** 30(6):573–80, Sep 75 **(Fre)**

[Septic complications in geriatric patients] Falck I, et al. **Verh Dtsch Ges Inn Med** 81:683–4, 1975 **(Ger)**

[Bilateral Candida albicans endophthalmitis in Candida septicemia] Gdal–on M, et al. **Harefuah** 89(8):351–3, 15 Oct 75 (Eng. Abstr.) **(Heb)**

[Heart abscess] József K, et al. **Orv Hetil** 117(6):351, 8 Feb 76 **(Hun)**

[Salmonella cholerae suis var. Kunzendorf infection and splenic abscess] Sámik J, et al. **Orv Hetil** 117(7):413–5, 15 Feb 76 **(Hun)**

[Intravascular clotting as cause of fatal outcome of toxic diarrhea syndromes and septicemia in infants] Swicowa K, et al. **Pol Tyg Lek** 30(39):1615–7, 29 Sep 75 (Eng. Abstr.) **(Pol)**

[Amebic liver abscess associated with Salmonella typhi bacteremia] Gorecka M. **Wiad Lek** 28(16):1395–8, 15 Aug 75 (Eng. Abstr.) **(Pol)**

[Gastric consequences of toxicoseptic agression] Alexiu O, et al. **Rev Chir [Chir]** 24(5):345–51, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Biliary tract lesions in suppurative–septic diseases of infants during the first 3 months after birth] Tiurina NS, et al. **Vopr Okhr Materin Det** 19(1):56–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Polymyositis as a manifestation of septicopyemia] Kovsh Ola, et al. **Vrach Delo** (4):132–3, Apr 75 **(Rus)**

DIAGNOSIS

Rapid detection of bacteremia by an early subculture technic. Todd JK, et al. **Am J Clin Pathol** 64(5):694–9, Nov 75

Hematological findings in acute infections and septicemias. Talluto MR. **Am J Med Technol** 41(10):377–86, Oct 75

The early diagnosis of gram negative septicemia in the pediatric surgical patient. Rowe MI, et al. **Ann Surg** 182(3):280–6, Sep 75

Bacteriological diagnosis. Kirby MM. **Antibiot Chemother** 21:189–90, 1976

Postsurgical sepsis. Moore FD. **Antibiot Chemother** 21:176–7, 1976

Diagnosis of neonatal sepsis via maternofetal transmission. Relier JP, et al. **Antibiot Chemother** 21:146–50, 1976

Leucocytic alterations in diagnosis of neonatal sepsis. Sen S, et al. **Indian J Med Res** 63(3):402–10, Mar 75

Effects of atmosphere of incubation and of routine subcultures on detection of bacteremia in vacuum blood culture bottles. Harkness JL, et al. **J Clin Microbiol** 2(4):296–9, Oct 75

Practical aerobic membrane filtration blood culture technique: development of procedure. Sullivan NM, et al. **J Clin Microbiol** 1(1):30–6, Jan 75

Practical aerobic membrane filtration blood culture technique: clinical blood culture trial. Sullivan NM, et al. **J Clin Microbiol** 1(1):37–43, Jan 75

Laboratory experience with a radiometric method for detecting bacteremia. Thiemke WA, et al. **J Clin Microbiol** 1(3):302–8, Mar 75

Evaluation of blood culture media supplemented with sucrose or with cysteine. Washington JA 2d, et al. **J Clin Microbiol** 1(1):79–81, Jan 75

Comparative study of two systems for detecting becteraemia and septicaemia. Wood NG. **J Clin Pathol** 29(6):530–3, Jun 76

Reliability of bacterial culture of blood obtained from an umbilical artery catheter. Cowett RM, et al. **J Pediatr** 88(6):1035–6, Jun 76

Early diagnosis of neonatal bacteremia by buffy–coat examination. Faden HS. **J Pediatr** 88(6):1032–4, Jun 76

Chronic meningococcemia. Dineen JF, et al. **Va Med Mon** 102(11):957–8, Nov 75

[Septicemia due to Salmonella wien. Diagnostic, therapeutic and epidemiologic problems] Domart A, et al. **Ann Med Interne (Paris)** 125(12):915–8, Dec 74 **(Fre)**

[Proceedings: Septicemia and menigitis in the newborn] Ponté C, et al. **Pediatrie** 30(3):316, Apr–May 75 **(Fre)**

[Septicaemia in the neonatal and infant period (author's transl)] Diekmann L, et al. **Klin Paediatr** 188(2):135–45, Mar 76 (Eng. Abstr.) **(Ger)**

[The so-called 'benign gonococcal sepsis'] Schröter R, et al. **Z Hautkr** 50(15):637–56, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Thrombocytopenia as an index of septicemia in the newborn infant] Jasso Gutiérrez L, et al. **Gac Med Mex** 111(4):317–20, Apr 76 **(Spa)**

DRUG THERAPY

Steroids in septic shock. Altemeier WA. **Antibiot Chemother** 21:201–3, 1976

Antibiotic treatment of respiratory sepsis. Chico Rizzo E. **Antibiot Chemother** 21:115–6, 1976

Chemotherapy and renal function. Fereres J. **Antibiot Chemother** 21:80–4, 1976

Antimicrobial therapy. Kirby MM. **Antibiot Chemother** 21:191–2, 1976

Evaluation of antimicrobial agents in the treatment of septicemia (lecture). Kirby WM. **Antibiot Chemother** 21:91–8, 1976

Antibiotic therapy in neonatal septicemia. Quero J, et al. **Antibiot Chemother** 21:156–62, 1976

Chemotherapy. Seneca H, et al. **Antibiot Chemother** 21:77–9, 1976

Glucocorticoids. Seneca H. **Antibiot Chemother** 21:198–200, 1976

Experimental meningococcal septicemia. Effect of heparin therapy. Gaskins RA Jr, et al. **Arch Pathol Lab Med** 100(6):318–24, Jun 76

Effect of tobramycin on urinary gamma–glutamyltransferase activity: Studies in a case of renal carcinoma. Beck PR, et al. **Clin Chem** 22(4):528–31, Apr 76

Prospective randomly controlled trial of three antibiotic combinations for empirical therapy of suspected sepsis in neutropenic cancer patients. Gaya H, et al. **Eur J Cancer** 11suppl:5–8, Aug 75

Prospective randomly controlled trial of three antibiotic combinations for empirical therapy of suspected sepsis in neutropenic cancer patients. pp. 5–8. Gaya H, et al. **In: Klastersky J, ed. Infections in cancer chemotherapy. Oxford, Pergamon Press, 1976. QZ 267 S987i 1975.**

Glucocorticoid therapy in sepsis/shock caused by gram–negative microorganisms. Seneca H, et al. **J Am Geriatr Soc** 23(11):493–502, Nov 75

Effects of glucose therapy on experimental Escherichia coli septicemia. Heggers JP, et al. **J Surg Res** 20(1):33–6, Jan 76

Treatment of Candida ventriculitis and septicaemia with 5–fluoro–cytosine. Combined peroral and intraventricular administration. Kourtópoulos H, et al. **Neuropaediatrie** 7(3):356–61, Aug 76

Kanamycin and gentamicin treatment of neonatal sepsis and meningitis. Chang MJ, et al. **Pediatrics** 56(5):695–9, Nov 75

Severe staphylococcal sepsis in adolescents. Shulman ST, et al. **Pediatrics** 58(1):59–66, Jul 76

Carbenicillin in acute renal failure. Kies BM, et al. **S Afr Med J** 49(52):2151–2, 6 Dec 75

Meningitis developing during cephalothin therapy of septicaemia. Freij L, et al. **Scand J Infect Dis** 7(2):153–5, 1975

Co–trimoxazole in cases of gram–negative septicaemia. Brandberg A. **Scand J Infect Dis [Suppl]** (8):96–102, 1976

The intravenous infusion of co–trimoxazole in cases of septicaemia: tolerance and results of treatment. Olcén P, et al. **Scand J Infect Dis [Suppl]** (8):91–5, 1976

Gentamicin in clinical practice. McAllister TA. **Scott Med J** 20(3):97–8, May 75

Edwardsiella tarda bacteremia. Le Frock JL, et al. **South Med J** 69(2):188–90, Feb 76

[Use of antibiotics in burned patients] Sépétjian M, et al. **Ann Anesthesiol Fr** 15(3):205–9, 1974 (Eng. Abstr.) **(Fre)**

[Letter: Serratia marcescens septicemia treated by nalidixic acid in perfusion] Courtine JC, et al. **Nouv Presse Med** 5(12):793–4, 20 Mar 1976 **(Fre)**

[Antibacterial prophylaxis of bacteremia and sepsis complicating dilation of rectoperineal fistulas] Berant M, et al. **Harefuah** 90(2):74–5, 15 Jan 76 (Eng. Abstr.) **(Heb)**

[A case of E. coli septicemia successfully treated with amikacin (author's transl)] Ueda Y, et al. **Jpn J Antibiot** 28(5):655–6, Oct 75 **(Jpn)**

[Treatment of sepsis of unknown cause] Solem JH, et al. **Tidsskr Nor Laegeforen** 96(3):161–3, 30 Jan 76 (Eng. Abstr.) **(Nor)**

[Rifampicin group antibiotics in the treatment of staphylococcal septicemia in children] Bieniek B, et al. **Pol Tyg Lek** 31(20):833–5, 17 May 76 (Eng. Abstr.) **(Pol)**

[Major objectives of pathogenic therapy of septicemia] Dragomirescu M, et al. **Rev Ig [Bacteriol]** 20(4):193–200, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Effect of gentamicin and pentoxyl on the immunological reactivity of the body in the treatment of sepsis caused by Ps. aeruginosa] Alekseev AM. **Antibiotiki** 21(4):358–61, Apr 76 (Eng. Abstr.) **(Rus)**

[Endogenic infectious diseases and and prospects of their treatment] Bilibin AF, et al. **Ter Arkh** 47(8):9–18, 1975 **(Rus)**

[Use of cotrimexazole in the treatment of septicemia caused by Salmonella] Banfi A, et al. **Rev Chil Pediatr** 46(1):21–3, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Use of inhibitors of proteolytic enzymes in the complex therapy of septic lesions of the soft tissues in children] Sytkovsi'kil MB, et al. **Pediatr Akush Ginekol** (5):26–9, 1975 **(Ukr)**

ENZYMOLOGY

Case report. Clostridium perfringens septicemia with detection of phospholipase C activity in the serum. Moore A, et al. **Am J Med Sci** 271(1):59–63, Jan–Feb 76

[Cytochemical diagnosis of inflammatory diseases and sepsis in premature infants] Katosova RK, et al. **Pediatriia** (10):62–5, Oct 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Bacteremia after tonsillectomy and adenectomy. Van Eyck M. **Acta Otolaryngol (Stockh)** 81(3–4):242–3, Mar–Apr 76

A previously undescribed gram–negative bacillus causing septicemia and meningitis. Bobo RA, et al. **Am J Clin Pathol** 65(4):564–9, Apr 76

Bacteremia due to Succinivibrio dextrinosolvens. Report of a case. Southern PM Jr. **Am J Clin Pathol** 64(4):540–3, Oct 75

Fulminant cholangitis and septicemia after endoscopic retrograde cholangiography (ERC) in two patients with obstructive jaundice. Thurnherr N, et al. **Am J Dig Dis** 21(6):477–81, Jun 76

Anaerobic meningitis and bacteremia caused by Fusobacterium species. O'Grady LR, et al. **Am J Dis Child** 130(8):871–3, Aug 76

Transient bacteremia in pediatric patients after dental extraction. Speck WT, et al. **Am J Dis Child** 130(4):406–7, Apr 76

Pseudomonas bacteremia. Review of 108 cases. Flick MR, et al. **Am J Med** 60(4):501–8, Apr 76

Sepsis associated with decubitus ulcers. Galpin JE, et al. **Am J Med** 61(3):346–50, Sep 76

Staphylococcus aureus bacteremia. Current clinical patterns. Nolan CM, et al. **Am J Med** 60(4):495–500, Apr 76

Overwhelming pneumococcal sepsis 25 years after splenectomy. Grinblat J, et al. **Am J Med Sci** 270(3):523–4, Nov–Dec 75

Letter: Pseudomonas testosteroni septicemia. Atkinson BE, et al. **Ann Intern Med** 83(3):369–70, Sep 75

Letter: Bacteremia after sigmoidoscopy: another view. Engeling ER, et al. **Ann Intern Med** 85(1):77–8, Jul 76

Etiology and epidemiology of neonatal septicemia in hospital units. Baquero F, et al. **Antibiot Chemother** 21:138–45, 1976

Septicemia: pathogenesis and frequency. Kaufman JJ. **Antibiot Chemother** 21:62–5, 1976

Letter: Fatal pneumococcal septicaemia in an 8–year–old child after splenectomy for trauma. Moss PD, et al. **Arch Dis Child** 50(8):668, Aug 75

Letter: Septic nonsuppurative thrombophlebitis. Rhame FS, et al. **Arch Surg** 111(7):832, Jul 76

Septic nonsuppurative thrombophlebitis. Zinner MJ, et al. **Arch Surg** 111(2):122–5, Feb 76

The bacteraemia associated with burns surgery. Beard CH, et al. **Br J Surg** 62(8):638–41, Aug 75

Gram–negative septicaemia in surgical practice. Litton A. **Br J Surg** 62(10):773–6, Oct 75

Editorial: Bacteraemia from the bowel. **Br Med J** 3(5980):396–7, 16 Aug 75

Letter: Bacteraemia following rectal biopsy. Buckell N. **Br Med J** 1(6017):1076–7, 1 May 76

Postsplenectomy sepsis due to influenzal viremia and pneumococcemia. Roberts GT, et al. **Can Med Assoc J** 115(5):435–7, 4 Sep 76

The incidence of bacteremia in pediatric patients following tooth extraction. Peterson LJ, et al. **Circulation** 53(4):676–9, Apr 76

Bacteremias associated with routine hemorrhoidectomies. Bonardi RA, et al. **Dis Colon Rectum** 19(3):233–36, Apr 76

Does bacteremia follow colonoscopy? **Gastroenterology** 70(6):1189–91, Jun 76

Does bacteremia follow colonoscopy? Norfleet RG, et al. **Gastroenterology** 70(1):20–1, Jan 76

Bacteremia following colonoscopy. Rafoth RJ, et al. **Gastrointest Endosc** 22(1):32–3, Aug 75

The occurrence of bacteremia after esophageal dilation. Raines DR, et al. **Gastrointest Endosc** 22(2):86–7, Nov 75

Infection control in intravenous therapy. Wilson JA. **Heart Lung** 5(3):430–6, May–Jun 76

Gram–negative sepsis. pp. 187–95. Sachs JM. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

The morbidity and mortality of mid–trimester sepsis associated with IUDs. pp. 429–30. Christian CD. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North–Holland, 1975. W3 IN182AI 1974a.**

Gram–negative rod bacteremia in cancer patients. A review with emphasis on the antibody response. pp. 39–47. Zinner SH, et al. **In: Klastersky J, ed. Infections in cancer chemotherapy. Oxford, Pergamon Press, 1976. QZ 267 S987i 1975.** (64 ref.)

Neonatal septicemia due to group B–beta hemolytic streptococci. Sharma KB, et al. **Indian J Med Res** 63(6):781–6, Jun 75

Septicaemia and meningitis with campylobacter fetus subspecies intestinalis. Gubina M, et al. **Infection** 4(2):115–8, 1976

Urologic sepsis/shock. Seneca H, et al. **J Am Geriatr Soc** 24(7):292–300, Jul 76

Hematogenous infection in bilateral total hip arthroplasty. Case report. Burton DS, et al. **J Bone Joint Surg [Am]** 57(7):1004–5, Oct 75

Nationwide epidemic of septicemia caused by contaminated intravenous products: mechanisms of intrinsic contamination. Mackel DC, et al. **J Clin Microbiol** 2(6):486–97, Dec 75

Meningitis due to Aeromonas hydrophila. Qadri SM, et al. **J Clin Microbiol** 3(2):102–4, Feb 76

Septicaemia due to Corynebacterium haemolyticum. Jobanputra RS, et al. **J Clin Pathol** 28(10):798–800, Oct 75

Yersinia enterocolitica as a causative agent of septicaemia. Janošek J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):254–8, 1975

Late hematogenous infection in total joint replacement. Brand RA. **J Iowa Med Soc** 65(9):388–90, Sep 75

Fatal pneumococcal septicemia with disseminated intravascular coagulation following splenectomy. Lodewick PA. **J Med Soc NJ** 72(9):730–1, Sep 75

Overwhelming sepsis following splenectomy for trauma. Balfanz JR, et al. **J Pediatr** 88(3):458–60, Mar 76

Septic thrombosis following subclavian vein catheterization. Faden H, et al. **J Pediatr** 88(5):895–6, May 76

First reported successful management of Serratia marcescens bacteremia after open heart surgery in a child. Saxena NC, et al. **J Pediatr Surg** 10(6):935–8, Dec 75 (18 ref.)

Letter: Adverse reactions of enemas. Burnum JF. **JAMA** 235(5):476, 2 Feb 76

Bacteremic infections due to clindamycin–resistant streptococci. Drapkin MS, et al. **JAMA** 236(3):263–5, 19 Jul 76

Editorial: Iatrogenic nonsuppurative infected thrombophlebitis. Hussey HH. **JAMA** 235(5):535, 2 Feb 76

Listeria sepsis and meningitis: A complication of renal transplantation. Isiadinso OA. **JAMA** 234(8):842–3, 24 Nov 75

Transient bacteremia associated with nasotracheal suctioning. LeFrock JL, et al. **JAMA** 236(14):1610–1, 4 Oct 76

Pressure monitoring devices. Overlooked source of nosocomial infection. Weinstein RA, et al. **JAMA** 236(8):936–8, 23 Aug 76

Letter: Septicaemia due to porcine streptococci. Kloppenburg M, et al. **Lancet** 2(7946):1218, 13 Dec 75

Infectious mononucleosis complicated by opportunistic bacterial infection: case report. Dunkle LM, et al. **Mo Med** 73(8):473–5, Aug 76

Septicemia and meningitis in children splenectomized for hodgkin's disease. Chilcote RR, et al. **N Engl J Med** 295(15):798–800, 7 Oct 76

Alcaligenes faecalis septicaemia. Skegg DC. **NZ Med J** 83(558):117–9, 25 Feb 76

Focal sepsis and transient bacteremia. Anderson K. **Oral Surg** 42(2):238–9, Aug 76

Complications of transrectal aspiration biopsy of the prostate. Esposti PL, et al. **Scand J Urol Nephrol** 9(3):208–13, 1975

Proceedings: Problems associated with Holter valve drainage of hydrocephalus. Morrice JJ, et al. **Scott Med J** 20(4):181, Jul 75

Neutrophil function in surgical patients: correlation of neutrophil bactericidal function, serum albumin, and sepsis. Dhillon KS, et al. **Surg Forum** 26:27–8, 1975

Colonoscopy associated bacteremia. Dickman MD, et al. **Surg Gynecol Obstet** 142(2):173–6, Feb 76

Fatal bowel infarction and sepsis: an unusual complication of systemic strongyloidiasis. Ali–Khan Z, et al. **Trans R Soc Trop Med Hyg** 69(5–6):473–6, 1975

Bacteremia arising from the urinary tract. Riff LJ. **Urol Clin North Am** 2(3):521–35, Oct 75

[Sepsis due to Mima polymorpha] Zambeli M. **Lijec Vjesn** 97(11):623–4, Nov 75 (Eng. Abstr.) **(Cro)**

[Septic pyelonephritis due to intrauterine device Dana] Haluza O. **Cesk Gynekol** 40(6):448–9, Jul 75 **(Cze)**

[Orthotopic liver allotransplantation in pigs (obstruction of the bile ducts, liver sepsis and healing of the graft in the longer–surviving animals)] Kořístek V, et al. **Rozhl Chir** 54(8):575–86, Aug 75 (Eng. Abstr.) **(Cze)**

[Metastatic panophthalmitis following introduction of an IUD during menstruation] Reersted P. **Ugeskr Laeger** 138(33):2006–7, 9 Aug 76 (Eng. Abstr.) **(Dan)**

[Evaluation of 1200 venous catheterizations in reanimation] Gouin F, et al. **Ann Anesthesiol Fr** 16(3):179–87, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Note on septicemia caused by fungi in a surgical resuscitation department] Richard A, et al. **Ann Anesthesiol Fr** 15(3):235–8, 1974 (Eng. Abstr.) **(Fre)**

[Candida septicemia in a general surgery department] Ribet M, et al. **Chirurgie** 101(7):441–6, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Infection revealing urinary lithiasis] pp. 1–7. Jardin A. **In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** **(Fre)**

[Infectious complications following surgery for lithiasis] pp. 22–30. Le Guillou M, et al. **In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** **(Fre)**

[Gonococcal septicemia. 1 case] Chousterman M, et al. **Nouv Presse Med** 5(9):573–4, 28 Feb 76 (Eng. Abstr.) **(Fre)**

[Lesions of the small intestine during gram negative septicemia. Apropos of one case] Janvier G, et al. **Nouv Presse Med** 5(24):1529–30, 12 Jun 76 **(Fre)**

[New opportunist infection due to a Bacillus. A case of bacteremia with Bacillus licheniformis] Peloux Y, et al. **Pathol Biol (Paris)** 24(2):97–8, Feb 76 (Eng. Abstr.) **(Fre)**

[Septicemic complications of venous perfusion catheterization. 4 years' experience in an intensive care unit] Leclerc P, et al. **Sem Hop Paris** 51(28):1941–8, 14 Jun 75 (Eng. Abstr.) **(Fre)**

[Contaminated infusions as cause of nosocomial Serratia marcescens septicaemia in children (author's transl)] Daschner F, et al. **Dtsch Med Wochenschr** 100(45):2324–8, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[BCG–septicemia and mucocutaneous candidiasis due to familiar combined immunodeficiency (authors transl)] Lachmann D, et al. **Monatsschr Kinderheilkd** 124(1):32–5, Jan 76 (Eng. Abstr.) **(Ger)**

[Septic infections in an intensive care unit for internal medicine] Nolte J, et al. **Verh Dtsch Ges Inn Med** 81:721–4, 1975 **(Ger)**

[Studies of the pathogenesis and therapy of meningococcal sepsis] Esposito L, et al. **Pediatria (Napoli)** 83(2):276–88, 30 Jun 75 (Eng. Abstr.) **(Ita)**

[Septicemia following tonsillectomy] Zalewski P. **Otolaryngol Pol** 29(6):645–7, 1975 **(Pol)**

[Incidence and nature of postextraction bacteremia] Timoşca S, et al. **Rev Chir [Stomatol]** 22(3):231–6, Jul–Sep 75 **(Rum)**

[Aspects of post–extraction bacteremia after use of local anesthesia with or without addition of adrenaline] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):447–50, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Nutritive–deficient streptococci isolated from septicemia following tooth extraction] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):549–54, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Vascular and immunological processes in the pathogenesis of meningococcal infection] Gurevich PS, et al. **Arkh Patol** 37(8):13–9, 1975 (Eng. Abstr.) **(Rus)**

[Severe changes in the makeup of the blood after a contusion of the soft tissues complicated by sepsis] Lavrinovich TS, et al. **Arkh Patol** 37(7):61–3, 1975 (Eng. Abstr.) **(Rus)**

[Role of reactivity in the etiology of toxic and septic conditions in young children] Matveev MP, et al. **Pediatriia** (11):12–8, Nov 75 **(Rus)**

[Odontogenic staphylococcus sepsis] Orlenko MA, et al. **Stomatologiia (Mosk)** 54(6):81–2, Nov–Dec 75 **(Rus)**

[Sepsis due to Enterobacter agglomerans Erwinia herbicola] Prats G, et al. **Rev Clin Esp** 141(3):285–7, 15 May 76 **(Spa)**

[Phlegmon—a neglected sign of Haemophilus influenzae septicemia?] Svensson N, et al. **Lakartidningen** 73(16):1535–7, 14 Apr 76 (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Circulating immune complexes in a patient with prolonged gonococcal septicemia. Danielsson D, et al. **Acta Derm Venereol (Stockh)** 55(4):301–4, 1975

Antigenemia in fulminant pneumococcemia. Coonrod JD, et al. **Ann Intern Med** 84(5):561–3, May 76

Host resistance in sepsis and trauma. MacLean LD, et al. **Ann Surg** 182(3):207–17, Sep 75

Opsonic activity in gram–negative sepsis. Armstrong D. **Antibiot Chemother** 21:193–5, 1976

Antibody response of patients with malignancies to bacteremia with gram–negative bacteria. Surgalla MJ, et al. **J Clin Microbiol** 1(3):298–301, Mar 75

In vivo activation of properdin factor B in normotensive bacteremic individuals. Palestine AG, et al. **J Immunol** 117(2):703–5, Aug 76

Host–parasite relationships in experimental airborne tuberculosis. V. Lack of hematogenous dissemination of Mycobacterium tuberculosis to the lungs in animals vaccinated with Bacille Calmette–Guérin. Fok JS, et al. **J Infect Dis** 133(2):137–44, Feb 76

Effects of IgM and IgG antibody in patients with bacteremia due to gram–negative bacilli. Zinner SH, et al. **J Infect Dis** 133(1):37–45, Jan 76

Letter: Asymptomatic neonatal bacteremia. Ramsey PG, et al. **N Engl J Med** 295(4):225, 22 Jul 76

Bacteremia and urinary tract infection with a low virulent Pneumococcus (serotype 16) in an immunosuppressed patient. Melby K. **Scand J Infect Dis** 8(2):127–8, 1976

[Letter: Level of homologous agglutinin during 100 septicemia with gram negative bacteria] Loulergue J, et al. **Nouv Presse Med** (23):1736, 7 Jun 75 **(Fre)**

[The course of the gamma globulines in septic patients of an intensive care unit (author's transl)] Manz R. **Anaesthesist** 24(7):322–4, Jul 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Metabolism during shock and sepsis. Schumer W. **Heart Lung** 5(3):416–21, May–Jun 76

Turnover of amino acids in sepsis and starvation: Effect of glucose infusion. Vaidyanath N, et al. **J Trauma** 16(2):125–35, Feb 76

Increased permeability of sheep lung vessels to proteins after Pseudomonas bacteremia. Brigham KL, et al. **Microvasc Res** 11(3):415–9, May 76

Albumin synthesis, shifts, and transport by the thoracic duct lymph during sepsis. Deysine M, et al. **Surg Forum** 26:8–10, 1975

MICROBIOLOGY

Group B streptococcal infection in the newborn. Criteria for early detection and treatment. Lloyd DJ, et al. **Acta Paediatr Scand** 65(5):585–91, Sep 76

Nocardia asteroides bacteremia in an immunosuppressed renal–transplant patient. Ruebush TK 2d, et al. **Am J Clin Pathol** 64(4):537–9, Oct 75

Corynebacterium aquaticum septicemia. Characterization of the microorganisms. Weiner M, et al. **Am J Clin Pathol** 64(3):378–81, Sep 75

Bacteremic Acinetobacter Herellea pneumonia with survival: case report. Wallace RJ Jr, et al. **Am Rev Respir Dis** 113(5):695–9, May 76

Viremia with herpes simplex type 1 in adults. Four nonfatal cases, one with features of chicken pox. Naraqi S, et al. **Ann Intern Med** 85(2):165–9, Aug 76

Sepsis of urological origin: microbiological aspects. Foz A. **Antibiot Chemother** 21:69–72, 1976

Direct method to determine the antibiotic susceptibility of rapidly growing blood pathogens. Wegner DL, et al. **Antimicrob Agents Chemother** 9(5):861–2, May 76

Recovery and clearance rates of oral microorganisms following experimental bacteraemias in dogs. Silver JG, et al. **Arch Oral Biol** 20(10):675–9, Oct 75

Anaerobic bacteremia. Wilson WR, et al. **Conn Med** 39(10):597–600, Oct 75

Clinical study of gram negative rods (GNR) septicemia at Keio University Hospital. pp. 151–4. Hasegawa M, et al. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.**

Viraemia studies on the Kyasanur Forest Disease human cases of 1966. Upadhyaya S, et al. **Indian J Med Res** 63(7):950–3, Jul 75

Asymptomatic bacteriuria, bacteremia, and other infections due to NSU corynebacteria. Furness G, et al. **Invest Urol** 13(3):227–32, Nov 75

Prevalence of toxigenic and invasive strains of Escherichia coli in a hospital population. Wachsmuth IK, et al. **J Infect Dis** 132(5):601–3, Nov 75

The changing bacteriologic pattern of newborn septicemia. Farquhar J Jr, et al. **J Ky Med Assoc** 73(12):657–9, Dec 75

Bacterium anitratum bacteremia in a chronic myelogenous leukemia with blastic transformation patients. Umsawasdi T, et al. **J Med Assoc Thai** 58(12):628–31, Dec 75

Streptococci and aerococci associated with systemic infection in man. Parker MT, et al. **J Med Microbiol** 9(3):275–302, Aug 76

Letter: Pneumococcal bacteremia in the neonate. Faden H. **J Pediatr** 87(3):497–8, Sep 75

Letter: Sepsis and osteomyelitis due to Staphylococcus aureus phage type 94 in a neonatal intensive care unit. Rhodes PG, et al. **J Pediatr** 88(6):1063–4, Jun 76

Value of granulocyte examination for bacteria. Carlson BE, et al. **JAMA** 235(14):1465–6, 5 Apr 76

Letter: Antibiotics and gram–negative bacteremia. McGowan JE Jr. **JAMA** 234(7):704–5, 17 Nov 75

Geotrichum septicemia. Sheehy TW, et al. **JAMA** 235(10):1035–7, 8 Mar 76

Polymicrobial bacteremia in obstetric patients. Monif GR, et al. **Obstet Gynecol** 48(2):167–9, AUG 76

Bacteremia in a general hospital. A prospective study of 102 consecutive cases. Jepsen OB, et al. **Scand J Infect Dis** 7(3):179–84, 1975

Bacteroides bacteraemia. A clinical and bacteriological analysis of 51 patients. Olsen H. **Scand J Infect Dis** 8(2):107–11, 1976

The resistance of 150 Klebsiella and E. coli strains isolated from patients suffering from bacteriaemia. Brandberg A, et al. **Scand J Infect Dis [Suppl]** (8):103–5, 1976

Neisseria subflava infections—bacteriological aspects of two cases. Chong Y, et al. **Yonsei Med J** 16(1):44–9, 1975

[Physiological and metabolic problems of virulence of various septicemia–causing agents] Velianov D. **Acta Microbiol Virol Immunol (Sofiia)** 1:29–39, 1975 (Eng. Abstr.) **(Bul)**

[Serologic typing of strains of Pasteurella haemolytica isolated from sheep] Dikova Ts. **Vet Med Nauki** 12(6):99–102, 1975 (Eng. Abstr.) **(Bul)**

[Clinical significance of bacteroides bacteremia] Valtonen V. **Duodecim** 91(13):797–9, 1975 **(Fin)**

[Change of form of septicaemic diseases (author's transl)] Stille W, et al. **Munch Med Wochenschr** 118(17):529–32, 23 Apr 76 (Eng. Abstr.) **(Ger)**

[Listeria monocytogenes infection] Filloy Yagüe L, et al. **Bol Med Hosp Infant Mex** 33(3):547–53, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Enteric fever by Pseudomonas stutzeri] Cristina Nuñez TM, et al. **Rev Chil Pediatr** 46(1):60–2, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Septicemia caused by Salmonella bareilly] Ledermann GW, et al. **Rev Chil Pediatr** 46(1):9–12, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Enterobacter cloacae bacteremia in dialysis patients] Borobio MV, et al. **Rev Clin Esp** 137(6):517–20, 30 Jun 75 (Eng. Abstr.) **(Spa)**

[Meningoencephalitis and septicemia caused by Neisseria meningitidis. Clinical, bacteriolgical, and histopathological experiences] Valenzuela MT. **Salud Publica Mex** 17(4):511–5, Jul–Aug 75 **(Spa)**

MORTALITY

The outcome of staphylococcal bacteremia in childhood. 'The prognosis is better than previously reported'. David C, et al. **Clin Pediatr (Phila)** 15(3):273–5, 278–9, Mar 76

Possibly avoidable deaths in hospital in the age–group one week to two years. Oakley JR, et al. **Lancet** 1(7963):770–2, 10 Apr 76

OCCURRENCE

Pneumococcal bacteremia in the young child. Klein JO. **Am J Dis Child** 129(11):1266–7, Nov 75

Nationwide epidemic of septicemia caused by contaminated intravenous products. I. Epidemiologic and clinical features. Maki DG, et al. **Am J Med** 60(4):471–85, Apr 76

Salmonella heidelberg enteritis and bacteremia. An epidemic on two pediatric wards. Rice PA, et al. **Am J Med** 60(4):509–16, Apr 76

Neonatal sepsis. Study of 230 cases in comparative groups,

according to origin. Jaso E, et al. **Antibiot Chemother** 21:151–5, 1976

Gram–negative sepsis and endotoxic shock (lecture). Seneca H, et al. **Antibiot Chemother** 21:52–61, 1976

Endoscopy – related bacteremia. Incidence of positive blood cultures after endoscopy of upper gastrointestinal tract. Mellow MH, et al. **Arch Intern Med** 136(6):667–9, Jun 76

Sepsis–the Wayne State University Symposium—Part II. The increasing incidence of sepsis and antibiotic resistance. Brown WJ. **Heart Lung** 5(4):593–5, Jul–Aug 76

Bacteremia at Boston City Hospital: Occurrence and mortality during 12 selected years (1935–1972), with special reference to hospital–acquired cases. McGowan JE Jr, et al. **J Infect Dis** 132(3):316–35, Sep 75

Bacteremia in children: an outpatient clinical review. McCarthy PL, et al. **Pediatrics** 57(6):861–8, Jun 76

'Walk–in' bacteremia. Quie PG. **Pediatrics** 57(6):827–8, Jun 76

Septicaemia in critical care patients treated with high doses of antibiotics. Lackner F, et al. **Resuscitation** 3(3):205–9, 1974

[Current aspects of septicemia with gram–negative bacilli] Păscariu C, et al. **Rev Ig [Bacteriol]** 19(4):317–24, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Absence of bacteremia after dental extractions] Navarrete F, et al. **Bol Med Hosp Infant Mex** 33(1):227–31, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pathology of gram–negative sepsis and septicemic shock. Usón AC, et al. **Antibiot Chemother** 21:66–8, 1976

Letter: Renal lesions in a case of septicaemia. Dixon MF. **Br Med J** 1(6015):957, 17 Apr 76

Pathogenesis of cutaneous lesions in acute meningococcemia in humans: light, immunofluorescent, and electron microscopic studies of skin biopsy specimens. Sotto MN, et al. **J Infect Dis** 133(5):506–14, May 76

Fever, shock, and hepatomegaly in a 13–month–old boy. Strauss RG, et al. **J Pediatr** 87(5):819–23, Nov 75

[Proceedings: Neonatal septicemia and meningitis caused by Levinea malonatica] Duhamel M, et al. **Arch Fr Pediatr** 32(5):492–3, May 75 **(Fre)**

[Effect of experimental staphylococcemia on rabbit central nervous system at selected developmental periods] Wilmowska–Pietruszyńska A. **Neuropatol Pol** 14(2):231–44, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

[Pathological anatomy of present–day sepsis] Ageev AK, et al. **Arkh Patol** 37(5):21–9, 1975 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of meningococcemia in children] Kan'shina NF, et al. **Arkh Patol** 37(5):45–50, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Endocrine changes in sepsis. Wilson RF. **Heart Lung** 5(3):411–5, May–Jun 76

Marked suppression of thyroid function in rats with gram–negative septicemia. Kan MK, et al. **J Nucl Med** 17(02):104–7, Feb 76

Dissemination and causes of infection. Polk HC Jr, et al. **Surg Clin North Am** 56(4):817–29, Aug 76

Pathophysiologic alterations during bacterial infusions for the study of bacteremic shock. Postel J, et al. **Surg Gynecol Obstet** 141(5):683–92, Nov 75

The critical relationship of intravascular blood volume and vascular capacitance in sepsis. Thal AP, et al. **Surg Gynecol Obstet** 143(1):17–22, Jul 76

[Electrocardiographic changes in staphylococcal sepsis in young children] Voloshanskaia NV. **Pediatr Akush Ginekol** (2):27–9, Mar–Apr 76 **(Ukr)**

PREVENTION & CONTROL

Prophylaxis against infection and septicemia in parenteral nutrition via central intravenous catheter. Holm I, et al. **Acta Chir Scand** 141(3):173–81, 1975

Septic complications of total parenteral nutrition. A five year experience. Sanders RA, et al. **Am J Surg** 132(2):214–20, Aug 76

Prophylaxis against anaerobic sepsis in bowel surgery. Keighley MR, et al. **Br J Surg** 63(7):538–41, Jul 76

Escherichia coli 075:Kf147:H5 cross reactive with the capsular polysaccharide of Haemophilus influenzae type B: studies of the immunochemical relationship and prospects for heteroimmunization in humans to prevent septicemic disease caused by H. influenzae type B. pp. 103–20. Robbins JB, et al.
In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8. (59 ref.)

Letter: Central venous cannulation. van Riji AM. **NZ Med J** 83(561):243, 14 Apr 76

Proceedings: Millipore filters in intravenous fluid administration. Raine PAM, et al. **Scott Med J** 20(4):186, Jul 75

Prevention of lethal pseudomonas bacteremia with epimerase–deficient E. coli antiserum. Ziegler EJ, et al. **Trans Assoc Am Physicians** 88:101–8, 1975

RADIOGRAPHY

Radiological findings in group B streptococcal Sepsis. Weller MH, et al. **Radiology** 118(2):385–7, Feb 76

THERAPY

Therapy of Staphylococcus aureus bacteremia associated with a removable focus of infection. Iannini PB, et al. **Ann Intern Med** 84(5):558–60, May 76

Exchange transfusion in severe neonatal infection with sclerema. Xanthou M, et al. **Arch Dis Child** 50(11):901–2, Nov 75

Prophylactic granulocyte support in experimental septicemia. Tobias JS, et al. **Blood** 47(3):473–9, Mar 76

Septicaemia. Powrie S, et al. **Br J Anaesth** 48(1):41–7, Jan 76 (30 ref.)

Impaired transfusion response to granulocytes collected by filtration leucapheresis. pp. 324–8. Herzig GP, et al.
In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 1605L 1974.

Combined pre–immunization and granulocyte transfusion therapy for treatment of pseudomonas septicemia in neutropenic dogs. Harvath L, et al. **J Lab Clin Med** 87(5):840–7, May 76

How we manage gram–negative sepsis. Gongaware T, et al. **Med Times** 104(7):57–9, Jul 76

[Perspectives of use of hyperimmune antistaphylococcal plasma in severe burn infection] Panova IuM, et al. **Khirurgiia (Mosk)** (2):33–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Clinical aspects and treatment of puerperal and postabortion staphylococcal sepsis] Kuznetsova VI, et al. **Pediatr Akush Ginekol** :55–8, May–Jun 76 **(Ukr)**

VETERINARY

Development of Ehrlichia canis, causative agent of canine ehrlichiosis, in the tick Rhipicephalus sanguineus and its differentiation from a symbiotic Rickettsia. Smith RD, et al. **Am J Vet Res** 37(2):119–26, Feb 76

Hematology of the neonatal calf. II. Response associated with acute enteric infections, gram–negative septicemia, and experimental endotoxemia. Tennant B, et al. **Cornell Vet** 65(4):457–75, Oct 75

Perinatal listeric septicemia in a Celebese black ape. McClure HM, et al. **J Am Vet Med Assoc** 167(7):637–8, 1 Oct 75

Protection of cattle against experimental haemorrhagic septicaemia by the capsular antigens of Pasteurella multocida, types B and E. Nagy LK, et al. **Res Vet Sci** 20(3):249–53, May 76

A septicaemic disease of East African snakes associated with enterobacteriaceae. Cooper JE, et al. **Trans R Soc Trop Med Hyg** 70(1):80–4, 1976

Arizona septicemia in three boa constrictors. Boever WJ, et al. **Vet Med Small Anim Clin** 70(11):1357–9, Nov 75

Staphylococcal septicemia in puppies (a case report). Olson PS. **Vet Med Small Anim Clin** 70(10):1159, Oct 75

Erysipelothrix insidiosa septicemia in neonatal calves. Rebhun WC. **Vet Med Small Anim Clin** 71(5):684–6, May 76

[Infectious septicemic–thrombosing meningoencephalitis in a feeder–bull unit. III. Therapeutic trials with ampicillin (Binotal)] Scheer M, et al. **Dtsch Tieraerztl Wochenschr** 82(7):267–9, 5 Jul 75 (Eng. Abstr.) **(Ger)**

[Moraxella septicemia infection in geese] Hinz KH, et al. **Zentralbl Veterinaermed [B]** 23(4):341–5, May 76 (Eng. Abstr.) **(Ger)**

[Effectiveness of antibiotics in experimental colisepticemia in chicks] Ezhov VI. **Veterinariia** (9):63–6, Sep 75 **(Rus)**

SEPTUM PELLUCIDUM

ABNORMALITIES

Ventriculographic pictures with air and oil in eight infants with agenesis of the septum pellucidum. pp. 221–5. Mraček Z.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

[Clinical and pathol–anatomic findings in corpus callosum deficiency, enlarged cavum septi pellucidi, and septal defect] Günzel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):601–11, Oct 75 (Eng. Abstr.) **(Ger)**

[Anomalies of cerebral interhemispheric formations. Clinico–radiological considerations] de Santis LA, et al. **Riv Neurobiol** 18(1):7–47, Jan–Mar 72 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Cinguloseptal projections in the squirrel monkey. Powell EW, et al. **Brain Res** 96(2):310–6, 17 Oct 75

Connections of the nucleus accumbens. Powell EW, et al. **Brain Res** 105(3):389–403, 9 Apr 76

Analysis of the septo–hippocampal pathway by light and electron microscopic autoradiography. Rose AM, et al. **Brain Res** 108(1):170–4, 21 May 76

Projections of the hippocampus to the septal area in the squirrel monkey. Siegel A, et al. **Brain Res** 99(2):247–60, 5 Dec 75

Corticoseptal projections in the snakes Natrix sipedon and Thamnophis sirtalis. Ulinski PS. **J Comp Neurol** 164(3):375–88, 1 Dec 75

BLOOD SUPPLY

The arterial and venous blood supply of the septum pellucidum in the rat. Ambach G, et al. **Acta Morphol Acad Sci Hung** 23(2):133–44, 1975

CYTOLOGY

Autoradiographic tracing of nucleus accumbens efferents in the rat. Conrad LC, et al. **Brain Res** 113(3):589–96, 3 Sep 76

The midline septum telencephali: a raphe. Chronister RB, et al. **Exp Neurol** 50(3):684–98, Mar 76

DRUG EFFECTS

Denervation supersensitivity in the cholinergic septo–hippocampal pathway: a microiontophoretic study. Bird SJ, et al. **Brain Res** 100(2):355–70, 19 Dec 75

Amphetamine and apomorphine responses in the rat following 6–OHDA lesions of the nucleus accumbens septi and corpus striatum. Kelly PH, et al. **Brain Res** 94(3):507–22, 5 Sep 75

Pharmacology of the inhibiton in the lateral septal region. DeFrance JF, et al. **Exp Neurol** 48(3 Pt 1):502–23, Sep 75

Asymmetrical state dependency from temporary septal area dysfunction in rats. Duncan PM, et al. **J Comp Physiol Psychol** 89(6):537–45, Aug 75

Apomorphine in the rat nucleus accumbens: effects on the synthesis of 5–hydroxytryptamine and noradrenaline, the motor activity and the body temperature. Grabowska M, et al. **J Neural Transm** 38(1):1–8, 1976

The effect of long–term penfluridol treatment on the sensitivity of the dopamine receptors in the nucleus accumbens and in the corpus striatum. Jackson DM, et al. **Psychopharmacologia** 45(2):151–5, 31 Dec 75

A functional effect of dopamine in the nucleus accumbens and in some other dopamine–rich parts of the rat brain. Jackson DM, et al. **Psychopharmacologia** 45(2):139–49, 31 Dec 75

Changes in excitability of amygdaloid and septal nuclei induced by medazepam hydrochloride. Stock G, et al. **Psychopharmacologia** 46(2):197–203, 16 Mar 76

[The effect of leukocyte pyrogen on thermosensitive neurons of the anterior hypothalamus] Beliavskiĭ EM, et al. **Biull Eksp Biol Med** 80(11):17–20, Nov 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Acetylcholinesterase histochemistry of the septal region in rat and human: distribution of enzyme activity. Harkmark W, et al. **Brain Res** 95(2–3):281–9, 23 Sep 75

PHYSIOLOGY

Maze learning in septal rats. Drzewiecka B, et al. **Act Nerv Super (Praha)** 18(1–2):121–3, Jun 76

L–Dopa reduces hyperreactivity induced by septal lesions in rats. Gage FH, et al. **Behav Biol** 17(2):213–8, Jun 76

Habituation of the orienting response after medial and lateral septal lesions in the albino rat. Köhler C. **Behav Biol** 16(1):63–72, Jan 76

Effects of septal lesions on behavior elicited by stimulation of the amygdaloid complex. Lieblich I, et al. **Behav Biol** 17(1):1–16, May 76

Crosscorrelation between the activity of septal units and hippocampal EEG during arousal. Apostol G, et al. **Brain Res** 67(1):65–75, 15 Feb 74

Hippocampal influence on hyperreactivity induced by septal lesions. Gage FH, et al. **Brain Res** 98(2):311–25, 14 Nov 75

Acetylcholinesterase and choline acetyltransferase activity in the amygdala of rat brain after septal lesions. Oderfeld–Nowak B, et al. **Brain Res** 106(2):396–402, 23 Apr 76

Stimulation by morphine of acetylcholine output from the cerebral cortex of septal rats. Pepeu G, et al. **Brain Res** 100(3):677–80, 26 Dec 75

Free–operant avoidance behavior in rats with lateral septal lesions: Effect of shock intensity. Sagvolden T. **Brain Res** 110(3):559–74, 16 Jul 76

Silver degeneration and autoradiographic evidence for a projection from the principal sulcus to the septum in the rhesus monkey. Tanaka D, et al. **Brain Res** 103(3):535–40, 27 Feb 76

Influences of hypothalamic stimulation upon septal and hippocampal electrical activity in the cat. Wilson CL, et al. **Brain Res** 107(1):55–68, 30 Apr 76

Spontaneous septal neuron activity in the rat. Yamaoka S, et al. **Brain Res** 67(1):147–52, 15 Feb 74

Twenty–four–hour resting prolactin levels in male rats: the effect of septal lesions and order of sacrifice. Seggie J, et al. **Endocrinology** 98(6):1516–22, Jun 76

Effects of anesthetics and septal lesions and stimulation on 3H–acetylcholine formation in rat hippocampus. Atweh SF, et al. **Eur J Pharmacol** 37(2):311–9, Jun 76

Forebrain influences on an amygdaloid acute focus in the cat. Fariello R. **Exp Neurol** 51(3):515–28, Jun 76

Descending projections of the rostral septal region: an electrophysiological–histological study in the cat. Heath RG, et al. **Exp Neurol** 50(3):536–60, Mar 76

Septal afterdischarges and their modification by the cerebellum. Snider RS, et al. **Exp Neurol** 49(2):529–39, Nov 75

Effects of dorsal, mediobasal and laterobasal septal lesions in the rat: water and sodium chloride intake. Sterc J, et al. **Exp Neurol** 48(2):175–88, Aug 75

Facilitation of female sexual behavior in male rats by septal

lesions: an interaction with estrogen. Nance DM, et al. **Horm Behav** 6(3):289–99, Sep 75

Effect of septal lesions on adrenal cortical and medullary activity during stress. pp. 437–41. Murgaš K, et al. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

The reaction of synaptogenesis in the central and peripheral nervous systems of the adult rat. pp. 348–51. Raisman G. **In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.**

The behavioral effects of morphine in rats with septal and hypothalamic lesions. pp. 297–307. Bernard P, et al. **In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.**

Effects of prefeeding on the DRL preformance of rats with septal lesions. Aitken WC Jr, et al. **J Comp Physiol Psychol** 89(6):546–55, Aug 75

Interactive effects of training condition and septal lesions on perseverative responding in the rat. Atta LV, et al. **J Comp Physiol Psychol** 89(5):421–6, Jul 75

Facilitation and nonfacilitation of active avoidance behavior of rats with septal lesions in the shuttle box and running wheel. Blatt RC. **J Comp Physiol Psychol** 90(7):704–13, Jul 76

Septal lesions and behavior: effects of presurgical rearing and strain of mouse. Donovick PJ, et al. **J Comp Physiol Psychol** 89(8):859–67, Oct 75

Cholinergic blockade, septal lesions, and DRL performance in the rat. Ellen P, et al. **J Comp Physiol Psychol** 89(5):409–20, Jul 75

Persistent depression of rearing behavior in rats after extensive septal lesions. Kemble ED, et al. **J Comp Physiol Psychol** 89(7):747–58, Sep 75

The septum: neural systems involved in eating, drinking, irritability, nuricide, copulation, and activity in rats. Paxinos G. **J Comp Physiol Psychol** 89(10):1154–68, Dec 75

Septal influences on operant responding in the rat. Ross JF, et al. **J Comp Physiol Psychol** 89(6):523–36, Aug 75

Consummatory behavior as a function of ambient temperature in septal-lesioned and control rats. Sanes J, et al. **J Neurosci Res** 1(5–6):333–41, 1975

Dissociation by the aporphine derivatives of the stereotypic and hyperactivity responses resulting from injections into the nucleus accumbens septi. Costall B, et al. **J Pharm Pharmacol** 27(11):875–7, Nov 75

Frequency-related inhibitory mechanisms controlling rhythmical activity in the septal area. McLennan H, et al. **J Physiol (Lond)** 254(3):827–41, Jan 76

Proceedings: Septal area neurons. Yamaoka S. **J Physiol Soc Jpn** 36(8–9):400, 1 Sep 74

Effects of drugs and axotomy on acetylcholine levels in central cholinergic neurons. Rommelspacher H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(1):17–21, 3 Nov 75

Influence of septal nuclei on basal pituitary-adrenocortical function in birds. Bouillé C, et al. **Neuroendocrinology** 18(4):281–9, 1975

Effects of estrogen on neuronal excitability in the hippocampal-septal-hypothalamic system. Kubo K, et al. **Neuroendocrinology** 18(2):176–91, 1975

Taming effects of p-chlorophenylalanine on the aggressive behavior of septal rats. Jones AB, et al. **Pharmacol Biochem Behav** 4(4):397–400, Apr 76

Omission training and extinction in rats with septal damage. Aaron M, et al. **Physiol Behav** 15(2):149–54, Aug 75

Septal hyperreactivity: a comparison of lesions within and adjacent to the septum. Albert DJ, et al. **Physiol Behav** 15(3):339–47, Sep 75

Response suppression in normal and septal rats. Atnip G, et al. **Physiol Behav** 15(5):417–21, Oct 75

Variability and discrimination reversal learning in the open field following septal lesions in rats. Cherry CT. **Physiol Behav** 15(6):641–6, Dec 75

Septal lesions and the recovery of function in the juvenile hamster. Janzen WB, et al. **Physiol Behav** 16(4):445–52, Apr 76

Septal lesions in meadow voles and mongolian gerbils: consummatory and investigatory behavior. Laughlin ME, et al. **Physiol Behav** 15(2):191–8, Aug 75

Effects of septal-fiber knife cuts on rat open-field social behavior. Poplawsky A. **Physiol Behav** 15(2):177–84, Aug 75

Cardiovascular responses elicited by electrical brain stimulation in the rabbit. Powell DA, et al. **Physiol Behav** 16(2):227–30, Feb 76

Hyperdipsia produced by severing ventral septal fiber systems. Tondat LM, et al. **Physiol Behav** 15(6):701–6, Dec 75

Faster acquisition of an olfactory discrimination following septal lesions in male albino rats. Vom Saal FS, et al. **Physiol Behav** 14(6):697–703, Jun 75

Lesion artifact in brain stimulation experiments. Wyss JM, et al. **Physiol Behav** 16(4):387–9, Apr 76

[Stimulation of the median bundle of the telencephalon in the cat: unitary responses in the amygdala and septum] Lamour Y. **Brain Res** 107(1):145–50, 30 Apr 76 **(Fre)**

[Histochemistry of cholinergic systems in the CNS. I. Topochemical and quantitative changes in acetylcholinesterase activity in the limbic cortex after septal lesions in the rat (author's transl)] Wenk H, et al. **Acta Histochem (Jena)** 53(1):77–92, 1975 (Eng. Abstr.) **(Ger)**

[Phasic activation of the CA1 pyramidal neurons of the hippocampus during sleep with rapid waves after lesion of the septum] Franzini C, et al. **Boll Soc Ital Biol Sper** 51(15–16):981–6, 30 Aug 75 **(Ita)**

[Proceedings: Single electric discharge response of the neurosecretory cells of the supraoptic nucleus of cats to the electric stimulation and osmotic pressure given to the septal area and brain stem reticular formation] Konan H, et al. **J Physiol Soc Jpn** 36(8–9):400, 1 Sep 74 **(Jpn)**

[The functional role of the septum] Paigacheva IV, et al. **Neirofiziologiia** 8(3):267–75, 1976 (Eng. Abstr.) **(Rus)**

[Acetylcholinesterase in the rabbit hippocampal formation after destruction of the septohippocampal connections] Karanova MV, et al. **Ukr Biokhim Zh** 48(2):148–52, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The effect of disconnecting the hippocampus from the septum on the activity of septal neurons] Brazhnik ES, et al. **Zh Vyssh Nerv Deiat** 25(5):1044–52, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Neurochemical mechanisms of the septum in food getting conditioned responses in rats] Talalaenko AN. **Zh Vyssh Nerv Deiat** 26(2):358–65, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of 6-hydroxydopamine intracerebrally injected on reproduction in rats (author's transl)] González-Barón S, et al. **Rev Esp Fisiol** 31(1):53–62, Mar 75 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

The discrimination of nine different types of synaptic boutons in the fundus striati (Nucleus accumbens septi). Hassler R, et al. **Cell Tissue Res** 168(4):489–505, 26 May 76

SERAX see **OXAZEPAM**

SERIAL EXTRACTION

Serial extraction: Precautions, limitations, and alternatives. Dewel BF. **Am J Orthod** 69(1):95–7, Jan 76

Second premolar serial extraction. Joondeph DR, et al. **Am J Orthod** 69(2):169–84, Feb 76

Pitfalls in serial extraction. pp. 282–6. West EE. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**

Extractions in orthodontics updated. Perlow J. **NY State Dent J** 42(7):415–9, Aug–Sep 76

[Preliminary distal movement of the canines in cases of extraction with crowded incisors] Bonnerot M. **Orthod Fr** 44(1):572–3, 1973 (Eng. Abstr.) **(Fre)**

[Relation between vertical facial growth and orthodontic tooth extraction] Sartori H. **Orthod Fr** 46:211–8, 1975 (Eng. Abstr.) **(Fre)**

METHODS

Cardinal points on bicuspid extraction. pp. 287–95. de Castro N. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**

Differential diagnosis—to extract or not to extract. pp. 563–75. Lang HM. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London,, Staples, 1975. W3 IN805 1975t.**

[An instruction sheet for orthodontic extraction therapy] Nawrath K, et al. **ZWR** 84(2):63–5, 25 Jan 75 **(Ger)**

SERIAL LEARNING

Some evidence for 'speech' as an acoustic feature. Morton J, et al. **Br J Psychol** 67(1):31–45, Feb 76

Paired-associate and serial learning in retarded readers. Camp BW, et al. **J Educ Psychol** 67(3):385–90, Jun 75

Effects of visual and tactual stimulus presentation on learning two-choice patterned and semirandom sequences. Manning SK, et al. **J Exp Psychol [Hum Learn]** 1(6):736–44, Nov 75

Serial processing shown by mutual masking of icons. Harcum ER, et al. **Percept Mot Skills** 40(2):399–408, Apr 75

The unimportance of explicit spatial information in serial recall of visually presented lists. Hitch G, et al. **Q J Exp Psychol** 27(2):161–4, May 75

An 'across-the-board' modality effect in immediate serial recall. Routh DA. **Q J Exp Psychol** 28(2):285–304, May 76

Order of acquisition of the parts of a serial-motor task. Magill RA. **Res Q Am Assoc Health Phys Educ** 47(1):134–9, Mar 76

Method for analyzing serial perceptual-motor responses. Zaichkowsky LD. **Res Q Am Assoc Health Phys Educ** 46(4):514–6, Dec 75

SERINE

Decomposition of phosphoserine and phosphothreonine during acid hydrolysis. Bylund DB, et al. **Anal Biochem** 73(2):477–85, Jun 76

D-serine nephrotoxicity. The nature of proteinuria, glucosuria, and aminoaciduria in acute tubular necrosis. Carone FA, et al. **Arch Pathol** 99(12):658–62, Dec 75

On the location of active serines of membrane acetylcholinesterase studied by the ESR method. Sentjurc M, et al. **Biochim Biophys Acta** 438(1):131–7, 7 Jun 76

A molecular orbital study on the effects of substituents on the proton transfer from ser-195 to his-57 in the hydrolysis of alpha-chymotrypsin. Umeyama H, et al. **Chem Pharm Bull (Tokyo)** 23(12):3045–55, Dec 75

Coordination isomers of biological iron transport compounds. VI. Models of the enterobactin coordination site. A crystal field effect in the structure of potassium tris(catecholato)chromate(III) and -ferrate(III) sesquihydrates, K3(M(O2C6H4)3)-1.5H2O, M = Cr, Fe1. Raymond KN, et al. **J Am Chem Soc** 98(7):1767–74, 31 Mar 76

Models for the bacterial iron-transport chelate enterochelin. Anderson BF, et al. **Nature** 262(5570):722–4, 19 Aug 76

ANALOGS & DERIVATIVES

Krämer J, et al. **Antonie van Leeuwenhoek** 41(4):405–10, 1975

A function common to iron-enterochelin transport and action of colicins B, I, V in Escherichia coli. Hantke K, et al. **FEBS Lett** 59(2):277–81, 15 Nov 75

N-acetylserine in horse muscle acylphosphatase. Cappugi G, et al. **Int J Pept Protein Res** 8(3):269–73, 1976

Coordination isomers of biological iron transport compounds. V. The preparation and chirality of the chromium(III) enterobactin complex and model tris(catechol)chromium(III) analogues. Isied SS, et al. **J Am Chem Soc** 98(7):1763–7, 31 Mar 76

Characterization of group B colicin-resistant mutants of Escherichia coli K-12: colicin resistance and the role of enterochelin. Pugsley AP, et al. **J Bacteriol** 127(1):218–28, Jul 76

Siderophore protection against colicins M, B, V, and Ia in Escherichia coli. Wayne R, et al. **J Bacteriol** 126(1):7–12, Apr 76

Mu-induced polarity in the Escherichia coli K-12 ent gene cluster: evidence for a gene (entG) involved in the biosynthesis of enterochelin. Woodrow GC, et al. **J Bacteriol** 124(1):1–6, Oct 75

A convenient synthesis of N-tert-butyloxycarbonyl-O-benzyl-L-serine. Sugano H, et al. **J Org Chem** 41(13):2352–3, 25 Jun 76

Effects of 3,4-dihydroxyphenylserine on the concentration of brain noradrenaline and the level of plasma growth hormone of rats. Hirai M, et al. **Med J Osaka Univ** 26(12):51–9, Sep 75

Occurrence of phosphorylserine in the spore coat of Bacillus subtilis NRRL B558. Sano K, et al. **Microbios** 12(47–48):67–76, 1975

Influence of phosphoserine on the performance of rats on the rotarod. Fanelli O. **Pharmacology** 14(1):52–7, 1976

Preparation of enterochelin from Escherichia coli. Young IG. **Prep Biochem** 6(2–3):123–31, 1976

Cardiovascular effects of D,L-threo-dihydroxyphenylserine in cats. Redmond DE Jr, et al. **Toxicol Appl Pharmacol** 34(2):301–8, Nov 75

[Stereoselective syntheses of the diasteromeric D,L-3-(p-fluorophenyl)-serines and -isoserines (author's transl)] Blažević N, et al. **Arch Pharm (Weinheim)** 308(7):541–9, Jul 75 **(Ger)**

[Synthesis of (-) or (+) -threo-3-(3,4-dihydroxyphenyl) serine and (-) or (+) -erythro-3-(3,4-dihydroxyphenyl)-serine] Hegedüs B, et al. **Helv Chim Acta** 58(1):147–62, 29 Jan 75 (Eng. Abstr.) **(Ger)**

[Reaction of 1,2-diphenyl-4-bis-(methylthio)methylenepyrazolidin-3,5 with serine, cysteine and their derivatives] Auzzi G, et al. **Farmaco [Sci]** 30(5):408–17, May 75 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

The distribution of the isocitrate lyase serine pathway amongst one-carbon utilizing organisms. Bellion E, et al. **Can J Microbiol** 22(3):404–8, Mar 76

Serine biosynthesis in human hair follicles by the phosphorylated pathway: follicular 3-phosphoglycerate dehydrogenase. Goldsmith LA, et al. **J Invest Dermatol** 66(6):360–6, Jun 76

Defective leukocyte metabolism in human cobalamin deficiency: impaired propionate oxidation and serine biosynthesis reversible by cyanocobalamin therapy. Robertson JS, et al. **J Lab Clin Med** 87(1):89–97, Jan 76

Effect of adenosine 3',5'-monophosphate on serine metabolism in chick tissues. Coon CN, et al. **Proc Soc Exp Biol Med** 152(2):175–7, Jun 76

CHEMICAL SYNTHESIS

Letter: Stereospecific synthesis of isotopically labeled serine at carbon 3 and stereochemical analysis of D-serine dehydrase reaction. Cheung YF, et al. **J Am Chem Soc** 98(11):3397–8, 26 May 76

METABOLISM

Specific gamma-glutamyl transpeptidase inhibitor from human and animal intestines. Szewczuk A, et al. **Arch Immunol Ther Exp (Warsz)** 24(3):439–50, 1976

Serine auxotrophy of myoblasts in primary and secondary culture. Dufresne MJ, et al. **Biochem Biophys Res Commun** 70(4):1085–90, 21 Jun 76

Substrate specificity of the L-serine O-sulphate degrading

activities of Pseudomonas FR. Tudball N, et al. **Biochim Biophys Acta** 429(2):616–23, 8 Apr 76

The effect of methionine on the metabolism of serine and glycine in vitamin B–12–deficient rats. Vidal AJ, et al. **Biochim Biophys Acta** 399(2):228–43, 13 Aug 75

Glucagon–mediated stimulation of (32P) orthophosphate and (14C) serine incorporation into phosphatidylserine in cardiac muscle slices. Lo H, et al. **Endocrinology** 98(1):251–4, Jan 76

Glycine–serine interrelations in the chick. Featherston WR. **Fed Proc** 35(8):1910–3, Jun 76

Folate derivatives and patterns of C–1 metabolism in neurospora crassa, wild type, Ser–1 and formate mutants. pp. 331–9. Combepine G, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Serine substitutions caused by an ochre suppressor in yeast. Liebman SW, et al. **J Mol Biol** 94(4):595–610, 5 Jun 75

Gluconeogenesis from L–serine in rat liver. Bhatia SC, et al. **Life Sci** 17(2):267–73, 15 Jul 75

Utilization of L–serine in the in vivo biosynthesis of glycerophospholipids by rat liver. Yeung SK, et al. **Lipids** 11(7):498–505, Jul 76

[Comparative studies on wholebody retention of iron(II)–sulfate and a combination of iron(II)–sulfate and DL–serine] Kraft D, et al. **Arzneim Forsch** 25(8):1319–21, Aug 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Inhibition of chicken pyruvate kinases by amino acids. Ibsen KH, et al. **Biochemistry** 15(5):1073–9, 9 Mar 76

Studies of bacterial chemotaxis in defined concentration gradients. A model for chemotaxis toward L–serine. Dahlquist FW, et al. **J Supramol Struct** 4(3):329–42, 1976

Effects of serine on morphine–dependent mice. Filipović N, et al. **Pharmacology** 14(3):247–55, 1976

SERINE DEAMINASE see **SERINE DEHYDRATASE**

SERINE DEHYDRATASE

Letter: Stereospecific synthesis of isotopically labeled serine at carbon 3 and stereochemical analysis of D–serine dehydrase reaction. Cheung YF, et al. **J Am Chem Soc** 98(11):3397–8, 26 May 76

13C NMR spectroscopy of labeled pyridoxal 5'–phosphate. Model studies, D–serine dehydratase, and L–glutamate decarboxylase. O'Leary MH, et al. **J Biol Chem** 251(8):2248–54, 25 Apr 76

ANALYSIS

N–terminal amino acid sequences of D–serine deaminases of wild–type and operator–constitutive strains of Escherichia coli K–12. Heincz MC, et al. **J Bacteriol** 123(3):1163–8, Sep 75

BIOSYNTHESIS

Synthesis of inducible enzyme in Escherichia coli recovering from prolonged energy starvation. Hwang LT, et al. **Biochim Biophys Acta** 435(4):349–61, 16 Jul 76

Escape synthesis of D–serine deaminase in lambda dsdC integration lysogens. Carothers AM, et al. **J Bacteriol** 127(2):1028–9, Aug 76

Specialized transduction of D–serine deaminase genes: formation of lysogens that yield high lambda–d dsd/lambda ratios and formation of a dimeric lambda–d dsd. Palchaudhuri S, et al. **J Bacteriol** 127(2):998–1014, Aug 76

ISOLATION & PURIFICATION

[L–serine deaminase of the guinea–pig's liver : demonstration of a cytoplasmic enzyme with secondary L–threonine deaminase activity; study of the physico–chemical characteristics] Leflon P, et al. **C R Acad Sci [D] (Paris)** 282(5):501–3, 2 Feb 76 **(Fre)**

METABOLISM

Regulation of hepatic L–serine dehydratase and L–serine–pyruvate aminotransferase in the developing neonatal rat. Snell K, et al. **Biochem J** 144(3):519–31, Dec 74

Hormonal and nutritional effects on the binding of 125I–labeled anti–serine dehydratase Fab' to rat tissue polysomes. McLaughlin CA, et al. **Biochemistry** 15(16):3550–6, 10 Aug 76

Pyridoxal–5–phosphate–dependent enzymes in riboflavin deficiency. Lakshmi AV, et al. **Indian J Biochem Biophys** 12(2):136–8, Jun 75

Specific in vivo cleavage of D–serine deaminase and properties of tetrameric polypeptide aggregates of the fragments. Heincz MC, et al. **J Bacteriol** 126(1):132–9, Apr 76

Immunochemical studies of serine dehydratase and ornithine aminotransferase regulation in rat liver in vivo. Morris JE, et al. **J Biol Chem** 251(9):2571–8, 10 May 76

Studies of the effect of dietary cholesterol on hepatic protein synthesis, reduced glutathione levels and serine dehydratase activity in the rat. Clarke SD, et al. **J Nutr** 106(1):94–102, Jan 76

Diurnal variations in activity of four pyridoxal enzymes in rat liver during metabolic transition from high carbohydrate to high protein diet. Yanagl S, et al. **Life Sci** 17(9):1411–21, 1 Nov 75

Effect of various concentrations of protein in chick diet upon the metabolic enzymes of glycine and serine. Coon CN, et al. **Poult Sci** 54(5):1461–7, Sep 75

[Serine and threonine dehydratases in representatives of the Enterobacteriaceae family] Grigor'iants IS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):118–9, Apr 76 **(Rus)**

[The serine– and threonine dehydratases of brucellae] Shirokov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):52–6, May 76 (Eng. Abstr.) **(Rus)**

SERINE HYDROXYMETHYLTRANSFERASE see under **TRANSFERASES**

SERODIAGNOSIS

Serological differential diagnosis of viral hepatitis in adults. Hollós I, et al. **Acta Microbiol Acad Sci Hung** 23(1):29–40, 1976

Serological methods in the diagnosis of bluetongue. Boulanger P, et al. **Aust Vet J** 51(4):185–9, Apr 75

Letter: Rapid serological diagnosis of outbreaks of influenza. Grist NR. **Br Med J** 1(6009):581, 6 Mar 76

Evaluation of tests for infectious mononucleosis through proficiency testing. Taylor RN, et al. **Health Lab Sci** 13(1):34–44, Jan 76

Immunological diagnosis of bacterial and fungal diseases. pp. 87–98. Palmer DF. **In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.**

Correlation between serological and immunofluorescence results in the investigation of brucellosis in veterinary surgeons. Henderson RJ, et al. **J Clin Pathol** 29(1):35–8, Jan 76

Reliability of ELISA (enzyme–linked immunosorbent assay) as control method for the detection of Trichinella spiralis infections in naturally infected slaughter pigs. van Knapen F, et al. **J Parasitol** 62(2):332–3, Apr 76

Editorial: Immunodiagnosis of tropical infections. Draper CC. **J Trop Med Hyg** 79(2):23–4, Feb 76

Discussion on immunological tests in uveitis. **Mod Probl Ophthalmol** 16:279–84, 1976

Serological diagnosis of petriellidosis (allescheriosis). I. Isolation and characterization of soluble antigens from Allescheria boydu and Monosporium apiospermum. Lupan DM, et al. **Mycopathologia** 58(1):31–8, 4 Jun 76

Utilization of mathematical processing of serograms in the survey of some aspects in influenza epidemiology. Cristea AL, et al. **Rev Roum Virol** 25(4):295–302, 1974

[Contribution of immunoenzymological methods using purified antigens to the specific and automated diagnosis of parasitic infections] Capron A, et al. **Ann Soc Belg Med Trop** 55(5):443–54, 1975 **(Fre)**

[Serologic possibilities in the diagnosis of tropical diseases from the clinical viewpoint] Mohr W. **Med Klin** 71:1204–9, 9 Jul 76 **(Ger)**

[Immunological diagnosis of cryptococcosis] Robert L, et al. **Pathologica** 67(969–970):259–64, Jul–Aug 75 **(Ita)**

[The serology of seronegative rheumatoid arthritis] Pasero GP, et al. **Reumatismo** 24(2):77–122, Apr–Jun 72 (338 ref.) **(Ita)**

[Serodiagnosis of toxoplasmosis in pregnancy] Camargo ME. **Rev Assoc Med Bras** 21(11):341–4, Nov 75 **(Por)**

[Data on the use of serological tests for differentiation of exanthematous typhus primary infection from that of recurrences in native cases of Brill–Zinsser disease] Crăcea E, et al. **Rev Ig [Bacteriol]** 20(1):47–53, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[State and problems of the serological method of study in the immunology of rickettsiosis] Iablonskaia VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):16–20, Feb 76 (55 ref.) **(Rus)**

[Agarose gel electrophoresis and tube precipitin in the serological study of aspergillosis] Negroni R, et al. **Rev Asoc Argent Microbiol** 6(1):1–6, Jan–Apr 74 (Eng. Abstr.) **(Spa)**

[Use of allergens from chemical substances as antigens in immunocytologic and immunoserologic tests] Polisk NR, et al. **Fiziol Zh** 20(5):686–9, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

INSTRUMENTATION

Instrumental sample–preparation technique for an automated immunohematology assay system. Blume P, et al. **Clin Chem** 22(9):1456–8, Sep 76

METHODS

Serologic evaluation of the Mono–Chek test. Myhre BA, et al. **Am J Clin Pathol** 65(6):987–90, Jun 76

Hepatitis B antigen card test III: sensitivity and specificity. Stevens RW, et al. **Am J Clin Pathol** 66(1):59–64, Jul 76

Application of immunofluorescence and immunoenzyme methods in the serodiagnosis of Trichinella spiralis infection. Ruitenberg EJ, et al. **Ann NY Acad Sci** 254:296–303, 30 Jun 75

Immunodiagnosis of some helminth infections, using the defined antigen substrate spheres (DASS) system. Deelder AM. **Ann Soc Belg Med Trop** 55(5):469–72, 1975

The immunoperoxidase technique for rapid human cytomegalovirus identification. Gerna G, et al. **Arch Virol** 50(4):311–21, 1976

Study on the efficiency of five antibilharzial drugs judged by she direct and serodiagnostic methods. Saif El–Din S, et al. **Egypt J Bilharz** 2(1):95–110, 1975

Significance of different serological test methods in the diagnosis of mycotic infections. pp. 99–110. Seeliger HP. **In: de Haller R, Suter F, ed. Aspergillosis and farmer's lung in man and animal. Bern, Huber, 1974. W3 DA266 1971a.** (37 ref.)

Immunofluorescent antibody test for diagnosis of gonorrhoea. Caloenescu M, et al. **J Clin Microbiol** 1(2):143–6, Feb 75

Rapid separation of immunoglobulin M from immunoglobulin G antibodies for reliable diagnosis of recent rubella infections. Frisch–Niggemeyer W. **J Clin Microbiol** 2(5):377–81, Nov 75

Serological diagnosis of California (La Crosse) encephalitis by immunofluorescence. Kalis JM, et al. **J Clin Microbiol** 1(5):448–50, May 75

Evaluation of beckman antistreptolysin O and antideoxyribonuclease B (ASO/ADB) test kit. Klein GC. **J Clin Microbiol** 3(4):458–9, Apr 76

Comparison of three tests for the serological diagnosis of lymphocytic choriomeningitis virus infection. Lewis VJ, et al. **J Clin Microbiol** 2(3):193–7, Sep 75

Comparative evaluation of the Candida agglutinin test, precipitin test, and germ tube dispersion test in the diagnosis of candidiasis. Oblack D, et al. **J Clin Microbiol** 3(2):175–9, Feb 76

Measurement of parainfluenza–3 virus antibody by the single radial hemolysis technique. Probert M, et al. **J Clin Microbiol** 2(3):157–61, Sep 75

Rapid micromethod of screening for antibodies to disease agents using the indirect enzyme–labeled antibody test. Saunders GC, et al. **J Clin Microbiol** 3(6):604–8, Jun 76

Hemolysis–in–gel test for the demonstration of antibodies to rubella virus. Strannegård O, et al. **J Clin Microbiol** 1(6):491–4, Jun 75

A quantitative comparison of the sensitivity of serological test for bovine brucellosis to different antibody classes. Allan GS, et al. **J Hyg (Camb)** 76(2):287–98, Apr 76

Rubella antibody assay by the immunoperoxidase technique: comparison with the hemagglutination inhibition test for determination of immune status. Gerna G, et al. **J Infect Dis** 133(4):469–72, Apr 76

Further evaluation of the 'I.M.T.–Chagas flocculation test'. A comparison with complement fixation, hemagglutination and immunofluorescence tests. Camargo ME, et al. **Rev Inst Med Trop Sao Paulo** 17(4):230–5, Jul–Aug 75

Staphylococcal agglutination–inhibition reaction: a rapid and simple test for dengue antibodies. Cheong CY, et al. **Singapore Med J** 16(3):194–5, Sep 75

Letter: Application of ELISA—enzyme linked immunosorbent assay—in the sero–diagnosis of amoebiasis. Bos HJ, et al. **Trans R Soc Trop Med Hyg** 69(4):440, 1975

Serology and epidemiology. Walsh JH. **West J Med** 123(3):206–10, Sep 75 (82 ref.)

[Critical review of laboratory tests in the diagnosis of toxoplasmosis] Stadtsbaeder S, et al. **Acta Clin Belg** 30(2):83–9, 1975 **(Fre)**

[TPHA test. Comparison with classical lues reactions and the FTA–ABS test (author's transl)] Remy B, et al. **Munch Med Wochenschr** 118(2):39–42, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[Toxoplasma infection and toxoplasmosis. Possibilities and limitations of serological diagnosis (author's transl)] Schierz G, et al. **Munch Med Wochenschr** 118(26):839–42, 25 Jun 76 (Eng. Abstr.) **(Ger)**

[New methods for demonstration of antigens and antibodies (author's transl)] Krech U. **Pathol Microbiol (Basel)** 42(4):267–81, 1975 (Eng. Abstr.) **(Ger)**

[Automation of serodiagnosis] Hudemann H, et al. **Z Med Labortech** 16(1):48–54, 1975 (Eng. Abstr.) **(Ger)**

[Comparison between 2 serologic technics applied to the study of blood sucked by Triatominae] de Andrade JC, et al. **Rev Saude Publica** 9(4):539–45, Dec 75 (Eng. Abstr.) **(Por)**

[Utilization of luminescent monospecific sera against human immunoglobulins G, A and M for diagnostic purposes] Varshavskiĭ VA, et al. **Arkh Patol** 37(7):68–71, 1975 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the sensitivity of adsorption methods in serodiagnosis, the complement fixation reaction and in the indicator method] Gnutova RV, et al. **Biol Nauki** (10):137–44, 1975 **(Rus)**

[Utilization of serological methods in the retrospective diagnosis of cholera and in detecting vibrion carriers] Bunin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):98–101, Oct 75 (Eng. Abstr.) **(Rus)**

[Diagnostic methods in allergic rhinitis] Rodríguez Gómez E. **Acta Otorinolaryngol Iber Am** 24(5):79–87, Sep–Oct 73 (Eng. Abstr.) **(Spa)**

[Technological and biological principles of immunodiagnosis in hydatid echinococcosis] Moreno LS. **Rev Sanid Hig Publica (Madr)** 48(12):1075–112, Dec 74 (127 ref.) **(Spa)**

[Antithrombocyte antibodies determination by deykin's and shulman methods in 51 patients with primary or secondary thrombocytopenias (author's transl)] Zareceansky SE, et al. **Sangre (Barc)** 20(4):477–83, 1975 (Eng. Abstr.) **(Spa)**

STANDARDS

Quantitative standardization in the detection of hepatitis B

surface antigen: results of a collaborative study involving 74 laboratories. Gerlich W, et al. **J Biol Stand** 4(3):189–94, 1976

Results of the Center for Disease Control Proficiency Testing Program for the detection of hepatitis B surface antigen. Taylor RN, et al. **J Clin Microbiol** 4(1):32–9, Jul 76

Laboratoire d'Hygi'ene de la Facult'e de M'edecine de Lyon Universit'e Claude-Bernard, Domaine Rockefeller, 8, avenue Rockefeller, 69373 Lyon Cedex 2 France. Sepetjian M, et al. **Pathol Biol (Paris)** 24(6):397–400, Jun 76

VETERINARY

Diagnosis of Johne's disease in cattle: a comparison of five serological tests under field conditions. Goudswaard J, et al. **Vet Rec** 98(23):461–2, 5 Jun 76

[Portable and stationary apparatus for mass serological studies in brucellosis] Reznikov BF. **Veterinariia** (11):89–90, Nov 75 **(Rus)**

SEROLOGY

Computerization of a large antenatal serology service. Bird GW, et al. **J Clin Pathol** 29(8):711–8, Aug 76

[Institute for Blood-Group Serology at the University of Vienna] Speiser P. **Wien Med Wochenschr** 125(28):544–5, 19 Sep 75 **(Ger)**

[Biostatistic possibilities of forensic serology in the identity examination and paternity identification] Höhmann E. **ZFA (Stuttgart)** 52(20):1070–2, 20 Jul 76 **(Ger)**

HISTORY

The William Allan Memorial Award. Rosenfield RE. **Am J Hum Genet** 28(2):101–6, Mar 76

INSTRUMENTATION

Introduction to a conceptual framework in serology. Application to information processing of qualitative data with special reference to new immunogenetic theories. Hirschfeld J. **Prog Allergy** 19:275–312, 1975 (25 ref.)

The groupamatic system for routine immunohematology. Garretta M, et al. **Transfusion** 15(5):422–31, Sep–Oct 75

METHODS

A report on the council on dental health. The hepatitis B serological survey. Weil RB. **NY State Dent J** 42(3):141, Mar 76

SEROSITIS

DRUG THERAPY

[Use of a multipeptide anti-tumor complex in the treatment of primary and secondary neoplastic serositis] Zanotelli F. **G Ital Chemioter** 21(1):13–7, Jan–Jun 74 **(Ita)**

OCCURRENCE

Polyserositis and pericarditis in Melanesians with considerations on the evolution of tuberculous infection in man. Wigley SC. **Papua New Guinea Med J** 17(3):274–7, Sep 74

VETERINARY

Polyserositis in pigs due to generalized Escherichia coli infection. Nielsen NC, et al. **Can J Comp Med** 39(4):421–6, Oct 75

SEROTHERAPY

Immunity to syphilis: passive transfer in rabbits using serial doses of immune serum. Weiser RS, et al. **Infect Immun** 13(5):1402–7, May 76

Effect of ragweed hyperimmune human gamma globulin on in vivo and in vitro parameters of ragweed sensitivity. Rubinstein E, et al. **J Allergy Clin Immunol** 57(4):335–41, Apr 76

Synergistic antiviral effects of adenine arabinoside and humoral antibodies in experimental encephalitis due to Herpesvirus hominis. Cho CT, et al. **J Infect Dis** 133(2):157–67, Feb 76

Suppression of an AKR lymphoma by antibody and chlorambucil. Ghose T, et al. **J Natl Cancer Inst** 55(6):1353–7, Dec 75

Practical clinical aspects of RH-prophylaxis. Queenan JT, et al. **J Perinat Med** 1(4):223–34, 1973 (69 ref.)

Editorial: Suppression of Rh-sensitisation by the use of anti-D immunoglobulin. **J R Coll Gen Pract** 24(147):674–5, Oct 74

Studies on the potency test of antiserum for Weils disease by the intracutaneous method. Akama K, et al. **Jpn J Med Sci Biol** 28(1):1–9, Feb 75

Serotherapy of malignant disease. Wright PW, et al. **Med Clin North Am** 60(3):607–22, May 76

Dealing with possible rabies exposure. Corey L, et al. **Postgrad Med** 59(3):87–91, Mar 76

An attempt to prevent hepatitis B in a haemodialysis unit's team utilisation of specific immunoglobulins. Delons S, et al. **Proc Eur Dial Transplant Assoc** 11:237–43, 1975

Protective influence of cathepsin D antiserum in hemorrhagic shock. Jones RC Jr, et al. **Surg Forum** 26:29–31, 1975

[Renal adenocarcinoma treated with regressor plasma] Hippe E, et al. **Ugeskr Laeger** 138(28):1689–92, 5 Jul 76 (Eng. Abstr.) **(Dan)**

[Preventive and therapeutic effect convalescent zona and varicella sera in high risk children (659 cases)] Gaiffe M, et al. **Nouv Presse Med** 5(20):1285–8, 15 May 76 (Eng. Abstr.) **(Fre)**

[Letter: Hemoperfusion therapy of acute liver failure] Blume U, et al. **Dtsch Med Wochenschr** 101(14):559, Apr 76 **(Ger)**

[Hemotherapy 'made to measure', or, selective use of blood and blood components] Reissigl H. **Infusionstherapie** 1(6):425–31, Aug 74 (Eng. Abstr.) **(Ger)**

[Neuraxitis due to accidental inoculation of a massive subcutaneous dose of smallpox vaccine in a subject vaccinated and revaccinated against smallpox. Treatment and recovery with antivaccinal hyperimmune immunoglobulins and methisazone] Bertaggia A. **Minerva Pediatr** 27(29):1586–91, 22 Sep 75 (Eng. Abstr.) **(Ita)**

[Reversibility of structural changes in the chromatin of peripheral blood lymphocyte interphase nuclei in patients suffering Down's disease under influence of serum from healthy subjects] Fedorova KN. **Biull Eksp Biol Med** 82(7):878–9, Jul 76 (Eng. Abstr.) **(Rus)**

[Stimulation of humoral immunity to surface antigens of leukemia cells using interferon-containing sera] Skurkovich SV, et al. **Biull Eksp Biol Med** 81(3):358–60, Mar 76 (Eng. Abstr.) **(Rus)**

[Therapeutic effectiveness of homologous antibotulinic plasma] Piven' IN, et al. **Probl Gematol Pereliv Krovi** 20(11):46–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Changes in serum cholinesterase activity in rats exposed to carbon tetrachloride and several cytotoxic sera] Halenko TI. **Fiziol Zh** 20(5):616–20, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

[Current problems in the cytotoxin therapy of functional disorders of the sex glands] Poliak NR, et al. **Fiziol Zh** 20(5):621–7, Sep–Oct 74 **(Ukr)**

[Results of a clinical study of the effects of protesticulin in several forms of functional sexual disorders in men] Spasokukots'kyi IuO, et al. **Fiziol Zh** 20(3):293–8, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[Immunity indices under immunotherapy of surgical staphylococcal infection in children] Babii ZM, et al. **Mikrobiol Zh** 37(4):476–81, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Letter: Toxicity of intravenous Corynebacterium parvum. Ossorio RC, et al. **Lancet** 2(7944):1090–1, 29 Nov 75

METHODS

[Hemotherapy of nephrogenic anemia] Luboldt W, et al. **Verh Dtsch Ges Inn Med** 81:981–3, 1975 **(Ger)**

SEROTONIN

The interaction of dopaminergic and serotonergic drugs on plasma prolactin in ovariectomized, estrogen-treated rats. Lawson DM, et al. **Endocrinology** 98(1):42–7, Jan 76

A nuclear magnetic resonance study of the interaction of serotonin with gangliosides. Krishnan KS, et al. **FEBS Lett** 63(2):313–5, 1 Apr 76

Effect of dielectric constant on the conformational behavior of tryptamine and serotonin. Kumbar M, et al. **J Am Chem Soc** 97(26):7411–6, 24 Dec 75

Magnetic circular dichroism studies of indole, DL-tryptophan, and serotonin. Sprinkel FM, et al. **J Am Chem Soc** 97(23):6653–7, 12 Nov 75

Ultrastructure of the terminals of an identified 5-hydroxytryptamine-containing neurone marked by intracellular injection of radioactive 5-hydroxytryptamine. Pentreath VW. **J Neurocytol** 5(1):43–61, Feb 76

Skeletal muscle necrosis following membrane-active drugs plus serotonin. Meltzer HY. **J Neurol Sci** 28(1):41–56, May 76

On the mode of formation of tetrahydro-beta carbolines. Rommelspacher H, et al. **Life Sci** 18(1):81–8, 1 Jan 76

Relationship between bovine serum albumin structure and its chemical equilibria with hydrogen and 5-hydroxytryptamine ions. Petec G, et al. **Physiologie** 12(1):77–80, 1975

Double labelling of platelets with 51chromium and 14C-serotonin. Radegran K. **Thromb Res** 8(5):579–86, May 76

[Sensitization of bradycardia during final hypotension induced by serotonin in rats: effect of lidocaine] Valle LB, et al. **Arch Int Physiol Biochim** 83(4):647–57, Oct 75 (Eng. Abstr.) **(Fre)**

[Role of serotonin in involuntary movements induced with amphetamine] Cerbo R, et al. **Boll Soc Ital Biol Sper** 52(4):255–8, 28 Feb 76 **(Ita)**

[Role of serotonin in catatonia induced with haloperidol and reserpine] Cerbo R, et al. **Boll Soc Ital Biol Sper** 52(4):245–50, 28 Feb 76 **(Ita)**

[Acid dissociation of serotonin(5-hydroxytryptamine) and 5-hydroxytryptophan (author's transl)] Sakurai H, et al. **J Pharm Soc Jpn** 95(11):1384–7, Nov 75 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Effects of intracerebral injection of 5,6-hydroxytryptamine on the cerebral monoamines and the states of sleep in the cat] Froment JL, et al. **Brain Res** 67(3):405–17, 8 Mar 74 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Effect of gastro-entero-pancreatic endocrine hormones on the histogenesis of gastric cancer in rats induced by N-methyl-N'-nitro-N-nitrosoguanidine; with special reference to development of scirrhous gastric cancer. Tahara E, et al. **Gann** 66(4):421–6, Aug 75

ANALOGS & DERIVATIVES

A test of the transmethylation hypothesis in acute schizophrenic patients. Carpenter WT Jr, et al. **Am J Psychiatry** 132(10):1067–71, Oct 75

Rat brain de-acetylating activity: stereospecific inhibition by LSD and serotonin-related compounds. Paul SM, et al. **Biochem Biophys Res Commun** 70(1):207–11, 3 May 76

Biochemical studies in early infantile autism. Narasimhachari N, et al. **Biol Psychiatry** 10(4):425–32, Aug 75

Behavioral effects of 5, 7-dihydroxytryptamine lesions of ascending 5-hydroxytryptamine pathways. Hole 5, et al. **Brain Res** 107(2):385–99, 7 May 76

Actions of indolealklamines on single neurones from the brain of Heobania vermiculata. Eusebi F, et al. **Comp Biochem Physiol [C]** 54(1):27–9, 1976

Immunohistological investigation of N-acetylserotonin in the rat cerebellum after parachlorophenylalanine treatment. Bubenik GA, et al. **Experientia** 32(5):579–81, 15 May 76

Biogenesis of 5-methoxy-N,N-dimethyltryptamine in human pineal gland. Guchhait RB. **J Neurochem** 26(1):187–90, JAN 76

Preliminary investigations of the metabolism and pharmacological activity of beta-hydroxytryptamines in mammals. Plavsić V, et al. **J Pharm Pharmacol** 28(5):424–8, May 76

Behavioral evidence for supersensitivity following destruction of central serotonergic nerve terminals by 5,7-dihydroxytryptamine. Trulson ME, et al. **J Pharmacol Exp Ther** 198(1):23–32, Jul 76

Myoclonus after 5-hydroxytryptophan in rats with lesions of indoleamine neurons in the central nervous system. Stewart RM, et al. **Neurology (Minneap)** 26(7):690–2, Jul 76

Opposite effects of intraventricular serotonin and bufotenin on rat startle responses. Geyer MA, et al. **Pharmacol Biochem Behav** 3(4):687–91, Jul–Aug 75

The influence of bufotenin on the feeding behavior and cerebral serotonin content in rats. Uluitu M, et al. **Physiologie** 13(2):145–53, Apr–Jun 76 (Eng. Abstr.)

Cardiovascular toxicity of dihydroxytryptamines. Creveling CR, et al. **Res Commun Chem Pathol Pharmacol** 14(1):1–12, May 76

[Synthesis of the isomeric 3-(pyridyl)- and 3-(piperidyl)-5-hydroxyindoles (author's transl)] Friderichs E, et al. **Arch Pharm (Weinheim)** :663–75, Sep 75 (Eng. Abstr.) **(Ger)**

[Influence of mexamine on the functional state of the hypophyseal-adrenocortical system of rats in the presence of radiation] Lebedev VG, et al. **Radiobiologiia** 15(5):695–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Radioprotective activity of serotonin and its analogs in experiments on developing ova of the sea urchin Strongylocentrotus nudus] Parkhomenko IM, et al. **Radiobiologiia** 15(3):440–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Pharmacologic effects of apomorphine in rats with altered level of brain serotonin. Grabowska M, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):517–26, 1975

Central action of drugs acting on the cholinergic muscarinic receptor. IV. Influence of cholinomimetics and cholinolytics injected into the lateral cerebral ventricle in the rat on concentrations of 5-HT and 5-HIAA. Kleinrok Z, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):497–503, 1975

The influence of protease inhibitor on hydroproteolytic activity and serotonin content in the intestine of rats after fractionated irradiation. Kodmierska-Grodzka D, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):259–65, 1976

5-Hydroxytryptamine depletion in mesencephalic nuclei of rat brain following a single injection of p-chloroamphetamine. Bertilsson L, et al. **Brain Res** 91(2):348–50, 27 Jun 75

Certain biochemical correlates of intense serotonin histofluorescence in the brain stem of the neonatal monkey. Sladek JR Jr, et al. **Brain Res** 67(2):363–71, 22 Feb 74

5-HT nerve terminals in the fourth ventricle of the rat brain: their identification and distribution studied by fluorescence histochemistry and electron microscopy. Lorez HP, et al. **Cell Tissue Res** 165(1):37–48, 29 Dec 75

A reliable method for the simultaneous estimation of dopamine, noradrenaline and serotonin in discrete areas of brain. Butterworth RF, et al. **Clin Biochem** 8(5):298–302, Oct 75

Distribution of amino acids and serotonin in subcellular fractions or nervous tissue from Anodonta cygnea. Hiripi L, et al. **Comp Biochem Physiol [B]** 53(4):549–53, 1976

Influence of histamine- and 5-hydroxytryptamine-containing thyroid mast cells on thyroid blood flow and permeability in the rat. Melander A, et al. **Endocrinology** 97(5):1130–7, Nov 75

The effect of two diverse inhalation anesthetic agents on serotonin in discrete regions of the rat brain. Roizen MF, et al. **Exp Brain Res** 24(2):203–7, 22 Dec 75

Histochemical characterization of the monoamine-containing cells of the adenohypophysis in the Chinese quail. Harrisson F. **Histochemistry** 48(3):241–56, 25 Aug 76

Requirement for vasoactive amines for production of delayed-type hypersensitvity skin reactions. Gershon RK, et al. **J Exp Med** 142(3):732–47, 1 Sep 75

The determination of picogram levels of 5-HT in biological fluids. Boireau A, et al. **J Neurochem** 26(1):201–4, JAN 76

Proceedings: A possible interaction between the 24H rhythms in catecholamine and 5-hydroxytryptamine concentration in the rat brain. Hillier JG, et al. **J Pharm Pharmacol** 27 Suppl?-2:40P, Dec 75

Evaluation of the necessity for rapid inactivation of brain enzymes prior to analysis of norepinephrine dopamine and serotonin in the mouse. Weintraub ST, et al. **Life Sci** 17(9):1423–7, 1 Nov 75

Changes of brain serotonin and muricide behavior following chronic administration of theophylline in rats. Sakata T, et al. **Physiol Behav** 15(5):449–53, Oct 75

The effect of apomorphine on serotonin neurons in dorsal raphe nucleus and catecholamine nerve terminals in paraventricular hypothalamic nucleus. Histofluorescence studies. Smialowska M. **Pol J Pharmacol Pharm** 27(4):419–28, Jul–Aug 75

Effect of midbrain raphe lesion on diurnal and stress-induced changes in serotonin content of discrete regions of the limbic system and adrenal function in the rat. Lissák K, et al. **Prog Brain Res** 42:327–8, 1975

The effects of DL-p-chlorophenylalanine and DL-alpha-methyl-p-tyrosine on the brain catecholamine, serotonin and free amino acid contents in rat. Koyuncuoğlu H, et al. **Psychopharmacologia** 45(2):163–6, 31 Dec 75

The effects of chronic cannabis treatment upon brain 5-hydroxytryptamine, plasma corticosterone and aggressive behavior in female rats with different hormonal status. Neto JP, et al. **Psychopharmacologia** 42(2):195–200, 28 May 75

Audiogenic seizures in mice: influence of agents affecting brain serotonin. Alexander GJ, et al. **Res Commun Chem Pathol Pharmacol** 14(3):437–48, Jul 76

Regional distribution of 5-hydroxytryptamine in cat brain. Pasquier DA, et al. **Rev Esp Fisiol** 31(4):299–304, Dec 75

The influence of x-rays, vitamin A and protease inhibitor on the hydroproteolytic activity and serotonin content in pancreas and intestine of rats. Koćmierska-Grodzka D. **Strahlentherapie** 151(6):562–70, Jun 76

Free aminoacids and serotonin contents in cows pineal extract. El-Mallah AK, et al. **Zentralbl Veterinaermed [A]** 23(2):158–60, Mar 76

[Quantitative study of serotonin-containing cells in fetal rabbit duodenum] L'Hermite A, et al. **C R Soc Biol (Paris)** 169(4):1034–40, 1975 (Eng. Abstr.) **(Fre)**

[Pharmacological methods for the demonstration of serotonin-containing neuronal systems in the rat brain] Lachenmayer L, et al. **Verh Anat Ges** 68:349–52, 1974 (Eng. Abstr.) **(Ger)**

[On the possibility to demonstrate the presence of catecholamines in enterochromaffin cells: critical review (author's transl)] Vialli M. **Acta Histochem (Jena)** 52(1):88–99, 1975 (Eng. Abstr.) **(Ita)**

[Effect of aldosterone and ACTH administration on fluctuation of 5-HT content of the brain and pentobarbital anesthesia in adrenalectomized rats] Kobayashi M, et al. **Folia Pharmacol Jpn** 72(1):53–8, 1976 (Eng. Abstr.) **(Jpn)**

[Proceedings: Changes in the mucosal serotonin contents and the motility of the stomach and small intestine in experimentally induced gastric ulcer in rats] Takagi M. **Jpn Arch Intern Med** 11(4):219–20, Dec 75 **(Jpn)**

[Studies on the role of dopamine in uterine contractility. I. Concentration of serotonin, noradrenaline and dopamine in rat myometrium as a function of the cycle phase] Urban J, et al. **Ginekol Pol** 47(4):413–5, Apr 76 (Eng. Abstr.) **(Pol)**

[Simultaneous estimation of catecholamines and serotonin after purification on ion exchange resin] Manukhin BN, et al. **Vopr Med Khim** 21(3):317–21, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Histamine and serotonin content in the blood and skin in experimental therapy of dermatitis in rats] Kozin VM, et al. **Fiziol Zh** 22(3):390–4, MAR–APR 76 (Eng. Abstr.) **(Ukr)**

ANTAGONISTS & INHIBITORS

Stereotyped hyperactivity in rats treated with tranylcypromine and specific inhibitors of 5-HT reuptake. Holman RB, et al. **Behav Biol** 16(4):507–14, Apr 76

Serotonin inhibition and sleep. Mendelson WB, et al. **Biol Psychiatry** 10(4):459–64, Aug 75

Proceedings: Inhibition of 5-hydroxy-(3H)-tryptamine binding to rat blood platelets by 5-HT antagonists and uptake inhibitors. Drummond AH, et al. **Br J Pharmacol** 55(2):257P–258P, Oct 75

Action of LSD on raphe neurons and effect on presumed serotonergic raphe synapses. Couch JR. **Brain Res** 110(2):417–24, 9 Jul 76

5-HT antagonists in rat hippocampus. Segal M. **Brain Res** 103(1):161–6, 13 Feb 76

The influence of some sympatholytic, parasympatholytic and serotonin-synthesis-inhibiting agents on the ultrastructure of the rabbit pineal organ. Romijn HJ. **Cell Tissue Res** 167(2):167–77, 16 Mar 76

The effects of 5-hydroxytryptamine depletors and monoamine oxidase inhibitors on color changes of the fiddler crab, Uca pugilator: further evidence in support of the hypothesis that 5-hydroxytryptamine controls the release of red pigment-dispersing hormone. Fingerman M, et al. **Comp Biochem Physiol [C]** 52(1):55–9, 1 Oct 75

Inhibition of ovulation in rats by antagonists to serotonin and by a new tricyclic compound. Markó M, et al. **Experientia** 32(4):491–2, 15 Apr 76

An unexpected effect of serotonin antagonists on the canine nasal circulation. Schönbaum E, et al. **Headache** 15(3):180–7, Oct 75

Effect of metergoline, a specific serotonin antagonist, on human growth hormone response to arginine and L-dopa. Pontiroli AE, et al. **Horm Metab Res** 8(2):106–8, Mar 76

Effect of 5-hydroxytryptamine antagonist on gastric secretion in albino rats. Debnath PK, et al. **Indian J Med Res** 63(12):1688–93, Dec 75

Effect of an antiserotoninergic drug, metergoline, on the ACTH and cortisol response to insulin hypoglycemia and lysine-vasopressin in man. Cavagnini F, et al. **J Clin Endocrinol Metab** 43(2):306–12, Aug 76

Potentiation of glucagon secretion by serotonin antagonists in man. Marco J, et al. **J Clin Endocrinol Metab** 42(2):215–21, Feb 76

Modification of adrenal function by the anti-serotonin agent cyproheptadine. Plonk J, et al. **J Clin Endocrinol Metab** 42(2):291–5, Feb 76

Inhibitory effects of antihistamines and antiserotonins on the bone marrow reactions produced by Escherichia coli endotoxin in mice. Hirata M. **J Infect Dis** 132(6):611–16, Dec 75

Effects of Lilly 110140, a specific inhibitor of 5-hydroxytryptamine uptake, on food intake and on 5-hydroxytryptophan-induced anorexia. Evidence for serotoninergic inhibition of feeding. Goudie AJ, et al. **J Pharm Pharmacol** 28(4):318–20, Apr 76

Effect of antihistamine-antiserotonin and ganglionic blocking agents upon increased capillary permeability following burn trauma. Carvajal HF, et al. **J Trauma** 15(11):969–75, Nov 75

Serotonin antagonism in isolated canine cerebral arteries. Toda N, et al. **Jpn J Pharmacol** (1):57–63, Feb 76

(-)-Propranolol inhibits the behavioural responses of rats to increased 5-hydroxytryptamine in the central nervous system. Green AR, et al. **Nature** 262(5569):594–6, 12 Aug 76

Blockade of the behavioral effects of 5-HTP by the decarboxylase inhibitor Ro 4-4602. Carter RB, et al. **Pharmacol Biochem Behav** 4(4):407–9, Apr 76

Antiserotonin agents in the treatment of migraine. Prusiński A, et al. **Pol J Pharmacol Pharm** 27(Suppl):189–93, Oct 75

Antagonism of 5-hydroxykynurenamine against serotonin action on platelet aggregation. Okuma M, et al. **Proc Natl Acad Sci USA** 73(2):643–5, Feb 76

Effect of cinanserin, a serotonin antagonist on ethanol preference in the rat. Geller I, et al. **Proc West Pharmacol Soc** 18:141–5, 1975

[On the pharmacology of 9,10-dihydro-10-(1-methyl-4-piperidylidene)-9-anthrol (WA 335), a histamine and serotonin antagonist (author's transl)] Engelhardt G. **Arzneim Forsch** 25(11):1723–37, Nov 75 (214 ref.) (Eng. Abstr.) **(Ger)**

[Central action of WA-335-BS, a substance with peripheral antiserotonin and antihistaminic activity] Kähling J, et al. **Arzneim Forsch** 25(11):1737–44, Nov 75 (Eng. Abstr.) **(Ger)**

[Serotonin antagonism: therapy of headache in thyrotoxicosis] Battelli T, et al. **Clin Ter** 75(2):171–84, 31 Oct 75 **(Ita)**

[Treatment of threatened abortion in a serotonin antagonist. Clinico-statistical data] Goisis M, et al. **Minerva Ginecol** 27(9):773–8, Sep 75 **(Ita)**

[Sensitivity of Ehrlich Ascitic carcinoma cells to neuropharmacologic preparations] Markova LN, et al. **Zh Obshch Biol** 37(2):298–303, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The effect of 5-hydroxytrytamine synthesis inhibitors on neuroleptic-induced catalepsy in rats. Sarnek J, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):511–6, 1975

The effects of chlorpromazine on serum tryptophan, brain tryptophan uptake and brain serotonin synthesis in the rat. Bender DA. **Biochem Pharmacol** 25(15):1743–6, 1 Aug 76

5-Hydroxytryptamine synthesis in the rat brain after chlorpromazine administration. Bender DA. **Biochem Soc Trans** 3(5):704–6, 1975

The effect of nutritional factors on brain amino acid levels and monoamine synthesis. Fernstrom JD. **Fed Proc** 35(5):1151–6, Apr 76

Mechanism of action of 2,3-dimercaptopropanol on reduction of skin serotonin level in frogs. Suzuki T, et al. **Fukushima J Med Sci** 21(1-2):11–20, Mar 75

Brain serotonin synthesis and sexual behavior in rats. Hyyppä MT, et al. **Int J Neurol** 10(1-4):132–40, 1975

Cocaine and lithium: neurobiological antagonism in the serotonin biosynthetic system in rat brain. Knapp S, et al. **Life Sci** 18(7):679–83, 1 Apr 76

Acute effects of heroin and morphine on newly synthesized serotonin in rat brain. Pérez-Cruet J, et al. **Life Sci** 17(3):349–62, 1 Aug 75

Inhibition of firing of raphe neurones by tryptophan and 5-hydroxytryptophan: blockade by inhibiting serotonin synthesis with Ro-4-4602. Gallager DW, et al. **Neuropharmacology** 15(3):149–56, Mar 76

Effects of lithium on serotonin synthesis. Mandell AJ. **Neurosci Res Program Bull** 14(2):169–73, Apr 76

[5-Hydroxytryptamine biosynthesis in nervous tissue and myocardium of Helix pomatia. New results] Cardot J. **C R Soc Biol (Paris)** 168(10–11–12):1269–74, 1974 (Eng. Abstr.) **(Fre)**

[Role of tryptophan in the physiological regulation of brain serotonin synthesis (author's transl)] Biggio G, et al. **Riv Sci Tecn Nutr Um** 5(4):219–22, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Adenylate cyclase activity in human nasal polyps under conditions of stimulation of serotonin biosynthesis (in vitro)] Malykhina LS, et al. **Biull Eksp Biol Med** 81(4):428–30, 1976 (Eng. Abstr.) **(Rus)**

BLOOD

Tryptophan metabolism in pigs: relation to synthesis and function of serotonin. Hyldgaard-Jensen J, et al. **Acta Vet Scand** 17(2):113–30, 1976

Identification of N5,N10-methylene tetrahydrofolate reductase as the enzyme involved in the 5-methyl tetrahydrofolate-dependent formation of a beta-carboline derivative of 5-hydroxytryptamine in human platelets. Stebbins RD, et al. **Arch Biochem Biophys** 173(2):673–9, Apr 76

Depressed 5-hydroxyindole levels associated with hyperactive and aggressive behavior. Relationship to drug response. Greenberg AS, et al. **Arch Gen Psychiatry** 33(3):331–6, Mar 76

Specific binding sites for 5-hydroxytryptamine on rat blood platelets. Drummond AH, et al. **Biochem J** 150(1):129–32, Jul 75

Thrombin-induced oxygen consumption, malonyldialdehyde formation and serotonin secretion in human platelets. Fukami MH, et al. **Biochim Biophys Acta** 428(1):253–6, 25 Mar 76

Metabolic aspects of the secretion of stored compounds from blood platelets. IV. Effects of ionophore X537A on washed platelets. Mürer EH, et al. **Biochim Biophys Acta** 428(2):369–78, 23 Apr 76

Comparison of the effects of maprotiline (ludiomil) and clomipramine (anafranil) on serotonin uptake and tryptophan-binding in plasma. Greengrass PM, et al. **Biol Psychiatry** 11(1):91–100, Feb 76

Decreased nucleotide and serotonin storage associated with defective function in Chediak-Higashi syndrome cattle and human platelets. Bell TG, et al. **Blood** 48(2):175–84, Aug 76

The effect of aspirin on 5-hydroxytryptamine uptake and release by human platelets. Rendu F. **Br J Pharmacol** 57(1):149–51, May 76

Letter: Interference with serotonin determination. Duboff GS. **Clin Chem** 22(5):694, May 76

Levels of serotonin bound to platelets and free in plasma in jugular and forearm venous blood as determined by a fluorescent-OPT (orthophthalaldehyde) assay. Somerville B, et al. **Clin Chim Acta** 65(3):399–402, 15 Dec 75

Psychotropic drugs and gender as modifiers of the role of plasma tryptophan and serotonin in schizophrenia. Lovett Doust JW, et al. **Compr Psychiatry** 16(4):349–55, Jul–Aug 75

Changes in blood serotonin during hemodialysis. Mydlík M, et al. **Curr Probl Clin Biochem** 4:240–2, 1975

Effects of chlorprothixene isomers on platelet 5-hydroxytryptamine receptors: evidence for different 5-hydroxytryptamine conformations at uptake and stimulatory sites. Drummond AH, et al. **Eur J Pharmacol** 37(2):385–8, Jun 76

Serum 5-hydroxytryptamine level in manic-depressive illness. Kaneko M, et al. **Fukushima J Med Sci** 21(1-2):1–9, Mar 75

Serotonin uptake and glycolytic activity of human platelets after prolonged incubation with glucose-poor plasma. Hardeman MR, et al. **Haemostasis** 4(2):81–93, 1975

Therapeutic effect of reserpine on migraine syndrome: relationship to blood amine levels. Fog-Moller F, et al. **Headache** 15(4):275–8, Jan 76

Serotonin (5HT) in migraine: levels in whole blood in and between attacks. Rydzewski W. **Headache** 16(1):16–9, Mar 76

Migraine, tyramine and blood serotonin. Ziegler DK, et al. **Headache** 16(2):53–7, May 76

Circadian variation of serotonin levels in human blood. Sauerbier I, et al. **Horm Metab Res** 8(2):157–8, Mar 76

Measurement of prostaglandins E 1, E 2 and Falpha, histamine and serotonin, upstream and downstream the lung during pulmonary vasopressor response to hypoxia in man. Effects of prostaglandin synthesis inhibitors. pp. 365–85. Even P, et al. **In: Junod AF, de Haller R, ed. Lung metabolism. New York, Academic Press, 1975. W3 DA 266 1974L.** (93 ref.)

Relationship of catecholamines, histamine and serotonin in men under different kinds of stress. p. 527. Veisfeld IL, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

Blood serotonin in schizophrenic children. A preliminary study. Campbell M, et al. **Int Pharmacopsychiatry**

10(4):213–21, 1975

Serotonin in the portal vein after acidification. Koren E, et al. **Int Surg** 61(6–7):370–7, Jun–Jul 76

Uptake and efflux of serotonin from platelets of autistic and nonautistic children. Yuwiler A, et al. **J Autism Child Schizo** 5(2):83–98, Jun 75

Pneumococcus–induced serotonin release from human platelets. Identification of the participating plasma/serum factor as immunoglobulin. Zimmerman TS, et al. **J Clin Invest** 56(4):828–34, Oct 75

An improved method for the extraction of endogenous platelet serotonin. Rao GH, et al. **J Lab Clin Med** 87(1):129–37, Jan 76

Interference by mepacrine with the storage of 5–hydroxytryptamine in blood platelets. Picotti GB, et al. **J Pharm Pharmacol** 27(12):967–9, Dec 75

A simple superfusion technique for studying release of radiolabelled 5–hydroxytryptamine from blood platelets without interference of reuptake. Stoof JC, et al. **J Pharm Pharmacol** 28(4):323–4, Apr 76

Decreased blood level of 5–dehydroxytryptamine by inhibitors of the membranal 5–hydroxytryptamine uptake. Ross SB, et al. **Life Sci** 19(2):205–10, 15 Jul 76

Decreased uptake of 5–hydroxytryptamine in blood platelets from depressed patients. Tuomisto J, et al. **Nature** 262(5569):596–8, 12 Aug 76

Platelet–bound and free serotonin levels in jugular and forearm venous blood during migraine. Somerville BW. **Neurology (Minneap)** 26(1):41–5, Jan 76

Antiphlogistic action of phenylbutazone in normal and adrenalectomized rats of different ages relation to the 5–hydroxytryptamine blood concentration. Kohút A, et al. **Physiol Bohemoslov** 24(4):369–75, 1975

5–Hydroxytryptamine (5–HT) in the whole–blood of patients with depressive illness. Coppen A, et al. **Postgrad Med J** 52(605):156–8, Mar 76

Platelet uptake of 5–hydroxytryptamine and dopamine in depression. Hallstrom CO, et al. **Postgrad Med J** 52(3 suppl):40–6, 1976

The effects of protriptyline and clomipramine in vitro on the uptake of 5–hydroxytryptamine and dopamine in human platelet–rich plasma. Trenchard A, et al. **Psychopharmacologia** 43(1):89–93, 23 Jul 75

Effect of acute hypoxia on blood serotonin in human beings and rats. Radha TG, et al. **Respiration** 33(1):64–9, 1976

Serotonin uptake by various human blood platelet populations. Kamoun P, et al. **Scand J Haematol** 16(4):266–70, Apr 76

5–Hydroxytryptamine extraction by the lung. Cronau LH, et al. **Surg Gynecol Obstet** 143(1):51–5, Jul 76

Proceedings: Platelet secretion induced by calcium ionophores: effect of anti–inflammatory drugs. Mürer EH, et al. **Thromb Diath Haemorrh** 34(2):554, 15 Nov 75

[Plasma transport of 5–hydroxytryptamine–3H. II. Identification of the carrier protein of 5–hydroxyindoleacetic acid] Ollivier Y, et al. **C R Soc Biol (Paris)** 169(2):413–6, 1975 (Eng. Abstr.) **(Fre)**

[Plasma transport of 5–hydroxytryptamine–3H. I. Nature and classification of indole derivatives after injection of 5–hydroxytryptamine–3H] Ollivier Y, et al. **C R Soc Biol (Paris)** 169(2):408–12, 1975 (Eng. Abstr.) **(Fre)**

[Letter: Questions on acupuncture. Münch. med. Wschr. 117 (1975) 1861] Zenneck HU. **Munch Med Wochenschr** 118(17):550–1, 23 Apr 76 **(Ger)**

[Circadian variations of blood serotonin levels in normal subjects] Fogari R, et al. **Folia Endocrinol (Roma)** 27(5):463–9, Oct 74 (Eng. Abstr.) **(Ita)**

[The action of reserpine on the concentration of 5–hydroxytryptamine, epinephrine and norepinephrine in the venous blood of migraine patients] Genefke IK, et al. **Minerva Med** 67(28):1876–82, 2 Jun 76 (Eng. Abstr.) **(Ita)**

[Rare case of hyperserotoninemia] Jonderko G, et al. **Wiad Lek** 28(18):1567–70, 15 Sep 75 (Eng. Abstr.) **(Pol)**

[Endogenous catecholamines and indolalkylamines in attacks of bronchial asthma and decompensated hepatic cirrhosis] Mihai C, et al. **Rev Med Intern [Med Intern]** 28(2):131–8, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

[The role of serotonin in the preparatory period for labor] Kurysheva KA, et al. **Akush Ginekol (Mosk)** (11):21–23, Nov 75 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the serotonin and histamine content in the blood of surgical patients before and after antibiotic administration against a background of droperidol, promedol and atropine premedication] Marshak AM, et al. **Antibiotiki** 21(7):647–50, Jul 76 (Eng. Abstr.) **(Rus)**

[Catecholamines and other vasoactive substances in blood in cardiogenic shock] Gratsianskiĭ NA, et al. **Kardiologiia** 16(1):32–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Clinical importance of determination of blood serotonin level during surgical treatment of cholecystitis] Agaev BA, et al. **Klin Khir** (10):7–10, Oct 75 (Eng. Abstr.) **(Rus)**

[Blood serotonin during gammalon treatment of patients with acute cerebrovascular disorders] Melanich NN, et al. **Klin Med (Mosk)** 52(3):101–4, Mar 74 (Eng. Abstr.) **(Rus)**

[Method of determination of bound and free serotonin in different biological media] Pliushkis Iu, et al. **Lab Delo** (2):84–8, 1976 **(Rus)**

[Localization of serotonin in human thrombocytes] Vashkinel' VK, et al. **Probl Gematol Pereliv Krovi** 20(10):42–5, Oct 75 **(Rus)**

[External respiration and blood histamine and serotonin levels in chronic pneumonia in the exacerbation phase] Efendieva LT, et al. **Ter Arkh** 47(3):60–3, 1975 **(Rus)**

[Study of some biologically active substance in patients with meningococcal infections] Pokrovskiĭ VI, et al. **Vestn Akad Med Nauk SSSR** (12):21–5, 1975 **(Rus)**

[Catecholamines, cholinergic and serotoninergic complexes as criteria of prognosis in acute cranio–cerebral trauma] Kirillov AL, et al. **Vestn Khir** 114(9):80–2, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of general hormone therapy on the blood serotonin content in patients with vasomotor rhinitis] Tsyrul'nikova LG, et al. **Vestn Otorinolaringol** (5):58–62, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

[Tryptophan and 5–hydroxytryptamine (serotonin) content of the blood of patients with diabetes mellitus] Bondar PN, et al. **Vrach Delo** (3):49–51, Mar 74 (Eng. Abstr.) **(Rus)**

[Serotonin metabolism in several hereditary extrapyramidal diseases] Markova ED, et al. **Zh Nevropatol Psikhiatr** 75(6):830–3, 1975 (Eng. Abstr.) **(Rus)**

[Differences found in serum serotonin between a group of normal and subjects of obese patients following intravenous tolbutamide administration] Castel Aznar C, et al. **Rev Iber Endocrinol** 23(135):239–61, May–Jun 76 (Eng. Abstr.) **(Spa)**

[The mechanism of the central action of lithium] Synyts'kyĭ VM, et al. **Fiziol Zh** 21(4):446–53, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

[Levels of indolamines (serotonin, melatonin) and the excretion of 5–indolacetic acid in the urine of healthy children] Dadambaev ET. **Pediatr Akush Ginekol** (5):7–8, 1975 **(Ukr)**

CEREBROSPINAL FLUID

Experimental ethanol ingestion: sleep variables and metabolites of dopamine and serotonin in the cerebrospinal fluid. Zarcone V, et al. **Adv Exp Med Biol** 59:431–51, 1975

DEFICIENCY

Serotonin deficiency and prolonged bleeding in beige mice. Holland JM. **Proc Soc Exp Biol Med** 151(1):32–9, Jan 76

Hyperphagia and obesity following serotonin depletion by intraventricular p–chlorophenylalanine. Breisch ST, et al. **Science** 192(4237):382–5, 23 Apr 76

DIAGNOSTIC USE

[Proceedings: Hirschman's test in thrombopenic purpura] Hourdillé P, et al. **Arch Fr Pediatr** 32(6):587–8, Jun–Jul 75 **(Fre)**

METABOLISM

Proceedings: The effect of LS 519 CL2 on the level and uptake of serotonin by thrombocytes. Spánková H, et al. **Act Nerv Super (Praha)** 17(4):264–5, 1975

Effect of ketamine anaesthesia on the content of monoamines and their metabolites in the rat brain. Ylitalo P, et al. **Acta Anaesthesiol Scand** 20(3):216–220, 1976

Uptake and metabolism of serotonin by rat adrenal tissue in vitro. Trost BN, et al. **Acta Endocrinol (Kbh)** 82(2):353–65, Jun 76

The serotonin retaining effect of lithium in the rat thyroid. Veijlsted H, et al. **Acta Endocrinol (Kbh)** 82(3):530–4, Jul 76

(Z)–dimethylamino–1–(4–bromophenyl)–1–(3–pyridyl) propene (h 102/09), a new selective inhibitor of the neuronal 5–hydroxytryptamine uptake. Ross SB, et al. **Acta Pharmacol Toxicol (Kbh)** 39(2):152–66, Aug 76

Vagal influence on serotonin concentration in enterochromaffin cells in the cat. Ahlman H, et al. **Acta Physiol Scand** 97(3):362–8, Jul 76

Inhibition of reserpine, guanethidine and imiparmine of the uptake of 5–hydroxytryptamine by rat peritoneal mast cells in vitro. Gripenberg J. **Acta Physiol Scand** 96(3):407–16, Mar 76

Neurotoxicity of hydroxylated tryptamines: structure–activity relationships. I. Long–term effects on monoamine content and fluorescence morphology of central monoamine neurons. Baumgarten HG, et al. **Acta Physiol Scand [Suppl]** (429):5–27, 1975

Neurotoxicity of hydroxylated tryptamines: structure–activity relationships. 2. In vitro studies on monoamine uptake inhibition and uptake impairment. Björklund A, et al. **Acta Physiol Scand [Suppl]** (429):29–60, 1975

Determination of monoamine and monoamine metabolites in the human brain: post mortem studies in a group of suicides and in a control group. Beskow J, et al. **Acta Psychiatr Scand** 53(1):7–20, Jan 76

Serotonin metabolism in children with kwashiorkor. Teotia M, et al. **Am J Clin Nutr** 28(11):1284–8, Nov 75

Brain indole and catecholamines of turkeys during exposure to temperature stress. El Halawani ME, et al. **Am J Physiol** 230(1):110–5, Jan 76

Fibrin–induced release of platelet serotonin. Orloff KG, et al. **Am J Physiol** 231(2):344–50, Aug 76

Effects of sleep deprivation on mood and central amine metabolism in depressed patients. Post RM, et al. **Arch Gen Psychiatry** 33(5):627–32, May 76

Influence of benzodiazepines on turnover of serotonin in cerebral structures in normal and aggressive rats. Antkiewicz–Michaluk L, et al. **Arch Immunol Ther Exp (Warsz)** 23(6):763–7, 1975

Influence of NBTI on metabolism of brain–HT. Grabowska M, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):505–9, 1975

Influence of WA–335, a factor which blocks serotonin receptors, on neuroleptic–induced catalepsy. Maj J, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):197–203, 1976

5–Hydroxytryptamine–14C and dexamphetamine–14C uptake by fundal sarcolemma preparations: effect of thermal and chemical alterations as indirect approach to the problem of the common receptor. Angelis L, et al. **Arch Int Pharmacodyn Ther** 216(1):51–6, Jul 75

In vivo pulmonary metabolism of bradykinin, angiotensin I and 5–hydroxytryptamine in the rat. Freer RJ, et al. **Arch Int Pharmacodyn Ther** 217(1):97–109, Sep 75

Drugs and PGO waves in the lateral geniculate body of the curarized cat. II. PGO wave activity and brain 5–hydroxytryptamine. Ruch–Monachon MA, et al. **Arch Int Pharmacodyn Ther** 219(2):269–86, Feb 76

The effect of ergotamine and methysergide on serotonin metabolism in the rat brain. Sofia RD, et al. **Arch Int Pharmacodyn Ther** 216(1):40–50, Jul 75

Serotonin metabolism is pellagra. Raghuram TC, et al. **Arch Neurol** 32(10):708–10, Oct 75

Fenfluramine and 5–hydroxytryptamine. Part 2: Involvement of brain 5–hydroxytryptamine in the anorectic activity of fenfluramine. Duhault J, et al. **Arzneim Forsch** 25(11):1758–62, Nov 75

Fenfluramine and 5–hydroxytryptamine?. Part 1: Is fenfluramine or norfenfluramine involved in the decrease of brain 5–hydroxytryptamine Duhault J, et al. **Arzneim Forsch** 25(11):1755–8, Nov 75

Effects of altering monoamine metabolism on the adrenocortical response to hypoxia. Marotta SF, et al. **Aviat Space Environ Med** 46(11):1368–72, Nov 75

Comparison of the inhibition of 5–hydroxytryptamine uptake by methadone and its congeners in human platelets. Brase DA, et al. **Biochem Pharmacol** 25(14):1684–6, 15 Jul 76

Relationship of brain monoamine and locomotor activity in rats. Foldes A, et al. **Biochem Pharmacol** 24(17):1617–21, 1 Sep 75

Effects of trazodone on serotonin in the brain and platelets of the rat. Garattini S, et al. **Biochem Pharmacol** 25(1):13–6, Jan 76

Effects of the d– and l–isomers of amphetamine on uptake, release and catabolism of norepinephrine, dopamine and 5–hydroxytryptamine in several regions of rat brain. Holmes JC, et al. **Biochem Pharmacol** 25(4):447–51, 15 Feb 76

Effects of serotonin uptake inhibitor, Lilly 110140, on transport of serotonin in rat and human blood platelets. Horng JS, et al. **Biochem Pharmacol** 25(7):865–7, 1 Apr 76

Effect of acute and chronic iprindole on serotonin turnover in mouse brain. Sanghvi I, et al. **Biochem Pharmacol** 24(22):2103–4, 15 Nov 75

Serotonin metabolism in normal and abnormal infants during the perinatal period. Tu JB, et al. **Biol Neonate** 29(3–4):187–93, 1976

Regional serotonin levels in brain: a comparison of depressive suicides and alcoholic suicides with controls. Cochran E, et al. **Biol Psychiatry** 11(3):283–94, Jun 76

Proceedings: Effect of LSD on rat brain 5–hydroxy–tryptamine metabolism at elevated environmental temperature. Curzon G, et al. **Br J Pharmacol** 56(3):368P–369P, Mar 76

Uptake of 5–hydroxytryptamine in different parts of the brain of the rabbit after intraventricular injection. Dow RC, et al. **Br J Pharmacol** 56(4):443–7, Apr 76

Uptake of 5–hydroxytryptamine by rat blood platelets and its inhibition by adenosine 5'–diphosphate. Drummond AH, et al. **Br J Pharmacol** 56(4):417–21, Apr 76

Electroconvulsive shock increases the behavioural responses of rats to brain 5–hydroxytryptamine accumulation and central nervous system stimulant drugs. Evans JP, et al. **Br J Pharmacol** 56(2):193–9, Feb 76

Proceedings: The selective inhibition of 5–hydroxy–tryptamine re–uptake by Org 6582. Goodlet I, et al. **Br J Pharmacol** 56(3):367P–368P, Mar 76

Effects of monoamine oxidase inhibition by clorgyline, deprenil or tranylcypromine on 5–hydroxytryptamine concentrations in rat brain and hyperactivity following subsequent tryptophan administration. Green AR, et al. **Br J Pharmacol** 55(3):415–22, Nov 75

Editorial: Neuropharmacological aspects of migraine. **Br Med J** 3(5979):339, 9 Aug 75

Quantitative data on serotonin nerve terminals in adult rat neocortex. Beaudet A, et al. **Brain Res** 111(2):301–9, 30 Jul 76

Stereospecific binding of D–lysergic acid diethylamide (LSD) to brain membranes: relationship to serotonin receptors. Bennett JP Jr, et al. **Brain Res** 94(3):523–44, 5 Sep 75

Comparison of regional serotonin levels and turnover in the brain of naturally high and low aggressive rats. Daruna JH, et al. **Brain Res** 101(3):489–501, 23 Jan 76

Serotonin nerve terminals in adult rat neocortex. Descarries L, et al. **Brain Res** 100(3):563–88, 26 Dec 75

Axonal transport in serotonin neurons of the midbrain raphe. Halaris AE, et al. **Brain Res** 107(3):555–74, 14 May 76

The effect of acute raphe lesion on serotonin synthesis and metabolism in the rat forebrain and hippocampus. Herr BE, et al. **Brain Res** 110(1):189–93, 25 Jun 76

Regional distribution of monoamine oxidase activity for 5–hydroxytryptamine and tyramine in hypothalamus of the

rat. Hirano M, et al. **Brain Res** 93(3):558–63, 15 Aug 75

Behavioral effects of 5, 7-dihydroxytryptamine lesions of ascending 5-hydroxytryptamine pathways. Hole 5, et al. **Brain Res** 107(2):385–99, 7 May 76

Monoamine metabolism in the developing rat brain and effects of ionizing radiation. Hudson DB, et al. **Brain Res** 114(3):471–9, 24 Sep 76

Brain stem and spinal cord mediation of a serotonergic behavioral syndrome. Jacobs BL, et al. **Brain Res** 100(2):450–7, 19 Dec 75

Disappearance of supra-ependymal 5-HT axons in the rat forebrain after electrolytic and 5,6-DHT-induced lesions of the medial forebrain bundle. Lorez HP, et al. **Brain Res** 100(1):1–12, 12 Dec 75

Comparison of the effects of lesion in the 'B9' cell body group and p-chloroamphetamine on tryptophan hydroxylase and 5-hydroxytryptamine in rat brain nuclei. Meek JL, et al. **Brain Res** 100(1):140–4, 12 Dec 75

Development of the influences of sodium, catecholamine and tricyclic antidepressent drug on the uptake of [3H]5-hydroxytryptamine by rat brain synaptosomes. Nomura Y, et al. **Brain Res** 100(3):705–9, 26 Dec 75

Regional changes in monoamine content and uptake of the rat brain during postnatal development. Nomura Y, et al. **Brain Res** 101(2):305–15, 16 Jan 76

Depletion of brain serotonin following intraventricular 5,7-dihydroxytryptamine fails to disrupt sleep in the rat. Ross CA, et al. **Brain Res** 114(3):517–23, 24 Sep 76

Electrically induced release of (3H)5-hydroxytryptamine from neocortical slices in vitro: influence of calcium but not of lithium ions. Saldate C, et al. **Brain Res** 99(1):184–8, 28 Nov 75

Inhibition of both noradrenergic and serotonergic neurons in brain by the alpha-adrenergic agonist clonidine. Svensson TH, et al. **Brain Res** 92(2):291–306, 11 Jul 75

[Perturbations of the levels of hypophyseal serotonin induced by oral administration of a single dose of 7, 12-dimethyl 1-2 benz(a)anthracene in rats] Guerinot F, et al. **C R Acad Sci [D] (Paris)** 281(2-3):211–4, 21 Jul 75 (Eng. Abstr.)

An electron microscopic radioautographic study of the uptake of tritiated serotonin by nerve fibres in the posterior salivary duct and gland of cephalopods. Ducros C. **Cell Tissue Res** 161(3):351–71, 25 Aug 75

Autoradiographic localization of 3H-5-HTP and 3H-5-HT in the pineal organ and circumventricular areas in the rainbow trout, Salmo gairdneri Richardson. Hafeez MA, et al. **Cell Tissue Res** 170(1):61–76, 20 Jul 76

The effect of lowering the serotonin content of the rat brain on spontaneous locomotor activity. Watanabe HY, et al. **Chem Pharm Bull (Tokyo)** 23(6):1192–6, Jun 75

5-Hydroxytryptamine receptors of platelets. Born GV, et al. **Ciba Found Symp** 35:287–307, 1975 (38 ref.)

Interactions between 5-hydroxytryptamine and platelet lipid fractions. Marcus AJ, et al. **Ciba Found Symp** 35:309–26, 1975

The organelles storing 5-hydroxytryptamine in blood platelets. Pletscher A, et al. **Ciba Found Symp** 35:261–86, 1975 (31 ref.)

Serotonin levels in vascular tissue and the effects of a serotonin synthesis inhibitor on blood pressure in hypertensive rats. Jarrott B, et al. **Clin Exp Pharmacol Physiol** Suppl 2:201–5, 1975

Axonal transport of vesicles carrying (3H)serotonin in the metacerebral neuron of Aplysia californica. Schwartz JH, et al. **Cold Spring Harbor Symp Quant Biol** 40:83–92, 1975

Comparison of free tryptophan, bound tryptophan and tyrosine in plasma, and tryptophan, 5-hydroxytryptophan, serotonin, 5-hydroxyindoleacetic acid, tyrosine, dopamine and norepinephrine in brain parts of rat and pigeon. Lane JD, et al. **Comp Biochem Physiol [B]** 53(4):469–72, 1976

Circadian rhythm in the brain serotonin concentrations of the lizard, Anolis carolinensis. Doshi EC, et al. **Comp Biochem Physiol [C]** 51(2):227–9, 1 Aug 75

Circadian rhythms of brain 5-hydroxytryptamine and swimming activity in the teleost, Fundulus grandis. Fingerman SW. **Comp Biochem Physiol [C]** 54(1):49–53, 1976

The effect of constant light from birth on the appearance of a diurnal rhythm in serotonin content in the rat epiphysis. Illnerová H. **Dev Biol** 46(2):418–21, Oct 75

Proceedings: Brain monoamine metabolism and sleep. Toru M. **Electroencephalogr Clin Neurophysiol** 39(5):542, Nov 75

Participation of serotonin in the phasic release of LH. I. Evidence from pharmacological experiments. Héry M, et al. **Endocrinology** 99(2):496–503, Aug 76

Differential changes in the 5-hydroxytryptamine and insulin content of guinea-pig B-cells. Lundquist I, et al. **Endocrinology** 97(4):937–47, Oct 75

Effect of suckling on plasma prolactin and hypothalamic monoamine levels in the rat. Mena F, et al. **Endocrinology** 99(2):445–51, Aug 76

Hypothalamic and suprachiasmatic uptake of serotonin in vitro: twenty-four-hour changes in male and proestrous female rats. Meyer DC, et al. **Endocrinology** 98(5):1160–5, May 76

The fate of serotonin released from the intrathyroidal mast cells in albino rat. Baráth P. **Endokrinologie** 67(1):111–4, Mar 67

Fenfluramine: long-term reduction in brain serotonin (5-hydroxytryptamine). Clineschmidt BV, et al. **Eur J Pharmacol** 35(1):211–4, Jan 76

Reversible and irreversible phases of serotonin depletion by 4-chloroamphetamine. Fuller RW, et al. **Eur J Pharmacol** 33(1):119–24, Aug 75

Comparative action of fenfluramine on the uptake and release of serotonin and dopamine. Kannengiesser MH, et al. **Eur J Pharmacol** 35(1):35–43, Jan 76

Accumulation of 5-HT in non-terminal axons after p-chloro-N-methylamphetamine without degeneration of identified 5-HT nerve terminals. Lorez H, et al. **Eur J Pharmacol** 38(1):79–88, Jul 76

Synaptosomal uptake and levels of serotonin in rat brain areas after p-chloroamphetamine or B-9 lesions. Massari VJ, et al. **Eur J Pharmacol** 33(2):419–22, Sep-Oct 75

Effects of acute and chronic methadone treatment of the uptake of 3H-5-hydroxytryptamine in rat hypothalamus slices. Moffat JA, et al. **Eur J Pharmacol** 36(2):289–97, Apr 76

The effect of yohimbine on the turnover of brain catecholamines and serotonin. Papeschi R, et al. **Eur J Pharmacol** 33(1):1–12, Aug 75

Behavioral evidence for the rapid release of CNS serotonin by PCA and fenfluramine. Trulson ME, et al. **Eur J Pharmacol** 36(1):149–54, Mar 76

Drug antagonism and reversibility of the binding of indoleamines in brain. Ungar F, et al. **Eur J Pharmacol** 36(1):115–25, Mar 76

Studies relating morphine hypothermia with serotonin reuptake in the rat hypothalamus. Warwick RO, et al. **Eur J Pharmacol** 38(2):329–35, Aug 76

The avian pineal organ. Distribution of exogenous indoleamines: a qualitative study of the rudimentary photoreceptor cells by electron microscopic radioautography. Collin JP, et al. **Exp Brain Res** 25(1):15–33, 10 May 76

5-Hydroxytryptamine: autoradiographic evidence for uptake into fibroblast cell nuclei. Korneliussen H. **Experientia** 32(4):443–5, 15 Apr 76

Effect of castration on the rat pineal gland: a fluorescence histochemical and biochemical study. Pevet P, et al. **Experientia** 31(10):1237–9, 15 Oct 75

Pathogenesis of vascular headache of the migrainous type: the role of impaired central inhibition. Appenzeller O. **Headache** 15(3):177–9, Oct 75

Effects of exogenous monoamines and their precursors on the monoamine neurons of the central nervous system in rat. Inagawa T. **Hiroshima J Med Sci** 23(4):191–209, Dec 74

Experimental obstructive jaundice and change of gastroduodenal serotonin content in the rat. Kato Y, et al. **Hiroshima J Med Sci** 24(4):205–11, Dec 75

The use of 3H serotonin release from mast cells of the mouse as an assay for mediator liberation. Otsuki JA, et al. **Immunol Commun** 5(1-2):27–39, 1976

rho-Chloroamphetamine: studies on the biochemical mechanism of its action on cerebral serotonin. pp. 607–13. Sanders-Bush E, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

The control of brain serotonin concentration by the diet. pp. 513–26. Fernstrom JD.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Purification of serotonin-and LSD-binding proteins from synaptic membranes. pp. 593–5. Mehl E, et al.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.

Biochemistry of serotonin and synaptic membranes in neurotransmission. pp. 565–91. Wesemann W.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. (76 ref.)

Changes in brainstem monoamine turnover after surgical and chemical denervations of the olfactory system. pp. 285–90. Nakamura K, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.

Bulbospinal noradrenaline and 5-hydroxytryptamine neuron systems following intra-cisternal 6-hydroxydopamine: number of cell bodies and axons, nerve terminal densities, 3H-transmitter uptake, and hindlimb reflexes. pp. 247–52. Olson L, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.

Sexual behaviour after neonatal reserpine and pCPA treatment with comment about hypothalamic indole amines in the rat. pp. 305–13. Lehtinen P, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Some remarks concerning the possible role of brain monoamines (dopamine, noradrenaline, serotonin) in mental disorders. pp. 249–53. Hornykiewicz O.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

The effect of immobilisation on the activity of serotonin N-acetyltransferase in the rat epiphysis. pp. 129–36. Illnerová H.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

A protective role of nerve endings in the stress-stimulated increase in pineal N-acetyltransferase activity. pp. 119–28. Klein DC, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Effect of stress on serotonin and tryptophan hydroxylase activity of brain nuclei. pp. 51–9. Palkovits M, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Changes induced by stress in the activity of the serotoninergic system in limbic brain structures. pp. 145–56. Telegdy G, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Effect of acute stress on norepinephrine and 5-hydroxytryptamine in rats. pp. 469–74. Weil-Fugazza J, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

An integrated theory of the aetiology of schizophrenia. Impairment of the balance between certain, in series connected dopaminergic, serotonergic, and noradrenergic pathways within the brain. pp. 58–80. Cools AR.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974-75. (76 ref.)

Effect of diphenylhydantoin and lithium on whole brain serotonin, sodium and potassium in mice. Umberkoman B, et al. **Indian J Physiol Pharmacol** 19(2):94–7, Apr-Jun 75

A study of the biological effects of certain ELF electromagnetic fields. Krueger AP, et al. **Int J Biometeorol** 19(3):194–201, Nov 75

Withdrawal of the paradoxal sleep by the clomipramine, electrophysiological, histochemical and biochemical study. Passouant P, et al. **Int J Neurol** 10(1-4):186–97, 1975

Proceedings: Effect of serotonin and related compounds on some of the human erythrocyte enzymes. Kirshtein R, et al. **Isr J Med Sci** 11(11):1223, Nov 75

Axonal transport of [3H]serotonin in an identified neuron of Aplysia californica. Goldman JE, et al. **J Cell Biol** 70(2 pt 1):304–18, Aug 76

Hippocampal innervation by serotonin neurons of the midbrain raphe in the rat. Moore RY, et al. **J Comp Neurol** 164(2):171–83, 15 Nov 75

Lidocaine's influence on brain amines in mice. Ciarlone AE, et al. **J Dent Res** 55(3):465–9, May-Jun 76

Effects of p-chlorophenylalanine on pineal serotonin and 131I uptake by the thyroid glands of rats. De Prospo N, et al. **J Endocrinol** 66(2):295–6, Aug 75

Proceedings: Biochemical changes in the brain of rats exposed to microwaves of low power density. Catravas GN, et al. **J Microwave Power** 11(2):147–8, Jun 76

Studies on serotonin binding proteins of nerve ending membranes. Dette GA, et al. **J Neural Transm** 37(4):281–95, 1975

Failure of decreased serotonin uptake or monoamine oxidase inhibition to block the acceleration in brain 5-hydroxyindole synthesis that follows food consumption. Jacoby JH, et al. **J Neural Transm** 37(1):25–32, 1975

Serotonin uptake and release by biochemically characterized nerve endings isolated from rat brain by concomitant flotation and sedimentation centrifugation. Lathia D, et al. **J Neural Transm** 37(2):111–26, 1975

Effect of the norepinephrine receptor stimulating agent 'clonidine' on the turnover of 5-hydroxytryptamine in some areas of the rat brain. Rochette L, et al. **J Neural Transm** 37(4):259–67, 1975

Effect of gonadotropic hormones on the rat pineal gland A fluorescence histochemical and biochemical study. Smith AR, et al. **J Neural Transm** 36(3-4):217–26, 1975

Lack of effect of increased pineal serotonin content on H3-tryptophan uptake. Wurtman RJ, et al. **J Neural Transm** 36(3-4):177–81, 1975

Pineal serotonin N-acetyltransferase activity: protection of stimulated activity by acetyl-CoA and related compounds. Binkley S, et al. **J Neurochem** 26(1):51–5, JAN 76

Effects of dopaminergic agonists and electrical stimulation of the midbrain raphe on the release of 5-hydroxytryptamine from the cat brain in vivo. Chiueh CC, et al. **J Neurochem** 26(2):319–24, Feb 76

Effects of ingestion of a carbohydrate-fat meal on the levels and synthesis of 5-hydroxyindoles in various regions of the rat central nervous system. Colmenares JL, et al. **J Neurochem** 25(6):825–9, Dec 75

The binding of 5-hydroxytryptamine to butanol extracts of rat brain stem. Godwin SF, et al. **J Neurochem** 25(3):283–8, Sep 75

Response of rat brain indoles and motor activity to short light-dark cycles. Hanselmann G, et al. **J Neurochem** 26(5):951–5, May 76

The uptake of biogenic monoamines by the isolated auricle of the snail (Helix pomatia). Hiripi L, et al. **J Neurochem** 26(2):335–43, Feb 76

Regulation of the diurnal rhythm in rat pineal serotonin-N-acetyltransferase activity and serotonin content during ontogenesis. Illnerová H, et al. **J Neurochem** 26(5):1051–2, May 76

Octopamine probably coexists with noradrenaline and serotonin vesicles of pineal adrenergic nerves. Jaim-Etcheverry G, et al. **J Neurochem** 25(6):915–7, Dec 75

Concentrations of NE and 5-HT in the contused sheep spinal cord: status of the monoamine hypothesis. Kidman AD, et al. **J Neurochem** 27(1):293–4, Jul 76

Effects of tryptophan on serotonin in nerve endings. McBride WJ, et al. **J Neurochem** 26(1):175–8, JAN 76

Effects of chronic consumption of ethanol and sucrose on rat whole brain 5-hydroxytryptamine. Moscatelli EA, et

al. **J Neurochem** 25(3):273–6, Sep 75
N–Acetylneuraminic acid molecules as possible serotonin binding sites. Ochoa EL, et al. **J Neurochem** 26(6):1193–8, Jun 76
Neonatal asphyxia in the rat: greater vulnerability of males and persistent effects on brain monoamine synthesis. Simon N, et al. **J Neurochem** 26(5):893–900, May 76
Postnatal development of 5–hydroxytryptamine and monoamine oxidase in rat spinal cord. Suzuki O, et al. **J Neurochem** 27(1):319–20, Jul 76
Serotonin binding protein:enhancement of binding by Fe2+ and inhibition of binding by drugs. Tamir H, et al. **J Neurochem** 26(5):871–8, May 76
Concentration gradients of monoamine metabolites in human cerebrospinal fluid. Sjöström R, et al. **J Neurol Neurosurg Psychiatry** 38(7):666–8, Jul 75
Tryptophan metabolism and the occurrence of amino acids and serotonin in the leech (Hirudo medicinalis) nervous system. Stenzel K, et al. **J Neurosci Res** 2(1):1–9, 1976
The effect of methysergide on 5–hydroxytryptamine turnover in whole brain. D'amico DJ, et al. **J Pharm Pharmacol** 28(5):454–6, May 76
Altered 5–HT metabolism with clonazepam, diazepam and diphenylhydantoin. Jenner P, et al. **J Pharm Pharmacol** 27(9):707–10, Sep 75
Proceedings: Clonazepam–induced changes in 5–hydroxytryptamine (5–HT) metabolism in aminals and man. Jenner P, et al. **J Pharm Pharmacol** 27 Suppl?–2:38P, Dec 75
Comparative study on the effect of neostigmine, trimetaphan an oxyphenonium on some aspects of 5–hydroxytryptamine metabolism in rats. Kenawy SA, et al. **J Pharm Pharmacol** 27(11):871–3, Nov 75
Cerebral monoamine metabolism in guinea–pigs with ascorbic acid deficiency. Saner A, et al. **J Pharm Pharmacol** 27(12):896–902, Dec 75
Failure of depletion of rat brain 5–hydroxytryptamine to alter fenfluramine–induced anorexia. Sugrue MF, et al. **J Pharm Pharmacol** 27(12):950–3, Dec 75
Effect of blockade of 5–hydroxytryptamine re–uptake on drug–induced antinociception in the rat. Sugrue MF, et al. **J Pharm Pharmacol** 28(5):447–8, May 76
Quantum chemical studies on drug action V: Involvement of structure–activity, quantum chemical, and hydrophobicity factors in thrombocyte uptake of 5–hydroxytryptamine. Kumbar M, et al. **J Pharm Sci** 65,7):1014–9, Jul 76
The mechanism by which methiothepin, a putative serotonin receptor antagonist, icnreses brain 5–hydroxyindole levels. Jacoby JH, et al. **J Pharmacol Exp Ther** 195(2):257–64, Nov 75
Coincidence of blockade of synaptosomal 5–hydroxytryptamine uptake and decrease in tryptophan hydroxylase activity: effects of fenfluramine. Knapp S, et al. **J Pharmacol Exp Ther** 198(1):123–32, Jul 76
The pharmacodynamics of 5–hydroxytryptamine uptake and metabolism by the isolated perfused rabbit lung. Pickett RD, et al. **J Pharmacol Exp Ther** 194(3):545–53, Sep 75
Increase by visual stimuli in turnover of 5–hydroxytryptamine in the superior colliculi of the rabbit. Fukui K, et al. **J Physiol (Lond)** 254(2):519–29, Jan 76
Alterations in amounts and rates of serotonin transported in an axon of the giant cerebral neurone of Aplysia californica. Goldberg DJ, et al. **J Physiol (Lond)** 259(2):473–90, Jul 76
Effect of l–5–hydroxytryptophan on brain monoamine metabolism and evaluation of its clinical effect in depressed patients. Takahashi S, et al. **J Psychiatr Res** 12(3):177–87, Nov 75
Correlation between the 5–hydroxytryptamine contents in the brain and degrees of sensory, and locomotor activities in the rat. Kameyama T, et al. **Jpn J Pharmacol** 25(6):784–7, Dec 75
Manipulation of brain serotonin in the treatment of myoclonus. Chadwick D, et al. **Lancet** 2(7932):434–5, 6 Sep 75
Lithium. Essman WB. **Lancet** 2(7934):547, 20 Sep 75 (20 ref.)
Letter: 5–hydroxytryptamine and hepatic coma. Lal S, et al. **Lancet** 2(7942):979–80, 15 Nov 75
Norepinephrine–epinephrine and serotonin content of nasal mucosa in relation to hemorrhage, reserpine and excitement. Arihood SA, et al. **Life Sci** 18(2):211–4, 15 Jan 76
Effects of 4–methyl–alpha–ethyl–tyramine, 4, alpha–dimethyl–tyramine and tetrabenazine on the release and uptake of 5–hydroxytryptamine by human blood platelets in vitro. Campbell IC, et al. **Life Sci** 18(10):1091–7, 15 May 76
Changes in human–platelet storage packet size following incubation with labelled serotonin. Costa JL, et al. **Life Sci** 18(12):1413–7, 15 Jun 76
Rapid repletion of brain serotonin in malnourished corn–fed rats following L–tryptophan injection. Fernstrom JD, et al. **Life Sci** 17(3):455–63, 1 Aug 75
5–Hydroxytryptamine binding to synaptic membranes from rat brain. Fillion G, et al. **Life Sci** 18(1):65–74, 1 Jan 76
The effects of quipazine on serotonin metabolism in rat brain. Fuller RW, et al. **Life Sci** 18(9):925–33, 1 May 76
L–tryptophan and rat fetal brain serotonin. Howd RA, et al. **Life Sci** 17(5):803–11, 1 Sep 75
Effects of delta9–tetrahydrocannabinol on neurotransmitter accumulation and release mechanisms in rat forebrain synaptosomes. Johnson KM, et al. **Life Sci** 19(3):347–56, 1 Aug 76
The effect of halofenate and clofibrate on aggregation and release of serotonin by human platelets. Lin CY, et al. **Life Sci** 18(6):563–8, 15 Mar 76
Some biological effects of prostaglandin endoperoxide analogs. Malmsten C. **Life Sci** 18(2):169–76, 15 Jan 76
Interaction of diet and drugs in the regulation of brain 5–hydroxyindoles and the response to painful electric shock. Messing RB, et al. **Life Sci** 18(7):707–14, 1 Apr 76
Effect of tryptophan administration on serotonin and 5–hydroxyindoleacetic acid content in the brainstem of Lilly 110140–pretreated rats. Morgan WW, et al. **Life Sci** 17(4):523–9, 15 Aug 75
Effect of L–tryptophan and restraint stress on hypothalmic and brain serotonin turnover, and pituitary TSH and prolactin release in rats. Mueller GP, et al. **Life Sci** 18(7):715–24, 1 Apr 76
The serotonergic system in the brain and its possible functional connections with other aminergic systems. Samanin R, et al. **Life Sci** 17(8):1201–9, 15 Oct 75 (79 ref.)
Influence of dieldrin on serotonin turnover and 5–hydroxyindole acetic acid efflux in mouse brain. Sharma RP. **Life Sci** 19(4):537–41, 15 Aug 76
Selective inhibition of serotonin uptake by trazodone, a new antidepressant agent. Stefanini E, et al. **Life Sci** 18(12):1459–65, 15 Jun 76
Kinetic analysis of 3H–serotonin accumulation in four regions of rat brain after lesions in the medial forebrain bundle. Yunger LM, et al. **Life Sci** 19(1):105–15, 1 Jul 76
Selective effect of a maize diet in reducing serum and brain tryptophan contents and blood and brain serotonin levels. Zambotti F, et al. **Life Sci** 17(11):1663–9, 1 Dec 75
Alcohol intake in the rat after lowering brain 5–hydroxtryptamine content by electrolytic midbrain raphé lesions, 5, 6–dihydroxytryptamine or p–chlorophenylalanine. Kiianmaa K. **Med Biol** 54(3):203–9, Jun 76
5–Hydroxytryptamine and learning: long–term effects of P–chloroamphetamine on acquisition. Ogren S, et al. **Med Biol** 53(3):165–8, Jun 75
5,7–Dihydroxytryptamine induced changes in the postnatal development of central 5–hydroxytryptamine neurons. Sachs C, et al. **Med Biol** 53(3):156–64, Jun 75
Uptake of biogenic amines by thyroid glands. Gershon MD, et al. **Mol Cell Endocrinol** 5(3–4):169–80, Aug–Sep 76
Serotonin and lysergic acid diethylamide binding in rat brain membranes: relationship to postsynaptic serotonin receptors. Bennett JP Jr, et al. **Mol Pharmacol** 12(3):373–89, May 76
Some structural requirements for inhibition of high–affinity synaptosomal serotonin uptake by cannabinoids. Johnson KM, et al. **Mol Pharmacol** 12(3):345–52, May 76
Displacement of serotonin from its adenosine triphosphate complex by tricyclic antidepressant drugs in vitro. Nogrady T, et al. **Mol Pharmacol** 11(6):795–802, Nov 75
Effects of drugs on the processes regulating the functional activity of brain 5–hydroxytryptamine. Green AR, et al. **Nature** 260(5551):487–91, 8 Apr 76 (104 ref.)
Differential circadian rhythms in pineal and hypothalamic 5–HT induced by artificial photoperiods or melatonin. Yates CA, et al. **Nature** 262(5565):219–20, 15 JUL 76
Effects of halothane and nitrous oxide anaesthesia on 5–HT turn–over in the rat brain. Bourgoin S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):109–21, 1975
Inhibition of the reuptake of serotonin by tryptoline. Rommelspacher H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):93–5, 14 Jan 76
Indolamine metabolism in the intact and denervated pineal, pineal stalk and habenula. Moore RY. **Neuroendocrinology** 19(4):323–30, 1975
Normalization of brain serotonin by L–tryptophan in levodopa–treated rats. Fahn S, et al. **Neurology (Minneap)** 25(9):861–5, Sep 75
Brain serotonin after experimental vascular occlusion. Mršulja BB, et al. **Neurology (Minneap)** 26(8):785–7, Aug 76
Comparison of 4–chloro–, 4–bromo– and 4–fluoroamphetamine in rats: drug levels in brain and effects on brain serotonin metabolism. Fuller RW, et al. **Neuropharmacology** 14(10):739–46, Oct 75
Quipazine: its effects on rat brain 5–hydroxytryptamine metabolism, monoamine oxidase activity and behaviour. Green AR, et al. **Neuropharmacology** 15(3):173–9, Mar 76
Effects of intraventricular p–chloroamphetamine and its analogues on cerebral 5–HT. Sherman A, et al. **Neuropharmacology** 14(10):733–7, Oct 75
Role of vitamin B6 on leucine–induced metabolic changes. Rao SB, et al. **Nutr Metab** 18(5–6):318–25, 1975
Nutritionally small–for–dates rats: their subsequent growth, regional brain 5–hydroxytryptamine turnover, and behavior. Smart JL, et al. **Pediatr Res** 10(9):807–11, Sep 76
Influence of apomorphine on brain serotonin turnover rate. Grabowska M. **Pharmacol Biochem Behav** 3(4):589–91, Jul–Aug 75
Aggressive behavior and brain serotonin and catecholamines in ants (Formica rufa). Kostowski W, et al. **Pharmacol Biochem Behav** 3(4):717–9, Jul–Aug 75
Alpha–MSH and MIF–2 effects on serotonin levels and accumulation in various rat brain areas. Spirtes MA, et al. **Pharmacol Biochem Behav** 3(6):1011–5, Nov–Dec 75
Interactions between antimigraine drugs and a high affinity uptake and storage mechanism for 5–hydroxytryptamine. Fozard JR, et al. **Pharmacology** 14(4):357–61, 1976
Effects of tetrahydropapaveroline on dopamine and 5–hydroxytryptamine metabolism in rat brain in vivo. Neuropsychiatric Clinic, University of Bari Bari.. **Pharmacology** 14(1):20–6, 1976
The effect of constant light and chemical sympathectomy on the development of serotonin, n–acetyltransferase and monoamine oxidase activities in the rat epiphyses. Illnerova H. **Physiol Bohemoslov** 24(6):493–500, 1975
Effect of different environmental temperatures on the serotonin concentration and turnover in the brain stem of a hibernator. Novotná R, et al. **Physiol Bohemoslov** 25(1):37–42, 1976
Effect of dihydroxyphenylalanine, imipramine and coffeine on the light induced decrease in nocturnal serotonin N–acetyltransferase in the rat pineal gland. Vaněček J, et al. **Physiol Bohemoslov** 25(3):217–21, 1976
Serotonin through pregnancy. Comparative researches in different species and in mankind. Uluitu M, et al. **Physiologie** 12(4):275–80, 1975
The influence of bufotenin on the feeding behavior and cerebral serotonin content in rats. Uluitu M, et al. **Physiologie** 13(2):145–53, Apr–Jun 76 (Eng. Abstr.)
Butyrophenones and brain serotonin metaboism. Grabowska M. **Pol J Pharmacol Pharm** 28(3):253–7, 1976
5–hydroxytryptamine metabolism in the brain under the influence of psychotropic drugs. Herman ZS. **Pol J Pharmacol Pharm** 27(Suppl):25–43, Oct 75 (258 ref.)
The influence of fluphenazine on the interaction of noradrenaline and serotonin. Janiec W, et al. **Pol J Pharmacol Pharm** 27(Suppl):95–8, Oct 75
The influence of alkaline elements on the metabolism of 5–hydroxytryptamine in rat's brain. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 27(Suppl):107–12, Oct 75
Biosynthesis and metabolism of 5–hydroxytryptamine in the central nervous system. Kleinrok Z. **Pol J Pharmacol Pharm** 27(Suppl):3–12, Oct 75 (108 ref.)
Serotonin and proteolytic enzymes in brain of irradiated animals. Koćmierska–Grodzka D, et al. **Pol J Pharmacol Pharm** 27(Suppl):119–25, Oct 75
Para–substituted amphetamines and brain serotonin. Magyar K, et al. **Pol J Pharmacol Pharm** 27(Suppl):139–43, Oct 75
Central D–fenfluramine action. Mogilnicka E, et al. **Pol J Pharmacol Pharm** 27(Suppl):161–6, Oct 75
The effect of alpha, alpha1–dipyridyl on noradrenaline, dopamine and 5–hydroxytryptamine levels and on dopamine–beta–hydroxylase activity in brain. Mogilnicka E, et al. **Pol J Pharmacol Pharm** 27(6):619–24, Nov–Dec 75
Serotonin content in the central nervous system of rats and cholinergic tremor. Oelszner W, et al. **Pol J Pharmacol Pharm** 27(Suppl):167–72, Oct 75
Disturbances in tryptophan and serotonin metabolism in affective psychoses and schizophrenia. Pużyński S, et al. **Pol J Pharmacol Pharm** 27(Suppl):47–60, Oct 75 (83 ref.)
Histofluorescence studies on the effect of 1,3–dimethyl–5–adamantanamine (D–145) on serotonin neurons in midbrain raphe nuclei. Smialowska M. **Pol J Pharmacol Pharm** 28(3):233–42, 1976
The effect of alpha–adrenolytics on the levels of 5–hydroxytryptamine and 5–hydroxyindoleacetic acid in rat's brain. Zebrowska–Lupina I, et al. **Pol J Pharmacol Pharm** 27(Suppl):241–5, Oct 75
On the in vivo and in vitro actions of fenfluramine and its derivatives on central monoamine neurons, especially 5–hydroxytryptamine neurons, and their relation to the anorectic activity of fenfluramine. Fuxe K, et al. **Postgrad Med J** 51 Suppl 1:35–45, 1975
Metabolism of indole amines in depression. Hullin RP. **Postgrad Med J** 52(3 suppl):18–24, 1976 (41 ref.)
Ontogenesis of a biological clock for serotonin:acetyl coenzyme A N–acetyltransferase in pineal gland of rat. Deguchi T. **Proc Natl Acad Sci USA** 72(7):2814–8, Jul 75
Brain tryptophan hydroxylase: purification of, production of antibodies to, and cellular and ultrastructural localization in serotonergic neurons of rat midbrain. Joh TH, et al. **Proc Natl Acad Sci USA** 72(9):3575–9, Sep 75
Multiple active forms of thrombin: binding to platelets and effects on platelet function. Mohammed SF, et al. **Proc Natl Acad Sci USA** 73(5):1660–3, May 76
The effect of stimulation of subcortical serotonin containing structures on pentylenetetrazol induced convulsions. Wilkison DM, et al. **Proc West Pharmacol Soc** 18:146–7, 1975
Interactions of self–stimulation behavior and some humoral factors. Hartmann G, et al. **Prog Brain Res** 42:321–2, 1975
4–chloroamphetamines. Chance and trend in the development of new antidepressants. van Praag HM, et al. **Psychopharmacol Bull** 12(3):64–74, Jul 76
Fenfluramine: evidence for a neurotoxic action on midbrain and a long–term depletion of serotonin. Harvey JA, et al. **Psychopharmacol Commun** 1(2):217–28, 1975
Analgesic effect of fluoxetine hydrochloride (Lilly 110140), a specific inhibitor of serotonin uptake. Messing RB, et al. **Psychopharmacol Commun** 1(5):511–21, 1975
Norepinephrine and serotonin: specificity of release with rewarding electrical stimulation of the brain. Holloway JA. **Psychopharmacologia** 42(2):127–34, 28 May 75
Behavioral supersensitivity to 5–hydroxytryptophan induced by chronic methysergide pretreatment. Klawans HL, et al. **Psychopharmacologia** 44(3):297–300, 21 Nov 75
Effects of tandamine and pirandamine, new potential antidepressants, on the brain uptake of norepinephrine and

5-hydroxytryptamine and related activities. Pugsley T, et al. **Psychopharmacologia** 47(1):33-41, 5 May 76

Effect of clozapine on the metabolism of serotonin in rat brain. Ruch W, et al. **Psychopharmacologia** 46(1):103-9, 1976

Antinociceptive action of quipazine: relation to central serotonergic receptor stimulation. Samanin R, et al. **Psychopharmacologia** 46(2):219-22, 16 Mar 76

The effect of various phenothiazines and tricyclic antidepressants on the accumulation and release of (3H)norepinephrine and (3H)5-hydroxytryptamine in slices of rat occipital cortex. Heikkila RE, et al. **Res Commun Chem Pathol Pharmacol** 13(2):237-50, Feb 76

Is the serotonin binding protein (SBP) a soluble storage form for serotonin? Tamir H, et al. **Res Commun Chem Pathol Pharmacol** 13(2):225-35, Feb 76

On the use of selective neurotoxic amine analogs to measure the blockade of norepinephrine and 5-hydroxytryptamine uptake systems by antidepressants. VonVoigtlander PF, et al. **Res Commun Chem Pathol Pharmacol** 13(3):389-400, Mar 76

Studies of amine metabolites in affective illness and in schizophrenia: a comparative analysis. Goodwin FK, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:299-332, 1975 (149 ref.)

Effect of delta9 THC on serotonin, MAO and tryptophan hydroxylase in rat brain. Ouellet J, et al. **Rev Can Biol** 32(3):213-7, Sep 73

A review of recent studies of the biosynthesis and excretion of hallucinogens formed by methylation of neurotransmitters or related substances. Rosengarten H, et al. **Schizophrenia Bull** 2(1):90-105, 1976 (109 ref.)

'Serotonin depression'--a biochemical subgroup within the affective disorders? Asberg M, et al. **Science** 191(4226):478-80, 6 Feb 76

Monoamine changes in the brain of cats during slow-wave sleep. Kovačević R, et al. **Science** 193(4257):1025-7, 10Sep 76

Letter: Serotonin depression. Kripke DF. **Science** 194(4261):214, 8 Oct 76

Biological impact of small air ions. Krueger AP, et al. **Science** 193(4259):1209-13, 24 Sep 76

Effects of long-term corn consumption on brain serotonin and the response to electric shock. Lytle LD, et al. **Science** 190(4215):692-4, 14 Nov 75

Effect of portacaval shunt and acute hepatic ishcemia on brain and liver serotonin and catecholamines. Reichle RM, et al. **Surg Forum** 26:413-4, 1975

Proceedings: Receptors for 5-hydroxytryptamine on rat blood platelets. Drummond AH, et al. **Thromb Diath Haemorrh** 34(2):594, 15 Nov 75

Proceedings: Comparison of the effects of some anorectic drugs on platelet and brain 5-hydroxy-tryptamine (5HT) in rats. Roncaglioni C, et al. **Thromb Diath Haemorrh** 34(2):577, 15 Nov 75

Proceedings: Endothelium and serotonin transport. Shepro D, et al. **Thromb Diath Haemorrh** 34(1):329, 30 Sep 75

Proceedings: Selective release of serotonin from human platelets by X-537 A, acting as an ionophore for serotonin. Wörner P, et al. **Thromb Diath Haemorrh** 34(1):359-60, 30 Sep 75

Selective release of serotonin from platelets by diffusion facilitated by the ionophore X-537A. Wörner P, et al. **Thromb Res** 7(4):567-77, Oct 75

Regeneration of the bulbospinal serotonin system after 5,6- or 5,7-dihydroxytryptamine in the rat. Baumgarten HG, et al. **Verh Anat Ges** 69:497-8, 1975

[Correlation between the brain serotonin and the hypothalamic neuro-secretion in rat (author's transl)] Tangaprégassom AM, et al. **Ann Endocrinol (Paris)** 36(6):291-9, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Effects of different heterocyclics on the incorporation of 5-hydroxytryptamine and noradrenaline in a rat brain preparation] Uzan A, et al. **Ann Pharm Fr** 33(6-7):345-54, Jun-Jul 75 (Eng. Abstr.) **(Fre)**

[Influence of hypo- and hyperthyroidism on the turnover rate of noradrenaline, dopamine and serotonin in various rat cerebral structures] Beley A, et al. **Arch Int Physiol Biochim** 83(3):471-80, Aug 75 (Eng. Abstr.) **(Fre)**

[Effect of fenfluramine on the mechanisms of transport of brain serotonin in rat synaptosomes] Belin MF, et al. **C R Acad Sci [D] (Paris)** 279(25):1935-8, 16 Dec 74 **(Fre)**

[Changes in serotonin and leucine transport mechanisms after the application of a monoamine oxidase inhibitor (phenelzine) to rat mesencephalic synaptosomes] Belin MF, et al. **C R Acad Sci [D] (Paris)** 282(14):1359-61, 5 Apr 76 (Eng. Abstr.) **(Fre)**

[The importance of determining 5-hydroxytryptophan and hydroxyindoles in biological fluids in cancer cases] Bousquet B, et al. **C R Acad Sci [D] (Paris)** 280(8):1043-6, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Incorporation of 3H-serotonin into the pineal body of birds: in vitro, high-resolution autoradiographic study in ducks] Collin JP, et al. **C R Acad Sci [D] (Paris)** 280(7):885-8, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Negative correlation between dopamine and serotonin levels in certain brain structures: neurochemical and morpholigical aspects] Roberge AG, et al. **J Neurochem** 26(3):591-5, Mar 76 (Eng. Abstr.) **(Fre)**

[Pharmacological influence on central serotonergic mechanisms in man and its consequences on sleep (author's transl)] Rüther E, et al. **Arzneim Forsch** 26(6):1071-3, 1976 (Eng. Abstr.) **(Ger)**

[Neurodystrophic quadrant syndrome simulatray puffed-sleeve lipomatosis] Luger A, et al. **Z Hautkr** 51(7):275-83, 1 Apr 76 **(Ger)**

[Resin linked derivatives of serotonin and affinity chromatography of proteins isolated from synaptic membranes (author's transl)] Seela F, et al. **Z Naturforsch [C]** 29(5-6):248-56, May-Jun 74 (Eng. Abstr.) **(Ger)**

[Role of 5-hydroxytryptamine and of the acetylocholine in the anticonvulsive action of homotaurine] Bartolini A, et al. **Boll Soc Ital Biol Sper** 51(22):1716-22, 30 Nov 75 **(Ita)**

[Evoked acoustic response and serotonin: variation of the latency of the early components in rats treated with para-chlorophenylalanine and subsequently with 5-OH-tryptophan] Concu A, et al. **Boll Soc Ital Biol Sper** 52(1-2):10-4, 30 Jan 76 **(Ita)**

[Effect of the administration of corn and geletin on cerebral levels of serotonin in rats] Fadda F, et al. **Boll Soc Ital Biol Sper** 51(15-16):951-4, 30 Aug 75 **(Ita)**

[Histotopochemical localization of biogenic amines in neurons of the cerebral ganglion of Helix pomatia] Bernocchi G, et al. **Riv Istochim Norm Patol** 18(1-4):123, 1974 **(Ita)**

[Cytospectrofluorometric analysis of monoamines of the cerebral ganglia in Helix pomatia in conditions of wakefulness and lethargy] Fraschini A, et al. **Riv Istochim Norm Patol** 18(1-4):124, 1974 **(Ita)**

[Tryptophane and affective disorders (author's transl)] Cassano GB, et al. **Riv Patol Nerv Ment** 95(4):222-36, Aug 74 (Eng. Abstr.) **(Ita)**

[CSF levels of 5-HIAA in migraine during tryptophan therapy (author's transl)] Poloni M, et al. **Riv Patol Nerv Ment** 95(5):620-3, Oct 74 (Eng. Abstr.) **(Ita)**

[Toxicity of chinoform in mice 2. Effects of chinoform on serotonin metabolism] Aoki Y, et al. **Clin Neurol (Tokyo)** 15(8):511-9, Aug 75 (Eng. Abstr.) **(Jpn)**

[Fluorohistochmical studies on localization of 5-hydroxytryptamine neurons in the rat brain following administration of thiopental sodium] Yanagisawa M. **Folia Pharmacol Jpn** 71(6):641-62, Sep 75 (Eng. Abstr.) **(Jpn)**

[Effect of tobacco smoking on the adrenergic system activity and serotonin metabolism] Trojnar R. **Pol Tyg Lek** 31(11):459-61, 15 Mar 76 **(Pol)**

[Adrenergic system and serotonin metabolism in cigarette smokers] Trojnar R. **Pol Tyg Lek** 31(12):473-6, 22 Mar 76 (Eng. Abstr.) **(Pol)**

[Catecholamine concentration in the hypothalamus following alteration of pituitary adrenocorticotropic function] Aleshin BV, et al. **Biull Eksp Biol Med** 82(7):771-2, Jul 76 (Eng. Abstr.) **(Rus)**

[The influence of 1-DOPA on emotional responses and serotonin metabolism in the rat brain] Allikmets LKh, et al. **Biull Eksp Biol Med** 81(2):134-7, Feb 76 (Eng. Abstr.) **(Rus)**

[The effect of sodium and potassium ions on serotonin absorption by lung tissue] Dubileĭ PV. **Biull Eksp Biol Med** 81(2):145-7, Feb 76 (Eng. Abstr.) **(Rus)**

[Serotonin and 5-hydroxyindolacetate during acute renal ischemia] Khovanskaia TP, et al. **Biull Eksp Biol Med** 80(9):46-8, Sep 75 (Eng. Abstr.) **(Rus)**

[The dynamics of serotonin in tissues in acute hypoxia (the phenomenon and its possible significance] Kulinskiĭ VI, et al. **Biull Eksp Biol Med** 81(2):175-7, Feb 76 (Eng. Abstr.) **(Rus)**

[Serotonin concentration in the hypothalamus following alteration of pituitary thyrotropic function] Mamina VV. **Biull Eksp Biol Med** 82(7):772-4, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of prothixen and related compounds on serotonin absorption by human thrombocytes] Oksenkrug GF. **Biull Eksp Biol Med** 80(8):74-7, Aug 75 (Eng. Abstr.) **(Rus)**

[Serotonin uptake by human thrombocytes as a method of screening antidepressants] Oksenkrug GF. **Biull Eksp Biol Med** 81(1):51-3, Jan 76 (Eng. Abstr.) **(Rus)**

[Functional interactions of the brain serotonin- and noradrenergic systems during training] Gromova EA, et al. **Dokl Akad Nauk SSSR** 227(3):766-8, 21 Mar 76 **(Rus)**

[Changes in the content of serotonin and 5-hydroxyindoleacetic acid in the brain during selection of silver foxes according to behavior] Popova NK, et al. **Dokl Akad Nauk SSSR** 223(6):1498-500, 21 Aug 75 **(Rus)**

[Influence of substances that change the serotonin level of the brain on the analgesic effect of promedol in rats] Murakhina LK. **Farmakol Toksikol** 39(1):31-5, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[State of the serotonin-monoamine oxidase system in experimental trinitrotoluene poisoning] Mul'menko AM, et al. **Gig Tr Prof Zabol** (10):57-8, Oct 74 **(Rus)**

[Serotonin metabolism in Crimean hemorrhagic fever] Martynenko IN, et al. **Klin Med (Mosk)** 52(2):65-7, Feb 74 (Eng. Abstr.) **(Rus)**

[Some spasmogenic properties of the peritoneal fluid in intestinal obstruction in experiments] Chakyrov SN. **Patol Fiziol Eksp Ter** (3):80-2, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Serotonin metabolism in acute renal ischemia] Ermolaev MV, et al. **Patol Fiziol Eksp Ter** (5):82-4, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Uptake of biogenic amines in mast cells in sustained anaphylactic reaction] Gushchin IS, et al. **Patol Fiziol Eksp Ter** (4):20-4, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Endogenous serotonin and histamine in the body of white mice with acute and latent influenza infections] Timakov VD, et al. **Patol Fiziol Eksp Ter** (5):14-8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Serotonin metabolism in diseases of the large intestine] Bilich IL, et al. **Ter Arkh** 47(5):138-41, 1975 (Eng. Abstr.) **(Rus)**

[Biogenic amines (serotonin and histamine) in Rendu-Osler disease] Fedorova NV, et al. **Ter Arkh** 47(6):119-22, 1975 **(Rus)**

[Study of serotoninopexia of the blood serum and skin extracts in patients with disseminated neurodermatitis] Grebennikov VA. **Vestn Dermatol Venerol** (8):22-4, Aug 75 **(Rus)**

[Metabolism of serotonin and histamine in vasomotor rhinitis under the effect of cryotherapy] Dainiak LB, et al. **Vestn Otorinolaringol** (5):30-3, Sept-Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of ultra-high frequency electromagnetic field in continuous and pulse regimens on the indicators of serotonin metabolism in patients with ulcer disease] Komissarova IV. **Vopr Kurortol Fizioter Lech Fiz Kult** (2):170-4, Mar-Apr 75 **(Rus)**

[Serotonin of blood, bronchial secretion and saliva in chronic broncho-pulmonary diseases in children] Gavalov SM, et al. **Vopr Okhr Materin Det** 20(12):46-9, Dec 75 (Eng. Abstr.) **(Rus)**

[Certain indicators of serotonin metabolism in prolonged pregnancy] Khoreva ZP. **Vopr Okhr Materin Det** 19(2):78-80, Feb 74 (Eng. Abstr.) **(Rus)**

[Serotonin metabolism in ulcer disease] Gubskiĭ VI, et al. **Vrach Delo** (3):78-81, Mar 76 (Eng. Abstr.) **(Rus)**

[Content of 5-hydroxytryptamine in brain, blood and stomach tissue in rats of different age with sympathectomy induced by guanetidine (author's transl)] Kohút A, et al. **Bratisl Lek Listy** 64(1):76-80, Jul 75 (Eng. Abstr.) **(Slo)**

[Serotonergic mechanisms and mental depression] Rodríguez R. **Bol Estud Med Biol** Suppl 1:299-308, 1974 **(Spa)**

[Serotonin content and its metabolic pathways in the biological media of the fetoplacental complex in the dynamics of labor] Baksheev NS, et al. **Pediatr Akush Ginekol** (1):39-42, Jan-Feb 75 **(Ukr)**

[Serotonin metabolism in chronic cholecystitis in children] Tverskaia SS. **Pediatr Akush Ginekol** (2):16, Mar-Apr 76 **(Ukr)**

PHARMACODYNAMICS

Ovulation-inducing capacity of serotonin in persistent oestrous rats. Hagino N, et al. **Acta Biol Acad Sci Hung** 25(4):327-8, 1974

Collaboration of serotonin and melatonin in the control of thyroid function. Csaba G, et al. **Acta Biol Med Ger** 34(6):1097-100, 1975 (Eng. Abstr.)

Mutual potentiation between noradrenaline and 5-hydroxytryptamine in producing aggregation of canine platelets. Takano S. **Acta Haematol Jpn** 38(3):292-8, Jun 75

Proceedings: Influence of free serotonin on the blood-brain barrier and the regulation of autonomic functions. Winkelmüller W, et al. **Acta Neurochir (Wien)** 31(3-4):299, 1975

The effects of indoleamines (serotonin and melatonin) on induction of ovulation in rabbits. Przekop F, et al. **Acta Physiol Pol** 26(4):395-8, Jul-Aug 75

Respiratory depressant effects of ethanol: mediation by serotonin. Smith AA, et al. **Adv Exp Med Biol** 59:407-17, 1975

Thermoregulatory effects of monoamine potentiators and inhibitors in the rat. Francesconi R, et al. **Am J Physiol** 231(1):148-52, Jul 76

Effect of serotonin on brown adipose tissue and on its sympathetic neurons. Steiner G, et al. **Am J Physiol** 231(1):34-9, Jul 76

Fine structure of labelled axons in the cerebellar cortex and nuclei of rodents and primates after intraventricular infusions with tritiated serotonin. Chan-Palay V. **Anat Embryol (Berl)** 148(3):235-65, 31 Dec 75

Possible role of histamine receptors in cardiovascular responses to 5-hydroxytryptamine in the chicken. Chand N, et al. **Arch Int Pharmacodyn Ther** 219(1):1-12, Jan 76

Mesenteric vasodilator effect of 5-hydroxytryptamine: possible enteric neuron mediation. Fara JW. **Arch Int Pharmacodyn Ther** 221(2): 235-49, Jun 76

The influence of serotonin on insulin-stimulated gastric secretion, blood glucose and serum electrolyte levels in the unanesthetized rat. Hano J, et al. **Arch Int Pharmacodyn Ther** 216(1):28-39, Jul 75

Proceedings: The effect of serotonin and norepinephrine on pial microcirculation. Csornai M. **Arzneim Forsch** 26(6):1244-5, 1976

Inhibition of cholinesterase by 5-hydroxytryptamine. Mohammed YS, et al. **Arzneim Forsch** 25(11):1714-5, Nov 75

Effect of serotonin on cyclic nucleotides of human platelets. Agarwal KC, et al. **Biochem Biophys Res Commun** 69(4):962–9, 19 Apr 76

Stimulation of phosphatidylinositol turnover by histamine, 5–hydroxytryptamine and adrenaline in the longitudinal smooth muscle of guinea pig ileum. Jafferji SS, et al. **Biochem Pharmacol** 25(12):1429–30, 15 Jun 76

Hypersensitivity of scleroderma cutaneous vascular smooth muscle to 5–hydroxytryptamine. Winkelmann RK, et al. **Br J Dermatol** 95(1):51–6, Jul 76

Effects of desipramine on neuronal responses to dopamine, noradrenaline, 5–hydroxytryptamine and acetylcholine in the caudate nucleus of the rat. Bevan P, et al. **Br J Pharmacol** 54(3):285–93, Jul 75

The actions of flupenthixol upon 5–hydroxytryptamine–induced aggregation and the uptake of 5–hydroxytryptamine and dopamine by human blood platelets. Boullin DJ, et al. **Br J Pharmacol** 55(4):555–7, Dec 75

Proceedings: Simple models of anaphylaxis and of histamine and 5–hydroxytryptamine induced inflammation using the mouse pinna. Church MK, et al. **Br J Pharmacol** 55(2):315P, Oct 75

Studies on the relative effects of prostaglandins, bradykinin, 5–hydroxytryptamine and histamine on the synovial microcirculation in dogs. Dick WC, et al. **Br J Pharmacol** 56(3):313–6, Mar 76

Mechanism of the indirect sympathomimetic effect of 5–hydroxytrypt–amine on the isolated heart of the rabbit. Fozard JR, et al. **Br J Pharmacol** 57(1):115–25, May 76

Behavioural changes induced in conscious mice by intracerebroventricular injection of catecholamines, acetylcholine and 5–hydroxytryptamine. Herman ZS. **Br J Pharmacol** 55(3):351–8, Nov 75

Shape change and aggregation of blood platelets: interaction between the effects of adenosine and diphosphate, 5–hydroxytryptamine and adrenaline. Michal F, et al. **Br J Pharmacol** 56(2):209–18, Feb 76

The action of 5–hydroxytryptamine on chemoreceptor discharges of the cat's carotid body. Nishi K. **Br J Pharmacol** 55(1):27–40, Sep 75

Membrane potential changes induced by 5–hydroxytryptamine in the rabbit superior cervical ganglion. Wallis DI, et al. **Br J Pharmacol** 55(2):199–212, Oct 75

The effects of beta–carbolines on responses to acetylcholine, noradrenaline, 5–hydroxytryptamine and amino acids in the rat spinal cord. Headley PM, et al. **Brain Res** 101(3):479–88, 23 Jan 76

Hyposensitivity of deafferented receptor cells in the rat carotid body. Hess A. **Brain Res** 98(2):348–53, 14 Nov 75

Effects of 5–hydroxytryptamine and bradykinin in cat dorsal horn neurones activated by noxious stimuli. Randić M, et al. **Brain Res** 111(1):197–203, 23 Jul 76

Intrahypothalamic serotonin and cardiovascular control in rats. Smits JF, et al. **Brain Res** 111(2):422–7, 30 Jul 76

Stability and biological activity of catecholamines and 5–hydroxytryptamine immobilized to sepharose and glass beads. Yong MS, et al. **Can J Physiol Pharmacol** 53(4):616–28, Aug 75

Bronchopulmonary arterial shunting without anatomic anastomosis in the dog. Hyman AL, et al. **Circ Res** 37(3):285–98, Sep 75

Temperature regulation in the alpaca (Lama pacos): thermoregulatory consequences and inconsequences of injections of noradrenaline, 5–hydroxytryptamine, carbamyl choline and prostaglandin E1 into a lateral cerebral ventricle. Baumann I, et al. **Comp Biochem Physiol [C]** 50(1):105–9, 1 Jan 75

Actions of indolealklamines on single neurones from the brain of Heobania vermiculata. Eusebi F, et al. **Comp Biochem Physiol [C]** 54(1):27–9, 1976

Catecholamine influence on unit activity of the visceral ganglion of the mussel, Mytilus edulis, and the control of ciliary movement—I. Paparo A, et al. **Comp Biochem Physiol [C]** 51(1):35–40, 1 Jun 75

The effect of Ca on the rate of beating of lateral cilia in Mytilus edulis—I. A response to perfusion with 5–HT, DA, BOL and PBZ. Paparo AA, et al. **Comp Biochem Physiol [C]** 50(1):9–14, 1 Jan 75

Pharmacological modification of unit activity of the cerebral ganglion of the mussel, Mytilus edulis and the control of ciliary movement. Paparo AA, et al. **Comp Biochem Physiol [C]** 54(2):81–7, 1976

Action of biogenic amines on crustacean chromatophores—IV. Analysis of the synergistic erythrophoric pigment dispersion evoked by 5–hydroxytryptamine and lysergic acid diethylamide in the dwarf crayfish, Cambarellus shufeldti. Rao KR, et al. **Comp Biochem Physiol [C]** 51(1):53–8, 1 Jun 75

5–hydroxytryptamine as a possible inhibitory neurotransmitter in the central nervous system of the leech, Haemopis sanguisuga. Smith PA, et al. **Comp Biochem Physiol [C]** 52(1):65–73, 1 Oct 75

The pre– and post–synaptic actions of 5HT in Crustacea. Wheal HV, et al. **Comp Biochem Physiol [C]** 54(2):67–70, 1976

Effects of serotonin and catecholamines on the adenylate cyclase of molluscan heart. Wollemann M, et al. **Comp Biochem Physiol [C]** 51(1):63–6, 1 Jun 75

Hormone receptor studies on frog macrophage cells by means of histamine, serotonin and indoleacetic acid. Csaba G, et al. **Endokrinologie** 65(2):219–23, 1975 (Eng. Abstr.)

Glutamine synthetase, glutaminase and phosphodiesterase activities in brain under hypoxia: in vitro effect of cortisol, GABA and serotonin on glutamine synthetase. Chandrasekaran VP, et al. **Environ Physiol Biochem** 5(6):373–7, 1975

The importance of 5–hydroxytryptamine for the induction of harmine tremor and its antagonism by dopaminergic agonists assessed by lesions of the midbrain raphe nuclei. Costall B, et al. **Eur J Pharmacol** 35(1):109–19, Jan 76

Inhibition by 5–hydroxytryptamine of anaphylactic histamine release from bovine granulocytes. Holroyde MC, et al. **Eur J Pharmacol** 37(2):397–9, Jun 76

On the mechanism of the coronary dilator effect of serotonin in the dog. Mena MA, et al. **Eur J Pharmacol** 36(1):1–5, Mar 76

5–Hydroxytryptamine as a sensitizer of somatic nociceptors for pain–producing substances. Nakano T, et al. **Eur J Pharmacol** 38(1):23–9, Jul 76

The influence of somatostatin on drug–induced prolactin release in the monkey. Gala RR, et al. **Experientia** 32(7):941–3, 1976

Is serotonin or are its metabolites responsible for induction of hypothermia? Ritzmann R, et al. **Experientia** 32(3):334–6, 15 Mar 76

Neural serotonin receptors in active and hibernating helicid snails (Helix lucorum). Sakharov DA, et al. **Experientia** 32(5):588–9, 15 May 76

Serotonin and the effects of rhythmic stimulation of the splanchnic nerve in the frog. Niechaj A, et al. **Folia Biol (Krakow)** 23(3):211–22, 1975

Receptors for phenylephrine and 5–hydroxytryptamine in the rat jejunum. Hayashi A. **Fukushima J Med Sci** 21(1–2):59–68, Mar 75

Role of brain monoamines in controlling sexual behavior in male animals. pp. 451–62. Gessa GL, et al. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.**

Effect of histamine, serotonin, and other active substances on smooth muscle cells of microvessels. pp. 403–10. Chernukh AM, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Physiological and biochemical aspects of the action of serotonin on smooth muscle cells of myometrium. pp. 411–8. Kursky MD, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Direct and indirect effects of 5–hydroxytryptamine on cerebral blood vessels. pp. 135–8. Lluch S, et al. **In: Cervós–Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.**

Neurotransmitters and control of pituitary function. pp. 51–61. Kordon C, et al. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.**

Influence of intraventricular administration of norepinephrine, dopamine and 5–hydroxytryptamine on motor activity of rats. Kulkarni SK, et al. **Indian J Med Res** 63(3):462–8, Mar 75

Proceedings: Effect of serotonin and its derivatives on human erythrocyte osmotic fragility. Kirshtein R, et al. **Isr J Med Sci** 11(11):1222–3, Nov 75

Proceedings: Serotonin–induced electrical silence of rat skeletal muscle with experimentally induced Duchenne muscular dystrophy. Pohlman A, et al. **J Am Osteopath Assoc** 75(5):530, Jan 76

Effects of serotonin, carbamylcholine, and ascorbic acid on leukocyte cyclic GMP and chemotaxis. Sandler JA, et al. **J Cell Biol** 67(2PT.1):480–4, Nov 75

Role of monoamines in the control by hormones of sexual receptivity in the female rat. Everitt BJ, et al. **J Comp Physiol Psychol** 89(6):556–72, Aug 75

Neurohormonal alteration of integrative properties of the cardiac ganglion of the lobster Homarus americanus. Cooke IM, et al. **J Exp Biol** 63(1):33–52, Aug 75

Putative synaptic mechanisms of inhibition in Limulus lateral eye. Adolph AR. **J Gen Physiol** 67(4):417–31, Apr 76

The effects of serotonergic and antiserotonergic drugs on the flexor reflex of spinal rat: a proposed model to evaluate the action on the central serotonin receptor. Maj J, et al. **J Neural Transm** 38(2):131–47, 1976

Ionic mechanism of 5–hydroxytryptamine induced hyperpolarization and inhibitory junctional potential in body wall muscle cells of Hirudo medicinalis. Sawada M, et al. **J Neurobiol** 7(1):63–73, Jan 76

The effects of ouabain and the activation of neural membrane ATPase by biogenic amines. Logan JG, et al. **J Neurochem** 27(1):185–9, Jul 76

Responses of isolated human basilar arteries to 5–hydroxytryptamine, noradrenaline, serum, platelets, and erythrocytes. Starling LM, et al. **J Neurol Neurosurg Psychiatry** 38(7):650–6, Jul 75

Cerebral arterial spasm. Part 5: in vitro contractile activity of vasoactive agents including human CSF on human basilar and anterior cerebral arteries. Allen GS, et al. **J Neurosurg** 44(5):594–600, May 76

Cerebral arterial spasm. Part 4: in vitro effects of temperature, serotonin analogues, large nonphysiological concentrations of serotonin, and extracellular calcium and magnesium on serotonin–induced contractions of the canine basilar artery. Allen GS, et al. **J Neurosurg** 44(5):585–93, May 76

A dual action of 5–hydroxytryptamine on the ovarian suspensory ligament of the rat. Davis WG. **J Pharm Pharmacol** 28(6):502–4, Jun 76

Vascular tone and reactivity to serotonin in the internal and external carotid vascular beds of the dog. Vidrio H, et al. **J Pharmacol Exp Ther** 197(1):49–56, Apr 76

Interaction between the effects of spinal heating and cooling and of injections into a lateral cerebral ventricle of noradrenaline, 5–hydroxytryptamine and carbachol on thermoregulation in sheep. Bacon M, et al. **J Physiol (Lond)** 254(1):213–27, Jan 76

Proceedings: Human blood platelet aggregation induced by dopamine, 5–hydroxyptrypamine and analogues. Boullin DJ, et al. **J Physiol (Lond)** 252(2):46P–47P, Nov 75

Some effects of 5–hydroxytryptamine, dopamine and noradrenaline on neurones in the submucous plexus of guinea–pig small intestine. Hirst GD, et al. **J Physiol (Lond)** 251(3):817–32, Oct 75

The effects of noradrenaline, 5–hydroxytryptamine and dopamine on synaptic membrane ATPases. Logan JG, et al. **J Physiol (Lond)** 250(1):47P–48P, Aug 75

Effects of 5–hydroxytryptamine on fertility and luteal development following intravaginal administration in the rat. Kendle KE. **J Reprod Fertil** 44(1):53–8, Jul 75

Interaction between estrogen and biogenic amines in the control of LH secretion. Ladosky W, et al. **J Steroid Biochem** 6(6):1013–20, Jun 75 (114 ref.)

Influence of local administration of serotonin on mitochondrial enzyme activity of rat skeletal muscle. Arai Y, et al. **Jpn J Pharmacol** 26(2):261–3, Apr 76

5–hydroxytryptamine receptors in uterine smooth muscle. Osman FH, et al. **Jpn J Pharmacol** 25(6):631–7, Dec 75

Effects of 5–hydroxytryptamine and morphine on the stomach motility in situ. Terawaki Y, et al. **Jpn J Pharmacol** (1):7–12, Feb 76

Centrally–mediated carcdiovascular responses to 5–HT. Lambert G, et al. **Life Sci** 17(6):915–9, 15 Sep 75

Gonadotropin releasing hormone (GnRH): neuropharmacological studies. Plotnikoff NP, et al. **Life Sci** 17(11):1685–91, 1 Dec 75

Neuropharmacological tests with alpha–melanocyte stimulating hormone. Plotnikoff NP, et al. **Life Sci** 18(11):1217–22, 1 Jun 76

Adenosine cyclic 3',5'–monophosphate in the liver fluke, Fasciola hepatica. I. Activation of adenylate cyclase by 5–hydroxytryptamine. Abrahams SL, et al. **Mol Pharmacol** 12(1):49–58, Jan 76

Adenosine cyclic 3',5'–monophosphate in the liver fluke, Fasciola hepatica. II. Activation of protein kinase by 5–hydroxytryptamine. Gentleman S, et al. **Mol Pharmacol** 12(1):59–68, Jan 76

Potentiation of central reward by localised perfusion of acetylcholine and 5–hydroxytryptamine. Redgrave P, et al. **Nature** 262(5566):305–7, 22 Jul 76

Effects of prostaglandins on cerebral blood vessels: interaction with vasoactive amines. Rosenblum WI. **Neurology (Minneap)** 25(12):1169–71, Dec 75

Opposite effects of intraventricular serotonin and bufotenin on rat startle responses. Geyer MA, et al. **Pharmacol Biochem Behav** 3(4):687–91, Jul–Aug 75

Effect of kinins on the central action of serotonin. Braszko J, et al. **Pol J Pharmacol Pharm** 27(Suppl):61–8, Oct 75

The effect of 5–hydroxytryptamine given IVC on rat behaviour. Drybański Z. **Pol J Pharmacol Pharm** 27(Suppl):83–8, Oct 75

The influence of 5–hydroxytryptamine and some beta–adrenolytic compounds on adenylylcyclase in rabbit brain in vitro. Kocur J, et al. **Pol J Pharmacol Pharm** 27(Suppl):113–7, Oct 75

The effects of serotonin injections into the locus coeruleus on ponto geniculo occipital (PGO) waves and cortical EEG pattern in cats. Kostowski W, et al. **Pol J Pharmacol Pharm** 27(Suppl):127–37, Oct 75

The effect of serotonin microinjections into the nuclei amygdalae on EEG and behavior in the rabbit. Przewlocki R. **Pol J Pharmacol Pharm** 27(Suppl):209–16, Oct 75

Effect of serotonin on ovulation in the fowl. Soliman KF, et al. **Poult Sci** 55(3):1051–6, May 76

Contractile responses to epinephrine, serotonin, and potassium in arterial smooth muscle. Disalvo J, et al. **Proc Soc Exp Biol Med** 151(3):478–83, Mar 76

A developmental study of the effects of 5,7–dihydroxytryptamine on regional tryptophan hydroxylase in rat brain. Baumgarten HG, et al. **Psychopharmacol Commun** 1(1):75–88, 1975

The effects of serotonin on feeding in the rabbit. Rezek M, et al. **Psychopharmacologia** 43(3):255–8, 17 Sep 75

Comparison of the effects of R–(–)–2–amino–1–(2,5–dimethoxy–4–methylphenyl) propane (DOM), r–(–)–2–amino–1–(2,5–dimethoxy–4–methylphenyl) butane (BL–3912A) and 5–hydroxytryptamine on non–innervated vascular smooth muscle. Dyer DC. **Res Commun Chem Pathol Pharmacol** 14(3):449–54, Jul 76

Radioprotective effectiveness and toxicity of ATP, AET and serotonin applied individually or simultaneously to mice. II. Dose depending protection by single agents. Benova D. **Strahlentherapie** 151(3):274–7, Mar 76

Radioprotection of whole–body gamma irradiation induced alterations in lipid metabolism of liver and plasma by AET (S–2, aminoethyl isothiuronium Br. H. Br.) and serotonin in rats. Ramanathan R, et al. **Strahlentherapie** 150(4):433–43, Oct 75

Cerebral arterial spasm. Part 7: In vitro effects of alpha

adrenergic agents on canine arteries from six anatomical sites and six blocking agents on serotonin-induced contractions of the canine basilar artery. Allen GS, et al. **Surg Neurol** 6(2):63–70, Aug 76

Quantitative in vitro vasoactivity of 5-hydroxytryptamine on the human basilar artery. Yashon D, et al. **Surg Neurol** 3(6):295–300, Jun 75

[The effect of serotonin on the release of free fatty acids from human and rat adipose tissue (author's transl)] Rath R, et al. **Bratisl Lek Listy** 64(1):58–63, Jul 75 (Eng. Abstr.) **(Cze)**

[Action of inosine and of inosine cyclic monophosphate alone or in combination with 5-hydroxytryptamine on 3 stages of energy metabolism in sections of the rat cerebral cortex] Laborit H, et al. **Agressologie** 15(6):377–80, 1974 (Eng. Abstr.) **(Fre)**

[Interaction of tricyclic antidepressants with noradrenaline and 5-hydroxytryptamine in peripheral preparations of the rat] Van Dorsser W, et al. **Arch Int Pharmacodyn Ther** 220(1):164–76, MAR 76 (Eng. Abstr.) **(Fre)**

[Effect of 5-HT on insect cardiac activity in vivo] Roussel JP. **Arch Int Physiol Biochim** 83(2):293–7, May 75 (Eng. Abstr.) **(Fre)**

[Mesentery capillary barrier in rats injected intravascularly with ascitic Zajdela hepatoma. III. Effect of serotonin and histamine on the extravasation of the tumor] Mouton Y, et al. **C R Soc Biol (Paris)** 169(4):974–8, 1975 (Eng. Abstr.) **(Fre)**

[Relationship between current and voltage in neuromembranes measured by a generator of long-term triangular current] Takeuchi H, et al. **C R Soc Biol (Paris)** 169(4):1116–20, 1975 (Eng. Abstr.) **(Fre)**

[Influence of mediopreoptic stimulation on temperature regulation in rats before and after serotonin injection] Gorynia I, et al. **Acta Biol Med Ger** 34(1):67–78, 1975 (Eng. Abstr.) **(Ger)**

[Effect of repeated serotonin injections on temperature regulation in the rat] Gorynia I, et al. **Acta Biol Med Ger** 34(1):53–65, 1975 (Eng. Abstr.) **(Ger)**

[Changes in some enzyme activities of the rat heart, liver and kidney after administration of 5-HT. I.] Brizzi G, et al. **Boll Soc Ital Biol Sper** 50(23–24):2036–41, 30 Dec 74 **(Ita)**

[Changes in some enzyme activities of the rat brain, muscle and spleen after administration of 5-HT. II.] Brizzi G, et al. **Boll Soc Ital Biol Sper** 50(23–24):2042–5, 30 Dec 74 **(Ita)**

[Changes in some enzyme activities in rat organs after administration of 5-HT and hyperbaric treatment at 5 ATA. Note II] Brizzi G, et al. **Boll Soc Ital Biol Sper** 51(11):631–3, 15 Jun 75 **(Ita)**

[Changes in some enzyme activities in rat organs after administration of 5-HT and hyperbaric treatment at 4 ATA. Note I.] Brizzi G, et al. **Boll Soc Ital Biol Sper** 51(11):627–30, 15 Jun 75 **(Ita)**

[Changes in some enzyme activities in rat organs after administration of 5-HT and hyperbaric treatment at 2 ATA] Brizzi G, et al. **Boll Soc Ital Biol Sper** 52(5):329–33, 15 Mar 76 **(Ita)**

[Facilitation of the venoconstrictor action of 5-hydroxytryptamine by ergotamine, methysergide and LSD-25 in humans] Fanciullacci M, et al. **Boll Soc Ital Biol Sper** 51(8):517–22, 15 Apr 75 **(Ita)**

[Effect of 5-HT on the photographic emulsion] Vialli M, et al. **Riv Istochim Norm Patol** 18(1–4):122, 1974 **(Ita)**

[Influence of local administration of serotonin on mitochondrial enzyme activities of rat skeletal muscle and action of anti-inflammatory drugs on it (author's transl)] Arai Y, et al. **J Pharm Soc Jpn** 96(2):132–6, Feb 76 (Eng. Abstr.) **(Jpn)**

[Proceedings: Effects of reserpine, 6-OHDA, L-DOPA and 5-HTP on the development of sex glands in male rats] Matsuyama S. **J Physiol Soc Jpn** 36(8–9):402, 1 Sep 74 **(Jpn)**

[Proceedings: Electric activities of the lateral geniculate body slices and effects of serotonin] Yamamoto C. **J Physiol Soc Jpn** 36(8–9):302, 1 Sep 74 **(Jpn)**

[Proceedings: Differences between the effects of non-adrenergic inhibitory nerve stimulation and relaxation produced by adenine nucleotide and serotonin (5-HT) in the rectum and colon of the chicken] Okada T, et al. **Jpn Arch Intern Med** 11(4):274–5, Dec 75 **(Jpn)**

[The central action of intraventricular 5-hydroxytryptamine in the rat (author's transl)] Kleinrok Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:277–83, 1975 (Eng. Abstr.) **(Pol)**

[Influence of the substitution of potassium chloride by lithium chloride or TRIS on the isolated rat jejunum sensitivity to acetylocholine and 5-hydroxytryptamine and the isolated heart sensitivity to noradrenaline (author's transl)] Kleinrok Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:255–61, 1975 (Eng. Abstr.) **(Pol)**

[Reactivity of isolated rat myometrium to oxytocin, bradykinin and serotonin in the presence of prostaglandin F-2 alpha] Malofiejew M, et al. **Ginekol Pol** 47(3):273–8, Mar 76 (Eng. Abstr.) **(Pol)**

[Inhibition of thyroid cellular respiration after administration of some purine and indole derivatives] Lazăr C, et al. **Stud Cercet Endocrinol** 23(5):321–7, 1972 **(Rum)**

[A pharmacologic analysis of several adrenomimetic effects of serotonin] Arefolov VA, et al. **Biull Eksp Biol Med** 80(11):45–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Specificity and mechanism of serotonin stimulation of adenylate deaminase activity] Gridneva LI, et al. **Biull Eksp Biol Med** 80(10):46–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of serotonin on the potential dependence of muscle fiber endplate current] Magazanik LG, et al. **Dokl Akad Nauk SSSR** 227(5):1268–71, 11 Apr 76 **(Rus)**

[Effect of lithium and cesium ions on the effects of catecholamines and serotonin introduced into the rat hippocampus] Zin'kovskaia LIa, et al. **Farmakol Toksikol** 38(2):135–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The effect of serotonin on bile secretion in dogs] Bogach PG, et al. **Fiziol Zh SSSR** 62(2):283–8, Feb 76 **(Rus)**

[Method of quantitative evaluation of the reactivity of the microvessels to vasoactive substances in patients with hypertensive disease] Dzizinskiĭ AA, et al. **Kardiologiia** 16(5):51–5, MAY 76 (Eng. Abstr.) **(Rus)**

[Effect of serotonin on body rewarming during awakening from hibernation] Popova NK, et al. **Patol Fiziol Eksp Ter** (6):72–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Ability of biogenic monoamines to reduce radiation injury to Ehrlich ascites tumor cells in vitro] Gusareva EV, et al. **Radiobiologiia** 15(6):926–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radioprotective activity and mechanism of action of biogenic monoamines on E. coli B] Konstantinova MM, et al. **Radiobiologiia** 15(6):856–60, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radioprotective activity of serotonin and its analogs in experiments on developing ova of the sea urchin Strongylocentrotus nudus] Parkhomenko IM, et al. **Radiobiologiia** 15(3):440–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Role of direct protection of cells of the hematopoietic system in the antiradiation effects of some biogenic amines on the animal organism] Smirnova IB, et al. **Radiobiologiia** 15(5):680–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Radioprotective effects of serotonin] Vodop'ianova LG, et al. **Radiobiologiia** 15(5):712–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Mechanism of the protective action of acetylcholine and serotonin against their cytotoxic antagonists] Buznikov GA, et al. **Zh Evol Biokhim Fiziol** 11(2):128–33, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Change in neuronal responses to serotonin under the influence of schizophrenic patients serum] Solntseva EI, et al. **Zh Nevropatol Psikhiatr** 76(5):714–7, 1976 (Eng. Abstr.) **(Rus)**

[Serotoninic receptors] Hong E. **Bol Estud Med Biol** Suppl 1:319–25, 1974 **(Spa)**

[Causes of the development of childbirth activity, the pathogenesis of its disorders and the clinical characteristics of childbirth stimulated by means of serotonin] Mykhaĭlenko OT, et al. **Pediatr Akush Ginekol** (5):33–8, 1975 **(Ukr)**

[Effect of serotonin, oxytocin and euphyllin on the blood flow and bioenergetics of the placenta] Radzinskiĭ VE. **Pediatr Akush Ginekol** (3):41–4, May–Jun 75 **(Ukr)**

PHYSIOLOGY

New aspects of the role of serotonin in the insulin release mechanism. Baráth P. **Acta Diabetol Lat** 11(4):315–29, Jul–Aug 74

Inhibitory role of the serotoninergic system in hypoglycaemia-induced growth hormone release in the dog. Müller EE, et al. **Acta Endocrinol (Kbh)** 82(1):71–91, May 76

Behavior and the balance between norepinephrine and serotonin. Ellison GD. **Acta Neurobiol Exp (Warsz)** 35(5–6):499–515, 1975

Effects of benzodiazepines on central serotonergic mechanisms. Stein L, et al. **Adv Biochem Psychopharmacol** (14):29–44, 1975 (34 ref.)

Influence of fluorostigmine on some parameters of the catecholaminergic and serotoninergic systems in the mouse brain. Kleinrok Z, et al. **Arch Immunol Ther Exp (Warsz)** 23(6):769–76, 1975

Tryptophan hydroxylase: activation in vivo following stimulation of central serotonergic neurons. Herr BE, et al. **Biochem Pharmacol** 24(21):2019–23, 1 Nov 75

Possible neurotransmitter role of acetylcholine, 5-hydroxytriptamine and dopamine in Heobania CNS. Eusebi F, et al. **Boll Soc Ital Biol Sper** 52(3):178–83, 15 Feb 76

Passive serum sickness in the mouse: the role of vasoactive amines in glomerular deposition of immune complexes. Ford PM. **Br J Exp Pathol** 57(2):148–51, Apr 76

Proceedings: The interpretation of responses of moto-neurone field potentials to 5-hydroxy-tryptamine. Barasi S, et al. **Br J Pharmacol** 56(3):366P–367P, Mar 76

Evidence concerning the involvement of 5-hydroxytryptamine in the locomotor activity produced by amphetamine or tranylcypromine plus L-DOPA. Green AR, et al. **Br J Pharmacol** 57(1):141–7, May 76

Effects of drugs acting on cerebral 5-hydroxytryptamine mechanisms on dopamine-dependent turning behaviour in mice. Milson JA, et al. **Br J Pharmacol** 56(1):77–85, Jan 76

Effects of 5,7-dihydroxytryptamine on an identified 5-hydroxytryptamine-containing neurone in the central nervous sytem of the snail Helix pomatia. Osborne NN, et al. **Br J Pharmacol** 56(1):29–38, Jan 76

Proceedings: Induced receptors for noradrenaline and serotonin in guinea-pig vas deferens. Reiffenstein RJ, et al. **Br J Pharmacol** 55(2):302P, Oct 75

Serotonin axons in the supra- and subependymal plexuses and in the leptomeninges; their roles in local alterations of cerebrospinal fluid and vasomotor activity. Chan-Palay V. **Brain Res** 102(1):103–30, 30 Jan 76

Histologic and enzymatic studies of the mesolimbic and mesostriatal serotonergic pathways. Geyer MA, et al. **Brain Res** 106(2):241–56, 23 Apr 76

Behavioral studies following lesions of the mesolimbic and mesostriatal serotonergic pathways. Geyer MA, et al. **Brain Res** 106(2):257–69, 23 Apr 76

Activity, avoidance learning and regional 5-hydroxytryptamine following intra-brain stem 5,7-dihydroxytryptamine and electrolytic midbrain raphe lesions in the rat. Lorens SA, et al. **Brain Res** 108(1):97–113, 21 May 76

Strong positive reward in median raphe: specific inhibition by para-chlorophenylalanine. Miliaressis E, et al. **Brain Res** 98(1):194–201, 7 Nov 75

Morphine analgesia: blockade by raphe magnus lesions. Proudfit HK, et al. **Brain Res** 98(3):612–18, 21 Nov 75

Central serotonin and cardiovascular control. Chalmers JP, et al. **Clin Exp Pharmacol Physiol** Suppl 2:195–200, 1975 (32 ref.)

Biogenic amines and acute thermal stress in the rat. Williams BA, et al. **Comp Biochem Physiol [C]** 51(1):67–71, 1 Jun 75

Lack of effect of various endocrine manipulations on tryptophan hydroxylase activity of individual nuclei of the hypothalamus, limbic system, and midbrain of the rat. Kizer JS, et al. **Endocrinology** 98(3):743–7, Mar 76

The effect of mepiprazole on central monoamine neurons. Evidence for increased 5-hydroxytryptamine and dopamine receptor activity. Fuxe K, et al. **Eur J Pharmacol** 35(1):93–108, Jan 76

Role of 5-hydroxytryptamine in prostaglandin E1-induced potentiation of hexobarbitone hypnosis in albino rats. Bhatacharya SK, et al. **Experientia** 32(7):907–8, 1976

New biochemical approaches to the discovery of psychoactive drugs. pp. 3–12. Pletscher A. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.**

Some processes involved in regulating the function of brain 5-hydroxytryptamine. pp. 567–76. Grahame-Smith DG, et al. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.** (21 ref.)

Role of norepinephrine, dopamine and serotonin in reward mechanisms. pp. 57–74. Poschel BP, et al. **In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.**

The role of central aminergic transmission in thermoregulation and hibernation. pp. 64–80. Janský L, et al. **In: Jansky L, Musacchia XJ, ed. Regulation of depressed metabolism and thermogenesis. Springfield, Ill., Thomas, 1976. QT 165 R344 1974.** (42 ref.)

The role of brain monamines in the susceptibility to seizures brought about by chemical and electrical stimulations. pp. 259–72. Pfeifer AK, et al. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

Tonic immobility in chickens: possible involvement of monoamines. Maser JD, et al. **J Comp Physiol Psychol** 89(4):319–28, Jun 75

Neural control of circulation in Aplysia. III. Neurotransmitters. Liebeswar G, et al. **J Neurophysiol** 38(4):767–79, Jul 75

Serotoninergic modulation of the dopamine response from the nucleus accumbens. Costall B, et al. **J Pharm Pharmacol** 28(6):523–6, Jun 76

The involvement of serotoninergic and noradrenergic systems in the compulsive gnawing in mice induced by imipramine and apomorphine. Dadkar NK, et al. **J Pharm Pharmacol** 28(1):68–9, Jan 76

On the direct influence of apomorphine on central serotonin neurons. Grabowska M, et al. **J Pharm Pharmacol** 28(1):64–5, Jan 76

Serotoninergic involvement in the effect of ethanol on body temperature in rats. Pohorecky LA, et al. **J Pharm Pharmacol** 28(2):157–9, Feb 76

Quipazine: a serotoninergic hyperthermic agent in the rabbit. Quock RM, et al. **J Pharm Pharmacol** 28(2):170–2, Feb 76

An inhibitory role for brain serotonin-containing systems in the locomotor effects of d-amphetamine. Hollister AS, et al. **J Pharmacol Exp Ther** 198(1):12–22, Jul 76

Pharmacological evidence for the central serotonergic effects of monomethoxyamphetamines. Menon MK, et al. **J Pharmacol Exp Ther** 197(2):272–9, May 76

Behavioral evidence for supersensitivity following destruction of central serotonergic nerve terminals by 5,7-dihydroxytryptamine. Trulson ME, et al. **J Pharmacol Exp Ther** 198(1):23–32, Jul 76

Proceedings: Synaptic connexions of serotonin-containing neurones in Planorbis corneus. Berry MS, et al. **J Physiol (Lond)** 251(1):2P–3P, Sep 75

Proceedings: Does the giant cerebral neurone of Helix release two transmitters: ACh and serotonin? Cottrell GA. **J Physiol (Lond)** 259(1):44P–45P, Jul 76

Structural correlation between apomorphine and LSD: involvement of dopamine as well as serotonin in the actions of hallucinogens. Nichols DE. **J Theor Biol** 59(1):167–77, Jun 76

Further evidence for a possible excitatory serotonergic synapse on raphe neurons of pons and lower midbrain. Couch JR. **Life Sci** 19(5):761–7, 1 Sep 76

Pharmacologic evidence for a serotonin neural pathway involved in hypothalamus–pituitary–adrenal function in rats. Fuller RW, et al. **Life Sci** 19(3):337–45, 1 Aug 76

Use of genetic analysis to test the potential role of serotonin in alcohol preference. Pickett RA 2d, et al. **Life Sci** 17(8):1291–6, 15 Oct 75

Letter: Facial flushing is not blushing. Wilkin JK. **N Engl J Med** 294(2):116–7, 8 Jan 76

Evidence for a role of central serotonergic neurones in digitalis-induced cardiac arrhythmias. Helke CJ, et al. **Nature** 263(5574):246–8, 16 Sep 76

Is taurine-induced hypothermia in the rat mediated by 5-HT? Sgaragli GP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):179–84, 1975

Serotonergic involvement with neuroleptic catalepsy. Costall B, et al. **Neuropharmacology** 14(11):859–68, Nov 75

Stimulation and inhibition of serotoninergic mechanisms in rat brain: alterations of morphine effects on striatal dopamine metabolism and on motility. Groppe G, et al. **Neuropharmacology** 14(9):659–64, Sep 75

An intracerebral injection study on the role of striatal dopamine and 5-hydroxytryptamine in the production of tremor by harmine. Kelly DM, et al. **Neuropharmacology** 15(5):303–8, May 76

Role of superior colliculus serotonin in the grooming behaviour of cats. Trulson ME. **Neuropharmacology** 15(2):91–7, Feb 76

Lesions in Guddesn's tegmental nuclei produce behavioral and 5-HT effects similar to those after raphe lesions. Lorens SA, et al. **Pharmacol Biochem Behav** 3(4):653–9, Jul–Aug 75

Influence of olfactory bulbectomy and the serotonergic system upon intermale aggression and maternal behavior in the mouse. Neckers LM, et al. **Pharmacol Biochem Behav** 3(4):545–50, Jul–Aug 75

LSD acts synergistically with serotonin depletion: evidence from behavioral studies in cats. Trulson ME, et al. **Pharmacol Biochem Behav** 4(3):231–4, Mar 76

Lesions of the nigro-neostriatal dopamine neurons or the bulbo-spinal norepinephrine and 5-hydroxytryptamine neurons in rats: action of drugs. Andén NE. **Pharmacol Ther [B]** 1(3):371–80, 1975 (51 ref.)

Lesions of the striatopetal dopamine and serotonin pathways: anatomy and chemistry. Poirier LJ, et al. **Pharmacol Ther [B]** 2(1):19–27, 1976 (46 ref.)

Effect of selective lesioning of brain serotonin or catecholamine-containing neurons on the activity of oral steroid contraceptives in rats. Bernasconi S, et al. **Pharmacology** 13(4):356–64, 1975

Monoaminergic mechanisms in aversive brain stimulation. Kiser RS, et al. **Physiol Behav** 15(1):47–53, Jul 75

The role of serotoninergic neurons in rats agressive behaviour. Czlonkowski A, et al. **Pol J Pharmacol Pharm** 27(Suppl):77–82, Oct 75

The influence of phentolamine on the central activity of 5-hydroxytryptamine in rat. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 27(Suppl):99–106, Oct 75

Interactions between serotonergic and catecholaminergic systems in the brain. Kostowski W. **Pol J Pharmacol Pharm** 27(Suppl):15–24, Oct 75 (81 ref.)

The influence of dopaminergic agents on the serotoninergic neurons. Maj J. **Pol J Pharmacol Pharm** 27(Suppl):45–6, Oct 75

The role of 5-HT in the mechanism of amphetamine action. Malec D, et al. **Pol J Pharmacol Pharm** 27(Suppl):155–60, Oct 75

The role of 5-hydroxytryptamine in the mechanism of action of anticonvulsant drugs. Przegaliński E. **Pol J Pharmacol Pharm** 27(Suppl):195–9, Oct 75

Convulsive thresholds and the activity of anticonvulsants in electroseizure test. The role of serotoninergic system. Przegaliński E. **Pol J Pharmacol Pharm** 28(2):143–55, 1976

On some correlations between adrenergic and serotoninergic mechanisms of convulsive-seizure reactivity. Roussinov KS, et al. **Pol J Pharmacol Pharm** 27(Suppl):231–5, Oct 75

On the role of serotonin in aggressive behaviour of ants Genus formica. Tarchalska B, et al. **Pol J Pharmacol Pharm** 27(Suppl):237–9, Oct 75

Stimulatory role for brain serotoninergic system on prolactin secretion in the male rat. Gil-ad I, et al. **Proc Soc Exp Biol Med** 151(3):512–8, Mar 76

Hallucinogenic indoleamines: Preferential action upon presynaptic serotonin receptors. Aghajanian GK, et al. **Psychopharmacol Commun** 1(6):619–29, 1975

Serotonin (5HT) systems in psychotic states. Bowers MB Jr. **Psychopharmacol Commun** 1(6):655–62, 1975

Ontogenesis of serotonergic systems in rat brain. Nair V, et al. **Res Commun Chem Pathol Pharmacol** 14(1):63–73, May 76

[Serotonin in cardiology] Maimunkov K, et al. **Vutr Boles** 14(5):1–11, 1975 (49 ref.) **(Bul)**

[Effect of cerebral serotonin on cyclic LH release in rats] Hery M, et al. **Ann Endocrinol (Paris)** 36(3):123–30, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Biochemical regulation of states of vigilance] Jouvet M. **Int J Neurol** 10(1–4):141–57, 252–8, 1975 (42 ref.) (Eng. Abstr.) **(Fre)**

[Editorial: Monoamines and brain functions (author's transl)] Constantinidis J. **Praxis** 64(2):25–9, 14 Jan 75 **(Fre)**

[Biochemistry of depression] Paasche I. **Psychiatr Neurol Med Psychol (Leipz)** 28(2):65–77, Feb 76 (Eng. Abstr.) **(Ger)**

[The physiological action of serotonin in the brain] Korczyn A, et al. **Harefuah** 90(3):120–3, 1 Feb 76 (53 ref.) **(Heb)**

[Serotonin antagonists and function of the hypothalamo–hypophyseal–adrenocortical system in humans] Bertolini S, et al. **Boll Soc Ital Biol Sper** 51(4):171–7, 28 Feb 75 **(Ita)**

[Role of serotonin in stereotyped movements induced with amphetamine in rats with haloperidol-induced catatonia] Casacchia M, et al. **Boll Soc Ital Biol Sper** 52(10):711–5, 30 MAY 76 **(Ita)**

[Studies of ejaculation. Report 8. Brain monoaminergic systems controlling ejaculation (author's transl)] Kimura Y. **Jpn J Urol** 67(4):274–85, Apr 76 (Eng. Abstr.) **(Jpn)**

[The role of serotonin in the preparatory period for labor] Kurysheva KA, et al. **Akush Ginekol (Mosk)** (11):21–23, Nov 75 (Eng. Abstr.) **(Rus)**

[Participation of the serotonin-reactive brain structure in certain forms of behavior in golden hamsters] Popova NK, et al. **Farmakol Toksikol** 38(2):148–51, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[A change in hippocampal excitability in rabbits of different ages under the influence of serotoninergic system stimulation] Grigor'eva ON. **Fiziol Zh SSSR** 61(9):1318–22, Sep 75 (Eng. Abstr.) **(Rus)**

[Participation of the serotoninergic system of the brain in regulation of emotional reactivity] Allikmets LKh, et al. **Zh Vyssh Nerv Deiat** 25(6):1284–91, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

POISONING

Volvulus of the small bowel. De Souza LJ. **Br Med J** 1(6017):1055–6, 1 May 76

SECRETION

Studies on the role of cyclic 3',5'-adenosine monophosphate in platelet functions with special reference to aggregation and serotonin release of human blood platelets. Ryo R. **Acta Haematol Jpn** 39(1):85–96, Feb 76

In vivo release of 5-HT in the lateral ventricle of the rat: effects of 5-hydroxytryptophan and tryptophan. Ternaux JP, et al. **Brain Res** 101(3):533–48, 23 Jan 76

Bovine fibrinogen-induced 14C-serotonin and other compounds release from human blood platelets. Kubisz P, et al. **Folia Haematol (Leipz)** 102(6):679–89, 1975

Histamine and serotonin release from isolated rat peritoneal mast cells by arginine rich nuclear proteins. Dekio S, et al. **Hiroshima J Med Sci** 23(2–3):97–104, Sep 74

Activation and desensitization of platelets by platelet-activating factor (PAF) derived from IgE-sensitized basophils. I. Characteristics of the secretory response. Henson PM. **J Exp Med** 143(4):937–52, 1 Apr 76

Activation of platelets by platelet-activating factor (PAF) derived from IgE-sensitized basophils. II. The role of serine proteases, cyclic nucleotides, and contractile elements in PAF-induced secretion. Henson PM, et al. **J Exp Med** 143(4):953–68, 1 Apr 76

The effect of oscillatory flow on the release reaction and aggregation of human platelets. Goldsmith HL, et al. **Microvasc Res** 11(3):335–359, May 76

Chemical mediators of anaphylaxis (histamine, 5-HT, and SRS-A) released from horse lung and leukocytes in vitro. Burka JF, et al. **Res Commun Chem Pathol Pharmacol** 13(3):379–88, Mar 76

Radioimmunoassay measurement of serotonin release following duodenal acidification. Kellum JM Jr, et al. **Surg Forum** 26:386–8, 1975

[Ultrastructural and cytochemical study of the endocrine serotonin secreting cells of the fetal and adult rabbit intestinal mucosa] André MJ, et al. **Bull Assoc Anat (Nancy)** 59(164):83–92, Mar 75 (Eng. Abstr.) **(Fre)**

[Studies on platelet functions of patients with thrombasthenia—with special reference to the effects of prostaglandin E2 on platelet aggregation and serotonin release (author's transl)] Rro R, et al. **Jpn J Clin Hematol** 16(11):1044–9, Nov 75 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Serotonin in complex treatment of uterine and ovarian neoplasms] Baksheev NS, et al. **Akush Ginekol (Mosk)** (8):47–51, Aug 75 (Eng. Abstr.) **(Rus)**

[Use of serotonin in traumatic shock] Bazarevich GIa, et al. **Ortop Travmatol Protez** (9):20–4, Sep 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Imipramine–serotonin induced myopathy. Mendell JR, et al. **Neurology (Minneap)** 26(10):968–74, Oct 76

URINE

Fluctuation of 5-hydroxy-indole compounds in the urine of migrainous patients. Deanović Z, et al. **Biomedicine [Express]** 23(9):346–9, 10 Nov 75

[Direct Quantitative Evaluation of Thin-Layer Chromatograms by Measuring Remission and Fluorescence (author's transl)] **Arzneim Forsch** 26(1):75–8, 1976 (Eng. Abstr.) **(Ger)**

[The content of free serotonin in urine after resection of part of the gastro–intestinal–tract (author's transl)] Dunzendorfer U, et al. **Z Klin Chem Klin Biochem** 13(12):575–6, Dec 75 (Eng. Abstr.) **(Ger)**

[Studies on materno-fetal malnutrition. 1. Low urinary serotonin excretion as an index of malnutrition (author's transl)] Sobrevilla LA, et al. **Reproduccion** 1(4):343–52, Oct–Dec 74 (Eng. Abstr.) **(Spa)**

SEROTYPING

Immunotyping and pyocin typing of Pseudomonas aeruginosa from clinical specimens. Kurup VP, et al. **Am J Clin Pathol** 65(4):557–63, Apr 76

Terminal dilution purification of adenovirus prototypes, and the antigenic relationship between types 4, 16 and 14. Wigand R. **Arch Virol** 49(4):323–8, 1975

Freeze drying of histocompatibility typing sera. Kroener CA, et al. **Cryobiology** 12(4):397–404, Aug 75

Serological studies of Actinomyces israelii by crossed immunoelectrophoresis: taxonomic and diagnostic applications. Holmberg K, et al. **Infect Immun** 12(2):398–403, Aug 75

Serotyping and biotyping of 160 Escherichia coli strains: comparative study. Van Der Waaij D, et al. **J Clin Microbiol** 1(2):237–8, Feb 75

The importance of agglutinin production in mice in the determination of the definitive serotype of Bordetella pertussis. Bronne-Shanbury CJ. **J Hyg (Camb)** 76(2):257–64, Apr 76

Reconstitution of the somatic (O–) antigenic scheme for Providencia and preparation of O-typing antisera. Penner JL, et al. **J Infect Dis** 133(3):283–92, Mar 76

Special Escherichia coli serotypes among enterotoxigenic strains from diarrhoea in adults and children. Orskov F, et al. **Med Microbiol Immunol (Berl)** 162(2):73–80, 1 Jun 76

Proceedings: Leishmanial serotypes: a preliminary report on strains from Sudan, Ethiopia and Kenya. Schnur LF, et al. **Trans R Soc Trop Med Hyg** 69(4):434–5, 1975

A loop-structure in the serological classification system of tymoviruses. Koenig R. **Virology** 72(1):1–5, 1 Jul 76

Difficulties encountered in the large-scale production of blood–grouping sera from human citrated plasma. Moghaddam M, et al. **Vox Sang** 30(4):315–6, 1976

[Second isolation of a enteropathogenous Escherichia coli O 144 serotype in Czechoslovakia (author's transl)] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(3):177–9, May 75 (Eng. Abstr.) **(Cze)**

[Distribution of subtype (D and Y) in Australia–antigen (AuAg)-positive hepatopathies] Kindler U, et al. **Med Welt** 26(37):1635–7, 12 Sep 75 **(Ger)**

[Serotypes of Escherichia coli isolated from clinical specimens – with special reference to stains isolated in urinary tracts infections] Kobayashi A. **J Jpn Assoc Infect Dis** 50(1):4–9, Jan 76 (Eng. Abstr.) **(Jpn)**

[Serological typing of Staphylococcus epidermidis —comparison between human and bovine strains] Takahashi M, et al. **Jpn J Bacteriol** 29(6):827–37, Nov 74 (Eng. Abstr.) **(Jpn)**

[Method of preparation of paper bands for determination of niacin in Mycobacterium tuberculosis] Barauskene LP, et al. **Lab Delo** (10):633, 1975 **(Rus)**

[Characteristics and experience in the use of Soviet-collected typing serums in bone marrow transplantation] Zaretskaia IuM, et al. **Probl Gematol Pereliv Krovi** 20(12):917, Dec 75 (Eng. Abstr.) **(Rus)**

[Yersiniosis enterocolitica serotype 9 in northern Sweden] Burman LA, et al. **Lakartidningen** 72(48):4746–7, 26 Nov 75 **(Swe)**

METHODS

Grouping of beta-haemolytic streptococci by using coagglutination, precipitation or bacitracin sensitivity. Arvilommi H. **Acta Pathol Microbiol Scand [B]** 84(2):79–84, Apr 76

Comparison of the agglutination and the co-agglutination techniques in T-tying of Streptococcus pyogenes. Haug RH. **Acta Pathol Microbiol Scand [B]** 84(2):109–11, Apr 76

Serotypes of hepatitis B antigen (HBs Ag): the problem of 'new' determinants, as exemplified by 'i'. Bouvier GL, et al. **Am J Med Sci** 270(1):165–71, Jul–Aug 75

Comparative study on two methods for serotyping of Staphylococcus aureus: the Pillet method and the Oeding method. II.–Possible identity between Pillet's antigen 9 and Oeding's antigen h1. Flandrois JP, et al. **Ann Microbiol (Paris)** 126(3):333–42, Oct–Nov 75

Comparison of three methods for grouping streptococci. Hryniewicz W, et al. **J Clin Microbiol** 4(1):28–31, Jul 76

Seroagglutination test for identification of Mycobacterium paratuberculosis. Jarnagin JL, et al. **J Clin Microbiol** 2(3):268–9, Sep 75

Demonstration of the capsular antigens of bovine group B

streptococci by the serum-soft agar method. Kane JA, et al. **J Clin Microbiol** 2(1):35–41, Jul 75

Serogrouping of Bacteroides fragilis subsp. fragilis by the agglutination test. Lambe DW Jr, et al. **J Clin Microbiol** 3(6):586–92, Jun 76

Evaluation of a Proteus rettgeri O-serotyping system for epidemiological investigation. Penner JL, et al. **J Clin Microbiol** 3(4):385–9, Apr 76

Application of counterimmunoelectrophoresis in the identification of Streptococcus pneumoniae in clinical isolates. Sottile MI, et al. **J Clin Microbiol** 2(3):173–7, Sep 75

Micromethod for serotyping strains of Mycobacterium avium. Thoen CO, et al. **J Clin Microbiol** 1(5):469–71, May 75

Identification of streptococci: use of lysozyme and Streptomyces albus filtrate in the preparation of extracts for Lancefield grouping. Watson BK, et al. **J Clin Microbiol** 1(3):274–8, Mar 75

Identification of streptococci: serogrouping by immunofluorescence. Watson BK, et al. **J Clin Microbiol** 1(3):268–73, Mar 75

Serotyping of Pseudomonas aeruginosa isolates from patients with cystic fibrosis of the pancreas. Zierdt CH, et al. **J Clin Microbiol** 1(6):521–6, Jun 75

A new serotyping method for Klebsiella species: development of the technique. Riser E, et al. **J Clin Pathol** 29(4):296–304, Apr 76

A new serotyping method for Klebsiella species: evaluation of the technique. Riser E, et al. **J Clin Pathol** 29(4):305–8, Apr 76

Capillary tube testing and enhancement with 30% Albumin. Crawford MN, et al. **Vox Sang** 30(2):144–8, 1976

Detection of immune anti-A and anti-B allo-antibodies with groupamatic system. Muller A, et al. **Vox Sang** 29(6):464–8, 1975

Studies on serotyping of Neisseria gonorrhoeae. Geizer I. **Zentralbl Bakteriol [Orig A]** 232(2–3):213–20, Jul 75

[Serotyping of Mycobacterium tuberculosis with the aid of niacin reaction] Antipova SI. **Lab Delo** (10):632–3, 1975 **(Rus)**

[Method of serological typing of Vibrios] Krasnova IN. **Lab Delo** (12):732, 1975 **(Rus)**

[Study of the direct immunofluorescence method for the differentiation of trichomonad serotypes] Ryĭgas EM. **Parazitologiia** 9(3):278–84, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Principle of obtaining specific sera for the serotyping of Pseudomonas aeruginosa] Akatova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):51–3, Feb 76 (Eng. Abstr.) **(Rus)**

SEROUS MEMBRANE

EMBRYOLOGY

Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the yolk sac-serosal membrane. Haas HJ, et al. **Anat Rec** 184(2):227–31, Feb 76

SERPASIL see **RESERPINE**

SERRATIA

Sulfamethoxazole-trimethoprim-polymyxin therapy of serious multiply drug-resistant Serratia infections. Thomas FE Jr, et al. **Antimicrob Agents Chemother** 9(2):201–7, Feb 76

Serratia arthritis in heroin users. Ross GN, et al. **J Bone Joint Surg [Am]** 57(8):1158–60, Dec 75

CLASSIFICATION

DNA relatedness among species of Enterobacter and Serratia. Steigerwalt AG, et al. **Can J Microbiol** 22(2):121–37, Feb 76

DRUG EFFECTS

Antimicrobial susceptibility of clinical isolates of gram-negative bacilli. Siebert WT, et al. **South Med J** 68(8):963–9, Aug 75

ENZYMOLOGY

The biosynthesis of folic acid and pteridine cofactor(s) and its regulation. pp. 341–57. Iwai K, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

GROWTH & DEVELOPMENT

Surface balance study of the interaction between microorganisms and lipid monolayer at the air/water interface. Kjelleberg S, et al. **Appl Environ Microbiol** 31(4):609–11, Apr 76

ISOLATION & PURIFICATION

[Letter: Survey on intestinal carriers of Serratia. Possibility of infections of endogenous origin] Denis FA, et al. **Nouv Presse Med** 4(29):2114–5, 13 Sep 75 **(Fre)**

METABOLISM

The rapid differentiation of the Klebsiella-Entero-bacter-Serratia from other enterobacteriaceae on esculin-agar. Tsan YC, et al. **J Formosan Med Assoc** 74(11):734–5, Nov 75

SERRATIA MARCESCENS

Letter: Serratia vertebral osteomyelitis in narcotic addicts. Mintz L, et al. **Ann Intern Med** 83(5):668–9, Nov 75

Studies on the additive effect of polymyxin B and the bactericidal activity of human serum against Serratia marcescens. Traub WH, et al. **Chemotherapy** 21(3–4):189–204, 1975

Characterization of a nosocomially significant, multiple drug-resistant strain of Serratia marcescens. Traub WH, et al. **Chemotherapy** 22(5):297–312, 1976

Host resistance to Serratia marcescens infection: serum bactericidal activity and phagocytosis by normal blood leukocytes. Simberkoff MS, et al. **J Lab Clin Med** 87(2):206–17, Feb 76

A nursery outbreak caused by Serratia marcescens—scalp-vein needles as a portal of entry. Stamm WE, et al. **J Pediatr** 89(1):96–9, Jul 76

First reported successful management of Serratia marcescens bacteremia after open heart surgery in a child. Saxena NC, et al. **J Pediatr Surg** 10(6):935–8, Dec 75 (18 ref.)

Carbenicillin in acute renal failure. Kies BM, et al. **S Afr Med J** 49(52):2151–2, 6 Dec 75

Intraventricular treatment of Serratia marcescens meningitis with gentamicin. Pharmacokinetic studies of gentamicin concentration in one case. Kourtopoulos H, et al. **Scand J Infect Dis** 8(1):57–60, 1976

The role of the nurse epidemiologist in infection control and continuing education. Flower M, et al. **Surg Gynecol Obstet** 141(4):552–4, Oct 75

[Letter: Serratia marcescens septicemia treated by nalidixic acid in perfusion] Courtine JC, et al. **Nouv Presse Med** 5(12):793–4, 20 Mar 1976 **(Fre)**

[Contaminated infusions as cause of nosocomial Serratia marcescens septicaemia in children (author's transl)] Daschner F, et al. **Dtsch Med Wochenschr** 100(45):2324–8, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Serratia marcescens infections in chronic hemodialysis patients] Kröger E, et al. **Z Urol Nephrol** 68(9):657–63, Sep 75 **(Ger)**

[Serratia infections] Shimizu K. **J Jpn Assoc Infect Dis** 49(3):77–9, Mar 75 **(Jpn)**

[Treatment of irradiated guinea pigs with the polysaccharide prodigiozan] Chertkov KS, et al. **Radiobiologiia** 16(1):88–91, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Studies on polysaccharides from Serratia marcescens. II. On the structures of serratigen and serratimannan. Ikekawa T, et al. **Chem Pharm Bull (Tokyo)** 23(1):163–6, Jan 75

Antitumor activity of polysaccharides from Serratia marcescens. Ikekawa T, et al. **Gann** 66(3):317–8, Jun 75

Relationship of structure to function in bacterial endotoxins. IX. Differences in the lipid moiety of endotoxic glycolipids. Ng AK, et al. **J Bacteriol** 126(1):511–5, Apr 76

Studies on group A (phage tail) bacteriocins of Serratia marcescens. VI. Calcium ion-dependent biological activity of subgroup II bacteriocins. Traub WH, et al. **Zentralbl Bakteriol [Orig A]** 234(4):528–35, May 76

Studies on group A (phage tail) bacteriocins of Serratia marcescens. V. Serological characterization of subgroup I and II bacteriocins. Traub WH, et al. **Zentralbl Bakteriol [Orig A]** 234(4):521–7, May 76

CLASSIFICATION

Biochemical and serological characteristics of Serratia marcescens isolated from various clinical and environmental sources. Negut M, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):33–9, Jan–Jun 75

Combined serotyping and biotyping of Serratia marcescens. Rubin SJ, et al. **J Clin Microbiol** 3(6):582–5, Jun 76

DRUG EFFECTS

Sensitivity of hospital strains of Serratia marcescens to aminoglycosides. Vandepitte JM, et al. **Acta Clin Belg** 31(3):153–7, 1976

Letter: Serratia marcescens endocarditis. Sands M, et al. **Ann Intern Med** 85(3):397–8, Sep 76

Activity of minocycline against Acinetobacter calcoaceticus var. anitratus (syn. Herellea vaginicola) and Serratia marcescens. Maderazo EG, et al. **Antimicrob Agents Chemother** 8(1):54–7, Jul 75

Relation of beta-lactamase activity to antimicrobial susceptibility in Serratia marcescens. Tsang JC, et al. **Antimicrob Agents Chemother** 8(3):277–81, Sep 75

In vitro sensitivity of hospital strains of Serratia marcescens to chemotherapeutic agents. Verbist L, et al. **Chemotherapy** 22(1):43–54, 1976

A new type of R plasmid in Serratia marcescens transferring gentamicin, tobramycin, DKB, lividomycin, and kanamycin resistance. pp. 217–22. Knothe H, et al. **In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.**

Similarities between plasmids of the P-incompatibility group derived from different bacterial genera. Stanisich VA, et al. **J Gen Microbiol** 94(2):281–9, Jun 76

Comparison of methods for assessing in vitro antibiotic synergism against Pseudomonas and Serratia. Weinstein RJ, et al. **J Lab Clin Med** 86(5):853–62, Nov 75

Amoxycillin and ampicillin. A comparative study of in vitro sensitivity and induced morphological alterations in Serratia marcescens. Miller MA, et al. **Jpn J Microbiol** 19(3):219–24, Jun 75

Gentamicin-resistant Pseudomonas aeruginosa and Serratia marcescens in a general hospital. Meyer RD, et al. **Lancet** 1(7959):580–3, 13 Mar 76

Radiosensitization of Serratia marcescens by cetylpyridinium chloride. Evidence for membrane-associated events. Redpath JL, et al. **Radiology** 118(3):725–6, Mar 76

[The influence of the antivitamine pyrithiamine on the metabolism of the thiamin-autotrophic Serratia marcescens] Hagedorn H, et al. **Arch Microbiol** 103(1):83–8, 12 Mar 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Functional hybrid enzymes reconstituted from Escherichia coli and Serratia marcescens RNA polymerase subunits. Konze-Thomas B, et al. **Eur J Biochem** 63(2):321–9, 1 Apr 76

Inducible beta-lactamase and R factor-mediated beta-lactamase in Serratia marcescens. pp. 399–408. Ono H, et al. **In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.**

Lysine-sensitive aspartate kinase of Serratia marcescens. Shailaja MS, et al. **Indian J Biochem Biophys** 12(1):17–20, Mar 75

Threonine-sensitive homoserine dehydrogenase of Serratia marcescens. Shailaja MS, et al. **Indian J Biochem Biophys** 12(2):115–9, Jun 75

Effects on specific antibodies on the catalytic activity of L-asparaginase from Serratia marcescens and Escherichia coli. Ferguson DA Jr, et al. **J Bacteriol** 124(1):424–34, Oct 75

Kinetic properties of Serratia marcescens adenosine 5'-diphosphate glucose pyrophosphorylase. Preiss J, et al. **J Bacteriol** 127(1):193–203, Jul 76

Physical properties of L-asparaginase from Serratia marcescens. Stern ML, et al. **J Bacteriol** 125(2):719–27, Feb 76

The hydrolysis of nucleic acid by Serratia marcescens. Tsan YC, et al. **J Formosan Med Assoc** 74(11):736–7, Nov 75

Inositol dehydrogenase from Serratia marcescens. Fawole MO. **Z Allg Mikrobiol** 16(4):327–8, 1976

[Induction of protease synthesis in Serratia marcescens] Loriia ZhK, et al. **Biol Nauki** (6):108–11, 1976 **(Rus)**

GROWTH & DEVELOPMENT

Correlation between generation times and L-threonine dehydratase activities in isoleucine revertants of Serratia marcescens. Komatsubara S, et al. **J Gen Microbiol** 94(2):413–6, Jun 76

IMMUNOLOGY

Selective activation of classical and alternative pathways of human complement by 'promptly serum-sensitive' and 'delayed serum-sensitive' strains of Serratia marcescens. Traub WH, et al. **Infect Immun** 13(5):1343–6, May 76

Functional role of antibody against 'core' glycolipid of Enterobacteriaceae. Young LS, et al. **J Clin Invest** 56(4):850–61, Oct 75

[Antibody detection in infections with Serratia marcescens (author's transl)] Freitag V, et al. **Infection** 3(2):74–7, 1975 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Comparison of methods for differentiating among Serratia marcescens isolated from clinical specimens. Roemisch E, et al. **Am J Clin Pathol** 66(1):96–100, Jul 76

Serratia marcescens endocarditis: a regional illness associated with intravenous drug abuse. Mills J, et al. **Ann Intern Med** 84(1):29–35, Jan 76

[Urinary infections due to Serratia marcescens: clinico-statistical pictures of patients hospitalized in the S. Maria della Scala Hospital in Siena during 1971, 1972, and 1973] Alegente G, et al. **Ann Sclavo** 17(6):833–41, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[On clinical observations of urinary tract infections by Serratia marcescens (author's transl)] Matsuoka S, et al. **Jpn J Urol** 67(6):439–43, Jun 76 (Eng. Abstr.) **(Jpn)**

METABOLISM

Incorporation of proline into prodigiosin by a Put mutant of Serratia marcesens. Lim DV, et al. **Appl Environ Microbiol** 31(5):738–42, May 76

Macromolecular syntheses during biosynthesis of prodigiosin by Serratia marcescens. Williams RP, et al. **Appl Environ Microbiol** 31(1):70–7, Jan 76

Effects of three environmental variables on sulfate uptake by aerobic bacteria. Monheimer RH. **Appl Microbiol** 30(6):975–81, Dec 75

The reversal of glucose repressed prodigiosin production in Serratia marcescens by the cyclic 3'5'-adenosine monophosphate inhibitor theophylline. Clements-Jewery S. **Experientia** 32(4):421–2, 15 Apr 76

Inhibition of prodigiosin formation in Serratia marcescens by adenosine triphosphate. Lawanson AO, et al. **Experientia** 32(4):439–40, 15 Apr 76

Evidences for complex formation between polymyxin B and lipopolysaccharides from Serratia marcescens. Tsang JC, et al. **J Antibiot (Tokyo)** 29(7):735–42, Jul 76

L-Norvaline and L-homoisoleucine formation by Serratia marcescens, Kisumi M, et al. **J Biochem (Tokyo)** 79(5):1021–8, May 76

Arginine gene cluster of Serratia marcescens. Matsumoto H, et al. **Jpn J Microbiol** 19(1):35–44, Feb 75

[The influence of thiamin on the physiology of the thiamin-autotrophic Serratia marcescens (author's transl)] Schmidt OR, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):533–40, 1975 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Proceedings: Fast mixing studies on the time scale of the oxygen effect in irradiated bacteria. Maughan RL, et al. **Br J Cancer** 32(6):760–1, Dec 75

Proceedings: Fast repair of oxygen-dependent lethal damage in irradiated bacteria. Maughan RL, et al. **Br J Radiol** 48(576):1045, Dec 75

ULTRASTRUCTURE

Ultrastructural surface alterations of serratia marcescens after exposure to polymyxin B and/or fresh human serum. Traub WH, et al. **Chemotherapy** 22(2):104–13, 1976

SERTOLI CELL TUMOR

Sertoli-cell tumor: report of a case. Lane RM. **J Am Coll Health Assoc** 24(2):88–91, Dec 75

PATHOLOGY

[Structural changes of the basement tubule membrane in the so-called Sertoli cell syndrome (author's transl)] Lüders G. **Arch Dermatol Res** 255(2):193–202, 21 Apr 76 **(Ger)**

[Adenomatoid tumors of the epididymis] Bolis GB. **Lav Ist Anat Istol Patol Perugia** 35(2):57–63, 1975 (Eng. Abstr.) **(Ita)**

VETERINARY

Testicular neoplasia in an intersex dog. Kelly DF, et al. **J Small Anim Pract** 17(4):247–53, Apr 76

Sertoli cell tumours associated with feminization, prostatitis and squamous metaplasia of the renal tubular epithelium in a dog. Lindberg R, et al. **J Small Anim Pract** 17(7):451–8, Jul 76

[Bone-marrow damage due to estrogen in dogs with testicular neoplasms] Kasbohm C, et al. **Tierarztl Prax** 3(2):225–9, 1975 **(Ger)**

SERTOLI CELLS

[Investigations of the morphology and the function of human Sertoli cells (author's transl)] Lüders G. **Dermatologica** 152(3):129–41, 1976 (Eng. Abstr.) **(Ger)**

[Growth and differentiation of Sertoli cells in the procine testis during postnatal ontogenesis] Wrobel KH, et al. **Verh Anat Ges** 69:723–4, 1975 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Isolation and culture of FSH responsive Sertoli cells. Steinberger A, et al. **Endocr Res Commun** 2(3):261–72, 1975

[Membrane specialization in porcine Sertoli cells] Dierichs R, et al. **Verh Anat Ges** 69:845–7, 1975 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Impermeability of sertoli cell junctions to prolonged exposure to peroxidase. Aoki A, et al. **Andrologia** 7(1):63–76, 1975

Demonstration of follicle stimulating hormone (FSH) activity in hypophyseal extracts of various vertebrates by the response of the Sertoli cells of the chick. Ishii S, et al. **Gen Comp Endocrinol** 29(4):506–10, Aug 76

Gonadotrophin-induced changes in the Sertoli cells of the immature mouse testis. Davies AG. **J Reprod Fertil** 47(1):83–5, May 76

METABOLISM

Sertoli cells from immature rats : in vitro stimulation of steroid metabolism by FSH. Welsh MJ, et al. **Biochem Biophys Res Commun** 69(4):936–41, 19 Apr 76

Biochemical actions of follice-stimulating hormone in the sertoli cell of the rat testis. Fakunding JL, et al. **Endocrinology** 98(2):392–402, Feb 76

Proceedings: Stimulation of nuclear protein synthesis in testicular germinal and Sertoli cells by follicle-stimulating hormone. Davies AG, et al. **J Physiol (Lond)** 257(1):18P–19P, May 76

Regulation by FSH and dibutyryl cyclic AMP of the formation of androgen-binding protein in Sertoli cell-enriched cultures. Fritz IB, et al. **J Reprod Fertil** 46(1):17–24, Jan 76

Similarity of responses of cultured Sertoli cells to cholera toxin and FSH. Fritz IB, et al. **Mol Cell Endocrinol** 5(3–4):289–94, Aug-Sep 76

FSH stimulation of DNA synthesis in Sertoli cells in culture. Griswold MD, et al. **Mol Cell Endocrinol** 4(3):139–49, Feb 76

Impaired Sertoli cell function in experimental cryptorchidism in the rat. Hagenas L, et al. **Mol Cell Endocrinol** 4(1):25–34, Dec 75–Jan 76

Biphasic effect of testosterone propionate on Sertoli cell secretory function. Weddington SC, et al. **Mol Cell Endocrinol** 5(1–2):137–45, Jun-Jul 76

Follicle-stimulating hormone stimulates estradiol-17beta synthesis in cultured Sertoli cells. Dorrington JH, et al. **Proc Natl Acad Sci USA** 72(7):2677–81, Jul 75

[Metabolism of testosterone in rat Sertoli cells] Tence M, et al. **C R Acad Sci [D] (Paris)** 280(8):991–4, 24 Feb 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Interactions between Sertoli cells and germ cells. pp. 13–36. Fawcett DW.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Sertoli cells and early testicular differentiation. pp. 1–11. Jost A, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Mechanism of sperm release. pp. 166–86. Burgos MH, et al.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (25 ref.)

Proceedings: Spermatogenesis in a passerine hybrid: phagocytosis by Sertoli cells after absence of synaptonemal complexes. Denehy MA. **J Reprod Fertil** 46(2):505–6, Mar 76

Follicle-stimulating hormone, the Sertoli cell, and spermatogenesis. Means AR, et al. **Recent Prog Horm Res** 32:477–527, 1976 (86 ref.)

RADIATION EFFECTS

Response of the Sertoli cell and stem germ cell to 60Co gamma-radiation (dose and dose rate) in testes of immature rats. Erickson BH, et al. **Biol Reprod** 14(5):641–50, Jun 76

[Reaction of sustentocytes and glandulocytes of the testis to irradiation] Kondratenko VG, et al. **Arkh Anat Gistol Embriol** 68(4):83–6, Apr 75 (Eng. Abstr.) **(Rus)**

SECRETION

Secretion of an FSH-inhibiting factor by cultured Sertoli cells. Steinberger A, et al. **Endocrinology** 99(3):918–21, Sep 76

[Ultrastructure of Sertoli cells in male rats treated with 'misulban' and stilbestrol] Mayer G, et al. **C R Acad Sci [D] (Paris)** 280(25):2877–80, 30 Jun 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The onset of testicular differentiation in the rat: An ultrastructural study. Merchant-Larios H. **Am J Anat** 145(3):319–29, Mar 76

Cell association and surface features in cultures of juvenile rat seminiferous tubules. Eddy EM, et al. **Anat Rec** 185(3):333–58, Jul 76

The Sertoli cell junctional specializations and their relationship to the germinal epithelium as observed after efferent ductule ligation. Ross MH, et al. **Anat Rec** 183(2):267–91, Oct 75

Anchoring device between Sertoli cells and late spermatids in rat seminiferous tubules. Russell L, et al. **Anat Rec** 185(3):259–78, Jul 76

On the morphology of the human Sertoli cells under normal conditions and in patients with impaired fertility. Schulze C, et al. **Andrologia** 8(2):167–78, 1976

Freeze-fracture observations on the intercellular junctions of Sertoli cells and of Leydig cells in the human testis. Nagano T, et al. **Cell Tissue Res** 166(1):37–48, 6 Feb 76

The Sertoli cell occluding junctions and gap junctions in mature and developing mammalian testis. Gilula NB, et al. **Dev Biol** 50(1):142–68, May 76

Human testicular cultures. II. Sertoli cells. Chen AT, et al. **In Vitro** 11(5):313–21, Sep-Oct 75

The ultrastructural relationships between Sertoli cells and spermatogenic cells in the rat. Kaya M, et al. **J Anat** 121(2):279–90, Apr 76

Follicle-stimulating hormone, the Sertoli cell, and spermatogenesis. Means AR, et al. **Recent Prog Horm Res** 32:477–527, 1976 (86 ref.)

[Ultramicroscopic studies on the seminiferous tubule in children from birth to puberty. I. Development and morphology of sertoli cells] Hadžiselimović F, et al. **Verh Anat Ges** 68:149–61, 1974 (Eng. Abstr.) **(Ger)**

[Morphology of the Sertoli cell in man] Schulze C. **Verh Anat Ges** 69:719–22, 1975 (Eng. Abstr.) **(Ger)**

SERUM ALBUMIN

Synalbumin insulin antagonism and protein synthesis. Bajaj JS, et al. **Acta Diabetol Lat** 11(6):428–31, Nov-Dec 74

Synalbumin, its isolation and conservation. McMaster D, et al. **Acta Diabetol Lat** 11(6):423–7, Nov-Dec 74

A comparison between agar gel electrophoresis and CSF serum quotients of IgG and albumin in neurological disease. Olsson JE, et al. **Acta Neurol Scand** 53(4):308–22, Apr 76

Serum protein changes during exposure to ozone. P'an AY, et al. **Am Ind Hyg Assoc J** 37(6):329–34, Jun 76

Osmotic interaction of plasma proteins with interstitial macromolecules. Wiederhielm CA, et al. **Am J Physiol** 231(2):638–41, Aug 76

A statistical method for the estimation of binding parameters in a complex system. Priore RL, et al. **Anal Biochem** 70(1):231–40, Jan 76

Coupling of peptides to albumin with difluorodinitrobenzene. Tager HS. **Anal Biochem** 71(2):367–75, Apr 76

Bisalbuminaemia in a Central European family. Donhoffer H, et al. **Ann Clin Biochem** 13(2):369, Mar 76

Optical properties of bilirubin-serum albumin complexes in aqueous solution. A comparison among albumins from different species. Harmatz D, et al. **Arch Biochem Biophys** 170(2):375–83, Oct 75

Increased penetration of amanitine into hepatocytes when conjugated with albumin. Bonetti E, et al. **Arch Toxicol (Berl)** 35(1):69–73, 30 Jan 76

The interaction of albumin and concanavalin A with normal and sickle human erythrocytes. Rehfeld SJ. **Biochem Biophys Res Commun** 66(2):586–91, 16 Sep 75

A theoretical analysis of the binding of palmitate by human serum albumin. Wosilait WD, et al. **Biochem Biophys Res Commun** 71(2):419–26, 26 Jul 76

Structural differences between albumin A and albumin C of the house mouse, Mus musculus. Petras ML, et al. **Biochem Genet** 14(1–2):67–73, Feb 76

Drug-albumin binding. Lindup WE. **Biochem Soc Trans** 3(5):635–40, 1975

The effect of various treatments in vitro and in vivo on the binding of 125I-labeled anti-rat serum albumin Fab' to rat tissue polyribosomes. McLaughlin CA, et al. **Biochemistry** 15(16):3541–50, 10 Aug 76

Isomerization of prostaglandin H2 into prostaglandin D2 in the presence of serum albumin. Hamberg M, et al. **Biochim Biophys Acta** 431(1):189–83, 22 Apr 76

The fluorescence decay of human serum albumin and its subfractions. Hazan G, et al. **Biochim Biophys Acta** 434(1):144–53, 20 May 76

Comparative studies of human and chicken retinol-binding proteins and prealbumins. Kopelman M, et al. **Biochim Biophys Acta** 439(2):442–8, 9 Aug 76

The interaction between retinol-binding proteins and prealbumins studied by fluorescence polarization. Kopelman M, et al. **Biochim Biophys Acta** 439(2):449–60, 9 Aug 76

Isolation and properties of serum albumin from the house mouse Mus musculus. MacLaren IA, et al. **Biochim Biophys Acta** 427(1):238–50, 18 Mar 76

Spectroscopic studies on the complex formation of suramin with bovine and human serum albumin. Müller WE, et al. **Biochim Biophys Acta** 427(2):465–80, 14 Apr 76

The paradoxical effect of fatty acid on steroid-albumin interaction. Ryan MT, et al. **Biochim Biophys Acta** 427(1):337–49, 18 Mar 76

Copper (II) induced polymerization of human albumin, and its depolymerization by diglycyl-L-histidine: a pH static and ultracentrifugation study. Osterberg R, et al. **Bioinorg Chem** 5(2):149–65, 1975

Fluorescence and stopped-flow studies on the N in equilibrium F transition of serumalbumin. Rudolph R, et al. **Biophys Chem** 3(3):226–33, Jul 75

Changes in the electric dipole vector of human serum albumin due to complexing with fatty acids. Scheider W, et al. **Biophys J** 16(5):417–31, May 76

Immunity and tolerance in vivo to different doses of poly and oligosubstituted DNP-human serum albumin in the rat. Larralde C, et al. **Bol Estud Med Biol** 28(5):143–56, Jan 74

Serum colloidal osmotic pressure in the development of kwashiorkor and in recovery: its relationship to albumin and globulin concentrations and oedema. Coward WA. **Br J Nutr** 34(3):459–67, Nov 75

Serum albumin and transferrin protein-energy malnutrition. Their use in the assessment of marginal undernutrition and the prognosis of severe undernutrition. Reeds PJ, et al. **Br J Nutr** 36(2):255–63, Sep 76

Letter: 'Corrected' calcium concept. **Br Med J** 1(6002):153–4, 17 Jan 76

Letter: A direct thermochemical approach to the digitoxin/albumin interaction. Brock A. **Clin Chem** 21(12):1846, Nov 75

Fluorometric determination of 'albumin-titratable bilirubin' in the jaundiced neonate. McCluskey SB, et al. **Clin Chem** 21(11):1638–43, Oct 75

Freeze-drying of solutions of serum albumin containing dimethylsulfoxide. Greiff D, et al. **Cryobiology** 13(2):201–5, Apr 76

Complete amino acid sequence of human serum albumin. Meloun B, et al. **FEBS Lett** 58(1):134–7, 15 Oct 75

The ClO1 ion as a probe in NMR studies of protein anion binding sites. Reimarsson P, et al. **FEBS Lett** 59(2):158–61, 15 Nov 75

Lysine residue 199 of human serum albumin is modified by acetylsalicyclic acid. Walker JE. **FEBS Lett** 66(2):173–5, 15 Jul 76

Some new bifunctional reagents for the conjugation of a protein with an amino compound in water. Tesser GI, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1625–9, Oct 75

Effects of heating on human serum albumin. pp. 323–32. Cohen P.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Physical and biochemical properties of human albumin. pp. 31–56. Finlayson JS.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975. (125 ref.)

Microbial contamination in albumin. pp. 284–91. Hochstein HD, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
Hepatitis B virus and albumin products. pp. 305–14. Hoofnagle JH, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
Bilirubin binding test as a guide in the evaluation of the severity of neonatal jaundice. Kothari JL, et al. **Indian Pediatr** 12(12):1211–6, Dec 75
Regulation of antibody formation in chickens escaping from tolerance to human serum albumin. Salerno A, et al. **Int Arch Allergy Appl Immunol** 49(4):530–9, 1975
The influence of experimental conditions on the efficiency of labeling human serum albumin with 99mTc, using Sn(II) as the reductant. de Ligny CL, et al. **Int J Appl Radiat Isot** 27(7):351–6, Jul 76
The role of ascorbic acid with the ferric ion in labelling human serum albumin with 99Tc. Yokoyama A, et al. **Int J Appl Radiat Isot** 26(5):291–9, May 75
Heat denaturation of human serum albumin. Migration of bound fatty acids. Brandt J, et al. **Int J Pept Protein Res** 8(1):33–7, 1976
Covalent coupling of bilirubin to albumin. Jacobsen C. **Int J Pept Protein Res** 8(3):295–303, 1976
Fragmentation of rat serum albumin by cyanogen bromide cleavage and the amino acid sequences of four fragments. Isemura S, et al. **J Biochem (Tokyo)** 79(6):1183–96, Jun 76
Positions in human serum albumin which involve the indole binding site. Sequence of 107-residue fragment. Gambhir KK, et al. **J Biol Chem** 250(17):6711–9, 10 Sep 75
Studies on thyroid hormone-binding proteins. II. Binding of thyroid hormones, retinol-binding protein, and fluorescent probes to prealbumin and effects of thyroxine on prealbumin subunit self association. Nilsson SF, et al. **J Biol Chem** 250(21):8554–63, 10 Nov 75
Preliminary x-ray investigation of an orthorhombic crystal form of human plasma albumin. Rao SN, et al. **J Biol Chem** 251(10):3191–3, 25 May 76
A new method for producing proteic coatings. Domurado D, et al. **J Biomed Mater Res** 9(1):109–10, Jan 75
Serum albumin is essential for in vitro growth of activated human lymphocytes. Polet H, et al. **J Exp Med** 142(4):949–59, 1 Oct 75
Terminology for prealbumin loci in the house mouse. Wilcox FH, et al. **J Hered** 67(2):113, Mar–Apr 76
Technetium-99m-human serum albumin: evaluation of a commercially produced kit. Callahan RJ, et al. **J Nucl Med** 17(1):47–9, Jan 76
Labeling of tin-soaked albumin microspheres with 68Ga. Hnatowich DJ. **J Nucl Med** 17(1):57–60, Jan 76
Size distribution of human albumin microspheres by forward scattering of monochromatic light. Padikal TN, et al. **Med Phys** 3(2):69–73, Mar–Apr 76
alpha foetoprotein and serum albumin show sequence homology. Ruoslahti E, et al. **Nature** 260(5554):804–5, 29 Apr 76
Level of SH groups in paraproteinemic sera. Tichý M, et al. **Neoplasma** 22(5):531–4, 1975
Quality control and testing of 99mTc-macroaggregated albumin. Darte L, et al. **Nuklearmedizin** 15(2):80–5, Apr 76
Circular dichroism studies on the interaction of sulfonylureas with bovine and human serum albumin. Müller WE, et al. **Res Commun Chem Pathol Pharmacol** 13(3):551–4, Mar 76
Serum orosomucoid in ulcerative colitis: its relation to clinical activity, protein loss, and turnover of albumin and IgG. Jensen KB, et al. **Scand J Gastroenterol** 11(2):177–83, 1976
Studies on new process procedures in plasma fractionation on an industrial scale. II. Experiments in concentrating dilute albumin solutions using hollow fiber ultrafiltration. Friedli H, et al. **Vox Sang** 31(4):283–8, Oct 76
Letter: Bisalbuminemia Punjab. Stanworth DR. **Vox Sang** 31(2):159, 1976
Hypersensitivity reactions to a methylated bovine serum albumin and human serum albumin in the skin and footpad of mice. Munoz J, et al. **Z Immunitaetsforsch** 146(5):443–53, Apr 74
[Effect of various aromatic-aliphatic acids on the inhibition of denaturation of serum albumin and on the stabilization of the erythrocyte membrane. Quantitative relations between the structure and biological activity] Kuchař M, et al. **Cesk Farm** 25(3–4):105–12, May 76 (Eng. Abstr.) **(Cze)**
[Letter: Transient bisalbuminemia under betalactamines during phalloidine poisoning] Bismuth C, et al. **Nouv Presse Med** 5(27):1696, 3–10 Jul 76 **(Fre)**
[Letter: Relationship between bisalbuminemia and intraperitoneal pancreatic fistula] Gastard J, et al. **Nouv Presse Med** 5(22):1433, 29 May 76 **(Fre)**
[Letter: Bisalbuminemia revealing an intraperitoneal pancreatic fistula] Lamotte-Barrillon S, et al. **Nouv Presse Med** 4(33):2405, 11 Oct 75 **(Fre)**
[Letter: Bisalbuminemia in pancreatitis. Conditions of appearance. Diagnostic implications] Rousseaux J, et al. **Nouv Presse Med** 5(14):929–30, 3 Apr 76 **(Fre)**
[Methemalbuminemia in acute pancreatitis] Giler S, et al. **Harefuah** 89(7):303–6, 1 Oct 75 (Eng. Abstr.) **(Heb)**
[Interaction of human serum albumin with luminol] Buturlakin MS, et al. **Biofizika** 20(6):975–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Relation between fluorescence and circular dichroism of the complex of the fluorescence probe 4-dimethylaminochalcone with serum albumin] Dobretsov GE, et al. **Biofizika** 20(4):581–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Change in the optical rotatory dispersion characteristics of serum albumin of patients with appendicitis and cholecystitis] Bagdasar'ian SN, et al. **Biull Eksp Biol Med** 79(5):57–8, May 75 (Eng. Abstr.) **(Rus)**
[Complex formation of copolymers of 4-vinylpyridine and 4-vinyl-cetylpyridinium bromide with serum albumin] Mustafaev MI, et al. **Dokl Akad Nauk SSSR** 225(3):721–4, 21 Nov 75 **(Rus)**
[Study of the dynamic structure of human serum albumin by the method of spin resonance] Frolov EN, et al. **Mol Biol** 8(6):886–93, Nov–Dec 74 (Eng. Abstr.) **(Rus)**
[Regularities of formation of chlorophyll–human serum albumin functionally active complexes in the aqueous medium] Semichaevskiĭ VD. **Mol Biol (Mosk)** 9(3):351–60, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Regularities of formation of chlorophyll–human serum albumin functionally active complexes in the aqueous medium] Semichaevskiĭ VD. **Mol Biol (Mosk)** 9(3):351–60, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Study of the albumin complex in the blood serum of rats after parturition and in the postnatal period] Segović R, et al. **Srp Arh Celok Lek** 102(9):675–88, Sep 74 **(Ser)**
[Study of 2 families with bis-albuminemia] Schuller A, et al. **Rev Clin Esp** 141(1):45–9, 15 Apr 76 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

[Kinetics of sulfobromophtalein using albumin-bound BSP (author's transl)] Heimann G, et al. **Klin Wochenschr** 54(9):451–2, 1 May 76 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Field studies of type B hepatitis associated with transfusion of plasma protein fraction. pp. 315–9. Pattison CP, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
Adverse reactions to albumin caused by bacterial contamination. pp. 278–83. Steere AC.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
[Immunologic studies in patients with clinical human albumin incompatibility] Ring J, et al. **Langenbecks Arch Chir** Suppl:411–5, 1975 (Eng. Abstr.) **(Ger)**

ANALYSIS

Concentration of vitamin A, retinol-binding protein and prealbumin in serum in response to stress: A contribution to the prevention of stress ulcers by means of vitamin A. Kasper H, et al. **Acta Hepatogastroenterol (Stuttg)** 22(6):403–8, Dec 75
Determination of ligandin-like proteins and serum albumin by differential spectroscopy with bromsulphophthalein. Sjöholm I, et al. **Acta Pharm Suec** 12(3):253–8, 1975
Serum albumin. A CAP survey. Batsakis JG, et al. **Am J Clin Pathol** 66(1):238–43, Jul 76
Correlation of blood pressure with skinfold thickness and protein levels. Stine OC, et al. **Am J Dis Child** 129(8):905–11, Aug 75
Albumin Yanomama-2, a 'private' polymorphism of serum albumin. Tanis R, et al. **Ann Hum Genet** 38(2):179–90, Oct 74
Subcutaneous interstitial fluid concentrations of albumin and immunoglobulin G in relation to the serum values in normal, hypertensive and diabetic men. Poulsen HL. **Bibl Anat** 13:74–5, 1975
Linkage of the locus for serum albumin in the house mouse, Mus musculus. Nichols EA, et al. **Biochem Genet** 13(9–10):551–5, Oct 75
Chemical structure of two fragments of human serum albumin and their location in the albumin molecule. Bellon F, et al. **Biochem J** 147(3):585–92, Jun 75
Circular dichroism studies on the interaction of four structurally related long-acting sulfonamides with human and bovine serum albumin. Müller W, et al. **Biochem Pharmacol** 25(13):1459–64, 1 Jul 76
Simultaneous determination of albumin and IgG in serum and CSF: comparison of electro-immunodiffusion and immunonephelometry. Schuller E, et al. **Biomedicine [Express]** 23(5):189–92, 10 Jun 75
Current 'corrected' calcium concept challenged. Pain RW, et al. **Br Med J** 4(5997):617–9, 13 Dec 75
Clinical determination of methemalbumin. Andres SF, et al. **Clin Chem** 21(10):1506–10, Sep 75
Improved specificity of serum albumin determination and estimation of 'acute phase reactants' by use of the bromcresol green reaction. Gustafsson JE. **Clin Chem** 22(5):616–22, May 76
Measurement of total protein and albumin in serum with a centrifugal analyzer. Savory J, et al. **Clin Chem** 22(7):1102–4, Jul 76
Letter: Further on light scatter vs. turbidimetry. Tiffany TO. **Clin Chem** 22(3):393–4, Mar 76
A simple cuvette for densitometric scanning of polyacrylamide gel electrophoresis cylinders. Quantitation of aggregates in preparations of human serum albumin. Scherz R, et al. **Clin Chim Acta** 69(3):551–6, 15 Jun 76
Serum protein concentrations and enzyme activities, as functions of age and sex, in Sinclair (S-1) miniature swine. Tumbleson ME, et al. **Growth** 40(1):53–68, Mar 76
Haptoglobin, transferrin and serum albumin variants in the Dayaks of Sarawak. Ganesan J, et al. **Humangenetik** 29(4):281–3, 7 Oct 75
Climate associated variations in the human serum albumin level. Walter H, et al. **Humangenetik** 30(4):331–5, 23 Dec 75
Extended testing of albumin products: endotoxin and kinin activities. pp. 292–304. Mozen MM.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
A study of prealbumin in health and diseases by polyacrylamide gel disc electrophoresis. Helen PL, et al. **Indian J Med Res** 63(2):273–7, Feb 75
A case of bisalbuminaemia: studies on the albumin variant. Hill PG. **Indian J Med Res** 63(6):893–6, Jun 75
Immunochemical analysis of serum-related proteins in the respiratory tract secretions of normal mice. Osebold JW, et al. **Infect Immun** 12(5):1141–6, Nov 75
Cause of incorrect value of albumin in hyperbilirubinemic serum by SMA 12/60 autoanalyzer. Jacob J, et al. **J Med Soc NJ** 72(9):710–1, Sep 75
Normal ranges and diagnostic value of serum albumin and leucine aminopeptidase activity in Egyptian children. Hussein LA, et al. **J Trop Pediatr** 21(6):301–6, Dec 75
Distribution of endogenous albumin in the rat glomerulus: role of hemodynamic factors in glomerular barrier function. Ryan GB, et al. **Kidney Int** 9(1):36–45, Jan 76
Letter: Pitting test and transfusion requirements. Fry EN. **Lancet** 1(7949):40–1, 3 Jan 76
Serum-albumin as a prognostic indicator in oedematous malnutrition. Hay RW, et al. **Lancet** 2(7932):427–9, 6 Sep 75
Letter: Serum-albumin as prognostic indicator in oedematous malnutrition. Hay RW, et al. **Lancet** 1(7964):866, 17 Apr 76
Letter: Serum-albumin in Kwashiorkor. Montgomer RD. **Lancet** 2(7936):667, 4 Oct 75
The characterization of two specific drug binding sites on human serum albumin. Sudlow G, et al. **Mol Pharmacol** 11(6):824–32, Nov 75
Serum total protein and albumin levels in grazing sheep. Roil MR, et al. **NZ Vet J** 22(12):232–6, Dec 74
The concentrations of retinol-binding protein, prealbumin, and transferrin in the sera of newly delivered mothers and children of various ages. Vahlquist A, et al. **Scand J Clin Lab Invest** 35(6):569–75, Oct 75
Neutrophil function in surgical patients: correlation of neutrophil bactericidal function, serum albumin, and sepsis. Dhillon KS, et al. **Surg Forum** 26:27–8, 1975
Colloid oncotic pressure and levels of albumin and total protein during major surgical procedures. Howland WS, et al. **Surg Gynecol Obstet** 143(4):592–6, Oct 76
The rôle of plasma proteins in chronic expansion of plasma volume in tropical splenomegaly syndrome. III. The interrelationships of albumin, immunoglobulins and plasma volume. Crane GG, et al. **Trans R Soc Trop Med Hyg** 69(2):212–20, 1975
Hepatitis B virus and hepatitis B surface antigen in human albumin products. Hoofnagle JH, et al. **Transfusion** 16(2):141–7, Mar–Apr 76
[Mercury fixation in different subfractions of human serum albumin separated by polyacrylamide gel electrophoresis] Cambar J, et al. **Eur J Toxicol Environ Hyg** 8(4):201–4, Jul–Aug 75 (Eng. Abstr.) **(Fre)**
[Letter: Bisalbuminemia in pancreatitis. Conditions of appearance. Diagnostic implications] Rousseaux J, et al. **Nouv Presse Med** 5(14):929–30, 3 Apr 76 **(Fre)**
[The serum prealbumin significance in differential diagnosis of the liver diseases (author's transl)] Gróza S. **Med Klin** 71(9):378–9, 27 Feb 76 (Eng. Abstr.) **(Ger)**
[A comparative study of total protein and albumin in man, monkey, dog and rat employing different analytical methods (author's transl)] Metz A, et al. **Z Klin Chem Klin Biochem** 13(9):423–6, Sep 75 (Eng. Abstr.) **(Ger)**
[Comparison of conventional methods for the determination of albumin, transferrin and ceruloplasmin in serum with immunological reference methods (author's transl)] Schmidt H, et al. **Z Klin Chem Klin Biochem** 13(3):117–21, Mar 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Serum albumin analyzed further by polyacrylamide electrophoresis] Kawaguchi T, et al. **J Physiol Soc Jpn** 36(8–9):366–7, 1 Sep 74 **(Jpn)**
[Standards for the quantitative analysis of human serum albumin (author's transl)] Matsuda N, et al. **Jpn J Clin Pathol** 23(11):889–94, Nov 75 **(Jpn)**
[Dye binding methods for the determination of serum albumin as a screening test of the cellulose acetate electrophoresis (author's transl)] Mizuta W, et al. **Jpn J Clin Pathol** 23(11):884–8, Nov 75 **(Jpn)**
[Some problems of serum protein determination (author's transl)] Tomita S. **Jpn J Clin Pathol** 23(11):873–7, Nov 75 **(Jpn)**
[Genetic polymorphism of transferrins and postalbumins in cattle] Fomicheva II. **Genetika** 9(10):59–66, Oct 73 (Eng. Abstr.) **(Rus)**
[Isoelectric focusing of human serum albumin in the boric-borate-buffer-mannitol system in the multicellular apparatus] Troitskiĭ GV, et al. **Lab Delo** (12):708–12, 1975 **(Rus)**

[Use of the gel filtration method on a thin layer of Sephadex for determining the molecular weight of blood serum albumins] Sorkina DA, et al. **Prikl Biokhim Mikrobiol** 11(5):792–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the amino acid composition of albumin fractions obtained from human serum albumin] Azhyts'kyi HIu, et al. **Ukr Biokhim Zh** 47(1):94–100, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Antigenic composition of prealbumin fraction of bull brain water-soluble proteins] Berezhnyi HA, et al. **Ukr Biokhim Zh** 47(4):411–6, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

[Study of peptide composition in serum albumin in patients with thyroid gland dysfunction] Selivanova KF, et al. **Ukr Biokhim Zh** 47(2):194–8, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

Alpha-Fetoprotein and albumin synthesis during the cell cycle. Tsukada Y, et al. **Ann NY Acad Sci** 259:37–44, 22 Aug 75

Albumin synthesis by liver parenchymal cells isolated from young, adult and old rats. van Bezooijen CF, et al. **Biochem Biophys Res Commun** 71(2):513–9, 26 Jul 76

Compartmentation of albumin and ferritin synthesis in rat liver in vivo. Fern EB, et al. **Biochem J** 156(1):189–92, 15 Apr 76

Hepatic albumin and urea synthesis: The mathematical modelling of the dynamics of [14C]carbonate-derived guanidine-labelled arginine in the isolated perfused rat liver. Tavill AS, et al. **Biochem J** 150(3):495–509, Sep 75

Bilateral adrenalectomy: effect of a single tube-feeding of tryptophan on amino acid incorporation into plasma albumin and fibrinogen in vivo. Jorgensen AJ, et al. **Biochem Med** 13(3):231–40, Jul 75

Localization of vitellogenin and serum albumin in hepatic parenchymal cells of normal and estradiol-treated immature chickens. Wachsmuth ED, et al. **Biochim Biophys Acta** 437(2):454–61, 21 Jul 76

Synthesis of plasma haemopexin, albumin and fibrinogen by the regenerating rat liver. Murray-Lyon IM, et al. **Br J Exp Pathol** 56(3):247–55, Jun 75

Intracellular distribution of alpha-fetoprotein and albumin messenger RNAs in developing mouse liver. Iio T, et al. **Can J Biochem** 54(5):408–12, May 76

Polymorphism in fowl serum albumin-V. Protein synthesis in cell-free systems from regenerating liver of the fowl (Gallus domesticus). Jernigan HM Jr, et al. **Comp Biochem Physiol [B]** 53(1):67–72, 1976

Synthesis rates of albumin and fibrinogen during and after acute hepatitis. Mayer G, et al. **Digestion** 13(5):261–71, 1975

Synthesis rates of albumin and fibrinogen in patients with protein-losing enteropathy and in a patient recovering from protein malnutrition. Schomerus H, et al. **Digestion** 13(4):201–8, 1975

The stimulation of albumin sythesis by methadone. Rothschild MA, et al. **Gastroenterology** 71(2):214–20, Aug 76

Comparative ontogenic dynamics of alpha feto protein and albumin synthesis by the liver cell--a study in the human and rat by immunohistochemical and immunofluorescence techniques. pp. 323–32. Nayak NC, et al. **In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.**

Effect of stirring during fixation upon immunofluorescence. Results with distribution of albumin-producing cells in liver. Horikawa M, et al. **J Histochem Cytochem** 24(8):926–32, Aug 76

An assay for albumin messenger RNA in an vitro protein synthesizing system from wheat germ. Peterson JA. **Nucleic Acids Res** 3(6):1427–36, Jun 76

Enhanced efficiency in uremia in re-use of urea N for serum albumin synthesis. **Nutr Rev** 34(4):110–2, Apr 76 (4 ref.)

Clonal variation in albumin messenger RNA activity in hepatoma cells. Peterson JA. **Proc Natl Acad Sci USA** 73(6):2056–60, Jun 76

[Synthesis of rat serum albumin in Rana ridibunda oocytes] Borovkov AIu, et al. **Dokl Akad Nauk SSSR** 223(3):751–3, 21 Jul 75 **(Rus)**

[Lifetime of mRNA for rat serum albumin] Liubimova EV, et al. **Dokl Akad Nauk SSSR** 226(2):463–6, 11 Jan 76 **(Rus)**

DEFICIENCY

Proceedings: Hypocalcaemia of acute pancreatitis: the effect of hypoalbuminaemia. Imrie CW, et al. **Br J Surg** 63(8):662–3, Aug 76

Analbuminemia in an American Indian girl. Boman H, et al. **Clin Genet** 9(5):513–26, May 76

Hypocalcaemia of acute pancreatitis: the effect of hypoalbuminaemia. Imrie CW, et al. **Curr Med Res Opin** 4(2):101–16, 1976

Proceedings: Hypocalcaemia of acute pancreatitis: the effect of hypoalbuminaemia. Imrie CW, et al. **Gut** 17(5):386, May 76

Letter: Serum-albumin in oedematous malnutrition. Golden MH, et al. **Lancet** 2(7943):1044, 22 Nov 75

Relationship of glomerular filtration rate and hypoalbuminaemia to renal glucose reabsorption. Usberti M, et al. **Proc Eur Dial Transplant Assoc** 12:174–82, 1976

DIAGNOSTIC USE

Radionuclide perfusion lymphangiography. An experimental technique to complement the standard ethiodol lymphangiogram. Steckel RJ, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):600–9, Aug 75

Evaluation and dosimetry of a 99mTc-Sn-MAA lung imaging agent in humans. Robbins PJ, et al. **Health Phys** 30(2):173–8, Feb 76

Rapid and reliable preparation of macroaggregated albumin suitable for lung scintigraphy. Colombetti LG, et al. **Int J Nucl Med Biol** 2(4):180–4, Oct 75

Letter: Measurement of unbound 99mTc in 99mTc-labeled human serum albumin. McLean JR, et al. **J Nucl Med** 17(8):758–9, Aug 76

The effect of carrier technetium in the preparation of 99mTc-human serum albumin. Porter WC, et al. **J Nucl Med** 17(8):704–6, Aug 76

Use of 99mTc-labeled albumin microspheres in cerebral vascular disease. Verhas M, et al. **J Nucl Med** 17(3):170–4, Mar 76

Clinical interest of 99mTc-albumin venous angiocardiography by computer-assisted gamma-camera and linear scan. Abbati A, et al. **Strahlentherapie [Sonderb]** 74:508–13, 1975

Inherent problems in dynamic lung studies. Munkner T. **Strahlentherapie [Sonderb]** 74:403–17, 1975

[Sequential scintigraphy of four different 99mTc human albumen preparations used for lung scanning] Eissner D, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):206–9, Sep 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Cellular events in protein-tolerant inbred rats. III. Antigen-reactive B cells in rats tolerant to human serum albumin. Shand FL, et al. **Cell Immunol** 21(1):20–30, Jan 76

Association of macrophage-activation factor from a human cultured lymphoid cell line with albumin and alpha2-macroglobulin. McDaniel MC, et al. **Clin Immunol Immunopathol** 5(1):91–104, Jan 76

The effect of antilymphocyte globulin (ALG) on precipitin formation to human serum albumin in rabbits. Bednařik T, et al. **Folia Biol (Praha)** 21(3):203–6, 1975

Enrichment of memory cells carrying receptors for a protein antigen (HSA). II. Improved enrichment technique, using BSA density gradient separation. Tanenbaum R, et al. **Immunology** 29(3):409–22, Sep 75

Laboratory and clinical significance of the albumin agglutination phenomenon. pp. 333–7. Holland PV, et al. **In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.**

Production of guinea pig IgG1 homocytotropic antibodies to hapten-conjugated homologous serum albumin with different adjuvant combinations. Wong DT, et al. **Int Arch Allergy Appl Immunol** 50(2):155–63, 1976

Properties and immunochemical reactivities of carboxy-modified human serum albumin. Funding L, et al. **Int J Pept Protein Res** 7(3):245–50, 1975

Immunoadsorbents: non-specific binding of proteins to albumin-sepharose. Heinzel W, et al. **J Immunol Methods** 9(3–4):337–44, 1976

Immunoelectrophoretic 'tailing' of albumin line due to albumin-IgG antibody complexes: a side effect of nitrofurantoin treatment? Teppo AM, et al. **Scand J Immunol** 5(3):249–61, 1976

Another potential source of error in Rh-hr typing. Reid ME, et al. **Transfusion** 15(5):485–8, Sep–Oct 75

[Antigenic structure of a fragment of human serum albumin] Bellon F, et al. **Ann Immunol (Paris)** 126(5–6):653–67, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Immunogenicity of methylated serum albumin] Iwasa S, et al. **Jpn J Bacteriol** 30(1):221, Jan 75 **(Jpn)**

[Molecular aspects of the interaction of albumin and tannined erythrocytes in the process of hemosensitization. II. The effect of temperature] Tsarevskiĭ IuP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):99–103, May 75 (Eng. Abstr.) **(Rus)**

[Molecular aspects of the interaction between albumin and tannin-treated erythrocytes in the process of hemosensitization. Report I. Stable and unstable effects. Quantitative parameters] Tsarevskiĭ IuP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):98–103, Apr 75 (Eng. Abstr.) **(Rus)**

[Change in specific antigen binding by rabbit lymphocytes during immunization with human serum albumin] Tukachinskiĭ SE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):87–91, Jan 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Improved method for removal of albumin from serum affinity chromatography. Aslam S, et al. **Anal Biochem** 75(1):329–35, Sep 76

Hemoglobin & serum albumin: salt-mediated hydrophobic chromatography. Memoli VA, et al. **Biochem Biophys Res Commun** 66(3):1011–6, 6 Oct 75

Isolation and properties of a fragment of human serum albumin demonstrating the absence of a methionine residue from some of the albumin molecules. Lapresle C, et al. **Biochem J** 151(3):637–43, Dec 75

Isolation of albumin from whole human plasma and fractionation of albumin-depleted plasma. Travis J, et al. **Biochem J** 157(2):301–6, 1 Aug 76

Purification and evidence for the identity of chicken plasma and egg yolk retinol-retinol binding protein-prealbumin complex. Heller J. **Dev Biol** 51(1):1–9, 1 Jul 76

The isolation of high purity serum albumin by heat fractionation. pp. 338–42. Schneider W, et al. **In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.**

Preliminary investigations of intrinsic and extrinsic optical activity as purity criterion for human serum albumins. Perrin JH, et al. **J Pharm Sci** 64(9):1508–13, Sep 75

Comparison of methods for separating proteins using bisalbuminemia as a model. Phillips M, et al. **Prep Biochem** 06(04):265–83, 1976

Alternatives for plasma fractionation. Schneider W, et al. **Vox Sang** 31(2):141–51, 1976

[Letter: An alternative method of large scale plasma fractionation for the isolation of serum albumin] Kistler P, et al. **Blut** 31(2):113–6, Aug 75 **(Ger)**

[Letter: Final note on P. Kistler and H. Friedli] Schneider W, et al. **Blut** 31(2):114–6, Aug 75 **(Ger)**

[Possibility of isolation of monomeric immunochemically pure serum albumin] Azhitskiĭ GIu, et al. **Lab Delo** (12):712–4, 1975 **(Rus)**

METABOLISM

Interaction between salicylic acid and indomethacin in binding to human serum albumin. Hultmark D, et al. **Acta Pharm Suec** 12(3):259–76, 1975

Binding of digitoxin to human serum albumin: influence of ionic strength and ionic medium on the digitoxin-albumin complex formation. Brock A. **Acta Pharmacol Toxicol (Kbh)** 37(5):361–8, Nov 75

Binding of digitoxin to human serum albumin: influence of free fatty acids, bile acids, and protein unfolding on the digitoxin-albumin interaction. Brock A. **Acta Pharmacol Toxicol (Kbh)** 38(5):497–507, May 76

Effect of physical training on the permeability of vascular bed to albumin labelled with T-1824. Kirschner H. **Acta Physiol Pol** 27(1):39–46, Jan–Feb 76

Electrophoretic patterns of serum proteins in blue foxes with special reference to changes associated with nosematosis. Mohn SF, et al. **Acta Vet Scand** 16(2):297–306, 1975

Cellular immunity in semistarved states in hospitalized adults. Bistrian BR, et al. **Am J Clin Nutr** 28(10):1148–55, Oct 75

Protein status of the elderly as measured by dietary intake, hair tissue, and serum albumin. Jordan VE. **Am J Clin Nutr** 29(5):522–8, May 76

Protein metabolism in burned rats. Brown WL, et al. **Am J Physiol** 231(2):476–82, Aug 76

Permeability of renal peritubular capillaries to neutral dextrans dextrans and endogenous albumin. Deen WM, et al. **Am J Physiol** 231(2):283–91, Aug 76

Selective transfer of plasma protein across mammary gland in lactating mouse. Gitlin JD, et al. **Am J Physiol** 230(6):1594–1602, Jun 76

Binding of urate by serum proteins. Campion DS, et al. **Arthritis Rheum** 18(6 Suppl):747–9, Nov–Dec 75

Binding of thioridazine and some of its metabolites to human serum protein and human albumin. Belpaire FM, et al. **Arzneim Forsch** 25(12):1969–71, 1975

Protein binding of flavoxate and of 3-methylflavone-8-carboxylic acid. Conti M, et al. **Arzneim Forsch** 25(11):1709–12, Nov 75

Interaction of homopyrimidazole derivatives with biopolymers. I. Binding of MZ 144, a new potent analgesic to human serum albumin. Szekerke M, et al. **Arzneim Forsch** 25(7):1016–21, Jul 75

Interaction of homopyrimidazole derivatives with biopolymers. II. Binding to chemically modified albumins; attempt to correlate chemical structure and binding affinity. Szekerke M, et al. **Arzneim Forsch** 26(4):478–82, Apr 76

Microvascular permeability of albumin in untreated and treated essential hypertension, and during acute induced hypertension. Parving HH. **Bibl Anat** 13:335–8, 1975

Evidence for the coupling of biosynthesis and secretion of serum albumin in the rat. The effect of colchicine on albumin production. Dorling PR, et al. **Biochem J** 29(2):341–8, Nov 74

Displacement of tolbutamide, glibencalmide and chlorpropamide from serum albumin by anionic drugs. Brown KF, et al. **Biochem Pharmacol** 25(10):1175–8, 15 May 76

Uric acid: binding levels of urate ions in normal and uraemic plasma, and in human serum albumin. Farrell PC, et al. **Biochem Pharmacol** 24(20):1885–7, 15 Oct 75

Serum albumin and lipoproteins as the quinidine binding molecules in normal human sera. Nilsen OG. **Biochem Pharmacol** 25(9):1007–12, 1 May 76

The influence of salts and differences in protein isolation procedure on the binding of quinidine to human serum albumin. Nilsen OG, et al. **Biochem Pharmacol** 25(11):1261–6, 1 Jun 76

Thermodynamics of fatty acid anion displacement of warfarin and phenylbutazone from human albumin. Rippie EG. **Biochem Pharmacol** 25(10):1215–6, 15 May 76

Albumin synthesis and catabolism following partial hepatectomy in the rat. The effects of amino acids and adrenocortical steroids on albumin synthesis after partial hepatectomy. Lloyd EA, et al. **Biochim Biophys Acta**

402(1):113–23, 6 Aug 75
The distribution of serum albumin in human normal and degenerate articular cartilage. Snowden JM, et al. **Biochim Biophys Acta** 428(3):726–40, 28 May 76
A study of zinc distribution in human serum. Giroux EL, et al. **Bioinorg Chem** 5(3):211–8, 1976
Effects of goat anti–rat placenta IgG on the in vitro uptake of 125I–labeled human serum albumin by the rat visceral yolk sac. Goetze T, et al. **Biol Neonate** 27(3–4):221–31, 1975
Transendothelial transport of 131I–albumin. Nerem RM, et al. **Biorheology** 13(1):71–7, Feb 76
Competitive binding of bilirubin and other substances to plasma albumin: equilibrium studies in vitro. Brodersen R. **Birth Defects** 12(2):179–83, 1976 (21 ref.)
The effect of pH on albumin–bilirubin binding affinity. Jacobsen J, et al. **Birth Defects** 12(2):175–8, 1976
The binding of bilirubin and other organic anions to serum albumin and ligandin (Y protein). Kamisaka K, et al. **Birth Defects** 12(2):156–67, 1976 (35 ref.)
FLuorescent properties of the bilirubin–albumin complex. Krasner J, et al. **Birth Defects** 12(2):168–74, 1976
The displacement of bilirubin from albumin. Odell GB, et al. **Birth Defects** 12(2):192–204, 1976 (17 ref.)
Proceedings: Methods of evaluating the extravasation of albumin during surgery. Grogono AW. **Br J Anaesth** 48(3):266–7, Mar 76
Bisalbuminaemia. Byrne JP, et al. **Br J Dermatol** 95 Suppl 24:54–5, Jul 76
Prealbumin bearing lymphocytes as an indicator of hapten protein carrier in certain varieties of dermatitis. Husz S, et al. **Br J Dermatol** 93(1):11–5, Jul 75
Distribution of sulfonamides and sulfonamide potentiators between red blood cells, proteins and aqueous phases of the blood of different species. Berneis K, et al. **Chemotherapy** 22(6):390–409, 1976
The albumin binding of unconjugated bilirubin in serum. Griffiths WC, et al. **Clin Biochem** 8(4):254–60, Aug 75
Letter: 'Albumin–titratable bilirubin' as an index to bilirubin binding. Levine RL. **Clin Chem** 22(4):560–1, Apr 76
Binding of 3,5–diiodotyrosine to serum proteins. Bismuth J, et al. **Clin Chim Acta** 69(3):417–22, 15 Jun 76
Albumin, transferrin and the thyroxine–binding prealbumin/retinol–binding protein (TBPA–RBP) complex in assessment of malnutrition. Ingenbleek Y, et al. **Clin Chim Acta** 63(1):61–7, 18 Aug 75
Relationship of epicardial ST segment elevation to the plasma free fatty acid/albumin ratio during coronary occlusion in dogs. Miller NE, et al. **Clin Sci Mol Med** 51(2):209–13, Aug 76
Microvascular permeability to plasma proteins in hypertension and diabetes mellitus in man—on the pathogenesis of hypertensive and diabetic microangiopathy. Parving HH. **Dan Med Bull** 22(6):217–33, Sep 75
High–affinity binding of tetraiodothyroacetic acid by a prealbumin in normal rabbit serum. Burger A, et al. **Endocrinology** 97(4):919–23, Oct 75
Catalysis of the photochemical dismutation of N–methylacridinium cation to N–methylacridone and N–methyl–9, 10–dihydroacridine by hydrophobic sites of horse–liver alcohol dehydrogenase and hyman serum albumin. Einarsson R, et al. **Eur J Biochem** 59(1):295–304, 1 Nov 75
Mechanisms of albumin loss during peritoneal dialysis in man. Bianchi R, et al. **Eur J Clin Invest** 5(5):409–13, 12 Sep 75
Distribution of serum zinc between albumin and alpha2–macroglobulin in patients with decompensated hepatic cirrhosis. Schechter PJ, et al. **Eur J Clin Invest** 6(2):147–50, 31 Mar 76
Increased binding of quinidine to serum albumin and lipoproteins in anuric rats. Nilsen OG, et al. **Eur J Pharmacol** 33(1):131–9, Aug 75
Albumin as the major metal transport agent in blood. Friedberg F. **FEBS Lett** 59(2):140–1, 15 Nov 75
Vascular permeability–increasing action of hypoalbuminemic substance from Ehrlich ascites carcinoma cells. Ueki H, et al. **Gann** 66(3):237–43, Jun 75
Studies of tryptophan and albumin metabolism in a patient with carcinoid syndrome, pellagra, and hypoproteinemia. Swain CP, et al. **Gastroenterology** 71(3):484–9, Sep 76
Chlorothiazide (CTZ) and serum calcium–albumin interaction. Leme CE, et al. **Horm Metab Res** 8(4):326–7, Jul 76
Albumin depletion in uremic patients on conservative management. pp. 237–50. Bianchi R, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Albumin distribution from short–term tracer studies in man. pp. 71–84. Bianchi R, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Increased albumin catabolism in early uremia as a cause of protein depletion. pp. 371–8. Bianchi R, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Albumin turnover in burns and trauma. pp. 403–22. Davies JW.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Nutritional aspects of plasma protein metabolism: the relevance of protein turnover rates during malnutrition and its remission in man. pp. 251–63. James WP, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Albumin and IgG turnover in ulcerative colitis and Crohn's disease. pp. 45–63. Jensen KB, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Genetic control of thyroxine transport. pp. 323–30. Robbins J.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Transport of steroid hormones. pp. 309–22. Vermeulen A.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974. (61 ref.)
The applicability of the deconvolution technique after repeated administration of labelled serum albumin. pp. 99–101. Vitek F.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.
Poly(amino acids) as enhancers in the cellular uptake of macromolecules. pp. 617–28. Ryser HJ.
In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p.
Methods for measurement of the relative saturation of serum albumin with bilirubin in the management of neonatal hyperbilirubinemia. pp. 114–21. Odell GB.
In: Odell GB, et al., ed. Phototherapy in the newborn: an overview. Washington, D.C., National Academy of Sciences, 1974. WB 480 P575 1973. (32 ref.)
Panel discussion: body fluid spaces: quantitations of alterations in the body's fluid spaces. pp. 182–92.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
Lung interstitial protein: studies of lung lymph. pp. 126–34. Brigham KL, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
Albumin distribution. pp. 75–90. Rosenoer VM.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.
Albumin synthesis and albumin degradation. pp. 57–74. Rothschild MA, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975. (107 ref.)
Kernicterus and the binding of bilirubin to albumin. pp. 207–17. Stern L.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.
The role of serum albumin in the hepatic excretion of iodipamide. Song CS, et al. **Invest Radiol** 11(1):39–44, Jan–Feb 76
Affinity labeling of the primary bilirubin binding site of human serum albumin. Kuenzle CC, et al. **J Biol Chem** 251(3):801–7, 10 Feb 76
Binding of the sulfates of estradiol–17beta to human serum albumin and plasma. Rosenthal HE, et al. **J Clin Endocrinol Metab** 41(06):1144–54, Dec 75
Letter: Determination of bilirubin–binding capacity of serum albumin. Krasner J, et al. **J Pediatr** 87(6 Pt 1):1008–10, Dec 75
The effect of paraben preservatives on albumin binding of bilirubin. Rasmussen LF, et al. **J Pediatr** 89(3):475–8, Sep 76
Letter: Competitive binding of plasma albumin by drugs and their vehicles and by bilirubin. Stern L, et al. **J Pediatr** 87(6 Pt 1):1006–7, Dec 75
Gentamicin and albumin–bilirubin binding. An in vivo study. Woods JT, et al. **J Pediatr** 89(3):483–6, Sep 76
Binding of chlorpromazine and imipramine to red cells, albumin, lipoproteins and other blood components. Bickel MH. **J Pharm Pharmacol** 27(10):733–8, Oct 75
Factors affecting the binding of tricyclic tranquillizers and antidepressants to human serum albumin. Sharples D. **J Pharm Pharmacol** 28(2):100–5, Feb 76
Interaction of dantrolene sodium with human serum albumin. Vallner JJ, et al. **J Pharm Sci** 65(6):873–7, Jun 76
Binding study of tetracyclines to human serum albumin using difference spectrophotometry. Zia H, et al. **J Pharm Sci** 65(2):226–30, Feb 76
Prostaglandin–macromolecule interactions. I. Noncovalent binding of prostaglandins A1, E1, F2alpha, and E2 by human and bovine serum albumins. Gueriguian FL. **J Pharmacol Exp Ther** 197(2):391–401, May 76
Maintenance of plasma–derived proteins at much lower concentrations in the uterine lumen of the rabbit: a kinetic study of passage. Kulangara AC. **J Reprod Fertil** 46(1):189–94, Jan 76
Demonstration of immunoreactive retinol–binding protein and prealbumin in developing chicken embryo. Abe T, et al. **Life Sci** 17(10):1579–87, 15 Nov 75
Competition between diftalone and other drugs for the binding site(s) on human serum albumin. Assandri A, et al. **Med Biol** 54(3):187–92, Jun 76
Binding of drugs to serum albumin (first of two parts). Koch–Weser J, et al. **N Engl J Med** 294(6):311–6, 5 Feb 76 (29 ref.)
Drug therapy. Binding of drugs to serum albumin (second of two parts). Koch–Weser J, et al. **N Engl J Med** 294(10):526–31, 4 Mar 76 (33 ref.)
Origin of immunoglobulin–albumin complexes. Hauptman SP, et al. **Nature** 263(5572):64–7, 2 Sep 76
Benzodiazepines: specific competitors for the binding of L–tryptophan to human serum albumin. Müller WE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):17–27, 6 May 75
Changes in serum tryptophan and albumin binding of tryptophan in chlorpromazine–treated chronic schizophrenics on withdrawal and restoration of drug therapy. Bender DA, et al. **Psychol Med** 5(4):397–403, Nov 75
Folic acid binding by human plasma albumin. Soliman HA, et al. **Scand J Clin Lab Invest** 36(3):299–304, May 76
Measurement of albumin extravascular transfer rate and distribution from short term, two tracer studies in man. Bianchi R, et al. **Strahlentherapie [Sonderb]** 74:220–30, 1975
Albumin synthesis, shifts, and transport by the thoracic duct lymph during sepsis. Deysine M, et al. **Surg Forum** 26:8–10, 1975
Drug displacement of warfarin from human serum albumin: a fluorometric analysis. Henry RA, et al. **Toxicol Appl Pharmacol** 33(2):267–75, Aug 75
Adsorption of albumin and fibrinogen to polyethylene in presence of red cells. Brash JL, et al. **Trans Am Soc Artif Intern Organs** 22:253–60, 1976
Proceedings: A comparison of the interactions of pyrantel and morantel with serum albumins. Bababunmi EA, et al. **West Afr J Pharmacol Drug Res** 2(1):93P, Dec 74
[Rodenticidal action of warfarin/4th communication: Binding to serum albumin of mice and rats (author's transl)] von Oettingen U, et al. **Arzneim Forsch** 25(11):1705–6, Nov 75 (Eng. Abstr.) **(Ger)**
[The reciprocal actions of phenprocoumon (Marcumar) with human serum albumin, erythrocytes and blood] Niedner R, et al. **Int J Clin Pharmacol Biopharm** 12(4):446–57, Dec 75 (Eng. Abstr.) **(Ger)**
[In–vitro studies on the effect of drugs on albumin–bilirubin binding] Koslowski H, et al. **Kinderaerztl Prax** 43(2):67–72, Feb 75 **(Ger)**
[Lowering of serum bilirubin following experimental ligation of the bile duct. Affinity–chromatography binding of bilirubin to albumin conjugated with agarose] Lehr L. **Langenbecks Arch Chir** Suppl:19–24, 1975 (Eng. Abstr.) **(Ger)**
[Study on the albumin–bilirubin binding capacity] Wille L, et al. **Monatsschr Kinderheilkd** 123(5):441–2, May 75 **(Ger)**
[Albumin kinetics in superior mesenteric artery shock in rats] Stauch GW, et al. **Nuklearmedizin** 15(3):146–51, Jun 76 (Eng. Abstr.) **(Ger)**
[Proceedings: Studies of the metabolization ability of HSA microspheres] Blottner A, et al. **Radiobiol Radiother (Berl)** 16(1):126, 1975 **(Ger)**
[Effect of an anabolic steroid (methenolone enanthate) on the intra– and extravasal albumin pool in liver cirrhosis] Knöbel H, et al. **Z Gastroenterol** 13(6):583–7, Oct 75 (Eng. Abstr.) **(Ger)**
[Quantitative and qualitative aspects of the interaction of antibiotics with proteins. I. Binding of rifampicin and novobiocin to human blood albumin] Chojnowski W, et al. **Acta Pol Pharm** 33(2):235–8, 1976 (Eng. Abstr.) **(Pol)**
[In vitro binding of pentobarbital sodium—a component of nembutal—to human blood serum albumins] Szaykowski A, et al. **Acta Pol Pharm** 33(2):239–44, 1976 (Eng. Abstr.) **(Pol)**
[Distribution of alpha–fetoprotein and albumin in paraffin sections of cells of Zaidel's ascitic hepatoma] Gusev AI, et al. **Biull Eksp Biol Med** 80(9):80–2, Sep 75 (Eng. Abstr.) **(Rus)**
[Effect of experimental hypothyreosis on glycoprotein fractions and their carbohydrate–containing components in rat blood serum] Kuz'mak NI. **Vopr Med Khim** 21(4):346–51, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Study of prealbumin fraction in the young trophoblast and mature placenta (author's transl)] Dlhoš E, et al. **Bratisl Lek Listy** 65(2):121–4, 1976 (Eng. Abstr.) **(Slo)**
[Characteristics of heterogeneity of serum albumin in heterosis–hybrid chickens] Sorkina DO, et al. **Ukr Biokhim Zh** 48(1):51–7, Jan–Feb 76 **(Ukr)**

PHARMACODYNAMICS

Induction and maintenance of the antibody response by different forms of human serum albumin. Kitces EN, et al. **Immunol Commun** 4(3):275–8, 1975
Identification of albumin as the serum factor essential for the growth of activated human lymphocytes. Spieker–Polet H, et al. **J Biol Chem** 251(4):987–92, 25 Feb 76
Induction of antibodies to nuclear antigens in rabbits by immunization with hydralazine–human serum albumin conjugates. Yamauchi Y, et al. **J Clin Invest** 56(4):958–69, Oct 75
Inhibition by albumin of tryptophan uptake by rat brain. Etienne P, et al. **Nature** 262(5564):144–5, 8 Jul 76
Influence of serum albumin on the fertilizing ability in vitro of rat spermatozoa. Davis BK. **Proc Soc Exp Biol Med** 151(2):240–3, Feb 76
Heparin coupled to albumin, dextran and ficoll: influence on blood coagulation and platelets, and in vivo duration. Teien AN, et al. **Thromb Res** 7(2):273–84, Aug 75
[Circulatory changes during preoperative isovolaemic haemodilution with a mixed solution of hydroxyethyl starch and 5% human albumine. A clinical study (author's transl)] Kraatz J, et al. **Anaesthesist** 24(5):210–5, May 75 (Eng. Abstr.) **(Ger)**
[Study of the interaction of human serum albumin with penicillins by means of spin labels] Kharakhonycheva NV, et al. **Antibiotiki** 20(10):917–21, Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of protein binding of cytotoxic anions in post-traumatic pulmonary insufficiency. Mays ET, et al. **J Trauma** 16(4):290-8, Apr 76

RADIATION EFFECTS

[The fate of heterologous antigen (131I-HSA) in the organs of chickens exposed to total-body X-irradiation before a secondary antigenic stimulus (author's transl)] Prohászka Z, et al. **Radiobiol Radiother (Berl)** 16(3):331-8, 1975

[Radiation-induced binding of oxygen by protein in relation to its concentration] Kharchenko LI, et al. **Dokl Akad Nauk SSSR** 226(6):1465-8, 21 Feb 76 **(Rus)**

SECRETION

A mouse hepatoma cell line which secretes several serum proteins including albumin and alpha-foetoprotein. Szpirer C, et al. **Differentiation** 4(2):85-91, 16 Oct 75

STANDARDS

A study performed on batches of serum albumin used as diluents in Rh testing. A report to the International Society of Blood Transfusion/International Committee for Standardization in Haematology by their albumin working party. **Br J Haematol** 32(2):215-24, Feb 76

[Comparative evaluation of the quality of a solution of placental albumin produced according to various regulations] Karlova NG, et al. **Probl Gematol Pereliv Krovi** 20(11):58-9, Nov 75 **(Rus)**

THERAPEUTIC USE

Albumin products and the bureau of biologics. pp. 22-7. Barker LF.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Respiratory failure and albumin. pp. 164-7. Bushnell LS.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Human serum albumin: historical review. pp. 3-21. Janeway CA.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Use of colloid and crystalloid solutions in open heart surgery: physiologic basis and clinical results. pp. 195-210. Lowenstein E, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

The consumption of albumin at the University Hospital, Lund, Sweden. pp. 239-41. Lundh B, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Oncotic deficit and albumin treatment. pp. 242-52. Lundsgaard-Hansen P.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975. (16 ref.)

Albumin and plasma protein infusion in chronic protein deficiency or loss. pp. 228-38. Mayer K, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Circulatory and respiratory changes following electrolytes or 5% albumin solution in resuscitation. pp. 149-63. Moss GS, et al.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Assessment of suitability of normal human serum albumin and of plasma protein fraction for clinical use. pp. 270-7. Pennell RB.
In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

Variance in albumin loading in exchange transfusions. Chan G, et al. **J Pediatr** 88(4 Pt. 1):609-13, Apr 76

[Letter: Human albumin or plasma for clinical use?] Reinicke V. **Ugeskr Laeger** 138(30):1855-6, 19 Jul 76 **(Dan)**

[Use of a preparation of serum albumin in the complex treatment of patients with true pemphigus] Kutsenko NS. **Vestn Dermatol Venerol** (8):69-71, Aug 75 **(Rus)**

SERUM ALBUMIN, BOVINE

Characterization of fluorescein isothiocyanate. II. Absorption and fluorescence after conjugation to human- and rabbit-gamma-globulin and bovine serum albumin. Steinbach G, et al. **Acta Histochem (Jena)** 55(1):110-23, 1976

Observations on the stability of sample zones in the zonal ultracentrifuge. Halsall HB, et al. **Anal Biochem** 73(1):100-8, 21 May 76

Stability studies on fluorescein isothiocyanate--bovine serum albumin conjugate. Landel AM. **Anal Biochem** 73(2):280-9, Jun 76

Albumin immobilized on agarose as a tool for measuring ligand binding of proteins or peptides. Reed RG, et al. **Anal Biochem** 69(2):361-71, Dec 75

Equilibrium dialysis and circular dichroic analysis of the novobiocin-bovine serum albumin complex. Brand JG, et al. **Arch Biochem Biophys** 174(2):541-5, Jun 75

Optical properties of bilirubin-serum albumin complexes in aqueous solution. A comparison among albumins from different species. Harmatz D, et al. **Arch Biochem Biophys** 170(2):375-83, Oct 75

Displacement of palmitate from albumin by chlorophenoxyisobutyrate. Meisner H. **Biochem Biophys Res Commun** 66(4):1134-40, 27 Oct 75

X-ray photoelectron spectroscopy of BSA and ethyl vinyl sulfone modified BSA. Millard MM, et al. **Biochem Biophys Res Commun** 70(2):445-51, 17 May 76

The interaction between bovine serum albumin and surfactants. Jones MN, et al. **Biochem J** 147(2):229-34, May 75

Interaction of benzodiazepine derivatives with bovine serum albumin-II. Circular dichroism studies. **Biochem Pharmacol** 25(2):147-52, 15Jan 76

Interaction of benzodiazepine derivatives with bovine serum albumin-I Gel filtration studies. Müller WE, et al. **Biochem Pharmacol** 25(2):141-5, 15Jan 76

Limited hydrolysis of bovine plasma albumin at neutral and alkaline pH catalyzed by associated proteinases. Aoki K, et al. **Biochemistry** 14(16):3566-72, 12 Aug 75

Cooperativity of binding of anilinonaphthalenesulfonate to serum albumin induced by a second ligand. Kolb DA, et al. **Biochemistry** 14(20):4476-81, 7 Oct 75

Acetylation of human serum albumin by p-nitrophenyl acetate. Means GE, et al. **Biochemistry** 14(22):4989-94, 4 Nov 75

Fragments of bovine serum albumin produced by limited proteolysis. Conformation and ligand binding. Reed RG, et al. **Biochemistry** 14(21):4578-83, 21 Oct 75

Conformational properties of bovine plasma albumin with a cleaved internal peptide bond. Zurawski VR Jr, et al. **Biochemistry** 14(26):5579-86, 30 Dec 75

Interaction of phosphatidylcholine with bovine serum albumin. Specificity and properties of the complexes. Jonas A. **Biochim Biophys Acta** 427(1):325-36, 18 Mar 76

Spectroscopic studies on the complex formation of suramin with bovine and human serum albumin. Müller WE, et al. **Biochim Biophys Acta** 427(2):465-80, 14 Apr 76

Structural requirements for the action of steroids as quenchers of albumin fluorescence. Romeu AM, et al. **Biochim Biophys Acta** 409(3):376-86, 17 Dec 75

Structural requirements for steroid binding and quenching of albumin fluorescence in bovine plasma albumin. Romeu AM, et al. **Biochim Biophys Acta** 439(1):175-93, 19 Jul 76

The paradoxical effect of fatty acid on steroid-albumin interaction. Ryan MT, et al. **Biochim Biophys Acta** 427(1):337-49, 18 Mar 76

SS-interchanged and oxidized isomers of bovine serum albumin separated by isoelectric focusing. Wallevik K. **Biochim Biophys Acta** 420(1):42-56, 20 Jan 76

Static and dynamic quenching of protein fluorescence. I. Bovine serum albumin. Feldman I, et al. **Biopolymers** 14(2):335-51, Feb 75

Optical property of bovine plasma albumin between 2 and 82 eV. Inagaki T, et al. **Biopolymers** 14(4):839-47, Apr 75

Raman studies of bovine serum albumin. Lin VJ, et al. **Biopolymers** 15(1):203-18, Jan 76

Preferential solvent binding and change in conformation of bovine serum albumin in 2-chloroethanol-water mixed solvents. Maes E. **Biopolymers** 15(2):293-9, Feb 76

Activation of alumina with bovine serum albumin for immobilizing enzymes. Aizawa M, et al. **Biotechnol Bioeng** 17(9):1369-72, Sep 75

Microinjection of thymidine kinase and bovine serum albumin into mammalian cells by fusion with red blood cells. Schlegel RA, et al. **Cell** 5(4):371-9, Aug 75

A quantitative study of ultramicroinjection of macromolecules into animal cells. Wasserman M, et al. **Cell** 7(4):551-6, Apr 76

Application of quenching of albumin-induced fluorescence of 8-anilinonaphthalene-1-sulfonate to the studies on protein bindings and protein-mucopolysaccharide interaction. Kinoshita T, et al. **Chem Pharm Bull (Tokyo)** 22(12):2929-34, Dec 74

The enthalpy of interaction of urea with some globular proteins. Andrade MI, et al. **Eur J Biochem** 66(1):127-31, 15 Jun 76

Charge--transfer interaction involving sulfhydryl groups of bovine serum albumin. Fujimori E. **FEBS Lett** 57(1):37-41, 1 Sep 75

Structural origins of mammalian albumin. Brown JR. **Fed Proc** 35(10):2141-4, Aug 76

Radioimmunoassay of class-specific antibodies (RIACA): chicken antibodies to bovine serum albumin. Viljanen MK, et al. **Immunochemistry** 12(8):699-705, Aug 75

Ultrasonic vibrational potentials in protein solutions. pp. 41-6. Rosenfeld E, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Laser-excited Raman spectroscopy of biomolecules. VIII. Conformational study of bovine serum albumin. Chen MC, et al. **J Am Chem Soc** 98(4):990-2, 18 Feb 76

Letter: Bovine serum albumin as a catalysis. 5. A sensitive assay of the correct refolding of individual fragments of the protein. Taylor R, et al. **J Am Chem Soc** 98(15):4650-1, 21 Jul 76

Letter: Bovine serum albumin as a catalyst. 4. Identification of the active site. Taylor RP. **J Am Chem Soc** 98(9):2684-6, 28 Apr 76

Effect of albumin and methylated albumin on the glucose permeability of lipid membranes. Kitagawa T, et al. **J Biochem (Tokyo)** 79(6):1135-45, Jun 76

Antibody as an immunological probe for studying the refolding of bovine serum albumin. II. Evidence for the independent refolding of the domains of the molecule. Teale JM, et al. **J Biol Chem** 251(15):4609-15, 10 Aug 76

Antibody as an immunological probe for studying the refolding of bovine serum albumin. I. The catalysis of reoxidation of reduced bovine serum albumin by glutathione and a disulfide interchange enzyme. Teale JM, et al. **J Biol Chem** 251(15):4603-8, 10 Aug 76

Prevention of adsorption of protein on controlled-pore glass with amino acid buffer. Mizutani T, et al. **J Chromatogr** 111(1):214-6, 20 Aug 75

The use of bovine serum albumin for H antigen typing in bloodstains. Lang BG. **J Forensic Sci Soc** 16(1):61-6, Jan 76

Preparation and antigenic properties of 5alpha-dihydrotestosterone-7-bovine serum albumin conjugate. Exley D, et al. **J Steroid Biochem** 7(2):109-12, Feb 76

A nuclear magnetic resonance study of the kinetics of the binding of the renal contrast medium acetrizoate to albumin. Rodrigues de Miranda JF, et al. **Mol Pharmacol** 12(2):279-90, Mar 76

The mechanism of energy transfer from poly-p-benzoylphenylacetimido-bovine serum albumin to small-molecule quenchers. Mariano PS, et al. **Photochem Photobiol** 23(3):155-61, Mar 76

Photochemistry of modified proteins. Benzophenone-containing bovine serum albumin. Mariano PS, et al. **Photochem Photobiol** 23(3):147-54, Mar 76

Relationship between bovine serum albumin structure and its chemical equilibria with hydrogen and 5-hydroxytryptamine ions. Petec G, et al. **Physiologie** 12(1):77-80, 1975

Effects of tetraalkylammonium salts on Brdička and presodium curréents of bovine-serum albumin. Kolthoff IM, et al. **Proc Natl Acad Sci USA** 72(8):2863-7, Aug 75

Circular dichroism studies on the interaction of sulfonylureas with bovine and human serum albumin. Müller WE, et al. **Res Commun Chem Pathol Pharmacol** 13(3):551-4, Mar 76

Hypersensitivity reactions to a methylated bovine serum albumin and human serum albumin in the skin and footpad of mice. Munoz J, et al. **Z Immunitaetsforsch** 146(5):443-53, Apr 74

[Binding of mitomycin derivatives to serum albumin. III. Binding to bovine serum albumin investigated by equilibrium partition method (author's transl)] Nakagaki M, et al. **J Pharm Soc Jpn** 94(11):1358-67, Nov 74 (Eng. Abstr.) **(Jpn)**

[Relationships between conformation of antigen and specificity of antibody in radioimmunoassay for steroid hormone. II. Synthesis of 6-hydroxytestosterone 6-hemisuccinate-bovine serum albumin conjugates (author's transl)] Sone H, et al. **J Pharm Soc Jpn** 96(2):199-202, Feb 76 (Eng. Abstr.) **(Jpn)**

[Proceedings: High molecular conformational change of bovine plasma albumin] Ito K, et al. **J Physiol Soc Jpn** 36(8-9):342-3, 1 Sep 74 **(Jpn)**

[Proceedings: The disulfide linkage in bovine plasma albumin] Sakata S, et al. **J Physiol Soc Jpn** 36(8-9) 1 Sep 74 **(Jpn)**

[Binding of SPC-703 and tolbutamide to albumin] Wójcikowski C, et al. **Endokrynol Pol** 27(1):37-43, Jan-Feb 76 (Eng. Abstr.) **(Pol)**

[Fluorescence analysis study of the structural lability of biomembranes and their components. I. Bovine serum albumin] Danilov VS, et al. **Biofizika** 20(5):822-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Need to measure the viscosity of solutions of globular proteins when studying their rotational mobility by the spin probe method] Giul'khandanian GV, et al. **Biofizika** 20(6):972-4, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Fluorescence analysis study of the lability of biomembranes and their components. III. Kinetics of complex formation between bovine serum albumin molecules and higher saturated fatty acids] Orlov SN, et al. **Biofizika** 21(1):75-9, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Study of the kinetic characteristics of the binding of natural fatty acids by serum albumin molecules by the fluorescent probe method] Danilov VS, et al. **Dokl Akad Nauk SSSR** 227(2):486-8, 11 Mar 76 **(Rus)**

[Study of the conformational changes of serum albumin molecules within a pre-denaturation temperature range by a spin probe technique] Kuznetsov AN, et al. **Mol Biol (Mosk)** 9(3):407-14, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Study of the conformational changes of serum albumin molecules within a pre-denaturation temperature range by a spin probe technique] Kuznetsov AN, et al. **Mol Biol (Mosk)** 9(3):407-14, May-Jun 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Recurrent immunogenic interstitial keratitis. Production in the guinea pig by extraocular means. Kopeloff LM. **Arch Pathol Lab® Med** 100(2):74-7, Feb 76

Adjuvant action of capsular polysaccharide of Klebsiella pneumoniae on antibody response. IV. The roles of antigen and adjuvant for induction of primary and secondary antibody responses and for development of immunological memory to bovine serum albumin. Nakashima I, et al. **Jpn J Microbiol** 19(4):277-85, Aug 75

ANALYSIS

A new method for disulfide analysis of peptides. Anderson WL, et al. **Anal Biochem** 67(2):493-502, Aug 75

Circular dichroism studies on the interaction of four structurally related long-acting sulfonamides with human and bovine serum albumin. Müller W, et al. **Biochem Pharmacol** 25(13):1459–64, 1 Jul 76

Fragments of bovine serum albumin produced by limited proteolysis. Isolation and characterization of peptic fragments. Feldhoff RC, et al. **Biochemistry** 14(20):4508–14, 7 Oct 75

The thiol group of bovine serum albumin. High reactivity at acidic pH as measured by the reaction with 2,2'-dipyridyl disulphide. Svenson A, et al. **Biochim Biophys Acta** 400(2):433–8, 19 Aug 75

Changes in lactoferrin, immunoglobulin G, bovine serum albumin, and alpha-lactalbumin during acute experimental and natural coliform mastitis in cows. Harmon RJ, et al. **Infect Immun** 13(2):533–42, Feb 76

Use of controlled-pore glass for adsorption chromatography of proteins. Mizutani T, et al. **J Chromatogr** 120(1):206–10, 12 May 76

DIAGNOSTIC USE

Albumin autoagglutinating phenomenon as a factor contributing to false positive reactions when typing with rapid slide-test reagents. Case J. **Vox Sang** 30(6):441–4, 1976

IMMUNOLOGY

Detection and differentiation of immune complexes and IgG aggregates by a complement consumption assay. Nielsen H, et al. **Acta Pathol Microbiol Scand [C]** 84(4):261–9, Aug 76

Some features of antigen dose–antibody response relationship during the primary anti-BSA response in the chicken. Nagy ZA, et al. **Acta Vet Acad Sci Hung** 25(1):97–104, 1975

Regulation of the secondary antibody response in vitro. III.--inhibitor-containing cells of antigen stimulated rabbit lymph node organ cultures. Ambrose CT. **Ann Immunol (Paris)** 126(1):3–13, Jan 75

Humoral and cellular responses to native antigen following oral and parenteral immunization with lipid-conjugated bovine serum albumin. Lustig JV, et al. **Cell Immunol** 24(1):164–72, 1 Jun 76

Circulating antibodies to bovine albumin in ulcerative colitis and Crohn's disease. Characterization of the antibody response. Falchuk KR, et al. **Gastroenterology** 70(1):5–8, Jan 76

Letter: Serum antibodies to bovine serum albumin in inflammatory bowel disease. Kraft SC, et al. **Gastroenterology** 71(1):178–9, Jul 76

Immunochemistry of serum albumin--II. Isolation and characterization of a fragment from the first third of bovine serum albumin carrying almost all the antigenic reactivity of the protein. Atassi MZ, et al. **Immunochemistry** 13(6):547–55, Jun 76

Precipitating and non-precipitating anti-BSA antibody in mice. Terres G. **Immunochemistry** 12(6–7):467–71, Jul 75

Induction of delayed-type hypersensitivity with BCG-associated proteins. Crum ED, et al. **Immunology** 30(4):497–504, Apr 76

A fragment comprising the last third of bovine serum albumin which accounts for almost all the antigenic reactivity of the native protein. Habeeb AF, et al. **J Biol Chem** 251(15):4616–21, 10 Aug 76

Specific removal of bovine serum albumin (BSA) antibodies in vivo by extracorporeal circulation over BSA immobilized on nylon microcapsules. Terman DS, et al. **J Immunol** 116(5):1337–41, May 76

Development of the capacity to produce specific antibody to an ingested food antigen in the premature infant. Rieger CH, et al. **J Pediatr** 87(4):515–8, Oct 75

Immune response of premature infants to albumin. **Nutr Rev** 34(5):138–40, May 76 (9 ref.)

Further studies on cold insoluble circulating immune complexes in rabbits immunized with bovine albumin. Griswold WR, et al. **Proc Soc Exp Biol Med** 150(2):479–81, Nov 75

[Modulation of delayed hypersensitivity by antibodies] Drach G, et al. **C R Acad Sci [D] (Paris)** 280(9):1193–6, 3 Mar 75 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

A new apparatus for the recovery of macromolecules from polyacrylamide gel slabs following preparative vertical gel electrophoresis. Posner I. **Anal Biochem** 72:491–501, 7 May 76

Methods of isolation, purification and quantitation of bovine immunoglobulins: a technical review. Fey H, et al. **Zentralbl Veterinaermed [B]** 23(4):269–300, May 76

METABOLISM

Molecular transport in thyroid slices. Paiva M, et al. **Biochim Biophys Acta** 419(2):349–57, 21 Jan 76

The effect of manipulation of reticuloendothelial system activity on glomerular deposition of aggregated protein and immune complexes in two different strains of mice. Ford PM. **Br J Exp Pathol** 56(6):523–9, Dec 75

Retrograde axonal transport of exogenous protein in from nerves. Hanson M, et al. **Brain Res** 100(2):458–61, 19 Dec 75

Binding of 3,5-diiodotyrosine to serum proteins. Bismuth J, et al. **Clin Chim Acta** 69(3):417–22, 15 Jun 76

Why some proteins bind steroid hormones: an experimental approach to an fundamental problem. pp. 650–7. Pearlman WH, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Comparison of the rate of absorption and proteolysis of [14C]choleragen and [14C]bovine serum albumin in the rat jejunum. Strombeck DR, et al. **Infect Immun** 12(6):1450–6, Dec 75

Binding of pyridoxal 5'-phosphate to bovine serum albumin and albumin fragments obtained after proteolytic hydrolysis. Localization and nature of the primary PLP binding site. Hilak MC, et al. **Int J Pept Protein Res** 7(5):411–6, 1975

Spontaneous in vivo isomerization of bovine serum albumin as a determinant of its normal catabolism. Wallevik K. **J Clin Invest** 57(2):398–407, Feb 76

Effect of surfactant monomers on chloramphenicol association to an albumin–lecithin complex: a model for modified drug absorption. Alhaique F, et al. **J Pharm Pharmacol** 27(11):811–7, Nov 75

Fluorometric determination of drug–protein association constants: binding of pamaquine by bovine serum albumin. Naik DV, et al. **J Pharm Sci** 64(10):1677–80, Oct 75

Prostaglandin–macromolecule interactions. I. Noncovalent binding of prostaglandins A1, E1, F2alpha, and E2 by human and bovine serum albumins. Gueriguian FL. **J Pharmacol Exp Ther** 197(2):391–401, May 76

Uptake of aggregated albumin by rat macrophages in vitro: affinities of cells for monomeric and aggregated bovine serum albumin. Mehl TD, et al. **J Reticuloendothel Soc** 18(2):125–35, Aug 75

The extent of hydrophobic binding area studied by fatty acid binding to albumin. Rodrigues de Miranda JF, et al. **Mol Pharmacol** 12(3):454–62, May 76

Study on the binding of trichloromonofluoromethane by bovine serum albumin using a fluorescent probe technique. Peng GW, et al. **Pharmacology** 14(1):58–66, 1976

Influence of some salicylates and sulfonamides on binding by albumin of SPC-703 and tolbutamide. Wójcikowski C, et al. **Pol J Pharmacol Pharm** 28(2):129–35, 1976

Uptake of bovine serum albumin by rainbow trout from hypersmotic solutions: a model for vaccinating fish. Amend DF, et al. **Science** 192(4241):793–4, 21 May 76

[Interactions of some parasympatholytics and structurally similar drugs with bovine serum albumin] Wiegand UW, et al. **Arzneim Forsch** 25(6):839–43, Jun 75 (Eng. Abstr.) **(Ger)**

[Studies on the binding of some parasympatholytics to bovine serum albumin/measurement of relaxation times (author's transl)] Wiegand UW, et al. **Arzneim Forsch** 25(7):1008–12, Jul 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Inactivation by detergents of the proline transport system in membrane vesicles from Escherichia coli and its reactivation by bovine serum albumin. Mizushima S. **Biochim Biophys Acta** 419(2):261–70, 21 Jan 76

Influence of albumin on rubella virus hemagglutination and the hemagglutination-inhibition test. Campbell JB, et al. **Can J Microbiol** 21(8):1172–7, Aug 75

Effect of albumin on uncoupling of oxidative phosphorylation by chinoform in rat liver mitochondria. Hagihara M, et al. **Experientia** 31(9):1069–70, 15 SEP 75

Intercellular adhesion of neuroretina chick embryo cells: enhancement by bovine serum albumin and derivates. Cornet M, et al. **FEBS Lett** 60(2):290–3, 15 Dec 75

The effects of gelatin and bovine serum albumin on Ca2+ stimulation of gluconeogenesis in isolalted rat hepatocytes. Elliott KRF. **FEBS Lett** 64(1):62–4, 15 Apr 76

Effects by heme, insulin, and serum albumin on heme and protein synthesis in chick embryo liver cells cultured in a chemically defined medium, and a spectrofluorometric assay for porphyrin composition. Granick S, et al. **J Biol Chem** 250(24):9215–25, 25 Dec 75

Hyperoncotic albumin infusion in experimental glomerulonephritis in rats: A micropuncture study. Allison ME, et al. **Yale J Biol Med** 48(4):277–92, Sep 75

[Increase of intercellular adhesion of chick embryo neuroretina cells by peptides from bovine serum albumin] Cornet M, et al. **C R Acad Sci [D] (Paris)** 281(21):1621–3, 24 Nov 75 **(Fre)**

[Comparative study of some quaternary ammoniums neutralizing agents. Influence of the nature of the bacterial strains used] Cremieux A, et al. **Pathol Biol (Paris)** 23(1):29–33, Jan 75 (Eng. Abstr.) **(Fre)**

[Influence of albumin on the activity of adrenaline and propranolol] Zonta F, et al. **Farmaco [Prat]** 30(11):549–54, Nov 75 (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

Catalysis of electron and electron transfer reactions in micellar and protein systems. pp. 511–23. Grätzel M, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Sensitivity of gelatin and albumin to irradiation at 230 NM. Friedberg F, et al. **Int J Pept Protein Res** 7(3):203–6, 1975

Properties of the ultraviolet-light-mediated binding of bovine serum albumin to DNA. Braun A, et al. **Photochem Photobiol** 21(4):243–7, Apr 75

[Free radical oxidation of biological membrane lipids. VII. Effect of ultraviolet radiation on free radical oxidation of lipids complexed with protein and in biomembranes] Orlov SN, et al. **Biofizika** 21(2):276–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

SERUM ALBUMIN, RADIO-IODINATED

Determination of fractional renal function in renography with and without individually [131I]albumin-determined blood background. Stöckel M, et al. **Scand J Clin Lab Invest** 35(6):511–6, Oct 75

[New method of stroke volume measurements by means of radioactive isotopes] Tishchenko FM, et al. **Kardiologiia** 15(6):103–6, Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Distribution of albumin and a macroprotein (gamma M-immunoglobulin) in rat kidney. p. 188. Rasmussen SN.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

DIAGNOSTIC USE

Evaluation of radioiodinated human serum albumin in the dog for assessment of hemodynamic function. Hood DM, et al. **Am J Vet Res** 37(2):227–8, Feb 76

Determination of the packed cell volume using 131I-human serum albumin. England JM, et al. **Br J Haematol** 30(3):365–70, Jul 75

Use of 125I-labelled albumin for the detection and measurement of delayed-hypersensitivity reactions in the mouse. Franco MF, et al. **J Immunol Methods** 11(1):7–14, 1976

Isotope profile investigations for the detection of venous thrombosis in the legs with the use of 131I-MAA. Pertyński T, et al. **Nucl Med (Stuttg)** 14(3):248–52, 31 Aug 75

[Use of human serum albumin labelled with 131 iodine for exploration of surgical lymphedema of the extremities. Preliminary study] Amar R, et al. **Ann Chir Plast** 21(1):49–61, 1976 (Eng. Abstr.) **(Fre)**

[Study with radiotracers of the influence of pharmaceutic substances on vascular permeability] Da Rocha AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:676–7, 1975 **(Fre)**

[Plasma levels of I 131-HSA in isotope cisternography] Galli G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:294–7, 1975 **(Fre)**

[Clinical study of mechanisms of fixation of radioisotopes in 33 brain lesions by comparative use of I-131 Na and radio-iodinated serum albumin] Gonsette RE, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:284–7, 1975 **(Fre)**

[Animal experimental studies of positive tumor demonstration with radio-iodine labelled albumin macroaggregates] Klinger R, et al. **Nuklearmedizin** 15(2):91–4, Apr 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Myocardial scintigraphy with 131 I-MAA] Konishi H, et al. **Jpn Circ J** 39(7):849, Jul 75 **(Jpn)**

[Articular topogammametry as a diagnostic method in chronic arthropathies of the knee] Ghergulescu N, et al. **Rev Chir [Chir]** 23(9):773–8, Nov–Dec 74 **(Rum)**

METABOLISM

Transfer of 1125-albumin from blood into brain and cerebrospinal fluid in newborn and juvenile rats. Amtorp O. **Acta Physiol Scand** 96(3):399–406, Mar 76

Uptake of 125I albumin by the endothelial surface of the isolated dog common carotid artery: effect of certain physical factors and metabolic inhibitors. Siflinger A, et al. **Cardiovasc Res** 9(4):478–89, Jul 75

Distribution volumes of [131I]albumin, [14C]sucrose, and 36Cl in sheep lung. Selinger SL, et al. **J Appl Physiol** 39(5):773–9, Nov 75

Effects of long-term low protein diet on albumin metabolism in chronic uremia. Bianchi R, et al. **Nephron** 15(6):409–23, 1975

Turnover in humans of iodine- and cobalamin-labeled transcobalamin I and of iodine-labeled albumin. Nexö E, et al. **Scand J Clin Lab Invest** 35(5):391–8, Sep 75

[Problem of penetration of human serum albumin labeled by radioactive iodine from the cerebrospinal fluid into the blood stream] Bartko D, et al. **Cesk Neurol Neurochir** 35(1):9–13, 1972 (Eng. Abstr.) **(Slo)**

SERUM GLOBULINS

Progesterone-binding globulin and testosterone-binding activity in guinea pig serum during pregnancy: relationship to progesterone and oestrogens. Lea OA, et al. **Acta Endocrinol (Kbh)** 81(2):367–78, Feb 76

Serum protein changes during exposure to ozone. P'an AY, et al. **Am Ind Hyg Assoc J** 37(6):329–34, Jun 76

Serum colloidal osmotic pressure in the development of kwashiorkor and in recovery: its relationship to albumin and globulin concentrations and oedema. Coward WA. **Br J Nutr** 34(3):459–67, Nov 75

Incompatibility between C3b and B of guinea-pig and man and its influence on the titration of the alternative pathway factors D and B in these two species. Brade V, et al. **Immunology** 30(2):171–9, Feb 76

Suppression of the primary immune response to keyhole limpet haemocyanin by antimacrophage globulin.

Herscowitz HB, et al. **Immunology** 30(1):25–8, Jan 76

Effect of flufenamate on euglobulin fibrinolysis: involvement of C1-inactivator. pp. 375–84. Kluft C, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Thyroxine–protein interactions. Interaction of thyroxine and triiodothyronine with human thyroxine-binding globulin. Korcek L, et al. **J Biol Chem** 251(12):3558–62, 25 Jun 76

Studies on thyroid hormone-binding proteins. I. The subunit structure of human thyroxine-binding globulin and its interaction with ligands. Nilsson SF, et al. **J Biol Chem** 250(21):8543–53, 10 Nov 75

Steroid–protein interactions. Stopped flow fluorescence studies of the interaction between steroid hormones and progesterone-binding globulin. Stroupe SD, et al.
J Biol Chem 250(22):8735–9, 25 Nov 75

Effect of urokinase upon euglobulin lysis time and thrombin time. Lee TK, et al. **J Formosan Med Assoc** 75(03):190–7, Mar 76

Electrophoretic investigation of L-asparaginase influence on blood and spleen blood globulins. Experimental study. Rabega C, et al. **Rev Roum Med [Med Intern]** 13(2):125–30, 1975

Changes in plasma could-insoluble globulin concentration during experimental Rocky Mountain spotted fever infection in rhesus monkeys. Mosher DF. **Thromb Res** 9(1):37–45, Jul 76

[Euglobulin lysis time method (author's transl)] Kazama M. **Jpn J Clin Pathol** 24(4):316–20, Apr 76 **(Jpn)**

ANALYSIS

The value of the glutaraldehyde and formaldehyde tests in evaluation of the globulin level in bovine blood. Liberg P, et al. **Acta Vet Scand** 16(2):236–43, 1975

Staining and destaining polyacrylamide gels: a comparison of coomassic blue and fast green protein dyes. Bertolini MJ, et al. **Anal Biochem** 71(1):6–13, Mar 76

Isolation and characterization of the testosterone–estradiol-binding globulin from human plasma. Use of a novel affinity column. Rosner W, et al. **Biochemistry** 14(22):4813–20, 4 Nov 75

Variations in serum proteins in leukemia. Kageyama T, et al. **Bull Osaka Med Sch** 21(1):28–33, Jul 75

Serum globulin subfraction variations in liver cirrhosis and hepatoma. Kageyama T, et al. **Bull Osaka Med Sch** 21(2):132–9, Oct 75

Improved direct colorimetric method for the determination of total serum globulins. Neeley WE, et al.
Clin Biochem 8(4):273–8, Aug 75

Radioimmunoassay of thyroxine-binding globulin in human plasma. Hesch RD, et al. **Clin Chim Acta** 70(1):33–42, 1 Jul 76

Serum protein concentrations and enzyme activities, as functions of age and sex, in Sinclair (S-1) miniature swine. Tumbleson ME, et al. **Growth** 40(1):53–68, Mar 76

Remarks on the euglobulin lysis time. pp. 131–49. von Kaulla KN, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Proteochondroitin sulfate A in the euglobulin fraction of human plasma. Endo M, et al. **J Biochem (Tokyo)** 79(1):5–10, Jan 76

Radioimmunoassay for serum thyroxine-binding globulin: results in normal subjects and in patients with hepatocellular carcinoma. Gershengorn MC, et al.
J Clin Endocrinol Metab 42(5):907–11, May 76

Determination of the von Willebrand's disease antigen (factor VIII-related antigen) in plasma by quantitative immunoelectrophoresis. Zimmerman TS, et al.
J Lab Clin Med 86(1):152–9, Jul 75

Immunological studies in children with chronic pulmonary infection. Wesley AG, et al. **S Afr Med J** 50(12):465–8, 20 Mar 76

Changes in blood viscosity and plasma proteins in carcinoma. Tietjen GW, et al. **Surg Forum** 26:166–8, 1975

Antiglobulin test for titration of antilymphocyte globulin. Touraine JL, et al. **Z Immunitaetsforsch** 149(1):28–36, May 75

[Fat globulemia on the background of clinical and laboratory manifestations in the diagnosis of traumatic fat embolism] Kroupa J. **Cas Lek Cesk** 114(25):770–7, 20 Jun 75 (Eng. Abstr.) **(Cze)**

[Plasma and erythrocyte lipids. Relation between globular dystrophies and hepatic lesion in ethylism] Garnier M, et al. **Eur J Toxicol Environ Hyg** 8(5):298–304, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Measurement of thyroxine binding globulin by competitive ligand binding assay (CLBA) (author's transl)] Rudorff KH, et al. **J Clin Chem Clin Biochem** 14(1):31–6, Jan 76 (Eng. Abstr.) **(Ger)**

[Plasminogen and antiplasmin activity in various disorders. Comparison between the method by affinity chromatography and that with euglobulin fraction (author's transl)] Matsumoto M. **Acta Haematol Jpn** 37(6):834–42, Dec 74 (Eng. Abstr.) **(Jpn)**

[Significance of serum antigens and antibodies in obstetrical practice] Vasil'eva ZF, et al. **Akush Ginekol (Mosk)** (7):52–5, Jul 75 **(Rus)**

[Hematological and biochemical indicators in premature infants aged 30 to 90 days] Koeva-Slavkova N, et al.
Vopr Okhr Materin Det 19(4):54–7, Apr 74 **(Rus)**

[Immune serum globulins in acute dysentery in children] Russu GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):138, Sep 75 **(Rus)**

[Measurement of cortisol and corticosteroid binding globulin in normals, pregnant women and patients with liver cirrhósis and mal-absorption syndrome (author's transl)] Fanghänel G, et al. **Rev Invest Clin** 28(02):151–9, Apr–Jun 76 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Hypoglobulinemia in acromegaly. Mims RB, et al.
Horm Metab Res 8(4):295–8, Jul 76

Increased free thyroxine in a euthyroid patient with thyroxine-binding globulin deficiency. Premachandra BN, et al. **J Clin Endocrinol Metab** 42(2):309–18, Feb 76

DIAGNOSTIC USE

[Use of rat estrogen-binding protein in saturation analysis] Polyntsev IuV, et al. **Biol Nauki** (7):129–36, 1975 **(Rus)**

METABOLISM

Renal handling of human beta2-microglobulin in the rat: the importance of sham-operation. Ravnskov U, et al.
Acta Physiol Scand 94(4):467–71, Aug 75

Electrophoretic patterns of serum proteins in blue foxes with special reference to changes associated with nosematosis. Mohn SF, et al. **Acta Vet Scand** 16(2):297–306, 1975

High affinity binding of dexamethasone to chicken plasma proteins: some characteristics of chicken corticosteroid binding globulin. Cochet C, et al.
Comp Biochem Physiol [B] 53(1):73–6, 1976

Antibody competition for plasma protein-bound estriol. Grant JD, et al. **FEBS Lett** 60(1):103–8, 1 Dec 75

Interaction of properdin convertase and properdin in the alternative pathway of complement activation. Spitzer RE, et al. **Immunochemistry** 13(1):15–20, Jan 76

Testosterone–estradiol-binding globulin in patients with Turner's syndrome: effects of estrogens and acute growth hormone administration. Bergink EW, et al.
J Clin Endocrinol Metab 42(6):1018–23, Jun 76

Quantitative determination of sex hormone-binding globulin capacity in the plasma of normal and diabetic pregnancies. De Hertogh R, et al. **J Clin Endocrinol Metab** 42(4):773–7, Apr 76

[Effect of experimental hypothyreosis on glycoprotein fractions and their carbohydrate-containing components in rat blood serum] Kuz'mak NI. **Vopr Med Khim** 21(4):346–51, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stimulation of cholesterol ester exchange by lipoprotein-free rabbit plasma. Zilversmit DB, et al.
Biochim Biophys Acta 409(3):393–8, 17 Dec 75

The influence of C3b inactivator (KAF) concentration on the ability of serum to support complement activation. Lachmann PJ, et al. **Clin Exp Immunol** 21(1):109–14, Jul 75

Binding of morphine by serum globulins from morphine-treated rabbits. I. Induction and measurement of binding. Beranek JT, et al.
Int Arch Allergy Appl Immunol 51(3):298–310, 1976

[Inhibition of gastric secretion in dogs by a serum immunoglobulin from healthy persons (gastroglobin)] Polosatov MV, et al. **Fiziol Zh SSSR** 62(3):466–8, Mar 76 **(Rus)**

PHYSIOLOGY

[Introduction to a study of non protein bound hormones. Dynamics of steroid–protein binding] **Arq Patol** 47(1):9–74, Apr 75 **(Por)**

THERAPEUTIC USE

The control of rheumatic disease by endogenous protein. Lewis DA, et al. **Biochem Pharmacol** 25(12):1435–6, 15 Jun 76

[The clinical use of antilymphocyte globulin (ALG) (author's transl)] Brendel W, et al. **Munch Med Wochenschr** 117(35):1361–8, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Serum globulins as an antiradiation preparation] Shal'nova GA, et al. **Radiobiologiia** 15(5):700–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

SERUM PROTEINS see **BLOOD PROTEINS**

SERUM SICKNESS

Letter: More on serum sickness-like illness and prodromal manifestations of viral hepatitis. Shturman-Ellstein R, et al. **J Pediatr** 89(3):521–2, Sep 76

COMPLICATIONS

Acute serum sickness induced immunologic injury of the choroid plexus; with particular reference to the effect of prednisolone and the nature of the interstitial cell. Choi IN, et al. **Yonsei Med J** 15(2):115–27, 1974

[Serum sickness with pseudolymphomatous lymph node hyperplasia caused by salicylazosulfapyridine] Delage C, et al. **Union Med Can** 104(4):579–84, Apr 75 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

The effects of defibrination with ancrod in experimental allergic glomerular injury. Naish PF, et al.
Clin Exp Immunol 20(2):303–9, May 75

ETIOLOGY

[Clinical aspects of serum sickness] Nowakowski A, et al.
Wiad Lek 29(11):965–8, 1 Jun 76 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Experimental chronic serum sickness in rabbits that received daily multiple and high doses of antigen: a systemic disease. Brentjens JR, et al. **Ann NY Acad Sci** 254:603–13, 30 Jun 75

Demonstration of immunoglobulin containing deposits in glomerular basement membrane in experimental chronic serum sickness using horseradish peroxidase labelled antiserum. Davies DR, et al. **Br J Exp Pathol** 56(1):28–33, Feb 75

Passive serum sickness in the mouse: effect of interstrain differences on glomerular deposition of immune complexes. Ford PM. **Br J Exp Pathol** 56(3):199–204, Jun 75

The effect of renal hydrodynamics on immune complex deposition. Ozawa T, et al. **Experientia** 32(7):933–4, 1976

PATHOLOGY

Accelerated serum sickness in the rabbit. III. Histopathological study of the development of tissue injuries of the heart. Shigematsu H, et al.
Acta Pathol Jpn 26(3):325–39, May 76

Accelerated serum sickness in the rabbit. II. Glomerular ultrastructural lesions in transient proliferative and progressive disorganizing glomerulonephritis. Shigematsu H, et al. **Virchows Arch [Pathol Anat]** 369(4):269–82, 5 Mar 76

PHYSIOPATHOLOGY

Passive serum sickness in the mouse: the role of vasoactive amines in glomerular deposition of immune complexes. Ford PM. **Br J Exp Pathol** 57(2):148–51, Apr 76

PREVENTION & CONTROL

Letter: Toxicity of intravenous Corynebacterium parvum. Ossorio RC, et al. **Lancet** 2(7944):1090–1, 29 Nov 75

SERYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

SERYLTRIHYDROXY BENZYLHYDRAZINE see under **HYDRAZINES**

SESAME OIL

Triglyceride composition of Sesamum indicum seed oil. Sengupta A, et al. **J Sci Food Agric** 27(2):165–9, Feb 76

ADMINISTRATION & DOSAGE

Conditioned taste aversion caused by palatable nontoxic nutrients. Deutsch JA, et al. **Behav Biol** 16(2):161–74, Feb 76

TOXICITY

The toxicity of brominated sesame oil and brominated soybean oil in miniature swine. Farber TM, et al.
Toxicology 5(3):319–36, Mar 76

SESAMEX see under **DIOXOLES**

SESAMOID BONES

Patella cubiti. Report of an operated case. Ahlgren SA, et al. **Acta Orthop Scand** 46(6):931–3, Dec 75

Painful fabella syndrome. Barenfeld PA, et al.
NY State J Med 75(10):1735–6, Sep 75

[Aseptic necrosis of the sesamoid bone in the big toe--occupationally induced?] Trzenschik K.
Beitr Orthop Traumatol 22(3):141–2, Mar 75 **(Ger)**

GROWTH & DEVELOPMENT

Time of appearance of the ossification centre in the metacarpophalangeal sesamoid bone of the thumb in girls during puberty. Szmurlo J, et al. **Folia Morphol (Warsz)** 34(3):259–65, 1975

RADIOGRAPHY

The frequency of the interphalangeal sesamoid of the hallux. A retrospective roentgenographic study. Yanklowitz BA, et al. **J Am Podiatry Assoc** 65(11):1058–63, Nov 75

SESQUITERPENES

Isolation of hymenovin from Hymenoxys richardsonii (pingue) and Dugaldia hoopesii (orange sneezeweed). Ivie GW, et al. **J Agric Food Chem** 24(3):681–2, May–Jun 76

Monoacetoxyscirpenol. A new mycotoxin produced by Fusarium roseum Gibbosum. Pathre SV, et al.
J Agric Food Chem 24(1):97–103, Jan–Feb 76

Crystal structures of the dihydro- and 2alpha-hydroxydihydro-derivatives of phytuberin. Hughes DL. **J Chem Soc [Perkin I]** (12):1338–45, 1976

Carbon-13 nuclear magnetic resonance assignments in the trichothecene mycotoxins. Ellison RA, et al. **J Org Chem** 41(3):576–8, 6 Feb 76

[New rearrangement reactions of the trichothecane framework] Müller B, et al. **Helv Chim Acta** 58(2):541–52, 12 Mar 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Dermatologically active sesquiterpene lactones in trichomes of Parthenium hysterophorus L. (Compositae). Rodríguez E, et al. **Experientia** 32(2):236–8, 15 Feb 76

Hymenovin. major toxic constituent of Western bitterweed (Hymenoxys odorata DC.) Ivie GW, et al. **J Agric Food Chem** 23(5):841–5, Sep–Oct 75

Analysis of T–2 toxin (and HT–2 toxin) by mass fragmentography. Pareles SR, et al. **J Agric Food Chem** 24(4):872–5, Jul–aug 76

Methods for the detection of trichothecenes. Eppley RM. **J Assoc Off Anal Chem** 58(5):906–8, Sep 75

Substances interfering with the gas–liquid chromatographic determination of T–2 mycotoxin. Mirocha CJ, et al. **J Assoc Off Anal Chem** 59(1):221–3, Jan 76

Some chemical constituents of the digestive gland of the sea hare Aplysia californica. Ireland C, et al. **J Org Chem** 41(14):2461–5, 9Jul 76

A colorimetric method for the estimation of judaicin, bitter principle of Artemisia judaica. Khafagy SM, et al. **Planta Med** 30(1):21–4, Aug 76

An analytical method for proximadiol, the active principle of Cymbopogon proximus. Radwan AS. **Planta Med** 27(1):93–7, Feb 75

[The conformation of nardosinone] Rücker G, et al. **Arch Pharm (Weinheim)** 308(11):858–62, Nov 75 (Eng. Abstr.) **(Ger)**

[Structure of a third bisabololoxide from Matricaria chamomilla L (AUTHOR'S TRANSL)] Schilcher H, et al. **Arch Pharm (Weinheim)** 309(3):189–96, Mar 76 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

[Trichothecene inactivation by proteolytic enzymes from Trichothecium roseum Lk ex Fr] Maksimova RA, et al. **Antibiotiki** 20(12):1081–5, 1975 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Biosynthesis of the verrucarins and roridins. Part 4. The mode of incorporation of (3R)-((5R)-5-3H)-mevalonate into verrucarol. Evidence for the identity of the C(11)-hydrogen atom of the trichothecane skeleton with the (5R)-hydrogen atom of (3R)-mevalonic acid. Müller B, et al. **Helv Chim Acta** 58(2):483–8, 12 Mar 75

Application of carbon-13 magnetic resonance to isoprenoid biosynthesis. II. Ovalicin and the use of doubly labeled mevalonate. Cane DE, et al. **J Am Chem Soc** 98(5):1183–8, 3 Mar 76

Studies in terpenoid biosynthesis. Part XIV. Formation of the sesquiterpene trichodiene. Evans R, et al. **J Chem Soc [Perkin I]** (3):326–9, 1976

Studies in terpenoid biosynthesis. Part XVI. Formation of the sesquiterpenoid trichothecin. Evans RE, et al. **J Chem Soc [Perkin I]** (11):1212–4, 1976

Studies in terpenoid biosynthesis. Part XV. Biosynthesis of the sesquiterpenoid illudin M. Hanson JR, et al. **J Chem Soc [Perkin I]** (8):876–80, 1976

[Biosynthesis of verrucarins and roridins. 2. Incorporation of acetate jn cis-transmuconic acid and of mevalonate in roridinic acid] Müller B, et al. **Helv Chim Acta** 58(2):453–70, 12 Mar 75 (Eng. Abstr.) **(Ger)**

[Biosynthesis of verrucarins and roridins. 3. Incorporation of 3R)-(5-14C)-and at C(2)stereospecific tritiated mevalonate into verrucarol] Müller B, et al. **Helv Chim Acta** 58(2):471–81, 12 Mar 75 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

13C-NMR.-spectroscopy of the trichothecane derivatives verrucarol, verrucarins A and B and roridins A, D and H. Breitenstein W, et al. **Helv Chim Acta** 58(4):1172–80, 4 Jun 75

Letter: A remarkable epoxide opening. An expeditious synthesis of vernolepin and vernomenin. Danishefsky S, et al. **J Am Chem Soc** 98(10):3028–30, 12 May 76

Letter: Total synthesis of (+/-)-vernolepin and (+/-)-vernomenin. Grieco PA, et al. **J Am Chem Soc** 98(6):1612–3, 17 Mar 76

Letter: The stereoselective total synthesis of pseudoguaianolides: confertin. Marshall JA, et al. **J Am Chem Soc** 98(14):4312–3, 7 Jul 76

Synthesis of delta-lactones from cyclohexenones. Preparation of a vernolepin analog. Chavdarian CG, et al. **J Org Chem** 40(20):2970–1, 3 Oct 75

Synthesis of a cytotoxic vernolepin prototype. Ozonization of silyloxyalkenes. Clark RD, et al. **J Org Chem** 41(8):1396–403, 16 Apr 76

Studies in the synthesis of vernolepin. A Diels-Alder approach to the angularly functionalized AB system. Danishefsky S, et al. **J Org Chem** 41(7):1081–8, 2 Apr 76

Model studies directed toward the total synthesis of vernolepin. III. Synthesis of the alpha-methylene-delta-valerolactone ab ring model. Grieco PA, et al. **J Org Chem** 40(10):1450–3, 16 May 75

Helenin derivatives. Part 4: nitrogen-containing derivatives of alanto- and isoalantolactones and their biological and chromatographic response. Dryanovska-Noninska L, et al. **Pharmazie** 30(5):335, May 75

IMMUNOLOGY

A first allergenic sesquiterpene lactone from Chrysanthemum indicum L.: arteglasin-A. Hausen BM, et al. **Naturwissenschaften** 62(12):585–6, Dec 75

ISOLATION & PURIFICATION

Isolation of acetyl T–2 toxin from Fusarium poae. Kotsonis FN, et al. **Appl Microbiol** 30(3):493–5, Sep 75

Chrysanthemum allergy III. Identification of the allergens. Hausen BM, et al. **Arch Dermatol Res** 255(2):111–21, 21 Apr 76

Phytochemical investigations of Vernonia flexuosa Sims. Part II. Vernoflexuoside and vernoflexin-–new sesquiterpene lactones. Kisiel W. **Pol J Pharmacol Pharm** 27(4):461–7, Jul–Aug 75

Hymenoxon, a poisonous sesquiterpene lactone from Hymenoxys odorata DC. (bitterweed). Kim KL, et al. **Res Commun Chem Pathol Pharmacol** 11(4):647–50, Aug 75

[Sesquiterpene hydrocarbons from Nigella damascena seeds (author's transl)] Tillequin F, et al. **Planta Med** 30(1):59–61, Aug 76 (Eng. Abstr.) **(Fre)**

[Antibiotic and cytotoxic activity of cnicin and of its hydrolysis products. Chemical structure - biological activity relationship (author's transl)] Vanhaelen-Fastré R, et al. **Planta Med** 29(2):179–89, Mar 76 (Eng. Abstr.) **(Fre)**

[Substances first isolated from the essential oils of two artemisia-species, 1. Spathulenol, an azulenogenic C15-alcohol (author's title)] Juell SM, et al. **Arch Pharm (Weinheim)** 309(6):458–66, Jun 76 **(Ger)**

[The components of Arnica species. IX. Two sesquiterpene lactones from the flowers of Arnica longifolia] Willuhn G, et al. **Arch Pharm (Weinheim)** 309(4):333–5, Apr 76 **(Ger)**

METABOLISM

NADPH dependent epoxidation of methyl farnesoate to juvenile hormone in the cockroach Blaberus giganteus L. Hammock BD. **Life Sci** 17(3):323–8, 1 Aug 75

PHARMACODYNAMICS

Effect of zexbrevins A and B. Two new sesquiterpene lactones, on the immune response of mice. Valdés R, et al. **Agents Actions** 5(1):64–8, Feb 75

Effects of sesquiterpene lactones on the growth of Bacillus thuringiensis. Norman JO, et al. **Antimicrob Agents Chemother** 9(3):535–9, Mar 76

Sesquiterpene lactones. XVI. In vitro studies on cytotoxic properties of sesquiterpene lactones in tissue cultures of human and animal malignant cells. Hladoń B, et al. **Arch Immunol Ther Exp (Warsz)** 23(6):845–55, 1975

Action of helenin on microorganisms. Kowalewski Z, et al. **Arch Immunol Ther Exp (Warsz)** 24(1):121–5, 1976

Prevention, by ribosome-bound nascent polyphenylalanine chains, of the functional interaction of t–2 toxin with its receptor site. Cannon M, et al. **Biochem J** 156(2):289–94, 15 May 76

Inhibition of protein synthesis in reticulocyte lysates by trichodermin. Carter CJ, et al. **Biochem J** 154(1):171–8, 15 Jan 76

Reconfirmation of the specific nature of reticulocytes bioassay system to trichothec mycotoxins of Fusarium spp. Ueno Y, et al. **Chem Pharm Bull (Tokyo)** 22(11):2744–6, Nov 74

Inactivation of some thiol-enzymes by trichothecene mycotoxins from Fusarium species. Ueno Y, et al. **Chem Pharm Bull (Tokyo)** 23(10):2439–42, Oct 75

Toxicity and milk bittering properties of tenulin, the major sesquiterpene lactone constituent of Helenium amarum (bitter sneezeweed). Ivie GW, et al. **J Agric Food Chem** 23(5):845–9, Sep–Oct 75

Antennal receptor response to sex pheromone mimics in the American cockroach. Washio H, et al. **Nature** 262(5568):487–9, 5 Aug 76

Sesquiterpene lactones. Part XIII. Cytotoxic activity of eupatolide and eupatoriopicrin on human and animal malignant cells in tissue culture in vitro. Hladoń B, et al. **Pol J Pharmacol Pharm** 27(4):429–38, Jul–Aug 75

[Biochemical studies on camomile components/III. In vitro studies about the antipeptic activity of (−)-alpha-bisabolol (author's transl)] Isaac O, et al. **Arzneim Forsch** 25(9):1352–4, Sep 75 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[New ambra odorants by photoreactions of 15, 16-dinorlabd-8(20)-en-13-one (author's transl)] Ohloff G, et al. **Helv Chim Acta** 59(1):75–81, 28 Jan 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Sesquiterpene lactones XVII. Cytostatic and pharmacological activity. Hladoń B, et al. **Arch Immunol Ther Exp (Warsz)** 23(6):857–65, 1975

Antileukemic and other constituents of Tithonia tagitiflora Desf. Pal R, et al. **J Pharm Sci** 65(6):918–20, Jun 76

TOXICITY

Mammalian toxicity of helenalin, the toxic principle of Helenium microcephalum CD (smallhead sneezeweed). Witzel DA, et al. **Am J Vet Res** 37(7):859–61, Jul 76

Toxicological approaches to the toxic metabolites of Fusaria. VIII. Acute and subacute toxicities of T–2 toxin in cats. Sato N, et al. **Jpn J Pharmacol** 25(3):263–70, Jun 75

Interaction of T–2 toxin with Salmonella infections of chickens. Boonchuvit B, et al. **Poult Sci** 54(5):1693–6, Sep 75

Altered feathering of chicks caused by T–2 toxin. Wyatt RD, et al. **Poult Sci** 54(4):1042–5, Jul 75

[Effect of phytobacteriomycin, trichotecin, hygromycin B and levoristatin on some rat liver enzymes] Mel'nikova EA. **Antibiotiki** 20(8):737–41, Aug 75 (Eng. Abstr.) **(Rus)**

SET (PSYCHOLOGY)

Systematic desensitization, relaxation-training and suggestion in the treatment of test anxiety. Bedell JR. **Behav Res Ther** 14(4):309–11, 1976

The effects of instructional set on physiological response to stressful imagery. Bieman I. **Behav Res Ther** 14(2):175–9, 1976

Analysis of the cue characteristics of task motivational instructions. Connors J, et al. **Int J Clin Exp Hypn** 24(3):287–99, Jul 76

Standardized playroom measures as indices of hyperactivity. Routh DK, et al. **J Abnorm Child Psychol** 4(2):199–207, 1976

Hypnosis and the influence of most recently perceived events. Sheehan PW, et al. **J Abnorm Psychol** 84(4):331–45, Aug 75

Role of expectancy set in the systematic desensitization of speech anxiety: an extension of prior research. Hemme RW, et al. **J Clin Psychol** 32(2):400–4, Apr 76

Response set and the Eysenck Personality Inventory (EPI). Stones MJ. **J Clin Psychol** 32(3):568–71, Jul 76

Effects of experimenter modeling, demands for honesty, and initial level of suggestibility on response to 'hypnotic' suggestions. Comins JR, et al. **J Consult Clin Psychol** 43(5):668–75, Oct 75

Effectiveness of voluntary heart rate control in reducing speech anxiety. Gatchel RJ, et al. **J Consult Clin Psychol** 44(3):381–9, Jun 76

Interview self-disclosure as a function of length of modeling and descriptive instructions. McGuire D, et al. **J Consult Clin Psychol** 43(3):356–62, Jun 75

Use of covert self-instruction for the elimination of psychotic speech. Meyers A, et al. **J Consult Clin Psychol** 44(3):480–2, Jun 76

Effects of instructionally mediated demand on the behavioral assessment of assertiveness. Nietzel MT, et al. **J Consult Clin Psychol** 44(3):500, Jun 76

Nonverbal cues for depth of depression: set versus no set. Waxer P. **J Consult Clin Psychol** 44(3):493, Jun 76

The role of information in attenuating behavioral responses to stress: a reinterpretation of the misattribution phenomenon. Calvert-Boyanowsky J, et al. **J Pers Soc Psychol** 32(2):214–21, Aug 75

Demand characteristics and disclosure reciprocity. Derlega VI, et al. **J Soc Psychol** 97(Second Half):301–2, Dec 75

Willingness of psychiatric nurses to assume the extended role. Hocking IL, et al. **Nurs Res** 25(1):44–8, Jan–Feb 76

Effect of two experimental sets on sleep structure. Bonnet MH, et al. **Percept Mot Skills** 42(2):343–50, Apr 76

Comparison of nonretarded and mentally retarded children on tasks involving direct and rule-governed imitation. Boyce KD, et al. **Percept Mot Skills** 42(2):379–86, Apr 76

Instructional, pacing, and feedback control of respiratory behavior. Epstein LH, et al. **Percept Mot Skills** 41(3):895–900, Dec 75

The unimportance of experimenter-bias in sensory deprivation research. Landon PB. **Percept Mot Skills** 42(2):619–24, Apr 76

Correlation between Rotter's I-E scale and the Harvard Group Scale of Hypnotic Susceptibility under three sets of instructions. Leva RA. **Percept Mot Skills** 41(2):614, Oct 75

Effects of set, setting, and sedatives, on reaction time. Levine HD, et al. **Percept Mot Skills** 42(2):403–12, Apr 76

Amount of verbal information and ear-differences in 5- and 6-year old boys and girls. Van Duyne HJ, et al. **Percept Mot Skills** 43(1):31–9, Aug 76

Effects of prior drug experience on the establishment of taste aversions in rats. Goudie AJ, et al. **Pharmacol Biochem Behav** 3(5):947–52, Sep–Oct 75

Effects of verbal learning on reproduction of visually perceived forms as a function of instructions, delay of reproduction, and age. Ardila R. **Psychol Rep** 38(1):259–65, Feb 76

Needs for structure, tolerance of ambiguity and dogmatism in adolescents. Chabassol DJ, et al. **Psychol Rep** 37(2):507–10, Oct 75

Alpha activity suppression and enhancement as a function of feedback and instructions. Prewett MJ, et al. **Psychophysiology** 13(4):307–10, Jul 76

Assessment of the reliability of and the effect of neutral instructions on the symptom ratings on the Moos Menstrual Distress Questionnaire. Markum RA. **Psychosom Med** 38(3):163–72, May–Jun 76

SETARIASIS see under **FILARIASIS**

SEVIN

Degradation of carbaryl following thermal processing. Pretanik JS, et al. **J Agric Food Chem** 24(4):779–81, Jul–aug 76

ANALOGS & DERIVATIVES

Effects of nitrosocarbaryl on BALB/3T3 cells. Quarles JM, et al. **Cancer Res** 35(10):2637–43, Oct 75

The reaction of nitrite with pesticides. II. Formation, chemical properties and carcinogenic activity of the N-nitroso derivative of N-methyl-1-naphthyl carbamate (carbaryl). Eisenbrand G, et al. **Food Cosmet Toxicol** 13(3):365–7, Jun 75

ANALYSIS

Separation of 1- and 2-naphthols and determination of trace amounts of 2-naphthyl methylcarbamate in carbaryl formulations by high pressure liquid chromatography with confirmation by spectrofluorometry. Argauer RJ, et al. **Anal Chem** 47(14):2472–4, Dec 75

Identification by physical means of organic moieties of conjugates produced from carbaryl by tobacco cells in suspension culture. Locke RK, et al. **Arch Environ Contam Toxicol** 4(1):60–100, 1976

TLC analysis of carbaryl insecticide on sprayed foliage. A student experiment. Bidleman TF, et al. **J Chem Educ** 53(3):173, Mar 76

METABOLISM

Carbamate resistance in Anopheles albimanus. Penetration and metabolism of carbaryl in propoxur-selected larvae. Ariaratnam V, et al. **Bull WHO** 52(1):91–6, 1975

Biliary excretion products of 1-[1-14C]naphthyl-N-methylcarbamate (carbaryl) in rainbow trout (Salmo gairdneri). Statham CN, et al. **Drug Metab Dispos** 3(5):400–6, Sep–Oct 75

Pharmacokinetics and metabolism of two carbamate insecticides, carbaryl and landrin, in the rat. Houston JB, et al. **Xenobiotica** 5(10):637–48, Oct 75

[Binding of carbaryl (1-naphthyl-N-methyl-carbamate) by RNA and rat liver proteins] Syrowatka T, et al. **Rocz Panstw Zakl Hig** 26(6):683–90, 1975 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Some effects of carbaryl on Ehrlich ascites tumor cells in vitro and in vivo. Walker EM Jr, et al. **Bull Environ Contam Toxicol** 14(4):441–7, Oct 75

Filarial infectivity rate of Culex pipiens molestus subjected to sublethal concentrations of insecticides Abate and Sevin and distribution of infective filaria larvae in mosquito body regions. Khalil HM, et al. **J Egypt Public Health Assoc** 49(4–5):221–4, 1974

Effect of sublethal concentrations of the insecticides DDT, Abate and Sevin applied to 3rd stage larvae of Anopheles pharoensis on malaria cycle in the adult mosquito. Rifaat MA, et al. **J Egypt Public Health Assoc** 49(6):329–40, 1974

Effect of sublethal concentrations of the insecticides DDT, Abate and Sevin, applied to 3rd stage larvae of Culex pipiens molestus on certain biological aspects of the mosquito. Sadek S, et al. **J Egypt Public Health Assoc** 49(6):314–28, 1974

Nitrosocarbaryl: its effect on human DNA. Regan JD, et al. **Mutat Res** 38(4):293–302, Aug 76

Thermoregulation in mice treated with parathion, carbaryl, or DDT. Ahdaya SM, et al. **Toxicol Appl Pharmacol** 35(3):575–80, Mar 76

Potentiation of the acute toxicity of several pesticides and herbicides in trout by carbaryl. Statham CN, et al. **Toxicol Appl Pharmacol** 34(1):83–7, Oct 75

[Observations of autophagosomes in the epithelial cells of a rat kidney proximal tubules (author's transl)] Latalski M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:86–91, 1974 (Eng. Abstr.) **(Pol)**

[Synergistic action of a mixture of carbaryl and piperonyl butoxylate] Mańkowska H, et al. **Rocz Panstw Zakl Hig** 27(3):331–6, 1976 (Eng. Abstr.) **(Pol)**

TOXICITY

Acute toxicity of the insecticides toxaphene and carbaryl and the herbicides propanil and molinate to four species of aquatic organisms. Chaiyarach S, et al. **Bull Environ Contam Toxicol** 14(3):281–4, Sep 75

Studies on the mechanism of potentiation of the acute toxicity of 2,4-D n-butyl ester and 2',5-dichloro-4'-nitrosalicylanilide in rainbow trout by carbaryl. Statham CN, et al. **Toxicol Appl Pharmacol** 36(2):281–96, May 76

[Prenatal toxicology studies using sevin (carbaryl) in Wistar rats] Golbs S, et al. **Arch Exp Veterinaermed** 29(4):607–14, 1975 (Eng. Abstr.) **(Ger)**

URINE

[Determination of sevin and the products of its metabolism in the urine] Malinin OA. **Veterinariia** (7):92–4, Jul 75 **(Rus)**

SEWAGE

Degradation of urea by bacteria and algae in mass algal cultures. Chróst RJ, et al. **Acta Microbiol Pol [B]** 7(4):231–6, 1975

Nitrification and denitrification processes related to waste water treatment. Focht DD, et al. **Adv Appl Microbiol** 19:153–86, 1975 (163 ref.)

Effects of sewage sludge-fertilized corn fed to growing swine. Hansen LG, et al. **Am J Vet Res** 37(6):711–4, Jun 76

Eutrophication and wastewater purification. Gleisberg D, et al. **Angew Chem [Engl]** 15(6):354–65, Jun 76 (103 ref.)

Antibiotic resistance among coliform and fecal coliform bacteria isolated from sewage, seawater, and marine shellfish. Cooke MD. **Antimicrob Agents Chemother** 9(6):879–84, Jun 76

Toxicity of ammonia to algae in sewage oxidation ponds. Abeliovich A, et al. **Appl Environ Microbiol** 31(6):801–6, Jun 76

Airborne coliphages from wastewater treatment facilities. Fannin KF, et al. **Appl Environ Microbiol** 31(5):705–10, May 76

Distribution of Bdellovibrio bacteriovorus in sewage works, river water, and sediments. Fry JC, et al. **Appl Environ Microbiol** 31(4):469–74, Apr 76

Influence of sewage discharge on nitrogen fixation and nitrogen flux from coral reefs in Kaneohe Bay, Hawaii. Hanson RB, et al. **Appl Environ Microbiol** 31(6):942–8, Jun 76

Study of Candida ingens grown on the supernatant derived from the anaerobic fermentation of monogastric animal wastes. Henry DP, et al. **Appl Environ Microbiol** 31(6):813–8, Jun 76

Activated sludge degradation of adipic acid esters. Saeger VW, et al. **Appl Environ Microbiol** 31(5):746–9, May 76

Biodegradation of phthalic acid esters in river water and activated sludge. Saeger VW, et al. **Appl Environ Microbiol** 31(1):29–34, Jan 76

Concentrations of nitrifying bacteria in sewages, effluents, and a receiving stream and resistance of these organisms to chlorination. Strom PF, et al. **Appl Environ Microbiol** 31(5):731–7, May 76

Inactivation of poliovirus in digested sludge. Ward RL, et al. **Appl Environ Microbiol** 31(6):921–30, Jun 76

Demonstration of solids-associated virus in wastewater and sludge. Wellings FM, et al. **Appl Environ Microbiol** 31(3):354–8, Mar 76

Survival of human enteric and other sewage microorganisms under simulated deep-sea conditions. Baross JA, et al. **Appl Microbiol** 30(2):309–18, Aug 75

Removal of enteroviruses from sewage by bench-scale rotary-tube trickling filters. Clarke NA, et al. **Appl Microbiol** 30(2):223–8, Aug 75

Utilization of brewery spent grain liquor by Aspergillus niger. Hang YD, et al. **Appl Microbiol** 30(5):879–80, Nov 75

Nonautotrophic Thiobacillus in acid mine water. Myers PS, et al. **Appl Microbiol** 30(5):884–6, Nov 75

Association of enteroviruses with natural and artificially introduced colloidal solids in water and infectivity of solids-associated virions. Schaub SA, et al. **Appl Microbiol** 30(2):212–22, Aug 75

Antibodies against enteric bacteria in brown bullhead catfish (Ictalurus nebulosus, LeSueur) inhabiting contaminated waters. Troast JL. **Appl Microbiol** 30(2):189–92, Aug 75

Study of guinea pigs fed Swiss chard grown on municipal sludge-amended soil. Multi-element content of tissues. Furr AK, et al. **Arch Environ Health** 31(2):87–91, Mar–Apr 76

Competitive ability of amylolytic bacteria in activated sludge. Verstraete W, et al. **Arch Microbiol** 104(3):279–83, 28 Aug 75

Thermophilic microbiological treatment of high strength wastewaters with simultaneous recovery of single cell protein. Surucu GA, et al. **Biotechnol Bioeng** 17(11):1639–62, Nov 75

The acid hydrolysis of refuse. Grethlein HE. **Biotechnol Bioeng Symp** (5):303–18, 1975

'The acid hydrolysis refuse'. Millett MA. **Biotechnol Bioeng Symp** (5):319–20, 1975

Field experiment on the effect of municipal sewage on macrophytes and epifauna in the lake littoral. Ozimek T, et al. **Bull Acad Pol Sci [Biol]** 23(7):447–55, 1975

Distribution and biomagnification of hexachlorophene in urban drainage areas. Sims JL, et al. **Bull Environ Contam Toxicol** 14(2):214–20, Aug 75

Activated sludge primary biodegradation of polychlorinated biphenyls. Tucker ES, et al. **Bull Environ Contam Toxicol** 14(6):705–13, Dec 75

Microbiological examination of ship sewage for the presence of Vibrio cholerae. Pietkiewicz K. **Bull Inst Marit Trop Med Gdynia** 26(1):87–91, 1975

Detection of enteropathogenic Escherichia coli strains in wastewater by fluorescent antibody. Abshire RL. **Can J Microbiol** 22(3):364–78, Mar 76

Calcium hydroxide (lime) and the elimination of human pathogenic viruses from sewage: studies with experimentally-contaminated (poliovirus type 1, Sabin) and pilot plant samples. Sattar SA, et al. **Can J Public Health** 67(3):221–5, May–Jun 76

Investigation of the transport of metals and orthophosphate away from a sewage treatment plant outfall. Bailey SM, et al. **Environ Lett** 10(2):159–69, 1975

The Glasgow sewage workers' strike. Wilson TS. **Health Bull (Edinb)** 33(4):135–7, Jul 75

Seattle tunnel follow-up report. p. 23. Sealey JL. **In: Beckman EL, Elliott DH, ed. Dysbarism-related osteonecrosis. Washington, US Department of Health Education and Welfare, 1974. WE 200 S99d 1972.**

Land Spreading of cow-dung slurry. pp. 287–8. Burford JR, et al. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Agricultural fertilizers, slurry disposal and nitrate pollution of groundwaters. pp. 275–84. Burford JR, et al. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Migration of liquid industrial waste from a gravel pit. pp. 296–8. Goldthorp GD, et al. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Deep well injection of liquid waste. pp. 417–36. Mokha JS. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

The routine discharge of effluents to the underground--practice and control. pp. 148–52. Nicolson NJ. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Letter: The disposal of radioactive solvent waste. Dean B, et al. **Int J Appl Radiat Isot** 27(3):185–6, Mar 76

Multielement absorption by crops grown in pots on municipal sludge-amended soil. Furr AK, et al. **J Agric Food Chem** 24(4):889–92, Jul–aug 76

Dissimilatory nitrate and nitrite reduction under aerobic conditions by an aerobically and anaerobically grown Alcaligenes sp. and by activated sludge. Krul JM. **J Appl Bacteriol** 40(3):245–60, Jun 76

Degradation of microbicides under different environmental conditions. Voets JP, et al. **J Appl Bacteriol** 40(1):67–72, Feb 76

Detergents. Banerji SK. **J Water Pollut Control Fed** 48(6):1110–5, Jun 76 (27 ref.)

Multi-process biological treatment model. Christensen DR, et al. **J Water Pollut Control Fed** 47(11):2652–64, Nov 75

Anaerobic processes. Ghosh S, et al. **J Water Pollut Control Fed** 47(6):1278–305, Jun 75 (156 ref.)

Health significance of airborne microorganisms from wastewater treatment processes. Part I: Summary of investigations. Hickey JL, et al. **J Water Pollut Control Fed** 47(12):2741–57, Dec 75 (54 ref.)

Health significance of airborne microorganisms from wastewater treatment processes. Part II: Health significance and alternatives for action. Hickey JL, et al. **J Water Pollut Control Fed** 47(12):2758–73, Dec 75 (77 ref.)

Disinfection. Hoadley AW, et al. **J Water Pollut Control Fed** 48(6):1166–70, Jun 76 (45 ref.)

Pilot-scale, high-rate biological dexitrification. Jeris JS, et al. **J Water Pollut Control Fed** 47(8):2043–57, Aug 75

Application of kinetic models to the control of activated sludge processes. Keyes TW, et al. **J Water Pollut Control Fed** 47(11):2574–85, Nov 75

Response of activated sludge to quantitative shock loading. Krishnan P, et al. **J Water Pollut Control Fed** 48(5):906–19, May 76

Biological nitrification of sludge supernatant by rotating disks. Lue-Hing C, et al. **J Water Pollut Control Fed** 48(1):25–46, Jan 76

Poliovirus inactivation by activated sludge. Malina JF Jr, et al. **J Water Pollut Control Fed** 47(8):2178–83, Aug 75

Lagoons and oxidation ponds. O'Brien WJ. **J Water Pollut Control Fed** 47(6):1269–73, Jun 75 (37 ref.)

Dynamics of nitrification in the activated sludge process. Poduska RA, et al. **J Water Pollut Control Fed** 47(11):2599–619, Nov 75

Activated sludge. Schroeder ED. **J Water Pollut Control Fed** 47(6):1261–9, Jun 75 (101 ref.)

Upgrading lagoon effluent for best practicable treatment. Stone RW, et al. **J Water Pollut Control Fed** 47(8):2019–42, Aug 75

Efficacy of biological nitrification. Sutton PM, et al. **J Water Pollut Control Fed** 47(11):2665–73, Nov 75

Microbiology of waste treatment. Unz RF. **J Water Pollut Control Fed** 47(6):1559–66, Jun 75 (71 ref.)

Microbiology of waste treatment. Unz RF. **J Water Pollut Control Fed** 48(6):1367–78, Jun 76 (101 ref.)

Mycoflora of activated sewage sludge. Diener UL, et al. **Mycopathologia** 58(2):115–6, 18 Jun 76

A mass attack by the biting midge culicoides nubeculosus (Mg.) (Dipteria, Ceratopogonidae) on grazing cattle in Denmark. A new aspect of sewage discharge. Nielsen BO, et al. **Nord Vet Med** 27(7–8):365–72, Jul–Aug 75

Broadcast of microbial aerosols by stacks of sewage treatment plants and effects of ozonation on bacteria in the gaseous effluent. Pereira MR, et al. **Public Health Rep** 90(3):208–12, May–Jun 75

Community water supply and wastewater disposal. **WHO Chron** 30(8):329–34, Aug 76

[Occurrence and distribution of drug resistant enterobacteria in extra enteral habitats (author's transl)] Larsen HE, et al. **Nord Vet Med** 28(3):129–40, Mar 76 (Eng. Abstr.) **(Dan)**

[Salmonella isolated in effluents of Herault stations (author's transl)] Baylet R, et al.

Rev Epidemiol Med Soc Sante Publique 23(7–8):463–8, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Hygienic differentiation of technical processes in handling liquid drug. 2. Examination of the Electro–M process using laboratory standards] Schwab H, et al. **Berl Munch Tieraerztl Wochenschr** 88(8):148–51, 15 Apr 75 (Eng. Abstr.) **(Ger)**

[The rotating aeration method (System Fuchs) for the treatment of liquid animal and municipal wastes. 1. Epidemiological, environmental hygienic, and technical considerations regarding the use of rotating aeration] Strauch D, et al. **Berl Munch Tieraerztl Wochenschr** 88(23):456–60, 1 Dec 75 (Eng. Abstr.) **(Ger)**

[A rotating aeration process (System FUCHS) for the treatment of liquid animal and municipal waste. 2nd communication. Hygienic studies during rotating aeration of pig slurry)] Wassen H, et al. **Berl Munch Tieraerztl Wochenschr** 89(5):96–8, 1 Mar 76 **(Ger)**

[The rotating aeration system FUCHS System in the treatment of liquid animal and municipal wastes. 3. Hygienic studies on the rotation aeration of cattle slurry] Wassen H, et al. **Berl Munch Tieraerztl Wochenschr** 89(10):200–3, 15 May 76 (Eng. Abstr.) **(Ger)**

[The rotation aeration system (Fuchs System) for the treatment of liquid animal and municipal waste. 4. Hygienic studies with the rotation aeration of municipal sewage] Wassen H, et al. **Berl Munch Tieraerztl Wochenschr** 89(11):219–22, 1 Jun 76 (Eng. Abstr.) **(Ger)**

[Properties and evaluation of waste water from the damp oxidation of sewage sludge, with reference to water protection] Janicke W. **Gesund Ing** 97(4):73–80, 85–6, Apr 76 **(Ger)**

[Dependence of oxygen consumption on oxygen input in measurements of biochemical oxygen requirements] Schoenen D, et al. **Gesund Ing** 96(12):329–31, Dec 75 **(Ger)**

[Explanation of the bacterial inhibition test with Pseudomonas] Bringmann G, et al. **Schriftenr Ver Wasser Boden Lufthyg** (44):35–42, 1975 **(Ger)**

[Measuring procedures] Janicke W. **Schriftenr Ver Wasser Boden Lufthyg** (44):25–33, 1975 **(Ger)**

[Flat rate tables for the sewage tax] Massing H. **Schriftenr Ver Wasser Boden Lufthyg** (44):43–53, 1975 **(Ger)**

[The sewage tax from scientific–technical point of view] Niemitz W. **Schriftenr Ver Wasser Boden Lufthyg** (44):11–24, 1975 **(Ger)**

[The sewage tax from a legal point of view] Roth H. **Schriftenr Ver Wasser Boden Lufthyg** (44):5–9, 1975 **(Ger)**

[Studies on electrochemical phase separation for communal waste water] Arndt K. **Z Gesamte Hyg** 22(2):111–13, Feb 76 (Eng. Abstr.) **(Ger)**

[The elimination of exogenous helminthic stages from the communal sewage by various sewage elimination technics] Knaack J, et al. **Z Gesamte Hyg** 21(10):746–50, Oct 75 **(Ger)**

[The behavier of Pseudomonas aeruginosa in surface water, cooling water and waste water (author's transl)] Botzenhart K, et al. **Zentralbl Bakteriol [Orig B]** 161(1):72–83, Sep 75 (Eng. Abstr.) **(Ger)**

[The destruction of parasitic resistant stages in sludge by irradiation with low accelerating voltage electrons (author's transl)] Enigk K, et al. **Zentralbl Bakteriol [Orig B]** 161(1):61–71, Sep 75 (Eng. Abstr.) **(Ger)**

[Epidemiology of salmonellae and fertilizing of grasland with sewage sludge (author's transl)] Hess E, et al. **Zentralbl Bakteriol [Orig B]** 161(1):54–60, Sep 75 (Eng. Abstr.) **(Ger)**

[Microbial contamination of air by activated sludge units (author's transl)] Wanner HU. **Zentralbl Bakteriol [Orig B]** 161(1):46–53, Sep 75 (Eng. Abstr.) **(Ger)**

[New procedure for the purification of fluid waste disposal : economics of cost, space and energy] **Minerva Med** 66(68 Suppl):19, Oct 75 **(Ita)**

[Preliminary research on the algal ecology of activated sludges in relationship to the process of tertiary treatment for active algae] Balloni W, et al. **Nuovi Ann Ig Microbiol** 26(4):207–15, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Respect for biological balance in the treatment of liquid waste with a new disinfectant] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(4):263–78, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Problems relative to food industries waste water and their available solutions (author's transl)] Pompei C. **Riv Sci Tecn Nutr Um** 5(5–6):269–76, Sep–Dec 75 (Eng. Abstr.) **(Ita)**

[Integral quantitative methods of biological indication of polluted waters in a large oligotrophic water body] Kreneva SV. **Dokl Akad Nauk SSSR** 229(1):253–5, JUL–AUG 76 **(Rus)**

[Evaluation of the effectiveness of the disinfection of sewage water by the radiation method] Arbuzova NA, et al. **Gig Sanit** (5):103–5, May 76 **(Rus)**

[Sewage dilution in rivers] Bondar' AA. **Gig Sanit** (2):107–8, Feb 75 **(Rus)**

[Hygienic assessment of a supplementary treatment of urban sewage in case of its repeated use] Cherkinskii SN, et al. **Gig Sanit** (10):11–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Sanitary–bacterial study of the effectiveness of decontamination of the waste water of Voroshilovgrad in agricultural field irrigation] Datsenko MF, et al. **Gig Sanit** (8):93–4, Aug 75 **(Rus)**

[Chlorine treatment for the decontamination of raw and purified toilet sewage and mixed effluents from ships] El'puner LI, et al. **Gig Sanit** (1):16–20, Jan 76 (Eng. Abstr.) **(Rus)**

[Decarcinogenation of industrial waste water containing hydroazocompounds of benzidine and dianizidine] Genin VA, et al. **Gig Sanit** (5):105–6, May 76 **(Rus)**

[The effectiveness of the work of a factory during installations for sewage decontamination] Sergunina LA, et al. **Gig Sanit** (5):93–6, May 75 **(Rus)**

[Possibility of using solar radiation for dehelminthization of sewage sediments] Romanenko NA, et al. **Med Parazitol (Mosk)** 44(2):227–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Metabolism of monocarbon compounds during biological purification of sewage waters] Makeeva EN, et al. **Prikl Biokhim Mikrobiol** 11(3):367–73, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Biocenotic dynamics of liquid sewage in the process of its biological purification at aeration stations] Kalina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):133–7, Aug 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Gas chromatographic determination of acetic acid in industrial atmosphere and waste water. Esposito GG, et al. **Am Ind Hyg Assoc J** 37(5):268–73, May 76

An evaluation of the 3-methyl-2-benzothiazolinone hydrazone method for the determination of phenols in water and waste waters. Gales ME Jr. **Analyst** 100(1197):841–7, Dec 75

Determination of ammonia–, nitrate– and organic nitrogen in water and waste water with an ammonia gas–sensing electrode. McKenzie LR, et al. **Analyst** 100(1194):620–8, Sep 75

Virus association with wastewater solids. Cliver DO. **Environ Lett** 10(3):215–23, 1975

Metal concentrations in the sewage, effluents, and sludges of some southern Ontario wastewater treatment plants. Oliver BG, et al. **Environ Lett** 9(1):75–90, 1975

Identification of volatile components in waste waters by combined head–space gas chromatography–mass spectrometry. Heyndrickx A, et al. **Eur J Toxicol Environ Hyg** 8(5):275–9, Sep–Oct 75

Chemical composition of sewage sludges taken during a ten day period from six plants in the Niagara Peninsula. pp. 179–88. Fortescue JA, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Chlorinated hydrocarbon pesticides in chemical sewage sludges. pp. 189–96. Liu D, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Microwave oven for improved biological solids determination. Carter JL, et al. **J Microwave Power** 11(2):117–25, Jun 76

Biological filters. Bunch RL. **J Water Pollut Control Fed** 47(6):1258–61, Jun 75 (24 ref.)

[Activated sludge activity: an easy test for inspection of biological purification plants] Legeron JP, et al. **C R Acad Sci [D] (Paris)** 281(18):1357–60, 3 Nov 75 (Eng. Abstr.) **(Fre)**

[Detection of pathogenic leptospira in the waste water and sewage sludge of large pig breeding sites] Minzat RM, et al. **Arch Exp Veterinaermed** 29(4):557–62, 1975 (Eng. Abstr.) **(Ger)**

[Isolation and classification of Listeria monocytogenes from sewage water] Hofer E. **Mem Inst Oswaldo Cruz** 73(1–2):31–8, 1975 (Eng. Abstr.) **(Por)**

[Automatic sewage sampler] Boglovskiĭ AV, et al. **Gig Sanit** (11):72–3, Nov 75 **(Rus)**

[Findings of Salmonella in sewage and in the water of surface reservoirs] Cherkinskii SN, et al. **Gig Sanit** (2):17–20, Feb 75 (Eng. Abstr.) **(Rus)**

[Sanitary helminthological evaluation of a method of composting mechanically dehydrated sewage sludge] Chilikin MM. **Gig Sanit** (2):96–8, Feb 75 **(Rus)**

[Enzymatic activity of the sludge as an index of the degree of intensity of the sewage purification process] Doliagin AB, et al. **Gig Sanit** (2):109–10, Feb 75 **(Rus)**

[Some approaches to the hygienic evaluation of the efficacy of ozonizing sewage polluted with chemical substances] Korolev AA. **Gig Sanit** (3):103–5, Mar 76 **(Rus)**

[Synthetic surface–active substances in municipal discharges and the effectiveness of purifying them at a biological station] Kostovetskii IaI, et al. **Gig Sanit** (2):95–6, Feb 75 **(Rus)**

[A method of determining the complete biological O2 demand of sewage with the use of various inhibitors of nitrification] Lur'e IuI, et al. **Gig Sanit** (5):66–70, May 75 **(Rus)**

[Gas chromatographic determination of polycyclic hydrocarbons in waste water] Shushunova AF, et al. **Gig Sanit** (8):61–2, Aug 75 **(Rus)**

[The sanitary bacteriological assessment of the means of decontamination of sewage in an installation of small sewerage] Vodop'ian BG, et al. **Gig Sanit** (4):95–7, Apr 75 **(Rus)**

[Determination of the microbial count in sewage] Sadykova VI. **Veterinariia** (7):38–9, Jul 76 **(Rus)**

STANDARDS

[Hygienic viewpoints in the disposal of waste water] Schell U. **Schriftenr Ver Wasser Boden Lufthyg** (45):143–8, 1975 **(Ger)**

SEX

see related
LIBIDO
PSYCHOSEXUAL DEVELOPMENT
RELIGION AND SEX

Adolescent sexuality. Shearin RB. **Am Fam Physician** 12(3):109–12, Sep 75

Sex knowledge and attitudes of moderately retarded males. Edmonson B, et al. **Am J Ment Defic** 80(2):172–9, Sep 75

Sexual knowledge and attitudes of institutionalized and noninstitutionalized retarded adolescents. Hall JE, et al. **Am J Ment Defic** 80(4):382–7, Jan 76

Sexuality and the severely disabled person. Smith J, et al. **Am J Nurs** 75(12):2194–7, Dec 75

Maternal behavior and perceived sex of infant. Will JA, et al. **Am J Orthopsychiatry** 46(1):135–9, Jan 76

Sex bias in psychotherapy: a failure to confirm. Abramowitz SI, et al. **Am J Psychiatry** 133(6):706–9, Jun 76

Sexual attitudes of hospital personnel: a model for continuing education. Withersty DJ. **Am J Psychiatry** 133(5):573–5, May 76

Report of task force on sex bias and sex–role stereotyping in psychotherapeutic practice. **Am Psychol** 30(12):1169–75, Dec 75

Parasexual approaches to the genetics of man. Ruddle FH, et al. **Annu Rev Genet** 9:407–86, 1975 (431 ref.)

Sex education and counseling program on a spinal cord injury service. Eisenberg MG, et al. **Arch Phys Med Rehabil** 57(3):135–40, Mar 76

Dhat syndrome: a culture–bound sex neurosis of the orient. Malhotra HK, et al. **Arch Sex Behav** 4(5):519–28, Sep 75

Is love a necessary ingredient for sexual fulfilment? Hemingway L. **Aust Fam Physician** 5(4):471–7, May 76

Rodent sex differences in emotional and related behavior. Archer J. **Behav Biol** 14(4):451–79, Aug 75 (146 ref.)

Sex differences in anaesthetic toxicity: fluroxene and trifluoroethanol in mice. Cascorbi HF, et al. **Br J Anaesth** 48(5):399–402, May 76

Manifest dream content: changes with the menstrual cycle. Lewis SA, et al. **Br J Med Psychol** 48(4):375–7, Dec 75

Sexual function in hypospadiacs. Kenawi MM. **Br J Urol** 47(7):883–90, 1975

Sexual problems in disorders of the nervous system. I. Anatomical and physiological aspects. Silver JR. **Br Med J** 3(5981):480–2, 23 Aug 75

Letter: It's a baby. Weller M. **Br Med J** 1(6006):396–7, 14 Feb 76

The rejection of intra– and intersexual skin grafts in newts (Triturus vulgaris and Triturus alpestris). Plytycz B. **Bull Acad Pol Sci [Biol]** 23(10):699–705, 1975

Scientific empiricism in the Middle Ages: Albertus Magnus on sexual anatomy and physiology. Shaw JR. **Clio Med** 10(1):53–64, Apr 75

Differential effects of male stimuli on follicle–stimulating hormone, luteinizing hormone, and prolactin secretion in prepubertal female mice. Bronson FH, et al. **Endocrinology** 98(5):1101–8, May 76

Sex–related differences in the regulation of cytoplasmic estrogen receptor levels in responsive tissues of the rat. Cidlowski JA, et al. **Endocrinology** 98(4):833–41, Apr 76

Human chromosomes. Evidence for autosomal sexual dimorphism. Kowalski CJ, et al. **Exp Cell Res** 100(1):56–62, Jun 76

Sex and the otolaryngologist. Lucente FE. **Eye Ear Nose Throat Mon** 54(9):338–41, Sep 75

Women, sex and patriarchy. Fortier L. **Fam Plann Perspect** 7(6):278–81, Nov–Dec 75

Mutator factors and genetic variance components of viability in Drosophila melanogaster. Cardellino RA, et al. **Genetics** (3):567–83, Jul 75

Parasexual genetic analysis of the cellular slime mold Dictyostelium discoideum A3. Rothman FG, et al. **Genetics** 80(4):715–31, Aug 75

A genetic study of aggregation in the cellular slime mould Dictyostelium discoideum using complementation analysis. Williams KL, et al. **Genetics** 82(2):287–307, Feb 76

Coping with sexual identity crises after mastectomy. Kent S. **Geriatrics** 30(10):145–6, Oct 75

Female professional students and sexuality in the aging male. Pease RA. **Gerontologist** 14(2):153–7, Apr 74

Is sex maintained to facilitate or minimise mutational advance? Manning JT. **Heredity (Lond)** 36(3):351–57, Jun 76

Sex differences in field independence among preschool children. pp. 259–74. Coates S. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.**

The psychobiology of sex differences: an evolutionary perspective. pp. 373–92. Hamburg BA. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.**

Methodological considerations in studying sex differences in the behavioral functioning of newborns. pp. 197–208. Korner AF.

In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Differential response to early experience as a function of sex difference. pp. 87–98. Levine S.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Sex of parent x sex of child: socioemotional development. pp. 165–89. Lewis M, et al.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Early sex differences and mother–infant interaction. pp. 149–63. Moss HA.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Sex differences in aggression. pp. 335–72. Moyer KE.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973. (208 ref.)
Sex differences in mother–infant attachment in monkeys. pp. 123–41. Rosenblum LA.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Sex differences in rhesus monkeys following varied rearing experiences. pp. 99–122. Sackett GP.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
An ethological study of children approaching a strange adult: sex differences. pp. 233–58. Stern DN, et al.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
When women and men work together. Roeske NA.
J Am Med Wom Assoc 31(8):309–12, Aug 76
Age and sex differences in lung elasticity, and in closing capacity in nonsmokers. Bode FR, et al. **J Appl Physiol** 41(2):129–35, Aug 76
Appreciation of risqué cartoon humor in male and female repressors and sensitizers. Burns WJ, et al.
J Clin Psychol 32(2):315–21, Apr 76
Administrator's gender and sexual content in projective test protocols. Milner JS. **J Clin Psychol** 31(3):540–1, Jul 75
Sexual responsivity and ego defenses. Schill T, et al.
J Clin Psychol 32(1):79–80, Jan 76
Viewing pornography and sex guilt: the priggish, the prudent, and the profligate. Love RE, et al.
J Consult Clin Psychol 44(4):624–9, Aug 76
In vitro cell-mediated immune responses to the male specific(H-Y) antigen in mice. Gordon RD, et al.
J Exp Med 142(5):1108–20, 1 Nov 75
Isozymes in androgenetic and gynogenetic white amur, gynogenetic carp, and carp–amur hybrids. Stanley JG, et al. **J Hered** 67(3):129–34, May–Jun 76
Female responsiveness to erotic films and the 'ideal' erotic film from a feminine perspective. Steele DG, et al.
J Nerv Ment Dis 162(4):266–73, Apr 76
Enhancement of experienced sexual arousal in response to erotic stimuli through misattribution of unrelated residual excitation. Cantor JR, et al. **J Pers Soc Psychol** 32(1):69–75, Jul 75
Proceedings: Electrophysiology of endocrine sex. Dyer RG, et al. **J Physiol (Lond)** 254(1):18P–19P, Jan 76
The indication of sexual and aggressive similarities through humor appreciation. Prerost FJ. **J Psychol** 91(Second Half):283–8, Nov 75
Sexual selection and the handicap principle. Smith JM.
J Theor Biol 57(1):239–42, Mar 76
Sexual function following high retroperitoneal lymphadenectomy. Kedia KR, et al. **J Urol** 114(2):237–9, Aug 75
Letter: Immaterial to diagnosis. **JAMA** 235(10):1004, 8 Mar 76
Gender: quaesto quid juris? Hamilton W, et al.
Med Sci Law 15(2):79–93, Apr 75
Parasexual genetic analysis of aggregation-deficient mutants of Dictyostelium discoideum. Coukell MB.
Mol Gen Genet 142(2):119–35, 29 Dec 75
Increase of rDNA redundancy in bb females of Drosophila melanogaster. Gargano S, et al. **Mol Gen Genet** 145(3):255–8, 15 Jun 76
Sex: a tri-polar conflict in mental retardation. Tarjan G.
Monogr Am Assoc Ment Defic (1):175–83, 1973
By the London Post. The price of oil--Death of a baby--No sex, please--We're British. Lister J. **N Engl J Med** 294(13):710–2, 25 Mar 76
Influence of sexual dimorphism on foetal and placental weights in the rat. Bruce NW, et al. **Nature** 257(5521):62–3, 4 Sep 75
Repeated sequence specific to human males. Cooke H.
Nature 262(5565):182–6, 15 JUL 76
Effect of testosterone, sex and age on experimentally induced arterial thrombosis. Uzunova A, et al. **Nature** 261(5562):712–3, 24 Jun 76
Symposium on human sexuality. **Nurs Clin North Am** 10(3):517–97, Sep 75
Symposium on human sexuality. Foreword. Mims FH.
Nurs Clin North Am 10(3):517–28, Sep 75
Myths in human sexuality; a social-psychological perspective. Sedgwick R. **Nurs Clin North Am** 10(3):539–50, Sep 75
Sexuality and the middle-aged cardiac patient. Watts RJ.
Nurs Clin North Am 11(2):349–59, Jun 76
Sexuality in later life. Yeaworth RC, et al.
Nurs Clin North Am 10(3):565–86, Sep 75
Human sexuality: faculty knowledge and attitudes. Fontaine KL. **Nurs Outlook** 24(3):174–6, 1 Mar 76
Human sexuality course evaluation. Mims FH, et al.
Nurs Res 25(3):186–91, May–Jun 76
Sexuality of nurses: correlations of knowledge, attitudes, and behavior. Payne T. **Nurs Res** 25(4):286–92, Jul–Aug 76
Man was for woman made and woman made for man. Loten EG, et al. **NZ Med J** 82(548):201–4, 24 Sep 75
Effects of field-dependency, social class and sex of children between ages 5 and 10. Cecchini M, et al.
Percept Mot Skills 41(1):155–64, Aug 75
Electrodermal response to sexual materials. Firth D, et al.
Percept Mot Skills 41(1):60–2, Aug 75
Sex differences in binding of human growth hormone to isolated rat hepatocytes. Ranke MB, et al.
Proc Natl Acad Sci USA 73(3):847–51, Mar 76
Sex-related difference in antral and serum gastrin levels in the rat. Lichtenberger LM, et al.
Proc Soc Exp Biol Med 151(4):785–8, Apr 76
The sexual significance of the axillae. Brody B.
Psychiatry 38(3):278–89, Aug 75
On the umbilicus as bisexual genital. Friedman S.
Psychoanal Q 45(2):296–8, Apr 76
The differentiation of an androgynous imago. Eigen M.
Psychoanal Rev 62(4):601–13, Winter 75–76
Reduction of aggression as a function of related content of humor. Prerost FJ. **Psychol Rep** 38(3 pt. 1):771–7, Jun 76
Note on males' and females' preferences for opposite-sex body parts, bust sizes, and bust-revealing clothing. Wildman RW, et al. **Psychol Rep** 38(2):485–6, Apr 76
Physiological assessment of sexual arousal in women. Hoon PW, et al. **Psychophysiology** 13(3):196–204, May 76
Mammals in which females are larger than males. Ralls K.
Q Rev Biol 51(2):245–76, Jun 76 (239 ref.)
Sex-dependent behavioral effects of cerebral cortical lesions in the developing rhesus monkey. Goldman PS, et al.
Science 186(4163):540–2, 8 Nov 74
Letter: Sex-associated antigens in mice and rats. Hildemann WH. **Science** 185(4155):962–3, 13 Sept 74
Sexual differences in the auditory system of the tree frog Eleutherodactylus coqui. Narins PM, et al. **Science** 192(4237):378–80, 23 Apr 76
Clades versus clones in evolution: why we have sex. Stanley SM. **Science** 190(4212):382–3, 24 Oct 75
Sex differences in cognition: a function of maturation rate? Waber DP. **Science** 192(4239):572–4, 7 May 76
Sex and the single hemisphere: specialization of the right hemisphere for spatial processing. Witelson DF. **Science** 193(4251):425–27, 30 Jul 76
The validity of retrospective reports of unwanted births in the United States: effects of preference for children of a given sex. Kruegel DL. **Stud Fam Plann** 6(9):345–8, Sep 75
[The pedagogic adventure of sexology] Nicoli RM.
Nouv Presse Med 4(38):2741–4, 2746, 8 Nov 75 **(Fre)**
[Empirism, emancipation and sex research] Amendt G.
Beitr Sexualforsch 49:10–22, 1970 **(Ger)**
[Wilhelm Reich— or sexuality between science and politics] Dörner K. **Beitr Sexualforsch** 49:128–39, 1970 **(Ger)**
[Primordial structures of feminine maturation as reflected in fairy tales. Contribution to the anthropology of sexuality] Schlee T. **Z Klin Psychol Psychother** 24(1):28–42, 1976 (Eng. Abstr.) **(Ger)**
[Sexual medicine weekday] Franke K. **ZFA** 52(8):391–5, 20 Mar 76 **(Ger)**
[Sexuality and some aspects of social development] Imieliński K. **Ginekol Pol** 46(10):1089–94, Oct 75 (Eng. Abstr.) **(Pol)**
[The influence of differences in the Rec-genotype of E. coli cells on the function of sex factor F'] Pavlovich AI.
Biull Eksp Biol Med 80(11):99–101, Nov 75 (Eng. Abstr.) **(Rus)**

SEX ATTRACTANTS see under **PHEROMONES**

SEX BEHAVIOR

The promiscuity pill principle (P-P-P). Livingston GA, et al. **Acta Cytol (Baltimore)** 20(1):4, Jan–Feb 76
Sexual subcultures and contemporary heterosexual interaction patterns among adolescents. Berg DH.
Adolescence 10(40):543–8, Winter 75
Sexual problems after myocardial infarction. Bloch A, et al.
Am Heart J 90(4):536–7, Oct 75
All American sexual myths. Allen AJ. **Am J Nurs** 75(10):1770–1, Oct 75
The young adult. Taking a sexual history. Roznoy MS.
Am J Nurs 76(8):1279–82, Aug 76
Adolescent sexuality and paramarriage. Montgomery TL.
Am J Obstet Gynecol 124(8):818–24, 15 Apr 76
Early sex education in relationship to later coital and reproductive behavior: evidence from Jamaican women. Brody EB, et al. **Am J Psychiatry** 133(8):969–72, Aug 76
A new concept and finding in morbid jealousy. Docherty JP, et al. **Am J Psychiatry** 133(6):679–83, Jun 76
Physicians' erotic and nonerotic physical involvement with patients. Perry JA. **Am J Psychiatry** 133(7):838–40, Jul 76
Assortative mating, linkage and genotypic frequencies. Vetta A. **Ann Hum Genet** 39(1):105–9, Jul 75
Comments on Fisher's theory of assortative mating. Vetta A, et al. **Ann Hum Genet** 38(2):243–8, Oct 74
On the role of sexual behavior in the spread of hepatitis B infection. Szumness W, et al. **Ann Intern Med** 83(4):489–95, Oct 75
Sexual excitement. Stoller RJ. **Arch Gen Psychiatry** 33(8):899–909, Aug 76
Sexual adjustment and feminine attractiveness among spinal cord injured women. Bregman S, et al.
Arch Phys Med Rehabil 57(9):448–50, Sep 76
Premarital sexual attitudes of unmarried university students: 1968 vs. 1972. Bauman KE, et al. **Arch Sex Behav** 5(1):29–37, Jan 76
Bisexuality in women. Blumstein PW, et al.
Arch Sex Behav 5(2):171–81, Mar 76
Sexual experience and sexual responsiveness: sex differences. Griffitt W. **Arch Sex Behav** 4(5):529–40, Sep 75
Homosexuality: behaviours and attitudes. Haynes SN, et al.
Arch Sex Behav 5(4):269–74, Jul 76
Personality correlates of male sexual arousal and behavior. Husted JR, et al. **Arch Sex Behav** 5(2):149–56, Mar 76
The frequency of sexual intercourse during pregnancy. Morris NM. **Arch Sex Behav** 4(5):501–7, Sep 75
Effect of modeling on sexual imagery. Sachs DH, et al.
Arch Sex Behav 5(4):269–74, Jul 76
Atttitudes of the aged toward nontraditional sexual behavior. Snyder EE, et al. **Arch Sex Behav** 5(3):249–54, May 76
Formal and informal sex education as determinants of premarital sexual behavior. Spanier GB.
Arch Sex Behav 5(1):39–67, Jan 76
Mother–father and daughter–male relationships: a comparison. Uddenberg N. **Arch Sex Behav** 5(1):69–79, Jan 76
Sexuality and the retarded. Tenbrinck MS. **Ariz Med** 32(12):936–8, Dec 75
Cardiovascular and physiological aspects of sex. Johnson CD.
Bol Asoc Med PR 68(6):133–6, Jun 76
Conservatism and premarital sexual experience. Thomas DR.
Br J Soc Clin Psychol 14(2):195–6, Jun 75
Editorial: Promiscuity and infertility. **Br Med J** 3(5982):501–2, 30 Aug 75
Letter: Rectal loss of vaginal vibrators. **Br Med J** 1(6013):837, 3 Apr 76
Vaginal vibrator lodged in rectum. Haft JS, et al.
Br Med J 1(6010):626, 13Mar 76
Primary ventricular fibrillation and resumption of work, sexual activity, and driving after first acute myocardial infarction. Kushnir B, et al. **Br Med J** 4(5997):609–11, 13 Dec 75
Letter: Sexual aspects of medicine. Prentice GM.
Br Med J 4(5987):41, 4 Oct 75
Letter: Sexual life after gynaecological operations. Rayner C. **Br Med J** 3(5979):368, 9 Aug 75
Letter: Normal sexual response. Russell T. **Br Med J** 3(5979):368–9, 9 Aug 75
Letter: Promiscuity and infertility. Sparks RA. **Br Med J** 4(5992):346, 8 Nov 75
Letter: Promiscuity and infertility. Wilkinson M.
Br Med J 4(5989):164, 18 Oct 75
Letter: Conference on ethical issues in sex research and sex therapy. Morse JM, et al. **Can Med Assoc J** 115(4):308, 21 Aug 76
Sexuality and the physically handicapped. Schlesinger B.
Can Med Assoc J 114(9):772–3,809, 8 May 76
Memo to child care workers: notes on the management of sex and stealing. Lambert P. **Child Welfare** 55(5):329–34, May 76
Sexually transmitted diseases of the anus and rectum. Catterall RD. **Clin Gastroenterol** 4(3):659–69, Sep 75
Sexual behaviour of hemodialyzed patients. Bommer J, et al. **Clin Nephrol** 6(1):315–8, Jul 76
Sexual behavior and affective disorders. Spalt L.
Dis Nerv Syst 36(12):644–7, Dec 75
Sexual and contraceptive knowledge, attitudes and behavior of male adolescents. Finkel ML, et al.
Fam Plann Perspect 7(6):256–60, Nov–Dec 75
Continued sexual activity depends on health and the availability of a partner. Kent S. **Geriatrics** 30(11):142–4, Nov 75
Family extrusion of the aged patient: family homeostasis and sexual conflict. Miller MB, et al. **Gerontologist** 15(4):291–6, Aug 75
Proceedings: The incidence and nature of sexual problems among married ileostomists. Burnham WR, et al. **Gut** 17(5):391–2, May 76
Celibacy, late marriage and potential mates in a Swiss isolate. Friedl J, et al. **Hum Biol** 48(1):23–35, Feb 76
A preliminary investigation of changes in sexual relations following stroke. pp. 175–83. Malone PE.
In: Brookshire RH, ed. Clinical aphasiology. Minneapolis, BRK Publishers, 1975. W3 C5698 1975c.
Behavioral rhythms related to the menstrual cycle. pp. 309–24. O'Connor JF, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972. (74 ref.)
The behaviorally feminine male child: pretranssexual? Pretransvestic? Prehomosexual? Preheterosexual? PP. 301–14. Green R.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Cryptorchidism, development of gender identity, and sex behavior. pp. 281–99. Meyer-Bahlburg HF, et al.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Social and psychological aspects of sexual behavior among the aged. pp. 89–95. Kahana B.
In: Hafez ES, ed. Aging and reproductive physiology. Ann Arbor, Ann Arbor Science, 1976. Wi PE871AP v.2 1976. (10 ref.)
Celibacy, late marriage and potential mates in a Swiss isolate. pp. 23–35. Fried J, et al.
In: Kaplan BA, ed. Anthropological studies of human

fertility. Detroit, Wayne State Univ Press, 1976. GN 241 S989a 1975.

Effects of surgical contraception on sexual behavior. pp. 161–6. Rodgers DA, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Some sexual aspects of the rehabilitation of cardiac patients. pp. 118–29. Wagner N.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Possible effects of the periodic abstinence method. pp. 96–108. Guerrero R.
In: Uriechio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Estrogens and psychic functions. pp. 118–33. Kopera H.
In: van Keep PA, Lauritzen C, ed. Ageing and estrogens. Basel, Karger, 1973. W1 FR946F v.2 1973. (54 ref.)

Leland: a love story. Datan N. **Int J Aging Hum Dev** 6(4):283–91, 1975

Social and behavioural aspects of venereal disease among resident male university students. Babu DS, et al. **Int J Epidemiol** 5(2):121–4, Jun 76

Crucifixion fantasies and their relation to the primal scene: a reply to the discussion by Eugenio Gaddini. Edelheit H. **Int J Psychoanal** 56(2):239–40, 1975

Object choice and actual bisexuality. Limentani A. **Int J Psychoanal Psychother** 5:205–17, 1976

The treatment of sexual problems. Bancroft JH. **Ir Med J** 68(18):465–9, 11 Oct 75

Premarital sexual behavior and sociocultural factors of college students: A comparison of two Eastern universities. Sorensen AA, et al. **J Am Coll Health Assoc** 24(3):169–74, Feb 76

Sex in geriatrics: myth or miracle? West ND. **J Am Geriatr Soc** 23(12):551–2, Dec 75

The influence of the primal scene on the sexual behavior of an early adolescent. Isay RA. **J Am Psychoanal Assoc** 23(3):535–53, 1975

A factor-analytic examination of sexual behaviors and attitudes and marihuana usage. Burdsal C, et al. **J Clin Psychol** 31(3):568–72, Jul 75

Relationship between sex drive and sexual frustration and purpose in life. Sallee DT, et al. **J Clin Psychol** 32(2):273–5, Apr 76

Extramarital relationships: a reapraisal. Weil MW. **J Clin Psychol** 31(4):723–5, Oct 75

Effects of guilt, approachability of examiner, and stimulus relevance upon sexual responses to thematic apperception stimuli. Janda LH. **J Consult Clin Psychol** 43(3):369–74, Jun 75

Social attitudes and sexual behaviors of college students. Joe VC, et al. **J Consult Clin Psychol** 43(3):430, Jun 75

Nothing to hide. van Parijs LG. **J Psychiatr Nurs** 14(6):33–4–39, Jun 76

Contemporary influences on sexual response. 1. The work ethic. Johnson VE, et al. **J Sch Health** 46(4):211–5, Apr 76

New data about female sexual response. Butler CA. **J Sex Marital Ther** 2(1):40–6, Spring 76

The assessment of nocturnal REM erection in the differential diagnosis of sexual impotence. Fisher C, et al. **J Sex Marital Ther** 1(4):277–89, Summer 75

Initiation problems and time structuring in brief sex therapy. Maddock JW. **J Sex Marital Ther** 1(3):190–7, Spring 75

Sexual counseling with spinal cord–injured clients. Miller DK. **J Sex Marital Ther** 1(4):312–8, Summer 75

Imagery, shaping, and orgasm. Nims JP. **J Sex Marital Ther** 1(3):198–203, Spring 75

Editorial: A false dichotomy? Sager CJ. **J Sex Marital Ther** 1(3):187–9, Spring 75

Sex is a family affair: sources of discord and harmony. Scharff DE. **J Sex Marital Ther** 2(1):17–31, Spring 76

Behavioral and psychodynamic dimensions of the new sex therapy. Sollod RN. **J Sex Marital Ther** 1(4):335–40, Summer 75

Sex therapy and mastectomy. Witkin MH. **J Sex Marital Ther** 1(4):290–304, Summer 75

Group treatment of sexual dysfunction in men without partners. Zilbergeld B. **J Sex Marital Ther** 1(3):204–14, Spring 75

Behavioral effects of viewing pornography. Brown M, et al. **J Soc Psychol** 98(Second Half):235–45, Apr 76

Editorial: Cuddling: the influences of culture and sex. Hussey HH. **JAMA** 235(4):417, 26 Jan 76

Human sexuality and medical education. James B, et al. **Lancet** 2(7985):560–3, 11 Sep 76

Masturbation and nocturnal emissions—possible mechanisms for minimising teratozoospermie and hyperpermie in man. Levin RJ. **Med Hypotheses** 1(3):130–1, May–Jun 75

An experimental brief course in sexual behaviour and counseling. Montgomery RB, et al. **Med J Aust** 2(13):527–9, 27 Sep 75

How you can help patients with physical ailments to a better sex life. Golden JS. **Med Times** 104(9):83–91, Sep 76

The case for chastity. Millard CE. **Med Times** 103(9):152–63, Sep 75

Sexuality in a healthcare setting. Downey GW. **Mod Health Care** 5(5):20–3, 25–7, May 76

Letter: Pneumoperitoneum secondary to cunnilingus. Ashai S, et al. **N Engl J Med** 295(2):117, 8 Jul 76

Human sexual response patterns. Woods NF, et al. **Nurs Clin North Am** 10(3):529–38, Sep 75

Sexuality, nursing practice, and the person with cardiac disease. Van Bree NS. **Nurs Forum** 14(4):397–411, 1975

Letter: Teenage sexuality. Diethelm ML. **NY State J Med** 75(13):2455, Nov 75

Sexual activity and contraception use in young adults. Page R, et al. **NZ Med J** 82(550):261–4, 22 Oct 75

Sexual freedon — how does the occupational health nurse handle it? Schwartz RM. **Occup Health Nurs (NY)** 24(4):11–4, Apr 76

Common sexual problems of children and adolescents. Satterfield S. **Pediatr Clin North Am** 22(3):643–52, Aug 75 (12 ref.)

Sex differences in expected guilt reactions to hypothetical behaviors of sexual, hostile, and moral substance. Heying RH, et al. **Percept Mot Skills** 40(2):409–10, Apr 75

The role af amines in sexual activity of rats deprived of pineal gland. Borzęcki Z. **Pol J Pharmacol Pharm** 27(Suppl):69–75, Oct 75

Sexually transmitted disease and the gynaecologist. Marshall J. **Proc R Soc Med** 68(4):233–4, Apr 75

Prison homosexuality and its effect on post–prison sexual behavior. Sagarin E. **Psychiatry** 39(3):245–57, Aug 76

The extramarital affair: a psychoanalytic view. Strean HS. **Psychoanal Rev** 63(1):101–13, Spring 76

Promiscuity as a function of the mother–daughter relationship. Gerson A. **Psychol Rep** 38(1):113–4, Feb 76

The development of puberty, the sexual début and sexual function in hypospadiacs. Avellán L. **Scand J Plast Reconstr Surg** 10(1):29–44, 1976

Effects of unstable sexual unions on fertility in Guayaquil, Ecuador. Chen KH, et al. **Soc Biol** 21(4):353–9, Winter 74

Breastfeeding, amenorrhea, and abstinence in Javanese village: a case study of Mojolama. Singarimbun M, et al. **Stud Fam Plann** 7(6):175–9, Jun 76

On the association of sex and violence in the fantasy production of college students. Gelles RJ. **Suicide** 5(2):78–85, Summer 75

Sexual function and fecundity after treatment for testicular tumors. Bracken RB, et al. **Urology** 7(1):35–8, Jan 76

[Group sex in USA] Merhaut B. **Cas Lek Cesk** 115(4):119–20, 30 Jan 76 **(Cze)**

[Sexual life of top sportsmen's wives (author's transl)] Tauš L, et al. **Cas Lek Cesk** 115(26):788–92, 2 Jul 76 (Eng. Abstr.) **(Cze)**

[Strange woman as object of deviant male and biology of phases of sexual behaviour (author's transl)] Kolářský A, et al. **Cesk Psychiatr** 71(5):291–4, Oct 75 (Eng. Abstr.) **(Cze)**

[Knowledge and opinions on sexuality among young French-speaking Belgians] Rucquoy G, et al. **Acta Psychiatr Belg** 75(5):449–791, Sep 75 (Eng. Abstr.) **(Fre)**

[Comments on 'Beginning of effective sex relationships' Hesse PG. **Aerztl Jugendkd** 66(2):178–9, Jun 75 **(Ger)**

[Sex Esthetics] Gorsen P. **Beitr Sexualforsch** 49:120–7, 1970 **(Ger)**

[Tearoom trade. Impersonal sex in public places] Humphreys L. **Beitr Sexualforsch** 54(0):1–138, 1974 **(Ger)**

[Pattern of sex behavior in young workers and students] Schmidt G, et al. **Beitr Sexualforsch** 49:104–19, 1970 **(Ger)**

[Psychosexual stimulation by pictures and movies: sex-specific differences] Sigusch V, et al. **Beitr Sexualforsch** 49:39–53, 1970 **(Ger)**

[Sex behavior and endogenic depressive phases] pp. 107–11. Matussek P.
In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973. **(Ger)**

[Sexual medicine aspects of hysterectomy] Wenderlein JM. **Med Welt** 27(14):660–1, 2 Apr 76 **(Ger)**

[Xesual advice to coronary patients] Halhuber C. **Ther Ggw** 115(6):1050–67, Jun 76 **(Ger)**

[Ultrastructure of the mole epididymis during the sexual inactivity phase] Aumüller G, et al. **Verh Anat Ges** 68:203–12, 1974 (Eng. Abstr.) **(Ger)**

[Attitudes of 11th and 12th grade pupils to partnership, marriage and family. A comparison between an industrial and a farming community] Karsdorf G, et al. **Z Gesamte Hyg** 22(7):545–8, Jul 76 (Eng. Abstr.) **(Ger)**

[Sexual behavior in higher age] Aresin L. **Z Gesamte Inn Med** 31(4):120–3, 15 Feb 76 **(Ger)**

[Sex behavior of female patients following therapy for cervix carcinomas] Henning G, et al. **Zentralbl Gynaekol** 97(25):1562–70, 1975 (Eng. Abstr.) **(Ger)**

[Sexuality in the elderly] von Schumann HJ. **ZFA (Stuttgart)** 52(21):1091–1102, 31 Jul 76 **(Ger)**

[Normalcy and pathology in sexuology] Imieliński K. **Ginekol Pol** 46(9):941–9, Sep 75 **(Pol)**

[Sexuality and some aspects of social development] Imieliński K. **Ginekol Pol** 46(10):1089–94, Oct 75 (Eng. Abstr.) **(Pol)**

[Prospects for the development of sexology] Imieliński K. **Wiad Lek** 28(24):2005–9, 15 Dec 75 **(Pol)**

[Micromastia as a factor causing withdrawal from sexual life] Imieliński K, et al. **Wiad Lek** 29(13):1181–4, 1 Jul 76 (Eng. Abstr.) **(Pol)**

[Sexual behavior in relation to the mental state of patients after myocardial infarct] Desiatnikov VF, et al. **Sov Med** (12):86–91, Dec 75 (Eng. Abstr.) **(Rus)**

[Editorial: Sex behavior] Woolrich J. **Gac Med Mex** 110(3):147–9, Sep 75 **(Spa)**

[Psychosexual and clinical evaluation of patients following hysterectomy] Flores Carreras O, et al. **Ginecol Obstet Mex** 38(227):171–6, Sep 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Pharmacological experiments to stimulate human sexual behaviour. pp. 489–95. Benkert O.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. (21 ref.)

New biochemical approaches to the discovery of psychoactive drugs. pp. 3–12. Pletscher A.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Discussion: effect of hormones on the development of behavior. pp. 77–84.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.

Behavioural responses to sex steroids of gonadectomized and sexually regressed quail. Adkins EK, et al. **J Endocrinol** 68(1):49–55, Jan 76

Effects of some drugs on psychosexual response in man. Chetanasilpin P, et al. **J Med Assoc Thai** 58(10):509–14, Oct 75

Drugs and sexual behavior in man. Hollister LE. **Life Sci** 17(5):661–7, 1 Sep 75 (28 ref.)

Oral contraception and sexuality. Dennerstein L, et al. **Med J Aust** 1(21):796–8, 22 May 76 (25 ref.)

Effects of alcohol on male sexual responding. Rubin HB, et al. **Psychopharmacologia** 47(2):123–34, 28 May 76

[Utilization of cyproterone acetate for fertility inhibition in the male. Influence on sexual behavior and sperm biochemistry] Lorenz F, et al. **Arch Gynaekol** 219(1–4):580–1, 18 Nov 75 **(Ger)**

PHYSIOLOGY

Sex therapy and psychophysiological research. Schiavi RC. **Am J Psychiatry** 133(5):562–6, May 76

Rehabilitation professionals and sexual counseling for spinal cord injured adults. Cole TM, et al. **Arch Sex Behav** 4(6):631–8, Nov 75

Cognitive factors in sexual arousal: the role of distraction. Geer JH, et al. **J Consult Clin Psychol** 44(2):238–43, Apr 76

Proceedings: Circannual rhythms in plasma LH, FSH and testosterone and in the sexual activity of healthy young Parisian males. Lagoguey M, et al. **J Physiol (Lond)** 257(1):19P–20P, May 76

Editorial: The female of the species. Kaplan HS. **J Sex Marital Ther** 1(2):95–6, Winter 74

Some biology of sexuality. Sherfey MJ. **J Sex Marital Ther** 1(2):97–109, Winter 74

The neurological basis of sex. Walker AE. **Neurol India** 24(1):1–13, Mar 76

SEX BEHAVIOR, ANIMAL

Serum luteinizing hormone and testosterone after sexual stimulation in male rabbits. Agmo A. **Acta Physiol Scand** 96(1):140–2, Jan 76

The attractiveness to males of female Drosophila melanogaster: effects of mating, age and diet. Cook R, et al. **Anim Behav** 23(3):521–6, Aug 75

Postcastration retention of sexual behaviour in the male BDF1 mouse: the role of experience. Manning A, et al. **Anim Behav** 24(3):523–33, Aug 76

Effects of adrenalectomy on the sexual behaviour of castrated and intact BDF1 mice. Thompson ML, et al. **Anim Behav** 24(3):519–22, Aug 76

Ambisexual behavior with male–male anal penetration in male rhesus monkeys. Erwin J, et al. **Arch Sex Behav** 5(1):9–14, Jan 76

Multiple ejaculations during prolonged sexual tests and lack of resultant serum testosterone increases in Male Stumptail Macaques (M. arctoides). Goldfoot DA, et al. **Arch Sex Behav** 4(5):547–60, Sep 75

Contact stimulation and accelerated sexual maturation of female mice. Drickamer LC. **Behav Biol** 15(1):113–5, Sep 75

Excitory and inhibitory effects of stimulation applied during the postejaculatory interval of the male rat. Pollak EI, et al. **Behav Biol** 15(4):449–61, Dec 75

Differences in mating propensities: some models for examining the genetic consequences. Taylor CE. **Behav Genet** 5(4):381–93, Oct 75

Courtship song and mating speed in hybrids between Drosophila melanogaster and Drosophila simulans. von Schilcher F, et al. **Behav Genet** 5(4):395–404, Oct 75

Male discrimination and investments in Asellus aquaticus (L.) and A. meridianus Racovitsza (Crustacea: Isopoda). Manning JT. **Behaviour** 55(1–2):1–14, 1975

A developmental comparison of steroid-induced and male-induced ovulation in young mice. Bronson FH. **Biol Reprod** 12(3):431–7, Apr 75

Effects of age and season on sexual behavior and plasma testosterone and dihydrotestosterone concentrations of laboratory-housed male rhesus monkeys (Macaca mulatta). Robinson JA, et al. **Biol Reprod** 13(2):203–10, Sep 75

The relationship of the olfactory EEG evoked by naturally-occurring stream waters to the homing behavior

of sockeye salmon (Oncorhynchus nerka, Walbaum). Bodznick D. **Comp Biochem Physiol [A]** 52(3):487–95, 1 Nov 75

Behavior of gynandromorphs of the wasp Habrobracon juglandis. Clark AM, et al. **Dev Biol** 45(2):251–9, Aug 75

Differentiation between neural and hormonal control of sexual behavior and gonadotropin secretion in the female rat. Rodgers CH, et al. **Endocrinology** 98(3):778–86, Mar 76

Male-like sexual behaviour of female rats with unilateral lesions in the hypothalamic ventromedial nuclear region. Dörner G, et al. **Endokrinologie** 65(2):133–7, 1975

Environmental effects on longevity in the male rat: exercise, mating, castration and restricted feeding. Drori D, et al. **Exp Gerontol** 11(1–2):25–32, 1976

Frequency-dependent mating success among mutant ebony of Drosophila melanogaster. de Magalhães LE, et al. **Experientia** 32(3):309–10, 15 Mar 76

Influence of neonatal castration or neonatal anti-gonadotropin treatment on fertility, phallus development, and male sexual behavior in the mouse. Quadagno DM, et al. **Fertil Steril** 26(9):939–44, Sep 75

Annual variation in reproductive behavior, testosterone, and plasma FSH levels in the Rouen duck, Anas platyrhynchos. Balthazart J, et al. **Gen Comp Endocrinol** 28(2):171–83, Feb 76

Mating behaviour as a fitness component in maintaining allozyme polymorphism in Drosophila melanogaster. Aslund S, et al. **Hereditas** 82(2):175–8, 14 Jun 76

Estimation of assortative mating preferences in the Arctic skua. Davis JW, et al. **Heredity (Lond)** 36(2):235–44, Apr 76

Sexual attractivity, proceptivity, and receptivity in female mammals. Beach FA. **Horm Behav** 7(1):105–38, Mar 76

Plasma luteinizing hormone during the breeding cycle of the female ring dove. Cheng MF, et al. **Horm Behav** 7(2):199–205, Jun 76

Effects of castration on sexual behavior of tropical male goats. Hart BL, et al. **Horm Behav** 6(3):247–58, Sep 75

The behavioral and somatic effects of ovariectomy and replacement therapy in female collared lemmings (Dicrostonyx groenlandicus). Hasler JF, et al. **Horm Behav** 7(1):59–74, Mar 76

Alterations in plasma concentrations of testosterone, LH, and prolactin associated with mating in the male rat. Kamel F, et al. **Horm Behav** 6(3):277–88, Sep 75

Decline of sexual behavior in castrated male rats: effects of female precopulatory behavior. Madlafousek J, et al. **Horm Behav** 7(2):245–52, Jun 76

Relationship between neuroendocrine mechanisms controlling sexual behaviour and ovulation in primates. pp. 286–93. Herbert J.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

The bisexual behavior of female rhesus monkeys. pp. 399–412. Michael RP, et al.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.

Mating preferences and their genetic effects in models of sexual selection for colour phases of the Arctic Skua. pp. 411–30. O'Donald P.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Some observations on the sexual behaviour of captive lowland gorillas, gorilla g. gorilla (Savage and Wyman). pp. 507–81. Hess JP.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.

Reproductive rhythms in animals. pp. 31–42. Nalbandov AV.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Effect of feeding, spawning & size on chemical constituents of the blood plasma of Clarias batrachus (Linn.). Siddiqui N. **Indian J Exp Biol** 13(2):203–5, Mar 75

Studies on the mating competition of gamma-irradiated and non-irradiated males of melon fruit fly (Dacus cucurbitae). Ahmed CR. **Int J Appl Radiat Isot** 26(6–7):407–9, Jun–Jul 75

Brain serotonin synthesis and sexual behavior in rats. Hyyppä MT, et al. **Int J Neurol** 10(1–4):132–40, 1975

Bulling among yearling feedlot steers. Pierson RE, et al. **J Am Vet Med Assoc** 169(5):521–3, 1Sep 76

Effects of seasonal and social factors on testicular activity and hormone levels in domestic pigeons. Haase E, et al. **J Exp Zool** 197(1):81–7, Jul 76

Proceedings: Predicting the number of corpora lutea in Merino ewes. Fowler DG. **J Reprod Fertil** 46(2):525, Mar 76

Sexual receptivity and oestrus in the white-toothed shrew, Crocidura russula monacha. Hellwing S. **J Reprod Fertil** 45(3):469–77, Dec 75

The copulatory behaviour of adult male patas monkeys, Erythrocebus patas. Loy J. **J Reprod Fertil** 45(1):193–5, Oct 75

Annual changes in the sexual potency of captive male rhesus monkeys. Michael RP, et al. **J Reprod Fertil** 45(1):169–72, Oct 75

Reproduction in feral horses. Feist JD, et al. **J Reprod Fertil [Suppl]** (23):13–8, Oct 75

Social organization and reproduction in equids. Klingel H. **J Reprod Fertil [Suppl]** (23):7–11, Oct 75

Abnormalities of mating behaviour in domestic stallions. Pickett BW, et al. **J Reprod Fertil [Suppl]** (23):129–34, Oct 75

Hormonal steroids and sexual communication in primates. Michael RP. **J Steroid Biochem** 6(3–4):161–70, Mar–Apr 75 (23 ref.)

Mate selection–a selection for a handicap. Zahavi A. **J Theor Biol** 53(1):205–14, Sep 75

Role of monoamines in sexual behavior of the female guinea pig. Crowley WR, et al. **Pharmacol Biochem Behav** 4(1):67–71, Jan 76

Individual odor differences and their social functions in insects. Barrows EM, et al. **Proc Natl Acad Sci USA** 72(7):2824–8, Jul 75

The estrous cycle in the lethal spotting mice. de Oliveira AP. **Rev Bras Pesqui Med Biol** 8(2):87–94, Mar–Apr 75

Peromyscus: effect of early pairing on reproduction. Hill JL. **Science** 186(4168):1042–4, 13 Dec 74

Sexual cyclicity in captive lowland gorillas. Nadler RD. **Science** 189(4205):813–4, 5 Sep 75

A pairing process. Dietz K. **Theor Popul Biol** 8(1):81–86, Aug 75

The population genetics of assortative mating based on imprinting. Matessi C, et al. **Theor Popul Biol** 7(3):306–37, Jun 75

The influence of taking uterine biopsies on the concentration of some steroids in the blood and in the uterus, on the ovarian activity, and on the sexual behaviour of the mare. Nitschelm D, et al. **Tijdschr Diergeneeskd** 101(14):796–804, 15 Jul 76

Letter: Apparent absence of a sex attractant in adult Triatoma infestans (Klug), vector of Chagas' disease. Schofield CJ, et al. **Trans R Soc Trop Med Hyg** 70(2):165–6, 1976

Intrascrotal testicular torsion in a sexually agressive dog. Zymet CL. **Vet Med Small Anim Clin** 70(11):1330–1, Nov 75

Affiliation between the sexes in common grackles. II: Spatial and vocal coordination. Wiley RH. **Z Tierphysiol** 40(3):244–64, Mar 76

Sexual behaviour following castration in experienced and inexperienced male rabbits. Agmo A. **Z Tierpsychol** 40(4):390–5, Apr 76

Displays of the honeyeater Manorina melanocephala. Dow DD. **Z Tierpsychol** 38(1):70–96, Aug 75

Sexual behavior of the lek-forming white-bearded manakin (Manacus manacus trinitatis Hartert). Lill A. **Z Tierpsychol** 36:1–36, 1974

Some aspects of sexuality and reproduction in groups of captive marmosets (Callitbrix jacchus). Rothe H. **Z Tierpsychol** 37(3):255–73, Apr 75

Affiliation between the sexes in common grackles i. specificity and seasonal progression. Wiley RH. **Z Tierpsychol** 40(1):59–79, Jan 76

[Trials of artificial vaginas for bulls (author's transl)] Uwland J. **Tijdschr Diergeneeskd** 101(13):718–27, 1 Jul 76 (Eng. Abstr.) **(Dut)**

[Different types of sexual cycles in male European vipers] Saint-Girons H. **C R Acad Sci [D] (Paris)** 282(10):1017–9, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[New data on olfactory control of estral receptivity of female rats] Satli MA, et al. **C R Acad Sci [D] (Paris)** 282(9):875–7, 1 Mar 76 (Eng. Abstr.) **(Fre)**

[Influence of recent modification of behavioral relationships of male and female OF1 mice on resistance to nitrogen or carbon monoxide hypoxia] Stupfel M, et al. **C R Acad Sci [D] (Paris)** 281(19):1401–4, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Sexual activity during the mating season in the karakul sheep] Matter HE. **Dtsch Tieraerztl Wochenschr** 82(9):368–70, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Field observations on aggressive and sexual behavior of the European wild swine (Sus scrofa L.)] Beuerle W. **Z Tierpsychol** (39):211–58, 1975 (Eng. Abstr.) **(Ger)**

[Studies on the Sexual Behavior of Cyrtophora cicatrosa (Stoliczka)(Araneae, Araneidae)] BLANKE VR. **Z Tierpsychol** 37(1):62–74, Feb 75 (Eng. Abstr.) **(Ger)**

[The circannual rhythm of reproductive activity in the starling (Sturnus vulgaris) under the influence of homosexual and heterosexual mates of the same species] Gwinner VE. **Z Tierpsychol** 38(1):34–43, Aug 75 (Eng. Abstr.) **(Ger)**

[Imprinting of domestic animals on man] Sambraus VH, et al. **Z Tierpsychol** 38(1):1–17, Aug 75 (Eng. Abstr.) **(Ger)**

[The mating behavior of the flamingo genus Phoenicopterus, with special reference to Ph. ruber roseus] Studer-Thiersch A. **Z Tierpsychol** 36:212–266, 1974 **(Ger)**

[Development and sexual preferences of the rat whose odour was artificially altered (author's transl)] Vijil Maeso E, et al. **Reproduccion** 2(1):13–22, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Influence of ginseng on mating behavior of male rats. Kim C, et al. **Am J Chin Med** 4(2):163–8, Summer 76

Neonatal androgen and mounting behaviour in female house mice. Holman SD. **Anim Behav** 24(1):135–40, Feb 76

Effects of genotype on differential behavioral responsiveness to progesterone and 5alpha-dihdroprogesterone in mice. Gorzalka BB, et al. **Behav Genet** 6(1):7–15, Jan 76

Pentobarbital inhibition of progesterone-induced behavioral estrus in ovariectomized guinea pigs. Terasawa E, et al. **Brain Res** 107(2):375–83, 7 May 76

Heterotypical sexual behavior in male rats: individual difference in lordosis respones. Yamanouchi K, et al. **Endocrinol Jpn** 23(2):179–82, Apr 76

Blockade of testosterone-induced mounting behavior in the male rat with intracranial application of the aromatization inhibitor, androst-1,4,6,-triene-3,17-dione. Christensen LW, et al. **Endocrinology** 97(6):1545–51, Dec 75

Effects of a non-steroidal antiandrogen on sexual behavior and pituitary-gonadal function in the male rat. Södersten P, et al. **Endocrinology** 97(6):1468–75, Dec 75

Is feminine differentiation of the brain hormonally determined? Shapiro BH, et al. **Experientia** 32(5):650–1, 15 May 76

Differential effects of the anti-estrogen MER-25 and of three 5alpha-reduced androgens on mounting and lordosis behavior in the rat. Baum MJ, et al. **Horm Behav** 7(1):87–104, Mar 76

Synergistic actions of estrogen and androgen on the sexual behavior of the castrated male rabbit. Beyer C, et al. **Horm Behav** 6(3):301–6, Sep 75

A re-examination of the lordosis response in female rats given high doses of testosterone propionate or estradiol benzoate in the neonatal period. Brown-Grant K. **Horm Behav** 6(4):351–78, Dec 75

Differential sensitivity of mounting and lordosis control systems to early androgen treatment in male and female hamsters. Debold JF, et al. **Horm Behav** 6(2):197–209, Jun 75

Mounting behavior of female guinea pigs after prenatal and adult administration of the propionates of testosterone, dihydrotestosterone, and androstanediol. Goldfoot DA, et al. **Horm Behav** 6(2):139–48, Jun 75

Lack of effect of vaginal lavages and aliphatic acids on ejaculatory responses in rhesus monkeys: behavioral and chemical analyses. Goldfoot DA, et al. **Horm Behav** 7(1):1–27, Mar 76

Hormone effects on male sex behavior in adult South African clawed frogs, Xenopus laevis. Kelley DB, et al. **Horm Behav** 7(2):159–82, Jun 76

Induction of lordosis in female rats: two modes of estrogen action and the effect of adrenalectomy. Kow LM, et al. **Horm Behav** 6(3):259–76, Sep 75

Interactions of progesterone and dihydroprogesterone with dihydrotestosterone on estrogen activated sexual receptivity in female mice. Luttge WG, et al. **Horm Behav** 7(2):253–7, Jun 76

Hormones and social behavior in the lizard, Anolis carolinensis. Mason P, et al. **Horm Behav** 7(1):75–86, Mar 76

Female sexual behavior in the male rat: facilitation by cortical application of potassium chloride. Merari A, et al. **Horm Behav** 6(2):159–64, Jun 75

Facilitation of female sexual behavior in male rats by septal lesions: an interaction with estrogen. Nance DM, et al. **Horm Behav** 6(3):289–99, Sep 75

Aromatizable and 5alpha-reduced androgens: differentiation between central and peripheral effects on male rat sexual behavior. Parrott RF. **Horm Behav** 6(2):99–108, Jun 75

Homotypical sexual behavior in gonadectomized female and male rats treated with 5alpha-19-hydroxytestosterone: comparison with related androgens. Parrott RF. **Horm Behav** 7(2):207–15, Jun 76

Anti-estrogenic suppression of the lordosis response in female rats. Powers JB. **Horm Behav** 6(4):379–92, Dec 75

Mounting behavior and lordosis behavior in castrated male rats treated with testosterone propionate, or with estradiol benzoate or dihydrotestosterone in combination with testosterone propinonate. Södersten P. **Horm Behav** 6(2):109–26, Jun 75

Receptive behavior in developing female rats. Södersten P. **Horm Behav** 6(4):307–17, Dec 75

The role of aromatization in androgen stimulation of gerbil scent marking. Yahr P. **Horm Behav** 7(2):259–65, Jun 76

The action of 5,6-dihydroxytryptamine and l-dopa on sexual behaviour of male rats. pp. 517–22. Da Prada M, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. (22 ref.)

Role of brain monoamines in controlling sexual behavior in male animals. pp. 451–62. Gessa GL, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Monoamines and female sexual behaviour. pp. 463–72. Meyerson BJ, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. (33 ref.)

Regulation of sexual behavior. pp. 503–16. Steinbeck H, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. (55 ref.)

Discussion: effect of hormones on the development of behavior. pp. 77–84.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.

Prenatal testosterone in the nonhuman primate and its consequences for behavior. pp. 19–32. Phoenix CH.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973. (28 ref.)

Sexual behavior differentiation: prenatal hormonal and environmental control. pp. 3–17. Ward IL.

In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973. (57 ref.)

Sex hormone-dependent differentiation of the hypothalamus and sexuality. pp. 47–51. Dörner G.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Mechanisms of androgen induced masculine differentiation of the rat brain. pp. 27–45. Gorski RA.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971. (49 ref.)

L-DOPA: its action on sexual behaviour and brain monoamines of the rat. pp. 297–304. Hyyppä M, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Sexual behaviour after neonatal reserpine and pCPA treatment with comment about hypothalamic indole amines in the rat. pp. 305–13. Lehtinen P, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Sexual motivation in the neonatally androgen-treated female rat. pp. 443–8. Meyerson BJ, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Absence of influence of high doses of biotin on reproductive performance in female rats. Mittelholzer E.
Int J Vitam Nutr Res 46(1):33–9, 1976

Effects of testosterone propionate administered perinatally on sexual behavior of female ferrets. Baum MJ.
J Comp Physiol Psychol 90(4):399–410, Apr 76

Role of monoamines in the control by hormones of sexual receptivity in the female rat. Everitt BJ, et al.
J Comp Physiol Psychol 89(6):556–72, Aug 75

Male hamster preference for odors of female hamster vaginal discharges: studies of experiential and hormonal determinants. Gregory E, et al. **J Comp Physiol Psychol** 89(5):442–6, Jul 75

Facilitation of receptivity in estrogen-primed rats during successive mating tests with progestins and methysergide. Henrik E, et al. **J Comp Physiol Psychol** 90(6):590–600, Jun 76

Neonatal androgenic stimulation and adult sexual behavior in male and female golden hamsters. Johnson WA.
J Comp Physiol Psychol 89(5):433–41, Jul 75

Sexual behaviour in castrated rabbits treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. Agmo A, et al.
J Endocrinol 67(3):327–32, Dec 75

Suppression of the development of female hamster behaviour by implants of testosterone and non-aromatizable androgens administered neonatally. Gerall AA, et al.
J Endocrinol 67(3):439–45, Dec 75

A comparison of the effects of neonatally administered testosterone, testosterone propionate and dihydrotestosterone on aggressive and sexual behaviour in the female golden hamster. Payne AP. **J Endocrinol** 69(1):23–31, Apr 76

Maintenance of male sexual behavior by combined treatment with oestrogen and dihydrotestosterone in CD-1 mice. Wallis CJ, et al. **J Endocrinol** 66(2):257–62, Aug 75

Proceedings: Mesencephalic reticular formation and progesterone action in sexual activities. Kubo K, et al.
J Physiol Soc Jpn 36(8–9):400–1, 1 Sep 74

Influence of perinatal progesterone on sexual activity in the male guinea pig. Regestein QR, et al. **J Psychiatr Res** 12(3):149–51, Nov 75

Modifications of post-coital LH secretion and oestrous behaviour induced by drugs in ovariectomized rats. Broitman ST, et al. **J Reprod Fertil** 44(2):309–12, Aug 75

An oestrogen-mediated effect of photoperiod on the reproductive behaviour of the budgerigar. Gosney S, et al. **J Reprod Fertil** 45(3):547–8, Dec 75

Effects of androgens on sexual behaviour and somatic variables in the male golden hamster. Payne AP, et al.
J Reprod Fertil 47(2):239–44, Jul 76

Effects of an intraventricular injection of synthetic ACTH on plasma testosterone, progesterone and LH levels and on sexual behavior in male and female rabbits. Haun CK, et al. **Neuroendocrinology** 19(3):201–13, 1975

Progesterone facilitation of sexual receptivity in rats with neural implantation of estrogen. Lisk RD, et al.
Neuroendocrinology 19(1):28–35, 1975

Potentiation of lordosis behavior by intrahypothalamic infusion of synthetic luteinizing hormone-releasing hormone. Moss RL, et al. **Neuroendocrinology** 20(2):176–81, 1976

Vitamin E and sex behavior in mice. Thiessen DD, et al.
Nutr Metab 18(3):116–9, 1975

Alpha-methyltyptamine blocks facilitation of lordosis by progesterone in spayed, extrogen-primed rats. Espino C, et al. **Pharmacol Biochem Behav** 3(4):557–9, Jul-Aug 75

Maintenance of sexual behavior in castrate male SW mice using the anti-androgen, cyproterone acetate. Hall NR, et al. **Pharmacol Biochem Behav** 3(4):551–5, Jul-Aug 75

The significance of dopamine, versus other catecholamines, for L-dopa induced facilitation of sexual behavior in the castrated male rat. Malmnäs CO.
Pharmacol Biochem Behav 4(5):521–6, May 76

Intracranial cycloheximide: effect on male mouse sexual behavior and plasma testosterone. Quadagno DM.
Pharmacol Biochem Behav 4(2):185–9, Feb 76

Effects of anti-estrogens on testosterone stimulated male sexual behavior and peripheral target tissues in the castrate male rat. Luttge WG. **Physiol Behav** 14(6):839–46, Jun 75

Neuroendocrine effects of perinatal androgenization in the male ferret. Baum MJ, et al. **Prog Brain Res** 42:343–55, 1975

Sensitizing effects of androgen and photoperiod on hypothalamic mechanisms of sexual behavior. Hutchison JB. **Prog Brain Res** 42:367, 1975

Releasing hormones and sexual behavior. Moss RL, et al.
Prog Brain Res 42:37–46, 1975

Inhibition effects of 'neo-natal' estrogenization on the sexual behavior of the male rat and modifications of the genital tract. Soulairac A, et al. **Prog Brain Res** 42:368, 1975

Intracerebral prostaglandin E2: effects upon sexual behavior, open field activity and body temperature in ovariectomized female rats. Hall NR, et al. **Prostaglandins** 10(5):877–88, Nov 75

Effects of indomethacin and prostaglandins on the spawning behaviour of female goldfish. Stacey NE. **Prostaglandins** 12(1):113–26, Jul 76

[Neurotropic substances and sexual behavior in the male rat] Soulairac A, et al. **Int J Neurol** 10(1–4):128–31, 1975 (Eng. Abstr.) **(Fre)**

[Neuroendocrine effect of sulpiride and sultopride on sexual function in rats] Soulairac A, et al. **Therapie** (4):597–612, Jul-Aug 75 **(Fre)**

[Influence of neonatally administered gonadotropin on the sexual function of adult rats] Götz F, et al.
Endokrinologie 65(1):2–6, Feb 75 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

An angiographic study of the fox testis in various stages of sexual activity. Joffre M, et al. **Anat Rec** 183(4):599–603, Dec 75

The effects of differential prenatal and postnatal social enviroments on sexual maturation of young prairie deermice (Peromyscus maniculatus bairdii). Thomas D, et al. **Anim Behav** 23(2):241–8, May 75

Female rhesus sexual behavior and distance to a male partner: relation to stage of the menstrual cycle. Czaja JA, et al.
Arch Sex Behav 4(6):583–97, Nov 75

The genetic basis of receptivity of yellow mutant Drosophila melanogaster females. Dow MA. **Behav Genet** 6(2):141–3, Apr 76

The behavioral phenotype and mating behavior of two inbred strains of Drosophila melanogaster. Hay DA.
Behav Genet 6(2):161–70, Apr 76

Behavior and single gene substitution in Drosophila melanogaster. I. Mating and courtship differences with w, cn, and bw loci. Sciandra RJ Jr, et al. **Behav Genet** 6(2):205–18, Apr 76

Frequency-dependent sexual selection among wild-type strains of Drosophila melanogaster. Tardif GN, et al.
Behav Genet 5(4):373–9, Oct 75

Circadian control of sexual drive level in Dacus tryoni (Diptera: Tephritidae). Tychsen PH. **Behaviour** 54(1–2):111–41, 1975

Nonheterosexual behavior in mosquitoes. Jones JC.
Biol Bull 149(2):365–72, Oct 75

Relation of uptake and metabolism of (1,2,6,7-3H)testosterone to individual differences in sexual behavior in male guinea pigs. Harding CF, et al.
Brain Res 105(1):137–49, 19 Mar 76

Sensory requirements for the lordosis reflex in female rats. Kow LM. **Brain Res** 101(1):47–66, 9 Jan 76

Brain stem and cerebellar lesions in female rats. II. Lordosis reflex. Modianos DT, et al. **Brain Res** 106(1):47–56, 16 Apr 76

Female lordosis pattern in the male rat induced by estrogen and progesterone: effect of interruption of the dorsal inputs to the preoptic area and hypothalamus. Yamanouchi K, et al. **Endocrinol Jpn** 22(3):243–6, Jun 75

Relation between individual differences in sexual behavior and plasma testosterone levels in the guinea pig. Harding CF, et al. **Endocrinology** 98(5):1198–205, May 76

Endocrine control of mating instinct in Dysdercus koenigii (Hemiptera: Pyrrhocoridae). Sharma U, et al.
Experientia 31(8):995–6, 15 Aug 75

Correlation between blood level of androgens and sexual behavior in male leopard frogs, Rana pipiens. Wada M, et al. **Gen Comp Endocrinol** 29(1):72–7, May 76

Gonadotropin feedback and sexual behavior: functions differentiated by perinatal androgen. pp. 377–94. Davidson JM.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974. (74 ref.)

Sexual behavior of male primates and the role of testosterone. pp. 235–313. Michael RP, et al.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971. (200 ref.)

Target cells for gonadal steroids in the brain: studies on steroid-sensitive mechanisms of behaviour. pp. 123–37. Hutchison JB.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974. (39 ref.) (Eng. Abstr.)

Integration of gonadotrophin and steroid secretion, spermatogenesis and behaviour in the reproductive cycle of male pigeon species. pp. 51–89. Murton RK, et al.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974.

Effects of perinatal gonadal secretions on parameters of receptivity and weight gain in hamsters. Gerall AA, et al.
J Comp Physiol Psychol 89(6):580–9, Aug 75

Vaginal stimulation in rats induces prolonged lordosis responsiveness and sexual receptivity. Rodriguez-Sierra JF, et al. **J Comp Physiol Psychol** 89(1):79–85, Mar 75

Dorsal root recording relevant for mating reflexes in female rats: identification of receptive fields and effects of peripheral denervation. Kow LM, et al. **J Neurobiol** 6(1):23–37, Jan 75

Mating in the rhesus monkey (Macaca mulatta) after conception and its relationship to oestradiol and progesterone levels throughout pregnancy. Bielert C, et al. **J Reprod Fertil** 46(1):179–87, Jan 76

Territory size, breeding time and mating perference in the Arctic skua. Davis JW, et al. **Nature** 260(5554):774–5, 29 Apr 76

Brain reward and aversion systems in the control of feeding and sexual behavior. Hoebel BG. **Nebr Symp Motiv** 22:49–112, 1975 (194 ref.)

Sexual preference in female rats during estrous cycle, pregnancy and lactation. Eliasson M, et al.
Physiol Behav 14(6):705–10, Jun 75

Copulatory behavior of golden hamsters: effects on pregnancy. Lanier DL, et al. **Physiol Behav** 15(2):209–12, Aug 75

Sexual impairment of inexperienced male rats following pre- and postpuberal olfactory bulbectomy. Larsson K.
Physiol Behav 14(2):195–9, Feb 75

Effects of anti-estrogens on testosterone stimulated male sexual behavior and peripheral target tissues in the castrate male rat. Luttge WG. **Physiol Behav** 14(6):839–46, Jun 75

Lordosis behavior and mounting behavior in male rats: effects of castration and treatment with estradiol benzoate or testosterone propionate. Södersten P, et al.
Physiol Behav 14(2):159–64, Feb 75

Multiple pheromone system controlling mating in Drosophila melanogaster. Averhoff WW, et al.
Proc Natl Acad Sci USA 73(2):591–3, Feb 76

Psychobiology of reptilian reproduction. Crews D.
Science 189(4208):1059–65, 26 Sep 75

Ejaculatory pattern in female rats without androgen treatment. Emery DE, et al. **Science** 190(4213):484–6, 31 Oct 75

Postmating female odor in Heliconius butterflies: a male-contributed antiaphrodisiac? Gilbert LE. **Science** 193(4251):419–20, 30 Jul 76

Recongition and sexual selection in Drosophila: classification, quantification, and identification. Leonard JE, et al.
Science 193(4254):693–5, 20 Aug 76

Strange females increase plasma testosterone levels in male mice. Macrides F, et al. **Science** 189(4208):1104–6, 26 Sep 75

[Anaphrodisia in gilts and sows(author's transl)] Kuiper CJ, et al. **Tijdschr Diergeneeskd** 100(15):824–35, 1 Aug 75 (Eng. Abstr.) **(Dut)**

[The effect of allactectomy after the imaginal molt on the mating of female Blaberus craniifer Burm (Blattaria)] Grillou H. **C R Acad Sci [D] (Paris)** 282(14):1363–5, 5 Apr 76 (Eng. Abstr.) **(Fre)**

[Reproductive biology and behavior of Cebuella pygmaea and Tamarin tamarin (Primates, Platyrrhina, Callithricidae)] Christen A. **Fortschr Verhaltensforsch** (14):5–79, 1974 (Eng. Abstr.) **(Ger)**

[Preparation of rams for the mating season under summer pasturing conditions] Chistiakov IIa, et al. **Veterinariia** (9):87–8, Sep 75 **(Rus)**

[The effect of ablation in the n. medianus raphe on the aggressive and sexual behavior of white rats] Arav VI. **Zh Vyssh Nerv Deiat** 25(3):494–8, May-June 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Studies on x-ray induced chromosomal translocations in Anopheles albimanus. II. Laboratory evaluation of sexual competitiveness of translocation males. Rabbani MG, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1027–30, Nov 75

SEX CHARACTERISTICS

Identification of sex from tarsal bones. Singh S, et al.
Acta Anat (Basel) 93(4):568–73, 1975

Prepubertal gonadotropin surges: sex dependency. pp. 191–4. Skett PG, et al.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Methodological considerations in studying sex differences in the behavioral functioning of newborns. pp. 197–208. Korner AF.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.

Possible role of pituitary gonadotropin in the regulation of neonatal testicular activity and sexual differentiation of the brain in the rat. pp. 136–43. Arai Y, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Sexual differentiation of the hippocampus: effects of immobilization stress on gonadotropin secretion in the rat. pp. 144–52. Terasawa E, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Structural and functional investigations of a sexually dimorphic part of the rat preoptic area. pp. 17–25. Field

PM, et al.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973.

Speaker sex identification from voiced, whispered, and filtered isolated vowels. Lass NJ, et al. **J Acoust Soc Am** 59(3):675–8, Mar 76

A gynecocentric view of personality development. Friedman M. **J Med Soc NJ** 73(4):320–3, Apr 76

A comparison of the contributions of two voice quality characteristics to the perception of maleness and femaleness in the voice. Coleman RO. **J Speech Hear Res** 19(1):168–80, Mar 76

Sex difference in ontogenesis of circadian adrenocortical rhythm in cortisone-primed rats. Miyabo S, et al. **Nature** 256(5518):590–2, 14 Aug 75

Biological activity of some steroidal compounds in the adult and larval frogs. Iela L, et al. **Steroids** 26(5):663–9, Nov 75

[Sex differences in the human sternum] Rother P, et al. **Gegenbaurs Morphol Jahrb** 121(1):29–37, 1975 (Eng. Abstr.) **(Ger)**

[Concept of sex in the human gender] Czyba JC, et al. **Endokrynol Pol** 26(3):209–27, May–Jun 75 **(Pol)**

[Sexual dimorphism and its characteristics in the Mustelidae] Shubin IG, et al. **Zh Obshch Biol** 36(2):283–90, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

SEX CHROMATIN

Frequency of sex chromatin in the buccal smear of newborn females and their mothers during first six days after delivery. Roy S, et al. **Acta Cytol (Baltimore)** 20(1):83–6, Jan–Feb 76

Sex chromatin and chromosome numbers in Lepidoptera. Ennis TJ. **Can J Genet Cytol** 18(1):119–30, Mar 76

Fetal sex pridiction by sex chromatin of chorionic villi cells during early pregnancy. **Chin Med J [Engl]** 1(2):117–26, Mar 75

Two cases of the chromatin positive variety of ovarian dysgenesis (XO/XX mosaicism) associated with hGH deficiency and marginal impairment of other hypothalamic-pituitary functions. Faggiano M, et al. **Clin Genet** 8(5):324–9, Nov 75

Optimum pH for nuclear sex identification using quinacrine. Korf BR, et al. **Clin Genet** 8(2):145–8, Aug 75

Nonspecific esterases in sex chromatin negative and positive cells in buccal smears. Romer TE. **Endokrynol Pol** 26(6):621–6, Nov–Dec 75

Y-chromatin positive cells in the smear preparations of the gonad from a XX male. Iinuma K, et al. **Humangenetik** 30(2):193–6, 6 Nov 75

Evaluation of the efficacy of granulocyte transfusions by Y-chromatin studies. pp. 415–23. Hellriegel KP, et al.
In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 I605L 1974.

Frequency of sex chromatin positive cells in the buccal smear of 1000 normal newborn females. Majumdar SK, et al. **Indian J Med Res** 63(1):17–21, Jan 75

Determination of X- and Y-chromatin in amniotic fluid cells: technical aspects. Joseph R, et al. **Indian Pediatr** 12(11):1063–71, Nov 75

Prenatal sex determination by Y-fluorescence of amniotic fluid interphase nuclei. Hamilton SM, et al. **J Indian Med Assoc** 65(12):325–8, 16 Dec 75

Frequency of X-chromatin or Y-chromatin positive cells in twins. Asaka A. **Jpn J Hum Genet** 20(2):163–8, Sep 75

Significance of the decrease of sex chromatin incidence in malignant breast tumors. Kiricuță I, et al. **Morphol Embryol (Bucur)** 21(3):197–201, 1975

Transplacental passage of foetal blood cells. Zilliacus R, et al. **Scand J Haematol** 15(5):333–8, Dec 75

[Sex chromatin-nature and significance for malignancy] Mishev P, et al. **Khirurgiia (Sofiia)** 28(4):370–5, 1975 (30 ref.) **(Bul)**

[The frequency of sex chromatine occurring in cell nuclei of internal organs determined by the smear method (author's transl)] Michailow R. **Z Rechtsmed** 76(1):27–30, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Sex chromatin frequency and hormonal crisis in the newborn infant] Dokumov SI, et al. **Zentralbl Gynaekol** 97(12):738–42, 1975 (Eng. Abstr.) **(Ger)**

[The problem of modifying X-chromatin frequency using hormonal contraceptives] Meinhold P, et al. **Zentralbl Gynaekol** 97(11):674–8, 1975 (Eng. Abstr.) **(Ger)**

[Cytogenetic studies in children with visual disorders] Mușețeanu P, et al. **Stud Cercet Endocrinol** 23(5):333–5, 1972 **(Rum)**

[Characteristics of sex chromatin of 'unchanged' mucosa and in adenocarcinoma of the rectum] Petrova AS, et al. **Lab Delo** (1):9–11, 1976 **(Rus)**

[Nuclear structures in the ovarioles of the butterfly Laspeyresia pomonella. Sex chromatin in trophocytes] Gruzova MN. **Ontogenez** 5(6):623–33, 1974 (Eng. Abstr.) **(Rus)**

[Nuclear structures in the ovarioles of the butterfly Laspeyresia pomonella. Sex chromatin in trophocytes] Gruzova MN. **Ontogenez** 5(6):623–33, 1974 (Eng. Abstr.) **(Rus)**

[Quantitative and qualitative changes in the sex chromatin of diabetic women of different ages] Kaiumov EG, et al. **Probl Endokrinol (Mosk)** 21(5):7–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Sex chromatin content in schizophrenic women during insulin therapy] Kashirina LP. **Tsitol Genet** 10(1):6–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Estrogen excretion and sex chromatin content in the tumor cells of breast cancer patients] Tsygan VM, et al. **Vopr Onkol** 21(11):26–9, 1975 **(Rus)**

[The origin of Barr-positive and Barr-negative dyshormonal tumors] Voitenko VP. **Vopr Onkol** 21(7):53–8, 1975 (Eng. Abstr.) **(Rus)**

[Presence of 2-arm Barr's body and karyotype 47 XXX in a normally intelligent 11-year-old girl with changed phenotype] Stojimirović E, et al. **Srp Arh Celok Lek** 103(5):455–7, May 75 **(Ser)**

ANALYSIS

Nuclear chromatin determination in amniotic fluid cells for prenatal sex prediction in the macaque. Herbst A, et al. **Am J Obstet Gynecol** 124(7):761–3, 1 Apr 76

Sex-chromatin bodies in penile washings as an indicator of recent coitus. Given BW. **J Forensic Sci** 21(2):381–6, Apr 76

[Sex chromatin and pregnancy] Dokumov S, et al. **Akush Ginekol (Sofiia)** 14(3):194–9, 1975 (Eng. Abstr.) **(Bul)**

[Persistence of sex chromatin in cell nuclei of internal organs during preservation under various conditions] Michailov R. **Beitr Gerichtl Med** 32:301–4, 1974 (Eng. Abstr.) **(Ger)**

[X-chromatin in acranile dyed interphase nuclei] Becker M, et al. **Kinderarztl Prax** 43(1):31–3, Jan 75 **(Ger)**

[Comparative studies on the detection of Y-chromatin in native and formalin-fixed tissue or organ material (author's transl)] Schmechta H, et al. **Zentralbl Allg Pathol** 120(1):61–7, 1976 (Eng. Abstr.) **(Ger)**

[Fluorescence study of X and Y chromatin in frozen sections] Gyula K. **Morphol Igazsagugyi Orv Sz** 15(3):218–20, Jul 75 (Eng. Abstr.) **(Hun)**

[Evaluation of sex chromatin number in newborn infants born to mothers who have taken oral contraceptives] Vajda R. **Orv Hetil** 117(21):1267, 23 Mar 76 **(Hun)**

[Sex chromatin in sex determination and the diagnosis of gonadal differentiation disorders in children] Walczak M, et al. **Pediatr Pol** 50(9):1125–9, Sep 75 (Eng. Abstr.) **(Pol)**

[Content of sex chromatin in patients with myoma of the uterus] Alekhin SK, et al. **Akush Ginekol (Mosk)** (12):33–6, Dec 75 (Eng. Abstr.) **(Rus)**

[State of the uterine and vaginal epithelium and content of sex chromatin in rats after administration of sex hormones] Mudra NP. **Akush Ginekol (Mosk)** (10):20–2, Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the Y-chromatin in bloodstains] Liubinskaia SI, et al. **Sud Med Ekspert** 18(3):17–20, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Low levels of sex chromatin in female patients with adrenal adenoma (report of a 1st case)] Garza Chapa R, et al. **Ginecol Obstet Mex** 39(236):435–9, Jun 76 (Eng. Abstr.) **(Spa)**

[Sex chromatin in cells of amniotic fluid] Guerrero BD, et al. **Rev Chil Obstet Ginecol** 40(3):122–6, 1975 **(Spa)**

[Sex chromatin, an index of the activity of an inflammatory process of the genitalia] Shileiko VA, et al. **Pediatr Akush Ginekol** (1):56–7, Jan–Feb 75 **(Ukr)**

PATHOLOGY

Histological sexing of a reticulum cell sarcoma arising after liver transplantation. Portmann B, et al. **Gastroenterology** 70(1):82–4, Jan 76

PHYSIOLOGY

[Secretory type and the X-sex chromatin characteristics of persons with peptic ulcer] Tsoneva M, et al. **Vutr Boles** 15(2):62–6, 1976 (Eng. Abstr.) **(Bul)**

ULTRASTRUCTURE

Sex chromatin determination in formalin-fixed, paraffin-embedded tissues of rats. Bost RG, et al. **J Toxicol Environ Health** 1(5):823–7, May 76

Prenatal sex determination by observation of the X-chromatin and the Y-chromatin of exfoliated amniotic fluid cells. Ju KS, et al. **Obstet Gynecol** 47(3):287–90, Mar 76

[Study of Y-chromatin in the buccal epithelium of man] Zakharov AM, et al. **Arkh Anat Gistol Embriol** 68(5):18–23, May 75 (Eng. Abstr.) **(Rus)**

SEX CHROMOSOME ABNORMALITIES

Absence of the Y chromosome in patients with chronic granulocytic leukaemia. Whittaker JA, et al. **Acta Haematol (Basel)** 54(6):350–7, 1975

Primary hypothyroidism, growth hormone deficiency and congenital malformations in a child with the karyotype 46,XY,del(1)(q25q32). Koivisto M, et al. **Acta Paediatr Scand** 65(4):513–8, Jul 76

Human population cytogenetics: dilemmas and problems. Hamerton JL. **Am J Hum Genet** 28(2):107–22, Mar 76

Letter: The XVV syndrome in the courts: the latest case. Reilly P. **Am J Hum Genet** 28(3):299–300, May 76

Proccedings: Testicular activity in infants with sex chromosome abnormalities. Ratcliffe SG, et al. **Arch Dis Child** 50(5):404, May 75

The chromosome 49, XXXXY syndrome: report of a case in an adult. Boyd JH, et al. **Ariz Med** 33(7):546–50, Jul 76

Gonadal dysgenesis and abnormalities of the human sex chromosomes: current status of phenotypic–karyotypic correlations. Simpson JL. **Birth Defects** 11(4):23–59, 1975 (175 ref.)

Sex chromosome mosaicism of *X*/XY or *X*/XY/XYY. Wilson MG, et al. **Birth Defects** 11(5):255–66, 1975

Acquired XO/XY clones in bone marrow of a patient with paroxysmal nocturnal hemoglobinuria (PNH). Whang-Peng J, et al. **Blood** 47(4):611–9, Apr 76

The XYY syndrome. Pitcher DR. **Br J Psychiatry** Spec No 9:316–25, 1975 (39 ref.)

Studies on the XYY syndrome—with special reference to psychiatric aspects. Usui S. **Bull Osaka Med Sch** 21(1):42–75, Jul 75

An XXXX sex chromosome complement in a female with mild mental retardation. Duncan BP, et al. **Can Med Assoc J** 102(9):969–70, 9 May 70

Letter: XYY phenotype; does it exist? Soudek D. **Can Med Assoc J** 114(4):294, 297, 21 Feb 76

The XX male syndrome- a case report. Cullen M, et al. **Clin Genet** 10(2NA-NA-760903-760909):73–6, Aug 76

A 45, X woman with a 47,XY, G+ son. Lajborek-Czyz I. **Clin Genet** 9(2):113–6, Feb 76

The consequences of X-dosage deficiency in the germ line: impaired development in vitro of preimplantation embryos from XO mice. Burgoyne PS, et al. **Dev Biol** 51(1):109–17, 1 Jul 76

Letter: Publication policies of Genetics. Lewontin RC. **Genetics** 82(3):561–3, 25 Mar 76

Letter: Research and other freedoms. Zucker A. **Genetics** 82(3):559–61, 25 Mar 76

The Boston XYY case. Roblin R. **Hastings Cent Rep** 5(4):5–8, Aug 75

Short arm deletion of an X chromosome, 46,XXp-. Kaiser P, et al. **Hum Genet** 32(1):89–100, 15 Apr 76

Fusion of two apparently intact human X chromosomes. Sinha AK, et al. **Hum Genet** 32(3):295–300, 29 Jun 76

Aggression, androgens, and the XYY syndrome. pp. 433–53. Meyer-Bahlburg HF.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.

The fetus and the newborn. A discussion. pp. 87–101.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

Karyotype, predictability and culpability. pp. 63–71. Dershowitz AM.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

Geneticophobia and the implications of screening for the XYY genotype in newborn infants. pp. 73–86. Hook EB.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

Monozygotic twins discordant for sex. Schmidt R, et al. **J Med Genet** 13(1):64–8, Feb 76

Chromosome survey of total population of mentally subnormal in North-East of Scotland. Speed RM, et al. **J Med Genet** 13(4):295–306, Aug 76

Report of sex chromosome abnormalities in mentally retarded male offenders including a psychological study of patients with XYY and XXYY karyotypes. Beckmann J, et al. **J Ment Defic Res** 18(4):331–53, Dec 74

Cytogenetic survey of 504 mentally retarded individuals. Singh DN, et al. **J Ment Defic Res** 18(4):293–305, Dec 74

Letter: Probable XX male with hidden testes. Lazarus GM, et al. **J Pediatr** 87(3):493–4, Sep 75

Letter: Probable XX male with hidden testes. Lazarus GM, et al. **J Pediatr** 87(3):493–4, Sep 75

Dermatoglyphic study of forty males with 47, XXY karyotype. Nanko S. **Jpn J Hum Genet** 20(2):109–21, Sep 75

Letter: Neurological disorders in 47,XYY men. Benezech M, et al. **Lancet** 2(7935):617, 27 Sep 75

Sex chromosome disorders. Gerald PS. **N Engl J Med** 294(13):706–8, 25 Mar 76

Increased frequency of heterozygotes for alpha1 antitrypsin variants in individuals with either sex chromosome mosaicism or trisomy 21. Fineman RM, et al. **Nature** 260(5549):320–1, 25 Mar 76

Development of children with sex chromosome abnormalities. Ratcliffe SH. **Proc R Soc Med** 69(3):189–91, Mar 76

Criminality in XYY and XXY men. Witkin HA, et al. **Science** 193(4253):547–55, 13 Aug 76

XYY syndrome, stigmatization, social class, and aggression: study of 15 cases. Money J, et al. **South Med J** 68(12):1536–42, Dec 75

['Supra-Klinefelter' syndrome (48, XXXY) in a prepubescent child: clinical and cytogenetic study (author's transl)] Pescia G, et al. **Arch Genet (Zur)** 47(1):37–51, 1974 (Eng. Abstr.) **(Fre)**

[Heterogeneous phenotypes in 4 XYY children] Burgio GR, et al. **J Genet Hum** 23 SUPPL:86–91, Oct 75 **(Fre)**

[48, XYYY males. Apropos of a case of 46, XX/47, XYY/48, XYYY mosaicism] Sele B, et al. **Pediatrie** 30(6):601–7, Sep 75 **(Fre)**

[XXXX syndrome. Apropos of a further case observed since birth] Tumba A, et al. **Union Med Can** 104(8):1211–4, Aug

75 (Fre)
[A case of testicular feminization with the karyotype 47, XXY (author's transl)] Bartsch-Sandhoff M, et al. **Hum Genet** 31(1):59–65, 28 Jan 76 (Eng. Abstr.) (Ger)
[A case of X/X translocation: t(X;X) (q26;p11)] Wagenbichler P, et al. **Klin Paediatr** 187(6):533–7, Nov 75 (Eng. Abstr.) (Ger)
[The XYY syndrome—facts and myths] Breuer G. **Med Lab (Stuttg)** 28(7):157–9, Jul 75 (Ger)
[Editorial: XYY research stopped] **Harefuah** 89(7):338–9, 1 Oct 75 (Heb)
[The vanishing testis syndrome. Considerations on a case] Vailati G, et al. **Minerva Med** 67(21):1382–5, 30 Apr 76 (Eng. Abstr.) (Ita)
[XX-male syndrome: a case report (author's transl)] Takahashi G, et al. **Jpn J Urol** 66(7):432–6, Jul 75 (Eng. Abstr.) (Jpn)
[Ocular disorders in a case of gonosomal mosaicism (45X 46XX)] David M, et al. **Rev Chir [Oftalmol]** 18(5):405–10, Oct–Dec 74 (Rum)
[Sex chromosomes and social deviants. Reflexions on a 'crushed' theory] Forssman H. **Lakartidningen** 73(6):422–4, 4 Feb 76 (Eng. Abstr.) (Swe)

BLOOD

Circulating plasma testosterone in the XYY male. Pelzmann KS, et al. **Life Sci** 18(11):1207–12, 1 Jun 76
Testosterone production by XYY subjects. Sharma M, et al. **Steroids** 26(2):175–80, Aug 75

COMPLICATIONS

The age of occurrence of gonadal tumors in intersex patients with a Y chromosome. Manuel M, et al. **Am J Obstet Gynecol** 124(3):293–300, 1 Feb 76
Case studies of three 'XXYY' children. Garvey M, et al. **Br J Disord Commun** 10(1):17–30, Apr 75
Self-mutilation in a case of 49, XXXXY chromosomal constitution. Korten JJ, et al. **J Ment Defic Res** 19(1):63–71, Mar 75
Letter: Hearing loss in Noonan syndrome. Cremers C. **J Pediatr** 88(2):363, Feb 76
Letter: Arterial occlusion in 47,XYY male. Kukolich M, et al. **Lancet** 2(7927):233, 2 Aug 75
Congenital heart disease in 49, XXXXY syndrome. Karsh RB. **Pediatrics** 56(3):462–4, Sep 75
[Endocrine and psychiatric anomalies observed in a man with an XYYY karyotype] Tremblay RR, et al. **Union Med Can** 104(3):418–22, Mar 75 (Eng. Abstr.) (Fre)
[49, XXXXX chromosome equipment in a girl with psychophysical underdevelopment] Giovannucci-Uzielli ML, et al. **Minerva Pediatr** 27(40):2220–9, 29 Dec 75 (Eng. Abstr.) (Ita)

DIAGNOSIS

45,X/46,XY/47,XYY mosaicism in a phenotypic female with gonadoblastoma. Osztovics M, et al. **Acta Paediatr Acad Sci Hung** 15(3–4):295–9, 1974
Two XX males diagnosed in childhood. Endocrine, renal, and laboratory findings. Laurance BM, et al. **Arch Dis Child** 51(2):144–8, Feb 76
Mixed gonadal dysgenesis. Association with unilateral testis and XY chromosome complement. Yoon L, et al. **JAMA** 235(5):524–6, 2 Feb 76
47,XXX karyotype obtained by amniocentesis. Levy DL, et al. **Obstet Gynecol** 48(2): 233–4, AUG 76
[Peripheral nerve involvement in a 47,XYY psychotic patient. Positive lymphoblastic transformation test with myelin and levopromazine] Benezech M, et al. **Nouv Presse Med** 5(26):1648, 26 Jun 76 (Fre)
[Triploidy in the child. I. Study of phenotype. An observation of triploidy with mosaicism 46, XX/69, XXY] David M, et al. **Pediatrie** 30(3):281–98, Apr–May 75 (Fre)
[Sex chromosome aberration screening among male psychiatric patients (author's transl)] Trixler M, et al. **Arch Psychiatr Nervenkr** 221(3):273–82, 30 Apr 76 (Eng. Abstr.) (Ger)
[The clinical picture and psychopathology of the XYY constitution] Schlegel JH, et al. **Fortschr Neurol Psychiatr** 43(6):305–12, Jun 75 (Eng. Abstr.) (Ger)
[Cytogenetic studies of patients with primary amenorrhea] Vilkov I, et al. **Akush Ginekol (Mosk)** (12):10–3, Dec 75 (Eng. Abstr.) (Rus)

ETIOLOGY

[Triploidy in the child. II. Evaluation of data on genotype and pathogenesis] Chambon A, et al. **Pediatrie** 30(4):371–89, Jun 75 (Fre)

FAMILIAL & GENETIC

Ring Y chromosome without mosaicism. Wilson MG, et al. **Birth Defects** 12(5):105–12, 1976
45,XO/46,XYg dic mosaicism in a patient with ambiguous genitalia. Tuncbilek E, et al. **Clin Genet** 9(3):365–70, Mar 76
Chromosome measurements on an XXp+ male. Madan K. **Hum Genet** 32(2):141–2, 19 May 76
Cell selection in vivo in normal/aneuploid chromosome abnormalities. Nielsen J. **Hum Genet** 32(2):203–6, 19 May 76
Aspermia, associated with a presumably balanced X/autosomal translocation karyotype 46, Y, t (X;5) (q28;q11). Stengel-Rutkowski S, et al. **Hum Genet** 31(1):97–106, 28 Jan 76
Y-chromatin positive cells in the smear preparations of the gonad from a XX male. Iinuma K, et al. **Humangenetik** 30(2):193–6, 6 Nov 75
Testicular chromosomal mosaicism and infertility. Jones TM, et al. **J Clin Endocrinol Metab** 42(5):888–93, May 76
An XX female with sexual infantilism, absent gonads, and lack of Müllerian ducts. Levinson G, et al. **J Med Genet** 13(1):68–9, Feb 76
Uptake of circulating iron by the duodenum of normal mice and mice with altered iron stores, including sex-linked anemia: high resolution radioautographic study. Bédard YC, et al. **Lab Invest** 34(6):611–5, Jun 76
Expression of H-Y antigen in human males with two Y chromosomes. Wachtel SS, et al. **N Engl J Med** 293(21):1070–2, 20 Nov 75
The xyy chromosome male—or syndrome? Borgaonkar DS, et al. **Prog Med Genet** 10:135–222, 1974 (264 ref.)
[Cytogenetic and clinical characteristics of the triple-X syndrome] Zergollern L, et al. **Acta Med Iugosl** 29(4):339–48, 1975 (Eng. Abstr.) (Cro)
[A rare structural anomaly of the Y chromosome: Y ring (author's transl)] Bühler EM, et al. **Arch Genet (Zur)** 47(1):52–9, 1974 (Eng. Abstr.) (Ger)
[Karyotype–phenotype correlation in a 46,Xdel(X) (p22) diagnosis (author's transl)] Bartsch-Sandhoff M, et al. **Hum Genet** 31(3):263–70, 12 Mar 76 (Eng. Abstr.) (Ger)
[Presence of 2-arm Barr's body and karyotype 47 XXX in a normally intelligent 11-year-old girl with changed phenotype] Stojimirović E, et al. **Srp Arh Celok Lek** 103(5):455–7, May 75 (Ser)

METABOLISM

BrdU–33258 Hoechst analysis of DNA replication in human lymphocytes with supernumerary or structurally abnormal X chromosomes. Latt SA, et al. **Chromosoma** 57(2):135–53, 17 Aug 76
Total body potassium content in males with X and Y chromosome abnormalities. East BW, et al. **Clin Endocrinol (Oxf)** 5(1):43–51, Jan 76

OCCURRENCE

The frequency of chromosome aberrations in tall men with special reference to 47, XYY and 47, XXY. Philip J, et al. **Am J Hum Genet** 28(4):404–11, Jul 76

PATHOLOGY

The palmar a-b ridge count and sex chromosomes. Shiono H, et al. **Hum Biol** 47(4):505–9, Dec 75

VETERINARY

An intersex (male pseudohermaphrodite) horse with 64XX/XXY mosaicism. Bouters R, et al. **J Reprod Fertil [Suppl]** (23):375–6, Oct 75
Chromosome abnormalities as a cause of infertility in mares. Chandley AC, et al. **J Reprod Fertil [Suppl]** (23):377–83, Oct 75

SEX CHROMOSOMES

Cytogenetic studies in primary amenorrhoea. Aimakhu VE, et al. **Acta Cytol (Baltimore)** 19(4):342–4, Jul–Aug 75
Absence of the Y chromosome in patients with chronic granulocytic leukaemia. Whittaker JA, et al. **Acta Haematol (Basel)** 54(6):350–7, 1975
A cytogenetic study of gonadoblastoma tissue in two cases. Philip J, et al. **Acta Pathol Microbiol Scand [A]** 83(5):559–67, Sep 75
Incidence of aneuploidy in a human population. Goad WB, et al. **Am J Hum Genet** 28(01):62–8, Jan 76
X-linked recessive inheritance of sensorineural hearing loss expressed during adolescence. Pelletier LP, et al. **Am J Hum Genet** 27(5):609–13, Sep 75
X-chromosome inactivation in human liver: confirmation of X-linkage of ornithine transcarbamylase. Ricciuti FC, et al. **Am J Hum Genet** 28(4):332–8, Jul 76
Pure gonadal dysgenesis with an XY chromosomal constitution (Swyer's syndrome): Report of two cases. Bruneteau DW, et al. **Am J Obstet Gynecol** 124(1):55–9, 1 Jan 76
Translocation of Y chromosome to an autosome in the Bolivian owl monkey, Aotus. Ma NS, et al. **Am J Phys Anthropol** 45(2):191–202, Sep 76
A porcine cyclops with normal female karyotype. Arakaki DT, et al. **Am J Vet Res** 37(1):95–6, Jan 76
Separation of X- and Y-bearing human spermatozoa with the sephadex gel-filtration method. Steeno O, et al. **Andrologia** 7(2):95–7, 1975
[A second example of telomeric fusion 2 X chromosomes] Fraisse J, et al. **Ann Genet (Paris)** 18(4):243–5, Dec 75 (Eng. Abstr.)
X-linked congenital nystagmus: a problem in genetic counseling. Schneiderman LJ, et al. **Ann Ophthalmol** 8(4):444–6, Apr 76
Control of chromosome inactivation. Cattanach BM. **Annu Rev Genet** 9:1–18, 1975 (131 ref.)
Psychiatric illness in fathers of men with bipolar primary affective disorder. Dunner DL, et al. **Arch Gen Psychiatry** 32(9):1134–7, Sep 75
Letter: Brain research, violent behavior, and the XYY genotype: Comments on the NINDS report. Hook EB. **Arch Neurol** 33(4):305–6, Apr 76
Studies on metatherian sex chromosomes. I. Inheritance and inactivation of sex-linked allelic genes determining glucose-6-phosphate dehydrogenase variation in kangaroos. Johnston PG, et al. **Aust J Biol Sci** 28(5–6):567–74, Dec 75
The genetic basis of receptivity of yellow mutant Drosophila melanogaster females. Dow MA. **Behav Genet** 6(2):141–3, Apr 76
Letter: Comment on comparison of settings for study of the prevalence of XYY genotype. Hook EB. **Behav Genet** 5(4):415, Oct 75
Report of the Committee on the Genetic Constitution of the X Chromosome. **Birth Defects** 11(3):20–5, 1975
An X-linked form of cutis laxa due to deficiency of lysyl oxidase. Byers PH, et al. **Birth Defects** 12(5):293–8, 1976
Mapping the Xga red blood cell antigen in human-Chinese hamster cell hybrids. The Xg locus is possibly located on the short arm of the X chromosome. Fellous M, et al. **Birth Defects** 11(3):123–5, 1975
Localization of gene loci on chromosome 12 and the X in man. Hamerton JL, et al. **Birth Defects** 11(3):179–82, 1975
Localization of human satellite DNA I. Jones KW, et al. **Birth Defects** 11(3):188, 1975
The Turner phenotype associated with unbalanced X/autosome translocation. Leisti J, et al. **Birth Defects** 11(5):315–7, 1975
Cytogenetic studies in patients with ovarian dysgerminomas. Márquez-Monter H, et al. **Birth Defects** 11(4):121, 1975
Alpha-galactosidase: a dimeric enzyme dependent on a structural locus on the X chromosome. Rebourcet R, et al. **Birth Defects** 11(3):236–8, 1975
Localization of genes coding for PGK, HPRT, and G6PD on the long arm of the X chromosome in somatic cell hybrids. Shows TB, et al. **Birth Defects** 11(3):256–9, 1975
A previously unrecognized X-linked syndrome of dysmorphia. Simpson JL, et al. **Birth Defects** 11(2):18–24, 1975
Christmas disease (haemophilia B) in a girl with deletion of the short arm of one X-chromosome (functional Turner syndrome). Spinelli A, et al. **Br J Haematol** 66(3):129–35, Sep 76
Proceedings: Studies on the separation of X- and Y-bearing spermatozoa. Ferguson JM, et al. **Br J Obstet Gynaecol** 83(5):411, May 76
X-linkage and manic-depressive illness. Loranger AW. **Br J Psychiatry** 127:482–8, Nov 75
Y chromosome length, extraversion-introversion and neuroticism. Baekgaard W, et al. **Br J Soc Clin Psychol** 14(2):197–8, Jun 75
Identification of the sex chromosomes in the bald eagle. Au W, et al. **Can J Genet Cytol** 17(2):187–91, Jun 75
C- and G-bands of the opossum chromosomes: terminal sequences of DNA replication. Sinha AK, et al. **Can J Genet Cytol** 18(1):195–205, Mar 76
Major regulatory genes for mammalian sexual development. Ohno S. **Cell** 7(3):315–21, Mar 76
Segregational mechanisms of sex chromosomes in Spongilla-flies (Neuroptera: Sisyridae). Hughes-Schrader S. **Chromosoma** 52(1):1–10, 15 Sep 75
Genes controlling chromosome activity; the role of genes blocking Y-lampbrush loop propagation. Lifschytz E. **Chromosoma** 53(3):231–41, 10 Dec 75
The synaptic behaviour of the X and Y chromosomes in the marsupial Monodelphis dimidiata. Solari AJ, et al. **Chromosoma** 52(1):11–25, 15 Sep 75
The XX male syndrome– a case report. Cullen M, et al. **Clin Genet** 10(2NA–NA–760903–760909):73–6, Aug 76
Frequency of the carrier state for X-linked chronic granulomatous disease among females with lupus erythematosus. Humbert JR, et al. **Clin Genet** 10(1):16–20, Jul 76
The X chromosome in Duchenne's muscular dystrophy. Katsantoni A. **Clin Genet** 9(3):371–3, Mar 76
Y/autosomal translocations. Nielsen J, et al. **Clin Genet** 9(6):609–17, Jun 76
A man with presumptive Y/Y translocation, observed in a forensic psychiatric department. Wahlström J, et al. **Clin Genet** 10(2NA–NA–760903–760909):82–8, Aug 76
X-linked nonspecific mental retardation. Report of a large kindred. Yarbrough KM, et al. **Clin Genet** 9(2):125–30, Feb 76
Human gene mapping 2. Rotterdam Conference (1974). 2d International Workshop on Human Gene Mapping. Report of the committee on the genetic constitution of the X chromosome. **Cytogenet Cell Genet** 14(3–6):190–5, 1975
A mitotically unstable human dicentric Y chromosome in a male pseudohermaphrodite. Buchanan PD, et al. **Cytogenet Cell Genet** 17(1):42–50, 1976
An (X;3) translocation, balanced, 46 chromosomes. Repository identification No. GM-194. De La Chapelle A, et al. **Cytogenet Cell Genet** 15(6):404–5, 1975
Regional mapping of the human No. 1 and X chromosome in interspecific cell hybrids using an X/1 translocation. De Wit J, et al. **Cytogenet Cell Genet** 15(3):129–37, 1975 (Eng. Abstr.)
Mapping the Xga red blood cell antigen in human–Chinese hamster cell hybrids. The Xg locus is possibly located on the short arm of the X chromosome. Fellous M, et al. **Cytogenet Cell Genet** 14(3–6):293–5, 1975
A (Y;15) translocation, 46 chromosomes. Repository identification No. GM-118. Hahnenmann N, et al. **Cytogenet Cell Genet** 15(6):408–9, 1975

Localization of gene loci on chromosome 12 and the X in man. Hamerton JL, et al. **Cytogenet Cell Genet** 14(3–6):349–52, 1975

Further evidence of X–linkage of hypoxanthine phosphoribosyl–transferase in the mouse. Hashimi S, et al. **Cytogenet Cell Genet** 17(1):35–41, 1976

Alpha–galactosidase: a dimeric enzyme dependent on a structural locus on the X chromosome. Rebourcet R, et al. **Cytogenet Cell Genet** 14(3–6):406–8, 1975

Localization of genes coding for PGK, HPRT, and G6PD on the long arm of the X chromosome in somatic cell hybrids. Shows TB, et al. **Cytogenet Cell Genet** 14(3–6):426–9, 1975

Chromosome behaviour with special reference to sex mechanism in Herpestes auropunctatus (Hodgson). Mittal OP, et al. **Cytologia (Tokyo)** 40(2):221–5, Jun 75

Evidence for dosage compensation of an X–linked gene in the 6–day embryo of the mouse. Kozak LP, et al. **Dev Biol** 45(1):65–73, Jul 75

X chromosome expression during oogenesis in the mouse. Mangia F, et al. **Dev Biol** 45(2):366–8, Aug 75

A male pseudohermaphrodite horse with 63Xo?/64XX/65XXY mixoploidy. Fretz PB, et al. **Equine Vet J** 8(3):130–2, Jul 76

Biochemical evidence for position–effect suppression of ribosomal RNA synthesis in Drosophila melanogaster. Puckett LD, et al. **Exp Cell Res** 95(1):31–8, 1 Oct 75

Different timing of increases in activities of four X–chromosome linked enzymes during the cell cycle of synchronized human lymphoblasts. Zielke HR, et al. **Exp Cell Res** 97(2):426–30, Feb 76

Ageing and chromosome aberrations in male mammalian germ cells. Leonard A, et al. **Exp Gerontol** 10(6):309–11, 1975

Chromatin–free synaptonemal complex in whole mount preparations. Beçak ML, et al. **Experientia** 31(9):1020–2, 15 SEP 75

The effect of steroid hormones on motility and selective migration of X– and Y–bearing human spermatozoa. Beck KJ, et al. **Fertil Steril** 27(4):407–12, Apr 76

Sex chromosomes in rhizoglyphus echinopus (F. & R.) (Acarina, Acaridae). Grondziel E. **Folia Biol (Krakow)** 23(1):69–72, 1975

Cold–sensitive mutants of Drosophila melanogaster defective in ribosome assembly. Falke EV, et al. **Genetics** 81(4):655–82, Dec 75

Isolation and characterization of sex–linked female–sterile mutants in Drosophila melanogaster. Gans M, et al. **Genetics** 81(4):683–704, Dec 75

Simulation of X–linked selection in Drosophila. Hedrick PW. **Genetics** 83(3 PT.2):551–71, Jul 76

Chromosome rearrangements in Caenorhabditis elegans. Herman RK, et al. **Genetics** 83(1):91–105, May 76

Variations in the number of the Y chromosomal rRNA genes in Drosophila hydei. Kunz W, et al. **Genetics** 82(1):25–34, Jan 76

Mapping and gene conversion studies with the structural gene for iso–1–cytochrome C in yeast. Lawrence CW, et al. **Genetics** 81(4):615–29, Dec 75

A case report on X–trisomy in cattle. Norberg HS, et al. **Hereditas** 82(1):69–72, 1976

A sex–chromosome hybrid zone in the grasshopper Podisma pedestris (Orthoptera: Acrididae). Hewitt GM. **Heredity (Lond)** 35(3):375–87, Dec 75

A new sex–linked mutant short wing in Aedes aegypti. Uppal DK, et al. **Heredity (Lond)** 36(1):147–50, Feb 76

Gene dosage effect in hum. a triploid fibroblasts. Junien C, et al. **Hum Genet** 33(1):61–6, 7 Jul 76

Increased sister chromatid exchange events in the human late replicating X. Schnedl W, et al. **Hum Genet** 32(2):199–202, 19 May 76

C and Q bands in long arm of Y chromosomes; are they identical? Soudek D, et al. **Hum Genet** 32(3):339–41, 29 Jun 76

A boy with 46, X, del, Y, due to a de nove mutation. Fried K, et al. **Hum Hered** 25(6):472–6, 1975

Missing Y chromosome in juvenile chronic myelogenous leukemia. Hays T, et al. **Humangenetik** 29(3):259–64, 23 Sep 75

Y–chromatin positive cells in the smear preparations of the gonad from a XX male. Iinuma K, et al. **Humangenetik** 30(2):193–6, 6 Nov 75

Gd(—) Abrami: a deficient G–6PD variant with hemizygous expression in blood cells of a woman with primary myelofibrosis. Kahn A, et al. **Humangenetik** 30(1):41–6, 20 Oct 75

Stability of X chromosomal inactivation in human somatic cells transformed by SV–40. Romeo G, et al. **Humangenetik** 29(2):165–70, 10 Sep 75

A new type of inversion of a human Y chromosome. Sofuni T, et al. **Humangenetik** 30(2):91–7, 6 Nov 75

Sex reversal in the mouse and other mammals. pp. 305–17. Cattanach BM.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974. (44 ref.)

Dominant X–linked transmission in manic–depressive illness: linkage studies with the XGa blood group. pp. 301–7. Fieve RR, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Chromosome findings in cells of human ovarian tissue. pp. 20–2. Naujoks H.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

Combined antiandrogenic and counseling program for treatment of 46, XY and 47, XYY sex offenders. pp. 105–20. Money J, et al.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Galvanic separation of X– and Y–bearing human spermatozoa. Shishito S, et al. **Int J Fertil** 20(1):13–6, 1975

Turner's syndrome—a clinical and cytogenetic study. Phadke MA, et al. **J Assoc Physicians India** 23(7):427–31, Jul 75

Hypoxanthine phosphoribosyltransferase activity in intact fibroblasts from patients with X–linked hyperuricemia. Holland MJ, et al. **J Clin Invest** 57(6):1600–5, Jun 76

Exaggerated phosphaturic response to circulating parathyroid hormone in patients with familial X–linked hypophosphatemic rickets. Short E, et al. **J Clin Invest** 58(1):152–63, Jul 76

Abnormal ratio of membrane immunoglobulin classes in mice with an X–linked B–lymphocyte defect. Finkelman FD, et al. **J Exp Med** 142(5):1316–21, 1 Nov 75

X–linked B–lymphocyte defect in CBA/N mice. III. Abnormal development of B–lymphocyte populations defined by their density of surface immunoglobulin. Scher I, et al. **J Exp Med** 144(2):507–18, 1 Aug 76

Phenogenetics of a suppressor and an enhancer gene of the lozenge34k allel of Drosophila melanogaster. Beeson VS, et al. **J Exp Zool** 193(2):177–90, Aug 75

XO/XY mosaicism in a 2 year phenotypic male. Srivastava PK, et al. **J Genet Hum** 23(2):155–62, Jun 75 (Eng. Abstr.)

Sex chromosomes and Giemsa banding pattern of Plecotus townsendii. Anthony MC, et al. **J Mammal** 57(1):163–6, Feb 76

Non–disjunction of an unusual X chromosome. Hayata I, et al. **J Med Genet** 13(4):320–3, Aug 76

Alpha1–antitrypsin phenotypes in sex chromosome mosaicism. Kueppers F, et al. **J Med Genet** 12(3):263–4, Sep 75

X mapping in man: evidence against direct measurable linkage between ocular albinism and deutan colour blindness. Pearce WG, et al. **J Med Genet** 13(4):319, Aug 76

Differences in human X isochromosomes. Priest JH, et al. **J Med Genet** 12(4):378–89, Dec 75

X–linked anhidrotic ectodermal dysplasia with some unusual features. Settineri WM, et al. **J Med Genet** 13(3):212–6, Jun 76

X–linked mental retardation associated with macro–orchidism. Turner G, et al. **J Med Genet** 12(4):367–71, Dec 75

X–linked recessive type of pure spastic paraplegia in a large pedigree: absence of detectable linkage with Xg. Zatz M, et al. **J Med Genet** 13(3):217–22, Jun 76

Y–autosome translocation in the howler monkey, Alouatta palliata. Jones TC, et al. **J Med Primatol** 4(5):299–307, 1975

Spectrum of function of neutrophils from carriers of sex–linked chronic granulomatous disease. Repine JE, et al. **J Pediatr** 87(6 Pt 1):901–7, Dec 75

'Male turner': clinical findings and chromosomal analysis in three phenotypic males. Sonwalkar A, et al. **J Postgrad Med** 21(2):96–100, Apr 75

Chromosome abnormalities as a cause of infertility in mares. Chandley AC, et al. **J Reprod Fertil [Suppl]** (23):377–83, Oct 75

A case of male Turner's syndrome with XXYY sex chromosome constitution. Kanai H, et al. **Jpn J Hum Genet** 20(2):131–9, Sep 75

Letter: Human chromosome band mapping. Drets ME. **Lancet** 2(7943):1035, 22 Nov 75

Letter: Evolution of X–chromosome inactivation. Hoo JJ. **Lancet** 1(7956):434, 21 Feb 76

Interaction of maternal and neonatal cells in mixed–lymphocyte cultures. Lawler SD, et al. **Lancet** 2(7946):1185–7, 13 Dec 75

Letter: Pentasomy of X chromosome. Mulcany MT, et al. **Lancet** 2(7946):1213–4, 13 Dec 75

Circulating plasma testosterone in the XYY male. Pelzmann KS, et al. **Life Sci** 18(11):1207–12, 1 Jun 76

Fine genetic structure of the 2D3–2F5 region of the X–chromosome of Drosophila melanogaster. Gvozdev VA, et al. **Mol Gen Genet** 141(3):269–75, 1 Dec 75

Cytological localization of the maternal effect gene, tuh–1, in Drosophila melanogaster. Pyati J. **Mol Gen Genet** 146(2):189–90, 23 Jul 76

Two separated nucleolus organizers on the Drosophila hydei Y chromosome. Schäfer U, et al. **Mol Gen Genet** 137(4):365–8, 1975

On nature of Y chromosome fragments induced in Drosophila melanogaster females. III. C(1)RA vs C(1)RM females. Andrews RM, et al. **Mutat Res** 33(2–3):213–20, Dec 75

Chemical induction of chromosome aberrations in somatic cells of Drosophila melanogaster. Gatti M, et al. **Mutat Res** 33(2–3):201–12, Dec 75

Radiation–induced numerical aberrations in wild type Drosophila females. Hawley RS. **Mutat Res** 33(2–3):391–4, Dec 75

Investigations on radio–sensitive and radio–resistant populations of Drosophila melanogaster. VII. High relative radio resistance to the induction of sex–linked recessive lethals in stage–7 oocytes of RO I4. Nöthel H, et al. **Mutat Res** 36(2):245–8, Aug 76

Letter: Myasthenia gravis and XYY syndrome. Cervenka J, et al. **N Engl J Med** 294(16):904, 15 Apr 76

Letter: H–Y locus and sex differentiation. Davis BM. **N Engl J Med** 294(9):502, 26 Feb 76

Editorial: Y–linked genes and male–sex determination. Gerald PS. **N Engl J Med** 293(21):1095, 20 Nov 75

Expression of H–Y antigen in human males with two Y chromosomes. Wachtel SS, et al. **N Engl J Med** 293(21):1070–2, 20 Nov 75

Cardiac features of an unusual X–linked humeroperoneal neuromuscular disease. Waters DD, et al. **N Engl J Med** 293(20):1017–22, 13 Nov 75

Expression of H—Y (male) antigen in phenotypically female Tfm/Y mice. Bennett D, et al. **Nature** 257(5523):236–8, 18 Sep 75

Somatic cell genetic evidence for X–chromosome linkage of three enzymes in the mouse. Chapman VM, et al. **Nature** 259(5545):665–7, 26 Feb 76

Counter–intuitive property of effective population size. Crozier RH. **Nature** 262(5567):384, 29 Jul 76

Spermatogenic failure of translocation heterozygotes affected by H–2–linked gene in mouse. Forejt J. **Nature** 260(5547):143–5, 11 Mar 76

Fertile XX– and XY–type females in the wood lemming Myopus schisticolor. Fredga K, et al. **Nature** 261(5557):225–7, 20 May 76

Human–mouse cell hybrid with human multiple Y chromosomes. Marcus M, et al. **Nature** 262(5563):63–5, 1 Jul 76

Similarities and differences in the structure of X and Y chromosome rRNA genes of Drosophila. Tartof KD, et al. **Nature** 263(5572):27–30, 2 Sep 76

Sex chromosomes translocation and speciation. Tracey ML, et al. **Nature** 263(5575):321–3, 23 Sep 76

Possible role for H—Y antigen in the primary determination of sex. Wachtel SS, et al. **Nature** 257(5523):235–6, 18 Sep 75

Non–random inactivation of X chromosome in the rat yolk sac. Wake N, et al. **Nature** 262(5569):580–1, 12 Aug 76

Letter: Chronic granulomatous disease. White B. **NZ Med J** 82(548):212, 24 Sep 75

Pure gonadal dysgenesis with nonmosaic XY sex chromosomes. Meldrum DR, et al. **Obstet Gynecol** 48(3):357–9, Sep 76

Mosaicism and lack of fluorescence of Y chromosome. Winters AJ, et al. **Obstet Gynecol** 46(3):367–70, Sep 75

Thyroid metabolism in the recessive sex–linked dwarf female chicken. 3. The influence of exogenous thyroid hormones in glycogen metabolism. Grandhi RR, et al. **Poult Sci** 54(2):499–502, Mar 75

Thyroid metabolism in the recessive sex–linked dwarf female chicken. 5. Effects of exogenous thyroid hormones on amino acid uptake by eggs. Grandhi RR, et al. **Poult Sci** 54(2):510–3, Mar 75

Thyroid metabolism in the recessive sex–linked dwarf female chicken. 2. Binding of thyroid hormones by serum proteins. Grandhi RR, et al. **Poult Sci** 54(2):493–9, Mar 75

Thyroid metabolism in the recessive sex–linked dwarf female chicken. 4. The influence of exogenous thyroid hormones on amino acid uptake by plasma and tissues. Grandhi RR, et al. **Poult Sci** 54(2):503–9, Mar 75

Thyroid metabolism in the recessive sex–linked dwarf female chicken. 1. Age related changes in thyroid hormone synthesis and circulating thyroid hormone levels. Grandhi RR, et al. **Poult Sci** 54(2):488–93, Mar 75

A dominant X–linked factor in manic–depressive illness: studies with color blindness. Fieve RR, et al. **Proc Am Psychopathol Assoc** (63):241–55, 1975

Extra chromosomes and criminality. Kessler S. **Proc Am Psychopathol Assoc** (63):65–73, 1975

Linkage studies in affective disorders: the Xg blood group and manic–depressive illness. Mendlewicz J, et al. **Proc Am Psychopathol Assoc** (63):220–32, 1975

Familial cerebellar ataxia with sex–linked recessive inheritance. Spira PJ, et al. **Proc Aust Assoc Neurol** 12:171–7, 1975

Letter: Sex–associated antigens in mice and rats. Hildemann WH. **Science** 185(4155):962–3, 13 Sept 74

Social class and frequency of XYY and XXY. Walzer S, et al. **Science** 190(4220):1228–9, 19 Dec 75

A simple staining method for the analysis of meiotic metaphase II divisions in the male mouse. Szemere G, et al. **Stain Technol** 51(1):64–6, Jan 76

Sex–determined antigens in rats detected by bone marrow transplantation but not skin grafting. Dunn CD. **Transplantation** 20(2):142–9, Aug 75

Bos taurus Y chromosome of Africander cattle and the development of improved breeds for the tropics. Halnan CR, et al. **Vet Rec** 98(5):88–90, 31 Jan 76

Morphology and behaviour of sex chromosomes during meiosis in Ascaris suum. Mutafova T. **Z Parasitenkd** 46(4):291–5, 16 Jul 75

[Cytogenetic and clinical characteristics of the triple–X syndrome] Zergollern L, et al. **Acta Med Iugosl** 29(4):339–48, 1975 (Eng. Abstr.) **(Cro)**

[Mosaic form of deletion of the long arm of Y chromosome in Down's syndrome] Baliček P, et al. **Cas Lek Cesk** 115(1):9–13, 9 Jan 76 (Eng. Abstr.) **(Cze)**

[The first manifestations of freemartinism in the calf fetus do not depend on XX/XY chromosomal chimerism] Vigier B, et al. **C R Acad Sci [D] (Paris)** 282(14):1355–8, 5 Apr 76 (Eng. Abstr.) **(Fre)**

[Antisocial behaviour and variations in length of Y chromosome (author's transl)] Benezech M, et al. **Hum Genet** 32(1):77–80, 15 Apr 76 (Eng. Abstr.) **(Fre)**

[Heterogeneous phenotypes in 4 XYY children] Burgio GR, et al. **J Genet Hum** 23 SUPPL:86–91, Oct 75 **(Fre)**

[Estimation of the frequency of recessive X-chromosome-associated traits among females] Pfändler U, et al. **J Genet Hum** 23(1):43–58, Mar 75 **(Fre)**

[Diagnosis of fetal sex in utero by detection of the fluorescent Y chromosome] Guibaud S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):503–9, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[ERG and EOG in x-chromosome vitreo-retinal degeneration] Denden A. **Ber Dtsch Ophthalmol Ges** (73):172–4, 1975 **(Ger)**

[A case of X/X translocation: t(X;X) (q26;p11)] Wagenbichler P, et al. **Klin Paediatr** 187(6):533–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Formation of cells with female chromosome sets in tissue cultures of male earth mice] Pera F, et al. **Verh Anat Ges** 68:689–94, 1974 (Eng. Abstr.) **(Ger)**

[Fluorescence photometric studies on human Y bodies] Beensen V, et al. **Z Med Labortech** 16(6):347–60, 1975 (Eng. Abstr.) **(Ger)**

[Mosaicism 46, XX,/ 47, XXX/ 48,XXXX/ 48, XXX, D] Szollár J, et al. **Orv Hetil** 117(25):1516–20, 20 Jun 76 **(Hun)**

[49, XXXXX chromosome equipment in a girl with psychophysical underdevelopment] Giovannucci-Uzielli ML, et al. **Minerva Pediatr** 27(40):2220–9, 29 Dec 75 (Eng. Abstr.) **(Ita)**

[Case of Klinefelter's syndrome with a long Y] Komatsu H, et al. **Clin Endocrinol (Tokyo)** 23(10):1035–8, Oct 75 **(Jpn)**

[Y chromosome in the oral epithelium on the 1st day of life] Romer TE, et al. **Endokrynol Pol** 27(1):45–50, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[2 cases of structural anomalies of X chromosome with a 46,XXp karyotype] Boczkowski K. **Ginekol Pol** 46(8):893–9, Aug 75 (Eng. Abstr.) **(Pol)**

[Frequency of Y bodies and location in white blood cells in boys aged 3–17 years] Kowalczyk J. **Pediatr Pol** 51(4):397–401, Apr 76 (Eng. Abstr.) **(Pol)**

[Immunogenetic analysis of the localization of the Y-factor in the mouse genome. I. Study of interspecific F1 hybrids] Baskevich MI, et al. **Genetika** 11(6):62–7, 1975 (Eng. Abstr.) **(Rus)**

[Glucose-6-phosphate dehydrogenase and X-chromosome activation] Sluzhinskaia ZA, et al. **Tsitol Genet** 10(1):3–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Late replicating human X-chromosome in the early S-period] Stobetskiĭ VI. **Tsitologiia** 18(3):353–6, Mar 76 (Eng. Abstr.) **(Rus)**

[Clinical polymorphism of X-linked myopathies] Grinio LP. **Zh Nevropatol Psikhiatr** 74(3):321–9, 1974 (Eng. Abstr.) **(Rus)**

[The XYY syndrome (brief clinico-morphologic characteristics)] Marinina GP, et al. **Zh Nevropatol Psikhiatr** 76(3):413–6, 1976 (Eng. Abstr.) **(Rus)**

[Use of chromosme analysis in forensic genetics] Ondrejčák M, et al. **Bratisl Lek Listy** 64(4):492–5, Oct 75 **(Slo)**

[Pondostatural sex dimorphism in a Chilean population. Genes for growth in sex chromosomes? (AUTHOR'S TRANSL)] Valenzuela CY. **Rev Med Chil** 103(5):322–6, May 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

Karotype, DNA replication and origin of sex chromosomes in Anopheles atroparvus. Fraccaro M, et al. **Chromosoma** 55(1):27–36, 31 Mar 76

Polymorphisms for human chromosomes 1 and Y. Feulgen and UV DNA measurements. Geraedts JP, et al. **Exp Cell Res** 95(1):9–14, 1 Oct 75

Repeated sequence specific to human males. Cooke H. **Nature** 262(5565):182–6, 15 JUL 76

[Bilateral gonadoblastoma in a menstruating woman with the karyotype 46, XY] Novotná J, et al. **Cesk Gynekol** 40(6):438–40, Jul 75 (Eng. Abstr.) **(Cze)**

[Proof of chromosome Y in human spermatozoa (author's transl)] Neuwirth J, et al. **Sb Lek** 77(9):271–4, Sep 75 (Eng. Abstr.) **(Cze)**

[Time-limits of Y-chromosome determination from blood stains and hair] Tröger HD, et al. **Beitr Gerichtl Med** 32:159–62, 1974 (Eng. Abstr.) **(Ger)**

[An improved method for the determination of Y chromosomes in blood stains (author's transl)] Thomsen JL. **Z Rechtsmed** 76(2):81–6, 11 Nov 75 (Eng. Abstr.) **(Ger)**

[Problem in the partial separation of X- and Y-carrying human spermatozoa] Rhode W, et al. **Zentralbl Gynaekol** 97(7):408–12, 1975 (Eng. Abstr.) **(Ger)**

[Heterochromatic segment of the human normal 'Y' chromosome: 'C' bands quantitation (author's transl)] Drets ME, et al. **Rev Med Chil** 103(5):307–11, May 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The origin of chromosome aberrations in mature sperm of Drosophila: influence of sodium fluoride on treatments with trenimon and 1-phenyl-3,3-dimethyltriazene. Büchi R, et al. **Arch Genet (Zur)** 48(1):59–67, 1975

The effect of caffeine on repair systems in oocytes of Drosophila melanogaster. Mendelson D. **Mutat Res** 35(1):91–100, Apr 76

IMMUNOLOGY

The effect of allogeneic presensitization on H-Y graft survival and in vitro cell-mediated responses to H-y antigen. Gordon RD, et al. **J Exp Med** 144(3):810–20, 1 Sep 76

Serologic detection of a y-linked gene in xx males and xx true hermaphrodites. Wachtel SS, et al. **N Engl J Med** 295(14):750–4, 30 Sep 76

H-Y male antigen: detection on eight-cell mouse embryos. Krco CJ, et al. **Science** 193(4258):1134–5, 17 Sep 76

METABOLISM

Analysis of deoxyribonucleic acid replication in human X chromosomes by fluorescence microscopy. Willard HF, et al. **Am J Hum Genet** 28(3):213–27, May 76

Binding of quinacrine to the human Y chromosome. Hatfield JM, et al. **Chromosoma** 52(1):67–71, 15 Sep 75

Chromosomal basis of dosage compensation in Drosophila VIII. Faster replication and hyperactivity of both arms of the X-chromosome in males of Drosophila pseudoobscura and their possible significance. Mukherjee AS, et al. **Chromosoma** 53(2):91–105, 24 Nov 75

Fluorescence analysis of late DNA replication in mouse metaphase chromosomes using BUdR and 33258 Hoechst. Madan K, et al. **Exp Cell Res** 99(2):438–44, May 76

Isochromosome X in man: different DNA replication patterns in the long arms. Baranovskaya LI, et al. **Hum Genet** 33(1):55–60, 7 Jul 76

Late DNA replicaion of X chromosomes in female and pseudofemale cells of Microtus agrestis. Pera F, et al. **Humangenetik** 30(2):173–7, 6 Nov 75

Hyperactivity and faster replicating property of the two arms of the male X of Drosophila pseudoobscura. Mukherjee AS, et al. **J Microsc (Oxf)** 106(2):199–208, Mar 76

Expression of H—Y (male) antigen in phenotypically female Tfm/Y mice. Bennett D, et al. **Nature** 257(5523):236–8, 18 Sep 75

Human gene expression in rodent cells after uptake of isolated metaphase chromosomes. Burch JW, et al. **Proc Natl Acad Sci USA** 72(5):1797–801, May 75

Cell cycle analysis and X-chromosome inactivation in the developing mouse. Mukherjee AB. **Proc Natl Acad Sci USA** 73(5):1608–11, May 76

[DNA content, replication and transcription rate in different site of the X-chromosome of Drosphila melanogaster] Anan'ev EV, et al. **Mol Biol (Mosk)** 9(5):752–60, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[DNA content, replication and transcription rate in different site of the X-chromosome of Drosphila melanogaster] Anan'ev EV, et al. **Mol Biol (Mosk)** 9(5):752–60, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Premature centromere division: a mechanism of non-disjunction causing X chromosome aneuploidy in somatic cells of man. Fitzgerald PH, et al. **Ann Hum Genet** 38(4):417–28, May 75

X-chromosome inactivation and selection in somatic cells. Gartler SM. **Fed Proc** 35(10):2191–4, Aug 76

Sex chromosome evolution and activity in mammals, particularly kangaroos. pp. 381–93. Cooper DW, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**

Y chromosome effect on adult testis size. Hayward P. **Nature** 250(5466):498–500, 9 Aug 74

Independence of hand preference and sex-linked genetic effects on spatial performance. Yen WM. **Percept Mot Skills** 41(1):311–8, Aug 75

RADIATION EFFECTS

Partial losses of sex chromosomes induced by X-rays in spermatozoa of Drosophila melanogaster. Falk R, et al. **Mutat Res** 29(3):397–406, Sep 75

Lack of effect of sodium fluoride on a maternal repair system in Drosophila oocytes. Mendelson D. **Mutat Res** 34(2):245–50, Feb 76

[Effect of pulse and prolonged x-rays in air and in nitrogen on the frequency of sex-linked recessive lethal mutations in Drosophila melanogaster] Khaĭmovich TI, et al. **Genetika** 11(5):57–62, 1975 (Eng. Abstr.) **(Rus)**

[Effect of pulse and prolonged x-rays in air and in nitrogen on the frequency of sex-linked recessive lethal mutations in Drosophila melanogaster] Khaĭmovich TI, et al. **Genetika** 11(5):57–62, 1975 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

E trisomy phenotype associated with small metacentric chromosome and a familial Y-22 translocation. Dumars KW, et al. **Birth Defects** 12(5):97–104, 1976

Cytogenetics of two species of Euceraphis (Homoptera, Aphididae). Blackman RL. **Chromosoma** 56(4):393–408, 30 Jul 76

Length of Y chromosome and activity in boys. Nielsen J, et al. **Clin Genet** 8(4):291–6, Oct 75

New compound (1) chromosomes and the production of large quantities of X/O males in Drosophila hydei. Beck H. **Genet Res** 26(3):313–7, Dec 75

Molecular aspects of the fertility factors in Drosophila. pp. 69–75. Meyer GF, et al. **In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.**

The behavior of chromosomal axes during male meiotic prophase. pp. 91–9. Solari AJ. **In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.** (31 ref.)

Spatial distribution of chromosomes 1 and Y in human spermatozoa. Geraedts JP, et al. **J Reprod Fertil** 45(3):515–7, Dec 75

[Letter: The fetal sex. Its prenatal diagnosis by the search of 'fluorescent corpuscle' lymphocytes circulating in the maternal blood] Dargent D, et al. **Nouv Presse Med** 4(31):2270, 27 Sep 75 **(Fre)**

[Cytogenetic analysis of complementation groups in the 10A1-2 disk of Drosophila melanogaster X-chromosome] Beliaeva ES, et al. **Dokl Akad Nauk SSSR** 228(5):1208–11, 1976 **(Rus)**

[Structure-function features of the long-arm iso-X-chromosome of 45, X/46X, i(Xq) patients] Beniush VA, et al. **Genetika** 11(12):102–9, 1975 (Eng. Abstr.) **(Rus)**

SEX DETERMINATION

see related
SEX CHROMATIN

An increased incidence of an androgen type cell in vaginal smears of pregnent women carrying femal foetus: possible significance. Khan AA, et al. **Acta Cytol (Baltimore)** 20(4):347–8, Jul–Aug 76

Nuclear chromatin determination in amniotic fluid cells for prenatal sex prediction in the macaque. Herbst A, et al. **Am J Obstet Gynecol** 124(7):761–3, 1 Apr 76

Sex determination from necrotic pulpal tissue. Whittaker DK, et al. **Br Dent J** 139(10):403–5, 18 Nov 75

Major regulatory genes for mammalian sexual development. Ohno S. **Cell** 7(3):315–21, Mar 76

Fetal sex pridiction by sex chromatin of chorionic villi cells during early pregnancy. **Chin Med J [Engl]** 1(2):117–26, Mar 75

Optimum pH for nuclear sex identification using quinacrine. Korf BR, et al. **Clin Genet** 8(2):145–8, Aug 75

Sex determination in bees. IV. Genetic control of juvenile hormone production in Melipona quadrifasciata (Apidae). Kerr WE, et al. **Genetics** 81(4):749–56, Dec 75

Antenatal sex determination in blood from pregnant women. Siebers JW, et al. **Humangenetik** 28(4):273–80, 25 Aug 75

Determination of X- and Y-chromatin in amniotic fluid cells: technical aspects. Joseph R, et al. **Indian Pediatr** 12(11):1063–71, Nov 75

Prenatal diagnosis of genetic disorders. Verma IC, et al. **Indian Pediatr** 12(5):381–5, May 75

Prenatal sex determination by Y-fluorescence of amniotic fluid interphase nuclei. Hamilton SM, et al. **J Indian Med Assoc** 65(12):325–8, 16 Dec 75

Prediction of fetal sex in cattle by testosterone levels in allantoic fluid. Bongso TA, et al. **J Reprod Fertil** 46(2):441–2, Mar 76

Sexual evaluation of 'female' athletes. François J, et al. **J Sports Med** 1(3):5–11, Mar–Apr 73

Sex determination of the lesser bushbaby (Galago senegalensis). Haines DE, et al. **Lab Anim Sci** 26(3):430–5, Jun 76

Editorial: Y-linked genes and male-sex determination. Gerald PS. **N Engl J Med** 293(21):1095, 20 Nov 75

Expression of H—Y (male) antigen in phenotypically female Tfm/Y mice. Bennett D, et al. **Nature** 257(5523):236–8, 18 Sep 75

Fertile XX- and XY-type females in the wood lemming Myopus schisticolor. Fredga K, et al. **Nature** 261(5557):225–7, 20 May 76

Possible role for H—Y antigen in the primary determination of sex. Wachtel SS, et al. **Nature** 257(5523):235–6, 18 Sep 75

Prenatal sex determination by observation of the X-chromatin and the Y-chromatin of exfoliated amniotic fluid cells. Ju KS, et al. **Obstet Gynecol** 47(3):287–90, Mar 76

[Antenatal diagnosis of fetal sex by examination of free cells in the amniotic fluid stained by the Papanicolaou method] Dargent D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(1):61–4, Jan–Feb 74 (Eng. Abstr.) **(Fre)**

[Diagnosis of fetal sex in utero by detection of the fluorescent Y chromosome] Guibaud S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):503–9, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[Letter: The fetal sex. Its prenatal diagnosis by the search of 'fluorescent corpuscle' lymphocytes circulating in the maternal blood] Dargent D, et al. **Nouv Presse Med** 4(31):2270, 27 Sep 75 **(Fre)**

[Voluntary sex determination and selection. Recent scientific attainments] Séguy B. **Nouv Presse Med** 5(8):503–7, 21 Feb 76 **(Fre)**

[Letter: Cytologic study of amniotic fluid. A simple method of sex determination of the fetus in utero] Toulouse R, et al. **Nouv Presse Med** 4(16):1207, 19 Apr 75 **(Fre)**

[An improved method for the determination of Y chromosomes in blood stains (author's transl)] Thomsen JL. **Z Rechtsmed** 76(2):81–6, 11 Nov 75 (Eng. Abstr.) **(Ger)**

[The begetting of a boy or of a girl respectively] Sillóʻ-Seidl G. **Zentralbl Gynaekol** 97(17):1076–9, 1975 (Eng. Abstr.) **(Ger)**

[Sex determination by chromosomes in seven species of birds ((author's transl)] Omura Y. **Jpn J Vet Sci** 38(03):281–8, Jun 76 (Eng. Abstr.) **(Jpn)**

[Sex chromatin in sex determination and the diagnosis of gonadal differentiation disorders in children] Walczak M, et al. **Pediatr Pol** 50(9):1125–9, Sep 75 (Eng. Abstr.) **(Pol)**

Karotype of Dicrostonyx torquatus chionapaes Allen and an unusual chromosome mechanism of sex determination in Palearctic pied lemmings] Gileva EA. **Dokl Akad Nauk SSSR** 224(3):697–700, 21 Sep 75 **(Rus)**

[Uranium content in human hair as an index of sex identification. I] Petrosian NG, et al. **Sud Med Ekspert** 18(4):22–4, Oct–Dec 75 **(Rus)**

[Sportsmen should listen more to doctors. The sex test is a terrible warning] Karlsson Y. **Nord Med** 91(2):45–7, Feb 76 **(Swe)**

DRUG EFFECTS

[Action of hormones on the female germinal cells of Carassius auratus L. in organ culture. Sex reversal and oogenesis in vitro] Remacle C, et al. **Gen Comp Endocrinol** 29(2):212–24, Jun 76 (Eng. Abstr.) **(Fre)**

METHODS

[Sex determination in blood samples and blood stains of male individuals] Schaidt G, et al. **Arch Kriminol** 151(1–2):41–8, Jan–Feb 73 **(Ger)**

SEX DEVIATION

see related
SEX OFFENSES

The pedophilic offender with antisocial character. Virkkunen M. **Acta Psychiatr Scand** 53(5):401–5, May 76

Antonioni's Blow-up: from crib to camera. Goldstein M. **Am Imago** 32(3):240–63, Fall 75

Amplification of the erotic enema deviance. Denko JD. **Am J Psychother** 30(2):236–55, Apr 76

A Jungian commentary on Epstein's case wet-shoe fetish. McCully RS. **Arch Sex Behav** 5(2):185–8, Mar 76

Oral and rectal coitus amongst female gonorrhoea contacts in London. Cornthwaite SA, et al. **Br J Clin Pract** 28(9):305–6, Sep 74

Indecent exposure and exhibitionism. Rooth FG. **Br J Psychiatry** Spec No 9:212–22, 1975 (45 ref.)

Deviance and criminality: the case of voyeur in a peeper's paradise. Kutchinsky B. **Dis Nerv Syst** 37(3):145–51, Mar 76

Personality characteristics of exhibitionists. Smukler AJ, et al. **Dis Nerv Syst** 36(11):600–3, Nov 75

A fresh look at perverse behaviour. Goldberg A. **Int J Psychoanal** 56(3):335–42, Aug 75

The Clarke Parent–Child Relations Questionnaire: a clinically useful test for adults. Paitich D, et al. **J Consult Clin Psychol** 44(3):428–36, Jun 76

Personality differences among child molesters. McCreary CP. **J Pers Assess** 39(6):591–3, Dec 75

Amputee fetishism: an exclusive journal interview with Dr. John Money of Johns Hopkins. Taylor B, et al. **Md State Med J** 25(3):35–9, Mar 76

Sexual deviation and crime. Power DJ. **Med Sci Law** 16(2):111–28, Apr 76

Palatal erythema: another etiologic factor. Giansanti JS, et al. **Oral Surg** 40(3):379–81, Sep 75

Petechial hemorrhages of the soft palate secondary to fellatio. Schlesinger SL, et al. **Oral Surg** 40(3):376–8, Sep 75

[Strange woman as object of deviant male and biology of phases of sexual behaviour (author's transl)] Kolářský A, et al. **Cesk Psychiatr** 71(5):291–4, Oct 75 (Eng. Abstr.) **(Cze)**

[A case of sodomy (author's transl)] Topiař A, et al. **Cesk Psychiatr** 71(6):386–8, Dec 75 (Eng. Abstr.) **(Cze)**

[Criminal psychiatry evaluation of sexual aberrations] Magyar I, et al. **Arch Kriminol** 156(3–4):85–94, Sep–Oct 75 **(Ger)**

[Suicides and homicides under the disguise of an autoerotic accident] Naeve W. **Arch Kriminol** 154(5–6):145–9, Nov–Dec 74 **(Ger)**

[Problem of the so-called sex deviation] Schorsch E. **Beitr Sexualforsch** 49:88–103, 1970 **(Ger)**

[The female sexual delinquent] Fehlow P. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):612–8, Oct 75 (Eng. Abstr.) **(Ger)**

BLOOD

Endocrine changes in male sexual deviants after treatment with anti-androgens, oestrogens or tranquillizers. Murray MA, et al. **J Endocrinol** 67(2):179–88, Nov 75

COMPLICATIONS

The behavior of hypersexual delinquent girls. Goodman JD. **Am J Psychiatry** 133(6):662–8, Jun 76

Amorous lingual motions (letter). Pieroni NA. **J Am Dent Assoc** 93(3):517, Sep 76

DIAGNOSIS

Identifying specific erotic cues in sexual deviations by audiotaped descriptions. Abel GG, et al. **J Appl Behav Anal** 8(3):247–60, Fall 75

DRUG THERAPY

Use of depo-provera in the treatment of aggressive sexual offenders: preliminary report of three cases. Barry DJ, et al. **Bull Am Acad Psychiatry Law** 3(3):179–84, 1975

Antiandrogen therapy of sex offenders. pp. 121–4. Rose RM. **In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.**

Antiandrogens in the treatment of sexual deviations of men. Laschet U, et al. **J Steroid Biochem** 6(6):821–6, Jun 75

[Androcur (cyprosterone acetate)—a drug with antiandrogen effect] Frey H. **Tidsskr Nor Laegeforen** 95(24):1368–9, 30 Aug 75 **(Nor)**

ETIOLOGY

Parapraxis and the mother–child relationship. Mintz IL. **Psychoanal Q** 44(3):460–1, Jul 75

FAMILIAL & GENETIC

Sexual and other abnormalities in the family of a transsexual. Hoenig J, et al. **Psychiatr Clin (Basel)** 7(6):334–46, 1974

HISTORY

The romantic necrophiliac of Key West. Foraker AG. **J Fla Med Assoc** 63(8):642–5, Aug 76

SURGERY

[Sterotactic approach to sexual deviation treatment (author's transl)] Nádvorník P, et al. **Cesk Psychiatr** 71(4):230–3, Aug 75 (Eng. Abstr.) **(Slo)**

THERAPY

Social reintegration of sexual delinquents by a combination of psychotherapy and anti-androgen treatment. Van Moffaert M. **Acta Psychiatr Scand** 53(1):29–34, Jan 76

Treatment for the parents of feminine boys. Newman LE. **Am J Psychiatry** 133(6):683–7, Jun 76

Case reports the treatment of a child foot fetishist. Bemporad JR, et al. **Am J Psychother** 30(2):303–16, Apr 76

The eclectic and multiple therapy of a shoe fetishist. Chambers WM, et al. **Am J Psychother** 30(2):317–26, Apr 76

An integrated treatment program for sexual offenders. Marshall WL, et al. **Can Psychiatr Assoc J** 20(2):133–8, Mar 75

Combined antiandrogenic and counseling program for treatment of 46, XY and 47, XYY sex offenders. pp. 105–20. Money J, et al. **In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.**

Addendum to a partial analysis of a perversion involving bugs: an illustration of the narcissistic function of perverse activity. Stolorow RD. **Int J Psychoanal** 56(3):361–4, Aug 75

The treatment of sexual problems. Bancroft JH. **Ir Med J** 68(18):465–9, 11 Oct 75

Behavior therapy of the sexual variations. Fensterheim H. **J Sex Marital Ther** 1(1):16–28, Fall 74

SEX DIFFERENTIATION

Anti-Müllerian hormone: estimation of molecular weight by gel filtration. Picard JY, et al. **Biomedicine [Express]** 25(4):147–50, Jun 76

Major regulatory genes for mammalian sexual development. Ohno S. **Cell** 7(3):315–21, Mar 76

Differentiation and development of the male. Forest MG. **Clin Endocrinol Metabol** 4(3):569–96, Nov 75 (114 ref.)

Sex reversal in the mouse and other mammals. pp. 305–17. Cattanach BM. **In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974.** (44 ref.)

Neonatal differentiation of hepatic steroid metabolism in the rat. pp. 233–44. Gustafsson JA, et al. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

Sexual differentiation of the brain of the sheep. pp. 121–42. Short RV. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

Sexual differentiation: models, methods, and mechanisms. pp. 467–81. Whalen RE. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.** (47 ref.)

Organizing effects of 'early' testosterone secretion on steroid metabolism and binding. pp 343–69. De Moor P, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.** (112 ref.)

Sexual differentiation of the hypothalamic 'prolactin inhibiting factor center' and other brain areas. pp 313–41. Hahn JD, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.** (66 ref.)

Hormonal basis of sexual differentiation in the Japanese quail. Adkins EK. **J Comp Physiol Psychol** 89(1):61–71, Mar 75

Proceedings: Intra-uterine gonadal development. Peters H. **J Endocrinol** 66(2):5P–6P, Aug 75

Letter: H-Y locus and sex differentiation. Davis BM. **N Engl J Med** 294(9):502, 26 Feb 76

Role of oestrogen receptor in androgen-induced sexual differentiation of the brain. Westley BR, et al. **Nature** 262(5567):407–8, 29 Jul 76

On the obligatory role of the hypophysis in sexual differentiation hepatic metabolism in rats. Gustafsson JA, et al. **Proc Natl Acad Sci USA** 73(5):1462–5, May 76

Gonad size and sex differentiation in rabbit embryos. Buehr M, et al. **Verh Anat Ges** 68:163–7, 1974

[Primary sex differentiation] van Limborgh J. **Ned Tijdschr Geneeskd** 120(34):1454–61, 21 Aug 76 **(Dut)**

[Gonad development and differentiation in the golden hamster] Laurent JL, et al. **Bull Assoc Anat (Nancy)** 59(166):639–50, Sep 75 (Eng. Abstr.) **(Fre)**

[Comparative study on the ultrastructure of the primary mammary bud of male and female embryos at the stage of sexual differentiation] Colard C, et al. **C R Acad Sci [D] (Paris)** 280(15):1821–4, 21 Apr 75 **(Fre)**

[Study of the sexual dimorphism of the preputial glands in the rat fetus] Marois M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):791–5, Sep 74 (Eng. Abstr.) **(Fre)**

[Sexually differentiated metabolism of testosterone in liver slices of mouse, and its alteration by a mutation in the X-chromosome that results in testicular feminization] Schriefers H, et al. **Hoppe Seylers Z Physiol Chem** 357(1):95–101, Jan 76 (Eng. Abstr.) **(Ger)**

[Boy or girl? Significance of hormones in the fixation of sex] Neumann F. **Pharm Unserer Zeit** 4(4):95–107, Jul 75 **(Ger)**

[Sex differentiation of cerebral centers in mammals] Boczkowski K. **Postepy Hig Med Dosw** 30(3):333–45, May–Jun 76 **(Pol)**

[Development of afferent synapses in the arcuate nuclei during sexual differentiation of the hypothalamus] Priĭmak EKh. **Ontogenez** 5(5):521–4, 1974 (Eng. Abstr.) **(Rus)**

[Development of afferent synapses in the arcuate nuclei during sexual differentiation of the hypothalamus] Priĭmak EKh. **Ontogenez** 5(5):521–4, 1974 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Hormonal stimulation of ribosomal RNA synthesis in Achlya ambisexualis. Horgen PA, et al. **Can J Biochem** 53(12):1341–5, Dec 75

Effects of testosterone propionate or dihydrotestosterone propionate on plasma FSH and LH levels in neonatal rats and on sexual differentiation of the brain. Korenbrot CC, et al. **Endocrinology** 97(3):709–17, Sep 75

Is feminine differentiation of the brain hormonally determined? Shapiro BH, et al. **Experientia** 32(5):650–1, 15 May 76

Fetal androgens, human central nervous system differentiation, and behavior sex differences. pp. 33–51. Ehrhardt AA, et al. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.**

Sex hormone-dependent differentiation of the hypothalamus and sexuality. pp. 47–51. Dörner G. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

Mechanisms of androgen induced masculine differentiation of the rat brain. pp. 27–45. Gorski RA. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.** (49 ref.)

Effects of oestradiol-17beta, oestradiol benzoate and the synthetic oestrogen RU 2858 on sexual differentiation in the neonatal female rat. Doughty C, et al. **J Endocrinol** 67(3):419–24, Dec 75

Inhibition, by the anti-oestrogen MER-25, of defeminization induced by the synthetic oestrogen RU 2858. Doughty C, et al. **J Endocrinol** 67(3):459–60, Dec 75

Proceedings: Sexual differentiation of the brain of the sheep. Short RV. **J Endocrinol** 66(2):5P, Aug 75

Effect of estrogen plasma binding on sexual differentiation of the rat fetus. Vannier B, et al. **Mol Cell Endocrinol** 3(5):323–37, Nov 75

Biological activity of some steroidal compounds in the adult and larval frogs. Iela L, et al. **Steroids** 26(5):663–9, Nov 75

[Progestational properties of dydrogesterone microcrystals and their innocuousness on the somatic sexual differentiation of the rat fetus] Marois M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):645–51, Sep 73 (Eng. Abstr.) **(Fre)**

[Action of estradiol and testosterone on the preputial glands of the rat fetus] Marois M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(7):971–80, Oct–Nov 74 **(Fre)**

[Effects of estriol and quinestradol administered to pregnant rats on the fetal sex differentiation] Bruni G, et al. **Ann Ostet Ginecol Med Perinat** 96(2):83–90, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

SEX DIFFERENTIATION DISORDERS

see related

TRANSSEXUALISM

Evaluation and management of the neonate with ambiguous genitalia. **J Ky Med Assoc** 74(2):75–82, Feb 76

Gender: quaesto quid juris? Hamilton W, et al. **Med Sci Law** 15(2):79–93, Apr 75

Disorders of sexual differentiation. Allen TD. **Urology** 7(4 Suppl):1–32, Apr 76 (205 ref.)

[Intersexual states] Guaschino S, et al. **Ann Ostet Ginecol Med Perinat** 96(5):334–44, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Neuropharmacological study on the induction of hypothalamic masculinization in female mice. Nishizuka M. **Neuroendocrinology** 20(2):157–65, 1976

CLASSIFICATION

Classification of hereditary disorders of sexual development. Wilson JD, et al. **Birth Defects** 11(4):1–16, 1975 (104 ref.)

DIAGNOSIS

HCG stimulation test in children with abnormal sexual development. Grant DB, et al. **Arch Dis Child** 51(8):596–601, Aug 76

Evaluation of sexual ambiguity. Moshang T Jr. **Del Med J** 47(12):711–4, Dec 75

Evaluation of the newborn with ambiguous genitalia. Donahoe PK, et al. **Pediatr Clin North Am** 23(2):361–70, May 76

[Laparoscopy and pneumopelvigraphy in the diagnosis of somato–sexual disorders in children and girls] Komorowska A, et al. **Endokrynol Pol** 27(2):203–13, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Sex chromatin in sex determination and the diagnosis of gonadal differentiation disorders in children] Walczak M, et al. **Pediatr Pol** 50(9):1125–9, Sep 75 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Testosterone in the early management of the ambiguous genitalia in the XY individual. Smith DW, et al. **Birth Defects** 11(4):143–4, 1975

ETIOLOGY

[Problems in children with intersexual organ–formation disorders] Peiz L. **Zentralbl Chir** 100(8):495–502, 1975 **(Ger)**

FAMILIAL & GENETIC

Mixed gonadal dysgenesis and other intersex states. Federman DD. **Birth Defects** 11(4):61–2, 1975

Ambiguous genitalia and mental retardation associated with a translocation 46, XX, t(9; 10) and a deletion in 9q. Jenkins EC, et al. **Birth Defects** 12(5):169–73, 1976

XO/XY mosaicism in a 2 year phenotypic male. Srivastava PK, et al. **J Genet Hum** 23(2):155–62, Jun 75 (Eng. Abstr.)

An XX female with sexual infantilism, absent gonads, and lack of Müllerian ducts. Levinson G, et al. **J Med Genet** 13(1):68–9, Feb 76

PHYSIOPATHOLOGY

[Clinical and experimental studies on anomalies of sex differentiation – with special reference to endocrine functions] Mizutani S. **Jpn J Urol** 66(9):545–8, Sep 75 **(Jpn)**

SURGERY

[Surgical tactics for sex correction of patients with testicular forms of hermaphroditism] Golubeva IV, et al. **Probl Endokrinol (Mosk)** 22(1):22–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

SEX DISORDERS

Family constellation and psychosexual disturbances. Lidberg L. **Acta Psychiatr Scand** 54(2):125–30, Aug 76

Marital sexual dysfunction:introductory concepts. Levine SB. **Ann Intern Med** 84(4):448–53, Apr 76

Marital sexual dysfunction: ejaculation disturbances. Levine SB. **Ann Intern Med** 84(5):575–9, May 76

Masturbatory guilt and sexual dysfunction. Clarke M. **Aust Fam Physician** 5(4):529–33, May 76

Letter: Schizophrenic symptomatology. Lumley F. **Aust NZ J Psychiatry** 9(4):292, Dec 75

Disturbances of sexual behavior. Betts TA. **Clin Endocrinol Metabol** 4(3):619–41, Nov 75

Stigmata—passion and punishment a modern case history. Copelan R. **J Am Soc Psychosom Dent Med** 22(3):85–90, 1975

Letter: Vasectomy. Drury VW. **J R Coll Gen Pract** 25(155):441–2, Jun 75

Letter: Vasectomy. Jackson LN. **J R Coll Gen Pract** 25(155):442, Jun 75

Sexual problems of women. Shainess N. **J Sex Marital Ther** 1(2):110–23, Winter 74

An experimental brief course in sexual behaviour and counseling. Montgomery RB, et al. **Med J Aust** 2(13):527–9, 27 Sep 75

Sexuality and irreversible health limitations. MacRae I, et al. **Nurs Clin North Am** 10(3):587–97, Sep 75

Common sexual problems of children and adolescents. Satterfield S. **Pediatr Clin North Am** 22(3):643–52, Aug 75 (12 ref.)

The sexual problems of the disabled: sex and the physically handicapped. Stewart WF. **R Soc Health J** 96(3):100–3, Jun 76

[Sexual dysfunctions] de Melker RA. **Ned Tijdschr Geneeskd** 119(46):1789–93, 15 Nov 75 **(Dut)**

[Diagnosis and therapy of female sex disorders in the medical practice] Frick V. **ZFA** 52(8):404–9, 20 Mar 76 **(Ger)**

[The physician's approach to the patient with sexual problems] Vogt HJ. **ZFA** 52(8):410–2, 20 Mar 76 **(Ger)**

[Profanities and the profane person] Alva Quiñones J. **Acta Psiquiatr Psicol Am Lat** 21(2):90–4, Jun 75 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Thioridazine and sexual dysfunction. Kotin J, et al. **Am J Psychiatry** 133(1):82–5, Jan 76

Gonadal changes in nephrological patients treated with cyclophosphamide] Bonzález Zúñiga G, et al. **Bol Med Hosp Infant Mex** 33(3):507–20, May–Jun 76 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

An inventory for the measurement of female sexual arousability: the SAI. Hoon EF, et al. **Arch Sex Behav** 5(4):269–74, Jul 76

An approach to the gy ecological patient. Rhodes P. **Br Med J** 3(5979):361–3, 9 Aug 75

Sexual problems in gynecology patients: guidelines for office practice. Kresch AJ, et al. **Clin Obstet Gynecol** 19(2):465–72, Jun 76

Sexual history taking. Croft HA. **Postgrad Med** 60(9):201–3, Sep 76

[The symptomatology of sexual dysfunction] Eicher W. **ZFA** 52(8):398–403, 20 Mar 76 **(Ger)**

DRUG THERAPY

Lorazepam in sexual disorders. Maneksha S, et al. **Br J Clin Pract** 29(7):175–6, Jul 75

Doxepin treatment of sexual dysfunctions associated with depression. pp. 23–31. Renshaw DC. **In: Mendels J, ed. Sinequan (doxepin HCl). Amsterdam, Excerpta Medica, 1975. W3 EX89 no.385 1975.**

The clinical application of laboratory animal experimental findings: treatment of hypersexualized behavior in a male. Chapel JL, et al. **Int J Clin Pharmacol Biopharm** 12(1–2):234–8, Jul 75

ETIOLOGY

Letter: Sexual life after gynaecological operations. **Br Med J** 3(5982):543, 30 Aug 75

Sexual problems in disorders of the nervous system. II. Psychological reactions. Silver JR, et al. **Br Med J** 3(5982):532–4, 30 Aug 75

A case of limbic system dysfunction with hypersexualith and fugue state. Mohan KJ, et al. **Dis Nerv Syst** 36(11):621–4, Nov 75

Sex and denture—psychological aspects. Mellgren A. **J Am Soc Psychosom Dent Med** 21(4):125–34, 1974

Marital discord, sexual problems, and depression. Steele TE, et al. **J Nerv Ment Dis** 162(4):225–37, Apr 76

Premature ejaculation: some thoughts about its pathogenesis. Levine SB. **J Sex Marital Ther** 1(4):326–34, Summer 75

Temporary sexual dysfunction in reversible health limitations. Carey P. **Nurs Clin North Am** 10(3):575–86, Sep 75

Sexual dysfunction in uremia. O'Brien KM, et al. **Proc Clin Dial Transplant Forum** 5:98–101, Nov 75

Sexual problems in patients suffering from multiple sclerosis. Lilius HG, et al. **Scand J Soc Med** 4(1):41–4, 1976

[Obesity—hysterectomy—sexuality] Wenderlein JM. **Arch Gynaekol** 219(1–4):32–3, 18 Nov 75 **(Ger)**

[Andrological evaluation following accident injuries] Vogt HJ. **Hefte Unfallheilkd** (121):522–7, 1975 **(Ger)**

[Brain injury and feminine sexuality] Janzik HH, et al. **Nervenarzt** 47(2):108–11, Feb 76 **(Ger)**

[Clinico–statistical data on the sexualtiy of the male diabetic] Notarbartolo A. **Minerva Med** 66(85):4592–8, 12 Dec 75 (Eng. Abstr.) **(Ita)**

[Psycho–socio–somatogenic mechanisms in sexual disorders] Imielinski K. **Wiad Lek** 28(22):1883–7, 15 Nov 75 (Eng. Abstr.) **(Pol)**

HISTORY

[Czechoslovak sexuology after the liberation] Hynie J. **Cas Lek Cesk** 114(24):721–3, 13 Jun 75 **(Cze)**

METABOLISM

Antiandrogens in sexual disorders: influence on cyproterone acetate on the human neuro–endocrine system. pp. 497–502. Laschet U, et al. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.**

OCCURRENCE

Frequency of sexual dysfunction in a general gynecological clinic: an epidemiological approach. Levine SB, et al. **Arch Sex Behav** 5(3):229–38, May 76

PHYSIOPATHOLOGY

Ascorbic acid in human seminal plasma in normal and pathological conditions. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):724–8, Dec 74

REHABILITATION

Cardiovascular and physiological aspects of sex. Johnson CD. **Bol Asoc Med PR** 68(6):133–6, Jun 76

SURGERY

Surgery of male sexual disorders. Pryor JP. **Br Med J** 3(5983):585–7, 6 Sep 75

THERAPY

Treatment of vaginismus by i.v. diazepam (Valium) abreaction interviews. Mikhail AR. **Acta Psychiatr Scand** 53(5):328–32, May 76

Hypnosis for sexual problems. Cohen SB. **Am J Clin Hypn** 19(1):2–3, Jul 76

Hypnosis and behavior therapy: a coordinated approach to the treatment of sexual disorders. Fabbri R Jr. **Am J Clin Hypn** 19(1):4–8, Jul 76

Profiles of couples seeking sex therapy and marital therapy. Frank E, et al. **Am J Psychiatry** 133(5):559–62, May 76

Training and accreditation for the treatment of sexual disorders. Meyer JK. **Am J Psychiatry** 133(4):389–94, Apr 76

The role of sex therapy in marial therapy. Sager CJ. **Am J Psychiatry** 133(5):555–9, May 76

Ejaculatio retardata. Conventional psychotherapy and sex therapy in a severe obsessive–compulsive disorder. Gagliardi FA. **Am J Psychother** 30(1):85–94, Jan 76

Letter: Penile petechiae. Handler HL. **Arch Dermatol** 112(1):121–2, Jan 76

Group treatment format: mixed sexual dysfunctions. Leiblum SR, et al. **Arch Sex Behav** 5(4):269–74, Jul 76

Group therapy for nonorgasmic women: two age levels. Schneidman B, et al. **Arch Sex Behav** 5(3):239–47, May 76

The treatment of marital psycho–sexual problems. Duddle CM. **Br J Psychiatry** 127:169–70, Aug 75

Three years' experience in a sexual problems clinic. Bancroft J, et al. **Br Med J** 1(6025):1575, 26 Jun 76

Letter: Sexual disorders in the male. Mason HA. **Br Med J** 3(5980):435, 16 Aug 75

Letter: Sexual problems clinic. Spencer S. **Br Med J** 2(6030):302, 31 Jul 76

Letter: Management of sexual dysfunction. Swan M, et al. **Br Med J** 2(6034):528–9, 28 Aug 76

Sex therapy: considerations in the selection of patients. Maurice WL, et al. **Can Med Assoc J** 115(4):317–20, 21 Aug 76

Letter: Conference on ethical issues in sex research and sex therapy. Morse JM, et al. **Can Med Assoc J** 115(4):308, 21 Aug 76

Effectiveness of psychological treatment of human sexual dysfunction. O'Connor JF. **Clin Obstet Gynecol** 19(2):449–64, Jun 76

Marital sex therapy. Jacobs LI. **Curr Psychiatr Ther** 15:205–12, 1975

[The treatment of anorgasmia in males] Vogt HJ. **Hautarzt** 26(11):593–7, Nov 75 (Eng. Abstr.)

The treatment of sexual problems. Bancroft JH. **Ir Med J** 68(18):465–9, 11 Oct 75

Treating sexual dysfunction in general practice. Duddle M, et al. **J R Coll Gen Pract** 26(168):514–9, Jul 76

The office management of sexual problems: brief therapy appraoaches. Robinson C, et al. **J Reprod Med** 15(4):127–44, Oct 75

The psychoanalytic treatment of sexual disorders. Bieber I. **J Sex Marital Ther** 1(1):5–15, Fall 74

The sexual information examination. Croft HA. **J Sex Marital Ther** 1(4):319–25, Summer 75

You known who and what's her name: the woman's role in sex therapy. Golden JS, et al. **J Sex Marital Ther** 2(1):6–16, Spring 76

Editorial: Sex is psychosomatic. Kaplan HS. **J Sex Marital Ther** 1(4):275–6, Summer 75

Issues and dilemmas in sexual treatment. Lassen CL. **J Sex Marital Ther** 2(1):32–9, Spring 76

Content classification system for sexual counseling: method and application. Rosen A, et al. **J Sex Marital Ther** 1(1):53–62, Fall 74

Behavioral and psychodynamic dimensions of the new sex therapy. Sollod RN. **J Sex Marital Ther** 1(4):335–40, Summer 75

Human sexuality and medical education. James B, et al. **Lancet** 2(7985):560–3, 11 Sep 76

Introduction to special series on managing common sexual problems. Croft HA. **Postgrad Med** 60(9):200, Sep 76

Physicians and sex therapy. Renshaw DC. **S Afr Med J** 50(28):1092–5, 3 Jul 76

[Sexology] Boierbale–Julien M, et al. **Encephale** 1(3):245–7, 1975 (Eng. Abstr.) **(Fre)**

[Apparently idiopathic male sexual insufficiency in 1975. II. Male idiopathic sexual insufficiency and the psychotherapist] Buvat J. **Lille Med** 20(3):205–21, Mar 75

(Fre)
[Approach to the couple in the treatment of sexual dysfunctions] Buvat J. **Lille Med** 21(4):363–8, Apr 76 (Fre)
[Sexual medicine treatment in the practice of the health-insurance physician] Conrad F. **ZFA** 52(8):369–70, 20 Mar 76 (Ger)
[Clinical sexopathology at present] Vasil'chenko GS. **Akush Ginekol (Mosk)** (2):54–7, Feb 76 (Rus)

URINE

[Excretion of sex hormones and catecholamines in patients with chronic prostatitis with disorders of copulatory function] Gorpinchenko II. **Vrach Delo** (10):58–61, Oct 75 (Eng. Abstr.) (Rus)

VETERINARY

[Anaphrodisia in gilts and sows(author's transl)] Kuiper CJ, et al. **Tijdschr Diergeneeskd** 100(15):824–35, 1 Aug 75 (Eng. Abstr.) (Dut)

SEX EDUCATION

Sexuality — knowledge and attitudes. Lief HI, et al. **Am J Nurs** 75(11):2026–9, Nov 75
Early sex education in relationship to later coital and reproductive behavior: evidence from Jamaican women. Brody EB, et al. **Am J Psychiatry** 133(8):969–72, Aug 76
A pilot sexuality training workshop for staff at an institution for the mentally retarded. Wilson RR, et al. **Am J Public Health** 66(1):77–8, Jan 76
Sex education and counseling program on a spinal cord injury service. Eisenberg MG, et al. **Arch Phys Med Rehabil** 57(3):135–40, Mar 76
Follow-up effects of a medical school course in human sexuality. Garrard J, et al. **Arch Sex Behav** 5(4):269–74, Jul 76
Formal and informal sex education as determinants of premarital sexual behavior. Spanier GB. **Arch Sex Behav** 5(1):39–67, Jan 76
Education at school about sexually transmitted diseases. Hunger KF. **Br J Vener Dis** 52(2):100–1, Apr 76
Sex education within biology classes for hospitalized disturbed adolescents. Kalma SH. **Except Child** 42(8):451–5, May 76
Sex education—a cooperative effort of parent and teacher. Kempton W. **Except Child** 41(8):531–5, May 75
Blame MD 'mismanagement' for contraceptive failure. **Fam Plann Perspect** 8(2):72–5, Mar–Apr 76
Sexual and contraceptive knowledge, attitudes and behavior of male adolescents. Finkel ML, et al. **Fam Plann Perspect** 7(6):256–60, Nov–Dec 75
Staffing patterns for voluntary sterilization programs – needs, training, and utilization. pp. 327–31. Clyman M. **In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.**
Motivation and education in voluntary sterilization programs. 2. pp. 322–6. Gillespie D. **In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.**
Knowledge and approval of vasectomy in the United States: implications for educational programs. pp. 338–45. Gillespie DG, et al. **In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.**
Motivation and education in voluntary sterilization programs. 1. pp. 314–21. Pion R. **In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.**
A perception study among rural school children regarding conception and family planning. Bali P, et al. **Indian Pediatr** 12(7):575–9, Jul 75
A group experience in sex education for the family. Rosenberg PP, et al. **Int J Group Psychother** 26(2):235–41, Apr 76
Peers as human sexuality outreach educators in the campus community. Baldwin BA, et al. **J Am Coll Health Assoc** 24(5):290–3, Jun 76
Peer counseling for sex related concerns: a case study of a service in a college medical setting. Brandenburg JB. **J Am Coll Health Assoc** 24(5):294–300, Jun 76
A comparison study of peer teaching and traditional instruction in venereal disease education. Jordheim A. **J Am Coll Health Assoc** 24(5):286–9, Jun 76
Sexual attitudes and experience: attitude and personality correlates and changes produced by a course in sexuality. Zuckerman M, et al. **J Consult Clin Psychol** 44(1):7–19, Feb 76
Nurses need formal sex education. Renshaw DC. **J Nurs Educ** 14(4):16–9, Nov 75
A study of personality change associated with the conducting of a high school unit on homosexuality. Greenberg JS. **J Sch Health** 45(7):394–8, Sep 75
Sex education background of selected students in Lousiana. Hill D. **J Sch Health** 45(8):473–5, Oct 75
Helping the community accept human sexuality content in a high school curriculum: the case of Pomona. Jenkins DM. **J Sch Health** 46(1):49–50, Jan 76
Knowledge, behavior, and attitudes of sixth-grade students toward family life education. Maxeiner BA, et al. **J Sch Health** 46(2):81–5, Feb 76
Learning about sex education from children (or, what kids want to know about sex and aren't afraid to ask. Mervis RM, et al. **J Sch Health** 46(4):229–31, Apr 76
Resolution of one's sexual self: an important first step for sexuality educators. Reed DA, et al. **J Sch Health** 46(1):31–4, Jan 76
Persistence, planning, patience, and prevention: aspects of sex education in medicine. Marcotte DB, et al. **J Sex Marital Ther** 2(1):47–52, Spring 76
Sex education for adolescents and their families. Rosenberg PP, et al. **J Sex Marital Ther** 2(1):53–67, Spring 76
Human sexuality and medical education. James B, et al. **Lancet** 2(7985):560–3, 11 Sep 76
The effect of a spaced sex education course on medical students' sexual knowledge and attitudes. Marcotte DB, et al. **Med Educ** 10(2):117–21, Mar 76
Editorial: Teaching human sexuality. **Med J Aust** 2(13):499, 27 Sep 75
An experimental brief course in sexual behaviour and counseling. Montgomery RB, et al. **Med J Aust** 2(13):527–9, 27 Sep 75
An introductory course in human sexuality for medical students. Smith MS, et al. **Med J Aust** 2(13):525–7, 27 Sep 75
Sexual education of the medical undergraduate. Wood C. **Med J Aust** 2(13):529–30, 27 Sep 75
Sexuality, sex education and the mentally retarded: one educational approach. Thurman RL, et al. **Ment Retard** 14(1):19, Feb 76
Human sexuality course in the military. Croft HA. **Milit Med** 141(2):104–8, Feb 76
Sexual health education and counseling. Mims FH. **Nurs Clin North Am** 10(3):519–28, Sep 75
Sex education for the young. Ehrman ML. **Nurs Outlook** 23(9):583–5, Sep 75
Multidisciplinary approach to sex education of spinal cord-injured patients. Evans RL, et al. **Phys Ther** 56(5):541–5, May 76
[Methodology and results of a preliminary inquiry on the degree of information of the Belgian population on contraception] Manalis-Swennen L, et al. **Acta Psychiatr Belg** 74(6):569–81, Nov 74 (Eng. Abstr.) (Fre)
[Knowledge and opinions on sexuality among young French-speaking Belgians] Rucquoy G, et al. **Acta Psychiatr Belg** 75(5):449–791, Sep 75 (Eng. Abstr.) (Fre)
[Critique of the current sex education] Kentler H. **Beitr Sexualforsch** 49:23–38, 1970 (Ger)
[Preventive medicine views on the sex education of young girls] Hagspiel G. **Fortschr Med** 94(20–21):1155–7, 15 July 76 (Ger)
[Contraceptive counseling of adolescents] Mall-Haefeli M. **Med Welt** 27(4):149–54, 23 Jan 76 (Ger)
[Human sexuality for medical students] Hoch Z, et al. **Harefuah** 89(6):262–3, 16 Sep 75 (Eng. Abstr.) (Heb)
[Sex education and psychophysical preparation for delivery in Abruzzo] Facchini D. **Minerva Ginecol** 27(11):933–4, Nov 75 (Ita)
[Sex education] Valle G, et al. **Riv Med Aeronaut Spaz** 37(3–4):301–10, Jul–Dec 74 (Ita)
[The need for birth control instruction in school. An investigation among students at different kind of schools] Haugen T. **Tidsskr Nor Laegeforen** 96(22):1143–5, 10 Aug 76 (Eng. Abstr.) (Nor)
[Clinical sexopathology at present] Vasil'chenko GS. **Akush Ginekol (Mosk)** (2):54–7, Feb 76 (Rus)
[Psychobiology of human fertility in Mexico. I. Educational aspects of the universitary campaign on family planning] García Flores RF, et al. **Ginecol Obstet Mex** 39(231):31–43, Jan 76 (Spa)

METHODS

Education and treatment in human sexuality: the training of health professionals. Report of a WHO meeting. **WHO Tech Rep Ser** (572):5–33, 1975

SEX FACTORS

Evaluation of a possible sex difference in recombination for the ABO-AK linkage. Fenger K, et al. **Am J Hum Genet** 27(6):784–8, Nov 75
Sex differences in reflex tachycardia induced by hypotensive drugs in unanesthetized rats. Buñag RD, et al. **Am J Physiol** 229(3):652–6, Sep 75
The influence of the sex of litter-mates on subsequent maternal behaviour in Rattus norvegicus. Sharpe RM. **Anim Behav** 23(3):551–9, Aug 75
Comparative muscular strength of men and women: a review of the literature. Laubach LL. **Aviat Space Environ Med** 47(5):534–42, May 76
Influence of sex and sexual hormones in the bradykinin-receptor interaction in the guinea pig ileum. Weinberg J, et al. **Biochem Pharmacol** 25(4):433–7, 15 Feb 76
Editorial: Breaking down sex barriers. **Br Med J** 1(6011):674–5, 20 Mar 76
Is there sex discrimination in health care? **Can Nurse** 71(12):15–8, Dec 75
Sex differences in the urinary catecholamines. Cuche JL, et al. **Endocr Res Commun** 2(8):549–59, 1975
The influence of age and sex on the activity ratio of yttrium-90 to strontium-90 in the rat skeleton after incorporation of strontium-90. Stevenson AF. **Health Phys** 29(2):285–90, Aug 75
Sex differences in driving performance. Hagen RE. **Hum Factors** 17(2):165–71, Apr 75
A consideration of male—female morbidity differentials. pp. 75–87. Monteiro LA. **In: Monteiro LA. Monitoring health status and medical care. Cambridge, Mass., Ballinger, 1976. WA 900 AR4 M7m 1976.**
A comparison of female and male neurotic depressives. Stein LS, et al. **J Clin Psychol** 32(1):19–21, Jan 76
Comparison in male and female rats of ACTH content and response to corticotrophin-releasing factor (CRF) of cultured adenohypophyseal cells and in vivo hypothalamic CRF content. Yasuda N, et al. **Life Sci** 18(11):1327–31, 1 Jun 76
The development of sex differences in the adrenal morphology and responsiveness in stress of rats from birth to the end of life. Senčar-Cupović I, et al. **Mech Ageing Dev** 5(1):1–9, Jan–Feb 76
Editorial: Whither he and/or she going? Lewis EP. **Nurs Outlook** 24(5):293, May 76
An interactive nonrandom-mating two-sex model whose intrinsic growth rate lies between one-sex rates. Das Gupta P. **Theor Popul Biol** 9(1):46–57, Feb 76
[Causes of death responsible for international and intertemporal variation in sex mortality differentials] Preston SH, et al. **World Health Stat Rep** 29(3):144–214, 1976 (Eng, Fre)
[A cardiovascular population study of women in Copenhagen. The Amager women study, 1973] Schnohr P. **Ugeskr Laeger** 138(3):188–92, 12 Jan 76 (Eng. Abstr.) (Dun)
[Blood pressure in Copenhagen women, aged 25–56 years. The Amager women study, 1973] Schnohr P. **Ugeskr Laeger** 138(3):192–6, 12 Jan 76 (Eng. Abstr.) (Dun)
[Are more girls than boys born in breech presentation compared with head presentation?] Schrage R. **Z Geburtshilfe Perinatol** 180(2):145–8, Apr 76 (Ger)
[Female alcoholism. A longitudinal social medical study] Retterstol N. **Tidsskr Nor Laegeforen** 95(23):1321, 20 Aug 75 (Nor)

SEX HORMONES

Hormonal cytology. Meisels A, et al. **Clin Perinatol** 1(1):53–63, Mar 74
General remarks on the sex hormones. pp. 19–51. **In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974.** (82 ref.)
Aqueous solubility of steroid hormones: an explanation for the discrepancy in the published data. Batra G. **J Pharm Pharmacol** 27(10):777–9, Oct 75
Hormonal steroids and sexual communication in primates. Michael RP. **J Steroid Biochem** 6(3–4):161–70, Mar–Apr 75 (23 ref.)
Gonadal steroids and gonadotropins in hyperthyroidism. Chopra IJ. **Med Clin North Am** 59(5):1109–21, Sep 75 (31 ref.)
[The embryonic sex hormones in the birds (author's transl)] Weniger JP. **Arch Anat Histol Embryol (Strasb)** 57(1):145–51, 1974 (Eng. Abstr.) (Fre)
[Interaction of steroid hormones with glutamate dehydrogenase] Titova GV, et al. **Biokhimiia** 41(3):487–90, Mar 76 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Epidemiological studies related to the use of hormonal agents in animal production. Coulston F, et al. **Environ Qual Saf [Suppl]** (5):238–52, 1976 (78 ref.)
Carcinogenicity studies in animals relevant to the use of anabolic agents in animal production. Rose FJ. **Environ Qual Saf [Suppl]** (5):227–37, 1976
Letter: Risks and benefits of hormonal agents in pregnancy. Kohrman AF, et al. **N Engl J Med** 294(11):614–5, 11 Mar 76
[Myocardial infarct and hormone treatment in menopause] Ostergaard E. **Ugeskr Laeger** 137(43):2528–9, 20 Oct 75 (Dan)
[Viral and hormonal induction of tumors. The problems of molecular biology in gynecologic examples] Caffier H. **Med Klin** 71(21):881–7, 21 May 76 (Ger)
[Sex hormones and related materials as anabolics in the feed: metabolism, formation of residues and human risk] Schultz G. **Tierarztl Prax** 3(4):395–409, 1975 (Ger)

ANALYSIS

Indentification and radioimmunologic estimation of sexual steroid hormones in aqueous humor and vitreous of rabbit eye. Stárka L, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(3):261–6, 26 May 76
Steroid conjugates in human seminal plasma. Purvis K, et al. **Clin Endocrinol (Oxf)** 5(3):253–61, May 76
Endocrine effects of vasectomy. Purvis K, et al. **Clin Endocrinol (Oxf)** 5(3):263–72, May 76
Concentrations of hormones in blood and milk during and after induction of parturition in beef cattle with dexamethasone and estradiol-17beta. Kesler DJ, et al. **J Anim Sci** 42(4):918–26, Apr 76

Proceedings: A new approach to radioimmunoassay methodology for steroid hormones. Seaton B, et al. **J Endocrinol** 68(3):36P–37P, Mar 76

Determination of hormonal steroid concentrations in biological extracts by high resolution mass fragmentography. Millington DS. **J Steroid Biochem** 6(3–4):239–45, Mar–Apr 75

BIOSYNTHESIS

In vitro synthesis of steroids by a feminising adrenocortical carcinoma: effect of prolactin and other protein hormones. Millington DS, et al. **Acta Endocrinol (Kbh)** 82(3):561–71, Jul 76

Circulating levels of steroids and chorionic gonadotropin during pregnancy in the rhesus monkey, with special attention to the rescue of the corpus luteum in early pregnancy. Atkinson LE, et al. **Biol Reprod** 12(3):335–45, Apr 75

Evidence for the intrinsic activity of ovine FSH on spermatogenesis, ovarian growth, steroidogenesis and ovulation in lizards. Licht P, et al. **Biol Reprod** 12(3):346–50, Apr 75

The role of cyclic AMP in gonadal steroidogenesis. Marsh JM. **Biol Reprod** 14(1):30–53, Feb 76 (198 ref.)

Biochemical–enzymatic indices of the fetal environment. An overview. Harding PG. **Clin Perinatol** 1(1):73–80, Mar 74

In vitro transfer rate of 14C from acetate–1–14C into ovarian steroids in the rat ovary during the estrous cycle and effects of LH and FSH. Kimura F, et al. **Endokrinologie** 67(2):172–83, Jun 76

The influence of mammalian and avian gonadotropins on in vitro ovarian steroid synthesis in the turtle (Chrysemys picta). Callard IP, et al. **Gen Comp Endocrinol** 28(1):2–9, Jan 76

Hormonal production in a case of gonadoblastoma. pp. 252–4. Mowat J, et al.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

Studies in steroid synthesis and secretion with the autotransplanted sheep ovary and adrenal. pp. 5–16. Baird DT, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Recent advances in the morphology, histochemistry, and biochemistry of steroid–synthesizing cellular sites in the nonmammalian vertebrate ovary. Guraya SS.
Int Rev Cytol 44:365–409, 1976 (221 ref.)

In vitro steroidogenesis in porcine corpora lutea. Weiss JR, et al. **J Anim Sci** 42(1):121–30, Jan 76

Evidence for a sex hormone in Dictyostelium discoideum. MacHac MA, et al. **J Bacteriol** 124(3):1624–5, Dec 75

Interrelationships between prostaglandins, cyclic AMP and steroids in ovulation. LeMaire WJ, et al.
J Reprod Fertil [Suppl] (22):53–74, Apr 75 (61 ref.)

[Steroids biosynthesis in the ovary] Mori T, et al.
Clin Endocrinol (Tokyo) 23(12):1171–6, Dec 75 **(Jpn)**

BLOOD

Plasma levels of unconjugated steroids in male baboons (Papio hamadryas) and rhesus monkeys (Macaca mulatta). Aso T, et al. **Acta Endocrinol (Kbh)** 82(3):644–51, Jul 76

Further studies on sex hormones in male homosexuals. Doerr P, et al. **Arch Gen Psychiatry** 33(5):611–4, May 76

Hormonal events surrounding the natural onset of puberty in female rats. Parker CR Jr, et al. **Biol Reprod** 14(3):347–53, Apr 76

Infertility in women with apparently ovulatory cycles. II. The effects of clomiphene treatment on the profiles of gonadotrophin and sex steroid hormones in peripheral plasma. Dodson KS, et al. **Br J Obstet Gynaecol** 82(8):625–33, Aug 75

Infertility in women with apparently ovulatory cycles. I. Comparison of their plasma sex steroid and gonadotrophin profiles with those in the normal cycle. Dodson KS, et al. **Br J Obstet Gynaecol** 82(8):615–24, Aug 75

Plasma sex steroid and gonadotrophin patterns in human menstrual cycles. Dodson KS, et al.
Br J Obstet Gynaecol 82(8):602–14, Aug 75

Hormonal changes and mood in the puerperium. Nott PN, et al. **Br J Psychiatry** 128:379–83, Apr 76

Hormonal assessment before and after vasectomy. Skegg DC, et al. **Br Med J** 1(6010):621–2, 13Mar 76

Plasma hormone profiles in populations at different risk for breast cancer. Hill P, et al. **Cancer Res** 36(6):1883–5, Jun 76

Plasma hormone levels in different ethnic populations of women. Hill P, et al. **Cancer Res** 36(7 PT 1):2297–301, Jul 76

Changes with age in levels of serum gonadotropins, prolactin and gonadal steroids in prepubertal male and female rats. Döhler KD, et al. **Endocrinology** 97(4):898–907, Oct 75

Proestrous hormone surges dissociated from ovulation in the estrogen–treated hamster. Greenwald GS. **Endocrinology** 97(4):878–84, Oct 75

Studies on low–dose oral contraceptives: cervical mucus and plasma hormone changes in relation to circulating D–norgestrel and 17alpha ethynyl–estradiol concentrations. Elstein M, et al. **Fertil Steril** 27(8):892–9, Aug 76

Hormone assays and the gynecologist. Mikhail G.
Fertil Steril 27(3):229–37, Mar 76

Plasma sex steroid and gonadotropin levels in control and silastic vaginal medroxyprogesterone acetate–impregnated ring cycles. Vermeulen A, et al. **Fertil Steril** 27(7):773–9, Jul 76

Appearance of the 'amphibian sex steroid binding proten' (A.SBP) during metamorphosis in female Pleurodeles waltlii serum. Martin B, et al. **Gen Comp Endocrinol** 27(4):548–52, Dec 75

A radioimmunoassay method for six steroids in plasma. pp. 251–64. Brenner PF, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Radioimmunoassay of some gonadal steroids: validity and limitations of measurements in plasma extracts. pp. 229–49. Malvano R, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Plasma adrenal and gonadal sex steroids in human pubertal development. Ducharme JR, et al.
J Clin Endocrinol Metab 42(3):468–76, Mar 76

The effects of ovarian wedge resection on circulating gonadotropin and ovarian steroid levels in patients with polycystic ovary syndrome. Judd HL, et al.
J Clin Endocrinol Metab 43(2):347–55, Aug 76

Effect of spironolactone on sex hormones in man Stripp B, et al. **J Clin Endocrinol Metab** 41(4):777–81, Oct 75

Plasma levels of luteinizing hormone, progesterone, testosterone and 5 alpha–dihydrotestesterone in male and female pigs during sexual maturation. Elsaesser F, et al. **J Endocrinol** 68(02):347–8, Feb 76

Endocrine patterns of the mare at term. Lovell JD, et al.
J Reprod Fertil [Suppl] (23):449–56, Oct 75

Oestrogens, LH, PMSG, and prolactin in serum of pregnant mares. Nett TM, et al. **J Reprod Fertil [Suppl]** (23):457–62, Oct 75

Rhythms in the secretion of gonadotropins and gonadal steroids. Baker HW, et al. **J Steroid Biochem** 6(5):793–801, May 75 (82 ref.)

The applications of steroid hormone radioimmunoassays to clinical obstetrics. Buster JE, et al. **Obstet Gynecol** 46(4):489–99, Oct 75 (71 ref.)

Temporal changes in circulating steroids during prostaglandin F2alpha induced abortion in the rat and rabbit. Lau IF, et al. **Prostaglandins** 11(5):859–69, May 76

[Proceedings: Hormonal variations before and after orchidectomy for two leydig cells' tumor (author's transl)] Leutenegger M, et al. **Ann Endocrinol (Paris)** 36(6):349–50, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Concentrations of 7 steroids in the spermatic vein in man. Comparison with peripheric concentrations (author's transl)] Scholler R, et al.
Ann Endocrinol (Paris) 36(6):353–4, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Levels of 8 steroids in plasma after normal testis stimulation by HCG (author's transl)] Scholler R, et al. **Ann Endocrinol (Paris)** 36(6):351–2, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Plasma concentrations of LH and of sex steroids during the normal menstrual cycle and during contraceptive treatment] Bayard F, et al.
J Gynecol Obstet Biol Reprod (Paris) 4(7):915–26, 1975 (Eng. Abstr.) **(Fre)**

[Liver cirrhosis and plasma hormone concentration in the male] Kley HK, et al. **Verh Dtsch Ges Inn Med** 81:1544–6, 1975 **(Ger)**

[Hormone assay and its clinical significance in obstetrics and gynecology (author's transl)] Takahashi H, et al.
Jpn J Clin Pathol 23(11):865–72, Nov 75 **(Jpn)**

IMMUNOLOGY

High specificity steroid antisera. pp. 87–112. Dean PD, et al.
In: Klopper A, ed. Plasma hormone assays in evaluation of fetal wellbeing. Edinburgh, Churchill Livingstone, 1976. QY 330 P715 1975. (69 ref.)

ISOLATION & PURIFICATION

Anti–Müllerian hormone: estimation of molecular weight by gel filtration. Picard JY, et al. **Biomedicine [Express]** 25(4):147–50, Jun 76

METABOLISM

Changes in hormone binding and responsiveness in target cells and tissues during aging. Roth GS.
Adv Exp Med Biol 61:195–208, 1975 (51 ref.)

Steroid metabolism in the gonads of a patient with testicular feminization. II. Metabolism of c19– and c18–steroids in vitro. Schindler AE. **Endokrinologie** 67(1):14–9, Mar 67

Metabolic fate of anabolic agents in treated animals and residue levels in their meat. Hoffmann B, et al.
Environ Qual Saf [Suppl] (5):181–91, 1976 (27 ref.)

Endogenous anabolic agents in farm animals. Velle W.
Environ Qual Saf [Suppl] (5):159–70, 1976 (136 ref.)

Appearance of sex hormone receptors in frog (Rana esculenta) tadpole skin during metamorphosis. Chieffi G, et al. **Experientia** 31(8):989–90, 15 Aug 75

Hormone–dependent human breast cancer in long–term tissue culture. pp. 219–31. Lippman ME.
In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.

Steroid metabolism in the perfused ovary. pp. 497–508. Dell'Acqua S, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Use of plasma proteins for the measurement of gonadal steroids. pp. 177–91. Serio M, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Gonadal steroids in body fluids. pp. 633–58. Vermeulen A, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Rhythms in plasma MAO activity, EEG, and behavior during the menstrual cycle. pp. 353–67. Klaiber EL, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Stress and cerebro–hepatic axis with special reference to steroids metabolism. pp. 77–82. Nomura J, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 1657p 1974.

Steroid pattern of human seminal plasma under normal and pathological conditions. pp. 89–106. Purvis K, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Steroid metabolism by the interstitium and seminiferous tubules of the testis in vitro: studies on the rat during development and in the adult in the absence of the boundary tissue. pp. 175–205. Lacy D.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Editorial: Hormones and target tissues. Kahn A Jr.
J Arkansas Med Soc 72(3):144–5, Aug 75

A study of the endocrine manifestations of hepatic cirrhosis. Baker HW, et al. **Q J Med** 45(177):145–78, Jan 76

Interactions between hormones and nerve tissue. McEwen BS. **Sci Am** 235(1):48–58, Jul 76

Comparative studies on the methods for the investigation of steroid metabolism in the liver (author's transl)] Okumura J. **Folia Endocrinol Jpn** 51(9):724–39, 20 Sep 75 **(Jpn)**

[Editorial: The role of sex hormones in rheumatoid arthritis] Yano R. **Ryumachi** 15(2):105–6, Jul 75 **(Jpn)**

[Hormonal function of the ovaries in women with breast hyperplasia] Arsen'eva MG, et al. **Vopr Onkol** 22(3):13–9, 1976 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Granulation tissue formation in oophorectomized rats treated with female sex hormones. II. Studies on the amount of collagen and on tensile strength. Pallin B, et al.
Acta Chir Scand 141(8):710–4, 1975

Granulation tissue formation in oophorectomized rats treated with female sex hormones. I. A histological study. Pallin B, et al. **Acta Chir Scand** 141(8):702–9, 1975

Effects of LH–RH and sex steroids on the human pituitary gonadotropin secretory function. Miura S, et al.
Acta Obstet Gynaecol Jpn 22(1):29–36, Jan 75

The effect of sex hormones on the growth of HeLa tumour nodules in male and female mice. Franks CR, et al.
Br J Cancer 31(1):100–10, Jan 75

The effect of steroid hormones on the growth pattern and RNA synthesis in human benign prostatic hyperplasia in organ culture. Lasnitzki I, et al. **Br J Cancer** 32(2):168–78, Aug 75

In vitro effects of female sex hormones upon deoxyribonucleic acid synthesis in carcinoma of the cervix. Hughes TB, et al. **Br J Obstet Gynaecol** 82(10):846, Oct 75

Alteration of growth, infectivity, and viability of Neisseria gonorrhoeae by gonadal steroids. Fitzgerald TJ, et al.
Can J Microbiol 22(2):286–94, Feb 76

Effect of pregnancy or treatment with cetain steroids on N,N–dimethylaniline demethylation and N–oxidation by rabbit liver or lung microsomes. Devereux TR, et al.
Drug Metab Dispos 3(4):254–8, Jul–Aug 75

Action of steroids on LH–RH provoked gonadotropin release. Spona J. **Endocrinol Exp (Bratisl)** 10(2):91–100, Jun 76

The effects of phenobarbital and gonadal steroids on periovulatory serum levels of luteinizing hormone and follicle–stimulating hormone in the hamster. Siegel HI, et al. **Endocrinology** 98(1):48–55, Jan 76

Sex differences in adrenocortical structure and function. III. The effects of postpubertal gonadectomy and gonadal hormone replacement on adrenal cholesterol sidechain cleavage activity and on steroids biosynthesis by rat adrenal homogenates. Malendowicz LK. **Endokrinologie** 67(1):26–35, Mar 67

Physiological data including evaluation of immuno–response in relation to anabolic effects on veal calves. Gropp J, et al. **Environ Qual Saf [Suppl]** (5):131–41, 1976 (36 ref.)

The effectiveness of anabolic agents in increasing rate of growth in farm animals; report on experiments in cattle. Heitzman RJ. **Environ Qual Saf [Suppl]** (5):89–98, 1976 (56 ref.)

Quality of the meat after the application of anabolic agents in young calves. Verbeke R, et al.
Environ Qual Saf [Suppl] (5):123–30, 1976

Is feminine differentiation of the brain hormonally determined? Shapiro BH, et al. **Experientia** 32(5):650–1, 15 May 76

The effect of steroid hormones on motility and selective migration of X- and Y-bearing human spermatozoa. Beck KJ, et al. **Fertil Steril** 27(4):407–12, Apr 76

Role of the peripheral sympathetic nervous system in modulating gonadal steroid effects on the female genital tract. pp. 268–75. Josner JM, et al.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

Influence of sex hormones on the amount of adrenergic transmitter in the rabbit oviduct. pp. 260–7. Owman C, et al.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

The primary effects of gonadal steroids on target cells. pp. 1–26. Segal SJ.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Influence of endocrine equilibrium. Response during hormonal treatment. pp. 145–61. Taubert HD.
In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.

Discussion: effect of hormones on the development of behavior. pp. 77–84.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.

Evidence for binding of estrogens in the brain. pp. 23–33. Eisenfeld AJ.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (40 ref.)

Cytological basis for permanent vaginal changes in mice treated neonatally with steroid hormones. Takasugi N. **Int Rev Cytol** 44:193–224, 1976 (75 ref.)

Bovine serum LH, GH and prolactin following chronic implantation of ovarian steroids and subsequent ovariectomy. Beck TW, et al. **J Anim Sci** 42(2):461–8, Feb 76

Serum LH concentration following castration, steroid hormone and gonadotropin releasing hormone treatment in the male bovine. McCarthy MS, et al. **J Anim Sci** 43(1):151–8, Jul 76

Proceedings: Effect of sex steroid hormones on the release of luteinizing hormone releasing factor into rat pituitary stalk blood by electrical stimulation of the medial preoptic area. Chiappa SA, et al. **J Endocrinol** 67(2):37P–38P, Nov 75

Proceedings: Studies on the positive feedback effects of sex steroids on luteinizing hormone secretion in the hen. Wilson SC, et al. **J Endocrinol** 68(3):42P–43P, Mar 76

Sex steroids and epidermal glands in two species of gekkonine lizards. Chiu KW, et al. **J Morphol** 147(1):9–22, Sep 75

Photoperiodic and gonadal steroid regulation of pineal hydroxyindole-O-methyl transferase and N-acetyl transferase in Coturnix quail. Preslock JP. **Life Sci** 17(8):1227–32, 15 Oct 75

A histological study of the effect of cortisol and some six steroids on the immune response to sheep erythrocytes by the mouse. Hellig HR, et al. **Onderstepoort J Vet Res** 42(1):53–62, Mar 75

The mode of action of steroid hormones: Some recent findings. Baulieu EE. **Pathobiol Annu** 5:105–32, 1975 (67 ref.)

Psychotropic action of sex hormones. Itil TM. **Psychopharmacol Bull** 11(4):64, Oct 75

Avoidance and poke behavior in rats after gonadectomy and hormanal treatment. Manshio DT, et al. **Res Commun Chem Pathol Pharmacol** 12(3):473–80, Nov 75

The interrelationships of hormones/steroids and ultrashort-acting barbiturates. Short CE, et al. **Vet Med Small Anim Clin** 71(6):746–53, Jun 76

[Proceedings: Sensibility of hypothalamic areas to gonadal steroids in the male rat (author's transl)] Danguy A, et al. **Ann Endocrinol (Paris)** 36(6):375–6, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Influence of genital hormones on guinea pig thymus gland cytology] Bimes C, et al. **C R Soc Biol (Paris)** 169(1):233–8, 1975 (Eng. Abstr.) **(Fre)**

[Effect of the steroid sex hormones on the LH and FSH responses to LHRH in the normal subject] Lemarchand-Béraud T, et al. **Pathol Biol (Paris)** 23(10):917–22, Dec 75 (Eng. Abstr.) **(Fre)**

[Relations between the thymus and sex hormones in the guinea pig] Bimes C, et al. **Zentralbl Veterinaermed [C]** 4(2):162–71, Jun 75 (Eng. Abstr.) **(Fre)**

[State of the uterine and vaginal epithelium and content of sex chromatin in rats after administration of sex hormones] Mudra NP. **Akush Ginekol (Mosk)** (10):20–2, Oct 75 (Eng. Abstr.) **(Rus)**

[Letter: Changes in the fluorescence of microsomal anilino naphtalenesulfonate in the presence of steroid hormones] Sergeev PV, et al. **Biofizika** 20(4):736–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of steroid hormones on the rate of NADPH and NADH oxidation by rat liver microsomes] Sergeev PV, et al. **Farmakol Toksikol** 38(5):600–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The influence of sex hormones on the bioelectric activity of the cortex and hypothalamo-reticulo-limbic structures of the brain] Malyshenko NM. **Fiziol Zh SSSR** 61(4):488–501, Apr 75 (Eng. Abstr.) **(Rus)**

[Action of the sexual hormones on the endogenous norepinephrine of the central nervous system (author's transl)] Fernández BE, et al. **Rev Esp Fisiol** 31(4):305–7, Dec 75 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Review article: mechanism of action of female sex steroids. Jänne O, et al. **Acta Obstet Gynecol Scand [Suppl]** (51):29–45, 1976

Hormone profiles in hormone-dependent cancers. Zumoff B, et al. **Cancer Res** 35(11 Pt. 2):3365–73, Nov 75 (81 ref.)

Plasma levels and secretion rate of steroids with anabolic activity in man. Vermeulen A. **Environ Qual Saf [Suppl]** (5):171–80, 1976 (31 ref.)

Effects of oophorectomy and sexual hormones on norepinephrine and epinephrine urinary excretion. Domínguez AE, et al. **Experientia** 31(9):1103–4, 15 SEP 75

Control of vitellogenesis and of growth of female accessory sex organs by the dorsal body hormone (DBH) in the hermaphroditic freshwater snail Lymnaea stagnalis. Geraerts WP, et al. **Gen Comp Endocrinol** 27(4):450–64, Dec 75

The neuroanatomy of sex hormone receptors in the vertebrate brain. pp. 30–45. Pfaff DW.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

Gonadal steroids and gonadotrophin feedback regulation of mammalian sexual maturation. pp. 543–64. Gupta D.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973. (59 ref.)

Mechanism of action of gonadal steriods. Role of the cyclic AMP-adenyl cyclase system. pp. 659–703. Singhal RL.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973. (88 ref.)

Circatrigintan secondary rhythms related to hormonal changes in the menstrual cycle: general considerations. pp. 241–58. Reinberg A, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972. (62 ref.)

Modulation of responsiveness of the hypothalamic unit activity to LH-RH, LH and FSH by ovarian hormones. pp. 153–60. Kawakami M, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Neural and hormonal determinants of sex differences in food intake and body weight. pp. 257–71. Nance DM, et al.
In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.

Sexual hormones and prolactin cells in rat, dog, monkey and man. pp. 65–9. El Etreby MF, et al.
In: Pasteels JL, et al., ed. Human prolactin. Amsterdam, Excerpta Medica, 1973. W3 EX89 n.308 1973. (29 ref.)

Interactions of steroid sex hormones with brain tissue: studies of uptake and physiological effects. pp. 5–22. Pfaff DW.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

Steroid receptors and steroid hormone action. pp. 335–43. Lebeau MC, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

The hormonal basis of cooperative nest-building. pp. 91–109. Erickson CJ, et al.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974.

Target cells for gonadal steroids in the brain: studies on steroid-sensitive mechanisms of behaviour. pp. 123–37. Hutchison JB.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974. (39 ref.) (Eng. Abstr.)

The inhibition of dimethylnitrosamine-induced renal tumorigenesis in NZO/Bl mice by orchiectomy. Noronha RF. **Invest Urol** 13(2):136–41, Sep 75

The hormonal activity of the postmenopausal ovary. Vermeulen A. **J Clin Endocrinol Metab** 42(2):247–53, Feb 76

Effects of perinatal gonadal secretions on parameters of receptivity and weight gain in hamsters. Gerall AA, et al. **J Comp Physiol Psychol** 89(6):580–9, Aug 75

Effects on antisera against gonadal steroids on ovulation in the hen Gallus domesticus. Furr BJ, et al. **J Endocrinol** 66(2):303–4, Aug 75

Proceedings: Nucleotides and hormones as modulators of cell proliferation. Perris AD, et al. **J Endocrinol** 68(3):37P–38P, Mar 76

Response of a pregnancy-dependent mouse mammary tumor to hormones. Matsuzawa A, et al. **J Natl Cancer Inst** 55(2):447–53, Aug 75

Proceedings: Variations in the concentrations of monamines and their metabolites in eight regions of rat brain during the oestrous cycle: a basis for interactions between hormones and psychotropic drugs. Fludder JM, et al. **J Pharm Pharmacol** 27 Suppl?–2:39P, Dec 75

Steroid receptors and hormone receptivity. New approaches in pharmacology and therapeutics. Baulieu EE. **JAMA** 234(4):404–9, 27 Oct 75

Proceedings: Experimental studies on sex difference in stroke-prone SHR (SHRSP): hypoxic vulnerability and aortic brittleness. Sasagawa S, et al. **Jpn Heart J** 17(3):399–400, May 76

Mechanism of action of the sex steroid hormones (first of three parts). Chan L, et al. **N Engl J Med** 294(24):1322–8, 10 Jun 76 (121 ref.)

Mechanism of action of the sex steroid hormones (second of three parts). Chan L, et al. **N Engl J Med** 294(25):1372–81, 17 Jun 76 (105 ref.)

Mechanism of action of the sex steroid hormones (third of three parts). Chan L, et al. **N Engl J Med** 294(26):1430–7, 24 Jun 76

Accessory reproductive organs in mammals: control of cell and tissue transport by sex hormones. Spaziani E. **Pharmacol Rev** 27(2):207–86, Jun 75 (566 ref.)

Effects of hormones and lactation on gerbils that seldom scent mark spontaneously. Yahr P. **Physiol Behav** 16(4):395–9, Apr 76

Hormonal mechanisms in the onset of puberty. Swerdloff RS, et al. **Postgrad Med J** 51(594):200–8, Apr 75

The effects of chronic cannabis treatment upon brain 5-hydroxytryptamine, plasma corticosterone and aggressive behavior in female rats with different hormonal status. Neto JP, et al. **Psychopharmacologia** 42(2):195–200, 28 May 75

Menstrual cycle and ovarian hormone effects on plasma and platelet monoamine oxidase (MAO) and plasma dopamine-beta-hydroxylase (DBH) activities in the rhesus monkey. Redmond DE Jr, et al. **Psychosom Med** 37(5):417–28, Sep–Oct 75

Psychobiology of reptilian reproduction. Crews D. **Science** 189(4208):1059–65, 26 Sep 75

Effects of sex hormones on development of urinary bladder tumours in rats induced by N-butyl-N-(4-hydroxybutyl) nitrosamine. Okajima E, et al. **Urol Res** 3(2):73–9, 8 Aug 75

[Effect of prostaglandin F2alpha on the isolated rat uterus as dependent on the hormonal state and adrenergic mechanisms] Borisov I, et al. **Akush Ginekol (Sofiia)** 14(4):245–51, 1975 (Eng. Abstr.) **(Bul)**

[The influence of hormones on headaches in women and the associated endometrial patterns (author's transl)] Grant EC, et al. **Munch Med Wochenschr** 117(38):1523–4, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Boy or girl? Significance of hormones in the fixation of sex] Neumann F. **Pharm Unserer Zeit** 4(4):95–107, Jul 75 **(Ger)**

[Sex hormone reception in the human endometrium in normal and pathological pregnancy] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 22(2):36–9, 1976 (Eng. Abstr.) **(Rus)**

[Role of hormonal and seasonal factors in the effect of vitamin E on cholinesterase activity in the nervous system] Teplyĭ DL, et al. **Vopr Pitan** (1):27–31, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**

SECRETION

Pulsatile release of LH and secretion of ovarian steroids in sheep during the luteal phase of the estrous cycle. Baird DT, et al. **Endocrinology** 98(6):1490–6, Jun 76

Hormone assays in functioning tumours. pp. 232–7. Aakvaag A.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

Ovarian and adrenal steroid production in the postmenopausal woman. Greenblatt RB, et al. **Obstet Gynecol** 47(4):383–7, Apr 76

THERAPEUTIC USE

[Steroïedhormone in kleindierpraktyk (author's transl)] le Roux PH. **J S Afr Vet Assoc** 57(2):125–9, Jun 76 **(Afr)**

[Effects of hormone therapy of breast cancer on certain biological parameters] pp. 181–92. Namer M, et al.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975. (Eng. Abstr.) **(Fre)**

[Biologic bases of the treatment of diffuse benign breast diseases] Van Bogaert LJ. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):567–75, Jun 76 (61 ref.) (Eng. Abstr.) **(Fre)**

[Effect of sex hormones in prolonging survival of skin homografts in rabbits] Hampel N, et al. **Harefuah** 89(7):293–5, 1 Oct 75 (Eng. Abstr.) **(Heb)**

[Treatment of climacteric and dyshormonal cardiopathy with sex hormones of prolonged action and with their synthetic analogs] Voĭtik VF, et al. **Sov Med** (6):90–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of hormonal preparations in infertility in cows] Cheremisinov GA, et al. **Veterinariia** (4):76–8, Apr 75 **(Rus)**

TOXICITY

Ulcerogenic effect of steroids in 'shay' operated toads Bufo melanostictus Schneider. Sheriff EM, et al. **Indian J Exp Biol** 13(4):333–6, Jul 75

[Specific toxicological considerations on anabolic agents; transmitted toxicity] Ferrando R, et al. **Environ Qual Saf [Suppl]** (5):219–26, 1976 **(Fre)**

URINE

Influence of aging upon the urinary hormone excretion in the male. Sköldefors H, et al.
Acta Obstet Gynecol Scand 55(2):119–23, 1976

[Gas chromatography of urine steroids in differential diagnosis of some endocrine diseases (author's transl)] Gregorová I, et al. **Sb Lek** 77(9):266–70, Sep 75 (Eng. Abstr.) **(Cze)**

[Potency, fertility and sex hormones in young male epileptics] Christiansen P, et al. **Ugeskr Laeger** 137(41):2402–5, 6 Oct 75 (Eng. Abstr.) **(Dan)**

SEX MATURATION

Evidence for the adrenal source of androgens in precocious adrenarche. Korth–Schutz S, et al.
Acta Endocrinol (Kbh) 82(2):342–52, Jun 76

Proceedings: The development of sexuality in adolescence. Hoffmeyer H. **Acta Paediatr Scand [Suppl]** (256):47–52, 1975

The somatic development of children in a swedish urban community. Karlberg P, et al.
Acta Paediatr Scand [Suppl] (258):1–148, 1976

Proceedings: Human figure drawings in adolescence. Shenker IR. **Acta Paediatr Scand [Suppl]** (256):34–5, 1975

VII. graphic analysis of biological maturation by means of maturograms. Taranger J, et al.
Acta Paediatr Scand [Suppl] (258):136–46, 1976

VI. Somatic pubertal development. Taranger J, et al.
Acta Paediatr Scand [Suppl] (258):121–35, 1976

II. evaluation of biological maturation by means of maturity criteria. Taranger J. **Acta Paediatr Scand [Suppl]** (258):77–82, 1976

Puberal status and sex differences: activity and maze behavior in rats. Krasnoff A, et al. **Dev Psychobiol** 9(3):261–9, May 76

125I–LH binding to rat testes at various ages and posthypophysectomy. Thanki KH, et al.
Endocr Res Commun 3(1):49–62, 1976

Changes in uptake of 3H–progesterone by female rat brain and pituitary from birth to sexual maturity. Presl J, et al.
Endocrinol Exp (Bratisl) 9(1):51–8, Jan 75

Correlation between sexual maturation and induction of persistent estrus by continuous illumination. Takeo Y, et al. **Endocrinol Jpn** 22(5):453–6, Oct 75

Effect of sexual maturation and androgens on prostaglandin levels in tissues of the male reproductive system in mice. Badr FM. **Endocrinology** 98(6):1523–7, Jun 76

Sequential patterns of circulating luteinizing hormone and follicle–stimulating hormone in female sheep from early postnatal life through the first estrous cycles. Foster DL, et al. **Endocrinology** 97(4):985–94, Oct 75

Steroidogenesis in rat leydig cells: changes in activity of 5–ane and 5–ene 3beta–hydroxysteroid dehydrogenases during sexual maturation. Wiebe JP. **Endocrinology** 98(2):505–13, Feb 76

Developmental patterns of FSH and LH in female rats deprived of light before puberty. Cons JM, et al.
Environ Physiol Biochem 5(6):355–60, 1975

The plasma gonadotropin profile during sexual maturation in a variety of salmonid fishes. Crim LW, et al.
Gen Comp Endocrinol 27(1):62–70, Sep 75

Blood glucose levels in intact and hypophysectomized river lampreys (Lampetra fluviatilis L) treated with insulin, 'stress' or glucose, before and during the period of sexual maturation. Larsen LO. **Gen Comp Endocrinol** 29(1) May 76

Gonadal steroids and gonadotrophin feedback regulation of mammalian sexual maturation. pp. 543–64. Gupta D.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973. (59 ref.)

On 'critical periods' during the post–natal development of the rat. pp. 357–75. Brown–Grant K.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Mechanisms which control puberty in males. pp 371–6. Motta M, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Some aspects of adolescent growth and maturation. pp. 33–56. Roche AF.
In: McKigney JI, Munro HN, ed. Nutrient requirements in adolescence. Cambridge, Mass., MIT Press, 1976. WS 115 N974 1973. (30 ref.)

Possible factors involved in initiation of sexual maturation in river lampreys (Lampetra fluviatilis). pp 156–7. Larsen LO.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

Ontogenetic aspects of sexual dimorphism and the primary immune response to sheep erythrocytes in hamsters from prepuberty through senescence. Blazkovec AA, et al.
Int Arch Allergy Appl Immunol 50(1):55–67, 1976

Plasma levels of luteinizing hormone, progesterone, testosterone and 5 alpha–dihydrotestesterone in male and female pigs during sexual maturation. Elsaesser F, et al.
J Endocrinol 68(02):347–8, Feb 76

Plasma follicle–stimulating hormone during photoperiodically induced sexual maturation in male Japanese quail. Follett BK. **J Endocrinol** 69(1):117–26, Apr 76

Levels of luteinizing hormone, follicle–stimulating hormone, testosterone and dihydrotestosterone in the circulation of sexually maturing intact male rats and after orchidectomy and experimental bilateral cryptorchidism. Gupta D, et al.
J Endocrinol 66(2):183–93, Aug 75

Corpus allatum activity in vitro during ovarian maturation in the desert locust, Schistocerca gregaria. Tobe SS, et al.
J Exp Biol 62(3):611–27, Jun 75

Influence of stimuli from populations of Peromyscus leucopus on maturation of young. Rogers JG Jr, et al.
J Mammal 57(2):320–30, May 76

The relationship of serum alkaline phosphatase concentrations to sex maturity ratings in adolescents. Bennett DL, et al. **J Pediatr** 88(4 Pt. 1):633–6, Apr 76

Cushing syndrome, sexual precocity, and polyostotic fibrous dysplasia (Albright syndrome) in infancy. Danon M, et al.
J Pediatr 87(6 Pt 1):917–21, Dec 75

Growth hormone excess and sexual precocity in polyostotic fibrous dysplasia (McCune–Albright syndrome): evidence for abnormal hypothalamic function. Lightner ES, et al.
J Pediatr 87(6 Pt 1):922–7, Dec 75

Sexual maturation in subjects with sickle cell anemia: studies of serum gonadotropin concentration, height, weight, and skeletal age. Olambiwonnu NO, et al. **J Pediatr** 87(3):459–64, Sep 75

Sexual maturation in subjects with sickle cell anemia: studies of serum gonadotropin concentration, height, weight, and skeletal age. Olambiwonnu NO, et al. **J Pediatr** 87(3):459–64, Sep 75

Effect of size and sex ration of litter on the sexual maturation of female mice. Drickamer LC. **J Reprod Fertil** 46(2):369–74, Mar 76

The influence of photoperiod on growth and sexual function in male and female collared lemmings (Dicrostonyx groenlandicus). Hasler JF, et al. **J Reprod Fertil** 46(2):323–9, Mar 76

Acceleration of sexual maturation in female rats by male stimulation. Vandenbergh JG. **J Reprod Fertil** 46(2):451–3, Mar 76

In vitro metabolism of testosterone in the rat brain during sexual maturation–III. Studies of the formation of main androstane–diols and androstene–diols. Genot A, et al.
J Steroid Biochem 6(8):1247–52, Aug 75

Sex steroid hormones during multiphase pubertal developments. Gupta D, et al. **J Steroid Biochem** 6(6):859–68, Jun 75

The role of testicular sensitivity to gonadotropins in sexual maturation of the male rat. Odell WD, et al.
J Steroid Biochem 6(6):853–7, Jun 75

Physical growth and development during puberty. Barnes HV. **Med Clin North Am** 59(6):1305–17, Nov 75

The problem of delayed puberty. Barnes HV.
Med Clin North Am 59(6):1337–47, Nov 75

Changes in 5alpha– dihydrotestosterone binding to epididymal cytosol during sexual maturation in rabbits: correlation with morphological changes in the testis and epididymis. Danzo BJ, et al. **Mol Cell Endocrinol** 3(3):203–20, Sep 75

Hormonal mechanisms in the onset of puberty. Swerdloff RS, et al. **Postgrad Med J** 51(594):200–8, Apr 75

Sexual maturation and productivity of Japanese quail fed graded concentrations of mercuric chloride. Hill EF, et al. **Poult Sci** 55(4):1449–59, Jul 76

Effect of photoperiod upon age and maintenance of sexual development in female Coturnix coturnix japonica. Stein GS, et al. **Poult Sci** 55(4):1214–8, Jul 76

Etiologies of sexual maturation: a model system based on the sexually maturing rat. Odell WD, et al.
Recent Prog Horm Res 32:245–88, 1976

The development of puberty, the sexual début and sexual function in hypospadiacs. Avellán L.
Scand J Plast Reconstr Surg 10(1):29–44, 1976

[Histology and cytology of tergal gland of Leucophaea maderea and its development during sexual maturation of the male] Porcheron P.
Arch Anat Microsc Morphol Exp 64(2):157–81, Apr–Jun 75 (Eng. Abstr.) **(Fre)**

[Development of gonads transplanted homoplastically in limbs of sexually immature axolotls] Lazard L.
C R Acad Sci [D] (Paris) 282(19):1745–7, 17 May 76 (Eng. Abstr.) **(Fre)**

[Gonadotropin secreting cells of the pituitary gland of the Atlantic salmon: unity or duality?] Olivereau M.
Gen Comp Endocrinol 28(1):82–95, Jan 76 (Eng. Abstr.) **(Fre)**

[Influence of sexual maturation on cardiac activity and reactivity of Calliphora vomitoria. I. — Cardiac activity (author's transl)] Queinnec Y, et al. **J Physiol (Paris)** 70(4):457–66, 1975 (Eng. Abstr.) **(Fre)**

[Retarded puberty] Bricaire H. **Lille Med** 20 spec no:300–6, 1975 **(Fre)**

[Various sexuality problems of juveniles] Hesse PG.
Aerztl Jugendkd 66(4):337–43, Nov 75 **(Ger)**

[The influence of the retina on the maturation of the testicles: an experimental study in rabbits (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):95–100, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Aspects preceding sexual maturity from the viewpoint of a gynecologist] Loch EG. **Med Welt** 27(4):155–7, 23 Jan 76 **(Ger)**

[Cytohormonal characteristics of ovarian function in girls with delayed sex maturation] Panova LP.
Akush Ginekol (Mosk) (6):66–7, Jun 75 **(Rus)**

[Growth and hormonal conditions of maturation of sables] Baevskiĭ IuB, et al. **Dokl Akad Nauk SSSR** 226(3):729–32, 21 Jan 76 **(Rus)**

[Genetic analysis of the rate of sexual maturation in female mice] Shiuler L, et al. **Genetika** 12(4):41–6, 1976 (Eng. Abstr.) **(Rus)**

[Outcome of osteoarticular tuberculosis in children treated with corticosteroid hormones and their physical and sexual development] Pikuleva IuV. **Ortop Travmatol Protez** (9):51–4, Sep 75 (Eng. Abstr.) **(Rus)**

[The physical and sexual development of children and adolescents with diabetes mellitus] Zhurova MV.
Probl Endokrinol (Mosk) 22(1):6–9, Jan–Feb 76 **(Rus)**

[Physical and sexual development and functional activity of the gonads in healthy boys] Leverde TV, et al.
Vopr Okhr Materin Det 20(7):36–40, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of diabetes mellitus on sexual development of girls] Lobanova LA, et al. **Vopr Okhr Materin Det** 19(2):22–4, Feb 74 (Eng. Abstr.) **(Rus)**

[Relationship between the processes of general growth and sex maturation of girls at different stages of puberty] Mel'nikova MM. **Vopr Okhr Materin Det** 20(11):72–6, Nov 75 (Eng. Abstr.) **(Rus)**

[Determination of the biological age and evaluation of the physical development of rural students by the degree of their sexual maturity] Feshchuk NM.
Pediatr Akush Ginekol (4):30, Jul–Aug 75 **(Ukr)**

DRUG EFFECTS

Delay in sexual maturation of rats caused by synthetic LH–releasing hormone: enhancement of steroid delta 4–5 alpha–hydrogenase in testes. Yanaihara T, et al.
Biol Reprod 12(4):491–7, May 75

Initiation of precocious sexual maturation in the immature rat treated with dehydroepiandrosterone. Knudsen JF, et al. **Endocrinology** 97(2):458–68, Aug 75

Chronic treatment of immature male rats with synthetic LH–RH. Garcia–Hjarles MA, et al. **Experientia** 31(10):1235–7, 15 Oct 75

Effect of gonadotropins and steroids on the maturation of the female reproductive function. pp 181–4. Ying SY, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

Serum gonadotrophins and follicular development in immature rats after early androgen administration. Utilenbroek J TH, et al. **J Endocrinol** 68(3):461–8, Mar 76

Effects of progesterone and synthetic luteinizing hormone releasing hormone on the release of luteinizing hormone during sexual maturation in the hen (Gallus domesticus). Wilson SC, et al. **J Endocrinol** 67(3):359–69, Dec 75

Cannabis demasculinizes rats but is not estrogenic. Okey AB, et al. **Life Sci** 17(7):1113–7, 10 Oct 75

[Hormonal regulation of sexual maturation in female rats] Neumann HO. **Arch Gynaekol** 219(1–4):565–6, 18 Nov 75 **(Ger)**

[Influence of neonatally administered gonadotropin on the sexual function of adult rats] Götz F, et al.
Endokrinologie 65(1):2–6, Feb 75 (Eng. Abstr.) **(Ger)**

[Stimulation of ovarian function in infantile rats with testosterone alone or in combination with chorionic gonadotropin or clomiphene citrate] Hohlweg W, et al.
Endokrinologie 67(2):240–3, Jun 76 (Eng. Abstr.) **(Ger)**

SEX OFFENSES

see related
SEX DEVIATION

Forensic psychiatry: profiles of two types of sex offenders. Henn FA, et al. **Am J Psychiatry** 133(6):694–6, Jun 76

The dangerous offender. Tennent TG. **Br J Psychiatry** Spec No 9:308–15, 1975 (59 ref.)

Use of depo–provera in the treatment of aggressive sexual offenders: preliminary report of three cases. Barry DJ, et al. **Bull Am Acad Psychiatry Law** 3(3):179–84, 1975

An integrated treatment program for sexual offenders. Marshall WL, et al. **Can Psychiatr Assoc J** 20(2):133–8, Mar 75

Sexual molestation of children. The last frontier in child abuse. Sgroi SM. **Child Today** 4(3):18–21, 44, May–Jun 75

A man with presumptive Y/Y translocation, observed in a forensic psychiatric department. Wahlström J, et al.
Clin Genet 10(2NA–NA–760903–760909):82–8, Aug 76

Deviance and criminality: the case of voyeur in a peeper's paradise. Kutchinsky B. **Dis Nerv Syst** 37(3):145–51, Mar 76

Sexual violence. Usher A. **Forensic Sci** 5(3):243–55, Jun 75

The sexually abused. pp. 239–263. Burgess AW, et al.
In: Burgess AW, Lazare A, ed. Community mental health: target populations. Englewood Cliffs, N.J., Prentice–Hall, 1976. WM 30 B955c 1976.

Combined antiandrogenic and counseling program for treatment of 46, XY and 47, XYY sex offenders. pp. 105–20. Money J, et al.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Antiandrogen therapy of sex offenders. pp. 121–4. Rose RM.
In: Sachar EJ, ed. Hormones, behavior, and

psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Police enquiries in sexual offences. Still A. **J Forensic Sci Soc** 15(3):183–8, Jul 75

The rôle of the forensic biologist in cases of sexual assault. Willott GM. **J Forensic Sci Soc** 15(4):269–76, Oct 75

Letter: Sexual abuse and herpetic genital infection in children. Jaffe AC. **J Pediatr** 89(2):338, Aug 76

Personality differences among child molesters. McCreary CP. **J Pers Assess** 39(6):591–3, Dec 75

The medical examination in sexual offences. Paul DM. **Med Sci Law** 15(3):154–62, Jul 75

Letter to the editor: The medical examination in sexual offences. Pole KF. **Med Sci Law** 16(1):73–4, Jan 76

Sexual trauma of children and adolescents. Burgess AW, et al. **Nurs Clin North Am** 10(3):551–63, Sep 75

Forensic gynaecology. Huntington K. **Practitioner** 216(1295):519–28, May 76

Cytogenetic and dermatoglyphic studies in sexual offenders, violent criminals, and aggressively behaved temporal lobe epileptics. Razavi L. **Proc Am Psychopathol Assoc** (63):75–94, 1975

The sexually exploited child. Weeks RB. **South Med J** 69(7):848–52, Jul 76

SEX PRESELECTION see under **GENETIC INTERVENTION**

SEX RATIO

Sex ratio in offspring of pilots: a contribution to stress research. Goerres HP, et al. **Aviat Space Environ Med** 47(8):889–92, Aug 76

Effect of adjustment for sex composition in the measurement of fertility on intrinsic rates. Mitra S. **Demography** 13(2):251–7, May 76

The distributions of the combinations of the sexes in mammalian litters. James WH. **Genet Res** 26(1):45–53, Aug 75

Evidence for autosomal meiotic drive in the butterfly Danaus chrysippus L. Smith DA. **Heredity (Lond)** 36(1):139–42, Feb 76

Hepatitis B surface antigen (Australia antigen) in parents and sex ratio of offspring in a Greek population. Hesser JE, et al. **Hum Biol** 47(4):415–25, Dec 75

Hepatitis B surface antigen, fertility and sex ratio: implications for health planning. Hesser JE, et al. **Hum Biol** 48(1):73–81, Feb 76

Maternal ABO groups and the sex ratio of live births. Plank SJ, et al. **Hum Hered** 25(3):226–33, 1975

Hepatitis B surface antigen, fertility and sex ratio: implications for health planning. pp. 73–81. Hesser JE, et al.
In: Kaplan BA, ed. Anthropological studies of human fertility. Detroit, Wayne State Univ Press, 1976. GN 241 S989a 1975.

Sex-ratio and Indian birth registration data. Goon AM. **Indian J Public Health** 19(1):34–7, Jan–Mar 75

A multivariate analysis of the relationship between parental age and birth order and the human secondary sex ratio. Garfinkel J, et al. **J Biosoc Sci** 8(2):113–21, Apr 76

Sex sequences of births in India. Srivastava ML, et al. **J Biosoc Sci** 7(3):233–41, Jul 75

Sex ratio in amelogenesis imperfecta. Simm W, et al. **J Dent Res** 55(1):171, Jan–Feb 76

Effect of size and sex ration of litter on the sexual maturation of female mice. Drickamer LC. **J Reprod Fertil** 46(2):369–74, Mar 76

Sex ratio in the progeny of mothers with toxemia of pregnancy. Juberg RC, et al. **J Reprod Med** 16(6):299–302, Jun 76

On the adjustment of the sex ratio and the gregarious behavior of animal populations. Cannings C, et al. **J Theor Biol** 55(1):115–36, Nov 75

Immunogenetic factors in preeclampsia and eclampsia. Erythrocyte, histocompatibility, and Y-dependent antigens. Scott JR, et al. **JAMA** 235(4):402–4, 26 Jan 76

Letter: Birth control and genetic changes in Chile. Cruz-Coke R. **Lancet** 1(7959):591–2, 13 Mar 76

Altered sex ratio in fetal alcohol syndrome. Qazi QH, et al. **Lancet** 2(7975):42, 3 Jul 76

Gender of offspring after oral contraceptive use. Rothman KJ, et al. **Milbank Mem Fund Q** 295(16):859–61, 14 Oct 76

Letter Coital rate and sex of offspring. James WH. **N Engl J Med** 294(6):343, 5 Feb 76

Gender of offspring after oral-contraceptive use. Rothman KJ, et al. **N Engl J Med** 295(16):859–61, 14 Oct 76

Counter-intuitive property of effective population size. Crozier RH. **Nature** 262(5567):384, 29 Jul 76

The changing sex ratio of the navajo tribe. Kunitz SJ, et al. **Soc Biol** 23(1):33–44, Spring 76

The transitional effect on the sex ratio at birth of a sex predetermination program. Walter SD. **Soc Biol** 21(4):340–52, Winter 74

Human sex ratio as a function of the timing of insemination within the menstrual cycle: a review. Whelan EM. **Soc Biol** 21(4):379–84, Winter 74

Type and time of insemination within the menstrual cycle and the human sex ratio at birth. Guerrero R. **Stud Fam Plann** 6(10):367–71, Oct 75

Preferences for sex of children in Thailand: a comparison of husbands' and wives' attitudes. Knodel J, et al. **Stud Fam Plann** 7(5):137–43, May 76

Population genetics of modifiers of meiotic drive: IV. On the evolution of sex-ratio distortion. Thomson GJ, et al. **Theor Popul Biol** 8(2):202–11, Oct 75

[Oestradiol does not modify the proportion between male and female S. mansoni worms in experimental infestation of the golden female hamster (author's transl)] Combescot C, et al. **Ann Parasitol Hum Comp** 50(5):629–33, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Sex ratio and maternal age in trisomy 18] Le Marec B, et al. **J Genet Hum** 23 SUPPL:119–20, Oct 75 **(Fre)**

[Letter: Excess of male conceptuses. The overmortality of male embryos: myth or reality?] Boué A. **Nouv Presse Med** 5(20):1307, 15 May 76 **(Fre)**

[Sex ratios in mouse embryos during the postimplantation period of development] Udalova LD. **Biull Eksp Biol Med** 81(2):234–5, Feb 76 (Eng. Abstr.) **(Rus)**

SEX REVERSAL, GONADAL

Intersex or sex reversal amongst plant parasitic nematodes. Roy TK, et al. **Acta Morphol Neerl Scand** 13(3):213–8, Nov 75

A law concerning sex reassignment of transsexuals in Sweden. Walinder J, et al. **Arch Sex Behav** 5(3):255–8, May 76

SEXUAL ABSTINENCE see under **SEX BEHAVIOR**

SF 837 see under **ANTIBIOTICS**

SGOT see **ASPARTATE AMINOTRANSFERASE**

SGPT see **ALANINE AMINOTRANSFERASE**

SHAME see under **GUILT**

SHARKS

Effects of drugs and nerve stimulation on the spleen and arteries of two species of dogfish, Scyliorhinus canicula and Squalus acanthias. Nilsson S, et al. **Acta Physiol Scand** 95(3):219–30, NOV 75

A histological, chemical and x-ray diffraction study on contemporary (Carcharias glaucus) and fossilized (Macrota odontaspis) shark teeth. Moller IJ, et al. **Arch Oral Biol** 20(12):797–802, Dec 75

Haemoglobins of the shark, Heterodontus portusjacksoni II. Amino acid sequence of the alpha-chain. Nash AR, et al. **Aust J Biol Sci** 29(1–2):73–97, Mar 76

Hearing thresholds of the horn shark, Heterodontus francisci. Kelly JC, et al. **J Acoust Soc Am** 58(4):905–9, Oct 75

A case report of an epidermal papilloma in Mustelus canis. Wolke RE, et al. **J Wildl Dis** 12(2):167–71, Apr 76

An experimental model for the study of endolymphatic hydrops in sharks: implications for the clinician. Arenberg IK, et al. **Laryngoscope** 86(9):1426–34, Sep 76

[Injury by means of sharks' teeth in connection with legal medicine] Budrin IuP. **Sud Med Ekspert** 18(3):41–2, Jul–Sep 75 **(Rus)**

ANATOMY & HISTOLOGY

The structure of the myosatellite cells in axial muscles of the shark Geleus melastomus. Kryvi H. **Anat Embryol (Berl)** 147(1):35–44, 9 Jun 75

Comparison of glycosaminoglycans of elasmobranch and mammalian corneas. Cremer-Bartels G, et al. **Arch Ophtalmol (Paris)** 35(1):27–36, Jan 75

Granule containing cells and fibres in the sinus venosus of elasmobranchs. Saetersdal TS, et al. **Cell Tissue Res** 163(4):471–90, 19 Nov 75

Adrenocortical ultrastructure in the squaliform elasmobranch (Ginglymostoma cirratum Bonnaterre): cell death, a postulate for holocrine secretion. Taylor JD, et al. **Gen Comp Endocrinol** 27(3):358–70, Nov 75

Topological analysis of the brain stem of the sharks Squalus acanthias and Scyliorhinus canicula. Smeets WJ, et al. **J Comp Neurol** 165(3):333–68, 1 Feb 76

[Cytology and neuroendocrine relations of the pituitary of the dogfish, Scyliorhinus canicula. Knowles F, et al. **Proc R Soc Lond [Biol]** 191(1105):507–25, 16 Dec 75

The light microscopical structure of the mesencephalic nucleus of the fifth nerve in the selachian brain. Witkovsky P, et al. **Proc R Soc Lond [Biol]** 190(1101):457–71, 23 Sep 75

Fine structure of the dogfish egg case: a unique collagenous material. Knight DP, et al. **Tissue Cell** 8(1):183–93, 1976

[Ultrastructure of interrenal (adrenocortical) cells of an elamobranch, the common dogfish (Scyliorhinus caniculus L.)] Berchtold JP, et al. **C R Acad Sci [D] (Paris)** 282(3):289–91, 19 Jan 76 (Eng. Abstr.) **(Fre)**

[Accumulation of basic amino acid residues, rate of autolysis and relative length of gut during trypsin evolution (author's transl)] Müller K, et al. **Hoppe Seylers Z Physiol Chem** 356(7):1173–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Morphology of the brain of the frilled shark] Miagkov NA. **Biol Nauki** (7):11–4, 1975 **(Rus)**

BLOOD

Equilibria and ligand binding kinetics of hemoglobins from the sharks, Prionace glauca and Carcharhinus milberti. Pennelly RR, et al. **Comp Biochem Physiol [B]** 52(1):83–7, 15 Sep 75

Phylogeny and ontogeny in the evolution of alpha-fetoprotein compared to the emergence of the immunoglobulins. pp. 55–72. Gitlin D.
In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.

IMMUNOLOGY

Quantitative and qualitative aspects of the antibody library of sharks. Clem LW, et al. **Adv Exp Med Biol** 64:231–39, 1975

A comparative study of J chain structure and stoichiometry in human and nurse shark IgM. McCumber LJ, et al. **Immunochemistry** 13(6):479–84, Jun 76

Clearance of bacteriophage in poikilothermic vertebrates and the effect of temperature. Russell WJ, et al. **J Reticuloendothel Soc** 19(2):91–6, Feb 76

METABOLISM

Histochemical distribution of acid mucopolysaccharides in the cartilage of the selachians. Carmignani MP, et al. **Acta Histochem (Jena)** 54(1):89–100, 1975

Biliary secretion in elasmobranchs. II. Hepatic uptake and biliary excretion of organic anions. Boyer JL, et al. **Am J Physiol** 230(4):974–81, Apr 76

Evidence for active chloride transport in dogfish rectal gland. Siegel NJ, et al. **Am J Physiol** 230(5):1250–4, May 76

Osmotic constitutents of the blood plasma and parietal muscle of Squalus acanthias L. Robertson JD. **Biol Bull** 148(2):303–19, Apr 75

Purification and properties of a carboxylesterase from the liver of tiger shark (Galeocerdo cuvier). Scott K, et al. **Can J Biochem** 54(5):453–61, May 76

The effect of urea, thiourea and acetamide on the renal and branchial enzyme-pattern of the dogfish Scyliorhinus canicula. Mályusz M, et al. **Comp Biochem Physiol [B]** 54(1):177–9, 1976

Transport and metabolism of purines by isolated choroid plexus, liver and brain in the spiny dogfish, Squalus acanthias. Nelson JA, et al. **Comp Biochem Physiol [B]** 53(3):371–7, 1976

Evidence of collagen in the egg capsule of the dogfish, Scyliorhinus canicula. Rusaouën M, et al. **Comp Biochem Physiol [B]** 53(4):539–43, 1976

Transference of environmental pesticides and PCB into species of western Mediterranean and Atlantic coasts. Marcos GB. **Environ Qual Saf [Suppl]** 3:793–7, 1975

Androgen metabolism in skin and skeletal muscle of the rainbow trout (Salmo gairdnerii) and in accessory sexual organs of the spur dogfish (Squalus acanthias). Hay JB, et al. **Gen Comp Endocrinol** 29(3):402–13, Jul 76

In vitro trophic action of ACTH and insulin upon adrenocortical enzymes of the squaliform elasmobranch Ginglymostoma cirratum (Bonnaterre). Honn KV, et al. **Gen Comp Endocrinol** 29(3):360–8, Jul 76

Distribution and excretion of (14C)-2,4,5,2',5'-pentachlorobiphenyl in the lobster (Homarus americanus) and the dogfish shark (Squalus acanthias). pp. 292–301. Bend JR, et al.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

The rates of ion movement from plasma to aqueous humor in the dogfish, Squalus acanthias. Maren TH, et al. **Invest Ophthalmol** 14(9):662–73, Sep 75

The amino acid sequence of the tryptic peptides isolated from dogfish M4 lactate dehydrogenase. Taylor SS, et al. **J Biol Chem** 250(22):8740–7, 25 Nov 75

High levels of pancreatic nonspecific lipase in rattlesnake and leopard shark. Patton JS. **Lipids** 10(9):562–4, Sep 75

Excretion of phenol red and its glucuronide in the dogfish shark. Guarino AM, et al. **Xenobiotica** 6(1):1–13, Jan 76

PHYSIOLOGY

Biliary secretion in elasmobranchs. I. Bile collection and composition. Boyer JL, et al. **Am J Physiol** 230(4):970–3, Apr 76

Vascular volume-distensibility characteristics of the isolated dogfish gut. Opdyke DF, et al. **Am J Physiol** 229(4):1141–6, Oct 75

Ventilatory response to hypercapnia in the larger spotted dogfish Scyliorhinus stellaris. Randall DJ, et al. **Am J Physiol** 230(3):590–4, Mar 76

Central generation of locomotion in the spinal dogfish. Grillner S, et al. **Brain Res** 109(2):255–69, 11 Jun 76

Cardio-respiratory relationships during 'eupnoea' and respiratory arrhythmias in the Port Jackson shark, Heterodontus portusjacksoni. Capra MF. **Comp Biochem Physiol [A]** 53(3):259–62, 1976

The effect of splenectomy on the hematology and on the activity of delta-aminolevulinic acid dehydratase (ALA-D) in hemopoietic tissues of the dogfish, Scyliorhinus canicula (Elasmobranchii). Fänge R, et al. **Comp Biochem Physiol [A]** 52(4):577–80, 1 Dec 75

The effect of progressive hypoxia on respiration in the dogfish (scyliorhinus canicula) at different seasonal temperatures. Butler PJ, et al. **J Exp Biol** 63(1):117–30, Aug 75

A preliminary investigation into the roles played by the rectal gland and kidneys in the osmoregulation of the striped dogfish Poroderma africanum. Haywood GP. **J Exp Zool** 193(2):167–75, Aug 75

Proceedings: Some properties of bipolar cells in the retina

of dogfish and rays. Ashmore JF, et al. **J Physiol (Lond)** 258(2):39P–40P, Jun 76

Proceedings: Responses of cerebellar nuclear neurones in the elasmobranch fish Scyliorhinus canicula. Paul DH, et al. **J Physiol (Lond)** 257(1):43P–44P, May 76

Differential thermosensitivity and electric prepolarization of the ampullae of Lorenzini. Nier K, et al. **Pfluegers Arch** 363(3):181–5, 22 Jun 76

A functional analysis of the mesencephalic nucleus of the fifth nerve in the selachian brain. Roberts BL, et al. **Proc R Soc Lond [Biol]** 190(1101):473–95, 23 Sep 75

Extracellular and intracellular pH with changes of temperature in the dogfish Scyliorhinus stellaris. Heisler N, et al. **Respir Physiol** 26(2):249–63, Apr 76

SHEEHAN'S SYNDROME see under **HYPOPITUITARISM**

SHEEP

Erythrophagocytosis by cells of the trophoblastic epithelium in the sheep placenta in different stages of gestation. Myagkaya G, et al. **Acta Anat (Basel)** 95(2):234–48, 1976

Plasma insulin and growth hormone concentrations in pregnant sheep II: post–absorptive levels in mid– and late pregnancy. Blom AK, et al. **Acta Endocrinol (Kbh)** 82(3):553–60, Jul 76

Differential effects of temperature on activity of LDH from seal and sheep skin. Blix AS, et al. **Acta Physiol Scand** 95(1):77–82, Sep 75

The fertility of deep–frozen ram semen supplemented with PGF 2 alpha. Gustafsson B, et al. **Acta Vet Scand** 16(3):468–70, 1975

The chemical composition of wool. XV. The cell membrane couplex. Peters DE, et al. **Aust J Biol Sci** 29(1–2):43–55, Mar 76

Effects of mimosine, a potential chemical defleecing agent, on wool growth and the skin of sheep. Reis PJ, et al. **Aust J Biol Sci** 28(1):69–84, Feb 75

The effect of mixed grazing of sheep and cattle on worm burdens in lambs. Arundel JH, et al. **Aust Vet J** 51(9):436–9, Sep 75

Effects of bodyweight and PMS administration on reproduction rate in Merino ewes. Hedges DA, et al. **Aust Vet J** 51(2):88–90, Feb 75

Ruminant production in increasing animal foods in Latin America. Cunha TJ. **Basic Life Sci** 7:355–62, 1976 (11 ref.)

The role of ruminants in tropical America. Fonseca H. **Basic Life Sci** 7:363–8, 1976 (36 ref.)

New inhibitors of methane production by rumen micro–organisms. Development and testing of inhibitors in vitro. Czerkawski JW, et al. **Br J Nutr** 34(3):429–46, Nov 75

New inhibitors of methane production by rumen micro–organisms. Experiments with animals and other practical possibilities. Czerkawski JW, et al. **Br J Nutr** 34(3):447–57, Nov 75

The effects of processing of barley–based supplements on rumen pH, rate of digestion of voluntary intake of dried grass in sheep. Orskov ER, et al. **Br J Nutr** 34(3):493–500, Nov 75

Relative DNA contents of somatic nuclei of ox, sheep and goat. Sumner AT, et al. **Chromosoma** 57(2):171–5, 17 Aug 76

[The effects of some polypeptides on the systemic blood pressure of sheep (author's transl)] Ormas P, et al. **Folia Vet Lat** 5(1):45–54, Jan–Mar 75 **(Eng, Ita)**

Scrapie in sheep and goats. Dickinson AG. **Front Biol** 44:209–41, 1976 (78 ref.)

Scanning electron microscopy of developing cardiac myocytes. pp. 631–6. Sheldon CA, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Origin and significance of centric fusions in domestic sheep. Bruère AN, et al. **J Hered** 67(3):149–54, May–Jun 76

Renal response to acid loading in the developing lamb fetus, intact in utero. Daniel SS, et al. **J Perinat Med** 3(1):34–43, 1975

The influence of intra–uterine surgery and of fetal intravenous nutritional supplements 'in utero' on plasma free amino acid homeostasis in the pregnant ewe. Young M, et al. **J Perinat Med** 3(3):180–97, 1975

Experiments on egg transfer in the cow and ewe: dependence of conception rate on the transfer procedure and stage of the oestrous cycle. Lawson RA, et al. **J Reprod Fertil** 45(1):101–7, Oct 75

Proceedings: An immunological test for pregnancy in the ewe. Lawson RA, et al. **J Reprod Fertil** 46(2):532–3, Mar 76

Maintenance of multiple pregnancies in sheep after removal of one fetus. Kent GM, et al. **J Surg Res** 21(3):205–6, Sep 76

Preparation of chronic lung lymph fistulas in sheep. Staub NC, et al. **J Surg Res** 19(5):315–20, Nov 75

Sheep: a model for testing spinal and epidural anesthetic agents. Lebeaux M. **Lab Anim Sci** 25(5):629–33, Oct 75

Letter: Fragment of sheep beta–lipotropin with morphine–like activity. Seidah NG, et al. **Lancet** 1(7967):1017, 8 May 76

Treatment of paraplegic sheep with hyperbaric oxygen. Yeo JD, et al. **Med J Aust** 1(15):538–40, 10 Apr 76

Animal nutrition to human nutrition: achievements and prospects. Hetzel BS. **Nature** 261(5562):640–3, 24 Jun 76

Letter: Percussion stunning of sheep. Blackmore DK. **NZ Vet J** 24(4):70, Apr 76

Some overseas developments in sheep and beef production. Sommerville GF. **NZ Vet J** 23(11):273–6, Nov 75

The synchronization of oestrus and subsequent fertility in ewes following treatment with a synthetic prostaglandin analogue (ONO 453). Hughes F, et al. **Prostaglandins** 11(6):1033–9, Jun 76

[Study of the influence of some factors on conception and fertility rates in sheep in the anestrus period] Kostov L. **Vet Med Nauki** 12(6):8–13, 1975 (Eng. Abstr.) **(Bul)**

[Study of the activity of erythrocyte cholinesterase in healthy and dipterex–poisoned sheep and cattle] Kr'stev E. **Vet Med Nauki** 12(1):10–5, 1975 (Eng. Abstr.) **(Bul)**

[Combined artificial insemination and synchronisation of oestrus in sheep (author's transl)] Van Gemert W, et al. **Tijdschr Diergeneeskd** 100(9):489–97, 1 May 75 (Eng. Abstr.) **(Dut)**

[Sexual activity during the mating season in the karakul sheep] Matter HE. **Dtsch Tieraerztl Wochenschr** 82(9):368–70, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Studies on the wool of one–day–old Karakul lambs. Results of a 10–year research] Schäfer H. **Dtsch Tieraerztl Wochenschr** 82(9):364–7, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Genetic control of the substrate specificity of sheep plasma arylesterase] Glazko VI, et al. **Genetika** 11(2):79–86, 1975 (Eng. Abstr.) **(Rus)**

[Biochemical genetics of erythrocyte arylesterase in karakul sheep] Mekhtiev NKh, et al. **Genetika** 11(2):87–91, 1975 (Eng. Abstr.) **(Rus)**

[Study of the nucleoprotein composition of sheep liver subcellular fractions in relation to heterosis] Sarsenov AS, et al. **Tsitol Genet** 10(2):158–62, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Ultrastructure of sheep metaphase chromosomes identified by study of total preparations of metaphase plates] Murzamadiev A. **Tsitologiia** 17(11):1269–72, Nov 75 (Eng. Abstr.) **(Rus)**

[Influence of residual quantities of antio in fodder on the organism of animals] Baĭmuradov TB, et al. **Veterinariia** (12):102–3, Dec 75 **(Rus)**

[Pathomorphological changes in sheep in chronic poisoning with dicresyl and trolen] Gladenko IN, et al. **Veterinariia** (7):88–90, Jul 75 **(Rus)**

[Sanitary–toxicologic evaluation of the products of slaughtered animals in antio poisoning] Khaitov RKh, et al. **Veterinariia** (3):105–7, Mar 76 **(Rus)**

ANATOMY & HISTOLOGY

A cytoarchitectonic volumetric comparison of the area gigantopyramidalis in wild and domestic sheep. **Anat Embryol (Berl)** 147(2):167–75, 9 Aug 75

Variation in the stock of testicular stem cells and in the yield of spermatogonial divisions in ram and bull testes. Hochereau–de Reviers MT. **Andrologia** 8(2):137–46, 1976

The identification and ultrastructure of macrophages from the mammary gland of the ewe. Lee CS, et al. **Aust J Exp Biol Med Sci** 54(1):43–55, Feb 76

Trigeminal afferent fibers in the trunk of the oculomotor nerve of lambs. Manni E, et al. **Exp Neurol** 50(2):465–76, Feb 76

The extrinsic blood vessels of the ovary of the sheep. Lee CS, et al. **J Morphol** 148(3):287–304, Mar 76

Proceedings: Primordial follicles in the ovary of the neonatal ewe lamb. Worthington C, et al. **J Reprod Fertil** 46(2):514–5, Mar 76

Ultrastructural changes in the placenta of the ewe following foetal infusion of cortisol. Jack PM, et al. **Q J Exp Physiol** 60(3):171–9, Jul 75

Observations on the alimentary tract of gnotobiotic lambs. Lysons RJ, et al. **Res Vet Sci** 20(1):70–6, Jan 76

Estimation of the developmental age of the ovine fetus and lamb. Richardson C, et al. **Vet Rec** 99(2):22–6, 10 Jul 76

[Cardiopulmonary nerves in the sheep] Pastea E. **Anat Anz** 139(1–2@760603–760610–2):185–92, 1976 **(Fre)**

[Macroscopic studies of cranial parasympathetic relations in the sheep] Pastea PE. **Anat Anz** 137(5):492–502, 1975 **(Fre)**

[Arteries of the opto–peduncular region of the sheep] Francke JP, et al. **Bull Assoc Anat (Nancy)** 59(165):399–410, Jun 75 (Eng. Abstr.) **(Fre)**

[Innervation of the pelvic viscera in the sheep] **J Urol Nephrol (Paris)** 80(12 pt 2):190–6, Dec 74 **(Fre)**

[The topography of muscular innervation. 9. Masticatory muscles. M. pterygoideus medialis and lateralis in groups with different mastication (conclusion)] Schumacher GH, et al. **Anat Anz** 139(1–2@760603–760610–2):71–87, 1976 **(Ger)**

[Vascular supply of the sheep udder] Stojanowić V. **Anat Anz** 138(3):240–50, 1975 **(Ger)**

[Light microscopic, electron microscopic and enzyme histochemical study of cerebral cortex of cattle, sheep and goat] Hummel G. **J Hirnforsch** 16(3):245–85, 1975 **(Ger)**

[The nervous component of the udder in Ovis aries] d'Angelo A, et al. **Boll Soc Ital Biol Sper** 52(4):228–31, 28 Feb 76 **(Ita)**

[The nucleus cervicalis lateralis in sheep] Hereć S, et al. **Pol Arch Weter** 17(4):731–6, 1975 (Eng. Abstr.) **(Pol)**

[A morphometric analysis of the structure of the atrioventricular node of the sheep heart] Venslauskas MI, et al. **Arkh Anat Gistol Embriol** 69(7):36–40, Jun 75 (Eng. Abstr.) **(Rus)**

BLOOD

Effects of fasting and theophylline on alanine–stimulated glucagon secretion in neonatal and infant sheep. Fiser RH Jr, et al. **Am J Obstet Gynecol** 124(4):421–4, 15 Feb 76

Erythrocyte oxidized glutathione in Australian Merino sheep. Board PG. **Anim Blood Groups Biochem Genet** 6(2):65–9, 1975

Interrelationships between the thyroid gland and adrenal cortex during fear, cold and restraint in the sheep. Falconer IR. **Aust J Biol Sci** 29(1–2):117–23, Mar 76

Regulation of sheep erythrocyte volume in anisotonic media. Benyajati S, et al. **Aust J Exp Biol Med Sci** 53(6):489–98, Dec 75

Changes in the acid base status of sheep anaesthetised with a combination of atropine sulphate acepromazine and ketamine hydrochloride. Thurmon JC, et al. **Aust Vet J** 51(10):484–7, Oct 75

GSH biosynthesis in glutathione deficient erythrocytes from Finnish landrace and Tasmanian merino sheep. Young JD, et al. **Biochim Biophys Acta** 404(1):132–41, 8 Sep 75

The relationship between GSH, GSSG and non–GSH thiol in GSH–deficient erythrocytes from Finnish landrace and Tasmanian merino sheep. Young JD, et al. **Biochim Biophys Acta** 404(1):124–31, 8 Sep 75

Seasonal changes in the plasma retinol–binding holoprotein concentration of sheep. Glover J, et al. **Br J Nutr** 36(1):137–41, Jul 76

The effect of glucose infusion on the plasma free amino acids in sheep. Offer NW, et al. **Br J Nutr** 34(3):375–82, Nov 75

Isolation and partial characterization of sheep transferrin. Spooner RL, et al. **Comp Biochem Physiol [B]** 52(4):515–22, 15 Dec 75

Selective suppression of FSH by testicular extracts. Keogh EJ, et al. **Endocrinology** 98(4):997–1004, Apr 76

Radioimmunoassay of serum concentrations of melatonin in sheep exposed to different lighting regimens. Rollag MD, et al. **Endocrinology** 98(2):482–9, Feb 76

Simultaneous determination of LH activity in blood serum of sheep during three synchronized oestrous cycles by Bio and Ria method. Arendarčik J, et al. **Endokrinologie** 67(1):1–7, Mar 67

Circulating levels of progesterone and corticosteroids in the pregnant ewe and its foetus. pp. 126–40. Bassett JM, et al. **In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.**

Serum zinc level in sheep. Singh K, et al. **Indian J Exp Biol** 13(5):496–7, Sep 75

Serum magnesium levels of ewes grazing orchardgrass topdressed with dolomite of calcite. Amos RL, et al. **J Anim Sci** 41(1):198–202, Jul 75

Appetite and insulin–metabolite harmony in portal blood or sheep fed high or low roughage diet with or without intraruminal infusion of VFA. Bhattacharya AN, et al. **J Anim Sci** 41(1):225–33, Jul 75

Plasma amino acids in fed and fasted wethers. Cross DL, et al. **J Anim Sci** 41(4):1164–9, Oct 75

Dose–response influence of prostaglandin E and somatostatin on plasma levels of growth hormone. Prolactin and thyrotropin in sheep. Davis SL, et al. **J Anim Sci** 41(1):172–7, Jul 75

Postprandial patterns of plasma glucose, insulin and volatile fatty acids in ruminants fed low– and high–roughage diets. Evans E, et al. **J Anim Sci** 41(5):1474–9, Nov 75

Seasonal changes in serum testosterone in adult rams. Gomes WR, et al. **J Anim Sci** 41(5):1373–5, Nov 75

Effect of cyclophosphamide on erythrocyte and plasma acetycholinesterase activity in sheep. Jackson C Jr, et al. **J Anim Sci** 41(5):1390–3, Nov 75

Use of plasma urea nitrogen to vary protein allowances of lambs. Pfander WH, et al. **J Anim Sci** 41(2):647–53, Aug 75

Amino acid absorption by portal–jugular venous differences in sheep fed two maturites of alfalfa hay. Prewitt LR, et al. **J Anim Sci** 41(6):1722–7, Dec 75

Protein binding of plasma cortisol in the foetal lamb near term. Fairclough RJ, et al. **J Endocrinol** 67(3):333–41, Dec 75

Chromosomes, hemoglobins, and transferrins of Iranian domestic sheep. Bunch TD, et al. **J Hered** 67(3):167–70, May–Jun 76

Proceedings: FSH levels and unilateral ovariectomy in the ewe. Cumming IA, et al. **J Reprod Fertil** 46(2):516–7, Mar 76

Levels of progesterone, LH and FSH in the plasma of sheep during the oestrous cycle. Cunningham NF, et al. **J Reprod Fertil** 45(1):177–80, Oct 75

Proceedings: Plasma FSH in Merino lambs selected for fecundity. Findlay JK, et al. **J Reprod Fertil** 46(2):515–6, Mar 76

Dynamic studies of prostaglandin F–2 alpha in the utero–ovarian circulation of the sheep. Land RB, et al. **J Reprod Fertil** 47(2):209–14, Jul 76

Proceedings: Sequential patterns of LH, FSH and prolactin in developing ram lambs: effects of castration and oestradiol–17beta treatment. Lee VW, et al. **J Reprod Fertil** 46(2):494–5, Mar 76

Proceedings: Melatonin in fetal and maternal ovine plasma. Matthews CD, et al. **J Reprod Fertil** 46(2):498–9, Mar 76

Proceedings: Gonadotrophins in the neonatal female lamb. Tassell R, et al. **J Reprod Fertil** 46(2):515, Mar 76

Adrenal autotransplants in sheep: prostaglandin A1 is not steroidogenic. Newsome HH Jr. **J Surg Res** 19(6):411–3, Dec 75

Caeruloplasmin activity as an indication of plasma copper levels in sheep. Lorentz PP, et al. **NZ Vet J** 23(1–2):1–3, Jan–Feb 75

Serum total protein and albumin levels in grazing sheep. Roil MR, et al. **NZ Vet J** 22(12):232–6, Dec 74

Plasma concentrations of 13,14–dihydro–15–keto–prostaglandin F during pregnancy in sheep. Mitchell MD, et al. **Prostaglandins** 11(2):319–29, Feb 76

Plasma lipoproteins of lambs and sheep. Leat WM, et al. **Q J Exp Physiol** 61(3):193–202, Jul 76

Postnatal changes in the levels of 2,3–diaphosphoglycerate, reduced glutathione and some enzyme activities in the erythrocytes of lambs. Agar NS. **Res Vet Sci** 20(2):223–4, Mar 76

Isoenzymes of alkaline phosphatase in serum of lambs and ewes. Healy PJ. **Res Vet Sci** 19(2):120–6, Sep 75

Isoenzymes of alkaline phosphatase in serum of newly born lambs. Healy PJ. **Res Vet Sci** 19(2):127–30, Sep 75

The levels of selenium and glutathione peroxidase activity in blood of sheep, cows and pigs. McMurray CH, et al. **Res Vet Sci** 20(2):229–31, Mar 76

Plasma thyroxine concentrations in ewes and their fetuses during the last six weeks of pregnancy. Mellor DJ, et al. **Res Vet Sci** 21(1):102–3, Jul 76

Normal blood–gas values in lambs during neonatal development and in adult sheep. Mitchell B, et al. **Res Vet Sci** 19(3):335–6, Nov 75

Changes in the concentrations of urea, glucose and some mineral elements in the plasma of the ewe during induced parturition. Scott D, et al. **Res Vet Sci** 20(3):346–7, May 76

Hemoglobin switching in sheep and goats: occurrence of hemoglobins A and C in the same red cell. Nienhuis AW, et al. **Science** 185(4155):946–8, 13 Sept 74

Blood mine–al status and haematological values in sheep in the Gezira Province of the Sudan. Idris OF, et al. **Trop Anim Health Prod** 8(1):13, Feb 76

Pituitary LH responses of lactating anestrous ewes to varying doses of luteinizing hormone–releasing hormone administered by different routes and vehicles. Dermody WC, et al. **Vet Med Small Anim Clin** 71(5):687–90, May 76

Chloramphenicol plasma levels in horses, cattle and sheep after oral and intramuscular administration. De Corte–Baeten K, et al. **Zentralbl Veterinaermed [A]** 22(8):704–12, Oct 75

[Structure and immunological activity of the carbohydrate moiety of cow kappa casein (author's transl)] pp. 677–84. Fiat AM, et al.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m. (Eng. Abstr.) **(Fre)**

[Influence of fasting on free amino acid levels in the blood plasma of sheep] Joassart JM. **Z Tierphysiol** 36(4):205–10, Feb 76 (Eng. Abstr.) **(Fre)**

[Influence of the nature of the diet on free amino acid levels in blood plasma in sheep] Jossart JM. **Z Tierphysiol** 36(4):199–205, Feb 76 (Eng. Abstr.) **(Fre)**

[Behavior of calcium, inorganic phosphorus, magnesium and glucose concentrations in the plasma of ewes in the perinatal period] Brenner K, et al.
Arch Exp Veterinaermed 29(6):939–45, Dec 75 (Eng. Abstr.) **(Ger)**

[Metabolism and hematology studies of intensively raised fattened lambs under various feeding and management conditions. 3. The effect of weaning age under various management conditions on the blood picture, serum mineral and bilirubin concentration and vitamin A concentration in the liver] Schulz O, et al. **Arch Exp Veterinaermed** 29(2):295–302, 1975 (Eng. Abstr.) **(Ger)**

[Metabolism and hematology studies of intensively raised fattened lambs under various feeding and management conditions. 1. The effect of various feeding methods on the blood picture, serum mineral and bilirubin concentration, and vitamin A concentration in the liver] Schulz O, et al. **Arch Exp Veterinaermed** 29(2):281–7, 1975 (Eng. Abstr.) **(Ger)**

[Metabolism and hematology studies of intensively raised fattened lambs under various feeding and management conditions. 2. The effect of various management methods on the blood picture, serum mineral and bilirubin concentration and vitamin A concentration in the liver] Schulz O, et al. **Arch Exp Veterinaermed** 29(2):289–93, 1975 (Eng. Abstr.) **(Ger)**

[Artificial induction of ketosis in lactating ewes using phlorizin infusions] Zander HD.
Berl Munch Tieraerztl Wochenschr 89(1):5–7, 1 Jan 76 **(Ger)**

[A genetically determined quantitative blood–group factor in sheep (author's transl)] Schmid DO, et al.
Z Immunitaetsforsch 143(4):406–10, May 72 (Eng. Abstr.) **(Ger)**

[Proceedings: Effects of DPG on ruminant hemoglobins] Enoki Y, et al. **J Physiol Soc Jpn** 36(8–9):366, 1 Sep 74 **(Jpn)**

[Certain hematologic indicators in long–term experimental use of estrogens] Demidov VN, et al.
Akush Ginekol (Mosk) (9):64–5, Sep 75 **(Rus)**

[Biochemical polymorphism of blood serum alkaline phosphatase in karakul sheep] Mekhtiev NKh, et al.
Genetika 9(10):67–70, Oct 73 (Eng. Abstr.) **(Rus)**

[Genetic control of lactate dehydrogenase gene A expression in sheep erythrocytes] Serov OL, et al. **Genetika** 11(9):27–31, 1975 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

A comparison of cholinesterase activity of plasma, erythrocytes, and cerebrospinal fluid of sheep, calves, dogs, swine, and rabbits. Hazelwood JC, et al. **Am J Vet Res** 37(6):741–3, Jun 76

[Influences of intravenous magnesium on the magnesium level in the cerebrospinal fluid in sheep] Meyer H, et al.
Zentralbl Veterinaermed [A] 22(9):780–4, Nov 75 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Cardiac output in the fetal lamb: the effects of spontaneous and induced changes of heart rate on right and left ventricular output. Rudolph AM, et al.
Am J Obstet Gynecol 124(2):183–92, 15 Jan 76

Frank–Starling relationship as an important determinant of fetal cardiac output. Kirkpatrick SE, et al.
Am J Physiol 231(2):495–500, Aug 76

Presence of a pineal nerve in sheep and rabbit fetuses. Moller M, et al. **Cell Tissue Res** 158(4):451–9, 20 May 75

Morphological development of the pulmonary vascular bed in fetal lambs. Levin DL, et al. **Circulation** 53(1):144–51, Jan 76

Neurohypophysial hormones in fetal life and pregnancy. I. Pharmacological studies in the sheep (Ovis aries). Vizsolyi E, et al. **Gen Comp Endocrinol** 29(1):28–40, May 76

Neurohypophysial hormones in fetal life and pregnancy. II. Chromatographic studies in the sheep (Ovis aries). Vizsolyi E, et al. **Gen Comp Endocrinol** 29(1):41–50, May 76

Histochemical localization of Mg2+–Na+–K+–adenosine triphosphatase in different stages of the sheep mesonephros. Tiedemann K, et al. **Histochemistry** 45(4):331–40, 19 Dec 75

The ultrastructure of the sheep placenta around the time of parturition. Perry JS, et al. **J Anat** 120(3):561–70, Dec 75

In vitro culture of embryos from adult and prepuberal ewes. Wright RW Jr, et al. **J Anim Sci** 42(4):912–7, Apr 76

Proceedings: Pituitary and adrenal function in foetal sheep during the latter half of gestation. Jones CT, et al.
J Endocrinol 67(2):26P, Nov 75

Proceedings: Sexual differentiation of the brain of the sheep. Short RV. **J Endocrinol** 66(2):5P, Aug 75

Measurement of cortisol, cortisone, 11–deoxycortisol and corticosterone in foetal sheep plasma during the perinatal period. Thomas SJ, et al. **J Endocrinol** 68(02):181–9, Feb 76

Lymphopoiesis and lymphocyte recirculation in the sheep fetus. Pearson LD, et al. **J Exp Med** 143(1):167–86, 1 Jan 76

Renal response of the lamb fetus to partial occlusion of the umbilical cord. Daniel SS, et al. **J Pediatr** 87(5):788–94, Nov 75

Proceedings: Insulin and the control of plasma glucose concentration in chronically catheterized foetal lambs. Shelley HJ. **J Physiol (Lond)** 252(2):66P–67P, Nov 75

Deep freezing of sheep embryos. Willadsen SM, et al.
J Reprod Fertil 46(1):151–4, Jan 76

The effect of amniotic fluid removal on pulmonary maturation in sheep. Frantz ID. **Pediatrics** 56(3):474–6, Sep 75

[Development of the skeleton in sheep and goat III. Osteogenesis of the spinal column] Rajtová V.
Gegenbaurs Morphol Jahrb 120(3):356–66, 1974 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Effects on growing swine and sheep of two polychlorinated biphenyls. Hansen LG, et al. **Am J Vet Res** 37(9):1021–4, Sep 76

Sequential patterns of circulating luteinizing hormone and follicle–stimulating hormone in female sheep from early postnatal life through the first estrous cycles. Foster DL, et al. **Endocrinology** 97(4):985–94, Oct 75

Application of synthetic estrogen in sheep. Abou Akkada AR, et al. **Environ Qual Saf [Suppl]** (5):99–108, 1976 (51 ref.)

The anabolic effect of estrogens on nitrogen metabolism of growing and finishing cattle and sheep. Trenkle A.
Environ Qual Saf [Suppl] (5):79–88, 1976 (33 ref.)

Mammary gland growth in sheep. Anderson RR.
J Anim Sci 41(1):118–23, Jul 75

Influence of chronic thyrotropin–releasing hormone injections on secretion of prolactin, thyrotropin and growth hormone and on growth rate in wether lambs. Davis SL, et al. **J Anim Sci** 42(5):1244–50, May 76

Breed, heterosis and environmental influences on growth and puberty in ewe lambs. Dickerson GE, et al. **J Anim Sci** 41(1):1–9, Jul 75

Growth in sheep, pre– and post–weaning hormone changes and muscle and liver development. Johns JT, et al.
J Anim Sci 43(1):192–200, Jul 76

Proceedings: Growth, prolactin and growth hormone in lambs treated with CB154. Brown WB, et al.
J Endocrinol 69(3):47P, Jun 76

Proceedings: Serum growth hormone levels in growing lambs at two daylengths and two levels of feeding. Driver PM, et al. **J Endocrinol** 69(3):44P–45P, Jun 76

The effect of ewe proximity on testis size in developing rams. Illius AW, et al. **Vet Rec** 97(15):281–2, 11 Oct 75

[Some data on the effect of the trace element, selenium, on the productivity of sheep under the conditions of the Nakhichevan ASSR] pp. 178–81. Musaev MA, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Ontogeny of T cell function in the fetal lamb. Silverstein AM, et al. **Adv Exp Med Biol** 66:63–8, 1976

R receptors on lymphocytes of sheep. Schmid DO, et al. **Anim Blood Groups Biochem Genet** 6(1):61–2, 1975

Titration of a brucella protein allergen in sheep sensitized with Brucella melitensis. Jones LM, et al.
Ann Rech Vet 6(2):173–8, 1975

Appearance of cytolytic antibodies in sheep lymph following immunisation with tumour cells. Identification of antibody subclasses. Grant CK, et al. **Aust J Exp Biol Med Sci** 53(5):381–7, Oct 76

Cytotoxic mechanisms detected in vitro following sheep renal allografts. Grant CK, et al. **Aust J Exp Biol Med Sci** 53(6):515–25, Dec 75

Cytophilic attachment of ovine IgG2 to autologous polymorphonuclear leucocytes. Watson DL.
Aust J Exp Biol Med Sci 53(6):527–9, Dec 75

A study of the humoral immune response to osteoarticular allografts in the sheep. Elves MW, et al.
Clin Exp Immunol 17(3):497–508, Jul 74

Relationships between wild sheep and goats and the aoudad (Caprini) studied by immunodiffusion. Hight ME, et al. **Comp Biochem Physiol [B]** 54(2):265–9, 1976

Immunochemical studies of organ and tumor lipids XXI. Sensitivity and specificity of the cytolipin F – sheep erythrocyte system. Bathija A, et al.
Connect Tissue Res 3(1):81–6, 1975

Local and systemic immune responses following oral immunization of foetal lambs. Husband AJ, et al.
Immunology 29(6):1019–28, Dec 75

The effect of cytophilic IgG2 on phagocytosis by ovine polymorphonuclear leucocytes. Watson DL. **Immunology** 31(2):159–65, Aug 76

Physiological effects of immunising sheep against oestradiol–17beta. pp. 67–90. Scaramuzzi RJ.
In: Edwards RG, Johnson MH, ed. Physiological effects of immunity against reproductive hormones. London, Cambridge Univ Press, 1976. W3 C162G v.3 1974.

Serological relationship of taxonomically closely related domestic ruminants: cattle, buffalo, sheep & goat. Pandey R, et al. **Indian J Exp Biol** 13(4):371–4, Jul 75

Adjuvant effect of Bordetella pertussis vaccine to sheep erythrocytes: enhancement of antibody formation by using subcutaneous administration of adjuvant and antigen. Murgo AJ, et al. **Infect Immun** 12(5):969–77, Nov 75

Immunoglobulin–bearing lymphocytes: their demonstration in adult sheep and ontogeny in the sheep fetus. Symons DB, et al. **Int Arch Allergy Appl Immunol** 49(5):658–69, 1975

A survey for Toxoplasma gondii antibodies in deer and other wildlife on a sheep range. Franti CE, et al.
J Am Vet Med Assoc 167(7):565–8, 1 Oct 75

The humoral response of mouse spleen cells to two types of sheep erythrocytes. II. Evidence for gene expression in the B lymphocyte. McCarthy MM, et al. **J Immunol** 115(5):1322–6, Nov 75

The humoral response of mouse spleen cells to two types of sheep erythrocytes. I. Genetic control of the response to H and L SRBC. McCarthy MM, et al. **J Immunol** 115(5):1316–21, Nov 75

The humoral response of mouse spleen cells to two types of sheep erythrocytes. III. A new VH region marker. McCarthy MM, et al. **J Immunol** 115(5):1327–9, Nov 75

Studies on the adjuvant effect of Bordetella pertussis vaccine to sheep erythrocytes in the mouse. I. In vitro enhancement of antibody formation with normal spleen cells. Murgo AJ, et al. **J Immunol** 115(4):928–31, Oct 75

Isolation of the most immunoreactive antigenes of echinococcus granulosus from sheep hydatid fluid. Pozzuoli R, et al. **J Immunol** 115(5):1459–63, Nov 75

Proceedings: Effects of immunizing sheep to steroid oestrogens and phyto–oestrogens. Cox RI, et al.
J Reprod Fertil 46(2):524, Mar 76

Antibody–hapten interactions in vivo in mice and sheep. Jonas WE, et al. **Res Vet Sci** 19(3):235–40, Nov 75

Plasma and organ counts of 3H in normal or immune mice and sheep injected with 3H–epsilon–dinitrophenyl–lysine. Jonas WE, et al. **Res Vet Sci** 21(1):47–52, Jul 76

The resistance of sheep to Fasciola hepatica: studies on the pathophysiology of challenge infections. Sinclair KB.
Res Vet Sci 19(3):296–303, Nov 75

Immunoglobulin concentrations in ovine body fluids. Smith WD, et al. **Res Vet Sci** 19(2):189–94, Sep 75

Incidence in Tanzania of CF antibody to Coxiella burneti in sera from man, cattle, sheep, goats and game. Hummel PH. **Vet Rec** 98(25):501–5, 19 Jun 76

Antibodies to parainfluenza 3 virus in cattle, sheep and goats from northern Nigeria. Taylor WP, et al. **Vet Rec** 97(10):183, 6 Sep 75

Transfer of IgG from plasma to nasal secretions in newborn lambs. Wells PW, et al. **Vet Rec** 97(23):455, 6 Dec 75

[The sheep OL lymphocyte antigen system: 11 factors detected by microcytotoxicity assays in a prealp flock]

Millot P. **C R Acad Sci [D] (Paris)** 281(23):1921–3, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Lymphocyte antigens in sheep] Schmid DO, et al. **Zentralbl Veterinaermed [B]** 22(5):386–92, Jul 75 (Eng. Abstr.) **(Ger)**

[Allogenic rosette formation as a possible marker of human B-lymphocytes] Donskov SI, et al. **Probl Gematol Pereliv Krovi** 20(7):16–9, Jul 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Demonstration of a Mg-ATPase and a Na,K-ATPase from the arteria carotis communis of the sheep. Preiss R, et al. **Acta Biol Med Ger** 34(1):37–44, 1975

Effect of dietary nitrogen level on electrolyte and water metabolism in sheep. Juhász B, et al. **Acta Vet Acad Sci Hung** 24(4):443–50, 1974

Quantitative aspects of insulin secretion and its hepatic and renal removal in sheep. Brockman RP, et al. **Am J Physiol** 229(5):1338–43, Nov 75

Effects of glucagon and insulin on net hepatic metabolism of glucose precursors in sheep. Brockman RP, et al. **Am J Physiol** 229(5):1344–9, Nov 75

Effect of experimentally induced hyperketonemia on glucose metabolism of ovine brain in vivo. Kammula RG. **Am J Vet Res** 37(8):935–8, Aug 76

Retention of selenium in tissues of calves, lambs, and pigs after parenteral injection of a selenium-vitamin E preparation. Van Vleet JF. **Am J Vet Res** 36(9):1335–40, Sep 75

Production of endogenous acetate by the liver in lactating ewes. Costa ND, et al. **Aust J Biol Sci** 29(1–2):33–42, Mar 76

Sulphate recycling and metabolism in sheep and cattle. Kennedy PM, et al. **Aust J Biol Sci** 28(1):31–42, Feb 75

Renal response to intravenous phosphate infusion in the sheep. Tomas FM. **Aust J Biol Sci** 28(5–6):511–20, Dec 75

An isotopic study of oxalate excretion in sheep. McIntosh GH, et al. **Aust J Exp Biol Med Sci** 53(6):479–87, Dec 75

Letter: The tannin and oxalic acid content of Acacia aneura (Mulga) and their possible effects on sulphur and calcium availability. Gartner RJ, et al. **Aust Vet J** 52(4):194–6, Apr 76

Inducibility and some properties of the threonine dehydratase of sheep liver. Doonan S, et al. **Biochem J** 144(3):533–41, Dec 74

Metabolism of (14C)citrulline in the perfused sheep and goat udder. Roets E, et al. **Biochem J** 144(3):435–46, Dec 74

The ileum of the sheep as a site of protein digestion. Ben-Ghedalia D, et al. **Br J Nutr** 36(2):211–7, Sep 76

Studies on the absorption and retention of calcium and phosphorus by young and mature Ca-deficient sheep. Braithwaite GD. **Br J Nutr** 34(2):311–24, Sep 75

The utilization of diets containing acetate salts by growing lambs as measured by comparative slaughter and respiration calorimetry, together with rumen fermentation. Hovell FD, et al. **Br J Nutr** 35(3):343–63, May 76

Effects of dietary hydrochloric acid on voluntary food intake and metabolism of sheep in relation to the use of mineral acids as silage additives. L'Estrange JL, et al. **Br J Nutr** 34(2):221–31, Sep 75

A study of the effectiveness of calcined magnesite as a neutralizing agent for hydrochloric acid in the diet of sheep. McNamara T, et al. **Br J Nutr** 34(2):233–42, Sep 75

Simulation of the dynamics of nitrogen metabolism in sheep. Mazanov A, et al. **Br J Nutr** 35(1):149–74, Jan 76

Further studies of the dynamics of nitrogen metabolism in sheep. Nolan JV, et al. **Br J Nutr** 35(1):127–47, Jan 76

The efficacy of protein supplementation in overcoming urea toxicity in sheep. Payne E, et al. **Br J Nutr** 35(1):47–54, Jan 76

The role of organic sulphur in the copper–molybdenum–S interrelationship in ruminant nutrition. Suttle NF. **Br J Nutr** 34(3):411–20, Nov 75

Net utilization of roughage and concentrate diets by sheep. Wilke PI, et al. **Br J Nutr** 35(2):201–9, Mar 76

Isoenzyme comparisons of wild Iranian sheep (Ovis linnaeus). Nadler CF, et al. **Comp Biochem Physiol [B]** 53(1):123–5, 1976

28Mg kinetics in ewes fed normal or tetany prone grass. Larvor P. **Cornell Vet** 66(3):413–29, Jul 76

Metabolism of testosterone in isolated germ cells of the ram. pp. 209–12. Barral I, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

The kinetics of progesterone metabolism in the pregnant sheep. pp. 83–93. Bedford CA, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

The kinetics of oestrogen metabolism in the pregnant sheep. pp. 73–82. Challis JR, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

The occurrence and metabolism of oestrogens in the sheep foetus and placenta. pp. 54–64. Findlay JK, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Protein-binding and the metabolism of cortisol in sheep. pp. 94–103. Paterson JY, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

In vivo and in vitro studies of steroid metabolism by the sheep placenta. pp. 40–53. Pierrepoint CG, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Steroid secretion and metabolism by the sheep foetus and placenta. pp. 23–39. Velle W.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Genetic variation in nutrition of sheep. pp. 88–112. Terrill CE.
In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974. (122 ref.)

Studies on sheep brain neuraminidase. Alam T, et al. **Indian J Biochem Biophys** 13(1):37–42, Mar 76

Metabolism and residues of 3H- and 35S-labeled ferbam in sheep. Hunt LM, et al. **J Agric Food Chem** 24(3):670–2, May-Jun 76

Metabolic fate of p-toluoyl chloride phenylhydrazone (TCPH) in sheep. The nature of bound residues in erythrocytes. Jaglan PS, et al. **J Agric Food Chem** 24(3):659–64, May-Jun 76

Abomasal protein recovery and microbial protein synthesis in wethers fed high and low quality forage diets. Amos HE, et al. **J Anim Sci** 42(4):970–6, Apr 76

Response of ovine pancreatic amylase to elevated blood glucose. Call JL, et al. **J Anim Sci** 41(6):1717–21, Dec 75

Digestible energy intake of complete diets by wethers and lactating ewes. Clancy M, et al. **J Anim Sci** 42(4):960–9, Apr 76

Effects of 1,3-butanediol and 1,2-propanediol on blood ketone bodies and glucose in sheep fed restricted diets. Emmanuel B, et al. **J Anim Sci** 41(5):1468–73, Nov 75

Effect of dietary lead on performance, tissue mineral composition and lead absorption in sheep. Fick KR, et al. **J Anim Sci** 42(2):515–23, Feb 76

Vitamin A status of ewes and lambs grazing nitrogen fertilized orchardgrass pastures. Horn FP, et al. **J Anim Sci** 41(2):635–40, Aug 75

Magnesium and calcium utilization in sheep treated with magnesium alloy rumen bullets or fed magnesium sulfate. House WA, et al. **J Anim Sci** 42(2):506–14, Feb 76

Influence of carbohydrate solubility on non-protein nitrogen utilization in the ruminant. Johnson RR. **J Anim Sci** 43(1):184–91, Jul 76

Sulfur metabolism in ruminants. II. In vivo availability of various chemical forms of sulfur. Kahlon TS, et al. **J Anim Sci** 41(4):1154–60, Oct 75

Progesterone synthesis by ovine fetal cotyledons in vitro. Koligian KB, et al. **J Anim Sci** 42(2):439–43, Feb 76

Effect of diet on in vitro and in vivo rumen lactate disappearance rate in sheep. Kunkle WE, et al. **J Anim Sci** 42(5):1256–62, May 76

Effects of plant species and cobalt intake upon cobalt utilization and ration digestibility by sheep. Looney JW, et al. **J Anim Sci** 42(3):693–8, Mar 76

Dietary carbohydrates effects upon magnesium metabolism in sheep. Madsen FC, et al. **J Anim Sci** 42(5):1316–22, May 76

Glutathione peroxidase response to selenium intake in lambs fed a Torula yeast-based, artificial milk. Oh SH, et al. **J Anim Sci** 42(4):977–83, Apr 76

Dietary selenium requirements of sheep fed a practical-type diet as assessed by tissue glutathione peroxidase and other criteria. Oh SH, et al. **J Anim Sci** 42(4):984–92, Apr 76

Prostaglandins F in uterine venous plasma, ovarian arterial and venous plasma and in ovarian and luteal tissue of pregnant and nonpregnant ewes. Pexton JE, et al. **J Anim Sci** 41(1):154–9, Jul 75

Prostaglandins F in uterine tissue and venous plasma of ewes with intrauterine devices. Pexton JE, et al. **J Anim Sci** 41(1):144–53, Jul 75

In vitro absorption of amino acids by the small intestine of sheep. Philips WA, et al. **J Anim Sci** 42(1):201–7, Jan 76

Effects of tallow and urea on in vitro rumen fermentation and nutrient digestion in sheep. Phillips RL, et al. **J Anim Sci** 41(2):588–95, Aug 75

Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. Prior RL. **J Anim Sci** 42(1):160–7, Jan 76

Relationships between fatty acid composition of lamb fat and dietary ingredients. Ray EE, et al. **J Anim Sci** 41(6):1767–74, Dec 75

Effect of energy sources on plasma insulin and nitrogen metabolism in sheep totally nourished by infusions. Tao RC, et al. **J Anim Sci** 41(6):1653–9, Dec 75

Nitrogen metabolism and wethers as affected by dietary protein solubility and amino acid profile. Wohlt JE, et al. **J Anim Sci** 42(5):1280–9, May 76

Physiological evidence consistent with the presence of a specific O2 carrier in the placenta. Gurtner G, et al. **J Appl Physiol** 39(5):728–34, Nov 75

Distribution volumes of [131I]albumin, [14C]sucrose, and 36Cl in sheep lung. Selinger SL, et al. **J Appl Physiol** 39(5):773–9, Nov 75

Creatine phosphokinase in normal sheep and in sheep with nutritional muscular dystrophy. Boyd JW. **J Comp Pathol** 86(1):23–8, Jan 76

The effect of prolonged kale feeding on the thyroid glands of sheep. David JS. **J Comp Pathol** 86(2):235–41, Apr 76

Variation in liver and plasma copper concentrations of sheep in relation to breed and haemoglobin type. Wiener G, et al. **J Comp Pathol** 86(1):101–9, Jan 76

Composition of ewe's milk. Williams AP, et al. **J Dairy Res** 43(2):325–9, Jun 76

Selenium in ruminant nutrition: a review. Ammerman CB, et al. **J Dairy Sci** 58(10):1561–77, Oct 75 (146 ref.)

Metabolism of liquid whey fed to sheep. Anderson MJ. **J Dairy Sci** 58(12):1856–9, Dec 75

Effects of adrenalectomy upon ruminant liver and mammary function during lactation. Ely LO, et al. **J Dairy Sci** 59(3):491–503, Mar 76

Quantitative aspects of nitrogen utilization in ruminants. Hogan JP. **J Dairy Sci** 58(8):1164–77, Aug 75 (62 ref.)

A kinetic concepto of lipid transport in ruminants. Palmquist DL. **J Dairy Sci** 59(3):355–63, Mar 76 (63 ref.)

Factors influencing rumen fermentation: effect of hydrogen on formation of propionate. Schulman MD, et al. **J Dairy Sci** 59(8):1444–51, Aug 76

Influence of type and amount of grain on digestibility of rations containing cottonseed hulls. Sudweeks EM. **J Dairy Sci** 59(5):907–11, May 76

Proceedings: Comparison of intra-uterine metabolism of prostaglandin F2alpha in ovine and human pregnancy. Keirse MJ, et al. **J Endocrinol** 67(2):24P–25P, Nov 75

Cytoplasmic oestrogen receptor complex of female ovine pituitary: changes associated with the reproductive state and oestradiol treatment. Wise PM, et al. **J Endocrinol** 67(3):447–52, Dec 75

The exchange of phosphatidylcholine and of phosphatidylinositol in sheep brain. Brammer MJ, et al. **J Neurochem** 25(5):699–705, Nov 75

Concentrations of NE and 5-HT in the contused sheep spinal cord: status of the monoamine hypothesis. Kidman AD, et al. **J Neurochem** 27(1):293–4, Jul 76

The influence of prostaglandin F-2alpha on pregnenolone metabolism by the autotransplanted ovary of the ewe. Hoppen HO, et al. **J Reprod Fertil** 47(2):275–81, Jul 76

Acrosomal enzymes: Immunochemical localization of acrosin and hyaluronidase in ram spermatozoa. Morton DB. **J Reprod Fertil** 45(2):375–8, Nov 75

Progesterone and 20 alpha-dihydroprogesterone in sheep: a model of their distribution and metabolism. Paterson JY, et al. **J Reprod Fertil** 46(2):313–22, Mar 76

Investigations on adenosine 3',5'-monophosphate phosphodiesterase in ram semen and initial characterization of a sperm-specific isoenzyme. Tash JS. **J Reprod Fertil** 47(1):63–72, May 76

Measurement of adenylate cyclase activity in ram spermatozoa. Towns KM, et al. **J Reprod Fertil** 47(2):355–7, Jul 76

A review of mineral imbalances of grazing animals in southern Africa. Boyazoglu PA. **J S Afr Vet Assoc** 57(2):129–32, Jun 76 (17 ref.)

The effect of different dietary levels of Ca and P on the plasma Ca, inorganic P and Mg as well as the ash, Ca, P and Mg content of cervical vertebrae and total body of sheep. McDonald N, et al. **J S Afr Vet Assoc** 46(4):331–4, Dec 75

Efficiency of bacterial protein synthesis in the rumen of sheep receiving a diet of sugar beet pulp and barley. Chamberlain DG, et al. **J Sci Food Agric** 27(3):231–8, Mar 76

Chemical composition of microbial matter in the rumen. Czerkawski JW. **J Sci Food Agric** 27(7):621–32, Jul 76

Manipulation of fermentation in the rumen. Harrison DG, et al. **J Sci Food Agric** 27(7):617–20, Jul 76

Positive airway pressure in lambs spontaneously breathing air and oxygen. Liland AE, et al. **J Surg Res** 20(2):85–92, Feb 76

Effect of diet on the composition of cholesteryl esters of sheep adrenals. Christie WW, et al. **Lipids** 10(10):649–51, Oct 75

Synthesis of cholesterol esters in the plasma and liver of sheep. Noble RC, et al. **Lipids** 10(12):790–9, Dec 75

Utilization of oxidizable substrates by the sheep hind limb: effects of starvation and exercise. Jarrett IG, et al. **Metabolism** 25(5):523–31, May 76

Electrical stimulation of the median eminence in ovariectomized and estradiol-treated sheep. Increased LH release and evidence for neural regulation of spontaneous LH rhythms. Malven PV. **Neuroendocrinology** 19(1):81–90, 1975

Some observations on the use of D-glucose-2-3H as a tracer in turnover studies in merino sheep. Van Der Walt JG. **Onderstepoort J Vet Res** 42(1):63–5, Mar 75

Volatile fatty acid metabolism in sheep. 1. Average daily volatile fatty acid production in the rumen of sheep fed lucerne hay. Van Der Walt JG, et al. **Onderstepoort J Vet Res** 43(1):11–21, Mar 76

Preparation and utilization of isolated hepatocytes for the study of the sheep liver metabolism. Ash R, et al. **Proc Nutr Soc** 35(1):29A, May 76

Ammonium polyphosphate in the drinking-water as a source of phosphorus for growing sheep. Hemingway RG, et al. **Proc Nutr Soc** 34(2):78A–79A, Sep 75

Oxidation and metabolism of linoleic acid in the sheep. Leat WM, et al. **Proc Nutr Soc** 34(2):88A–89A, Sep 75

The influence of dietary sulphate on the toxicity of lead to sheep. Morrison JN, et al. **Proc Nutr Soc** 34(2):77A–78A, Sep 75

Hepatic gluconeogenesis in foetal and suckling lambs. Savan PM, et al. **Proc Nutr Soc** 35(1):30A, May 76

The energy value to sheep of a mixed grass silage. Smith JS, et al. **Proc Nutr Soc** 34(3):101A–102A, Dec 75

The effect of altering dilution rate on the pattern of fermentation in the rumen. Thompson DJ, et al. **Proc Nutr Soc** 34(3):111A–112A, Dec 75

The effect of vasopressin upon the excretion of calcium by the sheep. Beal AM, et al. **Q J Exp Physiol** 61(2):121–5, Apr 76

The absorption of magnesium from the forestomachs, stomach and small intestine of sheep. Axford RF, et al. **Res Vet Sci** 19(3):333–4, Nov 75

The excretion of phylloerythrin and bilirubin by calves and sheep. Ford EJ, et al. **Res Vet Sci** 21(1):12–8, Jul 76

The composition of ruminal and abomasal fluid from catheterised fetal sheep during the last 50 days of pregnancy. Pearson RA, et al. **Res Vet Sci** 21(1):100–1, Jul 76

The composition of the liver lipids of the ewe during pregnancy and lactation. Smith RW, et al. **Res Vet Sci** 19(2):230–2, Sep 75

The use of a liver biopsy technique for investigating the effects of hexacholrobenzene on some drug–metabolising enzymes in sheep. Turner JC, et al. **Res Vet Sci** 20(2):155–7, Mar 76

Letter: New system of energy standards for feeding cattle and sheep. Hill R, et al. **Vet Rec** 97(18):358, 1 Nov 75

Fetal renal oxalosis due to feeding oxalic acid to pregnant ewes. Schiefer B, et al. **Zentralbl Veterinaermed [A]** 23(3):226–33, Apr 76

[Study of the amniotic fluid of sheep in the normal course of pregnancy and in abortion] Georgiev S. **Vet Med Nauki** 12(5):37–44, 1975 (Eng. Abstr.) **(Bul)**

[Effect of ACTH on extravascular protein circulation in the lymph and blood of rams] Ainson H. **Cas Lek Cesk** 114(33):1008–11, 15 Aug 75 (Eng. Abstr.) **(Cze)**

[Levels of luteinizing hormone in sheep of various breeds] Pichová D, et al. **Vet Med (Praha)** 20(4):193–8, Apr 75 (Eng. Abstr.) **(Cze)**

[Effect of DL–lactic acid on voluntary food intake in sheep (author's transl)] Bueno L. **Ann Rech Vet** 6(3):325–36, 1975 (Eng. Abstr.) **(Fre)**

[Ultrastructural localization of Mg++- and Ca++-activated adenosine triphosphatase spinal ganglia of the sheep and goat] Hummel G, et al. **Acta Anat (Basel)** 94(4):574–84, 1976 (Eng. Abstr.) **(Ger)**

[Parenteral administration of sorbitol solution and its impact on sorbitol, glucose, fructose and lactate concentration in the blood of cattle, sheep and piglets] Brenner KV, et al. **Arch Exp Veterinaermed** 30(1):109–19, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Variations of glucose, fructose, sorbite and electrolyte concentration following intravenous or intraperitoneal administration of sorbite–electrolyte solution to cattle and sheep] Kolb FE, et al. **Arch Exp Veterinaermed** 30(1):93–107, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Activities and properties of adenosine triphosphatase (ATPase) in homogenates of renal cortex, liver, myocardium and small–intestine mucosa in sheep] Wucherpfennig H, et al. **Arch Exp Veterinaermed** 30(1):1–16, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[The eructation mechanism in the sheep. III. The composition of the eructated rumen gases with various ration forming] Kölling K. **Zentralbl Veterinaermed [A]** 22(7):597–604, Sep 75 (Eng. Abstr.) **(Ger)**

[Studies on the storage and mobilization of magnesium in the organism] Meyer H, et al. **Zentralbl Veterinaermed [A]** 22(10):864–76, Dec 75 (Eng. Abstr.) **(Ger)**

[In vitro studies on amino acid uptake by liver and muscle cells in lambs] Scharrer E, et al. **Zentralbl Veterinaermed [A]** 23(2):121–30, Mar 76 (Eng. Abstr.) **(Ger)**

[Enzymes involved in digestion of lipids in sheep] Arienti G, et al. **Boll Soc Ital Biol Sper** 51(19):1311–7, 15 Oct 75 **(Ita)**

[Effect of potato starch on the level of volatile fatty acids and ammonia in sheep's rumen] Juśko–Grundboeck J, et al. **Pol Arch Weter** 18(1):97–105, 1975 (Eng. Abstr.) **(Pol)**

[Selenium content in the organs and tissues of sheep raised in the Nakhichevan ASSR] pp. 175–7. Akhmedov NM, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Effect of the ruminal amino nitrogen level on the nitrogen passage into the isolated rumen of sheep] Várady J, et al. **Vet Med (Praha)** 20(9):527–37, Sep 75 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Induction of lymphoid tumors in sheep with cell–free preparations of bovine leukemia virus. Van Der Maaten MJ, et al. **Bibl Haematol** (43):377–9, Oct 75

Influence of coprophagous arthropods on microorganisms in sheep feces—laboratory investigations. Breymeyer A, et al. **Bull Acad Pol Sci [Biol]** 23(4):257–62, 1975

The mycoplasmas of sheep and goats. pp. 357–62. Cottew GS. **In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.**

Viral replication and interferon production in fetal and adult ovine leukocytes and spleen cells. Rinaldo CR Jr, et al. **Infect Immun** 12(5):1070–7, Nov 75

Urease activity in the rumen of sheep and the isolation of ureolytic bacteria. Cook AR. **J Gen Microbiol** 92(1):32–48, Jan 76

Letter: R factor transfer in vivo in sheep with E. coli K12. Smith MG. **Nature** 261(5558):348, 27 May 76

Atypical mycoplasmas from sheep in Great Britain and Australia identified as Mycoplasma ovipneumoniae. Leach RH, et al. **Vet Rec** 98(19):377–9, 8 May 76

[Serologic typing of strains of Pasteurella haemolytica isolated from sheep] Dikova Ts. **Vet Med Nauki** 12(6):99–102, 1975 (Eng. Abstr.) **(Bul)**

[Sensitivity of cells of the transplanted sheep kidney line to foot–and–mouth disease virus] Serodzhev AT. **Veterinariia** (5):55–6, May 75 **(Rus)**

PARASITOLOGY

Micrometeorological factors involved in development and survival of free–living stages of the sheep nematodes Haemonchus contortus and Trichostrongylus colubriformis. A review. Levine ND, et al. **Int J Biometeorol** 19(3):174–83, Nov 75

Studies on the rumen flagellate Neocallimastix frontalis. Orpin CG. **J Gen Microbiol** 91(2):249–62, Dec 75

Development of the large American liver fluke, Fascioloides magna, in white–tailed deer, cattle, and sheep. Foreyt WJ, et al. **J Parasitol** 62(1):26–32, Feb 76

The effect of methionine hydroxyanalog supplementation of the diet on the concentration of ciliate protozoa in the rumen of sheep. de Vuyst A, et al. **Z Tierphysiol** 35(6):316–21, Oct 75

[Contributions to the life cycle of sarcosporidia. VII. Developmental stages of Sarcocystis ovicanus in sheep] Heydorn AO, et al. **Berl Munch Tieraerztl Wochenschr** 89(1):1–5, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Light and electron microscope studies on cysts of Sarcocystis ovicanis Heydorn et al. (1975) within muscle fibres of sheep (author's transl)] Mehlhorn H, et al. **Z Parasitenkd** 48(2):83–93, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Mineral content and enzyme activity of Cysticercus tenuicollis in sheep and swine] Enigk K, et al. **Zentralbl Veterinaermed [B]** 23(3):255–64, Apr 76 (Eng. Abstr.) **(Ger)**

[Development period of Dictyocaulus filaria (Rudolphi, 1809) in sheep] Jędreas A. **Wiad Parazytol** 22(2):111–4, 1976 (Eng. Abstr.) **(Pol)**

[Biology of Echinococcus granulosus in the body of sheep] Aminzhanov M. **Veterinariia** (7):68–70, Jul 76 **(Rus)**

[Testing insecticides in melophagiasis of sheep] Doszhanov TN, et al. **Veterinariia** (11):55–6, Nov 75 **(Rus)**

PHYSIOLOGY

The ventromedial nucleus of the hypothalamus of sheep (Ovis aries) and the effects on food and water intake following its electrolytic destruction. Tarttelin MF. **Acta Anat (Basel)** 94(2):248–61, 1976

Plasma insulin and growth hormone concentrations in pregnant sheep I: diurnal variations in mid– and late pregnancy. Hove K, et al. **Acta Endocrinol (Kbh)** 82(3):544–52, Jul 76

Incorporation of N from intravenously administered 15N labelled urea into the bacterial protein in the sheep. Kowalczyk J, et al. **Acta Physiol Pol** 26(3):307–12, May–Jun 75

Passage of the intravenously administered 15N urea into the digestive tract and its excretion in the sheep. Kowalczyk J, et al. **Acta Physiol Pol** 26(3):299–306, May–Jun 75

The role of catecholamines in stimulating the release of pituitary ovulating hormone(s) in sheep. Przekop F, et al. **Acta Physiol Pol** 26(4):433–7, Jul–Aug 75

Wool growth rate in relation to plasma catecholamine and serum total thyroxine concentrations in growing lambs. Reklewska B. **Acta Physiol Pol** 26(5):461–70, Sep–Oct 75

Changes in renal hemodynamics and sodium excretion during saline infusion in lambs. Aperia A, et al. **Acta Physiol Scand** 94(4):442–50, Aug 75

The endocrinologic changes of gestation and parturition in the sheep. Cox RI. **Adv Vet Sci Comp Med** 19:287–305, 1975 (92 ref.)

Electrical activity of the ovine jejunum and changes due to disturbances. Ruckebusch Y, et al. **Am J Dig Dis** 20(11):1027–34, Nov 75

Periovulatory changes in ovarian temperature in ewes. Benoit HJ, et al. **Am J Obstet Gynecol** 124(4):356–60, 15 Feb 76

Effects of estrogens on systemic and regional circulations in normal and renal hypertensive sheep. Nuwayhid B, et al. **Am J Obstet Gynecol** 123(5):495–504, 1 Nov 75

Effects of epinephrine on distribution of blood flow in the pregnant ewe. Rosenfeld CR, et al. **Am J Obstet Gynecol** 124(2):156–63, 15 Jan 76

Age–dependent mechanical and biochemical responses to glucagon. Ahumada G, et al. **Am J Physiol** 230(6):1590–3, Jun 76

Insulin and jejunal electrical activity in dogs and sheep. Bueno L, et al. **Am J Physiol** 230(6):1538–44, Jun 76

Major and collateral components of blood flow to pregnant sheep uterus. Fuller EO, et al. **Am J Physiol** 229(2):279–85, Aug 75

Distribution of fetal cardiac output: importance of pacemaker location. Pitlick PT, et al. **Am J Physiol** 231(1):204–8, Jul 76

Absence of fetal placental waterfall phenomenon in chronically prepared fetal lambs. Thornburg KL, et al. **Am J Physiol** 230(4):886–92, Apr 76

Lung lymph and free interstitial fluid protein composition in sheep with edema. Vreim CR, et al. **Am J Physiol** 230(6):1650–3, Jun 76

Cyclic ultrastructural changes in ewe uterine tube (oviduct) infundibular epithelium. Nayak RK, et al. **Am J Vet Res** 37(8):923–33, Aug 76

Cardiopulmonary effects of mechanical distension of the rumen in nonanesthetized sheep. Ungerer T, et al. **Am J Vet Res** 37(7):807–10, Jul 76

Transferrin polymorphism in Herdwick sheep. Collis SC, et al. **Anim Blood Groups Biochem Genet** 6(2):117–20, 1975

Changes in the jugular haematocrit of sheep during feeding. Dooley PC, et al. **Aust J Biol Sci** 28(1):43–53, Feb 75

Artificial induction of lactation in ewes: the relative importance of oxytocin and the milking stimulus. Fulkerson WJ, et al. **Aust J Biol Sci** 28(5–6):521–4, Dec 75

Artificial induction of lactation in ewes: the role of prolactin. Fulkerson WJ, et al. **Aust J Biol Sci** 28(5–6):525–30, Dec 75

Rates of passage of digesta and water absorption along the larg intestines of sheep, cows and pigs. Hecker JF, et al. **Aust J Biol Sci** 28(2):161–7, Apr 75

Effects of egg yolk, glycerol and the freezing rate on the viability and acrosomal structures of frozen ram spermatozoa. Watson PF, et al. **Aust J Biol Sci** 28(2):153–9, Apr 75

The influence of some fractions of egg yolk on the survival of ram spermatozoa at 5 degrees C. Watson PF, et al. **Aust J Biol Sci** 28(2):145–52, Apr 75

Wastage of ova in young Merino ewes. de Blockey MA, et al. **Aust Vet J** 51(6):298–302, Jun 75

The diagnosis of pregnancy in sheep by abdominal palpation. Pratt MS, et al. **Aust Vet J** 51(8):378–80, Aug 75

Pressure volume curves of lamb lungs and the lecithin–sphingomyelin ratios of lung fluid. Egberts J, et al. **Biol Neonate** 27(3–4):208–20, 1975

Morphology of the regressing corpus luteum in the ewe. Gemmell RT, et al. **Biol Reprod** 14(3):270–9, Apr 76

Hormonal control of changes in the direction of uterine contractions in the estrous ewe. Hawk HW. **Biol Reprod** 12(3):423–30, Apr 75

Morphology of the corpus luteum in the sheep during regression induced by prostaglandin F2ALPHA. Stacy BD, et al. **Biol Reprod** 14(3):280–91, Apr 76

The effect of cold exposure of sheep on digestion, rumen turnover time and efficiency of microbial synthesis. Kennedy PM, et al. **Br J Nutr** 36(2):231–42, Sep 76

Rates of production of methane in the rumen and large intestine of sheep. Murray RM, et al. **Br J Nutr** 36(1):1–14, Jul 76

Fertilizer calcium as a factor affecting the voluntary intake, digestibility and retention time of pangola grass (Digitaria decumbens) by sheep. Rees MC, et al. **Br J Nutr** 36(2):179–87, Sep 76

The site of magnesium absorption from the ruminant stomach. Tomas FM, et al. **Br J Nutr** 36(1):37–45, Jul 76

Luteinizing hormone, progesterone and the morphological development of normal and superovulated corpora lutea in sheep. McClellan MC, et al. **Cell Tissue Res** 164(3):291–307, 10 Dec 75

Measurement of the reflectances for solar radiation of the coats of live animals. Hutchinson JC, et al. **Comp Biochem Physiol [A]** 52(2):343–9, 1 Oct 75

Iterative computation of metabolic flux and stoichiometric parameters for alternate pathways in rumen fermentation. Koong LJ, et al. **Comput Programs Biomed** 4(4):209–13, Aug 75

A model of heat flow in the sheep exposed to high levels of solar radiation. Vera RR, et al. **Comput Programs Biomed** 4(4):214–8, Aug 75

Studies on growth hormone secretion. VII. Effects of somatostatin on plasma GH, insulin, and glucagon in sheep. Bryce D, et al. **Diabetes** 24(9):842–50, Sep 75

Ewe luteal function influenced by pulsatile administration of synthetic LHRH/FSHRH. Adams TE, et al. **Endocrinology** 97(6):1460–7, Dec 75

Effects of adrenergic drugs on sheep oviduct motility. Ruckebusch Y, et al. **Eur J Pharmacol** 33(1):193–6, Aug 75

[Influence of barley on the fermentations in the rumen of sheep (author's transl)] De Vuyst A, et al. **Folia Vet Lat** 4(3):426–36, Jul–Sep 74 **(Eng, Fre)**

Regulation of gonadotropins during fetal and early postnatal development in the sheep. pp. 143–55. Foster DL. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

Sexual differentiation of the brain of the sheep. pp. 121–42. Short RV. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

'Rhythms' in neuroendocrine functions. pp. 65–78. Short RV. **In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.**

Type A spermatogonia in the ram. pp. 13–9. Hochereau–de Reviers MT, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger,**

1976. W3 IN887K 1975s.

Preliminary experience with endoscopy in the experimental pregnant animal. pp. 179–81. Morris JA, et al.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

Adrenocorticotrophin and vasopressin in foetal sheep and the response to stress. pp. 112–25. Alexander DP, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Studies in steroid synthesis and secretion with the autotransplanted sheep ovary and adrenal. pp. 5–16. Baird DT, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Foetal cortisol production and parturition in the sheep. pp. 141–52. Comline RS, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

How does the corpus luteum of the sheep know that there is an embryo in the uterus? pp. 2–4. Denamur R, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971. (31 ref.)

Myometrial studies in the pregnant sheep. pp. 153–62. Hindson JC, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Influence of dietary energy and protein on reproductive performance of Finn-cross ewe lambs. Christenson RK, et al. **J Anim Sci** 42(2):448–54, Feb 76

Inhibition of ovine prolactin and thyrotropin responses to thyrotropin-releasing hormone by triiodothyronine. Davis SL, et al. **J Anim Sci** 42(2):422–6, Feb 76

Ovarian and pituitary hormones in blood of progestogen-treated ewes. Echternkamp SE, et al. **J Anim Sci** 42(4):893–900, Apr 76

Plasma LH concentrations for prepubertal, postpubertal, anestrous and cyclic ewes of varying fecundity. Echternkamp SE, et al. **J Anim Sci** 42(2):444–7, Feb 76

Dietary thyroprotein influence on lamb performance and blood constituents. Ely DG, et al. **J Anim Sci** 42(5):1309–15, May 76

Effects of estradiol-17beta and progesterone on prostaglandins F in sheep uteri and uterine venous plasma. Ford SP, et al. **J Anim Sci** 41(5):1407–13, Nov 75

Digestive responses of sheep to auditory stimuli. Harbers LH, et al. **J Anim Sci** 41(2):654–8, Aug 75

Enhancement by exogenous estradiol of uterine motility in estrous ewes. Hawk HW. **J Anim Sci** 41(2):572–7, Aug 75

Improvement of sperm transport by the administration of estradiol to estrous ewes. Hawk HW, et al. **J Anim Sci** 41(5):1400–6, Nov 75

Ovum fertilization and embryo survival in ewes treated with estradiol immediately prior to mating. Hawk HW, et al. **J Anim Sci** 42(3):677–80, Mar 76

Duodenal acidification: stimulus for the release of intestinal hormones in sheep. Horn GW, et al. **J Anim Sci** 41(4):1199–205, Oct 75

Effects of intrafollicular injections of prostaglandins in non-pregnant and pregnant ewes. Inskeep EK, et al. **J Anim Sci** 41(4):1098–104, Oct 75

Serum gonadotropin concentrations and ovarian response in ewes treated with analogs to LH-RH/FSH-RH. Kinder JE, et al. **J Anim Sci** 42(5):1220–6, May 76

A description of the dynamics of fetal growth in sheep. Koong LJ, et al. **J Anim Sci** 41(4):1065–8, Oct 75

Secretion of prostaglandin F2alpha in cycling and pregnant ewes. Nett TM, et al. **J Anim Sci** 42(4):876–80, Apr 76

Portal blood flow as measured by the Doppler shift technique in sheep fed chopped forages. Prewitt LR, et al. **J Anim Sci** 41(2):596–600, Aug 75

Ovarian follicular development in cows, sows and ewes in different stages of pregnancy as affected by number of corpora lutea in the same ovary. Rexroad CE Jr, et al. **J Anim Sci** 41(4):1090–7, Oct 75

Orientation of sheep fetuses in utero in relation to stage of pregnancy. Scanlon PF. **J Anim Sci** 42(5):1217–9, May 76

Mechanism of action of glucocorticoids in induction of ovine parturition: effect on placental steroid metabolism. Anderson AB, et al. **J Endocrinol** 66(1):61–70, Jul 75

Endocrine changes associated with luteal regression in the ewe; the secretion of ovarian oestradiol, progesterone and androstenedione and uterine prostaglandin F2alpha throughout the oestrous cycle. Baird DT, et al. **J Endocrinol** 69(2):275–86, May 76

Proceedings: Effects of duplicate injections of synthetic luteinizing hormone releasing hormone at various intervals on luteinizing hormone release in the anoestrous ewe. Crighton DB, et al. **J Endocrinol** 69(3):36P–37P, Jun 76

Proceedings: Effects of certain analogues of synthetic luteinizing hormone releasing hormone on luteinizing hormone release in the anoestrous ewe. Crighton DB. **J Endocrinol** 69(3):37P, Jun 76

Bilateral adrenalectomy of lambs in utero: effects on maternal hormone levels at induced parturition. Flint AP, et al. **J Endocrinol** 69(3):433–44, Jun 76

Leteinizing hormone and luteinizing hormone releasing hormone-like immunoreactivity in the jugular venous blood of sheep at various stages of the oestrous cycle. Foster JP, et al. **J Endocrinol** 68(3):409–17, Mar 76

Seasonal variation in the episodic secretion of luteinizing hormone and testosterone in the ram. Lincoln GA. **J Endocrinol** 69(2):213–26, May 76

Androstenedione and the control of luteinizing hormone in the ewe during anoestrus. Martensz ND, et al. **J Endocrinol** 69(2):227–37, May 76

Development of the sheep as an animal model to study placental lactogen physiology. Handwerger S, et al. **J Pediatr** 87(6 PT 2):1139–43, Dec 75

Uterine blood flow, oxygen uptake, and vascular resistance of pregnant sheep near term. Künzel W, et al. **J Perinat Med** 2(2):101–5, 1974

The contractile properties of slow muscle fibres in sheep extraocular muscle. Browne JS. **J Physiol (Lond)** 254(2):535–50, Jan 76

Proceedings: Reflex inhibition of parotid salivary secretion from the portal venous system of sheep. Carr DH. **J Physiol (Lond)** 251(1):15P–16P, Sep 75

Binocular visual mechanisms in cortical areas I and II of the sheep. Clarke PG, et al. **J Physiol (Lond)** 256(3):509–26, Apr 76

The cortical visual areas of the sheep. Clarke PG, et al. **J Physiol (Lond)** 256(3):497–508, Apr 76

Proceedings: Total and capillary blood flow through the testes of anaesthetized rams. Godinho HP, et al. **J Physiol (Lond)** 251(1):19P–20P, Sep 75

Proceedings Diaphragmatic and oesophageal electromyograms during regurgitation in sheep. Titchen DA. **J Physiol (Lond)** 258(1):35P–36P, Jun 76

Ovulation in ewes selected for fecundity: effect of synthetic Gn-RH injected on the day of oestrus. Bindon BM. **J Reprod Fertil** 44(2):325–8, Aug 75

Proceedings: Role of progesterone in regulating the length of the oestroud cycle in sheep. Bray AR, et al. **J Reprod Fertil** 46(2):522–3, Mar 76

Comparison of neutral proteinase activities in cock and ram spermatozoa and observations on a proacrosin in cock spermatozoa. Brown CR, et al. **J Reprod Fertil** 46(1):155–64, Jan 76

Capillary blood flow to ovarian follicles, stroma and corpora lutea of anaesthetized sheep. Bruce NW, et al. **J Reprod Fertil** 46(2):299–304, Mar 76

Further evidence of normal fertility and the formation of balanced gametes in sheep with one or more different Robertsonian translocations. Bruère AN. **J Reprod Fertil** 45(2):323–31, Nov 75

Proceedings: Induction of parturition in sheep with a single dose of oestradiol benzoate. Cahill LP, et al. **J Reprod Fertil** 46(2):528–9, Mar 76

Pregnancy-specific antigens in the sheep: application to the diagnosis of pregnancy. Cerini M, et al. **J Reprod Fertil** 46(1):65–9, Jan 76

The frequency of aneuploidy in the secondary spermatocytes of normal and Robertsonian translocation-carrying rams. Chapman HM, et al. **J Reprod Fertil** 45(2):333–42, Nov 75

Proceedings: Effect of oestradiol-17beta, progesterone and prostaglandin F-2alpha antiplasma on luteal function in the ewe. Fairclough RJ, et al. **J Reprod Fertil** 46(2):523–4, Mar 76

Proceedings: Predicting the number of corpora lutea in Merino ewes. Fowler DG. **J Reprod Fertil** 46(2):525, Mar 76

Repeatability of the duration of oestrus and breed differences in the relationship between druation of oestrus and ovulation rate of sheep. Hanrahan JP, et al. **J Reprod Fertil** 45(1):29–36, Oct 75

Seasonal variations in the response of the testis and LH levels to hemicastration of adult rams. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 46(1):203–9, Jan 76

Proceedings: The effect of Gn-RH on the LH response to oestradiol-17beta in the spayed ewe. Hooley RD, et al. **J Reprod Fertil** 46(2):497, Mar 76

Testis growth and plasma LH concentration following hemicastration and its relation with female prolificacy in sheep. Land RB, et al. **J Reprod Fertil** 45(3):495–501, Dec 75

Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH and testosterone levels. Lee VW, et al. **J Reprod Fertil** 46(1):1–6, Jan 76

Regulation of gonadotrophin secretion in rams from birth to sexual maturity. II. Response of the pituitary-testicular axis to LH-RH infusion. Lee VW, et al. **J Reprod Fertil** 46(1):7–11, Jan 76

Proceedings: Effects of lupin grain supplementation on ovulation rate and fertility of Merino ewes. Lightfoot RJ, et al. **J Reprod Fertil** 46(2):518, Mar 76

Secretion of LH in rams exposed to two different photoperiods. Lincoln GA. **J Reprod Fertil** 47(2):351–3, Jul 76

The sheep ovary: regulation of steroidogenic, haemodynamic and structural changes in the largest follicle and adjacent tissue before ovulation. Moor RM, et al. **J Reprod Fertil** 45(3):595–604, Dec 75 (34 ref.)

Cyclic activity of the pituitary prolactin cells and plasma prolactin levels in the oestrous cycle of the ewe. Polkowska J, et al. **J Reprod Fertil** 46(2):295–8, Mar 76

Proceedings: Effect of lupin grain, wheat and lucerne supplements on ovulation rate in maiden Border Leicester X Merino ewes. Reeve JL, et al. **J Reprod Fertil** 46(2):519–20, Mar 76

Proceedings: Effect of lupin grain supplementation on ovulation rate in Border Leicester X Merino ewes. Rizzoli DJ, et al. **J Reprod Fertil** 46(2):518–9, Mar 76

An electromyographic study of uterotubal activity in the ewe. Ruckebusch Y, et al. **J Reprod Fertil** 47(2):221–7, Jul 76

The oestrous cycle of the ewe after active immunization against prostaglandin F-2 alpha. Scaramuzzi RJ, et al. **J Reprod Fertil** 46(1):39–47, Jan 76

Effect of continuous infusion of gonadotrophin-releasing hormone in ewes at different times of the year. Shareha AM, et al. **J Reprod Fertil** 46(2):331–40, Mar 76

The effects of nutrition on the reproductive performance of Finn x Dorset ewes. I. Plasma progesterone and LH concentrations during late pregnancy. Shevah Y, et al. **J Reprod Fertil** 45(2):283–88, Nov 75

The effects of nutrition on the reproductive performance of Finn x Dorset ewes. II. Post-partum ovarian activity, conception and the plasma concentration of progesterone and LH. Shevah Y, et al. **J Reprod Fertil** 45(2):289–99, Nov 75

Increased utero-ovarian androstenedione production before parturition in sheep. Steele PA, et al. **J Reprod Fertil** 46(2):443–5, Mar 76

Proceedings: Inhibition of the oxidative metabolism of ram spermatozoa by alpha-chlorohydrin in vitro. White IG, et al. **J Reprod Fertil** 46(2):509, Mar 76

[Ovine septuplets] van Tonder EM. **J S Afr Vet Assoc** 57(2):145, Jun 76 **(Eng, Afr)**

A telemetry system for automatically recording copulation in sheep. Buckley DJ, et al. **Med Biol Eng** 12(6):837–42, Nov 74

The electrocardiogram of sheep, monitored by radiotelemetry, during electrical or carbon-dioxide stunning and subsequent slaughter. Leach TM, et al. **Med Biol Eng** 14(1@760310-760415-3):79–85, Jan 76

Effects of changing hemodynamics on the extra plasma space in the lungs of sheep. Brigham KL, et al. **Microvasc Res** 10(3):352–9, Nov 75

Letter: Observations on the breeding season of Romney ewes in Northland. Black H. **NZ Vet J** 22(11):225–6, Nov 74

Techniques and hazards of oestrus synchronization. Smith JF. **NZ Vet J** 24(4):65–9, Apr 76

Influences of chronic denervation of the carotid bifurcation regions on panting in the sheep. Hales JR, et al. **Pfluegers Arch** 360(3):243–53, 14 Nov 75

Influence of the presence of rams on the timing of ovulation and discharge of LH in ewes. Lindsay DR, et al. **Physiol Behav** 15(5):423–6, Oct 75

Changes of sodium appetite during the estrous cycle of sheep. Michell AR. **Physiol Behav** 14(2):223–6, Feb 75

An apparatus for the measurement and sampling of urine from grazing female sheep. Chambers AR, et al. **Proc Nutr Soc** 34(2):71A–72A, Sep 75

Rumen microbial population of lambs given mineral-supplemented diets. Latham MJ, et al. **Proc Nutr Soc** 34(3):113A, Dec 75

Corpus luteum function in the ewe: effect of PGF2alpha and prostaglandin synthetase inhibitors. Mellin TN, et al. **Prostaglandins** 12(2):303–17, Aug 76

Increased water drinking induced by sodium depletion in sheep. Abraham SF, et al. **Q J Exp Physiol** 61(3):185–92, Jul 76

The composition and flow of parotid saliva during acute hyperkalaemia in sodium-deficient sheep. Beal AM, et al. **Q J Exp Physiol** 60(4):315–23, Oct 75

Renal excretion of monovalent cations during functional adrenalectomy in conscious sheep. Foster JL, et al. **Q J Exp Physiol** 60(3):193–206, Jul 75

The effects of vagotomy on ventilation and blood gas composition in dog, sheep and rabbit. Kashani M, et al. **Q J Exp Physiol** 60(4):285–98, Oct 75

Response of the regional lymphatic system of the sheep to acute stress and adrenaline. Shannon AD, et al. **Q J Exp Physiol** 61(3):169–84, Jul 76

Dose of progesterone and allantoic fluid volume in conceptuses in ovariectomised goats. McGovern PT. **Res Vet Sci** 20(1):115–6, Jan 76

Plasma volume measurements in sheep using Evans' blue and continuous blood sampling. Mackie WS. **Res Vet Sci** 21(1):108–9, Jul 76

Some behavioural and physiological changes in pregnant goats and sheep during adaptation to laboratory conditions. Pearson RA, et al. **Res Vet Sci** 20(2):215–7, Mar 76

Effect of surgical stress on the distribution of placental blood flows. Rankin JH, et al. **Respir Physiol** 24(3):373–83, Sep 75

Studies on the livestock of southern Darfur, Sudan. III. Production traits in sheep. Wilson RT. **Trop Anim Health Prod** 8(2):103–14, May 76

Effect of frequent ejaculation on semen characteristics in rams. Jennings JJ, et al. **Vet Rec** 98(12):230–3, 20 Mar 76

Electrocardiogram of a big-horn sheep (Ovis canadensis). Rezakhani A, et al. **Vet Rec** 97(12):230–1, 20 Sep 75

Libido and fertility in rams in relation to plasma copper levels. Wiener G, et al. **Vet Rec** 98(6):115–6, 7 Feb 76

The depressional influence of ammonia on the level of blood amino acids in wethers and bulls. Kulasek G. **Zentralbl Veterinaermed [A]** 22(6):493–500, Aug 75

Effect of unilateral vasectomy, epididymectomy and epididymal ligation on the reproductive capacity of growing rams. Osman AM, et al. **Zentralbl Veterinaermed [A]** 23(05):373–83, Jul 76

[Effect of a ration with a varying amount of fat and protein

of plant and synthetic origin on some indices of ruminal content and of the blood in lactating sheep] Stoikov D, et al. **Vet Med Nauki** 12(10):59–64, 1975 (Eng. Abstr.) **(Bul)**

[Plasma progesterone of ewes at the end of the gestational period after destruction of the fetal hypophysis. Effect of dexamethasone administration] Bose M, et al. **C R Acad Sci [D] (Paris)** 281(9):559–62, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Lactogenic and serum prolactin-like activity of the ewe placenta during gestation] Djiane J, et al. **C R Acad Sci [D] (Paris)** 280(24):2785–8, 23 Jun 75 (Eng. Abstr.) **(Fre)**

[Effects of milking on plasma levels of somatotropic hormone in sheep and goats] Martal MJ, et al. **C R Acad Sci [D] (Paris)** 280(2):197–200, 13 Jan 75 (Eng. Abstr.) **(Fre)**

[Perinatal evolution of the sleep cycles in the lamb] Ruckebusch Y, et al. **C R Acad Sci [D] (Paris)** 282(9):871–4, 1 Mar 76 (Eng. Abstr.) **(Fre)**

[Energy equilibrium during sleep in ruminants] Toutain PL, et al. **C R Acad Sci [D] (Paris)** 281(21):1605–8, 24 Nov 75 (Eng. Abstr.) **(Fre)**

[Blood LH, testosterone and prolactin levels in male lambs] pp. 157–9. Courot M.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974. (Eng. Abstr.) **(Fre)**

[Plasma calcitonin levels and metabolic effects of porcine calcitonin in newborn lambs (author's transl)] Barlet JP, et al. **J Physiol (Paris)** 68(5):519–29, 1974 (Eng. Abstr.) **(Fre)**

[Djallonkbreed of sheep in Cameroon. Zootechnical potentials, conditions of breeding, and its future] Vallerand F, et al. **Rev Elev Med Vet Pays Trop** 28(4):523–45, 1975 (Eng. Abstr.) **(Fre)**

[The length of the postpartum anestrus and its influence in sheep. 1. The service interval] Matter HE. **Berl Munch Tieraerztl Wochenschr** 89(10):197–9, 15 May 76 (Eng. Abstr.) **(Ger)**

[The length of the postpartum anestrus and its influences in sheep. 2. The period of infertility] Matter HE. **Berl Munch Tieraerztl Wochenschr** 89(11):211–3, 1 Jun 76 (Eng. Abstr.) **(Ger)**

[Studies in sheep on the secretion and absorption of salivary phosphorus] Potthast V, et al. **Z Tierphysiol** 36(6):334–40, Apr 76 (Eng. Abstr.) **(Ger)**

[Studies on the eructation mechanism in sheep. IV. The influence of prolonged fasting on the composition of the eructated rumen gases volume per cent and the (pH) in the ruminoreticulum] Kölling K. **Zentralbl Veterinaermed [A]** 23(2):97–106, Mar 76 (Eng. Abstr.) **(Ger)**

[Preparation of rams for the mating season under summer pasturing conditions] Chistiakov IIa, et al. **Veterinariia** (9):87–8, Sep 75 **(Rus)**

[Expedient times for utilizing ewe lambs] Nikitin VIa, et al. **Veterinariia** (6):66–9, Jun 76 **(Rus)**

[Reproductive function in yearling and 2-year-old ewes] Nikitn VIa, et al. **Veterinariia** (2):71–4, Feb 76 **(Rus)**

[Amylolytic and proteolytic activity of the contents and juice of the small intestine] Skorodyns'kyi ZP, et al. **Fiziol Zh** 21(5):685–6, Sep–Oct 75 **(Ukr)**

SHEEP DISEASES

Enzootic calcinosis in sheep: clinical signs and pathology. Gill BS, et al. **Am J Vet Res** 37(5):545–52, May 76

Perosomus elumbis in sheep. Dennis SM. **Aust Vet J** 51(3):135–6, Mar 75

Clinical observations of sheep with focal symmetrical encephalomalacia. Gay CC, et al. **Aust Vet J** 51(5):266–9, May 75

Letter: balanitis and vulvo-vaginitis in sheep. Webb RF, et al. **Aust Vet J** 52(5):241–2, May 76

Some cases of infestation of sheep by arthrobod parasites; behavioural and histological observations. Sinclair AN. **Australas J Dermatol** 17(1):11–2, Apr 76

Brucella abortus infection in sheep. I. Field case. Shaw WB. **Br Vet J** 132(1):18–27, Jan–Feb 76

Ovine chlamydial abortion in Alberta. Chalmers GA, et al. **Can Vet J** 17(3):76–81, Mar 76

Maedi and visna in sheep. Pálsson PA. **Front Biol** 44:17–43, 1976

Dermatophilus infection in the United Kingdom. pp. 77–86. Hart CB.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Some observations on dermatophilus infection in The Gambia with particular reference to the disease in sheep. pp. 33–40. Macadam I.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Double infection of sheep and goats in Kenya with orf virus and dermatophilus. pp. 57–66. Munz E.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Investigations of the host specificity of gastro-intestinal nematodes of roe-deer, sheep, and cattle. pp. 615–8. Barth D, et al.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

On the helminth fauna of the moufflow (Vois aries musimon) compared with those of domestic sheep (Ovies aries dom.) and deer (Capreolus capreolus, Cervus elaphus) in the Netherlands. pp. 589–96. Jansen J.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Muscular cysticercosis from Taenia ovis in feedlot lambs. Jensen R, et al. **J Am Vet Med Assoc** 167(8):742–5, 15 Oct 75

Fatal hemolytic anemia attributed to leptospirosis in lambs. Smith BP, et al. **J Am Vet Med Assoc** 167(8):739–41, 15 Oct 75

Average daily gain and feed efficiency of lambs with low-level trichostrongylid burdens. Bergstrom RC, et al. **J Anim Sci** 41(2):513–6, Aug 75

Aspects of forced exercise and the therapy thereof in sheep. Gericke MD, et al. **J S Afr Vet Assoc** 46(4):353–7, Dec 75

Letter: Fescue poisoning in sheep. Simpson BH. **NZ Vet J** 23(8):182, Aug 75

An apparatus for the restraint of sheep during infestation with schistosomes. Van Wyk JA. **Onderstepoort J Vet Res** 42(2):75–6, Jun 75

The experimental infection of specific pathogen free lambs with Mycoplasma ovipneumoniae. Foggie A, et al. **Res Vet Sci** 21(1):28–35, Jul 76

Calcinosis in sheep associated with C-cell adenoma of the thyroid. Neumann F, et al. **Vet Med Small Anim Clin** 70(10):1209–12, Oct 75

Susceptibility of desert sheep to infection with Schistosoma mansoni of Northern Sudan. Adam SE, et al. **Vet Pathol** 13(3):211–5, 1976

Abortion in sheep and goats in Cyprus caused by Coxiella burneti. Crowther RW, et al. **Vet Rec** 99(2):29–30, 10 Jul 76

Letter: Mastitis in dry ewes. Gibson IR, et al. **Vet Rec** 98(25):511–2, 19 Jun 76

Coccidoisis of sheep: a review. Pout DD. **Vet Rec** 98(17):340–1, 24 Apr 76

Initial studies on 'six months disease' in sheep. Pyakural S, et al. **Vet Rec** 98(3):49–50, 17 Jan 76

An investigation into dystocia in a south country Cheviot flock. Whitelaw A, et al. **Vet Rec** 97(25–26):489–92, 20–27 Dec 75

Hypothyroidism in ruminants with special reference to foetal goitre. Wilson JG. **Vet Rec** 97(9):161–4, 30 Aug 75 (17 ref.)

[Clinical course of Haemonchus infection in experimental invasion in lambs] Georgieva D, et al. **Vet Med Nauki** 12(1):69–75, 1975 (Eng. Abstr.) **(Bul)**

[Electromyographic analysis of motor perturbations linked with gastrointestinal strongyloidiasis] Buéno L, et al. **C R Soc Biol (Paris)** 169(6):1627–32, 1975 (Eng. Abstr.) **(Fre)**

[Acute course of paramphistomiasis in cattle and small ruminants] Erbolatov KM. **Veterinariia** (5):78–9, May 75 **(Rus)**

[Loss and economic effectiveness of dehelminthization in dicroceliosis] Karpenko IG, et al. **Veterinariia** (12):65–7, Dec 75 **(Rus)**

[Radius of flight of Oestrus ovis] Semenov PV, et al. **Veterinariia** (8):58–9, Aug 75 **(Rus)**

[Economic effectiveness of measures in paramphistomiasis] Zharikov IS, et al. **Veterinariia** (2):58–60, Feb 76 **(Rus)**

BLOOD

Serum levels of progesterone, estradiol, and hydrocortisone in ewes after abortion due to Listeria monocytogenes type 5. Carter JL, et al. **Am J Vet Res** 37(9):1071–3, Sep 76

Changes in serum protein values of sheep infected with Fasciola gigantica. Kadhim JK. **Am J Vet Res** 37(2):229–31, Feb 76

Hormone studies on ewes grazing an oestrogenic (Yarloop clover) pasture during the reproductive cycle. Obst JM, et al. **Aust J Biol Sci** 28(3):279–90, Jun 75

Amino acid imbalance in the liquid-fed lamb. Rogers QR, et al. **Aust J Biol Sci** 28(2):169–81, Apr 75

Studies on ovine infertility in agricultural regions of western Australia: plasma progesterone levels of fertile and infertile ewes. Smith JF. **Aust J Biol Sci** 28(1):85–8, Feb 75

Mechanisms involved in ovine schistosomal anaemia. pp. 121–6. Preston JM, et al.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Influence of acute tissue injury on in vitro incorporation of Zn by sheep erythrocytes. Sasser LB, et al. **J Anim Sci** 41(6):1679–85, Dec 75

Proceedings: Hypergastrinaemia during a parasitic gastritis in sheep. Anderson N, et al. **J Physiol (Lond)** 256(1):51P–52P, Mar 76

A possible relationship between haemonchosis and haemoglobin polymorphism in Merino sheep in Kenya. Allonby EW. **Res Vet Sci** 20(2):212–4, Mar 76

Serum calcium fractions in sheep treated with Solanum malacoxylon. Bingley JB, et al. **Res Vet Sci** 21(1):121–2, Jul 76

The life span of glutathione-deficient red cells in Tasmanian Merino sheep. Tucker EM. **Res Vet Sci** 19(3):343–4, Nov 75

Serum proteins, blood and plasma volumes in experimental Trypanosoma vivax infections of sheep and goats. Anosa VO, et al. **Trop Anim Health Prod** 8(1):14–9, Feb 76

[Changes in the serum proteins in lambs experimentally infected with Haemonches contortus] Georgieva D, et al. **Vet Med Nauki** 12(9):61–5, 1975 (Eng. Abstr.) **(Bul)**

[Occurrence, diagnosis and course of chronic hepatitis in weaned lambs of a flock of Texel sheep (author's transl)] Wensvoort P, et al. **Tijdschr Diergeneeskd** 100(16):865–74, 15 Aug 75 (Eng. Abstr.) **(Dut)**

[Copper levels in serum of ovines] de Camargo WV, et al. **Arq Inst Biol (Sao Paulo)** 38(4):227–30, Oct–Dec 71 (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Pathologic changes in endocrine glands and certain other tissues of lambs implanted with the synthetic growth promotant zeranol. Rothenbacher H, et al. **Am J Vet Res** 36(9):1313–7, Sep 75

Effect of mercuric chloride on the structure and function of the kidney of sheep. Robinson M, et al. **J Comp Pathol** 86(2):307–18, Apr 76

Chronic fluoride poisoning in sheep. Zumpt I. **J S Afr Vet Assoc** 46(2):161–3, Jun 75

Cervical scoliosis and kidney lesions in sheep following dosage with vitamin D. Clegg FG, et al. **Vet Rec** 98(8):144–6, 21 Feb 76

[Changes in the body of sheep with chronic trolen poisoning] Gladenko IN, et al. **Veterinariia** (10):101–2, Oct 75 **(Rus)**

COMPLICATIONS

[Study of the outcome of pregnancy in sheep with positive serologic reactions to toxoplasmosis according to the complement fixation test] Donev A. **Vet Med Nauki** 12(1):64–8, 1975 (Eng. Abstr.) **(Bul)**

DIAGNOSIS

Comparative studies on the laboratory diagnosis of experimental Trypanosoma congolense infection in sheep. Kobayashi A, et al. **Ann Trop Med Parasitol** 70(1):53–8, Mar 76

Application of the indirect fluorescent antibody test for diagnosis of Theileria hirci infection of sheep: using cell culture schizont antigen. Hawa N, et al. **Trop Anim Health Prod** 8(2):97–101, May 76

[Comparative diagnostic studies of epididymitis in rams caused by Brucella ovis] Bakurdzhiev K, et al. **Vet Med Nauki** 13(2):78–82, 1976 (Eng. Abstr.) **(Bul)**

[Fluorescent microscopy in the diagnosis of Dictyocaulus infection in sheep] Denev I, et al. **Vet Med Nauki** 12(1):97–100, 1975 (Eng. Abstr.) **(Bul)**

[A new allergen for the determination of ovine brucellosis] Menasse I, et al. **Dev Biol Stand** 31:171–7, 1976 (Eng. Abstr.) **(Fre)**

[Serologic diagnosis of bovine and ovine brucellosis by a buffered antigen test] Trap D, et al. **Dev Biol Stand** 31:136–40, 1976 (Eng. Abstr.) **(Fre)**

[Scab of sheep] Coring J. **Dtsch Tieraerztl Wochenschr** 82(12):491–2, 5 Dec 75 **(Ger)**

[Fluorescent method of diagnosis of hoof rot in sheep] Arkhangel'skii II, et al. **Veterinariia** (2):102, Feb 76 **(Rus)**

[Diagnosis and treatment of sheep foot rot] Arkhangel'skii II, et al. **Veterinariia** (6):51–3, Jun 76 **(Rus)**

[Express method for the diagnosis of ovine salmonellosis] Arkhangel'skii II, et al. **Veterinariia** (4):108–9, Apr 76 **(Rus)**

[Chlamydial abortion in sheep and goats] Karavaev IuD. **Veterinariia** (6):96–7, Jun 76 **(Rus)**

[Obtaining hyperimmune serum for the diagnosis of enzootic ovine abortion] Khamadaev RKh, et al. **Veterinariia** (10):36–8, Oct 75 **(Rus)**

[Diagnosis of monieziasis in sheep] Kotel'nikov GA, et al. **Veterinariia** (7):70–1, Jul 76 **(Rus)**

DRUG THERAPY

Anthelmintic activity of mebendazole against naturally acquired gastrointestinal nematodes in sheep. Varga I, et al. **Acta Vet Acad Sci Hung** 25(1):105–11, 1975

Coccidiostatic action of monensin fed to lambs: body weight gains and feed conversion efficacy. Bergstrom RC, et al. **Am J Vet Res** 37(1):79–81, Jan 76

Efficacy of Fenbendazole against gastrointestinal parasites of sheep. Kennedy TJ, et al. **Am J Vet Res** 36(10):1465–7, Oct 75

Effect of monensin on experimental infections of Eimeria ninakohlyakimovae in lambs. Leek RG, et al. **Am J Vet Res** 37(3):339–41, Mar 76

Anthelmintic efficiency related to strategic control schemes for helminthiasis in sheep. Anderson N, et al. **Aust Vet J** 51(2):67–70, Feb 75

An economic analysis of two schemes for the anthelmintic control of helminthiasis in weaned lambs. Anderson N, et al. **Aust Vet J** 52(4):174–80, Apr 76

The efficiency of clioxanide and rafoxanide against Fasciola hepatica in sheep by different routes of administration. Campbell NJ, et al. **Aust Vet J** 51(11):500–3, Nov 75

Selenium-responsive unthriftiness of young merino sheep in Central Victoria. McDonald JW. **Aust Vet J** 51(9):433–5, Sep 75

Biological effects of methoprene on the sheep bot fly. Prasert V, et al. **J Econ Entomol** 68(5):639–40, Oct 75

Efficacy of p-Toluoyl chloride phenylhydrazone against

gastrointestinal helminths in ovines. Folz SD, et al. **J Parasitol** 62(2):281–5, Apr 76

The resistance of a field strain of Haemonchus contortus to five benzimidazole anthelmintics in current use. Berger J. **J S Afr Vet Assoc** 46(4):369–72, Dec 75

The efficacy of cambendazole against cestode infestations in lambs. Horak IG, et al. **J S Afr Vet Assoc** 46(3):271–2, Sep 75

The anthelmintic efficacy of mebendazole against adult Fasciola hepatica and a concurrent mixed nematode infection in sheep. Kelly JD, et al. **NZ Vet J** 23(5):81–4, May 75

Control of ovine posthitis in merinos grazing improved pastures in the South Island high country. Scales GH, et al. **NZ Vet J** 23(5):78–80, May 75

The efficacy of thiabendazole against the arrested larvae of some Trichostrongylidae and Chabertia ovina in sheep. Connan RM. **Res Vet Sci** 20(1):13–5, Jan 76

The use of disophenol in studies of the pathogenicity of the arrested fourth-stage larvae of Haemonchus contortus in the sheep. Sinclair KB, et al. **Res Vet Sci** 19(2):232–4, Sep 75

The comparative efficacy of diamphenethide and rafoxanide against fasciola gigantica in sheep. Kadhim JK. **Tropenmed Parasitol** 26(2):201–4, Jun 75

Efficacy of levamisole against inhibited larvae of Ostertagia spp in sheep. Reid JF, et al. **Vet Rec** 98(21):426–7, 22 May 76

Letter: Dieldrin and sheep scab. Wood JC. **Vet Rec** 97(24):485, 13 Dec 75

[Experimental treatment of strongylosis of the digestive tract of sheep in tropical zones with morantel tartrate] Vassiliades G, et al. **Rev Elev Med Vet Pays Trop** 28(4):481–9, 1975 (Eng. Abstr.) **(Fre)**

[Phosphoric acid ester preparations used in cattle, swine and sheep with special reference to cholinesterase activity. 4. Use of phosphoric acid esters and their effect on acetylcholinesterase activity in sheep] Mieth K, et al. **Arch Exp Veterinaermed** 29(4):501–17, 1975 (Eng. Abstr.) **(Ger)**

[The effectiveness of fenbendazole, thiabendazole and tetramisole against gastrointestinal nematodes of ruminants] Chroust K, et al. **Dtsch Tieraerztl Wochenschr** 82(12):487–91, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Treatment of reproductive and birth disorders in female domestic animals using oxytocin] Ebert J. **Dtsch Tieraerztl Wochenschr** 83(2):74–8, 5 Feb 76 **(Ger)**

[Ranide-MSD and ranizole-MSD in the treatment of fasciolasis and gastrointestinal nematode infections in sheep] Romaniuk K, et al. **Wiad Parazytol** 22(2):177–84, 1976 (Eng. Abstr.) **(Pol)**

[Estrosis in sheep and measures against it] Bukshtynov VI, et al. **Veterinariia** (8):56–8, Aug 75 **(Rus)**

[Use of carbon tetrachloride with fish fats in fascioliasis of sheep] Gariev BG. **Veterinariia** (2):74–5, Feb 75 **(Rus)**

[Effectiveness of disalan and difenide in fascioliasis in sheep] Khitenkova LP, et al. **Veterinariia** (2):60–1, Feb 76 **(Rus)**

[Test of anthelmintics in dicroceliosis of sheep] Lukin AK, et al. **Veterinariia** (5):80–1, May 75 **(Rus)**

[Use of biokhinol in infectious agalactia of sheep and goats] Mamedova DG. **Veterinariia** (2):56–7, Feb 75 **(Rus)**

[Bitifen in fascioliasis and paramphistomiasis] Mereminskiĭ AI, et al. **Veterinariia** (7):57–8, Jul 75 **(Rus)**

[Anthelmintic effectiveness in trichostrongyloidiasis of sheep] Zhidkov AE, et al. **Veterinariia** (6):63–4, Jun 76 **(Rus)**

[Effect of fenbendazole (Panacur) in sheep naturally invaded by gastrointestinal and lung nemtaodes] Hovorka J, et al. **Vet Med (Praha)** 20(7):391–7, Jul 75 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Creatine phosphokinase in normal sheep and in sheep with nutritional muscular dystrophy. Boyd JW. **J Comp Pathol** 86(1):23–8, Jan 76

Cytochromes in brain mitochondria from lambs with enzootic ataxia. Smith RM, et al. **J Neurochem** 26(6):1145–8, Jun 76

The effect of mercuric chloride intoxication on urinary psi-glutamyl transpeptidase excretion in the sheep. Shaw FD. **Res Vet Sci** 20(2):226–8, Mar 76

Role of pentose-phosphate pathway in haemolytic crisis of chronic copper toxicity of sheep. Thompson RH, et al. **Res Vet Sci** 20(3):257–60, May 76

[A cytochemical study of leukocyte alkaline phosphatase in sheep with experimental liver damage] Goranov Kh, et al. **Vet Med Nauki** 11(9):25, 1974 (Eng. Abstr.) **(Bul)**

[Serum enzyme studies on lambs aged 10–30 days—contribution to the prevention of enzootic muscular dystrophy] Bostedt H. **Berl Munch Tieraerztl Wochenschr** 89(9):169–74, 1 May 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Enzootic calcinosis in sheep: soil-plant-animal relationship. Singh G, et al. **Am J Vet Res** 37(5):553–6, May 76

The infection of merino sheep with bovine ephemeral fever virus. Hall WT, et al. **Aust Vet J** 51(7):344–6, Jul 75

Listeria as a cause of abortion and neonatal mortality in sheep. Hughes KL. **Aust Vet J** 51(2):97–9, Feb 75

Letter: Akabane disease: epizootic abortion, premature birth, stillbirth and congenital arthrogryposis-hydranencephaly in cattle, sheep and goats caused by Akabane virus. Inaba Y, et al. **Aust Vet J** 51(12):584–5, Dec 75

Letter: Toxicity to livestock of the blue-green algae Anabaena circinalis. McBarron EJ, et al. **Aust Vet J** 51(12):587–8, Dec 75

Letter: Congenital abnormalities in foetal lambs after inoculation of pregnant ewes with Akabane virus. Parsonson IM, et al. **Aust Vet J** 51(12):585–6, Dec 75

Letter: Host specificity of Sarcocystis SPP in sheep and cattle. Rickard MD, et al. **Aust Vet J** 52(1):48, Jan 76

Experimental production of osteoporosis in growing lambs by continuous dosing with Trichostrongylus colubriformis larvae. Sykes AR, et al. **J Comp Pathol** 85(4):549–59, Oct 75

Studies on the pathogenicity of Cooperia curticei for sheep. Ahluwalia JS, et al. **NZ Vet J** 23(9):197–9, Sep 75

Letter: Experimental production of a staggers syndrome in ruminants by a tremorgenic Penicillium from soil. di Menna ME, et al. **NZ Vet J** 24(3):45–6, Mar 76

Hairy shaker disease: preliminary studies on the nature of the agent, and the induced serological response. Durham PJ, et al. **NZ Vet J** 23(10):236–40, Oct 75

Studies on schistosomiasis. 7. A comparison of various methods for the infestation of sheep with Schistosoma mattheei. Van Wyk JA, et al. **Onderstepoort J Vet Res** 42(2):71–4, Jun 75

Cervical mucus changes in infertile ewes previously exposed to oestrogenic subterranean clover. Adams NR. **Res Vet Sci** 21(1):59–63, Jul 76

Attempted infection of sheep with Echinococcus granulosus equinus. Hatch C, et al. **Res Vet Sci** 19(3):340, Nov 75

Neonatal ataxia of cooper deficiency in lambs in the Sudan. Idris OF, et al. **Trop Anim Health Prod** 8(1):12, Feb 76

The common diarrhoeas of sheep in Britain. Reid JF. **Vet Rec** 98(25):496–9, 19 Jun 76

Letter: 'Rye grass staggers'. Russell CA. **Vet Rec** 97(15):295, 11 Oct 75

[Clinical and epizootiological aspects of bovine, caprine, and ovine brucellosis in Greece] Karvounaris PA. **Dev Biol Stand** 31:254–64, 1976 (Eng. Abstr.) **(Fre)**

[Enzootic calcinosis in cattle. VIII. Studies on the possible significance of sunlight (UV-rays) for the etiology of calcinosis as well as of the calcinogenic activity of dried yellow oat grass (Trisetum flavescens L.P.B.)] Dirksen G, et al. **Dtsch Tieraerztl Wochenschr** 82(10):387–90, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Enzootic calcinosis in cattle. IX. Effect of fertilizer on the pathogenic effect of 'calcinosis pastures'] Plank P, et al. **Dtsch Tieraerztl Wochenschr** 83(4):159–61, 5 Apr 76 (Eng. Abstr.) **(Ger)**

[Spinal ataxia in the horse] Hesselholt M. **Tieraerztl Prax** 2(4):409–17, 1974 **(Ger)**

[Studies on the etiology of anaerobic infections in cattle and sheep in Latin America. 2. Biochemical studies and interpretation of results] Seifert HS. **Zentralbl Veterinaermed [B]** 22(3):177–95, Apr 75 (26 ref.) (Eng. Abstr.) **(Ger)**

[Feed-related urea poisoning in ruminants. a survey (author's transl)] Froslie A. **Nord Vet Med** 28(1):40–50, Jan 76 (Eng. Abstr.) **(Nor)**

[Experimental study of the pathogenesis of tick-borne encephalitis] Votiakov VI, et al. **Vopr Virusol** (3):313–7, May-Jun 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Animal model of human disease: inherited erythrocyte glutathione deficiency. Smith JE. **Am J Pathol** 82(01):233–5, Jan 76

Cheilognathoschisis in Texel sheep. Hoekstra P, et al. **Tijdschr Diergeneeskd** 101(2):71–6, 15 Jan 76

HISTORY

Letter: Multiceps multiceps in early South Australian flocks. Smith WS. **Aust Vet J** 51(6):327, Jun 75

IMMUNOLOGY

Immunoglobulins, antibodies and inhibitors of parainfluenza 3 virus in respiratory secretions of sheep. Smith WD, et al. **Arch Virol** 49(4):329–37, 1975

Haemonchus contortus infection in ewes: blastogenic responses of peripheral blood leukocytes to third stage larval antigen. Chen P, et al. **Int J Parasitol** 6(2):135–41, Apr 76

Immunisation of sheep against Schistosoma mattheei using either irradiated cercariae or irradiated schistosomula. Taylor MG, et al. **J Helminthol** 50(1):1–9, Mar 76

Immunity in foot-rot infection. Moriarty KM, et al. **NZ Vet J** 24(1-2):9–10, Jan-Feb 76

Studies on Haemonchus contortus. I. The influence of previous exposure to Trichostrongylus axei on infestation with H. contortus. Reinecke RK. **Onderstepoort J Vet Res** 41(4):213–5, Dec 74

Observations on crystals found in the intestine of Nematodirus battus during the development of immunity to this nematode in lambs. Martin J, et al. **Parasitology** 72(1):75–80, Feb 76

The role of colostrum in glomerulonephritis of Finnish Landrace lambs: effect of cross-fostering newly born Finnish Landrace and Cheviot lambs. Angus KW, et al. **Res Vet Sci** 19(2):222–4, Sep 75

Preliminary results using metabolites and in vitro grown larvae of Ostertagia circumcincta to immunise lambs against oral challenge. Rose JH. **Res Vet Sci** 21(1):76–8, Jul 76

The resistance of sheep to Fasciola hepatica: studies on the pathophysiology of challenge infections. Sinclair KB. **Res Vet Sci** 19(3):296–303, Nov 75

Immunosuppression in ovine trypanosomiasis. Mackenzie PK, et al. **Vet Rec** 97(23):452–3, 6 Dec 75

[A new allergen for the determination of ovine brucellosis] Menasse I, et al. **Dev Biol Stand** 31:171–7, 1976 (Eng. Abstr.) **(Fre)**

[The serum gamma-globulin picture in leucosis of cattle and sheep] Matthaeus W, et al. **Zentralbl Veterinaermed [B]** 22(9):758–63, Nov 75 (Eng. Abstr.) **(Ger)**

[Studies on leukosis specific antibodies in sera of leukotic cattle and sheep by immuno- and countercurrent electrophoresis] Matthaeus W, et al. **Zentralbl Veterinaermed [B]** 22(7):606–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Comparative detection of fluorescent and complement-fixing antibodies in ovine enzootic abortion] Pankratova VN, et al. **Veterinariia** (4):52–3, Apr 76 **(Rus)**

METABOLISM

A comparison of the uptake of [75Se]selenite, [75Se]selenomethionine and [35S]methionine by tissues of ewes and lambs. Fuss CN, et al. **Aust J Biol Sci** 28(3):239–49, Jun 75

Biochemical aspects of cobalt deficiency in sheep with special reference to vitamin status and a possible involvement in the aetiology of cerebrocortical necrosis. MacPherson A, et al. **Br Vet J** 132(3):294–308, May-Jun 76

28Mg kinetics in ewes fed normal or tetany prone grass. Larvor P. **Cornell Vet** 66(3):413–29, Jul 76

Preliminary studies on albumin metabolism in Ethiopian sheep infected with Schistosoma bovis. pp. 115–20. Holmes PH, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Copper metabolism in experimental Border disease. Barlow RM, et al. **Vet Rec** 98(5):86–8, 31 Jan 76

Significance of serum pepsinogen and abomasal pH levels in a field infection of O circumcincta in lambs. Thomas RJ, et al. **Vet Rec** 97(24):468–71, 13 Dec 75

[Studying the immobility of sheep in the perinatal period] Bostedt H. **Berl Munch Tieraerztl Wochenschr** 89(8):156–61, 15 Apr 76 (Eng. Abstr.) **(Ger)**

[Genesis and biochemistry of rumen acidosis. 3. Metabolic dynamics of D(-) and L(+) lactic acid following administration of sugars and overfeeding with starch] Giesecke D, et al. **Zentralbl Veterinaermed [A]** 23(05):353–63, Jul 76 (Eng. Abstr.) **(Ger)**

[Hypocobaltosis in sheep] Movsum-Zade KK, et al. **Veterinariia** (11):74–6, Nov 75 **(Rus)**

MICROBIOLOGY

Experimental infection of lambs with an adenovirus isolated from sheep and related to bovine adenovirus type 2. I. Virological studies. Belák S, et al. **Acta Vet Acad Sci Hung** 25(1):91–5, 1975

Isolation of Mycoplasma ovipneumoniae from sheep with pneumonia. Stipkovits L, et al. **Acta Vet Acad Sci Hung** 25(2–3):267–73, 1975

Mycoplasma ovipneumoniae demonstrated in Icelandic sheep. Friis NF, et al. **Acta Vet Scand** 17(2):255–7, 1976

Urogenital infection and seminal excretion after inoculation of bulls and rams with chlamydiae. Storz J, et al. **Am J Vet Res** 37(5):517–20, May 76

Comparative studies on ovine and bovine C-type particles. Paulsen J, et al. **Bibl Haematol** (43):190–2, Oct 75

An electron microscope study of Bacteroides nodusus: ultrastructure of organisms from primary isolates and different colony types. Short JA, et al. **J Appl Bacteriol** 40(3):311–5, Jun 76

A simplified method for the isolation of Bacteroides nodusus from ovine foot-rot and studies on its colony morphology and serology. Thorley CM. **J Appl Bacteriol** 40(3):301–9, Jun 76

Pathogenesis of bovine petechial fever. Latent infections, immunity, and tissue distribution of Cytocetes ondiri. Snodgrass DR. **J Comp Pathol** 85(4):523–30, Oct 75

Experiments in Border disease. VIII. Propagation and properties of a cytopathic virus. Vantsis JT, et al. **J Comp Pathol** 86(1):111–20, Jan 76

The bacterial flora of the respiratory tract of normal and pneumonic sheep. Alley MR. **NZ Vet J** 23(6):113–8, Jun 75

The prevalence of Mycoplasma ovipneumoniae and Mycoplasma arginini in the respiratory tract of sheep. Alley MR, et al. **NZ Vet J** 23(7):137–41, Jul 75

An outbreak of ringworm in karakul sheep caused by a physiological variant of Trichophyton verrucosum Bodin. Scott DB. **Onderstepoort J Vet Res** 42(1):49–52, Mar 75

Isolation of Mycoplasma ovipneumoniae from sheep with chronic pneumonia. Staint George TD, et al. **Vet Rec** 97(11):205–6, 13 Sep 75

Adenovirus infection in lambs. I. Epizootiology of the disease. Belák S, et al. **Zentralbl Veterinaermed [B]** 23(4):320–30, May 76

Isolation of mycoplasma conjunctivae from Chamois and sheep affected with kerato-conjunctivitis. Nicolet J, et al. **Zentralbl Veterinaermed [B]** 22(4):302–7, Jun 75

[Bacteriological and pathohistological studies of sheep experimentally infected with Listeria] Burdarov I, et al.

Vet Med Nauki 13(1):63–70, 1976 (Eng. Abstr.) (Bul)
[Serologic typing of strains of Pasteurella haemolytica isolated from sheep] Dikova Ts. Vet Med Nauki 12(6):99–102, 1975 (Eng. Abstr.) (Bul)
[The effect of ionizing radiation on the virulence of Babesia ovis (I)] Khalacheva M. Vet Med Nauki 11(9):77–83, 1974 (Eng. Abstr.) (Bul)
[Isolation of a virus from sheep and its classification as a new serotype of ovine adenoviruses] Bauer K, et al. Zentralbl Veterinaermed [B] 22(8):656–65, Oct 75 (Eng. Abstr.) (Ger)
[Anaerobic gastroenterotoxemia in lambs] Urban VP, et al. Veterinariia (10):51–3, Oct 75 (Rus)

MORTALITY

Infections associated with ovine perinatal mortality in Victoria. Broadbent DW. Aust Vet J 51(2):71–4, Feb 75
Perinatal lamb mortality in Western Australia: 5. Vibrionic infection. Dennis SM. Aust Vet J 51(1):11–3, Jan 75
Embryonic duplications in sheep. Dennis SM. Aust Vet J 51(2):83–7, Feb 75
Perinatal lamb mortality in Western Australia. 7. Congenital defects. Dennis SM. Aust Vet J 51(2):80–2, Feb 75
Zamia palm (Macrozamia reidlei) poisoning of sheep. Gabbedy BJ, et al. Aust Vet J 51(6):303–5, Jun 75
Factors in disease and mortality of lambs. Beck CC, et al. Vet Med Small Anim Clin 71(1):84–91, Jan 76

OCCURRENCE

Mass incidence of entropion in lambs. Zájer J, et al. Acta Vet Acad Sci Hung 24(4):437–41, 1974
A pathological and bacteriological abattoir survey of the reproductive tracts of merino ewes in Western Australia. Adams NR. Aust Vet J 51(7):351–4, Jul 75
Wimmera rye grass toxicity in Western Australia. Berry PH, et al. Aust Vet J 51(11):525–30, Nov 75
Wastage of ova in young Merino ewes. de Blockey MA, et al. Aust Vet J 51(6):298–302, Jun 75
Perinatal lamb mortality in Western Australia. 6. Listeric infection. Dennis SM. Aust Vet J 51(2):75–9, Feb 75
Congenital respiratory tract defects in lambs. Dennis SM. Aust Vet J 51(7):347–50, Jul 75
The incidence of dystocia in fine-wool Merino ewes. George JM. Aust Vet J 51(5):262–5, May 75
Letter: The occurrence of Eperythrozoon ovis in Queensland. Laws L, et al. Aust Vet J 52(5):243, May 76
Prevalence of toxoplasmosis in Tasmanian meat animals. Munday BL. Aust Vet J 51(6):315–6, Jun 75
The prevalence of sarcosporidiosis in Australian meat animals. Munday BL. Aust Vet J 51(10):478–80, Oct 75
The probable relationship of rainfall to Dermatophilus congolensis infection in sheep. pp. 87–96. Austwick PK.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.
Dermatophilus infection in cattle, goats and sheep in East Africa. pp. 49–56. Bwangamoi O.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.
Characteristics of a virus causing a pox disease in sheep and goats in Kenya, with observation on the epidemiology and control. Davies FG. J Hyg (Camb) 76(2):163–71, Apr 76
Studies on the epidemiology of Rift Valley Fever. Swanepoel R. J S Afr Vet Assoc 57(2):93–4, Jun 76
Influence of rainfall on lungworm infections in bighorn sheep. Forrester DJ, et al. J Wildl Dis 12(1):48–51, Jan 76
The epidemiology of Fasciola hepatica infections in sheep on a Lymnaea columella habitat in the Manawatu. Harris RE, et al. NZ Vet J 24(1–2):11–7, Jan–Feb 76
Seasonal incidence of enzootic pneumonia and its effect on the growth of lambs. Kirton AH, et al. NZ Vet J 24(4):59–64, Apr 76
Letter: Serological evidence for infection of sheep with Leptospira interrogans serotype hardjo. Ris DR. NZ Vet J 23(7):154, Jul 75
The prevalence of fleece derangement in some Australian and New Zealand flocks infested with the sheep itch mite, Psorergates ovis. Sinclair AN. NZ Vet J 23(4):57–8, Apr 75
Epidemiological studies on Nematodirus species in sheep. Boag B, et al. Res Vet Sci 19(3):263–8, Nov 75
Enzootic leucosis in a flock of sheep in Rhodesia. Boyt WP, et al. Vet Rec 98(6):112–5, 7 Feb 76
Letter: An anthrax outbreak. Dingle PJ. Vet Rec 97(17):339–40, 25 Oct 75
Liver fluke in Great Britain: a survey of affected livers. Froyd G. Vet Rec 97(25–26):492–5, 20–27 Dec 75
An outbreak of S typhimurium in sheep and its consequences. Hunter AG, et al. Vet Rec 98(7):126–30, 14 Feb 76
[Occurrence of Trichophyton verrucosum infections in Egypt, with suggestions for treatment using griseofulvin] Refai M, et al. Dtsch Tieraerztl Wochenschr 83(2):62–4, 5 Feb 76 (Eng. Abstr.) (Ger)
[Extent of monieziasis in large-herd farms] Kozakiewicz B. Wiad Parazytol 22(2):161–4, 1976 (Eng. Abstr.) (Pol)
[Epizootology of the sheep disease caused by Br. ovis] Glotov GN, et al. Veterinariia (7):50–2, Jul 75 (Rus)
[Influence of natural-economic factors and veterinary measures in listeriosis] Guslavskii II. Veterinariia (6):60–2, Jun 75 (Rus)
[Epizootiology and diagnosis of infectious epididymitis in rams] Stepanov EM, et al. Veterinariia (11):46–9, Nov 75 (Rus)

PARASITOLOGY

Effect of ovine hydatid cyst fluid on the cardiovascular and respiratory systems in sheep. Tabatabai M, et al. Ann Parasitol Hum Comp 50(1):7–15, Jan–Feb 75
The effect of mixed grazing of sheep and cattle on worm burdens in lambs. Arundel JH, et al. Aust Vet J 51(9):436–9, Sep 75
A comparison of worm burdens in grazing merino sheep and angora goats. Le Jambre LF, et al. Aust Vet J 52(4):181–3, Apr 76
Tissue myiasis in sheep caused by larvae of flies Lucilia cassar (L.) (Diptera, Caliphoridae). Minář J, et al. Folia Parasitol (Praha) 22(2):192, 1975
Effect of different levels of intake of Ostertagia circumcincta larvae on the faecal egg counts and weight gain of lambs. Gibson TE, et al. J Comp Pathol 86(2):269–74, Apr 76
Sheep ked populations on a small farm. Pfadt RE. J Econ Entomol 69(3):313–6, Jun 76
Fascioliasis of livestock and snail host for Fasciola in the Altiplano Region of Bolivia. Ueno H, et al. Natl Inst Anim Health Q (Tokyo) 15(2):61–7, Summer 75
The seasonal occurrence of inhibited abomasal nematodes in young sheep. McKenna PB. NZ Vet J 22(11):214–7, Nov 74
Letter: Population changes of the itch mite, Psorergates ovis, after shearing. Sinclair AN, et al. NZ Vet J 23(1–2):14, Jan–Feb 75
Experiments with defined multispecific coccidial infections in lambs. Catchpole J, et al. Parasitology 72(2):137–47, Apr 76
Observations on the development of Haemonchus contortus in young sheep given a single infection. Coadwell WJ, et al. Parasitology 71(3):505–15, Dec 75
Field studies on inhibition of Haemonchus contortus. Waller PJ, et al. Parasitology 71(2):285–91, Oct 75
The population dynamics of nematode parasites of sheep in northern England. Boag B, et al. Res Vet Sci 19(3):293–5, Nov 75
The effects of nitroxynil on the survival, growth and morphology of Fasciola hepatica in sheep. Stammers BM. Res Vet Sci 20(2):174–9, Mar 76
The developmental cycle of a species of Sarcocystis occurring in dogs and sheep, with observations on pathogenicity in the intermediate host. Munday BL, et al. Z Parasitenkd 46(2):111–23, 1975
[Dicrocoelium dendriticum in sheep in the Democratic Republic of Germany district of Frankfurt/Oder] Stuhrberg E, et al. Angew Parasitol 16(3):129–35, Sep 75 (Eng. Abstr.) (Ger)
[Ultrastructure of Babesia ovis in the erythrocytes of sheep] D'iakonov LP. Veterinariia (2):63–7, Feb 76 (Rus)
[Parasitocenosis in sheep] Vibe PP. Veterinariia (6):58–60, Jun 76 (Rus)
[Measures in ovine psoroptic mange] Vorozhishcheva LM, et al. Veterinariia (6):56–7, Jun 76 (Rus)
[Invasiveness of wintering larvae of Ostertagia] Zhidkov AE. Veterinariia (2):61–3, Feb 76 (Rus)

PATHOLOGY

Experimental infection of lambs with a sheep adenovirus isolate closely related to type-2 bovine adenovirus. II. Postmortem and histopathological examinations. Túry E, et al. Acta Vet Acad Sci Hung 25(2–3):171–84, 1975
Sequential sterile autolysis in the ovine fetus: macroscopic changes. Dillman RC, et al. Am J Vet Res 37(4):403–7, Apr 76
Observations on the pathology of bent leg of lambs in South-Western Queensland. Clark L, et al. Aust Vet J 51(1):4–10, Jan 75
Mandibulofacial defects in lambs from two flocks. Dennis SM. Aust Vet J 51(3):137–9, Mar 75
Congenital defects of the nervous system of lambs. Dennis SM. Aust Vet J 51(8):385–8, Aug 75
Seminal degeneration associated with chorioptic mange of the scrotum of rams. Rhodes AP. Aust Vet J 51(9):428–32, Sep 75
Squamous-cell carcinoma of the vulva in Merino sheep. Vandegraaff R. Aust Vet J 52(1):21–3, Jan 76
Pathology of lymphosarcoma in sheep induced with bovine leukemia virus. Olson C, et al. Cancer Res 36(7 PT 1):2365–73, Jul 76
The pathology of visna and maedi in sheep. Georgsson G, et al. Front Biol 44:61–96, 1976
Pathogenesis of visna: review and speculation. Nathanson N, et al. Front Biol 44:115–31, 1976
Pathological changes in the tissue of infertile ewes with clover disease. Adams NR. J Comp Pathol 86(1):29–35, Jan 76
Studies of lesions produced in the brains of colostrum deprived lambs by Clostridium welchii (Cl. perfringens) type D toxin. Buxton D, et al. J Comp Pathol 86(3):435–47, Jul 76
Pulmonary schistosomiasis in sheep and goats due to Schistosoma indicum in India. Sharma DN, et al. J Comp Pathol 86(3):449–54, Jul 76
Periarteritis in experimental Border disease of sheep. II. Morphology and histochemistry of the lesion. Zakarian B, et al. J Comp Pathol 86(3):477–87, Jul 76
Pathological studies on mucormycosis of the forestomach and abomasum in ruminants: a report on six cases complicated with candidiasis or pulmonary aspergillosis. Ohshima K, et al. Jpn J Vet Sci 38(03):269–80, Jun 76
Pathology of goats and sheep experimentally infected with Mycoplasma mycoides var. capri. Nakagawa M, et al. Natl Inst Anim Health Q (Tokyo) 16(2):65–77, Summer 76
Experimental Ostertagia infection of sheep: pathology following a single high dose of larvae. Durham PJ, et al. NZ Vet J 23(9):193–6, Sep 75
Blindness and encephalopathy caused by Helichrysum argyrosphaerum DC. (Compositae) in sheep and cattle. Basson PA, et al. Onderstepoort J Vet Res 42(4):135–47, Dec 75
A case of an invasive melanoma in a new-born lamb. Baker JR. Vet Rec 97(25–26):496–7, 20–27 Dec 75
[Morphologic changes in the skin of sheep and lambs following external exposure to Sr90] Iordanov I, et al. Vet Med Nauki 11(10):33–8, 1974 (Eng. Abstr.) (Bul)
[Border disease (hypomyelinogenesis congenita) in lambs in Switzerland] Cravero GC, et al. Schweiz Arch Tierheilkd 117(2):119–21, Feb 75 (Eng. Abstr.) (Ger)
[Another case of paratuberculosis in the sheep] Tontis A. Schweiz Arch Tierheilkd 117(11):631–2, Nov 75 (Eng. Abstr.) (Ger)
[Experimental subclinical lead poisoning in sheep. Enzymatic, chemical and morphologic studies] Fassbender CP, et al. Zentralbl Veterinaermed [A] 22(7):533–48, Sep 75 (Eng. Abstr.) (Ger)
[Pathomorphological changes in sheep in experimental enzootic abortion] Andriishin IuT. Veterinariia (8):72–6, Aug 75 (Rus)
[Pathomorphological changes in infectious mastitis in sheep] Zhamanov MB, et al. Veterinariia (6):73–5, Jun 76 (Rus)

PHYSIOPATHOLOGY

Oxalate (Halogeton) poisoning of sheep: certain physiopathologic changes. Littledike ET, et al. Am J Vet Res 37(6):661–6, Jun 76
The duration of the oestrous cycle of ewes affected with clover disease. Adams NR, et al. Aust Vet J 51(6):306–9, Jun 75
Experimental cretinism in lambs: an intrauterine model with thyroid evaluation in surviving lambs. Hollingsworth DR, et al. Johns Hopkins Med J 137(3):116–22, Sep 75
Effects of a series of infections of Ostertagia circumcincta on gastric secretion of sheep. Anderson N, et al. Parasitology 72(1):1–12, Feb 76
An additive effect of cold exposure and hypoxia on pulmonary artery pressure in sheep. Chauca D, et al. Res Vet Sci 21(1):123–4, Jul 76
Correspondence: Effect of liver fluke on wool production in Welsh mountain sheep. Edwards CM, et al. Vet Rec 98(18):372, 1 May 76
[Fusariotoxicosis sheep disease] Korotchenko NV. Veterinariia (11):78–9, Nov 75 (Rus)

PREVENTION & CONTROL

Relationship of pasture rotation to acquisition of gastrointestinal nematodes by sheep. Levine ND, et al. Am J Vet Res 36(10):1459–64, Oct 75
Ovine campylobacterosis: preliminary studies of the efficacy of the in vitro serum bactericidal test as an assay for the potency of Campylobacter (Vibrio) fetus subsp intestinalis bacterins. Williams CE, et al. Am J Vet Res 37(4):409–15, Apr 76
Letter: Prophylaxis of tetanus. Liefman CE. Aust Vet J 52(1):50–1, Jan 76
Vaccination of lambs against infection with Taenia ovis. Rickard MD, et al. Aust Vet J 52(5):209–14, May 76
Comparative ability of hybrid and homozygous resistant larvae of Lucilia cuprina to cause strikes under experimental conditions. Shanahan GJ, et al. Aust Vet J 51(6):320–1, Jun 75
Letter: Observations on breech strike in scouring sheep. Watts JE, et al. Aust Vet J 51(12):586–7, Dec 75
Control of ovine lupinosis: experiments on the use of fungicides. Wood PM, et al. Aust Vet J 51(8):381–4, Aug 75
Power dusting with organophosphorus insecticides to control the sheep ked. Pfadt RE, et al. J Econ Entomol 68(4):468–70, Aug 75
Effectivity of Rev 1 vaccine in rams against brucella ovis infection. Gradwell DV, et al. J S Afr Vet Assoc 46(4):349–51, Dec 75
Letter: Brucella ovis vaccination of rams. Quinlivan TD, et al. NZ Vet J 23(8):183, Aug 75
Letter: Constant replenishment of sheep dips. Wallace GV. NZ Vet J 23(7):155, Jul 75
Editorial: Keeping the flocks free from scab. Vet Rec 97(20):379–80, 15 Nov 75
Johne's disease in sheep in Cyprus. Crowther RW, et al. Vet Rec 98(23):463, 5 Jun 76
Effect of vaccination against foot rot in young sheep wintered in straw yards. Kerry JB, et al. Vet Rec 98(22):446–7, 29 May 76
Observations on the repeated treatment for fascioliasis of stock on a farm in south-west England. Whitehead JD. Vet Rec 98(1):5–9, 3 Jan 76
[Changes in the phagocytic activity of lambs immunized with D. filaria larvae irradiated with gamma rays] Denev I. Vet Med Nauki 11(10):9–12, 1974 (Eng. Abstr.) (Bul)
[Experience in immunizing guinea pigs and lambs with D.

filaria larvae irradiated with gamma rays] Denev I. **Vet Med Nauki** 11(9):7–12, 1974 (Eng. Abstr.) **(Bul)**

[Some forms of disease associated with impaired locomotion in sheep (author's transl)] Herweijer CH. **Tijdschr Diergeneeskd** 101(17):941–51, 1 Sep 76 (Eng. Abstr.) **(Dut)**

[Control and eradication of ovine and caprine brucellosis in Italy] Farina R, et al. **Dev Biol Stand** 31:358–61, 1976 (Eng. Abstr.) **(Fre)**

[Immunization of ewes against experimental Brucella melitensis infection: comparison of eleven vaccines] Gaumont R, et al. **Dev Biol Stand** 31:377–86, 1976 (Eng. Abstr.) **(Fre)**

[Mixed vaccine against bacterial anthrax and symptomatic anthrax] Blancou JM. **Rev Elev Med Vet Pays Trop** 27(2):183–7, 1974 (Eng. Abstr.) **(Fre)**

[Effectiveness of vaccination against Chlamydia abortion in sheep] Valder WA, et al. **Dtsch Tieraerztl Wochenschr** 82(6):221–5, 5 Jun 75 (Eng. Abstr.) **(Ger)**

[Pressing scientific tasks in the control of infectious sheep diseases] Alekhin RM, et al. **Veterinariia** (6):45–7, Jun 76 **(Rus)**

[Prevention of ketosis in sheep] Dakka A, et al. **Veterinariia** (4):84–7, Apr 75 **(Rus)**

[Prevention of helminthiasis in sheep in Kazakhstan] Dikov GI, et al. **Veterinariia** (9):22–7, Sep 75 **(Rus)**

[Immunomorphological changes in vaccination with the AUF Listeria strain] Idrisov GZ, et al. **Veterinariia** (2):37–40, Feb 75 **(Rus)**

[Experience with avitellinosis control in sheep] Il'ianok VI. **Veterinariia** (5):79–80, May 75 **(Rus)**

[Combined vaccination of sheep against anthrax, pox and anaerobic infections] Kadymov RA. **Veterinariia** (2):50–2, Feb 75 **(Rus)**

[Combined vaccination of sheep against pasteurellosis and anaerobic infections] Kadymov RA, et al. **Veterinariia** (7):53–4, Jul 75 **(Rus)**

[Experience in the prevention of white muscle disease of lambs by means of sodium selenite] Katenin AD. **Veterinariia** (2):103–4, Feb 75 **(Rus)**

[Prevention of anoplocephaliasis in sheep] Kopbosynov B. **Veterinariia** (6):60–1, Jun 76 **(Rus)**

[Prevention of gastrointestinal diseases in lambs] Kropov NF, et al. **Veterinariia** (9):94–6, Sep 74 **(Rus)**

[Plasma cell reaction to vaccination of lambs against paratyphoid] Mamedov TA. **Veterinariia** (2):40–1, Feb 75 **(Rus)**

[Prevention of sheep nose bots] Morozov NF. **Veterinariia** (10):63–4, Oct 75 **(Rus)**

[Immunogenicity of the attenuated strain of the virus of contagious ecthyma of sheep] Shakhbazov EG. **Veterinariia** (5):56–7, May 75 **(Rus)**

[Chemoprophylaxis in anoplocephaliasis in sheep] Smychkov AS. **Veterinariia** (10):61–3, Oct 75 **(Rus)**

[Specific prophylaxis of colibacillosis and salmonellosis in lambs and piglets] Sytdykov AK, et al. **Veterinariia** (6):50–1, Jun 76 **(Rus)**

[Immunization of sheep with a vaccine of the Br. melitensis REV–1 strain] Ulasevich PS, et al. **Veterinariia** (12):57–9, Dec 75 **(Rus)**

[Polyanatoxin for the prevention of sheep clostridiosis] Urguev KR, et al. **Veterinariia** (6):47–50, Jun 76 **(Rus)**

[Experience in the control of piroplasmosis in sheep] Vardanian V, et al. **Veterinariia** (6):58, Jun 76 **(Rus)**

THERAPY

[Dry method of treatment of balanoposthitis] Tselishchev LI. **Veterinariia** (7):73–5, Jul 75 **(Rus)**

[Organization of the treatment of respiratory diseases in lambs] Zekenov U. **Veterinariia** (3):101–4, Mar 76 **(Rus)**

TRANSMISSION

Hydatid disease transmission in California. A study of the Basque connection. Araujo FP, et al. **Am J Epidemiol** 102(4):291–302, Oct 75

Letter: Transmission of sarcosporidiosis from dogs to sheep maintained specific pathogen free. Ford GE. **Aust Vet J** 51(8):407–8, Aug 75

The effect of the molluscicide N–tritylmorpholine on transmission of Fasciola hepatica. Crossland NO. **Vet Rec** 98(3):45–8, 17 Jan 76

[Experimental transmission of lymphatic leucosis of sheep] Paulsen J, et al. **Zentralbl Veterinaermed [B]** 22(9):737–48, Nov 75 (Eng. Abstr.) **(Ger)**

[Transmission of Eimeria yakimoffmatschoulskyi from the chamois to sheep and goats] Restani R. **Parassitologia** 16(1):83–6, Jan–Apr 74 (Eng. Abstr.) **(Ita)**

[Etiology of vibriosis in animals] Babakishvili DI. **Veterinariia** (8):69–71, Aug 75 **(Rus)**

URINE

Effects of locoweed toxin on rats. James LF, et al. **Am J Vet Res** 37(7):845–50, Jul 76

SHELLFISH

see related
CLAMS
CRABS
CRAYFISH
LOBSTERS
MUSSELS
OYSTERS
SHRIMP

Antibiotic resistance among coliform and fecal coliform bacteria isolated from sewage, seawater, and marine shellfish. Cooke MD. **Antimicrob Agents Chemother** 9(6):879–84, Jun 76

Fisheries prospects for the future—freshwater and marine. Bardach JE. **Basic Life Sci** 7:375–97, 1976 (30 ref.)

Technological and ecological problems limiting the production of freshwater and marine fishes in Latin America. Schafer HJ. **Basic Life Sci** 7:157–61, 1976 (8 ref.)

Survival in Vibrio cholerae in the live shellfish. Fukuyoshi S, et al. **Fukuoka Acta Med** 66(9):536–40, 25 Sep 75

Vibrio parahaemolyticus and seafoods. Barrow GI, et al. **Soc Appl Bacteriol Symp Ser** 4:181–95, 1976 (45 ref.)

[Clinical comments on poisoning caused by marine animals in the Marquesas] Dambielle B, et al. **Bull Soc Pathol Exot** 68(2):228–34, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Editorial: Shellfish and public health. **Br Med J** 2(6026):1–2, 3 Jul 76

Epidemiology of cholera in Italy in 1973. Baine WB, et al. **Lancet** 2(7893):1370–4, 7 Dec 74

ANALYSIS

A rapid method to determine Bunker C fuel oil in marine organisms. Morgan NL. **Bull Environ Contam Toxicol** 14(3):309–12, Sep 75

National Marine Fisheries Service preliminary survey of selected seafoods for mercury, lead, cadmium, chromium, and arsenic content. Zook EG, et al. **J Agric Food Chem** 24(1):47–53, Jan–Feb 76

Chlorinated hydrocarbon residues in fish, crabs, and shellfish of the Lower Fraser River, its estuary, and selected locations in Georgia Strait, British Columbia—1972–73. Albright LJ, et al. **Pestic Monit J** 9(3):134–40, Dec 75

POISONING

Paralytic shellfish poisoning in the North Pacific: two historical accounts and implications for today. Fortuine R. **Alaska Med** 17(5):71–5, Sep 75

Editorial: Shellfish in summer. **Br Med J** 3(5980):393–4, 16 Aug 75

Paralytic shellfish poisoning in Papua New Guinea. Rhodes FA, et al. **Papua New Guinea Med J** 18(4):197–202, Dec 75

RADIATION EFFECTS

Radiation–induced increased melanosis in crustacean shellfish. Savagaon KA, et al. **Radiat Res** 64(3):624–32, Dec 75

TOXICITY

Isolation of Gonyaulax tamarensis toxins from soft shell clams (Mya arenaria) and a thin–layer chromatographic–fluorometric method for their detection. Buckley LJ, et al. **J Agric Food Chem** 24(1):107–11, Jan–Feb 76

SHELTERED WORKSHOPS

A hospital's sheltered workshop as a rehabilitative and supportive resource for discharged patients. Cohen L. **Hosp Community Psychiatry** 27(8):559–60, Aug 76

Expanding a sheltered workshop to replace nonpaying patient jobs. Schwartz DB. **Hosp Community Psychiatry** 27(2):98–101, Feb 76

The case for a flexible, long–term sheltered workshop for psychiatric patients. Wilder JF. **Hosp Community Psychiatry** 27(2):112–6, Feb 76

A brief discussion of a model for improving the cost effectiveness of a token economy in a rehabilitation setting. Balcerzak WS, et al. **J Appl Behav Anal** 7(3):501–4, Fall 74

Physical education training for adult retardates in a sheltered workshop setting. Hussey C, et al. **J Clin Psychol** 32(3):701–5, Jul 76

How token economy earnings are spent. Schroeder SR, et al. **Ment Retard** 14(2):20–4, Apr 76

Occupational rehabilitation, day centers, and workshops. Black BS. **Psychiatr Q** 48(4):549–57, 1974

Occupational rehabilitation, day centers and workshops. van Londen J. **Psychiatr Q** 48(4):543–8, 1974

Evaluating the severely disabled: the controlled environmental laboratory evaluation. Rosinsky RW. **Rehabil Lit** 36(10):302–5, Oct 75

The effectivenss of tokens in increasing and maintaining promptness of work groups in a sheltered workshop. Szyarto R, et al. **Rehabil Lit** 37(4):107–8, Apr 76

[Sheltered work in the U.S.S.R] Walther J. **Z Gesamte Hyg** 21(4):351–4, Apr 75 **(Ger)**

SHIGELLA

see related
DYSENTERY, BACILLARY

Release of prostaglandin–like substances by Shigella endotoxin and its inhibition by non–steroidal anti–inflammatory compounds. Bhattacherjee P. **Br J Pharmacol** 54(4):489–94, Aug 75

[Effects of R factors on virulence of the host bacteria: virulence of Salmonella LT–2 IN MICE WITH transfer of R factors from Shigella strains] Watanabe M. **Jpn J Bacteriol** 31(3):39–407, May 76 (Eng. Abstr.) **(Jpn)**

[An analysis of meat products as possible factors responsible for transmission of dysenterial toxic infections] Sedova NN. **Vopr Pitan** (5):68–73, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Immunochemical and molecular biological characteristics of dysentery phages] Zamchuk LA, et al. **Vopr Virusol** (2):161–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Cell–wall lipopolysaccharide of the 'Shigella–like' Escherichia coli 0124. Structure of the polysaccharide chain. Dmitriev BA, et al. **Eur J Biochem** 64(2):491–8, 1 May 76

[Fatty acid composition of bacteria of the genera Escherichia, Salmonella and Shigella] Vasiurenko ZPsiniak KM. **Izv Akad Nauk SSSR [Biol]** (3):410–7, May–Jun 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Morphologic homogeneity of bacteriophages and their biological activity. Krzywy T, et al. **Arch Immunol Ther Exp (Warsz)** 24(1):29–37, 1976

Method for identifying Salmonella and Shigella directly from the primary isolation plate by coagglutination of protein A–containing staphylococci sensitized with specific antibody. Edwards EA, et al. **J Clin Microbiol** 3(3):339–43, Mar 76

[Comparative study of traditional classification, numerical classification and classification by DNA homology] Okanishi M. **Jpn J Bacteriol** 29(6):803–10, Nov 74 **(Jpn)**

[One–stage method of identification of Salmonella and Shigella by biochemichal test. I. Evaluation and selection of differentiating test] Tyc Z, et al. **Med Dosw Mikrobiol** 28(2):121–30, 1976 (Eng. Abstr.) **(Pol)**

[Classification and nomenclature of Large—Sachs dysentery bacteria] Ianishevskaia MN. **Zh Mikrobiol Epidemiol Immunobiol** (11):126–7, Nov 75 **(Rus)**

DRUG EFFECTS

Antimicrobial susceptibilities of shigellae isolated in Houston, Texas, in 1974. Byers PA, et al. **Antimicrob Agents Chemother** 9(2):288–91, Feb 76

Antibiotic resistance of shigellas in New Zealand. Robinson RA. **NZ Med J** 83(557):81–2, 11 Feb 76

[Drug resistance and distribution of R factors among Shigella strains] Tanaka T. **J Jpn Assoc Infect Dis** 50(1):18–27, Jan 76 (Eng. Abstr.) **(Jpn)**

[Observations on the sensitivity to antibiotics of the Shigella isolated from patients in 1966–1973] Garanin BA. **Antibiotiki** 20(6):533–7, Jun 75 (Eng. Abstr.) **(Rus)**

[Sensitivity of dysentery bacteria to furazolidone and phthalazol according to the materials of medical epidemiological station of Odessa–Kishinev railroad] Lazareva ZA, et al. **Lab Delo** (2):101–2, 1976 **(Rus)**

[Study of the sensitivity of Shigella to ectericide] Ovcharenko OI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):138–9, Sep 75 **(Rus)**

ENZYMOLOGY

[Beta–galactosidase activity of Shigella] Ershova EB. **Lab Delo** (11):678–80, 1975 **(Rus)**

GROWTH & DEVELOPMENT

Selective enrichment of Shigella in the presence of Escherichia coli by use of 4–chloro–2–cyclopentylphenyl beta–D–galactopyranoside. Park CE, et al. **Can J Microbiol** 22(5):654–7, May 76

IMMUNOLOGY

The anti–infectious immunogenic potency of some kerato–conjunctivitis – positive enteropathogenic strains lacking Shigella agglutinogens. Ciufecu C. **Arch Roum Pathol Exp Microbiol** 33(3–4):241–60, Jul–Dec 74

[Occurrence of the cathode–bound group antigen of the dysentery bacilli in Escherichieae types of intermediate character (author's transl)] Stenzel W. **Zentralbl Bakteriol [Orig A]** 232(4):468–72, Aug 75 (Eng. Abstr.) **(Ger)**

[The cathode bound group antigen of dysentery–provoking escherichieae (author's transl)] Stenzel W. **Zentralbl Bakteriol [Orig A]** 232(4):454–61, Aug 75 (Eng. Abstr.) **(Ger)**

[Serologic interrelations of choleragen and the neurotoxins of enterobacteria] Kamzolkina NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):50–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Genetic control of the synthesis of Newcastle shigella type–specific VI antigen] Makletsova IuI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):44–8, Jan 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Comparative evaluation of desoxycholate citrate medium and xylose lysine desoxycholate medium in the isolation of

shigellae. Bhat P, et al. **Am J Clin Pathol** 64(3):399–404, Sep 75

Drug resistance in Shigella strains isolated in Japan from 1965 to 1973. pp. 187–99. Tanaka T, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Effect of temperature on transport and plating media for enteric pathogens. Taylor WI, et al. **J Clin Microbiol** 2(4):281–6, Oct 75

Xylose lysine deoxycholate agar: a useful enrichment subculture medium for Salmonellae. Wren MW.
Med Lab Technol 32(3):225–8, Jul 75

[Shigella in seawater and in an estuary. II. Tentative inhibition of adsorption of shigaphages and studies of Shigella in a selective milieu] Dartevelle Z, et al.
Ann Microbiol (Paris) 126B(1):99–100, Jul–Aug 75 **(Fre)**

[Shigella in seawater and in an estuary. I. Frequency of bacteriophages in polluted water] Dartevelle Z, et al.
Ann Microbiol (Paris) 126B(1):95–7, Jul–Aug 75 **(Fre)**

[Diversity of resistance types among Shigella in Sao Paulo (Brasil) (author's transl)] Piéchaud D, et al.
Ann Microbiol (Paris) 125(4):581–4, Dec 74 (Eng. Abstr.) **(Fre)**

[Combined use of rivanol in the media with antibiotics in the isolation of Shigella] Grinmaer TV. **Lab Delo** (11):682–5, 1975 **(Rus)**

[Possibility of using preservatives and media enrichment for the simultaneous isolation of vibrios, Shigella and Salmonella] Givental' NI, et al.
Zh Mikrobiol Epidemiol Immunobiol (4):135–6, Apr 75 **(Rus)**

[An accumulation medium for isolation of salmonellae and shigellae from sea water] Shiganova VL.
Zh Mikrobiol Epidemiol Immunobiol (5):146–7, May 76 **(Rus)**

METABOLISM

Role of a lipopolysaccharide gene for immunogenicity of the enterobacterial common antigen. Schmidt G, et al.
J Bacteriol 126(2):579–86, May 76

PATHOGENICITY

[Results of a quantitative study of the interaction of pathogenic enterobacteria with a cell monolayer] Elshina MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):19–25, Dec 75 (Eng. Abstr.) **(Rus)**

[Some controversial questions on the epidemiology of intestinal infections. Report I. Significance of the dose and the biological properties of the causative agent in the epidemiology and the clinical picture of salmonelloses and dysentery] Zaritskiĭ AM, et al.
Zh Mikrobiol Epidemiol Immunobiol (12):25–30, Dec 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural localization of viral antigens using the unlabeled antibody–enzyme method. Wendelschafer-Crabb G, et al. **J Histochem Cytochem** 24(3):517–26, Mar 76

SHIGELLA BOYDII see under **SHIGELLA**

SHIGELLA DYSENTERIAE

Intraventricular antipyretics and bacterial pyrogen fever. Nisticò G, et al. **Arch Int Pharmacodyn Ther** 220(2):339–43, Apr 76

Somatic antigens of shigella. Structural investigation on the O-specific polysaccharide chain of Shigella dysenteriae type 1 lipopolysaccharide. Dmitriev BA, et al.
Eur J Biochem 66(3):559–66, 15 Jul 76

An outbreak of dysentery caused by Shigella dysenteriae type 1 on a coral island in the Bay of Bengal. Rahaman MM, et al. **J Infect Dis** 132(1):15–9, Jul 75

Rare type of shigellosis. **J Iowa Med Soc** 66(2):44–5, Feb 76

Shigella dysenteriae I: a forgotten cause of pseudomembranous colitis. Kelber M, et al. **J Pediatr** 89(4):595–6, Oct 76

ANALYSIS

Selective cleavage of glycosidic linkages: studies with the polysaccharide component of Shigella dysenteriae type 6 lipopolysaccharide. Dmitriev BA, et al. **Carbohydr Res** 44(1):77–85, Oct 75

Some immunochemical and chemical aspects of S and R Shigella dysenteriae 1 endotoxins. Sourek J, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 19(3):356–74, 1975

DRUG EFFECTS

Resistance of Shigella dysenteriae type 1 to ampicillin and other antimicrobial agents: strains isolated during a dysentery outbreak in a hospital in Mexico City. Olarte J, et al. **J Infect Dis** 133(5):572–5, May 76

Letter: Transfer of ampicillin resistance from Shigella dysenteriae type 1 to Escherichia coli. Penaranda ME, et al. **Lancet** 2(7977):154, 17 Jul 76

[Antibacterial action by bacteriocin produced by Shigella sonnei 100052] Kumasawa K, et al. **Jpn J Bacteriol** 30(1):265, Jan 75 **(Jpn)**

IMMUNOLOGY

Effect of Shigella enterotoxin on electrolyte transport in rabbit ileum. Donowitz M, et al. **Gastroenterology** 69(6):1230–7, Dec 75

Pathogenesis of shigella diarrhea. Serum anticytotoxin antibody response produced by toxigenic and nontoxigenic Shigella dysenteriae 1. Keusch GT, et al. **J Clin Invest** 57(1):194–202, Jan 76

Diagnostic value of indirect hemagglutination in the seroepidemiology of Shigella infections. Patton CM, et al.
J Clin Microbiol 3(2):143–8, Feb 76

Receptors for T2, T4 and T6 phages in Sh. dysenteriae 7 and other serotypes of Sh. dysenteriae. Goldhar J, et al.
Zentralbl Bakteriol [Orig A] 233(3):335–41, Nov 75

METABOLISM

Methylated guanine derivative as a minor base in the DNA of phage DDVI Shigella disenteriae. Nikolskaya II, et al.
Biochim Biophys Acta 435(2):206–10, 18 Jun 76

Activation of intestinal mucosal adenylate cyclase by Shigella dysenteriae I enterotoxin. Charney AN, et al.
Gastroenterology 70(6):1085–90, Jun 76

Naturally occurring sites within the Shigella dysenteriae tryptophan operon severely limit tryptophan biosynthesis. Manson MD, et al. **J Bacteriol** 126(2):668–78, May 76

[Bacteriocin production and lysogeny in Shigella of subgroup A] Hamon Y, et al. **C R Acad Sci [D] (Paris)** 279(26):2153–6, 23 Dec 74 **(Fre)**

[Microtubular structures in the cytoplasm of macrophages and their enzymatic activity in interaction with Salmonella typhi and Shigella dysenteriae] Gandzii GP, et al.
Mikrobiol Zh 37(4):508–13, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

SHIGELLA FLEXNERI

Fecal steroids in diarrhea. I. Acute shigellosis. Huang CT, et al. **Am J Clin Nutr** 29(9):949–55, Sep 76

Structural studies on D-specific polysaccharide of Shigella flexneri serotype 6. Katzenellenbogen E, et al.
Eur J Biochem 61(1):191–7, 2 Jan 76

[The influence of several prophages on the genetic behavior of Flexner dysentery bacteria] Petrovskaia VG, et al.
Genetika 11(10):61–6, 1975 (Eng. Abstr.)

[Intestinal localization of shigellae in dysentery and experimental shigellosis] Tsinzerling AV, et al.
Arkh Patol 38(1):26–33, 1976 (Eng. Abstr.) **(Rus)**

[An electron microscopic study of the interaction between shigellae and cell cultures. II. Structuro-functional response of the chief cytoplasmic organoids of infected cells] Nosova LS, et al. **Tsitologiia** 17(8):965–72, Aug 75 (Eng. Abstr.) **(Rus)**

[Some physicochemical properties of the dysenteric therapeutic—prophylactic Newcastle phages H-17 and H-18 (Author's transl)] Viskova RS, et al. **Vopr Virusol** (5):557–63, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Characteristics of bacteriophages used in the detection of disturbances in the synthesis of the O-antigen polysaccharide of Shigella flexneri] Lycheva TA.
Zh Mikrobiol Epidemiol Immunobiol (7):74–8, Jul 75 (Eng. Abstr.) **(Rus)**

[An outbreak of dysentery caused by Sh. flexneri var. X] Mel'kumiants NB, et al.
Zh Mikrobiol Epidemiol Immunobiol (11):123–4, Nov 75 **(Rus)**

CLASSIFICATION

Subdividing of phage types of Shigella flexneri by means of bacteriocins. Meitert T, et al.
Arch Roum Pathol Exp Microbiol 34(1–2):59–66, Jan–Jun 75

Shigella flexneri 6 biotypes: a review. Brenner DJ.
Health Lab Sci 13(3):218–22, Jul 76

[Morphologic characteristics of lysogenic phages with conversion activity in Shigella flexneri] Natoli D, et al.
G Batteriol Virol Immunol 68(1–6):71–7, Jan–Jun 75 (Eng. Abstr.) **(Ita)**

[Prevalence of biochemical variants of Shigella flexneri 6 in Poland] Lachowicz K. **Przegl Epidemiol** 29(3):335–41, 1975 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Studies on R-plasmids derived from Shigella flexneri strains. pp. 397–402. László V, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Transmissible drug resistance in Shigella and Salmonella isolated from pet monkeys and their owners. Fox JG.
J Med Primatol 4(3):165–71, 1975

[Characteristics of the Salmonella and Shigella strains isolated from diarrhea patients during antibiotic therapy] Salvo S, et al. **Ann Sclavo** 17(2):146–53, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Study of the ability of Shigella sonnei and flexneri to inactivate antibiotics] Filichkin SE, et al. **Lab Delo** (11):680–2, 1975 **(Rus)**

ENZYMOLOGY

Studies on the energetic metabolism of Shigella flexneri x Escherichia coli hybrids devoid of penetration ability. III. Catalase and phosphatase activity. Radoutcheva T, et al.
Zentralbl Bakteriol [Orig A] 233(2):223–7, Oct 75

GROWTH & DEVELOPMENT

[Phagocytosis of shigellas with HeLa cells] Orgel' MIa, et al. **Mikrobiol Zh** 37(4):468–71, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Comparative serologic analysis of Lac+ recombinants of serotypes 2a, 2b, 5a and variant Y of Shigella flexneri. Kolodyński J, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):309–13, 1975

Immunochemical studies on the serotype of Shigella flexneri and its recombinant. Lugowski C, et al.
Arch Immunol Ther Exp (Warsz) 23(3):305–8, 1975

Diagnostic value of indirect hemagglutination in the seroepidemiology of Shigella infections. Patton CM, et al.
J Clin Microbiol 3(2):143–8, Feb 76

[The cathode bound group antigen of dysentery-provoking escherichieae (author's transl)] Stenzel W.
Zentralbl Bakteriol [Orig A] 232(4):454–61, Aug 75 (Eng. Abstr.) **(Ger)**

[Comparative study of the preventive properties of sera obtained by immunization with Shigella flexneri strains of varying degrees of virulence] Miroliubova LV.
Zh Mikrobiol Epidemiol Immunobiol 0(9):136–7, Sep 75 **(Rus)**

[Obtaining purified preparations of individual Shigella newcastle K- and O-antigens by using an ultracentrifugation method] Petrukhin VG, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):78–82, May 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Studies on the survival of Shigella flexneri in river and tap water. Mohadjer S, et al.
Arch Roum Pathol Exp Microbiol 34(4):307–12, Dec 75

METABOLISM

Changes in the biochemical properties of Shigella flexneri 1a as a result of recombination with Escherichia coli K12. Mróz E, et al. **Acta Microbiol Pol [A]** 7(4):221–8, 1975

[Localization on the Shigella flexneri F6S chromosome of a rfa gene implicated in the biosynthesis of bacterial cell wall lipopolysaccharide] Godard C, et al.
Arch Int Physiol Biochim 83(5):967–8, Dec 75 **(Fre)**

[Receptor sites for phages specific for R mutants of Shigella flexneri] Hannecart-Pokorni E, et al.
Arch Int Physiol Biochim 83(5):971–2, Dec 75 **(Fre)**

[Biochemical and genetic characteristics of enteropathogenic Escherichia coli and Shigella. V. The biological properties of auxotrophic mutants of Shigella flexneri 2a and of Escherichia coli serogroup 0124:K72] Babkov VV, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):130–1, Oct 75 **(Rus)**

PATHOGENICITY

[Cellular infiltration of Shigella] Osada K, et al.
Jpn J Bacteriol 30(1):120, Jan 75 **(Jpn)**

[Correlation between biochemical features and pathogenicity of Shigella. IV. Threonine deaminase of Shigella strains producing and not producing keratoconjunctivitis in guinea pigs] Stypulkowska-Misiurewicz H, et al.
Med Dosw Mikrobiol 28(2):131–6, 1976 (Eng. Abstr.) **(Pol)**

[Study of the role of type-specific antigen in the process of Shigella flexneri interaction with epithelial cell and macrophage cultures] Bondarenko VM, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):37–41, May 75 (Eng. Abstr.) **(Rus)**

[Genetic control of the capacity of Sh. flexneri to exert a lethal effect on macrophages. II. Mapping of the cyt-determinant on the Shigella chromosome] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):94–8, Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Simultaneous transfer to 'Escherichia coli' K12 of 'Shigella flexneri' F6S Hfr antigenic determinants and resistance to T phages (author's transl)] Godard C.
Ann Microbiol (Paris) 125(4):403–12, May–Jun 74 (Eng. Abstr.) **(Fre)**

SHIGELLA INFECTIONS see **DYSENTERY, BACILLARY**

SHIGELLA SONNEI

An outbreak of shigellosis in laboratory marmosets and tamarins (Family: Callithricidae). Cooper JE, et al.
J Hyg (Camb) 76(3):415–24, Jun 76

Isolation of salmonellas and Shigella sonnei from a laboratory bench. Price TH. **J Hyg (Camb)** 76(3):337–9, Jun 76

[Intestinal localization of shigellae in dysentery and experimental shigellosis] Tsinzerling AV, et al.
Arkh Patol 38(1):26–33, 1976 (Eng. Abstr.) **(Rus)**

[Certain cytochemical indicators of neutrophils in acute dysentery Sonnei in children] Khalitova VI, et al.
Pediatriia (8):51–3, Aug 75 **(Rus)**

[The possibility of using the HT for the purpose of detecting Sonne shigellae in milk] Dobrovol'skaia VM, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):86–9, May 76 (Eng.

Abstr.) **(Rus)**

[Study of the role of colicins in the formation of microbial association in experiments in chick embryos] Emel'ianova OI. **Zh Mikrobiol Epidemiol Immunobiol** (12):46–50, Dec 75 (Eng. Abstr.) **(Rus)**

[Feasibility of treating Sonne dysentery patients at home] Gres' BE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):57–61, Jan 76 (Eng. Abstr.) **(Rus)**

[Characteristics of Sonne shigellae circulating in Tashkent] Matkarimov BD. **Zh Mikrobiol Epidemiol Immunobiol** (11):121, Nov 75 **(Rus)**

[Biological peculiarities of the etiology in connection with various clinical manifestations of Sonne dysentery in children] Omel'ianets' TH, et al. **Pediatr Akush Ginekol** (6):7–8, Nov–Dec 75 **(Ukr)**

ANALYSIS

[Preparation of colicin produced by Shigella sonnei 100052] Matsuguchi M, et al. **Jpn J Bacteriol** 30(1):95, Jan 75 **(Jpn)**

[Amino acid composition of the cell wall peptidoglycans of Sonne shigellae and typhoid bacteria] Chulygina EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):121–2, Apr 76 **(Rus)**

CLASSIFICATION

Colicin typing of Shigella sonnei isolated in Northern Taiwan. Hsu WH, et al. **Chin J Microbiol** 8(2):137–41, Jun 75

Typing of Shigella sonnei colicins by means of specific indicators. Horák V. **Zentralbl Bakteriol [Orig A]** 233(1):58–63, Sep 75

[Characteristics of colicinogenotypes in Shigella sonnei] Tseiukov SP, et al. **Lab Delo** (11):696–7, 1975 **(Rus)**

DRUG EFFECTS

The changing pattern of antibiotic resistance in Shigella sonnei strains isolated during outbreaks of dysentery. pp. 445–9. Schön E, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Antibacterial activity and mode of action of tioxic acid, a new antibacterial agent. pp. 525–33. Koga H, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Colicin types of Shigella sonnei in relation to antibiotic resistance. Haltalin KC, et al. **J Infect Dis** 132(3):307–15, Sep 75

Extensive urban outbreak caused by antibiotic-sensitive Shigella sonnei. Farrar WE Jr, et al. **JAMA** 235(10):1026–9, 8 Mar 76

Transfer of drug resistance factor in Shigella sonnei isolated in Iran. Badalian K, et al. **Pahlavi Med J** 7(1):71–91, Jan 76

[Type of resistance to antibiotics and to sulfanilamides of 590 'Shigella sonnei' strains. Geographic distribution; relationship with biotype and phage type] Szturm-Rubinsten S, et al. **Bull Soc Pathol Exot** 67(6):564–73, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Study of the ability of Shigella sonnei and flexneri to inactivate antibiotics] Filichkin SE, et al. **Lab Delo** (11):680–2, 1975 **(Rus)**

[Clinical evaluation of antibioticoresistant colibacterin during treatment of dysentery Sonnei] Bogdanov IL, et al. **Vrach Delo** (6):146–7, Jun 74 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Beta-lactamase activity in Shigella sonnei. Prince A, et al. **Antimicrob Agents Chemother** 9(5):776–9, May 76

[Amino acid decarboxylase activity in Shigella sonnei and its relationship to virulence] Illarionva RP, et al. **Med Educ** 38(2):185–7, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Activity of various enzyme systems of Shigella sonnei] Bernasovs'ka EP, et al. **Mikrobiol Zh** 37(3):333–6, May–Jun 75 (Eng. Abstr.) **(Ukr)**

GROWTH & DEVELOPMENT

[Dynamics of multiplication and changes in the virulence of various pathogenic microorganisms in milk and milk products] Toshkov A, et al. **Acta Microbiol Virol Immunol (Sofiia)** 1:40–5, 1975 (Eng. Abstr.) **(Bul)**

[Antagonistic effect of actinomycetes to Shigella sonnei in the soil] Kaliuzhna LD, et al. **Mikrobiol Zh** 37(1):49–51, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Phagocytosis of shigellas with HeLa cells] Orgel' MIa, et al. **Mikrobiol Zh** 37(4):468–71, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Shigellosis in custodial institutions. V. Effect of intervention with streptomycin-dependent Shigella sonnei vaccine in an institution with endemic disease. Levine MM, et al. **Am J Epidemiol** 104(1):88–92, Jul 76

Diagnostic value of indirect hemagglutination in the seroepidemiology of Shigella infections. Patton CM, et al. **J Clin Microbiol** 3(2):143–8, Feb 76

[Phagocytosis of Shigellae sonnei, isolated from patients with dysentery and healthy persons, in the culture of peritoneal macrophages] Povelitsa FD, et al. **Vrach Delo** (7):141–4, Jul 75 (Eng. Abstr.) **(Rus)**

[Construction of new types of chemical vaccines for the prevention of intestinal infections, and their qualitative assessment. IV. Physical properties and immunological characteristics of the experimental series of chemical vaccines presented for comparative study] Andrievskaia RA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):24–30, Jul 75 (Eng. Abstr.) **(Rus)**

[Adjuvant action of nonspecific inflammation in immunizing guinea pigs vis the keratoconjunctival sac with Shigella sonnei somatic antigens] Balashov MP. **Zh Mikrobiol Epidemiol Immunobiol** (10):133–4, Oct 75 **(Rus)**

[Reactivity and immunogenicity of the Sonne dysentery detergent monovaccine] Kambarova OI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):34–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Antigenic composition of different forms of Sh. sonnei] Vaneeva NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):49–53, Jan 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Shigella dysentery with secondary Klebsiella sepsis. Neglia TG, et al. **J Pediatr** 89(2):253–4, Aug 76

Epidemiological and bacteriological studies on an outbreak of Sh. sonnei. Tone K, et al. **Kitasato Arch Exp Med** 48(1):1–8, Mar 75

[Comparative study of nutrient media for detecting Shigella in food products] Sedova NN. **Lab Delo** (9):556–8, 1975 **(Rus)**

[pH stability of sugar media in the process of determining Shigella sonnei biotypes] Zubareva MF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):139–40, Sep 75 **(Rus)**

METABOLISM

Unusual Enterobacteriaceae: H2S+ Shigella sonnei, one authentic and one false positive due to contamination with the obligate anaerobe Eubacterium lentum. Farmer JJ 3d, et al. **J Clin Microbiol** 3(2):206–8, Feb 76

[Purification and molecular morphology of a colicin produced by Shigella sonnei strain 100052 (author's transl)] Matsuguchi M. **Fukuoka Acta Med** 67(5):198–210, May 76 (Eng. Abstr.) **(Jpn)**

[Antibacterial action by bacteriocin produced by Shigella sonnei 100052] Kumasawa K, et al. **Jpn J Bacteriol** 30(1):265, Jan 75 **(Jpn)**

[Biological characteristics of biochemical variants of Sh. sonnei] Ruchkina LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):140–1, May 75 **(Rus)**

PATHOGENICITY

[Study of the virulence of Shigella sonnei isolated from persons with different forms of dysenteric infection] Iuditskaia NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):44–8, Sep 75 (Eng. Abstr.) **(Rus)**

[Detection of autoimmune changes in white mice as a method of studying the biological properties of Shigella sonnei] Paltyshev IP. **Zh Mikrobiol Epidemiol Immunobiol** (12):38–43, Dec 75 (Eng. Abstr.) **(Rus)**

[Experimental study of an associated infection induced by Coxsackie viruses and dysentery bacteria] Suptel' EA, et al. **Med Educ** 38(2):212–6, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Particles found in the mitomycin-induced culture fluid of a strain of Shigella sonnei and their relation to the bacteriocin activity. Amako K, et al. **Jpn J Microbiol** 19(6):456–8, Dec 75

[Shigella in seawater and in an estuary. III. Determination in vitro of the survival time of S. sonnei YCD in seawater] Dartevelle Z, et al. **Ann Microbiol (Paris)** 126B(1):101–3, Jul–Aug 75 **(Fre)**

SHIKIMIC ACID

Shikimic acid. Stavric B, et al. **Food Cosmet Toxicol** 14(2):141–5, Apr 76 (64 ref.)

METABOLISM

Transport and utilization of the biosynthetic intermediate shikimic acid in Escherichia coli. Brown KD, et al. **Biochim Biophys Acta** 428(3):550–62, 28 May 76

SHINGLES see **HERPES ZOSTER**

SHIPPING FEVER see under **PASTEURELLA INFECTIONS**

SHIPS

Trichinosis acquired at sea—report of an outbreak. Singal M, et al. **Am J Trop Med Hyg** 25(5):675–81, Sep 76

Attitudes and accidents aboard an aircraft carrier. Levine JB, et al. **Aviat Space Environ Med** 47(1):82–5, Jan 76

A proportional study of cancer registrations of dockyard workers. Lumley KP. **Br J Ind Med** 33(2):108–14, May 76

Effect of the type of filtered water on the silver on emission in the silver-impregnated ceramic candles designed for a continuous disinfection on ships. Jarnuszkiewicz I, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):281–7, 1975

Pharyngitis epidemic on a passenger ship. Ulewicz K, et al. **Bull Inst Marit Trop Med Gdynia** 27(1):105–8, 1976

Occupational illness and accidents reported from California shipyards. Baginsky E. **Environ Res** 11(2):271–9, Apr 76

Asbestos exposure control at Puget Sound Naval Shipyard. Beckett RR. **Environ Res** 11(2):248–60, Apr 76

Industrial hygiene and occupational health studies in Australian (New South Wales) shipyards. Bell A. **Environ Res** 11(2):198–212, Apr 76

Shipyard health problems. Ferris BG Jr. **Environ Res** 11(2):140–50, Apr 76

Experience with asbestos disease and its control in Great Britain's naval dockyards. Harries PG. **Environ Res** 11(2):261–7, Apr 76

Noise and hearing studies in shipyards. Kihlman T, et al. **Environ Res** 11(2):182–8, Apr 76

Occupational health programs in United States Naval shipyards. Lawton GM, et al. **Environ Res** 11(2):162–5, Apr 76

Emotional complications of shipyard injuries. Lipsett MM. **Environ Res** 11(2):220–5, Apr 76

Hearing conservation—a shipyard challenge. Nelson RA, et al. **Environ Res** 11(2):189–97, Apr 76

Neurophysiologic studies of welders in shipbuilding work. Petersén I, et al. **Environ Res** 11(2):226–36, Apr 76

What's bothering today's shipyard workers? Rieke FE. **Environ Res** 11(2):156–61, Apr 76

The organization of the occupational health service at Götaverken. Sandén A. **Environ Res** 11(2):166–9, Apr 76

Marine gas hazards control. Cleaning and gas-freeing shipboard tanks. Savage KM. **Environ Res** 11(2):213–9, Apr 76

Silicosis in shipyard sandblasters. Ziskind M, et al. **Environ Res** 11(2):237–43, Apr 76

Atmospheric levels of propoxur aboard submarines after residual spraying. Mulrennan JA Jr, et al. **J Econ Entomol** 68(6):755–60, Dec 75

Occupational lead exposure in Finland. V. Shipyards and shipbreaking. Tola S, et al. **Scand J Work Environ Health** 2(1):31–6, Mar 76

[Salmonella growth in the water of the Ostend and Zeebrugge harbor complex] Oye E, et al. **Arch Belg Med Soc** 33(4):227–36, Apr 75 (Eng. Abstr.) **(Dut)**

[Asthenopia in workers of the ship-building industry (author's transl)] Llorca JP, et al. **Klin Monatsbl Augenheilkd** 166(5):709–11, May 75 (Eng. Abstr.) **(Ger)**

[Incidence of diseases of the knee joint in the orthopedic-industrial medicine care of workers in the ship-building industry with regard to some industrial medicine aspects] Nauwald G. **Z Aerztl Fortbild (Jena)** 69(23):1235–41, 1 Dec 75 **(Ger)**

[Chlorine treatment for the decontamination of raw and purified toilet sewage and mixed effluents from ships] El'puner LI, et al. **Gig Sanit** (1):16–20, Jan 76 (Eng. Abstr.) **(Rus)**

[Engine exhaust gases as a possible source of air pollution of the living quarters on marine vessels] Gofmekler VA, et al. **Gig Sanit** (9):104–5, Sep 75 **(Rus)**

[Water supply problems of river-going boats and the infectious morbidity of the crews and passengers] Ugreninov IuA, et al. **Gig Sanit** (4):90–1, Apr 76 **(Rus)**

[Hygienic substantiation of the comfort conditions for the microclimate of shipboard premises taking into account the acclimatization changes in sailors on a cruise] Vorob'ev AA. **Gig Sanit** (6):24–8, Jun 76 (Eng. Abstr.) **(Rus)**

[Nature of the pathology in electric arc welders and ship builders] Baranova VM, et al. **Gig Tr Prof Zabol** (6):45–7, Jun 76 **(Rus)**

[Use of mathematical methods in planning the work of ambulance transports] Sannikov LM. **Voen Med Zh** (9):7–10, Sep 75 **(Rus)**

[Toxic and hygienic characteristics of the air-gas environment on board ships (a review of the literature)] Zhukov VG, et al. **Voen Med Zh** (11):51–3, Nov 75 (17 ref.) **(Rus)**

[The role of the water factor in the spread of dysentery on river vessels] Ioirish AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):104–6, May 76 **(Rus)**

STANDARDS

[News in the hygienic standardization of the microclimate of ships' quarter's equipped with air conditioning] Sergeev EP, et al. **Gig Sanit** (11):45–8, Nov 75 (Eng. Abstr.) **(Rus)**

SHIVERING

The shivering pattern in an arctic (willow ptarmigan) and a tropical bird (bantam hen). Aulie A. **Comp Biochem Physiol [A]** 53(4):347–50, 1976

Analysis of shivering in nonperiheral cooling during pyrogen fever. Al-Hachim GM, et al. **Int J Biometeorol** 19(1):53–5, Mar 75

Fever: exchange of shivering by nonshivering pyrogenesis in cold-acclimated guinea pigs. Blatteis CM. **J Appl Physiol** 40(1):29–34, Jan 76

Cold-induced shivering in men with thermoneutral skin temperatures. Buguet AG, et al. **J Appl Physiol** 41(2):142–5, Aug 76

Changes in the metabolism of the shivering hind leg of the young ox during several days of continuous cold exposure. Bell AW, et al. **Q J Exp Physiol** 60(4):267–84, Oct 75

[Mechanisms of development of thermoregulatory tone and cold shivering] Konstantinov VA. **Fiziol Zh SSSR** 61(8):1228–34, Aug 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Propranolol and pyrogen effects of shivering and nonshivering thermogenesis in rats. Horwitz BA, et al. **Am J Physiol** 230(3):637–42, Mar 76

Alteration of shivering threshold in cold- and warm-adapted guinea pigs following intrahypothalamic injections of noradrenaline and of an adrenergic alpha-receptor blocking agent. Zeisberger E, et al. **Pfluegers Arch** 362(2):113–9, 30 Mar 76

[Proceedings: Effect of CO2 inhalation on sweating and shivering induced by cold] Tadaki E, et al. **J Physiol Soc Jpn** 36(8–9):395, 1 Sep 74 **(Jpn)**

[The effect of 5-hydroxytryptophan on shivering thermogenesis] Iakimenko MA, et al. **Biull Eksp Biol Med** 81(2):230–1, Feb 76 (Eng. Abstr.) **(Rus)**

SHOCK

Rattlesnake venom shock in the rat: development of a method. Carlson RW, et al. **Am J Physiol** 229(6):1668–74, Dec 75

Traditional Chinese medicine balanced anesthesia on patients in shock. **Chin Med J [Engl]** 2(1):33–41, Jan 76

Shock and metabolism. Baxter CR. **Surg Gynecol Obstet** 142(2):216–9, Feb 76 (0 ref.)

[Belgian-German symposium on shock (Elberfeld, April 4–5 1974)] **Med Welt** 26(33–34):1469–79, 22 Aug 75 **(Ger)**

[Shock lung. Introduction] Herzog H. **Verh Dtsch Ges Inn Med** 81:436–6, 1975 **(Ger)**

[Anesthetic management of patients in shock—modified neuroleptoanesthesia by intravenous drip method] Ogawa R. **Jpn J Anesthesiol** 24(7):733–7, Jul 75 (Eng. Abstr.) **(Jpn)**

[Etiopathogenesis and clinical manifestations of life-endangering conditions in children] Ereciński K, et al. **Wiad Lek** 29(14):1263–7, 15 Jul 76 **(Pol)**

[Certain methodological aspects of the problem of shock] Kulagin VK. **Sov Med** (11):50–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Septic shock. I. Clinical and physiopathological aspects] Hervas Sánchez JG, et al. **Rev Clin Esp** 139(4):293–304, 30 Nov 75 **(Spa)**

[Septic shock. II. Therapy] Hervas Sánchez JG, et al. **Rev Clin Esp** 139(4):369–84, 30 Nov 75 (203 ref.) **(Spa)**

BLOOD

Release of prostaglandin F2alpha during splanchnic artery occlusion shock. Flynn JT, et al. **Am J Physiol** 230(3):684–90, Mar 76

Effects on myocardial contractility of blood-borne material released from the feline small intestine in simulated shock. Lundgren O, et al. **Circ Res** 38(4):307–15, Apr 76

Myocardial depressant factor in shock. pp. 860–3. Okada K, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Editorial: Glucagon and shock. Vaisrub S. **JAMA** 233(11):1195, 15 Sep 75

Role of adrenergic stimulation in the fibrinolytic activation induced by histamine shock. Dosne AM. **Pathol Biol (Paris)** 23 suppl:63–5, Dec 75

Plasma prostaglandin F2alpha and 15-keto-F2alpha concentrations during splanchnic artery occlusion shock. Flynn JT, et al. **Proc Soc Exp Biol Med** 151(1):193–7, Jan 76

Arterial-venous magnesium gradients in hypovolemic shock: an indication of the irreversible state. Valencic F, et al. **Proc Soc Exp Biol Med** 150(3):660–3, Dec 75

Influence of humoral shock factors on in vitro aggregation of dog platelets. Bridenbaugh GA, et al. **Thromb Res** 8(5):599–606, May 76

Globular hyaline microthrombi—their nature and morphogenesis. Bleyl U, et al. **Virchows Arch [Pathol Anat]** 370(2):113–28, 3 May 76

[Effect of proteinase inhibition on leukocytal phagocytosis in shock] Burkhardt K, et al. **Med Welt** 27(19):929–31, 7 May 76 **(Ger)**

[Adaptive metabolic disorders in erythrocytes during shock] Goebel KM, et al. **Schweiz Med Wochenschr** 105(47):1578–80, 22 Nov 75 (Eng. Abstr.) **(Ger)**

[Hematocrit in venous and capillary blood in children in shock] Olvera-Hidalgo C, et al. **Bol Med Hosp Infant Mex** 33(1):1–9, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Circulatory collapse after oral oxprenolol. Brooks NH. **Br Med J** 4(5987):24, 4 Oct 75

Influence of Ultracorten H on blood supply of the kidneys in peptone shock and in experimental injury of the heart with silver nitrate in rabbits. Mazur M, et al. **Mater Med Pol** 7(4):292–5, Oct–Dec 75

[Rare complication of intraoperative cholangiography] Wujkowski S, et al. **Wiad Lek** 29(4):329–8, 15 Feb 76 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

'Shock lung' resulting from perfusion of canine lungs with stored bank blood. Geelhoed GW, et al. **Am Surg** 41(11):661–82, Nov 75

Cyclical shock with hyperglobulinemia. Larcan A, et al. **Bibl Anat** 13:343–6, 1975

Pulmonary insufficiency syndrome. pp. 173–9. Dudley HA.
In: Walker WF, Taylor DE, ed. Intensive care. Edinburgh, Churchill Livingstone, 1975. W3 PF268 1973i.

Renal tubular necrosis due to shock: light and electron-microscope observations. Dunnill MS, et al. **J Pathol** 118(2):109–12, Feb 76

Clinical conference: Clinicopathological conference of the Medical University of South Carolina. Abdominal mass with death from shock in 80 year old woman. **J SC Med Assoc** 72(1):10–7, Jan 76

Absence of hypoglycemia in canine splanchnic arterial occlusion (SAO) shock. Archer LT, et al. **J Surg Res** 21(1):1–6, Jul 76

Methylprednisolone. Pharmacologic doses in shock lung syndrome. Sladen A. **J Thorac Cardiovasc Surg** 71(5):800–6, May 76

Dengue hemorrhagic fever: problems and progress. Nimmannitya S. **Paediatr Indones** 15(3–4):93–104, Mar–Apr 75

[Kidney in shock and shock-kidney. Pathogenesis, diagnosis and therapy] Commichau R. **Anaesthesiol Intensivmed Prax** 9(1):85–92, 1974 **(Ger)**

[Radiological lung changes in progressive pulmonary insufficiency (author's transl)] Thelen M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):110–9, Feb 76 (Eng. Abstr.) **(Ger)**

[Pulmonary shock] Burchardi H. **Med Welt** 26(33–34):1474–6, 22 Aug 75 **(Ger)**

[Hyperpyrexia and shock (author's transl)] Graser F. **Monatsschr Kinderheilkd** 124(6):533–7, Jun 76 (22 ref.) (Eng. Abstr.) **(Ger)**

[Causes of hypoxia in hemotransfusion shock in dogs] Vinogradova IL, et al. **Patol Fiziol Eksp Ter** (3):51–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Metabolic alkalosis in patients following resuscitation] Zolotokrylina ES. **Vestn Khir** 114(4):3–7, Apr 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Initial evaluation of the patient in coma or shock. pp. 11–8. Goldberg TH.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

[The multiparametric sequential system. A new method for the diagnosis and therapy of shock] Castiglioni GC, et al. **Chir Patol Sper** 23(4):197–218, Aug 75 (Eng. Abstr.) **(Ita)**

[Fast diagnosis of hemodynamic disorders in patients with heart disease] Radzivil GG, et al. **Kardiologiia** 16(1):88–94, Jan 76 (Eng. Abstr.) **(Rus)**

[Diagnosis of the patient in shock at admission to intensive care] Manzano Alonso JL, et al. **Rev Esp Anestesiol Reanim** 22(6):521–9, Nov 75 **(Spa)**

DRUG THERAPY

Incidence of stress ulcer formation associated with steroid therapy in various shock states. Jama RH, et al. **Am J Surg** 130(3):328–31, Sep 75

Mechanisms of glucocorticoid protection in circulatory shock. Altura BM, et al. **Bibl Anat** 13:177–8, 1975

Should corticosteroids be given in shock? **Drug Ther Bull** 14(4):14–6, 13 Feb 76

DPAVP: a vasopressin analog with selective microvascular and RES actions for the treatment of circulatory shock in rats. Altura BM. **Eur J Pharmacol** 37(1):155–67, May 76

Cardiorespiratory response to a new isoquinoline derivative in critically III patients. Makabali GG, et al. **J Clin Pharmacol** 15(10):685–94, Oct 75

The clinical use of dopamine in the treatment of shock. Reid PR, et al. **Johns Hopkins Med J** 137(6):276–9, Dec 75

[Infusion solutions and the treatment of shock] Petz R, et al. **Cesk Farm** 25(3–4):129–31, May 76 **(Cze)**

[Editorial: Shock and steroid therapy] Engell HC. **Ugeskr Laeger** 137(40):2324, 29 Sep 75 **(Dan)**

[Letter: Treatment of shock and pain by ambulance personnel] Nauta JH, et al. **Ned Tijdschr Geneeskd** 119(47):1871, 22 Nov 75 **(Dut)**

[Treatment of 'shock' in deep phlebitis of the leg] Pitous P. **Phlebologie** 28(1):81–2, Jan–Mar 75 **(Fre)**

[Therapy of shock] Knorpp K. **Med Welt** 26(33–34):1476–7, 22 Aug 75 **(Ger)**

[Intensive therapy of shock, especially using proteinase inhibitors] Zimmerman WE. **Med Welt** 26(33–34):1478–9, 22 Aug 75 **(Ger)**

[Antishock effects of trasylol and its protective effects on open heart surgery (author's transl)] Suemori I, et al. **Respir Circ (Tokyo)** 24(5):441–6, May 76 (Eng. Abstr.) **(Jpn)**

[Involvement of the thyroid gland in clinical shock (anti-shock action of propylthiouracil)] Nana A, et al. **Rev Chir [Chir]** 24(3):235–8, May–Jun 75 (Eng. Abstr.) **(Rum)**

[Mechanism of action of pharmacologic doses of glucocorticoids in shock] Jurado Simón J, et al. **Rev Esp Anestesiol Reanim** 22(3):257–69, May 75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Activity of acid and alkaline phosphatases, of certain transaminases and of lactate dehydrogenase in the plasma of dogs with prolonged hypovolemic hypotension and during the recovery period] Kozhura VL, et al. **Patol Fiziol Eksp Ter** (5):23–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Urography, shock reaction and repeated urography. Lalli AF. **Am J Roentgenol Radium Ther Nucl Med** 125(1):264–8, Sep 75

Septic shock. Ledingham IM. **Br J Surg** 62(10):777–80, Oct 75

Bilateral retinal shock. Neetens A, et al. **Bull Soc Belge Ophtalmol** (172):796–801, 1975

Cerebrovascular disorders causing coma or shock. CVAs and hypertensive crisis. pp. 197–209. Schwartzman RJ.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Metabolic disorders causing coma and shock. pp. 175–85. Taylor AL.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Shock following intravenous pyelography in patients with congenital adrenal hyperplasia. Silverman SH, et al. **J Pediatr** 88(2):269–70, Feb 76

Occlusion of superior mesenteric artery and effect of corticosteroid in dogs. Nagasue N, et al. **Jpn J Surg** 5(3):153–63, Sep 75

Relationship between hepatic hemodynamics and biliary pressure in dogs: its significance in clinical shock following biliary decompression. Tamakuma S, et al. **Jpn J Surg** 5(4):255–68, Dec 75

Aspirating subdural effusions, so called brain stem shock. Martin G, et al. **Neurochirurgia (Stuttg)** 18(4):115–7, Jul 75

[Letter: Acute circulatory insufficiencies revealing abdominal emergencies] Jardin F, et al. **Nouv Presse Med** 4(40):2885(1), 22 Nov 75 **(Fre)**

[Fulminating streptococcal cellulitis. Importance of hypovolemic shock] Robin M, et al. **Nouv Presse Med** 5(4):192–4, 24 Jan 76 (Eng. Abstr.) **(Fre)**

[Storage of histamine in the blood following liberation from liver and antrum through trypsin: protective mechanism or a factor promoting pancreatic shock] Tauber R, et al. **Langenbecks Arch Chir** Suppl:213–6, 1975 (Eng. Abstr.) **(Ger)**

[Septic shock in acute surgical infection in children] Kaplan VM. **Klin Khir** (8):1–4, Aug 75 (Eng. Abstr.) **(Rus)**

[Acute cardiovascular insufficiency in infectious diseases in children] Libov AL, et al. **Pediatriia** (1):31–2, Jan 74 **(Rus)**

[The role of serum proteinase and anti-proteinase activity in the development of shock in myocardial infarct and acute pancreatitis] Sakharchuk II. **Fiziol Zh** 20(6):768–72, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

METABOLISM

Low plasma ionized calcium and response to calcium therapy in critically ill man. Drop LJ, et al. **Anesthesiology** 43(3):300–6, Sep 75

Influence of pharmacologic agents on tissue metabolism in circulatory shock. Schumer W. **Crit Care Med** 3(3):109–14, May–Jun 75

Alterations in splanchnic cyclic nucleotide levels in splanchnic artery occlusion shock and their modification by dexamethasone. Goldfarb RD, et al. **Eur J Pharmacol** 37(1):63–70, May 76

The role of histamine in burn, tourniquet and endotoxin shock in mice. Markley K, et al. **Eur J Pharmacol** 33(2):255–65, Sep–Oct 75

Energy metabolism in shock. Fritz SD. **Heart Lung** 4(4):615–8, Jul–Aug 75

Metabolism during shock and sepsis. Schumer W. **Heart Lung** 5(3):416–21, May–Jun 76

Disturbance and compensation of cellular cation activity during anoxia and in shock. pp. 335–40. Kessler M, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Clearance of prostaglandin F2ALPHA during circulatory shock. Flynn JT, et al. **Life Sci** 17(11):1699–1705, 1 Dec 75

The shocking consequences of defective ionic translocation in mitochondria. Jones GR. **Med Hypotheses** 1(3):118–27, May–Jun 75 (239 ref.)

Myocardial metabolism during acute shock induced by hemorrhage, endotoxin, or physostigmine infusion. Spitzer JJ. **Recent Adv Stud Cardiac Struct Metab** 3:161–7, 1973

[Albumin kinetics in superior mesenteric artery shock in rats] Stauch GW, et al. **Nuklearmedizin** 15(3):146–51, Jun 76 (Eng. Abstr.) **(Ger)**

[Lung metabolism in shock lung] von Wichert P. **Verh Dtsch Ges Inn Med** 81:444–55, 1975 **(Ger)**

MORTALITY

[Survival rate of dogs in the recovery period after prolonged hypovolemic hypotension] Kozhura VL. **Biull Eksp Biol Med** 80(10):39–40, Oct 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The incidence of the shock syndrome in a general hospital. Ledingham IM, et al. **Postgrad Med J** 50(585):420–4, Jul 74

PATHOLOGY

The relationship of actin and myosin filaments within myocardial zonal lesions. Unger SW, et al. **Am J Pathol** 80(3):471–80, Sep 75

Electron microscopic investigations on the adrenal medulla in histamine shock in guinea pigs. Kmieć B, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):61–2, 1976

Effects of shock on the pancreatic acinar cell. Cellular and subcellular effects in humans. Jones RT, et al. **Arch Pathol** 99(12):634–44, Dec 75

The role of hypovolemic stress in the production of fat embolism in rabbits. 1. Morphologic alterations of the lungs. Cotev S, et al. **Chest** 69(4):523–8, Apr 76

Mucosal lesions in the human small intestine in shock. Haglund U, et al. **Gut** 16(12):979–84, Dec 75

Pathology of shock. Mittermayer C. **Med Welt** 26(33–34):1473–4, 22 Aug 75

Surface electron microscopical changes of the gastric mucosa in experimental porcine stress ulceration. Myllärniemi H, et al. **Scand J Gastroenterol** 10(8):833–8, 1975

[Morbid-anatomical findings in human bone marrow in shock (author's transl)] Schubert GE. **Klin Wochenschr** 53(10):481–8, 15 May 75 (Eng. Abstr.) **(Ger)**

[Pathology of the shock lung] Mittermayer C. **Verh Dtsch Ges Inn Med** 81:437–43, 1975 **(Ger)**

[Proceedings: Behavior of fibrinolytic potentials in pulmonary vessels during shock] Büsing CM, et al. **Verh Dtsch Ges Pathol** 59:466, 1975 **(Ger)**

[Fibrin clots in placental vessels in intrauterine shock (author's transl)] Becker V. **Virchows Arch [Pathol Anat]** 369(3):259–67, 16 Feb 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Arachidonic acid in splanchnic artery occlusion shock. Bridenbaugh GA, et al. **Am J Physiol** 231(1):112–9, Jul 76

Cerebral blood flow and brain function during hypotension and shock. Kovách AG, et al. **Annu Rev Physiol** 38:571–96, 1976 (238 ref.)

Blocking the immediate pulmonary response to shock by induced thrombocytopenia. Nelson WR, et al. **Bibl Anat** 13:283–4, 1975

Tissue blood flow and oxygen transport in critically ill patients. Bryan-Brown CW. **Crit Care Med** 3(3):103–8, May–Jun 75

Reduction in colloid osmotic pressure associated with fatal progression of cardiopulmonary failure. Morissette M, et al. **Crit Care Med** 3(3):115–7, May–Jun 75

Hemodynamic patterns in shock and critically ill patients. Villazón SA, et al. **Crit Care Med** 3(6):215–21, Nov–Dec 75

The effect of dextran 40 on capillary flow, transcapillary exchange and tissue acidosis of skeletal muscle in an experimental shock model in the dog. pp. 485–8. Appelgren LK, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Cardiac output in shock from dye dilution curves using five methods for area analysis. pp. 267–72. Sekelj P, et al.
In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.

Microcirculatory and rheologic changes in shock. pp. 16–22. Messmer K, et al.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

Monitoring of shock patients by direct and continuous measurement of oxygen uptake. pp. 6–11. Neuhof H, et al.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

Pathophysiology of shock as a basis for monitoring and therapy for the critically ill patient. pp. 23–40. Shoemaker WC.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

In vivo studies of impaired microcirculation in shock induced by changes in red cell shape following norepinephrine application. pp. 41–5. Wendling P, et al.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

A 'shocking' ten years at the square—mechanisms of experimental shock. West GB. **J Pharm Pharmacol** 28(4 SUPPL):375–8, Apr 76

Cerebral and hepatic blood flow measured during shock using the mass spectrometer. Gerratana FJ, et al. **J Surg Res** 20(5):489–92, May 76

Bilaterally small kidneys in shock. Katzberg RW, et al. **JAMA** 235(20):2213–4, 17 May 76

The physiopathology of shock. Van de Walle J, et al. **Med Welt** 26(33–34):1470–3, 22 Aug 75

[Effects of Tham, isoprenaline and propranolol on the blood flow and vascular resistance of the liver after clamping of the afferent and efferent vessels. Relation to splanchnic shock] Stoitchcov E, et al. **J Chir (Paris)** 109(3):369–86, Mar 75 (Eng. Abstr.) **(Fre)**

[Unpublished morpho-functional aspects of vasoconstriction in shock] Brînzeu P, et al. **Morphol Embryol (Bucur)** 21(2):145–7, 1975 **(Fre)**

[Hemodynamics and myocardial contractility in experimental tourniquet-shock] Stock W, et al. **Basic Res Cardiol** 71(2):133–49, Mar–Apr 76 (Eng. Abstr.) **(Ger)**

[Letter: Temperature regulation in shock] Hensel H. **Dtsch Med Wochenschr** 101(19):760, 7 May 76 **(Ger)**

[Determination of intravasal volume loss in arteria mesenterica superior shock in the rat and attempt for adequate substitution therapy] Boettcher I, et al. **Langenbecks Arch Chir** Suppl:191–5, 1975 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of the shock lung] Keller R, et al. **Verh Dtsch Ges Inn Med** 81:478–85, 1975 **(Ger)**

[Effect of volume substitution and dopamine on capillary circulation of muscles and capillary transport capacity in circulatory shock of man] Schönborn H, et al. **Verh Dtsch Ges Inn Med** 81:719–21, 1975 **(Ger)**

[Experimental study of the intra-renal distribution of the blood during shock] Hinami S. **Jpn J Anesthesiol** 24(10):953–64, Oct 75 (Eng. Abstr.) **(Jpn)**

[Physiopathology of shock—cardiovascular aspect] Okada K, et al. **Jpn J Anesthesiol** 25(3):227–36, Mar 76 (Eng. Abstr.) **(Jpn)**

[Physiopathology of shock—gas changes during shock] Okada K, et al. **Jpn J Anesthesiol** 25(4):339–48, Apr 76 (70 ref.) (Eng. Abstr.) **(Jpn)**

[Pathogenosis of shock lung] Takano Y. **Jpn J Anesthesiol** 24(5):472–8, May 75 (Eng. Abstr.) **(Jpn)**

[Physiological effect of myocardial depressant factor (author's transl)] Kosugi I, et al. **Respir Circ (Tokyo)** 23(9):805–10, Sep 75 (Eng. Abstr.) **(Jpn)**

[Role of the cardiovascular and lymphatic systems in the regulation of blood coagulation in heterotransfusion shock] Mishchenko VP, et al. **Patol Fiziol Eksp Ter** (1):50–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Characteristics of disorders of blood circulation and cardiodynamics in hypovolemia under clinical and experimental conditions] Dushanin SA, et al. **Probl Gematol Pereliv Krovi** 19(2):33–6, Feb 74 **(Rus)**

[Changes in the blood and urine in percussive overloads] Simonov EE, et al. **Voen Med Zh** (7):53–5, Jul 75 **(Rus)**

PREVENTION & CONTROL

[Controlled hypothermia of ischemic extremities for the prevention of tourniquet shock] Stock W, et al. **Langenbecks Arch Chir** Suppl:207–12, 1975 (Eng. Abstr.) **(Ger)**

[Round table discussion. Prevention and therapy of the shock lung] **Verh Dtsch Ges Inn Med** 81:486–7, 1975 **(Ger)**

THERAPY

The treatment of shock. Walt AJ, et al. **Adv Surg** 9:1–39, 1975 (36 ref.)

Effect of antilymphocyte serum (ALS) on shock in rats. Ringle DA, et al. **Am J Physiol** 230(1):178–87, Jan 76

Comparison of the relative effectiveness of whole blood transfusions and various types of fluid therapy in resuscitation. Shoemaker WC. **Crit Care Med** 4(2):71–8, Mar–Apr 76

The role of albumin and oncotically active fluids in shock. Skillman JJ. **Crit Care Med** 4(2):55–61, Mar–Apr 76

Medical approach to the hypotensive patient and the patient in shock. Jahre JA, et al. **Heart Lung** 4(4):577–87, Jul–Aug 75

MAST: the military anti-shock trouser. pp. 269–73. Billberry G, et al.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Current concepts in the initial therapy of shock. pp. 3–20. Boyd DR.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Pathophysiology and therapy of shock. pp. 51–76. Shoemaker WC.
In: Walker WF, Taylor DE, ed. Intensive care. Edinburgh, Churchill Livingstone, 1975. W3 PF268 1973i.

Juvenile hysteria and primary shock: report of case. Griffith DE. **J Dent Child** 42(4):299–300, Jul–Aug 75

Practical therapy of shock. Rocmans P, et al. **Med Welt** 26(33–34):1477–8, 22 Aug 75

Organization and equipment of intensive care units. Rolly G, et al. **Med Welt** 26(33–34):1469–70, 22 Aug 75

Approaches to the problem of shock. Dagher FJ. **Mid East J Anaesthesiol** 4(3):165–75, Oct 74

First aid-3. Haemorrhage and shock. Bradley D. **Nurs Times** 71(36):1409–13, 4 Sep 75

Should vasopressin be administered before, during or after volume replacement? Skivolocki WP, et al. **Rev Surg** 32(4):296–7, Jul–Aug 75

A walking blood donor program for seriously ill premature infants. Hattersley PG, et al. **Transfusion** 16(4):366–9, Jul–Aug 76

[Intensive treatment of hypovolemic shock] Kabakchiev S. **Khirurgiia (Sofiia)** 28(3):209–13, 1975 (Eng. Abstr.) **(Bul)**

[Therapy of circulatory arrest] Pichlmayr I. **Anaesthesiol Intensivmed Prax** 10(1):89–96, 1975 **(Ger)**

[Administration of glucose 33 p.c. with added high doses of insulin within a scheme of early total parenteral alimentation to patients with shock-related excessive caloric demand (author's transl)] Haider W, et al. **Anaesthesist** 24(7):289–98, Jul 75 (Eng. Abstr.) **(Ger)**

[Infusion treatment in shock] Esser H. **Infusionstherapie** 2(6):424–8, Dec 75 (Eng. Abstr.) **(Ger)**

[A system of PaO2-regulated oxygen supply in patients with shock lung] Kunke S, et al. **Verh Dtsch Ges Inn Med** 81:493–6, 1975 **(Ger)**

[The value of non-specific general therapy of shock caused by acute pancreatitis] Mircea N, et al. **Rev Chir [Chir]** 24(3):173–80, May–Jun 75 (Eng. Abstr.) **(Rum)**

VETERINARY

Therapy of shock: the corticosteroid question. Hankes GH. **Vet Clin North Am** 6(2):277–85, May 76 (13 ref.)

Clinical evaluation and management of shock in the equine patient. Meagher DM. **Vet Clin North Am** 6(2):245–55, May 76

Hypovolemic shock. Nelson AW. **Vet Clin North Am** 6(2):187–92, May 76

The unified concept of shock. Nelson AW. **Vet Clin North Am** 6(2):173–9, May 76

The role of vasoactive agents in shock therapy. Ogburn P. **Vet Clin North Am** 6(2):287–95, May 76 (12 ref.)

Post-shock complications. Stevens JB. **Vet Clin North Am** 6(2):297–309, May 76

Laboratory procedures in shock. Diagnosis and prognosis. Stevens JB. **Vet Clin North Am** 6(2):203–26, May 76

Clinical evaluation of shock in small animals. Whittick WG. **Vet Clin North Am** 6(2):227–43, May 76

Part I: intensive care and the traumatized patient. Hanssen PL, et al. **Vet Med Small Anim Clin** 71(7):915–9, Jul 76

[Pharmacological principles of shock therapy] Hapke HJ. **Dtsch Tieraerztl Wochenschr** 82(6):245–9, 5 Jun 75 (44 ref.) **(Ger)**

SHOCK, ANAPHYLACTIC see **ANAPHYLAXIS**

SHOCK, CARDIOGENIC

Cardiogenic shock: recognition and management. Rackley CE, et al. **Cardiovasc Clin** 7(2):251–8, 1975

DD and management of cardiogenic shock. Dresdale RJ. **Med Times** 104(4):50–3, Apr 76

[Physiopathology and pathogenesis of cardiogenic shock] Sodolski W, et al. **Kardiol Pol** 18(4):395–400, 1975 **(Pol)**

BLOOD

Lactate metabolism in the dog during shock from hemorrhage, cardiac tamponade or endotoxin. Daniel AM, et al. **Surg Gynecol Obstet** 143(4):581–6, Oct 76

[Significance of blood lactate in disease-course evaluation and therapy of shock] Rackwitz R, et al. **Verh Dtsch Ges Inn Med** 81:715–8, 1975 **(Ger)**

[Catecholamines and other vasoactive substances in blood in cardiogenic shock] Gratsianskiĭ NA, et al. **Kardiologiia** 16(1):32–7, Jan 76 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Chronic propranolol administration and acute myocardial infarction. Bloch A, et al. **Am Heart J** 92(1):121–2, Jul 76

Reversible cardiogenic shock after low dose oral propranolol. Swanson H, et al. **J Kans Med Soc** 76(11):260–2, Nov 75

COMPLICATIONS

[Contribution to the problem of shock as trigger mechanism in secondary acute cholecystitis (SACH). Fibrinoid thrombi in possible precurser state (author's transl)] Meissner K. **Langenbecks Arch Chir** 340(1):59–61, 24 Oct 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Letter: Neonatal and pediatric cardiovascular crisis. Steier M. **JAMA** 235(11):1105–6, 15 Mar 76

DRUG THERAPY

Beneficial effects of atropine in the pre-hospital phase of coronary care. Warren JV, et al. **Am J Cardiol** 37(1):68–72, Jan 76

Effects of intra-arterial ethanol in cardiogenic shock. Shatney CH, et al. **Cardiovasc Res** 10(1):74–80, Jan 76

Medical management of cardiogenic shock. pp. 43–7. Slonim RJ.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Fatty acid and prostaglandin composition of left ventricular myocardium from dexamethasone-treated dogs with severe

low output syndrome (LOS). Bonilla CA, et al. **Prostaglandins** 11(6):935–51, Jun 76

Circumvention of detrimental pulmonary vasoactivity of exogenous catecholamines in cardian resuscitation. McEnany MT, et al. **Surg Forum** 26:98–101, 1975

[Use of dopamine in the treatment of cardiogenic shock. Preliminary results] Chiche P, et al. **Ann Anesthesiol Fr** 16(9):705–10, Dec 75 (Eng. Abstr.) **(Fre)**

[Dopamine and shock. Preliminary clinical study of 7 cases] Dubouloz F, et al. **Ann Anesthesiol Fr** 16(9):701–3, Dec 75 (Eng. Abstr.) **(Fre)**

[Hemodynamic study of dopamine used in chronic heart failures and in cardiogenic shock as a complication of acute myocardial infarct] Flammang D, et al. **Ann Anesthesiol Fr** 16(9):669–72, Dec 75 (Eng. Abstr.) **(Fre)**

[The use of dopamine during postoperative cardiogenic shock in children. Preliminary results] Lejeune JA. **Ann Anesthesiol Fr** 16(9):679–82, Dec 75 (Eng. Abstr.) **(Fre)**

[Use of dopamine in the treatment of postoperative low cardiac output after open heart surgery. Apropos of 8 cases] Temkine J. **Sem Hop Ther** 52(1):23–5, Jan 76 **(Fre)**

[The effects of dihydroergo-corine,-cryptine and-cristine on Haemodynamics in experimental cardiogenic shock] Neuhaus G, et al. **Prakt Anaesth** 11(2):68–76, Apr 76 (Eng. Abstr.) **(Ger)**

[Studies on the therapy of shock in acute myocardial infarct] Bravi A, et al. **Boll Soc Ital Cardiol** 18(2):139–46, 1973 (Eng. Abstr.) **(Ita)**

[Use of a new sympathomimetic amine in cardiogenic shock: dopamine. Personal experience] Dauri A, et al. **Minerva Anestesiol** 42(6):445–50, Jun 76 **(Ita)**

[Experimental study on the treatment of pulmonary circulatory disturbances in cardiogenic shock] Mochizuki A. **J Jpn Assoc Thorac Surg** 24(2):95–110, Feb 76 (Eng. Abstr.) **(Jpn)**

[Letter: Dopamine] Saanum DT. **Tidsskr Nor Laegeforen** 96(9–10):598, 30 Mar 76 **(Nor)**

[Glucagon in the treatment of shock] Kędrowa S. **Pol Tyg Lek** 31(12):487–9, 22 Mar 76 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Functional significance of coronary collateral vessels in patients with acute myocardial infarction: relation to pump performance, cardiogenic shock and survival. Williams DO, et al. **Am J Cardiol** 37(3):345–51, 4 Mar 76

Low-output syndrome as a complication of open-heart surgery in 85 patients. Järvinen A. **Ann Clin Res** 7(6):379–93, Dec 75

Emergency surgical therapy of complicated acute myocardial infarction: indications and results in cardiogenic shock, intractable ventricular tachycardia, and extending infarction. pp. 445–51. Amsterdam EA, et al. **In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.**

[Pulmonary edema and cardiogenic shock as a complication following cardioversion] Kolář J, et al. **Vnitr Lek** 22(4):380–9, Apr 76 (Eng. Abstr.) **(Cze)**

[Cardiogenic shock in the course of myocardial infarction (author's transl)] Perret CL, et al. **Ther Umsch** 33(2):109–14, Feb 76 (Eng. Abstr.) **(Fre)**

[Influence of trasylol on some complications and serum activity in acute myocardial infarction (author's transl)] Wójcikiewicz O, et al. **Przegl Lek** 33(5):555–63, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Myocardial depressant factor in cardiogenic shock. Hosono K, et al. **Am Heart J** 91(1):126–8, Jan 76

Myocardial metabolism in experimental cardiogenic shock. Cronin RF, et al. **Recent Adv Stud Cardiac Struct Metab** 1:95–100, 1972

MORTALITY

Cardiogenic shock: can the prognosis be improved? Evans RW. **Postgrad Med** 58(7):79–85, Dec 75 (37 ref.)

PHYSIOPATHOLOGY

Current concepts on mechanisms and treatment of cardiogenic shock. da Luz P, et al. **Am Heart J** 92(1):103–13, Jul 76 (88 ref.)

Clinical pathophysiology of cardiogenic shock. pp. 27–41. Bolooki H. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

Pulmonary isogravimetric capillary pressures in canine cardiogenic shock: effect of alpha adrenergic stimulation and blockade. Romero LH, et al. **J Surg Res** 20(6):545–52, Jun 76

[Hemodynamic quantification of cardiogenic shock using an index] Bleifeld W. **Hippokrates** 46(2):262–4, Jun 75 **(Ger)**

[State of cerebral and peripheral hemodynamics according to multichannel rheographic data in cardiogenic shock] Erokhina LG, et al. **Zh Nevropatol Psikhiatr** 74(3):378–84, 1974 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Retrograde coronary capillary perfusion for prevention and reversal of cardiogenic shock in experimental myocardial infarction. Carabello BA, et al. **Ann Thorac Surg** 21(5):405–11, May 76

Intraoperative unidirectional intra-aortic balloon pumping in the management of left ventricular power failure. Bregman D, et al. **J Thorac Cardiovasc Surg** 70(6):1010–23, Dec 75

SURGERY

Patient selection for cardiac surgery in left ventricular power failure. Cascade PN, et al. **Arch Surg** 110(11):1363–7, Nov 75

Assessment of intra-aortic balloon counterpulsation in cardiogenic shock. Bregman D. **Crit Care Med** 3(3):90–3, May-Jun 75

Counterpulsation in experimental cardiogenic shock with ventricular arrhythmias. The antiarrhythmic effect of morphine. Goiti JJ, et al. **J Cardiovasc Surg (Torino)** 17(1):38–42, Jan-Feb 76

Surgery for cardiogenic shock. Miller MG, et al. **Lancet** 2(7893):1342–5, 7 Dec 74

[Contribution of veino-arterial shunt during cardiogenic shock due to septal rupture resistant to diastolic counterpulsation] Loisance DY, et al. **Coeur Med Interne** 14(3):435–7, Jul-Sep 75 (Eng. Abstr.) **(Fre)**

THERAPY

Successful use of intra-aortic balloon counterpulsation in the treatment of refractory intraoperative cardiogenic shock. Housman LB, et al. **Am Surg** 41(9):535–7, Sep 75

Effects of intra-aortic balloon pumping on experimental acute myocardial ischaemia. Järvinen A, et al. **Ann Chir Gynaecol Fenn** 64(5):310–6, 1975

Intra-aortic ballon pumpimg in the treatment of myocardial failure complicating open-heart surgery. Järvinen A. **Ann Chir Gynaecol Fenn** 64(6):359–64, 1975

Extended use of intra-aortic balloon pumping in peripartum cardiomyopathy. Brantigan CO, et al. **Ann Surg** 183(1):1–4, Jan 76

Editorial: Intraaortic balloon pumping. Webb WR. **Ann Thorac Surg** 21(6):571–2, Jun 76

Proceedings: Intra-aortic balloon assistance in cardiogenic shock after myocardial infarction or cardiac surgery. Jackson G, et al. **Br Heart J** 38(3):316, Mar 76

Echocardiography of the intra-aortic balloon. Weir J, et al. **Br Heart J** 37(10):1045–8, Oct 75

Intra-aortic balloon counterpulsation in acute cardiogenic shock. Masters TN, et al. **Coll Works Cardiopulm Dis** 20:13–24, Dec 75

Letters: The use of intra-aortic balloon counterpulsation in the management of cardiogenic shock. Hojnacki LH. **Heart Lung** 4(4):628, Jul-Aug 75

Medical approach to the hypotensive patient and the patient in shock. Jahre JA, et al. **Heart Lung** 4(4):577–87, Jul-Aug 75

Treatment of acute power failure including assisted circulation. pp. 165–6. Mason DT. **In: Gordon MS, ed. Self-assessment in clinical cardiology. Chicago, Year Book Medical Publishers, 1974. WG 100 T253s 1974.**

Circulatory assistance with intra-aortic balloon pump. pp. 116–9. Piegas LS, et al. **In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.**

Clinical evaluation in synchronous external counterpulsation in cardiogenic shock. Soroff HS, et al. **J Cardiovasc Surg (Torino)** Spec No:752–6, 1973

Evaluation of a nonhemolytic left ventricular assist pump. Myerowitz PD, et al. **J Surg Res** 20(5):493–8, May 76

Cardiovascular assist devices in cardiogenic shock. Gunnar RM, et al. **JAMA** 236(14):1619–21, 4 Oct 76

Use of the intra-aortic balloon pump in treating postoperative low cardiac output. Behrendt DM, et al. **Mich Med** 74(24):455–7, Aug 75

Pharmacological control of cardiac metabolism during acute heart failure. Vašku J, et al. **Recent Adv Stud Cardiac Struct Metab** 3:817–29, 1973

Prevention of heart failure in dogs during arterial hypoxaemia by means of intra-aortic balloon pumping. De Vivie R, et al. **Resuscitation** 3(4):241–8, 1974

Intra-aortic balloon pumping in cardiogenic shock. Brantigan CO, et al. **Rocky Mt Med J** 73(1):44–50, Jan-Feb 76

[Evaluation of 2 years' experience with assisted circulation by diastolic counterpulsation] Vernant P, et al. **Ann Med Interne (Paris)** 126(1):1–9, Jan 75 (Eng. Abstr.) **(Fre)**

[Diastolic reinforecement by intra-aortic balloon. Critical review of temorary mechanical ventricular assistance technic] Loisance D. **Biomedicine** 22(4):262–75, Jul 75 (140 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of cardiogenic shock after acute myocardial infarction with intra-aortic balloon counterpulsation (author's transl)] Grosser KD, et al. **Dtsch Med Wochenschr** 101(23):877–82, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Clinical and haemodynamic results with intra-aortic counterpulsation (author's transl)] Grube E, et al. **Dtsch Med Wochenschr** 100(39):1968–73, 26 Sep 75 (Eng. Abstr.) **(Ger)**

[New methods of circulatory support: cardiac transplant as auxiliary pump (author's transl)] Nasseri M, et al. **Langenbecks Arch Chir** 338(3):225–33, 9 Jun 75 (Eng. Abstr.) **(Ger)**

[Intra-aortic balloon pumping in cardiogenic shock after cardiac surgery (author's transl)] Spiller P, et al. **Thoraxchirurgie** 23(4):364–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Intra-aortic balloon pumping] **Jpn J Thorac Surg** 29(1):72–3, Jan 76 **(Jpn)**

[Treatment of cardiogenic shock (author's transl)] Ayabe T. **Respir Circ (Tokyo)** 24(5):413–8, May 76 **(Jpn)**

[Management and therapeutic results in myocardial infarct shock] Poleszak J, et al. **Wiad Lek** 29(5):365–70, 1 Mar 76 (Eng. Abstr.) **(Pol)**

[Results of the use of the counter-pulsation balloon in experimental post coronary oclussion cardiogenic shock in closed thorax] Malpartida F, et al. **Arch Inst Cardiol Mex** 45(5):523–36, Sep-Oct 75 (Eng. Abstr.) **(Spa)**

VETERINARY

Cardiogenic shock. Ogburn P. **Vet Clin North Am** 6(2):181–6, May 76

SHOCK, ENDOTOXIC

Potency of purified tuberculin determined by the shock method on hamsters. Jespersen A. **Acta Pathol Microbiol Scand [C]** 84(1):1–4, Feb 76

Clinical aspects in surgical patients. Altemeier WA. **Antibiot Chemother** 21:184–6, 1976

Gram-negative shock: definition, diagnosis and mechanisms. Weil MH, et al. **Antibiot Chemother** 21:178–83, 1976

Bacterial shock. Shubin H, et al. **JAMA** 235(4):421–4, 26 Jan 76

[Septic shock in pyelonephritis during pregnancy] Uszyński M, et al. **Wiad Lek** 29(9):823–6, 1 May 76 (Eng. Abstr.) **(Pol)**

BLOOD

Lactate metabolism in the dog during shock from hemorrhage, cardiac tamponade or endotoxin. Daniel AM, et al. **Surg Gynecol Obstet** 143(4):581–6, Oct 76

Hypoglycemic effects of endotoxin in eviscerated dogs. Peyton MD, et al. **Surg Gynecol Obstet** 141(5):727–30, Nov 75

Anticoagulant release during shock. Maki M, et al. **Thromb Res** 8(2 suppl):159–63, May 76

[Response of kinin-kallikrein system in septic shock] **J Jpn Stomatol Soc** 24(4):337–51, 1975 **(Jpn)**

[Changes in serum labile phosphate in experimental endotoxemia in rabbits] Dragomirescu M, et al. **Rev Ig [Bacteriol]** 19(5):401–4, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Experimental investigations into the pathogenesis of endocarditis due to shock. Freudenberg N, et al. **Beitr Pathol** 155(3):248–62, Jul 75

Experimental investigations on the role of the central nervous system in shock induced by intravenous and intracisternal injection of endotoxin. Biochemical, physiological and morphological studies. pp. 171–8. Schmahl FW, et al. **In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.**

Hyperinsulinism in endotoxin shock dogs. Blackard WG, et al. **Metabolism** 25(6):675–84, Jun 76

[The role of cardiac insufficiency in septic shock. Physiopathologic and therapeutic considerations] Faye C. **Anesth Analg (Paris)** 32(4):523–56, Jul-Aug 75 **(Fre)**

[Intravascular coagulation disorder in septic shock] Bíró L, et al. **Orv Hetil** 116(49):2700–1, 7 Dec 75 **(Hun)**

[Possibilities of correcting some metabolic disorders in experimental endotoxic shock by treatment with a combination of alpha-lipoic acid and epsilon aminocaproic acid] Dragomirescu M, et al. **Rev Ig [Bacteriol]** 21(1):29–32, Jan-Mar 76 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Bacteriological diagnosis. Kirby MM. **Antibiot Chemother** 21:189–90, 1976

Postsurgical sepsis. Moore FD. **Antibiot Chemother** 21:176–7, 1976

[Septicaemic-endotoxic shock: problems of early diagnosis and treatment (author's transl)] Ritz R. **Dtsch Med Wochenschr** 100(33):1667–72, 15 Aug 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Glucocorticoid effect on hepatic carbohydrate metabolism in the endotoxin-shocked monkey. Schuler JJ, et al. **Ann Surg** 183(4):345–54, Apr 76

Steroids in the treatment of clinical septic shock. Schumer W. **Ann Surg** 184(3):333–41, Sep 76

Steroids in septic shock. Altemeier WA. **Antibiot Chemother** 21:201–3, 1976

Antimicrobial therapy. Kirby MM. **Antibiot Chemother** 21:191–2, 1976

Hazards of multiple sequential broad-spectrum antibiotics. Moore FD. **Antibiot Chemother** 21:204–7, 1976

Vasoactive agents and fluid replacement. Moore FD. **Antibiot Chemother** 21:196–7, 1976

Glucocorticoids. Seneca H. **Antibiot Chemother** 21:198–200,

1976

Antibiotics and endotoxic shock. McCabe WR. **Bull NY Acad Med** 51(9):1084–95, Oct 75

Effects of early administration of corticosteroids in clinical septic shock. pp. 71–91. Shatney CH, et al. **In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.** (46 ref.)

Inhibition of lethality in endotoxin-challenged mice treated with zinc chloride. Snyder SL, et al. **Infect Immun** 13(3):998–1000, Mar 76

Glucocorticoid therapy in sepsis/shock caused by gram-negative microorganisms. Seneca H, et al. **J Am Geriatr Soc** 23(11):493–502, Nov 75

Drug action, reaction, and interaction. III. Dopamine for endotoxic shock. Schwarz R, et al. **J Clin Pharmacol** 16(2–3):88–98, Feb–Mar 76 (75 ref.)

Letter: Management of bacterial shock. Mimuth JN. **JAMA** 236(7):819–20, 16 Aug 76

Differential effect on ouabain on survival of endotoxemic rats. Schuler JJ, et al. **Surg Forum** 26:11–3, 1975

[Cortisone and Liquemin therapy of septic shock in peritonitis] Burkhardt K, et al. **Chirurg** 47(6):322–5, Jun 76 **(Ger)**

[Treatment of peritonitis within the scope septic shock with antibiotics] Eckert P, et al. **Chirurg** 47(6):318–21, Jun 76 **(Ger)**

[Combined therapy of septic shock using steroids and a proteinase inhibitor] Ramirez Acosta JA, et al. **Med Welt** 26(41):1886–90, 10 Oct 75 **(Ger)**

[Experimental study on the treatment of pulmonary circulatory disturbance in endotoxic shock] Iwakura S. **J Jpn Assoc Thorac Surg** 24(2):111–27, Feb 76 (Eng. Abstr.) **(Jpn)**

[Proceedings: Effective use of phenoxybenzamine in a case of bacterial shock] Hirano A, et al. **Jpn Circ J** 39(7):873, Jul 75 **(Jpn)**

[Effects of estrogen on endotoxic-shock (1)] Imai T, et al. **Jpn J Anesthesiol** 25(2):179–84, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

[Effects of adrenal cortex hormone in endotoxic shock, with special reference to its effect on cardiac function and myocardial depressant factor] Kosugi I, et al. **Jpn J Anesthesiol** 25(2):171–8, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

[Anti-shock effect of corticosteroids—comparative study of hydrocortisone, methylprednisolone, dexamethansone, and betamethasone] Ogawa R. **Jpn J Anesthesiol** 24(13):1358–62, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Urologic sepsis/shock. Seneca H, et al. **J Am Geriatr Soc** 24(7):292–300, Jul 76

[Bacterial shock due to amaerobic infection in acute gangrenous necrotic perineal phlegmon (author's transl)] Spunda J, et al. **Cas Lek Cesk** 114(41):1264–7, 10 Oct 75 (Eng. Abstr.) **(Cze)**

[Lesions of the small intestine during gram negative septicemia. Apropos of one case] Janvier G, et al. **Nouv Presse Med** 5(24):1529–30, 12 Jun 76 **(Fre)**

[Enterobacteria and endotoxins in abdominal surgical pathology. Critical review and clinico-experimental studies] Fumarola D, et al. **Minerva Chir** 30(20):1040–8, 31 Oct 75 (Eng. Abstr.) **(Ita)**

[Complement-endotoxin system interrelations. II. Role of the complement system and other effector systems in production of endotoxic shock] Negut EA. **Rev Ig [Bacteriol]** 20(1):1–14, Jan–Mar 75 (106 ref.) (Eng. Abstr.) **(Rum)**

[Premise for the pathogenetic definition of toxinfectious and endotoxic shock states] Buşilă VT, et al. **Rev Med Intern [Med Intern]** 27(4):249–57, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

[Possibilities of development of infectious-toxic shock in some infectious diseases] Bunin KV, et al. **Ter Arkh** 47(8):27–32, 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

In vivo decomplementation of guinea pigs with cobra venom factor and anti-C3 serum: analysis of the requirement of C3 and C5 for the mediation of endotoxin-induced death. Drake WP, et al. **Biomedicine [Express]** 25(3):91–4, May 76

Letter: Complement activation in septic shock. Robin M, et al. **N Engl J Med** 293(24):1261–2, 11 Dec 75

Blood endotoxin inactivation after trauma and endotoxicosis. Filkins JP. **Proc Soc Exp Biol Med** 151(1):89–92, Jan 76

[Endotoxin-complement system interrelationships. Part I. Activation of the complement system by endotoxins] Negut EA. **Rev Ig [Bacteriol]** 19(5):353–64, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

METABOLISM

The role of histamine in burn, tourniquet and endotoxin shock in mice. Markley K, et al. **Eur J Pharmacol** 33(2):255–65, Sep–Oct 75

Myocardial metabolism during acute shock induced by hemorrhage, endotoxin, or physostigmine infusion. Spitzer JJ. **Recent Adv Stud Cardiac Struct Metab** 3:161–7, 1973

Experimental endotoxemia: does it simultate metabolism in septic shock? O'Donnell TF Jr, et al. **Surg Forum** 26:25–6, 1975

OCCURRENCE

Gram-negative sepsis and endotoxic shock (lecture). Seneca H, et al. **Antibiot Chemother** 21:52–61, 1976

PATHOLOGY

Clinical pathology of the Jarisch-Herxheimer reaction. Bryceson AD. **J Infect Dis** 133(6):696–704, Jun 76

Clinical pathology of the Jarisch-Herxheimer reaction. Bryceson AD. **J Infect Dis** 133(6):696–704, Jun 76

[Proceedings: Endothelial changes following endotoxin-induced shock] Freudenberg N, et al. **Verh Dtsch Ges Pathol** 59:464, 1975 **(Ger)**

PHYSIOPATHOLOGY

Gram-negative shock. Hardaway RM 3d. **Antibiot Chemother** 21:208–15, 1976

Isoproterenol, endotoxin shock, and the generalized shwartzman reaction. Collins AD, et al. **Arch Pathol Lab Med** 100(6):315–7, Jun 76

The effect of endotoxin shock on the aortic endothelium of young rats. Freudenberg N, et al. **Beitr Pathol** 156(1):1–15, Sep 75

The effects of corticosteroids on systemic oxygenation and pulmonary shunting in septic shock. pp. 92–101. Shatney CH, et al. **In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.** (29 ref.)

Studies on endotoxin shock. pp. 169–74. Ishiyama S, et al. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.**

Prostaglandins and the hemodynamic course of endotoxin shock. Fletcher JR, et al. **J Surg Res** 20(6):589–94, Jun 76

The effect of endotoxin on general and coronary haemodynamics and metabolism, and its relation in certain infectious diseases. Maxwell GM. **Paediatr Indones** 15(9–10):262–8, Sep–Oct 75

The effects of coronary vasodilatation on cardiac performance during endotoxin shock. Peyton MD, et al. **Surg Gynecol Obstet** 143(4):533–8, Oct 76

Pathophysiologic alterations during bacterial infusions for the study of bacteremic shock. Postel J, et al. **Surg Gynecol Obstet** 141(5):683–92, Nov 75

[Experimental acute endotoxic shock] Vyhnánek F, et al. **Rozhl Chir** 55(4):232–8, Apr 76 **(Cze)**

[Myocardial incompetence in septic shock] Monsallier JF, et al. **Nouv Presse Med** 4(40):2877–80, 22 Nov 75 **(Fre)**

[Physiopathology of septic shock in peritonitis] Sill V. **Chirurg** 47(6):305–7, Jun 76 **(Ger)**

[Pathogenetic mechanism of distribution of pulmonary circulation in endotoxin shock] Shobayashi M. **J Jpn Assoc Thorac Surg** 23(10):1246–57, Oct 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies of the heart functions with induced endotoxin shock] Imai T. **Jpn J Anesthesiol** 24(6):552–61, Jun 75 (Eng. Abstr.) **(Jpn)**

[Effect of dopamine on pulmonary circulation in experimental endotoxic shock] Cybulska I. **Kardiol Pol** 18(4):335–45, 1975 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Glucocorticoid and antibiotic effect on experimental gram-negative bacteremic shock. Pitcairn M, et al. **Arch Surg** 110(8):1012–5, Aug 75

Protection against the effects of endotoxemia by glucocorticoids. Nicholas GG, et al. **J Surg Res** 19(5):321–4, Nov 75

[1st experiences on the protective effect of Limulus polyphemus amebocyte lysate in the endotoxic shock in the rat] Fumarola D, et al. **Ann Sclavo** 17(2):140–5, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[First experiences on the protective effect of Limulus polyphemus amebocyte lysate in endotoxic shock in the rat] Fumarola D, et al. **G Batteriol Virol Immunol** 67(7–12):246–50, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

SURGERY

[Surgical treatment of peritonitis within the scope of septic shock] Zühlke V. **Chirurg** 47(6):312–7, Jun 76 **(Ger)**

THERAPY

Septic shock. Delooz H. **Acta Clin Belg** 30(3):236–40, 1975

Total body washout for the treatment of endotoxin shock. An experimental study. Nakamura Y, et al. **Arch Surg** 111(7):783–6, Jul 76

Prolonged moderate hypothermia and experimental endotoxin shock. Engle RL, et al. **J Surg Res** 21(1):7–16, Jul 76

[Course and treatment of endotoxinemia and endotoxic shock] Hájek M. **Rozhl Chir** 55(4):227–31, Apr 76 (Eng. Abstr.) **(Cze)**

[General therapy of septic shock] Schilling K. **Chirurg** 47(6):308–11, Jun 76 **(Ger)**

VETERINARY

Endotoxic shock. McClure JJ. **Vet Clin North Am** 6(2):193–202, May 76

[Comparative studies on the pathology and pathogenesis of spontaneous coli enterotoxemia and experimental coli endotoxin syndrome in swine. VI. Studies on pathomorphology of the lung, liver, kidney in spontaneous colienterotoxemia and experimental coli endotoxin syndrome] Johannsen U. **Arch Exp Veterinaermed** 28(2):275–301, 1974 (Eng. Abstr.) **(Ger)**

SHOCK, HEMORRHAGIC

Method for estimation of the perfusion defect in shock. Shoemaker WC, et al. **J Surg Res** 20(2):77–84, Feb 76

[Hemorrhagic shock] Dedichen H. **Tidsskr Nor Laegeforen** 95(32):1825–30, 20 Nov 75 (Eng. Abstr.) **(Nor)**

BLOOD

The effect of arfonad on blood proteins and nitrogen components in experimental shock. Kiersz J, et al. **Acta Physiol Pol** 26(3):229–39, May–Jun 75 **(Eng, Eng)**

The effect of heparin and of acid–citrate–dextrose solution on screen filtration pressure of blood in experimental hypotension. Pardy BJ, et al. **Br J Surg** 62(9):713–5, Sep 75

Angiotensin II and vasopressin in haemorrhagic shock. Tehrani MA, et al. **Br J Surg** 62(8):665, Aug 75

Levels of allantoin and uric acid in dogs subjected to hemorrhagic shock. Simeone FA, et al. **J Surg Res** 19(6):373–80, Dec 75

Blood affinity for oxygen in experimental hemorrhagic shock with metabolic acidosis. Lecompte F, et al. **Pfluegers Arch** 359(1–2):147–55, 29 Aug 75

Lactate metabolism in the dog during shock from hemorrhage, cardiac tamponade or endotoxin. Daniel AM, et al. **Surg Gynecol Obstet** 143(4):581–6, Oct 76

Species differences in insulin secretory responses during hemorrhagic shock. Hiebert JM, et al. **Surgery** 79(4):451–5, Apr 76

Anticoagulant release during shock. Maki M, et al. **Thromb Res** 8(2 suppl):159–63, May 76

COMPLICATIONS

Sepsis, resuscitated hemorrhagic shock and 'shock lung:' An experimental correlation. Esrig BC, et al. **Ann Surg** 182(3):218–27, Sep 75

The effect of hemorrhagic shock on disseminated intravascular coagulation. Hardaway RM, et al. **Ann Surg** 184(1):43–5, Jul 76

Skeletal muscle metabolites as possible indicators of imminent death in acute hemorrhage. Amundson B, et al. **Eur Surg Res** 8(4):311–20, 1976

Modification of procine stress ulceration by methylprednisolone, vitaminA and methysergide treatment. Kivilaakso E, et al. **Eur Surg Res** 8(4):281–8, 1976

The role of complement in hemorrhagic shock syndrome (Dengue). pp. 151–9. Bokisch VA. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Pathological effects of aspirin and of haemorrhagic schock on the gastric mucosa of the rat. pp. 253–62. Harding RK, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

The centrineurogenic etiology of the respiratory distress syndrome: protection by unilateral chronic pulmonary denervation in hemorrhagic shock. Moss G, et al. **J Trauma** 16(5):361–4, May 76

An experimental correlation of sepsis, resuscitated hemorrhagic shock, and 'shock lung'. Esrig BC, et al. **Rev Surg** 33(2):143–6, Mar–Apr 76

Acute renal failure in trauma patients. Humphreys MH, et al. **West J Med** 123(2):148–53, Aug 75

DIAGNOSIS

[Letter: False pulmonary embolism] Lecouteux D, et al. **Nouv Presse Med** 4(42):3014, 6 Dec 75 **(Fre)**

DRUG THERAPY

Inadequacy of steroids in the treatment of severe hemorrhagic shock. Raflo GT, et al. **Am J Surg** 130(3):321–7, Sep 75

Use of chloroquine in shock. Famewo CE, et al. **Can Anaesth Soc J** 22(6):687–95, Nov 75

Effect of low molecular dextran on total liver blood flow in hemorrhagic shock. Darle N, et al. **Eur Surg Res** 8(2):132–9, 1976

Interest of isoproterenol in the treatment of hemorrhagic shock in dogs. Rettmann R, et al. **Eur Surg Res** 8(4):321–36, 1976

Reversal of oliguria and renal cortical ischemia of hemorrhagic shock in the dog with tris (hydroxymethyl) amino methane (THAM). Hemodynamic studies. Jacobs RP, et al. **Invest Radiol** 10(4):273–83, Jul–Aug 75

Microcirculatory approach to the treatment of circulatory shock with a new analog of vasopressin, (2-phenylalanine, 8-ornithine)vasopressin. Altura BM. **J Pharmacol Exp Ther** 198(1):187–96, Jul 76

Failure of nicotinamide in the treatment of hemorrhagic shock. Chaudry IH, et al. **J Surg Res** 21(1):27–32, Jul 76

The effect of hypertonic glucose upon survival in hemorrhagic shock utilizing a re-stress model in sheep. Fritz SD, et al. **J Trauma** 16(4):284–9, Apr 76

Correction by hyaluronidase of the interstitial tissue transport defect during shock: a new approach to therapy. Koven IH, et al. **J Trauma** 15(11):992–8, Nov 75

Hydrocortisone in the management of dengue shock syndrome. Min M, et al. **Southeast Asian J Trop Med Public Health** 6(4):573–9, Dec 75

Beneficial effect of prostaglandin E1 in experimental hemorrhagic shock. Machiedo GW, et al. **Surg Gynecol Obstet** 143(3):433–6, Sep 76

[New aspects of shock therapy with volume expanders (author's transl)] Landauer B, et al. **Munch Med Wochenschr** 118(18):553–8, 30 Apr 76 (Eng. Abstr.) **(Ger)**

[Muscular clearance after administration of phenoxybenzamine in shock] Cardan E, et al. **Rev Chir [Chir]** 24(3):223–8, May–Jun 75 (Eng. Abstr.) **(Rum)**

[Buffered, balanced infusion solutions of lactosol] Smirnova IL, et al. **Probl Gematol Pereliv Krovi** 20(11):55–7, Nov 75 **(Rus)**

ENZYMOLOGY

Alteration in enzymal activity of liver and kidney in experimental irreversible hemorrhagic shock. Das P, et al. **Indian J Med Res** 64(2):260–6, Feb 76

Changes in plasma levels of lysosomal and non lysosomal enzymes during hemorrhagic hypotension. Arfman RC, et al. **Proc Soc Exp Biol Med** 149(4):1029–31, Sep 75

[Changes in the serum and liver guanase, transaminase and alkaline phosphatase activity in rabbits with hemorrhagic shock] Tankov I, et al. **Khirurgiia (Sofiia)** 27(5):391–8, 1974 (Eng. Abstr.) **(Bul)**

ETIOLOGY

The interplay of central and peripheral factors in irreversible hemorrhagic shock. Zweifach BW, et al. **Prog Cardiovasc Dis** 18(2):147–80, Sep–Oct 75 (309 ref.)

[Successful management of idiopathic hemopneumothorax causing hemorrhagic shock] Suzuki R, et al. **Jpn J Thorac Surg** 28(10):709–14, 1 Oct 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Blood flow and release of free fatty acids in the omentum, mesentery and subcutaneous adipose tissue of the dog in haemorrhagic shock. Kovách AG, et al. **Acta Physiol Acad Sci Hung** 45(1–2):79–87, 1974

Myocardial oxygen availability and cardiac failure in hemorrhagic shock. Lee JC, et al. **Am Heart J** 92(2):201–9, Aug 76

Interorgan transport of amino acids in hemorrhagic shock. Elwyn DH, et al. **Am J Physiol** 231(2):377–86, Aug 76

Relationship of critical uptake volume to energy production and endotoxemia in late hemorrhagic shock. Rhodes RS, et al. **Am J Surg** 130(5):560–4, Nov 75

Hemodynamic and metabolic alterations in peripheral tissue during hemorrhagic shock. Shearburn EW 3d, et al. **Am Surg** 41(11):696–703, Nov 75

Energy levels in splanchnic organs following severe haemorrhage and reinfusion. Keaveny TV, et al. **Br J Surg** 62(8):665, Aug 75

Reversal of insulin resistance by ATP in hemorrhagic shock. Chaudry IH, et al. **Can J Physiol Pharmacol** 53(5):859–65, Oct 75

The extracellular fluid space: measurement and transport function in hemorrhagic shock. pp. 168–81. Horovitz JH.

In: Sgouris JT, René A, ed. Proceedings of the Workshop on Albumin. Bethesda, NIH, 1976. WH 400 W927p 1975.

The sympatho-adrenal system and hemorrhagic shock. pp. 475–82. Avakian OM, et al.

In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Insulin metabolism in depancreatized dogs during hemorrhagic shock. Lau TS, et al. **J Surg Oncol** 8(1):49–52, 1976

Effects of allopurinol on hepatic adenosine nucleotides in hemorrhagic shock. Hopkins RW, et al. **J Surg Res** 19(6):381–90, Dec 75

Hepatic nuclear alterations in hemorrhagic shock. Lazarus HM, et al. **J Surg Res** 20(4):269–74, Apr 76

Calcium flux during hemorrhagic shock in baboons. Trunkey D, et al. **J Trauma** 16(08):633–8, Aug 76

Transmural metabolic gradients of the canine left ventricle in coronary constriction, systemic hypoxia, hemorrhagic shock, and isoproterenol infusion. Leunissen RL, et al. **Recent Adv Stud Cardiac Struct Metab** 6:145–50, 1975

Myocardial metabolism during acute shock induced by hemorrhage, endotoxin, or physostigmine infusion. Spitzer JJ. **Recent Adv Stud Cardiac Struct Metab** 3:161–7, 1973

Intracellular and extracellular acid–base changes in hemorrhagic shock. Tung SH, et al. **Respir Physiol** 26(2):229–37, Apr 76

Reversal of insulin resistance by in vivo infusion of ATP in experimental shock. Chaudry IH, et al. **Surg Forum** 26:44–6, 1975

Long-term changes in plasma volume and cellular electrolytes following hemorrhagic shock in dogs. Kenney PR, et al. **Surg Forum** 26:58–60, 1975

Inhibition of brain mitochondrial function and changes of tissue H+ and K+ concentration in hemorrhagic shock. Mela L, et al. **Surg Forum** 26:51–3, 1975

The normal electron histochemistry and the effect of hemorrhagic shock on the pulmonary surfactant system. Moss GS, et al. **Surg Gynecol Obstet** 140(1):53–8, Jan 75

Alterations in high-energy phosphates in hemorrhagic shock as related to tissue and organ function. Chaudry IH, et al. **Surgery** 79(6):666–8, Jun 76

Myocardial utilization of hypertonic glucose during hemorrhagic shock. Stremple JE, et al. **Surgery** 80(1):4–13, Jul 76

[Effect of glucagon on changes of carbohydrate metabolism in experimental hemorrhagic shock] Weber MA, et al. **Langenbecks Arch Chir** Suppl:217–9, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Hemorrhage and energy metabolism] Kobayashi S, et al. **J Physiol Soc Jpn** 36(8–9):347, 1 Sep 74 **(Jpn)**

[Oxygen concentration in the brain with special reference to evaluation of electrodes and hemorrhagic shock] Fukuhara T, et al. **Jpn J Anesthesiol** 24(13):1325–31, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Experimental study on brain mitochondrial respiration during hemorrhage shock] Matsuzaki K, et al. **Jpn J Anesthesiol** 24(12):1235–42, Nov 75 (Eng. Abstr.) **(Jpn)**

[An evaluation of skeletal muscular PO2 and PCO2 in hemorrhagic hypotension and hemodilution by mass-spectrometry (author's transl)] Kosugi I, et al. **Respir Circ (Tokyo)** 24(5):433–9, May 76 (Eng. Abstr.) **(Jpn)**

[Changes in skeletal muscle Po2 and Pco2 in hemorrhagic shock (author's transl)] Okada K, et al. **Respir Circ (Tokyo)** 24(2):149–54, Feb 76 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Heart pathology associated with exposure to high sustained +Gz. Burton RR, et al. **Aviat Space Environ Med** 46(10):1251–3, Oct 75

Absence of major morphological and functional lung changes during experimental hemorrhagic shock. Silberschmid M, et al. **Bibl Anat** 13:273–4, 1975

Tracheobronchial and pulmonary cytologic changes in shock. Freidman-Mor Z, et al. **J Trauma** 16(1):58–62, Jan 76

A clinicopathologic study of hepatic dysfunction following shock. Champion HR, et al. **Surg Gynecol Obstet** 142(5):657–63, May 76

[Ultrastructural histological study of the liver in experimental hemmorrhagic shock] Bellavia A, et al. **Chir Patol Sper** 22(6):324–38, Dec 74 (Eng. Abstr.) **(Ita)**

[Ultrastructural alterations in the myocardium caused by injury and blood loss] Bardakhch'ian EA, et al. **Patol Fiziol Eksp Ter** (5):26–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Microvascular control in intestinal mucosa of normal and hemorrhaged rats. Bohlen HG, et al. **Am J Physiol** 229(5):1159–64, Nov 75

Intramyocardial distribution of blood flow in hemorrhagic shock in anesthetized dogs. Carlson EL, et al. **Am J Physiol** 230(1):41–9, Jan 76

Effect of hemorrhagic shock on renal release of prostaglandin E. Johnston PA, et al. **Am J Physiol** 230(3):831–8, Mar 76

Primate kidney function in hemorrhagic shock as influenced by dibutyryl cyclic AMP. Selkurt EE. **Am J Physiol** 230(3):724–30, Mar 76

Hemodynamics and myocardial electrolyte (k+/na+) metabolism early in hemorrhagic shock during asphyxia. Krämer KD, et al. **Basic Res Cardiol** 71(3):270–86, May–Jun 76

Hemorrhagic shock with fixed hypotension and with spontaneous recovery of blood pressure. A comparison of two shock models. Mittmann U, et al. **Basic Res Cardiol** 71(1):47–59, Jan–Feb 76

Role of pyloric reflux in experimental stress ulceration during haemorrhagic shock. Kivilaakso E, et al. **Eur Surg Res** 7(3):129–35, 1975

Adenosine 3'5' monophosphate in experimental hemorrhagic shock. pp. 249–50. Rutenburg AM.

In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.

Transvascular fluid and protein dynamics in the lung following hemorrhagic shock. Anderson RW, et al. **J Surg Res** 20(4):281–90, Apr 76

Role of ischemia in the induction of changes in cell membrane during hemorrhagic shock. Arango A, et al. **J Surg Res** 20(5):473–6, May 76

Further analysis of lung water in baboons resuscitated from hemorrhagic shock. Holcroft JW, et al. **J Surg Res** 20(4):291–7, Apr 76

Method for estimation of the perfusion defect in shock. Shoemaker WC, et al. **J Surg Res** 20(2):77–84, Feb 76

The net insulin secretion and pancreatic blood flow in hypovolemia and in shock. Preliminary report. Bor NM. **New Istanbul Contrib Clin Sci** 11(2):70–4, Jun 75

Effect of hemorrhagic shock on intrapulmonary right–to–left shunt (QS/QT) and dead space (VD/VT). Steenblock U, et al. **Respiration** 33(2):133–42, 1976

Relationship of pulmonary capillary protein flux to irreversible hypotension following hemorrhagic shock and reinfusion. Northrup WF 3d, et al. **Surg Forum** 26:13–5, 1975

Renal function and the postresuscitative hypertension syndrome. Shier MR, et al. **Surg Forum** 26:56–8, 1975

The effect of dopamine on renal microcirculation in hemorrhagic shock in dogs. Nagakawa B, et al. **Surg Gynecol Obstet** 142(6):871–4, Jun 76

Effect of acute hemorrhage on gastrin secretion rate and blood levels of gastrin and insulin in normal dogs and in dogs after vagotomy. Terry RB, et al. **Surg Gynecol Obstet** 142(3):353–6, Mar 76

The correlation of sequential changes in the distribution of pulmonary blood flow in hemorrhagic shock with the histopathologic anatomy. Tiefenbrun J, et al. **Surgery** 78(5):618–27, Nov 75

[Total peripheral resistance and cardiac output in dogs with experimental hemorrhagic shock] Tomova I. **Eksp Med Morfol** 11(1):30–5, 1972 (Eng. Abstr.) **(Bul)**

[Myocardial contractility in dogs in hemorrhagic shock and after volumn replacement (author's transl)] Jesch F, et al. **Anaesthesist** 25(1):19–26, Jan 76 (Eng. Abstr.) **(Ger)**

[Significance of intravascular coagulation and acidosis on increase of pulmonary vascular resistance following trauma and hemorrhagic shock] Leinberger H, et al. **Langenbecks Arch Chir** Suppl:197–201, 1975 (Eng. Abstr.) **(Ger)**

[The effect of hypovolaemic shock on the pancreas (author's transl)] Göber I. **Wien Klin Wochenschr [Suppl]** 39(87):1–11, 1975 (Eng. Abstr.) **(Ger)**

[Motoric and bioelectric activity of some parts of the gastrointestinal tract of dogs during hemorrhagic shock] Nikolov NA, et al. **Zentralbl Chir** 100(24):1491–7, 1975 **(Ger)**

[Blood renin and renal perfusion in grave experimental hemorrhagic shock] Pigliucci GM, et al. **Chir Patol Sper** 22(5):255–67, Oct 74 (Eng. Abstr.) **(Ita)**

[Effect of dexamethasone on venous return during hemorrhagic shock] Fukuda Y, et al. **Jpn J Anesthesiol** 24(12):1243–53, Nov 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on changes of myocardial contraction in vivo during shock] Okada K, et al. **Jpn J Anesthesiol** 25(2):164–70, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

[Experimental study of hemorrhagic shock – with special reference to estimation of left ventricular function by thermodilution method] Yamada S, et al. **Jpn J Anesthesiol** 24(12):1227–34, Nov 75 (Eng. Abstr.) **(Jpn)**

[Changes in hemorheologic indices during hemorrhagic shock] Firsov NN, et al. **Biull Eksp Biol Med** 81(3):272–4, Mar 76 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Glucocorticoid–induced protection in circulatory shock: role of reticuloendothelial system function. Altura BM. **Proc Soc Exp Biol Med** 150(1):202–6, Oct 75

Protective influence of cathepsin D antiserum in hemorrhagic shock. Jones RC Jr, et al. **Surg Forum** 26:29–31, 1975

[Proceedings: Exchange transfusion and heparin in the prevention of acute hemorrhage with intravascular coagulation during neonatal shock] Demarquez JL, et al. **Arch Fr Pediatr** 32(5):487, May 75 **(Fre)**

[The effect of intravenous novocaine administration on the outcome of hemorrhagic reactions] Sherman DM, et al. **Biull Eksp Biol Med** 81(2):158–61, Feb 76 (Eng. Abstr.) **(Rus)**

SURGERY

A technique of anaesthesia in haemorrhagic shock. Illustrative case histories and a discussion. McGown RG. **Anaesthesia** 30(5):616–23, Sep 75

THERAPY

Hemorrhagic shock in dogs. Comparison of treatment with shed blood alone versus shed blood plus Ringer's lactate: intravascular pressures, cardiac output, oxygen consumption, arteriovenous oxygen differences, extracellular fluid PO2, electrolyte changes, and survival rates. Zollman W, et al. **Am J Surg** 131(3):298–305, Mar 76

Letter: Blood transfusion. The need for blood in major trauma. Little AF, et al. **Anaesthesia** 30(5):686, Sep 75

Proceedings: Comparison of dextran 70 and hydroxyethyl starch in volume replacement. Smith JA, et al. **Br J Surg** 62(8):666, Aug 75

Antepartum hemorrhage and shock. Abdul–Karim RW, et al. **Clin Obstet Gynecol** 19(3):533–59, Sep 76

Benefits from improved oxygen delivery of blood in shock therapy. Rice CL, et al. **J Surg Res** 19(3):193–8, Sep 75

Monitoring resuscitation of primates from hemorrhagic and septic shock. Trunkey D, et al. **JACEP** 5(4):249–52, Apr 76

An improved stroma–free hemoglobin solution. Greenburg AG, et al. **Surg Forum** 26:53–5, 1975

[The effect of the plasma substitutes hydroxyethyl starch and dextrane–60 on the kidney function of dogs in acute haemorrhagic shock (author's transl)] Heidenreich O, et al. **Anaesthesist** 24(5):239–43, May 75 (Eng. Abstr.) **(Ger)**

[Effects of dextran, gelatine and homologous plasma on circulation in shock caused by severe anemia in the dog]

Dietze W, et al. **Prakt Anaesth** 11(2):59–68, Apr 76 (Eng. Abstr.) **(Ger)**

[Problems of blood substitute therapy in severe surgical hemorrhages] Zilio G, et al. **Minerva Anestesiol** 41(12):628–31, Dec 75 (Eng. Abstr.) **(Ita)**

[Changes in pulmonary function after resuscitation from shock and the effect of aprotinin (trasylol)] Yamahara T, et al. **Jpn J Anesthesiol** 24(10):996–1005, Oct 75 (Eng. Abstr.) **(Jpn)**

[Limits of hemodilution in the treatment of hemorrhagic shock] Caloghera C, et al. **Rev Chir [Chir]** 24(1):69–74, Jan–Feb 75 (Eng. Abstr.) **(Rum)**

[Prevention of renal–hepatic insufficiency in patients with hemorrhagic shock] Verkhovskiĭ AL, et al. **Akush Ginekol (Mosk)** (10):49–52, Oct 75 **(Rus)**

[The influence of oxygen barotherapy on erythropoiesis in the recuperative period of hemorrhagic collapse] Barkova EN, et al. **Biull Eksp Biol Med** 81(2):156–8, Feb 76 (Eng. Abstr.) **(Rus)**

SHOCK, SURGICAL

Kinetics of the extracellular space in newborn animals submitted to surgical trauma. Maksoud JG, et al. **J Surg Res** 19(4):259–66, Oct 75

[Hemorrhage in surgery] Langer B, et al. **Rev Assoc Med Bras** 21(10):295–7, Oct 75 (Eng. Abstr.) **(Por)**

ENZYMOLOGY

[Serum cholinesterase in anesthesia and surgical shock] Barbu R, et al. **Rev Chir [Chir]** 24(4):305–10, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

THERAPY

Algorithm for resuscitation: a systematic plan for immediate care of the injured or postoperative patient. Shoemaker WC. **Crit Care Med** 3(3):127–30, May–Jun 75

Circulatory assistance with intra–aortic balloon pump. pp. 116–9. Piegas LS, et al. **In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.**

[Several effects of infusion therapy, hemotransfusion and hemodilution in the treatment of surgical shock] Ianchulev I, et al. **Khirurgiia (Sofiia)** 27(6):493–501, 1974 (Eng. Abstr.) **(Bul)**

[Letter: Prolonged veno–arterial derivation (with membrane oxygenator) for circulatory failure. Results in a 2–year–old child] Bex JP, et al. **Nouv Presse Med** 4(41):2947–8, 29 Nov 75 **(Fre)**

SHOCK THERAPY, ELECTRIC

see related

ELECTRONARCOSIS

Comparison of unilateral dominant and non–dominant ECT on verbal and non–verbal memory. d'Elia G, et al. **Acta Psychiatr Scand** 53(2):85–94, Feb 76

The treatment of depression with ECT in the presence of brain tumor. Dressler DM, et al. **Am J Psychiatry** 132(12):1320–1, Dec 75

Letter: Reserpine, ECT, and depression. Fleishman M. **Am J Psychiatry** 132(10):1088, Oct 75

ECT in the treatment of mania: a controlled study. McCabe MS. **Am J Psychiatry** 133(6):688–91, Jun 76

Letter: Parkinsonism, depression, and ECT. Wilder J, et al. **Am J Psychiatry** 132(10):1083–4, Oct 75

Fifteenth Emil A. Gutheil Memorial Conference. The range of therapies in the treatment of severely depressed suicidal patients. Lesse S. **Am J Psychother** 29(3):308–26, Jul 75

Anaesthesia for electroconvulsive therapy. McCleave DJ, et al. **Anaesth Intensive Care** 3(3):250–6, Aug 75

Mortality in depressed patients treated with electroconvulsive therapy and antidepressants. Avery D, et al. **Arch Gen Psychiatry** 33(9):1029–37, Sep 76

Concentration of 5–hydroxyindoleacetic acid, homovanillic acid, and tryptophan in the cerebrospinal fluid of depressed patients before and after ECT. Abrams R, et al. **Biol Psychiatry** 11(1):85–90, Feb 76

Intravenous tranquillization with ECT. Gomez J, et al. **Br J Psychiatry** 127:604–8, Dec 75

Letter: unilateral ECT. Halliday AM, et al. **Br J Psychiatry** 127:416, Oct 75

Electroconvulsive therapy in Denmark. Heshe J, et al. **Br J Psychiatry** 128:241–5, Mar 76

Editorial: Antipsychiatrists and ECT. **Br Med J** 4(5987):1–2, 4 Oct 75

Letter: Antipsychiatrists and ECT. **Br Med J** 1(6004):280, 31 Jan 76

Letter: Antipsychiatrists and ECT. Moyes RB, et al. **Br Med J** 4(5991):283, 1 Nov 75

Electroconvulsive therapy: is further investigation necessary? Costello CG. **Can Psychiatr Assoc J** 21(2):61–7, Mar 76 (17 ref.)

Symposium — electroconvulsive therapy. Diagnosis and evaluation of ECT. Eastwood MR, et al. **Can Psychiatr Assoc J** 21(2):55–9, Mar 76

Bilateral and non–dominant unilateral ECT. Part I — Therapeutic efficacy. Reichert H, et al. **Can Psychiatr Assoc J** 21(2):69–78, Mar 76

Clinical use of retrograde amnesia produced by electroconvulsive shock. A conditioning hypothesis. Rubin RD. **Can Psychiatr Assoc J** 21(2):87–90, Mar 76

Lithium carbonate versus E.C.T. in the treatment of the manic state of identical twins with bipolar affective disease. Aden GC. **Dis Nerv Syst** 37(7):393–7, Jul 76

Observations on the effects of electric convulsive treatment in man—psychological. Arnot RE. **Dis Nerv Syst** 36(9):499–502, Sep 75

New developments in electroconvulsive therapy. Blachly PH. **Dis Nerv Syst** 37(6):356–8, Jun 76

Asymmetries in the flash evoked response following unilateral electro–convulsive therapy. Kriss A, et al. **Electroencephalogr Clin Neurophysiol** 39(4):430, Oct 75

Effect of electroconvulsive therapy without anticonvulsive premedication on serum growth hormone in man. Vigaš M, et al. **Horm Res** 6(2):65–70, 1975

ECT and psychotropic drugs. pp. 151–60. Abrams R. **In: Ayd FJ JR, ed. Rational psychopharmacotherapy and the right to treatment. Baltimore, Ayd Medical Communications, 1975. QV 77 T244r 1974.** (41 ref.)

Comparative trial of L–tryptophan and E.C.T. in severe depressive illness. Herrington RN, et al. **Lancet** 2(7883):731–4, 28 Sep 74

Electroconvulsive therapy to control aggression in dogs. Redding RW, et al. **Mod Vet Pract** 57(8):595–7, Aug 76

Action of various antidepressant treatments reduces reactivity of noradrenergic cyclic AMP–generating system in limbic forebrain. Vetulani J, et al. **Nature** 257(5526):495–6, 9 Oct 75

The electroconvulsive treatment of depression. Wengert JW, et al. **Nebr Med J** 60(11):449–52, Nov 75

Electroplexy. Wells D. **Nurs Times** 72(22):848–9, Jun 76

Effect of ECT and imipramine treatment on the concentration of 5–hydroxyindoleacetic acid (5HIAA) and homovanillic acid (HVA) in the cerebrospinal fluid of depressed patients. Jori A, et al. **Psychopharmacologia** 44(1):87–90, 14 Oct 75

[The role of electroshock in the era of psychopharmacology] Hippius H. **Encephale** 1(3):195–201, 1975 (Eng. Abstr.) **(Fre)**

[Electroshocks, antidepressive agents, and anesthesia] Porot M, et al. **Encephale** 1(4):367–73, 1975 (Eng. Abstr.) **(Fre)**

[Electroconvulsive treatment in a patient recently operated on for congenital heart defect: methodological peculiarities of the treatment] Marcacci G, et al. **Riv Neurobiol** 18(1):65–75, Jan–Mar 72 (Eng. Abstr.) **(Ita)**

[The opinion of 377 patients on the electroshock therapy. A questionnaire survey] Flåtten O. **Tidsskr Nor Laegeforen** 95(22):1206–9, 10 Aug 75 (Eng. Abstr.) **(Nor)**

[Should electroshock therapy be reassessed? 18 years material. Variations in treatment frequency. Methods, indications, complications] Flåtten O. **Tidsskr Nor Laegeforen** 95(22):1201–6, 10 Aug 75 (Eng. Abstr.) **(Nor)**

[A method of carrying out ECT under anesthesia with relaxants] Smirnova ML, et al. **Zh Nevropatol Psikhiatr** 76(4):594–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Electroencephalographic evolution and its clinical correlation in patients treated with electroshock] Dorazco–Valdés J, et al. **Gac Med Mex** 110(2):115–9, Aug 75 **(Spa)**

[Various considerations of the anti–ECT (electroconvulsive therapy) vogue] Mindus P, et al. **Lakartidningen** 72(40):3805–6, 1 Oct 75 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Letter: Parkinsonism masked by ECT and psychotropic medication. Rainey JM Jr, et al. **Am J Psychiatry** 132(10):1084–5, Oct 75

Memory functions six to nine months after electroconvulsive therapy. Squire LR, et al. **Arch Gen Psychiatry** 32(12):1557–64, Dec 75

Anterograde amnesia following electroconvulsive therapy: no evidence for state–dependent learning. Squire LR, et al. **Behav Biol** 17(1):31–41, May 76

Subjective side–effects of ECT. Gomez J. **Br J Psychiatry** 127:609–11, Dec 75

Bilateral and non–dominant unilateral ECT. Part II — Development of prograde effects. Reichert H, et al. **Can Psychiatr Assoc J** 21(2):79–86, Mar 76

Electroconvulsive therapy and memory. Harper RG, et al. **J Nerv Ment Dis** 161(4):245–54, Oct 75 (62 ref.)

A case of prolonged, reversible dementia associated with abuse of electroconvulsive therapy. Regestein QR, et al. **J Nerv Ment Dis** 161(3):200–3, Sep 75

Retrograde amnesia following electroconvulsive therapy. Squire LB, et al. **Nature** 260(5554):775–7, 29 Apr 76

Amnesia for random shapes following unilateral and bilateral electronvulsive shock therapy. Ashton R, et al. **Percept Mot Skills** 42(2):669–70, Apr 76

[Attempt at lowering the hazards of electroshock therapy during relaxation] Benke B, et al. **Orv Hetil** 116(47):2779–81, 23 Nov 75 **(Hun)**

HISTORY

A medical electrical cure by Benjamin Franklin. Stillings D. **Med Instrum** 10(1):27, Jan–Feb 76

METHODS

Therapeutic results in brief–interval unilateral ECT. Strömgren LS. **Acta Psychiatr Scand** 52(4):246–55, Oct 75

Anesthesiologic considerations in psychiatric convulsive therapy. Dell'Aria S, et al. **Behav Neuropsychiatry** 6(1–12):6–17, Apr 74–Mar 75

Current density in bilateral and unilateral ECT. Weaver L, et al. **Biol Psychiatry** 11(3):303–12, Jun 76

Unilateral ECT. Carney MW. **Br J Psychiatry** 128:309–10, Mar 76

Unilateral and bilateral ECT: EEG findings. Marjerrison G, et al. **Can Psychiatr Assoc J** 20(4):257–66, Jun 75

Sedac electrotherapy III. A ten year study of therapeutic efficiency and indications. Friedman E, et al. **Dis Nerv Syst** 37(8):451–5, Aug 76

The effect of modified ECT on serum creatine phophokinase, I. With intravenous atropine. Rich CL, et al. **Dis Nerv Syst** 36(12):653–5, Dec 75

The effect of modified ECT on serum creatine phosphokinase. II. With subcutaneous atropine. Rich CL, et al. **Dis Nerv Syst** 36(12):655–6, Dec 75

Psychotic depression in a patient with progressive muscular dystrophy: treatment with multiple monitored electroconvulsive therapy. Zeidenberg P, et al. **Dis Nerv Syst** 37(1):21–3, Jan 76

[General anesthesia for electroshock therapy] François G, et al. **Encephale** 1(3):219–21, 1975 (Eng. Abstr.) **(Fre)**

SHOCK THERAPY, INSULIN

[Insulin therapy in current psychiatric therapeutics] Certhoux J, et al. **Ann Med Psychol (Paris)** 2(2):291–310, Jul 74 **(Fre)**

[Sex chromatin content in schizophrenic women during insulin therapy] Kashirina LP. **Tsitol Genet** 10(1):6–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

SHOCK, TOXIC

The diagnosis and management of severe sepsis and septic shock. Wilson RF. **Heart Lung** 5(3):422–9, May–Jun 76

Letter: Bacterial shock. Zide NR. **JAMA** 236(5):448–9, 2 Aug 76

[Septic shock. Clinical review of 72 cases (author's transl)] Degaute JP, et al. **Acta Chir Belg** 74(3):245–65, May 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Toxi–infectious shock pneumopathy. A morphological study (author's transl)] Jacobovitz D, et al. **Acta Chir Belg** 74(3):266–76, May 75 (Eng. Abstr.) **(Fre)**

[Gastric consequences of toxicoseptic agression] Alexiu O, et al. **Rev Chir [Chir]** 24(5):345–51, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Residual pyelonephritis after acute renal failure due to toxico–septic shock] Frai M, et al. **Rev Med Intern [Med Intern]** 26(7):819–28, Jul–Aug 74 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Ineffectiveness of heparin treatment in burn shock in the guinea pig. Wolfe RR, et al. **Aviat Space Environ Med** 47(6):652–6, Jun 76

ETIOLOGY

Gram–negative sepsis. pp. 187–95. Sachs JA. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

[Acute renal insufficiency and ischemic neuromyopathy during toxic coma: apropos of 2 cases] Dupont E, et al. **J Urol Nephrol (Paris)** 81(4–5):306–11, Apr–May 75 **(Fre)**

[Premise for the pathogenetic definition of toxinfectious and endotoxic shock states] Buşilă VT, et al. **Rev Med Intern [Med Intern]** 27(4):249–57, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Fever, shock, and hepatomegaly in a 13–month–old boy. Strauss RG, et al. **J Pediatr** 87(5):819–23, Nov 75

PHYSIOPATHOLOGY

Physiopathologic responses of the rhesus monkey to live Escherichia coli. Hinshaw LB, et al. **Surg Gynecol Obstet** 142(6):893–900, Jun 76

THERAPY

Medical approach to the hypotensive patient and the patient in shock. Jahre JA, et al. **Heart Lung** 4(4):577–87, Jul–Aug 75

Monitoring resuscitation of primates from hemorrhagic and septic shock. Trunkey D, et al. **JACEP** 5(4):249–52, Apr 76

SHOCK, TRAUMATIC

[Pathophysiology and therapy in traumatic shock] Rokkanen P. **Duodecim** 91(20):1181–3, 1975 **(Fin)**

[Complications and their treatment in industrial trauma associated with shock in miners] Babiĭ VP. **Ortop Travmatol Protez** (9):28–31, Sep 75 (Eng. Abstr.) **(Rus)**

[Surgical intervention in severe trauma complicated by shock] Babosha VA, et al. **Ortop Travmatol Protez** (1):41–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Standardization of trauma for the production of experimental shock] Shtykhno IuM, et al. **Patol Fiziol Eksp Ter** (1):73–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Work experience of the resuscitation units in dealing with traumatic shock] Gal'tseva IV, et al. **Sov Med** (11):112–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Certain disputable and unsolved problems of traumatic shock] Kruk IN. **Vestn Khir** 114(9):111–3, Sep 75 **(Rus)**

BLOOD

Lipid metabolism and trauma: experimental fat embolism. pp. 148–52. Huth K, et al.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

Time-dependent increase in erythrocyte stiffness following traumatic shock. Ryon DM, et al. **Surg Forum** 26:49–51, 1975

[Changes in the content and correlation of some corticosteroids in the blood of dogs in shock] Eremina SA, et al. **Patol Fiziol Eksp Ter** (4):24–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Role of tissue blood-coagulating compounds in the pathogenesis of posttraumatic acute renal insufficiency] Sokratov NV, et al. **Urol Nefrol (Mosk)** (5):21–5, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Acute respiratory failure associated with shock. Weil MH, et al. **Antibiot Chemother** 21:106–14, 1976

[Clinical study on the shock organs in relation to the duration of shock (author's transl)] Sugimoto T, et al. **Anaesthesist** 25(2):51–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Lung in shock] Steinbereithner K. **Zentralbl Chir** 101(2):65–76, 1976 **(Ger)**

[Complications of traumatic shock caused by disorders of microcirculation] Landa MI. **Khirurgiia (Mosk)** (4):130–2, Apr 75 **(Rus)**

[Case of posttraumatic acute renal insufficiency associated with pancreatic necrosis] Turchin VL, et al. **Vrach Delo** (2):95–6, Feb 74 **(Rus)**

DIAGNOSIS

[A tabular method of prognosing the outcome of multiple trauma complicated by shock] Vishnevskii AA, et al. **Eksp Khir Anesteziol** (2):6–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of traumatic fat embolism, traumatic shock and closed craniocerebral injury] Apanasenko BG, et al. **Voen Med Zh** (11):62–4, Nov 75 **(Rus)**

DIET THERAPY

[Enteral feeding via tube in thermal burns in childhood during the shock and toxinfection phases] Misheva L. **Khirurgiia (Sofiia)** 28(3):214–8, 1975 (Eng. Abstr.) **(Bul)**

DRUG THERAPY

Corticosteroid therapy in traumatic shock. Alho A, et al. **Resuscitation** 3(3):181–8, 1974

Experimental study of dibutyryl cyclic AMP: its antishock effects observed in traumatic shock rats. Suemori I, et al. **Tohoku J Exp Med** 119(2):123–33, Jun 76

[Shock and pain treatment by ambulance personnel] Grond JT. **Ned Tijdschr Geneeskd** 119(40):1547–9, 4 Oct 75 **(Dut)**

[Use of gutimin for the treatment of experimental traumatic shock] Kuz'mina RI, et al. **Farmakol Toksikol** 38(4):458–63, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Use of serotonin in traumatic shock] Bazarevich GIa, et al. **Ortop Travmatol Protez** (9):20–4, Sep 75 (Eng. Abstr.) **(Rus)**

[Treatment of burn shock with blood substitute solutions and sorbitol] Kochetygov NI, et al. **Probl Gematol Pereliv Krovi** 20(11):29–33, Nov 75 (Eng. Abstr.) **(Rus)**

[Current concepts on the values of some infusion solutions in the treatment of traumatic shock] Pantelić D, et al. **Vojnosanit Pregl** 32(5):576–80, Sep–Oct 75 **(Ser)**

[Isoprenaline and hypoxemia in refractary shock] Montero Benzo R, et al. **Rev Esp Anestesiol Reanim** 22(5):401–22, Sep 75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Histidine decarboxylase activity in trauma-resistant rats. Reichard SM, et al. **Am J Physiol** 230(6):1577–81, Jun 76

ETIOLOGY

[Cybernetic method of prognosis of the outcome of burn shock] Vishnevskii AA, et al. **Eksp Khir Anesteziol** (1):6–10, 1976 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Humoral deficiency and reticuloendothelial depression after traumatic shock. Kaplan JE, et al. **Am J Physiol** 230(1):7–14, Jan 76

Blood endotoxin inactivation after trauma and endotoxicosis. Filkins JP. **Proc Soc Exp Biol Med** 151(1):89–92, Jan 76

METABOLISM

Effects of insulin infusion on glucose kinetics in normal and burned guinea pigs. Wolfe RR, et al. **Life Sci** 19(2):147–55, 15 Jul 76

[Metabolic disorders in burn shock in young children and their correction] Vozdvizhenskii SI, et al. **Khirurgiia (Mosk)** (2):36–40, Feb 76 (Eng. Abstr.) **(Rus)**

[Certain general principles of energy metabolism in traumatic shock] Arkatov VA, et al. **Ortop Travmatol Protez** (9):1–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Oxygen consumption in traumatic shock] Tarelkina MN. **Ortop Travmatol Protez** (9):9–12, Sep 75 (Eng. Abstr.) **(Rus)**

[Functional and metabolic-chemical indicators of the brain tissue in hypothermia and traumatic shock] Nazarova TA, et al. **Patol Fiziol Eksp Ter** (2):44–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

MORTALITY

[Lethality in severe mining injury complicated by shock] Revenko TA, et al. **Klin Khir** (10):59–61, Oct 75 **(Rus)**

PATHOLOGY

Shock lung: disruption of alveolar capillary walls. Greenberg SD, et al. **Tex Med** 72(3):46–54, Mar 76

[Intravital microscopy and post mortem histology of burn shock in rabbits (author's transl)] Hagedorn M, et al. **Beitr Pathol** 155(4):398–409, Aug 75 (Eng. Abstr.) **(Ger)**

[Examinations to phenomenon of shock-lung (author's transl)] Joachim H, et al. **Z Rechtsmed** 78(1):13–23, 30 Jun 76 (Eng. Abstr.) **(Ger)**

[Ultrastructural changes in the supraoptic nucleus and posterior lobe of the pituitary following experimental burns] Bardakhch'ian EA, et al. **Arkh Anat Gistol Embriol** 70(6):63–7, Jun 76 (Eng. Abstr.) **(Rus)**

[Ultrastructural alterations in the myocardium caused by injury and blood loss] Bardakhch'ian EA, et al. **Patol Fiziol Eksp Ter** (5):26–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Burn shock and the reaction of the ultrastructure of the hypothalamo-neurohypophyseal system] Naumov NN, et al. **Patol Fiziol Eksp Ter** (4):28–32, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pathophysiologic considerations in the diagnosis and treatment of post-traumatic pulmonary insufficiency. Bowen JC, et al. **Am J Surg** 130(5):550–4, Nov 75 (45 ref.)

Changes in microcirculation and oxygen pressure in the liver and kidneys in experimental traumatic shock. Seleznev SA, et al. **Cor Vasa** 17(3):193–203, 1975

Coronary circulation in experimental traumatic shock, and effect of some vasoactive agents on its parameters. Tsibin YN, et al. **Cor Vasa** 18(1):66–73, 1976

Some metabolic effects of beta-blockade on temperature regulation and in the presence of trauma. pp 248–59. Carruthers ME, et al.
In: Schweizer W, ed. Beta-blockers – present status and future prospects. Bern, Huber, 1974. QV 132 B562 1974.

Physiological aspects of electric shock. Levy LS. **Nurs Times** 71(37):1454–9, 11 Sep 75

Correlation of plasma lysosomal enzyme levels with hepatic reticuloendothelial function after trauma. Loergering DJ, et al. **Proc Soc Exp Biol Med** 152(1):42–6, May 76

[Shock lung] Ibler M. **Lijec Vjesn** 97(11):619–22, Nov 75 (Eng. Abstr.) **(Cro)**

[Shock lung. Pathophysiology and clinical treatment of the syndrome – a survey of literature (author's transl)] Smejkal V. **Cas Lek Cesk** 115(16):473–6, 1976 (43 ref.) (Eng. Abstr.) **(Cze)**

[So-called shock lung in acute scald burns. Animal experiments on its pathogenesis] Wolf H, et al. **Med Welt** 26(39):1775–6, 26 Sep 75 **(Ger)**

[Microangiographic studies on the behavior of the terminal pulmonary circulation under effects of shock] Helm A, et al. **Zentralbl Chir** 101(8):470–6, 1976 **(Ger)**

[Physiopathological significance of the phenomenon of proteolysis in post-burn shock] Ionescu A, et al. **Rev Chir [Chir]** 23(8):657–68, Sep–Oct 74 **(Rum)**

[Microcirculatory disorders in the connective tissue structures of certain organs in traumatic shock with acute hemorrhage] Dimitrov NG, et al. **Arkh Anat Gistol Embriol** 69(9):62–73, Sep 75 (Eng. Abstr.) **(Rus)**

[The role of the adrenals in the development of hyperenzymemia in experimental multiple injuries] Kulagin VK, et al. **Biull Eksp Biol Med** 80(11):30–2, Nov 75 (Eng. Abstr.) **(Rus)**

[Adrenal cortical function in rats with traumatic shock following removal and deafferentation of the hypothalamus] Mazurkevich GS, et al. **Biull Eksp Biol Med** 82(7):785–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Hemodynamics, gas composition and electrolyte balance in experimental traumatic shock] Kiprenskii IuV, et al. **Ortop Travmatol Protez** (9):13–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Pulmonary ventilation and gas exchange in shock after acute trauma] Komarov BD, et al. **Ortop Travmatol Protez** (9):5–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Changes in hemodynamics, oxygen metabolism and acid-base equilibrium during treatment of burn shock with plasma substitutes] Kochetygov NI, et al. **Probl Gematol Pereliv Krovi** 19(2):41–5, Feb 74 (Eng. Abstr.) **(Rus)**

THERAPY

Algorithm for resuscitation: a systematic plan for immediate care of the injured or postoperative patient. Shoemaker WC. **Crit Care Med** 3(3):127–30, May–Jun 75

Factors affecting resuscitation from electric shock. pp. 73–5. Knickerbocker GG.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973. (8 ref.)

Fluid resuscitation of burn patients comparing a crystalloid with a colloid containing solution: a prospective study. Recinos PR, et al. **J Iowa Med Soc** 65(10):426–32, Oct 75

Trauma rounds: Shock. **West J Med** 124(6):510–3, Jun 76

[Management of emergencies in the factory. First aid in wounds and management of shock] Arens W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 26(4):78–82, Apr 76 **(Ger)**

[Surgical intervention in severe trauma complicated by shock] Babosha VA, et al. **Ortop Travmatol Protez** (1):41–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Compound fractures of the long tubular bones in severe automobile injuries complicated by shock] Revenko TA, et al. **Ortop Travmatol Protez** (1):19–22, Jan 76 (Eng. Abstr.) **(Rus)**

[Resuscitation of the injured with severe, multiple trauma complicated by shock] Komarov BD, et al. **Vestn Akad Med Nauk SSSR** (2):8–12, 1975 **(Rus)**

[Standard model for the study of antishock therapy] Boldina IG, et al. **Voen Med Zh** (7):17–9, Jul 75 **(Rus)**

SHOES

Clinical assessment of gait using load measuring footwear. Hargreaves P, et al. **Acta Orthop Scand** 46(6):877–95, Dec 75

The eclectic and multiple therapy of a shoe fetishist. Chambers WM, et al. **Am J Psychother** 30(2):317–26, Apr 76

A Jungian commentary on Epstein's case wet-shoe fetish. McCully RS. **Arch Sex Behav** 5(2):185–8, Mar 76

Shoe-makers' polyneuropathy in Italy: the aetiological problem. Abbritti G, et al. **Br J Ind Med** 33(2):92–9, May 76

Safety shoes for industry. pp. 272–83. Gould N.
In: Bateman JE, ed. Foot science. Philadelphia, Saunders, 1976. WE 880 A511f 1974.

Vacuum casting for foot orthoses. Brown D, et al. **J Am Podiatry Assoc** 66(8):582–7, Aug 76

The last shall be first. Hack M. **J Am Podiatry Assoc** 65(11):1070–3, Nov 75

The pedorthist: a new breed of shoe dog. Hack M. **J Am Podiatry Assoc** 66(5):342–8, May 76

An approach to children's foot orthopedics. Polokoff MM. **J Am Podiatry Assoc** 66(6):419–22, Jun 76

Common plantar hyperkeratoses. Engler GL, et al. **J Dermatol Surg** 1(3):59–61, Oct 75

Foot measurement for shoe construction with reference to the relationship between foot length, foot breadth, and ball girth. Baba K. **J Hum Ergol (Tokyo)** 3(2):149–56, Dec 74

Letter: Shoe-surface interface. Klein KK. **J Sports Med** 3(4):200–1, Jul–Aug 75

Plantar pressure measurements. Rational shoe-wear in patients with rheumatoid arthritis. Barrett JP Jr. **JAMA** 235(11):1138–9, 15 Mar 76

A spring-heeled rocker-soled plaster boot. Reeves B, et al. **Lancet** 2(7883):758–9, 28 Sep 74

Turf-toe: a shoe-surface related football injury. Bowers KD Jr, et al. **Med Sci Sports** 8(2):81–3, Summer 76

Allergic contact dermatitis from footwear. Shoe dermatitis in 42 patients. Dahl MV. **Minn Med** 58(12):871–4, Dec 75

Dry gangrene of toes: managed with foam rubber boots and ambulation. Steinberg G, et al. **NY State J Med** 76(6):907–11, Jun 76

Effect of flow material ski boots on foot circulation. Höflin F, et al. **Orthop Clin North Am** 7(1):151–7, Jan 76

The inter-relationship between ski accidents, the resultant injury, the skier's characteristics, and the ski boot binding system. Johnson RJ, et al. **Orthop Clin North Am** 7(1):11–2, Jan 76

Injuries in long distance, cross country, and downhill skiing. Westlin NE. **Orthop Clin North Am** 7(1):55–8, Jan 76

Boots with reversed wedges. Hare N. **Physiotherapy** 62(9):299, Sep 76

Investigation of a training shoe as a supplemental conditioning device. McKinney D, et al. **Res Q Am Assoc Health Phys Educ** 46(4):422–7, Dec 75

[Universal anti-rotation shoe after surgery of the hip joint] Malkus S, et al. **Acta Chir Orthop Traumatol Cech** 42(5):482–4, Oct 75 **(Cze)**

[Verification of suitability of the child shoes with open heel part (author's transl)] Poul J, et al. **Acta Chir Orthop Traumatol Cech** 42(5):479–81, Oct 75 (Eng. Abstr.) **(Cze)**

[Rubber boots—cause of occupational eczema. Allergogenic and capillarotoxic effect of 4010 NA Antioxidant] Jirásek L, et al. **Cesk Dermatol** 50(5):303–12, Oct 75 (Eng. Abstr.) **(Cze)**

[Procurement of special shoes following fractures of the calcaneus] In der Au HJ, et al. **Beitr Orthop Traumatol** 22(2):93–4, Feb 75 **(Ger)**

[Supplying patients with orthopedic shoes after panastragal arthrodesis] Endre B, et al. **Magy Traumatol Orthop** 18(3):215–8, 1975 **(Hun)**

[Polyneuritis in the shoe industry (clinicial, electromyographic and biohumoral study)] Cosi V, et al. **Riv Neurobiol** 19(1–2):5–107, Jan–Jun 73 (Eng. Abstr.) **(Ita)**

[Study regimen of secondary vocational–technical school students as footwear fitters] El'iashev AA, et al. **Gig Sanit** (4):27–31, Apr 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the gas evolution in the processing of synthetic leathers in shoe factories] Hoang Bik–ha. **Gig Tr Prof Zabol** (8):15–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Characteristics of prosthesis of patients with amputation defects of the anterior and medial sections of feet] Startseva TE, et al. **Ortop Travmatol Protez** (12):6–11, Dec 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Letter: Rupture of plantaris tendon. Armstrong H. **Can Med Assoc J** 115(6):497, 18 Sep 76

The shoe in contact dermatitis. Hack M. **J Am Podiatry Assoc** 66(6):408–12, Jun 76

Morphological and functional changes of feet and toes of Japanese forestry workers. Morioka M, et al. **J Hum Ergol (Tokyo)** 3(1):87–94, Sep 74

Boot top fractures. Höflin F, et al. **Orthop Clin North Am** 7(1):205–13, Jan 76

[New allergens of the group of resins in shoe contact dermatitis] Sagrera CR, et al. **Med Cutan Iber Lat Am** 2(3):201–12, 1974 (Eng. Abstr.) **(Spa)**

HISTORY

The classic: Dissertation on the best form of shoe; Pieter Camper **Clin Orthop** (110):2–5, Jul–Aug 75

STANDARDS

The swivel football shoe: a controlled study. Cameron BM, et al. **J Sports Med** 1(2):16–27, Jan–Feb 73

The shoe–surface interface and its relationship to football knee injuries. Torg JS, et al. **J Sports Med** 2(5):261–9, Sep–Oct 74

The importance of medical advice in the proper adjustment of the safety binding. Figueras JM. **Orthop Clin North Am** 7(1):141–2, Jan 76

Fundamental considerations in ski binding analysis. Mote CD Jr, et al. **Orthop Clin North Am** 7(1):75–94, Jan 76

[Ski boots from an orthopedic point of view] Hipp E. **Fortschr Med** 94(3):101–2, 22 Jan 76 (Eng. Abstr.) **(Ger)**

SHOPE FIBROMA see **FIBROMA, SHOPE**

SHOPE FIBROMA VIRUS see under **POXVIRUSES**

SHOPE PAPILLOMA VIRUS see under **PAPILLOMA VIRUSES**

SHORT TERM PSYCHOTHERAPY see **PSYCHOTHERAPY, BRIEF**

SHORT–WAVE THERAPY see under **DIATHERMY**

SHOULDER

A study of painful shoulder in welders. Herberts P, et al. **Acta Orthop Scand** 47(4):381–7, Aug 76

Tennis shoulder. Priest JD, et al. **Am J Sports Med** 4(1):28–42, Jan–Feb 76

Acupuncture for chronic shoulder pain. An experimental study with attention to the role of placebo and hypnotic susceptibility. Moore ME, et al. **Ann Intern Med** 84(4):381–4, Apr 76

Letter: Shoulder–cuff lesions. Clarke BM. **Br Med J** 1(6022):1402, 5 Jun 76

Inflammatory myopathy in scapulo–ilio–peroneal atrophy with cardiopathy. A study of two families. Jennekens FG, et al. **Brain** 98(4):709–22, Dec 75

The droopy shoulder syndrome. Clein LJ. **Can Med Assoc J** 114(4):343–4, 21 Feb 76

Neurotrophic arthropathy of the shoulder secondary to tuberculous arachnoiditis: a case report. Nissenbaum M. **Clin Orthop** (118):169–72, Jul–Aug 76

Proceedings: Relevance of electromyography to disorders of the shoulder. Cadre N, et al. **Electroencephalogr Clin Neurophysiol** 39(5):552, Nov 75

Paralytic brachial neuritis. Case report. Bacevich BB. **J Bone Joint Surg [Am]** 58(2):262–3, Mar 76

Desmoid tumour of the deltoid muscle in a male child. Sengupta P, et al. **J Indian Med Assoc** 66(4):84–5, 16 Feb 76

The shoulder girdle disc. Phillips DG. **J Neurol Neurosurg Psychiatry** 39(8):817–20, Aug 76

Subluxing biceps tendon in the athlete. O'Donoghue DH. **J Sports Med** 1(3):20–9, Mar–Apr 73

Editorial: Injecting the painful shoulder. **Lancet** 1(7949):27, 3 Jan 76

Letter: Injecting the painful shoulder. Fowler AW. **Lancet** 1(7954):298, 7 Feb 76

Letter: Management of painful shoulder. Sumner DW. **Lancet** 2(7976):103, 10 Jul 76

The painful shoulder. Richardson AT. **Practitioner** 215(1285):27–35, Jul 75

The relationship between radiographic findings and asymmetrical radioactivity in the shoulder. Sebes JI, et al. **Radiology** 120(1):139–42, Jul 76

[Shoulder pain] Kingma MJ. **Ned Tijdschr Geneeskd** 120(8):325–37, 21 Feb 76 **(Dut)**

[Contribution to the clinical study of the Parsonage and Turner syndrome. 15 personal observations (author's transl)] PouSerradell A. **Acta Neurol Belg** 75(1):15–23, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Shoulder–girdle amyotrophy (Parsonage and Turner syndrom). Clinical and electromyographical study of 15 cases(author's transl)] Puissant F, et al. **J Belge Rhumatol Med Phys** 30(5–6 SPEC NO):313–23, Sep–Dec 75 **(Fre)**

[Transaxillary resection of the 1st rib in shoulder girdle compression syndrome] Spieler U, et al. **Helv Chir Acta** 43(1–2):87–91, Mar 76 **(Ger)**

[Clinical studies on neuralgic shoulder amyotrophy] Sollberg G. **Nervenarzt** 47(1):19–23, Jan 76 **(Ger)**

[Pain of the upper limb of vascular origin (author's transl)] Benini A. **Praxis** 65(10):268–70, 9 Mar 76 (Eng. Abstr.) **(Ger)**

[Neurodystrophic quadrant syndrome simulatray puffed–sleeve lipomatosis] Luger A, et al. **Z Hautkr** 51(7):275–83, 1 Apr 76 **(Ger)**

[Neuralgic amyotrophy (Parsonage–Turner Syndrome)] Cohn D, et al. **Harefuah** 89(1):8–11, 1 Jul 75 (Eng. Abstr.) **(Heb)**

[Neuralgic amyotrophy of the shoulder girdle] Shutov AA, et al. **Voen Med Zh** (6):75–6, Jun 76 **(Rus)**

[Syndrome of a painful shoulder and experiences with its treatment in the baths of Kováčová] Strba A. **Fysiatr Reumatol Vestn** 54(1):15–9, Feb 76 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

[A case of bilateral occurence of the muscular axillary arch] Dbalý J. **Anat Anz** 137(1–2):75–8, 1975 **(Ger)**

ANATOMY & HISTOLOGY

Morphometric affinities of the human shoulder. Corruccini RS, et al. **Am J Phys Anthropol** 45(1):19–37, Jul 76

Morphometric affinities in the forelimb of anthropoid primates. Corruccini RS. **Z Morphol Anthropol** 67(1):19–31, 1975 (Eng. Abstr.)

INJURIES

Suprascapular neuropathy in the differential diagnosis of rotator cuff injuries. Drez D Jr. **Am J Sports Med** 4(2):43–5, Mar–Apr 76

Keyhold tenodesis of biceps origin at the shoulder. Froimson AI, et al. **Clin Orthop** (112):245–9, Oct 75

[Therapy for ruptures of the rotator cuff of the shoulder (author's transl)] Gschwend N, et al. **Arch Orthop Unfallchir** 83(2):129–43, 27 Oct 75 (Eng. Abstr.) **(Ger)**

[Traumatic affections of the shoulder (author's transl)] Huggler AH. **Ther Umsch** 31(4):218–21, Apr 74 (Eng. Abstr.) **(Ger)**

[Shoulder injury and axillary paresis (author's transl)] Assmus H, et al. **Unfallheilkunde** 79(4):183–7, Apr 76 (Eng. Abstr.) **(Ger)**

[Ruptures in the rotator aponeurosis (author's transl)] Rössler H. **Z Orthop** 114(3):282–94, Jun 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Fibromatosis in children. An attempt at classification, apropos of a case of extensive ossifying fibromatosis] Barrière H, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):5–20, 1975 **(Fre)**

PHYSIOLOGY

Upper extremity contraction moments and their relationship to swimming training. Jensen RK, et al. **J Biomech** 9(4):219–25, 1976

RADIOGRAPHY

Soft tissue radiography in painful shoulder. Deichgräber E, et al. **Acta Radiol [Diagn] (Stockh)** 16(4):393–400, Jul 75

Radiological case of the month: solitary bone cyst. Gwinn JL, et al. **Am J Dis Child** 130(6):655–6, Jun 76

[Case of the month. What is your diagnosis?] McCarthy DJ, et al. **J Radiol Electrol Med Nucl** 56(4):316–338, Apr 75 **(Fre)**

SURGERY

[Homoplasty of the tendon of the long head of the biceps brachii] Kolontaĭ IuIu, et al. **Vestn Khir** 115(11):106–8, Nov 75 (Eng. Abstr.) **(Rus)**

SHOULDER DISLOCATION

Compound posterior dislocation of the glenohumeral joint. Case report. Moeller JC. **J Bone Joint Surg [Am]** 57(7):1006–7, Oct 75

The shoulder in sports. **J Sports Med** 2(1):47–50, Jan–Feb 74

Acute anterior dislocation of the shoulder. DePalma AF, et al. **J Sports Med** 1(2):6–15, Jan–Feb 73

Dislocations of the upper extremity in children. Asher MA. **Orthop Clin North Am** 7(3):583–91, Jul 76

[Acromioclavicular dislocation (author's transl)] Bartl I. **Acta Chir Orthop Traumatol Cech** 42(5):467–71, Oct 75 (Eng. Abstr.) **(Cze)**

COMPLICATIONS

Letter: It would indeed be remarkable. Manalo FB. **JAMA** 233(12):1260, 22 Sep 75

[Thrombosis of the axillary artery following shoulder dislocation. Venous autograft. Cure. Apropos of a case] Ghitesco T, et al. **Chirurgie** 101(1):56–8, 15–29 Jan 75 **(Fre)**

[Shoulder injury and axillary paresis (author's transl)] Assmus H, et al. **Unfallheilkunde** 79(4):183–7, Apr 76 (Eng. Abstr.) **(Ger)**

[Bilateral shoulder dislocation with wrist injury] István K, et al. **Orv Hetil** 116(40):2363–4, 5 Oct 75 **(Hun)**

ETIOLOGY

['Coaptation' of the scapulohumeral region] le Coeur P. **Z Orthop** 113(4):833–4, Aug 75 **(Ger)**

[Traumatic dislocation of an anomalous coraco–clavicular joint] Levy M. **Harefuah** 89(4):168–9, 15 Aug 75 (Eng. Abstr.) **(Heb)**

[Shoulder join luxation following electric current shock] Lebensztejn W, et al. **Wiad Lek** 29(13):1195–7, 1 Jul 76 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

[Dislocation–proof shoulder prosthesis model BME] Zippel J. **Z Orthop** 113(4):454–7, Aug 75 **(Ger)**

RADIOGRAPHY

Radiology case of the month. Case number 5. Bjelland JC, et al. **Ariz Med** 32(12):961–2, Dec 75

[Roentgenological diagnosis of traumatic dislocations of the clavicle] Shtuttin AIa, et al. **Klin Khir** (7) Jun 75 **(Rus)**

REHABILITATION

[Outcome of treatment and work capacity evaluation of patients with traumatic dislocations of the acromial end of the clavicle] Shtutin AIa, et al. **Ortop Travmatol Protez** (12):56–7, Dec 75 **(Rus)**

SURGERY

Recurrent anterior dislocation of the glenohumeral joint. de Smedt A, et al. **Acta Orthop Belg** 41(2):215–26, Mar–Apr 75

Surgical treatment of acromioclavicular dislocation. Gronmark T. **Acta Orthop Scand** 47(3):308–10, Jun 76

Post–op therapy for recurrent dislocation of the shoulder. Blush K. **Am Correct Ther J** 30(1):21–2, Jan–Feb 76

A dynamic method of repair for acute and chronic acromioclavicular disruption. Bailey RW, et al. **Am J Sports Med** 4(2):58–71, Mar–Apr 76

Letter: Treatment of shoulder subluxation in the hemiplegic. Mears DC. **Br Med J** 3(5984):648–9, 13 Sep 75

Letter: Bone graft stabilization for recurrent dislocation of the shoulder. Cobey MC. **Clin Orthop** (114):374–7, Jan–Feb 76

The modified Bristow procedure for recurrent dislocation of the shoulder. Lombardo SJ, et al. **J Bone Joint Surg [Am]** 58(2):256–61, Mar 76

Recurrent anterior dislocation of the shoulder. Long–term follow–up of the Putti–Platt and Bankart procedures. Morrey BF, et al. **J Bone Joint Surg [Am]** 58(2):252–6, Mar 76

Letter: Acrominoclavicular dislocation. **J Sports Med** 2(2):118–9, Mar–Apr 75

Acromioclavicular dislocation: method of treatment. Bearden JM, et al. **J Sports Med** 1(4):5–17, 1973

Letter: Acromioclavicular dislocation. Blazine ME. **J Sports Med** 2(1):58–9, Jan–Feb 74

Stabilization in acromioclavicular disruption. Deerhake RH, et al. **J Sports Med** 3(5):218–27, Sep–Oct 75

Sternoclavicular dislocation. **Lancet** 2(7933):491, 13 Sep 75

[Bankart's capsulorrhaphy with preglenoidal clipping for recurrent dislocation of the shoulder] Zucman J, et al. **Nouv Presse Med** 5(5):270–2, 31 Jan 76 **(Fre)**

[New simple surgical method for treatment of habitual shoulder dislocation—preliminary report] Brückner H. **Beitr Orthop Traumatol** 22(6):297–300, Jun 75 **(Ger)**

[Late results of the combined putti–platt and bankart operations for habitual shoulder dislocations (author's transl)] Bänninger J, et al. **Ther Umsch** 31(4):222–6, Apr 74 (Eng. Abstr.) **(Ger)**

[Results of the Bankart–Müller operation for habitual luxation of the shoulder (author's transl)] Cisar J, et al. **Z Orthop** 114(3):360–4, Jun 76 (Eng. Abstr.) **(Ger)**

[Surgical care in total acromioclavicular dislocation] Rahn G. **Zentralbl Chir** 100(20):1263–5, 1975 **(Ger)**

[Surgical treatment of habitual posterior shoulder luxation] Scapinelli R. **Clin Ortop** 24(4):234–40, Oct–Dec 73 (Eng. Abstr.) **(Ita)**

[Rupture of axillary artery during reduction of a dislocated shoulder joint] Maliński B, et al. **Chir Narzadow Ruchu Ortop Pol** 40(4):433–5, 1975 (Eng. Abstr.) **(Pol)**

[Late results of treating dislocations of the acromial end of the clavicle] Shchedrin LI. **Ortop Travmatol Protez** (7):65–7, Jul 75 **(Rus)**

[Treatment of habitual shoulder dislocation] Bazilevskaia ZV. **Vestn Khir** 114(9):76–8, Sep 75 **(Rus)**

[Surgical treatment of dislocation of the acromial process of the clavicle] Kutushev FKh, et al. **Vestn Khir** 115(12):71–3, Dec 75 (Eng. Abstr.) **(Rus)**
[Comparative assesment of methods for the operative treatment of dislocations of the acromial end of the clavicle] Zorin AB, et al. **Vestn Khir** 115(10):110–113, OCT 75 (Eng. Abstr.) **(Rus)**

THERAPY

Letter: Shoulder pain from subluxation in the hemiplegic. Miller J. **Br Med J** 4(5992):345, 8 Nov 75
Treatment of acromioclavicular separations in athletics. Zlotsky NA. **Conn Med** 40(1):15–7, Jan 76
Elastic arm–torso harness. Feagin JA Jr. **J Sports Med** 2(2):99–101, Mar–Apr 75
[Letter: Reposition of shoulder joint luxation] Petersen HC. **Ugeskr Laeger** 138(25):1527, 14 Jun 76 **(Dan)**
[Regional block for reduction of a dislocated shoulder (author's transl)] Neumark J, et al. **Anaesthesist** 25(8):384–6, Aug 76 (Eng. Abstr.) **(Ger)**
[Fatal hemorrhage from a ruptured greater pectoral muscle following reduction of an old upper arm luxation (author's transl)] Raisch OE. **Unfallheilkunde** 79(1):37–9, Jan 76 (Eng. Abstr.) **(Ger)**

VETERINARY

Repair of medial shoulder luxation in dogs. Leighton RL, et al. **Mod Vet Pract** 57(8):604–6, Aug 76

SHOULDER FRACTURES

Trapshooter's shoulder: stress fracture of the coracoid process. Case report. Boyer DW Jr.
J Bone Joint Surg [Am] 57(6):862, Sep 75
The shoulder in sports. **J Sports Med** 2(1):47–50, Jan–Feb 74
[Fracture of the clavicle with avulsion of the coracoid plaque. Apropos of 2 cases] Latarjet M, et al. **Chirurgie** 101(4):245–9, 12–19 Mar 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Another sports fatigue fracture. Stress fracture of the coracoid process of the scapula. Sandrock AR.
Radiology 117(2):274, Nov 75

SURGERY

[Osteosynthese in scapula fractures (author's transl)] Izadpanah M. **Arch Orthop Unfallchir** 83(2):153–64, 27 Oct 75 (Eng. Abstr.) **(Ger)**
[Osteosyntheses in the region of shoulder girdle (1969–1971)] Muschter K. **Beitr Orthop Traumatol** 23(3):124–6, Mar 76 **(Ger)**

VETERINARY

[Fractures of the scapula in pigs intended for slaughter (author's transl)] Van der Wal PG, et al.
Tijdschr Diergeneeskd 100(11):597–603, 1 Jun 75 (Eng. Abstr.) **(Dut)**

SHOULDER-HAND SYNDROME

COMPLICATIONS

[Embolisation of the finger arteries in the thoracic outlet syndrome] Ostheium W, et al. **Dtsch Med Wochenschr** 101(30):1118–20, 23 Jul 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Functional diagnosis of the locomotion apparatus—shoulder–arm–pain and precordial pain] Metz EG. **Beitr Orthop Traumatol** 22(8):435–44, 1975 **(Ger)**
[Neck–shoulder–arm syndrome in the neuropsychiatric consulting hour] Kübrich W, et al.
Z Aerztl Fortbild (Jena) 70(11):567–70, 1 Jun 76 **(Ger)**

DRUG THERAPY

[A study of 93 cases of painful shoulder and shoulder–hand syndrome treated with hydergine (author's transl)] Yaya Huamán R, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(193):131–5, May–Jun 75 (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Shoulder–hand syndrome associated with hemiplegia] Eto F, et al. **Jpn J Geriatr** 12(4):245–51, Jul 75 (Eng. Abstr.) **(Jpn)**

SHOULDER JOINT

Rehabilitation of the shoulder after radical neck dissection. Saunders WH, et al. **Ann Otol Rhinol Laryngol** 84(6):812–6, Nov–Dec 75
Synovial chondromatosis of the shoulder. Varma BP, et al. **Aust NZ J Surg** 46(1):44–5, Feb 76
Editorial: Shoulder–cuff lesions. **Br Med J** 1(6011):672–3, 20 Mar 76
Letter: Injecting the painful shoulder. Quin CE. **Lancet** 1(7956):427, 21 Feb 76
Management of painful shoulder. Roy S, et al. **Lancet** 1(7973):1322–4, 19 Jun 76
Letter: Injecting the painful shoulder. Weiser HI. **Lancet** 1(7959):589, 13 Mar 76
Letter: 99mTc–pertechnetate scanning in capsulitis. Wright MG, et al. **Lancet** 2(7947):1265–6, 20 Dec 75
Modification to the conventional wheel for measuring the range of movements of the shoulder joint. Bansil CK.
Med J Zambia 9(4):111–3, Aug–Sep 75
Letter: Calcification of the shoulders and diabetes mellitus. Kaklamanis P, et al. **N Engl J Med** 293(24):1266–7, 11 Dec 75
Physiotherapy and the frozen shoulder: a comparative trial of ice and ultrasonic therapy. Hamer J, et al.
NZ Med J 83(560):191–2, 24 Mar 76
Ernest Fletcher Lecture. The painful shoulder. Richardson AT. **Proc R Soc Med** 68(11):731–6, Nov 75
Treatment of capsulitis of the shoulder. Williams NE, et al. **Rheumatol Rehabil** 14(4):236, Nov 75
The natural history of the frozen shoulder syndrome. Reeves B. **Scand J Rheumatol** 4(4):193–6, 1975
Ischemic necrosis of multiple major joints: report of two cases. Bryan WJ, et al. **South Med J** 69(1):70–5, Jan 76
[Necrosis of the head of the humerus treated by a scurasil prosthesis. With 2 case reports (author's transl)] Apoil A, et al. **Ann Chir** 29(12):1079–82, Dec 75 (Eng. Abstr.) **(Fre)**
[Progressive necrosis of the humerus head in syringomyelia] Heyser K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):280–1, Sep 75 **(Ger)**
[Possibilities and limits of arthroscopy of rheumatic joints] Hertel E. **Z Orthop** 113(4):798–801, Aug 75 **(Ger)**
[Mobilization under local anesthesia for painful primary frozen shoulder] Weiser HI. **Harefuah** 90(5):215–9, 1 Mar 76 (Eng. Abstr.) **(Heb)**
[Giant synovial cyst of the shoulder joint—a case study] Ono O, et al. **Ryumachi** 15(3):279–87, Oct 75 (Eng. Abstr.) **(Jpn)**
[Neer's operation in the treatment of inveterate syndromes of painful shoulder] Ramotowski W, et al.
Chir Narzadow Ruchu Ortop Pol 41(1):69–72, 1976 (Eng. Abstr.) **(Pol)**
[Treatment of neurogenic painful shoulder syndromes] Kotwica S, et al. **Wiad Lek** 29(11):979–81, 1 Jun 76 (Eng. Abstr.) **(Pol)**
[Shoulder join luxation following electric current shock] Lebensztejn W, et al. **Wiad Lek** 29(13):1195–7, 1 Jul 76 (Eng. Abstr.) **(Pol)**
[Symptom of crepitant shoulder girdle in steroid induced spondylopathy] Shul'tsev GP. **Klin Med (Mosk)** 52(3):135, Mar 74 **(Rus)**
[Ambulatory treatment of humero–scapular periarthritis, humeral epicondylitis and radial styloiditis by local injections of hydrocortisone] Gudushauri ON, et al.
Ortop Travmatol Protez (8):24–6, Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Study of the vascularization of the scapulo–humeral capsule. Anatomic data and surgical application] Morin A, et al.
Arch Anat Pathol (Paris) 23(4):299–301, Dec 75 **(Fre)**

INJURIES

Surgical treatment of acromioclavicular dislocation. Gronmark T. **Acta Orthop Scand** 47(3):308–10, Jun 76
Throwing injuries of the shoulder and elbow in adults. Kerlan RK, et al. **Curr Pract Orthop Surg** 6:41–48, 1975
Late reconstruction of the ligaments following acromioclavicular separation. Zaricznyj B.
J Bone Joint Surg [Am] 58(6):792–5, Sep 76
Little league shoulder: lesions of the proximal humeral epiphyseal plate. Cahill BR, et al. **J Sports Med** 2(3):150–2, May–Jun 74
Little league shoulder: rotational stress fracture of proximal epiphysis. Tullos HS, et al. **J Sports Med** 2(3):152–3, May–Jun 74

PHYSIOLOGY

Normal and abnormal motion of the shoulder. Poppen NK, et al. **J Bone Joint Surg [Am]** 58(2):195–201, Mar 76
Normal and abnormal motion of the shoulder. Poppen NK, et al. **Surg Forum** 26:519, 1975

PHYSIOPATHOLOGY

Normal and abnormal motion of the shoulder. Poppen NK, et al. **Surg Forum** 26:519, 1975
['Coaptation' of the scapulohumeral region] le Coeur P.
Z Orthop 113(4):833–4, Aug 75 **(Ger)**

RADIOGRAPHY

Soft tissue xeroradiography of the shoulder joint. Reichmann S, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):572–6, Nov 75
Radiology case of the month. Case number 5. Bjelland JC, et al. **Ariz Med** 32(12):961–2, Dec 75
Proceedings: Shoulder arthrography. Preston BJ, et al.
Br J Radiol 49(579):288, Mar 76
Distension arthrography of the shoulder joint. Older MW, et al. **Can J Surg** 19(3):203–7, May 76
Calcific tendinitis of the shoulder joint and its roentgen manifestations. Pulich JJ. **J Am Osteopath Assoc** 75(11):987–93, Jul 76
The shoulder joint. Jones DG, et al. **J Small Anim Pract** 16(8):523–6, Aug 75
[Paraglenoid hyerostosis: shoulder arthrosis or occupational?] Laczay A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):570–3, Jun 76 (Eng. Abstr.) **(Ger)**
[Arthrography in humeroscapular peri–arthritis] Weber J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):573–80, Jun 76 (Eng. Abstr.) **(Ger)**
[Radiographic examination of the shoulder joint in chronic rheumatoid arthritis] Torisu T, et al. **Ryumachi** 15(3):231–43, Oct 75 (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical treatment of rupture of the rotator cuff tendon. Bakalim G, et al. **Acta Orthop Scand** 46(5):751–7, Nov 75
A dynamic method of repair for acute and chronic acromioclavicular disruption. Bailey RW, et al.
Am J Sports Med 4(2):58–71, Mar–Apr 76
Operative treatment of acromioclavicular dislocations. Burton ME. **Bull Hosp Joint Dis** 36(2):109–120, Oct 75
Total shoulder arthroplasty: experimental but promising. Linscheid RL, et al. **Geriatrics** 31(4):64–9, Apr 76
Reconstructive surgical procedures in osteoarthritis of the shoulder. pp. 258–65. Conaty JP.
In: Symposium on Osteoarthritis. St. Louis, Mosby, 1976. WE 348 S989s 1974.
[Arthrodesis of the shoulder] Linclau LA, et al.
Ned Tijdschr Geneeskd 119(38):1452–8, 20 Sep 75 (Eng. Abstr.) **(Dut)**
[Indication for surgery in shoulder–joint proximal fractures of the humerus and results] Krakovic M, et al.
Monatsschr Unfallheilkd 78(7):326–32, Jul 75 (Eng. Abstr.) **(Ger)**
[Shoulder joint prosthesis] Kölbel R, et al. **Z Orthop** 113(4):452–4, Aug 75 **(Ger)**
[Total replacement of the shoulder joint] Weigert M, et al.
Zentralbl Chir 100(17):1037–44, 1975 **(Ger)**
[Resection–endoprosthesis of the proximal humerus (indications and review of 37 cases)] Campanacci M, et al. **Chir Organi Mov** 62(5):465–9, 1975 (Eng. Abstr.) **(Ita)**
[Late results of treating dislocations of the acromial end of the clavicle] Shchedrin LI. **Ortop Travmatol Protez** (7):65–7, Jul 75 **(Rus)**
[Surgical treatment of dislocation of the acromial process of the clavicle] Kutushev FKh, et al. **Vestn Khir** 115(12):71–3, Dec 75 (Eng. Abstr.) **(Rus)**

SHOWDOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SHREWS

Steroid dehydrogenases in the kidney of musk shrew, Crocidura caerulea: a histochemical study. Gouder BY, et al. **Acta Histochem (Jena)** 54(2):230–5, 1975
Induction of liver tumors by aflatoxin B1 in the tree shrew (Tupaia glis), a nonhuman primate. Reddy JK, et al.
Cancer Res 36(1):151–60, Jan 76
Latent Pneumocystis carinii infections in some mammals from Taipei Hsien, Taiwan. Cross JH, et al.
J Formosan Med Assoc 74(8):564–7, Aug 75
Shrews: a review of the diseases, anomalies, and parasites. Stunkard JA, et al. **Lab Anim Sci** 25(6):723–34, Dec 75 (73 ref.)

ANATOMY & HISTOLOGY

Ultrastructure of epididymal spermatozoa of the Asiatic Musk Shrew, Suncus murinus. Green JA, et al.
Biol Reprod 14(3):327–31, Apr 76
[Cytoarchitecture of projection– and association–formations in insectivorous neocortex] Kurepina MM. **J Hirnforsch** 15(4):283–98, 1974 (Eng. Abstr.) **(Ger)**
[A method of rational particle counting (author's transl)] Schleicher A, et al. **Microsc Acta** 77(1):37–47, May 75 (Eng. Abstr.) **(Ger)**
[Biometric studies on the brain development in Tupaia belangeri] Kretschmann HJ, et al. **Verh Anat Ges** 68:389–97, 1974 **(Ger)**
[Biometric analysis of the number of neurons in the nucl. n. oculomotorii and nucl. n. trochlearis in an ontogenetic study on Tupaia belangeri] Zilles E, et al.
Verh Anat Ges 68:399–408, 1974 **(Ger)**

METABOLISM

Cyclic changes in the uterine phosphatases of Suncus murinus sindensis Anderson, the Indian common house shrew. Sharma A, et al. **Acta Anat (Basel)** 92(3):376–84, 1975
A preliminary model of DDT kinetics in an old–field ecosystem. Forsyth DJ, et al. **Environ Qual Saf [Suppl]** 3:754–9, 1975
Estrogen–concentrating neuron systems in the brain of the tree shrew. Keefer DA, et al. **Gen Comp Endocrinol** 26(4):504–16, Aug 75
Nature of pigment in teeth of pygmy shrew, Sorex minutus. Lunt DA, et al. **J Dent Res** 54(5):1087, Sep–Oct 75
Sites of production of fructose and citric acid in the accessory sex glands of the male musk shrew, Suncus murinus. Mokkapati S, et al. **J Reprod Fertil** 45(3):527–8, Dec 75

MICROBIOLOGY

Dermatophytes and other keratinophilic fungi recovered from small mammals in India. Gugnani HC, et al.
Mykosen 18(12):529–38, Dec 75
[The Salmonellas isolated from rats and shrew–mice in the Saigon–Giadinh region] Nguyen–Van–Ai, et al.
Bull Soc Pathol Exot 67(6):579–82, Nov–Dec 74 (Eng.

Abstr.) (Fre)

PARASITOLOGY

Ectoparasites in two diverse habitats in western Oregon. II. Chiggers (Acari: Trombiculidae). Easton ER. **J Med Entomol** 12(3):295–8, 25 Sep 75

Xenoryctes nudus, n. sp. (Acarina: Glycyphagidae), a new hypopus from the smoky shrew, Sorex fumeus, in North America. Fain A, et al. **J Med Entomol** 12(3):369–70, 25 Sep 75

Capillaria hepatitis in the Indonesian house shrew, Suncus murinus. Brown RJ. **Southeast Asian J Trop Med Public Health** 6(4):599–601, Dec 75

[On three Trichostrongylides Nematodes parasites of the Tupaiidae] Durette-Desset MC, et al. **Ann Parasitol Hum Comp** 50(2):173–85, Mar–Apr 75 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Effect of cadmium chloride on testis and seminal vesicular fructose contents of shrew (Suncus murinus anderson), gerbil (Meriones hurrianae jerdon) and hedgehog (Hemiechinus auritus collaris). Lohiya NK, et al. **Acta Eur Fertil** 7(1):75–81, Mar 76

Quantitative evaluation of the spermatogenetic cycle of Suncus murinus sindensis (Anderson) with reference to seasonal changes. Goyal RP, et al. **Folia Biol (Krakow)** 23(1):63–8, 1975

Asymmetry of spermiation and sperm surface charge patterns over the giant acrosome in the musk shrew Suncus murinus. Cooper GW, et al. **J Cell Biol** 69(2):415–28, May 76

Neuroanatomical basis of binaural phase-difference analysis for sound localization: a comparative study. Masterton B, et al. **J Comp Physiol Psychol** 89(5):379–86, Jul 75

Sexual receptivity and oestrus in the white-toothed shrew, Crocidura russula monacha. Hellwing S. **J Reprod Fertil** 45(3):469–77, Dec 75

SHRIMP

Nutritional evaluation of protein from shrimp cannery effluent (shrimp waste protein). Toma RB, et al. **J Agric Food Chem** 23(6):1168–71, Nov–Dec 75

Do brine shrimp diagnose cystic fibrosis? Hodes ME, et al. **Pediatr Res** 9(11):812–6, Nov 75

ANALYSIS

Messenger ribonucleoprotein complexes in cryptobiotic embryos of Artemia salina. Slegers H, et al. **Arch Int Physiol Biochim** 83(5):999–1000, Dec 75

Oplophorus oxyluciferin and a model luciferin compound biologically active with Oplophorus luciferase. Yamaguchi I. **Biochem J** 151(1):9–15, Oct 75

The hemoglobins of Artemia salina—III. Characterization. Bowen ST, et al. **Comp Biochem Physiol [B]** 55(1):99–103, 1976

Sterols of the lobster (Homarus americanus) and the shrimp (Pandalus borealis). Gagosian RB. **Experientia** 31(8):878–80, 15 Aug 75

Determination of malathion, malaoxon, and mono- and dicarboxylic acids of malathion in fish, oyster, and shrimp tissue. Cook GH, et al. **J Agric Food Chem** 24(3):631–4, May–Jun 76

CYTOLOGY

Pressure-induced dissociation of ribosomes isolated from Artemia salina observed by light scattering. Nieuwenhuysen P, et al. **Arch Int Physiol Biochim** 83(5):983–4, Dec 75

DRUG EFFECTS

Separation and comparative toxicity of toxaphene components. Nelson JO, et al. **J Agric Food Chem** 23(5):984–90, Sep–Oct 75

EMBRYOLOGY

DNA-dependent RNA-polymerases from Artemia embryos. characterization of polymerases I and II from nauplius larvae. Birndorf HC, et al. **Dev Biol** 45(1):34–43, Jul 75

ENZYMOLOGY

Dinucleosidasetetraphosphatase in rat liver and Artemia salina. Vallejo CG, et al. **Biochim Biophys Acta** 438(1):304–9, 7 Jun 76

Isolation and partial characterization of supernatant and mitochondrial shrimp muscle malate dehydrogenases. Hodnett JL, et al. **Comp Biochem Physiol [B]** 54(2):271–7, 1976

Phosphoglucomutase polymorphism in white shrimp, Penaeus setiferus. Marvin KT, et al. **Comp Biochem Physiol [B]** 53(1):127–31, 1976

Separation, properties, localization and nycthemeral variations of a DNAse, a phosphodiesterase, a RNAse and an alkaline phosphase from the hepatopancreas of Palaemon serratus (Crustacea natantia). Rodriguez D, et al. **Comp Biochem Physiol [B]** 54(1):181–91, 1976

DNA-dependent RNA polymerases from Artemia salina. Subunit structure of polymerase II. Bagshaw JC. **Nucleic Acids Res** 3(6):1449–61, Jun 76

GROWTH & DEVELOPMENT

Microbes as food in mariculture. Ryther JH, et al. **Annu Rev Microbiol** 29:429–43, 1975

Changes in form of elongation factor during development of Artemia salina. Slobin LI, et al. **Nature** 258(5534):452–4, 4 Dec 75

METABOLISM

ATP requirement for binding of 125I-labeled globin mRNA to Artemia salina ribosomes. Kramer G, et al. **Arch Biochem Biophys** 174(1):355–8, May 76

Effect of development of Artemia salina embryos on Poly(U) translation by isolated ribosomal subunits. Snoeks A, et al. **Arch Int Physiol Biochim** 83(5):1000–1, Dec 75

Proceedings: Transcriptional capacity of isolated nuclei from cryptobiotic embryos and nauplii of Artemia salina. Swennen L, et al. **Arch Int Physiol Biochim** 84(1):185–6, Feb 76

Cryptic form of mRNA in dormant Artemia salina cysts. Grosfeld H, et al. **Biochem Biophys Res Commun** 67(1):176–81, 3 Nov 75

Messenger RNA in undeveloped and developing Artemia salina embryos. Sierra JM, et al. **Biochem Biophys Res Commun** 69(1):181–9, 8 Mar 76

Disaggregation of elongation factor 1 by extracts of Artemia salina. Twardowski T, et al. **Biochem Biophys Res Commun** 71(3):826–33, 9 Aug 76

Metabolic significance in nucleic acid metabolism and protein synthesis of dietary AMP requirements in Artemia salina (L.). Hernandorena A. **Biol Bull** 148(3):416–28, Jun 75

Interrelationships between water and metabolism in Artemia cysts—II. Carbohydrates. Clegg JS. **Comp Biochem Physiol [A]** 53(1):83–7, Jan 76

Interrelationships between water and metabolism in Artemia cysts—III. Respiration. Clegg JS. **Comp Biochem Physiol [A]** 53(1):89–93, Jan 76

Proceedings: Mechanism of formation of the polypeptide chain initiation complex in Eukaryotes. Ochoa S. **J Biochem (Tokyo)** 79(4):30P–31P, Apr 76

Experiments in marine biochemistry. Homarine metabolism in Penaeus duorarum. Hall ER, et al. **J Biol Chem** 250(17):6943–6, 10 Sep 75

mRNA methylation and protein synthesis in extracts from embryos of brine shrimp, Artemia salina. Muthukrishnan S, et al. **J Biol Chem** 250(24):9336–41, 25 Dec 75

Interrelationships between water and cellular metabolism in Artemia cysts. IV. Adenosine 5'-triphosphate and cyst hydration. Clegg JS, et al. **J Cell Physiol** 88(2):159–66, Jun 76

The nature of the differential inhibition of polyphenylalanine synthesis in extracts from Artemia salina and rabbit reticulocytes by the Phytolacca americana protein. Suits JP, et al. **Mol Biol Rep** 2(5):363–7, Apr 76

Chlorinated pesticides and polychorinated biphenyls in marine species, Oregon/Washington Coast, 1972. Claeys RR, et al. **Pestic Monit J** 9(1):2–10, Jun 75

MICROBIOLOGY

Retention of Salmonella typhimurium by certain species of fish and shrimp. Lewis DH. **J Am Vet Med Assoc** 167(7):551–2, 1 Oct 75

PARASITOLOGY

Metabolic response of the caridean shrimp Palaemonetes pugio to infection by the adult epibranchial isopod parasite Probopyrus pandalicola. Anderson G. **Comp Biochem Physiol [A]** 52(1):201–7, 1 Sep 75

Alloglossidium renale n. sp. (Digenea: Macroderoididae) from a fresh-water shrimp and A. progeneticum n. comb. Font WF, et al. **Trans Am Microsc Soc** 94(3):421–4, Jul 75

PHYSIOLOGY

Seasonal effects of leached mirex on selected estuarine animals. Tagatz ME, et al. **Arch Environ Contam Toxicol** 3(3):371–83, 1975

Structure of a light-adapting hormone from the shrimp, Pandalus borealis. Fernlund P. **Biochim Biophys Acta** 439(1):17–25, 19 Jul 76

Burying and molting of pink shrimp, Penaeus duorarum (Crustacea: Penaeidae), under selected photoperiods of white light and UV-Light. Bishop JM, et al. **Biol Bull** 150(2):163–82, Apr 76

Chemoreception in the shrimp, Palaemonetes pugio: comparative study of stimulatory substances in human serum. Carr WE, et al. **Biol Bull** 148(3):380–92, Jun 75

Lunar and tidal periodicity of molting and reproduction in stomatopod crustacea: a selfish herd hypothesis. Reaka ML. **Biol Bull** 150(3):468–90, Jun 76

Acute toxicity of the insecticides toxaphene and carbaryl and the herbicides propanil and molinate to four species of aquatic organisms. Chaiyarach S, et al. **Bull Environ Contam Toxicol** 14(3):281–4, Sep 75

Hatching rate as bioassay. Proposal for a standard technique. Jensen K. **Bull Environ Contam Toxicol** 14(5):562–4, Nov 75

Toxicity of polychlorinated biphenyls (Aroclor 1254) to adult, juvenile, and larval stages of the shrimp Palaemonetes pugio. Roesijadi G, et al. **Bull Environ Contam Toxicol** 15(3):297–304, Mar 76

The role of dispersion in fuel oil bioassay. Vanderhorst JR, et al. **Bull Environ Contam Toxicol** 15(1):93–100, Jan 76

Chemoreception and feeding behavior in the pigfish, Orthopristis chrysopterus: characterization and identification of stimulatory substances in a shrimp extract. Carr WE. **Comp Biochem Physiol [A]** 55(2a):153–7, 1976

Chemical stimulation of feeding behavior in the pinfish, Lagodon phomboides: characterization and identification of stimulatory and substances extracted from shrimp. Carr WE, et al. **Comp Biochem Physiol [A]** 54(4):437–41, 1976

Salinity tolerance of the tidepool shrimp Palaemon ritteri Holmes. Reynolds WW. **Comp Biochem Physiol [A]** 52(4):665–7, 1 Dec 75

Some effects of the mole-inhibiting hormone and 20-hydroxyecdysone upon molting in the grass shrimp, Palaemonetes pugio. Freeman JA, et al. **Gen Comp Endocrinol** 28(2):131–42, Feb 76

Methods to assess effects of combinations of toxicants, salinity and temperature on estuarine animals. pp. 167–77. Bahner LH, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Free amino acids and osmoregulation in penaeid shrimp. Cobb BF 3d, et al. **J Agric Food Chem** 23(6):1172–4, Nov–Dec 75

Chlordane: effects on several estuarine organisms. Parrish PR, et al. **J Toxicol Environ Health** 1(3):485–94, Jan 76

[Neurosecretion and hydroelectrolytic regulation in Artemia salina (author's transl)] van der Bosch de Aguilar PH. **Experientia** 32(2):228–9, 15 Feb 76 (Eng. Abstr.) (Fre)

RADIATION EFFECTS

X-ray induced behavioral reactions and detection mechanisms in the shrimp. Kernek SP, et al. **Physiol Behav** 15(1):1–5, Jul 75

ULTRASTRUCTURE

Rhabdom changes in the shrimp, Palaemonetes. Itaya SK. **Cell Tissue Res** 166(2):265–73, 12 Feb 76

[Fixation of germ cells of the ovaries of sea shrimp for ultrastructural studies] Worsmann TU. **Rev Bras Biol** 34(4):645–52, 1974 (Eng. Abstr.) (Por)

SHWARTZMAN PHENOMENON

[Shwartzman reaction and new neurologic symptoms in mice] Yamanaka F, et al. **Jpn J Bacteriol** 30(1):227, Jan 75 (Jpn)

[Local Shwartzman phenomenon in germ-free guinea pig] Chakhava OV, et al. **Biull Eksp Biol Med** 80(7):76–8, Jul 75 (Eng. Abstr.) (Rus)

[Local shwartzman phenomenon in animals with a complete absence and a reduction of the normal microflora] Gorskaia EM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):85–9, Apr 75 (Eng. Abstr.) (Rus)

BLOOD

The effects of infusion of thrombin or endotoxin in rabbits treated with cortisone. Stafford BT, et al. **Thromb Diath Haemorrh** 34(1):159–68, 30 Sep 75

CHEMICALLY INDUCED

Elicitation of the generalized Shwartzman reaction in rabbits with parenteral iron preparations and bacterial endotoxin. Eriksson H, et al. **Acta Vet Scand** 16(2):226–35, 1975

DIAGNOSIS

A study of the large heparin requirements in the generalized Shwartzman reaction. Gurewich V, et al. **Blood** 47(2):297–304, Feb 76

DRUG THERAPY

[Studies on anti-inflammatory agents. XXVI. Effect on local Shwartzman reaction in rabbits (author's transl)] Nakanishi M, et al. **J Pharm Soc Jpn** 94(11):1368–76, Nov 74 (Eng. Abstr.) (Jpn)

ETIOLOGY

Induction of generalized shwartzman reaction(GSR) in irradiated rabbits by a single injection of endotoxin. Wronowski T, et al. **Thromb Res** 8(4):501–12, Apr 76

IMMUNOLOGY

The role of complement in localized shwartzman reaction: studies with congenitally C6-deficient rabbits. Fong JS, et al. **Clin Exp Immunol** 16(1):77–88, Jan 74

The role of complement in localized Shwartzman reaction: studies with congenitally C6-deficient rabbits. Fong JS, et al. **Clin Exp Immunol** 16(1):77–88, Jan 74

The Shwartzman reaction. pp. 359–62. Hawiger J, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

METABOLISM

Proceedings: Release of prostaglandins in the knee joint of the dog during local Shwartzman-like reaction. Herman AJ. **Br J Pharmacol** 55(2):241P–242P, Oct 75

The influence of large doses of hydrocortisone on the generalized Shwartzman reaction in rabbit. Szczepanski M, et al. **Thromb Res** 8(1):71–81, Jan 76

PATHOLOGY

[Morphologic changes in the lymph nodes of ordinary guinea pigs and animals with reduced intestinal microflora during the local Shwartzman phenomenon] Gorskaia EM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):114–5, Apr 76 **(Rus)**

PHYSIOPATHOLOGY

Isoproterenol, endotoxin shock, and the generalized shwartzman reaction. Collins AD, et al. **Arch Pathol Lab Med** 100(6):315–7, Jun 76

SIALADENITIS see under **SALIVARY GLAND DISEASES**

SIALIC ACIDS

Influence of cations, sialic acid and pH on the expansion of films of canine lung surfactant. Engen RL, et al. **Arch Int Physiol Biochim** 83(5):863–70, Dec 75

The anomeric configuration of N-acetylneuraminic acid released by the action of Vibrio cholerae neuraminidase. Holmquist L, et al. **FEBS Lett** 60(2):327–30, 15 Dec 75

Synthesis of 9-O-acetyl- and 4,9-di-O-acetyl derivatives of the methyl ester of N-acetyl-beta-D-neuraminic acid methylglycoside. Their use as models in periodate oxidation studies. Haverkamp J, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1575–83, Oct 75

Involvement of sialic acids in the immunological specificity of plasma membrane glycoproteins. Prat M, et al. **Immunochemistry** 13(2):97–102, Feb 76

ANALYSIS

Fluorometric assay of sialic acid in the picomole range: a modification of the thiobarbituric acid assay. Hammond KS, et al. **Anal Biochem** 74(2):292–7, Aug 76

Fluorimetric assay of sialic acids. Murayama JI, et al. **Anal Biochem** 73(2):535–8, Jun 76

Sialic acid in thyroglobulin. II. Influence of sialic acid on ionization of tyrosine residues. Maresz Z. **Arch Immunol Ther Exp (Warsz)** 23(3):361–5, 1975

Sialic acid in crude myelin fractions from rat brain. Langley OK. **Biochem J** 148(3):375–80, Jun 75

Reactivity of the sialic acid derivative 5-acetamido-3, 5-dideoxy-L-arabino-heptulosonic acid in the resorcinol and thiobarbituric acid assays. Peters BP, et al. **Carbohydr Res** 47(2):345–53, Apr 76

Sialic acid containing abnormal amylases in human sera. Sudo K, et al. **Clin Chim Acta** 64(3):303–6, 3 Nov 75

N-acetyl-9-O-L-lactylneuraminic acid, a new acylneuraminic acid from bovine submandibular gland. Schauer R, et al. **Eur J Biochem** 62(2):237–42, 16 Feb 76

The use of a transesterification technique to distinguish between certain neuraminidase resistant epithelial mucins. Reid PE, et al. **Histochemistry** 46(3):203–7, 26 Feb 76

The histochemical application of dansylhydrazine as a fluorescent labeling reagent for sialic acid in cellular glycoconjugates. Weber P, et al. **Histochemistry** 45(4):271–7, 19 Dec 75

Boar acrosin, I: modified isolation procedure, active-site titration and evidence for the presence of sialic acid. Schleuning WD, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1915–21, Dec 75

Occurrence, isolation and identification of sialic acids and their involvement in glycoprotein biosynthesis. pp. 1075–91. Schauer R, et al.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.

Changing patterns of sialic acid in the spermatozoa & luminal plasma of the epididymis & vas deferens of the hamster, Mesocricetus auratus (Waterhouse). Bose TK, et al. **Indian J Exp Biol** 13(1):8–11, Jan 75

Sialic acid in the semen of normal vasectomized and hypospermatogenic individuals. Das RP, et al. **Indian J Med Res** 63(9):1234–7, Sep 75

Sialic acid in rabbit lacrimal gland fluid. Kreuger J, et al. **Invest Ophthalmol** 15(6):479–81, Jun 76

Proceedings: Inhibition of virus-induced platelet aggregation by treatment of platelets with neuraminidase. Chernesky MA, et al. **Thromb Diath Haemorrh** 34(1):348, 30 Sep 75

Proceedings: Electron microscope analysis of the surface charge of human platelets; stored and aggregated by polymeric bases. Taketomi Y, et al. **Thromb Diath Haemorrh** 34(2):568, 15 Nov 75

Sialic acid contents of sindbis virus from vertebrate and mosquito cells. Equivalence of biological and immunological viral properties. Stollar V, et al. **Virology** 69(1):104–15, Jan 76

[Histochemical investigations on sialic acid containing compounds in the CNS of teleosts (author's transl)] Rahmann H, et al. **Histochemistry** 44(4):291–302, 29 Sep 75 **(Ger)**

[Sialic acids in plants. Note III. Sialic acid content of pollens] Ferrara L, et al. **Boll Soc Ital Biol Sper** 51(11):696–8, 15 Jun 75 **(Ita)**

[Sialic acids in extramammary Paget's disease (author's transl)] Ishikawa H, et al. **Jpn J Dermatol [A]** 85(5):295–7, 15 Apr 75 **(Jpn)**

[Variation of the sialic acid-protein ratio in the human cervical mucus (author's transl)] Kesserü E, et al. **Reproduccion** 2(2):131–9, Apr-Jun 75 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Synthesis of N-acetyl neuraminic acid from [14C] glucose by the epidermis of the brown trout, Salmo trutta L. Pickering AD. **Comp Biochem Physiol [B]** 54(3):325–8, 1976

Sialoglycoprotein synthesis in developing rat brain. van den Eijnden DH, et al. **Neurobiology** 5(4):221–7, Aug 75

BLOOD

Human fibrinogen and asialo-fibrinogen: a comparison of coagulation parameters. Gentry PA, et al. **Arch Biochem Biophys** 173(1):50–7, Mar 76

Influence of sialic acid groups on the retention of glycosphingolipids in blood plasma. Barkal A, et al. **Biochim Biophys Acta** 398(2):287–93, 25 Aug 75

Sialic acid, electrophoretic mobility and transmembrane potentials of the Amphiuma red cell. Pape L, et al. **Biochim Biophys Acta** 406(4):516–25, 3 Nov 75

Maternal serum sialomucins during pregnancy and postpartum in patients with pre-eclampsia. Good W. **Br J Obstet Gynaecol** 82(11):907–16, Nov 75

Studies of the metabolism of asialotrasferrins: the in vivo behavior of baboon and rhesus asialotransferrins. Regoeczi E, et al. **Can J Biochem** 53(12):1255–61, Dec 75

Protein-bound carbohydrates in breast cancer. Liquid-chromatographic analysis for mannose, galactose, fucose, and sialic acid in serum. Mrochek JE, et al. **Clin Chem** 22(9):1516–21, Sep 76

Sialoproteinaemia: lack of correlation with inhibition of in vitro lymphoblastosis induced by phytohaemagglutinin or alloantigen. Gray BN, et al. **Clin Exp Immunol** 25(2):227–33, Aug 76

Comparative studies of human, equine, porcine and bovine erythrocyte membrane sialoglycoproteins. Hamazaki H, et al. **Comp Biochem Physiol [B]** 55(1):37–44, 1976

A micro-method for quantitative determination of acylneuraminic acids from erythrocyte membranes. Schauer R, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1727–32, Nov 75

In vivo behaviour of asialotransferrins. pp. 133–43. Regoeczi E, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

Differential concentration of surface sialic acid in human T & B lymphocytes. Sundaresan P, et al. **Indian J Exp Biol** 13(6):523–6, Nov 75

Comparison of electrophoretic mobility and membrane sialic acid content of erythrocytes from adult and umbilical cord blood. Luner SJ, et al. **Pediatr Res** 9(7):583–5, Jul 75

Serum sialic acid levels in lung cancer patients. Krolikowski FJ, et al. **Pharmacology** 14(1):47–51, 1976

One step separation of the sialoprotein possessing ABH and MN blood group activities from human red cell membrane. Sagisaka K, et al. **Tohoku J Exp Med** 116(3):297–8, Jul 75

[Influence of vitamin A on the sialoglycoproteids and the electrophoretic motility of erythrocytes] Kalashnikov IuK. **Vopr Pitan** (2):18–9, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Certain biochemical indicators of the blood in patients with rheumatism] Rachinskiĭ ID, et al. **Vrach Delo** (1):41–4, Jan 74 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

N-acetylneuraminic acid in the cerebrospinal fluid of hydrocephalic children. Gumiński T, et al. **Acta Med Pol** 17(1):85–94, 1976

Experimental pneumococcal meningitis. Effects of neuraminidase and other pneumococcal constituents on cerebrospinal fluid in the intact dog. O'Toole RD, et al. **J Neurol Sci** 26(2):167–78, Oct 75

IMMUNOLOGY

Immunological properties of Tg carbohydrates: enhancement of Tg immunoreaction by removal of sialic acid. Salabè H, et al. **Clin Exp Immunol** 25(2):234–43, Aug 76

ISOLATION & PURIFICATION

Identification of sialic acid in polysaccharide antigens in group B Streptococcus. Baker CJ, et al. **Infect Immun** 13(1):284–8, Jan 76

Separation of ABH, I, Ss antigenic activity from the MN-active sialoglycoprotein of the human erythrocyte membrane. Anstee DJ, et al. **Vox Sang** 29(5):378–89, 1975

METABOLISM

Sialic acid and sialidase activity in human endometrial tissue, uterine fluid and plasma under different conditions of uterine dysfunction. Ganguly S, et al. **Acta Endocrinol (Kbh)** 81(3):574–9, Mar 76

Changes in sialic acid levels in the dog epididymides under normal and altered physiologic conditions. Dixit VP, et al. **Acta Eur Fertil** 6(2):101–6, Jun 75

Influence of phospholids on liver damage. I. Carbontetrachloride poisoning and alterations in amino acid uptake, peroxidation, sialic acid content, and lysosomal enzymes. Gerber GB, et al. **Acta Hepatogastroenterol (Stuttg)** 22(3):175–80, Jun 75

Comparative histochemistry of gastrointestinal mucosubstances. Sheahan DG, et al. **Am J Anat** 146(2):103–31, Jun 76

The nonuniform distribution of acidic components on the human placental syncytial trophoblast surface membrane: a cytochemical and analytical study. Nelson DM, et al. **Anat Rec** 184(2):159–81, Feb 76

Increased levels of sialic acid associated with a sialidase deficiency in I-cell disease (mucolipidosis II) fibroblasts. Thomas GH, et al. **Biochem Biophys Res Commun** 71(1):188–95, 12 Jul 76

Changes in sugar composition of membrane-bound glycoproteins during postnatal development of rat cerebellum. Gombos G, et al. **Biochem Soc Trans** 3(5):694–6, 1975

Sialic acid uptake by fibroblasts. Hirschberg CB, et al. **Biochemistry** 15(16):3591–9, 10 Aug 76

Protein-lipid interactions in the sialic acid incorporating system of liver microsomes. Järnefelt J. **Biochim Biophys Acta** 428(3):711–9, 28 May 76

Cytidine-5'-monophosphate-N-acetylneuraminic acid. Asialoglycoprotein sialic acid transferase activity in liver and serum of patients with juvenile hepatic cirrhosis and alpha-1-antitrypsin deficiency. Kuhlenschmidt MS, et al. **Biochim Biophys Acta** 429(2):359–73, 8 Apr 76

Incorporation of sialic acid into gangliosides and glycoproteins of the optic pathway following an intraocular injection of [N-3H]acetylmannosamine in the chicken. Rösner H. **Brain Res** 97(1):107–16, 24 Oct 75

Ganglioside pattern and neuraminic acid content of human gastric and colonic carcinoma. Keränen A, et al. **Clin Chim Acta** 70(1):103–12, 1 Jul 76

The sialic acid and carbohydrate content and the synthesis of glycoprotein from radioactive precursors by tissues of the normal and diseases upper intestinal tract. Roberts SH, et al. **Clin Chim Acta** 63(2):121–8, 1 Sep 75

Ganglioside, protein, hexose, and sialic acid changes in the trisected optic tectum of the chick embryo. Irwin LN, et al. **Dev Biol** 49(1):29–39, Mar 76

Reappearance in vivo of neuraminidase-sensitive sialic acid in L 5222 rat leukemia cells. Roeder C, et al. **Experientia** 32(8):1049–50, 15 Aug 76

Cyclic changes in sialic acid and alkaline phosphatase levels from normal and infected cervices. pp. 357–66. Sobrero AJ, et al.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971.

Mechanism of renewal of sialic acid residues on the surface of a tumour cell line treated with neuraminidase. pp. 1065–73. Hughes RC.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.

Sialoglycoprotein biosynthesis in the developing rat brain. pp. 1053–7. Van den Eijnden DH, et al.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.

Action of adenosine 3',5'-cyclic monophosphate on rat uterus. pp. 421–5. Jain SK.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Glycosaminoglycans and sialoproteins in skin aging. Rabbiosi G, et al. **Ital Gen Rev Dermatol** 11(1):23–35, Jan-Apr 74

The in vivo effect of colchicine on the addition of galactose and sialic acid to rat hepatic serum glycoproteins. Banerjee D, et al. **J Biol Chem** 251(13):3887–92, 10 Jul 76

Sialic acids. Enzymatic synthesis of Tay-Sachs ganglioside. Steigerwald JC, et al. **J Biol Chem** 250(17):6727–34, 10 Sep 75

Neuraminidase-releasable surface sialic acid of cultured astroblasts exposed to ethanol. Noble EP, et al. **J Neurochem** 27(1):217–21, Jul 76

N-Acetylneuraminic acid molecules as possible serotonin binding sites. Ochoa EL, et al. **J Neurochem** 26(6):1193–8, Jun 76

A functional model of sialo-glyco-macromolecules in synaptic transmission and memory formation. Rahmann H, et al. **J Theor Biol** 57(1):231–7, Mar 76

Sialylatin of glycoproteins of murine mammary tumor virus, murine leukemia virus, and Mason-Pfizer monkey virus. Schloemer RH, et al. **J Virol** 18(2):804–8, May 76

Study on sialic acid-containing glycolipid in rat ascites hepatoma cells. Matsumoto M, et al. **Jpn J Exp Med** 46(2):135–8, Apr 76

Autologous immune complex nephropathy. I. Sequential study of immune complex deposition, ultrastructural changes, proteinuria, and alterations in glomerular sialoprotein. Couser WG, et al. **Lab Invest** 34(1):23–30, Jan 76

Effect of concanavalin A on expression of cell surface sialyltransferase activity of mouse thymocytes. Painter RG, et al. **Proc Natl Acad Sci USA** 73(3):837–4, Mar 76

Sialic acid: effect of removal on calcium exchangeability of cultured heart cells. Langer GA, et al. **Science** 193(4257):1013–5, 10Sep 76

Proceedings: Functional and metabolic studies of human asialofibrinogen. Martinez J, et al. **Thromb Diath Haemorrh** 34(1):324, 30 Sep 75

[Changes in the concentration of sialic acids in the intestinal tissues of animals immunized with live vaccine against poliomyelitis] Gorshunova LP, et al. **Biull Eksp Biol Med** 81(3):298–9, Mar 76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Chemical induction of lysosomal storage. Philippart M, et al. **Adv Exp Med Biol** 68:473–93, 1976

Thyroid-stimulating hormone binding to beef thyroid membranes. Role of N-acetylneuraminic acid. Moore WV, et al. **J Biol Chem** 251(14):4247–53, 25 Jul 76

PHYSIOLOGY

Effect of cellular desialylation on choline high affinity uptake and ecto-acetylcholinesterase activity of cholinergic neuroblasts. Stefanović V, et al. **Biochem Pharmacol** 24(20):1923–8, 15 Oct 75

Activation of acetyl- and butyrylcholinesterase by enzymatic removal of sialic acid from intact neuroblastoma and astroblastoma cells in culture. Stefanovic V, et al. **Biochemistry** 14(24):5257–60, 2 Dec 75

Sialic acid and the social behaviour of cells. Lloyd CW. **Biol Rev** 50(3):325–50, Aug 75 (253 ref.)

The role of sialic acid in determining the life-span of circulating cells and glycoproteins. Bocci V. **Experientia** 32(2):135–40, 15 Feb 76 (101 ref.)

Role of sialic acid in the maintenance of cell surface rigidity. Ray PK, et al. **Experientia** 31(9):1075–7, 15 SEP 75

Properties of ecto-(inoganic) pyrophosphatase of nervous system cells in culture. Activation upon partial release of sialic acid from the cell surface. Stefanovic V, et al. **J Biol Chem** 251(2):493–7, 25 Jan 76

The requirement for membrane sialic acid in the stimulation of superoxide production during phagocytosis by human polymorphonuclear leukocytes. Tsan M, et al. **J Exp Med** 143(6):1308–16, 1 Jun 76

[New view on the role of sialic acid in temporary regulation of glycoprotein persistence in serum] Allalouf D. **Harefuah** 88(12):573–5, 15 Jun 75 **(Heb)**

SECRETION

[Principal secretions of the male genital tract in men. Sialoprotein activity] Fournier-Delpech S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(1):11–4, Jan-Feb 73 (Eng. Abstr.) **(Fre)**

URINE

Isolation and identification of 2-deoxy-2,3-dehydro-N-acetylneuraminic acid from the urine of a patient with sialuria. Kamerling JP, et al. **Eur J Biochem** 56(1):253–8, 1 Aug 75

[Isolation and chemical characterization of a new sialyloligosaccharide in the urine of pregnant women] Lemonnier M, et al. **C R Acad Sci [D] (Paris)** 280(23):2705–7, 16 Jun 75 (Eng. Abstr.) **(Fre)**

SIALIDASE see **NEURAMINIDASE**

SIALOGRAPHY

Salivary gland radiology. Blair GS. **Br Dent J** 140(1):15–21, 6 Jan 76

The diagnostic value of sialography and scintigraphy in salivary gland diseases. Schmitt G, et al. **Br J Radiol** 49(580):326–9, Apr 76

[Sialography and scintigraphy in the study of the salivary glands] Putti G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:459–61, 1975 **(Fre)**

[Value of sialography in tumoral pathology of the salivary glands. Study of 135 radio-anatomo-clinical correlations] Verhaeghe M, et al. **Lille Med** 20(8):688–97, Oct 75 **(Fre)**

[Radiologic diagnosis of diseases of the salivary glands (author's transl)] Eckel H, et al. **Roentgenblaetter** 28(9):436–9, Sep 75 **(Ger)**

[Functional sialography of the normal parotid gland] Galletta VP, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):87–91, Mar-Apr 76 (Eng. Abstr.) **(Por)**

[Diagnostic possibilities of radioisotope sialography] Stoll W, et al. **Med Radiol (Mosk)** 20(4):7–12, Apr 75 (Eng. Abstr.) **(Rus)**

[Sialographic exam in 100 normal subjects and in 42 patients with Sjogren's syndrome (author's transl)] Ramirez J, et al. **Rev Med Chil** 103(8):527–31, Aug 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Submandibular sialography: an unusual complication. Corbett RH. **Br J Radiol** 48(576):1032–3, Dec 75

INSTRUMENTATION

Intraoral stabilization of the catheter during sialography. Friedlander AH, et al. **J Oral Surg** 34(1):77–8, Jan 76

The McCallum co-axial dilators for sialangiography and dacrocystography. Barlow KA. **Radiography** 42(498):139–41, Jun 76

METHODS

Application of xeroradiography in sialography. Ferguson MM, et al. **Int J Oral Surg** 5(4):176–9, Aug 76

Sialography with continuous measurement of pressure outside and inside the gland. Zijlstra G, et al. **Int J Oral Surg** 4(4):160–7, Sep 75

Sialography in metastases to lymph nodes of the parotid gland. DeCaires GF, et al. **J Can Assoc Radiol** 27(1):57–60, Mar 76

Cut-down sialography of the submandibular gland. Friedlander AH. **J Oral Surg** 34(6):555–6, Jun 76

Sialography: a simplified technique. Carroll BA, et al. **Radiology** 117(1):220–1, Oct 75

[Sialography and sialotomography] Grimalt AM, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:458–9, 1975 **(Fre)**

[Technics of sialography] Schmoller HJ, et al. **Roentgenpraxis** 28(8):198–202, Aug 75 **(Ger)**

SIALOLITHIASIS see **SALIVARY DUCT CALCULI**

SIALYLTRANSFERASE see under **TRANSFERASES**

SIBIROMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SIBLING RELATIONS

The ubiquity of big brother. Longstreth LE, et al. **Child Dev** 46(3):767–72, Sep 75

Meeting with brothers and sisters of children with Down's syndrome. Murphy A, et al. **Child Today** 5(2):20–3, Mar-Apr 76

A model for sibling effects in man. Eaves L. **Heredity (Lond)** 36(2):205–14, Apr 76

Peromyscus: effect of early pairing on reproduction. Hill JL. **Science** 186(4168):1042–4, 13 Dec 74

Letter: Siblings of handicapped children. Kingsnorth J. **Spec Educ Forward Trends** 2(2):25, Jun 75

Siblings of handicapped children. Parfit J. **Spec Educ Forward Trends** 2(1):19–21, Mar 75

SICK ROLE

see related
ATTITUDE TO HEALTH

Dimensions of abnormal illness behaviour. Pilowsky I. **Aust NZ J Psychiatry** 9(3):141–7, Sep 75

Monosymptomatic hypochondriasis, abnormal illness behaviour and suicide. Bebbington PE. **Br J Psychiatry** 128:475–8, May 76

The nature of bodily symptoms. Mayou R. **Br J Psychiatry** 129:55–60, Jul 76

University of Nairobi medical student perceptions of deviant conditions and sick role incumbency. Kurtz RA. **East Afr Med J** 52(5):257–68, May 75

Emotional and behavioral reaction to acute myocardial infarction. Gentry WD, et al. **Heart Lung** 4(5):738–45, Sep-Oct 75

Systems approach in assessing behavioral problems of critical-care patients. Roberts SL. **Heart Lung** 4(4):593–8, Jul-Aug 75

Schizophrenic behavior as a function of role expectation. Krieger MJ, et al. **J Clin Psychol** 32(2):463–7, Apr 76

The social potential of the patient: an alternative to the sick role. Crane D. **J Commun** 25(3):131–9, Summer 75

Development and validation of the health locus of control (HLC) scale. Wallston BS, et al. **J Consult Clin Psychol** 44(4):580–5, Aug 76

Social class and the sick role: examining the issue of mutual influence. Britt DW. **J Health Soc Behav** 16(2):178–82, Jun 75

Relinquishing the sick role following open-heart surgery. Brown JS, et al. **J Health Soc Behav** 16(1):12–27, Mar 75

Attribution of illness: another double standard. Campbell JD. **J Health Soc Behav** 16(1):114–26, Mar 75

The sick role concept: understanding illness behavior. Segall A. **J Health Soc Behav** 17(2):162–9, Jun 76

The psychiatric sick role and rejection. Kirk SA. **J Nerv Ment Dis** 161(5):318–25, Nov 75

Pain and illness behaviour: a comparative study. Pilowsky I, et al. **J Psychosom Res** 20(2):131–4, 1976

The sick role and the role of the physician reconsidered. Parsons T. **Milbank Mem Fund Q** 53(3):257–78, Summer 75

Socializing hospitalized patients into the psychiatric sick role. Hall BA. **Perspect Psychiatr Care** 13(3):123–9, Jul-Sep 75

Anxiety neurosis: a disease for the medical model. Clancy J, et al. **Psychosomatics** 17(2):90–3, 1976

Sociocultural variation in sick role behavioural expectations. Segall A. **Soc Sci Med** 10(1):47–51, Jan 76

SICKLE CELL TRAIT see under **ANEMIA, SICKLE CELL**

SID see **SUDDEN INFANT DEATH**

SIDEROPHILIN see **TRANSFERRIN**

SIDEROSIS

see related
HEMOSIDEROSIS

COMPLICATIONS

[Macular degeneration in a case of siderosis] Sobieska-Clarowa H. **Klin Oczna** 45(10–11):1145–7, Oct-Nov 75 (Eng. Abstr.) **(Pol)**

[Some problems in the clinical aspects, diagnosis and treatment of chronic pneumonias in patients with pneumoconiosis siderotica] Koval' chuk AA. **Gig Tr Prof Zabol** (10):26–9, Oct 74 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Scanning of the lungs in complicated siderosilicosis] Brodskiĭ OB, et al. **Vrach Delo** (11):118–21, Nov 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Editorial: Blood transfusion and iron overload. **Br Med J** 4(5991):244–5, 1 Nov 75

Two remarkable events in the field of intraocular foreign body: (1) The reversal of siderosis bulbi. (2) The spontaneous extrusion of an intraocular copper foreign body. Welch RB. **Trans Am Ophthalmol Soc** 73:187–203, 1976

[Adapto-electroretinography (AERG); siderosis due to intraocular foreign body, and Desferal] Peyresblanques MJ. **Bull Soc Ophtalmol Fr** 75(1):139, 141–2, Jan 75 (Eng. Abstr.) **(Fre)**

[Role of lipid peroxide in the induction of the retinal siderosis (author's transl)] Hiramitsu T, et al. **Acta Soc Ophthalmol Jpn** 79(10):1468–73, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Tired blood and rusty livers. Saltman P, et al. **Ann Clin Lab Sci** 6(2):167–76, Mar-Apr 76

Iron overload of bone marrow and bone. pp. 264–72. Burkhardt R.
In: Kief H, et.al., ed. Iron metabolism and its disorders. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.366 1975.

[Lesion of the retinal fatty acids following intravitreal injection of iron. An experimental study on the retinal lesions in cases of siderosis bulbi (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):293–8, 4 Dec 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Pulmonary siderosis caused by dust from an industrial insulator (author's transl)] Oyanguren H, et al. **Rev Med Chil** 103(6):373–81, Jun 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Experimental siderosis bulbi: an echographic-histological study (author's transl)] Freyler H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):75–87, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Responses of Müller cells of rabbit retina in experimental siderosis (author's transl)] Yoo JH, et al. **Acta Soc Ophthalmol Jpn** 79(7):762–71, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Visually evoked cortical potentials (VECP) in retinal siderosis with macular involvement] Makabe R, et al. **Ber Dtsch Ophthalmol Ges** (73):306–10, 1975 **(Ger)**

[Indicators of the functional state of the nervous system and mediators in patients with siderosilicosis] Rudenko AS. **Vrach Delo** (3):127–31, Mar 74 (Eng. Abstr.) **(Rus)**

THERAPY

[Sanatorium-health resort treatment of dust-induced bronchitis in workers of iron-ore mines] Emel'kin VI, et al. **Gig Tr Prof Zabol** (10):25–8, Oct 75 (Eng. Abstr.) **(Rus)**

SIGMOID

Experiences with a new operation for sigmoid volvulus. Bhatnagar BN. **Am J Proctol** 27(3):27–31, Jun 76

Sigmoidovesicocutaneous fistula complicating diverticular disease of the colon. Parsa F, et al. **Am J Surg** 132(1):105–7, Jul 76

Chicken bone perforation of the sigmoid colon: a report of three cases. Kimbrell FT Jr, et al. **Am Surg** 41(12):814–7, DEC 75

Treatment of volvulus of the colon by colonoscopy. Ghazi A, et al. **Ann Surg** 183(3):263–5, Mar 76

Pyogenic liver abscess secondary to asymptomatic sigmoid diverticulitis. Wallack MK, et al. **Ann Surg** 18(2):241–3, Aug 76

Appendico-vesico-colic fistula. Marshall VR, et al. **Br J Urol** 47(5):544, Oct 75

Recurrent sigmoid volvulus in young people: a missed diagnosis. Sturzaker HG, et al. **Br Med J** 4(5992):338–9, 8 Nov 75

Stercoral perforation of the sigmoid colon: report of two cases. Hakami M, et al. **Dis Colon Rectum** 18(6):512–3, Sep 75

Giant air cyst of the sigmoid complicating diverticulitis: report of a case. Harris RD, et al. **Dis Colon Rectum** 18(5):418–24, Jul-Aug 75

Volvulus of the sigmoid colon-advantages in primary resection management in a rural area. Dimitrov G. **Ethiop Med J** 13(1):27–8, Jan 75

Pattern of intestinal obstruction in Khartoum. Hassan El Masri S, et al. **Int Surg** 61(4):240–2, Apr 76

Excretory urographic demonstration of ureteral displacement by sigmoid fecal impaction simulating retroperitoneal tumor. Haller JO, et al. **J Urol** 115(3):302–3, Mar 76

Flatus retention is the major factor in diverticular disease. Wynne-Jones G. **Lancet** 2(7927):211–2, 2 Aug 75

Crohn's disease of the distal large bowel. Ritchie JK, et al.

Scand J Gastroenterol 11(5):433–6, 1976

[Neoplastic sigmoido–jejuno–colonic fistula] Berutti A, et al. Chirurgie 101(4):243–4, 12–19 Mar 75 (Eng. Abstr.) (Fre)

[Idiopathic rupture of the sigmoid above a left terminal iliac colostomy] Godquin M, et al. Chirurgie 101(6):399–401, 30 Apr–7 May 75 (Eng. Abstr.) (Fre)

[Acute generalized peritonitis due to perforation of the sigmoid colon] Lataix P, et al. Chirurgie 101(3):202–5, 26 Feb–5 Mar 75 (Eng. Abstr.) (Fre)

[Stenosis of the sigmoid due to endometriosis (author's transl)] Lehmann K, et al. Munch Med Wochenschr 118(6):167–70, 6 Feb 76 (Eng. Abstr.) (Ger)

[Diagnosis and therapy of sigmavolvulus in the adult] Willmen HR, et al. Zentralbl Chir 100(19):1198–9, 1975 (Ger)

[Perforation of the sigmoid caused by chronic constipation] Zwolan W, et al. Wiad Lek 29(6):517–8, 15 Mar 76 (Eng. Abstr.) (Pol)

[Unusual complication of an inferiorly located duodenal ulcer] Shor NA, et al. Vestn Khir 114(4):114–6, Apr 75 (Rus)

[Volvulus of the sigmoid associated with other diseases] Stegallov RA. Vestn Khir 114(2):131–2, Feb 75 (Rus)

[Rectoromanoscopy in the diagnosis of some diseases of the rectosigmoid] Vanovski B, et al. God Zb Med Fak Skopje 20:523–8, 1974 (Scr)

ABNORMALITIES

[Remote results of treatment of dolichosigmoid] Strel'nikov BE, et al. Klin Khir (10):18–20, Oct 75 (Eng. Abstr.) (Rus)

[Treatment of dolichosigmoid patients] Tsarev NI. Voen Med Zh (1):34–8, Jan 76 (Rus)

CYTOLOGY

[Cytological studies of rectosigmoideal mucosa] Miczbán I, et al. Tijdschr Gastroenterol 18(3):161–70, 1975 (Eng. Abstr.) (Ger)

INJURIES

Serosal tears following colonoscopy. Livstone EM, et al. Arch Surg 111(1):88, Jan 76

Perforation of the colon complicating colonoscopy: report of a case. Penfold JC. Dis Colon Rectum 18(7):626–7, Oct 75

[Intraperitoneal perforation of the rectosigmoid during rectoscopy] Samama G, et al. Med Chir Dig 4(5–6):315–6, 1975 (Fre)

PHYSIOPATHOLOGY

Characterization of a hyperactive segment at the rectosigmoid junction. Chowdhury AR, et al. Gastroenterology 71(4):584–8, Oct 76

SURGERY

Sigmoid volvulus. Moseson DL, et al. Am Surg 42(7):492–7, Jul 76

Follow-up of 13 children after ureterosigmoidostomy. Bakker NJ, et al. Arch Dis Child 51(7):544–9, Jul 76

Volvulus of the sigmoid colon in Brazil: a report of 230 cases. Gama AH, et al. Dis Colon Rectum 19(4):314–20, May–Jun 76

Expansion of bladder capacity by the use of intact sigmoid. An experimental study and two case reports. Proca E, et al. Int Urol Nephrol 7(3):191–7, 1975

Recurrent obstruction of bypassed intestine in obesity surgery: a challenging late complication. Rogers N, et al. J Natl Med Assoc 68(1):28–30, Jan 76

Neoplasia at the site of ureterosigmoidostomy. Carswell JJ 3d, et al. J Urol 115(6):750–2, Jun 76

Histologic appearance of the intestinal urinary conduit. Garner JW, et al. J Urol 114(6):854–7, Dec 75

Volvulus of the sigmoid colon. Mieny C. S Afr J Surg 14(1):46, Mar 76

Exstrophy of the bladder. Fifty years' survival following cystosigmoidostomy. Case report. Lindfors O, et al. Scand J Urol Nephrol 9(3):282–4, 1975

Neoplasia of the colon: a late complication of ureterosigmoidostomy. Lindsey CM, et al. South Med J 69(4):501–4, Apr 76

Modification of the endorectal procedure for Hirschsprung's disease. Coran AG, et al. Surg Gynecol Obstet 143(2):277–82, Aug 76

Anterior anastomosis of the rectosigmoid colon: an experimental study. McLachlin AD, et al. Surgery 80(3):306–11, Sep 76

[Sigmoido–procto–ureterostomy. Urinary diversion technic] Tramoyeres Celma A, et al. J Urol Nephrol (Paris) 80(12 pt 2):540–5, Dec 74 (Fre)

[Ureterosigmoidostomy using the Godwin procedure] Stefanovici B, et al. Rev Chir [Chir] 24(5):387–9, Sep–Oct 75 (Rum)

[Restoration of large-intestine continuity after formation of preternatural anus] Napalkov PN, et al. Vestn Khir 115(8):43–6, Aug 75 (Rus)

TRANSPLANTATION

[Construction of the vagina with transposition of the signoid colon (author's transl)] Zängl A. Langenbecks Arch Chir 339:413–6, Nov 75 (Eng. Abstr.) (Ger)

[Morphologic characteristics of the late results of sigmoid colpopoiesis] Sapozhnikova MA. Arkh Patol 37(11):59–64, 1975 (Eng. Abstr.) (Rus)

[Replacement of the bladder with isolated intestinal loop] Sitdykov EN, et al. Vestn Khir 114(1):103–7, Jan 75 (Eng. Abstr.) (Rus)

SIGMOID NEOPLASMS

[Case of carcinoma of the sigmoid colon with a slow course] Wallace DM, et al. Nowotwory 25(4):325–8, 1975 (Eng. Abstr.) (Pol)

COMPLICATIONS

Synchronous adenocarcinoma of the vermiform appendix and the rectosigmoid: case report and review of the literature. Birla RK, et al. Dis Colon Rectum 18(8):678–84, Nov–Dec 75

Ulcerative disease of the colon proximal to partially obstructive lesions: report of two cases and review of the literature. Feldman PS. Dis Colon Rectum 18(7):601–12, Oct 75

Sigmoid intussusception of a submucous lipoma. Peet TN, et al. Int Surg 61(5):304–5, May 76

Acute gangrenous colitis proximal to obstructive cancer of the sigmoid colon. Harada T, et al. Jpn J Surg 5(1):39–47, Mar 75

[Surgical methods in non-traumatic perforations of the colon into the free peritoneum (36 cases)] Guivarc'h M, et al. J Chir (Paris) 109(3):281–92, Mar 75 (Eng. Abstr.) (Fre)

[Ileus from biliary calculi caused by a sigmoid carcinoma] Schwarz D. Zentralbl Chir 100(6):382–3, 1975 (Ger)

DIAGNOSIS

Rectal and sigmoid involvement secondary to carcinoma of the prostate. Gengler L, et al. Am J Roentgenol Radium Ther Nucl Med 125(4):910–7, Dec 75

[Rectosigmoid angiomatosis. Study of a personal case associated with a minimal Klippel–Trenaunay's syndrome] Freysz H, et al. Pediatrie 30(5):525–31, Jul–Aug 75 (Fre)

[Delay in the diagnosis of sigmoid–rectal carcinomas] Kieninger G, et al. Zentralbl Chir 100(6):352–8, 1975 (Ger)

ETIOLOGY

Neoplasia at the site of ureterosigmoidostomy. Carswell JJ 3d, et al. J Urol 115(6):750–2, Jun 76

An unusual complication of pelvic exenteration. Singh K, et al. J Urol 116(1):114–5, Jul 76

Neoplasia of the colon: a late complication of ureterosigmoidostomy. Lindsey CM, et al. South Med J 69(4):501–4, Apr 76

[Origin of rectosigmoid cancer from precancerous processes] Ianchev V, et al. Vutr Boles 14(4):63–8, 1975 (Eng. Abstr.) (Bul)

PATHOLOGY

Nodular mesenteritis: report of a case simulating carcinoma of the sigmoid colon and analysis of its histologic profile. Soumerai S, et al. Dis Colon Rectum 19(5):448–52, Jul–Aug 76

[Adenocarcinoma of a double anus praeternaturalis in a young patient] Mokros W. Zentralbl Chir 100(6):378–9, 1975 (Ger)

RADIOGRAPHY

Segmental narrowing of the sigmoid colon. Lydon SB, et al. Am J Dig Dis 21(1):44–6, Jan 76

The radiology corner colonic endometriosis: roentgen studies with a five-year follow-up. Zimmer G, et al. Am J Gastroenterol 64(5):410–3, Nov 75

[Reliability and value of diagnostic lymphography in carcinoma of the sigmoid, rectum and anus (author's transl)] Musumeci R, et al. Tumori 61(5):465–72, Sep–Oct 75 (Eng. Abstr.) (Ita)

[Early cancer of the sigmoid colon with multiple atypical polypoid lesions] Nishimura S, et al. Jpn J Clin Radiol 21(2):195–8, Feb 76 (Jpn)

[Angiographycally detected leiomyosarcoma of the rectosigmoidal junction] Okada K, et al. Jpn J Clin Radiol 20(13):1183–8, Dec 75 (Jpn)

RADIOTHERAPY

Preoperative radiotherapy for adenocarcinoma of the rectosigmoid. Stevens KR Jr, et al. Cancer 37(6):2866–74, Jun 76

Postoperative radiotherapy in carcinomas of the rectum and distal sigmoid colon. Mendiondo OA, et al. Radiology 119(3):673–6, Jun 76

[Preoperative radiotherapy of rectal and rectosigmoid carcinoma] Sack H. Dtsch Med Wochenschr 100(52):2651–3, 26 Dec 75 (Ger)

SURGERY

The curative treatment of carcinoma of the sigmoid, rectosigmoid, and rectum. Wilson SM, et al. Ann Surg 183(5):556–65, May 76

Factors influencing local recurrence after abdominoperineal resection for cancer of the rectum and rectosigmoid. Moossa AR, et al. Br J Surg 62(9):727–30, Sep 75

Abdominoperineal resection following anterior resection. Sannella NA. Cancer 38(1):378–81, Jul 76

Contribution to the evaluation of operability limits of tumours. Wallace DM, et al. Int Urol Nephrol 7(4):271–6, 1975

[Single-step suture in resection surgery for rectosigmoidal cancer] Deredzhian A. Khirurgiia (Sofiia) 29(1):3–9, 1976 (Eng. Abstr.) (Bul)

[Pain in carcinoma] Sluijter ME. Ned Tijdschr Geneeskd 119(29):1137–41, 19 Jul 75 (Dut)

[Mechanical suture following resection in cancers of the recto–sigmoid junction and upper rectum] Gautier–Benoit C, et al. Chirurgie 100(10):746–9, 30 Oct–6 Nov 74 (Eng. Abstr.) (Fre)

[One-stage resections in cases of carcinoma of the sigma and rectosigmoid (author's transl)] Alken P, et al. Med Klin 71(16):673–6, 16 Apr 76 (Eng. Abstr.) (Ger)

[Personal experience in the surgical treatment of recto–sigmoid cancer. Methods and results] Biancalana L. Minerva Med 66(79):4125–8, 21 Nov 75 (Ita)

[Immediate and long-term results of anterior resection in tumors of the rectum and sigmoid (author's transl)] Gennari L, et al. Tumori 61(3):237–47, May–Jun 75 (Eng. Abstr.) (Ita)

[A contribution to treatment of Krukenberg's tumor] Wojdecki J, et al. Wiad Lek 29(3):205–9, 1 Feb 76 (Eng. Abstr.) (Pol)

[X-ray diagnosis of local complications after anterior resection of the rectum and sigmoid] Sidorov VS, et al. Vestn Rentgenol Radiol (5):30–6, Sep–Oct 75 (Eng. Abstr.) (Rus)

[Conservative operations in malignant tumors of the rectum and the sigmoid colon] Fedorov VD, et al. Vopr Onkol 21(9):41–5, 1975 (Eng. Abstr.) (Rus)

THERAPY

Extragenital noncontiguous endometriosis. Fox LP. Trans Pac Coast Obstet Gynecol Soc 42:138–40, 1975

SIGMOIDOSCOPY

The role of coloscopy in the differential diagnosis between idiopathic ulcerative colitis and Crohn's disease of the colon. Banche M, et al. Am J Gastroenterol 65(6):539–45, Jun 76

Proctosigmoidoscopy—age criteria for examination in the asymptomatic patient. Corman ML, et al. CA 25(5):286–90, Sep–Oct 75

Evaluation of the barium–enema examination and colonoscopy in diagnosis of colonic cancer. Kronborg O, et al. Dis Colon Rectum 18(8):674–7, Nov–Dec 75

Angiodysplasia of the cecum: colonoscopic diagnosis. Skibba RM, et al. Gastrointest Endosc 22(3):177–9, Feb 76

Endoscopic appendectomy. Wirtschafter SK, et al. Gastrointest Endosc 22(3):173–4, Feb 76

Colonoscopy. Browning DG. J Arkansas Med Soc 73(3):150, Aug 76

Letter: Sigmoidoscopic and complemental cervical–vaginal examination. Abramson DJ. JAMA 235(14):1423, 5 Apr 76

Letter: Complementary examinations. Burns GT. JAMA 236(8):915, 23 Aug 76

Fiberoptic colonscopy. Smith JH, et al. Tex Med 72(1):90–7, Jan 76

Analysis of 6,293 routine proctosigmoidoscopies. Watanabe H, et al. Tohoku J Exp Med 119(3):275–81, Jul 76

[Fibercolonoscopy with special regard to partial rectosigmoidoscopy] Brandstatter G, et al. Wien Med Wochenschr 125(46):661–3, 14 Nov 75 (Ger)

[Coloscopy and endoscopic retrograde demonstration of the biliary and pancreatic duct system. What does gastroenterologic endoscopy offer to the surgeon? (2)] Fiedler L. ZFA (Stuttgart) 52(19):986–90, 10 Jul 76 (Ger)

ADVERSE EFFECTS

Letter: Bacteremia after sigmoidoscopy: another view. Engeling ER, et al. Ann Intern Med 85(1):77–8, Jul 76

Perforation of the colon complicating colonoscopy: report of a case. Penfold JC. Dis Colon Rectum 18(7):626–7, Oct 75

Radiographic survey for extraluminal air following gastrointestinal tract fiberendoscopy. Glouberman S, et al. Gastrointest Endosc 22(3):165–7, Feb 76

INSTRUMENTATION

Table appliance for use in proctosigmoidoscopy. Neel HB. Minn Med 59(2):88, Feb 76

[1st experience with the use of a flexible fiber endoscope] Belov IN, et al. Med Tekh (4):53–4, Jul–Aug 75 (Eng. Abstr.) (Rus)

[A flexible Russian sigmoidoscope with fiber optics] Sazontova VN. Med Tekh (4):9–12, Jul–Aug 75 (Eng. Abstr.) (Rus)

METHODS

Anatomic localization and step by step advancement of the fiberoptic colonoscope. Sugarbaker PH, et al. Surg Gynecol Obstet 143(3):457–62, Sep 76

SIGN LANGUAGE see under MANUAL

COMMUNICATION

SILAGE see under ANIMAL FEED

SILANES see under SILICON

SILASTICS see SILICONE ELASTOMERS

SILICA

X-ray diffraction characteristics of some silicates. Beg MU, et al. **Am Ind Hyg Assoc J** 36(11):855–6, Nov 75

Efficiency and loading characteristics of EPA's high-temperature quartz fiber filter media. Lundgren DA, et al. **Am Ind Hyg Assoc J** 36(12):866–72, Dec 75

Rapid acetylation of alcohols at the microgram level using a celite-acetyl methanesulfonate column. Schwartz DP. **Anal Biochem** 71(1):24–8, Mar 76

Growth inhibition of sarcoma 180 induced by silica and talc. Kerr IB, et al. **Arch Geschwulstforsch** 45(3):255–8, 1975

High performance preparative column chromatography of lipids using a new porous silica, Iatrobeads. I. Separation of molecular species of sphingoglycolipids. Ando S, et al. **Biochim Biophys Acta** 424(1):98–105, 22 Jan 76

Characterization of sand as a support for immobilized enzymes. Brotherton JE, et al. **Biotechnol Bioeng** 18(4):527–43, Apr 76

Adsorption of syndiotactic and isotactic poly(2-vinylpyridine 1-oxide) on quartz surface. Dobreva M, et al. **Br J Ind Med** 32(3):224–7, Aug 75

Silica urolithiasis in a dog. Legendre AM. **J Am Vet Med Assoc** 168(5):418–9, 1 Mar 76

High speed liquid-solid chromatography of phenothiazines using columns packed with spherosil porous silica beads. Caude M, et al. **J Chromatogr Sci** 13(8):390–6, 10 Aug 75

Radiographic survey of perlite workers. Cooper WC. **J Occup Med** 17(5):304–7, May 75

The Walrus and the Carpenter or the Silica Criteria Standard. Morgan WK. **J Occup Med** 17(12):782–3, Dec 75

I. Recommendations for a crystalline silica standard. Utidjian HM. **J Occup Med** 17(12):775–81, Dec 75

Asymmetric adsorption of DL-alanine hydrochloride by quartz. Bonner WA, et al. **J Org Chem** 41(12):2225–8, 11 Jun 76

Advantages of silica gel as a medium for rapid thin-layer chromatography of neutral sugars. Menzies IS, et al. **Med Lab Technol** 32(4):269–76, Oct 75

Internal tissue heat during in vivo transillumination with fused quartz and borosilicate glass rods. Echt R, et al. **Microvasc Res** 11(2):217–26, Mar 76

Asymmetric adsorption by quartz: a model for the prebiotic origin of optical activity. Bonner WA, et al. **Orig Life** 6(3):367–76, Jul 75

Synthesis of biological molecules on molecular sieves. Poncelet G, et al. **Orig Life** 6(3):401–6, Jul 75

The effect of some additives on the adsorption of tetracycline hydrochloride on magnesium trisilicate and milk. Daabis NA, et al. **Pharmazie** 31(2):125–9, 1976

Letter: Influences of different batches of silicic acid on the chromatography of PGE. Valenzuela G, et al. **Prostaglandins** 11(4):769–71, Apr 76

Dissolution of silicic acid from amosite and quartz dusts under physiological conditions. Rahman Q, et al. **Scand J Work Environ Health** 1(2):117–9, Jun 75

[Effect of a colloidal silica on the physical and especially, rheologic properties of two excipients for suppositories] Doucet J, et al. **Ann Pharm Fr** 33(5):253–63, May 75 (Eng. Abstr.) **(Fre)**

[Effect of solvents and silica gel on vitamin A transformation] Dobrucki R. **Acta Pol Pharm** 33(1):131–2, 1976 **(Pol)**

[Morphofunctional state of pulmonary macrophages and their biological protection during phagocytosis of toxic elements] Arutiunov VD, et al. **Arkh Patol** 38(1):16–21, 1976 (Eng. Abstr.) **(Rus)**

[Effect of coniophage decomposition products on the biological activity of fibroblasts] Shnaidman IM, et al. **Biull Eksp Biol Med** 81(5):621–3, May 76 (Eng. Abstr.) **(Rus)**

[Use of sand cultures in setting standards for chemical substances in soil] Goncharuk EI, et al. **Gig Sanit** (4):51–4, Apr 76 **(Rus)**

ADMINISTRATION & DOSAGE

Pre-operative neutralization of gastric acidity. Hutchinson BR, et al. **Anaesth Intensive Care** 3(3):198–203, Aug 75

ADVERSE EFFECTS

[The relationship between the physical characteristic of quartz dusts and their influence on biochemical and morphological changes in rat lungs (author's transl)] Kyselá B, et al. **Bratisl Lek Listy** 64(1):64–75, Jul 75 (Eng. Abstr.) **(Cze)**

[Surface tension in rat lungs after quartz dust inhalation (author's transl)] Kuncová M, et al. **Z Erkr Atmungsorgane** 144(3):272–6, Mar 76 (Eng. Abstr.) **(Ger)**

[X-ray functional studies for determining the functional state of the bronchopulmonary system in silicalcite manufacturing workers] Bobykin SS, et al. **Gig Tr Prof Zabol** (4):21–4, Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Free silica. SiO2. **Am Ind Hyg Assoc J** 36(8):642–5, Aug 75

Free silica analysis of environmental samples–a critical literature review. Anderson PL. **Am Ind Hyg Assoc J** 36(10):767–78, Oct 75

In defense of the dust count technique. Horowitz LD. **Am Ind Hyg Assoc J** 37(4):227–33, Apr 76

Letter: Free silica analysis of environmental samples. Knight G. **Am Ind Hyg Assoc J** 37(5):A-15–6, May 76

Chemical micromethod for quantitative determination of free crystalline silica in finely-dispersed industrial dusts. Dobreva M. **Ann Occup Hyg** 18(2):121–7, Sep 75

The determination of silicates in urinary calculi. Burr RG. **Clin Chim Acta** 69(2):259–65, 1 Jun 76

[Electron microscopic study of natural SiO2 particles and SiO2 particles isolated from rat lung] György U, et al. **Morphol Igazsagugyi Orv Sz** 16(3):225–32, Jul 76 (Eng. Abstr.) **(Hun)**

[Quantitative diffractometric analysis of quartz in dusts collected from filtering membranes] Cecchetti G, et al. **Ann Ist Super Sanita** 9 Spec No 1:389–98, 1973 (Eng. Abstr.) **(Ita)**

[Use of the scanning electron microscope with an energy dispersion x-ray analyzer and a quantitative image analyzer for the determination of numerical percentage of free silica] Sperduto B, et al. **Ann Ist Super Sanita** 9 Spec No 1:399–408, 1973 (Eng. Abstr.) **(Ita)**

[Advantages of the method of an external standard in X-ray phasic determination of quartz in dust] Kaleganov BA. **Gig Sanit** (8):58–9, Aug 75 **(Rus)**

ISOLATION & PURIFICATION

Studies on the optimum conditions of extraction of silicon species from plants with water. III. On the stability of silicon species in extracts from Equisetum arvense herb. Piekos R, et al. **Planta Med** 29(4):351–6, Jun 76

METABOLISM

Protein adsorption to monosodium urate, calcium pyrophosphate dihydrate, and silica crystals: relationship to the pathogenesis of crystal-induced inflammation. Kozin F, et al. **Arthritis Rheum** 19 Suppl 3:433–8, May–Jun 76

On the mechanism of action of silicomolybdic acid in chloroplasts. Ben-Hayyim G, et al. **FEBS Lett** 56(2):240–3, 15 Aug 75

Molecular mechanisms on carbonate, phosphate, and silica deposition in the living cell. Degens ET. **Top Curr Chem** 64:1–112, 1976 (559 ref.)

[The course of iron, zinc, silicic acid and aluminum clearance from the lung and liver after repeated intratracheal application of carbon dust (animal experiments)] Rosmanith J, et al. **Beitr Silikoseforsch** 27(2):45–61, 1975 **(Ger)**

PHARMACODYNAMICS

In vitro action of quartz on alveolar macrophage lipid peroxides. Gabor S, et al. **Arch Environ Health** 30(10):499–501, Oct 75

Local effects of silica on tumor growth inhibition. A histological study. de Mesquita RP, et al. **Arch Geschwulstforsch** 45(7):637–47, 1975 (Eng. Abstr.)

Involvement of macrophages in genetic resistance to bone marrow grafts. Studies with two specific antimacrophage agents, carrageenan and silica. Lotzova E, et al. **Biomedicine** 22(5):387–92, Sep 75 (Eng. Abstr.)

The ineffectiveness of coumarin treatment on thermal oedema of macrophage-free rats. Piller NB. **Br J Exp Pathol** 57(2):170–8, Apr 76

The effects of silica on the free, apparent redox state (NAD+/NADH) of the alveolar macrophage; a possible mitochondrial membrane effect. Mintz S. **Chest** 69(2 Suppl):298, Feb 76

Lipid peroxidation as one of the mechanisms of silica fibrogenicity? I. Study with erythrocytes. Chvapil M, et al. **Environ Res** 11(1):78–88, Feb 76

The effect of silica-treated macrophages on the synthesis of collagen and other proteins in vitro. Aalto M, et al. **Exp Cell Res** 97:193–202, Jan 76

Role of silicon in diatom metabolism. VII. Silicic acid-stimulated DNA synthesis in toluene-permeabilized cells of Cylindrotheca fusiformis. Sullivan CW, et al. **Exp Cell Res** 98(1):23–30, 1 Mar 76

Mechanism of tumour regression by tumour cell extract. Batra BK, et al. **Indian J Med Res** 63(1):31–5, Jan 75

Relative thrombogenicity of polydimethylsiloxane and silicone rubber constituents. Weathersby PK, et al. **J Biomed Mater Res** 9(6):561–8, Nov 75

Silica-induced alterations of murine lymphocyte immunocompetence and suppression of B lymphocyte immunocompetence: a possible mechanism. Miller SD, et al. **J Reticuloendothel Soc** 19(1):47–61, Jan 76

[Reaction of the hypothalamic neurosecretory system of the action of some lead silicate compounds] Gul'iants ES, et al. **Gig Tr Prof Zabol** (10):55–7, Oct 74 **(Rus)**

[Plasma prekallikrein activation by highly dispersed organic silica] Meged' NK, et al. **Ukr Biokhim Zh** 48(3):370–4, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

[Characteristics of the clinical course of coniotuberculosis of the intrathoracic lymph nodes in persons subjected to the occupational action of a quartz-containing dust] Ozerova LV, et al. **Gig Tr Prof Zabol** (2):15–9, Feb 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Some effects of silical treatment on Marek's disease. Higgins DA, et al. **Infect Immun** 13(4):1054–60, Apr 76

[A successful treatment of gastro-oesophageal reflux in infancy with Gaviscon] Gross-Kieselstein E, et al. **Harefuah** 89(7):327–9, 1 Oct 75 **(Heb)**

TOXICITY

Studies of quartz cytotoxicity on peritoneal macrophages of guinea pigs pretreated with polyvinylpyridine N-oxide. Kaw JL, et al. **Environ Res** 9(3):313–20, Jun 75

Effect of quartz and asbestos on erythrocyte surface charge. Gabor S, et al. **Int Arch Occup Environ Health** 36(1):47–55, 4 Nov 75

A health survey of granite workers in Finland: radiographic findings, respiratory function, hearing, electric sensory thresholds of the fingers and subjective symptoms. Ahlman K, et al. **Scand J Work Environ Health** 1(2):109–16, Jun 75

SILICATE CEMENT

Response of the dental pulp to invasion of bacteria around three filling materials. Brännström M, et al. **J Dent Child** 43(2):83–9, Mar–Apr 76

Biological tests on an experimental glass ionomer (silicopolyacrylate) cement. Dahl BL, et al. **J Oral Rehabil** 3(1):19–24, Jan 76

[Composite resins materials for dental fillings] Kobyllecki W. **Czas Stomatol** 29(2):127–33, Feb 76 (Eng. Abstr.) **(Pol)**

STANDARDS

[Effect of varnish and other insulating materials on some properties of silicate cement] Kobylecki W. **Czas Stomatol** 28(9):901–7, Sep 75 (Eng. Abstr.) **(Pol)**

SILICIC ACID see under SILICA

SILICON

see related
ASBESTOS

Optimization of materials for a user-formed mouthguard. Loehman RE, et al. **Ann Biomed Eng** 3(2):199–208, Jun 75

Silane coupling agents in stainless steel and polymethyl methacrylate systems. Faulkner KD, et al. **Aust Dent J** 20(2):86–8, Apr 75

Adsorption, desorption, and activity of glucose oxidase on selected clay species. Morgan HW, et al. **Can J Microbiol** 22(5):684–93, May 76

Reconstruction of the canine Achilles and patellar tendons using dacron mesh silicone prosthesis. I. Clinical and biocompatibility evaluation. Amstutz HC, et al. **J Biomed Mater Res** 10(1):47–59, Jan 76

Glycerolpropylsilane bonded phases in the steric exclusion chromatography of biological macromolecules. Regnier FE, et al. **J Chromatogr Sci** 14(7):316–20, Jul 76

A useful modification of flat silicon rubber molds for embedding tissues for electron microscope. Shannon WA Jr. **J Electron Microsc (Tokyo)** 23(4):317–8, 1974

In vivo requirement for silicon in articular cartilage and connective tissue formation in the chick. Carlisle EM. **J Nutr** 106(4):478–84, Apr 76

Studies on biologically active nucleosides and nucleotides. 1. Reactions of tetraacetoxysilane with pyrimidine ribonucleosides. Kondo K, et al. **J Org Chem** 41(18):2995–9, 3 Sep 76

Letter: Silicone. Rathjen AH. **JAMA** 235(22):2391, 31 May 76

Silicon. Carlisle EM. **Nutr Rev** 33(9):257–61, Sep 75 (27 ref.)

[Connective tissue-silicone foils-tympanoplastics in cases of adhesive processes of the middle ear (author's transl)] Stange G. **Arch Otorhinolaryngol (NY)** 211(3):163–71, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[The synthesis and biological activity of some structural analogs of carbon and silicon compounds] Kröning G, et al. **Pharmazie** 30(12):765–8, 1975 **(Ger)**

ADVERSE EFFECTS

High-pressure silicone injection injury of the hand. Apfelberg DB, et al. **J Trauma** 15(10):922–5, Oct 75

ANALYSIS

Characterization by gas-liquid chromatography-mass spectrometry and proton-magnetic-resonance spectroscopy of pertrimethylsilyl methyl glycosides obtained in the methanolysis of glycoproteins and glycopeptides. Kamerling JP, et al. **Biochem J** 151(3):491–5, Dec 75

Silicon in rat liver organelles: electron probe microanalysis. Mehard CW, et al. **Cell Tissue Res** 166(2):255–63, 12 Feb 76

Separation and identification of trimethylsilyl derivatives of tyramines and methoxytyramines by gas-liquid chromatography. Henke U, et al. **J Chromatogr** 120(2):477–81, 26 May 76

Intranuclear silicon detection in a subcutaneous connective tissue cell by energy-dispersive x-ray miscroanalysis using fresh air-dried spread. Takaya K. **J Histochem Cytochem** 23(9):681–5, Sep 75

Studies on the optimum conditions of extraction of silicon

species from plants with water. II. Carduus acanthoides. Paslawska S, et al. **Planta Med** 29(1):72–9, Feb 76

Studies on the physiological hair silicon content in men. Byczkowski S, et al. **Toxicology** 5(1):123–4, Sep 75

CHEMICAL SYNTHESIS

The formation of trimethylsilyl ethers of ecdysones. A reappraisal. Morgan ED, et al. **J Chromatogr** 116(2):333–41, 21 Jan 76

[The preparation of (4-bromophenyl)-trimethysilane (author's transl)] Reimann E, et al. **Arch Pharm (Weinheim)** 308(11):888–92, Nov 75 **(Eng. Abstr.)** **(Ger)**

[1-(p-carboalkoxyphenoxy) silatranes] Lukasiak J, et al. **Acta Pol Pharm** 33(2):177–82, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Similarity in uptake and retention of trace amounts of 31 silicon and 68 germanium in rat tissues and cell organelles. Mehard CW, et al. **Bioinorg Chem** 5(2):107–24, 1975

[The persorption of crystals] Sanft HJ. **Dtsch Z Verdau Stoffwechselkr** 35(5):235–9, 1975 **(Ger)**

PHYSIOLOGY

Silicon. Carlisle EM. **Nutr Rev** 33(9):257–61, Sep 75 (27 ref.)

THERAPEUTIC USE

Experimental studies on the treatment of unilateral vocal cord paralysis. Neiger M, et al. **Acta Otolaryngol (Stockh)** 80(1-2):150–4, Jul–Aug 75

SILICONE ELASTOMERS

Orthodontic elastic materials. Wong AK. **Angle Orthod** 46(2):196–205, Apr 76

Silicone intubation of the lacrimal system: pitfalls, problems and complications. Lauring L. **Ann Ophthalmol** 8(4):489–98, Apr 76

Custom implants for reconstruction of craniofacial defects. Mohler LR, et al. **Arch Surg** 111(4):452–5, Apr 76

Implant resection arthroplasty in arthritis of the upper extremity. Lumsden RM. **Ariz Med** 32(11):873–5, Nov 75

Blood compatibility of silicone rubber chemically coated with cross-linked albumin. Guidoin RG, et al. **Biomater Med Devices Artif Organs** 4(2):205–24, 1976

Proceedings: A simple artificial sphincter. Rosen M. **Br J Urol** 48(2):154, Apr 76

Letter: Silicone foam sponge for pilonidal sinus. Sood SC. **Br Med J** 4(5994):465, 22 Nov 75

Silicone foam sponge for pilonidal sinus: a new technique for dressing open granulating wounds. Wood RA, et al. **Br Med J** 4(5989):131–3, 18 Oct 75

Fractures of the radial head treated by substitution with the silastic prosthesis. Martinelli B. **Bull Hosp Joint Dis** 36(1):61–5, Apr 75

Surgery of macular hole with detachment by an obique encircling silastic 3 mm band sutured to its middle 8 times 8 times 1 mm silicone plate pushed backwards by little finger on plate side to buckle the macular area without evacuation of subretinal fluid. Mortada A. **Bull Ophthalmol Soc Egypt** 67:139–44, 1974

Delayed diffuse exudative aseptic choroiditis produced by pressure of encircling silastic band without evacuation of subretinal fluid in retinal detachment surgery. Mortada A. **Bull Ophthalmol Soc Egypt** 67:119–25, 1974

Surgery of senile peripheral cystic retinoschisis with encircling silastic 3 mm band without evacuation of the cyst fluid. Mortada A. **Bull Ophthalmol Soc Egypt** 67:145–50, 1974

Surgery of giant horse-shoe retinal tear extending behind the equator of the globe by an oblique encircling silastic 3 mm band passing posterior to the tear without evacuation of the subretinal fluid. Mortada A. **Bull Ophthalmol Soc Egypt** 67:151–7, 1974

Reconstruction of cranial defects. Shaw RC, et al. **Clin Plast Surg** 2(4):539–49, Oct 75 (48 ref.)

Aortic alterations in rabbits following sheathing with silastic and polyethylene tubes. Huth F, et al. **Curr Top Pathol** 60:1–32, 1975

Vasectomy and vasovasostomy. II. A comparison of two methods of vasovasostomy: silastic versus chromic stents. Urry RL, et al. **Fertil Steril** 27(8):945–50, Aug 76

Plasma sex steroid and gonadotropin levels in control and silastic vaginal medroxyprogesterone acetate-impregnated ring cycles. Vermeulen A, et al. **Fertil Steril** 27(7):773–9, Jul 76

Observations on the use of silicone rubber spacers in tendon graft surgery. Leonard AG, et al. **Hand** 8(1):66–8, Feb 76

The origin and nature of pseudo-synovium appearing around implanted Silastic rods: an experimental study. Rayner CR. **Hand** 8(2):101–8, Jun 76

Silastic: a retrievable custom-molded oviductal plug. pp. 259–71. Erb RA.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (18 ref.)

A review of the properties of elastomeric impression materials. Grajower R, et al. **Isr J Dent Med** 24:8–13, Jan 75

Repair of cocked hallux secondary to Keller prodcedure using Silicone rubber implant. Groman AD, et al. **J Am Podiatry Assoc** 66(3):181–9, Mar 76

Keller implant procedure: a report of 536 procedures using a Silastic intramedullary stemmed implant. LaPorta GA, et al. **J Am Podiatry Assoc** 66(3):126–47, Mar 76 (73 ref.)

In vivo degradation of silicone rubber poppets in prosthetic heart valves. Cuddihy EF, et al. **J Biomed Mater Res** 10(3):471–81, May 76

Prefabricated silicone subdermal mandibular implants: observations and problems related to their application. Habal MB, et al. **J Biomed Mater Res** 10(4):529–36, Jul 76

The biostability of silicone rubbers, a polyamide, and a polyester. Roggendorf E. **J Biomed Mater Res** 10(1):123–43, Jan 76

Review and analysis of silicone-rubber metacarpophalangeal implants. Beckenbaugh RD, et al. **J Bone Joint Surg [Am]** 58(4):483–7, Jun 76

Infection after silicone prosthetic arthroplasty in the hand. Millender LH, et al. **J Bone Joint Surg [Am]** 57(6):825–9, Sep 75

Treatment of Kienböck's disease using a silicone rubber implant. Roca J, et al. **J Bone Joint Surg [Am]** 58(3):373–6, Apr 76

The handling of elastomeric impression materials: a review. Bell JW, et al. **J Dent** 3(5):229–37, Sep 75 (68 ref.)

Some physical properties of four resilient lining materials. Suchatlampong C, et al. **J Dent** 4(1):19–27, Jan 76

Prefabricated silastic subdermal implants for facial reconstruction. Habal MB. **J Fla Med Assoc** 62(10):36–8, Oct 75

The bonding properties of elastomer tray adhesives. Davis GB, et al. **J Prosthet Dent** 36(3):278–85, Sep 76

Selection of steroids for incorporation into silastic intrauterine devices. Doyle LL, et al. **J Steroid Biochem** 6(6):885–8, Jun 75

Letter: Silicone. Rathjen AH. **JAMA** 235(22):2391, 31 May 76

Thin rubber sheeting in frontal sinus surgery: animal and clinical studies. Neel HB, et al. **Laryngoscope** 86(4):524–36, Apr 76

Passive urethral compression with a silicone gel prosthesis for the treatment of male urinary incontinence. Kaufman JJ, et al. **Mayo Clin Proc** 51(6):373, Jun 76

A vacuum centrifuge for void-free potting of implantable hybrid microcircuits in silicone. Donaldson PE, et al. **Med Biol Eng** 13(4):595–6, Jul 75

Orbital floor support using silicone tubes. Kumpf W. **Mod Probl Ophthalmol** 14:489–92, 1975

Reconstruction of conjunctival fornices using silicone rubber sheets. Ralph RA. **Ophthalmic Surg** 6(3):55–7, Fall 75

Reduced thrombus formation with silicone elastomere (silastic) umbilical artery catheters. Boros SJ, et al. **Pediatrics** 56(6):981–6, Dec 75

Retrospective cephalometric analysis of mandibular bone absorption under silicone rubber chin implants. Friedland JA, et al. **Plast Reconstr Surg** 57(2):144–51, Feb 76

Cyclic AMP and platelet adhesion to silastic surfaces. Lee RG, et al. **Thromb Res** 8(1):111–4, Jan 76

Platelet response to long-term spiral coiled membrane lung bypass without heparin using a carbon silicone rubber membrane. Kolobow T, et al. **Trans Am Soc Artif Intern Organs** 22:110–8, 1976

[Technics of superficial impressions (replicas) of hard dental tissues and dental materials] Kysela B, et al. **Cesk Stomatol** 76(1):25–8, Jan 76 (Eng. Abstr.) **(Cze)**

[Experiences with elastomers in the fixed prosthetics] Skopek J. **Cesk Stomatol** 75(4):273–6, Jul 75 (Eng. Abstr.) **(Cze)**

[Traumatic destruction of 6 cm. of the radial nerve. Overbridging with silastic tubular grafts. Physiopathological comments] Leclercq R. **Acta Chir Belg** 75(2):253–63, Mar 76 **(Fre)**

[Use of a silastic leaf in the surgical treatment of retinal detachment] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 74(7-8):793–8, Jul–Aug 74 **(Fre)**

[Silicone ureteral prosthesis. Preliminary results in dogs] Hennebert F. **J Urol Nephrol (Paris)** 80(12 pt 2):429–36, Dec 74 **(Fre)**

[Replacement of the ureter by silicone elastomer prostheses (3 cases)] Leemans J, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):424–9, Dec 74 **(Fre)**

[Artificial silicone elastomer spermatocele. Experimental study] Wagenknecht LV, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):560–1, Dec 74 **(Fre)**

[Prosthetic restoration with mersilene of an open iterative rupture of the Achilles tendon] Renard V, et al. **Nouv Presse Med** 5(10):647–8, 6 Mar 76 **(Fre)**

[A case of urethroplasty with a silicone patch] Collard G. **Rev Med Liege** 30(17):567–8, 1 Sep 75 **(Fre)**

[Importance of silicone bases in complete dentures] Cros P, et al. **Rev Stomatol Chir Maxillofac** 76(1):81–4, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Soft epitheses of silicone rubber] Ehring F, et al. **Dtsch Med Wochenschr** 101(10):384–6, 5 Mar 76 **(Ger)**

[Reaction heat of elastomer casting materials. Preliminary report] Meiners H. **Dtsch Zahnaerztl Z** 30(10):680–1, Oct 75 (Eng. Abstr.) **(Ger)**

[10 years experience with alloplastics in facial paresis] pp. 107–9. Wilflingseder P.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Scientific basis for impression taking with silicone elastomers] Lenz VE. **Stomatol DDR** 5:331–40, May 76 (Eng. Abstr.) **(Ger)**

[Alloplasty of the basal finger joint using silastic prostheses] Mannerfelt L, et al. **Z Orthop** 113(4):485–6, Aug 75 **(Ger)**

[Use of autogenous reactive connective tissue for plastic surgery of the bladder (experimental studies)] Wiel Marin A, et al. **Chir Patol Sper** 23(5):300–14, Oct 75 (Eng. Abstr.) **(Ita)**

[Partial replacement of the ureter with a Scurasil prosthesis] Bianchi F, et al. **Minerva Urol** 27(5):203–12, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Use of polyurethane resins in orthopedics] Miśkowiec-Zachariasiewicz J. **Polim Med** 4(3):215–20, 1974 (Eng. Abstr.) **(Pol)**

[Morphology and histochemistry of tissues surrounding liquid and cured silicone rubber] Daurova TT, et al. **Polim Med** 6(1):7–11, 1976 **(Rus)**

ADVERSE EFFECTS

Investigation of the mesotympanum's reaction to silastic and gelatin film. Kitchens GG, et al. **Arch Otolaryngol** 102(9):547–51, SEP 76

[Tolerance of the cortical bone to silicone materials] Bruchet P, et al. **Ann Chir Plast** 20(2):227–31, 1975 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Microfil angiography: a demonstration of the microvasculature of the larynx with reference to tumor spread. pp. 279–95. Freeland AP.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

PHARMACODYNAMICS

Reaction associated with a silicone rubber gel: an experimental study. Rigdon RH, et al. **J Biomed Mater Res** 9(6):645–59, Nov 75

Relative thrombogenicity of polydimethylsiloxane and silicone rubber constituents. Weathersby PK, et al. **J Biomed Mater Res** 9(6):561–8, Nov 75

STANDARDS

[Silicone rubber as endoprosthetic material] Langer G, et al. **Polim Med** 4(2):145–52, 1974 **(Ger)**

THERAPEUTIC USE

Finger joint replacement with silastic implant. Wallace PF. **Med Trial Tech Q** 22(2):154–8, Fall 75

Transcatheter embolization of the spleen for control of splenic hemorrhage and in situ splenectomy: an experimental study using silicone spheres. Guilford WB, et al. **Radiology** 119(3):549–53, Jun 76

[Correction of funnel chest by an extemporaneously prepared silastic prosthesis] Toty L, et al. **Nouv Presse Med** 5(18):1205–6, 1 May 76 **(Fre)**

SILICONES

Surgical management of impotence: progress report. Apfelberg DB, et al. **Am J Surg** 132(3):336–7, Sep 76

A silicone nosepiece for children's eyeglasses: technique of molding. Tate GW Jr, et al. **Am Orthopt J** 25:115–7, 1975

[The dacron-silicone prosthesis for the interphalangeal joints of the hand (Niebauer design). Follow-up of 20 interphalangeal joint prosthesis and introduction of a new 'adaptable' prosthesis (author's transl)] Lane CS. **Ann Chir** 29(11):1011–4, Nov 75 (Eng. Abstr.) **(Eng, Fre)**

Use of silicone injections in facial defects. Berger RA. **Arch Otolaryngol** 101(9):525–7, Sep 75

Proceedings: A new technique for ferrosilicone knifeless nephrectomy or partial nephrectomy for renal tumours of unilateral renal aetiology hypertension. Turner RD. **Br J Urol** 48(2):155, Apr 76

Surgery of macular hole with detachment by an obique encircling silastic 3 mm band sutured to its middle 8 times 8 times 1 mm silicone plate pushed backwards by little finger on plate side to buckle the macular area without evacuation of subretinal fluid. Mortada A. **Bull Ophthalmol Soc Egypt** 67:139–44, 1974

The use of Dow Corning O2-1090 dielectric liquid in power transformers. pp. 312–3. Montgomery RH.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Silicones. pp. 87–98. Boretos JW.
In: Kronenthal RL et al., ed. Polymers in medicine and surgery. New York, Plenum Press, 1975. QT 34 P783 1974.

Silicone based release system. pp. 205–12. Duncan GW, et al.
In: Kronenthal RL et al., ed. Polymers in medicine and surgery. New York, Plenum Press, 1975. QT 34 P783 1974.

Silicone orthodigita and shielding Part I. Coates IS. **J Am Podiatry Assoc** 66(8):648–51, Aug 76

Characterization of fatty acid methyl esters by gas chromatography on siloxane liquid phases. Golovnya RB, et al. **J Chromatogr** 121(1):118–21, 9 Jun 76

Dynamic mechanical properties of maxillofacial materials. Koran A, et al. **J Dent Res** 54(6):1216–21, Nov–Dec 75

Effect of dimethylpolysiloxane fluid on the stability and dissolution of prednisolone. Asker AF, et al. **Pharmazie** 31(4):240–1, Apr 76

Indications for and pitfalls of soft tissue augmentation with

liquid silicone. Edgerton MT, et al. **Plast Reconstr Surg** 58(2):157–65, Aug 76

Long-term study of reactions to various silicone breast implants in rabbits. Lilla JA, et al. **Plast Reconstr Surg** 57(5):637–49, May 76

[Cementing femoral prostheses with silicones. Macroscopic study. Wear tests. Microscopic aspects] Kenesi C, et al. **Acta Orthop Belg** 40(5–6):735–43, 1974 **(Fre)**

[Complete obstruction of a silicone ureteral prosthesis] de Leval J, et al. **Acta Urol Belg** 43(1):5–10, Jan 75 **(Fre)**

[Experimental study of resistance to and biologic tolerance of prosthetic materials used in the repair of losses of substance of the abdominal wall] Adloff M, et al. **Chirurgie** 102(6):390–6, Jun 76 (Eng. Abstr.) **(Fre)**

[Long term drainage in abdominal surgery. The multitubular silicone sheet] Solassol C, et al. **Nouv Presse Med** 4(21):1570, 24 May 75 **(Fre)**

[Angiographic study and embolization with silicone particles of a facial hemangioma located in the bone. Report of a case] Tatoian JA, et al. **Rev Stomatol Chir Maxillofac** 77(1):32–7, Jan–Feb 76 **(Fre)**

[Molecular galenics. 8. Proof of H-bonding in structure-viscosity systems in the example of silicone dioxide gels] Hüttenrauch R, et al. **Pharmazie** 31(6):409–10, Jun 76 **(Ger)**

[Effects of compression pressure, drug particle size, drug form and test medium on the release of active ingredients from matrix tablets of a silicon base] Moldenhauer H, et al. **Pharmazie** 30(12):783–7, 1975 **(Ger)**

[The manufacture and testing of matrix tablets with a silicone resin base] Moldenhauer H, et al. **Pharmazie** 29(11):720–4, 1975 **(Ger)**

[Animal experiments on the prevention of spongiosa formation during plate osteosynthesis using silicone partition disks] Diehl K, et al. **Z Orthop** 113(4):768–70, Aug 75 **(Ger)**

[Accurate reconstruction of traumatic bony contour defects of periobital area with prefabricated silastic] Laub DR, et al. **Zentralbl Chir** 101(12):738–43, 1976 (Eng. Abstr.) **(Ger)**

[External gel-filled prosthesis of the breast] Prosnak M. **Pol Przegl Chir** 48(1):81–5, Jan 76 **(Pol)**

[Use of siloxan during tympanoplasty in patients with epidermal layer on the walls of the tympanic cavity] Bordanova TV, et al. **Zh Ushn Nos Gorl Bolezn** (3):80–3, May–Jun 75 **(Rus)**

ADMINISTRATION & DOSAGE

The treatment of massive vitreous retraction by the separation of pre-retinal membranes using liquid silicone. Scott JD. **Mod Probl Ophthalmol** 15:185–90, 1975

[Use of silicone oils of Polish production in the prevention of peritoneal adhesions. II] Habczyńska D, et al. **Pol Przegl Chir** 48(4):445–9, Apr 76 (Eng. Abstr.) **(Pol)**

[Use of silicone oils of Polish production in the prevention of peritoneal adhesions. I] Kubicki B, et al. **Pol Przegl Chir** 48(4):441–4, Apr 76 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Ocular findings six years after intravitreal silicone injection. Sugar HS, et al. **Arch Ophthalmol** 94(4):612–5, Apr 76

Changes in the lung following injections of silicone gel. Ferreira MC, et al. **Br J Plast Surg** 28(3):173–6, Jul 75

Catastrophic results after silicone injections. pp. 331–4. Jenny H.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.

Injectable fluid silicone therapy. Human morbidity and mortality. Ellenbogen R, et al. **JAMA** 234(3):308–9, 20 Oct 75

Editorial: The hazards of silicone injections. Vinnik CA. **JAMA** 236(8):959, 23 Aug 76

Scleral patch for exposed silicone buckles. Wilson RS, et al. **Ophthalmic Surg** 6(3):83–5, Fall 75

Silicone granuloma of the penis. Case reports. Lighterman I. **Plast Reconstr Surg** 57(4):517–9, Apr 76

Complication after alloplastic thigh augmentation. Codega G, et al. **Polim Med** 4(2):153–6, 1974

Complications of silicone injections. Kopf EH, et al. **Rocky Mt Med J** 73(2):77–80, Mar–Apr 76

[Intolerance of elastic silicone sponge after its therapeutic use in retinal detachment] Rouchy JP. **Bull Soc Ophtalmol Fr** 74(12):1185–91, Dec 74 **(Fre)**

ANALYSIS

Blood and tissue silicone in extracorporeal circulation. Valentin N, et al. **J Cardiovasc Surg (Torino)** 17(1):20–6, Jan–Feb 76

Rapid determination of dimethyl polysiloxane by proton magnetic resonance spectroscopy. Anhoury ML, et al. **J Pharm Sci** 65(4):590–2, Apr 76

PHARMACODYNAMICS

Relative thrombogenicity of polydimethylsiloxane and silicone rubber constituents. Weathersby PK, et al. **J Biomed Mater Res** 9(6):561–8, Nov 75

[Results of a study of the protective and preventive properties of PMS-400 cream with universal protective properties] Anton'ev AA, et al. **Vestn Dermatol Venerol** (12):42–6, Dec 75 (Eng. Abstr.) **(Rus)**

STANDARDS

Silicones for medical applications. Evans JG. **Polim Med** 4(2):135–44, 1974

THERAPEUTIC USE

Treatment of corns by injectable silicone. Balkin SW. **Arch Dermatol** 111(9):1143–5, Sep 75

The current status of silicon oil. (Analysis of long-term successes). pp. 518–22. Okun E.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The treatment of massive vitreous retraction with the separation of pre-retinal membranes using silicone oil. pp. 523–9. Scott JD.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Silicone augmentation for plantar calluses. Bakin SW. **J Am Podiatry Assoc** 66(3):148–54, Mar 76

The current status of silicone fluid in plastic and reconstructive surgery. Rees TD. **J Dermatol Surg** 2(1):34–8, Mar 76

Pathophysiology of the urethral compression operation: the use of silicone gel prostheses. Raz S, et al. **J Urol** 115(4):435–8, Apr 76

Non-steroid skin cream in traumatic dermatoses: A clinical open evaluation. Johnson A. **Med J Aust** 1(5):111–3, 31 Jan 76

Simethicone for discomfort caused by gastrointestinal gas. **Med Lett Drugs Ther** 17(19):80, 12 Sep 75

Silicone oil for hand trauma. Gifford D. **Physiotherapy** 60(11):350–1, Nov 74

[Minifom (methylpolysiloxane) in gastric gas accumulations] Sigstad H. **Tidsskr Nor Laegeforen** 95(28):1604, 10 Oct 75 **(Nor)**

TOXICITY

Toxicity of polydimethylsiloxanes in certain environmental systems. Keplinger ML, et al. **Environ Res** 10(3):397–406, Dec 75

SILICOSIS

Silicosis. Ziskind M, et al. **Am Rev Respir Dis** 113(5):643–65, May 76

Silicosis in shipyard sandblasters. Ziskind M, et al. **Environ Res** 11(2):237–43, Apr 76

[Letter: The silicosis and the lymph nodes] Ulmer WT. **ZFA (Stuttgart)** 52(18):976, 30 Jun 76 **(Ger)**

BLOOD

[Serum glycoproteins in complicated silicosis] Suciu I, et al. **Poumon Coeur** 30(4):273–9, 1974 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Low serum alpha-1-antitrypsin level as a contributory factor of combined emphysema in silicosis. Tokita K, et al. **Tohoku J Exp Med** 117(1):61–7, Sep 75

[A rare etiology of pulmonary osteoarthropathy in Africa: silicosis. Apropos of a case from the Tchad] Derrien JP, et al. **Bull Soc Med Afr Noire Lang Fr** 20(1):3–6, 1975 (Eng. Abstr.) **(Fre)**

[Silicosis associated with scleroderma] Fréneaux B, et al. **Nouv Presse Med** 4(29):2087–90, 13 Sep 75 (Eng. Abstr.) **(Fre)**

[Statistical study on the connection of cor pulmonale with lung emphysema and silicosis] Breining H, et al. **Rev Inst Hyg Mines (Hasselt)** 29(4):162–4, 1974 **(Ger)**

[Silicosis, chronic bronchitis and smoking habits] Joder P, et al. **Schweiz Med Wochenschr** 106(8):239–44, 21 Feb 76 (Eng. Abstr.) **(Ger)**

[Silicosis and scleroderma--attempt at synopsis] Beck B, et al. **Z Gesamte Inn Med** 31(13):493–6, 1 Jul 76 (Eng. Abstr.) **(Ger)**

[Participation of gonads in pulmonary silicosis] Ruse M, et al. **Z Gesamte Inn Med** 31(9):281–4, 1 May 76 (Eng. Abstr.) **(Ger)**

[Pulmonary heart disease - acute respiratory and cardiac insufficiency in pneumoconiosis(silicosis)] Takatsu T, et al. **Jpn J Clin Med** 34(2):352–64, 10 Feb 76 **(Jpn)**

DIAGNOSIS

[Differential diagnosis of silicosis and multiple pulmonary metastases from papillary thyroid gland carcinoma] Thürauf J, et al. **Med Welt** 27(30):1431–3, 23 Jul 76 **(Ger)**

[Experiences with the mediastinoscopy for the diagnostics of silicosis (author's transl)] Oeser R, et al. **Z Erkr Atmungsorgane** 145(1):70–4, Apr 76 (Eng. Abstr.) **(Ger)**

[Clinical aspects of silicosis in porcelain manufacturing workers] Savvaitova NI, et al. **Gig Tr Prof Zabol** (4):40–2, Apr 75 **(Rus)**

[Scanning of the lungs in complicated siderosilicosis] Brodskil OB, et al. **Vrach Delo** (11):118–21, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effect of polyvinylpyridine N-oxide on lipid metabolism indices in healthy and silicotic rats] Babushkina IG. **Farmakol Toksikol** 38(3):337–41, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Antisilicotic effectiveness of a Soviet polyvinoxide] Aronova GV, et al. **Gig Tr Prof Zabol** (10):48–9, Oct 74 **(Rus)**

[Action of polyvinylpyridine N-oxide on individual lung tissue indices in experimental silicosis] Mukhina ST, et al. **Gig Tr Prof Zabol** (10):33–5, Oct 74 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[The effect of low-polymeric polyvinylpyridine-N-oxide on the activity of some pulmonary tissue enzymes in rats with experimental silicosis] Pavlova IV, et al. **Gig Tr Prof Zabol** (10):36–9, Oct 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

High prevalence of antinuclear antibodies in sandblasters' silicosis. Jones RN, et al. **Am Rev Respir Dis** 113(3):393–5, Mar 76

[Changes of immunologic reactivity in experimental silicosis] Barlogova S, et al. **Allerg Immunol (Leipz)** 20–21(3):311–22, 1974–75 (Eng. Abstr.) **(Ger)**

[Effect of experimental silicosis on the antibody synthetic activity of the lungs and some lymphoid organs] Kevorkov NN, et al. **Gig Tr Prof Zabol** (7):56–7, Jul 76 **(Rus)**

[Cellular and humoral phenomena of autoallergy in silicosis and silicotuberculosis] Kitaev MI, et al. **Gig Tr Prof Zabol** (1):22–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Complement as an indirect nonspecific index of antigenic stimulation in persons with jobs at risk for silicosis and in silicosis patients] Petrova EV, et al. **Gig Tr Prof Zabol** (5):45–6, May 74 **(Rus)**

[Effect of autolysis on certain autoiummune phenomena in silicosis] Varzina NV, et al. **Gig Tr Prof Zabol** (4):24–7, Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Enhanced pulmonary absorption of drugs in rats with experimental silicosis. Gardiner TH, et al. **Res Commun Chem Pathol Pharmacol** 13(3):559–62, Mar 76

[Changes in the process of hepatic protein synthesis in the development of complicated silicosis] Suciu I, et al. **Rev Med Intern [Med Intern]** 28(2):139–44, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

OCCURRENCE

Letters to the Editor: Occupational lung disease. Morgan KC. **J Occup Med** 18(8):523, Aug 76

Silicosis among grindstone cutters in the north of Nigeria. Warrell DA, et al. **Thorax** 30(4):389–98, Aug 75

[Problem of silicosis in a fluorine mine in Tunisia] Pestiaux JL, et al. **Tunis Med** 52(6):337–9, Nov–Dec 74 **(Fre)**

[Silicosis in the industrial system of the German Federal Republic] Reif E. **Zentralbl Arbeitsmed** 25(3):76–83, Mar 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

A diffuse form of pulmonary silicosis in foundry workers. Pintar K, et al. **Arch Pathol Lab Med** 100(10):535–8, Oct 76

[The relationship between the physical characteristic of quartz dusts and their influence on biochemical and morphological changes in rat lungs (author's transl)] Kyselá B, et al. **Bratisl Lek Listy** 64(1):64–75, Jul 75 (Eng. Abstr.) **(Cze)**

[Biopsy in sarcoidosis and silicosis] pp. 83–7. Maassen W, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Electron microscopic study of natural SiO2 particles and SiO2 particles isolated from rat lung] György U, et al. **Morphol Igazsagugyi Orv Sz** 16(3):225–32, Jul 76 (Eng. Abstr.) **(Hun)**

[Bone marrow content of certain microelements in silicosis and silicotuberculosis] Bronnikov VI, et al. **Probl Tuberk** (11):54–7, 1975 **(Rus)**

[Hepatic silicosis. Analysis of 21 cases] Ortuño Pacheco G, et al. **Rev Esp Enferm Apar Dig** 46(2):107–30, Aug 75 **(Spa)**

PHYSIOPATHOLOGY

Pulmonary function in sandblasters' silicosis. Jones RN, et al. **Bull Physiopathol Respir (Nancy)** 11(4):589–95, Jul–Aug 75

Evolution of functional respiratory disorders in different types of pneumoconiosis. Marek K, et al. **Bull Physiopathol Respir (Nancy)** 11(4):597–610, Jul–Aug 75

Impairment of pulmonary mixing in simple and complicated silicosis. Teculescu D, et al. **Bull Physiopathol Respir (Nancy)** 11(4):447–69, Jul–Aug 75

Cardio-pulmonary function studies in Swedish mines silicosis. Lindelöf B, et al. **Rev Inst Hyg Mines (Hasselt)** 29(4):165–6, 1974

[Lung ductances and the determination of lung diffusion capacity in silicosis] Scotti P, et al. **Poumon Coeur** 31(5):309–12, 1975 (Eng. Abstr.) **(Fre)**

[A study of the relationship between size of the lung lesions and respiratory and alveolar function in silicosis and silico-tuberculosis (author's transl)] Jahn O. **Prax Pneumol** 29(4):199–218, Apr 75 (Eng. Abstr.) **(Ger)**

[An ergometric study of lung function in silicosis and silicotuberculosis (author's transl)] Jahn O. **Prax Pneumol** 29(11):618–28, Nov 75 (Eng. Abstr.) **(Ger)**

[Behavior of patients with pulmonary silicosis during the exercise test with increasing load] Casula D, et al. **Boll Soc Ital Biol Sper** 51(21):1486–9, 15 Nov 75 **(Ita)**

[Vectorcardiographic study in patients with pulmonary silicosis] Giuliano G, et al. **Boll Soc Ital Cardiol** 17(4):223–32, 1972 (Eng. Abstr.) **(Ita)**

[Evaluation of the biological effect of solutions of chloride salts used for dust removal under conditions of subfreezing temperature] Aronova GV, et al. **Gig Sanit** (5):35–9, May 76 (Eng. Abstr.) **(Rus)**

[Complex assessment of the condition of the cardio-vascular system in workers engaged in the production of silicon-organic monomers] Bakulina AV. **Gig Tr Prof Zabol** (10):47–8, Oct 75 **(Rus)**

[External respiration and hemodynamics in patients with silicosis] Romanov AA. **Vrach Delo** (3):96–9, Mar 76 (Eng. Abstr.) **(Rus)**

[Indicators of the functional state of the nervous system and mediators in patients with siderosilicosis] Rudenko AS. **Vrach Delo** (3):127–31, Mar 74 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The Walrus and the Carpenter or the Silica Criteria Standard. Morgan WK. **J Occup Med** 17(12):782–3, Dec 75

I. Recommendations for a crystalline silica standard. Utidjian HM. **J Occup Med** 17(12):775–81, Dec 75

[50 years of silicosis control (author's transl)] Worth G. **Prax Pneumol** 29(12):736–44, Dec 75 (Eng. Abstr.) **(Ger)**

[Preventive chemotherapy in persons with silicosis and silicotuberculosis (author's transl)] Sturm W, et al. **Z Erkr Atmungsorgane** 145(1):75–82, Apr 76 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Bronchography and radiograph of rat lung in experimental silicosis (author's transl)] Havránková J, et al. **Radiol Diagn (Berl)** 15(1):39–46, 1974 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Work capacity and the occupational rehabilitation or those disabled with silicosis] Zaltsev VP. **Vrach Delo** (1):127–31, Jan 76 (Eng. Abstr.) **(Rus)**

THERAPY

[Influence of ultrasound on the indices of the function of external respiration in patients with silicosis] Alferova IN. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):551–5, Nov–Dec 75 **(Rus)**

SILICOTUBERCULOSIS

DIAGNOSIS

[Some characteristics of the differential diagnosis of coniotuberculosis] Gorbulin AE, et al. **Probl Tuberk** (7):57–60, Jul 76 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Primary drug resistance of Mycobacterium tuberculosis in patients with coniotuberculosis] Beskrovnyĭ PS, et al. **Probl Tuberk** (11):78–9, 1975 **(Rus)**

IMMUNOLOGY

[Cellular and humoral phenomena of autoallergy in silicosis and silicotuberculosis] Kitaev MI, et al. **Gig Tr Prof Zabol** (1):22–5, Jan 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Morphogenesis and pathogenesis of chronic lung diseases. IX. Development of reticulinic fibrillogenesis during the evolution of an associated experimental silicosis and tuberculosis. Ionescu J, et al. **Morphol Embryol (Bucur)** 21(3):227–33, 1975

[Bone marrow content of certain microelements in silicosis and silicotuberculosis] Bronnikov VI, et al. **Probl Tuberk** (11):54–7, 1975 **(Rus)**

PHYSIOPATHOLOGY

[A study of the relationship between size of the lung lesions and respiratory and alveolar function in silicosis and silico-tuberculosis (author's transl)] Jahn O. **Prax Pneumol** 29(4):199–218, Apr 75 (Eng. Abstr.) **(Ger)**

[An ergometric study of lung function in silicosis and silicotuberculosis (author's transl)] Jahn O. **Prax Pneumol** 29(11):618–28, Nov 75 (Eng. Abstr.) **(Ger)**

[Combination of acute dermatomyositis and silicotuberculosis] Mal'tseva LM, et al. **Gig Tr Prof Zabol** (3):51–3, Mar 76 **(Rus)**

PREVENTION & CONTROL

[Preventive chemotherapy in persons with silicosis and silicotuberculosis (author's transl)] Sturm W, et al. **Z Erkr Atmungsorgane** 145(1):75–82, Apr 76 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Characteristics of the clinical course of coniotuberculosis of the intrathoracic lymph nodes in persons subjected to the occupational action of a quartz-containing dust] Ozerova LV, et al. **Gig Tr Prof Zabol** (2):15–9, Feb 76 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Work capacity dynamics in the invalids because of silicotuberculosis] Bushuev VT. **Probl Tuberk** (8):15–8, 1975 (Eng. Abstr.) **(Rus)**

SILKWORMS

Fibroin messenger RNA and its genes. Suzuki Y. **Adv Biophys (Tokyo)** 8:83–114, 1976 (105 ref.)

Isolation and characterization of insect vitellogenin. Its identity with hemolymph lipoprotein II. Chino H, et al. **Biochim Biophys Acta** 441(2):349–53, 23 Aug 76

Sporeless mutants of Bacillus thuringiensis. II. mutants derived from var. thuringiensis and var. sotto. Nitshiitsutsuji-Uwo J, et al. **Experientia** 31(11):1285–7, 15 Nov 75

[Comparative characteristics of initial strains and highly ivgorous hybrids of silkworms according to ovum and hemolymph soluble proteins] Ostapenko VI, et al. **Biol Nauki** (6):102–9, 1975 **(Rus)**

[Use of silkworm silk gland ribosomes as a model for the study of exogenous matrices in protein biosynthesis] Kullyev P. **Dokl Akad Nauk SSSR** 227(4):1003–6, 1976 **(Rus)**

[Depolyploidization of tetraploid silkworm parthenoclones by the method of meiotic parthenogenesis] Strunnikov VA, et al. **Dokl Akad Nauk SSSR** 228(1):211–4, May–Jun 76 **(Rus)**

[Variability of the eggs of the local silkworm (Bombyx mori l.) according to the capacity for thermal parthenogenesis and heat resistance. Report 3. Causes and characteristics of the variability of egg batches according to heat resistance] Rat'kin EV. **Ontogenez** 6(6):572–8, 1975 (Eng. Abstr.) **(Rus)**

ANALYSIS

Detection of aflatoxin B1 in silkworm larvae attacked by an Aspergillus flavus isolate from a sericultural farm. Ohtomo T, et al. **Appl Microbiol** 30(6):1034–5, Dec 75

The size of pulse-labeled fibroin messenger RNA. Lizardi PM. **Cell** 7(2):239–45, Feb 76

The blocked and methylated 5' terminal sequence of a specific cellular messenger: the mRNA for silk fibroin of Bombyx mori. Yang NS, et al. **Cell** 7(3):339–47, Mar 76

DNA sequence organization in the lepidopteran Antheraea pernyi. Efstratiadis A, et al. **Proc Natl Acad Sci USA** 73(7):2289–93, Jul 76

CYTOLOGY

The meotic prophase in Bombyx mori females analyzed by three dimensional reconstructions of synaptonemal complexes. Rasmussen SW. **Chromosoma** 54(3):245–93, 23 Feb 76

DRUG EFFECTS

[Effect of ether anesthesia on the circulatory rhythm of adult lepidoptera, Bombyx mori] Sillans D, et al. **C R Acad Sci [D] (Paris)** 282(3):293–6, 19 Jan 76 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

[EPR spectra of silkworm eggs] Korkhova ED, et al. **Biofizika** 21(1):107–12, Jan–Feb 76 **(Rus)**

ENZYMOLOGY

Cyclic nucleotide phosphodiesterase in silkworm. Developmental change of cyclic AMP and cyclic GMP phosphodiesterases. Morishima I. **Biochim Biophys Acta** 403(1):106–12, 22 Sep 75

Cylic nucleotide phosphodiesterase in silkworm. Characterization of cyclic GMP phosphodiesterase. Morishima I. **Biochim Biophys Acta** 410(2):310–7, 18 Dec 75

Transition of properties in the silk gland trehalase during metamorphosis of the silkworm, Bombyx mori. Shimada S. **Comp Biochem Physiol [B]** 54(1):47–50, 1976

Studies on aminotransferases in the developing ovary of the silkworm Bombyx mori L. Gowda TV, et al. **Indian J Biochem Biophys** 12(2):100–2, Jun 75

Guanosine 3':5'-monophosphate-dependent protein kinase from silkworm, properties of a catalytic fragment obtained by limited proteolysis. Inoue M, et al. **J Biol Chem** 251(14):4476–8, 25 Jul 76

Purification and subunit structure of deoxyribonucleic acid-dependent ribonucleic acid polymerase III from the posterior silk gland of Bombyx mori. Sklar VE, et al. **J Biol Chem** 251(12):3794–800, 25 Jun 76

[Acid phosphatase activity in the hemolymph of spring and summer generations of mulberry silkworm hybrids] Filippovich IuB, et al. **Biol Nauki** (10):114–7, 1975 **(Rus)**

[Acylation of tRNA by aminoacyl-tRNA-synthetases in the fibroin section of the silkworm silk gland at the beginning and end of the V instar] Kullyev P, et al. **Dokl Akad Nauk SSSR** 223(2):497–500, 11 Jun 75 **(Rus)**

[Activity of the glycine and alanine synthesis enzymes in the tissues and organs of the bombyx and tussah and the relationship to silk formation] Zhukova NI, et al. **Zh Obshch Biol** 36(2):297–302, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Differentiation in the cocoonase producing silkmoth galea: ultrastructural studies. Selman K, et al. **Dev Biol** 46(1):132–50, Sep 75

IMMUNOLOGY

Insect immunity. 11. Simultaneous induction of antibacterial activity and selection synthesis of some hemolymph proteins in diapausing pupae of Hyalophora cecropia and Samia cynthia. Faye I, et al. **Infect Immun** 12(6):1426–38, Dec 75

METABOLISM

Selective changes in methionine tRNA species during development of the posterior silkglands of Bombyx mori. Araya A, et al. **Biochem Biophys Res Commun** 67(3):924–34, 1 Dec 75

Anticodon loop sequences of transfer RNA Ser CGA and transfer RNA Ser IGA from the posterior silkgland of Bombyx mori L. Hentzen D, et al. **Biochem Biophys Res Commun** 71(1):241–48, 12 Jul 76

Redox state of respiratory chain enzymes and potassium transport in silkworm mid-gut. Mandel LJ, et al. **Biochim Biophys Acta** 408(2):123–34, 11 Nov 75

Biosynthesis of tRNA in the posterior silk gland of Bombyx mori. Siddiqui MA, et al. **Brookhaven Symp Biol** (26):154–64, Jul 75

Messenger RNA synthesis, transport, and storage in silkmoth ovarian follicles. Paglia LM, et al. **Dev Biol** 51(2):173–81, 15 Jul 76

Messenger ribonucleoprotein particles in silkmoth oogenesis. Paglia LM, et al. **Dev Biol** 51(2):182–9, 15 Jul 76

Absence of ribosomal DNA amplification in a meroistic polytrophic ovary. Cave MD, et al. **Exp Cell Res** 101(1):23–30, Aug 76

Steroid metabolism in Bombyx mori, I. Catabolism of ponasterone A and ecdysterone in Bombyx mori. Hikino H, et al. **Hoppe Seylers Z Physiol Chem** 356(3):309–14, Mar 75

Letter: Stereospecificity in the conversion of fucosterol 24,28-epoxide to desmosterol in the silkworm, Bombyx mori. Chen SM, et al. **J Am Chem Soc** 97(18):5297–9, 3 Sep 75

The biosynthesis of transfer RNA in insects. I. Increase of amino acid acceptor activity of specific tRNA's utilized for silk protein biosynthesis in the silk gland of Bombyx mori. Majima R, et al. **J Biochem (Tokyo)** 78(2):391–400, Aug 75

Cation distributions across the larval and pupal midgut of the lepidopteran, Hyalophora cecropia, in vivo. Harvey WR, et al. **J Exp Biol** 63(2):321–30, Oct 75

Active transport of potassium by the Cecropia midgut; tracer kinetic theory and transport pool size. Wood JL, et al. **J Exp Biol** 63(2):301–11, Oct 75

Active transport of magnesium across the isolated midgut of Hyalophora cecropia. Wood JL, et al. **J Exp Biol** 63(2):313–20, Oct 75

Potassium exchange between bathing solution and midgut of Hyalophora cecropia and time delay for potassium flux through the midgut. Zerahn K. **J Exp Biol** 63(1):295–300, Aug 75

Biosynthesis of transfer RNA: isolation and characterization of precursors to transfer RNA in the posterior silkgland of Bombyx mori. Chen GS, et al. **J Mol Biol** 96(1):153–70, 25 Jul 75

Determination of the multiplicity of the silk fibroin gene and detection of fibroin gene-related DNA in the genome of Bombyx mori. Gage LP, et al. **J Mol Biol** 101(3):327–48, 5 Mar 76

The accessory sex glands as the repository for juvenile hormone in male cecropia moths. Shirk PD, et al. **Z Naturforsch [C]** 31(3–4):199–200, Mar–Apr 76

[Relationship between changes in respiratory metabolism and usage of the pentose cycle in Bombyx mori L. exposed to different temperatures] Moreau R. **C R Soc Biol (Paris)** 169(4):953–8, 1975 (Eng. Abstr.) **(Fre)**

[Modification of the test of the silver-affinity to the semi-fine and ultrafine fats of the skin of Bombina variegata pachypus] Delfino G. **Boll Soc Ital Biol Sper** 51(22):1689–95, 30 Nov 75 **(Ita)**

MICROBIOLOGY

A radioimmunoassay for the cytoplasmic polyhedrosis virus from Bombyx mori. Payne CC, et al. **Intervirology** 4(6):365–8, 1974

Biochemical properties of polyhedra and virus particles of the cytoplasmic polyhedrosis virus of Bombyx mori. Payne CC, et al. **Intervirology** 4(6):354–64, 1974

Occurrence of crystalliferous bacteria in the diseased cocoons of Bombyx mori in Pakistan. Shaikh MR, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):402–5, 1975

PHYSIOLOGY

Juvenile hormone–induced delay of metamorphosis of the viscera of the cecropia silkworm. Riddiford LM. **Biol Bull** 148(3):429–39, Jun 75

Sensory transduction in insect olfactory receptors. pp. 243–73. Kaissling KE. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.** (52 ref.)

Role of active potassium transport by integumentary epithelium in secretion of larval–pupal moulting fluid during silkmoth development. Jungreis AM, et al. **J Exp Biol** 62(2):357–66, Apr 75

Ecdysone and oocyte morphogenesis in Bombyx mori. Washio H, et al. **Nature** 262(5568):487–90, 5 Aug 76

Diapause factor in the brains, subesophageal ganglia and prothoracic ganglia of the silkworm. Sonobe H, et al. **Naturwissenschaften** 62(7):348–9, Jul 75

[Effect of nutritional quality of diet on chemical composition of organs and their interrelations in Bombyx mori L.] Calvez B. **Ann Nutr Aliment** 29(3):259–69, 1975 (Eng. Abstr.) **(Fre)**

[The sequential determination of oogenesis in Bobyx mori; experimental arrest by fasting and an interpretation] Legay JM. **C R Acad Sci [D] (Paris)** 280(23):2689–92, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Variability of the ova of mulberry silkworm (Bombyx mori L.) with regard to capacity for thermal parthenogenesis and heat resistance. 4. Relationship between the capacity of oocytes from different females for thermal parthenogenesis and heat resistance of ova at the early stage of development and heat resistance of the muscles of these females] Rat'kin EV. **Ontogenez** 7(1):70–5, 1976 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Variations in teratogenic effects observed in chrysalids of Bombyx mori developed from x-irradiated larvae] Coulon M. **Arch Anat Microsc Morphol Exp** 63(4):337–48, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Localization of the genes for silk fibroin in silk gland cells of Bombyx mori. Thomas C, et al. **Dev Biol** 49(1):89–100, Mar 76

Studies on the posterior silk gland of the silkworm Bombyx mori. V. Electron microscope localization of fibroin in the posterior silk gland at the later stage of the fifth instar. Sasaki S, et al. **J Cell Biol** 70(3):648–59, Sep 76

[Ultrastructure and cytochemistry of hemocytes of Antheraea pernyi Guer. (Lepidoptera, Attacidae) during the fifth larval stage. I. Prohemocytes, plasmatocytes and granulocytes] Beaulaton J, et al. **J Ultrastruct Res** 55(2):143–56, May 76 **(Fre)**

[Ultrastructure of the salivary glands of Amalo helops megapyrha larva (Lepidoptera; Arctiidae)] da Cruz-Landim C. **An Acad Bras Cienc** 45(3–4):565–84, 1973 (Eng. Abstr.) **(Por)**

SILO FILLER'S DISEASE see under **LUNG DISEASES**

SILOMAT see under **AMINO ALCOHOLS**

SILOXANES see under **SILICONES**

SILVER

Effects of metrizamide on silver staining of aortic endothelium. A comparison with metrizoate media in rats. Almén T, et al. **Acta Radiol [Suppl] (Stockh)** (335):233–8, 1973

Anisotropic properties of silver plus gold–impregnated collagen bundles: ADB and form birefringence curves. Vidal BC, et al. **Ann Histochim** 20(1):15–26, Jan–Mar 75

The self-association of jack bean urease and its modification by silver ions. Kaneshiro CM, et al. **Arch Biochem Biophys** 174(2):647–50, Jun 75

Effect of mercuric and silver ions on cesium sulfate equilibrium buoyant densities of synthetic polydeoxyribonucleotides. Lieberman MW, et al. **Biochim Biophys Acta** 425(3):265–77, 17 Mar 76

The effect of silver ion binding and pH on the buoyant density of DNA and its use in fractionating heterogeneous DNA. Rinehart FP, et al. **Biochim Biophys Acta** 425(4):451–62, 2 Apr 76

Direct observation of continuous gamma2–networks in Ag3Sn amalgams. Reynolds CL, et al. **Biomater Med Devices Artif Organs** 3(3):305–7, 1975

Effect of the type of filtered water on the silver on emission in the silver–impregnated ceramic candles designed for a continuous disinfection on ships. Jarnuszkiewicz I, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):281–7, 1975

Negative silver staining in A–T and satellite DNA–rich regions of human chromosomes. Howell WM, et al. **Chromosoma** 57(2):165–9, 17 Aug 76

Minimizing silver–silver chloride electrode impedance. Getzel WA, et al. **IEEE Trans Biomed Eng** 23(1):87–8, Jan 76

Uracil and its interaction with silver ion in aqueous alkaline media. DeMember JR, et al. **J Am Chem Soc** 97(21):6240–5, 15 Oct 75

Status report on silver amalgam. Council on Dental Materials and Devices. **J Am Dent Assoc** 91(3):618–21, Sep 75

Importance of gold in Ag3Sn amalgam. Malhotra ML. **J Biomed Mater Res** 9(5):543–5, Sep 75

Identification of Au–Sn phase in Ag3Sn alloys containing gold. Malhotra ML, et al. **J Biomed Mater Res** 9(2):197–205, Mar 75

Microstructure in gold–containing Ag3Sn–amalgam. Malhotra ML. **J Biomed Mater Res** 10(1):9–23, Jan 76

Amalgamation reaction on mercury–plated dental alloy (Ag3Sn). Okabe T, et al. **J Biomed Mater Res** 9(2):221–36, Mar 75

Growth kinetics of gamma 2 crystals on mercury–plated Ag3Sn. Okabe T, et al. **J Biomed Mater Res** 9(5):389–98, Sep 75

Thermodynamic considerations of the setting reaction in Ag3Sn amalgams. Reynolds CL Jr, et al. **J Biomed Mater Res** 9(2):213–9, Mar 75 (15 ref.)

Diffusion of mercury in Ag2Hg3 from weight–loss data. Timmons CF, et al. **J Biomed Mater Res** 10(3):371–5, May 76

Effect of varying amounts of gold in Ag3Sn–amalgam. Malhotra ML. **J Dent Res** 54(5):1099, Sep–Oct 75

The preparation of silver absorbers for sampling airborne mercury. Corte GL, et al. **Mikrochim Acta** 1(5–6 Pt. 1):532–8, May 75

Search for new silver–ion solid electrolytes for use in batteries. Linford RG, et al. **Nature** 259(5545):656–7, 26 Feb 76

[X–ray diffraction study of the binding of Cu2+ and Ag2+ cations to DNA] Albiser G, et al. **C R Acad Sci [D] (Paris)** 282(16):1557–60, 26 Apr 76 (Eng. Abstr.) **(Fre)**

[New selective silver impregnation methods for the study of degenerating nerve fibers] Yamadori T. **Acta Anat Nippon** 50(5):262–6, 1 Oct 75 (Eng. Abstr.) **(Jpn)**

[Study on the age–hardenable silver alloy (3 rd report). III. On the ageing process of dental Ag–Pd–Cu–Au alloy (author's transl)] Ota M, et al. **J Jpn Soc Dent Appar Mater** 16(35):144–9, May 75 (Eng. Abstr.) **(Jpn)**

[Metalized dental home– and auto–transplants] Semina C, et al. **Rev Chir [Stomatol]** 22(2):131–4, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Ultrastructural analysis of preparations impregnated with silver salts] Khaisman EB, et al. **Biull Eksp Biol Med** 81(1):81–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Utilization of a visual gelatin–silver method for selecting micromycete producers of proteases] Basarab BN, et al. **Mikrobiol Zh** 36(2):242–4, Feb–Mar 74 **(Ukr)**

ADVERSE EFFECTS

Letter: Silver sulfadiazine adverse effects. Henderson RN. **Am J Hosp Pharm** 32(11):1103, Nov 75

ANALYSIS

Auger analysis of surface films on Ag3Sn. Grenga HE, et al. **J Biomed Mater Res** 9(2):207–11, Mar 75

Atomic absorption spectrophotometry applied to photographic densitometry. Troyer H, et al. **J Histochem Cytochem** 23(12):941–4, Dec 75

Phases in preamalgamated silver amalgam alloy. Jensen SJ, et al. **Scand J Dent Res** 84(3):183–6, May 76

[The analytical electron microscopic study of the corneal and conjunctival deposits of pigments and other substances. Part 2: Conjunctival argyrosis (author's transl)] Kanai A, et al. **Acta Soc Ophthalmol Jpn** 80(7):385–9, 10 Jul 76 (Eng. Abstr.) **(Jpn)**

[Spectrophotometric determination of silver with thiothenoyltrifluoroacetone and 1, 10–phenanthroline (author's transl)] Deguchi M, et al. **J Pharm Soc Jpn** 95(8):1010–2, Aug 75 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Methenamine–silver–stained corneal scrapings in keratomycosis. Forster RK, et al. **Am J Ophthalmol** 82(2):261–5, Aug 76

Some chemical principles applicable to some silver and gold staining methods for neuropathological studies. Feigin I, et al. **J Neuropathol Exp Neurol** 35(5):495–507, Sep–Oct 76

A new technique of silver impregnation for oligodendrocytes with potassium dicyanoargentate by means of perfusion–fixation method. Ogawa Y, et al. **Okajimas Folia Anat Jpn** 52(1):39–50, May 75

METABOLISM

[About argentaffinity and argyrophilia of certain endocrine glands of the digestive mucosas (author's transl)] Lefranc G, et al. **Ann Histochim** 20(1):67–76, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Modification of the test of the silver–affinity to the semi–fine and ultrafine fats of the skin of Bombina variegata pachypus] Delfino G. **Boll Soc Ital Biol Sper** 51(22):1689–95, 30 Nov 75 **(Ita)**

[Binding of silver ions by Candida utilis cells] Golubovich VN, et al. **Mikrobiologiia** 45(1):119–22, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Electrically generated silver ions: quantitative effects on bacterial and mammalian cells. Berger TJ, et al. **Antimicrob Agents Chemother** 9(2):357–8, Feb 76

Inhibition of Thiobacillus ferrooxidans by soluble silver. Hoffman LE, et al. **Biotechnol Bioeng** 18(8):1161–5, Aug 76

Mitochondrial malate dehydrogenase of bovine cerebrum. Characterization and mechanisms of inhibition by silver ions. Higashida H, et al. **J Biochem (Tokyo)** 78(5):989–99, Nov 75

Sparkling pure water—in a swimming pool. Plumb RC. **J Chem Educ** 53(3):189–90, Mar 76

Antiherpesviral activity of silver sulfadiazine. Chang TW. **J Cutan Pathol** 2(6):320–1, 1975

Proceedings: Possible mechanisms involved in the reduction in motility of human spermatozoa by copper, zinc and silver. Holland MK, et al. **J Reprod Fertil** 46(2):507–8, Mar 76

[Antimicrobial activity of sulfadiazine–silver] Orpianesi C. **Nuovi Ann Ig Microbiol** 26(1):64–8, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Studies on the cytotoxicity of silver alloys be means of cell culture (author's transl)] Mizutani H. **J Jpn Soc Dent Appar Mater** 17(38):145–61, May 76 (Eng. Abstr.) **(Jpn)**

[A mathematical model of inhibition of the growth of Candida utilis by heavy metal ions] Petrova TA, et al. **Mikrobiologiia** 45(2):224–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Prevention of herpes keratoconjunctivitis in rabbits by silver sulfadiazine. Chang TW, et al. **Antimicrob Agents Chemother** 8(6):677–8, Dec 75

[The local effect of a silver chelate on standardized scald wounds of the rat] Springorum HW, et al. **Arzneim Forsch** 25(11):1782–3, Nov 75 (Eng. Abstr.) **(Ger)**

[Clinical experiences with the silver chelate of phosphoric acid–mono–(2–aminoethyl ester) (dermazellon) in dermatology] Pemler K, et al. **Z Hautkr** 49(18):775–80, 15 Sep 74 **(Ger)**

SILVER NITRATE

Is rectal carcinoid argyrophilic? Application of Grimelius' silver nitrate stain in four cases. Hosoda S, et al. **Dis Colon Rectum** 18(5):386–90, Jul–Aug 75

Is alcoholic acidic silver nitrate reagent really specific for the histochemical localization of ascorbic acid. Shah N. **Histochemistry** 46(2):173–5, 16Feb 76

ADMINISTRATION & DOSAGE

[Letter: Opthalmia gonorrhoica neonatorum] Loendersloot EW. **Ned Tijdschr Geneeskd** 120(9):398, 28 Feb 76 **(Dut)**

ADVERSE EFFECTS

Acute necrotizing ulcerative gingivitis — sequelae following treatment with silver nitrate. Fletcher PD, et al. **NY J Dent** 46(4):122–4, Apr 76

[The analytical electron microscopic study of the corneal and conjunctival deposits of pigments and other substances. Part 2: Conjunctival argyrosis (author's transl)] Kanai A, et al. **Acta Soc Ophthalmol Jpn** 80(7):385–9, 10 Jul 76 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Instability and linkage of silver resistance, lactose fermentation, and colony structure in Enterobacter cloacae from burn wounds. Annear DI, et al. **J Clin Pathol** 29(5):441–3, May 76

[Selective toxicity of silver nitrate on microorganism] Shimizu F, et al. **Jpn J Bacteriol** 30(1):266, Jan 75 **(Jpn)**

THERAPEUTIC USE

Topical chemoprophylaxis with silver sulphadiazine and silver nitrate chlorhexidine creams: emergence of sulphonamide–resistant Gram–negative bacilli. Lowbury EJ, et al. **Br Med J** 1(6008):493–6, 28 Feb 76

Silver nitrate irrigation to control bladder hemorrhage in children receiving cancer therapy. Kumar AP, et al. **J Urol** 116(1):85–6, Jul 76

Silver nitrate ophthalmic solution and chemical conjunctivities. Nishida H, et al. **Pediatrics** 56(3):368–73, Sep 75

SILVER PROTEINS

ADVERSE EFFECTS

[Isolated case of general argyrosis after long–term administration of targesine nasal drops] Voldřich Z, et al. **Cesk Otolaryngol** 24(6):374–6, Dec 75 (Eng. Abstr.) **(Cze)**

SILYMARIN see under **FLAVONES**

SIMAZINE see under **HERBICIDES, TRIAZINE**

SIMBU GROUP VIRUSES see under **ARBOVIRUSES**

SIMETHICONE see under **SILICONES**

SIMIAN VIRUS 40 see **SV40 VIRUS**

SIMMONDS' DISEASE see under **HYPOPITUITARISM**

SINDBIS VIRUS

Proposed nomenclature for alphavirus polypeptides. **J Gen Virol** 30(2):273, Feb 76

[Infection of mice with Sindbis virus during pregnancy] Dąmbska M, et al. **Neuropatol Pol** 14(1):81–4, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

ANALYSIS

Mapping of poly(A) sequences in the electron microscope reveals unusual structure of type C oncornavirus RNA molecules. Bender W, et al. **Cell** 7(4):595–607, Apr 76

5' nucleotide sequence of sindbis viral RNA. Hefti E, et al. **J Virol** 17(1):149–59, Jan 75

Microviscosity of togavirus membranes studied by fluorescence depolarization: influence of envelope proteins and the host cell. Moore NF, et al. **J Virol** 19(1):126–35, Jul 76

Virus-dependent glycosylation. Sefton BM. **J Virol** 17(1):85–93, Jan 75

Polyadenylic acid size and position found in Sindbis virus genome and mRNA species. Deborde DC, et al. **Virology** 72(1):80–8, 1 Jul 76

Sialic acid contents of sindbis virus from vertebrate and mosquito cells. Equivalence of biological and immunological viral properties. Stollar V, et al. **Virology** 69(1):104–15, Jan 76

GROWTH & DEVELOPMENT

Genetic exclusion and stable complementation of Sindbis virus. Brawner TA, et al. **Arch Virol** 50(3):177–87, 1976

Interferon induction by viruses and polynucleotides: a differential effect of comptothecin. Atherton KT, et al. **J Gen Virol** 29(3):297–304, Dec 75

The induction of interferon by temperature-sensitive mutants of Sindbis virus: its relationship to double-stranded RNA synthesis and cytopathic effect. Atkins GJ, et al. **J Gen Virol** 30(2):157–65, Feb 76

Role of the immune response in age-dependent resistance of mice to encephalitis due to Sindbis virus. Griffin DE. **J Infect Dis** 133(4):456–64, Apr 76

Morphogenesis of Sindbis virus in cultured Aedes albopictus cells. Gliedman JB, et al. **J Urol** 16(4):913–26, Oct 75

Interfering passages of Sindbis virus: concomitant appearance of interference, morphological variants, and truncated viral RNA. Johnston RE, et al. **J Urol** 16(4):951–8, Oct 75

Sindbis virus inhibits phosphatidylcholine biosynthesis in BHK–21 cells. Vance DE, et al. **J Urol** 16(4):1075–6, Oct 75

Failure of defective interfering particles of Sindbis virus produced in BHK or chicken cells to affect viral replication in Aedes albopictus cells. Igarashi A, et al. **J Virol** 19(2):398–408, Aug 76

Growth of enveloped RNA viruses in a line of chinese hamster ovary cells with deficient N-acetylglucosaminyltransferase activity. Schlesinger S, et al. **J Virol** 17(1):239–46, Jan 75

Sindbis virus replication in vertebrate and mosquito cells: an interpretation. Schlesinger RW. **Med Biol** 53(5):295–301, Oct 75 (23 ref.)

The effect of infection with Sindbis virus and its temperature-sensitive mutants on cellular protein and DNA synthesis. Atkins GJ. **Virology** 71(2):593–7, Jun 76

Inhibition of Sindbis virus replication by zinc ions. Bracha M, et al. **Virology** 72(1):272–7, 1 Jul 76

Defective interfering particles of Sindbis virus. III. Intracellular viral RNA species in chick embryo cell cultures. Guild GM, et al. **Virology** 67(1):24–41, Sep 75

Defective interfering particles of Sindbis virus. III. Intracellular viral RNA species in chick embryo cell cultures. Guild GM, et al. **Virology** 67(1):24–41, Sep 75

[Identification of a hemadsorbing agent discovered in uninfected mouse L cell cultures and also the same cultures chronically infected with Sindbis virus] Iakhno MA, et al. **Vopr Virusol** (1):50–6, Jan–Feb 76 **(Rus)**

IMMUNOLOGY

Purification of togavirus haemagglutinins by chromatography on controlled pore glass. Frisch-Niggemeyer W. **Acta Virol (Praha)** 19(5):381–6, Sep 75

Study on the mechanism of interference between Friend leukemia and Sindbis viruses in tissue culture. Pogodina VV, et al. **Neoplasma** 23(1):61–70, 1976

Antigenic characterization of two sindbis envelope glycoproteins separated by isoelectric focusing. Dalrymple JM, et al. **Virology** 69(1):93–103, Jan 76

[Use of sindbis virus as a means of checking complete elimination of unspecific inhibitors in the rubella hemagglutination inhibition test (author's transl)] Schneweis KE, et al. **Z Immunitaetsforsch** 144(1):75–87, Jul 72 **(Ger)**

ISOLATION & PURIFICATION

[The absence of Sindbis virus from French Polynesia] Kaeuffer H, et al. **Bull Soc Pathol Exot** 68(3):259–62, May–Jun 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Methylation of Sindbis virus '26S' messenger RNA. Dubin DT, et al. **Biochem Biophys Res Commun** 66(4):1373–9, 27 Oct 75

Initiation sites for translation of sindbis virus 42S and 26S messenger RNAs. Cancedda R, et al. **Cell** 6(2):215–22, Oct 75

Sindbis virus glycoproteins: effect of the host cell on the oligosaccharides. Keegstra K, et al. **J Virol** 16(3):613–20, Sep 75

Effect of cycloheximide on viral precursor protein B in Sindbis virus-infected BHK cells. Duda E. **Med Biol** 53(5):368–71, Oct 75

The effect of canavanine on the capsid protein of Sindbis virus. Duda E. **Med Biol** 53(5):365–7, Oct 75

Function of Sindbis virus 49S and 26S RNAs in in vitro protein synthesizing systems. A summary. Schlesinger MJ. **Med Biol** 53(5):380–2, Oct 75

Defective particles in alphavirus infections. Schlesinger S, et al. **Med Biol** 53(5):372–9, Oct 75

[The length of polyadenylic acid tracts of Sindbis virus RNA: the possible existence of two synthetic mechanisms] Pisano MR, et al. **C R Acad Sci [D] (Paris)** 280(8):1023–6, 24 Feb 75 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Variants of the HR strain of Sindbis virus lethal for mice. Boone LR, et al. **J Gen Virol** 31(2):261–3, May 76

ULTRASTRUCTURE

Crystalline arrays of nucleocapsids in Sindbis virus-infected L cells. Wagner B, et al. **Intervirology** 5(1–2):103–7, 1975

Enveloped virus acquires membrane defect when passaged in fibroblasts from I-cell disease patients. Sly WS, et al. **Proc Natl Acad Sci USA** 73(7):2443–7, Jul 76

SINGLE PERSON

The young adult. Adjusting to single parenting. Dresen S. **Am J Nurs** 76(8):1286–9, Aug 76

Premarital sexual attitudes of unmarried university students: 1968 vs. 1972. Bauman KE, et al. **Arch Sex Behav** 5(1):29–37, Jan 76

Breast cancer rates in populations of single women. Hems G, et al. **Br J Cancer** 31(1):118–23, Jan 75

Living arrangements of widows in the United States and Israel, 1960 and 1961. Chevan A, et al. **Demography** 12(3):505–18, Aug 75

The fall in household size and the rise of the primary individual in the United States. Kobrin FE. **Demography** 13(1):127–38, Feb 76 (Eng. Abstr.)

Divorce and the single life: divorce as development. Singer LJ. **J Sex Marital Ther** 1(3):254–62, Spring 75

A method of computing period rates of spinsterhood and childlessness from census data applied to the United States. Das Gupta P. **Soc Biol** 22(2):134–43, Summer 75

Where are the unmarried Canadians? **Stat Bull Metropol Life Ins Co** 56:2–4, Jul 75

SINGOSERP see **SYROSINGOPINE**

SINO-ATRIAL NODE

Origin of the sinoatrial node and atrioventricular node arteries in right, mixed, and left inferior emphasis systems. Vieweg WV, et al. **Cathet Cardiovasc Diagn** 1(4):361–73, 1975

Protection of the sinus node in Mustard's operation. El-Said GM, et al. **Circulation** 53(5):788–91, May 76

Systemic embolism in chronic sinoatrial disorder. Fairfax AJ, et al. **N Engl J Med** 295(4):190–2, 22 Jul 76

[Sick-sinus syndrome—disease affecting the sinus node] Hamet A, et al. **Vnitr Lek** 21(8):761–70, Aug 75 (Eng. Abstr.) **(Cze)**

[Treatment of disorders in sinus rhythm (so-called sick sinus syndrome) using long-term directed cardiostimulation] Simíček J, et al. **Vnitr Lek** 21(8):771–7, Aug 75 (Eng. Abstr.) **(Cze)**

[Vascularization of the sino-atrial and atrioventricular nodes] Christides C, et al. **Arch Mal Coeur** 68(12):1237–42, Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Sinus bradycardia and sino-atrial conduction] Bleifeld W. **Med Klin** 70(23):993, 6 Jun 75 **(Ger)**

[Pathophysiology and diagnosis of bradyarrhythmias in sick sinus syndrome] Angehrn W, et al. **Schweiz Med Wochenschr** 106(12):401–6, 20 Mar 76 (Eng. Abstr.) **(Ger)**

[Methodological problems in the determination of 'sino-atrial conduction time ' in man] Seipel L, et al. **Verh Dtsch Ges Kreislaufforsch** 41:383–6, 1975 **(Ger)**

[Sinus node syndrome] Blömer H, et al. **Z Kardiol** 64(8):697–721, Aug 75 (133 ref.) (Eng. Abstr.) **(Ger)**

[Sinus node automaticity and sinoatrial conduction] Seipel L, et al. **Z Kardiol** 64(11):1014–22, Nov 75 (Eng. Abstr.) **(Ger)**

[Permanent bifocal electric stimulation in the treatment of the bradycardia-tachycardia syndrome in the disease of the sino-atrial node] Lotto A, et al. **Boll Soc Ital Cardiol** 18(9):835–8, 1973 **(Ita)**

[Pharmacological treatment of sino-atrial node function disorders] Gamski M. **Kardiol Pol** 19(2):89–93, 1976 **(Pol)**

[Some aspects of selection of cases of sinus node failure for conservative treatment] Wrabec K, et al. **Pol Tyg Lek** 31(7):273–5, 16 Feb 76 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

[Unusual origin of the sino-atrial artery node from the left auricular circumflex artery] Domenech Matéu JM, et al. **Rev Esp Cardiol** 28(4):357–60, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Topographic and histological study of the sinoatrial node in the Jaffarabadi buffalo (Babalus bubalis Linnaeus, 1758)] Borelli V. **Acta Anat (Basel)** 92(1):122–8, 1975 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Proceedings: Electrical characteristics of the sinus node cells. Seyama K. **J Physiol Soc Jpn** 36(8–9):326, 1 Sep 74

[Proceedings: Pacemaker potential and pacemaker cells] Goto K, et al. **J Physiol Soc Jpn** 36(8–9):325, 1 Sep 74 **(Jpn)**

DRUG EFFECTS

Sinus slowing produced by intracoronary arterial injections of hyperosmotic solutions in man. Abe S, et al. **Am Heart J** 91(3):339–45, Mar 76

Improved sinus node sensing after atropine. Bissett JK, et al. **Am Heart J** 91(6):752–6, Jun 76

New observations on the effects of atropine on the sinoatrial and atrioventricular nodes in man. Das G, et al. **Am J Cardiol** 36(3):281–5, Sep 75

Effects of angiographic contrast media on sino-atrial nodal function. White CW, et al. **Cardiovasc Res** 10(2):214–23, Mar 76

Electrophysiologic effects of propranolol on sinus node function in patients with sinus node dysfunction. Strauss HC, et al. **Circulation** 54(3):452–9, Sep 76

The effect of atropine on calculated sinoatrial conduction time in man. Breithardt G, et al. **Eur J Cardiol** 4(1):49–57, Mar 76

The electrophysiological effects of ouabain on sinus node and atrium in man. Dhingra RC, et al. **J Clin Invest** 56(3):555–62, Sep 75

Onset of chronotropic effects of nicotinic drugs and tyramine on the sinoatrial pacemaker in chick embryo heart: relationship to the development of autonomic neuroeffector transmission. Pappano AJ. **J Pharmacol Exp Ther** 196(3):676–84, Mar 76

Onset of chronotropic effects of nicotinic drugs and tyramine on the sino-atrial pacemaker in chick embryo heart: relationship to the development of autonomic neuroeffector transmission. Pappano AJ. **J Pharmacol Exp Ther** 196(3):676–84, Mar 76

Effect of verapamil on electrical activities of SA node, ventricular muscle and Purkinje fibers in isolated rabbit hearts. Okada T. **Jpn Circ J** 40(4):329–41, Apr 76

Differences in chronotropic and inotropic responses of canine atrial muscle and SA node pacemaker activity to adenosine and ACh. Chiba S. **Jpn Heart J** 17(1):73–9, Jan 76

Positive and negative chronotropic response of the S–A node to oxyfedrine. Sakai K, et al. **Jpn J Pharmacol** 25(5):573–81, Oct 75

Effects of calcium ion on the rising phase of the action potential in rabbit sinoatrial node cells. Noma A, et al. **Jpn J Physiol** 26(1):93–9, 1976

Effects of dopamine on the sinus rate and contraction of the canine isolated atrium preparation. Chiba S. **Proc West Pharmacol Soc** 18:23–6, 1975

[Action of droperidol on the ionic currents and the contraction of the sino-auricular fiber of frogs. Study of its anti-arrhythmic properties] Mironneau C, et al. **J Physiol (Paris)** 70(1):27–39, May 75 (Eng. Abstr.) **(Fre)**

[Effect of atropine, propafenon and disopyramide on 'sino-atrial conduction time' in man] Breithardt G, et al. **Verh Dtsch Ges Inn Med** 81:1634–7, 1975 **(Ger)**

[The effect of drugs on 'sino-atrial conduction time' and on sinus-node automaticity in man] Breithardt G, et al. **Z Kardiol** 64(10):895–906, Oct 75 (Eng. Abstr.) **(Ger)**

[Monochloracetylajmaline effect on the automatism of the sinus node] Dini P, et al. **Boll Soc Ital Cardiol** 18(12):1273–6, 1973 (Eng. Abstr.) **(Ita)**

[Proceedings: Effects of verapamil on electric potentials of myocardial cells of rabbits] Okada T, et al. **Jpn Circ J** 39(7):867, Jul 75 **(Jpn)**

INNERVATION

Role of sinoatrial ring bundle in internodal conduction. Hiraoka M, et al. **Am J Physiol** 231(2):319–25, Aug 76

METABOLISM

Inhibitory action of acetylcholine on potassium uptake of the sinus node. Musso E, et al. **Cardiovasc Res** 9(4):490–7, Jul 75

PHYSIOLOGY

Comparison of the effects of atrial and ventricular stimulation on sinus node function in man. Bissett JK, et al. **Am Heart J** 92(4):459–64, Oct 76

Sinus nodal responses to atrial extrastimuli in patients without apparent sinus node disease. Dhingra RC, et al. **Am J Cardiol** 36(4):445–52, 6 Oct 75

Intra-SA-nodal pacemaker shifts induced by autonomic nerve stimulation in the dog. Goldberg JM. **Am J Physiol** 229(4):1116–23, Oct 75

The slow membrane channel as the predominant mediator of the excitation process of the sinoatrial pacemaker cell. Kohlhardt M, et al. **Basic Res Cardiol** 71(1):17–26, Jan–Feb 76

Analysis of sino–atrial conduction in man using premature atrial stimulation. Masini G, et al. **Cardiovasc Res** 9(4):498–508, Jul 75

Sinoatrial transmission and atrial invasion during normal rhythm in the rabbit heart. Masuda MO, et al. **Circ Res** 37(4):414–21, Oct 75

Spontaneous action potentials of cells in the canine sinus node. Woods WT, et al. **Circ Res** 39(1):76–82, Jul 76

Sinus node function in children. Factors influencing its evaluation. Yabek SM, et al. **Circulation** 53(1):28–33, Jan 76

A mathematical model of the vagally driven SA nodal pacemaker. Greco EC Jr, et al. **IEEE Trans Biomed Eng** 23(3):192–9, May 76

Evidence for the existence of a rapid sodium channel in the membrane of rabbit sinoatrial cells. Kreitner D. **J Mol Cell Cardiol** 7(9):655–62, Sep 75

The effects of l-propranolol and practolol on atrial and nodal transmembrane potentials. Freeman SE, et al. **J Pharmacol Exp Ther** 195(1):133–9, Oct 75

Characteristics of the rectifying properties of the sino–atrial node cell of the rabbit. Seyama I. **J Physiol (Lond)** 255(2):379–97, Feb 76

Effect of verapamil on electrical activities of SA node, ventricular muscle and Purkinje fibers in isolated rabbit hearts. Okada T. **Jpn Circ J** 40(4):329–41, Apr 76

Effects of Na+ and K+ on the resting membrane potential of the rabbit sinoatrial node cell. Noma A, et al. **Jpn J Physiol** 25(3):207–302, 1975

Contribution of an electrogenic sodium pump to the membrane potential in rabbit sinoatrial node cells. Noma A, et al. **Pfluegers Arch** 358(4):289–301, 12 Aug 75

Membrane currents in the rabbit sinoatrial node cell as studied by the double microelectrode method. Noma A, et al. **Pfluegers Arch** 364(1):45–52, 29 Jun 76

[Electrical activity in the region of the sino–atrial node. Experimental study] Théry C, et al. **Arch Mal Coeur** 69(7):661–9, Jul 76 (Eng. Abstr.) **(Fre)**

[Methodological problems in the determination of 'sino–atrial conduction time ' in man] Seipel L, et al. **Verh Dtsch Ges Kreislaufforsch** 41:383–6, 1975 **(Ger)**

[Programmed atrial stimulation in the study of sinoatrial conduction in normal subjects (author's transl)] Masini G, et al. **G Ital Cardiol** 5(5):675–85, 1975 (Eng. Abstr.) **(Ita)**

[Proceedings: Effects of prenylamine on atrial conduction and membrane potentials of the atrial node] Oguma K, et al. **Jpn Circ J** 39(7):881–2, Jul 75 **(Jpn)**

[New method of diagnosis arrhythmia. (4) Sinoatrial conduction time] Hiejima K. **Respir Circ (Tokyo)** 23(11):1004, Nov 75 **(Jpn)**

[Automatic activity of pacemaker cells in the atrioventricular valves of the rabbit heart] Makarychev VA, et al. **Biull Eksp Biol Med** 81(5):517–20, May 76 (Eng. Abstr.) **(Rus)**

[Study of the characteristics of sinus rhythm of the heart in healthy children and those with primary arterial hypertension by the method of intervalocardiography] Visokinskene GI, et al. **Pediatriia** (2):75–9, 1976 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

First-degree sinoatrial heart block: sinoatrial block in the sick–sinus syndrome. Engel TR, et al. **Am Heart J** 91(3):303–10, Mar 76

Spectrum of sinus node dysfunction in two siblings. Nordenberg A, et al. **Am Heart J** 91(4):507–12, Apr 76

Sinus node re–entry and sinus node tachycardia. Pahlajani DB, et al. **Am Heart J** 90(3):305–11, Sep 75

Sinus node re–entrant tachycardia in man. Weisfogel GM, et al. **Am Heart J** 90(3):295–304, Sep 75

Sinus and atrioventricular nodal reentrant tachycardia in the same patient. Paulay KL, et al. **Am J Cardiol** 36(6):810–6, Nov 75

Chronotropic responses to experimental ischemia of the canine sino auricular node. Chiba S, et al. **Arch Int Physiol Biochim** 84(1):81–8, Feb 76

Proceedings: Paroxysmal re–entry sinus tachycardia. Curry PV, et al. **Br Heart J** 38(3):311, Mar 76

Complete heart block. Studies of atrial and ventricular pacemaker site and function. Dighton DH. **Br Heart J** 37(11):1156–60, Nov 75

Comparative study of sinoatrial conduction time and sinus node recovery time. Steinbeck G, et al. **Br Heart J** 37(9):956–62, Sep 75

The effect of premature atrial depolarization on sinus node automaticity in man. Breithardt G, et al. **Circulation** 53(6):920–5, Jun 76

Electrophysiologic evaluation of sinus node function in patients with sinus node dysfunction. Strauss HC, et al. **Circulation** 53(5):763–76, May 76

Mechanism of reciprocating tachycardia initiated during sinus rhythm in concealed Wolff–Parkinson–White syndrome: report of a case. Sung RJ, et al. **Circulation** 54(2):338–44, Aug 76

Direct stimulation of the sinus node in man. A possible explanation for an unusual finding during premature atrial stimulation. Breithardt G, et al. **Eur J Cardiol** 3(4):323–8, Dec 75

Effects of the pacing site in sinus node reentrant tachycardia. Castellanos A, et al. **J Electrocardiol** 9(2):165–9, Apr 76

Sinus and A–V nodal dysfunction following myocardial infarction. Sinker D, et al. **J Electrocardiol** 8(3):281–3, Jul 75

Electrophysiological consideration on sick sinus syndrome. Konishi T. **Jpn Circ J** 40(3):194–201, Mar 76

Sinus node recovery time and abnormal postpacing phase in the aged patients with sick sinus syndrome. Okimoto T, et al. **Jpn Heart J** 17(3):290–301, May 76

[Second degre Wenckebach phenomenon. Electrocardiographic and clinical study apropos of 10 cases] Guérot C, et al. **Arch Mal Coeur** 68(11):1185–94, Nov 75 (Eng. Abstr.) **(Fre)**

[Study of sinus node function. Preliminary results] Medvedowsky JL, et al. **Arch Mal Coeur** 68(3):225–37, Mar 75 (Eng. Abstr.) **(Fre)**

[Sinus–node recovery time in the sick–sinus syndrome (author's transl)] Delius W, et al. **Dtsch Med Wochenschr** 100(45):2305–13, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Sinus–node recovery time in the sinus–node syndrome] Delius W, et al. **Verh Dtsch Ges Inn Med** 81:176–9, 1975 **(Ger)**

[Determination of sinoatrial conduction time in man—methods and results] Steinbeck G, et al. **Verh Dtsch Ges Inn Med** 81:179–82, 1975 **(Ger)**

[Examination of sinoatrial conduction through premature atrial stimuli via the esophagus] Richter G. **Z Kardiol** 64(10):907–18, Oct 75 (Eng. Abstr.) **(Ger)**

[Disorders of sinus node functions in myocardial infarct and acute coronary failure] Aleksandrow W, et al. **Kardiol Pol** 19(2):95–100, 1976 (Eng. Abstr.) **(Pol)**

[Physiopathology of the sino–atrial node dysfunction] Neto JC. **Arq Bras Cardiol** 29(2):141–9, Apr 76 **(Por)**

[Atrioventricular conduction and sinus node function in bilateral bundle branch block (author's transl)] Meruane J, et al. **Rev Med Chil** 103(12):828–32, DEC 75 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

[The junctions of the sinoatrial fascicle in frogs] Mazet F. **C R Acad Sci [D] (Paris)** 280(25):2873–6, 30 Jun 75 (Eng. Abstr.) **(Fre)**

SINOATRIAL BLOCK see under **HEART BLOCK**

SINTROM see **ACENOCOUMAROL**

SINUS ARRHYTHMIA see **ARRHYTHMIA, SINUS**

SINUS THROMBOSIS

COMPLICATIONS

Dural sinus occlusion in leukemia. David RB, et al. **Pediatrics** 56(5):793–6, Nov 75

[Carbuncle of the nose complicated by thrombosis of the cavernous sinus with a favorable outcome] Pavlovskiĭ VM. **Zh Ushn Nos Gorl Bolezn** (6):85–6, Nov–Dec 75 **(Rus)**

DIAGNOSIS

[Superior sagittal sinus thrombosis – with special reference to regional cerebral blood flow and brain scanning] Okada K, et al. **Clin Neurol (Tokyo)** 15(11):805–10, Nov 75 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Aseptic cavernous sinus thrombosis after internal carotid arterial occlusion in polycythaemia vera. Melamed E, et al. **J Neurol Neurosurg Psychiatry** 39(4):320–4, Apr 76

[Post–traumatic thrombosis of the superior longitudinal sinus] Kabey JM, et al. **Harefuah** 89(9):405–6, 2 Nov 75 (Eng. Abstr.) **(Heb)**

OCCURRENCE

Cavernous sinus thrombosis in Nigerians. Elegbeleye OO. **West Indian Med J** 24(2):94–6, Jun 75

SINUSITIS

Sinusitis. Colman BH. **Practitioner** 215(1290):725–31, Dec 75

Sinusitis — 1974. Bailey BJ. **Trans Pac Coast Otoophthalmol Soc** 55:15–27, 1974 (25 ref.)

[Diagnosis and therapy of sinusitis in premature children] Dubbert E. **Ther Ggw** 115(2):250–64, Feb 76 **(Ger)**

[Inflammation of the accessory nasal sinuses in young children] Shcherbatov II, et al. **Vestn Otorinolaringol** (3):66–71, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Case of pyocele of the frontal sinus in a 10–year–old boy] Zatsikha TV, et al. **Zh Ushn Nos Gorl Bolezn** (4):103, Jul–Aug 75 **(Rus)**

[Chronic sinusitis] Levy PINTO S, et al. **An Otorrinolaringol Ibero Am** 3(2):167–79, 1976 (Eng. Abstr.) **(Spa)**

[Sinusitis in the child. Evaluation and indication for surgical treatment] Shubich I, et al. **Bol Med Hosp Infant Mex** 33(2):323–34, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Sinusitis and periorbital infections complicating infectious mononucleosis. Sumaya CV, et al. **Am J Dis Child** 130(7):777, Jul 76

Primary immunoglobulin deficiency with recurrent sinusitis and prolonged steatorrhoea. Sewell JR. **Proc R Soc Med** 69(5):357–8, May 76

Chronic inflammatory lesions of the sphenoid sinus. Benton JS, et al. **Surg Neurol** 4(3):333–5, Sep 75

[Successfully treated orbital phlegmon caused by sinusitis] Bükkfalvy B. **Orv Hetil** 117(22):1343–4, 30 May 76 **(Hun)**

[Clinical and histological study of cyst forming maxillary sinusitis (author's transl)] Kimura T, et al. **J Otolaryngol Jpn** 78(8):721–8, 20 Aug 75 (Eng. Abstr.) **(Jpn)**

[Ocular and orbital complications in sinusitis] Betlejewski S, et al. **Klin Oczna** 45(8):849–55, Aug 75 (Eng. Abstr.) **(Pol)**

[Sinusopathic orbital thrombophlebitis] Glävan II, et al. **Rev Chir [Oftalmol]** 20(2):133–5, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Diagnosis and treatment of rhino–sinusogenic orbital suppurations] Mülfay V. **Rev Chir [Otorinolaringol]** 19(4):271–9, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Acute pneumonia in inflammatory diseases of the nasal accessory sinuses] Kirsanov IuV, et al. **Klin Med (Mosk)** 53(12):27–9, Dec 75 **(Rus)**

[Intraorbital complications in inflammatory diseases of the accessory nasal sinuses] Fotin AV, et al. **Vestn Otorinolaringol** (3):60–6, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Rhinogenic actinomycotic abscesses of the brain] Gladkiĭ NI, et al. **Vestn Otorinolaringol** (1):82–3, Jan–Feb 74 **(Rus)**

[Intracranial suppurative complications in acute purulent sinusitis] Nesterov DV, et al. **Vestn Otorinolaringol** (1):88–9, Jan–Feb 74 **(Rus)**

[Mental disorders in certain diseases of the accessory nasal sinuses and their complications] Valshenker PG. **Vestn Otorinolaringol** (1):79–80, Jan–Feb 74 **(Rus)**

[Complications of paranasal sinusitis] Mikhalkina AN, et al. **Zh Ushn Nos Gorl Bolezn** (5):87–90, Sep–Oct 75 **(Rus)**

[Diagnosis and treatment of allergic rhinosinusopathies] Tkeshelashvili LK, et al. **Zh Ushn Nos Gorl Bolezn** (3):78–80, May–Jun 75 **(Rus)**

[Rhinogenic abscess of the frontal lobe of the brain] Zhernovoĭ VP. **Zh Ushn Nos Gorl Bolezn** (5):101–2, Sep–Oct 75 **(Rus)**

[Unusual purulent meningitis as a complication of chronic exacerbating frontomaxillary sinusitis] Seratlić B, et al. **Med Pregl** 28(9–10):417–20, 1975 **(Ser)**

[Treatment of complicated acute and chronic inflammations of the paranasal sinuses in children] Stefanović P, et al. **Srp Arh Celok Lek** 103(4):257–63, Apr 75 **(Ser)**

DIAGNOSIS

Aspergillosis of the paranasal sinuses. Warder FR, et al. **Arch Otolaryngol** 101(11):683–5, Nov 75

Sinusitis of the maxillary antrum. Evans FO Jr, et al. **N Engl J Med** 293(15):735–9, 9 Oct 75

[Pseudotumoral ethmoiditis] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):527–30, Sep 75 **(Fre)**

[Echography of the paranasal sinuses (author's transl)] Mann W. **Arch Otorhinolaryngol (NY)** 211(2):145–7, 30 Nov 75 (Eng. Abstr.) **(Ger)**

[Value of some tests of elimination of substances introduced into the maxillary sinuses] Hociotă D, et al. **Rev Chir [Otorinolaringol]** 20(2):97–100, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Diagnosis of sinusitis] Shivarov KhP, et al. **Vestn Otorinolaringol** (3):80–2, May–Jun 74 **(Rus)**

[Diagnosis of cyst–like formations in the frontal sinuses in the practice of medical aviation expertise] Nakapkin OA. **Voen Med Zh** (8):69, Aug 75 **(Rus)**

[Thermistor thermometry of the walls of the maxillary sinus in the diagnosis of sinusitis] Diba SA. **Zh Ushn Nos Gorl Bolezn** (6):30–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The antibacterial effect of antibiotics in treatment of maxillary sinusitis. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(5–6):475–83, May–Jun 76

A comparative trial of doxycycline and ampicillin in the treatment of acute sinusitis. Agbim OG. **Chemotherapy** 21 Suppl 1:68–75, 1975

Sinusitis in paediatrics. pp. 327–36. Herz G, et al. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.**

Letter: Bisolvon. Bliss D. **Med J Aust** 2(18):726, 1 Nov 75

Sinusitis. Crumley RL. **Primary Care** 3(2):293–9, Jun 76

Evaluation of the antibiotic effect of treatment of maxillary sinusitis. Carenfelt C, et al. **Scand J Infect Dis** 7(4):259–64,

1975
Erythromycin stearate in acute maxillary sinusitis. Kalm O, et al. **Scand J Infect Dis** 7(3):209–17, 1975
[Treatment of sinusitis in childhood] Schmidt W. **Fortschr Med** 93(31):1567–9, 6 Nov 75 (Eng. Abstr.) **(Ger)**
[Value of the indications of antibiograms in the treatment of suppurated sinusitis] Hirizescu E, et al. **Rev Chir [Otorinolaringol]** 20(4):251–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[Experience in the treatment of sinusitis] Rovinskiĭ EE. **Zh Ushn Nos Gorl Bolezn** (2):98–9, Mar–Apr 76 **(Rus)**
[Our experiences in the treatment of maxillary sinusitis with Terracortril gel] Glavaš O, et al. **God Zb Med Fak Skopje** 17:523–31, 1971 **(Ser)**

ETIOLOGY

[Acute subdural hematoma in acute inflammation of paranasal sinuses] Holub M, et al. **Cesk Otolaryngol** 25(3):178–80, Jun 76 (Eng. Abstr.) **(Cze)**
[A case of maxillary sinusitis of dental origin] Aupois R. **Actual Odontostomatol (Paris)** (111):429–33, Sep 75 **(Fre)**
[Dentogenous sinusitis] Eder M. **Zahnaerztl Mitt** 65(10):504–6, 16 May 75 **(Ger)**
[Mycotic infection of the maxillary sinus] Mikaelsen T. **Tidsskr Nor Laegeforen** 95(27):1520–1, 30 Sep 75 (Eng. Abstr.) **(Nor)**
[Induction of odontogenic maxillary sinusitis by an experimental method in animals] Vasiluță I, et al. **Rev Chir [Stomatol]** 22(1):59–64, Jan–Mar 75 (Eng. Abstr.) **(Rum)**
[Diseases of the accessory nasal sinuses in patients with pulmonary tuberculosis] Avsianikov AP, et al. **Probl Tuberk** (8):85–6, 1975 **(Rus)**
[Acute disorder of the accessory nasal sinuses in mixed viral diseases] Grushinskaia IA, et al. **Vestn Otorinolaringol** (4):81–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunoglobulins in maxillary sinus secretion. Carenfelt C, et al. **Acta Otolaryngol (Stockh)** 82(1–2):123–30, Jul–Aug 76

MICROBIOLOGY

Bacterial and fungal infections of the maxillary sinus. Chapnik JS, et al. **Otolaryngol Clin North Am** 9(1):43–54, Feb 76
The importance of the anaerobic bacteria in paranasal sinusitis. van Cauwenberge P, et al. **Rhinology** 13(3):141–5, Nov 75
[Role of anaerobic bacteria in sinusitis] **Acta Otorhinolaryngol Belg** 29(4):613–20, 1975 (Eng. Abstr.) **(Dut)**
[Phycomycosis of the facial sinus] Cadar A, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(11–12):689–94, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[Bacterial flora of the maxillary sinuses during their chronic inflammation] Diskalenko VV, et al. **Zh Ushn Nos Gorl Bolezn** (2):84, Mar–Apr 75 **(Rus)**

PATHOLOGY

A human syndrome caused by immotile cilia. Afzelius BA. **Science** 193(4250):317–9, 23 Jul 76
[Sturcture and function of the mononuclear phagocytic system (MPS) in chronic rhinosinusitis. A light and electron microscopic investigation (author's transl)] Albegger KW. **Arch Otorhinolaryngol (NY)** 214(1):27–48, 31 AUG 76 (Eng. Abstr.) **(Ger)**
[Certain data of morphological and histochemical study of nasal secretion in chronic rhinitis and rhinosinusitis] Bykova VP. **Vestn Otorinolaringol** (5):62–6, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**
[Change in the mucous membrane of the accessory sinuses of the nose in some nonsuppurative neurological complications of paranasal sinusitis] Spokoinaia VA, et al. **Vestn Otorinolaringol** (6):79–82, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Clinical function tests of the maxillary sinus ostium. Rantanen T. **Acta Otolaryngol [Suppl] (Stockh)** (328):1–38, 1974
[Behavior of the maxillary sinuses after orthopedic jaw operations] Perko M. **Fortschr Kiefer Gesichtschir** 18:213–6, 1974 **(Ger)**
[Dynamics of certain indicators of body reactivity under the effect of sanatorium treatment of children with adenosinusopneumopathies] Druzhinin BN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (2):163–5, Mar–Apr 75 **(Rus)**
[Hearing function in diseases of the accessory nasal sinuses] Airapetian NP. **Zh Eksp Klin Med** 15(3):76–9, 1975 **(Rus)**

RADIOGRAPHY

Chronic hypertrophic polypoid rhinosinusitis. Wilson M. **Radiology** 120(3):609–13, Sep 76
[Various aspects of the problem of children's maxillary sinusitis] Sláma K, et al. **Cesk Otolaryngol** 25(1):22–5, Feb 76 (Eng. Abstr.) **(Cze)**
[A round sinus image] Lascombe, et al. **J Fr Otorhinolaryngol** 24(8):623–4, Oct 75 **(Fre)**
[The diagnostic significance of contrast roentgenography in ethmoid sinusitis (author's transl)] Kaneko H. **J Otolaryngol Jpn** 79(2):163–74, Feb 76 (Eng. Abstr.) **(Jpn)**

SURGERY

Surgery for chronic hyperplastic rhinosinusitis. Friedman WH. **Laryngoscope** 85(12 pt 1):1999–2011, Dec 75
Thin rubber sheeting in frontal sinus surgery: animal and clinical studies. Neel HB, et al. **Laryngoscope** 86(4):524–36, Apr 76
Conservative surgical procedures in inflammatory disease of the maxillary sinus. Bell RD, et al. **Otolaryngol Clin North Am** 9(1):175–86, Feb 76
The surgery of frontal sinus infection. Du Preez SF, et al. **S Afr Med J** 49(46):1911–4, 1 Nov 75
Letter: The surgery of frontal sinus infection. Thomson JG. **S Afr Med J** 50(6):159, 7 Feb 76
Treatment of chronic unilateral frontal sinusitis by removal of the interfrontal septum. Pope TH Jr, et al. **South Med J** 69(6):755–6, Jun 76
[The puncture treatment in frontal sinusitis (author's transl)] Lange G, et al. **Laryngol Rhinol Otol (Stuttg)** 54(8):640–7, Aug 75 (Eng. Abstr.) **(Ger)**
[Osteoplastic flap used in surgery of the frontal sinus] Obreja S, et al. **Rev Chir [Otorinolaringol]** 20(1):15–8, Jan–Mar 75 (Eng. Abstr.) **(Rum)**
[Critical study of the surgical approach to the maxillary sinus, using an osteoplastic flap] Cbreja S, et al. **Rev Chir [Otorinolaringol]** 19(5):335–9, Oct–Dec 74 (Eng. Abstr.) **(Rum)**
[Frontotomy with restoration of the function of natural frontal–nasal canal] Bereznev AV, et al. **Vestn Otorinolaringol** (1):69–72, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Method of drainage of the maxillary sinus in the treatment of highmoritis] Bezshapochyĭ SB, et al. **Vestn Otorinolaringol** (2):102–3, Mar–Apr 76 **(Rus)**
[Some peculiarities of the surgical treatment of chronic rhinosinusitis in the aged] Magomedov GM. **Vestn Otorinolaringol** (6):8–11, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Treatment of chronic inflammatory diseases of the frontal sinuses by surgical obliteration of their cavities with formalinized cartilage and bone homotransplants] Melan'in VD, et al. **Vestn Otorinolaringol** (1):73–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Treatment of inflammatory diseases of the frontal sinuses by the method of trephinopuncture and long-term drainage] Trushin AA. **Zh Ushn Nos Gorl Bolezn** (4):89–90, Jul–Aug 75 **(Rus)**

THERAPY

Experiences on the sequela of maxillary sinusitis following closure of the causative oro–antral fistula. Baumann M, et al. **J Maxillofac Surg** 3(3):164–9, Sep 75
[Treatment of frontal sinusitis with punctures using Beck's method] Pabiszczak M. **Otolaryngol Pol** 29(4):385–8, 1975 (Eng. Abstr.) **(Pol)**
[Use of physical factors in the complex treatment of rhinosinusitis in children] Bespal'ko NN, et al. **Pediatriia** (4):60–3, Apr 75 (Eng. Abstr.) **(Rus)**
[Conservative treatment of chronic suppurative odontogenic maxillary sinusitis] Iankov NI, et al. **Voen Med Zh** (1):71–2, Jan 76 **(Rus)**
[Prolonged drainage of the antrum in suppurative otoantrits, antritis and exudative otitis media] Ovsiannikov MI, et al. **Zh Ushn Nos Gorl Bolezn** (5):84–5, Sep–Oct 75 **(Rus)**

URINE

[Clinical importance of color sedimentation reaction of urine in acute and chronic maxillary sinusitis] Stukalenko AA. **Vestn Otorinolaringol** (4):84–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Severe sinusitis in ducklings caused by influenza A virus. Tanyi J, et al. **Acta Vet Acad Sci Hung** 25(2–3):261–6, 1975
Comparative study of Mycoplasma pulmonis and Mycoplasma gallisepticum infections in turkey sinus. Sanger VL. **Am J Vet Res** 36(9):1401–2, Sep 75
Autogenous fat implantation as a treatment for chronic frontal sinusitis in a cat. Tomlinson MJ, et al. **J Am Vet Med Assoc** 167(10):927–30, 15 Nov 75
Treatment of fungal sinusitis with autogenous vaccine. (A case report). Foster JS, et al. **Vet Med Small Anim Clin** 71(7):920, Jul 76

SIOMYCINS see under **ANTIBIOTICS, ANTINEOPLASTIC**

SIPHONAPTERA

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazed for primary treatment: the influence of various factors on the frequency off side–effects. Aubert MF, et al. **Ann Parasitol Hum Comp** 51(1):143–56, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[Feeding and reproduction of XX Ctenophthalus wagneri Tifl., 1928 (Ctenophthalmidae, Siphonaptera) in experiments] Kosminskiĭ PB, et al. **Parazitologiia** 9(3):265–71, May–Jun 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Description of the third–instar larva of Monopsyllus wagneri (Baker) (Siphonaptera: Ceratophyllidae). Stark HE, et al. **J Med Entomol** 13(1):107–11, 29 May 76
[Ctenocephalus brygooi n. sp. (Siphonaptera, Pulicidae), a parasite of Malagasy endemic Viverrid Fossa fossans (Müller)] Beaucournu JC. **Bull Soc Pathol Exot** 67(4):435–43, Jul–Aug 74 **(Fre)**

CLASSIFICATION

Siphonaptera collected by Dr. M. Daniel in Nepal. Smit FG, et al. **Folia Parasitol (Praha)** 23(2):135–59, 1976
[2 new Dinopsyllus of Zaire (Siphonaptera, Hystrichopsyllidae)A1 Beaucournu JC, et al. **Ann Parasitol Hum Comp** 50(1):97–103, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Annotated list of siphonaptera from Morocco] Beaucournu JC, et al. **Bull Soc Pathol Exot** 68(1):83–90, Jan–Feb 75 **(Fre)**

SIRENOMELIA see under **ECTROMELIA**

SISOMICIN see under **ANTIBIOTICS**

SITOSTEROLS

Autoxidation of 24–R–ethylcholesterol. Dinner A, et al. **Lloydia** 39(2–3):144–6, Mar–Jun 76

ADMINISTRATION & DOSAGE

Effect of Beta–sitosterol on cholesterol–cholic acid–induced gallstone formation in mice. Goswami SK, et al. **Am J Gastroenterol** 65(4):305–10, Apr 76

ANALYSIS

Chemical investigation of Antidesma ghesaembilla Gaertn. Garain AK, et al. **Bull Calcutta Sch Trop Med** 21(2):26, Apr 73

BIOSYNTHESIS

Letter: On the role of cycloartenol in the formation of phytosterols. Biosynthesis of (19–2H)sitosterol in deuterium oxide germinated peas. Caspi E, et al. **J Am Chem Soc** 97(17):5032–4, 20 Aug 75

BLOOD

Identification of beta–sitosterol, campesterol, and stigmasterol in human serum. Rao MK, et al. **Lipids** 10(9):566–8, Sep 75
Beta–sitosterolemia and xanthomatosis. Shulman RS, et al. **N Engl J Med** 294(9):482–3, 26 Feb 76
Beta–Sitosterolemia and xanthomatosis. **Nutr Rev** 34(6):172–4, Jun 76 (9 ref.)
Substrate specificity of lecithin:cholesterol acyltransferase. Esterification of desmosterol, b–sitosterol, and cholecalciferol in human plasma. Nordby G, et al. **Scand J Clin Lab Invest** 35(7):677–82, Nov 75

ISOLATION & PURIFICATION

Chemical examination of Cassia javanica. Joshi KC, et al. **Planta Med** 28(2):190–2, Oct 75
Phytochemical study of Euphorbia peplus. Khafagy SM, et al. **Planta Med** 27(4):387–94, Jun 75
Sterols of Yucca glauca tissue cultures and seeds. Stohs SJ, et al. **Planta Med** 27(3):257–61, May 75
Steroidal compounds and hydrocarbons of Verbascum lasianthum. Ulubelen A, et al. **Planta Med** 27(1):14–7, Feb 75
[The occurrence of cumarins and sterols in tissue–cultures of roots of Anethum graveolens and Pimpinella anisum (author's transl)] Kartnig V, et al. **Planta Med** 27(1):1–13, Feb 75 (Eng. Abstr.) **(Ger)**
[Studies on the constituents of Tripetaleia paniculata Sieb. et Zucc. IV. On the constituents of the wood. (2). Structure of Lyoniside (author's transl)] Sakakibara J, et al. **J Pharm Soc Jpn** 94(11):1377–83, Nov 74 (Eng. Abstr.) **(Jpn)**

METABOLISM

Metabolism of (14C) beta–sitosterol injected at various stages of the molting cycle in prawn Penaeus japonicus Bate. Kanazawa A, et al. **Comp Biochem Physiol [B]** 54(2):205–8, 1976
Neutral steroid losses and cholesterol absorption in gnotobiotic Baboons. Mott GE, et al. **Exp Mol Pathol** 24(3):333–45, Jun 76
Conversion of 7alpha–hydroxycholesterol and 7alpha–hydroxy–beta–sitosterol to 3alpha, 7alpha–dihydroxy– and 3alpha, 7alpha, 12alpha–trihydroxy–5beta–steroids in vitro. Aringer L. **J Lipid Res** 16(6):426–33, Nov 75
Side chain hydroxylation of cholesterol, campesterol and beta–sitosterol in rat liver mitochondria. Aringer L, et al. **J Lipid Res** 17(3):263–72, May 76

THERAPEUTIC USE

Effects of sitosterol therapy on plasma lipid and lipoprotein concentrations. pp. 117–24. Lees RS, et al. **In: Greten H, ed. Lipoprotein metabolism. Berlin, Springer, 1976. QU 85 S989L 1975.**

Sitosterol in type II hyperlipoproteinemia. pp. 125–30. Oster P, et al.
In: Greten H, ed. Lipoprotein metabolism. Berlin, Springer, 1976. QU 85 S989L 1975.
Letter: Beta-sitosterol and chenodeoxycholic acid in the treatment of cholesterol gallstones. Gerolami A, et al. **Lancet** 2(7937):721, 11 Oct 75
[Sitosterol in familial hyperlipoproteinemia type II. A randomized double-blind cross-over study] Oster P, et al. **Dtsch Med Wochenschr** 101(36):1308–11, 3 Sep 76 (Eng. Abstr.) **(Ger)**
[Beta-sitosterin in unsuccessfully pretreated patients with hypercholesteremia. Simultaneously, a contribution to dose dependence] Mühlfellner G, et al. **Med Klin** 71(18):775–8, 30 Apr 76 (Eng. Abstr.) **(Ger)**
[Proceedings: Biliary lithogensis and bile-acid metabolism under beta-sitosterol] Begemann F, et al. **Z Gastroenterol** 14(2):240, Mar 76 **(Ger)**

SITUATIONAL THERAPY see under **SOCIOENVIRONMENTAL THERAPY**

SITUS INVERSUS

[Letter: A complete situs inversus] Peumery JJ. **Nouv Presse Med** 5(11):715–6, 13 Mar 76 **(Fre)**

COMPLICATIONS

Situs inversus, subaortic and subpulmonic stenosis, ventricular septal defect, and single coronary artery. Kleinfeld M, et al. **Chest** 70(03):391–3, Sep 76
Inferior myocardial infarction in a patient with mirror-image dextrocardia and situs inversus totalis. Liem KL, et al. **Chest** 69(2):239–41, Feb 76
Perforated appendix in situs inversus viscerum. A case report. Pillay SP. **S Afr Med J** 50(5):141–3, 31 Jan 76
[A case of complex arrhythmia in a patient with true dextrocardia and situs inversus] Capritti AG. **Minerva Cardioangiol** 23(11):807–14, Nov 75 (Eng. Abstr.) **(Ita)**
[Umbilical hernia associated with situs inversus viscerum—a case report] Sugiki K, et al. **Jpn J Clin Radiol** 20(5):433–8, May 75 **(Jpn)**
[Patent ductus arteriosus associated with situs inversus] Fukusumi H, et al. **Jpn J Thorac Surg** 29(7):488–92, 1976 (Eng. Abstr.) **(Jpn)**
[Cholelithiasis in a patient with complete visceral situs inversus] Ruka W, et al. **Wiad Lek** 28(17):1503–5, 1 Sep 75 (Eng. Abstr.) **(Pol)**
[Strangulation of the small intestine in Treitz's hernia in sinistroposition of the colon] Borukhovskiĭ Ash. **Vestn Khir** 115(7):142–3, Jul 75 **(Rus)**
[Acute appendicitis in situs inversus totalis] Obořil L, et al. **Rozhl Chir** 55(6):419–22, Jun 76 **(Slo)**

DIAGNOSIS

[The polysplenia syndrome. Differential diagnosis of heart defects with cyanosis] Adrian B, et al. **Kinderaerztl Prax** 44(1):22–9, Jan 76 **(Ger)**
[Extremely rare case of situs inversus of the small and large intestines with complete preservation of the colonic mesentery] Doliński J, et al. **Wiad Lek** 29(5):417–21, 1 Mar 76 (Eng. Abstr.) **(Pol)**
[Bronchoscopic and bronchographic image in a patient with complete situs inversus of the internal organs and total cystic hypoplasia of the right lung] Removskiĭ VM. **Vrach Delo** (3):109–11, Mar 74 **(Rus)**
[Electro-ventorcardiographic manifestations of ventricular inversion with transposition of great arteries] Medrano GA, et al. **Arch Inst Cardiol Mex** 45(5):617–54, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial dextrocardia, divergent strabismus and situs inversus of optic disc. Fishman JE, et al. **Am J Med Sci** 271(2):225–31, Mar–Apr 76

RADIOGRAPHY

Arteriographic manifestations of abdominal situs inversus. Tegtmeyer CJ, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):427–30, Oct 75
Letter: Selective coronary arteriography in situs inversus totalis. Use of the Sones technique. Wells DE, et al. **Chest** 68(6):850–1, Dec 75

SURGERY

Complete correction of double-outlet right ventricle with situs inversus, 1-loop, and 1-malposition (I,L,L) with subaortic VSD and pulmonary stenosis. Stewart S, et al. **J Thorac Cardiovasc Surg** 71(1):129–33, Jan 76

VETERINARY

Hepatoencephalopathy associated with situs inversus of abdominal organs and vascular anomalies in a dog. Lohse CL, et al. **J Am Vet Med Assoc** 168(8):681–8, 15 Apr 76

SIZE PERCEPTION

The influence of shape on apparent area: a new demonstration. Foster JJ. **Acta Psychol (Amst)** 40(2):103–13, Apr 76
Information complexity and cross-modal functions. Freides D. **Br J Psychol** 66(3):283–7, Aug 75
Inspection time and measured intelligence. Nettelbeck T, et al. **Br J Psychol** 67(1):17–22, Feb 76
Relationship between conceptual judgements and stimulus dimensions among schizophrenics and normals. Neufeld RW. **Br J Soc Clin Psychol** 15(PT 1):85–91, Feb 76
Dimensional salience and judgments of bigness by three-year-old children. Bausano MK, et al. **Child Dev** 46(4):988–91, Dec 75
Perception as a possible source of conservation: evidence for length conservation. Silverman IW, et al. **Child Dev** 47(2): 427–33, Jun 76
The interpretation of conservation instructions by five-year-old children. Russell J. **J Child Psychol Psychiatry** 16(3):233–44, Jul 75
The size of human figure drawings of learning-disabled children. Black FW. **J Clin Psychol** 32(3):736–41, Jul 76
Dimensional dominance and stimulus discriminability. Fernandez D. **J Exp Child Psychol** 21(1):175–89, Feb 76
Visual transformation of size. Bundesen C, et al. **J Exp Psychol [Hum Percept]** 1(3):214–20, Aug 75
An experimental test of two mathematical models applied to the size-weight illusion. Sarris V, et al. **J Exp Psychol [Hum Percept]** 2(2):295–8, May 76
Conservation of length and the development of a size concept. Phye GD, et al. **J Genet Psychol** 128(First Half):67–76, Mar 76
The Honi phenomenon revisited: factors underlying the resistance to perceptual distortion of one's partner. Dion KL, et al. **J Pers Soc Psychol** 33(2):170–7, Feb 76
A discrepancy between two modes of haptic length perception. Hohmuth A, et al. **J Psychol** 92(first half):79–87, Jan 76
Anchor effects and figural aftereffects: a comparative psychophysical investigation. Abresch J, et al. **Percept Mot Skills** 41(3):791–6, Dec 75
Perceptual stability, image size, binocularity and creativity. Bergum BO, et al. **Percept Mot Skills** 41(2):667–71, Oct 75
Note on conservation differences for Indian and white children. Bowd AD. **Percept Mot Skills** 41(2):361–2, Oct 75
Socio-economic differences in size-judgments of discs and coins by Chinese primary VI children in Hong Kong. Dawson J. **Percept Mot Skills** 41(1):107–10, Aug 75
The Poggendorf illusion in stereoscopic space. Drobnis BJ, et al. **Percept Mot Skills** 42(1):15–8, Feb 76
Underestimation of length by subjects in motion. Harte DB. **Percept Mot Skills** 41(2):519–22, Oct 75
Effect of changes in fin-length on apparent shaft-length and depth in the Müller-Lyer illusion. Jaeger T. **Percept Mot Skills** 41(1):79–84, Aug 75
Effects of training in design on magnitude of the Müller-Lyer illusion. Letourneau JE. **Percept Mot Skills** 42(1):119–24, Feb 76
Stimulus length and orientation variables interact in peripheral motion perception. Mattson DL. **Percept Mot Skills** 43(1):95–8, Aug 76
Perceptions of height and self-esteem. Prieto AG, et al. **Percept Mot Skills** 40(2):395–8, Apr 75
Time delay in estimation of angles. Ross DA. **Percept Mot Skills** 42(2):625–6, Apr 76
Coin value and perceived size: a longitudinal study. Smith HV, et al. **Percept Mot Skills** 41(1):227–32, Aug 75
Dark adaptation and short-wavelength backgrounds decrease perceived size. Virsu V, et al. **Perception** 4(1):19–33, 1975
Perceived length and the Craik-O'Brien illusion. Crovitz HF. **Vision Res** 16(4):435, 1976
Linked changes in spatial integration, size discrimination, and increment threshold with change in background diameter. Matin L, et al. **Vision Res** 16(8):847–60, 1976
Apparent size and contrast. Weale RA. **Vision Res** 15:949–55, Aug–Sep 75

DRUG EFFECTS

[Effect of lithium on motor habit and on the conditioned reaction to the relative character of figure size in dogs] Sologub NM. **Fiziol Zh** 21(6):743–8, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Feedback versus motor programming in the control of aimed movements. Klapp ST. **J Exp Psychol [Hum Percept]** 104(2):161–9, May 75
Perceptual reactance and melanic density. Mahoney J, et al. **Percept Mot Skills** 42(3):783–8, Jun 76
Target size and luminance in apparent brightness of the peripheral visual field. Osaka N. **Percept Mot Skills** 41(1):49–50, Aug 75
The Müller-Lyer figure and the fly. Geiger G, et al. **Science** 190(4213):479–80, 31 Oct 75
Saccadic eye movements on Béla Julesz' figure. Dimitrov G, et al. **Vision Res** 16(4):411–4, 1976
A verification of Weber's law for visual discrimination of disc sizes in the Bering Sea spotted seal, Phoca largha. Wartzok D, et al. **Vision Res** 16(8):819–22, 1976

SJOGREN'S SYNDROME

[Gougerot-Sjögren syndrome] Turiaf J, et al. **Ann Med Interne (Paris)** 126(6-7):509–14, Jun–Jul 75 **(Fre)**
[The Sjögren-Gougerot syndrome] Perrier M. **Schweiz Monatsschr Zahnheilkd** 86(6):630–3, Jun 76 (Eng. Abstr.) **(Fre)**
[Data on a case of Sjögren's syndrome] Nuță M. **Rev Chir [Oftalmol]** 19(4):297–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[Sjogren's syndrome with multineuritis] López F, et al. **Arch Neurobiol (Madr)** 38(4):405–12, Jul–Aug 75 (Eng. Abstr.) **(Spa)**
[A case of Sjögren's syndrome] Candel Monserrate I, et al. **Rev Clin Esp** 138(3):267–70, 15 Aug 75 **(Spa)**
[Houwer-Gougerot-Sjögren's syndrome] Monserrate IC, et al. **Rev Clin Esp** 138(3):201–11, 15 Aug 75 (28 ref.) **(Spa)**
[Sjögren's syndrome] Hernández LA, et al. **Rev Esp Reum Enferm Osteoartic** 19(1):51–74, 1976 **(Spa)**

COMPLICATIONS

SLE precipitated by antibiotics in a patient with Sjøgren's syndrome and rheumatoid arthritis. Grennan DM, et al. **Br Med J** 4(5993):385, 15 Nov 75
Letter: SLE precipitated by antibiotics in Sjogren's syndrome. Grennan DM. **Br Med J** 1(6007):460, 21 Feb 76
Reticulum cell sarcoma in the course of Sjögren's syndrome. Haritopoulos NC, et al. **Int Surg** 60(8):423–4, Aug 75
Symptomatic Sjögren's syndrome in mixed connective tissue disease. Alarcon-Segovia D. **J Rheumatol** 3(2):191–5, Jun 76
Sjögren's syndrome terminating as a myeloproliferative disorder. DeCoteau WE, et al. **J Rheumatol** 2(3):331–5, Sep 75
Sjogrens syndrome and thyrotoxicosis. Shahid M, et al. **JPMA** 25(8):212–4, Aug 75
Sjogrens syndrome and thyrotoxicosis. Shahid M, et al. **JPMA** 25(8):212–4, Aug 75
Sjögren's syndrome and serous otitis media. Michel RG, et al. **Laryngoscope** 86(7):996–1003, Jul 76
Letter: Reticulum-cell sarcoma and Sjögren's syndrome in a patient treated with azathioprine. Slater A, et al. **N Engl J Med** 294(1):51, 1 Jan 76
Sjogren's syndrome and drug reaction to practalol. Dunn PJ. **NZ Med J** 82(548):199–201, 24 Sep 75
Sjögren's syndrome. Its relationship with connective tissue disease and factors affecting the visual prognosis. Wright P. **Trans Ophthalmol Soc UK** 94(3):764–72, Sep 74
Letter: Sjögren's syndrome with light chain myeloma. Shearn MA, et al. **West J Med** 123(6):496–7, Dec 75
[A case of hyperthryroidism associated with Gougerot-Sjögren syndrome] Dry J, et al. **Ann Med Interne (Paris)** 126(6-7):487–90, Jun–Jul 75 **(Fre)**
[Relapsing parotitis: onset of Sjögren's syndrome] Dumas R, et al. **Arch Fr Pediatr** 32(5):461–9, May 75 (Eng. Abstr.) **(Fre)**
[Waldenstrom's disease associated with Sjögren's syndrome. Double IgM population (lambda and kappa). Response to chlorambucil] Becq-Giraudon B, et al. **Nouv Presse Med** 5(3):137–8, 17 Jan 76 **(Fre)**
[Correlation between scleroderma and Sjogren's syndrome. Value of systematic biopsy of the labial salivary glands] Fiessinger JN, et al. **Nouv Presse Med** 4(45):3177–80, 27 Dec 75 (Eng. Abstr.) **(Fre)**
[Letter: Malignant rheumatoid polyarthritis with Sjögren's syndrome, monoclonal immunoglobin and glomerulonephritis] Roques CF, et al. **Nouv Presse Med** 5(4):215, 24 Jan 76 **(Fre)**
[Salivary pathology in children] Cosif C. **Rev Stomatol Chir Maxillofac** 77(2):337–40, Mar 76 **(Fre)**
[Lymphoproliferative diseases and paraproteinemias in Sjogren's syndrome] Bolognini G, et al. **Schweiz Med Wochenschr** 105(45):1493–505, 8 Nov 75 (Eng. Abstr.) **(Ger)**
[Myasthenia with Sjogren's syndrome and thymoma – clinical evaluation of myasthenic syndrome] Saito M, et al. **Clin Neurol (Tokyo)** 15(11):811–6, Nov 75 (Eng. Abstr.) **(Jpn)**
[A case of Sjögren's syndrome associated with renal tubular acidosis, medullary sponge kidney and multiple immunological abnormalities (author's transl)] Waseda N, et al. **J Jpn Soc Intern Med** 64(6):552–7, 10 Jun 75 **(Jpn)**
[Sjögren's syndrome with progressive systemic sclerosis and primary diabetes in a 12-year-old girl] Wesolowska H, et al. **Reumatologia** 13(3):215–9, 1975 (Eng. Abstr.) **(Pol)**
[Sjogren's syndrome with multineuritis] López F, et al. **Arch Neurobiol (Madr)** 38(4):405–12, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Letter: Renal lesion of lupus vs. Sjögren's syndrome. McCluskey RT. **N Engl J Med** 294(18):1008–9, 29 Apr 76
[Proceedings: Encephalopathy with ichthyosis and neurologic symptoms: Sjögren-Larssen syndrome?] Brunel D, et al. **Arch Fr Pediatr** 32(6):580–1, Jun–Jul 75 **(Fre)**
[Systematic study of sequential salivary gland scintigraphy during rheumatoid arthritis and collagenosis. Apropos of 150 examinations] Rampon S, et al. **Rev Rhum Mal Osteoartic** 42(3):185–94, Mar 75 (Eng. Abstr.) **(Fre)**
[Technetium uptake in the parotid gland. Value of functional

parameters in Sjögren's syndrome] Havlik E, et al. **Nuklearmedizin** 15(3):142–5, Jun 76 (Eng. Abstr.) **(Ger)**

[Sjögren–Larsson syndrome] Fehlow P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(6):341–7, Jun 75 (Eng. Abstr.) **(Ger)**

[The role of sialochemical studies in the diagnosis of Sjögren syndrome] Benedek E, et al. **Orv Hetil** 116(48):2822–5, 30 Nov 75 **(Hun)**

DRUG THERAPY

Letter: SLE precipitated by antibiotics in Sjögren's syndrome. Sewell JR. **Br Med J** 1(6002):152–3, 17 Jan 76

Sicca syndrome. Treatment. Adair R, et al. **J Kans Med Soc** 77(1):9–11, Jan 76

[A case of Sjögren's syndrome associated with macroglobulinemia which responded excellently to chlorambucil] Ota H, et al. **Jpn J Clin Hematol** 15(12):1353–61, Dec 74 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Changes in serum salivary isoamylases in Sjögren's Syndrome. Wolf RO, et al. **Am J Clin Pathol** 65(6):1022–5, Jun 76

ETIOLOGY

Gougerot–Sjögren syndrome and sarcoidosis. Turiaf J, et al. **Ann NY Acad Sci** 278:401–5, 1976

[Sjögren's syndrome in the course of rheumatoid arthritis] Miko M, et al. **Reumatizam** 22(5):182–8, 1975 **(Cro)**

[Gougerot–Sjögren syndrome in patients with sarcoidosis] Turiaf J, et al. **Nouv Presse Med** 5(10):625–7, 6 Mar 76 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Familial Sjögren's syndrome with associated primary salivary gland lymphoma. Lichtenfeld JL, et al. **Am J Med** 60(2):286–92, Feb 76 (44 ref.)

IMMUNOLOGY

Differentiation and characterization of autoantibodies and their antigens in Sjögren's syndrome. Alspaugh MA, et al. **Arthritis Rheum** 19(2):216–22, Mar–Aor 76

Association of Sjögren's syndrome with HLA–B8. Fye KH, et al. **Arthritis Rheum** 19(5):883–6, Sept–Oct 76

Immunological and virological studies of cultured labial biopsy cells from patients with Sjögren's syndrome. Cremer NE, et al. **Clin Exp Immunol** 18(2):213–24, Oct 74

Clinical and immunological aspects of keratoconjunctivitis sicca. Singla RK, et al. **Indian J Ophthalmol** 22(4):10–5, Dec 74

Beta2 microglobulin and lymphocytic infiltration in Sjögren's syndrome. Michalski JP, et al. **N Engl J Med** 293(24):1228–31, 11 Dec 75

Increased frequency of HL–A8 in Sjogren's syndrome. Gershwin ME, et al. **Tissue Antigens** 6(5):342–6, Nov 75

HL–A in Sjögren's syndrome. Iványi D, et al. **Tissue Antigens** 7(1):45–51, Jan 76

[Clinical and immunological findings in 42 patients with Sjögren's syndrome (author's transl)] Aguilera S, et al. **Rev Med Chil** 103(8):532–6, Aug 75 (Eng. Abstr.) **(Spa)**

METABOLISM

A sialochemical study on patients with Sjögren's syndrome. Benedek–Spät E, et al. **Arch Oral Biol** 20(10):649–52, Oct 75

The glycoprotein (mucus)content of tears from normals and dry eye patients. Dohlman CH, et al. **Exp Eye Res** 22(4):359–65, Apr 76

Sialochemistry in Sjögren's syndrome. Mandel ID, et al. **Oral Surg** 41(2):182–7, Feb 76

PATHOLOGY

Pulmonary manifestations of Sjögren's syndrome. Strimlan CV, et al. **Chest** 70(03):354–61, Sep 76

[Sjogren's syndrome and changes of the labial gland] Nasu M. **J Jpn Stomatol Soc** 42(2):214, Jun 75 **(Jpn)**

PHYSIOPATHOLOGY

Abnormal esophageal motility in primary Sjögren's syndrome. Ramirez–Mata M, et al. **J Rheumatol** 3(1):63–9, Mar 76

RADIOGRAPHY

Application of xeroradiography in sialography. Ferguson MM, et al. **Int J Oral Surg** 5(4):176–9, Aug 76

[Effect of lipiodol used in diagnostic sialography upon thyroid function in patients with Sjögren's syndrome (author's transl)] Aguilera S, et al. **Rev Med Chil** 103(8):537–40, Aug 75 (Eng. Abstr.) **(Spa)**

[Sialographic exam in 100 normal subjects and in 42 patients with Sjogren's syndrome (author's transl)] Ramirez J, et al. **Rev Med Chil** 103(8):527–31, Aug 75 (Eng. Abstr.) **(Spa)**

SURGERY

[Parotidectomy in Sjogren–Houwers–Gougerot syndrome] Timosca G, et al. **Rev Stomatol Chir Maxillofac** 76(8):631–42, Dec 75 (Eng. Abstr.) **(Fre)**

[Extreme bilateral parotidomegaly and its surgical treatment] György S. **Orv Hetil** 117(26):1585–6, 27 Jun 76 **(Hun)**

SKATING see under **SPORTS**

SKATOLE see under **INDOLES**

SKELETAL AGE MEASUREMENT see **AGE DETERMINATION BY SKELETON**

SKF 525–A see **PROADIFEN**

SKID ROW ALCOHOLICS

Criminality among homeless men. Lindelius R, et al. **Br J Addict** 71(2):149–53, Jun 76

Friendship and disaffiliation among the skid row population. Rooney JF. **J Gerontol** 31(1):82–8, Jan 76

The vagrant alcoholic. Pollak B. **Proc R Soc Med** 68(1):13–6, Jan 75

[Homeless men—a sociopsychiatric and clinical study] Borg S. **Lakartidningen** 73(21):2035–7, 19 May 76 (Eng. Abstr.) **(Swe)**

MORTALITY

Mortality among homeless men. Alstrom CH, et al. **Br J Addict** 70(3):245–52, Sep 75

REHABILITATION

Detoxication—an evaluation. Ritson EB. **Br J Addict** 70 Suppl 1:65–73, Apr 75

An analysis of chronic drunkenness offenders with implications for behavioral intervention. Miller PM. **Int J Addict** 10(6):995–1005, 1975

Policy lessons of the Uniform Act; a response to comments. Regier M, et al. **J Stud Alcohol** 37(3):382–92, Mar 76

Prisons, shelters, and homeless men. Cumming E. **Psychiatr Q** 48(4):496–504, 1974

SKIING

Letter: Calamity averted. Eibel P. **Can Med Assoc J** 114(7):601, 3Apr 76

Cross–country. Emanuel E. **Can Med Assoc J** 114(6):508, 545, 20 Mar 76

Ski binding settings based on anthropometric and biomechanical data. Pope MH, et al. **Hum Factors** 18(1):27–32, Feb 76

Skiing injuries in Canada: a coast–to–coast study. Arnold IM, et al. **J Sports Med** 1(2):31–3, Jan–Feb 73

The ski 'safety' strap: a misnomer. Fagan CA, et al. **J Sports Med** 3(2):95–6, Mar–Apr 75

Water skiing hazards: nature and prevention. Grace N. **J Sports Med** 2(4):212–6, Jul–Aug 74

Ski injuries and equipment function. Johnson RJ, et al. **J Sports Med** 2(6):299–307, Nov–Dec 74

The biomechanics of children's ski bindings. Mack RP, et al. **J Sports Med** 2(3):154–62, May–Jun 74

'Helicopter' fracture. Ungersma JA, et al. **J Sports Med** 3(3):122–31, May–Jun 75

Letter: Ski injuries. Pope MH, et al. **JAMA** 234(8):807–8, 24 Nov 75

Decline of physiologic training effects during the competitive season in members of the U.S. Nordic ski team. Hanson JS. **Med Sci Sports** 7(3):213–6, Fall 75

Austrian antics. Hendry M, et al. **Nurs Times** 72(9):342–3, 4 Mar 76

First aid on the ski slopes. Allan JB. **Orthop Clin North Am** 7(1):251–3, Jan 76

Clinical and experimental experience in reconstruction of the anterior cruciate ligament. Alm A, et al. **Orthop Clin North Am** 7(1):181–9, Jan 76

Applied biomechanics of the human leg. A basis for individual protection from skiing injuries. Asang E. **Orthop Clin North Am** 7(1):95–103, Jan 76

Experimental biomechanics of the human leg. A basis for interpreting typical skiing injury mechanisms. Asang E. **Orthop Clin North Am** 7(1):63–73, Jan 76

Theoretical estimation of binding release values. Bahniuk E. **Orthop Clin North Am** 7(1):117–26, Jan 76

Characteristics of antifriction devices used for ski bindings. Bahniuk E, et al. **Orthop Clin North Am** 7(1):105–15, Jan 76

Swedish measures for reduction of skiing accidents with special reference to children. Danielsson K. **Orthop Clin North Am** 7(1):59–61, Jan 76

Repair of the ligaments about the knee. England RL. **Orthop Clin North Am** 7(1):195–204, Jan 76

Anatomical, histological, and physiological factors in experienced downhill skiers. Eriksson A, et al. **Orthop Clin North Am** 7(1):159–65, Jan 76

Symposium on ski trauma and skiing safety. Foreword. Eriksson E. **Orthop Clin North Am** 7(1):1–2, Jan 76

Reconstruction of the anterior cruciate ligament. Eriksson E. **Orthop Clin North Am** 7(1):167–79, Jan 76

The importance of medical advice in the proper adjustment of the safety binding. Figueras JM. **Orthop Clin North Am** 7(1):141–2, Jan 76

Clinical experience in 130 cruciate ligament reconstructions. Franke K. **Orthop Clin North Am** 7(1):191–3, Jan 76

Bilateral fractures of the lower leg due to skiing accidents. Gruber UF, et al. **Orthop Clin North Am** 7(1):215–22, Jan 76

The importance of proper adjustment of safety bindings. Höflin F, et al. **Orthop Clin North Am** 7(1):143–8, Jan 76

Boot top fractures. Höflin F, et al. **Orthop Clin North Am** 7(1):205–13, Jan 76

Effect of flow material ski boots on foot circulation. Höflin F, et al. **Orthop Clin North Am** 7(1):151–7, Jan 76

The inter–relationship between ski accidents, the resultant injury, the skier's characteristics, and the ski boot binding system. Johnson RJ, et al. **Orthop Clin North Am** 7(1):11–2, Jan 76

New aspects in the diagnosis of lateral ankle sprains. Lindstrand A. **Orthop Clin North Am** 7(1):247–9, Jan 76

The risk of injury in experienced Alpine skiers. Margreiter R, et al. **Orthop Clin North Am** 7(1):51–4, Jan 76

Frequency of ski injuries in the Davos region. Matter P, et al. **Orthop Clin North Am** 7(1):31–5, Jan 76

Report on a binding test in a lift queue at Sundsvall, Sweden. Moraeus L. **Orthop Clin North Am** 7(1):149, Jan 76

Fundamental considerations in ski binding analysis. Mote CD Jr, et al. **Orthop Clin North Am** 7(1):75–94, Jan 76

Modeling of the human leg in ski injuries. Piziali RL, et al. **Orthop Clin North Am** 7(1):127–39, Jan 76

Closed treatment of Achilles tendon ruptures. Stein SR, et al. **Orthop Clin North Am** 7(1):241–6, Jan 76

Injuries in long distance, cross country, and downhill skiing. Westlin NE. **Orthop Clin North Am** 7(1):55–8, Jan 76

Factors contributing to the production of skiing injuries. Westlin NE. **Orthop Clin North Am** 7(1):45–9, Jan 76

The skiing sequelae of tibial torsion. Winter WG Jr, et al. **Orthop Clin North Am** 7(1):231–40, Jan 76

The etiology of ski injuries: an eight year study of the skier and his equipment. Young LR, et al. **Orthop Clin North Am** 7(1):13–29, Jan 76

The Australian skier: his environment, injuries, and some aspects of casualty transport. Zelcer J. **Orthop Clin North Am** 7(1):37–43, Jan 76

Ski pole thumb injury. Browne EZ Jr, et al. **Plast Reconstr Surg** 58(1):17–23, Jul 76

[The fiberglass dressing with a hinge and its value in the care of ski injuries] Schnitzler M, et al. **Fortschr Med** 94(3):99–100, 22 Jan 76 (Eng. Abstr.) **(Ger)**

[Letter: Incidence distribution of ski accidents] Biener K. **Med Klin** 70(47):1936, 21 Nov 75 **(Ger)**

[Number and nature of ski–accidents in arosa (author's transl)] Röthlisberger MF, et al. **Praxis** 65(12):346–8, 23 Mar 76 **(Ger)**

[Injuries caused by mini–skis] Danielsson K, et al. **Lakartidningen** 13(13):1216–7, 24 Mar 76 (Eng. Abstr.) **(Swe)**

[Editorial: Mini–ski—an abomination] Räf L. **Lakartidningen** 13(13):1195, 24 Mar 76 **(Swe)**

SKIN

Letter: 'Band' test in connective tissue disease. Burnham TK. **Ann Intern Med** 83(6):909–10, Dec 75

An analysis of pancreatic enzymes used in epidermal separation. Omar A, et al. **Arch Dermatol Res** 253(2):203–12, 12 Sep 75

A new sutureless technique for skin closure. Hasson HM, et al. **Arch Surg** 111(1):83–4, Jan 76

Cell migration and DNA synthesis in organ culture of human skin. Gaylarde PM, et al. **Br J Dermatol** 92(4):375–80, Apr 75

Hair fragment in the skin resembling larva migrans. Lehmuskallio EA. **Br J Dermatol** 93(3):349–50, Sep 75

Letter: Skin contact pressures. Isherwood PA, et al. **Br Med J** 1(6019):1212, 15 May 76

Olfactory responses to skin mucous substances in rainbow trout Salmo gairdneri. Hara TJ, et al. **Comp Biochem Physiol [A]** 54(1):41–4, 1976

The cyanogen bromide peptides of bovine soluble and insoluble collagens. II. Tissue specific cross–linked peptides of insoluble skin and dentin collagen. Scott PG, et al. **Connect Tissue Res** 4(2):117–29, 1976

The cyanogen bromide peptides of bovine soluble and insoluble collagens. I. Characterization of peptides from soluble type I collagen by sodium dodecylsulphate polyacrylamide gel electrophoresis. Scott PG, et al. **Connect Tissue Res** 4(2):107–16, 1976

Sun and skin. Jung EG. **Dermatologica** 151(5):257–67, 1975

Letter: A comment on 'Dose equivalent rate in the basal layer of skin from 241 Am alpha particles'. Harvey JR. **Health Phys** 30(5):418–9, May 76

Direct measurement of beta dose rates in tissue at protection levels. Sundra Rao IS, et al. **Health Phys** 29(5):747–51, Nov 75

Skin interfacing techniques. pp. 167–73. Hall CW, et al. **In: Kronenthal RL et al., ed. Polymers in medicine and surgery. New York, Plenum Press, 1975. QT 34 P783 1974.**

The removal of non–collagen components from newborn calf dermis with magnesium chloride solution. Yamanishi H, et al. **J Biochem (Tokyo)** 79(1):131–44, Jan 76

Application of a gloved–hand model for multiparameter measurements of skin–degerming activity. Michaud RN, et al. **J Clin Microbiol** 3(4):406–31, Apr 76

An experimental study of powder tattooing of the skin. DiMaio VJ, et al. **J Forensic Sci** 21(2):367–72, Apr 76

Delayed hypersensitivity and granulomatous response after immunization with protein antigens associated with a mycobacterial glycolipid and oil droplets. Granger DL, et al. **J Immunol** 116(2):482–8, Feb 76

Foreign–body tumorigenesis induced by glass and smooth and rough plastic. Comparative study of preneoplastic events. Brand KG, et al. **J Natl Cancer Inst** 55(2):319–22,

Aug 75

The use of an adhesive barrier in preoperative skin preparation. Wilken BJ, et al. **J R Coll Surg Edinb** 21(2):112–5, Mar 76

Letter: Skin wrinkling in cystic fibrosis. Elliott RB. **Lancet** 2(7893):1383, 7 Dec 74

Species differences in the trypsin separation of epidermis and dermis. Rudolph R, et al. **Plast Reconstr Surg** 58(4):459–65, Oct 76

Cell size and growth characteristics of cultured fibroblasts isolated from normal and keloid tissue. Russell JD, et al. **Plast Reconstr Surg** 57(2):207–12, Feb 76

Pre-operative preparation of the skin with a depilatory. le Roux BT, et al. **S Afr Med J** 49(42):1761–2, 4 Oct 75

Letter: Tweaking out fish hooks. Macrae JO. **S Afr Med J** 49(36):1456, 23 Aug 75

Skin dose with cones and diaphragms in 137Cs teletherapy – a study using lithium borate thermoluminescent dosimeters. Das KR, et al. **Strahlentherapie** 150(2):134–7, Aug 75

[Histochemical and ultrastructural study of normal skin in subjects with type IV hyperlipemia] Balas D, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):423–8, 1975 **(Fre)**

[Skin and human relations] Achten G. **Brux Med** 55(7):389–93, Jul 75 **(Fre)**

[Macroscopic substratum of acupuncture points] Bossy J, et al. **Bull Assoc Anat (Nancy)** 59(165):357–62, Jun 75 (Eng. Abstr.) **(Fre)**

[Photosensitization of the skin and fluorescence spectra (author's transl)] Brun R. **Dermatologica** 152(5):295–303, 1976 (Eng. Abstr.) **(Fre)**

[Graphic relations between keV, HVL and depth doses in the skin for soft x-rays (author's transl) Van Caneghem P, et al. **Int J Appl Radiat Isot** 26(8):455–8, Aug 75 (Eng. Abstr.) **(Fre)**

[Arrector muscle in patients with scleroderma. Histological and histo-enzymological study] Blanchet-Bardon C, et al. **Sem Hop Paris** 51(7):455–60, 8 Feb 75 (Eng. Abstr.) **(Fre)**

[Comparative colorimetric determinations of the moisture loss of ointment covered skin] Kleine-Natrop HE, et al. **Dermatol Wochenschr** 161(9):753–6, Sep 75 **(Ger)**

[The aging skin (author's transl)] Storck H. **Praxis** 65(11):315–9, 16 Mar 76 (Eng. Abstr.) **(Ger)**

[Experimental study on epithelization] Tronnier H. **Z Hautkr** 50(22):925–9, 15 Nov 75 **(Ger)**

[The possibility of inducing subcutaneous granulomas using plant foreign bodies. Experimental research] Vizzini GM. **Minerva Med** 67(20):1343–8, 28 Apr 76 (Eng. Abstr.) **(Ita)**

[Continuous transcutaneous PO2 measurement in newborn infant (author's transl)] Imura S, et al. **Respir Circ (Tokyo)** 23(12):1097–103, Dec 75 **(Jpn)**

[Objective non-contact method of study of the color of the human skin integument by use of a photoelectric colorimeter] Gruzdeva NI, et al. **Biull Eksp Biol Med** 79(4):120–2, Apr 75 (Eng. Abstr.) **(Rus)**

[Influence of thermal processing in vitro on the toxic properties of skin extracts] Movshev BE, et al. **Patol Fiziol Eksp Ter** (3):42–6, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Role of pH of the skin surface in pathogenesis of mycoses of the feet in the lumberjacks in the North] Degtiar IuS, et al. **Vestn Dermatol Venerol** (1):46–50, Jan 74 (Eng. Abstr.) **(Rus)**

[Study of the lipid coating of the skin in psoriasis] Sotillo Gago I. **Actas Dermosifiliogr** 66(3–4):143–58, Mar–Apr 75 **(Spa)**

ABNORMALITIES

Hairy cutaneous malformations of palms and soles. A hereditary condition. Jackson CE, et al. **Arch Dermatol** 111(9):1146–9, Sep 75

Undiagnosed syndrome of psychomotor retardation, low birthweight dwarfism, skeletal, dental, dermal and genital anomalies. Elliott DE. **Birth Defects** 11(2):364–7, 1975

Epitheliogenesis imperfecta in a black labrador puppy. Hewitt MP, et al. **Can Vet J** 16(12):371–4, Dec 75

Clinical aspects of congenital skin defects. I. Congenital skin defects on the head of the newborn. Demmel U. **Eur J Pediatr** 121(1):21–50, 9 Dec 75 (120 ref.)

Lipid deficiencies, leukocytosis, brittle skin—a lethal syndrome caused by a recessive mutation, edematous (oed), in the mouse. Schiffman MB, et al. **Genetics** 81(3):525–36, Nov 75

Congenital sacral dermal sinus: a case report. Rohatgi M, et al. **Indian Pediatr** 12(9):939–42, Sep 75

Epitheliogenesis imperfecta in a foal. Crowell WA, et al. **J Am Vet Med Assoc** 168(1):56–8, 1 Jan 76

alpha1-Antitrypsin deficiency and skin abnormalities. Ledoux-Corbusier M, et al. **J Cutan Pathol** 2(1):25–9, 1975

Cutaneous abnormalities and their relationship to the underlying tissues. Rahbari H. **J Cutan Pathol** 1(3):151–3, 1974

A midline cervical fistula associated with a birefringent body: an unusual presentation of a branchiogenic fistula. Kashima HK, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):486–91, Sep-Oct 75

ANALYSIS

The extraction and partial purification of the deoxycholate-soluble matrix protein from human plantar horny layer. Tezuka T. **Acta Derm Venereol (Stockh)** 55(6):401–12, 1975

Histochemical analysis of epidermal cells and mucous cells in the skin of Torpedo ocellata Rafinesque. Carmignani MP, et al. **Acta Histochem (Jena)** 52(1):100–10, 1975

Studies on the integument of cestodes. II. The nature of protein component in the integument of gravid proglottides of Taenia hydatigena. Muthukrishnan S. **Acta Histochem (Jena)** 53(2):175–81, 1975

Biochemical and physiological parameters on the skin surface of healthy test persons: a contribution towards the interpretation of the results obtained by a screening program. Gloor M, et al. **Arch Dermatol Forsch** 252(4):317–30, 18 Jul 75

The use of dye lasers for spectroscopic investigations and photodynamic therapy of human skin. Anders A, et al. **Arch Dermatol Res** 255(2):211–4, 21 Apr 76

Infrared spectroscopy for tracing of topically applied ointment vehicles and active substances on healthy skin. Fischmeister I, et al. **Arch Dermatol Res** 253(1):63–9, 29 Aug 75

Separation, isolation, and amino acid composition of the albumin-like fraction from psoriatic scales. Förster FJ, et al. **Arch Dermatol Res** 256(1):75–8, 26 Jul 76

Predisposing factors of the skin surface in persons with impetigo contagiosa. Gloor M, et al. **Arch Dermatol Res** 254(1):95–101, 14 Nov 75

Predisposing factors on the surface of the skin in persons with pityriasis versicolor. Gloor M, et al. **Arch Dermatol Res** 254(3):281–6, 31 Dec 75

Test of chelation process to remove arsenic from a biological system using neutron activation. Fleay RF, et al. **Australas Radiol** 19(4):384–6, Dec 75

Aldehyde content and cross-linking of type III collagen. Fujii K, et al. **Biochem Biophys Res Commun** 69(1):128–34, 8 Mar 76

Chemistry of the collagen cross-links. Nature of the cross-links in the polymorphic forms of dermal collagen during development. Bailey AJ, et al. **Biochem J** 153(2):211–5, 1 Feb 76

Presence of type III collagen in guinea-pig dermal scar. Barnes MJ, et al. **Biochem J** 157(1):263–6, 1 Jul 76

The extraction and characterization of bovine epidermal alpha-keratin. Steinert PM. **Biochem J** 149(1):39–48, Jul 75

The polypeptide composition of bovine epidermal alpha-keratin. Steinert PM, et al. **Biochem J** 151(3):603–14, Dec 75

Isolation and characterization of the glycosaminoglycans from the scale of Ichthyosis vulgaris. Masuda H, et al. **Biochem Med** 15(1):22–7, Feb 76

Two polypeptide chain constituents of the major protein of the cornified layer of newborn rat epidermis. Huang LY, et al. **Biochemistry** 14(16):3573–80, 12 Aug 75

Characterization of the collagen of human hypertrophic and normal scars. Bailey AJ, et al. **Biochim Biophys Acta** 405(2):412–21, 20 Oct 75

Urea-extractable protein from human epidermis. Baynes J, et al. **Biochim Biophys Acta** 439(1):107–15, 19 Jul 76

Skin surface lipids of the guinea pig. Downing DT, et al. **Biochim Biophys Acta** 431(3):378–89, 22 Jun 76

A proton magnetic resonance study of water in human stratum corneum. Foreman MI. **Biochim Biophys Acta** 437(2):599–603, 21 Jul 76

Phosphatidyl-(N-acyl)-ethanolamine. A lipid component of mammalian epidermis. Gray GM. **Biochim Biophys Acta** 431(1):1–8, 22 Apr 76

Immunochemical studies of proteins in epidermal cornified cells of human and newborn rat. Inoue N, et al. **Biochim Biophys Acta** 439(1):95–106, 19 Jul 76

Study of amphibian lipids. I. Characterization of monoglycosylceramides from the skin of Rana nigromaculata (Japanese pond frog). Tamai Y, et al. **Biochim Biophys Acta** 398(2):294–302, 25 Aug 75

An animal model for screening drugs for antipsoriatic properties using hydroxyapatite to isolate DNA rapidly from the epidermis. du Vivier A, et al. **Br J Dermatol** 94(1):1–6, Jan 76

Temperature dependence of water content of stratum corneum. Spencer TS, et al. **Br J Dermatol** 93(2):159–64, Aug 75

Heterogeneity of bovine snout epidermal prekeratin. Wissler F, et al. **Br J Dermatol** 92(6):647–9, Jun 75

Letter: Occurrence of Pyr-His-Pro-NH2 in the frog skin. Yasuhara T, et al. **Chem Pharm Bull (Tokyo)** 23(12):3301–3, Dec 75

The crustacean cuticle—III. Composition of the individual layers in Cancer pagurus cuticle. Welinder BS. **Comp Biochem Physiol [A]** 52(4):659–63, 1 Dec 75

Structural glycoprotein from squid (Sepia officinalis) skin. Moczar M, et al. **Comp Biochem Physiol [B]** 53(2):255–61, 1976

Identification of pteridines and purines in the skin of rainbow trout (Salmo gairdneri) and brook trout (Salvelinus fontinalis). Premdas FH, et al. **Comp Biochem Physiol [B]** 53(4):561–7, 1976

Acid mucopolysaccharides in the skin of some lower vertebrates (hagfish, lamprey and Chimaera). Rahemtulla F, et al. **Comp Biochem Physiol [B]** 53(3):295–8, 1976

The crustacean cuticle—IV. Isolation and identification of cross-links from Cancer pagurus cuticle. Welinder BS, et al. **Comp Biochem Physiol [B]** 53(4):529–33, 1976

Indole-, imidazole- and phenyl-alkylamines in the skin of one hundred amphibian species from Australia and Papua New Guinea. Roseghini M, et al. **Comp Biochem Physiol [C]** 54(1):31–43, 1976

Study on amphibian lipids—II. Characteristic constituents of monoglycosylceramides from the skin of three frog species. Ryuzaki M, et al. **Comp Biochem Physiol [C]** 52(2):81–4, 1 Dec 75

Influence of lipophilic substances on fungal infections of the human skin. I. What constitutes a good lipid extractant? Schmid P, et al. **Dermatologica** 152(1):23–32, 1976

The order of cyanogen-bromide peptides and location of carbohydrate in the alpha2 chain of guinea-pig skin collagen. Clark CC, et al. **Eur J Biochem** 56(2):327–33, 15 Aug 75

The covalent structure of collagen: amino-acid sequence of the cyanogen-bromide peptides alpha1-CB2, alpha1-CB4 and alpha1-CB5 from calf-skin collagen. Fietzek PP, et al. **Eur J Biochem** 52(1):77–82, 3 Mar 75

The covalent structure of collagen. The amino-acid sequence of alpha2-CB4 from calf-skin collagen. Fietzek PP, et al. **Eur J Biochem** 59(1):113–8, 1 Nov 75

The covalent structure of collagen. The chymotrypsin, trypsin and hydroxylamine peptides derived from alpha2-CB4 of calf-skin collagen. Rexrodt FW, et al. **Eur J Biochem** 59(1):105–12, 1 Nov 75

Age-dependent changes in water soluble components (after 10 min incubation at 65 degreesC) of the garden lizard skin. Mishra BN, et al. **Exp Gerontol** 10(3–4):229–30, Aug 75

The separation of two soft-tissue collagens by covalent chromatography. Sykes BC. **FEBS Lett** 61(2):180–5, 15 Jan 76

Acid mucopolysaccharides in hair papillae of the stump-tailed macaque (Macaca speciosa). Sasai Y. **Histochem J** 8(1):51–61, Jan 76

Isolation and characterization of pepsin-treated type III collagen from calf skin. Fujii T, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1793–801, Nov 75

Isolation and characterization of type III collagen from chick stain. Herrmann H, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1605–12, Oct 75

Isolation of an endogeneous inhibitor of epidermal DNA synthesis (G1 chalone) from pig skin. Marks F. **Hoppe Seylers Z Physiol Chem** 356(12):1989–92, Dec 75

Isolation, chemical and electron microscopical characterization of neutral-salt-soluble type III collagen and procollagen from fetal bovine skin. Timpl R, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1783–92, Nov 75

Effect of zinc deficiency on collagen cross-linking. Prasad CU, et al. **Indian J Biochem Biophys** 12(3):249–51, Sep 75

Extraction of rat skin proteoglycans with inorganic salt solutions. Satakopan VN, et al. **Indian J Biochem Biophys** 12(3):269–72, Sep 75

Epidermal urocanic acid & histidase of albino guineapig following total body UV-irradiation. Wadia AS, et al. **Indian J Exp Biol** 13(3):234–7, May 75

Purification and properties of an acidic protein from rat skin. ChandraRajan J, et al. **J Biol Chem** 250(21):8315–20, 10 Nov 75

The covalent structure of collagen. Amino acid sequence of alpha1-CB5 glycopeptide and alpha1-CB4 from chick skin collagen. Kang AH, et al. **J Biol Chem** 250(18):7428–34, 25 Sep 75

Methylation of skin surface lipid free fatty acids. Edwards JC, et al. **J Chromatogr** 115(1):283–8, 10 Dec 75

Adult amphibian epidermal proteins: biochemical characterization and developmental appearance. Reeves OR. **J Embryol Exp Morphol** 34(1):55–73, Aug 75

Proceedings: Amphibian skin polypeptides active on the gut. Erspamer V, et al. **J Endocrinol** 70(1):12P–13P, Jul 76

Intranuclear silicon detection in a subcutaneous connective tissue cell by energy-dispersive x-ray miscroanalysis using fresh air-dried spread. Takaya K. **J Histochem Cytochem** 23(9):681–5, Sep 75

The effect of oral and topical tetracycline on acne severity and on surface lipid composition. Anderson RL, et al. **J Invest Dermatol** 66(3):172–7, Mar 76

Trans-unsaturated fatty acids in human skin surface lipids. Morello AM, et al. **J Invest Dermatol** 67(2):270–2, Aug 76

Thermal analysis of human stratum corneum. Van Duzee BF. **J Invest Dermatol** 65(4):404–8, Oct 75

Localization of adenosine o',5'-monophosphate in mouse epidermis by immunofluorescence. Verma AK, et al. **J Invest Dermatol** 66(4):239–41, Apr 76

A micromethod for the quantitative analysis of calcium, magnesium, and phosphorus in human skin. Subryan VL, et al. **J Lab Clin Med** 86(6):1056–60, Dec 75

Lipid compositions of cells isolated from pig, human, and rat epidermis. Gray GM, et al. **J Lipid Res** 16(6):434–40, Nov 75

Different populations of pig epidermal cells: isolation and lipid composition. Gray GM, et al. **J Lipid Res** 16(6):441–7, Nov 75

Quantitation of gold in skin in chrysiasis. Jeffery D, et al. **J Rheumatol** 2(1):28–35, Mar 75

Cuticular lipids of insects: VIII. Alkanes of the Mormon cricket Anabrus simplex. Jackson LL, et al. **Lipids** 11(1):77–9, Jan 76

Measurement of oxygen tension in human skin. Spence VA, et al. **Med Biol Eng** 14(2):159–65, Mar 76

Uperolein and other active peptides in the skin of the Australian leptodactylid frogs Uperoleia and Taudactylus. Erspamer V, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(1):41–54, 18 Jun 75

Heterosaccharides derived from structural glycoproteins of the skin of two isogenic mouse (Mus musculus) strains C3H/He and C57BL/6. Sepulchre C, et al. **Pathol Biol (Paris)** 24(6):413–8, Jun 76

Purification of an acidic structural protein from rat skin using Triton X-100. ChandraRajan J, et al. **Prep Biochem** 5(5–6):385–96, 1975

Protein concentration and hydrostatic pressure in subcutaneous tissue of rats in hypoproteinemia. Fadnes HO. **Scand J Clin Lab Invest** 35(5):441–6, Sep 75

Staining of keratin and keratohyalin with the reactive dye levafix red violet E-2BL. Waldrop FS, et al. **Stain Technol** 51(4):219–25, Jul 76

Aluminium localization in amphibian skin with the electron microprobe and ion microanalyzer. Hourdry J, et al. **Tissue Cell** 8(1):175–81, 1976

Histochemical demonstration of hyaluronic acid in human dermal mast cells. Sasai Y, et al. **Tohoku J Exp Med** 116(3):285–93, Jul 75

Electron microscopic, histochemical and disc gel electrophoretic studies on the deoxycholate soluble proteins from human plantar horny layers. Tezuka T. **Tohoku J Exp Med** 118(3):209–21, Mar 76

A study of the high molecular weight hemolysin from the skin secretion of the ambhibian Bombina variegata. Mar A, et al. **Toxicon** 14(3):191–5, 1976

New and uncommon indole- and imidazole-alkylamines in skins of amphibians from Australia and Papua New Guinea. Roseghini M, et al. **Z Naturforsch [C]** 31(3–4):118–20, Mar–Apr 76

[Determination of superficial cutaneous lipids in acne] Azar G, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):532–4, 1975 **(Fre)**

[Repeated determinations of superficial cutaneous lipids using the Schaefer and Kuhn-Bussius photometric methods] Rochet C, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):529–31, 1975 **(Fre)**

[Relationship between the quantity of sweat on the brow and superficial cutaneous lipids determined by the slide method] Wasmer J, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):535–7, 1975 **(Fre)**

Collagen polymorphism in human scars] Bazin S, et al. **C R Acad Sci [D] (Paris)** 281(19):1447–9, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Cutaneous fibroblasts in culture: pediatric applications. II. Autoradiographic and enzymatic study] Blackaert D, et al. **Lille Med** 21(3):180–6, Mar 76 **(Fre)**

[Letter: Level of skin sterol in atheroma] Bouissou H, et al. **Nouv Presse Med** 4(44):3144, 20 Dec 75 **(Fre)**

[Disturbed distribution of surface glycoconjugates of the plasma cell membrane in psoriasis. Cytochemical detection using the alcianblue–lanthan–reaction (author's transl)] Orfanos CE, et al. **Arch Dermatol Res** 256(1):39–51, 26 Jul 76 (Eng. Abstr.) **(Ger)**

[Biochemical studies for the interpretation of the determination of alkali neutralization time] Gloor M, et al. **Dermatol Monatsschr** 162(1):29–34, Jan 76 **(Ger)**

[Biochemistry and function of glycosaminoglycans of the skin] von Figura K. **Hautarzt** 27(5):206–13, May 76 (Eng. Abstr.) **(Ger)**

[Simple measurement of skin chloride activity for diagnosis of cyste fibrosis (author's trans)] Rotter J, et al. **Z Kinderheilkd** 120(2):135–9, 11 Aug 75 (Eng. Abstr.) **(Ger)**

[Biochemical analysis of the intercellular matrix during development of chick embryo skin. II. The glycosaminoglycan component] Pane G, et al. **Boll Soc Ital Biol Sper** 51(15–16):968–72, 30 Aug 75 **(Ita)**

[Biochemical analysis of the intercellular matrix during development of chick embryo skin. III. The fibrous component] Pane G, et al. **Boll Soc Ital Biol Sper** 51(15–16):973–6, 30 Aug 75 **(Ita)**

[Biochemical analysis of the intercellular matrix during development of chick embryo skin. I. The glycoprotein component] Pane G, et al. **Boll Soc Ital Biol Sper** 51(15–16):962–7, 30 Aug 75 **(Ita)**

[Proteoglycans from human skin—further investigations on the heterogeneity of proteoglycans from human skin with use of cesium chloride density gradient ultracentrifugation techniques (author's transl)] Takama H. **Jpn J Dermatol** 86(6):359–62, May 76 **(Jpn)**

[Studies on proteoglycans from human skin (author's transl)] Takama H, et al. **Jpn J Dermatol** 86(6):351–8, May 76 **(Jpn)**

[Method of analysis of the hydroelectrolitic composition of skin and skeletal muscle, experimental study in rats] Gonçalez Y, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):116–22, Mar–Apr 76 (Eng. Abstr.) **(Por)**

[The genetic aspect of biochemical studies of psoriasis] Dovzhanskii SI, et al. **Genetika** 11(1):132–5, 1975 **(Rus)**

[A study of the dispersity of Pu-239 particles in contact contamination of the skin] Zhodyreva MA, et al. **Gig Sanit** (5):50–3, May 75 (Eng. Abstr.) **(Rus)**

[Study of skin and serum protein fractions in rats after a thermal burn] Petrov VN. **Patol Fiziol Eksp Ter** (5):38–41, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Use of immunochemical methods for characterization and purification of tissue-specific inhibitors of mitotic activity (chalones)] Okulov VB, et al. **Tsitologiia** 17(11):1294–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Histamine and serotonin content in the blood and skin in experimental therapy of dermatitis in rats] Kozin VM, et al. **Fiziol Zh** 22(3):390–4, MAR–APR 76 (Eng. Abstr.) **(Ukr)**

ANATOMY & HISTOLOGY

Middle phalangeal hair in some South Indian populations. Sastry DB. **Acta Genet Med Gemellol (Roma)** 24(1–2):163–4, 1975

The skin of the giraffe. Dimond RL, et al. **Anat Rec** 185(1):63–75, May 76

Dermo—epidermal adhesion and its effect on epidermal structure in the mouse. Bullough WS, et al. **Br J Dermatol** 93(4):417–24, Oct 75

The influence of age and sex on skin thickness, skin collagen and density. Shuster S, et al. **Br J Dermatol** 93(6):639–43, Dec 75

Metabolism of (14C) beta-sitosterol injected at various stages of the molting cycle in prawn Penaeus japonicus Bate. Kanazawa A, et al. **Comp Biochem Physiol [B]** 54(2):205–8, 1976

The influence of sex differences, skin-shedding cycle and hibernation on the regulation of aspartate and alanine aminotransferase activities in the grass-snake, Natrix n. natrix (L.). Seniow A. **Comp Biochem Physiol [B]** 54(1):69–76, 1976

The Ergonomics Research Society: the Society's lecture, 1974. The borderland of anatomy and ergonomics. Scothorne RJ. **Ergonomics** 18(5):479–89, Sep 75

Nerves and muscles regulating feather follicle movements in the chicken. Angel S, et al. **Experientia** 32(8):1042–3, 15 Aug 76

The biological basis of Langer's lines. pp. 132–40. Flint MH. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.**

Oxytalan, elaunin, and elastic fibers in the human skin. Cotta-Pereira G, et al. **J Invest Dermatol** 66(3):143–8, Mar 76

The microscopic anatomy of epidermal glands in two species of gekkonine lizards, with some observations on testicular activity. Chiu KW, et al. **J Morphol** 147(1):23–39, Sep 75

Histologic evaluation of intraoral skin grafts and pedicle flaps in humans. Dellon AL, et al. **J Oral Surg** 34(9):789–94, Sep 76

Long-term organ culture of human skin: an ultrastructural and immunochemical study. Rowden G, et al. **J Pathol** 117(3):139–49, Nov 75

Preliminary report on the intermandibular cutaneous glandular area and the infraorbital gland of the steenbok. Cohen M, et al. **J S Afr Vet Assoc** 47(1):35–7, Mar 76

The optical texture of human skin. Callender RM. **Med Biol Illus** 24(4):171–3, Nov 74

Histochemistry and the functional organization of the skin of a 'live-fish' Clarias batrachus (Linn.) (Clariidae, Pisces). Banerjee TK, et al. **Mikroskopie** 31(11–12):333–49, Feb 76

Skin tension lines in the domestic pig. Rose EH, et al. **Plast Reconstr Surg** 57(6):729–32, Jun 76

Arteriovenous anastomoses in the skin of the Weddell Seal, Leptonychotes weddelli. Molyneus GS, et al. **Science** 189(4208):1100–2, 26 Sep 75

Langer's lines: a commentary. Flint MH. **Surg Annu** 8:25–46, 1976

[A device for the measurement of the horny layer transparency. The stripping method] Klaschka F, et al. **Arch Dermatol Res** 254(3):313–25, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Functional significance of the columnar structure of the stratum corneum and its occurrence on free autologous skin grafts] Gloor M, et al. **Berufsdermatosen** 23(4):131–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Pattern of epithelium formation in human and guinea-pig skin (author's transl)] Weirich EG, et al. **Dermatologica** 152(5):263–9, 1976 (Eng. Abstr.) **(Ger)**

[The cutaneous granulous glands of Bombinator pachypus (anurous amphibian)] Delfino G. **Boll Soc Ital Biol Sper** 51(8):523–9, 15 Apr 75 **(Ita)**

[Volume of the epidermal stratum corneum stripped with adhesive tape] Yamamoto Y, et al. **Jpn J Med Electron** 13(6):360–1, Dec 75 **(Jpn)**

[Determination of the thickness of the structural layers of the skin] Rakova VA, et al. **Gig Sanit** (8):51–3, Aug 75 **(Rus)**

[The subepidermal plexus of argyrophilic fibers in human skin] Mikhailov IN, et al. **Izv Akad Nauk SSSR [Biol]** (2):263–70, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Vascular arrangement in the skin of tropical cattle. Amakiri SF. **Acta Anat (Basel)** 94(4):585–95, 1976

Evidence for the involvement of vasoactive constitutents of mast cells in axon reflex vasodilatation in the skin of the rat. Kiernan JA. **Acta Hepatogastroenterol (Stuttg)** 255(1):1–8, 10 Mar 76

Local tissue effects of surface-applied ENT drugs. Brånemark PI, et al. **Acta Otolaryngol (Stockh)** 80(1–2):128–36, Jul–Aug 75

Administration of interferon to an infant with congenital rubella syndrome involving persistent viremia and cutaneous vasculitis. Larsson A, et al. **Acta Paediatr Scand** 65(1):105–10, Jan 76

Effect of spinal sympathetic blockade upon local regulation of blood flow in subcutaneous tissue. Henriksen O, et al. **Acta Physiol Scand** 95(1):83–8, Sep 75

Temperature measurements and photoelectric plethysmography in the evaulation of acute and long-term effects of acupuncture upon vasomotor activity of hand skin: a methodological study. Laitinen J. **Am J Chin Med** 4(1):61–8, Spring 76

Sensitivity of small subcutaneous vessels to altered respiratory gases and local pH. Harris PD, et al. **Am J Physiol** 231(1):244–51, Jul 76

The Doppler and its use in axial flaps. Corwin TR, et al. **Am J Surg** 131(6):660–3, Jun 76

Immunofluorescent investigations in cutaneous vasculitis. I. Histotopical demonstration of complement/complement factors. Weidner F. **Arch Dermatol Res** 253(3):249–59, 29 Oct 75

Cutaneous vessel immune deposits in rheumatoid arthritis. Conn DL, et al. **Arthritis Rheum** 19(1):15–20, Jan–Feb 76

Tissue fibrinolytic activity in skin following ischaemia. Cherry GW, et al. **Bibl Anat** 13:294–6, 1975

Caliber changes in the cutaneous microvessels as related to changes in basal metabolism in diabetics. Ditzel J, et al. **Bibl Anat** 13:219–21, 1975

Clinical fluorescein angiography in functional studies of cutaneous surface vessels. Macro- and micro-techniques. Lund F, et al. **Bibl Anat** 13:210–3, 1975

Cutaneous blood flow. A comparative study between the thermal recovery method and the radioxenon clearance method. Tavares CM, et al. **Bibl Anat** 13:145–6, 1975

Depression by local cooling of 3H-norepinephrine release evoked by nerve stimulation in cutaneous veins. Vanhoutte PM, et al. **Blood Vessels** 13(1–2):92–9, 1976

Livedo reticularis. Signs in the skin of disturbance of blood viscosity and of blood flow. Copeman PW. **Br J Dermatol** 93(5):519–29, Nov 75 (30 ref.)

The relationship between the course of psoriasis and transepidermal water loss, photoelectric plethysmography and reflex photometry. Rajka G, et al. **Br J Dermatol** 94(3):253–261, Mar 76

Hypersensitivity of scleroderma cutaneous vascular smooth muscle to 5-hydroxytryptamine. Winkelmann RK, et al. **Br J Dermatol** 95(1):51–6, Jul 76

The effects of adrenalectomy and corticosterone on vascular permeability responses in the skin of the rat. Leme JG, et al. **Br J Exp Pathol** 56(5):402–7, Oct 75

The effects of prostaglandins E1, E2 and F2alpha on the cutaneous vasculature of the rat. Chahl LA, et al. **Br J Pharmacol** 56(3):317–22, Mar 76

Proceedings: Prostaglandin D1 inhibits the increase in vascular permeability in rat skin produced by prostaglandin E1, E2 and D2. Flower RJ, et al. **Br J Pharmacol** 55(2):239P–240P, Oct 75

Proceedings: The effects of radiation on the skin blood pulse. Zanelli GD. **Br J Radiol** 49(582):559–60, Jun 76

Proceedings: Nutritional skin blood flow before and after chemical sympathectomy. Morrice JJ, et al. **Br J Surg** 62(8):666–7, Aug 75

Transferring load to flesh. Part VIII. Stasis and stress. Bennett L. **Bull Prosthet Res** :202–10, Spring 75

Cutaneous and muscular rasodilation in the canine hindlimb evoked by central stimulation. Lang WJ, et al. **Circ Res** 38(6):560–6, Jun 76

Enhanced uptake by guinea-pig macrophages of radio-iodinated human aggregated immunoglobulin G in the presence of sera from rheumatoid patients with cutaneous vasculitis. Onyewotu II, et al. **Clin Exp Immunol** 19(2):267–80, Feb 75

Transcutaneous pO2 monitoring in anaesthesia. Dennhardt R, et al. **Eur J Intensive Care Med** 2(1):29–33, 1976

Clinical and laboratory double-blind investigation of fibrinolytic therapy of cutaneous vasculitis. pp. 325–33. Cunliffe WJ, et al. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

Central nervous control of venous tone. III. Responses of capacitance and resistance vessels of skin to bulbar and hypothalamic stimulation. Manchanda SK, et al. **Indian J Physiol Pharmacol** 19(3):105–20, Jul–Sep 75

Measurement of blood flow in skin with an intact vascular pedicle. Marcus FS, et al. **Int J Dermatol** 15(2):131–5, Mar 76

Pathophysiology of skin capillaries. Ryan TJ. **Int J Dermatol** 14(10):708–21, Dec 75 (40 ref.)

Peripheral small vessel involvement in chronic nephritides. Scarpelli PT, et al. **Int Urol Nephrol** 7(2):157–70, 1975

Effects of external pressure loading on human skin blood flow measured by 133Xe clearance. Holloway GA, et al. **J Appl Physiol** 40(4):597–600, Apr 76

Forearm skin and muscle vascular responses to prolonged leg exercise in man. Johnson JM, et al. **J Appl Physiol** 39(6):920–4, Dec 75

The measurement of skin blood flow in peripheral vascular disease by epicutaneous application of Xenon133. Kostuik JP, et al. **J Bone Joint Surg [Am]** 58(6):833–7, Sep 76

The blood vessels of the skin. Ryan TJ. **J Invest Dermatol** 67(1):110–8, Jul 76 (46 ref.)

Ultrastructure of the human dermal microcirculation: the horizontal plexus of the papillary dermis. Yen A, et al. **J Invest Dermatol** 66(3):131–42, Mar 76

Proceedings:Simultaneous measurement of local plasma exudation and blood flow changes induced by intradermal injection of vasoactive substances, using [131I]albumen and 133Xe. Williams TJ. **J Physiol (Lond)** 254(1):4P–5P, Jan 76

Proceedings: Cutaneous microcirculation and insulin shock. Asano M, et al. **J Physiol Soc Jpn** 36(8–9):382, 1 Sep 74

Computerized determination of blood flow in pedicle flaps by the clearance of epicutaneously applied 133xenon. Handel N, et al. **J Surg Res** 20(6):579–87, Jun 76

Absence of ristocetin aggregation factor from the skin of a patient with von Willebrand's disease. Potter EV, et al. **Lancet** 1(7958):514–5, 6 Mar 76

Accurate measurement of skin blood flow by a thermal conductance method. Challoner AV. **Med Biol Eng** 13(2):196–201, Mar 75

Cutaneous microcirculatory responses to insulin administration in the fasted and hexamethonium-treated rabbit, with special regard to peripheral circulating leukocytes. Asano M, et al. **Microvasc Res** 10(2):180–91, Sep 75

Blood flow cessation at external pressure in rat skinflaps. Isotope washout compared to vital capillary microscopy. Bolund S, et al. **Microvasc Res** 11(3):381–90, May 76

The evaluation of an isotopic clearance technique for the measurement of skin blood flow in the pig. Moustafa HF, et al. **Microvasc Res** 11(2):147–53, Mar 76

Relationships between specialized cells, capillaries and intermediary cyto-fibrillary stroma. Note 6. The capillary stereotype and the factors which influence it. Mârza VD, et al. **Morphol Embryol (Bucur)** 21(4):247–61, 1975

Differential influences of CNS and superficial body temperatures on the partition of cutaneous blood flow between capillaries and arteriovenous anastomoses (AVA's). Hales JR, et al. **Pfluegers Arch** 361(1):105–6, 19 Dec 75

Antagonistic effects upon cutaneous circulation of muscular excercise and exposure to a high ambient temperature. Levy B, et al. **Pfluegers Arch** 359(1–2):137–46, 29 Aug 75

Vasomotor response to thermal stimulation of the scrotal skin in rats. Neya T, et al. **Pfluegers Arch** 363(1):15–8, 6 May 76

Potentiation of bradykinin-induced vascular permeability increase by prostaglandin E2 and arachidonic acid in rabbit skin. Ikeda K, et al. **Prostaglandins** 10(5):747–58, Nov 75

Skin color in hyperbaric oxygen. Hardenbergh E, et al. **Undersea Biomed Res** 2(1):68–9, Mar 75

[Histomorphology of the microcirculation of the skin in physiological and pathological processes] Zagurov G. **Vutr Boles** 14(6):35–41, 1975 (Eng. Abstr.) **(Bul)**

[Peripheral vascular resistance in the cutaneous circulation in labile hypertensive subjects (author's transl)] Niederle P, et al. **Cas Lek Cesk** 114(50):1562–4, 12 Dec 75 (Eng. Abstr.) **(Cze)**

[Cutaneous periarteritis nodosa] Bourlond A, et al. **Arch Belg Dermatol** 30(1):49–51, Jan–Mar 74 (Eng. Abstr.) **(Fre)**

[Cutaneous circulation and heat exchange in altitude (3,800 m)] Raynaud J, et al. **Arch Sci Physiol (Paris)** 27(3):247–54, 1973 **(Fre)**

[Vascular regions of the skin of the trunk: the axillary flap] Combelles R, et al. **Bull Assoc Anat (Nancy)** 59(167):829–35, Dec 75 (Eng. Abstr.) **(Fre)**

[Skin circulation and thermal exchange at 3,800 m altitude] pp. A247–54. Raynaud J, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**

[Letter: Cutaneous microangiopathy, a sign of development of diabetes] Romani JD. **Nouv Presse Med** 4(28):2037, 30 Aug–6 Sep 75 **(Fre)**

[Reflexphotometric determinations of vasoconstriction after topical application of steroids. IV. Time slope of vasoconstriction and reactive vasodilatation (author's transl)] Altmeyer P, et al. **Arch Dermatol Res** 255(1):43–50, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[Reflexphotometric determinations of vasoconstriction after topical application of steroids. V. Vasoconstriction phaenomenon and tachyphylaxis after repeated steroid application (author's transl)] Altmeyer P, et al. **Arch Dermatol Res** 255(1):51–6, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[Thermometric studies on microcirculation of the skin in diabetes mellitus] Marckardt V, et al. **Dermatol Monatsschr** 161(8):628–34, Aug 75 (Eng. Abstr.) **(Ger)**

[Influence of underwater massage on the re-warming, thermal conductivity and blood supply of the skin in progressive scleroderma] Meffert H, et al. **Dermatol Monatsschr** 161(7):551–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Embolia cutis medicamentosa (author's transl)] Brachtel R. **Med Klin** 71(12):504–6, 19 Mar 76 (Eng. Abstr.) **(Ger)**

[Blood flow and permeability of the terminal vascular bed in the skin] Stüttgen G. **Med Welt** 26(16):759–62, 18 Apr 75 **(Ger)**

[Pharmaco-analytical studies on the blood circulation in human skin and mucosa] Stüttgen G. **Med Welt** 26(49):2225–7, 5 Dec 75 **(Ger)**

[Local effect of various antihypertensive agents on cutaneous and muscular vessels in man] Mêrguet P, et al. **Verh Dtsch Ges Inn Med** 81:1044–7, 1975 **(Ger)**

[Clinical studies of cutaneous vasculitis, with special reference to the examination of various phases of polyarteritis nodosa] Hoshina H, et al. **Ryumachi** 15(3):244–51, Oct 75 (Eng. Abstr.) **(Jpn)**

[Study of cutaneous capillary permeability in children with acute diffuse glomerulonephritis] Nanulescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(1):49–54, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Mondor's disease in the mother as a cause of staphylococcal infection in a child] Zorin PM, et al. **Pediatriia** (6):82, Jun 75 (Eng. Abstr.) **(Rus)**

[State of the blood coagulation system in patients with dermal and hypodermal vasculitis] Gol'denberg IS. **Vestn Dermatol Venerol** (2):45–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Study of the effect of certain natural and synthetic detergents on skin capillary permeability in guinea pigs] Ivanov VV. **Vestn Dermatol Venerol** (7):21–5, Jul 75 (Eng. Abstr.) **(Rus)**

[Electromyographic studies in patients with different forms of vasculitis] Krasnikov IuA, et al. **Vestn Dermatol Venerol** (6):30–3, Jun 75 **(Rus)**

[Seasonal changes in cutaneous blood vessel tone in the frog Rana esculenta] Tsybenko VA, et al. **Zh Evol Biokhim Fiziol** 11(2):153–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Vasomotor reflexes in the vascular bed in skin of extremities induced by a deep breath (author's transl)] Kellerová E. **Bratisl Lek Listy** 64(5):616–25, Nov 75 (Eng. Abstr.) **(Slo)**

[Mandor's disease. 1st case in Spain] Marrón Gasca J, et al. **Actas Dermosifiliogr** 67(7–8):571–82, Jul–Aug 76 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Morphological aspect of the skin terminal corpuscles, previous corrosion with pancreatin. Alvarez-Morujo A, et al. **Acta Anat (Basel)** 93(2):240–8, 1975

Keratinized cells as a possible yellow-stain receptor for gold-orange. Höglund A. **Acta Derm Venereol (Stockh)** 56(1):51–4, 1976

Thymidine labelling of epidermal melanocytes in UV-irradiated skin. Rosdahl IK, et al. **Acta Derm Venereol (Stockh)** 56(2):159–61, 1976

A cytochemical study of the 'chloride cells' in the skin of a fresh-water teleost (Channa striata (Bl.) Channidae, Pisces). Banerjee TK, et al. **Acta Histochem (Jena)** 53(1):126–35, 1975

The culturability of fibroblasts from the skin of abortuses after intra-amniotic instillation of urea or prostaglandin. Ju KS, et al. **Am J Obstet Gynecol** 125(8):1155, 15 Aug 76

The effect of halothane on active transport of sodium in the epithelial cell. Szulc R, et al. **Anaesth Resusc Intensive Ther** 3(4):279–83, Oct–Dec 75

Green autofluorescence in human epidermal cells. Fellner MJ. **Arch Dermatol** 112(5):667–70, May 76

Isolation of single cell nuclei from human epidermis for cytophotometric DNA—measurements. Haag D, et al. **Arch Dermatol Res** 253(3):301–10, 29 Oct 75

Histophysiology of mast cells in skin and other organs. Heine H, et al. **Arch Dermatol Res** 253(3):225–8, 29 Oct 75

A model for studies of dermal surface epithelization: with observations on the effects of dexamethasone and nandrolone decanoate. Jyväsjärvi S, et al. **Arzneim Forsch** 26(3):443–7, 1976

Impulse cytophotometry in psoriasis. Bauer FW, et al. **Br J Dermatol** 93(2):225–7, Aug 75

Epidermal transit times. Potten CS. **Br J Dermatol** 93(6):649–58, Dec 75

Antigen-bearing langerhans cells in skin, dermal lymphatics and in lymph nodes. Silberberg-Sinakin I, et al. **Cell Immunol** 25(2):137–51, Aug 76

The use of freshly explanted mouse epidermal cells for the in vitro induction and detection of cell-mediated cytotoxicity. Steinmuller D, et al. **Cell Immunol** 24(1):146–63, 1 Jun 76

Changes in the proliferation rate of mouse epidermis after irradiat-on continuous labelling studies. Denekamp J, et al. **Cell Tissue Kinet** 9(1):19–29, Jan 76

Rapid cell death and cell population recovery in mouse skin epidermis after freezing. Yamada S, et al. **Cryobiology** 13(3):317–27, Jun 76

Kinetics and structural organisation of the epidermis. Christophers E, et al. **Curr Probl Dermatol** 6:87–106, 1976 (60 ref.)

Cyclic AMP and cyclic GMP in epidermal physiology and pathophysiology. Voorhees JJ, et al. **Curr Probl Dermatol** 6:107–53, 1976 (205 ref.)

Control of epidermal proliferative units (EPUs). An hypothesis based on the arrangement of neighbouring differentiated cells. Potten CS, et al. **Differentiation** 3(1–3):161–5, 11 Aug 75

Mouse epidermal cell cultures. II. Isolation, characterization and cultivation of epidermal cells from perinatal mouse skin. Fusenig NE, et al. **Exp Cell Res** 93(2):443–57, Jul 75

Mast cells in the skin of normal, hairless and athymic mice. Keller R, et al. **Experientia** 32(2):171–2, 15 Feb 76

Cytochemical studies on the PAS-positive and metachromatic substances in the cells of enteric epithelium of Achoea janata (Noctuidae: Lepidoptera). Vishnoi DN, et al. **Folia Histochem Cytochem (Krakow)** 14(1):49–56, 1976

Regulation of epidermal stem cells. pp. 117–34. Fowler J, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975. (39 ref.)

The influence of epidermal chalone on cell proliferation. pp. 103–16. Laurence EB, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Identification of clonogenic cells in the epidermis and the structural arrangement of the epidermal proliferative unit (EPU). pp. 91–102. Potten CS.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Growth and characterization of human skin epithelial cell cultures. Freeman AE, et al. **In Vitro** 12(5):352–62, May 76

Dermal exudate macrophages: induction in dermal chambers and response to lymphokines. Goihman-Yahr M, et al. **Int J Lepr** 44(1–2):227, Jan–Jun 76

Microscopic structure of pig skin. Mawafy M, et al. **J Anim Sci** 41(5):1281–90, Nov 75

Effect of pharmacological agents on human keratinocyte mitosis in vitro. II. Inhibition by catecholamines. Harper RA, et al. **J Cell Physiol** 86(2 Pt 1):293–9, Oct 75

Brittle fracture of epidermal cells by liquid shear. Gray GM, et al. **J Cell Sci** 20(3):699–705, May 76

Modulation of dermal cell activity during hair growth in the rat. Pierard GE, et al. **J Cutan Pathol** 2(1):35–41, 1975

In vitro differentiation of a homogeneous cell population—the epidermis of Xenopus laevis. Reeves OR, et al. **J Embryol Exp Morphol** 34(1):75–92, Aug 75

The distribution of melanocytes in the dorsal coats of a series of chimaeric mice. West JD, et al. **J Embryol Exp Morphol** 35(1):87–93, Feb 76

Effects of reserpine, epidermal growth factor, and cyclic nucleotide modulators on epidermal mitosis. Birnbaum JE, et al. **J Invest Dermatol** 66(5):313–8, May 76

Dibutyryl cyclic AMP-induced differentiation of epidermal cells in tissue culture. Delecluse C, et al. **J Invest Dermatol** 66(1):8–13, Jan 76

Natural synchrony of newborn mouse epidermal cells in vitro. Elgjo K, et al. **J Invest Dermatol** 66(5):292–6, May 76

The effect of MSH on thymidine incorporation by keratinocytes in the epidermal melanin unit. Erickson KL, et al. **J Invest Dermatol** 66(6):367–70, Jun 76

Cytophotometric studies of epidermal proliferation in psoriatic and normal skin. Grove GL, et al. **J Invest Dermatol** 66(4):236–8, Apr 76

William Montagna Lecture. Cyclic nucleotides and epidermal cell proliferation. Halprin KM. **J Invest Dermatol** 66(6):339–43, Jun 76 (19 ref.)

Lysosomes and the skin. Lazarus GS, et al. **J Invest Dermatol** 65(3):259–71, Sep 75 (133 ref.)

A liquid film model of tetrakaidecahedral packing to account for the establishment of epidermal cell columns. Menton DN. **J Invest Dermatol** 66(5):283–91, May 76

The culture of skin. A review of theories and experimental methods. Pruniéras M, et al. **J Invest Dermatol** 67(1):58–65, Jul 76 (81 ref.)

Synthesis of DNA in isolated nuclei from differentiated mammalin epidermal cells. Vaughan FL, et al. **J Invest Dermatol** 66(6):355–9, Jun 76

The effect of an electrostatic field on the mitosis of cells. Ng W, et al. **Med Biol Eng** 13(1):107–11, Jan 75

Mitoses in human epidermis. Clustering, sister cells, and findings suggestive of a spreading mitotic stimulus. Rowe L, et al. **Oncology** 31(3–4):133–8, 1975

Changes in the width of epithelial cells in the healing excised cutaneous wound. Winstanley EW. **Res Vet Sci** 20(3):306–10, May 76

Separation of mouse epidermal basal and differentiating cells for microflow fluorometric measurements: a methodologic study. Clausen OP, et al. **Virchows Archiv [Cell Pathol]** 20(4):261–75, 26 May 76

Tissue specificity of the epidermal chalones. Nome O. **Virchows Archiv [Cell Pathol]** 19(1):1–25, 29 Sep 75

[Studies on the differences between the skin of nude mice and bald skin in man] Kadanov D. **Eksp Med Morfol** 14(2):83–91, 1975 (Eng. Abstr.) **(Bul)**

[Trichromic staining of semi-fine skin sections] Michel C, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):429–30, 1975 **(Fre)**

[Simple microlitre-method for the determination of hypoxanthine-guanine-phosphoribosyl transferase activity in erythrocytes and skin fibroblasts] Grimm U, et al. **Acta Biol Med Ger** 33(4):507–10, 1974 **(Ger)**

[Cytokinetics of epidermal and dermal cells in allergic contact dermatitis and atopic dermatitis (author's transl)] Brunner R, et al. **Arch Dermatol Res** 255(3):297–304, 21 Jun 76 (Eng. Abstr.) **(Ger)**

[The cell structure of the subcutis of the guinea pig] Fritzsch M, et al. **Z Mikrosk Anat Forsch** 88(4):649–59, 1974 (Eng. Abstr.) **(Ger)**

[Ball cells and the structure of the epidermis of anuran larvae. I. Ascaphus truei Stejneger] Meyer M, et al. **Z Mikrosk Anat Forsch** 89(1):79–107, 1975 (Eng. Abstr.) **(Ger)**

[1st studies of the fluorescence of the cells of the pigmentary system embedded in 10% solution of aqueous formalin] Sacchi S, et al. **Riv Istochim Norm Patol** 18(1–4):145, 1974 **(Ita)**

[A study on the cellular infiltration in subcutaneous tissue with special regard to histiocytes (author's transl)] Imai Y, et al. **Jpn J Dermatol** 85(12):711–5, Oct 75 **(Jpn)**

DRUG EFFECTS

Dissociation of human adult epidermal cells by

disulfide-reducing agents and subsequent trypsinization. Hentzer B, et al. **Acta Derm Venereol (Stockh)** 56(1):19–25, 1976

Pharmacological studies on retinoic acid in Wistar and in atrichos rats. Cahn J, et al.
Acta Derm Venereol [Suppl] (Stockh) 74:33–5, 27–29 Jan 75

Effects of vitamin A acid in skin: in vivo and in vitro studies. Christophers E, et al.
Acta Derm Venereol [Suppl] (Stockh) 74:42–9, 27–29 Jan 75

The action of vitamin A on the skin of mammals: a comparable study. Jarrett A.
Acta Derm Venereol [Suppl] (Stockh) 74:73–5, 27–29 Jan 75

Electron microscope findings after toxic doses of vitamin A acid in man. Merker H, et al.
Acta Derm Venereol [Suppl] (Stockh) 74:64–72, 27–29 Jan 75

Cd resistant cells show cross tolerance to Zn++ but not to Hg++. Haffner F, et al.
Acta Pharmacol Toxicol (Kbh) 38(5):525–8, May 76

Cutaneous pharmacology and toxicology. Maibach HI.
Annu Rev Pharmacol Toxicol 16:401–11, 1976 (95 ref.)

Porphyria-like cutaneous changes induced by tetracycline hydrochloride photosensitization. Epstein JH, et al.
Arch Dermatol 112(5):661–6, May 76

Effects of topical fluorouracil on normal skin. Zelickson AS, et al. **Arch Dermatol** 111(10):1301–6, Oct 75

D-penicillamine in dermatology: influence on enzymatic activities of human skin in vitro. Raab W, et al.
Arch Dermatol Res 254(1):87–93, 14 Nov 75

Effects of mimosine, a potential chemical defleecing agent, on wool growth and the skin of sheep. Reis PJ, et al.
Aust J Biol Sci 28(1):69–84, Feb 75

Toxic skin reactions caused by tributyltin oxide (tbto) in socks. Molin L, et al. **Berufsdermatosen** 23(4):138–42, Aug 75

Induction of aryl hydrocarbon hydroxylase and carbon monoxide-binding hemoproteins in mouse epidermis by tobacco carcinogens. Norred WP, et al.
Biochem Pharmacol 25(6):732–4, 15 Mar 76

Action of aldosterone on frog skin in the presence and absence of in vitro molting effects. Lang MA, et al.
Biochim Biophys Acta 401(3):481–5, 2 Sep 75

An improved method of assessing topical corticosteroid activity. Barnes H, et al. **Br J Dermatol** 93(4):459–64, Oct 75

Studies on the effect of salicylic acid on normal skin. Davies M, et al. **Br J Dermatol** 95(2):187–92, Aug 76

The role of divalent cations in epidermolysis. Dimond RL, et al. **Br J Dermatol** 95(1):25–34, Jul 76

Histological aspects of DNCB sensitization and challenge tests. Hartman A, et al. **Br J Dermatol** 94(4):407–16, Apr 76

Steroid-induced atrophy in an animal and human model. Kirby JD, et al. **Br J Dermatol** 94 suppl 12:111–9, Mar 76

The repair of impaired epidermal barrier function in rats by the cutaneous application of linoleic acid. Prottey C, et al. **Br J Dermatol** 94(1):13–21, Jan 76

Dithranol (anthralin) versus triacetoxyanthracene. Investigations in vitro. Raab W. **Br J Dermatol** 95(2):193–6, Aug 76

Bio-assay of corticosteroids for topical application. Spearman RI, et al. **Br J Dermatol** 92(5):581–4, May 75

The effect of clobetasone butyrate and other topical steroids on skin thickness of the domestic pig. Winter GD, et al.
Br J Dermatol 94(5):545–50, May 76

Evaluation of coal tar fractions for use in psoriasiform diseases using the mouse tail test. (I) High and low temperature tars and their constituents. Wrench R, et al.
Br J Dermatol 92(5):569–74, May 75

Evaluation of coal tar fractions for use in psoriasiform diseases using the mouse tail test. (II) Tar oil acids. Wrench R, et al. **Br J Dermatol** 92(5):575–9, May 75

Evaluation of coal tar fractions for use in psoriasiform diseases using the mouse tail test. III. High boiling tar oil acids. Wrench R, et al. **Br J Dermatol** 93(1):67–74, Jul 75

Inflammatory effects of prostaglandin D2 in rat and human skin. Flower RJ, et al. **Br J Pharmacol** 56(2):229–33, Feb 76

Proceedings: Histamine receptors in human skin. Fermont DC, et al. **Br J Surg** 63(2):160, Feb 76

The sensitivity of the skin of hairless mice to chemical carcinogenesis. Iversen U, et al. **Cancer Res** 36(4):1238–41, Apr 76

Some effects of bleomycin on the proliferation, maturation time and protein synthesis of hairless mouse epidermis. Iversen PH, et al. **Cell Tissue Kinet** 9(1):77–97, Jan 76

Effect of coal tar fractions on guinea-pig and human skin. Sarkany I, et al. **Clin Exp Dermatol** 1(1):51–8, Mar 76

Depigmenting action of corticosteroids. Experimental study on guinea pigs. Arnold J, et al. **Dermatologica** 151(5):274–80, 1975

Ultrastructural response of epidermis to actinomycin D. de Rey BM, et al. **Dermatologica** 151(2):89–95, 1975

Effect of bases and accelerants on the anti-inflammatory activity of topical corticosteroids. Sarkany I, et al.
Dermatologica 152 Suppl 1:81–9, 1976

Dermatopharmacology of salicylic acid. I. Range of dermatotherapeutic effects of salicylic acid. Weirich EG.
Dermatologica 151(5):268–73, 1975

Dermatopharmacology of salicylic acid. II. Epidermal antihyperplastic effect of salicylic acid in animals. Weirich EG, et al. **Dermatologica** 151(6):321–32, 1975

Topical and systemic effects of hydrocortisone 17-butyrate. Wieriks J, et al. **Dermatologica** 152 Suppl 1:181–95, 1976

The specificity of epidermal chalone action: the results of in vivo experimentation with two purified skin extracts. Thornley AL, et al. **Dev Biol** 51(1):10–22, 1 Jul 76

Photocarcinogenesis: lack of enhancement by fluorescent white agents. Forbes PD, et al.
Environ Qual Saf [Suppl] 4:212–22, 1975

Studies on the reaction of skin when exposed to fluorescent whitening agents. Gloxhuber C, et al.
Environ Qual Saf [Suppl] 4:202–5, 1975

Study by fluorescence microscopy of the effect of fluorescent whitening agents on the skin of mice. Luckhaus G, et al.
Environ Qual Saf [Suppl] 4:198–202, 1975

Benzodiazepines: a comparison of their effects in mice on the magnitude of the palmar skin conductivity response and on pentylenetetrazole-induced seizures. Marcy R, et al. **Experientia** 31(8):954–5, 15 Aug 75

The rabbit as a model for evaluating skin irritants: a comparison of results obtained on animals and man using repeated skin exposures. Marzulli FN, et al.
Food Cosmet Toxicol 13(5):533–40, Oct 75

Inhibition of sensitization reactions induced by certain aldehydes. Opdyke DL. **Food Cosmet Toxicol** 14(3):197–8, Jun 76

The effect of 17 beta-estradiol acetate on the testis and thumb pad of Rana cyanophlyctis (Schn.) and Rana tigrina (Daud.). Saidapur SK, et al. **Gen Comp Endocrinol** 27(3):350–7, Nov 75

Skin effects and carcinogenicity of arsenic trioxide: a preliminary experimental study in rats. pp. 470–9. Ishinishi N, et al.
In: Nordberg GF, ed. Effects and dose–response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974.

Histological changes in the mouse skin after one subcutaneous injection of 20-methylcholanthrene. Bhisey RA, et al.
Indian J Cancer 12(4):430–8, Dec 75

Connective tissue necrosis after alkali. Sanyal S, et al.
Indian J Med Res 63(11):1609–19, Nov 75

Experimental studies on betel nut and tobacco carcinogenicity. Ranadive KJ, et al. **Int J Cancer** 17(4):469–76, 15 Apr 76

Ultrastructural changes induced by vinblastine in cutaneous lesions of histiocytosis X. Caputo R, et al.
Int J Dermatol 14(8):579–85, Oct 75

Study on skin roughness caused by surfactants: II. Correlation between protein denaturation and skin roughness. Imokawa G, et al. **J Am Oil Chem Soc** 52(12):484–9, Dec 75

Study on skin roughness caused by surfactants: I. A new method in vivo for evaluation of skin roughness. Imokawa G, et al. **J Am Oil Chem Soc** 52(12):479–83, Dec 75

Ultrastructural changes in psoriatic epidermis following anthralin treatment. Wilborn WH, et al. **J Cutan Pathol** 1(3):132–50, 1974

Re-introduction and evaluation of an accurate, high capacity bioassay for melanocyte-stimulating hormone using the skin of Anolis carolinensis in vitro. Tilders FJ, et al.
J Endocrinol 66(2):165–75, Aug 75

Variation in the effects of antidiuretic hormone on the isolated skin of the toad, Scaphiopus couchi. Hillyard SD.
J Exp Zool 195(2):199–206, Feb 76

Actions of external hypertonic urea, ADH, and theophylline on transcellular and extracellular solute permeabilities in frog skin. Mandel LJ. **J Gen Physiol** 65(5):599–615, May 75

Reduced epidermal cyclic AMP accumulation following prostaglandin stimulation: Its possible role in the pathophysiology of psoriasis. Aso K, et al.
J Invest Dermatol 65(4):375–8, Oct 75

The role of prostaglandin E, cyclic AMP, and cyclic GMP in the proliferation of guinea-pig ear skin stimulated by topical application of vitamin A acid. Aso K, et al.
J Invest Dermatol 67(2):231–4, Aug 76

Cyclic AMP-phosphodiesterase and epidermal mitosis. Birnbaum JE, et al. **J Invest Dermatol** 67(2):235–9, Aug 76

Effect of pharmacologic agents on human keratinocyte mitosis in vitro. III. Inhibition by histamine and methylated analogs. Harper RA, et al. **J Invest Dermatol** 65(4):400–3, Oct 75

Selective action of hydrocortisone on postmitotic epidermal cells in vivo. Laurence EB, et al. **J Invest Dermatol** 66(4):222–9, Apr 76

Inhibition of the in vivo effects of concanavalin-A on mammalian epidermis by alpha-methyl-D-glucopyranoside. Stegman SJ, et al.
J Invest Dermatol 66(1):17–21, Jan 76

Testing the effects of fluids on rat skin using disposable polypropylene chambers. Swan AG. **J Invest Dermatol** 66(5):330–1, May 76

Effects of retinoic acid on prostaglandin biosynthesis in guinea-pig skin. Ziboh VA, et al. **J Invest Dermatol** 65(4):370–4, Oct 75

Proceedings: The mode of action of staphylococcal epidermolytic toxin. McLay AL, et al.
J Med Microbiol 8(4):Pxvii–xviii, Nov 75

Sex steroids and epidermal glands in two species of gekkonine lizards. Chiu KW, et al. **J Morphol** 147(1):9–22, Sep 75

Early morphologic alterations in mouse skin after topical application of 3-methylcholanthrene and its metabolites. Bürki K, et al. **J Natl Cancer Inst** 55(1):174–6, Jul 75

Cytotoxic carcinogeneic response to monocrotaline pyrrole. Hooson J, et al. **J Pathol** 118(2):121–8, Feb 76

Catecholamine-induced changes in ion transport in short-circuited frog skin and the effect of beta-blockade. Tomlinson RW, et al. **J Physiol (Lond)** 257(2):515–30, May 76

Effects of protease and elastase from Pseudomonas aeruginosa on skin. Kawaharajo K, et al.
Jpn J Exp Med 45(2):79–88, Apr 75

Letter: Severe anaphylactic reaction to intravenous cephaloridine in a pregnant patient. Halpern GM.
Med J Aust 1(11):366, 15 Mar 75

Phorbol esters stimulate DNA synthesis and ornithine decarboxylase activity in mouse epidermal cell cultures. Yuspa SH, et al. **Nature** 262(5567):402–4, 29 Jul 76

'Long distance' action of parachlorophenol and formalin in polyethylene tubes implanted in guinea pigs. The SD, et al. **Oral Surg** 41(2):244–50, Feb 76

A comparative study of the effects of norepinephrine and vasopressin on Na transport and O2 consumption in frog skin. Arczynska W, et al. **Pfluegers Arch** 363(3):187–91, 22 Jun 76

Deviating flux ratios for Na+ in ouabain-treated frog skin. Idzerda PP, et al. **Pfluegers Arch** 360(1):91–4, 16 Oct 75

An effect of chlorhexidine and two related drugs on glycosaminoglycans in rat skin. Nordbo H.
Pharmacol Ther Dent 2(2):133–8, 1975

Effects of 8-methoxypsoralen-induced phototoxic effects on mammalian epidermal macromolecule synthesis in vivo. Epstein JH, et al. **Photochem Photobiol** 21(5):325–30, May 75

A biological screen of selected species of the genus Euphorbia for skin irritant effects. Kinghorn AD, et al.
Planta Med 28(4):326–35, Dec 75

Effects of D(–)penicillamine on skin collagen in man. Francis MJ, et al. **Postgrad Med J** 50 Suppl 2:30–3, Aug 74

An effect of amino thiols in vitro in skin (Abstract). Harkness RD. **Postgrad Med J** 50 Suppl 2:27, Aug 74

Effect of fenfluramine on certain enzymes and on skin and amniotic cells in tissue culture. Sapeika N.
Postgrad Med J 51 Suppl 1:85–7, 1975

Irritation threshold, tolerance and cross-reactions with clotrimazole applied to skin. Wahlberg JE.
Postgrad Med J 50 Suppl 1:53–4, Jul 74

Effects in the rat of intradermal injection of purified proteinases from streptococcus and Serratia marcescens. Conroy MC, et al. **Proc Soc Exp Biol Med** 150(3):801–6, Dec 75

Cutaneous reactions to topical application of hydroquinone. Results of a 6-year investigation. Bentley-Phillips B, et al. **S Afr Med J** 49(34):1391–5, 9 Aug 75

Effects of exogenous ATP on short-circuit current and potential difference of the isolated frog skin. Walker LE, et al. **Tex Rep Biol Med** 33(3):465–71, 1975

The effect of bleomycin on rapidly proliferating epidermis. A comparative investigation using micro-flow fluorometry, H3Tdr incorporation and a stathmokinetic method (colcemid). Clausen OP. **Virchows Archiv [Cell Pathol]** 19(4):337–48, 19Dec 75

[Physiology of the skin from the viewpoint of external pharmacotherapy] Rovenský J. **Cesk Farm** 24(10):449–54, Dec 75 **(Cze)**

[Depigmentizing effect of a glucocorticoid applied topically to black giunea pig skin] Arnold J, et al.
C R Soc Biol (Paris) 169(1):262–4, 1975 (Eng. Abstr.) **(Fre)**

[The effect of castration on the mast cells of the ventral gland of male gerbils (Meriones unguiculatus, Gerbillidae)] Salès N. **C R Soc Biol (Paris)** 169(4):856–62, 1975 (Eng. Abstr.) **(Fre)**

[Irritant power of the principle chlorinated aliphatic solvents on the skin and ocular mucosa of the rabbit] Duprat P, et al. **Eur J Toxicol Environ Hyg** 9(3):171–7, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Action of corticosteroids on cutaneous cicatrization. Use in maxillofacial surgery] Grellet M, et al.
Rev Stomatol Chir Maxillofac 76(5):379–83, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Kinetics of cell proliferation in normal epidermis before and after application of 1 per cent vitamin A-acid solution (author's transl)] Pullmann H, et al. **Arch Dermatol Res** 253(1):71–6, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Investigations on the mechanism of the activity of urea upon the epidermis (author's transl)] Wohlrab W, et al.
Arch Dermatol Res 255(1):23–30, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[The testing of sunscreening agents under practice-like conditions on rat skin in vitro] Ankermann KJ, et al.
Dermatol Monatsschr 161(4):281–6, Apr 75 (Eng. Abstr.) **(Ger)**

[Program for the testing of chemical-industry products for dermal and percutaneous toxicity] Heise H, et al.
Dermatol Monatsschr 161(12):1010–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of various drugs on the skin surface lipids] Rätz KH, et al. **Dermatol Monatsschr** 161(11):948–51, Nov 75 **(Ger)**

[Studies on the problem of moisterizing with syndets during the use of fluid Episan-soaps] Schlenzka K, et al.
Dermatol Monatsschr 161(6):470–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Studies on the problem of relipictization through Syndets in the use of Episan soaps. II. Quantitative determination

of lipoids on the skin surface] Schlenzka VK, et al. **Dermatol Monatsschr** 162(4):323–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Normalization process in the epidermis following its previous exposure to urea] Wohlrab W. **Dermatol Monatsschr** 162(7):585–9, Jul 76 (Eng. Abstr.) **(Ger)**

[Animal experiment studies on the sensitizing potency of shoe lacquer on a polychloroprene base] Ziegler V, et al. **Dermatol Monatsschr** 161(4):276–80, Apr 75 (Eng. Abstr.) **(Ger)**

[Reaction of epidermis after long-term action of urea] Wohlrab W, et al. **Dermatologica** 151(3):149–57, 1975 (Eng. Abstr.) **(Ger)**

[The effect of various solvents (benzene, toluene, acetone) used with carcinogens on the collagen content of the mouse dorsal skin] Mazzucco K. **Osterr Z Onkol** 2(2–3):49–51, 1975 (Eng. Abstr.) **(Ger)**

[Effect of oral estrogens on the skin of the woman in post-menopause or after castration] Aertgeerts J. **Ther Ggw** 113(10):1739–48, Oct 74 **(Ger)**

[Proceedings: Proliferation kinetics of the mouse skin under the influence of promoting and initiating substances] Goerttler K. **Verh Dtsch Ges Pathol** 59:483, 1975 **(Ger)**

[Effect of bleomycin on the proliferation and maturity of epidermal cells in nude mice] Iversen OH, et al. **Verh Dtsch Ges Pathol** 59:562, 1975 **(Ger)**

[Comparative studies on the action of various oil–bath additives] Gloor M, et al. **Z Hautkr** 50(10):429–36, 15 May 75 **(Ger)**

[Studies on the skin surface dosage of dermatopharmaceutical preparations] Lutz C, et al. **Z Hautkr** 50(18):753–69, 15 Sep 75 **(Ger)**

[Studies on the effect of the phosphororganic preparation on organism of pregnant rats, foetuses and the cells in tissue culture (author's transl)] Staszyc J, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:249–54, 1974 (Eng. Abstr.) **(Pol)**

[Effect of an anion–active detergent on the skin and the hair cycle in rats] Rubisz–Brzezińska J, et al. **Przegl Dermatol** 63(1):25–31, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Effect of metabolites of 7,12–dimethylbenz(a)anthracene on the dynamics of its fluorescence in the skin of hairless mice] Lopp AKh, et al. **Biull Eksp Biol Med** 80(12):78–81, Dec 75 (Eng. Abstr.) **(Rus)**

[Hyperpolarization of frog skin exposed to furosemide] Natochin IuV. **Biull Eksp Biol Med** 79(6):69–71, Jun 75 (Eng. Abstr.) **(Rus)**

[Action of synthetic surface–active substances on the skin] Ivanov VV, et al. **Farmakol Toksikol** 39(2):244–7, Mar–Apr 76 (72 ref.) **(Rus)**

[Sodium release from tissue paracellular space under the influence of angiotensin II] Zolotova VF, et al. **Fiziol Zh SSSR** 62(4):631–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Effect on the skin of the washing and disinfecting agent, DPM, used for the sanitary treatment of milking equipment and dairy utensils] Alagezian RG. **Gig Sanit** (4):105–6, Apr 76 **(Rus)**

[Skin reactions to the action of Apsheron industrial oils] Guseĭn–zade KM. **Gig Tr Prof Zabol** (7):51–2, Jul 75 **(Rus)**

[Prostaglandins and their effect on the skin] Mordovtsev VN, et al. **Sov Med** (6):74–7, Jun 75 **(Rus)**

[Histomorphological characteristics of the effect on the skin of some natural and synthetic detergents] Ivanov VV, et al. **Vestn Dermatol Venerol** (9):62–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of certain soaps on the skin] Ivanov VV. **Vestn Dermatol Venerol** (3):57–61, Mar 76 **(Rus)**

[Influence of metals of the platinum group on the skin in experiments on animals] Kolpakov FI, et al. **Vestn Dermatol Venerol** (11):61–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Method of study of skin contamination with chemical irritants and evaluation of the effectiveness of protective pastes] Suvorov SV, et al. **Vestn Dermatol Venerol** (10):70–3, Oct 75 (Eng. Abstr.) **(Rus)**

[Experimental and clinical cryogenic effect of liquid nitrogen on the skin] Zadorozhyni BA, et al. **Vestn Dermatol Venerol** (3):26–31, Mar 76 (Eng. Abstr.) **(Rus)**

[Macro and microscopic (histological and histochemical) study of cutaneous wheals in rats, guinea pigs and man produced with E–1, 3–2, F–1 alpha and F–2 alpha prostaglandins] Colombí PA, et al. **Allergol Immunopathol (Madr)** 3(3):149–58, May–Jun 75 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Embryology of the epidermis: ultrastructural aspects. II. Period of differentiation in the mouse with mammalian comparisons. Weiss LW, et al. **Acta Derm Venereol (Stockh)** 55(5):321–9, 1975

Embryology of the epidermis: ultrastructural aspects. III. Maturation and primary appearance of dendritic cells in the mouse with mammalian comparisons. Weiss LW, et al. **Acta Derm Venereol (Stockh)** 55(6):431–42, 1975

A histoquantitative study of the effect of maternal hypervitaminosis A on the differentiation of the foetal mouse skin. Nawar NN, et al. **Arch Anat Microsc Morphol Exp** 64(2):149–55, Apr–Jun 75

Effects of cortisol on serially propogated fibroblast cell cultures derived from the rabbit retal lung and skin. Smith BT, et al. **Can J Physiol Pharmacol** 53(6):1037–41, Dec 75

Evaluation of vitamin A analogs in modulating epithelial differentiation of 13–day chick embryo metatarsal skin explants. Wilkoff LJ, et al. **Cancer Res** 36(3):964–72, Mar 76

Control of epithelial development. Garber BB. **Curr Probl Dermatol** 6:154–90, 1976 (82 ref.)

Limb outgrowth in the chick embryo induced by dissociated and reaggregated cells of the apical ectodermal ridge. Errick JE, et al. **Dev Biol** 50(1):26–34, May 76

Epidermal protein metabolism directed toward keratinization by hydrocortisone in the chick embryonic skin growing in a chemically defined medium. Kojima A, et al. **Dev Biol** 48(1):173–83, Jan 76

Peridermal cell patterning in the feather–forming skin of the chick embryo. Sengel P, et al. **Dev Biol** 51(1):166–71, 1 Jul 76

Differentiation of the epidermis in the limb bud culture. pp. 213–26. Schultz–Ehrenburg U. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

A histochemical study of human fetal skin. Verma KB, et al. **J Anat** 121(1):185–191, Feb 76

Effects of steroid hormones on developing mouse skin in vitro. Singh A, et al. **J Endocrinol** 66(2):195–205, Aug 75

The identification of fibrous proteins in fetal rat epidermis by electrophoretic and immunologic techniques. Dale BA, et al. **J Invest Dermatol** 66(4):230–5, Apr 76

Elastic fibers in fetal dermis. Deutsch TA, et al. **J Invest Dermatol** 65(3):320–3, Sep 75

Changing patterns of incorporation of (14C)histidine and (3H)leucine into epidermal proteins during differentiation of fetal rat skin. Freinkel RK, et al. **J Invest Dermatol** 65(6):482–7, Dec 75

Development of dermal ridges in the fetus. Okajima M. **J Med Genet** 12(3):243–50, Sep 75

Active sodium uptake by the skin of foetal sheep and pigs. France VM. **J Physiol (Lond)** 258(2):377–92, Jun 76

[Mesenchymal genesis of Langerhans cells] Böck P. **Verh Anat Ges** 68:611–3, 1974 **(Ger)**

[Reaction of rat embryo tissues to mechanical trauma and to infection with Staphylococcus aureus (strain 209)] Belen'kaia SI. **Biull Eksp Biol Med** 80(7):115–8, Jul 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

alpha–N–benzoylarginine–2–naphthylamide hydrolase (cathepsin B1 ?) from rat skin. II. Purification of the enzyme and demonstration of two inhibitors in the skin. Järvinen M, et al. **Acta Chem Scand [B]** 29(7):772–80, 1975

Alpha–N–benzoylarginine–2–naphthylamide hydrolase (cathepsin B1?) from rat skin. I. Preliminary experiments with skin extract. Järvinen M, et al. **Acta Chem Scand [B]** 29(6):671–6, 1975

Alpha–N–Benzoylarginine–2–naphthylamide hydrolase (cathepsin BI?) from rat skin. III. Substrate specificity, modifier characteristics, and transformation of the enzyme at acidic pH. Järvinen M. **Acta Chem Scand [B]** 30(1):53–60, 1976

Inhibition of glucose–6–phosphate dehydrogenase activity by tretinoin. A contribution on the biochemical effects of tretinoin and on the rationale for using this compound in antipsoriatic therapy. Raab WP, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:61–3, 27–29 Jan 75

Differential effects of temperature on activity of LDH from seal and sheep skin. Blix AS, et al. **Acta Physiol Scand** 95(1):77–82, Sep 75

Distribution of acid and alkaline phosphatases in canine skin. Conroy JD, et al. **Am J Vet Res** 36(12):1697–1703, Dec 75

A rapid assay for epoxide hydratase activity with benzo (a)pyrene 4,5–(K–region)–oxide as substrate. Schmassmann HU, et al. **Anal Biochem** 74(1):94–104, Jul 76

Immunocytochemical localization of cathepsin D in rabbit skin. Lazarus GS, et al. **Arch Dermatol** 111(9):1150–3, Sep 75

Subcellular distribution of phosphatases, proteinases, and ribonucleases in normal human stratum corneum and psoriatic scales. Förster FJ, et al. **Arch Dermatol Res** 254(1):23–8, 14 Nov 75

Separation of deoxyribonucleases (DNases) of normal human stratum corneum and psoriatic scales by micro–disc–electrophoresis. Förster FJ, et al. **Arch Dermatol Res** 253(3):213–8, 29 Oct 75

Human skin proteases: separation and characterization of two alkaline proteases, one splitting trypsin and the other chymotrypsin substrates. Fräki JE, et al. **Arch Dermatol Res** 253(3):261–76, 29 Oct 75

Human skin proteases. Separation and characterization of two acid proteases resembling cathepsin B1 and cathepsin D and of an inhibitor of cathepsin B1. Fräki JE. **Arch Dermatol Res** 255(3):317–30, 21 Jun 76

Human skin proteases. Fractionation of psoriasis scale proteases and separation of a plasminogen activator and a histone hydrolysing protease. Fräki JE, et al. **Arch Dermatol Res** 256(2):113–26, 27 Aug 76

Degradation of deoxyribonucleic acid by guinea pig epidermal extracts. Miyagawa T, et al. **Arch Dermatol Res** 254(1):79–85, 14 Nov 75

Enzyme inhibition in human skin homogenates by hydrocortisone, hydrocortisone acetate and hydrotisone butyrate. Raab WP, et al. **Arch Dermatol Res** 255(3):265–70, 21 Jun 76

The tyrosinases of normal and diseased human skin (naevi, malignant melanoma, vitiligo). Voulot C, et al. **Arch Dermatol Res** 254(2):205–14, 10 Dec 75

Absence of hyaluronidase in cultured human skin fibroblasts. Arbogast B, et al. **Biochem Biophys Res Commun** 67(1):376–82, 3 Nov 75

Evidence for degradation of heparan sulfate by endoglycosidases: glucosamine and hexuronic acid are reducing terminals of intracellular heparan sulfate from human skin fibroblasts. Klein U, et al. **Biochem Biophys Res Commun** 69(1):158–66, 8 Mar 76

Proteolytic activity in human skin fibroblasts harvested with trypsin and its effect on measurements of collagen hydroxylase activities. Quinn RS, et al. **Biochem Biophys Res Commun** 71(1):300–6, 12 Jul 76

Subcellular distribution and cofactor function of human branched chain alpha–ketoacid dehydrogenase in normal and mutant cultured skin fibroblasts. Danner DJ, et al. **Biochem Med** 13(1):7–22, May 75

Multiple forms of cyclic nucleotide phosphodiesterase in pig epidermis. Adachi K, et al. **Biochim Biophys Acta** 429(2):498–507, 8 Apr 76

Ascorbic acid–2–sulfate sulfhohydrolase activity of human arylsulfatase A. Fluharty AL, et al. **Biochim Biophys Acta** 429(2):508–16, 8 Apr 76

Lysyl oxidase: a pituitary hormone–dependent enzyme. Shoshan S, et al. **Biochim Biophys Acta** 439(2):358–62, 9 Aug 76

The succinic dehydrogenase and cytochrome c oxidase activities of guinea–pig skin after mild heat damage. Carney SA, et al. **Br J Dermatol** 94(3):295–9, Mar 76

Phospholipase A and lysophospholipase activity of the epidermis. Long VJ. **Br J Dermatol** 92(6):603–10, Jun 75

Cytochemical identification of ATPase–positive langerhans cells in EDTA–separated sheets of mouse epidermis. Mackenzie IC, et al. **Br J Dermatol** 92(5):523–33, May 75

Ultrastructural localization and differentiation of membrane–bound ATP utilizing enzymes including adenyl cyclase in normal and psoriatic epidermis. Mahrle G, et al. **Br J Dermatol** 93(5):495–507, Nov 75

Lysosomal hydrolases of the epidermis. I. Glycosidases. Mier PD, et al. **Br J Dermatol** 93(1):1–10, Jul 75

Lysosomal hydrolases of the epidermis. 2. Ester hydrolases. Mier PD, et al. **Br J Dermatol** 93(4):391–8, Oct 75

Lysosomal hydrolases of the epidermis. 3. Peptide hydrolases. Mier PD, et al. **Br J Dermatol** 93(5):509–17, Nov 75

Lysosomal hydrolases of the epidermis. 4. Overall profile in comparison with dermis and other tissues. Mier PD, et al. **Br J Dermatol** 94(4):443–6, Apr 76

Lysosomal hydrolases of the epidermis. 5. Variation with depth in the cow snout. Mier PD, et al. **Br J Dermatol** 94(5):535–8, May 76

Absence of the sorbitol pathway in epidermis. Roelfzema H, et al. **Br J Dermatol** 94(5):577–8, May 76

Glucose–6–phosphate dehydrogenase in lichen planus skin. Ryan M, et al. **Br J Dermatol** 94(6):607–10, Jun 76

The effects of catecholamine and related compounds on the adenyl cyclase system in the epidermis. Yoshikawa K, et al. **Br J Dermatol** 93(1):29–36, Jul 75

Effects of short chain alcohols and hydrocarbon compounds on the adenylate cyclase of the skin. Yoshikawa K, et al. **Br J Dermatol** 94(6):611–4, Jun 76

Decrease of epidermal histidase activity by tumor–promoting phorbol esters. Colburn NH, et al. **Cancer Res** 35(11 Pt 1):3154–9, Nov 75

Croton oil– and benzo(a)pyrene–induced changes in cyclic adenosine 3':5'–monophosphate and cyclic guanosine 3':5'–monophosphate phosphodiesterase activities in mouse epidermis. Verma AK, et al. **Cancer Res** 36(1):81–7, Jan 76

Interactions between the redox state of the biophase and the effect of acetylcholine on the activity of (Na+ / K+) ATP–ase in Rana esculenta. Puppi A, et al. **Comp Biochem Physiol [C]** 50(1):75–9, 1 Jan 75

Horizontal distribution of three dehydrogenases in the cow snout epidermis. Cotton DW, et al. **Dermatologica** 151(1):16–20, 1975

The mechanism of photochemotherapy. Gmeiner B, et al. **Dermatologica** 152(5):281–5, 1976

Studies on the mechanisms of histidase development in rat skin and liver. II. Alterations in enzyme levels and synthetic rates during development. Bhargava MM, et al. **Dev Biol** 48(2):226–36, Feb 76

Studies on the mechanisms of histidase development in rat skin and liver. I. Basis for tissue specific developmental changes in catalytic activity. Bhargava MM, et al. **Dev Biol** 48(2):212–25, Feb 76

Characterization of acid phosphatase isoenzymes in human skin fibroblasts. Kaye CI, et al. **Enzyme** 21(2):108–14, 1976

Lactate dehydrogenase isozymes of mouse epidermis. Quevedo Jr WC, et al. **Experientia** 31(9):1034–6, 15 SEP 75

Extraction of collagenase from the 6000 times g sediment of uterine and skin tissues of mice. A comparative study. Wirl G. **Hoppe Seylers Z Physiol Chem** 356(8):1289–95, Aug 75

The histochemistry of armadillo skin. Campo–Aasen I, et al. **J Anat** 120(2):337–48, Nov 75

Ultrastructural localization of acid phosphatase in normal and X-irradiated epidermis. de Rey BM, et al. **J Cutan Pathol** 3(1):25–34, 1976

Immunocytological localization of lysozyme in human skin. Ogawa H. **J Dermatol (Tokyo)** 2(1):45–50, Mar 75

Studies in porphyria. IV. Expression of the gene defect of acute intermittent porphyria in cultured human skin fibroblasts and amniotic cells: prenatal diagnosis of the porphyric trait. Sassa S, et al. **J Exp Med** 142(3):722–31, 1 Sep 75

Cytochemical localization of cytochrome oxidase activity in monolayer cultures of human cells. Douglas WH, et al. **J Histochem Cytochem** 24(5):630–3, May 76

Epidermal activity of NAD-dependent isocitrate dehydrogenase in psoriasis during treatment with dithranol. Hammar H. **J Invest Dermatol** 65(3):315–9, Sep 75

Purification and biochemical characterization of rat skin cathepsin D. Heikkinen JE, et al. **J Invest Dermatol** 65(3):272–8, Sep 75

An evaluation of adenosine 3',5'-cyclic monophospate-dependent protein kinase activity in atopic dermatitis. Kumar R, et al. **J Invest Dermatol** 65(6):522–4, Dec 75

Adenosine 3'–5'-monophosphate-dependent protein kinases of neonatal human skin. Kumar R, et al. **J Invest Dermatol** 66(1):14–16, Jan 76

Glutathione-S-epoxide transferase in mouse skin and human foreskin. Mukhtar H, et al. **J Invest Dermatol** 66(3):161–4, Mar 76

A rat skin acid esteroprotease hydrolyzing benzoylarginine ethylester: purification and properties. Seppä HE, et al. **J Invest Dermatol** 66(3):165–71, Mar 76

Mouse epidermal aryl hydrocarbon hydroxylase. Thompson S, et al. **J Invest Dermatol** 66(02):108–11, Feb 76

Enzyme activities in the epidermis of zinc-deficient rats. Im MJ, et al. **J Nutr** 105(11):1391–4, Nov 75

Aldosterone effect in the epithelium of the frog skin–a new story about an old enzyme. Voûte CL, et al. **J Steroid Biochem** 6(7):1175–9, Jul 75

Anti-inflammatory steroids and collagen metabolism: glucocorticoid-mediated alterations of prolyl hydroxylase activity and collagen synthesis. Cutroneo KR, et al. **Mol Pharmacol** 11(5):632–9, Sep 75

Activatory action of trypsin on epidermis dopa-oxidase. Lozano JA, et al. **Rev Esp Fisiol** 31(1):21–8, Mar 75

Proceedings: Androgen metabolism in human fetal skin. Sharp F. **Scott Med J** 20(4):182, Jul 75

Activity of alpha-d-mannosidase in human Langerhans epidermal cells. Elleder M. **Virchows Archiv [Cell Pathol]** 19(1):93–6, 29 Sep 75

Acetylcholinesterase in atopic skin in relation to the B blockade model of atopy. Mier PD, et al. **Z Hautkr** 50(12):533–4, 15 Jun 75

[The histochemical evidence of the cholinesterase in the integument by means of the copper ferro cyanide methode (author's transl)] Lüdcke HJ, et al. **Acta Histochem (Jena)** 52(2):276–80, 1975 (Eng. Abstr.) **(Ger)**

[The method of demonstrating phenoloxidase] Schmidt H, et al. **Acta Histochem (Jena)** 53(2):306–14, 1975 (Eng. Abstr.) **(Ger)**

[Lack of beta-adrenergic stimulation of membrane bound adenyl cyclase in psoriasis as compared to normal epidermis (author's transl)] Mahrle G, et al. **Arch Dermatol Res** 253(2):195–202, 12 Sep 75 (Eng. Abstr.) **(Ger)**

[Membrane defect as a basic disorder of the growth control mechanism in psoriasis pathogenetic concept and therapeutic consequences (author's transl)] Orfanos CE, et al. **Dermatologica** 151(4):199–215, 1975 (Eng. Abstr.) **(Ger)**

[A simple thin-layer chromatographic assay of urocanic acid in the stratum corneum for evaluation of skin histidase activity (author's transl)] Schön R. **Paediatr Paedol** 11(1):313–8, 1976 (Eng. Abstr.) **(Ger)**

[Biochemical study of nucleases in cow snout epidermis (author's transl)] Ogura R, et al. **Jpn J Dermatol** 85(12):757–63, Oct 75 **(Jpn)**

[Morphological and cytochemical studies of cells in skin inflammatory exudates and peripheral blood cells in children with normal and enlarged thymus] Modzelewska I, et al. **Pediatr Pol** 50(12):1425–31, Dec 75 (Eng. Abstr.) **(Pol)**

[Transketolase activity of the skin of rats exposed to the combined action of x- and beta-radiation] Matiushichev VB, et al. **Radiobiologiia** 15(6):893–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Activity of some carbohydrate-metabolizing enzymes in sheep skin] Shvets' SF, et al. **Ukr Biokhim Zh** 48(1):27–9, Jan–Feb 76 **(Ukr)**

GROWTH & DEVELOPMENT

Kinetics of proliferation and differentiation in the hair follicle and epidermis in neonatally undernourished rats. Mathur M, et al. **Am J Pathol** 82(01):9–24, Jan 76

Changes in guinea-pig dermal collagen during development. Shuttleworth CA, et al. **Eur J Biochem** 55(2):391–5, 1 Jul 75

Chalones: specific regulators of eukaryote tissue growth. pp. 69–77. Maurer HR. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.** (17 ref.)

Growth and differentiation of skin. Flaxman BA, et al. **J Invest Dermatol** 67(1):8–14, Jul 76 (62 ref.)

The post-natal development of holocrine epidermal specializations in gekkonid lizards. Menchel S, et al. **J Morphol** 147(1):1–7, Sep 75

[Feather- and hair-forming properties of dermal cells of glabrous skin from bird and mammals] Dhouailly D, et al. **C R Acad Sci [D] (Paris)** 281(14):1007–10, 6 Oct 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Letter: Report of the meeting of the international committee of dermatology in Mexico City, October 31 to November 2, 1974. **Acta Derm Venereol (Stockh)** 55(5):398, 1975

Letter: An immunohistochemical study of the skin of healthy individuals. de la Faille-Kuyper EH, et al. **Acta Derm Venereol (Stockh)** 56(4):317–8, 1976

Immunofluorescent studies of the skin in mixed cryoglobulinaemia and Schönlein-Henoch purpura. Giannetti A, et al. **Acta Derm Venereol (Stockh)** 56(3):211–6, 1976

Cell-mediated immunity in chronic polymorphous light eruptions. Leukocyte migration inhibition assay with irradiated skin as antigen. Jansén CT, et al. **Acta Derm Venereol (Stockh)** 56(2):121–5, 1976

The activation of antigens of the basement membrane zone by proteolytic enzymes in vitro. Remy W, et al. **Acta Derm Venereol (Stockh)** 56(1):43–6, 1976

Deposits of immunoglobulins and complement in the dermoepidermal junction of patients with anaphylactoid purpura. Ullman S, et al. **Acta Derm Venereol (Stockh)** 55(5):359–62, 1975

The differential effects of cyclophosphamide and 6-mercaptopurine on the renal disease and skin immunoglobulin deposits of the NZB-NZW F1 hybrid mice. Hurd ER, et al. **Agents Actions** 6(1–3):364–8, Feb 76

Factors which determine the accumulation of immunoblasts in gut and skin. Parrott DM, et al. **Agents Actions** 6(1–3):32–9, Feb 76

Allopurinol hypersensitivity. Granular deposition of IgM at the dermal-epidermal junction. Utsinger PD, et al. **Am J Med** 61(2):287–94, Aug 76

Letter: Immunoglobulins and complement in skin in graft-versus-host disease. Ullman S, et al. **Ann Intern Med** 85(2):205, Aug 76

The sites of production and localization of IgE in canine tissues. Halliwell RE. **Ann NY Acad Sci** 254:476–88, 30 Jun 75

Detection of immunoglobulins in skin of bullous dermatoses with a super-sandwich technique. Holubar K. **Ann NY Acad Sci** 254:223–5, 30 Jun 75

T and B lymphocytes and cutaneous anergy in inflammatory bowel disease. Sachar DB, et al. **Ann NY Acad Sci** 278:565–73, 1976

Letter: Hair transplant plugs sites a source of immunofluorescence substrate. Barsky S, et al. **Arch Dermatol** 111(8):1071, Aug 75

Direct immunofluorescent study of systemic lupus erythematosus in Singapore. Tay CH, et al. **Australas J Dermatol** 16(1):22–31, Apr 75

Epidermal antigens in lichen planus. Abell E, et al. **Br J Dermatol** 92(6):631–6, Jun 75

The diagnostic significance of immunoglobulin and fibrin deposition in lichen planus. Abell E, et al. **Br J Dermatol** 93(1):17–24, Jul 75

The significance of a positive cutaneous immunofluorescence test in systemic lupus erythematosus. Dantzig PI, et al. **Br J Dermatol** 93(5):531–7, Nov 75

Leukotactic properties of soluble substances in psoriasis scale. Tagami H, et al. **Br J Dermatol** 95(1):1–8, Jul 76

The interaction of Concanavalin A and the surface coat of stratified squamous epithelium. Van Lis JM, et al. **Br J Dermatol** 92(1):27–35, Jan 75

Hypersensitivity to bacteria in eczema. I. Bacterial culture, skin tests and immunofluorescent detection of immunoglobulins and bacterial antigens. Welbourn E, et al. **Br J Dermatol** 94(6):619–32, Jun 76

Production of antisera with specificity for malignant melanoma and human fetal skin. Fritze D, et al. **Cancer Res** 36(2 Pt 1):458–66, Feb 76

The use of freshly explanted mouse epidermal cells for the in vitro induction and detection of cell-mediated cytotoxicity. Steinmuller D, et al. **Cell Immunol** 24(1):146–63, 1 Jun 76

The immunopharmacology of the immediate allergic response in skin. Greaves MW, et al. **Clin Exp Dermatol** 1(1):83–9, Mar 76 (19 ref.)

Passive sensitization of guinea-pig skin in vitro for the antigen-induced release of anaphylactic mediators. Jones DG, et al. **Clin Exp Immunol** 16(2):213–22, Feb 74

Potentiation of IgE-mediated cutaneous reactivity and blood leucocyte histamine release by deuterium oxide. Patterson R, et al. **Clin Exp Immunol** 19(2):335–42, Feb 75

Effect of disodium cromoglycate on antigen-evoked histamine release from human skin. Pearce CA, et al. **Clin Exp Immunol** 17(3):437–40, Jul 74

Effect of disodium cromoglycate on antigen-evoked histamine release from human skin. Pearce CA, et al. **Clin Exp Immunol** 17(3):437–40, Jul 74

Immune complexes in skin of NZB/NZW mice. Sommer VM, et al. **Clin Exp Immunol** 22(3):461–7, Dec 75

Immunologic sequelae of thermal injury. I. Frequency and relationship of epithelial antibodies to extent of burn. Ablin RJ, et al. **Clin Immunol Immunopathol** 5(2):195–207, Mar 76

Immunofluorescence studies on renal tissue, tonsils, adenoids, nasal polyps, and skin of atopic and nonatopic patients, with special reference to IgE. FeltkampVroom TM, et al. **Clin Immunol Immunopathol** 4(3):392–404, Sep 75

Investigations for skin antibodies in malignant neoplasms. Diederichsen H, et al. **Dermatologica** 151(2):96–9, 1975 (Eng. Abstr.)

Elimination of circulating antibodies. Attempts to eliminate antibodies circulating in rabbits using a fraction of normal human epidermis. Sood VD, et al. **Dermatologica** 150(2):86–91, 1975

Foetal-associated material: its expression in long-term cultured human skin. Lewis MG, et al. **Differentiation** 3(1–3):149–54, 11 Aug 75

Attempt to alter antigenic structure of normal tissues by treatment with dimethyl-triazeno-imidazole-carboxamide in vivo. Nicolin A, et al. **Experientia** 32(6):741–2, 15 Jun 76

[Letter: Immunofluorescence histology of dermatoses in schema and picture. I. Material and methodology, normal human skin, bullous dermatoses] Maucher OM, et al. **Hautarzt** 26(11):607–9, Nov 75

The mediation of tissue eosinophilia in hypersensitivity reaction. I. Isolation of two different chemotactic factors from DNP-Ascaris extract-induced skin lesion in guinea-pig. Hirashima M, et al. **Immunology** 30(2):203–12, Feb 76

The mediation of tissue eosinophilia in hypersensitivity reactions. II. Separation of a delayed eosinophil chemotactic factor from macrophage chemotactic factors. Hirashima M, et al. **Immunology** 31(2):263–71, Aug 76

History of the development of the secretory immunological system. pp. 381–8. Heremans JF. **In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8.** (36 ref.)

Skin sensitizing non-IgE antibodies association between human IgG S-TS and IgG4. pp. 19–28. Parish WE. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Cutaneous granulomatous response to BCG cell walls with reference to cancer immunotherapy. Granger DL, et al. **Infect Immun** 13(2):543–53, Feb 76

Specificity of antigens in aqueous phenol extracts of skin examined by means of guinea pig and rabbit immune sera. Krogh HK, et al. **Int Arch Allergy Appl Immunol** 49(4):519–29, 1975

Cutaneous immunofluorescence in systemic lupus erythematosus. Dantzig PI. **Int J Dermatol** 14(10):735–7, Dec 75

Inhibition by prednisone of late cutaneous allergic responses induced by antiserum to human IgE. Poothullil J, et al. **J Allergy Clin Immunol** 57(2):164–7, Feb 76

Clinical significance of serum properdin levels and properdin deposition in the dermal-epidermal junction in systemic lupus erythematosus. Schrager MA, et al. **J Clin Invest** 57(1):212–21, Jan 76

In vitro synthesis of paraproteins in pathological skin. Lai A Fat RF. **J Cutan Pathol** 1(2):95–102, 1974

The role of the skin and adjacent mucous membranes in host defense. Lai A Fat RF, et al. **J Cutan Pathol** 1(1):61–70, 1974

Proper biopsy technique for immunofluorescence tests on skin. Bean SF. **J Dermatol Surg** 2(2):148–50, May 76

Suppression of the antistreptolysin O response by cholesterol and by lipid extracts of rabbit skin. Kaplan EL, et al. **J Exp Med** 144(3):754–67, 1 Sep 76

The behavior of skin grafts incompatible with respect to skin alloantigens on mice rendered tolerant at birth with lymphoid cells. Silvers WK, et al. **J Exp Med** 143(6):1317–26, 1 Jun 76

Immune response during hyperimmunization: (XII) Long term skin-binding antibody in comparison with the ordinary passive cutaneous anaphylaxis (PCA) antibody in immune sera. Chiu SY, et al. **J Formosan Med Assoc** 74(9):613–9, Sep 75

Immune response during hyperimmunization. (XI) Passive sensitization of normal guinea pig skin sections and granulocytes by homologous anti-horse-serum antiserum. Chiu SY, et al. **J Formosan Med Assoc** 74(8):557–63, Aug 75

Immunofluorescent studies on basement membrane zone of skin. Deng JS, et al. **J Formosan Med Assoc** 74(5):333–40, May 75

Epidermal cytoplasmic antibodies: incidence and type in normal persons and patients with melanoma. Abel EA, et al. **J Invest Dermatol** 66(1):44–8, Jan 76

Herpes gestationis: fine structural pattern of immunoglobulin deposits in the skin in vivo. Hönigsmann H, et al. **J Invest Dermatol** 66(6):389–92, Jun 76

Production of epidermal acantholysis in normal human skin in vitro by the IgG fraction from pemphigus serum. Schiltz JR, et al. **J Invest Dermatol** 67(2):254–60, Aug 76

Occurrence of vascular IgA deposits in clinically normal skin of patients with renal disease. Faille-Kuyper EH, et al. **Kidney Int** 9(5):424–9, May 76

Immunological processes involving the oral mucosa in lichen planus. Walker DM. **Proc R Soc Med** 69(1):7–8, Jan 76

Lymphocyte activating alloantigens on human epidermal cells. Hirschberg H, et al. **Tissue Antigens** 6(4):183–94, Oct 75

Identification of tissue-specific antigens and concanavalin A receptors on rat epidermal cells using a radio-immunoprecipitation method. Lloyd KO, et al. **Tissue Antigens** 6(4):167-74, Oct 75

An immunofluorescent and electron microscopic study of measles skin eruptions. Kimura A, et al. **Tohoku J Exp Med** 117(3):245-56, Nov 75

The presence of HLA-D determinants on human skin cells. Hirschberg H, et al. **Transplantation** 21(4):343-7, APR 76

The effect of ethyl alcohol and beta-propiolactone inactivated vaccinia virus on the development of skin immunity and the production of hemagglutination inhibiting antibodies in guinea pigs, rabbits and monkeys. Lybing S, et al. **Z Immunitaetsforsch** 149(1):37-60, May 75

Hypersensitivity reactions to a methylated bovine serum albumin and human serum albumin in the skin and footpad of mice. Munoz J, et al. **Z Immunitaetsforsch** 146(5):443-53, Apr 74

[Local tolerance of vaccines adsorbed on immuno-stimulating substances] Levaditi JC, et al. **Sem Hop Ther** 51(2):117-8, Feb 75 **(Fre)**

[Detection of human anti-penicillin antibodies of IgE type by means of immunfluorescence and PCA in monkey skin (author's transl)] Kraft D, et al. **Z Immunitaetsforsch** 144(4):389-95, Dec 72 (Eng. Abstr.) **(Ger)**

[Evidence and significance of a haemagglutinin from the skin of cephalopods (author's transl)] Marthy HJ. **Z Immunitaetsforsch** 148(3):225-34, Dec 74 (Eng. Abstr.) **(Ger)**

[An immunohistochemical study of IgE in the skin of patients with systemic lupus erythematosus (author's transl)] Igarashi R. **Jpn J Dermatol [A]** 85(7):385-93, Jun 75 **(Jpn)**

[The influence of the thermal factor on the antigenic properties of skin] Kolker II, et al. **Biull Eksp Biol Med** 81(2):204-6, Feb 76 (Eng. Abstr.) **(Rus)**

[Autoantibodies to the common antigenic determinant of group A streptococcal polysaccharide and epithelial cells of mammalian thymus and skin] Liampert IM, et al. **Biull Eksp Biol Med** 81(5):570-2, May 76 (Eng. Abstr.) **(Rus)**

[Comparative study of the antigenic structure of human skin and its fractions separated by mechanical methods] Grigor'eva MA. **Vestn Dermatol Venerol** (8):31-4, Aug 75 (Eng. Abstr.) **(Rus)**

[Peculiarities of the antigenic structure of human skin] Komov OP, et al. **Vestn Dermatol Venerol** (2):26-9, Feb 76 (Eng. Abstr.) **(Rus)**

[Role of autoimmune processes in the pathogenesis of eczema and allergic dermatitis (review of the literature)] Nikolaev AI, et al. **Vestn Dermatol Venerol** (6):17-23, Jun 75 **(Rus)**

[Relationship of skin bactericidal activity and microflora to the monthly and seasonal fluctuations in the annual cycle] Zav'ialov AP, et al. **Voen Med Zh** (6):55-6, Jun 76 **(Rus)**

[Immunofluorescent and ultrastructural studies in a patient with impetigo herpetiformis] Robledo A, et al. **Actas Dermosifiliogr** 66(3-4):179-90, Mar-Apr 75 (Eng. Abstr.) **(Spa)**

INJURIES

Factitious affections in dermatology. Van Moffaert M. **Arch Belg Dermatol** 30(4):221-4, Oct-Dec 74

Effect of needle puncture and intradermal fluid injection on epidermal cell kinetics of albino guinea-pig skin. Taguchi YH, et al. **Arch Dermatol Res** 255(1):83-92, 10 Mar 76

Letter: Sutureless skin closure. Jelenko C 3rd. **Arch Surg** 111(6):724, Jun 76

Proceedings: Ivestigations on serum protein changes in mice after whole-body x-irradiation combined with open skin wounds. Henneberg R, et al. **Br J Cancer** 32(6):765, Dec 75

Proceedings: Radioprotective effect of WR 2721 in combined injured mice (x-irradiation and skin lesion). Verspohl F, et al. **Br J Cancer** 32(6):754-5, Dec 75

Localized Clostridium welchii wound infection ('Welch abscess') following a skin abrasion. Hulme JR. **Br J Clin Pract** 29(10):273-4, Oct 75

The effect of metal clips on the tensile properties of healing skin wounds. Harrison ID, et al. **Br J Surg** 62(12):945-9, Dec 75

The management of traumatic tattoos. Parsons RW. **Clin Plast Surg** 2(4):517-22, Oct 75

Rapid regeneration of the dermal-epidermal junction after partial separation by vacuum: an electron microscopic study. Beerens EG, et al. **J Invest Dermatol** 65(6):513-21, Dec 75

Differences in the response of rodent oral mucosa and skin to repeated surface trauma. Mackenzie IC, et al. **J Prosthet Dent** 34(6):666-74, Dec 75

The reaction of hair follicles in the vicinity of full-thickness excised skin wounds in the dog. Winstanley EW. **J Small Anim Pract** 16(10):661-9, Oct 75

Deamination of biogenic amines and other nitrogenous compounds in granulation tissue from experimental wounds. Romanova LA, et al. **Med Biol** 53(4):205-9, Aug 75

Antibiotic sensitivity of pathogens from infected skin lesions. Bremner DA, et al. **NZ Med J** 82(545):83-5, 13 Aug 75

Epidermal wound healing under a new polyurethane foam dressing (Lyofoam). Winter GD. **Plast Reconstr Surg** 56(5):531-7, Nov 75

Traumatic injuries: office treatment of abrasions. Ryan AJ. **Postgrad Med** 59(2):213-4, Feb 76

Effect of calcitonin on DNA synthesis in experimental wounds. Lupulescu A. **Proc Soc Exp Biol Med** 150(3):703-6, Dec 75

Tumor and injury responses of rat skin after sieve pattern x irradiation. Albert RE, et al. **Radiat Res** 67(1):142-8, Jul 76

Chemoprotection against fractionated radiation exposures with WR-2721: skin injury. Echols FS, et al. **Radiat Res** 66(3):499-504, Jun 76

Collagen synthesis in primary and secondary rat skin wounds. Moore CD, et al. **Surg Forum** 26:558-60, 1975

Effect of suture materials on healing skin wounds. Van Winkle W Jr, et al. **Surg Gynecol Obstet** 140(1):7-12, Jan 75

Cutaneous reactions of alloxan diabetic rats to local thermal trauma. Lithner F, et al. **Ups J Med Sci** 80(2):99-102, 1975

Snout-rubbing as a vice in weaned pigs. Allison CJ. **Vet Rec** 98(13):254-5, 27 Mar 76

Letter: Snout rubbing in weaned pigs. Tindall JR. **Vet Rec** 98(17):345-6, 24 Apr 76

Cell patterns in open wound healing. Light and electron microscopic observations. Kim CS, et al. **Yonsei Med J** 16(2):83-98, 1975

Haemostatic plugs as a histological vital reaction in the skin wounds of guinea pigs. Laiho K. **Z Rechtsmed** 76(1):41-8, 5 Sep 75

[Subcutaneous phlebopathic calcifications] Van der Molen HR. **Phlebologie** 28(4):551-8, Oct-Dec 75 (Eng. Abstr.) **(Fre)**

[Scanning electron-microscopic findings in orthoergically damaged skin surfaces of hairless mice (author's transl)] Klaschka F, et al. **Arch Dermatol Res** 255(3):225-30, 21 Jun 76 **(Ger)**

[An entrance or an exit gunshot wound? Report of a case] Dirnhofer R. **Monatsschr Unfallheilkd** 78(11):544-50, Nov 75 (Eng. Abstr.) **(Ger)**

[Excoriation injuries of the penis and scrotum (author's transl)] Stoll HG, et al. **Urologe [A]** 14(6):272-6, Nov 75 (Eng. Abstr.) **(Ger)**

[The effect of chitin powder on the healing of skin wounds] Ervin V. **Magy Traumatol Orthop** 19(2):108-14, 1976 (Eng. Abstr.) **(Hun)**

[Treatment of scalped extremities] Uszyński H, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):143-8, 1976 (Eng. Abstr.) **(Pol)**

[Hormonal stimulation of the reparative process in the skin or fats with vitamin A deficiency] Khomullo GV, et al. **Arkh Anat Gistol Embriol** 70(1):62-6, Jan 76 (Eng. Abstr.) **(Rus)**

[An autoradiographic and electron microscopic study of fibroblasts under conditions of stimulation of the wound process] Dudnikova GN, et al. **Arkh Patol** 38(4):13-8, Apr 76 (Eng. Abstr.) **(Rus)**

[Current data on the functional morphology of granulation tissue cells in skin wounds] Muzykant LI, et al. **Arkh Patol** 37(5):80-7, 1975 (111 ref.) (Eng. Abstr.) **(Rus)**

[Stimulation of fibrillogenesis in granulation tissue] Dudnikova GN, et al. **Biull Eksp Biol Med** 80(12):96-9, Dec 75 (Eng. Abstr.) **(Rus)**

[Completeness of skin regeneration] Efimov EA. **Biull Eksp Biol Med** 81(3):368-70, Mar 76 (Eng. Abstr.) **(Rus)**

[Influence of burned skin toxin on the state of hemodynamics in rats] Matvienko VP, et al. **Biull Eksp Biol Med** 81(3):275-6, Mar 76 (Eng. Abstr.) **(Rus)**

[Characteristics of a specific antigen of burned skin] Movshev BE. **Biull Eksp Biol Med** 80(11):74-6, Nov 75 (Eng. Abstr.) **(Rus)**

[Changes in mesenteric microcirculation in rats following repeated skin burns] Shtykhno IuM. **Biull Eksp Biol Med** 82(7):794-7, Jul 76 (Eng. Abstr.) **(Rus)**

[Classification of wounds in chemical burns] Orlov AN, et al. **Khirurgiia (Mosk)** (4):17-21, Apr 75 (Eng. Abstr.) **(Rus)**

[Rare location of trichobezoars] Oganesian SZ. **Klin Khir** (7):46-7, Jun 75 **(Rus)**

[Use of collagen coverings in treating deep burn wounds of the skin (an experimental study)] Kantemirova BF, et al. **Vestn Akad Med Nauk SSSR** (7):82-5, 1975 **(Rus)**

[The effect of prolonged painful stimulation on the rate of experimental skin wound healing in rats] Morozova IO. **Fiziol Zh** 20(6):827-8, Nov-Dec 74 **(Ukr)**

INNERVATION

Reflex effects of thermal stimulation on sympathetic nerve activity to skin and kidney. Ninomiya I, et al. **Am J Physiol** 230(2):271-8, Feb 76

Histophysiology of the vegetative peripheral nervous system of skin. Förster FJ, et al. **Arch Dermatol Res** 254(3):295-302, 31 Dec 75

Quantitative measurement of cutaneous sensory response to vibration. Ide H, et al. **Biol Cybern** 19(3):131-5, 1 Sep 75

Proceedings: Nerve supply as a stimulator of the growth of tissues, including skin. Whimster IW. **Br J Dermatol** 95 Suppl 24:9, Jul 76

Test for left-right chemospecificity in frog cutaneous nerves. Scott MY, et al. **Brain Behav Evol** 11(1):60-72, 1975

Coding of steady and transient temperatures by cutaneous 'cold' fibers serving the hand of monkeys. Dykes RW. **Brain Res** 98(3):485-500, 21 Nov 75

Effect of activation and adaptation on the sensitivity of slowly adapting cutaneous mechanoreceptors. Horch KW, et al. **Brain Res** 98(1):109-18, 7 Nov 75

Receptive field sensitivity profile of mechanosensitive units innervating the glabrous skin of the human hand. Johansson RS. **Brain Res** 104(2):330-4, 12 Mar 76

Varying changes in heart rate produced by nociceptive stimulation of the skin in rats at different temperatures. Sato A, et al. **Brain Res** 110(2):301-11, 9 Jul 76

Identification of afferent C units in intact human skin nerves. Torebjörk HE, et al. **Brain Res** 67(3):387-403, 8 Mar 74

Changes of skin nerve sympathetic activity during induction of general anaesthesia with thiopentone in man. Wallin BG, et al. **Brain Res** 103(1):157-60, 13 Feb 76

Sensory mapping. Terzis JK. **Clin Plast Surg** 3(1):59-64, Jan 76

Effect of cryoprotective agents on rat cutaneous nerves. Menz LJ. **Cryobiology** 12(4):405-16, Aug 75

Ultrastructural abnormalities in the skin nerves of a patient with scleredema adultorum (Buschke) and diabetes mellitus. van de Staak WJ, et al. **Dermatologica** 151(4):223-7, 1975

The role of cutaneous afferents from the distal hindlimb in the regulation of the step cycle of thalamic cats. Duysens J, et al. **Exp Brain Res** 24:245-55, 26 Jan 76

Characteristics of single mechanoreceptive fibres innervating hairy skin of the human hand. Järvilehto T, et al. **Exp Brain Res** 25(1):45-61, 10 May 76

Somesthetic effects of damage to cats' ventrobasal complex, medial lemniscus or posterior group. Glassman RB, et al. **Exp Neurol** 48(3 Pt 1):460-92, Sep 75

Topography of the projection of the body surface of the cat to cuneate and gracile nuclei. Millar J, et al. **Exp Neurol** 49(1 Pt 1):281-90, Oct 75

Effects of skin cooling on stretch reflex activity in triceps surae of the decerebrate cat. Wolf SL, et al. **Exp Neurol** 49(1 Pt 1):22-34, Oct 75

Spontaneous thermoregulatory oscillations in cutaneous efferent sympathetic activity. Iriki M, et al. **Experientia** 32(7):879-80, 1976

Glycogen in epidermal nerve terminals of Lacerta sicula (squamata: reptilia). Landmann L, et al. **Experientia** 31(8):967-8, 15 Aug 75

Ultrastructure of the perineurium of the nerves in the stratum reticulare and stratum papillare of the guinea pig corium. Charvát Z. **Folia Morphol (Praha)** 23(2):150-3, 1975

Descending influences on transmission through the spinocervical tract. pp. 105-8. Brown AG. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Peripheral neural determinants in the sensing of changes in skin temperature. pp. 23-37. Darian-Smith I, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Pain and itch sensations: specific chemosensory mechanisms in the human skin. pp. 94-102. Dash MS, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

A study of the cutaneous mechanoreceptive modalities projecting to the cerebellum. pp. 125-34. Eccles JC, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Some aspects of synaptic organizations in the spinocervical tract cell in the cat. pp. 218-26. Hongo T, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Cutaneous thermoreceptors and thermal nociceptors. pp. 5-22. Iggo A, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975 (44 ref.)

Functional connections of cutaneous thalamocortical relay cells within the ventrobasal complex of cat. pp. 270-6. Iwamura Y, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

The dynamic response of cold units of the cat. pp. 38-42. Kenshalo DR. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Cortical representation of evoked potentials relative to conscious sensory responses, and of somatosensory qualities--in man. pp. 291-308. Libet B, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Stabilization phenomena in synchronous neural activity of vibrissa receptors. pp. 204-7. Nier K. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Central processing of peripheral temperature information. pp. 78-93. Poulos DA. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Neuro-cutaneous relationships in fingerprint skin. pp. 193-9. Quilliam TA. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Somatic sensory responses of neurons in the parietal association area (area 5) of monkeys. pp. 250-61. Sakata H. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Temperature changes: signalled by cutaneous mechanoreceptors? pp. 43–4. Sassen M, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Somatosensory properties of neurons in the cat's claustrum. pp. 135–44. Spector I, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Thalamic transmission and spontaneous activity during different stages of acute experimental asphyxia. pp. 282–7. Watanabe S.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Cutaneous C fibers: peripheral properties and central connections. pp. 45–53. Zimmermann M.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Synchronization of respiratory frequency by somatic afferent stimulation. Iscoe S, et al. **J Appl Physiol** 40(2):138–48, Feb 1976

A device to measure cutaneous temperature sensitivity in humans and subhuman species. Kenshalo DR, et al. **J Appl Physiol** 39(6):1038–40, Dec 75

Tumor- and drug-induced cutaneous neuro-phospholipidosis. Orfanos CE, et al. **J Cutan Pathol** 2(5):232–9, 1975

Selective reinnervation in skin rotation grafts in Rana pipiens. Bloom EM, et al. **J Exp Zool** 195(2):237–46, Feb 76

Cutaneous innervation. Bourlond A. **J Invest Dermatol** 67(1):106–9, Jul 76 (21 ref.)

Comparative study of the innervation of the facila disc of selected mammals. Montagna W, et al. **J Invest Dermatol** 65(5):458–65, Nov 75

Cutaneous afferent activity in median and radial nerve fascicles: a microelectrode study. Burke D, et al. **J Neurol Neurosurg Psychiatry** 38(9):855–64, Sep 75

Effects of stimulus site on the pattern of skin conductance responses evoked from spinal man. Fuhrer MJ. **J Neurol Neurosurg Psychiatry** 38(8):749–55, Aug 75

Fibre function and perception during cutaneous nerve block. Mackenzie RA, et al. **J Neurol Neurosurg Psychiatry** 38(9):865–73, Sep 75

Functional properties of primary afferent units probably related to pain mechanisms in primate glabrous skin. Georgopoulos AP. **J Neurophysiol** 39(1):71–83, Jan 76

Changes in responses of medial pontomedullary reticular neurons during repetitive cutaneous, vestibular, cortical, and tectal stimulation. Peterson BW, et al. **J Neurophysiol** 39(3):564–81, May 76

Proceedings: Responses of dorsal column nuclei cells to stimulation of limb cutaneous sites of neonatal rats. Armstrong-James M. **J Physiol (Lond)** 256(1):7P–8P, Mar 76

Proceedings: Control of collateral sprouting in mechanosensory nerves of salamander skin. Cooper E, et al. **J Physiol (Lond)** 252(2):20P–21P, Nov 75

Proceedings: The sympathetic contribution to increase in heart rate evoked by cutaneous nerve stimulation in the dog. Kumagai Y, et al. **J Physiol (Lond)** 252(2):36P–37P, Nov 75

Proceedings: Coupling between cutaneous nerves. Matthews . B. **J Physiol (Lond)** 254(1):37P–38P, Jan 76

Proceedings: Changes in the probability of firing of human motor units following cutaneous nerve stimulation. Stephens JA, et al. **J Physiol (Lond)** 258(2):49P–51P, Jun 76

Response pattern of cutaneous postganglionic neurones to the hindlimb on spinal cord heating and cooling in the cat. Gregor M, et al. **Pfluegers Arch** 363(2):135–40, 12 May 76

Vasoconstrictor and pilomotor fibres in skin nerves to the cat's tail. Grosse M, et al. **Pfluegers Arch** 361(3):221–9, 24 Feb 76

Letters and notes: Warm fiber activity in human skin nerves. Konietzny F, et al. **Pfluegers Arch** 359(3):265–7, 9 Sep 75

The effect of carotid sinus nerve stimulation on muscle and skin nerve sympathetic activity in man. Wallin BG, et al. **Pfluegers Arch** 358(2):101–10, 21 Jul 75

Functional aspects of reinnervation of free skin grafts. Terzis JK. **Plast Reconstr Surg** 58(2):142–56, Aug 76

Fibre function and perception during cutaneous nerve block. Mackenzie RA, et al. **Proc Aust Assoc Neurol** 12:65–73, 1975

Adaptation in mechanoreceptors of amphibian skin. Catton WT. **Prog Brain Res** 43:227–31, 1976

Morphological basis of sensation in hairy skin. Cauna N. **Prog Brain Res** 43:35–45, 1976

Is the physiology of cutaneous receptors determined by morphology? Iggo A. **Prog Brain Res** 43:15–31, 1976

Physiological mechanisms of skin thermosensitivity. Ivanov K, et al. **Prog Brain Res** 43:143–9, 1976

Touch perception threshold in terms of amplitude and rate of skin deformation. Lindblom U. **Prog Brain Res** 43:233–6, 1976

Trophic regulation of nerve sprouting. Diamond J, et al. **Science** 193(4251):371–7, 30 Jul 76

Peripheral nerve stimulation for pain relief: effect on cutaneous peripheral nerve evoked activity. Ignelzi RJ, et al. **Surg Forum** 26:474–6, 1975

[Influence of cutaneous stimulations of variable intensity on the amplitude and variability of the H-reflex in normal man] Castaigne P, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):193–201, Apr-Jun 73 (Eng. Abstr.) **(Fre)**

[Tumor- and drug-induced cutaneous axonal dystrophy. An electronmicrocopy proof of multiple lamellated bodies] Runne U, et al. **Arch Dermatol Res** 254(1):55–66, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Evoked potential derived at the free nerve endings of the skin] Munakata A, et al. **J Physiol Soc Jpn** 36(8–9):308–9, 1 Sep 74 **(Jpn)**

[Electron microscopic study of experimental syphilitic reinduration: On the findings of Treponemas in the nerve fibres (author's transl)] Yanagihara M. **Jpn J Dermatol** 86(1):21–4, 1976 **(Jpn)**

[A method of determining thresholds for electrocutaneous stimulation of rabbits during long-term observations] Shevelev NA, et al. **Biol Nauki** (4):136–9, 1975 **(Rus)**

[Representation of cutaneous sensitivity in the cat red nucleus] Fanardzhian VV, et al. **Fiziol Zh SSSR** 62(4):499–509, Apr 76 (Eng. Abstr.) **(Rus)**

Vascular reflexes in intact and spinal cats following local thermostimulation of the skin] Tsitsurin VI. **Fiziol Zh SSSR** 62(4):578–85, Apr 76 (Eng. Abstr.) **(Rus)**

[The mechanism of skin receptor excitation during temperature stimulation] Zeveke AV. **Fiziol Zh SSSR** 62(1):91–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Multi-channel electrodermography as a method of examination of the vegetative nervous system] Gaevskil IuG, et al. **Klin Med (Mosk)** 53(9):101–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Structure of afferent flow in a cutaneous nerve during painful and non-painful mechanical stimulation of cat skin] Malysheva CI, et al. **Neirofiziologiia** 8(4):391–9, 1976 (Eng. Abstr.) **(Rus)**

[Several characteristics of afferent flow following skin injuries] Malysheva GI, et al. **Neirofiziologiia** 8(2):168–76, 1976 (Eng. Abstr.) **(Rus)**

[Spinal nerve root distribution of the myelinated and unmyelinated nerve fibers of a cat cutaneous nerve] Shaposhnikov VL. **Neirofiziologiia** 7(6):647–54, 1975 (Eng. Abstr.) **(Rus)**

[Afferent activity in fine myelinated and unmyelinated nerve fibers of a cutaneous nerve upon mechanical stimulation of cutaneous receptors] Shaposhnikov VL, et al. **Neirofiziologiia** 8(1):67–75, 1976 (Eng. Abstr.) **(Rus)**

[Adrenergic receptors in murine epidermis] Muskhelishvili LV, et al. **Tsitologiia** 18(5):627–9, 1976 (Eng. Abstr.) **(Rus)**

[Clinico-morphological parallels of aging of the skin and distal parts of the nerve trunks] Golovchenko DIa, et al. **Vrach Delo** (5):113–5, May 75 **(Rus)**

METABOLISM

Parallel studies on collagen hydroxyproline and hydroxylysine in human skin biopsies. Blumenkrantz N, et al. **Acta Derm Venereol (Stockh)** 56(2):93–8, 1976

Venous leg ulceration: skin and serum zinc concentrations. Dachowski EJ, et al. **Acta Derm Venereol (Stockh)** 55(6):497–8, 1975

Products of epidermal protein synthesis. Gilmartin ME, et al. **Acta Derm Venereol (Stockh)** 55(4):273–81, 1975

Biosynthesis of prostaglandins by human inflamed skin. Jorgensen HP, et al. **Acta Derm Venereol (Stockh)** 56(1):11–3, 1976

Studies on guinea pig skin cell cultures. V. Co-culture of pigmented melanocytes and albino keratinocytes, a model for the study of pigment transfer. Prunieras M, et al. **Acta Derm Venereol (Stockh)** 56(1):1–9, 1976

Regulation of prostaglandin E2 biosynthesis in guinea pig skin by retinoic acid. Ziboh VA. **Acta Derm Venereol [Suppl] (Stockh)** 74:56–60, 27–29 Jan 75

The melanogenic response to testosterone in scrotal epidermis: effects on tyrosinase activity and protein synthesis. Wilson MJ, et al. **Acta Endocrinol (Kbh)** 81(2):435–48, Feb 76

Collagen development in granulation tissue as compared with collagen of skin and aorta from injured and non-injured rats. Hansen TM. **Acta Pathol Microbiol Scand [A]** 83(6):721–32, Nov 75

Blood flow and release of free fatty acids in the omentum, mesentery and subcutaneous adipose tissue of the dog in haemorrhagic shock. Kovách AG, et al. **Acta Physiol Acad Sci Hung** 45(1–2):79–87, 1974

Effect of a competitive antagonist (8-leu-angiotensin II) of angiotensin II on sodium and water transport in toad skin. Coviello A, et al. **Acta Physiol Lat Am** 24(5):409–13, 1974

Pathways for chloride and sodium transport across toad skin. Bruus K, et al. **Acta Physiol Scand** 97(1):31–47, Mar 76

Chloride transport across isolated skin of Rana pipiens. Alvarado RH, et al. **Am J Physiol** 229(3):869–76, Sep 75

Mitochondria-rich cells of frog skin in transport mechanisms: morphological and kinetic studies on transepithelial excretion of methylene blue. Ehrenfeld J, et al. **Am J Physiol** 231(1):120–6, Jul 76

Importance of pulmonary ventilation in respiratory control in the bullfrog. Gottlieb G, et al. **Am J Physiol** 230(3):608–13, Mar 76

Determination of the ENa of from skin from studies of its current-voltage relationship. Helman SI, et al. **Am J Physiol** 229(4):947–51, Oct 75

Influence of vasopressin and amiloride on shunt pathways of frog skin. O'Neil R, et al. **Am J Physiol** 231(1):164–73, Jul 76

Testosterone metabolism in the skin. A review of its function in androgenetic alopecia, acne vulgaris, and idiopathic hirsutism including recent studies with antiandrogens. Price VH. **Arch Dermatol** 111(11):1496–1502, Nov 75

Biochemical and physiological particularities on the skin surface of diabetics. Gloor M, et al. **Arch Dermatol Res** 253(2):185–94, 12 Sep 75

Comparative study on the 3H-thymidine index of dorsal epidermis, buccal mucosa, and seminal vesicles in senile male rats. Hornstein OP, et al. **Arch Dermatol Res** 254(1):37–41, 14 Nov 75

Monensin's activity in sodium-potassium transport in the skin of frogs. Membrane potentials. Martínez Larrañaga MR, et al. **Arch Farmacol Toxicol** 1(2):111–24, Aug 75

Changes in the water and sodium permeability of amphibian skin in the presence of the efferent plasma of 'dehydrated dog kidney'. Tost H, et al. **Arch Int Physiol Biochim** 83(4):691–8, Oct 75

Periarticular uptake of 99mtechnetium diphosphonate in psoriatics: correlation with cutaneous activity. Namey TC, et al. **Arthritis Rheum** 19(3):607–12, May-Jun 76

Computer analysis of ion permeability across amphibian skin. Shinagawa Y, et al. **Bibl Anat** 13:76–7, 1975

Collagen polymorphism in experimental granulation tissue. Bailey AJ, et al. **Biochem Biophys Res Commun** 66(4):1160–5, 27 Oct 75

The role of epidermal aryl hydrocarbon hydroxylase in the covalent binding of polycyclic hydrocarbon to DNA and its relationship to tumor initiation. Buty SG, et al. **Biochem Biophys Res Commun** 70(4):1102–8, 21 Jun 76

Maturation of collagenous tissue: specific in vivo proteolytic cleavage of only alpha1(I) chains. Fukae M, et al. **Biochem Biophys Res Commun** 71(2):651–7, 26 Jul 76

Effect of beta-D-xylosides on collagen synthesis in cultured fibroblasts. Schwartz NB, et al. **Biochem Biophys Res Commun** 67(3):1108–13, 1 Dec 75

Identification of a major extracellular non-collagenous glycoprotein synthesised by human skin fibroblasts in culture. Sear CH, et al. **Biochem Biophys Res Commun** 71(1):379–84, 12 Jul 76

Bovine epidermal keratin filament assembly in vitro. Steinert PM, et al. **Biochem Biophys Res Commun** 70(1):221–7, 3 May 76

The existence of a glyconeogenic pathway in rat skin. Peters RF, et al. **Biochem J** 156(2):465–8, 15 May 76

Biosynthesis and hydrolysis of cholesteryl esters by rat skin subcellular fractions. Regulation by prostaglandins. Ziboh VA, et al. **Biochem J** 29(2):281–9, Nov 74

NH2-terminal extensions on skin collagen from sheep with a genetic defect in conversion of procollagen into collagen. Becker U, et al. **Biochemistry** 15(13):2853–62, 29 Jun 76

The effect of ethanol on ion transport in frog skin. Boyett JD, et al. **Biochim Biophys Acta** 436(3):686–95, 1 Jul 76

Deviations from the flux ratio equation for chloride ions in ouabain- and acetazolamide-treated frog skin. Idzerda PP, et al. **Biochim Biophys Acta** 419(3):530–9, 6 Feb 76

Histamine (H2) receptor-adenylate cyclase system in pig skin (epidermis). Iizuka Hadachi K, et al. **Biochim Biophys Acta** 437(1):150–7, 23 Jun 76

Developmental changes in glycosaminoglycans, collagen and collagenase activity in embryonic chick skin. Kawamoto T, et al. **Biochim Biophys Acta** 437(1):190–9, 23 Jun 76

Some features of hydrogen (ion) secretion by the frog skin. Machen T, et al. **Biochim Biophys Acta** 406(1):120–30, 16 Sep 75

Age-related variations in glycosylation of hydroxylysine in human and rat skin collagens. Murai A, et al. **Biochim Biophys Acta** 404(2):345–8, 9 Oct 75

Ornithine decarboxylase activity in relation to DNA synthesis in mouse interfollicular epidermis and hair follicles. Probst E, et al. **Biochim Biophys Acta** 407(2):147–57, 1 Oct 75

Cholesterol content and sterol synthesis in human skin fibroblasts and rat aortic smooth muscle cells exposed to lipoprotein-depleted serum and high density apolipoprotein/phospholipid mixtures. Stein O, et al. **Biochim Biophys Acta** 431(2):347–58, 27 May 76

Biosynthesis of acid mucopolysaccharides by the surviving new born rat skin. I. - Kinetics of the biosynthesis at the polymer level. Hervé B, et al. **Biochimie** 57(11–12):1331–9, Nov-Dec 75

Biosynthesis of acid mucopolysaccharides by the surviving new born rat skin. II. - Specific labelling of individual monosaccharides from (U14C)-glucose. Metabolic origin of L-iduronic acid. Hervé B, et al. **Biochimie** 57(11–12):1341–5, Nov-Dec 75

Polymeric collagen of skin in osteogenesis imperfecta, homocystinuria and Ehlers-Danlos and Marfan syndromes. Francis MJ, et al. **Birth Defects** 11(6):15–21, 1975

Dystrophic epidermolysis bullosa with epidermal neoplasms with emphasis on a dermal collagen defect. Reed WB, et al. **Birth Defects** 11(6):153–66, 1975 (50 ref.)

Prostaglandins and cyclic AMP in epidermis. Evidence for the independent action of prostaglandins and adrenaline on the adenyl cyclase system of pig and human epidermis, normal and psoriatic. Adachi K, et al. **Br J Dermatol** 92(4):381–8, Apr 75

Comparative bio-availability and activity of proprietary topical corticosteroid preparations: vasoconstrictor assays on thirty-one ointments. Barry BW, et al. **Br J Dermatol** 93(5):563–71, Nov 75

Proceedings: Increase in prostaglandin E2 and F2alpha in inflammatory exudate at 4–48 h after UVB irradiation of human skin. Black AK, et al. **Br J Dermatol** 95 Suppl 24:21–2, Jul 76

The adenosine triphosphate content and lactic acid production of guinea-pig skin after mild heat damage. Carney SA, et al. **Br J Dermatol** 94(3):291–4, Mar 76

DNA synthesis and mitosis in uninvolved epidermis of persistent palmoplantar pustulosis. Clayton R, et al. **Br J Dermatol** 94(6):603–6, Jun 76

Sebaceous lipogenesis in human skin. Variability with age and with severity of acne. Cooper MF, et al. **Br J Dermatol** 94(2):165–72, Feb 76

Epidermal lipid metabolism in psoriasis and lichen simplex. Cooper MF, et al. **Br J Dermatol** 94(4):369–78, Apr 76

Kinetics of in vitro bovine keratohyalin synthesis. Elias PM, et al. **Br J Dermatol** 95(2):115–22, Aug 76

Incorporation of I-14C-acetate into the lipids of isolated epidermal cells. Long VJ. **Br J Dermatol** 94(3):243–252, Mar 76

Essential fatty acids and the skin. Prottey C. **Br J Dermatol** 94(5):579–85, May 76

Skin surface lipid composition in rosacea. Pye RJ, et al. **Br J Dermatol** 94(2):161–4, Feb 76

A study of the permeability barrier in epidermis and oral epithelium using horseradish peroxidase as a tracer in vitro. Squier CA, et al. **Br J Dermatol** 95(2):123–9, Aug 76

Is the cyclic AMP in psoriatic epidermis low? Yoshikawa K, et al. **Br J Dermatol** 93(3):253–8, Sep 75

The influence of TSH and ACTH on purine and pteridine deposition in the skin of rainbow trout (Salmo gairdneri). Premdas FH, et al. **Can J Zool** 54(4):576–81, Apr 76

A retinoic acid–binding protein from chick embryo skin. Sani BP, et al. **Cancer Res** 36(2 Pt 1):409–13, Feb 76

Dimethyl sulfoxide–induced enhancement of 7,12–dimethylbenz(a)anthracene metabolism and DNA binding in differentiating mouse epidermal cell cultures. Yuspa SH, et al. **Cancer Res** 36(3):947–51, Mar 76

Effect of surface–active agent on the active transport of sodium in frog skin. Futami T, et al. **Chem Pharm Bull (Tokyo)** 24(2):193–9, Feb 76

Collagen in rheumatoid arthritis. Adam M, et al. **Clin Chim Acta** 70(1):61–9, 1 Jul 76

Phospholipid composition of cultivated skin fibroblasts in Duchenne's muscular dystrophy. Kohlschütter A, et al. **Clin Chim Acta** 70(3):463–5, 2 Aug 76

Specific 5alpha–dihydrotestosterone binding in labial skin fibroblasts cultured from patients with male pseudohermaphroditism. Kaufman M, et al. **Clin Genet** 9(6):567–74, Jun 76

The distribution of (14C) cholesterol in muscle and skin of Rhesus monkeys after intravenous injection. Moutafis CD, et al. **Clin Sci Mol Med** 50(4):307–10, Apr 76

Characteristics of vasopressin action on Na transport across the isolated toad skin. Huja BS, et al. **Comp Biochem Physiol [A]** 53(2):187–91, 1976

Incorporation of 3H–thymidine in stratum germinativum of epidermis in the toad Bufo bufo bufo (L): an autoradiographic study of moulting cycle and diurnal variations. Jørgensen CB, et al. **Comp Biochem Physiol [A]** 52(1):55–8, 1 Sep 75

The water content of muscle and cuticle of the woodlouse Oniscus asellus in conditions of hydration and desiccation. Mayes KR, et al. **Comp Biochem Physiol [A]** 53(3):253–8, 1976

The amount and distribution of calcium in the exoskeleton of the intermoult crayfish Parastacoides tasmanicus (Erichson) and Astacopis fluviatilis (Gray). Mills BJ, et al. **Comp Biochem Physiol [A]** 53(4):355–60, 1976

The respiration of skin and brain in relation to phosphorylcholine and phosphorylethanolamine metabolism in the guinea-pig, Cavia porcellus. Godfrey G. **Comp Biochem Physiol [B]** 52(2):201–4, 15 Oct 75

Synthesis of N–acetyl neuraminic acid from [14C] glucose by the epidermis of the brown trout, Salmo trutta L. Pickering AD. **Comp Biochem Physiol [B]** 54(3):325–8, 1976

Bioluminescence of bathypelagic fish from the Strait of Messina. Baguet F, et al. **Comp Biochem Physiol [C]** 53(2):75–82, 1976

Mathematics of non–steady state uptake and release of Na in a frog skin epidermis model. Howell JR, et al. **Comput Biol Med** 6(2):121–31, Apr 76

Response characteristics of a multicompartment frog skin epidermis model. Huf EG, et al. **Comput Biol Med** 6(2):133–48, Apr 76

Computer analysis of the Na+ shunt pathways in frog skin epidermis. Huf EG, et al. **Comput Biomed Res** 9(1):11–20, Feb 76

Metabolic changes in rat skin during preservation and storage in glycerol buffer at –196 degrees C. De Loecker W, et al. **Cryobiology** 13(1):24–30, Feb 76

Seasonal differences in drug– and temperature–dependent changes of the sodium transport across the isolated frog skin. Knapowski J, et al. **Curr Probl Clin Biochem** 4:188–95, 1975

The comparative evaluation of methoxyflurane and diethyl ether action upon an active sodium transport across isolated frog skin preparation. Szulc R, et al. **Curr Probl Clin Biochem** 4:135–9, 1975

Biological approaches to the study of the keratinization process. Bauer FW. **Curr Probl Dermatol** 6:1–33, 1976 (110 ref.)

Biochemical and physiological parameters on the healthy skin surface of patients with common warts. Gloor M, et al. **Dermatologica** 152(3):152–7, 1976

Tritiated thymidine uptake in pig skin. Comparison of in vivo and in vitro techniques. Jurnovoy JB, et al. **Dermatologica** 150(2):92–95, 1975

Particle size of dexamethasone incorporated in ointment and its behaviour during penetration in the stratum corneum of living skin. Kleine–Natrop HE. **Dermatologica** 152 Suppl 1:101–6, 1976

Systemic effects and percutaneous absorption of topically applied 0.1% hydrocortisone 17–butyrate. Kukita A, et al. **Dermatologica** 152 Suppl 1:197–207, 1976

Skin porphyrin and photosensitivity in the porphyric rat. Miura T, et al. **Dermatologica** 151(2):80–8, 1975

Studies on the species, amount and base composition of nucleic acids in psoriatic scales and normal horny layer. Peter G, et al. **Dermatologica** 151(6):333–41, 1975

Penetration of corticosteroids through the skin in relation to the vehicle. Ponec M. **Dermatologica** 152 Suppl 1:37–46, 1976

Effect of hydrocortisone 17–butyrate on the percutaneous absorption of antibiotics. Simon N, et al. **Dermatologica** 152 Suppl 1:215–9, 1976

Penetration of drugs through the skin. Stoughton RB. **Dermatologica** 152 Suppl 1:27–36, 1976

Determination of protoporphyrin in plasma and suction–blister fluid from light–irradiated and non–irradiated skin in protoporphyria patients. Wiersema–van Gog H, et al. **Dermatologica** 151(1):9–15, 1975

Effect of gymnodinium breve toxin(s) on frog skin and the giant axon of the squid. Kim YS, et al. **Environ Lett** 9(3):255–64, 1975

Nickel–epidermal interactions: diffusion and binding. Samitz MH, et al. **Environ Res** 11(1):34–9, Feb 76

Disturbance in the regulation of the type of collagen synthesized in a form of osteogenesis imperfecta. Müller PK, et al. **Eur J Biochem** 59(1):97–104, 1 Nov 75

Dilantin–calcium interaction and active Na transport in frog skin. Riddle TG, et al. **Eur J Pharmacol** 33(1):189–92, Aug 75

Effect of age on sterols and steryl esters in pigeon skin and aorta. Rymaszewski ZJ, et al. **Exp Gerontol** 10(6):313–7, 1975

Appearance of sex hormone receptors in frog (Rana esculenta) tadpole skin during metamorphosis. Chieffi G, et al. **Experientia** 31(8):989–90, 15 Aug 75

USe of tissue culture medium for in vitro studies on the ion transport capacity of amphibian epithelia. Emílio MG, et al. **Experientia** 31(12):1418–20, 15 Dec 75

Effect of furosemide on the permeability to Cl of the isolated skin of Leptodactylus ocellatus. Montoreano R, et al. **Experientia** 31(11):1306–8, 15 Nov 75

Chalone regulation of the epidermal cell cycle. Thornley AL, et al. **Experientia** 31(9):1024–6, 15 SEP 75

Fluorescence spectral evidence that benzo(a)pyrene–DNA products in mouse skin arise from diol–epoxides. Daudel P, et al. **FEBS Lett** 57(3):250–3, 1 Oct 75

Histochemistry of lipids and carbohydrates in rat skin. 1. The epidermis and the superficial part of the follicle. Zvára J. **Folia Morphol (Praha)** 24(2):173–7, 1976

Histochemistry of lipids and carbohydrates in rat skin. 2. The hair follicle. Zvára J. **Folia Morphol (Praha)** 24(2):178–83, 1976

Mechanism of action of 2,3–dimercaptopropanol on reduction of skin serotonin level in frogs. Suzuki T, et al. **Fukushima J Med Sci** 21(1–2):11–20, Mar 75

Androgen metabolism in skin and skeletal muscle of the rainbow trout (Salmo gairdnerii) and in accessory sexual organs of the spur dogfish (Squalus acanthias). Hay JB, et al. **Gen Comp Endocrinol** 29(3):402–13, Jul 76

Metabolism of androgenic steroids in human skin. pp. 507–19. Julesz M. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

Oxygen consumption in relation to body size & respiratory surface area of a fresh water mud–eel Macrognathus aculeatum (Bloch). Ojha J, et al. **Indian J Exp Biol** 13(4):353–7, Jul 75

The involvement of a diol–epoxide in the metabolic activation of benzo(a)pyrene in human bronchial mucosa and in mouse skin. Grover PL, et al. **Int J Cancer** 18(1):1–6, 15 Jul 76

Skin surface lipids and male pattern alopecia. 1. Gravimetric investigation. Bonelli M, et al. **Ital Gen Rev Dermatol** 11(1):59–62, Jan–Apr 74

Phosphatases and epidermal nucleolysis. Santoianni P, et al. **Ital Gen Rev Dermatol** 11(2):111–22, May–Aug 74 (67 ref.)

Cystine metabolism in human fibroblasts. Comparison of normal, cystinotic, and gamma–glutamylcysteine synethetase–deficient cells. Oshima RG, et al. **J Biol Chem** 251(14):4287–93, 25 Jul 76

Comparison of the arginine esteropeptidases associated with the nerve and epidermal growth factor. Server AC, et al. **J Biol Chem** 251(1):165–73, 10 Jan 76

Dihydrotestosterone binding by cultured human fibroblasts. Comparison of cells from control subjects and from patients with hereditary male pseudohermaphroditism due to androgen resistance. Griffin JE, et al. **J Clin Invest** 57(5):1342–51, May 76

Male pseudohermaphroditism presumably due to target organ unresponsiveness to androgens. Deficient 5alpha–dihydrotestosterone binding in cultured skin fibroblasts. Kaufman M, et al. **J Clin Invest** 58(2):345–50, Aug 76

Glycopeptide storage in skin fibroblasts cultured from a patient with alpha–mannosidase deficiency. Tsay GC, et al. **J Clin Invest** 56(3):711–8, Sep 75

Prostaglandins in normal and pathological skin. Sondergaard J. **J Cutan Pathol** 1(6):275–90, 1974

Effect of solvents on cutaneous penetration of acridine orange. Regezi JA. **J Dent Res** 54(6):1232, Nov–Dec 75

Proceedings: Effect of prolactin on sodium transport across frog skin in vitro. Howard K, et al. **J Endocrinol** 67(2):56P–57P, Nov 75

Effect of amiloride and some of its analogues of cation transport in isolated frog skin and thin lipid membranes. Benos DJ, et al. **J Gen Physiol** 68(1):43–63, Jul 76

The synthesis of specific proteins in adult mouse epidermis during phases of proliferation and differentiation induced by the tumor promoter TPA, and in basal and differentiating layers of neonatal mouse epidermis. Balmain A. **J Invest Dermatol** 67(2):246–53, Aug 76

Distribution of cholesterol–5alpha,6alpha–epoxide formation and its metabolism in mouse skin. Chan JT, et al. **J Invest Dermatol** 66(02):112–6, Feb 76

Importance of pyrimidine nucleotide salvage pathways for DNA synthesis in skin. DeLapp NW, et al. **J Invest Dermatol** 66(5):306–12, May 76

Mammalian epidermal protein synthesis: initiation factors. Gilmartin ME, et al. **J Invest Dermatol** 67(2):240–5, Aug 76

Genesis of the sweat:plasma urea concentration gradient. Gordon RS Jr, et al. **J Invest Dermatol** 66(4):218–21, Apr 76

Effect of lipid solvents on protein, DNA, and collagen synthesis in human skin: an electron microscopic autoradiographic study. Lupulescu AP, et al. **J Invest Dermatol** 65(5):419–22, Nov 75

Factors affecting human percutaneous penetration of methotrexate and its analogues in vitro. McCullough JL, et al. **J Invest Dermatol** 66(02):103–7, Feb 76

Keratinization. Matoltsy AG. **J Invest Dermatol** 67(1):20–5, Jul 76 (38 ref.)

Octadecadienoic acids in the skin surface lipids of acne patients and normal subjects. Morello AM, et al. **J Invest Dermatol** 66(5):319–23, May 76

The quantitative distribution of gold in skin during chrysotherapy. Penneys NS, et al. **J Invest Dermatol** 65(3):331–3, Sep 75

In vitro uptake of calcium by dermis of patients with pseudoxanthoma elasticum. Gordon SG, et al. **J Lab Clin Med** 86(4):638–43, Oct 75

Prostaglandin E2 biosynthesis: changes in rabbit aorta and skin during experimental atherogenesis. Berberian PA, et al. **J Lipid Res** 17(1):46–52, Jan 76

Lithium transport across isolated frog skin epithelium. Reinach PS, et al. **J Membr Biol** 25(1–2):75–92, 4 Dec 75

Quantitative relationship between active sodium transport, expansion of endoplasmic reticulum and specialized vacuoles ('scalloped sacs') in the outermost living cell layer of the frog skin epithelium (Rana temporaria). Voûte CL, et al. **J Membr Biol** 21(3–4):273–89, 22 May 75

Ionic fluxes in isolated epithelial cells of the abdominal skin of the frog Leptodactylus ocellatus. Zylber EA, et al. **J Membr Biol** 22(3–4):265–84, 24 Jul 75

Acetic acid, a potent stimulator of mouse epidermal macromolecular synthesis and hyperplasia but with weak tumor–promoting ability. Slaga TJ, et al. **J Natl Cancer Inst** 55(4):983–7, Oct 75

Effect of vitamin B6 deficiency on collagen metabolism in rats. Tane N, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):105–14, 1976

Characteristics of the entry process for sodium in transporting epithelia as revealed with amiloride. Cuthbert AW, et al. **J Physiol (Lond)** 255(3):587–604, Mar 76

DNA synthesis in cultured human fibroblasts: regulation by 3':5'–cyclic AMP. Rechler MM, et al. **J Supramol Struct** 4(2):199–204, 1976

Effect of acetazolamide on sodium transport through the isolated frog skin at low and high external sodium concentrations. Garcia–Romeu F, et al. **Life Sci** 17(4):579–82, 15 Aug 75

Effects of furosemide on sodium content and transport pool in frog skin (Rana esculenta): comparison with vasopressin and ouabain. Axmann G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):275–84, 24 Sep 75

Transport of L–cystine by cultivated skin fibroblasts of normal subjects and patients with cystinosis. Kaye CI, et al. **Pediatr Res** 10(7):637–41, Jul 76

Disappearance of insulin response after enzymatic treatment of sodium–transporting amphibian epithelia. Crabbé J, et al. **Pfluegers Arch** 364(1):99–101, 29 Jun 76

Chloride transport in isolated frog (Rana temporaria) skin: changes in short–circuit currently, potential, resistance, and chloride flux elicited by furosemide. Lote CJ. **Pfluegers Arch** 362(2):181–4, 30 Mar 76

Abnormal levels of 3':5'–cyclic AMP in isoproterenol–stimulated fibroblasts from patients with cystic fibrosis. Buchwald M. **Proc Natl Acad Sci USA** 73(8):2899–903, Aug 76

Genetic complementation in heterokaryons of human fibroblasts defective in cobalamin metabolism. Gravel RA, et al. **Proc Natl Acad Sci USA** 72(8):3181–5, Aug 75

Increased concentrations of nonesterified arachidonic acid, 12L–hydroxy–5,8,10,14–eicosatetraenoic acid, prostaglandin E2, and prostaglandin F2alpha in epidermis of psoriasis. Hammarström S, et al. **Proc Natl Acad Sci USA** 72(12):5130–4, Dec 75

Advances in the knowledge of the metabolism of vitamin D. Fraser DR. **Proc Nutr Soc** 34(2):139–43, Sep 75 (17 ref.)

Glycogen metabolism in human skin fibroblasts. Influence of maltose on the activity of acid alpha-1, 4-glucosidase. Seiter CW, et al. **Proc Soc Exp Biol Med** 149(4):945–9, Sep 75

Stimulation and inhibition of biosynthesis of prostaglandins in human skin by some hydroxyethylated rutosides. Arturson G, et al. **Prostaglandins** 10(6):941–8, Dec 75

Factors affecting prostaglandin synthesis by rat skin microsomes. Kingston WP, et al. **Prostaglandins** 12(1):51–69, Jul 76

Effect of topical indomethacin on UVR-induced redness and prostaglandin E levels in sunburned guinea pig skin. Snyder DS. **Prostaglandins** 11(4):631–43, Apr 76

17 alpha estradiol: separation of estrogen effect on collagen from other clinical and biochemical effects in man. Meyer WJ 3d, et al. **Res Commun Chem Pathol Pharmacol** 13(4):685–95, Apr 76

Location of the source of the soluble skin surface proteins of cattle by immunofluorescence. Jenkinson DM, et al. **Res Vet Sci** 21(1):124–6, Jul 76

Experimental bovine Trichophyton verrucosum infection. Comparison of the rate of epidermal cell proliferation and keratinisation in non-infected and reinoculated cattle. Lepper AW, et al. **Res Vet Sci** 20(2):117–21, Mar 76

Histochemistry of lipids and glycides in the epidermis, corium, hair follicle and accessory glands of the pig. Hradil I, et al. **Sb Ved Pr Lek Fak Karlovy Univ** 17(5):407–59, 1974

Albumin deposition in human lung, skin, and skeletal muscle during surgery. Smith PC, et al. **Surg Forum** 26:91–3, 1975

Skin components: 14C acetate incorporation in vitro. With particular reference to lipid synthesis in the isolated (dissected) human sebaceous gland. Summerly R. **Trans St Johns Hosp Dermatol Soc** 60(1):1–23, 1974 (82 ref.)

[Variations in superficial cutaneous lipid levels during the menstrual cycle] Agache P, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):431–2, 1975 **(Fre)**

[Experimental model for the quantitative study of the transfer of melanin from melanocyte to keratinocyte in vitro] Dosso MY, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):55–8, 1975 **(Fre)**

[Progesterone administered by percutaneous route: an antiandrogen locally useful (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 36(2):55–62, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[RNA metabolism in chick embryo skin] Desveaux-Chabrol J. **Biochimie** 58(5):563–78, 1976 (Eng. Abstr.) **(Fre)**

[The effect of harmaline on sodium transport across isolated Rana esculents skin and Astacus leptodactylus branchiae] Ehrenfeld J, et al. **C R Acad Sci [D] (Paris)** 281(9):547–50, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Structural and biochemical alterations of human diabetic dermis studied by H-lysine incorporation and microscopy] Moczar M, et al. **Pathol Biol (Paris)** 24(5):329–36, May 76 (Eng. Abstr.) **(Fre)**

[Penetration of radioactive hydrocortisone in human skin from various ointment bases. II. In vivo-experiments (author's transl)] Zesch A, et al. **Arch Dermatol Forsch** 252(4):245–56, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Comparative autoradiographic in vitro-examinations of cell proliferation in normal and psoriatic epidermis using autologous plasma and eagles basel medium with 10% fetal calf serum for incubation (author's transl)] Pullmann H, et al. **Arch Dermatol Res** 254(3):327–32, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Radiochemical studies on the metabolism of cadaver-skin in the supravital phase] Berg S, et al. **Beitr Gerichtl Med** 32:280–5, 1974 (Eng. Abstr.) **(Ger)**

[Terminal products of lipid peroxidation in the human epidermis : demonstration, increase after UV-irradiation, pathogenic importance] Diezel W, et al. **Dermatol Monatsschr** 161(10):823–30, Oct 75 (Eng. Abstr.) **(Ger)**

[Effect of seasonal and climatic factors on skin-surface lipids] Gloor M, et al. **Dermatol Monatsschr** 161(12):996–1002, Dec 75 (Eng. Abstr.) **(Ger)**

[Influence of the lipid sampling method for the proof of paraffins in the skin-surface lipids] Josephs H, et al. **Dermatol Monatsschr** 161(2):97–103, Feb 75 (Eng. Abstr.) **(Ger)**

[Study on the mode of action of dithranol: increased lipid peroxidation and enzyme inhibition] Diezel W, et al. **Dermatologica** 150(3):154–62, 1975 (Eng. Abstr.) **(Ger)**

[New viewpoints on the development, maturation, and aging of cataneous connective tissue] Lindner J, et al. **Hautarzt** 27(5):214–25, May 76 (42 ref.) (Eng. Abstr.) **(Ger)**

[The penetration of drugs into the skin] Schaefer H, et al. **Hautarzt** 26(9):449–51, Sep 75 (6 ref.) **(Ger)**

[Penetration of heparin into the human skin] Schaefer H, et al. **Pharmazie** 31(4):251–4, Apr 76 **(Ger)**

[Copper, iron and magnesium content of the skin of albino, white, brown and black cattle] Cancedda M. **Boll Soc Ital Biol Sper** 51(13):775–80, 15 Jul 75 **(Ita)**

[Characterization and study of the origin of melanins isolated from the liver and skin of Rana esculenta L] Corsaro C, et al. **Boll Soc Ital Biol Sper** 51(22):1663–9, 30 Nov 75 **(Ita)**

[Modification of the test of the silver-affinity to the semi-fine and ultrafine fats of the skin of Bombina variegata pachypus] Delfino G. **Boll Soc Ital Biol Sper** 51(22):1689–95, 30 Nov 75 **(Ita)**

[Skins of albino animals contain melanin] Manunta G, et al. **Boll Soc Ital Biol Sper** 51(12):766–70, 30 Jun 75 **(Ita)**

[Histochemical determination of the apparent isoelectric point of the venom of the granulous skin glands of some amphibia] Barni S, et al. **Riv Istochim Norm Patol** 18(1–4):147, 1974 **(Ita)**

[Presence of adenosine triphosphoric acid in secretions of the 2 types of cutaneous granulous glands of Bombina variegata] Vialli M, et al. **Riv Istochim Norm Patol** 18(1–4):5–7, 1974 (Eng. Abstr.) **(Ita)**

[In vitro studies of fibroblasts in myotonic dystrophy (author's transl)] Nappi G, et al. **Riv Patol Nerv Ment** 95(5):632–6, Oct 74 (Eng. Abstr.) **(Ita)**

[Cytophotometric estimation of nuclear DNA content in normal and pathological epidermis (author's transl)] Sasai Y. **Jpn J Dermatol** 85(12):747–56, Oct 75 **(Jpn)**

[Nucleic acid metabolism in epidermis (author's transl)] Seiji M. **Jpn J Dermatol** 85(12):741–6, Oct 75 **(Jpn)**

[Fatty acid composition of atopic skin surface film lipids (author's transl)] Arai R, et al. **Jpn J Dermatol [A]** 85(4):261–2, 15 Mar 75 **(Jpn)**

[Histochemical study of fibroblasts and fibrous structures of the derma of rats in the process of postnatal development] Kruglikov GG, et al. **Arkh Anat Gistol Embriol** 68(4):43–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Comparison of the histochemical bases of epidermis differentiation in vertebrates] Mogil'naia GM, et al. **Arkh Anat Gistol Embriol** 70(3):46–52, Mar 76 (Eng. Abstr.) **(Rus)**

[Collagen metabolism in the skin with different vitamin K regimens] Sharaev PN, et al. **Biull Eksp Biol Med** 81(6):665–6, Jun 76 (Eng. Abstr.) **(Rus)**

[Immunochemical method of burn toxin isolation] Fedorov NA, et al. **Dokl Akad Nauk SSSR** 228(5):1248–51, 1976 **(Rus)**

[Pharmacological properties of a gelatin hydrolysate and its effect on some skin metabolic processes] Vysotskaia NB, et al. **Farmakol Toksikol** 38(6):715–8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Pu239 distribution and metabolism in the skin] Shvydko NS, et al. **Gig Sanit** (3):117–8, Mar 76 **(Rus)**

[Carbohydrate metabolism in the skin of rats with experimental dermatitis] Chirkin AA, et al. **J Abnorm Psychol** (4):29–32, 1976 **(Rus)**

[Metabolism of Am241 in the skin] Shvydko NS, et al. **Med Radiol (Mosk)** 21(2):75–8, Feb 76 **(Rus)**

[Relationship between certain indicators of lipid metabolism in the skin and blood in psoriasis] Dobzhanskiĭ SI, et al. **Vestn Dermatol Venerol** (2):15–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Effect of sensitization on the content of nucleic acids in the skin of animals] Kondrat'ev GG. **Vestn Dermatol Venerol** (2):28–31, Feb 74 (Eng. Abstr.) **(Rus)**

[Level of oxidative phosphorylation, ATP content, and ATPase activity in the skin at various stages of psoriasis] Pototskiĭ II, et al. **Vestn Dermatol Venerol** (8):7–12, Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of treatment factors on gas exchange through the skin in ichthyosis] Pototskiĭ II, et al. **Vestn Dermatol Venerol** (11):17–23, Nov 75 (Eng. Abstr.) **(Rus)**

[Study of folic acid content in the skin in psoriasis] Samoilov IL. **Vestn Dermatol Venerol** (3):63–5, Mar 76 **(Rus)**

[Age-related peculiarities of the lipolytic activity of human skin] Strenkovskaia AG, et al. **Vestn Dermatol Venerol** (9):56–8, Sep 75 **(Rus)**

[Histochemical studies of the oxidation-reduction processes in the skin in Kaposi's angioreticulosis] Sych LI, et al. **Vestn Dermatol Venerol** (2):3–7, Feb 74 (Eng. Abstr.) **(Rus)**

[Study of toxin from burned skin] Movshev BE, et al. **Vopr Med Khim** 21(6):633–7, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Study of lipoproteins in blood serum, liver and skin in eczema] Kovtunenko VS. **Vrach Delo** (6):123–4, Jun 74 (Eng. Abstr.) **(Rus)**

[Comparative histochemical analysis of proteins and their functionally active groups in the skin of the neck of albino rats after irradiation with laser beams and electroknife] Karas' GA. **Zh Ushn Nos Gorl Bolezn** (4):35–41, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Endotoxin-'E. coli' E.68/11 and active sodium transport (author's transl)] Sanz Barrera F, et al. **Arch Farmacol Toxicol** 1(1):47–52, Mar 75 (Eng. Abstr.) **(Spa)**

[Sodium transport across the epithelium of the frog skin] Aceves J. **Bol Estud Med Biol Suppl** 1:45–58, 1974 **(Spa)**

[Some peculiarities of skin metabolism with vitamin A deficit] Lyubovych EM, et al. **Ukr Biokhim Zh** 47(2):199–204, Mar-Apr 75 (Eng. Abstr.) **(Ukr)**

[Content of free and bound phenols in hair follicles of sheep skin] Shvetz' SF, et al. **Ukr Biokhim Zh** 47(2):238–41, Mar-Apr 75 (Eng. Abstr.) **(Ukr)**

MICROBIOLOGY

Study of elastolytic activity Propionibacterium acnes and Staphylococcus epidermis in acne vulgaris and in normal skin. Dick GF, et al. **Acta Derm Venereol (Stockh)** 56(4):279–82, 1976

Bacteria in hip surgery. A study of routine aerobic and anaerobic cultivation from skin and closed suction wound drains. Lindgren U, et al. **Acta Orthop Scand** 47(3):320–3, Jun 76

The use of human foreskin cell cultures for isolation of herpesvirus group in the diagnostic laboratory. Sharon N. **Am J Clin Pathol** 66(1):65–72, Jul 76

Yeast-like fungi recovered from normal human skin in Nsukka (Nigeria). Njoku-Obi AN, et al. **Antonie van Leeuwenhoek** 42(1–2):101–5, 1976

Effect of antimicrobial soap containing chlorhexidine on the microbial flora of skin. Aly R, et al. **Appl Environ Microbiol** 31(6):931–5, Jun 76

Preliminary studies on the characterization and distribution of Staphylococcus and Micrococcus species on animal skin. Kloos WE, et al. **Appl Environ Microbiol** 31(1):53–9, Jan 76

Distribution and persistence of Staphylococcus and Micrococcus species and other aerobic bacteria on human skin. Kloos WE, et al. **Appl Microbiol** 30(3):381–5, Sep 75

Effects of an antibacterial soap on the ecology of aerobic bacterial flora of human skin. Voss JG. **Appl Microbiol** 30(4):551–6, Oct 75

Letter: Stripping technique as an aid in dark-field diagnosis of syphilis. Soltani K. **Arch Dermatol** 112(4):558, Apr 76

Abnormal microorganisms and cell-mediated immunity in patients with intraoral cancer. Rice DH, et al. **Arch Otolaryngol** 102(2):99–100, Feb 76

Recovery of 61 Salmonella serotypes from artificially contaminated turkey skin. Fagerberg DJ, et al. **Avian Dis** 20(1):195–8, Jan-Mar 76

Increase in type A virus particles induced in BALB/c mouse epidermis during chemical carcinogenesis. Bibby MC, et al. **Br J Cancer** 32(6):660–6, Dec 75

The areal extent of dermatophyte infection. Knudsen EA. **Br J Dermatol** 92(4):413–6, Apr 75

Physiological and environmental control of Gram negative bacteria on skin. McBride ME, et al. **Br J Dermatol** 93(2):191–9, Aug 75

Dispersal of skin microorganisms. Noble WC. **Br J Dermatol** 93(4):477–85, Oct 75 (57 ref.)

The bacteriological ecosystem of the skin of children in an African tropical envirovment (Tanzania). Nsanzumuhire H, et al. **Br J Dermatol** 92(1):77–84, Jan 75

Natural antibiosis among skin bacteria as a primary defence against infection. Selwyn S. **Br J Dermatol** 93(5):487–93, Nov 75

Ultrasonic methods for sampling human skin micro-organisms. Stringer MF, et al. **Br J Dermatol** 94(5):551–5, May 76

Further studies on the attachment of bacteria to skin. Notermans S, et al. **Br Poult Sci** 16(5):487–96, Sep 75

Heat destruction of some bacterial strains attached to broiler skin. Notermans S, et al. **Br Poult Sci** 16(4):351–61, Jul 75

A replica-plating method for the identification of Micrococcaceae. Bibel DJ, et al. **Can J Microbiol** 21(11):1676–80, Nov 75

Comparative zone electrophoresis of esterases of Staphylococcus species isolated from mammalian skin. Zimmerman RJ, et al. **Can J Microbiol** 22(6):771–9, Jun 76

The effect of temperature and humidity on the growth of Trichophyton mentagrophytes spores on human stratum corneum in vitro. Knight AG. **Clin Exp Dermatol** 1(2):159–62, Jun 76

Effectiveness of certain teat dips and sanitizers in vitro and on teat skin against Mycoplasma agalactiae subsp. bovis. Jasper DE, et al. **Cornell Vet** 66(2):164–71, Apr 76

Bacterial colonisation and infection in lesions of the central nervous system. Raine PA, et al. **Dev Med Child Neurol [Suppl]** (35):111–6, 1975

The skin surface: an environment of Dermatophilus congolensis. pp. 146–61. Jenkinson DM. **In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.** (32 ref.)

Bacterial flora and the diabetic skin. Singh G, et al. **Indian J Med Res** 63(4):529–32, Apr 75

A comparative evaluation of bacteriologic and morphologic indices of Mycobacterium leprae in skin, lymph node, bone marrow, nerve and muscle. Kaur S, et al. **Int J Lepr** 43(1):55–7, Jan-Mar 75

The aerobic flora of the perivaginal area: its relation to contraception and deodorant sprays. Noble WC. **J Appl Bacteriol** 41(1):137–42, Aug 76

Differential quantitation of surface and subsurface bacteria of normal skin by the combined use of the cotton swab and the scrub methods. Evans CA, et al. **J Clin Microbiol** 3(6):576–81, Jun 76

Microbial skin flora of selected cancer patients and hospital personnel. McBride ME, et al. **J Clin Microbiol** 3(1):14–20, Jan 76

Quantitative assay of dermatophyte-infected guinea pig skin scales. Sinski JT, et al. **J Clin Microbiol** 1(2):150–3, Feb 75

Anaerobic and aerobic skin bacteria before and after skin-disinfection with chlorhexidine: an experimental study in volunteers. Nielsen ML, et al. **J Clin Pathol** 28(10):793–7, Oct 75

Resident and transient bacteria of the skin. Somerville-Millar DA, et al. **J Cutan Pathol** 1(6):260–4, 1974

Arabinose with LL-diaminopimelic acid in the cell wall of an aerobic coryneform organism isolated from human skin. Pitcher DG. **J Gen Microbiol** 94(1):225–7, May 76

Comparison of two methods for assessing the removal of total organisms and pathogens from the skin. Ayliffe GA,

et al. **J Hyg (Camb)** 75(2):259–74, Oct 75

Studies on diphtheria infection in and around Delhi (a bacteriological study from faucial and cutaneous lesions). Ayyagari A, et al. **J Indian Med Assoc** 65(12):328–31, 16 Dec 75

Skin flora maps: a tool in the study of cutaneous ecology. Bibel DJ, et al. **J Invest Dermatol** 67(2):265–9, Aug 76

Bacteriology. Kligman AM, et al. **J Invest Dermatol** 67(1):160–8, Jul 76 (45 ref.)

Propionibacterium levels in patients with and without acne vulgaris. Leyden JJ, et al. **J Invest Dermatol** 65(4):382–4, Oct 75

Age-related changes in the resident bacterial flora of the human face. Leyden JJ, et al. **J Invest Dermatol** 65(4):379–81, Oct 75

Quantification of bacteria in isolated pilosebaceous follicles in normal skin. Puhvel SM, et al. **J Invest Dermatol** 65(6):525–31, Dec 75

Enumeration of beta-haemolytic streptococci on normal skin by direct agar contact. Brown J, et al. **J Med Microbiol** 8(4):503–11, Nov 75

Quantitative studies on the dispersal of skin bacteria into the air. Noble WC, et al. **J Med Microbiol** 9(1):53–61, Feb 76

Bacterial contamination of skin used as a biological dressing. A potential hazard. Monafo WW, et al. **JAMA** 235(12):1248–9, 22 Mar 76

Anaerobic coryneforms isolated from human bone marrow and skin. Chemical, biochemical and serological studies and some of their biological activities. Saino Y, et al. **Jpn J Microbiol** 20(1):17–25, Feb 76

Editorial: Antibiosis amongst skin microorganisms. **Lancet** 2(7944):1080–9, 29 Nov 75

Letter: Antibiosis in skin flora. Bibel DJ, et al. **Lancet** 1(7952):200, 24 Jan 76

An alternative theory of herpes-simplex recurrence and a possible role for prostaglandins. Hill TJ, et al. **Lancet** 1(7956):397–9, 21 Feb 76

Viability of Myco. leprae in the skin and bone marrow of patients with lepromatous leprosy while on dapsone or lamprene. Karat AB. **Lepr Rev** 46(2 Suppl):69–72, Jun 75

Effect of mono treatment and combined treatment on the morphology of Myco. lepare in the skin. Leiker DL. **Lepr Rev** 46(2 Suppl):73–9, Jun 75

A simplification of the mouse foot-pad infection using Mycobacterium leprae from skin scrapes. Pearson JM. **Lepr Rev** 46(2):105–7, Jun 75

The mycotic flora of the human toe web. McGinnis MR, et al. **Mykosen** 19(3):84–6, Mar 76

Letter: Recognition of herpesvirus antigen in biopsied skin from a patient with encephalitis. Blenden DC. **N Engl J Med** 294(14):784, 1 Apr 76

Cross-infection: the danger of scaly skin. Tring FC. **Nurs Times** 72(9):330–1, 4 Mar 76

A sequential study of various modes of skin and umbilical care and the incidence of staphylococcal colonization and infection in the neonate. Johnson JD, et al. **Pediatrics** 58(3):354–61, Sep 76

Radiation effects on microbiological flora of patients with head and neck cancer. Gill G, et al. **Surg Forum** 26:533–4, 1975

Nutrient materials and the growth of bacteria on human skin. Murphy CT. **Trans St Johns Hosp Dermatol Soc** 61(1–2):51–7, 1975

[Antiseptic action of Remanex on the hand skin] Góral R, et al. **Pol Przegl Chir** 48(7):919–25, Jul 76 (Eng. Abstr.) **(Pol)**

[Dynamics of the normal flora and its pathogenic potential for the skin] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):179–83, Apr–Jun 75 **(Rum)**

[Significance of indicators of autoflora of the skin in development of immunologic reaction in stapylococcosis] Anikina TP, et al. **Klin Med (Mosk)** 54(2):113–8, Feb 76 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

An evaluation of skin snip techniques used in the quantitative assessment of microfilarial densities of Onchocerca volvulus. Kale OO, et al. **Bull WHO** 51(5):547–9, 1974

A comparative study of the death of schistosomula of Schistosoma haematobium and Schistosoma mansoni in the skin of mice and hamsters. Ghandour AM, et al. **J Helminthol** 50(1):39–43, Mar 76

Recovery of schistosomula in the skin of rhesus monkeys immunized with cercariae of Schistosoma japonicum exposed to high dose of x-irradiation. Hsü SY, et al. **J Parasitol** 61(6):1108–9, Dec 75

Letter: Population changes of the itch mite, Psorergates ovis, after shearing. Sinclair AN, et al. **NZ Vet J** 23(1–2):14, Jan–Feb 75

The mode of hatching of the monogenean Entobdella soleae, a skin parasite of the common sole (Solea solea). Kearn GC. **Parasitology** 71(3):419–31, Dec 75

The prognostic value of head nodules and microfilariae in the skin in relation to ocular onchocerciasis. Anderson J, et al. **Tropenmed Parasitol** 26(2):191–5, Jun 75

[A new species of the genus Megninia (Analgidae) found under the skin of a domestic chicken in Australia] Gaud J. **Acarologia** 16(2):325–30, Oct 74 (Eng. Abstr.) **(Fre)**

[(A method of evaluating microfilaria densities of Onchocerca volvulus Leuckart, 1893, in onchoceriasis patients. Assessment of microfilarial densities by site and levels of prevelance in skin biopsies; variations of microfilarial densities over a 24 hour period)] Picq JJ, et al. **Bull WHO** 51(2):145–53, 1974 (Eng. Abstr.) **(Fre)**

[The attachment response of the cercaria of Schistosoma mansoni. Influence of natural substrates and temperature (author's transl)] Haas W. **Z Parasitenkd** 49(1):63–72, 31 Mar 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Study of elastolytic activity Propionibacterium acnes and Staphylococcus epidermis in acne vulgaris and in normal skin. Dick GF, et al. **Acta Derm Venereol (Stockh)** 56(4):279–82, 1976

Apoptosis in lichen planus and several other dermatoses. Intra-epidermal cell death with filamentous degeneration. Hashimoto K. **Acta Derm Venereol (Stockh)** 56(3):187–210, 1976

Benign and malignant proliferative response. Dermal infiltration, origin and importance. Steigleder GK. **Acta Derm Venereol (Stockh)** 56(1):33–41, 1976

Cytolytic degeneration of keratinocytes adjacent to Langerhans cells in pityriasis rosea (Gibert). Takaki Y, et al. **Acta Derm Venereol (Stockh)** 56(2):99–103, 1976

Keratosis punctata palmaris et plantaris. A morphological study on the relation to the epidermal sweat duct unit. Tezuka T. **Acta Derm Venereol (Stockh)** 56(2):105–10, 1976

Kinetics of epidermis and adnexa following vitamin A acid in the human. Plewig G, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:87–98, 27–29 Jan 75

Lichen sclerosus atrophicans: an ultrastructural study of the regenerative potentiality of pathological tissues. Vukas A, et al. **Acta Med Iugosl** 29(4):297–306, 1975

Skin lesions of the legs and feet and skeletal lesions of the feet in familail amyloidosis with polyneuropathy. Lithner F. **Acta Med Scand** 199(3):197–202, 1976

150 open fractures of the tibial shaft—the relation between necrosis of the skin and delayed union. Tonnesen PA, et al. **Acta Orthop Scand** 46(5):823–35, Nov 75

Reticulosarcomatosis originating from skin—A clinicopathological study. Okayasu I, et al. **Acta Pathol Jpn** 25(2):201–12, Mar 75

Malignant hyperthermia in a family. The neurophysiological and light microscopical study of muscle biopsies of healthy members. Reske-Nielsen E, et al. **Acta Pathol Microbiol Scand [A]** 83(6):645–50, Nov 75

Onchocercal dermatitis: ultrastructural studies of microfilariae and host tissues, before and after treatment with diethylcarbamazine (Hetrazan). Gibson DW, et al. **Am J Trop Med Hyg** 25(1):74–87, Jan 76

Cutaneous T-cell lymphomas: the Sézary syndrome, mycosis fungoides, and related disorders. Lutzner M, et al. **Ann Intern Med** 83(4):534–52, Oct 75

Epidermal activity in annular dermatophytosis. Berk SH, et al. **Arch Dermatol** 112(4):485–8, Apr 76

Prurigo nodularis. Histological and electron microscopical study. Feuerman EJ, et al. **Arch Dermatol** 111(11):1472–7, Nov 75

Letter: Juxta-clavicular beaded lines. Jacoby WD, et al. **Arch Dermatol** 112(7):1034–5, Jul 76

Milker's nodules. Pathogenesis, tissue culture, electron microscopy, and calf inoculation. Leavell UW Jr, et al. **Arch Dermatol** 111(10):1307–11, Oct 75

Linear porokeratosis with giant cornoid lamella. McMillan GL, et al. **Arch Dermatol** 112(4):515–6, Apr 76

Pemphigus foliaceus. Early clinical appearance as dermatitis herpetiformis with eosinophilic spongiosis. Osteen FB, et al. **Arch Dermatol** 112(8):1148–52, Aug 76

Apparently normal skin in lepromatous leprosy: histopathological findings. Rea TH, et al. **Arch Dermatol** 3(12):1571–4, Dec 75

Persistent acantholytic dermatosis. A variant of transient acantholytic dermatosis (Grover disease). Simon RS, et al. **Arch Dermatol** 112(10):1429–31, Oct 76

Bullous transient acantholytic dermatosis. Waisman M, et al. **Arch Dermatol** 112(10):1440–1, Oct 76

Aleukemic leukemia cutis. Yoder FW, et al. **Arch Dermatol** 112(3):367–9, Mar 76

Utilization of acrylate-embedded large tissue samples in dermatohistology. Altmeyer P. **Arch Dermatol Res** 256(1):97–102, 26 Jul 76

The skin in magnesium-deficient rats. Davis H, et al. **Arch Dermatol Res** 254(1):1–13, 14 Nov 75

Investigative studies of the dermatitis caused by the larva of the brown-tail moth (Euproctis chrysorrhoea Linn.) II. Histopathology of skin lesions and scanning electron microscopy of their causative setae. de Jong MC, et al. **Arch Dermatol Res** 255(2):177–91, 21 Apr 76

Letter: Assessment of scleroderma skin involvement. Bunch TW, et al. **Arthritis Rheum** 18(6):629, Nov–Dec 75

Some observations of elastic tissue formation. Musso LA. **Australas J Dermatol** 17(1):22–5, Apr 76

Histological observations on epidermal development in fetal mice subject to intrauterine growth retardation due to maternal infections with Coxsackievirus B3. Lansdown AB. **Biol Neonate** 27(5–6):368–74, 1975

Secondary syphilis: a clinico-pathological review. Abell E, et al. **Br J Dermatol** 93(1):53–61, Jul 75

Lead and the skin. Allen BR, et al. **Br J Dermatol** 92(6):715–9, Jun 75 (37 ref.)

Solar urticaria. A case with possible increase of skin mast cells. Baart de la Faille H, et al. **Br J Dermatol** 92(1):101–7, Jan 75

Leucosis and skin: acute lymphoid immunoblastic leukaemia. Bernengo MG, et al. **Br J Dermatol** 95(1):45–9, Jul 76

Long-spacing collagen in skin biopsies from patients with lepromatous leprosy. Edwards RP. **Br J Dermatol** 93(2):175–82, Aug 75

Adnexal polyp of neonatal skin. Hidano A, et al. **Br J Dermatol** 92(6):659–62, Jun 75

The effect of the activity of psoriasis on the response to autologous ground skin extract. Hodgson C, et al. **Br J Dermatol** 92(5):519–22, May 75

The deoxyribonucleic acid (DNA) skin test in systemic lupus erythematosus. 2. Histological findings. Johansson EA, et al. **Br J Dermatol** 93(4):451–7, Oct 75

Milia occurring in lichen sclerosus et atrophicus. Leppard B, et al. **Br J Dermatol** 92(6):711–4, Jun 75

Surfometry. A method of evaluating the internal structure of the stratum corneum. Marks R, et al. **Br J Dermatol** 92(6):651–7, Jun 75

Elastotic degeneration. A light and electron microscopic study. Stevanović DV. **Br J Dermatol** 94(1):23–9, Jan 76

A method of liberating living cells from the dermal infiltrate. Tan RS, et al. **Br J Dermatol** 93(3):271–6, Sep 75

Identification of subpopulations of lymphocytes and macrophages in the infiltrate of lichen planus lesions of skin and oral mucosa. Walker DM. **Br J Dermatol** 94(5):529–34, May 76

Use of impulse cytophotometry for studying cell kinetics in a case of psoriasis pustulosa et arthropathica. Bauer FW, et al. **Dermatologica** 151(3):164–7, 1975

Mechanism of local skin atrophy caused by intradermally injected corticosteroids. Fülöp E. **Dermatologica** 152 Suppl 1:139–46, 1976

Steroid atrophy—a histological appraisal. Jones EW. **Dermatologica** 152 Suppl 1:107–15, 1976

Methods for the assessment of skin atrophogenicity of topical corticosteroids. Marks R. **Dermatologica** 152 Suppl 1:117–26, 1976

Quantification and identification of particle movement in epidermis after thermal injury. Bach CS, et al. **Histochem J** 8(4):331–9, Jul 76

The effect of castration and peroral estrogen therapy on a woman's skin. pp. 48–54. Rauramo L, et al. **In: van Keep PA, Lauritzen C, ed. Ageing and estrogens. Basel, Karger, 1973. W1 FR946F v.2 1973.**

Clinical pathologic observations in pseudoxanthoma elasticum. Eng AM, et al. **Int J Dermatol** 14(8):586–605, Oct 75

Fucosidosis: ultrastructural study of conjunctiva and skin and enzyme analysis of tears. Libert J, et al. **Invest Ophthalmol** 15(8):626–39, Aug 76

Alterations in the morphology of dermo-epidermal interface of pedal verrucae as revealed by scanning electron microscopy McCarthy DJ. **J Am Podiatry Assoc** 66(7):505–14, JUL 76

Evaluation of different methods for measuring and determining the size of tuberculin skin reactions in guinea pigs. Landi S, et al. **J Biol Stand** 4(1):35–8, 1976

Type II hyperprolinemia. Delta1-pyrroline-5-carboxylic acid dehydrogenase deficiency in cultured skin fibroblasts and circulating lymphocytes. Valle D, et al. **J Clin Invest** 58(3):598–603, Sep 76

Do excoriations in psoriasis delay or prevent the effect of topical treatment? Brody I. **J Cutan Pathol** 2(4):163–9, 1975

Stratum corneum in psoriasis vulgaris. A transmission and scanning electron microscopic study. Brody I, et al. **J Cutan Pathol** 1(1):33–46, 1974

Preliminary cutaneous pathology observations with the freeze-fracture technique. Caputo R, et al. **J Cutan Pathol** 2(1):41–6, 1975

Microscopic features of pustule formation in experimental impetigo of guinea pig. Jordan WE, et al. **J Cutan Pathol** 1(1):54–60, 1974

Light and electron microscopic study of Riehl's melanosis. Possible mode of its pigmentary incontinence. Nagao S, et al. **J Cutan Pathol** 1(4):165–75, 1974

Lichen striatus: a model for the histologic spectrum of lichenoid reactions. Reed RJ, et al. **J Cutan Pathol** 2(1):1–18, 1975

Langerhans cells in actinic reticuloid. Schnitzler L, et al. **J Cutan Pathol** 2(4):170–8, 1975

Electron microscopic observations of the so-called granuloma glutaeale infantum. Uyeda K, et al. **J Cutan Pathol** 1(1):26–32, 1974

The morphological variations of fibrous histiocytomas. Vilanova JR, et al. **J Cutan Pathol** 1(4):155–64, 1974

Cutis marmorata telangiectatica congenita. Way BH, et al. **J Cutan Pathol** 1(1):10–25, 1974

Pathogenesis of cutaneous lesions in acute meningococcemia in humans: light, immunofluorescent, and electron microscopic studies of skin biopsy specimens. Sotto MN, et al. **J Infect Dis** 133(5):506–14, May 76

Intranuclear tonofilaments in verruca vulgaris. Hashimoto K, et al. **J Invest Dermatol** 67(2):285–7, Aug 76

Mouse model for protoporphyria. III. Experimental production of chronic erythropoietic protoporphyria-like skin lesions. Hönigsmann H, et al. **J Invest Dermatol** 66(3):188–95, Mar 76

Lentigo senilis and its evolutions. Mehregan AH. **J Invest Dermatol** 65(5):429–33, Nov 75

Skin in dermatosparaxis. Dermal microarchitecture and biomechanical properties. Piérard GE, et al. **J Invest Dermatol** 66(1):2–7, Jan 76

Experimental cutaneous candidiasis in rodents. Ray TL, et al. **J Invest Dermatol** 66(1):29–33, Jan 76

Production of ring-shaped particles by normal and

metaplastic tissue. I. Human skin. Rounds DE, et al. **J Natl Cancer Inst** 55(1):7–10, Jul 75

The Morquio syndrome (mucopolysaccharidosis IV): Morphologic and biochemical studies. Hollister DW, et al. **Johns Hopkins Med J** 137(4):176–83, Oct 75

Morphology of delayed-type hypersensitivity reactions in man. II. Ultrastructural alterations affecting the microvasculature and the tissue mast cells. Dvorak AM, et al. **Lab Invest** 34(2):179–91, Feb 76

Letter: Cause of induration in skin tests (cont.). Colvin RB, et al. **N Engl J Med** 295(13):734–5, 23 Sep 76

Spontaneous transformation of human skin fibroblasts derived from neoplastic patients. Azzarone B, et al. **Nature** 262(5563):74–5, 1 Jul 76

Malignant atrophic papulosis (Kohlmeier–Degos disease) in childhood. Horner FA, et al. **Neurology (Minneap)** 26(4):317–21, Apr 76

The diagnosis of infantile generalized ceroidlipofuscinosis (type Hagberg–Santavuori) using skin biopsy. Ceuterick Ch, et al. **Neuropaediatrie** 7(3):250–60, Aug 76

Diagnostic importance of immunofluorescence in oral bullous diseases and lupus erythematosus. Nisengard RJ, et al. **Oral Surg** 40(3):365–75, Sep 75

Infrequency of gross skin lesions among Panamanian forest mammals with cutaneous leishmaniasis. Herrer A, et al. **Parasitology** 71(1):87–92, Aug 75

Lesions of Marek's disease in some modified cutaneous appendages of chicken. Mohanty GC, et al. **Poult Sci** 55(1):40–4, Jan 76

Diffuse cutaneous mastocytosis in mother and daughter. Klaber M. **Proc R Soc Med** 69(1):16–18, Jan 76

Is there a relationship between clinical morphology and epidermal cell kinetics? Marks R. **Proc R Soc Med** 68(3):161–2, Mar 75

Effects of various induced local environmental conditions and histopathological studies in experimental Dermatophilus congolensis infection on the bovine skin. Oduye OO. **Res Vet Sci** 19(3):245–52, Nov 75

Studies on the feeding of larval Argas persicus Oken. Moorhouse DE. **Z Parasitenkd** 48(1):65–71, 11 Dec 75

[Morphologic changes in the skin of sheep and lambs following external exposure to Sr90] Iordanov I, et al. **Vet Med Nauki** 11(10):33–8, 1974 (Eng. Abstr.) **(Bul)**

[Alpha1-Antitrypsin deficiency: review of 6 cases. Pulmonary and skin alterations in a subject with complete alpha1-AT lack of the Pi OO type. Liver cirrhosis in an adult subject with major alpha1-AT deficiency (author's transl)] Schandevyl W, et al. **Acta Tuberc Pneumol Belg** 65(5):438–63, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Histology and prognosis of cutaneous malignant melanomas. Study of 50 cases] Meugé C, et al. **Ann Anat Pathol (Paris)** 20(3):245–58, May–Jul 75 (Eng. Abstr.) **(Fre)**

[Study of dermal elastic fibers during plastic surgery of the trunk] Mitz V, et al. **Ann Chir Plast** 20(1):31–43, 1975 (Eng. Abstr.) **(Fre)**

[Perforation of the epidermis in nevocellular nevi] Bourlond A, et al. **Arch Belg Dermatol** 30(2):67–74, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[Impetigo herpetiformis and pustular psoriasis of Von Zumbusch. Cell renewal in the epidermis and in the dermal infiltrate] De la Brassinne M, et al. **Arch Belg Dermatol** 30(3):173–7, Jul–Sep 74 (Eng. Abstr.) **(Fre)**

[Myocardial infarct in a 15-year-old boy. Normal coronary arteriogram; value of cutaneous biopsy] Marco J, et al. **Arch Mal Coeur** 68(10):1109–15, Oct 75 **(Fre)**

[A case of nodular lepromatous leprosy with fusiform cells. Wade's 'histoid' variety] Languillon J, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):206–9, 1974 (Eng. Abstr.) **(Fre)**

[Alterations of the arrector pili muscle in a case of dermatomyositis (author's transl)] Dupré A, et al. **Dermatologica** 152(1):33–9, 1976 **(Fre)**

[Basophils in the infiltrate of guinea pig experimental contact dermatitis. Dinitrochlorobenzene and citraconic anhydride (author's transl)] Hunziker N, et al. **Dermatologica** 152(5):270–80, 1976 (Eng. Abstr.) **(Fre)**

[Cutaneous fibroblasts in culture: pediatric applications. I. Morphologic and histochemical study] Blanckaert D, et al. **Lille Med** 21(3):174–9, Mar 76 **(Fre)**

[Quantitative histometric investigations on the epidermis and corium of rat paw after experimental inflammation (author's transl)] Militzer K. **Arch Dermatol Res** 256(2):151–66, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Pigmented cysts. Pigmented epidermal cysts and pigmented trichilemmal cyst] Plewig G. **Hautarzt** 27(7):340–3, Jul 76 (Eng. Abstr.) **(Ger)**

[Lymphatic system of the human skin during pathologic conditions] Satjukowa GS. **Verh Anat Ges** 68:555–66, 1974 (Eng. Abstr.) **(Ger)**

[Histological study of host reactions to allograft of the tooth and the subcutaneous insertion of dental prosthetic materials] Yasumoto T. **Acta Med (Fukuoka)** 45(2):92–104, Apr 75 (Eng. Abstr.) **(Jpn)**

[Cellular infiltration observed with an esterase dye] Nishio K. **Jpn J Dermatol** 85(12):734–6, Oct 75 **(Jpn)**

[Qualitative and quantitative data on melanocytes in neurofibromatosis (author's transl)] Terayama I. **Jpn J Dermatol [A]** 85(7):395–403, Jun 75 **(Jpn)**

[Morphology of cutaneomuscular changes in rats treated with Freund's adjuvant, collagen and streptolysin O] Cylwik B, et al. **Patol Pol** 26(4):501–9, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

[Histological changes in the skin of rats following 3d grade burns] Kopeć J. **Pol Tyg Lek** 31(5):181–4, 2 Feb 76 (Eng. Abstr.) **(Pol)**

[Mast cell changes following 3d grade skin burns in white rats] Kopeć J. **Pol Tyg Lek** 31(6):223–5, 9 Feb 76 (Eng. Abstr.) **(Pol)**

[Cytological diagnosis of basaliomas of diverse differentiation] Arzumanian GA, et al. **Lab Delo** (8):454–7, 1975 **(Rus)**

[Cytological characteristics of basaliomas] Otsep NM, et al. **Lab Delo** (8):451–4, 1975 **(Rus)**

[The skin lesion of guinea pigs in the region of a bite by a tick infected with Burnet's rickettsia] Khavkin TN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:55–62, 1973 **(Rus)**

[Tissue culture and cytogenetic characteristics of epidermal cells in pseudoepitheliomatous hyperplasia] Berenbein BA, et al. **Vestn Dermatol Venerol** (1):37–42, Jan 74 (Eng. Abstr.) **(Rus)**

[Pathological anatomy of lipocalcinogranulomatosis] Kovrizhko NM, et al. **Vestn Dermatol Venerol** (9):66–70, Sep 75 (Eng. Abstr.) **(Rus)**

[Dynamics of the pathological and histochemical changes in the skin in patients with allergic vasculitis] Lesnitskiĭ AI. **Vestn Dermatol Venerol** (9):12–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Changes in clinically normal skin, kidneys and ocular fundus in allergic vasculitis] Mashkilleison AL, et al. **Vestn Dermatol Venerol** (2):17–21, Feb 76 (Eng. Abstr.) **(Rus)**

[Diagnostic value of skin and muscle biopsy in periarteritis nodosa in children] Lyskina GA, et al. **Vopr Revm** 00(02):26–31, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Actinic porokeratosis] Cruces M, et al. **Actas Dermosifiliogr** 67(1–2):11–20, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Morphology of Leishmaniasis Americana in its intracellular state in human skin] González González G, et al. **Actas Dermosifiliogr** 67(7–8):527–34, Jul–Aug 76 (Eng. Abstr.) **(Spa)**

[Disseminated annular granuloma (description of a clinical case and review of the literature)] Soto Melo J, et al. **Actas Dermosifiliogr** 67(1–2):37–48, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Epidermolytic ichthyosis. Apropos of a clinical case] Soto Melo J, et al. **Actas Dermosifiliogr** 67(7–8):561–70, Jul–Aug 76 **(Spa)**

[Scleromyedema with special hyperkeratosis lesions and calcifications] Ferrándiz C, et al. **Med Cutan Iber Lat Am** 3(5):353–9, 1975 (Eng. Abstr.) **(Spa)**

[Epidermal peripilar nevus] Mirande LM, et al. **Med Cutan Iber Lat Am** 3(6):439–42, 1975 (Eng. Abstr.) **(Spa)**

[Psoriasiform epidemic nevus or lineal psoriasis? Report of a case] Schnitzler L, et al. **Med Cutan Iber Lat Am** 3(5):361–5, 1975 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Patterns of mitosis in hamster epidermis. Mackenzie IC, et al. **Am J Anat** 144(4):461–6, Dec 75

D.C. skin conductance variation at acupuncture loci. Reichmanis M, et al. **Am J Chin Med** 4(1):69–72, Spring 76

Kinetics of epidermal production during epidermal regeneration following abrasion in mice. Argyris T. **Am J Pathol** 83(2):329–40, May 76

Electrical promotion of soft tissue repairs. Konikoff JJ. **Ann Biomed Eng** 4(1):1–5, Mar 76

Letter: Myokymia vs transient rippling of the skin. Fine HL, et al. **Arch Dermatol** 112(4):554, Apr 76

Permeability properties of the frog skin at various degrees of edge damage. Svelto M, et al. **Arch Int Physiol Biochim** 83(5):837–43, Dec 75

Clinical vs quantitative evaluation of cutaneous sensation. Dyck PJ, et al. **Arch Neurol** 33(9):651–5, Sep 76

Reflectance of human skin for low temperature radiators. Hardy JD. **Arch Sci Physiol (Paris)** 27(2):21–33, 1973

Sweat gland response to the efferent thermoregulatory signal. Nadel ER, et al. **Arch Sci Physiol (Paris)** 27(2):67–77, 1973

Direct evaluation of the convective heat transfer coefficient for various activities and environment. Nishi Y. **Arch Sci Physiol (Paris)** 27(2):59–66, 1973

A mathematical simulation model of the skin for evaluation of surface temperature gradients resulting from local variations in metabolism and blood flow. Stolwijk JA. **Bibl Radiol** (6):151–6, 1975

Heat transfer across the skin: the role of the 'resting' sweat gland. Thiele FA, et al. **Bibl Radiol** (6):140–3, 1975

Thermal conductivity and heat transfer of the human skin. van den Berg JW. **Bibl Radiol** (6):166–77, 1975

Effect of angiotensin II on short-circuit current in amphibian membranes. Coviello A, et al. **Biochem Pharmacol** 25(1):106–7, Jan 76

Study of an inhibiting factor of epidermal proliferation in plucked skin and various tumours of mice. Guigon M, et al. **Br J Dermatol** 95(2):131–5, Aug 76

Electrical potential difference between basal cell carcinoma, benign inflammatory lesions and normal tissue. Woodrough RE, et al. **Br J Dermatol** 92(1):1–7, Jan 75

Changes in vesical function produced by cutaneous stimulation in rats. Sato A, et al. **Brain Res** 94(3):465–74, 5 Sep 75

Epidermal growth control mechanisms, hyperplasia, and tumor promotion in the skin. Marks F. **Cancer Res** 36(7 PT 2):2636–43, Jul 76 (48 ref.)

Physiological conditions and variations of body constituents during the moulting cycle of the spider Tegenaria atrica C. L. Koch (Agelenidae). Collatz KG, et al. **Comp Biochem Physiol [A]** 52(3):465–76, 1 Nov 75

Calcium and magnesium levels in the intermolt(C4) carapaces of three species of freshwater crawfish (Cambaridae: decapoda). Huner JV, et al. **Comp Biochem Physiol [A]** 55(2a):183–5, 1976

Oxygen consumption of the blue crab, Callinectes sapidus rathbun, from proecdysis to postecdysis. Lewis EG, et al. **Comp Biochem Physiol [A]** 54(1):55–60, 1976

Effects of pH changes on the frog skin electrical potential difference and on the potential variations induced by high hydrostatic pressures. Pequeux A. **Comp Biochem Physiol [A]** 55(2a):103–8, 1976

Free amino acid pools in muscle and hemolymph during the molt cycle of the land crab. Gecarcinus lateralis. Yamaoka LH, et al. **Comp Biochem Physiol [A]** 55(2a):129–34, 1976

Effects of cholinergic agonists and antagonists on frog cutaneous cold receptors. Spray DC, et al. **Comp Biochem Physiol [C]** 50(1):97–103, 1 Jan 75

Hemodynamic and ventilatory effects of skin-cooling in cattle. McMurtry IF, et al. **Experientia** 31(11):1303–4, 15 Nov 75

Habituation to iterative photostimulation in the palmar skin conductance response of mice, its delay by psychoanaleptics. Marcy R, et al. **Experientia** 32(2):208–9, 15 Feb 76

A laser stimulator for the study of cutaneous thermal and pain sensations. Meyer RA, et al. **IEEE Trans Biomed Eng** 23(1):54–60, Jan 76

Electrical correlates of acupuncture points. Reichmanis M, et al. **IEEE Trans Biomed Eng** 22(6):533–5, Nov 75

Some comparative observations on vertebrate somatosensory function. pp. 161–7. McIntyre AK. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Some presynaptic mechanisms controlling impulse transmission in monosynaptic pathways. pp. 208–17. Rudomin P. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

The basis of the histological demonstration of tension in collagen. pp. 60–6. Flint MH. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.**

Reflectance of human skin for low temperature radiators. pp. A21–33. Hardy JD. **In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.**

Central nervous responses to cooling and warming of the rat scrotal skin. pp. A371–83. Hellon RF. **In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.**

Naturally occurring and synthetic inhibitors of prostaglandin synthetase of the skin. pp. 353–61. Hsia SL, et al. **In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.**

Single muscle spindle afferent recordings in human flexor reflex. pp. 197–207. Struppler A, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

Some observations on the hormonal control of melanophores in the skin of the green frog Rana esculenta L. Saxena PK. **Indian J Exp Biol** 14(1):31–3, Jan 76

Some thoughts on differences in black and white skin. McDonald CJ. **Int J Dermatol** 15(6):427–30, Jul–Aug 76

Prostaglandins and their biological significance in the skin. Ziboh VA. **Int J Dermatol** 14(7):485–93, Sep 75 (58 ref.)

Glycosaminoglycans and sialoproteins in skin aging. Rabbiosi G, et al. **Ital Gen Rev Dermatol** 11(1):23–35, Jan–Apr 74

Ultrasonic production of reversible changes in the electrical parameters of isolated frog skin. Coble AJ, et al. **J Acoust Soc Am** 60(1):225–9, Jul 76

Acupuncture in the Soviet Union. Krippner S. **J Am Soc Psychosom Dent Med** 21(3):91–7, 1974

A new method of measuring skin humidity. Reinhart H, et al. **J Appl Physiol** 41(2):256–8, Aug 76

Electromechanical stimulator for presenting moving cutaneous stimuli. Walsh LF, et al. **J Appl Physiol** 40(5):824–6, May 76

The connective-tissue reaction in the healing of full-thickness excised skin wounds in the thoracic and metatarsal regions of the dog. Winstanley EW. **J Comp Pathol** 86(2):211–9, Apr 76

Polarization variations induced by high hydrostatic pressures in the isolated frog skin as related to the effects on passive ionic permeability and active Na+ transport. Pequeux A. **J Exp Biol** 64(3):587–602, Jun 76

Physiology of skin. Greaves MW. **J Invest Dermatol** 67(1):66–9, Jul 76 (24 ref.)

Epidermal cell production rates. Potten CS. **J Invest Dermatol** 65(6):488–500, Dec 75

Epilogue as prologue. The skin: continual source of biologic problems and discoveries. Sulzberger MB, et al. **J Invest Dermatol** 67(1):225–8, Jul 76

Cutaneous photobiology: past, present and future. Urbachi

F, et al. **J Invest Dermatol** 67(1):209–24, Jul 76 (141 ref.)

Tensile strength, relaxation and mechanical recovery in rat skin as influenced by maturation and age. Vogel HG. **J Med** 7(2):177–88, 1976

Effects of Cd++ on short-circuit current across epithelial membranes. I. Interactions with Ca++ and vasopressin on frog skin. Hillyard SD, et al. **J Membr Biol** 26(2–3):109–19, 18 Mar 76

Negative potential level in the outer layer of the toad skin. Nunes MA, et al. **J Membr Biol** 24(2):161–81, 7 Nov 75

Permeability parameters of the toad isolated stratum corneum. Vieira FL, et al. **J Membr Biol** 27(3):251–64, 1976

A peripheral 'cold' fiber population responsive to innocuous and noxious thermal stimuli applied to monkey's face. Dubner R, et al. **J Neurophysiol** 38(6):1373–89, Nov 75

Relationship between visual and tactile representations in cat superior colliculus. Stein BE, et al. **J Neurophysiol** 39(2):401–19, Mar 76

Proceedings: The role of endogenous prostaglandin synthesis in the maintenance of frog skin permeability. Haylor J, et al. **J Physiol (Lond)** 257(1):50P–51P, May 76

Sweat gland function in isolated perfused skin. Johnson KG. **J Physiol (Lond)** 250(3):633–49, Sep 75

Determination of the impedance of the guinea pig skin. Arhan P, et al. **Med Biol Eng** 14(2):166–71, Mar 76

An application of aeronautical techniques to physiology. 2. Particle transport within the human microenvironment. Clark RP, et al. **Med Biol Eng** 12(3):275–9, May 74

Quantitative measurement of cutaneous sensory response to vibration. Ide H. **Med Biol Eng** 14(1®760310–760415–3):56–60, Jan 76

Electrical properties of the epidermal stratum corneum. Yamamoto T, et al. **Med Biol Eng** 14(2):151–8, Mar 76

The functional significance of the skin's stratum lucidum. Zirra AM. **Morphol Embryol (Bucur)** 22(1):9–12, Jan–Mar 76

Modification of fibrosarcomas and squamous cell carcinomas of mouse skin using various tissue extracts. Winkle SA, et al. **Nature** 260(5546):48–9, 4 Mar 76

Letter: Trifoliumin. Mochnacka S. **NZ Med J** 82(554):429–30, 24 Dec 75

Skin reflectance in the newborn infant. Krauss AN, et al. **Pediatr Res** 10(9):776–8, Sep 76

Basic electrical properties of tight epithelia determined with a simple method. Erlij D. **Pfluegers Arch** 364(1):91–3, 29 Jun 76

Effect on Mn2+ on permeability properties of frog skin. Hajjar JJ, et al. **Pfluegers Arch** 359(1–2):57–67, 29 Aug 75

Na and K movements across the membranes of frog skin epithelia associated with transient current changes. Leblanc G, et al. **Pfluegers Arch** 358(2):159–77, 21 Jul 75

Transient current changes and Na compartimentalization in frog skin epithelium. Morel F, et al. **Pfluegers Arch** 358(2):135–57, 21 Jul 75

The effect of the electrolyte applied to the surface of the skin on the measured electrical potential difference in vivo; an explanation of the apparently contradictory results in the literature. Woodrough RE, et al. **Phys Med Biol** 20(6):1021–4, Nov 75

Kinetics of inert gas equilibration in an exclusively skin-breathing salamander, Desmognathus fuscus. Gatz RN, et al. **Respir Physiol** 24(1):15–29, Jun 75

The direct potential of the intestinal wall. Its change in ischemia and revascularization. An experimental study in the rat. Campos ST, et al. **Rev Bras Pesqui Med Biol** 8(5–6):481–7, Sep–Dec 75

The relation of warmth and pain thresholds to skin pigmentation. Gittinger GM, et al. **TIT J Life Sci** 5(1–2):1–4, 1975

[Determination, on a physical model, of global and local coefficients of heat exchange by convection; influence of posture] Binnert Y, et al. **Arch Sci Physiol (Paris)** 27(2):35–43, 1973 **(Fre)**

[Coefficient of heat exchange of the human body by convection, as a function of position, of the subject's activity and of the environment] Missenard FA. **Arch Sci Physiol (Paris)** 27(2):45–50, 1973 **(Fre)**

[Thermal exchange by convection in a hyperbaric helium-oxygen atmosphere] Timbal J, et al. **Arch Sci Physiol (Paris)** 27(2):51–8, 1973 **(Fre)**

[Evolution of debits of sweating and evaporation in response to a degree of ambiant humidity] Vogt JJ, et al. **Arch Sci Physiol (Paris)** 27(2):79–90, 1973 **(Fre)**

[Effect of prolactin on mucous epidermal cells in the intact and hypophysectomized axolotl] Wittouck PJ. **Gen Comp Endocrinol** 27(2):254–61, Oct 75 (Eng. Abstr.) **(Fre)**

[Thermal reaction of human skin to heat exposure] pp. A213–24. Gautherie M, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**

[Effect of experimentally induced changes in blood flow on the heat and electrical conductivity of the skin] Fraudendorf H, et al. **Acta Biol Med Ger** 34(5):923–31, 1975 (Eng. Abstr.) **(Ger)**

[A common model for loudness and roughness (author's transl)] Vogel A. **Biol Cybern** 18(1):31–40, 1975 (Eng. Abstr.) **(Ger)**

[Determination of mechanoelectric properties of the skin in vivo] Pliquett F, et al. **Dermatol Wochenschr** 161(9):757–65, Sep 75 **(Ger)**

[Letter: pH of skin and external dermatotherapy] Tronnier H. **Hautarzt** 26(9):503, Sep 75 **(Ger)**

[Physiological alterations of aging skin] pp. 21–6. Sauerbrey W.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Wound elasticity following various suture technics as well as studies on skin elasticity in man] Benfer J, et al. **Langenbecks Arch Chir** Suppl:177–9, 1975 **(Ger)**

[The regulation of cell proliferation by chalones experimental investigations on epidermal hyperplasia (author's transl)] Rohrbach R. **Verocff Pathol** (99):1–67, 1975 (141 ref.) (Eng. Abstr.) **(Ger)**

[Proceedings: Reception of infrared rays by the skin] Hanaoka T. **J Physiol Soc Jpn** 36(8–9):309, 1 Sep 74 **(Jpn)**

[Proceedings: Peripheral control of thalamic VB neuron caused by frequent electric stimulation of the skin] Iwamura Y, et al. **J Physiol Soc Jpn** 36(8–9):275–6, 1 Sep 74 **(Jpn)**

[Proceedings: Reflex of the stomach elicited by the skin] Kaseda M, et al. **J Physiol Soc Jpn** 36(8–9):290–1, 1 Sep 74 **(Jpn)**

[Proceedings: Reflex from the skin to the heart] Kaseda M, et al. **J Physiol Soc Jpn** 36(8–9):385, 1 Sep 74 **(Jpn)**

[Proceedings: Effects of the amplitude of modulated half-sine-wave on biological resistance and capacitance] Saito T, et al. **J Physiol Soc Jpn** 36(8–9):364, 1 Sep 74 **(Jpn)**

[Proceedings: Spinal pathway for the SBS reflex and reflex center in the brain stem] Shimamura M. **J Physiol Soc Jpn** 36(8–9):268, 1 Sep 74 **(Jpn)**

[Pattern stimulation and action potential of frog skin (author's transl)] Wakabayashi T, et al. **J Physiol Soc Jpn** 37(12):411–21, 1975 (Eng. Abstr.) **(Jpn)**

[Voice recognition by skin perception] Ifukube T. **Jpn J Med Electron** 14(1):70–1, Feb 76 **(Jpn)**

[Skin impedance and its relation to the multi-layer configuration of epidermal stratum corneum] Yamamoto T, et al. **Jpn J Med Electron** 13(4):201–6, 30 Aug 75 (Eng. Abstr.) **(Jpn)**

[Skin regeneration in several species of mammals] Efimov EA. **Biull Eksp Biol Med** 81(6):742–5, Jun 76 (Eng. Abstr.) **(Rus)**

[Skin regeneration and metabolic level on administration of thyrostimulin] Khomullo GV, et al. **Biull Eksp Biol Med** 81(4):480–2, 1976 (Eng. Abstr.) **(Rus)**

[Prognosis of skin-resorbtive properties of new chemical substances] Rumiantsev GI, et al. **Gig Sanit** (4):91–5, Apr 75 **(Rus)**

[ECG characteristics during its recording from electroanomalous points of the skin] Smirnov IV, et al. **Kardiologiia** 15(12):116–8, Dec 75 **(Rus)**

[Reactions of granulation tissue fibroblasts in regenerating skin to chronic hypoxia] Khomullo GV, et al. **Kosm Biol Aviakosm Med** 10(2):68–72, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Physiological action of the marine subtropical climate on the skin] De Gyorko-Gyorkos, et al. **Actas Dermosifiliogr** 67(5–6):395–402, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Measurement of the S phase and turnover of the epidermal basal layer by autoradiography using the double labeling technic in vitro] Garcia A. **Actas Dermosifiliogr** 66(5–6):265–78, May–Jun 75 **(Spa)**

PHYSIOPATHOLOGY

Letter: Measurement of electrical potential difference across colonic mucosa in cystic fibrosis patients. Darby CW, et al. **Acta Paediatr Scand** 64(5):770, Sep 75

Letter: Skin elasticity and colchicine in scleroderma. Fernandez-Herlihy L. **Arthritis Rheum** 19(4):832–3, Jul-Aug 76

Letter: Diminished in vitro growth of epidermal epithelial cells in PSS. Parker MD, et al. **Arthritis Rheum** 19(5):969–70, Sept-Oct 76

Pilo-sebaceous duct physiology. III. Observations on the number and size of pilo-sebaceous ducts in acne vulgaris. Cunliffe WJ, et al. **Br J Dermatol** 95(2):153–6, Aug 76

Cutaneous extensibility in pseudo-xanthoma elasticum. Harvey W, et al. **Br J Dermatol** 92(6):679–83, Jun 75

Epidermal architecture, growth, and metabolism in acromegaly. Holt PJ, et al. **Br Med J** 1(6008):496–7, 28 Feb 76

The palmo-mental reflex. An electrophysiological study. Dehen H, et al. **Eur Neurol** 13(5):395–404, 1975

The pathophysiology of acute electric injuries. Hunt JL, et al. **J Trauma** 16(5):335–40, May 76

Skin fibrinolytic activity in cutaneous and systemic vasculitis. Sun CJ, et al. **Mayo Clin Proc** 51(4):216–22, Apr 76

[Changes of electric skin resistance caused by pain stimuli connected with certain dental procedures] Hryniewiecki A, et al. **Czas Stomatol** 29(2):117–21, Feb 76 (Eng. Abstr.) **(Pol)**

[Structural and metabolic changes in the skin of the fingers of miners suffering from vibration disease] Filin AP, et al. **Gig Tr Prof Zabol** (9):11–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of the digestive system pathology on skin function and the course of dermatoses] Mar'iasis ED, et al. **Sov Med** (6):147–8, Jun 75 **(Rus)**

[Method of determination of pH of the skin surface] Fedorovich SV. **Vestn Dermatol Venerol** (3):74–6, Mar 76 **(Rus)**

[Functional state of the skin in neurodermatitis during compound therapy using pyrogenal and measured vacuum] Lobanovskiĭ GI, et al. **Vestn Dermatol Venerol** (12):24–6, Dec 75 (Eng. Abstr.) **(Rus)**

[Dependance of the permeability of the epidermis on the degree of sensitization in patients with allergic occupational dermatitis] Shevliakov LV. **Vestn Dermatol Venerol** (11):59–61, Nov 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Development of high intensity narrow-band lamps and studies of the irradiation effect on human skin. Irradiation with high intensity lamps. Alsins J, et al. **Acta Derm Venereol (Stockh)** 55(4):261–71, 1975

Immunological phenomena induced by UV rays. Jarząbek-Chorzelska M, et al. **Acta Derm Venereol (Stockh)** 56(1):15–8, 1976

Thymidine labelling of epidermal melanocytes in UV-irradiated skin. Rosdahl IK, et al. **Acta Derm Venereol (Stockh)** 56(2):159–61, 1976

Protection of the skin of mice against irradiation with cyclotron-accelerated helium ions by 2-mercaptoethylamine. Baker DG, et al. **Acta Radiol [Ther] (Stockh)** 14(6):561–71, Dec 75

Skin reactions after different fractionation schedules giving the same cumulative radiation effect. Turesson I, et al. **Acta Radiol [Ther] (Stockh)** 14(5):475–84, Oct 75

Skin reaction as a biologic parameter for control of different dose schedules and gap correction. Turesson I, et al. **Acta Radiol [Ther] (Stockh)** 15(2):162–76, Apr 76

Initial comparative response to peak pions and x-rays of normal skin and underlying tissue surrounding superficial metastatic nodules. Kligerman MM, et al. **Am J Roentgenol** 126(2):261–7, Feb 76

Adriamycin and enhanced radiation reaction in normal esophagus and skin. Greco FA, et al. **Ann Intern Med** 85(3):294–8, Sep 76

(+)-catechin effects on x-rays irradiated skin of rats. Cipriani C, et al. **Arch Dermatol Res** 253(3):311–8, 29 Oct 75

Repair of DNA strand breaks in progeric fibroblasts and aging human diploid cells. Litile JB, et al. **Basic Life Sci** 5B:793–800, 1975

Cytotoxic and mutagenic effects of carcinogenic aromatic amides and polycyclic hydrocarbons and ultraviolet irradiation in normally repairing and repair-deficient (xeroderma pigmentosum) diploid human skin fibroblasts. Maher VM, et al. **Basic Life Sci** 5B:785–7, 1975

Proceedings: Modification of the response of mouse skin to x-irradiation by bleomycin treatment. Leith JT, et al. **Br J Cancer** 32(6):757, Dec 75

Letter: Is actinic (solar) damage the provoking cause of 'post-inflammatory elastolysis and cutis laxa (PECL)'? O'Brien JP. **Br J Dermatol** 95(1):105–6, Jul 76

The erythemal action spectrum and deoxyribonucleic acid repair synthesis in xeroderma pigmentosum. Ramsay CA, et al. **Br J Dermatol** 92(1):49–56, Jan 75

Vascular changes in human skin after ultraviolet irradiation. Ramsay CA, et al. **Br J Dermatol** 94(5):487–93, May 76

Erythropoietic protoprophyria--submicroscopic events during the acute photosensitivity flare. Schnait FG, et al. **Br J Dermatol** 92(5):545–57, May 75

Clinical radiobiology of low dose-rate radiotherapy. Dutreix J, et al. **Br J Radiol** 48(574):846–50, Oct 75

Proceedings: Some measurements with skin and lymphocytes. Nias AH. **Br J Radiol** 49(582):560, Jun 76

Radiation reaction of rat skin. The role of the number of fractions and the overall treatment time. Moulder JE, et al. **Cancer** 37(6):2762–7, Jun 76

Early assessment of normal tissue tolerance of fast neutron beam radiation therapy. Parker RG, et al. **Cancer** 38(3):1118–23, Sep 76

Excision of pyrimidine dimers from epidermal DNA and nonsemiconservative epidermal DNA synthesis following ultraviolet irradiation of mouse skin. Bowden GT, et al. **Cancer Res** 35(12):3599–607, Dec 75

The effects of varied numbers of dose fractions on the tolerance of normal human skin. Brennan D, et al. **Clin Radiol** 27(1):27–32, Jan 76

Skin reaction. A quantitative system for measurement of radiosensitisation in man. Dische S, et al. **Clin Radiol** 27(2):145–9, Apr 76

Clinical testing of the radiosensitiser Ro-07-0582. II. Radiosensitisation of normal and hypoxic skin. Dische S, et al. **Clin Radiol** 27(2):159–66, Apr 76

Response of mouse skin and the C3HBA mammary carcinoma of the C3H mouse to x-rays and cyclotron neutrons: effect of mixed neutron-photon fractionation schemes. Nelson JS, et al. **Eur J Cancer** 11(12):891–901, Dec 75

The response of mouse skin to multiple small doses of radiation. pp. 342–50. Denekamp J, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

The effect of multiple small fractions of x-rays on skin reactions in the mouse. pp. 351–61. Douglas BG, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

Cell survival curves deduced from non-quantitative reactions of skin, intestinal mucosa and lung. pp. 335–41. Dutreix J, et al.
In: Alper T, ed. Cell survival after low doses of radiation.

London, Institute of Physics, 1975. W3 GR35 1974c.
The response of mouse skin and lung to fractionated x-rays. pp. 362–8. Field SB, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Sparing effect of x-ray fractionation in mammary tumours and skin reactions of mice. pp. 288–92. Fowler JF, et al.

In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
The efficacy of hyperbaric oxygen in modifying the response of tissue to irradiation in doses of 200–400 rad per fraction. pp. 280–7. Suit HD, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Build-up studies with three different types of cobalt-60 teletherapy units. Lakshmanan AV, et al. **Indian J Cancer** 12(3):319–26, Sep 75
Ultraviolet injury of connective tissue. Sengupta KP, et al. **Indian J Exp Biol** 13(4):337–42, Jul 75
Reproduction of abnormal reactions to solar ultraviolet radiation. Stern WK. **Int J Dermatol** 15(6):412–7, Jul–Aug 76
The effects of x-irradiation on collagen metabolism in rat skin. De Loecker W, et al. **Int J Radiat Biol** 29(4):351–8, Apr 76
Sulphydryl and disulphide groups in normal and irradiated epidermis. Frasch AC, et al. **Int J Radiat Biol** 29(4):301–9, Apr 76
Influence of acute tissue injury on in vitro incorporation of Zn by sheep erythrocytes. Sasser LB, et al. **J Anim Sci** 41(6):1679–85, Dec 75
Tumor-promoting activity of cigarette tar in rat skin exposed to irradiation. McGregor JF. **J Natl Cancer Inst** 56(2):429–30, Feb 76
An apparatus for measuring the effects of radiotherapy on the elastic properties of human skin in vivo. Hutton WC, et al. **Med Biol Eng** 13(4):584–5, Jul 75
Cellular injury and cell proliferation in skin carcinogenesis by UV light. Stenbäck F. **Oncology** 31(2):61–75, 1975
Epidermal hyperplasia induced by ultraviolet radiation; error and uncertainty of measurement. Blum HF, et al. **Photochem Photobiol** 21(4):255–60, Apr 75
Effects of 8-methoxypsoralen-induced phototoxic effects on mammalian epidermal macromolecule synthesis in vivo. Epstein JH, et al. **Photochem Photobiol** 21(5):325–30, May 75
The effect of multiple small doses of x rays on skin reactions in the mouse and a basic interpretation. Douglas BG, et al. **Radiat Res** 66(2):401–26, May 76
Early effects of single doses of 375 MeV/nucleon 20Neon ions on the skin of mice and hamsters. Leith JT, et al. **Radiat Res** 65(3):440–50, Mar 76
Reduction of skin dose in mantle fields by the use of a copper filter. McDougall RS, et al. **Radiography** 41(485):115–9, May 75
Evaluation of times of maximal involvement for early skin reactions following x irradiation combined with hyperthermic treatment. Leith JT. **Radiology** 119(2):475, May 76
Control of dose administered once a week and three times a day according to schedules calculated by the CRE formula, using skin reaction as a biological parameter. Turesson I, et al. **Radiology** 120(2):399–404, Aug 76
Control of dose administered once a week and three times a day according to schedules calculated by the CRE formula, using skin reaction as a biological parameter. Turesson I, et al. **Radiology** 120(2):399–404, Aug 76
Microspectrophotometric quantitation of nucleic acid and protein in irradiated epidermis. Conti CJ, et al. **Strahlentherapie** 151(3):236–9, Mar 76
Wound healing in X-irradiated mammalian skin. Gonsalves NI, et al. **TIT J Life Sci** 5(3–4):77–86, 1975
[Light hypersensitivity] Jansén C. **Duodecim** 92(12):660–74, 1976 **(Fin)**
[Value of a solar simulator in the photobiologic examinations of normal subjects] Huriez C, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):538–41, 1975 **(Fre)**
[Possibilities of decreasing skin lesions in stationary field x-irradiation by modification of the actual pH of the skin] Spies H. **Radiobiol Radiother (Berl)** 16(2):161–4, 1975 (Eng. Abstr.) **(Ger)**
[Inhibition of epidermis proliferation by borderline rays] Born W, et al. **Strahlentherapie** 152(2):172–7, Aug 76 (Eng. Abstr.) **(Ger)**
[Effective periods of the half-removal of alpha-irradiators from the skin] Simakov AV, et al. **Gig Sanit** (1):36–8, Jan 76 (Eng. Abstr.) **(Rus)**
[Hygienic evaluation of the radiation hazard and the effectiveness of protection during contact of Sr85 with excoriations and intact integument of man] Il'in LA, et al. **Med Radiol (Mosk)** 20(11):44–9, Nov 75 (Eng. Abstr.) **(Rus)**
[Action of external beta-irradiation on the morphological structures of the skin] Samsonova TV. **Med Radiol (Mosk)** 20(9):55–9, Sep 75 (Eng. Abstr.) **(Rus)**
[Effect of depth distribution of basal cells on their survival during irradiation of the skin with beta-particles of different energies] Osanov DP, et al. **Radiobiologia** 16(1):59–63, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Effects of UV-radiation of different spectral composition on content of sterols in rat skin] Datsenko ZM, et al. **Ukr Biokhim Zh** 48(1):86–8, Jan–Feb 76 **(Ukr)**
[Study of the soluble proteins of the skin of young cattle in the presence of ultraviolet irradiation in vivo and in vitro] Holovach VM, et al. **Ukr Biokhim Zh** 47(1):101–6, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

RADIOGRAPHY

Skin thickness in acne. Robertson A. **Australas Radiol** 20(1):98–100, Mar 76
Soft tissue radiography in determining contact and near-contact gunshot wounds. Rivers RL, et al. **J Forensic Sci** 21(2):373–7, Apr 76

SECRETION

An evaluation of Na+, Cl- and pH ion-specific electrodes in the study of the electrolyte contents of epidermal transudate and sweat. Grice K, et al. **Br J Dermatol** 92(5):511–8, May 75
Lipid components in the skin secretions of amphibia. I. Cholesterol. Croce G, et al. **Comp Biochem Physiol [B]** 52(2):307–9, 15 Oct 75
On the ichthyotoxic and hemolytic action of the skin secretion of the flatfish Pardachirus marmoratus (Soleidae). Primor N, et al. **Toxicon** 13(4):227–31, Aug 75
[Passive and active elements of the potassium secretion system in the skin of frogs] Bakhteeva VT, et al. **Fiziol Zh SSSR** 61(8):1242–8, Aug 75 (Eng. Abstr.) **(Rus)**

SURGERY

Use of the stapler in skin closure. Thompson DP, et al. **Am J Surg** 132(1):136–7, Jul 76
A technic of general anesthesia for blepharoplasty and rhytidectomy. Katz H, et al. **Anesth Analg (Cleve)** 55(2):165–7, Mar–Apr 76
The tuck-up operation, A new technique of secondary rhytidectomy. Anderson JR. **Arch Otolaryngol** 101(12):739–43, Dec 75
Nasolabial subcutaneous pedicle flaps. Herbert DC, et al. **Br J Plast Surg** 28(2):90–6, Apr 75
Nasolabial subcutaneous pedicle flaps. Herbert DC, et al. **Br J Plast Surg** 28(2):85–9, Apr 75
Teaching basic flap designs with sponge models. Labandter H. **Br J Plast Surg** 29(1):14–5, Jan 76
Burns of the dorsum of the hand treated by tangential excision. Malfeyt GA. **Br J Plast Surg** 29(1):78–81, Jan 76
The viability of triangular skin flaps. Stell PM, et al. **Br J Plast Surg** 28(4):247–50, Oct 75
An instrument to simplify the accurate excision of excess skin in facelifts, reduction mammaplasties and similar procedures. Talaat SM. **Br J Plast Surg** 29(3):253–6, Jul 76
Necrotising fasciitis treated by radical excision of the overlying skin. Tehrani MA, et al. **Br J Plast Surg** 29(1):74–7, Jan 76
Proceedings: Viability of skin flaps. Stell PM. **Br J Surg** 63(2):162, Feb 76
Compartmental syndromes in which the skin is the limiting boundary. Gaspard DJ, et al. **Clin Orthop** (113):65–8, Nov–Dec 75
Dermal mastopexy. Goulian D. **Clin Plast Surg** 3(2):171–5, Apr 76
The dermal brassiere mammaplasty. Hinderer UT. **Clin Plast Surg** 3(2):349–70, Apr 76
Resurfacing problems in the hand. Woolhouse FM. **Clin Plast Surg** 3(1):13–27, Jan 76
The hairbearing preauricular rotation flap and additional corrections in the treatment of the aging face. pp. 49–66. Hinderer UT.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.
Refining aspects of rhytidoplasty. pp. 27–33. Tabari K.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.
Modified collagen membrane as a skin substitute: preliminary studies. Tavis MJ, et al. **J Biomed Mater Res** 9(3):285–301, May 75
Letter: Sutures in skin surgery. **J Dermatol Surg** 1(2):75, Jun 75
Closure of excisional wounds with 'H' flaps. Albom MJ. **J Dermatol Surg** 1(4):26–7, Dec 75
The choice of suture material for skin closure. Aston SJ. **J Dermatol Surg** 2(1):57–61, Mar 76
A comparison of polyglycolic acid (Dexon), nylon and silk sutures in skin surgery. Auerbach R, et al. **J Dermatol Surg** 1(1):38–40, Apr 75
Observations on a new absorbable suture material. Deutsch HL. **J Dermatol Surg** 1(4):49–51, Dec 75
The practical use of Z-plasty. Mandy SH. **J Dermatol Surg** 1(4):57–60, Dec 75
Excisions in the area of the chin—a clinical note. Popkin GL. **J Dermatol Surg** 1(4):71–3, Dec 75
Subcuticular skin closure--description of technique. Sanders RJ. **J Dermatol Surg** 1(4):61–4, Dec 75
Evaluation of potential bleeding problems in dermatologic surgery. Sharkey I, et al. **J Dermatol Surg** 1(1):41–4, Apr 75
Epidermal surgery. Shelley WB. **J Dermatol Surg** 2(2):125–8, May 76
Fifteen ways to close surgical wounds. Stegman SJ. **J Dermatol Surg** 1(2):25–31, Jun 75
Relative hypoxemia during rhytidoplasty. Huang TT, et al. **Plast Reconstr Surg** 58(1):32–6, Jul 76
'De-epithelization' of the dermal pedicle in a reduction mammaplasty. Parsons RW, et al. **Plast Reconstr Surg** 57(5):619–20, May 76
Comparison of transverse and vertical skin incisions for Caesarean section. Haeri AD. **S Afr Med J** 50(2):33–4, 10 Jan 76
Skin reduction plasties following intestinal shunt operations for treatment of obesity. Palmer B, et al. **Scand J Plast Reconstr Surg** 9(1):47–52, 1975
Four flaps useful for head and neck surgery. King GD. **Surg Clin North Am** 56(3):593–8, Jun 76
A new technique for skin closure. Tejani F, et al. **Surg Gynecol Obstet** 142(3):406–7, Mar 76
Chemexfoliation as an adjunct to facial rejuvenation. Ariagno RP, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):536–9, Nov–Dec 75
A new treatment for wrinkles. Conley J, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 427–31, Jul–Aug 76
Quadrangular rhytidoplasty. Friedman WH. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 438–41, Jul–Aug 76
[A new small razor for the excision of minor cutaneous lesions] Bergerot J. **Ann Chir Plast** 19(4):379–80, 1974 (Eng. Abstr.) **(Fre)**
[The temporal or frontotemporal flap in cervicofacial oncology] Desaulty A, et al. **J Fr Otorhinolaryngol** 24(7):521–5, Sep 75 **(Fre)**
[Experience with new skin sutures: synthetic, resorbable material] Huber-Enzler HP. **Hautarzt** 26(10):529–31, Oct 75 (Eng. Abstr.) **(Ger)**
[Mandibular skin incision lines] Mogi K. **J Jpn Stomatol Soc** 42(1):68–9, Mar 75 **(Jpn)**
[Wedge-shaped skin section during laryngectomy] Sanotskii ML, et al. **Zh Ushn Nos Gorl Bolezn** (4):95, Jul–Aug 75 **(Rus)**

TRANSPLANTATION

Effect of laser irradiation and immunosuppressive treatment on survival of mouse skin allotransplants. Naményi J, et al. **Acta Chir Acad Sci Hung** 16(4):327–35, 1975
The use of dermal flaps in the treatment of protruding ears. Elashy NI. **Acta Chir Plast (Praha)** 17(1–2):71–6, 1975
Traumatic skin defects of the hand. Matev I. **Acta Chir Plast (Praha)** 17(1–2):77–81, 1975
Appraisal of prognostic significance of various factors in the results of autotransplantation of skin in burned patients. Shalimov AA, et al. **Acta Chir Plast (Praha)** 17(1–2):42–8, 1975
Plastic treatment of scar contractures of neck with Filatov pedicle flap in children. Shchipacheva VI. **Acta Chir Plast (Praha)** 17(1–2):49–55, 1975
Treatment of familial benign chronic pemphigus by skin grafting. Sonck CE, et al. **Acta Derm Venereol (Stockh)** 55(5):395–7, 1975
Changes within lymphatic tissue of recipient mice reacting to foreign skin grafts of differing incompatibility. Derežić D, et al. **Acta Med Iugosl** 30(1):21–30, 1976
Retraction of the delto-pectoral flap. Clinical observations and the design of an experimental model. Stell PM, et al. **Acta Otolaryngol (Stockh)** 81(3–4):161–6, Mar–Apr 76
Suppressor cells in the embryonic thymus mediate allograft tolerance. Droege W, et al. **Adv Exp Med Biol** 66:571–6, 1976
Skin as a vehicle for horizontal transmission of gross passage a leukemia in adult mice. A unique microenvironment? Mariani T. **Adv Exp Med Biol** 66:699–704, 1976
Porcine dressing for ileostomy retraction. Baum M, et al. **Am J Nurs** 76(5):760–1, May 76
Microvascular changes in lymph nodes draining skin allografts. Anderson ND, et al. **Am J Pathol** 81(1):131–60, Oct 75
Nasolabial flap reconstruction of the floor of the mouth after extirpation of oral cancer. Cohen IK, et al. **Am J Surg** 130(4):479–80, Oct 75
Repair of large chest wall defects using pedicle flaps. Gardner B, et al. **Am J Surg** 132(3):406–9, Sep 76
Contiguous cervical and deltopectoral flaps for skin lining and replacement with en bloc resection of cancer of the head and neck. Golden GT, et al. **Am J Surg** 132(3):415–7, Sep 76
The 'parachute' stent. Goshgarian G, et al. **Am J Surg** 130(3):370, Sep 75
Comparison of coarse mesh gauze with biologic dressings on granulating wounds. Levine NS, et al. **Am J Surg** 131(6):727–9, Jun 76
Use of the bipedicle flap in radical neck dissection for head and neck cancer. Woods JE. **Am J Surg** 131(5):641–2, May 76
The free graft: its value in reconstruction after operation for head and neck cancer. Cocke WM. **Am Surg** 42(3):223–6, Mar 76
Immunologic benefits and hazards of milk in maternal-perinatal relationship. Beer AE, et al. **Ann Intern Med** 83(6):865–71, Dec 75 (35 ref.)
Ultrastructural changes in the draining lymph node after allogeneic skin grafting in the rabbit. Kaczmarek B. **Ann Med Sect Pol Acad Sci** 21(1–2):55–6, 1976
Frey's syndrome-a technical remedy. Roark DT, et al.

Ann Otol Rhinol Laryngol 84(6):734–9, Nov–Dec 75

Replantation and reconstructive microvascular surgery. Part II. O'Brien BM. **Ann R Coll Surg Engl** 58(3):171–82, May 76 (55 ref.)

The role of the skin bank. Roberts, M. **Ann R Coll Surg Engl** 58(1):70–4, Jan 76

Immunosuppression and temporary skin transplantation in the treatment of massive third degree burns. Burke JF, et al. **Ann Surg** 182(3):183–97, Sep 75

Prolonged retention of glutaraldehyde–treated skin allografts and xenografts: immunological and histological studies. Schechter I. **Ann Surg** 182(6):699–704, Dec 75

Reinnervation of denervated muscles by skin grafting in the nerve.?20T van Nie CJ, et al. **Appl Neurophysiol** 38(3):181–90, 1975

Further studies on the influence of calf alpha–globulin on survival of skin allografts in mice. Krzywicka E, et al. **Arch Immunol Ther Exp (Warsz)** 24(3):391–4, 1976

Cytophilic and cytotoxic antibodies in sera of rabbits after allogeneic skin grafts. Matej H, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):329–33, 1975

Complications of dermal graft protection of carotid artery. Dedo DD, et al. **Arch Otolaryngol** 101(11):649–51, Nov 75

Cancer of the skin of the nose. Treatment by total skin excision and three–quarter thickness skin graft. Goepfert H, et al. **Arch Otolaryngol** 102(2):90–3, Feb 76

Subglottic enlargement using cartilage–mucosa autograft. A preliminary experimental study. Thomas GK, et al. **Arch Otolaryngol** 101(11):689–92, Nov 75

Grafting the unhealed perineal wound after coloproctectomy for Crohn disease. Anderson R, et al. **Arch Surg** 111(4):335–8, Apr 76

Suction catheters for open technique of skin grafting in fresh wounds. Furnas DW, et al. **Arch Surg** 111(8):916, Aug 76

Reappraisal of skin flap closure for neonatal gastroschisis. Thompson J, et al. **Arch Surg** 111(6):684–7, Jun 76

Suppressor cells in homograft tolerant rats. McCullagh P. **Aust J Exp Biol Med Sci** 53(5):431–6, Oct 76

Management of stasis ulcers by pinch graft. Burns DA, et al. **Br J Dermatol** 95 Suppl 24:82, Jul 76

Failure to produce warts on human skin grafts on 'nude' mice. Cubie HA. **Br J Dermatol** 94(6):659–65, Jun 76

Semilunar abdominal bipedicled flap for cover of dorsal defects of the hand. Antia NH, et al. **Br J Plast Surg** 29(2):129–31, Apr 76

An ideal donor site for the auricular composite graft. Argamaso RV. **Br J Plast Surg** 28(3):219–21, Jul 75

Lyophilised corium grafts in peripheral nerve repair. Binns JH, et al. **Br J Plast Surg** 29(3):251–2, Jul 76

The indirect deltopectoral flap. Brown GE. **Br J Plast Surg** 29(2):122–5, Apr 76

Inosculation of vessels of skin graft and host bed: a fortuitous encounter. Converse JM, et al. **Br J Plast Surg** 28(4):274–82, Oct 75

The filleted toe flap. Emmett AJ. **Br J Plast Surg** 29(1):19–21, Jan 76

The management of chronic ulcers of the dorsum of the foot by muscle transposition and free skin grafting. Ger R. **Br J Plast Surg** 29(2):199–204, Apr 76

Free groin skin flaps. Harii K, et al. **Br J Plast Surg** 28(4):225–37, Oct 75

Proximal and distal releasing incisions for the treatment of flexion contracture of the popliteal region. Hirshowitz B, et al. **Br J Plast Surg** 29(1):35–7, Jan 76

The use of Opsite, a vapour permeable dressing, on skin graft donor sites. James JH, et al. **Br J Plast Surg** 28(2):107–10, Apr 75

The scrotal flap repair for ischial decubitus ulcers: a follow–up. Kaplan I. **Br J Plast Surg** 29(1):34, Jan 76

Herpes zoster involving a skin graft. Kikuchi I, et al. **Br J Plast Surg** 29(3):245–6, Jul 76

'Quilted' skin grafting in the mouth. McGregor IA. **Br J Plast Surg** 28(2):100–2, Apr 75

Muscle flaps in the repair of skin defects over the exposed tibia. McHugh M, et al. **Br J Plast Surg** 28(3):205–9, Jul 75

Tangential excision and grafting for burns of the hand. Mahler D, et al. **Br J Plast Surg** 28(3):189–92, Jul 75

Successful free flap transfers with diseased recipient vessels. Ohtsuka H, et al. **Br J Plast Surg** 29(1):5–7, Jan 76

The latissimus flap. Olivari N. **Br J Plast Surg** 29(2):126–8, Apr 76

Free groin flaps: their vascular basis. Omori K, et al. **Br J Plast Surg** 28(4):238–46, Oct 75

The length: breadth ratio of skin flaps on the trunk: two new long narrow flaps. Onizuka T, et al. **Br J Plast Surg** 28(2):123–7, Apr 75

Aggressive non–irradiated basal cell carcinoma of forehead treated by free flap transfer. Poole MD, et al. **Br J Plast Surg** 28(2):142–5, Apr 75

The deltopectoral flap in chest wall reconstruction. Robinson DW. **Br J Plast Surg** 29(1):22–6, Jan 76

Microsurgical transfer of the dorsalis pedis neurovascular island flap. Robinson DW. **Br J Plast Surg** 29(3):209–13, Jul 76

Reduction mammaplasty and other skin excisions as sources of homograft skin. Rudolph R, et al. **Br J Plast Surg** 28(2):121–2, Apr 75

Prolonged retention of glutaraldehyde–treated skin homografts in humans. Schechter I, et al. **Br J Plast Surg** 28(3):198–202, Jul 75

Cranio–pelvic immobilisation following free skin grafting of the neck. Schwartz AW. **Br J Plast Surg** 28(2):105–6, Apr 75

Reconstruction of the nipple and areola. Schwartz AW. **Br J Plast Surg** 29(3):230–3, Jul 76

Hypnosis in pedicle graft surgery. Scott DL. **Br J Plast Surg** 29(1):8–13, Jan 76

The siting of comparable skin flaps in pigs. Stell PM, et al. **Br J Plast Surg** 29(1):16–8, Jan 76

The effect of culturing human skin allografts before transplantation. Townsend PL. **Br J Plast Surg** 28(4):283–5, Oct 75

Lyophilised amniotic membranes on graft donor sites. Unger MG, et al. **Br J Plast Surg** 29(1):99–101, Jan 76

Cross–hand, cross–finger neurovascular flap: a preliminary report. Wexler M–R, et al. **Br J Plast Surg** 28(3):216–8, Jul 75

Proceedings: The influence of retraction on the viability of a skin flap. Stell PM. **Br J Surg** 63(8):669, Aug 76

Letter: Tibial shaft fractures. **Br Med J** 4(5990):226–7, 25 Oct 75

The rejection of intra– and intersexual skin grafts in newts (Triturus vulgaris and Triturus alpestris). Plytycz B. **Bull Acad Pol Sci [Biol]** 23(10):699–705, 1975

The ability of ALS against lymph node lymphocyte subpopulations to prolong the skin allograft survival in mice. Rudnicka W, et al. **Bull Acad Pol Sci [Biol]** 24(1):27–31, 1976

Dorsal thumb flap for release of adduction contracture of the first web space. Strauch B. **Bull Hosp Joint Dis** 36(1):34–9, Apr 75

Preferential localization and rate of loss of labeled alloantibody from rat tumors and skin transplants carrying the corresponding alloantigen. Izzo MJ, et al. **Cancer Res** 36(8):2868–73, Aug 76

Lymphocytes which differentiate in an allogeneic thymus. I. Response to MLC determinants and skin grafts from the thymus donor strain. Kindred B. **Cell Immunol** 25(2):189–96, Aug 76

Delayed exposed skin grafting in surgery for breast cancer and melanoma. Rees BI, et al. **Clin Oncol** 1(2):131–9, Jun 75

Free skin flap transfer. Harii K, et al. **Clin Plast Surg** 3(1):111–27, Jan 76

Management of mutilating injuries of the hand. Midgley RD, et al. **Clin Plast Surg** 3(1):99–109, Jan 76

Resurfacing the face. Stark RB. **Clin Plast Surg** 2(4):577–83, Oct 75

Burn wounds: selection and preservation of skin, natural products, blood, and blood products for burn therapy. Nathan P, et al. **CRC Crit Rev Clin Lab Sci** 7(1):1–31, May 76

Prolongation of skin graft survival by sodium–copper–chlorophyllin. Inhibition of the first– and second–set phenomenon. Clarenz P, et al. **Eur Surg Res** 8(2):148–55, 1976

The skin–muscle flap as an approach to zygomatic and maxillary fractures. Stallings JO. **Eye Ear Nose Throat Mon** 55(5):160–1, May 76

Uterine skin grafts and fertility control in the rat. Polishuk WZ, et al. **Fertil Steril** 27(8):975–9, Aug 76

Prolonged survival of skin allografts in rats treated with antigen and hydrocortisone and the trend in graft–versus–host reactions. Chutná J, et al. **Folia Biol (Praha)** 21(4):219–27, 1975

Influence of the properties of skin allografts on the 'graft survival promoting effect' of antilymphocyte serum. Nouza K, et al. **Folia Biol (Praha)** 22(2):74–81, 1976

Immune capacity of mice tolerating a weakly incompatible skin allograft. I. Tolerance induction by neonatal skin graft in adult recipients or by neonatal inoculation of adult cells. Viklický V, et al. **Folia Biol (Praha)** 21(4):209–18, 1975

Analysis of skin grafts across the MSA–barrier in mice pretreated with sera from specifically or syngeeically grafted donors. Viklický V, et al. **Folia Biol (Praha)** 21(6):375–81, 1975

A modified thenar flap. Barton NJ. **Hand** 7(2):150–1, Jun 75

Cross–arm double flap in the repair of severe adduction contracture of the thumb. Bonola A, et al. **Hand** 7(3):287–90, Oct 75

Cross–arm double flap in the repair of severe adduction contracture of the thumb. Bonola A, et al. **Hand** 7(3):287–90, Oct 75

Dupuytren's Contracture: the dorsal transposition flap. Harrison SH, et al. **Hand** 7(2):145–9, Jun 75

Combined double Z–plasty and Y–V advancement for thumb web contracture. Hirshowitz B, et al. **Hand** 7(3):291–3, Oct 75

Combined double Z–plasty and Y–V advancement for thumb web contracture. Hirshowitz B, et al. **Hand** 7(3):291–3, Oct 75

The use of locally based triangular skin flaps for the repair of finger tip injuries. Weston PA, et al. **Hand** 8(1):54–8, Feb 76

Naturally occurring immunosuppressive agents. II. The ability of cell–free liver extracts to modify the rejection of allogeneic skin grafts in the rabbit. Vogelfanger IJ, et al. **Immunol Commun** 5(3):125–44, 1976

Lymphocyte–mediated cytotoxic reactions and blocking serum factors in tumor–bearing individuals and in rats tolerant to skin allografts. Similarities and possible differences. pp. 147–57. Hellström I, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.5.**

Long–term followup on expansion and meshed split thickness grafting of burns. pp. 20–59. MacMillan BG. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.**

An active suppressor mechanism preventing skin allograft rejection in mice. pp. 87–90. Kilshaw PJ, et al. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

Transplant chronobiology. pp. 320–8. Halberg J, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

The role of regulatory lymphocytes in prolongation of allograft survival by anti–thy 1 serum. pp. 69–75. Gelfand MC, et al. **In: Singhal SK, Sinclair NR, ed. Suppressor cells in immunity. London, Univ of Western Ontario, 1975. QW 504 S9895s 1975.**

Delay in rejection of irradiated skin homograft: report of an experiment on albino rats. Sharma M, et al. **Indian J Med Res** 63(6):787–92, Jun 75

Inhibition of syngeneic tumor growth in rats immunized with allogeneic skin grafts. Hosokawa M, et al. **Int J Cancer** 18(3):369–74, 15 Sep 76

Reconstruction of the penoscrotal skin after avulsion. Sangmit S. **Int Surg** 60(10):563–5, Oct 75

The use of porcine skin in partial and full–thickness skin loss. Papp GM. **J Am Osteopath Assoc** 75(11):951–7, Jul 76

Cutis arthroplasty of the elbow joint. Froimson AI, et al. **J Bone Joint Surg [Am]** 58(6):863–5, Sep 76

The neurovascular island flap for defective sensibility of the thumb. Krag C, et al. **J Bone Joint Surg [Br]** 57(4):495–9, Nov 75

An assessment of value of long posterior flaps in below knee amputation by skin blood pressure. Chavatzas D, et al. **J Cardiovasc Surg (Torino)** 16(6):594–6, Nov–Dec 75

Study of autologous dermal grafts implanted into canine atria. Spratt EH, et al. **J Cardiovasc Surg (Torino)** 17(1):27–37, Jan–Feb 76

The effect of triiodothyronine in healing of deep dermal burns and marginal scars of skin grafts. A histologic study. Mehregan AH, et al. **J Cutan Pathol** 1(3):113–6, 1974

Maps, flaps, and grafts on the nose. Brock JM. **J Dermatol Surg** 2(3):222–32, Jun 76

Use of skin flaps in dermatologic surgery of the face. Konz B. **J Dermatol Surg** 1(3):25–30, Oct 75

Local skin–flap repair of surgical defects of the upper lip in excisions of lesions. Simmonds WL. **J Dermatol Surg** 1(2):33–6, Jun 75

Natural hybridization between parthenogenetic and bisexual lizards: detection of uniparental source of skin grafting. Cuellar O, et al. **J Exp Zool** 196(3):341–50, Jun 76

Clinical and histological late findings on pedicled skin flaps in the oral cavity. Rehrmann A, et al. **J Maxillofac Surg** 3(3):155–60, Sep 75

The surgical closure of exposed skull. Widmaier W. **J Maxillofac Surg** 3(3):149–55, Sep 75

Repair of denuded cranial bone by bone splitting and free–skin grafting. Jensen F, et al. **J Neurosurg** 44(6):728–31, Jun 76

Patients' evaluations of mandibular skin graft vestibuloplasty. Bell FA. **J Oral Surg** 34(8):707–10, Aug 76

Split–thickness skin grafts transplanted over exposed maxillary bone in dogs. Sanders B, et al. **J Oral Surg** 34(6):510–3, Jun 76

Vestibuloplasty with skin grafting. Yrastorza JA. **J Oral Surg** 34(1):29–33, Jan 76

Giant 'bathing trunk' nevus with malignant melanoma treated by excision and split thickness skin grafting. Kosloske AM, et al. **J Pediatr Surg** 10(5):823–5, Oct 75

Proceedings: Measurement of blood flow in rabbit skin homografts and autografts using a 133Xe clearance technique. Lewis GP, et al. **J Physiol (Lond)** 254(1):32P–33P, Jan 76

The effects of skin grafting on healing open wounds in rabbits. Donoff RB, et al. **J Surg Res** 19(3):163–7, Sep 75

Lack of effect of Vitamin A on corticosteroid–induced immunosuppression. Neifeld JP, et al. **J Surg Res** 19(4):225–8, Oct 75

Vitamin A and immunosuppression of allografts in dogs and rabbits. Schweizer RT, et al. **J Surg Res** 19(4):229–32, Oct 75

Experience in the application of porcine xenografts to split–graft donor sites. Aronoff M, et al. **J Trauma** 16(4):280–3, Apr 76

Biological dressings for exposed vascular grafts: a reasonable alternative. Ledgerwood AM, et al. **J Trauma** 15(7):567–74, Jul 75

Management of massive abdominal wall defects: role of porcine skin grafts. Ledgerwood AM, et al. **J Trauma** 16(2):85–8, Feb 76

Ipsilateral lower extremity flaps in children. Lung RJ, et al. **J Trauma** 15(11):1021–4, Nov 75

Clinical applications of free flap transfer in the burn patient. Sharzer LA, et al. **J Trauma** 15(9):766–71, Sep 75

Patch graft urethroplasty for urethral stricture disease. Berger B, et al. **J Urol** 115(6):681–4, Jun 76

Free full thickness skin graft urethroplasty for urethral stricture: experience with 66 patients. Brannan W, et al. **J Urol** 115(6):677–80, Jun 76

Patch graft urethroplasty: a review with emphasis on use for strictures in the region of the membranous urethra. Kibbey RG 3d. **J Urol** 115(2):155–8, Feb 76

Comparative study of mineral oil and talcum powder as lubricants for cutting of skin grafts in burns. Nomani S,

et al. **JPMA** 26(4):86–8, APR 76

[Clinical and morphologic signs of skin allotransplant sloughing and rejection] Ranev D, et al. **Khirurgiia (Sofiia)** 28(4):326–8, 1975 (Eng. Abstr.)

Immunosuppression in rabbits: skin and kidney allografts. Green CJ. **Lab Anim** 9(3):223–32, Jul 75

Letter: Immunosuppression by linoleic acid. Hughes D, et al. **Lancet** 2(7933):501–2, 13 Sep 75

Prelusive skin grafts in live–donor kidney transplantation. Shackman R, et al. **Lancet** 2(7934):521–4, 20 Sep 75

Letter: Viability of skin flaps. Stell PM. **Lancet** 2(7893):1385, 7 Dec 74

One–stage dermal pedicle flap reconstruction of the oropharynx (an experimental and clinical study). Kohut RI, et al. **Laryngoscope** 86(3):356–63, Mar 76

Treatment of plantar ulcers with split skin grafts: a simplified method. D'Hooghe PJ, et al. **Lepr Rev** 46(2):119–21, Jun 75

Soft tissue coverage of the lower extremities. Wilensky RJ, et al. **Mich Med** 74(27):591–2,594,600–2,604,606,609–10, Sep 75

Ultrastructural investigations on the lysosomal system of lymph node lymphocytes in transplantation immunity. Gabrielescu E, et al. **Morphol Embryol (Bucur)** 21(1):59–63, 1975

A comparative study of allogenic 'first set' and 'second set' skin rejection in mice. Nedelea M, et al. **Morphol Embryol (Bucur)** 21(1):53–7, 1975

Appearance of a syndrome similar to graft versus host reaction in C57 Bl/6 mice bearing skin allogenic graft. Nedelea M, et al. **Morphol Embryol (Bucur)** 21(4):299–304, 1975

Increased breakdown of glycosaminoglycans and appearance of corrective enzyme after skin transplants in Hunter syndrome. Dean MF, et al. **Nature** 257(5527):609–12, 16 Oct 75

Skin collagen allografts in the rat. Oliver RF, et al. **Nature** 258(5535):537–9, 11 Dec 75

Microsurgical composite tissue transplantation: a new horizon in plastic and reconstructive surgery. Serafin D, et al. **NC Med J** 37(5):246–8, May 76

Letter: Skin grafts and leg ulcers. Kay JH. **NZ Med J** 82(551):317, 12 Nov 75

Paget's disease of the vulva. Recurrence in skin grafts. Beecham CT. **Obstet Gynecol** 47(1):55S–58S, Jan 76

Treatment of urinary stress incontinence. Use of dermal graft in the sling procedure. Pelosi MA, et al. **Obstet Gynecol** 47(3):377–9, Mar 76

Lymphomas as sequelae of the transplantation of CO2–treated skin autografts in mice. Goldsmith AE, et al. **Oncology** 32(5–6):247–65, 1975

Upper lid loading with dermis graft and levator weakening. Management of lagophthalmos due to facial palsy. D'Hooghe PJ, et al. **Ophthalmologica** 171(6):419–24, 1975

Operative treatment of pressure sores in paraplegics by rotation flap. Krupp S, et al. **Paraplegia** 14(1):29–35, May 76

Ten free groin flaps. Baudet J, et al. **Plast Reconstr Surg** 57(5):577–95, May 76

Letter: Some more thoughts on free flaps. Baudet J. **Plast Reconstr Surg** 58(4):495, Oct 76

Ten free flap transfers: use of intra–arterial dye injection to outline a flap exactly. Boeckx WD, et al. **Plast Reconstr Surg** 57(6):716–21, Jun 76

Earlobe construction with an auriculo–mastoid flap. Brent B. **Plast Reconstr Surg** 57(3):389–91, Mar 76

The 'over and out' flap for restoration of the corner of the mouth. Converse JM. **Plast Reconstr Surg** 56(5):575–8, Nov 75

Resurfacing large cheek defects with rotation flaps from the neck. Crow ML, et al. **Plast Reconstr Surg** 58(2):196–200, Aug 76

Restoration of sensation to an anesthetic hand by a free neurovascular flap from the foot. Daniel RK, et al. **Plast Reconstr Surg** 57(3):275–80, Mar 76

Sensory skin flaps for coverage of pressure sores in paraplegic patients. A preliminary report. Daniel RK, et al. **Plast Reconstr Surg** 58(3):317–28, Sep 76 **(Eng, Eng)**

A simple apparatus for expanding split–skin grafts. D'Hooghe P. **Plast Reconstr Surg** 57(3):387–8, Mar 76

Use of nasolabial skin flap to cover intraoral defects. Elliott RA Jr. **Plast Reconstr Surg** 58(2):201–5, Aug 76

The transformation of a free skin graft into a vascularized pedicled flap. Erol OO. **Plast Reconstr Surg** 58(4):470–7, Oct 76

Complications of free flap transfers to the mouth region. Finseth F, et al. **Plast Reconstr Surg** 56(6):652–3, Dec 75

A further aid to meshed skin grafting. Fogdestam I. **Plast Reconstr Surg** 58(1):103–4, Jul 76

Repair of pharyngoesophageal fistula by microvascular transfer of a free skin flap. Fujino T, et al. **Plast Reconstr Surg** 56(5):549–53, Nov 75

Free skin flap from the retroauricular region to the nose. Fujino T, et al. **Plast Reconstr Surg** 57(3):338–41, Mar 76

Primary breast reconstruction after a standard radical mastectomy by a free flap transfer. Case report. Fujino T, et al. **Plast Reconstr Surg** 58(3):371–4, Sep 76

The cross–groin flap for coverage of foot and ankle defects in children. Case reports. Furnas DW. **Plast Reconstr Surg** 57(2):246–7, Feb 76

Editorial: On the cutaneous porcine heterograft. Habal MB. **Plast Reconstr Surg** 57(3):367–8, Mar 76

Reconstruction of the oral cavity with a free flap. Harashina T, et al. **Plast Reconstr Surg** 58(4):412–4, Oct 76

The free musculocutaneous flap. Harii K, et al. **Plast Reconstr Surg** 57(3):294–303, Mar 76

A sensory cross–finger flap for use on the index finger. Joshi BB. **Plast Reconstr Surg** 58(2):210–3, Aug 76

Use of a folded forehead flap for reconstruction after a large excision of the full thickness of the cheek. Kavarana NM. **Plast Reconstr Surg** 56(6):629–32, Dec 75

Plantar lichen planus—treatment by excision and skin grafting. Case report. King D, et al. **Plast Reconstr Surg** 56(6):668–70, Dec 75

An aid to meshed skin grafting. Lehv MS. **Plast Reconstr Surg** 56(5):584, Nov 75

The effect of early surgical excision and homografting on survival of burned rats and of intraperitoneally–infected burned rats. Levine NS, et al. **Plast Reconstr Surg** 56(4):423–9, Oct 75

Vaginal reconstruction with gracilis myocutaneous flaps. McCraw JB, et al. **Plast Reconstr Surg** 58(2):176–83, Aug 76

Lateral–volar finger flap for the treatment of burn syndactyly. MacDougal B, et al. **Plast Reconstr Surg** 57(2):167–71, Feb 76

The use of healed superficial burns as a donor site for split–skin grafts. Mariani U. **Plast Reconstr Surg** 57(2):191–6, Feb 76

Reconstructive rhinoplasty for the lower two–thirds of the nose. Millard DR Jr. **Plast Reconstr Surg** 57(6):722–8, Jun 76

Changes in primate Pacinian corpuscles following volar pad excision and skin grafting. A preliminary report. Miller SH, et al. **Plast Reconstr Surg** 57(5):627–36, May 76

Lack of effect of skin cycle on survival of experimental skin flaps in rats. Myers B, et al. **Plast Reconstr Surg** 57(5):650–2, May 76

The location of the blood supply in random flaps. Myers B, et al. **Plast Reconstr Surg** 58(3):314–6, Sep 76

Laryngeal reconstruction by free flap transfer. Nagahara K, et al. **Plast Reconstr Surg** 57(5):604–10, May 76

Limberg flap coverage for axillary defects resulting from excision of hidradenitis suppurativa. O'Brien J, et al. **Plast Reconstr Surg** 58(3):354–8, Sep 76

Reconstruction of the oral cavity with a free flap. Panje WR, et al. **Plast Reconstr Surg** 58(4):415–8, Oct 76

Hidradenitis suppurativa of the perineal and gluteal regions, treated by excision and skin grafting. Case report. Rosenfeld N, et al. **Plast Reconstr Surg** 58(1):98–9, Jul 76

Repair of nostril defect with a contralateral nasolabial flap. Santos OA, et al. **Plast Reconstr Surg** 57(6):704–6, Jun 76

Fourteen free groin flap transfers. Serafin D, et al. **Plast Reconstr Surg** 57(6):707–15, Jun 76

Nipple reconstruction. Silsby JJ. **Plast Reconstr Surg** 57(5):667–8, May 76

The hand sandwich: adjacent flaps from opposing body surfaces. Smith RC, et al. **Plast Reconstr Surg** 57(3):351–4, Mar 76

Repair of forehead defects by rotation of local flaps. Worthen EF. **Plast Reconstr Surg** 57(2):204–6, Feb 76

Induction of secific immunological tolerance to histocompatible renal and skin allografts after donor strain spleen implantation. Taub RN, et al. **Proc Eur Dial Transplant Assoc** 12:423–8, 1976

[Studies on the skin grafts performed between adult specimen of Bufo viridis and Bufo vulgaris] Gulluni Cuomo M, et al. **Riv Biol** 67(4):411–22, Oct–Dec 74 **(Eng, Ita)**

The delto–pectoral flap as an emergency procedure for cover of a secondarily exposed carotid arterial system. Dinner MI, et al. **S Afr J Surg** 14(1):23–6, Mar 76

The treatment of burns by early tangential excision and skin grafting. Chait LA, et al. **S Afr Med J** 49(34):1375–9, 9 Aug 75

Skin cover in extensive hand injuries. Dinner MI, et al. **S Afr Med J** 50(6):161–4, 7 Feb 76

Transfixation in cross–leg procedures using Hoffman's instruments. Report of forty–two cases. Arnander C, et al. **Scand J Plast Reconstr Surg** 9(1):68–73, 1975

The Shaw abdominal flap. Barfred T. **Scand J Plast Reconstr Surg** 10(1):56–8, 1976

Surgical treatment of eyelid cancer with special reference to tarsoconjunctival flaps. A follow–up on 193 patients. Holmström H, et al. **Scand J Plast Reconstr Surg** 9(2):107–15, 1975

Effect of phentolamine and propranolol on the survival of experimental skin flaps. Jonsson CE, et al. **Scand J Plast Reconstr Surg** 9(2):98–100, 1975

Pedicle thoracoplasty and free skin transplantations in the treatment of open postpneumonectomy cavity after empyema. Eerola S. **Scand J Thorac Cardiovasc Surg** 10(2):175–8, 1976

Use of pectoralis skin pedicle flap for closure of large bronchial fistula connected with postpneumonectomy empyema. Virkkula L, et al. **Scand J Thorac Cardiovasc Surg** 9(2):144–8, 1975

A handy site for dermal grafts for glabella frown lines. Robertson JG. **South Med J** 68(10):1286, Oct 75

Correction of extensive neck contractures with local flaps and split– and full–thickness grafts. Vandeput JJ, et al. **South Med J** 69(6):738–40, Jun 76

Primary excision and prompt grafting as routine therapy for the treatment of thermal burns in children. Burke JF, et al. **Surg Clin North Am** 56(2):477–94, Apr 76

Surgical treatment of hidradenitis suppurativa. Hartwell SW Jr. **Surg Clin North Am** 55(5):1107–9, Oct 75

Influence of different tensions on the growth of skin grafts. Koehnlein HE, et al. **Surg Forum** 26:562–4, 1975

Factors involved in the skin flap delay phenomenon. O'Neill JV, et al. **Surg Forum** 26:528–30, 1975

Vitamin A: actions in oncogenesis and skin graft rejection. Rettura G, et al. **Surg Forum** 26:301–3, 1975

Skin graft preparation and wound contraction. Rudolph R. **Surg Forum** 26:560–2, 1975

Biological factors affecting wound contraction. Stone PA, et al. **Surg Forum** 26:547–8, 1975

Afferent lymphatics: their importance to immunologically privileged sites. Whitmore WF 3d, et al. **Surg Forum** 26:338–40, 1975

Use of a questionably viable flap as a full thickness skin graft after mastectomy. Heller KS, et al. **Surg Gynecol Obstet** 143(1):94–6, Jul 76

A mathematical analysis of the rhomboid flap. Koss N, et al. **Surg Gynecol Obstet** 141(3):439–42, Sep 75

Plastic surgery and burns. Madden JW. **Surg Gynecol Obstet** 142(2):213–5, Feb 76 (0 ref.)

An improved technique of excision and skin grafting for primary malignant melanomas. Neifeld JP, et al. **Surg Gynecol Obstet** 142(4):584–5, Apr 76

use of F(ab')2 fragment in experimental skin transplantation for burns. Raynor AC, et al. **Surg Gynecol Obstet** 142(4):524–8, Apr 76

The effect of skin graft preparation on wound contraction. Rudolph R. **Surg Gynecol Obstet** 142(1):49–56, Jan 76

Letter: Adjustable razor dermatome. Shoul MI. **Surgery** 78(5):683–4, Nov 75

Skin grafting: fallacies and facts. Spira M, et al. **Tex Med** 72(8):54–8, Aug 76

Dermal grafts — a viable alternative. Cairns AB Jr. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):510–3, Nov–Dec 75

Composite pedicled rib flap for reconstruction of the mandible and face. Conley J. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 447–51, Jul–Aug 76

Experimental study on the closure of large defects of the oral cavity using a free island flap with microvascular anastomosis. Panje WR, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 432–7, Jul–Aug 76

Epithelialization of dermal grafts in dogs. Swanson GC, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):142–7, Mar–Apr 76

Prolongation of skin allograft survival by Valium (diazepam). Ballantyne DL Jr, et al. **Transplant Proc** 7(4):581–6, Dec 75

Use of soluble histocompatibility antigen(s) in the control of transplantation reactions: possible dissociation of the roles of H–2 and non–H–2 antigens in the prevention of mortality induced by graft–versus–host reaction. Halle–Pannenko O, et al. **Transplant Proc** 8(2):161–72, Jun 76

Survival times of skin and kidney grafts within different canine species in relation to their genetic markers. Hammer C, et al. **Transplant Proc** 7(3):439–47, Sep 75

Immunologic studies of canine bone marrow chimeras. Rapaport FT, et al. **Transplant Proc** 8(2):249–53, Jun 76

Xenogeneic skin and kidney transplants in a closely related canine system, fox–dog. Chaussy C, et al. **Transplantation** 20(2):150–4, Aug 75

Sex–determined antigens in rats detected by bone marrow transplantation but not skin grafting. Dunn CD. **Transplantation** 20(2):142–9, Aug 75

Studies on mouse macrophage arming factor and its molecular weight. Dy M, et al. **Transplantation** 21(3):273–5, Mar 76

Hyperacute rejection of skin allografts in the mouse. Sensitivity of ingrowing skin grafts to the action of alloantibody and rabbit complement. Gerlag PG, et al. **Transplantation** 20(4):308–13, Oct 75

Humoral antibody and cell–mediated cytotoxicity responses of mice to rat skin xenografts. Hines DL, et al. **Transplantation** 21(5):375–80, May 76

Enhancement of skin grafts in the mouse. The combined used of specific and nonspecific immunosuppression. Koene RA, et al. **Transplantation** 20(3):241–7, Sep 75

Induction of immediate–type penicillin allergy by cutaneous allografts. Krakowka S, et al. **Transplantation** 20(6):519–23, Dec 75

Effect of polyunsaturated fatty acids on skin allograft survival and primary and secondary cytotoxic response in mice. Mertin J. **Transplantation** 21(1):1–4, Jan 76

Characteristics of specific unresponsiveness toward kidney and skin allografts in adult rats inoculated at birth with allogenic bone marrow or kidney cells across a strong H–1 barrier. Mullen Y, et al. **Transplantation** 20(4):281–90, Oct 75

Cross reactivity between H–2K and H–2D products. III. Effect of H–2K–H–2D cross sensitization on skin graft survival. Murphy DB, et al. **Transplantation** 20(1):38–44, Jul 75

Studies on the rosette inhibition assay. Improvement of the method and correlation with monkey skin graft prolongation. Nelson JW, et al. **Transplantation** 20(1):3–12, Jul 75

Enhancement of skin allograft survival by soluble alloantigen is serum–mediated. Rao VS, et al. **Transplantation** 21(1):42–50, Jan 76

A comparison of the survival of H–Y incompatible ear, tail, and body skin grafts. Sena J, et al. **Transplantation** 21(5):412–6, May 76

Enhanced growth of tumor isografts in rats after skin

allografting. Steele G Jr, et al. **Transplantation** 20(6):485–91, Dec 75

Skin grafting across H–Y incompatibility after organ culture. Wachtel SS, et al. **Transplantation** 20(1):45–8, Jul 75

Skin and heart allograft prolongation in tilorone–treated rats. Wildstein A, et al. **Transplantation** 21(2):129–32, Feb 76

Free autogenous grafts into the penile cavernous tissue. An experimental study in dogs. Byström J, et al. **Urol Res** 3(3):145–8, 29 Oct 75

Replacement of urinary bladder wall in the cat by autologous x–ray treated full thickness skin graft. Pust R, et al. **Urol Res** 3(3):139–43, 29 Oct 75

Rotational skin flaps to cover wound defect in groin. Johnson DE, et al. **Urology** 6(4):461–3, Oct 75

Free, autologous, skin transplantation in the horse. Frankland AL, et al. **Vet Rec** 98(6):105–10, 7 Feb 76

Skin transplantation in two cats. Quigley PJ, et al. **Vet Rec** 98(3):52–3, 17 Jan 76

[Skin transplantation in the study of chemical carcinogenesis. III. Reduced papilloma–formation after initiation during epidermal hyperplasia induced by skin grafting or by a single application of the cocarcinogen TPA. Worst PK, et al. **Z Krebsforsch** 84(2):97–103, 27 Oct 75

[Effect of antilymphocyte serum on the antigen–binding cells of the blood and the survival of skin grafts] Dinoeva S. **Eksp Med Morfol** 15(2):89–95, 1976 (Eng. Abstr.) **(Bul)**

[Electron microscopic study of preserved skin] Ruseva M, et al. **Eksp Med Morfol** 14(1):34–8, 1975 **(Bul)**

[Reverdin's plastic in otorhinolaryngology] Nóvotný. **Cesk Otolaryngol** 25(3):164–9, Jun 76 (Eng. Abstr.) **(Cze)**

[Withdrawal of dermoepidermal transplants in local anesthesia by freezing with chlorethylene] Cesaný P, et al. **Rozhl Chir** 54(10):689–92, Oct 75 (Eng. Abstr.) **(Cze)**

[A simplified technique of skin transplantation (author's transl)] D'Hooghe P, et al. **Acta Chir Belg** 74(5):500–3, Sep 75 (Eng. Abstr.) **(Dut)**

[Letter: Free skin transplantation] Roegholt MN. **Ned Tijdschr Geneeskd** 120(9):398, 28 Feb 76 **(Dut)**

[Autotransplants using vascular microsutures] de Coninck A, et al. **Acta Chir Belg** 74(6):581–6, Nov 75 **(Fre)**

[Reconstruction of skin defects of the cheek with a large island flap (author's transl)] Lejour M. **Acta Chir Belg** 74(2):183–91, Mar 75 (Eng. Abstr.) **(Fre)**

[Heterodigital transplantation with local reinnervation] de Coninck A. **Acta Orthop Belg** 41(2):170–6, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Value of a de–fatted subclavicular flap in finger reconstruction] Ionescu GO, et al. **Acta Orthop Belg** 41(3):355–63, May–Jun 75 (Eng. Abstr.) **(Fre)**

[The value of the delta–pectoral flap, transplantation of the great omentum and hyperbaric oxygen therapy in the management of severe buccopharyngostoma (4 cases) (author's transl)] Abbes M, et al. **Ann Chir** 29(8):761–7, Sep 75 (Eng. Abstr.) **(Fre)**

[Severe burns of the dorsum of the hand. Part 2. Reconstruction of the 2nd, 3rd and 4th web space areas. The modified five–flap technique (author's transl)] Rousso M. **Ann Chir** 29(11):1015–8, Nov 75 (Eng. Abstr.) **(Fre)**

[Value of thermography in the study of skin grafts and flaps] Abbes M, et al. **Ann Chir Plast** 19(4):325–34, 1974 (Eng. Abstr.) **(Fre)**

[Radio–anatomic study of the delto–pectoral flap] Abbes M, et al. **Ann Chir Plast** 20(3–4):303–10, 1975 (Eng. Abstr.) **(Fre)**

[Abdominal flap in surgery of the hand. What must we think] Baudet J, et al. **Ann Chir Plast** 20(2):215–26, 1975 (Eng. Abstr.) **(Fre)**

[Aspects of cutaneous plastic surgery in the tropics] Bourrel P, et al. **Ann Chir Plast** 20(3–4):375–83, 1975 (Eng. Abstr.) **(Fre)**

[One–stage closure of an urethral fistula using a scrotal flap] Carre JL. **Ann Chir Plast** 19(4):369–72, 1974 (Eng. Abstr.) **(Fre)**

[Noma and adjoining autoplasty] Costagliola M, et al. **Ann Chir Plast** 21(1):17–22, 1976 (Eng. Abstr.) **(Fre)**

[Autocraft with vascular microsutures. Anatomy of donor site] de Coninck A, et al. **Ann Chir Plast** 20(2):163–70, 1975 (Eng. Abstr.) **(Fre)**

[The three–pronged plasty (author's transl)] Glicenstein J, et al. **Ann Chir Plast** 20(2):257–60, 1975 (Eng. Abstr.) **(Fre)**

[Dermo–dermal joining. Experimental study] Lalardrie JP, et al. **Ann Chir Plast** 20(2):183–90, 1975 (Eng. Abstr.) **(Fre)**

[Long–term results of frontonasal flap] Marchac D, et al. **Ann Chir Plast** 19(4):335–8, 1974 (Eng. Abstr.) **(Fre)**

[Our experience in the treatment of thoracic radionecrosis] Meline F, et al. **Ann Chir Plast** 21(1):35–42, 1976 (Eng. Abstr.) **(Fre)**

[Use of the flag shaped flap to cover losses of substance of the third phalanx] Mitz V, et al. **Ann Chir Plast** 20(3–4):337–42, 1975 (Eng. Abstr.) **(Fre)**

[Use of aerolo–mammary flap with internal pedicle in reduction mammoplasty] Oulié J. **Ann Chir Plast** 20(2):251–6, 1975 (Eng. Abstr.) **(Fre)**

[Should pig skin be preserved?] Ricbourg B, et al. **Ann Chir Plast** 20(1):87–90, 1975 (Eng. Abstr.) **(Fre)**

[Restoration of the external ear in aplasias using skin grafts in the canal] Poncet E, et al. **Ann Otolaryngol Chir Cervicofac** 91(9):526–8, Sep 74 **(Fre)**

[Reconstruction of the vocal cord using a skin graft. Preliminary note] Sénéchal G. **Ann Otolaryngol Chir Cervicofac** 92(10–11):621–4, Oct–Nov 75 **(Fre)**

[The external mammary artery. Origin, course and importance in free skin grafts] Ricbourg B, et al. **Arch Anat Pathol (Paris)** 23(4):317–22, Dec 75 (Eng. Abstr.) **(Fre)**

[Early skin graft in the treatment of palpebral burns] Couderc JL, et al. **Bull Soc Ophtalmol Fr** 74(12):1159–62, Dec 74 **(Fre)**

[In vitro distinction between primary and secondary cellular response to alloantigens by means of a subcellular antigenic preparation] Degiovanni G, et al. **C R Soc Biol (Paris)** 169(3):729–33, 1975 (Eng. Abstr.) **(Fre)**

[In vitro comparison of 2 expressions of cellular immunity induced by a cutaneous allograft in the mouse] Degiovanni G. **C R Soc Biol (Paris)** 169(3):724–9, 1975 (Eng. Abstr.) **(Fre)**

[Transfer to the hand of a sensitive free graft] Gilbert A, et al. **Chirurgie** 101(10):691–4, Nov 75 **(Fre)**

[Nose reconstruction by a retroauricular temporal flap] Montandon D. **Helv Chir Acta** 43(1–2):137–40, Mar 76 **(Fre)**

[The temporo–frontal flap. Its value in post–irradiation buccal–pharyngeal surgery] Junien–Lavillauroy C, et al. **J Fr Otorhinolaryngol** 24(10):763–8, Dec 75 **(Fre)**

[Correction of loss of substance of the tip of the nose; Rieger's flap] Perrin C, et al. **J Fr Otorhinolaryngol** 25(2):157, Feb 76 **(Fre)**

[Influence of some environmental factors on immunological status of mice] Halle–Pannenko O, et al. **J Physiol (Paris)** 70(5):671–2, Dec 75 **(Fre)**

[Telethermography in plastic surgery] Donati L. **J Radiol Electrol Med Nucl** 56 suppl 1:55, 1975 **(Fre)**

[Gallium sulfate and skin allografts in the mouse] Maurel E, et al. **Pathol Biol (Paris)** 24(5):349–54, May 76 (Eng. Abstr.) **(Fre)**

[The influence on pedicle flap blood supply and necrosis rate of plastic displacement with pentoxifylline and dextran 40] Olivari VN, et al. **Arzneim Forsch** 25(5):745–8, May 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Closure of large medical defects of the upper eyelid] Hübner H, et al. **Ber Dtsch Ophthalmol Ges** (73):636, 1975 **(Ger)**

[Aspergillus infection in skin transplantation and its therapy] Bauer U, et al. **Chirurg** 46(6):279–82, Jun 75 **(Ger)**

[Skin plastic surgery and skin transplantation] Bohmert H, et al. **Chirurg** 46(7):293–8, Jul 75 **(Ger)**

[Transplantation and preservation of tissue–typized skin in burns] Zellner PR, et al. **Chirurg** 46(7):319–22, Jul 75 (Eng. Abstr.) **(Ger)**

[Vascular care of skin transplants. Comparative studies on unilateral bridge flaps and free full–thickness skin grafts in guinea pigs] Gloor M, et al. **Dermatol Monatsschr** 161(2):153–62, Feb 75 (Eng. Abstr.) **(Ger)**

[Whole–skin transplantation in periodontal surgery] Geiger SA, et al. **Dtsch Zahnaerztl Z** 31(8):647–50, Aug 76 (Eng. Abstr.) **(Ger)**

[Clinical and histological studies on split skin grafts as a replacement for mucous membrane] Austermann KH, et al. **Fortschr Kiefer Gesichtschir** 20:86–8, 1976 **(Ger)**

[Results of skin–cartilage and mucosa–cartilage transplantations in reconstructive surgery of the eyelids] Cordes V, et al. **Fortschr Kiefer Gesichtschir** 20:65–8, 1976 **(Ger)**

[Improvement of the adhesive technic of split skin grafts] Lindorf HH, et al. **Fortschr Kiefer Gesichtschir** 20:85–6, 1976 **(Ger)**

[Free transplantations in oral, jaw and face surgery] Pfeifer G, et al. **Fortschr Kiefer Gesichtschir** 20:11–4, 1976 **(Ger)**

[Eyelid replacement with skin and mouth mucosa flaps] Rehrmann A. **Fortschr Kiefer Gesichtschir** 20:92–4, 1976 **(Ger)**

[Experiences with split and whole skin grafts in the head and neck region] Schmid E. **Fortschr Kiefer Gesichtschir** 20:73–6, 1976 **(Ger)**

[Behavior of free skin grafts in mobile and immobile areas of the soft parts of the face] Schröder F. **Fortschr Kiefer Gesichtschir** 20:80–3, 1976 **(Ger)**

[Free skin transplantation in facial burns] Schuchardt K. **Fortschr Kiefer Gesichtschir** 20:76–80, 1976 **(Ger)**

[Transplantation of skin and cartilage to create eyelids capable of holding a prosthesis after loss of the eyeball and eyelid] Stellmach R. **Fortschr Kiefer Gesichtschir** 20:63–5, 1976 **(Ger)**

[Coverage of the skull with free skin grafts] Widmaier W. **Fortschr Kiefer Gesichtschir** 20:83–5, 1976 **(Ger)**

[Reestablishment of sensation in the distal phalanges using innervated flaps or grafts] Berger A, et al. **Handchirurgie** 7(4):169–71, 1975 (Eng. Abstr.) **(Ger)**

[The thenar flap] Hehl R. **Handchirurgie** 7(4):155–7, 1975 (Eng. Abstr.) **(Ger)**

[The hypermobile skin– and soft–tissue tube in thumb reconstruction] Heinz C. **Handchirurgie** 7(4):153–4, 1975 (Eng. Abstr.) **(Ger)**

[Physiology of the free–skin transplant] Friederich HC, et al. **Hautarzt** 26(8):401–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Hair growth on pedunoular skin flaps in the guinea pig] Gloor M, et al. **Hautarzt** 26(6):309–11, Jun 75 (Eng. Abstr.) **(Ger)**

[Therapy of facial hemangioma] Kesselring UK, et al. **Helv Chir Acta** 43(1–2):219–24, Mar 76 (Eng. Abstr.) **(Ger)**

[Substitution of the bladder–wall by means of deep–frozen heterologous skin grafts. Experimental studies in domestic cats] Pust R, et al. **Helv Chir Acta** 43(3):351–5, Jul 76 **(Ger)**

[Covering of defects in the lateral head and neck regions with shoulder flaps (author's transl)] Schaupp H, et al. **HNO** 23(5):160–1, May 75 (Eng. Abstr.) **(Ger)**

[Effect of different local treatment upon cicatrization in burns of children] pp. 267–77. Dietrich FE, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Behavior of split skin transplantation upon fresh excised and granulated wounds] pp. 293–5. Haussmann P, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Burn scars after skin culture] pp. 243–9. Klein P. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Clinical and histological results after extensive split skin transplantation] pp. 251–7. Kunert P, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Denudation of frontal and parietal bones after burn] pp. 317–20. Münchhoff C. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Selective early excision of burns and its significance for the prophylaxis of burn complications] pp. 227–36. Olivari N. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Split skin transplantation after grinding off hypertrophic burn scars] pp. 327–9. Zeitz J, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[On the closure of the defect after tumor removal in the medial canthus (author's transl)] Bencsik R, et al. **Klin Monatsbl Augenheilkd** 167(5):685–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Skin replacement on the penis (author's transl)] Anderl H. **Langenbecks Arch Chir** 339:433–7, Nov 75 (Eng. Abstr.) **(Ger)**

[SLA–testing and MCL–reaction in swine and their reaction to rejection of skin and liver transplants] Bockhorn H, et al. **Langenbecks Arch Chir** Suppl:141–5, 1975 (Eng. Abstr.) **(Ger)**

[Thermography: a method for the assessment of rejection time in skin transplants] Erhardt W, et al. **Langenbecks Arch Chir** Suppl:137–9, 1975 (Eng. Abstr.) **(Ger)**

[Construction of the vagina by means of split–skin or mucosal grafts (author's transl)] Wilflingseder P. **Langenbecks Arch Chir** 339:403–12, Nov 75 (Eng. Abstr.) **(Ger)**

[The therapeutic possibilities in the prevention of pedicle flap necrosis] Härtwig J, et al. **Med Welt** 27(3):124–6, 16 Jan 76 **(Ger)**

[Free grafts in the treatment of big incisional abdominal hernias] Mellin HE, et al. **Med Welt** 26(49):2219–21, 5 Dec 75 **(Ger)**

[Effects of Pentoxyphylline and dextran 40 on the perfusion of grafts and necrosis–rate following plastic surgery using swivel shunts] Olivari N, et al. **Med Welt** 26(43):1973–6, 24 Oct 75 **(Ger)**

[Skin transplantations in the horse] Dubs B, et al. **Tieraerztl Prax** 3(1):57–66, 1975 **(Ger)**

[Influence of blood supply and determination of the optimal severance time in tubed flaps of the lower extremity (author's transl)] Köhnlein HE. **Unfallheilkunde** 79(5):209–12, May 76 (Eng. Abstr.) **(Ger)**

[Operative therapy of elephantiasis penis by skin transplantation (author's transl)] Bopp GH, et al. **Urologe [A]** 15(3):122–5, May 76 (Eng. Abstr.) **(Ger)**

[Free skin grafts in plastic surgery. Transplantation techniques and indications (author's transl)] Diem E. **Wien Klin Wochenschr** 88(12):379–84, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Studies on the replantation of autologous full thickness skin grafts using highly concentrated fibinogen and clotting factor XIII] Braun VF, et al. **Wien Med Wochenschr** 125(14):213–9, 4 Apr 75 **(Ger)**

[Effect of sex hormones in prolonging survival of skin homografts in rabbits] Hampel N, et al. **Harefuah** 89(7):293–5, 1 Oct 75 (Eng. Abstr.) **(Heb)**

[Treatment of thumb injuries with a neurovascular island flap] Tsur H, et al. **Harefuah** 90(2):58–60, 15 Jan 76 (Eng. Abstr.) **(Heb)**

[Free flap with microvascular anastomoses for coverage of chronic leg ulcer] Tsur H, et al. **Harefuah** 90(6):271–3, 15 Mar 76 (Eng. Abstr.) **(Heb)**

[Xenograft in the treatment of burns] István S. **Magy Traumatol Orthop** 18(4):314–7, 1975 **(Hun)**

[Pig skin xenograft in burns. I. Technology, laboratory studies. II. Clinical experience] József B, et al. **Magy Traumatol Orthop** 19(2):138–45, 1976 (Eng. Abstr.) **(Hun)**

[The use of 'mesh graft' in traumatology] Péter C. **Magy Traumatol Orthop** 19(2):100–4, 1976 (Eng. Abstr.)

(Hun)
[Skin substitution in neck and facial burns] Zellner PR. **Magy Traumatol Orthop** 18(4):265–71, 1975 (Hun)
[Defect covering in ulcus cruris] Tamás H. **Orv Hetil** 117(26):1573–5, 27 Jun 76 (Hun)
[Antigenic competition in rabbits submitted to skin allografts] Dioguardi D, et al. **Minerva Chir** 30(23–24):1193–6, 15–31 Dec 75 (Eng. Abstr.) (Ita)
[Cholesteric liquid crystal plaque thermography. New diagnostic aid in plastic surgery (preliminary note)] Giachero E. **Minerva Chir** 30(13–14):797–805, 15–31 Jul 75 (Ita)
[Course of skin allografts in rabbits immunized by heterologous red blood cells] Laurentaci G, et al. **Minerva Chir** 30(23–24):1197–203, 15–31 Dec 75 (Eng. Abstr.) (Ita)
[Autologous skin grafts in laparoceles] La Rocca R. **Minerva Med** 67(22):1452–4, 5 May 76 (Eng. Abstr.) (Ita)
[Reconstruction of the upper lip defect due to dog bite avulsion by the Abbe–Estlander method —report of a case— (author's transl)] Asada K, et al. **J Jpn Stomatol Soc** 42(2):202–6, Jun 75 (Jpn)
[Recent progress in the reconstruction of large scalp defect and the craniofacial surgery (author's transl)] Fukuda O. **Neurol Surg (Tokyo)** 3(10):805–11, 10 Oct 75 (Jpn)
[Homologous skin transplantation in burns. Indication and method] Drablos PA, et al. **Tidsskr Nor Laegeforen** 96(7):430–1, 10 Mar 76 (Eng. Abstr.) (Nor)
[Treatment of varicose leg ulcer] Soiland H, et al. **Tidsskr Nor Laegeforen** 95(23):1305–9, 20 Aug 75 (Eng. Abstr.) (Nor)
[Management of traumatic defects of the skin at the limbs using intermediate split skin grafts] Grabski R. **Chir Narzadow Ruchu Ortop Pol** 41(1):9–14, 1976 (Eng. Abstr.) (Pol)
[Wound healing of the skin and tongue in guinea pigs after treatment with tissue glue Fixacryl] Jarzynka W, et al. **Czas Stomatol** 29(5):427–8, 1976 (Eng. Abstr.) (Pol)
[Effect of various methods of skin preservation and storage on the duration of its adherence to the graft bed] Kwarecki K, et al. **Pol Przegl Chir** 47(12):1519–25, Dec 75 (Eng. Abstr.) (Pol)
[Surgical treatment of skin loss involving the penis, scrotum and perineum] Stępniewski J, et al. **Pol Przegl Chir** 48(2 A):329–31, Feb 76 (Eng. Abstr.) (Pol)
[Influence of cortisone on the implantation of skin allotransplants] Svetikova KM, et al. **Arkh Anat Gistol Embriol** 68(5):106–13, May 75 (Eng. Abstr.) (Rus)
[Use of an immunothermistographic method for detecting humoral antibodies in the allotransplantation of skin and cornea in rabbits] Kapichnikov MM, et al. **Biull Eksp Biol Med** 80(8):81–4, Aug 75 (Eng. Abstr.) (Rus)
[Growth inhibition of embryonic tissues transplanted to syngeneic newborn recipients] Zinzar SN, et al. **Biull Eksp Biol Med** 81(4):477–80, 1976 (Eng. Abstr.) (Rus)
[Effect of intrathymus infections of cells and subcellular fractions of the donor's spleen on the reaction skin allotransplant rejection in rabbits] Imambaev SE, et al. **Eksp Khir Anesteziol** (3):53–5, May–Jun 75 (Eng. Abstr.) (Rus)
[A study of two non-complementary H-2 mutations in mice using skin transplantation and serologic analysis] Apt AS, et al. **Genetika** 11(10):33–8, 1975 (Eng. Abstr.) (Rus)
[Early dermoplasty of decubitus ulcer in spine and spinal cord injuries] Bazilevskaia ZV. **Khirurgiia (Mosk)** (11):128–33, Nov 75 (Eng. Abstr.) (Rus)
[Autodermoplasty of the abdominal wall in large postoperative hernias] Ianov VN. **Khirurgiia (Mosk)** (7):78–81, Jun 75 (Eng. Abstr.) (Rus)
[Treatment of burn wounds with the skin of the convalescents] Sokolov EF. **Khirurgiia (Mosk)** (4):21–5, Apr 75 (Eng. Abstr.) (Rus)
[Surgical treatment of cancer of the lower and upper lip with substitution of the wound defect by an arterialized labio–buccal flap] Sen'ko IA, et al. **Klin Khir** (7):66–8, Jun 75 (Rus)
[Study of cellular immunity in animals after cornea and skin transplantation and heterosensitization by the method of lymphocytolysis and chemiluminescence] Tsypin AB, et al. **Oftalmol Zh** 30(5):373–5, 1975 (Eng. Abstr.) (Rus)
[Characteristics of survival and vascularization of whole-layer skin flaps in transplantation onto the bone bed] Kirilenko AV, et al. **Ortop Travmatol Protez** (11):15–9, Nov 75 (Eng. Abstr.) (Rus)
[Late dermatoplasty in severe arm injury] Vysotskaia VI. **Ortop Travmatol Protez** (11):75–7, Nov 75 (Rus)
[Effect of radiation and cystamine on corneal induction by the eye on intact skin] Popov DV, et al. **Radiobiologiia** 15(3):430–4, May–Jun 75 (Eng. Abstr.) (Rus)
[Dermatoplasty in treatment of late radiation injuries of the skin] Bardychev MS, et al. **Vestn Khir** 116(3):82–6, Mar 76 (Eng. Abstr.) (Rus)
[Multilayer dermatoplasty by means of autodermal strip in inguinal hernia] Chetverikova AV. **Vestn Khir** 114(5):54–8, May 75 (Eng. Abstr.) (Rus)
[Plastic correction of penetrating defects of the perioral region with flat epithelized skin flap] Chudakov OP. **Vestn Khir** 116(4):107–11, Apr 76 (Eng. Abstr.) (Rus)
[Thermal treatment of autodermic implants] Ianov VN. **Vestn Khir** 114(9):90–1, Sep 75 (Rus)
[Autodermoplasty in treatment of large supra-lateral postoperative hernias] Ianov VN. **Vestn Khir** 115(11):40–4, Nov 75 (Rus)
[Free dermoplasty in scalp wounds] Kirilenko AV. **Vesta Khir** 116(4):98–102, Apr 76 (Eng. Abstr.) (Rus)
[Evaluation of survival of the pedicle flap by polarographic method] Vogralik MV, et al. **Vestn Khir** 116(3):86–9, Mar 76 (Eng. Abstr.) (Rus)
[Use of delto-pectoral skin flap with a medial base for closure of extensive pharyngoesophagostomy] Vtiurin BM, et al. **Vestn Otorinolaringol** (2):96–7, Mar–Apr 76 (Rus)
[Role of circulating antibodies and cellular factors in the pathogenesis of Staphylococcus induced rejection of skin autotransplants] Romanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):74–8, Apr 75 (Eng. Abstr.) (Rus)
[Mechanisms of accelerated rejection of allotransplants of the skin in animals sensitized with staphylococcal vaccine] Romanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):137–9, Feb 76 (Rus)
[Filatov's flap in otorhinolaryngology (on the centenary of the birth of Academician V.P. Filatov)] Kurilin IA, et al. **Zh Ushn Nos Gorl Bolezn** (2):4–14, Mar–Apr 75 (Eng. Abstr.) (Rus)
[Method of fixing of soft tissues with KL-3 glue during plastic surgery] Pkhakadze GA, et al. **Zh Ushn Nos Gorl Bolezn** (3):102–3, May–Jun 75 (Rus)
[Free skin auto-transplantation in ophthalmo-plastic surgery] Stavrić B, et al. **Srp Arh Celok Lek** 103(9):723–9, Sep 75 (Eng. Abstr.) (Ser)
[Surgical reconstruction of the orbital cavity and eyelids using tubular skin graft in war injuries] Kraguljac V. **Vojnosanit Pregl** 33(1):14–7, Jan–Feb 76 (Ser)
[Reconstruction of the abdominal wall defects by free skin graft] Kraguljac V, et al. **Vojnosanit Pregl** 33(2):119–21, Mar–Apr 76 (Ser)
[8 cases of congenital absence of vagina: treatment with free skin graft for a new vagina] Alvarez González F, et al. **Ginecol Obstet Mex** 38(225):67–72, Jul 75 (Eng. Abstr.) (Spa)
[Editorial: Has Skintec antibacterial effect?] Bartholdson L, et al. **Lakartidningen** 73(11):947, 10 Mar 76 (Swe)
[Treatment of ischemic wounds in the elderly by covering with pigskin heterografts] Hansson B, et al. **Lakartidningen** 72(48):4736–7, 26 Nov 75 (Eng. Abstr.) (Swe)
[Views on surgical treatment of malignant melanoma] Jacobsson S. **Lakartidningen** 73(7):530–1, 11 Feb 76 (Eng. Abstr.) (Swe)
[A comparative study of the effect of ALS against normal and sensitized lymphocytes on the viability of rat skin transplants] Antonenko LI. **Fiziol Zh** 20(5):590–6, Sep–Oct 74 (Eng. Abstr.) (Ukr)

ULTRASTRUCTURE

Ultrastructural changes in scleromyxedema. Danielsen L, et al. **Acta Derm Venereol (Stockh)** 55(6):451–60, 1975
Surface ultrastructure of human skin. Hashimoto K, et al. **Acta Derm Venereol (Stockh)** 55(6):413–30, 1975
Histogenesis of mucin in follicular mucinosis. An electron microscopic study. Ishibashi A. **Acta Derm Venereol (Stockh)** 56(3):163–71, 1976
Ultrastructure of localized myxedema. Kobayasi T, et al. **Acta Derm Venereol (Stockh)** 56(3):173–85, 1976
Electron microscopic study of nevic corpuscle. Niizuma K. **Acta Derm Venereol (Stockh)** 55(4):283–9, 1975
Lentiginosis profusa syndrome. IV. Giant pigment granules (light microscopy). Selmanowitz VJ. **Acta Derm Venereol (Stockh)** 55(6):481–4, 1975
Ultrastructure of human sebaceous follicles and comedones following treatment with vitamin A acid. Wolff HH, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:99–110, 27–29 Jan 75
A minimum-surface mechanism to account for the organization of cells into columns in the mammalian epidermis. Menton DN. **Am J Anat** 145(1):1–22, Jan 76
The use of ultraviolet light to induce melanogenesis in the epidermis of the rhesus monkey: an ultrastructural and biochemical study. Erickson KL. **Anat Rec** 184(4):637–63, Apr 76
Ciliated and secretory epidermis produced from embryonic mammalian skin in organ culture by vitamin A. Sweeny PR, et al. **Anat Rec** 185(1):93–9, May 76
Examination of normal and psoriatic human skin with scanning electron microscopy. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 20(2):145–6, 1975
Eelectron microscopic studies on skin collagen. Groniowska M, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):43–4, 1976
Ultrastructural studies on skin collagen by means of ruthenium red. Groniowska M, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):41–3, 1976
Graft versus host reaction. An ultrastructural study. De Dobbeleer GD, et al. **Arch Dermatol** 3(12):1597–902, Dec 75
Acrodermatitis enteropathico. Abnormalities of fat metabolism and integumental ultrastructures in infants. Ginsburg R, et al. **Arch Dermatol** 112(5):653–60, May 76
Angiokeratoma corporis diffusum (Fabry disease). A lysosomal disease. Hashimoto K, et al. **Arch Dermatol** 112(10):1416–23, Oct 76
Ultrastructural studies in epidermolysis bullosa hereditaria. II. Dominant dystrophic type of Cockayne and Touraine. Hashimoto I, et al. **Arch Dermatol Res** 255(3):285–95, 21 Jun 76
Ultrastructural studies in epidermolysis bullosa hereditaria. III. Recessive dystrophic types with dermolytic blistering (Hallopeau–Siemens types and inverse type). Hashimoto I, et al. **Arch Dermatol Res** 256(2):137–50, 27 Aug 76
Immunochemical localization of in vivo bound immunoglobulins in pemphigus vulgaris epidermis. Employment of a peroxidase-antiperoxidase multistep technique for light and electron microscopy. Hönigsmann H, et al. **Arch Dermatol Res** 254(2):113–20, 10 Dec 75
Desmosome-like structures in the cytoplasm of normal human keratinocyte. Komura J, et al. **Arch Dermatol Res** 253(2):145–9, 12 Sep 75
Ultrastructural studies on the external surface coat of epidermal cells: alcian blue–lanthanum nitrate staining during wound healing. Krawczyk WS. **Arch Dermatol Res** 255(2):157–62, 21 Apr 76
On the occurrence of sphaeridia in basalioma cells and the basal cells of the overlying epidermis. Rupec M, et al. **Arch Dermatol Res** 256(1):33–7, 26 Jul 76
Ultrastructure of inborm errors of keratinization. VII. Porokeratosis Mibelli and disseminated superficial actinic porokeratosis. Sato A, et al. **Arch Dermatol Res** 255(3):271–84, 21 Jun 76
Netherton's syndrome: an electronmicroscopic study. Thorne EG, et al. **Arch Dermatol Res** 253(2):177–83, 12 Sep 75
Effect of protective agent against lipid–solvent–induced damages. Ultrastructural and scanning electron microscopical study of human epidermis. Lupulescu AP, et al. **Arch Environ Health** 31(1):33–6, Jan–Feb 76
Lysosomal storage disorders. Diagnosis by ultrastructural examination of skin biopsy specimens. O'Brien JS, et al. **Arch Neurol** 32(9):592–9, Sep 75
Light and electron microscopic differentiation of amyloid and colloid or hyaline bodies. Ebner H, et al. **Br J Dermatol** 92(6):637–45, Jun 75
Electron microscopy of ancient Egyptian skin. Lewin PK, et al. **Br J Dermatol** 94(5):573–6, May 76
The ultrastructural changes in the skin in dermatitis herpetiformis after withdrawal of dapsone. Riches DJ, et al. **Br J Dermatol** 94(1):31–7, Jan 76
A rapid method for identifying nucleated horn cells. Tring FC. **Br J Dermatol** 94(3):339–40, Mar 76
The fine structure of the carapace integument of Daphnia magna Straus (Crustacea Branchiopoda). Halcrow K. **Cell Tissue Res** 169(2):267–76, 14 Jun 76
The fine structure of the epidermis of two species of salmonid fish, the Atlantic salmon (Salmo salar L.). and the brown trout (Salmo trutta L.) Harris JE, et al. **Cell Tissue Res** 163(4):535–43, 19 Nov 75
The ultrastructure and calcification of the scales of Tilapia mossambica (Peters). Lanzing WJ, et al. **Cell Tissue Res** 167(1):37–47, 5 Mar 76
Dominant ichthyosis vulgaris with an ultrastructurally normal granular layer. Fitch N, et al. **Clin Genet** 9(1):71–6, Jan 76
Variegated translocation mosaicism in human skin fibroblast cultures. Hoehn H, et al. **Cytogenet Cell Genet** 15(5):282–98, 1975
Epidermolysis bullosa hereditaria with junctional blistering in an adult. Hashimoto I, et al. **Dermatologica** 152(2):72–86, 1976
Mode of dermal–epidermal adhesion. Omar A, et al. **Dermatologica** 150(6):321–33, 1975
Tonofilament–desmosome complex in induced regenerated epidermis in senile elastosis. An electron microscopic study. Vukas A, et al. **Dermatologica** 152(3):142–51, 1976
Scanning electron microscopic visualization of collagen fibers in embryonic chick skin. Overton J, et al. **Dev Biol** 48(1):80–90, Jan 76
Human copper deficiency: ultrastructural studies of the aorta and skin in a child with Menkes' syndrome. Oakes BW, et al. **Exp Mol Pathol** 25(1):82–98, Aug 76
Demonstration of gap junctions by lanthanum in the vitamin A acid–treated skin tumor, keratoacanthoma. Prutkin L. **Experientia** 31(11):1346–8, 15 Nov 75
Dense particles in subcutaneous collagen fibrils. Takaya K. **Experientia** 32(2):162–4, 15 Feb 76
Lysosomes and the skin. Lazarus GS, et al. **Front Biol** 43(4):111–43, 1975 (137 ref.)
Epidermolysis bullosa dystrophica dominans (Pasini)–a primary structural defect of the anchoring fibrils. Anton–Lamprecht I, et al. **Hum Genet** 32(1):69–76, 15 Apr 76
Angiosarcoma of the skin. A clinicopathologic and fine structural study. Rosai J, et al. **Hum Pathol** 7(1):83–109, Jan 76
The involvement of procollagen in spatially orientated fibrogenesis. pp. 33–50. Lapière CM, et al. **In: Burleigh PM, Poole AR, ed. Dynamics of connective tissue macromolecules. Amsterdam, North–Holland, 1975. QU 532.C7 S989d 1974.**
Scanning electron microscopy of tissues following removal of basement membrane and collagen. pp. 203–8, 504. Evan A, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**
The cuticular patterns and structures of pleocopteran nymphs (Insecta) as revealed by scanning electron microscopy. pp. 619–22. Kapoor NN. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th**

v.2 1976.

Vitamin-A-induced mucous metaplasia. An in vitro system for modulating tight and gap junction differentiation. Elias PM, et al. **J Cell Biol** 68(2):173-88, Feb 76

An electron microscope study of Darier's disease. Biagini G, et al. **J Cutan Pathol** 2(1):47-9, 1975

The diagnosis of mucopolysaccharidoses by electron microscopy of skin biopsies. Bioulac P, et al. **J Cutan Pathol** 2(4):179-90, 1975

Topical 5-fluorouracil treatment of superficial basal cell epithelioma. A light and electron microscopic study. Hodge SJ, et al. **J Cutan Pathol** 2(6):284-93, 1975

Lichen sclerosus et atrophicus: an electron microscopic study. Kint A, et al. **J Cutan Pathol** 2(1):30-4, 1975

alpha1-Antitrypsin deficiency and skin abnormalities. Ledoux-Corbusier M, et al. **J Cutan Pathol** 2(1):25-9, 1975

Ultrastructure of pustules in impetigo herpetiformis. Yamada M, et al. **J Cutan Pathol** 3(1):35-40, 1976

Electron microscopic study of porphyrias. Nonaka S, et al. **J Dermatol (Tokyo)** 2(2):87-92, Jun 75

Further studies on the isolation of ribosomes from normal and methylcholanthrene-treated mouse epidermis. Argyris TS, et al. **J Invest Dermatol** 65(3):334-6, Sep 75

Staphylococcal toxic epidermal necrolysis: pathogenesis and studies on the subcellular site of action of exfoliatin. Elias PM, et al. **J Invest Dermatol** 65(6):501-12, Dec 75

Action of staphylococcal epidermolytic toxin on mouse skin: an electron microscopic study. McLay AL, et al. **J Invest Dermatol** 65(5):423-8, Nov 75

Letter: Lysosomes in the skin. Rowden G. **J Invest Dermatol** 66(1):57-8, Jan 76

T-cell membrane characteristics of 'mycosis cells' in the skin and lymph node. van Leeuwen AW, et al. **J Invest Dermatol** 65(4):367-9, Oct 75

Trends in electron microscopy of skin. Wolff K, et al. **J Invest Dermatol** 67(1):39-57, Jul 76 (189 ref.)

Herpes gestationis. Ultrastructure and ultrastructural localization of in vivo-bound complement. Yaoita H, et al. **J Invest Dermatol** 66(6):383-8, Jun 76

Preliminary observations on the epidermal melanocytes of Thai (Mongoloid) skin: DOPA--reaction and electron microscopic studies. Srisopark SS. **J Med Assoc Thai** 59(2):61-70, Feb 76

A technique for preparing human dermal and scar specimens for scanning electron microscopy. Sommerlad BC, et al. **J Microsc (Oxf)** 103(3):369-76, Apr 75

Ultrastructural observations on the enzymatic activity of keratinosomes. Gonzalez LF, et al. **J Ultrastruct Res** 55(2):203-11, May 76

Epidermal globular nuclear inclusions: an ultrastructural cytochemical study. Karásek J, et al. **J Ultrastruct Res** 56(1):15-20, Jul 76

Lamellar bodies of the turtle epidermis. Matoltsy AG, et al. **J Ultrastruct Res** 53(1):128-32, Oct 75

On the question of the ultrastructure and composition of corpus intra cristam after local methylcholanthrene application. Rupec M, et al. **J Ultrastruct Res** 54(3):388-96, Mar 76

Cytoarchitecture of surface layer cells of the teleost epidermis. Schliwa M. **J Ultrastruct Res** 52(3):377-86, Sep 75

The ultrastructure of the hair follicles in early and late catagen, with special reference to the alteration of the junctional structure between the dermal papilla and epithelial component. Sugiyama S, et al. **J Ultrastruct Res** 54(3):359-73, Mar 76

Early interactions of the virus Molluscum contagiosum with its host cell. Virus-induced alterations in the basal and suprabasal layers of the epidermis. Vreeswijk J, et al. **J Ultrastruct Res** 54(1):37-52, Jan 76

Tubuloreticular inclusions in neonatal lupus erythematosus. Levy SB, et al. **JAMA** 235(25):2743-4, 21 Jun 76

The significance of surface structures of the epidermis from the buttocks callosity of the cynomolgous macaque. Muto H, et al. **Okajimas Folia Anat Jpn** 53(1):1-9, May 76

The use of tannic acid-glutaraldehyde in the study of elastic and elastic-related fibers. Cotta-Pereira G, et al. **Stain Technol** 51(1):7-11, Jan 76

Electronmicroscopy of lichen sclerosis et atrophicus. Daróczy J, et al. **Trans St Johns Hosp Dermatol Soc** 60(2):183-7, 1974

Ultrastructure of swine pox. Kim JC, et al. **Vet Med Small Anim Clin** 70(9):1043-5, Sep 75

[Histochemical and ultrastructural study of normal skin in subjects with type IV hyperlipemia] Balas D, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):423-8, 1975 **(Fre)**

[Appearance of desmosome plaques of cells of the horny layer of the human epidermis, under the scanning electron microscopy] Barrière H, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):77-80, 1975 **(Fre)**

[Kaposi's disease. Ultrastructural study of 4 cases] Bonerandi JJ, et al. **Ann Dermatol Syphiligr (Paris)** 102(5-6):499-506, 1975 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of non-keratinized cells of the epidermis] Olmos L. **Ann Dermatol Syphiligr (Paris)** 102(1):50-4, 1975 **(Fre)**

[Ultrastructural localization of antibodies fixed at skin level in lupus erythematosus: immunolabeling with cytochrome c (author's transl)] Schmitt D, et al. **Ann Immunol (Paris)** 125(6):959-67, Nov 74 (Eng. Abstr.) **(Fre)**

[Cutaneous calcinosis induced by topical calciphylaxis in rats. I. Ultrastructural aspcts] Boivin G. **Arch Anat Microsc Morphol Exp** 64(2):183-205, Apr-Jun 75 (Eng. Abstr.) **(Fre)**

[Actinoreticulosis occuring during a late skin porphyria: optic and ultrastructural study of a case (presence of Langerhans granules in the histiocytes of the infiltrate] Schnitzler L, et al. **Arch Anat Pathol (Paris)** 23(2):145-50, Jun 75 **(Fre)**

[Proceedings: Letterer-Siwe disease. Profuse cutaneous form. Ultrastructural study] Beylot C, et al. **Arch Fr Pediatr** 32(5):488, May 75 **(Fre)**

[Cutaneous leishmaniasis: ultrastructural study (author's transl)] Bourlond-Reinert L, et al. **Dermatologica** 151(2):113-24, 1975 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of the arrector muscle in the patient with scleroderma. Preliminary analysis apropos of 3 cases] Leclerc JP, et al. **Sem Hop Paris** 51(7):461-3, 8 Feb 75 (Eng. Abstr.) **(Fre)**

[The value of electron microscopy for diagnosis in practical dermatology (author's transl)] Frenk E. **Ther Umsch** 31(5):329-33, May 74 (Eng. Abstr.) **(Fre)**

[Ultrastructure of the epidermis in seborrhoic dermatitis (author's transl)] Metz J, et al. **Arch Dermatol Forsch** 252(4):285-96, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Ultrastructure of solid basalioma. A morphometric study (author's transl.)] Rupec M, et al. **Dermatologica** 151(5):288-95, 1975 (Eng. Abstr.) **(Ger)**

[Results and progress of scanning- and analytical electron microscopy in dermatology] Orfanos CE. **Hautarzt** 27(6):261-71, Jun 76 (95 ref.) (Eng. Abstr.) **(Ger)**

[Postnatal development of simple encapsulated corpuscles in the nasal planum of the domestic cat (Felis silvestris, f. catus L.) Electron microscopy study] Halata Z. **Verh Anat Ges** 69:855-6, 1975 **(Ger)**

[Proceedings: Ultrastructural skin changes in acromegaly] Hardmeier T, et al. **Verh Dtsch Ges Pathol** 59:449, 1975 **(Ger)**

[Problems of quantitative determination of the nuclear DNA content of the human epidermis with respect to regeneration and aging (author's transl)] Tschahargane C, et al. **Verh Dtsch Ges Pathol** 59:290-4, 1975 (Eng. Abstr.) **(Ger)**

[Scanning electron microscopic studies on the surface structure of macrophages in human skin (author's transl)] Asagami C, et al. **Jpn J Dermatol** 85(12):724-9, Oct 75 **(Jpn)**

[Study on the surface of fat cells in normal human skin by scanning and cryoscanning electron microscopy (author's transl)] Asagami C, et al. **Jpn J Dermatol** 85(13):811-22, Nov 75 **(Jpn)**

[Scanning electron microscopic observations on the vertically cracked human skin--especially on the point of cell infiltration. Further observations on the infiltrating cells in the skin window method (author's transl)] Uchiyama M. **Jpn J Dermatol** 85(12):720-3, Oct 75 **(Jpn)**

[Electron microscopic observations on dermal infiltrating cells in some skin diseases (author's transl)] Yamada M. **Jpn J Dermatol** 85(12):716-9, Oct 75 **(Jpn)**

[Connective tissue and aging. (5) Changes of collagen fibers of the dermis with aging] Ishibashi Y. **Jpn J Geriatr** 12(3):140-9, May 75 **(Jpn)**

[Changes in the ultrastructure of human epidermis as a result of freezing] Mikhaĭlov IN. **Biull Eksp Biol Med** 81(3):379-81, Mar 76 (Eng. Abstr.) **(Rus)**

[Ultrafine structure of the integument of the tick Hyalomma asiaticum P. Sch. et E. Schl. in starvation and feeding] Amosova LI. **Parazitologiia** 9(5):412-8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Electron microscopic studies of the skin in dermatitis herpetiformis] Torsuev NA, et al. **Przegl Dermatol** 62(4):489-95, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

SKIN ABSORPTION

Penetration of vitamin A acid into human skin. Schaefer H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:50-5, 27-29 Jan 75

Attempt to induce cataracts in rabbits by cutaneous application of acetone. Rengstorff R, et al. **Am J Optom Physiol Opt** 53(1):41-2, Jan 76

Letter: Penetration of topical steroid preparations. Lee SS, et al. **Arch Dermatol** 112(2):261, Feb 76

Percutaneous penetration following use of hair dyes. Maibach HI, et al. **Arch Dermatol** 111(11):1444-5, Nov 75

Dependence of corticosteroid penetration on the vehicle. Polano MK, et al. **Arch Dermatol** 112(5):675-80, May 76

Penetration, permeation, and resorption of 8-methoxypsoralen. Comperative in vitro and in vivo studies after topical application of four standard preparations. Kammerau B, et al. **Arch Dermatol Res** 255(1):31-42, 10 Mar 76

Percutaneous absorption of 14C-9alpha-fluoro-11beta,21-dihydroxy-3,20-dioxopregn (17alpha,16alpha-d)-2'-methyloxazolidine-21-acetate (L 6400) in rats, pigs and humans. Comparison with 3H-triamcinolone acetonide. Lewis JD, et al. **Arzneim Forsch** 25(10):1646-50, Oct 75

Kinetic study of the percutaneous absorption of 1,2,4-3H-labelled flupamesone. Rimbau V, et al. **Arzneim Forsch** 25(7):1040-2, Jul 75

Absolute concentrations of an antimycotic agent, econazole, in the human skin after local application. Schaefer H, et al. **Arzneim Forsch** 26(3):432-5, 1976

Percutaneous absorption, vehicles and dermatological prescribing. Kidd K. **Australas J Dermatol** 16(2):60-78, Aug 75 (94 ref.)

The absorption of hexachlorophane from Ultralanum ointment. Bye PG, et al. **Br J Dermatol** 93(2):209-13, Aug 75

Absorption and biotransformation of topically applied 8-(methylthio) cyclic AMP. Studies in dogs and humans. Dreyfuss J, et al. **Br J Dermatol** 93(4):379-90, Oct 75

The percutaneous penetration of nandrolone decanoate. Foreman MI, et al. **Br J Dermatol** 93(1):47-52, Jul 75

Model studies on percutaneous absorption and transport in the ointment. I. Theoretical aspects. Kakemi K, et al. **Chem Pharm Bull (Tokyo)** 23(9):2109-13, Sep 75

Model studies on percutaneous absorption and transport in the ointment. II. Hydrophilic ointment of NaI. Kakemi K, et al. **Chem Pharm Bull (Tokyo)** 23(9):2114-7, Sep 75

The percutaneous absorption and disposition of the antibacterial agent bronopol in rats and rabbits. Risdall PC, et al. **Food Cosmet Toxicol** 14(3):189-92, Jun 76

Insulin transport across intact frog skin. Greenwald L, et al. **Gen Comp Endocrinol** 29(3):426-9, Jul 76

m-Dinitrobenzene intoxication due to skin absorption. Ishihara N, et al. **Int Arch Occup Environ Health** 36(3):161-8, 26 Jan 76

An autoradiographic study on the percutaneous absorption of a topical corticosteroid, with reference to the effects of occlusive treatment and stripping. Takeda Y. **J Dermatol (Tokyo)** 2(3):131-6, Sep 75

Percutaneous penetration and metabolism of topical (14C)flutamide in men. Katchen B, et al. **J Invest Dermatol** 66(6):379-82, Jun 76

Percutaneous absorption of betamethasone 17-benzoate measured by radioimmunoassay. Mizuchi A, et al. **J Invest Dermatol** 67(2):279-82, Aug 76

Percutaneous absorption after twenty-five years: or 'old wine in new wineskins'. Scheuplein RJ. **J Invest Dermatol** 67(1):31-8, Jul 76

Percutaneous absorption of dexamethasone estimated by a plasma radioimmunoassay. Zirker D, et al. **J Invest Dermatol** 66(6):376-8, Jun 76

A household remedy misused--fatal cresol poisoning following cutaneous absorption (a case report). Green MA. **Med Sci Law** 15(1):65-6, Jan 75

The influence of formulation on the percutaneous absorption of proflavine hemisulphate. Selkirk AB, et al. **Pharm Acta Helv** 51(6):160-3, 1976

Percutaneous absorption of vinyl chloride. Hefner RE Jr, et al. **Toxicol Appl Pharmacol** 34(3):529-32, Dec 75

Percutaneous absorption of hexachlorophene in the rat. Nakaue HS, et al. **Toxicol Appl Pharmacol** 35(2):381-91, Feb 76

Comparative percutaneous absorption of pyrithiones. Howes D, et al. **Toxicology** 5(2):209-20, Nov 75

Percutaneous absorption of triclocarban in rat and man. Howes D, et al. **Toxicology** 6(1):67-76, Jun 76

[Precutaneous absorption of 125I-thyroxine and 125I-triiodothyronine in the rat in vivo] James M, et al. **Ann Pharm Fr** 32(12):633-40, Dec 74 (Eng. Abstr.) **(Fre)**

[Penetration of radioactive hydrocortisone in human skin from various ointment bases. II. In vivo-experiments (author's transl)] Zesch A, et al. **Arch Dermatol Forsch** 252(4):245-56, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Penetrations kinetics and distribution of topically applied estrogens (author's transl)] Wendker H, et al. **Arch Dermatol Res** 256(1):67-74, 26 Jul 76 (Eng. Abstr.) **(Ger)**

[In-vitro and in-vivo studies on the percutaneous absorption of systemic P 32-labelled insecticide organophosphorus compounds in cattle] Dedek W, et al. **Arch Exp Veterinaermed** 29(6):857-68, Dec 75 (Eng. Abstr.) **(Ger)**

[Studies on the penetrability of skin (author's transl)] Przerwa M, et al. **Arzneim Forsch** 25(7):1048-53, Jul 75 (Eng. Abstr.) **(Ger)**

[The effect of lipophilic emulsifiers on drug release from ointments. 2. Results from live rabbit skin and rats] Török J, et al. **Pharmazie** 31(3):174-5, 1976 **(Ger)**

[In vitro studies on percutaneous resorption of systemic insecticidal organophosphorus compounds (OPC)] Wenzel K, et al. **Pharmazie** 31(6):402-4, Jun 76 **(Ger)**

[Introduction of molecular-biological mode of action of 8-methoxypsoralen as well as penetration kinetics in the skin] Schaefer H, et al. **Z Hautkr** 50(12):534-5, 15 Jun 75 **(Ger)**

[Percutaneous absorption of isotope labelled antibiotics (author's transl)] Takahashi H, et al. **Jpn J Dermatol [A]** 85(9):517-24, Aug 75 **(Jpn)**

[On the transfollicular absorption of salicylic acid (author's transl)] Takahashi H, et al. **Jpn J Dermatol [A]** 85(7):413-5, Jun 75 **(Jpn)**

DRUG EFFECTS

Effect of dimethyl sulfoxide on permeability of human skin in vitro. Astley JP, et al. **J Pharm Sci** 65(2):210-5, Feb 76

Effects of ethanol on the permeability of frog skin. Yorio T, et al. **J Pharmacol Exp Ther** 197(2):340-51, May 76

[Effect of vehicle composition on the liberation and percutaneous penetration of corticosteroids] Moës-Henschel V, et al. **J Pharm Belg** 30(4):390-404, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[Biological concept of the membrane in dermo-pharmacy and cosmetology] Caldini O, et al. **Boll Chim Farm** 114(10):545-57, Oct 75 **(Ita)**

[Absorption of vitamin A from ointment in vitro by the skin] Wardyńska H. **Acta Pol Pharm** 33(3):403–6, 1976 (Eng. Abstr.) **(Pol)**

[Evaluation of the skin resorptive action of testosterone and its esters] Fedorov VK, et al. **Farmakol Toksikol** 38(5):596–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Skin resorptive action of diepoxy resins] Kharchenko TF, et al. **Gig Tr Prof Zabol** (5):27–30, May 74 (Eng. Abstr.) **(Rus)**

[Data on the characteristics of the skin resorptive action of tricresyl phosphate in a mixture with adipic acid ether] Litau VG. **Gig Tr Prof Zabol** (9):58–9, Sep 75 **(Rus)**

SKIN APPENDAGE DISEASES

Hair follicle mites (Acari: Demodicidae) of man. Nutting WB. **Int J Dermatol** 15(2):79–98, Mar 76 (64 ref.)

Cronkhite–Canada syndrome. Burnell RH. **Med J Aust** 1(11):347–8, 13 Mar 76

Nail disorders. Tring FC. **Nurs Times** 72(35):1346–8, 2 Sep 76

[Occupational onycholysis] Somov BA, et al. **Vestn Dermatol Venerol** (2):51–5, Feb 76 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Bird's nest hair. Matting of scalp hair due to shampooing. Dawber RP, et al. **Clin Exp Dermatol** 1(2):155–58, Jun 76

[Leukonychia in bands due to paraquat] Dobbelaere F, et al. **Arch Belg Dermatol** 30(4):283–4, Oct–Dec 74 **(Fre)**

[Nail changes and loss of hair: cardinal signs of mercury poisoning from hair bleaches (author's transl)] Wüstner H, et al. **Dtsch Med Wochenschr** 100(34):1694–7, 1692, 22 Aug 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

The tricho–rhino–phalangeal syndrome (a family with three affected members). Besser F, et al. **Br J Dermatol** 95 Suppl 24:39–41, Jul 76

DIAGNOSIS

[Nail atrophy and trachyonychia] Achten G, et al. **Arch Belg Dermatol** 30(4):201–7, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[Trichostasis spinulosa. A frequent follicular age–dependent change of the facial skin] Goldschmidt H, et al. **Hautarzt** 26(6):299–303, Jun 75 **(Ger)**

DRUG THERAPY

[The effect of bath additive concentration and the water temperature on the refatting effect of oil bath additives] Gloor M, et al. **Hautarzt** 26(11):589–92, Nov 75 (Eng. Abstr.) **(Ger)**

[Utilization of oral dermotrophic vitamin therapy with LA–650 in skin, mucous and joined conditions (author's transl)] González MG. **Folia Clin Int (Barc)** 25(7–8):431–4, Jul–Aug 75 **(Spa)**

FAMILIAL & GENETIC

Phenotypic heterogeneity among the pilosebaceous dysplasias. Solomon LM. **Mod Probl Paediatr** 17:11–4, 1975

PATHOLOGY

Two autopsy cases of diffuse gastrointestinal polyposis with ectodermal changes. Cronkhite–Canada syndrome. Miyoshi M, et al. **Am J Gastroenterol** 64(5):357–64, Nov 75

Leukonychia striae. Honda M, et al. **Arch Dermatol** 112(8):1147, Aug 76

Subungual keratoacanthoma. Macaulay WL. **Arch Dermatol** 112(7):1004–5, Jul 76

[Structure and pathogenic interpretation. Acquired dystrophies of the hair] Pierard GE. **Ann Dermatol Syphiligr (Paris)** 102(2):137–43, 1975 (Eng. Abstr.) **(Fre)**

[Trichorrhexis congenita. Scanning electron microscopic studies on a congenital disorder of hair growth] Wolff HH, et al. **Hautarzt** 26(11):576–80, Nov 75 (Eng. Abstr.) **(Ger)**

[Two autopsy cases of Cronkhite–Canada syndrome (author's transl)] Fujii H, et al. **J Jpn Soc Intern Med** 64(6):574–82, 10 Jun 75 **(Jpn)**

SKIN DISEASES

Letter: Granuloma intertriginosum infantum (granuloma glutaeale infantum). Hamada T. **Arch Dermatol** 111(8):1072–3, Aug 75

Xanthogranuloma in adults. Rodriguez J, et al. **Arch Dermatol** 112(1):43–4, Jan 76

Letters to the editor: Description of skin diseases and white skin. Rook A, et al. **Arch Dermatol** 112(4):553, Apr 76

Advances in dermatology—1974. Winkelmann RK. **Australas J Dermatol** 16(1):1–8, Apr 75 (115 ref.)

Proceedings: Ashy dermatosis. **Br J Dermatol** 94(2):227–8, Feb 76

Lichen myxoedematosus. Byrne JP, et al. **Br J Dermatol** 95 Suppl 24:52–4, Jul 76

The clinical spectrum of Sweet's syndrome (acute febrile neutrophilic dermatosis)–a report of eighteen cases. Gunawardena DA, et al. **Br J Dermatol** 92(4):363–73, Apr 75

Generalized plane xanthoma. James MP, et al. **Br J Dermatol** 95 Suppl 24:50–1, Jul 76

Further studies of scratching during sleep. Savin JA, et al. **Br J Dermatol** 93(3):297–302, Sep 75

Mudi–childhood on the pinnae. Sugathan P. **Br J Dermatol** 95(2):197–8, Aug 76

Lymphomatoid granulomatosis. Macdonald DM, et al. **Clin Exp Dermatol** 1(2):163–73, Jun 76

Lichen myxoedematosus of urticarial type without paraproteinaemia. Enerbäck L, et al. **Dermatologica** 152(5):309–15, 1976

Letter: Tropical skin disease conference. Pettit JH. **Int J Dermatol** 15(3):216–7, Apr 76

Vasculitis. Roenigk HH Jr. **Int J Dermatol** 15(6):395–404, Jul–Aug 76 (16 ref.)

Problems in pigmentation. Kramer KJ, et al. **J Fla Med Assoc** 63(1):62–4, Jan 76

Skin problems of blacks. Kenney JA Jr. **JAMA** 236(3):301–3, 19 Jul 76

Adolescents on the surface. Common dermatologic problems. Brookman RR. **Med Clin North Am** 59(6):1473–80, Nov 75

Diseases of the skin of the newborn. Kahn G. **Mod Probl Paediatr** 17:95–100, 1975 (16 ref.)

Cosmetic camouflage. Stewart TW. **Practitioner** 216(1292):174–77, Feb 76

Skin problems in the older patient. Verbov J. **Practitioner** 215(1289):612–22, Nov 75

Multicentric reticulohistiocytosis. A case report. Jessop S, et al. **S Afr Med J** 49(53):2191–2, 13 Dec 75

Studies in morphogenetic dermatology. Annotations concerning keratoacanthoma, dyskeratosis congenita, elastosis perforans, unilateral congenital psoriasiform erythroderma with ipsilateral limb defect, cavernous haemangioma, lipoid proteinosis, reticulohistiocytoma and pigmented neurofibroma. Findlay GH. **Trans St Johns Hosp Dermatol Soc** 60(2):152–9, 1974

[Proceedings: Colloid milium] Garrel J, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):399–400, 1975 **(Fre)**

[Angiolymphoid hyperplasia with eosinophilia] Gomez Orbaneja J, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):408–9, 1974 **(Fre)**

[Cutaneous periarteritis nodosa] Bourlond A, et al. **Arch Belg Dermatol** 30(1):49–51, Jan–Mar 74 (Eng. Abstr.) **(Fre)**

[Perforating granuloma anulare (author's transl)] Gattlen JM, et al. **Dermatologica** 151(6):368–75, 1975 **(Fre)**

[Cronkhite–Canada syndrome. Radiological diagnosis(author's transl)] Maurer HJ. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):399–404, May 75 (Eng. Abstr.) **(Ger)**

[The Rothmund–Thomson–syndrome. A case report] Diem E. **Hautarzt** 26(8):425–9, Aug 75 (Eng. Abstr.) **(Ger)**

[What's new in American dermatology?] Hollander A. **Hautarzt** 26(11):568–73, Nov 75 **(Ger)**

[Recent progress in American dermatology] Hollander A. **Hautarzt** 27(1):8–11, Jan 76 **(Ger)**

[The spontaneous mediastinal and skin emphysema] Sänger R, et al. **Z Gesamte Inn Med** 30(14):475–7, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[Social situation of persons with dermatoses as a phenomena of interpersonal perception (author's transl)] Bosse K, et al. **Z Psychosom Med Psychoanal** 22(1):3–61, Jan–Mar 76 (Eng. Abstr.) **(Ger)**

[Dyskeratosis congenital] Bopp C, et al. **Med Cutan Iber Lat Am** (1):31–9, 1974 (Eng. Abstr.) **(Por)**

[Editorial: Pediatric dermatology] Dauden Sala C. **Actas Dermosifiliogr** 65(9–10):401–4, Sep–Oct 74 **(Spa)**

[A tropical zoodermatosis. Lesions produced by Cordylobia antropophaga] Gómez Armario JM, et al. **Actas Dermosifiliogr** 67(7–8):543–6, Jul–Aug 76 **(Spa)**

[Degos' malignant atrophic papulosis (observation of a case in an infant)] González JA, et al. **Actas Dermosifiliogr** 66(5–6):317–9, May–Jun 75 **(Spa)**

[Idiopathic progressive atrophodermia of Pasini Pierini] Pascual AM, et al. **Actas Dermosifiliogr** 66(11–12):605–10, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Lichen aureus] Piñól Aguade J, et al. **Med Cutan Iber Lat Am** 2(4):263–6, 1974 (Eng. Abstr.) **(Spa)**

[Hereditary acrokeratotic poikiloderma] Pons S, et al. **Med Cutan Iber Lat Am** 3(6):415–22, 1975 (Eng. Abstr.) **(Spa)**

[Recurrent pustulosis in adopted children from southern and eastern Asia] Björnberg A. **Lakartidningen** 72(52):5142, 24 Dec 75 (Eng. Abstr.) **(Swe)**

BLOOD

Analyses in blood of dermatological patients. I. Glutathione and glutathione reductase. Seutter E, et al. **Dermatologica** 151(4):193–8, 1975

Heparin precipitable fraction (HPF) from dermatoligical patients. I. Characterization of the thrombin–clottable protein. Fyrand O, et al. **Thromb Res** 8(1):17–29, Jan 76

[Examination of the peripheral blood in 100 dermatology cases] Pruniéras M, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):33–9, 1975 (Eng. Abstr.) **(Fre)**

[Dyslipidemias in dermatology] Sabatini C. **Minerva Med** 66(66):3439–48, 6 Oct 75 **(Ita)**

[Blood histamine in some autoimmune skin diseases following administration of immunosuppressive drugs] Lańcucki Y, et al. **Pol Tyg Lek** 31(11):425–7, 15 Mar 76 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Electron microscope findings after toxic doses of vitamin A acid in man. Merker H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:64–72, 27–29 Jan 75

Letter: Local subcutaneous atrophy following measles, mumps, and rubella vaccination. Buntain WL, et al. **Am J Dis Child** 130(3):335, Mar 76

Potassium iodide and iododerma. Baumgartner TG. **Am J Hosp Pharm** 33(6):601–3, Jun 76

Cutaneous pharmacology and toxicology. Maibach HI. **Annu Rev Pharmacol Toxicol** 16:401–11, 1976 (95 ref.)

Letter: Dermatitis medicamentosa: a pitfall for the unwary. Clemons DE, et al. **Arch Dermatol** 112(8):1179, Aug 76

Letter: Skin reactions associated with propranolol. Cochran RE, et al. **Arch Dermatol** 112(8):1173–4, Aug 76

Letter: Xerosis from lithium carbonate. Hoxtell E, et al. **Arch Dermatol** 111(8):1073–4, Aug 75

Corticosteroid–induced cutaneous atrophy and telangiectasia. Experimental production associated with weight loss in rats. Smith JG Jr, et al. **Arch Dermatol** 112(8):1115–7, Aug 76

The measurement of corticosteroid induced dermal atrophy by a radiological method. Marks R, et al. **Arch Dermatol Res** 253(2):93–6, 12 Sep 75

'Pseudomorphoea': a side effect of subcutaneous corticosteroid injection. Holt PJ, et al. **Br J Dermatol** 92(6):689–91, Jun 75

Proceedings: Measurement of dermal atrophy induced by topical steroids using a radiographic technique. James MP, et al. **Br J Dermatol** 95 Suppl 24:12, Jul 76

Skin necrosis following warfarin therapy. Kirby JD, et al. **Br J Dermatol** 94(1):97–9, Jan 76

Atrophy of the skin. The clinical problems. Sneddon IB. **Br J Dermatol** 94 suppl 12:121–3, Mar 76

Proceedings: The pro–inflammatory activity of E–, A–, D– and F–type prostaglandins and analogues 16, 16–dimethyl–PGE2 and (15S)–15–methyl–PGE2 in rabbit skin; the relationship between potentiation of plasma exudation and local blood flow changes. Williams TJ, et al. **Br J Pharmacol** 56(3):341P–342P, Mar 76

Letter: Oculocutaneous reactions in beta–blocking drugs. **Br Med J** 4(5997):648, 13 Dec 75

90 day dermal toxicity of DDVP in male rats. Dikshith TS, et al. **Bull Environ Contam Toxicol** 15(5):574–80, May 76

The development of dermal lesions and alopecia in male rats fed rapeseed oil. Hulan HW, et al. **Can J Physiol Pharmacol** 54(1):1–6, Feb 76

Cutaneous gangrene: a rare complication of coumarin therapy. Shnider M, et al. **Can J Surg** 19(1):64–5,68, Jan 76

Skin disorders caused by herbicides sodium chlorate and sodium 2,2–dichloropropionate. Matsushita T, et al. **Kumamoto Med J** 28(4):164–9, 31 Dec 75

Complications of treatment with clofazimine (Lamprene: B663). Jopling WH. **Lepr Rev** 47(1):1–3, Mar 76

Localized necrosis of scalp in neonates due to calcium gluconate infusions: A cautionary note. Weiss Y, et al. **Pediatrics** 56(6):1084–6, Dec 75

Cutaneous complications of cancer chemotherapy. Dreizen S, et al. **Postgrad Med** 58(6):150–8, Nov 75

Anticoagulant–induced necrosis of skin and subcutaneous tissues: report of two cases and review of the English literature. Renick AM Jr. **South Med J** 69(6):775–8, 804, Jun 76 (52 ref.)

[Letter: Why suffer for beauty?] Brodthagen H. **Ugeskr Laeger** 138(18):1099, 26 Apr 76 **(Dan)**

[Skin and ocular lesions following long–term treatment with practolol (Eraldin)] Mikkelsen HI, et al. **Ugeskr Laeger** 137(38):2188–91, 15 Sep 75 (Eng. Abstr.) **(Dan)**

[Smallpox vaccination and its cutaneous complications] Geiser JD. **Rev Med Suisse Romande** 95(11):831–8, Nov 75 **(Fre)**

[Granulomas of axillae (zirconium?) (author's transl)] Kleinhans D, et al. **Dermatologica** 152(3):161–7, 1976 (Eng. Abstr.) **(Ger)**

[Effects and side–effects of locally administered corticosteroids] Rodermund OE. **Fortschr Med** 93(32):1600–6, 13 Nov 75 **(Ger)**

[The necrosis of scalp caused by the treatment of hair—a possible explanation] Ippen H, et al. **Hautarzt** 26(11):598, Nov 75 **(Ger)**

[Letter: Skin reactions due to practolol] Marghescu S. **Hautarzt** 26(12):663, Dec 75 **(Ger)**

[Extended cutaneous necroses after self–medication of abrasion wounds with Pectocor–ointment] Sawatzki T, et al. **Z Aerztl Fortbild (Jena)** 69(23):1219–21, 1 Dec 75 **(Ger)**

[Crust due to ointments in infants] Jänner M, et al. **Z Hautkr** 50(23):951–4, 1 Dec 75 **(Ger)**

[Use of hypertonic solutions through umbilical cord vessels] Mücke J, et al. **Zentralbl Gynaekol** 98(1):34–8, 1976 (Eng. Abstr.) **(Ger)**

[Skin reactions in response to ampicillin treatment in children with infectious mononucleosis] Jankowska H. **Pediatr Pol** 50(11):1357–60, Nov 75 (Eng. Abstr.) **(Pol)**

[Results of prevention of occupational skin diseases at a chemical–pharmaceutical plant] Linetskiĭ GS, et al. **Vestn Dermatol Venerol** (1):73–5, Jan 74 (Eng. Abstr.) **(Rus)**

[Iatrogenic incidence in the practice of dermatology] Macarró Yoldi MM. **Actas Dermosifiliogr** 66(9–10):489–92, Sep–Oct 75 **(Spa)**

CLASSIFICATION

Pigmentary changes in skin diseases. Hicks JH. **J Fla Med Assoc** 63(1):60–1, Jan 76

[Attempt at classification of paraneoplastic dermatoses from a pathogenetic viewpoint] Salamon T. **Dermatol Wochenschr** 161(9):710–6, Sep 75 **(Ger)**

[Classification of dermatoses of the external ear] Ol'khovskiĭ AM. **Vestn Otorinolaringol** (2):52–3, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Sigmoidovesicocutaneous fistula complicating diverticular disease of the colon. Parsa F, et al. **Am J Surg** 132(1):105–7, Jul 76

Sarcoidosis of the upper respiratory tract and its relation to lupus pernio. Neville E, et al. **Ann NY Acad Sci** 278:416–26, 1976

The importance of permanent psychiatric consulting in the dermatological clinic. Van Moffaert M. **Arch Belg Dermatol** 30(4):215–20, Oct–Dec 74

Ulcerative colitis and the skin. Basler RS, et al. **Arch Dermatol** 112(4):531–4, Apr 76

Letter: Cutaneous sarcoidosis and ocular histoplasmosis. Callaway JL, et al. **Arch Dermatol** 112(4):561–2, Apr 76

Cardiopulmonary complications in multicentric reticulohistiocytosis. Report of a case. Fast A. **Arch Dermatol** 112(8):1139–41, Aug 76

Letter: Lichen sclerous et atrophicus associated with Turner syndrome. Koupaie J. **Arch Dermatol** 112(8):1174, Aug 76

Multifocal fibrosis involving the thyroid, face, and orbits. Amorosa LF, et al. **Arch Intern Med** 136(2):221–3, Feb 76

Derman necrosis due to thrombosis in severe secondary hyperparathyroidism. Huertas VE, et al. **Arch Intern Med** 136(6):712–6, Jun 76

Stiff skin syndrome. Bundy SE, et al. **Birth Defects** 11(2):360–1, 1975

Proceedings: The syndrome of aplasia cutis congenita with terminal transverse defects of limbs. Scribanu N, et al. **Birth Defects** 12(5):332–3, 1976

Plane xanthomata associated with multiple myeloma and hyperlipoproteinaemia. Marien KJ, et al. **Br J Dermatol** 93(4):407–15, Oct 75

Coeliac disease with primary cutaneous amyloidosis. Presbury DG, et al. **Br J Dermatol** 92(1):109–12, Jan 75

Hodgkin's disease in a patient with follicular and dermal mucinosis and spontaneous ooze of mucin (mucinorrhoea). Stankler L, et al. **Br J Dermatol** 93(5):581–6, Nov 75

Letter: Fatal mucocutaneous lymph node syndrome--in Canada? Wentworth P, et al. **Can Med Assoc J** 115(4):299, 301, 305, 21 Aug 76

Norwegian scabies in a patient with a cutaneous vasculitis. Hay RJ. **Guys Hosp Rep** 123(2):177–85, 1974

Alpha-1-antitrypsin deficiency of the Pi00 type and connective tissue defect. pp. 97–107. Schandevyl W, et al.
In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975.

Malignant atrophic papulosis (Degos' disease). Black MM. **Int J Dermatol** 15(6):405–11, Jul–Aug 76

Skin and diabetes. III. Incidence of diabetes in a group of patients with skin disorders caused by venous and/or lymphatic diseases of the leg. Lisi P, et al. **Ital Gen Rev Dermatol** 11(3):215–20, Sep–Dec 74

The cutis verticis gyrata and mental retardation syndrome: electroencephalographic analysis of nineteen cases. Seppäläinen AM, et al. **J Ment Defic Res** 18(4):277–83, Dec 74

The skin and the eye. Taylor FR. **Med J Aust** 2(11):430–1, 13 Sep 75

Dental anomalies in the Rothmund–Thomson syndrome. Report of a case. Bottomley WK, et al. **Oral Surg** 41(3):321–6, Mar 76

Poikiloderma atrophicans vasculare as a pointer to reticulosis of the skin. Chapman RS, et al. **Postgrad Med J** 51(597):463–7, Jul 75

Polymeric IgA myeloma, hyperlipidaemia and xanthomatosis: a further case and review. Roberts-Thomson PJ, et al. **Postgrad Med J** 51(591):44–51, Jan 75 (39 ref.)

[Bacterial shock due to amaerobic infection in acute gangrenous necrotic perineal phlegmon (author's transl)] Spunda J, et al. **Cas Lek Cesk** 114(41):1264–7, 10 Oct 75 (Eng. Abstr.) **(Cze)**

[Coincidence or syndrome? Unusual association in the same patient: chronic torpid uveitis with pigmentary pseudo-retinopathy, cutaneous elastoidosis and rheumatismal periarthritis] Heinrich MR. **Bull Soc Ophtalmol Fr** 75(4):479–85, Apr 75 **(Fre)**

[Rothmund's syndrome. A propos of a case] Ourgaud A, et al. **Bull Soc Ophtalmol Fr** 75(5–6):721–6, May–Jun 75 **(Fre)**

[Eye manifestations during Arndt-Gottron disease (papullous mucinosis)] Vignat MJ, et al. **Bull Soc Ophtalmol Fr** 74(4):389–93, Apr 74 **(Fre)**

[Focal dermal hypoplasia, osteopathia striata and nanism] Rochiccioli P, et al. **Pediatrie** 30(3):271–80, Apr–May 75 **(Fre)**

[Epidemiology of S. aureus cross-infections in dermatological wards] Barrière H, et al. **Rev Epidemiol Sante Publique** 24(2):151–64, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Cutaneous elastopathy and vascular anomalies associated with neurological disorders. Apropos of 2 cases] Messimy R, et al. **Rev Neurol (Paris)** 131(6):419–31, Jun 75 (Eng. Abstr.) **(Fre)**

[Malignant degeneration of fistulas in chronic osteomyelitis (author's transl)] Dränert K, et al. **Arch Orthop Unfallchir** 84(2):199–210, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Poikiloderma of mucous membrane (Pillat 1949)] Reich H. **Ber Dtsch Ophthalmol Ges** (73):691–2, 1975 **(Ger)**

[Lymphatic fistula as a cause of therapy resistant ulcus cruris] Witek R. **Dermatol Monatsschr** 161(3):215–6, Mar 75 **(Ger)**

[The problem of functional disorders of the small intestine in urticaria-like diseases and other dermatoses] Heise H, et al. **Dermatol Wochenschr** 161(9):729–34, Sep 75 **(Ger)**

[Indications and contraindications for the interruption in dermatologic diseases (author's transl)] Sönnichsen N. **Ther Umsch** 31(5):301–6, May 74 (Eng. Abstr.) **(Ger)**

[Vasculitis nodularis with participation of inner organs] Mühlberg H, et al. **Z Gesamte Inn Med** 30(6):260–4, 15 Mar 75 (Eng. Abstr.) **(Ger)**

[Mouth opening limitations due to soft tissue lesions] Righi E. **Minerva Stomatol** 24(4):199–216, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Scleroderma-like skin and muscle changes in children with phenylketonuria] Stachów A, et al. **Pediatr Pol** 50(12):1441–6, Dec 75 (Eng. Abstr.) **(Pol)**

CONGENITAL

Poikiloderma congenitale–an early case of rothmund–thomson's syndrome. Kristensen JK. **Acta Derm Venereol (Stockh)** 55(4):316–8, 1975

Congenital and genetic skin disorders with tumor formation. Reed WB, et al. **Birth Defects** 10(4):265–84, 1974 (287 ref.)

Dyskeratosis congenita. Wang SR, et al. **Dermatologica** 150(5):305–10, 1975

Focal dermal hypoplasia. Welsh O. **Mod Probl Paediatr** 17:35–43, 1975

An unusual congenital dermal sinus of the buttock. Case report. Rigg BM, et al. **Plast Reconstr Surg** 56(5):581–3, Nov 75

Focal dermal hypoplasia goltz's syndrome. Marsden RA. **Proc R Soc Med** 69(5):381–2, May 76

Focal dermal hypoplasia. Staughton RC. **Proc R Soc Med** 69(3):232–3, Mar 76

Focal dermal hypoplasia (Goltz syndrome) in a male. A case report. Feinberg A, et al. **S Afr Med J** 50(14):554–5, 27 Mar 76

[Acrogeria. Clinical, histopathologic and ultrastructural study] Laurent R, et al. **Ann Anat Pathol (Paris)** 20(1):43–56, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Goltz syndrome. Focal dermal hypoplasia with polyoysplasia] Sierra JO. **Med Cutan Iber Lat Am** 3(2):133–8, 1975 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Poikiloderma congenitale–an early case of rothmund–thomson's syndrome. Kristensen JK. **Acta Derm Venereol (Stockh)** 55(4):316–8, 1975

Perspective. Erythema multiforme–1976. Baer RL. **Am J Med Sci** 271(1):119–20, Jan–Feb 76

Differential diagnosis of pachydermoperiostosis. Verhoeve L, et al. **Arch Belg Dermatol** 30(4):209–13, Oct–Dec 74

Letter: Kaposi sarcoma-like granuloma and posterosive syphiloid. Jackson R. **Arch Dermatol** 111(8):1071–2, Aug 75

Malignant atrophic papulosis (Degros disease). A report of two cases with clinical and histological studies. Muller SA, et al. **Arch Dermatol** 112(3):357–63, Mar 76

Scleromyxedema. Wright RC, et al. **Arch Dermatol** 112(1):63–6, Jan 76

Transient acantholytic dermatosis. Bentley-Phillips CB, et al. **Br J Dermatol** 95 Suppl 24:25–6, Jul 76

Acnitis. Peiris S, et al. **Br J Dermatol** 95 Suppl 24:58–9, Jul 76

Sarcoidosis. Vollum DI. **Br J Dermatol** 95 Suppl 24:56–7, Jul 76

Looking at the skin. **Br Med J** 4(5990):189–90, 25 Oct 75

First lesion sites in leprosy. Ellis BP, et al. **Cent Afr J Med** 22(5):96–7, May 76

Proliferation of 'pseudo' dermatoses: progress or regression? Pinkus H. **Int J Dermatol** 15(5):326–36, Jun 76

Biopsy: why, where, when, how. Ackerman AB. **J Dermatol Surg** 1(1):21–3, Apr 75

An approach to perplexing dermatologic disorders. Brodin MB. **J Fla Med Assoc** 63(1):24–6, Jan 76

The keratin in dermatological diagnoses. Carter VH. **J Fla Med Assoc** 63(1):32–4, Jan 76

Skin problems of infants. Kahn G. **J Fla Med Assoc** 63(1):45–7, Jan 76

Diagnostic procedures in immunodermatology. Cormane RH, et al. **J Invest Dermatol** 67(1):129–35, Jul 76 (32 ref.)

Visualization of nonvascular cranial tumor in cerebral flow study: case report. Ryo UY, et al. **J Nucl Med** 16(6):462–4, Jun 75

The diagnosis of difficult dermatologic disorders. Brodin MB. **Med Times** 104(9):140–7, Sep 76

A fixation artifact simulating acantholytic disease. Weir JC, et al. **Oral Surg** 41(1):105–8, Jan 76

Atrophie blanche examined with thermography. Miura T, et al. **Tohoku J Exp Med** 119(2):165–9, Jun 76

[Porphyria cutanea tarda as Kobner's phenomenon of psoriasis] Kastl J, et al. **Cesk Dermatol** 50(5):317–9, Oct 75 (Eng. Abstr.) **(Cze)**

[2 unusual cases of artefacts in dermatology] Pejchalová M. **Cesk Dermatol** 50(4):255–60, Aug 75 (Eng. Abstr.) **(Cze)**

[Dynamic telethermography in dermatology] Amalric R, et al. **Ann Dermatol Syphiligr (Paris)** 102(2):157–64, 1975 (Eng. Abstr.) **(Fre)**

[Letter: Bacterial endocarditis revealed by rhizomelic pseudopolyarthritis] Gretillat F, et al. **Nouv Presse Med** 5(24):1534, 12 Jun 76 **(Fre)**

[The value of electron microscopy for diagnosis in practical dermatology (author's transl)] Frenk E. **Ther Umsch** 31(5):329–33, May 74 (Eng. Abstr.) **(Fre)**

[Experience with FITC-labeled antihuman IgG 'Weissensee' in dermatological diagnostics] Barth J, et al. **Allerg Immunol (Leipz)** 20–21(3):287–95, 1974–75 (Eng. Abstr.) **(Ger)**

[Serum IGE determination in various dermatoses with special reference to endogenous eczema] Raith L, et al. **Dermatol Monatsschr** 161(4):264–7, Apr 75 (Eng. Abstr.) **(Ger)**

[Bases and diagnostic importance of electromyography in dermatology] Reichel G, et al. **Dermatol Monatsschr** 161(2):81–8, Feb 75 (Eng. Abstr.) **(Ger)**

[Measurement of skin temperature with the resistance thermometer, Thermophil] Wozniak KD, et al. **Dermatol Monatsschr** 162(7):577–84, Jul 76 (Eng. Abstr.) **(Ger)**

[Acute febrile neutrophilic dermatosis Sweet's syndrome] Hofmann C, et al. **Dtsch Med Wochenschr** 101(30):1113–8, 23 Jul 76 (Eng. Abstr.) **(Ger)**

[The Goltz-Gorlin syndrome. Review and case reports] Braun-Falco O, et al. **Hautarzt** 26(8):393–400, Aug 75 (Eng. Abstr.) **(Ger)**

[Nodular cutaneous amyloidosis. Clinical, histopathological and ultrastructural findings] Goerttler E, et al. **Hautarzt** 27(1):16–25, Jan 76 (Eng. Abstr.) **(Ger)**

[Letter: Suitability of immunofluorescence technics for the diagnosis of bullous eruptions, lupus erythematosus, and certain other dermatoses] Holubar K, et al. **Hautarzt** 27(1):30–9, Jan 76 **(Ger)**

[The lymphocyte transformation test in dermatology] Zinn K, et al. **Hautarzt** 27(3):101–5, Mar 76 (Eng. Abstr.) **(Ger)**

[The importance of histopathologic examination in diagnosis of skin diseases (author's transl)] Böhm W, et al. **Ther Umsch** 31(5):325–8, May 74 (Eng. Abstr.) **(Ger)**

[Red noses (author's transl)] Laugier P. **Ther Umsch** 31(5):294–300, May 74 (Eng. Abstr.) **(Ger)**

[Possibilities of using the immunofluorescence technic in dermatology] Knopf B, et al. **Z Aerztl Fortbild (Jena)** 70(3):112–6, 1 Feb 76 **(Ger)**

[Subcutaneous nodular sarcoidosis (sarcoid Darier-Roussy)] Schirmer D. **Z Hautkr** 50(19):837–8, 1 Oct 75 **(Ger)**

[Alteration in skin severity grading of Yusho in the general examination in 1973 and 1974, and presentation of a new standard for the skin severity of Yusho by point count system (author's transl)] Asahi M, et al. **Fukuoka Acta Med** 66(10):629–34, Oct 75 (Eng. Abstr.) **(Jpn)**

[A peculiar acantholytic dermatosis (author's transl)] Saito R, et al. **Jpn J Dermatol** [A] 85(7):405–11, Jun 75 **(Jpn)**

[Use of immunopathological studies in dermatology. Immunofluorescence in the diagnosis of bullous diseases, lupus erythematosus and some other diseases] Jabłońska S, et al. **Przegl Dermatol** 63(3):267–86, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Reticulohistiocytosis orthoplastica linearis chronica] Kubicz J. **Przegl Dermatol** 63(3):345–8, May–Jun 76 (Eng. Abstr.) **(Pol)**

[A peculiar 'surgical case'] Brucăr M. **Rev Chir [Chir]** 25(1):65–73, Jan–Feb 76 **(Rum)**

[Lipogranulomatosis of the skin] Kovsh OIa, et al. **Klin Med (Mosk)** 53(6):126–9, Jun 75 **(Rus)**

[New aspects of the clinical course of dermatoses localized in the mouth mucosa and the lips] Pashkov BM, et al. **Vestn Dermatol Venerol** (1):24–8, Jan 74 (Eng. Abstr.) **(Rus)**

[Acute febrile neutrophilic dermatosis] Shinskiĭ GE, et al. **Vestn Dermatol Venerol** (1):76–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Arteriovenous malformations of the epicranium manifested as dysraphic swelling of the cranium] Mirčevski M, et al. **Med Pregl** 28(11–12):517–20, 1975 (Eng. Abstr.) **(Ser)**

[Degos' malignant atrophic papulosis (observation of a case in an infant)] González JA, et al. **Actas Dermosifiliogr** 66(5–6):317–9, May–Jun 75 **(Spa)**

[Summer lichenoid papulosis] Piñol Aguadé J, et al. **Med Cutan Iber Lat Am** 3(3):193–8, 1975 (Eng. Abstr.) **(Spa)**

[Superficial elastic nevus of the face. Its possible identification with 'Elastome en nappe' of Dégos] Sánchez Yus E, et al. **Méd Cutan Iber Lat Am** 3(3):227–31, 1975 **(Spa)**

DRUG THERAPY

Vitamin A acid in the topic treatment of warts. De Bersaques J. **Acta Derm Venereol [Suppl] (Stockh)** 74:169–70, 27–29 Jan 75

Vitamin A acid in acneiform dermatoses. Plewig G, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:119–27, 27–29 Jan 75

Oral vitamin A acid therapy. Stüttgen G. **Acta Derm Venereol [Suppl] (Stockh)** 74:174–9, 27–29 Jan 75

Administration of interferon to an infant with congenital rubella syndrome involving persistent viremia and cutaneous vasculitis. Larsson A, et al. **Acta Paediatr Scand** 65(1):105–10, Jan 76

Dapsone–induced motor polyneuropathy. A complication of prolonged treatment of subcorneal pustular dermatosis. Fredericks EJ, et al. **Arch Dermatol** 112(8):1158–60, Aug 76

Lich myxedematosus. A dermal infiltrative disorder responsive to cyclophosphamide therapy. Howsden SM, et al. **Arch Dermatol** 111(10):1325–30, Oct 75

Letter: On the treatment of panniculitis with tetracycline. Leong CH. **Arch Dermatol** 112(8):1176, Aug 76

Percutaneous absorption, vehicles and dermatological prescribing. Kidd K. **Australas J Dermatol** 16(2):60–78, Aug 75 (94 ref.)

Clinical comparison of halcinonide and betamethasone valerate in common dermatoses. Turnbull BC. **Australas J Dermatol** 16(1):17–9, Apr 75

Hazards of steroid therapy in hepatic failure. Cunliffe WJ, et al. **Br J Dermatol** 93(2):183–5, Aug 75

Indications for systemic steroids in dermatology. Lyell A. **Br J Dermatol** 94 suppl 12:131–3, Mar 76

The place of intralesional steroid therapy in dermatology. Verbov J. **Br J Dermatol** 94 suppl 12:51–8, Mar 76

Effect of fibrinolytic treatment in malignant atrophic papulosis. Delaney TJ, et al. **Br Med J** 3(5980):415, 16 Aug 75

Letter: Steroids and common skin diseases. Haeger K. **Br Med J** 1(6002):155, 17 Jan 76

Letter: Steroids and common skin diseases. Selwyn S, et al. **Br Med J** 1(6006):399, 14 Feb 76

Letter: Dermatological treatment for A.–V. fistulas of hemodialysis patients. Wauters JP, et al. **Clin Nephrol** 5(3):141, Mar 76

Dermatopharmacology of salicylić acid. I. Range of dermatotherapeutic effects of salicylic acid. Weirich EG. **Dermatologica** 151(5):268–73, 1975

Clofazimine in dermatology. Mackey JP. **Int J Dermatol** 15(2):140–1, Mar 76

Thyroid–adrenocortical relationships in the safe treatment of arthritis, allergy, and skin disorders with prednisone. Barnes BO. **J Am Geriatr Soc** 23(12):548–50, Dec 75

Non–steroid skin cream in traumatic dermatoses: A clinical open evaluation. Johnson A. **Med J Aust** 1(5):111–3, 31 Jan 76

Newer treatment in dermatology. Rees RB. **South Med J** 68(11):1395–1400, Nov 75 (0 ref.)

[Iatrogenic diseases in dermatology] Achten G. **Brux Med** 55(12):623–8, Dec 75 **(Fre)**

[Use of Cortrosyn Depot in dermatology] Aussems J. **Brux Med** 56(1):15–20, Jan 76 **(Fre)**

[Corticotherapy and mucocutaneous pathology] Kuffer R. **Rev Stomatol Chir Maxillofac** 76(5):405–16, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Comparative study of 2 dermo–corticoids] Civatte J, et al. **Sem Hop Ther** 52(4):227–8, Apr 76 **(Fre)**

[The role of prostaglandins in the skin] Korossy S, et al. **Dermatol Monatsschr** 161(3):177–86, Mar 75 (Eng. Abstr.) **(Ger)**

[Letter: Levamisole in the therapy of skin diseases] Ippen H, et al. **Dtsch Med Wochenschr** 100(34):1710–1, 22 Aug 75 **(Ger)**

[Letter: pH of skin and external dermatotherapy] Tronnier H. **Hautarzt** 26(9):503, Sep 75 **(Ger)**

[The indication area of triamcinolone acetonide 40 mg in dermatologic practice. Report of 12000 cases] Bleckmann FG. **Med Welt** 27(31):1473–4, 30 Jul 76 **(Ger)**

[Statistical evaluation of the therapeutic effect of oil bath] Schoderer K, et al. **Med Welt** 27(35):1638–42, 27 Aug 76 **(Ger)**

[Clinico–pharmacological study of a skin gel] Tronnier H. **Med Welt** 26(33–34):1463–5, 22 Aug 75 **(Ger)**

[Indications for alternate–day immunosuppressive therapy in dermatology] Barthelmes H, et al. **Przegl Dermatol** 62(4):523–30, Jul–Aug 75 (Eng. Abstr.) **(Ger)**

[Treatment with hyaluronidase in dermatology] Wozniak KD, et al. **Z Aerztl Fortbild (Jena)** 69(21):1109–10, 1 Nov 75 **(Ger)**

[Kamillosan therapy in dermatology] Nasemann T. **Z Allgemeinmed** 51(25):1105–6, 10 Sep 75 **(Ger)**

[Statistical evaluation of Diproderm trials on 2700 patients by dermatologists and general practicians—comprehensive assessment] Konrad K. **Z Hautkr** 51(12):481–8, 15 JUN 76 **(Ger)**

[Phytotherapy of skin diseases] Rudolph C. **ZFA (Stuttgart)** 52(23):1196–9, 20 Aug 75 **(Ger)**

[Clinical studies of the action of a topical corticoid (betamethasone 17–benzoate) in a lipid vehicle with and without the addition of propylene glycol] Passetti, et al. **Farmaco [Prat]** 30(7):340–6, Jul 75 (Eng. Abstr.) **(Ita)**

[Editorial: Are we using too potent steroids in the local treatment of skin diseases] Rajka G. **Tidsskr Nor Laegeforen** 95(32):1867, 20 Nov 75 **(Nor)**

[Treatment of keloids and some skin diseases with topical injections of triamcinolone] Bowszyc J. **Pol Tyg Lek** 31(26):1111–3, 28 Jun 76 (Eng. Abstr.) **(Pol)**

[Clinical studies on the therapeutical usefulness of fluocinolone acetonide T–butylacetate— a new topically active corticosteroid] Kubicz J, et al. **Przegl Dermatol** 62(4):539–43, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Clinical studies on the therapeutic usefulness of flumecort—a new corticosteroid ointment] Kubicz J, et al. **Przegl Dermatol** 62(4):545–9, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Some contemporary ointment bases and their therapeutic use] Szyszymar B, et al. **Przegl Dermatol** 62(6):809–15, Nov–Dec 75 **(Pol)**

[Synalar gel in the treatment of dermatoses] Kalamkarian AA, et al. **Sov Med** (4):152–3, Apr 75 **(Rus)**

[Prostaglandins and their effect on the skin] Mordovtsev VN, et al. **Sov Med** (6):74–7, Jun 75 **(Rus)**

[Side effects and complications in the external use of corticosteroids in dermatologic practice] Babaiants RS, et al. **Vestn Dermatol Venerol** (2):13–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Hemodesis and rheopolyglucine in the treatment of patients with some dermatoses] Fedotov VP, et al. **Vestn Dermatol Venerol** (9):58–61, Sep 75 (Eng. Abstr.) **(Rus)**

[Use of Chelidonium majus for the treatment of pruritic dermatoses] Fomin KF, et al. **Vestn Dermatol Venerol** (6):60–2, Jun 75 **(Rus)**

[Effectiveness of butadione ointment in some dermatoses] Gadzhiev RG, et al. **Vestn Dermatol Venerol** (8):75–7, Aug 75 **(Rus)**

[Use of afungil, gioxizone, butadiene and depersolone in treatment of certain dermatoses] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** (3):65–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Use of etimizol in dermatology] Shakhnes IE. **Vestn Dermatol Venerol** (6):62–5, Jun 75 (Eng. Abstr.) **(Rus)**

[Use of complamin in some dermatoses] Verbenko EV, et al. **Vestn Dermatol Venerol** (8):77–80, Aug 75 **(Rus)**

[Intra–arterial enzyme therapy of suppurative and inflammatory diseases of the limbs] Baziian RA. **Zh Eksp Klin Med** 15(3):58–63, 1975 **(Rus)**

[Our experience in the treatment with Medrol–Veriderm and Neo–Medrol–Veriderm of adults] Hofman–Broznić A. **Med Arh** 29(6):641–2, Nov–Dec 75 (Eng. Abstr.) **(Ser)**

[Our experience in the use of Medrol–Veriderm and Neo–Medrol–Veriderm in children] Hofman–Broznić A. **Med Arh** 30(1):35–7, Jan–Feb 76 (Eng. Abstr.) **(Ser)**

[Testing of a triamcinolone acetonide derivative in various dermatosis] Gasca JM, et al. **Actas Dermosifiliogr** 66(7–8):387–94, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

[Acid vitamin A in dermatology] Ocaña Sierra J. **Actas Dermosifiliogr** 67(3–4):125–50, Mar–Apr 76 **(Spa)**

[Atrophic striae] Resina O, et al. **Actas Dermosifiliogr** 66(5–6):293–304, May–Jun 75 **(Spa)**

[Trial and evaluation of the new topical corticoide cream SCH 11460 in various dermatoses] Torres V, et al. **Actas Dermosifiliogr** 67(5–6):421–30, May–Jun 76 **(Spa)**

[Utilization of oral dermotrophic vitamin therapy with LA–650 in skin, mucous and joined conditions (author's transl)] González MG. **Folia Clin Int (Barc)** 25(7–8):431–4, Jul–Aug 75 **(Spa)**

[Contralateral comparison between diflucortolone valeriante and flumethasone pivalate in ointments. Double–blind study] Macotela Ruiz E, et al. **Prensa Med Mex** 41(3–4):128–32, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Comparative clinical trials of 2 topical cortcoids] Martínez–Fresneda CG. **Rev Clin Esp** 137(6):557–63, 30 Jun 75 (Eng. Abstr.) **(Spa)**

[Vitamin A acid (tretinoin), a new dermatologic agent] Turgut K. **Turk Tip Dern Derg** 40(1):67–71, 1974 (Eng. Abstr.) **(Tur)**

EMBRYOLOGY

The reactivity of tegumentary ectodermal epithelium in 3– and 4–day incubation chick embryos. Sandor S, et al. **Morphol Embryol (Bucur)** 21(4):269–71, 1975

ENZYMOLOGY

The tyrosinases of normal and diseased human skin (naevi, malignant melanoma, vitiligo). Voulot C, et al. **Arch Dermatol Res** 254(2):205–14, 10 Dec 75

Collagenolytic activity of carrageenin granuloma in rats. Nakagawa H, et al. **Biochim Biophys Acta** 411(2):316–24, 5 Dec 75

[Enzyme–histochemical and Feulgen–cytophotometric studies on cells of the cutaneous connective tissue in inflammations and tumor growth] Kleinhans D. **Z Hautkr** suppl 1:1–48, 1975 **(Ger)**

ETIOLOGY

Acanthoma fissuratum—spectacle frame acanthoma. MacDonald DM, et al. **Acta Derm Venereol (Stockh)** 55(6):485–8, 1975

Skin lesions of the legs and feet and skeletal lesions of the feet in familail amyloidosis with polyneuropathy. Lithner F. **Acta Med Scand** 199(3):197–202, 1976

Cutaneous clues to cancer. Stone SP. **Am Fam Physician** 12(4):82–8, Oct 75

Peritoneal–cutaneous fistula secondary to a perforated Dalkon shield. Slaughter L, et al. **Am J Obstet Gynecol** 124(2):206–7, 15 Jan 76

Perforated viscus presenting with gas in the soft tissues (subcutaneous emphysema). Fiss TW, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):226–33, Sep 75

Case history number 86: an unusual complication of lumbar puncture: a CSF cutaneous fistula. Ball CG, et al. **Anesth Analg (Cleve)** 54(5):691–4, Sep–Oct 75

Mycobacterium kansasii infection with dermatologic manifestations. Hirsh FS, et al. **Arch Dermatol** 112(5):706–8, May 76

Cutaneous protothecosis in a patient receiving immunosuppressive therapy. Wolfe ID, et al. **Arch Dermatol** 112(6):829–32, Jun 76

Persistent cutaneous fistula in the neck. Beck C, et al. **Arch Otorhinolaryngol (NY)** 211(3):209–12, 15 Jul 75

Leucosis and skin: acute lymphoid immunoblastic leukaemia. Bernengo MG, et al. **Br J Dermatol** 95(1):45–9, Jul 76

Cutaneous ectopic schistosomiasis. MacDonald DM, et al. **Br J Dermatol** 95 Suppl 24:57–8, Jul 76

Emotions and skin (II)–the conditioning of scratch responses in cases of lichen simplex. Roberston IM, et al. **Br J Dermatol** 92(4):407–12, Apr 75

Lichen scrofulosorum. A report of four cases. Smith NP, et al. **Br J Dermatol** 94(3):319–25, Mar 76

Skin loss in meningococcal septicaemia: a report of three cases. Gaze NR, et al. **Br J Plast Surg** 29(3):257–61, Jul 76

Emotional factors in skin disease. Russell BF. **Br J Psychiatry** Spec No 9:447–52, 1975 (44 ref.)

Editorial: Swimming pool rash. **Br Med J** 2(6031):344, 7 Aug 76

Dermatological aspects of anorectal disease. Alexander S. **Clin Gastroenterol** 4(3):651–7, Sep 75

The diffuse and macular atrophic dermatosis. A premature and progressive light degenerative condition. Stevanović DV. **Dermatol Monatsschr** 161(10):831–4, Oct 75

A case of acute promyelocytic leukaemia with bullous, haemorrhagic and necrotic skin lesions. Bernengo MG, et al. **Dermatologica** 151(3):184–90, 1975

Less common skin markers of visceral neoplasms. Perry HO. **Int J Dermatol** 15(1):19–25, Jan–Feb 76 (23 ref.)

Subcondylar impaction of a third molar with a dentigerous cyst resulting in a chronic cutaneous sinus: report of case. Javid B. **J Am Dent Assoc** 92(1):130–2, Jan 76

Colocutaneous fistula: an unusual complication of retroperitoneal lymphadenectomy. Crosse JE, et al. **J Urol** 115(5):614–5, May 76

Letter: Zinc deficiency and intravenous feeding. Kay RG, et al. **Lancet** 2(7935):605–6, 27 Sep 75

Hunter's disease with atypical cutaneous manifestations. Mascaro JM, et al. **Med Probl Paediatr** 17:25–6, 1975

Letter: Skin tags in diabetes mellitus. **N Engl J Med** 295(3):172–3, 15 Jul 76

Letter: Zinc deficiency and skin lesions. Tasman–Jones C, et al. **N Engl J Med** 293(16):830, 16 Oct 75

Psychosomatic aspects of skin disease. Bhanji S. **Nurs Times** 72(5):180–1, 5 Feb 76

Sarcoidosis presenting with multiple tattoo granulomata. Iveson JM, et al. **Postgrad Med J** 51(599):670–2, Sep 75

Diet and dermatosis. Ringsdorf WM Jr, et al. **South Med J** 69(6):732, 734, Jun 76

Skin necrosis secondary to ventricular shunting. Grode ML, et al. **Surg Neurol** 4(4):380–2, Oct 75

Dermatology, climate and evolution. Findlay GH. **Trans St Johns Hosp Dermatol Soc** 60(1):24–39, 1974

[Skin and the nervous system from the standpoint of clinical neurology] Dogan S. **Neuropsihijatrija** 22(1–4):3–8, 1974 (Eng. Abstr.) **(Cro)**

[Noduli piezogenes pedum (pressure–induced nodules of the feet) (author's transl)] Jorda V, et al. **Cesk Dermatol** 51(3):157–61, Jun 76 (Eng. Abstr.) **(Cze)**

[Cutaneous fistulas of dental origin] Rintala A, et al. **Duodecim** 91(10):665–70, 1975 **(Fin)**

[Paraneoplastic syndrome caused by a bronchial epithelioma] Duperrat B, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):397–9, 1974 **(Fre)**

[Migrating cutaneous erythema with superficial epidermal necrosis in the course of chronic pancreatitis] Thivolet J, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):415–7, 1974 **(Fre)**

[Subcutanaeous and anal amyloid tumors associated with oligoarthritis, revealing a myeloma. Report and discussion of a case] Auquier L, et al. **Ann Med Interne (Paris)** 126(4):291–4, Apr 75 **(Fre)**

[Internal malignant tumors and cutaneous symptoms] De Bersaques J, et al. **Arch Belg Dermatol** 30(3):117–58, Jul–Sep 74 (351 ref.) **(Fre)**

[Letter: Atrophie blanche] Fischer H. **Dtsch Med Wochenschr** 101(24):941, 11 Jun 76 **(Ger)**

[Occupationally and therapeutically induced injuries through laser beams. Histological and cytophotometric studies] Ehlers G. **Hefte Unfallheilkd** (121):509–13, 1975 **(Ger)**

[Unusual manifestations of skin diseases in females subjected to periodic hemodialysis] Scimone D, et al. **Minerva Nefrol** 19(4):258–60, Jul–Aug 72 **(Ita)**

[Skin diseases and their relationship to systemic conditions. 11. Pustulosis] Hatano H. **Jpn J Clin Med** 33(11):3262–70, 10 Nov 75 (39 ref.) **(Jpn)**

[Systemic conditions responsible for dermatological symptoms. 7. Sclerosis] Sotomastu S. **Jpn J Clin Med** 33(7):2373–9, 10 Jul 75 **(Jpn)**

Systemic conditions responsible for dermatological symptoms. Atrophy] Sotomatsu S. **Jpn J Clin Med** 33(8):2639–45, 10 Aug 75 **(Jpn)**

[Dermatological symptoms in systemic diseases. 6. Purpura and necrosis] Takeda K, et al. **Jpn J Clin Med** 33(6):2165–79, Jun 75 **(Jpn)**

[Case of dermacalcinosis in a 4–month–old infant] Rowecka–Trzebicka K, et al. **Pediatr Pol** 51(6):729–33, Jun

76 **(Pol)**

[Penile skin defect as a postoperative complications following surgery for phimosis by the Schlöffer method] Chęciński J, et al. **Pol Przegl Chir** 48(2 A):327–8, Feb 76 (Eng. Abstr.) **(Pol)**

[Case of pemphigus erythematosus following burns] Szymczykowa B, et al. **Przegl Dermatol** 62(4):591–5, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Skin changes in visceral cancer] Mashkilleĭson AL, et al. **Klin Med (Mosk)** 53(6):42–4, Jun 75 **(Rus)**

[Role of disorders of intermediate metabolism in the pathogenesis of certain dermatoses in children] Skripkin IuK, et al. **Vestn Dermatol Venerol** (10):13–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Skin diseases in agricultural workers and cattle breeders] Tsyrkunov LP. **Vestn Dermatol Venerol** (7):58–61, Jul 75 (Eng. Abstr.) **(Rus)**

[Nobecourt syndrome with retinopathy, microangiography, neuropathy and dermatopathy in an 11-year-old girl] Jokanović R, et al. **Srp Arh Celok Lek** 103(6):565–71, Jun 75 (Eng. Abstr.) **(Ser)**

[Paralymphomatous microangiopathies] Valdés EF, et al. **Rev Clin Esp** 137(6):543–7, 30 Jun 75 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Epidermodysplasia verruciformis. Prystowsky SD, et al. **Am J Dis Child** 130(4):437–40, Apr 76

Molecular mechanisms of genetic disorders of keratinization. Goldsmith LA. **Arch Dermatol** 112(3):375–8, Mar 76

Congenital and genetic skin disorders with tumour formation. Reed WB. **Australas J Dermatol** 16(3):95–108, Dec 75

Cowden disease. Report of two additional cases. Burnett JW, et al. **Br J Dermatol** 93(3):329–36, Sep 75

Genetics and dermatology. Schnyder UW. **Dermatologica** 150(3):129–35, 1975

Marchesani syndrome. Nabai H, et al. **J Cutan Pathol** 1(4):186–8, 1974

Inherited disorders of the skin and skin diseases due to a hereditary predisposition. Schnyder UW. **J Dermatol (Tokyo)** 1(3):65–82, Sep 74

A new look at gene determinants and their controls. Dugan CC. **J Fla Med Assoc** 63(1):29–31, Jan 76

Genetics and dermatology: a review. Wells RS. **J Invest Dermatol** 67(1):182–7, Jul 76 (11 ref.)

Polyposis, gliomas, and multisystem disease. Adams PS Jr, et al. **J Maine Med Assoc** 67(6):159–62, Jun 76

Letter: Familial localized panatrophy: an iatrogenic phenocopy secondary to injection of a corticosteroid. Krueger GG, et al. **J Pediatr** 89(4):682–3, Oct 76

Genetic counseling in pediatric dermatology. Bloom AD. **Mod Probl Paediatr** 17:1–5, 1975

Atrichia with cysts and mental retardation. Del Castillo V, et al. **Mod Probl Paediatr** 17:21–4, 1975

Osteopathia striata. A diagnostic osseous marker of focal dermal hypoplasia. Howell JB, et al. **Trans St Johns Hosp Dermatol Soc** 60(2):178–82, 1974

[Genetic skin diseases—a focal point of human genetic and vocational medical counseling of the dermatologist] pp. 183–96. Schubert H. **In: Bach H, ed. Humangenetische Beratung genetisch belasteter Personen. Jena, Friedrich-Schiller-Univ, 1975. QZ 50 H918 1974. (Ger)**

[A case of epidermodysplasia verruciformis with neoplastic degeneration and demonstration of viral particles in warts (author's transl)] Allegra F, et al. **Ateneo Parmense [Acta Biomed]** 46(6):665–78, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Lewandowski-Lutz verruciformi epidermodysplasia with cellular atypic signs in all its lesions] Grinspan D, et al. **Med Cutan Iber Lat Am** (1):5–13, 1974 (Eng. Abstr.) **(Spa)**

HISTORY

Skin disease in the Old Testament. Verbov JL. **Practitioner** 216(1292):229–36, Feb 76

IMMUNOLOGY

Anti-basement membrane antibodies in sera from patients without bullous pemphigoid. Ullman S, et al. **Acta Derm Venereol (Stockh)** 55(4):305–8, 1975

Detection of immunoglobulins in skin of bullous dermatoses with a super-sandwich technique. Holubar K. **Ann NY Acad Sci** 254:223–5, 30 Jun 75

Immunofluorescent investigations in cutaneous vasculitis. II. Histotopical demonstration of IgD and fibrin. Weidner F. **Arch Dermatol Res** 254(2):215–24, 10 Dec 75

Effect of complement and polymorphonuclear leukocyte depletion on experimental skin lesions resembling systemic lupus erythematosus. Natali PG, et al. **Arthritis Rheum** 18(6):581–6, Nov–Dec 75

Natural antibiosis among skin bacteria as a primary defence against infection. Selwyn S. **Br J Dermatol** 93(5):487–93, Nov 75

Serum immunoglobulin levels in various skin diseases. Lai A Fat RF, et al. **Clin Exp Immunol** 17(1):129–37, May 74

Serum immunoglobulin levels in various skin diseases. Lai A Fat RF, et al. **Clin Exp Immunol** 17(1):129–37, May 74

Circulating autoantibodies in skin diseases: a survey and comparison of immunofluorescence (IF) studies. Van Joost T. **Int J Dermatol** 14(6):379–96, Jul–Aug 75 (114 ref.)

Immunofluorescent studies on basement membrane zone of skin. Deng JS, et al. **J Formosan Med Assoc** 74(5):333–40, May 75

Mechanisms involved in elimination of organisms from experimental cutaneous Candida albicans infections in guinea pigs. Sohnle PG, et al. **J Immunol** 117(2):523–30, Aug 76

Production of epidermal acantholysis in normal human skin in vitro by the IgG fraction from pemphigus serum. Schiltz JR, et al. **J Invest Dermatol** 67(2):254–60, Aug 76

Application of immunological principles in dermatology. Anderson WA. **J Natl Med Assoc** 67(6):423–7, 454, Nov 75

Letter: Carcinoembryonic antigen in dermatoses. Ahmed AR, et al. **Lancet** 2(7980):309–10, 7 Aug 76

Elevated levels of immunoglobulin E in the acute febrile mucocutaneous lymph node syndrome. Kusakawa S, et al. **Pediatr Res** 10(2):108–11, Feb 76

Clinical and immunological aspects of cutaneous vasculitis. Cream JJ. **Q J Med** 45(178):255–76, Apr 76

[Histaminopexis in patients with skin diseases] Chaloupecká O, et al. **Česk Dermatol** 50(6):369–70, Dec 75 (Eng. Abstr.) **(Cze)**

[Contribution of serum IgE determination in dermatoses in infants] Lelong M, et al. **Lille Med** 21(1):71–3, Jan 76 (Eng. Abstr.) **(Fre)**

[Incidence of histocompatibility antigens (HL-A) in skin diseases] Günther W, et al. **Dermatol Monatsschr** 161(5):402–5, May 75 **(Ger)**

[Significance of immunological examination for the diagnosis and course of autoimmune disorders in dermatology] Kleinhans D. **Z Hautkr** 51(7):285–95, 1 Apr 76 **(Ger)**

[Immune response inhibiting effect of blood serum in dermatoses] Somos Z, et al. **Orv Hetil** 116(37):2184–6, 14 Sep 75 **(Hun)**

[Identification of the lymphomonocytic cells of tissue infiltrates by labeling of the specific membrane receptors with sheep erythrocytes] Gerna Torsellini M, et al. **Boll Soc Ital Biol Sper** 51(15–16):917–21, 30 Aug 75 **(Ita)**

[Lymphocyte transformation by melanin antigens in vitiligo vulgaris and malignant melanoma (author's transl)] Yamada M, et al. **Jpn J Dermatol [A]** 85(6):351–8, May 75 **(Jpn)**

[Lymphocyte population (T and B lymphocytes) in the peripheral blood of healthy controls and in various dermatoses (preliminary report)] Carapeto FJ, et al. **Actas Dermosifiliogr** 66(5–6):243–64, May–Jun 75 **(Spa)**

[Immunofluorescence and dermatology] Castells Rodellas A, et al. **Med Cutan Iber Lat Am** 2(4):316–25, 1974 **(Spa)**

[Determination of B lymphocytes: immunofluorescence and peroxidase dyes (preliminary note)] Estrach Panella T, et al. **Med Cutan Iber Lat Am** 3(5):399–402, 1975 (Eng. Abstr.) **(Spa)**

[Determination of T lymphocytes in blood circulation and cutaneous infiltrates of various dermatoses] Panella TE, et al. **Med Cutan Iber Lat Am** 2(3):213–20, 1974 (Eng. Abstr.) **(Spa)**

[In vitro cellular immunity in lymphoproliferative skin diseases. Inhibitory factor of macrophages] Umbert Millet P, et al. **Med Cutan Iber Lat Am** 3(3):241–6, 1975 (Eng. Abstr.) **(Spa)**

METABOLISM

Parallel studies on collagen hydroxyproline and hydroxylysine in human skin biopsies. Blumenkrantz N, et al. **Acta Derm Venereol (Stockh)** 56(2):93–8, 1976

Deposition of fibrinogen (FR-antigen) in skin diseases. II. Pustulosis palmaris et plantaris (with special reference to heparin-precipitable fraction). Fyrand O, et al. **Acta Derm Venereol (Stockh)** 55(6):469–74, 1975

Collagen polymorphism in experimental granulation tissue. Bailey AJ, et al. **Biochem Biophys Res Commun** 66(4):1160–5, 27 Oct 75

NH2-terminal extensions on skin collagen from sheep with a genetic defect in conversion of procollagen into collagen. Becker U, et al. **Biochemistry** 15(13):2853–62, 29 Jun 76

DNA synthesis and mitosis in uninvolved epidermis of persistent palmoplantar pustulosis. Clayton R, et al. **Br J Dermatol** 94(6):603–6, Jun 76

Bone in dermatosparaxis. II. Chemical analysis. Nusgens B, et al. **Calcif Tissue Res** 21(1):37–45, 3 Aug 76

Biochemical and physiological parameters on the healthy skin surface of patients with common warts. Gloor M, et al. **Dermatologica** 152(3):152–7, 1976

Tryptophan leads to niacin pathway in various skin diseases. Binazzi M. **Ital Gen Rev Dermatol** 11(1):47–58, Jan–Apr 74

Prostaglandins in normal and pathological skin. Sondergaard J. **J Cutan Pathol** 1(6):275–90, 1974

An unusual pattern of testosterone metabolism in tissue associated with a keratin-filled cutaneous cyst. Hay JB, et al. **J Endocrinol** 67(2):267–73, Nov 75

Characterization of a chemotactic factor (leucoegresin) for polymorphonuclear leucocytes from thermal skin site. Maeda S, et al. **Virchows Archiv [Cell Pathol]** 19(1):37–49, 29 Sep 75

[Significance of tryptamine/indoleacetic acid ratio: values obtained in various dermatologic diseases] Bousquet B, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):526–8, 1975 **(Fre)**

[DNA and skin diseases (author's transl)] Fukuyama K. **Jpn J Dermatol** 85(12):771–6, Oct 75 **(Jpn)**

[Cytophotometric estimation of nuclear DNA content in normal and pathological epidermis (author's transl)] Sasai Y. **Jpn J Dermatol** 85(12):747–56, Oct 75 **(Jpn)**

[Metabolism of certain biologically active substances in patients with diffuse dermatoses] Skripkin IuK, et al. **Vestn Dermatol Venerol** (7):8–13, Jul 75 **(Rus)**

MICROBIOLOGY

The virus of epidermodysplasia verruciformis: electron microscopic and fluorescent antibody studies. Yabe Y, et al. **J Invest Dermatol** 65(3):324–30, Sep 75

Pitted keratolysis–a preliminary report. Young CN. **Trans St Johns Hosp Dermatol Soc** 60(1):77–85, 1974

[Fungal flora in the feces of skin-healthy subjects and of patients with skin diseases, especially patients with psoriasis] Böhm W. **Dermatol Monatsschr** 161(5):379–83, May 75 (Eng. Abstr.) **(Ger)**

[Mycoplasma-like micro-organisms in malignant tumors and non-tumours dermatovenerological diseases. Electron microscopic investigations (author's transl)] Dvořak R. **Munch Med Wochenschr** 117(24):1047–50, 13 Jun 75 (Eng. Abstr.) **(Ger)**

[Dynamics of the normal flora and its pathogenic potential for the skin] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):179–83, Apr–Jun 75 **(Rum)**

[Mycoplasma and various skin diseases (review of the literature)] Dosychev EA, et al. **Vestn Dermatol Venerol** (8):34–7, Aug 75 (105 ref.) (Eng. Abstr.) **(Rus)**

MORTALITY

[Lethality problems in dermatology] Jänner M. **Z Hautkr** 49(18):781–9, 15 Sep 74 **(Ger)**

OCCURRENCE

Letter: Mixed (lichenoid and macular) cutaneous amyloidoses. Piamphongsant T. **Acta Derm Venereol (Stockh)** 56(1):81, 1976

Dermatology in India. Canizares O. **Arch Dermatol** 112(1):93–7, Jan 76

Dermatology in Australia: a survey of private practice. Nurse DS. **Australas J Dermatol** 16(3):127–30, Dec 75

Skin disease in Port Moresby, Papua New Guinea. Reid S. **Australas J Dermatol** 17(1):1–6, Apr 76

The skin of the newborn. Rohr JB. **Australas J Dermatol** 16(3):118–20, Dec 75

Survey of skin disorders in the urban black population of South Africa. Dogliotti M. **Br J Dermatol** 93(3):259–70, Sep 75

Skin disease in Lambeth. A community study of prevalence and use of medical care. Rea JN, et al. **Br J Prev Soc Med** 30(2):107–14, Jun 76

Diseases in fishermen during a six months' trip to West African fisheries. Kozielec T. **Bull Inst Marit Trop Med Gdynia** 27(1):51–5, 1976

Perspectives in dermatology: South Africa (1972–1975). Scott FP. **Int J Dermatol** 15(3):188–95, Apr 76 (83 ref.)

Environmental factors and skin diseases. Jones HE, et al. **Milit Med** 141(4):237–43, Apr 76

Dermatology in Shiraz, Iran. Griffiths WA. **Trans St Johns Hosp Dermatol Soc** 61(1–2):92–9, 1975

[Changes in morbidity during the past 25 years, with special reference to experiences with patient material from debrecen] Lajos S. **Orv Hetil** 117(26):1563–6, 27 Jun 76 **(Hun)**

[Incidence of skin diseases among the population of Leninakan according to complex medical examinations] Danielian EE, et al. **Zh Eksp Klin Med** 15(3):93–100, 1975 **(Rus)**

PATHOLOGY

Benign and malignant proliferative response. Dermal infiltration, origin and importance. Steigleder GK. **Acta Derm Venereol (Stockh)** 56(1):33–41, 1976

Lichen sclerosus atrophicans: an ultrastructural study of the regenerative potentiality of pathological tissues. Vukas A, et al. **Acta Med Iugosl** 29(4):297–306, 1975

Macular amyloidosis with localized amyloidosis of upper air passages. Gottschalk HR, et al. **Arch Dermatol** 111(8):1017–9, Aug 75

Acute febrile neutrophilic dermatosis (Sweet syndrome). Greer KE, et al. **Arch Dermatol** 111(11):1461–3, Nov 75

Benign papular acantholytic dermatosis. Heaphy MR, et al. **Arch Dermatol** 112(6):814–21, Jun 76

Letter: Striated osteopathy in focal dermal hypoplasia. Larrègue M, et al. **Arch Dermatol** 111(10):1365, Oct 75

Persistent acantholytic dermatosis. A variant of transient acantholytic dermatosis (Grover disease). Simon RS, et al. **Arch Dermatol** 112(10):1429–31, Oct 76

Lichen aureus. Waisman M, et al. **Arch Dermatol** 112(5):696–7, May 76

Bullous transient acantholytic dermatosis. Waisman M, et al. **Arch Dermatol** 112(10):1440–1, Oct 76

Perforating pseudoxanthoma elasticum. Its distinction from elastosis perforans serpiginosa. Lund HZ, et al. **Arch Pathol Lab Med** 100(10):544–6, Oct 76

Subcutaneous angiolymphoid hyperplasia (Kimura disease). Report of a case. Kim BH, et al. **Arch Surg** 110(10):1246–8, Oct 75

Proceedings: Pathology of lichen striatus. Stewart WM. **Br J Dermatol** 95 Suppl 24:18–9, Jul 76

A method of liberating living cells from the dermal infiltrate. Tan RS, et al. **Br J Dermatol** 93(3):271–6, Sep 75

A rapid method for identifying nucleated horn cells. Tring

FC. **Br J Dermatol** 94(3):339–40, Mar 76

Bone in dermatosparaxis. I. Morphologic analysis. Dhem A, et al. **Calcif Tissue Res** 21(1):29–36, 3 Aug 76

Morphological, immunological and immunocytochemical identification of lymphocytes extracted from cutaneous infiltrates. Claudy AL, et al. **Clin Exp Immunol** 23(1):61–8, Jan 76

Transepidermal elimination of traumatically altered collagen. Report of three cases and considerations on the relationship between 'collagénome perforant verruciforme' and reactive perforating collagenosis. Delacrétaz J, et al. **Dermatologica** 152(2):65–71, 1976

Tonofilament–desmosome complex in induced regenerated epidermis in senile elastosis. An electron microscopic study. Vukas A, et al. **Dermatologica** 152(3):142–51, 1976

Lichen sclerosus et atrophicus: an electron microscopic study. Kint A, et al. **J Cutan Pathol** 2(1):30–4, 1975

alpha1–Antitrypsin deficiency and skin abnormalities. Ledoux–Corbusier M, et al. **J Cutan Pathol** 2(1):25–9, 1975

Membrane activity in histiocytic diseases of the skin. Olmos L, et al. **J Cutan Pathol** 2(2):82–90, 1975

Second European Meeting on Electron Microscopy applied to Cutaneous Pathology. Puccinelli V. **J Cutan Pathol** 2(5):254–7, 1975

Lichen striatus: a model for the histologic spectrum of lichenoid reactions. Reed RJ, et al. **J Cutan Pathol** 2(1):1–18, 1975

Langerhans cells in actinic reticuloid. Schnitzler L, et al. **J Cutan Pathol** 2(4):170–8, 1975

Capsule dermatopathology: Lichen amyloidosus vs. colloid milium. Markman JE, et al. **J Dermatol Surg** 2(3):194–5, Jun 76

Capsule dermatopathology. Kaposi's sarcoma vs. pyogenic granuloma. Myrie C, et al. **J Dermatol Surg** 2(2):116–7, May 76

Two distinct cellular patterns in cutaneous necrotizing angiitis. Soter NA, et al. **J Invest Dermatol** 66(6):344–50, Jun 76

The mode of growth of eccrine duct milia. Tsuji T, et al. **J Invest Dermatol** 65(4):388–93, Oct 75

Dermatopathology. Winkelmann RK. **J Invest Dermatol** 67(1):188–94, Jul 76 (66 ref.)

Production of ring–shaped particles by normal and metaplastic tissue. I. Human skin. Rounds DE, et al. **J Natl Cancer Inst** 55(1):7–10, Jul 75

Reflections on the definition and biologic behavior of some dermatologic diseases. Kwittken J. **Mt Sinai J Med NY** 43(3):253–62, May–Jun 76

Malignant atrophic papulosis (Kohlmeier–Degos disease) in childhood. Horner FA, et al. **Neurology (Minneap)** 26(4):317–21, Apr 76

A study of skin diseases in dogs and cats. I. Histology of the hairy skin of dogs and cats. Kristensen S. **Nord Vet Med** 27(12):593–603, Dec 75 (55 ref.)

Notes on 56 cases of pretibial atrophic–pigmentary dermoangiopathy in diabetes. Califano A, et al. **Panminerva Med** 17(1–2):6–12, Jan–Feb 75

Naevoid atrophoderma and linear telangiectasia. Emmerson RW. **Proc R Soc Med** 69(1):15–16, Jan 76

Is there a relationship between clinical morphology and epidermal cell kinetics? Marks R. **Proc R Soc Med** 68(3):161–2, Mar 75

Editorial: Lymphocytic and histiocytic infiltrations. Black MM. **Trans St Johns Hosp Dermatol Soc** 61(1–2):100–1, 1975

Electronmicroscopy of lichen sclerosis et atrophicus. Daróczy J, et al. **Trans St Johns Hosp Dermatol Soc** 60(2):183–7, 1974

[Cutaneous calcinosis induced by topical calciphylaxis in rats. I. Ultrastructural aspcts] Boivin G. **Arch Anat Microsc Morphol Exp** 64(2):183–205, Apr–Jun 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Letterer–Siwe disease. Profuse cutaneous form. Ultrastructural study] Beylot C, et al. **Arch Fr Pediatr** 32(5):488, May 75 **(Fre)**

[Proceedings: A new case of cutis marmorata telangiectica] Van Poperinghe M, et al. **Arch Fr Pediatr** 32(5):495, May 75 **(Fre)**

[Senile and striate hyperkeratotic elastosis] Korting GW, et al. **Dermatologica** 150(5):300–4, 1975 **(Ger)**

[Pathology of connective tissue and nerve fibers in lichen sclerosus et atrophicans and in genital atrophies] Kowarz–Sokolowska H. **Hautarzt** 26(11):602–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Multiple subcutaneous Trichophyton rubrum abscesses. Pathomorphosis of a generalized superficial tinea due to impaired immunological resistance] Meinhof W, et al. **Hautarzt** 27(7):318–27, Jul 76 (Eng. Abstr.) **(Ger)**

[Results and progress of scanning– and analytical electron microscopy in dermatology] Orfanos CE. **Hautarzt** 27(6):261–71, Jun 76 (95 ref.) (Eng. Abstr.) **(Ger)**

[Alterations of connective tissue in granuloma anulare and in necrobiosis lipoidica. Microradiographic studies] Schneider U, et al. **Hautarzt** 26(11):574–5, Nov 75 (Eng. Abstr.) **(Ger)**

[Plaque–like form of cutaneous mucinosis (PGM) and reticular erythematous mucinosis (REM syndrome)] Steigleder GK. **Z Hautkr** 50(1):25–32, 1 Jan 75 (Eng. Abstr.) **(Ger)**

[The Thibièrge–Weissenbach syndrome (author's trans)] Dederich R, et al. **Z Orthop** 113(3):357–61, Jun 75 (Eng. Abstr.) **(Ger)**

[Scanning electron microscopic observations on the vertically cracked human skin—especially on the point of cell infiltration. Further observations on the infiltrating cells in the skin window method (author's transl)] Uchiyama M. **Jpn J Dermatol** 85(12):720–3, Oct 75 **(Jpn)**

[Electron microscopic observations on dermal infiltrating cells in some skin diseases (author's transl)] Yamada M. **Jpn J Dermatol** 85(12):716–9, Oct 75 **(Jpn)**

[Papulosis malignant atrophicans Degos in the light of personal observations. I.] Burzyński Z, et al. **Przegl Dermatol** 62(5):681–6, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Degos' papulosis maligna atrophicans in the light of the author's clinical and histological observations. II] Czubak E, et al. **Przegl Dermatol** 63(2):181–6, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Scleromyxedema nodulare et disseminatum cum inflammatione] Kubicz J. **Przegl Dermatol** 62(5):699–703, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Adenosis sebacea eruptiva perstans following a 26–year–long course] Kubicz J. **Przegl Dermatol** 62(6):793–6, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Sarooidosis of the skin (apropos of 2 cases with asymptomatic mediastinal lymphatic involvement)] Peteiro C, et al. **Actas Dermosifiliogr** 67(1–2):21–30, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Dermatoses caused by atypical mycobacteria] Kaminsky CA, et al. **Med Cutan Iber Lat Am** 3(2):139–47, 1975 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Livedo reticularis. Signs in the skin of disturbance of blood viscosity and of blood flow. Copeman PW. **Br J Dermatol** 93(5):519–29, Nov 75 (30 ref.)

Dowling oration 1975. Fibrinolysis and vasculitis. Cunliffe WJ. **Clin Exp Dermatol** 1(1):1–16, Mar 76 (70 ref.)

[Prostaglandins and the skin (literature survey)] Brailovskiĭ AIa. **Vestn Dermatol Venerol** (10):21–30, Oct 75 (97 ref.) **(Rus)**

[Electromyographic studies in patients with different forms of vasculitis] Krasnikov IuA, et al. **Vestn Dermatol Venerol** (6):30–3, Jun 75 **(Rus)**

PREVENTION & CONTROL

Dermatologic disorders in athletes. Muller SA. **J Ky Med Assoc** 74(5):225–8, May 76

[The minimal freezing temperature for a necrosis of the epidermis and the influence of cryoprotective agents (author's transl)] Lenz H, et al. **Arch Otorhinolaryngol (NY)** 209(3):217–21, 8 Jul 75 **(Ger)**

[Letter: Prevention of aged skin] Tronnier H. **Hautarzt** 26(6):340, Jun 75 **(Ger)**

[Care and treatment of the amputation stumps with ceprovit–oinment] Drinhaus L. **ZFA** 52(14):755–7, 20 May 76 **(Ger)**

RADIOGRAPHY

Multicentric reticulohistiocytosis (lipoid dermato–arthritis). An erosive polyarthritis with distinctive clinical, roentgenographic and pathologic features. Gold RH, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):610–24, Aug 75

RADIOTHERAPY

The effects of X–ray, ultraviolet and infrared irradiation on the basement membrane zone antibody reaction of the human skin in vitro. Remy W, et al. **Acta Derm Venereol (Stockh)** 55(4):313–5, 1975

Successful management of lichen myxedematosus. Report of a case. Hill TG, et al. **Arch Dermatol** 112(1):67–9, Jan 76

Interstitial irradiation of hypertrophic scars. pp. 493–6. Soussaline M, et al. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 l61u 1973.**

Dermatologic radiotheraphy: selection of radiation qualities and treatment techniques. Goldschmidt H. **Int J Dermatol** 15(3):171–81, Apr 76 (20 ref.)

[Decree for safeguard regulation for x–ray of March 1, 1973, and its application in dermatology] Drexler G, et al. **Hautarzt** 27(7):355–7, Jul 76 **(Ger)**

[Exploitation possibilities of characteristic autoradiations for dermatological radiotherapy] Schirren JM. **Strahlentherapie** 150(2):162–83, Aug 75 (Eng. Abstr.) **(Ger)**

SURGERY

Wound dressing with collagen film in skin planing. Zachariae H. **Acta Derm Venereol (Stockh)** 56(4):312–3, 1976

The use of a posterior–based tongue flap for the closure of a pharyngocutaneous fistula. Robertson MS. **Aust NZ J Surg** 46(2):138–41, May 76

Repair of a pharyngo–cutaneous fistula. Maurice DG, et al. **Br J Plast Surg** 28(4):268–71, Oct 75

Elastolysis and the macular atrophies. Leis SN. **J Am Osteopath Assoc** 75(11):979–86, Jul 76

Use of local anesthetics in dermatology. Abadir A. **J Dermatol Surg** 1(3):68–72, Oct 75

Use of local anesthetics in dermatology. Abadir A. **J Dermatol Surg** 1(2):65–70, Jun 75

Capsule anesthesiology: use of local anesthetics in dermatology. Abadir A. **J Dermatol Surg** 2(1):63–8, Mar 76

Surgical gems. Surgical management of a superficial cutaneous abscess. Albom MJ. **J Dermatol Surg** 2(2):120–1, May 76

Spot dermabrasion, a useful minor surgical procedure. Farber GA, et al. **J Dermatol Surg** 1(4):53–5, Dec 75

The experience of skin tumours treatment with laser radiation. Gamaleja NF, et al. **Panminerva Med** 17(7–8):238–40, Jul–Aug 75

Cryosurgery for facial skin lesions. Leopard PJ. **Proc R Soc Med** 68(10):606–8, Oct 75

The delto–pectoral flap as an emergency procedure for cover of a secondarily exposed carotid arterial system. Dinner MI, et al. **S Afr J Surg** 14(1):23–6, Mar 76

[Difficulties of surgical treatment of adbominal dermodystrophies] Glicenstein J. **Ann Chir Plast** 20(2):147–55, 1975 (Eng. Abstr.) **(Fre)**

[Note of surgical technic. The technic called in a setting sun in abdominal dermodystrophies] Vilain R. **Ann Chir Plast** 20(2):239–42, 1975 **(Fre)**

[X–ray injury of the skin and its treatment] pp. 341–51. Olivari N, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Use of coallgenous implant in dermatology] Teixeira LA, et al. **Med Cutan Iber Lat Am** 2(6):477–80, 1974 (Eng. Abstr.) **(Por)**

[Surgical treatment of epithelial cysts and fistulae of the sacrococcygeal region] Petrov VP, et al. **Voen Med Zh** (10):67–8, Oct 75 **(Rus)**

THERAPY

The treatment of genetic disorders. Muller SA. **Arch Dermatol** 3(12):1620–4, Dec 75 (51 ref.)

The use of dye lasers for spectroscopic investigations and photodynamic therapy of human skin. Anders A, et al. **Arch Dermatol Res** 255(2):211–4, 21 Apr 76

Proceedings: Effects and side–effects of 8–methoxypsoralen–blacklight–therapy in more than 1500 patients. Weber G. **Br J Dermatol** 95 Suppl 24:21, Jul 76

Treatment of the aging skin by dermatologic methods. Lubowe II. **J Am Geriatr Soc** 24(1):25–8, Jan 76

Little tips with big rewards. Jansen GT. **J Dermatol Surg** 2(3):243–5, Jun 76

Electrostatic discharges for treating skin lesions: does it deserve some new research? Moore AD. **Med Instrum** 9(6):274–5, Nov–Dec 75

Present–day principles in the management of enterocutaneous fistulae. Immelman EJ. **S Afr Med J** 50(21):812–4, 15 May 76

The use of stomahesive in the care of the skin of enterocutaneous fistulas. Knighton DR, et al. **Surg Gynecol Obstet** 143(3):449–51, Sep 76

[Dermatology: Hopes, acquisitions, disillusions] Rollier R, et al. **Maroc Med** 55(591):296–9, Jun 75 **(Fre)**

[Pediatric psychotherapy within the scope of dermatology] Slany E. **Hautarzt** 26(8):419–22, Aug 75 (Eng. Abstr.) **(Ger)**

[Therapeutic results of 8–methoxypsoralen (8–MOP) and UVR (ultraviolet rays)] Oberste–Lehn H, et al. **Z Hautkr** 50(13):559–71, 1 Jul 75 **(Ger)**

[8–methoxypsoralen blacklight therapy in various skin diseases. A report on experiences from a practice] Wachtl H. **Z Hautkr** 50(16):683–93, 15 Aug 75 **(Ger)**

[Hypnosis in dermatology] Manferto G. **Minerva Med** 66(73):3864–5, 31 Oct 75 (Eng. Abstr.) **(Ita)**

[Clinical and experimental observations on dermabrasion used in the treatment of some skin diseases and abnormalities] Rudowska I. **Pol Tyg Lek** 30(35):1449–51, 1 Sep 75 **(Pol)**

[Treatment of certain dermatoses by hydrocortisone phonophoresis] Braginskiĭ MM. **Sov Med** (7):145, Jul 75 **(Rus)**

[Thalassotherapy of patients with some chronic dermatoses in the Azov Sea basin] Bazyka AP, et al. **Vestn Dermatol Venerol** (8):58–62, Aug 75 **(Rus)**

[Long–term experience in health resort treatment of dermatologic patients in Eupatoria] Miliavskiĭ AI, et al. **Vestn Dermatol Venerol** (6):52–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Results of suggestion therapy in treatment of certain dermatoses in a district hospital] Sokolianskiĭ MN. **Vestn Dermatol Venerol** (1):83–4, Jan 74 **(Rus)**

[Experimental and clinical cryogenic effect of liquid nitrogen on the skin] Zadorozhyni BA, et al. **Vestn Dermatol Venerol** (3):26–31, Mar 76 (Eng. Abstr.) **(Rus)**

[Late results of health resort treatment of chronic dermatoses] Mar'iasis ED, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):258–60, May–Jun 75 **(Rus)**

[Current therapeutic concepts in dermatology] Sosonkin IE. **Zdravookhr Kirg** (3):38–42, May–Jun 76 **(Rus)**

URINE

Urinary excretion of indolyl–3–acryloylglycine in some skin affections. Marklová E, et al. **Clin Chim Acta** 64(3):273–80, 3 Nov 75

[Influence of various skin diseases, skin color and the season on the content of indole melanogens in the urine] Schwartze G, et al. **Dermatol Monatsschr** 161(8):617–21, Aug 75 (Eng. Abstr.) **(Ger)**

[Determination of uropepsin as an indicator of phase conditions of the body reactivity in immunotherapy]

Zhukov VI, et al. **Vestn Dermatol Venerol** (6):33–7, Jun 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Letter: Femoral degeneration and scabby hip syndrome in Queensland broiler flocks. Bains BS, et al. **Aust Vet J** 51(7):364, Jul 75

Skin in dermatosparaxis. Dermal microarchitecture and biomechanical properties. Piérard GE, et al. **J Invest Dermatol** 66(1):2–7, Jan 76

The response to progestagen treatment of some diseases of cats. Chesney CJ. **J Small Anim Pract** 17(1):35–44, Jan 76

Skin granuloma of cats associated with acid–fast bacilli. Robinson M. **J Small Anim Pract** 16(9):563–7, Sep 75

A study of skin diseases in dogs and cats. I. Histology of the hairy skin of dogs and cats. Kristensen S. **Nord Vet Med** 27(12):593–603, Dec 75 (55 ref.)

Fragility of the skin in a cat. Butler WF. **Res Vet Sci** 19(2):213–6, Sep 75

Feline dermatology. Doering GG. **Vet Clin North Am** 6(3):463–7, Aug 76

Benzoyl peroxide—a new topical agent for canine dermatology. Thompson WD, et al. **Vet Med Small Anim Clin** 71(8):1059–62, Aug 76

Letter: Skin conditions in cats. Bracegirdle JR. **Vet Rec** 98(17):345, 24 Apr 76

Letter: Femoral degeneration and scabby hip syndrome in chicks. Payne CG, et al. **Vet Rec** 97(22):436–7, 29 Nov 75

[Enzootic dermonecrosis in chickens] Kasabov R, et al. **Vet Med Nauki** 13(2):19–26, 1976 (Eng. Abstr.) **(Bul)**

[SOFAN, a DMSO–containing dermatologic agent in small–animal practice] Neu H. **Berl Munch Tieraerztl Wochenschr** 88(18):358, 15 Sep 75 (Eng. Abstr.) **(Ger)**

[Systemic cutaneous and subcutaneous amyloidosis in the horse] Stünzi H, et al. **Vet Pathol** 12(5–6):405–14, 1975 (Eng. Abstr.) **(Ger)**

[Relations between clinical symptoms of zinc deficiency and zinc status of lactating cows] Kirchgessner M, et al. **Zentralbl Veterinaermed [A]** 22(7):572–82, Sep 75 (Eng. Abstr.) **(Ger)**

SKIN DISEASES, BULLOUS

Juvenile bullous disease. Clayton R. **Proc R Soc Med** 69(4):312–3, Apr 76

Herpes gestationis. Diamond WJ. **S Afr Med J** 50(19):739–40, 1 May 76

Bullous haemorrhagic ulceration, a variant of pyoderma gangrenosum. Crow KD, et al. **Trans St Johns Hosp Dermatol Soc** 60(2):142–51, 1974

[Bullous skin diseases (2)] Hatano H. **Jpn J Clin Med** 33(10):3085–92, Oct 75 **(Jpn)**

CHEMICALLY INDUCED

Letter: Bullous lesions and renal failure. Burry JN, et al. **Ann Intern Med** 84(4):493–4, Apr 76

[Bullous photodermatitis after treatment with nalidixic acid] Klaassen CH, et al. **Ned Tijdschr Geneeskd** 120(6):247–9, 7 Feb 76 (Eng. Abstr.) **(Dut)**

[Letter: Bullous photodermatitis after the use of nalidixic acid] van Dijk E. **Ned Tijdschr Geneeskd** 120(13):592, 27 Mar 76 **(Dut)**

[Gasoline poisoning; a serious accident] Moller P. **Tidsskr Nor Laegeforen** 95(23):1312–4, 20 Aug 75 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Coexistence of lichen planus and bullous pemphigoid. A immunopathological study. Stingl G, et al. **Br J Dermatol** 93(3):313–20, Sep 75

Deafness complicating mucous membrane pemphigoid: a case report. Thomson J, et al. **Br J Dermatol** 93(3):337–9, Sep 75

Febrile neutrophilic dermatosis in acute myelogenous leukemia. Klock JC, et al. **Cancer** 37(2):922–7, Feb 76

[Proceedings: 1. Gout. Acute bullous dermatosis. 2. Latent diabetes mellitus and hyperlipoproteinemia type IV Fredrickson] Gospos C. **Z Hautkr** 51(2):69, 73, 15 Jan 76 **(Ger)**

DIAGNOSIS

[A course of pregnancy with herpes gestationis (author's transl)] Kamradt B, et al. **Geburtshilfe Frauenheilkd** 36(2):128–31, Feb 76 (Eng. Abstr.) **(Ger)**

[Mixed bullous diseases] Chorzelski T, et al. **Hautarzt** 27(2):47–51, Feb 76 (49 ref.) (Eng. Abstr.) **(Ger)**

[Letter: Suitability of immunofluorescence technics for the diagnosis of bullous eruptions, lupus erythematosus, and certain other dermatoses] Holubar K, et al. **Hautarzt** 27(1):30–9, Jan 76 **(Ger)**

[Subcorneal pustular dermatosis (author's transl)] Feuerman EJ, et al. **Harefuah** 90(4) 15 Feb 76 (Eng. Abstr.) **(Heb)**

ETIOLOGY

Bullous dermatosis of hemodialysis. Gilchrest B, et al. **Ann Intern Med** 83(4):480–3, Oct 75

Bullous impetigo. Occurrence of localized scalded skin syndrome in an adult. Elias PM, et al. **Arch Dermatol** 112(6):856–8, Jun 76

[Proceedings: Infantile familial bullous recurrent dermatitis with eyelid, lip, and genital localizations and otorrhagia, and fatal course: hetero–provoked pathomimia] Gianotti F. **Ann Dermatol Syphiligr (Paris)** 102(4):403–5, 1975 **(Fre)**

[Meningococcemia and cutaneous lesions] Van Espen A, et al. **Arch Belg Dermatol** 30(2):113–4, Apr–Jun 74 **(Fre)**

[Severe light dermatosis following photo therapy in a newborn infant with congenital erythropoietic urophyria] Tönz O, et al. **Helv Paediatr Acta** 30(1):47–56, May 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Benign chronic bullous dermatosis of childhood. Linear IgA and C3 deposition on the basement membrane. Prystowsky S, et al. **Arch Dermatol** 112(6):837–8, Jun 76

Letter: Herpes gestationis. Reid LH, et al. **Arch Dermatol** 112(6):882, Jun 76

Complement in pemphigus vulgaris and other bullous dermatoses. Sbano E, et al. **Arch Dermatol Res** 254(2):143–8, 10 Dec 75

Proceedings: Further studies in herpes gestationis. Carruthers JA, et al. **Br J Dermatol** 95 Suppl 24:19–20, Jul 76

Immunology of skin disease. pp. 385–9. Cormane RH. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.4.**

The immunopathology of herpes gestationis. Immunofluorescence studies and characterization of 'HG factor'. Jordon RE, et al. **J Clin Invest** 57(6):1426–31, Jun 76

Herpes gestationis. Immunopathology and characterization of the HG factor. Katz SI, et al. **J Clin Invest** 57(6):1434–41, Jun 76

Cutaneous immunohistochemistry. The direct immunoperioxidase and immunoglobulin–enzyme bridge methods compared with the immunofluorescence method in dermatology. Boorsma DM, et al. **J Cutan Pathol** 2(6):294–301, 1975

Immunologic phenomena in herpes gestations. Their pathogenic and diagnostic significance. Jablonska S, et al. **J Dermatol (Tokyo)** 2(4):149–58, Dec 75

Herpes gestationis: fine structural pattern of immunoglobulin deposits in the skin in vivo. Hönigsmann H, et al. **J Invest Dermatol** 66(6):389–92, Jun 76

Serum and blister fluid anticomplementary activity in pemphigus and bullous pemphigoid. Sucrose density gradient studies. Jordon RE, et al. **Proc Soc Exp Biol Med** 151(3):594–8, Mar 76

[Gougerot's trilogy and dysglobulinemias] de Maubeuge J, et al. **Arch Belg Dermatol** 30(2):89–94, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[Significance of immunological examination for the diagnosis and course of autoimmune disorders in dermatology] Kleinhans D. **Z Hautkr** 51(7):285–95, 1 Apr 76 **(Ger)**

[On the immumopathologic and serologic findings in a case of bullous dermatosis with hydatidiform mole. Herpes gestationis? (AUTHOR'S TRANSL)] Yasue T. **Jpn J Dermatol [A]** 85(4):251–60, 15 Mar 75 **(Jpn)**

MORTALITY

International mortality from bullous diseases since 1950. Savin JA. **Br J Dermatol** 94(2):179–89, Feb 76

PATHOLOGY

Eosinophilic spongiosis: A clinical histological and immunofluorescent correlation. Knight AG, et al. **Clin Exp Dermatol** 1(2):141–53, Jun 76

[Letter: Immunofluorescence histology of dermatoses in schema and picture. I. Material and methodology, normal human skin, bullous dermatoses] Maucher OM, et al. **Hautarzt** 26(11):607–9, Nov 75

Herpes gestationis. Ultrastructure and ultrastructural localization of in vivo–bound complement. Yaoita H, et al. **J Invest Dermatol** 66(6):383–8, Jun 76

THERAPY

Letter: Methoxsalen and irradiation: treatment for pustulosis palmaris et plantaris. Mizune N, et al. **Arch Dermatol** 112(6):883–4, Jun 76

TRANSMISSION

Herpes gestations with identical lesions in the newborn. Passive transfer of the disease? Chorzelski TP, et al. **Arch Dermatol** 112(8):1129–31, Aug 76

VETERINARY

Immunofluorescence testing in a bullous skin disease of a dog. Austin VH, et al. **J Am Vet Med Assoc** 168(4):322–4, 15 Feb 76

SKIN DISEASES, INFECTIOUS

see related

POXVIRUS INFECTIONS

Botryomycosis. Martin–Pascual A, et al. **Dermatologica** 151(5):302–8, 1975

Ulcerans ulcer: the sore that heals in vain. Radford AJ. **Int J Dermatol** 14(6):422–4, Jul–Aug 75

Pustular psoriasis elicited by streptococcal antigen and localized to the sweat pore. Shelley WB, et al. **J Invest Dermatol** 65(5):466–71, Nov 75

Human infection with Dermatophilus congolensis. Kaminski GW, et al. **Med J Aust** 1(13):443–7, 27 Mar 76

[Proceedings: Mycobacterium fortuitum infection] Degos R, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):390–1, 1975 **(Fre)**

[Virus diseases of the skin and genital organs. 6th diagnostic–therapeutic discourse of the ZFA in Freudenstadt 1975] Nasemann T. **Z Allgemeinmed** 51(31):1441–2, 10 Nov 75 **(Ger)**

[Role of copper metabolism disorders in the pathogenesis of bacterial eczema] Vanat SV, et al. **Vrach Delo** (5):115–7, May 75 **(Rus)**

[Andrews' plamo–plantar pustular bacterid. Review of cases compared with the literature] García–Pérez A, et al. **Actas Dermosifiliogr** 66(3–4):103–20, Mar–Apr 75 **(Spa)**

COMPLICATIONS

Disseminated Nocardia brasiliensis infection. Karassik SL, et al. **Arch Dermatol** 112(3):370–2, Mar 76

DIAGNOSIS

Mycobacterium marinum skin infections mimicking cutaneous leishmaniasis. Even–Paz Z, et al. **Br J Dermatol** 94(4):435–42, Apr 76

Conditions that mimic skin cancer. Jones DL, et al. **J Dermatol Surg** 2(3):209–14, Jun 76

Erysipelothrix endocarditis with cutaneous lesion. Park CH, et al. **South Med J** 69(8):1101–3, Aug 76

[A case of epidermal sporotrichosis (author's transl)] Jirásek L, et al. **Cesk Dermatol** 51(3):162–7, Jun 76 (Eng. Abstr.) **(Cze)**

[The so–called 'benign gonoccocal sepsis'] Schröter R, et al. **Z Hautkr** 50(15):637–56, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Chronic suppurative processes in the gluteal–anal area] Bazyka AP. **Vestn Dermatol Venerol** (2):18–22, Feb 74 (Eng. Abstr.) **(Rus)**

[Case of a gonorrheal skin lesion] Potapnev FV, et al. **Vestn Dermatol Venerol** (12):65–6, Dec 75 **(Rus)**

DRUG THERAPY

Sporotrichoid Nocardia brasiliensis infection. Response to potassium iodide. Mitchell G, et al. **Am Rev Respir Dis** 112(5):721–3, Nov 75

Minocycline hydrochloride treatment for atypical acid–fast infection. Loria PR. **Arch Dermatol** 112(4):517–9, Apr 76

New non–steroid non–antibiotic skin medicaments. Copeman PW, et al. **Br Med J** 4(5991):264, 1 Nov 75

Diproderm with gentamicin—a new very potent steroid ointment in infected eczema. Björnberg A, et al. **Curr Ther Res** 18(4):556–8, Oct 75

Double–blind comparison of cephradine and cephalexin in the treatment of skin and soft–tissue infections due to Staphylococcus aureus. Hubsher JA, et al. **Curr Ther Res** 19(6):579–88, Jun 76

Antimicrobial effectiveness of Locacorten–Vioform cream in Secondary infections of common dermatoses. Konopka EA, et al. **Dermatologica** 151(1):1–8, 1975

Effects of local corticosteroids in skin infections. Raab W. **Dermatologica** 152 Suppl 1:67–79, 1976

A case of cutaneous amoebiasis. Sunarwan I. **Dermatologica** 151(4):253–6, 1975

Chlorhexidine: a hexachlorophane substitute in the nursery. Maloney MH. **Nurs Times** 71(37):21, 11 Sep 75

Hibiscrub in the control of staphylococcal infection in neonates. Tuke W. **Nurs Times** 71(37):20, 11 Sep 75

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Fourth communication: Clinical results with CN 3123 in infections of the gastrointestinal tract, the skin and gynecological adnexes (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):674–6, 1976 (Eng. Abstr.) **(Ger)**

[Clinical testing of Sali–Decoderm ointment] Weitgasser H. **Munch Med Wochenschr** 118(14):447–8, 2 Apr 76 **(Ger)**

[Local treatment of bacterial infections in surgical ambulatory practice using Fucidine–gel] Schellenberg R, et al. **Z Allgemeinmed** 51(34):1608–9, 10 Dec 75 **(Ger)**

[Possibilities in the use of interferon inducer substance in the treatment of viral dermatoses] Buchvald J, et al. **Z Hautkr** 50(21):909–11, 1Nov 75 **(Ger)**

[Clinical experiences with the silver chelate of phosphoric acid–mono–(2–aminoethyl ester) (dermazellon) in dermatology] Pemler K, et al. **Z Hautkr** 49(18):775–80, 15 Sep 74 **(Ger)**

[Talampicillin and skin diseases] Arata J, et al. **J Jpn Assoc Infect Dis** 49(11):615–9, Jul 75 (Eng. Abstr.) **(Jpn)**

[Clinical use of talampicillin in the surgical field] Fujimoto M, et al. **J Jpn Assoc Infect Dis** 49(11):584–92, Jul 75 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of amoxicillin in dermatological field (author's transl)] Hiroi J, et al. **Jpn J Antibiot** 28(5):679–83, Oct 75 **(Jpn)**

[Clinical results in treatment of purulent dermatoses with amoxicillin (author's trans)] So Y, et al. **Jpn J Antibiot** 29(1):27–9, Jan 76 (Eng. Abstr.) **(Jpn)**

[Evaluation of Nafcillin natrium Polfa in selected skin diseases] Michalowski R, et al. **Pol Tyg Lek** 30(47):1967–9, 24 Nov 75 (Eng. Abstr.) **(Pol)**

[Aimed chemotherapy in ambulatory treatment of infected wounds and primary suppurative skin lesions] Prochowski

L. **Przegl Epidemiol** 30(2):187–91, 1976 (Eng. Abstr.) **(Pol)**

[Characteristics of treatment of purulent hand diseases] Kizhaev EV, et al. **Khirurgiia (Mosk)** (4):62–6, Apr 75 (Eng. Abstr.) **(Rus)**

[External application of the ointment 'gentamicin 0,1%' in certain suppurative skin diseases] Khamaganova AV, et al. **Vestn Dermatol Venerol** (1):86–7, Jan 74 **(Rus)**

ETIOLOGY

Fifth disease: full fathom five. Balfour HH Jr. **Am J Dis Child** 130(3):239–40, Mar 76

Fish tank granuloma. Woolfson H, et al. **Br J Clin Pract** 30(5):122,127, May 76

Pathogenesis of staphylococcal infections of the skin. Singh G. **Int J Dermatol** 14(10):755–60, Dec 75 (9 ref.)

Staphylococcal skin disease. Marriott PJ. **Nurs Times** 72(25):971–4, 24 Jun 76

Varicella gangrenosa due to group A beta-hemolytic Streptococcus. Smith EW, et al. **Pediatrics** 57(3):306–10, Mar 76

[Dermatoses caused by ticks] Götz H, et al. **Med Klin** 70(34):1332–9, 22 Aug 75 (23 ref.) **(Ger)**

[Skin diseases caused by cocci] Pfrieme B. **Med Klin** 70(47):1928–31, 21 Nov 75 **(Ger)**

[Dermatological complications after renal transplantation (author's transl)] Kopsa H, et al. **Wien Klin Wochenschr** 88(12):393–6, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Mycobacterium fortuitum (Minetti) as a cause of skin abscess after injection puncture (author's transl)] Vincúrová M, et al. **Bratisl Lek Listy** 64(3):366–70, Sep 75 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Immunosuppression and skin infection. Savin JA, et al. **Br J Dermatol** 93(1):115–20, Jul 75 (76 ref.)

Antibody mediated injury to pancreas & susceptibility to infections. Sarda S, et al. **Indian J Exp Biol** 13(6):527–31, Nov 75

[Letter: Immunologic deficiency in verruciform epidermodysplasis] Lambert D, et al. **Nouv Presse Med** 5(11):719, 13 Mar 76 **(Fre)**

[Serum complemet level in various infectious skin diseases (author's transl)] Kawashima T, et al. **Jpn J Dermatol** 85(11):623–31, Oct 75 **(Jpn)**

[Serologic aspects of cutaneous sporotrichosis (author's transl)] Nishikawa T, et al. **Jpn J Dermatol** 85(8):467–71, Jul 75 **(Jpn)**

MICROBIOLOGY

Nursery outbreak of scalded-skin syndrome. Scarlatiniform rash due to phage group I Staphylococcus aureus. Faden HS, et al. **Am J Dis Child** 130(3):265–8, Mar 76

Erythema infectiosum. An elementary school outbreak. Lauer BA, et al. **Am J Dis Child** 130(3):252–4, Mar 76

Subcutaneous multiplication of exfoliatin-producing staphylococci. Kapral FA. **Infect Immun** 13(3):682–7, Mar 76

Viral diseases of the skin, 1975: a 25-year perspective. Blank H, et al. **J Invest Dermatol** 67(1):169–76, Jul 76 (20 ref.)

Chemotherapy for aquarium granuloma. Van Dyke JJ, et al. **JAMA** 233(13):1380–1, 29 Sep 75

OCCURRENCE

A review of tropical skin diseases seen in Western Australia, 1966–1973. Charters AD. **Australas J Dermatol** 16(2):83–7, Aug 75

Pseudomonas aeruginosa rash associated with a whirlpool. Washburn J, et al. **JAMA** 235(20):2205–7, 17 May 76

Scabies and other skin diseases in pre-school children in Ujamaa villages in Tanzania. Masawe AE, et al. **Trop Geogr Med** 27(3):288–94, Sep 75

[Erythema infectiosum. An epidemic in a child institution] Brandrup FO, et al. **Ugeskr Laeger** 138(12):737–9, 15 Mar 76 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Cutaneous microabscess formation from Alernaria alternata. Farmer SG, et al. **Am J Clin Pathol** 66(3):565–9, Sep 76

Skin lesions in human yersiniosis. A histopathological and immunohistological study. Niemi KM, et al. **Br J Dermatol** 94(2):155–60, Feb 76

Local lesions. pp. 183–9. Rolinson GN.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Action of staphylococcal epidermolytic toxin on mouse skin: an electron microscopic study. McLay AL, et al. **J Invest Dermatol** 65(5):423–8, Nov 75

Intracutaneous infection with Leptospira icterohaemorrhagiae (Shibaura strain) of the guinea pig. Mori M, et al. **Jpn J Med Sci Biol** 27(6):297–308, Dec 74

Experimental studies on mice challenged subcutaneously with Pseudomonas aeruginosa. Gaydos JM, et al. **Proc Soc Exp Biol Med** 149(4):908–14, Sep 75

[Use of plastic adhesive to take cutaneous specimens] Borelli D. **Med Cutan Iber Lat Am** 2(4):277–83, 1974 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Microtrauma of the hand and fingers and prevention of suppurative processes] Trubnikov VF. **Ortop Travmatol Protez** (9):71–5, Sep 75 **(Rus)**

SURGERY

Primary cutaneous cryptococcal granuloma in a child. Rao TV, et al. **J Pediatr Surg** 11(2):267–8, Apr 76

[Plastic operations in suppurative diseases] Gostishchev VK, et al. **Khirurgiia (Mosk)** (2):14–9, Feb 76 (Eng. Abstr.) **(Rus)**

THERAPY

Conservative treatment of cervico-facial suppurations. Cosma D, et al. **J Maxillofac Surg** 3(3):198–9, Sep 75

[Specific hyposensitizing therapy of chronic staphylococcal skin diseases] Fedotov VP. **Vrach Delo** (10):130–3, Oct 75 (Eng. Abstr.) **(Rus)**

[Cutaneous viral diseases. Its treatment by using photodynamic inactivation] Lurati CE, et al. **Med Cutan Iber Lat Am** 2(6):459–69, 1974 (Eng. Abstr.) **(Spa)**

VETERINARY

The treatment of equine skin infections using topical Trichlorocarbanilide. Fennell C. **Equine Vet J** 8(1):42–5, Jan 76

Anatomical location of Dermatophilus congolensis in bovine cutaneous streptothricosis. pp. 163–71. Amakiri SF.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

The probable relationship of rainfall to Dermatophilus congolensis infection in sheep. pp. 87–96. Austwick PK.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Dermatophilus infection in cattle, goats and sheep in East Africa. pp. 49–56. Bwangamoi O.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Dermatophilus infection in the United Kingdom. pp. 77–86. Hart CB.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Dermatophilosis in primates. pp. 128–40. Kaplan W.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973. (23 ref.)

Dermatophilus infections in the United States. pp. 116–23. Kelley DC.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Handling epidemiological data. pp. 142–4. Leech FB.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Dermatophilus infection in the subtropical zone of South America. pp. 110–5. Londero AT.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Some observations on dermatophilus infection in The Gambia with particular reference to the disease in sheep. pp. 33–40. Macadam I.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Dermatophilosis in tropical South America. pp. 102–9. Moreira EC, et al.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973. (23 ref.)

Double infection of sheep and goats in Kenya with orf virus and dermatophilus. pp. 57–66. Munz E.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Cutaneous streptothricosis (dermatophilosis) of cattle in Israel. pp. 70–6. Nobel TA, et al.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Cutaneous streptothricosis in Sudanese cattle. pp. 44–8. Obeid HM.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Bovine streptothricosis in Nigeria. pp. 2–16. Oduye OO.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Histopathological changes in natural and experimental Dermatophilus congolensis infection of the bovine skin. pp. 172–81. Oduye OO.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Epizootiology of dermatophilus infection in cattle in the Accra Plains of Ghana. pp. 17–32. Oppong EN.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

Specific fluorescent antibody staining of the grain in skin lesion of guinea pigs infected with Pseudomonas aeruginosa. Sawada T, et al. **Jpn J Vet Sci** 37(6):621–5, Dec 75

Sore dewlap: Pseudomonas aeruginosa on rabbit fur and skin. Williams CS, et al. **Vet Med Small Anim Clin** 70(8):954–5, Aug 75

[Skin disease in cattle, caused by Dermatophilus congolensis] Weber A, et al. **Tierarztl Prax** 3(2):175–9, 1975 **(Ger)**

SKIN DISEASES, PARASITIC

see related

ECTOPARASITIC INFESTATIONS

Some aspects of cutaneous leishmaniasis in Riyadh. Saudi Arabia. Morsy TA, et al. **J Trop Med Hyg** 79(6):137–9, Jun 76

Cutaneous amebiasis. Alvarez Chacon R. **Mod Probl Paediatr** 17:259–61, 1975

Onchocerciasis and the skin. Browne SG. **S Afr Med J** 50(9):301–4, 28Feb 76

[Grain itch (acarodermatitis uricariodes)] Khalilov I-KhM, et al. **Vestn Dermatol Venerol** (11):73–5, Nov 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Schistosomiasis. Paraplegia and ectopic skin lesions as admission symptoms. Wood MG, et al. **Arch Dermatol** 112(5):690–5, May 76

DIAGNOSIS

Tungiasis in travelers from tropical Africa. Goldman L. **JAMA** 236(12):1386, 20 Sep 76

[Cutaneous amebiases (stimulating pyoderma gangrenosum in ulcerative colitis)] Sunarwan I, et al. **Ned Tijdschr Geneeskd** 120(8):319–21, 21 Feb 76 (Eng. Abstr.) **(Dut)**

[Case of autochthonous subcutaneous dirofilariasis in man] Pollavini G, et al. **Ann Selavo** 17(5):678–83, SEP-OCT 75 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Subcutaneous nodules as a manifestation of onchocerciasis. A rare condition in the United States. Palomar JM, et al. **Arch Surg** 111(8):909–11, Aug 76

OCCURRENCE

Epidemiological patterns of cutaneous leishmaniasis in Panama. I. Epidemics among small groups of settlers. Herrer A, et al. **Ann Trop Med Parasitol** 70(1):59–65, Mar 76

A review of tropical skin diseases seen in Western Australia, 1966–1973. Charters AD. **Australas J Dermatol** 16(2):83–7, Aug 75

PARASITOLOGY

Cutaneous schistosomiasis. El-Mofty AM, et al. **Egypt J Bilharz** 2(1):23–30, 1975

Proceedings: A new rodent filaria: a possible model for onchocerciasis. Bianco AE, et al. **Trans R Soc Trop Med Hyg** 69(4):429, 1975

PATHOLOGY

Subcutaneous sparganosis--a case report. Chen TY, et al. **J Formosan Med Assoc** 74(7):515–6, Jul 75

[Onchocerciasis of the skin] Vinogradov SA, et al. **Vestn Dermatol Venerol** (12):59, Dec 75 (Eng. Abstr.) **(Rus)**

VETERINARY

[Clinical note: a case of bovine cutaneous globidiosis] Provost A. **Rev Elev Med Vet Pays Trop** 28(1):13–5, 1975 (Eng. Abstr.) **(Fre)**

SKIN MANIFESTATIONS

Skin manifestations in human yersiniosis. Hannuksela M, et al. **Ann Clin Res** 7(6):368–73, Dec 75

Cutaneous manifestations of lightning injury. Bartholome CW, et al. **Arch Dermatol** 111(11):1466–8, Nov 75

Reversal of systemic manifestations of cryoglobulinemia. Treatment with melphalan and prednisone. Ristow SC, et al. **Arch Intern Med** 136(4):467–70, Apr 76

Unusual cutaneous associations of a malignant carcinoid tumour of the bronchus--erythema annulare centrifugum and white banding of the toe nails. Everall JD, et al. **Br J Dermatol** 93(3):341–5, Sep 75

Resolution of cutaneous manifestations of systemic sclerosis after haemodialysis. Barker DJ, et al. **Br Med J** 1(6008):501, 28 Feb 76

Skin clues to diagnosis of gastrointestinal bleeding. pp. 17–29. Samitz MH.
In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974.

Sarcoidosis: a comparison of cutaneous manifestations with chest radiographic changes. Caruthers B Jr, et al. **J Natl Med Assoc** 67(5):364–7, Sep 75

The perished rubber sign in gastroenteritis. Daynes G. **J R Coll Gen Pract** 24(147):733–5, Oct 74
Letter: It would indeed be remarkable. Manalo FB. **JAMA** 233(12):1260, 22 Sep 75
Acquired zinc deficiency. Cutaneous manifestations typical of acrodermatitis enteropathica. Tucker SB, et al. **JAMA** 235(22):2399–402, 31 May 76
Skin wrinkling in cystic fibrosis. Johns MK. **Med Biol Illus** 25(4):205–10, Nov 75
Cutaneous manifestations of systemic diseases in children. Margileth AM. **Mod Probl Paediatr** 17:177–9, 1975
Letter: A frequent sign of diabetes mellitus. Margolis J, et al. **N Engl J Med** 294(21):1184, 20 May 76
Tuberculoid leprosy. Jopling WH. **Proc R Soc Med** 69(6):391, Jun 76
Skin manifestation of visceral disease. Copeman PW. **Trans Med Soc Lond** 90:51–4, 1974
Skin manifestation of visceral disease. Shuster S. **Trans Med Soc Lond** 90:49–51, 1974
[Dermatosemiology and several other symptoms in cirrhosis of the liver] Stanchev A, et al. **Vutr Boles** 13(5):66–76, 1974 (Eng. Abstr.) **(Bul)**
[Retothelsarcoma of the stomach with skin manifestations (author's transl)] Janula J, et al. **Cesk Dermatol** 51(1):27–30, Feb 76 (Eng. Abstr.) **(Cze)**
[Cutaneous manifestations of chronic atrophic polychondritis and their relation to aphtosis] Saurat JH, et al. **Ann Dermatol Syphiligr (Paris)** 102(2):145–56, 1975 (Eng. Abstr.) **(Fre)**
[Internal malignant tumors and cutaneous symptoms] De Bersaques J, et al. **Arch Belg Dermatol** 30(3):117–58, Jul–Sep 74 (351 ref.) **(Fre)**
[The cutaneous symptoms of tuberous sclerosis] Jung EG. **J Genet Hum** 23 SUPPL:218–22, Oct 75 **(Fre)**
[Depigmented and pruriginous cutaneous manifestations of Besnier–Boeck–Schaumann disease] Daniel J, et al. **Sem Hop Paris** 52(22–23):1396–9, 9–16 Jun 76 **(Fre)**
[Cutaneous changes in diabetes mellitus with special reference to bullosis idiopathica] Cubela V, et al. **Dermatol Monatsschr** 161(3):217–9, Mar 75 **(Ger)**
[Acquired ichthyosis as a cutaneous symptom of Hodgkin's disease. Paraneoplastic syndrome] Bartsokas S, et al. **Fortschr Med** 93(30):1493–6, 23 Oct 75 (Eng. Abstr.) **(Ger)**
[Cutaneous paraneoplastic syndromes] Storck H. **Med Klin** 71(9):356–72, 27 Feb 76 **(Ger)**
[Early IgM decrease in the serum of carcinoma patients with paraneoplastic skin manifestations] Göring HD, et al. **Z Gesamte Inn Med** 30(3):112–4, 1 Feb 75 (Eng. Abstr.) **(Ger)**
[Pseudoscleroderma in a 16–month–old boy with phenylketonuria] Marczyńska–Robowska M, et al. **Wiad Lek** 28(16):1407–9, 15 Aug 75 (Eng. Abstr.) **(Pol)**
[Role of the indicators of nonspecific immunity in diagnosis of skin neoplasms and skin manifestations in patients with cancer of the visceral organs] Karpushkin VP, et al. **Vestn Dermatol Venerol** (1):42–6, Jan 74 (Eng. Abstr.) **(Rus)**
[Malignant lymphogranuloma with specific cutaneous elements. 2 cases] de Dulanto F, et al. **Actas Dermosifiliogr** 66(9–10):451–70, Sep–Oct 75 **(Spa)**
[Cutaneous manifestations and diabetes mellitus] Brown M, et al. **Med Cutan Iber Lat Am** 3(6):491–9, 1975 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Monocytic leukemia, Shilling type, with cutaneous lesions] Aparicio M, et al. **Actas Dermosifiliogr** 66(9–10):471–4, Sep–Oct 75 **(Spa)**

SKIN NEOPLASMS

Mycosis fungoides and its relation to Sézary's syndrome, lymphomatoid papulosis, and primary cutaneous Hodgkin's disease. A clinical, histopathologic and cytologic study of fourteen cases and a critical review of the literature. Brehmer–Andersson E. **Acta Derm Venereol [Suppl] (Stockh)** 56(75):3–142, 1976
Heterotransplantation of human malignant melanomas to the mouse mutant nude. Povlsen CO. **Acta Pathol Microbiol Scand [A]** 84(1):9–16, Jan 76
Giant pilomatrixoma (Malherbe calcifying epithelioma). Rothman D, et al. **Arch Surg** 111(1):86–7, Jan 76
Primary cutaneous melanoma: a report from the Queensland melanoma project. Davis NC, et al. **CA** 26(2):80–107, Mar–Apr 76
A clinical histologic, and immunologic study of a case of metastatic malignant melanoma undergoing spontaneous remission. Bodurtha AJ, et al. **Cancer** 37(2):735–42, Feb 76
Melanomas of the lower extremity among native Puerto Ricans. Pantoja E, et al. **Cancer** 38(3):1420–3, Sep 76
Subungual squamous cell carcinoma. Driban NE, et al. **Dermatologica** 150(3):186–90, 1975
Basal cell epithelioma in smallpox vaccination scar–fifty years later. Kulwin MH. **Ill Med J** 148(6):612–3, Dec 75
Cutaneous malignancies: squamous and basal cell carcinomata. pp. 317–23. Sullivan WA. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**
Isolation of nucleoli of tumour cells using citric acid–detergent mixture technique. Gulati PK, et al. **Indian J Biochem Biophys** 12(3):225–8, Sep 75
Basal cell naevus syndrome. Report of a case and review of a literature. Bansal MP, et al. **Indian J Cancer** 12(2):214–8, Jun 75
Squamous cell carcinoma of the foot. A case report of two cases with nail bed involvement. Galinski AW, et al. **J Am Podiatry Assoc** 66(7):550–3, JUL 76
Calcifying epithelioma of malherbe. A review and a case report of foot involvement. Hlavac HF, et al. **J Am Podiatry Assoc** 66(7):477–83, JUL 76
Multifocal malignant histiocytoma. Bridger MW. **J Clin Pathol** 28(10):825–7, Oct 75
Nevus lipomatosus cutaneus superficialis (Hoffmann–Zurhelle). Mehregan AH, et al. **J Cutan Pathol** 2(6):307–13, 1975
Trichoepithelioma and pigmented nevus. A combined malformation. Rahbari H, et al. **J Cutan Pathol** 2(5):225–31, 1975
Leiomyosarcoma of the leg. Joyeuse R, et al. **J Med Soc NJ** 72(11):932–3, Nov 75
Editorial: Spontaneous regression of primary cutaneous melanoma. **Med J Aust** 2(20):761, 15 Nov 75
Cutaneous vascular tumors. Margileth AM. **Mod Probl Paediatr** 17:101–11, 1975
The black cancer—malignant melanoma. Weaver PC. **Nurs Times** 72(15):582–4, 15 Apr 76
Skin metastases and hepatic cancer in childhood. Helson L, et al. **NY State J Med** 75(10):1728–30, Sep 75
Malignant blue nevus. Occurrence with aggressive behavior. Reiss RF, et al. **NY State J Med** 75(10):1749–51, Sep 75
Cytogenetic analysis of oral and cutaneous squamous cell carcinomas in the rat. Ahlström U, et al. **Odontol Revy** 26(3):205–24, 1975
Neurocutaneous syndromes in children. Chalhub EG. **Pediatr Clin North Am** 23(3):499–516, Aug 76
The practical significance of birthmarks. Holmes LB. **Pediatrics** 58(2):150–1, Aug 76
Cutaneous cancer. Everall JD. **Practitioner** 216(1292):167–73, Feb 76
Malignant fibrous histiocytoma. Hughes JP, et al. **South Med J** 68(10):1219–22, Oct 75
Studies in morphogenetic dermatology. Annotations concerning keratoacanthoma, dyskeratosis congenita, elastosis perforans, unilateral congenital psoriasiform erythroderma with ipsilateral limb defect, cavernous haemangioma, lipoid proteinosis, reticulohistiocytoma and pigmented neurofibroma. Findlay GH. **Trans St Johns Hosp Dermatol Soc** 60(2):152–9, 1974
Multiple primary melanoma. Cascinelli N, et al. **Tumori** 61(5):481–6, Sep–Oct 75
[From tumors to scales] de Kreek EJ, et al. **Ned Tijdschr Geneeskd** 119(30):1173–7, 26 Jul 75 **(Dut)**
[Cutaneous carcinomatous lymphangitis of vesical origin] Achten G, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):409–10, 1974 **(Fre)**
[Proceedings: Giant proliferating epidermoid cyst] Aliga A, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):409–10, 1975 **(Fre)**
[Interdigital spinocellular epitheliomas of the foot] Baptista AP, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):491–8, 1975 (Eng. Abstr.) **(Fre)**
[Proceedings: Giant–cell reticulo–histiocytoma] Degos R, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):385–8, 1975 **(Fre)**
[Turban tumors of Poncet–Spiegler] Duperrat B, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):396–7, 1974 **(Fre)**
[Fibro–elastic nevus with comedones scattered on its surface] Duperrat B, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):395, 1974 **(Fre)**
[Hoffmann–Zurhelle superficial cutaneous lipomatous nevus] Grupper C, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):403–4, 1974 **(Fre)**
[Plasmacytic reticulosis] Laugier P, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):507–14, 1975 (Eng. Abstr.) **(Fre)**
[Proceedings: Woringer and Kolopp's cutaneous epidermotropic reticulosis] Touraine R, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):394–5, 1975 **(Fre)**
[Gardner's syndrome] Degreef H, et al. **Arch Belg Dermatol** 30(1):43–4, Jan–Mar 74 **(Fre)**
[Gastric metastases of malignant melanoma. Report of a case (author's transl)] Faguer P, et al. **Arch Fr Mal App Dig** 64(2):139–44, Mar 75 (Eng. Abstr.) **(Fre)**
[A case of epithelioma dyskeratoticum segregans of the scalp] Normand P, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):209–12, 1975 (Eng. Abstr.) **(Fre)**
[Development and treatment of permeation nodules in cancer of the breast] Petrovanu C, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):267–72, Apr–Jun 75 (Eng. Abstr.) **(Fre)**
[Multicentric reticulohistiocytosis (lipoid dermato–arthritis). Apropos of a case with fatal outcome] David–Chaussé J, et al. **Rev Rhum Mal Osteoartic** 43(2):123–32, Feb 76 (Eng. Abstr.) **(Fre)**
[Knotty reticulosis with keloid formation] Kruspl W, et al. **Z Hautkr** 50(3):117–25, 1 Feb 75 **(Ger)**
[Case of pregnancy in a woman with neurofibromatosis] Riella E. **Minerva Ginecol** 27(8):607–13, Aug 75 (Eng. Abstr.) **(Ita)**
[Case of giant cornu cutaneum of the lid stemming from papilloma] Warczyński A, et al. **Klin Oczna** 46(5):545–7, May 76 (Eng. Abstr.) **(Pol)**
[Mibelli's angiokeratoma] Kapkaev RA, et al. **Vestn Dermatol Venerol** (2):68–70, Feb 76 **(Rus)**
[2 cases of melanoma of the skin] Samarina AG, et al. **Vestn Dermatol Venerol** (11):78, Nov 75 **(Rus)**
[Barre–Masson syndrome] Pavlishin VA, et al. **Vestn Khir** 116(2):141–2, Feb 76 **(Rus)**
[Dermatofibrosarcoma] Kutsenko NS. **Vrach Delo** (2):115–6, Feb 74 **(Rus)**
[Kaposi's sarcoma with multiple cutaneous lesions in the extremities] Cacharron J, et al. **Actas Dermosifiliogr** 66(11–12):611–24, Nov–Dec 75 (Eng. Abstr.) **(Spa)**
[Von Recklinghousen's disease. Apropos of 16 cases] de Dulanto F, et al. **Actas Dermosifiliogr** 66(5–6):279–92, May–Jun 75 **(Spa)**
[Hemangioma and thrombocytopenia (Kasaback–Merritt syndrome)] Bercowsky J, et al. **Bol Med Hosp Infant Mex** 32(5):919–30, Sep–Oct 75 (Eng. Abstr.) **(Spa)**
[Juvenile hyalin fibromatosis] Costa OG, et al. **Med Cutan Iber Lat Am** 3(5):331–40, 1975 (Eng. Abstr.) **(Spa)**

ANALYSIS

Dopa–positive cells and melanin in basal cell epithelioma (BCE). Deppe R, et al. **Arch Dermatol Res** 256(1):79–83, 26 Jul 76
Letter: Contractile proteins in experimental and human neoplasia. Toh BH, et al. **Lancet** 2(7943):1045–6, 22 Nov 75
Soluble melanoprotein of tumor origin. Borovanský J, et al. **Neoplasma** 22(5):525–30, 1975

BLOOD

Monocytopoiesis in chronic eczematous diseases, psoriasis vulgaris, and mycosis fungoides. Meuret G, et al. **J Invest Dermatol** 66(1):22–8, Jan 76
[Diagnostic significance of serum hemopexin in patients with malignant melanoma] Popović S, et al. **Lijec Vjesn** 97(4):241–4, 1975 (Eng. Abstr.) **(Cro)**

BLOOD SUPPLY

Melanoma. Tumor angiogenesis and human neoplasia. Hubler WR Jr, et al. **Cancer** 38(1):187–92, Jul 76

CHEMICALLY INDUCED

Carcinogenicity in mice of some fatty acid methyl esters. 2. Peroral and subcutaneous application. Klaer HW, et al. **Acta Pathol Microbiol Scand [A]** 83(5):550–8, Sep 75
Arsenical intoxication due to pollution. Degreef H, et al. **Arch Belg Dermatol** 30(1):35–8, Jan–Mar 74
Letter: Ioderma caused by amiodarone. Porters JE, et al. **Arch Dermatol** 3(12):1656, Dec 75
Proceedings: Some factors in the aetiology of occupational skin cancer. Kipling MD, et al. **Br J Cancer** 32(2):255–6, Aug 75
Cancer and ageing in mice and men. Peto R, et al. **Br J Cancer** 32(4):411–26, Oct 75
Arsenic and cancer. Jackson R, et al. **Can Med Assoc J** 113(5):396–401, 6 Sep 75
Regression kinetics of mouse skin papillomas. Burns FJ, et al. **Cancer Res** 36(4):1422–7, Apr 76
Decrease of epidermal histidase activity by tumor–promoting phorbol esters. Colburn NH, et al. **Cancer Res** 35(11 Pt 1):3154–9, Nov 75
The sensitivity of the skin of hairless mice to chemical carcinogenesis. Iversen U, et al. **Cancer Res** 36(4):1238–41, Apr 76
Lack of carcinogenicity of 4–, 5–, 6–, 7–, 8–, 9–, and 10–hydroxybenzo(a)pyrene on mouse skin. Kapitulnik J, et al. **Cancer Res** 36(10):3625–8, Oct 76
Inhibition of two–stage carcinogenesis in mouse skin with bis(2–chloroethyl)sulfide. Van Duuren BL, et al. **Cancer Res** 36(3):1023–5, Mar 76
Isotope effect on the carcinogenicity of 3–methylcholanthrene in mouse skin by selective deuteration of the 1–methylene group: biological evidence for a mechanism of tumor initiation. Cavalieri E, et al. **Chem Biol Interact** 11(3):179–89, Sep 75
Carcinogenicity of 6–aminochrysene in mice. Lambelin G, et al. **Eur J Cancer** 11(5):327–34, May 75
The effects of dexamethasone on mouse skin initiation and aryl hydrocarbon hydroxylase. Thompson S, et al. **Eur J Cancer** 12(5):363–70, May 76
Epidermal growth factor enhancement of skin tumor induction in mice. Rose SP, et al. **Experientia** 32(7):913–5, 1976
Experimental studies on betel nut and tobacco carcinogenicity. Ranadive KJ, et al. **Int J Cancer** 17(4):469–76, 15 Apr 76
Tumors of the pilosebaceous unit induced in the rat by the intravenous administration of 7,12–dimethylbenz(A)anthracene. Bennington JL, et al. **J Invest Dermatol** 66(3):183–7, Mar 76
Cutaneous chemical carcinogenesis: past, present, and future. Yuspa SH, et al. **J Invest Dermatol** 67(1):199–208, Jul 76 (93 ref.)
Letter: Skin tumors produced by systemic administration of chemical carcinogens. Zackheim HS. **J Invest Dermatol** 67(2):299, Aug 76
Mouse skin assay of condensate from smoking products other than tobacco. Bernfeld P, et al. **J Natl Cancer Inst** 56(4):741–7, Apr 76
Cocarcinogenic activity of peroxy compounds. Bock FG, et al. **J Natl Cancer Inst** 55(6):1359–61, Dec 75
Correlation of cocarcinogenic activity among n–alkanes with

their physical effects on phospholipid micelles. Horton AW, et al. **J Natl Cancer Inst** 56(2):387–91, Feb 76

Acetic acid, a potent stimulator of mouse epidermal macromolecular synthesis and hyperplasia but with weak tumor-promoting ability. Slaga TJ, et al. **J Natl Cancer Inst** 55(4):983–7, Oct 75

Dermal carcinogenicity study by mouse-skin painting with 2,4-toluendediamine alone or in representative hair dye formulations. Giles AL Jr, et al. **J Toxicol Environ Health** 1(3):433–40, Jan 76

Letter: Cancer at insulin injection site. Sampson WI. **JAMA** 235(4):374, 26 Jan 76

Letter; Mineral-oil cancers. **Lancet** 1(7963):805, 10 Apr 76

Letter: Polyunsaturates and cancer. Mackie BS. **Med J Aust** 2(10):405, 6 Sep 75

Carcinogenicity of benzo[a]pyrene 4,5-, 7,8-, and 9,10-oxides on mouse skin. Levin W, et al. **Proc Natl Acad Sci USA** 73(1):243–7, Jan 76

Mouse dermal study of smoke condensate from 'Chemosol'-treated cigarettes. Gargus JL, et al. **Toxicol Appl Pharmacol** 33(3):568–74, Sep 75

Editorial: Oil cancer. **Trans St Johns Hosp Dermatol Soc** 60(2):191–2, 1974

On the active principles of the spurge family. III. Skin irritant and cocarcinogenic factors from the caper spurge. Adolf W, et al. **Z Krebsforsch** 84(3):325–44, 25 Nov 75

Phorbol as a possible systemic promoting agent for skin carcinogenesis. Armuth V, et al. **Z Krebsforsch** 85(1):79–82, 2 Jan 76

[Concorde and skin cancers] Denisse JF. **Biomedicine** 24(1):16–7, Jan 76 **(Fre)**

[Carcinogenic effect of 7,12-dimethylbenz(a)anthracene 5,6-oxide in mice] Chouroulinkov I, et al. **C R Acad Sci [D] (Paris)** 281(2–3):207–10, 21 Jul 75 (Eng. Abstr.) **(Fre)**

[Experimental studies on the rumorigenic activity of cigarette smoke condensate on mouse skin. VI. Fractionation of cigarette smoke condensate (author's transl)] Dontenwill W, et al. **Z Krebsforsch** 85(2):155–67, 25 Feb 76 (Eng. Abstr.) **(Ger)**

[Experimental studies on tumorigenic activity of cigarette smoke condensate on mouse skin. V. Comparative studies of condensates from different modified cigarettes (author's transl)] Dontenwill W, et al. **Z Krebsforsch** 85(2):141–53, 25 Feb 76 **(Ger)**

[Effect of 7,12-dimethylbenz(alpha)anthracene metabolites on its capacity to induce skin tumors in mice] Lopp LKh, et al. **Vopr Onkol** 21(10):50–5, 1975 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Proceedings: Enzyme cytochemical and immunocytological characterization of cutaneous lymphomas. Braun-Falco O, et al. **Br J Dermatol** 95 Suppl 24:9–10, Jul 76

Classification and differentiation of cutaneous lymphomas. Enzyme-cytochemical and immunocytological studies. Burg G, et al. **Br J Dermatol** 93(5):597–9, Nov 75

Malignant lymphomas, myocsis fungoides and allied diseases. Baumal A. **J Fla Med Assoc** 63(1):35–6, Jan 76

[Skin nevi and phakomatoses (author's transl)] Danda J, et al. **Cesk Dermatol** 51(3):188–95, Jun 76 (Eng. Abstr.) **(Cze)**

[Basalioma (diagnosis, nosological place and treatment)] Raben AS. **Klin Med (Mosk)** 53(6):134–40, Jun 75 **(Rus)**

COMPLICATIONS

Epidermal nevus and rhabdomyosarcoma. Dimond RL, et al. **Arch Dermatol** 112(10):1424–6, Oct 76

Letter: Acquired ichthyosis in Kaposi sarcoma. Krakowski A, et al. **Arch Dermatol** 111(9):1213–4, Sep 75

Arteriovenous fistula. Cutaneous manifestations. Rusin LJ, et al. **Arch Dermatol** 112(8):1135–8, Aug 76

Skin cancer in a patient with the Ehlers–Danlos syndrome. Lichtenstein JR. **Birth Defects** 11(2):341–3, 1975

Congenital and genetic skin disorders with tumor formation. Reed WB, et al. **Birth Defects** 10(4):265–84, 1974 (287 ref.)

Multiple pigmented naevi in an albino. Hall M, et al. **Br J Dermatol** 95(2):199–202, Aug 76

De novo Kaposi's sarcoma in renal transplantation. Case report and brief review. Hardy MA, et al. **Cancer** 38(1):144–8, Jul 76

Squamous cell carcinoma of the skin and lip in renal homograft recipients. Mullen DL, et al. **Cancer** 37(2):729–34, Feb 76

Familial cerebellar degeneration with slow eye-movements, mental deterioration and incidental nevus of ota (oculo-dermal melanocytosis). Whyte MP, et al. **Dev Med Child Neurol** 18(3):373–80, Jun 76

Neurofibroma, pachydermatocele of skin and cutis verticis gyrata. Bafna PL, et al. **Indian Pediatr** 12(9):933–4, Sep 75

Aneurysm of the hand secondary to Kaposi's sarcoma. Case report. Baxt S, et al. **J Bone Joint Surg [Am]** 57(7):995–7, Oct 75

Tumor- and drug-induced cutaneous neuro-phospholipidosis. Orfanos CE, et al. **J Cutan Pathol** 2(5):232–9, 1975

Ulcerated tumor developing in a lymphedematous leg. Bart RS, et al. **J Dermatol Surg** 1(4):15–7, Dec 75

Tumor on shoulder arising after excision of a cyst. Kopf AW, et al. **J Dermatol Surg** 2(3):196–8, Jun 76

Polymyositis in Kaposi syndrome. Koeppen AH, et al. **J Neurol Sci** 27(1):123–6, Jan 76

Kaposi's sarcoma associated with multiple myeloma. Ettinger DS, et al. **Johns Hopkins Med J** 137(2):88–90, Aug 75

Maffucci's syndrome. Peniche J. **Mod Probl Paediatr** 17:31–4, 1975

Epidermal nevus syndrome. Solomon LM. **Mod Probl Paediatr** 17:27–30, 1975

Cowden's syndrome report of a case with malignant melanoma. Siegel JM, et al. **Pahlavi Med J** 7(2):262–9, Apr 76

Erythrocytosis associated with multiple cutaneous leiomyomata: report of a case with demonstration of erythropoietic activity in the tumour. Eldor A, et al. **Scand J Haematol** 16(4):245–9, Apr 76

[Retinal detachment associated with choroidal varices (dissociating the sclera) and with cutaneous tuberous angiomas] Limon S, et al. **Bull Soc Ophtalmol Fr** 74(12):1131–2, Dec 74 **(Fre)**

[Ota's nevus associated with multiple blue nevi of the skin and uterine cervix, with ichthyosis vulgaris and the Klippel-Trenaunay syndrome] Sylvestre G, et al. **Union Med Can** 104(9):1369–77, Sep 75 (Eng. Abstr.) **(Fre)**

[Letter: Chronic venous insufficiency with papillomatosis] Fischer H. **Hautarzt** 26(6):341, Jun 75 **(Ger)**

[Chronic myelosis and malignant melanoma] Heilmann E, et al. **Med Welt** 27(27):1342–3, 2 Jul 76 **(Ger)**

[Psoriasis vulgaris in the clinical picture of a naevus striatus. Report of a case] Baum C, et al. **Z Hautkr** 50(9):379–83, 1 May 75 **(Ger)**

[Diagnostic and therapeutic problems in lichen ruber ulcerosus] Male O, et al. **Z Hautkr** 50(10):403–12, 15 May 75 (Eng. Abstr.) **(Ger)**

[Cutis marmorata telangiectatica congenita with plano-tuberous hemangioma] Runne U. **Z Hautkr** 50(18):802, 15 Sep 75 **(Ger)**

[The Lublin syndrome. Generalized cutaneous angiomatosis and hydrocephalus] Vadász G, et al. **Orv Hetil** 116(35):2069–70, 31 Aug 75 **(Hun)**

[Total hypertrophy of 1 lower limb associated with/banded osteosclerosis, vascular flat nevus and acrocyanosis] Braucăr M, et al. **Rev Chir [Chir]** 25(3):203–10, May-Jun 76 (Eng. Abstr.) **(Rum)**

[Cylindroma of the skin of the scalp and face] Sen'ko IA, et al. **Klin Khir** (8):72–3, Aug 75 **(Rus)**

[Basalioma of the scalp with destruction of bones of the cranial vault and growth into dura mater] Vlasov VI, et al. **Vestn Dermatol Venerol** (7):62–3, Jul 75 (Eng. Abstr.) **(Rus)**

CONGENITAL

A case of multiple neonatal haemangiomatosis with favourable outcome following steroid therapy. Schilirò G, et al. **Acta Paediatr Scand** 65(2):267–70, Mar 76

Diffuse congenital hemangiomatosis with infantile glaucoma. Weiss MJ, et al. **Am J Ophthalmol** 81(2):216–8, Feb 76

Juvenile hyalin fibromatosis. Kitano Y. **Arch Dermatol** 112(1):86–8, Jan 76

Epidermal and other congenital organoid nevi. Solomon LM, et al. **Curr Probl Pediatr** 6(1):1–56, Nov 75

Diffuse miliar angiomatosis of the neonate. Mascaro JM, et al. **Mod Probl Paediatr** 17:112–3, 1975

Congenital giant nevi: clinical and pathological considerations. Lanier VC Jr, et al. **Plast Reconstr Surg** 58(1):48–54, Jul 76

[Proceedings: Congenital generalized fibromatosis] Lauras B, et al. **Arch Fr Pediatr** 32(6):588–9, Jun-Jul 75 **(Fre)**

DIAGNOSIS

Histiocytosis X with skin lesions as the sole clinical expression. Feuerman E, et al. **Acta Derm Venereol (Stockh)** 56(4):269–77, 1976

Letter: Arteriovenous malformation resembling Kaposi sarcoma. Amon RB. **Arch Dermatol** 3(12):1656–7, Dec 75

Letter: Transillumination as diagnostic aid. Goldman L. **Arch Dermatol** 112(2):262, Feb 76

Diagnostic accuracy in malignant melanoma. Kopf AW, et al. **Arch Dermatol** 111(10):1291–2, Oct 75

Fine structure and x-ray microanalysis of melanosomes in pigmented nevi and melanomas. Szekeres L. **Arch Dermatol Forsch** 252(4):297–304, 18 Jul 75

Perifollicular fibromatosis cutis with polyps of the colon--a cutaneo-intestinal syndrome sui generis. Hornstein OP, et al. **Arch Dermatol Res** 253(2):161–75, 12 Sep 75

Thermographic evaluations of haemangiomas. Miki Y. **Australas J Dermatol** 16(3):114–7, Dec 75

Diagnosis, follow-up and prognosis of malignant melanomas by thermography. Bourjat P, et al. **Bibl Radiol** (6):115–27, 1975

Melanoma cytoplasmic humoral antibody test. A diagnostic adjunct. Copeman PW, et al. **Br J Dermatol** 94(5):565–8, May 76

The place of frozen section in the practical management of melanoma. Hughes LE. **Br J Surg** 62(10):840–4, Oct 75

Early detection of malignant melanoma. Mihm MC Jr, et al. **Cancer** 37(1 suppl):597–603, Jan 76

Isolated lymphogranulomatosis of the skin. Andreev VC, et al. **Dermatol Monatsschr** 161(3):209–14, Mar 75

Recognition and biopsy of potentially malignant skin lesions. pp. 307–16. Dahl MV. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**

Biopsy technique for malignant melanoma. Harris MN, et al. **J Dermatol Surg** 1(1):24–7, Apr 75

Conditions that mimic skin cancer. Jones DL, et al. **J Dermatol Surg** 2(3):209–14, Jun 76

Malignant melanoma or harmless mole? Baker RJ. **J Fla Med Assoc** 63(1):65–6, Jan 76

Cancer of the skin. A common medical problem for the Florida physician. Menn H. **J Fla Med Assoc** 63(1):67–70, 82a, Jan 76

Pagetoid premalignant melanosis and melanoma: differentiation from Hutchinson's melanotic freckle. Mishima Y, et al. **J Invest Dermatol** 65(5):434–40, Nov 75

That innocent freckle. Pigmented cutaneous lesions. Schotland E. **J Kans Med Soc** 77(5):202–4, May 76

Editorial: Clinical diagnosis of cutaneous malignant melanoma. Clark WH Jr. **JAMA** 236(5):484–5, 2 Aug 76

Needle aspiration biopsy. Diagnosis of subcutaneous nodules and lymph nodes. Kline TA, et al. **JAMA** 235(26):2848–9, 28 Jun 76

Basal-cell carcinoma. A case unmasked by systemic fluorouracil therapy. Scialla SJ, et al. **JAMA** 235(22):2416–7, 31 May 76

Adenoid cystic epithelioma of lacrimal gland presenting as an intracranial tumour (case report). Rao BD, et al. **Neurol India** 23(4):213–4, Dec 75

Confluent and reticulate papillomatosis (two cases). Kirby JD, et al. **Proc R Soc Med** 68(8):532–4, Aug 75

Adenoid cystic carcinoma of the scalp with pulmonary metastasis. Sanderson KV, et al. **Proc R Soc Med** 68(10):649–50, Oct 75

Mycosis fungoides. **W Va Med J** 72(1):11–5, Jan 76

[Activity of 2,4 dinitrochlorbenzene skin tests during the course of immunotherapy of malignant melanomas] Richter J, et al. **Cas Lek Cesk** 114(39):1201–3, 26 Sep 75 (Eng. Abstr.) **(Cze)**

[Diagnosis of basalioma using the iodine test] Trnka J. **Cesk Dermatol** 50(6):371–3, Dec 75 (Eng. Abstr.) **(Cze)**

[Spontaneous course of 440 cases of cavernous hemangioma. A retrospective study of 358 patients] Dahl KB. **Ugeskr Laeger** 137(39):2259–62, 22 Sept 75 (Eng. Abstr.) **(Dan)**

[Dynamic telethermography in dermatology] Amalric R, et al. **Ann Dermatol Syphiligr (Paris)** 102(2):157–64, 1975 (Eng. Abstr.) **(Fre)**

[Epidermotropic reticulosis (Woringer-Kolopp disease). Arguments in favor of a relationship with mycosis fungoides] Castermans-Elias S. **Arch Belg Dermatol** 30(4):187–94, Oct-Dec 74 (Eng. Abstr.) **(Fre)**

[Diagnosis: skin metastases of linitis plastica?] Lissoir A, et al. **Arch Belg Dermatol** 30(4):269–70, Oct-Dec 74 (Eng. Abstr.) **(Fre)**

[Role of dynamic telethermography in malignant skin melanomas] Spitalier JM, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:60–1, 1975 **(Fre)**

[Clinical, histological and photobiological peculiarities of actinic retinculoid] Frain-Bell W. **Dermatol Monatsschr** 161(1):32–7, Jan 75 (Eng. Abstr.) **(Ger)**

[Electric measuring method and apparatus for the demonstration of malignant proliferation of the skin] Kiss G, et al. **Dermatol Monatsschr** 161(5):374–8, May 75 (Eng. Abstr.) **(Ger)**

[Nevus (nevus verrucosus, sebaceus, sudoriferus et syringoadenomatosis papilliferus linearis; nevus verrucosus, sudoriferus et syringocystadenomatsus papilliferus; nervus verrucosus and psoriasis vulgaris] Koester H, et al. **Dermatol Monatsschr** 161(8):681–5, Aug 75 **(Ger)**

[The radiophosphorus (32P)-test in precanceroses and malignant tumors of the skin] Biersack HJ, et al. **Hautarzt** 27(3):133–6, Mar 76 (Eng. Abstr.) **(Ger)**

[Kimura's disease. Demonstration of the disease and its differential diagnosis] Kawada A. **Hautarzt** 27(7):309–17, Jul 76 (27 ref.) (Eng. Abstr.) **(Ger)**

[Proceedings: Differential diagnosis and clinical picture of reticuloses and reticular reactions] Kresbach H. **Hautarzt** 27(5):243–4, May 76 **(Ger)**

[Simultaneous occurrence of two primary melanomas in a patient] Remy W, et al. **Hautarzt** 26(6):327–9, Jun 75 **(Ger)**

[Primary melanomatosis] Korting GW, et al. **Med Welt** 27(1):17–21, 2 Jan 76 **(Ger)**

[Erysipelas melanomatosum] Schneider S, et al. **Med Welt** 26(49):2217–8, 5 Dec 75 **(Ger)**

[Possibility of thermography to differentiate pigmental skin tumors (author's transl)] Kaiser G, et al. **Radiologe** 15(12):453–6, Dec 75 (Eng. Abstr.) **(Ger)**

[Diagnosis, pathology and therapy of malignant melanoma of the skin (author's transl)] Kerl H. **Wien Klin Wochenschr** 88(12):369–79, 11 Jun 76 (34 ref.) (Eng. Abstr.) **(Ger)**

[Reticulosarcomatosis (type Gottron)] Knickenberg M, et al. **Z Hautkr** 50(19):825–7, 1 Oct 75 **(Ger)**

[Metastasing melanoma] Korsch A, et al. **Z Hautkr** 50(18):797–8, 15 Sep 75 **(Ger)**

[Proceedings: Bowen's disease. Spinocellular carcinoma with metastases in the inguinal, iliac, and para-aortal lymph nodes] Petres J, et al. **Z Hautkr** 51(2):61–4, 15 Jan 76 **(Ger)**

[Acute myeloid monocytic leukemia with multiple cutaneous nodes simulating the so-called reticulosarcomatosis cutis Gottron] Runne U. **Z Hautkr** 50(19):816–7, 1 Oct 75 **(Ger)**

[Multicentric, disseminated reticulohistiocytosis with plasma cells] Wüstner H, et al. **Z Hautkr** 50(19):819–20, 1 Oct 75 **(Ger)**

[Carcinoma spinocellulare dyskeratoticum segregans cuti] Jaśkiewicz K, et al. **Przegl Dermatol** 62(6):765–71, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

[Melanoma malignum of the hand and the foot] Wojnerowicz C, et al. **Przegl Dermatol** 63(1):1–9, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Pigmented moles—diagnosis and procedure (author's transl)] Bogdanowski T, et al. **Przegl Lek** 33(3):389–92, 1976 **(Pol)**

[Role of the indicators of nonspecific immunity in diagnosis of skin neoplasms and skin manifestations in patients with cancer of the visceral organs] Karpushkin VP, et al. **Vestn Dermatol Venerol** (1):42–6, Jan 74 (Eng. Abstr.) **(Rus)**

[Skin cancer of the scrotum] Zak BI, et al. **Vestn Dermatol Venerol** (12):54–7, Dec 75 (Eng. Abstr.) **(Rus)**

[Importance of localization of the malignant skin melanoma in regard to the length of survival] Blajović D. **Med Pregl** 28(11–12):501–2, 1975 **(Ser)**

[Application of thermography in the diagnosis of melanoma] Castel T, et al. **Med Cutan Iber Lat Am** 2(6):409–16, 1974 (Eng. Abstr.) **(Spa)**

[Skin bronchogenic cyst (report of 4 cases)] Drut R, et al. **Med Cutan Iber Lat Am** (2):81–5, 1974 (Eng. Abstr.) **(Spa)**

[Superficial elastic nevus of the face. Its possible identification with 'Elastome en nappe' of Dégos] Sánchez Yus E, et al. **Med Cutan Iber Lat Am** 3(3):227–31, 1975 **(Spa)**

[Chemical diagnosis of melanoma] Agrup G. **Lakartidningen** 73(7):526–8, 11 Feb 76 (Eng. Abstr.) **(Swe)**

[Skin melanoma—clinical views] Malec-Olovson E. **Lakartidningen** 73(7):524–5, 11 Feb 76 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Vitamin A acid in benign and malignant epithelial tumours of the skin. Bollag W, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:163–6, 27–29 Jan 75

Oral vitamin A acid therapy. Stüttgen G. **Acta Derm Venereol [Suppl] (Stockh)** 74:174–9, 27–29 Jan 75

The effects of nucleoside analogs on cutaneous neoplasms. Klein E, et al. **Ann NY Acad Sci** 255(751106–751230–2):216–24, 8 Aug 75

Prophylactic isolation-perfusion as the primary therapy for invasive malignant melanoma of the limbs. McBride CM, et al. **Ann Surg** 182(3):316–24, Sep 75

Isolated regional perfusion in the treatment of malignant melanomas of the extremities. Schraffordt Koops H, et al. **Arch Chir Neerl** 27(4):237–43, 1975

Chemotherapy for advanced Kaposi sarcoma. Lanzotti VJ, et al. **Arch Dermatol** 111(10):1331–3, Oct 75

Treatment of Kaposi sarcoma with vinblastine. Tucker SB, et al. **Arch Dermatol** 112(7):958–61, Jul 76

Treatment of mycosis fungoides with topical nitrosourea compounds: Further studies. Zackheim HS, et al. **Arch Dermatol** 3(12):1564–70, Dec 75

Survival and regional disease control after isolation-perfusion for invasive stage I melanoma of the extremities. Sugarbaker EV, et al. **Cancer** 37(1):188–98, Jan 76

Frequent low doses of intravenous mechlorethamine for late-stage mycosis fungoides lymphoma. Van Scott EJ, et al. **Cancer** 36(5):1613–8, Nov 75

Eastern Cooperative Oncology Group studies with DTIC (NSC-45388). Carbone PP, et al. **Cancer Treat Rep** 60(2):193–8, Feb 76

Integration of chemotherapy into combined modality therapy of solid tumors. IV. Malignant melanoma. Comis RL, et al. **Cancer Treat Rev** 1(4):285–304, Dec 74 (161 ref.)

Therapy of epithelial tumors with an aromatic retinoic acid analog. Bollag W. **Chemotherapy** 21(3–4):236–47, 1975

Therapeutic effects of an aromatic retinoic acid analog on chemically induced skin papillomas and carcinomas of mice. Bollag W. **Eur J Cancer** 10(11):731–7, Nov 74

Topical 5-fluorouracil treatment of superficial basal cell epithelioma. A light and electron microscopic study. Hodge SJ, et al. **J Cutan Pathol** 2(6):284–93, 1975

Perfusion therapy for skin cancer. Golomb FM. **J Dermatol Surg** 1(4):39–48, Dec 75

Phosphonoacetic acid treatment of shope fibroma and vaccinia virus skin infections in rabbits. Friedman-Kien AE, et al. **J Invest Dermatol** 66(02):99–102, Feb 76

A clinical trial of procarbazine plus vincristine plus bis-chloroethyl-nitrosourea plus imidazole carboxamide dimethyl triazeno in metastatic malignant melanoma. Van Dyk JJ, et al. **Med Pediatr Oncol** 1(2):107–11, 1975

Topical chemotherapy of the tumors of the head and neck. Cerra R, et al. **Panminerva Med** 17(7–8):259–61, Jul–Aug 75

Possibilities and limits of topical 5-fluorouracil treatment in precancerous and cancerous skin lesions. Leigheb G, et al. **Panminerva Med** 17(7–8):265–6, Jul–Aug 75

Local chemotherapy of skin cancer. Lowenfels AB. **Panminerva Med** 17(7–8):251–2, Jul–Aug 75

Bowen's disease of shaft of penis. Successful treatment with 5-fluorouracil. Tolia BM, et al. **Urology** 7(6):617–9, Jun 76

[Various aspects of treatment of primary melanoblastoma of the extremities by regional perfusion] Koops HS, et al. **Ned Tijdschr Geneeskd** 119(45):1746–53, 8 Nov 75 (Eng. Abstr.) **(Dut)**

[Treatment of malignant melanomas. Trial of D.T.I.C. by intra-arterial infusion] Banzet P, et al. **Nouv Presse Med** 4(20):1477–80, 17 May 75 (Eng. Abstr.) **(Fre)**

[Treatment of metastasising melanoma with a combination of cytostatic agents (author's transl)] Kleeberg UR, et al. **Dtsch Med Wochenschr** 101(23):890–4, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Letter: Levamisole therapy of recurring herpes simplex or malignant melanoma?] Runne U, et al. **Dtsch Med Wochenschr** 100(48):2510, 28 Nov 75 **(Ger)**

[Therapeutic indications for immature angioma in the early infancy] Gasperoni C, et al. **Minerva Chir** 30(21):1084–9, 15 Nov 75 (Eng. Abstr.) **(Ita)**

[Should karchauli liquid be used in certain benign tumors and tumor-like skin lesions?] Raben AS, et al. **Vestn Dermatol Venerol** (3):68–70, Mar 76 **(Rus)**

[Case of facial pepillomatosis successfully treated with celandine juice] Savchak VI. **Vestn Dermatol Venerol** (3):77, Mar 76 **(Rus)**

[Effect of the cytotoxic action preparation fotrin on the function of the adrenal cortex in the treatment of reticulodermia] Solovel SN, et al. **Vestn Dermatol Venerol** (12):8–11, Dec 75 (Eng. Abstr.) **(Rus)**

[Drug therapy of malignant tumors of the skin. Bleomycin] Ocaña Sierra J. **Actas Dermosifiliogr** 66(3–4):159–78, Mar–Apr 75 **(Spa)**

[Treatment of epithelioms with DNCB] Romaguera Sagrera C, et al. **Med Cutan Iber Lat Am** 2(6):471–6, 1974 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Enzymes of carbohydrate metabolism in naevoid basal-cell epithelioma. De Bersaques J. **Arch Dermatol Res** 256(2):103–11, 27 Aug 76

Cells with positive Dopa—reaction in the infiltrate of basal cell epithelioma (bce). Pullmann H, et al. **Arch Dermatol Res** 253(3):229–35, 29 Oct 75

Immunochemical detection of tyrosinase in serum of patients with metastatic malignant melanomas. and from Hardy-Passey mouse melanomas DelVecchio VG, et al. **Australas J Dermatol** 17(1):26–9, Apr 76

The induction of ornithine decarboxylase as an early, possibly obligatory, event in mouse skin carcinogenesis. O'Brien TG. **Cancer Res** 36(7 PT 2):2644–53, Jul 76

Beta-glucuronidase in human cutaneous tumours. Vaquero C, et al. **Eur J Cancer** 11(10):739–42, Oct 75

Enzymes of carbohydrate metabolism in human epidermal tumors. 2. Enzymes of the glucose oxidation pathway, from triose-phosphate to pyruvate. DE Bersaques J. **J Cutan Pathol** 1(4):176–9, 1974

Enzymes of carbohydrate metabolism in human epidermal tumors. 3. Enzymes between glucose and triose-phosphate. De Bersaques J. **J Cutan Pathol** 2(4):198–202, 1975

Enzymes of carbohydrate metabolism in human epidermal tumors 4. Enzymes of the pentose phosphate pathway. De Bersaques J. **J Cutan Pathol** 2(5):246–53, 1975

Enzymes of carbohydrate metabolism in human epidermal tumors. 1. Lactate, malate, and isocitrate dehydrogenases, alanine and aspartate aminotransferases. De Bersaques J. **J Cutan Pathol** 1(2):103–8, 1974

Low levels of photoreactivating enzyme in xeroderma pigmentosum variants. Sutherland BM, et al. **Nature** 257(5522):132–4, 11 Sep 75

[Tyrosinases of nevo-cellular nevi and human malignant malanomas] Voulot C, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):547–51, 1975 **(Fre)**

[Malignant melanoma—a PO-cell tumor? (author's transl)] Schmidt H, et al. **Arch Geschwulstforsch** 45(2):146–52, 1975 (Eng. Abstr.) **(Ger)**

[Enzyme-histochemical and Feulgen-cytophotometric studies on cells of the cutaneous connective tissue in inflammations and tumor growth] Kleinhans D. **Z Hautkr** suppl 1:1–48, 1975 **(Ger)**

[Ultrastructural studies of the occurrence of tyrosinase in transplantable amelanotic melanoma in Syrian hamster] Bomirski A, et al. **Przegl Dermatol** 63(1):11–8, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Werner's syndrome and malignancy. Björnberg A. **Acta Derm Venereol (Stockh)** 56(2):149–50, 1976

Skin cancer, melanoma, and sunlight. Fears TR, et al. **Am J Public Health** 66(5):461–4, May 76

Plasmacytoma arising in a pacemaker pocket. Hamaker WR, et al. **Ann Thorac Surg** 21(4):354–6, Apr 76

Bowen disease associated with porokeratosis of Mibelli. Coskey RJ, et al. **Arch Dermatol** 111(11):1480–1, Nov 75

Letter: Malignant melanoma from thermal burn scar. Gellin GA, et al. **Arch Dermatol** 111(9):1214–5, Sep 75

Alopecia with fibrous dysplasia and osteomas of skin. A sign of polyostotic fibrous dysplasia. Shelley WB, et al. **Arch Dermatol** 112(5):715–9, May 76

Epidermal neoplasms with epidermolysis bullosa dystrophica with the first report of carcinoma with the acquired type. Reed WB, et al. **Arch Dermatol Res** 253(1):1–14, 29 Aug 75

Dystrophic epidermolysis bullosa with epidermal neoplasms with emphasis on a dermal collagen defect. Reed WB, et al. **Birth Defects** 11(6):153–66, 1975 (50 ref.)

Bathing trunk naevus with neoplastic transformation. Munro DD. **Br J Dermatol** 95 Suppl 24:77–8, Jul 76

Interval effect of beta-irradiation and subsequent 4-nitroquinoline 1-oxide painting on skin tumor induction in mice. Hoshino H, et al. **Cancer Res** 35(12):3663–6, Dec 75

A model describing the effects of dose and dose rate on tumour induction by radiation in rat skin. pp. 253–63. Vanderlaan M, et al. **In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.**

Inferences on radiation carcinogenesis revealed by selected studies in animals. pp. 13–29. Bustad LK, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.** (61 ref.)

Molecular mechanisms in radiation carcinogenesis. pp. 63–5, Setlow RB. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Osteogenic sarcoma arising in an old burn scar. Drut R, et al. **J Cutan Pathol** 2(6):302–6, 1975

Basal-cell epithelioma occurring in a smallpox vaccination scar. Castrow FF, et al. **J Dermatol Surg** 2(2):151–2, May 76

Cutaneous oncology 1950–1975. Van Scott EJ. **J Invest Dermatol** 67(1):195–8, Jul 76 (22 ref.)

Tumor-promoting activity of cigarette tar in rat skin exposed to irradiation. McGregor JF. **J Natl Cancer Inst** 56(2):429–30, Feb 76

The tricho system: hypertrichosis, radiation, and cancer. Lapidus SM. **J Surg Oncol** 8(3):267–74, 1976

Vitiligo and malignant melanoma. Fodor J, et al. **Neoplasma** 22(4):445–8, 1975

Species-specific neoplastic progression by ultraviolet light on the skin of rats, guinea pigs, hamsters and mice. Stenbäck F. **Oncology** 31(3–4):209–25, 1975

Poikiloderma atrophicans vasculare as a pointer to reticulosis of the skin. Chapman RS, et al. **Postgrad Med J** 51(597):463–7, Jul 75

Current evidence about the causes of malignant melanoma. Lee JA. **Prog Clin Cancer** 6:151–61, 1975 (53 ref.)

A clinical study of skin cancer: genetic and environmental interactions. Smithurst BA, et al. **Public Health** 90(1):25–30, Nov 75

Tumor and injury responses of rat skin after sieve pattern x irradiation. Albert RE, et al. **Radiat Res** 67(1):142–8, Jul 76

Tumor induction and hair follicle damage for different electron penetrations in rat skin. Burns FJ, et al. **Radiat Res** 67(3):474–81, Sep 76

Accelerated induction of skin cancers by ultraviolet radiation in hairless mice treated with immunosuppressive agents. Koranda FC, et al. **Surg Forum** 26:145–6, 1975

[Induction of cutaneous or subcutaneous fibroblastic tumors in the Afghan pika (Ochotona rufescens rufescens) by injection or bovine papilloma virus] Puget A, et al. **C R Acad Sci [D] (Paris)** 280(24):2813–6, 23 Jun 75 (Eng. Abstr.) **(Fre)**

[Basal cell epithelioma and multiple fibroepithelial Pinkus' tumors in the lumbosacral region. Discussion of the precipitating role of previous radiotherapy treatment. Apropos of 4 cases] Colomb D, et al. **Sem Hop Paris** 51(44):2655–64, 9 Nov 75 (Eng. Abstr.) **(Fre)**

[Occupational malignant skin neoplasms] Haustein UF. **Dermatol Monatsschr** 161(10):791–806, Oct 75 (Eng. Abstr.) **(Ger)**

[Light-induced cancer] Wiskemann A. **Strahlentherapie** 150(2):195–8, Aug 75 (Eng. Abstr.) **(Ger)**

[Neurodystrophic quadrant syndrome simulatray puffed-sleeve lipomatosis] Luger A, et al. **Z Hautkr** 51(7):275–83, 1 Apr 76 **(Ger)**

[Effect of ultraviolet radiation on the occurrence of skin neoplasms] Pawińska-Promiewska M. **Przegl Dermatol** 63(2):225–31, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Role of chemical carcinogens and psoralens in the induction of skin neoplasms with UV] Pawinska-Promiewska M. **Przegl Dermatol** 63(3):371–6, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Malignant tumors formed against the background of ulcers, osteomyelitic fistulas and scars] Dryzhak VI. **Klin Khir** (10):78–9, Oct 75 **(Rus)**

[Pathogenesis and treatment of the erythrodermal form of mycosis fungoides] Kalantaevskaia KA, et al. **Vestn Dermatol Venerol** (12):3–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Transformation of lichenoid parapsoriasis into mycosis fungoides] Nechipurenko NP, et al. **Vestn Dermatol Venerol** (11):76–7, Nov 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Multiple dermal perifollicular fibromas with polyps of the colon — report of a peculiar clinical syndrome. Hornstein OP, et al. **Acta Hepatogastroenterol (Stuttg)** 23(1):53–8, Feb 76

DNA-mediated transformation in the platyfish-swordtail melanoma system. Vielkind J, et al. **Experientia** 32(8):1043–5, 15 Aug 76

Genetic differences in the induction of aryl hydrocarbon hydroxylase and benzo(a)pyrene carcinogenesis in C3H/He and DBA/2 strains of mice. Watanabe M, et al. **Gann** 66(3):217–26, Jun 75

Generalized dermal perifollicular fibromas with polyps of

the colon. Hornstein OP. **Hum Genet** 33(2):193–7, 27 Jul 76

Gardner's syndrome and nasal obstruction. Lekas MD. **RI Med J** 58(11):471–3, Nov 75

[The basocellular nevus syndrome] Bossuyt M, et al. **Arch Belg Dermatol** 30(1):1–13, Jan–Mar 74 (Eng. Abstr.) **(Dut)**

[Disseminated lenticular dermatofibrosis with osteopecila (father and son). Buschke–Ollendorff syndrome] Grupper C, et al. **Ann Dermatol Syphiligr (Paris)** 101(4):405–7, 1974 **(Fre)**

[Familial form of cutaneous epitheliomatosis with complex neurological characteristics similar to hereditary spinocerebellar degeneration. Apropos of 4 cases including one case with anatomo–clinical description] Chateau R, et al. **Rev Neurol (Paris)** 131(6):387–406, Jun 75 (Eng. Abstr.) **(Fre)**

[Clinico–genealogical analysis of malignized xeroderma pigmentosum of the face] Voinov EA, et al. **Klin Khir** (2):65–8, 1975 **(Rus)**

[Familial cutaneous leiomyomas] Quiñcnes PA, et al. **Actas Dermosifiliogr** 67(5–6):311–8, May–Jun 76 (Eng. Abstr.) **(Spa)**

HISTORY

Secondary skin cancer in nineteenth–century Britain. Onuigbo WI. **Br J Dermatol** 94(4):457–63, Apr 76

[History of research on the etiology of skin cancer in chimney sweeps] Beliaev II. **Gig Sanit** (6):43–4, Jun 76 **(Rus)**

IMMUNOLOGY

Immunologic responses of the autochthonous host against tumors induced by ultraviolet light. Kripke ML, et al. **Adv Exp Med Biol** 66:445–9, 1976

Immunological characterization of an arylamidase (aminopeptidase) occurring in histiocytoma. Herrmann WP, et al. **Arch Dermatol Res** 255(3):245–9, 21 Jun 76

Lymphocyte stimulation in the cellular inflammatory reaction of some human skin tumours. Pullmann H, et al. **Arch Dermatol Res** 253(3):219–24, 29 Oct 75

The influence of tumour burden and therapy on cellular cytotoxicity responses in patients with ocular and skin melanoma. Unsgaard B, et al. **Br J Cancer** 31(3):301–16, Mar 75

Lymphocyte abnormalities in mycosis fungoides. MacKie R, et al. **Br J Dermatol** 94(2):173–8, Feb 76

Long–term spontaneous regression of malignant melanoma with visceral metastases. Report of a case with immunologic profile. Bulkley GB, et al. **Cancer** 36(2):485–94, Aug 75

Smooth muscle–associated antigen in experimental cutaneous squamous cell carcinoma, keratoacanthoma, and papilloma. Toh BH, et al. **Cancer Res** 35(12):3741–5, Dec 75

Halo nevus: competent surveillance of potential melanoma? Krebs JA, et al. **Cleve Clin Q** 43(1):11–5, Spring 76

The immune response in human malignant melanoma. Mackie RM. **Clin Exp Dermatol** 1(1):23–8, Mar 76 (30 ref.)

Differentiation between B cells, T cells, and histiocytes in melanocytic lesions: primary and metastatic melanoma and halo and giant pigmented nevi. Edelson RL, et al. **Clin Immunol Immunopathol** 4(4):557–68, Nov 75

Immunotherapy of malignant melanoma. Roenigk HH Jr. **Compr Ther** 1(4):65–70, Aug 75

Skin carcinogenesis in nude mice: a preliminary study. pp. 265–8. Schjerven L, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Humoral cytotoxicity in melanoma patients and its correlation with the extent and course of the disease. Canevari S, et al. **Int J Cancer** 16(5):722–9, 15 Nov 75

Immunology and cutaneous malignant melanoma. Sober AJ. **Int J Dermatol** 15(1):1–18, Jan–Feb 76 (98 ref.)

Epidermal cytoplasmic antibodies: incidence and type in normal persons and patients with melanoma. Abel EA, et al. **J Invest Dermatol** 66(1):44–8, Jan 76

T–cell membrane characteristics of 'mycosis cells' in the skin and lymph node. van Leeuwen AW, et al. **J Invest Dermatol** 65(4):367–9, Oct 75

Regression of cutaneous neoplasms following delayed–type hypersensitivity challenge reactions to microbial antigens or lymphokines. Holtermann OA, et al. **J Med** 6(2):157–68, 1975

Letter: Sensitisation to neuroblastoma. Burger DR, et al. **Lancet** 2(7980):310, 7 Aug 76

Immunotherapy for accessible tumors utilizing delayed hypersensitivity reactions and separated components of the immune system. Klein E, et al. **Med Clin North Am** 60(3):389–418, May 76

Occurrence of paraproteins in melanoblastoma. Lochmann O, et al. **Neoplasma** 22(4):431–4, 1975

Marjolin's ulcer: an immunologically privileged tumor? Bostwick J 3d, et al. **Plast Reconstr Surg** 57(1):66–9, Jan 76

Initiation–promotion skin carcinogenesis and immunological competence. Curtis GL, et al. **Proc Soc Exp Biol Med** 150(1):61–4, Oct 75

Cell–mediated cytotoxicity for melanoma tumor cells: detection by a (3H) proline release assay. Saal JG, et al. **Scand J Immunol** 5(5):455–66, 1976

Melanoma antigens that produce cell–mediated immune responses in melanoma patients: joint U.S.–U.S.S.R. study. Gorodilova VV, et al. **Science** 190(4212):391–2, 24 Oct 75

Immunological studies in children with xeroderma pigmentosum. Berkel AI, et al. **Turk J Pediatr** 16(2):43–52, Apr 74

[Immunological conditions in patients with malignant melanoma of the skin] Kristensen E. **Ugeskr Laeger** 138(8):463–8, 16 Feb 76 (Eng. Abstr.) **(Dan)**

[Cellular immunity in melanomalignome (author's transl)] Fritz J, et al. **Arch Dermatol Res** 255(2):203–9, 21 Apr 76 (Eng. Abstr.) **(Ger)**

[Mitogenic activity of melanoma extracts in leucocyte cultures (author's transl)] Lischka G. **Arch Dermatol Res** 253(2):105–12, 12 Sep 75 (Eng. Abstr.) **(Ger)**

[T and B lymphocytes in skin changes of cutaneous lymphoma (author's transl)] Burg G, et al. **Dtsch Med Wochenschr** 100(50):2562–4, 12 Dec 75 (Eng. Abstr.) **(Ger)**

[Immunology of malignant melanomas] Schieferstein G. **Fortschr Med** 94(14):833–7, 13 May 76 (Eng. Abstr.) **(Ger)**

[Humoral antitumor cytotoxins in patients with melanoma of the skin] Korosteleva TA, et al. **Vopr Onkol** 21(5):61–3, 1975 (Eng. Abstr.) **(Rus)**

[Immunologic reactions in malignant melanoma of the skin in man] Veresova OV, et al. **Vopr Onkol** 21(4):74–80, 1975 (33 ref.) **(Rus)**

[Determination of B lymphocytes: immunofluorescence and peroxidase dyes (preliminary note)] Estrach Panella T, et al. **Med Cutan Iber Lat Am** 3(5):399–402, 1975 (Eng. Abstr.) **(Spa)**

[Determination of T lymphocytes in blood circulation and cutaneous infiltrates of various dermatoses] Panella TE, et al. **Med Cutan Iber Lat Am** 2(3):213–20, 1974 (Eng. Abstr.) **(Spa)**

[In vitro cellular immunity in lymphoproliferative skin diseases. Inhibitory factor of macrophages] Umbert Millet P, et al. **Med Cutan Iber Lat Am** 3(3):241–6, 1975 (Eng. Abstr.) **(Spa)**

[Immunological aspects of melanoma] Sjögren H. **Lakartidningen** 73(7):528–30, 11 Feb 76 (Eng. Abstr.) **(Swe)**

METABOLISM

Cell division and metabolic activity of naevus cells. The relationships between anatomy and behaviour in moles. Bentley–Phillips C, et al. **Br J Dermatol** 94(5):557–63, May 76

Proceedings: A non–acne naevus. A clinical and laboratory study. Cunliffe WJ, et al. **Br J Dermatol** 95 Suppl 24:18, Jul 76

The biochemistry of preneoplasia in mouse skin. Boutwell RK. **Cancer Res** 36(7 PT 2):2631–5, Jul 76

Oestrogen receptors in human malignant melanoma. Fisher RI, et al. **Lancet** 2(7981):337–9, 14 Aug 76

[Sulfhydryl groups in the elements of pigmented nevi and malignant melanomas of the skin in man] Avtandilov GG, et al. **Vopr Onkol** 22(2):9–12, 1976 (Eng. Abstr.) **(Rus)**

[In vitro autoradiographic study of basocellular epithelioma] de Castro Torres A. **Rev Clin Esp** 139(1):33–6, 15 Oct 75 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Studies on the role of C–type viruses in the development of epithelial tumors induced with DMBA. Maciejewski W, et al. **Arch Dermatol Res** 253(1):43–51, 29 Aug 75

Increase in type A virus particles induced in BALB/c mouse epidermis during chemical carcinogenesis. Bibby MC, et al. **Br J Cancer** 32(6):660–6, Dec 75

Oncornavirus–like particles in human skin cancers. Balda BR, et al. **Proc Natl Acad Sci USA** 72(9):3697–700, Sep 75

[Induction of epidermal tumor growth in the skin of Mastomys natalensis by transfer of virus–containing tumor tissue from a squamous cell carcinoma] Rudolph R, et al. **Zentralbl Veterinaermed [B]** 23(2):143–50, Mar 76 (Eng. Abstr.) **(Ger)**

[Epidermodysplasia verruciformis with malignant degeneration. Negative search of Paova virus in malignant lesions] Sánchez Yus E, et al. **Actas Dermosifiliogr** 67(5–6):377–84, May–Jun 76 (Eng. Abstr.) **(Spa)**

MORTALITY

Adverse effect of pregnancy on melanoma: a reappraisal. Shiu MH, et al. **Cancer** 37(1):181–7, Jan 76

OCCURRENCE

Multiple sequential skin cancers. The risk of skin cancer in patients with previous skin cancer. Bergstresser PR, et al. **Arch Dermatol** 111(8):995–6, Aug 75

Letter: Multiple sequential skin cancers: the risk of skin cancer in patients with previous skin cancer. Biro L, et al. **Arch Dermatol** 112(10):1470, Oct 76

Letter: Changes in incidence of melanoma. Epstein E, et al. **Arch Dermatol** 112(8):1174, Aug 76

Southern Arizona—a skin cancer factory! Schreiber MM. **Ariz Med** 33(3):191–2, Mar 76

Skin cancer in sunny Queensland. Harris TJ. **Br J Plast Surg** 29(1):61–7, Jan 76

Skin cancer and water arsenic in Lane County, Oregon. Morton W, et al. **Cancer** 37(5):2523–32, May 76

Squamous–cell and basal–cell carcinomas in black patients. Amonette RA, et al. **J Dermatol Surg** 2(2):158–61, May 76

Malignant melanoma at St. John's Hospital, Tulsa, Oklahoma. Forrest J, et al. **J Okla State Med Assoc** 69(3):81–4, Mar 76

Incidence of depigmented nevi in 1,000 healthy term newborns. Kennedy JL Jr, et al. **Mod Probl Paediatr** 17:211, 1975

The incidence of birthmarks in the neonate. Jacobs AH, et al. **Pediatrics** 58(2):218–22, Aug 76

The increasing incidence of melanoma. Cosman B, et al. **Plast Reconstr Surg** 57(1):50–6, Jan 76

[Statistical data of skin cancer in Zaragoza] Zubíri A, et al. **Actas Dermosifiliogr** 66(9–10):497–500, Sep–Oct 75 **(Spa)**

[Malignant skin melanoma—epidemiological and statistical aspects] Ericsson J, et al. **Lakartidningen** 73(7):516–8, 11 Feb 76 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Apoptosis in lichen planus and several other dermatoses. Intra–epidermal cell death with filamentous degeneration. Hashimoto K. **Acta Derm Venereol (Stockh)** 56(3):187–210, 1976

Electron microscopic study of nevic corpuscle. Niizuma K. **Acta Derm Venereol (Stockh)** 55(4):283–9, 1975

Benign and malignant proliferative response. Dermal infiltration, origin and importance. Steigleder GK. **Acta Derm Venereol (Stockh)** 56(1):33–41, 1976

A case of disseminated hemangiomatosis with cutaneous, hepatic and skeletal manifestations and increased urinary excretion of glycosaminoglycans. Gordin A, et al. **Acta Med Scand** 198(5):425–30, Nov 75

An autopsy case of metastasizing protuberant dermatofibrosarcoma. Ishii T, et al. **Acta Pathol Jpn** 25(4):503–15, Jul 75

Reticulosarcomatosis originating from skin—A clinicopathological study. Okayasu I, et al. **Acta Pathol Jpn** 25(2):201–12, Mar 75

Atypical fibroxanthoma of the skin. A clinico–pathological study of 57 cases. Dahl I. **Acta Pathol Microbiol Scand [A]** 84(2):183–97, Mar 76

Histologic identification of malignant lymphoma cutis. Fisher ER, et al. **Am J Clin Pathol** 65(2):149–58, Feb 76

The histiocytic nature of dermatofibrosarcoma protuberans. Tissue culture and electron microscopic study. Ozzello L, et al. **Am J Clin Pathol** 65(2):136–48, Feb 76 (28 ref.)

Studies on ultrastructure of human melanomas. Wrzolkowa T, et al. **Ann Med Sect Pol Acad Sci** 20(2):137–8, 1975

Epidermoid carcinoma arising from within an epidermoid inclusion cyst. Davidson TM, et al. **Ann Otol Rhinol Laryngol** 85(3 pt 1):417–8, May–Jun 76

Tumor thickness, level of invasion and node dissection in stage I cutaneous melanoma. Breslow A. **Ann Surg** 182(5):572–5, Nov 75

Selection of the optimum surgical treatment of stage I melanoma by depth of microinvasion: Use of the combined microstage technique (Clark–Breslow). Wanebo HJ, et al. **Ann Surg** 182(3):302–15, Sep 75

Proceedings: Recurring digital fibrous tumor of childhood, case 1. Arundell FD. **Arch Dermatol** 111(10):1372–3, Oct 75

Multiple palmoplantar histiocytomas. Bedi TR, et al. **Arch Dermatol** 112(7):1001–3, Jul 76

Letter: Halo nevi of scalp with poliosis. Fellman AC, et al. **Arch Dermatol** 112(4):559, Apr 76

Letter: Malignant melanoma arising with two halo nevi. Fishman HC. **Arch Dermatol** 112(3):407–8, Mar 76

Atypical fibroxanthoma masquerading as pyogenic granuloma. Goette DK, et al. **Arch Dermatol** 112(8):1155–7, Aug 76

Nevus sebaceous and syringocystadenoma papilliferum. Greer KE, et al. **Arch Dermatol** 112(2):206–8, Feb 76

Cutaneous cartilaginous tumor. Holmes HS, et al. **Arch Dermatol** 112(6):839–40, Jun 76

Plaque–type blue nevus. Pittman JL, et al. **Arch Dermatol** 112(8):1127–8, Aug 76

Sea–blue histiocytes in mycosis fungoides. Robinowitz B, et al. **Arch Dermatol** 111(9):1165–7, Sep 75

Syringocystadenoma papilliferum in an unusual location. Report of a case. Rostan SE, et al. **Arch Dermatol** 112(6):835–6, Jun 76

Umbilical metastasis from carcinoma of the stomach. Sister Joseph's nodule. Samitz MH. **Arch Dermatol** 111(11):1478–9, Nov 75

Letter: Basal cell carcinoma overlying dermatofibroma. Schoenfeld RJ. **Arch Dermatol** 112(4):563–4, Apr 76

Multiple halo neurofibromas. Smith WE, et al. **Arch Dermatol** 112(7):987–90, Jul 76

Umbilical endometrioma (silent type). Williams HE, et al. **Arch Dermatol** 112(10):1435–6, Oct 76

Increase of melanocytes around malignant melanoma. Paul E, et al. **Arch Dermatol Forsch** 252(4):275–83, 18 Jul 75

Lymphatic transport and phagocytosis of melanosomes in blue nevus. Sato S, et al. **Arch Dermatol Forsch** 252(4):239–44, 18 Jul 75

Some electron microscopic and autoradiographic results concerning cutaneous neurofibromas in von Recklinghausen's disease. Lassmann H, et al. **Arch Dermatol Res** 255(1):69–81, 10 Mar 76

Fluorescence–microscopic investigations of pigment cells of lentigo maligna (melanosis circumscripta praeblastomatosa Dubreuilh) and lentigo maligna melanoma. Paul E, et al. **Arch Dermatol Res** 256(2):179–87, 27 Aug 76

On the occurrence of sphaeridia in basalioma cells and the basal cells of the overlying epidermis. Rupec M, et al.

Arch Dermatol Res 256(1):33–7, 26 Jul 76
Malignant melanoma of the skin metastatic to the eye. Frequency in autopsy series. Fishman ML, et al. **Arch Ophthalmol** 94(8):1309–11, Aug 76
Pathologic quiz case 2. Calcifying adenoma (epithelioma) of Malherbe. Coates HL, et al. **Arch Otolaryngol** 102(6):380–2, Jun 76
Squamous cell carcinoma developing in the Jadassohn phenomenon: a case report. Mitchell RE. **Australas J Dermatol** 16(2):79–82, Aug 75
Clear cell acanthoma: a widely unknown tumor-like dermal lesion. von Seebach HB, et al. **Beitr Pathol** 156(2):173–8, Nov 75
Proceedings: Lentigo-maligna melanoma: an ultrastructural study. Bleehen SS, et al. **Br J Dermatol** 95 Suppl 24:14–5, Jul 76
Proceedings: Malignant melanoma. A comparison of cellular fine structure in invasive nodules of different histogenetic type. Hunter JA, et al. **Br J Dermatol** 95 Suppl 24:13–4, Jul 76
Naevus superficialis lipomatosus. A clinicopathological report of twenty cases. Jones EW, et al. **Br J Dermatol** 93(2):121–33, Aug 75
Effect of the Hewitt keratinizing epidermal carcinoma on cell proliferation in different organs of the host mouse and in human psoriatic skin cultured in diffusion chambers. Kariniemi AL, et al. **Br J Dermatol** 94(5):515–22, May 76
A method of liberating living cells from the dermal infiltrate. Tan RS, et al. **Br J Dermatol** 93(3):271–6, Sep 75
The pathology of lymphangioma circumscriptum. Whimster IW. **Br J Dermatol** 94(5):473–86, May 76
Disseminated melanoma with unique unilateral distribution. Ariel IM. **Cancer** 36(6):2143–6, Dec 75
Spindle cell carcinoma: ultrastructural evidence of squamous origin and collagen production by the tumor cells. Battifora H. **Cancer** 37(5):2275–82, May 76
Cutaneous basal cell carcinoma of vulva. Cruz-Jimenez PR, et al. **Cancer** 36(5):1860–8, Nov 75
The gardner syndrome. A study in cell culture. Danes BS. **Cancer** 36(6 Suppl):2327–33, Dec 75
A possible primary cutaneous carcinoid. Dijk CV, et al. **Cancer** 36(3):1016–20, Sep 75
Regional lymph node metastases and the level of invasion of primary melanoma. Holmes EC, et al. **Cancer** 37(1):199–201, Jan 76
Masson's 'vegetant intravascular hemangioendothelioma:' a lesion often mistaken for angiosarcoma: study of seventeen cases located in the skin and soft tissues. Kuo T, et al. **Cancer** 38(3):1227–36, Sep 76
Malignant lymphoma of the skin: a clinicopathologic study of lymphoma other than mycosis fungoides. Long JC, et al. **Cancer** 38(3):1282–96, Sep 76
Tumor cell characterization in mycosis fungoides. Robinowitz BN, et al. **Cancer** 37(4):1747–53, Apr 76
Natural history of malignant melanoma as related to therapy. DeVita VT Jr, et al. **Cancer Treat Rep** 60(2):153–7, Feb 76
Pathology of malignant melanoma - part 1. Woodruff JM. **Clin Bull** 6(1):15–23, 1976
Pathology of malignant melanoma--Part II. Woodruff JM. **Clin Bull** 6(2):52–9, 1976
On the classification, staging and prognosis of cutaneous melanomas. Levene A. **Clin Exp Dermatol** 1(1):17–22, Mar 76
Two cases of metastasizing basal cell carcinoma. White H. **Clin Oncol** 1(2):149–55, Jun 75
Metaplasia of a verruca vulgaris into spinocellular carcinoma. Grussendorf EI, et al. **Dermatologica** 150(5):295–9, 1975
Basal cell carcinoma in children. Hernández-Pérez E. **Dermatologica** 150(5):311–5, 1975
Mitochondrial inclusions in basalioma cells. Rupec M, et al. **Dermatologica** 152(5):286–8, 1976
Inflammatory linear verrucose epidermal nevus. Toribio JT, et al. **Dermatologica** 150(2):65–9, 1975
Perianal verrucose carcinoma spreading to the rectum: report of a case. Drut R, et al. **Dis Colon Rectum** 18(6):516–21, Sep 75
Angiosarcoma of the skin. A clinicopathologic and fine structural study. Rosai J, et al. **Hum Pathol** 7(1):83–109, Jan 76
Calcifying epithelioma of Malherbe--a true tumour or a malformation? Thomas JA, et al. **Indian J Cancer** 12(2):179–86, Jun 75
Straight-hair nevus syndrome: a case report with scanning electron microscopic findings of hair morphology. Downham TF 2d, et al. **Int J Dermatol** 15(6):438–43, Jul-Aug 76
Pathology of cutaneous vascular tumors. Johnson WC. **Int J Dermatol** 15(4):239–70, May 76 (63 ref.)
Clinical, radiologic, and histopathologic aspects of 13 cases of nevoid basal cell carcinoma syndrome. Donatsky O, et al. **Int J Oral Surg** 5(1):19–28, Feb 76
Papillomatosis cutis carcinoides: a case study. Cimitan A. **Ital Gen Rev Dermatol** 11(3):239–46, Sep-Dec 74
Anaplastic thyroid carcinoma metastatic to skin. Barr R, et al. **J Cutan Pathol** 1(5):201–6, 1974
Ultrastructure of spindle cell squamous carcinoma. Feldman PS, et al. **J Cutan Pathol** 3(1):17–24, 1976
On the pathogenesis of pseudoepitheliomatous hyperplasia. Freeman RG. **J Cutan Pathol** 1(6):231–7, 1974
Ultrastructure of halo nevi. Gauthier Y, et al. **J Cutan Pathol** 2(2):71–81, 1975
Arteriovenous hemangioma (arteriovenous shunt). A clinicopathological and histochemical study. Girard C, et al. **J Cutan Pathol** 1(2):73–87, 1974
The mineralizing organic matrix of the benign calcified epithelioma of Malherbe. Nusgens B, et al. **J Cutan Pathol** 1(1):47–53, 1974
Second European Meeting on Electron Microscopy applied to Cutaneous Pathology. Puccinelli V. **J Cutan Pathol** 2(5):254–7, 1975
The morphological variations of fibrous histiocytomas. Vilanova JR, et al. **J Cutan Pathol** 1(4):155–64, 1974
Solitary nodule of the foot. Bart RS, et al. **J Dermatol Surg** 1(2):18–9, 23, Jun 75
Tumor conference No. 6. Large, ulcerated plaque of the cheek. Bart RS, et al. **J Dermatol Surg** 2(2):112–3, May 76
Squamous cell carcinoma vs. keratoacanthoma: criteria for histologic differentiation. Chalet MD, et al. **J Dermatol Surg** 1(1):14–5, Apr 75
Benign juvenile melanoma (Spitz nevus) vs. superficial spreading malignant melanoma: criteria for histologic differentiation. Connors RC, et al. **J Dermatol Surg** 1(2):14–5, Jun 75
Histopathologic considerations in the management of skin cancer. Freeman RG. **J Dermatol Surg** 2(3):215–21, Jun 76
Trichoepithelioma vs. basal-cell carcinoma: criteria for histologic differentiation. Kechijian P, et al. **J Dermatol Surg** 1(4):22–3, Dec 75
Long standing erythematous scaly plaque on the hand. Kopf AW, et al. **J Dermatol Surg** 1(1):16–8, Apr 75
Capsule dermatopathology. Kaposi's sarcoma vs. pyogenic granuloma. Myrie C, et al. **J Dermatol Surg** 2(2):116–7, May 76
Cutaneous pseudolymphoma vs cutaneous malignant lymphoma criteria for histologic differentiation. Niven J, et al. **J Dermatol Surg** 1(3):8–9, Oct 75
Focus on melanoma. Silvers DN. **J Dermatol Surg** 2(2):108–10, May 76
Hidroacanthoma simplex: an ultrastructural study and comparison with eccrine poroma. Oka K, et al. **J Dermatol (Tokyo)** 2(2):69–78, Jun 75
Plantar malignant melanoma. Seiji M, et al. **J Dermatol (Tokyo)** 2(4):163–70, Dec 75
Ultraviolet light carcinogenesis in hairless mice: cell kinetics during induction and progression of squamous cell carcinoma as estimated by the double-labeling method. Chopra DP. **J Invest Dermatol** 66(4):242–7, Apr 76
Mixed tumors of the skin of the salivary gland type: a light and electron microscopic study. Hernandez FJ. **J Invest Dermatol** 66(1):49–52, Jan 76
Production of ring-shaped particles by normal and metaplastic tissue. I. Human skin. Rounds DE, et al. **J Natl Cancer Inst** 55(1):7–10, Jul 75
Hemorrhagic palatal lesion. Alper RA, et al. **J Oral Pathol** 4(4):222–8, Oct-Nov 75
Sézary's syndrome: a cytogenetic, cytophotometric and autoradiographic study. Bosman FT, et al. **J Pathol** 118(1):49–57, Jan 76
The ultrastructure of benign pigmented naevi and melanocarcinomas in man. Curran RC, et al. **J Pathol** 119(3):135–46, Jul 76
Macrocephaly in association with unusual cutaneous angiomatosis. Stephan MJ, et al. **J Pediatr** 87(3):353–9, Sep 75
Ultrastructural comparison of the interface between epithelium and stroma in basal cell carcinoma and control human skin. McNutt NS. **Lab Invest** 35(2):132–42, Aug 76
Metastatic basal cell carcinoma. Weedon D, et al. **Med J Aust** 2(5):177–9, 2 Aug 75
Isolated lesion in a ten-month-old girl. Mastocytoma. Andrade R. **Mod Probl Paediatr** 17:116–8, 1975
Benign juvenile melanoma. A study of 51 lesions. Andrade R. **Mod Probl Paediatr** 17:212–6, 1975
Cutaneous benign histiocytoses of childhood. Gianotti F. **Mod Probl Paediatr** 17:193–203, 1975
Reflections on the definition and biologic behavior of some dermatologic diseases. Kwittken J. **Mt Sinai J Med NY** 43(3):253–62, May-Jun 76
A freeze-etch study of occurrence of nuclear pores in normal and tumor cells. Svejda J, et al. **Neoplasma** 22(4):385–90, 1975
Leiomyosarcoma of superficial soft tissue with unusual metastasis. Kaplan G, et al. **NY State J Med** 75(12):2240–1, Oct 75
Cellular injury and cell proliferation in skin carcinogenesis by UV light. Stenbäck F. **Oncology** 31(2):61–75, 1975
Fine structure and origin of Kaposi's sarcoma. Gokel JM, et al. **Pathol Eur** 11(1):45–7, 1976
Atypical fibroxanthoma of skin: an electron microscope study. Weedon D, et al. **Pathology** 7(3):173–7, Jul 75
Defining the malignant potential of the giant pigmented nevus. Dellon AL, et al. **Plast Reconstr Surg** 57(5):611–8, May 76
Benign atypical fibroxanthoma or a malignant tumor? A warning. Case reports. Poleksic S, et al. **Plast Reconstr Surg** 58(4):501–5, Oct 76
Histiocytoma; histiocytoma proliferans; histiocytoma malignum: (clinical and morphological observations). Wojnerowicz C, et al. **Pol Med Sci Hist Bull** 15(2):261–8, Apr-Jun 76
Skin metastases in carcinoma of the stomach. Adam BA, et al. **Postgrad Med J** 51(596):419–22, Jun 75
Moles that cause concern. Walton RG. **Primary Care** 2(1):65–79, Mar 75
Naevoid pigmentation with giant melanosomes (two cases). Eady RA, et al. **Proc R Soc Med** 68(12):759–61, Dec 75
Histology and prognosis of cutaneous melanoma. Little JH. **Prog Clin Cancer** 6:163–76, 1975 (67 ref.)
Metastasizing basal cell carcinoma. Case report. Lildholdt T, et al. **Scand J Plast Reconstr Surg** 9(2):170–3, 1975
Studies on café au lait spots in neurofibromatosis and pigmented macules of nevus spilus. Takahasi M. **Tohoku J Exp Med** 118(3):255–73, Mar 76
On the sympathetic nature of some forms of Recklinghausen's disease: a study of six cases. Llombart A. **Trab Inst Cajal Invest Biol** 62:75–104, 1970 (Eng. Abstr.)
Cellular composition of the so-called dermatofibroma (histiocytoma cutis). Katenkamp D, et al. **Virchows Arch [Pathol Anat]** 367(4):325–36, 18 Sep 75
Immunoblastic sarcoma with leukemic blood picture in the terminal stage of mycosis fungoides. Schwarze EW, et al. **Virchows Arch [Pathol Anat]** 369(2):165–72, 31 Dec 75
Morphogenesis of intracytoplasmic dense (inclusion) bodies in a recurring digital fibrous tumor of childhood. Light- and electron-microscopic investigations. Stiller D, et al. **Virchows Arch [Pathol Anat]** 367(1):73–81, 23 Jun 75
Clinical appearance of cutaneous melanomas. Nordlund JJ. **Yale J Biol Med** 48(5):403–7, Nov 75
Histopathology of melanoma. Smith GJ. **Yale J Biol Med** 48(5):409–16, Nov 75
[Skin cancer with metastasis to the heart] Velizarov A, et al. **Khirurgiia (Sofiia)** 29(1):76–9, 1976 **(Bul)**
[Histology and prognosis of cutaneous malignant melanomas. Study of 50 cases] Meugé C, et al. **Ann Anat Pathol (Paris)** 20(3):245–58, May-Jul 75 (Eng. Abstr.) **(Fre)**
[Fibromatosis in children. An attempt at classification, apropos of a case of extensive ossifying fibromatosis] Barrière H, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):5–20, 1975 **(Fre)**
[Reticulohistiocytosis of benign evolution (Hashimoto-Pritzker type). Electron microscopy study] Laugier P, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):21–31, 1975 (Eng. Abstr.) **(Fre)**
[Perforation of the epidermis in nevocellular nevi] Bourlond A, et al. **Arch Belg Dermatol** 30(2):67–74, Apr-Jun 74 (Eng. Abstr.) **(Fre)**
[Lymph node pathology during dermatoses with circulating Sézary cells] Chelloul N, et al. **Biomedicine** 24(1):62–79, Jan 76 (Eng. Abstr.) **(Fre)**
[Melanoacanthoma (author's transl)] Delacrétaz J. **Dermatologica** 151(4):236–40, 1975 (Eng. Abstr.) **(Fre)**
[Cutaneous cysts and carcinomas] Mariethoz C. **Rev Med Suisse Romande** 95(11):859–68, Nov 75 **(Fre)**
[Multiple skin plasmocytomas, increased serum IgA and lack of bone marrow lesions (author's transl)] Bork K, et al. **Arch Dermatol Res** 254(3):245–52, 31 Dec 75 (Eng. Abstr.) **(Ger)**
[Pathogenesis of neurofibromatosis. Light- and electron microscopical investigations (author's transl)] Heine H, et al. **Arch Dermatol Res** 256(1):85–95, 26 Jul 76 (Eng. Abstr.) **(Ger)**
[Fluorescence histochemical and microfluorometrical investigations of pigmentary tumors of the skin (author's transl)] Paul E, et al. **Arch Dermatol Res** 253(2):125–44, 12 Sep 75 (Eng. Abstr.) **(Ger)**
[Study on transplantable, melanin containing hamster papova virusinduced skin tumours in Syrian hamster (author's transl)] Bender E, et al. **Arch Geschwulstforsch** 45(3):244–54, 1975 (Eng. Abstr.) **(Ger)**
[Malignant melanoma: depth of invasion and histologic typing] Hermanek P, et al. **Beitr Pathol** 157(3):269–82, May 76 (Eng. Abstr.) **(Ger)**
[Ultrastructure and combined cytostatic treatment of reticulosarcomatosis of the skin] Haustein UF, et al. **Dermatol Monatsschr** 161(8):646–58, Aug 75 (Eng. Abstr.) **(Ger)**
[Mucigenous skin metastases of a gastric adenocarcinoma] Stolp A, et al. **Dermatol Monatsschr** 161(1):46–51, Jan 75 (Eng. Abstr.) **(Ger)**
[Ultrastructure of solid basalioma. A morphometric study (author's transl.)] Rupec M, et al. **Dermatologica** 151(5):288–95, 1975 (Eng. Abstr.) **(Ger)**
[New method for the more precise differentiation of melanomas. Significance of formalin-induced fluorescence for the prognostic evaluation of malignant melanomas] Paul E. **Fortschr Med** 93(30):1488–92, 23 Oct 75 (Eng. Abstr.) **(Ger)**
[Hemangioperocytoma in the infant. A histogenetic study] Altmeyer P, et al. **Hautarzt** 27(6):272–7, Jun 76 (Eng. Abstr.) **(Ger)**
[The angioleiomyoma of the skin] Bardach H, et al. **Hautarzt** 26(12):638–42, Dec 75 (Eng. Abstr.) **(Ger)**
[Rare melanocytes and nevus-cell nevi] Frenk E, et al. **Hautarzt** 26(12):619–24, Dec 75 (Eng. Abstr.) **(Ger)**
[Atypical Kaposi's disease] Schmoeckel C, et al. **Hautarzt** 27(6):291–5, Jun 76 (Eng. Abstr.) **(Ger)**
[Response of collagenous tissue to pigmented tumors] Steigleder GK, et al. **Hautarzt** 27(4):153–4, Apr 76 (Eng. Abstr.) **(Ger)**
[Kaposi's sarcoma] Gokel JM, et al. **Med Welt** 27(19):915–9, 7 May 76 **(Ger)**
[The ultrastructure of fibrous and histiocytic skin tumors (dermatofibroma, dermatofibrosarcoma protuberans, fibroxanthoma, and histiocytoma) (author's transl)] Auböck L. **Virchows Arch [Pathol Anat]** 368(3):253–74, 30 Oct 75 (Eng. Abstr.) **(Ger)**
[The histogenesis of Kaposi sarcoma: a histochemical and electronmicroscopical study (author's transl)] Braun-Falco

O, et al. **Virchows Arch [Pathol Anat]** 369(3):215–27, 16 Feb 76 (Eng. Abstr.) **(Ger)**

[Exophytic bowenoid squamous cell carcinoma] Goertz E. **Z Hautkr** 50(18):798–9, 15 Sep 75 **(Ger)**

[Dermatofibrosarcoma protuberans with 20-year duration] Korom I. **Z Hautkr** 51(14):583–6, 15 Jul 76 **(Ger)**

[Trichilemmoma. A study of 100 cases] Möhlenbeck FW. **Z Hautkr** 49(18):791–5, 15 Sep 74 **(Ger)**

[Structural variants of intracellular flagella and centrioles in nevus cells] Szekeres L. **Z Hautkr** 50(11):461–6, 1 Jun 75 **(Ger)**

[Hidradenoma of the skin. Synoptic reveiw of syringeal hidradenoma, eccrine epithelioma and eccrine basalioma (author's transl)] Cramer HJ. **Zentralbl Allg Pathol** 120(3):193–8, 1976 (Eng. Abstr.) **(Ger)**

[Pathology of so-called genign lymphomas (lymphoid hyperplasia). II. Contribution to the study of forms of dermatological importance] Colafranceschi M, et al. **Arch De Vecchi Anat Patol** 60(2):351–68, Dec 74 **(Ita)**

[An uncommon pseudo tumoral skin disease; the so-called Papillomatosis cutis carcinoides. A review (author's transl)] Allerga F, et al. **Ateneo Parmense [Acta Biomed]** 46(6):649–63, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Perifollicular fibroma] D'Angelo I, et al. **Pathologica** 67(963–964):57–60, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Association of chronic lymphocytic leukemia with Kaposi's disease localized in skin, lymph nodes and spleen] Pannacciulli I, et al. **Pathologica** 67(967–968):205–15, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Electron microscopic observations of malignant melanoma. The comparative studies on intracellular organelle in the malignant melanoma of the choroid and in the malignant melanoma of the skin (author's transl)] Matsuzaki S. **Acta Soc Ophthalmol Jpn** 79(6):567–82, 10 Jun 75 (Eng. Abstr.) **(Jpn)**

[Studies on classification of nevus pigmentosus and cholinesterase activity of nevus cell] Yoshinaga K. **Jpn J Dermatol** 85(14):885–97, Dec 75 **(Jpn)**

[Two cases of multiple bowenoid lesions. A clinical and histological study (author's transl)] Arata J, et al. **Jpn J Dermatol [A]** 85(4):217–34, 15 Mar 75 **(Jpn)**

[Malignant melanoma and diffuse melanomatosis of the central nervous system associated with nevi pigmentosi cutis in an infant] Borowska-Lehman J, et al. **Neuropatol Pol** 14(2):279–84, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

[Basal cell carcinoma of the skin with metastases to remote organs] Kostyrka J. **Nowotwory** 26(2):145–8, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

[Case of Bednar's neurofibroma (neurofibroma storiforme)] Pietrow D, et al. **Nowotwory** 26(2):135–40, Apr–Jun 76 **(Pol)**

[Malherbe's calcifying epithelioma at the area of the auricular concha] Citowicki W, et al. **Otolaryngol Pol** 30(1):63–5, 1976 **(Pol)**

[Ultrastructure of Kaposi's sarcoma] Domagala W, et al. **Patol Pol** 26(4):517–24, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

[Differences in the microscopic and submicroscopic structures as well as the clinical course of subtypes of squamous cell carcinoma of the skin] Woźniak L, et al. **Przegl Dermatol** 62(6):757–64, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

Turban tumor] Sosnowski A, et al. **Wiad Lek** 29(3):249–52, 1 Feb 76 (Eng. Abstr.) **(Pol)**

[Cutaneous neuroma] Oliveira, et al. **Med Cutan Iber Lat Am** 3(2):161–5, 1975 (Eng. Abstr.) **(Por)**

[Cytological diagnosis of basaliomas of diverse differentiation] Arzumanian GA, et al. **Lab Delo** (8):454–7, 1975 **(Rus)**

[Cytological characteristics of basaliomas] Otsep NM, et al. **Lab Delo** (8):451–4, 1975 **(Rus)**

[The state of the neural apparatus of cutaneous hemangiomas in children of different ages] Kushch ML, et al. **Vopr Onkol** 21(11):14–7, 1975 (Eng. Abstr.) **(Rus)**

[Determination of the histostructure of cutaneous melanoblastomas by cytologic study of smears] Lipova VA, et al. **Vopr Onkol** 21(6):38–44, 1975 (Eng. Abstr.) **(Rus)**

[Premalignant fibroepithelioma tumor of Pinkus] Camacho Martínez F, et al. **Actas Dermosifiliogr** 67(1–2):5–10, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Stromatic reaction in various forms of cutaneous epitheliomas] Carapeto FJ, et al. **Actas Dermosifiliogr** 67(5–6):331–52, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Inflammatory linear epidermic verrucous nevus syndrome (Nevil). Clinico-histological study] de Dulanto F, et al. **Actas Dermosifiliogr** 65(9–10):451–68, Sep–Oct 74 **(Spa)**

[Cutaneous Hodgkin's disease] Fernandez Blasco G, et al. **Actas Dermosifiliogr** 66(11–12):625–30, Nov–Dec 75 **(Spa)**

[Experimental study of keratoacanthoma] Prieto DJ. **An R Acad Nacl Med (Madr)** 92(3):327–38, 1975 **(Spa)**

[Transformation of an intraepidermic epithelioma into spinous cell malpighian epithelioma] Civatte J, et al. **Med Cutan Iber Lat Am** 3(6):451–4, 1975 (Eng. Abstr.) **(Spa)**

[Ultrastructural and cytological study of atypical fibroxanthoma] Ferrando J, et al. **Med Cutan Iber Lat Am** 3(1):37–46, 1975 (Eng. Abstr.) **(Spa)**

[Lymphoblastif lymphoma (contribution to its prognosis)] Nudenberg B, et al. **Med Cutan Iber Lat Am** 3(1):69–72, 1975 (Eng. Abstr.) **(Spa)**

[Darier's photosensitivity disease and its relation to Haber's syndrome] Piñol Aguadé J, et al. **Med Cutan Iber Lat Am** 2(4):299–306, 1974 (Eng. Abstr.) **(Spa)**

[Multiple dermatofibromas with protuberans dermatofibrosarcoma] Sánchez JL, et al. **Med Cutan Iber Lat Am** 3(1):55–8, 1975 (Eng. Abstr.) **(Spa)**

[Malignant melanoma—pathological-anatomical aspects] Jonsson N. **Lakartidningen** 73(7):519–23, 11 Feb 76 (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Electrical potential difference between basal cell carcinoma, benign inflammatory lesions and normal tissue. Woodrough RE, et al. **Br J Dermatol** 92(1):1–7, Jan 75

Epidermal growth control mechanisms, hyperplasia, and tumor promotion in the skin. Marks F. **Cancer Res** 36(7 PT 2):2636–43, Jul 76 (48 ref.)

Blood coagulation studies in children with surface hemangiomas. Dube B, et al. **Int Surg** 60(10):524–5, Oct 75

[A case of unusual ocular alterations in generalized melanoblastoma] Lomičková H, et al. **Cesk Oftalmol** 31(6):403–9, Nov 75 (Eng. Abstr.) **(Cze)**

[Restoration of growth contact inhibition in malignant melanocytes from man, mice, and hamsters] Lipkin G, et al. **Schweiz Med Wochenschr** 105(42):1360–4, 18 Oct 75 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Anti-tumorigenic effect of maleic hydrazide on mouse skin. Akin FJ. **J Agric Food Chem** 24(3):672–4, May–Jun 76

Suppression of ultraviolet light-induced tumor formation by dietary antioxidants. Black HS, et al. **J Invest Dermatol** 65(4):412–4, Oct 75

The inefficacy of riboflavin against ultraviolet-induced carcinogenesis. Pacernick LJ, et al. **J Invest Dermatol** 65(6):547–8, Dec 75

Ability of PABA to protect mammalian skin from ultraviolet light-induced skin tumors and actinic damage. Synder DS, et al. **J Invest Dermatol** 65(6):543–6, Dec 75

Letter: Bicentennial cancer mole. Aliapoulios MA. **JAMA** 235(18):1967, 3 May 76

[Oil keratoses and scrotal cancer, an avoidable occupational disease of the metal turner] Hundeiker M, et al. **Berufsdermatosen** 23(5):174–8, Oct 75 (Eng. Abstr.) **(Ger)**

[The effect of local non-specific sensitization with 2,4-dinitrochlorbenzene on chemical carcinogenesis] Kurtenkov OA, et al. **Vopr Onkol** 21(6):116–20, 1975 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Proceedings: Calcified metastases of an epithelioma of the ovary] Paget C, et al. **J Radiol Electrol Med Nucl** 56(4):363–4, Apr 75 **(Fre)**

RADIOTHERAPY

Initial evaluation of reduced fractionation in the irradiation of malignant epithelial tumors. Greenberg M, et al. **Am J Roentgenol** 126(2):268–78, Feb 76

Initial comparative response to peak pions and x-rays of normal skin and underlying tissue surrounding superficial metastatic nodules. Kligerman MM, et al. **Am J Roentgenol** 126(2):261–7, Feb 76

Treatment of melanotic freckle with x-rays. Kopf AW, et al. **Arch Dermatol** 112(6):801–7, Jun 76

Weekly total skin electron beam therapy for mycosis fungoides and other cutaneous lymphomata: further experience. D'Angio GJ, et al. **Br J Cancer** 31 SUPPL 2:379–85, Mar 75

The treatment of mycosis fungoides and related conditions with particular emphasis on electron therapy. Szur L. **Br J Cancer** 31 SUPPL 2:368–78, Mar 75

An interesting case of possible abscopal effect in malignant melanoma. Kingsley DP. **Br J Radiol** 48(574):863–6, Oct 75

Modification of the radiocurability of a syngeneic murine squamous carcinoma by its site of growth, by electron-affinic drugs, and by ICRF 159. Peters LJ. **Br J Radiol** 49(584):708–15, Aug 76

The radiotherapy of melanoma. Harmer CL. **Clin Exp Dermatol** 1(1):29–36, Mar 76 (17 ref.)

The effects of varied numbers of dose fractions on the tolerance of normal human skin. Brennan D, et al. **Clin Radiol** 27(1):27–32, Jan 76

Clinical application of high activity source afterloading in the United Kingdom. pp. 209–12. Joslin CA. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.**

Keratin granulomas in squamous cell carcinomas treated by irradiation. Reddy CR, et al. **Indian J Cancer** 12(3):327–33, Sep 75

Dermatologic radiotheraphy: selection of radiation qualities and treatment techniques. Goldschmidt H. **Int J Dermatol** 15(3):171–81, Apr 76 (20 ref.)

Radiotherapy of skin epitheliomas with after-loading and radio-iridium wires. Sinistrero G. **Panminerva Med** 18(1–2):68–9, Jan–Feb 76

Dose-time fractionation study in patients with mycosis fungoides and lymphoma cutis. Kim JH, et al. **Radiology** 119(2):439–42, May 76

[4 years of use of a linear accelerator in dermatology] Delaunay M, et al. **Ann Dermatol Syphiligr (Paris)** 102(3):257–69, 1975 (Eng. Abstr.) **(Fre)**

[Role of radiotherapy in the treatment of malignant melanoma of the trunk and limbs. Experience of the radiotherapy service, Institut Bordet (1950–1970)] Regnier R. **Brux Med** 55(8):423–8, Aug 75 **(Fre)**

[Vitality evaluation of malignant melanoma metastases following endolymphatic radionuclide therapy using the Falck-Hillarp method] Paul E, et al. **Hautarzt** 26(6):317–20, Jun 75 (Eng. Abstr.) **(Ger)**

[Skin neoplasms of the ear auricle] Mayer A. **Radiobiol Radiother (Berl)** 16(2):215–20, 1975 (Eng. Abstr.) **(Ger)**

[Exploitation possibilities of characteristic autoradiations for dermatological radiotherapy] Schirren JM. **Strahlentherapie** 150(2):162–83, Aug 75 (Eng. Abstr.) **(Ger)**

[Radiosensitivity of malignant melanoma] von Lieven H, et al. **Strahlentherapie** 152(1):1–4, Jul 76 (Eng. Abstr.) **(Ger)**

[The electron beam therapy by betatron of squamous cell carcinoma of skin (author's transl)] Yanagida H. **Jpn J Dermatol [A]** 84(13):703–23, Dec 74 (85 ref.) **(Jpn)**

[A case of reticulum cell sarcoma of the skin showing abscopal effect during radiotherapy (author's transl)] Matsubara S, et al. **Nippon Acta Radiol** 35(10):860–7, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[For how long should patients be followed up after radiotherapy for skin and labial carcinoma] Swierzowa J, et al. **Nowotwory** 25(4):319–24, 1975 (Eng. Abstr.) **(Pol)**

[Radiotherapy of basal cell carcinoma of the skin at the Provincial Oncological Hospital in Poznań in the years 1953–1959] Ramlau C. **Pol Przegl Radiol** 39(6):715–22, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Therapeutic failures in basal cell carcinomas of the skin with radiation energy (author's transl)] Ramlau C. **Pol Przegl Radiol** 40(1):47–52, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Statistical processing of therapeutic results in skin neoplasms and remarks concerning radiation nomenclature used in dermatological X-ray therapy] Kik A. **Wiad Lek** 28(15):1291–5, 1 Aug 75 **(Pol)**

[Radiobiological analysis of cancer curability depending on the radiotherapy dosage and its timely distribution based on the example of skin cancer] Kholin VV, et al. **Med Radiol (Mosk)** 20(4):37–45, Apr 75 (Eng. Abstr.) **(Rus)**

[Use of Cf252 for treatment of malignant skin neoplasms] Kozlova AV, et al. **Med Radiol (Mosk)** 20(7):78–82, Jul 75 (Eng. Abstr.) **(Rus)**

[Dosimetric basis of combined roentgen and electron therapy of neoplasms of the skin and mucous membranes] Skoropad IuD, et al. **Med Radiol (Mosk)** 20(12):3–7, Dec 75 (Eng. Abstr.) **(Rus)**

[Use of radiotherapy in the treatment of skin carcinoma] Velkov K, et al. **God Zb Med Fak Skopje** 20:295–303, 1974 **(Ser)**

[Our experiences with contact roentgenotherapy in skin carcinoma (author's transl)] Vilček E, et al. **Bratisl Lek Listy** 64(6):720–7, Dec 75 (Eng. Abstr.) **(Slo)**

[Treatment of skin cancer by means of intersitial curietherapie with artificial radioisotopes and using the after-loading technic] Pérez Vázquez JM, et al. **Acta Oncol (Madr)** 11(1):55–67, May–Jun 76 (Eng. Abstr.) **(Spa)**

SURGERY

Laser therapy of human benign and malignant neoplasms of the skin. Wagner RI, et al. **Acta Radiol [Ther] (Stockh)** 14(5):417–23, Oct 75

Chemosurgery for skin cancer: fixed tissue and fresh tissue techniques. Mohs FE. **Arch Dermatol** 112(2):211–5, Feb 76

Cancer of the skin of the nose. Treatment by total skin excision and three-quarter thickness skin graft. Goepfert H, et al. **Arch Otolaryngol** 102(2):90–3, Feb 76

Surgical removal of a big mole of the face and lids and skin grafts used to cover the raw area. Hamed HH. **Bull Ophthalmol Soc Egypt** 68:541–4, 1975

Letter: Squamous cell carcinoma. Urbach F, et al. **CA** 26(1):31, Jan–Feb 76

Malignant melanoma. Role of node dissection reappraised. Southwick HW. **Cancer** 37(1):202–5, Jan 76

Surgical treatment of malignant melanoma. Rosenberg SA. **Cancer Treat Rep** 60(2):159–63, Feb 76

Delayed exposed skin grafting in surgery for breast cancer and melanoma. Rees BI, et al. **Clin Oncol** 1(2):131–9, Jun 75

Cutaneous melanoma. The Queensland experience. Davis NC. **Curr Probl Surg** 13(5):1–63, May 76

Melanotic tumours of the hand. Banzet P, et al. **Hand** 7(2):183–4, Jun 75

Malignant melanoma of the head and neck. pp. 85–91. Bodenham DC. **In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.**

Coverage of large infected defects of skin, galea, periosteum, bone and dura with transposition flaps of skin and galea. pp. 357–61. Krupp S, et al. **In: Chambers RG, et al., ed. Cancer of the head and neck.**

Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Basal cell and squamous cell carcinomas in the orbital region. pp. 75–84. Mustardé JC.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Melanoma. pp. 275–84. Conely J.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.
Surgical management of melanomas of the trunk and extremities. pp. 285–306. Haagensen CD.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.
Basal cell carcinoma of the foot. A case report. Jacobs EL, et al. **J Am Podiatry Assoc** 66(7):554–6, JUL 76
Squamous–cell carcinoma of the finger and nail bed: a review of the literature and treatment by the Mohs' surgical technique. Albom AJ. **J Dermatol Surg** 1(2):43–8, Jun 75
Dermabrasion for showers of seborrheic keratoses. Brown GR, et al. **J Dermatol Surg** 2(3):258–9, Jun 76
Present status of surgical management of malignant melanoma. Harris MN, et al. **J Dermatol Surg** 2(2):129–33, May 76
Recurring basal–cell carcinoma following Mohs' surgery. Kopf AW, et al. **J Dermatol Surg** 1(3):13–5, Oct 75
Excision versus curettage and electrodesiccation as dermatologic office procedures for the treatment of basal–cell carcinomas. Popkin GL, et al.
J Dermatol Surg 1(1):33–5, Apr 75
Mohs' surgery—fresh tissue technique. Robins P, et al.
J Dermatol Surg 1(2):37–41, Jun 75
Excisional electrosurgery (endothermy) in dermatology. Schoch EP. **J Dermatol Surg** 2(3):240–2, Jun 76
Cryosurgery of skin cancer—in proper perspective. Zacarian SA. **J Dermatol Surg** 1(3):33–8, Oct 75
Surgical repair of operative defects after skin cancer excision. Cronin TA. **J Fla Med Assoc** 63(1):71–3, Jan 76
Giant 'bathing trunk' nevus with malignant melanoma treated by excision and split thickness skin grafting. Kosloske AM, et al. **J Pediatr Surg** 10(5):823–5, Oct 75
Treatment of basal cell epitheliomas and actinic keratoses. Jansen GT. **JAMA** 235(11):1152–4, 15 Mar 76
BCG immunotherapy as a systemic adjunct to surgery in malignant melanoma. Morton DL, et al.
Med Clin North Am 60(3):431–9, May 76
Letter: Radical surgery in cancer. Stephens FO.
Med J Aust 2(24):917–8, 13 Dec 75
Results with cryotherapy in skin tumours. Fontana AM, et al. **Panminerva Med** 17(11–12):384–9, Nov–Dec 75
The experience of skin tumours treatment with laser radiation. Gamaleja NF, et al. **Panminerva Med** 17(7–8):238–40, Jul–Aug 75
Cryosurgery in metastatic malignant melanoma. Oeseburg HB, et al. **Panminerva Med** 17(11–12):382–3, Nov–Dec 75
Repair of forehead defects by rotation of local flaps. Worthen EF. **Plast Reconstr Surg** 57(2):204–6, Feb 76
Plantar neuroma: analysis of results following surgical excision in 145 patients. Bradley N, et al. **South Med J** 69(7):853–4, Jul 76
Argon laser management of cutaneous vascular deformities. A preliminary report. Apfelberg DB, et al. **West J Med** 124(2):99–101, Feb 76
The surgical treatment of cutaneous melanoma. Arons MS. **Yale J Biol Med** 48(5):417–22, Nov 75
[Experimental contribution to testing of the capacity of basiliomas to metastatize after repeated therapeutic maltreatment with a scalpel (author's transl)] Trnka J.
Cesk Dermatol 51(1):41–3, Feb 76 (Eng. Abstr.) **(Cze)**
[Time will tell] Zwaveling A. **Ned Tijdschr Geneeskd** 120(3):81–3, 17 Jan 76 **(Dut)**
[Reconstruction of skin defects of the cheek with a large island flap (author's transl)] Lejour M. **Acta Chir Belg** 74(2):183–91, Mar 75 (Eng. Abstr.) **(Fre)**
[Surgical treatment of epitheliomas of the face] Lejour M. **Bull Acad R Med Belg** 128(3):253–70, MAR 73 (Eng. Abstr.) **(Fre)**
[Complete scalp removal for cylindroma] Maillard GF.
Helv Chir Acta 43(1–2):141–2, Mar 76 **(Fre)**
[What will become of untreated hemangiomas?] Moldenhauer E, et al. **Dermatol Monatsschr** 161(12):977–88, Dec 75 (Eng. Abstr.) **(Ger)**
[Dermatome excision of multiple basaliomas of the trunk skin] Konz B. **Hautarzt** 26(12):647–50, Dec 75 (Eng. Abstr.) **(Ger)**
[The treatment of malignant melanoma of the skin at stage I (author's transl)] Baldauf K, et al.
Radiobiol Radiother (Berl) 16(5):517–34, 1975 (93 ref.) (Eng. Abstr.) **(Ger)**
[New surgical procedure for safe ambulatory treatment of smaller skin tumors] Berténvi C. **Z Hautkr** 51(12):507–10, 15 JUN 76 **(Ger)**
[5–year results with N.C. Petersen's surgical management of malignant melanoma] Hirschfeld J, et al. **Z Hautkr** 50(7):281–9, 1 Apr 75 **(Ger)**
[Recurrent liposarcoma of the lower limb] Hofmann H, et al. **Zentralbl Chir** 100(23):1457–9, 1975 **(Ger)**
[Successful surgical treatment of the 'blue rubber bleb' nevus syndrome (viscerocutaneaous hemangiomatosis)] Czinner A, et al. **Orv Hetil** 117(31):1889–90, 1 Aug 76 **(Hun)**
[Cryosurgery in the treatment of skin and mouth mucosa neoplasms] Przywara S, et al. **Pol Przegl Chir** 48(4):487–91, Apr 76 (Eng. Abstr.) **(Pol)**
[Iliac lymph node excision in patients treated for malignant melanoma of the lower limbs] Sniegocki J, et al.
Pol Tyg Lek 31(12):477–80, 22 Mar 76 (Eng. Abstr.) **(Pol)**
[Surgical treatment of skin melanoma] Bazhenova AP.
Khirurgiia (Mosk) (11):26–30, Nov 75 (Eng. Abstr.) **(Rus)**
[Surgical treatment of hemangioma of the skin of the face] Brovkina VV. **Stomatologiia (Mosk)** 55(2):88–90, Mar–Apr 76 **(Rus)**
[Hemangiomas of the skin in children] Kush NL, et al.
Vestn Khir 115(12):65–8, Dec 75 (Eng. Abstr.) **(Rus)**
[Malignant transformation of a pararectal fistula treated radically by local plastic repair] Manuĭlenko BA.
Vestn Khir 114(2):136–7, Feb 75 **(Rus)**
[Destruction of melanoma metastases with a laser] Koshelev VN, et al. **Vopr Onkol** 21(9):98–9, 1975 **(Rus)**
[Comparative evaluation of treatment of skin neoplasms by carbonic acid and neodimium lasers] Lazarev IR.
Zh Eksp Klin Med 15(6):48–52, 1975 **(Rus)**
[Removal of skin and mucous membrance tumors of the ENT organs with a 'laser knife'] Tsyganov AI, et al.
Zh Ushn Nos Gorl Bolezn (5):62–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Some of our views on the surgical treatment of malignant melanoma] Bogdanov B, et al. **Med Pregl** 28(11–12):481–2, 1975 **(Ser)**
[Malignant tumors in the middle third of the face] Stavrić B, et al. **Med Pregl** 28(3–4):171–5, 1975 **(Ser)**
[Melanoma malignum subunguale] Marković L, et al.
Srp Arh Celok Lek 102(12):917–20, Dec 74 (Eng. Abstr.) **(Ser)**
[Giant hemangioma] Varela–Irijoa F, et al. **Angiologia** 27(6):234–8, Nov–Dec 75 (Eng. Abstr.) **(Spa)**
[Views on surgical treatment of malignant melanoma] Jacobsson S. **Lakartidningen** 73(7):530–1, 11 Feb 76 (Eng. Abstr.) **(Swe)**

THERAPY

BCG immunotherapy in patients with malignant melanoma. Karakousis, CP, et al. **Arch Surg** 111(6):716–8, Jun 76
Current trends in malignant melanoma. Kleckner HB, et al. **Ariz Med** 33(6):468–70, Jun 76
Intralesional BCG in the treatment of metastatic malignant melanoma. Mastrangelo MJ, et al. **Cancer** 37(2):684–92, Feb 76
Preliminary observations on tumor regressions induced by local administration of a lymphoid cell culture supernatant fraction in patients with cutaneous metastatic lesions. Papermaster BW, et al. **Clin Immunol Immunopathol** 5(1):31–47, Jan 76
Recent trends in the management of skin cancer. Zacarian SA. **Compr Ther** 1(4):60–4, Aug 75
Schemes on the application of BCG to skin cancer. Hadžiev S, et al. **Folia Med (Plovdiv)** 16(5–6):297–302, 1974
Immunotherapy of human malignant melanoma with oil–attached BCG cell–wall skeleton. Yamamura Y, et al. **Gann** 66(4):355–63, Aug 75
Immunologic approaches to the management of primary and secondary tumors involving the skin and soft tissues: review of a ten–year program. pp. 159–77. Klein E, et al.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.
Therapy for recurrent basal cell carcinoma of the periorbital area. Cottel WI. **J Dermatol Surg** 2(3):179, Jun 76
Complications in the treatment of hemangiomas. Rees TD, et al. **J Dermatol Surg** 1(4):29–32, Dec 75
Recurrent basal cell carcinomas in young women. Robins P, et al. **J Dermatol Surg** 1(1):49–51, Apr 75
Positive therapeutic response to BCG or to its soluble fraction F70 in some patients with carcinoma of the skin, of the breast or of the larynx. Hadžiev S, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 20(1):43–8, 1976
Epilesional scarification. Preliminary report of a new approach to local immunotherapy with BCG. Richman SP, et al. **JAMA** 234(12):1233–5, 22 Dec 75
Letter: Treatment of primary melanoma by intralesional vaccinia before excision. Davis N. **Lancet** 2(7941):922, 8 Nov 75
Treatment of primary melanoma by intralesional vaccinia before excision. Everall JD, et al. **Lancet** 2(7935):583–6, 27 Sep 75
Antibody–dependent cell–mediated cytotoxicity against melanoma cells induced by plasmapheresis. Hersey P, et al. **Lancet** 1(7964):825–8, 17 Apr 76
Letter: Vaccinia treatment of melanoma. Norman RL.
Lancet 2(7940):867, 1 Nov 75
Intralesional immunotherapy of melanoma with BCG. Rosenberg SA, et al. **Med Clin North Am** 60(3):419–30, May 76
The use of oral BCG in the treatment or metastatic malignant melanoma. Pritchard KI, et al. **Med Pediatr Oncol** 2(2):173–81, 1976
Letter: Chemoimmunotherapy of malignant melanoma.
N Engl J Med 292(3):159–60, 16 Jan 75
Modification of fibrosarcomas and squamous cell carcinomas of mouse skin using various tissue extracts. Winkle SA, et al. **Nature** 260(5546):48–9, 4 Mar 76
Attempt with immunotherapy to control metastatic skin nodules from breast cancer by B.C.G. Garas J, et al.
Panminerva Med 17(5–6):193–5, May–Jun 75
Hyperbaric hydrogen therapy: a possible treatment for cancer. Dole M, et al. **Science** 190(4210):152–4, 10 Oct 75
[Active immunotherapy in patients with malignant melanoma (preliminary report)] Tonković I, et al. **Lijec Vjesn** 97(10):561–6, Nov 75 (Eng. Abstr.) **(Cro)**
[Use of immunotherapy in the treatment of malignant melanoma of the skin] Kristensen E. **Ugeskr Laeger** 138(8):468–73, 16 Feb 76 (Eng. Abstr.) **(Dan)**
[Treatment of mycosis fungoides and malignant skin reticuloses] Puissant A, et al. **Ann Med Interne (Paris)** 126(1):39–44, Jan 75 **(Fre)**
[Treatment of cutaneous nevocarcinomas] Banzet P, et al.
J Chir (Paris) 111(3):347–54, Mar 76 (Eng. Abstr.) **(Fre)**
[Melanoma therapy] Kleeberg UR.
Dtsch Med Wochenschr 101(23):904–8, 4 Jun 76 **(Ger)**
[Treatment of malignant melanoma (clinical stages I and II) (author's transl)] Tonak J, et al. **Dtsch Med Wochenschr** 101(12):435–50, 19 Mar 76 (Eng. Abstr.) **(Ger)**
[Therapy of malignant melanoma] Stein G. **Fortschr Med** 93(22–23):1060–5, 14 Aug 75 (Eng. Abstr.) **(Ger)**
[BCG–treatment of malignant melanoma] Borberg H.
Internist (Berlin) 16(10):482–5, Oct 75 **(Ger)**
[On therapy planning in malignant melanoma (author's transl)] Baldauf K, et al. **Radiobiol Radiother (Berl)** 16(1):51–5, 1975 **(Ger)**
[Conservative treatment of hemangiomas of the skin in children in the light of clinical and histological observations] Iwaniukowicz A. **Pol Przegl Chir** 47(9A):27–33, Sep 75 (Eng. Abstr.) **(Pol)**
[Partial synchronization of proliferative cell cycle following administration of cytostatics and followed by radiotherapy in the treatment of inoperable skin neoplasms] Kik A.
Przegl Dermatol 63(1):87–93, Jan–Feb 76 (23 ref.) **(Pol)**
[Organization of oncological aid to patients with cancer of the facial skin (based on materials collected in the Azerbaijan SSR] Abbasov AT, et al.
Stomatologiia (Mosk) 54(3):96–8, May–Jun 75 **(Rus)**
[Principles of modern therapy of primary skin reticulosis] Potekaev NS, et al. **Vestn Dermatol Venerol** (2):8–14, Feb 74 (Eng. Abstr.) **(Rus)**
[Results of the complex treatment of melanoblastoma of the lower extremities] Levin AO. **Vopr Onkol** 21(8):17–21, 1975 (Eng. Abstr.) **(Rus)**
[Non–surgical treatment of melanoma] Andersson T.
Lakartidningen 73(7):532–4, 11 Feb 76 (Eng. Abstr.) **(Swe)**
[Treatment of mycosis fungoides—an internordic project] Molin L, et al. **Nord Med** 91(4):121–2, Apr 76 **(Swe)**

URINE

Urinary excretion of 5–S–cysteinyldopa in patients with primary melanoma or melanoma metastasis. Agrup G, et al. **Acta Derm Venereol (Stockh)** 55(5):337–41, 1975
Demonstration of 3–methoxytyrosine in the urine of melanoma patients. Agrup G, et al.
Acta Derm Venereol (Stockh) 56(1):27–31, 1976
Clinical evaluation of a method of quantitative determination of homovanillic acid for the estimation of degree of tumor dissemination process in melanoma of the skin. Trapeznikov NN, et al. **Cancer** 36(6):2064–8, Dec 75 (18 ref.)
[1st studies on urinary polyamine excretion in malignant dermatoses] Rodermund OE, et al. **Z Hautkr** 50(7):273–9, 1 Apr 75 **(Ger)**

VETERINARY

Dermal papillomas in the racing greyhound. Davis PE, et al. **Australas J Dermatol** 17(1):13–6, Apr 76
Are tumors in Atlantic eels caused by exogenic agents? pp. 137–44. Deys BF.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (15 ref.)
A study of epithelioma in the Atlantic salmon (S. salar). pp. 443–4. Carlisle JC.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.
Intracutaneous cornifying epithelioma (keratoacanthoma) in the dog: a retrospective study of 25 cases. Stannard AA, et al. **J Am Vet Med Assoc** 167(5):385–8, 1 Sep 75
Basal cell tumors in dogs. Strafuss AC.
J Am Vet Med Assoc 169(3):322–4, 1 Aug 76
Histological studies on canine pigmented moles. The comparative pathology of the naevus problem. Kraft I, et al. **J Comp Pathol** 86(1):143–55, Jan 76
Malignant epithelial neoplasia with hair follicle differentiation in dogs. Malignant pilomatrixoma. Sells DM, et al.
J Comp Pathol 86(1):121–9, Jan 76
Papillomas in black and white colobus monkeys (Colobus polykomus). Boever WJ, et al. **J Wildl Dis** 12(2):180–1, Apr 76
A case report of an epidermal papilloma in Mustelus canis. Wolke RE, et al. **J Wildl Dis** 12(2):167–71, Apr 76
Cryotherapy of equine sarcoid and other lesions. Farris HE, et al. **Vet Med Small Anim Clin** 71(3):325–9, Mar 76
A basal cell epithelioma in an African lion. White GL.
Vet Med Small Anim Clin 70(9):1096, Sep 75
[A case of skin leucosis in practice (author's transl)] Gol R.
Tijdschr Diergeneeskd 100(16):893, 15 Aug 75 **(Dut)**
[Pathological anatomy and histology of spontaneous, epithelial skin tumors in Mastomys natalensis] Rudolph R, et al. **Zentralbl Veterinaermed** [A] 23(05):429–41, Jul 76 (Eng. Abstr.) **(Ger)**

SKIN PIGMENTATION

Carotenemic, skin colour and diabetes mellitus. Hoerer E, et al. **Acta Diabetol Lat** 12(3–4):202–7, May–Aug 75
The relationship between the cephalo–pedal progress of

clinical icterus and the serum bilirubin concentration in newborn infants without blood type sensitization. Ebbesen F. **Acta Obstet Gynecol Scand** 54(4):329–32, 1975

The evolutionary significance of vitamin D, skin pigment, and ultraviolet light. Neer RM. **Am J Phys Anthropol** 43(3):409–16, Nov 75

A quantitative and morphological study of the pigmentary system of the chimpanzee with the light and electron microscope. Post PW, et al. **Am J Phys Anthropol** 43(3):435–43, Nov 75

Role of light in human skin color viariation. Quevedo WC, et al. **Am J Phys Anthropol** 43(3):393–408, Nov 75

Environmental correlations of skin colour. Roberts DF, et al. **Ann Hum Biol** 3(1):11–22, Jan 76

Racial differences in pigmentation and natural selection. Deol MS. **Ann Hum Genet** 38(4):501–3, May 75

Pigmentary demarcation lines. Comparison of Negroes with Japanese. Selmanowitz VJ, et al. **Br J Dermatol** 93(4):371–7, Oct 75

A method of eliminating errors in the perception of skin colour. Acland RD. **Br J Plast Surg** 29(1):97–8, Jan 76

Comparisons of breast pigmentation among women of different racial groups. Pawson IG, et al. **Hum Biol** 47(4):441–50, Dec 75

Distribution of pigment on the arms of Negroes. Futcher PH. **Int J Dermatol** 15(2):142–4, Mar 76

Pigmented epidermal cyst. Fieselman DW, et al. **J Cutan Pathol** 1(6):256–9, 1974

Light and electron microscopic study of Riehl's melanosis. Possible mode of its pigmentary incontinence. Nagao S, et al. **J Cutan Pathol** 1(4):165–75, 1974

Melanoblast–tissue interactions and the development of pigment pattern in Xenopus larvae. Macmillan GJ. **J Embryol Exp Morphol** 35(3):463–84, Jun 76

The induction of melanogenesis by ultraviolet light in the pigmentary system of Rhesus monkeys. Erickson KL, et al. **J Invest Dermatol** 65(3):279–84, Sep 75

Melanogenesis from topical mechlorethamine and analogues in skin of hairless mice and in vitiligo. Van Scott EJ, et al. **J Invest Dermatol** 65(5):476–8, Nov 75

Letter: Skin color and HLA. Webb HB. **N Engl J Med** 294(13):732, 25 Mar 76

Skin pigmentation. Current concepts and relevance to plastic surgery. Morgan JE, et al. **Plast Reconstr Surg** 56(6):617–28, Dec 75 (118 ref.)

Skin pigmentation variability. Leguebe A. **Z Morphol Anthropol** 67(2):181–92, May 76

[Copper, iron and magnesium content of the skin of albino, white, brown and black cattle] Cancedda M. **Boll Soc Ital Biol Sper** 51(13):775–80, 15 Jul 75 **(Ita)**

[1st studies of the fluorescence of the cells of the pigmentary system embedded in 10% solution of aqueous formalin] Sacchi S, et al. **Riv Istochim Norm Patol** 18(1–4):145, 1974 **(Ita)**

DRUG EFFECTS

The effect of prolactin on color and skin pteridines in the frog, Rana pipiens. Brown PS. **Gen Comp Endocrinol** 28(4):426–33, Apr 76

Effects of roxarsone on pigmentation and coccidiosis in broilers. Kowalski LM, et al. **Poult Sci** 54(5):1544–9, Sep 75

[Atrophic striae] Resina O, et al. **Actas Dermosifiliogr** 66(5–6):293–304, May–Jun 75 **(Spa)**

[Effect of melatonin and two synthetic derivatives of the colouring of amphibies (author's transl)] Rabadán F, et al. **Arch Farmacol Toxicol** 1(3):253–8, Dec 75 (Eng. Abstr.) **(Spa)**

SKIN SYPHILIS see **SYPHILIS, CUTANEOUS**

SKIN TEMPERATURE

Dynamics of the skin temperature asymmetry and its prognostic value during the first day after replantation of extremities. Uratkov EF, et al. **Acta Chir Plast (Praha)** 17(4):219–30, 1975

Metabolic reactions to changes in core and skin temperature in man. Nielsen B. **Acta Physiol Scand** 97(1):129–38, Mar 76

Temperature measurements and photoelectric plethysmography in the evaulation of acute and long–term effects of acupuncture upon vasomotor activity of hand skin: a methodological study. Laitinen J. **Am J Chin Med** 4(1):61–8, Spring 76

Skin temperatures at the nape in infants at high altitude. Dufour DL, et al. **Am J Phys Anthropol** 44(1):91–3, Jan 76

Cutaneous heat flow during heating and cooling in Alligator mississipiensis. Smith EN. **Am J Physiol** 230(5):1205–10, May 76

Central nervous responses to cooling and warming of the rat scrotal skin. Hellon RF. **Arch Sci Physiol (Paris)** 27(4):371–83, 1973

The skin temperature distribution for resting man in comfort. Olesen BW, et al. **Arch Sci Physiol (Paris)** 27(4):385–93, 1973

Cutaneous blood flow. A comparative study between the thermal recovery method and the radioxenon clearance method. Tavares CM, et al. **Bibl Anat** 13:145–6, 1975

The influence of skin temperature on thermoregulation. Frens J. **Bibl Radiol** (6):218–23, 1975

Environmental factors affecting skin temperatures. Houdas Y, et al. **Bibl Radiol** (6):157–65, 1975

Thermal patterns of the healthy female breast. Physical and physiological considerations. Jones CH. **Bibl Radiol** (6):57–64, 1975

A mathematical simulation model of the skin for evaluation of surface temperature gradients resulting from local variations in metabolism and blood flow. Stolwijk JA. **Bibl Radiol** (6):151–6, 1975

Mean skin temperature during anaesthesia: an assessment of formulae in the supine surgical patient. Shanks CA. **Br J Anaesth** 47(8):871–5, Aug 75

Coding of steady and transient temperatures by cutaneous 'cold' fibers serving the hand of monkeys. Dykes RW. **Brain Res** 98(3):485–500, 21 Nov 75

Monitoring of core temperature through the skin: A comparison with esophageal and tympanic temperatures. Singer B, et al. **Bull NY Acad Med** 51(8):947–52, Sep 75

Thermographically measured normal skin temperature asymmetry in the human male. Silberstein EB, et al. **Cancer** 36(4):1506–10, Oct 75

Radiative surface temperatures of exercising polar bears. Oritsland NA, et al. **Comp Biochem Physiol [A]** 53(4):327–30, 1976

Low nosetip temperatures in the old. Benians RG. **Gerontol Clin (Basel)** 17(3):137–45, 1975

Peripheral neural determinants in the sensing of changes in skin temperature. pp. 23–37. Darian–Smith I, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Cutaneous thermoreceptors and thermal nociceptors. pp. 5–22. Iggo A, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975 (44 ref.)

The skin temperature distribution for resting man in comfort. pp. A385–93. Olesen BW, et al. **In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.**

Evaluation of surface temperature gradients. pp. 40–51. Stolwijk JA. **In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.**

Cold–induced shivering in men with thermoneutral skin temperatures. Buguet AG, et al. **J Appl Physiol** 41(2):142–5, Aug 76

A shower spray facility for accurate control and rapid changes of skin temperature. Callin GD. **J Appl Physiol** 40(4):641–3, Apr 76

Effects of temperature and wind on facial temperature, heart rate, and sensation. LeBlanc J, et al. **J Appl Physiol** 40(2):127–31, Feb 1976

Peripheral body temperature and thermogenic drinking in cold–treated rats. Nelson EL Jr, et al. **J Appl Physiol** 39(6):965–8, Dec 75

Sweating responses during changes of hypothalamic temperature in the rhesus monkey. Smiles KA, et al. **J Appl Physiol** 40(5):653–7, May 76

Effect of lumbar sympathetic blockade and chlorpromazine–induced adrenergic alpha–receptor blockade on skin temperature in peripheral arterial diseases. Holm J, et al. **J Cardiovasc Surg (Torino)** 17(1):69–71, Jan–Feb 76

Responses of spinal cord neurons to systematic changes in hindlimb skin temperatures in cats and primates. Burton H. **J Neurophysiol** 38(5):1060–79, Sep 75

Proceedings: Thermographic observations of skin temperatures of trained and untrained runners. Cena K, et al. **J Physiol (Lond)** 257(1):8P–9P, May 76

Unit responses in the medulla oblongata of rabbit to changes in local and cutaneous temperature. Inoue S, et al. **J Physiol (Lond)** 259(2):339–56, Jul 76

Proceedings: Effect of local vibratory stimulation on skin temperature in man. Nasu Y, et al. **J Physiol Soc Jpn** 36(8–9):391, 1 Sep 74

Proceedings: Effects of spinal temperature on gamma motor neurons, and interaction between spinal temperature and skin temperature. Sato H. **J Physiol Soc Jpn** 36(8–9):267–8, 1 Sep 74

Proceedings: Skin temperature fluctuation in rabbits exposed to cold. Ueda G, et al. **J Physiol Soc Jpn** 36(8–9):395–6, 1 Sep 74

Prediction of prognosis in open–heart–surgery by regional difference in leg surface temperature. Seki S, et al. **Jpn J Surg** 5(2):65–72, Jun 75

An application of aeronautical techniques to physiology. 1. The human microenvironment and convective heat transfer. Clark RP, et al. **Med Biol Eng** 12(3):270–4, May 74

The use of differential skin–temperature measurements in the evaluation of post–traumatic oedema control. Hambury HJ, et al. **Med Biol Eng** 13(2):202–8, Mar 75

The effect of external pressure on skin temperature distribution by thermography. Goller H, et al. **Med Res Eng** 12(1):6–8, 1976

Effects of instructed imagery on temperature on hands. Dugan M, et al. **Percept Mot Skills** 42(1):14, Feb 76

Thermometry of the surface of human skin. A study on a model using thermocouples, thermistors, thermovision and thermodyes. Flesch U, et al. **Phys Med Biol** 21(3):422–8, May 76

Skin temperature over an artificial heat source implanted in man. Nilsson SK. **Phys Med Biol** 20(3):366–83, May 75

The simulation of skin temperature distributions by means of a relaxation method. Vermey GF. **Phys Med Biol** 20(3):384–94, May 75

Instrumental control of peripheral vasomotor responses in children. Lynch WC, et al. **Psychophysiology** 13(3):219–21, May 76

Digital temperature autoregulation and associated cardiovascular changes. Surwit RS, et al. **Psychophysiology** 13(3):242–8, May 76

[Changes in the skin temperature during extracorporeal circulation and in the early postoperative period] Barta E, et al. **Rozhl Chir** 54(10):698–703, Oct 75 (Eng. Abstr.) **(Cze)**

[Evolution of rectal and cutaneous temperatures after muscular exercise performed in air temperatures between 10 and 30 degrees C] Candas V, et al. **Arch Sci Physiol (Paris)** 27(3):239–46, 1973 **(Fre)**

[Thermal cutaneous reactions in man after exposure to heat] Gautherie M, et al. **Arch Sci Physiol (Paris)** 27(3):213–24, 1973 **(Fre)**

[Cutaneous circulation and heat exchange in altitude (3,800 m)] Raynaud J, et al. **Arch Sci Physiol (Paris)** 27(3):247–54, 1973 **(Fre)**

[Thermogenesis of mammary epitheliomas. III. Study, by means of fluvography, of the termal conductivity of mammary tissue and of the influence of tumor vascularization] Gautherie M, et al. **Biomedicine** 22(3):237–45, May 75 **(Fre)**

[Physical model for determination of total and local heat exchange coefficients by convection; influence of posture] pp. A35–43. Binnert Y, et al. **In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.** **(Fre)**

[Effect of experimentally induced changes in blood flow on the heat and electrical conductivity of the skin] Fraudendorf H, et al. **Acta Biol Med Ger** 34(5):923–31, 1975 (Eng. Abstr.) **(Ger)**

[Thermometric studies on microcirculation of the skin in diabetes mellitus] Marckardt V, et al. **Dermatol Monatsschr** 161(8):628–34, Aug 75 (Eng. Abstr.) **(Ger)**

[Influence of underwater massage on the re–warming, thermal conductivity and blood supply of the skin in progressive scleroderma] Meffert H, et al. **Dermatol Monatsschr** 161(7):551–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Measurement of skin temperature with the resistance thermometer, Thermophil] Wozniak KD, et al. **Dermatol Monatsschr** 162(7):577–84, Jul 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Cortical development from the point of vegetative functional changes during sleep] Matsumoto J, et al. **J Physiol Soc Jpn** 36(8–9):281–2, 1 Sep 74 **(Jpn)**

[The rhythmicity of physiologic changes in the functional state of the visual and skin temperature analyzers in man] Kurilova LM. **Fiziol Zh SSSR** 61(4):554–62, Apr 75 (Eng. Abstr.) **(Rus)**

[Skin thermometry in acute pyelonephritis] Evlanov AP. **Urol Nefrol (Mosk)** (5):52–3, Sept–Oct 75 **(Rus)**

[Temperature index of circulation in patients with eczema] Levin MM, et al. **Vestn Dermatol Venerol** (2):31–5, Feb 74 **(Rus)**

[Thermoregulatory reflex to cold in patients with chronic vesicular dermatoses] Torsuev NA, et al. **Vestn Dermatol Venerol** (1):28–30, Jan 74 **(Rus)**

[Effect of repeated coolings on the skin temperature of the lower extremities] Zhuravlev IuN. **Voen Med Zh** (1):57–9, Jan 76 **(Rus)**

[Method of study of body's heat exchange with the environment through the skin] Karlov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):457–9, Sep–Oct 75 **(Rus)**

[Skin temperature topography and the thermoreflex in atherosclerotic psychosis] Aminov KhA. **Zh Nevropatol Psikhiatr** 76(3):409–12, 1976 **(Rus)**

[Skin temperature and the hot water test in the diagnosis of injuries to the median, ulnar and tibial nerves] Bersnev VP. **Zh Nevropatol Psikhiatr** 76(6):835–41, 1976 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effects of hormones on the skin temperature of normal and cancerous breasts. pp. 178–81. Mansfield CM, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

[Evaluation of topical corticosteroids. Effects on skin temperature and placebo effect (author's transl)] Durocher LP, et al. **Dermatologica** 151(3):168–76, 1975 (Eng. Abstr.) **(Fre)**

SKIN TESTS

[The importance of radio–allergo–sorbent–test in comparison with intracutaneous test in diagnosis of allergic diseases] Schneeberger HW, et al. **Acta Allergol (Kbh)** 30(6):GER, Dec 75 (Eng. Abstr.)

Patch testing, tuberculin testing and sensitization with dinitrochlorobenzene and nitrosodimethylanilini of patients with atopic dermatitis. Forsbeck M, et al. **Acta Derm Venereol (Stockh)** 56(2):135–8, 1976

Evaluation of the slide-latex agglutination and intradermal (Casoni) tests for echinococcosis. Hoghooghi N, et al. **Am J Trop Med Hyg** 25(4):660–1, Jul 76

Nonspecific reactions with the intradermal test for hydatidosis in persons with other helminth infections. Schantz PM, et al. **Am J Trop Med Hyg** 24(5):849–52, Sep 75

Comparative sensitivity and specificity of the Casoni intradermal and the immunoelectrophoresis tests for the diagnosis of hydatid disease. Yarzábal LA, et al. **Am J Trop Med Hyg** 24(5):843–8, Sep 75

Editorial: Intradermal tests for allergy. **Anaesth Intensive Care** 4(2):95–6, May 76

Intradermal testing after severe histamine reactions to intravenous drugs used in anaesthesia. Fisher MM. **Anaesth Intensive Care** 4(2):97–104, May 76

Letter: Comparison of skin test and RAST in the diagnosis of atopic hypersensitivity. Boggs PB. **Ann Allergy** 37(1):75–6, Jul 76

Comparison of skin tests and RAST in the diagnosis of atopic hypersensitivity. Collins-Williams C, et al. **Ann Allergy** 36(3):161–4, Mar 76

Relationship among skin tests, bronchial challenge and serology in house dust and Candida albicans allergic asthma. Kurimoto Y. **Ann Allergy** 35(3):131–41, Sep 75

Lack of interference in skin tests by histamine in food extracts. May CD. **Ann Allergy** 37(1):8–11, Jul 76

Immediate skin-test reactivity in a general population sample. Barbee RA, et al. **Ann Intern Med** 84(2):129–33, Feb 76 (17 ref.)

Respiratory disorders and allergy skin-test reactions. Burrows B, et al. **Ann Intern Med** 84(2):134–9, Feb 76

Letter: Age and skin reactivity. Greenwood JW. **Ann Intern Med** 84(6):755, Jun 76

The Kveim test: analysis of results of tests using colindale (K 12) materials. Bradstreet CM, et al. **Ann NY Acad Sci** 278:681–6, 1976

The Edinburgh spleen: source of a validated Kveim-Siltzbach test material. Douglas AC, et al. **Ann NY Acad Sci** 278:670–80, 1976

Immunological studies in sarcoidosis: a comparison of in vivo and in vitro Kveim tests. Hardt F, et al. **Ann NY Acad Sci** 278:711–6, 1976

Experience with a Dutch kveim suspension in men and guinea pigs. Kooy R, et al. **Ann NY Acad Sci** 278:717–21, 1976

Qualities and behavior of satisfactory Kveim suspensions. Siltzbach LE. **Ann NY Acad Sci** 278:665–9, 1976

International Kveim histology trial. Williams WJ, et al. **Ann NY Acad Sci** 278:687–99, 1976

Comparative in vitro reactivities of leukocytes from sarcoids and normals to different Kveim preparations. Zweiman B, et al. **Ann NY Acad Sci** 278:700–10, 1976

Dinitrochlorobenzene skin sensitization and peripheral lymphocyte count: predictors of survival in head and neck cancer. Maisel RH, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):517–22, Jul-Aug 76

Kala-azar in Ethopia I: Leishmanin skin test in Setit Humera, a kala-azar endemic area in northwestern Ethopia. Fuller GK, et al. **Ann Trop Med Parasitol** 70(2):147–63, Jun 76

Pustular patch test reactions in atopic dermatitis. Uehara M, et al. **Arch Dermatol** 111(9):1154–7, Sep 75

Thermography and vasomotor test. Selig D, et al. **Bibl Radiol** (6):191–202, 1975

The deoxyribonucleic acid (DNA) skin test in systemic lupus erythematosus. I. Clinical evaluation. Johansson EA, et al. **Br J Dermatol** 93(4):443–50, Oct 75

The deoxyribonucleic acid (DNA) skin test in systemic lupus erythematosus. 2. Histological findings. Johansson EA, et al. **Br J Dermatol** 93(4):451–7, Oct 75

Selection of skin tests in childhood asthma. Russell G, et al. **Br J Dis Chest** (2):104–6, Apr 76

Letter: Incidence of dermographism. Johnson RF. **Br Med J** 1(6024):1533–4, 19 Jun 76

Tests with three antigens in leprosy-endemic and non-endemic areas. Convit J, et al. **Bull WHO** 52(2):193–8, 1975

Specificity of the 48-hour reaction to Mitsuda antigen. Use of a soluble antigen from human and armadillo lepromin. Convit J, et al. **Bull WHO** 52(2):187–91, 1975

Letter: Constrictive pericarditis and pericardial calcification with positive histoplasmin skin test. Bilgi C, et al. **Can Med Assoc J** 114(10):887, 879, 882, 22 May 76

Characteristics of a xenogeneic lymphocyte transfer reaction: its use in the study of graft versus host capability of mouse lymphoid cells from various anatomic sites. Catanzaro PJ, et al. **Cell Immunol** 22(1):140–51, 1 Mar 76

Leukocyte-migration inhibition in guinea pigs. I. Correlation with skin test reactivity and macrophage-migration inhibition. Hoffman PM, et al. **Cell Immunol** 21(2):358–63, Feb 76

An evaluation of the peripheral leukocyte migration inhibition test as a correlate of delayed cutaneous hypersensitivity. Ramsey EW, et al. **Cell Immunol** 23(2):334–41, May 76

Delayed cutaneous hypersensitivity reactions to concanavalin A-binding tumour membrane components. Cunningham TJ, et al. **Clin Exp Immunol** 21(1):97–100, Jul 75

The relationship of the P-K titre to the serum IgE level in patients with leprosy. Hamburger RN, et al. **Clin Exp Immunol** 17(2):253–60, Jun 74

Serum IgE levels and reaginic-type skin reactions in sarcoidosis. Yagura T, et al. **Clin Exp Immunol** 21(2):289–97, Aug 75

Immunohistological development of the Kveim reaction. Hannuksela M, et al. **Dermatologica** 151(6):354–8, 1975

Influence of local triamcinolone acetonide on patch test reactions to nickel sulfate. Smeenk G. **Dermatologica** 150(2):116–21, 1975

A comparative study of skin tests and determination of the serum level of specific IgE immunoglobulins by means of the radioallergosorbent test in subjects with atopy. Waterman AH, et al. **Dermatologica** 152(2):100–8, 1976

Cutaneous leishmaniasis in Kenya: Montenegro skin test in leishmaniasis foci and presumably leishmania-free areas. Mutinga MJ, et al. **East Afr Med J** 52(6):333–9, Jun 75

An in vitro method for assaying sensitivity to 2,4-dinitrochlorobenzene (DNCB) in man. Whitehead RH, et al. **Eur J Cancer** 10(11):721–4, Nov 74

Drug hypersensitivity: a comparative study of in vitro lymphocyte stimulation test with in vivo skin window technique and other skin tests. Saha K, et al. **Indian J Med Res** 63(8):1110–24, Aug 75

Natural Schick conversion in children in two areas of Calcutta. Chakraborty AK, et al. **Indian Pediatr** 12(5):375–80, May 75

Comparison of mouse strain skin sensitivities to anaphylactic mediators and susceptibility to passive cutaneous anaphylactic reactions. Justus DE, et al. **Infect Immun** 13(2):413–6, Feb 76

Preparative isotachophoretic separation of skin test antigens from blastomycin purified derivative. Lancaster MV, et al. **Infect Immun** 13(3):758–62, Mar 76

Discrepancy between skin reactivity and blastogenic activity of fractionated PHA-P. Kuroume T, et al. **Int Arch Allergy Appl Immunol** 50(4):385–401, 1976

Skin reaction, inhibition of macrophage migration, and lymphocyte transformation with tuberculin active peptide (TAP) and arabinogalactan obtained from tubercle bacilli. Niinaka T, et al. **Int Arch Allergy Appl Immunol** 49(5):585–96, 1975

Adjuvant effect of lysolecithin analogues on the development of contact sensitivity in mice. Strannegård O, et al. **Int Arch Allergy Appl Immunol** 51(2):198–205, 1976

Dermatologic testing of household laundry products: a novel fabric softener. Weaver JE. **Int J Dermatol** 15(4):297–300, May 76

The Kveim test in leprosy. Krishnamurthy S, et al. **Int J Lepr** 43(4):333–8, Oct-Dec 75

Studies on cutaneous sensitivity to cement. Mezzadra G, et al. **Ital Gen Rev Dermatol** 11(2):103–9, May-Aug 74

The stability of short ragweed pollen extract as measured by skin test and antigen E. Franklin RM, et al. **J Allergy Clin Immunol** 58(1 PT 1):51–9, Jul 76

Cutaneous immediate hypersensitivity in man: effects of systemically administered adrenergic drugs. Kram JA, et al. **J Allergy Clin Immunol** 56(5):387–92, Nov 75

Effect of beta adrenergic stimulation and blockade on cutaneous reactivity to histamine. Lamkin N Jr, et al. **J Allergy Clin Immunol** 57(5):449–53, May 76

Factors which influence late cutaneous allergic responses. Umemoto L, et al. **J Allergy Clin Immunol** 58(1 PT 1):60–8, Jul 76

The late phase of the immediate wheal and flare skin reaction. Its dependence upon IgE antibodies. Solley GO, et al. **J Clin Invest** 58(2):408–20, Aug 76

Skin test and blastogenic responses to Sporotrichun schenckii. Steele RW, et al. **J Clin Invest** 57(1):156–60, Jan 76

The value of the skin test in the diagnosis of bilharziasis in Egypt. Saif M, et al. **J Egypt Med Assoc** 58(1-2):90–3, 1975

Antibody-mediated basophil accumulations in cutaneous hypersensitivity reactions of guinea pigs. Askenase PW, et al. **J Immunol** 117(1):216–24, Jul 76

Desensitization: effects on cutaneous and peritoneal manifestations of delayed hypersensitivity in relation to lymphokine production. Sonozaki H, et al. **J Immunol** 115(6):1657–61, Dec 75

The inhibition of cutaneous basophil hypersensitivity reactions by a heterologous anti-guinea pig T cell serum. Stadecker MJ, et al. **J Immunol** 116(6):1646–51, Jun 76

Cutaneous sensitivity and in vitro responsiveness of lymphocytes in patients with disseminated coccidioidomycosis. Opelz G, et al. **J Infect Dis** 132(3):250–5, Sep 75

Patch testing of coolant fractions. Menter P, et al. **J Occup Med** 17(9):565–8, Sep 75

Letter: Patch testing of coolant fractions. Savin RC. **J Occup Med** 18(1):5–6, 54, Jan 76

Cutaneous delayed hypersensitivity in a healthy pediatric population: diagnostic value of diptheria-tetanus toxoids. Franz ML, et al. **J Pediatr** 88(6):975–7, Jun 76

Skin test with tumor extract in bronchogenic carcinoma: a preliminary study. Marabella PC, et al. **J Surg Oncol** 7(4):299–301, 1975

Editorial: Immunodiagnosis of tropical infections. Draper CC. **J Trop Med Hyg** 79(2):23–4, Feb 76

The Montenegro reaction in guinea pigs infected by Leishmania enriettii and the effect of antigens prepared from various Leishmania isolates. Neal RA, et al. **J Trop Med Hyg** 79(2):32–7, Feb 76

Skin reaction and macrophage migration inhibition tests for polysaccharides from Aspergillus fumigatus and Candida albicans. Suzuki M, et al. **Jpn J Microbiol** 19(5):355–62, Oct 75

A simple light meter for use in dermatology. Diffey BL, et al. **Med Biol Eng** 14(1®760310–760415–3):101–2, Jan 76

Antigen deterioration rate of aqueous ragweed pollen extract. Dockhorn RJ, et al. **Mo Med** 72(9):550–2, Sep 75

Considerations on the value of allergic cutaneous tests in the diagnosis of uveitis and its therapeutic management. Algan B, et al. **Mod Probl Ophthalmol** 16:265–6, 1976

Letter: Skin tests. **N Engl J Med** 293(21):1104–5, 20 Nov 75

Letter: Dinitrochlorobenzene test for anergy. **N Engl J Med** 294(6):339–40, 5 Feb 76

Letter: Kveim test in sarcidosis. Siltzbach LE. **N Engl J Med** 293(21):1103–4, 20 Nov 75

Letter: Skin tests: cause of induration. Weston WL, et al. **N Engl J Med** 295(5):282, 29 Jul 76

Therapeutic implications of cellular immune defects in operable cancer patients revealed by dinitrochlorobenzene skin contact sensitivity. Ketcham AS, et al. **Panminerva Med** 17(5–6):174–8, May-Jun 75

Letter: Why wasn't the mother skin tested? Abernathy RS. **Pediatrics** 58(1):141, Jul 76

Skin testing for prognosis or therapy formulation in cancer patients: caveat emptor. Mandel MA. **Plast Reconstr Surg** 57(6):743, Jun 76

Carcinoembryonic antigen and skin test reactivity in tumor radiotherapy. Vider M, et al. **Radiology** 119(3):677–81, Jun 76

Screening of cellular immunity in patients with rheumatoid arthritis by phytohaemagglutinin skin test. Kaćaki J, et al. **Rheumatology** 6:72–9, 1975

Delayed hypersensitivity skin testing for assessing anergy in the mid-south Stimpson PG, et al. **South Med J** 69(4):424–6, Apr 76

Complement fixation and intradermal skin test with partially purified 'proteic' and 'polysaccharidic' antigens from Leishmania donovani. La Placa M, et al. **Trans R Soc Trop Med Hyg** 69(4):396–8, 1975

Studies on Mediterranean leishmaniasis. IV. The leishmanin skin test in cutaneous leishmaniasis. Pampiglione S, et al. **Trans R Soc Trop Med Hyg** 70(1):62–5, 1976

Leishmaniasis in Brazil: X. Some observations of intradermal reactions to different trypanosomatid antigens of patients suffering from cutaneous and mucocutaneous leishmaniasis. Shaw JJ, et al. **Trans R Soc Trop Med Hyg** 69(3):323–35, 1975

[Value and limitations of hypersensitivity reactions as applied to the diagnosis of helminthiasis] Vernes A. **Ann Soc Belg Med Trop** 55(5):455–68, 1975 **(Fre)**

[Epidemiology of contact dermatitis in Geneva (1,000 cases) (author's transl)] Brun R. **Dermatologica** 150(4):193–9, 1975 (Eng. Abstr.) **(Fre)**

[Study on Kveim's test. Positive tests in agammaglobulinemia. Comparison with TTL in presence of Kveim's antigen] Messerschmitt J, et al. **Nouv Presse Med** (23):1717–20, 7 Jun 75 (Eng. Abstr.) **(Fre)**

[Reaction of the cattle to the intradermal injection of a specific antigen of the genus Fasciola. Preliminary trial in view of an application to the diagnosis of the infestation] Blancou J, et al. **Rev Elev Med Vet Pays Trop** 29(1):39–42, 1976 (Eng. Abstr.) **(Fre)**

[Contribution of the Kveim test to the diagnosis of sarcoidosis] Centea A, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):623–4, Oct-Dec 75 **(Fre)**

[Contribution of cytochemistry and delayed hypersensitivity skin tests in the diagnosis and prognosis of chronic lymphoproliferative syndromes] Cadiou M, et al. **Sem Hop Paris** 52(24):1459–63, 23 Jun 76 (Eng. Abstr.) **(Fre)**

[Allergic delayed reactions of the skin: the role of the antigen histotopy] Marghescu S, et al. **Hautarzt** 27(4):166–70, Apr 76 (Eng. Abstr.) **(Ger)**

[Scarification artefacts in the test reaction in an expert opinion of occupational dermatosis] Meigel WN, et al. **Hautarzt** 27(7):349–51, Jul 76 (Eng. Abstr.) **(Ger)**

[Cutaneous allergen test in children: frequency of conversion of prick-test reactions, IgE concentrations in serum and course of the disease in young asthmatics during or without treatment with 'Dinatrium cromoglicicum' inhalation (author's transl)] Arndt M. **Klin Paediatr** 187(6):496–512, Nov 75 (Eng. Abstr.) **(Ger)**

[Antigen spectrum and reaction evaluation in routine skin test] Schultze-Werninghaus G, et al. **Monatsschr Kinderheilkd** 124(5):231–4, May 76 **(Ger)**

[Comparison of serum levels of allergen-specific and whole IgE with skin tests (prick and intracutaneous test) in allergic children] Urbanek R. **Monatsschr Kinderheilkd** 124(5):259, May 76 **(Ger)**

[Clarification of drug-induced allergic dermatoses using the lymphocyte transformation test (LTT)] Frey WR, et al. **Praxis** 64(33):1044–9, 19 Aug 75 (Eng. Abstr.) **(Ger)**

[A comparative study of the value of skin tests and radio-allergo-sorbent tests in inhalation allergies (author's transl)] Ebner H, et al. **Wien Klin Wochenschr** 87(19):627–31, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Detection of age-dependent differences of cellular immunity using the dinitrochlorbenzeme epicutaneous test] Meier G, et al. **Z Alternsforsch** 29(3):285–9, 1975 **(Ger)**

[Animal investigations after application of human kveim antigen (author's transl)] Eckert H, et al. **Z Erkr Atmungsorgane** 142(1):44–8, Jan 75 (Eng. Abstr.) **(Ger)**

[Anaphylaxis after epicutaneous ampicillin test] Pietzcker F, et al. **Z Hautkr** 50(10):437–40, 15 May 75 **(Ger)**

[Assessment of positive epicutaneous test using a highly-effective corticosteroid ointment] Swoboda B, et al. **Z Hautkr** 50(9):371–7, 1 May 75 **(Ger)**

[IgE determinations (RIST, RAST) and skin tests in pollinosis patients] Swoboda B, et al. **Z Hautkr**

50(10):441–7, 15 May 75 (Ger)
[On the specificity of the intracutaneous test with vaccinia antigen (author's transl)] Habs H, et al. **Z Immunitaetsforsch** 143(2):175–83, Mar 72 (Eng. Abstr.) (Ger)
[Study of cellular immunity by dinitrochlorobenzene skin test] Matild H. **Orv Hetil** 116(39):2291–3, 28 Sep 75 (Hun)
[Incidence of contact sensitization in patients with leg ulcer] Szurgent J, et al. **Orv Hetil** 116(44):2591–3, 2 Nov 75 (Hun)
[Behavior of the skin reaction to DNCB and to PHA during a course of acute viral HBs Ag positive and negative hepatitis and in carriers of HBs Ag] Lanzalene CM, et al. **Boll Soc Ital Biol Sper** 51(22):1638–41, 30 Nov 75 (Ita)
[Use of skin tests with penicillin reagents in an infection ward] Lund BM, et al. **Tidsskr Nor Laegeforen** 95(31):1784–6, 10 Nov 75 (Eng. Abstr.) (Nor)
[Significance of intradermal tests and eosinophilia in respiratory tract diseases in workers of the textile industry] Korn-Rydzewska H, et al. **Otolaryngol Pol** 29(4):365–70, 1975 (Eng. Abstr.) (Pol)
[Diagnostic significance of the penicilloyl-polylysine test in the light of a case of an anaphylactic shock] Marcinkowski T, et al. **Pediatr Pol** 51(5):565–70, May 76 (Pol)
[Allergy as a side effect of patch tests] Ammer D. **Przegl Dermatol** 63(3):359–61, May–Jun 76 (Eng. Abstr.) (Pol)
[Patch tests performed with basic allergens in workers of selected shops in a textile establishment] Czernielewski A, et al. **Przegl Dermatol** 63(1):19–23, Jan–Feb 76 (Eng. Abstr.) (Pol)
[Skin tests and method of specific leukocytolysis in diagnosis of allergy in patients with eczema and neurodermatitis] Borodin IuP, et al. **Sov Med** (8):90–4, Aug 75 (Eng. Abstr.) (Rus)
[Use of testoplast for determination of the sensitivity of patients with certain dermatoses to detergent DNS–AK] Ievleva EA, et al. **Vestn Dermatol Venerol** (10):73–6, Oct 75 (Eng. Abstr.) (Rus)
[Valve of intradermal hormone tests in the diagnosis of causes of threatened abortion] Peshev LP. **Vopr Okhr Materin Det** 20(9):67–70, Sep 75 (Eng. Abstr.) (Rus)
[Use of immunologic tests in periodic preventive examinations of workers involved in benzidine production] Gorodilova VV, et al. **Vopr Onkol** 21(11):29–33, 1975 (Rus)
[Skin test for hormonal saturation in psoriasis] Neshkov NS, et al. **Vrach Delo** (2):96–9, Feb 76 (Rus)
[Immunological study of the occurrence of staphylococci with skin antigens in various experimental animals] Romanov VA. **Zh Mikrobiol Epidemiol Immunobiol** (7):59–64, Jul 75 (Eng. Abstr.) (Rus)
[Candida and skin reaction to candidina] Freyermut Jiménez A. **Alergia** 23(2):53–86, Apr 76 (Eng. Abstr.) (Spa)
[Study of cutaneous reactivity to histamine and various allergens in normal and allergic patients] Marín F, et al. **Allergol Immunopathol (Madr)** 3(3):121–6, May–Jun 75 (Eng. Abstr.) (Spa)
[Prognostic value of the skin test in paracoccidioidomycosis] Negroni R, et al. **Med Cutan Iber Lat Am** 2(6):453–7, 1974 (Eng. Abstr.) (Spa)
[Allergic skin test and the neutrophil alteration reaction as indices of specific allergy in dysentery in children] Pastrik NS. **Pediatr Akush Ginekol** (4):25–6, Jul–Aug 75 (Ukr)

ADVERSE EFFECTS

A case of localised scleroderma following a subcutaneous skin test for Bilharzia. Kinglsey HJ. **Cent Afr J Med** 21(11):245, Nov 75
Letter: Cause of induration in skin tests (cont.). Colvin RB, et al. **N Engl J Med** 295(13):734–5, 23 Sep 76
[Hazards of the test for determination of total immunologic reactivity] Potapov MI, et al. **Klin Med (Mosk)** 52(2):46–9, Feb 74 (Eng. Abstr.) (Rus)

METHODS

Comparison of skin test results obtained with different dust, Dermatophagoides; Acarus siro and spider extracts. Szendrey A, et al. **Allergol Immunopathol (Madr)** 3(4):215–20, Jul–Aug 75
Skin testing: a comparison of the jet injector with the Mantoux method. Wijsmuller G, et al. **Am Rev Respir Dis** 112(6):789–98, Dec 75
Diagnosis of allergy to stinging insects by skin testing with Hymenoptera venoms. Hunt KJ, et al. **Ann Intern Med** 85(1):56–9, Jul 76
Patch test reactions to human dander in atopic dermatitis. Uehara M, et al. **Arch Dermatol** 112(7):951–4, Jul 76
Gonococcal ribosomes as skin test antigens. II. Precision Of the Method, Attempts To Identify The Ribosomal Antigen, and Correlation with The Macrophage Migration Inhibition test. Judd RC, et al. **Br J Vener Dis** 52(1):28–32, Feb 76
Gonococcal ribosomes as skin test antigens. I. Preliminary tests of sensitivity and specificity. Koostra WL, et al. **Br J Vener Dis** 52(1):24–7, Feb 76
Phytohemagglutinin skin test: diagnostic value for showing immunodeficiency in patients with cancer. Sone S, et al. **Gann** 66(6):641–8, Dec 75
Clinical evaluation of Al-test patch test. Hayakawa R, et al. **J Dermatol (Tokyo)** 2(3):111–4, Sep 75
Evaluation of skin patch tests using sump method. Kawai K. **J Dermatol (Tokyo)** 2(1):19–26, Mar 75
Allergy skin testing of children. Deamer WC. **J Fam Pract** 2(6):459–63, Dec 75 (6 ref.)
An electro-mechanical method for measuring delayed hypersensitivity in mice by increase of ear thickness. Christie GH. **J Immunol Methods** 8(3):257–61, Sep 75
Immune reactivity in primary carcinoma of the lung and its relation to prognosis. Wanebo HJ, et al. **J Thorac Cardiovasc Surg** 72(3):339–50, Sep 76
Skin testing for prognosis or therapy formulation in cancer patients: caveat emptor. Mandel MA. **Plast Reconstr Surg** 57(5):621–6, May 76
A comparison of four methods for measuring cutaneous delayed- type hypersensitivity reactions to protein antigens in the mouse. Robinson JH. et al. **Scand J Immunol** 5(3):299–304, 1976
Immunologic evaluation of patients with cancer by delayed hypersensitivity reactions. Burdick JF, et al. **Surg Gynecol Obstet** 141(5):779–94, Nov 75 (163 ref.)
[Letter: Specifique IgE of soluble antigens of hydatic cyst. Demonstration by the RAST (Radio-Allergo-Sorbent-Test)] Vervloet D, et al. **Nouv Presse Med** 4(40):2886, 22 Nov 75 (Fre)
[Diagnostic possibilities using RAST. Correlation with three various skin extracts] Jarisch R. **Hautarzt** 27(2):64–7, Feb 76 (Eng. Abstr.) (Ger)
[Radio-allergo-sorbent-test in the diagnosis of sensitization by mould spores (author's transl)] Virchow C, et al. **Prax Pneumol** 29(10):555–68, Oct 75 (Eng. Abstr.) (Ger)
[Detection of photoallergies (author's transl)] Jung EG. **Ther Umsch** 31(5):313–6, May 74 (Eng. Abstr.) (Ger)
[Skin-surface diagnosis and its clinical relevance] Klaschka F. **Z Hautkr** 49(18):811–7, 15 Sep 74 (Ger)
[Skin sensitivity to Battey and Kansasii sensitins in a selected rural population and in students. I. Simultaneous test of sensitivity to Battey sensitin and tuberculin RT-23] Krzyszkowska A, et al. **Pneumonol Pol** 44(5):429–40, May 76 (Eng. Abstr.) (Pol)
[Simultaneous intradermal reactions of several dermojet-injected antigens. Their importance in immuno-epidemiological studies] Veronesi R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(4):357–61, Jul–Aug 75 (Eng. Abstr.) (Por)

STANDARDS

Immunological specificity and correlation of diagnostic tests for bronchial allergy to Cladosporium herbarum. Nilsson D, et al. **Acta Paediatr Scand** 65(1):33–8, Jan 76
Validation and standardization of Kveim test suspensions prepared from two human sarcoid spleens. Mitchell DN, et al. **J Clin Pathol** 29(3):203–10, Mar 76
Letter: Kveim test in sarcoidosis. Hurley TH, et al. **N Engl J Med** 293(14):722–3, 2 Oct 75
[The value of skin tests with Candida albicans extracts] Wozniak KD, et al. **Dermatol Monatsschr** 162(2):142, Feb 76 (Ger)

SKIN TUBERCULOSIS see **TUBERCULOSIS, CUTANEOUS**

SKIN ULCER

Pyoderma gangrenosum with cellular immunity deficit treated with plasmaphoresis and leukocyte transfusion. Clayton R, et al. **Br J Dermatol** 95 Suppl 24:67–8, Jul 76

CHEMICALLY INDUCED

Ulcerative lichenoid eruption from methyldopa. Burry JN. **Arch Dermatol** 112(6):880, Jun 76
Skin ulcers due to adriamycin. Rudolph R, et al. **Cancer** 38(3):1087–94, Sep 76
Ulceration caused by cytotoxic drugs. Chait LA, et al. **S Afr Med J** 49(46):1935–6, 1 Nov 75
[Artificial skin ulcers due to Laxyl] Schreiber FU. **Zentralbl Chir** 100(12):760–2, 1975 (Ger)
[Coumarin necrosis] Kassay C, et al. **Rev Chir [Chir]** 24(6):451–4, Nov–Dec 75 (Rum)
[Effect of toxic doses of chromium on the development of chromium-induced ulcers under experimental conditions] Urdabaev ZhK. **Gig Tr Prof Zabol** (8):52–5, Aug 75 (Rus)

COMPLICATIONS

Recurrent necrosis of the skin and the mouth. Elsahy NI. **Br J Dermatol** 93(1):101–5, Jul 75
Chronic intravascular coagulopathy with? pyoderma gangrenosum. Staughton RC, et al. **Br J Dermatol** 95 Suppl 24:70–2, Jul 76
Pyoderma gangrenosum, hypoplastic anaemia, tabes dorsalis. Vollum DI. **Br J Dermatol** 95 Suppl 24:69–70, Jul 76
Trigeminal neuropathy with nasal ulceration: report of two cases and one necropsy. Spillane JD, et al. **J Neurol Neurosurg Psychiatry** 39(2):105–13, Feb 76
Marjolin's ulcer: an immunologically privileged tumor? Bostwick J 3d, et al. **Plast Reconstr Surg** 57(1):66–9, Jan 76
Letter: Sporadic ulcero-osteolytic neuropathy in Blacks. Purry NA. **S Afr Med J** 49(39):1583, 13 Sep 75
[Kaposi's angioreticulosis in a female patient with the ulcerative form of recurrent herpes simplex] Kalamkarian AA, et al. **Vestn Dermatol Venerol** (6):48–52, Jun 75 (Rus)

DIAGNOSIS

Mycobacterium ulcerans (Buruli) skin ulceration in Nigeria. Oluwasanmi JO, et al. **Am J Trop Med Hyg** 25(1):122–8, Jan 76
Tuberculosis cutis ulcerosa. Speelman G. **Arch Belg Dermatol** 30(4):279–81, Oct–Dec 74
Case for diagnosis. Byrne JP, et al. **Br J Dermatol** 95 Suppl 24:83–4, Jul 76
Ulcerating and mutilating acropathy with thermographic findings. Wilkinson JD. **Proc R Soc Med** 69(7):513–5, Jul 76
[Cutaneous manifestations of chronic atrophic polychondritis and their relation to aphtosis] Saurat JH, et al. **Ann Dermatol Syphiligr (Paris)** 102(2):145–56, 1975 (Eng. Abstr.) (Fre)
[Pyoderma gangrenosum (dermatitis ulcerosa)] Bäurle G, et al. **Z Hautkr** 50(19):827–8, 1 Oct 75 (Ger)

DRUG THERAPY

Activity of rifampicin on Mycobacterium ulcerans. Havel A, et al. **Ann Soc Belg Med Trop** 55(2):105–8, 1975
Thermographical follow-up during treatment of chronic ulcerations with iontophoresis with xanthinol nicotinate. van der Kuy A, et al. **Bibl Radiol** (6):203–9, 1975
Letter: Topical clofazimine and atypical mycobacteria. Ellis BP, et al. **S Afr Med J** 50(20):759, 8 May 76
[Antimicrobial effect of carbenicillin combined with prodigiosin and lysozyme in chronic purulent-inflammatory diseases complicated by Proteus infection] Vitvitskii VM, et al. **Klin Khir** (7):50–2, Jun 75 (Rus)
[Trial of an enzymatic preparation in the treatment of various ulcerative processes] Maiques Nadal V, et al. **Rev Clin Esp** 141(1):67–72, 15 Apr 76 (Eng. Abstr.) (Spa)
[Evaluation of the action of ointment in 393-S-12 chronic cutaneous ulcers] Torres V, et al. **Rev Clin Esp** 141(1):61–5, 15 Apr 76 (Eng. Abstr.) (Spa)

ETIOLOGY

The forgotten nodule: complications of sacral nodules in rheumatoid arthritis. Sturrock RD, et al. **Br Med J** 4(5988):92–3, 11 Oct 75
Ulceration of a ring into a phalanx. Woodhouse C. **Hand** 8(2):186–8, Jun 76
Neurotrophic ulceration of the face: pathogenic considerations on a case. Galbiati G, et al. **Ital Gen Rev Dermatol** 11(2):145–50, May–Aug 74
Letter: Trigeminal neuropathy with nasal ulceration. Freeman AG. **J Neurol Neurosurg Psychiatry** 39(8):822–3, Aug 76
Letter: Neck ulceration from CPAP box. Hakanson DO, et al. **J Pediatr** 88(1):166, Jan 76
Transverse metatarsal head resection—a radical approach to the problems of forefoot ulceration. Andersen JG. **Lepr Rev** 46(3):191–4, Sep 75
[Geometric phagedenic pyodermitis or pyoderma gangrenosum (apropos of 3 African cases)] Faye I, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):112–6, 1974 (Eng. Abstr.) (Fre)
[Malabsorption and vitamin B1 deficiency in familial acrodystrophic neuropathies (author's transl)] Partsch H, et al. **Wien Klin Wochenschr** 88(12):391–3, 11 Jun 76 (Eng. Abstr.) (Ita)
[Skin conditions and their systemic background. 12. Ulcer] Miki Y. **Jpn J Clin Med** 33(12):3439–44, Dec 75 (Jpn)
[Ulcerative vaccinia—a forgotten form of complication following smallpox vaccination] Beliaev NV. **Vestn Dermatol Venerol** (2):63–8, Feb 76 (Eng. Abstr.) (Rus)
[Pyoderma gangrenosum associated with erythema nodosum and ulcerative colitis] Vidal Pich E, et al. **Med Cutan Iber Lat Am** 2(6):425–32, 1974 (Eng. Abstr.) (Spa)

IMMUNOLOGY

[Dermatitis ulcerosa (pyoderma gangraenosum). 2 cases with abnormal serum factors] Kovács L, et al. **Z Hautkr** 51(09):571–81, 0501 76 (Ger)

OCCURRENCE

Mycobacterium ulcerans in Australia. Radford AJ. **Aust NZ J Med** 5(2):162–9, Apr 75

PARASITOLOGY

[Cutaneous amebiases (stimulating pyoderma gangrenosum in ulcerative colitis)] Sunarwan I, et al. **Ned Tijdschr Geneeskd** 120(8):319–21, 21 Feb 76 (Eng. Abstr.) (Dut)

PATHOLOGY

The accurate measurement and recording of plantar ulcers. Geater JG. **Lepr Rev** 46(3):195–8, Sep 75

PHYSIOPATHOLOGY

Ischemic skin ulcers and gangrene—mainly a microcirculatory problem? Fagrell B. **Bibl Anat** 13:360–1, 1975

PREVENTION & CONTROL

Letter: Prevention of ulceration of neck by CPAP head box. Williams M, et al. **J Pediatr** 87(6 Pt 1):1010–1, Dec 75

Preventing recurrent tissue breakdowns after 'pressure sore' closures. Rogers J, et al. **Plast Reconstr Surg** 56(4):419–22, Oct 75

SURGERY

Surgical treatment of mal perforans. Singer A. **Arch Surg** 111(9):964–8, Sep 76

Burli (mycobacterial) ulcers in Caucasians in Nigeria. Oluwasanmi JO, et al. **Br J Plast Surg** 28(2):111–3, Apr 75

Treatment of plantar ulcers with split skin grafts: a simplified method. D'Hooghe PJ, et al. **Lepr Rev** 46(2):119–21, Jun 75

The voice of polite dissent. Preventing recurrent tissue breakdowns after pressure 'sore' closures. Brand PW. **Plast Reconstr Surg** 56(5):573–4, Nov 75

[Aspects of cutaneous plastic surgery in the tropics] Bourrel P, et al. **Ann Chir Plast** 20(3–4):375–83, 1975 (Eng. Abstr.) **(Fre)**

[Treatment of infected wounds and ulcers by coherent irradiation] Bogdanovich Ula, et al. **Khirurgiia (Mosk)** (4):56–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Plastic surgery in radiation necrosis in the region of projection/of large vessels] Povstianoĭ NE, et al. **Vestn Khir** 114(5):101–3, May 75 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment of Mycobacterium ulcerans infection by hyperbaric oxygenation. Krieg RE, et al. **Aviat Space Environ Med** 46(10):1241–5, Oct 75

Treatment of the patient with calcaneal and plantar pressure ulcers of neurogenic etiology. Gordon V. **J Am Osteopath Assoc** 75(5):525–6, Jan 76

[Therapeutic effects of pulsed high-frequency electromagnetic waves (author's transl)] Debelle M. **J Belge Rhumatol Med Phys** 30(5–6 SPEC NO):330–49, Sep–Dec 75 (Eng. Abstr.) **(Fre)**

URINE

The mass spectrometric identification of dipeptides in the urine of a patient suffering from chronic skin ulceration and oedema. Faull KF, et al. **Clin Chim Acta** 70(2):313–21, 15 Jul 76

VETERINARY

Dermal ulceration of mullet (Mugil cephalus). McKenzie RA, et al. **Aust Vet J** 52(5):230–1, May 76

SKIN WINDOW TECHNIC

Skin window studies in polycythaemia rubra vera. Ghosh ML, et al. **Br J Haematol** 29(3):461–7, Mar 75

Impairment of phagocytic activity of macrophages as studied by the skin window test in patients on regular hemodialysis treatment. Ringoir S, et al. **Clin Nephrol** 4(6):234–6, Dec 75

The skin window test in ovarian tumours during chemotherapy. pp. 197–9. Natale N, et al.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

Drug hypersensitivity: a comparative study of in vitro lymphocyte stimulation test with in vivo skin window technique and other skin tests. Saha K, et al. **Indian J Med Res** 63(8):1110–24, Aug 75

Application of scanning electron microscopy to the study of skin window preparations. Sokol RJ, et al. **J Clin Pathol** 29(8):760–1, Aug 76

[Scanning electron microscopic observations on the vertically cracked human skin—especially on the point of cell infiltration. Further observations on the infiltrating cells in the skin window method (author's transl)] Uchiyama M. **Jpn J Dermatol** 85(12):720–3, Oct 75 **(Jpn)**

[Cellular responses in the skin window. Application of the skin window technique to basic research (author's transl)] Yoshida H, et al. **Jpn J Dermatol** 85(12):730–3, Oct 75 **(Jpn)**

METHODS

[Experimental studies using a modification of the quantitative skin window technic on the amount of various antibiotics in the human interstitial fluid] Magliulo E, et al. **G Batteriol Virol Immunol** 68(1–6):78–94, Jan–Jun 75 **(Ita)**

SKINFOLD THICKNESS

Upper arm anthropometric indicators of nutritional status. Martorell R, et al. **Am J Clin Nutr** 29(1):46–53, Jan 76

Correlation of blood pressure with skinfold thickness and protein levels. Stine OC, et al. **Am J Dis Child** 129(8):905–11, Aug 75

Epidermal thickness of the ear lobe and diabetes. Posinovec J, et al. **Endokrinologie** 63(3):381–5, 1974

Energy intake, disability, disease and skinfold thickness in a long-stay hospital. MacLennan WJ, et al. **Gerontol Clin (Basel)** 17(3):173–80, 1975

Prediction of lean body mass in young boys from skinfold thickness and body weight. Lohman TG, et al. **Hum Biol** 47(3):245–62, Sep 75

Skinfold thickness and body fat in adult Fur men and women of Western Sudan. Sukkar MY. **Hum Biol** 48(2):315–21, May 76

Biological implications of the adolescent growth process. Height, weight and skinfold measurements. pp. 19–32. Hamill PV.
In: McKigney JI, Munro HN, ed. Nutrient requirements in adolescence. Cambridge, Mass., MIT Press, 1976. WS 115 N974 1973.

On the body composition of the Eskimo. pp. 91–7. Shephard RJ, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Weight and skinfold thickness changes during a physical training course. Glick Z, et al. **Med Sci Sports** 8(2):109–12, Summer 76

[Body potassium and skinfold thickness in an isocaloric, fat-rich diet (author's transl)] Schuerch PM, et al. **Med Klin** 71(36):1444–6, 3 Sep 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Relation between skinfold thickness and depot fat in childhood as computed using the potassium-40-method] Grüning R, et al. **Monatsschr Kinderheilkd** 123(5):280–1, May 75 **(Ger)**

[Food habits, triceps skinfold thickness and body mass in adolescents] Bruppacher R, et al. **Soz Praeventivmed** 20(5):222–3, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Ultrasonic determination of subcutaneous adipose tissue and body fat] Bugyi B. **Z Ernaehrungswiss** 15(1):59–63, Mar 76 (Eng. Abstr.) **(Ger)**

[Monitoring the nutritional status of dialysis patients using skinfold-thickness measurements] Buchali K, et al. **Z Urol Nephrol** 68(3):188–90, Mar 75 **(Ger)**

[Determination of the skinfold thickness as additional criterion of the evaluation of physical development of children for substantiation of rational nutrition] Trofimenko LS. **Pediatriia** (1):40–4, Jan 74 (Eng. Abstr.) **(Rus)**

METHODS

[Determination of lean body mass by skin fold measurements (author's transl)] Rehs HJ, et al. **Z Kinderheilkd** 120(2):121–33, 11 Aug 75 (Eng. Abstr.) **(Ger)**

SKIODAN see **METHIODAL**

SKULL

see related
INTRACRANIAL PRESSURE
TREPHINING

Posterior fossa meningiomas. A report of 30 cases. Grand W, et al. **Acta Neurochir (Wien)** 32(3–4):219–33, 1975

Proceedings: Meningiomas of the posterior fossa—disturbances in CSF circulation and brain stem function. Knüpling R, et al. **Acta Neurochir (Wien)** 31(3–4):284, 1975

Proceedings: Angiographic aspects of meningiomas in the posterior fossa. Nadjmi M, et al. **Acta Neurochir (Wien)** 31(3–4):289, 1975

Proceedings: Meningioma of the middle cranial fossa and epidermoid tumor of the clivus and cerebellopontine angle in the same patient. Thomalske G, et al. **Acta Neurochir (Wien)** 31(3–4):282, 1975

Wide sutures and large fontanels in the newborn. Tan KL. **Am J Dis Child** 130(4):386–90, Apr 76

Gallium scanning in cerebral and cranial infections. Waxman AD, et al. **Am J Roentgenol** 127(2):309–14, Aug 76

Transorbital removal of intracranial foreign body in middle fossa. Fein W, et al. **Ann Ophthalmol** 8(1):89–92, Jan 76

Radionuclide studies of posterior fossa lesions in children. Andrews JT, et al. **Australas Radiol** 20(1):12–5, Mar 76

The Chiari malformations of the posterior fossa and their relation to hydrocephalus. Caviness VS. **Dev Med Child Neurol** 18(1):103–16, Feb 76

Closure of the venous tonsillovermian angle in mass lesions of the inferior pole of the posterior fossa. pp. 100–4. Wackenheim A.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

The cephalometric analysis of craniofacial architecture. Platzer KM. **J Am Dent Assoc** 92(5):960–5, May 76

Osteomyelitis of the skull: report of three cases. Ruberg RL. **J Am Osteopath Assoc** 75(8):748–51, Apr 76

Posterior fossa cyst:prenatal diagnosis by ultrasound. Lee TG, et al. **J Clin Ultrasound** 4(1):29–30, Feb 76

Multiple crossed false localizing signs in a posterior fossa tumour. Maurice-Williams RS. **J Neurol Neurosurg Psychiatry** 38(12):1232–4, Dec 75

Posterior fossa scintiangiography: documentation of genetic penetrance of von Hippel-Lindau syndrome in a clinically unaffected girl and her father. Hattner RS. **J Nucl Med** 16(9):828–30, Sep 75

Head and brain scan findings in rhinocerebral mucormycosis: case report. Zwas ST, et al. **J Nucl Med** 16(10):925–7, Oct 75

Cranial implant problems. Sabin H. **J Prosthet Dent** 34(6):659–65, Dec 75

Posterior fossa tumors with pathological laughter. Achari AN, et al. **JAMA** 235(14):1469–71, 5 Apr 76

Posterior fossa vascular malformations. Long-term follow-up. Lusins J, et al. **NY State J Med** 76(3):416–20, Mar 76

Computed coronal tomography. Hammerschlag SB, et al. **Radiology** 120(1):219–20, Jul 76

Hydatid cyst of the skull: report of four cases. Teymoorian GA, et al. **Radiology** 118(1):97–100, Jan 76

Cranial computed tomography: An evaluation of cost effectiveness. Wortzman G, et al. **Radiology** 117(1):75–7, Oct 75

['Preventive' cranial irradiation in acute lymphoblastic leukemia in childhood] von Lieven H, et al. **Strahlentherapie** 151(1):3–9, Jan 76 (Eng. Abstr.)

Meningioma-en-plaque and hyperostosis in a cat. Goedegebuure SA, et al. **Zentralbl Veterinaermed [A]** 23(3):258–62, Apr 76

[Capillarogram of the posterior cranial fossa] Kalvach P, et al. **Cesk Neurol Neurochir** 39(1):12–9, Jan 76 (Eng. Abstr.) **(Cze)**

[Scintigraphy in lateralized tumors of the posterior cranial fossa] Kvičala V, et al. **Cesk Neurol Neurochir** 39(2):68–76, Mar 76 (Eng. Abstr.) **(Cze)**

[Facial skeleton lesions evaluated with special reference to the incidence of giant cell structures in histological findings] Novák J, et al. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1–2):29–42, 1974 **(Cze)**

[Growth retardation after irradiation of a chordoma of the clivus] Lenoir G, et al. **Arch Fr Pediatr** 33(6):599–605, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[Spontaneous rhinorrhea of unusual etiology] Guegan Y, et al. **Neurochirurgie** 21(6):507–14, Nov 75 (30 ref.) (Eng. Abstr.) **(Fre)**

[Catheterization of the sylvian aqueduct. Its present role in the surgical treatment of sylvian aqueduct stenosis of PCF tumors, and of syringomyelia] Lapras C, et al. **Neurochirurgie** 21(2):101–9, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Clinical and therapeutic reflections on 10 cases of meningioma of the posterior fossa] Ito I, et al. **Rev Otoneuroophtalmol** 47(5):327–38, Oct–Dec 75 **(Fre)**

[Posterior fossa syndrome terminating the course of histiocytosis X. Study of lesions of the central nervous system. Association with polyvinylpyrrolidone thesaurismosis] Faivre J, et al. **Sem Hop Paris** 51(37–38):2229–37, 10–20 Sep 75 (Eng. Abstr.) **(Fre)**

[Face and skull of man as a possible basis for identification in the past and present] Furtmayr MJ. **Arch Kriminol** 155(1–2):3–13, Jan–Feb 75 **(Ger)**

[Osteoporosis circumscripta cranii (Schüller)] Malin JP, et al. **Nervenarzt** 46(8):458–60, Aug 75 **(Ger)**

[Clinical picture of cranial osteomyelitis] Möser E. **Zentralbl Chir** 100(25):1556–63, 1975 **(Ger)**

[Successful extirpation of meningioma of the posterior cranial fossa in a 5-year-old girl] Synowitz VHJ, et al. **Zentralbl Neurochir** 36(2):125–6, 1975 (Eng. Abstr.) **(Ger)**

[Sarcoma of the clivus. Diagnosis and therapy] Gajno MT, et al. **Minerva Pediatr** 27(38):2128–36, 1 Dec 75 (Eng. Abstr.) **(Ita)**

[Posterior fossa angiomata with slow evolution: clinical aspects (author's transl)] Licandro AM, et al. **Riv Patol Nerv Ment** 96(1):11–8, Jan–Feb 76 (Eng. Abstr.) **(Ita)**

[Congenital arachnoid cyst of the posterior fossa in an infant] Wakai S, et al. **Clin Neurol (Tokyo)** 15(10):731–5, Oct 75 (Eng. Abstr.) **(Jpn)**

[Occipital tumor simulating pericranial sinus (author's transl)] Izawa M, et al. **Neurol Surg (Tokyo)** 4(5):479–82, May 76 (Eng. Abstr.) **(Jpn)**

[Acute subdural hygroma in the posterior fossa (author's transl)] Miura F, et al. **Neurol Surg (Tokyo)** 3(9):769–76, Sep 75 (Eng. Abstr.) **(Jpn)**

[Intracranial extradural liposarcoma in the posterior fossa—a case report (author's transl)] Nakajima K, et al. **Neurol Surg (Tokyo)** 4(3):293–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Successfully operated case of posterior fossa tuberculoma in childhood (author's transl)] Ottomo M, et al. **Neurol Surg (Tokyo)** 4(7):707–13, Jul 76 (Eng. Abstr.) **(Jpn)**

[Brain scanning of the posterior fossa tumors (author's transl)] Tsuyuma M, et al. **Neurol Surg (Tokyo)** 3(12):993–1000, Dec 75 (Eng. Abstr.) **(Jpn)**

[Skull traction] Tysvaer A. **Tidsskr Nor Laegeforen** 95(28):1586–7, 1603, 10 Oct 75 (Eng. Abstr.) **(Nor)**

[Unusual foreign body in the cranial cavity] Holyst J, et al. **Pol Tyg Lek** 30(48):2013–4, 1 Dec 75 (Eng. Abstr.) **(Pol)**

[Further study of the model of a human skull as a cupola with a plane base] Chernetkin VA, et al. **Biofizika** 21(2):376–81, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Biomechanics of the amphibian skull] Salomatina NI. **Dokl Akad Nauk SSSR** 224(6):1456–9, 21 Oct 75 **(Rus)**

[Dynamics of vestibular symptomatology in combined treatment of tumors of posterior cranial fossa in children] Blagoveshchenskaia NS, et al. **Med Radiol (Mosk)** 20(4):32–6, Apr 75 (Eng. Abstr.) **(Rus)**

[Needle for fontanelle puncture] Kamaletdinov RZ, et al. **Nov Med Priborostr** (4):40–1, 1973 **(Rus)**

[Tumors of the posterior cranial fossa in children, with symptoms of gastrointestinal diseases] Umakhanov RU. **Pediatriia** (6):19–20, Jun 75 **(Rus)**

[Fibrous dysplasia of the skull bones] Volkov IN, et al. **Vestn Otorinolaringol** (3):45–9, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Case of subacute subdural hydroma in combination with

chronic osteomyelitis of the skull] Aleshin EV. **Voen Med Zh** (5):53–5, 1976 **(Rus)**

[Mechanical action of expansions in the posterior cranial fossa] Blaškovič J, et al. **Rozhl Chir** 54(11):740–3, Nov 75 (Eng. Abstr.) **(Slo)**

[Clinical aspects, characteristics of the course and the surgical treatment of cephalohematomas] Pel'ts BA, et al. **Pediatr Akush Ginekol** (3):24–6, May–Jun 75 **(Ukr)**

ABNORMALITIES

Spinal retroflexion in craniorhachischisis: its classification and limitations. Chaurasia BD, et al. **Acta Anat (Basel)** 94(4):626–32, 1976

Skull volume in infants. Methodology, normal values, and application. Buda FB, et al. **Am J Dis Child** 129(10):1171–4, Oct 75

Anomalies of the craniovertebral border. Shapiro R, et al. **Am J Roentgenol** 127(2):281–7, Aug 76

Congenital midline scalp and skull defect. Lassman LP, et al. **Arch Dis Child** 50(12):958–60, Dec 75

9pter leads p22 deletion syndrome: a case report. Allderdice PW, et al. **Birth Defects** 12(5):151–5, 1976

Trapezoidocephaly, midfacial hypoplasia and cartilage abnormalities with multiple synostoses and skeletal fractures. Antley R, et al. **Birth Defects** 11(2):397–401, 1975

Aberrant tissue bands and craniofacial defects. Broome DL, et al. **Birth Defects** 12(5):65–79, 1976

The Kleeblattschädel anomaly. Eaton AP, et al. **Birth Defects** 11(2):238–46, 1975

O--short stature with abnormalities of the cranium and limbs. Jorgenson RJ. **Birth Defects** 10(5):249–51, 1974

Arthrodentoosteodysplasia: a genetic 'acroosteolysis' syndrome. Zugibe FT, et al. **Birth Defects** 10(5):145–52, 1974

Dolichocephaly—a source of error in serial cephalometry. Houlton MC, et al. **Br J Obstet Gynaecol** 83(4):276–8, Apr 76

Developmental defects in the cranial vault. Lodge T. **Br J Radiol** 48(570):421–34, Jun 75 (67 ref.)

Causal mechanisms of craniofacial deformity. Poswillo D. **Br Med Bull** 31(2):101–6, May 75

Editorial: Closer liason with professional persons concerned with craniofacial anomalies throughout the world. Cole RM. **Cleft Palate J** 13:197, Jul 76

Aarskog syndrome: new oral-facial findings. Melnick M, et al. **Clin Genet** 9(1):20–4, Jan 76

Letter: Partial trisomy 15 as a result of an unbalanced 12/15 translocation in a patient with a cloverleaf skull anomaly. Pedersen C. **Clin Genet** 9(3):378–80, Mar 76

Cerebro-facio-thoracic dysplasia: report of three cases. Pascual-Castroviejo I, et al. **Dev Med Child Neurol** 17(3):343–51, Jun 75

Lacunar skull deformity related to intelligence in children with myelomeningocele and hydrocephalus. Lonton AP, et al. **Dev Med Child Neurol [Suppl]** (35):58–64, 1975

Familial occurrence of cebocephaly. Ide CH, et al. **Eye Ear Nose Throat Mon** 54(11):60–1, Nov 75

[Early ultrasonic diagnosis of anencephaly and iniencephaly (author's transl)] Hackelöer BJ, et al. **Geburtshilfe Frauenheilkd** 35(11):866–71, Nov 75 (Eng. Abstr.)

Hypothesis--Head pain: congenital, anatomical, pathological and neurosurgical correlates. Trupp M. **Headache** 15(4):243–6, Jan 76

Anatomical classification facial, cranio-facial and latero-facial clefts. Tessier P. **J Maxillofac Surg** 4(2):69–92, Jun 76

Middle-third facial osteotomies: their use in the correction of congenital dentofacial and craniofacial deformities. Epker BN, et al. **J Oral Surg** 34(4):324–42, Apr 76

Letter: Normal head growth in infant with nonidentifiable anterior fontanel. Lloyd FA, et al. **J Pediatr** 87(3):490–1, Sep 75

Macrocephaly in association with unusual cutaneous angiomatosis. Stephan MJ, et al. **J Pediatr** 87(3):353–9, Sep 75

Craniometaphyseal dysplasia. Report of a case. Lipschultz DH, et al. **Oral Surg** 40(4):464–70, Oct 75

Letter: Lacunar skull: a case report. Maraspini C. **S Afr Med J** 50(5):124, 31 Jan 76

[Cranium bifidum with cephalocele] Oster J. **Ugeskr Laeger** 137(50):2986, 8 Dec 75 **(Dan)**

[Rare manifestation of Recklinghausen's disease] Sauer M, et al. **Arch Fr Pediatr** 32(1):81–5, Jan 75 (Eng. Abstr.) **(Fre)**

[Malformations of the cephalic pole] Meyer R, et al. **Rev Med Suisse Romande** 95(2):131–60, Feb 75 **(Fre)**

[A persistent craniopharyngeal canal combined with a meningoencephalocele (author's transl)] Richter E, et al. **HNO** 23(8):240–5, Aug 75 (Eng. Abstr.) **(Ger)**

[The behavior of facial buds in chick embryos. Double malformations of the frontal process] Menkes B, et al. **Rev Roum Morphol Physiol** 20(2):99–104, 1974 **(Ger)**

[Morphogenesis of the clover-leaf skull syndrome] Gathmann HA, et al. **Verh Dtsch Ges Pathol** 59:575, 1975 **(Ger)**

[Osteogenesis imperfecta of Vrolik's type. Case contribution] Orrù G, et al. **Minerva Med** 66(78):4075–88, 17 Nov 75 (Eng. Abstr.) **(Ita)**

[Surgical technique for cranium bifidum and cephalocele (author's transl)] Miwa T. **Neurol Surg (Tokyo)** 4(5):431–41, May 76 **(Jpn)**

[Two cases of craniolacunia associated with meningocele and meningoencephalocele (author's transl)–a1 Shigemori M, et al. **Neurol Surg (Tokyo)** 4(8):785–90, 10 Aug 76 (Eng. Abstr.) **(Jpn)**

[The problem of diagnosis and risk in cases of acrocephaly] Predescu V, et al. **Rev Med Intern [Neurol Psihiatr]** 20(3):229–36, Jul–Sep 75 **(Rum)**

[The Holtermüller–Wiedemann syndrome (observations on 2 cases)] Burdea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(2):175–7, Apr–Jun 76 **(Rum)**

ANATOMY & HISTOLOGY

Biomechanical sppraisal of some skeletal features associated with head balance and posture in the Hominoidea. Adams LM, et al. **Acta Anat (Basel)** 92(4):580–4, 1975

Sex differences in craniofacial morphology. Ingerslev CH, et al. **Acta Odontol Scand** 33(2):85–94, 1975

The interaction between nonmetric and metric cranial variation. Corruccini RS. **Am J Phys Anthropol** 44(2):285–93, Mar 76

The effect of size variation on univariate assessments of morphological difference in human crania. Hardy VC, et al. **Am J Phys Anthropol** 44(1):79–82, Jan 76

The cephalometric analysis of Cercopithecus aethiops. Preston CB, et al. **Am J Phys Anthropol** 44(1):105–10, Jan 76

Head posture and craniofacial morphology. Solow B, et al. **Am J Phys Anthropol** 44(3):417–35, May 76

The bony tentorium of the cat: stereotaxic coordinates. Lucas EA. **Anat Rec** 184(1):91–6, Jan 76

Basicranial morphology of the early tertiary tarsiiform Rooneyia from Texas. Szalay FS, et al. **Folia Primatol (Basel)** 25(4):288–93, 1976

Experimental studies on craniofacial growth. pp. 53–61. Isotupa K, et al. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**

Changes in the skull—past, present, and future—because of evolution. Marshall D. **J Am Dent Assoc** 91(5):938–42, Nov 75 (9 ref.)

Proceedings: The structures of cranial bone sutures. Retzlaff EW, et al. **J Am Osteopath Assoc** 75(6):607–8, Feb 76

Factors affecting the incidence of non-metrical skeletal variants. Berry AC. **J Anat** 120(3):519–35, Dec 75

Dynamic analysis of a fluid-filled spherical sandwich shell-a model of the human head. Akkas N. **J Biomech** 8(5):275–84, Sep 75

Angular acceleration of viscoelastic (Kelvin) material in a rigid spherical shell-a rotational head injury model. Liu YK, et al. **J Biomech** 8(5):285–92, Sep 75

A model for brain deformation due to rotation of the skull. Ljung C. **J Biomech** 8(5):263–74, Sep 75

Aspects of variation in cranial characters of plains bison (Bison bison bison linnaeus) from Elk Island National Park, Alberta. Shackleton DM, et al. **J Mammal** 56(4):871–87, Nov 75

Relationship between Monro's foramen and cranial breadth: a method for a more accurate echo-encephalographic examination. Collice M, et al. **J Neurosurg Sci** 19(3):159–62, Jul–Sep 75

Normal values for transillumination of skull using a new light source. Cheldelin LV, et al. **J Pediatr** 87(6 Pt 1):937–8, Dec 75

Letter: Woodpeckers, gannets, and head injury. Gordon D. **Lancet** 1(7963):801–2, 10 Apr 76

New cranium of Homo erectus from Lake Ndutu, Tanzania. Clark RJ. **Nature** 262(5568):485–7, 5 Aug 76

Australopithecus, Homo erectus and the single species hypothesis. Leakey RE, et al. **Nature** 261(5561):572–4, 17 Jun 76

New hominid fossils from the Koobi Fora formation in northern Kenya. Leakey RE. **Nature** 261(5561):574–6, 17 Jun 76

Skull thickness of Black and White races. Ross MD, et al. **S Afr Med J** 50(16):635–8, 10 Apr 75

Mesoscopic anatomy of posterior fossa and upper cervical canal in man. Hughes MG, et al. **Surg Forum** 26:472–4, 1975

[Spatial variability of some lateral cranial points in chimpanzees] Deblock R, et al. **Bull Assoc Anat (Nancy)** 59(165):383–9, Jun 75 (Eng. Abstr.) **(Fre)**

[Asymetry, correlations and sex difference in the descriptive properties of the cranium] Olivier G, et al. **Bull Assoc Anat (Nancy)** 59(164):241–6, Mar 75 (Eng. Abstr.) **(Fre)**

[Determination of cranial capacity using endocranial dimensions] Olivier G, et al. **Bull Assoc Anat (Nancy)** 59(166):707–17, Sep 75 (Eng. Abstr.) **(Fre)**

[Proposal for a classification of the cranio-face of children studied in profile and in occlusion] Charron C. **Orthod Fr** 45(1):483–93, 1974 (Eng. Abstr.) **(Fre)**

[Determination of the true median plane by bilateral tomography of the labyrinth and correction by computer] Cousin RP, et al. **Orthod Fr** 46:315–6, 1975 **(Fre)**

[Medieval skulls. Orthodontic and cephalometric study] Galabert J. **Orthod Fr** 46:308–14, 1975 **(Fre)**

[A new point of cranial reference] Hoffer O. **Orthod Fr** 44(1):305–12, 1973 (Eng. Abstr.) **(Fre)**

Correlation between the dimensions of the upper jaw and the neurocranium] Mosse A. **Orthod Fr** 45(1):449–55, 1974 (Eng. Abstr.) **(Fre)**

[Differences in the craniofacial architecture of 3 populations: one normal and 2 severely pathologic (trisomy 21 and craniostenosis)] Roche M, et al. **Orthod Fr** 46:219–29, 1975 **(Fre)**

[Statistical study of the relationships of the rotation of the head, the base of the skull and the maxillomandibular displacement] Sartori H. **Orthod Fr** 45(1):477–81, 1974 (Eng. Abstr.) **(Fre)**

[Rational determination of anatomic points used in lateral teleradiography] Vion P. **Orthod Fr** 46:193–201, 1975 **(Fre)**

[Bone statics of the face] Couly G. **Rev Stomatol Chir Maxillofac** 77(2):420–6, Mar 76 **(Fre)**

[Introduction of the vestibular method into the studies on the peripheral parts of the skull of quadrupeds] Fenart R, et al. **Zentralbl Veterinaermed [C]** 5(2):174–8, Jun 76 (Eng. Abstr.) **(Fre)**

[Statics and structure of the facial skeleton with reference to the mechanism of fractures] Schumacher GH. **Fortschr Kiefer Gesichtschir** 19:3–8, 1975 **(Ger)**

[Measurements on the grade of the human skull base and angle determinations] Schäfer W. **Gegenbaurs Morphol Jahrb** 121(1):1–25, 1975 (Eng. Abstr.) **(Ger)**

[Measures and level differences in the median structure of the anterior cranial fossa in the man] Schmidt HM. **Gegenbaurs Morphol Jahrb** 120(4):538–59, 1974 (Eng. Abstr.) **(Ger)**

[Anthropologic-metrical studies on West and East African Bantus] Weninger M, et al. **Z Morphol Anthropol** 67(1):60–84, 1975 (Eng. Abstr.) **(Ger)**

[Technic of the extrameningeal access to the anterior surface of temporal bone pyramid through middle cranial fossa] Bochenek Z, et al. **Otolaryngol Pol** 30(2):109–17, 1976 (Eng. Abstr.) **(Pol)**

[Individual variation in the structure of the infratemporal fossa and its contents] Tsybul'kin AG. **Arkh Anat Gistol Embriol** 68(5):51–7, May 75 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Cranial venous system and the posterior fossa in spina bifida aperta. Blaauw G. **Clin Neurol Neurosurg** 78(3):171–81, 1975

Angiographic anatomy and circulation time of the veins of the posterior fossa. pp. 34–51. Huang YP, et al. **In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.**

The diagnostic value of serial magnification angiography for the representation of vessels in the posterior cranial fossa. pp. 71–80. Wende S, et al. **In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.**

Superselective arteriography of the branches of the external carotid artery. Recent findings concerning the exo- and endocranial base of the skull. pp. 170–6. Merland JJ, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

Research of new techniques and protocols to study the orbital and basal veins. pp. 162–9. Théron J. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

[Dura arteriovenous malformation of the posterior fossa-clinical and angiographical analysis of 6 cases] Takaku A, et al. **Neurol Surg (Tokyo)** 4(5):489–501, May 76 (Eng. Abstr.) **(Jpn)**

[Pathways of transcranial blood flow] Nééchin CH. **Arkh Anat Gistol Embriol** 70(6):85–91, Jun 76 (Eng. Abstr.) **(Rus)**

[Architectonics of the branch-forming veins passing through the emissaries of the cranial vault] Rusin IG. **Vopr Neirokhir** (2):48–50, MAR–APR 75 **(Rus)**

CYTOLOGY

Proceedings: Histological techniques for cranial bone studies. Popevec JP, et al. **J Am Osteopath Assoc** 75(6):606–7, Feb 76

DRUG EFFECTS

[Effect of cortisone acetate on pregnant A/Orl mice. Results of the cephalometric study of the fetus] Reufflet B. **Orthod Fr** 46:265–9, 1975 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Transplantation of the future coronal suture on the dura mater of 3- to 4-month-old rats. Markers IS. **Acta Anat (Basel)** 93(1):29–44, 1975

Cartilage canals in the human spheno-occipital synchondrosis during fetal life. Moss-Salentijn L. **Acta Anat (Basel)** 92(4):595–606, 1975

The effects of experimental unilateral anotia on skull development in the chick embryo. II. Essentials of the development of the chondrocranium in normal embryos of 7–20 days of incubation. Simons EV. **Acta Morphol Neerl Scand** 13(4):287–304, Dec 75

The effects of experimental unilateral anotia on skull development in the chick embryo. III. Chondrocranial development in anotic embryos of 7–20 days of incubation. Simons EV. **Acta Morphol Neerl Scand** 14(1):61–78, Feb

76
Growth of the fetal skull, with special reference to weight-for-dates of the newborn child. Bergsjo P, et al. **Acta Obstet Gynecol Scand** 55(1):53-7, 1976
Dental and craniofacial development in the normal and growth-retarded human fetus. Luke DA. **Biol Neonate** 29(3-4):171-7, 1976
The influence of the otic capsule in ambystomid skull formation. Leibel WS. **J Exp Zool** 196(1):85-104, Apr 76
[The cranium of a 80 mm human embryo (author's transl)] Grube D, et al. **Anat Embryol (Berl)** 149(2):183-208, 24 Jun 76 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Biology of the rice rat (Oryzomys palustris natator) in a laboratory environment. IX. Preweaning growth of the skull Park AW, et al. **Acta Morphol Neerl Scand** 14(1):39-60, Feb 76
Proceedings: The effects of surgical correction of experimental facial clefts on the postnatal growth of the skull in the rabbit. Urbanus NA, et al. **Acta Morphol Neerl Scand** 14(1):83-4, Feb 76
Proceedings: Human skulls with congenital facial clefts. Verwoerd CD, et al. **Acta Morphol Neerl Scand** 14(1):81, Feb 76
Proceedings: Skull growth in rabbits with experimental facial clefts. Verwoerd-Verhoef HL, et al. **Acta Morphol Neerl Scand** 14(1):82, Feb 76
Effect of experimental microglossia on craniofacial growth. Simard-Savoie S, et al. **Am J Orthod** 70(3):304-15, Sep 76
Newborn: adult brain ratios in hominid evolution. Jordaan HV. **Am J Phys Anthropol** 44(2):271-8, Mar 76
A critical analysis of the growth in length of the cranial base. Hoyte DA. **Birth Defects** 11(7):255-82, 1975 (123 ref.)
New studies of cranial growth. Moss ML. **Birth Defects** 11(7):283-95, 1975
Relationship between growth of brain and skull of Macaca mulatta and its importance for the stereotaxic technique. Wagman IH, et al. **Brain Behav Evol** 12(1-2):116-34, 1975
Functional anatomy of cranial synostosis. Moss ML. **Childs Brain** 1(1):22-33, 1975
Craniofacial growth in complete unilateral cleft lip and palate: a roentgeno-cephalometric study. Hayashi I, et al. **Cleft Palate J** 13:215-37, Jul 76
A longitudinal study of morphological craniofacial patterns via P-A x-ray headfilms in cleft patients from birth to six years of age. Ishiguro K, et al. **Cleft Palate J** 13:104-26, Apr 76
Craniofacial serial dimensions related to age, sex, and cleft-type from six months of age to two years. Krogman WM, et al. **Growth** 39(2):195-208, Jun 75
Growth in craniofacial cartilages studied by 3H-thymidine incorporation. Kvinnsland S, et al. **Growth** 39(3):305-14, Sep 75
Clinical application of allometric study on the growth of the craniofacial structures. pp. 118-24. Fukuhara T. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**
The effects of neuromuscular function on craniofacial growth. pp. 63-74. Moyers RE, et al. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**
Anterior fontanelle during infancy. Katiyar GP, et al. **Indian Pediatr** 12(12):1253-6, Dec 75
Skull growth in achondroplasic (cn) mice; a craniometric study. Jolly RJ, et al. **J Embryol Exp Morphol** 33(4):1013-22, Jul 75
Letter: Normal head growth in infant with nonidentifiable anterior fontanel. Lloyd FA, et al. **J Pediatr** 87(3):490-4, Sep 75
Growth of the cartilages of the cranial base: preliminary studies on Rattus norvegiuus. Roberts GJ. **Proc R Soc Med** 68(2):130-2, Feb 75
[Correlations between angular measurements of the base of the skull] Laude M, et al. **Arch Anat Pathol (Paris)** 23(4):291-3, Dec 75 (Eng. Abstr.) **(Fre)**
[François-Joseph Hunauld (1701-42) and the cross-sectional study of skull growth] Gysel C. **Orthod Fr** 46:185-92, 1975 **(Fre)**
[(Contributions on the development of the primate cranium with observations on the sagittal angle relationships. II. Spatial analysis. 1: Neurocranium. III. Spatial analysis. 2: Viscerocranium] Dmoch R. **Gegenbaurs Morphol Jahrb** 121(5):521-601, 1975 **(Ger)**
[(Contributions on the developmental changes of the primate cranium with observations on the sagittal angle relationships. I. Dental development)] Dmoch R. **Gegenbaurs Morphol Jahrb** 121(4):450-91, 1975 **(Ger)**
[Developmental changes in the primate cranium with observations on the sagittal angle relationships. V. Conclusion, summary, bibliography and tables] Dmoch R. **Gegenbaurs Morphol Jahrb** 122(1):1-81, 1976 **(Ger)**
[Postnatal recovering growth of the skull following intrauterine deficient nutrition] Brandt I, et al. **Monatsschr Kinderheilkd** 124(5):475-7, May 76 **(Ger)**
[Functional adaptation during growth and aging in organ systems of the head and neck region] Krmpotić-Nemanić J. **Verh Anat Ges** 69:349-72, 1975 (Eng. Abstr.) **(Ger)**
[Postnatal development of vertical distances between the lamina cibrosa and craniometric measurement points and skull planes] Schmidt HM. **Verh Anat Ges** 69:799-805, 1975 (Eng. Abstr.) **(Ger)**
[Effect of experimental bipedia on skull development] Schumacher GH, et al. **Verh Anat Ges** 69:807-13, 1975 **(Ger)**
[Radiological investigations of the sella-cranium index (author's transl)] Boczoń S. **Pol Przegl Radiol** 40(2):87-91, Mar-Apr 76 (Eng. Abstr.) **(Pol)**

INJURIES

Acute hepatic failure and Henoch-Schönlein syndrome appearing in a patient with severe cranio-facial injuries. Olley SF. **Br J Oral Surg** 14(1):57-64, Jul 76
Reconstruction of an orbito-facio-cranial gunshot wound. Zamick P. **Br J Plast Surg** 29(1):92-6, Jan 76
Perforation of the skull by a Gardner-Wells tong. Case report. Feldman RA, et al. **J Neurosurg** 44(1):119-20, Jan 76
Epidural hematoma after minor oral trauma. Rice JO, et al. **J Oral Surg** 34(7):639-41, Jul 76
Intrauterine spontaneous depression of fetal skull: a case report and review of literature. Guha-Ray DK. **J Reprod Med** 16(6):321-4, Jun 76
Penetrating intracranial foreign bodies in children. Dujovny M, et al. **J Trauma** 15(11):981-6, Nov 75
[Cranial anchoring in the treatment of traumatic dislocations or craniofacial orthopedics] Cadenat H. **Acta Stomatol Belg** 72(4):677-80, 1975 **(Fre)**
[Cranial anchorage in the treatment of traumatic or orthopedic craniofacial dislocations] Cadenat H. **Acta Stomatol Belg** 72(4):677-80, 1975 **(Fre)**
[290 cases of craniofacial injuries. Etiologic and therapeutic considerations] Crépy C, et al. **Rev Stomatol Chir Maxillofac** 77(1):256-9, Jan-Feb 76 **(Fre)**
[Pulmonary changes in cranio-cerebral injuries and respiration with high oxygen concentrations] am Esch JS, et al. **Acta Neurochir (Wien)** 33(1-2):93-102, 1976 **(Ger)**
[Permanent registration of the energy transformation in patients with skull-brain injuries and brain tumors] Wesemann W. **Infusionstherapie** 2(5):365-76, Oct 75 (Eng. Abstr.) **(Ger)**
[Chiasma injury following skull trauma (author's transl)] Fulmek R. **Klin Monatsbl Augenheilkd** 167(1):45-54, Jul 75 (Eng. Abstr.) **(Ger)**
[Intensive care measures in severe cranio-cerebral injuries] Kurock W, et al. **Monatsschr Unfallheilkd** 78(9):427-34, Sep 75 **(Ger)**
[Conservative treatment of closed craniocerebral injuries] Schmidt K. **Monatsschr Unfallheilkd** 78(11):500-15, Nov 75 (Eng. Abstr.) **(Ger)**
[Whiplash injuries of the cervical spine and Swiss insurance against accidents (author's transl)] Baur E. **Radiol Clin (Basel)** 44(4):251-64, 1975 (Eng. Abstr.) **(Ger)**
[Radioisotope diagnosis of children with skull and brain injuries] Zubovskij GA, et al. **Radiol Diagn (Berl)** 15(5):667-74, 1974 (Eng. Abstr.) **(Ger)**
[Standard and angiographic diagnosis of cerebrocranial injuries] Friedmann G. **Roentgenpraxis** 28(11):253-63, Nov 75 **(Ger)**
[Treatment of skull and brain damaged patients by the general practitioner] Diemath HE, et al. **Wien Med Wochenschr** 126(8-9):97-9, 27 Feb 76 **(Ger)**
[Functional capacity following skull-brain-injuries] Goldhahn G. **Z Aerztl Fortbild (Jena)** 70(8):429-31, 15 Apr 76 **(Ger)**
[Twilight state after slight skull injury or isolated traumatic amnesia] Müller D. **Z Aerztl Fortbild (Jena)** 69(20):1054-6, 15 Oct 75 **(Ger)**
[Hemiatrophia faciei progressiva following skull injury] Aus der dermatologischen Abteilung im Krankenhaus der Stadt Wien-Lainz.. **Z Hautkr** 50(23):963-7, 1 Dec 75 **(Ger)**
[Survival time, capacity of action and radiological diagnosis after gunshot wounds of the cranium (author's transl)] Klages U, et al. **Z Rechtsmed** 76(4):307-19, 10 Dec 75 (Eng. Abstr.) **(Ger)**
[Organization of the stationary treatment of skull-brain injuries] Blumenthal-Barby K, et al. **Zentralbl Chir** 100(23):1416-23, 1975 **(Ger)**
[Acute myocardial infarct during a course of cranial injury] Pinelli G, et al. **Cardiol Prat** 26(1):19-28, Jan-Jun 75 (Eng. Abstr.) **(Ita)**
[A rare case of thermal burns of the cranial vault] Kępny A, et al. **Wiad Lek** 29(7):655-9, 1 Apr 76 (Eng. Abstr.) **(Pol)**
[Respiratory disorders in acute cranio-meningeal lesions] Mrówka R. **Wiad Lek** 29(4):301-3, 15 Feb 76 **(Pol)**
[Use of polymers in the treatment of skull and brain traumas] Biriuchkov JV. **Polim Med** 5(3):225-40, 1975 (Eng. Abstr.) **(Rus)**
[Diagnosis of combined injuries of the mid-face skull and brain] Borodin IuN. **Stomatologiia (Mosk)** 54(3):43-7, May-Jun 75 (Eng. Abstr.) **(Rus)**
[Injuries of the skull and brain in maxillofacial trauma] Prokop'ev NIa, et al. **Stomatologiia (Mosk)** 54(4):36-8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**
[Surgical treatment of burns of the bones of the cranial vault] Orlov AN, et al. **Vestn Khir** 115(7):97-100, Jul 75 (Eng. Abstr.) **(Rus)**
[Differential diagnosis of traumatic fat embolism, traumatic shock and closed craniocerebral injury] Apanasenko BG, et al. **Voen Med Zh** (11):62-4, Nov 75 **(Rus)**
[Pneumoencephalography in the diagnosis and expertise of the late sequelae of craniocerebral injury] Iusupov TIa, et al. **Voen Med Zh** (4):78-9, Apr 75 **(Rus)**
[Staging of closed craniocerebral trauma] Panov AG, et al. **Voen Med Zh** (6):23-6, Jun 75 **(Rus)**
[Craniocerebral gunshot wounds and the prevention of suppurative complications] Samotokin BA, et al. **Voen Med Zh** (11):22-5, Nov 75 (10 ref.) **(Rus)**
[Changes in the hydroelectrolytic balance and cerebrospinal fluid pressure in the acute period of craniocerebral injury] Volobuev IuM, et al. **Voen Med Zh** (7):60-2, Jul 75 **(Rus)**
[The value of otoneurologic findings for prognosing the outcome of severe cranio-cerebral injury] Blagoveshchenskaia NS, et al. **Vopr Neirokhir** (2):23-7, Mar-Apr 76 (Eng. Abstr.) **(Rus)**
[The pathogenesis of increased intracranial pressure as a sequels of closed cranio-cerebral injury] Leksin EN. **Vopr Neirokhir** (6):31-4, Nov-Dec 75 (Eng. Abstr.) **(Rus)**
[Assessment of the severity of grave cranio-cerebral injury and its outcome according to the state of energy metabolism in the brain] Promyslov MSh, et al. **Vopr Neirokhir** (3):37-40, May-Jun 76 (Eng. Abstr.) **(Rus)**
[Electroroentgenography in neurosurgical practice] Samotokin BA, et al. **Vopr Neirokhir** (2):48-50, Mar-Apr 76 **(Rus)**
[A method of venous occlusion plethysmography for quantitative study of peripheral hemodynamics in cranio-cerebral trauma] Shevelev IN, et al. **Vopr Neirokhir** (3):49-55, May-Jun 75 **(Rus)**
[Anti-brain antibodies in serum and cerebrospinal fluid following cranio-cerebral trauma] Detlav IE. **Zh Nevropatol Psikhiatr** 76(3):344-8, 1976 (Eng. Abstr.) **(Rus)**
[Role of craniocerebral trauma in the development of Alzheimer's disease] Khaime TsB. **Zh Nevropatol Psikhiatr** 76(7):1028-32, 1976 (Eng. Abstr.) **(Rus)**
[Data from a comparative study of traumatic, hallucinatory-delusional psychoses and of hallucinatory-delusional schizophrenia in persons who have experienced skull injury] Nikonova TB. **Zh Nevropatol Psikhiatr** 74(3):416-22, 1974 (Eng. Abstr.) **(Rus)**
[Visual perception, reaction time and their alteration under the influence of alcohol in patients with remote sequelae of closed cranio-cerebral trauma] Reshchikova TN. **Zh Nevropatol Psikhiatr** 75(11):1682-8, 1975 (Eng. Abstr.) **(Rus)**
[Hyperbaric oxygen therapy in the clinical treatment of mental disorders accompanying severe cranio-cerebral trauma] Tishchenko AT. **Zh Nevropatol Psikhiatr** 76(2):262-8, 1976 (Eng. Abstr.) **(Rus)**
[Post-traumatic recurrent sinogenic meningitis] Andreevski A. **God Zb Med Fak Skopje** 17:11-8, 1971 (Eng. Abstr.) **(Ser)**
[Orbital injury during frontobasal communicative cranial injury] Mirčevski M. **God Zb Med Fak Skopje** 21:263-71, 1975 (Eng. Abstr.) **(Ser)**

METABOLISM

Strontium, lead and nickel incorporation into mouse calvaria in vitro. Jacobsen N, et al. **Pathol Eur** 10(2):115-21, 1975

PARASITOLOGY

[Diagnostic importance of laboratory and serological analysis of blood and cerebrospinal fluid in cysticercosis of the posterior cranial fossa] Iushchenko AI. **Lab Delo** (7):409-11, 1975 **(Rus)**

PATHOLOGY

Lamellation of the diploe in the skulls of patients with sickle cell anaemia. Williams AO, et al. **Arch Dis Child** 50(12):948-52, Dec 75
Clinical conference I. Calvarium and cranial base in Apert's syndrome: an autopsy report. Kreiborg S, et al. **Cleft Palate J** 13:296-303, Jul 76
Primary ganglioneuroma of the posterior cranial fossa: case report. Keefe JF, et al. **Milit Med** 141(2):115-6, Feb 76
[A case report of microcephaly] Chouvet G. **Orthod Fr** 45(1):554-63, 1974 (Eng. Abstr.) **(Fre)**
[Contribution to the problem of the persistent sutura frontalis and sutura mendosa (author's transl)] Schmitt HP. **Virchows Arch [Pathol Anat]** 368(3):213-27, 30 Oct 75 (Eng. Abstr.) **(Ger)**
[A clinicopathological study of the cranial 'histiocytosis X' (AUTHOR'S TRANSL)] Imagawa K, et al. **Neurol Surg (Tokyo)** 4(8):747-52, 10 Aug 76 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The effects of orthopedic forces on the craniofacial complex utilizing cervical and headgear appliances. Chaconas SJ, et al. **Am J Orthod** 69(5):527-39, May 76
Differentiation of cartilage from calvarial bone under the influence of bone matrix gelatin in vitro. Terashima Y, et al. **Clin Orthop** (113):168-77, Nov-Dec 75
Bone lipids of Kona coast reef fish: skull buoyancy in the hawkfish, Cirrhites pinnulatus. Phleger CF. **Comp Biochem Physiol [B]** 52(1):101-4, 15 Sep 75

Experimental strain analysis of infant, adolescent and adult miniature swine skulls subjected to timulated mastication forces. Fisher JL, et al. **J Biomech** :333–8, 1976

Response of human and anthropometric model skulls to impact loading. Townsend MA, et al. **Med Biol Eng** 13(3):405–13, May 75

[Mutual dependence of the visceral and cerebral cranium for stress resistance] Ehler E, et al. **Anat Anz** 138(3):152–63, 1975 **(Ger)**

[Data on the static and dynamic rigidity of the calvaria (author's transl)] Kapusz N. **Z Rechtsmed** 76(1):37–40, 5 Sep 75 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The physics of the cranial cavity, hydrocephalus and normal pressure hydrocephalus: mechanical interpretation and mathematical model. Hakim S, et al. **Surg Neurol** 5(3):187–210, Mar 76

[Cerebral injuries and intracranial lo.alization] Amphoux M, et al. **Agressologie** 16 Spec No A:47–54, 1975 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Cisternography with the non-ionic water-soluble contrast medium metrizamide. A preliminary report. Grepe A. **Acta Radiol [Diagn] (Stockh)** 16(2):146–60, Mar 75

Individualized computer tomography of the skull with the EMI scanner using the 160 X 160 matrix. Cornell SH, et al. **Am J Roentgenol** 126(4):779–85, Apr 76

Normal variants and congenital anomalies in the region of the obelion. Currarino G. **Am J Roentgenol** 127(3):487–94, Sep 76

Unusual foreign bodies associated with cranial trauma. Freed TA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):839–41, Dec 75

A radiographic investigation of some 19th century skulls using a rotary cephalostat. Part 1. Shuff RY. **Br Dent J** 140(8):261–3, 20 Apr 76

A radiographic investigation of some 19th century skulls using a rotary cephalostat. Part 2. Shuff RY. **Br Dent J** 140(10):343–7, 18 May 76

Results of the use of a new water-soluble contrast medium (metrizamide) in the posterior fossa of the baboon. Wylie IG, et al. **Br J Radiol** 48(576):1007–12, Dec 75

Radiological features of the skull in Klinefelter's syndrome and male hypogonadism. Kosowicz J, et al. **Clin Radiol** 26(3):371–8, Jul 75

Roentgencephalometry of infants: 1949–1973. pp. 101–17. Pruzansky S.
In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.

Angiotomography of the posterior fossa. pp. 52–62. Newton TH, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Angiography of the posterior fossa: the basilar artery and anterior inferior cerebellar artery. pp. 2–33. Takahashi M.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Radiology clinic. Reich NE, et al. **J Am Osteopath Assoc** 75(2):216–8, Oct 75

Epidermoid cyst of skull. Ochsner SF. **J La State Med Soc** 127(11):421–2, Nov 75

Estimation of fetal age and weight from radiographic skull diameters in the rhesus monkey (Macaca mulatta). Ferron RR, et al. **J Med Primatol** 5(1):41–8, 1976

Jugular venography for evaluation of abnormalities of the skull base. Quencer RM, et al. **J Neurosurg** 44(4):485–92, Apr 76

Cranial and orbital epidermoid tumours. Arseni C, et al. **J Neurosurg Sci** 19(3):139–51, Jul–Sep 75

Computer-assisted cranial tomography in early diagnosis of tuberous sclerosis. Martin GI, et al. **JAMA** 235(21):2323–4, 24 May 76

Radiological case of the month. Cephalohematoma of the skull. Naravac RC. **Md State Med J** 25(2):31–2, Feb 76

Posterior fossa, aqueduct and fourth ventricle of the living mouse studied by positive contrast and plain radiography. Masters C, et al. **Neuroradiology** 11(2):93–7, 31 May 76

Rotational cerebral roentgenography. I. Evaluation of the technical procedure and diagnostic application with model studies. Voigt K, et al. **Neuroradiology** 10(2):95–100, 21 Nov 75

Computed tomography in the diagnosis of posterior fossa lesions. Baker HI Jr, et al. **Radiol Clin North Am** 14(1):129–47, Apr 76

Importance of horizontal beam for lateral view of skull in pediatric radiography. Haller JO, et al. **Radiol Technol** 47(3):150–2, Nov–Dec 75

Familial 'doughnut' lesions of the skull. A benign, hereditary dysplasia. Bartlett JE, et al. **Radiology** 119(2):385–7, May 76

The peripheral zone of increase density in cranial computed tomography. Gado M, et al. **Radiology** 117(1):71–4, Oct 75

The diagnostic value of hyperostosis in midline subfrontal meningioma. Lee KF. **Radiology** 119(1):121–30, Apr 76

The anterior inferior cerebellar artery in mass lesions. Preliminary findings with emphasis on the lateral projection. Naidich TP, et al. **Radiology** 119(2):375–83, May 76

Computed tomography in the diagnosis of extra-axial posterior fossa masses. Naidich TP, et al. **Radiology** 120(2):333–9, Aug 76

Computed tomography in the diagnosis of extra-axial posterior fossa masses. Naidich TP, et al. **Radiology** 120(2):333–9, Aug 76

Calvarial and vertebral sarcoidosis. Case report and review of the literature. Zimmerman R, et al. **Radiology** 119(2):384, May 76

Chronic arachnoiditis after a pantopaque study of the posterior fossa. Mortara RH, et al. **South Med J** 69(4):520–1, Apr 76

[Some problems of typological angiographic diagnostics of tumours in the posterior fossa of the skull (author's transl)] Cerňoch Z, et al. **Cas Lek Cesk** 114(52):1618–20, 26 Dec 75 (Eng. Abstr.) **(Cze)**

[Xeroradiography in the scope of the face and skull] Wannenmacher M, et al. **Acta Stomatol Belg** 72(4):781–6, 1975 **(Ger)**

[Performance spectrum of xeroradiography in the region of the face and skull] Wannenmacher M, et al. **Acta Stomatol Belg** 72(4):781–6, 1975 **(Ger)**

[Skull tomography. Guiding principles and atlas] Reisner K, et al. **Arch Atlas Norm Pathol Anat Roentgenbild** 102:1–200, 1973 **(Ger)**

[The effect of form and extent of movement in multi-dimensional tomography (author's transl)] Galanski M. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):174–7, Aug 76 (Eng. Abstr.) **(Ger)**

[Radiological investigations of over-modelled skulls from New Ireland (Melanesia) (author's transl)A1 Herrmann B, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):181–4, Aug 76 (Eng. Abstr.) **(Ger)**

[Computerized axial tomography of the skull – diagnostic possibilities and clinical results (author's transl)] Kazner E, et al. **Fortschr Neurol Psychiatr** 43(10):487–574, Oct 75 (Eng. Abstr.) **(Ger)**

[Problems and results of skull x-ray following vacuum extraction (author's transl)] Endl J, et al. **Geburtshilfe Frauenheilkd** 35(12):943–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Radiological pictures of the skull following brain-tumor surgery] Koch RD, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(3):129–33, Mar 75 (Eng. Abstr.) **(Ger)**

[Computerized tomography of the skull: new dimension of the x-ray diagnosis] Elke M, et al. **Roentgenpraxis** 29(1):1–11, Jan 76 **(Ger)**

[Diagnostic contribution: the misinterpretation of radiographs] Sonnenburg I, et al. **Stomatol DDR** 25(7):487–90, Jul 75 **(Ger)**

[Congenital skull changes in Recklinghausen's neurofibromatosis] Prager PJ, et al. **Strahlentherapie** 152(1):43–51, Jul 76 (Eng. Abstr.) **(Ger)**

[Neuroradiologic diagnosis of basal tumors of the middle cranial foram] Michalik M, et al. **Zentralbl Neurochir** 36(1):1–10, 1975 (Eng. Abstr.) **(Ger)**

[Simple radiographic observation of the primary changes of the skull in neurofibromatosis] Koyama T, et al. **Arch Jpn Chir** 44(3):226–33, 1 May 75 (Eng. Abstr.) **(Jpn)**

[Simple cranial radiography of head injuries in children] Okada J, et al. **Jpn J Clin Radiol** 20(11):1021–5, Oct 75 **(Jpn)**

[Roentgen diagnosis of the posterior fossa structure. Outline of the posterior fossa and infratentorial space (author's transl)] Kuru Y, et al. **Neurol Med Chir (Tokyo)** 16(1 Pt 2):79–82, Jan 76 **(Jpn)**

[Rare appearance of the skull in a child with cerebral astrocytoma] Kurzaj E, et al. **Pediatr Pol** 50(9):1147–51, Sep 75 **(Pol)**

[A simplified method of determination of normal position of calcified pineal gland (author's transl)] Prochaski B. **Pol Przegl Radiol** 40(3):157–62, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Limited forms of fibrous osteodysplasia of cranial bones] Szwaykowski W, et al. **Pol Przegl Radiol** 39(5):538–46, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[X-ray diagnosis of intracranial changes in acromegaly] Ledić S, et al. **Vojnosanit Pregl** 32(5):479–83, Sep–Oct 75 (Eng. Abstr.) **(Ser)**

[Diagnostic benefits of skull radiography in patients with and without trauma] Bergström K, et al. **Lakartidningen** 72(43):4164–6, 22 Oct75 (Eng. Abstr.) **(Swe)**

[The value of skull x-ray in children—analysis of a 3-year material] Danielsson L. **Lakartidningen** 72(34):3135–7, 20 Aug 75 (Eng. Abstr.) **(Swe)**

[Editorial: Indications for acute skull radiography] Lindgren S. **Lakartidningen** 72(38):3521–2, 17 Sep 75 **(Swe)**

SURGERY

Influence of layer-by-layer plasty of skull and treatment with hydrocortisone on healing of meningo-cerebral injuries. Sergeyev LB. **Acta Chir Plast (Praha)** 17(4):231–8, 1975

Tension pneumocephalus after posterior-fossa craniotomy, a complication of the sitting position. Kitahata LM, et al. **Anesthesiology** 44(5):448–50, May 76

Custom implants for reconstruction of craniofacial defects. Mohler LR, et al. **Arch Surg** 111(4):452–5, Apr 76

The pursuit of symmetry in cranio-facial surgery. van der Meulen JC. **Br J Plast Surg** 29(1):85–91, Jan 76

Advantages of the prone position for neurosurgical procedures on the upper cervical spine and posterior cranial fossa in children. Humphreys RP, et al. **Childs Brain** 1(6):325–36, 1975

Reconstruction of cranial defects. Shaw RC, et al. **Clin Plast Surg** 2(4):539–49, Oct 75 (48 ref.)

Craniofacial contour defect reconstruction with a dacron/urethane composite: an alloplastic tray for bone induction fabrication and application. Leake DL, et al. **J Biomed Mater Res** 10(4):555–60, Jul 76

Problems in cranio-facial surgery. Whitaker LA, et al. **J Maxillofac Surg** 4(3):131–6, Sep 76

Bone graft reconstruction of the skull. Becker GL Jr, et al. **J Med Soc NJ** 73(1):41–3, Jan 76

Cerebrospinal fluid fistula from fractured acrylic cranioplasty plate. Case report. Henry HM, et al. **J Neurosurg** 45(2):227–8, Aug 76

Lateral canthal advancement of the supraorbital margin. A new corrective technique in the treatment of coronal synostosis. Hoffman HJ, et al. **J Neurosurg** 45(4):376–81, Oct 76

Repair of denuded cranial bone by bone splitting and free-skin grafting. Jensen F, et al. **J Neurosurg** 44(6):728–31, Jun 76

Sagittal synostectomy. Technical note. Venes JL, et al. **J Neurosurg** 44(3):390–2, Mar 76

Clival chordoma. Tarshis LM, et al. **J Otolaryngol** 5(3):243–6, Jun 76

Some aspects of skull base surgery. Hamberger CA. **J Otolaryngol Jpn** 78(10):1086–94, 20 Oct 75

A new method for reconstruction of severe craniofacial deformities. Habal MB, et al. **Surg Gynecol Obstet** 142(5):751–2, May 76

A new method for reconstruction of major defects in the cranial vault. Habal MB, et al. **Surg Neurol** 6(2):137–8, Aug 76

[Osteotomy for advancement of the face and skull] Marchac D, et al. **Ann Chir Plast** 19(4):311–23, 1974 (Eng. Abstr.) **(Fre)**

[Restoration of the cranial vault. Value of cranioplasties (apropos of 80 operated cases)] Stricker M, et al. **Ann Chir Plast** 19(4):289–96, 1974 (Eng. Abstr.) **(Fre)**

[Technic of cranioplasty using a rib graft] Lambert H, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):549–51, Sep 75 **(Fre)**

[Free transplant of the greater omentum into the cranial vault. Apropos of 3 cases with vascular micro-anastomoses] Banzet P, et al. **Chirurgie** 102(6):457–61, Jun 76 (Eng. Abstr.) **(Fre)**

[Letter: The separation of craniopagic twins] Duhamel B. **Nouv Presse Med** 4(24):1811, 14 Jun 75 **(Fre)**

[Letter: Cranioplasty by double rib grafts. The method of protective lattice-work] Fagarasanu I. **Nouv Presse Med** 4(30):2199–200, 20 Sep 75 **(Fre)**

[Recent progress in the reconstruction of large scalp defect and the craniofacial surgery (author's transl)] Fukuda O. **Neurol Surg (Tokyo)** 3(10):805–11, 10 Oct 75 **(Jpn)**

[Subcutaneous preservation of free skull bone flap taken out in decompressive craniectomy (author's transl)] Nakajima T, et al. **Neurol Surg (Tokyo)** 3(11):925–7, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[The use of reinforced zcrylic mass in cranioplasty] Kalinowski R. **Polim Med** 4(1):13–58, 1974 (Eng. Abstr.) **(Pol)**

[Results of primary autoplasty of defects of the cranial vault with bone crumbs] Volobuev IuM. **Klin Khir** (7):37–9, Jun 75 **(Rus)**

[Surgical problems arising from delayed cranioplasty] Mirčevski M, et al. **Med Pregl** 28(11–12):509–12, 1975 (Eng. Abstr.) **(Ser)**

SKULL FRACTURES

Letter: Compound elevated skull fractures. Verdura J, et al. **J Neurosurg** 45(2):245, Aug 76

Orbital roof fractures. Bloem JJ, et al. **Mod Probl Ophthalmol** 14:510–2, 1975

Fractures of the middle third of the face. Hovinga J. **Mod Probl Ophthalmol** 14:513–32, 1975

Blow-out fracture of the medial wall of the orbit. Prasad SS. **Mod Probl Ophthalmol** 14:493–505, 1975

Naso-orbital fractures. Ramselaar JM, et al. **Mod Probl Ophthalmol** 14:607–10, 1975

[Circular fractures of the skull base during traffic accidents] Mérignargues G, et al. **Nouv Presse Med** 4(31):2245–8, 27 Sep 75 (Eng. Abstr.) **(Fre)**

[Clinical aspects and prognosis of skull impression fractures] Braun L, et al. **Med Monatsschr** 29(12):545–7, Dec 75 **(Ger)**

[Experimental studies of skull fracture in the temporal region (author's transl)] Matsui T, et al. **Neurol Surg (Tokyo)** 3(2):123–9, Feb 75 (Eng. Abstr.) **(Jpn)**

[Depressed fractures of bones of the cranial vault in infants under 1 year of age] Nemsadze VP, et al. **Ortop Travmatol Protez** (9):47–50, Sep 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Attempt at classification of frontonasal injuries] Peri G, et al. **Ann Chir Plast** 19(4):297–303, 1974 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Complication of linear skull fracture in young children. Haar FL. **Am J Dis Child** 129(10):1197–200, Oct 75
An unusual case of growing fracture of the skull in childhood. Rao BD. **Br J Surg** 63(2):145–6, Feb 76
Growing skull fractures of childhood. Possible mechanism of its focal ventricular dilatation. Sato O, et al. **Childs Brain** 1(2–3):148–57, 1975
Delayed bilateral facial palsy following trauma. Cohen D. **Eye Ear Nose Throat Mon** 54(8):323–5, Aug 75
Complications of orbital fractures. Their prevention and treatment. Tenzel RR. **Eye Ear Nose Throat Mon** 54(8):305–7, Aug 75
Traumatic pneumocephalus. Ramsden RT, et al. **J Laryngol Otol** 90(4):345–55, Apr 76
Letter: Antibiotics for basilar skull fracture. Hoff JT, et al. **J Neurosurg** 44(5):649, May 76
Radionuclide cisternographic evaluation and follow-up of posttraumatic subconjunctival CSF loculation. Case report. McLennan JE, et al. **J Neurosurg** 44(4):496–9, Apr 76
Compound elevated fractures of the skull. Ralston BL. **J Neurosurg** 44(1):77–9, Jan 76
Iatrogenic skull fracture depression by use of a head clamp. Biber MP. **JAMA** 235(4):414–5, 26 Jan 76
Some problems in therapy of traumatic enophthalmos. Fries R. **Mod Probl Ophthalmol** 14:637–40, 1975
Treatment of enophthalmic narrow palpebral fissure after blow-out fracture. Putterman AM, et al. **Ophthalmic Surg** 6(3):45–9, Fall 75
The spectrum of growing skull fracture in children. Rothman L, et al. **Pediatrics** 57(1):26–31, Jan 76
Posttraumatic subepicranial varix. Mori K, et al. **Surg Neurol** 5(6):337–9, Jun 76
[Indirect injury of the optic nerve in fractures of the middle facial third] Machálka M. **Cesk Stomatol** 76(3):191–5, Jun 76 (Eng. Abstr.) **(Cze)**
[Clinical and social fate of craniocerebral injuries in young adults] Girard V, et al. **Ann Med Psychol (Paris)** 1(3):321–66, Mar 76 (Eng. Abstr.) **(Fre)**
['Lest amenities' in psychic sequelae of cranial injuries] Martimor E. **Ann Med Psychol (Paris)** 1(2):219–23, Feb 76 **(Fre)**
[Suture and graft of intratemporal sections of the facial nerve] Charachon R, et al. **J Fr Otorhinolaryngol** 25(2):147–51, Feb 76 **(Fre)**
[Acute purulent meningitis of traumatic origin. 16 cases] Bastin R, et al. **Nouv Presse Med** 5(6):330–4, 7 Feb 76 (Eng. Abstr.) **(Fre)**
[Letter: Meningitis caused by Bacteroides fragilis and mastoiditis caused by anaerobic bacteria after cranial injury] Drugeon H, et al. **Nouv Presse Med** 5(13):865, 27 Mar 76 **(Fre)**
[Bitemporal hemianopsia, diabetes insipidus and post-traumatic rhinorrhea] Philippides D, et al. **Rev Otoneuroophtalmol** 47(3):219–26, May-Jun 75 **(Fre)**
[Involvement of the anterior skull base in fractures of the mid-face] Hausamen JE, et al. **Fortschr Kiefer Gesichtschir** 19:134–6, 1975 **(Ger)**
[Frontobasal cerebrospinal fluid fistula—diagnosis and therapy from the neurosurgeon's point of view] Lévy A. **Fortschr Kiefer Gesichtschir** 19:129–31, 1975 **(Ger)**
[Rhinoliquorhea in mid-facial fractures] Philipp U, et al. **Fortschr Kiefer Gesichtschir** 19:136–7, 1975 **(Ger)**
[Central hearing loss in patients with fronto-basal fractures of the skull (author's transl)] Dieroff HG. **Laryngol Rhinol Otol (Stuttg)** 54(9):734–40, Sep 75 (Eng. Abstr.) **(Ger)**
[Early complications and mortality of craniocerebral injury] Sölch O, et al. **Z Aerztl Fortbild (Jena)** 69(22):1158–62, 15 Nov 75 **(Ger)**
[Fractures of the styloid process with simultaneous mandibular fracture] Hatzifotiadis D. **Zahn Mund Kieferheilkd** 63(7):676–80, 1975 **(Ger)**
[Adenohypophyseal insufficiency in a 17-year-old girl with cranial lesion caused by road accident] Podkul D, et al. **Endokrynol Pol** 27(1):105–9, Jan–Feb 76 (Eng. Abstr.) **(Pol)**
[Localized traumatic meningocerebral dilaceration. Surgical indications] Rusu M. **Rev Med Intern [Neurol Psihiatr]** 19(4):353–60, Jul–Sep 74 (Eng. Abstr.) **(Rum)**
[Character of the neuro-humoral interrelationships and the function of external respiration in combined injuries to the skull and locomotor system] Bazarevich Gla, et al. **Ortop Travmatol Protez** (1):38–41, Jan 76 (Eng. Abstr.) **(Rus)**
[Treatment of cerebrospinal rhinorrhea with pneumocephalus after fractures of the frontal sinuses and base of the skull] Rutenburg MD. **Vestn Otorinolaringol** (2):75–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Clinical picture and diagnosis of intracranial hematomas in severe closed craniocerebral injury] Panichev AF, et al. **Voen Med Zh** (2):31–3, Feb 76 **(Rus)**
[Diagnosis of closed craniocerebral injury in cases of alcoholic intoxication] Tomilin VV, et al. **Voen Med Zh** (2):34–7, Feb 76 **(Rus)**
[Prolonged cerebrospinal rhinorrhea after open cranio-cerebral trauma] Krugliachenko AA, et al. **Zh Ushn Nos Gorl Bolezn** (2):108–10, Mar–Apr 75 **(Rus)**

DIAGNOSIS

[Facial injuries] Nicolétis C, et al. **J Chir (Paris)** 109(4):495–514, Apr 75 (Eng. Abstr.) **(Fre)**
[Diagnostic and therapeutic problems in temporo- and sinuso-basal fistulas] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 20(3):161–9, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Compound depressed skull fracture. O'Riordan WD, et al. **JACEP** 5(2):123–4, Feb 76
[Data on the static and dynamic rigidity of the calvaria (author's transl)] Kapusz N. **Z Rechtsmed** 76(1):37–40, 5 Sep 75 (Eng. Abstr.) **(Ger)**

MORTALITY

[Incidence of blood aspiration in fatal fractures of the base of the skull] István B, et al. **Magy Traumatol Orthop** 19(2):118–20, 1976 (Eng. Abstr.) **(Hun)**

OCCURRENCE

[Incidence of fractures of the facial bones] Jirava E, et al. **Cesk Stomatol** 76(1):50–5, Jan 76 (Eng. Abstr.) **(Cze)**
[Cranio-facial fractures occurring at work in state-owned industrial plant] Chabin M, et al. **Czas Stomatol** 29(3):245–8, Mar 76 (Eng. Abstr.) **(Pol)**
[Statistical survey of 5218 cases of craniofacial fractures treated at the Department of Maxillofacial Surgery of the Medical Academy at Wroclaw during 1961–1971] Pawela T, et al. **Czas Stomatol** 29(3):237–43, Mar 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Traumatic disorders of pituitary-hypothalamic function. I. Excretion of follicule-stimulating hormone after closed head injury. A preliminary investigation. Joele LJ, et al. **Appl Neurophysiol** 38(2):110–4, 1975
Short-term recognition memory in relation to severity of head injury. Levin HS, et al. **Cortex** 12(2):175–82, Jun 76
[Mechanics of solitary microfractures of the paper plate in the olfactory bone] Dürrer J, et al. **Cesk Otolaryngol** 24(4):204–7, Aug 75 (Eng. Abstr.) **(Cze)**
[The EEG after frontal and frontobasal skull and brain injury (author's transl)] Lorenzoni E, et al. **J Neurol** 211(3):275–88, 13 Feb 76 (Eng. Abstr.) **(Ger)**
[Peripheral microcirculatory disorders in severe cranio-cerebral injuries] Dash'ian GG. **Zh Nevropatol Psikhiatr** 76(3):325–9, 1976 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Fractures of the temporal bone involving the ear. Roche J. **Australas Radiol** 19(4):317–25, Dec 75
Jugular venography for evaluation of abnormalities of the skull base. Quencer RM, et al. **J Neurosurg** 44(4):485–92, Apr 76
Radiographic detectability of occipital and temporal-parietal fractures induced in cadaver heads. Webber RL, et al. **J Trauma** 16(2):115–24, Feb 76
Editorial: Occult compound skull fractures. Bouzarth WF. **JACEP** 5(2):133, Feb 76
[Simple cranial radiography of head injuries in children] Okada J, et al. **Jpn J Clin Radiol** 20(11):1021–5, Oct 75 **(Jpn)**
[Clinical x-ray characteristics of fractures of the base of the skull] Pustovoĭtenko VT. **Voen Med Zh** (4):68–70, Apr 76 **(Rus)**
[Diagnostic benefits of skull radiography in patients with and without trauma] Bergström K, et al. **Lakartidningen** 72(43):4164–6, 22 Oct75 (Eng. Abstr.) **(Swe)**

SURGERY

Orbital floor 'blowout' fractures. Reconstruction using autogenous maxillary wall bone grafts. Mandel MA. **Am J Surg** 130(5):590–5, Nov 75
Letter: Centuries of compound depressed skull fracture management. Jelenko C. **JACEP** 5(4):278, Apr 76
Long-term follow-up of orbital blow-out fractures with and without surgery. Dulley B, et al. **Mod Probl Ophthalmol** 14:467–70, 1975
Follow-up of orbital fractures treated surgically. Gillissen JP, et al. **Mod Probl Ophthalmol** 14:471–3, 1975
Blepharoplasty incision for blow-out fracture repair. Guibor P, et al. **Mod Probl Ophthalmol** 14:630–6, 1975
Surgical reconstruction of blow-out fracture. Hollwich F, et al. **Mod Probl Ophthalmol** 14:645–9, 1975
Orbital floor support using silicone tubes. Kumpf W. **Mod Probl Ophthalmol** 14:489–92, 1975
Reconstruction of the orbital roof by acrylic prosthesis. Mayer R, et al. **Mod Probl Ophthalmol** 14:506–9, 1975
Titanium cranioplasty in the repair of skull defects. Murdoch A. **Nurs Times** 72(37):1426–9, 16 Sep 76
Blowout fractures of the orbit. Gozum E. **Otolaryngol Clin North Am** 9(2):477–87, Jun 76
Considerations in the treatment of orbital floor fractures. Rathbun JE. **Trans Pac Coast Otoophthalmol Soc** 56:85–90, 1975
[The periorbit. Its role in the genesis of static and dynamic sequeleae of orbital fractures] Stricker M. **Ann Chir Plast** 20(2):157–62, 1975 (Eng. Abstr.) **(Fre)**
[Signs, therapy and follow-up of cases with pure blow-out fractures of the orbit (author's transl)] Herzau V. **Albrecht von Graefes Arch Klin Ophthalmol** 196(2):143–51, 6 Aug 75 (Eng. Abstr.) **(Ger)**
[Surgical technic for the prevention of postoperative telecanthus in naso-ethmoidal fractures] Härle F, et al. **Fortschr Kiefer Gesichtschir** 19:147–8, 1975 **(Ger)**
[Importance of joint operative action in mid-facial fractures and fractures of the frontal cranial base by the dental surgeon and the otolaryngologist] Langnickel R, et al. **Fortschr Kiefer Gesichtschir** 19:132–4, 1975 **(Ger)**
[Results of osteoplastic repair of skull defects] Maerker R, et al. **Fortschr Kiefer Gesichtschir** 20:47–9, 1976 **(Ger)**
[Osteoplasty of the frontozygomatic suture in fractures of the mid-facial region] Steinhilber W. **Fortschr Kiefer Gesichtschir** 20:28–30, 1976 **(Ger)**
[The fronto-orbital approach in the treatment of post-traumatic fronto-basal cerebrospinal rhinorrhoea in children (author's transl)] Pirsig W, et al. **HNO** 23(3):74–81, Mar 75 (Eng. Abstr.) **(Ger)**
[The management of intratemporal facial nerve lesions (author's transl)] Rudert H. **HNO** 23(10):297–306, Oct 75 (Eng. Abstr.) **(Ger)**
[Unusual courses of orbit-floor-fracture (author's transl)] Müller-Jensen K, et al. **Klin Monatsbl Augenheilkd** 167(4):596–600, Oct 75 (Eng. Abstr.) **(Ger)**
[Mistakes and dangers in the treatment of facial fractures] Jahnke V. **Laryngol Rhinol Otol (Stuttg)** 55(4):315–22, Apr 76 (Eng. Abstr.) **(Ger)**
[Indication for surgery in frontobasal cranio-cerebral injuries. Statistical retrospective study] Schröttner O, et al. **Monatsschr Unfallheilkd** 78(9):423–6, Sep 75 (Eng. Abstr.) **(Ger)**
[Open brain injury] Höfinger H. **Wien Med Wochenschr** 126(8–9):100, 27 Feb 76 **(Ger)**
[Unusual form of an open skull-brain injury] Wagemann W, et al. **Z Aerztl Fortbild (Jena)** 69(10):538–9, 15 May 75 **(Ger)**
[Indications for the surgical management of impression fractures of the skull] Siedschlag WD, et al. **Zentralbl Chir** 100(25):1547–55, 1975 **(Ger)**
[Cranio-facial mutilating injuries. Therapeutic problems] Arseni C, et al. **Rev Chir [Chir]** 23(7):629–35, Jul–Aug 74 (Eng. Abstr.) **(Rum)**
[A means of repositioning depressed fractures of the cranial vault] Makarov NG. **Vopr Neirokhir** (6):48–50, Nov–Dec 75 **(Rus)**
[Orbital injury during frontobasal communicative cranial injury] Mirčevski M. **God Zb Med Fak Skopje** 21:263–71, 1975 (Eng. Abstr.) **(Ser)**

THERAPY

Management of depressed skull fracture in the newborn. Loeser JD, et al. **J Neurosurg** 44(1):62–4, Jan 76
Therapy of blow-out fractures. Aichmair H. **Mod Probl Ophthalmol** 14:460–6, 1975
[Primary treatment of naso-ethmoidal fractures] Neuner O. **Fortschr Kiefer Gesichtschir** 19:141–4, 1975 **(Ger)**

VETERINARY

Occipital fracture in a foal. Shideler RK, et al. **Vet Med Small Anim Clin** 71(2):218–9, Feb 76

SKULL NEOPLASMS

Proceedings: Diagnosis and clinical picture of meningiomas of the sphenoid wing. Kienecker EW, et al. **Acta Neurochir (Wien)** 31(3–4):281, 1975
Proceedings: Suprasellar meningiomas. Krenkel W, et al. **Acta Neurochir (Wien)** 31(3–4):280, 1975
Proceedings: Experience with meningiomas in the posterior fossa. Ledinski G. **Acta Neurochir (Wien)** 31(3–4):284–5, 1975
Letter: Giant cell tumor of the temporal bone. Lehrer S, et al. **Arch Neurol** 33(9):663, Sep 76
Cranial bony changes in ocular neurofibromatosis. Shoukry I, et al. **Bull Ophthalmol Soc Egypt** 67:283–305, 1974
Primary liposarcoma of the skull. Srivastava KP, et al. **Int Surg** 61(4):234, Apr 76
Glioma of the jugular foramen. Case report. Lee SH, et al. **J Neurosurg** 44(4):493–5, Apr 76
Adenomatous tumors of the middle ear and mastoid. Derlacki EL, et al. **Laryngoscope** 86(8):1123–35, Aug 76
Meningiomas of the temporal bone. Guzowski J, et al. **Laryngoscope** 86(8):1141–6, Aug 76
Metastatic disease of the temporal bone. Stucker FJ, et al. **Laryngoscope** 86(8):1136–40, Aug 76
Letter: Meningioma. Scott M. **Surg Neurol** 6(1):54–5, Jul 76
[Giant osteoma of the mastoid] Simon C, et al. **J Fr Otorhinolaryngol** 25(2):171–2, Feb 76 **(Fre)**
[Intraosseous meningioma in a child] Choux R, et al. **Neurochirurgie** 21(1):89–97, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Clinical and therapeutic reflections on 10 cases of meningioma of the posterior fossa] Ito I, et al. **Rev Otoneuroophtalmol** 47(5):327–38, Oct–Dec 75 **(Fre)**
[Intraosseous meningioma] de Almeida GM, et al. **Arq Neuropsiquiatr** 33(3):268–71, Sep 75 (Eng. Abstr.) **(Por)**
[Two uncommon cases of cranial base tumours: osteoclastoma and aneurysmal bone cyst (author's transl)] Revuelta M, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(191):19–23, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Proceedings: Meningioma of the middle cranial fossa and epidermoid tumor of the clivus and cerebellopontine angle

in the same patient. Thomalske G, et al. **Acta Neurochir (Wien)** 31(3–4):282, 1975

Juxtasellar hyperostosis of non–meningiomatous origin. Lee KF, et al. **J Neurosurg** 44(5):571–9, May 76

Posterior fossa tumors with pathological laughter. Achari AN, et al. **JAMA** 235(14):1469–71, 5 Apr 76

[Myasthenia, thymoma and hypophyseal tumor associated with heterogenous adenomatous proliferation and ganglioneuroma of the sella turcica] Lapresle J, et al. **J Neurol Sci** 28(2):249–54, Jun 76 **(Fre)**

[Spontaneous rhinorrhea of unusual etiology] Guegan Y, et al. **Neurochirurgie** 21(6):507–14, Nov 75 (30 ref.) (Eng. Abstr.) **(Fre)**

[Ollier's disease with multiple involvement of the cranial nerves in a chondroma of the skull base] Lapresle J, et al. **Nouv Presse Med** 5(7):419–21, 14 Feb 76 **(Fre)**

[Generalized crises, gelastic epilepsy and temporal tumor] Bancaud J, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(1):163–74, Jan–Mar 74 (Eng. Abstr.) **(Fre)**

[Ocular signs of spheno–occipital chordomas. A propos of a case] Adenis JP, et al. **Rev Otoneuroophtalmol** 47(2):129–33, Mar–Apr 75 **(Fre)**

[Signs of ophthalmologic involvement in tumors of the base of the cranium. A propos of a series of 42 cases] Boudet C, et al. **Rev Otoneuroophtalmol** 47(2):119–21, Mar–Apr 75 **(Fre)**

[Neoplastic 'acute mastoiditis' in childhood (author's transl)] Jahnke V, et al. **Laryngol Rhinol Otol (Stuttg)** 54(8):692–4, Aug 75 (Eng. Abstr.) **(Ger)**

[Case of giant meningioma of the small wing of the sphenoid bone in a 9–year–old boy] Bojarski Z, et al. **Neurol Neurochir Pol** 9(5):671–4, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Neurological and ocular symptoms in juvenile angiofibromas of the cranial base] Iartseva NS, et al. **Vestn Oftalmol** (1):57–9, 1976 **(Rus)**

DIAGNOSIS

Proceedings: Value of joint neuroradiological and angioscintigraphic investigation of meningiomas. Deisenhammer E, et al. **Acta Neurochir (Wien)** 31(3–4):288, 1975

Proceedings: A new method for identifying meningiomas: structural alterations of the skull. Erbs G, et al. **Acta Neurochir (Wien)** 31(3–4):287, 1975

Proceedings: Meningiomas of the sellar region. Halves E, et al. **Acta Neurochir (Wien)** 31(3–4):280–1, 1975

Proceedings: Osteomas and meningiomas. Lopez–Brugos C. **Acta Neurochir (Wien)** 31(3–4):287, 1975

Proceedings: Possibilities and limitations of scintigraphy in diagnosing meningiomas. Wilcke O. **Acta Neurochir (Wien)** 31(3–4):287–8, 1975

Occult tumors of the infratemporal fossa: report of seven cases appearing as preauricular facial pain. Shapshay SM, et al. **Arch Otolaryngol** 102(9):535–8, SEP 76

Diagnostic and therapeutic problems concerning tumors of the vault. Choux M, et al. **Childs Brain** 1(4):207–16, 1975

Embryonal rhabdomyosarcoma of the middle ear and mastoid. Andreevski A, et al. **God Zb Med Fak Skopje** 20:565–9, 1974

Meningioma involving nose and anterior cranial fossa. Shuangshoti S, et al. **J Med Assoc Thai** 58(12):642–5, Dec 75

Brain and bone scans in primary Ewing's sarcoma of the petrous bone. Fitzer PM, et al. **J Neurosurg** 44(5):608–12, May 76

Radionuclide cerebral angiographic evaluation of a diploic extracranial meningioma: case report. Klein EW, et al. **J Nucl Med** 16(9):833–4, Sep 75

Solitary lytic lesion of the skull. Curtis DJ, et al. **Radiology** 119(3):575–9, Jun 76

Computed tomography in the detection of juxtasellar lesions. Reich NE, et al. **Radiology** 118(2):333–5, Feb 76

[Primary intrapetrous meningioma] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):530–5, Sep 75 **(Fre)**

[Initial mastoid localisation of acute leukemia in a child (author's transl)] De Micco C, et al. **Arch Anat Cytol Pathol** 24(3):195–201, 1976 (Eng. Abstr.) **(Fre)**

[Primary ethmoidal tumor of secondary localization in a prostatic epithelioma] Bec P, et al. **Bull Soc Ophtalmol Fr** 74(9–10):975–6, Sep–Oct 74 **(Fre)**

[The scintigraphic diagnosis of meningiomas (author's transl)] Erbs G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):308–10, Oct 75 (Eng. Abstr.) **(Ger)**

[Problems of intracranial extension of malignant disease of the nose and sinuses (author's transl)] Scholtz HJ. **Laryngol Rhinol Otol (Stuttg)** 54(7):577–86, Jul 75 (Eng. Abstr.) **(Ger)**

[Scintiscanning of the bone of the skull using Tc99m–pyrophosphate] Smaltino F, et al. **Acta Neurol (Napoli)** 30(1):62–70, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Sarcoma of the clivus. Diagnosis and therapy] Gajno MT, et al. **Minerva Pediatr** 27(38):2128–36, 1 Dec 75 (Eng. Abstr.) **(Ita)**

[Bone scintigraphy in neurosurgical practice (author's transl)] Handa J, et al. **Neurol Surg (Tokyo)** 3(5):399–405, May 75 (Eng. Abstr.) **(Jpn)**

[Two cases of chordoma of the base of the skull] Baliazin VA, et al. **Vopr Neirokhir** (3):55–8, May–Jun 75 **(Rus)**

[General cerebral symptoms in tumors of the posterior fossa] Gurova EP, et al. **Vrach Delo** (6):105–8, Jun 74 (Eng. Abstr.) **(Rus)**

[Nervous system lesions in juvenile angiofibromas of the base of the skull with intracranial spread] Tebloev IK, et al. **Zh Nevropatol Psikhiatr** 75(4):502–4, 1975 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Radiation–induced intracranial malignant fibrous histiocytoma. Gonzalez–Vitale JC, et al. **Cancer** 37(6):2960–3, Jun 76

[Bilateral cancer of the ethmoid bone of occupational origin] Gaillard J, et al. **J Fr Otorhinolaryngol** 24(8):631–2, 635, Oct 75 **(Fre)**

[Extension to the base of the skull of malignant tumors of the cavum and lateral wall of the oropharynx] Gaillard de Collogny L, et al. **Rev Otoneuroophtalmol** 47(2):139–45, Mar–Apr 75 **(Fre)**

[Benign giant cell tumors associated with Paget's disease. Apropos of 1 case] Bloch–Michel H, et al. **Rev Rhum Mal Osteoartic** 42(11):681–6, Nov 75 (Eng. Abstr.) **(Fre)**

[Malignant hemangioendothelioma of the occipital and parietal bones] Tyszkiewicz S, et al. **Wiad Lek** 29(12):1123–7, 15 Jun 76 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Burkitt's disease in the Ivory Coast: anatomo–clinical and epidemiologic considerations] Loubière R, et al. **Ann Anat Pathol (Paris)** 20(5):437–52, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Primary sarcomas of the skull in children (author's transl)] Jung H, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):762–71, Sep 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Proceedings: Meningiomas and neighboring structures. Zumer M. **Acta Neurochir (Wien)** 31(3–4):286, 1975

Primary osteogenic sarcoma of the calvaria. Case report. Hendee RW Jr. **J Neurosurg** 45(3):334–7, Sep 76

Gardner's syndrome involving the skull, dura, and brain. Case report. Terao H, et al. **J Neurosurg** 44(5):638–41, May 76

[Primary osteosarcoma of the skull—a case report (author's transl)] Bito S, et al. **Neurol Surg (Tokyo)** 4(2):191–5, Feb 76 (Eng. Abstr.) **(Jpn)**

[A case of chondroma of endosupraparasellar localization] Fedorov SN, et al. **Vopr Neirokhir** (1):52–4, Jan–Feb 76 **(Rus)**

[Melanotic progonoma of the skull] Alipchenko LA, et al. **Vopr Onkol** 22(3):95–8, 1976 **(Rus)**

[Melanotic progonoma, malignant or benign tumor?] Mirkin LD. **Rev Chil Pediatr** 46(2):125–8, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Proceedings: Meningiomas of the posterior fossa—disturbances in CSF circulation and brain stem function. Knüpling R, et al. **Acta Neurochir (Wien)** 31(3–4):284, 1975

RADIOGRAPHY

Proceedings: Angiographic aspects of meningiomas in the posterior fossa. Nadjmi M, et al. **Acta Neurochir (Wien)** 31(3–4):289, 1975

Clivus chordoma with unusual bone sclerosis and brainstem invasion. A case report with review of the radiology of cranial chordomas. Lim GH. **Australas Radiol** 19(3):242–50, Sep 75

Jugular venography for evaluation of abnormalities of the skull base. Quencer RM, et al. **J Neurosurg** 44(4):485–92, Apr 76

The radiological manifestations of intracranial rhabdomyosarcoma. Archer CR. **Neuroradiology** 11(3):131–6, 16 Jul 76

Bone changes in presellar meningioma. Thung PT, et al. **Radiol Clin (Basel)** 45(2–4):265–71, 1976

A simple myelographic maneuver for the detection of mass lesions at the foramen magnum. Margolis MT. **Radiology** 119(2):482–5, May 76

Computed tomography in the diagnosis of extra–axial posterior fossa masses. Naidich TP, et al. **Radiology** 120(2):333–9, Aug 76

Computed tomography in the diagnosis of extra–axial posterior fossa masses. Naidich TP, et al. **Radiology** 120(2):333–9, Aug 76

Extracranial meningioma presenting as lytic skull lesion. McWhorter JM, et al. **Surg Neurol** 5(4):223–4, Apr 76

[A calvalial metastasis of alveolar soft part sarcoma (author's transl)] Takasawa H, et al. **Neurol Surg (Tokyo)** 4(1):79–87, Jan 76 **(Jpn)**

[Giant meningioma of the cranial vault. Report of a case] Pastor Cruz M, et al. **Arch Neurobiol (Madr)** 38(1):13–22, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

[Growth retardation after irradiation of a chordoma of the clivus] Lenoir G, et al. **Arch Fr Pediatr** 33(6):599–605, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[Non–surgical treatment of thyroid neoplasms] Klepp O. **Tidsskr Nor Laegeforen** 95(23):1287–90, 20 Aug 75 (Eng. Abstr.) **(Nor)**

[Dynamics of vestibular symptomatology in combined treatment of tumors of posterior cranial fossa in children] Blagoveshchenskaia NS, et al. **Med Radiol (Mosk)** 20(4):32–6, Apr 75 (Eng. Abstr.) **(Rus)**

REHABILITATION

Proceedings: Post–operative rehabilitation of patients with sphenoid wing meningiomas. Leitholf O. **Acta Neurochir (Wien)** 31(3–4):290, 1975

SURGERY

Proceedings: Problems in the treatment of basal meningiomas. Arnold H. **Acta Neurochir (Wien)** 31(3–4):281, 1975

Proceedings: Survey on 101 meningiomas (1965—1973). Bockhorn J. **Acta Neurochir (Wien)** 31(3–4):285–6, 1975

Proceedings: Intra– and postoperative consequences resulting from the postoperative tendency to CSF–hypotension after meningioma removal. Potthoff PC. **Acta Neurochir (Wien)** 31(3–4):289–90, 1975

Proceedings: Report on 373 operated meningioma patients (1. 6. 1951—31. 12. 1973). Sattlegger R, et al. **Acta Neurochir (Wien)** 31(3–4):285, 1975

A system of operations for skull base tumors. Hitselberger WE, et al. **Adv Neurol** 15:275–80, 1976

Combined craniofacial resection for malignant disease. Westbury G, et al. **Am J Surg** 130(4):463–9, Oct 75

The transcochlear approach to the skull base. House WF, et al. **Arch Otolaryngol** 102(6):334–42, Jun 76

Coverage of large infected defects of skin, galea, periosteum, bone and dura with transposition flaps of skin and galea. pp. 357–61. Krupp S, et al. **In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.**

Cranio facial resection of the anterior and middle cranial fossae en bloc with the hemi face and repair by multiple flaps. pp. 280–6. Wilson JS, et al. **In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.**

Radical resection and reconstruction in spheno–ethmoidal–orbital tumors. Report of 3 cases. Columella F, et al. **J Neurosurg Sci** 18(3):198–205, Jul–Sep 74

Clival chordoma. Tarshis LM, et al. **J Otolaryngol** 5(3):243–6, Jun 76

A comparison of therapeutic modalities of glomus tumors in the temporal bone. Spector GJ, et al. **Laryngoscope** 86(5):690–6, May 76

Surgical treatment of ethmoidal tumours invading the orbit. Bonnal J, et al. **Mod Probl Ophthalmol** 14:523–9, 1975

[Primary osteosarcoma of the skull—a case report (author's transl)] Bito S, et al. **Neurol Surg (Tokyo)** 4(2):191–5, Feb 76 (Eng. Abstr.) **(Jpn)**

[Intracranial extradural liposarcoma in the posterior fossa—a case report (author's transl)] Nakajima K, et al. **Neurol Surg (Tokyo)** 4(3):293–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Surgical management of ocult thyroid cancer with cranial metastasis] Angelescu E, et al. **Stud Cercet Endocrinol** 23(5):329–32, 1972 **(Rum)**

[Advantage of the osteoplastic bifrontal approach in the surgical treatment of some tumors in the fronto–ethmoid area] Mirčevski M. **God Zb Med Fak Skopje** 21:371–7, 1975 (Eng. Abstr.) **(Ser)**

VETERINARY

Osteosarcoma of the canine skull. (a case report). Johnson TC. **Vet Med Small Anim Clin** 71(5):629–31, May 76

Intracranial tumour in a cow. Mandal PC, et al. **Vet Pathol** 12(1):57–8, 1975

SKUNKS see under **CARNIVORA**

SLAUGHTERHOUSES see **ABATTOIRS**

SLEEP

The effect of early postnatal malnutrition and pharmacological treatment on sleep time in adult rats. Benešová O, et al. **Act Nerv Super (Praha)** 17(1):63–4, Mar 75

Suppressive effect of L–dopa on human prolactin release during sleep. Chihara K, et al. **Acta Endocrinol (Kbh)** 81(1):19–27, Jan 76

Presynaptic inhibition in man during anesthesia and sleep. Shimoji K, et al. **Anesthesiology** 43(4):388–91, Oct 75

Behavioral and social effects of heroin self–administration and withdrawal. Babor TF, et al. **Arch Gen Psychiatry** 33(3):363–7, Mar 76

Recorded and reported sleep in chronic primary insomnia. Frankel BL, et al. **Arch Gen Psychiatry** 33(5):615–23, May 76

Sleep patterns and gastric acid secretion in duodenal ucler disease. Orr WC, et al. **Arch Intern Med** 136(6):655–60, Jun 76

Sopite syndrome: a sometimes sole manifestation of motion sickness. Graybiel A, et al. **Aviat Space Environ Med** 47(8):873–82, Aug 76

A transportable sleep recording system. Ellis BW, et al. **Biomed Eng** 11(7):246–8, 251, Jul 76

Further studies of scratching during sleep. Savin JA, et al. **Br J Dermatol** 93(3):297–302, Sep 75

Sleeping ventilatory patterns in patients with severe chronic

airflow obstruction causing respiratory failure. Rodriguez-Roisin R, et al. **Br J Dis Chest** (2):138–40, Apr 76

The sleep habits, personality and academic performance of medical students. Johns MW, et al. **Br J Med Educ** 10(3):158–62, May 76

Weight gain and the sleeping electroencephalogram: study of 10 patients with anorexia nervosa. Lacey JH, et al. **Br Med J** 4(5996):556–8, 6 Dec 75

The sleep assignment: a way to learn problem solving. Agnes TH. **Can Nurse** 72(8):34–5, Aug 76

Interactions between sino-aortic reflexes and cardiovascular effects of sleep and emotional behavior in the cat. Baccelli G, et al. **Circ Res** 38(6 Suppl 2):30–4, Jun 76

When is more or less sleep required? A study of variable sleepers. Hartmann E, et al. **Compr Psychiatry** 17(2):275–84, Mar-Apr 76

Individual differences in infants' sleep. Dittrichová J, et al. **Dev Med Child Neurol** 18(2):182–8, Apr 76

Individual consistency in behavioral states in neonates. Thoman EB, et al. **Dev Psychobiol** 9(3):271–83, May 76

Proceedings: Rolandic spike activation during sleep in children with and without epilepsy. Dalla Bernardina B, et al. **Electroencephalogr Clin Neurophysiol** 39(5):537, Nov 75

Sleep satiation in narcoleptic patients. Hishikawa Y, et al. **Electroencephalogr Clin Neurophysiol** 41(1):1–18, Jul 76

Proceedings: Polygraphic study of night sleep in idiopathic narcolepsy-cataplexy and in idiopathic hypersomnia. Roth B, et al. **Electroencephalogr Clin Neurophysiol** 39(4):440, Oct 75

Cheyne-Stokes respiration and sleep: a diurnal polygraphic study. Schwartz BA, et al. **Electroencephalogr Clin Neurophysiol** 39(6):575–85, Dec 75

Antidiuretic hormone: episodic nocturnal secretion in adult men. Rubin RT, et al. **Endocr Res Commun** 2(6-7):459–69, 1975

ACTH secretion during sleep in a patient with Nelson's syndrome. Yoshida K, et al. **Endocrinol Jpn** 22(4):347–9, Aug 75

Brain dopamine receptors and sleep in the rat: effects of stimulation and blockade. Kafi S, et al. **Eur J Pharmacol** 38(2):357–63, Aug 76

Sleeping behavior and associations in a group of captive chimpanzees. Riss D, et al. **Folia Primatol (Basel)** 25(1):1–11, 1976

Personality characteristics and sleep variables. Nakazawa Y, et al. **Folia Psychiatr Neurol Jpn** 29(2):101–9, 1975

Characteristics of poor sleep with the normal human being. Tanaka M. **Folia Psychiatr Neurol Jpn** 29(2):149–67, 1975

Circadian phase-shifting with and without geographic displacement. pp. 557–74. Levine H, et al. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.**

Growth hormone and cortisol secretion during nocturnal sleep in narcoleptics and in dogs. pp. 67–76. Takahashi K, et al. **In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 1657p 1974.**

Male anxiety during sleep. Bell AI. **Int J Psychoanal** 56(4):455–64, 1975

Under-responsiveness of growth hormone secretion after L-dopa and deep sleep stimulation in obese subjects. Laurian L, et al. **Isr J Med Sci** 11(5):482–7, May 75

Effects of daytime naps on performance and mood in a college student population. Taub JM, et al. **J Abnorm Psychol** 85(2):210–7, Apr 76

Noise and sleep: a literature review and a proposed criterion for assessing effect. Lukas JS. **J Acoust Soc Am** 58(6):1232–42, Dec 75

The sleepy analyst: some observations on states of consciousness in the analyst at work. McLaughlin JT. **J Am Psychoanal Assoc** 23(2):363–82, 1975

Purification of cerebral glucose-6-phosphatase. An enzyme involved in sleep. Anchors JM, et al. **J Biol Chem** 250(16):6408–16, 25 Aug 75

The relationship of luteinizing hormone secretion to sleep in women during the early follicular phase: effects of sleep reversal and a prolonged three-hour sleep-wake schedule. Kapen S, et al. **J Clin Endocrinol Metab** 42(6):1031–40, Jun 76

Integrated concentrations of luteinizing hormone and puberty. Lee PA, et al. **J Clin Endocrinol Metab** 43(1):168–72, Jul 76

Effect of normal and reversed sleep-wake cycles upon nyctohemeral rhythmicity of plasma thyrotropin: evidence suggestive of an inhibitory influence in sleep. Parker DC, et al. **J Clin Endocrinol Metab** 43(2):318–29, Aug 76

Personality characteristics of long and short sleepers. Wagner MK, et al. **J Clin Psychol** 31(3):434–6, Jul 75

Changes of working and sleeping hours of farmers in accordance with technological innovation in agriculture. Inoue K. **J Hum Ergol (Tokyo)** 3(2):131–41, Dec 74

Incidence of near accidental drowsing in locomotive driving during a period of rotation. Kogi K, et al. **J Hum Ergol (Tokyo)** 4(1):65–76, Sep 75

Nocturnal growth hormone secretion in acromegaly and obesity without electroencephalographic monitoring. Mims RB, et al. **J Natl Med Assoc** 68(3):206–10, May 76

Fugue states in sleep and wakefulness: a psychophysiological study. Rice E, et al. **J Nerv Ment Dis** 163(2):79–87, Aug 76

Investigations on the mechanism of nocturnal epilepsy. Bittner-Manicka M. **J Neurol** 211(2):169–81, 14 Jan 76

Letter: Night waking: a normal response? Raphael D. **J Pediatr** 88(1):169–70, Jan 76

Blood pressure and sleep in the rat in normotension and in neurogenic hypertension. Junqeira FL Jr, et al. **J Physiol (Lond)** 259(3):725–35, Aug 76

Infrared time lapse photography: a technique for analysing night movement in affective patients. Blackburn IM, et al. **J Psychiatr Res** 12(2):69–72, Aug 75

Ontogeny of luteinizing hormone and testosterone secretion. Boyar RM, et al. **J Steroid Biochem** 6(5):803–8, May 75

Sleep and insomnia. Cohen S. **JAMA** 236(7):875–6, 16 Aug 76

Letter: Isocaloric diets and sleep. Adam K. **Lancet** 1(7950):88–9, 10 Jan 76

Isocaloric diet changes and electroencephalographic sleep. Phillips F, et al. **Lancet** 2(7938):723–5, 18 Oct 75

The sleep habits, personality and academic performance of medical students. Johns MW, et al. **Med Educ** 10(3):158–62, May 76

Letter: Sudden death in infancy syndrome in Western Australia. Mandelson G. **Med J Aust** 1(18):677, 1 May 76

Sleep and brain malformation in the neonatal period. Monod N, et al. **Neuropaediatrie** 7(3):229–49, Aug 76

Sleep EEG and motor activity as indicators in affective states. Kupfer DJ, et al. **Neuropsychobiology** 1(5):296–303, 1975

Apneic spells and sleep states in preterm infants. Gabriel M, et al. **Pediatrics** 57(1):142–7, Jan 76

Central hypoventilation during quiet sleep in two infants. Shannon DC, et al. **Pediatrics** 57(3):342–6, Mar 76

Nasopharyngitis and prolonged sleep Apnea. Steinschneider A. **Pediatrics** 56(6):967–71, Dec 75

Effect of two experimental sets on sleep structure. Bonnet MH, et al. **Percept Mot Skills** 42(2):343–50, Apr 76

Humoral transmission of sleep. IX. Activity and concentration of the sleep peptide delta in cerebral and systemic blood fractions. Monnier M, et al. **Pfluegers Arch** 360(3):225–42, 14 Nov 75

Enzyme activity in sleep and sleep deprivation. Deguchi T, et al. **Pharmacol Biochem Behav** 3(6):957–60, Nov-Dec 75

Subjective ratings of sleep quality and anxiety after placebo, drug and a food drink. Adam K, et al. **Postgrad Med J** 52(603):42–4, Jan 76

Individual differences in sleep patterns. Davies DR. **Postgrad Med J** 52(603):10–4, Jan 76

Sleep research and psychosomatic hypotheses. Kalucy RS, et al. **Postgrad Med J** 52(603):53–8, Jan 76

Changes in skin potential level during sleep in psychiatric patients. Perkins R, et al. **Postgrad Med J** 52(603):37–41, Jan 76

A psychoanalytic view of sleep. Pines M. **Postgrad Med J** 52(603):26–33, Jan 76

Somnolence, akinesia, and sensory activation of motivated behavior in the lateral hypothalamic syndrome. Levitt DR, et al. **Proc Natl Acad Sci USA** 72(7):2819–23, Jul 75

Correlation of neurophysiological and personality data in sleep scratching. Brown DG, et al. **Proc R Soc Med** 68(8):530–2, Aug 75

Studies of scratching during sleep. Savin JA. **Proc R Soc Med** 68(8):529, Aug 75

The hypnagogic state: a critical review of the literature. Schacter DL. **Psychol Bull** 83(3):452–81, May 76 (135 ref.)

The use of time lapse video recording of sleep-wake behavior in human infants. Anders TF, et al. **Psychophysiology** 13(2):155–8, Mar 76

Effects of exercise, bedrest and napping on performance decrement during 40 hours. Lubin A, et al. **Psychophysiology** 13(4):334–9, Jul 76

The effects on subsequent sleep of an acute restriction of sleep length. Webb WB, et al. **Psychophysiology** 12(4):367–70, Jul 75

Sleep efficiency for sleep-wake cycles of varied length. Webb WB, et al. **Psychophysiology** 12(6):637–41, Nov 75

Diuranal rhythms in 2- and 8-week-old infants: sleep-waking state organization as a function of age and stress. Sostek AM, et al. **Psychosom Med** 38(4):250–6, Jul-Aug 76

Incubation as a form of psychotherapy in the care of patients in ancient and modern Greece. Papageorgiou MG. **Psychother Psychosom** 26(1):35–8, 1975

The relationship of sleep and sleep stages to neuroendocrine secretion and biological rhythms in man. Weitzman ED, et al. **Recent Prog Horm Res** 31:399–446, 1975 (103 ref.)

Gamma-hydroxybutyrate in CSF during sleep and wakefulness. Tabakoff B, et al. **Res Commun Chem Pathol Pharmacol** 14(3):587–90, Jul 76

The sleep of psychotic patients: does it all look alike? Kupfer DJ, et al. **Res Publ Assoc Res Nerv Ment Dis** 54:143–64, 1975

Apneas during sleep in infants: possible relationship with sudden infant death syndrome. Guilleminault C, et al. **Science** 190(4215):677–9, 14 Nov 75

Editorial....Sleep— some observations relative thereto. Pugh HL. **Va Med Mon** 103(6):451–3, Jun 76

[Letter: 2 cases of sleep paralysis—reversible radial paralysis] Akuama G. **Ugeskr Laeger** 138(27):1646, 28 Jun 76 **(Dan)**

[Sleep, a process of acquisition and regulation of action] Lambert JF. **Agressologie** 17(1):1–12, 1976 (Eng. Abstr.) **(Fre)**

[Sleep in elderly subjects. Description, analysis of various data obtained in a rural population] Olivier-Martin R, et al. **Ann Med Psychol (Paris)** 1(1):77–90, Jan 75 **(Fre)**

[Frequency and duration of transitory activation phases during normal or disturbed sleep in man] Ehrhart J, et al. **Arch Sci Physiol (Paris)** 28(3):213–60, 1974 **(Fre)**

[Perinatal evolution of the sleep cycles in the lamb] Ruckebusch Y, et al. **C R Acad Sci [D] (Paris)** 282(9):871–4, 1 Mar 76 (Eng. Abstr.) **(Fre)**

[Secretions of GH, FSH and LH during sleep of the normal child and the child with retarded growth] Besset A, et al. **C R Soc Biol (Paris)** 169(6):1551–61, 1975 (Eng. Abstr.) **(Fre)**

[Intraventricular pressure in normal pressure hydrocephalus during wakefulness and sleep] Maira G, et al. **Neurochirurgie** 20(5):462–7, Sep-Oct 74 **(Fre)**

[Affective evaluation of meaningful acoustic stimulation in the waking state and its effect on sleep behavior. Stage I: Affective evaluation of acoustical terms in the waking state] Zayer H, et al. **Arch Psychol (Frankf)** 127(1-2):131–55, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Temporal structure of sleep in endogenous depression (author's transl)] Papoušek M. **Arzneim Forsch** 26(6):1062–4, 1976 (Eng. Abstr.) **(Ger)**

[Adaptation to the sleep laboratory in normal subjects and neuropsychiatric patients (author's transl)] Schneider E, et al. **Arzneim Forsch** 26(6):1069–71, 1976 (Eng. Abstr.) **(Ger)**

[Waking-sleeping behavior of newborn and premature infants on calculated birth date. Comparative polygraphic studies] Nolte R, et al. **Monatsschr Kinderheilkd** 124(5):434–6, May 76 **(Ger)**

[Sleep-EEG in cerebral-attack diseases] Schulz H, et al. **Z Aerztl Fortbild (Jena)** 69(10):523–31, 15 May 75 **(Ger)**

[Noise and the sleeping behavior of nursery-school children] Borris D, et al. **Z Gesamte Hyg** 21(3):216–21, Mar 75 (Eng. Abstr.) **(Ger)**

[Sleep and its course; agrypnia and its resul's (I)] Elazar Z, et al. **Harefuah** 89(8):363–5, 15 Oct 75 **(Heb)**

[Clinical aspects of sleep and insomnia] Korczyn O, et al. **Harefuah** 89(10):470–2, 16 Nov 75 **(Heb)**

[Behavior of vigilance levels during digestion] Licata F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2131–3, 30 Dec 74 **(Ita)**

[Long-term stability of spontaneous discharges of single thalamic neurons during sleep and wakefulness] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2134–6, 30 Dec 74 **(Ita)**

[Behavior of spontaneous discharges of neurons of the lateral posterior nucleus of the thalamus during sleep and wakefulness] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2146–9, 30 Dec 74 **(Ita)**

[The sleep-wakefulness biorhythm of somatotropin secretion in man under normal and pathological conditions] Giordano G, et al. **Folia Endocrinol (Roma)** 27(1):42–69, Feb 74 (104 ref.) **(Ita)**

[Active sleep in the newborn infant: its possible morphological and functional differentiations] Cianchetti C, et al. **Riv Neurol** 45(3):273–7, Jul-Sep 75 **(Ita)**

[Paradoxical sleep without rapid eye movements] Lorizio A, et al. **Riv Neurol** 45(3):285–96, Jul-Sep 75 **(Ita)**

[Polygraphic analysis of nocturnal sleep in subjects affected by bilateral facial spasm, prior to and following L-DOPA administration (author's transl)] Di Perri R, et al. **Riv Patol Nerv Ment** 95(5):662–72, Oct 74 (Eng. Abstr.) **(Ita)**

[Clinical use of evoked response audiometry in infants and children during sleep (author's transl)] Seno K. **J Otolaryngol Jpn** 78(4):333–44, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[Hypersomnia with periodic breathing during sleep—its clinical features and physio-pathological mechanism (author's transl)] Furuya E. **Psychiatr Neurol Jpn** 77(12):891–914, 1975 (Eng. Abstr.) **(Jpn)**

[New data on the circadian biorhythm of wakefulness and sleep in vertebrates] Karmanova IG. **Dokl Akad Nauk SSSR** 225(6):1457–60, 21 Dec 75 **(Rus)**

[Reorganization of human temperature periodicity following life rhythm inversion in isolation] Stepanova SI, et al. **Kosm Biol Aviakosm Med** 9(5):35–44, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The clinical picture and pathogenesis of 'nocturnal' cerebral strokes] Saradzhishvili PM, et al. **Zh Nevropatol Psikhiatr** 75(7):975–80, 1975 (Eng. Abstr.) **(Rus)**

[Method of ventriculo-cisternal perfusion, in permanently implanted animals, for the study of the cerebrospinal fluid during sleep and wakefulness] Lozoya X, et al. **Arch Invest Med (Mex)** 6(2):445–54, 1975 (Eng. Abstr.) **(Spa)**

[Electroencephalogram in children during wakefulness and during induced sleep] Olmos G, et al. **Bol Med Hosp Infant Mex** 33(2):301–9, Mar-Apr 76 (Eng. Abstr.) **(Spa)**

[A method of assessing motor activity during sleep] Lebid' ON. **Fiziol Zh** 22(1):129–31, Jan-Feb 76 **(Ukr)**

DRUG EFFECTS

Proceedings: The effect of maprotiline and imipramine on sleep cycles in rats. Benešová O. **Act Nerv Super (Praha)** 17(4):227–8, 1975

Correlation of brain amine changes with ethanol-induced sleep-time in mice. Erickson CK, et al. **Adv Exp Med Biol** 59:419–30, 1975

Behavioral concomitants of the relationship between baseline slow wave sleep and carry-over of tolerance and dependence in alcoholics. Gross MM, et al.

Adv Exp Med Biol 59:633–43, 1975

The relation between baseline slow wave sleep and the slow wave sleep response to alcohol in alcoholics. Gross MM, et al. **Adv Exp Med Biol** 59:467–75, 1975

Slow wave sleep and carry-over of functional tolerance and physical dependence in alcoholics. Gross MM, et al. **Adv Exp Med Biol** 59:477–93, 1975

Effects of alcohol ingestion and abstinence on slow wave sleep of alcoholics. Wagman AM, et al. **Adv Exp Med Biol** 59:453–66, 1975

Experimental ethanol ingestion: sleep variables and metabolites of dopamine and serotonin in the cerebrospinal fluid. Zarcone V, et al. **Adv Exp Med Biol** 59:431–51, 1975

EEG sleep changes as predictors in depression. Kupfer DJ, et al. **Am J Psychiatry** 133(6):622–6, Jun 76

Action of biogenic amines injected intracerebrally on duration of hexobarbital-induced sleep in rats. Brus R, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):459–63, 1975

Heredity of hexobarbital sleeping time and efficiency of drug metabolism in Wistar and Sprague-Dawley rats. Gut I, et al. **Arch Toxicol (Berl)** 34(1):61–70, 5 Sep 75

A 1,4-benzodiazepine, temazepam (K 3917), its effect on some psychological parameters of sleep and behaviour. Hindmarch I. **Arzneim Forsch** 25(11):1836–9, Nov 75

Effects of dihydrogenated ergot alkaloids on the sleep-wakefulness cycle and on brain biogenic amines in the rat. Loew DM, et al. **Arzneim Forsch** 26(6):1080–3, 1976

Polygraphic sleep studies in rats and humans: their use in psychopharmacological research. Loew DM, et al. **Arzneim Forsch** 26(6):1032–5, 1976

Hexobarbital sleeping time and drug metabolism in rats with ligated bile ducts—a lack of correlation. Drew R, et al. **Biochem Pharmacol** 25(14):1659–63, 15 Jul 76

Effect of 7 8-benzoflavone on the duration of zoxazolamine paralysis and hexobarbital hypnosis in rats. Wiebel FJ, et al. **Biochem Pharmacol** 25(12):1431–2, 15 Jun 76

Serotonin inhibition and sleep. Mendelson WB, et al. **Biol Psychiatry** 10(4):459–64, Aug 75

Effect of lithium and rubidium on the sleeping time caused by various intravenous anaesthetics in the mouse. Männistö PT, et al. **Br J Anaesth** 48(3):185–9, Mar 76

Proceedings: Effect of diazepam and a soluble salt of diazepam (fosazepam) on sleep in man. Clarke CH, et al. **Br J Pharmacol** 55(2):262P, Oct 75

Proceedings: The use of halothane-induced sleeping time as an index of central nervous system excitability. Turnbull MJ, et al. **Br J Pharmacol** 55(2):307P–308P, Oct 75

Proceedings: Further observations on the change in sensitivity to halothane induced by acute administration of central nervous system depressant drugs in the rat. Turnbull MJ, et al. **Br J Pharmacol** 55(2):266P–267P, Oct 75

Efficacy and side effects of nitrazepam and thioridazine as sleeping aids in psychogeriatric in-patients. Linnoila M, et al. **Br J Psychiatry** 128:566–9, Jun 76

Do placebos alter sleep? Adam K, et al. **Br Med J** 1(6003):195–6, 24 Jan 76

Nitrazepam: lastingly effective but trouble on withdrawal. Adam K, et al. **Br Med J** 1(6025):1558–60, 26 Jun 76

Depletion of brain serotonin following intraventricular 5,7-dihydroxytryptamine fails to disrupt sleep in the rat. Ross CA, et al. **Brain Res** 114(3):517–23, 24 Sep 76

Effects of marijuana extract and tetrahydrocannabinol on electroencephalographic sleep patterns. Feinberg I, et al. **Clin Pharmacol Ther** 19(6):782–94, Jun 76

Polygraphic sleep pattern during penfluridol treatment. Jus K, et al. **Curr Ther Res** 18(1 pt 2):189–92, Jul 75

Controlled comparison of estazolam and nitrazepam as hypnotics on the preoperative night sleep. Momose T. **Curr Ther Res** 19(3):277–91, Mar 76

Effect of flurazepam on sleep spindles and K-complexes. Johnson LC, et al. **Electroencephalogr Clin Neurophysiol** 40(1):67–77, Jan 76

Effects of a polychlorinated biphenyl (PCB) on sleeping times, plasma corticosteroids, and testicular activity of white-footed mice. Sanders OT, et al. **Environ Physiol Biochem** 5(5):308–13, 1975

Effects of clonidine and BS 100-141 on the EEG sleep pattern in rats. Kleinlogel H, et al. **Eur J Pharmacol** 33(1):159–63, Aug 75

Role of 5-hydroxytryptamine in prostaglandin E1-induced potentiation of hexobarbitone hypnosis in albino rats. Bhatacharya SK, et al. **Experientia** 32(7):907–8, 1976

Increased sensitivity to pentobarbital in rats fed a diet lacking flavonoids. Földi M, et al. **Experientia** 31(11):1308–9, 15 Nov 75

Potentiation of ethanol narcosis by dopamine- and l-DOPA-based isoquinolines. Marshall A, et al. **Experientia** 32(2):201–3, 15 Feb 76

Neuroleptics and dyskinesias. pp. 431–9. Villeneuve A, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Is 6-hydroxy-dopamine (6-OHDA) a specific tool for the study of functional roles of catecholaminergic (CA) neurons in the sleep-waking cycle? pp. 259–66. Pujol JF, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.

The influence on amobarbital-induced sleeping time in rats by drugs affecting cyclic AMP. pp. 73–4. Cohn L.
In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.

Circadian rhythmicity in response to barbiturates. pp. 187–90. Müller O.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Central nervous system pharmacology of propranolol. Iyer KS, et al. **Indian J Physiol Pharmacol** 19(3):152–6, Jul–Sep 75

Suppression of sleep-related prolactin secretion and enhancement of sleep-related growth hormone secretion. Mendelson WB, et al. **J Clin Invest** 56(3):690–7, Sep 75

Lorazepam compared with pentobarbital for nighttime sedation. Brown PJ, et al. **J Clin Pharmacol** 15(11–12):752–9, Nov–Dec 75

Sensitivity to low doses of ethanol and pentobarbital in mice selected for sensitivity to hypnotic doses of ethanol. Sanders B. **J Comp Physiol Psychol** 90(4):394–8, Apr 76

Effects of short-term and long-term administration of procaine hydrochloride and mepivacaine hydrochloride on hexobarbital-induced sleeping times in mice. Rinchuse DJ, et al. **J Dent Res** 54(5):926–30, Sep–Oct 75

Combined effect of methaqualone and two cannabinoids. Stone CJ, et al. **J Forensic Sci** 21(1):108–11, Jan 76

Caffeine in the 'sundown syndrome.' Report of negative results. Ginsburg R, et al. **J Gerontol** 31(4):419–20, Jul 76

Nonspecific effect of bis(2-ethylhexyl) phthalate on hexobarbital sleep time. Swinyard EA, et al. **J Pharm Sci** 65(5):733–4, May 76

Investigations into the mechanism of reduction of ethanol sleep by thyrotropin-releasing hormone (TRH). Cott JM, et al. **J Pharmacol Exp Ther** 196(3):594–604, Mar 76

Investigations into the mechanism of reduction of ethanol sleep by thyrotropin-releasing hormone (TRH). Cott JM, et al. **J Pharmacol Exp Ther** 196(3):594–604, Mar 76

The potentiation of barbiturate-induced narcosis by procarbazine. Lee IP, et al. **J Pharmacol Exp Ther** 196(3):586–93, Mar 76

The potentiation of barbiturate-induced narcosis by procarbazine. Lee IP, et al. **J Pharmacol Exp Ther** 196(3):586–93, Mar 76

Effect of taurine on ethanol-induced sleeping time in mice. Iida S, et al. **J Stud Alcohol** 37(1):19–26, Jan 76

Effects of 1,1,1-trichloroethane administered by different routes and in different solvents on barbiturate hypnosis and metabolism in mice. Shan HC, et al. **J Toxicol Environ Health** 1(5):807–16, May 76

Effects of passive immunization with rabbit anti-phenobarbital IgG on cyclobarbital-induced sleeping time and hepatic enzyme activities of C3H mice. Satoh H, et al. **Jpn J Pharmacol** 25(6):645–52, Dec 75

Peptide transmitters: a unifying hypothesis for euphoria, respiration, sleep, and the action of lithium. Byck R. **Lancet** 2(7976):72–3, 10 Jul 76

Differential effects of D- and L-amphetamine on the sleep of depressed patients. Gillin JC, et al. **Life Sci** 17(8):1223–40, 15 Oct 75

Alcohol withdrawal reactions in mouse strains selectively bred for long or short sleep times. Goldstein DB, et al. **Life Sci** 17(6):981–5, 15 Sep 75

Differential effects of pentobarbital and ethanol in mice. Siemens AJ, et al. **Life Sci** 19(4):581–9, 15 Aug 76

How drugs act–11. Drugs and sleep. Smith SE. **Nurs Times** 71(36):1417–8, 4 Sep 75

The effect of alcohol and barbiturate on the frequency of atrial and ventricular premature beats during sleep. Feinstein R, et al. **Pavlov J Biol Sci** 10(2):102–11, Apr–Jun 75

Somatostatin and thyrotropin releasing hormone: central effect on sleep and motor system. Havlicek V, et al. **Pharmacol Biochem Behav** 4(4):455–9, Apr 76

Spontaneous behavior and sleep-wakefulness cycle in isolated and paired REM sleep deprived-marihuana treated rats. Monti JM, et al. **Pharmacol Biochem Behav** 3(6):1025–9, Nov–Dec 75

Gamma-butyrolactone sleep: A 24-hour rhythm paralleling normal sleep in the rat and CNS amine changes. Speciale SG, et al. **Pharmacol Biochem Behav** 3(5):761–4, Sep–Oct 75

Ethanol narcosis in mice: effects of L-dopa, its metabolites and other experimental variables. Messiha FS, et al. **Pharmacology** 13(4):340–51, 1975

The effect of low protein diet on sleeping time and on the metabolism of hexobarbital in rats. Czyżewska-Szafran H, et al. **Pol J Pharmacol Pharm** 27(6):625–30, Nov–Dec 75

Effects of p-chlorophenyl alanine on brain amines and drugs induced sleep. Navarro G, et al. **Proc West Pharmacol Soc** 18:244–5, 1975

TRH treatment in psychiatric patients—effects on the pituitary-thyroid axis and on the EEG sleep pattern. Cassano GB, et al. **Psychopharmacol Bull** 11(4):66–7, Oct 75

Electroencephalographic studies on the development of tolerance and cross tolerance to mescaline in the rat. Colasanti B, et al. **Psychopharmacologia** 43(3):201–5, 17 Sep 75

Human sleep during chronic morphine intoxication. Kay DC. **Psychopharmacologia** 44(2):117–24, 31 Oct 75

A relationship between hexobarbitone sleeping time and susceptibility to mescaline in mice from different strains. Lush IE. **Psychopharmacologia** 43(3):259–60, 17 Sep 75

The actions of flunitrazepam (Rohypnol) on heart and respiratory rates and skin potential fluctuations during the sleep cycle in normal volunteers and neurotic patients with insomnia. Monti JM, et al. **Psychopharmacologia** 43(2):187–90, 21 Aug 75

Effects of thienodiazepine derivatives on human sleep as compared to those of benzodiazepine derivatives. Nakazawa Y, et al. **Psychopharmacologia** 44(2):165–71, 31 Oct 75

Effects of a new butyrophenone derivate (Buronil) on nocturnal sleep in normal man. Risberg AM, et al. **Psychopharmacologia** 43(1):95–9, 23 Jul 75

Effects of promethazine on nocturnal sleep in normal man. Risberg AM, et al. **Psychopharmacologia** 43(3):279–84, 17 Sep 75

A comparison of the effects of flurazepam 30 mg and triazolam 0.5 mg on the sleep of insomniacs. Vogel GW, et al. **Psychopharmacologia** 47(1):81–6, 5 May 76

[Acute tolerance and time changes in ketamine-induced sleep under the effect of phenobarbital and chlorophenicol. Experimental study] Carlos García R, et al. **Rev Esp Anestesiol Reanim** 23(1):57–67, Jan 76

The use of lorazepam as a soporific and for premedication. Solomon E. **S Afr Med J** 49(34):1395–7, 9 Aug 75

[Hexobarbital sleep in rats treated with polyvinylpyrrolidone] Ovcharov R, et al. **Eksp Med Morfol** 12(2):97–9, 1973 (Eng. Abstr.) **(Bul)**

[Letter: Letter to the editor H. Laborit concerning the hypnotic gamma OH which his group discovered] Bonneval G. **Agressologie** 17(2):67–8, 1976 **(Fre)**

[Effects of picrotoxin and pentetrazol on experimental sleep in the mouse] Buchel L, et al. **Arch Sci Physiol (Paris)** 28(3):303–20, 1974 **(Fre)**

[Effects of chloramphenicol and thiamphenicol on sleep of the mouse] Kitahama K, et al. **C R Soc Biol (Paris)** 169(6):1522–5, 1975 (Eng. Abstr.) **(Fre)**

[Effect of psychotropic agents on sleep] Leygonie F, et al. **Int J Neurol** 10(1–4):158–71, 1975 **(Fre)**

[Action of alpha-methyl-dopa on waking-sleep cycles in two inbred strains of mice, C57BR and C57BL/6 (author's transl)] Kitahama K, et al. **Psychopharmacologia** 45(2):189–96, 31 Dec 75 (Eng. Abstr.) **(Fre)**

[Effects of alpha-methyl-dopa on new born kitten sleep. Behavioral evolution during the first month post-birth (author's transl)] Saucier D, et al. **Psychopharmacologia** 42(3):299–303, 19 Jun 75 (Eng. Abstr.) **(Fre)**

[Influence of Ro 05-4200 on night sleep] Passouant P, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(3):327–33, Jul–Sep 73 **(Fre)**

[Comparative study on the hypnotic effect of flurazepam and heptabarbital] Bermejo E, et al. **Rev Med Suisse Romande** 95(8):635–41, Aug 75 **(Fre)**

[Effects of hexapropymate on sleep in normal humans, measured with a polygraphic method] Risberg AM, et al. **Sem Hop Ther** 51(2):99–104, Feb 75 **(Fre)**

[Combinations of methaqualone and other hypnotics: potentiation and induction in rats] Buchel L, et al. **Therapie** 30(5):743–52, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Modification of sleep by drugs not known as hypnotics] Dry J, et al. **Therapie** 31(1):69–76, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Sleep and psychotropic drugs: clinical aspects (author's transl)] Baust W. **Arzneim Forsch** 26(6):1039–41, 1976 (Eng. Abstr.) **(Ger)**

[Liberation of growth hormone and melanocyte-stimulating hormone in natural and melatonin-induced human sleep (author's transl)] Cramer H, et al. **Arzneim Forsch** 26(6):1076–8, 1976 (Eng. Abstr.) **(Ger)**

[Proceedings: Sleep research and pharmacopsychiatry. Epilogue] Heimann H. **Arzneim Forsch** 26(6):1047–9, 1976 **(Ger)**

[Proceedings: Significance of psychopharmaceuticals in the field of sleep research] Koella WP. **Arzneim Forsch** 26(6):1030–1, 1976 **(Ger)**

[Pharmacological investigations of 4'-fluoro-4-(4-methyl-peperidono)-butyrophenone with respect to its sedative and sleep-inducing properties (author's transl)] Kretzschmar R, et al. **Arzneim Forsch** 26(6):1073–6, 1976 (Eng. Abstr.) **(Ger)**

[Inhibition of monoamineoxidase and day-night-rhythm: correlation of physiological and biochemical parameters (author's transl)] Rommelspacher H, et al. **Arzneim Forsch** 26(6):1078–80, 1976 (Eng. Abstr.) **(Ger)**

[Pharmacological influence on central serotonergic mechanisms in man and its consequences on sleep (author's transl)] Rüther E, et al. **Arzneim Forsch** 26(6):1071–3, 1976 (Eng. Abstr.) **(Ger)**

[Proceedings: Psychotropic drugs and quality of sleep: quantitative neurophysiological and subjective parameters (author's transl)] Saletu B. **Arzneim Forsch** 26(6):1042–7, 1976 (Eng. Abstr.) **(Ger)**

[Neurochemistry and pharmacology of sleep (II)] Elazar Z, et al. **Harefuah** 89(9):412–4, 2 Nov 75 **(Heb)**

[Effects of L-DOPA on the physiological nocturnal sleep of patients with facial paraspasm] Di Perri R, et al. **Acta Neurol (Napoli)** 29(6):675–80, Nov–Dec 74 (Eng. Abstr.) **(Ita)**

[Sleep: notes on pediatric pharmacotherapy (in the light of current knowledge of its principal characteristics)] Nigro N, et al. **Minerva Pediatr** 27(36):1999–2007, 17 Nov 75 (Eng. Abstr.) **(Ita)**

[Polygraphic study of sleep in manic and hypomanic patients treated with lithium carbonate] Maggini C, et al. **Riv Neurol** 45(2):209–16, Apr–Jun 75 **(Ita)**

[The preparation and pharmacological screening of kessoglycol derivative (author's transl)] Takamura K, et al. **J Pharm Soc Jpn** 95(10):1198–204, Oct 75 (Eng. Abstr.)

(Jpn)

[The pharmacological action on the kessoglycol 8-monoacetate (author's transl)] Takamura K, et al. **J Pharm Soc Jpn** 95(10):1205-9, Oct 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Effect of 5-hydroxy tryptophan on slow waves evoked by peripheral stimulation and in animals in a somniferous state] Takeshige C, et al. **J Physiol Soc Jpn** 36(8-9):282, 1 Sep 74 **(Jpn)**

[Comparative evaluation of seizure provocation methods with sleep deprivation and Brietal in epileptics] Gajkowski K, et al. **Neurol Neurochir Pol** 10(2):267-72, Mar-Apr 76 (Eng. Abstr.) **(Pol)**

[The effect of long-term nitrazepam administration on sleep cycles in rats] Klygu' TA, et al. **Biull Eksp Biol Med** 81(2):188-90, Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in the cardiac and 'sleep—wakefulness' cycle rhythms following isoproterenol administration to white rats] Snisarenko AA. **Fiziol Zh SSSR** 62(2):236-45, Feb 76 (Eng. Abstr.) **(Rus)**

[The effect of arecoline on the structure of sleep and wakefulness in hens] Voronov IB, et al. **Zh Evol Biokhim Fiziol** 11(3):289-97, May-Jun 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

From attentiveness to sleep. A topographical analysis of localized 'synchronized' activities on the cortex of normal cat and monkey. Rougeul-Buser A, et al. **Acta Neurobiol Exp (Warsz)** 35(5-6):805-19, 1975

Fluctuations in the vagal and sympathetic tone connected with the circadian cycle and the wakefulness-sleep cycle. Varbanova A, et al. **Agressologie** 16(1):27-33, 1975 (Eng. Abstr.)

On the function of sleep. Meddis R. **Anim Behav** 23(3):676-91, Aug 75 (174 ref.)

Response in the newborn to raised upper airway resistance. Purcell M. **Arch Dis Child** 51(8):602-7, Aug 76

Correlation of hippocampal theta activity and movement during slow-wave sleep in cats. Glotzbach SF. **Behav Biol** 15(4):485-90, Dec 75

Growth hormone levels during morning and afternoon naps. Karacan I, et al. **Behav Neuropsychiatry** 6(1-12):67-70, Apr 74-Mar 75

Recovery sleep following different visual conditions during total sleep deprivation in man. Horne JA. **Biol Psychol** 4(2):107-18, Jun 76

Classical conditioning of autonomic responses in alert and drowsy subjects. McDonald DG, et al. **Biol Psychol** 3(2):101-12, Sep 75

Classical conditioning of autonomic responses in alert and drowsy subjects. McDonald DG, et al. **Biol Psychol** 3(2):101-12, Sep 75

Sleep and blood pressure. Littler WA, et al. **Br Med J** 3(5979):346-8, 9 Aug 75

Control of sleep states in the rat by short light-dark cycles. Borbély AA, et al. **Brain Res** 95(1):89-101, 12 Sep 75

The startle reflex and PGO spikes. Bowker RM, et al. **Brain Res** 102(1):185-90, 30 Jan 76

5-Hydroxyindoleacetic acid in cerebrospinal fluid:an indicator of slow-wave sleep. Buckingham RL, et al. **Brain Res** 99(2):440-3, 5 Dec 75

Loss of circadian rhythm in sleep-wakefulness cycle in the rat by suprachiasmatic nucleus lesions. Ibuka N, et al. **Brain Res** 96(1):76-81, 10 Oct 75

Dorsal raphe neurons: depression of firing during sleep in cats. McGinty DJ, et al. **Brain Res** 101(3):569-75, 23 Jan 76

Respiratory frequency as a function of preoptic temperature during sleep. Parmeggiani PL, et al. **Brain Res** 111(2):253-60, 30 Jul 76

Comparison effects of electrical stimulation of preoptic area, anterior hypothalamus and dorsal raphe nucleus on 5-hydroxyindoleacetic acid in cerebrospinal fluid and behavior. Radulovački M, et al. **Brain Res** 67(3):542-5, 8 Mar 74

Effects of varying laboratory conditions on behavioral-state organization in two- and eight-week-old infants. Sostek AM, et al. **Child Dev** 46(4):871-8, Dec 75

Poly-hormonal evaluationof pulsatile adenohypophysis incretory activity during sleep in normal, experimental and pathologic conditions. Isidori A, et al. **Chronobiologia** 3(1):39-50, Jan-Mar 76

Variations in thyroid function and sleep in healthy young men. Johns MW, et al. **Clin Sci Mol Med** 49(6):629-32, Dec 75

Mood change and the physiology of sleep. Kramer M, et al. **Compr Psychiatry** 17(1):161-5, Jan-Feb 76

The sleep of the baboon, Papio papio, under natural conditions and in the laboratory. Bert J, et al. **Electroencephalogr Clin Neurophysiol** 39(6):657-62, Dec 75

Cyclic EEG and motility patterns during sleep in restrained infant rats. Corner MA, et al. **Electroencephalogr Clin Neurophysiol** 41(1):64-72, Jul 76

Proceedings: Asymmetries of EEG and cerebral dominanc. Considerations on sleep records in babies. Fabiani D, et al. **Electroencephalogr Clin Neurophysiol** 39(5):532, Nov 75

Time of day effects with standardized exercise upon subsequent sleep. Horne JA, et al. **Electroencephalogr Clin Neurophysiol** 40(2):178-84, Feb 76

Relationship of the magnetoencephalogram to the electroencephalogram. Normal wake and sleep activity. Hughes JR, et al. **Electroencephalogr Clin Neurophysiol** 40(3):261-78, Mar 76

Spatio-temporal organization of EEG in premature infants and full-term new-borns. Joseph JP, et al. **Electroencephalogr Clin Neurophysiol** 40(2):153-68, Feb 76

Local hypothalamic blood flow during sleep. Shapiro CM, et al. **Electroencephalogr Clin Neurophysiol** 39(4):365-9, Oct 75

Proceedings: Sleep and neuronal activity. Torii S, et al. **Electroencephalogr Clin Neurophysiol** 39(5):542, Nov 75

Proceedings: Brain monoamine metabolism and sleep. Toru M. **Electroencephalogr Clin Neurophysiol** 39(5):542, Nov 75

Effects of sleep of restricted sleep. A cat case study. Ursin R, et al. **Electroencephalogr Clin Neurophysiol** 41(1):96-101, Jul 76

Mammary blood flow and endocrine changes during parturition in the ewe. Burd LI, et al. **Endocrinology** 98(3):748-54, Mar 76

Rolandic spikes in children with and without epilepsy. (20 subjects polygraphically studied during sleep). Bernardina BD, et al. **Epilepsia** 17(2):161-7, Jun 76

Somatic reflex response-reversal of reticular origin. Chase MH, et al. **Exp Neurol** 50(3):561-7, Mar 76

Effects of forebrain lesions on release of proteins from the midbrain reticular formation during the sleep-wake cycle. Drucker-Colín RR, et al. **Exp Neurol** 52(2):339-44, Aug 76

Phasic EMG inhibition and spinal reflex modulation during synchronized sleep in the cat. Pivik RT, et al. **Exp Neurol** 48(3 Pt 1):493-501, Sep 75

The human tongue during sleep: electromyographic activity of the genioglossus muscle. Sauerland EK, et al. **Exp Neurol** 51(1):160-70, Apr 76

PO2 recorded in the amygdaloid complex during the sleep-waking cycle of the cat. Velluti R, et al. **Exp Neurol** 50(3):798-805, Mar 76

Letter: Gastric secretion during sleep. Hall WH, et al. **Gastroenterology** 70(3):465, Mar 76

A model of central neural processes controlling motor behavior during active sleep and wakefulness. pp. 99-121. Chase MH.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Reorganization of neuronal discharges in the cerebral cortex through changing states of consciousness. pp. 253-83. Desiraju T.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Cortical inhibition during sleep and waking. pp. 209-51. Steriade M.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Value and limits of sleep statistical analysis. Objective parameters and subjective evaluations. pp. 227-35. Caille EJ, et al.
In: Dolce G, Künkel H, ed. CEAN: computerized EEG analysis. Stuttgart, Fischer, 1975. WL 150 C111 1975.

Temporal organization of neuroendocrine function in relation to the sleep-waking cycle in man. pp. 26-38. Weitzman ED.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 l65r 1973.

Secretion of LH and FSH during sleep in man. pp. 521-6. Rubin RT, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 l631H 1971. (36 ref.)

Chronobiological study of growth hormone secretion in man: its relation to sleep-wake cycles and to increasing age. pp. 81-7. D'Agata R, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Ultradian rhythms and sleep: introduction. pp. 475-7. Kripke DF.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Rhythms of the biogenic amines in the brain and sleep. pp. 506-11. Morgane PJ, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (18 ref.)

Effects of acute shifts in circadian rhythms of sleep and wakefulness on performance and mood. pp. 571-5. Taub JM, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

The rhythms of sleep and waking. pp. 482-6. Webb WB.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Melatonin excretion of man and rats: effect of time of day, sleep, pinealectomy and food consumption. Lynch HJ, et al. **Int J Biometeorol** 19(4):267-79, Dec 75

Respiratory load compensation in infants. Knill R, et al. **J Appl Physiol** 40(3):357-61, Mar 76

Regulation of respiration in sleeping dogs. Phillipson EA, et al. **J Appl Physiol** 40(5):688-93, May 76

Respiratory load compensation in awake and sleeping dogs. Phillipson EA, et al. **J Appl Physiol** 40(6):895-902, Jun 76

Suppression by cyproheptadine of human growth hormone and cortisol secretion during sleep. Chihara K, et al. **J Clin Invest** 57(6):1393-402, Jun 76

The effects of changing the phase and duration of sleep. Taub JM, et al. **J Exp Psychol [Hum Percept]** 2(1):30-41, Feb 76

Spontaneous sleep and induced arousal. A depth-electroencephalographic study. Westmoreland BF, et al. **J Neurol Sci** 28(3):353-60, Jul 76

Extraction of sleep-promoting factor S from cerebrospinal fluid and from brains of sleep-deprived animals. Pappenheimer JR, et al. **J Neurophysiol** 38(6):1299-311, Nov 75

The use of 18O2 in studying oxygen metabolism in various behavioral situations. Mayevsky A, et al. **J Neurosci Res** 1(5-6):495-9, 1975

Proceedings: The spontaneous activity of cortical neurones in sleep and wakefulness. Burns BD, et al. **J Physiol (Lond)** 252(2):18P-19P, Nov 75

Peptide transmitters: a unifying hypothesis for euphoria, respiration, sleep, and the action of lithium. Byck R. **Lancet** 2(7976):72-3, 10 Jul 76

Apnea and airway obstruction during feeding and sleep. Steinschneider A, et al. **Laryngoscope** 86(9):1359-66, Sep 76

Exercise and human sleep. Horne JA, et al. **Nature** 256(5518):573-5, 14 Aug 75

The infant sleep profile. Anders TF. **Neuropaediatrie** 5(4):425-42, Nov 74

Sleep and heart rate variations in premature and full term babies. Radvanyi MF, et al. **Neuropaediatrie** 7(3):302-12, Aug 76

The sleep-dream cycle: A neurobiological rhythm. Hobson JA. **Pathobiol Annu** 5:369-403, 1975 (41 ref.)

Longitudinal sleep patterns during pubertal growth: four-year follow up. Karacan I, et al. **Pediatr Res** 9(11):842-6, Nov 75

Chemoreceptor function and sleep state in apnea. Fagenholz SA, et al. **Pediatrics** 58(1):31-6, Jul 76

Sleep during Transcendental Meditation. Younger J, et al. **Percept Mot Skills** 40(3):953-4, Jun 75

Reticulo-reticular relationship during sleep and waking. Satoh T, et al. **Physiol Behav** 15(3):333-7, Sep 75

Altered sleep duration and sleep period time displacements: effects on performance in habitual long sleepers. Taub JM, et al. **Physiol Behav** 16(2) Feb 76

The neurophysiological aspects of sleep. Fenton GW. **Postgrad Med J** 52(603):2-9, Jan 76 (41 ref.)

The function of sleep. Oswald I. **Postgrad Med J** 52(603):15-8, Jan 76 (47 ref.)

Is there a sleep transmitter? Drucker-Colín RR, et al. **Prog Neurobiol** 6(1):1-22, 1976 (210 ref.)

Neuronal activity during the sleep-waking cycle. Steriade M, et al. **Prog Neurobiol** 6(3-4):155-376, 1976

Factor analysis of objective and subjective characteristics of a night's sleep. Johns MW. **Psychol Med** 5(4):413-8, Nov 75

Frontalis muscle tension and sleep latency. Good R. **Psychophysiology** 12(4):461-7, Jul 75

Cardiac waveform alterations during sleep in the infant. Harper RM, et al. **Psychophysiology** 13(4):318-22, Jul 76

Daytime visual load and the effects upon human sleep. Horne JA, et al. **Psychophysiology** 13(2):115-20, Mar 76

Studies of spontaneous electrodermal responses in sleep. McDonald DG, et al. **Psychophysiology** 13(2):128-34, Mar 76

Newborn responses to nonsignal auditory stimuli: I. Electroencephalographic desynchronization. Schaefer AB. **Psychophysiology** 12(4):359-66, Jul 75

Readaptation to the sleep laboratory in insomniac subjects. Scharf MB, et al. **Psychophysiology** 12(4):412-5, Jul 75

VARSLP: a computer program for the variable analysis of scored sleep data. Yu MC, et al. **Psychophysiology** 13(3):273, May 76

Effects of progressive relaxation on sleep disturbance: an electroencephalographic evaluation. Borkovec TD, et al. **Psychosom Med** 38(3):173-80, May-Jun 76

Phasic heart rate responses: different patterns in black and in white newborns. Schachter J, et al. **Psychosom Med** 37(4):326-32, Jul-Aug 75

The sleep factor. Pappenheimer JR. **Sci Am** 235(2):24-9, Aug 76

Brainstem neurons without spontaneous unit discharge. Siegel JM, et al. **Science** 193(4249):240-2, 16 Jul 76

[Dynamics of sleep and the waking state after labyrinthine deafferentation] Doneshka P. **Eksp Med Morfol** 15(2):70-4, 1976 (Eng. Abstr.) **(Bul)**

[Electroencephalographic comparison of physiological and anesthetic sleep] Madzharov D. **Khirurgiia (Sofiia)** 28(2):160-4, 1975 (Eng. Abstr.) **(Bul)**

[Some problems related to the automatic interpretation of recordings of bioelectric activity in man] Gaillard JM. **Acta Psychiatr Belg** 75(3):237-54, May 75 (Eng. Abstr.) **(Fre)**

[Influence of the instrumental and social environment on the structure of a sample of the waking-sleep cycle in the male Wistar rat: correlations with the changes in reticulocortical system excitability] Lambert JF, et al. **Agressologie** 17(1):19-25, 1976 (Eng. Abstr.) **(Fre)**

[Monosynaptic and polysynaptic cerebral reflexes during wake-sleep cycle in cats with implanted electrodes] Ternaux JP, et al. **Arch Ital Biol** 113(2):89-106, Jun 75 **(Fre)**

[Evolution of visual evoked responses during various states of vigilance in Papio papio (author's transl)] Vuillon-Cacciuttolo G, et al. **Brain Res** 100(3):509-21, 26 Dec 75 (Eng. Abstr.) **(Fre)**

[Energy equilibrium during sleep in ruminants] Toutain PL, et al. **C R Acad Sci [D] (Paris)** 281(21):1605–8, 24 Nov 75 (Eng. Abstr.) **(Fre)**

[Changes in reactivity of rat visual system during wake–sleep cycle] Rallo JL. **C R Soc Biol (Paris)** 169(1):178–84, 1975 (Eng. Abstr.) **(Fre)**

[Sleep in the young adult studied through automatic analysis of recordings] Gaillard JM, et al. **Electroencephalogr Clin Neurophysiol** 41(1):73–82, Jul 76 (Eng. Abstr.) **(Fre)**

[Biochemical regulation of states of vigilance] Jouvet M. **Int J Neurol** 10(1–4):141–57, 252–8, 1975 (42 ref.) (Eng. Abstr.) **(Fre)**

[Secretion of gonadotropins during sleep. Changes during secondary amenorrheas] Passouant P, et al. **Nouv Presse Med** 5(15):975–9, 10 Apr 76 (Eng. Abstr.) **(Fre)**

[Evolution of paroxysmal discharges during radiotelemetry in a child suffering from 'gelastic epilepsy'] Arfel G, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(1):73–81, Jan–Mar 75 **(Fre)**

[Polygraphic night sleep. Considerations concerning the chronic alcoholic in withdrawal] Bedoret JM, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):231–2, Apr–Jun 71 **(Fre)**

[Pattern of spontaneous electrodermal activity during sleep in the newborn and infants] Curzi-Dascalova L, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):434–7, Jul–Sep 74 **(Fre)**

[Electrodermogram of all 4 limbs during sleep] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):227–31, Apr–Jun 73 **(Fre)**

[Transition from slow wave sleep to paradoxical sleep in the normal child 5 to 10 years of age] Garma L, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):103–13, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[Pre- and post-apneic sleep in the Pickwickian patient] Kurtz D, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):278–82, Jul–Sep 75 **(Fre)**

[EEG polygraphic study of wakefulness and sleep in a syndrome of myoclonus of action and intention] Kurtz D, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(3):255–67, Jul–Sep 73 (Eng. Abstr.) **(Fre)**

[Further remarks on the PMS (posterior median spikes) of sleep] Laurette G, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):214–8, Apr–Jun 73 **(Fre)**

[Periodic autonomic and somatic phenomena during drowsiness and sleep] Lugaresi E, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(1):73, Jan–Mar 71 **(Fre)**

[Sleep and acute intoxication] Mellerio F. **Rev Electroencephalogr Neurophysiol Clin** 3(2):243–5, Apr–Jun 73 **(Fre)**

[Electroencephalographic study of wakefulness and sleep under prolonged hyperbarism in helium–oxygen atmosphere. Operation Janus II] Rostain JC, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):239–41, Apr–Jun 71 **(Fre)**

[Electrographic concomitants of sleep onset. Study in the cat and functional phylogenetic perspectives] Rougeul A. **Rev Electroencephalogr Neurophysiol Clin** 3(1):7–20, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[Hypotheses and preliminary results concerning the relation between occipital spikes and sleep in the child with visual deficit] Salzarulo P. **Rev Electroencephalogr Neurophysiol Clin** 5(1):86–9, Jan–Mar 75 **(Fre)**

[Night sleep in an 8-month-old infant with tracings of hypsarrhythmia. Importance of transitional states] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):457–62, Jul–Sep 74 **(Fre)**

[Hervey de Saint-Denys: his life, his research and his discoveries on sleep and dreams. (Hommage at the occasion of the 150th anniversary of his birth)] Schwartz BA. **Rev Electroencephalogr Neurophysiol Clin** 2(2):131–9, Apr–Jun 72 **(Fre)**

[Child's sleep and its disorders] **Rev Neuropsychiatr Infant** 23(10–11):645–63, Oct–Nov 75 **(Fre)**

[Problems of the electric response audiometry (ERA) during the natural and artificial sleep (author's transl)] Freigang B, et al. **Arch Otorhinolaryngol (NY)** 211(2):81–92, 30 Nov 75 (Eng. Abstr.) **(Ger)**

[EEG aspects of waking-sleep behaviour and the chronophysiology of endogenous depressions] Bente D. **Arzneim Forsch** 26(6):1058–61, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the stability of human ultradian rhythms (author's transl)] Schulz H, et al. **Arzneim Forsch** 26(6):1055–8, 1976 (Eng. Abstr.) **(Ger)**

[Changes of pulse rate caused by sonic bomms during sleep (author's transl)] Griefahn B. **Eur J Appl Physiol** 34(4):279–89, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Causes of sleep disorders from the viewpoint of the neurologist] Janzen R, et al. **Internist (Berlin)** 17(5):232–8, May 76 (34 ref.) **(Ger)**

[The sleep and narcotics. Physiology, pharmacology and clinical picture of sleep] Leutner V. **Med Welt** 27(1):1–10, 2 Jan 76 **(Ger)**

[Editorial: Modern aspects of sleep research (author's transl)] Schoenenberger GA. **Praxis** 64(20):609–11, 20 May 75 **(Ger)**

[Contribution of electroencephalography to sleep research] Hess R. **Schweiz Arch Neurol Neurochir Psychiatr** 115(2):193–9, 1974 **(Ger)**

[Phasic activation of the CA1 pyramidal neurons of the hippocampus during sleep with rapid waves after lesion of the septum] Franzini C, et al. **Boll Soc Ital Biol Sper** 51(15–16):981–6, 30 Aug 75 **(Ita)**

[Quantitative analysis of the relations between preoptic temperature and respiratory rate during sleep] Lenzi P, et al. **Boll Soc Ital Biol Sper** 51(15–16):977–80, 30 Aug 75 **(Ita)**

[Secretion of anterior pituitary hormone with special reference to the mode of secretion during sleep] Matsukura S, et al. **Clin Endocrinol (Tokyo)** 23(11):1067–76, Nov 75 **(Jpn)**

[Consistency of auditory brain stem response in young children during sleep (author's transl)] Koizumi S. **J Otolaryngol Jpn** 78(9):820–5, 20 Sep 75 (Eng. Abstr.) **(Jpn)**

[Brain activity during sleep] Gawrońska I. **Psychiatr Pol** 10(3):317–28, May–Jun 76 **(Pol)**

[Model of the effect of the vestibular system on blood pressure during sleep] Doneshka PI, et al. **Biofizika** 21(1):161–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Electrographic manifestations of 'falling asleep' in isolated cat cortex] Bogoslovskiĭ MM. **Biull Eksp Biol Med** 81(1):3–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Functional organization of the sleep state in infants under normal conditions and in brain damage] Fantalova VL. **Biull Eksp Biol Med** 80(9):21–6, Sep 75 (Eng. Abstr.) **(Rus)**

[The effect of low-frequency electric stimulation of the caudate nucleus on the electrical activity of the cortex and on the sleep-wakefulness cycle] Oniani TN, et al. **Fiziol Zh SSSR** 62(1):29–37, Jan 76 (Eng. Abstr.) **(Rus)**

[Characteristics of nocturnal sleep in hysterical neurosis] Rotenberg VS, et al. **Klin Med (Mosk)** 53(9):111–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Emotional stress and sleep] Latash LP, et al. **Vestn Akad Med Nauk SSSR** (8):76–81, 1975 (Eng. Abstr.) **(Rus)**

[Circadian cycles of wakefulness and rest in Rana temporaria frogs] Popova DI, et al. **Zh Evol Biokhim Fiziol** 12(2):199–201, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[A change in the reflex excitability of spinal motoneurons during daytime sleep in newborn infants] Vakhrameeva IA, et al. **Zh Evol Biokhim Fiziol** 12(2):162–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[A neurophysiologic study of sleep in children during the first year of life] Fantalova VL, et al. **Zh Vyssh Nerv Deiat** 26(1):140–52, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Dynamics of the cutaneous-galvanic reflex in different stages and cycles of nocturnal sleep] Rotenberg VS, et al. **Zh Vyssh Nerv Deiat** 25(4):858–60, Jul–Aug 75 **(Rus)**

RADIATION EFFECTS

Spontaneous motility, EEG and sleep–wakefulness cycle disturbances in rats suffered from fetal X-irradiation. Kiyono S, et al. **J Physiol Soc Jpn** 37(1):4–6, 1 Jan 75

SLEEP DEPRIVATION

Proceedings: Changes in cyclic AMP and dopamine-beta-hydroxylase during sleep deprivation. Kuhn E, et al. **Act Nerv Super (Praha)** 17(4):257–9, 1975

An attempt to influence by drugs recovery sleep after sleep deprivation. Radil-Weiss T. **Act Nerv Super (Praha)** 17(1):15–9, Mar 75

The dynamics of changes in free amino acids in brain after sleep deprivation. Sklenovský A, et al. **Act Nerv Super (Praha)** 17(1):65–6, Mar 75

The effect of sleep deprivation on depressed patients. Pflug B. **Acta Psychiatr Scand** 53(2):148–58, Feb 76

Effects of sleep deprivation on mood and central amine metabolism in depressed patients. Post RM, et al. **Arch Gen Psychiatry** 33(5):627–32, May 76

Total sleep deprivation on endogenous depression. van den Burg W, et al. **Arch Gen Psychiatry** 32(9):1121–5, Sep 75

REM phase deprivation and schizophrenia II. Zarcone V, et al. **Arch Gen Psychiatry** 32(11):1431–6, Nov 75

Rapid eye movement (rem) sleep deprivation: effect on acid mucopolysaccharides in rat brain. Levental M, et al. **Arch Int Physiol Biochim** 83(2):221–32, May 75

Binocular convergence in man during total sleep deprivation. Horne JA. **Biol Psychol** 3(4):309–19, Dec 75

Recovery sleep following different visual conditions during total sleep deprivation in man. Horne JA. **Biol Psychol** 4(2):107–18, Jun 76

The treatment of psychotic depression by sleep deprivation: a replication study. Bhanji S, et al. **Br J Psychiatry** 127:222–6, Sep 75

Editorial: Depression and curtailment of sleep. **Br Med J** 4(5996):543, 6 Dec 75

Inhibitory effect of the brain extract from sleep-deprived rats (BE–SDR) on the spontaneous discharges of crayfish abdominal ganglion. Nagasaki H, et al. **Brain Res** 109(1):202–5, 4 Jun 76

Proceedings: Relationships between spectral profiles of backgroung EEG and latencies of the human visual evoked potential (VEP). Tracy ML, et al. **Electroencephalogr Clin Neurophysiol** 39(4):434, Oct 75

Proceedings: Influence of sleep deprivation on human EEG. Ulč M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):439–40, Oct 75

Effects of sleep of restricted sleep. A cat case study. Ursin R, et al. **Electroencephalogr Clin Neurophysiol** 41(1):96–101, Jul 76

Sleep loss effects on movement time. Buck L. **Ergonomics** 18(4):415–25, Jul 75

Effects of five to seven days of sleep deprivation produced by electrical stimulation of the midbrain reticular formation. Lucas EA. **Exp Neurol** 49(2):554–68, Nov 75

Sleep deprivation in the treatment of elderly depressed patients. Cole MG, et al. **J Am Geriatr Soc** 24(7):308–13, Jul 76

Proceedings: Production of sleep-deprived animals and development of a long-term automatic monitoring system for measuring the effect of sleep promoting substances. Ichikawa H, et al. **J Physiol Soc Jpn** 36(8–9):292–3, 1 Sep 74

Letter: Combined sleep deprivation and clomipramine in primary depression. Loosen PT, et al. **Lancet** 2(7977):156–7, 17 Jul 76

Changes in depth perception during a non–stop walk of 302 1/4 miles. Todor JI. **Percept Mot Skills** 40(3):762, Jun 75

Enzyme activity in sleep and sleep deprivation. Deguchi T, et al. **Pharmacol Biochem Behav** 3(6):957–60, Nov–Dec 75

Effects of REMS deprivation on striatal dopamine and acetylcholine in rats. Ghosh PK, et al. **Pharmacol Biochem Behav** 4(4):401–5, Apr 76

Spontaneous behavior and sleep–wakefulness cycle in isolated and paired REM sleep deprived–marihuana treated rats. Monti JM, et al. **Pharmacol Biochem Behav** 3(6):1025–9, Nov–Dec 75

Brief communication effects of estradiol on feeding and locomotion in REM deprived rats. Longuski PA, et al. **Physiol Behav** 16(1):97–9, Jan 76

Sleep deprivation treatment in depression: a review. Roy A, et al. **Postgrad Med J** 52(603):50–2, Jan 76

REM sleep deprivation and exploration in rats. Hicks RA, et al. **Psychol Rep** 38(2):567–70, Apr 76

REM sleep deprivation and exploration in young rats. Hicks RA, et al. **Psychol Rep** 38(3 Pt 2):1154, Jun 76

Effects of sleep deprivation on performance of a problem–solving task. Kjellberg A. **Psychol Rep** 37(2):479–85, Oct 75

Effect of self-enhanced EEG alpha on performance and mood after two nights of sleep loss. Hord DJ, et al. **Psychophysiology** 12(5):585–90, Sep 75

Feedback for high EEG alpha does not maintain performance or mood during sleep loss. Hord DJ, et al. **Psychophysiology** 13(1):58–61, Jan 76

Sleep deprivation and measures of emotionality in rats. Ogilvie RD, et al. **Psychophysiology** 13(3):249–60, May 76

The effects on subsequent sleep of an acute restriction of sleep length. Webb WB, et al. **Psychophysiology** 12(4):367–70, Jul 75

[Sleep deprivation therapy in depression. Preliminary report] Svendsen K, et al. **Ugeskr Laeger** 137(39):2270–1, 22 Sept 75 (Eng. Abstr.) **(Dan)**

[Y-maze learning in two strains of mice. Effects of instrumental and pharmacologic sleep deprivation] Kitahama K, et al. **Brain Res** 108(1):75–86, 21 May 76 (Eng. Abstr.) **(Fre)**

[Sleep deprivation. Clinical ratings, psychophysiological and biochemical measures (author's transl)] Schmocker M, et al. **Arch Psychiatr Nervenkr** 221(2):111–22, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Combined sleep deprivation/chlorimipramine therapy of endogenous depression (author's transl)] Loosen PT, et al. **Arzneim Forsch** 26(6):1177–8, 1976 (Eng. Abstr.) **(Ger)**

[Circulatory function in depression with the circadian rhythm uninfluenced or modified (author's transl)] Rudolf GA, et al. **Arzneim Forsch** 26(6):1174–7, 1976 (Eng. Abstr.) **(Ger)**

[Total and partial sleep deprivation in the treatment of depression: preliminary communication] Schilgen B, et al. **Arzneim Forsch** 26(6):1171–3, 1976 (Eng. Abstr.) **(Ger)**

[Differentiated reactions of psychogenic and endogenic depression to sleep deprivation and amitriptyline therapy] pp. 191–7. Bojanovsky J. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**

[Proceedings: Sleep promoting substances in the brain stem of rats] Nagasaki H, et al. **J Physiol Soc Jpn** 36(8–9):293, 1 Sep 74 **(Jpn)**

[Comparative evaluation of seizure provocation methods with sleep deprivation and Brietal in epileptics] Gajkowski K, et al. **Neurol Neurochir Pol** 10(2):267–72, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Several mechanisms of conditioned reflex disorders provoked by deprivation of paradoxical sleep] Kruglikov RI, et al. **Biol Nauki** (12):58–63, 1975 **(Rus)**

[Disorders in conditioned reflex activity and morphologic changes in the brains of rats deprived of paradoxical sleep] Kruglikov RI, et al. **Zh Vyssh Nerv Deiat** 25(3):471–6, May–June 75 (Eng. Abstr.) **(Rus)**

SLEEP DISORDERS

The sleep apnea syndromes. Guilleminault C, et al. **Annu Rev Med** 27:465–84, 1976 (93 ref.)

Characteristics of poor sleep with the normal human being. Tanaka M. **Folia Psychiatr Neurol Jpn** 29(2):149–67, 1975

What we know about sleep disorders in children. Anders TF. **Med Times** 104(4):75–8, 80, Apr 76

Letter: Sleep apnea. Bauer J. **West J Med** 123(4):316, Oct

75
[Dreams under normal conditions and in pathology] Vein AM, et al. **Zh Nevropatol Psikhiatr** 76(2):233–8, 1976 (Eng. Abstr.) **(Rus)**
[Dynamics of the cutaneous–galvanic reflex in different stages and cycles of nocturnal sleep] Rotenberg VS, et al. **Zh Vyssh Nerv Deiat** 25(4):858–60, Jul–Aug 75 **(Rus)**

CHEMICALLY INDUCED

Pavor nocturnus: a complication of single daily tricyclic or neuroleptic dosage. Flemenbaum A. **Am J Psychiatry** 133(5):570–2, May 76

CLASSIFICATION

[Nosologic problems raised by certain forms of hypersomnia] Kurtz D, et al.
Rev Electroencephalogr Neurophysiol Clin 1(2):227–30, Apr–Jun 71 **(Fre)**
[Classification of sleep disorders] Cadilhac J. **Therapie** 31(1):7–26, Jan–Feb 76 (60 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Do sleep patterns relate to the desire for alcohol? Allen RP, et al. **Adv Exp Med Biol** 59:495–508, 1975
Correlates of adolescent poor sleepers. Marks PA, et al. **J Abnorm Psychol** 85(2):243–6, Apr 76
Altered states of consciousness in disorders of daytime sleepiness. Guilleminault C, et al. **J Neurol Sci** 26(3):377–93, Nov 75
Sleep apnea in eight children. Guilleminault C, et al. **Pediatrics** 58(1):23–30, Jul 76
Musculosketal symptoms and non–REM sleep disturbance in patients with 'fibrositis syndrome' and healthy subjects. Moldofsky H, et al. **Psychosom Med** 37(4):341–51, Jul–Aug 75
[The clinical picture and pathogenesis of hypoglycemic hypersomnolent states with presentation of a special case] Taneva I, et al. **Khirurgiia (Sofiia)** 27(5):429–30, 1974 **(Bul)**
[Narcolepsy, hypersomnia and depression] Roth B, et al. **Cesk Neurol Neurochir** 38(5):307–13, Sep 75 (Eng. Abstr.) **(Cze)**
[Sleep disorders in blind children] Meier–Koll A, et al. **Fortschr Med** 93(25):1173–6, 11 Sep 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Case of lethargic–type hypersomnia] Bonduelle M, et al. **Rev Neurol (Paris)** 131(10):737–9, Oct 75 **(Fre)**
[Kleine–Levin syndrome. Female cases and catamneses] Wenzel U. **Fortschr Neurol Psychiatr** 44(4):137–50, Apr 76 (Eng. Abstr.) **(Ger)**
[Report on a case of periodic hypersomnia (Kleine–Levin syndrome)] Schlierf C. **Nervenarzt** 46(6):317–24, Jun 75 **(Ger)**
[Independent sleep–paralysis] Müller D.
Z Aerztl Fortbild (Jena) 69(15):803–4, 1 Aug 75 **(Ger)**
[Polygraphic structure of sleep and personality characteristics] Berezin FB, et al. **Sov Med** (12):19–24, Dec 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Letter: Treatment of periodic somnolence with lithium carbonate. Ogura C, et al. **Arch Neurol** 33(2):143, Feb 76
The effect of doxepin HC1 (Sinequan) on sleep patterns and clinical symptomatology of neurotic depressed patients with sleep disturbance. pp. 4–22. Karacan I, et al.
In: Mendels J, ed. Sinequan (doxepin HC1). Amsterdam, Excerpta Medica, 1975. W3 EX89 no.385 1975.
The effectiveness of diphenhydramine HCl in pediatric sleep disorders. Russo RM, et al. **J Clin Pharmacol** 16(5–6):284–8, May–Jun 76
[Treatment of sleep disorders with flurazepam (Dalmadorm), nitrazepam (Mogadon), and allypropymal. A controlled clinical investigation] Brodersen PE, et al.
Ugeskr Laeger 138(2):88–90, 5 Jan 76 (Eng. Abstr.) **(Dan)**
[Recent aspects in therapy of sleep disorders (author's transl)] Gaillard JM. **Ther Umsch** 32(8):520–31, Aug 75 (Eng. Abstr.) **(Fre)**
[Sedation in liver diseases] Markoff N. **Hippokrates** 45(4):519–21, Nov 74 **(Ger)**
[Letter: Sleep disorders in the elderly] Kaiser H.
Med Klin 70(46):1892, 14 Nov 75 **(Ger)**
[Effect of Alimemazine (Theralene) on sleep. Influence of psychopharmaceuticals on REM stages in normal persons and improvement of sleep in patients with sleep disorders] Jovanović UJ. **Med Welt** 26(25):1245–51, 20 Jun 75 **(Ger)**
[The sleep and narcotics. Physiology, pharmacology and clinical picture of sleep] Leutner V. **Med Welt** 27(1):1–10, 2 Jan 76 **(Ger)**
[The clinical efficiency of some hypnotics in cases of preoperative sleeping disturbances (author's transl)] Fassolt A. **Praxis** 64(32):1026–31, 12 Aug 75 (Eng. Abstr.) **(Ger)**
[Double–blind clinical study of rohypnol (author's transl)] Ochs D. **Praxis** 64(31):999–1001, 5 Aug 75 (Eng. Abstr.) **(Ger)**
[Therapeutic modification of sleep disorders in geriatric patients by means of a new hypnotic. Double–blind and long–term study] Samec V. **Wien Med Wochenschr** 126(1–3):23–6, 9 Jan 76 **(Ger)**
[Efficacy of the oral treatment with L–tryptophan in subjects with insomnia. Preliminary results] Buscaino GA, et al. **Acta Neurol (Napoli)** 30(4):411–5, Jul–Aug 75 (Eng. Abstr.) **(Ita)**
[Sleep: notes on pediatric pharmacotherapy (in the light of current knowledge of its principal characteristics)] Nigro N, et al. **Minerva Pediatr** 27(36):1999–2007, 17 Nov 75 (Eng. Abstr.) **(Ita)**
[Editorial: Hypnotics] Naess K. **Tidsskr Nor Laegeforen** 95(19–21):1175–6, 10 Jul 75 **(Nor)**
[Sleep disorders and their treatment] Sozinov LV. **Voen Med Zh** (6):38–40, Jun 76 **(Rus)**

ETIOLOGY

Dreaming sleep attacks and desynchronized sleep enhancement. Report of a case of brain stem signs. Hobson JA. **Arch Gen Psychiatry** 32(11):1421–4, Nov 75
Electrocorticographic distrubances after portacaval shunt in the rat: a quantitative evaluation. Grange D, et al.
Biomedicine [Express] 23(2):76–8, 28 Feb 75
Nocturnal psychophysiological correlates of somatic conditions and sleep disorders. Kales JD, et al.
Int J Psychiatry Med 6(1–2):43–62, 1975 (54 ref.)
'Ondine's curse'. A complication of upper cervical–spine surgery. Fielding JW, et al. **J Bone Joint Surg [Am]** 57(7):1000–1, Oct 75
Alveolar hypoventilation and hyperosmnia in myotonic dystrophy. Coccagna G, et al.
J Neurol Neurosurg Psychiatry 38(10):977–84, Oct 75
Paroxysmal 'nightmares'. Sequel of a stroke responsive to diphenylhydantoin. Boller F, et al. **Neurology (Minneap)** 25(11):1026–8, Nov 75
Sleep abnormalities in patients with brain stem lesions. Markand ON, et al. **Neurology (Minneap)** 26(8):769–76, Aug 76
The effect of some bacterial products on temperature and sleep in rat. Mašek K, et al. **Z Immunitaetsforsch** 149(2–4):273–82, Jul 75
[Hypersomnia – the symptom of depression (polygraphic study)] Stojanović V. **Neuropsihijatrija** 22(1–4):101–8, 1974 (Eng. Abstr.) **(Cro)**
[Child's sleep and its disorders] **Rev Neuropsychiatr Infant** 23(10–11):645–63, Oct–Nov 75 **(Fre)**
[Sleep disorders in old age] pp. 159–67. Kaiser H.
In: Doberauer W, ed. Scriptum geriatricum. München, Urban & Schwarzenberg, 1975. W3 IN973 1974s. (Ger)
[Causes of sleep disorders from the viewpoint of the neurologist] Janzen R, et al. **Internist (Berlin)** 17(5):232–8, May 76 (34 ref.) **(Ger)**
[Psychoanalytic interpretation of sleep–disturbances. Model of a structural–theoretical classification (author's transl)] Hoffmann SO. **Psychother Med Psychol (Stuttg)** 25(2):51–8, Mar 75 (Eng. Abstr.) **(Ger)**
[Obesity and hypersomnia. Physiopathological and therapeutic aspects] Lodi A, et al.
Folia Endocrinol (Roma) 27(1):77–84, Feb 74 **(Ita)**
[Interrelationship of sleep disorders with occupational factors and sonatic pathology] Barder AI. **Gig Tr Prof Zabol** (7):45–6, Jul 75 **(Rus)**
[The structure of nocturnal sleep in stroke] Gafurov BG. **Zh Nevropatol Psikhiatr** 75(8):1143–8, 1975 (Eng. Abstr.) **(Rus)**
[Lesions of the brain stem and sleep] Bottinelli MD, et al. **Acta Neurol Lat Am** 19(1–4):31–44, 1973 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Genealogical study of hypersomnia and narcolepsy] Nevšímalová S, et al. **Cesk Neurol Neurochir** 35(1):1–8, 1972 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

The pathophysiology of sleep disorders in pediatrics. Part I. Sleep in infancy. Anders TF, et al. **Adv Pediatr** 22:137–50, 1976 (37 ref.)
The pathophysiology of sleep disorders in pediatrics. Part II. Sleep disorders in children. Guilleminault C, et al.
Adv Pediatr 22:151–74, 1976 (34 ref.)
Poly–hormonal evaluationof pulsatile adenohypophysis incretory activity during sleep in normal, experimental and pathologic conditions. Isidori A, et al. **Chronobiologia** 3(1):39–50, Jan–Mar 76
Proceedings: Sleep–induced apnea syndrome in 6 children. Guilleminault C, et al.
Electroencephalogr Clin Neurophysiol 39(4):432, Oct 75
Proceedings: Automatic behavior syndrome in patients with excessive daytime somnolence. Guilleminault C, et al.
Electroencephalogr Clin Neurophysiol 39(4):432–3, Oct 75
Proceedings: Polygraphic studies in hypersomniacs. Le Van Thanh, et al. **Electroencephalogr Clin Neurophysiol** 39(5):545, Nov 75
Proceedings: Polygraphic study of night sleep in idiopathic narcolepsy–cataplexy and in idiopathic hypersomnia. Roth B, et al. **Electroencephalogr Clin Neurophysiol** 39(4):440, Oct 75
Proceedings: Polygraphic studies of a patient with Kleine–Levin–Critchely syndrome. Wilkus RJ, et al.
Electroencephalogr Clin Neurophysiol 39(4):431, Oct 75
Electrophysiological changes during episodes of the Kleine–Levin syndrome. Wilkus RJ, et al.
J Neurol Neurosurg Psychiatry 38(12):1225–31, Dec 75
Neurochemical and neuropharmacological foundations of the sleep disorders. Dement WC, et al.
Psychopharmacol Commun 1(6):687–8, 1975
[Sleep and respiration in the syndrome 'apnea during sleep' in the child] Guilleminault C, et al.
Electroencephalogr Clin Neurophysiol 41(4):367–78, Oct 76 (Eng. Abstr.) **(Fre)**
[Hypersomnia with periodic breathing during sleep—its clinical features and physio–pathological mechanism (author's transl)] Furuya E. **Psychiatr Neurol Jpn** 77(12):891–914, 1975 (Eng. Abstr.) **(Jpn)**
[Periodic somnolence syndrome] Davydova FB.
Zh Nevropatol Psikhiatr 74(3):361–3, 1974 (Eng. Abstr.) **(Rus)**

THERAPY

Effects of progressive relaxation on sleep disturbance: an electroencephalographic evaluation. Borkovec TD, et al.
Psychosom Med 38(3):173–80, May–Jun 76
[Use of magnetic fields and electronic noise in the treatment of insomnia and neurosis] Grünner O.
Cesk Neurol Neurochir 39(1):1–11, Jan 76 (Eng. Abstr.) **(Cze)**
[Editorial: Sleep disturbances and their treatment] Springman R. **Harefuah** 90(4):183–5, 15 Feb 76 **(Heb)**
[Electrosleep and rhythmotherapeutic sleep] Rabichev LIa, et al. **Zh Nevropatol Psikhiatr** 76(3):443–6, 1976 (Eng. Abstr.) **(Rus)**

SLEEP, REM

Stability of individual differences during paradoxical sleep in infants. Dittrichová J, et al. **Act Nerv Super (Praha)** 17(1):49, Mar 75
EEG and REM sleep studies in deaf people. Robinson LD, et al. **Am Ann Deaf** 120(4):387–90, Aug 75
Dreams and dreaming: the current state of the art. Miller CH. **Am J Psychoanal** 35(2):135–46, Summer 75 (45 ref.)
Electroencephalographic sleep diagnosis of primary depression. Coble P, et al. **Arch Gen Psychiatry** 33(9):1124–7, Sep 76
Rapid eye movement sleep density. An objective indicator in severe medical–depressive syndromes. Foster FG, et al. **Arch Gen Psychiatry** 33(9):1119–23, Sep 76
REM phase deprivation and schizophrenia II. Zarcone V, et al. **Arch Gen Psychiatry** 32(11):1431–6, Nov 75
Rapid eye movement (rem) sleep deprivation: effect on acid mucopolysaccharides in rat brain. Levental M, et al.
Arch Int Physiol Biochim 83(2):221–32, May 75
A genetic model of narcolepsy. Leckman JF, et al.
Br J Psychiatry 128:276–9, Mar 76
Inferior quality of RSA during paradoxical sleep in rats with hereditary diabetes insipidus. Urban I, et al. **Brain Res** 97(2):362–6, 31 Oct 75
The incidence of premature contractions in coronary patients during the sleep–awake cycle. Monti JM, et al.
Cardiology 60(5):257–64, 1975
Proceedings: Abnormalities of REM sleep in narcoleptics and in acute alcohol–psychotics. Hishikawa Y.
Electroencephalogr Clin Neurophysiol 39(5):542–3, Nov 75
Proceedings: Paradoxical phase of sleep and intracranial pressure in compensated hydrocephalus. Pierre–Kahn A, et al. **Electroencephalogr Clin Neurophysiol** 39(5):551, Nov 75
Proceedings: Treatment of narcolepsy, a REM sleep disorder, with psychotropic drugs. Takahashi Y.
Electroencephalogr Clin Neurophysiol 39(5):543, Nov 75
Correlates of ego–level and agency–communion in stage REM dreams of 11–13 year old children. Trupin EW.
J Child Psychol Psychiatry 17(3):169–80, Jul 76
5–Hydroxytryptophan and sleep in Down's syndrome. Petre–Quadens O, et al. **J Neurol Sci** 26(3):443–53, Nov 75
Eye movements during REM sleep: the influence of personality and presleep conditions. Cohen DB.
J Pers Soc Psychol 32(6):1090–3, Dec 75
The assessment of nocturnal REM erection in the differential diagnosis of sexual impotence. Fisher C, et al.
J Sex Marital Ther 1(4):277–89, Summer 75
Letter: Value of REM sleep. Feder R. **N Engl J Med** 294(4):227, 22 Jan 76
Rapid eye movement sleep alterations in myasthenia gravis. Papazian O. **Neurology (Minneap)** 26(4):311–6, Apr 76
Effects of REMS deprivation on striatal dopamine and acetylcholine in rats. Ghosh PK, et al.
Pharmacol Biochem Behav 4(4):401–5, Apr 76
Spontaneous behavior and sleep–wakefulness cycle in isolated and paired REM sleep deprived–marihuana treated rats. Monti JM, et al. **Pharmacol Biochem Behav** 3(6):1025–9, Nov–Dec 75
Brief communication effects of estradiol on feeding and locomotion in REM deprived rats. Longuski PA, et al.
Physiol Behav 16(1):97–9, Jan 76
REM sleep deprivation and exploration in rats. Hicks RA, et al. **Psychol Rep** 38(2):567–70, Apr 76
REM sleep deprivation and exploration in young rats. Hicks RA, et al. **Psychol Rep** 38(3 Pt 2):1154, Jun 76
Effects of REM time on what is recalled. Cartwright RD, et al. **Psychophysiology** 12(5):561–8, Sep 75
[Letter: Duration of paradoxical sleep in man. Possible relations to the metabolism of dopamine] Renaud B, et al.
Nouv Presse Med 4(22):1656, 31 May 75 **(Fre)**
[Today infants fall asleep listening to the 'music of the heart']

Svalduz S. **Minerva Med** 66(68 Suppl):34–6, Oct 75 **(Ita)**

[Behavior of facial paraspasm during various phases of physiological nocturnal sleep] Di Perri R, et al. **Riv Neurol** 45(3):305–12, Jul–Sep 75 **(Ita)**

[Proceedings: Cortical development from the point of vegetative functional changes during sleep] Matsumoto J, et al. **J Physiol Soc Jpn** 36(8–9):281–2, 1 Sep 74 **(Jpn)**

[Proceedings: Eye movement in REM sleep in man] Morita Y. **J Physiol Soc Jpn** 36(8–9):281, 1 Sep 74 **(Jpn)**

[Several mechanisms of conditioned reflex disorders provoked by deprivation of paradoxical sleep] Kruglikov RI, et al. **Biol Nauki** (12):58–63, 1975 **(Rus)**

[Premature and usual periods of 'rapid' sleep during attacks of diurnal narcolepsy] Rait ML, et al. **Zh Nevropatol Psikhiatr** 76(5):698–704, 1976 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

A note on REM rebound during experimental alcohol withdrawal in alcoholics. Gross MM, et al. **Adv Exp Med Biol** 59:509–13, 1975

Interaction of psychotropic agents with central neurotransmitters as revealed by their effects on PGO waves in the cat. Haefely W, et al. **Arzneim Forsch** 26(6):1036–9, 1976

Chick phasic bioelectric activity at the time of hatching and the effects of previous nialamide injection. Speciale SG Jr, et al. **Brain Res** 101(1):148–54, 9 Jan 76

Letter: REM sleep and cardiac arrhythmias. Orr WC, et al. **Circulation** 52(3):519, Sep 75

Proceedings: Dissociation between the tonic and the phasic events during REM sleep by the administration of some neuro-active drugs (Discussion 2). Hata H. **Electroencephalogr Clin Neurophysiol** 39(5):543, Nov 75

Differential effects of chlorpromazine, imipramine, nitrazepam and amobarbital on REM sleep and REM density in man. Okuma T, et al. **Folia Psychiatr Neurol Jpn** 29(1):25–37, 1975

Effects of growth hormone on sleep-waking patterns in cats. Stern WC, et al. **Horm Behav** 6(2):189–96, Jun 75

Withdrawal of the paradoxal sleep by the clomipramine, electrophysiological, histochemical and biochemical study. Passouant P, et al. **Int J Neurol** 10(1–4):186–97, 1975

EEG sleep studies of insomniacs under flunitrazepam treatment. Gaillard JM, et al. **Int Pharmacopsychiatry** 10(4):199–207, 1975

Letter: Narcolepsy: REM sleep suppression by L-dopa. Gilbert JC, et al. **N Engl J Med** 294(15):849, 8 Apr 76

The effect of LSD upon sponstaneous PGO wave activity and REM sleep in the cat. Brooks DC. **Neuropharmacology** 14(11):847–57, Nov 75

Changes in the electroencephalogram and REM sleep time during morphine abstinence in pellet-implanted rats. Colasanti B, et al. **Res Commun Chem Pathol Pharmacol** 12(1):163–72, Sep 75

REM sleep induction by physostigmine infusion during sleep. Sitaram N, et al. **Science** 191(4233):1281–3, 26 Mar 76

[Supppression of paradoxical sleep by chloramphenicol. Absence of effect by thiamphenicol] Petitjean F, et al. **C R Soc Biol (Paris)** 169(5):1236–9, 1975 (Eng. Abstr.) **(Fre)**

[Letter: Narcolepsy. Suppression of paradoxical sleep by L-dopa] Gilbert JC, et al. **Nouv Presse Med** 5(20):1309–10, 15 May 76 **(Fre)**

[Electroencephalographic changes of REM during sleep in patients treated with N-dimethyldiazepam] Perbellini D, et al. **Therapie** 30(5):667–78, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Effect of Alimemazine (Theralene) on sleep. Influence of psychopharmaceuticals on REM stages in normal persons and improvement of sleep in patients with sleep disorders] Jovanović UJ. **Med Welt** 26(25):1245–51, 20 Jun 75 **(Ger)**

[Quantitative analysis of sleep in enuretic subjects treated with Ro-5 4200] Pinto F, et al. **Riv Neurol** 45(3):278–84, Jul–Sep 75 **(Ita)**

PHYSIOLOGY

The biological significance of PGO spikes in the sleeping cat. Morrison AR, et al. **Acta Neurobiol Exp (Warsz)** 35(5–6):821–40, 1975

Effects of electrical stimulation of the mesencephalon and diencephalon on the paradoxical phase of sleep. Oniani TN, et al. **Acta Neurobiol Exp (Warsz)** 35(4):323–42, 1975

Analysis of phasic activities in the lateral rectus muscle of the eyes (PALRE) during paradoxical sleep in chronic cerebellectomized cats. Gadea-Ciria M, et al. **Brain Res** 111(2):416–15, 30 Jul 76

Vago-aortic nerves stimulation and REM sleep: evidence for a REM-triggering and a REM-maintenance factor. Puizillout JJ, et al. **Brain Res** 111(1):181–4, 23 Jul 76

Hippocampal theta rhythm. II. Depth profiles in the freely moving rabbit. Winson J. **Brain Res** 103(1):71–9, 13 Feb 76

Eye movement frequencies and related paradoxical sleep cycles: developmental changes. Petre-Quadens O, et al. **Chronobiologia** 1(4):348–55, Oct–Dec 74

Semi-automatic analysis of rapid eye movement (REM) patterns: a software package. Ktonas PY, et al. **Comput Biomed Res** 9(2):109–24, Apr 76

Proceedings: Paradoxical phase of sleep in man: study of skin electrical activity. Gabersek V, et al. **Electroencephalogr Clin Neurophysiol** 39(5):555, Nov 75

Time trends and periodic cycles in REM sleep eye movements. Krynicki V. **Electroencephalogr Clin Neurophysiol** 39(5):507–13, Nov 75

Proceedings: Quantitative analysis of REM sleep in normal human subjects (Discussion 1). Morita Y. **Electroencephalogr Clin Neurophysiol** 39(5):543, Nov 75

Evidence for the presence of eye movement potentials during paradoxical sleep in cats. Sakai K, et al. **Electroencephalogr Clin Neurophysiol** 41(1):37–48, Jul 76

Cerebellar control of activity of the feline oculomotor system during paradoxical sleep. Gadea-Ciria M. **Exp Neurol** 51(1):263–5, Apr 76

Reversible suppression of ponto-geniculo-occipital waves by localized cooling during paradoxical sleep in cats. Laurent JP, et al. **Exp Neurol** 49(2):356–69, Nov 75

Tele-encephalic versus cerebellar control upon ponto-geniculo-occipital waves during paradoxical sleep in the cat. Gadea-Ciria M. **Experientia** 32(7):889–90, 1976

The paradoxical sleep cycle revisited. pp. 487–90. Lewis SA. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Rapid eye movements during sleep and wakefulness. pp. 491–4. Othmer E, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

REM's ultradian rhythm during 24 hours in narcolepsy. pp. 495–8. Passouant P. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Studies of the temporal organization of functional states. pp. 499–502. Sterman MB. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

On the development of ultradian rhythms: the rapid eye movement activity in premature children. pp. 478–81. Ullner RE. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Respiratory load compensation in infants. Knill R, et al. **J Appl Physiol** 40(3):357–61, Mar 76

Studies on the electroencephalogram in ruminants. VII. Brain temperature, brain oxygen tension and blood flow in the common carotid artery during paradoxical sleep in goats. Sugawara H, et al. **Jpn J Vet Sci** 38(1):41–8, Feb 76

Phase shift in the REM sleep rhythm. Schulz H, et al. **Pfluegers Arch** 358(3):203–12, 28 Jul 75

REM sleep predicts subsequent food intake. Siegel JM. **Physiol Behav** 15(5):399–403, Oct 75

Increases in paradoxical sleep as a result of amygdaloid stimulation. Smith CT, et al. **Physiol Behav** 15(1):17–9, Jul 75

Antidiuretic hormone secretion during sleep in adult men. Rubin RT, et al. **Prog Brain Res** 42:121–2, 1975

REM sleep and the analytic process: a psychophysiologic bridge. Greenburg R, et al. **Psychoanal Q** 44(3):392–403, Jul 75

Eye movements and visually active dreams. Firth H, et al. **Psychophysiology** 12(5):602–6, Sep 75

Auditory evoked potential in stage 2 and REM sleep during a 30-day exposure to tone pulses. Townsend RE, et al. **Psychophysiology** 13(1):54–7, Jan 76

Theta spindles in human R.E.M. sleep. Putkonen PT, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):223–6, Apr–Jun 73

[Psychophysiology of paradox sleep and hypotheses on functions of dreams (author's transl)] Radil-Weiss T, et al. **Cesk Psychiatr** 71(2–3):173–9, Jun 75 (Eng. Abstr.) **(Cze)**

[Y-maze learning in two strains of mice. Effects of instrumental and pharmacologic sleep deprivation] Kitahama K, et al. **Brain Res** 108(1):75–86, 21 May 76 (Eng. Abstr.) **(Fre)**

[Evolution of visual evoked responses during various states of vigilance in Papio papio (author's transl)] Vuillon-Cacciuttolo G, et al. **Brain Res** 100(3):509–21, 26 Dec 75 (Eng. Abstr.) **(Fre)**

[Differential organization of rapid eye movements in the paradoxical sleep of two inbred mice strains] Cespuglio MR, et al. **C R Acad Sci [D] (Paris)** 280(23):2681–4, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Value of the study of eye movements and REM sleep in psychiatry] de Barros Ferreira M. **Rev Electroencephalogr Neurophysiol Clin** 1(2):233–8, Apr–Jun 71 **(Fre)**

[Ocular activity and parodoxical sleep in the normal subject] de Barros-Ferrier M, et al. **Rev Electroencephalogr Neurophysiol Clin** 2(2):213–20, Apr–Jun 72 **(Fre)**

[Paradoxical phase of sleep in man: electrodermographic activity] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(1):109–13, Jan–Mar 75 **(Fre)**

[Transition from slow wave sleep to paradoxical sleep in the normal child 5 to 10 years of age] Garma L, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):103–13, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[The abortive phases of paradoxical sleep] Huon H. **Rev Electroencephalogr Neurophysiol Clin** 2(2):171, Apr–Jun 72 **(Fre)**

[Paradoxical phase of sleep and intracranial pressure in the course of stabilized hydrocephalus] Pierre-Kahn A, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(1):5–9, Jan–Mar 75 **(Fre)**

[Transitional states preceding and following phases of REM sleep with eye movements in the normal infant of 8 to 30 months of age] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):97–102, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[Contacts between wakefulness and REM sleep. II: Fragmented REM sleep] Schwartz BA, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):165–76, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[Some indices of the activity of the brain in 'rapid' sleep preceeded or not preceeded by delta-sleep] Latash LP, et al. **Biull Eksp Biol Med** 79(4):26–30, Apr 75 (Eng. Abstr.) **(Rus)**

SLEEP STAGES

Effect of a memory retrieval task on recall of verbal material obtained after awakening from sleep. Cipolli C, et al. **Biol Psychol** 3(4):321–6, Dec 75

Kindling: secondary epileptogenesis, sleep and catecholamines. Sato M, et al. **Can J Neurol Sci** 2(4):439–46, Nov 75

Sleep, subcortical stimulation and kindling in the cat. Tanaka T, et al. **Can J Neurol Sci** 2(4):447–55, Nov 75

Sleep-stage regulation of ventricular arrhythmias in the unanesthetized pig. Skinner JE, et al. **Circ Res** 37(3):342–9, Sep 75

Proceedings: Night sleep EEG in myoclonic epilepsies. Brežný I, et al. **Electroencephalogr Clin Neurophysiol** 39(5):546–7, Nov 75

Sleep-waking cycle in rabbits after cerebral ischemia. Sainio K, et al. **Electroencephalogr Clin Neurophysiol** 39(6):663–6, Dec 75

Proceedings: Hypotheses and preliminary observations on the relation between occipital spikes and sleep in children with a visual defect. Salzarulo P. **Electroencephalogr Clin Neurophysiol** 39(5):555, Nov 75

Photic sensitivity of children with absence seizures in slow wave sleep. Sato S, et al. **Electroencephalogr Clin Neurophysiol** 39(5):479–89, Nov 75

Kindling effect and sleep organization in cats. Tanaka T, et al. **Electroencephalogr Clin Neurophysiol** 39(5):449–54, Nov 75

Proceedings: The kindling effect in the cat and the rat: neurophysiological and neuropharmacological approach. Tanaka T, et al. **Electroencephalogr Clin Neurophysiol** 39(5):553, Nov 75

The orthodox-paradoxical sleep cycle in the rat. Gaillard JM, et al. **Experientia** 32(6):718–9, 15 Jun 76

Sleep-cycle alterations during pregnancy, postpartum, and the menstrual cycle. pp. 335–52. Petre-Quadens O, et al. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.**

Ventilation and sleep states in newborn infants. Finer NN, et al. **J Pediatr** 89(1):100–8, Jul 76

Growth hormone release during sleep and with thermal stimulation in depressed patients. Schilkrut R, et al. **Neuropsychobiology** 1(2):70–9, 1975

Some therapeutic concepts of sleep. Martin IC. **Nurs Times** 71(41):1611–4, 9 Oct 75

Duration of EEG sleep stages in different types of disturbed night sleep. Březinová V. **Postgrad Med J** 52(603):34–6, Jan 76

State and trait correlates of sleep stages. Webb WB, et al. **Psychol Rep** 38(3 Pt 2):1181–2, Jun 76

Aspects of the cerebral circulation during non-REM sleep in healthy controls and psychiatric patients, as shown by rheoencephalography. Lovett Doust JW, et al. **Psychophysiology** 12(5):493–8, Sep 75

Habituation of the orienting response in sleep. McDonald DG, et al. **Psychophysiology** 12(6):618–23, Nov 75

SLEEPSTA: sleep stage data handler. Walker S, et al. **Psychophysiology** 13(2):159, Mar 76

A 'nonintrusive' longitudinal study of infant sleep. Kligman D, et al. **Psychosom Med** 37(5):448–53, Sep–Oct 75

Musculosketal symptoms and non-REM sleep disturbance in patients with 'fibrositis syndrome' and healthy subjects. Moldofsky H, et al. **Psychosom Med** 37(4):341–51, Jul–Aug 75

The relationship of sleep and sleep stages to neuroendocrine secretion and biological rhythms in man. Weitzman ED, et al. **Recent Prog Horm Res** 31:399–446, 1975 (103 ref.)

[Sleep and respiration in the syndrome 'apnea during sleep' in the child] Guilleminault C, et al. **Electroencephalogr Clin Neurophysiol** 41(4):367–78, Oct 76 (Eng. Abstr.) **(Fre)**

[Masticatory muscle activity and sleep stages] Pöllmann L, et al. **ZWR** 84(15):692–4, 10 Aug 75 **(Ger)**

[The influence of diabetes mellitus in pregnancy on the sleep cycle formation in newborn infants] Poliakova GP, et al. **Akush Ginekol (Mosk)** (11):23–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Dreams under normal conditions and in pathology] Vein AM, et al. **Zh Nevropatol Psikhiatr** 76(2):233–8, 1976 (Eng. Abstr.) **(Rus)**

[Quantitative analysis of the electroencephalographic activity during human sleep] Lozoya X, et al. **Arch Invest Med (Mex)** 6(3):467–76, 1975 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

An attempt to influence by drugs recovery sleep after sleep deprivation. Radil-Weiss T. **Act Nerv Super (Praha)** 17(1):15-9, Mar 75

L-dopa plus dopa-decarboxylase inhibitor. Sleep organization in Parkinson's syndrome before and after treatment. Bergonzi P, et al. **Acta Neurol Belg** 75(1):5-10, Jan-Feb 75

Sleep cycle control and cholinergic mechanisms: differential effects of carbachol injections at pontine brain stem sites. Amatruda TT III, et al. **Brain Res** 98(3):501-15, 21 Nov 75

The effects of 5-hydroxytryptophan and L-tryptophan on wakefulness and sleep patterns in the cat. Ursin R. **Brain Res** 106(1):105-15, 16 Apr 76

Effects of repeated doses of scopolamine on the electroencephalographic stages of sleep in normal volunteers. Sagalés T, et al. **Clin Pharmacol Ther** 18(06):727-32, Dec 75

Human sleep and 5-HTP. Effects of repeated high doses and of association with benserazide (RO.04.4602). Autret A, et al. **Electroencephalogr Clin Neurophysiol** 41(4):408-13, Oct 76

Methadone dependence and abstinence: EEG study in the rat. pp. 335-42. Khazan N, et al.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.

A comparison of the effects of sedatives on the auditory evoked cortical response. Skinner P, et al.
J Am Audiol Soc 1(2):71-8, Sep-Oct 75

Effect of 10 days reserpine or apomorphine administration on sleep cycles in rats. Benešova O.
Pharmacol Biochem Behav 4(2):119-22, Feb 76

[Effects of intracerebral injection of 5,6-hydroxytryptamine on the cerebral monoamines and the states of sleep in the cat] Froment JL, et al. **Brain Res** 67(3):405-17, 8 Mar 74 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Lesion of the anterior raphe nuclei in the newborn kitten and the effects on sleep. Adrien J. **Brain Res** 103(3):579-83, 27 Feb 76

Distribution of skin potential responses according to states of sleep during the first months of life in human babies. Curzi-Dascalova L, et al.
Electroencephalogr Clin Neurophysiol 41(4):399-407, Oct 76

Detection of cyclic sleep phenomena using instantaneous heart rate. Lisenby MJ, et al.
Electroencephalogr Clin Neurophysiol 40(2):169-77, Feb 76

Dynamics of nap sleep during a 40 hour period. Moses JM, et al. **Electroencephalogr Clin Neurophysiol** 39(6):627-33, Dec 75

The stability of the sigma sleep spindle. Silverstein LD, et al. **Electroencephalogr Clin Neurophysiol** 40(6):666-70, Jun 76

A simple sleep stage detector for the rat. Winson J.
Electroencephalogr Clin Neurophysiol 41(2):179-82, Aug 76

Pulsatile growth hormone release in the rat: failure to demonstrate a correlation with sleep phases. Willoughby JO, et al. **Endocrinology** 98(4):991-6, Apr 76

Development of sleep state patterns in the kitten. Hoppenbrouwers T, et al. **Exp Neurol** 49(3):822-38, Dec 75

Human cerebral blood flow during sleep. pp. 235-52. Seylaz J, et al.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.

Studies on ultradian rhythmicity in human sleep and associated neuro-endocrine rhythms. pp. 503-5. Weitzman ED, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Sleep patterns afted graded exercise. Shapiro CM, et al.
J Appl Physiol 39(2):187-90, Aug 75

Discharge patterns of cat pontine brain stem neurons during desynchronized sleep. McCarley RW, et al.
J Neurophysiol 38(4):751-66, Jul 75

Sleep EEG stages and growth hormone levels in endogenous and exogenous hypercortisolemia or ACTH elevation. Krieger DT. **Prog Brain Res** 42:121, 1975

Sleep-endocrinology studies in man. Rubin RT.
Prog Brain Res 42:73-80, 1975

Sleep-waking cycle of the hypophysectomized rat. Valatx JL, et al. **Prog Brain Res** 42:115-20, 1975

Neuro-endocrine pattern of secretion during the sleep-wake cycle of man. Weitzman ED. **Prog Brain Res** 42:93-102, 1975

Effect of sleep stage and stimulus intensity on auditory average evoked responses. Buchsbaum M, et al.
Psychophysiology 12(6):707-12, Nov 75

Habituation during sleeping and waking. Johnson LC, et al.
Psychophysiology 12(5):574-84, Sep 75

Studies of information processing in sleep. McDonald DG, et al. **Psychophysiology** 12(6):624-9, Nov 75

Auditory evoked potential in stage 2 and REM sleep during a 30-day exposure to tone pulses. Townsend RE, et al.
Psychophysiology 13(1):54-7, Jan 76

Monoamine changes in the brain of cats during slow-wave sleep. Kovačević R, et al. **Science** 193(4257):1025-7, 10Sep 76

Sleep during transcendental meditation. Pagano RR, et al.
Science 191(4224):308-10, 23 Jan 76

[Ontogenesis of stages of vigilance in the guinea pig fetus. Polygraphic study] Astic L.
Rev Electroencephalogr Neurophysiol Clin 3(1):54-64, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Study of EEG and the organization of various states of vigilance in Papio papio less than 4 months old] Balzamo E, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):238-42, Apr-Jun 73 **(Fre)**

[Thalamic unitary activity during the transition between slow wave sleep and paradoxical sleep: comparative study in the cat and the macaque] Benoit O.
Rev Electroencephalogr Neurophysiol Clin 3(1):39-45, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Sex hormones and sleep in women] Billiard M, et al.
Rev Electroencephalogr Neurophysiol Clin 4(1):89-106, Jan-Mar 74 (Eng. Abstr.) **(Fre)**

[Transitional sleep phases in narcolepsy and epilepsy] Cadilhac J, et al.
Rev Electroencephalogr Neurophysiol Clin 3(1):153-64, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Transitional sleep phases: effect of psychological and psychopathological factors on the organization of the 1st cycle] de Barros-Ferreira M.
Rev Electroencephalogr Neurophysiol Clin 3(1):137-52, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Transition from slow wave sleep to paradoxical sleep in the normal child 5 to 10 years of age] Garma L, et al.
Rev Electroencephalogr Neurophysiol Clin 3(1):103-13, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Intermediate stages of sleep in the rat] Gottesmann C.
Rev Electroencephalogr Neurophysiol Clin 3(1):65-8, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Autonomic changes during transitional phases of sleep in the normal adult] Kurtz D, et al.
Rev Electroencephalogr Neurophysiol Clin 3(1):115-36, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Cortical rhythms during intermediate phases in the chronically implanted unrestrained cat] Lanoir J.
Rev Electroencephalogr Neurophysiol Clin 3(1):46-53, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Transitional sleep states in the neonate at term] Monod N, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):87-96, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Phases of transitory activation and the changes of electroencephalographic stages of sleep] Muzet A, et al.
Rev Electroencephalogr Neurophysiol Clin 3(2):219-22, Apr-Jun 73 **(Fre)**

[Transitional states of sleep in man] Passouant P.
Rev Electroencephalogr Neurophysiol Clin 3(1):177-80, Jan-Mar 73 **(Fre)**

[Pavlov's internal inhibition and transitional states of vigilance] Rougeul A, et al.
Rev Electroencephalogr Neurophysiol Clin 4(1):69-78, Jan-Mar 74 (Eng. Abstr.) **(Fre)**

[Transitional phases of wakefulness-sleep and slow wave sleep-REM sleep in human psychophysiology] Salzarulo P. **Rev Electroencephalogr Neurophysiol Clin** 3(1):69-86, Jan-Mar 73 (64 ref.) (Eng. Abstr.) **(Fre)**

[Transitional states preceding and following phases of REM sleep with eye movements in the normal infant of 8 to 30 months of age] Samson-Dollfus D, et al.
Rev Electroencephalogr Neurophysiol Clin 3(1):97-102, Jan-Mar 73 (Eng. Abstr.) **(Fre)**

[Electroencephalographic periodicity in sleeping sickness: modulation by stages of sleep] Schwartz BA.
Rev Electroencephalogr Neurophysiol Clin 1(1):70-2, Jan-Mar 71 **(Fre)**

[Cardiac arrhythmias during sleep: on extrasystoles during sleep in relation to various sleep stages] Reinhard U, et al. **Verh Dtsch Ges Inn Med** 81:146-9, 1975 **(Ger)**

[Proceedings: Analysis of brain waves during sleep] Kobe T, et al. **J Physiol Soc Jpn** 36(8-9):317-8, 1 Sep 74 **(Jpn)**

[Brain activity during sleep] Gawrońska I. **Psychiatr Pol** 10(3):317-28, May-Jun 76 **(Pol)**

[Some indices of the activity of the brain in 'rapid' sleep preceeded or not preceeded by delta-sleep] Latash LP, et al. **Biull Eksp Biol Med** 79(4):26-30, Apr 75 (Eng. Abstr.) **(Rus)**

[Neuronal activity of the cat olfactory lobe during the sleep—wakefulness cycle] Torgovanova GV, et al.
Fiziol Zh SSSR 62(5):787-9, May 76 **(Rus)**

[Neuronal activity of the cat visual cortex during the sleep—wakefulness cycle] Mukhametov LM, et al.
Neirofiziologiia 8(4):343-50, 1976 (Eng. Abstr.) **(Rus)**

[The activity of hippocampal neurons during several types of behavior] Kotliar BI, et al. **Zh Vyssh Nerv Deiat** 25(6):1258-65, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[An EEG study of different behavioral states of freely moving dolphins] Mukhametov LM, et al.
Zh Vyssh Nerv Deiat 25(2):396-401, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Analysis of electroencephalographic frequency activity in Phrinosoma regali] Lozoya X, et al.
Arch Invest Med (Mex) 6(2):455-66, 1975 (Eng. Abstr.) **(Spa)**

SLIME BACTERIA see under **MYXOBACTERALES**

SLIME MOLDS see under **MYXOMYCETES**

SLOTHS see under **EDENTATA**

SLOW ALPHA 2-MACROGLOBULINS see **ALPHA MACROGLOBULINS**

SLOW REACTING SUBSTANCE OF ANAPHYLAXIS see **SRS-A**

SLOW-REACTING SUBSTANCES

see related
ANGIOTENSIN
KININS
SUBSTANCE P

ADVERSE EFFECTS

Letter: Gastric ulceration after 'slow-K'. McMahon FG, et al. **N Engl J Med** 295(13):733-4, 23 Sep 76

SLOW VIRUS DISEASES

Multiple sclerosis: relation to scrapie and slow infection; ageing and measles. Field EJ. **Acta Neurol Scand** 51(4):285-98, Apr 75

The slow infection caused by visna virus. Haase AT.
Curr Top Microbiol Immunol 72:101-56, 1975 (235 ref.)

General introduction to some slow virus diseases. Kimberlin RH. **Front Biol** 44:3-13, 1976

Some final comments on visna-maedi aleutian disease and scrapie. Kimberlin RH. **Front Biol** 44:383-95, 1976

[Attempts to isolate virus in nervous tissues during slow virus diseases] pp. 37-49. Lhermitte F, et al.
In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974. (Eng. Abstr.) **(Fre)**

[Slow-virus encephalopathies and their animal models] Cathala F. **Rev Electroencephalogr Neurophysiol Clin** 1(1):55-8, Jan-Mar 71 **(Fre)**

COMPLICATIONS

[Chronic viral infection in rheumatism and systemic lupus erythematosus] Vorob'eva NN, et al. **Vopr Virusol** (6):648-54, Nov-Dec 75 (62 ref.) **(Rus)**

IMMUNOLOGY

[Antibodies in latent adenovirus infection in human tonsil cell cultures] Vikhot' NE, et al. **Mikrobiol Zh** 36(3):328-32, May-Jun 74 (Eng. Abstr.) **(Ukr)**

MICROBIOLOGY

From the National Institutes of Health: current understanding of persistent viral infections and their implications in human disease--summary of a workshop. **J Infect Dis** 133(6):707-14, Jun 76

From the National Institutes of Health: current understanding of persistent viral infections and their implications in human disease--summary of a workshop. **J Infect Dis** 133(6):707-14, Jun 76

Letter: Survival of Creutzfeldt-Jakob-disease virus in formol-fixed brain tissue. Gajdusek DC, et al.
N Engl J Med 294(10):553, 4 Mar 76

[Slow-virus 'encephalitis' following measles in a child with cytostatically-treated leukaemia (author's transl)] Sluga E, et al. **Wien Klin Wochenschr** 87(7):248-51, 4 Apr 75 (Eng. Abstr.) **(Ger)**

[Latent form of foot-and-mouth infection] Salazhov EL, et al. **Veterinariia** (9):44-5, Sep 75 **(Rus)**

[Effect of arresting hibernation in leaf-eating lepidopterous pests on the appearance of a latent viral infection] Karabash IuA, et al. **Mikrobiol Zh** 36(2):230-2, Feb-Mar 74 (Eng. Abstr.) **(Ukr)**

PATHOLOGY

Pathogenesis of subacute spongiform encephalopathies. Asher DM, et al. **Ann Clin Lab Sci** 6(1):84-103, Jan-Feb 76 (189 ref.)

The clinical aspects of slow virus infections of the human brain. pp 145-60. Matthews WB.
In: Illis LS, ed. Viral diseases of the central nervous system. Baltimore, Williams & Wilkins, 1975. WL 300 V813 1974.

Transmissible mink encephalopathy. Reduced spongiform degeneration in aged mink of the Chediak-Higashi genotype. Marsh RF, et al. **Lab Invest** 34(4):381-6, Apr 76

PHYSIOPATHOLOGY

[Slow virus infections of the central nervous system: a concept of a slow cell death (author's transl)] Meulen V, et al. **Immun Infekt** 3(5):211-8, Oct 75 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Recent data on the properties of the viruses of kuru and transmissible virus dementias. Gajdusek DC, et al.
Papua New Guinea Med J 18(4):207-13, Dec 75

[Slow virus infections] Inglot AD.
Postepy Hig Med Dosw 29(4):409-23, Jul-Aug 75 (Eng. Abstr.) **(Pol)**

VETERINARY

The subacute spongiform encephalopathies. Marsh RF.

Front Biol 44:359–80, 1976 (91 ref.)
Pathogenesis of visna: review and speculation. Nathanson N, et al. **Front Biol** 44:115–31, 1976
Maedi and visna in sheep. Pálsson PA. **Front Biol** 44:17–43, 1976
Visna-maedi virus infection in cell cultures and in laboratory animals. Thormar H. **Front Biol** 44:97–114, 1976 (58 ref.)

SMALLPOX

Clinical observations on smallpox: a study of 1233 patients admitted to the Infectious Diseases Hospital, Calcutta, during 1973. Mazumder DN, et al. **Bull WHO** 52(3):301–6, 1975
The poxviruses: vaccinia and variola. Pettit TH. **Int Ophthalmol Clin** 15(4):203–10, Winter 75
Editorial: Smallpox. **Med J Zambia** 9(6):142, Dec 75–Jan 76
Smallpox in Bangladesh—the final story. Vetter SD. **Nurs Times** 72(26):1000–1, 1 Jul 76
[Editorial: Compulsory vaccination of children to be abolished] Bengtsson E. **Lakartidningen** 73(7):495, 11 Feb 76 **(Swe)**

COMPLICATIONS

[Case of sudden death of a child with smallpox] Vashetko RV, et al. **Pediatr Akush Ginekol** (6):29–39, Nov–Dec 75 **(Rus)**

DIAGNOSIS

[The use of the agar gel precipitation test for the laboratory diagnosis of smallpox] Sandow D, et al. **Z Med Labortech** 16(1):44–7, 1975 (Eng. Abstr.) **(Ger)**
[Diagnosis of smallpox and immunity by smallpox vaccine (author's transl)] Tgaya I. **Jpn J Clin Pathol** 23(7):489–95, Jul 75 **(Jpn)**

DRUG THERAPY

[Chemical agents for treatment of and emergency protection against smallpox] Ladnyi ID, et al. **Vopr Virusol** (1):4–12, Jan–Feb 76 **(Rus)**
[Study of the antiviral activity of marborane and its analogs in experimental smallpox in rabbits] Loziuk LV. **Mikrobiol Zh** 36(2):224–9, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

HISTORY

Some physical characteristics, including pock marks, tattoos and disabilities, of convict boys transported to Australia from Britain c.1840. Gandevia B. **Aust Paediatr J** 12(1):6–13, Mar 76
Intrauterine infection, 1808. Greenwood RD. **J Okla State Med Assoc** 68(11):416–7, Nov 75
Medical milestones in Maryland: Dr. Henry Stevenson. Fox D. **Md State Med J** 25(3):20, Mar 76
[Smallpox vaccination in Great Britain—past and present] Semple B. **Oeff Gesundheitswes** 37(9):572–7, Sep 75 **(Ger)**
[Smallpox in the light of Prof. Tissot's treatise of 1773] Wlodarczyk J, et al. **Wiad Lek** 28(17):1523–6, 1 Sep 75 **(Pol)**

IMMUNOLOGY

The level of some smallpox antibodies in selected population groups of several regions of Poland—in the years 1970–1973. Potajallo U. **Bull Inst Marit Trop Med Gdynia** 26(3–4):395–405, 1975
The minimum protective level of antibodies in smallpox. Sarkar JK, et al. **Bull WHO** 52(3):307–11, 1975
Detection by radioimmunoassay of antibodies in human smallpox patients and vaccinees. Ziegler DW, et al. **J Clin Microbiol** 1(3):311–7, Mar 75
[Dynamics of the antismallpox antibodies detectable in the passive hemagglutination reaction with various animal immunization schemes] Matsevich GR, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):44–7, Oct 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Serial isolation of variola virus in the throat of household contacts of smallpox cases. Sarkar JK, et al. **Bull Calcutta Sch Trop Med** 21(2):21–2, Apr 73
Duration of virus excretion in the throat of asymptomatic household contacts of smallpox patients. Sarkar JK, et al. **Indian J Med Res** 62(12):1800–3, Dec 74

OCCURRENCE

Variola minor in Bragança Paulista county, 1956. Attack rates in various population units of the two schools including most students with the disease. Klauber MR, et al. **Am J Epidemiol** 103(1):112–25, Jan 76
Three tests for randomness of attack of social groups during an epidemic. Klauber MR, et al. **Am J Epidemiol** 104(2):212–8, Aug 76
Epidemiological implications of the typing of variola isolates. Dumbell KR, et al. **Trans R Soc Trop Med Hyg** 69(3):303–6, 1975
Smallpox in 1974. **WHO Chron** 29(4):134–9, Apr 75
Variola minor in Braganca Paulista County, 1956. Flow of the epidemic through the schools of the county. Pederneiras CA, et al. **Zentralbl Bakteriol [Orig B]** 160(2):180–90, Mar 75
[Smallpox R.I.P.] Dekking F. **Ned Tijdschr Geneeskd** 119(49):1944–5, 6 Dec 75 **(Dut)**
[Smallpox in the District of Léman in 1811 (following the registration of Napoleonic conscription)] Barblan A. **Gesnerus** 31(3–4):193–220, 1974 (Eng. Abstr.) **(Fre)**
[Epidemiology of smallpox and the global smallpox eradication programme (author's transl)] Arita I. **Oeff Gesundheitswes** 37(9):563–71, Sep 75 (Eng. Abstr.) **(Ger)**
[Complications after smallpox vaccination] Tulzer VW, et al. **Wien Med Wochenschr** 125(25–27):424–7, 20 Jun 75 **(Ger)**
[Description of an epidemic outbrake of smallpox in Pakistan 1974] Gosset Osuna G. **Rev Invest Salud Publica** 35(2):117–29, Apr–Jun 76 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Evaluation of a measles-smallpox vaccination campaign by a sero-epidemiologic method. Breman JG, et al. **Am J Epidemiol** 102(6):564–71, Dec 75
Editorial: Control of smallpox. **Br Med J** 1(6003):181–2, 24 Jan 76
Progress of the global smallpox eradication programme in 1974. Tomaszunas S. **Bull Inst Marit Trop Med Gdynia** 26(3–4):407–14, 1975
Smallpox eradication in West and Central Africa. Foege WH, et al. **Bull WHO** 52(2):209–22, 1975
Experimental study of the role of inactivated vaccine in two-step vaccination against smallpox. Marennikova SS, et al. **Bull WHO** 52(1):51–6, 1975
Oral immunization against smallpox. Hochstein-Mintzel V, et al. **Dev Biol Stand** 33:260–6, 1976
Some notes on smallpox eradication. Majid MA. **Indian J Public Health** 19(1):50–2, Jan–Mar 75
Smallpox and BCG vaccination in the newborn: follow up study. Desai AB, et al. **Indian Pediatr** 12(4):335–8, Apr 75
Editorial: Smallpox eradication. **Int J Epidemiol** 5(1):6–7, Mar 76
Surveillance of smallpox. Henderson DA. **Int J Epidemiol** 5(1):19–28, Mar 76
Experiments on terminal disinfection by formaldehyde vapor in the case of smallpox. Grossgebauer K, et al. **J Clin Microbiol** 2(6):516–9, Dec 75
Editorial: Operation smallpox. Mukerjee AB. **J Indian Med Assoc** 64(8):212, 16 Apr 75
Maxwell Finland Lecture. Smallpox: is the end in sight? Meiklejohn G. **J Infect Dis** 133(3):347–53, Mar 76
Editorial: Smallpox: point of no return. **Med J Aust** 1(14):433–4, 5 Apr 75
Editor;al: Smallpox – the final count down. **Med J Aust** 2(24):898, 13 Dec 75
Eradication smallpox: global. Bahl MR. **Med J Zambia** 9(6):175–6, Dec 75–Jan 76
Smallpox vaccination. Ironside AG. **Practitioner** 215(1287):294–8, Sep 75
Relevance of some poxvirus infections in monkeys to smallpox eradication. Gispen R. **Trans R Soc Trop Med Hyg** 69(3):299–302, 1975
Symposium on smallpox eradication. Smallpox eradication-a narrative account. Kaplan C. **Trans R Soc Trop Med Hyg** 69(3):293–8, 1975
Proceedings: Smallpox—point of no return. Vella EE, et al. **Trans R Soc Trop Med Hyg** 69(4):434, 1975
A successful campaign against smallpox. **Triangle** 14(2):69–70, 1975
The influence of smallpox revaccination upon the foetus. Teodorescu M, et al. **Virologie** 26(2):137–9, 1975
Smallpox eradication in 1975. **WHO Chron** 30(4):152–7, Apr 76
[Smallpox eradication in Bangladesh] **Ned Tijdschr Geneeskd** 119(49):1952–3, 6 Dec 75 **(Dut)**
[Letter: Smallpox R.I.P.] Klokke AH. **Ned Tijdschr Geneeskd** 120(5):215–6, 31 Jan 76 **(Dut)**
[Antimicrobial and anti-smallpox vaccinations] Geubelle F. **Rev Med Liege** 29(13):373–81, 1 Jul 74 **(Fre)**
[Requirements of ventilator installations in smallpox eradication centers] Zeise D. **Gesund Ing** 96(11):306–17, Nov 75 **(Ger)**
[Vaccination complications following smallpox and poliomyelitis vaccination and their significance for expert testimony] Seitz D. **Med Welt** 27(14):637–42, 2 Apr 76 **(Ger)**
[Compulsatory vaccination against smallpox in the German Federal Republic] Spiess H, et al. **Oeff Gesundheitswes** 37(9):577–9, Sep 75 **(Ger)**
[The situation of the compulsary vaccination against smallpox in the F.R. Germany (author's transl)] Stickl H. **Oeff Gesundheitswes** 37(9):582–4, Sep 75 (Eng. Abstr.) **(Ger)**
[Smallpox vaccination in a country district (author's transl] Martischnig E. **Paediatr Paedol** 11(1):94–9, 1976 (Eng. Abstr.) **(Ger)**
[Editorial: Eradicating variola?] Bøoe J. **Tidsskr Nor Laegeforen** 96(17–18):967–8, 20 Jun 76 **(Nor)**
[Our experiences with the 2-stage method of vaccination against smallpox (MVA virus pre-vaccination)] Rudkowski Z, et al. **Pediatr Pol** 51(5):497–503, May 76 (Eng. Abstr.) **(Pol)**
[Cytogenetic study of blood lymphocytes in children revaccinated against smallpox] Frolov AK, et al. **Genetika** 11(5):142–6, 1975 (Eng. Abstr.) **(Rus)**
[Cytogenetic study of blood lymphocytes in children revaccinated against smallpox] Frolov AK, et al. **Genetika** 11(5):142–6, 1975 (Eng. Abstr.) **(Rus)**
[Individual calendar of preventive vaccinations against smallpox] Lebedinskiĭ AP. **Pediatriia** (1):54–7, Jan 76 (Eng. Abstr.) **(Rus)**
[Characteristics of reactogenic action of a 2-stage method of vaccination against smallpox] Shul'ga LG, et al. **Pediatriia** (1):57–60, Jan 76 (Eng. Abstr.) **(Rus)**
[Duration of vaccination immunity to smallpox (epidemiological observation in Southeast Asia)] Vishniakov VE. **Tr Leningr Inst Epidemiol Mikrobiol** 42:163–8, 1973 **(Rus)**
[Vaccinoprophylaxis of smallpox under present conditions] Marennikova SS. **Vestn Akad Med Nauk SSSR** (4):33–7, 1975 (Eng. Abstr.) **(Rus)**
[WHO's program for the liquidation of smallpox (development, status, outlook)] Marennikova SS. **Vopr Virusol** (6):643–8, Nov–Dec 75 (8 ref.) **(Rus)**
[Results of observations on the state of immunity against smallpox in individual groups of the population of the Primorsk region] Karmanova EV. **Zh Mikrobiol Epidemiol Immunobiol** (12):123–4, Dec 75 **(Rus)**
[Use of the passive hemaglutination reactions for the determination of anti-smallpox antibodies in primary vaccination and revaccination against smallpox] Marennikova SS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):38–42, Feb 76 (Eng. Abstr.) **(Rus)**
[Results in the mass-vaccination of the population of the community Sombor against variola by the jet-method] Cvetić Lj, et al. **Med Pregl** 28(3–4):125–30, 1975 **(Ser)**

VETERINARY

[Use of electron microscopy for the rapid diagnosis of poxvirus diseases (smallpox) in swine] Šmíd B, et al. **Vet Med (Praha)** 20(4):239–43, Apr 75 (Eng. Abstr.) **(Cze)**
[Smallpox in white rats] Likhachev NV, et al. **Veterinariia** (3):61–2, Mar 76 **(Rus)**
[Results of examining wild monkeys for the presence of smallpox antibodies and smallpox group viruses] Marennikova SS, et al. **Vopr Virusol** (3):321–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

SMALLPOX VACCINE

Experimental study of the role of inactivated vaccine in two-step vaccination against smallpox. Marennikova SS, et al. **Bull WHO** 52(1):51–6, 1975
Basal-cell epithelioma occurring in a smallpox vaccination scar. Castrow FF, et al. **J Dermatol Surg** 2(2):151–2, May 76
A successful campaign against smallpox. **Triangle** 14(2):69–70, 1975
[Thoughts on the outline of a law on smallpox-vaccination and for a better numerus clausus for medical students] Stein HA. **Oeff Gesundheitswes** 37(7):405, Jul 75 **(Ger)**
[Diagnosis of smallpox and immunity by smallpox vaccine (author's transl)] Tgaya I. **Jpn J Clin Pathol** 23(7):489–95, Jul 75 **(Jpn)**
[Cytogenetic study of blood lymphocytes in children revaccinated against smallpox] Frolov AK, et al. **Genetika** 11(5):142–6, 1975 (Eng. Abstr.) **(Rus)**
[Cytogenetic study of blood lymphocytes in children revaccinated against smallpox] Frolov AK, et al. **Genetika** 11(5):142–6, 1975 (Eng. Abstr.) **(Rus)**
[Duration of vaccination immunity to smallpox (epidemiological observation in Southeast Asia)] Vishniakov VE. **Tr Leningr Inst Epidemiol Mikrobiol** 42:163–8, 1973 **(Rus)**
[Connection between the group factors of the blood systems ABO, MNSs, and rhesus and peculiarities of the vaccination process in children immunized against smallpox] Lebedinskiĭ AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):95–100, Dec 75 (Eng. Abstr.) **(Rus)**
[Use of the passive hemaglutination reactions for the determination of anti-smallpox antibodies in primary vaccination and revaccination against smallpox] Marennikova SS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):38–42, Feb 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Oral immunization against smallpox. Hochstein-Mintzel V, et al. **Dev Biol Stand** 33:260–6, 1976
Symposium on smallpox eradication. Smallpox eradication-a narrative account. Kaplan C. **Trans R Soc Trop Med Hyg** 69(3):293–8, 1975
[Results in the mass-vaccination of the population of the community Sombor against variola by the jet-method] Cvetić Lj, et al. **Med Pregl** 28(3–4):125–30, 1975 **(Ser)**

ADVERSE EFFECTS

Postvaccinial lymphadenitis developing into Hodgkin's disease. Bichel J. **Acta Med Scand** 199(6):523–5, 1976
Effect of smallpox vaccination on the product of conception. Mihăilescu R, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):67–74, Jan–Jun 75
Vaccinia virus variants as presumable cause of vaccinial complications. Ehrengut W, et al. **Arch Virol** 48(3):229–38,

1975
Accidental vaccinia infection – a case report. Lam KL, et al. **Med J Malaysia** 30(3):227–30, Mar 75
The influence of smallpox revaccination upon the foetus. Teodorescu M, et al. **Virologie** 26(2):137–9, 1975
[Letter: Lepromatous leprosy. Unknown contra-indication of antivariolar vaccination] Bastin R, et al. **Nouv Presse Med** 5(17):1143–4, 24 Apr 76 **(Fre)**
[Smallpox vaccination and its cutaneous complications] Geiser JD. **Rev Med Suisse Romande** 95(11):831–8, Nov 75 **(Fre)**
[Manifestation of diabetes after smallpox vaccination] Schneider H. **Kinderaerztl Prax** 43(3):101–7, Mar 75 **(Ger)**
[Complications after smallpox vaccination] Tulzer VW, et al. **Wien Med Wochenschr** 125(25–27):424–7, 20 Jun 75 **(Ger)**
[Incidence and clinical course of vaccination complications] Dietzsch HJ, et al. **Z Aerztl Fortbild (Jena)** 69(10):550–4, 15 May 75 **(Ger)**
[Unusual reaction in an adult after revaccination against smallpox] Barghini G. **Ann Sclavo** 17(5):704–5, SEP–OCT 75 (Eng. Abstr.) **(Ita)**
[Antivariola vaccination. Technics for the mitigation of local and general reactions. Practical experience] Pazienza AM. **Ann Sclavo** 17(5):706–16, SEP–OCT 75 (Eng. Abstr.) **(Ita)**
[Neuraxitis due to accidental inoculation of a massive subcutaneous dose of smallpox vaccine in a subject vaccinated and revaccinated against smallpox. Treatment and recovery with antivaccinal hyperimmune immunoglobulins and methisazone] Bertaggia A. **Minerva Pediatr** 27(29):1586–91, 22 Sep 75 (Eng. Abstr.) **(Ita)**
[Recent cases of complications of smallpox vaccination in Miyagi Prefecture (author's transl)] Tsunoda A. **Jpn J Clin Pathol** 23(7):496–9, Jul 75 **(Jpn)**
[A supplement of the neuropathology of the acute encephalopathies in childhood, especially about the relation of acute toxic encephalopathy and Ekiri, Ekiri-like syndrome. II. The neuropathology of the postvaccinal encephalopathy (author's transl)] Ogawa T. **Psychiatr Neurol Jpn** 78(5):383–401, 1976 (Eng. Abstr.) **(Jpn)**
[Neurological complications after immunization of children against smallpox] Braginskaia VP, et al. **Pediatriia** (1):39, Jan 74 **(Rus)**
[Prevention of post-vaccination complications after primary smallpox vaccination of older children] Lakotkina EA, et al. **Pediatriia** (1):61–4, Jan 76 (Eng. Abstr.) **(Rus)**
[Frequency of acrocentric chromosomal associations in children immunized with smallpox vaccine] Frolov AK, et al. **Tsitologiia** 17(10):1177–83, Oct 75 (Eng. Abstr.) **(Rus)**
[Microprecipitation reaction on agar as a rapid method of diagnosis of cutaneous complications following smallpox vaccination] Beliaev NV. **Vestn Dermatol Venerol** (11):69–72, Nov 75 (Eng. Abstr.) **(Rus)**
[Ulcerative vaccinia—a forgotten form of complication following smallpox vaccination] Beliaev NV. **Vestn Dermatol Venerol** (2):63–8, Feb 76 (Eng. Abstr.) **(Rus)**
[Etiology and pathogenesis of complications developing after smallpox vaccination] Romanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):136–7, Feb 76 **(Rus)**
[Some reaction phenomena in people vaccinated against smallpox] Terzin AL, et al. **Glas Srp Akad Nauka [Med]** (26):1–4, 1975 **(Ser)**
[Most frequent post-Jenner complications and their treatment] Trajkov I, et al. **God Zb Med Fak Skopje** 17:241–50, 1971 **(Ser)**
[Encephalitis after smallpox vaccination] Trajkov N, et al. **God Zb Med Fak Skopje** 17:469–75, 1971 **(Ser)**
[Methisazone (Marboran) in the treatment of a generalized reaction to antivaciola vaccine] Cofre J. **Rev Chil Pediatr** 46(1):54–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

HISTORY

A historical note on the Reverend John Clinch, first Canadian vaccinator. Davies JW. **Can Med Assoc J** 102(9):957–61, 9 May 70
Immunization against smallpox before Jenner. Langer WL. **Sci Am** 234(1):112–7, Jan 76
[Smallpox vaccination in Great Britain—past and present] Semple B. **Oeff Gesundheitswes** 37(9):572–7, Sep 75 **(Ger)**

PHARMACODYNAMICS

[Relationship of the frequency of acrocentric chromosome associations and the immune response in children primarily vaccinated against smallpox] Frolov AK. **Tsitol Genet** 9(5):391–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the kinetics of smallpox vaccine interaction with alveolar macrophages when administered intratracheally] Osipov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):17–9, Jun 76 (Eng. Abstr.) **(Rus)**

STANDARDS

Proposal for using tissue culture for the potency test of smallpox vaccine. Santoro R, et al. **J Biol Stand** 4(2):101–5, Apr 76

SUPPLY & DISTRIBUTION

[Coordinated vaccination policy in Scandinavia. Common storage of vaccine for smallpox?] **Nord Med** 91(6–7–1):200, Jun 76 **(Swe)**

THERAPEUTIC USE

[Experiences with the prevention of various recurrent herpetic diseases using the smallpox vaccine] Vlasák J, et al. **Cesk Dermatol** 50(5):295–8, Oct 75 (Eng. Abstr.) **(Cze)**
[The present-day situation in smallpox vaccination] Stickl H. **Med Klin** 70(47):1893–8, 21 Nov 75 **(Ger)**
[Vaccinoprophylaxis of smallpox under present conditions] Marennikova SS. **Vestn Akad Med Nauk SSSR** (4):33–7, 1975 (Eng. Abstr.) **(Rus)**

SMALLPOX VIRUS

Duration of virus excretion in the throat of asymptomatic household contacts of smallpox patients. Sarkar JK, et al. **Indian J Med Res** 62(12):1800–3, Dec 74

GROWTH & DEVELOPMENT

Studies on the effect of inactivated viruses on the growth of poxvirus variolae. II. The effect of some viruses varying in heat-inactivation degree. Dąbrowski J. **Bull Inst Marit Trop Med Gdynia** 26(1):65–79, 1975

IMMUNOLOGY

Epidemiological implications of the typing of variola isolates. Dumbell KR, et al. **Trans R Soc Trop Med Hyg** 69(3):303–6, 1975

ISOLATION & PURIFICATION

Serial isolation of variola virus in the throat of household contacts of smallpox cases. Sarkar JK, et al. **Bull Calcutta Sch Trop Med** 21(2):21–2, Apr 73

PHYSIOLOGY

[Adaptation and cultivation of the Perego strain of ovine smallpox virus in tissue culture and an evaluation of its immunogenic properties] Mateva V, et al. **Vet Med Nauki** 12(10):18–23, 1975 (Eng. Abstr.) **(Bul)**

SMEGMA

[Smegma praeputii as a cancerogenous factor] Stambolović B. **Srp Arh Celok Lek** 102(12):913–5, Dec 74 **(Ser)**

SMELL

see related
ANOSMIA
ODORS

Defects of taste and smell in patients with hypothyroidism. McConnell RJ, et al. **Am J Med** 59(3):354–64, Sep 75
Discrimination between individuals by scent in Lemur fulvus. Harrington JE. **Anim Behav** 24(1):207–12, Feb 76
Correlated odour threshold bimodality of two out of three synthetic musks. Kalmus H, et al. **Ann Hum Genet** 38(4):495–9, May 75
Social olfaction: a review of the ontogeny of olfactory influences on vertebrate behavior. Cheal M. **Behav Biol** 15(1):1–25, Sep 75 (127 ref.)
Molecular coding of olfactory specificity. Wright RH, et al. **Can J Zool** 53(9):1247–53, Sep 75
Olfaction in the development of social preferences in the human neonate. Macfarlane A. **Ciba Found Symp** (33):103–17, 1975
Effects of pH on the olfactory responses to amino acids in rainbow trout, Salmo gairdneri. Hara TJ. **Comp Biochem Physiol [A]** 54(1):37–9, 1976
Structure-activity relationships of amino acids in fish olfaction. Hara TJ. **Comp Biochem Physiol [A]** 54(1):31–6, 1976
Olfactory responses to skin mucous substances in rainbow trout Salmo gairdneri. Hara TJ, et al. **Comp Biochem Physiol [A]** 54(1):41–4, 1976
Spectral analysis of olfactory responses to amino acids in rainbow trout, Salmo gairdneri. Satou M, et al. **Comp Biochem Physiol [A]** 52(2):359–65, 1 Oct 75
Aggressive behavior of juvenile mice: influence of androgen and olfactory stimuli. Svare B, et al. **Dev Psychobiol** 8(5):405–15, Sep 75
Olfaction in multiple sclerosis. With a note on the discrepancy between optic and olfactory involvement. Ansari KA. **Eur Neurol** 14(2):138–45, 1976
Olfactory and visual cues in social interactions of Lemur catta. Mertil AS. **Folia Primatol (Basel)** 26(2):151–61, 1976
A formalism on selective molecular interactions. pp. 275–8. Kafka WA.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.
Sensory transduction in insect olfactory receptors. pp. 243–73. Kaissling KE.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. (52 ref.)
Olfactory discrimination, reversal learning, and stimulus control in rats. Nigrosh BJ, et al. **J Comp Physiol Psychol** 89(4):285–94, Jun 75
Response of the adult screwworm (Diptera: Calliphoridae) to bacteria-inoculated and incubated bovine blood in olfactometer and oviposition tests. Eddy GW, et al. **J Med Entomol** 12(3):379–81, 25 Sep 75
Proceedings: The visual acuity of the cat. Franklin KB, et al. **J Physiol (Lond)** 252(2):49P–50P, Nov 75
Proceedings: Areas responsive to olfactory stimulation in the frontal orbital cortex of the cat. Motogisawa F. **J Physiol Soc Jpn** 36(8–9):312, 1 Sep 74
Psychophysical scaling of olfactory, visual, and auditory stimuli by alchoholic Korsakoff patients. Jones BP, et al. **Neuropsychologia** 13(4):387–93, Oct 75
Olfactory, auditory, and gustatory function in patients with bonadal dysgenesis. Valkov IM, et al. **Obstet Gynecol** 46(4):417–8, Oct 75
Spatial patterning of response to odors in the peripheral olfactory system. Moulton DG. **Physiol Rev** 56(3):578–93, Jul 76 (53 ref.)
Attraction of the oriental fruit fly, Dacus dorsalis, to methyl eugenol and related olfactory stimulants. Metcalf RL, et al. **Proc Natl Acad Sci USA** 72(7):2501–5, Jul 75
Recent advances in the pathology of olfaction. Douek E, et al. **Proc R Soc Med** 68(8):467–70, Aug 75
Disturbance in the sense of smell in psychiatric patients. Pryse-Phillips W. **Proc R Soc Med** 68(8):472–4, Aug 75
Factors influencing intranasal trigeminal detection of chemical vapors by humans. Doty RL, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):261–2, Mar–Apr 76
[Functional investigation of the sense of smell and its role in the diagnosis of sense of smell disorders] Uziel A, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):475–90, Sep 75 (Eng. Abstr.) **(Fre)**
[Effects of the removal of smell, without lesions of the olfactory bulb, on the selectivity of maternal behavior of the ewe] Poindron P. **C R Acad Sci [D] (Paris)** 282(5):489–91, 2 Feb 76 **(Fre)**
[The role of olfactory-gustatory perception in the dietary intake of man] pp. 27–9. Duclaux R, et al.
In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974. **(Fre)**
[Taste and smell. A surprising exploration] Veylon R. **Nouv Presse Med** 3(41–43):2584–9, 30 Nov–14 Dec 74 **(Fre)**
[Olfactory irritation due to air pollution (author's transl)] Winneke G, et al. **Prax Pneumol** 29(7):393–9, Jul 75 (Eng. Abstr.) **(Ger)**
[Significance of olfaction in the feeding behavior of toads (Amphibia, Anura, Bufonidae): studies with the natterjack (Bufo calamita Laur.)] Hemmer H, et al. **Z Tierpsychol** (39):173–7, 1975 (Eng. Abstr.) **(Ger)**
[Zinc and olfactory acuity in epileptic patients. Preliminary note] Filla A, et al. **Acta Neurol (Napoli)** 30(6):563–8, Nov–Dec 75 (Eng. Abstr.) **(Ita)**
[Proceedings: Single unit responses of the olfactory mucosa to double stimuli in toads] Iijima M. **J Physiol Soc Jpn** 36(8–9):311, 1 Sep 74 **(Jpn)**
[Proceedings: Inhibition of the response of the mitral cells to smell] Shibuya T, et al. **J Physiol Soc Jpn** 36(8–9):311–2, 1 Sep 74 **(Jpn)**
[Proceedings: Mode of response of a single cell to smell in the frontal lobe, piriform lobe, amygdaloid body, and olfactory bulb of the monkey] Tanabe A, et al. **J Physiol Soc Jpn** 36(8–9):312–3, 1 Sep 74 **(Jpn)**
[Proceedings: Vibration potentials of the olfactory cord and bulb of the carp] Ueda K, et al. **J Physiol Soc Jpn** 36(8–9):312, 1 Sep 74 **(Jpn)**
[Age factors in the study of the olfactory function] Ostapkovich VE, et al. **Vestn Otorinolaringol** (1):60–2, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Treatment with pyrogenol of perceptive disorders of olfaction] Kitsera AE. **Zh Ushn Nos Gorl Bolezn** (6):22–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Smell threshold and reflex effect on the body of low concentrations of selenium and tellurium dioxides in the air] Iakhimovich NP. **Gig Sanit** (2):101–2, Feb 75 **(Rus)**

PHYSIOLOGY

Hydrogen cyanide smell sensitivity in some Indian populations. Vijayalaxmi C, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):169–71, 1975
Location by odour and turn selection as two stages in the spontaneous alternation of rats. Still AW, et al. **Anim Behav** 23(2):447–9, May 75
Chemoreception in Aplysia californica. I. Behavioral localization of distance chemoreceptors used in food-finding. Audesirk TE. **Behav Biol** 15(1):45–55, Sep 75
Olfactory bulbectomy, peripheral anosmia, and mouse killing and eating by rats. Hull EM, et al. **Behav Biol** 14(4):481–8, Aug 75
The effects of exposure to conspecific urine on urine-marking in male and female degus (Octodon degus). Kleiman DG. **Behav Biol** 14(4):519–26, Aug 75
Discrimination of individuals by scent in a primate. Mertl AS. **Behav Biol** 14(4):505–9, Aug 75
A primacy effect for olfactory imprinting in spiny mice (Acomys cahirinus. Porter RH, et al. **Behav Biol**

15(4):511–7, Dec 75

Olfactory mimicry involving garter snakes and artificial models and mimics. Czaplicki JA, et al. **Behaviour** 54(1–2):60–71, 1975

Slow potentials of the turtle olfactory bulb in response to odor stimulation of the nose. Beuerman RW. **Brain Res** 97(1):61–78, 24 Oct 75

Effects of olfactory deprivation on postnatal growth of the rat olfactory bulb utilizing a new method for production of neonatal unilateral anosmia. Meisami E. **Brain Res** 107(2):437–44, 7 May 76

Local sites of activity-related glucose metabolism in rat olfactory bulb during olfactory stimulation. Sharp FR, et al. **Brain Res** 98(3):596–600, 21 Nov 75

Spontaneous activity of single neurons in the olfactory bulb of the rainbow trout (Salmo gairdneri) and its modulation by olfactory stimulation with amino acids. MacLeod NK. **Exp Brain Res** 25(3):267–78, 18 Jun 76

Laboratory observations of trailing behavior in garter snakes. Kubie J, et al. **J Comp Physiol Psychol** 89(7):667–74, Sep 75

Olfactory basis for the delayed onset of maternal behavior in virgin female rats: experimential effects. Mayer AD, et al. **J Comp Physiol Psychol** 89(7):701–10, Sep 75

Response of Nitella internodal cell to chemical stimulation. A model for olfactory receptor system. Ueda T, et al. **J Membr Biol** 25(3–4):271–84, 1975–76

An olfactory projection area in orbitofrontal cortex of the monkey. Tanabe T, et al. **J Neurophysiol** 38(5):1269–83, Sep 75

Discrimination of odors in olfactory bulb, pyriform–amygdaloid areas, and orbitofrontal cortex of the monkey. Tanabe T, et al. **J Neurophysiol** 38(5):1284–96, Sep 75

Changes of sensory value by interaction of alkanals with amino acids and proteins. Pokorný J, et al. **Nahrung** 20(3):267–72, 1976

Human olfactory communication. Russell MJ. **Nature** 260(5551):520–2, 8 Apr 76

Olfactory orientation in frogs. Müller K, et al. **Naturwissenschaften** 63(1):49–50, Jan 76

Role of the tongue and senses in feeding of naive and experienced garter snakes. Burghardt GM, et al. **Physiol Behav** 14(2):185–94, Feb 75

Intranasal trigeminal detection of chemical vapors by humans. Doty RL. **Physiol Behav** 14(6):855–9, Jun 75

Development of olfactory-guided behavior in the golden hamster. Gregory EH, et al. **Physiol Behav** 15(3):373–6, Sep 75

Ability of the pig to distinguish between conspecific urine samples using olfaction. Meese GB, et al. **Physiol Behav** 15(1):121–5, Jul 75

Faster acquisition of an olfactory discrimination following septal lesions in male albino rats. Vom Saal FS, et al. **Physiol Behav** 14(6):697–703, Jun 75

Control of the rat's sniffing behavior by response-independent and dependent schedules of reinforcing brain stimulation. Waranch HR, et al. **Physiol Behav** 15(3):365–72, Sep 75

[A study on olfaction of the laryngectomized patients by the artificial airway tube method (author's transl)] Miyoshi Y, et al. **J Otolaryngol Jpn** 78(11):1184–92, 20 Nov 75 (Eng. Abstr.) **(Jpn)**

[The clinical studies on the olfactory test using standard odorous substances. The change of olfactory acuity due to ageing (author's transl)] Shiokawa H. **J Otolaryngol Jpn** 78(12):1258–70, 20 Dec 75 (Eng. Abstr.) **(Jpn)**

[Effect of odor on the human body. New development of human olfactmeter and changes in physiological functions due to odor exposure (author's transl)] Saito K, et al. **Jpn J Hyg** 30(2):289–95, Jun 75 (Eng. Abstr.) **(Jpn)**

[Mechanism of the primary process of smell. Study of the interaction of some dyes and preparations of the olfactory receptors of frogs] Korolev AM. **Biol Nauki** (8):23–9, 1975 **(Rus)**

[Electrophysiological olfactory reaction of the codling moth Laspeyresia pomonella L. as a possible express method of determining insecticide toxicity and content] Pristavko VP, et al. **Dokl Akad Nauk SSSR** 228(4):999–1000, 1976 **(Rus)**

RADIATION EFFECTS

[Radiogenic disorder in sense of smell (author's transl)] Schaupp H, et al. **Laryngol Rhinol Otol (Stuttg)** 54(4):340–3, Apr 75 (Eng. Abstr.) **(Ger)**

SMILING see under FACIAL EXPRESSION

SMOG

The oxides of nitrogen with respect to urban smog, supersonic transports, and global methane pp. 1299–313. Johnston HS, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Some empirical models for the Los Angeles photochemical smog data. Tiao GC, et al. **J Air Pollut Control Assoc** 26(5):485–90, May 76

A Lagrangian model of the Los Angeles smog aerosol. White WH, et al. **J Air Pollut Control Assoc** 26(1):32–5, Jan 76

Carcinogenic and cocarcinogenic effects of inhaled synthetic smog and ferric oxide particles. Nettesheim P, et al. **J Natl Cancer Inst** 55(1):159–69, Jul 75

Pulmonary responses of rats to ambient levels of ozone: effects of 7-day intermittent or continuous exposure. Schwartz LW, et al. **Lab Invest** 34(6):565–78, Jun 76

Editorial: Ozone in smog. **Lancet** 2(7944):1077–8, 29 Nov 75

[The social role of 'psychogenic theory' in the so-called photochemical smog damage incidents (author's transl)] Kumakura N. **Psychiatr Neurol Jpn** 77(6):475–88, 25 Jun 75 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Photochemical smog and its damage] Nakajima Y. **J Otolaryngol Jpn** 78(10):1097–104, 20 Oct 75 **(Jpn)**

SMOKE

Chronic inhalation of nickel oxide and cigarette smoke by hamsters. Wehner AP, et al. **Am Ind Hyg Assoc J** 36(11):801–10, Nov 75

Pulmonary function studies after smoke inhalation. Petroff PA, et al. **Am J Surg** 132(3):346–51, Sep 76

Corticosteroid treatment of experimental smoke inhalation. Dressler DP, et al. **Ann Surg** 183(1):46–52, Jan 76

The pathophysiology of smoke inhalation injury. Stephenson SF, et al. **Ann Surg** 182(5):652–60, Nov 75

Respiratory tract deposition of smoke particles using a nasal bypass device. Oak Ridge National Laboratory, Oak Ridge, Tenn.. **Arch Environ Health** 31(3):131–5, May–Jun 76

Acute management of the upper airway in facial burns and smoke inhalation. Barlett RH, et al. **Arch Surg** 111(7):744–9, Jul 76

Smoke toxicity of common aircraft carpets. Dressler DP, et al. **Aviat Space Environ Med** 46(9):1141–3, Sep 75

Airway obstruction following smoke inhalation. Pietak SP, et al. **Can Med Assoc J** 115(4):329–31, 21 Aug 76

Physiological and toxicological aspects of smoke produced during the combustion of polymeric materials. Einhorn IN. **Environ Health Perspect** 11:163–89, Jun 75

Particle sizing of arc smokes by forward light scattering. Chan PW, et al. **Environ Lett** 10(1):69–76, 1975

Changes in forced expiratory flow due to air pollution from fireworks. Preliminary report. Smith RM, et al. **Environ Res** 9(3):321–31, Jun 75

Firecracker smoke is not an allergen. Lehman CW. **Hawaii Med J** 35(6):165–6, Jun 76

Polyvinyl chloride toxicity in fires. Hydrogen chloride toxicity in fire fighters. Dyer RF, et al. **JAMA** 235(4):393–7, 26 Jan 76

Rapid estimation of carboxyhemoglobin level in fire fighters. Stewart RD, et al. **JAMA** 235(4):390–2, 26 Jan 76

Casualties attributed to toxic gas and smoke at fires: a survey of statistics. Bowes PC. **Med Sci Law** 16(2):104–10, Apr 76

Letter: Radiation from smoke detectors. Goodman J. **N Engl J Med** 294(8):448, 19 Feb 76

Letter: Radiation from smoke detectors. Steinfeld AD, et al. **N Engl J Med** 293(24):1268, 11 Dec 75

Carcinogen and smoke induced early alterations in the Syrian golden hamster respiratory epithelium as revealed by electron microscopy. Mohr U, et al. **Osterr Z Onkol** 2(2–3):68–72, 1975 (Eng. Abstr.)

The effect of tobacco smoke and some of its constitutents on triglyceride secretion in the squirrel monkey. Turner DM, et al. **Res Commun Chem Pathol Pharmacol** 12(1):85–100, Sep 75

Role of pulmonary infection in the pathogenesis of smoke inhalation. Esrig BC, et al. **Surg Forum** 26:204–6, 1975

Effects of tobacco and tobacco smoke constituents on cell multiplication in vitro. Pilotti A, et al. **Toxicology** 5(1):49–62, Sep 75

Inhalation injury in burn patients. **West J Med** 124(3):244–8, Mar 76

[Measurement and recording of pollutants, waste gas quantities, and temperatures in industrial smokestacks] Köhler K. **Gesund Ing** 96(10):264–72, Oct 75 **(Ger)**

[Gas smoke for work with bees] Danielian SG, et al. **Veterinariia** (8):68, Aug 75 **(Rus)**

[Effects of the ashes of the Irazu volcano (Costa Rica) on various insects] Wille A, et al. **Rev Biol Trop** 23(2):165–75, Dec 75 **(Spa)**

ANALYSIS

Preparation and monitoring of marijuana smoke condensate samples. Patel AR, et al. **Bull Narc** 27(3):47–54, Jul–Sep 75

Determination of carcinogens in tobacco smoke and coal-derived samples—trace polynuclear aromatic hydrocarbons. pp. 281–9. Kubota H, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Total body radioautography of hamsters exposed to 14C-labeled cigarette smoke. Kmoch N, et al. **Int J Nucl Med Biol** 2(4):188–90, Oct 75

Mouse dermal study of smoke condensate from 'Chemosol'-treated cigarettes. Gargus JL, et al. **Toxicol Appl Pharmacol** 33(3):568–74, Sep 75

[Attempts of the demonstration of Cannabis-contents in exhaled air] Hauck G, et al. **Beitr Gerichtl Med** 32:221–6, 1974 (Eng. Abstr.) **(Ger)**

[Influence of high smokestacks on the quality of air] Flemming G. **Z Gesamte Hyg** 21(1):24–6, Jan 75 (Eng. Abstr.) **(Ger)**

SMOKING

Risk factors in peripheral arterial disease. An out-patient pilot study at the Department of Surgery in Malmö. Janzon L. **Acta Chir Scand** 141(7):596–9, 1975

Relationship between type of tobacco used and localization of tumour in patients with gastric cancer. Zacho A, et al. **Acta Chir Scand** 141(7):676–9, 1975

Stimulus intensity modulation, smoking, and craving for cigarettes. Barnes GE, et al. **Addict Dis** 2(3):479–84, 1976

Smoking and carbon monoxide uptake as a risk factor in atherosclerotic cardiovascular disease. Kjeldsen K. **Adv Exp Med Biol** 63:317–21, 1975

The effects of smoking on myocardial conduction in the human heart. Bekheit S, et al. **Am Heart J** 91(6):712–20, Jun 76

Of smoking and the respiratory tract. Burch GE. **Am Heart J** 91(3):401–2, Mar 76

Occupational aspects of passive smoking. Cuddeback JE, et al. **Am Ind Hyg Assoc J** 37(5):263–7, May 76

Letter: Mail survey response by smoking status. Kahn HA. **Am J Epidemiol** 102(3):264–5, Sep 75

Maternal smoking and fetal breathing movements. Gennser G, et al. **Am J Obstet Gynecol** 123(8):861–7, 15 Dec 75

Abnormal adolescent primiparous pregnancy: association of race, human chorionic somatomammotropin production, and smoking. Hollingsworth DR, et al. **Am J Obstet Gynecol** 126(2):230–7, 15Sep 76

Irritating effects on man of air pollution due to cigarette smoke. Weber A, et al. **Am J Public Health** 66(7):672–6, Jul 76

Relationship of constitutional factors and cigarette smoking to decrease in 1-second forced expiratory volume. Barter CE, et al. **Am Rev Respir Dis** 113(3):305–14, Mar 76

Sensitivity of volume of isoflow in the detection of mild airway obstruction. Gelb AF, et al. **Am Rev Respir Dis** 112(3):401–5, Sep 75

Cigar inhaling. Goldman AL. **Am Rev Respir Dis** 113(1):87–9, Jan 76

The effect of acute, intensive cigarette smoking on maximal expiratory flows and the single-breath nitrogen washout trace. McCarthy DS, et al. **Am Rev Respir Dis** 113(3):301–4, Mar 76

Classification of bronchial lymphocytes from nonsmokers and smokers. Warr GA, et al. **Am Rev Respir Dis** 113(1):96–100, Jan 76

Heart cutting technique in high resolution gas chromatography applied to sulfur compounds in cigarette smoke. Bertsch W, et al. **Anal Chem** 48(6):928–31, May 76

Chromatographic determination of vinyl chloride in tobacco smoke. Hoffmann D, et al. **Anal Chem** 48(1):47–50, Jan 76

Gas chromatography/mass spectrometric and nuclear magnetic resonance spectrometric studies of carcinogenic polynuclear aromatic hydrocarbons in tobacco and marijuana smoke condensates. Lee ML, et al. **Anal Chem** 48(2):405–16, Feb 76

Formation and determination of naphthalenes in cigarette smoke. Schmeltz I, et al. **Anal Chem** 48(4):645–50, Apr 76

High-pressure liquid chromatography of polynuclear aromatic hydrocarbons of cigarette smoke condensate. Haeberer AF, et al. **Anal Chim Acta** 80(2):303–9, Dec 75

A rapid gas–chromatographic method for the determination of acetaldehyde in the vapour phase of cigarette smoke. Evans DJ, et al. **Analyst** 100(1193):540–3, Aug 75

Letter: Smoking and disease. **Ann Intern Med** 83(4):572–3, Oct 75

Vitamin C and cigarette smokers. Pelletier O. **Ann NY Acad Sci** 258:156–68, 30 Sep 75

Oral inhalation system for exposing rabbits to cigarette smoke. Diamond L, et al. **Arch Environ Health** 30(9):472–4, Sep 75

Respiratory tract deposition of smoke particles using a nasal bypass device. Oak Ridge National Laboratory, Oak Ridge, Tenn.. **Arch Environ Health** 31(3):131–5, May–Jun 76

The role of carbon monoxide in cigarette smoking. I. Carbon monoxide yield from cigarettes. Robinson JC, et al. **Arch Environ Health** 30(9):425–34, Sep 75

Increased life span and decreased weight in hamsters exposed to cigarette smoke. Wehner AP, et al. **Arch Environ Health** 31(3):146–53, May–Jun 76

Comparative studies concerning the suitability of European hamsters and Syrian golden hamsters for investigations on smoke exposure. Reznik G, et al. **Arzneim Forsch** 25(6):923–6, Jun 75

Individual cigarette usage: self-reported data as a function of respondent-reported data. McMahan CA, et al. **Atherosclerosis** 23(3):477–88, May–Jun 76

Automated rodent respiratory monitor and histogram computer- a preliminary report. Decker JR, et al. **Biomed Sci Instrum** 12:7–13, 3–5 May 76

Response of rat lung to inhaled vapour phase constituents (VP) of tobacco smoke alone or in conjunction with smoke condensate or fractions of smoke condensate given by intratracheal instillation. Davis BR, et al. **Br J Cancer** 31(4):462–8, Apr 75

Response of rat lung to tobacco smoke condensate or fractions derived from it administered repeatedly by intratracheal instillation. Davis BR, et al. **Br J Cancer** 31(4):453–61, Apr 75

Response of rat lung to inhaled tobacco smoke with or without prior exposure to 3,4-benzpyrene (BP) given by

intratracheal instillation. Davis BR, et al. **Br J Cancer** 31(4):469–84, Apr 75

The growth of transplanted tumours in mice after chronic inhalation of fresh cigarette smoke. Thomas WR, et al. **Br J Cancer** 30(5):459–62, Nov 74

DNA content of culturcd mammalian cells exposed to smoke and smoke fractions from cigarettes containing tobacco or NSM, a tobacco substitute. Styles JA. **Br J Exp Pathol** 57(3):281–95, Jun 76

Blood carbon monoxide levels as a function of daily cigarette consumption and physical activity. Hawkins LH. **Br J Ind Med** 33(2):123–5, May 76

Smoking, human placental lactogen and birth weight. Boyce A, et al. **Br J Obstet Gynaecol** 82(12):964–7, Dec 75

Cigarette smoking and fetal breathing movements. Manning FA, et al. **Br J Obstet Gynaecol** 83(4):262–70, Apr 76

Primary schoolboys: image of self and smoker. Bland JM, et al. **Br J Prev Soc Med** 29(4):262–6, Dec 75

Personality scores and smoking behaviour. A longitudinal study. Cherry N, et al. **Br J Prev Soc Med** 30(2):123–31, Jun 76

Extraversion, neuroticism and cigarette smoking. Rae G. **Br J Soc Clin Psychol** 14(4):429–30, Nov 75

Letter: Carbon monoxide yield of cigarettes. **Br Med J** 3(5981):487, 23 Aug 75

Editorial: Smoking in the elderly. **Br Med J** 4(5997):607, 13 Dec 75

Editorial: Segregated smokers. **Br Med J** 1(6004):244–5, 31 Jan 76

Letter: Segregated smokers. **Br Med J** 1(6006):398, 14 Feb 76

Editorial: The apartheid screw. **Br Med J** 1(6014):859, 10 Apr 76

Letter: Nicotine, tobacco substitutes, and smoking habits. **Br Med J** 2(6032):419–20, 14 Aug 76

Absorption and metabolism of nicotine from cigarettes. Armitage AK, et al. **Br Med J** 4(5992):313–6, 8 Nov 75

Letter: Effect of smoking on carboxyhaemoglovin level in pregnancy. Ashton H. **Br Med J** 1(6000):42–3, 3 Jan 76

Letter: Cigarette smoking and chest pain. Bennet JR. **Br Med J** 1(6001):97, 10 Jan 76

Enhanced drug metabolism in cigarette smokers. Hart P, et al. **Br Med J** 2(6028):147–9, 17 Jul 76

Letter: Anaemia, smoking, and pregnancy. Payne RW. **Br Med J** 4(5995):521, 29 Nov 75

Letter: Nicotine, tobacco substitutes, and smoking habits. Rawbone RG. **Br Med J** 2(6028):177, 17 Jul 76

Letter: Tar, nicotine, and CO yields of cigarettes. Russel MA. **Br Med J** 3(5982):540, 30 Aug 75

Letter: Smoking tables for carbon monoxide. Russell MA. **Br Med J** 1(6013):832–3, 3 Apr 76

Plasma nicotine levels after cigarette smoking and chewing nicotine gum. Russell MA, et al. **Br Med J** 1(6017):1043–6, 1 May 76

Low-tar medium-nicotine cigarettes: a new approach to safer smoking. Russell MA. **Br Med J** 1(6023):1430–3, 12 Jun 76

Letter: Smoking in the elderly. Thompson MK. **Br Med J** 1(6001):95, 10 Jan 76

Smoking tables for carbon monoxide? Wald NJ, et al. **Br Med J** 1(6007):434–5, 21 Feb 76

Letter: Classification of cigarettes. Wyatt T. **Br Med J** 2(6032):420, 14 Aug 76

Perception of beneficial health behaviour: smoking and exercise. Mackie M. **Can J Public Health** 66(6):481–7, Nov-Dec 75

Letter: Smoking restrictions in hospitals. Bennett JS. **Can Med Assoc J** 115(6):497, 18 Sep 76

Letter: Smoking restrictions in hospitals. Paris R. **Can Med Assoc J** 115(1):17, 3 Jul 76

Humoral immunity to herpes simplex viral-induced antigens in smokers. Smith HG, et al. **Cancer** 38(3):1155–62, Sep 76

Painless ST-segment depression in patients with angina pectoris. Correlation with daily activities and cigarette smoking. Allen RD, et al. **Chest** 69(4):467–73, Apr 76

Letter: Smoking, carboxyhemoglobin levels, and oxygen therapy. Goldman AL. **Chest** 69(4):570, Apr 76

Respiratory symptoms related to smoking habits of family adults. Lebowitz MD, et al. **Chest** 69(1):48–50, Jan 76

Letter: Umbilical arteries in smoking and nonsmoking mothers. Caro CG. **Circ Res** 37(4):521, Oct 75

In vitro lymphocyte reactivity and T-cell levels in chronic cigarette smokers. Silverman NA, et al. **Clin Exp Immunol** 22(2):285–92, Nov 75

Effect of smoking on theophylline disposition. Hunt SN, et al. **Clin Pharmacol Ther** 19(5 Pt 1):546–51, May 76

Antipyrine metabolism in man: influence of age, alcohol, caffeine, and smoking. Vestal RE, et al. **Clin Pharmacol Ther** 18(4):425–32, Oct 75

Smoking, government and the environment. Richards ND. **Community Health (Bristol)** 6(5):262–6, Mar-Apr 75

The influence of tobacco smoke on indoor atmosphere. Schmeltz I, et al. **Conn Med** 39(7):440, Jul 75

Short term abstinence from smoking: its place in preoperative preparation. Chodoff P, et al. **Crit Care Med** 3(4):131–3, Jul-Aug 75

Smoking and the law. Rozovsky LE. **Dimens Health Serv** 52(10):58–60, Oct 75

Gas chromatographic determination of neuphytadiene as a measure of the terpenoid contribution to experimental tobacco smoke carcinogenesis. Guerin MR, et al. **Environ Lett** 10(3):265–73, 1975

Changes in collagen with age--VI. Age and smoking related changes in human lung connective tissue. Rickert WS, et al. **Exp Gerontol** 11(3-4):89–101, 1976

Effectiveness of retaining beta radioactive substances by cigarette filters from the acetate type. Atmadzov P, et al. **Folia Med (Plovdiv)** 17(1):29–32, 1975

Success story: the program against major cardiovascular risk factors. Walker WJ. **Geriatrics** 31(3):97–100, 104, Mar 76

A comparative study of the effect of oral contraceptives and cigarette smoking on platelet adhesiveness. Strolin-Benedetti M, et al. **Haemostasis** 5(1):14–20, 1976

Relation between tobacco smoking of pregnant women and body size of their progeny: a compilation and synthesis of published studies. Meredith HV. **Hum Biol** 47(4):451–72, Dec 75

Cigarette smoking during pregnancy: the relationship with depressed weight gain and birthweight. An updated report. pp. 161–72. Rush D.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Comparison of leukocyte count and function in smoking and nonsmoking young men. Noble RC, et al. **Infect Immun** 12(3):550–5, Sep 75

The personality of the cigarette smoker: some empirical data. Simon WE, et al. **Int J Addict** 11(1):81–94, 1976

Exogenous vs endogenous transfer of nicotine during smoking. Jenkins RW Jr, et al. **Int J Appl Radiat Isot** 27(5–6):323–4, May-Jun 76

Toxicity of marijuana and tobacco smoking in the beagle. Huy ND, et al. **Int J Clin Pharmacol Biopharm** 12(1-2):267–76, Jul 75

Total body radioautography of hamsters exposed to 14C-labeled cigarette smoke. Kmoch N, et al. **Int J Nucl Med Biol** 2(4):188–90, Oct 75

The effect of smoking on ascorbic acid and serum cholesterol in adult males. Kevany J, et al. **Ir J Med Sci** 144(12):474–7, Dec 75

The relative importance of socially induced tension and behavioral contagion for smoking behavior. Glad W, et al. **J Abnorm Psychol** 85(1):119–21, Feb 76

On the significance of never using a drug: an example from cigarette smoking. Kozlowski LT, et al. **J Abnorm Psychol** 85(4):433–4, Aug 76

Naturally occurring nitrosatable amines. II. Secondary amines in tobacco and cigarette smoke condensate. Singer GM, et al. **J Agric Food Chem** 24(3):553–5, May-Jun 76

A mechanism for tobacco smoke-induced allergy. Keller KF, et al. **J Allergy Clin Immunol** 57(3):278–82, Mar 76

Commodity consumption and ischemic heart disease mortality, with special reference to dietary practices. Armstrong BK, et al. **J Chronic Dis** 28(9):455–69, Oct 75

A psychological and behavioural comparison of ex-smokers and smokers. Pederson LL, et al. **J Chronic Dis** 29(7):431–4, Jul 76

Nicotine-stimulated release of neurophysin and vasopressin in humans. Husain MK, et al. **J Clin Endocrinol Metab** 41(06):1113–7, Dec 75

Fantasy in individuals who smoke, stopped smoking, and never smoked. Mlott SR, et al. **J Clin Psychol** 32(2):415–8, Apr 76

Concentration of thiocyanate and ionizable iodine in saliva of smokers and nonsmokers. Tenovuo J, et al. **J Dent Res** 55(4):661–3, Jul-Aug 76

Facilitation of human tobacco self-administration by ethanol: a behavioral analysis. Griffiths RR, et al. **J Exp Anal Behav** 25(3):279–92, May 76

Sex differences in smoking dynamics. Fisher JM. **J Health Soc Behav** 17(2):155–62, Jun 76

Critical issues facing teenagers: alcohol, smoking and drug abuse. Ellington PD. **J Med Assoc Ga** 64(12):457–9, Dec 75

Cell-mediated immune responses to transplanted tumors in mice chronically exposed to cigarette smoke. Chalmer J, et al. **J Natl Cancer Inst** 55(5):1129–34, Nov 75

Effects of diethylnitrosamine and cigarette smoke on hamsters. Wehner AP, et al. **J Natl Cancer Inst** 56(4):749–56, Apr 76

No differences in benzo(a)pyrene hydroxylase activity in the human immature placenta and in the human fetal liver from cigarette smoking and nonsmoking women. Schlede E, et al. **J Perinat Med** 2(3):189–95, 1974

Smoking during pregnancy and placental weight: a multivariate analysis on 3759 cases. Spira A, et al. **J Perinat Med** 3(4):237–41, 1975

Smoking and differential leucocyte (w.b.c.) count. Parulkar VG, et al. **J Postgrad Med** 21(2):75–7, Apr 75

Routine advice against smoking in pregnancy. Donovan JW, et al. **J R Coll Gen Pract** 25(153):264–8, Apr 75

The effect of the teachers smoking behavior on their involvement in smoking education in the schools. Chen TL, et al. **J Sch Health** 45(8):455–61, Oct 75

Hydrocarbon-nitrosamine synergism as a possible amplifying factor in lung tumorigenesis by tobacco smoke. Argus MF, et al. **J Theor Biol** 56(2):491–8, Feb 76

Smoking, oral contraceptives, and obesity. Effects on white blood cell count. Fisch IR, et al. **JAMA** 234(5):500–6, 3 Nov 75

Artificial tobacco substitutes. Gori GB. **JAMA** 234(5):489–90, 3 Nov 75

Letter: Reasons to encourage smoking: a modest proposal. Lowitz BB. **JAMA** 235(8):804, 23 Feb 76

Editorial: Tobacco substitutes and additives. **Lancet** 2(7927):217–8, 2 Aug 75

Letter: Cigarette sales. Daube M. **Lancet** 1(7968):1082, 15 May 76

Cigarette smoking in pregnancy: Associations with maternal weight gain and fetal growth. Davies DP, et al. **Lancet** 1(7956):385–7, 21 Feb 76

Letter: Maternal smoking and immunity. Nymand G. **Lancet** 2(7893):1379–80, 7 Dec 74

Letter: Contamination of cigarettes and pipe tobacco by cadmium-oxide dust. Piscator M, et al. **Lancet** 2(7985):587, 11 Sep 76

Some effects of changing to low-tar and low-nicotine cigarettes. Turner JA, et al. **Lancet** 2(7883):737–9, 28 Sep 74

Decreased theophylline half-life in cigarette smokers. Jenne H, et al. **Life Sci** 17(2):195–8, 15 Jul 75

The effect of cigarette smoke on influenza virus infection: a murine model system. Mackenzie JS. **Life Sci** 19(3):409–12, 1 Aug 76

Cancer mortality correlation studies. II. Regional associations of mortalities with the consumptions of foods and other commodities. Schrauzer GN. **Med Hypotheses** 2(2):39–49, Mar-Apr 76

Smoking and pregnancy. Cope I, et al. **Med J Aust** 2(19):745–7, 8 Nov 75

'What does 'hazard' mean?' A survey of Sydney schoolschildren. Long A. **Med J Aust** 2(5):175–7, 2 Aug 75

ESR studies of cigarette tobacco, smoke, and ashes. Scott TW, et al. **Naturwissenschaften** 62(11):532–3, Nov 75

Comparison of four different methods for the recovery of dotriacontane-16,17-14C from small animal respiratory tissue. Kmoch N, et al. **Nucl Med (Stuttg)** 14(2):185–91, 30 June 75

Effect of cigarette smoking on postural muscle tremor. Maykoski KA, et al. **Nurs Res** 25(1):39–43, Jan-Feb 76

Passive smoking in children. Colley J. **Nurs Times** 71(47):1858–9, 20 Nov 75

Vitamin C concentration in plasma and leucocytes of men related to age and smoking habit. McClean HE, et al. **NZ Med J** 83(561):226–9, 14 Apr 76

Effects of cigarette-smoking on the fetus and child. **Pediatrics** 57(3):411–3, Mar 76

Immediate effects of cigarette smoking as related to different smoking habits. Myrsten AL, et al. **Percept Mot Skills** 40(2):515–23, Apr 75

A case-control investigation of alcohol, tobacco, and diet in head and neck cancer. Feldman JG, et al. **Prev Med** 4(4):444–63, Dec 75

Is the increased risk of myocardial infarction in cigarette smokers due to psychological traits? An attempted exploration using psychological questionnaire responses. Friedman GD, et al. **Prev Med** 4(4):526–32, Dec 75

Letter to the editor: The influence of tobacco smoke on indoor atmospheres. Harke HP. **Prev Med** 4(3):373–7, Sep 75

Relationship of alcohol, cigarette, and drug abuse in adulthood with alcohol, cigarette and coffee consumption in childhood. Tennant FS Jr, et al. **Prev Med** 5(1):70–7, Mar 76

Hypersensitivity to tobacco antigen. Becker CG, et al. **Proc Natl Acad Sci USA** 73(5):1712–6, May 76

Personality and behavioral correlates of cigarette smoking: one-year follow-up. Reynolds C, et al. **Psychol Rep** 38(1):251–8, Feb 76

Effects of caffeine consumption on nicotine consumption. Kozlowski LT. **Psychopharmacologia** 47(2):165–8, 28 May 76

Smoking and blood oxygen tension in healthy middle-aged males. Teculescu DB, et al. **Respiration** 33(1):54–63, 1976

Measures of association of some air pollutants, natural ionizing radiation and cigarette smoking with mortality rates. Schwing RC, et al. **Sci Total Environ** 5(2):139–69, Mar 76

Smoking cessation and peripheral circulation a population study in 59-year-old men with plethysmography and segmental measurements of systolic blood pressure. Janzon L. **Vasa** 4(3):282–7, 1975

The acute effect of smoking on calf blood flow a plethysmographic study in heavy smokers. Janzon L. **Vasa** 4(3):278–81, 1975 (Eng. Abstr.)

Ciliotoxicity of cigarette smoke and adenylate kinase. Mattenheimer H. **Z Klin Chem Klin Biochem** 13(7):325–6, Jul 75

[Letter: Smoking in our hospitals] Kruchow E. **Ugeskr Laeger** 138(20):1238–9, 10 May 76 **(Dan)**

[Treatment of cigarette smokers with an oat extract] Raffalt GJ, et al. **Ugeskr Laeger** 137(38):2177–8, 15 Sep 75 (Eng. Abstr.) **(Dan)**

[A micromethod for determination of nicotine and cotinine in blood and urine by gas chromatography. Results obtained from various smokers] Dumas C, et al. **Eur J Toxicol Environ Hyg** 8(5):280–6, Sep-Oct 75 (Eng. Abstr.) **(Fre)**

[Letter: Influence of tobacco smoke on the pressure of the central artery of the retina] Pichon P, et al. **Nouv Presse Med** 5(27):1699, 3–10 Jul 76 **(Fre)**

[Physiopathology of nicotine uptake in smoking] Klensch H. **Dtsch Med Wochenschr** 101(29):1099–100, 16 Jul 76 **(Ger)**

[Knowledge of the damages of wrong nutrition and of the effect of stimulants. (Results of questioning 100 employees of a large industry] Ehrnsperger H, et al. **Infusionstherapie** 2(5):359–64, Oct 75 (Eng. Abstr.) **(Ger)**

[Quantitative determination of various gas-phase components of the side-stream smoke of cigarettes in the room air as a contribution to the problem of passive-smoking (author's

transl)] Jermini C, et al.
Int Arch Occup Environ Health 36(3):169–81, 26 Jan 76 (Eng. Abstr.) **(Ger)**

[Reduction of smoking hazards by Denicotea filter–cartridges (author's transl)] Schmidt M, et al. **Med Klin** 71(17):719–23, 23 Apr 76 (Eng. Abstr.) **(Ger)**

[The consumption of drugs, tobacco and alcohol among the grammar–school students in Mannheim. A representative inquiry at the grammar–schools in Mannheim and Buchen/Odenwald] Bieringer GM, et al. **Med Welt** 27(35):1643–7, 27 Aug 76 **(Ger)**

[Smoking ban at the workplace—the order of the hour (author's transl)] Schmidt F. **Munch Med Wochenschr** 118(34):1043–6, 20 Aug 76 (Eng. Abstr.) **(Ger)**

[Blood cadmium levels and smoking habits] Einbrodt HJ, et al. **Naturwissenschaften** 63(3):148, Mar 76 **(Ger)**

[Effect of cigarette smoke on a chromatin extract of pea seedlings] Fellenberg G, et al. **Naturwissenschaften** 62(9):438–9, Sep 75 **(Ger)**

[Smoking and health care—experiences in Austria (author's transl)] Kunze M, et al. **Oeff Gesundheitswes** 37(6):301–6, Jun 75 **(Ger)**

[Smoking habits and epidemiology of lung cancer in Austria. III. Changes in lung cancer mortality in men] Friedl HP, et al. **Osterr Z Onkol** 2(2–3):59–63, 1975 (Eng. Abstr.) **(Ger)**

[Combined use of alcohol and tobacco among adolescents (author's transl)] Biener K. **Praxis** 65(4):105–7, 27 Jan 76 (Eng. Abstr.) **(Ger)**

[Juvenile smoking habit and sports activities] Biener K. **Praxis** 65(3):78–81, 20 Jan 76 (Eng. Abstr.) **(Ger)**

[Psychologic contributions to smoking behavior, smoking withdrawal and non–smoking training] Feser H. **Rehabilitation (Bonn)** 28(3–4):47–52, 1975 (Eng. Abstr.) **(Ger)**

[Silicosis, chronic bronchitis and smoking habits] Joder P, et al. **Schweiz Med Wochenschr** 106(8):239–44, 21 Feb 76 (Eng. Abstr.) **(Ger)**

[Development of drug, alcohol and tobacco consumption. Comparison between 2 studies from 1971 and 1974 in the canton Zurich] Sieber M, et al.
Schweiz Med Wochenschr 106(1):1–7, 3 Jan 76 (Eng. Abstr.) **(Ger)**

[Air pollution caused by cigarette smoke] Jermini C, et al. **Soz Praeventivmed** 20(5):213, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Examinations of the possibilities to nitrosate nicotine and nornicotine and of the formation of N–nitrosonornicotine in the stomach of smokers (author's transl)]. Schweinsberg F, et al. **Z Krebsforsch** 84(1):81–7, 22 Sept 75 (Eng. Abstr.) **(Ger)**

[Comparative studies of the distribution of smoke aerosol in the respiratory tract of experimental animals] Dontenwill W, et al. **Z Versuchstierkd** 18(4):202–6, 1976 **(Ger)**

[Smoking prohibition during courses on radiation protection according to the legislation on radiation. Decision of the Schleswig–Holstein administrative court from September 20, 1974—10A111/74] Pohl H. **Zahnaerztl Mitt** 65(12):595–6, 16 Jun 75 **(Ger)**

[The protection of nonsmokers at work. Work place regulations and reform of child labor laws] Schmidt F, et al. **Zentralbl Arbeitsmed** 25(4):106–10 contd, Apr 75 **(Ger)**

[CO–content in the blood of furnace–battery workers in a modern coking plant. Simultaneously a contribution to the problem of CO–load due to tobacco smoking] Manz A, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 26(7):121–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Analysis of some hematological parameters and variables connected with drinking and smoking in relation to subclinical blood lead values] Gilli G, et al.
Arch Sci Med (Torino) 132(4):151–9, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

[Carboxyhemoglobinemia and apicocardiogram in cigarette smokers affected by angina pectoris] Todisco T, et al.
Boll Soc Ital Cardiol 18(2):131–8, 1973 (Eng. Abstr.) **(Ita)**

[Blood levels of lead and erythrocyte ALA–dehydrase in 200 employees of a Turin metallurgical plant. Analysis of variables connected with alcohol drinking and smoking habits] Gilli G, et al. **Minerva Med** 66(76):3996–4003, 10 Nov 75 (Eng. Abstr.) **(Ita)**

[Letter: Less expensive insurance for non–smokers] Steiness I. **Tidsskr Nor Laegeforen** 96(15):901, 30 May 76 **(Nor)**

[Effect of smoking on serum catecholamines, free fatty acids and cortisol] Wocial B, et al. **Kardiol Pol** 19(1):59–65, 1976 (Eng. Abstr.) **(Pol)**

[Smoking and health] Gibiński K. **Pol Tyg Lek** 31(19):823–5, 10 May 76 **(Pol)**

[Effect of tobacco smoking on vitamin B 12 level in man's blood serum] Halawa B, et al. **Wiad Lek** 29(6):469–72, 15 Mar 76 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of cigarette filters] Brakhnova IT, et al. **Gig Sanit** (8):109–10, Aug 75 **(Rus)**

[Small airway disease: a comparison of three methods for early detection (author's transl)] Sotomayor H, et al.
Rev Med Chil 103(7):464–9, Jul 75 (Eng. Abstr.) **(Spa)**

[Smoking and heart infarct] Elmfeldt D, et al.
Lakartidningen 72(50):4981–4, 10 Dec 75 (Eng. Abstr.) **(Swe)**

[Editorial: Smoking or working environment—which can we control easiest?] Englund A. **Lakartidningen** 73(11):946–7, 10 Mar 76 **(Swe)**

[Physicians and smoking] Westling H. **Lakartidningen** 76(32):2599–601, 4 Aug 76 **(Swe)**

COMPLICATIONS

Carbon monoxide production and reticulocyte count in normal women. Effect of contraceptive drugs and smoking. Mercke C, et al. **Acta Med Scand** 198(3):155–60, Sep 75

Letter: Concerning the etiology of atherosclerotic heart disease. Scaff JH. **Am Heart J** 92(2):267, Aug 76

'Visiting the iniquity of the fathers upon the children'. Hall WJ, et al. **Am J Dis Child** 129(8):887–8, Aug 75

Background of angina pectoris: social and environmental factors in relation to smoking. Hrubec Z, et al.
Am J Epidemiol 103(1):16–29, Jan 76

Perinatal events associated with maternal smoking during pregnancy. Meyer MB, et al. **Am J Epidemiol** 103(5):464–76, May 76

Cigarette–smoking and nonfatal myocardial infarction: rate ratio in relation to age, sex and predisposing conditions. Miettinen OS, et al. **Am J Epidemiol** 103(1):30–6, Jan 76

Cigarette smoking, use of oral contraceptives, and myocardial infarction. Jain AK. **Am J Obstet Gynecol** 126(3):301–7, 1 Oct 76

Fetal growth retardation in relation to maternal smoking and weight gain in pregnancy. Miller HC, et al.
Am J Obstet Gynecol (1):55–60, 1 May 76

Placental ratio in white and black women: relation to smoking and anemia. Wingerd J, et al. **Am J Obstet Gynecol** 124(7):671–5, 1 Apr 76

Smoking and cancer. Communication from Bross. Bross ID. **Am J Public Health** 66(2):161, Feb 76

Smoking and cancer. Communication from Higgins. Higgins IT. **Am J Public Health** 66(2):159–61, Feb 76

Editorial: The cigarette smoking/lung cancer hypothesis. Ibrahim MA. **Am J Public Health** 66(2):132–3, Feb 76

Additional comments on the critical assessment of the evidence bearing on smoking as the cause of lung cancer. Communication from Sterling. Sterling TD.
Am J Public Health 66(2):161–4, Feb 76

Risk estimates for chronic bronchitis in smokers: a study of male–female differences. Tager IB, et al.
Am Rev Respir Dis 113(5):619–25, May 76

Letter: Cigarette smoke as a carcinogen? Weiss W.
Am Rev Respir Dis 112(5):746–7, Nov 75

Smoking and esophageal pain. McCune M, et al.
Ann Intern Med 84(3):342–3, Mar 76

Smoking, carbon monoxide and arterial disease. Wald N, et al. **Ann Occup Hyg** 18(1):1–14, Aug 75

Asbestos, smoking, and laryngeal carcinoma. Shettigara PT, et al. **Arch Environ Health** 30(10):517–9, Oct 75

Osteoporosis of the slender smoker. Vertebral compression fractures and loss of metacarpal cortex in relation to postmenopausal cigarette smoking and lack of obesity. Daniell HW. **Arch Intern Med** 136(3):298–304, Mar 76

Chronic smoking in an animal model. Effects on clotting and fibrinolysis. Moschos CB, et al. **Atherosclerosis** 23(3):437–42, May–Jun 76

Cigarette smoking and atherosclerosis in autopsied men. Strong JP, et al. **Atherosclerosis** 23(3):451–76, May–Jun 76

Smoking during pregnancy, stillbirth and abruptio placentae. Goujard J, et al. **Biomedicine [Express]** 23(1):20–2, 10 Feb 75

Tobacco chewing in English coalminers (2). Malignant transformation in a tobacco–induced leukoplakia. Tyldesley WR. **Br J Oral Surg** 14(1):93–4, Jul 76

Dupuytren's contracture and cigarette smoking.
Fraser–Moodie A. **Br J Plast Surg** 29(3):214–5, Jul 76

Bladder cancer mortality in diabetics in relation to saccharin consumption and smoking habits. Armstrong B, et al.
Br J Prev Soc Med 29(2):73–81, Jun 75

Editorial: Cigarette smoking and chest pain. **Br Med J** 4(5993):368, 15 Nov 75

Editorial: Cigarette smoking in pregnancy. **Br Med J** 2(6034):492–3, 28 Aug 76

Editorial: Lung cancer and smoking: is there proof?
Br Med J 2(6033):439–40, 21 Aug 76

Does anaemia increase the risks to the fetus caused by smoking in pregnancy? Dow TG, et al. **Br Med J** 4(5991):253–4, 1 Nov 75

Changes of smoking habits and cough in men smoking cigarettes with 30% NSM tobacco substitute. Freedman S, et al. **Br Med J** 1(6023):1427–30, 12 Jun 76

Primary spontaneous pneumothorax and smoking. Jansveld CA, et al. **Br Med J** 4(5996):559–60, 6 Dec 75

Cigarette smoking, coronary heart disease and sudden death. Lough J. **Can Med Assoc J** 113(10):919, 22 Nov 75

Lung cancer at autopsy in A–bomd survivors and controls, Hiroshima and Nagasaki, 1961–1970. II. Smoking, occupation, and A–bomb exposure. Ishimaru T, et al.
Cancer 36(5):1723–8, Nov 75

Smoking—its blessings and hazards. Part III. Humphries SV.
Cent Afr J Med 21(7):163–4, Jul 75

Smoking. Some of its less publicized sequels. Banyai AL.
Chest 69(1):55, Jan 76

The effect of continued cigarette smoking on the patency of synthetic vascular grafts in Leriche syndrome. Robicsek F, et al. **Coll Works Cardiopulm Dis** 20:62–70, Dec 75

Chronic inhalation of asbestos and cigarette smoke by hamsters. Wehner AP, et al. **Environ Res** 10(3):368–83, Dec 75

Proceedings: Dietary and smoking habits in gastric cancer: a detailed study of 64 cases and controls. Williams RH, et al. **Gut** 16(10):843, Oct 75

Comparison of thorium gamma spectra in smokers and nonsmokers. Scott LM. **Health Phys** 29(3):418–9, Sep 75

Changes in tobacco smoking and ingestion of alcohol and caffeinated beverages during early pregnancy: are these consequences, in part, of feto–protective mechanisms diminishing maternal exposure to embryotoxins? pp. 173–83. Hook EB.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Three year follow up study of toluidine blue positive and negative hard palate ulcers in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 12(2):113–7, Jun 75

Microinvasive carcinoma of hard palate in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 11(4):386–93, Dec 74

Three year follow–up of toluidine blue positive and negative hard palate ulcer in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 12(2):113–7, Jun 1975

Smoking and disorders of gastrointestinal tract. Singh DS.
Indian J Public Health 19(2):74–8, Apr–Jun 75

Alcohol, tobacco, and illicit drug use among adolescents. Shapiro RD. **Int J Addict** 10(3):387–90, 1975

Reverse smoking and the insulated denture. Marano PD.
J Am Dent Assoc 92(3):599–601, Mar 76

Mural thrombosis of large arteries in alcoholic smokers. Read RC, et al. **J Cardiovasc Surg (Torino)** Spec No:565–70, 1973

An analysis of the relationship of systolic blood pressure, serum cholesterol, and smoking to 14–year mortality in the Chicago Peoples Gas Company Study– II. Coronary and cardiovascular–renal mortality in two competing risk models. Dyer AR. **J Chronic Dis** 28(11–12):571–8, Dec 75

An analysis of the relationship of systolic blood pressure, serum cholesterol, and smoking to 14–year mortality in the Chicago Peoples Gas Company Study— I. Total mortality in exponential–Weibull model. Dyer AR. **J Chronic Dis** 28(11–12):565–70, Dec 75

Comparative effects of rapid and normal smoking on heart rate and carboxyhemoglobin. Danaher BG, et al.
J Consult Clin Psychol 44(4):556–63, Aug 76

Cigarette smoking and premature cardiovascular disease. Bailey WM. **J Med Assoc Ga** 64(10):397–8, Oct 75

Mouse skin assay of condensate from smoking products other than tobacco. Bernfeld P, et al. **J Natl Cancer Inst** 56(4):741–7, Apr 76

Effects of cigarette smoke on the bronchial epithelium of Syrian hamsters: ultrastructural studies. Reznik–Schüller H, et al. **J Natl Cancer Inst** 55(2):353–69, Aug 75

Regenerative response of the rat tracheal epithelium after acute exposure to tobacco smoke: a quantitative study. Wells AB, et al. **J Natl Cancer Inst** 55(4):887–91, Oct 75

Sickness absence and smoking behavior and its consequences. A review. Athanasou JA. **J Occup Med** 17(7):441–5, Jul 75

Chloromethyl ethers, cigarettes, cough and cancer. Weiss W. **J Occup Med** 18(3):194–9, Mar 76

Effects of smoking on health. **J Trop Med Hyg** 78(6):137, Jun 75

The multiple risk factor intervention trial (MRFIT). A national study of primary prevention of coronary heart disease. **JAMA** 235(8):825–7, 23 Feb 76

Effect of age and cigarette smoking on carcinoembryonic antigen levels. Alexander JC, et al. **JAMA** 235(18):1975–9, 3 May 76

Editorial: Old culprits blamed for new crimes. Danilevicius Z. **JAMA** 234(6):631–2, 10 Nov 75

Editorial: Osteoporosis among women who smoke cigarettes. Hussey HH. **JAMA** 235(13):1367–8, 29 Mar 76

Editorial: Hard put for a silver lining. Vaisrub S. **JAMA** 233(10):1090, 8 Sep 75

Editorial: On the fringes of smoke rings. Vaisrub S.
JAMA 234(5):520, 3 Nov 75

Letter: Mortality from coronary heart–disease. Burch PR.
Lancet 1(7969):1126–7, 22 May 76

Death and coronary attacks in men after giving up cigarette smoking. A report from the Framingham study. Gordon T, et al. **Lancet** 2(7893):1345–8, 7 Dec 74

Letter: Carbon monoxide, smoking, and constitution. Hickey RJ, et al. **Lancet** 2(7883):786–7, 28 Sep 74

Letter: Smoking and the fetus. Mau G. **Lancet** 1(7966):972, 1 May 76

Letter: Morbidity and mortality in pseudopolycythaemia. Mongin M, et al. **Lancet** 1(7956):433, 21 Feb 76

Letter: Carbon–monoxide yield of filter–tipped cigarettes. Russell MA. **Lancet** 1(7954):301, 7 Feb 76

Letter: Smoking and coronary heart–disease. Seltzer CC.
Lancet 1(7973):1351–2, 19 Jun 76

Letter: Smoking and the fetus. Spira A, et al. **Lancet** 1(7974):1416–7, 26 Jun 76

Mortality from lung cancer and coronary heart–disease in relation to changes in smoking habits. Wald NJ. **Lancet** 1(7951):136–8, 17 Jan 76

'Smokers' larynx' and carcinoma of the larynx in Syrian hamsters exposed to cigarette smoke. Homburger F.
Laryngoscope 85(11 pt 1):1874–81, Nov 75

List of illnesses and disabilities associated with smoking.
Med J Aust 2(4):suppl:3–4, 26 Jul 75

Editorial: The grave facts about smoking. **Med J Aust** 2(4):120–1, 26 Jul 75

Letter: Wheezy children and smoking. Gale AE.
Med J Aust 2(8):322, 23 Aug 75

The influence of smoking and chronic bronchitis on total lung capacity (TLC) measured in a population of factory workers. Jedrychowski W. **Med Lav** 67(3):234–9, May–Jun 76 (Eng. Abstr.)

Smoking habits and epidemiology of lung cancer in Austria.

Wrba H, et al. **Osterr Z Onkol** (3-4):81-5, 1974
Note on selective effects of short-term tobacco-abstinence on complex versus simple mental tasks. Elgerot A. **Percept Mot Skills** 42(2):413-4, Apr 76
Smoking and optic neuritis. Perkin GD, et al. **Postgrad Med J** 51(596):382-5, Jun 75
The relationship between smoking and migraine. Volans GN, et al. **Postgrad Med J** 52(604):80-2, Feb 76
Smoking and respiratory symptoms in two groups of schoolchildren. Bewley BR, et al. **Prev Med** 5(1):63-9, Mar 76
Smoking and occupational cancers. Hoffmann D, et al. **Prev Med** 5(2):245-61, Jun 76
Animal inhalation studies with tobacco smoke. Binns R. **Rev Environ Health** 2(2):81-116, 1975 (102 ref.)
Alcohol, aspirin, depression, smoking, stress and the patient with a gastric ulcer. Bock OA. **S Afr Med J** 50(9):293-7, 28Feb 76
Smoking and the subjective health condition among Finnish military conscripts. Moilanen P, et al. **Scand J Soc Med** 4(1):21-3, 1976
Letter: Relationship of fatigue to smoking. Cheraskin E, et al. **South Med J** 69(4):522, Apr 76
Use of carboxyhaemoglobin levels to predict the development of diseases associated with cigarette smoking. Wald N, et al. **Thorax** 30(2):133-40, Apr 75
Mouse dermal study of smoke condensate from 'Chemosol'-treated cigarettes. Gargus JL, et al. **Toxicol Appl Pharmacol** 33(3):568-74, Sep 75
Yes, Virginia, there is a buerger's disease. Old L Jr, et al. **Va Med Mon** 103(2):115-7, Feb 76
Smoking and disease: the evidence reviewed. **WHO Chron** 29(10):402-8, Oct 75
Smoking and its effects on health. Report of a WHO Expert Committee. **WHO Tech Rep Ser** (568):1-100, 1975
[Obstructive changes in the lungs of young smokers] Nanchev L, et al. **Vutr Boles** 13(6):119-23, 1974 (Eng. Abstr.) **(Bul)**
[Relationship between smoking and arterial blood pressure in a sample of middle-aged industrial population] Duraković Z, et al. **Acta Med Iugosl** 30(1):39-51, 1976 (Eng. Abstr.) **(Cro)**
[Role of smoking in the development of coronary disease] Duraković Z. **Lijec Vjesn** 97(7):418-21, Jul 75 (Eng. Abstr.) **(Cro)**
[Epidemiologic studies on the role of tobacco in various human cancers] Flamant R, et al. **Bull Cancer (Paris)** 62(1):93-102, Jan-Mar 75 (Eng. Abstr.) **(Fre)**
[The tobacco-cancer problem] Hubert-Habart M. **Bull Cancer (Paris)** 62(1):73-90, Jan-Mar 75 (Eng. Abstr.) **(Fre)**
[Editorial: Tobacco and the cancerologist] Tubiana M. **Bull Cancer (Paris)** 62(1):91-2, Jan-Mar 75 **(Fre)**
[Association of tobacco and atmospheric pollution. Action on the respiratory system according to epidemiological data] Dubois G. **Lille Med** 20(8):731-4, Oct 75 **(Fre)**
[Myocardial infarct. Influence of smoking] Blanc JJ, et al. **Nouv Presse Med** 3(41-43):2543-5, 30 Nov-14 Dec 74 (Eng. Abstr.) **(Fre)**
[Letter: Influence of smoking on blood protein levels] Thabaut A, et al. **Nouv Presse Med** 5(15):1004-5, 10 Apr 76 **(Fre)**
[Letter: Polyglobulia of the smoker] Vanuxem D, et al. **Nouv Presse Med** 4(30):2204, 20 Sep 75 **(Fre)**
[An imperative when faced by arteriosclerosis: the need to combat all and every risk factor (hypertension, smoking, hyperlipidemia, sedentary life, stress)] Dallocchio M, et al. **Sem Hop Ther** 50(10):687-90, Dec 74 **(Fre)**
[Effect of cigarettes on the serum levels of growth hormone and TSH in diabetics] Verdy M, et al. **Union Med Can** 104(9):1356-9, Sep 75 (Eng. Abstr.) **(Fre)**
[Smoking and smoking prohibition. Juridic aspects] Friederichs VH. **Fortschr Med** 94(4):206-8, 5 Feb 76 **(Ger)**
[Smoking and injuries to health. 3. World conference on Smoking and Health 1975 and the situation in the Federal Republic of Germany] Schmidt F. **Fortschr Med** 94(4):201-5, 5 Feb 76 **(Ger)**
[Smoking and arterial vascular diseases] Hess H, et al. **Med Welt** 27(15):697-9, 9 Apr 76 **(Ger)**
[Smoking habits and epidemiology of lung cancer in Austria (author's transl)] Friedl HP, et al. **Osterr Z Onkol** (1):8-11, 1974 (Eng. Abstr.) **(Ger)**
[Smoking, chronic airway disease and lung cancer (author's transl)] Beil M. **Prax Pneumol** 29(7):403-12, Jul 75 (Eng. Abstr.) **(Ger)**
[Smoking and arteriosclerosis of peripheral vessels] Koch A, et al. **Verh Dtsch Ges Inn Med** 81:877-9, 1975 **(Ger)**
[Experimental studies on tumorigenic activity of cigarette smoke condensate on mouse skin. V. Comparative studies of condensates from different modified cigarettes (author's transl)] Dontenwill W, et al. **Z Krebsforsch** 85(2):141-53, 25 Feb 76 **(Ger)**
[Experimental studies on the rumorigenic activity of cigarette smoke condensate on mouse skin. VI. Fractionation of cigarette smoke condensate (author's transl)] Dontenwill W, et al. **Z Krebsforsch** 85(2):155-67, 25 Feb 76 (Eng. Abstr.) **(Ger)**
[Combined consumption of alcohol and tobacco in adolescents] Biener K. **ZFA** 52(10):512-5, 10 Apr 76 **(Ger)**
[Carboxyhemoglobinemic levels and cardiovascular diseases] Agostoni A, et al. **Cardiol Prat** 25(4):307-11, Oct-Dec 74 (Eng. Abstr.) **(Ita)**
[Hypertension, smoking and life insurance] Lund-Johansen P. **Nord Med** 90(11):268, Nov 75 (Eng. Abstr.) **(Nor)**
[The health destroying effect of smoking] Lindberg W. **Tidsskr Nor Laegeforen** 96(7):455-7, 10 Mar 76 **(Nor)**
[Editorial: Smoking and health] Natvig H. **Tidsskr Nor Laegeforen** 96(11):615-6, 20 Apr 76 **(Nor)**
[Relationship between total lung capacity and manifestations of chronic bronchitis and smoking] Jędrychowski W. **Gruzlica** 43(11):987-93, Nov 75 (Eng. Abstr.) **(Pol)**
[Editorial: Studies of tobacco smoking and its effect on the cardiovascular system in Poland and other socialist countries] Gibiński K. **Kardiol Pol** 19(1):1-6, 1976 **(Pol)**
[Relationship between chronic nonspecific respiratory diseases and demographic features as well as smoking habits in a sample of inhabitants of 3 districts of the City of Łódź] Matuszkiewicz W. **Pneumonol Pol** 44(6):513-25, 1976 (Eng. Abstr.) **(Pol)**
[Effect of smoking on the recurrence of arterial occlusion following surgical treatment of obliterative arteriosclerosis of the lower extremities] Piskorz A, et al. **Pol Przegl Chir** 47(9):1117-21, Sep 75 (Eng. Abstr.) **(Pol)**
[Myocardial infarct mortality and cigarette smoking in the records of Myocardial Infarct Registries in the City of Warsaw and in Lublin] Bednarzewski J, et al. **Pol Tyg Lek** 30(42):1737-9, 20 Oct 75 (Eng. Abstr.) **(Pol)**
[Incidence of addiction to cigarette smoking in the light of population studies (author's transl)] Magdoń M, et al. **Przegl Lek** 33(6):633-9, 1976 (Eng. Abstr.) **(Pol)**
[Coronary disease and smoking in the experience of the Cardiological Department at the Internal Clinical Center] Serafimova J. **God Zb Med Fak Skopje** 17:709-15, 1971 **(Ser)**
[Editorial: The habit of smoking and the influence in human reproduction] Avendaño O. **Rev Chil Obstet Ginecol** 39(4):119-20, 1974 **(Spa)**
[Animal experimental research on tobacco smoke] Rylander R. **Lakartidningen** 73(16):1523-5, 14 Apr 76 (Eng. Abstr.) **(Swe)**
[Asbestos, tobacco and lung function] Simonsson BG. **Lakartidningen** 72(49):4815, 3 Dec 75 **(Swe)**
[Tobacco or asbestos--which is the greater risk for neoplasms] Werkö L. **Lakartidningen** 72(42):4006-7, 15 Oct 75 **(Swe)**

DRUG THERAPY

Effect of nicotine chewing gum on smoking behaviour and as an aid to cigarette withdrawal. Russell MA, et al. **Br Med J** 2(6032):391-3, 14 Aug 76

MORTALITY

An information theoretic contingency table analysis of the Dorn study of smoking and mortality. Kullback S, et al. **Comput Biomed Res** 9(5):409-37, Oct 76
[Mortality of Norwegian physicians in the period 1953-72 in relation to their smoking habits in 1952-3] Holme I. **Tidsskr Nor Laegeforen** 96(11):620-7, 20 Apr 76 (Eng. Abstr.) **(Nor)**

OCCURRENCE

Changes associated with quitting cigarette smoking: the Framingham Study. Gordon T, et al. **Am Heart J** 90(3):322-8, Sep 75
Smoking and respiratory illness in military recruits. Pollard RB, et al. **Arch Environ Health** 30(11):533-7, Nov 75
Patterns of use of alcohol, cannabis and tobacco in a student population. Einstein R, et al. **Br J Addict** 70(2):145-50, Jun 75
Incidence and variables contributing to onset of cigarette smoking among secondary school children and medical students in Lagos, Nigeria. Elegbeleye OO, et al. **Br J Prev Soc Med** 30(1):66-70, Mar 76
Letter: Older smokers. Whitehead FE. **Br Med J** 1(6023):1469-70, 12 Jun 76
Cigarette smoking in Latin America--A survey of eight cities. Joly DJ. **Bull Pan Am Health Organ** 9(4):328-44, 1975
Cigarette smoking and the young: a national survey. Hanley JA, et al. **Can Med Assoc J** 114(6):511-7, 20 Mar 76
Is cigarette smoking more frequent among insulin-treated diabetics? Czyżyk A, et al. **Diabetes** 25(8):717-8, Aug 76
Changes in respiratory symptoms related to smoking in a teenage population: the results of two linked surveys separated by one year. Rush D. **Int J Epidemiol** 5(2):173-8, Jun 76
Characteristics of smokers, nonsmokers and ex-smokers among 10,000 adult males in Israel. I. Distribution of selected sociodemographic and behavioral variables and the prevalence of disease. Goldbourt U, et al. **Isr J Med Sci** 11(11):1079-101, Nov 75
Distribution and consequences of smoking habits in a cross-sectional epidemiological survey. Kesteloot H, et al. **J Chronic Dis** 29(5):301-310, May 76
Smoking cessation and sex role convergence. Bossé R, et al. **J Health Soc Behav** 17(1):53-61, Mar 76
Student nurses and smoking. A survey. Burk MF, et al. **J Maine Med Assoc** 66(10):271-3, Oct 75
Letter: Doctors' smoking habits. **Med J Aust** 1(3):71, 17 Jan 76
Letter: Effects of advertising on cigarette and alcoholic beverage consumption. Blizard J. **Med J Aust** 2(12):493-4, 20 Sep 75
Letter: Effects of advertising on cigarette and alcoholic beverage consumption. Blizzard J. **Med J Aust** 2(24):919, 13 Dec 75
Patterns of tobacco smoking in Australia. Gray NJ, et al. **Med J Aust** 2(22):819-22, 29 Nov 75
Attitudes and smoking habits of Australian doctors. Rankin DW, et al. **Med J Aust** 2(22):822-4, 29 Nov 75
Alcohol, tobacco and analgesics--Busselton, 1972. Woodings T. **Med J Aust** 2(6):211-4, 9 Aug 75
Smoking habits among medical students in the University of Malaya. Pathmanathan I. **Med J Malaysia** 30(2):88-92, Dec 75
Smoking behaviour and respiratory health in teenage sample: the rotorua lakes study, 1. Stanhope JM, et al. **NZ Med J** 82(545):71-6, 13 Aug 75
A new approach to teen-age smoking. Committee on Youth. **Pediatrics** 57(4):465-6, Apr 76
The smoking habits of women doctors and doctors' wives in New Zealand. Hay DR, et al. **Prev Med** 5(1):78-88, Mar 76
Chronic cough in young adults in relation to smoking habits, childhood environment and chest illness. Kiernan KE, et al. **Respiration** 33(3):236-44, 1976
Smoking among medical students. Purvis JM, et al. **South Med J** 69(4):413-6, Apr 76
[Alcohol, cigarette, and drug consumption among 20-year old, healthy, Swiss males] pp. 95-104. Battegay R, et al. **In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974.** (Eng. Abstr.) **(Ger)**
[Food habits and cigarette smoking in adolescents] Bruppacher R, et al. **Soz Praeventivmed** 20(5):238-9, Sep-Oct 75 (Eng. Abstr.) **(Ger)**
[Family factors and cigarette smoking in adolescents] Erne H, et al. **Soz Praeventivmed** 20(5):236-7, Sep-Oct 75 (Eng. Abstr.) **(Ger)**
[Inconsistency in answering a questionnaire on alcohol-, nicotine-, and drug consumption. Extent of the resulting distortion of the total results] Mühlemann R, et al. **Soz Praeventivmed** 20(1):19-20, Jan-Feb 75 (Eng. Abstr.) **(Ger)**
[Smoking habits among pregnant women in Hedmark] Vangen O. **Tidsskr Nor Laegeforen** 96(11):639-41, 20 Apr 76 (Eng. Abstr.) **(Nor)**
[Smoking habits in the Norwegian population] Zeiner-Henriksen T. **Tidsskr Nor Laegeforen** 96(11):617-20, 20 Apr 76 (Eng. Abstr.) **(Nor)**
[The cigarette smoking habit in Latin America. A survey in 8 cities] Joly DJ. **Bol Of Sanit Panam** 79(2):93-111, Aug 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Letter: Determinants of chronic obstructive pulmonary disease in patients with intermediate concentrations of alpha1-antitrypsin. Harris JO. **Am Rev Respir Dis** 112(6):889-90, Dec 75
Respiratory surface epithelium: SEM technique for bioassay on inhalants. pp. 623-30. Basrur PK, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**
The morphological changes produced in the distal respiratory system of smoking dogs: a correlative optical, transmission and scanning electron microscopy study. pp. 225-32. Carter HW, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**
Concanavilin-A agglutination of human pulmonary alveolar macrophages from nonsmokers and cigarette smokers: a comparison. Warr GA, et al. **Life Sci** 18(10):1177-84, 15 May 76
Chronic inhalation of marijuana and tobacco in dogs: pulmonary pathology. Roy PE, et al. **Res Commun Chem Pathol Pharmacol** 14(2):305-17, Jun 76
Leukocyte recruitment to airways by cigarette smoke and particle phase in contrast to cytotoxicity of vapor. Kilburn KH, et al. **Science** 189(4203):634-7, 22 Aug 75
[Proceedings: Morphology of placenta in smokers] Löhr J, et al. **Arch Gynaekol** 219(1-4):376-7, 18 Nov 75 **(Ger)**

PHYSIOPATHOLOGY

Smoking and intraocular pressure. Bahna SL, et al. **Acta Ophthalmol (Kbh)** 53(3):328-34, Jun 75
Cardiovascular effects of long-term cigarette smoking and nicotine administration. Ahmed SS, et al. **Am J Cardiol** 37(1):33-40, Jan 76
The effect of smoking cessation and modification on lung function. Buist AS, et al. **Am Rev Respir Dis** 114(1):115-22, Jul 76
Effect of modification of the smoking habit on lung function. McCarthy DS, et al. **Am Rev Respir Dis** 114(1):103-13, Jul 76
Tobacco smoking and glaucoma. Mehra KS, et al. **Ann Ophthalmol** 8(4):462-4, Apr 76
Tracheobronchial particle deposition and clearance. A study of the effects of cigarette smoking in monozygotic twins. Bohning DE, et al. **Arch Environ Health** 30(9):457-62, Sep 75
Age, smoking inhalation, and pulmonary function. Bossé R, et al. **Arch Environ Health** 30(10):495-8, Oct 75

Acute changes in ventilation and blood pressure induced by inhalation of tobacco smoke. Zapata P, et al. **Arch Int Pharmacodyn Ther** 219(1):116–27, Jan 76

Cigarette smoking in pregnancy: differences in peripheral circulation between smokers and non-smokers. Ashton H. **Br J Obstet Gynaecol** 82(11):868–81, Nov 75

Editorial: Smoking and lung ageing. **Br Med J** 4(5991):247, 1 Nov 75

Tests of uneven ventilation: differences between smokers and non-smokers. Benson MK, et al. **Bull Physiopathol Respir (Nancy)** 11(1):33P–36P, Jan–Feb 75

Reactions to cigarettes as a function of nicotine and 'tar'. Goldfarb T, et al. **Clin Pharmacol Ther** 19(6):767–72, Jun 76

Nature and fate of insecticide residues inhaled by rats in cigarette smoke. Atallah YH, et al. **Drug Metab Dispos** 3(6):513–9, Nov–Dec 75

Smoking habits and blood carbon monoxide levels. Hawkins LH, et al. **Environ Res** 11(3):310–8, Jun 76

Manometric studies on the human pyloric sphincter. Effect of cigarette smoking, metoclopramide, and atropine. Valenzuela JE, et al. **Gastroenterology** 70(4):481–3, Apr 76

Letter: Effects of inhaled fumes on immunological response of rabbits. Samal UC, et al. **Indian J Physiol Pharmacol** 19(2):103–4, Apr–Jun 75

Aerosol penetrance: a sensitive index of peripheral airways obstruction. Dolovich MB, et al. **J Appl Physiol** 40(3):468–71, Mar 76

The physiological effects of inhaling exhaled cigarette smoke in relation to attitude of the nonsmoker. Rummel RM, et al. **J Sch Health** 45(9):524–9, Nov 75

Acute effects of smoking tobacco and a tobacco substitute on lung function in man. Costello JF, et al. **Lancet** 2(7937):678–81, 11 Oct 75

Norepinephrine and epinephrine release and adrenergic mediation of smoking-associated hemodynamic and metabolic events. Cryer PE, et al. **N Engl J Med** 295(11):573–7, 9 Sep 76

Editorial: Smoking, catecholamines, and the heart. Lefkowitz RJ. **N Engl J Med** 295(11):615–6, 9 Sep 76

Smoking and the heart patient. Fuhs MF. **Nurs Clin North Am** 11(2):361–9, Jun 76

Frequency dependent changes of gas distribution in long-term cigarette smokers. Huckauf H, et al. **Pneumonologie** 151(4):275–6, 30 May 75

Inhalation of tobacco and marijuana in dog over a period of 30 months: effect on body weight, food intake and organ weight. Huy ND, et al. **Res Commun Chem Pathol Pharmacol** 13(3):465–72, Mar 76

Smoking and pulmonary diffusing capacity. Frans A, et al. **Scand J Respir Dis** 56(3):165–83, Sep 75

Pulmonary gas exchange in asymptomatic smokers and nonsmokers. Frans A, et al. **Scand J Respir Dis** 56(5):233–44, 1975

The closing volume as a screening test in smokers. Benson MK. **Scand J Respir Dis [Suppl]** (95 suppl):84–90, 1976

Relationship between smoking and the single breath nitrogen washout. Buist AS, et al. **Scand J Respir Dis [Suppl]** (95 suppl):108–16, 1976

The volume of trapped gas, closing volume and pulmonary gas exchange in smokers and non-smokers aged 60. Lilja B, et al. **Scand J Respir Dis [Suppl]** (95 suppl):48–59, 1976

Nitrogen closing volume-test in 50- and 60- year-old men. Oxhöj H, et al. **Scand J Respir Dis [Suppl]** (95 suppl):97–101, 1976

Closing volume. The effects of acute exposure to tobacco and tobacco substitute mixtures. Rawbone RG. **Scand J Respir Dis [Suppl]** (95 suppl):91–6, 1976

Airway closure and expiratory flow-limitation in relation to smoking habits and symptoms of CNSLD. Tammeling GJ, et al. **Scand J Respir Dis [Suppl]** (95 suppl):73–83, 1976

Induction of aryl hydrocarbon hydroxylase in rodent lung by cigarette smoke: a potential short-term bioassay. Akin FJ, et al. **Toxicol Appl Pharmacol** 36(2):331–7, May 76

Functional and biochemical effects on the lung following inhalation of cigarette smoke and its constituents. III. Serum antitrypsin and bronchomotor responses in rats. Ito H, et al. **Toxicol Appl Pharmacol** 35(3):403–12, Mar 76

[Action of tobacco smoke on the alveolar macrophage. Recent data] Chrétien J, et al. **Nouv Presse Med** 4(32):2327–31, 4 Oct 75 (59 ref.) **(Fre)**

[Influence of tobacco on hormones essential to glycoregulation] Orsetti A, et al. **Nouv Presse Med** 4(21):1571–2, 24 May 75 **(Fre)**

[Modifications in the closing volume due to the inhalation of tobacco smoke] Brusasco V, et al. **Poumon Coeur** 31(5):287–9, 1975 (Eng. Abstr.) **(Fre)**

[Respiratory function changes in a group of heavy smokers following substitution of a less irritating cigarette for the smokers' habitual cigarette] Guillerm R, et al. **Poumon Coeur** 31(5):277–81, 1975 (Eng. Abstr.) **(Fre)**

[Effect of smoking on vascular resistance in the upper extremities] Bernardi L, et al. **Boll Soc Ital Biol Sper** 52(5):345–50, 15 Mar 76 **(Ita)**

[Influence of CO on transfer of O2 to the tissues] Bernasconi C, et al. **Boll Soc Ital Cardiol** 20(1):67–72, 1975 **(Ita)**

[Frequency dependence of dynamic compliance—effects of smoking on the small airway] Ishikawa K, et al. **Jpn J Thorac Dis** 13(4):210–9, Apr 75 (Eng. Abstr.) **(Jpn)**

[Acute pulmonary and cardiovascular effects of tobacco smoking in the rabbit. 1. Development of a cigarette smoke respirator for the rabbit and some experimental applications of it (author's transl)] Asano M, et al. **Respir Circ (Tokyo)** 23(5):411–6, May 75 **(Jpn)**

[Detection of early disorders of pulmonary function in cigarette smokers] Grębska E. **Pneumonol Pol** 44(6):585–92, 1976 **(Pol)**

[Blood flow in peripheral tissues during cigarette smoking] Halawa B, et al. **Pol Tyg Lek** 30(52):2165–7, 29 Dec 75 (Eng. Abstr.) **(Pol)**

[Effect of tobacco smoking on the adrenergic system activity and serotonin metabolism] Trojnar R. **Pol Tyg Lek** 31(11):459–61, 15 Mar 76 **(Pol)**

[Adrenergic system and serotonin metabolism in cigarette smokers] Trojnar R. **Pol Tyg Lek** 31(12):473–6, 22 Mar 76 (Eng. Abstr.) **(Pol)**

[Effect of tobacco smoking on acid–base equilibrium in arterialized capillary blood] Walczak Z. **Pol Tyg Lek** 31(16):653–4, 19 May 76 (Eng. Abstr.) **(Pol)**

[Effect of smoking on ventilatory function in foundry workers] Golli V, et al. **Rev Ig [Pneumoftiziol]** 23(4):379–86, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

PREVENTION & CONTROL

Persuading people to stop smoking. Raw M. **Behav Res Ther** 14(2):97–101, 1976

Temporal contiguity in electric aversion therapy for cigarette smoking. Russell MA, et al. **Behav Res Ther** 14(2):103–23, 1976

Cognitive orientation, type of smoker and behavior therapy of smoking. Kreitler S, et al. **Br J Med Psychol** 49(2):167–75, Jun 76

Letter: Self-help groups in the smoking problem. Illingworth D, et al. **Br Med J** 1(6018):1147, 8 May 76

Helping smokers quit: the physician's role. Fredrickson DT. **CA** 26(4):236–41, Jul–Aug 76

No-smoking campaign gathers momentum. **Can Med Assoc J** 114(2):163, 24 Jan 76

Editorial: Physician, no smoking please. Geekie DA. **Can Med Assoc J** 114(2):96, 24 Jan 76

Community health symposium. Part II: from less tobacco to more estrogen. Godden JO. **Can Med Assoc J** 114(1):71, 74–6, 10 Jan 76

'No thanks, I've quit smoking'. Razzell M. **Can Nurse** 71(9):23–5, Sep 75

Smoking — its blessings and hazards. Humphries SV. **Cent Afr J Med** 21(12):268–9, Dec 75

Help your patients become nonsmokers. Fosburg RG. **Clin Notes Respir Dis** 14(2):3–12, Fall 75

Yes, I mind if you smoke. Faigel HC. **Clin Pediatr (Phila)** 15(2):117–8, FEB 76

Mount Auburn Hospital Cambridge, MA. anti-smoking project: final report. Withe LM. **Hosp Top** 54(3):28, 31, May–Jun 76

The application of specific psychological and educational techniques. Smoking control. pp. 35–41. Hildebrand GI.

In: Summary proceedings of the International Conference on Public Education about Cancer, Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

Response of medical personnel to an on-site smoking cessation program. Kanzler M, et al. **J Clin Psychol** 32(3):670–4, Jul 76

Long- and short-term effectiveness of a large-scale proprietary smoking cessation program. –A 4-year follow-up of Smokenders participants. Kanzler M, et al. **J Clin Psychol** 32(3):661–9, Jul 76

The effects of hypnotic susceptibility on reducing smoking behavior treated by an hypnotic technique. Perry C, et al. **J Clin Psychol** 31(3):498–505, Jul 75

A comparison of excessive and rapid smoking in the modification of chronic smoking behavior. Lando HA. **J Consult Clin Psychol** 43(3):350–5, Jun 75

Cognitive dissonance as a modifier of chronic smoking behavior: a serendipitous finding. Lando HA, et al. **J Consult Clin Psychol** 43(5):750, Oct 75

Aversive conditioning and contingency management in the treatment of smoking. Lando HA. **J Consult Clin Psychol** 44(2):312, Apr 76

Comparison of hypnosis plus counseling, counseling alone, and hypnosis alone in a community service smoking withdrawal program. Pederson LL, et al. **J Consult Clin Psychol** 43(6):920, Dec 75

Comparison of three behavioral techniques in the modification of smoking behavior. Sutherland A, et al. **J Consult Clin Psychol** 43(4):443–7, Aug 75

Hypnoaversion treatment in alcoholism, nicotinism and weight control. Miller MM. **J Natl Med Assoc** 68(2):129–30, Mar 76

Anti-smoking lozenge. Seltzer AP. **J Natl Med Assoc** 67(4):311–3, Jul 75

Effects of fear appeals and physiological arousal upon emotion, attitudes, and cigarette smoking. Rogers RW, et al. **J Pers Soc Psychol** 32(2):222–30, Aug 75

The short life line. Hoffman W. **J Sch Health** 46(1):48, Jan 76

Complexities of smoking education. McIntire JT. **J Sch Health** 46(4):234–5, Apr 76

The effect of transcendental meditation upon modifying the cigarette smoking habit. Ottens AJ. **J Sch Health** 45(10):577–83, Dec 75

Smoking and obesity: the behavioral ramifications. St. Pierre R, et al. **J Sch Health** 45(7):406–8, Sep 75

The pledge as an instrument of behavioral change. Hallaq JH. **J Soc Psychol** 98(First Half):147–8, Feb 76

Letter: Re: medical pests. Allgaier W. **JAMA** 235(22):2388, 31 May 76

Medical pests. Harnes JR. **JAMA** 235(2):157, 12 Jan 76

Letter: Taxes, smoking, and health. Freeman AG. **Lancet** 1(7956):420, 21 Feb 76

Letter: Taxes, smoking and health. Peto J. **Lancet** 1(7954):301, 7 Feb 76

Editorial: Successes, failures and prospects of the anti-smoking programme. **Med J Aust** 2(22):815–6, 29 Nov 75

Smoking and pregnancy. Jones P. **Nurs Times** 71(51):2038–9, 18 Dec 75

Assessing the attitude of veterans toward a smoking cessation program in a hospital setting. Dawley HH Jr, et al. **Percept Mot Skills** 40(2):448–50, Apr 75

Aversive cigarette smoking with an habitual, excessive smoker. Dawley HH Jr. **Percept Mot Skills** 41(3):1008–10, Dec 75

The influence of health education on the use of alcohol and tobacco in adolescence. Biener KJ. **Prev Med** 4(3):252–7, Sep 75

Smoking in children: developing a social psychological strategy of deterrence. Evans RI. **Prev Med** 5(1):122–7, Mar 76

Case study: elimination of smoking behavior through aversive smoking and other procedures. Dawley HH Jr, et al. **Psychol Rep** 37(3 Pt 1):799–802, Dec 75

Results of a quit-smoking research project in a randomly selected population. Isacsson SO, et al. **Scand J Soc Med** 4(1):25–9, 1976

[Campaign against tobacco in Sweden] Ramström LM. **Bronches** 25(1):64–72, Jan–Feb 75 **(Fre)**

[Suggestibility as a therapy factor in various forms of smoking therapy] Ehlers W, et al. **Arch Psychol (Frankf)** 127(3–4):210–9, 1975 (Eng. Abstr.) **(Ger)**

[Recommendations for government action against smoking] Beske F. **Oeff Gesundheitswes** 37(9):586–90, Sep 75 **(Ger)**

[Smoker weaning—non-smoking training. I] Faust V. **Ther Ggw** 115(7):1206–23, Jul 76 **(Ger)**

[Protection of nonsmokers at the working place. Contribution to the working site regulation and to the reform of the Industrial Safety Act Adolescents] Schmidt F, et al. **Zentralbl Arbeitsmed** 25(5):141–5concl., May 75 **(Ger)**

[Structure and guidelines of the psychocreative program of an antinicotine consultation unit in primary prevention of coronary heart disease (author's transl)] Mellibruda L. **Przegl Lek** 33(6):583–5, 1976 (Eng. Abstr.) **(Pol)**

[The problem regarding the loss of the habit of smoking (author's transl)] Luban-Plozza B. **Folia Clin Int (Barc)** 25(7–8):421–30, Jul–Aug 75 **(Spa)**

[Experiences of nicotine chewing gum in antismoking treatment] Westling H. **Lakartidningen** 73(30–31):2549–52, 21 Jul 76 (Eng. Abstr.) **(Swe)**

THERAPY

[Tobacco and public health. Initial attempt at detoxification] Chicou FJ. **Bull Cancer (Paris)** 62(1):103–19, Jan–Mar 75 **(Fre)**

SNAILS

Geology and geomorphology in relation to the distribution of snail intermediate hosts of bilharzia in South Africa. Appleton CC, et al. **Ann Trop Med Parasitol** 70(2):189–98, Jun 76

Choice among food levels by an aquatic grazer (Physa gyrina say). Warner JS. **Behav Biol** 16(3):379–83, Mar 76

Possible neurotransmitter role of acetylcholine, 5-hydroxytriptamine and dopamine in Heobania CNS. Eusebi F, et al. **Boll Soc Ital Biol Sper** 52(3):178–83, 15 Feb 76

Bilharziasis in the Awash Valley: II. Molluscan fauna in irrigation farms and agricultural development. Kloos H, et al. **Ethiop Med J** 12(4):157–73, Oct 74

Genic variation in isolated marginal populations of the Roman snail, Helix pomatia L. Järvinen O, et al. **Hereditas** 82(1):101–9, 1976

Esterases of the snails Helix pomatia and Cepaea hortensis. Variation and characterization of different molecular forms. Tegelström H, et al. **Hereditas** 79(1):117–24, 1975

New Oncomelania hupensis foci on Taiwan. Lo CT, et al. **J Parasitol** 62(4):616–20, Aug 76

A quantitative sampling method for Oncomelania quadrasi by filter paper. Tanaka H, et al. **Jpn J Exp Med** 45(4):255–62, Aug 75

Migration of Oncomelania quadrasi observed by the mark and release method in a wet bank of a stream in Leyte, Philippines. Tanaka H, et al. **Jpn J Exp Med** 46(1):31–5, Feb 76

Monograph on 'Lithoglyphopsis' aperta, the snail host of Mekong River schistosomiasis. Davis GM, et al. **Malacologia** 15(2):241–87, 1976

Circadian oscillators and photoreceptors in the gastropod, Aplysia. Lickey ME, et al. **Photophysiology** 23(4):253–73, Apr 76

Biology of the snail-killing fly, Sepedon spangleri Beaver (Diptera: Sciomyzidae). I. Life history. Chandavimol Y, et al. **Southeast Asian J Trop Med Public Health** 6(3):395–9, Sep 75

Effect of the Aswan High Dam on prevalence of schistosomiasis in Egypt. Malek EA. **Trop Geogr Med**

27(4):359–64, Dec 75

Pharmacological studies on the giant African snail (Archachatina marginata). Marquis VO. **West Afr J Pharmacol Drug Res** 1(1):42–6, Jan 74

[The advantage of an association of Zonitidea snails in biological control of Lymnaea (Galba) truncatula on siliceous and calcareous field (authors transl)] Rondelaud D. **Ann Parasitol Hum Comp** 51(1):41–9, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Small-angle x-ray and sedimentation studies on alpha-haemocyanin H. pomatia (halve molecules) in glycerol and sucrose solutions (author's transl)] Berger J, et al. **Z Naturforsch [C]** 31(5–6):238–44, May–Jun 76 **(Ger)**

[Local distribution and ecology of Bithynia inflata in the northern Tomsk district. Report 1. Influence of abiotic factors on the distribution of Bithynia] Baér SA, et al. **Med Parazitol (Mosk)** 45(1):74–81, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Neurotropic activity of the gamma-globulin fraction in the serum of schizophrenic patients] Solntseva EI, et al. **Zh Nevropatol Psikhiatr** 76(7):1067–70, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Physicochemical properties of Planorbis corneus erythrocruorin. Wood EJ, et al. **Biochem J** 149(2):437–45, Aug 75

Differential hydrogen ion titrations of the histidine residues in Helix pomatia haemocyanin. Engelborghs Y, et al. **Biophys Chem** 4(4):343–8, Jul 76

Determination of cadaverine in active and dormant snails (Helix pomatia). Dolezalova H, et al. **Brain Res** 67(2):349–51, 22 Feb 74

The chemical ingredients of hemolymph and some selected organs of Helix pomatia in constant ambient conditions in the course of the year. Meincke KF. **Comp Biochem Physiol [A]** 52(1):135–40, 1 Sep 75

Trypsin–kallikrein isoinhibitor K (type Kunitz) from snails (Helix pomatia). Purification and characterization. Dietl T, et al. **Eur J Biochem** 58(2):453–60, 15 Oct 75

The amino-acid sequence of isoinhibitor K form snails (Helix pomatia). A sequence determination by automated Edman degradation and mass-spectral identification of the phenylthiohydantoins. Tschesche H, et al. **Eur J Biochem** 58(2):439–51, 15 Oct 75

The fast reduction of Helix pomatia methaemocyanin with hydrogen sulphide. Ley MD, et al. **FEBS Lett** 57(3):234–6, 1 Oct 75

Free amino acids & aminotransferases in the nervous system of the aestivating snail Pila globosa (Swainson). Mohan PM, et al. **Indian J Exp Biol** 14(1):6–9, Jan 76

Anti-galactans: new classes of anti-carbohydrate presipitins. Uhlenbruck G, et al. **Naturwissenschaften** 62(6):301–2, Jun 75

[Biochemical characteristics of the hemolymph of hemocyanin-containing gastropods] Korzhuev PA, et al. **Dokl Akad Nauk SSSR** 228(1):239–41, May–Jun 76 **(Rus)**

ANATOMY & HISTOLOGY

A natural population of Helisoma duryi in Brazil. Paraense WL. **Malacologia** 15(2):369–76, 1976

CYTOLOGY

Retrograde intracellular staining and identification gastropoda neurones with CoCl2. Rózsa K, et al. **Acta Biol Acad Sci Hung** 25(3):231–2, 1974

Chromosome-associated paracrystalline nuclear inclusions in the spermatocytes of a pulmonate snail, Planorbarius corneus L. Bottke W. **Chromosoma** 55(3):273–87, 12 May 76

The stimulating effect of the dorsal-body hormone on cell differentiation in the female accessory sex organs of the hermaphrodite freshwater snail, Lymnaea stagnalis. Geraerts WP, et al. **Gen Comp Endocrinol** 29(1):109–18, May 76

[Demonstration of acidophilic neurosecretory cells in Crepidula fornicata Phil. (Mollusca, Gasteropoda, Prosobranchia) using the fluorescent dye, Geranine G] Durchon MM. **C R Acad Sci [D] (Paris)** 282(1):73–6, 5 Jan 76 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effect of sub-lethal doses of molluscicides on the susceptibility of Bulinus truncatus snails to infection with Schistosoma haematobium. Roushdy MZ, et al. **Egypt J Bilharz** 1(1):85–90, 1974

Enhancement of euryhaline tolerance of the gastropod Hydrobia ulvae by alien catabolic productors. Yabrov A. **Life Sci** 19(2):251–6, 15 Jul 76

EMBRYOLOGY

Hatching size and the distribution of nurse eggs among prosobranch embryus. Spight TM. **Biol Bull** 150(3):491–9, Jun 76

Polyadenylation of nascent RNA during the embryogenesis of Ilyanassa obsoleta. Collier JR. **Exp Cell Res** 95(2):263–8, 15 Oct 75

Nucleic acid synthesis in the normal and lobeless embryo of Ilyanassa obsoleta. Collier JR. **Exp Cell Res** 95(2):254–62, 15 Oct 75

Embryonic development and organogenesis in the snail Marisa cornuarietis (Mesogastropoda: Ampullariidae). V. Development of the nervous system. Demian ES, et al. **Malacologia** 15(1):29–42, 1975

ENZYMOLOGY

The beta-glucosidase in the gut contents of the snail Achatina achatina. Umezurike GM. **Biochem J** 157(2):381–7, 1 Aug 76

Metabolic regulation of beta-glucosidase in the gut content of the snail Achatina achatina. Umezurike GM. **Biochim Biophys Acta** 438(1):333–8, 7 Jun 76

Purine phosphoribosyltransferases in the hepatopancreas of Helix pomatia (Gastropoda). Barankiewicz J, et al. **Comp Biochem Physiol [B]** 52(2):239–44, 15 Oct 75

Inosine–guanosine and adenosine phosphorylase activities in hepatopancreas of Helix pomatia (Gastropoda). Barankiewicz J, et al. **Comp Biochem Physiol [B]** 54(2):239–42, 1976

Purification and properties of a polyphenoloxidase from the fresh water snail Biomphalaria glabrata. de Aragão GA, et al. **Comp Biochem Physiol [B]** 53(2):179–82, 1976

Characterization of a beta-1,4-glucan hydrolase from the snail, Helix pomatia. Marshall JJ, et al. **Comp Biochem Physiol [B]** 53(2):231–7, 1976

On the presence of O-demethylase activity in invertebrates. Neuhauser E, et al. **Comp Biochem Physiol [C]** 53(1):37–9, 1976

Effects of serotonin and catecholamines on the adenylate cyclase of molluscan heart. Wollemann M, et al. **Comp Biochem Physiol [C]** 51(1):63–6, 1 Jun 75

The isolation of protoplasts of the fission yeast Schizosaccharomyces by Trichoderma viride and snail enzymes. Kopecká M. **Folia Microbiol (Praha)** 20(4):273–6, 1975

Food induced esterase phenocopies in the snail Cepaea nemoralis. Oxford GS. **Heredity (Lond)** 35(3):361–70, Dec 75

Application of microchemical analysis to the characterization of neurons from the brain to Helix aspersa. pp. 555–61. Emson PC, et al. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.**

Aspects of nitrogen excretion during aestivation in the amphibious snail Pila globosa (Swainson): evidence for enzyme urease susceptibility to neuroendocrine influence. Nayeemunnisa. **Indian J Exp Biol** 13(3):309–11, May 75

Use of snail enzyme for the selection of glucose-and mannose-negative mutants in Saccharomyces cerevisiae. Herrera LS. **Mutat Res** 34(1):123–30, Jan 76

[Characterization of some hydrolase activities in digestive juice of Achatina balteata] Colas B, et al. **Biochimie** 57(9):1019–27, 1975 (Eng. Abstr.) **(Fre)**

[Purification of polygalacturonase in Helix pomatia sap by affinity chromatography on its reticulated substrat] Foglietti MJ, et al. **Biochimie** 57(5):667–8, 1975 **(Fre)**

[Metabolism of Helix pomatia polygalacturonase] Foglietti MJ, et al. **C R Acad Sci [D] (Paris)** 281(21):1629–31, 24 Nov 75 (Eng. Abstr.) **(Fre)**

[A new group of protease inhibitors] Gauwerky C, et al. **Verh Dtsch Ges Inn Med** 81:712–5, 1975 **(Ger)**

GROWTH & DEVELOPMENT

Study of growth of Biomphalaria glabrata Say and other Planorbidae in Guadeloupe West Indies. Leveque C, et al. **Ann Trop Med Parasitol** 70(2):199–204, Jun 76

An electron microscopic study on the formation of the periostracum in Helisoma (Mollusca). Saleuddin AS. **Calcif Tissue Res** 18(4):297–310, 17 Sep 75

Control of growth by the neurosecretory hormone of the light green cells in the freshwater snail Lymnaea stagnalis. Geraerts WP. **Gen Comp Endocrinol** 29(1):61–71, May 76

Cultivating Lithoglyphopsis aperta Temcharoen, a new snail host for Schistosoma japonicum, Mekong strain. Liang YS, et al. **J Parasitol** 61(5):915–9, Oct 75

IMMUNOLOGY

Immunological and immunochemical properties of the giant African snail (Acathina fulica) hemocyanin. Olusi SO, et al. **Immunochemistry** 13(5):425–7, May 76

Opsonic involvement in phagocytosis by mollusk hemocytes. Anderson RS, et al. **J Invertebr Pathol** 27(1):57–64, Jan 76

A brief evaluation of snail anti-A in manual blood-grouping procedures. Cann RJ. **Med Lab Technol** 32(2):69–71, Apr 75

Agglutinins and protectins in the snail Borus. Vasta GR, et al. **Medicina (B Aires)** 36(2):107–12, 1976

[Studies on the problem 'Sid' and 'Cad'] Prokop O, et al. **Acta Biol Med Ger** 33(4):475–83, 1974 (Eng. Abstr.) **(Ger)**

[Further investigations on haemagglutinins in pulmonate snails (haemagglutinin tests on four more species, comparative biotope studies with previously investigated species, and tests on organs of Helix pomatia linnaeus) (author's transl)] Kilias R, et al. **Z Immunitaetsforsch** 144(2):157–66, Sep 72 (Eng. Abstr.) **(Ger)**

METABOLISM

Studies on the mucosubstances elaborated by female duct of a land pulmonate Semperula maculata in seasonal breeding-aestivation cycle. Nanaware SG, et al. **Acta Histochem (Jena)** 54(1):123–40, 1975

Histochemical studies on the mucosubstances in the ovotestis of a hermaphrodite land pulmonate Semperula maculata in seasonal breeding-aestivation cycle. Nanaware SG, et al. **Acta Histochem (Jena)** 54(1):107–22, 1975

The in vitro uptake of biogenic amines by snail (Heliz pomatia) nervous tissue. Osborne NN, et al. **Biochem Pharmacol** 24(23):2141–8, 1 Dec 75

Tyrosine hydroxylase in snail (Helix pomatia) nervous tissue. Osborne NN, et al. **Biochem Pharmacol** 25(8):925–31, 15 Apr 76

Proteolytic fragmentation of Helix pomatia alpha-hemocyanin: structural domains in the polypeptide chain. Brouwer M, et al. **Biochemistry** 15(12):2618–23, 15 Jun 76

The glial cells of the cerebral ganglia of Helix pomatia L. (Gastropoda, Pulmonata). II. Uptake of ferritin and 3H-glutamate. Reinecke M. **Cell Tissue Res** 169(3):361–82, 28 Jun 76

Oxygen consumption in the prosobranch snail Viviparus contectoides (Mollusca: Gastropoda)--II. Effects of temperature and pH. Buckingham MJ, et al. **Comp Biochem Physiol [A]** 53(3):249–52, 1976

A method of narcotizing snails (Helix pomatia) and cannulating the haemocoel and its application to a study of the role of calcium in the regulation of acid–base balance. Burton RF. **Comp Biochem Physiol [A]** 52(3):483–5, 1 Nov 75

Secretion of sulfuric acid in Cassidaria echinophora Lamarck (Mollusca: Mesogastropoda, marine carnivorous snail). Fänge R, et al. **Comp Biochem Physiol [A]** 53(1):101–3, Jan 76

Oxygen consumption in the prosobranch snail Viviparus contectoides (mollusca: gastropoda)--III. Effects of light. Fitch DD. **Comp Biochem Physiol [A]** 54(2):253–7, 1976

Nitrogen excretion in Lymnaea stagnalis: an effect of ingested carbohydrate. Friedl FE. **Comp Biochem Physiol [A]** 52(2):377–9, 1 Oct 75

Enzymatic synthesis and interconversion of UDP-D-glucose and UDP-D-galactose in the albumen gland of the snail, Helix pomatia. Department of Biological Sciences, Oakland University, Rochester, MI 48063.. **Comp Biochem Physiol [B]** 54(1):135–9, 1976

Galactogen catabolism by embryos of the freshwater snails, Bulimnaea megasoma and Lymnaea stagnalis. Goudsmit EM. **Comp Biochem Physiol [B]** 53(4):439–42, 1976

Carbohydrate metabolism in uninfected and trematode-infected snails Biomphalaria alexandrina and Bulinus truncatus. Ishak MM, et al. **Comp Biochem Physiol [B]** 51(4):499–505, 15 Aug 75

Gaba-receptor interactions; models in Helix aspersa neurons. Azanza MJ, et al. **Comp Biochem Physiol [C]** 50(2):155–61, 1 Apr 75

Dopamine, noradrenaline, octopamine and tyrosine-hydroxylase in the gastropod Helix pomatia. Guthrie PB, et al. **Comp Biochem Physiol [C]** 52(2):109–11, 1 Dec 75

The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem. Kinkade ML, et al. **Environ Res** 10(2):308–13, Oct 75

Effects of mammalian insulin on blood glucose level, glucose tolerance, and glycogen content of musculature and hepatopancreas in a gastropod mollusk, Strophocheilus oblongus. Marques M, et al. **Gen Comp Endocrinol** 29(4):522–30, Aug 76

Methylmercury and total mercury concentrations in selected stream biota. pp. 151–5. Cox MF, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Studies on the physiology of excretion in the fresh water prosobranch Pila virens: Part I. Pattern of excretion in the normal & post aestivating P. virens. Shylaja R, et al. **Indian J Exp Biol** 13(4):363–5, Jul 75

Studies on the physiology of excretion in the fresh water proso-branch Pila virens: Part II. Effect of osmotic stress on excretion. Shylaja R, et al. **Indian J Exp Biol** 13(4):366–8, Jul 75

The mobilization of calcium and bicarbonate by raised concentrations of potassium in the haemolymph of the snail, Helix pomatia. Burton RF, et al. **J Exp Biol** 64(3):603–14, Jun 76

The uptake of biogenic monoamines by the isolated auricle of the snail (Helix pomatia). Hiripi L, et al. **J Neurochem** 26(2):335–43, Feb 76

Neurosecretory cell protein metabolism in the land snail, Otala lactea. Loh YP, et al. **J Neurochem** 26(1):25–30, JAN 76

Proceedings: Cellular uptake of transmitters and transmitter precursors in ganglia of Planorbis corneus. Cottrell GA, et al. **J Physiol (Lond)** 251(1):72P–73P, Sep 75

A voltage-sensitive persistent calcium conductance in neuronal somata of Helix. Eckert R, et al. **J Physiol (Lond)** 254(1):129–51, Jan 76

Magnesium emitted by snails alters swimming behaviour of Schistosoma mansoni miracidia. Stibbs HH, et al. **Nature** 260(5553):702–3, 22 Apr 76

Uptake of the mosquito larvicide Temefos by the salt marsh snail, New Jersey—1973–1974. Fitzpatrick G, et al. **Pestic Monit J** 10(1):4–6, Jun 76

Active transport of sugars by the intestine of snail (Cryptomphalus hortensis Müller). Barber A, et al. **Rev Esp Fisiol** 31(2):119–24, Jun 75

Effect of anaerobiosis, dinitrophenol and fluoride on the active intestinal transport of galactose in snail. Barber A, et al. **Rev Esp Fisiol** 31(2):125–30, Jun 75

Sodium dependence of intestinal active transport of sugars in snail (Cryptomphalus hortensis Müller). Barber A, et al. **Rev Esp Fisiol** 31(4):271–5, Dec 75

[Histotopochemical localization of biogenic amines in neurons of the cerebral ganglion of Helix pomatia] Bernocchi G, et al. **Riv Istochim Norm Patol** 18(1–4):123, 1974 **(Ita)**

[Spectrofluorometric and cytochemical research on biogenic amines in the cerebral ganglion of Helix pomatia] Fraschini A, et al. **Riv Istochim Norm Patol** 18(1–4):43–52, 1974 **(Ita)**

[Cytospectrofluorometric analysis of monoamines of the cerebral ganglia in Helix pomatia in conditions of wakefulness and lethargy] Fraschini A, et al. **Riv Istochim Norm Patol** 18(1–4):124, 1974 **(Ita)**

[Dynamic aspects of RNA metabolism in the brain of mollusca during electrical effects] Kuz'min SM, et al. **Zh Evol Biokhim Fiziol** 11(3):274–81, May–Jun 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of salmonellae and other potential pathogens from the freshwater aquarium snail Ampullaria. Bartlett KH, et al. **Appl Environ Microbiol** 31(5):635–9, May 76

Thermal susceptibility of Salmonella in the Moroccan food snail, Helix aspersa. Andrews WH, et al. **J Assoc Off Anal Chem** 58(6):1159–61, Nov 75

PARASITOLOGY

The shredding pattern of three little known African schistosomes under outdoor conditions. Pitchford RJ, et al. **Ann Trop Med Parasitol** 70(2):181–7, Jun 76

Exposure of the snail, Ferrissia sp. (Ancylidae, limpet) to S. hematobium miracidia. Radhawy I. **Bull Endem Dis (Baghdad)** 16(1–2):97–9, 1975

Parasitological studies at a new breeding area of Oncomelania hupensis chiui in Taipei county, Taiwan. Chiu JK, et al. **Chin J Microbiol** 8(2):172–8, Jun 75

Experimental second intermediate hosts for Echinostoma revolutum. Lo CT, et al. **Chin J Microbiol** 8(2):185–7, Jun 75

The results of five years of snail control at Ahero Pilot Scheme, Kenya. Choudhry AW. **East Afr Med J** 52(10):573–7, Oct 75

Studies on the host–parasite relationship on tparagonimus westermani (Kerbert, 1878). III. Incidence of cercariae related to host sex in the snail, Semisulcospira libertina (Gould, 1859) at different seasons. Hamajima F, et al. **Fukuoka Acta Med** 66(12):693–8, Dec 75

Snail intermediate hosts and the prevalence of schistosomiasis in Lusaka, Zambia. Hira PR. **Med J Zambia** 9(5):119–24, Oct–Nov 75

A study on snail location by Fasciola hepatica using radioisotopically labelled miracidia. Nansen P, et al. **Parasitology** 72(2):163–71, Apr 76

Attachment and penetration of miracidia observed by scanning electron microscopy. Blankespoor HD, et al. **Science** 191(4224):291–3, 23 Jan 76

Distribution of Oncomelania hupensis in the Napu Valley of Central Sulawesi, Indonesia. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 6(2):211–8, Jun 75

Parasymphylodora manteri n. sp., an adult trematode from a fresh-water pulmonate snail, Biomphalaria choanomphala choanomphala, from Lake Victoria, Uganda. Goodman JD, et al. **Trans Am Microsc Soc** 95(2):204–9, Apr 76

Letter: Pachydrobia bavayi and Mekong schistosomiasis. Schneider CR, et al. **Trans R Soc Trop Med Hyg** 70(2):169–70, 1976

The suitability of several aquatic snails as intermediate hosts for Angiostrongylus cantonensis. Yousif F, et al. **Z Parasitenkd** 47(3):203–10, 16 Oct 75

[The chronobiology of the cercaria of Ribeiroia marini (Faust and Hoffman, 1934) parasite of Biomphalaria glabrata: effect of the photoperiod on the rhythm of emergence] Théron A. **Acta Trop (Basel)** 32(4):309–16, 1975 (Eng. Abstr.) **(Fre)**

[Role of mollusks as benthos components in the purification of water bodies from the eggs of Ascaris suum] Asitinskaia SE. **Parazitologiia** 9(5):432–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regualtion of gametogenesis in Helix pomatia (Gastropoda, Pulmonata) in the period of natural awakening after hibernation. Bierbauer J. **Acta Biol Acad Sci Hung** 25(3):147–50, 1974

Ion adaptation in, and effect of celluline-like substances on the isolated heart of Helix pomatia L. Kovács A. **Acta Biol Acad Sci Hung** 25(3):181–91, 1974

Heat effects on a marine snail. Hamby RJ. **Biol Bull** 149(2):331–47, Oct 75

The reproductive physiology of the intertidal prosobranch Thais lamellosa (Gmelin). II. Seasonal changes in biochemical composition. Stickle WB. **Biol Bull** 148(3):448–60, Jun 75

Model predictions of the ionic mechanisms underlying the beating and bursting pacemaker characteristics of molluscan neurons. Both R, et al. **Biol Cybern** 23(1):1–11, 18 Jun 76

Effects of 5,7-dihydroxytryptamine on an identified 5-hydroxytryptamine-containing neurone in the central nervous sytem of the snail Helix pomatia. Osborne NN, et al. **Br J Pharmacol** 56(1):29–38, Jan 76

Peptide regulation of neuronal membrane properties. Barker JL, et al. **Brain Res** 103(1):167–70, 13 Feb 76

Myocardial efficiency in the isolated ventricle of the snail, Helix pomatia L. Herold JP. **Comp Biochem Physiol [A]** 52(3):435–40, 1 Nov 75

Effluent-induced interpopulation variation in the thermal tolerance of Physa virgata gould. McMahon RF. **Comp Biochem Physiol [A]** 55(1):23–8, 1976

Change in spike initiation stie in Helix pacemaker neurones. Rasmussen HH. **Comp Biochem Physiol [A]** 54(3):315–7, 1976

Evidence for tissue degrowth in starved freshwater pulmonate snails (Helisoma trivolvis) from tissue, carbon, and nitrogen analyses. Russell-Hunter WD, et al. **Comp Biochem Physiol [A]** 54(4):447–53, 1976

Sites of the barium effect on Helix heart muscle cells. Erdélyi L, et al. **Comp Biochem Physiol [C]** 52(2):133–7, 1 Dec 75

Actions of indolealklamines on single neurones from the brain of Heobania vermiculata. Eusebi F, et al. **Comp Biochem Physiol [C]** 54(1):27–9, 1976

An electrophysiological, pharmacological and fluorescent study on six identified neurones from the brain of Planorbis corneus. Loker JE, et al. **Comp Biochem Physiol [C]** 51(1):83–9, 1 Jun 75

Effects of guanidino compounds on the electrical activity of giant neurons identified in subesophageal ganglia of the African giant snail, Achatina fulica ferussac. Matsumoto M, et al. **Comp Biochem Physiol [C]** 54(2):123–5, 1976

Structure–activity studies on glutamate receptor sites of three identifiable neurones in the sub-oesophageal ganglia of Helix aspersa. Piggott SM, et al. **Comp Biochem Physiol [C]** 51(1):91–100, 1 Jun 75

Role of cyclic nucleotides in the effect of transmitters on the heart of Helix pomatia L. S-Rózsa K, et al. **Comp Biochem Physiol [C]** 53(1):13–6, 1976

Excitation–contraction coupling and intracellular calcium pool in the penis retractor muscle of Helix pomatia. Wabnitz RW. **Comp Biochem Physiol [C]** 54(2):75–80, 1976

The action of gamma-aminobutyric acid (GABA) and related compounds on two identifiable neurones in the brain of the snail Helix aspersa. Walker RJ, et al. **Comp Biochem Physiol [C]** 50(2):147–54, 1 Apr 75

The action of kainic acid and quisqualic acid on the glutamate receptors of three identifiable neurones from the brain of the snail, Helix aspersa. Walker RJ. **Comp Biochem Physiol [C]** 55(1):61–7, 1976

Interaction between two identified cells in the visceral ganglion of the snail, Helix pomatia. Judge SE, et al. **Experientia** 32(5):596–7, 15 May 76

Neural serotonin receptors in active and hibernating helicid snails (Helix lucorum). Sakharov DA, et al. **Experientia** 32(5):588–9, 15 May 76

Histochemical studies on mucosubstances in the prostate gland of the pulmonate snail Semperula maculata in the annual breeding–aestivation cycle. Nanaware SG, et al. **Folia Histochem Cytochem (Krakow)** 14(1):19–38, 1976

The role of the lateral lobes in the control of growth and reproduction in the hermaphrodite freshwater snail Lymnaea stagnalis. Geraerts WP. **Gen Comp Endocrinol** 29(1):97–108, May 76

The control of ovulation in the hermaphroditic freshwater snail Lymnaea stagnalis by the neurohormone of the caudodorsal cells. Geraerts WP, et al. **Gen Comp Endocrinol** 28(3):350–7, Mar 76

Chiasma frequency variation with altitude in Cepaea hortensis (mull.). Price DJ. **Heredity (Lond)** 35(2):221–9, Oct 75

Mechanical properties of contractile elements of smooth muscle. pp. 217–21. Bozler E. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Natural selection of genetic polymorphisms along climatic gradients. pp. 159–84. Nevo E, et al. **In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.**

Some features of adaptation to mechanical injury in the giant 'A' neuron of Limnaea stagnalis. pp 14–34. Pakula A, et al. **In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.**

Habituation in the giant neuron of a mollusk due to repeated intracellular electrical stimulation. pp 35–9. Sokolov EN, et al. **In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.**

Responses of pacemaker neurons in the visceral ganglion of Limnaea stagnalis to intracellular electric shocks. pp 3–13. Sokolov EN, et al. **In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.**

The effect of temperature on the outward currents in the soma of molluscan neurones in voltage-clamp conditions. Masgura IS, et al. **J Exp Biol** 62(2):265–75, Apr 75

Proceedings: Synaptic connexions of serotonin-containing neurones in Planorbis corneus. Berry MS, et al. **J Physiol (Lond)** 251(1):2P–3P, Sep 75

Proceedings: Does the giant cerebral neurone of Helix release two transmitters: ACh and serotonin? Cottrell GA. **J Physiol (Lond)** 259(1):44P–45P, Jul 76

Electrical properties of 'dark green' and 'yellow' neurosecretory cells in the snail Lymnae stagnalis L. Benjamin PR, et al. **Nature** 258(5536):622–3, 18 Dec 75

Inheritance of juvenile shell colour of the oyster drill Urosalpinx cinerea. Cole TJ. **Nature** 257(5529):794–5, 30 Oct 75

Membrane capacitance measurements during acetylcholine action. Dunning BB, et al. **Neuropharmacology** 15(1):73–5, Jan 76

[Remarks on the ecological adaptation of the snail aquatic fauna in saline medium of the Dallol ponds. (Republique du Niger) (author's transl)] Gretillat S, et al. **Ann Parasitol Hum Comp** 50(5):595–601, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Predation of Lymnaea (Galba) truncatula Müller by Zonitoides nitidus Müller (Mollusca Gastropoda Pulmonata) (author's transl)] Rondelaud D. **Ann Parasitol Hum Comp** 50(3):275–86, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Ventricular electrogram of the snail (Helix pomatia) during vagal inhibition] Ripplinger MJ, et al. **C R Acad Sci [D] (Paris)** 281(4):283–6, 28 Jul 75 (Eng. Abstr.) **(Fre)**

[PTZ-induced paroxysmal depolarization shift on Helix p. neurons: mechanism of plateau and pacemaker potentials (author's transl)] Ducreux C, et al. **Pfluegers Arch** 361(1):43–53, 19 Dec 75 (Eng. Abstr.) **(Fre)**

[The potential-dependent nature of the sodium pump of mollusk giant neuron membranes] Kononenko NI. **Neirofiziologiia** 7(4):428–33, 1975 (Eng. Abstr.) **(Rus)**

[Membrane currents induced by entrance of sodium ions into giant mollusk neurons] Kononenko NI, et al. **Neirofiziologiia** 7(5):541–9, 1975 **(Rus)**

[Participation of identified neurons in an unconditioned reflex in snails] Balaban PM, et al. **Zh Vyssh Nerv Deiat** 25(6):1320–3, Nov–Dec 75 **(Rus)**

[Integration of excitation in a mollusk neuron] Grechenko TN. **Zh Vyssh Nerv Deiat** 25(1):190–2, Jan–Feb 75 **(Rus)**

Conditioned defense reactions of the grape snail] Litvinov EG, et al. **Zh Vyssh Nerv Deiat** 26(1):203–6, Jan–Feb 76 **(Rus)**

[The possible role of the heterogeneity of mollusc neuron membranes in the organization of receptive fields] Martinez-Soler R, et al. **Zh Vyssh Nerv Deiat** 26(2):433–5, Mar–Apr 76 **(Rus)**

RADIATION EFFECTS

Effects of gama-radiation on eggs of Pomacea haustrum (Reeve, 1843) from the Pampulha lake, Belo Horizonte, M. G. (prosobranchia, Pilidae). Dos Santos Carvalho O, et al. **Rev Bras Biol** 34(4):565–71, 1974

ULTRASTRUCTURE

Origin and evolution of some organelles during oogenesis in the mud snail Ilyanassa obsoleta. II. The yolk nucleus and the lipochondria. Gérin Y. **Acta Embryol Exp (Palermo)** (1):27–35, 1976

Origin and evolution of some organelles during oogenesis in the mud snail Ilyanassa obsoleta. I. The yolk platelets. Gérin Y. **Acta Embryol Exp (Palermo)** (1):15–26, 1976

Sieve structure of slit diaphragms of podocytes and pore cells of gastropod molluscs. Boer HH, et al. **Cell Tissue Res** 170(2):221–9, 26 Jul 76

Nerve-ending specializations in the central ganglia of Planorbis corneus. Pentreath VW, et al. **Cell Tissue Res** 163(1):99–110, 17 Nov 75

Ultrastructural investigation of the mechanism of muscle attachment to the gastropod shell. Tompa AS, et al. **J Morphol** 149(3):339–52, Jul 76

Proceedings: Nerve-terminal specializations in the central nervous system of Planorbis corneus. Berry MS, et al. **J Physiol (Lond)** 251(1):3P–4P, Sep 75

Studies on the ultrastructure, histochemistry and cytochemistry of the uninfected digestive gland of Bithynia tentaculata (Mollusca: Gastropoda) and on the ultrastructure of this host organ in snails infected with larval digeneans. Reader TA. **Z Parasitenkd** 50(1):11–30, 27 Jul 76

[The perforation organ of Thais lapillus L. (Gasteropodes, Prosobranches). Optical and electron microscopic study] Derer M. **Arch Anat Microsc Morphol Exp** 64(1):1–26, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

SNAKE BITES

Letter: Snake bite in Britain. Jones RV. **Br Med J** 2(6027):106, 10 Jul 76

Adder bites in Britain. Reid HA. **Br Med J** 2(6028):153–6, 17 Jul 76

Boomslang bite with haemorrhage and activation of complement by the alternate pathway. Nicolson IC, et al. **Clin Exp Immunol** 16(2):295–300, Feb 74

Snakes and snakebites. Chracteristics, management and prognosis. Hopkins LT Jr. **J Kans Med Soc** 77(5):193–6, May 76

Case report: recovery from western diamondback rattler bite to mouth. Pfeiffer RB Jr, et al. **Postgrad Med** 59(5):283–6, May 76

Neurotoxic effects of bites by the Egyptian cobra (Naja haje) in Nigeria. Warrell DA, et al. **Trans R Soc Trop Med Hyg** 70(1):78–9, 1976

BLOOD

Letter: Human snake bite victims. Sutherland SK, et al. **Med J Aust** 1(1–2):34–5, 3–10Jan 76

Proceedings: Haemostatic changes following snake bite by Echis carinatus; trial of heparin. Prentice CR, et al. **Thromb Diath Haemorrh** 34(1):350–1, 30 Sep 75

COMPLICATIONS

Disseminated intravascular coagulation caused by the carpet viper (Echis carinatus): trial of heparin. Warrell DA, et al. **Br J Haematol** 33(3):335–42, Jul 76

Letter: Myopathy after Australian snake bite. Campbell CH. **Med J Aust** 1(1–2):34, 3–10Jan 76

Acute renal failure with myoglobinuria after tiger snake bite. Hood VL, et al. **Med J Aust** 2(16):638–41, 18 Oct 75

External ophthalmoplegia in elapidae bites and its response to neostigmine. Ramakrishnan MR, et al. **Neurol India** 23(2):109–10, Jun 75

Necrosis, haemorrhage and complement depletion following bites by the spitting cobra (Naja nigricollis). Warrell DA, et al. **Q J Med** 45(177):1–22, Jan 76

[Note on a case of venimous infarction of the orbit] Mechain M, et al. **Rev Int Trach** 51(4):43–4, 1974 **(Fre)**

DIAGNOSIS

Snake bites: a review. Strickland NE. **J Arkansas Med Soc** 73(1):69–77, Jun 76

Letter: Human snake bite victims. Russell FE. **Med J Aust** 2(24):917, 13 Dec 75

DRUG THERAPY

Letter: Bites from black snakes. Barker DJ, et al. **Br Med J** 1(6025):1591, 26 Jun 76

Agkistrodon halys bite treated with specific antivenin. Observation of 530 cases. **Chin Med J [Engl]** 2(1):59–62, Jan 76

Copperhead bites: update on therapy. Krochmal L, et al. **Mo Med** 73(4):169–72, 178, Apr 76

Snake antivenin. **Natl Clgh Poison Control Cent Bull** :1, Nov–Dec 75

Experimental studies on curing elapid bite with trypsin. Yü-liang H, et al. **Sci Sin** 18(3):396–405, May–Jun 75

Proceedings: Pharmacological screening of snake bite remedies. Giwa SO, et al. **West Afr J Pharmacol Drug Res** 2(1):66P, Jun 75

IMMUNOLOGY

Immunological properties of antivenins. I. Bivalent Cerastes cerastes and Cerastes vipera antivenin. Hassan F, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1031–4, Nov 75

Boomslang bite with haemorrhage and activation of complement by the alternate pathway. Nicolson IC, et al. **Clin Exp Immunol** 16(2):295–9, Feb 74

OCCURRENCE

Bites by the night adder (Causus maculatus) and burrowing vipers (genus Atractaspis) in Nigeria. Warrell DA, et al. **Am J Trop Med Hyg** 25(3):517–24, May 76

[Snake bites in the People's Democratic Republic of Yemen] Tautenhahn E, et al. **Z Aerztl Fortbild (Jena)** 69(10):554–5, 15 May 75 **(Ger)**

PATHOLOGY

A clinico–pathologic study of snakebite cases. Tembe VS, et al. **J Postgrad Med** 21(1):36–47, Jan 75

PHYSIOPATHOLOGY

Natural resistance of bovine animals to Micrurus migrocinctus venom. Bolaños R, et al. **Toxicon** 13(5):369–79, Nov 75

SURGERY

Early debridement in pit viper bites. Glass TG Jr. **JAMA** 235(23k0):2513–6, 7 Jun 76

THERAPY

Results of treatment of Crotalus envenomation. Arnold RE. **Am Surg** 41(10):643–7, Oct 75

Snakebite in Arizona. Boyden TW. **Ariz Med** 33(7):551–3, Jul 76

Treatment of snake bite in Australia and Papua New Guinea. Sutherland SK. **Aust Fam Physician** 5(3):272–88, Apr 76

Bites by puff-adder (Bitis arietans) in Nigeria, and value of antivenom. Warrell DA, et al. **Br Med J** 4(5998):697–700, 20 Dec 75

Poisonous snakebite: a review. 2. Symptomatology and treatment. Van Mierop LH. **J Fla Med Assoc** 63(3):201–10, Mar 76 (44 ref.)

Effectiveness of Zagreb antivenom against envenoming by the adder, Vipera berus. Theakston RD, et al. **Lancet** 2(7977):121–3, 17 Jul 76

Letter: Snake bite. Gray FJ. **Med J Aust** 2(3):111, 19 Jul 75

Diagnosis and management of envenomation by poisonous snakes. Wingert WA, et al. **South Med J** 68(8):1015–26, Aug 75 (26 ref.)

Control of antivenom treatment in Echis carinatus (Carpet Viper) poisoning. Swinson C. **Trans R Soc Trop Med Hyg** 70(1):85–7, 1976

VETERINARY

Snakebite in the horse. Fitzgerald WE. **Aust Vet J** 51(1):37–9, Jan 75

Brown snake bite in horses in south-eastern Queensland. Pascoe RR. **J S Afr Vet Assoc** 46(1):129–31, Mar 75

SNAKE VENOMS

Accumulation of some secretory enzymes in venom glands of Vipera palaestinae. Brown RS, et al. **Am J Physiol** 229(6):1675–9, Dec 75

Rattlesnake venom shock in the rat: development of a method. Carlson RW, et al. **Am J Physiol** 229(6):1668–74, Dec 75

Immunological properties of antivenins. II. Univalent Naja haje antivenin. Hassan F, et al. **Am J Trop Med Hyg** 25(2):347–50, Mar 76

Snake venom ophthalmia and blindness caused by the spitting cobra (Naja nigricollis) in Nigeria. Warrell DA, et al. **Am J Trop Med Hyg** 25(3):525–9, May 76

Results of treatment of Crotalus envenomation. Arnold RE. **Am Surg** 41(10):643–7, Oct 75

Electron microscopical study of the hemorrhage induced by the venom of Trimeresurus flavoviridis. Tsuchiya M, et al. **Bibl Anat** 13:190–1, 1975

Cinematographic analysis of the hemorrhage induced by the venom of Trimeresurus flavoviridis. Tsuchiya M, et al. **Bibl Anat** 13:192–3, 1975

Trypsin-activated complex of human factor B with cobra venom factor (CVF), cleaving C3 and C5 and generating a lytic factor for unsensitized guinea pig erythrocytes. I. Generation of the activated complex. Miyama A, et al. **Biken J** 18(4):193–204, Dec 75

Trypsin-activated complex of human factor B with cobra venom factor (CVF), cleaving C3 and C5 and generating a lytic factor for unsensitized guinea pig erythrocytes. II. Physico-chemical characterization of the activated complex. Miyama A, et al. **Biken J** 18(4):205–14, Dec 75

Structural properties of mojave toxin of crotalus scutulatus (Mojave rattlesnake) determined by laser Raman spectroscopy. Tu AT, et al. **Biochem Biophys Res Commun** 68(4):1139–45, 23 Feb 76

Preparation and activity of guanidinated or acetylated erabutoxins. Hori H, et al. **Biochem J** 153(2):217–22, 1 Feb 76

The activation of factor V by factor Xa or alpha-chymotrypsin and comparison with thrombin and RVV-V action. An improved factor V isolation procedure. Smith CM, et al. **Biochemistry** 15(9):1830–8, 4 May 76

A phospholipase A2 with anticoagulant activity. I. Isolation from Vipera berus venom and properties. Boffa GA, et al. **Biochim Biophys Acta** 429(3):828–38, 13 May 76

Reinterpretation of luminiscence properties of neurotoxins from the venom of Middle-Asian corba Naja oxiana eichw. Bukolova-Orlova TG, et al. **Biochim Biophys Acta** 439(2):426–31, 9 Aug 76

An essential tryptophan in the active site of phospholipase A2 from the venom of Bitis gabonica. Viljoen CC, et al. **Biochim Biophys Acta** 438(2):424–36, 8 Jul 76

Disseminated intravascular coagulation caused by the carpet viper (Echis carinatus): trial of heparin. Warrell DA, et al. **Br J Haematol** 33(3):335–42, Jul 76

Modified 5'-nucleotides resistant to 5'-nucleotidase: isolation of 3-(3-amino-3-carboxypropyl) uridine 5'-phosphate and N2, N2-dimethylguanosine 5'-phosphate from snake venom hydrolysates of transfer RNA. Gray MW. **Can J Biochem** 54(5):413–22, May 76

Snake venom toxins. The amino-acid sequences of three toxins (CM-8, CM-11 and CM-13a) from Naja haje annulifera (Egyptian cobra) venom. Joubert FJ. **Eur J Biochem** 64(1):219–32, 15 Apr 76

Amino acid sequence of cardiotoxin from the venom of Naja naja atra. Hayashi K, et al. **FEBS Lett** 66(2):210–4, 15 Jul 76

Snake venom proteinase inhibitors. III. Isolation of five polypeptide inhibitors from the venoms of Hemachatus haemachatus (Ringhal's corbra) and Naja nivea (Cape cobra) and the complete amino acid sequences of two of them. Hokama Y, et al. **J Biochem (Tokyo)** 79(3):559–78, Mar 76

Proceedings: Structure studies of a sea snake neurotoxin 'erabutoxin b'. Low BW. **J Biochem (Tokyo)** 79(4):27P, Apr 76

Activation of human prothrombin by a procoagulant fraction from the venom of Echis carinatus. Identification of a high molecular weight intermediate with thrombin activity. Franza BR Jr, et al. **J Biol Chem** 250(17):7057–68, 10 Sep 75

Kinetic study of the action of snake venom phospholipase A2 on human serum high density lipoprotein 3. Pattnaik NM, et al. **J Biol Chem** 241(7):1984–90, 10 Apr 76

Poisonous snakebite: a review. 1. Snakes and their venom. Van Mierop LH. **J Fla Med Assoc** 63(3):191–200, Mar 76 (33 ref.)

Antivenom activity of rattlesnake blood plasma. Straight R, et al. **Nature** 261(5557):259–60, 20 May 76

Cobra venom factor: evidence for its being altered cobra C3 (the third component of complement). Alper CA, et al. **Science** 191(4233):1275–6, 26 Mar 76

Activation of bovine prothrombin by an activator isolated from Echis carinatus venom. Morita T, et al. **Thromb Res** 8(2 suppl):59–65, May 76

Enzymatic characteristics of crotalus phospholipase A2 and the crotoxin complex. Breithaupt H. **Toxicon** 14(3):221–33, 1976

Venom extraction and yields from the North American coral snake, Micrurus fulvius. Fix JD, et al. **Toxicon** 14(2):143–5, 1976

Cryosorptive pumping as a method of lyophilization and vacuum desiccation of snake venom. Fix JD. **Toxicon** 14(3):235–7, 1976

Nitration of tyrosine in three cobra neurotoxins. Karlsson E, et al. **Toxicon** 14(4):295–306, 1976

Chromatographic separation of the venom of Egyptian black snake (Walterinnesia aegyptia) and pharmacological characterization of its components. Lee CY, et al. **Toxicon** 14(4):275–81, 1976

A neurotoxic component of the venom from Blanding's tree snake (Boiga blandingi). Levinson SR, et al. **Toxicon** 14(4):307–12, 1976

Action of antisera against homologous and heterologous snake venom phospholipases A2. Nair BC, et al. **Toxicon** 13(6):453–6, Dec 75

Control of antivenom treatment in Echis carinatus (Carpet Viper) poisoning. Swinson C. **Trans R Soc Trop Med Hyg** 70(1):85–7, 1976

Neurotoxic effects of bites by the Egyptian cobra (Naja haje) in Nigeria. Warrell DA, et al. **Trans R Soc Trop Med Hyg** 70(1):78–9, 1976

Purification of a human serum protein ('factor E') which enhances cobra venom factor-induced indirect lysis. Identification with the fifth component of complement. Lynen R, et al. **Z Immunitaetsforsch** 151(2):105–16, Apr 76

[Basic phospholipase of Naja nigricollis venom] Dumarey C, et al. **C R Acad Sci [D] (Paris)** 280(13):1633–5, 7 Apr 75 (Eng. Abstr.) **(Fre)**

[Note on a case of venimous infarction of the orbit] Mechain M, et al. **Rev Int Trach** 51(4):43–4, 1974 **(Fre)**

[The primary structure of crotamine (author's transl)] Laure CJ. **Hoppe Seylers Z Physiol Chem** 356(2):213–5, Feb 75 (Eng. Abstr.) **(Ger)**

[Effect of a 'direct' hemolytic factor and phospholipse A2 from Middle-Asian cobra venom on erythrocytes] Iukel'son LiA, et al. **Biokhimiia** 40(4):698–702, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Analytical studies on crotamine hydrochloride. Giglio JR. **Anal Biochem** 69(1):207–21, Nov 75

The complex toxic components of the Russell's viper venom. Bolar HV, et al. **Biochem Biophys Res Commun** 70(2):573–7, 17 May 76

Studies on the status of disulfide linkages and tyrosine residues in cardiotoxin. Keung WM, et al. **Biochem Biophys Res Commun** 66(1):383–92, 2 Sep 75

On the subunit structure of crotoxin: hydrodynamic and shape properties of crotoxin, phospholipase A and crotapotin. Paradies HH, et al. **Biochem Biophys Res Commun** 66(2):496–504, 16 Sep 75

Purification and properties of a kininogenin from the venom of Vipera ammodytes ammodytes. Bailey GS, et al. **Biochem J** 153(2):409–14, 1 Feb 76

Isolation, properties and amino acid sequences of three neurotoxins from the venom of a sea snake, Aipysurus laevis. Maeda N, et al. **Biochem J** 153(1):79–87, 1 Jan 76

Purification, characterization, and partial amino acid sequence of nerve growth factor from cobra venom. Hogue-Angeletti RA, et al. **Biochemistry** 15(1):26–34, 13 Jan 76

A heat stable paraoxonase (O,O-diethyl O-p-nitrophenyl phosphate O-p-nitrophenyl hydrolase) from Russell's viper venom. Mende TJ, et al. **Biochemistry** 14(17):3913–6, 26 Aug 75

Comparison of the nerve growth factor proteins from cobra venom (Naja naja) and mouse submaxillary gland. Server AC, et al. **Biochemistry** 15(1):35–9, 13 Jan 76

Isolation and characterization of three phospholipases A from the crotoxin complex. Breithaupt H, et al. **Biochim Biophys Acta** 403(2):355–69, 22 Oct 75

Snake venom toxins. The primary structure of protein S4C11. A neurotoxin homologue from the venom of forest cobra (Naja melanoleuca). Carlsson FH. **Biochim Biophys Acta** 400(2):310–21, 19 Aug 75

Properties of nerve growth factor from the venom of Bothrops atrox. Glass RE, et al. **Biochim Biophys Acta** 405(1):23–6, 9 Sep 75

Fibrinogenolytic enzymes of Trimeresurus mucrosquamatus venom. Ouyang C, et al. **Biochim Biophys Acta** 420(2):298–308, 20 Feb 76

Purification and characterization of the fibrinolytic principle of Agkistrodon acutus venom. Ouyang C, et al. **Biochim Biophys Acta** 439(1):146–33, 19 Jul 76

Purification and characterization of phosphodiesterase I from Bothrops atrox. Philipps GR. **Biochim Biophys Acta** 432(2):237–44, 3 May 76

Distribution of elastase-like enzyme activity among snake venoms. Bernick JJ, et al. **Comp Biochem Physiol [B]** 54(1):51–4, 1976

Amino-acid sequence of toxin III of Naja haje. Kopeyan C, et al. **Eur J Biochem** 58(1):117–22, 1 Oct 75

The primary structure of a major polypeptide component from the venom of Naja melanoleuca. Shipolini RA, et al. **Eur J Biochem** 56(2):449–54, 15 Aug 75

The purification and amino acid sequence of toxin CM–13b from Naja haje annulifera (Egyptian cobra) venom. Joubert FJ. **Hoppe Seylers Z Physiol Chem** 356(12):1901–8, Dec 75

The amino acid sequence of toxin V II 2, a cytotoxin homologue from banded Egyptian cobra (Naja haje annulifera) venom. Joubert FJ.
Hoppe Seylers Z Physiol Chem 356(12):1893–1900, Dec 75

Purification and characterization of phosphodiesterase from Crotalus venom. Philipps GR.
Hoppe Seylers Z Physiol Chem 356(7):1085–96, Jul 75

Laser Raman spectroscopy of snake venom neurotoxins: conformation. Tu AT, et al. **Int J Pept Protein Res** 8(4):337–43, 1976

Kinetic analysis of phospholipase A2 activity toward mixed micelles and its implications for the study of lipolytic enzymes. Deems RA, et al. **J Biol Chem** 250(23):9013–20, 10 Dec 75

Characterization and physical properties of the major form of phospholipase A2 from cobra venom (Naja naja naja) that has a molecular weight of 11,000. Deems RA, et al. **J Biol Chem** 250(23):9008–12, 10 Dec 75

Amino acid sequence of a presynaptic neurotoxin from the venom of Notechis scutatus scutatus (Australian tiger snake). Halpert J, et al. **J Biol Chem** 250(17):6990–7, 10 Sep 75

The thrombin–like enzyme from Bothrops atrox snake venom. Properties of the enzyme purified by affinity chromatography on p–aminobenzamidine–substituted agarose. Holleman WH, et al. **J Biol Chem** 251(6):1663–9, 25 Mar 76

Rapid purification of phospholipase A2 from Crotalus adamanteus venom by affinity chromatography. Rock CO, et al. **J Biol Chem** 250(16):6564–6, 25 Aug 75

Characterization of crystals of two venom phospholipases A2. Pasek M, et al. **J Mol Biol** 97(3):395–7, 25 Sep 75

Thrombin–like enzymes of snake venoms: actions on prothrombin. Pirkle H, et al. **Thromb Res** 8(5):619–27, May 76

Preliminary studies on the neurotoxin in the venom of Crotalus scutulatus (Mojave rattlesnake). Hendon RA. **Toxicon** 13(6):477–82, Dec 75

Temperature stability of phospholipase A activity. II. Variations in optimum temperature of phospholipases A2 from various snake venoms. Nair BC, et al. **Toxicon** 14(1):43–7, 1976

Snake venom NAD nucleosidase: its occurrence in the venoms from the genus Agkistrodon and purification and properties of the enzyme from the venom of A. halys blomhoffii. Tatsuki T, et al. **Toxicon** 13(4):211–20, Aug 75

Spectral properties of Bitis gabonica venom phospholipase A2 in the presence of divalent metal ion, substrate and hydrolysis products. Viljoen CC, et al. **Toxicon** 13(5):343–51, Nov 75

[Immunochemistry of Bothrops venoms. I. Comparative analysis of the antigenic components of 6 species of venoms against their respective antivenins by use of double diffusion and immunoelectrophoresis technics in agar gel] Siles Villarroel M, et al. **Mem Inst Butantan** 38:13–30, 1974 (Eng. Abstr.) **(Por)**

[Immunochemistry of Bothrops venoms. II. Comparative analysis of the common antigenic components of 6 species of Bothrops venoms] Siles Villarroel M, et al.
Mem Inst Butantan 38:31–40, 1974 (Eng. Abstr.) **(Por)**

[Use of snake venom immobilized phosphodiesterase for analysis of the nucleotide composition of oligodesoxyribonucleotides] Kagramanova VK, et al.
Biokhimiia 41(2):394–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Isolation of highly purified ribonuclease from cobra (Naja oxiana) venom] Vasilenko SK, et al. **Biokhimiia** 40(3):578–83, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Preparatory extraction of 5'–oligoribonucleotides using ribonuclease from cobra venom] Vasilenko SK, et al.
Biokhimiia 41(2):260–3, Feb 76 (Eng. Abstr.) **(Rus)**

[Populational differences in venom composition in the snake Vipera lebetina turanica] Turakulov YK, et al.
Zh Evol Biokhim Fiziol 11(3):316–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Neutralization of old world viper venoms by American pit viper antivenin. Minton SA. **Toxicon** 14(2):146–8, 1976

[Inhibition by heparin of the ganglionic–blocking and cardiotoxic effect of Central Asian cobra venom] Sergeeva LT, et al. **Biol Nauki** (8):36–40, 1975 **(Rus)**

BLOOD

Letter: Human snake bite victims. Sutherland SK, et al. **Med J Aust** 1(1–2):34–5, 3–10Jan 76

DIAGNOSTIC USE

Significance of a prothrombin assay method using Echis carinatus venom for diagnostic information in disseminated intravascular coagulation syndrome. Sakuragawa N, et al. **Thromb Res** 7(4):643–53, Oct 75

Changes of prothrombin assayed by the method using Echis carinatus venom in experimental disseminated intravascular coagulation and a clinical case. Sakuragawa N, et al.
Thromb Res 8(5):697–701, May 76

ISOLATION & PURIFICATION

Isolation and purification of the toxic fractions of Mojave rattlesnake venom. Pattabhiraman TR, et al. **Toxicon** 13(4):291–4, Aug 75

METABOLISM

Activation of crotoxin B by volvatoxin A2. Jeng TW, et al. **Biochem Biophys Res Commun** 70(4):1324–8, 21 Jun 76

On the interaction between cobra alpha–neurotoxin and the acetylcholine receptor. Maelicke A, et al.
Cold Spring Harbor Symp Quant Biol 40:231–5, 1975

Acetylcholinesterase from Bungarus fasciatus venom–I. Substrate specificity. Kumar V, et al.
Comp Biochem Physiol [C] 51(2):249–53, 1 Aug 75

Acetylcholinesterase from bungarus fasciatus venom–II. Effects of pH and temperature. Kumar V, et al.
Comp Biochem Physiol [C] 51(2):255–8, 1 Aug 75

The role of phospholipase activity in the action of a presynaptic neurotoxin from the venom of Notechis scutatus scutatus (Australian tiger snake). Halpert J, et al.
FEBS Lett 61(1):72–6, 01 Jan 76

Inactivation of Formosan snake venoms in vitro by the crude extract of Aristolochia radix. Tsai LH, et al.
J Formosan Med Assoc 74(5):352–60, May 75

Evidence for endocytotic uptake of cobra neurotoxin in mouse skeletal muscle. Libelius R. **J Neural Transm** 37(1):61–71, 1975

Further studies on the binding properties of cobra neurotoxin to cholinergic receptors in mouse skeletal muscle. Libelius R, et al. **J Neural Transm** 37(2):165–74, 1975

PHARMACODYNAMICS

Therapeutic defibrination by Bothrops marajoensis–venom. Matsuda T, et al. **Acta Haematol Jpn** 38(3):299–305, Jun 75

ADP, thrombin, and Bothrops atrox thrombinlike enzyme in platelet–dependent fibrin retraction. Niewiarowski S, et al. **Am J Physiol** 229(3):737–45, Sep 75

Molecular mechanism of cardiotoxin action on axonal membranes. Vincent JP, et al. **Biochemistry** 15(15):3171–5, 27 Jul 76

The effect of several viper venoms on prothrombin Padua. Girolami A, et al. **Blut** 31(3):155–60, Sep 75

Alpha–bungarotoxin, cobra neurotoxin and excitation of Renshaw cells by acetylcholine. Duggan AW, et al.
Brain Res 107(1):166–70, 30 Apr 76

Immunosuppression by cobra factor: distribution, antigen–induced blast transformation and trapping of lymphocytes during in vivo complement depletion. Pepys MB, et al. **Cell Immunol** 21(2):327–36, Feb 76

A presynaptic effect of whole venom of Dendroaspis jamesoni on the hemidiaphragm of rat. Telang BV, et al.
Experientia 32(7):886–7, 1976

Ceruleotoxin: an acidic neurotoxin from the venom of Bungarus caeruleus which blocks the response to a cholinergic agonist without binding to the cholinergic receptor site. Bon C, et al. **FEBS Lett** 59(2):212–6, 15 Nov 75

Dissociation of anticomplementary and adjuvant properties of proteins derived from cobra venom. Morrison DC, et al. **Immunology** 30(3):317–23, Mar 76

The mechanism of activation of bovine prothrombin by an activator isolated from Echis carinatus venon and characterization of the new active intermediates. Morita T, et al. **J Biochem (Tokyo)** 79(5):1089–108, May 76

The effect of a cardiotoxic component of the venom of the indian cobra (Naja nigricollis) on the subcellular structure and function of heart muscle. Nayler WG, et al.
J Mol Cell Cardiol 8(5):341–60, May 76

The role of complement in initial gingivitis. I. The effect of decomplementation by cobra venom factor Kahnberg KE, et al. **J Periodont Res** 11(5):269–78, Sep 76

Some pharmacological properties of the venom, venom fractions and pure toxin of the yellow–bellied sea snake Pelamis platurus. Tu T, et al. **J Pharm Pharmacol** 28(2):139–45, Feb 76

Mechanism of action of cobra cardiotoxin in the skeletal muscle. Lin Shiau SY, et al. **J Pharmacol Exp Ther** 196(3):758–70, Mar 76

Mechanism of action of cobra cardiotoxin in the skeletal muscle. Shiau SY, et al. **J Pharmacol Exp Ther** 196(3):758–70, Mar 76

Proceedings: Functional denervation of skeletal muscle in the mouse after the local injection of a post–synaptic blocking fraction of Naja siamensis venom. Duchen LW, et al. **J Physiol (Lond)** 250(1):26P–27P, Aug 75

The cytolytic effect of cobra cardiotoxin on Ehrlich ascites tumor cells and its inhibition by Ca2+. Leung WW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):193–8, 25 Feb 76

Effect of cobra neurotoxin on retention of a brightness discrimination in rats. Moss DE, et al.
Pharmacol Biochem Behav 3(6):1147–8, Nov–Dec 75

Acetylcholine receptors at neuromuscular synapses: phylogenetic differences detected by snake alpha–neurotoxins. Burden SJ, et al.
Proc Natl Acad Sci USA 72(8):3245–9, Aug 75

Use of the denervated guinea pig diaphragm to elucidate the site of action of selected sea snake venoms. Maeda RH Jr, et al. **Proc West Pharmacol Soc** 18:335–8, 1975

Proceedings: The isolation of prothrombin fragments from plasma clotted with Russell viper venom (RVV). Aronson DL, et al. **Thromb Diath Haemorrh** 34(2):560, 15 Nov 75

Clot–inducing substances present in snake venoms with particular reference to Echis carinatus. Denson KW.
Thromb Res 8(3):351–60, Mar 76

Detection and measurement of low levels of prothrombin. Use of a procoagulant from Echis carinatus venom. Franza BR Jr, et al. **Thromb Res** 8(3):329–36, Mar 76

Sensitivity of cultured embryonic heart cells to cardiotoxin obtained from Naja naja siamensis venom. Arms K, et al.
Toxicon 13(5):333–8, Nov 75

Postsynaptic blockade of neuromuscular transmission by toxin II from the venom of the South African ringhals cobra (Hemachatus haemachatus). Bengis RG, et al.
Toxicon 14(3):167–73, 1976

The role of complex formation in the neurotoxicity of crotoxin components A and B. Hendon RA, et al.
Toxicon 14(4):283–9, 1976

Electrophysiological effects of cobra cardiotoxin on rabbit heart cells. Ho CL, et al. **Toxicon** 13(6):437–46, Dec 75

The chemistry and biological effects of cardiotoxin from the Chinese cobra (N. naja Linn.) on hormonal responses in isolated cell systems. Keung WM, et al. **Toxicon** 13(4):239–51, Aug 75

High tolerance to snake venom by the virginia opossum, Didelphis virginiana. Kilmon JA Sr. **Toxicon** 14(4):337–40, 1976

Dysmella in mice after maternal Naja nigricollis envenomation: a case report. Mohamed AH, et al.
Toxicon 13(6):475–7, Dec 75

Histopathological and histochemical effects of Naja haje venom on kidney tissue of mice. Mohamed AH, et al.
Toxicon 13(6):409–13, Dec 75

Effect of heparin on the coagulant action of snake venoms. Nahas L, et al. **Toxicon** 13(6):457–63, Dec 75

Acetylcholine release from the nerve terminals of the guinea–pig ileum by Naja venoms. Osman OH, et al.
Toxicon 14(2):127–32, 1976

The effects of the purified thrombin–like enzyme and anticoagulant principle of Trimeresurus gramineus venom on blood coagulation in vivo. Outany C, et al. **Toxicon** 14(3):197–201, 1976

The effects of the purified thrombin–like and anticoagulant principles of Agkistrodon acutus venom on blood coagulation in vivo. Ouyang C, et al. **Toxicon** 14(1):49–54, 1976

The effects of lethal components of Dendroaspis jamesoni snake venom on neuromuscular transmission and on muscle membrane permeability. Patel R, et al. **Toxicon** 13(4):295–304, Aug 75

Mechanism of action of Jameson's mamba venom on the superior cervical ganglion of cat. Telang BV, et al.
Toxicon 14(1):15–26, 1976

Studies on the central vasomotor reflexes in cats after intraventricular administration of whole venom of Dendroaspis jamesoni. Telang BV, et al. **Toxicon** 14(2):133–8, 1976

Proceedings: Pharmacology of Bitis arietans venom. Gumaa KA, et al. **West Afr J Pharmacol Drug Res** 2(1):92P–93P, Dec 74

Proceedings: In vitro studies of puff adder (Bitis artertas) venom. Okonkwo PO, et al.
West Afr J Pharmacol Drug Res 2(1):76P, Jun 75

Proceedings: Effects of arvin on rabbit coagulation and fibrinolytic systems after blockade of its R.E.S. Satti AG.
West Afr J Pharmacol Drug Res 2(1):109P, Dec 74

[Clinical prescription of botropase, an antihaemorrhagic drug (author's transl)] Marti T. **Praxis** 64(41):1324–8, 14 Oct 75 (Eng. Abstr.) **(Ger)**

[Activity against clotting and platelet aggregation of the anticoagulant fraction of venom from Agkistrodon rhodostoma] Marmo E, et al. **Clin Ter** 75(2):117–39, 31 Oct 75 **(Ita)**

[Experimental analysis of the effects of the anticoagulant fraction of Agkistrodon rhodostoma venom on the heart, the vascular and respiratory systems and on certain muscles] Mirmo E, et al. **Minerva Cardioangiol** 23(10):648–74, Oct 75 **(Ita)**

[Role of calcium ions and fatty acids in the inhibition of Mg2+, Na+ and K+–ATPases by means of the 'direct' hemolysin and phospholipase A of cobra venom] Mirsalikhova NM, et al. **Ukr Biokhim Zh** 47(1):61–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

POISONING

Diagnosis and management of envenomation by poisonous snakes. Wingert WA, et al. **South Med J** 68(8):1015–26, Aug 75 (26 ref.)

[Analysis of disorders of the functional state of various sections of the central nervous system under the influence of Central Asian cobra venom] Orlov BN, et al.
Biol Nauki (8):30–5, 1975 **(Rus)**

RADIATION EFFECTS

Irradiated cobra (Naja naja) venom for biomedical applications. pp. 253–62. Kankonkar SR, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

THERAPEUTIC USE

Letter: Drug use in a pain rehabilitation center. Fong GR.
Am J Hosp Pharm 32(11):1083, Nov 75

The effect of ecarin- defibrinating enzyme isolated from Echis carinatus - on experimental arterial thrombosis. Kornalik F, et al. **Thromb Res** 7(4):611-21, Oct 75

[Radioprotective properties of Central Asian snake venoms] Khalikov SK, et al. **Radiobiologiia** 15(6):910-3, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Nephrotoxic action of rattlesnake and sea snake venoms: an electron-microscopic study. Schmidt ME, et al. **J Pathol** 118(2):75-81, Feb 76

Neurotoxic and myotoxic effects of crotalus phospholipase A and its complex with crotapotin. Breithaupt H. **Naunyn Schmiedebergs Arch Pharmacol** 292(3):271-8, 16 Mar 76

Natural resistance of bovine animals to Micrurus migrocinctus venom. Bolaños R, et al. **Toxicon** 13(5):369-79, Nov 75

Central neurotoxicity of apamin, crotamin, phospholipase A and alpha-amanitin. Habermann E, et al. **Toxicon** 13(6):465-73, Dec 75

SNAKES

Polysaccharides, proteins, nucleic acids, enzymes and sulfate uptake of the gastric epithelial cells of Xenodon merremii Wagler, 1824 (Ophidia): an histochemical and autoradiographic study. Ferri S, et al. **Acta Histochem (Jena)** 54(2):175-82, 1975

Bites by the night adder (Causus maculatus) and burrowing vipers (genus Atractaspis) in Nigeria. Warrell DA, et al. **Am J Trop Med Hyg** 25(3):517-24, May 76

Snake venom ophthalmia and blindness caused by the spitting cobra (Naja nigricollis) in Nigeria. Warrell DA, et al. **Am J Trop Med Hyg** 25(3):525-9, May 76

Letter: Bites from black snakes. Barker DJ, et al. **Br Med J** 1(6025):1591, 26 Jun 76

None on the biology of Hydrophitrema gigantica Sandars, 1960 (Trematoda: Hemiuridae) from the lung of sea snakes (Hydrophis cyanocinctus). Ko RC, et al. **Can J Zool** 53(8):1181-4, Aug 75

The chromosomal localisation of satellite DNA in Ptyas mucosus (Ophidia, Colubridae). Singh L, et al. **Chromosoma** 57(2):177-84, 17 Aug 76

Malignant chromatophoroma in a western terrestrial garter snake. Frye FL, et al. **J Am Vet Med Assoc** 167(7):557-8, 1 Oct 75

Credibility ratings for desensitization and pseudotherapy among moderately and mildly snake-avoidant college students. Mcglynn FD, et al. **J Clin Psychol** 32(1):140-5, Jan 76

Heart-rate responses to snakes among behaviorally avoidant and nonavoidant college students. Mcglynn FD, et al. **J Clin Psychol** 32(1):136-40, Jan 76

Effects of graduated exposure with feedback of exposure times on snake phobias. Becker HG, et al. **J Consult Clin Psychol** 43(4):478-84, Aug 75

Effect of subject control and graduated exposure on snake phobias. Hepner A, et al. **J Consult Clin Psychol** 43(3):297-304, Jun 75

Proteins toxic to arthropods in the venom of elapid snakes. Zlotkin E, et al. **J Insect Physiol** 21(9):1605-11, Sep 75

Effect of cobra venom factor on the in vivo immune response in Galleria mellonella to Pseudomonas aeruginosa. Aston WP, et al. **J Invertebr Pathol** 27(2):171-6, Mar 76

Algal infection in a corn snake (Elaphe guttata guttata). Crispens CG Jr, et al. **Lab Anim Sci** 25(6):788-9, Dec 75

Mortality in red-sided garter snakes, Thamnophis sirtalis parietalis, due to larval nematode, Eustrongylides sp. Lichtenfels JR, et al. **Lab Anim Sci** 26(3):465-7, Jun 76

The spurting of erythrocytes through junctions of the vascular endothelium treated with snake venom. Osaka A, et al. **Microvasc Res** 10(2):208-13, Sep 75

Viper venoms and coumarin-induced prothrombin. A comparison of several one-stage methods employing three different venoms as thromboplastins. Girolami A, et al. **Ric Clin Lab** 6(7):55-68, Jan-Mar 76

Arizona septicemia in three boa constrictors. Boever WJ, et al. **Vet Med Small Anim Clin** 70(11):1357-9, Nov 75

Gentamicin-related visceral gout in two bold snakes. Jacobson ER. **Vet Med Small Anim Clin** 71(3):361-3, Mar 76

Exophthalmia in a rhinoceros viper (Bitis nasicornis). Cooper JE. **Vet Rec** 97(7):130-1, 16 Aug 75

[The goddess Angizzia and serpents in the religion of The Marches: remaining popular traditions] Chiari G. **Med Secoli** 12(1):109-27, Jan-Apr 75 **(Ita)**

[Disproportion of parasitism by helminths in female and male ophidios of the genus Borthrops Wagler, 1824] Graeiro A. **Arq Inst Biol (Sao Paulo)** 40(4):387-9, Oct-Dec 73 (Eng. Abstr.) **(Por)**

[Description of an economic and simple methods for the study of karyotyping in serpents] Taylor R, et al. **Rev Biol Trop** 23(2):177-83, Dec 75 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Proceedings: An additional trigeminal system in certain snakes possessing infra-red receptors. Molenaar GJ. **Acta Morphol Neerl Scand** 13(4):314-5, Dec 75

Retinal projections in Vipera aspis. A reinvestigation using light radioautographic and electron microscopic degeneration techniques. Repérant J, et al. **Brain Res** 107(3):603-9, 14 May 76

Gross, microscopic and ultrastructural study of the intestinal tube of Xenodon merremii Wagler, 1824 (Ophidia). Ferri S, et al. **J Anat** 121(2):291-301, Apr 76

Trigeminal projections in snakes possessing infrared sensitivity. Schroeder DM, et al. **J Comp Neurol** 169(1):1-11, 1 Sep 76

Corticoseptal projections in the snakes Natrix sipedon and Thamnophis sirtalis. Ulinski PS. **J Comp Neurol** 164(3):375-88, 1 Dec 75

Structure of anterior dorsal ventricular ridge in snakes. Ulinski PS. **J Morphol** 148(1):1-21, Jan 76

The structure and function of the infrared receptors of snakes. Goris RC, et al. **Prog Brain Res** 43:159-70, 1976

[Morphology and histochemistry of Harderian gland of Brazilian reptiles. I. Ophidea] Lopes RA, et al. **Mem Inst Butantan** 38:41-50, 1974 (Eng. Abstr.) **(Por)**

BLOOD

Studies on the annual reproductive cycle of the female cobra, Naja naja. Seasonal variation in plasma inorganic ions. Lance V. **Comp Biochem Physiol [A]** 53(3):285-9, 1976

Hemoglobins of Boa constrictor amarali. Schwantes A, et al. **Comp Biochem Physiol [B]** 54(4):447-50, 1976

The oxygen dissociation curve of viper (Vipera aspis) hemoglobin: functional similarity with human hemoglobin Portland. Duguet M, et al. **FEBS Lett** 60(2):267-8, 15 Dec 75

Hemopoietic response to male hormone in the chequered water-snake, Natrix piscator. Kaur RJ, et al. **Gen Comp Endocrinol** 27(2):203-8, Oct 75

Preparation and chemical characterization of the three chains of the major hemoglobin of the sea snake, Pelamis platurus. Liu CS. **J Biochem (Tokyo)** 78(1):19-29, Jul 75

Ultrastructure of mature erythrocytes from five bothropic species. Menezes H, et al. **Mem Inst Butantan** 38:51-62, 1974 (Eng. Abstr.)

Antivenom activity of rattlesnake blood plasma. Straight R, et al. **Nature** 261(5557):259-60, 20 May 76

Anticoagulants for avian and reptilian blood: heparin and EDTA. Hattingh J, et al. **Pfluegers Arch** 363(3):267-9, 22 Jun 76

Cobra venom factor: evidence for its being altered cobra C3 (the third component of complement). Alper CA, et al. **Science** 191(4233):1275-6, 26 Mar 76

IMMUNOLOGY

IgM the secretory immunoglobulin of reptiles and amphibians. Portis JL, et al. **Nature** 258(5535):547-8, 11 Dec 75

METABOLISM

Accumulation of some secretory enzymes in venom glands of Vipera palaestinae. Brown RS, et al. **Am J Physiol** 229(6):1675-9, Dec 75

Bile acids of snakes of the subfamily Viperinae and the biosynthesis of C-23-hydroxylated bile acids in liver homogenate fractions from the adder, Vipera berus (Linn.). Ikawa S, et al. **Biochem J** 153(2):343-50, 1 Feb 76

Distribution of elastase-like enzyme activity among snake venoms. Bernick JJ, et al. **Comp Biochem Physiol [B]** 54(1):51-4, 1976

The influence of sex differences, skin-shedding cycle and hibernation on the regulation of aspartate and alanine aminotransferase activities in the grass-snake, Natrix n. natrix (L.). Seniow A. **Comp Biochem Physiol [B]** 54(1):69-76, 1976

Gastrin-like activity in an Indian python. Olowo-Okorun MO. **Comp Biochem Physiol [C]** 52(1):9-10, 1 Oct 75

Changes of glucose metabolism after thyroidectomy in chequered water snake (Natrix piscator). Thapliyal JP, et al. **Endocrinol Exp (Bratisl)** 9(1):73-6, Jan 75

Steroid 21-hydroxylase activity in the ovary of the snake Storeria dekayi during pregnancy. Colombo L, et al. **Gen Comp Endocrinol** 28(4):403-12, Apr 76

Effects of thyroid hormone on the chemical constituents of different tissues of the chequered water-snake, Natrix piscator. Gupta SC, et al. **Gen Comp Endocrinol** 27(2):223-9, Oct 75

Isolation and characterization of reptilian insulin: partial amino acid sequence of rattlesnake (Crotalus atrox) insulin. Kimmel JR, et al. **Gen Comp Endocrinol** 28(3):320-33, Mar 76

High levels of pancreatic nonspecific lipase in rattlesnake and leopard shark. Patton JS. **Lipids** 10(9):562-4, Sep 75

MICROBIOLOGY

Salmonella and Arizona from snakes in the Judean desert (1974-1975). Greenberg Z, et al. **Ann Microbiol (Paris)** 127(3):383-90, Apr 76

A septicaemic disease of East African snakes associated with enterobacteriaceae. Cooper JE, et al. **Trans R Soc Trop Med Hyg** 70(1):80-4, 1976

Isolation of Arizonoa from cold-blooded animals. [author's transl] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(2):137-8, Apr-Jun 73 (Eng. Abstr.) **(Por)**

[Epidemiological study on leptospirosis in Brazilian snakes] Hykutake S, et al. **Rev Inst Med Trop Sao Paulo** 18(1):10-6, Jan-Feb 76 (Eng. Abstr.) **(Por)**

PARASITOLOGY

Parasites of the relict fauna of Ceylon. V. New species of nematodes from uropeltid snakes. Crusz H, et al. **Ann Parasitol Hum Comp** 50(3):339-49, May-Jun 75

Human infestation by Ophionyssus natricis snake mite. Schultz H. **Br J Dermatol** 93(6):695-7, Dec 75

Two new species of Eimeria from colubrid snakes in Iowa. Wacha RS, et al. **J Protozool** 22(4):453-4, Nov 75

Scattered calcified larvae of Porencephalus or tongue worm in the lungs of a Nigerian who also had carcinoma of the bronchus. Browne D. **Med Biol Illus** 25(1):20, Feb 75

Light and electron microscopic observations of the life cycle of Sarcocystis orientalis sp. n. in the rat (Rattus norvegicus) and the Malaysian reticulated python (Python reticulatus). Zaman V, et al. **Z Parasitenkd** 47(3):169-85, 16 Oct 75

PHYSIOLOGY

Olfactory mimicry involving garter snakes and artificial models and mimics. Czaplicki JA, et al. **Behaviour** 54(1-2):60-71, 1975

Receptive area of an infrared tectal unit. Terashima SI, et al. **Brain Res** 101(1):155-9, 9 Jan 76

Identification of prolactin cells in the pituitary gland of grass snake, Natrix natrix (L.) using immunofluorescence technique. Sotowska-Brochocka J. **Bull Acad Pol Sci [Biol]** 24(2):107-12, 1976

Evidence for multiple insemination in the common garter snake, Thamnophis sirtalis. Gibson AR, et al. **Can J Zool** 53(9):1362-8, Sep 75

Evaporative water loss in scaleless snakes. Bennett AF, et al. **Comp Biochem Physiol [A]** 52(1):213-5, 1 Sep 75

The influence of photoperiod and temperature on seasonal testicular recrudescence in the red-sided garter snake (Thamnophis sirtalis parietalis). Hawley AW, et al. **Comp Biochem Physiol [A]** 53(2):215-21, 1976

Dive and breath hold metabolism of the brown water snake, Natrix taxispilota. Irvine AB, et al. **Comp Biochem Physiol [A]** 55(1):61-7, 1976

Diving bradycardia in four species of North American aquatic snakes. Jacob JS, et al. **Comp Biochem Physiol [A]** 53(1):69-72, Jan 76

Temperature preferences and electrocardiography of Elaphe obsoleta (Serpentes). Jacob JS, et al. **Comp Biochem Physiol [A]** 52(4):591-4, 1 Dec 75

Studies on the annual reproductive cycle of the female cobra, Naja naja. I. Seasonal variation in plasma cholesterol. Lance V. **Comp Biochem Physiol [A]** 52(3):519-25, 1 Nov 75

Vago-sympathetic innervation of the heart of the puff adder, Bitis arietans Hedberg A, et al. **Comp Biochem Physiol [C]** 53(1):3-8, 1976

Function of corpora lutea of pregnancy in the viviparous garter snake, Thamnophis elegans. Highfill DR, et al. **Gen Comp Endocrinol** 27(3):401-7, Nov 75

Sources and levels of progesterone during pregnancy in the garter snake, Thamnophis elegans. Highfill DR, et al. **Gen Comp Endocrinol** 27(3):389-400, Nov 75

Some comparative observations on vertebrate somatosensory function. pp. 161-7. McIntyre AK. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Laboratory observations of trailing behavior in garter snakes. Kubie J, et al. **J Comp Physiol Psychol** 89(7):667-74, Sep 75

Proceedings: Topographic representation of the tectum opticum of the pit viper. Terashima S, et al. **J Physiol Soc Jpn** 36(8-9):304, 1 Sep 74

How sea snakes may avoid the bends. Seymour RS. **Nature** 250(5466):489-90, 9 Aug 74

Role of the tongue and senses in feeding of naive and experienced garter snakes. Burghardt GM, et al. **Physiol Behav** 14(2):185-94, Feb 75

Electrophysiology of snake infrared receptors. Terashima SI, et al. **Prog Neurobiol** 2:311-32, 1975

Diagnosis and management of envenomation by poisonous snakes. Wingert WA, et al. **South Med J** 68(8):1015-26, Aug 75 (26 ref.)

Venom extraction and yields from the North American coral snake, Micrurus fulvius. Fix JD, et al. **Toxicon** 14(2):143-5, 1976

[Reproduction of Bothrops moojeni Hoge in captivity] Leloup P. **Acta Zool Pathol Antverp** (62):173-201, Sep 75 (Eng. Abstr.) **(Fre)**

[Different types of sexual cycles in male European vipers] Saint-Girons H. **C R Acad Sci [D] (Paris)** 282(10):1017-9, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Nature of uniform muscle fibers of muscular spindles of snakes] Itsuki M. **J Physiol Soc Jpn** 36(8-9):307, 1 Sep 74 **(Jpn)**

SNEEZING

Neural mechanisms of sneeze. Batsel HL, et al. **Am J Physiol** 229(3):770-6, Sep 75

Sneezing: its physiology and management. Stromberg BV. **Eye Ear Nose Throat Mon** 54(12):449-53, Dec 75

'Sneeze syncope', basilar invagination and Arnold-Chiari type I malformation. Corbett JJ, et al. **J Neurol Neurosurg Psychiatry** 39(4):381-4, Apr 76

SNOW see under **WEATHER**

SNUFF see under **TOBACCO**

SOAPS

[Clinical trial with benzoyl peroxide shampoo in seborrhea

oleosa] Schmid U. **Z Hautkr** 51(14):580–2, 15 Jul 76 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Allergic contact dermatitis from TEA–Coco hydrolyzed protein. Emmett EA, et al. **Arch Dermatol** 112(7):1008–9, Jul 76

Salicylanilide photocontact dermatitis. Hazelrigg DE, et al. **Tex Med** 72(1):68–71, Jan 76

[Urinary mercury excretion in professional users of an antiseptic soap containing 0,04% phenylmercury borate] Peters–Haefeli L, et al. **Schweiz Med Wochenschr** 106(6):171–8, 7 Feb 76 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of antimicrobial soap containing chlorhexidine on the microbial flora of skin. Aly R, et al. **Appl Environ Microbiol** 31(6):931–5, Jun 76

Effects of an antibacterial soap on the ecology of aerobic bacterial flora of human skin. Voss JG. **Appl Microbiol** 30(4):551–6, Oct 75

[Testing the antibacterial effects of Palmador soap with disinfecting additives salicylanilides (author's transl)] Vránová J, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(4):240–8, Jul 75 (Eng. Abstr.) **(Cze)**

[Studies on the problem of moisterizing with syndets during the use of fluid Episan–soaps] Schlenzka K, et al. **Dermatol Monatsschr** 161(6):470–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Studies on the problem of relipictization through Syndets in the use of Episan soaps. II. Quantitative determination of lipoids on the skin surface] Schlenzka VK, et al. **Dermatol Monatsschr** 162(4):323–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Experimental study of the effect of certain soaps on the skin] Ivanov VV. **Vestn Dermatol Venerol** (3):57–61, Mar 76 **(Rus)**

THERAPEUTIC USE

[Therapeutic experience report using the AVENA series] Kürner H. **Z Hautkr** 50(15):631–5, 1 Aug 75 **(Ger)**

SOCCER see under **SPORTS**

SOCIAL ADJUSTMENT

see related

ADAPTATION, PSYCHOLOGICAL

Assessment of the psychosocial outcome of severe head injury. Bond MR. **Acta Neurochir (Wien)** 34(1–4):57–70, 1976

Congenital clubfoot. A follow–up of 95 persons treated in Sweden from 1940–1945 with special reference to their social adaption and subjective symptoms from the foot. Björnéss T. **Acta Orthop Scand** 46(5):848–56, Nov 75

Social handicap among workers with noise–induced hearing loss. Diamant H. **Acta Otolaryngol (Stockh)** 81(3–4):260–3, Mar–Apr 76

Psychomotor development and school–adjustment of 7–year–old children with low birthweight. Bjerre I, et al. **Acta Paediatr Scand** 65(1):88–96, Jan 76

The impact of illness in adolescence and coping behavior. Hofmann AD. **Acta Paediatr Scand [Suppl]** (256):29–33, 1975

Effect of brain injury on social adaptability. Longitudinal study on frequency of criminality. Virkkunen M, et al. **Acta Psychiatr Scand** 53(3):168–72, Mar 76

Psychosocial dysfunctions as precursors to amphetamine abuse among adolescents. Brook R, et al. **Addict Dis** 2(3):465–78, 1976

Maladjustment patterns apparently related to imprinting at birth. Cheek DB. **Am J Clin Hypn** 18(2):75–82, Oct 75

Long–term dialysis. **Am J Med** 59(5):702–12, Nov 75

Social adjustment in more severely retarded, institutionalized individuals: the sum of adjusted behavior. Balthazar EE, et al. **Am J Ment Defic** 80(4):454–9, Jan 76

The young adult. Adjusting to single parenting. Dresen S. **Am J Nurs** 76(8):1286–9, Aug 76

Daily living group: focus on transition from hospital to community. Heine DB. **Am J Occup Ther** 29(10):628–30, Nov–Dec 75

Residential treatment of disturbed children and adequacy of their subsequent adjustment: a follow–up study. Davids A, et al. **Am J Orthopsychiatry** 46(1):62–73, Jan 76

The comparative predictive efficiency of intellectual and nonintellectual components of high school functioning. Lambert NM, et al. **Am J Orthopsychiatry** 46(1):109–22, Jan 76

Social and emotional adjustment of infants and toddlers to a day care setting. McCutcheon B, et al. **Am J Orthopsychiatry** 46(1):104–8, Jan 76

Psychiatric effects of prolonged Asian captivity: a two–year follow–up. Hall RC, et al. **Am J Psychiatry** 133(7):786–90, Jul 76

The family in exile: Cuban expatriates in the United States. Rumbaut RD, et al. **Am J Psychiatry** 133(4):395–9, Apr 76

Assessment of social adjustment by patient self–report. Weissman MM, et al. **Arch Gen Psychiatry** 33(9):111–5, Sep 76

Social skills training with the newly handicapped. Romano MD. **Arch Phys Med Rehabil** 57(6):302–3, Jun 76

Sociopsychological factors influencing response to levodopa therapy for Parkinson's disease. Singer E. **Arch Phys Med Rehabil** 57(1):328–34, Jul 76

Social performance and readmission in acute and chronic schizophrenics: comparison of two approaches. Serban G, et al. **Behav Neuropsychiatry** 7(1–12):6–12, Apr–Mar 75–76

Some social and psychologic issues in genetic screening. Public and professional adaptation to biomedical innovation. Sorenson JR. **Birth Defects** 10(6):165–84, 1974

Long range effects of father's loss: the cognitive complexity of bereaved children and their school adjustment. Lifshitz M. **Br J Med Psychol** 49(2):189–97, Jun 76

Psychosocial consequences of therapeutic abortion King's termination study III. Greer HS, et al. **Br J Psychiatry** 128:74–9, Jan 76

Symptomatic treatment of agoraphobia and social phobias: a follow–up study. Tyrer P, et al. **Br J Psychiatry** 127:163–8, Aug 75

Adjustment to blindness. Keegan DL, et al. **Can J Ophthalmol** 11(2®760521–760610–2):22–9, Apr 76

Sociological aspects of cleft palate adults: IV. Social integration. Peter JP, et al. **Cleft Palate J** 12:304–10, Jul 75

Childhood and adolescent problems of adult psychiatric inpatients. Altman H, et al. **Compr Psychiatry** 16(5):479–84, Sep–Oct 75

Functioning ability in schizophrenic and 'normal' subjects: short–term prediction for rehospitalization of schizophrenics. Serban G. **Compr Psychiatry** 16(5):447–56, Sep–Oct 75

Social adjustment and clinical relapse in depressed outpatients. Tanner J, et al. **Compr Psychiatry** 16(6):547–56, Nov–Dec 75

Continence, friends, marriage and children in 51 adults with spina bifida. Laurence KM, et al. **Dev Med Child Neurol [Suppl]** (35):123–8, 1975

Benign epilepsy of children with centrotemporal EEG foci: intelligence, behavior, and school adjustment. Heijbel J, et al. **Epilepsia** 16(5):679–87, Dec 75

Impact of intra–institutional relocation. Measuring the impact of change. Brody E, et al. **Gerontologist** 14(4):299–305, Aug 74

Behavioral adaptation to the change in institutional residence. Patnaik B, et al. **Gerontologist** 14(4):305–7, Aug 74

A group program for adaptation to a convalescent hospital. Remnet VL. **Gerontologist** 14(4):336–41, Aug 74

On adding insight to injury. Weinberg J. **Gerontologist** 16(1 Pt1):4–10, Feb 76

The social worker's involvement in the rehabilitation of the spinal cord injured individual. pp. 211–6. Boatwright FW.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Psychosocial aspects of the spinal cord injured: the psychologist's approach. pp. 201–5. Karney RJ.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The chaplain's ministry to the spinal cord injury patient. pp. 207–10. Klutts B.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Adjustment services for the severely disabled. pp. 141–8. Sax AB.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Medical and psychosocial problems of the spinal cord injured client. pp. 173–80. Tooms RE.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Adaptation to an extreme environment. pp. 530–7. Stillner V, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Report of the task group on cardiac rehabilitation. pp 73–8.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.

Effects of enforced relocation on life adjustment in a nursing home. Smith RT, et al. **Int J Aging Hum Dev** 6(3):249–59, 1975

Are aged blacks who manifest differences in community security also different in coping reactions? Stretch JJ. **Int J Aging Hum Dev** 7(2):171–84, 1976

Chronically ill children. A psychologically and emotionally deviant population? Tavormina JB, et al. **J Abnorm Child Psychol** 4(2):99–110, 1976

Distractibility and hypersensitivity. Two behavior factors in elementary school children. Victor JB, et al. **J Abnorm Child Psychol** 3(1):83–94, 1975

Hypochondriasis in the elderly: a reaction to social stress. Busse EW. **J Am Geriatr Soc** 24(4):145–9, Apr 76

A psychogeriatric assessment program. I. Social functioning and ward behavior. Dastoor DP, et al. **J Am Geriatr Soc** 23(10):465–71, Oct 75

Prognostic antecedents and outcome in a follow–up study of children with a diagnosis of childhood psychosis. Rees SC, et al. **J Autism Child Schizo** 5(4):309–22, Dec 75

Evaluation of the social needs of nonhospitalized chronically ill persons. 1. Study of 47 patients with multiple sclerosis. Braham S, et al. **J Chronic Dis** 28(7–8):401–19, Aug 75

The social potential of the patient: an alternative to the sick role. Crane D. **J Commun** 25(3):131–9, Summer 75

Norms affecting self–disclosure in men and women. Derlega VJ, et al. **J Consult Clin Psychol** 44(3):376–80, Jun 76

Situational constraint as a moderator of the locus of control–adjustment relationship. Wolk S. **J Consult Clin Psychol** 44(3):420–7, Jun 76

Self–actualization and perceived locus of control: a comparison of relationships based on separate locus of control measures. Hjelle LA. **J Genet Psychol** 128(2):303–4, Jun 76

Selected social and psychological differences between men and women in later life. Atchley RC. **J Gerontol** 31(2):204–11, Mar 76

The efficacy of preretirement preparation programs for industrial workers. Glamser FD, et al. **J Gerontol** 30(5):595–600, Sep 75

Problems in the ratio measurement of life stress. Hough RL, et al. **J Health Soc Behav** 17(1):70–82, Mar 76

Life events, social integration and psychiatric symptomatology. Myers JK, et al. **J Health Soc Behav** 16(4):421–7, Dec 75

Relationship of social interest to internal–external control and self–actualization in young women. Hjelle LA. **J Individ Psychol** 31(2):171–4, Nov 75

School learning and adjustment: interdisciplinary training for pediatricians. Rockowitz RJ, et al. **J Med Educ** 50(11):1063–4, Nov 75

Assessing treatment outcome. I. Adjustment in the community. Fontana AF, et al. **J Nerv Ment Dis** 161(4):221–30, Oct 75

Transition: a planned clinical learning experience for Associate Degree students in nursing. Clarke LM, et al. **J Nurs Educ** 15(4):3–6, Jul 76

Anxiety, self–concept, and personal and social adjustments in children with sickle cell anemia. Kumar S, et al. **J Pediatr** 88(5):859–63, May 76

WAIS picture arrangement and premorbid social competence among process schizophrenics. Edinger JD. **J Pers Assess** 40(1):52–3, Feb 76

Behavioral adjustment of psychiatric hospital patients and helping behavior. Tipton RM, et al. **J Psychol** 89(Second Half):293–9, Mar 75

Scaling of life events by psychiatric patients and normals. Grant I, et al. **J Psychosom Res** 20(2):141–9, 1976

Personality trait and symptom correlates of life change in a psychiatric population. Hendric HC, et al. **J Psychosom Res** 19(3):203–8, 1975

Life change patterns prior to death in ischaemic heart disease. A study on death–discordant twins. Ulf F. **J Psychosom Res** 19(4):273–8, 1975

A behaviorally oriented program for adjustment reaction of childhood. Short MJ, et al. **J SC Med Assoc** 71(9):270–3, Sep 75

Measurement and interpretation of drinking behavior. I. On measuring patterns of alcohol consumption. II. Relationships between drinking behavior and social adjustment in a sample of problem drinkers. Bowman RS, et al. **J Stud Alcohol** 36(9):1154–72, Sep 75

Psychosocial problems in dialyzed idabetic patients. Comty CM, et al. **Kidney Int [Suppl]** (1):144–51, Oct 74

Social and psychological rehabilitation of the diabetic transplant patient. Simmons RG, et al. **Kidney Int [Suppl]** (1):152–8, Oct 74

13. Studies in rating the physical, mental, and social dysfunction of the chronically ill aged. Linn MW. **Med Care** 14(5 Suppl):119–25, May 76

Role of life events in accident causation. Selzer ML, et al. **Ment Health Soc** 2(1–2):36–54, 1975

Unrest and the personal concerns of college students. Werner A, et al. **Ment Health Soc** 1(5–6):284–91, 1974

Social adaptation assessment as a tool for prescriptive remediation. Allen RM, et al. **Ment Retard** 14(1):36–7, Feb 76

IQ as a factor in community lifestyle of previously institutionalized retardates. Bell NJ. **Ment Retard** 14(3):29–33, Jun 76

The Vietnam era veteran anomie and adjustment. Worthington ER. **Milit Med** 141(3):169–70, Mar 76

Social performance of the mentally retarded. Dingman HF. **Monogr Am Assoc Ment Defic** (1):87–90, 1973

Adaptive behavior and mentally retarded behavior. Leland H. **Monogr Am Assoc Ment Defic** (1):91–100, 1973

Importance of environmental demands in the measurement of adaptive behavior. Nihira K. **Monogr Am Assoc Ment Defic** (1):101–16, 1973

Recent evidence supporting psychologic and social risk factors for coronary disease. Jenkins CD. **N Engl J Med** 294(19):1033–8, 6 May 76

Psychosocial reactions of children with cancer. A program for rehabilitation. Clapp MJ. **Nurs Clin North Am** 11(1):73–82, Mar 76

Back to the community: a dubious blessing. Slavinsky AT, et al. **Nurs Outlook** 24(6):370–4, Jun 76

Relationship among health habits, social assets, psychologic well–being, life change, and alterations in health status. Pesznecker BL, et al. **Nurs Res** 24(6):442–7, Nov–Dec 75

The deprivation syndrome. Brearley P. **Nurs Times** 71(48):1914–5, 27 Nov 75

Return to society: problematic features of the re–entry process. Jansson DP. **Perspect Psychiatr Care** 13(3):136–42, Jul–Sep 75

Psycho-social hazards and their effects. Sjölin S. **Postgrad Med J** 51 Suppl 2:suppl 15:29–37, 1975

Evaluating the seriousness of adolescent adjustment reactions. LeBow JA. **Primary Care** 2(2):281–7, Jun 75

Comparison of rehospitalized and nonrehospitalized psychiatric patients on community adjustment: self-assessment guide. Willer B, et al. **Psychiatry** 39(3):239–44, Aug 76

The relation between premorbid competence and paranoid-nonparanoid status in schizophrenia: a methodological and theoretical critique. Zigler E, et al. **Psychol Bull** 83(2):303–13, Mar 76 (39 ref.)

A survey of social inadequacy among psychiatric outpatients. Bryant B, et al. **Psychol Med** 6(1):101–12, Feb 76

Factors associated with attempted suicide among hospitalized depressed patients. Crook T, et al. **Psychol Med** 5(4):381–8, Nov 75

Evidence for a nonlinear relationship between self-disclosure and self-actualization. Kinder BM. **Psychol Rep** 38(2):631–4, Apr 76

Empirical application of a cognitive framework to rigidity, aspects of creativity, anxiety, and adjustment. Leeb S. **Psychol Rep** 37(2):651–68, Oct 75

Social rehabilitation: a theory, program, and evaluation. Webb LJ, et al. **Rehabil Lit** 37(6):172–5, 191, Jun 76

Structured learning therapy—skill training for schizophrenics. Goldstein AP, et al. **Schizophrenia Bull** 14:83–6, Fall 75

Social and other aspects of adjustment to single eye cataract extraction in elderly patients. Hilbourne JF. **Trans Ophthalmol Soc UK** 95(2):254–9, Jul 75

[Dominant mental dysfunctions of epileptics significant for their social adaptation] Turdiu-Simunec J, et al. **Neuropsihijatrija** 22(1–4):55–9, 1974 (Eng. Abstr.) **(Cro)**

[The position of asthmatic children within groups of children] Staňková O. **Cesk Pediatr** 30(5):198–200, May 75 (Eng. Abstr.) **(Cze)**

[Attitude of epileptic children to their handicap. A pilot study] Kiorboe E. **Ugeskr Laeger** 137(41):2419–21, 6 Oct 75 (Eng. Abstr.) **(Dan)**

[Clinical and social fate of craniocerebral injuries in young adults] Girard V, et al. **Ann Med Psychol (Paris)** 1(3):321–66, Mar 76 (Eng. Abstr.) **(Fre)**

[Value of readaptation after myocardial infarction. Apropos of 100 cases] Quiret JC, et al. **Arch Mal Coeur** 69(7):731–8, Jul 76 (Eng. Abstr.) **(Fre)**

[Hearing training of the deaf child from the perspective of his social integration] Coll J, et al. **J Fr Otorhinolaryngol** 24(6):470, Jun 75 **(Fre)**

[Adaptive behavior of competent adolescents. The art of facing preparation for college] Silber E, et al. **Psychiatr Enfant** 18(2):525–48, 1975 **(Fre)**

[Pedagogical problems in psychotic children] Gaetner R. **Rev Neuropsychiatr Infant** 23(12):819–31, Dec 75 (Eng. Abstr.) **(Fre)**

[The social and economic outcome of hospitalized patients with lumbalgia. Statistical studies] Chaouat Y, et al. **Rev Rhum Mal Osteoartic** (6 suppl 1):15–6, Jun 75 **(Fre)**

[Scholastic, familial and social consequences of rheumatoid arthritis in the child] Mozziconacci P, et al. **Rev Rhum Mal Osteoartic** (6 suppl 1):9–12, Jun 75 **(Fre)**

[The social integration of disorded children and juveniles. Aspects of the medical, socialpsychiatric and therapeutic pedagogies (author's transl)] Berger E, et al. **Paediatr Paedol** 11(1):168–77, 1976 (Eng. Abstr.) **(Ger)**

[Psychosocial rehabilitation processes in long-term dialysis-patients (author's transl)] Freyberger H, et al. **Rehabilitation (Stuttg)** 13(3):151–62, Aug 74 (Eng. Abstr.) **(Ger)**

[Social needs of patients and their satisfaction with medical treatment] Harych I, et al. **Sante Publique (Bucur)** 18(4):441–8, 1975 (Eng. Abstr.) **(Ger)**

[Social unsuitability in the developmental age. Hypothesis for new structures helping social adjustment] Tamburino G, et al. **Quad Criminol Clin** 17(2):227–64, Apr–Jun 75 (Eng. Abstr.) **(Ita)**

[The role of school physicians in relation to children with sociomedical problems] Holmsen E. **Tidsskr Nor Laegeforen** 95(29):1639–42, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Development of work routines in school health care. Evaluation of a method for screening of school children according to maladjustment] Irgens LM, et al. **Tidsskr Nor Laegeforen** 96(7):407–11, 10 Mar 76 (Eng. Abstr.) **(Nor)**

[The role of school nurses in relation to school children with sociomedical problems] Krag OM. **Tidsskr Nor Laegeforen** 95(29):1638–9, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Letter: Discomfort in school children] Lehman V. **Tidsskr Nor Laegeforen** 96(13):782–3, 10 May 76 **(Nor)**

[Editorial: Screening for unhappiness in school age children] Natvig H. **Tidsskr Nor Laegeforen** 96(7):453–4, 10 Mar 76 **(Nor)**

[Socio-educational tasks in elementary and secondary school] Ruud S. **Tidsskr Nor Laegeforen** 95(29):1635–7, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Resocialization of epileptics in the opinion of psychologists at the Epilepsy Outpatient Clinic in Posnań] Klosowska D, et al. **Neurol Neurochir Pol** 10(2):209–12, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[The dynamics of temporal lobe epilepsy manifestations and the social-occupational prognosis in children following surgical removal of the epileptic focus] Bein BN, et al. **Zh Nevropatol Psikhiatr** 75(4):512–7, 1975 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of social adaptation in the dynamics of torpidly progressing schizophrenia and neuroses (based on epidemiological research data)] Gladkova KI, et al. **Zh Nevropatol Psikhiatr** 74(1):130–4, 1974 (Eng. Abstr.) **(Rus)**

[Family formation by schizophrenic and manic-depressive patients according to an epidemiologic study (birth rate)] Shmaonova LM, et al. **Zh Nevropatol Psikhiatr** 76(5):754–9, 1976 (Eng. Abstr.) **(Rus)**

[Social-medicine aspects of psychomotor development disorders] Kovačević D. **Nar Zdrav** 30(11–12):270–7, Nov–Dec 74 **(Ser)**

[Social problems of employment of adult epileptics (author's transl)] Bewilaqua L, et al. **Cesk Psychiatr** 71(2–3):115–9, Jun 75 (Eng. Abstr.) **(Slo)**

[Social space and human behavior] Vidal F. **Arch Neurobiol (Madr)** 39(2):99–104, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Social repercussions of epilepsy. Social advice] Pérez de Francisco C. **Salud Publica Mex** 17(6):821–27, Nov–Dec 75 **(Spa)**

[How has it gone for adopted children?] Bohman M. **Lakartidningen** 72(47):4631–5, 19 Nov 75 (Eng. Abstr.) **(Swe)**

SOCIAL ALIENATION

Antisocial behavior and social alienation post divorce: the 'man of the house' and his mother. Tooley K. **Am J Orthopsychiatry** 46(1):33–42, Jan 76

Modern alienation and the good old days. Grey A. **Am J Psychoanal** 35(2):123–33, Summer 75

Alienation and the family history. Valentine JH. **Am J Psychother** 28(4):592–8, Oct 74

Social structural and psychological antecedents of self-estrangement and powerlessness. Otto LB, et al. **Am Sociol Rev** 40(6):701–19, Dec 75

Alienation: trying to bridge the chasm. Fischer CS. **Br J Sociol** 27(1):35–49, Mar 76

Medical care of homeless and rootless young people. Holden HM. **Br Med J** 4(5994):446–8, 22 Nov 75

Memories and alienation in the Vietnam combat veteran. Lewis CN. **Bull Menninger Clin** 39(4):363–9, Jul 75

Multiple sclerosis: experiences of personal alienation. Pulton TW. **Can Nurse** 71(7):18–8, Jul 75

Alienation as a social psychiatric concept. Braun J. **Int J Soc Psychiatry** 22(1):9–18, Spring 76

A subcultural change of MMPI norms in the 1960s due to adolescent role confusion and glamorization of alienation. Schubert DS, et al. **J Abnorm Psychol** 84(4):406–11, Aug 75

Adolescent turmoil: fact or fiction? Rutter M, et al. **J Child Psychol Psychiatry** 17(1):35–56, Jan 76

Alcoholism and alienation. Calicchia JP, et al. **J Clin Psychol** 31(4):770–5, Oct 75

Self-parental alientation and locus of control in delinquent girls. Duke MP, et al. **J Genet Psychol** 127(First Half):103–7, Sep 75

Alienation, familism and the utilization of health services by Mexican Americans. Hoppe SK, et al. **J Health Soc Behav** 16(3):304–14, Sep 75

Addiction, alienation and parenting. Cotroneo M, et al. **Nurs Clin North Am** 11(3):517–25, Sep 76

Drugs and lifestyle–the making of a scapegoat. Henry MJ. **Proc R Soc Med** 68(1):7–9, Jan 75

Authoritarianism, alienation, and related variables: a correlational and factor-analytic study. Knapp RJ. **Psychol Bull** 83(2):194–212, Mar 76

Dimensions of alienation and pathology. Schimek JG, et al. **Psychol Rep** 37(3 Pt 1):727–32, Dec 75

In pursuit of a dogmatism factor: derogation or alienation? Steininger M. **Psychol Rep** 37(3 PT 2):1041–2, Dec 75

[Post-traumatic psychoneuroses in the migrant worker] Jeddi E, et al. **Tunis Med** 53(5):279–81, Sep–Oct 75 **(Fre)**

[Socio-cultural alientation and heroin addiction] Vales PA. **Quad Criminol Clin** 17(1):107–20, Jan–Mar 75 (Eng. Abstr.) **(Ita)**

[Mental abnormalities and social integration] Belciugăteanu C. **Rev Med Intern [Neurol Psihiatr]** 20(1):1–4, Jan–Mar 75 **(Rum)**

SOCIAL BEHAVIOR

Proceedings: Effect of alcohol administration during pregnancy on social behaviour of offsprings in mice. Elis J, et al. **Act Nerv Super (Praha)** 17(4):281–2, 1975

Proceedings: The effect of 6-hydroxydopamine and 5, 6-dihydroxytryptamine on social behaviour in mice. Pöschlová N, et al. **Act Nerv Super (Praha)** 17(4):254–5, 1975

Social contact behavior in rats selected for high and low activity and defecation rates. Tikal K, et al. **Act Nerv Super (Praha)** 17(1):61–2, Mar 75

Role-taking ability and the interpersonal competencies of retarded children. Affleck GG. **Am J Ment Defic** 80(3):312–6, Nov 75

Social adjustment in more severely retarded, institutionalized individuals: the sum of adjusted behavior. Balthazar EE, et al. **Am J Ment Defic** 80(4):454–9, Jan 76

Care of the critically ill newborn: Stimulation – a corollary to physical care. Brown J, et al. **Am J Nurs** 76(4):578–81, Apr 76 Brayman SJ, et al. **Am J Occup Ther** 30(2):94–100, Feb 76

Behavioral skills for employment of the intellectually handicapped. Goldman LE. **Am J Occup Ther** 29(9):539–46, Oct 75

Troop fission in free-ranging baboons in the Gombe Stream National Park, Tanzania. Nash LT. **Am J Phys Anthropol** 44(1):63–77, Jan 76

The relationship between the physiological condition of female mice and the effects of their urine on the social behaviour of adult males. Dixon AK, et al. **Anim Behav** 23(3):513–20, Aug 75

Rainfall, activity and social behaviour in the lizard, Anolis aeneus. Stamps JA. **Anim Behav** 24(3):603–8, Aug 76

A behavioral framework for the study of human disease. Fabrega H Jr, et al. **Ann Intern Med** 84(2):200–8, Feb 76

Leukemia and lymphoma patients linked by prior social contact. Evaluation using a case-control approach. Schimpff SC, et al. **Ann Intern Med** 84(5):547–50, May 76

Editorial: Prior social links among leukemia and lymphoma patients. Vianna NJ. **Ann Intern Med** 84(5):604–6, May 76

Behavioral and social effects of heroin self-administration and withdrawal. Babor TF, et al. **Arch Gen Psychiatry** 33(3):363–7, Mar 76

Length of hospitalization on a short-term therapeutic community. A multivariate study by sex across time. Doherty EG. **Arch Gen Psychiatry** 33(1):87–92, Jan 76

Effects of chlorpromazine on the vertical chamber syndrome in rhesus monkeys. Moran EC, et al. **Arch Gen Psychiatry** 32(11):1409–13, Nov 75

Women among men: females in the male homosexual community. Warren CA. **Arch Sex Behav** 5(2):157–69, Mar 76

Social olfaction: a review of the ontogeny of olfactory influences on vertebrate behavior. Cheal M. **Behav Biol** 15(1):1–25, Sep 75 (127 ref.)

Comparative studies of social behavior in Callicebus and Saimiri: male-female emotional attachments. Cubicciotti D 3rd, et al. **Behav Biol** 16(2):185–97, Feb 76

Readiness to display in the paradise fish Macropodus opercularis, L., Belontiidae: the problem of general and specific effects of social isolation. Davis RE. **Behav Biol** 15(4):419–33, Dec 75

Effects of familiarity on agonistic encounter behavior in male degus (Octodon degus). Davis TM. **Behav Biol** 14(4):511–7, Aug 75

Minicomputer monitored social behavior of mice with hippocampus lesions. Ely D, et al. **Behav Biol** 16(1):1–29, Jan 76

Early behavioral experience and adult social behavior in the paradise fish, Macropodus opercularis L. Kassel J, et al. **Behav Biol** 15(3):343–51, Nov 75

Long-term effects of preweaning isolation from littermates in rats. Leigh H, et al. **Behav Biol** 15(2):173–81, Oct 75

Increased running wheel activity and dyadic behavior of rats with hippocampal granule cell deficits. Peters PJ, et al. **Behav Biol** 16(1):91–7, Jan 76

Intraspecific aggression of Peromyscus leucopus. Rowley MH, et al. **Behav Biol** 17(2):249–53, Jun 76

Effects of vicarious reward and punishment on social imitation in chronic psychotics. Chartier GM, et al. **Behav Res Ther** 14(4):303–4, 1976

Further investigation of the relationship between expressed social fear and assertiveness. Hollandsworth JG Jr. **Behav Res Ther** 14(1):85–7, 1976

A controlled evaluation of systematic desensitisation and social skills training for socially inadequate psychiatric patients. Marzillier JS, et al. **Behav Res Ther** 14(3):225–38, 1976

Sobriety as a symptom of alcohol intoxication: a clinical commentary on intoxication and drunkenness. Paredes A, et al. **Br J Addict** 70(3):233–43, Sep 75

Reward allocation between high and low test anxious boys. Benton AA. **Br J Soc Clin Psychol** 14(2):131–8, Jun 75

The efficacy of peer modeling and social conflict in the acquisition of conservation. Botvin GJ, et al. **Child Dev** 46(3):796–99, Sep 75

Social interaction, social competence, and friendship in children. Gottman J, et al. **Child Dev** 46(3):709–18, Sep 75

Latency-group art therapy: teaching socialization skills through art. Virshup E. **Child Welfare** 54(9):624–44, Nov 75

The moral and social responsibilities of the trustees of foundations. Bundy M. **Ciba Found Symp** (30):53–9, 1975

Cognitive aspects of preverbal social interaction between human infants and adults. Papoušek H, et al. **Ciba Found Symp** (33):241–69, 1975

The effect of temperature on a social behavior of weakly electric fish Eigenmannia virescens. Feng AS. **Comp Biochem Physiol [A]** 55(2a):99–102, 1976

Social dynamics of gelada baboons. Dunbar R, et al. **Contrib Primatol** 6:1–157, 1975

The relation of psychological, social, and economic variables to fertility-related decisions. Jaccard JJ, et al. **Demography** 13(3):329–38, Aug 76

Primate social behavior as a method of analysis of drug action: studies with THC in monkeys. Sassenrath EN, et al. **Fed Proc** 35(11):2238–44, Sep 76

Comparison of spatial and orientational relationships as manifestations of divergent modes of social organization in captive groups of Mandrillus sphinx and Theropithecus gelada. Emory GR. **Folia Primatol (Basel)** 24(4):293–314,

1975
Olfactory and visual cues in social interactions of Lemur catta. Mertil AS. **Folia Primatol (Basel)** 26(2):151–61, 1976
Increasing participation in social interaction of the institutionalized elderly. Blackman DK, et al. **Gerontologist** 16(1 Pt1):69–76, Feb 76
Beer: a social facilitator for PMI patients? Burrill RH, et al. **Gerontologist** 14(5 pt 1):430–1, Oct 74
Preliminary observations on media use and food habits of the elderly. Clancy KL. **Gerontologist** 15(6):529–32, Dec 75
Behavioral adaptation to the change in institutional residence. Patnaik B, et al. **Gerontologist** 14(4):305–7, Aug 74
Changing concepts of responsibility. Lowrey JJ. **Hawaii Med J** 34(11):389–5, Nov 75
The aging person in American society. A commentary on social and personal relationships. pp. 165–78. Fleming JH.

In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974.
Sex of parent x sex of child: socioemotional development. pp. 165–89. Lewis M, et al.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
The ontogeny and phylogeny of social interactions. pp. 115–39. Cairns RB.
In: Hahn ME, Simmel EC, ed. Communicative behavior and evolution. New York, Academic Press, 1976. BF 637.C45 S989c 1974.
Altruism, competition and kin selection in populations. pp. 537–46. Eshel I, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.
Sex differences in the activities and social interactions of nursery school children. pp. 799–828. Brindley C, et al.

In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
Differences in behaviour between some arboreal and terrestrial species of African monkeys. pp. 69–100. Chalmers NR.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
An introduction to the socio–ecology of Malayan forest primates. pp. 101–46. Chivers DJ.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
Intergroup encounters in the wild Barbary macaque Macaca sylvanus L. pp. 315–73. Deag JM.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
Social and ecological features of Talapoin monkey – comparisons with sympatric cercopithecines. pp. 147–70. Gautier–Hion A.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
A description of some human greetings. pp. 591–668. Kendon A, et al.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
Population composition and adaptive organisation among orang–utans of the Kutai reserve. pp. 171–209. Rodman PS.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
The social grooming of male chimpanzees. A study of eleven free–living males in the Gombe Stream National Park, Tanzania. pp. 411–505. Simpson MJ.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
The social structure of wild chimpanzees. A review of field studies. pp. 375–410. Sugiyama Y.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971. (26 ref.)
Primate ethology and human social behaviour. pp. 669–88. Waterhouse MJ, et al.
In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.
Experimental models of behavioral–physiological interactions in social chronobiology. pp. 576–81. Andrews RV.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shuin, 1974. QT 167 C557 1971.
The interaction between depot–phenothiazines and the social and clinical manifestations of behaviour in patients with stabilised chronic schizophrenia. pp. 209–22. Hirsch SR.

In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.
Helpful behaviors in groups of mental health professionals and undergraduates. Hurley JR. **Int J Group Psychother** 26(2):173–89, Apr 76
Related social behaviors of students in different types of nursing education programs. Ventura MR. **Int J Nurs Stud** 13(1):3–10, 1976
The role of cognitive process in social interaction. Carr JE, et al. **Int J Soc Psychiatry** 21(3):157–65, Autumn 75
Social and cultural factors influencing drinking behaviour. O'Connor J. **Ir Med J** Suppl:65–71, Jun 75
Teaching social skills to isolated children. Gottman J, et al. **J Abnorm Child Psychol** 4(2):179–97, 1976
The Pupil Evaluation Inventory. A sociometric technique for assessing children's social behavior. Pekarik EG, et al. **J Abnorm Child Psychol** 4(1):83–97, 1976
The comparison of antisocial and prosocial children on multicriterion measures at summer camp. Wodarski JS, et al. **J Abnorm Child Psychol** 3(3):255–73, 1975
Facial expressions and social responsiveness of blind monkeys. Berkson G, et al. **J Abnorm Psychol** 84(5):519–23, Oct 75
Scales for physical and social anhedonia. Chapman LJ, et al. **J Abnorm Psychol** 85(4):374–82, Aug 76
Fear of interpersonal evaluation as a determinant of alcohol consumption in male social drinkers. Higgins RL, et al. **J Abnorm Psychol** 84(6):644–51, Dec 75
Effects of alcohol on aggression in male social drinkers. Lang AR, et al. **J Abnorm Psychol** 84(5):508–18, Oct 75
Persons versus situations in the real–life functioning of chronically institutionalized mental patients. Mariotto MJ, et al. **J Abnorm Psychol** 84(5):483–93, Oct 75
Provocation to anger and opportunity for retaliation as determinants of alcohol consumption in social drinkers. Marlatt GA, et al. **J Abnorm Psychol** 84(6):652–9, Dec 75
Effects of social deprivation and satiation on the reinforcing properties of social stimulation in chronic male hospitalized schizophrenics. Mitchell WS, et al. **J Abnorm Psychol** 84(5):494–7, Oct 75
Premarital sexual behavior and sociocultural factors of college students: A comparison of two Eastern universities. Sorensen AA, et al. **J Am Coll Health Assoc** 24(3):169–74, Feb 76
A psychogeriatric assessment program. I. Social functioning and ward behavior. Dastoor DP, et al. **J Am Geriatr Soc** 23(10):465–71, Oct 75
Social–skills training to modify abusive verbal outbursts in adults. Frederiksen LW, et al. **J Appl Behav Anal** 9(2):117–25, Summer 76
A behavioral probe into social contingencies on a psychosomatic ward. Wooley SC, et al. **J Appl Behav Anal** 8(3):337–9, Fall 75
The behaviour of children at home who were severely malnourished in the first 2 years of life. Richardson SA, et al. **J Biosoc Sci** 7(3):255–67, Jul 75
On describing relationships. Hinde RA. **J Child Psychol Psychiatry** 17(1):1–19, Jan 76
The effects of an aggressive film model on social interaction in groups of middle–class and working–class boys. Kniveton BH, et al. **J Child Psychol Psychiatry** 16(4):301–13, Oct 75
Correlates of ego–level and agency–communion in stage REM dreams of 11–13 year old children. Trupin EW. **J Child Psychol Psychiatry** 17(3):169–80, Jul 76
Minor physical anomalies and inhibited behavior in elementary school girls. Waldrop MF, et al. **J Child Psychol Psychiatry** 17(2):113–22, Apr 76
Effects of drinking on the power and affiliation needs of middle–aged females. Durand DE. **J Clin Psychol** 31(3):549–53, Jul 75
Repression–sensitization and response to the implicit cue requirements of a social situation. House WC. **J Clin Psychol** 31(3):505–9, Jul 75
Emotional and social real–life problem–solving thinking in adolescent and adult psychiatric patients. Siegel JM, et al. **J Clin Psychol** 32(2):230–2, Apr 76
Effects of early exposure to ventral gland odor on physical and behavioral development and adult social behavior in Mongolian gerbils. Blum SL, et al. **J Comp Physiol Psychol** 89(10):1210–9, Dec 75
Modeling influences in social drinking: an experimental analogue. Caudill BD, et al. **J Consult Clin Psychol** 43(3):405–15, Jun 75
Role playing and incentives in the modification of the social interaction of chronic psychiatric patients. Doty DW. **J Consult Clin Psychol** 43(5):676–82, Oct 75
Situational determinants of assertive behaviors. Eisler RM, et al. **J Consult Clin Psychol** 43(3):330–40, Jun 75
Induction of mood states and their effect on cognitive and social behaviors. Hale WD, et al. **J Consult Clin Psychol** 44(1):155, Feb 76
Relative efficacy of modeling and instructions in eliciting social behavior from chronic psychiatric patients. Jaffe PG, et al. **J Consult Clin Psychol** 44(2):200–7, Apr 76
Covert modeling, imagery assessment, and assertive behavior. Kazdin AE. **J Consult Clin Psychol** 43(5):716–24, Oct 75
Brief reports. Strickland BR, et al. **J Consult Clin Psychol** 43(4):587, Aug 75
Altruism in psychiatric patients: how socially concerned are the emotionally disturbed? Tolor A, et al. **J Consult Clin Psychol** 44(4):503–7, Aug 76
Behavioral training of social skills in shy males. Twentyman CT, et al. **J Consult Clin Psychol** 43(3):384–95, Jun 75
'Social sensitivity' and admissions. Malvitz DM. **J Dent Educ** 40(6):345–8, Jun 76
Proceedings: The Mongolian gerbil: scent gland size and marking behaviour as indices of fecundity and social status. Swanson HH, et al. **J Endocrinol** 69(3):24P, Jun 76
Some cognitive, behavioral and personality correlates of maturity of moral judgment. Harris S, et al. **J Genet Psychol** 128(First Half):123–35, Mar 76
Some experiences in feeding the aged. Krasa EJ. **J Geriatr Psychiatry** 9(1):81–3, 1976
Aging as exchange: a preface to theory. Dowd JJ. **J Gerontol** 30(5):584–94, Sep 75
Happiness and social participation in aging. Graney MJ. **J Gerontol** 30(6):701–6, Nov 75
Effects of experience and ethnicity on ratings of life events as stressors. Rosenberg EJ, et al. **J Health Soc Behav** 16(1):127–9, Mar 75
Chacma baboon tactics during intertroop encounters. Hamilton WJ 3d, et al. **J Mammal** 56(4):857–70, Nov 75
Toward a theory of human disease. Fabrega H Jr. **J Nerv Ment Dis** 162(5):299–312, May 76
Feedback EEG reactivity and the social responsivity of psychiatric patients. McLaughlin TJ, et al. **J Nerv Ment Dis** 161(5):336–42, Nov 75
Intellectual and social development following prolonged isolation. Drotar DD, et al. **J Pediatr** 89(4):675–8, Oct 76
Dispositional social anxiety and helping behavior under three conditions of threat. McGovern LP. **J Pers** 44(1):84–97, Mar 76
Individual differences in helping dispositions. Severy LJ. **J Pers Assess** 39(3):282–92, Jun 75
Waiting for a crowd: the behavioral and perceptual effects of anticipated crowding. Baum A, et al. **J Pers Soc Psychol** 32(4):671–9, Oct 75
Empathy and altruism. Krebs D. **J Pers Soc Psychol** 32(6):1134–46, Dec 75
Persons, situations, and time: a genetic view of behavioral change in children. Matheny AP Jr, et al. **J Pers Soc Psychol** 32(6):1106–10, Dec 75
Psychophysiological reactions as a function of life stress and behavioral rigidity. Hebert DJ. **J Psychiatr Nurs** 14(5):23–7, May 76
How to be a helping person. Shanken WJ, et al. **J Psychiatr Nurs** 14(2):24–8, Feb 76
Anxiety as a function of environmental noise and social interaction. Edsell RD. **J Psychol** 92(Second Half):219–26, Mar 76
Mood and helping. Harris MB, et al. **J Psychol** 91(Second Half):215–21, Nov 75
Social and play behaviors of institutionalized mongoloid and nonmongoloid retarded children. Schlottmann RS, et al. **J Psychol** 91(Second Half):201–6, Nov 75
Behavioral adjustment of psychiatric hospital patients and helping behavior. Tipton RM, et al. **J Psychol** 89(Second Half):293–9, Mar 75
Pregnancy blocking in the vole, Microtus agrestis. I. Effect of the social environment. Milligan SR. **J Reprod Fertil** 46(1):91–5, Jan 76
Helping behavior as a function of pictorially induced moods. Donnerstein E, et al. **J Soc Psychol** 97(Second Half):221–5, Dec 75
The effects of confession on altruism. Harris MB, et al. **J Soc Psychol** 96(Second Half):187–92, Aug 75
The effects of ethnicity of subject and accent and dependency of conferderate on aggressiveness and altruism. Harris MB, et al. **J Soc Psychol** 98(First Half):47–53, Feb 76
Effectiveness of various reactions to a hostile attack. Hewitt J, et al. **J Soc Psychol** 96(Second Half):245–53, Aug 75
A behavioral test of three F subscales. Perry A, et al. **J Soc Psychol** 96(Second Half):271–5, Aug 75
Some factors influencing helping: the effects of a handicap, responsibility, and requesting help. Samerotte GC, et al. **J Soc Psychol** 98(First Half):39–45, Feb 76
Some further insight into kin selection. Orlove MJ. **J Theor Biol** 55(2):547–51, Dec 75
Editorial: Disappearance of streetcars. Was spitting responsible? Hussey HH. **JAMA** 234(11):1170, 15 Dec 75
Interaction analysis of change in social performance and personality functioning in a therapeutic community introduction. Manor O. **Ment Health Soc** 2(1–2):109–14, 1975
The observational study of social reciprocity: implications for the mentally retarded. Strain PS, et al. **Ment Retard** 13(4):18–9, Aug 75
Possibilities for social research among profoundly retarded? Cleland CC. **Monogr Am Assoc Ment Defic** (1):134–49, 1973
Group selection in predator–prey communities. Gilpin ME. **Monogr Popul Biol** (9):1–108, 1975
Letter: More on addressing the patient. Michael R. **N Engl J Med** 294(13):733, 25 Mar 76
Letter: Doctor–patient relations. Miller GM. **N Engl J Med** 294(17):959, 22 Apr 76
[Social behavior, musicality and visual perception in monogloid children (author's transl)] Rabensteiner B. **Paediatr Paedol** Suppl 4:59–69, 1975 (Eng. Abstr.)
Perceptions and behaviors of dogmatic subjects in a T–group setting. Davis TB, et al. **Percept Mot Skills** 41(2):375–81, Oct 75
Interest in entering helping activities and self–disclosure to three targets on the Jourard self–disclosure scale. Lombardo JP, et al. **Percept Mot Skills** 42(1):299–302, Feb 76
Extralimbic mediation of emotionality and social cohesiveness effects. Enloe LJ. **Physiol Behav** 15(3):271–6, Sep 75
Septal lesions and the recovery of function in the juvenile hamster. Janzen WB, et al. **Physiol Behav** 16(4):445–52, Apr 76
Effects of septal–fiber knife cuts on rat open–field social behavior. Poplawsky A. **Physiol Behav** 15(2):177–84, Aug

75
The behavior of chickens following embryonic treatment with testosterone propionate. Mauldin JM, et al. **Poult Sci** 54(6):2133–5, Nov 75
Discussion: how long the Tower of Babel? Havens LL. **Proc Am Psychopathol Assoc** (64):62–73, 1976
Group selection, altruism, reinforcement, and throwing in human evolution. Darlington PJ Jr. **Proc Natl Acad Sci USA** 72(9):3748–52, Sep 75
General kin selection models for genetic evolution of sib altruism in diploid and haplodiploid species. Levitt PR. **Proc Natl Acad Sci USA** 72(11):4531–5, Nov 75
Mammalian scent gland marking and social behavior. Thiessen D, et al. **Psychol Bull** 83(4):505–39, Jul 76 (175 ref.)
Psychobiology of partnership behaviour. Ploog D. **Psychol Med** 5(4):327–39, Nov 75
Impact of dogmatism on reactions to unvalidated authority and anti–authority. Bord RJ. **Psychol Rep** 38(3 Pt 2):1219–22, Jun 76
Personality characteristics associated with giving and receiving help. Burke RJ, et al. **Psychol Rep** 38(2):343–53, Apr 76
Litter size, emotionality, learning, and social interaction in C57BL/6J mice. Deitchman R, et al. **Psychol Rep** 39(1):27–31, Aug 76
Relationship between generalized expectancies for control and experienced control among alcoholics. Donovan DM, et al. **Psychol Rep** 37(3 PT 2):1171–6, Dec 75
Internal–control orientation and interpersonal interaction. Hollon C, et al. **Psychol Rep** 38(2):368, Apr 76
Personality and behavioral correlates of cigarette smoking: one–year follow–up. Reynolds C, et al. **Psychol Rep** 38(1):251–8, Feb 76
Social–evaluative anxiety and defensive style. Ross JM, et al. **Psychol Rep** 38(3 Pt 2):1075–8, Jun 76
Evaluating social dysfunction in psychiatric disorder: some considerations for cross–cultural and cross–demographic comparisons. Strauss JS. **Psychopharmacol Bull** 11(4):61–3, Oct 75
Behavioral changes in a juvenile primate social colony with chronic administration of d–amphetamine. Schlemmer RF Jr, et al. **Psychopharmacol Commun** 2(1):49–59, 1976
Force breeding, social disorder and mammary tumor formation in CBA/USC mouse colonies: a pilot study. Henry JP, et al. **Psychosom Med** 37(3):277–83, May–Jun 75
Changing people's behavior toward the environment. Goldsmith FJ, et al. **Public Health Rep** 90(3):231–4, May–Jun 75
Toward a social skills curriculum for developmentally disabled clients in vocational settings. Wehman PH. **Rehabil Lit** 36(11):342–8, Nov 75
Personality and biographical traits of superior and average college basketball officials. Fratzke MR. **Res Q Am Assoc Health Phys Educ** 46(4):484–8, Dec 75
Decisionmaking in elementary children: effects on attitudes and interaction. Mancini VH, et al. **Res Q Am Assoc Health Phys Educ** 47(1):80–5, Mar 76
Social skills of aggressive and nonaggressive adolescents. Pitkänen–Pulkkinen L, et al. **Scand J Psychol** 17(1):10–4, 1976
Haploidploidy and the evolution of the social insect. Trivers RL, et al. **Science** 191(4224):249–63, 23 Jan 76 (128 ref.)
Alcohol effects in old age: an experimental investigation. Mishara BL, et al. **Soc Sci Med** 9(10):535–47, Oct 75
Social tactics and slow learners. Holden J, et al. **Spec Educ Forward Trends** 3(2):25–7, Jun 76
Social skills for slow learners. Laing AF. **Spec Educ Forward Trends** 2(1):27–8, Mar 75
The ontogeny of social behavior in four conilurine rodents (Muridae) of Australia. Happold M. **Z Tierphysiol** 40(3):265–78, Mar 76
On the regulation of pack size in wolves. Zimen E. **Z Tierphysiol** 40(3):300–41, Mar 76
Effects of food ecology on social play: a laboratory simulation. Baldwin JD, et al. **Z Tierpsychol** 40(1):1–14, Jan 76
Social organization of some trinidad bats I. Emballonuridae. Bradbury JW, et al. **Z Tierpsychol** 36:137–183, 1974
Social behavior of the conilurine rodents (Muridae) of Australia. Happold M. **Z Tierpsychol** 40(2):113–82, Feb 76
Social organization and space utilization in the lek–forming white–bearded manakin, M. manacus trinitatis Hartert. Lill A. **Z Tierpsychol** 36:513–30, 1974
A comparative field study of the social behavior and related ecology of reef fishes of the family Chaetodontidae1)2). Reese ES. **Z Tierpsychol** 37(1):37–61, Feb 75
[Androgens and psychosocial behavior in men] Legros JJ. **Rev Med Liege** 30(12):400–5, 15 Jun 75 **(Fre)**
[The influence of role induction on the success of systematic desensitization of socially anxious students (author's transl)] Marquardt K, et al. **Arch Psychiatr Nervenkr** 221(2):123–37, 31 Dec 75 (Eng. Abstr.) **(Ger)**
[Cognitive representation of behavioral alternatives in their relationship to positive and negative consequences] Bierhoff HW. **Arch Psychol (Frankf)** 126(2–4):131–46, 1974 (Eng. Abstr.) **(Ger)**
[Psychological and social aspects of overweight children (author's transl)] Czerwenka–Wenkstetten G, et al. **Paediatr Paedol** 11(1):151–7, 1976 (Eng. Abstr.) **(Ger)**
[Social criticism in the interpretation process] Parin P. **Psyche (Stuttg)** 29(2):97–117, Feb 75 (Eng. Abstr.) **(Ger)**
[Social differences in the health behavior of women in urban and rural areas] Hüttner H, et al. **Z Gesamte Hyg** 21(11):831–7, 1975 (Eng. Abstr.) **(Ger)**
[Social organization and behavior of Grevy's zebra (Equus grevyi)] Klingel H. **Z Tierpsychol** 36:37–70, 1974 (Eng. Abstr.) **(Ger)**
[Individual bonds between cattle] Sambraus HH. **Zentralbl Veterinaermed** [A] 23(3):248–57, Apr 76 (Eng. Abstr.) **(Ger)**
[The Gross Rosen camp. A few observations] Piórek J. **Przegl Lek** 33(1):184–8, 1976 **(Pol)**
[Avoidance reactions to painful stimulation of another individual following destruction of the rat amygdala] Simonov PV, et al. **Zh Vyssh Nerv Deiat** 25(2):350–5, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of testosterone propionate on the social behaviour of groups of male comestic ducklings Anas platyrhynchos L. Balthazart J, et al. **Anim Behav** 23(4):926–31, Nov 75
Pimozide and the social behavior of schizophrenics. Lapierre YD, et al. **Curr Ther Res** 18(1 pt 2):181–88, Jul 75
Hormones and social behavior in the lizard, Anolis carolinensis. Mason P, et al. **Horm Behav** 7(1):75–86, Mar 76
Fetal androgens, human central nervous system differentiation, and behavior sex differences. pp. 33–51. Ehrhardt AA, et al.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Prenatal testosterone in the nonhuman primate and its consequences for behavior. pp. 19–32. Phoenix CH.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973. (28 ref.)
Measurement of the effects of drugs on activity of permanent groups of rats. Norton S, et al. **Psychopharmacol Commun** 1(2):131–8, 1975
Monkey motor stimulation and altered social behavior during chronic methadone administration. Crowley TJ, et al. **Psychopharmacologia** 43(2):135–44, 21 Aug 75
Behavioural changes in laboratory mice during cannabis feeding and withdrawal. Cutler MG, et al. **Psychopharmacologia** 44(2):173–7, 31 Oct 75
Effects of delta–9–tetrahydrocannabinol on social behaviour in the laboratory mouse and rat. Cutler MG, et al. **Psychopharmacologia** 44(3):287–9, 21 Nov 75
Effects of delta9–tetrahydrocannabinol on social behaviour in mice: comparison between two vehicles. Dorr M, et al. **Psychopharmacologia** 47(1):87–91, 5 May 76
The effect of pyrithioxine and pyridoxine on individual behavior, social interactions, and learning in rats malnourished in early postnatal life. Tikal K, et al. **Psychopharmacologia** 46(3):325–32, 15 Apr 76

SOCIAL BEHAVIOR DISORDERS

see related
ANTISOCIAL PERSONALITY
Problem behaviors as operants: applications with elderly individuals. Hoyer WJ, et al. **Gerontologist** 15(5 PT 1):452–6, Oct 75
Social decentering and locus of control in children. Deysach RE, et al. **J Psychol** 90(Second Half):229–35, Jul 75
Editorial: The time in which we live. Hussey HH. **JAMA** 234(5):521, 3 Nov 75
Effect of television violence on children and youth. Rothenberg MB. **JAMA** 234(10):1043–6, 8 Dec 75
Disturbed behaviour in the older patient. Davidson R. **Practitioner** 215(1289):600–5, Nov 75
Sociology and the theory of responsibility: 'social background' as an excuse for crime. Floud J. **Psychol Med** 5(3):227–38, Aug 75
[Power and disintegration in society] Scott JP. **Z Klin Psychol Psychother** 24(1):63–7, 1976 **(Ger)**
[Medicolegal aspects of chronic alcoholism. Considerations on the behavior of 285 chronic alcoholics] Campanini T, et al. **Ateneo Parmense [Acta Biomed]** 46(4):275–83, Jul–Aug 75 (Eng. Abstr.) **(Ita)**
[Social unsuitability in the developmental age. Hypothesis for new structures helping social adjustment] Tamburino G, et al. **Quad Criminol Clin** 17(2):227–64, Apr–Jun 75 (Eng. Abstr.) **(Ita)**
[Sex chromosomes and social deviants. Reflexions on a 'crushed' theory] Forssman H. **Lakartidningen** 73(6):422–4, 4 Feb 76 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

[Comparative socio–demographic characteristics of schizophrenic patients committing socially dangerous acts] Shumakov VM, et al. **Zh Nevropatol Psikhiatr** 75(11):1691–5, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Psychiatric evaluation and classification of antisocial activities. Revitch E. **Dis Nerv Syst** 36(8):419–21, Aug 75
A statistical note on 'differential misdiagnosis of blacks and whites by the MMPI'. Shore RE. **J Pers Assess** 40(1):21–3, Feb 76
[Evaluation scale for identification of withdrawn children in kindergartens] Cranach B, et al. **Prax Kinderpsychol Kinderpsychiatr** 25(4):146–55, May–Jun 76 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Letter: Sulthiame in the management of psychiatric patients. Bennie EH, et al. **Br J Psychiatry** 128:511–2, May 76
An investigation of clozapine in the treatment of acute and chronic schizophrenia and gross behaviour disorders. Hemphill RE, et al. **S Afr Med J** 49(51):2121–5, 29 Nov 75

ETIOLOGY

The assessment of social breakdown in newly–admitted psychiatric patients. Clemmey R, et al. **Br J Psychiatry** 127:417–31, Nov 75
Violence in the South Pacific. Moore RW. **Ment Health Soc** 1(5–6):292–6, 1974
[Reflections on temporal epilepsy in the child] Boucharlat PJ, et al. **Ann Med Psychol (Paris)** 134(4):553–5, Apr 76 **(Fre)**
[Thefts without motive of gain as a psychopathologic syndrome (author's transl)] Pauleikhoff B, et al. **Fortschr Neurol Psychiatr** 43(5):254–71, May 75 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Antisocial behaviour and variations in length of Y chromosome (author's transl)] Benezech M, et al. **Hum Genet** 32(1):77–80, 15 Apr 76 (Eng. Abstr.) **(Fre)**
[Current developments in genetics and their implications concerning the problems of social deviations] Shah SA. **Quad Criminol Clin** 17(2):173–226, Apr–Jun 75 (Eng. Abstr.) **(Ita)**

OCCURRENCE

The XYY syndrome. Pitcher DR. **Br J Psychiatry** Spec No 9:316–25, 1975 (39 ref.)

REHABILITATION

[Self–help for social outcasts] pp. 155–61. Haesler WT.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

THERAPY

Helping excessively shy patients to develop social skills. **Drug Ther Bull** 13(23):90–1, 7 Nov 75
Managing problem behaviors of elderly patients. Oberleder M. **Hosp Community Psychiatry** 27(5):325–30, May 76
A social club spontaneously formed by ex–patients who had suffered from anthropophobia (Taijin kyofu (sho)). Takahashi T. **Int J Soc Psychiatry** 21(2):137–40, Summer 75
Contingency management of self–report and cleaning behavior. Lyman RD, et al. **J Abnorm Child Psychol** 3(2):155–62, 1975
Control of screaming behavior using aversive conditioning and time–out. Matheson WE, et al. **J Psychiatr Nurs** 14(9):27–8, Sep 76
The Butler report. Martin A. **Nurs Times** 71(51):2007, 18 Dec 75
[Socio–educational aspects of adolescents with behavioral disorders—during their stay in a diagnostic center for adolescent psychiatry] Rentein BV. **Med Welt** 27(4):146–8, 23 Jan 76 **(Ger)**

SOCIAL BREAKDOWN SYNDROME see under **SOCIAL BEHAVIOR DISORDERS**

SOCIAL CHANGE

see related
GROUP PROCESSES
After the Aquarian age: observations on the changing face of heroin addiction in a San Francisco clinic population. Newmeyer JA. **Am J Drug Alcohol Abuse** 1(2):199–206, 1974
Residential treatment today: the paradox of new premises. Goldsmith JM. **Am J Orthopsychiatry** 46(3):425–33, Jul 76
Editorial: Education and our postindustrial society. Lesse S. **Am J Psychother** 29(3):303–7, Jul 75
Societal change and public health: A rediscovery. Miller CA. **Am J Public Health** 66(1):54–60, Jan 76
The real self: from institution to impulse. Turner RH. **Am J Sociol** 81(5):989–1016, Mar 76
Psychosocial reactions to scientific change. Marmor J. **Aust NZ J Psychiatry** 9(3):149–52, Sep 75
The interplay of changes in society, reproductive habits, and obstetric practice in Scotland between 1922 and 1972. Baird D. **Br J Prev Soc Med** 29(3):135–46, Sep 75
Adolescence in a time of transition. Moriarty AE, et al. **Bull Menninger Clin** 39(5):391–408, Sep 75
Some observations on 'sisterhood' in the feminist movement. Renik O. **Bull Menninger Clin** 39(4):345–56, Jul 75
Using a facilitator as a change agent in social systems. Jones M. **Hosp Community Psychiatry** 27(3):198–9, Mar 76
The academic medical center as a social force. pp. 203–8. Cooper JA.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 1618p 1974.
Nonmedical factors in population change. pp. 55–78. Wolfers D.
In: Bloch LS, ed. Population change: a strategy for

physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.

Problem drinking in the perspective of social change, 1940–1973. pp. 29–56. Straus R.
In: Filstead WJ, et al., ed. Alcohol and alcohol problems. Cambridge, Mass., Ballinger, 1976. WM 274 L973a 1973.

Ethical and social implications. pp. 771–7. Parsons T.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975.

Modernity, social structure, and mental health of Eskimos in the Canadian eastern arctic. pp. 479–89. Sampath HM.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Social factors in family planning. pp. 269–80. Robertson ME.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

The culture of youth and drug abuse in some European countries. Battegay R, et al. **Int J Addict** 11(2):245–61, 1976

Recent trends in the demography of heroin addiction among youthful offenders. Platt JJ. **Int J Addict** 11(2):221–36, 1976

Psychoanalysis and the process of change. An essay on the past, present and future. Rangell L. **Int J Psychoanal** 56(1):87–98, 1975 (Eng. Abstr.)

A subcultural change of MMPI norms in the 1960s due to adolescent role confusion and glamorization of alienation. Schubert DS, et al. **J Abnorm Psychol** 84(4):406–11, Aug 75

Impact of social forces on mental health. Sachs BC. **J Am Med Wom Assoc** 30(11):439–44, Nov 75

Extramarital relationships: a reapraisal. Weil MW. **J Clin Psychol** 31(4):723–5, Oct 75

Modernization, modernity, and perceptions of aging: A cross-cultural study. Bengtson VL, et al. **J Gerontol** 30(6):688–95, Nov 75

Editorial: The problems of adolescence. Mukerjee AB. **J Indian Med Assoc** 66(4):87–9, 16 Feb 76

Are Rorschach responses influenced by society's change? Ames LB. **J Pers Assess** 39(5):439–52, Oct 75

Arbitrary norms and social change in high- and low-authoritarian societies. Montogmery RL, et al. **J Pers Soc Psychol** 33(6):698–708, Jun 76

International trends. David HP. **J Psychiatr Nurs** 14(3):29–34, Mar 76

Status quo is certain death. Hightower MD. **J Rehabil** 42(2):32–5, 41, 43, Mar–Apr 76

Medicine's 'future shock'. Hunter WH. **J SC Med Assoc** 71(7):207–9, Jul 75

The relationship between organizational strategies and personality change among peasants in West Malaysia. Sivalingam G. **J Soc Psychol** 98(Second Half):165–74, Apr 76

Evaluation of training for nonviolent direct action. Blumberg HH, et al. **Ment Health Soc** 1(5–6):364–75, 1974

Violence in the South Pacific. Moore RW. **Ment Health Soc** 1(5–6):292–6, 1974

Social change in the West Germany university and new methods of student care. Sperling E. **Ment Health Soc** 1(5–6):261–4, 1974

Shift from material to social demands ahead. Holmgren JH. **Mod Health Care** 6(2):49, 52, Aug 76

Community medicine: success or failure? Lathem W. **N Engl J Med** 295(1):18–23, 1 Jul 76

Chilean medicine under social revolution. Medina E, et al. **N Engl J Med** 295(4):193–7, 22 Jul 76

You can come home again. Ingles T. **Nurs Outlook** 24(8):494–5, Aug 76

Cultural lag and occupational health Nursing. Talbot D. **Occup Health Nurs (NY)** 23(10):11–5, Oct 75

The medical profession and cultural change. Burnham JC. **Pa Med** 79(7):56–63, Jul 76

Motivation, crime, and cultural change: a review of fifteen years experience in the law courts. Burton-Bradley BG. **Papua New Guinea Med J** 18(3):166–71, Sep 76

Commentaries: Life-style change—a difficult challenge. Heagarty MC. **Pediatrics** 58(3):314–5, Sep 76

Postwar writing and the literature of the women's liberation movement. Haymes HJ. **Psychiatry** 38(4):328–33, Nov 75

Feelings of internal control, grade point average and social action participation. Arkell RN. **Psychol Rep** 38(1):266, Feb 76

Changes in patterns of psychological disturbance among college students. Jacob T, et al. **Psychol Rep** 37(3 PT 2):1267–70, Dec 75

Editorial: Reflections on revolution in social structure and science. Rigler LG. **Radiology** 120(1):231–2, Jul 76

Epidemic hysteria and social change: an outbreak in a lower secondary school in Malaysia. Teoh J. **Singapore Med J** 16(4):301–6, Dec 75

Socioeconomic changes, maternal age, and Down's syndrome in a Swedish population. Modrzewska K. **Soc Biol** 23(1):86–9, Spring 76

[Social change and mental health. The change of a mountain village in the Alps from an agricultural community to tourist attraction] Guntern G. **Psychiatr Clin (Basel)** 7(4–5):287–313, 1974 (Eng. Abstr.) **(Ger)**

[The significance of preventive medicine in a modern industrial society] de Werth C. **Z Allgemeinmed** 51(31):1432–4, 10 Nov 75 **(Ger)**

[Mental disorders and social changes – an observation at a public psychiatric hospital in Japan] **Psychiatr Neurol Jpn** 77(6):416–19, 25 Jun 75 **(Jpn)**

[Changes of the subjects in fantasy of schizophrenic patients – a study of medical records of Matsuzawa Hospital covering the Meiji, Taisho and Showa eras] Fujimori H. **Psychiatr Neurol Jpn** 77(6):409–16, 25 Jun 75 **(Jpn)**

[Mental disorders and social changes] Okagami K. **Psychiatr Neurol Jpn** 77(6):437–40, 25 Jun 75 **(Jpn)**

[Mental disorders and social changes – a child welfare problem] Ozawa K. **Psychiatr Neurol Jpn** 77(6):440–9, 25 Jun 75 **(Jpn)**

[Care of mental patients and social changes – an experience in Okinawa] Shima N. **Psychiatr Neurol Jpn** 77(6):449–55, 25 Jun 75 **(Jpn)**

[Mental disorders and social changes] Terajima S. **Psychiatr Neurol Jpn** 77(6):427–37, 25 Jun 75 **(Jpn)**

[Mental disorders and social changes] Tsuji S. **Psychiatr Neurol Jpn** 77(6):392–4, 25 Jun 75 **(Jpn)**

[Sexuality and some aspects of social development] Imieliński K. **Ginekol Pol** 46(10):1089–94, Oct 75 (Eng. Abstr.) **(Pol)**

SOCIAL CLASS

Attitudes of middle-class heroin abusers towards representatives of the educational system. Rathus SA, et al. **Adolescence** 11(41):1–6, Spring 76

The psychodynamics of opiate dependence: a new look. Kaufman E. **Am J Drug Alcohol Abuse** 1(3):349–70, 1974

Social class, susceptibility and sickness. Syme SL, et al. **Am J Epidemiol** 104(1):1–8, Jul 76 (64 ref.)

Relationships between symptomatology and SES-related factors in hyperkinetic/MBD boys. Paternite CE, et al. **Am J Orthopsychiatry** 46(2):291–301, Apr 76

The interaction of social class and other factors in the etiology of schizophrenia. Kohn ML. **Am J Psychiatry** 133(2):177–80, Feb 76

Psychotherapy with patients from lower socioeconomic groups. Siassi I, et al. **Am J Psychother** 30(1):29–40, Jan 76

The underdevelopment of health of working America: causes, consequences and possible solutions. Navarro V. **Am J Public Health** 66(6):538–47, Jun 76

Why and when is status inconsistency stressful? House JS, et al. **Am J Sociol** 81(2):395–412, Sep 75

Status inequality and stress in marriage. Pearlin LI. **Am Sociol Rev** 40(3):344–57, Jun 75

Social class, length of treatment contacts and the outpatient treatment of alcoholism. Kalb M. **Br J Addict** 70(3):253–62, Sep 75

Social background and diagnosis. Survey of Male Clinic Registrations. Heywood CP, et al. **Br J Vener Dis** 51(6):405–9, Dec 75

Changing status of doctors in Finland. Kekki P. **Br Med J** 4(5991):273–5, 1 Nov 75

Social class and preschool language skill: IV. semantic mastery of shapes. Hunt J, et al. **Genet Psychol Monogr** 92(First half):115–29, Aug 75

Social class and preschool language skill: III. Semantic mastery of position information. Hunt JM, et al. **Genet Psychol Monogr** 91(Second Half):317–37, May 75

Social class and preschool language skill: V. Cognitive and semantic mastery of number. Kirk GE, et al. **Genet Psychol Monogr** 92(First half):131–53, Aug 75

Social class and preschool language skill. I. Introduction. Kirk GE, et al. **Genet Psychol Monogr** 91(Second Half):281–98, May 75

Social class and preschool language skill: II. semantic mastery of color information. Kirk GE, et al. **Genet Psychol Monogr** 91(Second Half):299–316, May 75

Interrelationships among children's environmental variables as related to age, sex, race, and socioeconimic status. Peisach E, et al. **Genet Psychol Monogr** 92(First half):3–17, Aug 75

Rehabilitation performance and adjustment in stroke patients: a study of social class factors. Powell BR, et al. **Genet Psychol Monogr** 93(2):287–352, May 76

Attitudes toward the aged as a function of race and social class. Thorson JA. **Gerontologist** 15(4):343–4, Aug 75

Letter: Conformity vs. concern. Luria SE. **Hastings Cent Rep** 6(2):4, Apr 76

Behavioral technology for the normal middle-class family. pp. 34–60. Risley TR, et al.
In: Mash EJ, et al., ed. Behavior modification and families. New York, Brunner/Mazel, 1976. W3 BA203 1974b.

Modernity, social structure, and mental health of Eskimos in the Canadian eastern arctic. pp. 479–89. Sampath HM.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Social class variations in health care and in the nature of general practitioner consultations. pp. 77–98. Cartwright A, et al.
In: Stacey M, ed. The sociology of the National Health Service. Keele, Univ of Keele, 1976. W1 SO879F no.22 1976.

Socio-economic factors effected by an in-hospital cardiac rehabilitation program. pp. 96–100. Acker JE Jr.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Psychosocial factors in coronary risk and rehabilitation. pp. 35–41. Friedman EH.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Hospital workers: class conflicts in the making. Ehrenreich B, et al. **Int J Health Serv** 5(1):43–51, 1975

Economic class and differential access to care: comparisons among health care systems. Salkever DS. **Int J Health Serv** 5(3):373–95, 1975

Relationships of children's grade in school, sex, and social class to teachers' ratings on the behavior problem checklist. Touliatos J, et al. **J Abnorm Child Psychol** 3(2):115–26, 1975

Physique and socio-economic variables in university girls. Dann TC, et al. **J Biosoc Sci** 8(1):61–8, Jan 76

The effects of an aggressive film model on social interaction in groups of middle-class and working-class boys. Kniveton BH, et al. **J Child Psychol Psychiatry** 16(4):301–13, Oct 75

Affluence and cardiovascular risk factors in Mexican-Americans and other whites in three northern California communities. Stern MP, et al. **J Chronic Dis** 28(11–12):623–36, Dec 75

Ethnicity, socioeconomic status, and pattern of WISC scores as variables that affect psychologists' estimates of 'effective intelligence'. Sattler JM, et al. **J Clin Psychol** 32(2):362–6, Apr 76

Social class and diagnostic suggestion as variables in clinical judgment. Di Nardo PA. **J Consult Clin Psychol** 43(3):363–8, Jun 75

Confounding of personality and social class characteristics in research on premature termination. Stern SL, et al. **J Consult Clin Psychol** 43(3):341–4, Jun 75

Social class and association membership: an analysis of age-graded and non-age-graded voluntary participation. Trela JE. **J Gerontol** 31(2):198–203, Mar 76

Status inconsistency and psychiatric diagnosis: a structural approach to labeling theory. Baldwin BA, et al. **J Health Soc Behav** 16(3):257–67, Sep 75

Social class and the sick role: examining the issue of mutual influence. Britt DW. **J Health Soc Behav** 16(2):178–82, Jun 75

The changing relationship between socioeconomic status and infant mortality: an analysis of state characteristics. Brooks CH. **J Health Soc Behav** 16(3):291–303, Sep 75

Status inconsistency, mobility and CHD: a reply to Horan and Gray. Shekelle RB. **J Health Soc Behav** 17(1):83–7, Mar 76

A social indicator of access to medical care. Taylor DG, et al. **J Health Soc Behav** 16(1):39–49, Mar 75

Patient-audience social status and the social construction of psychiatric disorders: toward a differential frame of reference hypothesis. Wilkinson GS. **J Health Soc Behav** 16(1):28–38, Mar 75

Social class assessments: implied cause, effect, solutions and a need for caution. Sootkoos AC. **J Psychiatr Nurs** 14(6):42–3, Jun 76

The modal personality of urban black middle-class elementary school children. Shade BJ. **J Psychol** 92(Second Half):267–75, Mar 76

White-collar and blue-collar responses to heart attack. Hackett TP, et al. **J Psychosom Res** 20(2):85–95, 1976

Status perception through syntax. Callary RE. **Lang Speech** 17(2):187–92, Apr–Jun 74

Social class, reference and context. Francis H. **Lang Speech** 17(2):193–8, Apr–Jun 74

Comparison of the factorial structure of oral coding patterns for a middle-class and a working-class group. Poole ME. **Lang Speech** 17(3):222–39, Jul–Sep 74

Context and complexity in working class language. Rushton J, et al. **Lang Speech** 18(4):366–87, Oct–Dec 75

Dialectal differences between middle-class black and white children who do and do not associate with lower-class black children. Terrell F. **Lang Speech** 18(1):65–73, Jan–Mar 75

Mental health and middle America. Giordano J, et al. **MH** 59(4):26–31, Fall–Winter 75

Effects of field-dependency, social class and sex of children between ages 5 and 10. Cecchini M, et al. **Percept Mot Skills** 41(1):155–64, Aug 75

Socio-economic differences in size-judgments of discs and coins by Chinese primary VI children in Hong Kong. Dawson J. **Percept Mot Skills** 41(1):107–10, Aug 75

Relationship between age, socioeconomic status, and field independence. Gruenfeld LW, et al. **Percept Mot Skills** 41(2):449–50, Oct 75

Social class and mental disorder. Levy L. **Psychiatr Clin (Basel)** 7(4–5):271–86, 1974 (34 ref.)

Jóge Kankei: a key concept for an understanding of Japanese-American achievement. Connor JW. **Psychiatry** 39(3):266–79, Aug 76

Preparatory techniques in initiating expressive psychotherapy with lower-class, unsophisticated patients. Heitler JB. **Psychol Bull** 83(2):339–52, Mar 76 (71 ref.)

Authoritarianism, alienation, and related variables: a correlational and factor-analytic study. Knapp RJ. **Psychol Bull** 83(2):194–212, Mar 76

Social background variables, referral sources and life events of male and female alcoholics. Hoffmann H, et al. **Psychol Rep** 37(3 PT 2):1087–92, Dec 75

Social class and frequency of XYY and XXY. Walzer S, et al. **Science** 190(4220):1228–9, 19 Dec 75

Child mortality, social status, and fertility in India: a note on Singh's paper. Dasvarma GL, et al. **Soc Biol** 23(1):90–2, Spring 76

Birth order, family size, social class, and intelligence. Marjoribanks K, et al. **Soc Biol** 22(3):261–8, Fall 75

Analysis of genetic and environmental sources of variation

in serum cholesterol in Tecumseh, Michigan: II. The role of education, occupation, and income. Orr JD, et al. **Soc Biol** 22(1):34–43, Spring 75

Letter: Observations on 'a re-examination of the heritability of fertility in the British peerage,' by Williams and Williams. Reid RM. **Soc Biol** 22(3):285–8, Fall 75

Child mortality, social status, and fertility in India. Singh KP. **Soc Biol** 21(4):385–8, Winter 74

XYY syndrome, stigmatization, social class, and aggression: study of 15 cases. Money J, et al. **South Med J** 68(12):1536–42, Dec 75

Social class and mental illness in a general hospital psychiatric unit in Jamaica. Hickling FW. **West Indian Med J** 24(2):76–83, Jun 75

[Social status of pathologists] Peychl L, et al. **Cesk Patol** 11(2):107–8, May 75 (Eng. Abstr.) **(Cze)**

[Socio-occupational data in psychiatric research—an attempt to construct a classification system] pp. 53–61. Bovet J, et al.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

[Sensitivity to changes in the weather and social class] Faust V. **Med Welt** 26(45):2074–80, 7 Nov 75 **(Ger)**

[Stratum-specific difficulties in the use of psychoanalysis (author's transl)] Cremerius J. **Munch Med Wochenschr** 117(29–30):1229–32, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[The extent of the relationship of dental care and dental status to social class] Huber A, et al. **Soz Praeventivmed** 20(5):204–5, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Language and social setting – experiment of an emancipatory language teaching (author's transl)] Wieler ER. **Ther Umsch** 32(9):593–8, Sep 75 (Eng. Abstr.) **(Ger)**

[Socio-cultural aspects of mildly mentally retarded children in Warsaw] Firkowska A, et al. **Z Gesamte Hyg** 20(11):796–800, Nov 74 **(Ger)**

[Social status and therapeutic results in uterine cervix cancer] Sablińska B. **Ginekol Pol** 47(6):617–22, 1976 (Eng. Abstr.) **(Pol)**

[Some environmental determinants of simple obesity in school children] Luszawska H. **Pediatr Pol** 51(6):679–88, Jun 76 (Eng. Abstr.) **(Pol)**

SOCIAL CLUBS see under **ORGANIZATIONS**

SOCIAL CONDITIONS

An intensive study of mental disorders and related social variables in different neighbourhoods in Oslo. Dalgard OS. **Acta Psychiatr Scand [Suppl]** (263):43–6, 1975

Jewish children in colonial times. Bloch H. **Am J Dis Child** 130(7):711–3, Jul 76

The health and welfare of the black family in the United States. A historical and institutional analysis. Scott RB, et al. **Am J Dis Child** 130(7):704–7, Jul 76

ANA: its record on social issues. Zimmerman A. **Am J Nurs** 76(4):588–90, Apr 76

Children in a warring world. Escalona SK. **Am J Orthopsychiatry** 45(5):765–72, Oct 75

Editorial practices of psychiatric and related journals: implications for women. Benedek EP. **Am J Psychiatry** 133(1):89–92, Jan 76

Pseudohomosexuality in feminist students. Defries Z. **Am J Psychiatry** 133(4):400–4, Apr 76

Modern alienation and the good old days. Grey A. **Am J Psychoanal** 35(2):123–33, Summer 75

Feminism and women analysts. Prado M. **Am J Psychoanal** 36(1):79–84, Spring 76

Social and political uses of genetics in the United States: past and present. Beckwith J. **Ann NY Acad Sci** 265:46–58, 1976

Ghetto hiring. Besgeier GP. **Arch Environ Health** 30(9):440–1, Sep 75

Health Survey – disadvantaged schools. Roberts RW, et al. **Aust Paediatr J** 12(1):31–6, Mar 76

Genetic screening as a political and social development. Powledge TM. **Birth Defects** 10(6):25–55, 1974

Editorial: Social trends. **Br Med J** 1(6003):178, 24 Jan 76

Positive mental health, Western society and the family. Wertheim ES. **Int J Soc Psychiatry** 21(4):247–55, Winter 75

Socioeconomic and need determinants of ambulatory care use: path analysis of the 1970 Health Interview Survey data. Berki SE, et al. **Med Care** 14(5):405–21, May 76

Psychological and social factors as predictors of medical behavior. Kirscht JP, et al. **Med Care** 14(5):422–31, May 76

The effects of social characteristics on the utilization of preventive medical services in contrasting health care programs. Slesinger DP, et al. **Med Care** 14(5):392–404, May 76

Influence of nutrition and social conditions on school performance of aboriginal children. Dugdale AE, et al. **Med J Aust** 2(3):1–6, 16 Aug 75

Society and the doctor. Kachoria RB. **Med J Aust** 2(2 Suppl):14–5, 23 Aug 75

A growing nightmare. Bosanquet N. **Nurs Times** 71(40):1562–3, 2 Oct 75

The place of early social assessment in the management of surgical patients. Bates T, et al. **Postgrad Med J** 52(604):61–5, Feb 76

The social and psychological reality of European witchcraft beliefs. Connor JW. **Psychiatry** 38(4):336–80, Nov 75

Stress in everyday life. (a) Stress in society. Stewart GT. **R Soc Health J** 95(2):65–9, Apr 75

On pensioners' circumstances in a large Swedish city. A report from Malmö. Bolin A, et al. **Scand J Soc Med** 4(2):75–83, 1976

Health situation and related social conditions among 66-year-old Finnish men. Heikkinen E, et al. **Scand J Soc Med** 4(2):71–4, 1976

[Socioeconomic conditions among patients Copenhagen's public health physicians in 1975. Social strata and housing conditions] Boisen E. **Ugeskr Laeger** 138(27):1663–9, 28 Jun 76 (Eng. Abstr.) **(Dan)**

[Housing conditions of Erfurt medical students] Jalant W, et al. **Aerztl Jugendkd** 66(3):269–70, Sep 75 **(Ger)**

[Housing and care for students in student homes in the German Democratic Republic] Korneli P, et al. **Aerztl Jugendkd** 66(3):265–8, Sep 75 **(Ger)**

[Studies of illumination as a contribution to the hygienic analysis of living and study conditions in colleges] Muschter W, et al. **Aerztl Jugendkd** 66(3):261–4, Sep 75 **(Ger)**

[Living conditions od a selected group of college students] Provazniková H, et al. **Aerztl Jugendkd** 66(3):258–60, Sep 75 **(Ger)**

[Socioeconomic factors] Mau G, et al. **Arch Gynaekol** 219(1–4):267–9. 18 Nov 75 **(Ger)**

[Infant mortality, premature birth, social factors (author's transl)] Keding G. **Munch Med Wochenschr** 118(4):91–4, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[Letter: Critical comments on the paper by Th. Vogel and J. Vliegen: The social consequences of schizophrenia' (this J., 46, 569–575 (1975)] Müller P. **Nervenarzt** 47(8):526, Aug 76 **(Ger)**

Erwiderung auf die methodenkritische Diskussionsbemerkung von P. Müller zu unserer Arbeit: 'Soziale Auswirkungen der Schizophrenie'V 565–575 (1976)] Vogel Th, et al. **Nervenarzt** 47(8):527, Aug 76 **(Ger)**

[Social condition of handicapped children and adolescents in the care of the health office (author's transl)] Török M, et al. **Oeff Gesundheitswes** 37(7):396–404, Jul 75 (Eng. Abstr.) **(Ger)**

[Fight of the Leipzig workers for a new organization of medical care during the physician's strike in 1904] Moschke G. **Z Aerztl Fortbild (Jena)** 69(21):1141–3, 1 Nov 75 **(Ger)**

[Effect of social conditions in the family and the parents' home as a prerequisite for the success of health education] Reis K. **Z Gesamte Hyg** 22(7):542–5, Jul 76 (Eng. Abstr.) **(Ger)**

[Social conditions and problems of mental health in 2 urban districts of Florence. Preliminary research for the establishment of a psychiatric staff] Carcasci P, et al. **Riv Neurobiol** 19(1–2):123–44, Jan–Jun 73 (Eng. Abstr.) **(Ita)**

[The role of science in this deeply troubled world (author's transl)] Handler P. **J Jpn Biochem Soc** 47(7):293–302, 25 Jul 75 **(Jpn)**

[Occupational disability among individuals 30–49 years of age. Sociomedical population study in a slum area] Hanoa R. **Tidsskr Nor Laegeforen** 95(29):1655–61, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Social-medicine aspects of gynecological care in Yugoslavia] Ferenčević S. **Nar Zdrav** 30(11–12):265–8, Nov–Dec 74 **(Ser)**

[Philosophical, sociological and legal aspects of the theory of planned parenthood] Mladenović M. **Nar Zdrav** 30(11–12):257–64, 1 Sep 75 **(Ser)**

SOCIAL CONFORMITY

see related
SOCIAL CONTROL, INFORMAL

The flower children of Ontario. Smiley CW. **Am J Psychoanal** 35(3):279–83, Fall 75

The 'flower children' of Sudbury. Smiley CW. **Bull NY Acad Med** 51(8):991–6, Sep 75

A clinic for hippies. Smiley CW. **Curr Psychiatr Ther** 15:71–4, 1975

Letter: Conformity vs. concern. Luria SE. **Hastings Cent Rep** 6(2):4, Apr 76

Dependency, rebelliousness in the adolescent drug abuser. pp. 273–6. Klein AJ, et al.
In: Singh JM, Lal H, ed. Drug addiction. Vol 4: New aspects of analytical and clinical toxicology. New York, Stratton, 1974. W3 IN917KC 1973d.

Conformity and modeling in an aversive task. Belvedere E, et al. **J Clin Psychol** 32(2):265–7, Apr 76

Conformity and psychopathology: a comparative study of conformity behaviors in manic-depressive, paranoid schizophrenic and normal populations. Marsella AJ. **J Clin Psychol** 31(3):402–8, Jul 75

Person perception and the Berkowitz paradigm for the study of aggression. Kane TR, et al. **J Pers Soc Psychol** 33(6):663–73, Jun 76

Arbitrary norms and social change in high- and low-authoritarian societies. Montogmery RL, et al. **J Pers Soc Psychol** 33(6):698–708, Jun 76

The influence of males and females on the psychophysical judgments of females. Saltzstein HD, et al. **J Psychol** 90(Second Half):259–68, Jul 75

MMPI profiles of cohabiting college students. Catlin N, et al. **Psychol Rep** 38(2):407–10, Apr 76

Comparative levels of creative ability among students with and without behavior problems. Glover JA, et al. **Psychol Rep** 38(3 Pt 2):1171–4, Jun 76

Levels of dogmatism and social distance attitudes toward hippies. Steffensmeier DJ. **Psychol Rep** 38(1):222, Feb 76

The flower children of Sudbury. The story of a street clinic for hippies. Smiley CW. **Scand J Soc Med** 3(3):139–42, 1975

The flower children of Sudbury: a note on social work services for a counterculture population. Smiley CW. **Soc Biol** 22(2):189–93, Summer 75

[Integrationism versus nonconformism. Two slogans and two programs] Bodenheimer AR. **Z Psychosom Med Psychoanal** 22(2):198–205, Apr–Jun 76 (Eng. Abstr.) **(Ger)**

SOCIAL CONTROL, FORMAL

Changes in drinking age and per capita beer consumption in ten Canadian provinces. Smart RG, et al. **Addict Dis** 2(3):393–402, 1976

Attitudes and feelings of criminal justice personnel toward the mentally ill. Silverman M, et al. **Am J Community Psychol** 4(2):207–16, Jun 76

Personality patterns of white, black, and Mexican-American patrolmen as measured by the sixteen personality factor questionnaire. Snibb HM, et al. **Am J Community Psychol** 3(3):221–7, Sep 75

Psychiatric evaluation services to court referred drug users. Prichep LS, et al. **Am J Drug Alcohol Abuse** 2(2):197–213, 1975

Proceedings: Rehabilitation or bust: the impact of criminal justice system referrals on the treatment of drug addicts and alcoholics in a therapeutic community (Eagleville's experience). Rinella VJ. **Am J Drug Alcohol Abuse** 3(1):53–8, 1976

Editorial: Policy alternatives for alcohol control. Vladeck BC, et al. **Am J Public Health** 65(12):1340–2, Dec 75

Proceedings: Pre-requisites for a profession in occupational safety and hygiene. Atherley GR, et al. **Ann Occup Hyg** 18(4):321–34, Dec 75

The prevention of alcoholism: epidemiological studies of the effects of government control measures. Popham RE, et al. **Br J Addict** 70(2):125–44, Jun 75

The alcohol advertising ban in British Columbia: problems and effects on beverage consumption. Smart RG, et al. **Br J Addict** 71(1):13–21, Mar 76

Psychiatric referrals from the police. Sims AC, et al. **Br J Psychiatry** 127:171–8, Aug 75

The dangerous offender. Tennent TG. **Br J Psychiatry** Spec No 9:308–15, 1975 (59 ref.)

Letter: Liquor licensing and public health. Prichard BN. **Br Med J** 1(6015):956–7, 17 Apr 76

Doctors, the police and patients' legal rights. Brown FN. **Can Med Assoc J** 114(10):958, 961, 965, 22May 76

Police training in domestic crises: a suburban approach. Walsh JA, et al. **Community Ment Health J** 11(3):301–6, Fall 75

Government freezes administrators' salaries. Fagan A. **Dimens Health Serv** 53(1):10–1, Jan 76

At war with the ministry of health. Robsertson D. **Dimens Health Serv** 53(7):10–1, Jul 76

Smoking and the law. Rozovsky LE. **Dimens Health Serv** 52(10):58–60, Oct 75

Public health implications of components of plastics manufacture. Emerging concepts of regulation. Samuels SW. **Environ Health Perspect** 11:223–4, Jun 75

Public health implications of components of plastics manufacture. Regulatory aspects and research needs. Schweitzer GE. **Environ Health Perspect** 11:225, Jun 75

Autonomy and behavior control. Dworkin G. **Hastings Cent Rep** 6(1):23–8, Feb 76

Commentaries on the SSA's prudent buyer principle. **Hosp Prog** 56(11):44–50, Nov 75

Summary of rate setting in New Jersey. Owen JW. **Hosp Prog** 57(1):7, 12, Jan 76

Cost containment is principal purpose of rate review. Aden G. **Hospitals** 50(14):69–72, 16 Jul 76

State and local regulation will prove most effective. Ball AE. **Hospitals** 50(5):89–92, 1 Mar 76

Provider Reimbursement Review Board decisions. Goldberg LS, et al. **Hospitals** 49(23):24–5, 1 Dec 75

Congress ponders a new role in federal regulations. Lesparre M. **Hospitals** 49(20):49–52, 16 Oct 75

New laws and regulations must focus on continuity of care. McGuire H. **Hospitals** 49(20):63–7, 16 Oct 75

Health care regulatory policy requires centralized authority. Marmor TR, et al. **Hospitals** 50(5):83–4, 86–8, 1 Mar 76

Sanctions process reveals PSRO muscle. Newmark GL. **Hospitals** 49(18):26, 16 Sep 75

Interim guidelines issued for UR compliance. Newmark GL. **Hospitals** 50(14):31, 16 Jul 76

Hospital regulations reach a collective critical mass--1. Phillips DF, et al. **Hospitals** 50(14):63–8, 16 Jul 76

Hospital regulations reach a collective critical mass–2. Phillips DF, et al. **Hospitals** 50(15):78–82, 1 Aug 76

Long-term care regulations: counterproductive and costly. Shore H. **Hospitals** 49(20):57, 59–60, 62, 16 Oct 75

Is protection only a costly frill? Van Splinter MD. **Hospitals** 49(17):99–101, 1 Sep 75

Professional short-term training as an approach to intervention. pp. 207–16. Foss G, et al.
In: Browning PL, ed. Rehabilitation and the retarded offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.

Restitution or revenge? pp. 3–23. Norley D.
In: Browning PL, ed. Rehabilitation and the retarded

offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.

A definitional framework: who is the retarded offender? pp. 27–44. Steinbock EA.
In: Browning PL, ed. Rehabilitation and the retarded offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.

Institutionalization and rights of mentally retarded citizens. The least restrictive alternative and the police investigatory process. pp. 525–7. Norley D.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Riot injuries to policemen. An analysis of 808 policemen injured in roiting between 1969 and 1972 in Northern Ireland. James WV. **Injury** 7(1):41–3, Aug 75

An analysis of chronic drunkenness offenders with implications for behavioral intervention. Miller PM. **Int J Addict** 10(6):995–1005, 1975

The political context of health service regulation. Krause EA. **Int J Health Serv** 5(4):593–607, 1975

Psychiatric screening examination for law enforcement officers. Zuckerman S. **J Am Osteopath Assoc** 75(1):40–5, Sep 75

Authority orientations of police officers. Cochran N. **J Appl Psychol** 60(5):641–3, Oct 75

The policeman as a witness. Joling RJ. **J Forensic Sci** 21(1):3–8, Jan 76

A review of rejected police candidates. Perr IN. **J Forensic Sci** 20(4):714–8, Oct 75

Police enquiries in sexual offences. Still A. **J Forensic Sci Soc** 15(3):183–8, Jul 75

Authority. Lesser AH. **J Med Ethics** 1(4):193–5, Dec 75

Editorial: The right to know. On the freedom of medical information. Brody EB. **J Nerv Ment Dis** 161(2):73–81, Aug 75

Editorial: Strengthening environmental standards. Goldwater LJ. **J Occup Med** 18(5):362, May 76

Environmental statesmanship. McClure JA. **J Occup Med** 18(5):356–9, May 76

Guidelines for school–police cooperation in drug abuse policy department. Langer JH. **J Sch Health** 46(4):197–9, Apr 76

Use of coercion in the outpatient treatment of alcoholism. Rosenberg CM, et al. **J Stud Alcohol** 37(1):58–65, Jan 76

Philosophies for educating about alcohol and other mood–modifying substance. Personal or social controls. Russell RD. **J Stud Alcohol** 37(3):365–74, Mar 76

Collision behavior of young drivers. Impact of the change in the age of majority. Whitehead PC, et al. **J Stud Alcohol** 36(9):1208–23, Sep 75

Prearrest behavior of persons convicted of driving while intoxicated. Yoder RD. **J Stud Alcohol** 36(11):1573–7, Nov 75

Letter: Specialty boards. Chase RA. **JAMA** 236(11):1236–7, 13 Sep 76

The medical–legal implications of the errant or 'sick' physician. Hirsh HL. **Med Trial Tech Q** 22(4):377–84, Spring 76

The social control of organizations in the health care area. Ermann MD. **Milbank Mem Fund Q** 54(2):167–83, Spring 76

The impact of certificate–of need controls on hospital investment. Salkever DS, et al. **Milbank Mem Fund Q** 54(2):185–214, Spring 76

New rules for medical devices. Robinson M. **Mod Health Care** 5(2):37–8, Feb 76

Letter: Regulation of medical practice by government. Kennedy JF. **N Engl J Med** 293(18):942, 30 Oct 75

The police and privacy of medical records. Burnside KB. **NZ Med J** 82(548):206–7, 24 Sep 75

Critical experiences in organizing and administering a state certification of need program. Bicknell WJ, et al. **Public Health Rep** 91(1):29–45, Jan–Feb 76

Under the influence. Fine EW, et al. **Public Health Rep** 90(5):424–9, Sep–Oct 75

Regulatory and review functions of agencies created by the act. Stiles SV, et al. **Public Health Rep** 91(1):24–8, Jan–Feb 76

Juvenile crime: a police perspective. Newing JF. **R Soc Health J** 96(1):9–14, Feb 76

Marketable licenses for babies: Boulding's proposal revisited. Heer DM. **Soc Biol** 22(1):1–16, Spring 75

Police suicides revisted. Heiman MF. **Suicide** 5(1):5–20, Spring 75

Editorial: Who does what to whom? Headlee R. **Wis Med J** 74(8):5–6, Aug 75

[Editorial: Alcohol policy] Jensen E. **Ugeskr Laeger** 138(31):1898–900, 26 Jul 76 **(Dan)**

[Recommendations for government action against smoking] Beske F. **Oeff Gesundheitswes** 37(9):586–90, Sep 75 **(Ger)**

[Editorial: Social projection of pediatrics] Díaz del Castillo E. **Gac Med Mex** 111(4):249–52, Apr 76 **(Spa)**

HISTORY

Custodial and therapeutic patient relationships in mental hospitals. Wielgus K. **Ethics Sci Med** 3(2):71–94, Jul 76

SOCIAL CONTROL, INFORMAL

Cooperative relations between secondary teachers and students: some behavioral strategies. Jensen RE. **Adolescence** 10(40):469–82, Winter 75

Parental control over adolescents according to family size. Peterson ET, et al. **Adolescence** 10(39):419–27, Fall 75

Social sanctions and rituals as a basis for drug abuse prevention. Zinberg NE, et al. **Am J Drug Alcohol Abuse** 2(2):165–82, 1975

Using rumors for therapeutic purposes. Taylor CB. **Community Ment Health J** 11(3):267–70, Fall 75

Order and disorder at hospital meetings. Rozovsky LE. **Dimens Health Serv** 52(12):8–9, Dec 75

Autonomy and behavior control. Dworkin G. **Hastings Cent Rep** 6(1):23–8, Feb 76

Fertility, mortality, and social organization. Kunitz SJ. **Hum Biol** 48(2):361–77, May 76

Faculty evaluation: a tool for eliciting desired behaviors. Baldridge JV, et al. **J Dent Educ** 40(8):528–40, Aug 76

Authority. Lesser AH. **J Med Ethics** 1(4):193–5, Dec 75

Social control of drinking among the Aztec Indians of Mesoamerica. Paredes A. **J Stud Alcohol** 36(9):1139–53, Sep 75

Editorial: A touch of discipline. Headlee R. **Wis Med J** 75(1):6, Jan 76

SOCIAL DESIRABILITY

Sexual subcultures and contemporary heterosexual interaction patterns among adolescents. Berg DH. **Adolescence** 10(40):543–8, Winter 75

Some interpersonal consequences of being mentally ill or mentally retarded. Farina A, et al. **Am J Ment Defic** 80(4):414–22, Jan 76

Concomitants of social acceptance: exploratory research and implications for treatment. Brown JH, et al. **Am J Orthopsychiatry** 46(3):470–6, Jul 76

Parental manipulation of the behavior of normal and deviant children. Lobitz WC, et al. **Child Dev** 46(3):717–26, Sep 75

Preparing the community for the patient's return. Armstrong B. **Hosp Community Psychiatry** 27(5):349–56, May 76

The aged and diachronic solidarity in modern society. Baum RC, et al. **Int J Aging Hum Dev** 6(4):329–46, 1975

Facial attractiveness and personal–social development. Salvia J, et al. **J Abnorm Child Psychol** 3(3):171–8, 1975

Fear of interpersonal evaluation as a determinant of alcohol consumption in male social drinkers. Higgins RL, et al. **J Abnorm Psychol** 84(6):644–51, Dec 75

Self–esteem, locus of control, and approval motivation in married couples. Kawash GF, et al. **J Clin Psychol** 31(4):715–20, Oct 75

Knowing, liking, and judged problem severity in relation to referral and outcome measures in school–based intervention program. Cowen EL, et al. **J Consult Clin Psychol** 44(3):317–29, Jun 76

Influence of social desirability on symptom and mood reporting in a community survey. Klassen D, et al. **J Consult Clin Psychol** 43(4):448–52, Aug 75

Effects of 'favorability', modality, and relevance on acceptance of general personality interpretations prior to and after receiving diagnostic feedback. Snyder CR, et al. **J Consult Clin Psychol** 44(1):34–41, Feb 76

Affective relationship, locus of control, and imitative behavior. Finch AJ Jr, et al. **J Genet Psychol** 127(First Half):71–4, Sep 75

A note on the relationship between the comfortable interpersonal distance scale and the sociometric status of emotionally disturbed children. Schaefer CE, et al. **J Genet Psychol** 128(First Half):91–3, Mar 76

Some properties of the ego–resiliency subtle scale of the MMPI. Tryon GS, et al. **J Pers Assess** 40(1):18–20, Feb 76

Causal priority of social desirability over self–concept: a cross–lagged correlation analysis. Arlin M. **J Pers Soc Psychol** 33(3):267–72, Mar 76

Self–concept and attraction for similar and dissimilar others. Leonard RL Jr. **J Pers Soc Psychol** 31(5):926–9, May 75

Self–disclosure: an attributional perspective. Wortman CB, et al. **J Pers Soc Psychol** 33(2):184–91, Feb 76

Self–actualization as a moderator of the relationship between attitude similarity and attraction. Olczak PV, et al. **J Psychol** 89(Second Half):195–202, Mar 75

Personality, attraction, and social ambiguity. Johnson CD, et al. **J Soc Psychol** 97(Second Half):227–32, Dec 75

Social acceptance of the EMR in different educational placements. Lax B, et al. **Ment Retard** 14(2):10–3, Apr 76

Hostile Press and a survey of fears. Becker RE, et al. **Psychol Rep** 37(2):463–6, Oct 75

Philosophies of Human Nature and Hostile Press. Cohen RJ, et al. **Psychol Rep** 37(2):460–2, Oct 75

Internal–external control and interpersonal attraction to a similar and dissimilar stranger. Johnson JH, et al. **Psychol Rep** 37(3 PT 2):1122, Dec 75

Locus of control of reinforcement and attraction in sensitivity group settings. Levenberg SB, et al. **Psychol Rep** 37(3 Pt 1):719–23, Dec 75

Effects of physical attractiveness and favourableness of character on liking. McKelvie SJ, et al. **Psychol Rep** 38(3 Pt 2):1223–30, Jun 76

Subjective objectivity: therapists' affection and successful psychotherapy. Martin PJ, et al. **Psychol Rep** 38(3 Pt 2):1163–9, Jun 76

Physiological arousal, affect and interpersonal attraction. Veitch R. **Psychol Rep** 38(1):43–52, Feb 76

Perceived personality impressions in student acceptance and rejection interaction patterns in the classroom. Peretti PO. **Res Q Am Assoc Health Phys Educ** 46(4):457–62, Dec 75

[Social impact of obesity] Hejda S. **Cesk Zdrav** 24(5):193–6, May 76 **(Cze)**

SOCIAL DISORGANIZATION see **ANOMIE**

SOCIAL DISTANCE

Length of residence, social ties, and economic opportunities, Toney MB. **Demography** 13(3):297–309, Aug 76

Disability social distance hierarchy for population subgroups. Harasymiw SJ, et al. **Scand J Rehabil Med** 8(1):33–6, 1976

SOCIAL DOMINANCE

Contrasts in social structure among black–and–white colobus monkey groups. Dunbar RI, et al. **Anim Behav** 24(1):84–92, Feb 76

Aggression and dominance in the weaver bird, Quelea quelea. Dunbar RIM, et al. **Anim Behav** 23(2):450–9, May 75

Aggressive behaviour of male mice (Mus musculus) towards familiar and unfamiliar opponents. Poole TB, et al. **Anim Behav** 23(2):470–9, May 75

Social dominance and Darwinian fitness in laboratory mice: an alternative test. Kuse AR, et al. **Behav Biol** 16(1):113–6, Jan 76

Selection for geotaxis in Drosophila melanogaster: heritability, degree of dominance, and correlated responses to selection. Watanabe TK, et al. **Behav Genet** 6(1):71–86, Jan 76

The influence of social rank on adenohypophysial cell activity in Salmo irideus. With special reference to basophil ACTH–cells of the proximal pars distalis. Boddingius J. **Cell Tissue Res** 170(3):383–414, 30 Jul 76

Women, sex and patriarchy. Fortier L. **Fam Plann Perspect** 7(6):278–81, Nov–Dec 75

Rank, rhesus social behavior, and stress. Chamove AS, et al. **Folia Primatol (Basel)** 26(1):57–66, 1976

Effects of source status and message favorability on acceptance of personality feedback. Halperin K, et al. **J Appl Psychol** 61(7):85–8, Feb 76

Effects of drinking on the power and affiliation needs of middle–aged females. Durand DE. **J Clin Psychol** 31(3):549–53, Jul 75

Social rank and physiological traits of dairy cows as influenced by changing group membership. Arave CW, et al. **J Dairy Sci** 59(5):974–81, May 76

Effects of movie violence on aggression in a field setting as a function of group dominance and cohesion. Leyens J–P, et al. **J Pers Soc Psychol** 32(2):346–60, Aug 75

Components of 'authority' as determinants of compliance. Michener HA, et al. **J Pers Soc Psychol** 31(4):606–14, Apr 75

Paternity and status in a rhesus monkey group. Duvall SW, et al. **J Reprod Fertil** 47(1):25–31, May 76

Dominance, aggression and reproduction in primate societies. Bernstein IS. **J Theor Biol** 60(2):459–72, 7 Aug 76

Role of nonverbal communication in the perception of leadership. Gitter AG, et al. **Percept Mot Skills** 40(2):463–6, Apr 75

Frequency of decisions in initial pair contests: effects of sex, observer, and feeding stimulus. Al–Rawi BA, et al. **Poult Sci** 55(1):462–4, Jan 76

Changes in relative aggressiveness and social dominance associated with selection for early egg production in chickens. Craig JV, et al. **Poult Sci** 54(5):1647–58, Sep 75

Who presses the elevator button after someone else: dominance/deference, sex, and authority figure determinants. Fryrear JL, et al. **Psychol Rep** 38(2):671–4, Apr 76

Food dominance in dogs: effects of chlorpromazine and d–amphetamine. Werboff J, et al. **Psychol Rep** 38(3 Pt 2):1287–91, Jun 76

Disability social distance hierarchy for population subgroups. Harasymiw SJ, et al. **Scand J Rehabil Med** 8(1):33–6, 1976

Ranks and relationships in Highland ponies and Highland Cows. Clutton–Brock TH, et al. **Z Tierpsychol** 41(2):202–16, Jun 76

[Empirical validity, internal validity and fidelity of an experimental test of dominance in male C 57 B1/6 mice] Pierre–Paul Grassé M. **C R Acad Sci [D] (Paris)** 281(22):1733–5, Dec 75 **(Fre)**

[Pathological we–formation and dominance shifts in symbiotic psychoses] Ficker F. **Psychiatr Neurol Med Psychol (Leipz)** 28(7):396–402, Jul 76 (Eng. Abstr.) **(Ger)**

[Aggression and dominance in pairs of male rats] Käsermann HP. **Soz Praeventivmed** 20(1):29–30, Jan–Feb 75 (Eng. Abstr.) **(Ger)**

SOCIAL ENVIRONMENT

The 'Tromvika' project. Brevik JI. **Acta Psychiatr Scand [Suppl]** (263):57–9, 1975

The contribution of natural support systems to primary prevention among four social subgroups of adolescent males. Gottlieb BJ. **Adolescence** 10(38):207–20, Summer 75

Social sanctions and rituals as a basis for drug abuse prevention. Zinberg NE, et al. **Am J Drug Alcohol Abuse** 2(2):165–82, 1975

The contribution of the social environment to host resistance: the Fourth Wade Hampton Frost Lecture. Cassel J. **Am J Epidemiol** 104(2):107–23, Aug 76 (43 ref.)

Three tests for randomness of attack of social groups during

an epidemic. Klauber MR, et al. **Am J Epidemiol** 104(2):212–8, Aug 76

Special-class EMR children mainstreamed: a study of an aptitude (learning potential) X treatment interaction. Budoff M, et al. **Am J Ment Defic** 81(1):1–11, Jul 76

Infants' home environments: a comparison of high-risk families and families from the general population. Ramey CT, et al. **Am J Ment Defic** 80(1):40–2, Jul 75

Outerdirectedness in retarded children as a function of sex of experimenter and sex of subject. Turnure JE, et al. **Am J Ment Defic** 80(4):460–8, Jan 76

Aggressive behaviour of male mice (Mus musculus) towards familiar and unfamiliar opponents. Poole TB, et al. **Anim Behav** 23(2):470–9, May 75

Social interactions and antibody titres in young male chickens (Gallus domesticus). Siegel HS, et al. **Anim Behav** 23(2):323–30, May 75

The effects of differential prenatal and postnatal social enviroments on sexual maturation of young prairie deermice (Peromyscus maniculatus bairdii). Thomas D, et al. **Anim Behav** 23(2):241–8, May 75

The social climate of alcoholism treatment programs. Bromet EJ, et al. **Arch Gen Psychiatry** 33(8):910–6, Aug 76

Society, culture, and mental disorder. Dunham HW. **Arch Gen Psychiatry** 33(2):147–56, Feb 76

Taboo and Malay tradition. Teoh JI. **Aust NZ J Psychiatry** 10(1A):105–10, Mar 76

Microenvironmental factors in severe protein-calorie malnutrition. Cravioto J, et al. **Basic Life Sci** 7:25–35, 1976

The environment of the malnourished child. Mata LJ. **Basic Life Sci** 7:45–66, 1976 (16 ref.)

Does social environment decrease propensity to fight in male mice? Crawley JN, et al. **Behav Biol** 15(1):73–83, Sep 75

Contact stimulation and accelerated sexual maturation of female mice. Drickamer LC. **Behav Biol** 15(1):113–5, Sep 75

Variations in postweaning environment and sensitivity to electric shock in male and female rats. Fessler RG, et al. **Behav Biol** 16(4):535–8, Apr 76

Early behavioral experience and adult social behavior in the paradise fish, Macropodus opercularis L. Kassel J, et al. **Behav Biol** 15(3):343–51, Nov 75

Genetic and environmental components of inconsistency and unrepeatability in twins' responses to a neuroticism questionnaire. Eaves L, et al. **Behav Genet** 6(2):145–60, Apr 76

Resemblance in appearance and the equal environments assumption in twin studies of personality traits. Plomin R, et al. **Behav Genet** 6(1):43–52, Jan 76

Exposure and response prevention in the natural environment: a comparison with obsessive-compulsive patients. Boersma K, et al. **Behav Res Ther** 14(1):19–24, 1976

Obsessional-compulsive checking: experimental replication and development. Röper G, et al. **Behav Res Ther** 14(1):25–32, 1976

Modification of the response to separation in the infant rhesus macaque through manipulation of the environment. Chappell PF, et al. **Biol Psychiatry** 10(6):643–57, Dec 75

Effects of modification of the social environment on young monkey development. Jensen GD. **Biol Psychiatry** 10(6):659–66, Dec 75

Male-induced puberty in female mice: evidence for a synergistic action of social cues. Bronson FH, et al. **Biol Reprod** 13(1):94–8, Aug 75

Influence of some social and environmental factors on the nutrient intake and nutritional status of schoolchildren. Jacoby A, et al. **Br J Prev Soc Med** 29(2):116–20, Jun 75

Subcultural mental handicap. Blackie J, et al. **Br J Psychiatry** 127:535–9, Dec 75

Immediate effects of improved hospital environment on behaviour patterns of mentally handicapped patients. James FE, et al. **Br J Psychiatry** 126:577–81, Jun 75

Genetic hypotheses and environmental factors in the light of psychiatric morbidity in the families of schizophrenics. Kay DW, et al. **Br J Psychiatry** 127:109–18, Aug 75

The social setting of hysteria. Mayou R. **Br J Psychiatry** 127:466–9, Nov 75

The personal space of hard-of-hearing children after extended contact with 'normals'. Mallenby TW, et al. **Br J Soc Clin Psychol** 14(3):253–7, Sep 75

Social network diagram. Capildeo R, et al. **Br Med J** 1(6002):143–4, 17 Jan 76

Speech lateralization in families: a preliminary study using dichotic listening. Bryden MP. **Brain Lang** 2(2):201–11, Apr 75

Performance of psychiatric hospital discharges in strict and tolerant environments. Carpenter JO, et al. **Community Ment Health J** 12(1):45–51, Spring 76

An analysis of contingencies in the Appalachian coalfields. Noonan JR. **Community Ment Health J** 12(1):99–105, Spring 76

Assessing the psychosocial environment of halfway houses for the retarded. Pankratz L. **Community Ment Health J** 11(3):341–5, Fall 75

Impact of a personnel workshop on the behavior of support employees toward new patients in a psychiatric outpatient clinic. Reck JJ, et al. **Community Ment Health J** 12(1):95–8, Spring 76

A study of psychiatric syndromes manifested at an international airport. Shapiro S. **Compr Psychiatry** 17(3):453–6, May-June 76

Responses of human-reared monkeys to strange simian calls. Waldrop MK. **Dev Psychobiol** 8(3):269–73, May 75

Altered brain cyclic AMP-responses in rats reared in enriched or impoverished environments. Dismukes RK, et al. **Experientia** 32(6):730–2, 15 Jun 76

Psychosocial influences on heart rhythm in the coronary-care unit. Thomas SA, et al. **Heart Lung** 4(5):746–50, Sep-Oct 75

Developmental causal structures of organism-environment interactions. Labouvie EW. **Hum Dev** 17(6):444–59, 1974

Social and cultural aspects of hallucinogens. pp. 215–24. McGlothlin WH.
In: Radouco-Thomas S, ed. Pharmacologie, toxicologie, et abus des psychotomimétiques (hallucinogenes). Quebec, Les Presses de l'Université Laval, 1974. QV 109 L392p 1973.

Influence of environment on the physical and psychic development of Skolt Lapp and north Finnish children. pp. 507–13. Forsius H.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Socio-economic correlates of mortality and morbidity among Inuit infants. pp. 452–61. Hobart CW.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Practical sociological reasoning and the making of social relationships among health centre participants. pp. 61–75. Beales G.
In: Stacey M, ed. The sociology of the National Health Service. Keele, Univ of Keele, 1976. W1 SO879F no.22 1976.

The cardiac environment. pp. 62–70. Johnson R.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Psychological factors in the aetiology of schizophrenia. pp. 173–82. Benedetti G.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

The social analysis of schizophrenia. Theories of Laing, Cooper, etc. pp. 183–208. Sedgwick P.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.

Psychosocial determinants of health and illness. pp 25–30.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.

An eclecticist's synthesis. pp 93–101. Green L.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.

Social factors influencing administrators' use of research results. Andersen R. **Inquiry** 12(3):235–8, Sep 75

Social determinants of alcohol and marijuana effects: a systematic theory. Orcutt JD. **Int J Addict** 10(6):1021–33, 1975

Ward environment in an inpatient drug dependence treatment unit: II. Attempts to improve ward environment. Teasdale JD, et al. **Int J Addict** 10(4):539–55, 1975

The ecology of adaptation to a new environment. Lawton MP, et al. **Int J Aging Hum Dev** 7(1):15–26, 1976

Blood pressure and length of stay in Australia of Italian immigrants in the Australian National Blood Pressure Study. Ulman R, et al. **Int J Epidemiol** 4(3):213–5, Sep 75

The induction of acute and chronic cardiovascular disease in animals by psychosocial stimulation. Henry JP. **Int J Psychiatry Med** 6(1–2):147–58, 1975 (36 ref.)

Demonstration of the socializing effect upon methadone maintenance patients in a move from hospital setting to a brownstone (private dwelling). A contribution to the psychodynamics of the setting and relationships to the Methadone Maintenance treatment program. Bralove R, et al. **Int Pharmacopsychiatry** 7(1–4):41–3, 1972

The ecological assessment of an autistic child. Lichstein KL, et al. **J Abnorm Child Psychol** 4(1):31–54, 1976

The relative importance of socially induced tension and behavioral contagion for smoking behavior. Glad W, et al. **J Abnorm Psychol** 85(1):119–21, Feb 76

Resistance to psychopathology in adolescent monkeys (Macaca fascicularis) reared with mothers and peers. Patterson KE, et al. **J Abnorm Psychol** 84(5):524–30, Oct 75

Illicit drug use in the army: a social—organizational analysis. Cook R, et al. **J Appl Psychol** 61(3):262–72, Jun 76

Systematic observation of play behavior in autistic children. Black M, et al. **J Autism Child Schizo** 5(4):363–71, Dec 75

The effect of severity, consistency, and typicalness information on clinicians' causal attributions. Johnson RE, et al. **J Clin Psychol** 31(4):600–4, Oct 75

Psychopathological behavior and the hospital environment. Lohss WE. **J Clin Psychol** 32(3):523–7, Jul 76

Cephalic mechanism for social control of fissioning in planarians: III. Central nervous system centers of facilitation and inhibition. Best JB, et al. **J Comp Physiol Psychol** 89(8):923–32, Oct 75

Differential effects of environmental enrichment on the open-field behavior of wild and domestic Norway rats. Huck UW, et al. **J Comp Physiol Psychol** 89(8):892–8, Oct 75

Comparison of a self-control approach and an emotional coping approach to the treatment of obesity. Kelly AH, et al. **J Consult Clin Psychol** 44(4):683, Aug 76

Situational constraint as a moderator of the locus of control-adjustment relationship. Wolk S. **J Consult Clin Psychol** 44(3):420–7, Jun 76

Attitudes, self-esteem, and learning in formal and informal schools. Groobman DE, et al. **J Educ Psychol** 68(1):32–5, Feb 76

Perceptual incongruity and social interaction as determinants of infants' reaction to novel persons. Greenberg DJ, et al. **J Genet Psychol** 127(Second Half):215–22, Dec 75

Sociocultural and social-psychological factors in the genesis of mental disorders. Dohrenwend BP. **J Health Soc Behav** 16(4):365–2, Dec 75 (114 ref.)

Mental health and the urban environment: some doubts and second thoughts. Kasl SV, et al. **J Health Soc Behav** 16(3):268–82, Sep 75

Individual differences and setting as determinants of acute adverse reactions to psychoactive drugs. Naditch MP, et al. **J Nerv Ment Dis** 161(5):326–35, Nov 75

Effects of environment on morphology of rat cerebral cortex and hippocampus. Diamond MC, et al. **J Neurobiol** 7(1):75–85, Jan 76

Effects of movie violence on aggression in a field setting as a function of group dominance and cohesion. Leyens J-P, et al. **J Pers Soc Psychol** 32(2):346–60, Aug 75

Persons, situations, and time: a genetic view of behavioral change in children. Matheny AP Jr, et al. **J Pers Soc Psychol** 32(6):1106–10, Dec 75

Personality research: components of variance attributable to the person and the situation. Sarason IG, et al. **J Pers Soc Psychol** 32(2):199–204, Aug 75

Need for adaptation. David HP. **J Psychiatr Nurs** 14(4):32–5, Apr 76

Environmental factors and reproduction in the female hopping mouse, Notomys alexis. Breed WG. **J Reprod Fertil** 45(2):273–81, Nov 75

Further observations on the influence of the social environment on ovulation in the vole, Microtus agrestis. Milligan SR. **J Reprod Fertil** 44(3):543–4, Sep 75

Drinking behavior in laboratory and barroom settings. Billings AG, et al. **J Stud Alcohol** 37(1):85–9, Jan 76

Observational study of alcohol consumption in natural settings. The Vancouver beer parlor. Cutler RE, et al. **J Stud Alcohol** 36(9):1173–83, Sep 75

The setting for unsatisfactory health and nutritional standards in Australian aborigines. Hitchock NE, et al. **Med J Aust** 2(4 Suppl):Suppl 20–3, 20–27 Dec 75

Effects of improved ward conditions and behavioral treatment of self-help skills. Murphy MJ, et al. **Ment Retard** 13(6):24–7, Dec 75

Reducing inappropriate behaviors in classrooms and in individual sessions through DRO schedules of reinforcement. Repp AC, et al. **Ment Retard** 14(1):11–5, Feb 76

Importance of environmental demands in the measurement of adaptive behavior. Nihira K. **Monogr Am Assoc Ment Defic** (1):101–16, 1973

The social consequences of accidental injury. Scholz DA. **Papua New Guinea Med J** 18(3):162–5, Sep 76

Letter: Environmental autism. Zisman AS. **Pediatrics** 58(2):297, Aug 76

Plasma steroid tendency, social environment and Eimeria necatrix infection. Gross WB. **Poult Sci** 55(4):1508–12, Jul 76

Suicidal behaviour. An attempt to modify the environment. Part IV. Lukianowicz N. **Psychiatr Clin (Basel)** 8(3):140–54, 1975

Toward an interactional description of depression. Coyne JC. **Psychiatry** 39(1):28–40, Feb 76

Interpretation of heritability. Colliver JA, et al. **Psychol Rep** 38(3 Pt 2):1239–42, Jun 76

Effect of arousal by social isolation, grouping, and d-amphetamine on inter-male aggression in mice (Mus musculus). Miley WM, et al. **Psychol Rep** 38(2):635–8, Apr 76

Conspecific defeat, isolation/grouping, and predatory behavior in golden hamsters. Polsky RH. **Psychol Rep** 38(2):571–7, Apr 76

Comparison of WISC profiles of alleged juvenile delinquents living at home versus those incarcerated. Solway KS, et al. **Psychol Rep** 37(2):403–7, Oct 75

Social areas and Durkheims's theory of suicide. Wenz FV. **Psychol Rep** 38(3 Pt 2):1313–4, Jun 76

Altered analgesic responses to morphine in differentially housed mice. Defeudis FV, et al. **Psychopharmacol Bull** 49(1):117–8, 26 Aug 76

The interactive effects of prenatal imipramine exposure and postnatal rearing conditions on behaviour and histology. Coyle IR, et al. **Psychopharmacologia** 44(3):253–6, 21 Nov 75

Family and social management of schizophrenia. Beels CC. **Schizophrenia Bull** (13):97–118, Summer 75

Social climate and ward atmosphere. Hall D, et al. **Soc Sci Med** 9(10):529–34, Oct 75 (26 ref.)

[The influence of social and medico-political factors upon the perinatal and peripartal mortality with especial respect to the eph gestosis (author's transl)] Gerl D, et al. **Cesk Gynekol** 41(2):109–10, Apr 76 **(Cze)**

[Social surrounding factors in aetiology of pathologic mood phases in manic melancholia (author's transl)] Vondráčka V. **Cesk Psychiatr** 71(4):211–6, Aug 75 (Eng. Abstr.) **(Cze)**

[Professional and social problems in allergic diseases] Borysová L, et al. **Vnitr Lek** 22(4):359–64, Apr 76 (Eng. Abstr.) **(Cze)**

[Results of a study of the medico-social infrastructure in the district of Louvain] van den Oever R. **Arch Belg Med Soc** 33(5):309-15, May 75 **(Dut)**
[Modalities of therapeutic approach to marginal milieux] Broche JP. **Acta Psychiatr Belg** 75(6):856-64, 1975 (Eng. Abstr.) **(Fre)**
[Child of the 4th world] Galand-Poelman J. **Acta Psychiatr Belg** 75(6):847-55, 1975 (Eng. Abstr.) **(Fre)**
[Primary prevention in the school environment] Thirion AM. **Acta Psychiatr Belg** 75(6):865-81, 1975 (Eng. Abstr.) **(Fre)**
[Chronic delusions and sociogensis] Gabriel E. **Ann Med Psychol (Paris)** 2(1):128-35, Jun 75 **(Fre)**
[Place of psychosocial factors in the appearance and course of an atypical depressive state] Houillon P. **Ann Med Psychol (Paris)** 2(1):189-97, Jun 75 **(Fre)**
[Environmental factors in psychoses. Methodological presuppositions. Contribution of child psychopathology] Misès P. **Ann Med Psychol (Paris)** 2(1):124-8, Jun 75 **(Fre)**
[Social environment and the symptoms of 2 groups of schizophrenics] Petho B. **Ann Med Psychol (Paris)** 2(1):153-66, Jun 75 **(Fre)**
[An education in mental patients] Veylon R. **Nouv Presse Med** 5(12):803-4, 20 Mar 1976 **(Fre)**
[Influence of the sociocultural environment on the results of the verbal aptitude tests in the child] Simon AM, et al. **Rev Neuropsychiatr Infant** 23(8-9):537-55, Aug-Sep 75 (Eng. Abstr.) **(Fre)**
[Presuicidal syndrome and social structure] pp. 143-9. Ringel E, et al.
In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973. **(Ger)**
[Loss of the ego-environment balance at the beginning of endogenous psychosis. Various aspects of psychopathologg related to the overal or partial picture] Averarius R. **Nervenarzt** 47(8):482-7, Aug 76 **(Ger)**
[Personal motivation, environmental factors, and the extent of drug comsumption of adolescents] Hell D, et al. **Nervenarzt** 47(6):402-6, Jun 76 **(Ger)**
[Disintegration of condition episodes of paranoid behavior. 'Nonsensical actions' according to Conrad] Glatzel J. **Schweiz Arch Neurol Neurochir Psychiatr** 117(1):109-21, 1975 **(Ger)**
[Children under stress: socioeconomic change and the well-being of school children] Müller HR. **Soz Praeventivmed** 20(5):226-7, Sep-Oct 75 (Eng. Abstr.) **(Ger)**
[Birth control and social environment] Fritsche U, et al. **Z Gesamte Hyg** 21(11):838-43, 1975 (Eng. Abstr.) **(Ger)**
[Social-hygienic views on current problems of morbidity] Heinroth H. **Z Gesamte Hyg** 21(6):497-500, Jun 75 (Eng. Abstr.) **(Ger)**
[The importance of nutrition and of social environment to the mental development of children] Guggenheim IK. **Harefuah** 89(12):575-7, 15 Dec 75 **(Heb)**
[Medical and pseudomedical reflections on the politico-socio-economic conflicts in the environment of the armed forces] Mastrorilli A. **Minerva Med** 66(87):4680-5, 19 Dec 75 **(Ita)**
[Psychological stress developing following contact with therapeutic units. Pathogenic elements in social environment] Wardaszko-Lyskowska H. **Pol Tyg Lek** 30(35):1421-9, 1 Sep 75 **(Pol)**
[Biosocial problems of the modern world and anatomy] Prives MG. **Arkh Anat Gistol Embriol** 69(10):5-16, Oct 75 **(Rus)**
[Experience in controlling the working and living conditions of the disabled] Agarkov VP, et al. **Zdravookhr Ross Fed** (4):41-2, Apr 75 **(Rus)**
[Pedagogical musings. V. The social and biological aspects in the epidemic process] Elkin II. **Zh Mikrobiol Epidemiol Immunobiol** (10):79-83, Oct 75 **(Rus)**
[Effect of the economic activity of man on natural foci of plague] Ladnyĭ ID, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):3-10, Oct 75 (30 ref.) (Eng. Abstr.) **(Rus)**
[Morbidity, environment and social organization. A theoretical model for the analysis of disease in the rural area] Laurell de Leal AC, et al. **Salud Publica Mex** 17(4):471-80, Jul-Aug 75 **(Spa)**

SOCIAL FACILITATION

Using a facilitator as a change agent in social systems. Jones M. **Hosp Community Psychiatry** 27(3):198-9, Mar 76
Correction effect in chorus speaking by stuttering people. pp. 2-6. Adamczyk B, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
Social enhancement of laughter: an experimental analysis of some companion variables. Chapman AJ, et al. **J Exp Child Psychol** 21(2):201-18, Apr 76
Cross sex effects of subject and audience during motor performance. Bird AM. **Res Q Am Assoc Health Phys Educ** 46(3):379-84, Oct 75

SOCIAL INSURANCE see **SOCIAL SECURITY**

SOCIAL ISOLATION

Experiential deprivation: unresolved factor in the impoverished socialization of deaf school children in residence. Evans AD. **Am Ann Deaf** 120(6):545-52, Dec 75
Experiential deprivation: a response. Youngs JP Jr. **Am Ann Deaf** 120(6):553-4, Dec 75
Peer status and the directionality of symptomatic behavior: prime social competence predictors of outcome for vulnerable children. Rolf JE. **Am J Orthopsychiatry** 46(1):74-88, Jan 76
Social-aggressive behavior after various intervals of social isolation in bluegill sunfish (Lepomis macrochirus Rafinesque) in different states of reproductive readiness. Chiszar D, et al. **Behav Biol** 16(4):475-87, Apr 76
Readiness to display in the paradise fish Macropodus opercularis, L., Belontiidae: the problem of general and specific effects of social isolation. Davis RE. **Behav Biol** 15(4):419-33, Dec 75
Long-term effects of preweaning isolation from littermates in rats. Leigh H, et al. **Behav Biol** 15(2):173-81, Oct 75
Timid singly-housed mice: their value in prediction of psychotropic activity of drugs. Kršiak M. **Br J Pharmacol** 55(1):141-50, Sep 75
'Binding' of gamma-aminobutyric acid and glycine to synaptic particles of the brains of differentially-housed mice; evidence for morphological changes. DeFeudis FV, et al. **Exp Neurol** 52(2):285-94, Aug 76
Effects of two kinds of social deprivation on testosterone and estradiol-17 beta plasma levels in the male rat. Dessì-Fulgheri F, et al. **Experientia** 32(1):114-5, 15 Jan 76
Different effect of social isolation on the levels of brain monoamines in post-weaning and young-adult rat. Nishikawa T, et al. **Folia Psychiatr Neurol Jpn** 30(1):57-63, 1976
Loneliness and the elderly as related to housing. Woodward H, et al. **Gerontologist** 14(4):349-51, Aug 74
Relativism and the problem of epistemological loneliness. Chandler MJ. **Hum Dev** 18(3):171-80, 1975
Sex differences in rhesus monkeys following varied rearing experiences. pp. 99-122. Sackett GP.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.
Changes in internal phase relationships during isolation. pp. 451-9. Kriebel J.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.
The effect of prolonged isolation on the catecholamine and serotonin concentration of discrete areas of the rat brain. pp. 61-7. Thoa NB, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Resistance to isolation among elderly widows. Arling G. **Int J Aging Hum Dev** 7(1):67-86, 1976
The orchestration of disengagement. Cath SH. **Int J Aging Hum Dev** 6(3):199-213, 1975
Engagement with an old theory. Cumming E. **Int J Aging Hum Dev** 6(3):187-91, 1975
A disengaged look at Disengagement Theory. Gordon JB. **Int J Aging Hum Dev** 6(3):215-27, 1975
Disengagement theory revisited. Markson EW. **Int J Aging Hum Dev** 6(3):183-6, 1975
The meaning of engagement. Spence DL. **Int J Aging Hum Dev** 6(3):193-8, 1975
Recent developments in child psychiatry--clinical paediatrics liaison consultation. II. Animal analogue-models of restraint-connected psychopathological reactions: the isolation and vertical chamber confinement studies. Becker RD. **Isr Ann Psychiatry** 13(4):297-320, Dec 75 (77 ref.)
The reward value of peers. A variable influencing the efficacy of filmed modeling in modifying social isolation in preschoolers. Evers-Pasquale W, et al. **J Abnorm Child Psychol** 3(3):179-89, 1975
Teaching social skills to isolated children. Gottman J, et al. **J Abnorm Child Psychol** 4(2):179-97, 1976
An activity-withdrawal distinction in schizophrenia: behavioral, clinical, brain damage, and neurophysiological correlates. Depue RA. **J Abnorm Psychol** 85(2):174-85, Apr 76
Depressive behavior in adult monkeys following separation from family environment. Suomi SJ, et al. **J Abnorm Psychol** 84(5):576-8, Oct 75
Contingent observation: an effective and acceptable procedure for reducing disruptive behavior of young children in a group setting. Porterfield JK, et al. **J Appl Behav Anal** 9(1):55-64, Spring 76
Effects of maternal and peer separations on young monkeys. Suomi SJ, et al. **J Child Psychol Psychiatry** 17(2):101-12, Apr 76
Correlates of ego-level and agency-communion in stage REM dreams of 11-13 year old children. Trupin EW. **J Child Psychol Psychiatry** 17(3):169-80, Jul 76
Isolation-induced aggression in newly hatched ducklings. Hoffman HS, et al. **J Comp Physiol Psychol** 89(5):447-56, Jul 75
The Victoria Isolation Scale, form A. Taylor AJ, et al. **J Consult Clin Psychol** 44(2):305, Apr 76
Intra-subject controlled time-out (social isolation) in the modification of self-injurious behaviour. Duker P. **J Ment Defic Res** 19(2):107-12, Jun 75
Control of screaming behavior using aversive conditioning and time-out. Matheson WE, et al. **J Psychiatr Nurs** 14(9):27-8, Sep 76
Nurses can be effective behavior modifiers. Niemeier DF, et al. **J Psychiatr Nurs** 14(1):18-21, Jan 76
Human and experimental factors in protracted isolation studies. Davies DM. **J R Nav Med Serv** 61(3):130-6, Winter 75
Letter: Solitary confinement in control units. Maclay DT. **Lancet** 2(7931):408, 30 Aug 75
Environmentally sensitive cerebral nerve endings. DeFeudis FV, et al. **Naturwissenschaften** 62(12):585, Dec 75
Back to the community: a dubious blessing. Slavinsky AT, et al. **Nurs Outlook** 24(6):370-4, Jun 76
The deprivation syndrome. Brearley P. **Nurs Times** 71(48):1914-5, 27 Nov 75
Portrait of a recluse. Hinton JG. **Nurs Times** 71(44):1753, 30 Oct 75
Return to society: problematic features of the re-entry process. Jansson DP. **Perspect Psychiatr Care** 13(3):136-42, Jul-Sep 75
Intraventricular 6-hydroxydopamine lowers isolation-induced fighting behavior in male mice. Crawley JN, et al. **Pharmacol Biochem Behav** 4(4):381-4, Apr 76
Incentive motivation and behavioral inhibition in socially-isolated rats. Morgan M, et al. **Physiol Behav** 15(5):405-9, Oct 75
Activity and exploration in thyroid-deficient and socially-isolated rats. Morgan MJ, et al. **Physiol Behav** 16(1):107-10, Jan 76
Emotional deprivation and neglect in child patients. Nangle D. **Physiotherapy** 62(9):297-8, Sep 76
Light and social exposure: complimentary effect on pituitary gonadal function. Cheng MF. **Prog Brain Res** 42:368, 1975
Effect of duration of time out in suppressing disruptive behavior of a severely autistic child. Freeman BJ, et al. **Psychol Rep** 38(1):124-6, Feb 76
Effect of arousal by social isolation, grouping, and d-amphetamine on inter-male aggression in mice (Mus musculus). Miley WM, et al. **Psychol Rep** 38(2):635-8, Apr 76
Chlordiazepoxide and isolation induced timidity in rats. Einon D, et al. **Psychopharmacologia** 44(1):83-5, 14 Oct 75
Effect of isolation induced aggression in mice on serum creatine kinase. Matte AC. **Psychopharmacologia** 42(2):209-10, 28 May 75
Increased sensitivity to chronic ethanol in isolated mice. Yanai J, et al. **Psychopharmacologia** 46(2):185-9, 16 Mar 76
Loneliness--the problems of the elderly and retired. Fidler J. **R Soc Health J** 96(1):39-41, 44, Feb 76
Effects of isolation on mice in relation to age and sex. Takemoto TI, et al. **Tohoku J Exp Med** 117(2):153-65, Oct 75
Loneliness and old age. Dénes Z. **Z Alternsforsch** 29(3):305-10, 1975
[Short-term fasting in young rats: share of social deprivation in the etiology of learning disorders] Nováková V. **Cesk Fysiol** 25(1):13-6, 1976 **(Cze)**
[Comparison of the situation of childless old people and old people with living children] Zaremba V. **Cesk Zdrav** 24(3):128-34, Mar 76 (Eng. Abstr.) **(Cze)**
[Modification of the effects of prior residence in xiphophorus (Pisces, Poeciliidae): the role of isolation and differences in size] Zayan RC. **Z Tierpsychol** 41(2):142-90, Jun 76 (Eng. Abstr.) **(Fre)**
[Human experience with isolation] Vogl A. **Ther Ggw** 114(8):1191-205, Aug 75 **(Ger)**
[Realization of principles and measures for the improvement of medical, social and cultural care for senior citizens and for the advancement of their increased participation in social life] Eitner S, et al. **Z Alternsforsch** 29(3):241-54, 1975 **(Ger)**
[Reorganization of human temperature periodicity following life rhythm inversion in isolation] Stepanova SI, et al. **Kosm Biol Aviakosm Med** 9(5):35-44, Sep-Oct 75 (Eng. Abstr.) **(Rus)**
[Characteristics of the behavior of mice following isolation from littermates] Poshivalov VP. **Zh Vyssh Nerv Deiat** 26(2):421-3, Mar-Apr 76 **(Rus)**
[Diogenes' syndrome: a less known and frequent clinical picture in old age] Melendro JC, et al. **Actas Dermosifiliogr** 67(3-4):225-32, Mar-Apr 76 (Eng. Abstr.) **(Spa)**

SOCIAL MEDICINE

Problems of preventive and social medicine. Lucas AO. **Bull Schweiz Akad Med Wiss** 30(4-6):202-9, Oct 74
Brilliant 'June 26' directive shows me the way forward. Yung-ts'ai Y. **Chin Med J** 1(4):241-6, Jul 75
Relevance in oncology and its implementation in a Scottish region. Philip JF. **Clin Oncol** 1(1):11-19, Mar 75
The use of prompting devices in improving preventive and social aspects of pediatric case records. Kumar V, et al. **Indian Pediatr** 12(7):539-44, Jul 75
Editorials: Medicine, Russia, shock, and the future. Kimbrough EE. **J SC Med Assoc** 71(7):230-1, Jul 75
[Social medicine and the medical officers. Duties of the medical officers within the area of social medicine] Albrectsen SR, et al. **Ugeskr Laeger** 138(15):935-8, 5 Apr 76 **(Dan)**
[Cooperation between social and health authorities and general practice in Roskilde municipal district] Kragh PL. **Ugeskr Laeger** 137(49):2939-40, 1 Dec 75 **(Dan)**

[Social consults in general practice. I. The pattern of socio-medical problems in general practice] Kruse T, et al. **Ugeskr Laeger** 138(27):1655–63, 28 Jun 76 (Eng. Abstr.) **(Dan)**

[Structure of socio-medical cooperation in large rural districts (group classification by physician practice)] Schmidt E. **Ugeskr Laeger** 137(49):2940–I, 1 Dec 75 **(Dan)**

[Editorial: Environmental health and social and preventive medicine] Delachaux A. **Soz Praeventivmed** 20(1):3–4, Jan–Feb 75 **(Fre, Ger)**

[Mental health as the task of social and preventive medicine] pp. 202–6. Wissler D.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

[The attitude of medical students to concepts of social and preventive medicine] Müller HR. **Soz Praeventivmed** 20(1):11–3, Jan–Feb 75 (Eng. Abstr.) **(Ger)**

[Letter:Basic problems of modern medicine] Böszörményi M. **Orv Hetil** 117(26):1613–7, 27 Jun 76 **(Hun)**

[Examination of healthy people and its medical and social implications] Speciani LO. **Minerva Med** 67(2):113–4, 14 Jan 76 **(Ita)**

[Editorial: Social medicine] Evang K.
Tidsskr Nor Laegeforen 95(29):1678–9, 20 Oct 75 **(Nor)**

[The vocational dilemma of mothers with small children. Various social medicine aspects] Grünfeld B.
Tidsskr Nor Laegeforen 95(29):1633–5, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Letter: Social and clinical medicine] Nilsen NO.
Tidsskr Nor Laegeforen 96(3):191–2, 30 Jan 76 **(Nor)**

[Letter: Social and clinical medicine] Nilsen NO.
Tidsskr Nor Laegeforen 96(12):727, 30 Apr 76 **(Nor)**

[Social medicine aspects of genetic counseling] Orstavik KH.
Tidsskr Nor Laegeforen 95(29):1631–2, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Letter: Thoughts concerning social medicine and individual medicine] Seyffarth H. **Tidsskr Nor Laegeforen** 96(7):463–4, 10 Mar 76 **(Nor)**

[The general practitioner's problem patients at a socio-medical clinic] Larsson S. **Lakartidningen** 72(33):3078–80, 13 Aug 75 (Eng. Abstr.) **(Swe)**

EDUCATION

Education in community medicine with an emphasis on the health of an Aboriginal community: a pilot project. Kamien M. **Med J Aust** 2(13):509–13, 27 Sep 75

[Report on pilot-courses in the Academy of Public Health in Düsseldorf (author's transl)] Müller-Breitkreutz C, et al. **Oeff Gesundheitswes** 38(1):12–5, Jan 76 (Eng. Abstr.) **(Ger)**

[Role of the Chair of Social hygiene in the organization and conduction of educational research work of students] Evseeva NP, et al. **Sov Zdravookhr** (9):58–61, 1975 **(Rus)**

[Evolution of the teaching of preventive and social medicine in Latin America (author's transl)] Romero J, et al.
Rev Med Chil 103(9):628–33, Sep 75 **(Spa)**

[NLV-courses in socialpediatric in Uppsala] Sjölin S, et al.
Lakartidningen 72(44):4228–9, 29 Oct 75 **(Swe)**

HISTORY

[Rudolf Virchow and the social and hygienic environmental problems] Jahn E. **Med Monatsschr** 29(6):263–8, Jun 75 **(Ger)**

[Development of social medicine at the Charité] Winter K.
Z Aerztl Fortbild (Jena) 69(9):461–5, 1 May 75 **(Ger)**

[Social and industrial medicine problems in inaugural dissertations from Halle in the 18th century] Kaiser W, et al. **Z Gesamte Hyg** 20(4):228–33, Apr 74 (Eng. Abstr.) **(Ger)**

[Theories and plans for the nationalization of public health and pharmacy at the turn of the century] Kempler K.
Orv Hetil 116(40):2267–70, 5 Oct 75 **(Hun)**

[Medico-social problems on Polish territories during the era of developing capitalism up to 1918] Fijalek J.
Arch Hist Med (Warsz) 39(1):7–18, 1976 (Eng. Abstr.) **(Pol)**

[1st social hygiene research on the problem of hunger in prerevolutionary Russia] Egorysheva IV.
Sov Zdravookhr (12):62–6, 1975 **(Rus)**

[Social survey of women's health in the USSR in the 20's and 30's] Vengrova IV, et al. **Sov Zdravookhr** (10):68–72, 1975 **(Rus)**

SOCIAL MOBILITY

Modernization and mobility into the patrimonial medical elite in Thailand. Maxwell WE. **Am J Sociol** 81(3):465–90, Nov 75

The causal priority between socioeconomic status and psychiatric disorder: a prospective study. Lee RP.
Int J Soc Psychiatry 22(1):1–8, Spring 76

Status inconsistency, mobility and CHD: a reply to Horan and Gray. Shekelle RB. **J Health Soc Behav** 17(1):83–7, Mar 76

SOCIAL PERCEPTION

Perceptions of the use of drugs—a cross-sectional analysis. Calhoun JF. **Adolescence** 11(41):143–52, Spring 76

Training of white adolescents to accurately simulate black adolescent personality. Moore TL, et al. **Adolescence** 10(38):231–9, Summer 75

Role-taking ability and the interpersonal tactics of retarded children. Affleck GG. **Am J Ment Defic** 80(6):667–70, May 76

Some interpersonal consequences of being mentally ill or mentally retarded. Farina A, et al. **Am J Ment Defic** 80(4):414–22, Jan 76

Attitudes toward mentally retarded persons: effects of attitude referent specificity. Gottlieb J, et al.
Am J Ment Defic 80(4):376–81, Jan 76

Attractiveness as a biasing factor in teacher judgments. Ross MB, et al. **Am J Ment Defic** 80(1):96–8, Jul 75

Peer status and the directionality of symptomatic behavior: prime social competence predictors of outcome for vulnerable children. Rolf JE. **Am J Orthopsychiatry** 46(1):74–88, Jan 76

Disabled counselors: perception of their effectiveness in a therapeutic relationship. Mitchell JC.
Arch Phys Med Rehabil 57(1):348–52, Jul 76

The body image and object relations: exploration of a method utilizing repertory grid techniques. Feldman MM.
Br J Med Psychol 48(4):317–32, Dec 75

Psychiatric patients as seen by self and others: an exploration of change in a therapeutic community setting. Kennard D, et al. **Br J Med Psychol** 49(1):35–53, Mar 76

Psychological construing, 'difficulty' and thought disorder. McPherson FM, et al. **Br J Med Psychol** 48(4):303–15, Dec 75

Reward allocation between high and low test anxious boys. Benton AA. **Br J Soc Clin Psychol** 14(2):131–8, Jun 75

Psychiatric testimony and the Rashomon phenomenon. Perr IN. **Bull Am Acad Psychiatry Law** 3(2):83–98, 1975

Children's use of motives and intentionality in person perception and moral judgement. Berndt TJ, et al.
Child Dev 46(4):904–12, Dec 75

Infants' responses to strangers: midget, adult, and child. Brooks J, et al. **Child Dev** 47(2):323–32, Jun 76

Children's perceptions of deviance and disorder. Coie JD, et al. **Child Dev** 47(2):407–13, Jun 76

University of Nairobi medical student perceptions of deviant conditions and sick role incumbency. Kurtz RA.
East Afr Med J 52(5):257–68, May 75

Effects of four types of disfluency on listener reactions. Duffy RJ, et al. **Folia Phoniatr (Basel)** 27(2):106–15, 1975

Health and socio-economic factors related to life satisfaction among the aged. Seppänen B, et al. **Geron** (20):106–24, 1974–75

Social interaction and perceived adequacy of interaction of the rural aged. Heltsley ME, et al. **Gerontologist** 15(6):533–6, Dec 75

Neutralization of affective concepts in schizophrenia. Andorfer JC, et al. **J Abnorm Psychol** 84(6):722–5, Dec 75

Depression and the response of others. Coyne JC.
J Abnorm Psychol 85(2):186–93, Apr 76

The dimensions of stigma: the social situation of the mentally ill person and the male homosexual. Pollack S, et al.
J Abnorm Psychol 85(1):105–12, Feb 76

Interviewee matching of interviewer temporal speech behaviors as related to perceived empathy, warmth, and genuineness. Natale M. **J Clin Psychol** 32(2):407–12, Apr 76

Distortion in the perception of depression as a function of level of depression and denial. O'leary, MR, et al.
J Clin Psychol 32(3):527–32, Jul 76

Perception of self and significant others by alcoholics and nonalcoholics. Quereshi MY, et al. **J Clin Psychol** 32(1):189–94, Jan 76

Introversion-extraversion and topological representations of self and others. Tolor A. **J Clin Psychol** 31(4):662–3, Oct 75

Preferences toward Mexican American and Anglo American psychotherapists. Acosta FX, et al.
J Consult Clin Psychol 44(2):272–9, Apr 76

Correlates of successful and unsuccessful psychotherapy. Bent RJ, et al. **J Consult Clin Psychol** 44(1):149, Feb 76

Effects of guilt, approachability of examiner, and stimulus relevance upon sexual responses to thematic apperception stimuli. Janda LH. **J Consult Clin Psychol** 43(3):369–74, Jun 75

Labeling the mentally ill and the attribution of personal traits. Kirk SA. **J Consult Clin Psychol** 44(2):306, Apr 76

Social perception of suicide: effects of three factors on causal attributions. Selby JW, et al. **J Consult Clin Psychol** 43(3):431, Jun 75

Self-evaluation and assessments of performance by self and others. Shrauger JS, et al. **J Consult Clin Psychol** 44(4):564–72, Aug 76

Social anxiety and the evaluation of negative interpersonal feedback. Smith RE, et al. **J Consult Clin Psychol** 43(3):429, Jun 75

Impression management ability in psychiatric hospital samples and normals. Watson CG.
J Consult Clin Psychol 43(4):540–5, Aug 75

Interpersonal and personal construct systems in psychopaths. Widom CS. **J Consult Clin Psychol** 44(4):614–23, Aug 76

Effects of discipline techniques on children's personality trait inferences. Rice WK Jr. **J Educ Psychol** 67(4):570–5, Aug 75

The development of trait inference. Snodgrass SR.
J Genet Psychol 128(2):163–72, Jun 76

Relationship of personality needs to perceptions concerning alternate life styles. Stinnett N, et al. **J Genet Psychol** 128(2):301–2, Jun 76

Perceptions of onsets of young adulthood, middle age, and old age. Drevenstedt J. **J Gerontol** 31(1):53–7, Jan 76

Reduction of adolescent misperceptions of the aged. Labouvie-Vief G, et al. **J Gerontol** 31(1):68–71, Jan 76

Preinformation-its effect on nurses' descriptions of a patient. Kraus VL. **J Nurs Educ** 15(5):18–26, Sep 76

Complexity, extremity, and affect in male and female judgments. Deaux K, et al. **J Pers** 43(3):379–89, Sep 75

Deviance and a generalized disposition toward internality: an attributional approach. Koeske GF, et al. **J Pers** 43(4):634–46, Dec 75

Dissimilarity and attraction: when difference makes a difference. Grush JE, et al. **J Pers Soc Psychol** 32(5):783–9, Nov 75

Adults' evaluations of a child as a function of sex of adult and sex of child. Gurwitz SB, et al.
J Pers Soc Psychol 32(5):822–8, Nov 75

Person perception and the Berkowitz paradigm for the study of aggression. Kane TR, et al. **J Pers Soc Psychol** 33(6):663–73, Jun 76

Self-concept and attraction for similar and dissimilar others. Leonard RL Jr. **J Pers Soc Psychol** 31(5):926–9, May 75

Psychological differentiation as a factor in conflict resolution. Oltman PK, et al. **J Pers Soc Psychol** 32(4):730–6, Oct 75

Empathy and attribution: turning observers into actors. Regan DT, et al. **J Pers Soc Psychol** 32(5):850–6, Nov 75

Perseverance in self-perception and social perception: biased attributional processes in the debriefing paradigm. Ross L, et al. **J Pers Soc Psychol** 32(5):880–92, Nov 75

Achievement and morality: a cross-cultural analysis of causal attribution and evaluation. Salili F, et al.
J Pers Soc Psychol 33(3):327–37, Mar 76

Self-presentation: managing the impression of consistency when reality interferes with self-enhancement. Schlenker BR. **J Pers Soc Psychol** 32(6):1030–7, Dec 75

Egotism and attribution. Snyder ML. **J Pers Soc Psychol** 33(4):435–41, Apr 76

Ratings of self and peers on sex role attributes and their relation to self-esteem and conceptions of masculinity and femininity. Spence JT, et al. **J Pers Soc Psychol** 32(1):29–39, Jul 75

The perception of self and others: acquaintanceship, affect, and actor-observer differences. Taylor SE, et al.
J Pers Soc Psychol 33(4):403–8, Apr 76

Differentiation of affective and denotative meaning systems and their influence in personality ratings. Tzeng OC.
J Pers Soc Psychol 32(6):978–88, Dec 75

Informational determinants of females' self-attributions and observers' judgments of them in an achievement situation. Wyer RS Jr, et al. **J Pers Soc Psychol** 32(3):556–70, Sep 75

Authoritarianism and All in the Family. Chapko MK, et al.
J Psychol 90(Second Half):245–8, Jul 75

The effect of increased information upon community perception of ex-mental patients. Fracchia J, et al.
J Psychol 91(Second Half):271–5, Nov 75

Self-concept support and friendship duration. Bailey RC, et al. **J Soc Psychol** 96(Second Half):237–43, Aug 75

Some factors influencing aggression in two field experiments. Harris MB, et al. **J Soc Psychol** 98(Second Half):291–2, Apr 76

The effect of selective attention on communicating personality impressions. Perry RP. **J Soc Psychol** 98(First Half):121–30, Feb 76

Negative salience in impressions of character: effects of unequal proportions of positive and negative information. Richey MH, et al. **J Soc Psychol** 97(Second Half):233–41, Dec 75

Effects of speech rate on personality perception. Smith BL, et al. **Lang Speech** 18(2):145–52, Apr-Jun 75

Effects of physical stigmata and labels on judgments of subnormality by preservice teachers. Aloia GF.
Ment Retard 13(6):17–21, Dec 75

Retarded children's perceptions of favorite television characters as behavioral models. Baran SJ, et al.
Ment Retard 13(4):28–31, Aug 75

The mentally ill and mentally retarded via adjectival descriptions. Cleland C, et al. **Ment Retard** 13(5):28–30, Oct 75

The community and the retarded: a study in social ambivalence. Lewis JF. **Monogr Am Assoc Ment Defic** (1):164–74, 1973

The role of 'knowledge at hand' in the practical management of institutionalized 'idiots'. MacAndrew C.
Monogr Am Assoc Ment Defic (1):123–33, 1973

Dysfunctional reciprocal control in dyadic/polyadic interactions. Natalicio LF.
Monogr Am Assoc Ment Defic (1):117–22, 1973

Men nursing students:how they perceive their situation. A student surveys his classmates. Rogness H.
Nurs Outlook 24(5):303–5, May 76

Men nursing students: how they perceive their situation: conflict between expectations and reality. Schoenmaker A, et al. **Nurs Outlook** 24(5):298–303, May 76

The tarnished Image. Wheelock A. **Nurs Outlook** 24(8):510–1, Aug 76

Measurement of Nursing Work Load Using Head Nurses' Perceptions. Trivedi VM, et al. **Nurs Res** 24(5):371–6, Sep-Oct 75

Nursing: forward - where? How? Carew HM.
Occup Health Nurs (NY) 23(9):17–9, Sep 75

Effects of social influence in a recognition task of auditory intensity: a temporary shift in criterion. Biderman MD, et

al. **Percept Mot Skills** 42(1):75–85, Feb 76

Perceptions and behaviors of dogmatic subjects in a T-group setting. Davis TB, et al. **Percept Mot Skills** 41(2):375–81, Oct 75

Eye movement in perception of another person's looking behavior. Deutsch R, et al. **Percept Mot Skills** 40(2):475–81, Apr 75

Role of nonverbal communication in the perception of leadership. Gitter AG, et al. **Percept Mot Skills** 40(2):463–6, Apr 75

Visual observing by rhesus monkeys: influence of potentially threatening stimuli. Haude RH, et al. **Percept Mot Skills** 43(1):231–7, Aug 76

Indian students' perceptions of the ideal self, the ideal leader, the ideal teacher, Indira Gandhi and the business executive. Merenda PF, et al. **Percept Mot Skills** 40(2):611–5, Apr 75

Additional evidence for veridicality of perceptions based on physiognomic cues. Terry RL. **Percept Mot Skills** 40(3):780–2, Jun 75

Children's understanding of their emotionally disturbed peers. I. The concept of emotional disturbance. Marsden G, et al. **Psychiatry** 39(3):227–38, Aug 76

Impact of dogmatism on reactions to unvalidated authority and anti-authority. Bord RJ. **Psychol Rep** 38(3 Pt 2):1219–22, Jun 76

Philosophies of Human Nature and Hostile Press. Cohen RJ, et al. **Psychol Rep** 37(2):460–2, Oct 75

Public views on ex-mental patients: a note on perceived dangerousness and unpredictability. Fracchia J, et al. **Psychol Rep** 38(2):495–8, Apr 76

Who presses the elevator button after someone else: dominance/deference, sex, and authority figure determinants. Fryrear JL, et al. **Psychol Rep** 38(2):671–4, Apr 76

Social comparison and effect of discrimination among levels of originality on self-assessed originality. Hood RW Jr, et al. **Psychol Rep** 38(2):439–46, Apr 76

Effects of depression and target status on aggressive responding. Miller HL, et al. **Psychol Rep** 38(1):75–81, Feb 76

Perception of parental behavior by adolescents in crisis. Nihira K, et al. **Psychol Rep** 37(3 Pt 1):787–93, Dec 75

Preliminary study of perceived self-disclosure. Rogers R, et al. **Psychol Rep** 38(3 Pt 2):1334, Jun 76

Actor-observer differences in perceived locus of control. Scharf S, et al. **Psychol Rep** 38(2):420–2, Apr 76

Levels of dogmatism and social distance attitudes toward hippies. Steffensmeier DJ. **Psychol Rep** 38(1):222, Feb 76

In pursuit of a dogmatism factor: derogation or alienation? Steininger M. **Psychol Rep** 37(3 PT 2):1041–2, Dec 75

On different relationships between dogmatism and Machiavellianism among male and female college students. Steininger M, et al. **Psychol Rep** 38(3 pt. 1):779–82, Jun 76

Preserving a positive image of a 'fallen' politician: a unique approach to studying attitudes toward alcoholism via the case of Wilbur Mills. Tolor A, et al. **Psychol Rep** 38(3 Pt 2):1099–103, Jun 76

Individual versus provided constructs, cognitive complexity and extremity of ratings in person perception. Kuusinen J, et al. **Scand J Psychol** 16(2):137–48, 1975

The convergent validity of four indices of congnitive complexity in person perception. A multi-index multimethod and factor analytical approach. Kuusinen J, et al. **Scand J Psychol** 16(2):131–6, 1975

[Perception of the father's attitudes and educational practices by delinquent and normal adolescents] Musunda B. **Can Psychiatr Assoc J** 20(4):299–303, Jun 75 (Eng. Abstr.) **(Fre)**

[Sociometric results from a psychiatric clinic] Burkert HJ. **Prax Kinderpsychol Kinderpsychiatr** 25(6):238–44, Aug–Sep 76 (Eng. Abstr.) **(Ger)**

[Social situation of persons with dermatoses as a phenomena of interpersonal perception (author's transl)] Bosse K, et al. **Z Psychosom Med Psychoanal** 22(1):3–61, Jan–Mar 76 (Eng. Abstr.) **(Ger)**

SOCIAL PLANNING

A systems strategy for the assessment of a halfway house for teenagers. Holland WE, et al. **Adolescence** 11(42):220–7, Summer 76

The scientist and social policy on aging. Cohen ES. **Adv Exp Med Biol** 61:251–61, 1975

The community psychologist as social planner. Designing optimal environments. Catalano R, et al. **Am J Community Psychol** 3(4):327–34, Dec 75

Habitat: quality of life on a global scale. Marcus C. **Can Nurse** 72(5):28–29, May 76

Health and industrial growth. Socio-environmental consequences of design. Papanek V. **Ciba Found Symp** (32):171–8, 1975

Setting a social maximum and a social minimum for food and nutrition. Abercrombie KC. **Food Nutr (Roma)** 1(4):28–32, 1975

The welfare implications of the extension of life. Zeckhauser R. **Gerontologist** 14(1):2–3, 93, 95, Feb 74

Public ethics and policy making. Jonsen AR, et al. **Hastings Cent Rep** 5(4):19–31, Aug 75

Hierarchiologist Peter has a plan. Peter LJ. **Hosp Prog** 57(2):14, Feb 76

The role of medical associations in the formulation and implementation of national population policies and programs. pp. 222–9. Mundo FD.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 1618p 1974.

Informed consent in social experimentation: some cautionary notes. pp. 79–104. Brown PG.
In: Rivlin AM, Timpane PM, ed. Ethical and legal issues of social experimentation. Washington, Brookings Institution, 1975. W 50 W82 1973.

Social experimentation and the law. pp. 127–63. Capron AM.
In: Rivlin AM, Timpane PM, ed. Ethical and legal issues of social experimentation. Washington, Brookings Institution, 1975. W 50 W82 1973.

The ethics of social experimentation. pp. 105–14. Gramlich EM, et al.
In: Rivlin AM, Timpane PM, ed. Ethical and legal issues of social experimentation. Washington, Brookings Institution, 1975. W 50 W82 1973.

Ethical and legal issues of social experimentation. Introduction and summary. pp. 1–19. Rivlin AM, et al.
In: Rivlin AM, Timpane PM, ed. Ethical and legal issues of social experimentation. Washington, Brookings Institution, 1975. W 50 W82 1973.

Ethical and legal issues of social experimentation. General comments. pp. 165–80. Schelling TC.
In: Rivlin AM, Timpane PM, ed. Ethical and legal issues of social experimentation. Washington, Brookings Institution, 1975. W 50 W82 1973.

Social programs and social experiments. pp. 115–25. Schultze CL.
In: Rivlin AM, Timpane PM, ed. Ethical and legal issues of social experimentation. Washington, Brookings Institution, 1975. W 50 W82 1973.

Analysis of traditional strategies to combat world hunger and their results. Almeida S, et al. **Int J Health Serv** 5(1):121–41, 1975

Population growth–a menace to what? Hofsten E. **Int J Health Serv** 5(3):417–24, 1975

Cooperative Extension Service's potential to meet the needs in rural health education and in rural institutional development. Konyha M. **Public Health Rep** 90(4):340–3, Jul–Aug 75

Human investment in environmental sanitation programmes. **WHO Chron** 30(1):26–7, Jan 76

[Desire to have a child as an example of the significance of the subjective factor in human reproduction] Geissler A. **Z Gesamte Hyg** 22(7):530–6, Jul 76 (Eng. Abstr.) **(Ger)**

SOCIAL PROBLEMS

see related
ALCOHOLISM
DRUG DEPENDENCE
GAMBLING
STUDENT DROPOUTS

Editorial: Heroin Addiction: a communicable disease or a sociological phenomena? Stimmel B. **Am J Drug Alcohol Abuse** 1(3):445–7, 1974

Psychodynamic and psychosocial problems in our future society: Anticipated causes and suggestions for prophylactic techniques. Lesse S. **Am J Psychother** 30(2):206–17, Apr 76

Environmental and social problems arising from industrial growth. Challis EJ. **Ciba Found Symp** (32):179–201, 1975

Community factors in young murders. Walsh-Brennan KS. **Community Health (Bristol)** 6(5):252–6, Mar–Apr 75

The prevention of drinking problems. pp. 267–91. Gusfield JR.
In: Filstead WJ, et al., ed. Alcohol and alcohol problems. Cambridge, Mass., Ballinger, 1976. WM 274 L973a 1973.

Understanding family problems. Llinas JJ. **J Fla Med Assoc** 62(12):30–4, Dec 75

The depression of the oppressed. Thomas CS, et al. **MH** 59(3):13–4, Summer 75

The endless file. Warren E Jr. **MH** 59(3):8–11, Summer 75

Notes of a biology-watcher. On meddling. Thomas L. **N Engl J Med** 294(11):599–600, 11 Mar 76

Social problems confronting a person with epilepsy in modern society. Edwards VE. **Proc Aust Assoc Neurol** 11:239–43, 1974

Prisons, shelters, and homeless men. Gunn J. **Psychiatr Q** 48(4):505–12, 1974

Sucess today–achievement without happiness. Neumann CP. **Psychosomatics** 16(3):103–6, 1975

The roots of vandalism. Schaffer EB. **R Soc Health J** 95(2):79–82, Apr 75

Stress in everyday life. (a) Stress in society. Stewart GT. **R Soc Health J** 95(2):65–9, Apr 75

Structure and dynamics of worries. Levy S, et al. **Sociometry** 38(4):445–73, Dec 75

Nutrition and the future of mankind. Béhar M. **WHO Chron** 30(4):140–3, Apr 76

[Pathological-anatomical aspects of vagabondage (author's transl)] Veith G, et al. **Fortschr Neurol Psychiatr** 44(1):1–21, Jan 76 (Eng. Abstr.) **(Ger)**

[Acute situations and sociomedical problems in diabetes mellitus] Petrides P. **Med Welt** 26(36):1582–5, 5 Sep 75 **(Ger)**

[Medical care of socially impaired or endangered children and adolescents] Dietel V, et al. **Z Gesamte Hyg** 20(12):865–6, Dec 74 **(Ger)**

[Occupational disability among individuals 30–49 years of age. Sociomedical population study in a slum area] Hanoa R. **Tidsskr Nor Laegeforen** 95(29):1655–61, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[School failures and their situation outside of school] Hauge R. **Tidsskr Nor Laegeforen** 95(29):1642–5, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Drug abuse as a symptom among adolescents] Stang HJ. **Tidsskr Nor Laegeforen** 95(29):1646–9, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Symptoms as a sign of difficulties in personal relations] Vaglum P. **Tidsskr Nor Laegeforen** 95(32):1841–4, 20 Nov 75 (Eng. Abstr.) **(Nor)**

[Homeless men—a sociopsychiatric and clinical study] Borg S. **Lakartidningen** 73(21):2035–7, 19 May 76 (Eng. Abstr.) **(Swe)**

HISTORY

[Social problems in the works of Russian artists] Murav'eva EF. **Sov Zdravookhr** (12):37–42, 1975 **(Rus)**

SOCIAL PSYCHIATRY see **PSYCHIATRY, COMMUNITY**

SOCIAL PSYCHOLOGY see **PSYCHOLOGY, SOCIAL**

SOCIAL REINFORCEMENT see **REINFORCEMENT, SOCIAL**

SOCIAL SCIENCES

Capital punishment. Effects of the death penalty: data and deliberations from the social sciences. Pierce CM. **Am J Orthopsychiatry** 45(4):580, Jul 75

The role of the social sciences in determining the constitutionality of capital punishment. White WS. **Am J Orthopsychiatry** 45(4):581–95, Jul 75

Application of social science theories to family planning health education in the People's Republic of China. Wang VL. **Am J Public Health** 66(5):440–5, May 76

Personality differences between both intended and actual social sciences and engineering majors. Horn JM, et al. **Br J Educ Psychol** 45(3):293–8, Nov 75

Towards a redefinition of health education: the role of the social sciences. Richards ND. **Community Health (Bristol)** 7(3):135–43, Jan 76

Ethics and social science research. Halper T. **Conn Med** 39(7):430–2, Jul 75

Recent gerontological developments in psychology and social sciences. Carp FM, et al. **Gerontologist** 15(4):368–70, Aug 75

Gerontology and the social and behavioral sciences: where do we go from here? Shanas E. **Gerontologist** 15(6):499–502, Dec 75

Selective utilization of social science related information by federal policy-makers. Rich RF. **Inquiry** 12(3):239–45, Sep 75

Translating research in the social and behavioral sciences for more effective use in community dentistry. Yacovone JA. **J Public Health Dent** 36(3):155–63, Summer 76

[A contribution to the formal discrimination between the concepts of science and ideology] Yárnez Cortés R. **Acta Psiquiatr Psicol Am Lat** 31(3–4):193–8, Sep–Dec 75 (Eng. Abstr.) **(Spa)**

[The pediatrician and social sciences] Menchaca FJ, et al. **Bol Med Hosp Infant Mex** 33(3):707–17, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Social research as applied to health] Mercer H. **Educ Med Salud** 9(4):347–54, 1975 (Eng. Abstr.) **(Spa)**

EDUCATION

Baccalaureate origins of american scientists and scholars. Tidball ME, et al. **Science** 193(4254):646–52, 20 Aug 76

SOCIAL SECURITY

Social security and fertility: an international perspective. Hohm CF. **Demography** 12(4):629–44, Nov 75

Commentaries on the SSA's prudent buyer principle. **Hosp Prog** 56(11):44–50, Nov 75

Diagnostic patterns in disability Illinois and the nation. Grant HE. **Ill Med J** 149(3):230, 234, Mar 76

Rehabilitation of the severely disabled. Disability examiners. pp. 113–22. Chadwick RC.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Does social security support for medical care weaken public health programs? Roemer IM, et al. **Int J Health Serv** 6(1):69–78, 1976

Disability determination under Social Security and the new supplemental security income program. Contrasts and similarities. Cozart WM. **NC Med J** 37(1):47–9, Jan 76

Social security and health care since Beveridge. Orriss HD. **Nurs Times** 72(10):390–1, 11 Mar 76

Developing physical therapy fee schedules based on Social Security Amendments of 1972. Sanford TL. **Phys Ther** 56(6):663–8, Jun 76

[Insurance in Finnish society] Aurela A. **Duodecim** 91(16):904–13, 1975 **(Fin)**

[The Finnish system of individual insurances] Koivusalo L. **Duodecim** 91(16):914–21, 1975 **(Fin)**

[Applications of the social insurance act] Tuomi E. **Duodecim** 91(16):941–50, 1975 **(Fin)**

[Remarks on expert opinions for Social Security concerned with the application of the ruling of January 7, 1969, on industrial accidents] Saif N, et al. **Med Leg Dommage Corpor** 7(4):371–4, Oct–Dec 74 **(Fre)**

[Social security of women (author's transl)] Griesinger A. **Oeff Gesundheitswes** 38(3):145–50, Mar 76 (Eng. Abstr.) **(Ger)**

SOCIAL SERVICE

see related

COMMUNITY HEALTH SERVICES

Towards planned pregnancy: the impact of medical and sociological services in a metropolitan connerbation. Newton J. **Acta Eur Fertil** 6(3):197–207, Sep 75

The physician and the social worker. Forman LH. **Am Fam Physician** 13(1):90–3, Jan 76

Outreach to welfare hotels, the homebound, the frail. Brickner PW, et al. **Am J Nurs** 76(5):762–4, May 76

Priorities and expenditure. **Br Med J** 1(6008):513–5, 28 Feb 76

Editorial: Sociological realities. **Br Med J** 1(6013):790, 3 Apr 76

Letter: Sociological realities. **Br Med J** 1(6015):957–8, 17 Apr 76

Letter: Sociological realities. Rosen I, et al. **Br Med J** 1(6017):1077, 1 May 76

The 'flower children' of Sudbury. Smiley CW. **Bull NY Acad Med** 51(8):991–6, Sep 75

Evaluating innovative treatment programs in child abuse and neglect. Cohn AH, et al. **Child Today** 4(3):10–2, May–Jun 75

Working with abusive parents. A social worker's view. Davoren E. **Child Today** 4(3):2, 38–43, May–Jun 75

Eight countries: cross-national perspectives on child abuse and neglect. Kamerman SB. **Child Today** 4(3):34–7, May–Jun 75

The teen-age single mother. Bemis J, et al. **Child Welfare** 55(5):309–18, May 76

Home visiting with family day care providers. Rubin S. **Child Welfare** 54(9):645–57, Nov 75

The role of the social worker in health care. Morgan W, et al. **Community Health (Bristol)** 7(3):122–7, Jan 76

Domiciliary health and welfare services for the elderly in Glasgow: use and need. Robertson C, et al. **Community Health (Bristol)** 7(3):128–33, Jan 76

Matching families and services. Karnes MB, et al. **Except Child** 41(8):545–9, May 75

Applying research and training to improve life for the aged. McKinsey ME. **Geriatrics** 30(12):80–4, Dec 75

Elderly patients and their families. Factors related to satisfaction with hospital social services. Berkman B, et al. **Gerontologist** 15(6):524–8, Dec 75

Group work with the aging. An issue for social work education. Mayadas NS, et al. **Gerontologist** 14(5 pt 1):440–5, Oct 74

The concept of an atlas of health and social services. Forster F. **Health Bull (Edinb)** 33(2):58–67, Mar 75

Hospital social work should be more than a 9–to–5 position. Krell GI. **Hospitals** 50(10):99–100, 102, 104, 16 May 76

Poverty aspects of aging. pp. 25–59. Grace HA.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

Voluntary activities for the older American. pp. 173–84. Sainer JS.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

[The puerto rican forum on mental health] pp. 199–213, 231–47. Buono J.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974. (Eng, Spa)

The Puerto Rican Family Institute: a laboratory for therapeutic techniques to aid Spanish–speaking families. pp. 61–72. Canabal J, et al.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

The 'super system' and the Spanish–speaking elderly. pp. 169–78. de Armas EP.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

The Puerto Rican Family Institute. The Institute's mental health clinic. pp. 81–5. Diaz C.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

The Puerto Rican Family Institute. The Institute's program for new arrivals. pp. 73–9. Gorbea C.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

The New York regional conference: a review of conference proceedings and recommendations. pp. 5–14. Quervalu I.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

The social worker's involvement in the rehabilitation of the spinal cord injured individual. pp. 211–6. Boatwright FW.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Social work as an intervention subsystem. pp. 61–9. Hearn G.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

The client as the focal subsystem. pp. 25–35. Hearn G.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Requirements of a social service unit in the paediatrics department. Misra PD. **Indian J Pediatr** 42(329):158–65, Jun 75

Involvement of nursing, paramedical and social workers in combating protin calorie malnutrition. Keller WD. **Indian Pediatr** 12(1):111–3, Jan 75

Social work in an intensive care unit. Cole C. **Injury** 7(3):244–5, Feb 76

The handicapped (mental and physical) as voluntary social workers: a form of therapy. Morley J. **Int J Soc Psychiatry** 22(1):61–3, Spring 76

Opinion on nursing. Part III. Social work students. Bergman R, et al. **Int Nurs Rev** 23(1):15–24, Jan–Feb 76

Group work with the elderly in a community center. Panel presentation. Perlman B, et al. **J Geriatr Psychiatry** 9(1):89–91, 1976

Involvement of the Iowa Medical Society. **J Iowa Med Soc** 65(9):382, Sep 75

Dental needs and costs for patients from three social agencies. Horton PS, et al. **J Public Health Dent** 36(3):182–7, Summer 76

General practitioners and social help for the handicapped. Firth B. **J R Coll Gen Pract** 25(150):21–6, Jan 75

The health of clients of a social service department. Rickards C, et al. **J R Coll Gen Pract** 26(165):237–43, Apr 76

Letter: Handicapped school leavers. Smith CS. **Lancet** 1(7957):481, 28 Feb 76

General practice and professional coordination. Conway J, et al. **Med J Aust** 1(18):666–9, 1 May 76

The general practice and social work. Report on a trial. Gould SJ. **Med J Aust** 1(18):669–71, 1 May 76

Social work and general practice: a review article. Huntington J. **Med J Aust** 1(18):661–3, 1 May 76

The social worker in general practice. Wilson LL. **Med J Aust** 1(18):664–6, 1 May 76

Israel's community workers in the aftermath of war. Lappin B. **Ment Health Soc** 1(3–4):213–27, 1974

Planning social work services for an Army general hospital. Carmody FJ Jr. **Milit Med** 141(3):172–6, Mar 76

In the front line. Gaffin J. **Nurs Times** 71(50):1969, 11 Dec 75

The place of early social assessment in the management of surgical patients. Bates T, et al. **Postgrad Med J** 52(604):61–5, Feb 76

Authoritarian attitudes and control in a social service organization. Strauss J, et al. **Psychol Rep** 38(3 pt. 1):871–2, Jun 76

Day care for children (a) the social worker's role in day care. Chaplin JB. **R Soc Health J** 95(5):229–32, Oct 75

Health and social services and minority ethnic groups. Coombe V. **R Soc Health J** 96(1):34–8, Feb 76

Voluntary and public co–operation in the care of the elderly. Pidgeon H. **R Soc Health J** 95(2):93–5, 98, Apr 75

Battered wives. A social worker's viewpoint. Wilson E. **R Soc Health J** 95(6):294–7, Dec 75

Social group work as a treatment modality for hospitalized people with rheumatoid arthritis. Henkle C. **Rehabil Lit** 36(11):334–41, 354, Nov 75

Social agencies—organization and function. de Blécourt J, et al. **Scand J Rheumatol [Suppl]** (12 suppl):155, 1975

[Physician's contribution to the procedure of health information for the administration of social welfare law etc., physician's obligation to give information and obligation to report] Mabeck CE. **Ugeskr Laeger** 138(29):1799–800, 12 Jul 76 **(Dan)**

[Results of the medicosocial assistance of persons suffering from chronic obstructive bronchopneumopathy (author's transl)] Jancik EH, et al. **Acta Tuberc Pneumol Belg** 66(3):274–89, May–Jun 75 (Eng. Abstr.) **(Dut)**

[Modalities of therapeutic approach to marginal milieux] Broche JP. **Acta Psychiatr Belg** 75(6):856–64, 1975 (Eng. Abstr.) **(Fre)**

[Social service in the hospital. A special area of social work in the health field] Mehs M. **Fortschr Med** 94(16):281–2, 308, 19 Feb 76 **(Ger)**

[Problem group social service. The future cooperation of the health department with the social services] Maier E. **Oeff Gesundheitswes** 38(1):35–56, Feb 76 **(Ger)**

[Critical evaluation of rheumatism therapy. Social care] Josenhans G. **Ther Ggw** 114(12):2114–26, Dec 75 **(Ger)**

[Possibilities of use of data banks in the health and social care of the German Democratic Republic] Nagel HJ, et al. **Z Aerztl Fortbild (Jena)** 70(10):541–6, 15 May 76 **(Ger)**

[Possibilities for improved care of aged citizens through the creation and formation of youth projects. 'Coordinated Care of Senior Citizens' (care model Zerbst)] Spieler HJ. **ZFA [Dresden]** 31(1):91–7, 1976 **(Ger)**

EDUCATION

Editorial: Training for the social services. **Br Med J** 2(6034):494, 28 Aug 76

Letter: Sociological realities. Martin FM. **Br Med J** 1(6019):1208–9, 15 May 76

Editorial: Toward greater movement for gerontology in social work education. Lowy L, et al. **Gerontologist** 14(6):466–7, Dec 74

The trainee practitioner and the social services department. Harris CM, et al. **J R Coll Gen Pract** 24(146):657–60, Sep 74

METHODS

Medical social work in the 'Centro Nacional de Paraplejicos', Toledo, Spain. Mendoza–Sarmiento J, et al. **Paraplegia** 14(1):71–3, May 76

STANDARDS

Community mental health ideology scale: social work norms. Penn NE, et al. **Community Ment Health J** 12(2):211–14, Summer 76

How effective are social services? Eppley D. **Soc Rehabil Rec** 2(7):10–4, Sep 75

SUPPLY & DISTRIBUTION

The identification of the medical and social needs of the elderly in the community: a pilot survey. Gardiner R. **Age Ageing** 4(3):181–7, Aug 75

SOCIAL SERVICE, PSYCHIATRIC

Aiding 'at risk' children through psychoanalytic social work with parents. Heinicke CM. **Am J Orthopsychiatry** 46(1):89–103, Jan 76

The social worker's interview in chronic urticaria. Levine MI, et al. **Ann Allergy** 35(5):278–80, Nov 75

Teamwork and social worker advocacy: conflicts and possibilities. Connaway RS. **Community Ment Health J** 11(4):381–8, Winter 75

[The puerto rican forum on mental health] pp. 199–213, 231–47. Buono J.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish–Speaking Mental Health Organizations, 1975. WM 30 P96 1974. (Eng, Spa)

Psychiatric consultation and social work at a secondary school for Eskimo, Indian, and Aleut students in Alaska. pp. 517–25. Harvey EB.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1976c.

Helpful behaviors in groups of mental health professionals and undergraduates. Hurley JR. **Int J Group Psychother** 26(2):173–89, Apr 76

Meeting the psychosocial needs of pacemaker patients. Hesse KA. **Int J Psychiatry Med** 6(3):359–72, 1975

To die young, to die old management of terminal illness at age 20 and at age 85: case reports. Death and dying in an 85–year–old woman. Morris LL. **J Geriatr Psychiatry** 8(2):127–35, 1975

Social work and general practice. A report of a three–year attachment. Graham H, et al. **J R Coll Gen Pract** 26(163):95–105, Feb 76

An experiment in community mental health care. Cooper B, et al. **Lancet** 2(7893):1356–8, 7 Dec 74

6. Limitations of the mental health data base. Gruenberg EM. **Med Care** 14(5 Suppl):71–7, May 76

The social worker in a public day school for TMRs. Kaufmann RL. **Ment Retard** 13(5):31–2, Oct 75

Community nursing care study: a social outcast. Hartie M. **Nurs Times** 72(36):1392–4, 9 Sep 76

The community psychiatric nurse and the social worker. Hudson B. **Nurs Times** 72(21):suppl:xviii, xx, xxii, 27 May 76

Sociotherapy and the prevention of relapse among schizophrenic patients: an artifact of drug? Hogarty GE, et al. **Proc Am Psychopathol Assoc** (64):285–93, 1976

Mental health care in the community: an evaluative study. Cooper B, et al. **Psychol Med** 5(4):372–80, Nov 75

Effects of profession, sex and prognostic expectancies on therapists' comments in a psychotherapeutic analogue. Persely G, et al. **Psychol Rep** 37(2):455–9, Oct 75

The mental health team as a differential decision–maker for child patients: a national survey. Weissman HN. **Psychol Rep** 37(2):643–50, Oct 75

[Socio–educational aspects of adolescents with behavioral disorders—during their stay in a diagnostic center for adolescent psychiatry] Rentein BV. **Med Welt** 27(4):146–8, 23 Jan 76 **(Ger)**

[Social workers and psychiatry—possibilities and concepts of co–operation (author's transl)] von Parish H. **Oeff Gesundheitswes** 37(8):477–82, Aug 75 (Eng. Abstr.) **(Ger)**

[Social service in the psychiatric clinic] Ayuso Gutiérrez JL, et al. **Actas Luso Esp Neurol Psiquiatr** 3(5):287–94, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

EDUCATION

Mental retardation content in the curricula of graduate schools of social work. Sterns CR, et al. **Ment Retard** 14(3):17–9, Jun 76

MANPOWER

[Personality structure of social work of students, trained in psychotherapy] Speierer GW. **Psychother Med Psychol (Stuttg)** 25(6):203–11, Nov 75 (Eng. Abstr.) **(Ger)**

SOCIAL VALUES

The threat of new ideas: a values clarification lesson. Olmo B. **Adolescence** 10(39):456–62, Fall 75

Catholic scaled values according to the Allport, Vernon and Lindzey Study of Values in relation to the 1970 national high school norms: grades 10–12. Pearman FC. **Adolescence** 10(40):499–506, Winter 75

Macro-structural influences on child development and the need for childhood social indicators. Brim OG Jr. **Am J Orthopsychiatry** 45(4):516, Jul 75

Genetic screening and human values: an analysis. Gustafson JM. **Birth Defects** 10(6):201–23, 1974

Personality and value orientations in early adolescence. Brown G. **Br J Soc Clin Psychol** 14(2):139–46, Jun 75

Value systems and delinquency: parental and generational discrepancies in value systems for delinquent and non-delinquent boys. Feather NT, et al. **Br J Soc Clin Psychol** 14(2):117–29, Jun 75

Presidential address: Human values in social psychiatry. Masserman JH. **Curr Psychiatr Ther** 15:1–12, 1975

Socioeconomic status, value orientations, and fertility behavior in India. Poston DL Jr. **Demography** 12(3):417–30, Aug 75

Perspectives on the older American in a rural setting. pp. 65–85. Youmans EG.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

Society's values affect care (comments on Virgina Stone's paper). pp. 19–21. Benoliel JQ.
In: Long-term care: some issues for nursing. Kansas City, Mo., American Academy of Nursing, 1976.

The scope of bioethics: individual and social. pp. 5–16. Branson R.
In: Veatch RM, Branson R, ed. Ethics and health policy Cambridge, Mass., Ballinger, 1976. W50 E84 1976

Health care and justice in contract theory perspective. Green RM.
In: Veatch RM, Branson R, ed. Ethics and health policy Cambridge, Mass., Ballinger, 1976. W50 E84 1976

Social justice and equal access to health care. pp. 79–98. Outka G.
In: Veatch RM, Branson R, ed. Ethics and health policy Cambridge, Mass., Ballinger, 1976. W50 E84 1976

New life styles: should they influence our group goals and values? Mintz EE. **Int J Group Psychother** 26(2):225–33, Apr 76

A study of nursing student values. O'Neill MF. **Int J Nurs Stud** 12(3):175–81, 1975

Self-dissatisfaction as a determinant of change in police values. Sherrid SD, et al. **J Appl Psychol** 61(3):273–8, Jun 76

The personal values of alcoholics and addicts. Toler C. **J Clin Psychol** 31(3):554–7, Jul 75

Attitudes of therapists varying in community mental health ideology and democratic values. Del Gaudio AC, et al. **J Consult Clin Psychol** 44(4):646–55, Aug 76

Social attitudes and sexual behaviors of college students. Joe VC, et al. **J Consult Clin Psychol** 43(3):430, Jun 75

Comparison of personal values among freshman and senior dental students and dental faculty. Silberman SL. **J Dent Educ** 40(6):334–9, Jun 76

Attitudinal predictors of devaluation of old age in a multigenerational sample. Collette-Pratt C. **J Gerontol** 31(2):193–7, Mar 76

Sex differences in moral internalization and values. Hoffman ML. **J Pers Soc Psychol** 32(4):720–9, Oct 75

Social class assessments: implied cause, effect, solutions and a need for caution. Sootkoos AC. **J Psychiatr Nurs** 14(6):42–3, Jun 76

Values clarification and the school nurse. Hopp JW. **J Sch Health** 45(7):410–3, Sep 75

Social attitude correlates of sensation-seeking in psychiatric patients. Pearson PR, et al. **Percept Mot Skills** 40(2):482, Apr 75

Science, politics, and society. Greep RO. **Perspect Biol Med** 18(2):211–26, Win 75

Social justice and equal access to health care. Outka G. **Perspect Biol Med** 18(2):185–202, Win 75

Conflicts in values and attitudes between parents of symptomatic and normal children. Gerber GL. **Psychol Rep** 38(1):91–8, Feb 76

Personal values and Eysenck's two basic personality factors. Simmons DD. **Psychol Rep** 38(3 pt. 1):912–4, Jun 76

Personality characteristics, body image and social attitudes of organ transplant donors versus nondonors. Cleveland SE. **Psychosom Med** 37(4):313–9, Jul–Aug 75

Differentials in fertility, family planning practice, and family size values in South Korea, 1965–1971. Stoeckel J. **Stud Fam Plann** 6(11):378–401, Nov 75

SOCIAL WELFARE

Robin Hood is alive and well in Australia. Smiley CW. **Aust Paediatr J** 11(2):63–4, Jun 75

The needs of old people. The 'interval' as a method of measurement. Isaacs B, et al. **Br J Prev Soc Med** 30(2):79–85, Jun 76

Frankly speaking about social and economic welfare. Working with you between jobs? Rowsell G. **Can Nurse** 71(12):34, Dec 75

Two kinds of morality—causalian or taboo. Ryan A. **Hastings Cent Rep** 5(5):5–7, Oct 75

Quality control of community services. pp. 356–81. Boggs E.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Guardianship and limitations upon capacity. pp. 87–91. Elkin ES.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Insurance. pp. 141–70. Follmann JF Jr.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Peonage and involuntary servitude. pp. 563–90. Friedman P.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

The right to community services. pp. 172–213. Gilhool TK.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Guardianship and limitations upon capacity. pp. 62–87. Kindred M.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Institutionalization and rights of mentally retarded citizens. The least restrictive alternative and guardianship. pp. 520–5. Lippman L.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Nonconsensual medical procedures and the right to privacy. pp. 93–114. Price ME, et al.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

Dual care of the elderly. Orriss HD. **Nurs Times** 72(21):820–1, 27 May 76

Family size: its influence on family's health, economic status and social welfare. Lesinski J. **Obstet Gynecol Surv** 31(5):421–52, May 76 (213 ref.)

Health education for Job Corps enrollees. Fielding JE, et al. **Public Health Rep** 91(3):243–8, May–Jun 76

Clients sound off. Chapman B. **Soc Rehabil Rec** 2(7):8–9, Sep 75

[Physician's contribution to the procedure of health information for the administration of social welfare law etc., physician's obligation to give information and obligation to report] Mabeck CE. **Ugeskr Laeger** 138(29):1799–800, 12 Jul 76 **(Dan)**

[New statements for physicians after the social welfare law has been declared and decentralization of the disability insurance legislation] Schmidt EE. **Ugeskr Laeger** 138(29):1801–2, 12 Jul 76 **(Dan)**

[Significance of forensic medicine autopsies for public welfare] Naeve W. **Monatsschr Unfallheilkd** 78(10):469–79, Oct 75 (Eng. Abstr.) **(Ger)**

[Work ability of the receiver of social welfare] Möllhoff G. **Z Allgemeinmed** 51(2):64–8, 20 Jan 75 **(Ger)**

[Abortion-seeking women's views on the importance of social benefits as an alternative to induced abortion] Ganes T, et al. **Tidsskr Nor Laegeforen** 96(13):768–70, 10 May 76 (Eng. Abstr.) **(Nor)**

HISTORY

Alice Hamilton, M.D., and women's welfare. Corn JK. **N Engl J Med** 294(6):316–8, 5 Feb 76

SOCIALISM

Women's emancipation and socialism: the case of the People's Republic of Poland. Sokolowska M. **Int J Health Serv** 6(1):35–51, 1976

[The socialist management science in medical and pharmaceutical services—drug market research series. 7. Price research as a constituent of socialist demand and market research for medicine in a foreign country] Onken D, et al. **Pharmazie** 30(5):97–8, May 75 **(Ger)**

[Negative psychoanalysis and Marxism. Reflections on an objective theory of subjectivity] Jacoby R. **Psyche (Stuttg)** 29(11):961–90, Nov 75 (Eng. Abstr.) **(Ger)**

[Bases of geropsychohygiene in socialism] Eitner A. **Z Gesamte Hyg** 20(4):246–50, Apr 74 (Eng. Abstr.) **(Ger)**

[The joint responsibility of general practitioners and hygienists in shaping socialist living conditions—introductory paper to theme complex 3] Grahneis H. **Z Gesamte Hyg** 22(2):101–4, Feb 76 (Eng. Abstr.) **(Ger)**

[Women's status in the socialist society of the DDR] Speigner W. **Z Gesamte Hyg** 21(11):802–9, 1975 (Eng. Abstr.) **(Ger)**

[The physician and ethics in the socialist society] Luther E. **Z Urol Nephrol** 67(10):721–5, Oct 74 **(Ger)**

[Competition: the new stage] Mikheev Iu. **Veterinariia** (9):16–22, Sep 75 **(Rus)**

[Socialist obligations have been fulfilled] Vartanov SA, et al. **Voen Med Zh** (5):7–9, 1976 **(Rus)**

[Winners in socialist competition] **Farm Zh** 30(3):3–5, 1975 **(Ukr)**

[Results of the socialist competition between pharmacy administration collectives in the Ukrainian SSR in the 3d quarter of 1974] **Farm Zh** (1):27–8, Jan–Feb 75 **(Ukr)**

[Experience in organizing socialist competition] Abramenko IuA, et al. **Farm Zh** (2):8–11, Mar–Apr 76 **(Ukr)**

[Poltava pharmacy No. 2 collective, the competition winner in the decisive year of the 5-year plan] Balakin OK, et al. **Farm Zh** (1):28–30, Jan–Feb 75 **(Ukr)**

[Organization of socialist competition in the pharmacy establishments of Chernobyl District] Skachenko VI, et al. **Farm Zh** (2):13–6, Mar–Apr 76 **(Ukr)**

[Socialist competition of pharmacy collectives, a reserve for increasing the effectiveness and quality of providing drugs to the population] Tkachuk VA. **Farm Zh** (2):6–8, Mar–Apr 76 **(Ukr)**

[Let us increase the role of socialist competition in improving the quality of providing drugs to the Ukrainian population] Visochanskaia GP. **Farm Zh** (2):3–6, Mar–Apr 76 **(Ukr)**

HISTORY

N. A. Semashko's theoretical legacy. Lekarev LG. **Sante Publique (Bucur)** 18(1):3–17, 1975

[The first Russian Revolution, 1905–1907, and participation of medical workers in it] Chikin SIa. **Sov Med** (12):118–25, Dec 75 **(Rus)**

SOCIALIZATION

see related
CHILD REARING
PARENT-CHILD RELATIONS
PERSONALITY DEVELOPMENT

Adolescent orientations toward parents and peers: variations by sex, age, and socioeconomic status. Curtis RL Jr. **Adolescence** 10(40):483–94, Winter 75

Rap sessions for nurse practitioner students. Linn LS, et al. **Am J Nurs** 76(5):782–4, May 76

Concomitants of social acceptance: exploratory research and implications for treatment. Brown JH, et al. **Am J Orthopsychiatry** 46(3):470–6, Jul 76

Psychodynamics of the young handicapped person. Blumberg ML. **Am J Psychother** 29(4):466–76, Oct 75

The application of classroom meetings to special education. Zeeman P, et al. **Except Child** 42(8):461–2, May 76

The socialization process of women: implications for a theory of successful aging. Kline C. **Gerontologist** 15(6):486–92, Dec 75

Impact of socialization therapy in a geriatric day-care setting. Rathbone-McCuan E, et al. **Gerontologist** 15(4):338–42, Aug 75

Letter: Staff as inmates. Warner HE 2d. **Hastings Cent Rep** 6(2):4, Apr 76

Organizational and sociological factors affecting attrition in collegiate schools of nursing. Hegarty WH. **Int J Nurs Stud** 12(4):217–22, 1975

Demonstration of the socializing effect upon methadone maintenance patients in a move from hospital setting to a brownstone (private dwelling). A contribution to the psychodynamics of the setting and relationships to the Methadone Maintenance treatment program. Bralove R, et al. **Int Pharmacopsychiatry** 7(1–4):41–3, 1972

Inconsistent socialization in pharmacy—a pattern in need of change. Manasse HR Jr, et al. **J Am Pharm Assoc** 15(11):616–21, 658, Nov 75

Extraversion: sociability and impulsivity? Plomin R. **J Pers Assess** 40(1):24–30, Feb 76

Remotivation: involvement without labels. Scheideman J. **J Psychiatr Nurs** 14(7):41–2, Jul 76

The special child. Wiggin S. **J Rehabil** 42(3):32–3, May–Jun 76

A socialization program for mentally retarded young adults. Boruchow AW, et al. **Ment Retard** 14(1):40–2, Feb 76

Autonomous circadian rhythms in man. Singly versus collectively isolated subjects. Wever R. **Naturwissenschaften** 62(9):443–4, Sep 75

Socializing hospitalized patients into the psychiatric sick role. Hall BA. **Perspect Psychiatr Care** 13(3):123–9, Jul–Sep 75

Sources of self-esteem and the person X situation controversy. Wilson JP, et al. **Psychol Rep** 38(2):355–8, Apr 76

Socialization effects of participation in sport: a critical review of the research. Stevenson CL. **Res Q Am Assoc Health Phys Educ** 46(3):387–301, Oct 75 (54 ref.)

Institutional socialization and college sport. Stevenson CL. **Res Q Am Assoc Health Phys Educ** 47(1):1–8, Mar 76

From 'boy' to 'colleague': processes of role transformation in professional socialization. Shuval JT. **Soc Sci Med** 9(8–9):413–20, Aug–Sep 75

Self-destructive consequences of sex-role socialization. Clifton AK, et al. **Suicide** 6(1):11–22, Spring 76

[Psychiatric disorders from the viewpoint of socialization] Tringer L. **Ann Med Psychol (Paris)** 2(1):141–52, Jun 75 **(Fre)**

[Symbiosis and separation. The phenomenology of human relationships] Lüders W. **Psyche (Stuttg)** 29(12):1057–77,

Dec 75 (Eng. Abstr.) **(Ger)**
[Psychoanalysis and group dynamics as a method of socialization] Caruso IA, et al.
Z Klin Psychol Psychother 24(1):49–55, 1976 (Eng. Abstr.) **(Ger)**

SOCIALIZED DENTISTRY see **STATE DENTISTRY**

SOCIALIZED MEDICINE see **STATE MEDICINE**

SOCIETIES

see related
LIBRARY ASSOCIATIONS

Roster of members of the Convention of American Instructors of the Deaf 1975. **Am Ann Deaf** 120(4):427–51, Aug 75
Report of the Ad Hoc Committee to define deaf and hard of hearing. **Am Ann Deaf** 120(5):509–12, Oct 75
Role of the American Conference of Governmental Industrial Hygienists and the American Industrial Hygiene Association in OSHA affairs. Corn M.
Am Ind Hyg Assoc J 37(7):391–4, Jul 76
Our public image... Cudworth AL. **Am Ind Hyg Assoc J** 36(10):A–4, Oct 75
Nationally speaking change: unplanned and planned. Clark DD. **Am J Occup Ther** 30(1):7–8, Jan 76
Letter: Become involved, become informed. Griffith D.
Am J Occup Ther 29(9):575, Oct 75
Delegate assembly address: No more waiting. Johnson JA.
Am J Occup Ther 29(9):519–32, Oct 75
Commitment to action. Johnson JA. **Am J Occup Ther** 30(3):135–48, Mar 76
Letter: Supports AOTA fees. McElreath MJ.
Am J Occup Ther 29(9):574–5, Oct 75
Personality patterns of academy fellows and high-income optometrists. Kegel-Flom P. **Am J Optom Physiol Opt** 53(5):270–3, May 76
Radiologic Societies. **Am J Roentgenol** 127(3):549–52, Sep 76
NRA's future direction. Gehrke AW. **Am Rehabil** 1(1):22–3, Sep–Oct 75
Position statement of the American Speech and Hearing Association on learning disabilities. **ASHA** 18(5):282–90, May 76
Presidential report: ASHA: beginning the next fifty years. Boone DR. **ASHA** 18(2):64–5, Feb 76
Characteristics of ASHA members employed full time during 1973. Curlee RF. **ASHA** 18(2):68–76, Feb 76
Audiology, the Association, and occupational hearing conservation. Yantis PA. **ASHA** 17(12):835–6, Dec 75
The objectives of the association: a fiftieth-year persepctive. Presidential address—1975 annual meeting. Yantis PA.
ASHA 18(1):3–7, Jan 76
Advancing with the Australian Veterinary Association. Hyne RH. **Aust Vet J** 51(12):574–5, Dec 75
Canadian Hospital Association seeks analysis of health care cost escalation. Garner J. **Can Med Assoc J** 115(2):171, 173, 17 Jul 76
Presidential address: Three challenges. Smith CM.
Can Psychiatr Assoc J 20(7):501–12, Nov 75
Hospital policy: professional associations as unions. Emanuel WJ. **Hosp Prog** 57(1):51–5, Jan 76
AHA president reviews three years in office. Appelbaum AL. **Hospitals** 49(22):55–7, 16 Nov 75
John Stagl, chairman-elect of the AHA Board of Trustees. Appelbaum AL, et al. **Hospitals** 50(2):51–3, 16 Jan 76
AHA research capsules–no. 18. Hospital Service Charges, 1975. Begole C. **Hospitals** 49(15):106–7, 1 Aug 75
The chairman's inaugural address. Cathcart HR. **Hospitals** 50(6):77–8, 80–1, 84–5 passim, 16 Mar 76
The AHA president's report. McMahon JA. **Hospitals** 50(6):88–9, 92–4, 98–100, 16 Mar 76
Rural health program priorities. Portnoy S, et al.
Hospitals 50(6):68–71, 16 Mar 76
Associations are source of planning assistance. Whiting RN, et al. **Hospitals** 50(12):68–71, 16 Jun 76
The Vocational Evaluation and Work Adjustment Association. pp. 129–32. Couch RH.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.
The Vocational Evaluation and Work Adjustment Association, present and future. pp. 133–40. Gaines T.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.
Letter: The need to expand. Krohn EF. **Int J Epidemiol** 4(3):242, Sep 75
The A.D.A. registration examination. Development and operation. Henry S. **J Am Diet Assoc** 67(6):541–4, Dec 75
President's message. Inaugural address. Graham JR.
J Am Podiatry Assoc 65(9):845–7, Sep 75
President's message. Residency genesis: the important role of APSA. Graham JR. **J Am Podiatry Assoc** 65(11):1041–2, Nov 75
President's message. Graham JR. **J Am Podiatry Assoc** 65(10):951–2, Oct 75
American Podiatry Association participation in the PSRO program. Greenberg L. **J Am Podiatry Assoc** 65(12):1123–8, Dec 75
President's message. But for you. Kanat IO.
J Am Podiatry Assoc 65(8):719–21, Aug 75
What does 'adequate veterinary care' mean to the American College of Laboratory Animal Medicine? Melby EC Jr.
J Am Vet Med Assoc 168(6):508–9, 15 Mar 76
Adequate veterinary care as viewed by the American Association for Accreditation of Laboratory Animal Care. Pakes SP. **J Am Vet Med Assoc** 168(6):519–21, 15 Mar 76
Editorial: AVMA and the foreign graduate. West RL.
J Am Vet Med Assoc 167(10):920–2, 15 Nov 75
CDA Task Force on Continuing Education.
J Can Dent Assoc 42(2):81–4, 93, Feb 76
The association of academic health centers. Morris AL.
J Dent Educ 40(8):525–7, Aug 76
The Forensic Science Society Education Committee report 1973–74. Whitehead PH. **J Forensic Sci Soc** 15(4):265–7, Oct 75
Editorial: A position on malpractice? Mills DH.
J Leg Med 4(4):7, Apr 76
NRA's spirit of '76. Gehrke AW. **J Rehabil** 42(1):2, Jan–Feb 76
'Works' of the National Rehabilitation Association. Roupe DS. **J Rehabil** 41(6):2, Nov–Dec 75
Opening address by his Honour J.P. van der Spuy, Minister of National Education, of the Congress of the South African Veterinary Association, Durban, 8 September 1975. van der Spuy JP. **J S Afr Vet Assoc** 47(1):5–6, Mar 76 **(Eng, Afr)**
The president's report. Harlin VK. **J Sch Health** 46(1):13–8, Jan 76
Editorial: The BSAVA comes of age.
J Small Anim Pract 16(6):363–4, Jun 75
Biological Photographic Association: certification programme. Lund RE. **Med Biol Illus** 26(1):23–6, Feb 76
A counter-culture for hospitals. Isaacman T.
Mod Health Care 4(5):16g–16k, Nov 75
Letter: Do you need another 'Washington office'? Anlyan WG. **N Engl J Med** 295(11):627, 9 Sep 76
Official directory of national and international organizations and agencies. **Nurs Outlook** 24(3):181–4, 1 Mar 76
Letter: Chiropractic and manipulative medicine. McKenzie DM. **NZ Med J** 82(552):355–6, 26 Nov 75
Presidential address: change. Steel RG. **NZ Vet J** 22(11):205–9, Nov 74
American physical therapy association. **Phys Ther** 55(10):1110–1, Oct 75
On becoming a confederation. Michels E. **Phys Ther** 55(10):1085–91, Oct 75
World Confederation for Physical Therapy. Watts NT.
Phys Ther 55(12):1349–50, Dec 75
Association of Chatered Physiotherapists in Industry. Hayne CR. **Physiotherapy** 61(5):139–40, May 75
American Society for Artificial Internal Organs. Membership list–1976. **Trans Am Soc Artif Intern Organs** 22:745–72, 1976
Symposium on money management. The association. Mahan HD. **Vet Clin North Am** 6(1):149–55, Feb 76
Editorial: What's it worth to you? **Vet Rec** 97(6):101–2, 9 Aug 75
Correspondence: BVA membership subscriptions. **Vet Rec** 97(8):155, 23 Aug 75
[Problems of animal protection. Possibilities to solve them internationally] Weichert HJ. **Tieraerztl Prax** 2(3):351–4, 1974 **(Ger)**

HISTORY

The National Rehabilitation Association: fifty years of progress. Whitten EB. **Am Rehabil** 1(1):20–2, Sep–Oct 75
ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(8):499, Aug 75
ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(11):795, Nov 75
ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(10):727–8, Oct 75
ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(9):571–2, Sep 75
ASHA in retrospect—fiftieth anniversary reflections. Paden EP. **ASHA** 17(12):831, Dec 75
ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(7):439, Jul 75
The influence of the veterinary department of the Highland and Agricultural Society of Scotland on the early practice of veterinary science in Australia. **Aust Vet J** 51(2):100, Feb 75
Historical reflections on the sesquicentennial of the founding of the Boston Prison Discipline Society (1825–1854). Quen JM. **Bull Am Acad Psychiatry Law** 3(3):132–3, 1975
A brief history of the AVMA. Freeman A.
J Am Vet Med Assoc 169(1):120–6, 1 Jul 76
Presidents of the American Physical Therapy Association. 1921–1976. **Phys Ther** 56(1):63–6, Jan 76
Editors of the Journal. 1921–1976. **Phys Ther** 56(1):67, Jan 76
The beginning of the Association (American Physiotherapy Association). **Phys Ther** 56(1):50–2, Jan 76
[The Association of the Belgian Medical Press is 50 years old] Konings L. **Acta Stomatol Belg** 71(4):339–43, 1974 **(Fre)**
[History of development of scientific students' societies at the medical schools and the role of Prof. A.A. Kisel' in their organization] Savvatimskaia NP. **Pediatriia** (7):71–2, Jul 75 **(Rus)**

SOCIETIES, DENTAL

AAO Foundation urges support from Association members.
Am J Orthod 68(6):671–2, Dec 75
AAO adopts policy statement on dental care programs.
Am J Orthod 70(1):94–5, Jul 76
American Board of Orthodontics defines current standards and requirements. **Am J Orthod** 70(3):325–7, Sep 76
President's page: AAO studies combined orthodontic–pedodontic programs. Aldrich JE.
Am J Orthod 69(2):194–5, Feb 76
Editorial: Constituent Society presidents report on current orthodontic issues. Part I. Dewel BF. **Am J Orthod** 69(2):218–20, Feb 76
Constituent Society presidents report on current orthodontic issues. Part II. Dewel BF. **Am J Orthod** 69(3):340–4, Mar 76
Membership participation in AAO reference committee hearing. Dewel BF. **Am J Orthod** 69(4):468, Apr 76
Association policies reaffirmed at seventy-sixth annual session. Dewel BF. **Am J Orthod** 70(1):97–101, Jul 76
Editorial: Major accomplishments: the AAO library, museum, and archives. Dewel BF. **Am J Orthod** 70(2):215–6, Aug 76
Letter to the editor: On essayists and organizations. Muchnic HV. **Am J Orthod** 70(1):102, Jul 76
American Association of Orthodontics. The future of the Long Range Study Committee. Turpin DL.
Am J Orthod 69(3):336–7, Mar 76
President's address. Robinson R Jr. **Ann Dent** 35(1):3–4, Spring 76
Letter: Recommended by the British Dental Association.
Br Dent J 139(7):261, 7 Oct 75
The British Dental Association. **Br Dent J** 139(5):215–8, 2 Sep 75
Letter: Recommended by the British Dental Association.
Br Dent J 139(9):345–6, 4 Nov 75
European Regional Organisation. **Br Dent J** 139(10):381–2, 18 Nov 75
Association for Dental Education in Europe. **Br Dent J** 140(3):115–6, 3 Feb 76
Editorial: The B.D.A. annual conference. **Br Dent J** 140(6):193, 16 Mar 76
Editorial: A new board. **Br Dent J** 140(4):121–2, 17 Feb 76
Report of the Representative Board to the annual general meeting of members, 1976. **Br Dent J** 140(8):271–80, 20 Apr 76
The president's New Year message. Hunt RG. **Br Dent J** 140(1):1, 6 Jan 76
Letter: Recommended by the British Dental Association. Shepherd PR. **Br Dent J** 139(8):305–6, 21 Oct 75
Responsibilities of professional societies. Bernstein AH.
Hospitals 50(3):135–7, 1 Feb 76
President's message. Why the Federation of Orthodontic Associations? Taynor IK. **Int J Orthod** 13(3):3–4, Sep 75
President's message. A look back, a look forward. Taynor IK. **Int J Orthod** 14(2):3–4, Jun 76
The journalism policies of the American College of Dentists. Since the report of the Commission on Journalism. Kaplan RI. **J Am Coll Dent** 42(4):197–204, Oct 75
The journalism policies of the American College of Dentists. We should either abide by our policies or change them. Mosteller JH. **J Am Coll Dent** 42(4):205–10, Oct 75
The journalism policies of the American College of Dentists. The report of the Commission on Journalism. Reynolds RJ. **J Am Coll Dent** 42(4):193–6, Oct 75
President's inaugural address. Vernetti JP.
J Am Coll Dent 43(1):10–4, Jan 76
Letter: Another view from ADAA. Burt P.
J Am Dent Assoc 93(2):226, Aug 76
Letter: Ada-agd unity. Fields RE. **J Am Dent Assoc** 92(1):23–4, Jan 76
Letter: AAWD and inequality. Stone ME.
J Am Dent Assoc 93(2):222, Aug 76
ACFD supports concept of consumer involvement in accreditation process. **J Can Dent Assoc** 41(10):557–8, Oct 75
Editorial: New Year's message from the president. Mussells HL. **J Can Dent Assoc** 42(1):8, Jan 76
From the president-elect. Tabak JD. **J Dent Child** 42(4):252, 258, Jul–Aug 75
From the president. Tabak JD. **J Dent Child** 42(6):420–423, Nov–Dec 75
Editorial: The cash register phenomenon. Hillenbrand H.
J Dent Educ 39(11):712, Nov 75
Letter: Comments on AADS consultation service. Ingle JI.
J Dent Educ 40(8):524, Aug 76
Editorial: From SCARF to COAS to organizational stability? Johansen E. **J Dent Educ** 40(6):330, Jun 76
Presidential address. Terkla LG. **J Dent Educ** 40(7):452–6, Jul 76
President-elect's message: through the looking glass. Scott DB. **J Dent Res** 54 Spec no C:C6–8, Oct 75
Prevention and control of dental disease in Jamaica. Henry JL. **J Natl Med Assoc** 67(4):294–7, Jul 75
Editorial: A time for discussion and a time for unity. Laskin DM. **J Oral Surg** 33(11):829, Nov 75
Letter: Clinicians for state and regional Society meetings. Murnane TW. **J Oral Surg** 34(5):391, May 76
Letter: A divided house? Schmitt CK. **J Oral Surg** 34(5):391, May 76
Constitution and Bylaws of the American Academy of Periodontology. October 1975. **J Periodontol** 47(2):105–14, Feb 76
Presidential address. Stallard RE. **J Periodontol** 47(1):50–2, Jan 76
A comparison of relationships of dental specialty boards with their parent organizations. Elliott RW Jr.

J Prosthet Dent 35(3):341–7, Mar 76
In the Society. Seldin LW. **NY J Dent** 46(4):134–5, Apr 76
Incoming president's address. The past and the future. Sorrel JM. **NY J Dent** 46(2):43–6, Feb 76
Malpractice problems face council. A report. Jerrold TL. **NY State Dent J** 41(10):593, Dec 75
Emergency dental care for the community: the responsibility of the dental society. Lentchner EW. **NY State Dent J** 42(4):213–7, Apr 76
A final presidential report. Posteraro AF. **NY State Dent J** 42(5):274–6, May 76
The first DSSNY peer review workshop. A report. Tanz NP. **NY State Dent J** 42(4):211–2, Apr 76
Editorial: Changes in the journal. **NZ Dent J** 71(323):6–8, Jan 75
An armigerous New Zealand Dental Association. Beck DJ. **NZ Dent J** 71(323):9–15, Jan 75
[Opening address for the 4th Belgian Congress of Dentistry] Van de Putte P. **Rev Belge Med Dent** 30(4):305–20, 1975 **(Dut, Fre)**
[Dentists of Manitoba oppose new legislation on dental care] **J Can Dent Assoc** 41(9):493, Sep 75 **(Fre)**
[Société Française d'Orthopédie Dento–Faciale] **Orthod Fr** 44(1):V–X, 1973 **(Fre)**
[The French Society of Dentofacial Orthopedics] **Orthod Fr** 45(1):V–XIII, 1974 **(Fre)**
[The French Society of Dentofacial Orthopedics] **Orthod Fr** 46:V–XIII, 1975 **(Fre)**
[25 years of the German Society for Prosthodontics and Technology] van Thiel VH. **Dtsch Zahnaerztl Z** 31(9):675–9, Sep 76 **(Ger)**
[The colleagues expect an unequivocal policy] Huber E. **Zahnaerztl Mitt** 65(11):523–7, 1 Jun 75 **(Ger)**
[Promoting the next generation of university teachers—a most significant activity of the German Dental Association] Matheis K, et al. **Zahnaerztl Mitt** 66(17):839–40, 1 Sep 79 **(Ger)**
[Editorial: Something to enjoy] **Nor Tannlaegeforen Tid** 86(6):247, Jun 76 **(Nor)**

HISTORY

The AAO constituent societies and the diamond anniversary. Dewel BF. **Am J Orthod** 68(3):339–40, Sep 75
Editorial: Orthodontics' early accomplishments in establishing merit awards. Dewel BF. **Am J Orthod** 68(4):451–4, Oct 75
Editorial: The Association and the young men of 1899 and 1975. Dewel BF. **Am J Orthod** 68(5):577–9, Nov 75
The Journal and the Associations diamond anniversary. Dewel BF. **Am J Orthod** 68(6):673–5, Dec 75
Obituary: John M. Newton, O.B.E. **Aust Dent J** 20(4):260–1, Aug 75
The British Dental Association. **Br Dent J** 139(5):215–8, 2 Sep 75
The Fédération Dentaire Internationale, 1900–1975. Freihofer HH. **Int Dent J** 25(3):157–65, Sep 75
The dental society of the state of New York—past presidents. **NY State Dent J** 42(2 pt 2):40–1, Feb 76
The origins of the dental profession in New Zealand. Part 4. Stockwell RF. **NZ Dent J** 72(328):84–8, Apr 76
[30–years of the Czechoslovak Stomatological Society] Urban F. **Cesk Stomatol** 75(5):313–21, Sep 75 **(Cze)**
[Address from the president of the Belgian Society of Anesthesia and Resuscitation] De Temmerman P. **Acta Anaesthesiol Belg** 26(1):III–VI, Apr 75 **(Fre)**

SOCIETIES, MEDICAL

Surgical training in the United Kingdom with special reference to the role of the Royal Surgical Colleges. Mac Laren IF. **Acta Chir Belg** 74(6):557–67, Nov 75
Growth and development of the International Federation of Gynecology and Obstetrics 1954/1975. de Watteville H. **Acta Obstet Gynecol Scand [Suppl]** (51):71–9, 1976
PACP regional quality control program: a general survey. Dharan M. **Am J Med Technol** 41(7):249–55, Jul 75
Roster of American obstetrical and gynecological societies. **Am J Obstet Gynecol** 124(1):108–11, 1 Jan 76
The presidential address—a rebuttal and a defense. Ingram JM. **Am J Obstet Gynecol** 123(1):1–5, 1 Sep 75
American Occupational Therapy Association, Inc.: Delegate Assembly address. April 9, 1976. Johnson JA. **Am J Occup Ther** 30(7):444–9, Aug 76
Harold M. Visotsky, M.D. President American Orthopsychiatric Association. Bazelon DL. **Am J Orthopsychiatry** 46(2):196–9, Apr 76
Presentation of the first Rous–Whipple award to Jacob Furth. Farber E. **Am J Pathol** 81(2):263–6, Nov 75
Presentation of the Gold Headed Cane to Wiley D. Forbus. Stoddard LD, et al. **Am J Pathol** 81(2):259–62, Nov 75
Convocation address—1976. New Delhi, India. Cantor AJ. **Am J Proctol** 27(2):16, 19–20, Apr 76
President's page. Yasuna AD. **Am J Proctol** 26(4):13, Aug 75
Presidential address: Psychiatry 1976—the Continuing Revolution. Marmor J. **Am J Psychiatry** 133(7):739–47, Jul 76
Letter: A question of fellowship. Norstrand IF. **Am J Psychiatry** 132(11):1220–1, Nov 75
Radiologic Societies. **Am J Roentgenol** 127(1):219–22, Jul 76
Regional medical societies. Academia and the American Medical Association. Byrne JJ. **Am J Surg** 131(4):395–9, Apr 76
Presidential address and first annual Edgar Poth lecture. What's good about medicine. A look at the record. Mertz GH. **Am J Surg** 130(6):629–33, Dec 75
Editorial: The academic pediatric pulmonary division. **Am Rev Respir Dis** 114(1):1–4, Jul 76
American Association of Anatomists. Members. **Anat Rec** 183(1):151–221, Sep 75
The Americian College of Allergists. **Ann Allergy** 37(1):A43–6, A61, A65, Jul 76
Letter: The Committee to Save the College speaks out. Speer F. **Ann Allergy** 36(4):280–1, Apr 76
Six years of the International Union of Immunological Societies. Presidential report, Brighton 1974. Cinader B. **Ann Immunol (Paris)** 126(2):239–44, Feb–Mar 75
The president. American College of Physicians. Jack D. Myers, M.D., F.A.C.P. **Ann Intern Med** 84(6):741, Jun 76
Philadelphia: Bicentennial city. Rogers FB. **Ann Intern Med** 84(2):164–71, Feb 76
Presidential address: United we stand. Muller WH Jr. **Ann Surg** 182(3):177–82, Sep 75
The Society of Thoracic Surgeons, 1976–1977: officers; members. **Ann Thorac Surg** 21(3):261–80, Mar 76
The time in which we dwell. Callow AD. **Arch Surg** 110(11):1273–9, Nov 75
Introducing A.M.S.A. Reed K. **Ariz Med** 33(1):51, Jan 76
American Rheumatism Association. Presidential address. Whither or wither. Shulman LE. **Arthritis Rheum** 19(1):29–37, Jan–Feb 76
Editorial: 1960 BES 1975. Copeland K. **Biomed Eng** 10(8):295–6, Aug 75
Linford Rees. A personal profile. **Br J Psychiatry** 128:1, Jan 76
Editorial: Royal College of Physicians and fluoridation. **Br Med J** 1(6001):57–8, 10 Jan 76
Letter: Hazards of smallpox vaccination. **Br Med J** 2(6034):530–1, 28 Aug 76
The president's message. As I see it—forensic psychiatry in balance. Pollack SL. **Bull Am Acad Psychiatry Law** 2(4):v–vii, Dec 74
The Commission on Judicial Action of the American Psychiatric Association: origins and prospects—a personal view. Stone AA. **Bull Am Acad Psychiatry Law** 3(3):119–22, 1975
Officers and council of the Ophthalmological Society of Egypt at the annual meeting March 1973. **Bull Ophthalmol Soc Egypt** 67:V–XXIII, 1974
Editorial: The coming months. Watkinson E. **Can J Public Health** 66(4):273–5, Jul–Aug 75 **(Eng, Fre)**
International society for the history of medicine holds first meeting outside europe in quebec city. **Can Med Assoc J** 115(6):567–71, 582, 18 Sep 76
Who's who: a directory of the Canadian Medical Association. **Can Med Assoc J** 115(6):550–6, 18 Sep 76
Editorial: CMA archives. Andison AW. **Can Med Assoc J** 113(7):602, 4 Oct 75
Editorial: Journal perspectives. II. The medical news section. Garner J. **Can Med Assoc J** 114(6):490–2, 20 Mar 76
Council on Medical Services learns drug control full of holes. Garner 4J. **Can Med Assoc J** 114(2):147–8, 24 Jan 76
OMA approves relative value fee schedule with 48% net increase. Geekie DA. **Can Med Assoc J** 114(1):58–9, 10 Jan 76
Letter: CMA archives. Kelly AD. **Can Med Assoc J** 114(2):113, 24 Jan 76
Editorial: Canadian College of Medical Geneticists. Miller JR. **Can Med Assoc J** 113(5):358, 6 Sep 75
Letter: Geriatric medicine. Rosenberg G. **Can Med Assoc J** 115(6):497, 18 Sep 76
Journal perspectives. I. The scientific section. Shephard DA. **Can Med Assoc J** 114(6):489–90, 20 Mar 76
CPHA annual meeting: ambitious program despite transport troubles. Woods D. **Can Med Assoc J** 115(2):176–8, 17 Jul 76
Report of the committee on clinical immunology of the international union of immunological societies (IUIS). Natvig JB. **Cell Immunol** 23(1):180–8, Apr 76
Standards for training in endoscopy. Statement of the Committee on Bronchoesophagology, American College of Chest Physicians. **Chest** 69(5):665–6, May 76
Report of the committee on clinical immunology of the International Union of Immunological Societies (IUIS). Natvig JB. **Clin Immunol Immunopathol** 5(3):430–8, May 76
Are organizational changes needed in the structure of neurosurgery? Amyes EW. **Clin Neurosurg** 22:524, 1975
Report of the status of state and regional neurosurgical societies. Wrenn FR. **Clin Neurosurg** 22:509–12, 1975
The American Association of Poison Control Centers. **Clin Toxicol** 9(2):295–324, 1976
United States of America before Federal Trade Commission. **Conn Med** 40(2):101–2, Feb 76
Histopathological coding: a model developed by a comission under the Danish Society of Pathological Anatomy. Henriques UV. **Dan Med Bull** 22(7):292–6, Dec 75
What the gastroenterologist does all day. A survey of a state society's practice. Switz DM. **Gastroenterology** 70(6):1048–50, Jun 76
The Society for Gynecologic Investigation: membership roster 1976. **Gynecol Invest** 7(1–2):108–19, 1976
Responsibilities of professional societies. Bernstein AH. **Hospitals** 50(3):135–7, 1 Feb 76
Things I wish I knew. Ingalls JM. **Ill Med J** 148(2):159, Aug 75
Mandatory CME — ISMS is ready! Ingalls JM. **Ill Med J** 149(1):22, 24, Jan 76
The role of medical associations and medical education institutions in population change. Introduction. pp. 201–2. Boohene AG.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.
The role of medical associations in the formulation and implementation of national population policies and programs. pp. 222–9. Mundo FD.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.
The Singapore Cancer Society's role in cancer control. pp. 299–301. Kheng FY.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.
The role of the College of American Pathologists in quality control in the clinical laboratory. pp. 281–4. Horn RC Jr.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.
The role of the UICC in education of the public about cancer. pp. 5–6. Taylor RM.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.
Pacific Dermatologic Association. Epstein E. **Int J Dermatol** 15(6):456–8, Jul–Aug 76
Letter: International Society for the Study of Vulvar Disease. Friedrich EG Jr. **Int J Dermatol** 14(10):774, Dec 75
Letter: International Society of Pediatric Dermatology. Solomon LM. **Int J Dermatol** 15(1):67, Jan–Feb 76
Presidential address: Service to patients—the ultimate priority. Glatzer HT. **Int J Group Psychother** 26(3):267–80, Jul 76
International Leprosy Association. Members of the association. **Int J Lepr** 43(4):413–25, Oct–Dec 75
Walter Joffe (1922–1974). Lebovici S, et al. **Int J Psychoanal** 56(4):477–81, 1975
Presidential address. 29th International Psychoanalytical Congress of the Psycho–analytical Association, London, July 1975. Lebovici S. **Int J Psychoanal** 57(1–2):3–4, 1976
The Awards Program of the Association for Research in Vision and Ophthalmology. Spector A. **Invest Ophthalmol** 14(10):715–9, Oct 75
The Medical Research Council of Ireland. O'Donovan DK. **Ir Med J** 69(11):266–8, 26 Jun 76
Editorial: Joint council of socio–economics of allergy. Becker RJ. **J Allergy Clin Immunol** 56(5):329–30, Nov 75
Presidential address. The advance of science and the professional society. Norman PS. **J Allergy Clin Immunol** 57(6):513–7, Jun 76
The Pan American Medical Women's Alliance (Alianza Panamerica de Medicas) xiv Congress: a report. Jeffress EJ. **J Am Med Wom Assoc** 31(6):227–9, Jun 76
The American Psychoanalytic Association: its Janus posture. Moore BE. **J Am Psychoanal Assoc** 24(2):257–83, 1976
Presidential address: So little time; so much to do. Donaldson WF. **J Bone Joint Surg [Am]** 57(7):1018–21, Oct 75
Vice–presidential address. Henderson ED. **J Bone Joint Surg [Am]** 58(3):432–4, Apr 76
British Orthopaedic Association. Presidential address. **J Bone Joint Surg [Br]** 58(1):127–30, Feb 76
The health of clinical investigation beyond Atlantic City. Presidential address before the 68th annual meeting of the American Society for Clinical Investigation, Atlantic City, New Jersey, 3 May 1976. Earley LE. **J Clin Invest** 57(6):1660–5, Jun 76
Report of the committee on clinical immunology of the international union of immunological societies (IUIS). **J Immunol Methods** 11(1):87–95, 1976
50th All–India Medical Conference, Calcutta. Presidential address. Majumdar J. **J Indian Med Assoc** 64(7):172–82, 1 Apr 75
IMA Chief speaks at the 29th W.M. Assembly. Majumdar J. **J Indian Med Assoc** 65(8):242–4, 16 Oct 75
Membership roster: Indiana State Medical Association. **J Indiana State Med Assoc** 69(6):385–450, Jun 76
Involvement of the Iowa Medical Society. **J Iowa Med Soc** 65(9):382, Sep 75
The Kansas Medical Society—1975–1976. **J Kans Med Soc** 77(4):132, Apr 76
The Kansas Medical Society—1976–1977. **J Kans Med Soc** 77(8):7–17, 39–111, Aug 76
Maine Medical Association official roster. **J Maine Med Assoc** 67(3 Suppl):1–18, Mar 76
President's address. Madigan JB. **J Maine Med Assoc** 66(8):212, 220, Aug 75
MAG develops a position on the medicaid manual and physician provider agreement. Atkins EC. **J Med Assoc Ga** 64(8):298–301, Aug 75
The MAG and education. Daniel SL. **J Med Assoc Ga** 64(10):375–7, Oct 75
The role of specialty societies in continuing education. Hartmann HR. **J Med Assoc Ga** 65(4):116–7, Apr 76
Synopsis of MAG suit against Medicaid. Huff JW, et al. **J Med Assoc Ga** 64(11):437–8, Nov 75
Come fly with me. Morton WJ. **J Med Assoc Ga** 65(7):291–2, Jul 76
In the United States District Court for the Northern District of Georgia, Atlanta Division. Patrick RW, et al. **J Med Assoc Ga** 64(11):439–41, Nov 75
Quality reassurance. Madara JS. **J Med Soc NJ** 73(7):575–7,

Jul 76
Editorial: SNMA portends a great future for NMA. **J Natl Med Assoc** 67(4):318–334, Jul 75
William Pickles Lecture 1975. 1984: the quiet revolution? Irvine D. **J R Coll Gen Pract** 25(155):399–407, Jun 75
President's pages. Weston CT. **J SC Med Assoc** 71(11):347–8, Nov 75
First meeting of the American Orthopaedic Society for Sports Medicine. **J Sports Med** 2(2):102–10, Mar–Apr 75
Second annual meeting of the American Orthopaedic Society for Sports Medicine. **J Sports Med** 2(4):222–7, Jul–Aug 74
Editorial: Presidential address. O'Donoghue DH. **J Sports Med** 1(3):12–4, Mar–Apr 73
Predisdent's page. Avery JK. **J Tenn Med Assoc** 69(3):205, Mar 76
The American Association for Thoracic Surgery, 1975–1976. **J Thorac Cardiovasc Surg** 70(3):543–66, Sep 75
The American Association for Thoracic Srugery 1976–1977. **J Thorac Cardiovasc Surg** 72(3):471–90, Sep 76
Presidential address. The birth of a society. Dugan DJ. **J Thorac Cardiovasc Surg** 70(5):759–62, Nov 75
Editorial: International Urodynamics society. Boyarsky S. **J Urol** 115(4):355, Apr 76
JAMA Reference Directories. **JAMA** 233(12):1261–8, 22 Sep 75
JAMA Reference Directories. **JAMA** 235(4):376–9, 26 Jan 76
JAMA Reference Directories. **JAMA** 236(4):348, 353, 356, 26 Jul 76
State medical associations. **JAMA** 236(13):1457–8, 27Sep 76
Letter: National Health Service Consultants' Association. Baxter S. **Lancet** 1(7968):1074, 15 May 76
Directory of otolaryngologic societies. **Laryngoscope** 86(7):1058–63, Jul 76
Directory of otolaryngologic societies. **Laryngoscope** 86(5):749–54, May 76
Specialties and the specialty boards. Hoiden WD. **Laryngoscope** 86(6):763–8, Jun 76
AAMI biomedical standards available. Hammer GS 2nd. **Med Instrum** 9(6):281–2, Nov–Dec 75
President's address: planning for the future. Hufnagel CA. **Med Instrum** 10(3):171–2, May–Jun 76
The AAMI contract approach to standards development. Miller MJ, et al. **Med Instrum** 9(6):278–80, Nov–Dec 75
Editorials: Progress amongst the medical administrators. **Med J Aust** 1(11):331, 13 Mar 76
Editorial: Why unicorns? **Med J Aust** 1(20):728–9, 15 May 76
That was the year that was. Cowling B. **Med J Aust** 1(20):Suppl 15–6, 15 May 76
Australian Medical Association. Redemption declined. McAuliffe DS. **Med J Aust** 2(25–26):Suppl 31–4, 20–27 Dec 75
Australian medical association. Meeting of federal council. Roseby CM. **Med J Aust** 2(21):Supple 27–30, 22 Nov 75
County societies make their own political clout. Marr J. **Mich Med** 75(7):377, Jul 76
Editorial: Whither AMSUS? Custis DL. **Milit Med** 141(5):341, May 76
Position of the Massachusetts Medical Society with respect to Senate Bill No. 1948, an act establishing the rights of patients in hospitals and clinics. **N Engl J Med** 293(16):828–9, 16 Oct 75
Massachusetts Medical Society. Position of the Massachusetts Medical Society regarding proposed regulations governing the practice of psychosurgery. **N Engl J Med** 293(17):875–6, 23 Oct 75
Massachusetts Medical Society. Committee members. **N Engl J Med** 293(21):1098–9, 20 Nov 75
Editorial: The distinguished services of Claude E. Welch, M.D. Ingelfinger FJ. **N Engl J Med** 295(9):503, 26 Aug 76
Letter: Massachusetts Medical Society and Department of Public Health regulations. Zavarine C. **N Engl J Med** 294(4):228, 22 Jan 76
The president's address and participation for better medicine. Davis JE. **NC Med J** 36(8):471–5, Aug 75
The next twenty-five years. Parker RT. **Obstet Gynecol** 47(1):1–7, Jan 76
OSMA physician effectiveness program aids the disabled MD. **Ohio State Med J** 72(3):164–5, 189, Mar 76
Decriminalize, don't legalize. Society's marihuana position—modify law. **Pa Med** 79(1):14, Jan 76
Dr. Masland addresses House of Delegates. Masland DS. **Pa Med** 78(11):32–5, Nov 75
Building membership essential to society success. Poole R. **Pa Med** 79(3):50–1, Mar 76
The special committee on infant mortality of the Medical Society of the County of New York: a review. Abramson H. **Pediatr Ann** 5(2):9–17, Feb 76
American Pediatric Society presidential address. Hodes HL. **Pediatr Res** 10(3):201–4, Mar 76
Letter: Is the Academy demolishing private practice? **Pediatrics** 57(4):577–9, Apr 76
AAP executive board: Academy policy in relation to the pediatric nurse associate. **Pediatrics** 57(4):467–8, Apr 76
Pediatric automotive restraints, pediatricians, and the academy. Lieberman HM, et al. **Pediatrics** 58(3):316–9, Sep 76
The 1975 Presidential address: American Physical Therapy Association. Magistro C. **Phys Ther** 55(11):1199–1208, Nov 75
Regional societies of plastic and reconstructive surgery. **Plast Reconstr Surg** 58(1):124–6, Jul 76
National Societies of Plastic Surgery. **Plast Reconstr Surg** 58(4):529–32, Oct 76
Some advice, sage and otherwise. Musgrave RH. **Plast Reconstr Surg** 58(3):269–72, Sep 76
Illinois chapter, American College of Emergency Physicians affiliates with the Institute of Medicine. **Proc Inst Med Chic** 30(9):282–3, Oct–Dec 75
Presidential Address—1975: before the colors fade. Shapiro AP. **Psychosom Med** 37(4):292–305, Jul–Aug 75
Presidential address: 'That Was the Year That Was'. Evans JW. **Radiography** 42(493):3–13, Jan 76
How large the umbrella? Beeler JW. **Radiology** 118(3):735–6, Mar 76
RSNA syllabus for radiation biology in diagnostic radiology residency training. Howland WJ, et al. **Radiology** 120(1):233–6, Jul 76
Opionion: Intersociety collaboration in the cyclic presentation of categorical instructional courses. Nelson SW. **Radiology** 121(1):227–8, Oct 76
Richard Brian Holmes, M.D., F.R.C.P. (C). President, Radiological Society of North America. Reilly BJ. **Radiology** 118(2):475–6, Feb 76
Message from the president of the Casualty Surgeons Association (Great Britain). Abson EP. **Resuscitation** 4(4):255–7, 1975
Jubilee Congress: Presidential address by Dr J. Gluckman. Gluckman J. **S Afr Med J** 49(37):1533–4, 30 Aug 75
The Scottish society of physicians. Conway H. **Scott Med J** 20(5):201–2, SEP 76
Officers Southern Medical Association 1974–1975. **South Med J** 68(8):1058–60, Aug 75
Letter: Amalgamation of AANS and Congress not desirable. Alexander E Jr. **Surg Neurol** 6(2):132, Aug 76
Editorial: 'United we stand...' Bucy PC. **Surg Neurol** 5(6):343, Jun 76
Presidential address. Society of Neurological Surgeons. Ransohoff J 2nd. **Surg Neurol** 6(1):1–2, Jul 76
Society of University Surgeons. Presidential address. Ebert PA. **Surgery** 80(1):1–3, Jul 76
Teratology Society: membership 1975–76. **Teratology** 12(2):173–85, Oct 75
New president aware of critical job ahead. **Tex Med** 72(5):81–3, May 76
Thrombosis and Haemostasis Vth Congress. Abstracts. July 21–26, 1975, Paris, France. **Thromb Diath Haemorrh** 34(2):548–612, 15 Nov 75
Directory of otolaryngic societies. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):XXIV–XXXIV, Mar–Apr 76
Directory of ophthalmic societies. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):XXXIII–XLVI, Mar–Apr 76
Recertification of professional competence. American Board of Ophthalmology. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):XXX–XXXIII, May–Jun 76
Presidential address. The academy and graduate education in ophthalmology. Newell FW. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP11–8, Jan–Feb 76
Members of the American clinical and climatological associaton. **Trans Am Clin Climatol Assoc** 86:XVI–XXXI, 1975
The American Neurological Association. **Trans Am Neurol Assoc** 100:v–xxxi, 1975
Association of American Physicians. Directory. **Trans Assoc Am Physicians** 88:VI–LXIX, 1975
Presidential address on technologic restraint. Rogers DE. **Trans Assoc Am Physicians** 88:1–9, 1975
Some of the rarer books in the collection of the Medical Society of London. Freeman EJ. **Trans Med Soc Lond** 90:43–8, 1974
Directory, Pennsylvania Academy of Ophthalmology and Otolaryngology, 1976. **Trans Pa Acad Ophthalmol Otolaryngol** 29(1):113–27, Spring 76
Roster of fellows and life fellows, Pacific Coast Obstetrical and Gynecological Society. **Trans Pac Coast Obstet Gynecol Soc** 42:XV–XXXV, 1975
May ideas become reality. Presidential address. Peterson PG. **Trans Pac Coast Obstet Gynecol Soc** 42:3–6, 1975
Directory of Fellows of the College of Physicians of Philadelphia. **Trans Stud Coll Physicians Phila** 43(3):191–366, Jan 76
Annual report of the president: new directions for the College. **Trans Stud Coll Physicians Phila** 43(3):150–65, Jan 76
Annual report on the Library. **Trans Stud Coll Physicians Phila** 43(3):166–80, Jan 76
'Tubercle' and the International Union against Tuberculosis. **Tubercle** 56(2):161–2, Jun 75
The Ulster Medical Society. Quo vadis? Montgomery DA. **Ulster Med J** 45(1):1–11, 1976
How to accredit a medical organization. Gouldin TW, et al. **Va Med Mon** 103(2):145–7, Feb 76
Editorial: A notification of purpose and a call for help. Thompson WT. **Va Med Mon** 103(3):230–2, Mar 76
The Milwaukee Internist Club. Mullooly JP. **Wis Med J** 75(2):41–2, Feb 76
[5th Conference of delegates from the Federation of Unions of Medical Research Societies of Socialist Countries held in Moscow on November 25–28, 1975] **Cas Lek Cesk** 114(51):1590–2, 19 Dec 75 **(Cze)**
[Foreign activities of the Czech Medical Society] Dobiáš J. **Cas Lek Cesk** 114(51):1582–5, 19 Dec 75 **(Cze)**
[Activities of the Czech Medical Society since the last meeting of the Central Committee (November 15, 1974)] Homolka J. **Cas Lek Cesk** 114(51):1576–9, 19 Dec 75 **(Cze)**
[Problems of idealogical education within the framework of the Czech Medical Society] Spaček B. **Cas Lek Cesk** 114(51):1575, 19 Dec 75 **(Cze)**
[Activities of medical associations] Vencovský E. **Cas Lek Cesk** 114(51):1586–7, 19 Dec 75 **(Cze)**
[News from the specialists' committee] **Ugeskr Laeger** 138(22):1341–3, 24 May 76 **(Dan)**
[Member congress; medicine and its fringe areas. Introduction] Casparie AF. **Ned Tijdschr Geneeskd** 119(42):1602–3, 18 Oct 75 **(Dut)**
[Articles of the Belgian Society of Anesthesia and Resuscitation] **Acta Anaesthesiol Belg** 26(1):XVII–XXX, Apr 75 **(Fre, Dut)**
[Membership of the Belgian Scoety of Anesthesia and Resuscitation] **Acta Anaesthesiol Belg** 26(1):X–XVI, Apr 75 **(Fre, Dut)**
[Editorial: The creation of a home for anesthesiology] Gauthier-Lafaye P. **Anesth Analg (Paris)** 32(1):11–2, Jan–Feb 75 **(Fre)**
[Congress of the French Chapter of the International College of Surgeons, organized by the Reims University Surgical Clinic, June 7, 8 and 9, 1974. Breast cancer, current problems] **Ann Chir** 29(9):878–79, Oct 75 **(Fre)**
[List of members of the Belgium Royal Academy of Medicine for 1974] **Bull Acad R Med Belg** 130(1):3–45, Jan 75 **(Fre)**
[List of members of the Société Française d'Ophtalmologie] **Bull Mem Soc Fr Ophtalmol** (87):XII–C, 1976 **(Fre)**
[List of members of the Société Belge d'Ophtalmologie] **Bull Soc Belge Ophtalmol** 170:IV–XXI, 1975 **(Fre)**
[Members of the Acade'mie de Chirurgie] **Chirurgie** 101(1):105–12, 15–29 Jan 75 **(Fre)**
[Report of the activities of the Acade'mie de Chirurgie during 1974] Chatelin C, et al. **Chirurgie** 101(1):21–6, 15–29 Jan 75 **(Fre)**
[Membership list. National Society for the Study of Sterility and Fertility] preceding p. 1. **In: Thibault C, ed. La fecondation. Paris, Masson, 1975. WQ 205 F291 1975.** **(Fre)**
[Belgian Society for Radiation Protection. 1971 Membership List] **J Belge Radiol** 55(2):227–32, Mar–Apr 72 **(Fre, Dut)**
[Belgian Society of Rheumatology. 1975] **J Belge Rhumatol Med Phys** 30(2):118–26, Mar–Apr 75 **(Fre)**
[Annual report of the French Association of Medical Radiology, Nuclear Medicine and Electrology] **J Radiol Electrol Med Nucl** 56(8–9):VIII–XXXV, Aug–Sep 75 **(Fre)**
[Additions and corrections to the 1974 membership list, Société francaise de phlébologie] **Phlebologie** 28(1):XXV–XXVII, Jan–Mar 75 **(Fre)**
[Additions and corrections to the membership list] **Phlebologie** 28(4):XVII–XVIII, Oct–Dec 75 **(Fre)**
[German Ophthalmologic Society. Report on the 73rd Convention in Heidelberg 1973. Diseases of the macula] **Ber Dtsch Ophthalmol Ges** (73):1–748, 1975 **(Ger)**
[Opening address of the 1st chairman of the German Ophthalmologic Society] Ullerich K. **Ber Dtsch Ophthalmol Ges** (73):1–7, 1975 **(Ger)**
[Report on the 42nd Convention of the Section for Gastroenterology and Metabolism of the Polish Society of Internal Medicine in Poznań, May 10–11, 1974] Teichmann W, et al. **Dtsch Z Verdau Stoffwechselkr** 35(2):91, 1975 **(Ger)**
[Report on the 9th Meeting of the European Association for Liver Studies (E.A.S.L.) in Hemsedal (Norway), July 5–7, 1974] Teichmann W. **Dtsch Z Verdau Stoffwechselkr** 35(2):93–4, 1975 **(Ger)**
[Report on the 79th session of the Nordwestdeutsche Gesellschaft für Gynäkologie, May 17–19, 1974 in Timmendorfer Strand] Foerster H. **Geburtshilfe Frauenheilkd** 35(7):552–7, Jul 75 **(Ger)**
[Letter: Report on the 30th Convention of the German Dermatologic Society in Graz (Sept. 10–148 1974)] Lindemayr W. **Hautarzt** 26(8):436–9, Aug 75 **(Ger)**
[Report on the 11th Sceintific Convention of the German-speaking Mycological Society, September 26–28, 1974, in Basel] Meinhof W. **Hautarzt** 26(8):440–3, Aug 75 **(Ger)**
[38th Annual Meeting of the Deutsche Gesellschaft für Unfallheilkunde, Versicherungs-, Versorgungs- und Verkehrsmedizin e.V. November 21–23, 1974, Berlin] **Hefte Unfallheilkd** (121):1–564, 1975 **(Ger)**
[10th session of the Oesterreichische Gesellschaft für Unfallchirurgie, Oct. 11–12, 1974, Salzburg] **Hefte Unfallheilkd** (124):1–330, 1975 **(Ger)**
[Medio-legal problems in mishaps during anesthesia. Round table discussion at the occasion of the 45th annual meeting of the Deutsche Gesellschaft für Hals-Nasen-Ohren-Heilkunde, Kopf- und Hals Chirurgie 26–30, 1974 in Bad Reichenhall] Haas E. **HNO** 23(5):137–46, May 75 **(Ger)**
[Surgical form '75 for experimental and clinical research. 92d congress of the Deutsche Gesellschaft für Chirurgie, Munich 1975] **Langenbecks Arch Chir** Suppl:1–476, 1975 **(Ger)**
[Proceedings of the Deutsche Gesellschaft für Chirurgie, 92d

session, May 7–10, 1975, Munich, West Germany] **Langenbecks Arch Chir** 339:1–757, Nov 75 **(Ger)**

[Proceedings of the Deutsche Gesellschaft für Chirurgie. 92d session May 7–10, 1975. Opening address of the president] Carstensen G. **Langenbecks Arch Chir** 339:3–11, Nov 75 **(Ger)**

[Is there a specific therapy for the various collagen diseases? Podium discussion at the 15th session of the DKD Continuous Education, Mar. 9, 1974 at Wiesbaden] Bandilla K, et al. **Med Welt** 26(51):2286–92, 19 Dec 75 **(Ger)**

[41st Annual Convention of the German Society for Blood Circulation Research in Bad Nauheim, April 4–6, 1975 (Conclusion)] Usinger W. **Med Welt** 26(44):2015–25 concl, 31 Oct 75 **(Ger)**

[41st Annual Convention of the German Society for Blood Circulation Research in Bad Nauheim, April 4–6, 1975] Usinger W. **Med Welt** 26(42):1943–8 contd, 17 Oct 75 **(Ger)**

[Proceedings of the 71st regular assembly of the Deutsche Gesellschaft für Kinderheilkunde in Hamburg September 9–11, 1974] Schäfer KH. **Monatsschr Kinderheilkd** 123(5):189–93, May 75 **(Ger)**

[Current problems of data processing in clinical nuclear medicine. Symposium of Rhine–Westphalian Society for Nuclear Medicine in Bonn, Dezember 7, 1974] Biersack HJ. **Nucl Med (Stuttg)** 14(2):196–205, 30 June 75 (Eng. Abstr.) **(Ger)**

[Opening address at the 25th scientific congress of the Bundesverband der Arzte des Offentlichen Gesundheitsdienstes and the 1st International Congress on Public Health of the World Federation of Public Health Associations in Bonn – Bad Godesberg 1975] Bohm A. **Oeff Gesundheitswes** 37(8):425–8, Aug 75 **(Ger)**

[Announcement of an Austrian study group for the treatment of leukemia in children (author's transl)] Mutz I, et al. **Paediatr Paedol** 11(3):511–5, 1976 **(Ger)**

[4th Annual Convention of the German Society for Thoracic, Cardiac and Vascular Surgery, February 20–22, 1975, in Bad Nauheim] **Thoraxchirurgie** 23(3):192–321, Jun 75 **(Ger)**

[Report on the 17th Convention of the Vereinigung Norddeutscher Urologen, June 19–21, 1975, in Malente] Bleicken HG. **Urologe [A]** 15(2):97–9, Mar 76 **(Ger)**

[The report on the 21st Convention of the Nordrhein–Westfälische Gesellschaft für Urologie, June 13–14, 1975, in Cologne] Strohmenger P. **Urologe [A]** 15(1):55–7, Jan 76 **(Ger)**

[59th sessions of the Deutsche Gesellschaft für Pathologie. A. Welcoming addresses] Selberg W. **Verh Dtsch Ges Pathol** 59:XIX–XXII, 1975 **(Ger)**

[IVth scientific conference of the department of thoracic surgery in the society for surgery of the gdr 5/10/1973 in halle (saale) (author's transl)] Panzner R, et al. **Z Erkr Atmungsorgane** 142(3):231–2, Mar 75 **(Ger)**

[List of members of the Gesellschaft für Innere Medizin of the German Democratic Republic within the Gesellschaft für klinische Medizin of the GDR] **Z Gesamte Inn Med** 31(5):355–68, 1 Mar 76 **(Ger)**

[Report on the 1st Congress of the Society of Scientific Nephrologists of the U.S.S.R] Ratner M. **Z Urol Nephrol** 68(9):667–70, Sep 75 **(Ger)**

[Physicians help physicians] Häussler S. **Zahnaerztl Mitt** 65(10):495, 16 May 75 **(Ger)**

[Farewell to the 'Deutsche Gesellschaft für Arbeitsschutz'] Böhme G. **Zentralbl Arbeitsmed** 25(12):357–9, Dec 75 **(Ger)**

[5TH East German Gynecological Congress in Magdeburg, 1974] Mosler W, et al. **Zentralbl Gynaekol** 97(14):884–5, 1975 **(Ger)**

[Is Igls worth a journey? Report on the 19th International Congress on General Medicine of the SIMG in Igls/Innsbruck, September 22–27, 1975] Braess CH. **ZFA** 52(8):432–3, 20 Mar 76 **(Ger)**

[Italian Society of Cardiology] **Boll Soc Ital Cardiol** 18(1):iii–xxix, 1973 **(Ita)**

[Società Italiana di Cardiologia] **Boll Soc Ital Cardiol** 19(1):i–xxvii, 1974 **(Ita)**

[Società Italiana di Cardiologia] **Boll Soc Ital Cardiol** 20(1):I–XXXIV, 1975 **(Ita)**

[Inaugural address read at the 33d Congress of the Italian Society of Cardiology. (Contributions of electrophysiology at the 1st Conference of Italian Scholars held in Pisa in October 1839)] Condorelli L. **Boll Soc Ital Cardiol** 17(9):639–54, 1972 **(Ita)**

[Directory of the Hokkaido Medical Society] **Hokkaido J Med Sci** 50(6):600–7, Nov 75 **(Jpn)**

[Role of medical associations in stabilization of regional medical system, with special reference to planning of multichannel medical systems(MMS)] Sugita H. **Jpn J Clin Med** 33(8):2497–502, 10 Aug 75 **(Jpn)**

[Directory of the Japanese Leprosy Association, 1975] **Lepro (Tokyo)** 44(2):118–27, Apr–Jun 75 **(Jpn)**

[Interview with Odd Bjercke] Bjercke O, et al. **Tidsskr Nor Laegeforen** 96(13):773–5, 10 May 76 **(Nor)**

[Brazilian Medical Association: dignified, responsable and free as the profession itself] Kassab P. **Rev Assoc Med Bras** 21(11):315–8, Nov 75 **(Por)**

[Scientific medical societies and their role in the development of the science and practice of public health] Podrushniak EP. **Farm Zh** 30(6):3–7, Nov–Dec 75 **(Rus)**

[All–Union Scientific Medical and Technical Scoiety and the development of medical technology] Utiamyshev RI. **Med Tekh** (5):8–10, Sep–Oct 75 **(Rus)**

[Military Medicine Society of the German Democratic Republic, its tasks and goals] Hestewitz H, et al. **Voen Med Zh** (6):80–2, Jun 76 **(Rus)**

[Role of scientific societies in the improvement of qualification of practicing physicians] Aminev AM, et al. **Zdravookhr Ross Fed** (12):29–31, Dec 75 **(Rus)**

[Role of scientific societies in the improvement of professional qualifications of physicians (from the experience of the Moscow district)] Sazonov AM, et al. **Zdravookhr Ross Fed** (7):8–11, Jul 75 **(Rus)**

[Resolutions adopted by the Central Committee of the Slovak Medical Society, Bratislava, November 13, 1975] **Cas Lek Cesk** 115(5):137–8, 6 Feb 76 **(Slo)**

[Tasks of the medical societies in the period of scientific–technical development] Mariányi J. **Cas Lek Cesk** 115(5):129–32, 6 Feb 76 **(Slo)**

[Symposium of the mexican society of physiological introduction sciences. Introduction] Rojas AG. **Bol Estud Med Biol** Suppl 1:9–21, 1974 **(Spa)**

[6 years of the International Union of Societies of Immunology. Presidential report (Brighton 1974)] Cinader B. **Medicina (B Aires)** 35(4):389–94, Jul–Aug 75 **(Spa)**

[Editorial: The society of internal medicine of Mexico] **Prensa Med Mex** 41(1–2):1–4, Jan–Feb 76 **(Spa)**

[Editorial: The tasks of teaching of a medical society (author's transl)] Sánchez CR. **Prensa Med Mex** 40(11–12):327–8, Nov–Dec 75 **(Spa)**

[Fiduciaries and officers in the Swedish medical society] **Lakartidningen** 72(49):4826–9, 3 Dec 75 **(Swe)**

[Editorial: Medical Association to WMA: invest in Eastern Europe!] **Lakartidningen** 73(12):1030, 17 Mar 76 **(Swe)**

[List of current members of the Turkish Medical Society] **Turk Tip Dern Derg** 40(1):15–38, 1974 **(Tur)**

HISTORY

The development of anaesthesiology in Sweden. Gordh T. **Acta Anaesthesiol Scand** 19(5):344–8, 1975

The twenty–fifth anniversary of the Danish Society of Anaesthesiology. Haxholdt BF, et al. **Acta Anaesthesiol Scand** 19(5):324–9, 1975

On the activities of the Finnish Society of Anaesthesiologists, 1952–1974. Janhunen L. **Acta Anaesthesiol Scand** 19(5):330–5, 1975

The Norwegian Association of Anaesthesiologists–25 years. Jorgensen B. **Acta Anaesthesiol Scand** 19(5):341–3, 1975

The Scandinavian Society of Anaesthesiologists, 1950–1975. Poulsen H. **Acta Anaesthesiol Scand** 19(5):317–23, 1975

Presidential report. Six years of the international union of immunological societies. Cinader B. **Allerg Immunol (Leipz)** 20–21(3):345–9, 1974–75

Presidential address: Societies, surgeons and surgery. Muller WH Jr. **Ann Surg** 183(5):449–62, May 76

Origin and organization of the Arizona medical association. Sattenspiel E. **Ariz Med** 33(6):460–6, Jun 76

The Gordon–Taylor memorial lecture: metatropoi aurai—the winds of change. Kenny PJ. **Aust NZ J Surg** 45(3):225–34, Aug 75

The origins of the College. Scott RK. **Australas Radiol** 19(3):211–5, Sep 75

Medico–psychologists, Maudsley and the Maudsley. Walk A. **Br J Psychiatry** 128:19–30, Jan 76

Letter from ... Dublin. Private enterprise—Royal College of Surgeons in Ireland. O'Brien ET. **Br Med J** 1(6020):1264–6, 22 May 76

Memoir of the South–west Branch of the BMA in Victorian and Edwardian times. Russell PM. **Br Med J** 1(6009):574–7, 6 Mar 76

Medical Journalism in the West of England 1889–1970. Brown NJ. **Bristol Med Chir J** 89(331):31–43, Jul 74

The history of Medicine in Bristol and of the Bristol Medico–Chirurgical Society. Perry CB. **Bristol Med Chir J** 89(331):25–30, Jul 74

The admission of women to nineteenth–century American medical societies. Kaufman M. **Bull Hist Med** 50(2):251–60, Summer 76

The missing seal, or highlights of the first half century of the American Association for the History of Medicine. Miller G. **Bull Hist Med** 50(1):93–121, Spring 76

Canadian psychiatrists in publications of APA, 1948–1958 source materials. Blain D, et al. **Can Psychiatr Assoc J** 20(7):543–7, Nov 75

A journey into the past: history of the Connecticut State Medical Journal 1936–1958. Weld SB. **Conn Med** 40(1):41–50, Jan 76

The Guy's Hospital Physical Society (1771–1852). Wall JR. **Guys Hosp Rep** 123(2):159–70, 1974

The original thirteen. **Hosp Community Psychiatry** 27(7):464–7, Jul 76

Men of Medicine, 1776–1976. Early medical societies. Camp HM. **Ill Med J** 150(1):49–54, Jul 76

A brief historical survey of the Dermatologic Society of Greater New York, 1924–1974. Silver H, et al. **Int J Dermatol** 14(7):530–2, Sep 75

Proctor Lecture, 1976. On presentation of the Proctor Medal of the Association for Research in Vision and Ophthalmology to Tsuneo Tomita. Miller WM. **Invest Ophthalmol** 15(3):169–70, Mar 76

73rd annual meeting of Florida Medical Association adjourns to Havana. McKibben WW. **J Fla Med Assoc** 62(8):27–32, Aug 75

Visiting the medical school and some hospitals in Havana. Williams G Jr. **J Fla Med Assoc** 62(8):33–4, Aug 75

50th All–India Medical Conference, Calcutta. Golden Jubilee Oration. Mukharji AD. **J Indian Med Assoc** 64(7):183–90, 1 Apr 75

The way it was—they say. Gray DE. **J Kans Med Soc** 77(3):116–7, 120, Mar 76

Medicine in Kansas: the Journal of the Kansas Medical Society, 1901–1903. Greenwood RD. **J Kans Med Soc** 77(7):335–8, Jul 76

The Golden Belt Medical Society in Kansas: the first fifty years. Porter JM. **J Kans Med Soc** 77(7):303–15, Jul 76

Infant mortality, Dr. Henry Dwight Chapin, and the Speedwell Society 1890–1920. Romanofsky P. **J Med Soc NJ** 73(1):33–8, Jan 76

Remarks on New Jersey's contribution to medicine. Saffron MH. **J Med Soc NJ** 73(1):14–5, Jan 76

A history of medical publications in Mississippi. Gibson N. **J Miss State Med Assoc** 17(1):10–2, Jan 76

Ernest Ward and collective investigations. McConaghey RM. **J R Coll Gen Pract** 24(145):568–71, Aug 74

History of the Medical and Chirurgical Faculty, 1899–1925. Part 3, 1916–1925. By John Ruhrah, M.D. 1872–1935. **Md State Med J** 24(9):49–53, Sep 75

Recollections of 50 years of the medical and chirurgical faculty. Miles LH. **Md State Med J** 24(11):65–70, Nov 75

William McClelland, M.D. 1768–1812: First President of the Medical Society of the State of New York—1807. McClelland A. **NY State J Med** 76(7):1156–9, Jul 76

Doctors' dining clubs. The beginning of continuing medical education. Pavey CW. **Ohio State Med J** 72(1):10–2, Jan 76

Recurring issues face medicine through the years. Lamb RL. **Pa Med** 79(7):68–9, Jul 76

History of the American Society for Aesthetic Plastic Surgery. Crosby JF Jr. **Plast Reconstr Surg** 56(5):507–12, Nov 75

The Australian Association of Neurologists–a review of twenty–five years. Game J. **Proc Aust Assoc Neurol** 12:1–6, 1975

Editorial: History of the Central Neurosurgical Society. Its formative years, 1959–1974. Salibi BS. **Proc Inst Med Chic** 30(7):219, Apr–Jun 75

History of the tuberculosis and diseases of the chest group. Shaw CH. **Public Health** 90(1):31–3, Nov 75

The Interurban Neurosurgical Society. An historical note. 1940–1975. Voris HC. **Surg Neurol** 5(6):345–7, Jun 76 (Eng. Abstr.)

The history of the Medical Society of London. Hunt T. **Trans Med Soc Lond** 90:37–42, 1974

Annual Oration on British Medicine and the Medical Society of London in May 1874. Poynter FN. **Trans Med Soc Lond** 90:209–25, 1974

Pacific Caost Oto–Ophthalmological Society. List of officers. **Trans Pac Coast Otoophthalmol Soc** 55:344–59, 1974

The founders and Foundation of the Pennsylvania Public Health Association: a legacy of a half century of solid achievement, 1925–75. Ingraham NR, et al. **Trans Stud Coll Physicians Phila** 43(3):95–116, Jan 76

[Dr. Franjo Milličić the first president of the Medical Association of Croatia (author's transl)] Belicza B. **Lijec Vjesn** 98(1):45–6, Jan 76 **(Cro)**

[The 100th anniversary of Zbora liječnika Hrvatske (Croatian Medical Society)] Knežević S. **Lijec Vjesn** 96(5):271–5, Mar 74 **(Cro)**

[50–years of the Czechoslovak Ophthalmologic Society] Knobloch R. **Cesk Oftalmol** 32(2):81–3, Mar 76 **(Cze)**

[Dupuytren, cruveilhier and the anatomical society (author's transl)] Orcel L, et al. **Arch Anat Cytol Pathol** 24(2):167–79, 1976 (Eng. Abstr.) **(Fre)**

[Memorial sheet. Establishment of Deutsche Röntgengesellschaft in Berlin 70 years ago, on May 2nd, 1905] Walther KM. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):470, May 75 **(Ger)**

[75 years of the Deutsche Gesellschaft für Orthopädische Chirurgie (1901). Deutsche Orthopädische Gesellschaft (1913) and Deutsche Gesellschaft für Orthopädie und Traumatologie (1967)] Becker FT. **Z Orthop** 114(3):275–82, Jun 76 **(Ger)**

[Szaniszló Töltényi] Kapronczay K. **Orv Hetil** 117(12):732–4, 21 Mar 76 **(Hun)**

[The Royal Medical Society of Pest–Buda] Kempler K. **Orv Hetil** 117(12):730–2, 21 Mar 76 **(Hun)**

[Mycobacterium tuberculosis and I—some memories] Aoyagi Y. **Kekkaku** 50(11):372–3, Dec 75 **(Jpn)**

[Birth of the Japanese Society for Tuberculosis] Oka H. **Kekkaku** 50(11):369–70, Dec 75 **(Jpn)**

[Memories of the Japanese Society for Tuberculosis] Toda T. **Kekkaku** 50(11):371, Dec 75 **(Jpn)**

[In memoriam: Dr. Edward Hanke (1895–1975), honorary member of the Polish Society of History of Medicien] Brożek K. **Arch Hist Med (Warsz)** 39(2):121–3, 1976 **(Pol)**

[The Lublin Medical Society, 1874–1951. The 100th anniversary of its foundation] Jasińska Z. **Arch Hist Med (Warsz)** 38(3–4):249–62, 1975 **(Pol)**

[Tomasz Twardochlebowicz—forgotten physician at the turn of the 18th and 19th centuries] Ostrowska T. **Arch Hist Med (Warsz)** 39(2):219–27, 1976 **(Pol)**

[Fifty years of activities of the Polish Medical Radiology Society (author's transl)] Szmurlo J. **Pol Przegl Radiol** 40(2):71–3, Mar–Apr 76 **(Pol)**

[Introduction. Session dedicated to the 50th anniversary of the Polish Medical Radiology Society (author's transl)] Wójtowicz J. **Pol Przegl Radiol** 40(2):69–70, Mar–Apr 76 **(Pol)**

[The Częstochowa Medical Society between 1901 and 1951.

From the history of precursors of Polish Medical Associations] Brożek K. **Pol Tyg Lek** 31(12):501–2, 22 Mar 76 **(Pol)**

[The Medical society of Dąbrowa Górnicza mining region (1907–1951). History of precursors of the Polish Medical Society] Brożek K. **Pol Tyg Lek** 31(15):641–2, 12 Apr 76 **(Pol)**

[Silesian Medical Society 1908–1951 (up to 1939 called Society of Polish Physicians in Silesia). A contribution to the history of the Polish Medical Society] Brożek K. **Pol Tyg Lek** 31(19):819–21, 10 May 76 **(Pol)**

[100th anniversary of the foundation of the Lublin Medical Society] Piaseczyńska T. **Pol Tyg Lek** 30(38):1593–4, 22 Sep 75 **(Pol)**

[Foundation of the Polish Orthopedic Society] Dziak A. **Wiad Lek** 28(18):1609–16, 15 Sep 75 **(Pol)**

[Editorial: The Brazilian Medical Association after 25 years] Kassab P. **Rev Assoc Med Bras** 22(1):1–2, Jan 76 **(Por)**

[Statutes of the Medical Society of Galati] Cărăuşu S. **Rev Med Chir Soc Med Nat Iasi** 69(3):479–80, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Activities of the Azerbaijani Scientific society of Hygienists and public Health Physicians (1969–1974)] Amirov RO, et al. **Gig Sanit** (1):109–10, Jan 76 **(Rus)**

[On the centenary of the Moscow City Scientific Society of Therapeutisits] **Klin Med (Mosk)** 54(2):8–9, Feb 76 **(Rus)**

[Volyn' Scientific Medical Society (1872–1904)] Borovyĭ EM, et al. **Sov Zdravookhr** (4):71–3, 1975 **(Rus)**

[History of the organization of public health physicians in Azerbaijan] Dzhavadov RB, et al. **Sov Zdravookhr** 00(1):74–7, 1976 **(Rus)**

[History of the Moscow Municipal Scientific Society of Therapeutists (1875–1975)] Artem'ev EN. **Ter Arkh** 47(10):133–8, 1975 **(Rus)**

[History of the Kiev Society of Medical Night Duty] Kossaia AM, et al. **Vrach Delo** (1):152–4, Jan 74 **(Rus)**

[20 years of work of the section for Hematology and Blood Transfusion of the Serbian Medical Society] Ruvidić R. **Bilt Hematol Transfuz** 4(1–2):3–7, 1976 **(Ser)**

[Medical Society of Vojvodina] Dracă P. **Med Pregl** 29(5–6):205–7, 1976 **(Ser)**

[50–years of the Czechoslovak Medical Society] Cerveňanská N. **Acta Chir Orthop Traumatol Cech** 43(1):1–12, Feb 76 **(Slo)**

[History of the Society of Medical Students in Bratislava. 8. Before Munich] Tichý M, et al. **Bratisl Lek Listy** 64(1):101–8, Jul 75 **(Slo)**

[History of the society of Medical Students in Bratislava. 9. New situation] Tichý M, et al. **Bratisl Lek Listy** 64(2):238–47, Aug 75 **(Slo)**

[Activities of the Slovak Medical Society in the years 1974 and 1975 and the fulfilment of the resolutions adopted by the 14th Conference of the Communist Party of Czechoslovakia] Niederland TR. **Cas Lek Cesk** 115(5):132–6, 6 Feb 76 **(Slo)**

[Editorial: 30 years of the Mexican Society of allergy and Immunolopy] Perez MJ. **Alergia** 23(3):97–9, Jul 76 **(Spa)**

SOCIETIES, NURSING

Diectory of international and national nursing organizations. **Am J Nurs** 76(5):836, 838, 840 passim, May 76

The New York plan. Schorr TM. **Am J Nurs** 75(12):2141, Dec 75

Editorial: Dateline Geneva. Schorr TM. **Am J Nurs** 76(3):387, Mar 76

A conversation with executive director. Mussallem H. **Can Nurse** 72(4):44–5, Apr 76

American Association of Critical–Care Nurses. President's message. Voorman D. **Heart Lung** 4(6):839–41, Nov–Dec 75

Chronology of a hospital union campaign. Helin EB. **Hosp Top** 54(2):53–8, Mar–Apr 76

The nurse as a professional and as a unionist. Epstein RL, et al. **Hospitals** 50(2):44–8, 108, 16 Jan 76

Report of the ICN President, 1973–1975. Cornelius D. **Int Nurs Rev** 22(6):168–76, Nov–Dec 75

Letter: American Association of Neurosurgical Nurses. Mazzola R. **J Neurosurg** 44(4):532, Apr 76

Correlation of NLN Achievement Test scores with State Board Test Pool Examination scores. Shelley B, et al. **Nurs Outlook** 24(1):52–5, Jan 76

Editorial: Research councils on the state level. Carnegie ME. **Nurs Res** 25(2):83, Mar–Apr 76

Attitudes toward alternative models of unions and professional associations. Denton JA. **Nurs Res** 25(3):178–80, May–Jun 76

Inevitable decision. **Nurs Times** 72(31):1186–7, 5 Aug 76

Rcn: professional body and trade union? Any questions? Hall C. **Nurs Times** 72(34):1300–3, 26 Aug 76

AAIN statement on continuing education. **Occup Health Nurs (NY)** 23(10):21–5, Oct 75

AAIN, ABOHN, ANA statement on certification of occupational health nurses. **Occup Health Nurs (NY)** 23(11):45, Nov 75

Let's discuss leadership. Marino RA. **Occup Health Nurs (NY)** 23(12):15–6, Dec 75

Membership With Motivation. Saller DM. **Occup Health Nurs (NY)** 24(08):10–2, Aug 76

HISTORY

Celebrating sixty years. **Nurs Times** 72(13):481–4, 1 Apr 76

A glimpse into AAIN's past. Bill SA. **Occup Health Nurs (NY)** 23(12):20–2, Dec 75

SOCIETIES, PHARMACEUTICAL

The Washington phenomena. Apple WS. **J Am Pharm Assoc** 16(8):446–9, 452, Aug 76

Comments by the American Pharmaceutical Association to the President's Biomedical Research Panel. October 1975. **J Pharm Sci** 64(11):III–VI, Nov 75

[Foundation of The Association for Advancement of Clinical Pharmacology] Vreeken J. **Ned Tijdschr Geneeskd** 120(6):246–7, 7 Feb 76 **(Dut)**

[Award of the Société Française de Thérapeutipue etale Pharmacodynamie (courtade Foundation with the aid of the Syndicat National de e' Industrie Pharmaceutipue)] **Therapie** 30(5):793–4, Sep–Oct 75 **(Fre)**

[Emergency aid in allergic shock—first aid unit of the Norwegian Pharmacist's Society] Nordbo K. **Tidsskr Nor Laegeforen** 96(16):946, 10 Jun 76 **(Nor)**

[From the work experience of the Belorussian Scientific Society of Pharmacists] Tukalo EA. **Farmatsiia** 24(5):52–4, Sep–Oct 75 **(Rus)**

[Role of the Scientific Society of Pharmacists in the further improvement of the work of the pharmacy network] Ivanitskaia MF. **Farm Zh** 30(6):15–7, Nov–Dec 75 **(Ukr)**

[Work of the Kharkov Branch of the Scientific Society of Pharmacists] Konev FA, et al. **Farm Zh** 30(6):17–9, Nov–Dec 75 **(Ukr)**

[Work of the Lvov Branch of the Scientific Society of Pharmacists] Pozdniakova VT, et al. **Farm Zh** 30(6):20–2, Nov–Dec 75 **(Ukr)**

[Work of the Scientific Society of Pharmacists of the Ukrainian SSR] Salo DP, et al. **Farm Zh** 30(6):11–4, Nov–Dec 75 **(Ukr)**

[Work experience of a provincial branch of the Scientific Society of Pharmacists] Shevchuk OI. **Farm Zh** 30(6):22–5, Nov–Dec 75 **(Ukr)**

[Role of the All–Union Scientific Society of Pharmacists in the successful development of the theory and practice of pharmacy] Skulkova RS. **Farm Zh** 30(6):7–11, Nov–Dec 75 **(Ukr)**

HISTORY

[Activity of the Czech Pharmaceutical Society since the 1st congress in 1971] Hálek L. **Cesk Farm** 25(1):2–5, Feb 76 **(Cze)**

[Czechoslovak Pharmaceutical Society and the 30th anniversary of the liberation of Czechoslovakia] Salava M, et al. **Cesk Farm** 24(10):409–11, Dec 75 **(Cze)**

[Activity of the Czechoslovak Pharmaceutical Society in 1974] Solich J, et al. **Cesk Farm** 24(6):228–35, Jul 75 **(Cze)**

[Petersburg Pharmaceutical Society] Salo VM, et al. **Farmatsiia** 25(2):78–80, 1976 **(Rus)**

SOCIETIES, SCIENTIFIC

Editorial: European Biological Research Association. **Agents Actions** 6(4):452–3, Jul 76

Members of the american association of physical anthropologists. **Am J Phys Anthropol** 43(3):453–79, Nov 75

Proceedings: Netherlands society for microbiology symposium on modern microbiologica monitoring of processed food. Introduction. Winkler KC. **Antonie van Leeuwenhoek** 41(3):367–8, 1975

Editorial: Six years of the International Union of Immunological Societies. Presidential report (Brighton, 1974). Cinader B. **Cell Immunol** 14(3):339–45, Dec 74

Report of the second conference on education in clinical chemistry. Besch PK, et al. **Clin Chem** 22(4):541–9, Apr 76

Presidential address: the Endocrine Society. Lieberman S. **Endocrinology** 97(5):1340–9, Nov 75

Directory of The Genetics Society of America. **Genetics** 83(3 Pt. 1 Suppl):s127–68, Jul 76

Ecologists, ethical codes, and the struggles of a new profession. Hollander R. **Hastings Cent Rep** 6(1):45–6, Feb 76

The president's message. Ziemer PL. **Health Phys** 29(2):ix–x, Aug 75

American Registry of certified Animal Scientists (ARCAS). Effective July 1, 1975. **J Anim Sci** 41(1):460–87, Jul 75

Alphabetical list of W.D.A. members, 1975. **J Wildl Dis** 12(2):280–94, Apr 76

Role of scientific societies in disseminating knowledge and fostering research on x-rays. Nelson PA. **Med Instrum** 9(6):260–6, Nov–Dec 75

The South African Nutrition Society and its role. de Wit JP. **S Afr Med J** 49(54):2211–4, 20 Dec 75

[Directory of the Japanese Pharmacological Society, 1975] **Folia Pharmacol Jpn** 71(8):28A–64A, Nov 75 **(Jpn)**

[Directory of the Japanese Biochemical Society, 1976–7] **J Jpn Biochem Soc** 47(11):9–11, Nov 75 **(Jpn)**

[Directory of the Japenese Society for Bacteriology, 1975] **Jpn J Bacteriol** 31(3):455–531, May 76 **(Jpn)**

[All–Union Scientific Medical and Technical Scoiety and the development of medical technology] Utiamyshev RI. **Med Tekh** (5):8–10, Sep–Oct 75 **(Rus)**

HISTORY

The Phreno–Magnetic Society of Cincinnati—1842. Wester WC 2d. **Am J Clin Hypn** 18(4):277–81, Apr 76

The Chicago section, AACC. Dietz AA. **Clin Chem** 22(1):111–3, Jan 76

[Relationship with England of the Academia Naturae Curiosorum in the 18th Century] Kaiser W. **Clio Med** 11(1):1–14, Apr 76 **(Ger)**

[History Biochemistry Society in the last 50 years. II] **J Jpn Biochem Soc** 47(11):967–89, Nov 75 **(Jpn)**

[Professor Witold Stefanski and the Polish Society of Parasitology] Pawlowski Z. **Wiad Parazytol** 22(1):51–3, 1976 **(Pol)**

SOCIOECONOMIC FACTORS

An investigation of socio–psychological factors affecting infant immunization. Markland RE, et al. **Am J Public Health** 66(2):168–70, Feb 76

Childhood separation experiences and psycho–social status in primiparous women: preliminary findings. Wolkind SN, et al. **Br J Psychiatry** 128:391–6, Apr 76

The association of economic status with the occurrence of lung cancer. Brown SM, et al. **Cancer** 36(5):1903–11, Nov 75

Comments on the epidemiology of large bowel cancer. Correa P. **Cancer Res** 35(11 Pt. 2):3395–7, Nov 75

Future inquiries into the epidemiology of gastric cancer. Graham S, et al. **Cancer Res** 35(11 Pt. 2):3464–8, Nov 75

Mortality by socioeconomic levels. Steahr TE. **Conn Med** 40(8):553–5, Aug 76

Cancer mortality in New York City for country–of–birth, religious, and socioeconomic groups. Seidman H. **Environ Res** 4(5):390–429, Nov 71

Symbiotic relationship of high fertility, high childhood mortality and socio–economic status in an urban Peruvian population. Frisancho AR, et al. **Hum Biol** 48(1):101–11, Feb 76

The effects of social and economic background on the hospitalization of children during the first five years of life. pp. 443–8. Rantakallio P, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Cardiotoxic effects of emotional, socioeconomic, and environmental stresses. Raab W. **Recent Adv Stud Cardiac Struct Metab** 1:707–13, 1972

The influence of social factors in expectations of pain associated with osteoarthritis. Gerson LW, et al. **Scand J Rheumatol** 4(3):139–43, 1975

[Obesity in a population sample from the central Bohemian region—prevalence and relationship with income and occupation] Kotátková E. **Cesk Zdrav** 24(1):26–31, Jan 76 (Eng. Abstr.) **(Cze)**

[Socioeconomic conditions among patients Copenhagen's public health physicians in 1975. Social strata and housing conditions] Boisen E. **Ugeskr Laeger** 138(27):1663–9, 28 Jun 76 (Eng. Abstr.) **(Dan)**

[Social supportive measures in urinary incontinence and urostomy] Hebjorn S, et al. **Ugeskr Laeger** 137(50):3003–6, 8 Dec 75 (Eng. Abstr.) **(Dan)**

[Paradoxical development of certain parasitoses linked with social and economic evolution] Doby JM. **Ann Pharm Fr** 33(12):711–21, Dec 75 (Eng. Abstr.) **(Fre)**

[Social consequences of schizophrenia] Vogel T, et al. **Nervenarzt** 46(10):569–75, Oct 75 **(Ger)**

[Social histories of female abusers of phenacetin–containing analgesics] Ettlin C, et al. **Soz Praeventivmed** 20(5):240–1, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Social medicine aspects in pregnancy interruption] Fritsche U, et al. **Z Aerztl Fortbild (Jena)** 69(21):1131–6, 1 Nov 75 **(Ger)**

[Evaluation of socioeconomic and clinical factors in the determination of perinatal risk] Bompiani A, et al. **Minerva Pediatr** 28(3):130–8, 4 Feb 76 **(Ita)**

[Social status and use of vitamin preparations, iron preparations and drugs] Christie V. **Tidsskr Nor Laegeforen** 95(22):1216–8, 10 Aug 75 (Eng. Abstr.) **(Nor)**

[Socioeconomic structure, morbidity and mortality] Imhof AE. **Tidsskr Nor Laegeforen** 96(5):278–82, 20 Feb 76 (Eng. Abstr.) **(Nor)**

[Effects of socioeconomic factors on the rate of physical development. II. The role of the rate of maturation] Mularczyk–Bal M. **Rocz Panstw Zakl Hig** 27(1):105–10, 1976 (Eng. Abstr.) **(Pol)**

[Social–hygienic aspects of the gynaecologic morbidity rate] Antropova VG. **Gig Sanit** (12):56–60, Dec 75 **(Rus)**

[Social–economic problems of hygiene of the environment] Izmerov NF, et al. **Gig Sanit** (5):57–62, May 75 **(Rus)**

SOCIOENVIRONMENTAL THERAPY

Adolescent drug abuse: etiological and treatment considerations. Amini F, et al. **Adolescence** 11(42):281–99, Summer 76 (33 ref.)

Therapeutic process with adolescents at Anneewakee. Stewart H, et al. **Adolescence** 11(42):213–6, Summer 76

Situation/transition groups: a conceptualization and review. Schwartz MD. **Am J Orthopsychiatry** 45(5):744–55, Oct 75

Soteria: an alternative to hospitalization for schizophrenia. Mosher LR, et al. **Curr Psychiatr Ther** 15:287–96, 1975

Sociotherapy and the prevention of relapse among schizophrenic patients: an artifact of drug? PP. 285–93. Hogarty GE, et al.

In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.

The lounge: treatment for chronic schizophrenics. Parras A. **Schizophrenia Bull** (10):93–6, Fall 74

[Possibilities of psycho- and sociotherapy] Isermann H. **Med Welt** 27(2):81–6, 9 Jan 76 **(Ger)**

[Possibilities of psychoprophylaxis in epilepsy] Bilikiewicz A. **Neurol Neurochir Pol** 10(2):127–33, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Neuroleptics, schizophrenia and institutional therapy] Aldama de Llano JM. **Actas Luso Esp Neurol Psiquiatr** 3(3):181–8, May–Jun 75 (Eng. Abstr.) **(Spa)**

METHODS

[Drugs and situational therapy—application of drug therapy] Suzuki R. **Psychiatr Neurol Jpn** 76(10):680–5, 25 Oct 74 **(Jpn)**

SOCIOLOGY

see related
GROUP PROCESSES

Alternative theories in the study of slavery, the concentration camp, and personality. Guterman SS. **Br J Sociol** 26(2):186–202, Jun 75

Research methodology in the sociology of sport. Loy JW, et al. **Exerc Sport Sci Rev** 2:289–333, 1974 (217 ref.)

Sociology and nutrition. Cépède M. **Food Nutr (Roma)** 1(2):8–10, 1975

Establishing professional standards: ecologists and the public interest. Nelkin D. **Hastings Cent Rep** 6(1):38–44, Feb 76

Social theory and medicine. Waitzkin H, et al. **Int J Health Serv** 6(1):9–23, 1976

The new wilderness. Howard JA. **J Am Coll Dent** 43(1):15–22, 32, Jan 76

Time for a change: from micro- to macro-sociological concepts in disability research. Bynder H, et al. **J Health Soc Behav** 17(1):45–52, Mar 76

Medical anthropology: some contrasts with medical sociology. Foster GM. **Soc Sci Med** 9(8–9):427–32, Aug–Sep 75

Convergences and divergences: anthropology and sociology in health care. Olesen VL. **Soc Sci Med** 9(8–9):421–5, Aug–Sep 75

[Antipsychiatry (author's transl)] Chromý K. **Cesk Psychiatr** 71(4):251–8, Aug 75 (Eng. Abstr.) **(Cze)**

[What medicine owes to sociology?] von Ferber C. **Hippokrates** 47(3):199–211, Aug 76 **(Ger)**

[Social consequences of disease. The social definition of disease] Schmädel D. **Ther Ggw** 114(10):1581–96, Oct 75 **(Ger)**

[Significance of the subjective factor in medical sociology] Löffler A. **Z Gesamte Hyg** 22(7):528–30, Jul 76 (Eng. Abstr.) **(Ger)**

[Role of sociology in epidemiologic studies] Słońska Z. **Przegl Epidemiol** 29(3):367–72, 1975 (Eng. Abstr.) **(Pol)**

EDUCATION

Linked appointments for medical sociologists. Hannay DR. **Br J Med Educ** 10(3):213–4, May 76

A medical sociology course in a revised curriculum. McEwen J, et al. **Br J Med Educ** 9(4):236–43, Dec 75

Southampton: the first years. III—Epidemiology, psychology, and sociology. Waters WE, et al. **Br Med J** 2(6027):95–7, 10 Jul 76

Linked appointments for medical sociologists. Hannay DR. **Med Educ** 10(3):213–4, May 76

[Behavioural sciences in basic medical education] Dalgard OS. **Nord Med** 91(1):5–7, Jan 76 (Eng. Abstr.)

Teaching behavioural science in Canadian medical schools. Cohen R, et al. **Soc Sci Med** 10(1):23–7, Jan 76

SOCIOMETRIC TECHNICS

Editorial: Social trends. **Br Med J** 1(6003):178, 24 Jan 76

The Pupil Evaluation Inventory. A sociometric technique for assessing children's social behavior. Pekarik EG, et al. **J Abnorm Child Psychol** 4(1):83–97, 1976

[Quantification, measuring and scaling in the social research (author's transl)] Drdková S. **Sb Lek** 78(3):53–6, Mar 76 (Eng. Abstr.) **(Cze)**

[On the usefulness of cohesion and tension-measurements in sociometric tests] Jenkner E, et al. **Psychother Med Psychol (Stuttg)** 26(1):12–22, Jan 76 (Eng. Abstr.) **(Ger)**

[The development of social-hygienic methods] Renker K, et al. **Z Gesamte Hyg** 22(5):305–9, May 76 (Eng. Abstr.) **(Ger)**

[Use of sociometric technics in small military groups] Cirone M. **Minerva Med** 66(87):4673–9, 19 Dec 75 **(Ita)**

[Informal organization: sociometrical analysis of a hospital administration course] Bobenrieth M, et al. **Bol Of Sanit Panam** 80(5):435–44, May 76 **(Spa)**

METHODS

Sociologic study of food habits—a review. I. Diversity in diet and scalogram analysis. Hertzler AA, et al. **J Am Diet Assoc** 69(4):377–81, Oct 76

SOCIOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY**

SOCIOSYNTONIC PERSONALITY DISORDERS see under **ANTISOCIAL PERSONALITY**

SODIUM

see related
HYPERNATREMIA
HYPONATREMIA
NATRIURESIS

An estimation of mineral losses through arm sweat of preadolescent children. Harrison ME, et al. **Am J Clin Nutr** 29(8):842–6, Aug 76

Salt induced deprotonation of initially salt-free transfer RNA. Augustyniak J, et al. **Biochem Biophys Res Commun** 68(3):746–53, 9 Feb 76

Nuclear magnetic relaxation of 23Na and 7Li ions in polyphosphate solutions. Kielman HS, et al. **Biophys Chem** 4(1):103–11, Jan 76

A model for the stimulation of taste receptor cells by salt. DeSimone JA, et al. **Biophys J** 16(8):869–81, Aug 76

Na+ effects on transition of DNA and polynucleotides of variable linear charge density. Record MT Jr, et al. **Biopolymers** 15(5):893–915, May 76

Effect of various sterols on the 22Na permeability and fluidity of phospholipid bilayer membranes. Singer MA, et al. **Can J Physiol Pharmacol** 53(6):1065–71, Dec 75

Isolation of sodium-complexing polypeptides from mammalian blood and cardiac muscle. Hickling MJ, et al. **Experientia** 32(5):554–5, 15 May 76

Molecular orbital calculations on ATP & ADP: part II—A comparison of the role of external cations Mg2+, Ca2+, Na+. Kothekar V, et al. **Indian J Biochem Biophys** 11(3):259–62, Sep 74

Influence of monovalent and divalent electrolytes on sorption of neomycin sulfate to attapulgite and montmorillonite clays. McGinity JW, et al. **J Pharm Sci** 64(9):1566–8, Sep 75

Proceedings: Na-dependent phosphate transport in cultured cells. Brown KD, et al. **J Physiol (Lond)** 251(1):58P–59P, Sep 75

Proceedings: Intrarenal distribution of blood flow in the rat measured by 86Rb uptake and the effects of high- and low-sodium diets. Cambridge D, et al. **J Physiol (Lond)** 258(1):36P–37P, Jun 76

Proceedings: The failure of peripheral renin-angiotensin activation to induce sodium appetite. Fitzsimons JT, et al. **J Physiol (Lond)** 251(1):31P–33P, Sep 75

Letter: Posture and salt intake affect study. Giangiacomo J. **Pediatrics** 56(3):487, Sep 75

Changes of sodium appetite during the estrous cycle of sheep. Michell AR. **Physiol Behav** 14(2):223–6, Feb 75

Effect of sodium intake on aldosterone and corticosterone production, the serum sodium concentration and body weight in infant rats during weaning period. Erdösová R, et al. **Physiol Bohemoslov** 25(1):1–6, 1976

Effects of tetraalkylammonium salts on Brdička and presodium curréents of bovine-serum albumin. Kolthoff IM, et al. **Proc Natl Acad Sci USA** 72(8):2863–7, Aug 75

Water, sodium, potassium, and electrolyte balance. Krehl WA. **Prog Food Nutr Sci** 1(10):669–91, 1975

[Use of glucagon in small doses and reinfusion of desalted and concentrated ascitic fluid in the therapy of refractory cardiac decompensation] Vancini B, et al. **Boll Soc Ital Cardiol** 19(4):401–7, 1974 (Eng. Abstr.) **(Ita)**

[Importance of the sodium content of the dialytic fluid in periodic hemodialysis. Data on the behavior of arterial pressure, corporeal sodium pattern and the plasma renin activity in some hypertensive, chronic uremic patients treated with dialysis with a bath with varying sodium content] Romagnoli GF, et al. **Minerva Nefrol** 22(4–5):205–11, Jul–Oct 75 (Eng. Abstr.) **(Ita)**

[Protein and some electrolyte requirements in patients with polycythemia vera] Hasik J, et al. **Pol Arch Med Wewn** 55(4):331–41, 1976 (Eng. Abstr.) **(Pol)**

[Biochemical changes in the saliva] Buţureanu E, et al. **Rev Chir [Stomatol]** 22(4):257–62, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Concentrating ability of the gallbladder: a comparative study in some vertebrate species (author's transl)] Esteller A, et al. **Rev Esp Fisiol** 31(2):91–4, Jun 75 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Oral rehydration in acute gastro-enteritis in young children. Naik NV, et al. **Indian Pediatr** 13(2):127–33, Feb 76

Fluoride in dog parotid saliva after intravenous administration of sodium fluoride, sodium monofluorophosphate, and calcium fluoride. Feller RP, et al. **J Dent Res** 54(6):1213–5, Nov–Dec 75

Effects of intracarotid or intraruminal injections of NaCl or NaHCO3 on sodium appetite in goats. Baldwin BA. **Physiol Behav** 16(1):59–66, Jan 76

[New aspects of acidosis management in neurosurgical pediatrics] Argyropoulos G, et al. **Wien Med Wochenschr** 125(13):206–8, 28 Mar 75 **(Ger)**

[Renal response to intravenous administration of sodium bicarbonate in newborn infants of different gestational ages] Jasso-Gutiérrez L, et al. **Bol Med Hosp Infant Mex** 33(1):11–20, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Iatrogenic hyperosmolality in critically ill low-birth-weight infants. Horváth M, et al. **Acta Paediatr Acad Sci Hung** 16(3–4):231–42, 1975

ANALYSIS

Study of some minerals in normal Egyptian scalp hair. Aal HA, et al. **Acta Derm Venereol (Stockh)** 56(1):55–60, 1976

Distribution of sodium, potassium and lithium in the brain of lithium-treated rats. Edelfors S. **Acta Pharmacol Toxicol (Kbh)** 37(5):387–92, Nov 75

Letters to the editor: Salt substitutes. Oexmann-Wannamaker MJ. **Am J Clin Nutr** 29(6):599, Jun 76

ECS, intracellular pH, and electrolytes of cardiac and skeletal muscle. Poole-Wilson PA, et al. **Am J Physiol** 229(5):1299–1304, Nov 75

An evaluation of Na+, C1- and pH ion-specific electrodes in the study of the electrolyte contents of epidermal transudate and sweat. Grice K, et al. **Br J Dermatol** 92(5):511–8, May 75

The distribution within the placenta, myometrium, and decidua of 24Na-labelled hypertonic saline solution following intra-amniotic or extra-amniotic injection. Gustavii B. **Br J Obstet Gynaecol** 82(9):734–9, Sep 75

The Na+, K+, Cl- contents and derived membrane potentials of presynaptic nerve endings in vitro. Campbell CW. **Brain Res** 101(3):594–9, 23 Jan 76

Electron probe measurements of cortico-medullary gradients of sodium and chlorine in diuretic and antidiuretic kidneys. p. 173. Koepsell H, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

The art of making small glass electrodes. pp. 131–5. Hebert NC, et al. **In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.**

Four-barrelled microelectrode for the measurement of potassium-, sodium- and calcium-ion activities. pp. 136–40. Kessler M, et al. **In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.**

Construction and properties of recessed-tip micro-electrodes for sodium and chloride ions and pH. pp. 141–8. Thomas RC. **In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.**

Ion-selective liquid ion exchanger microelectrodes. pp. 116–8. Walker JL. **In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.**

Inorganic phosphate, potassium and sodium in erythrocytes and in plasma of blood conserved in the presence of adenosine and dipyridamole. pp. 467–71. Zachara B, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

Analysis of muscle biopsies for sodium, chlorine, potassium and phosphorus by neutron activation. Batra GJ, et al. **Int J Appl Radiat Isot** 27(5–6):267–71, May–Jun 76

Biological strandard for electron microprobe analysis of intracellular sodium concentration. Sottiurai VS, et al. **J Histochem Cytochem** 24(6):749–51, Jun 76

Electrolyte values of sweat obtained by local and whole body collection methods in cystic fibrosis patients. Cohen LF, et al. **J Pediatr** 89(3):430–3, Sep 76

Proceedings: The distribution of Na, K and Cl in Bufo bufo oocytes measured by electron microprobe analysis. Dick DA. **J Physiol (Lond)** 258(2):102P–103P, Jun 76

Proceedings: A double-barrelled Na+-sensitive micro-electrode. Zeuthen T. **J Physiol (Lond)** 254(1):8P–9P, Jan 76

K and Na ion content in the Pacinian corpuscle fluid and its role in the activity of receptors. Ilyinsky OB, et al. **Pflugers Arch** 361(3):279–85, 24 Feb 76

NMR in cancer. VII. Sodium-23 magnetic resonance of normal and cancerous tissues. Goldsmith M, et al. **Physiol Chem Phys** 7(3):263–9, 1975

Subcellular distribution of cations in rat atrial cardiocytes. Theron JJ, et al. **S Afr J Med Sci** 39(4):157–67, 1974

[Quantitative K and Na levels in different parts of the heart in cases of sudden death from coronary disease, acquired heart valve defects and violent death] Radanov S, et al. **Vutr Boles** 15(2):35–43, 1976 (Eng. Abstr.) **(Bul)**

[Determination electrolytes in sweat] Plachý V, et al. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1–2):15–8, 1974 **(Cze)**

[Mineral content of various tissues in cattle. 4. Studies on dry matter, Ca, Mg, Na and K concentration in mucous membrane and muscle layer of various bovine gastrointestinal sections] Dittrich B, et al. **Arch Exp Veterinaermed** 29(2):171–9, 1975 (Eng. Abstr.) **(Ger)**

[Electron probe microanalysis determination of the corticomedullary gradient of sodium and chlorine in the rat kidney] Koepsell H, et al. **Verh Anat Ges** 68:683–8, 1974 **(Ger)**

[Determination of sodium and potassium in solutions less than 1 nanoliter, using helium glow photometer] Murayama Y, et al. **Folia Pharmacol Jpn** 71(8):753–5, Nov 75 **(Jpn)**

[Determination of sodium, potassium and magnesium in the

myocardium of experimental animals by atomic absorption spectrometry (author's transl)] Douzaki T, et al. **Jpn J Clin Pathol** 23(9):737–40, Sep 75 **(Jpn)**

[Sodium determination in nails of healthy children and children with mucoviscidosis by means of the neutron activation analysis method] Duchnowska A, et al. **Pediatr Pol** 50(8):963–9, Aug 75 (Eng. Abstr.) **(Pol)**

[Erythrocyte sodium and potassium concentrations and the degree of diabetes control] Gasińska T, et al. **Pol Tyg Lek** 31(27):1145–7, 5 Jul 76 (Eng. Abstr.) **(Pol)**

[Role of electrolytes in the evaluation of heart viability during preservation] Berezov VP, et al. **Eksp Khir Anesteziol** (4):6–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Neutron-activation analysis of the mineral composition of bones] Kalashnikov VM, et al. **Med Radiol (Mosk)** 20(7):82–6, Jul 75 (Eng. Abstr.) **(Rus)**

[A change in the concentration of potassium and sodium during early axolotl embryogenesis] Rott NN, et al. **Ontogenez** 6(1):93–5, 1975 (Eng. Abstr.) **(Rus)**

[A change in the concentration of potassium and sodium during early axolotl embryogenesis] Rott NN, et al. **Ontogenez** 6(1):93–5, 1975 (Eng. Abstr.) **(Rus)**

[Potassium and sodium content in the myocardium in fatal carbon monoxide poisoning] Maarova E. **Sud Med Ekspert** 18(4):39–40, Oct–Dec 75 **(Rus)**

[Measurement of the sodium ion concentration in biological fluids] Zotov VA, et al. **Veterinariia** (7):108–9, Jul 76 **(Rus)**

[Determination of the sodium, potassium, calcium and magnesium content in food] Aslanian NL, et al. **Vopr Pitan** (1):85–6, Jan–Feb 1975 **(Rus)**

[Distribution of sodium and potassium in avian skeletal muscles] Nesterov VP. **Zh Evol Biokhim Fiziol** 12(1):25–30, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Ascorbic acid, sodium and potassium content in juices and fruits produced in Venezuela] Chávez JF, et al. **Arch Latinoam Nutr** 25(3):291–9, Sep 75 (Eng. Abstr.) **(Spa)**

BLOOD

An influence of exercise of increasing intensity on aminotransferase activity and electrolyte level in red blood cells and blood serum in men with average and very high physical working capacity. Tomasik M. **Acta Physiol Pol** 27(2):149–56, Mar–Apr 76

Plasma osmolality, sodium, and urea in healthy breast-fed and bottle-fed infants in Newcastle upon Tyne. Dale G, et al. **Arch Dis Child** 50(9):731–4, Sep 75

Haemolysis in liver disease: relationship to erythrocyte membrane function, serum bilirubin concentration and plasma electrolyte disturbances. Powell LW, et al. **Aust NZ J Med** 6(1):3–6, Feb 76

Plasma potassium, sodium and chloride levels during and after exchange transfusion. Tan KL, et al. **Aust Paediatr J** 11(3):165–8, Sep 75

The ATP dependence of a ouabain-sensitive sodium efflux activated by external sodium, potassium and lithium in human red cells. Beaugé LA, et al. **Biochim Biophys Acta** 433(3):547–54, 21 May 76

Inhibition of cation cotransport by cholesterol enrichment of human red cell membranes. Wiley JS, et al. **Biochim Biophys Acta** 413(3):425–31, 16 Dec 75

The effect of diuretic treatment on red cell and plasma sodium concentration in patients with hepatic cirrhosis and ascites. Afifi F. **Biomedicine [Express]** 23(2):68–72, 28 Feb 75

Letter: Nuclear magnetic resonance of 23Na in suspensions of pig erythrocyte ghosts: a comment on the interpretation of tissue 23Na signals. Monoi H, et al. **Biophys J** 16(8):979–81, Aug 76

Effect of triamterene on leucocyte sodium and potassium levels in heart disease. Donaldson EK, et al. **Br Med J** 1(6020):1254–5, 22 May 76

Analysis of variation in automated determination of sodium, potassium and calcium ions in human serum. Bokelund H. **Clin Chem** 22(7):993–1000, Jul 76

Age and sex differences of sodium and potassium concentration in red blood cells. Nagaki J, et al. **Clin Chim Acta** 66(3):453–5, 2 Feb 76

The influence of viscosity on dilution methods. Its problems in the determination of serum sodium. Vader HL, et al. **Clin Chim Acta** 65(3):379–88, 15 Dec 75

Leucocyte sodium transport in uraemia. Edmondson RP, et al. **Clin Sci Mol Med** 49(3):213–6, Sep 75

The distribution of taurine, gamma-aminobutyric acid and inorganic ions between plasma and erythrocytes in flounder (Platichthys flesus) at different plasma osmolalities. Fugelli K, et al. **Comp Biochem Physiol [A]** 55(2a):173–7, 1976

Effect of propylthiouracil feeding on plasma Na+ and K+ levels in the chick (Gallus domesticus). Raheja KL, et al. **Comp Biochem Physiol [C]** 54(1):45–7, 1976

Abnormal relation of renin and sodium in hypertension. pp. 105–20. Brown JJ, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Complex formation of glycolytic metabolites with Mg2+, K+ and Na+, and the possible complex equilibrium distribution in human erythrocytes. pp. 317–9. Achilles W, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

Na-fluxes of erythrocytes in heart failure. pp. 433–6. Burck HC.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

Serum electrolyte studies in malnutrition. Kalra K, et al. **Indian Pediatr** 12(11):1135–40, Nov 75

Effect of exogenous ATP on sodium transport in mammalian red cells. Romualdez A, et al. **J Cell Physiol** 87(3):297–305, Mar 76

Alteration in intracellular sodium concentration and ouabain-sensitive ATPase in erythrocytes from hyperthyroid patients. Cole CH, et al. **J Clin Endocrinol Metab** 42(6):1056–63, Jun 76

Sodium activity of insect blood: physiological significance and relevance to the design of physiological saline. Treherne JE, et al. **J Exp Biol** 62(3):721–32, Jun 75

The use of ionophores of rapid loading of human red cells with radioactive cations for cation-pump studies. Sarkadi B, et al. **J Membr Biol** 26(4):357–70, May 76

Proceedings: An effect of respiratory ventilation on erythrocyte sodium. Mora JD, et al. **J Physiol (Lond)** 259(1):39P–40P, Jul 76

Plasma sodium concentration and sodium excretion in the anaesthetized dog. Nashat FS, et al. **J Physiol (Lond)** 254(1):183–202, Jan 76

The renal blood flow and the glomerular filtration rate of anaesthetized dogs during acute changes in plasma sodium concentration. Nashat FS, et al. **J Physiol (Lond)** 256(3):731–45, Apr 76

Proceedings: Effect of an autonomic ganglion blocking agent on plasma sodium concentrations in renal arteries and veins during sustained renal vein congestion. Fueki T, et al. **J Physiol Soc Jpn** 36(8–9):346–7, 1 Sep 74

Independent routes for Na transport across dog red cell membranes. Elford BC. **Nature** 256(5518):580–2, 14 Aug 75

Coupling of lithium to sodium transport in human red cells. Haas M, et al. **Nature** 258(5534):425–7, 4 Dec 75

Receptor function and ion transport in turkey erythrocytes. Gardner JD, et al. **Recent Prog Horm Res** 32:567–95, 1976 (61 ref.)

Increased erythrocyte Na+ pump and NaK-ATPase activity during lithium therapy. Hokin-Neaverson M, et al. **Res Commun Chem Pathol Pharmacol** 14(1):117–26, May 76

The action of hyperthermia upon gastric secretion and upon some plasmatic electrolytes in rats. Groza P, et al. **Rev Roum Morphol Physiol** 20(3):151–6, 1974

Proceedings: Cation content and transport in erythrocytes of normal and hypertensive Nigerians: a preliminary report. Aderounmu AF. **West Afr J Pharmacol Drug Res** 2(1):77P–78P, Jun 75

[Sodium, potassium and calcium in the blood serum during the menstrual cycle in women with genital tuberculosis] Ivanova Kh. **Akush Ginekol (Sofiia)** 14(4):293–8, 1975 (Eng. Abstr.) **(Bul)**

[Relationship of plasma renin activity and exchangeable sodium in various types of hypertension] Horký K, et al. **Vnitr Lek** 21(8):731–42, Aug 75 (Eng. Abstr.) **(Cze)**

[Study of sodium pump in erythrocytes with 22Na and 42K. I. Technics and results in normal people] Arnaud P, et al. **C R Soc Biol (Paris)** 169(2):345–9, 1975 (Eng. Abstr.) **(Fre)**

[Plasma Ca, Na, and K levels during the hibernation of hedgehogs, common dormice, and garden dormice] Hoo-Paris R, et al. **C R Soc Biol (Paris)** 169(4):946–53, 1975 (Eng. Abstr.) **(Fre)**

[Serum electrolytes during neuroleptic analgesia and spinal anaesthesia (author's transl)] Rupieper N, et al. **Anaesthesist** 24(10):455–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Correlations between blood pressure, body sodium/blood volume state and plasma renin in patients with terminal kidney insufficiency] Weidmann P, et al. **Schweiz Med Wochenschr** 105(51):1779–80, 20 Dec 75 (Eng. Abstr.) **(Ger)**

[Sodium transport as part of the erythrocyte membrane function] Burck HC. **Verh Dtsch Ges Inn Med** 81:823–5, 1975 **(Ger)**

[Erythrocyte electrolytes as parameters of an effective digitalization] Wessels F, et al. **Verh Dtsch Ges Inn Med** 81:1672–4, 1975 **(Ger)**

[The effect of 'standardized forced diuresis' (SFD) on serum and urinary electrolytes(author's transl)] Kleinberger G, et al. **Wien Klin Wochenschr** 88(14):449–53, 16 Jul 76 **(Ger)**

[Spirometric and biochemical changes in athletes who practice rowing. IV. Biochemical changes in basal conditions and after intense activity] Graziadei L, et al. **Boll Soc Ital Biol Sper** 50(23–24):2024–7, 30 Dec 74 **(Ita)**

[Indices of cell damage in acute CO poisoning] Lorè C, et al. **Boll Soc Ital Biol Sper** 51(14):878–82, 30 Jul 75 **(Ita)**

[Sodium and potassium concentrations in the red blood cells from healthy persons (author's transl)] Nagaki J, et al. **Jpn J Clin Pathol** 23(9):717–21, Sep 75 **(Jpn)**

[Studies on the determination of sodium and potassium in red blood cells and its clinical significance (author's transl)] Nagaki J. **Jpn J Clin Pathol** 24(2):89–94, Feb 76 **(Jpn)**

[Influence of encortone and desoxycortone acetate on some elements of gastric juice , blood serum and urine in young people (author's transl)] Kozak J. **Ann Univ Mariae Curie Sklodowska [Med]** 30:181–90, 1975 (Eng. Abstr.) **(Pol)**

[Electrochemical blood properties in epileptic children] Bichoński R. **Neurol Neurochir Pol** 10(2):249–54, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Effects of intravenous dehydrobenzperidol and phentanyl in premedication on serum sodium and potassium concentrations] Skolimowski J, et al. **Wiad Lek** 29(1):7–10, 1 Jan 76 (Eng. Abstr.) **(Pol)**

[Influence of some antifeine derivatives on the acid–base properties and the electrolyte balance of the blood] Bogoslovskaia SI. **Farmakol Toksikol** 38(4):453–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of anti-arrhythmia agents on electrolyte metabolism] Bogoliubov VM, et al. **Kardiologiia** 16(1):53–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Effect of neuroleptic drugs on the blood level of potassium and sodium in children with severe forms of acute intestinal infectious diseases] Krasovitskii ZI. **Pediatriia** (6):53–4, Jun 75 **(Rus)**

[Urinary aldosterone excretion and erythrocyte and plasma sodium and potassium ion concentration in persons of different ages] Svechnikova NV, et al. **Probl Endokrinol (Mosk)** 22(1):26–30, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in certain indicators of hemodynamics, acid–base equilibrium and electrolytes in burns] Vinogradova OI, et al. **Sov Med** (1):132–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Changes in the sodium, potassium and calcium concentration in the blood of chickens] Arsen'ev IUI, et al. **Veterinariia** (4):97–9, Apr 76 **(Rus)**

[Dynamics of the level of sodium and calcium electrolytes in the organisms of patients with deforming arthroses of the hip joint under the influence of the Dzhermuk therapeutic Health Resort complex] Agadzhanian GI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):505–8, Nov–Dec 75 **(Rus)**

[Effects of electroconvulsive shock on rénin activity and plasma electrolytes] Jimeno Carruéz A, et al. **Rev Clin Esp** 139(4):309–12, 30 Nov 75 (Eng. Abstr.) **(Spa)**

[Plasma sodium and potassium after electroshock and bleeding in rabbits] Jimeno Carruéz A, et al. **Rev Clin Esp** 139(5):403–5, 15 Dec 75 (Eng. Abstr.) **(Spa)**

[Changes in the electric conductivity and electrolyte composition of the blood plasma of rats with emotional-stress conditions] Chernychenko LL. **Fiziol Zh** 21(3):367–70, May–Jun 75 (Eng. Abstr.) **(Ukr)**

CEREBROSPINAL FLUID

Attenuation of dehydrative thirst by lowering of the CSF (Na+). Olsson K. **Acta Physiol Scand** 94(4):536–8, Aug 75

[Study of various cations in cerebrospinal fluid in convulsions] Ojeda Ortego J, et al. **Rev Clin Esp** 141(4):367–71, 31 May 76 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Cause and management of high volume output salt-depleting ileostomy. Hill GL, et al. **Br J Surg** 62(9):720–6, Sep 75

Duodenal calcium-binding-protein (CaBP) in the sodium deficient growing rat. Thomasset M, et al. **Calcif Tissue Res** 21 Suppl:39–44, Aug 76

A morphometric study on the pars intermedia of the hypophysis during impairment of the renin-angiotensin-aldosterone system in sodium depleted mice. Kobayashi Y, et al. **Cell Tissue Res** 168(2):153–9, 6 May 76

Response of aldosterone and blood pressure to angiotensin II infusion in anephric man. Effect of sodium deprivation. Deheneffe J, et al. **Circ Res** 39(2):183–90, Aug 76

Selective inhibition by des-1-Asp-8-Ile-angiotensin ii of the steroidogenic response to restricted sodium intake in the rat. Sarstedt CA, et al. **Circ Res** 37(3):350–8, Sep 75

Salt (sodium) deficiency in dairy cattle: polyuria and polydipsia as prominent clinical features. Whitlock RH, et al. **Cornell Vet** 65(4):512–26, Oct 75

A benign type of severe chronic renal failure. Abu-Asha H, et al. **East Afr Med J** 53(2):104–10, Feb 76

Effect of angiotensin II analogues on aldosterone secretion in sodium-deficient sheep. pp. 441–59. Blair-West JR, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Failure of sodium- and calcium-deficient rats to acquire conditioned taste aversions to the object of their specific hunger. Frumkin K. **J Comp Physiol Psychol** 89(4):329–39, Jun 75

Electrolyte metabolism of muscle in the salt-losing form of congenital adrenal hyperplasia. Nichols BL, et al. **J Pediatr** 87(3):400–8, Sep 75

The composition and flow of parotid saliva during acute hyperkalaemia in sodium-deficient sheep. Beal AM, et al. **Q J Exp Physiol** 60(4):315–23, Oct 75

Effects of low sodium on myocardium of human and other species. Penefsky ZJ, et al. **Recent Adv Stud Cardiac Struct Metab** 4:31–9, 1974

[Effect of sodium deprivation on the isolated guinea pig ileum in a physiological medium or in the presence of scorpion venom] Tazieff-Depierre F, et al. **C R Acad Sci [D] (Paris)** 282(14):1375–8, 5 Apr 76 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

[A new modified method for the determination of serum iron and copper (diagnotestor-FC) by the use of EDTA-2 Na (author's transl)] Murata K, et al. **Jpn J Clin Pathol** 23(4):297-9, Apr 75 **(Jpn)**

METABOLISM

Choleretic effect of vasoactive intestinal peptide. Thulin L, et al. **Acta Chir Scand** 142(3):235-7, 1976

The permeability and barrier functions of the oral mucosa with respect to water and electrolytes. Studies of the transport of water, sodium and potassium through the human mucosal surface in vivo. Kaaber S. **Acta Odontol Scand [Suppl]** 32(66):3-47, 1974

Analysis of curves Na-24 efflux from membrane labyrinth containing stria vascularis. Mnich Z. **Acta Otolaryngol (Stockh)** 80(1-2):111-5, Jul-Aug 75

Effect of bendroflumethiazide on Na+ and Ca++ transport in rat and guinea pig jejunum. Jorgensen FS, et al. **Acta Pharmacol Toxicol (Kbh)** 39(1):1-6, Jul 76

The effect of some ionized and neutral surfactants and bile acids upon sodium and water transport from tied jejunal loops in anaesthetized rats. Sund RB. **Acta Pharmacol Toxicol (Kbh)** 37(4):297-308, Oct 75

The effect of dodecylsulphate upon net sodium and water transport from tied jejunal loops in anaesthetized rats. Sund RB. **Acta Pharmacol Toxicol (Kbh)** 37(4):282-96, Oct 75

Effect of a competitive antagonist (8-leu-angiotensin II) of angiotensin II on sodium and water transport in toad skin. Coviello A, et al. **Acta Physiol Lat Am** 24(5):409-13, 1974

A study on the stimulus for compensatory renal hypertrophy. De Muchnik EE. **Acta Physiol Lat Am** 24(4):336-45, 1974

The effect of hypertonic urea solution on Na+ and K+ transport through the smooth muscle membrane. Citko A, et al. **Acta Physiol Pol** 26(4):419-28, Jul-Aug 75

Processes for sodium permeability inactivation in the myelinated nerve fibre of the frog (Xenopus laevis). Brismar T. **Acta Physiol Scand** 97(2):258-60, Jun 76

Pathways for chloride and sodium transport across toad skin. Bruus K, et al. **Acta Physiol Scand** 97(1):31-47, Mar 76

Effects of stimulation of nonmedullated cardiac afferents on renal water and sodium excretion. Wennergren G, et al. **Acta Physiol Scand** 97(2):261-3, Jun 76

Effects of ethanol on electrolyte metabolism and neurotransmitter release in the CNS. Israel Y, et al. **Adv Exp Med Biol** 59:55-64, 1975

Tubular functions studied by microperfusion of isolated renal tubules. Abramow M. **Adv Nephrol** 3:275-88, 1974

Sodium and water: an overview. Papper S. **Am J Med Sci** 272(1):43-51, Jul-Aug 76

Further studies on coupling between sodium transport and respiration in toad urinary bladder. Beauwens R, et al. **Am J Physiol** 231(1):222-7, Jul 76

Effects of amphotericin B on ionic transport and sodium permeability of the toad lens. Bentley PJ, et al. **Am J Physiol** 229(6):1520-5, Dec 75

Intestinal mucosal cyclic GMP: regulation and relation to ion transport. Brasitus TA, et al. **Am J Physiol** 231(1):275-82, Jul 76

Renal tubular reabsorptive response to hypernatremia. Bresler EH, et al. **Am J Physiol** 231(2):642-9, Aug 76

Electrogenic sodium pumping in rabbit small intestinal smooth muscle. El-Sharkawy TY, et al. **Am J Physiol** 229(5):1277-86, Nov 75

Effects of theophylline on Na and alanine transport across isolated rabbit ileum. Fromm D, et al. **Am J Physiol** 229(3):683-8, Sep 75

Effects of salicylate and bile salt on ion transport by isolated gastric mucosa of the rabbit. Fromm D, et al. **Am J Physiol** 230(2):319-26, Feb 76

Ouabain-mediated sodium uptake and bile formation by isolated perfused rat liver. Graf J, et al. **Am J Physiol** 230(4):876-85, Apr 76

Ionic requirements of proximal tubular sodium transport. I. Bicarbonate and chloride. Green R, et al. **Am J Physiol** 229(5):1205-15, Nov 75

Ionic requirements of proximal tubular sodium transport. II. Hydrogen ion. Green R, et al. **Am J Physiol** 229(5):1216-26, Nov 75

Determination of the ENa of from skin from studies of its current-voltage relationship. Helman SI, et al. **Am J Physiol** 229(4):947-51, Oct 75

Dopamine-induced dissociation between renal metabolic rate and sodium reabsorption. Johannesen J, et al. **Am J Physiol** 230(4):1126-31, Apr 76

Mineralocorticoid activity of 18-OH-DOC and DOCA in dogs with an aortic-caval fistula. Lohmeier TE, et al. **Am J Physiol** 231(1):56-60, Jul 76

alpha- and beta-adrenergic receptors in regulation of ionic transport in frog cornea. Montoreano R, et al. **Am J Physiol** 230(6):1487-93, Jun 76

Ion transport and structure of urinary bladder epithelium of Amphiuma. Mullen TL, et al. **Am J Physiol** 231(2):501-8, Aug 76

Influence of vasopressin and amiloride on shunt pathways of frog skin. O'Neil R, et al. **Am J Physiol** 231(1):164-73, Jul 76

Permeability of dog lung endothelium to sodium, diols, amides, and water. Perl W, et al. **Am J Physiol** 230(6):1708-21, Jun 76

Characteristics of sodium and potassium transport in the lung. Sayeed MM, et al. **Am J Physiol** 229(4):1073-9, Oct 75

Effect of parathyroid hormone secretion on sodium reabsorption by the proximal tubule. Schneider EG. **Am J Physiol** 229(5):1170-3, Nov 75

Heavy metal-induced alterations in ion transport by turtle urinary bladder. Schwartz JH, et al. **Am J Physiol** 230(6):1582-9, Jun 76

Aldosterone and insulin effects on driving force of Na+ pump in toad bladder. Siegel B, et al. **Am J Physiol** 230(6):1603-8, Jun 76

Potassium adaptation and Na-K-ATPase activity in mucosa of colon. Silva P, et al. **Am J Physiol** 229(6):1576-9, Dec 75

Thiocyanate inhibition of ATPase and its relationship to anion transport. Solomon RJ, et al. **Am J Physiol** 229(3):801-6, Sep 75

Electrolyte transport in remnant kidney of the dog: effect of furosemide. Wen SF, et al. **Am J Physiol** 230(5):1231-8, May 76

Active transport of Na+ and Cl- across the canine tracheal epithelium in vitro. Olver RE, et al. **Am Rev Respir Dis** 112(6):811-5, Dec 75

The effect of halothane on active transport of sodium in the epithelial cell. Szulc R, et al. **Anaesth Resusc Intensive Ther** 3(4):279-83, Oct-Dec 75

Currents associated with the ionic gating structures in nerve membrane. Armstrong CM. **Ann NY Acad Sci** 264:265-77, 30 Dec 75

Reconstitution of active transport by kidney and brain (Na+ + K+)-ATPase. Goldin SM, et al. **Ann NY Acad Sci** 264:387-97, 30 Dec 75

Specific chemical groups involved in the control of ionic conductance in nerve. Shrager P. **Ann NY Acad Sci** 264:293-303, 30 Dec 75

Interrelations of renin, angiotensin II, and sodium in hypertension and renal failure. Gavras H, et al. **Annu Rev Med** 27:485-521, 1976 (296 ref.)

Mass transport across cell membranes: the effects of antidiuretic hormone on water and solute flows in epithelia. Andreoli TE, et al. **Annu Rev Physiol** 38:451-500, 1976 (261 ref.)

Gating in sodium channels of nerve. Hille B. **Annu Rev Physiol** 38:139-52, 1976 (68 ref.)

The accumulation ratio of K+, Na+, Ca2+ and tetrapropylammonium in steady-state Mitochondria. Massari S, et al. **Arch Biochem Biophys** 173(1):332-40, Mar 76

Mg2+ and the permeability of heart mitochondria to monovalent cations. Wehrle JP, et al. **Arch Biochem Biophys** 174(1):313-23, May 76

Monensin's activity in sodium-potassium transport in the skin of frogs. Membrane potentials. Martínez Larrañaga MR, et al. **Arch Farmacol Toxicol** 1(2):111-24, Aug 75

Ionic regulation of the haemolymph in the larvae of the dragonfly Aeshna cyanea (Müller) (Odonata, Anisoptera). Moens J. **Arch Int Physiol Biochim** 83(3):443-51, Aug 75

Quantitative measurement of the influence of plasma sodium concentration on the overall tubular reabsorption of sodium. Nizet A. **Arch Int Physiol Biochim** 83(3):453-9, Aug 75

Proceedings: Incomplete inhibition of sodium transport-related aerobic metabolism upon exposure of guinea pig renal cortex slices to ouabain. Noé G, et al. **Arch Int Physiol Biochim** 83(2):343-5, May 75

Changes in the water and sodium permeability of amphibian skin in the presence of the efferent plasma of 'dehydrated dog kidney'. Tost H, et al. **Arch Int Physiol Biochim** 83(4):691-8, Oct 75

Effect of prednisolone and salicyclic acid on ionic fluxes across the human stomach. Ivey KJ, et al. **Aust NZ J Med** 5(5):408-12, Oct 75

Early changes of 'leak flux' and the cation content of lymphocytes by concanavalin A. Averdunk R. **Biochem Biophys Res Commun** 70(1):101-9, 3 May 76

Coupled Na+ -K+ transport in vesicles containing a purified (NaK)-ATPase and only phosphatidyl choline. Hilden S, et al. **Biochem Biophys Res Commun** 69(2):521-7, 22 Mar 76

Reconstitution of an ATP-dependent sodium pump with an ATPase from electric eel and pure phospholipids. Racker E, et al. **Biochem Biophys Res Commun** 67(3):1144-50, 1 Dec 75

Sodium/proton antiport in brush-border-membrane vesicles isolated from rat small intestine and kidney. Murer H, et al. **Biochem J** 154(3):597-604, 15 Mar 76

Evidence for electronogenic sodium pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ plus K+)-ATPase. Augustus J. **Biochim Biophys Acta** 419(1):63-75, 8 Jan 76

The effect of ethanol on ion transport in frog skin. Boyett JD, et al. **Biochim Biophys Acta** 436(3):686-95, 1 Jul 76

Effect of the CO-2-bicarbonate buffer system on the water and ion contents of rat renal cortical slices. Cooke KR. **Biochim Biophys Acta** 437(1):280-8, 23 Jun 76

Stimulation of sodium and calcium uptake by scorpion toxin in chick embryo heart cells. Couraud F, et al. **Biochim Biophys Acta** 433(1):90-100, 16 Apr 76

Effect of ethyl acetate on the transport of sodium and glucose in the hamster small intestine in vitro. Esposito G, et al. **Biochim Biophys Acta** 426(3):489-98, 19 Mar 76

Sodium ion transport in isolated intestinal epithelial cells. II. Comparison of the effect of actively transported sugars on sodium ion efflux in cells isolated from jejunum and ileum. Gall DG, et al. **Biochim Biophys Acta** 419(2):314-9, 21 Jan 76

Defective ion regulation in a class of membrane-excitation mutants in Paramecium. Hansma HG, et al. **Biochim Biophys Acta** 436(1):128-39, 4 Jun 76

Permeability properties and intracellular ion concentrations of epithelial cells in rat duodenum. Okada Y, et al. **Biochim Biophys Acta** 436(1):15-24, 4 Jun 76

Barium inhibition of sodium ion transport in toad bladder. Ramsay AG, et al. **Biochim Biophys Acta** 436(3):617-27, 1 Jul 76

Evidence for a sodium ion exchange carrier linked with glucose transport across the brush border of a flatworm (Hymenolepis diminuta, Cestoda). Uglem GL. **Biochim Biophys Acta** 443(1):126-36, 4 Aug 76

PAH clearance, sodium excretion, and PAH extraction ratio in acidotic near-term lambs treated with hypertonic sodium bicarbonate. Phelps DL, et al. **Biol Neonate** 28(1-2):57-64, 1976

Renal tubular sodium reabsorption during the recovery from the oliguric phase of acute nephritis. Leme CE, et al. **Biomedicine [Express]** 23(3):92-6, 10 Apr 75

Evidence for ionic pores in excitable membranes. Armstrong CM. **Biophys J** 15(9):932-3, Sep 75

A possible mechanism for concentrating sodium and potassium in the cell nucleus. Moore RD, et al. **Biophys J** 16(5):527-33, May 76

Ion selectivity of carriers and channels. Mullins LJ. **Biophys J** 15(9):921-31, Sep 75

Further studies of activation-inactivation coupling in Myxicola axons. Insensitivity to changes in calcium concentration. Schauf CL, et al. **Biophys J** 15(11):1111-6, Nov 75

Comparison of net fluxes of Li and Na in vascular smooth muscle. Friedman SM. **Blood Vessels** 12(4):219-35, 1975

Proceedings: An attempt to measure the lifetime of sodium channels in transporting epithelia. Cuthbert AW, et al. **Br J Pharmacol** 55(2):250P, Oct 75

Proceedings: Stimulation and inhibition by ouabain of the sodium pump in guinea-pig atria. Ghysel-Burton J, et al. **Br J Pharmacol** 55(2):249P, Oct 75

The potential difference across the rectal mucosa during depressive illness and lithium therapy. Peet M. **Br J Psychiatry** 127:144-8, Aug 75

Long term changes in total body water, total exchangable sodium and total body potassium before and after ileostomy. Hill GL, et al. **Br J Surg** 62(7):524-7, Jul 75

Long-term synaptic facilitation during sodium accumulation in nerve terminals. Atwood HL, et al. **Brain Res** 100(1):198-202, 12 Dec 75

Alteration of sodium conductance of feline choroid plexus: effect of 2,4,6-triaminopyrimidine and tetrodotoxin. Eisenberg HM, et al. **Brain Res** 107(3):645-9, 14 May 76

The dependence of the blood to brain passage of radioactive sodium on blood pressure and temperature. Go KG, et al. **Brain Res** 93(2):329-36, 8 Aug 75

Sodium dependent tetrodotoxin-resistant action potentials in a leech neuron. Kleinhaus AL, et al. **Brain Res** 102(2):368-73, 6 Feb 76

A linked active transport system for Na+ and K+ in a glial cell line. Kukes G, et al. **Brain Res** 104(1):93-105, 5 Mar 76

The ionic basis of the membrane potential in a rat glial cell line. Kukes G, et al. **Brain Res** 104(1):71-92, 5 Mar 76

Diencephalic efflux of 22Na+ and 45Ca2+ ions in the febrile cat: effect of an antipyretic. Myers RD. **Brain Res** 103(2):412-7, 20 Feb 76

Long-term synaptic facilitation with minimal calcium entry. Swenarchuk LE, et al. **Brain Res** 100(1):205-8, 12 Dec 75

Possible correlation between protein D phosphorylation and membrane permeability changes to sodium ions in the toad bladder and its relationship to neuropharmacology. Delorenzo RJ. **Bull Parenter Drug Assoc** 29(5):250-60, Sep-Oct 75

Water, cations, and norepinephrine content of cardiovascular tissues of unilaterally nephrectomized dogs treated with deoxycorticosterone and NaCl. Constantopoulos G, et al. **Can J Physiol Pharmacol** 53(5):866-72, Oct 75

Evidence for sodium specificity of the receptors in the fourth cerebral ventricle affecting sodium excretion in the cat. Thornborough JR, et al. **Can J Physiol Pharmacol** 53(4):677-9, Aug 75

The cryptonephridial system in the mealworm Tenebrio molitor: transport of radioactive potassium, thallium and sodium; a functional and structural study. Koefoed BM. **Cell Tissue Res** 165(1):63-78, 29 Dec 75

Effect of surface-active agent on the active transport of sodium in frog skin. Futami T, et al. **Chem Pharm Bull (Tokyo)** 24(2):193-9, Feb 76

Comparative aspects of salt and water transport across lung. Keynes RD. **Ciba Found Symp** (38):125-32, 1976

Cell permeability, sodium transport, and the hypertensive process in the rat. Friedman SM, et al. **Circ Res** 39(3):433-41, Sep 76

Myocardial sodium extraction at varied coronary flows in the dog. Estimation of capillary permeability of residue and outflow detection. Guller B, et al. **Circ Res** 37(3):359-78, Sep 75

Renal blood flow and its response to angiotensin II. An interaction between oral contraceptive agents, sodium intake, and the renin-angiotensin system in healthy young women. Hollenberg NK, et al. **Circ Res** 38(1):35-40, Jan 76

The effects of altered sodium balance and adrenergic blockade on renin release induced in rats by angiotensin antagonism. Keeton TK, et al. **Circ Res** 38(6):531-9, Jun 76

Depressed function of a ouabain-sensitive sodium-potassium pump in blood vessels from renal hypertensive dogs. Overbeck HW, et al. **Circ Res** 38(6 Suppl 2):48–52, Jun 76

The use of electrolyte measurements in the detection of cystic fibrosis. Tárnoky AL, et al. **Clin Chim Acta** 69(3):505–13, 15 Jun 76

Relationship between body sodium and arterial pressure. Harris GS. **Clin Exp Pharmacol Physiol** Suppl 2:123–6, 1975

Interrelationship in humans between sodium intake and hypertension. Morgan T, et al.
Clin Exp Pharmacol Physiol Suppl 2:127–9, 1975

The effects of antihypertensive drugs on exchangeable sodium in the New Zealand strain of genetically hypertensive rats. Phelan EL, et al.
Clin Exp Pharmacol Physiol Suppl 2:137–40, 1975

The effect of external potassium concentration on leucocyte cation transport in vitro. Hilton PJ, et al.
Clin Sci Mol Med 49(5):385–90, Nov 75

The sodium-retaining effect of renal nerve activity in the cat: role of angiotensin formation. Johns EJ, et al.
Clin Sci Mol Med 51(1):93–102, Jul 76

A comparison on natriuresis after oral and intravenous sodium loading in sodium-depleted rabbits: evidence for a gastrointestinal or portal monitor of sodium intake. Lennane RJ, et al. **Clin Sci Mol Med** 49(5):433–6, Nov 75

A comparison of natriuresis after oral and intravenous sodium loading in sodium-depleted man: evidence for a gastrointestinal or portal monitor of sodium intake. Lennane RJ, et al. **Clin Sci Mol Med** 49(5):437–40, Nov 75

The effect of active immunization against aldosterone on the colonic potential response and sodium excretion in rabbits. Lennane RJ, et al. **Clin Sci Mol Med** 50(6):545–9, Jun 76

The relation between the excretion of sodium and water and the perfusion pressure in the isolated, blood-perfused, rabbit kidney, with special reference to changes occurring in clip-hypertension. Thompson JM, et al.
Clin Sci Mol Med 50(3):223–36, Mar 76

Letter: Sodium balance and responsiveness to angiotensin II. Tree M, et al. **Clin Sci Mol Med** 51(2):219, Aug 76

Properties of the sodium channel gating current. Bezanilla F, et al. **Cold Spring Harbor Symp Quant Biol** 40:297–304, 1975

Gating mechanism for the activation of the sodium conductance in nerve membranes. Rojas E.
Cold Spring Harbor Symp Quant Biol 40:305–20, 1975

Characteristics of vasopressin action on Na transport across the isolated toad skin. Huja BS, et al.
Comp Biochem Physiol [A] 53(2):187–91, 1976

Effects of ultimobranchialectomy on calcium and sodium concentrations of serum and coelomic fluid in bullfrog tadpoles under high calcium and high sodium environment. Sasayama Y, et al. **Comp Biochem Physiol [A]** 55(1):35–7, 1976

Absorption of sodium, potassium and water in the colon of the Norway lemming Lemmus lemmus (L.). Staaland H. **Comp Biochem Physiol [A]** 52(1):77–80, 1 Sep 75

Sodium uptake and loss in Crangonyx pseudogracilis (Amphipoda) and some other crustaceans. Sutcliffe DW. **Comp Biochem Physiol [A]** 52(1):255–7, 1 Sep 75

The effects of some herbicides and pesticides on sodium uptake by isolated perfused gills from the carp Cyprinus carpio. McBride RK, et al. **Comp Biochem Physiol [C]** 51(1):105–9, 1 Jun 75

Studies of the effect of ouabain, ethacrynic acid and photoxidation on cation and water balance of mammalian muscle. Parkin AC, et al. **Comp Biochem Physiol [C]** 55(1):11–6, 1976

Electrolytes in myocardial infarction. Lehr D.
Compr Ther 1(7):47–57, Nov 75

Mathematics of non-steady state uptake and release of Na in a frog skin epidermis model. Howell JR, et al.
Comput Biol Med 6(2):121–31, Apr 76

Response characteristics of a multicompartment frog skin epidermis model. Huf EG, et al. **Comput Biol Med** 6(2):133–48, Apr 76

Computer analysis of the Na+ shunt pathways in frog skin epidermis. Huf EG, et al. **Comput Biomed Res** 9(1):11–20, Feb 76

Substrate oxidation and inhibition of sodium transport in the isolated perfused rat kidney. Franke H, et al.
Curr Probl Clin Biochem 4:169–74, 1975

Lipid metabolism of the kidney: possible relations to sodium transport. Hohenegger M. **Curr Probl Clin Biochem** 4:150–6, 1975 (28 ref.)

Seasonal differences in drug- and temperature-dependent changes of the sodium transport across the isolated frog skin. Knapowski J, et al. **Curr Probl Clin Biochem** 4:188–95, 1975

Effect of ethacrynic acid on water transfer and sodium transfer across human peritoneal membrane. Knapowski J, et al. **Curr Probl Clin Biochem** 4:126–30, 1975

Metabolic requirement for sodium reabsorption in the perfused rat kidney. Ross BD, et al.
Curr Probl Clin Biochem 4:157–61, 1975

Influence of ouabain and ethacrynic acid on sodium transport and NaK-ATPase activity in the isolated perfused rat kidney. Schurek HJ, et al. **Curr Probl Clin Biochem** 4:162–8, 1975

Imidazole inhibits the effects of cyclic nucleotides on the active sodium transport. Szadujkis-Szadurski L.
Curr Probl Clin Biochem 4:229–33, 1975

The comparative evaluation of methoxyflurane and diethyl ether action upon an active sodium transport across isolated frog skin preparation. Szulc R, et al.
Curr Probl Clin Biochem 4:135–9, 1975

Observations on sodium retention related to insulin treatment of experimental diabetes. Blumenthal SA. **Diabetes** 24(7):645–9, Jul 75

Insulin and brain metabolism. Absence of direct action of insulin on K+ and Na+ transport in mouse brain. Thurston JH, et al. **Diabetes** 25(9):758–63, Sep 76

Muscle cell electrolytes in ulcerative colitis and Crohn's disease. Valentin N, et al. **Digestion** 13(5):284–90, 1975

The effects of estrogens on sodium and potassium metabolism in rats. Thornborough JR, et al. **Endocrinology** 97(6):1528–36, Dec 75

Role of sodium and potassium in aldosterone binding of kidney receptors in the rat. Hraschek A, et al.
Endokrinologie 64(3):311–5, 1975

On the mechanism of action of triamterene: effects on transport of Na+, K+, and H+/HCO3− −ions. Knauf H, et al. **Eur J Clin Invest** 6(1):43–50, 30 Jan 76

The effect of spironolactone on transport of Na+, K+ and H+. A microperfusion study in rat main submaxillary duct. Knauf H. **Eur J Clin Invest** 6(1):17–20, 30 Jan 76

Tubular Na, K-ATPase deficiency, the cause of the congenital renal salt-losing syndrome. Bierich JR, et al. **Eur J Pediatr** 121(2):81–7, 2 Jan 76

Lidoplazine and Na and K distribution in normo-and hypokalaemic rats. Carmeliet E, et al. **Eur J Pharmacol** 33(1):81–9, Aug 75

The masking role of the sodium pump and chloride ions on the effect of carbachol in- and outside the endplate region of rat diaphragm muscle. Mooij JJ, et al.
Eur J Pharmacol 37(2):275–82, Jun 76

Influence of chloride and sodium pump activity on carbachol- and acetylaholine-induced depolarizations in denervated rat diphragm. Mooij JJ. **Eur J Pharmacol** 38(1):157–63, Jul 76

Dilantin-calcium interaction and active Na transport in frog skin. Riddle TG, et al. **Eur J Pharmacol** 33(1):189–92, Aug 75

Effects of mitogens on sodium-potassium transport, 3H-ouabain binding, and adenosine triphosphatase activity in lymphocytes. Averdunk R, et al. **Exp Cell Res** 93(2):331–42, Jul 75

Ion contents of human lymphocytes. The effects of concanavalin A and ouabain. Negendank WG, et al.
Exp Cell Res 101(1):31–40, Aug 76

Electrical properties of a clonal cell line as determined by measurement of ion fluxes. Stallcup WB, et al.
Exp Cell Res 98(2):277–84, 15 Mar 76

The effect of acetylcholine and eserine on the movement of Na+ across the corneal epithelium. Stevenson RW, et al. **Exp Eye Res** 21(3):235–44, Sep 75

Sodium and chloride transport across the isolated rabbit cornea. Van der Heyden C, et al. **Exp Eye Res** 20(1):89–96, Jan 75

Movement of sodium from blood and brain into the cerebral ventricles of cats during altered CSF volume flow rates. Wald A, et al. **Exp Neurol** 50(2):304–11, Feb 76

Adrenaline and the electrogenic sodium pump in Rana catesbeiana sympathetic ganglion cells. Akasu T, et al.
Experientia 32(1):57–9, 15 Jan 76

USe of tissue culture medium for in vitro studies on the ion transport capacity of amphibian epithelia. Emílio MG, et al. **Experientia** 31(12):1418–20, 15 Dec 75

Increased erythrocyte permeability to Li and Na in the spontaneously hypertensive rat. Friedman SM, et al.
Experientia 32(4):476–8, 15 Apr 76

Elemental distribution of Na, P, Cl and K in different structures of myelinated nerve of Rana esculenta. Rick R, et al. **Experientia** 32(8):1018–9, 15 Aug 76

Sodium pumps and galactose transfer in the short-circuited small intestine. Ude JF, et al. **Experientia** 32(2):188–90, 15 Feb 76

Cell potential and the sodium-potassium pump in vascular smooth muscle. Anderson DK. **Fed Proc** 35(6):1294–7, 1 May 76

Transition from the polikilotherm to the homeotherm: possible role of sodium transport and thyroid hormone. Edelman IS. **Fed Proc** 35(10):2180–4, Aug 76

Localization of Na+, K+-ATPase in brain. Stahl LW, et al. **Fed Proc** 35(6):1260–5, 1 May 76

Ion transport across renal proximal tubule: analysis of luminal, contraluminal and paracellular transport steps. Frömter E. **Fortschr Zool** 23(2–3):248–60, 1975

On the regulatory handling of Na+, K+ and H+ transport by the rat salivary duct epithelium. Knauf, et al.
Fortschr Zool 23(2–3):307–21, 1975

Biochemical and biophysical aspects of salt excretion by chloride cells in teleosts. Maetz J, et al. **Fortschr Zool** 23(2–3):322–62, 1975 (132 ref.)

Effect of dioctyl sodium sulfosuccinate on colonic fluid and electrolyte movement. Donowitz M, et al.
Gastroenterology 69(4):941–50, Oct 75

Effects of alcohol on ion transport by isolated gastric and esophageal mucosa. Fromm D, et al. **Gastroenterology** 70(2):220–5, Feb 76

Transmissible gastroenteritis. Mucosal ion transport in acute viral enteritis. McClung HJ, et al. **Gastroenterology** 70(6):1091–5, Jun 76

Growth of the pig: patterns of changes in electrolytes, water, and protein. Chuntananukoon S, et al. **Growth** 40(1):99–106, Mar 76

Stimulation of water and sodium secretion and inhibition of glucose absorption from the rat jejunum during intraarterial infusions of prostglandins. Coupar IM, et al. **Gut** 16(10):759–65, Oct 75

On the bound state of alkali cations in subcellular preparations of rat liver. Besenfelder E, et al.
Hoppe Seylers Z Physiol Chem 356(5):495–506, May 75

A membrane permeability alteration resulting in desiccytosis and hemolytic anemia. pp. 255–67. Glader BE, et al.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.

Mechanisms involved in sodium exchange in smooth muscle: observations and speculations. pp. 1–10. Brading AF.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

The role of cyclic nucleotides in the regulation of intestinal ion transport. pp. 387–9. Field M, et al.
In: Case RM, Goebell H, ed. Stimulus-secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.

Sodium and water transport in the urinary bladder of the developing foetal sheep. p. 159. France VM, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Pathways and driving forces for salt and water absorption from rat kidney proximal tubule. pp. 15–26. Frömter E.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Sodium reabsorption in experimental glomerulonephritis: indirect evidence for renal origin of natriuretic factor (S). p. 161. Godon JP.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Some factors affecting sodium reabsorption from rat renal proximal tubule. p. 163. Green R, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

The effect of cyanide on renal metabolism and sodium reabsorption. p. 178. Lie M, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

The action of angiotensin on sodium transport by rat kidney cortex in vitro. p. 181. Munday KA, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Comparative study of metabolism, function and ultrastructure of the vertebrate kidney. p. 182. Natochin YuV.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Regulation of sodium transport in epithelial cells. pp. 215–30. Janáček K.
In: Gárdos G, Szász I, ed. Biomembranes: structure and function. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.35.

Energy utilized by neurotransmitters. pp. 79–81. Bachelard HS.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b. (8 ref.)

Energy coupling in the plasma membrane of Neurospora: ATP-dependent proton transport and proton-dependent sugar cotransport. pp. 233–48. Slayman CW, et al.
In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974. (45 ref.)

Resting ionic permeabilities in a neuron. pp. 283–7. Brown AM, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Tissue electrolytes and blood flow in skeletal muscle. pp. 376–80. Gebert G.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Measurements with ion-selective surface electrodes (pK, pNa, pCa, pH) during no-flow anoxia. pp. 331–4. Höper J, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Use of the sodium microelectrode to define sodium efflux and the behavior of the sodium pump in the frog sartorius. pp. 355–63. White JF, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Bile canalicular membrane Na+, K+-ATPase. The relationship of enzyme activity to the secretion of bile salt independent canalicular flow. pp. 108–112. Boyer JL, et al.
In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 I61d 1974.

Water and electrolytes of exocrine secretions. pp. 179–91. Dearborn DG.
In: Mangos JA, Talamo RC, ed. Cystic fibrosis: projections into the future. New York, Stratton, 1976. WI 820 C9995 1976. (69 ref.)

Dose-response relationship of mercury and cadmium effects on renal sodium transport. pp. 299–308. Vostal JJ.
In: Nordberg GF, ed. Effects and dose-response relationships of toxic metals. Amsterdam, Elsevier, 1976.

QV 290 E27 1974.

Interaction between sodium and calcium movements in smooth muscle. pp. 235-45. Brading AF, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Voltage clamp studies of the actions of catecholamines and adrenergic blocking agents on mammalian smooth muscles. pp. 165-76. Kao CY, et al.
In: Worcel M, Vassort G, ED. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Basic rhythms in vascular smooth muscle. pp.215-31. Siegel G, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Effect of diphenylhydantoin and lithium on whole brain serotonin, sodium and potassium in mice. Umberkoman B, et al. **Indian J Physiol Pharmacol** 19(2):94-7, Apr-Jun 75

Active transport system in human spermatozoa. Abla A, et al. **Int J Fertil** 20(2):95-6, 1975

Stromal sodium binding after glycosaminoglycan digestion. Green K, et al. **Invest Ophthalmol** 15(6):484-6, Jun 76

The rates of ion movement from plasma to aqueous humor in the dogfish, Squalus acanthias. Maren TH, et al. **Invest Ophthalmol** 14(9):662-73, Sep 75

The rates of movement of Na+, Cl-, and HCO-3 from plasma to posterior chamber: effect of acetazolamide and relation to the treatment of glaucoma. Maren TH. **Invest Ophthalmol** 15(5):356-64, May 76

Intracellular Na+, K+, and Cl- activities in Balanus photoreceptors. Brown HM. **J Antimicrob Chemother** 2(2):281-96, Jun 76

The permeability of the sodium channel in Myxicola to the alkali cations. Ebert GA, et al. **J Antimicrob Chemother** 2(2):327-40, Jun 76

Sodium kinetics in aorta of spontaneously hypertensive rats. Llaurado JG, et al. **J Appl Physiol** 39(5):868-72, Nov 75

Active potassium transport coupled to active sodium transport in vesicles reconstituted from purified sodium and potassium ion-activated adenosine triphosphatase from the rectal gland of Squalus acanthias. Hilden S, et al. **J Biol Chem** 250(16):6296-303, 25 Aug 75

Interaction of two mechanisms regulating alkali cations in HeLa cells. Cook JS, et al. **J Cell Physiol** 86(1):59-70, Aug 75

Regulation of cellular growth by sodium pump activity. Shank BB, et al. **J Cell Physiol** 87(3):377-87, Mar 76

The effect of lanthanum on electrophoretic mobility and passive cation movements of the Ehrlich ascites tumor cell. Smith TC. **J Cell Physiol** 87(1):47-52, Jan 76

Passive cation movements in the Ehrlich ascites tumor cell: the effects of 2,4,6-trinitrobenzene sulfonic acid. Smith TC, et al. **J Cell Physiol** 87(1):53-62, Jan 76

Primary hyperparathyroidism and salt-wasting nephropathy. Bell NH, et al. **J Chronic Dis** 28(11-12):601-7, Dec 75

Thyroid thermogenesis. Relationships between Na+-dependent respiration and Na+ + K+-adenosine triphosphatase activity in rat skeletal muscle. Asano Y, et al. **J Clin Invest** 57(2):368-79, Feb 76

Effect of renal sympathetic nerve stimulation on proximal water and sodium reabsorption. Bell-Reuss E, et al. **J Clin Invest** 57(4):1104-7, Apr 76

Evidence for enhanced distal tubule sodium reabsorption in chronic salt-depleted dogs. Chou SY, et al. **J Clin Invest** 57(5):1142-7, May 76

An inhibitor of sodium transport in the urine of dogs with normal renal function. Favre H, et al. **J Clin Invest** 56(5):1302-11, Nov 75

Intrinsic mineralocorticoid agonist activity of some nonsteroidal anti-inflammatory drugs. A postulated mechanism for sodium retention. Feldman D, et al. **J Clin Invest** 57(1):1-7, Jan 76

On the influence of the natriuretic factor from patients with chronic uremia on the bioelectric properties and sodium transport of the isolated mammalian collecting tubule. Fine LG, et al. **J Clin Invest** 58(3):590-7, Sep 76

Effects of cadmium of the hydro-osmotic and natriferic responses to the toad bladder to vasopressin. Bentley PJ, et al. **J Endocrinol** 66(2):273-8, Aug 75

Osmotic inhibition of the natriferic response of the toad urinary bladder to vasopressin. Bentley PJ. **J Endocrinol** 67(1):119-25, Oct 75

Proceedings: Water and sodium accumulation in rabbits after administration of prolactin. Burstyn PG. **J Endocrinol** 68(3):15P, Mar 76

Proceedings: Effect of prolactin on sodium transport across frog skin in vitro. Howard K, et al. **J Endocrinol** 67(2):56P-57P, Nov 75

Electrophysiological analysis of potassium and sodium movements in crustacean nervous system. Abbott NJ, et al. **J Exp Biol** 63(1):85-115, Aug 75

A study of the unidirectional fluxes of Na and Cl across the gills of the dogfish Scyliorhinus canicula (Chondrichthyes). Bentley PJ, et al. **J Exp Biol** 64(3):629-37, Jun 76

Branchial ion uptake in arctic grayling: resting values and effects of acid-base disturbance. Cameron JN. **J Exp Biol** 64(3):711-25, Jun 76

Contribution of an electrogenic pump to the resting membrane polarization in a crustacean heart. Delaleu JC, et al. **J Exp Biol** 64(1):59-74, Feb 76

Sodium extrusion by the sea-water-acclimated fiddler crab Uca pugilator: comparison with other marine crustacea and marine teleost fish. Evans DH, et al. **J Exp Biol** 64(1):203-19, Feb 76

Active transport of sodium by the malpighian tubules of the tsetse fly Glossian morsitans. Gee JD. **J Exp Biol** 64(2):357-68, Apr 76

Cation distributions across the larval and pupal midgut of the lepidopteran, Hyalophora cecropia, in vivo. Harvey WR, et al. **J Exp Biol** 63(2):321-30, Oct 75

Responses of trout gill ion transport systems to acute acidosis. Kerstetter TH, et al. **J Exp Biol** 64(2):511-5, Apr 76

On the interaction of NH+4 and Na+ fluxes in the isolated trout gill. Kerstetter TH, et al. **J Exp Biol** 64(2):517-27, Apr 76

Respiration in relation to ion uptake in the crayfish Austropotamobius pallipes (Lereboullet). Sutcliffe DW, et al. **J Exp Biol** 63(3):689-99, Dec 75

Purification and molecular properties of the (sodium + potassium)-adenosinetriphosphatase and reconstitution of coupled sodium and potassium transport in phospholipid vesicles containing purified enzyme. Hokin LE. **J Exp Zool** 194(1):197-205, Oct 75 (56 ref.)

Sodium flux through the sodium channels of axon membrane fragments isolated from lobster nerves. Barnola FV, et al. **J Gen Physiol** 67(1):81-90, Jan 76

Effect of amiloride and some of its analogues of cation transport in isolated frog skin and thin lipid membranes. Benos DJ, et al. **J Gen Physiol** 68(1):43-63, Jul 76

Side-dependent effects of internal versus external Na and K on ouabain binding to reconstituted human red blood cell ghosts. Bodemann HH, et al. **J Gen Physiol** 67(5):497-525, May 76

Effects of Mg and Ca on the side dependencies of Na and K on ouabain binding to red blood cell ghosts and the control of Na transport by internal Mg. Bodemann HH, et al. **J Gen Physiol** 67(5):547-61, May 76

Biochemical correlates of adaptation processes in isolated frog photoreceptor membranes. Brodie AE, et al. **J Gen Physiol** 68(1):1-11, Jul 76

Sodium channel selectivity. Dependence on internal permeant ion concentration. Cahalan M, et al. **J Gen Physiol** 68(2):111-25, Aug 76

Kinetic and pharmacological properties of the sodium channel of frog skeletal muscle. Campbell DT, et al. **J Gen Physiol** 67(3):309-23, Mar 76

Sodium permeability of dog red blood cell membranes. I. Identification of regulatory sites. Castranova V, et al. **J Gen Physiol** 67(5):563-78, May 76

Ionic selectivity, saturation, and block in sodium channels. A four-barrier model. Hille B. **J Gen Physiol** 66(5):535-60, Nov 75

Relation of Na-K-ATPase to acute changes in renal tubular sodium and potassium transport. Katz AI, et al. **J Gen Physiol** 66(2):209-22, Aug 75

Activities of potassium and sodium ions in rabbit heart muscle. Lee CO, et al. **J Gen Physiol** 65(6):695-708, Jun 75

Selective modification of sodium channel gating in lobster axons by 2, 4, 6-trinitrophenol: Evidence for two inactivation mechanisms. Oxford GS, et al. **J Gen Physiol** 66(6):765-79, Dec 75

Ionic properties of the acetylcholine receptor in cultured rat myotubes. Ritchie AK, et al. **J Gen Physiol** 65(6):751-67, Jun 75

Sensitivity of the sodium and potassium channels of Myxicola giant axons to changes in external pH. Schauf CL, et al. **J Gen Physiol** 67(2):185-95, Feb 76

Binding of tetrodotoxin to squid nerve fibers. Two kinds of receptors? Sevcik C. **J Gen Physiol** 68(1):95-103, Jul 76

Grayanotoxin, veratrine, and tetrodotoxin-sensitive sodium pathways in the Schwann cell membrane of squid nerve fibers. Villegas J, et al. **J Gen Physiol** 67(3):369-80, Mar 76

Effect of acetazolamide on sodium reabsorption in the diluting segment in man. Chaimovitz C, et al. **J Lab Clin Med** 87(4):630-6, Apr 76

Age as a determinant of renal sodium conservation in normal man. Epstein M, et al. **J Lab Clin Med** 87(3):411-7, Mar 76

Sodium-calcium exchange and calcium-calcium exchange in internally dialyzed squid giant axons. Blaustein MP, et al. **J Membr Biol** 22(3-4):285-312, 24 Jul 75

Sodium fluxes through the active transport pathway in toad bladder. Chen JS, et al. **J Membr Biol** 21(1-2):87-98, 23 Apr 75

Ionic dependence of sodium currents in squid axons analyzed in terms of specific ion 'channel' interactions. Cohen M, et al. **J Membr Biol** 24(3-4):201-23, 4 Dec 75

Ionic permeabilities of an Aplysia giant neuron. Eaton DC, et al. **J Membr Biol** 21(3-4):353-74, 22 May 75

Letters to the editor: Comments on: Sodium fluxes through the active transport pathway in toad bladder. Essig A, et al. **J Membr Biol** 24(3-4):401-6, 4 Dec 75

Ion transport by rabbit colon. I. Active and passive components. Frizzell RA, et al. **J Membr Biol** 27(3):297-316, 1976

The effect of poly-L-lysine, amiloride and methyl-L-lysine on gill ion transport and permeability in the rainbow trout. Greenwald LE, et al. **J Membr Biol** 26(4):371-83, May 76

Relationships between serosal medium potassium concentration and sodium transport in toad urinary bladder. III. Exchangeability of epithelial cellular potassium. Robinson BA, et al. **J Membr Biol** 26(2-3):269-86, 18 Mar 76

Relationships between serosal medium potassium concentration and sodium transport in toad urinary bladder. I. Effects of different medium potassium concentrations on electrical parameters. Robinson BA, et al. **J Membr Biol** 26(2-3):217-38, 18 Mar 76

Relationships between serosal medium potassium concentration and sodium transport in toad urinary bladder. II. Effects of different medium potassium concentrations on epithelial cell composition. Robinson BA, et al. **J Membr Biol** 26(2-3):239-68, 18 Mar 76

Effects of (Na+ + K+)-ATPase-specific antibodies of enzymatic activity and monovalent cation transport. Smith TW, et al. **J Membr Biol** 25(3-4):341-60, 1975-76

Evidence that alpha-dihydrograyanotoxin II does not bind to the sodium gate. Soeda Y, et al. **J Membr Biol** 23(1):91-101, 11 Aug 75

Quantitative relationship between active sodium transport, expansion of endoplasmic reticulum and specialized vacuoles ('scalloped sacs') in the outermost living cell layer of the frog skin epithelium (Rana temporaria). Voûte CL, et al. **J Membr Biol** 21(3-4):273-89, 22 May 75

Ionic mechanism of action of a spin-labeled local anesthetic on squid axon membranes. Yeh JZ, et al. **J Membr Biol** 25(3-4):237-47, 1975-76

Ionic fluxes in isolated epithelial cells of the abdominal skin of the frog Leptodactylus ocellatus. Zylber EA, et al. **J Membr Biol** 22(3-4):265-84, 24 Jul 75

Sensitivity to H, Li and Mg ions of the slow inward sodium current in frog atrial fibres. Chesnais JM, et al. **J Mol Cell Cardiol** 7(9):627-42, Sep 75

Evidence for the existence of a rapid sodium channel in the membrane of rabbit sinoatrial cells. Kreitner D. **J Mol Cell Cardiol** 7(9):655-62, Sep 75

Sodium and chloride fluxes in synaptosomes in vitro. Marchbanks RM, et al. **J Neurochem** 26(5):973-80, May 76

Neutron-activation measurement of metabolic activity of sodium in the human hand. Spinks TJ, et al. **J Nucl Med** 17(8):724-9, Aug 76

Electrolyte metabolism of muscle in the salt-losing form of congenital adrenal hyperplasia. Nichols BL, et al. **J Pediatr** 87(3):400-8, Sep 75

Receptors controlling sodium ion translocation in biological membranes. Cuthbert AW. **J Pharm Pharmacol** 28(4 SUPPL):838-8, Apr 76

The influence of dihydroxyanthracene derivatives on water and electrolyte movement in rat colon. Lemmens L, et al. **J Pharm Pharmacol** 28(6):498-501, Jun 76

Actions of ricinoleic acid and structurally related fatty acids on the gastrointestinal tract. II. Effects on water and electrolyte absorption in vitro. Gaginella TS, et al. **J Pharmacol Exp Ther** 195(2):355-61, Nov 75

Renal blockade to angiotensin II in acute and chronic sodium-retaining states. Slick GL, et al. **J Pharmacol Exp Ther** 195(2):185-93, Nov 75

Interaction of prostaglandin A2 and prostaglandin B2 on vascular smooth muscle tone, vascular reactivity and electrolyte transport. Wilson WR, et al. **J Pharmacol Exp Ther** 195(3):567-76, Dec 75

Stimulation by aldosterone of the sodium efflux in barnacle muscle fibres: effects of RNA inhibitors and spironolactone. Bittar EE, et al. **J Physiol (Lond)** 250(2):331-46, Sep 75

Mode of stimulation by aldosterone of the sodium efflux in barnacle muscle fibres: effects of ouabain, ethacrynic acid, diphenylhydantoin, (ATPMg)(2-), adenine translocase inhibitors, pyruvate and oxythiamine. Bittar EE, et al. **J Physiol (Lond)** 255(1):29-56, Feb 76

Mode of stimulation by adenosine 3':5'-cyclic monophosphate of the sodium efflux in barnacle muscle fibres. Bittar EE, et al. **J Physiol (Lond)** 257(3):561-79, Jun 76

Sodium/sodium exchange in the smooth muscle of the guinea-pig taenia coli. Brading AF. **J Physiol (Lond)** 251(1):79-105, Sep 75

Effects of ionic concentration on sodium permeability properties of myelinated nerve fibres of Xenopus laevis. Brismar T, et al. **J Physiol (Lond)** 249(3):549-59, Aug 75

Effect of renin-angiotensin system on sodium intake. Chiaraviglio E. **J Physiol (Lond)** 255(1):57-66, Feb 76

Proceedings: The dependence on internal Na of the affinity of the K ion-binding site of the sodium pump in human red blood cells. Chipperfield AR. **J Physiol (Lond)** 258(1):16P-17P, Jun 76

Proceedings: Dose-response curves with labelled sodium and labelled decamethonium in rat muscle. Creese R, et al. **J Physiol (Lond)** 254(1):43P-44P, Jan 76

Effect of bradykinin on transepithelial transfer of sodium and water in vitro. Crocker AD, et al. **J Physiol (Lond)** 253(2):401-10, Dec 75

Estimation of the lifespan of amiloride binding sites in the membranes of toad bladder epithelial cells. Cuthbert AW, et al. **J Physiol (Lond)** 255(3):605-18, Mar 76

Characteristics of the entry process for sodium in transporting epithelia as revealed with amiloride. Cuthbert AW, et al. **J Physiol (Lond)** 255(3):587-604, Mar 76

Ion fluxes during the inhibitory junction potential in the guinea-pig taenia coli. den Hertog A, et al. **J Physiol (Lond)** 250(3):681-91, Sep 75

Lithium transport by the colon of normal and sodium-depleted rats. Dolman DE, et al. **J Physiol (Lond)** 259(3):759-70, Aug 76

The effect of lithium on the transport of sodium, potassium and chloride by the colon of normal and sodium-depleted rats. Dolman DE, et al. **J Physiol (Lond)** 259(3):771-83,

Aug 76

The effect of acetzolamide on Ion transport across isolated sheep rumen epithelium. Emanović D, et al. **J Physiol (Lond)** 254(3):803–12, Jan 76

Stimulation of the sodium pump by azide and high internal sodium: changes in the number of pumping sites and turnover rate. Erlij D, et al. **J Physiol (Lond)** 259(1):33–45, Jul 76

The number of sodium ion pumping sites in skeletal muscle and its modification by insulin. Erlij D, et al. **J Physiol (Lond)** 259(1):13–31, Jul 76

The effect of hormones and of an osmotic gradient on the structure and properties of mammalian foetal urinary bladder in vitro. France VM, et al. **J Physiol (Lond)** 258(2):393–408, Jun 76

Active sodium uptake by the skin of foetal sheep and pigs. France VM. **J Physiol (Lond)** 258(2):377–92, Jun 76

An octopus toxin, maculotoxin, selectively blocks sodium current in squid axons. Gage PW, et al. **J Physiol (Lond)** 259(2):427–43, Jul 76

Proceedings: A K+-like effect of Li+ on sodium transport from blood into cerebrospinal fluid. Glen AI, et al. **J Physiol (Lond)** 252(2):83P–84P, Nov 75

ATP hydrolysis associated with an uncoupled efflux of Na through the Na pump. Glynn IM, et al. **J Physiol (Lond)** 250(1):33P–34P, Aug 75

Kinetics of active sodium transport in rat proximal tubules and its variation by cardiac glycosides at zero net volume and ion fluxes. Evidence for a multisite sodium transport system. Györy AZ, et al. **J Physiol (Lond)** 257(2):257–74, May 76

Proceedings: The stimulation by phosphate of ouabain binding to the soduim pump and its dependence on the method of preparing the membranes. Hallam C, et al. **J Physiol (Lond)** 252(2):84P–85P, Nov 75

Proceedings: The separation of protein complexes of the sodium pump by column chromatography. Hallam C, et al. **J Physiol (Lond)** 258(1):7P–8P, Jun 76

Ionic fluxes in rat uterine smooth muscle. Hamon G, et al. **J Physiol (Lond)** 254(2):229–43, Jan 76

The effect of ouabain on ion transport across isolated sheep rumen epithelium. Harrison FA, et al. **J Physiol (Lond)** 249(3):669–77, Aug 75

Proceedings: Regulation of tonic tension in frog atrial muscle by voltage-dependent Na–Ca exchange. Horackova M, et al. **J Physiol (Lond)** 258(2):77P–78P, Jun 76

Stoichiometry of sodium and potassium transport in erythrocytes from patients with myotonic muscular dystrophy. Hull KL Jr, et al. **J Physiol (Lond)** 254(1):169–81, Jan 76

Proceedings: Angiotensin release and the sodium-retaining effect of renal nerve activity in the cat. Johns EJ, et al. **J Physiol (Lond)** 257(1):49P–50P, May 76

The temporal and steady-state relationships between activation of the sodium conductance and movement of the gating particles in the squid giant axon. Keynes RD, et al. **J Physiol (Lond)** 255(1):157–89, Feb 76

Further studies of the potential-dependence of the sodium-induced membrane current in snail neurones. Kononenko NI, et al. **J Physiol (Lond)** 256(3):601–15, Apr 76

Proceedings: Medullary cell Na and K concentrations, and water content, during K depletion at 0 degrees C and re-warming: effects of ouabain and ethacrynic acid. Law RO. **J Physiol (Lond)** 250(1):23P–24P, Aug 75

The effects of ouabain and ethacrynic acid on the intracellular sodium and potassium concentrations in renal medullary slices incubated in cold potassium-free ringer solution and re-incubated at 37 degrees C in the presence of external potassium. Law RO. **J Physiol (Lond)** 254(3):743–58, Jan 76

Post-tetanic hyperpolarization, sodium-potassium-activated adenosine triphosphatase and high energy phosphate levels in garfish olfactory nerve. McDougal DB, et al. **J Physiol (Lond)** 256(1):41–60, Mar 76

The effects of very low external calcium and sodium concentrations on cardiac contractile strength and calcium-sodium antagonism. Miller DJ, et al. **J Physiol (Lond)** 259(2):283–308, Jul 76

Proceedings: Methods used to estimate the unidirectional fluxes of sodium simultaneously across the mucosal and serosal borders of rabbit ileum. Naftalin RJ, et al. **J Physiol (Lond)** 252(2):7P–8P, Nov 75

Proceedings: The compartmentalization of Na within rabbit ileum: the effects of D-galactose. Naftalin RJ, et al. **J Physiol (Lond)** 252(2):87P–88P, Nov 75

Proceedings: Temperature-independence of total sodium flow: implications for theory of the active membrane. Offner FF. **J Physiol (Lond)** 252(2):69P, Nov 75

Simultaneous measurements of magnesium, calcium and sodium influxes in perfused squid giant axons under membrane potential control. Rojas E, et al. **J Physiol (Lond)** 252(1):1–27, Oct 75

Voltage-clamp studies of the calcium inward current in an identified snail neurone: comparison with the sodium inward current. Standen NB. **J Physiol (Lond)** 249(2):253–68, Jul 75

Calcium and sodium ions as charge carriers in the action potential of an identified snail neurone. Standen NB. **J Physiol (Lond)** 249(2):241–52, Jul 75

Catecholamine-induced changes in ion transport in short-circuited frog skin and the effect of beta-blockade. Tomlinson RW, et al. **J Physiol (Lond)** 257(2):515–30, May 76

Proceedings: Inhibition of the sodium pump ATPase by substrate and products. Wade SA. **J Physiol (Lond)** 258(1):15P–16P, Jun 76

Environmental salinity and sodium and chloride exchanges across the gill of Tilapia mossambica. Dharmamba M, et al. **J Physiol (Paris)** 70(5):627–35, Dec 75

Inter-relationships between plasma angiotensin II, arterial pressure, aldosterone and exchangeable sodium in normotensive and hypertensive man. Beevers DG, et al. **J Steroid Biochem** 6(5):779–84, May 75 (45 ref.)

Synthesis of adenosine triphosphate by way of potassium-sensitive phosphoenzyme of sodium, potassium adenosine triphosphatase. Post RL, et al. **J Supramol Struct** 3(5–6):479–97, 1975

A model of the activation process of Na+ conductance in the squid axon: an approach with interactive desorption kinetics of divalent cations. Goto H. **J Theor Biol** 53(2):309–25, Sep 75

An animal model of reversible cardiac edema. Mandin H, et al. **Kidney Int** 7(6):433–6, Jun 75

Effect of sodium intake on single nephron glomerular filtration rate and sodium reabsorption in experimental uremia. Weber H, et al. **Kidney Int** 8(1):14–20, Jul 75

Acute effect of nephrotoxic serum on renal sodium transport in the dog. Wen SF, et al. **Kidney Int** 9(3):243–51, Mar 76

Cellular aspects of renal sodium transport and cell volume regulation. Whittembury G, et al. **Kidney Int** 9(2):103–20, Feb 76

Proximal sodium and fluid transport. Windhager EE, et al. **Kidney Int** 9(2):121–33, Feb 76

Inotropic action of digitalis and ion transport. Akera T, et al. **Life Sci** 18(2):135–44, 15 Jan 76 (50 ref.)

Effect of acetazolamide on sodium transport through the isolated frog skin at low and high external sodium concentrations. Garcia-Romeu F, et al. **Life Sci** 17(4):579–82, 15 Aug 75

Distribution of liposome-entrapped cations in tumor-bearing mice. Kimelberg HK, et al. **Life Sci** 17(5):715–23, 1 Sep 75

Transport of sodium and potassium in intestinal epithelial cells. Rose RC. **Life Sci** 18(11):1229–36, 1 Jun 76

Effects of L-glucose on sodium reabsorption in the isolated perfused rat kidney. Trimble ME. **Life Sci** 17(12):1799–806, 15 Dec 75

The sodium pump: a ghost story. Wiggins PM. **Med Hypotheses** 1(6):193–6, Nov–Dec 75

A new model for regulation of sodium transport in high resistance epithelia. Ziegler TW. **Med Hypotheses** 2(3):85–96, May–Jun 76

Letter: Lithium levels and 'Soda Bic'. Arthur RK. **Med J Aust** 2(24):918, 13 Dec 75

Ionic selectivity of Na and K channels of nerve membranes. Hille B. **Membranes** 3:255–323, 1975

Dissociation of calcium and sodium clearances in patients with hypoparathyroidism by infusion of chlorothiazide. Costanzo LS, et al. **Metabolism** 24(12):1367–73, Dec 75

Total body sodium and chlorine in normal adults. Ellis KJ, et al. **Metabolism** 25(6):645–54, Jun 76

The uptake and extrusion of monovalent cations by isolated heart mitochondria. Brierley GP. **Mol Cell Biochem** 10(1):41–63, 31 Jan 76

Interactions of metal cations with lipid-depleted chloroplasts. Isaakidou J, et al. **Nahrung** 20(1):541–8, 1976

Ionic permeability changes occurring at excitatory receptor membranes of chemical synapses. Anwyl R, et al. **Nature** 257(5525):410–12, 2 Oct 75

Two mechanisms for spontaneous recovery from depolarising drugs in rat muscle. Creese R, et al. **Nature** 261(5559):416–7, 3 Jun 76

The presence of Na–Na and Na–K exchange in sodium extrusion by three species of fish. Evans DH, et al. **Nature** 259(5540):241–2, 22 Jan 76

Letter: Sodium flux, action potential and temperature dependence. Goldman L, et al. **Nature** 257(5526):516–7, 9 Oct 75

Letter: Evidence for two sodium sites on the external aspect of Na–K pump in human erythrocytes. Hobbs AS, et al. **Nature** 260(5552):651–2, 15Apr 76

Decrease of Na+ conductance during desensitisation of the frog endplate. Kuba K, et al. **Nature** 262(5568):504–5, 5 Aug 76

Increasing intracellular sodium triggers calcium release from bound pools. Lowe DA, et al. **Nature** 260(5549):337–8, 25 Mar 76

Insulin stimulates active sodium transport in toad bladder by two mechanisms. Wiesmann WP, et al. **Nature** 260(5551):546–7, 8 Apr 76

Stimulation of active Na transport by phospholipase C. Yorio T, et al. **Nature** 261(5562):722–3, 24 Jun 76

Effects of furosemide on sodium content and transport pool in frog skin (Rana esculenta): comparison with vasopressin and ouabain. Axmann G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):275–84, 24 Sep 75

Pathway of sodium moving from blood to intestinal lumen under the influence of oxyphenisatin and deoxycholate. Nell G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):31–7, 24 Mar 76

Functional and metabolic studies on red blood cell sodium transport in chronic uremia. Kramer HJ, et al. **Nephron** 16(5):344–58, 1976

Cation transport and its altered regulations in human stomatocytic erythrocytes. Dutcher PO, et al. **Pediatr Res** 9(12):924–7, Dec 75

Micropuncture study of fluid transfer in aminonucleoside nephrosis in the rat. Lewy JE. **Pediatr Res** 10(1):30–4, Jan 76

Activation of electrogenic sodium pump in mammalian skeletal muscle by external cations. Akaike N. **Pfluegers Arch** 355(4):281–90, 2 Apr 75

Intracellular ion concentration and electrical activity in potassium-depleted mammalian soleus muscle fibers. Akaike N. **Pfluegers Arch** 362(1):15–20, 11 Mar 76

A comparative study of the effects of norepinephrine and vasopressin on Na transport and O2 consumption in frog skin. Arczynska W, et al. **Pfluegers Arch** 363(3):187–91, 22 Jun 76

Disappearance of insulin response after enzymatic treatment of sodium-transporting amphibian epithelia. Crabbé J, et al. **Pfluegers Arch** 364(1):99–101, 29 Jun 76

Na+ and Cl- transepithelial routes in rabbit gallbladder: tracer analysis of the transports. Cremaschi D, et al. **Pfluegers Arch** 361(1):33–41, 19 Dec 75

Studies on the lithium transport across the red cell membrane. I. Li+ uphill transport by the Na+-dependent Li+ counter-transport system of human erythrocytes. Duhm J, et al. **Pfluegers Arch** 364(2):147–55, 30 Jul 76

Distal Tubule [Na+] and juxtaglomerular apparatus Renin activity in uranyl nitrate induced acute renal failure in the rat. An evaluation of the role of tubuloglomerular feedback. Flamenbaum W, et al. **Pfluegers Arch** 364(3):209–15, 24 Aug 76

Block of gating currents by ultraviolet radiation in the membrane of myelinated nerve. Fox JM, et al. **Pfluegers Arch** 364(2):143–5, 30 Jul 76

Inhibition of sodium transport by angiotensin II in the main duct of the rabbit mandibular gland isolated and perfused in vitro. Healy JK, et al. **Pfluegers Arch** 363(1):69–73, 6 May 76

Ionic mechanisms associated with the depolarization by glutamate and aspartate on human and rat spinal neurones in tissue culture. Hösli L, et al. **Pfluegers Arch** 363(1):43–8, 6 May 76

Deviating flux ratios for Na+ in ouabain-treated frog skin. Idzerda PP, et al. **Pfluegers Arch** 360(1):91–4, 16 Oct 75

Role of sodium and urea in the renal concentrating mechanism in Psammomys obesus. Imbert M, et al. **Pfluegers Arch** 361(2):107–14, 30 Jan 76

Temperature sensitivity of outward current in cardiac Purkinje fibers. Evidence of electrogenicity of active transport. Isenberg G, et al. **Pfluegers Arch** 358(3):225–34, 28 Jul 75

Tracheal smooth muscle—failure to demonstrate Na–Ca exchange. Kirkpatrick CT, et al. **Pfluegers Arch** 361(3):301–2, 24 Feb 76

Evidence for Na+ independent active secretion of K+ and HCO – 3 by rat salivary duct epithelium. Knauf H, et al. **Pfluegers Arch** 361(1):55–9, 19 Dec 75

Na and K movements across the membranes of frog skin epithelia associated with transient current changes. Leblanc G, et al. **Pfluegers Arch** 358(2):159–77, 21 Jul 75

Transient current changes and Na compartimentalization in frog skin epithelium. Morel F, et al. **Pfluegers Arch** 358(2):135–57, 21 Jul 75

Asymmetrical displacement current and its relation with the activation of sodium current in the membrane of frog myelinated nerve. Neumcke B, et al. **Pfluegers Arch** 363(3):193–203, 22 Jun 76

Renal control of intestinal sodium and water transport in the dog. Nizet A, et al. **Pfluegers Arch** 364(1):59–64, 29 Jun 76

Contribution of an electrogenic sodium pump to the membrane potential in rabbit sinoatrial node cells. Noma A, et al. **Pfluegers Arch** 358(4):289–301, 12 Aug 75

Influence of the membrane stabilizer diphenylhydantoin on potassium and sodium movements in skeletal muscle. O'Donnell JM, et al. **Pfluegers Arch** 358(3):275–88, 28 Jul 75

Sodium and chloride transport by the intestine of the European flounder Platichthys flesus adapted to fresh or sea water. Smith MW, et al. **Pfluegers Arch** 357(3–4):303–12, 26 Jun 75

Active Ca2+ reabsorption in the proximal tubule of the rat kidney. Dependence on sodium- and buffer transport. Ullrich KJ, et al. **Pfluegers Arch** 364(3):223–8, 24 Aug 76

Saxitoxin and procaine act independently on separate sites of the sodium channel. Wagner HH, et al. **Pfluegers Arch** 364(1):65–70, 29 Jun 76

Potassium and sodium ions in the glycerinated skeletal muscle. Distribution changes induced by adenosine triphosphate and nondissociable anesthetic substances. Dragomir CT, et al. **Physiol Chem Phys** 7(4):287–308, 1975

Simultaneous efflux of K+ and Na+ from frog sartorius muscle freed of extracellular fluids: evidence for rapidly exchanging Na+ from the cells. Ling GN, et al. **Physiol Chem Phys** 7(6):501–15, 1975

Changing concepts of transepithelial sodium transport. Finn AL. **Physiol Rev** 56(2):453–64, Apr 76

The effect of environmental temperature and sodium intake on 22Na retention. Abdel-Malek MT, et al. **Poult Sci** 54(2):624–5, Mar 75

Studies on the sodium requirement of growing Japanese quail. Lumijarvi DH, et al. **Poult Sci** 55(4):1410–4, Jul 76

Blood pressure, circulating renin and the body sodium/volume state in patients with mild renal failure. Beretta-Piccoli C, et al. **Proc Eur Dial Transplant Assoc** 12:291–8, 1976

Acetylcholine-receptor-mediated ion flux in electroplax membrane preparations. Hess GP, et al. **Proc Natl Acad Sci USA** 72(11):4371-5, Nov 75

Titration of sodium channels in canine gastric mucosa. Kauffman GL Jr, et al. **Proc Natl Acad Sci USA** 72(9):3731-4, Sep 75

Pharmacologic characterization of the Na+ ionophores in L6 myotubes. Sastre A, et al. **Proc Natl Acad Sci USA** 73(4):1355-9, Apr 76

Observations on ouabain binding and membrane phosphorylation by the sodium pump. Whittam R, et al. **Proc R Soc Lond [Biol]** 193(1112):217-34, 18 May 76

Sugar-induced potential difference and short circuit current in bullfrog small intestine: effect of UO22+. Armstrong WM, et al. **Proc Soc Exp Biol Med** 152(1):11-5, May 76

Cell Na and K in the rat tail artery during the development of hypertension induced by desoxycorticosterone acetate. Friedman SM, et al. **Proc Soc Exp Biol Med** 150(1):171-6, Oct 75

Salmon calcitonin and water and electrolyte transport in rabbit ileum. Gray TK, et al. **Proc Soc Exp Biol Med** 150(1):151-4, Oct 75

Hepatic sodium-potassium exchange induced by adrenomimetic amines. Guthrie SD, et al. **Proc Soc Exp Biol Med** 151(1):117-20, Jan 76

Effect of diuretics on intestinal transport of electrolytes, glucose, and amino acid. Huang KC, et al. **Proc Soc Exp Biol Med** 151(4):779-84, Apr 76

Renin and hemodynamic changes via central adrenergic, cholinergic, and sodium receptor mechanisms in conscious rats. Morris M, et al. **Proc Soc Exp Biol Med** 151(1):101-4, Jan 76

Inhibition of sodium intestinal transport and mucosal (Na+-K+)-ATPase in experimental Fanconi syndrome. Wapnir RA, et al. **Proc Soc Exp Biol Med** 150(2):517-20, Nov 75

A comparison of the effects of ouabain on sugar and sodium transport and on contractile activity of isolated atria. Bihler I, et al. **Proc West Pharmacol Soc** 18:106-9, 1975

Effect of coenzyme Q10 on electrolyte metabolism and the interaction with aldosterone in rats and dogs. Igarashi T, et al. **Proc West Pharmacol Soc** 18:399-402, 1975

Current determination of lithium-induced minimum sodium requirement in rats. Jensen J, et al. **Psychopharmacologia** 45(3):295-9, 2 Feb 76

Increased water drinking induced by sodium depletion in sheep. Abraham SF, et al. **Q J Exp Physiol** 61(3):185-92, Jul 76

The ionic basis of membrane excitation in ordinary myocardial fibers: some aspects of the sodium and calcium conductance. Carmeliet E. **Recent Adv Stud Cardiac Struct Metab** 5:3-11, 1975

Effects of ouabain on sodium uptake by frog heart and skeletal muscle. Flear CT, et al. **Recent Adv Stud Cardiac Struct Metab** 5:343-9, 1975

Transmembrane sodium movement and regulation of contraction in frog atrial muscle during the inotropic effect of veratrine. Horackova M, et al. **Recent Adv Stud Cardiac Struct Metab** 5:51-7, 1975

Outward current and electrogenic sodium pump in Purkinje fibers. Isenberg G, et al. **Recent Adv Stud Cardiac Struct Metab** 5:43-9, 1975

Functional differentiation of the transmembrane sodium and calcium channels in mammalian cardiac fibers by use of specific inhibitors. Kohlhardt M. **Recent Adv Stud Cardiac Struct Metab** 5:19-26, 1975

Myocardial ion and lipid changes during ischemia and catecholamine induced necrosis: Relation to regional blood flow. Regan TJ, et al. **Recent Adv Stud Cardiac Struct Metab** 1:656-64, 1972

Influence of glycosides on myocardial potassium and sodium concentration in acute and chronic potassium deficiency. Steinbeck G, et al. **Recent Adv Stud Cardiac Struct Metab** 5:359-65, 1975

Role of Na+-K+-activated adenosine triphosphatase in the transmembrane transport of K+ and Na+: relationships to the inotropic and electrophysiologic effects of digitalis. Ten Eick RE, et al. **Recent Adv Stud Cardiac Struct Metab** 4:107-17, 1974

Tubular sodium handling in cold-exposed man during inhibition of distal tubular reabsorption of sodium. Wallenberg LR, et al. **Scand J Clin Lab Invest** 35(4):319-22, Jul 75

The urinary excretion and serum concentration of calcium, magnesium, sodium and phosphate in male patients with recurring renal stone formation. Jorgensen FS. **Scand J Urol Nephrol** 9(3):243-8, 1975

Gating currents associated with sodium and calcium currents in an Aplysia neuron. Adams DJ, et al. **Science** 192(4241):783-4, 21 May 76

Messenger RNA induction of fast sodium ion channels in cultured cardiac myoblasts. McLean MJ, et al. **Science** 191(4224):297-9, 23 Jan 76

Alveolar active transport in frog lung. Bousquet F, et al. **Surg Forum** 26:200-2, 1975

An electron microscopic study of the distribution of sodium in normal, pentagastrin-stimulated and secretin-inhibited fundic mucosa of the stomach of the rat. Kalahanis NG, et al. **Surg Gynecol Obstet** 143(2):263-9, Aug 76

Urinary kallikrein excretion and sodium metabolism in hypertensive patients. Seino M, et al. **Tohoku J Exp Med** 116(4):359-367, Aug 75

Effects of purified components of jellyfish toxin (Stomolophus meleagris) on active sodium transport. Toom PM, et al. **Toxicon** 13(4):261-71, Aug 75

Increased sodium reabsorption postuninephrectomy: evidence for a humoral factor. Shames D, et al. **Urology** 8(1):13-8, Jul 76

Evidence against bicarbonate reabsorption in the ascending limb, particularly as disclosed by free-water clearance studies. Seldin DW, et al. **Yale J Biol Med** 48(4):337-47, Sep 75

[Changes in the tubular transport of Na and K after oral administration of NaHC03 in the man] Stříbrná J, et al. **Vnitr Lek** 21(10):948-55, Oct 75 (Eng. Abstr.) **(Cze)**

[Study of intestinal absorption of water, electrolysis and glucose in celiac disease in adults by the intestinal perfusion method] Bernier JJ, et al. **Arch Fr Mal App Dig** 64(6):495-506, Sep 75 **(Fre)**

[Editorial: Sodium metabolism and prenatal and postnatal development] Royer P. **Arch Fr Pediatr** 32(6):497-502, Jun-Jul 75 **(Fre)**

[Intracellular sodium and potassium concentration after cessation of active transport in procaine arrested perfused rat hearts] Spach C, et al. **Arch Sci Physiol (Paris)** 28(1):25-54, 1974 (Eng. Abstr.) **(Fre)**

[The effect of harmaline on sodium transport across isolated Rana esculents skin and Astacus leptodactylus branchiae] Ehrenfeld J, et al. **C R Acad Sci [D] (Paris)** 281(9):547-50, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Active exchange of Na and K in perfused and procaine arrested rat heart] Marx C, et al. **C R Soc Biol (Paris)** 169(5):1353-8, 1975 (Eng. Abstr.) **(Fre)**

[Biliary transport of sodium and chloride. Excretion of large amounts of NaCl in hypothermia] Vanlerenberghe J, et al. **C R Soc Biol (Paris)** 169(4):987-91, 1975 (Eng. Abstr.) **(Fre)**

[Concentrations of sodium and potassium in the amniotic fluid and maternal plasma. Study of their changes during the 3d trimester of pregnancy] Prévédourakis C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(2):135-40, Mar 73 (Eng. Abstr.) **(Fre)**

[Sodium and water transport mechanisms in amphibian epithelial cells and isolated renal tubules] De Sousa RC. **J Physiol (Paris)** 71(1):5A-71A, Jun 75 **(Fre)**

[Adaptation of trout to seawater. Effects on sodium plasma concentration, gill exchange and intestinal transport] Lahlou B, et al. **J Physiol (Paris)** 70(5):593-603, Dec 75 (Eng. Abstr.) **(Fre)**

[Sodium and water balance in the dog under halothane and methoxyflurane anesthesia (author's transl)] Finsterer U, et al. **Anaesthesist** 24(10):444-54, Oct 75 (Eng. Abstr.) **(Ger)**

[Sodium and water balance and renal function in volume expanded dogs under neuroleptanalgesia (author's transl)] Finsterer U, et al. **Anaesthesist** 24(11):483-90, Nov 75 (Eng. Abstr.) **(Ger)**

[Sodium- and water balance in the dog in the conscious state and under nitrous-oxide and barbiturate anesthesia (author's transl)] Finsterer U, et al. **Anaesthesist** 24(7):306-16, Jul 75 **(Ger)**

[Inhibition of the exchange of Na+ for K+ and and H+ by triamterene (in epithelia)(author's transl)] Knauf H, et al. **Arzneim Forsch** 26(4):484-6, Apr 76 (Eng. Abstr.) **(Ger)**

[Characteristic electrolyte changes in the hereditary myopathy and cardiomyopathy of the Syrian golden hamster (strain BIO 8262) (author's transl)] Lossnitzer K, et al. **Basic Res Cardiol** 70(5):508-20, Sep-Oct 75 (Eng. Abstr.) **(Ger)**

[Ionic mobility and ionic activity in the space adjacent human erythrocyte membranes] pp. 429-31. Wolf H, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythroxyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.** **(Ger)**

[Infusion therapy today. 2. Disorders of sodium and water balance. Pathophysiology, diagnosis and therapy] Gofferje H. **Med Welt** 27(18):879-83, 30 Apr 76 **(Ger)**

[Influence of disodium etidronate (EHDP) on plasma and urinary levels of sodium and potassium in humans] Gennari C, et al. **Boll Soc Ital Biol Sper** 51(14):873-7, 30 Jul 75 **(Ita)**

[Introduction to the problem of relationship between renin, sodium and hydric spaces in the pathogenesis of renal hypertension] Bianchi G, et al. **Minerva Nefrol** 19(2):96-103, Mar-Apr 72 **(Ita)**

[Proceedings: Sodium transport by the glandular epithelium] Arakawa Y, et al. **J Physiol Soc Jpn** 36(8-9):352, 1 Sep 74 **(Jpn)**

[Proceedings: Role of active transport of sodium in the thermogenic action of thyroid hormone] Asano Y. **J Physiol Soc Jpn** 36(8-9):355, 1 Sep 74 **(Jpn)**

[Proceedings: Action mechanism of reserpine in blocking active transport of sodium] Marushige F, et al. **J Physiol Soc Jpn** 36(8-9):354-5, 1 Sep 74 **(Jpn)**

[Proceedings: Permeability of 22Na and 125I in the cerebral vessels] Mori H, et al. **J Physiol Soc Jpn** 36(8-9):382-3, 1 Sep 74 **(Jpn)**

[Inappropriate metabolism of water and sodium in hyponatremia - with special reference to osmotic pressure and volume adjustment] Mizukoshi H, et al. **Jpn J Clin Med** 33(6):2008-14, Jun 75 **(Jpn)**

[Water and electrolyte metabolism in the kidney with special reference to the fluid transport in the proximal tubule] Yoshitoshi Y. **Jpn J Nephrol** 16(5):474-80, May 74 **(Jpn)**

[Model studies on sodium and water transport in isolated amphibian epithelia] Tyrakowski T, et al. **Postepy Hig Med Dosw** 30(3):347-71, May-Jun 76 **(Pol)**

[Ultrastructural-cytochemical features of the plasma membrane of sodium-transporting cells] Zufarov KA, et al. **Arkh Anat Gistol Embriol** 70(1):95-101, Jan 76 (Eng. Abstr.) **(Rus)**

[Electrogenesis in a model of 'boundary transport' in the sodium pump] Ambartsumian TG, et al. **Biofizika** 21(1):85-8, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Graph of sodium channel states] Ermishkin LN. **Biofizika** 21(1):94-100, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Rate of excitation propagation in a reduced Hodgkins-Huxley model. I. Rapid relaxation of the sodium current] Pastushenko VF, et al. **Biofizika** 20(4):675-81, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Potassium, sodium, calcium and chlorine ion content of Spirostomum ambiguum cells] Doronin IuK, et al. **Biol Nauki** (5):24-7, 1975 **(Rus)**

[Changes in the electric activity of the myocardial fibers of the guinea pig during local anaphylactic reactions under conditions of inactivation of 'rapid' sodium channels] Ignat'eva VB, et al. **Biull Eksp Biol Med** 79(4):91-4, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the changes in the membrane permeability of smooth muscle cells for Ca45 and Na22 isotopes under the action of catecholamines] Abramets II, et al. **Farmakol Toksikol** 38(5):543-7, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of thyrocalcitonin on the adenosine triphosphatase activity and the electrolyte balance of the rat myocardium] Smirnov PA, et al. **Farmakol Toksikol** 39(1):44-5, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Sodium release from tissue paracellular space under the influence of angiotensin II] Zolotova VF, et al. **Fiziol Zh SSSR** 62(4):631-5, Apr 76 (Eng. Abstr.) **(Rus)**

[Distribution of sodium in the tissues in experimental salt hypertension] Zolotova VF, et al. **Kardiologiia** 15(8):32-6, Aug 75 (Eng. Abstr.) **(Rus)**

[Electrolyte balance and secretory function of the stomach in patients with ulcers] Romaniak HI, et al. **Klin Khir** (11):16-9, Nov 75 (Eng. Abstr.) **(Rus)**

[Water-electrolyte metabolism in nonspecific ulcerative colitis] Brandina AM, et al. **Klin Med (Mosk)** 53(10):61-8, Oct 75 **(Rus)**

[Aldosterone in the urine among characteristics of sodium homeostasis in patients with food poisoning] Bunin KV, et al. **Klin Med (Mosk)** 52(2):3-2, Feb 74 **(Rus)**

[Disorders of water-electrolyte balance in fractures and burns] Kliachkin LM, et al. **Klin Med (Mosk)** 52(2):109-12, Feb 74 **(Rus)**

[The potential-dependent nature of the sodium pump of mollusk giant neuron membranes] Kononenko NI. **Neirofiziologiia** 7(4):428-33, 1975 (Eng. Abstr.) **(Rus)**

[Separation of the sodium and potassium channels in the surface membrane of mollusk nerve cells] Kostiuk PG, et al. **Neirofiziologiia** 8(2):183-91, 1976 (Eng. Abstr.) **(Rus)**

[The influence of aconitine on several properties of the sodium channels of the membranes of nodes of Ranvier] Mozhaeva GN, et al. **Neirofiziologiia** 8(2):152-60, 1976 (Eng. Abstr.) **(Rus)**

[Decrease in the maximum sodium permeability and slow sodium inactivation in Ranvier's nodes treated with trimecaine] Shishkova LD. **Neirofiziologiia** 8(4):418-25, 1976 (Eng. Abstr.) **(Rus)**

[Influence of epiphysectomy on the metabolism of electrolytes] Pronina NN, et al. **Probl Endokrinol (Mosk)** 21(4):88-91, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Ion transport in cotton seedling roots exposed to gamma-radiation] Kasymov AK. **Radiobiologiia** 16(1):126-8, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Abscence of the tetrodotoxin effect on sodium permeability under conditions of prolonged depolarization] Beritashvili DR, et al. **Tsitologiia** 18(1):74-9, Jan 76 (Eng. Abstr.) **(Rus)**

[A cytophotometric analysis of the activity of oxidative enzymes and Na, K-ATPASE in vertebrate nephrons at different levels of sodium transport in the kidney. Krestinskaia TV, et al. **Tsitologiia** 18(4):476-81, Apr 76 (Eng. Abstr.) **(Rus)**

[Study of the accumulation of sodium by the cells of the cortical substance of the kidney and the erythrocytes under various conditions storage] Bilenko MV, et al. **Vestn Akad Med Nauk SSSR** (12):57-62, 1975 (Eng. Abstr.) **(Rus)**

[Significance of extra- and intracellular redistribution of water and electrolytes of the myocardium and skeletal muscles in the therapeutic effects of UV-irradiation on experimental renal hypertension] Baronenko VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):348-55, Jul-Aug 75 **(Rus)**

[Sodium retaining effect of a solution of citric acid mixed with K and Ca chlorides under the intermittent influence of heat] Afanas'ev BG. **Vopr Pitan** (2):36-9, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Electrolyte metabolism during treatment of ulcer disease with ultrasonics] Ivancho ES, et al. **Vrach Delo** (10):93-6, Oct 75 (Eng. Abstr.) **(Rus)**

[Electrolyte metabolism in alcoholic patients during therapy and prolonged abstinence] Shishov VI. **Zh Nevropatol Psikhiatr** 76(2):241-4, 1976 (Eng. Abstr.) **(Rus)**

[Importance of local changes of sodium and potassium metabolism for resistance of the body to tourniquet trauma] Peci-Povoić E. **Vojnosanit Pregl** 32(6):662-4, Nov-Dec 75

(Ser)

[Potassium and sodium electrolyte ratio in the myocardium following death by hanging and electric current] Maárová E. **Soud Lek** 21(1):1–6, Feb 76 (Eng. Abstr.) **(Slo)**

[Endotoxin-'E. coli' E.68/11 and active sodium transport (author's transl)] Sanz Barrera F, et al. **Arch Farmacol Toxicol** 1(1):47–52, Mar 75 (Eng. Abstr.) **(Spa)**

[Sodium transport across the epithelium of the frog skin] Aceves J. **Bol Estud Med Biol** Suppl 1:45–58, 1974 **(Spa)**

[Factors responsible for renal sodium retention in hepatic cirrhosis with ascites] Arroyo V, et al. **Rev Clin Esp** 139(3):261–7, 15 Nov 75 (Eng. Abstr.) **(Spa)**

[The role of sodium metabolism in regulating the body's fluid spaces in experimental peritonitis] Hubs'kyí VI, et al. **Fiziol Zh** 21(4):505–11, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

[Influence of galascorbin on the levels of potassium and sodium in the organs and tissues of guinea pigs in burn disease] Hude ZZh, et al. **Ukr Biokhim Zh** 47(1):110–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Availability of Mg2+, Na+, and K+–ATPase in the nuclei of the skeletal muscles of rabbits normally and during experimental muscular dystrophy] Sylakova AI, et al. **Ukr Biokhim Zh** 47(1):31–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Proceedings: The effect of ATPase inhibition stimulated by sodium, magnesium and potassium upon the formation of free ammonia in the rat brain cortex slices. Dostálová K, et al. **Act Nerv Super (Praha)** 17(4):251–, 1975

Aldosterone secretion during high sodium cerebrospinal fluid perfusion of the brain ventricles. Abraham SF, et al. **Acta Endocrinol (Kbh)** 81(1):120–32, Jan 76

Calcium and stimulus secretion coupling in the neurohypophysis. V. The effects of the Ca2+ ionophores A23187 and X537 A on vasopressin release and 45Ca2+ efflux; interactions with sodium and a verapamil analogue (D600). Robinson IC, et al. **Acta Endocrinol (Kbh)** 83(1):36–49, Sep 76

Change in plasma renin substrate in lithium-intoxicated nephrectomized rats, and the effect of sodium on plasma renin and plasma renin substrate in lithium-intoxicated rats. Kierkegaard-Hansen A. **Acta Pharmacol Toxicol (Kbh)** 39(1):97–103, Jul 76

Spontaneous electrical activity in smooth muscles of the complex stomach and its changes under the influence of Na+ and Ca++ ions. Stoyanov IN, et al. **Agressologie** 16(5):295–9, 1975

Effect of sodium fluoride in acid solution on dissolution of powdered human enamel. Feagin F, et al. **Ala J Med Sci** 13(1):21–8, Jan 76

Cellular basis for reversal of hyperkalemic electrocardiographic changes by sodium. Ballantyne F 3d, et al. **Am J Physiol** 229(4):935–40, Oct 75

Gastrointestinal control of sodium excretion in sodium-depleted conscious rabbits. Carey RM, et al. **Am J Physiol** 230(6):1504–8, Jun 76

Low Na+ effects on PAH transport and permeabilities in isolated snake renal tubules. Dantzler WH, et al. **Am J Physiol** 230(2):256–62, Feb 76

Na+ dependence of in vitro pancreatic amylase release. Williams JA. **Am J Physiol** 229(4):1023–6, Oct 75

Ions and inotropy. Van Winkle WB, et al. **Annu Rev Physiol** 38:247–72, 1976 (144 ref.)

Lead ion activates phosphorylation of electroplax Na+- and K+-dependent adenosine triphosphatase ((NaK)-ATPase) in the absence of sodium ion. Siegel GJ, et al. **Arch Biochem Biophys** 174(2):744–6, Jun 75

Proceedings: The effects of low external sodium on contracture tension and Ca movements in goldfish ventricle. Busselen P, et al. **Arch Int Physiol Biochim** 83(2):337–40, May 75

Regulation of aldosterone in the guinea–pig—effect of oestrus cycle, pregnancy and sodium status. Whipp GT, et al. **Aust J Exp Biol Med Sci** 54(1):71–8, Feb 76

Transductive coupling in bioluminescence: effects of monovalent cations and ionophores on the calcium-triggered luminescence of Renilla lumisomes. Anderson JM, et al. **Biochem Biophys Res Commun** 68(4):1234–41, 23 Feb 76

Activation and inhibition of the action potential Na+ ionophore of cultured rat muscle cells by neurotoxins. Catterall WA. **Biochem Biophys Res Commun** 68(1):136–42, 12 Jan 76

The inhibition of the induction of ornithine decarboxylase by cations. Chen K, et al. **Biochem Biophys Res Commun** 70(1):212–20, 3 May 76

Action of methanethiol on membrane (Na+ , K+)-ATPase of rat brain. Quarfoth G, et al. **Biochem Pharmacol** 25(9):1039–44, 1 May 76

Harmaline inhibits the (Na+ + K+)-dependent ATPase by affecting both Na+ and K+ activation. Robinson JD. **Biochem Pharmacol** 24(21):2005–7, 1 Nov 75

Light-induced glutamate transport in Halobacterium halobium envelope vesicles. II. Evidence that the driving force is a light-dependent sodium gradient. Lanyi JK, et al. **Biochemistry** 15(8):1603–10, 20 Apr 76

Light-induced glutamate transport in Halobacterium halobium envelope vesicles. I. Kinetics of the light-dependent and the sodium-gradient-dependent uptake. Lanyi JK, et al. **Biochemistry** 15(8):1595–603, 20 Apr 76

Carrier-mediated sodium-dependent and calcium-dependent calcium efflux from pinched-off presynaptic nerve terminals (synaptosomes) in vitro. Blaustein MP, et al. **Biochim Biophys Acta** 419(2):295–308, 21 Jan 76

Carrier-mediated transfer of D-glucose in brush border vesicles derived from rabbit renal tubules. Na+-dependent versus Na+-independent transfer. Busse D, et al. **Biochim Biophys Acta** 401(2):231–43, 20 Aug 75

Effects of 4-acetamido-4'-isothiocyano-2,®-disulfonic stilbene on ion transport in turtle bladders. Ehrenspeck G, et al. **Biochim Biophys Acta** 419(3):555–8, 6 Feb 76

Na+-dependent phosphorylation of the rat brain (Na+ + K+)-ATPase. Possible non-equivalent activation sites for Na+. Foster D, et al. **Biochim Biophys Acta** 429(1):258–73, 11 Mar 76

Roles of sodium and potassium ions on p-aminohippurate transport in rabbit kidney slices. Gerencser GA, et al. **Biochim Biophys Acta** 406(1):108–19, 16 Sep 75

The effect of mono- and divalent cations on the quantum yields for electron transport in chloroplasts. Gross EL, et al. **Biochim Biophys Acta** 440(1):59–67, 9 JUL 76

Studies of a halophilic NADH dehydrogenase. II. Kinetic properties of the enzyme in relation to salt activation. Hochstein LI. **Biochim Biophys Acta** 403(1):58–66, 22 Sep 75

Involvement of sulfhydryl groups in the action of the insulin and radiation on thymocyte Na+-dependent amino acid transport. Kwock L, et al. **Biochim Biophys Acta** 419(1):93–103, 8 Jan 76

The effects of removal of sodium ions from the mucosal solution on sugar absorption by rabbit ileum. Naftalin RJ, et al. **Biochim Biophys Acta** 419(2):385–90, 21 Jan 76

Effects of potassium ions and sodium ions on membrane potential of epithelial cells in rat duodenum. Okada Y, et al. **Biochim Biophys Acta** 413(1):104–15, 17 Nov 75

Effect of alkali ions on the active transport of neutral amino acids into Streptomyces hydrogenans. Ring K, et al. **Biochim Biophys Acta** 433(3):615–29, 21 May 76

Mechanisms by which Li+ stimulates the (Na+ and K+)-dependent ATPase. Robinson JD. **Biochim Biophys Acta** 413(3):459–71, 16 Dec 75

Comparison of two-pulse sodium inactivation with reactivation in Myxicola giant axons. Schauf CL. **Biophys J** 16(3):245–8, Mar 76

The different effects of D-600 (methoxyverapamil) on the release of adrenal catecholamines induced by acetylcholine, high potassium or sodium deprivation. Pinto JE, et al. **Br J Pharmacol** 57(1):127–32, May 76

Sodium and calcium ions in the control of temperature set-point in the pigeon. Saxena PN. **Br J Pharmacol** 56(2):187–92, Feb 76

Development of the influences of sodium, catecholamine and tricyclic antidepressent drug on the uptake of [3H]5-hydroxytryptamine by rat brain synaptosomes. Nomura Y, et al. **Brain Res** 100(3):705–9, 26 Dec 75

The effect of NaF and SnF2 mouthrinses on bacterial colonization of tooth enamel: TEM and SEM studies. Tinanoff N, et al. **Caries Res** 10(6):415–26, 1976

The effects of sodium, potassium and ATP on a developmental puff sequence in Drosophila salivary glands in vitro. Rensing L, et al. **Cell Differ** 4(4):209–17, Oct 75

Renin release by rat kidney slices incubated in vitro. Role of sodium and of alpha- and beta-adrenergic receptors, and effect of vincristine. Capponi AM, et al. **Circ Res** 39(2):200–3, Aug 76

Action potential changes under varied [Na+]0 and [Ca2+]0 indicating the existence of two inward currents in cells of the rabbit atrioventricular node. Ruiz-Ceretti E, et al. **Circ Res** 39(3):326–36, Sep 76

Effect of proportional reduction of sodium intake on the adaptive increase in glomerular filtration rate/nephron and potassium and phosphate excretion in chronic renal failure in the rat. Espinel CH. **Clin Sci Mol Med** 49(3):193–200, Sep 75

Rat hepatic sodium plus potassium ion-dependent adenosine triphosphatase after treatment with digoxin and thyroxine. Lindsay R, et al. **Clin Sci Mol Med** 50(5):329–32, May 76

The influence of sodium intake on the pressor response to angiotensin II in the unanaesthetized rat. Slack BL, et al. **Clin Sci Mol Med** 50(4):285–91, Apr 76

Contractile vacuole function in Pseudocohnilembus persalinus: responses to variations in ion and total solute concentration. Hampton JR, et al. **Comp Biochem Physiol [A]** 55(1):1–4, 1976

The effect of sodium on 'paranoiac'- a membrane mutant of Paramecium. Satow Y, et al. **Comp Biochem Physiol [A]** 54(3):323–9, 1976

Influence of Na+, K+, Mg2+ and cooling on proteosynthesis in hemocytes of Galleria mellonella. Marek M, et al. **Comp Biochem Physiol [B]** 53(1):45–7, 1976

Effects of Na+ depletion, theophylline and 2,4-dinitrophenol on neutral amino acid influx and cyclic adenosine 3':5'-monophosphate levels in chicken small intestine. Burrill PH, et al. **Comp Biochem Physiol [C]** 53(2):95–9, 1976

Interactions between the redox state of the biophase and the effect of acetylcholine on the activity of (Na+ / K+) ATP-ase in Rana esculenta. Puppi A, et al. **Comp Biochem Physiol [C]** 50(1):75–9, 1 Jan 75

Na+-dependent amino acid transport in preimplantation mouse embryos. II. Metabolic inhibitors and nature of the cation requirement. Borland RM, et al. **Dev Biol** 46(1):192–201, Sep 75

Circadian rhythms of serum renin activity and serum corticosterone, prolactin, and aldosterone concentrations in the male rat on normal and low-sodium diets. Gomez-Sanchez C, et al. **Endocrinology** 99(2):567–72, Aug 76

Influence of sodium intake on vascular and adrenal angiotensin II receptors. Williams GH, et al. **Endocrinology** 98(6):1343–50, Jun 76

In vitro production of aldosterone by the rat adrenals after in vivo potassium- and sodium-loading and depletion. Debreceni L, et al. **Endokrinologie** 64(3):316–22, 1975

(Na+, K+)-activated adenosinetriphosphatase of axonal membranes, cooperativity and control. Steady-state analysis. Gache C, et al. **Eur J Biochem** 65(1):293–306, 17 May 76

Tightness and orientation of vesicles from guinea-pig kidney estimated from reactions of adenosine triphosphatase dependent on sodium and potassium ions. Walter H. **Eur J Biochem** 58(2):595–601, 15 Oct 75

Reconstitution of specific Na+-dependent D-glucose transport in liposomes by Triton X-100-extracted proteins from purified brush border membranes of rabbit kidney cortex. Crane RK, et al. **FEBS Lett** 67(2):214–16, 15 Aug 76

Effects of cholinergic agents and sodium ions on the levels of guanosine and adenosine 3':5'-cyclic monophosphates in neuroblastoma and neuroblastoma X glioma hybrid cells. Gullis RJ, et al. **FEBS Lett** 59(1):74–9, 1 Nov 75

Sodium-dependent glutamate transport in membrane vesicles of Escherichia coli K-12. Kahane S, et al. **FEBS Lett** 56(2):235–9, 15 Aug 75

An atraumatic routine method for determining in man the separate contributions of the juxta medullary and cortical nephrons to each individual kidney's function: demonstration of an effect of low and high salt intakes. p. 146. Britton KE, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Salt intake and intrarenal blood flow regulation in the rabbit. p. 179. Mimran A, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Energy coupling to Na+-dependent transport systems: evidence for an energy input in addition to transmembrane ion gradients. pp. 117–30. Kimmich GA, et al. **In: Gárdos G, Szász I, ed. Biomembranes: structure and function. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.35.**

Synthesis of adenosine triphosphate by sodium potassium adenosine triphosphatase. pp. 231–9. Post RL, et al. **In: Gárdos G, Szász I, ed. Biomembranes: structure and function. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.35.**

Adenosine triphosphate synthesis by sodium, potassium adenosine triphosphatase. pp. 92–103. Post RL, et al. **In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974.**

Effects of dietary sodium, diuretics and hypertension on renin and kallikrein. pp. 323–36. Johnston CI, et al. **In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.**

Influence of physical factors on the growth of insect cells in vitro. II. Sodium and potassium as osmotic pressure regulators of moth cell growth. Kurtti TJ, et al. **In Vitro** 11(5):274–85, Sep–Oct 75

On the electrical and mechanical properties of the longitudinal and circular muscles of the guinea-pig ileum. pp. 197–214. Kuriyama H, et al. **In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.**

Influence of the indigenous gastrointestinal microbial flora on duodenal Mg2+ -dependent and (Na+ + K+) -stimulated adenosine triphosphatase activities in mice. Yolton DP, et al. **Infect Immun** 13(4):1193–8, Apr 76

Incorporation of labelled retinol in bovine spermatazoa. II. Effect of calcium, magnesium, potassium and sodium on the incorporation, in vitro. Swarup D, et al. **Int J Vitam Nutr Res** 45(4):373–7, 1975

Valyl-transfer RNA formation stimulated by monovalent cations and spermine in rat liver. Romano M, et al. **Ital J Biochem** 25(3):245–50, May–Jun 76

Toxicity of sodium and chloride ions to Rhizobium spp. in broth and peat culture. Steinborn J, et al. **J Appl Bacteriol** 39(2):133–8, Oct 75

Specific ion concentration as a factor in barotolerant protein synthesis in bacteria. Smith WP, et al. **J Bacteriol** 126(2):654–60, May 76

The pre-steady state of Na+-K+-dependent ATPase after addition of Na+ ions. Transition of the phosphorylated intermediate from an ADP-sensitive to an ADP-insensitive form. Fukushima Y, et al. **J Biochem (Tokyo)** 78(4):749–55, October 75

Energetics of the Na+-dependent transport of D-glucose in renal brush border membrane vesicles. Beck JC, et al. **J Biol Chem** 250(22):8674–80, 25 Nov 75

Evidence for a new intermediate state in the mechanism of (Na+ + K+)-adenosine triphosphatase. Froehlich JP, et al. **J Biol Chem** 241(7):2186–8, 10 Apr 76

Specific sodium-22 binding to a purified sodium + potassium adenosine triphosphatase. Inhibition by ouabain. Kanike K, et al. **J Biol Chem** 251(15):4794–5, 10 Aug 76

Differential pattern of developmental changes of Na+ -stimulated and nonstimulated alkaline phosphatose

activities in a microsomal fraction of rat submandibular gland. Son Y, et al. **J Dent Res** 54(5):1100, Sep–Oct 75

An electrophysiological analysis of extra–axonal sodium and potassium concentrations in the central nervous system of the cockroach (Periplaneta americana L.). Thomas MV, et al. **J Exp Biol** 63(3):801–11, Dec 75

Comparison of the side-dependent effects of Na and K on orthophosphate–, UTP–, and ATP–promoted ouabain binding to reconstituted human red blood cell ghosts. Bodemann HH, et al. **J Gen Physiol** 67(5):527–45, May 76

Relationship of Na+–K+–activated ATPase to fluid production by Malpighian tubules of Locusta migratoria. Anstee JH, et al. **J Insect Physiol** 21(11):1779–84, Nov 75

The effect of sodium deficient perfusion on calcium exchange in cardiac tissue culture. Langer GA, et al. **J Mol Cell Cardiol** 8(4):321–8, Apr 76

Sodium–dependent high affinity choline uptake: a regulatory step in the synthesis of acetylcholine. Simon JR, et al. **J Neurochem** 26(5):909–22, May 76

A kinetic analysis of sodium dependent glutamic acid transport in peripheral nerve. Wheeler DD. **J Neurochem** 26(2):239–46, Feb 76

Sodium–sensitive nucleoside transport by Hymenolepis diminuta. McCracken RO, et al. **J Parasitol** 61(6):999–1005, Dec 75

Calcium–sodium antagonism on the frog's heart: a voltage–clamp study. Benninger C, et al. **J Physiol (Lond)** 259(3):617–45, Aug 76

Histamine release by exocytosis from rat mast cells on reduction of extracellular sodium: a secretory response inhibited by calcium, strontium, barium or magnesium. Cochrane DE, et al. **J Physiol (Lond)** 257(2):433–48, May 76

The effects of lithium and sodium on the potassium conductance of snail neurones. Partridge LD, et al. **J Physiol (Lond)** 254(3):551–63, Jan 76

Calcium and sodium ions as charge carriers in the action potential of an identified snail neurone. Standen NB. **J Physiol (Lond)** 249(2):241–52, Jul 75

Proceedings: The effect of low–sodium solution and lanthanum on the sodium activity of crab muscle fibres. Vaughan–Jones RD. **J Physiol (Lond)** 254(1):40P–41P, Jan 76

Magnetic resonance and kinetic studies of the mechanism of membrane–bound sodium and potassium ion– activated adenosine triphosphatase. Grisham CM, et al. **J Supramol Struct** 3(3):304–13, 1975

Effects of Na+ and other monovalent cations on Ca–efflux from synaptosomes. Ichida S, et al. **Jpn J Pharmacol** (1):31–7, Feb 76

Effects of Na+ and K+ on the resting membrane potential of the rabbit sinoatrial node cell. Noma A, et al. **Jpn J Physiol** 25(3):207–302, 1975

Effect of sodium intake on prostaglandin A, renin and aldosterone in normotensive humans. Payakkapan W, et al. **Kidney Int [Suppl]** :S283–90, Sep 75

Effect of external Na and K on tonus and drug–induced contractions of pulmonary artery strip from rabbits, particularly in relation to Ca. Araki H, et al. **Kobe J Med Sci** 21(3):77–88, Sep 75

Influence of the removal of external Na on the tonus and drug–induced contraction of the isolated rat rectum, particularly in relation to Ca. Taniyama K, et al. **Kobe J Med Sci** 21(4):97–108, Dec 75 (Eng. Abstr.)

Effects of aminophylline and the removal of external Na on the antispasmodic action of isoproterenol in isolated rat rectum, particularly in relation to Ca. Taniyama K, et al. **Kobe J Med Sci** 21(4):109–15, Dec 75

The effect of magnesium deficiency on serum aldosterone in rats fed two levels of sodium. Solounias BM, et al. **Life Sci** 17(8):1211–7, 15 Oct 75

Functional roles of luminal sodium and potassium in water transport across desert scorpion ileum. Ahearn GA, et al. **Nature** 261(5555):66–8, 6 May 76

Transepithelial potential difference in toad urinary bladder is not due to ionic diffusion. Finn AL. **Nature** 250(5466):495–6, 9 Aug 74

Adenosine response of the rat kidney after saline loading, sodium restriction and hemorrhagia. Osswald H, et al. **Pfluegers Arch** 357(3–4):323–33, 26 Jun 75

Renal proximal tubular buffer–(glycodiazine) transport. Inhomogeneity of local transport rate, dependence on sodium, effect of inhibitors and chronic adaptation. Ullrich KJ, et al. **Pfluegers Arch** 357(3–4):149–63, 26 Jun 75

Components of O2–uptake by excised frog nerve dependent upon externally supplied sodium ions. Brink F Jr. **Proc Natl Acad Sci USA** 72(10):3988–92, Oct 75

Sodium–stimulated amino acid uptake into isolated membrane vesicles from Balb/c 3T3 cells transformed by simian virus 40. Quinlan DC, et al. **Proc Natl Acad Sci USA** 73(5):1631–5, May 76

Effects of sodium intake on renal cortical blood flow distribution. Hsu CH, et al. **Proc Soc Exp Biol Med** 151(3):475–7, Mar 76

Studies on specific properties of dog heart (Na+–K+)–ATPase. Fedelešová M, et al. **Recent Adv Stud Cardiac Struct Metab** 9:303–9, 1976

Calcium uptake and storage in isolated heart mitochondria influenced by sodium and potassium ions. Noack E, et al. **Recent Adv Stud Cardiac Struct Metab** 5:165–70, 1975

Characterization of partially purified heart sarcolemmal Na+–K+–stimulated ATPase. Sulakhe PV, et al. **Recent Adv Stud Cardiac Struct Metab** 9:279–302, 1976

Sodium dependence of intestinal active transport of sugars in snail (Cryptomphalus hortensis Müller). Barber A, et al. **Rev Esp Fisiol** 31(4):271–5, Dec 75

Horizontal cell potentials: dependence on external sodium ion concentration. Waloga G, et al. **Science** 191(4230):964–6, 5 Mar 76

Forty–eight hour ice storage of kidneys: importance of cation content. Collins GM, et al. **Surgery** 79(4):432–5, Apr 76

Effect of sodium and potassium ions on the activity of human antitrombin–heparin cofactor. Machovich R, et al. **Thromb Res** 7(2):305–13, Aug 75

The role of sodium in the effect of food intake on renal lithium clearance in the rat. Smith DF. **Toxicol Appl Pharmacol** 33(2):276–80, Aug 75

The influence of sodium on the electrical and mechanical activity of the ureter. Hendrickx H, et al. **Urol Res** 3(4):159–63, 30 Dec 75

[Influence of various sodium loads on the intracortical distribution of renal blood flow. Microsphere study in rats] Lameire N, et al. **J Urol Nephrol (Paris)** 81(9):703–6, Sep 75 **(Fre)**

[Demonstration of subcomponents of PIII in the ERG of isolated rabbit retina using sodium asparaginate] Reichenbach A, et al. **Acta Biol Med Ger** 34(5):857–63, 1975 (Eng. Abstr.) **(Ger)**

[Chemical degradation of cereal straw. 5. Effect of sodium in NaOH–treated straw on the composition of blood and urine and on the excretion of various compounds] Voigt J, et al. **Arch Tierernaehr** 24(7–8):589–600, Oct 74 (Eng. Abstr.) **(Ger)**

[Clinical studies on the short term use of 'Kavosan'] Heide EB, et al. **Dtsch Zahnaerztl Z** 30(11):749–53, Nov 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Competitive inhibition of responses of water receptors to Ca2+ in the frog tongue by Na+ and Mg2+] Kitada T, et al. **J Physiol Soc Jpn** 36(8–9):314, 1 Sep 74 **(Jpn)**

[The effect of sodium and potassium ions on serotonin absorption by lung tissue] Dubilel PV. **Biull Eksp Biol Med** 81(2):145–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Membrane currents induced by entrance of sodium ions into giant mollusk neurons] Kononenko NI, et al. **Neirofiziologiia** 7(5):541–9, 1975 **(Rus)**

[The effect of sodium, potassium and calcium ions on the functional characteristics of catfish electroreceptors] Zhadan GG, et al. **Neirofiziologiia** 7(4):403–10, 1975 (Eng. Abstr.) **(Rus)**

[Effect of mineral fertilizers on the microflora of corn roots] Epanchinov AV. **Prikl Biokhim Mikrobiol** 11(2):258–63, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Separate roles of sodium ion concentration and fluid volumes in salt–loading hypertension in sheep. Norman RA Jr, et al. **Am J Physiol** 229(4):1068–72, Oct 75

Kinetics of the slow variation of peak sodium current in the membrane of myelinated nerve following changes of holding potential or extracellular pH. Neumcke B, et al. **Biochim Biophys Acta** 426(2):245–57, 5 Mar 76

A kinetic model for the sodium conductance system in squid axon. Moore JW, et al. **Biophys J** 16(2 Pt 1):171–92, Feb 76

Slow sodium inactivation in Myxicola axons. Evidence for a second inactive state. Schauf CL, et al. **Biophys J** 16(7):771–8, Jul 76

A voltage clamp study of the sodium, calcium and chloride spikes of chick skeletal muscle cells grown in tissue culture. Fukuda J, et al. **Dev Biol** 49(2):412–24, Apr 76

Transmembrane ionic currents in smooth muscle cells of ureter during excitation. pp. 65–75. Bury VA, et al. **In: Büllbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Mechanism of action of hypothalamic releasing hormones. Role of ions in the release of adenohypophysial hormones. pp. 207–15. Kraicer J. **In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973.** (18 ref.)

Ionic concepts of the set–point for body temperature. pp. 371–90. Myers RD. **In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973.**

Proceedings: Relationship between angiotensin II and sodium status in the control of blood pressure: studies in anephric subjects and in subjects with renal hypertension. Cuesta V, et al. **J Endocrinol** 68(3):12P–13P, Mar 76

Na is essential for activation of the inseminated sea urchin egg. Chambers EL. **J Exp Zool** 197(1):149–54, Jul 76

Role of intracellular calcium and sodium in light adaptation in the retina of the honey bee drone (Apis mellifera, L). Bader C, et al. **J Gen Physiol** 67(4):475–91, Apr 76

The effects of external K+ and Na+ on the chemotaxis of rabbit peritoneal neutrophils. Showell HJ, et al. **J Immunol** 116(1):99–105, Jan 76

Cation–dependent structures associated with membranes in the rat central nervous system. Karlsson UL, et al. **J Neurocytol** 4(5):537–42, Oct 75

Mechanism of frequency–dependent inhibition of sodium currents in frog myelinated nerve by the lidocaine derivative GEA. Courtney KR. **J Pharmacol Exp Ther** 195(2):225–36, Nov 75

Cell electrical potentials during enhanced sodium extrusion in guinea–pig kidney cortex slices. Proverbio F, et al. **J Physiol (Lond)** 250(3):559–78, Sep 75

The depence of Na–efflux on the external Na concentration at various membrane potentials in squid axons. Kitasato H, et al. **J Physiol Soc Jpn** 36(12):510–2, Dec 74

Proceedings: Affinity of giant nerve fibers to sodium during the static phase. Kitazato Y, et al. **J Physiol Soc Jpn** 36(8–9):360, 1 Sep 74

The classification and treatment of essential hypertension using the renin–sodium index for vasoconstriction–volume analysis. Laragh JH. **Johns Hopkins Med J** 137(4):184–94, Oct 75

Hypertension of chronic renal failure: role of sodium and the renal pressor system. del Greco F, et al. **Kidney Int [Suppl]** (2):176–83, Jan 75 (59 ref.)

Role of sodium in neuronal uptake of monoamines and amino acid precursors. Bruinvels J. **Nature** 257(5527):606–7, 16 Oct 75

Further experimental evidence for the synapse hypothesis of Na+–current activation and inactivation at the Ranvier node. Tippe A, et al. **Naturwissenschaften** 62(10):490–1, Oct 75

Functional organization of mechanoreceptors. Ilyinsky OB, et al. **Prog Brain Res** 43:195–203, 1976

[Production of aldosterone by the regenerated adrenal gland after neonatal autograft in the normal, and the sodium deprived rat] Brudieux R. **C R Soc Biol (Paris)** 169(6):1412–7, 1975 (Eng. Abstr.) **(Fre)**

[Proceedings: Extra–cellular ion concentration and glial cells of the cerebral cortex] Noda Y, et al. **J Physiol Soc Jpn** 36(8–9):287, 1 Sep 74 **(Jpn)**

[Rate of excitation propagation in a reduced Hodgkins–Huxley model. II. Slow relaxation of the sodium current] Pastushenko VF, et al. **Biofizika** 20(5):880–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Ionic mechanisms of stimulating the postsynaptic membrane of invertebrate central nervous system neurons] Shapovalov AI, et al. **Dokl Akad Nauk SSSR** 225(2):477–9, 11 Nov 75 **(Rus)**

[Bioelectrical characteristics of the membrane of identified Coretus corneus mollusk neurons A and B upon activation and blocking of the electrogenic sodium pump] Sologub MI, et al. **Fiziol Zh SSSR** 61(9):1331–6, Sep 75 (Eng. Abstr.) **(Rus)**

[The role of active ion transport in the generation of the receptor potential of isolated frog muscle spindles] Alekseev NP, et al. **Neirofiziologiia** 7(4):416–21, 1975 (Eng. Abstr.) **(Rus)**

[Displacement currents of the sodium channels of the membranes of Ranvier's nodes] Lonskiĭ AV, et al. **Neirofiziologiia** 8(4):410–7, 1976 (Eng. Abstr.) **(Rus)**

POISONING

[An ultrastructural research of pancreatic islets in sodium nitrite poisoned rabbits (author's transl)] Violante A, et al. **Ann Ist Super Sanita** 10(3–4):171–7, 1974 (Eng. Abstr.) **(Ita)**

SECRETION

Effect of substance P on nasal gland secretion in the domestic duck (Anas platyrhynchos). Cheeseman J, et al. **Gen Comp Endocrinol** 27(4):527–30, Dec 75

Secretion of electrolytes by the pancreas of the anaestetized rat. Sewell WA, et al. **J Physiol (Lond)** 252(2):379–96, Nov 75

Sodium secretion as part of the formation of gastric juice. Obrink KJ. **Ups J Med Sci** 80(2):65–70, 1975

THERAPEUTIC USE

Rapid infusion of sodium bicarbonate and albumin into high–risk premature infants soon after birth: a controlled, prospective trial. Bland RD, et al. **Am J Obstet Gynecol** 124(3):263–7, 1 Feb 76

Sodium polystyrene sulfonate resin candy for control of potassium in chronic dialysis patients. Johnson K, et al. **Clin Nephrol** 5(6):266–8, Jun 76

Suppression of the renin–aldosterone system in mild essential hypertension. Khokhar AM, et al. **Clin Sci Mol Med** 50(4):269–76, Apr 76

Early skeletal effect of alkali therapy upon the osteomalacia of renal tubular acidosis. Mautalen C, et al. **J Clin Endocrinol Metab** 42(5):875–81, May 76

Effect of sodium intake on gentamicin nephrotoxicity in the rat. Bennett WM, et al. **Proc Soc Exp Biol Med** 151(4):736–8, Apr 76

[Past and present aspects of diarrheal disease in childhood. Clinical study and treatment (author's transl)] Guggenbichler JP, et al. **Infection** 3(4):189–201, 1975 (Eng. Abstr.) **(Ger)**

[The pros and cons of sodium fluoride therapy in osteoporosis] Zippel C, et al. **Z Alternsforsch** 30(2):173–9, 1975 **(Ger)**

[Evaluation of the use of sodium bicarbonate in a group of children with diarrhea, 10 per cent dehydration and metabolic acidosis] Portocarrero AC, et al. **Bol Med Hosp Infant Mex** 33(3):495–506, May–Jun 76 (Eng. Abstr.) **(Spa)**

URINE

Sodium and calcium urinary excretion in normal and

hypertensive patients. Uza GI, et al. **Acta Med Iugosl** 29(5):393–8, 1975

A comparison between the central effects of angiotensin II and its fragments, Des1-angiotensin II and Des1,2-angiotensin II. Eriksson L, et al. **Acta Physiol Scand** 96(1):134–6, Jan 76

Evidence for a hormone other than aldosterone which controls urinary sodium excretion. de Wardener HE, et al. **Adv Nephrol** 1:97–111, 1971 (42 ref.)

Nomograms relating aldosterone excretion to urinary sodium and potassium in the pediatric population: their application to the study of childhood hypertension. New MI, et al. **Am J Cardiol** 37(4):658–66, 31 Mar 76

Familial aggregation of urinary kallikrein concentration in childhood: relation to blood pressure, race and urinary electrolytes. Zinner SH, et al. **Am J Epidemiol** 104(2):124–32, Aug 76

Kidney and urinary bladder functions of the rainbow trout in Mg and Na excretion. Beyenbach KW, et al. **Am J Physiol** 229(2):389–93, Aug 75

Relationship between clearances of Ca and Na: effect of distal diuretics and PTH. Costanzo LS, et al. **Am J Physiol** 230(1):67–73, Jan 76

Metabolic and hormonal mechanisms of mineral metabolic adaptation to induced hypokinetics in rats. Saiki H, et al. **Aviat Space Environ Med** 47(8):846–52, Aug 76

Effects of alpha-adrenergic blockade on sodium excretion in normal and chronic salt retaining dogs. Chou SY, et al. **Can J Physiol Pharmacol** 54(03):209–18, Jun 76

Evidence for sodium specificity of the receptors in the fourth cerebral ventricle affecting sodium excretion in the cat. Thornborough JR, et al. **Can J Physiol Pharmacol** 53(4):677–9, Aug 75

Determination of Na+ and K+ in urine with ion-selective electrodes in an automated analyzer. Pelleg A, et al. **Clin Chem** 21(11):1572–4, Oct 75

Effect of diazoxide on renal handling of sodium in the rat. Fine LG, et al. **Clin Sci Mol Med** 49(3):277–82, Sep 75

Plasma uric acid concentration related to the urinary excretion of aldosterone and of electrolytes in normal subjects. Ramsay LE, et al. **Clin Sci Mol Med** 49(6):613–6, Dec 75

Renal hydromineral metabolism in starry flounder, Platichthys stellatus. Foster RC. **Comp Biochem Physiol [A]** 55(2a):135–40, 1976

Changes in circadian sodium excretion in patients with essential hypertension and with renal artery stenosis. Stříbrná J, et al. **Cor Vasa** 18(1):11–25, 1976

Water and sodium excretion during extracellular fluid volume expansion in hereditary diabetes insipidus rats. Ponec J, et al. **Curr Probl Clin Biochem** 4:237–9, 1975

Drug-induced renal medullary necrosis. IV. Effects on the urinary sodium output and systemic blood pressure. Shimamura T. **Exp Mol Pathol** 25(1):1–8, Aug 76

Paradoxical reversal of the suppressed potassium secretion during treatment with combinations of antikaluretic agents (spironolactone, canrenone, triamterene, amiloride); a possible site of action in Henle's loop. Radó JP, et al. **Horm Metab Res** 8(3):250–1, May 76

Temporal relationships of urinary constituents before and after long duration space flight. pp. 81–99. Leach CS, et al.
In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.

The Na+-retaining action of angiotensin II in the rat: inhibition of this action by vasopressin. p. 137. Al-Merani SA, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Urinary calcium excretion in patients with the nephrotic syndrome; relationship with sodium excretion. p. 169. Joekes AM, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Effects of water immersion on renal hemodynamics in normal man. Epstein M, et al. **J Appl Physiol** 41(2):230–3, Aug 76

Failure of endogenous prolactin to alter renal salt and water excretion and adrenal function in man. Baumann G, et al. **J Clin Endocrinol Metab** 43(3):643–9, Sep 76

The effect of inhibition of prostaglandin synthesis on urinary sodium excretion in the conscious dog. Kirschenbaum MA, et al. **J Clin Invest** 57(2):517–21, Feb 76

Impaired renal conservation of sodium and chloride during sustained correction of systemic acidosis in patients with type 1, classic renal tubular acidosis. Sebastian A, et al. **J Clin Invest** 58(2):454–69, Aug 76

Plasma renin activity and sodium excretion in normal and hypertensive Chinese. Chen WY, et al. **J Formosan Med Assoc** 74(8):525–33, Aug 75

The effect of the plasma bicarbonate level on proximal tubule sodium reabsorption in NH4Cl-loaded dogs. Levin DL, et al. **J Lab Clin Med** 87(5):804–12, May 76

Plasma renin activity in normal children: its relationship to age and rates of excretion of sodium and potassium. Hiner LB, et al. **J Pediatr** 89(2):258–61, Aug 76

A note on the properties of urine excreted by grazing cattle. Richards IR, et al. **J Sci Food Agric** 27(5):426–8, May 76

The FENa test. Use in the differential diagnosis of acute renal failure. Espinel CH. **JAMA** 236(6):579–81, 9 AUG 76

Sodium excretion and sympathetic activity in relation to severity of hypertensive disease. Berglund G, et al. **Lancet** 1(7955):325–8, 14 Feb 76

Effect of carbohydrate intake on the urinary excretion of magnesium, calcium and sodium in fasting obese patients. Fleming LW, et al. **Nephron** 16(1):64–73, 1976

Influence of volume expansion, serum sodium, and fractional excretion of sodium on urate excretion. Diamond H, et al. **Pfluegers Arch** 356(1):47–57, 9 Apr 75

Reversal of chronic renal hypertension: role of salt and water excretion. Neubig RR, et al. **Proc Soc Exp Biol Med** 150(1):254–6, Oct 75

Effects of aspirin on renal sodium excretion, blood pressure, and plasma and extracellular fluid volume in salt-loaded rats. Susic D, et al. **Prostaglandins** 10(5):825–31, Nov 75

Renal excretion of monovalent cations during functional adrenalectomy in conscious sheep. Foster JL, et al. **Q J Exp Physiol** 60(3):193–206, Jul 75

Fasting urine excretion of magnesium, calcium, and sodium in patients with renal calcium stones. Schwille PO, et al. **Urol Res** 4(1):33–43, 21 Apr 76

[Relation between glucose and sodium absorption in renal glycosuria (author's transl)] Páv J, et al. **Cas Lek Cesk** 114(30):939–41, 25 Jul 75 (Eng. Abstr.) **(Cze)**

[Proceedings: Effect of parathyroid hormone on the renal excretion of sodium and bicarbonate ions] Plante GE, et al. **J Urol Nephrol (Paris)** 81(9):717–8, Sep 75 **(Fre)**

[Na+/K+--quotient in the urine] Truniger B. **Dtsch Med Wochenschr** 100(38):1918–9, 19 Sep 75 **(Ger)**

[Effect of furosemide on renal excretion of calcium, sodium and inorgamic phosphates in chronic renal failure] Raszeja-Wanic B, et al. **Pol Arch Med Wewn** 54(2):195–202, Aug 75 (Eng. Abstr.) **(Pol)**

[Urinary excretion of sodium and potassium in acute myocardial infarct] Zakatova LV. **Vrach Delo** (8):18–21, Aug 75 (Eng. Abstr.) **(Rus)**

SODIUM CEPHALOTHIN see **CEPHALOTHIN**

SODIUM CHLORIDE

see related
DIET, SALT-FREE

Elimination of thallium in rats as influenced by Prussian Blue and sodium chloride. Manninen V, et al. **Acta Pharmacol Toxicol (Kbh)** 39(2):256–61, Aug 76

Prevention of milk fever (hypocalcemic paresis puerperalis) by dietary salt supplements. Dishington IW. **Acta Vet Scand** 16(4):503–12, 1975

Letter: Fortification of salt with iron. Foy H. **Am J Clin Nutr** 29(9):935–6, Sep 76

Blood pressure, salt preference, salt threshold, and relative weight. Lauer RM, et al. **Am J Dis Child** 130(5):493–7, May 76

Amniotic fluid removal prior to saline abortion. Mehta AC, et al. **Ann Chir Gynaecol Fenn** 65(1):68–71, 1976

Osmophilous fungi in the salt marshes of Kuwait. Moustafa AF. **Can J Microbiol** 21(10):1573–80, Oct 75

Changes in cardiovascular and adrenal cortical responses to angiotensin III induced by sodium deprivation in the rat. Peach MJ, et al. **Circ Res** 38(6 Suppl 2):117–21, Jun 76

Screening for drug abuse: use of NaCl to increase drug recovery from papers coated with ion-exchange resin. Alexander GJ. **Clin Chem** 21(12):1803–4, Nov 75

Denaturation of collagen fibers in NaI, NaCl and water of different pH values as studied by differential scanning calorimetric measurements. Hellauer H, et al. **Connect Tissue Res** 3(4):227–30, 1975

Compartmentalization of NaCl in frozen solutions of antifreeze glycoproteins. Lin Y, et al. **Cryobiology** 13(3):334–40, Jun 76

The H2O-NaCl-glycerol phase diagram and its application in cryobiology. Shepard ML, et al. **Cryobiology** 13(1):9–23, Feb 76

Observations of rapid freezing of salt solutions. Tanner JE. **Cryobiology** 12(4):351–63, Aug 75

The role of ACTH and adrenal glucocorticoids in the salt appetite of wild rabbits (Oryctolagus cuniculus (L)). Blaine EH, et al. **Endocrinology** 97(4):793–801, Oct 75

Methods for limiting the content of dimethylnitrosamine in Chinese marine salt fish. Fong YY, et al. **Food Cosmet Toxicol** 14(2):95–8, Apr 76

Saline pollution of two boreholes at Canvey Island. pp. 263–5.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Saline pollution of underground supply at Leicester Lane Borehole. South Warwickshire Water Board, Leamington, Warwickshire, England. pp. 256–8.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Saline underseepage problems at Chowilla dam. pp. 266–8. Haws ET.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Membrane structure and salt dependence in extremely halophilic bacteria. pp. 295–303. Lanyi JK.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Influence of monovalent cations on aminoacylation of transfer RNA. Deobagkar DN, et al. **Indian J Biochem Biophys** 13(1):24–30, Mar 76

Sequential responses of the renin-angiotensin-aldosterone axis to acute postural change: effect of dietary sodium. Tuck ML, et al. **J Lab Clin Med** 86(5):754–63, Nov 75

Sodium chloride equivalents, cryoscopic properties, and hemolytic effects of certain medicinals in aqueous solution. III: Supplemental values. Sapp C, et al. **J Pharm Sci** 64(11):1884–6, Nov 75

Metabolic evidence that regional hypothermia induced by cold saline protects the heart during ischemic arrest. Rao KS, et al. **J Surg Res** 20(5):421–5, May 76

Letter: Coagulation disorders after hypertonic-saline abortion. ten Cate JW, et al. **Lancet** 1(7952):205, 24 Jan 76

Immunity of Fischer 344 rats to salt hypertension. Hall CE, et al. **Life Sci** 18(9):1001–7, 1 May 76

The pineal gland and the effect of neonatal administration of androgen upon the development of spontaneous salt and water intake in female rats. Křeček J, et al. **Neuroendocrinology** 18(2):137–43, 1975

Sodium chloride preference in hypertensive (H) and normotensive (N) rats. Ben-Ishay D, et al. **Pfluegers Arch** 361(2):153–7, 30 Jan 76

Blood pressure of rats as affected by diet and concentration of NaCl in drinking water. Beebe CG, et al. **Proc Soc Exp Biol Med** 151(2):395–9, Feb 76

NaCl intake and preference threshold of spontaneously hypertensive rats. Fregly MJ. **Proc Soc Exp Biol Med** 149(4):915–20, Sep 75

Changes in sichemic coronary vasodilation produced by blood, plasma, and saline infusions. Bittar N, et al. **Recent Adv Stud Cardiac Struct Metab** 10:475–82, 1975

Preferences for sweet and salty in 9- to 15-year-old and adult humans. Desor JA, et al. **Science** 190(4215):686–7, 14 Nov 75

Exchange transfusion in Reye's syndrome with saline-washed red blood cells. Casper JT, et al. **Transfusion** 16(2):130–4, Mar-Apr 76

An improved method for the reconstitution of frozen red blood cells. Moghaddam M. **Vox Sang** 30(4):317–20, 1976

[Late therapeutic abortion induced by intra-amniotic injection of a hypertonic saline solution] Wyss R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(8):1189–1206, Dec 74 (Eng. Abstr.) **(Fre)**

[Prevention of dental caries with a method of fluoridating table salt] Tóth K. **Rev Stomatol Chir Maxillofac** 77(2):393–5, Mar 76 **(Fre)**

[Urinary excretion of fluorides in inhabitants of the Canton Vaud who consume fluoridated salt as compared with that of the inhabitants of neighboring cantons who consume nonfluoridated salt] Peters G, et al. **Soz Praeventivmed** 20(6):263–71, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[The daily consumption of table salt in relation to body weight] Tóth K, et al. **Dtsch Zahnaerztl Z** 30(3):231–6, Mar 75 (Eng. Abstr.) **(Ger)**

[Evaluation of the biological effect of solutions of chloride salts used for dust removal under conditions of subfreezing temperature] Aronova GV, et al. **Gig Sanit** (5):35–9, May 76 (Eng. Abstr.) **(Rus)**

[Relationship between corticosteroids, catecholamines and electrolytes in rats kept on sodium-rich diet] Shorin IP, et al. **Kardiologiia** 15(8):43–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Significance of excessive consumption of salt in the etiology of arterial hypertension] Zham'ianova DTs. **Kardiologiia** 15(6):135, Jun 75 **(Rus)**

[Morphological and histochemical study of the mechanism of the therapeutic effect of iodine-bromine-sodium chloride baths in experimental atherosclerosis] Ponizovskaia EV. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):538–45, Nov-Dec 75 **(Rus)**

ADMINISTRATION & DOSAGE

Replacement of blood loss with physiological saline in major surgery. Lund B, et al. **Acta Chir Scand** 141(6):461–6, 1975

A comparative study of intra-amniotic saline and two prostaglandin F2alpha dose schedules for midtrimester abortion. Edelman DA, et al. **Am J Obstet Gynecol** 125(2):188–95, 15 May 76

Natriuresis induced by intracarotid infusion of hypertonic NaCl. Zucker IH, et al. **Am J Physiol** 230(2):427–33, Feb 76

Effect of pretreatment of rat spermatozoa with high concentrations of NaCl on sperm capacitation and fertilization of eggs in vitro. Niwa K, et al. **Biol Reprod** 13(2):187–9, Sep 75

The distribution within the placenta, myometrium, and decidua of 24Na-labelled hypertonic saline solution following intra-amniotic or extra-amniotic injection. Gustavii B. **Br J Obstet Gynaecol** 82(9):734–9, Sep 75

A comparison on natriuresis after oral and intravenous sodium loading in sodium-depleted rabbits: evidence for a gastrointestinal or portal monitor of sodium intake. Lennane RJ, et al. **Clin Sci Mol Med** 49(5):433–6, Nov 75

A comparison of natriuresis after oral and intravenous sodium loading in sodium-depleted man: evidence for a gastrointestinal or portal monitor of sodium intake. Lennane RJ, et al. **Clin Sci Mol Med** 49(5):437–40, Nov 75

Saline lavage: a rapid, effective, and acceptable method for cleansing the gastrointestinal tract. Levy AG, et al. **Gastroenterology** 70(2):157–61, Feb 76

Colonic infusion in the management of the short bowel

syndrome. Rodgers JB, et al. **Gastroenterology** 70(2):186–9, Feb 76

Continuous postoperative peritoneal lavage in diffuse peritonitis using balanced saline antibiotic solution. Bhushan C, et al. **Int Surg** 60(10):526–8, Oct 75

Oral glucose–electrolyte solution in the treatment of cholera and other diarrhoeas. De S. **J Indian Med Assoc** 65(8):230–2, 16 Oct 75

Comparative evaluation of quantitative variation of 5 per cent intra–amniotic saline for mid–trimester abortion. Ghosh AK. **J Indian Med Assoc** 64(11):305–6, 1 Jun 75

Letter: Single solution for oral therapy of diarrhoea. Hirschhorn N. **Lancet** 2(7943):1049, 22 Nov 75

Letter: Oral rehydration in rural India. Sedgwick JR, et al. **Lancet** 1(7970):1194–5, 29 May 76

Drainage of the subretinal fluid and injection of saline solution into the vitreous body. Blagojević M, et al. **Mod Probl Ophthalmol** 15:169–73, 1975

Intraocular injection of balanced salt solution and/or air as aids in the release of subretinal fluid. Rodriguez A. **Mod Probl Ophthalmol** 15:158–62, 1975

Effects of intracarotid or intraruminal injections of NaCl or NaHCO3 on sodium appetite in goats. Baldwin BA. **Physiol Behav** 16(1):59–66, Jan 76

[Induction of second trimester abortion by infusion of intraamniotic hypertonic and extraamniotic physiological saline solution (author's transl)] Blum M, et al. **Geburtshilfe Frauenheilkd** 36(5):444–7, May 76 (Eng. Abstr.) **(Ger)**

[Use of sodium chloride in the German Federal Republic (author's transl)] Loew D, et al. **Klin Wochenschr** 53(23):1131–2, 1 Dec 75 (Eng. Abstr.) **(Ger)**

[Intra–amniotic administration of prostaglandin F 2 alpha, 12–methyl–prostaglandin F 2 alpha and hypertonic sodium chloride solution for induction of abortion in second–trimester pregnancy] Persianinov LS, et al. **Zentralbl Gynaekol** 97(19):1153–9, 1975 (Eng. Abstr.) **(Ger)**

[Termination of late–term pregnancy in intra–amniotic administration of prostaglandin and hypertonic saline solution] Chernukha EA, et al. **Akush Ginekol (Mosk)** (6):19–24, Jun 75 (Eng. Abstr.) **(Rus)**

[Effectiveness of peroral and infusion methods of rehydration in salmonellosis] Arshinov PS. **Klin Med (Mosk)** 54(2):98–101, Feb 76 (Eng. Abstr.) **(Rus)**

[Use of polidez for treating patients with endarteritis obliterans of the lower extremities] Litmanovich KI, et al. **Vestn Khir** 115(10):62–67, OCT 75 (Eng. Abstr.) **(Rus)**

[Treatment of arterial hypertension using high doses of salt and furosemide] del Rio Vazquez A, et al. **Rev Clin Esp** 139(6):553–7, 31 Dec 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hypertension, oedema, and suppressed renin aldosterone system due to unsupervised salt administration. Whitelaw AG, et al. **Arch Dis Child** 50(5):400–1, May 75

Proceedings: Hypophosphataemia: a complication of 'innocuous' dextrose–saline. Guillou PJ, et al. **Br J Surg** 63(8):667, Aug 76

Central and peripheral adrenergic mechanisms in the development of deoxycorticosterone–saline hypertension in rats. Reid JL, et al. **Circ Res** 37(5):569–79, Nov 75

Thiazide diuretics and salt consumption in the treatment of hypertension. pp. 119–29. Kirkendall WM, et al. **In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.** (31 ref.)

High salt intake and blood pressure in lower primates (Papio hamadryas). Cherchovich GM, et al. **J Appl Physiol** 40(4):601–4, Apr 76

Letter: Intrathecal saline injections for control of pain. **J Neurosurg** 43(4):510, Oct 75

Letter: Coagulation disorders after hypertonic–saline abortion. O'Brien JR. **Lancet** 1(7955):367, 14 Feb 76

Saline emetics and hypernatraemia: report on 2 fatalities. Goodbody RA, et al. **Med Sci Law** 15(4):261–4, Oct 75

Salt load as a trigger for migraine. Brainard JB. **Minn Med** 59(4):232–3, Apr 76

Pathophysiology of disseminated intravascular coagulation in saline–induced abortion. Laros RK Jr, et al. **Obstet Gynecol** 48(3):353–6, Sep 76

Salt and the development of essential hypertension. Weinsier RL. **Prev Med** 5(1):7–14, Mar 76

Relationship between the genetic and the ecologic factor in the determination of high blood pressure. Steinbach M, et al. **Rev Roum Med [Med Intern]** 13(4):261–3, 1975

[Reversible hypernatremic coma following therapeutic abortion with hypertonic saline] Reches A, et al. **Harefuah** 89(5):209–11, 1 Sep 75 (Eng. Abstr.) **(Heb)**

[Importance of the excess consumption of cooking salt in food in the origin of arterial hypertension (Report I)] Zham'ianova DTs. **Vestn Akad Med Nauk SSSR** (11):77–83, 1975 **(Rus)**

[Contribution to the pathogenesis of experimental hypertension in rabbits. The significance of stress and salt (author's transl)] Kadlec O, et al. **Bratisl Lek Listy** 64(5):544–54, Nov 75 (Eng. Abstr.) **(Slo)**

ANALYSIS

Letter: Sidium chloride aerosol penetration of respirator filters. Dorman RG, et al. **Am Ind Hyg Assoc J** 36(12):920, Dec 75

A simple method for analysis of iodine in iodated salt. Boonamsiri V, et al. **J Med Assoc Thai** 59(1):47, Jan 76

BLOOD

A continuous UV spectrum of NaCl enhanced by TCA and HCl in atomic absorption spectrophotometry. Siertsema LH. **Clin Chim Acta** 69(3):533–5, 15 Jun 76

DEFICIENCY

Evidence for enhanced distal tubule sodium reabsorption in chronic salt–depleted dogs. Chou SY, et al. **J Clin Invest** 57(5):1142–7, May 76

DIAGNOSTIC USE

Measurement of gastric emptying time—a comparative study between nonisotopic aspiration method and new radioisotopic technique. Chaudhuri TK, et al. **Am J Dig Dis** 20(11):1063–6, Nov 75

Inhalation of sodium chloride droplets with sputum production. Heyworth F. **Bull Int Union Tuberc** 49 suppl 1:189–91, Aug 74

Intravenous pyelographic visualization after complete ureteral obstruction with hypertonic solute loading. Woodruff MW, et al. **Invest Urol** 13(6):445–8, May 76

METABOLISM

Energy dependency on the salt–resistance of Staphylococcus aureus: Effects of various inhibitors on the growth in high salinity condition. Tomochika K. **Acta Med Okayama** 29(3):171–82, Jun 75

Inhibition of NaCl absorption from perfused rat ileum by furosemide. Humphreys MH. **Am J Physiol** 230(6):1517–23, Jun 76

Halophilic–blue–green algae. Brock TD. **Arch Microbiol** 107(1):109–11, Feb 76

Halobacterium volcanii spec. nov., a Dead Sea halobacterium with a moderate salt requirement. Mullakhanbhai MF, et al. **Arch Microbiol** 104(3):207–14, 28 Aug 75

Tricaine methanesulfonate—II. Effects on transport of NaCl and H2O. Ohr EA. **Comp Biochem Physiol [C]** 54(1):19–22, 1976

Effects of dorsal, mediobasal and laterobasal septal lesions in the rat: water and sodium chloride intake. Sterc J, et al. **Exp Neurol** 48(2):175–88, Aug 75

Salt supplementation of corn–soy diets for swine. Hagsten I, et al. **J Anim Sci** 42(1):12–5, Jan 76

Evaluation of dietary salt levels for swine. I. Effect on gain, water consumption and efficiency of feed conversion. Hagsten IB, et al. **J Anim Sci** 42(5):1187–90, May 76

Evaluation of dietary salt levels for swine. II Effect on blood and excretory patterns. Hagsten IB, et al. **J Anim Sci** 42(5):1191–5, May 76

Teleost chloride cell. I. Response of pupfish Cyprinodon variegatus gill Na,K–ATPase and chloride cell fine structure to various high salinity environments. Karnaky KJ Jr, et al. **J Cell Biol** 70(1):144–56, Jul 76

Intrarenal mechanisms of salt retention after bile duct ligation in rats. Yarger WE, et al. **J Clin Invest** 57(2):408–18, Feb 76

Analysis of the role of endogenous prolactin on fluid and sodium chloride absorption by the rat jejunum. Mainoya JR. **J Endocrinol** 67(3):343–9, Dec 75

Sodium chloride transport by rabbit gallbladder. Direct evidence for a coupled NaCl influx process. Frizzell RA, et al. **J Gen Physiol** 65(6):769–95, Jun 75

Models for coupling of salt and water transport; Proximal tubular reabsorption in Necturus kidney. Sackin H, et al. **J Gen Physiol** 66(6):671–733, Dec 75 (53 ref.)

A component of fluid absorption linked to passive ion flows in the superficial pars recta. Schafer JA, et al. **J Gen Physiol** 66(4):445–71, Oct 75

Regulation of cell volume and ion concentrations in a Halobacterium. Ginzburg M, et al. **J Membr Biol** 26(2–3):153–71, 18 Mar 76

A model of NaCl and water flow through paracellular pathways of renal proximal tubules. Huss RE, et al. **J Membr Biol** 23(3–4):305–47, 1975

Temporal and local concentration changes in diffusion layers at cellulose membranes due to concentration differences between the solutions on both sides of the membrane. Lerche D. **J Membr Biol** 27(1–2):193–205, 9 Jun 76

Proceedings: Reversal of theophylline–stimulated NaCl secretion in rabbit ileum by triaminopyrimidine. Naftalin RJ, et al. **J Physiol (Lond)** 258(1):27P=28P, Jun 76

Effect of chronic salt and water loading on the tubular defects of a child with Fanconi syndrome (cystinosis). Arant BS, et al. **Pediatrics** 58(3):370–7, Sep 76

Effect of parenteral acetazolamide on intestinal absorption of salt and water in man. Gerson CD, et al. **Proc Soc Exp Biol Med** 149(4):950–2, Sep 75

[Weight, edema, and salt in normal and toxemic pregnancies] Vokaer A. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):573–88, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[Transport of 131J–iodo–o–hippurate and 22Na out of the retroretinal space in experimental non rhegmatogenous detachment of the retina (author's transl)] Gloor BP, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):107–17, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Influence of occlusion of retinal vessels on the transport of 22Na and 131J–iodo–o–hippurate out of the subretinal space (experiments performed on cats) (author's transl)] Stürm R, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):119–27, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[The concentration of electrolytes and water in the walls of the frog gall bladder following absorption of an isotonic fluid] Iaremenko MS, et al. **Fiziol Zh SSSR** 62(2):275–82, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of ingestion of C1Na and proteins on the Na concentration in the renal papilla of the rat] Rabasa SL, et al. **Medicina (B Aires)** 36(1):36–41, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Adaptive changes in cardiolipin content of Staphylococcus aureus grown in different salt concentrations. Takatsu T. **Acta Med Okayama** 29(6):413–20, Dec 75

The effect on serum enzymes of intramuscular injections of digoxin, bumetanide, pentazocine and isotonic sodium chloride. Andersen KE, et al. **Acta Med Scand** 199(4):317–9, 1976

The effect of angiotensin infusion, sodium loading and sodium restriction on the renal and cardiac adrenergic nerves. Ljungqvist A. **Acta Pathol Microbiol Scand [A]** 83(6):661–8, Nov 75

Lack of stimulating effect of hypertonic Nacl intravenous injection on the release of melanocyte–stimulating hormone from the hypothalamic end of the cut pituitary stalk. Cyrkowicz A, et al. **Acta Physiol Pol** 27(1):101–3, Jan–Feb 76

Studies of cerebral osmoreceptors in anesthetized dogs: the effect of intravenous and intracarotid infusion of hyper–osmolar sodium chloride solutions during sustained water diuresis. Bie P. **Acta Physiol Scand** 96(3):306–18, Mar 76

Effects on renal water and sodium excretion of infusions of either iso–osmolar saline or a hypo–osmolar solution of non–electrolytes. Bie P. **Acta Physiol Scand** 96(3):319–23, Mar 76

Indomethacin blockade of renal PGE–synthesis: effect on total renal and tubular function and plasma renin concentration in hydropenic rats and on their response to isotonic saline. Leyssac PP, et al. **Acta Physiol Scand** 94(4):484–96, Aug 75

The effect on total renal and tubular function and plasma renin of a moderate isotonic saline load in rats anesthetized with amytal and inactin. Leyssac PP, et al. **Acta Physiol Scand** 94(4):472–83, Aug 75

Influence of altered CSF solute composition on parotid salivary secretion in goats. Olsson K. **Acta Physiol Scand** 97(2):196–201, Jun 76

Placental cultures for cytogenetic assessment in saline–aborted fetuses. Gardner HA, et al. **Am J Obstet Gynecol** 126(3):350–2, 1 Oct 76

Corneal thickness changes from bathing solutions. Chan RS, et al. **Am J Optom Physiol Opt** 52(7):465–9, Jul 75

Angiotensin II binding to renal glomeruli from sodium–loaded and sodium–depleted rats. Beaufils M, et al. **Am J Physiol** 230(5):1187–93, May 76

Sodium balance and the natriuresis of hypertonic saline infusion in dogs. Diaz–Buxo JA, et al. **Am J Physiol** 230(5):1183–6, May 76

Ion–osmotic hyperthermia during exercise in dogs. Greenleaf JE, et al. **Am J Physiol** 230(1):74–9, Jan 76

Effects of saline drinking on malignant course of renal hypertension in rats. Möhring J, et al. **Am J Physiol** 230(3):849–57, Mar 76

Renal responses of Australian lungfish to vasotocin, angiotensin II, and NaCl infusion. Sawyer WH, et al. **Am J Physiol** 231(2):593–602, Aug 76

Diaminobenzidine reactions of mitochondria stabilized with sodium chloride, sucrose and polyvinyl pyrrolidone. Litwin JA. **Ann Med Sect Pol Acad Sci** 21(1–2):77–8, 1976

Inhibition of dihydrostreptomycin binding to Mycobacterium smegmatis by monovalent and divalent cation salts. Beggs WH, et al. **Antimicrob Agents Chemother** 9(3):393–6, Mar 76

Physiology and ecology of bacteriophages of the marine bacterium Beneckea natriegens: salinity. Zachary A. **Appl Environ Microbiol** 31(3):415–22, Mar 76

Effect of temperature, salts, pH, and other factors on the development of peritrichous flagella in Vibrio alginolyticus. Ulitzur S. **Arch Microbiol** 104(3):285–8, 28 Aug 75

Activation of tyrosine hydroxylase by polyanions and salts. An electrostatic effect. Katz IR, et al. **Biochim Biophys Acta** 429(1):84–95, 11 Mar 76

Effects of irradiation on RNA synthesis primed by calf thymus deoxyribonucleoprotein treated with salt and salt–urea. Kobayashi T, et al. **Biochim Biophys Acta** 425(4):396–400, 2 Apr 76

The effect of salt on phospholipid fatty acid composition in Escherichia coli K–12. McGarrity JT, et al. **Biochim Biophys Acta** 398(2):258–64, 25 Aug 75

The effect of sodium chloride ingestion on food intake and on fat deposition in male rats. Drori D. **Br J Nutr** 35(2):195–200, Mar 76

The effect of high dietary sodium chloride on renal function in chicks. Martindale L. **Br Poult Sci** 16(6):577–81, Nov 75

Antidromically identified neurohypophysial neurosecretory neurons: effects of hemorrhage, retransfusion and hyperosmolal stimulation on unit activity in the rat. Metoki T. **Brain Res** 107(2):424–8, 7 May 76

Some properties of an unidentified halophile: growth characteristics, internal salt concentration, and

morphology. Matheson AT, et al. **Can J Microbiol** 22(6):780–6, Jun 76

Water, cations, and norepinephrine content of cardiovascular tissues of unilaterally nephrectomized dogs treated with deoxycorticosterone and NaCl. Constantopoulos G, et al. **Can J Physiol Pharmacol** 53(5):866–72, Oct 75

The renin–angiotensin system, dietary salt, and increased sensitivity to noradrenaline in mesenteric vasculature preparations from renal/salt hypertensive rats. Collis MG, et al. **Cardiovasc Res** 10(2):232–5, Mar 76

The effect of salt intake and adrenal steroids on blood pressure in a genetic strain of hypertensive rats. Louis WJ, et al. **Clin Exp Pharmacol Physiol** Suppl 2:131–6, 1975

The release of renal prostaglandins during saline infusion in normal and hypertensive subjects. Papanicolaou N, et al. **Clin Sci Mol Med** 49(5):459–63, Nov 75

The effects of hypertonic sodium chloride injection on body water distribution in ducks (An as platyrhynchos), gulls (Larus glaucesens) and roosters (Gallus domesticus). Ruch FE Jr, et al. **Comp Biochem Physiol [A]** 52(1):21–8, 1 Sep 75

Gastric reflux measurements during duodenal infusion with saline, acid and fat. Aste H, et al. **Digestion** 14(2):184–7, 1976

Sodium chloride suppression of renin release in the unanesthetized rat. Campbell WB, et al. **Endocrinology** 97(6):1394–7, Dec 75

Effect of 0.25 n sodium chloride treatment on DNA denaturation in situ in thymus lymphocytes. Darżynkiewicz Z, et al. **Exp Cell Res** 100(2):393–6, Jul 76

The influence of salt intake on glomerular count in compensatory kidney hypertrophy in rats of different ages. Kuneš J, et al. **Experientia** 32(7):887–8, 1976

Ultrastructural study of binucleation in cells of the rat adrenal glomerular zone after a prolonged low–sodium diet. Palacios G, et al. **Experientia** 32(7):909–11, 1976

The effect of saline infusion and postural changes on plasma aldosterone in hypertension. Sparano F, et al. **Folia Endocrinol (Roma)** 27(6pt2):758–66, Dec 74

Influence of environmental salinity on renal and adrenocortical function in the toad, Bufo marinus. Garland HO, et al. **Gen Comp Endocrinol** 27(2):136–43, Oct 75

Studies in avian adrenal steroid function. V: Hormone kinetics and the differentiation of mineralocorticoid and glucocorticoid effects. Thomas DH, et al. **Gen Comp Endocrinol** 26(4):440–50, Aug 75

Studies in avian adrenal steroid function. IV: Adrenalectomy and the response of domestic ducks (Anas platyrhynchos L.) to hypertonic NaCl loading. Thomas DH, et al. **Gen Comp Endocrinol** 26(4):427–39, Aug 75

Effect of vagotomy on the gastric secretory response to intraduodenal osmotic agents in man. Ward AS. **Gut** 17(1):48–53, Jan 76

Salt–mediated kill and inhibition of thermally injured (ribosome deficient) Staphylococcus aureus. pp. 137–44. Haight RD.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Failure of oral water loading and intravenous hypotonic saline to suppress plasma prolactin in man. Adler RA, et al. **J Clin Endocrinol Metab** 41(2):383–9, Aug 75

Use of cetylpyridinium chloride and sodium chloride for the decontamination of sputum specimens that are transported to the laboratory for the isolation of Mycobacterium tuberculosis. Smithwick RW, et al. **J Clin Microbiol** 1(5):411–3, May 75

Alterations in the hydrolytic activity, inhibitor sensitivity and molecular size of the rat erythrocyte cyclic AMP phosphodiesterase by calcium and hypertonic sodium chloride. Sheppard H, et al. **J Cyclic Nucleotide Res** 1(4):237–42, 1975

Ability of salt and acetic acid to extract human and animal gingival collagen. Schneir M, et al. **J Dent Res** 54(5):1095, Sep–Oct 75

Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. Maltier JP, et al. **J Endocrinol** 67(3):371–83, Dec 75

Changes in spores of Clostridium bifermentans caused by treatment with hydrogen peroxide and cations. Waites WM, et al. **J Gen Microbiol** 93(2):388–96, Apr 76

Membrane resistance change of the frog taste cells in response to water and Nacl. Sato T, et al. **J Gen Physiol** 66(6):735–63, Dec 75 (55 ref.)

Altered reabsorption of protein by the renal cortex in rats treated with hypertonic saline or mannitol. Straus W. **J Histochem Cytochem** 23(10):707–21, Oct 75

The effect of dietary sodium chloride on blood pressure, body fluids, electrolytes, renal function, and serum lipids of normotensive man. Kirkendall AM, et al. **J Lab Clin Med** 87(3):411–34, Mar 76

Sequential responses of the renin–angiotensin–aldosterone axis to acute postural change: effect of dietary sodium. Tuck ML, et al. **J Lab Clin Med** 86(5):754–63, Nov 75

Effects in rats of sodium chloride on experimental gastric cancers induced by
N–methyl–N–nitro–N–nitrosoguanidine or
4–nitroquinoline–1–oxide. Tatematsu M, et al. **J Natl Cancer Inst** 55(1):101–6, Jul 75

Brain tyrosine hydroxylase activity and systolic blood pressure in rats treated with either deoxycorticosterone and salt or angiotensin. Rylett P, et al. **J Pharm Pharmacol** 28(7):559–62, Jul 76

Influence of salt and volume on changes in rat brain angiotensin. Slaven B. **J Pharm Pharmacol** 27(10):782–3, Oct 75

Maturation of the renal response to hypertonic sodium chloride loading in rats: micropuncture and clearance studies. Baker JT, et al. **J Physiol (Lond)** 258(1):83–98, Jun 76

The effect of saline and hyperoncotic dextran infusion on canine ileal salt and water absorption and regional blood flow. Mailman D, et al. **J Physiol (Lond)** 252(1):97–113, Oct 75

Proceedings: The changes in renal function produced by infusion of hypertonic saline into the blood supplying a dog's kidney denervated by 'auto–transplantation'. Wilcox CS. **J Physiol (Lond)** 258(2):91P–92P, Jun 76

Influence of intrauterine saline infusion upon the oestrous cycle of the mare. Arthur GH. **J Reprod Fertil [Suppl]** (23):231–4, Oct 75

The influence of intrauterine saline infusion on luteal function and cyclical activity in the mare. Neely DP, et al. **J Reprod Fertil [Suppl]** (23):235–9, Oct 75

Selective suppression of cellular protein synthesis in BHK–21 cells infected with rabies virus. Madore HP, et al. **J Virol** 16(5):1351–4, Nov 75

Differential inhibition of vesicular stomatitis virus polypeptide synthesis by hypertonic initiation block. Nuss DL, et al. **J Virol** 17(1):283–6, Jan 75

Proceedings: The histochemical and ultrastructural changes of the adrenal cortex in SHR given NaCl solution. Hirano T, et al. **Jpn Heart J** 16(3):351–2, May 75

Control of calcium absorption: effect of sodium chloride loading and depletion. Meyer WJ 3d, et al. **Metabolism** 25(9):989–93, Sep 76

Stimulation of the peristaltic reflex by sodium chloride in guinea–pig isolated ileum. Beleslin DB, et al. **Neuropharmacology** 15(6):363–7, Jun 76

Equipotency of hypertonic solutions of mannitol and sodium chloride in eliciting thirst in the dog. Azczepanski–Sadowska E, et al. **Pfluegers Arch** 358(3):259–64, 28 Jul 75

Effect of daily saline, drug or blank injections on the susceptibility to the convulsant effect of drugs. Izquierdo I, et al. **Pharmacol Biochem Behav** 3(4):721–2, Jul–Aug 75

The effect of the electrolyte applied to the surface of the skin on the measured electrical potential difference in vivo; an explanation of the apparently contradictory results in the literature. Woodrough RE, et al. **Phys Med Biol** 20(6):1021–4, Nov 75

Lateral preoptic single unit activity: effects of various solutions. Blank DL, et al. **Physiol Behav** 15(6):723–30, Dec 75

Effects of water deprivation, NaCl injection, and seven aversive taste stimuli on drinking in two normal mouse strains and one with diabetes insipidus. Kutscher CL, et al. **Physiol Behav** 15(6):659–67, Dec 75

Effects of high intakes of dietary sodium sulphate and sodium chloride on voluntary food intake of rats. Upton PK, et al. **Proc Nutr Soc** 35(1):20A–21A, May 76

Evidence for hormonal participation in the natriuretic and kaliuretic responses to intraventricular hypertonic saline and norepinephrine. Morris M, et al. **Proc Soc Exp Biol Med** 152(1):95–8, May 76

Unimpeded plasma renin increase after intravenous furosemide during saline replacement. Hesse B, et al. **Scand J Clin Lab Invest** 36(1):23–8, Jan 76

Jejunal inhibition of pentagastrin–induced gastric acid secretion in man and Heidenhain pouch dogs. Christiansen J, et al. **Scand J Gastroenterol** 11(2):219–24, 1976

The enteroglucagon response to intrajejunal infusion of glucose, triglycerides, and sodium chloride, and its relation to jejunal inhibition of gastric acid secretion in man. Holst JJ, et al. **Scand J Gastroenterol** 11(3):297–304, 1976

Vasopressin and oxytocin are depleted from rat hypothalamic nuclei after oral hypertonic saline. George JM. **Science** 193(4248):146–8, 9 Jul 76

Genetic influence on saline consumption and salt hypertension as exhibited by the response of various rat strains and sub–strains. Hall CE, et al. **Tex Rep Biol Med** 33(4):509–17, 1975

Effect of heparin or saline dilution of blood on PCO2 and pH. Karendal B. **Ups J Med Sci** 80(3):175–7, 1975

Effect of sodium chloride on the staphylococcal growth in milk. Helmy ZA, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):334–42, 1975

Further observations of changed growth of Listeria monocytogenes on salt agar. Brzin B. **Zentralbl Bakteriol [Orig A]** 232(2–3):287–93, Jul 75

[Spermatozoal resistance to a 1% solution of sodium chloride] Nalbanski B. **Akush Ginekol (Sofiia)** 14(6):492–5, 1975 (Eng. Abstr.) **(Bul)**

[Influence of environmental salinity on blood ion concentration of the intact and hypophysectomized axolotl. Effect of prolactin] Wittouck PJ. **Gen Comp Endocrinol** 27(2):169–78, Oct 75 (Eng. Abstr.) **(Fre)**

[Abortive action of 20 percent NaCL and alpha F2 prostaglandin solutions administered intra–amniotically in rats] Hung NS, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(8):1169–88, Dec 74 (Eng. Abstr.) **(Fre)**

[Sodium chloride tolerance yeast strains of human microflora] Schönborn C. **Dermatol Monatsschr** 162(7):564–70, Jul 76 (Eng. Abstr.) **(Ger)**

[Selection of soil fungi in the presence of NaCl] Bruzzone ML, et al. **Ann Ist Super Sanita** 10(1–2):9–12, 1974 (Eng. Abstr.) **(Ita)**

[Effects of saline load on the changes of the S–T period and of the T wave in the electrocardiogram. Effect of NaCl] Arata L, et al. **Boll Soc Ital Cardiol** 18(1):15–7, 1973 (Eng. Abstr.) **(Ita)**

[Multiplication of Pseudomonas aeruginosa. (3) Multiplication of Pseudomonas aeruginosa in sodium chloride (NaCl) solution] Nakamura M, et al. **J Jpn Assoc Infect Dis** 49(6):251–7, Jun 75 (Eng. Abstr.) **(Jpn)**

[In vitro study of the antimicrobial action of some anions frequently used in the iontophoretic treatment of infected root canals] Stein M. **Rev Chir [Stomatol]** 21(4):305–18, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[The effect of hypertonic solutions on contracture of a tonic muscle fiber] Nasledov GA, et al. **Tsitologiia** 17(12):1383–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of various concentrations of NaCl upon pathogenous Staphylococci (author's transl)] Belanová A, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(5):293–9, Sep 75 (Eng. Abstr.) **(Slo)**

[Induced filament formation in Salmonella enteritidis by means of sodium chloride] Baykal M. **Mikrobiyol Bul** 10(2):169–78, Feb 76 (Eng. Abstr.) **(Tur)**

POISONING

Letter: Salt overdosage. **Br Med J** 4(5995):517, 29 Nov 75

Case of salt overdosage. McGouran RC. **Br Med J** 4(5993):386, 15 Nov 75

Letter: Salt overdosage. McGouran RC. **Br Med J** 4(5998):705, 20 Dec 75

Severe salt poisoning in an infant. Saunders N, et al. **J Pediatr** 88(2):258–61, Feb 76

[Intoxication after use of salt as an emetic (author's transl)] von Mühlendahl KE, et al. **Dtsch Med Wochenschr** 101(9):335–6, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Poisoning of swine with edible salt] Balutsa PI, et al. **Veterinariia** (8):93–4, Aug 75 **(Rus)**

RADIATION EFFECTS

Toxic effects upon bacteria of phosphate–buffered saline exposed in a high–frequency argon discharge. Brustad T, et al. **Radiat Res** 65(1):98–100, Jan 76

SECRETION

The sulfatides and some histochemical correlations of the lachrymal glands involved in salt secretion in Chelonia. Bolognani L, et al. **J Exp Zool** 195(2):179–90, Feb 76

THERAPEUTIC USE

Rapid correction of water intoxication by hypertonic saline and frusemide. Worthley LI. **Aust NZ J Med** 5(6):557–60, Dec 75

Comparison of intra–amniotic prostaglandin F2 alpha and hypertonic saline for induction of second–trimester abortion. **Br Med J** 1(6022):1373–6, 5 Jun 76

New non–steroid non–antibiotic skin medicaments. Copeman PW, et al. **Br Med J** 4(5991):264, 1 Nov 75

Bartter's syndrome: clinical study of its treatment with salt loading and propranolol. Schwartz GJ, et al. **Clin Nephrol** 4(2):45–51, Aug 75

The effect of indomethacin and prostaglandin (PGE2) on renal failure due to glycerol in saline–loaded rats. Papanicolaou N, et al. **Clin Sci Mol Med** 49(5):507–10, Nov 75

Fluid resuscitation following injury: rationale for the use of balanced salt solutions. Carrico CJ, et al. **Crit Care Med** 4(2):46–54, Mar–Apr 76

A comparison of saline and prostaglandin abortions at the Medical Center of Central Georgia. Harrison JR, et al. **J Med Assoc Ga** 65(2):53–4, Feb 76

Antiarrhythmic effect of hypertonic sodium bicarbonate and sodium chloride in ouabain–induced arrhythmias. Shakibi JG, et al. **Jpn Heart J** 17(1):54–60, Jan 76

Letter: Idiopathic orthostatic hypotension. Barnett AJ. **Med J Aust** 1(6):172–3, 7 Feb 76

Changes in the hemodynamic, ventilatory and respiratory parameters following saline, isoproterenol and racemic epinephrine aerosol therapy in patients on IPPV. El–Naggar M, et al. **Mid East J Anaesthesiol** 4(2):125–39, Jun 74

A histologic study of the placentas of patients with saline– and prostaglandin–induced abortion. Puri S, et al. **Obstet Gynecol** 48(2):216–20, AUG 76

Management of muscle cramps in hemodialysis patients. Controlled prospective study. Acchiardo SR, et al. **Proc Clin Dial Transplant Forum** 5:6–8, Nov 75

[Arslan's method of osmotic induction and subsequent hearing dynamics in patients with Menière's disease] Patiakina OK, et al. **Vestn Otorinolaringol** (3):19–24, May–Jun 76 (Eng. Abstr.) **(Rus)**

TOXICITY

Methods to assess effects of combinations of toxicants, salinity and temperature on estuarine animals. pp. 167–77. Bahner LH, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

SODIUM CLOXACILLIN see **CLOXACILLIN**

SODIUM DODECYL SULFATE

Comparative purity of commercially available sodium dodecyl sulfates: a simple criterion. Birdi KS. **Anal Biochem** 74(2):620–2, Aug 76

Superiority of lyophilization over sodium dodecyl sulfate (SDS) in the preservation of chromatin for electrophoresis. Conner BJ, et al. **Anal Biochem** 67(2):655–60, Aug 75

Effect of prolonged 100 degrees C heat treatment in sodium dodecyl sulfate upon peptide bond cleavage. Deutsch DG. **Anal Biochem** 71(1):300–3, Mar 76

Electrophoresis of amylose--SDS complexes on cellulose acetate. Shimada K, et al. **Anal Biochem** 72:664–8, 7 May 76

Electrophoretic behavior of protein dodecyl sulfate complexes in the presence of various amounts of sodium dodecyl sulfate. Stoklosa JT, et al. **Anal Biochem** 68(2):358–70, Oct 75

Recovery of SDS-proteins from polyacrylamide gels by electrophoresis into hydroxylapatite. Ziola BR, et al. **Anal Biochem** 72:366–71, 7 May 76

Mobility of sodium dodecyl sulphate – protein complexes. Dunker AK, et al. **Biochem J** 153(2):191–7, 1 Feb 76

The interaction between Beta-lactoglobulin and sodium N-dodecyl sulphate. Jones MN, et al. **Biochem J** 153(3):713–8, 1 Mar 76

Electrooptical properties of reduced protein–sodium dodecyl sulfate complexes. Rowe ES, et al. **Biochemistry** 15(12):2579–85, 15 Jun 76

The solution behavior of the bovine myelin basic protein in the presence of anionic ligands. Binding behavior with the red component of trypan blue and sodium dodecyl sulfate. Liebes LF, et al. **Biochim Biophys Acta** 427(2):392–409, 14 Apr 76

The importance of coulombic interactions for the induction of beta structure in lysine oligomers by sodium dodecyl sulfate. Mattice WL, et al. **Biopolymers** 15(3):559–67, Mar 76

Gel chromatography and gel electrophoresis of cardiac glycoside-Na,K-ATPase complexes in sodium dodecyl sulfate: a caution. Lane LK. **FEBS Lett** 64(2):375–9, 1 May 76

Dissociation and denaturation behaviour of sesame alpha-globulin in sodium dodecyl sulphate solution. Prakash V, et al. **Int J Pept Protein Res** 8(4):385–92, 1976

Stepwise degradation of serum low denisty lipoprotein by sodium dodecyl sulfate. Ikai A. **J Biochem (Tokyo)** 79(3):679–88, Mar 76

Electrophoretic properties of sodium dodecyl sulfate and related changes in its concentration in SDS–polyacrylamide gel electrophoresis. Kubo K, et al. **J Biochem (Tokyo)** 78(2):349–54, Aug 75

Binding isotherms of sodium dodecyl sulfate to protein polypeptides with special reference to SDS–polyacylamide gel electrophoresis. Takagi T, et al. **J Biochem (Tokyo)** 77(5):939–47, May 75

Retarding effect of dodecyl alcohol on polyacrylamide gel electrophoresis of SDS micelles and SDS–protein polypeptide complexes. Takagi T, et al. **J Biochem (Tokyo)** 78(6):1297–300, Dec 75

Controlled pore glass chromatography of protein–sodium dodecyl sulphate complexes. Frenkel MJ, et al. **J Chromatogr** 111(2):397–402, 3 Sep 75

The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in sodium dodecyl sulfate. Marmocchi F, et al. **Physiol Chem Phys** 7(5):465–71, 1975

[Analysis of chorpromazine – containing preparations by means of 0,001 mol. sodium lauryl sulfate solution] Simonyi I, et al. **Acta Pharm Hung** 45(6):250–7, Nov 75 (Eng. Abstr.) **(Hun)**

[Consideration of SDS–polyacrylamide gel electrophoresis emphasizing role of sodium dodecyl sulfate (author's transl)] Takagi T, et al. **J Jpn Biochem Soc** 47(5):206–15, 25 May 75 **(Jpn)**

[The heat binding of sodium dodecyl sulfate to nonionic polymers in aqueous media (author's transl)] Sumida K, et al. **J Pharm Soc Jpn** 95(7):853–8, Jul 75 (Eng. Abstr.) **(Jpn)**

[Protein makeup of rabbit myofibrils determined by a disc eletrophoretic method in the presence of sodium dodecyl sulfate] Shelud'ko NS. **Tsitologiia** 17(10):1148–54, Oct 75 (Eng. Abstr.) **(Rus)**

[Separation of the hormones of the adenohypophysis of rats by use of electrophoresis in polyacrylamide gel in the presence of sodium dodecyl sulfate] Martynenko FP, et al. **Ukr Biokhim Zh** 47(1):122–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

[Effect of an anion-active detergent on the skin and the hair cycle in rats] Rubisz-Brzezińska J, et al. **Przegl Dermatol** 63(1):25–31, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

ANALYSIS

A rapid determination of sodium dodecyl sulfate with methylene blue. Hayashi K. **Anal Biochem** 67(2):503–6, Aug 75

Spectrophotometric measurement of dodecyl sulfate with basic fuchsin. Waite JH, et al. **Anal Biochem** 70(1):279–80, Jan 76

DIAGNOSTIC USE

[Proceedings: Measurement of changes in Nitella cell membranes during the excitation period by sodium dodecyl sulfate acrylamide gel electrophoresis] Takenaka T, et al. **J Physiol Soc Jpn** 36(8–9):356, 1 Sep 74 **(Jpn)**

PHARMACODYNAMICS

Effect of sodium dodecyl sulfate on immuno-electrosyneresis between normal human erythrocyte membrane and sera of systemic lupus erythematosus patients. Arimori S, et al. **Acta Med Okayama** 29(6):421–9, Dec 75

The effect of dodecylsulphate upon net sodium and water transport from tied jejunal loops in anaesthetized rats. Sund RB. **Acta Pharmacol Toxicol (Kbh)** 37(4):282–96, Oct 75

Sensitization of colicin K-treated bacteria by sodium dodecyl sulfate: presence of free colicin in colicin K-treated cultures of Escherichia coli. Cavard D. **Antimicrob Agents Chemother** 9(4):639–45, Apr 76

On the efficacy of commonly used ribonuclease inhibitors. Jones GH. **Biochem Biophys Res Commun** 69(2):469–74, 22 Mar 76

Stimulation of proteinase K action by denaturing agents: application to the isolation of nucleic acids and the degradation of 'masked' proteins. Hilz H, et al. **Eur J Biochem** 56(1):103–8, 1 Aug 75

Polarity of the RNA in the tobacco mosaic virus particle and the direction of protein stripping in sodium dodecyl sulphate. Wilson TM, et al. **FEBS Lett** 64(2):285–9, 1 May 76

Human semen ribonuclease. Location, properties and inhibition by sodium dodecyl sulfate, zinc sulfate and EDTA. Mujica A, et al. **Int J Fertil** (2):109–13, 1976

Cellular organization of Bacillus subtilis: sodium dodecyl sulfate-induced cell partitioning into zebra structures. Mendelson NH, et al. **J Bacteriol** 126(3):1285–96, Jun 76

Effect of sodium dodecyl fulfate on the dissociation of bovine liver catalase. Takeda A, et al. **J Biochem (Tokyo)** 78(5):911–24, Nov 75

Evidence that detergent-reactivated interferons are not renatured. Allen PT, et al. **J Gen Virol** 32(1):133–7, Jul 76

Increased intestinal absorption in the rat caused by sodium lauryl sulphate, and its possible relation to the cAMP system. Briseid G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):137–44, 25 Feb 76

The effect of detergent treatment of the gastric mucosa on drug transport. Keller RW, et al. **Proc Soc Exp Biol Med** 151(4):730–5, Apr 76

Molecular organization and stabilizing forces of simple RNA viruses. IV. Selective interference with protein-RNA interactions by use of sodium dodecyl sulfate. Boatman S, et al. **Virology** 70(1):1–16, Mar 76

[Inactivation of yeast inorganic pyrophosphatase by sodium dodecyl sulfate and cetyltrimethyl ammonium bromide] Shafranskiĭ IuA, et al. **Biokhimiia** 40(4):683–93, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Inhibiting effect of sodium dodecylsulphate on DNase of animal tissues] Rysina TN. **Ukr Biokhim Zh** 47(3):332–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of detergents and ultrasound on NAD-glycohydrolase activity in rat liver cell nuclei] Shushevych SI, et al. **Ukr Biokhim Zh** 47(4):474–9, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Cysticidal effect of emetine in conjunction with surfactant and enzymes in experimental amoebiasis of rat. Imam SA. **Indian J Med Res** 63(9):1251–8, Sep 75

SODIUM ETIDRONATE see under **ORGANOPHOSPHORUS COMPOUNDS**

SODIUM GLUTAMATE see under **GLUTAMATES**

SODIUM GOLD THIOSULFATE see under **GOLD**

SODIUM HYDROXIDE

Ring-shaped alkali burns of the rabbit cornea. Epithelial and endothelial changes. Vrabec F, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):233–40, 4 Dec 75

Instability of rat liver chromatin and other nuclear non-histone proteins in alkaline solution. Gronow M, et al. **Biochem J** 157(2):507–9, 1 Aug 76

Alkali lability of bacteriophage phi W-14 DNA. Lewis HA, et al. **J Virol** 16(6):1375–9, Dec 75

[Degradation of cereal straw using sodium hydroxide. 6. Effect of common silo storage of NaOH-treated straw and green corn on the silage quality, rumen fermentation and digestibility] Piatkowski B, et al. **Arch Tierernaehr** 24(9–10):701–10, Dec 74 (Eng. Abstr.) **(Ger)**

[Megaloblastic anemia following esophago-dermato-jejunostomy performed 14 years ago for caustic action of NaOH (report of a case)] Nikolić V, et al. **Med Pregl** 28(7–8):325–9, 1975 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Clinitest burns of the esophagus. Burrington JD. **Ann Thorac Surg** 20(4):400–4, Oct 75

Self-induced colitis. Byrne JS, et al. **Postgrad Med J** 51(594):246–9, Apr 75

DIAGNOSTIC USE

Alkali resistance test. A clinical and experimental study. Oleffe J, et al. **Arch Belg Dermatol** 30(4):231–3, Oct–Dec 74

PHARMACODYNAMICS

[In vitro study of the antimicrobial action of some anions frequently used in the iontophoretic treatment of infected root canals] Stein M. **Rev Chir [Stomatol]** 21(4):305–18, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Structural and biochemical changes in the spores of Bacillus cereus exposed to caustic soda and hypochlorite] Kulikovskiĭ AV. **Mikrobiologiia** 45(1):128–32, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Letter: Treatment for malignant pleural effusions. Bezanilla AR. **Chest** 70(03):408–9, Sep 76

TOXICITY

Connective tissue necrosis after alkali. Sanyal S, et al. **Indian J Med Res** 63(11):1609–19, Nov 75

SODIUM HYPOCHLORITE

An in vitro enamel cleaning method for examining teeth by scanning electron microscopy. Galil KA. **J Can Dent Assoc** 41(10):559–62, Oct 75

[Determination of organic compounds by means of sodium hypochlorite. II. Spectrophotometric, colorimetric and volumetric determination of meprobamate and mebutamate] Cerri O. **Boll Chim Farm** 114(8):478–80, Aug 75 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Hypochlorite-induced alterations to canine serum complement. Boyer JT, et al. **Clin Exp Immunol** 21(2):345–50, Aug 75

A histochemical study of the apparent deamination of proteins by sodium hypochlorite. Stoward PJ. **Histochemistry** 45(3):213–26, 8 Dec 75

The effect of chlorine on spores of Clostridium bifermentans, Bacillus subtilis and Bacillus cereus. Wyatt LR, et al. **J Gen Microbiol** 89(2):337–44, Aug 75

Ultrasonic disinfection of the root canal. Martin H. **Oral Surg** 42(1):92–9, Jul 76

[Structural and biochemical changes in the spores of Bacillus cereus exposed to caustic soda and hypochlorite] Kulikovskiĭ AV. **Mikrobiologiia** 45(1):128–32, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

SODIUM IODOHIPPURATE see **IODOHIPPURIC ACID**

SODIUM ISOTOPES

Specific sodium-22 binding to a purified sodium + potassium adenosine triphosphatase. Inhibition by ouabain. Kanike K, et al. **J Biol Chem** 251(15):4794–5, 10 Aug 76

SODIUM LAURYL SULFATE see **SODIUM DODECYL SULFATE**

SODIUM MORRHUATE see under **FATTY ACIDS**

SODIUM OXACILLIN see **OXACILLIN**

SODIUM OXYBATE see under **HYDROXYBUTYRATES**

SODIUM PSYLLIATE see under **FATTY ACIDS**

SODIUM RADIOISOTOPES

[Transport of 131J-iodo-o-hippurate and 22Na out of the retroretinal space in experimental non rhegmatogenous detachment of the retina (author's transl)] Gloor BP, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):107–17, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Transport of 131I-hippuric acid and 22Na from the space between retina and pigment epithelium after experimental amotio] Gloor BP, et al. **Mod Probl Ophthalmol** 15:115–8, 1975 (Eng. Abstr.) **(Ger)**

[Evaluation of circulation dynamics in muscles. II. Simultaneous muscle clearance of sodium-24 and xenon-133] Kauffman P, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):495–8, Nov–Dec 75 (Eng. Abstr.) **(Por)**

DIAGNOSTIC USE

Blood-brain barrier studies in the rat: an indicator dilution technique with tracer sodium as an internal standard for estimation of extracerebral contamination. Hertz MM, et al. **Brain Res** 107(2):333–43, 7 May 76

SODIUM RICINOLEATE see under **FATTY ACIDS, UNSATURATED**

SODIUM SALICYLATE

[Automated determination of serum BSP. Improvement of dialysis by sodium salicylate] Trivin F, et al.

Ann Biol Clin (Paris) 33(4):303–8, 1975 (Eng. Abstr.) (Fre)

METABOLISM

The effect of o-salicylate upon pentose phosphate pathway activity in normal and G6PD-deficient red cells. Worathumrong N, et al. **Br J Haematol** 30(2):225–31, Jun 75

PHARMACODYNAMICS

The effect of sodium salicylate on utilization of alpha-ketoglutarate in the rat liver mitochondria, in relation to calcium content in the medium. Poćwiardowska E, et al. **Acta Physiol Pol** 26(6):563–7, Nov-Dec 75

Depression of taste responses by local or intravascular administration of salicylates in the rat. Hellekant G, et al. **Acta Physiol Scand** 95(3):286–92, NOV 75

Acute effects of salicylate on thyroidal trapping and release of I-131 in vitro. Bandisode MS, et al. **Ala J Med Sci** 12(3):240–3, Jul 75

Anaerobic glycolysis in normal human erythrocytes incubated in vitro with sodium salicylate. Worathumrong N, et al. **Clin Sci Mol Med** 49(5):375–84, Nov 75

Salicylate hypothermia in rats exposed to hyperbaric air and helium. Hart JL. **J Appl Physiol** 39(4):575–9, Oct 75

Influence of some antirheumatic drugs and cytostatics on urinary enzyme level. Trnavský K, et al. **Pharmacology** 14(4):378–84, 1976

Effects of anti-rheumatic drugs on PHA-stimulated lymphocytes and established cell lines. Miyazawa T, et al. **Ryumachi** 16(2):191–7, May 76

Prolonged in vitro closure of the mouse secondary palate by salicylates. Saxén I. **Scand J Dent Res** 83(1):202–8, Jul 75

[Effect of sodium salicylate on the 'in vitro' development of RNA viruses (author's transl)] Daniel P, et al. **Ann Microbiol (Paris)** 126(3):381–7, Apr 75 (Eng. Abstr.) (Fre)

[Role of bioenergetic changes in the mechanism of action of nonsteroid anti-inflammatory agents] Leschinskiĭ AF. **Biull Eksp Biol Med** 81(4):436–8, 1976 (Eng. Abstr.) (Rus)

[Effect of sodium salicylate on the cerebral blood circulation (an experimental and clinical study)] Gaevyĭ MD, et al. **Farmakol Toksikol** 38(5):572–6, Sep-Oct 75 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Fever: effect of drug-induced antipyresis on survival. Bernheim HA, et al. **Science** 193(4249):237–9, 16 Jul 76

SODIUM TETRADECYL SULFATES see under **FATTY ALCOHOLS**

SOFRAMYCIN see **FRAMYCETIN**

SOFT CONTACT LENSES see **CONTACT LENSES, HYDROPHILIC**

SOFT TISSUE NEOPLASMS

Foetal rhabdomyoma. Case report of a patient with two tumours. Dahl I, et al. **Acta Pathol Microbiol Scand [A]** 84(1):107–12, Jan 76

Alveolar soft-part sarcoma: report of a case. Saha SP, et al. **Am Surg** 42(5):366–8, May 76

Metastatic rhabdomyosarcoma of the heart. Sherman M, et al. **Heart Lung** 5(1):127–30, Jan-Feb 76

Soft tissue sarcomas. Panel discussion. pp. 405–12.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

Leiomyoma of the foot. A review of the literature and report of cases. Berlin SJ, et al. **J Am Podiatry Assoc** 66(7):450–8, JUL 76 (24 ref.)

Cavernous hemangioma of the foot. A case report and review. Borden JI, et al. **J Am Podiatry Assoc** 66(7):484–90, JUL 76 (18 ref.)

Soft tissue sarcomas of the extremities: their natural history, treatment, and radiation sensitivity. Gilbert HA, et al. **J Surg Oncol** 7(4):303–17, 1975

Malignant fibrous histiocytoma. Hughes JP, et al. **South Med J** 68(10):1219–22, Oct 75

[Trabeculary-papillary ependymoma in the sacrococcygeal region] Scharrer E, et al. **Zentralbl Neurochir** 35(2):131–6, 1974 (Eng. Abstr.) (Ger)

[Extra-abdominal desmoids] Sergeev SI, et al. **Khirurgiia (Mosk)** (4):3–8, Apr 76 (Eng. Abstr.) (Rus)

ANALYSIS

Histochemical characterization of mucosubstances in bone and soft tissue-tumors. Kindblom LG, et al. **Cancer** 36(3):985–94, Sep 75

Histochemical characteristics of muco-substances in three soft-tissue tumours. Filipe MI, et al. **J Pathol** 118(1):17–9, Jan 76

BLOOD SUPPLY

[Resection and plastic surgery of the arteries in malignant tumors of soft tissues of the lower limbs] Krakovskiĭ NI, et al. **Vestn Khir** 116(2):102–6, Feb 76 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Morphological changes in rat brain and skeletal muscle in the region of nickel oxide implantation. Sosiński E. **Neuropatol Pol** 13(3–4):479–83, Jul-Dec 75

COMPLICATIONS

Tumor-induced osteomalacia and rickets: a surgically curable syndrome. Report of two cases. Linovitz RJ, et al. **J Bone Joint Surg [Am]** 58(3):419–23, Apr 76

Simultaneous occurrence of soft-tissue sarcoma and parotid-gland tumours: A new syndrome? Boddie AW Jr, et al. **Lancet** 2(7893):1353–4, 7 Dec 74

[Autopsy study of metastatic primary liposarcoma of the left popliteal region with various neurologic symptoms] Kobayashi H, et al. **Clin Neurol (Tokyo)** 15(10):713–9, Oct 75 (Eng. Abstr.) (Jpn)

CONGENITAL

[Congenital generalized fibromatosis. Apropos of 3 cases] Lauras B, et al. **Pediatrie** 31(4):327–35, Jun-Jul 76 (Eng. Abstr.) (Fre)

DIAGNOSIS

Myositis ossificans circumscripta: a benign lesion with a malignant differential diagnosis. Goldman AB. **Am J Roentgenol** 126(1):32–40, Jan 76

Localization of Tc99m polyphosphate in soft tissue malignancies. Richman LS, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):577–82, Aug 75

Ultrasonic examination in orthopedic surgery. pp. 343–8. Kratochwil A, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Kaposi's sarcoma of the foot. A case report. Cangialosi CP, et al. **J Am Podiatry Assoc** 66(7):525–7, JUL 76

Nodular fasciitis. A podiatric review and report of a case. Miller TJ, et al. **J Am Podiatry Assoc** 66(7):465–70, JUL 76

Hemangioma of the digits. Two cases. Politz MJ. **J Am Podiatry Assoc** 66(7):515–8, JUL 76

Radiation dosimetry of 204Bi- and 206Bi-citrates. Bigler RE, et al. **J Nucl Med** 17(4):301–4, Apr 76

[Role of dynamic telethermography in sarcomas of the bone and soft tissues] Amalric R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:53–4, 1975 (Fre)

[Recurrence in soft tissues of a giant cell tumor of the femoral condyle] Roy-Camille R, et al. **Rev Chir Orthop** 61(5):433–5, Jul-Aug 75 (Eng. Abstr.) (Fre)

[Comparative evaluation of different isotopes in diagnosis of tumors of the musculo-skeletal apparatus] Knysh IT, et al. **Ortop Travmatol Protez** (8):44–50, Aug 75 (Eng. Abstr.) (Rus)

[Diagnosis of intermuscular lipomas in children] Ali-zade AM, et al. **Vestn Khir** 114(5):118–20, May 75 (Eng. Abstr.) (Rus)

[Angioscanning in the diagnosis of tumors of the soft tissues of the extremities] Fadeev NP, et al. **Vopr Onkol** 22(2):17–22, 1976 (Eng. Abstr.) (Rus)

[Malignant reticuloendoteliosis. Prognostic analysis] González-Chirinos P, et al. **Bol Med Hosp Infant Mex** 33(1):151–60, Jan-Feb 76 (Eng. Abstr.) (Spa)

DRUG THERAPY

Combination chemotherapy with DTIC (NSC-45388) in advanced malignant melanoma, soft tissue sarcomas, and Hodgkin's disease. Beretta G, et al. **Cancer Treat Rep** 60(2):205–11, Feb 76

[Therapeutic use of carminomycin in soft tissue sarcomas] Perevodchikova NI, et al. **Antibiotiki** 21(7):657–60, Jul 76 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Studies on acid phosphatase isoenzymes in tumors of bone and soft parts (author's transl)] Kaibara N. **Fukuoka Acta Med** 66(6):397–413, Jun 75 (Eng. Abstr.) (Jpn)

ETIOLOGY

Thorotrast-induced extraskeletal osteosarcoma of the cervical region. Report of a case. Hasson J, et al. **Cancer** 36(5):1827–33, Nov 75

[Effects of trauma and metals on the development of soft tissue and bone neoplasms] Witwicki T, et al. **Pol Tyg Lek** 31(8):333–5, 23 Feb 76 (Pol)

FAMILIAL & GENETIC

Letter: Familial breast cancer, soft-tissue sarcomas, and other neoplasms. Li FP, et al. **Ann Intern Med** 83(6):833–4, Dec 75

OCCURRENCE

Three primary cancers in different organs. Holmes FF, et al. **Oncology** 32(2):53–7, 1975

[Tumors and tumor-like lesions of soft tissues in the digits. A clinicopathological and statistical analysis of 230 cases (author's transl)] Iwasaki H, et al. **Fukuoka Acta Med** 66(11):649–60, 25 Nov 75 (Eng. Abstr.) (Jpn)

PATHOLOGY

Non-myogenic tumors involving skeletal muscle. A survey with special reference to alveolar soft part sarcoma. Delaney WE. **Ann Clin Lab Sci** 5(4):236–41, Jul-Aug 75

The diagnostic value of electron microscopy in evaluation of some soft tissue tumors. Szadowska A, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):97–8, 1976

Extraskeletal neoplasm resembling Ewing's sarcoma. Angervall L, et al. **Cancer** 36(1):240–51, Jul 75

Celar cell sarcoma with melanin pigment. Bearman RM, et al. **Cancer** 36(3):977–84, Sep 75

Spindle cell lipoma. Enzinger FM, et al. **Cancer** 36(5):1852–9, Nov 75

Inflammatory fibrous histiocytoma. An aggressive and lethal lesion. Kyriakos M, et al. **Cancer** 37(3):1584–1606, Mar 76

Hemangiopericytoma. A clinicopathologic study and long-term followup of 60 patients. McMaster MJ, et al. **Cancer** 36(6):2232–44, Dec 75

Ultrastructure of the so-called 'chordoid sarcoma'. Evidence supporting cartilagenous differentiation. Weiss SW. **Cancer** 37(1):300–6, Jan 76

Correspondence: Basal lamina in granular cell tumors. Säve-Söderbergh J. **Hum Pathol** 6(5):637–8, Sep 75

Pathology and behavior of soft tissue sarcomas. pp. 385–91. Rosai J.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

Giant cell tumor of tendon sheath(benign synovioma). Coster AA. **J Am Podiatry Assoc** 66(7):538–41, JUL 76

Glomus tumor of the foot. Discussion and case report. LaPorta GA, et al. **J Am Podiatry Assoc** 66(7):528–33, JUL 76

Malignant fibrous histiocytoma. A rare soft tissue tumor of the foot. Smith LS, et al. **J Am Podiatry Assoc** 66(7):459–64, JUL 76

Heterotopic-bone formation in metastatic tumor from transitional-cell carcinoma of the urinary bladder. A case report. Chinn D, et al. **J Bone Joint Surg [Am]** 58(6):881–3, Sep 76

Juvenile aponeurotic fibroma. The cartilage analogue of fibromatosis. Specht EE, et al. **JAMA** 234(6):626–8, 10 Nov 75

Nodular fasciitis. Miller R, et al. **Oral Surg** 40(3):399–403, Sep 75

Principles of diagnosis and management of soft tissue sarcomas. Das Gupta TK, et al. **Surg Annu** 7:115–36, 1975 (64 ref.)

Stimulating effect of portacaval shunt on intrahepatic and extrahepatic Morris hepatomas. Reichle FA, et al. **Surg Forum** 26:433–5, 1975

The ultrastructural features of fibroxanthosarcoma. Yoshida H, et al. **Yonago Acta Med** 18(1):36–49, Jun 74

[Subcutaneous angiolipoma. A clinicopathologic observation (author's transl)] Enjoji M, et al. **Fukuoka Acta Med** 67(3):82–9, Mar 76 (Eng. Abstr.) (Jpn)

[Benign lipoblastomatosis. A clinicopathologic study (author's transl)] Yoshida I, et al. **Fukuoka Acta Med** 67(1):1–9, Jan 76 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

The evaluation of pathologic alterations of juxtaosseous soft tissue by xeroradiography. Otto RC, et al. **Radiology** 120(2):297–302, Aug 76

The evaluation of pathologic alterations of juxtaosseous soft tissue by xeroradiography. Otto RC, et al. **Radiology** 120(2):297–302, Aug 76

Malignant giant cell tumor of the soft tissue: angiographic manifestations. Yaghmai I. **Radiology** 120(2):329–31, Aug 76

Malignant giant cell tumor of the soft tissue: angiographic manifestations. Yaghmai I. **Radiology** 120(2):329–31, Aug 76

[Task and method of the radiological examination in the diagnosis of bone and soft part tumors] Arany L, et al. **Beitr Orthop Traumatol** 23(4):217–23, Apr 76 (Ger)

[The radiological manifestations of fibroxanthosarcomas (author's transl)] Burgener FA, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):123–9, Aug 76 (Eng. Abstr.) (Ger)

[Angiofibroma of the chest wall] Pyl'tsov IM, et al. **Grudn Khir** (1):115, Jan-Feb 74 (Rus)

[X-ray diagnosis of non-neoplastic changes in soft tissues, clinically resembling neoplasms of subcutaneous cellular tissue] Vintergal'ter SF, et al. **Vestn Rentgenol Radiol** (3):55–61, May-Jun 75 (Eng. Abstr.) (Rus)

RADIOTHERAPY

Radiation therapy of soft tissue sarcomas. Suit HD, et al. **Cancer** 36(2):759–64, Aug 75

Soft tissue sarcomas. **Clin Bull** 5(2):56–63, 1975

Clinical testing of the radiosensitiser Ro-07-0582. III. Response of tumours. Thomlinson RH, et al. **Clin Radiol** 27(2):167–74, Apr 76

SURGERY

Surgical treatment of 297 soft tissue sarcomas of the lower extremity. Shiu MH, et al. **Ann Surg** 182(5):597–602, Nov 75

Operative management of soft tissue sarcomas. pp. 393–9. Fortner JG.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

The management of soft tissue sarcomas in adults: surgery and postoperative radiotherapy. pp. 401–4. Lindberg RD.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.
Fibromatosis of the plantar fascia. Brody RA, et al. **J Am Podiatry Assoc** 65(10):1007–10, Oct 75
Subcutaneous hemangioma of the foot. A case report. Cox KL. **J Am Podiatry Assoc** 66(7):519–21, JUL 76
Benign synovioma of the foot. A case report. Hofbauer OG. **J Am Podiatry Assoc** 66(7):542–3, JUL 76
Synovial sarcoma. A case report of foot involvement. Jaworek TA. **J Am Podiatry Assoc** 66(7):544–6, JUL 76
Giant cell tumor of the foot. A case report. Steinberg RI, et al. **J Am Podiatry Assoc** 66(7):534–7, JUL 76
The management of soft-tissue sarcomas of the extremities. Simon MA, et al. **J Bone Joint Surg [Am]** 58(3):317–27, Apr 76

THERAPY

Soft tissue sarcomas of the extremity. Multidisciplinary therapy employing hyperthermic perfusion. Stehlin JS Jr, et al. **Am J Surg** 130(6):643–6, Dec 75
Limb salvage from a multidisciplinary treatment approach for skeletal and soft tissue sarcomas of the extremity. Morton DL, et al. **Ann Surg** 184(3):268–78, Sep 76
Immunologic approaches to the management of primary and secondary tumors involving the skin and soft tissues: review of a ten-year program. pp. 159–77. Klein E, et al.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.
Rhabdomyosarcoma in children: progress and problems. pp. 345–57. Maurer HM.
In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.
The management of soft tissue sarcomas in adults: surgery and postoperative radiotherapy. Linberg RD, et al. **J Radiol Electrol Med Nucl** 56(11):761–7, Nov 75
Treatment of soft tissue sarcomas. Wilbur JR. **Pediatr Clin North Am** 23(1):171–81, Feb 76

VETERINARY

Myeloliposarcoma in a potto (Perodicticus potto): a case report. Bingham G, et al. **Lab Anim Sci** 26(3):473–7, Jun 76
Extraskeletal giant cell tumor in a cat. Alexander JW, et al. **Vet Med Small Anim Clin** 70(10):1161–6, Oct 75
Giant cell tumor of soft parts. A report of an equine and a feline case. Ford GH, et al. **Vet Pathol** 12(5–6):428–33, 1975

SOIL

Studies on clinical, haematological aspects and pathological changes of gastric mucosa in geophagia. Sayar SN, et al. **Acta Med Iran** 18(3–4):137–47, 1975
Radiological changes in pica. Vessal K, et al. **Am J Clin Nutr** 28(10):1095–8, Oct 75
Terrestrial detritus and the carbon cycle. Reiners WA. **Brookhaven Symp Biol** (30):303–27, Aug 73
Worker environment research. IV. The effect of dust derived from several soil types on the dissipation of parathion and paraoxon dislodgable residues on citrus foliage. Adams JD, et al. **Bull Environ Contam Toxicol** 15(5):547–54, May 76
Soil bacteriostasis: inhibition of spore germination and microcolony development in agar discs incubated on nonsterile soils. Davis RD. **Can J Microbiol** 21(8):1270–2, Aug 75
Degradation of carbamate insectides in soil. Heywood DL. **Environ Qual Saf** 4:128–33, 1975
Degradation of organophosphorus pesticides in soils with special reference to unaerobic soil conditions. Tomizawa C. **Environ Qual Saf** 4:117–27, 1975
Catalytic reactions on clay surfaces. Chaussidon J, et al. **Environ Qual Saf [Suppl]** 3:230–6, 1975
Fateof methabenzthiazuron in the plant–soil system. Cheng HH, et al. **Environ Qual Saf [Suppl]** 3:271–6, 1975
Metabolic fate of chlordimeform in soil under aerobic, anaerobic, and sterile conditions. Iwan J, et al. **Environ Qual Saf [Suppl]** 3:282–7, 1975
Clay–organic complexes and interaction: aromatic molecules. Mortland MM. **Environ Qual Saf [Suppl]** 3:226–9, 1975
Land Spreading of cow–dung slurry. pp. 287–8. Burford JR, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Some interpretations of dispersion measurements in aquifers. pp. 86–93. Cole JA.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Protection of aquifers against petroleum pollution in Switzerland. pp. 310–27. Dracos T.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Travel time from surface to well. p. 289. Milne DM.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Pollution affecting wells in the Bunter Sandstone. pp. 116–25. Nicholls GD.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Underground flow rates in cavernous and fissured limestones. pp. 409–13. Smith DI, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Testing aquitards for leakage. pp. 437–41. Witherspoon PA.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Field observations on the transport of heavy metals in sediments. pp. 85–95. de Groot AJ, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.
Role of hydrous metal oxides in the transport of heavy metals in the environment (G. F. Lee). Discussion. pp. 149–53. Hem JD.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.
Sorption phenomenon in organics of bottom sediments (Reimers et al.). Discussion. pp. 131–6. Jenne EA.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.
Field observations on the transport of heavy metals in sediments (A.J. de Groot and E. Allersman). Discussion. pp. 97–101. Jonasson IR, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.
Role of hydrous metal oxides in the transport of heavy metals in the environment. pp. 137–47. Lee GF.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973. (45 ref.)
Sorption phenomenon in the organics of bottom sediments. pp. 117–29. Reimers RS, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.
Hydrolyzable and nonhydrolyzable 3,4–dichloroaniline–humus complexes and their respective rates of biodegradation. Hsu TS, et al. **J Agric Food Chem** 24(1):118–22, Jan–Feb 76
Hydrolysis of methylparathion in soils. Kishk FM, et al. **J Agric Food Chem** 24(2):305–7, Mar–Apr 76
An improved density gradient system for forensic science soil studies. Nute HD. **J Forensic Sci** 20(4):668–73, Oct 75
Soil fungistasis: role of the microbial nutrient sink and of fungistatic substances in two soils. Bristow PR, et al. **J Gen Microbiol** 90(1):147–56, Sep 75
Absorption of lead from dust and soil. Barltrop D, et al. **Postgrad Med J** 51(601):801–4, Nov 75
Soil conservation in Central America and Panama: current problems. Popenoe H. **Rev Biol Trop** 24(1 Suppl):79–82, Jun 76 (Eng. Abstr.)
Wound cleansing by high pressure irrigation. Rodeheaver GT, et al. **Surg Gynecol Obstet** 141(3):357–62, Sep 75
Soil amendments and the rhizosphere effect. Abdel–Nasser M, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):577–83, 1975
[The advantage of an association of Zonitidea snails in biological control of Lymnaea (Galba) truncatula on siliceous and calcareous field (authors transl)] Rondelaud D. **Ann Parasitol Hum Comp** 51(1):41–9, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[The influence of intensity factors on the population dynamics of migratory root nematodes with special consideration of the genus Pratylenchus Filipjev. I. Influence of sprinkler irrigation (author's transl)] Fuchs E. **Zentralbl Bakteriol [Naturwiss]** 130(7):654–72, 1975 (Eng. Abstr.) **(Ger)**
[The influence of intensity factors on the population dynamics of migratory root nematodes with special consideration of the genus Pratylenchus Filipjev 1934. II. Influence on nitrogen fertilization (author's transl)] Fuchs E. **Zentralbl Bakteriol [Naturwiss]** 130(7):673–88, 1975 (Eng. Abstr.) **(Ger)**
[Work hygiene in soil fumigation with an emulsion of carbon disulfide] Diadicheva TV, et al. **Gig Tr Prof Zabol** (3):44–5, Mar 76 **(Rus)**
[Effect of selenium salts on the growth and development of wheat on mountain cinnamonic forest steppization soils] pp. 154–61. Shakuri BK.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Disinfection of the soil by means of carbathion in helminthoses of swine] Volkov FA. **Veterinariia** (12):28–9, Dec 75 **(Rus)**

ANALYSIS

Enzootic calcinosis in sheep: soil–plant–animal relationship. Singh G, et al. **Am J Vet Res** 37(5):553–6, May 76
The incremental evolution, collection and determination of mercury in soils at the p.p.b. level as a function of temperature. Carel AB. **Anal Chim Acta** 78(2):479–82, Sep 75
Simultaneous extraction and concentration of cadmium and zinc from soil extracts. Roberts AH, et al. **Analyst** 101(1204):574–81, Jul 76
Translocation of the polychlorinated biphenyl Aroclor 1254 from soil into carrots under field conditions. Iwata Y, et al. **Arch Environ Contam Toxicol** 4(1):44–59, 1976
Concentration of mercury in animal products and soils of North Dakota. Sell JL, et al. **Arch Environ Contam Toxicol** 3(3):278–88, 1975
Soil contamination from lead in paint chips. Bogden JD, et al. **Bull Environ Contam Toxicol** 14(3):289–94, Sep 75
Persistence of organochlorine insecticides in the field in the Gezira soil under cotton. El Zorgani GA. **Bull Environ Contam Toxicol** 15(3):378–82, Mar 76
Distribution of hexachlorobenzene and hexachlorobutadiene in water, soil, and selected aquatic organisms along the lower Mississippi river, Louisiana. Laska AL, et al. **Bull Environ Contam Toxicol** 15(5):535–42, May 76
Photochemically induced artifact in the analysis of soil for residues of organochlorine pesticides. Maini P, et al. **Bull Environ Contam Toxicol** 14(5):593–8, Nov 75
Adding phosphorus to forest soils: storage capacity and possible risks. Powers RF, et al. **Bull Environ Contam Toxicol** 14(3):257–64, Sep 75
Persistence of parathion and its oxidation to paraoxon on the soil surface as related to worker reentry into treated crops. Spencer WF, et al. **Bull Environ Contam Toxicol** 14(3):265–72, Sep 75
Persistence of BHC (1, 2, 3, 4, 5, 6–hexachlorocyclohexane) and dieldrin residues in field soils. Suzuki M, et al. **Bull Environ Contam Toxicol** 14(5):520–9, Nov 75
The persistence and fate of phosphamidon in a forest environment. Varty IW, et al. **Bull Environ Contam Toxicol** 15(3):257–64, Mar 76
Persistence of carbofuran residues in some British Columbia soils. Williams IH, et al. **Bull Environ Contam Toxicol** 15(2):242–3, Feb 76
Partitioning of trace metals in selective chemical fractions of nearshore sediments. Gupta SK, et al. **Environ Lett** 10(2):129–58, 1975 (19 ref.)
Cadmium, lead and zinc accumulation in soils near a smelter complex. John MK, et al. **Environ Lett** 10(1):25–35, 1975
Adsorption–desorption of Lindane and Aldrin by soils as affected by soil main components. Baluja G, et al. **Environ Qual Saf [Suppl]** 3:243–9, 1975
Triazophos (active substance in the sales product Hostathion) environmental impact (degradation on/in plants, in soil and in warm–blooded animals). Bock KD, et al. **Environ Qual Saf [Suppl]** 3:833–9, 1975
The dissipation and accumulation of Aldrin and dieldrin residues in soil. Elgar KE. **Environ Qual Saf [Suppl]** 3:250–7, 1975
Degradation of Trifluralin, Oryzalin, and Isopropalin in soil. Golab T, et al. **Environ Qual Saf [Suppl]** 3:258–61, 1975
Soil environment factors affecting organo–chlorinated pesticide persistence. Guenzi WD, et al. **Environ Qual Saf [Suppl]** 3:214–21, 1975
Computations on the material balance of pesticides in soil. Leistra M, et al. **Environ Qual Saf [Suppl]** 3:817–28, 1975
A method for the determination of guazatine residues in crops and soil. Lynch VP. **Environ Qual Saf [Suppl]** 3:124–8, 1975
Determination of methoprene (Altosid) insect growth regulator in waters, soils, plants, and animals by gas chromatography. Miller WW. **Environ Qual Saf [Suppl]** 3:105–9, 1975
Degradation and metabolism of fluchloralin in soil. Otto S. **Environ Qual Saf [Suppl]** 3:277–81, 1975
Leaching of 2,6–dichlorobenzamide (Bam) in soil columns and evaluation of the results by simulation. Rolland JP, et al. **Environ Qual Saf [Suppl]** 3:767–73, 1975
Field persistence studies with herbicides in prairie soils. Smith AE. **Environ Qual Saf [Suppl]** 3:266–70, 1975
Degradation of 2,4–D and MCPA in soils of low pH. Torstensson NT. **Environ Qual Saf [Suppl]** 3:262–5, 1975
PCB's in agricultural and urban soil. pp. 195–8. Carey AE, et al.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.
Polychlorinated biphenyls in the surface waters and bottom sediments of the major drainage basins of the United States. pp. 183–94. Dennis DS.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.
Nitrates in a sand aquifer in Germany. p. 295. Gray DA.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Mobilization of heavy metals by organic acids in the soils of a lead mining and smelting district. pp. 107–12. Bolter E, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Source determination of heavy metal contaminants in the soil of a mine and smelter area. pp. 207–15. Lagerwerff JV, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
The content and distribution of selenium in soils and plants from seleniferous areas in Eire and England. pp. 113–21. Nye SM, et al.
In: Hemphill DD, ed. Trace substances in environmental

health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Trace elements in soils and surface waters contaminated by past metalliferous mining in parts of England. pp. 77–88. Thornton I, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Trace elements impact on forest floor litter in the new lead belt region of southeastern Missouri. pp. 227–36. Watson AP.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Use of variations in the natural abundance of 15N to study sources, transformations and movement of nitrogen in a plant–soil–water system. pp. 77–104. Shearer G, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74. (48 ref.)
Fate of 2,2–dichlorobiphenyl–14C in carrots, sugar beets, and soil under outdoor conditions. Moza P, et al.
J Agric Food Chem 24(4):881–5, Jul–aug 76
Gas–liquid chromatographic determination of 3,6–dichloropicolinic acid in soils. Pik AJ, et al.
J Assoc Off Anal Chem 59(2):264–8, Mar 76
Residues of terbufos (Counter) in Iowa corn and soil. Sellers LG, et al. **J Econ Entomol** 69(2):133–5, Apr 76
Contributions to ecological chemistry CVIII1. Fate of lindane–14C in lettuce, endives and soil under outdoor conditions. Kohli J, et al. **J Environ Sci Health [B]** 11(1):23–32, 1976
Enzymatic characterization of soil evidence. Thornton JI, et al. **J Forensic Sci** 20(4):674–92, Oct 75
The use of colour in the discrimination between soils. Dudley RJ. **J Forensic Sci Soc** 15(3):209–18, Jul 75
A simple method for determining the pH of small soil samples and its use in forensic science. Dudley RJ.
J Forensic Sci Soc 16(1):21–7, Jan 76
Dose estimation from residual and fallout radioactivity. 2. A simulated neutron activation experiment. Hashizume T, et al. **J Radiat Res (Tokyo)** 16 Suppl:32–4, Sep 75
Mirex residues in wildlife and soils, Hawaiian pineapple–growing areas—1972–74. Bevenue A, et al.
Pestic Monit J 9(3):141–9, Dec 75
Residues of methoxychlor and other chlorinated hydrocarbons in water, sand, and selected fauna following injections of methoxychlor black fly larvicide into the Saskatchewan River, 1972. Fredeen FJ, et al.
Pestic Monit J 8(4):241–6, Mar 75
Total mercury in water, sediment, and selected aquatic organisms, Carson River, Nevada—1972. Richins RT, et al. **Pestic Monit J** 9(1):44–54, Jun 75
[Study of the dynamics of the decomposition of the amine salt 2,4–D in the soil] Buslovich SIu, et al. **Gig Sanit** (5):109–10, May 76 **(Rus)**
[The prognosis of pesticides' stability in the water, soil and plants] Goncharuk EI, et al. **Gig Sanit** (10):18–22, Oct 75 (Eng. Abstr.) **(Rus)**
[Extraction–photometric determination of mercury in soils and waters] Kish PP, et al. **Gig Sanit** (11):74–6, Nov 75 **(Rus)**
[Determination of mezoranil in water, soil and plant material by a thin–layer chromatographic method] Petrosian MS, et al. **Gig Sanit** (2):75–6, Feb 75 **(Rus)**
[Determination of Po210 and Pb210 in soil samples] Ponikarova TM, et al. **Gig Sanit** (1):71–4, Jan 76 **(Rus)**
[Selenium content in zonal soil types of the Azerbaijani SSR] pp. 143–7. Giul'akhmedov AN.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**
[Selenium content in the feeds and soils of farms infected with and free of white muscle disease of young buffaloes] pp. 148–50. Giul'akhmedov AN, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

SOIL MICROBIOLOGY

Salama AM, et al. **Acta Biol Acad Sci Hung** 26(1–2):1–7, 1975
The occurrence of rhizobiophages in various lucerne plantations. Golębiowska J, et al. **Acta Microbiol Pol** 25(2):161–3, 1976
The effect of rhizobiophages on the effectiveness of Rhizobium meliloti in symbiosis with lucerne. II. Effects of phages on the R. meliloti strains during passing them through the plant. Sawicka A, et al.
Acta Microbiol Pol 25(2):129–31, 1976
The effect of rhizobiophages on the effectiveness of Rhizobium meliloti in symbiosis with lucerne. I. Effect of various strains of R. meliloti and rhizobiophages on the yield and nitrogen fixation in lucerne. Sawicka A, et al.
Acta Microbiol Pol 25(2):123–8, 1976
Respiratory activity of the soil from several habitats in the Botanical Garden in Poznań. Golebiowska J, et al.
Acta Microbiol Pol [A] 8(1):43–50, 1976
Effect of dicumarol on the growth of some soil microorganisms. Smyk B, et al. **Acta Microbiol Pol [A]** 8(1):65–9, 1976
Influence of salts on the microbial activities in arid and semi–humid soils. El–Shinnawi MM.
Acta Microbiol Pol [B] 7(3):141–50, 1975
Soil microflora of the rhizosphere of plants from several habitats in the botanical garden in Poznań. Golębiowska J, et al. **Acta Microbiol Pol [B]** 7(4):211–7, 1975
Variation in the Azotobacter population from several habitats in the botanical garden in Poznań. Golębiowska J, et al. **Acta Microbiol Pol [B]** 7(4):219–22, 1975
Production of auxins by bacteria isolated from the roots of pine seedlings (Pinus silvestris L.). Kampert M, et al.
Acta Microbiol Pol [B] 7(2):135–43, 1975
Production of gibberellin–like substances by bacteria and fungi isolated from the roots of pine seedlings (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol [B]** 7(3):157–66, 1975
Synthesis of auxins by fungi isolated from the roots of pine seedings (Pinus silvestris L.) and from soil. Kampert M, et al. **Acta Microbiol Pol [B]** 7(4):223–30, 1975
The influence of glucose on simazine decomposition. Strzelec A. **Acta Microbiol Pol [B]** 7(2):91–6, 1975
Microbiology of municipal solid waste composting. Finstein MS, et al. **Adv Appl Microbiol** 19:113–51, 1975 (132 ref.)
Oxidation of ethylene by bacteria. de Bont JA.
Ann Appl Biol 81(1):119–21, Sep 75
A study of the capacity of soils to induce nodules in Alnus glutinosa (L.) Gaertn. and Myrica gale L., with special reference to the specificity of the endophytes. de Castro FB, et al. **Ann Microbiol (Paris)** 127A(2):307–15, Feb–Mar 76
Organic amendments and control of foot rot of Piper betle caused by Phytophthora parasitica var. piperina. Mehrotra RS, et al. **Ann Microbiol (Paris)** 127(3):415–21, Apr 76
Additional notes on species of Aspergillus, Eurotium and Emericella from Egyptian desert soil. Samson RA, et al.
Antonie van Leeuwenhoek 41(3):343–51, 1975
Trichosporon terrestre sp. nov. van der Walt JP, et al.
Antonie van Leeuwenhoek 41(3):361–5, 1975
Microbial degradation of piperonylic acid. Vasavada PC, et al. **Antonie van Leeuwenhoek** 41(4):479–91, 1975
Blockage by acetylene of nitrous oxide reduction in Pseudomonas perfectomarinus. Balderston WL, et al.
Appl Environ Microbiol 31(4):504–8, Apr 76
Continuously variable amplitude contrast microscopy for the detection and study of microorganisms in soil. Casida LE Jr. **Appl Environ Microbiol** 31(4):605–8, Apr 76
Poliovirus survival and movement in a sandy forest soil. Duboise SM, et al. **Appl Environ Microbiol** 31(4):536–43, Apr 76
Distribution of Bdellovibrio bacteriovorus in sewage works, river water, and sediments. Fry JC, et al.
Appl Environ Microbiol 31(4):469–74, Apr 76
Co–metabolism of fluorobenzoates by natural microbial populations. Horvath RS, et al. **Appl Environ Microbiol** 31(6):889–91, Jun 76
Liberation of sulfate from sulfate esters by soils. Houghton C, et al. **Appl Environ Microbiol** 31(6):969–76, Jun 76
Colonization of soil by Arthrobacter and Pseudomonas under varying conditions of water and nutrient availability as studied by plate counts and transmission electron microscopy. Labeda DP, et al. **Appl Environ Microbiol** 31(4):551–61, Apr 76
Degradation of [8,9,–14C]endosulfan by soil microorganisms. Martens R. **Appl Environ Microbiol** 31(6):853–8, Jun 76
Characterization of anaerobic heterotrophic bacteria isolated from freshwater lake sediments. Molongoski JJ, et al.
Appl Environ Microbiol 31(1):83–90, Jan 76
Oil degradation in soil. Raymond RL, et al.
Appl Environ Microbiol 31(4):522–35, Apr 76
Incidence of Salmonella spp., Clostridium botulinum, and Vibrio parahaemolyticus in an estuary. Sayler GS, et al.
Appl Environ Microbiol 31(5):723–30, May 76
Microbial formation and degradation of dimethylamine. Tate RL 3d, et al. **Appl Environ Microbiol** 31(3):399–403, Mar 76
Sensitivity of environmental microorganisms to antimicrobial agents. Van Dijck P, et al. **Appl Environ Microbiol** 31(3):332–6, Mar 76
Improved method for preparing anaerobic bacteroid suspensions of Rhizobium leguminosarum for the acetylene reduction assay. Van Straten J, et al.
Appl Environ Microbiol 31(6):859–63, Jun 76
Purification and some properties of an extracellular maltase from Bacillus subtilis. Wang LH, et al.
Appl Environ Microbiol 31(1):108–18, Jan 76
Demonstration of solids–associated virus in wastewater and sludge. Wellings FM, et al. **Appl Environ Microbiol** 31(3):354–8, Mar 76
Temperature limitation of methanogenesis in aquatic sediments. Zeikus JG, et al. **Appl Environ Microbiol** 31(1):99–107, Jan 76
Degradation of 3–hydroxybenzoate by bacteria of the genus Bacillus. Crawford RL. **Appl Microbiol** 30(3):439–44, Sep 75
Detection of animal viruses in coastal seawater and sediments. De Flora S, et al. **Appl Microbiol** 30(3):472–5, Sep 75
Psychrophilic microorganisms from areas associated with the Viking spacecraft. Foster TL, et al. **Appl Microbiol** 30(4):546–50, Oct 75
Screening test for assessment of ultimate biodegradability: linear alkylbenzene sulfonates. Gledhill WE.
Appl Microbiol 30(6):922–9, Dec 75
Formation of methyl mercury by bacteria. Hamdy MK, et al. **Appl Microbiol** 30(3):424–32, Sep 75
Fibrous material in feedlot waste fermented by Trichoderma viride. Kaneshiro T, et al. **Appl Microbiol** 30(5):876–8, Nov 75
Inhibition of methanogenesis in marine sediments by acetylene and ethylene: validity of the acetylene reduction assay for anaerobic microcosms. Oremland RS, et al.
Appl Microbiol 30(4):707–9, Oct 75
Methane production in shallow–water, tropical marine sediments. Oremland RS. **Appl Microbiol** 30(4):602–8, Oct 75
Heterotrophic activity of deep–sea sediment bacteria. Schwarz JR, et al. **Appl Microbiol** 30(4):639–49, Oct 75
Inhibition of Clostridium botulinum by strains of Clostridium perfringens isolated from soil. Smith LD.
Appl Microbiol 30(2):319–24, Aug 75
Studies on the survival and fate of enteroviruses in an experimental model of a municipal solid waste landfill and leachate. Sobsey MD, et al. **Appl Microbiol** 30(4):565–74, Oct 75
Dection of salmonellae in the environment. Thomason BM, et al. **Appl Microbiol** 30(5):764–7, Nov 75
Vitamin B12 production by a methanol–utilizing bacterium. Toraya T, et al. **Appl Microbiol** 30(3):477–9, Sep 75
Evaluation of petroleum–degrading potential of bacteria from water and sediment. Walker JD, et al. **Appl Microbiol** 30(6):1036–9, Dec 75
Microbial degradation of the thiolcarbamate herbicide, diallate, in soils and by pure cultures of soil microorganisms. Anderson JP, et al.
Arch Environ Contam Toxicol 4(1):1–7, 1976
Interaction between lindane and micorbes in soils. Tu CM.
Arch Microbiol 105(2):131–4, 27 Oct 75
Utilization and degradation of lindane by soil microorganisms. Tu CM. **Arch Microbiol** 108(3):259–63, Jul 76
Degradation of carbofuran by soil microorganisms. Williams IH, et al. **Bull Environ Contam Toxicol** 15(2):244–9, Feb 76
The influence of hydrostatic pressure upon biochemical activities of heterotrophic bacteria. Albright LJ.
Can J Microbiol 21(9):1406–12, Sep 75
Glycerol metabolism in Rhizobium. Arias A, et al.
Can J Microbiol 22(2):150–3, Feb 76
Characterization of a nitrogen–fixing bacterial strain from the roots of Digitaria sanguinalis. Barber LE, et al.
Can J Microbiol 22(2):254–60, Feb 76
The distribution of the isocitrate lyase serine pathway amongst one–carbon utilizing organisms. Bellion E, et al.
Can J Microbiol 22(3):404–8, Mar 76
Characteristics of a facultatively psychrophilic Acinetobacter species isolated from river sediment. Breuil C, et al.
Can J Microbiol 21(12):2103–8, Dec 75
Infrared color photomicrography of soil microorganisms. Casida LE Jr. **Can J Microbiol** 21(11):1892–3, Nov 75
Soil bacteriostasis: inhibition of spore germination and microcolony development in agar discs incubated on nonsterile soils. Davis RD. **Can J Microbiol** 21(8):1270–2, Aug 75
Soil fungistasis: elevation of the exogenous carbon and nitrogen requirements for spore germination by fungistatic volatiles in soils. Griffin GJ, et al. **Can J Microbiol** 21(10):1468–75, Oct 75
Effect of chemicals used as nitrification inhibitors on the denitrification process. Henniger NM, et al.
Can J Microbiol 22(5):668–72, May 76
Degradation of ioxynil and bromoxynil as measured by a modified spectrophotometric method. Hsu JC, et al.
Can J Microbiol 21(12):2008–12, Dec 75
Isolation of ioxynil degraders from soil–enrichment cultures. Hsu JC, et al. **Can J Microbiol** 22(4):537–43, Apr 76
Effects of zinc–smelter emissions on forest soil microflora. Jordan MJ, et al. **Can J Microbiol** 21(11):1855–65, Nov 75
Physiological differences among isolates of Phytophthora cinnamomi. Kelley WD. **Can J Microbiol** 21(10):1548–52, Oct 75
Electron microscopy of vesicular–arbuscular mycorrhizae of yellow poplar. II. Intracellular hyphae and vesicles. Kinden DA, et al. **Can J Microbiol** 21(11):1768–80, Nov 75
Electron microscopy of vesicular–arbuscular mycorrhizae of yellow poplar. III Host–endophyte interactions during arbuscular development. Kinden DA, et al.
Can J Microbiol 21(12):1930–9, Dec 75
Electron microscopy of vesicular–arbuscular mycorrhizae of yellow poplar. IV. Host–endophyte interactions during arbuscular deterioration 1,2. Kinden DA, et al.
Can J Microbiol 22(1):64–75, Jan 76
Demonstration of the isolation of non–infective Alnus crispa var. mollis Fern, nodule endophyte by morphological immunolabelling and whole cell composition studies. Lalonde M, et al. **Can J Microbiol** 21(12):1901–20, Dec 75
Nitrogen fixation in the Rhode River estuary of Chesapeake Bay. Marsho TV, et al. **Can J Microbiol** 21(9):1348–56, Sep 75
Adsorption, desorption, and activity of glucose oxidase on selected clay species. Morgan HW, et al.
Can J Microbiol 22(5):684–93, May 76
Osmophilous fungi in the salt marshes of Kuwait. Moustafa AF. **Can J Microbiol** 21(10):1573–80, Oct 75
Nitrogen fixation associated with grasses in Oregon. Nelson AD, et al. **Can J Microbiol** 22(4):523–30, Apr 76
Interactions between Azotobacter and 'phosphobacteria' and their establishment in the rhizosphere as affected by soil fertility. Ocampo JA, et al. **Can J Microbiol** 21(8):1160–5, Aug 75
Morphology and host range of virulent phages of lotus rhizobia. Patel JJ. **Can J Microbiol** 22(2):204–12, Feb 76
Effect on microorganisms of volatile compounds released from germinating seeds. Schenck S, et al.
Can J Microbiol 21(10):1622–34, Oct 75

Halobacterium saccharovorum sp. nov., a carbohydrate-metabolizing, extremely halophilic bacterium. Tomlinson GA, et al. **Can J Microbiol** 22(4):587–91, Apr 76

Microbial petroleum degradation: application of computerized mass spectrometry. Walker JD, et al. **Can J Microbiol** 21(11):1760–7, Nov 75

Biodegradation of petroleum by Chesapeake Bay sediment bacteria. Walker JD, et al. **Can J Microbiol** 22(3):423–8, Mar 76

An assessment of conditions favouring Histoplasma capsulatum development in the Grand Trunk Corridor. Bell RG. **Can J Public Health** 67(3):249–51, May–Jun 76

Selected blackleg outbreaks and their relation to soil excavation. Barnes DM, et al. **Can Vet J** 16(9):257–9, Sep 75

Models of microbial interactions in the soil. Bazin MJ, et al. **CRC Crit Rev Microbiol** 4(4):463–98, May 76 (117 ref.)

The physical environment in soil microbiology: an attempt to extend principles of microbiology to soil microorganisms. Hattori T, et al. **CRC Crit Rev Microbiol** 4(4):423–61, May 76 (109 ref.)

Extracellular enzymes in soil. Skujiņš J. **CRC Crit Rev Microbiol** 4(4):383–421, May 76 (331 ref.)

Volatile organic compounds and microorganisms. Stotzky G, et al. **CRC Crit Rev Microbiol** 4(4):333–82, May 76 (359 ref.)

Investigations on the microbial degradation of Lindane in submerged and aerated moist soil. Kohnen R, et al. **Environ Qual Saf [Suppl]** 3:222–5, 1975

The effect of volatile and gaseous metabolites of swelling seeds on germination of fungal spores. Catská V, et al. **Folia Microbiol (Praha)** 20(2):152–6, 1975

Growth response of three formae speciales of Fusarium oxysporum to their host and non-host plants. Kaiser SA, et al. **Folia Microbiol (Praha)** 20(2):168–70, 1975

[A new pigmented antibiotic from a soil streptomycete. Roy MK, et al. **Folia Microbiol (Praha)** 21(1):50–3, 1976

Biological changes in the rhizosphere of wheat after foliar application of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. Vraný J. **Folia Microbiol (Praha)** 20(5):402–8, 1975

Colonization of soil by Histoplasma capsulatum: II. Effect of bat guano added to an area of reduced colonization. Hasenclever HF, et al. **Health Lab Sci** 13(3):203–8, Jul 76

Antarctic microbiology–preparation for Mars life detection, quarantine, and back contamination. pp. 57–82. Cameron RE, et al.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Electron microscopy of Antarctic soil bacteria. pp. 29–56. Uydess IL, et al.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Persistence and microbial degradation of parathion in Indian rice soils under flooded conditions. pp. 9–18. Sethunathan N, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74. (16 ref.)

Isolation, characterization & metabolic activities of a Bacillus sp. metabolizing alpha-picolinate. Shukla OP. **Indian J Exp Biol** 13(1):80–2, Jan 75

Histoplasma capsulatum in the soil of Gangetic Plain in India. Sanyal M, et al. **Indian J Med Res** 63(7):1020–8, Jul 75

Degradation of 4-aminopyridine in soil. Betts PM, et al. **J Agric Food Chem** 24(3):571–4, May–Jun 76

Production of plant growth regulators by rhizosphere phosphate-solubilizing bacteria. Barea JM, et al. **J Appl Bacteriol** 40(2):129–34, Apr 76

A new method for strain identification of Rhizobium trifolii in nodules. Cloonan MJ, et al. **J Appl Bacteriol** 40(1):101–7, Feb 76

Isolation and identification of photosynthetic bacteria (Rhodospirillaceae) from Antarctic marine and freshwater sediments. Herbert RA. **J Appl Bacteriol** 41(1):75–80, Aug 76

Mixed inoculations with effective and ineffective strains of Rhizobium leguminosarum. Johnston AW, et al. **J Appl Bacteriol** 40(3):375–80, Jun 76

Rapid enrichment of Beggiatoa from soil. Joshi MM, et al. **J Appl Bacteriol** 40(2):223–4, Apr 76

Occurrence and thermoresistance of spores of psychrophilic and psychrotrophic aerobic sporeformers in soil and foods. Michels MJ, et al. **J Appl Bacteriol** 41(1):1–11, Aug 76

Simple media containing stabilized tributyrin for demonstrating lipolytic bacteria in foods and soils. Mourey A, et al. **J Appl Bacteriol** 40(1):47–51, Feb 76

Degradation of 1-naphthol by a soil pseudomonad. Walker N, et al. **J Appl Bacteriol** 39(3):281–6, Dec 75

Ubiquity of plasmids in coding for toluene and xylene metabolism in soil bacteria: evidence for the existence of new TOL plasmids. Williams PA, et al. **J Bacteriol** 125(3):818–28, Mar 76

Pseudomonas glathei sp. nov., a new nitrogen-scavening rod isolated from acid lateritic relicts in Germany. Zolg W, et al. **J Comp Neurol** 164(1):287–99, 1 Nov 75

Soil fungistasis: role of the microbial nutrient sink and of fungistatic substances in two soils. Bristow PR, et al. **J Gen Microbiol** 90(1):147–56, Sep 75

Inhibition of protein synthesis by D-threo-chloramphenicol in the laboratory and nodule forms of Rhizobium lupini. Coventry DR, et al. **J Gen Microbiol** 90(1):69–75, Sep 75

Identification and characterization of a cellulolytic isolate. Kaufmann A, et al. **J Gen Microbiol** 94(2):405–8, Jun 76

The orientation of certain root-nodule bacteria at interfaces, including legume root-hair surfaces. Marshall KC, et al. **J Gen Microbiol** 91(1):198–200, Nov 75

Isolation and structure of an extracellular polysaccharide from streptomyces sp. FERM-P1185. Miyazaki T, et al. **J Gen Microbiol** 95(1):31–8, Jul 76

Ethylene production by bacteria. Primrose SB, et al. **J Gen Microbiol** 93(1):177–81, Mar 76

The microbial degradation of cyclohexane carboxylic acid. Smith DI, et al. **J Gen Microbiol** 91(1):210–2, Nov 75

Pathways and regulation of glutamate synthesis in a Corynebacterium sp. overproducing glutamate. Vandecasteele JP, et al. **J Gen Microbiol** 90(1):178–80, Sep 75

Clostridia in soil of the Antarctica. Miwa T. **Jpn J Med Sci Biol** 28(4):201–13, Aug 75

Microorganism capable of decomposing N-acetylglucosaminyl ribitol teichoic acid of Staphylococcus aureus. Iwata S, et al. **Jpn J Microbiol** 20(2):123–9, Apr 76

Detection and confirmation of toxoplasma oocysts in the soil. Ito S, et al. **Jpn J Vet Sci** 37(6):549–54, Dec 75

Survival of Poria weirii on paired plots in alder and conifer stands. Nelson EE. **Microbios** 12(49):155–8, 1975

Nitrate reducing capacity of two vesicular-arbuscular mycorrhizal fungi. Ho I, et al. **Mycologia** 67(4):886–8, Jul–Aug 75

Syncephalis californica, a mycoparasite inducing giant hyphal swellings in species of mucorales. Hunter WE, et al. **Mycologia** 67(4):863–72, Jul–Aug 75

Fire as an environmental cue initiating ascomycete development in a tallgrass prairie. Wicklow DT. **Mycologia** 67(4):852–62, Jul–Aug 75

Antagonistic effects of Trichoderma harzianum on Pythium aphanidermatum causing the damping-off disease of tobacco in Nigeria. Fajola AO, et al. **Mycopathologia** 57(1):47–52, 8 Dec 75

Distributional patterns of mesophilous and thermophilous microfungi in two Bahamian soils. Gochenaur SE. **Mycopathologia** 57(3):155–64, 31 Dec 75

Four endoparasitic nematode destroying fungi isolated from sand ridge state forest soil. Monoson HL, et al. **Mycopathologia** 57(1):59–62, 8 Dec 75

The effect of microbial mycolytic agents on Trichophyton rubrum. Moore GS, et al. **Mycopathologia** 57(2):93–8, 23 Dec 75

Non-symbiotic nitrogen-fixing bacteria in Irish soils. Murphy PM. **Proc R Ir Acad [B]** 75(22):453–64, 1975

A preliminary investigation of the effects of salinity on the bacterial flora of the Tay estuary. Herbert RA. **Proc R Soc Edinb [Nat Environ]** 75(1–2):137–44, 1975

Rate constants for nitrification and denitrification in soils. McLaren AD. **Radiat Environ Biophys** 13(1):43–8, 30 Mar 76

The ecology of keratinophilic fungi at different depths of soil. Chmel L, et al. **Sabouraudia** 13(2):185–91, Jul 75

Isolation of Sporothrix schenckii in the soil in Israel in relation to a new case in man. Feuerman EJ, et al. **Sabouraudia** 14(2):217–22, Jul 76

Serologic differences in strains of Sporothrix schenckii. Nishikawa T, et al. **Sabouraudia** 13(3):285–90, Nov 75

Wastewater renovation and reuse: virus removal by soil filtration. Gilbert RG, et al. **Science** 192(4243):1004–5, 4 Jun 76

Diaphorase activity located in inclusions induced by soil-borne wheat mosaic virus. Hibino H, et al. **Virology** 72(2):421–8, 15 Jul 76

The relationship between soil-borne wheat mosaic virus and tobacco mosaic virus. Powell CA. **Virology** 71(2):453–62, Jun 76

Availability of soil ammoniacal nitrogen to Azotobacter and its effect on nitrogen fixation. Abd-el-Malek Y, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):584–97, 1975

Studies on some environmental factors, affecting denitrification in soil. Abd-el-Malek Y, et al. **Zentralbl Bakteriol [Naturwiss]** 130(7):644–53, 1975

Soil amendments and the rhizosphere effect. Abdel-Nasser M, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):577–83, 1975

Changes in numbers of micro-organisms during decomposition of root exudates in soil. Abdel-Nasser M, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):738–44, 1975

Effects of pure paraquat dichloride,'Gramoxone W' and formulation additives on soil microbiological activities. 2. Effects on respiration, organic matter mineralization, and nitrification in laboratory-treated soil. Anderson JR, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):136–47, 1976

Effects of pure paraquat dichloride, 'Gramoxone W', and formulation additives on soil microbiological activities. 1. Estimations of soil biomass in laboratory-treated soil. Anderson JR, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):125–35, 1976

Activatory effect of some rare earths on microbial nitrogen transformations. Bahadur K, et al. **Zentralbl Bakteriol [Naturwiss]** 130(5):486–90, 1975

Effects of trace elements and phosphate fertilizer on microbial activities of semi-humid soils. El-Shinnawi MM. **Zentralbl Bakteriol [Naturwiss]** 130(1):27–33, 1975

Hydrolysis of urea in different soil types as affected by certain inorganic salts. El-Shinnawi MM. **Zentralbl Bakteriol [Naturwiss]** 130(4):357–62, 1975

Salts affecting microorganisms of certain soils. El-Shinnawi MM. **Zentralbl Bakteriol [Naturwiss]** 130(4):387–94, 1975

A study on the effect of certain phenolic acids and fumarie acid in soil on the development of paddy seedlings and nitrogen-fixing bacteria. Gaur AC, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):148–56, 1976

On the relationship among weight of nodules, their leghaemoglobin and bacteroid content, dry weight, and nitrogen content of soybean. Jain MK, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):732–7, 1975

Socio-ecological studies of the fungal flora in the Egyptian deserts. I. The sociological relations of the fungal flora to the siliceous sand deposit north of Wadi-El-Natrun. Kharboush MA, et al. **Zentralbl Bakteriol [Naturwiss]** 130(2):131–43, 1975

Effect of seed fumigation on the symbiosis of Rhizobium sp. with Arachis hypogaea linn. Kulkarni JH, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):41–4, 1975

Control of pesticide persistence in soil with special respect to microbial activity. Kune F. **Zentralbl Bakteriol [Naturwiss]** 130(1):82–103, 1975

Influence of treflan, lindane, and ceresan on different parameters of symbiotic nitrogen fixation and yield in Cicer arietinum. Mishra KC, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):598–602, 1975

Root exudation in relation to innoculation with rhizobia. Rao AV. **Zentralbl Bakteriol [Naturwiss]** 131(1):79–82, 1976

Biochemical changes in the roots of legumes upon inoculation. Rao AV, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):83–90, 1976

Effectiveness of rhizobia from wild species of Arachis on the cultivated species, A. hypogaea and their physiological characteristics. Singh CS, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):72–8, 1976

Metabolism of p-hydroxybenzoic acid by certain strains of Rhizobia. Tewfik MS, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):34–6, 1975

Efficiency of Rhizobium leguminosarum as affected by certain herbicides and nematocides. Tewfik MS, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):725–31, 1975

Dehydrogenase activity and microbial population in amended and unamended soils with incubation. Vishwanath NR, et al. **Zentralbl Bakteriol [Naturwiss]** 130(2):123–30, 1975

Dehydrogenase activity and microbial population in soils treated with chloroform and toluene. Vishwanath NR, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):348–56, 1975

[Nitric oxide production in rice soils (author's transl)] Garcia JL. **Ann Microbiol (Paris)** 127(3):401–14, Apr 76 (Eng. Abstr.) **(Fre)**

[Denitrifying bacteria of genus Alcaligenes isolated from soil] Pichinoty F, et al. **C R Acad Sci [D] (Paris)** 281(17):1273–5, 27 Oct 75 (Eng. Abstr.) **(Fre)**

[Numerical analysis of telluric nonfermenting Gram-negative bacteria] Debette J, et al. **Can J Microbiol** 21(9):1322–34, Sep 75 (Eng. Abstr.) **(Fre)**

[Pichia lindnerii sp. n., a new methanol assimilating yeast from soil (author's transl)] Henninger W, et al. **Arch Microbiol** 105(1):47–8, 30 Sep 75 (Eng. Abstr.) **(Ger)**

[Keratinophilic fungi in the soil and in soil components of nurseries] Kachnič M, et al. **Dermatol Monatsschr** 161(6):450–4, Jun 75 (Eng. Abstr.) **(Ger)**

[Examination of relations between fertilizing and humic matters (author's transl)] Freytag HE, et al. **Zentralbl Bakteriol [Naturwiss]** 130(5):477–85, 1975 (Eng. Abstr.) **(Ger)**

[The influence of tannic acid on catalase activity on soil samples (author's transl)] Gnittke J, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):37–40, 1975 **(Ger)**

[The importance of weeds for the transmission of Rhizoctonia solani Kühn. I. The presence od Rhizoctonia solani Kühn on weed plants (author's transl)] Griesbach E. **Zentralbl Bakteriol [Naturwiss]** 130(1):45–63, 1975 (Eng. Abstr.) **(Ger)**

[The importance of weeds for the transmission of Rhizoctonia solani Kühn. II. The morphology and physiology of different isolates of Rhizoctonia solani Kühn (author's transl)] Griesbach E. **Zentralbl Bakteriol [Naturwiss]** 130(1):64–81, 1975 (Eng. Abstr.) **(Ger)**

[The importance of weeds for the transmission of Rhizoctonia solani Kühn. III. The influence of weeds on the infestation of potatoes by Rhizoctonia solani (author's transl)] Griesbach E, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):745–60, 1975 (Eng. Abstr.) **(Ger)**

[The qualitative change of the bacteria-flora in arable soils by manuring with definite organic substances. 1st information (author's transl)] Hirte WF. **Zentralbl Bakteriol [Naturwiss]** 130(7):612–32, 1975 (Eng. Abstr.) **(Ger)**

[The modification of soil microflora due to the soil-aeration. 1. The influence of aerobic and anaerobic soil conditions on the bacteriological flora and its psysiologic efficiency (author's transl)] Höflich G. **Zentralbl Bakteriol [Naturwiss]** 130(6):563–76, 1975 (Eng. Abstr.) **(Ger)**

[The modification of soil microflora due to the soil-aeration. 2. The influence of an inhibited aeration and of differentiated O2-partial pressure on the flora of bacteria and fungi at the decay of organic matter (author's transl)] Höflich G. **Zentralbl Bakteriol [Naturwiss]** 130(7):633–43, 1975 (Eng. Abstr.) **(Ger)**

[To the ecology of Bac. cereus var. mycoides (Flügge) in loess black earth in relation to fertilization] Klimanek E, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):66–71, 1976 (Eng. Abstr.) **(Ger)**

[On the efficiency of Bac. cereus var. mycoides (Flügge) during the release of nutritive substances from various organic materials (author's transl)] Klimanek EM, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):21–6, 1975 (Eng. Abstr.) **(Ger)**

[Modification of the biological activity in the soil by natural gas and city gas] Kröger KH. **Zentralbl Bakteriol [Naturwiss]** 130(3):251–84, 1975 **(Ger)**

[Duration of the infectivity of eye–spot–diseased stubbles. III. Influence of roots on infectivity (author's transl)] Lange–de la Camp M, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):395–401, 1975 (Eng. Abstr.) **(Ger)**

[Duration of the infectivity of eye–spot–diseased stubbles. II. (author's transl)] Naumann K, et al. **Zentralbl Bakteriol [Naturwiss]** 130(2):171–94, 1975 (Eng. Abstr.) **(Ger)**

[Long lasting effect of organic and inorganic fertilizers in the soil (author's transl)] Pokorná–Kozová J, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):711–24, 1975 **(Ger)**

[On the distribution of fruiting myxobacteria in European beaches and dunes (author's transl)] Rückert G. **Zentralbl Bakteriol [Naturwiss]** 130(4):343–7, 1975 (Eng. Abstr.) **(Ger)**

[Epidemiology of salmonellae and fertilizing of grasland with sewage sludge (author's transl)] Hess E, et al. **Zentralbl Bakteriol [Orig B]** 161(1):54–60, Sep 75 (Eng. Abstr.) **(Ger)**

[The detection of spores of the bacillus species within the scope of the hygienic control of water pollution (author's transl)] Schubert RH. **Zentralbl Bakteriol [Orig B]** 160(2):155–62, Mar 75 (Eng. Abstr.) **(Ger)**

[Selection of soil fungi in the presence of NaCl] Bruzzone ML, et al. **Ann Ist Super Sanita** 10(1–2):9–12, 1974 (Eng. Abstr.) **(Ita)**

[Behavior of synthetic detergents in surface–soil. IV. Soft detergents catabolites and vital competition] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 25(4):262–70, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Comparative study of aerobic and anaerbic bacteria in the quantitive culture of the soil collected around Showa Base at the South Pole] Miwa T, et al. **Jpn J Bacteriol** 30(1):68, Jan 75 **(Jpn)**

[Comparative sensitivity of methods for isolating Salmonella from the soil] Bespiataia GP. **Gig Sanit** (7):72–6, Jul 75 **(Rus)**

[Establishing a method for studying the action of chemical substances on soil microflora] Goncharuk EI, et al. **Gig Sanit** (6):59–62, Jun 76 **(Rus)**

[Effect of polychlorpinene on the microorganisms and the biological activity of the soil] Goncharuk EI, et al. **Gig Sanit** (5):54–7, May 76 (Eng. Abstr.) **(Rus)**

[Participation of microorganisms that oxidize gaseous hydrocarbons in the carbon cycle of the biosphere] Malashenko IuR, et al. **Izv Akad Nauk SSSR [Biol]** (5):682–93, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Microbiological transformation and degradation of pesticides] Skriabin GK, et al. **Izv Akad Nauk SSSR [Biol]** (6):805–19, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[New genus of actinomycetes: Excellospora gen. nov.] Agre NS, et al. **Mikrobiologiia** 44(3):518–23, May–Jun 75 (Eng. Abstr.) **(Rus)**

[New species of yeast from soil—Candida podzolica sp. n] Bab'eva IP, et al. **Mikrobiologiia** 44(2):333–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of mineral and organic fertilizers on algal growth on soddy–podzol soil] Balezina LS. **Mikrobiologiia** 44(2):347–50, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Radiometric study of the decarboxylating activity of desert soil microflora] Imšenecki AA, et al. **Mikrobiologiia** 44(3):408–13, May–Jun 75 (Eng. Abstr.) **(Rus)**

[The nitrogen fixing activity of actinomycetes in the dark chestnut soil of Northern Kazakhstan] Karamshuk ZP. **Mikrobiologiia** 45(2):347–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Growth of nodule bacteria in soil] Kolenshko OI. **Mikrobiologiia** 44(2):330–2, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Distribution of Rhodosporidium diobovatum yeasts in soil and on plants] Kvasnikov EI, et al. **Mikrobiologiia** 44(4):753–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Yeast flora of plant rhizosphere and phyllosphere] Kvasnikov EI, et al. **Mikrobiologiia** 44(2):339–46, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Reaction of soil microflora to propanide treatment] Oleĭnikov RR, et al. **Mikrobiologiia** 44(1):147–50, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Microorganism in the hyphae of mycorrhiza–forming fungus] Protsenko MA. **Mikrobiologiia** 44(6):1121–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Use of gamma–irradiation of soil for analyzing the state of microbial coeneses] Shcherbakova TA, et al. **Mikrobiologiia** 44(2):325–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Mycoplasma–like sturctures in podzol soils of the southern taiga in the Irtysh region] Sherstoboev NK. **Mikrobiologiia** 44(3):476–80, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Immediate microscopic detection of an actinomycete in the soil producing a luminescent antibiotic] Zviagintsev DG, et al. **Mikrobiologiia** 45(2):337–41, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Fatty acid makeup of the lipids in soil and epiphytic yeasts] Zviagintseva IS, et al. **Mikrobiologiia** 44(4):625–31, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of mineral fertilizers on the microflora of corn roots] Epanchinov AV. **Prikl Biokhim Mikrobiol** 11(2):258–63, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Disinfection of apiary soil in foulbrood of bees] Snirnov AM. **Veterinariia** (6):32–7, Jun 76 **(Rus)**

[Measurement of chemolithothrotrophic denitrifying and sulphate reducing bacteria in an experimental field] Vives J, et al. **Microbiol Esp** 28(1–2):69–74, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

[Identification and characterization of the chemoorganotrophic denitrifying bacteria in an experimental field] Vives J, et al. **Microbiol Esp** 28(1–2):43–53, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

[Microbiological processes related to handling of soil] Amor Asunción MJ, et al. **Rev Asoc Argent Microbiol** 6(1):23–6, Jan–Apr 74 (Eng. Abstr.) **(Spa)**

[Effect of rotting corn straw on the development of bacteria of the Azotobacter group] Soriano S, et al. **Rev Asoc Argent Microbiol** 7(2):56–60, May–Aug 75 (Eng. Abstr.) **(Spa)**

[Resistance factors to antibiotics and sulfamides of enterobacteriaceae isolated from water and sediments of the middle Paraná river (region of Santa Fé–Paraná)] Tessi MA. **Rev Asoc Argent Microbiol** 6(2):62–74, May–Aug 74 (Eng. Abstr.) **(Spa)**

[Bases for the adaptation and experimentation of a new methoologic concept applicable to ecological studies, including plate counts of water and soil microflora] Emiliani F, et al. **Rev Lat Am Microbiol** 17(4):207–10, Oct–Dec 75 (Eng. Abstr.) **(Spa)**

[Ecology of dermatophytes. I. Correlation between the dermatophyte infection and keratinophilic fungi from the soils of Rosario] de Bracalenti BJ, et al. **Sabouraudia** 13(3):255–62, Nov 75 **(Spa)**

[Statistical evaluation of humidity as an ecological factor in microfloral development in irrigated soils in the southern Ukraine] Andreiuk EI, et al. **Med Educ** 38(2):139–44, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Distribution of phytopathogenic bacteria in the rhizosphere of some agricultural plants] Krivets IA, et al. **Med Educ** 38(2):151–5, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Effect of lupine root excretions on phytopathogenic bacteria] Krivets IA. **Med Educ** 38(2):231–3, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Cellulose–digesting mycomycetes in certain types of soils in the Ukrainian SSR] Bilaĭ VI, et al. **Mikrobiol Zh** 36(3):300–3, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[Antagonistic effect of actinomycetes to Shigella sonneĭ in the soil] Kaliuzhna LD, et al. **Mikrobiol Zh** 37(1):49–51, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Pidoplitchkoviella terricola Kiril.—a new ascomycete] Kirilenko TS. **Mikrobiol Zh** 37(5):603–5, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Possibility of the effect of symbiosis on the DNA of nodule bacteria] Krikunets' VM, et al. **Mikrobiol Zh** 37(6):760–1, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Erwinia carotovora in the lupine rhizosphere] Krivets' IA. **Mikrobiol Zh** 37(2):161–5, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Antimicrobic properties of facultative anaerobes isolated from oil–bearing wells] Lipshits' VV, et al. **Mikrobiol Zh** 37(2):155–60, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Interrelationships of the causative agents of root rots between themselves and other microorganisms] Morshchatskiĭ AA. **Mikrobiol Zh** 38(3):303–7, 1976 (Eng. Abstr.) **(Ukr)**

[Study of various biochemical characteristics of bacteria from the genus Brevibacterium Breed, 1953] Nesterenko OO, et al. **Mikrobiol Zh** 37(3):279–83, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Optimization of a method for the determination of tetrazolium reductase in soil] Peterson NV, et al. **Mikrobiol Zh** 37(5):652–8, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[New and rare species of fungi for the USSR's mycoflora] Shekhovtsov OG. **Mikrobiol Zh** 37(2):232–4, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Cellulolytic properties of mycocytes isolated from 4 soil types in the Ukrainian SSR] Shematiuk OG. **Mikrobiol Zh** 36(4):457–61, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

[Synthesis of pyridoxine and cobalamin by nodule bacteria clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(4):433–8, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

[Activity of dehydrogenases in lupine nodule bacteria] Skochins'ka NM, et al. **Mikrobiol Zh** 37(4):427–32, Jul–Sep 75 **(Ukr)**

[Synthesis of thiamine and riboflavin by nodule bacteria of clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(3):314–9, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Group B vitamins in nodules of lupine inoculated with active and less active strains of nodule bacteria] Skochins'ka NM, et al. **Mikrobiol Zh** 37(5):580–3, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Biological activity of dark chestnut soil under irrigation conditions] Smaliĭ VT, et al. **Mikrobiol Zh** 36(3):289–92, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[Microflora of the rhizosphere of a fir stand infected with Fomitopsis annosa Karst] Stefurak VP. **Mikrobiol Zh** 38(3):279–82, 1976 (Eng. Abstr.) **(Ukr)**

[Localization of nitrogenase components and other nonhemin ferroproteids of lupine bacteroids in polyacrylamide gel] Zheliuk VM, et al. **Mikrobiol Zh** 37(5):640–1, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

SOIL POLLUTANTS

Cadmium, lead and zinc accumulation in soils near a smelter complex. John MK, et al. **Environ Lett** 10(1):25–35, 1975

Plutonium—health implications for man. Resuspension and redistribution of plutonium in soils. Anspaugh LR, et al. **Health Phys** 29(4):571–82, Oct 75

Fixation and remobilization of trace contaminants in simulated subsurface aquifers. Champlin JB, et al. **Health Phys** 30(2):215–9, Feb 76

Sorption phenomenon in the organics of bottom sediments. pp. 117–29. Reimers RS, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

Movement and fatc of mercury in an aquatic ecosystem. pp. 61–7. Báez AP, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Comparative behaviour of organochlorine insecticides and related chemical residues in model ecosystems. pp. 35–60. Klein W, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Chemical residue interactions and effects in soil–plant–animal systems. pp. 3–7. Lichtenstein EP. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Uptake and degradation of metamidophos by tomato plants and soils. pp. 157–63. Lubkowitz JA, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Fate and persistence of thiram in plants and soils. pp. 137–48. Raghu K, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Persistence and microbial degradation of parathion in Indian rice soils under flooded conditions. pp. 9–18. Sethunathan N, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.** (16 ref.)

Tracer–aided studies of the movement of toxic elements in soil–plant–water systems under controlled conditions. pp. 23–34. Stewart JW, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Behaviour of phenyl–urea type herbicides and related chemical residues in soil–plant systems. pp. 19–21. Süss A, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.**

Degradation of 4–aminopyridine in soil. Betts PM, et al. **J Agric Food Chem** 24(3):571–4, May–Jun 76

Fate of O–ethyl O–(4–methylthio)phenyl) S–propyl phosphorodithioate (BAY NTN 9306) in cotton plants and soil. Bull DL, et al. **J Agric Food Chem** 24(3):601–5, May–Jun 76

Effect of phosphatases on the persistence of organophosphorus insecticides in soil and water. Heuer B, et al. **J Agric Food Chem** 24(3):611–4, May–Jun 76

Volatilization of dieldrin and heptachior from a maize field. Taylor AW, et al. **J Agric Food Chem** 24(3):625–31, May–Jun 76

Metabolism of the fungicide 2,6–dichloro–4–nitroaniline in soil. Van Alfen NK, et al. **J Agric Food Chem** 24(3):584–8, May–Jun 76

Control of pesticide persistence in soil with special respect to microbial activity. Kune F. **Zentralbl Bakteriol [Naturwiss]** 130(1):82–103, 1975

[Use of sand cultures in setting standards for chemical substances in soil] Goncharuk EI, et al. **Gig Sanit** (4):51–4, Apr 76 **(Rus)**

[The possibility of setting a permissible level of benz(a)pyrene in the soil] Shabad LM, et al. **Gig Sanit** (4):88–91, Apr 75 **(Rus)**

ANALYSIS

Determination of arsenic in sandy soils. Forehand TJ, et al. **Anal Chem** 48(7):999–101, Jun 76

A semi–automated method for the determination of arsenic in soil and vegetation by gas–phase sampling and atomic absorption spectrometry. Vijan PN, et al. **Anal Chim Acta** 82(2):329–36, Apr 76

Distribution of lead, zinc and calcium in Dendrobaena rubida (Oligochaeta) living in soil contaminated by base metal mining in Wales. Ireland MP. **Comp Biochem Physiol [B]** 52(4):551–5, 15 Dec 75

A modified procedure for the determination of nitrate in sediments and some natural waters. Afghan BK, et al. **Environ Lett** 9(1):59–73, 1975

Partitioning of trace metals in selective chemical fractions

of nearshore sediments. Gupta SK, et al. **Environ Lett** 10(2):129–58, 1975 (19 ref.)

Environmental gamma-ray measurements using in situ and core sampling techniques. Dickson HW, et al. **Health Phys** 30(2):221–7, Feb 76

Remote plutonium contamination and total inventories from Rocky Flats. Krey PW. **Health Phys** 30(2):209–14, Feb 76

Extraction of methabenzthiazuron from the soil. Cheng HH, et al. **J Agric Food Chem** 24(2):421–4, Mar–Apr 76

Gas chromatographic determination of thiofanox residues in soil, plants, and water. Chin WT, et al. **J Agric Food Chem** 23(5):963–6, Sep–Oct 75

Gas–liquid chromatographic analysis of the herbicide dinoterb (2,4–dinitro–6–tert–butylphenol) in soil. Dekker WH, et al. **J Agric Food Chem** 23(5):1013, Sep–Oct 75

Heptachlor and dieldrin disappearance from a field soil measured by annual residue determinations. Freeman HP, et al. **J Agric Food Chem** 23(6):1101–5, Nov–Dec 75

Persistence of endrin in Indian rice soils under flooded conditions. Gowda TK, et al. **J Agric Food Chem** 24(4):750–3, Jul–aug 76

Identification of the oxidative decomposition products of the boll weevil pheromone, grandlure, and the determination of the fate of grandlure in soil and water. Henson RD, et al. **J Agric Food Chem** 24(2):228–31, Mar–Apr 76

A simple system to simultaneously measure volatilization and metabolism of pesticides from soils. Kearney PC, et al. **J Agric Food Chem** 24(2):424–6, Mar–Apr 76

Determination of cyperquat (1–methyl–4–phenylpyridinium chloride) residues in soil by gas–liquid chromatography. Khan SU, et al. **J Agric Food Chem** 24(3):684–6, May–Jun 76

Gas chromatographic analysis of oryzalin residues in agricultural crops and soil. Sieck RF, et al. **J Agric Food Chem** 24(3):617–20, May–Jun 76

Isolation and identification of three unreported photodieldrin–14C metabolites in soil. Weisgerber I, et al. **J Agric Food Chem** 23(5):873–7, Sep–Oct 75

Analysis of pesticide residues by chemical derivatization. II. N–methylcarbamates in natural water and soils. Coburn JA, et al. **J Assoc Off Anal Chem** 59(1):188–96, Jan 76

Electron capture gas–liquid chromatographic method for the simultaneous analysis of 2,4–D, dicamba, and mecoprop residues in soil, wheat, and barley. Khan SU. **J Assoc Off Anal Chem** 58(5):1027–31, Sep 75

Proton–induced x–ray emission analysis—a promising technique for studying the metal content of plants and soils. Stanford JM, et al. **Radiat Environ Biophys** 12(3):175–80, 2 Oct 75

Plutonium hazard in respirable dust on the surface of soil. Johnson CJ, et al. **Science** 193(4252):488–90, 6 Aug 76

Binding of (14C) parathion in soil: a reassessment of pesticide persistence. Katan J, et al. **Science** 193(4256):891–4, 3 Sep 76

Lead contamination around secondary smelters: estimation of dispersal and accumulation by humans. Roberts TM, et al. **Science** 186(4169):1120–3, 20 Dec 74

[Mercury pollution of the superficial sediments of the Gulf of Lion] Arnoux A, et al. **C R Acad Sci [D] (Paris)** 281(11):743–6, 15 Sep 75 (Eng. Abstr.) **(Fre)**

[Evidence of benzo–3, 4–pyrene in the water and organic sediments of briny pools of polynesian atolls. Biotic and abiotic factors] Niaussat PM, et al. **C R Acad Sci [D] (Paris)** 281(14):1031–4, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Hygienic norms for chemical substances in the soil] Sidorenko GI, et al. **Z Gesamte Hyg** 20(11):781–4, Nov 74 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Contamination of soil in two city parks with canine nematode ova including Toxocara canis: a preliminary study. Dubin S, et al. **Am J Public Health** 65(11):1242–5, Nov 75

PHARMACODYNAMICS

[Behavior of synthetic detergents in surface–soil. IV. Soft detergents catabolites and vital competition] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 25(4):262–70, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

SOIL POLLUTANTS, RADIOACTIVE see under **SOIL POLLUTANTS**

SOLANINE

ANALOGS & DERIVATIVES

Pharmacology and toxicology of chaconine and tomatine. Nishie K, et al. **Res Commun Chem Pathol Pharmacol** 12(4):657–68, Dec 75

POISONING

[Laryngeal paralysis and associated tracheobronchial lesions of unusual toxic origin] Olariu B, et al. **Rev Chir [Otorinolaringol]** 21(2):153–6, Apr–Jun 76 **(Rum)**

TOXICITY

Embryotoxicity of solanine and aspirin in mice. Bell DP, et al. **J Reprod Fertil** 46(1):257–9, Jan 76

SOLAR PLEXUS see **CELIAC PLEXUS**

SOLDERING, DENTAL

Preceramic and postceramic solder joints Stade EH, et al. **J Prosthet Dent** 34(5):527–32, Nov 75

A photomicrographic evaluation of the solder joint between precious and nonprecious metal. Walters RA. **J Prosthet Dent** 35(6):689–92, Jun 76

SOLUBILITY

Anesthetics alter the solubility of nonpolar compounds in water. Buffington C, et al. **Bull NY Acad Med** 52(7):838–41, Sep 76

Relationship between the biological availability and solubility rate of reduced iron. Pla GW, et al. **J Assoc Off Anal Chem** 59(3):582–3, May 76

Comparison of several molecular topological indexes with molecular surface area in aqueous solubility estimation. Amidon GL, et al. **J Pharm Sci** 65(6):801–6, Jun 76

Dissolution studies with a multichannel continuous–flow apparatus. Cakiryilditz C, et al. **J Pharm Sci** 64(10):1692–7, Oct 75

Editorial: Dissolution test blossoms. Feldmann EG. **J Pharm Sci** 65(4):I, Apr 76

Solubilization as a method for studying self–association: solubility of naphthalene in the bile salt sodium cholate and the complex pattern of its aggregation. Murkerjee P, et al. **J Pharm Sci** 65(6):882–6, Jun 76

Nonsink dissolution rate equations. Patel M, et al. **J Pharm Sci** 64(10):1651–6, Oct 75

Continuous dissolution rate determination as a function of the pH of the medium. Turi P, et al. **J Pharm Sci** 65(6):806–10, Jun 76

Effects of various hydrodynamic conditions on dissolution rate determinations. Underwood FL, et al. **J Pharm Sci** 65(5):697–700, May 76

Solubility of various inert gases in rat skeletal muscle. Carles AC, et al. **Pfluegers Arch** 359(3):209–18, 9 Sep 75

[Letter: Bismuth intoxications. One suspect, lactic acid] Hartemann PH, et al. **Nouv Presse Med** 5(15):1001–2, 10 Apr 76 **(Fre)**

[Influence of viscosity of the solvent on the dissolution rate (author's transl)] Riehl J, et al. **Arch Pharm (Weinheim)** 309(4):241–50, Apr 76 (Eng. Abstr.) **(Ger)**

[Effects of dissolution tester on the dissolution of drugs from pharmaceutical preparations (author's transl)] Kitazawa S, et al. **J Pharm Soc Jpn** 95(7):872–8, Jul 75 (Eng. Abstr.) **(Jpn)**

[Method of phase solubility and its use in phamaceutical analysis] Pakholkov GV, et al. **Farmatsiia** 24(2):82–5, Mar–Apr 75 (25 ref.) **(Rus)**

SOLUTIONS

Of soup. Burch GE. **Am Heart J** 91(2):267, Feb 76

Application of a programmable pocket calculator to a single compartment mathematical model of solute kinetics. Walker WE, et al. **Comput Programs Biomed** 5(2):99–104, Dec 75

Intraocular irrigating solutions and their use for vitrectomy. pp. 265–87. Edelhauser HF, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Consistency relations in solid solution melting–point diagrams. Carstensen JT, et al. **J Pharm Sci** 65(1):158–60, Jan 76

Modification of the Rigaku–Denki x–ray goniometer with Kratky collimator for weakly scattering solutions. Murthy NS, et al. **J Phys E Sci Instrum** 9(7):563–6, Jul 76

Renal tubular mechanisms of organic solute transport. Ullrich KJ. **Kidney Int** 9(2):134–48, Feb 76

Drainage of the subretinal fluid and injection of saline solution into the vitreous body. Blagojević M, et al. **Mod Probl Ophthalmol** 15:169–73, 1975

Intraocular injection of balanced salt solution and/or air as aids in the release of subretinal fluid. Rodriguez A. **Mod Probl Ophthalmol** 15:158–62, 1975

Technique to prevent corneal drying in the rabbit. Choudhury BP. **Physiol Behav** 16(2):231–2, Feb 76

Canine renal preservation for 24–72 hours using intracellular solutions. Aguilo JJ, et al. **Rev Surg** 32(5):371–4, Sep–Oct 75

Colligative properties of a solution. Hammel HT. **Science** 192(4241):748–56, 21 May 76

Differences in solute sieving with osmotic vs hydrostatic ultrafiltration. Nolph KD, et al. **Trans Am Soc Artif Intern Organs** 22:618–26, 1976

Asimple test for immunogenicity of colloidal infusion solutions– the draining lymph node activation. Korčáková L, et al. **Z Immunitaetsforsch** 151(3):219–23, Apr 76

[Volumetric solutions in the Czechoslovak Pharmacopoeia. Analysis of the current development and possibilities of rational use in the Czechoslovak Pharmacopoeia 4] Subert J, et al. **Cesk Farm** 25(3–4):135–8, May 76 **(Cze)**

[Use of a complete nutriment: Trive 1000 (EB 51). Round table] **Ann Anesthesiol Fr** 16(3):123–33, May–Jun 75 **(Fre)**

[The interpretation of the redox potential of biological objects. VII. Determination with various platinum electrodes in electrodes in electrolyte solutions] Jacob H–E, et al. **Z Allg Mikrobiol** 15(7):513–22, 1975 **(Ger)**

[Use of a micro–proportionating pump as a diluting apparatus] Seelig G, et al. **Z Med Labortech** 16(2):128–9, 1975 **(Ger)**

[Study of the dialytic clearance of some solutes as a function of ultrafiltration] Arisi L, et al. **Minerva Nefrol** 21(4):257–62, Jul–Aug 74 **(Ita)**

[Preparation of reduced phosphomolybdic acid solution by using basic organic drugs in spectrophotometry determination] Baptista Prado A, et al. **Arq Inst Biol (Sao Paulo)** 39(3):151–7, 1972 (Eng. Abstr.) **(Por)**

ANALYSIS

Thin layer spectroelectrochemical study of vitamin B12 and related cobalamin compounds in aqueous media. Kenyhercz TM, et al. **J Am Chem Soc** 98(9):2469–77, 28 Apr 76

Mass spectrometric determination of partial pressures of gases in liquids. Löllgen H, et al. **Pneumonologie** 151(4):292–4, 30 May 75

[Trace element content of infant foods and infusion solutions] pp. 137–48. Moeller H, et al.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. **(Ger)**

RADIATION EFFECTS

Reactions of hydroxyl radicals with nucleic acid bases and the related compounds in gamma–irradiated aqueous solution. Masuda T, et al. **J Radiat Res (Tokyo)** 16(3):153–61, Sep 75

STANDARDS

[Quality control of acids for laboratory diagnosis made in the pharmacies] Neubauer D, et al. **Pharmazie** 31(4):73–5, Apr 76 **(Ger)**

[Improvement of Collins' perfusion solution] Fürtig W. **Z Urol Nephrol** 68(12):891–3, Dec 75 **(Ger)**

SOLVENTS

Letter: Stoddards solvent and chemical nomenclature. Horowitz LD. **Am Ind Hyg Assoc J** 36(9):A–10, Sep 75

Stoddard Solvent (mineral spirits, white spirits). McDermott HJ. **Am Ind Hyg Assoc J** 36(7):553–8, Jul 75

A universal gradient apparatus for multiple organic solvents. I. Principle, construction and gradient evaluation. Denoo A, et al. **Anal Biochem** 69(1):16–28, Nov 75

Giant axonal swelling in 'huffer's' neuropathy. Oh SJ, et al. **Arch Neurol** 33(8):583–6, AUG 76

A study of solvent sniffing in Lanarkshire 1973/1974. Watson JM. **Health Bull (Edinb)** 33(4):153–5, Jul 75

A recent case history of groundwater pollution by organic solvents. pp. 346–7. Day JB.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Deliberate hydrocarbon inhalation among low–socioeconomic adolescents not necessarily apprehended by the police. Stybel LJ, et al. **Int J Addict** 11(2):345–61, 1976

Letter: The disposal of radioactive solvent waste. Dean B, et al. **Int J Appl Radiat Isot** 27(3):185–6, Mar 76

Effects of solvent casting copolymer materials as related to mechanical properties. Bagrodia S, et al. **J Biomed Mater Res** 10(1):101–11, Jan 76

Preparing samples for the recording of infrared spectra from synthetic fibers. Grieve MC, et al. **J Forensic Sci** 21(2):307–14, Apr 76

Extraction procedures for some common drugs in clinical and forensic toxicology. Hackett LP, et al. **J Forensic Sci** 21(2):263–74, Apr 76

Application of SCAP to drug design. 1. Prediction of octanol–water partition coefficients using solvent–dependent conformational analyses. Hopfinger AJ, et al. **J Med Chem** 19(5):569–73, May 76

Solubilization in a non–aqueous solvent. Attwood D, et al. **J Pharm Pharmacol** 27(9):692–4, Sep 75

Deviation of dielectric constant from ideality for certain binary solvent systems. Amirjahed AK, et al. **J Pharm Sci** 64(9):1569–70, Sep 75

Relative effectiveness of various solvents for oil red O. Feldman AT, et al. **Med Lab Technol** 31(4):335–41, Oct 74

Stimulation of transcription on chromatin by polar organic compounds. Sträting WH. **Nucleic Acids Res** 3(5):1203–13, May 76

Molecular models for the solvation of small ions and polar molecules. Schuster P, et al. **Top Curr Chem** (60):1–107, 1975 (276 ref.)

[Determination of acidity–constants in mixed solvents (author's transl)] Binder A, et al. **Arch Pharm (Weinheim)** 308(10):727–31, Oct 75 (Eng. Abstr.) **(Ger)**

[Constant boiling solvent mixture for thin–layer chromatography] Röder E. **Pharmazie** 30(6):349–52, Jun 75 (30 ref.) **(Ger)**

[Light– and electron microscopy studies on dura transplants preserved with solvents in animal experiment] Stöss H, et al. **Verh Dtsch Ges Pathol** 59:569, 1975 **(Ger)**

[Solvents and climate in the viscous textile industry] Sala C. **Med Lav** 66(4):348–56, Jul–Aug 75 **(Ita)**

[2 methods of preparing solvent systems for the chromatographic separation of organic acids] Kriventsov VI. **Prikl Biokhim Mikrobiol** 11(5):788–91, Sep–Oct 75

(Eng. Abstr.) (Rus)
[Study of the conditions for grinding a powder of diprophyllin in the presence of solvents] Golovkin VO, et al. **Farm Zh** 31(1):71–3, Jan–Feb 76 (Ukr)

ADVERSE EFFECTS

Letter: Hydrocarbon exposure and cancer. Capurro PU. **Lancet** 2(7979):253–4, 31 Jul 76
Letter: Dangers of petrol used as solvent. Verwilghen RL, et al. **Lancet** 2(7945):1156, 6 Dec 75
Solvent sniffing: a continuing problem among youth. Linder RL, et al. **Proc West Pharmacol Soc** 18:371–4, 1975
A case-referent study on neuropsychiatric disorders among workers exposed to solvents. Axelson O, et al. **Scand J Work Environ Health** 2(1):14–20, Mar 76
[Ovarian function and leukocyte alkaline phosphatase in occupational contact with organic solvents] Panova Z, et al. **Akush Ginekol (Sofiia)** 14(5):390–4, 1975 (Eng. Abstr.) (Bul)
[Organic solvents in the air inhaled by the house painters] Molhave L, et al. **Ugeskr Laeger** 138(20):1230–7, 10 May 76 (Eng. Abstr.) (Dan)
[Value of electromyography in the study of polyneuropathy caused by industrial glues] Sanna G, et al. **Riv Neurol** 45(4):447–75, Oct–Dec 75 (Eng. Abstr.) (Ita)
[Studies on polyneuropathies from exposure to some adhesives (author's transl)] Battistini N, et al. **Riv Patol Nerv Ment** 95(6):871–85, Dec 74 (Eng. Abstr.) (Ita)
[Clinical and epidemiological aspects of cases of polyneuritis caused by industrial glues, observed recently in the environs of Naples (author's transl)] Buscaino GA, et al. **Riv Patol Nerv Ment** 95(6):896–913, Dec 74 (Eng. Abstr.) (Ita)
[Polyneuritis caused by glues: toxicological, clinical and electromyographic considerations (author's transl)] Cosi V. **Riv Patol Nerv Ment** 95(6):837–57, Dec 74 (Eng. Abstr.) (Ita)
[Attempted detection of polyneuropathy caused by glues. Serum protein changes (author's transl)] De Luca R, et al. **Riv Patol Nerv Ment** 95(6):886–95, Dec 74 (Eng. Abstr.) (Ita)
[Electroencephalographic research in shoe industry workers exposed to the risk of poisoning from adhesive solvents (author's transl)] Giuliano G, et al. **Riv Patol Nerv Ment** 95(6):929–38, Dec 74 (Eng. Abstr.) (Ita)
[Polyneuropathies due to adhesives: a clinical and statistical study in the province of Verona (author's transl)] Montanari M, et al. **Riv Patol Nerv Ment** 95(6):859–70, Dec 74 (Eng. Abstr.) (Ita)
[Clinical evaluation of the chronic complex effect on the human body of certain solvents] Vasil'eva TF. **Gig Tr Prof Zabol** (8):48–9, Aug 75 (Rus)
[Editorial: Neurasthenia and dementia—long-time effects of thinners] Edström R. **Lakartidningen** 72(49):4849, 3 Dec 75 (Swe)

ANALYSIS

Analytical guide: organic solvent vapors. **Am Ind Hyg Assoc J** 36(9):704–6, Sep 75
Evaluation of charcoal sampling tubes. Burnett RD. **Am Ind Hyg Assoc J** 37(1):37–45, Jan 76
Respirator cartridge efficiency studies: VI. Effect of concentration. Nelson GO, et al. **Am Ind Hyg Assoc J** 37(4):205–16, Apr 76
Evaluation of the exposure to organic solvent mixture. Comparative studies on detection tube and gas–liquid chromatographic methods, personal and stationary sampling, and urinary metabolite determination. Tokunaga R, et al. **Int Arch Arbeitsmed** 33(4):257–67, 1974
Gas–liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, food-simulating solvents, and other samples. Breder CV, et al. **J Assoc Off Anal Chem** 58(6):1214–20, Nov 75
Detection of volatile solvents in gastric contents by gas phase infrared spectrophotometry. Fastlich E. **J Assoc Off Anal Chem** 59(1):130–3, Jan 76

CLASSIFICATION

Evaluation and selection of optimal solvents and solvent combinations in thin–layer chromatography. Application of the method to basic drugs. De Clercq H, et al. **J Chromatogr** 115(1):1–7, 10 Dec 75

METABOLISM

Paint-remover hazard. Stewart RD, et al. **JAMA** 235(4):398–401, 26 Jan 76
Uptake of solvents in the blood and tissues of man. A review. Astrand I. **Scand J Work Environ Health** 1(4):199–218, Dec 75 (32 ref.)
[Basic principles concerning absorption, distribution and elimination of industrial solvents (author's transl)] Gubéran E. **Ther Umsch** 32(3):172–6, Mar 75 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Inactivation of the mycophage activity by lipid solvents. Wisingerová E, et al. **Ann Selavo** 17(4):634–40, Jul–Aug 75
Why do organic solvents enhance mistakes in aminoacyl tRNA synthesis? Yarus M. **Arch Biochem Biophys** 174(1):350–4, May 76
Stimulation by organic solvents and detergents of conversion of L-sorbose to L-sorbosone by Gluconobacter melanogenus IFO 3293. Martin CK, et al. **Biotechnol Bioeng** 17(10):1473–83, Oct 75
Investigation of possible solvents for extracellular polysaccharides from Streptococcus mutans and Streptococcus sanguis. Lamberts BL, et al. **J Dent Res** 54(4):857–66, Jul–Aug 75
Effect of solvents on cutaneous penetration of acridine orange. Regezi JA. **J Dent Res** 54(6):1232, Nov–Dec 75
[The effect of various solvents (benzene, toluene, acetone) used with carcinogens on the collagen content of the mouse dorsal skin] Mazzucco K. **Osterr Z Onkol** 2(2–3):49–51, 1975 (Eng. Abstr.) (Ger)
[Study of the association of nystatin and amphotericin B in nonaqueous solvent systems] Vaĭnshtein VA, et al. **Antibiotiki** 20(8):688–92, Aug 75 (Eng. Abstr.) (Rus)
[Effect of electrolytes on the extraction of coniine, phenatin, cyclodol and tropacine by organic solvents] Griaznova EA. **Farmatsiia** 24(5):34–9, Sep–Oct 75 (Eng. Abstr.) (Rus)

POISONING

The clinical toxicology of solvent abuse. Comstock BS, et al. **Clin Toxicol** 9(2):169–84, 1976
Experimental neuropathy produced by 2,5-hexanedione—a major metabolite of the neurotoxic industrial solvent methyl n-butyl ketone. Spencer PS, et al. **J Neurol Neurosurg Psychiatry** 38(8):771–5, Aug 75
[The generative function of women having occupational contact with organic solvents] Panova Z. **Akush Ginekol (Sofiia)** 13(6):461–5, 1974 (Bul)
[Editorial: Dissolution solvents—poisoning in the occupation of painting] Stokholm J. **Ugeskr Laeger** 138(20):1223–4, 10 May 76 (Dan)
[Case of fatal trichloroethane 1,1,1 poisoning] Rouzioux JM, et al. **Med Leg Dommage Corpor** 7(4):366–7, Oct–Dec 74 (Fre)
[Letter: Toxic polyneuritis in a plastic worker. Possible role of methyl–ethyl–ketone] Viader F, et al. **Nouv Presse Med** 4(24):1813–4, 14 Jun 75 (Fre)
[Potential hazards of organic solvents in the occupational environment (author's transl)] Fernandez JG. **Ther Umsch** 32(3):177–80, Mar 75 (Eng. Abstr.) (Fre)
[Polyneuropathy caused by industrial glues. Clinical case] Majeron M, et al. **Minerva Med** 66(80):4265–8, 24 Nov 75 (Ita)
[Neuropsychiatric disease in workers exposed to solvents—a case control study] Axelson O, et al. **Lakartidningen** 73(5):322–5, 28 Jan 76 (Eng. Abstr.) (Swe)
[Hobby activity and death from sniffing] Sjöberg C. **Lakartidningen** 73(33):2659–60, 11 Aug 76 (Swe)

STANDARDS

[Reliability of N.M.R. employed in evaluating refrigerating mixtures organic solvents R 22 (Author's transl)] Catena G, et al. **Ann Ist Super Sanita** 10(3–4):134–46, 1974 (Eng. Abstr.) (Ita)

TOXICITY

Serum enzymes activity of mesitylene vapour treated rats. Wiglusz R, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):303–13, 1975
Peripheral blood of mesitylene vapour treated rats. Wiglusz R, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):315–21, 1975
Induction of microsomal enzymes in the rat liver by inhalation of hydrocarbon solvents. Norpoth K, et al. **Int Arch Arbeitsmed** 33(4):315–21, 1974
Petroleum hydrocarbon toxicity studies. IV. Animal and human response to vapors of rubber solvent. Carpenter CP, et al. **Toxicol Appl Pharmacol** 33(3):526–42, Sep 75
[Acute effects of solvents on behavior and brain electric activity. Experimental study in the cat] Flores CG, et al. **Bol Estud Med Biol** 28(5):157–65, Jan 74 (Eng. Abstr.) (Spa)

SOMA see **CARISOPRODOL**

SOMAN see under **ORGANOPHOSPHORUS COMPOUNDS**

SOMATIC CELL HYBRIDS see **HYBRID CELLS**

SOMATOMAMMOTROPIN, CHORIONIC see **PLACENTAL LACTOGEN**

SOMATOMEDIN

Somatomedins. Hall K, et al. **Adv Metab Disord** 8:19–46, 1975 (128 ref.)
Isolation and chemistry of human somatomedins A and B. Sievertsson H, et al. **Adv Metab Disord** 8:47–60, 1975 (12 ref.)
A general bioassay program for desktop computer: application to somatomedin bioassay. Phillips LS, et al. **Comput Biomed Res** 8(4):362–69, Aug 75
Somatomedins. pp. 167–72. Van den Brande JL, et al. **In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic Press, 1975. WK 810 S989c 1974.** (38 ref.)
[Editorial: Somatomedins] Meimoni M, et al. **Harefuah** 89(3):131–2, 1 Aug 75 (Heb)
[Recent development in the study of somatomedin (author's transl)] Shizume K, et al. **J Jpn Soc Intern Med** 64(2):99–113, 10 Feb 75 (102 ref.) (Jpn)

ANALYSIS

Somatomedin levels in human beings. Daughaday WH. **Adv Metab Disord** 8:159–70, 1975 (36 ref.)
The measurement of somatomedin A by radioreceptor assay. Hall K, et al. **Adv Metab Disord** 8:61–71, 1975
Further observations on plasma somatomedin activity in children. van den Brande JL, et al. **Adv Metab Disord** 8:171–81, 1975
Somatomedin A and B: demonstration of two different somatomedinlike components in human plasma. Wasteson A, et al. **Adv Metab Disord** 8:101–13, 1975 (23 ref.)
Radioimmunoassay of Somatomedin B. Yalow RS, et al. **Adv Metab Disord** 8:73–83, 1975
Amniotic fluid reactivity detected by somatomedin C radioreceptor assay: correlation with growth hormone, prolactin and fetal renal maturation. Chochinov RH, et al. **J Clin Endocrinol Metab** 42(5):983–6, May 76
Letter: Amniotic-fluid somatomedin A and fetal C.N.S. damage. Moberg PJ, et al. **Lancet** 1(7967):1016, 8 May 76

ANTAGONISTS & INHIBITORS

Interaction of somatomedin and a peptide inhibitor in serum of hypophysectomized and starved, pituitary-intact rats. Salmon WD Jr. **Adv Metab Disord** 8:183–99, 1975

BIOSYNTHESIS

Somatomedin generation by perfused livers. Daughaday WH, et al. **Adv Metab Disord** 8:151–7, 1975

BLOOD

Growth hormone and somatomedin behaviour in the newborn. Giodano G, et al. **Acta Endocrinol (Kbh)** 81(3):449–54, Mar 76
The interaction of growth hormone, somatomedin and oestrogen in patients with Turner's syndrome. Saenger P, et al. **Acta Endocrinol (Kbh)** 81(1):9–18, Jan 76
Non-suppressible insulin-like activity and sulphaton activity in serum extracts of normal subjects, acromegalics and pituitary dwarfs. Schlumpf U, et al. **Acta Endocrinol (Kbh)** 81(1):28–42, Jan 76
Somatomedin A in human serum, determined by radioreceptor assay. Takano K, et al. **Acta Endocrinol (Kbh)** 82(3):449–59, Jul 76
Growth hormone and somatomedin A in girls with adolescent idiopathic scoliosis. Willner S, et al. **Acta Paediatr Scand** 65(5):547–52, Sep 76
Purification of bovine somatomedin. Liberti JP. **Biochem Biophys Res Commun** 67(3):1226–33, 1 Dec 75
Cartilage sulfation and serum somatomedin in rats during and after cortisone-induced growth arrest. Mosier HD Jr, et al. **Endocrinology** 99(2):580–9, Aug 76
Nutrition and somatomedin. I. Effect of fasting and refeeding on serum somatomedin activity and cartilage growth activity in rats. Phillips LS, et al. **Endocrinology** 99(1):304–14, Jul 76
Serum insulin and somatomedin levels in the tumour-bearing rat. Goodlad GA, et al. **Eur J Cancer** 11(10):733–7, Oct 75
Acute and chronic estrogen effects upon serum somatomedin activity, growth hormone, and prolactin in man. Wiedemann E, et al. **J Clin Endocrinol Metab** 42(5):942–52, May 76
Investigation of carbohydrate metabolism and somatomedin in osteosarcoma patients. Scranton PE Jr, et al. **J Surg Oncol** 7(5):403–9, 1975
Letter: Serum somatomedin-C in achondroplasia. Horton WA, et al. **N Engl J Med** 295(8):453–4, 19 Aug 76
Pituitary dwarfism in german shepherd dogs: studies on somatomedin activity. Willeberg P, et al. **Nord Vet Med** 27(9):448–54, Sep 75
[Somatomedin in chronic liver diseases] Marek J, et al. **Cas Lek Cesk** 115(7):209–12, 20 Feb 76 (Eng. Abstr.) (Cze)
[Radioreceptor assay of somatomedin] Takano K. **Jpn J Clin Med** 34(3):466–70, 1976 (22 ref.) (Jpn)

ISOLATION & PURIFICATION

Purification of growth-promoting peptides and proteins, and of histones, by high pressure silica gel chromatography. Pickart LR, et al. **Prep Biochem** 5(5–6):397–412, 1975

METABOLISM

Nutrition and somatomedin. II. Serum somatomedin activity and cartilage growth activity in streptozotocin-diabetic rats. Phillips LS, et al. **Diabetes** 25(6):516–27, Jun 76
Comparison of somatomedin activity in rat serum and lymph. Cohen KL, et al. **Endocrinology** 97(3):654–8, Sep 75
The effects of insulin and growth hormone on the release of somatomedin by the isolated rat liver. Daughaday WH, et al. **Endocrinology** 98(5):1214–9, May 76
Comparison of somatomedin activity in perfusates of normal and hypophysectomized rat livers with and without added growth hormone. Phillips LS, et al. **Endocrinology** 98(3):606–14, Mar 76
Binding of somatomedins and insulin to plasma membranes prepared from rat and monkey tissue. Takano K, et al. **Horm Metab Res** 8(1):16–24, Jan 76
Growth hormone secretion and sulfation factor activity in

pseudohypoparathyroidism. Urdanivia E, et al. **J Lab Clin Med** 86(5):772–6, Nov 75

Letter: Somatomedin in cerebral gigantism. Saenger P, et al. **J Pediatr** 88(1):155–6, Jan 76

[Growth hormone and Somatomedin. A brief review (author's transl)] Lund-Larsen TR. **Nord Vet Med** 27(9):442–7, Sep 75 (Eng. Abstr.) **(Nor)**

PHARMACODYNAMICS

Preliminary studies of somatomedin in vitro and in vivo in rats. Uthne K. **Adv Metab Disord** 8:115–26, 1975

Explorations of the insulinlike and growth-promoting properties of somatomedin by membrane receptor assays. van Wyk JJ, et al. **Adv Metab Disord** 8:127–50, 1975 (30 ref.)

Steroid hormone effects on sonatomedin. I. Somatomedin action in vitro. Phillips LS, et al. **Endocrinology** 97(4):780–6, Oct 75

Comparison of the delayed actions of growth hormone and somatomedin on adipose tissue metabolism. Schwartz J, et al. **Endocrinology** 98(3):730–7, Mar 76

Initiation of DNA synthesis of stationary human glia-like cells by a polypeptide fraction from human plasma containing somatomedin activity. Westermark B, et al. **Exp Cell Res** 96(1):58–62, Nov 75

Response of isoalted rabbit articular and epiphyseal chondrocytes to rat liver somatomedin. Ash P, et al. **J Endocrinol** 66(1):71–8, Jul 75

Nonsuppressible insulin-like activity and thyroid hormones: major pituitary-dependent sulfation fact· s for chick embryo cartilage. Froesch ER, et al. **Proc Natl Acad Sci USA** 73(8):2904–8, Aug 76

PHYSIOLOGY

Somatomedin and the regulation of skeletal growth. Elders MJ, et al. **Ann Clin Lab Sci** 5(6):440–51, Nov-Dec 75

Human growth hormone and somatomedin. pp. 114–33. Bala RM. **In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 l65r 1973.** (76 ref.)

Somatomedins. Van den Brande JL, et al. **Isr J Med Sci** 11(7):693–8, Jul 75 (38 ref.)

The somatomedins and growth. **Nutr Rev** 33(9):262–5, Sep 75 (7 ref.)

[Biological significance of the rotation of posterior or anterior growth of the mandible] Petrovic A, et al. **Rev Stomatol Chir Maxillofac** 77(2):413–5, Mar 76 **(Fre)**

SECRETION

Glucocorticoid therapy in children. Effect on somatomedin secretion. Elders MJ, et al. **Am J Dis Child** 129(12):1393–6, Dec 75

THERAPEUTIC USE

[Somatostatin and somatomedins--new hormones with connection to diabetes research and future diabetes therapy] Efendić S, et al. **Lakartidningen** 13(13):1198–202, 24 Mar 76 (Eng. Abstr.) **(Swe)**

URINE

Immunoreactive somatomedin B in urine. Yalow RS, et al. **J Clin Endocrinol Metab** 41(3):638–9, Sep 75

SOMATOSENSORY CORTEX

ANATOMY & HISTOLOGY

Origin, course and termination of corticospinal fibers in a prosimian primate, Galago. Goode GE, et al. **Brain Behav Evol** 12(4–6):334–60, 1975

A proportional relationship between peripheral innervation density and cortical neuron number in the somatosensory system of the mouse. Lee KJ, et al. **Brain Res** 99(2):349–53, 5 Dec 75

The commissural fibre connections of the primary somatic sensory cortex. Shanks MF, et al. **Brain Res** 98(1):166–71, 7 Nov 75

Distribution and properties of commissural and other neurons in cat sensorimotor cortex. Miller R. **J Comp Neurol** 164(3):361–73, 1 Dec 75

Opossum somatic sensory cortex: a microelectrode mapping study. Pubols BH Jr, et al. **J Comp Neurol** 165(2):229–45, 15 Jan 76

The organization and postnatal development of the commissural projection of the rat somatic sensory cortex. Wise SP, et al. **J Comp Neurol** 168(3):313–43, 1 Aug 76

Comparative anatomical studies of the SmL face cortex with special reference to the occurrence of 'barrels' in layer IV. Woolsey TA, et al. **J Comp Neurol** 164(1):79–94, 1 Nov 75

Gangliosides and the architecture of human frontal and rat somatosensory isocortex. Hess HH, et al. **J Neurochem** 26(6):1115–21, Jun 76

[Further studies of the nude (spine-free) initial zone of the apical dendrite of cortical pyramidal cells in the albino rat] Doedens K, et al. **Z Mikrosk Anat Forsch** 88(6):1093–109, 1974 (Eng. Abstr.) **(Ger)**

[Projections of the somatosensory areas of the cerebral cortex into the thalamic nuclei] Eliseeva ZV, et al. **Biull Eksp Biol Med** 80(10):113–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Spatial organization of the direct connections of the sensory-motor cortex with the rhombencephalon and spinal cord in cats] Maiskiĭ VA, et al. **Neirofiziologiia** 8(2):126–33, 1976 (Eng. Abstr.) **(Rus)**

[Character of neuronal functional associations according to the content of RNA and SH-groups in the cat cerebral cortex] Khusainova IS, et al. **Tsitologiia** 17(11):1289–93, Nov 75 (Eng. Abstr.) **(Rus)**

[Interrelationship between the cutaneous and motor analyzers of the cat cerebral cortex] Kotliar BI, et al. **Zh Vyssh Nerv Deiat** 25(4):161–3, Jul-Aug 75 **(Rus)**

BLOOD SUPPLY

Recovery of the cortical evoked response following temporary middle cerebral artery occlusion in baboons: relation to local blood flow and PO2. Branston NM, et al. **Stroke** 7(2):151–7, Mar-Apr 76

CYTOLOGY

Changes in pyramidal cell density consequent to vibrissae removal in the newborn rat. Ryugo DK, et al. **Brain Res** 96(1):82–7, 10 Oct 75

A comparison of primary afferent and cortical neurone activity coding sinus hair movements in the cat. Schultz W, et al. **Exp Brain Res** 24(4):365–81, 26 Feb 76

Commissural and cortico-cortical 'columns' in the somatic sensory cortex of primates. Jones EG, et al. **Science** 190(4214):572–4, 7 Nov 75

DRUG EFFECTS

The influence of GABA-like compounds (3-APS) on bioelectrical activity during the ontogeny of rats. Rokyta R, et al. **Act Nerv Super (Praha)** 17(1):34–5, Mar 75

Effect of water-soluble contrast media on cortically evoked potentials in the cat. Oftedal SI, et al. **Acta Radiol [Suppl] (Stockh)** (335):133–42, 1973

Barbiturate spindle activity in functionally corresponding thalamic and cortical somato-sensory areas in the cat. Ganes T, et al. **Brain Res** 98(3):457–72, 21 Nov 75

Barbiturate spindle activity in the thalamic lateral ventro-posterior nucleus and the second somato-sensory area of the cortex. Ganes T. **Brain Res** 98(3):473–83, 21 Nov 75

Brbiturate spindle activity in the association cortex of the cat and its relation to spindle activity in the somatosensory system. Ganes T. **Brain Res** 101(1):23–35, 9 Jan 76

Synchronization of the electrocorticogram by visceral and somatic bradykinin stimulation in anesthetized cats. Krauthamer G, et al. **Electroencephalogr Clin Neurophysiol** 41(2):153–67, Aug 76

Proceedings: A laminar study of somatosensory evoked potentials under the influence of pentylenetetrazol (PTZ) in the neocortex of the rat. Machek J, et al. **Electroencephalogr Clin Neurophysiol** 39(5):546, Nov 75

Behavioral and electrographic changes in rat and man after MSH. Kastin AJ, et al. **Prog Brain Res** 42:143–50, 1975

[Bisynchronous discharge of symmetrical cortical epileptogenic foci and thaurine resistence (author's transl)] Delsedime M, et al. **Riv Patol Nerv Ment** 96(4):233–8, Jul-Aug 75 (Eng. Abstr.) **(Ita)**

[A neurophysiologic analysis of the effect of amidopyrine at the thalamo-cortical level of the somatosensory system] Komendantova MV, et al. **Biull Eksp Biol Med** 81(1):41–2, Jan 76 (Eng. Abstr.) **(Rus)**

[Changes in the phasic evoked activity of cortical neurons following iontophoretic application of glutamate, GABA and atropine] Bezdenezhnykh BN, et al. **Neirofiziologiia** 8(2):192–5, 1976 (Eng. Abstr.) **(Rus)**

[The effect of hydrocortisone on the impulse activity of cat cerebral cortex neurons] Ianvareva IN, et al. **Probl Endokrinol (Mosk)** 22(3):75–80, May-Jun 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Comparison of postnatal CNS development between male and female rats. Gregory E. **Brain Res** 99(1):152–6, 28 Nov 75

Anomalous organization of thalamocortical projections consequent to vibrissae removal in the newborn rat and mouse. Killackey HP, et al. **Brain Res** 104(2):309–15, 12 Mar 76

[Ontogenesis of the spine-free initial zone of apical dendrites; studies in cortical pyramidal cells of albino rat] Doedens, et al. **Gegenbaurs Morphol Jahrb** 121(1):88–108, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

Transneuronal or retrograde transport of (3H)adenosine in the rat somatic sensory system. Wise SP, et al. **Brain Res** 107(1):127–31, 30 Apr 76

PATHOLOGY

Absence of barrels and disorganization of thalamic afferent distribution in the sensory cortex of reeler mice. Cragg BG. **Exp Neurol** 49(3):858–62, Dec 75

PHYSIOLOGY

Differentiation of instrumental reflexes to tactile stimuli following dissection of the corpus callosum and a unilateral somatosensory cortex lesion. Dobrzecka C. **Act Nerv Super (Praha)** 18(1–2):123–5, Jun 76

The neural mechanisms of a behavioural act. Shvyrkov VB. **Act Nerv Super (Praha)** 18(1–2):46–8, Jun 76

Human evoked responses to potentially noxious tactile stimulation, i. Stowell H. **Act Nerv Super (Praha)** 17(1):1–7, Mar 75

Central nervous structures participanting in the simple recognition of touch. Norrsell U. **Acta Neurobiol Exp (Warsz)** 35(5–6):707–14, 1975 (25 ref.)

Slow-wave neuronal activity induced by interoceptive stimuli. Sokolov V. **Agressologie** 15(7):401–6, 1974

Proceedings: Role of the long ascending pathways in the averaged cerebral somatosensory evoked potentials in the unrestrained dutch rabbit. Manil J, et al. **Arch Int Physiol Biochim** 83(2):335–6, May 75

Operant conditional potentials centrally evoked at random intervals. Rosenfeld JP, et al. **Behav Biol** 16(3):305–17, Mar 76

Sensory system neural activity during habituation of the pupillary orienting reflex. Weinberger NM, et al. **Behav Biol** 15(3):283–301, Nov 75

Notes on the hypothesis of columnar organization in somatosensory cerebral cortex. Towe AL. **Brain Behav Evol** 11(1):16–47, 1975

Memory and perceptual deficits during electrical stimulation in the left and right thalamus and parietal subcortex. Fedio P, et al. **Brain Lang** 2(1):78–100, Jan 75

Does the spinocervical pathway exist? Andersson SA, et al. **Brain Res** 98(2):359–63, 14 Nov 75

Spindle wave synchrony in the somatosensory cortex of the cat. Ganes T. **Brain Res** 101(1):11–22, 9 Jan 76

Catecholamines released from cerebral cortex in the cat; decrease during sensory stimulation. Reader TA, et al. **Brain Res** 111(1):95–108, 23 Jul 76

Impaired tactile learning and retention after removals of the second somatic sensory projection cortex (SII) in the monkey. Ridley RM, et al. **Brain Res** 109(3):656–60, 18 Jun 76

Descending influences of periaqueductal gray matter and somatosensory cerebral cortex on neurones in trigeminal brain stem nuclei. Sessle BJ, et al. **Can J Physiol Pharmacol** 54(1):66–9, Feb 76

Somatosensory evoked cortical responses: detection in normal infants. Cullity P, et al. **Dev Med Child Neurol** 18(1):11–8, Feb 76

Maturation of the somatosensory evoked potentials in normal infants and children, with special reference to the early N1 component. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 40(1):43–58, Jan 76

Thalamic evoked potentials to somatosensory stimulation in man. Fukushima T, et al. **Electroencephalogr Clin Neurophysiol** 40(5):481–90, May 76

Driving of slow oscillations in the human somatosensory, system. Rush JL, et al. **Electroencephalogr Clin Neurophysiol** 41(2):168–78, Aug 76

Differential effect of task relevance on early and late components of cortical and subcortical somatic evoked potentials in man. Velasco M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):353–64, Oct 75

Effects of serial lesions of somatosensory cortex and further neodecortication on retention of a rough-smooth discrimination in rats. Finger S, et al. **Exp Brain Res** 25(2):183–97, 28 May 76

Effects of serial lesions of somatosensory cortex and further neodecortication on tactile retention in rats. Simons D, et al. **Exp Brain Res** 23(4):353–65, 24 Oct 75

Facilitatory and inhibitory modulation of wide-field neuron activity in postcruciate cerebral cortex of the domestic cat. Towe AL, et al. **Exp Neurol** 50(3):734–56, Mar 76

Neuron population analysis with the NVAR system. pp. 337–69. Harding GW, et al. **In: Brown PB, ed. Computer technology in neuroscience. Washington, Hemisphere, 1976. WL 26.5 C738 1975.**

Observations on unit activity in the primary somesthetic cortex of behaving monkeys. pp. 241–9. Hyvärinen J, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Cortical representation of evoked potentials relative to conscious sensory responses, and of somatosensory qualities--in man. pp. 291–308. Libet B, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Central nervous responses to cooling and warming of the rat scrotal skin. pp. A371–83. Hellon RF. **In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.**

Receptive fields of barrels in the somatosensory neocortex of the rat. Welker C. **J Comp Neurol** 166(2):173–89, 15 Mar 76

Acupuncture: its effect on somatosensory cerebral evoked potentials in man. Chen RC, et al. **J Formosan Med Assoc** 74(5):341–4, May 75

Modification of auditory and somatosensory system activity during pupillary conditioning in the paralyzed cat. Oleson TD, et al. **J Neurophysiol** 38(5):1114–39, Sep 75

Proceedings: Cortical and pyramidal influences on rat motoneurones. Angel A, et al. **J Physiol (Lond)** 259(1):14P–15P, Jul 76

Proceedings: Inhibition of transmission through the spinocervical tract from localized areas of the sensorimotor cortex. Brown AG, et al. **J Physiol (Lond)** 254(1):71P–72P, Jan 76

Proceedings: Dissimilar timing of corticofugal inhibition of the gracile and cuneate nuclei in cats anaesthetized with pentobarbitone. Cole JD, et al. **J Physiol (Lond)** 256(1):38P–39P, Mar 76

Unit activity in somatosensory area II (SII) and tooth pulp stimulation in a cat. Nishijima Y, et al. **Jpn J Physiol** 25(4):401–15, 1975

Lithium effects on the somatosensory cortical evoked response in the rat and cat. Heninger GR, et al. **Life Sci** 19(1):19–27, 1 Jul 76

Long-term deficits after somatosensory cortical lesions in rats. Finger S, et al. **Physiol Behav** 15(3):289–93, Sep 75

Somatosensory evoked responses and slow potential oscillations in human scalp recordings. Kusske JA, et al. **Physiol Behav** 15(2):241–4, Aug 75

Acoustic and somatosensory evoked responses in the brain hemispheres of chick embryos. Sedláček J. **Physiol Bohemoslov** 25(2):103–8, 1976

Auditory analgesia: somatosensory evoked response and subjective pain rating. Lavine R, et al. **Psychophysiology** 13(2):140–8, Mar 76

Electrophysiologic monitoring of spinal cord function during intraspinal surgery. McCallum JE, et al. **Surg Forum** 26:469–71, 1975

[Effect of anoxia on the evoked somesthesic response during rabbit maturation] Desroches AM, et al. **C R Soc Biol (Paris)** 169(3):521–8, 1975 (Eng. Abstr.) **(Fre)**

[Maturation of somesthetic evoked potentials in man] Laget P, et al. **Electroencephalogr Clin Neurophysiol** 40(5):499–515, May 76 (Eng. Abstr.) **(Fre)**

[Convergence of 3 thalamo-cortical rhythmic systems on the somesthetic area in the normal cat and baboon] Bouyer JJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):397–406, Jul–Sep 74 (Eng. Abstr.) **(Fre)**

[Long-lasting changes of irritability in the somatosensory cortex of rabbits following tetanic stimulation of the tooth pulp] Krug M, et al. **Acta Biol Med Ger** 34(1):135–41, 1975 (Eng. Abstr.) **(Ger)**

[Influence of various tasks on activation and self-evaluation in a test with equal psychomotor performance] Roth N, et al. **Acta Biol Med Ger** 34(7):1211–5, 1975 (Eng. Abstr.) **(Ger)**

[Modulation of the photically evoked potentials in the motor cortex of cats by influences of the somatosensory system and the reticular formation] Roth N, et al. **Acta Biol Med Ger** 34(9):1509–15, 1975 **(Ger)**

[System for simulating the mechanism of sensorimotor control (compensatory tracking)] Schreinicke G, et al. **Z Gesamte Hyg** 21(5):365–8, May 75 (Eng. Abstr.) **(Ger)**

[Correlations between functional properties of the cortico-pyramidal neurons of the sensory-motor area in chronic cats] Abbruzzese G, et al. **Boll Soc Ital Biol Sper** 51(19):1285–9, 15 Oct 75 **(Ita)**

[Study of some functional relationships between the primary and secondary somesthetic cortical area] Caminiti R, et al. **Boll Soc Ital Biol Sper** 51(18):1196–202, 30 Sep 75 **(Ita)**

[Electrophysiological analysis of the effect of atropine on the self-stimulation reaction in cats] Baklavadzhian O, et al. **Acta Physiol Acad Sci Hung** 44(3–4):217–26, 1973 **(Rus)**

[Change in cortical responses to repeated stimulation of the cat splanchnic nerve] Mokrushin AA. **Dokl Akad Nauk SSSR** 227(1):252–5, Mar–Apr 76 **(Rus)**

[Role of the frontal cortex in establishing distant synchronization of biopotentials in different cortical zones in dogs] Uryvaev IuV, et al. **Dokl Akad Nauk SSSR** 226(2):485–8, 11 Jan 76 **(Rus)**

[Effect of analgestics and narcotics on the potentials of the posterior roots evoked by stimulation of the sensorimotor cortex] Ignatov IuD. **Farmakol Toksikol** 38(6):680–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Impulse activity of neurons in the rabbit sensory-motor cortex during recruitment] Burikov AA, et al. **Fiziol Zh SSSR** 61(4):473–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Consequences of partial deafferentation of the hindlimb in cats] Drozdova VN, et al. **Fiziol Zh SSSR** 62(1):80–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Evoked potentials of the somatosensory and auditory zones of the cortex of awake cats subjected to double tone signals] Kamenskaia VG. **Fiziol Zh SSSR** 62(5):783–6, May 76 **(Rus)**

[Organization of the responses of sensomotor cortex neurons upon stimulation of a symmetrical point in the other hemisphere] Kogan AB, et al. **Fiziol Zh SSSR** 62(1):56–60, Jan 76 **(Rus)**

[Specific features of cerebral cortical neurons reacting to thermal stimulation of the skin] Kozyreva TV, et al. **Fiziol Zh SSSR** 61(11):1612–8, Nov 75 **(Rus)**

[Interaction of the visceral and musculocutaneous afferent systems in the secondary somatosensory zone of the cat cerebral cortex] Musiashchikova SS, et al. **Fiziol Zh SSSR** 61(8):1113–20, Aug 75 (Eng. Abstr.) **(Rus)**

[Changes in the activity of the cat sensomotor cortex under heterosensory stimulation] Pirogov AA, et al. **Fiziol Zh SSSR** 62(1):3–9, Jan 76 (Eng. Abstr.) **(Rus)**

[Electrophysiologic effects of stimulating the vestibular nuclei on the sensomotor cortex of cats] Vereshchagina EM, et al. **Fiziol Zh SSSR** 61(8):1146–52, Aug 75 (Eng. Abstr.) **(Rus)**

[The relationship between achievement of a simple movement and changes in the individual components of an evoked potential] Zalkind MS, et al. **Fiziol Zh SSSR** 61(4):518–29, Apr 75 (Eng. Abstr.) **(Rus)**

[Change in human EEG during rotation] Ivanova MP, et al. **Kosm Biol Aviakosm Med** 9(5):86–7, Sep–Oct 75 **(Rus)**

[Reflection of temporal parameters of an optic stimulus in neuronal responses of the senso-motor and visual cortex in cats] Batuev AS, et al. **Neirofiziologiia** 7(4):265–71, 1975 (Eng. Abstr.) **(Rus)**

[Functional organization of pathways transmitting auditory signals in the somatosensory zone of the cat cerebral cortex] Borgest AN, et al. **Neirofiziologiia** 7(5):476–85, 1975 (Eng. Abstr.) **(Rus)**

[Responses of neurons in the SI zone during a defensive conditioned reflex to sound] Busel' BI. **Neirofiziologiia** 7(2):126–33, 1975 **(Rus)**

[Reactions of neurons in the primary and secondary somatosensory zones of the cortex to stimulation of the ventral posterior nucleus of the thalamus] Garkavenko VV. **Neirofiziologiia** 8(2):115–21, 1976 (Eng. Abstr.) **(Rus)**

[Responses of neurons of the first and second somatosensory zones of the cortex to peripheral, thalamic and cortical stimulation] Garkavenko VV. **Neirofiziologiia** 8(4):351–7, 1976 (Eng. Abstr.) **(Rus)**

[Reactions of individual neurons of the somatosensory zone of the cortex following elaboration of delayed evoked potentials in immobilized cats] Korsakov IA. **Neirofiziologiia** 8(2):199–201, 1976 (Eng. Abstr.) **(Rus)**

[Changes in the synaptic vesicles of cat motor cortex axon terminals upon stimulation] Maloshevskii SG, et al. **Neirofiziologiia** 7(6):639–46, 1975 (Eng. Abstr.) **(Rus)**

[Transformation of the impulse activity of cat brain senso-motor cortex neurons during rhythmic stimulation] Pirogov AA. **Neirofiziologiia** 7(4):437–40, 1975 **(Rus)**

[The relationship between strength and the amplitude of evoked response components in the human somatosensory cortex] Zalkind MS, et al. **Neirofiziologiia** 7(1):93–6, 1975 **(Rus)**

[Somatosensory pathways transmitting nociceptive information] Somlin LN. **Usp Sovrem Biol** 80(2):214–30, Sep–Oct 75 (93 ref.) **(Rus)**

[Relationship between posterior-thalamic group of nuclei, ventro-basal complex and somatosensory regions of the cerebral cortex] Khorenian DV. **Zh Eksp Klin Med** 15(6):34–8, 1975 **(Rus)**

[The dynamics of morphologic changes in the sensomotor cortex of rats with acute hypoxia and its sequelae] Matveeva TS. **Zh Nevropatol Psikhiatr** 76(4):530–8, Apr 76 (Eng. Abstr.) **(Rus)**

[Spatial synchronization of rabbit brain biopotentials upon repeated electrical stimulation of the cortex] Balashova AN. **Zh Vyssh Nerv Deiat** 25(3):582–8, May–June 75 (Eng. Abstr.) **(Rus)**

[Several properties of the recruiting response] Burikov AA, et al. **Zh Vyssh Nerv Deiat** 25(6):1318–9, Nov–Dec 75 **(Rus)**

[Dynamics of excitability of the thalamo-cortical non-specific system in the recruitment cycle] Burikov AA. **Zh Vyssh Nerv Deiat** 25(4):870–2, Jul–Aug 75 **(Rus)**

[Dynamics of evoked potentials in cortical projection structures during a retarded instrumental defense reflex in dogs] Dolbakian EE. **Zh Vyssh Nerv Deiat** 26(2):288–97, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The neuronal organization of a focus of conditioned excitation in the cat sensory-motor cortex] Kogan AB, et al. **Zh Vyssh Nerv Deiat** 26(1):59–64, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Evoked potentials in the sensomotor region of the cortex during classical and instrumental conditioned reflexes in cats] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 25(6):1306–8, Nov–Dec 75 **(Rus)**

[Participation of the neocortical and reticulo-hypothalamic apparatuses in the regulation of recurrent inhibition in the thalamic relay nucleus] Mogilevskii AIa, et al. **Zh Vyssh Nerv Deiat** 25(3):595–602, May–June 75 (Eng. Abstr.) **(Rus)**

[Comparative assessment of the role of the primary and secondary somatosensory regions of the cerebral cortex during conditioned reflex behavior in animals] Papoian AS, et al. **Zh Vyssh Nerv Deiat** 26(3):530–8, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the cortical point of the motor projection of the limb performing a food-getting movement] Sakhiulina GT, et al. **Zh Vyssh Nerv Deiat** 26(2):414–7, Mar–Apr 76 **(Rus)**

[The effect of electrostimulation of the caudate nucleus and somatosensory cortex on defensive instrumental reactions in dogs] Shapovalova KB, et al. **Zh Vyssh Nerv Deiat** 25(4):716–26, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Spatial perception of stimuli during unilateral exclusion of the temporal portion of the neocortex by cold] Shcherbakov VI, et al. **Zh Vyssh Nerv Deiat** 25(1):144–8, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[The effect of motor training on evoked sensorimotor cortex potentials in rats during ontogenesis] Shimko IA. **Zh Vyssh Nerv Deiat** 25(1):157–63, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[The mechanism of action of a reinforcing stimulus] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 25(5):1011–21, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The mechanism of postinhibitory excitation in reactions of cerebral cortex neurons to direct stimulation] Shuranova ZhP, et al. **Zh Vyssh Nerv Deiat** 25(4):867–9, Jul–Aug 75 **(Rus)**

[The effect of stimulation of the deep layers of somatosensory zones CI and CII on the activity of motor zone MI of the cat cortex] Vataev SI, et al. **Zh Vyssh Nerv Deiat** 25(4):837–43, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Post-tetanic strengthening of evoked electrical responses of the sensomotor cortex] Veber NV. **Zh Vyssh Nerv Deiat** 26(2):381–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

EEG development in normal and undernourished rats. Gramsbergen A. **Brain Res** 105(2):287–308, 26 Mar 76

Somatosensory evoked cortical responses in children with spina bifida. Duckworth T, et al. **Dev Med Child Neurol** 18(1):19–24, Feb 76

Proceedings: Possibilities of the diagnostic use of somatosensory evoked potentials. Foit A, et al. **Electroencephalogr Clin Neurophysiol** 39(5):547, Nov 75

Clinical application of somatosensory cerebral evoked response for the localization and the level diagnosis of neuronal lesions. Terao A, et al. **Folia Psychiatr Neurol Jpn** 29(4):341–54, 1975

Sensory Jacksonian seizures. Lende RA, et al. **J Neurosurg** 44(6):706–11, Jun 76

Proceedings: The effect of lesions in the internal capsule and the sensorimotor cortex on servo action in the human thumb. Adam J, et al. **J Physiol (Lond)** 254(1):27P–28P, Jan 76

Recovery functions of somatosensory evoked responses in slow learners. Wasman M, et al. **Psychophysiology** 12(4):371–6, Jul 75

Average evoked response augmenting/reducing in schizophrenia and affective disorders. Buchsbaum M. **Res Publ Assoc Res Nerv Ment Dis** 54:129–42, 1975 (73 ref.)

EEG and evoked potentials in the psychoses. Shagass C. **Res Publ Assoc Res Nerv Ment Dis** 54:101–27, 1975 (114 ref.)

Pure motor hemiplegia. Chokroverty S, et al. **Trans Am Neurol Assoc** 100:174–6, 1975

[Cerebral evoked potentials in infantile hemiplegia] Noël P, et al. **Rev Electroencephalogr Neurophysiol Clin** 2(2):189–94, Apr–Jun 72 **(Fre)**

[Sensory cortical evoked responses in acute traumatic medullary lesions] Bricolo A, et al. **Riv Neurol** 45(2):226–36, Apr–Jun 75 **(Ita)**

ULTRASTRUCTURE

Ultrastructure and synaptic contacts in barrels of mouse SI cortex. White EL. **Brain Res** 105(2):229–51, 26 Mar 76

SOMATOSTATIN see **SOMATOTROPIN RELEASE INHIBITING HORMONE**

SOMATOTROPIN

Etiological factors in osteochondritis dissecans. An experimental study into the etiological factors in osteochondritis dissecans in the canine humeral head using overloading with and without somatotropin and thyrotropin hormone treatment and mechanical trauma. Paatsama S, et al. **Acta Orthop Scand** 46(6):906–18, Dec 75

Human pituitary somatotropin: 46. Preparation of tritium labelled hormone. Kawauchi H, et al. **Biochim Biophys Acta** 420(1):214–7, 20 Jan 76

Prolactin and growth hormone cells in the human hypophysis: a study with immunoenzyme histochemistry and differential staining. Halmi NS, et al. **Cell Tissue Res** 158(4):497–507, 20 May 75

Quenching of tryptophanyl fluorescence of human growth hormone by iodide. Maddaiah VT, et al. **Chem Biol Interact** 12(3–4):221–7, Mar 76

Actions of insulin-potentiating peptides on glycogen synthesis. Ng FM, et al. **Diabetes** 25(5):413–9, May 76

Purification and properties of reptilian and amphibian growth hormones. Farmer SW, et al. **Endocrinology** 99(3):692–700, Sep 76

Action of thrombin on ovine, bovine and human pituitary growth hormones. Gráf L, et al. **Eur J Biochem** 64(2):333–40, 1 May 76

Reactivity and biological importance of the disulfide bonds in human growth hormone. Gráf L, et al. **FEBS Lett** 66(2):233–7, 15 Jul 76

Solubilization and partial purification of a growth hormone receptor from rabbit liver. McIntosh C, et al. **FEBS Lett** 66(1):149–54, 1 Jul 76

Prolactin, growth hormone and human placental lactogen. pp. 199–231. Frantz AG. **In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976.** (165 ref.)

Selective reduction and alkylation of the COOH-terminal disulfide bridge in bovine growth hormone. Gráf L, et al. **Int J Pept Protein Res** 7(6):467–73, 1975

Big growth hormone (GH): conversion to small GH without peptide bond cleavage. Benveniste R, et al. **J Clin Endocrinol Metab** 41(2):422–5, Aug 75

Pituitary growth hormones: further evidence for evolutionary conservatism based on immunochemical studies. Hayashida T, et al. **Proc Natl Acad Sci USA** 72(11):4322–6, Nov 75

[Current data on growth hormone] Segrestaa JM, et al.

Pathol Biol (Paris) 23(5):395–408, May 75 (121 ref.) (Eng. Abstr.) **(Fre)**

[Level of somatotropic hormones in the newborn, the parturient and the amniotic fluid] Balabolkin MI, et al. **Pediatr Akush Ginekol** (6):37–9, Nov–Dec 75 **(Ukr)**

ADMINISTRATION & DOSAGE

Conditions influencing the dose–response effect of growth hormone on longitudinal bone growth in the hypophysectomized rat. Thorngren KG, et al. **Acta Endocrinol (Kbh)** 80(2):284–96, Oct 75

Dose dependence of growth response to human growth hormone in growth hormone deficiency. Preece MA, et al. **J Clin Endocrinol Metab** 42(3):477–83, Mar 76

ADVERSE EFFECTS

Necrosis of the femoral capital epiphysis occuring during human growth hormone therapy. Bjkerkreim I, et al. **Acta Orthop Scand** 47(2):189–92, Apr 76

[Somatostatin and somatomedins—new hormones with connection to diabetes research and future diabetes therapy] Efendić S, et al. **Lakartidningen** 13(13):1198–202, 24 Mar 76 (Eng. Abstr.) **(Swe)**

ANALOGS & DERIVATIVES

The synthesis and biological activity of (165, 182, 189–S–carbamidomethylcysteine)–human growth hormone–(140–191). Blake J, et al. **Int J Pept Protein Res** 7(6):495–501, 1975

ANALYSIS

Inconsistency of the tibia test for estimating growth hormone in crude pituitary extracts. Somana R, et al. **Acta Endocrinol (Kbh)** 1(4):685–96, Apr 76

Use of immunohistochemical and morphologic methods for the identification of human growth hormone–producing pituitary adenomas. Nieuwenhuyzen Kruseman AC, et al. **Cancer** 38(3):1163–70, Sep 76

Growth hormone and prolactin content of hyperplastic anterior pituitary of dehydroepiandrosterone treated rats. Halmy L, et al. **Endokrinologie** 66(3):241–9, Dec 75

Pituitary and serum growth hormone levels in Duroc and Yorkshire swine genetically selected for high and low backfat. Althen TG, et al. **J Anim Sci** 42(6):1490–7, Jun 76

Amniotic fluid reactivity detected by somatomedin C radioreceptor assay: correlation with growth hormone, prolactin and fetal renal maturation. Chochinov RH, et al. **J Clin Endocrinol Metab** 42(5):983–6, May 76

Radioreceptor–inactive growth hormone associated with stimulated secretion in normal subjects. Sneid DS, et al. **J Clin Endocrinol Metab** 41(3):471–4, Sep 75

Proceedings: Serum growth hormone levels in growing lambs at two daylengths and two levels of feeding. Driver PM, et al. **J Endocrinol** 69(3):44P–45P, Jun 76

Simultaneous visualization by light microscopy of two pituitary hormones in a single tissue section using a combination of indirect immunohistochemical methods. Campbell GT, et al. **J Histochem Cytochem** 24(2):448–52, Feb 76

A modification of the unlabeled antibody enzyme method using heterologous antisera for the light microscopic and ultrastructural localization of insulin, glucagon and growth hormone. Erlandsen SL, et al. **J Histochem Cytochem** 23(9):666–77, Sep 75

The immunohistochemical identification of hormone–producing cells in formalin–fixed, paraffin–embedded human pituitary tissue. Kruseman AC, et al. **J Pathol** 117(3):163–8, Nov 75

Growth hormone excess and sexual precocity in polyostotic fibrous dysplasia (McCune–Albright syndrome): evidence for abnormal hypothalamic function. Lightner ES, et al. **J Pediatr** 87(6 Pt 1):922–7, Dec 75

Human pituitary growth hormone: a biologically active hendekakaihekaton peptide fragment corresponding to amino–acid residues 15–125 in the hormone molecule. Li CH. **Proc Natl Acad Sci USA** 72(10):3878–82, Oct 75

Pituitary growth hormone and somatotrophs in rats bearing chemically induced hepatomas. Ingleton PM, et al. **Virchows Archiv [Cell Pathol]** 20(3):253–60, 29 Apr 76

[Technics of growth hormone receptor assay] Tsushima T. **Jpn J Clin Med** 34(3):461–5, 1976 **(Jpn)**

[Influence of nutrition on hormone secretion. II. Study in Ribeirão, Pernambuco, Brazil (author's transl) Chaves N, et al. **Rev Bras Pesqui Med Biol** 8(5–6):353–62, Sep–Dec 75 (Eng. Abstr.) **(Por)**

ANTAGONISTS & INHIBITORS

Letter: Dopamine–induced inhibition of prolactin and growth hormone secretion in acromegaly. Massara F, et al. **Lancet** 1(7957):485, 28 Feb 76

[Inhibition of GH secretion by nonesterified fatty acids when stimulated by glucagon] Cabezas–Cerrato J, et al. **Rev Clin Esp** 138(2):107–11, 31 Jul 75 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

The nature of pituitary large growth hormone as studied by immunoabsorption. Livesey JH, et al. **Ciba Found Symp** 41:77–95, 1976

A possible role of cyclic AMP in mediating the effects of thyrotropin–releasing hormone on prolactin release and on prolactin and growth hormone synthesis in pituitary cells in culture. Dannies PS, et al. **Endocrinology** 98(5):1147–59, May 76

Effects of prostaglandins on prolactin and growth hormone synthesis and secretion in cultured rat pituitary cells. Gautvik KM, et al. **Endocrinology** 98(2):352–8, Feb 76

Immunohistochemical localization and identification of the prolactin and growth hormone producing cells in the pituitary gland of the toad Bufo bufo bufo (L). Hansen BL, et al. **Gen Comp Endocrinol** 28(1):52–8, Jan 76

Measurement of human growth hormone production rate. Recommendations for a standardized protocol. DeCabrejas ML, et al. **Int J Nucl Med Biol** 3(2):98–100, Apr 76

Heterogeneity of human growth hormone and prolactin secreted in vitro: Immunoassay and radioreceptor assay correlations. Guyda JH. **J Clin Endocrinol Metab** 41(5):953–67, Nov 75

Pregrowth hormone: product of the translation in vitro of messenger RNA coding for growth hormone. Sussman PM, et al. **Proc Natl Acad Sci USA** 73(1):29–33, Jan 76

Prolactin and growth hormone synthesis: effects of perphenazine, alpha–methyltyrosine and estrogen in different thyroid states. Augustine EC, et al. **Proc Soc Exp Biol Med** 150(3):551–6, Dec 75

[Hypothalamic mechanism in the pathogenesis of acromegaly] Giordano G, et al. **Folia Endocrinol (Roma)** 27(1):1–20, Feb 74 (79 ref.) **(Ita)**

BLOOD

Glucagon, insulin and growth hormone response in obese women. Fallucca F, et al. **Acta Diabetol Lat** 12(3–4):239–43, May–Aug 75

Behavior of pancreatic glucagon, insulin, and HGH in liver cirrhosis, after arginine and I.V. glucose. Greco AV, et al. **Acta Diabetol Lat** 11(4):330–9, Jul–Aug 74

Changes in plasma glucose, free fatty acids (FFA), cortisol, immunoreactive human growth hormone (IRHGH) and immunoreactive insulin (IRI) after tolbutamide–induced hypoglycemia in obese subjects. Laurian L, et al. **Acta Diabetol Lat** 11(6):446–56, Nov–Dec 74

The effect of somatostatin on plasma insulin and growth hormone levels in basal conditions and after glucagon in normal and acromegalic subjects. Massara F, et al. **Acta Diabetol Lat** 12(3–4):219–31, May–Aug 75

Effect of pituitary ultrasonic treatment on plasma human growth hormone levels in diabetic retinopathy and acromegaly. Muggeo M, et al. **Acta Diabetol Lat** 12(2):137–49, Mar–Apr 75

Plasma insulin and growth hormone concentrations in pregnant sheep II: post–absorptive levels in mid– and late pregnancy. Blom AK, et al. **Acta Endocrinol (Kbh)** 82(3):553–60, Jul 76

Growth hormone, insulin and sugar in the blood plasma of bulls. Interrelated diurnal variations. Blom AK, et al. **Acta Endocrinol (Kbh)** 82(4):758–66, Aug 76

Serum growth hormone response to bromocriptine during a glucose tolerance test in acromegaly. Cassar J, et al. **Acta Endocrinol (Kbh)** 82(1):39–46, May 76

Growth hormone and somatomedin behaviour in the newborn. Giodano G, et al. **Acta Endocrinol (Kbh)** 81(3):449–54, Mar 76

Growth hormone related to insulin and sugar in nocturnal blood plasma of lactating cows. Halse K, et al. **Acta Endocrinol (Kbh)** 82(4):767–73, Aug 76

Plasma insulin and growth hormone concentrations in pregnant sheep I: diurnal variations in mid– and late pregnancy. Hove K, et al. **Acta Endocrinol (Kbh)** 82(3):544–52, Jul 76

Influence of suckling and of suckling followed by TRH or LH–RH on plasma prolactin, TSH, GH and FSH. Jeppsson S, et al. **Acta Endocrinol (Kbh)** 82(2):246–53, Jun 76

Different effects of exogenous cyclic adenosine monophosphate and its dibutryl derivative on plasma growth hormone, glucose, insulin and cortisol. Vanderschueren–Lodeweyckx M, et al. **Acta Endocrinol (Kbh)** 83(1):15–25, Sep 76

GH, ACTH, LH and FSH behaviour in the first seven days of life. Cacciari E, et al. **Acta Paediatr Scand** 65(3):337–41, May 76

Muscular exertion: a test of pituitary function in children. Garlaschi C, et al. **Acta Paediatr Scand** 64(5):752–4, Sep 75

Growth hormone and somatomedin A in girls with adolescent idiopathic scoliosis. Willner S, et al. **Acta Paediatr Scand** 65(5):547–52, Sep 76

Growth hormone and cortisol secretion after oral and intravenous administration of methyldopa. Syvälahti E, et al. **Acta Pharmacol Toxicol (Kbh)** 37(3):257–64, Sep 75

The levels of serum growth hormone and immunoreactive insulin after administration of antipyretic analgetics. Syvälahti E. **Acta Pharmacol Toxicol (Kbh)** 37(4):336–44, Oct 75

Effect of psychic stress of examination on serum growth hormone, serum insulin, and plasma renin activity. Syvälahti E, et al. **Acta Pharmacol Toxicol (Kbh)** 38(4):344–52, Apr 76

Serum growth hormone, serum immunoreactive insulin and blood glucose response to intravenous tolbutamide in postmenopausal women with and without natural oestrogen therapy. Syvälahti E, et al. **Acta Pharmacol Toxicol (Kbh)** 38(3):177–85, Mar 76

Pulsatile secretion of ACTH, GH, LH and TSH in man. Leppäluoto J, et al. **Acta Physiol Scand** 95(4):470–6, Dec 75

Postprandial glucose, insulin, free fatty acid and growth hormone responses in children consuming all the day's protein in one meal. MacLean WC Jr, et al. **Am J Clin Nutr** 29(9):984–8, Sep 76

Intravenous metyrapone testing. Evaluation of growth hormone and adrenocorticotrophic hormone in children. Bacon GE, et al. **Am J Dis Child** 129(9):1042–4, Sep 75

Endocrine–metabolic response to acute starvation in human gestation. Tyson JE, et al. **Am J Obstet Gynecol** 125(8):1073–84, 15 Aug 76

Metabolic effects of calcitonin in the newborn. Garel JM, et al. **Am J Physiol** 229(3):669–75, Sep 75

Temporal changes in growth hormone, cortisol, and glucose: relation to light onset and behavior. Natelson BH, et al. **Am J Physiol** 229(2):409–15, Aug 75

Cortisol, growth hormone, free fatty acids, and experimentally evoked affective arousal. Brown WA, et al. **Am J Psychiatry** 132(11):1172–6, Nov 75

Growth hormone catecholamines in affective disease. Garver DL, et al. **Am J Psychiatry** 132(11):1149–54, Nov 75

Observations on the automated calculation of radioimmunoassay results. Challand GS, et al. **Ann Clin Biochem** 13(2):354–60, Mar 76

Effect of thermal stress and dehydration on plasma levels of glucose, free fatty acids and growth hormone in the pigeon. John TM, et al. **Arch Int Physiol Biochim** 83(2):303–8, May 75

The effect of ambient temperature on the growth hormone and prolactin response to exercise. Frewin DB, et al. **Aust J Exp Biol Med Sci** 54(1):97–101, Feb 76

Changes in glucose, insulin, and growth hormone levels associated with bedrest. Vernikos–Danellis J, et al. **Aviat Space Environ Med** 47(6):583–7, Jun 76

Growth hormone levels during morning and afternoon naps. Karacan I, et al. **Behav Neuropsychiatry** 6(1–12):67–70, Apr 74–Mar 75

Physiological role of somatostatin in the control of growth hormone and thyrotropin secretion. Ferland L, et al. **Biochem Biophys Res Commun** 68(1):149–56, 12 Jan 76

Serum hormone levels following partial hepatectomy in the rat. Morley CG, et al. **Biochem Biophys Res Commun** 67(2):653–61, 17 Nov 75

Glucose disappearance rate, insulin response and growth hormone response in the small for gestational age and premature infant of very low birth weight. Salle B, et al. **Biol Neonate** 29(1–2):1–17, 1976

Proceedings: The relationship between insulin and growth hormone before, during and after minor surgery. Russell RC, et al. **Br J Surg** 63(8):666–7, Aug 76

Effect of bromocriptine on plasma growth hormone and glucose tolerance in chronic renal failure. Kanis JA, et al. **Br Med J** 1(6014):879, 10 Apr 76

Letter: Effects of exertion on hormone secretion. Karonen SL, et al. **Br Med J** 4(5988):102–3, 11 Oct 75

Effects of methyldopa on prolactin and growth hormone. Steiner J, et al. **Br Med J** 1(6019):1186–8, 15 May 76

Letter: Effects of methyldopa on growth hormone. Syvälahti EK. **Br Med J** 2(6027):110, 10 Jul 76

Growth hormone and cortisol levels in the annual cycle of white–tailed deer (Odocoileus virginianus). Bubenik GA, et al. **Can J Physiol Pharmacol** 53(5):787–92, Oct 75

Stress response patterns of plasma corticosterone, prolactin, and growth hormone in the rat, following handling or exposure to novel environment. Seggie JA, et al. **Can J Physiol Pharmacol** 53(4):629–37, Aug 75

Some aspects of circadian variations of carbohydrate metabolism and related hormones in man. Sensi S. **Chronobiologia** 1(4):396–404, Oct–Dec 74 (48 ref.)

Automated approach to radioimmunoassays of somatotropin (human growth hormone) and insulin. Green G, et al. **Clin Chem** 22(9):1510–5, Sep 76

Prolactin, growth hormone and alpha–fetoprotein in children with cystic fibrosis. Biswas S, et al. **Clin Chim Acta** 69(3):541–2, 15 Jun 76

A comparison of the effect of levodopa and somatostatin on the plasma levels of growth hormone, insulin, glucagon and prolactin in acromegaly. Dunn PJ, et al. **Clin Endocrinol (Oxf)** 5(2):167–74, Mar 76

Prolactin concentrations in patients with acromegaly: clinical significance and response to surgery. Franks S, et al. **Clin Endocrinol (Oxf)** 5(1):63–9, Jan 76

Plasma growth hormone concentrations in Huntington's chorea. Phillipson OT, et al. **Clin Sci Mol Med** 50(6):551–4, Jun 76

Growth hormone secretion in acid–base alterations at rest and during exercise. Sutton JR, et al. **Clin Sci Mol Med** 50(4):241–7, Apr 76

Effect of glucose on the growth hormone response to L–dopa in normal and diabetic subjects. Ajlouni K, et al. **Diabetes** 24(7):633–6, Jul 75

Effect of somatostatin on blood sugar, plasma growth hormone, and glucagon levels in diabetic children. Del Guercio MJ, et al. **Diabetes** 25(7):550–3, Jul 76

Human maternal and fetal serum insulin and growth hormone (HGH) response to glucose and leucine. Grasso S, et al. **Diabetes** 25(7):545–9, Jul 76

Twenty–four–hour serum growth hormone levels in maturity–onset diabetics. Kjeldsen H, et al. **Diabetes** 24(11):977–82, Nov 75

Growth hormone levels in diabetes. Correlation with the clinical control of the disease. Vigneri R, et al.

Diabetes 25(3):167–72, Mar 76

Insulin and growth-hormone responses in neonatal hyperglycemia. Zarif M, et al. **Diabetes** 25(5):428–33, May 76

Effect of vasotocin on plasma GH, free fatty acids and glucose in coho salmon (Oncorhynchus kisutch). McKeown BA, et al. **Endocrinol Exp (Bratisl)** 10(1):45–51, Mar 76

Increase of serum GH concentration following TRH injection in patients with primary hypothyroidism. Hamada N, et al. **Endocrinol Jpn** 23(1):5–10, Feb 76

The diurnal rhythm of plasma aldosterone, plasma renin activity, plasma cortisol and serum growth hormone and subnormal responsiveness of aldosterone to angiotensin-II in the patients with normotensive acromegaly. Ichikawa S, et al. **Endocrinol Jpn** 23(1):75–82, Feb 76

Suppression of serum growth hormone levels by glucagon in patients with active acromegaly. Takahara J, et al. **Endocrinol Jpn** 22(6):581–4, Dec 75

Blockade of the stress-induced decrease in blood GH by anti-somatostatin serum in rats. Arimura A, et al. **Endocrinology** 98(2):540–3, Feb 76

Stimulating and inhibiting effects of thyrotropin-releasing hormone on growth hormone release in rats. Chihara K, et al. **Endocrinology** 98(4):1047–53, Apr 76

Serum growth hormone and prolactin during and after the development of the obese-hyperglycemic syndrome in mice. Larson BA, et al. **Endocrinology** 98(1):139–45, Jan 76

Cortisol and GH responses to D- and L-amphetamine in monkeys. Marantz R, et al. **Endocrinology** 99(2):459–65, Aug 76

Growth hormone during catch-up growth and failure of catch-up growth in rats. Mosier HD Jr, et al. **Endocrinology** 98(1):214–9, Jan 76

Sex differences in the effects of surgical isolation of the medial basal hypothalamus on linear growth and plasma growth hormone levels in the rat. Rice RW, et al. **Endocrinology** 98(4):982–90, Apr 76

Prolactin and growth hormone levels in different inbred strains of mice: patterns in association with estrous cycle, time of day, and perphenazine stimulation. Sinha YN, et al. **Endocrinology** 97(5):1112–22, Nov 75

Control of prolactin and growth hormone secretion in mice by obesity. Sinha YN, et al. **Endocrinology** 99(3):881–6, Sep 76

Ultradian growth hormone rhythm in the rat: effects of feeding, hyperglycemia, and insulin-induced hypoglycemia. Tannenbaum GS, et al. **Endocrinology** 99(3):720–7, Sep 76

Study of growth hormone secretion in lung carcinoma. Claeys-De Clercq P, et al. **Eur J Cancer** 11(8):565–9, Aug 75

Mean 24-hour growth hormone and testosterone concentrations in relation to pubertal growth spurt in boys with normal or delayed puberty. Butenandt O, et al. **Eur J Pediatr** 122(2):85–92, 4 May 76

Repeated circadian growth hormone, luteinizing hormone, and follicle-stimulating hormone in children: influence of 9-alpha-fluorohydrocortisone. Schönberg D, et al. **Eur J Pediatr** 122(1):75–84, 6 Apr 76

Effects of physical exercise on plasma growth hormone and cortisol levels in human subjects. Shephard RJ, et al. **Exerc Sport Sci Rev** 3:1–30, 1975 (136 ref.)

Alpha adrenergic control of growth hormone in adult male rats. Ruch W, et al. **Experientia** 32(4):529–31, 15 Apr 76

Enhanced growth hormone responses to TRH injection in bipolar depressed patients. Takahashi S, et al. **Folia Psychiatr Neurol Jpn** 29(3):215–20, 1975

The effect of alpha1-24-corticotropin on growth hormone release in prepubertal children. Caccamo A, et al. **Helv Paediatr Acta** 30(3):241–5, Oct 75

Elevated serum growth hormone in protein-deprived rats, and decreased liver RNA after hypophysectomy. Christensson PI, et al. **Hoppe Seylers Z Physiol Chem** 356(5):591–7, May 75

Immunological identity of human and porcine growth hormones. Application to determination of growth hormone in porcine serum. Etzrodt H, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1839–41, Dec 75

Alcohol hypoglycemia: hormonal changes. Andreani D, et al. **Horm Metab Res** Suppl 6:99–105, 1976

Long-term treatment of acromegaly with bromocryptine: postprandial HGH levels and response to TRH and glucose administration. Benker G, et al. **Horm Metab Res** 8(4):291–5, Jul 76

Effects of 2-bromo-alpha-ergocryptine and pimozide on growth hormone secretion in man. Dammacco F, et al. **Horm Metab Res** 8(3):247–8, May 76

Role of growth hormone in lipid mobilization stimulated by prolonged muscular exercise in the rat. Federspil G, et al. **Horm Metab Res** 7(6):484–8, Nov 75

The role of cortisol and growth hormone in the counter-regulation of insulin-induced hypoglycemia. Feldman JM, et al. **Horm Metab Res** 7(5):378–81, Sep 75

The influence of plasma triglycerides on human growth hormone response to arginine and insulin: a study in hyperlipemics and normal subjects. Muggeo M, et al. **Horm Metab Res** 7(5):367–74, Sep 75

Effect of aminophylline on growth hormone and insulin responses to arginine in normal subjects. Peracchi M, et al. **Horm Metab Res** 7(5):437–8, Sep 75

Effect of metergoline, a specific serotonin antagonist, on human growth hormone response to arginine and L-dopa. Pontiroli AE, et al. **Horm Metab Res** 8(2):106–8, Mar 76

Influences of stress, age and sex on serum growth hormone and free fatty acid levels in cattle. Reynaert R, et al. **Horm Metab Res** 8(2):109–14, Mar 76

Growth hormone and insulin secretion in oophorectomized women. Syvälahti E, et al. **Horm Metab Res** 7(5):438–9, Sep 75

The influence of thyroid function on the diabetogenic action of triamcinolone in man. Glucose, insulin and growth hormone patterns after on oral glucose load. Zamrazil V, et al. **Horm Metab Res** 8(4):282–6, Jul 76

Effect of electroconvulsive therapy without anticonvulsive premedication on serum growth hormone in man. Vigaš M, et al. **Horm Res** 6(2):65–70, 1975

Habitual circadian timing of growth hormone (STH), adrenocorticotrophic hormone (ACTH), insulin, cortisol and glucose in human serum. pp. 185–92. Lakatua DJ, et al.
In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.

Growth hormone responses to administration of L-5-hydroxytryptophan (L-5-HTP) in manic-depressive psychoses. pp. 33–8. Takahashi S, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Hormonal adaptation to short term total fast in the obese. pp. 112–6. Kolanowski J, et al.
In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974.

Hormonal and behavioral reversals in hyposomatotropic dwarfism. pp. 243–52. Money J, et al.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Circadian rhythm of ACTH and growth hormone in human blood; time relations to adrenocortical (blood and urinary) rhythms. pp. 123–9. Lakatua DJ, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (34 ref.)

Biologic rhythm of plasma human growth hormone in newborns of low birth weight. pp. 348–52. Sisson TR, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Role of central catecholamines in stress-induced growth hormone release in man. pp. 187–93. Vigaš M, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

The insulin:glucagon ratio and the secretion of growth hormone after intravenous administration of amino acids and carbohydrates in healthy subjects. Gesser CA, et al. **Infusionstherapie** 1(6):483–9, Aug 74

L-dopa, growth hormone and adipokinesis in the lean and the obese. Pinter EJ, et al. **Int J Clin Pharmacol Biopharm** 12(1–2):277–80, Jul 75

Effect of tuberculostatic agents on the response of serum growth hormone and immunoreactive insulin to intravenous tolbutamide, and on the half-life of tolbutamide. Syvälahti E, et al. **Int J Clin Pharmacol Biopharm** 13(2):83–9, Mar 76

Serum growth hormone, serum immunoreactive insulin and blood glucose response to oral and intravenous diazepam in man. Syvälahti EK, et al. **Int J Clin Pharmacol Biopharm** 12(1–2):74–82, Jul 75

Proceedings: Influence of glucagon on plasma levels of glucose, insulin, growth hormone and cortisol. Hertzeanu I, et al. **Isr J Med Sci** 11(11):1220, Nov 75

Bovine serum LH, GH and prolactin following chronic implantation of ovarian steroids and subsequent ovariectomy. Beck TW, et al. **J Anim Sci** 42(2):461–8, Feb 76

Dose-response influence of prostaglandin E and somatostatin on plasma levels of growth hormone. Prolactin and thyrotropin in sheep. Davis SL, et al. **J Anim Sci** 41(1):172–7, Jul 75

Influence of chronic thyrotropin-releasing hormone injections on secretion of prolactin, thyrotropin and growth hormone and on growth rate in wether lambs. Davis SL, et al. **J Anim Sci** 42(5):1244–50, May 76

Growth in sheep, pre- and post-weaning hormone changes and muscle and liver development. Johns JT, et al. **J Anim Sci** 43(1):192–200, Jul 76

Serum prolactin and growth hormone response to thyrotropin releasing hormone in prepubertal heifers. Vines DT, et al. **J Anim Sci** 42(3):681–7, Mar 76

Depression of growth hormone and cortisol response to insulin-induced hypoglycemia after prolonged oral delta-9-tetrahydrocannabinol administration in man. Benowitz NL, et al. **J Clin Endocrinol Metab** 42(5):938–41, May 76

Effect of carbidopa on prolactin, growth hormone and cortisol secretion in man. Brown GM, et al. **J Clin Endocrinol Metab** 43(1):236–9, Jul 76

Stimulation of rhesus monkey GH release: arginine vs plasma volume expansion. Chambers JW, et al. **J Clin Endocrinol Metab** 42(1):169–72, Jan 76

Inhibitory effect of an ergoline derivative, methergoline, on growth hormone and prolactin levels in acromegalic patients. Chiodini PG, et al. **J Clin Endocrinol Metab** 43(2):356–63, Aug 76

Effects of somatostatin on basal levels of plasma growth hormone and insulin in acromegalics: dose-response studies and attempted total growth hormone suppression. Christensen SE, et al. **J Clin Endocrinol Metab** 42(5):839–45, May 76

Abnormal TSH, PRL and GH response to TSH releasing factor in chronic renal failure. Czernichow P, et al. **J Clin Endocrinol Metab** 43(3):630–7, Sep 76

Effect of pyridoxine on human hypophyseal trophic hormone release: a possible stimulation of hypothalamic dopaminergic pathway. Delitala G, et al. **J Clin Endocrinol Metab** 42(3):603–6, Mar 76

Growth hormone radiologand assay unresponsive to human prolactin. Etzrodt H, et al. **J Clin Endocrinol Metab** 42(6):1184–7, Jun 76

Pattern of plasma ACTH, hGH, and cortisol during menstrual cycle. Genazzani AR, et al. **J Clin Endocrinol Metab** 41(3):431–7, Sep 75

Evidence for higher proportion of 'little' growth hormone with increased radioreceptor activity in acromegalic plasma. Gorden P, et al. **J Clin Endocrinol Metab** 43(2):364–73, Aug 76

Recovery from paradoxical growth hormone responses in acromegaly after transphenoidal selective adenomectomy. Hoyte KM, et al. **J Clin Endocrinol Metab** 41(4):656–9, Oct 75

Receptor-active growth hormone in Laron dwarfism. Jacobs LS, et al. **J Clin Endocrinol Metab** 42(2):403–6, Feb 76

Effect of clonidine on growth hormone, prolactin, luteinizing hormone, follicle-stimulating hormone, and thyroid-stimulating hormone in the serum of normal men. Lal S, et al. **J Clin Endocrinol Metab** 41(5):827–32, Nov 75

Effects of dopamine infusion on pituitary hormone secretion in humans. Leblanc H, et al. **J Clin Endocrinol Metab** 43(3):668–74, Sep 76

Suppression by thyrotropin-releasing hormone (TRH) of human growth hormone release induced by L-dopa. Maeda K, et al. **J Clin Endocrinol Metab** 41(2):408–11, Aug 75

Growth hormone and cortisol responses to psychological stress: comparison of normal and neurotic subjects. Miyabo S, et al. **J Clin Endocrinol Metab** 42(6):1158–62, Jun 76

Growth hormone, prolactin and chorionic somatomammotropin in normal and molar pregnancy. Mochizuki M, et al. **J Clin Endocrinol Metab** 43(3):614–21, Sep 76

Growth hormone refractory interval to levodopa stimulation. Parker KM, et al. **J Clin Endocrinol Metab** 42(6):1188–91, Jun 76

Disappearance rates of plasma growth hormone after intravenous somatostatin in renal and liver disease. Pimstone BL, et al. **J Clin Endocrinol Metab** 41(2):392–3, Aug 75

Effect of the antihistaminic agents meclastine and dexchlorpheniramine on the response of human growth hormone to arginine infusion and insulin hypoglycemia. Pontiroli AE, et al. **J Clin Endocrinol Metab** 43(3):582–6, Sep 76

Effects of alcohol on growth hormone secretion in acromegaly. Tamburrano G, et al. **J Clin Endocrinol Metab** 42(1):193–6, Jan 76

Effects of morphine on serum growth hormone, cortisol, prolactin and thyroid stimulating hormone in man. Tolis G, et al. **J Clin Endocrinol Metab** 41(4):797–800, Oct 75

The inhibitory effect of somatostatin on growth hormone, insulin and glucagon secretion in diabetes mellitus. Ward FR, et al. **J Clin Endocrinol Metab** 41(3):527–32, Sep 75

Plasma growth hormone and insulin during early lactation in cows fed silage based diets. Smith RD, et al. **J Dairy Sci** 59(2):248–54, Feb 76

Proceedings: Growth, prolactin and growth hormone in lambs treated with CB154. Brown WB, et al. **J Endocrinol** 69(3):47P, Jun 76

Growth hormone levels in the plasma of male goats throughout the year. Hart IC, et al. **J Endocrinol** 67(1):137–8, Oct 75

Immunoreactive growth hormone levels in pigs fed protein or energy restricted diets during the postweaning period. Atinmo T, et al. **J Nutr** 106(7):947–51, Jul 76

Decreased dietary protein or energy intake and plasma growth hormone levels of the pregnant pig, its fetuses and developing progeny. Atinmo T, et al. **J Nutr** 106(7):940–6, Jul 76

Plasma ACTH values during the first seven days of life in infants of diabetic mothers. Cacciari E, et al. **J Pediatr** 87(6 Pt 1):943–5, Dec 75

Serum thyrotropin, prolactin, and growth hormone levels during the early neonatal period in the human infant. Sack J, et al. **J Pediatr** 89(2):298–300, Aug 76

Plasma immunoreactive insulin and somatotropin in delirium tremens and alcoholic hallucinosis. Dobrzański T, et al. **J Stud Alcohol** 37(3):327–33, Mar 76

Editorial: Skinning the cat. Nusynowitz ML. **JAMA** 233(12):1302–3, 22 Sep 75

Circadian pattern of prolactin and growth hormone levels in female rats of two strains. Esber HJ, et al. **Lab Anim Sci** 26(2 Pt 1):186–9, Apr 76

Letter: Bromocriptine and growth hormone. Morgan L, et al. **Lancet** 1(7952):195, 24 Jan 76

Letter: Growth-hormone response to bromocriptine in parkinsonism. Shaw KM, et al. **Lancet** 1(7952):194, 24 Jan 76

Effects of 3,4-dihydroxyphenylserine on the concentration of brain noradrenaline and the level of plasma growth hormone of rats. Hirai M, et al. **Med J Osaka Univ** 26(12):51–9, Sep 75

Correspondence: The influence of growth hormone on cholesterol metabolism. Friedman M, et al. **Metabolism** 25(1):125–6, Jan 76

Inhibitory effect of somatostatin on dibutyryl cyclic AMP-induced insulin and growth hormone release in human subjects. Peracchi M, et al. **Metabolism** 25(3):321–8, Mar 76

Effect of alcohol administration on plasma growth hormone response to insulin–induced hypoglycemia. Priem HA, et al. **Metabolism** 25(4):397–403, Apr 76

Inhibition by six somatostatin analogs of plasma growth hormone levels stimulated by thiamylal and morphine in the rat. Ferland L, et al. **Mol Cell Endocrinol** 4(2):79–88, Jan 76

Effect of five dopaminergic drugs on plasma growth hormone levels in acromegalic subjects. Camanni F, et al. **Neuroendocrinology** 19(3):227–40, 1975

Effect of meal feeding on daily rhythms of plasma corticosterone and growth hormone in the rat. Moberg GP, et al. **Neuroendocrinology** 19(2):160–9, 1975

Effects of stress on plasma corticosterone and growth hormone levels in rats with median eminence–pituitary islands. Rice RW, et al. **Neuroendocrinology** 19(4):339–51, 1975

Effect of starvation on pituitary growth hormone cells and blood growth hormone and prolactin levels in the rat. Sirek AM, et al. **Nutr Metab** 20(1):67–75, 1976

Interaction of endogenous growth hormone, cortisol, and catecholamines with blood glucose in children with brittle diabetes mellitus. Bruck E, et al. **Pediatr Res** 9(6):535–41, Jun 75

Plasma growth hormone, insulin, and glucagon responses to arginine infusion in children and adolescents with idiopathic short stature, isolated growth hormone deficiency, panhypopituitarism, and anorexia nervosa. Sizonenko PC, et al. **Pediatr Res** 9(9):733–8, Sep 75

Serum insulin, pancreatic glucagon and growth hormone levels in response to intravenous infusion of L–arginine in patients with recently detected juvenile diabetes. Lawecki J, et al. **Pol Med Sci Hist Bull** 15(2):177–82, Apr–Jun 76

Hormonal and metabolic studies of the action of fenfluramine in normal man, obesity, acromegaly and diabetes mellitus. Sulaiman WR, et al. **Postgrad Med J** 51 Suppl 1:125–31, 1975

The effect of inhalations of beclomethasone dipropionate on plasma cortisol levels and growth hormone production. Wilken–Jensen K. **Postgrad Med J** 51 Suppl 4:31–2, 1975

A rapid radioimmunoassay method of growth hormone in dog plasma. Cocola F, et al. **Proc Soc Exp Biol Med** 151(1):140–5, Jan 76

Pituitary and serum concentrations of prolactin and GH in Snell dwarf mice. Sinha YN, et al.
Proc Soc Exp Biol Med 150(1):207–10, Oct 75

Effects of ambient temperature and relative humidity on serum prolactin and growth in heifers. Tucker HA, et al. **Proc Soc Exp Biol Med** 151(3):623–6, Mar 76

Sleep EEG stages and growth hormone levels in endogenous and exogenous hypercortisolemia or ACTH elevation. Krieger DT. **Prog Brain Res** 42:121, 1975

Neuro–endocrine pattern of secretion during the sleep–wake cycle of man. Weitzman ED. **Prog Brain Res** 42:93–102, 1975

Cortisol and growth hormone in kwashiorkor and marasmus. Van Der Westhuysen JM, et al. **S Afr Med J** 49(40):1642–4, 20 Sep 75

Letter: Plasma growth hormone. Devlin JG. **Surgery** 79(5):605–6, May 76

Increase in plasma growth hormone concentration: a new effect of helium breathing. Raymond L, et al.
Undersea Biomed Res 1(1):91–8, Mar 74

[Growth hormone in the blood of patients after administration of synthetic thyrotropin releasing hormone] Nedvídková J, et al. **Vnitr Lek** 22(5):453–6, May 76 (Eng. Abstr.)

[Determination of somatotropic hormone in childhood] Lisá L, et al. **Cas Lek Cesk** 115(4):108–11, 30 Jan 76 (Eng. Abstr.) **(Cze)**

[Hormone reactions to physical exercise following altitude training (author's transl)] Pesquies P, et al.
Ann Endocrinol (Paris) 36(5):243–50, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Effects of milking on plasma levels of somatotropic hormone in sheep and goats] Martal MJ, et al.
C R Acad Sci [D] (Paris) 280(2):197–200, 13 Jan 75 (Eng. Abstr.) **(Fre)**

[Influence of tobacco on hormones essential to glycoregulation] Orsetti A, et al. **Nouv Presse Med** 4(21):1571–2, 24 May 75 **(Fre)**

[Effect of cigarettes on the serum levels of growth hormone and TSH in diabetics] Verdy M, et al. **Union Med Can** 104(9):1356–9, Sep 75 (Eng. Abstr.) **(Fre)**

[Courses of blood sugar, insulin, growth hormone, free fatty acids and glycerin following intravenous and oral glucose load in children of diabetic mothers and of a healthy control group] Amendt P. **Acta Paediatr Acad Sci Hung** 16(3–4):281–98, 1975 **(Ger)**

[Liberation of growth hormone and melanocyte–stimulating hormone in natural and melatonin–induced human sleep (author's transl)] Cramer H, et al. **Arzneim Forsch** 26(6):1076–8, 1976 (Eng. Abstr.) **(Ger)**

[Growth hormone in the newborn infant during the first 6 days of life] Mohr D, et al. **Fortschr Med** 93(28):1341–4, 9 Oct 75 (Eng. Abstr.) **(Ger)**

[The growth hormone in craniocerebral injury] Gottstein J, et al. **Langenbecks Arch Chir** Suppl:361–4, 1975 (Eng. Abstr.) **(Ger)**

[Clinical and biochemical findings of acromegaly patients (author's transl)] Barwich D. **Med Klin** 70(44):1780–3, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Plasma ACTH, STH and other hormone levels in various groups under chlormethiazole, haloperidol or reserpine load in alchohol delirium, alcoholic hallucinations, and chronic alcoholism] Dobrzański T, et al.
Psychiatr Neurol Med Psychol (Leipz) 28(1):26–32, Jan 76 (Eng. Abstr.) **(Ger)**

[Studies on the behavior of human growth hormone (HGH) level in the preparation period for the clinical test] Ulrich E, et al. **Z Gesamte Inn Med** 30(24):792–5, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Somatotropic hormone] Boscherini B.
Ann Ist Super Sanita 11(1–2):163–8, 1975 (Eng. Abstr.) **(Ita)**

[Behavior of plasma IRI, HGH and cortisol after administration of levodopa in patients with hepatic cirrhosis] Palazzuoli V, et al. **Boll Soc Ital Biol Sper** 52(9):630–5, 15 MAY 76 **(Ita)**

[Plasma insulin and GH during oral glucose load in liver cirrhosis] Greco AV, et al. **Minerva Med** 67(35):2266–72, 21 Jul 76 (Eng. Abstr.) **(Ita)**

[Determination of plasmatic growth hormone in the pediatric age] Colombo A, et al. **Pediatria (Napoli)** 83(4):627–82, 31 Dec 75 (Eng. Abstr.) **(Ita)**

[Behavior of blood somatotropin after intramuscular administration of glucagon in prepuberal obese subjects] Lanzara P, et al. **Pediatria (Napoli)** 83(1):81–9, 31 Mar 75 (Eng. Abstr.) **(Ita)**

[Changes in serum hormone levels during adolescent growth spurt (1) Changes in the HGH level] Ishiwada H, et al. **Clin Endocrinol (Tokyo)** 23(9):901–6, Sep 75 **(Jpn)**

[Human growth hormone and prolactin during pregnancy (author's transl)] Kawaguchi K, et al.
Folia Endocrinol Jpn 51(6):546–55, 20 Jun 75 (Eng. Abstr.) **(Jpn)**

[Comparison with growth hormone responses to various drugs or substances in patients with active acromegaly (author's transl)] Takahara J, et al. **Folia Endocrinol Jpn** 51(10):803–12, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

[Psychosomatic studies on changes of serum human growth hormone (author's transl)] Kurokawa N.
Fukuoka Acta Med 66(9):513–22, 25 Sep 75 (Eng. Abstr.) **(Jpn)**

[Extra–adrenal pheochromocytoma, a case report, electronmicroscopic findings and plasma HGH and ACTH levels (author's transl] Takino T, et al.
J Jpn Soc Intern Med 64(3):246–53, 10 Mar 75 **(Jpn)**

[Propranolol–glucagon loading test] Okada Y, et al.
Jpn J Clin Med 34(2):410–3, 10 Feb 76 **(Jpn)**

[Development and clinical application of a simple ultramicro–analysis of human growth hormone] Ogawa N, et al. **Jpn J Nucl Med** 12(4):359–66, Aug 75 (Eng. Abstr.) **(Jpn)**

Endocrinological evaluation of sellar and suprasellar tumor cases (the eighth report)—on growth hormone secretion of acromegalic patients before treatment (author's transl)] Mori S, et al. **Neurol Surg (Tokyo)** 4(7):649–61, Jul 76 (Eng. Abstr.) **(Jpn)**

[Growth hormone and insulin curve following glucose loading in patients with acromegaly] Kolaszyński J, et al. **Endokrynol Pol** 26(3):265–9, May–Jun 75 **(Pol)**

[Effect of exertion on serum growth hormone concentration in healthy, obese and diabetic subjects] Kosowicz J, et al. **Endokrynol Pol** 26(4):431–7, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Effect of physical exercise on plasma cortisol and growth hormone levels in young weight lifters] Lukaszewska J, et al. **Endokrynol Pol** 27(2):149–57, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Diagnostic value of the L–dopa test] Migdalska B, et al. **Endokrynol Pol** 27(3):265–74, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Effect of physical exercise on plasma cortisol, testosterone and growth hormone levels in weight lifters] Skierska E, et al. **Endokrynol Pol** 27(2):159–65, Mar–Apr 76 **(Pol)**

[Differential diagnosis of growth disorders based on the determination of growth hormone secretion following administration of L–dopa] Gembicki M, et al.
Pol Arch Med Wewn 54(2):147–52, Aug 75 (Eng. Abstr.) **(Pol)**

[Insulin and growth hormone secretion in myocardial infarct] Kozlowski W. **Pol Arch Med Wewn** 56(7):45–54, Jul 76 (Eng. Abstr.) **(Pol)**

[Serum levels of growth hormone in the course of insulin–induced hypoglycemia in hyperthyroidism and hypothyroidism] Schneider E. **Pol Tyg Lek** 30(31–32):1311–3, 4–11 Aug 75 (Eng. Abstr.) **(Pol)**

[Influence of nutrition on hormone secretion. I. Study in Agua Preta (author's transl)] Chaves N, et al.
Rev Bras Pesqui Med Biol 8(3–4):261–70, May–Aug 75 (Eng. Abstr.) **(Por)**

[Levels of growth hormone, prolactin and insulin in the course of acute administration of chlorpromazine (plegomazin) in psychiatric patients] Costa D, et al.
Rev Med Intern [Neurol Psihiatr] 20(3):177–82, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Method of determination of somatotropin level in blood plasma with L–dopa loading in patients with diabetes mellitus complicated by microangiopathies] Babakhanov KhB. **Lab Delo** (10):605–7, 1975 **(Rus)**

[Growth hormone content of blood serum in diabetes mellitus] Petakh NN, et al. **Vrach Delo** (11):94–6, Nov 75 **(Rus)**

[Somatotropin in hypothyroidism in children] Doneva V, et al. **God Zb Med Fak Skopje** 21:49–56, 1975 (Eng. Abstr.) **(Ser)**

[Some potential sources of errors in radioimmunoassay of insulin and growth hormone in the body fluids] János L. **Med Pregl** 29(3–4):129–31, 1976 (Eng. Abstr.) **(Ser)**

[Plasma levels of HGH, insulin and NEFA in diabetic children (author's transl)] del Valle Núñez CJ, et al.
An Esp Pediatr 8(6):614–20, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Response to acute administration of pituitary inhibiting hormone, growth hormone and one of its analogues in acromegaly] Gonzalez–Barcena D, et al.
Arch Invest Med (Mex) 6(3):505–12, 1975 (Eng. Abstr.) **(Spa)**

[Plasma levels of insulin, free fatty acids and growth hormone: their relationship with carbohydrate metabolism in thyrotoxicosis] Ortigosa JL, et al.
Arch Invest Med (Mex) 6(3):497–504, 1975 (Eng. Abstr.) **(Spa)**

[Serum levels of human chorionic somatomammotropin (HCS) in normal pregnancy and in various obstetric and perinatal high risk diseases] Abusleme C.
Rev Chil Obstet Ginecol 39(5):199–203, 1974 **(Spa)**

CEREBROSPINAL FLUID

Suprasellar extension of tumor associated with increased cerebrospinal fluid activity of growth hormone. Hanson EJ Jr, et al. **Mayo Clin Proc** 51(7):412–6, Jul 76

DEFICIENCY

Primary hypothyroidism, growth hormone deficiency and congenital malformations in a child with the karyotype 46,XY,del(1)(q25q32). Koivisto M, et al.
Acta Paediatr Scand 65(4):513–8, Jul 76

Growth hormone deficiency after treatment of acute leukaemia in children. Shalet SM, et al. **Arch Dis Child** 51(7):489–93, Jul 76

Growth hormone deficiency with hypoglycemia, genital hypoplasia and frontal prominence. Rosenbloom AL, et al. **Birth Defects** 10(4):239–42, 1974

Editorial: Early detection of growth hormone deficiency.
Br Med J 1(6004):245, 31 Jan 76

Letter: Early detection of growth hormone deficiency. Sönksen PH, et al. **Br Med J** 1(6011):709–10, 20 Mar 76

Growth hormone deficiency in children with brain tumors. Shalet SM, et al. **Cancer** 37(2 Suppl):1144–8, Feb 76

Clinical use of glycine intravenous load for diagnosis of growth hormone deficiency. Florea I, et al.
Clin Endocrinol (Oxf) 5(3):283–6, May 76

Two cases of the chromatin positive variety of ovarian dysgenesis (XO/XX mosaicism) associated with hGH deficiency and marginal impairment of other hypothalamic–pituitary functions. Faggiano M, et al.
Clin Genet 8(5):324–9, Nov 75

47,+(9q–) in unrelated three children with plasma growth hormone deficiency. Fujita H, et al. **Hum Genet** 31(3):271–82, 12 Mar 76

The role of growth hormone and cortisone on glucose and gluconeogenic substrate regulation in fasted hypopituitary children. Haymond MW, et al.
J Clin Endocrinol Metab 42(5):846–56, May 76

A not on the bone age at which patients with true isolated growth hormone deficiency enter puberty. Tanner JM, et al. **J Clin Endocrinol Metab** 41(4):788–90, Oct 75

Inherited ateliotic dwarfism in mice. Characteristics of the mutation, little, on chromosome 6. Eicher EM, et al.
J Hered 67(2):87–91, Mar–Apr 76

Growth hormone deficiency in anorexia nervosa. Huseman C, et al. **J Pediatr** 87(6 Pt 1):946–8, Dec 75

Congenital hypothyroidism in a young man with growth hormone, thyrotropin, and prolactin deficiencies. Rogol AD, et al. **J Pediatr** 88(6):953–8, Jun 76

Evaluation of thyroid function during growth hormone therapy. Rubio GR, et al. **Metabolism** 25(1):15–21, Jan 76

Propranolol and exercise as a screening test for growth hormone deficiency. Shanis BS, et al. **Pediatrics** 57(5):712–4, May 76

[Nanism caused by water deprivation, with transitory growth hormone deficiency] Beauvais P, et al. **Arch Fr Pediatr** 32(8):721–31, Oct 75 (Eng. Abstr.) **(Fre)**

[Comparison between constitutional developmental retardation and growth hormone deficiency in LH–RH–test] Meder R, et al. **Monatsschr Kinderheilkd** 124(5):396–8, May 76 **(Ger)**

[Brief and combination tests for the diagnosis of hormonal insufficiency in children with retarded growth] Schönberg DK, et al. **Monatsschr Kinderheilkd** 123(5):331–4, May 75 **(Ger)**

[Screening test for the exclusion of growth–hormone deficiency] Stahnke N, et al. **Monatsschr Kinderheilkd** 123(5):335–7, May 75 **(Ger)**

[Specific aspect in the differential diagnosis of GH (Growth Hormone) deficiency and constitutional retardation of maturation] Benso L, et al. **Minerva Pediatr** 27(28):1555, 15 Sep 75 **(Ita)**

[Somatotropin imsufficiency. II. Mechanism of production and conditions of appearance] Popa M.
Stud Cercet Endocrinol 23(5):297–306, 1972 **(Rum)**

[Somatotropin insufficiency. I. Metabolic and hormonal disorders] Popa M. **Stud Cercet Endocrinol** 23(4):219–34, 1972 (87 ref.) **(Rum)**

IMMUNOLOGY

Isolation of antibodies to protein hormones by bioaffinity chromatography on divinylsulfonyl sepharose. Sairam MR, et al. **Biochem Biophys Res Commun** 69(1):190–6, 8 Mar 76

The syndrome of familial dwarfism and high plasma immunoreactive human growth hormone. Laron Z. **Birth Defects** 10(4):231–8, 1974

Immunological relatedness of human and porcine growth hormones. Etzrodt H, et al. **Hoppe Seylers Z Physiol Chem** 356(2):119–26, Feb 75

ISOLATION & PURIFICATION

Human and monkey prolactin and growth hormone: separation of polymorphic forms by isoelectric focusing. Hummel BC, et al. **Endocrinology** 97(4):855–67, Oct 75

Letter: improvement in the quality and quantity of growth hormone isolated from acetone-preserved human pituitaries for clinical usage. Parlow AF, et al. **J Clin Endocrinol Metab** 43(1):229–31, Jul 76

Gram-preparative protein fractionation by isotachophoresis: isolation of human growth hormone isohormones. Baumann G, et al. **Proc Natl Acad Sci USA** 73(3):732–6, Mar 76

METABOLISM

Distribution of 125I-labeled rat growth hormone in regional brain areas and peripheral tissue of the rat. Stern WC, et al. **Am J Anat** 144(4):503–7, Dec 75

The effects of growth hormone-releasing hormone (GH-RH) and thyroxine on the synthesis and release of GH in a clonal strain of rat pituitary tumor cells. Ishikawa H, et al. **Biochem Biophys Res Commun** 70(1):241–7, 3 May 76

Characterization of the binding of human growth hormone to microsomal membranes from rat liver. Herington AC, et al. **Biochem J** 158(1):61–9, 15 Jul 76

Metabolic clearance and secretion rates of porcine growth hormone in genetically lean and obese swine. Althen TG, et al. **Endocrinology** 99(2):511–5, Aug 76

Content of LH, FSH, and growth hormone in the pituitaries of pregnant and anestrous sheep. Chamley WA, et al. **Endocrinology** 98(6):1535–8, Jun 76

Conversion of L-thyroxine to triiodo-L-thyronine and biological activity of L-thyroxine, as measured by changes in growth hormone. Hervás F, et al. **Endocrinology** 98(1):77–83, Jan 76

Lactogenic and growth hormone-like activities in pregnancy determined by radioreceptor assays. Kelly PA, et al. **Endocrinology** 99(3):765–74, Sep 76

Water-soluble specific growth hormone binding sites from cultured human lymphocytes: preparation and partial characterization. McGuffin WL Jr, et al. **Endocrinology** 98(6):1401–7, Jun 76

Characterization and modulation of growth hormone and prolactin binding in mouse liver. Posner BI. **Endocrinology** 98(3):645–54, Mar 76

Growth hormone in encephalectomized rat fetuses, with comments on the effects of anesthetics. Rieutort M, et al. **Endocrinology** 98(5):1123–9, May 76

Decreased pituitary growth hormone content in rats treated neonatally with high doses of L-thyroxine. Pascual-Leone AM, et al. **Horm Metab Res** 8(3):215–7, May 76

In vitro specificity of synthetic peptides reported to release TSH, LH/FSH, or GH. pp. 167–73. LaBella FS, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

A form of human growth hormone with remarkable lactogenic and growth activities. pp. 48–50. Lewis UJ, et al. **In: Pasteels JL, et al., ed. Human prolactin. Amsterdam, Excerpta Medica, 1973. W3 EX89 n.308 1973.**

Growth hormone responsiveness to hypoglycemia and urinary MHPG in affective disease patients: preliminary observations. pp. 233–5. Garver DL, et al. **In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.**

Failure of endogenous plasmin to convert human growth hormone to its 'activated' isohormones. Baumann G. **J Clin Endocrinol Metab** 43(1):222–5, Jul 76

Growth hormone and insulin binding to human liver. Carr D, et al. **J Clin Endocrinol Metab** 42(3):484–93, Mar 76

Assay of pig growth hormone preparations for metabolic activities in the rat and in man. Mills JB, et al. **J Clin Endocrinol Metab** 42(6):1127–32, Jun 76

Absorption of 125I-labelled sheep growth hormone in single proximal tubules of the rat kidney. Stacy BD, et al. **J Endocrinol** 68(1):21–30, Jan 76

Human growth hormone and cortisol response to insulin stimulation in aging. Muggeo M, et al. **J Gerontol** 30(5):546–51, Sep 75

Effect of selenium on rat growth, growth hormone and diet utilization. Ewan RC. **J Nutr** 106(5):702–9, May 76

Control of pituitary functions of synthesis and release of prolactin and growth hormone by gonadal steroids in female and male rats. Yamamoto K, et al. **Jpn J Physiol** 25(5):645–58, 1975

Pituitary regulation of human growth hormone binding sites in rat liver membranes. Herington AC, et al. **Metabolism** 25(3):341–53, Mar 76

Improvement of growth hormone response to stimulation in primary aldosteronism with correction of potassium deficiency. Podolsky S, et al. **Metabolism** 25(9):1027–32, Sep 76

Quantitative measurement of the ability of human chromophobe adenomas to synthesize and release human growth hormone. Sasaki R, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:7–11, 1975

Propranolol-augmented, exercise-induced human growth hormone release. Maclaren NK, et al. **Pediatrics** 56(5):804–7, Nov 75

Sex differences in binding of human growth hormone to isolated rat hepatocytes. Ranke MB, et al. **Proc Natl Acad Sci USA** 73(3):847–51, Mar 76

Receptors for insulin, NSILA-s, and growth hormone: applications to disease states in man. Roth J, et al. **Recent Prog Horm Res** 31:95–139, 1975 (84 ref.)

Evidence for neuroendocrine abnormalities in the major mental illnesses. Sachar EJ. **Res Publ Assoc Res Nerv Ment Dis** 54:347–58, 1975 (25 ref.)

Responsiveness of growth hormone release in acromegalics after irradiation or hypophysectomy. Aida M, et al. **Tohoku J Exp Med** 120(1):91–6, Sep 76

[Proceedings: Arginine and synthesis and secretory functions of growth hormone and prolactin] Ieiri S, et al. **J Physiol Soc Jpn** 36(8–9):402–3, 1 Sep 74 **(Jpn)**

[Growth hormone and Somatomedin. A brief review (author's transl)] Lund-Larsen TR. **Nord Vet Med** 27(9):442–7, Sep 75 (Eng. Abstr.) **(Nor)**

[Somatotropic hormone before and after treatment of microangiopathies in diabetes mellitus patients] Spesivtseva VG, et al. **Probl Endokrinol (Mosk)** 21(6):3–6, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Acute effects of exogenous growth hormone in man: time- and dose-bound modification of glucose tolerance and glucose-induced insulin release. Adamson U, et al. **Acta Endocrinol (Kbh)** 80(2):247–61, Oct 75

Diminished sensitivity of the insulin response to glucose following growth hormone influsion in man. Adamson U, et al. **Acta Endocrinol (Kbh)** 1(4):735–42, Apr 76

Effect of prolactin, growth hormone and insulin on the uptake and binding of dihydrotestosterone to the cultured rat ventral prostate. Johansson R. **Acta Endocrinol (Kbh)** 1(4):854–64, Apr 76

The importance of growth hormone and liothyronine in induced hypocalcaemia in hypophysectomized animals. Sorensen OH, et al. **Acta Endocrinol (Kbh)** 82(3):492–9, Jul 76

The effect of growth hormone on renin production and release by rat kidney slices. Hauger-Klevene JH. **Acta Physiol Lat Am** 25(1):80–2, 1975

Growth and mitotic rate of the proximal tibial epiphyseal plate in hypophysectomized rats given estradiol and human growth hormone. Gustafsson PO, et al. **Acta Radiol [Suppl] (Stockh)** (344):69–74, 1975

In vitro effects of growth hormone on cyclic AMP metabolism in the isolated rat diaphragm. Kostyo JL, et al. **Adv Metab Disord** 8:249–62, 1975

Human pituitary growth hormone. Intrinsic lipolytic activity on rabbit fat cells. Lee V, et al. **Arch Biochem Biophys** 169(2):669–77, Aug 75

Growth hormone and liver mitochondria. Effects on cytochromes and some enzymes. Maddaiah VT, et al. **Arch Biochem Biophys** 173(1):225–30, Mar 76

Influence of bovine somatotropin on the liver experimentally damaged with carbon tetrachloride. Prandota J, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):537–41, 1975

Modification of the actions of some neuroactive drugs by growth hormone. Tang LC, et al. **Arch Neurol** 33(2):131–4, Feb 76

Extra-ovarian effects of bovine prolactin and growth hormone on the vagina of the mouse. Kennedy TG, et al. **Aust J Biol Sci** 28(4):399–404, Aug 75

Enhancement of the growth promoting activity of human growth hormone. Lewis UJ, et al. **Biochem Biophys Res Commun** 67(2):617–24, 17 Nov 75

Subcellular localization of ornithine decarboxylase in liver of control and growth-hormone-treated rats. Murphy BJ, et al. **Biochem J** 157(1):33–9, 1 Jul 76

Growth hormone and drug metabolism. Acute effects on nuclear ribonucleic acid polymerase activity and chromatin. Spelsberg TC, et al. **Biochem J** 154(2):439–48, 15 Feb 76

Growth hormone and drug metabolism. Acute effects on microsomal mixed-function oxidase activities in rat liver. Wilson JT, et al. **Biochem J** 154(2):433–8, 15 Feb 76

Influence of adrenocorticotropic hormone, somatotrophic hormone and pregnenolone-16alpha-carbonitrile on drug response and metabolism. Szabo S, et al. **Biochem Pharmacol** 24(16):1549–51, 15 Aug 75

Hormonal regulation of pancreatic islet adenyl cyclase. Thompson WJ, et al. **Biochemistry** 15(8):1658–63, 20 Apr 76

Immunochemical demonstration of increased accumulation of ornithine carboxylase in rat liver after partial hepatectomy and growth hormone induction. Hölttä E. **Biochim Biophys Acta** 399(2):420–7, 13 Aug 75

Activation of adenylate cyclase in renal medulla by bovine growth hormone. An artifact attributable to vasopressin. Leichter SB, et al. **Biochim Biophys Acta** 399(2):291–301, 13 Aug 75

Action of growth hormone in vitro on the net uptake and incorporation in' protein of amino acids in muscle from intact rabbits given protein-deficient diets. Turner MR, et al. **Br J Nutr** 35(1):1–10, Jan 76

Effects of growth hormone on tissue metabolism in broiler chicks. Scanes CG, et al. **Br Poult Sci** 16(4):405–8, Jul 75

The effect of porcine somatotropin on growth, and survival in seawater of Atlantic salmon (Salmo salar) parr. Komourdjian MP, et al. **Can J Zool** 54(4):531–5, Apr 76

Human growth hormone as an activator for lecithin—cholesterol acyl-transferase. Sanz EJ, et al. **Chem Phys Lipids** 14(4):297–302, AUG 75

Hormone suppression of DNA synthesis in cultured chondrocyte and osteosarcoma cell line. Scranton PE Jr, et al. **Clin Orthop** (112):340–8, Oct 75

Glucagon release precedes insulin release in response to common secretagogues. Pek S, et al. **Diabetes** 25(9):764–70, Sep 76

The effects of insulin and growth hormone on the release of somatomedin by the isolated rat liver. Daughaday WH, et al. **Endocrinology** 98(5):1214–9, May 76

Pituitary fibroblast growth factor as a stimulator of growth in cultured rabbit articular chondrocytes. Jones KL, et al. **Endocrinology** 97(2):359–65, Aug 75

The effect of growth hormone on parathyroid function in rats. Lancer SR, et al. **Endocrinology** 98(5):1289–93, May 76

Ontogeny of sensitivity to growth hormone in rat diaphragm muscle. Nutting DF. **Endocrinology** 98(5):1273–83, May 76

Comparison of somatomedin activity in perfusates of normal and hypophysectomized rat livers with and without added growth hormone. Phillips LS, et al. **Endocrinology** 98(3):606–14, Mar 76

The effects of growth hormone treatment of thyroid-deficient pregnant rats on maternal and fetal carbohydrate metabolism. Porterfield SP, et al. **Endocrinology** 99(3):786–92, Sep 76

Comparison of the delayed actions of growth hormone and somatomedin on adipose tissue metabolism. Schwartz J, et al. **Endocrinology** 98(3):730–7, Mar 76

Direct stimulation by growth hormone of glucagon and insulin release from isolated rat pancreas. Tai TY, et al. **Endocrinology** 99(3):669–77, Sep 76

ACTH and growth hormone relationship in fetal rat adrenal steroidogenesis in vitro. Klepac R, et al. **Endokrinologie** 66(1):74–80, Sep 75

Role of growth hormone in improving animal production. Machlin LJ. **Environ Qual Saf [Suppl]** (5):43–55, 1976 (62 ref.)

Hormonal control of renal phosphoenolpyruvate carboxykinase activity during development of the rat. Hauser CA, et al. **Enzyme** 21(2):115–26, 1976

Effects of prolactin and growth hormone on DNA synthesis of rat mammary carcinomas in vitro. de Iturri GC, et al. **Experientia** 32(8):1045–7, 15 Aug 76

Liver ultrastructure as influenced by somatotrophic hormone and microsomal enzyme inducers. Garg BD, et al. **Folia Morphol (Praha)** 24(2):203–7, 1976

Effect of hypophysectomy and growth hormone on serum and antral gastrin levels in the rat. Enochs MR, et al. **Gastroenterology** 70(5 PT.1):727–32, May 76

A preliminary investigation of the effect of bovine growth hormone on growth and muscle composition of coho salmon (Oncorhynchus kisutch). Higgs DA, et al. **Gen Comp Endocrinol** 27(2):240–53, Oct 75

Growth characteristics of intact and hypophysectomized female hamsters. The effect of bovine growth hormone on hypophysectomized hamsters. Li CH, et al. **Growth** 39(4):417–26, Dec 75

Effects of growth hormone on sleep-waking patterns in cats. Stern WC, et al. **Horm Behav** 6(2):189–96, Jun 75

Effects of hypophysectomy and acute growth hormone treatment upon glucose metabolism in adipose tissues and isolated adipocytes of rats. Batchelor BR, et al. **Horm Metab Res** 8(1):24–33, Jan 76

Hormonal regulation of net haptoglobin biosynthesis in the isolated perfused rat liver. pp. 441–51. Miller LL. **In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.**

Diurnal fluctuations of plasma lipids and lipoproteins: the influence of corticosteroids and growth hormone. pp. 23–9. Schlierf G. **In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974.**

The hormonal influences on red cell production: physiological significance and mechanism of action. pp. 99–117. Peschle C, et al. **In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.** (54 ref.)

Hormonal regulation on mitochondrial growth, structure, and function. pp. 453–9. Maddaiah VT, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

Regulation of immunologic response by hormones. pp. 271–81. Talwar GP, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

Regulation of receptor concentration by homologous hormone. Effect of human growth hormone on its receptor in IM-9 lymphocytes. Lesniak MA, et al. **J Biol Chem** 251(12):3720–9, 25 Jun 76

The effect of different preparations of human growth hormone on plasma renin activity in normal males. Epstein S, et al. **J Clin Endocrinol Metab** 42(2):390–2, Feb 76

Effects of physiologic levels of glucagon and growth hormone on human carbohydrate and lipid metabolism. Studies involving administration of exogenous hormone during suppression of endogenous hormone secretion with somatostatin. Gerich JE, et al. **J Clin Invest** 57(4):875–84, Apr 76

Effect of growth hormone on growth in immature hypophysectomized pigs. Anderson LL, et al. **J Endocrinol** 68(02):345–6, Feb 76

The effects of hypophysectomy and of bovine growth hormone on the responses to testosterone of prostate, preputial, Harderian and lachrymal glands and of brown adipose tissue in the rat. Ebling FJ, et al. **J Endocrinol** 66(3):401–6, Sep 75

Proceedings: Renal responses of the hypophysectomized rat to infusions of bovine growth hormone. Henderson IW, et al. **J Endocrinol** 67(2):60P–61P, Nov 75

Effects of hypophysectomy and short-term growth hormone replacement on insulin release from and glucose metabolism in isolated rat islets of Langerhans. Parman AU. **J Endocrinol** 67(1):1–17, Oct 75

Changes in insulin content of, and insulin and RNA synthesis in, isolated rat islets of Langerhans after hypophysectomy and short-term growth hormone replacement. Parman AU. **J Endocrinol** 67(1):19–28, Oct 75

Lipolytic response to growth hormone in acutely nephrectomized rats. Schwartz J, et al. **J Endocrinol** 68(3):481–2, Mar 76

Response of mammary tissue from pregnant goats to prolactin and growth hormone in organ culture. Skarda J, et al. **J Endocrinol** 67(1):129–30, Oct 75

A comparison of the metabolic effects of bovine growth hormone and growth factor from Spirometra mansonoides on rat liver in vivo. Veech RL, et al. **J Toxicol Environ Health** 1(5):793–806, May 76

Letter: Intraarticular human growth in osteoarthritis. Le Vay D. **Lancet** 2(7936):666–7, 4 Oct 75

Divergence of growth hormone actions on hepatic drug metabolism in the presence and absence of the pituitary gland. Kramer RE, et al. **Life Sci** 17(5):779–86, 1 Sep 75

Development of responsiveness of young normal rats to growth hormone. Albertsson-Wikland K, et al. **Metabolism** 25(7):747–59, JUL 76

Effect of growth hormone on surface charge and electrophoretic mobility of thymocytes from young and aged rats. Hanjan SN, et al. **Mol Cell Endocrinol** 3(3):185–201, Sep 75

Action of growth hormone on erythropoiesis: changes in red blood cell enzyme activities in growth-retarded patients with and without growth hormone deficiency. Stahnke N, et al. **Pediatr Res** 10(9):802–6, Sep 76

Effects of growth hormone on brain biogenic amine levels. Stern WC, et al. **Pharmacol Biochem Behav** 3(6):1115–8, Nov-Dec 75

Human pituitary growth hormone. 44. Effects of plasmin-modified hormone and its fragments on ornithine decarboxylase activity and lipolysis. Rao AJ, et al. **Proc Soc Exp Biol Med** 151(2):285–7, Feb 76

Comparison of effects of prolactin and growth hormone on adrenal 5alpha-reductase in hypophysectomized rats. Witorsch RJ, et al. **Proc Soc Exp Biol Med** 151(4):689–93, Apr 76

The role of growth hormone in brain development and behavior. Sara VR, et al. **Prog Brain Res** 42:368–9, 1975

The hormonal restoration of the intrinsic contractile function of the atrophic hearts of hypophysectomized rats. Korecky B, et al. **Recent Adv Stud Cardiac Struct Metab** 1:71–80, 1972

The influence of growth hormone on myocardial weight and water fraction in rats. Powis RL. **Recent Adv Stud Cardiac Struct Metab** 8:427–36, 1975

Effect of growth hormone on weight and mitochondrial protein content of rat heart. Gwosdow G, et al. **Res Commun Chem Pathol Pharmacol** 14(4):763–6, Aug 76

Prolongation of gestation by growth hormone: a confounding factor in the assessment of its prenatal action. Croskerry PG, et al. **Science** 189(4203):648–50, 22 Aug 75

[Effects of arginine and growth hormone, administered in vivo and in vitro, on the oxygen consumption of rat liver hemogenates] Poey J, et al. **Biomedicine** 24(1):49–56, Jan 76 (Eng. Abstr.) **(Fre)**

[The effects of arginine and growth hormone on the nitrogen balance of rats] Elsair J, et al. **Biomedicine [Express]** 23(6):201–5, 30 Jun 75 (Eng. Abstr.) **(Fre)**

[Early effects of growth hormone on blood and urinary inorganic phosphorus in the rat (author's transl)] Durand D, et al. **Experientia** 32(1):120–2, 15 Jan 76 (Eng. Abstr.) **(Fre)**

[Are the regulating mechanisms of occlusal adjustment intervening in the control of condylar cartilage growth? (Experiences with the administration of somatotropic hormone and the resection of the septal cartilage in young rats)] Gasson N, et al. **Orthod Fr** 46:77–101, 1975 (Eng. Abstr.) **(Fre)**

[The action of somatotropic hormone on bone and on phospho-calcic metabolism] Asch L. **Rev Rhum Mal Osteoartic** 43(2):149–54, Feb 76 (Eng. Abstr.) **(Fre)**

[Effect of growth hormone on bone tissue in culture] Lipp R. **Med Welt** 26(42):1899–904, 17 Oct 75 **(Ger)**

[The effect of human growth hormone (HGH) on osteoblasts cultures (author's transl)] Lipp R. **Munch Med Wochenschr** 117(36):1413–6, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Experimental investigations of growth hormone depending DNA-synthesis during aging processes (author's transl)] Hübner K, et al. **Verh Dtsch Ges Pathol** 59:281–5, 1975 (Eng. Abstr.) **(Ger)**

[Effect of somatotropin on bone union in experimental mandibular bone defects in the light of histological examinations] Zieliński S, et al. **Pol Przegl Chir** 47(10):1225–32, Oct 75 (Eng. Abstr.) **(Pol)**

[Significance of growth hormone for the regulation of ribonuclease activity in rat plasma (author's transl)] Bożkowa K, et al. **Probl Med Wieku Rozwoj** 5:23–7, 1975 (Eng. Abstr.) **(Pol)**

[Reactivity of peripheral blood lymphocytes in children with pituitary dwarfism treated with human growth hormone (author's transl)] Kunicka A, et al. **Probl Med Wieku Rozwoj** 5:155–60, 1975 (Eng. Abstr.) **(Pol)**

[Effect of somatotropin on the morphology of Langerhans islets in young and adult guinea pigs] Bajko K, et al. **Rocz Akad Med Bialymstoku** 20:63–78, 1975 (Eng. Abstr.) **(Pol)**

[Effect of growth hormone on protein phosphorylation in rat liver chromatin] Ralchev KKh, et al. **Biokhimiia** 40(6):1261–8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Stimulation of cellular immunity and immunologic memory be somatotropic hormone] Shemerovskaia TG, et al. **Biull Eksp Biol Med** 79(5):78–80, May 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Seasonal changes in pituitary prolactin and growth hormone content of field voles in different reproductive states (Microtus arvalis Pall., Rodentia). Vadász C. **Acta Biol Acad Sci Hung** 25(3):227–9, 1974

Evidence for the role of growth hormone as a part of a 'light-pituitary axis' in growth and smoltification of Atlantic salmon (Salmo salar). Komourdjian MP, et al. **Can J Zool** 54(4):544–51, Apr 76

Growth-promoting actions of peptide hormones. Tata JR. **Ciba Found Symp** 41:297–312, 1976 (57 ref.)

Hormonal effects on the morphology of bone defect healing. Tylkowski CM, et al. **Clin Orthop** (115):274–85, Mar-Apr 76

Pulsatile growth hormone release in the rat: failure to demonstrate a correlation with sleep phases. Willoughby JO, et al. **Endocrinology** 98(4):991–6, Apr 76

Compensatory hypertrophy in radiothyroidectomized dwarf rats. Nagy I, et al. **Endokrinologie** 65(3):340–7, 1975

Human growth hormone and somatomedin. pp. 114–33. Bala RM. **In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973.** (76 ref.)

Hormonal interactions in carbohydrate metabolism. Geser CA. **Int J Vitam Nutr Res** (15):58–65, 1976

Body weight and the pituitary response to hypothalamic releasing hormones in patients with anorexia nervosa. Beumont PJ, et al. **J Clin Endocrinol Metab** 43(3):487–96, Sep 76

Role of the gonads in hypertension-prone rats. Dahl LK, et al. **J Exp Med** 142(3):748–59, 1 Sep 75

Conference on the structure-function relationships of pituitary growth hormone: a report. Kostyo JL, et al. **Metabolism** 25(1):105–24, Jan 76

Human pituitary growth hormone: restoration of full biological activity by noncovalent interaction of two fragments of the hormone. Li CH, et al. **Proc Natl Acad Sci USA** 73(5):1476–9, May 76

Hormonal interrelations and their clinical significance. Growth hormone and insulin. Sönksen PH. **Proc R Soc Med** 68(11):707–9, Nov 75

Growth hormone in cardiac hypertrophy induced by nephrogenous hypertension. Powis RL. **Recent Adv Stud Cardiac Struct Metab** 8:413–25, 1975

Mechanism of action of pituitary growth hormone. Talwar GP, et al. **Recent Prog Horm Res** 31:141–74, 1975 (80 ref.)

[Hypothalamo-hypophysial-thymic axis in the rat] Deschaux P, et al. **Arch Int Physiol Biochim** 83(3):423–34, Aug 75 (Eng. Abstr.) **(Fre)**

[Biological significance of the rotation of posterior or anterior growth of the mandible] Petrovic A, et al. **Rev Stomatol Chir Maxillofac** 77(2):413–5, Mar 76 **(Fre)**

[Mechanism of gastrin secretion in response to insulin-induced hypoglycemia: data on possible somatotropin mediation] Ferraù O, et al. **Boll Soc Ital Biol Sper** 51(8):461–5, 15 Apr 75 **(Ita)**

[8 cases of pituitary dwarfism associated with hypothyroidism, with special reference to GH and its relation to thyroid functions] Ishihara M, et al. **Clin Endocrinol (Tokyo)** 23(11):1113–7, Nov 75 **(Jpn)**

SECRETION

Effect of ageing on insulin and growth hormone response to glucose and arginine in normal subjects. Viberti G, et al. **Acta Diabetol Lat** 11(6):432–6, Nov-Dec 74

The stimulation of growth hormone release by ACTH and its inhibition by somatostatin. Köbberling J, et al. **Acta Endocrinol (Kbh)** 81(2):263–9, Feb 76

Conventional pituitary irradiation in acromegaly. Effect on growth hormone and TSH secretion. Lamberg BA, et al. **Acta Endocrinol (Kbh)** 82(2):267–81, Jun 76

Studies on the postponed growth hormone secretion following the infusion of somatostatin. Lucke C, et al. **Acta Endocrinol (Kbh)** 82(3):460–6, Jul 76

Growth hormone release following thyrotrophin-releasing hormone injection into patients with anorexia nervosa. Maeda K, et al. **Acta Endocrinol (Kbh)** 81(1):1–8, Jan 76

Inhibitory role of the serotoninergic system in hypoglycaemia-induced growth hormone release in the dog. Müller EE, et al. **Acta Endocrinol (Kbh)** 82(1):71–91, May 76

Lack of effect of hyperglycaemia on apomorphine induced growth hormone release in normal man. Nilsson KO. **Acta Endocrinol (Kbh)** 80(2):230–6, Oct 75

The interaction of growth hormone, somatomedin and oestrogen in patients with Turner's syndrome. Saenger P, et al. **Acta Endocrinol (Kbh)** 81(1):9–18, Jan 76

Fanconi's anemia. II. Are multiple endocrine insufficiencies a substantial part of the disease? Stubbe P, et al. **Acta Paediatr Scand** 64(6):790–4, Nov 75

Influence of the hypophysis on mitochondrial protein synthesis. de Favelukes SS, et al. **Acta Physiol Lat Am** 25(2):107–11, 1975

The effect of L-dopa and chlorpromazine on prolactin and growth hormone secretion in normal women. Leblanc H, et al. **Am J Obstet Gynecol** 126(2):162–4, 15Sep 76

Kinetics of protein synthesis and release in the STH-cell of the mouse anterior pituitary as revealed by electron microscopic autoradiography of 3H-amino acids. Hiura M, et al. **Arch Histol Jpn** 38(5):347–57, Feb 76

Growth hormone response to insulin and to arginine in patients with familial hypercholesterolaemia. Muggeo M, et al. **Atherosclerosis** 22(3):543–50, Nov-Dec 75

Prolactin, thyrotropin, and growth hormone release during stress associated with parachute jumping. Noel GL, et al. **Aviat Space Environ Med** 47(5):534–7, May 76

Colchicine binding to bovine anterior pituitary slices and inhibition of growth-hormone release. Sheterline P, et al. **Biochem J** 148(3):435–59, Jun 75

Effect of cyproheptadine on the spontaneous diurnal variations of plasma ACTH-cortisol and ACTH-GH secretion induced by l-dopa. Delitala G, et al. **Biomedicine [Express]** 23(10):406–9, 20 Dec 75

Growth hormone release by glycine injected intravenously in 22 healthy sexually immature children. Popa M, et al. **Biomedicine [Express]** 23(4):131–3, 30 Apr 75

Ultrastructural observaitons of growth hormone (STH) cells of anterior pituitary glands of partially hepatectomized rats. Shiino M, et al. **Cell Tissue Res** 163(3):343–51, 12 Nov 75

Inhibitory effect of serotonin antagonists on growth hormone release in acromegalic patients. Feldman JM, et al. **Clin Endocrinol (Oxf)** 5(1):71–8, Jan 76

Hypothalamic hormone interaction in acromegaly. Gomez-Pan A, et al. **Clin Endocrinol (Oxf)** 4(5):455–60, Sep 75

The effect of varying doses of cerebral irradiation on growth hormone production in childhood. Shalet SM, et al. **Clin Endocrinol (Oxf)** 5(3):287–90, May 76

Studies on growth hormone secretion. VII. Effects of somatostatin on plasma GH, insulin, and glucagon in sheep. Bryce D, et al. **Diabetes** 24(9):842–50, Sep 75

Effect of physical exercise on secretion of growth hormone, glucagon, and cortisol in obese and diabetic children. Garlaschi C, et al. **Diabetes** 24(8):758–61, Aug 75

Suppressive effect of cyproheptadine on L-DOPA-induced growth hormone release in man. Nakai Y, et al. **Endocrinol Jpn** 22(4):357–60, Aug 75

Effects of CB-154 (2-Br-alpha-ergocryptine) on prolactin and growth hormone release in an acromegalic patient with galactorrhea. Ueda G, et al. **Endocrinol Jpn** 22(3):265–8, Jun 75

Neurotransmitter regulation of growth hormone and ACTH in the rhesus monkey: effects of biogenic amines. Chambers JW, et al. **Endocrinology** 98(2):420–8, Feb 76

Effects of hyperthyroidism and hypothyroidism on rat growth hormone release induced by thyrotropin-releasing hormone. Chihara K, et al. **Endocrinology** 98(6):1396–400, Jun 76

Immediate release of prolactin and biphasic effects on growth hormone release following electrical stimulation of the median eminence. Malven PV. **Endocrinology** 97(4):808–15, Oct 75

Prolactin and growth hormone secretion in chemically induced and genetically obese mice. Sinha YN, et al. **Endocrinology** 97(6):1386–93, Dec 75

Basal and dibutyryl cyclic AMP-stimulated release of newly synthesized and stored growth hormone from perifused rat pituitaries. Stachura ME. **Endocrinology** 98(3):580–9, Mar 76

Influence of synthetic somatostatin upon growth hormone release from perifused rat pituitaries. Stachura ME. **Endocrinology** 99(3):678–83, Sep 76

Evidence for an endogenous ultradian rhythm governing growth hormone secretion in the rat. Tannenbaum GS, et al. **Endocrinology** 98(3):562–70, Mar 76

Stimulation of growth hormone release by thyrotropin-releasing hormone in the hypophysectomized rat bearing an ectopic pituitary. Udeschini G, et al. **Endocrinology** 98(3):807–14, Mar 76

Modifications in the release of rat growth hormone in vitro

and the morphology of rat anterior pituitaries incubated in various ionophores. Mira-Moser F, et al. **Eur J Clin Invest** 6(1):103-11, 30 Jan 76

Effect of lipids on insulin, growth hormone and exocrine pancreatic secretion in man. Raptis S, et al. **Eur J Clin Invest** 5(6):521-6, 21 Nov 75

Diabetes mellitus in gonadal dysgenesis: studies of insulin and growth hormone secretion. Rasio E, et al. **Eur J Clin Invest** 6(1):59-66, 30 Jan 76

Comparative HGH response to i.v. glucagon and i.v. arginine stimulation tests in children and adolescents. Josefsberg Z, et al. **Eur J Pediatr** 121(2):149-54, 2 Jan 76

Effects of thyrotropin-releasing hormone on prolactin, growth hormone and corticosterone secretions in adult male rats treated with pentobarbital or morphine. Collu R, et al. **Eur J Pharmacol** 37(1):133-40, May 76

Relative effects of somatostatin and two somatostatin analogues on the release of insulin, glucagon and growth hormone. Efendić S, et al. **FEBS Lett** 58(1):302-5, 15 Oct 75

Growth hormone: aspects of the regulation of human growth hormone secretion. pp. 489-97. Burger H. **In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.** (66 ref.)

Investigations of growth hormone secretion in man. pp. 499-513. Illig R. **In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.**

Growth hormone secretion in schizophrenia. pp. 13-7. Brambilla F, et al. **In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.**

Role of monoamines in the control of growth hormone and prolactin secretion in man and rats. pp. 243-50. Imura H, et al. **In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.**

Growth hormone and cortisol secretion during nocturnal sleep in narcoleptics and in dogs. pp. 67-76. Takahashi K, et al. **In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.**

Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. pp. 303-20. Willoughby JO, et al. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.** (47 ref.)

Chronobiological study of growth hormone secretion in man: its relation to sleep-wake cycles and to increasing age. pp. 81-7. D'Agata R, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Under-responsiveness of growth hormone secretion after L-dopa and deep sleep stimulation in obese subjects. Laurian L, et al. **Isr J Med Sci** 11(5):482-7, May 75

Establishment in culture of a multihormone-secreting cell strain derived from the MtT/F4 rat pituitary tumor. Richardson UI. **J Cell Physiol** 88(3):287-96, July 76

Influence of L-prolyl-L-leucyl-glycine amide on growth hormone secretion in normal and acromegalic subjects. Faglia G, et al. **J Clin Endocrinol Metab** 42(5):991-4, May 76

Suppression by thyrotropin-releasing hormone (TRH) of growth hormone release induced by arginine and insulin-induced hypoglycemia in man. Maeda K, et al. **J Clin Endocrinol Metab** 43(2):453-6, Aug 76

Diet-induced alterations of hGH secretion in man. Merimee TJ, et al. **J Clin Endocrinol Metab** 62(5):931-7, May 76

Acute and chronic estrogen effects upon serum somatomedin activity, growth hormone, and prolactin in man. Wiedemann E, et al. **J Clin Endocrinol Metab** 42(5):942-52, May 76

Suppression by cyproheptadine of human growth hormone and cortisol secretion during sleep. Chihara K, et al. **J Clin Invest** 57(6):1393-402, Jun 76

Suppression of sleep-related prolactin secretion and enhancement of sleep-related growth hormone secretion. Mendelson WB, et al. **J Clin Invest** 56(3):690-7, Sep 75

Effects of growth hormone inhibiting factor (somatostatin) on the release of growth hormone and prolactin from pituitaries of the domestic fowl in vitro. Hall TR, et al. **J Endocrinol** 68(1):163-4, Jan 76

Influence of serum free fatty acid levels on growth hormone secretion in lactating cows. Reynaert R, et al. **J Endocrinol** 66(2):213-24, Aug 75

Growth hormone secretion and sulfation factor activity in pseudohypoparathyroidism. Urdanivia E, et al. **J Lab Clin Med** 86(5):772-6, Nov 75

The glucagon stimulation test in normal Thai children : Effect on blood glucose, growth hormone and insulin. Preeyasombat C, et al. **J Med Assoc Thai** 58(9):459-64, Sep 75

Nocturnal growth hormone secretion in acromegaly and obesity without electroencephalographic monitoring. Mims RB, et al. **J Natl Med Assoc** 68(3):206-10, May 76

Altered growth hormone release in Huntington's chorea. Keogh HJ, et al. **J Neurol Neurosurg Psychiatry** 39(3):244-8, Mar 76

Provocative tests for growth hormone release. Tze WJ, et al. **J Pediatr** 88(4 Pt. 1):565-8, Apr 76

Evaluation of growth hormone release in children using arginine and L-dopa in combination. Weldon VV, et al. **J Pediatr** 87(4):540-4, Oct 75

Letter: Radiation and pituitary function in children. Dacou-Voutetakis C, et al. **Lancet** 2(7946):1206-7, 13 Dec 75

Dopamine and inhibition of prolactin and growth-hormone secretion. Massara F, et al. **Lancet** 1(7965):913, 24 Apr 76

Letter: Growth-hormone responses in Parkinson's disease. Parkes JD, et al. **Lancet** 1(7957):483-4, 28 Feb 76

Letter: Dopamine and inhibition of prolactin and growth-hormone secretion. Thorner MO, et al. **Lancet** 1(7959):588, 13 Mar 76

Dissociation of somatostatin effects. Peptides inhibiting the release of growth hormone but not glucagon or insulin in rats. Grant N, et al. **Life Sci** 19(5):629-31, 1 Sep 76

Growth hormone and prolactin release by substance P in rats. Kato Y, et al. **Life Sci** 19(3):441-6, 1 Aug 76

Effect of protein intake and dialysis on the abnormal growth hormone, glucose, and insulin homeostasis in uremia. Davidson MB, et al. **Metabolism** 25(4):455-64, Apr 76

Effect of insulin induced hypoglycemia on ACTH, cortisol, and growth hormone release in man. Allen JP, et al. **Milit Med** 140(12):837-40, Dec 75

Treatment of Parkinson's disease with aporphines. Possible role of growth hormone. Cotzias GC, et al. **N Engl J Med** 294(11):567-72, 11 Mar 76

Letter: Somatostatin, growth hormone and parkinsonism. Cotzias GC, et al. **N Engl J Med** 294(7):398, 12 Feb 76

Letter: Parkinsonism, growth hormone and prolactin. Horrobin DF. **N Engl J Med** 294(24):1347, 10 Jun 76

Effects of drugs influencing brain catecholamines on GH release in rats with hypothalamic surgery. Chihara K, et al. **Neuroendocrinology** 18(2):192-203, 1975

An ultrastructural and radioimmunoassay study of anterior pituitary somatotrophs following pituitary portal vessel infusion of growth hormone releasing factor. Wilbur DL, et al. **Neuroendocrinology** 19(1):12-27, 1975

Growth hormone and prolactin secretion of pituitary adenoma. Yoshida J, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:13-21, 1975

Growth hormone secretion in chronic schizophrenia. Brambilla F, et al. **Neuropsychobiology** 1(5):267-76, 1975

Growth hormone release during sleep and with thermal stimulation in depressed patients. Schilkrut R, et al. **Neuropsychobiology** 1(2):70-9, 1975

Growth hormone secretion in insulin-independent pregnant diabetics. Notelovitz M, et al. **Obstet Gynecol** 47(4):449-53, Apr 76

Effect of adrenergic blockade on glucagon and growth hormone secretion in normal and diabetic children. Sperling MA, et al. **Pediatr Res** 9(9):748-52, Sep 75

Stimulation of growth hormone secretion by levodopa-propranolol in children and adolescents. **Pediatrics** 56(2):262-6, Aug 75

Secretion of growth hormone in the insulin test, and the development of diabetic microangiopathy. Sieradzki J. **Pol Med Sci Hist Bull** 15(2):191-6, Apr-Jun 76

Secretion of growth hormone in the insulin test in various forms of diabetes. Sieradzki J, et al. **Pol Med Sci Hist Bull** 15(2):185-90, Apr-Jun 76

Phencyclidine sedation as a technique for handling rhesus monkeys: effects on LH, GH, and prolactin secretion. Ferin M, et al. **Proc Soc Exp Biol Med** 151(2):428-33, Feb 76

Studies of growth hormone secretion VIII. Effects of alpha,beta-methylene-ATP on prostglandin induced GH release and cyclic AMP accumlation in rat anterior pituitary glands. Hertelendy F, et al. **Prostaglandins** 11(2):285-91, Feb 76

Stress-induced growth hormone release: psychologic and physiologic correlates. Brown WA, et al. **Psychosom Med** 38(2):145-7, Mar-Apr 76

Pulsatile growth hormone secretion: suppression by hypothalamic ventromedial lesions and by long-acting somatostatin. Martin JB, et al. **Science** 186(4163):538-40, 8 Nov 74

Antiserum to somatostatin prevents stress-induced inhibition of growth hormone secretion in the rat. Terry LC, et al. **Science** 192(4239):565-7, 7 May 76

Human growth hormone. Hamilton W. **Scott Med J** 20(5):197-200, Sep 75

Transplantable, STH-producing and diabetogenic pituitary adenoma of the BD IX-strain of rats. Stekar J. **Z Krebsforsch** 85(3):277-86, 19 Mar 76

[Mechanism of somatotropin hormone secretion and a test for its evaluation] Maleeva A, et al. **Vutr Boles** 14(4):11-6, 1975 **(Bul)**

[Secretions of GH, FSH and LH during sleep of the normal child and the child with retarded growth] Besset A, et al. **C R Soc Biol (Paris)** 169(6):1551-61, 1975 (Eng. Abstr.) **(Fre)**

[Heterogeneity of human growth hormone in cultures of pituitary adenomas] Binoux M, et al. **Pathol Biol (Paris)** 23(10):835-9, Dec 75 (Eng. Abstr.) **(Fre)**

[Drug regulation of growth hormone] Schaison G, et al. **Therapie** (4):519-34, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[Endocrinological results in the treatment of acromegaly through selective, transethmoid-transsphenoid extirpation of the tumor] Knappe G, et al. **Endokrinologie** 63(3):337-47, 1974 (Eng. Abstr.) **(Ger)**

[Morphologic and morphometric studies on the prolactin and STH cells of the adenohypophysis of milked and unmilked cows)] Schneider B. **Endokrinologie** 66(3):255-67, Dec 75 (Eng. Abstr.) **(Ger)**

[HGH secretion after oral application of L-dopa and L-carbidopa (author's transl)] Schönberger W, et al. **Eur J Pediatr** 122(3):195-200, 8 Jun 76 (Eng. Abstr.) **(Ger)**

[Stimulation of growth hormone and prolactin secretion with TRH in acromegaly (author's transl)] von Werder K, et al. **Klin Wochenschr** 54(7):335-8, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Physiology and pathophysiology of somatotropin secretion in childhood. II] Petrykowski WV. **Med Monatsschr** 30(3):112-7, Mar 76 **(Ger)**

[Physiology and pathophysiology of juvenile growth hormone secretion] von Petrykowski W. **Med Monatsschr** 30(2):54-8, Feb 76 **(Ger)**

[Effect of somatostatin and bromocriptin (CB-154) on growth hormone secretion in acromegaly] Althoff PH, et al. **Verh Dtsch Ges Inn Med** 81:1515-20, 1975 **(Ger)**

[Spontaneous diurnal variations as well as the effect of TRH, MIH and LH-RH on growth hormone secretion in active acromegaly] Heesen D, et al. **Verh Dtsch Ges Inn Med** 81:1521-3, 1975 **(Ger)**

[Inhibition of endotoxin-, hyperthermia- as well as arginine-induced growth hormone secretion due to somatostatin in healthy subjects and insulin-dependent diabetics] Wagner H, et al. **Verh Dtsch Ges Inn Med** 81:1523-8, 1975 **(Ger)**

[Behavior of HGH in diabetic and arteriosclerotic arteriopathies in response to physical exercise] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1950-6, 30 Dec 75 **(Ita)**

[Sodium bicarbonate as a stimulating agent of secretion of plasma human growth hormone] Matteini M, et al. **Boll Soc Ital Biol Sper** 51(17):1018-24, 15 Sep 75 **(Ita)**

[Effects of adrenergic blocking agents on HGH secretion after administration of L-Dopa] Ragonese F, et al. **Boll Soc Ital Biol Sper** 51(24):1969-74, 30 Dec 75 **(Ita)**

[Effects of heparin on HGH secretion after intravenous administration of tolbutamide in normal subjects] Ragonese F, et al. **Boll Soc Ital Biol Sper** 51(24):1975-9, 30 Dec 75 **(Ita)**

[Effect of carbidopa and L-dopa combination on the secretion of growth hormone in normal subjects and in patients with Parkinsonism] Nurzia A, et al. **Clin Ter** 74(3):265-70, 15 Aug 75 **(Ita)**

[Clinical studies on the activation of the GH-secreting system in man] Saba P, et al. **Clin Ter** 74(5):425-33, 15 Sep 75 **(Ita)**

[The sleep-wakefulness biorhythm of somatotropin secretion in man under normal and pathological conditions] Giordano G, et al. **Folia Endocrinol (Roma)** 27(1):42-69, Feb 74 (104 ref.) **(Ita)**

[Changes in the secretion of somatotropin and insulin in hyperthyroidism] Cavagnini F, et al. **Quad Sclavo Diagn** 11(2):372-81, Jun 75 (Eng. Abstr.) **(Ita)**

[Changes in growth hormone secretion in various intracranial diseases] Tanabe S, et al. **Clin Endocrinol (Tokyo)** 23(3):243-50, Mar 75 **(Jpn)**

[Investigations of growth hormone secretion in diabetic children (author's transl)] Otto-Buczkowska E, et al. **Przegl Lek** 32(9):696-701, 1975 (Eng. Abstr.) **(Pol)**

[Somatotrophic function of the hypophysis during pregnancy and labor] Bagramian ER, et al. **Akush Ginekol (Mosk)** (7):20-4, Jul 75 (Eng. Abstr.) **(Rus)**

[Change in secretion of somatotropic hormone and insulin in myocardial infarct] Rylova AK. **Kardiologiia** 15(9):100-3, Sep 75 (Eng. Abstr.) **(Rus)**

[Autoregulation of the somatic function of the adenohypophysis in intact and thyroidectomized rats] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 21(4):57-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[HGH response to dihydroxyphenylalanine (L-dopa) (author's transl)] Del Valle Núñez CJ, et al. **An Esp Pediatr** 9(2):174-9, Mar-Apr 76 (Eng. Abstr.) **(Spa)**

[The secretion of somatotropin, the axis hipophysis-thyroid, hypophysis-gonad, hypophysis-adrenal of the child in normal and pathological conditions (author's transl)] Bulgarelli R. **Folia Clin Int (Barc)** 25(5):301-14, May 75 **(Spa)**

[Secretion of growth hormone in acromegaly] Barceló B, et al. **Rev Clin Esp** 141(1):19-25, 15 Apr 76 (Eng. Abstr.) **(Spa)**

[Effect of L-dopa and propranolol administration on GH secretion in essential obesity in women] Cabezas-Cerrato J, et al. **Rev Clin Esp** 137(6):497-502, 30 Jun 75 (Eng. Abstr.) **(Spa)**

[Secretion of growth hormone in presumed pituitary dwarfism of a part of the population of the province of Las Palmas] Rodríguez Doreste OL, et al. **Rev Clin Esp** 138(5):457-9, 15 Sep 75 (Eng. Abstr.) **(Spa)**

[Secretion of growth hormone in hyperthyroidism] Hervás F, et al. **Rev Iber Endocrinol** 23(134):147-55, Mar-Apr 76 (Eng. Abstr.) **(Spa)**

[Dynamics of growth hormone secretion in patients with primary hypothyroidism, before and after treatment with thyroideal hormones] Hervás F, et al. **Rev Iber Endocrinol** 23(135):263-73, May-Jun 76 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Growth hormone in osteoporosis. Haas HG, et al. **Calcif Tissue Res** 21 Suppl:467-8, Aug 76

Growth hormone treatment in hypopituitary dwarfs:

longitudinal psychological effects. Kusalic M, et al. **Can Psychiatr Assoc J** 20(5):325–31, Aug 75

Intermittent treatment with human growth hormone (GH) in isolated GH deficiency and in multiple pituitary hormone deficiencies. Pertzelan A, et al. **Clin Endocrinol (Oxf)** 5(1):15–24, Jan 76

On an attempt to treat primary and secondary osteoporosis with human growth hormone. Kruse HP, et al. **Horm Metab Res** 7(6):488–91, Nov 75

Testosterone–estradiol–binding globulin in patients with Turner's syndrome: effects of estrogens and acute growth hormone administration. Bergink EW, et al. **J Clin Endocrinol Metab** 42(6):1018–23, Jun 76

LH and FSH responsiveness to intravenous gonadotropin–releasing hormone (GnRH) in children with hypothalamic or pituitary disorders: lack of effect of replacement therapy with human growth hormone. Kelch RP, et al. **J Clin Endocrinol Metab** 42(6):1104–13, Jun 76

Laron dwarfism: growth and immunoreactive insulin following treatment with human growth hormone. Clemons RD, et al. **J Pediatr** 88(3):427–33, Mar 76

Growth, body weight and bone maturation in children with hyposomatotrophic dwarfism under treatment with human growth hormone. Rybak M, et al. **Mater Med Pol** 8(1):21–5, Jan–Mar 76

Effect of phosphate supplementation, thyrocalcitonin, and growth hormone on strength of fracture healing. Harris JM 3d, et al. **Surg Forum** 26:519–21, 1975

[Proceedings: The clinical effects of human growth hormone. Report on an international symposium of the German Kabi Corp. on February 15, 1975 in Munich] Butenandt O. **Fortschr Med** 93(25):1142–4, 11 Sep 75 (Eng. Abstr.) **(Ger)**

[Human growth hormone in fractures of long bones with delayed fracture healing. Fractures of tibial diaphysis and other bone injuries] Koskinen EV, et al. **Med Welt** 26(42):1905–10, 17 Oct 75 **(Ger)**

[Treatment of pituitary growth retardation. Own experience with 32 patients (author's transl)] Zuppinger K, et al. **Praxis** 64(35):1101–13, 2 Sep 75 (Eng. Abstr.) **(Ger)**

[Response to treatment with HGH (human growth hormone) in 33 patients with idiopathic hypopituitarism] Cacciari E, et al. **Minerva Pediatr** 27(36):1991–8, 17 Nov 75 (Eng. Abstr.) **(Ita)**

SOMATOTROPIN RELEASE INHIBITING HORMONE

Isolation and structure of somatostatin from porcine hypothalami. Schally AV, et al. **Biochemistry** 15(3):509–14, 10 Feb 76

The intriguing story of somatostatin. Reitsma WD. **Neth J Med** 19(1):1–4, 1976

Somatostatin conformation: evidence for a stable intramolecular structure from circular dichroism, diffusion, and sedimentation equilibrium. Holladay LA, et al. **Proc Natl Acad Sci USA** 73(4):1199–202, Apr 76

Hypertrophy and hyperplasia of somatostatin–containing D–cells in diabetes. Orci L, et al. **Proc Natl Acad Sci USA** 73(4):1338–42, Apr 76

Somatostatin. Vale W, et al. **Recent Prog Horm Res** 31:365–97, 1975 (74 ref.)

Somatostatin, more than a third pancreatic hormone. Efendić S, et al. **Rev Invest Clin** 28(02):183–99, Apr–Jun 76

[Immunofluorescence demonstration and distribution of somatostatin (SRIF) in the median eminence of vertebrates (mammals, birds, amphibia, fishes)] Dubois MP, et al. **C R Acad Sci [D] (Paris)** 279(25):1899–902, 16 Dec 74 **(Fre)**

[Hypothalamic therapies. Conclusions] Lemarchand–Beraud T. **Therapie** (4):535–8, Jul–Aug 75 **(Fre)**

[Somatostatin—chemical structure, function and clinical use] Sawano S, et al. **Jpn J Clin Med** 34(3):620–6, 1976 (34 ref.) **(Jpn)**

ANALOGS & DERIVATIVES

Studies on peptides. LVI. Synthesis of N1–tyr–somatostatin. Fujii N, et al. **Chem Pharm Bull (Tokyo)** 23(10):2446–9, Oct 75

Biological activity of somatostatin and somatostatin analogs on inhibtion of arginine–induced insulin and glucagon release in the rat. Brown M, et al. **Endocrinology** 98(2):336–43, Feb 76

Relative effects of somatostatin and two somatostatin analogues on the release of insulin, glucagon and growth hormone. Efendić S, et al. **FEBS Lett** 58(1):302–5, 15 Oct 75

Analogs of somatostatin. Part B. Prolongation of action with protamine zinc. pp. 379–86. Brazeau P, et al. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.**

Analogs of somatostatin. Part A. Chemistry and in vitro results. pp. 373–8. Immer H, et al. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.**

Inhibition by six somatostatin analogs of plasma growth hormone levels stimulated by thiamylal and morphine in the rat. Ferland L, et al. **Mol Cell Endocrinol** 4(2):79–88, Jan 76

Correlation between biological potency and biodegradation of a somatostatin analogue. Marks N, et al. **Nature** 261(5560):511–2, 10 Jun 76

ANALYSIS

Immunocytochemical localization of somatostatin in cell bodies of the rat hypothalamus. Elde RP, et al. **Am J Anat** 144(4):541–8, Dec 75

Somatostatin content of the hypothalamic ventromedial and arcuate nuclei and the circumventricular organs in the rat. Palkovits M, et al. **Brain Res** 109(2):430–4, 11 Jun 76

Immunohistochemical detection of growth hormone–release inhibiting hormone (somatostatin) in the guinea–pig brain. Dubé D, et al. **Cell Tissue Res** 161(3):385–92, 25 Aug 75

Gastrointestinal somatostatin cells in the human fetus. Dubois PM, et al. **Cell Tissue Res** 166(2):179–84, 12 Feb 76

Immuno–fluorescent reactivity to anti–somatostatin in the gastro–intestinal mucosa of the dog. Rufener C, et al. **Diabetologia** 11(4):321–4, Aug 75

High concentration of somatostatin immunoreactivity in chicken pancreas. Weir GC, et al. **Diabetologia** 12(2):129–32, May 76

Immunohistochemical localization of hypothalamic hormones at the electron microscope level. pp. 433–50. Pelletier G. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.** (23 ref.)

Proceedings: Localization of substance P, somatostatin, pancreatic polypeptide and skin peptides. Polak JM. **J Endocrinol** 70(1):13P–14P, Jul 76

Pancreatic islet cell hormones distribution of cell types in the islet and evidence for the presence of somatostatin and gastrin within the D cell. Erlandsen SL, et al. **J Histochem Cytochem** 24(7):883–97, Jul 76 (72 ref.)

Central and peripheral localization of somatostatin. Immunoenzyme immunocytochemical studies. Parsons JA, et al. **J Histochem Cytochem** 24(7):872–82, Jul 76

Letter: Immunohistochemical localization of somatostatin in the rat pancreas. Pelletier G, et al. **J Histochem Cytochem** 23(9):699–702, Sep 75

Immunohistochemical localization of hypothalamic hormones. Pelletier G, et al. **J Histochem Cytochem** 24(7):864–71, Jul 76

Letter: Ultrastructural immunocytochemical localization of somatostatin in rat pancreatic monolayer culture. Rufener C, et al. **J Histochem Cytochem** 23(11):866–9, Nov 75

Immunohistochemical localization of somatostatin in endocrine cells of the rat stomach. Leclerc R, et al. **Mol Cell Endocrinol** 4(4):257–61, Mar 76

[Ultrastructural identification and immunocytochemical study of somatostatin cells in antral mucosa of the rabbit and the mouse (author's transl)] L'Hermite A, et al. **Histochemistry** 47(1):31–41, 21 Apr 76 (Eng. Abstr.) **(Fre)**

[Ultrastructural localization of hypothalamic hormones] Pelletier G, et al. **Union Med Can** 104(3):355–62, Mar 75 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Phentolamine blocks the somatostatin–mediated inhibition of insulin secretion. Smith PH, et al. **Endocrinology** 98(4):1073–6, Apr 76

CHEMICAL SYNTHESIS

Studies on peptides. LII. Application of the trifluoromethanesulphonic acid procedure to the synthesis of a peptide with somatostatin activity. Fujii N, et al. **Chem Pharm Bull (Tokyo)** 23(7):1596–603, Jul 75

DIAGNOSTIC USE

Studies on the postponed growth hormone secretion following the infusion of somatostatin. Lucke C, et al. **Acta Endocrinol (Kbh)** 82(3):460–6, Jul 76

The effect of somatostatin on TSH levels in patients with primary hypothyroidism. Lucke C, et al. **J Clin Endocrinol Metab** 41(06):1082–4, Dec 75

[Behavior of plasma glucagon in experimental fasting and somatostatin test in islet cell tumors] Drost H, et al. **Med Welt** 27(28):1381–3, 9 Jul 76 **(Ger)**

IMMUNOLOGY

Immunohistochemical localization of somatostatin in endocrine cells of the rat stomach. Leclerc R, et al. **Mol Cell Endocrinol** 4(4):257–61, Mar 76

METABOLISM

Cellular localization of somatostatin in endocrine–like cells and neurons of the rat with special references to the A1–cells of the pancreatic islets and to the hypothalamus. Hökfelt T, et al. **Acta Endocrinol [Suppl] (Kbh)** 80(200):5–41, 1975

The organ distribution of 131I–tyrosyl somatostatin. Bardfeld PA, et al. **Br J Radiol** 49(580):381–2, Apr 76

Somatostatin—clinical implications. **Ciba Found Symp** 41:313–50, 1976

Increased somatostatin content of islets from streptozotocin–diabetic rats. Patel YC, et al. **Clin Endocrinol (Oxf)** 5(2):191–4, Mar 76

Somatostatinergic neurons in anterior hypothalamus: immunohistochemical localization. Alpert LC, et al. **Endocrinology** 98(1):255–8, Jan 76

Ultrastructural localization of somatostatin in pancreatic islets of the rat. Goldsmith PC, et al. **Endocrinology** 97(4):1061–4, Oct 75

Proceedings: Studies on gastric D cell pathology. Polak JM, et al. **Gut** 17(5):400–1, May 76

Proceedings: The presence of somatostatin–inactivating peptidases in the hypothalamus and other brain areas of the rat. Griffiths EC, et al. **J Physiol (Lond)** 259(1):50P–51P, Jul 76

The influence of hypophysectomy on the stores of somatostatin in the hypothalamuu and pituitary stem. Baker BL, et al. **Proc Soc Exp Biol Med** 151(3):599–602, Mar 76

Somatostatin: abundance of immunoreactive hormone in rat stomach and pancreas. Arimura A, et al. **Science** 189(4207):1007–9, 19 Sep 75

[Activity of somatostatin–containing cells of the Ilets of Langerhans in experimental diabetes] Orci L, et al. **C R Acad Sci [D] (Paris)** 281(23):1883–5, 15 Dec 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

The effect of somatostatin on plasma insulin and growth hormone levels in basal conditions and after glucagon in normal and acromegalic subjects. Massara F, et al. **Acta Diabetol Lat** 12(3–4):219–31, May–Aug 75

Effect of somatostatin on basal and glucose induced insulin release in five patients with hyperinsulinaemia. Efendić S, et al. **Acta Endocrinol (Kbh)** 81(3):525–9, Mar 76

Studies on the mechanism of somatostatin action on insulin release in man. II. Comparison of the effects of somatostatin on insulin release induced by glucose, glucagon and tolbutamide. Efendić S, et al. **Acta Endocrinol (Kbh)** 1(4):743–52, Apr 76

Studies on the mechanism of somatostatin action on insulin release. III. Effect of somatostatin on arginine induced release of insulin ang glucagon in man and perfused rat pancreas. Efendić S, et al. **Acta Endocrinol (Kbh)** 1(4):753–61, Apr 76

The stimulation of growth hormone release by ACTH and its inhibition by somatostatin. Köbberling J, et al. **Acta Endocrinol (Kbh)** 81(2):263–9, Feb 76

Interaction of somatostatin and pentagastrin on lower oesophageal sphincter pressure (LESP) in man. Rösch W, et al. **Acta Hepatogastroenterol (Stuttg)** 23(3):209–12, Jun 76

The mechanism whereby growth hormone–release inhibiting hormone (somatostatin) inhibits food stimulated gastric acid secretion in the cat. Albinus M, et al. **Agents Actions** 5(4):306–10, Oct 75

Effects of somatostatin on pancreatic exocrine function. Interaction with secretin. Deschodt–Lanckman M, et al. **Arch Int Physiol Biochim** 83(5):960–1, Dec 75

Effects of somatostatin on pancreatic exocrine function. Interaction with secretin. Robberecht P, et al. **Biochem Biophys Res Commun** 67(1):315–23, 3 Nov 75

Interaction of somatostatin and calcium in regulating insulin release from isolated pancreatic islets of rats. Taminato T, et al. **Biochem Biophys Res Commun** 66(3):928–34, 6 Oct 75

Proceedings: Effect of growth hormone release inhibitory hormone on gastric secretion in the cat. Reed JD, et al. **Br J Surg** 62(8):664, Aug 75

'Barrel rotation' induced by somatostatin in the non–lesioned rat. Cohn ML, et al. **Brain Res** 96(1):138–41, 10 Oct 75

The effect of somatostatin on release and insulinotropic action of gastric inhibitory polypeptide. Pederson RA, et al. **Can J Physiol Pharmacol** 53(6):1200–5, Dec 75

Effects of growth hormone release–inhibiting hormone and bromocryptine (CB 154) in states of abnormal pituitary–adrenal function. Benker G, et al. **Clin Endocrinol (Oxf)** 5(2):187–90, Mar 76

A comparison of the effect of levodopa and somatostatin on the plasma levels of growth hormone, insulin, glucagon and prolactin in acromegaly. Dunn PJ, et al. **Clin Endocrinol (Oxf)** 5(2):167–74, Mar 76

Interaction of somatostatin, glucagon, and insulin on hepatic glucose output in the normal dog. Altszuler N, et al. **Diabetes** 25(2):116–21, Feb 76

Studies on growth hormone secretion. VII. Effects of somatostatin on plasma GH, insulin, and glucagon in sheep. Bryce D, et al. **Diabetes** 24(9):842–50, Sep 75

Effect of somatostatin on blood sugar, plasma growth hormone, and glucagon levels in diabetic children. Del Guercio MJ, et al. **Diabetes** 25(7):550–3, Jul 76

The effect of somatostatin on the response of GLI to the intraduodenal administration of glucose, protein, and fat. Sakurai H, et al. **Diabetologia** 11(5):427–30, Oct 75

Effects of somatostatin on gastric secretion and gastrin release in man. Raptis S, et al. **Digestion** 13(1–2):15–26, 1975 (Eng. Abstr.)

Blockade of the stress–induced decrease in blood GH by anti–somatostatin serum in rats. Arimura A, et al. **Endocrinology** 98(2):540–3, Feb 76

Growth hormone release in the rat: effects of somatostatin and thyrotropin–releasing factor. Brown M, et al. **Endocrinology** 97(5):1151–6, Nov 75

Biological activity of somatostatin and somatostatin analogs on inhibtion of arginine–induced insulin and glucagon release in the rat. Brown M, et al. **Endocrinology** 98(2):336–43, Feb 76

The effect of somatostatin on platelet aggregation. Chiang TM, et al. **Endocrinology** 97(3):753–6, Sep 75

Characteristics of the interaction between thyrotropin–releasing hormone and somatostatin for

thyrotropin and prolactin release. Drouin J, et al. **Endocrinology** 98(2):514–21, Feb 76

Somatostatin inhibition of glucose–, tolbutamide–, theophylline, cytochalasin B–, and calcium–stimulated insulin release in monolayer cultures of rat endocrine pancreas. Fujimoto WY. **Endocrinology** 97(6):1494–500, Dec 75

Somatostatin inhibition of insulin and glucagon secretion in rat islet culture: reversal by ionophore A23187. Fujimoto WY, et al. **Endocrinology** 98(1):259–62, Jan 76

Inhibition of calcium uptake by somatostatin in isolated rat islets of Langerhans. Oliver JR. **Endocrinology** 99(3):910–3, Sep 76

Influence of synthetic somatostatin upon growth hormone release from perifused rat pituitaries. Stachura ME. **Endocrinology** 99(3):678–83, Sep 76

Somatostatin and ACTH are peptides with partial antagonist–like selectivity for opiate receptors. Terenius L. **Eur J Pharmacol** 38(1):211–3, Jul 76

The influence of somatostatin on drug–induced prolactin release in the monkey. Gala RR, et al. **Experientia** 32(7):941–3, 1976

Antagonism of prostaglandin–induced cyclic AMP accumulation in the rat anterior pituitary in vitro by somatostatin analogues. Lippmann W, et al. **Experientia** 32(8):1034–6, 15 Aug 76

Relative effects of somatostatin and two somatostatin analogues on the release of insulin, glucagon and growth hormone. Efendić S, et al. **FEBS Lett** 58(1):302–5, 15 Oct 75

Effect of growth hormone release–inhibiting hormone on gastric secretion, mucosal blood flow, and serum gastrin. Konturek SJ, et al. **Gastroenterology** 70(5 PT.1):737–41, May 76

Proceedings: Effect of somatostatin on pancreatic and biliary function. Bloom SR, et al. **Gut** 16(10):836–7, Oct 75

Proceedings: Effect of somatostatin on motilin levels and gastric emptying. Bloom SR, et al. **Gut** 16(10):834, Oct 75

Pituitary and extrapituitary effects of somatostatin in normal man. Copinschi G, et al. **Horm Metab Res** 8(3):226–31, May 76

Effects of somatostatin on exocrine and endocrine pancreatic function stimulated by intestinal hormones in man. Dollinger HC, et al. **Horm Metab Res** 8(1):74–8, Jan 76

Effects of growth hormone––release inhibiting hormone (GH––RIH or somatostatin) on secretory processes in stomach and pancreas. pp. 407–12. Albinus M, et al. **In: Case RM, Goebell H, ed. Stimulus–secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.**

Effect of somatostatin on gastrin, insulin, gastric and exocrine pancreatic secretion in man. pp. 403–5. Dollinger HC, et al. **In: Case RM, Goebell H, ed. Stimulus–secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.**

Somatostatin and the endocrine pancreas. pp. 127–43. Gerich JE. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.** (55 ref.)

Dose–response influence of prostaglandin E and somatostatin on plasma levels of growth hormone. Prolactin and thyrotropin in sheep. Davis SL, et al. **J Anim Sci** 41(1):172–7, Jul 75

Effects of somatostatin on basal levels of plasma growth hormone and insulin in acromegalics: dose–response studies and attempted total growth hormone suppression. Christensen SE, et al. **J Clin Endocrinol Metab** 42(5):839–45, May 76

Somatostatin does not suppress plasma parathyroid hormone. Deftos LJ, et al. **J Clin Endocrinol Metab** 43(1):205–7, Jul 76

Actions of growth hormone–release inhibiting hormone (somatostatin) on the renin aldosterone system. Gomez–Pan A, et al. **J Clin Endocrinol Metab** 43(1):240–3, Jul 76

The response of pancreatic and pituitary hormones to pulses and constant infusion of somatostatin. Leblanc H, et al. **J Clin Endocrinol Metab** 41(06):1105–9, Dec 75

Disappearance rates of plasma growth hormone after intravenous somatostatin in renal and liver disease. Pimstone BL, et al. **J Clin Endocrinol Metab** 41(2):392–3, Aug 75

The inhibitory effect of somatostatin on growth hormone, insulin and glucagon secretion in diabetes mellitus. Ward FR, et al. **J Clin Endocrinol Metab** 41(3):527–32, Sep 75

Biosynthesis of proinsulin and insulin in newborn rat pancreas. Interaction of glucose, cyclic AMP, somatostatin, and sulfonylureas on the (3H) leucine incorporation into immunoreactive insulin. Garcia SD, et al. **J Clin Invest** 57(1):230–43, Jan 76

Effect of growth hormone–release inhibiting hormone on hormones stimulating exocrine pancreatic secretion. Konturek SJ, et al. **J Clin Invest** 58(1):1–6, Jul 76

Effects of growth hormone inhibiting factor (somatostatin) on the release of growth hormone and prolactin from pituitaries of the domestic fowl in vitro. Hall TR, et al. **J Endocrinol** 68(1):163–4, Jan 76

Abnormal pancreatic glucagon secretion and postprandial hyperglycemia in diabetes mellitus. Gerich JE, et al. **JAMA** 234(2):159–5, 13 Oct 75

Monolayer cell culture of human pancreatic beta cell tumor: effect of glucose and somatostatin on insulin release. Fujimoto WY, et al. **Johns Hopkins Med J** 138(1):1–5, Jan 76

Somatostatin: a potent inhibitor of ACTH–hypersecretion in adrenal insufficiency. Fehm HL, et al. **Klin Wochenschr** 54(4):173–5, 15 Feb 76

Letter: Somatostatin and diabetic ketoacidosis. Keller U. **Lancet** 1(7960):644, 20 Mar 76

Inhibition of frusemide–induced hyperreninaemia by growth–hormone release–inhibiting hormone in man. Rosenthal J, et al. **Lancet** 1(7963):772–4, 10 Apr 76

Letter: Somatostatin, glucagon, and insulin release. Schatz H, et al. **Lancet** 1(7962):754, 3 Apr 76

Dissociation of somatostatin effects. Peptides inhibiting the release of growth hormone but not glucagon or insulin in rats. Grant N, et al. **Life Sci** 19(5):629–31, 1 Sep 76

The effect of somatostatin on plasma noradrenaline and plasma adrenaline concentrations during exercise and hypoglycemia. Christensen NJ, et al. **Metabolism** 24(11):1267–72, Nov 75

Plasma glucagon after kidney exclusion: experiments in somatostatin–infused and in eviscerated dogs. Lefebvre PJ, et al. **Metabolism** 25(7):761–8, JUL 76

Inhibitory effect of somatostatin on dibutyryl cyclic AMP–induced insulin and growth hormone release in human subjects. Peracchi M, et al. **Metabolism** 25(3):321–8, Mar 76

Somatostatin inhibition of insulin secretion in insulin–producing tumors. Scuro LA, et al. **Metabolism** 25(6):603–9, Jun 76

Letter: Depression of serum insulin by somatostain. Berger M, et al. **N Engl J Med** 293(14):723, 2 Oct 75

Letter: Somatostatin and platelet function. Carmina E, et al. **N Engl J Med** 294(4):226, 22 Jan 76

Inhibition by somatostatin of tolbutamide–induced insulin secretion in a patient with an insulinoma. Van Kersen F. **Neth J Med** 19(1):5–7, 1976

Parameters of alteration of pentobarbital response by hypothalamic polypeptides. Prange AJ Jr, et al. **Neuropsychobiology** 1(2):121–31, 1975

Somatostatin and thyrotropin releasing hormone: central effect on sleep and motor system. Havlicek V, et al. **Pharmacol Biochem Behav** 4(4):455–9, Apr 76

Does somatostatin inhibition of insulin secretion involve two mechanisms of action? Curry DL, et al. **Proc Natl Acad Sci USA** 73(1):248–51, Jan 76

The operating characteristics of the hypothalamic–pituitary system during the menstrual cycle and observations of biological action of somatostatin. Yen SS, et al. **Recent Prog Horm Res** 31:321–63, 1975 (121 ref.)

Action of somatostatin and metiamide on gastric acid secretion from isolated bullfrog gastric mucosa. Warrick MW, et al. **Res Commun Chem Pathol Pharmacol** 13(1):149–52, Jan 76

Somatostatin and serum gastrin in normal subjects and in patients with pernicious anaemia, chronic liver and renal disease. Le Roith D, et al. **S Afr Med J** 49(39):1601–4, 13 Sep 75

Somatostatin inhibits insulin–stimulated gastrin release and gastric secretion of acid, pepsin, and intrinsic factor (IF) in duodenal ulcer patients. Schrumpf E, et al. **Scand J Gastroenterol** 11(5):517–20, 1976

Somatostatin suppresses secretin and pancreatic exocrine secretion. Boden G, et al. **Science** 190(4210):163–5, 10 Oct 75

Pulsatile growth hormone secretion: suppression by hypothalamic ventromedial lesions and by long–acting somatostatin. Martin JB, et al. **Science** 186(4163):538–40, 8 Nov 74

[Influence of somatostatine on plasma level of calcitonin in the calf and the swine] Barlet JP, et al. **C R Soc Biol (Paris)** 169(6):1476–82, 1975 (Eng. Abstr.) **(Fre)**

[Absence of somatostatin effect on neurohypophyseal function in man] Legros JJ, et al. **C R Soc Biol (Paris)** 168(10–11–12):1442–5, 1974 (Eng. Abstr.) **(Fre)**

[Drug regulation of growth hormone] Schaison G, et al. **Therapie** (4):519–34, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Effect of somatostatin on betazole–stimulated gastric secretion and carbachol–stimulated pancreatic secretion and gall bladder contraction in man(author's transl)] Lankisch PG, et al. **Dtsch Med Wochenschr** 100(36):1797–800, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Influence of somatastatin on oral glucose tolerance in autonomous hypersecretion of growth hormone, prolactin or insulin (author's transl)] Gottsmann M, et al. **Klin Wochenschr** 53(24):1161–6, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Inhibition of endotoxin–, hyperthermia– as well as arginine–induced growth hormone secretion due to somatostatin in healthy subjects and insulin–dependent diabetics] Wagner H, et al. **Verh Dtsch Ges Inn Med** 81:1523–8, 1975 **(Ger)**

[Summary of work session 4: Effects of calcitonin and somatostatin on the stomach and pancreas––a possible therapeutic principle] Goebell H, et al. **Z Gastroenterol** 14(2):221–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Changes in blood sugar, and insulin levels induced by somatostatin in normal, diabetic and acromegalic subjects] Carmina E, et al. **Minerva Med** 67(18):1204–4–10, 14 Apr 76 (Eng. Abstr.) **(Ita)**

[Effect of somatostatin on renin secretion in the isolated perfused rat kidney (author's transl)] Quesada T, et al. **Rev Esp Fisiol** 32(2):107–10, Jun 76 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The hypothalamic regulatory hormones and their clinical applications. Hall R, et al. **Adv Clin Chem** 18:173–212, 1976 (120 ref.)

Somatostatin: physiological and clinical significance. Guillemin R, et al. **Annu Rev Med** 27:379–88, 1976 (81 ref.)

Physiological role of somatostatin in the control of growth hormone and thyrotropin secretion. Ferland L, et al. **Biochem Biophys Res Commun** 68(1):149–56, 12 Jan 76

Increase in basal and thyrotropin–releasing hormone (TRH)–stimulated secretion of thyrotropin (TSH) by passive immunization with antiserum to somatostatin in rats. Arimura A, et al. **Endocrinology** 98(4):1069–72, Apr 76

In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. pp. 387–96. Arimura A. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.** (25 ref.)

Control of anterior pituitary hormone secretion. Hypothalamic peptides and their interactions. pp. 180–95. Grant G, et al. **In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 l65r 1973.** (39 ref.)

Proceedings: Growth hormone release inhibitory hormone and pancreatic polypeptide. Bloom SR. **J Endocrinol** 70(1):14P–15P, Jul 76

Functional subdivision of islets of Langerhans and possible role of D cells. Orci L, et al. **Lancet** 2(7947):1243–4, 20 Dec 75

Somatostatin in the physiologic feedback control of thyrotropin secretion. Tanjasiri P, et al. **Life Sci** 19(5):657–60, 1 Sep 76

Gonadotropin–releasing hormone and thyrotropin–releasing hormone: distribution and effects in the central nervous system. Wilber JF, et al. **Recent Prog Horm Res** 32:117–59, 1976

Somatostatin and the gastrointestinal secretions. Konturek SJ. **Scand J Gastroenterol** 11(1):1–4, 1976 (25 ref.)

Antiserum to somatostatin prevents stress–induced inhibition of growth hormone secretion in the rat. Terry LC, et al. **Science** 192(4239):565–7, 7 May 76

[Somatostatin (author's transl)] Hainer V, et al. **Cas Lek Cesk** 114(29):899–902, 18 Jul 75 (Eng. Abstr.) **(Cze)**

[Somatostatin — a review (author's transl)] Lucke C, et al. **Klin Wochenschr** 54(7):293–301, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Somatostatin—hormone inhibitor (author's transl)] Sieradzki J. **Przegl Lek** 33(3):393–7, 1976 **(Pol)**

SECRETION

Cyclic AMP–dependent stimulation of somatostatin secretion by isolated rat islets of Langerhans. Barden N, et al. **Biochem Biophys Res Commun** 71(3):840–4, 9 Aug 76

Evidence for the D–cell of the pancreas secreting somatostatin. Orci L, et al. **Horm Metab Res** 7(5):400–2, Sep 75

[Somatostatin secreting hypothalamic centers of the rat: distribution perikaryons in 2 magno and parvo cellular systems (immunocytological study)] Fontaine MM. **C R Acad Sci [D] (Paris)** 281(22):1737–40, Dec 75 **(Fre)**

THERAPEUTIC USE

Antidiabetic action of somatostatin––assessed by the artificial pancreas. Meissner C, et al. **Diabetes** 24(11):988–96, Nov 75

Extended somatostatin treatment of a patient with bleeding ulcer. Mattes P, et al. **Horm Metab Res** 7(6):508–11, Nov 75

Clinical implications of growth hormone release inhibiting hormone (GH–RIH). pp. 115–25. Besser GM. **In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.**

Failure of somatostatin to correct manifest diabetic ketoacidosis. Lundbaek K, et al. **Lancet** 1(7953):215–8, 31 Jan 76

Letter: Somatostatin, growth hormone and parkinsonism. Cotzias GC, et al. **N Engl J Med** 294(7):398, 12 Feb 76

Letter: The endogenous catabolic traumatic triad syndrome. DiNicola AF. **NZ Med J** 82(543):27–8, 9 Jul 75

[The effects of somatostatin in acromegaly] Schaison G, et al. **Nouv Presse Med** 5(10):629–32, 6 Mar 76 (Eng. Abstr.) **(Fre)**

[Effect of somatostatin and bromocriptin (CB–154) on growth hormone secretion in acromegaly] Althoff PH, et al. **Verh Dtsch Ges Inn Med** 81:1515–20, 1975 **(Ger)**

[Somatostatin and somatomedins––new hormones with connection to diabetes research and future diabetes therapy] Efendić S, et al. **Lakartidningen** 13(13):1198–202, 24 Mar 76 (Eng. Abstr.) **(Swe)**

SOMATOTROPIN RELEASING HORMONE

Myelin basic protein: a substance that releases immunoreactive growth hormone in vitro. Villarreal JA, et al. **Biochem Biophys Res Commun** 70(2):551–8, 17 May 76

BLOOD

[Absence of somatostatin effect on neurohypophyseal function in man] Legros JJ, et al. **C R Soc Biol (Paris)** 168(10–11–12):1442–5, 1974 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Endocrine and extra-endocrine studies of hypothalamic hormones in man. pp. 196–206. Kastin AJ, et al.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 l65r 1973. (44 ref.)

METABOLISM

The effect of growth hormone on renin production and release by rat kidney slices. Hauger-Klevene JH.
Acta Physiol Lat Am 25(1):80–2, 1975

[Somatotropic hormone regulation in anorexia nervosa before and following phenothiazine therapy] von Petrykowski W. **Monatsschr Kinderheilkd** 123(5):340–2, May 75 **(Ger)**

PHARMACODYNAMICS

The effects of growth hormone-releasing hormone (GH-RH) and thyroxine on the synthesis and release of GH in a clonal strain of rat pituitary tumor cells. Ishikawa H, et al.
Biochem Biophys Res Commun 70(1):241–7, 3 May 76

Stimulation of adenohypophyseal adenylate cyclase activity by synthetic luteinizing hormone-releasing hormone (LH-RH) and purified growth hormone-releasing hormone (GH-RH). pp. 174–81. Borgeat P, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

An ultrastructural and radioimmunoassay study of anterior pituitary somatotrophs following pituitary portal vessel infusion of growth hormone releasing factor. Wilbur DL, et al. **Neuroendocrinology** 19(1):12–27, 1975

PHYSIOLOGY

Studies on growth hormone-releasing activity in bovine hypothalami. pp. 232–42. Sawano S, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 l657p 1974.

Hypothalamic hypophysiotropic hormones. pp. 317–35. Fleischer N, et al.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (47 ref.)

SECRETION

[Hypothalamic mechanism in the pathogenesis of acromegaly] Giordano G, et al.
Folia Endocrinol (Roma) 27(1):1–20, Feb 74 (79 ref.) **(Ita)**

SOMATOTYPES

Influence of physical activity on stability of somatotypes in boys. Pařizkova J, et al. **Am J Phys Anthropol** 44(2):327–39, Mar 76

Relationship of body composition to somatotype. Slaughter MH, et al. **Am J Phys Anthropol** 44(2):237–44, Mar 76

Biochemical basis of psychosomatic constitution. Udupa KN, et al. **Indian J Med Res** 63(7):923–7, Jul 75

Physique and personality: somatotype and vocational interest. Deabler HL, et al. **Percept Mot Skills** 41(2):382, Oct 75

Regulation of food intake during growth in the Zucker rat. Radcliffe JD, et al. **Proc Nutr Soc** 34(2):54A, Sep 75

Factorial structure of the death concern scale. Klug L, et al. **Psychol Rep** 38(1):106, Feb 76

Preferences among Sheldon's temperaments. Lester D.
Psychol Rep 38(3 pt. 1):722, Jun 76

[Respiratory diseases and somatotype of the child] Blažek F, et al. **Cesk Pediatr** 30(10):462–3, Oct 75 (Eng. Abstr.) **(Cze)**

[Morpho-psychologic types in everyday life and in literature] Corman L. **Orthod Fr** 45(1):XXXVII–LIII, 1974 **(Fre)**

[The minimal circumference of the fore-arms in terms of constitutional type (author's transl)] Gajisin S. **Praxis** 64(3):57–63, 21 Jan 75 (Eng. Abstr.) **(Fre)**

SOMNAMBULISM

Effects of growth hormone on sleep-waking patterns in cats. Stern WC, et al. **Horm Behav** 6(2):189–96, Jun 75

THERAPY

The hypnotic treatment of sleepwalking in an adult. Eliseo TS. **Am J Clin Hypn** 17(4):272–6, Apr 75

SONICATION see under **ULTRASONICS**

SOPOR see **METHAQUALONE**

SORBIC ACID see under **FATTY ACIDS, UNSATURATED**

SORBITOL

Influence of sugar content in soft bread on pH of human dental plaque. Birkhed D, et al. **Acta Odontol Scand** 33(2):59–66, 1975

Phospholipase C assay using p-nitrophenylphosphoryl-choline together with sorbitol and its application to studying the metal and detergent requirement of the enzyme. Kurioka S, et al.
Anal Biochem 75(1):281–9, Sep 76

Antiketogenic action of fructose, glyceraldehyde, and sorbitol in the rat in vivo. Rawat AK, et al. **Diabetes** 24(10):926–32, Oct 75

The metabolic complications of intravenous nutrition. Woods HF. **Int J Vitam Nutr Res** (15):54–7, 1976

pH changes in dental plaque caused by sweetened, iron-containing liquid medicine. Lökken P, et al.
Scand J Dent Res 83(5):279–83, Sep 75

[Interactions between antiseptics and surfactants. III. The interaction of parahydroxybenzoate with methylesters of polyoxyethylene sorbitan by a dialysis method] Poelman MC, et al. **Ann Pharm Fr** 33(12):693–9, Dec 75 (Eng. Abstr.) **(Fre)**

[Glucose and glucose substitutes in postoperative infusion therapy] Ahnefeld FW, et al. **Int J Vitam Nutr Res** (15):242–51, 1975 (Eng. Abstr.) **(Ger)**

[Oxalate formation by polytraumatized patients after parenteral nutrition with amino acids and xylitol] Dölp R, et al. **Int J Vitam Nutr Res** (15):228–33, 1975 **(Ger)**

ADMINISTRATION & DOSAGE

The metabolic reflection of acute parenteral administration of various sugars. I. Healthy subjects. Brodanová M, et al. **Acta Univ Carol [Med] (Praha)** 21(1–2):53–171, 1975

Limits on infusions of laevulose and sorbitol. **Med J Aust** 1(16):582, 17 Apr 76

The effects of intravenous protein—calorie supplementation on the tissue composition of postoperative body weight loss. Elebute EA. **Postgrad Med J** 50(585):454–61, Jul 74

[Parenteral administration of sorbitol solution and its impact on sorbitol, glucose, fructose and lactate concentration in the blood of cattle, sheep and piglets] Brenner KV, et al. **Arch Exp Veterinaermed** 30(1):109–19, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Ketone bodies in the blood during sorbitol infusion] Matzkies F, et al. **Fortschr Med** 93(26):1230–3, 18 Sep 75 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Possible side effects of glucose, fructose, sorbitol and xylitol in man. Förster H. **Int J Vitam Nutr Res** (15):116–30, 1976

[Letter: Side-effects of sorbitol] Berg G.
Dtsch Med Wochenschr 101(15):595, 9 Apr 76 **(Ger)**

[Undesirable metabolic effects following the administration of larger doses of fructose and sorbitol] Bode JC.
Infusionstherapie 1(7):558–63, Oct 74 (Eng. Abstr.) **(Ger)**

[Undesirable metabolic effects following the administration of higher doses of fructose and sorbitol] Bode JC.
Infusionstherapie 1(7):558–63, Oct 74 (Eng. Abstr.) **(Ger)**

[Fructose and sorbitol in infusion solutions are not always harmless] Steinmann B, et al. **Int J Vitam Nutr Res** (15):289–94, 1975 **(Ger)**

ANALOGS & DERIVATIVES

Isosorbide in the treatment of infantile hydrocephalus. Observations with a new drug. Lorber J.
Clin Pediatr (Phila) 14(10):916–9, Oct 75

[Nitro-monobeltin in cardiological therapy (author's transl)] Villalobos JL, et al. **Praxis** 64(41):1316–9, 14 Oct 75 (Eng. Abstr.) **(Ger)**

[Hemodynamic and metabolic changes in patients with bronchial asthma during therapy with isosorbide and dinitrate retard] Stegaru B, et al.
Verh Dtsch Ges Inn Med 81:501–3, 1975 **(Ger)**

[Effect of 2- and 5-isosorbide mononitrate on the exercise-ECG of patients with coronary insufficiency] Stauch M, et al. **Verh Dtsch Ges Kreislaufforsch** 41:182–4, 1975 **(Ger)**

ANALYSIS

The determination of sorbitol in foodstuffs using thermometric titrimetry. Bark LS, et al. **Analyst** 101(1201):306–9, Apr 76

[A gaschromatographic method proposed for sorbitol and sucrose determination in musts and wines (author's transl)] Lercker G, et al. **Riv Sci Tecn Nutr Um** 5(4):247–9, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

BLOOD

[Variations of glucose, fructose, sorbite and electrolyte concentration following intravenous or intraperitoneal administration of sorbite-electrolyte solution to cattle and sheep] Kolb FE, et al. **Arch Exp Veterinaermed** 30(1):93–107, 1 Jan 76 (Eng. Abstr.) **(Ger)**

METABOLISM

Effects of phospholine iodide on the metabolites of the glycolytic, pentose phosphate and sorbitol pathways in the rabbit lens. Härkönen M, et al. **Acta Ophthalmol (Kbh)** 54(4):445–55, Aug 76

Osmotic effects of sorbitol accumulation in monkey kidney epithelial cell cultures. Hutton JC, et al.
Aust J Biol Sci 28(2):109–14, Apr 75

Absence of the sorbitol pathway in epidermis. Roelfzema H, et al. **Br J Dermatol** 94(5):577–8, May 76

Sorbitol and other polyols in lens, adipose tissue and urine in diabetes mellitus. Heaf DJ, et al. **Clin Chim Acta** 63(1):41–7, 18 Aug 75

Conversion of sorbitol to mannitol when used parenterally. Soummer-Dauphant AM, et al. **Clin Chim Acta** 67(3):325–8, 15 Mar 76

The sorbitol pathway: effect of streptozotocin induced diabetes and the feeding of a sucrose-rich diet on glucose, sorbitol and fructose in the retina, blood and liver of rats. Heath H, et al. **Diabetologia** 12(1):43–6, Mar 76

Sorbitol dehydrogenase in Anas platyrhynchos and Zenaida auriculata auriculata during development. de Fabro SP, et al. **Experientia** 31(12):1405–7, 15 Dec 75

Quantitative aspects of the metabolism of glucose, fructose, sorbitol and xylitol. Bässler KH. **Int J Vitam Nutr Res** (15):22–30, 1976 (26 ref.)

Metabolism of glucose substitutes compared to that of glucose. Förster H. **Int J Vitam Nutr Res** (15):68–74, 1976

Comparison between the metabolism of xylitol, sorbitol, fructose and glucose. Froesch ER.
Int J Vitam Nutr Res (15):239–41, 1975

Uptake of sorbitol by chick embryo heart cells at various stages of development. Kutchai H. **J Membr Biol** 24(3–4):225–35, 4 Dec 75

Production of threitol and sorbitol by an adult insect: association with freezing tolerance. Miller LK, et al.
Nature 258(5535):519–20, 11 Dec 75

[Editorial: Polyols: sorbitol and xylitol] Sestoft L.
Ugeskr Laeger 138(11):671–2, 8 Mar 76 **(Dan)**

[Transformation of sorbitol to mannitol when used in parenteral administration] Chabert JM, et al.
Ann Anesthesiol Fr 16(2):91–6, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Parenteral administration of sugar substitutes with special reference to diabetes mellitus] Haslbeck M.
Infusionstherapie 1(7):569–76, Oct 74 (Eng. Abstr.) **(Ger)**

[Sugar substitutes in the diabetic diet] Menhnert H.
Int J Vitam Nutr Res (15):295–324, 1975 (32 ref.) (Eng. Abstr.) **(Ger)**

[Metabolism of sorbitol and xylitol in newborn and premature infants and the effect on blood sugar and lactates] Willgerodt H, et al. **Int J Vitam Nutr Res** (15):161–9, 1976 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Sensitivity of erythrocyte acethylcholinesterase to inhibition by linolenoyl sorbitol. Dependence on a transmembrane potential. Livne A, et al. **Biochim Biophys Acta** 419(2):358–64, 21 Jan 76

Antiketogenic action of fructose, glyceraldehyde, and sorbitol in the rat in vivo. Rawat AK, et al. **Diabetes** 24(10):926–32, Oct 75

Inability of low levels of sorbitol and mannitol to support caries activity in rats. Shaw JH. **J Dent Res** 55(3):376–82, May–Jun 76

The clot-forming ability of fibrinogen in solutions containing glucose and sorbitol. Einarsson R. **Thromb Res** 7(6):925–8, Dec 75

[Metabolic effects of parenteral administration of glucose, fructose, sorbitol and xylitol in cirrhotic and healthy subjects] Brodanová M, et al. **Cas Lek Cesk** 115(13):387–93, 2 Apr 76 (Eng. Abstr.) **(Cze)**

[Comparative study of i.v. administration of xylitol and sorbitol to diabetics] Dubach UC.
Int J Vitam Nutr Res (15):81–91, 1976 (Eng. Abstr.) **(Ger)**

[The effect of glucose substitutes on human uric acid metabolism (author's transl)] Heuckenkamp PU, et al.
Munch Med Wochenschr 117(37):1145–52, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Hereditary disorders of fructose metabolism. Loading tests with fructose, sorbitol and dihydroxyacetone] Steinmann B, et al. **Nutr Metab** 18 Suppl 1:115–32, 1975 **(Ger)**

PHYSIOLOGY

Metabolism and physiological effects of the polyols (alditols). pp. 123–34. Touster O.
In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (43 ref.)

THERAPEUTIC USE

[Treatment of iron deficiency anemia in African women. Use of an injectable ferric complex] Barbotin M, et al.
Bull Soc Med Afr Noire Lang Fr 19(2):121–5, 1974 (Eng. Abstr.) **(Fre)**

[Letter: Practical importance of sorbitol in diabetology] Héraud G, et al. **Nouv Presse Med** 4(29):2113 (2), 13 Sep 75 **(Fre)**

[Treatment of burn shock with blood substitute solutions and sorbitol] Kochetygov NI, et al.
Probl Gematol Pereliv Krovi 20(11):29–33, Nov 75 (Eng. Abstr.) **(Rus)**

SORBOSE

Studies on cyclodextrin glycosyltransferase. IV. Enzymatic synthesis of 3-O-alpha-D-glucopyranosyl-L-sorbose and 4-O-alpha-D-glucopyranosyl-D-xylose using cyclodextrin glycosyltransferase. Kitahata S, et al.
J Biochem (Tokyo) 79(3):641–8, Mar 76

METABOLISM

L-Sorbose metabolism in Agrobacterium tumefaciens. Van Keer C, et al. **Antonie van Leeuwenhoek** 42(1–2):13–24, 1976

Proceedings: L-Sorbose metabolism in Agrobacterium: a biochemical explanation for an intrageneric phenotypic difference. van Keer C, et al. **Arch Int Physiol Biochim** 84(1):200-1, Feb 76

New mechanisms for the biosynthesis and metabolism of 2-keto-L-gulonic acid in bacteria. Makover S, et al. **Biotechnol Bioeng** 17(10):1485-1514, Oct 75

Stimulation by organic solvents and detergents of conversion of L-sorbose to L-sorbosone by Gluconobacter melanogenus IFO 3293. Martin CK, et al. **Biotechnol Bioeng** 17(10):1473-83, Oct 75

Conversion of L-sorbose to L-sorbosone by immobilized cells of Gluconobacter melanogenus IFO 3293. Martin CK, et al. **Biotechnol Bioeng** 18(2):217-37, Feb 76

PHARMACODYNAMICS

Lipid-protein interactions at the erythrocyte membrane. Different influence of glucose and sorbose on membrane lipid transition. Zimmer G, et al. **Biochim Biophys Acta** 401(2):244-55, 20 Aug 75

The effect of sorbose on pH of mixed saliva and interproximal plaque. Mühlemann HR, et al. **Helv Odontol Acta** 19(2):76-80, Oct 75

Genetic alterations modifying period length of the sorbose-induced hyphal-branching rhythm in Neurospora crassa. pp. 51-4. Feldman JF, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971. (18 ref.)

SORE THROAT see under **PHARYNGITIS**

SORT (STRUCTURES-OBJECTIVE RORSCHACH TEST) see under **RORSCHACH TEST**

SOTALOL

ADMINISTRATION & DOSAGE

Letter: Once-daily treatment of hypertension. Shaw HL. **Br Med J** 2(6026):46-7, 3 Jul 76

BLOOD

Serum levels and half-life of sotalol in chronic renal failure. Sundquist HK, et al. **Ann Clin Res** 7(6):442-6, Dec 75

[Proceedings: Value of plasma level determinations of cardioactive drugs during therapy] Schnelle K, et al. **Z Kardiol** Suppl 2:126, 1975 **(Ger)**

METABOLISM

Human pharmacokinetics of sotalol. Anttila M, et al. **Acta Pharmacol Toxicol (Kbh)** 39(1):118-28, Jul 76

Influence of chronic renal failure and haemodialysis on the elimination of the beta-adrenoceptor blocking drugs practolol and sotalol. pp. 323-33. Tjandramaga TB, et al.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 I604b 1975.

PHARMACODYNAMICS

The effects of propranolol and sotalol on parathyroid hormone- and adrenaline-stimulated embryonic bone metabolism. pp. 369-78. Herrmann-Erlee MP, et al.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 I604b 1975.

Comparison of beta-adrenoceptor blocking properties of sotalol, oxprenolol, propranolol and pindolol on rabbit intestinal smooth muscle. Salimi M. **Pharmacology** 13(5):441-7, 1975

An evaluation of sotalol, a beta-blocking agent, in patients with angina pectoris. Gooding PG, et al. **Postgrad Med J** 50(590):734-6, Dec 74

THERAPEUTIC USE

Combination of clonidine and sotalol in hypertension. Saarimaa H. **Br Med J** 1(6013):810, 3 Apr 76

Effect of sotalol on haemodynamics and renin-angiotensin-aldosterone system in hypertensive patients. Verniory A, et al. **Clin Sci Mol Med** 51(1):9-17, Jul 76

A new beta adrenergic blocking agent, sotalol, in the treatment of angina pectoris. A double blind-crossed treatment study. Milei J, et al. **Rev Bras Pesqui Med Biol** 8(3-4):279-86, May-Aug 75

Sotalol in angina pectoris. A double-blind study. Slome R. **S Afr Med J** 50(12):469-72, 20 Mar 76

[Proceedings: Hemodynamic and pharmacological findings during sotalol therapy in arterial hypertension] Klein G, et al. **Z Kardiol** Suppl 2:86, 1975 **(Ger)**

SOTERENOL see under **ETHANOLAMINES**

SOUND

see related
ACOUSTIC STIMULATION
NOISE

Response of cat cerebellar vermis induced by sound. I. Influence of drugs on responses of single units. Jastreboff PJ, et al. **Acta Neurobiol Exp (Warsz)** 35(3):209-16, 1975

Response of cat cerebellar vermis induced by sound. II. The role of the mossy and climbing fibers in acoustic transmission to the cerebellar cortex and influence of stimuli parameters. Jastreboff PJ, et al. **Acta Neurobiol Exp (Warsz)** 35(3):217-25, 1975

The experiment on the protein exposed to acoustic wave in model of hair cells. Takeda H. **Acta Otolaryngol [Suppl] (Stockh)** (337):1-13, 1976

Investigation of sound level conversion as a means of rating ear protector performance. Waugh R. **Am Ind Hyg Assoc J** 37(4):239-45, Apr 76

Aircraft noise-sound reduction techniques. Barriage JB. **Aviat Space Environ Med** 47(1):55-9, Jan 76

Albinism and auditory function in the laboratory mouse. II. Effects of acoustic priming and cross-fostering. Haythorn MM, et al. **Behav Genet** 5(4):321-9, Oct 75

Biochemical parameters of guinea pig perilymph sampled according to scala and following sound presentation. Gershbein LL, et al. **Environ Health Perspect** 8:157-64, Aug 74

Speech-sound discrimination ability on linguistically unbiased tests. Bryen DN. **Except Child** 42(4):195-201, Jan 76

The genesis of bowel sounds: influence of viscus and gastrointestinal content. Politzer JP, et al. **Gastroenterology** 71(2):282-5, Aug 76

An audio display for the blind. Fish RM. **IEEE Trans Biomed Eng** 23(2):144-54, Mar 76

The direct measurement and display of human shape. pp. 583-7. Short A, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Measurements of diffraction and interaural delay of a progressive sound wave caused by the human head. II. Abbagnaro LA, et al. **J Acoust Soc Am** 58(3):693-700, Sep 75

Letter: Static acoustic impedance of the chinchilla middle ear: awake and sedated. Woodford CM, et al. **J Acoust Soc Am** 58(5):1100-3, Nov 75

Susceptance and conductance changes in acoustic reflexometry. Cunningham DR, et al. **J Am Audiol Soc** 1(3):131-4, Nov-Dec 75

Further study of existence regions for the 'ventriloquism effect'. Thurlow WR, et al. **J Am Audiol Soc** 1(6):280-6, May-Jun 76

The occurrence of the Tullio phenomenon in congenitally deaf children. Kwee HL. **J Laryngol Otol** 90(6):501-7, Jun 76

Acoustical holography. Brenden BB. **J Phys E Sci Instrum** 8(11):885-94, Nov 75 (53 ref.)

Proceedings: On evoked potentials to frequency-modulated tones recorded from the human scalp. Green GG. **J Physiol (Lond)** 256(1):42P-43P, Mar 76

Proceedings: Context effect on evoked potentials. Shimogochi M, et al. **J Physiol Soc Jpn** 36(8-9):280, 1 Sep 74

Static and dynamic acoustic impedance measurements in infant ears. Margolis RH, et al. **J Speech Hear Res** 18(3):435-43, Sep 75

Activity of cholinergic system enzymes in the cochlea of mice sensitized for audiogenic seizure. Ebel A, et al. **Life Sci** 17(4):641-4, 15 Aug 75

Height and character of sounds produced by pulses. Stamopoulos CD. **Med Biol Eng** 12(1):136, Jan 74

Letter: 'Say ae'. Savitt JN. **N Engl J Med** 294(19):1068-9, 6 May 76

Acoustic Bragg diffraction from human tissues. Chivers RC. **Nature** 262(5566):330, 22 Jul 76

Ultrasonic measurement of sound velocity in whole blood. A comparison between an ultrasonic method and the conventional packed-cell-volume test for hematocrit determination. Bakke T, et al. **Scand J Clin Lab Invest** 35(5):473-8, Sep 75

Calculation of the relative speed of sound in a gas mixture. Ackerman MJ, et al. **Undersea Biomed Res** 2(4):305-10, Dec 75

[Sound sensations produced by electric stimulation of the structures of the middle ear and the tympanic chord] Michel J, et al. **Ann Otolaryngol Chir Cervicofac** 92(1-2):33-60, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Electrooculophony: a simple method for study of eye movements] Weiss JB. **Bull Soc Ophtalmol Fr** 74(3):273-5, Mar 74 **(Fre)**

[Analysis of intrauterine sounds and their tranquillizing effects on the newborn infant] Murooka H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(3):367-76, Apr-May 76 (Eng. Abstr.) **(Fre)**

[Limit of measurement of middle ear impedance (author's transl)] Dieroff HG, et al. **Arch Otorhinolaryngol (NY)** 211(4):283-8, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Comparative studies of lactate concentration in the perilymph, blood and cerebrospinal fluid of normal and sound exposed guinea pigs (author's transl)] Scheibe F, et al. **Arch Otorhinolaryngol (NY)** 214(1):19-25, 31 AUG 76 (Eng. Abstr.) **(Ger)**

[The etiology mechanism of Ortolani's sign] Peič S. **Z Orthop** 113(4):773-5, Aug 75 **(Ger)**

[Proceedings: Neural noise in the human thalamus] Fukamachi A, et al. **J Physiol Soc Jpn** 36(8-9):275, 1 Sep 74 **(Jpn)**

[Tests used in studies of loudness recruitment] Chocholle R. **Otolaryngol Pol** 29(3):289-94, 1975 (Eng. Abstr.) **(Pol)**

[Analysis of acoustic pressure in vibrato] Handzel L. **Otolaryngol Pol** 29(3):261-4, 1975 (Eng. Abstr.) **(Pol)**

[Selective sensitivity of hearing to amplitude modulation of speech in man] Morozov VP, et al. **Zh Evol Biokhim Fiziol** 11(5):468-73, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Dependence of the differential threshold of sound strength on the functional state of the adrenergic and cholinergic systems of the brain] Kozhevnikova AP, et al. **Zh Ushn Nos Gorl Bolezn** (5):15-9, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[A change in the excitability of human spinal motor neurons during prolonged acoustic stimulation] Shlykov VIu. **Zh Vyssh Nerv Deiat** 25(3):612-4, May-June 75 **(Rus)**

ADVERSE EFFECTS

Review of the effects of infrasound on man. Harris CS, et al. **Aviat Space Environ Med** 47(4):430-4, Apr 76

Infrasound: a short review of effects on man. Westin JB. **Aviat Space Environ Med** 46(9):1135-40, Sep 75

Cerebral magnesium and sodium-potassium ATPase following audiogenic seizures in mice. Reichert WH. **Exp Neurol** 49(2):596-600, Nov 75

[Combined effect of low-frequency noise and infrasound on the body of workers] Sanova AG. **Vrach Delo** (10):133-6, Oct 75 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Auditory cardiovascular response to human neonates. pp. 49-64. Gerber SE, et al.
In: Mencher G., ed. Early identification of hearing loss. Basel, Karger, 1976. WV 270 N935e 1974. (27 ref.)

BOEL—a child welfare program for early screening of communication abilities. pp. 132-42. Junker KS.
In: Mencher G., ed. Early identification of hearing loss. Basel, Karger, 1976. WV 270 N935e 1974.

Infrasonic analysis of carotid vibration as a diagnostic method in carotid insufficiency syndrome. Anastassiades AJ, et al. **Phys Med Biol** 21(1):128-33, Jan 76

Normal and pathological respiratory sounds analyzed by means of a new phonopneumographic apparatus. Grassi C, et al. **Respiration** 33(4):315-24, 1976

SOY BEANS

Greater bile acid excretion with soy bean than with cow milk in infants. Potter JM, et al. **Am J Clin Nutr** 29(5):546-51, May 76

Milk sensitivity and soybean sensitivity in the production of eczematous manifestations in breast-fed infants with particular reference to intrauterine sensitization. Kuroume T, et al. **Ann Allergy** 37(1):41-6, Jul 76

The carriage of Rhizobium by leguminous seeds after floral spray. Jain MK, et al. **Ann Microbiol (Paris)** 125(4):447-54, May-Jun 74

The distribution and binding of cadmium in oyster, soybean, and rat liver and kidney. Casterline JL Jr, et al. **Arch Environ Contam Toxicol** 3(3):319-29, 1975

Improving the production of legumes and oilseeds. Pinchinat AM. **Basic Life Sci** 7:325-9, 1976 (14 ref.)

[14C]leucine incorporation into proteins of pancreatic juice in rats fed soya-bean flour. Fölsch UR, et al. **Br J Nutr** 36(2):281-8, Sep 76

Dietary chloride requirement of broiler chicks fed on a wheat-soya bean diet. Gardiner EE, et al. **Br Poult Sci** 17(3):337-40, May 76

Soybean flower-to-seed movement of epiphytic bacteria. Leben C. **Can J Microbiol** 22(3):429-31, Mar 76

The soybean answer to food costs. Stoughton TC. **Dimens Health Serv** 53(1):29, 31, Jan 76

The soybean trypsin inhibitor (Kunitz) is a doubleheaded inhibitor. Quast U, et al. **Hoppe Seylers Z Physiol Chem** 356(5):617-20, May 75

Binding of Zn(II) by the 11S fraction of soybean proteins. Appu Rao AG, et al. **J Agric Food Chem** 24(3):487-90, May-Jun 76

Binding of Ca(II), Mg(II), and Zn(II) by 7S fraction of soybean proteins. Appu Rao AG, et al. **J Agric Food Chem** 24(3):490-4, May-Jun 76

Soybean trypsin inhibitor activity of soy infant formulas and its nutritional significance for the rat. Churella HR, et al. **J Agric Food Chem** 24(2):393-7, Mar-Apr 76

Uptake of ethylenebis(dithiocarbamate) fungicides and ethylenethiourea by soybeans. Nash RG. **J Agric Food Chem** 24(3):596-601, May-Jun 76

Synthesis and isolation of 1-hydroxy-2-propyl 3-chlorocarbanilate from soybean plants treated with isopropyl 3-chlorocarbanilate. Wiedmann JL, et al. **J Agric Food Chem** 24(3):588-92, May-Jun 76

Oilseed flour for human food. Bastiaens FG. **J Am Oil Chem Soc** 53(6):310-5, Jun 76

Effects of feeding formaldehyde treated, full fat soybean flours on milk fat polyunsaturated fatty acids. Bitman J, et al. **J Am Oil Chem Soc** 52(10):415-8, Oct 75

Chick edema factor: removal from soybean oil. Mounts TL, et al. **J Am Oil Chem Soc** 53(3):105-7, Mar 76

Incorporation of (1-14C) acetate into phospholipids by soybean seedlings. Negishi T. **J Am Oil Chem Soc** 53(2):76-9, Feb 76

Salt supplementation of corn-soy diets for swine. Hagsten I, et al. **J Anim Sci** 42(1):12-5, Jan 76

Assessment of the quantity of biologically available choline in soybean meal. Molitoris BA, et al. **J Anim Sci** 42(2):481-9, Feb 76

Effects of dietary soy or urea nitrogen and feeding frequency

on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. Prior RL. **J Anim Sci** 42(1):160–7, Jan 76

Assessment of the concentration of biologically available vitamin B–6 in corn and soybean meal. Yen JT, et al. **J Anim Sci** 42(4):866–70, Apr 76

Effect of processing soybeans on their use by calves. Prasad DA, et al. **J Dairy Sci** 59(2):329–32, Feb 76

Increasing polyunsaturation of milk fats by feeding formaldehyde protected sunflower–soybean supplement. Wrenn TR, et al. **J Dairy Sci** 59(4):627–35, Apr 76

Plasma amino acids of infants consuming soybean proteins with and without added methionine. Graham GG, et al. **J Nutr** 106(9):1307–13, Sep 76

Role of coprophagy in masking dietary deficiencies of cystine in the rat. Kwong E, et al. **J Nutr** 105(11):1457–65, Nov 75

Bioavailability of zinc in milk and soy protein–based infant formulas. Momčilović B, et al. **J Nutr** 106(7):913–7, Jul 76

Studies of the digestibility and retention of nitrogen and amino acids in rats fed raw or heated soy flour. Nitsan Z, et al. **J Nutr** 106(2):292–9, Feb 76

Enzymic activities in the pancreas, digestive tract and feces of rats fed raw or heated soy flour. Nitsan Z, et al. **J Nutr** 106(2):300–5, Feb 76

Determination of antitrypsin activity on agar plates: relationship between antitrypsin and biological value of soybean for trout. Sandholm M, et al. **J Nutr** 106(6):761–6, Jun 76

Nitrogen retention in men fed varying levels of amino acids from soy protein with or without added L–methionine. Zezulka AY, et al. **J Nutr** 106(2):212–21, Feb 76

Nitrogen retention in men fed isolated soybean protein supplemented with L–methionine, D–methionine, N–acetyl–L–methionine, or inorganic sulfate. Zezulka AY, et al. **J Nutr** 106(9):1286–91, Sep 76

Nutritional value of soya protein and milk coprecipitates in sausage products. Skurray GR, et al. **J Sci Food Agric** 27(2):175–80, Feb 76

Relationship between food containing 'Natto' (fermented soybeans) and the blood pressure of SHR. Hayashi U, et al. **Jpn Heart J** 17(3):343–4, May 76

Levels of urea in the blood and urine of rats fed raw and heated soybean meal. Nitsan Z, et al. **Nutr Metab** 18(5–6):240–4, 1975

The nutritive value of biscuits protein–enriched with soy–bean meal. Gontzea I, et al. **Physiologie** 13(1):3–7, Jan–Mar 76

Fungus–fermented soybeans benefit the life cycle of Japanese quail (Coturnix coturnix japonica). Chah CC, et al. **Poult Sci** 55(3):975–81, May 76

Effect of processing temperature on some indices of nutritional significance for micronized soya beans. Hutton K, et al. **Proc Nutr Soc** 34(2):49A–50A, Sep 75

Effect of micronizing on the utilization of soya beans by growing rats. Hutton K, et al. **Proc Nutr Soc** 34(2):50A–51A, Sep 75

The toxicity of brominated sesame oil and brominated soybean oil in miniature swine. Farber TM, et al. **Toxicology** 5(3):319–36, Mar 76

On the relationship among weight of nodules, their leghaemoglobin and bacteroid content, dry weight, and nitrogen content of soybean. Jain MK, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):732–7, 1975

[Denaturation and enzymatic proteolysis in vitro of protein fractions of soya flour] Bau HM, et al. **Ann Nutr Aliment** 29(4):351–70, 1975 (Eng. Abstr.) **(Fre)**

[Nutritional value and acceptibility of soy proteins in human diet] Derby G, et al. **Ann Nutr Aliment** 29(2):159–77, 1975 (Eng. Abstr.) **(Fre)**

[Statistical evaluation of the therapeutic effect of oil bath] Schoderer K, et al. **Med Welt** 27(35):1638–42, 27 Aug 76 **(Ger)**

[Analysis of volatile aldehydes by radio–gaschromatography (author's transl)] Heimann W, et al. **Z Lebensm Unters Forsch** 159(1):1–5, 29 Sep 75 (Eng. Abstr.) **(Ger)**

[Effect of some vegetable fats on the development of experimental dental caries in golden hamsters] Badzian–Kobos K. **Czas Stomatol** 28(10):953–61, Oct 75 (Eng. Abstr.) **(Pol)**

[Metabolim of oleic acid 125 I: influence of the protein isolated from soy bean (Glycinae max)] Pereira NS, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(1):83–95, Jan–Jun 74 (Eng. Abstr.) **(Por)**

[Changes of serum lipids during parenteral feeding with a 10 percent of soy oil solution (author's transl)] Hernandez Lopez D, et al. **Prensa Med Mex** 40(11–12):346–51, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Letter: Exacerbation of acrodermatitis enteropathica by soya–bean milk feeding. Glasgow JF, et al. **Lancet** 2(7938):769, 18 Oct 75

ANALYSIS

The structure, physical and chemical properties of the soy bean protein glycinin. Badley RA, et al. **Biochim Biophys Acta** 412(2):214–28, 15 Dec 75

Physico–chemical studies on the 11S globulin in soybean seeds: size and shape determination of the molecule. Koshiyama I, et al. **Int J Pept Protein Res** 8(3):283–9, 1976

Selenium content of soybean foods. Ferretti RJ, et al. **J Agric Food Chem** 24(1):54–6, Jan–Feb 76

Studies on lipids of natto. Kiuchi K, et al. **J Agric Food Chem** 24(2):404–7, Mar–Apr 76

Gas chromatographic analysis of oryzalin residues in agricultural crops and soil. Sieck RF, et al. **J Agric Food Chem** 24(3):617–20, May–Jun 76

Chemical composition and lipoxygenase activity in soybeans as affected by genotype and environment. Chapman GW Jr, et al. **J Am Oil Chem Soc** 53(2):54–6, Feb 76

Quantitative content of total polar lipids in soybean seeds. Zhukov AV, et al. **J Am Oil Chem Soc** 53(1):1–7, Jan 76

Gas–liquid chromatographic determination of alachlor (2–chloro–2', 6'–diethyl–N–(methoxymethyl)–acetanilide) herbicide residues in corn and soybeans. Ammann BD, et al. **J Assoc Off Anal Chem** 59(4):859–61, Jul 76

Aflatoxin occurrence on raw and cooked york soybeans inoculated with three aspergillus isolates. Sherertz PC, et al. **J Assoc Off Anal Chem** 59(3):662–5, May 76

Extraction methods and test techniques for detection of vegetable proteins in meat products. I. Qualitative detection of soya derivatives. Hyslop NS. **J Hyg (Camb)** 76(3):329–36, Jun 76

Free fatty acids identified as antitryptic factor in soybeans fermented by Rhizopus oligosporus. Wang HL, et al. **J Nutr** 105(10):1351–5, Oct 75

[Isoenzymes of p–coumarate: CoA ligase from soybean cell suspension cultures (author's transl)] Knobloch KH, et al. **Planta Med** Suppl:102–11, 1975 (Eng. Abstr.) **(Ger)**

[Microbes from soya beans. Inhibition of growth by lipoxygenase isoenzyme] Senser F, et al. **Z Lebensm Unters Forsch** 159(2):103–6, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Detection of dinitrosopentamethylenetetramine (D.P.T.) and phosphites in imported bean sprouts (author's transl)] Iwaida M, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):51–3, 1975 (Eng. Abstr.) **(Jpn)**

[Biological value of manihot flour enriched with fish flour and soybean isolated protein, and casein (author's transl)] de Araujo TM, et al. **Rev Bras Pesqui Med Biol** 8(2):139–42, Mar–Apr 75 (Eng. Abstr.) **(Por)**

[Quantitative content of total polar lipids in soybean seeds Glycine max (L.) Merr] Zhukov AV, et al. **Biokhimiia** 40(5):899–908, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

SPACE FLIGHT

see related
EXTRATERRESTRIAL ENVIRONMENT
SEALED CABIN ECOLOGY
WEIGHTLESSNESS

Recent advances in aerospace medicine. Kendall WF Jr. **Aeromed Rev** (1):1–24, Mar 75 (28 ref.)

Proceedings: Bone mineral content changes in the Skylab astronauts. Vogel JM, et al. **Am J Roentgenol** 126(6):1296–7, Jun 76

Method for collecting naturally occurring airborne bacterial spores for determining their thermal resistance. Puleo JR, et al. **Appl Microbiol** 30(5):786–90, Nov 75

Final report of the Advisory Committee for Radiation Biology Aspects of the SST: cosmic radiation exposure in supersonic and subsonic flight. **Aviat Space Environ Med** 46(9):1170–85, Sep 75

Measurement of a single tendon reflex in conjunction with a myogram: the second manned Skylab mission. Baker JT, et al. **Aviat Space Environ Med** 47(4):400–2, Apr 76

Pre– and postflight systolic time intervals during LBNP: the second manned Skylab mission. Bergman SA Jr, et al. **Aviat Space Environ Med** 47(4):359–62, Apr 76

Medical legacy of Skylab as of May 9, 1974: the manned Skylab missions. Berry CA. **Aviat Space Environ Med** 47(4):418–24, Apr 76

Crew health status and monitoring summary: the second manned Skylab mission. Buchanan P. **Aviat Space Environ Med** 47(4):413–8, Apr 76

Exercise cardiac output following Skylab missions: the second manned Skylab mission. Buderer MC, et al. **Aviat Space Environ Med** 47(4):365–72, Apr 76

Effect of a 22–day space flight on the lymphoid organs of rats. Durnova GN, et al. **Aviat Space Environ Med** 47(6):588–91, Jun 76

Sleep monitoring: the second manned Skylab mission. Frost JD Jr, et al. **Aviat Space Environ Med** 47(4):372–82, Apr 76

Physiologic and anti–G suit performance data from YF–16 flight tests. Gillingham KK, et al. **Aviat Space Environ Med** 47(6):672, Jun 76

Lower body negative pressure: the second manned Skylab mission. Johnson RL, et al. **Aviat Space Environ Med** 47(4):347–53, Apr 76

Hematology and immunology studies: the second manned Skylab mission. Kimzey SL, et al. **Aviat Space Environ Med** 47(4):383–90, Apr 76

Renal effects of continuous negative pressure breathing. Kinney MJ. **Aviat Space Environ Med** 46(11):1358–62, Nov 75

Metabolic and endocrine studies: the second manned Skylab mission. Leach CS, et al. **Aviat Space Environ Med** 47(4):402–10, Apr 76

Volatile organic components in the Skylab 4 spacecraft atmosphere. Liebich HM, et al. **Aviat Space Environ Med** 46(8):1002–7, Aug 75

Effects of pyrobenzamine and plimasin on fighter pilots flying a fighter intercept mission in the F4D flight simulator. Maioriello RP. **Aviat Space Environ Med** 46(9):1191–3, Sep 75

Investigation of human cerebral circulation in spaceflight conditions. Moskalenko YE, et al. **Aviat Space Environ Med** 46(8):1023–6, Aug 75

Determination of cardiac size following space missions of different durations: the second manned Skylab mission. Nicogossian A, et al. **Aviat Space Environ Med** 47(4):362–5, Apr 76

LDH isoenzymes of skeletal muscles of rats after space flight and hypokinesia. Portugalov VV, et al. **Aviat Space Environ Med** 47(8):834–8, Aug 76

Effect of space flight factors on the mammal: experimental–morphological study. Portugalov VV, et al. **Aviat Space Environ Med** 47(8):813–6, Aug 76

Morphological manifestations of functional changes in the hypothalamic–pituitary neurosecretory system and kidneys of rats after space flight. Savina EA, et al. **Aviat Space Environ Med** 47(8):853–5, Aug 76

Pulmonary function evaluation during the Skylab and Apollo–Soyuz missions. Sawin CF, et al. **Aviat Space Environ Med** 47(2):168–72, Feb 76

Quantitative electrocardiography during extended space flight: the second manned Skylab mission. Smith RF, et al. **Aviat Space Environ Med** 47(4):353–9, Apr 76

Bone mineral changes: the second manned Skylab mission. Vogel JM, et al. **Aviat Space Environ Med** 47(4):396–400, Apr 76

Mineral and nitrogen balance study observations: the second manned Skylab mission. Whedon GD, et al. **Aviat Space Environ Med** 47(4):391–6, Apr 76

Biostereometric analysis of body form: the second manned Skylab mission. Whittle MW, et al. **Aviat Space Environ Med** 47(4):410–2, Apr 76

Life support requirements astronauts. Part 2. Bioregeneration of food. Calloway DH, et al. **Environ Biol Med** 1(4):229–41, May 72

Microbiologic assay of space hardware. Favero MS. **Environ Biol Med** 1(1):27–36, May 71

Clothing and personal hygiene of astronauts. Jones WL. **Environ Biol Med** 2(3):179–81, 1976

Life support requirements of astronauts. Part 2. Development of stored food and water systems. Lachance PA. **Environ Biol Med** 1(4):205–28, May 72

Influence of abnormal postural and sensory conditions on human sensorimotor localization. Lackner JR. **Environ Biol Med** 2(3):137–77, 1976 (271 ref.)

Planetary quarantine. Control of microbial contamination. McDade JJ. **Environ Biol Med** 1(1):37–62, May 71

Planetary quarantine. Sterilization of space hardware. Pflug IJ. **Environ Biol Med** 1(1):63–81, May 71

Life support requirements of astronauts. Part 2. Chemically regenerated foods. Shapira J. **Environ Biol Med** 1(4):243–51, May 72

Contamination of planets by nonsterile flight hardware. Wolfson RP, et al. **Environ Biol Med** 1(1):99–120, May 71

Temporal relationships of urinary constituents before and after long duration space flight. pp. 81–99. Leach CS, et al.
In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.

Antarctic microbiology–preparation for Mars life detection, quarantine, and back contamination. pp. 57–82. Cameron RE, et al.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Effects of extended space flight on body form of Skylab astronauts using biostereometric methods. pp. 588–9. Whittle MW, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Solar power via satellite. pp. 433–46. Glaser PE, et al.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Vestibular problems in space flight. pp 211–17. Johnson WH, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

High–LET particles in manned spaceflight—preliminary report. pp. 1164–71. Benton EV, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Studies on the effects of cosmic HZE–particles on different biological systems in the biostack experiments I and II flown on board of Apollo 16 and 17. pp. 1138–51. Bücker H, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Particle dosimetry by track etching, with applications to Apollo astronauts and to heavy radionuclide mapping in biological systems. pp. 570–80. Fleischer RL.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Effects of cosmic heavy ions on Artemia egg development. pp. 1152–63. Planel H, et al.
In: Nygaard OF, et al., ed. Radiation research:

biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Biorhythms of a nonhuman primate in space. pp. 424–8. Hoshizaki T.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Hydrocortisone and ACTH levels in manned spaceflight. pp. 441–7. Leach CS, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Rhythmic variation in heart rate and respiration rate during space flight—Appollo 15. pp. 435–40. Rummel JA.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

The human circadian system and aerospace travel. pp. 448–50. Simpson HW.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Cycloecology in space on the moon and beyond. pp. 417–23. Strughold H.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Effect of Skylab missions on clinical and microbiologic aspects of oral health. Brown LR, et al.
J Am Dent Assoc 93(2):357–63, Aug 76

Preliminary research on body displacement during lunar walking. Scano A. **J Sports Med Phys Fitness** 15(3):177–80, Sep 75

Calcium and phosphorus change of the Apollo 17 crew members. Rambaut PC, et al. **Nutr Metab** 18(2):62–9, 1975

Response to weightlessness. Saunders JF.
Prog Biometeorol 1 Pt 1B:482–5, 611–8, 1974 (143 ref.)

Visual sensations induced by relativistic pions. McNulty PJ, et al. **Radiat Res** 66(3):519–30, Jun 76

Editorial: Satellites for public service? Christenson RP.
South Med J 69(4):386–7, Apr 76

Surgical aspects of space flight. Musgrave S. **Surg Annu** 8:1–23, 1976

[Physicians astronauts] Kořenek J. **Vnitr Lek** 21(9):935–6, Sep 75 **(Cze)**

[Man in space. Evolution of his role before and after medical evaluation of the Apollo and Skylab missions] Evrard E. **Brux Med** 55(4):181–94, Apr 75 (Eng. Abstr.) **(Fre)**

[The eye and space] Perdriel MG. **Bull Soc Ophtalmol Fr** 75(7–8):749–55, Jul–Aug 75 **(Fre)**

[Coriolis acceleration. Vestibulo-vegetative stimulations with regard to the motion sickness of astronauts. Experimental researches] Arslan M, et al. **Minerva Med** 67(36):2347–9, 28 Jul 76 **(Ita)**

[Aeronautic law and aerospace medicine] Bernabei G. **Minerva Med** 67(36):2368–72, 28 Jul 76 **(Ita)**

[San Marco program and possible use of equatorial Italian polygon for biological experiments] Broglio L. **Minerva Med** 67(36):2378–9, 28 Jul 76 **(Ita)**

[Man in space : his capacity before and after medical evaluation of the Apollo and Skylab missions] Bussi L. **Minerva Med** 66(60):3054–7, 15 Sep 75 **(Ita)**

[Terrestrial use of the technological research and of spacial bio-engineering] Castellani A. **Minerva Med** 67(36):2359–63, 28 Jul 76 **(Ita)**

[Some aspects of pollution provoked by middle air and relative prevention] Cianetti E. **Minerva Med** 67(36):2380–5, 28 Jul 76 **(Ita)**

[Program aspects of the IXth Congress of the Aerospace Medicine with regard to the future of the science and aeromedicine and aerospace medicine in Italy] Lomonaco T. **Minerva Med** 67(36):2325–30, 28 Jul 76 **(Ita)**

[Space and soul. Introduction to a new space humanism] Magni UP. **Minerva Med** 67(36):2373–7, 28 Jul 76 **(Ita)**

[Current knowledge concerning the nutrition of the aviator and astronaut] Scano A. **Minerva Med** 67(37):2401–19, 4 Aug 76 **(Ita)**

[Superiority of astronaut nourishment over routine nourishment in large intestine surgery] Bojanowicz K, et al. **Pol Tyg Lek** 31(13):529–32, 29 Mar 76 (Eng. Abstr.) **(Pol)**

[Cytogenetic analysis of the effect of cosmic flight factors on man] Bobkova NN, et al. **Genetika** 11(9):145–50, 1975 (Eng. Abstr.) **(Rus)**

[Genetic effects in Drosophila cáused by space flight factors in 'Kosmos-573'] Glembotskiĭ IaL, et al. **Genetika** 11(7):70–7, 1975 **(Rus)**

[Preliminary results of morphologic and cytochemical studies of animals that have spent 22 days in space flight aboard ISZ 'Kosmos-605'] Portungalov VV.
Izv Akad Nauk SSSR [Biol] (3):418–29, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Possibility of reproducing the energy expenditure of different operations in the manual control of spacecraft] Baranov VM, et al. **Kosm Biol Aviakosm Med** 9(4):87–9, Jul–Aug 75 **(Rus)**

[Preliminary evaluation of the possibility of using terrestrial mollusca as a component of closed ecological systems] Burenkov MS, et al. **Kosm Biol Aviakosm Med** 9(4):90–2, Jul–Aug 75 **(Rus)**

[Analysis of shielding thickness for radiation protection on prolonged space flights] Dudkin VE, et al.
Kosm Biol Aviakosm Med 9(4):72–4, Jul–Aug 75 **(Rus)**

[Physiological activity of Chlorella following exposure to space flight factors aboard the orbital station 'Saliut'] Galkina TB, et al. **Kosm Biol Aviakosm Med** 9(6):25–30, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[State of vascular regulation and regional hemodynamics in the crew of 'Soiuz-12' and 'Soiuz-13' spaceships before and after flight] Iarullin KhKh, et al.
Kosm Biol Aviakosm Med 10(2):22–30, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Pathophysiology of prolonged hypokinesia] Kovalenko EA. **Kosm Biol Aviakosm Med** 10(1):3–15, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Conditioning of water regenerated from moisture-containing wastes] Luzina TI, et al. **Kosm Biol Aviakosm Med** 10(2):35–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Microbiological aspects of the performance of life support systems during prolonged operation] Nefedov IuG, et al. **Kosm Biol Aviakosm Med** 9(4):19–23, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Problem of 'biological compatibility' of crew members during prolonged space flight and possible directions for its solution] Nefedov IuG, et al.
Kosm Biol Aviakosm Med 10(2):30–4, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Toxic properties of regenerated water containing methyl alcohol] Ostapenko OF, et al.
Kosm Biol Aviakosm Med 9(4):23–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Modification of the colchicine method for determining the duration of the mitotic cycle in higher plants in space flights] Platonova RN, et al. **Kosm Biol Aviakosm Med** 9(4):68–71, Jul–Aug 75 **(Rus)**

[Mathematical model of an experimental ecological system with spatially separated components] Riznichenko GIu, et al. **Kosm Biol Aviakosm Med** 9(4):3–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Control of mineral nutrition of higher plants in biological life support systems] Rozhdestvenskiĭ VI, et al.
Kosm Biol Aviakosm Med 9(6):30–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Composition of the volatile compounds in human sweat and urine] Savina VP, et al. **Kosm Biol Aviakosm Med** 9(6):76–8, Nov–Dec 75 **(Rus)**

[Model of an ecological system closed as regards gas metabolism and with a periodically working autotrophic component. I. Conditions for stability of the atmospheric system] Shabel'nikov VG. **Kosm Biol Aviakosm Med** 9(4):10–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Model of an ecosystem closed as regards gas metabolism and with a periodically working autotrophic component. II. Stability of the periodic cycles] Shabel'nikov VG.
Kosm Biol Aviakosm Med 9(6):36–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Radiobiological characteristics of chilled seedlings as an object for inflight experiments] Shaidorov IuI, et al.
Kosm Biol Aviakosm Med 9(5):22–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Method of complex assessment of an operator's performance on trainers] Skvortsov EM, et al.
Kosm Biol Aviakosm Med 9(5):88–90, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Biorhythmic selection of cosmonauts] Stepanova SI.
Kosm Biol Aviakosm Med 9(4):40–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Results of mammalian cell culture exposure on artificial earth satellites] Sushkov FV, et al. **Kosm Biol Aviakosm Med** 10(2):58–63, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of cystamine on the performance of human operators] Vasin MV, et al. **Kosm Biol Aviakosm Med** 9(5):54–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

['Soiuz–Apollo' experimental flight. Preliminary results of medicobiological studies, carried out during the flight of 'Soiuz–19' spaceship] Vorob'ev EI, et al.
Kosm Biol Aviakosm Med 10(1):15–22, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Experimental ecological systems including man] Gitel'zon II, et al. **Probl Kosm Biol** (28):11–311, 1975 **(Rus)**

INSTRUMENTATION

A Z-axis recumbent rotating device for use in parabolic flight. Graybiel A, et al. **Aviat Space Environ Med** 47(8):893, Aug 76

METHODS

[Aspects of radiation protection and spatial quarantine in cosmic biology] Milcu SM, et al.
Sante Publique (Bucur) 18(1):19–25, 1975 (Eng. Abstr.) **(Fre)**

SPACE PERCEPTION

Visual pattern interpretable as reversible or figure-background. Radilová J, et al.
Act Nerv Super (Praha) 17(1):54–5, Mar 75

The effect of irrelevant spatial correspondences on two-choice response-time. Hedge A, et al.
Acta Psychol (Amst) 39(6):427–39, Dec 75

Detection of one-, two-, and three-dimensional Markov constraints in visual displays II: Multistate displays. Pollack I. **Acta Psychol (Amst)** 39(4):251–62, Aug 75

The development of spatial representations of large-scale environments. Siegel AW, et al. **Adv Child Dev Behav** 10:9–55, 1975 (192 ref.)

Marked accommodation, retinal stretch, monocular space perception and retinal receptor orientation. Enoch JM.
Am J Optom Physiol Opt 52(6):376–92, Jun 75

Errors in space perception due to accommodative retinal advance. Miles PW. **Am J Optom Physiol Opt** 52(9):600–3, Sep 75

Homospatial thinking in creativity. Rothenberg A.
Arch Gen Psychiatry 33(1):17–26, Jan 76

Reproduction of Kohs-type figures by Ghanaian children: orientation errors revisited. Jahoda G. **Br J Psychol** 67(2):203–11, May 76

Spatial perception in the blind. Jones B. **Br J Psychol** 66(4):461–72, Nov 75

Spatial memory by blind and sighted children. Millar S. **Br J Psychol** 66(4):449–59, Nov 75

Quantity conceptions in university students: another look. Rowell JA, et al. **Br J Psychol** 67(1):1–10, Feb 76

Unilateral spatial neglect and impairments of spatial analysis and visual perception. Oxbury JM, et al. **Brain** 97(3):551–64, Sep 74

Spatial localization in sequential letter displays. Hearty PJ, et al. **Can J Psychol** 29(4):348–59, Dec 75

Perceptual information in conservation: effects of screening. Miller PH, et al. **Child Dev** 46(2):588–92, Jun 75

Perceptual training of height and brightness seriation in kindergarten children. Timmons SA, et al. **Child Dev** 46(4):1030–4, Dec 75

Estimates of the length of highway guidelines and spaces. Harte DB. **Hum Factors** 17(5):455–60, Oct 75

Transparency and the suicide potential: a reply to the discussion by Olivier Flournoy. Roth D.
Int J Psychoanal 56(2):255–7, 1975

Monaural localization of low-pass noise bands in the horizontal plane. Belendiuk K, et al. **J Acoust Soc Am** 58(3):701–5, Sep 75

Tactile localization of sounds: acuity, tracking moving sources, and selective attention. Frost BJ, et al.
J Acoust Soc Am 59(4):907–14, Apr 76

Pinna disparity processing: a case of mistaken identity? Hebrank JH. **J Acoust Soc Am** 59(1):220–1, Jan 76

Comparison between two methods of response for auditory localization in the azimuth plane. Heyes AD, et al.
J Acoust Soc Am 58(6):1336–9, Dec 75

Lateralization of high frequencies based on interaural time differences. McFadden D, et al. **J Acoust Soc Am** 59(3):634–9, Mar 76

Recognition masking of auditory lateralization and pitch judgments. Massaro DW, et al. **J Acoust Soc Am** 59(2):434–41, Feb 76

Underwater localization of pulsed pure tones by the California sea lion(Zalophus californianus). Moore PW, et al. **J Acoust Soc Am** 58(3):721–7, Sep 75

Individual differences in pure-tone localization. Russell G. **J Acoust Soc Am** 60(1):270–2, Jul 76

Lateralization of repeated filtered transients. Yost WA.
J Acoust Soc Am 60(1):178–81, Jul 76

Processing auditory information: interaction of two population stereotypes. Simon JR, et al. **J Appl Psychol** 61(3):354–8, Jun 76

Judgements of auditory position by spastic and non-handicapped children: the application of choice theory measures. Jones B, et al. **J Child Psychol Psychiatry** 17(3):199–204, Jul 76

Spatial vs. nonspatial reasoning ability in chronic schizophrenics. Hartlage LC, et al. **J Clin Psychol** 32(2):235–7, Apr 76

Texture gradient registration and the development of slant perception. Degelman D, et al. **J Exp Child Psychol** 21(2):339–48, Apr 76

A developmental study of the recall of spatial location. von Wright JM, et al. **J Exp Child Psychol** 20(1):181–91, Aug 75

Memory for descriptive and spatial information in complex pictures. Mandler JM, et al.
J Exp Psychol [Hum Learn] 2(1):38–48, Jan 76

Spatial probability learning by alcoholic Korsakoff patients. Oscar-Berman M, et al. **J Exp Psychol [Hum Learn]** 2(2):215–22, Mar 76

Spatial probability learning by alcoholic Korsakoff patients. Wikmark G. **J Exp Psychol [Hum Learn]** 2(2):215–22, Mar 76

Judging up and down. Clark HH, et al.
J Exp Psychol [Hum Percept] 1(4):339–52, Nov 75

On the relation between time and space in the visual discrimination of velocity. Lappin JS, et al.
J Exp Psychol [Hum Percept] 1(4):383–94, Nov 75

Attending to forty-nine spatial positions at once. Shiffrin RM, et al. **J Exp Psychol [Hum Percept]** 2(1):14–22, Feb 76

Egocentric error and the construct of egocentrism. Eliot J, et al. **J Genet Psychol** 128(2):275–89, Jun 76

Age differences in the speed of a spatial cognitive process. Gaylord SA, et al. **J Gerontol** 30(6):674–8, Nov 75

Visual localization in patients with unilateral brain disease. Hannay HJ, et al. **J Neurol Neurosurg Psychiatry** 39(4):307–13, Apr 76

Interference with line-orientation sensitivity. Westheimer G, et al. **J Opt Soc Am** 66(4):332–8, Apr 76

Waiting for a crowd: the behavioral and perceptual effects of anticipated crowding. Baum A, et al.
J Pers Soc Psychol 32(4):671–9, Oct 75

Localization of two noise sources overlapping in time. Thurlow WR, et al. **J Speech Hear Res** 18(4):663–71, Dec 75

Visual perception of line direction in patients with unilateral brain disease. Benton A, et al. **Neurology (Minneap)** 25(10):907–10, Oct 75

The Poggendorff Illusion and estimates of transverse extent. Finlay DC, et al. **Percept Mot Skills** 41(1):143–8, Aug 75

Development of spatial concepts in visually deprived

children. Hartlage LC. **Percept Mot Skills** 42(1):255–8, Feb 76

Use of perceptually based apparatus to train adult women's performance on a Piagetian measure of the horizontality concept. Leino V, et al. **Percept Mot Skills** 42(2):363–9, Apr 76

Effect of target separation on selective attention. Solman RT. **Percept Mot Skills** 41(3):755–60, Dec 75

Riemannian geometries of variable curvature in visual space: visual alleys, horopters, and triangles in big open fields. Battro AM. **Perception** 5(1):9–23, 1976

Psychophysical measurement of cortical color mechanisms not sensitive to spatial frequency. Meyer G. **Perception** 5(2):143–5, 1976

A vector model for perceived object rotation and translation in space. Börjesson E, et al. **Psychol Res** 38(2):209–30, 18 Dec 75

The structure of haptic space in the blind and sighted. Brambring M. **Psychol Res** 38(3):283–302, 10 Feb 76

Determinants of the Zöllner illusion. Oyama T. **Psychol Res** 37(3):261–80, 6 Mar 75

The unimportance of explicit spatial information in serial recall of visually presented lists. Hitch G, et al. **Q J Exp Psychol** 27(2):161–4, May 75

Knowledge of spatial relations: a preliminary investigation. Wilton RN, et al. **Q J Exp Psychol** 27(2):251–7, May 75

Critical duration for resolution of acuity targets. Brown JL, et al. **Vision Res** 16(3):309–15, 1976

The spatial frequency effect on perceived velocity. Diener HC, et al. **Vision Res** 16(2):169–76, 1976

Spatial contrast sensitivity of myopic subjects. Fiorentini A, et al. **Vision Res** 16(4):437–8, 1976

Electronics for a study of masking in spatial frequency channels. Fischer CW. **Vision Res** 16(6):667–70, 1976

Some experiments bearing on the hypothesis that the visual system analyses spatial patterns in independent bands of spatial frequency. Henning GB, et al. **Vision Res** 15:887–97, Aug–Sep 75

Local retinal adaptation and spatial frequency channels. Jones RM, et al. **Vision Res** 15(11):1239–44, Nov 75

Linked changes in spatial integration, size discrimination, and increment threshold with change in background diameter. Matin L, et al. **Vision Res** 16(8):847–60, 1976

Evidence against narrow-band spatial frequency channels in human vision: the detectability of frequency modulated gratings. Stromeyer CF III, et al. **Vision Res** 15:899–910, Aug–Sep 75

Reaction times in the detection of gratings by human observers: a probabilistic mechanism. Tolhurst DJ. **Vision Res** 15:1143–9, Oct 75

Perception time and spatial frequency. Vassilev A, et al. **Vision Res** 16(1):89–2, Jan 76

The role of convergence in visual space perception. von Hofsten C. **Vision Res** 16(2):193–8, 1976

Temporal and spatial interference with vernier acuity. Westheimer G, et al. **Vision Res** 15:1137–41, Oct 75

Color and brightness contrast effects as a function of spatial variables. Yund EW, et al. **Vision Res** 15:917–29, Aug–Sep 75

[Investigation into the structure of space in normal and mentally handicapped children (author's transl)] Guignard R. **Acta Paedopsychiatr (Basel)** 41(2):70–82, 1975 (Eng. Abstr.) **(Fre)**

[Spatial value of the fovea in young children] Lobstein-Henry Y. **Arch Ophtalmol (Paris)** 35(4):347–60, Apr 75 (85 ref.) **(Fre)**

[Spatial localization of sound by pointing with the hand in the blind: preliminary results] Martinez F, et al. **Neuropsychologia** 14(2):251–5, 1976 (Eng. Abstr.) **(Fre)**

[Problems raised by the production of spatial models by blind children: an experimental study] Robin M, et al. **Perception** 5(1):39–49, 1976 (Eng. Abstr.) **(Fre)**

[Orthophony test. Spatial and temporal orientation] Dubois G. **Rev Laryngol Otol Rhinol (Bord)** 96(7–8):361–72, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Binocular fusion and spatial localization of vertical and horizontal gratings of different spatial frequencies] Rigaudiere F. **Vision Res** 15:931–8, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Space localization in cases of disorders of ocular motility in the horizontal plane] Baranowska-George T, et al. **Klin Oczna** 46(7):749–54, Jul 76 (Eng. Abstr.) **(Pol)**

[Resistance of bats to prolonged longitudinal gravitational stresses] Alrapet'iants ESh, et al. **Kosm Biol Aviakosm Med** 9(4):79–80, Jul–Aug 75 **(Rus)**

[Change of spatial assessment of motion after caloric stimulation of the vestibular apparatus] Voinova II. **Vestn Otorinolaringol** (5):42–5, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Developmental effects of neonatal sex hormones on spatial and activity skills in the white rat. Dawson JL, et al. **Biol Psychol** 3(3):213–29, Nov 75

PHYSIOLOGY

Cerebral lateralization and spatial ability. Levy J. **Behav Genet** 6(2):171–88, Apr 76

Spatial and chromatic properties of neurons subserving foveal and parafoveal vision in rhesus monkey. Poggio GF, et al. **Brain Res** 100(1):25–59, 12 Dec 75

Cognitive and perceptual factors in adaptation to auditory-visual conflict. 153–60. Bertelson P, et al. **In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.**

Visuomotor adaptation: introductory remarks. pp. 121–3. Paillard J. **In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.**

Independent and interdependent processes in prism adaptation. pp. 139–51. Prablanc C, et al. **In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.**

The remapping of visual space. Gouras P. **Invest Ophthalmol** 14(10):719–23, Oct 75 (29 ref.)

Delayed-matching and delayed-response deficit from cooling dorsolateral prefrontal cortex in monkeys. Bauer RH, et al. **J Comp Physiol Psychol** 90(3):293–302, Mar 76

Preselection in short-term motor memory. Stelmach GE, et al. **J Exp Psychol [Hum Learn]** 1(6):745–55, Nov 75

Posterior parietal association cortex of the monkey: command functions for operations within extrapersonal space. Mountcastle VB, et al. **J Neurophysiol** 38(4):871–908, Jul 75

Retinal pigmentation and space perception: a failure to replicate. Jahoda G. **J Soc Psychol** 97(First Half):133–4, Oct 75

Tactile and visuo-spatial discrimination performance in the monkey: the effects of total and partial posterior parietal removals. Ridley RM, et al. **Neuropsychologia** 13(2):191–206, Apr 75

Laterality, hand preference, and human spatial ability. Mc Gee MG. **Percept Mot Skills** 42(3):781–2, Jun 76

Independence of hand preference and sex-linked genetic effects on spatial performance. Yen WM. **Percept Mot Skills** 41(1):311–8, Aug 75

Genetic analysis of water maze discrimination learning for Mus musculus: polygenes and albinism. Elias MF, et al. **Physiol Behav** 14(6):833–8, Jun 75

Effects of dorsomedial thalamic lesions on spatial discrimination reversal in the rat. Means LW, et al. **Physiol Behav** 14(6):725–9, Jun 75

The interaction of dichoptically presented spatial gratings. Bacon JH. **Vision Res** 16(4):337–44, 1976

Sensitivity to spatial frequency and contrast of visual cells in the cat superior colliculus. Bisti S, et al. **Vision Res** 16(3):247–51, 1976

Images and afterimages of sinusoidal gratings. Corwin TR, et al. **Vision Res** 16(4):345–9, 1976

[Contingent negative variation in 10-year-old children. Relations with the type of performance in a task of spatial localization] Lancry A. **Electroencephalogr Clin Neurophysiol** 40(6):561–70, Jun 76 (Eng. Abstr.) **(Fre)**

[Characteristics of monocular perception of line orientation by the right and left eyes and their possible neurophysiological mechanisms] Leushina LI, et al. **Dokl Akad Nauk SSSR** 229(1):237–40, JUL–AUG 76 **(Rus)**

[The functional role of the retino-tecto-thalamo-cortical system in rats] Akopian EV, et al. **Zh Evol Biokhim Fiziol** 12(2):206–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Spatial perception of stimuli during unilateral exclusion of the temporal portion of the neocortex by cold] Shcherbakov VI, et al. **Zh Vyssh Nerv Deiat** 25(1):144–8, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

SPARGANOSIS

IMMUNOLOGY

Studies on Spirometra theileri (Baer, 1925) n. comb. 3. Acquired immunity to reinfection with plerocercoids in mice. Opuni EK, et al. **J Helminthol** 49(3):199–204, Sep 75

PARASITOLOGY

On a case of long term migration of Spirometra erinacei larva in the breast of a woman. Yamane Y, et al. **Yonago Acta Med** 19(3):207–213, Dec 75

PATHOLOGY

Sparganosis in the United States. Report of a case. Taylor RL. **Am J Clin Pathol** 66(3):560–4, Sep 76

Subcutaneous sparganosis—a case report. Chen TY, et al. **J Formosan Med Assoc** 74(7):515–6, Jul 75

SPARGANUM see under **CESTODA**

SPARSOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SPARTEINE

ANALOGS & DERIVATIVES

Analogues of sparteine. II. Synthesis of N-monoalkylbispidines and N,N'-dialkylbispidines. Smissman EE, et al. **J Org Chem** 41(9):1593–7, 30 Apr 76

PHARMACODYNAMICS

Aminopyridines and sparteine as inhibitors of membrane potassium conductance: effects on Myxicola giant axons and the lobster neuromuscular junction. Schauf CL, et al. **J Pharmacol Exp Ther** 197(2):414–25, May 76

[AV-conduction system under high doses of ajmaline binitrate and sparteine. Animal experiments using bundle of His electrography] Wester HA, et al. **Verh Dtsch Ges Inn Med** 81:194–6, 1975 **(Ger)**

[Effect of sparteine sulfate on the predamaged conduction system of the heart] Nordeck E, et al. **Z Kardiol** 64(5):411–8, May 75 (Eng. Abstr.) **(Ger)**

[Mechanism of the stimulating effect of pachycarpine on the uterus] Tantsiura VS, et al. **Pediatr Akush Ginekol** :59–60, May–Jun 76 **(Ukr)**

THERAPEUTIC USE

[Eutergine and retinal arteriosclerosis] Ourgaud AG, et al. **Bull Soc Ophtalmol Fr** 75(5–6):591–607, May–Jun 75 **(Fre)**

[Treatment of cardiac rhythm disorders with pulsnorm] Zamotaev IP, et al. **Klin Med (Mosk)** 53(7):57–61, Jul 75 (Eng. Abstr.) **(Rus)**

SPASM

see related
MUSCLE CRAMP
MYOTONIA

Coronary artery spasm: a new appraisal. Kattus AA. **Annu Rev Med** 27:69–72, 1976

Urinary catheterization in severe sphincter spasticity: report of two cases. Gans BM, et al. **Arch Phys Med Rehabil** 56(11):498, Nov 75

Unilateral painful vasospasm in the lower limbs of young women. Huygens HJ. **Aust NZ J Surg** 45(2):147–51, May 75

Functional tonic extensor spasms. Jauhari JS, et al. **J Indian Med Assoc** 64(9):237–8, 1 May 75

A Case of stiff-man syndrome. Desai AD, et al. **Neurol India** 23(3):156–61, Sep 75

[Handwriting spasm] Nowak H, et al. **Nervenarzt** 46(6):308–13, Jun 75 **(Ger)**

[Retinal vascular spasm. Autonomic mediation. Treatment] Cristea E. **Rev Chir [Oftalmol]** 19(4):283–5, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Diagnosis and treatment of accommodation spasm] Averbukh SL. **Vestn Oftalmol** (1):46–9, 1976 (Eng. Abstr.) **(Rus)**

[Facial hemispasm] Mironenko IuT. **Zh Ushn Nos Gorl Bolezn** (2):114–5, Mar–Apr 75 **(Rus)**

CHEMICALLY INDUCED

Release of spasmogens from lung by physical stimuli. Said SI. **Agents Actions** 6(4):558–9, Jul 76

Letter: Oxytocin-induced venous spasm? Plumer MH. **Anesthesiology** 44(1):87–8, Jan 76

Severe vasospasm following ergot administration. Robb LG. **West J Med** 123(3):231–5, Sep 75

COMPLICATIONS

Spasm of the ophthalmic artery in a case of posttraumatic amaurosis. Case report. Brihaye J, et al. **Acta Neurochir (Wien)** 33(3–4):319–24, 1976

Coronary artery spasm as the cause of myocardial infarction during coronary arteriogarphy. Engel HJ, et al. **Am Heart J** 91(4):501–6, Apr 76

Editorial: The advantages of a vasospastic cause of myocardial infarction. Hellstrom HR. **Am Heart J** 90(5):545–8, Nov 75

Coronary angiographic, echocardiographic, and electrocardiographic studies on a patient with variant angina due to coronary artery spasm. Widlansky S, et al. **Am Heart J** 90(5):631–5, Nov 75

Knee flexion deformity and patella alta in spastic cerebral palsy. Lotman DB. **Dev Med Child Neurol** 18(3):315–9, Jun 76

Spectrographic comparison of two types of spastic dysphonia. Wolfe VI, et al. **J Speech Hear Disord** 41(3):325–32, AUG 76

Refined carbohydrate, smooth-muscle spasm and disease of the colon. Grimes DS. **Lancet** 1(7956):395–7, 21 Feb 76

Myocardial ischemia from coronary arterial spasm. Gulotta SJ, et al. **Postgrad Med** 59(4):207–11, Apr 76

[Primary and secondary Raynaud's syndrome] Bollinger A, et al. **Schweiz Med Wochenschr** 106(12):415–21, 20 Mar 76 (Eng. Abstr.) **(Ger)**

[Editorial: Coronary artery spasm] Tzivoni D, et al. **Harefuah** 89(8):379–80, 15 Oct 75 **(Heb)**

[Coronary spasm and acute coronary insufficiency (author's transly)] Rizzon P, et al. **G Ital Cardiol** 6(1):35–42, 1976 **(Ita)**

DRUG THERAPY

Clonus depression by propranolol. Mai J, et al. **Acta Neurol Scand** 53(5):395–8, May 76

Effect of diazepam on muscle contraction in spasticity. Verrier M, et al. **Am J Phys Med** 55(4):184–91, Aug 76

Dantrolene sodium: long-term effects in patients with muscle spasticity. Joynt RL. **Arch Phys Med Rehabil** 57(5):212–7, May 76

Suprofen, a potent antagonist of acetic acid-induced writhing in rats. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1505–9, Oct 75

A double-blind trial of methocarbamol versus placebo in painful muscle spasm. Valtonen EJ. **Curr Med Res Opin** 3(6):382–5, 1975

Treatment of spastic cerebral-palsied children with sodium dantrolene. Denhoff E, et al. **Dev Med Child Neurol** 17(6):736–42, Dec 75
Letter: Treatment of spasticity in multiple sclerosis with dantrolene. Horne ML. **JAMA** 235(3):251, 19 Jan 76
Editorial: Clonazepam: a new anticonvulsant. Hussey HH. **JAMA** 235(14):1481–2, 5 Apr 76
Letter: Treatment of spasticity in multiple sclerosis with dantrolene. Tolosa ES, et al. **JAMA** 233(10):1046, 8 Sep 75
Bacloffen (Lioresal) in the long-term management of spasticity. Jones RF, et al. **Med J Aust** 1(18):654–7, 1 May 76
Drug treatment of spasticity and rigidity. Calne DB. **Mod Trends Neurol** 6:205–21, 1975 (55 ref.)
Evaluation of baclofen (Lioresal) for spasticity in multiple sclerosis. Hedley DW, et al. **Postgrad Med J** 51(599):615–8, Sep 75
The effect of Dantrium on spasticity in spinal cord injuries. Jonsson B, et al. **Scand J Rehabil Med** 7(2):61–4, 1975
Treatment of spasticity in multiple sclerosis: comparison of dantrolene sodium and diazepam. Schmidt RT, et al. **Trans Am Neurol Assoc** 100:235–7, 1975
Dantrolene sodium (Dantrium–Eaton) for relief of spasticity. Nelson JR. **West J Med** 123(2):131, Aug 75
[Therapy of spasticity by alcoholization of motor points] Susset V, et al. **Union Med Can** 105(5):697–700, May 76 **(Fre)**
[Therapeutic results with the combination pramiverine/metamizole in a multicentre trial (author's transl)] Koch E, et al. **Arzneim Forsch** 26(4b):745–52, Apr 76 (Eng. Abstr.) **(Ger)**
[Beta-sympathomimetics, causal treatment of EPH–gestosis (author's transl)] Rippmann ET. **Praxis** 65(10):277–82, 9 Mar 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Left main coronary artery spasm. A potential cause for angiographic misdiagnosis of severe coronary artery disease. Murphy ES, et al. **Arch Intern Med** 136(3):350–1, Mar 76
Decorticate spasticity: a re–examination using quantitative assessment in the primate. Tasker RR, et al. **Can J Neurol Sci** 2(3):303–13, Aug 75
Digital vasospasm and infarction associated with hepatitis B antigenemia. Cosgriff TM, et al. **JAMA** 235(13):1362–3, 29 Mar 76
Segmental arterial spasm in patients with total brain infarction. Lörelius LE. **Ups J Med Sci** 81(2):113–8, 1976
'Cephalgic' spasm of head and neck muscles. Poźniak–Patewicz E. **Headache** 15(4):261–6, Jan 76 **(Fre)**
[Relationship between abdominal constriction and diseases] Mimoto R. **Acta Med (Fukuoka)** 45(2):105–8, Apr 75 (Eng. Abstr.) **(Jpn)**
[Complications following pacemaker implantation—with special reference to spasms of the diaphragm and thoracic wall muscles] Tanaka J, et al. **Jpn J Thorac Surg** 28(10):749–52, 1 Oct 75 **(Jpn)**
[Possible role of sensitivization and microdisorders in the arterial blood flow in the pathogenesis of the spasm syndrome in dissecting cerebral aneurysms] Lerman VI, et al. **Zh Nevropatol Psikhiatr** 74(1):13–6, 1974 (Eng. Abstr.) **(Rus)**
[Studies on the etiologic mechanism of traumatic vasospasm] Hyvärinen J, et al. **Lakartidningen** 73(24):2272, 9 Jun 76 **(Swe)**

METABOLISM

[Histochemical study of the facial nerve and of several muscles in Papio papio suffering from facial spasm] Carlier E, et al. **C R Soc Biol (Paris)** 169(3):611–5, 1975 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Hemifacial spasm: ultrastructural changes in the facial nerve induced by neurovascular compression. Ruby JR, et al. **Surg Neurol** 4(4):369–70, Oct 75
[Type 1 fiber hypertrophy in the spastic muscle—clinical and experimental studies] Kinoshita M, et al. **Clin Neurol (Tokyo)** 16(6):417–23, Jun 76 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Cardiovascular responses in tetraplegic man to muscle spasm, bladder percussion and head–up tilt. Corbett JL, et al. **Clin Exp Pharmacol Physiol** Suppl 2:189–93, 1975
Studies of the effect of Jendrassik's manoeuvre on knee jerk in comparison with co–contraction of knee muscles in spastic subjects. Arrigo A, et al. **Electromyogr Clin Neurophysiol** 15(1):45–55, Jan–Apr 75
Dyssynergic vesicourethral responses during bladder rehabilitation in spinal cord injury patients: effects of suprapubic percussion, credé method and bethanechol chloride. Yalla SV, et al. **J Urol** 115(5):575–9, May 76
[Use of Hoffmann's reflex in the study of spasticity in children] Lehovský M, et al. **Cesk Pediatr** 30(9):405–6, Sep 75 (Eng. Abstr.) **(Cze)**
[Spasmodic excitation of the cerebellum] Adams AE. **Hippokrates** 46(2):257–9, Jun 75 **(Ger)**
[Electrophysiological studies of dystonic seizures induced by movement] Hirose N, et al. **Clin Neurol (Tokyo)** 16(1):8–16, Jan 76 (Eng. Abstr.) **(Jpn)**
[Clinical and electroencephalographic study of sobbing spasms] Pavel O, et al. **Rev Med Intern [Neurol Psihiatr]** 20(3):169–75, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

RADIOGRAPHY

Coronary artery spasm. Mehta J, et al. **NY State J Med** 76(3):447–9, Mar 76
Spontaneously and pharmacologically provoked coronary arterial spasm in Prinzmetal variant angina. Higgins CB, et al. **Radiology** 119(3):521–7, Jun 76
Peroneal spastic flatfoot syndrome. Johnson JC. **South Med J** 69(6):807–9, Jun 76

SURGERY

Spasm of left main coronary artery. Tzivoni D, et al. **Br Heart J** 38(1):104–7, Jan 76
Orthopedic management of acquired cerebrospasticity in childhood. Hoffer MM, et al. **Clin Orthop** (110):244–8, Jul–Aug 75
Surgical correction of the spastic hand. Parry RG. **Surg Clin North Am** 56(3):673–84, Jun 76
[Microcoagulation in the treatment of facial spasm (author's transl)] Paulsen K, et al. **HNO** 23(2):47–8, Feb 75 (Eng. Abstr.) **(Ger)**

THERAPY

Spasticity following spinal cord injury. Davis R. **Clin Orthop** (112):66–75, Oct 75
An approach to the treatment of spasticity. Burke DJ. **Drugs** 10(2):112–20, 1975
Trauma or treatment? The role of intermittent traction in the treatment of cervical soft tissue injuries. Weinberger LM. **J Trauma** 16(5):377–82, May 76
Ergot–induced vasospasm of the lower extremities treated with epidural anaesthesia. Semb BK, et al. **Scand J Thorac Cardiovasc Surg** 9(3):254–8, 1975
[About the relief of severe spasticity in paraplegics (author's transl)] Zrubecky G. **Arch Orthop Unfallchir** 85(1):51–9, 18 Jun 76 (Eng. Abstr.) **(Ger)**
[Asthenopias and accommodation spasms and their treatment] Sokolovskiĭ AI. **Oftalmol Zh** 30(5):348–50, 1975 (Eng. Abstr.) **(Rus)**
[Use of a UHF impulse electrical field in autonomic polyneuritis and angiospastic syndrome of the hands of an occupational origin] Chistonogova EA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):270–1, May–Jun 75 **(Rus)**

SPASMOLYTICS see PARASYMPATHOLYTICS

SPASMOPHILIA

DIAGNOSIS

[Proceedings: Spasmophilia in children. Diagnostic considerations] Dubois B, et al. **Arch Fr Pediatr** 32(5):492, May 75 **(Fre)**
[Effects of the technic on the electromyographic positivity of spasmophilia tests] Lerique JL. **Rev Electroencephalogr Neurophysiol Clin** 1(1):128–30, Jan–Mar 71 **(Fre)**

SPATIAL BEHAVIOR

Communication and spatial relationships in a colony of common grackles. Wiley RH. **Anim Behav** 24(3):570–84, Aug 76
Contact stimulation and accelerated sexual maturation of female mice. Drickamer LC. **Behav Biol** 15(1):113–5, Sep 75
EEG correlates of eye contact and interpersonal distance. Gale A, et al. **Biol Psychol** 3(4):237–45, Dec 75
The personal space of hard–of–hearing children after extended contact with 'normals'. Mallenby TW, et al. **Br J Soc Clin Psychol** 14(3):253–7, Sep 75
Spatial preference in the domestic hen. Hughes BO. **Br Vet J** 131(5):560–4, Sep–Oct 75
Defensive distance and immobility in young precocial birds (Gallus gallus). Ginsburg HJ. **Dev Psychobiol** 8(3):281–5, May 75
An analysis of adult social spacing tendencies and related social interactions in a colony of spider monkeys (Ateles geoffroyi) at the San Francisco zoo. Rondinelli R, et al. **Folia Primatol (Basel)** 25(2–3):122–42, 1976
Proxemics, locus of control, anxiety, and type of movement in emotionally disturbed and normal boys. Kendall PC, et al. **J Abnorm Child Psychol** 4(1):9–16, 1976
Classroom seating and psychopathology: some initial data. Gur RC, et al. **J Abnorm Psychol** 85(1):122–4, Feb 76
The early natural history of childhood psychosis. Massie HN. **J Am Acad Child Psychiatry** 14(4):683–707, Autumn 75
Body image boundaries and small group seating arrangements. Greene LR. **J Consult Clin Psychol** 44(2):244–9, Apr 76
Spatial placement of human figure drawings as an indicator of cognitive and personality characteristics among normal young adolescents. Swartz JD, et al. **J Consult Clin Psychol** 44(2):307–8, Apr 76
A note on the relationship between the comfortable interpersonal distance scale and the sociometric status of emotionally disturbed children. Schaefer CE, et al. **J Genet Psychol** 128(First Half):91–3, Mar 76
Conditions affecting boundary response to messages out of awareness. Fisher S. **J Nerv Ment Dis** 162(5):313–22, May 76
Personal space invasions in the lavatory: suggestive evidence for arousal. Middlemist RD, et al. **J Pers Soc Psychol** 33(5):541–6, May 76
The experience of crowding: a two–factor theory. Worchel S, et al. **J Pers Soc Psychol** 34(1):30–40, Jul 76
Body–buffer zone and violence: a cross–cultural study. Roger DB, et al. **J Soc Psychol** 98(Second Half):153–8, Apr 76
The advantage of spacing–out. Taylor J. **J Theor Biol** 59(2):485–90, 7 Jul 76
Determinants of personal space in young children: perception of distance cues. Melson GF. **Percept Mot Skills** 43(1):107–14, Aug 76
Personal space, body image and leadership: an exploratory study. Roger DB. **Percept Mot Skills** 43(1):25–6, Aug 76
Projected social distances from mental patient related items by male and female volunteers and nonvolunteers. Adler LL, et al. **Psychol Rep** 37(2):515–21, Oct 75
Personal space, sex of experimenter, and locus of control in normal and delinquent adolescents. Beck SJ, et al. **Psychol Rep** 38(2):383–7, Apr 76
Castration, testosterone replacement therapy and spacing patterns in laboratory mice (Mus musculus). Miley WM. **Psychol Rep** 38(3 Pt 2):1315–20, Jun 76
The role of audition and motion in the spatial orientation of the blind and the sighted. Juurmaa J, et al. **Scand J Psychol** 16(3):209–16, 1975
The effect of spatial heterogeneity on the persistence of predator–prey interactions. Hilborn R. **Theor Popul Biol** 8(3):346–55, Dec 75
Affiliation between the sexes in common grackles. II: Spatial and vocal coordination. Wiley RH. **Z Tierphysiol** 40(3):244–64, Mar 76
[Preliminary notes on the ontogenetic aspects of the concept of proxemics] Deveaux M, et al. **Ann Med Psychol (Paris)** 1(3):380–7, Mar 75 **(Fre)**

PHYSIOLOGY

Conjugate lateral eye movements as an index of hemispheric activation. Gur RE. **J Pers Soc Psychol** 31(4):751–7, Apr 75

SPECIALISM

Letter: Specialization—another tiger by the tail. Duke M. **Am Heart J** 92(2):265, Aug 76
Changing career specialties within veterinary medicine. Snizek WE, et al. **Am J Public Health** 66(4):381–2, Apr 76
On technologic restraint. Rogers DE. **Arch Intern Med** 135(10):1393–7, Oct 75
Career intentions of senior registrars in general psychiatry. Brook P. **Br J Psychiatry** 128:290–8, Mar 76
Editorial: Specialists (British style). **Br Med J** 1(6009):547, 6 Mar 76
Specialization in veterinary medicine—viewpoint of a general practitioner. Doig PA. **Can Vet J** 16(10):297–301, Oct 75
Specialization—when, where, how. Walker JM. **Can Vet J** 16(10):301–3, Oct 75
The osteopathic concept in its second century: Is it still germane to specialty practice. Greenman PE. **J Am Osteopath Assoc** 75(6):589–95, Feb 76
Sounding board. Proliferation of certification in medical specialties: productive or counterproductive. Chase RS. **N Engl J Med** 294(9):497–9, 26 Feb 76
[New concepts of specialties in therapeutic preventive care] Autoru K. **Zdrav Aktual** (166):1–87, 1968 **(Cze)**
[Royal Dutch Society for Veterinary Medicine; from the Board of Directors. Interim report on progress concerning recognition and registration of veterinary specialists (author's transl)] **Tijdschr Diergeneeskd** 101(4):207–11, 15 Feb 76 **(Dut)**
[Coctail of specialties in pharmacy] Mestre R. **Ann Pharm Fr** 33(6–7):365–72, Jun–Jul 75 **(Fre)**
[Universality and specialism in surgery] Ladányi J. **Orv Hetil** 117(16):947–52, 18 Apr 76 **(Hun)**
[Universality and specialization in internal medicine] Varró V. **Orv Hetil** 117(19):1139–41, 1976 **(Hun)**
[Problems in improving the education and advanced training of specialists with higher pharmaceutical study] Shulkova RS. **Farmatsiia** 24(6):49–51, Nov–Dec 75 **(Rus)**
[Role of personnel in the specialization of the state sanitary inspection of the USSR] Luchina KI, et al. **Gig Sanit** (9):67–70, Sep 75 **(Rus)**
[Specialization in work hygiene in the sanitation and hygiene faculty] Shevchenko AM, et al. **Gig Sanit** (1):47–50, Jan 76 **(Rus)**

HISTORY

The implications of specialization in medicine. Walsh WJ. **Can Vet J** 16(10):295–6, Oct 75

SPECIALTIES, DENTAL

ADA Specialty Practice Conference. Hester HC. **Am J Orthod** 69(3):335, Mar 76
Intraprofessional cooperation, or competition. Salzmann JA. **Am J Orthod** 69(4):469–70, Apr 76
The role of the dental specialist in the hospital. Goldman HM, et al. **Dent Clin North Am** 19(4):665–74, Oct 75
Alternatives in oral health care. II. The role of the specialties.

J Am Coll Dent 43(1):33–69, Jan 76
Why specialization. Graham J, et al. **J Am Dent Assoc** 92(5):875–9, May 76
From the president–elect. Doyle WA. **J Dent Child** 43(4):220–222, Jul–Aug 76
Editorial: The generalist and the specialist. Teuscher GW. **J Dent Child** 43(4):223, Jul–Aug 76
Dental specialties do have a future. Gibbs SJ. **J Dent Educ** 40(3):140–1, Mar 76
Letter: Specialty boards for specialists. Baker RC. **J Oral Surg** 33(11):824, Nov 75
Letter: The legal definition of oral surgery. Baumgarten RS. **J Oral Surg** 34(2):104, Feb 76
Letter: Licensing of specialists. Berringer RD. **J Oral Surg** 34(2):104, Feb 76
Letters to the editor: What is maxillofacial surgery—who are maxillofacial surgeons? Goldberg MH. **J Oral Surg** 33(12):903, Dec 75
Editorial: The art and science of orthognathic surgery. Laskin DM. **J Oral Surg** 33(12):905, Dec 75
Editorial: Be two or not be two... Laskin DM. **J Oral Surg** 34(3):205, Mar 76
Letter: Specialty licensure not required in Connecticut. Zazzaro MJ. **J Oral Surg** 34(4):295, Apr 76
Editorial: Specialist phone listings—a blow at professionalism. Tillis BP. **NY State Dent J** 42(4):202–3, Apr 76
[The medical–dental specialty regulation and the training program for 'Orthodontic specialist'] **Stomatol DDR** 25(8):574–84, Aug 75 **(Ger)**
[Problems of contemporary Polish parodontology. IV. Subspecialization in parodontology] Jańczuk Z. **Czas Stomatol** 28(10):1003–6, Oct 75 **(Pol)**
[Specialization of stomatologists in Poland] Józefowicz W. **Czas Stomatol** 28(10):991–8, Oct 75 (Eng. Abstr.) **(Pol)**

EDUCATION

[The medical–dental specialist regulation and the educational program for 'Specialist for dental surgery'] **Stomatol DDR** 25(9):643–8, Sep 75 (Eng. Abstr.) **(Ger)**

SPECIALTIES, MEDICAL

Editorial: Primary care conference. **Am Fam Physician** 14(1):53, 55, Jul 76
Letter: Spelling of ophthalmology by nonophthalmic physicians. Hagen JC. **Am J Ophthalmol** 81(5):692–3, May 76
Primary care physicians and profiles of their hospitalized patients. Garg ML, et al. **Am J Public Health** 66(4):390–2, Apr 76
Editorial: A lung is a lung is a lung. Waring WW. **Am Rev Respir Dis** 113(1):1–3, 1–2, Jan 76
May the saints preserve us and the speciality of allergy. Eisenberg BC. **Ann Allergy** 36(6):375–80, Jun 76
Letter: Presidential address. Evans RK. **Ann Allergy** 37(3):226, Sep 76
In memoriam. Grace Talbott–Bovill, M.D. 1898–1975. Harris MC. **Ann Allergy** 35(6):402–3, Dec 75
Internal medicine 1976: consequences of subspecialization and technology. Petersdorf RG. **Ann Intern Med** 84(1):92–4, Jan 76
Editorial: Neuro–ophthalmology and medical ophthalmology. A dialogue. Cogan DG, et al. **Arch Ophthalmol** 94(3):393–4, Mar 76
Letter: Hematology and oncology as medical specialties. Prager D. **Blood** 47(1):165–6, Jan 76
Role of the practitioner, public health officer, dermatologist, and other specialists in the teaching, investigation, and treatment of STD. The situation in the U.S.A. **Br J Vener Dis** 52(2):105–6, Apr 76
Letter: The future of venereology. King AJ. **Br J Vener Dis** 52(3):208, Jun 76
General physician and specialist training in thoracic medicine. Britton MG, et al. **Br Med J** 1(6005):331–2, 7 Feb 76
Letter: Specialities within community medicine. St Leger AS. **Br Med J** 1(6011):709, 20 Mar 76
Frequency of hepatitis in specialists in Ontario. Berris B, et al. **Can J Public Health** 66(6):468–70, Nov–Dec 75
Editorial: Psychiatric illness in the medical profession. Vincent MO, et al. **Can Med Assoc J** 115(4):293–6, 21 Aug 76
Psychiatric illness in the medical profession: incidence in relation to sex and field of practice. Watterson DJ. **Can Med Assoc J** 115(4):311–7, 21 Aug 76
Obstetric aspects of perinatology. Gold EM. **Clin Perinatol** 1(1):19–24, Mar 74
The status of perinatal medicine. Nesbitt RE Jr. **Clin Perinatol** 1(1):173–9, Mar 74
Perinatology as a subspecialty. Quilligan EJ. **Clin Perinatol** 1(1):47–51, Mar 74
Depression as seen by nonpsychiatrist physicians. Cassano GB, et al. **Compr Psychiatry** 17(2):315–23, Mar–Apr 76
Editorial: Departments of medical imaging. **Comput Biol Med** 5(1–2):1, Jun 75
The practice of critical care medicine: is it viable? Weil MH, et al. **Crit Care Med** 3(4):173–4, Jul–Aug 75
Editorial: Primary care and specialization. DiBiasio AG. **Eye Ear Nose Throat Mon** 55(3):76–7, Mar 76
Geriatrics as a specialty—problems and prospects. Goldman R. **Gerontologist** 14(6):468–71, Dec 74
Patient referral differences among specialties. Shortell SM, et al. **Health Serv Res** 10(2):146–61, Summer 75
Letter: Laboratory medicine as a specialty. Braunstein H. **Hum Pathol** 6(6):760–2, Nov 75
Letter: Training programs and specialty boards. Reed RJ. **Hum Pathol** 7(3):357–8, May 76
Fragmentation in medicine: continuing proliferation in varieties of certificates of special competence. Varco RL. **Hum Pathol** 7(1):1–2, Jan 76
Allergy—the maturing specialty. Unger DL. **Ill Med J** 149(4):395, Apr 76
Hospital problems of the specialist. pp. 25–9. Nash T. **In: Grant C, ed. Australian hospitals – problems and solutions. Vol 2. Kensington, Univ of New South Wales, 1975. W1 AU697 no.26–27 1975.**
Stomatology revisited. The solution for professional dentistry in American society. De Stefano TM. **J Am Coll Dent** 42(4):224–9, Oct 75
Ambulatory medicine as a career option. Geyman JP. **J Fam Pract** 2(6):405, Dec 75
Choosing a medical specialty: a critique of literature in the light of 'curious findings'. Bruce R, et al. **J Health Soc Behav** 16(2):152–62, Jun 75
The role of specialty societies in continuing education. Hartmann HR. **J Med Assoc Ga** 65(4):116–7, Apr 76
A longitudinal study of medical specialty choice and certainty level. Held ML, et al. **J Med Educ** 50(11):1044–51, Nov 75
Weiskotten survey, class of 1960: a profile of physician location and specialty choice. Schwartz LE, et al. **J Med Educ** 51(7 Pt 1):533–40, Jul 76
Letter: Who should care for the sick newborn infant? Preston EN. **J Pediatr** 87(5):836–7, Nov 75
Letter: Prioritization of components of an emergency medicine residency. Dailey RH. **JACEP** 5(1):46–7, Jan 76
Editorial: ACEP President Graves has the answers. Graves HB. **JACEP** 1(3):205–6, Mar 76
Editorials: On board preparation. Krome RL. **JACEP** 5(5):378, May 76
JAMA Reference Directories. **JAMA** 235(4):376–9, 26 Jan 76
Letter: Specialty board examinations. **JAMA** 236(11):1237, 13 Sep 76
Letter: General Psychiatry as a primary–care specialty. **JAMA** 236(14):1574–5, 4 Oct 76
Whither the speciality boards? Aring CD. **JAMA** 235(17):1849–50, 26 Apr 76
Letter: Credentials vs incompetence. Benson JA Jr. **JAMA** 236(12):1353, 20 Sep 76
Letter: Specialty boards. Chase RA. **JAMA** 236(11):1236–7, 13 Sep 76
Medical school admissions, specialty selection, and distribution of physicians. Cullison S, et al. **JAMA** 235(5):502–5, 2 Feb 76
Letter: AMA specialty journals—thorn or diadem? Warren R. **JAMA** 235(21):2283, 24 May 76
Letter: Joint Committee on Higher Medical Training: enrolment and accreditation. Crofton J. **Lancet** 1(7950):85–6, 10 Jan 76
Letter: Consultant involvement in planning super specialties. Richards BW. **Lancet** 1(7968):1073–4, 15 May 76
Presidential address, 1975: Certification. DeWesse DD. **Laryngoscope** 86(6):755–62, Jun 76
Specialties and the specialty boards. Holden WD. **Laryngoscope** 86(6):763–8, Jun 76
Socialist recognition for the purposes of the health insurance act 1973–1975. **Med J Aust** 2(22):842–3, 29 Nov 75
Letter: Doctors' smoking habits. **Med J Aust** 1(3):71, 17 Jan 76
Medical oncology: the new subspecialty. Kennedy BJ. **Med Pediatr Oncol** 1(1):23–7, 1975
Letter: More on pathologists and microbiologists. Bartlett RC. **N Engl J Med** 294(13):733, 25 Mar 76
Letter: Excessive specialization. Chase RA. **N Engl J Med** 294(23):1297–8, 3 Jun 76
Letter: Careers in specialties not determined by need. Relman AS. **N Engl J Med** 294(13):733–4, 25 Mar 76
Letter: Another view of the 'regional surgeon' concept. McCraw JB. **Plast Reconstr Surg** 57(2):227–8, Feb 76
The specialists in community medicine. Jones AP. **Postgrad Med J** 51 Suppl 2:suppl 15:95–8, 1975
Nephrology opportunities in the military services. Briggs WA. **Proc Clin Dial Transplant Forum** 5:170–2, Nov 75
Institutional nephrology. Butts ES. **Proc Clin Dial Transplant Forum** 5:173–4, Nov 75
The private practice of nephrology. Seltzer SM. **Proc Clin Dial Transplant Forum** 5:175–6, Nov 75
Illinois chapter, American College of Emergency Physicians affiliates with the Institute of Medicine. **Proc Inst Med Chic** 30(9):282–3, Oct–Dec 75
The general practitioner and the specialist. Wilson DG, et al. **Proc R Soc Med** 68(11):704–6, Nov 75
Premedical students' survivability and specialization: a social and psychological study. Manaster GJ, et al. **Psychol Rep** 39(1):35–45, Aug 76
Editorial: Development of a specialty. Litle K. **Resuscitation** 4(4):217–8, 1975
Editorial: The surgical gastroenterologist. Gaisford WD. **Surg Gynecol Obstet** 140(1):86–7, Jan 75
[Contribution of work–capacity–evaluation medicine to the integration of medical specialties] Drbohlav V. **Cesk Zdrav** 24(3):97–8, Mar 76 **(Cze)**
[Future role of the tuberculosis specialist in countries with a low incidence of tuberculosis] Kilpatrick GS. **Bull Int Union Tuberc** 49(1):259–60, 1974 **(Fre)**
[Roles and role representations in the hospital medical team] Ferry–Pierret J. **Cah Sociol Demogr Med** 15(4):147–56, Oct–Dec 75 **(Fre)**
[Training for a state diploma for hearing aid specialists] Morgon A. **J Fr Otorhinolaryngol** 24(7):540–2, Sep 75 **(Fre)**
[The changing function of the chest physician (author's transl)] Schmitz G, et al. **Prax Pneumol** 29(12):692–9, Dec 75 (Eng. Abstr.) **(Ger)**
[The cooperation of general practitioner and practising specialist (author's transl)] Sanz E. **Ther Umsch** 32(11):703–6, Nov 75 (Eng. Abstr.) **(Ger)**
[Oto–rhino–laryngology and maxillofacial surgery–where lies the borderline?] Jakabfi VI, et al. **Wien Med Wochenschr** 125(32–35):472–3, 8 Aug 75 **(Ger)**
[Editorial: Perinatal medicine] Elrad Y, et al. **Harefuah** 90(7):339–41, 1 Apr 76 **(Heb)**
[Letter: Specialist hysterics and other nonsense] Holm H. **Tidsskr Nor Laegeforen** 96(15):901, 30 May 76 **(Nor)**
[Prospects and future tasks of internal medicine as a clinical speciality] Hankiewicz J. **Pol Tyg Lek** 31(4):167–8, 26 Jan 76 **(Pol)**
[The third international symposium on Polar medicine] Shitskova AL. **Gig Sanit** (10):82–4, Oct 75 **(Rus)**
[Role of the medical institute in rendering highly qualified specialized medical care to the population] Kliucharev AA, et al. **Sov Zdravookhr** (11):25–9, 1975 (Eng. Abstr.) **(Rus)**
[Experience in the organization of specialized medical services for the rural population] Topka VP, et al. **Sov Zdravookhr** 00(1):23–9, 1976 (Eng. Abstr.) **(Rus)**
[Experience in organizing intrahospital consultation assistance] Vedenko BG, et al. **Sov Zdravookhr** (7):32–4, 1975 (Eng. Abstr.) **(Rus)**
[Role of organizational–methodical units in the work of urban medical specialists] Shparkovskaia ML, et al. **Vrach Delo** (4):144–6, Apr 75 **(Rus)**
[Historical evolution of anesthesiology as a medical specialty] Franco Grande A. **Rev Esp Anestesiol Reanim** 23(1):1–12, Jan 76 (56 ref.) (Eng. Abstr.) **(Spa)**

EDUCATION

Letter: Fact and fiction in the care of the mentally handicapped. Tyne A. **Br J Psychiatry** 128:308–9, Mar 76

HISTORY

The implications of specialization in medicine. Walsh WJ. **Can Vet J** 16(10):295–6, Oct 75

MANPOWER

Manpower goals in American surgery. Implications for residency training. Future surgical manpower in the framework of total United States physicians. Moore FD. **Ann Surg** 18(2):125–44, Aug 76
Geographic distribution of consultant rheumatologists in the United States—1975. McCarty D. **Arthritis Rheum** 19(1):56–8, Jan–Feb 76
Ontario medical manpower study shows plenty of MDs but shortages in most specialties. Korcok M. **Can Med Assoc J** 114(2):154–6, 161, 24 Jan 76
Report issued by requirements subcommittee of National Committee of Physician Manpower. Korcok M, et al. **Can Med Assoc J** 115(3):265–73, 7 Aug 76
Medical manpower and professional opportunities–consultants. Martin GP. **Ir Med J** 68(17):395–8, 13 Sep 75
Projecting the estimated needs for internists in Oklahoma through the year 1990. A task force report of the Oklahoma Society of Internal Medicine. **J Okla State Med Assoc** 68(8):308–10, Aug 75
Editorial: Specialty of rheumatology – manpower requirements. Ogryzlo MA. **J Rheumatol** 2(1):1–4, Mar 75
Letter: Regulation of number of medical subspecialists. Vall–Spinosa A. **N Engl J Med** 294(6):344, 5 Feb 76
Medical Council of New Zealand report on the 1973 and 1974 questionnaires, with particular reference to house surgeons and registrars. **NZ Med J** 82(547):173–4, 10 Sep 75
The nephrologist in the government. Cummings NB, et al. **Proc Clin Dial Transplant Forum** 5:168–9, Nov 75
[Tutorship is an effective method of training young specialists] Bogomolov SA, et al. **Voen Med Zh** (6):9–13, Jun 76 **(Rus)**
[Role of scientific societies in the improvement of qualification of practicing physicians] Aminev AM, et al. **Zdravookhr Ross Fed** (12):29–31, Dec 75 **(Rus)**

STANDARDS

Specialist registration: a critical look at the proposals of the Merrison report. Vickers MD. **Br Med J** 1(6005):328–31, 7 Feb 76
Self–assessment of the physician. Rosenow EC. **J R Coll Physicians Lond** 10(4):408–12, Jul 76
Editorial: Specialty status progress reaches critical state. Graves HB. **JACEP** 5(4):273, Apr 76
Editorial: Why so long? Accreditation or recognition for emergency medicine. Haviland JW. **JACEP** 5(2):133–4, Feb 76
The Emergency Medicine Specialty Certification Examination (EMSCE). Maatsch JL, et al. **JACEP** 5(7):529–34, Jul 76

SPECIALTIES, NURSING

Dare to care for the dying. Ufema JK. **Am J Nurs** 76(1):88–90, Jan 76

Nurse specialist in family planning. Newton J, et al. **Br Med J** 1(6015):950–2, 17 Apr 76

Letter: Nurse specialists in family planning. White TG. **Br Med J** 1(6020):1275–6, 22 May 76

The unlimited future of critical–care nursing. Stevens WF. **Heart Lung** 4(4):518, 521, Jul–Aug 75

Critical–care nursing: reflections and forecasts. Voorman DM. **Heart Lung** 5(3):361–2, 364, May–Jun 76

Postgraduate training of nurses in anaesthesia and intensive care. pp. 571–3. Holmdahl MH.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Anaesthesia and intensive–care nurses: their background and training. pp. 574–6. Zindler M.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Emergency nurse: educational innovations. pp. 277–80. Miller R.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

The emergency department nurse: a changing role? pp. 271–6. Nelson D.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

The nurse and the seriously ill patient. pp. 19–23. Crompton HM.
In: Walker WF, Taylor DE, ed. Intensive care. Edinburgh, Churchill Livingstone, 1975. W3 PF268 1973i.

Enterostomal therapy in Georgia. Broadwell DC. **J Med Assoc Ga** 65(1):25–6, Jan 76

Psychiatric nursing as a specialty and its watering down. Sootkoos AC. **J Psychiatr Nurs** 14(5):41, May 76

Development of an enterostomal therapy education program. Hilkemeyer R, et al. **Nurs Clin North Am** 11(3):469–78, Sep 76

Careers opportunities: shortened statutory courses. **Nurs Times** 72(23):888–9, 10 Jun 76

Career opportunities: choosing a course. Bristow S. **Nurs Times** 72(23):884–7, 10 Jun 76

Reflections on progress. Wilson–Barnett J. **Nurs Times** 72(25):962, 24 Jun 76

STANDARDS

Letter: American Association of Neurosurgical Nurses. Mazzola R. **J Neurosurg** 44(4):532, Apr 76

SPECIES SPECIFICITY

Serological analysis of an oncornavirus (PMF virus) detected in malignant permanent human cell lines. Micheel B, et al. **Acta Biol Med Ger** 34(4):K 39–45, 1975

Species specificity in thermostable and ethanol insoluble tissue antigens. I. Immunization of rabbits and goats with bovine antigen. Andersen AE. **Acta Vet Scand** 16(2):251–7, 1975

Species differences in response to renal ischemia. Craddock GN. **Arch Surg** 111(5):582–4, May 76

Effects of genotype on differential behavioral responsiveness to progesterone and 5alpha–dihdroprogesterone in mice. Gorzalka BB, et al. **Behav Genet** 6(1):7–15, Jan 76

Magnetic susceptibility of various ferrihemoglobin species. Anusiem AC. **Biopolymers** 14(6):1305–7, Jun 75

The barriers to interspecific hybridization in domestic and laboratory mammals. I. Gametic isolation and hybrid inviability. McGovern PT. **Br Vet J** 131(6):691–706, Nov–Dec 75

The barriers to interspecific hybridization in domestic and laboratory mammals. II. Hybrid sterility. McGovern PT. **Br Vet J** 132(1):68–75, Jan–Feb 76 (52 ref.)

Some strategies for harvesting a single species. Swan GW. **Bull Math Biol** 37(6):659–73, Dec 75

A karyological study of nine species of Torymus (Hymenoptera: Torymidae). Goodpasture C, et al. **Can J Genet Cytol** 17(3):413–22, Sep 75

Failure to detect anti–group–specific murine leukemia virus activity in tetraparental AKR–CBA chimeras. Barnes RD, et al. **Cancer Res** 35(10):2699–703, Oct 75

Autogenous immunity to endogenous RNA tumor virus: humoral immune response to virus envelope antigens. Hanna MG Jr, et al. **Cancer Res** 36(2 pt 2):608–14, Feb 76

Species–specific tissue antigens. III. Immunological relationships of enzymic antigens in various species. Rose NR, et al. **Clin Exp Immunol** 20(2):359–70, May 75

Species specificity of thromboplastin. A phylogenetic study. Csákó G, et al. **Folia Haematol (Leipz)** 102(5):584–90, 1975

Biological signals for self–identification. pp. 239–47. Thomas L.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.2.

Gene expansion and evolution: evidence for differential expression of immunoglobulin variable region genes in different species. pp 19–31. Wang AC.
In: Gergely J, Medyesi GA, ed. Antibody structure and molecular immunology. Amsterdam, North–Holland, 1975. W3 FE322 9th v.36.

Strain–dependent differences in murine susceptibility to toxoplasma. Araujo FG, et al. **Infect Immun** 13(5):1528–30, May 76

Specificity of allogeneic and xenogeneic cell recognition in the fetal lamb. Asantila T, et al. **J Immunol** 117(2):555–62, Aug 76

Rat T lymphocyte–specific antigens and their cross–reactivity with mouse T cells. Ishii Y, et al. **J Immunol** 117(2):497–503, Aug 76

The homologues of rabbit b–allotypes on hare immunoglobulin light chains: an evolutionary puzzle. Tosi SL, et al. **J Immunol** 117(2):679–85, Aug 76

A homologue of the rabbit kappa–chain allotype b9 ON IgG from a cottontail rabbit. Tosi SL, et al. **J Immunol** 117(2):686–9, Aug 76

The chemoattraction of neutrophils by heterologous and homologous cytotoxic sera. Williams D, et al. **J Immunol** 116(2):554–61, Feb 76

Comparison of RNA sequences from widely divergent species. Morazain R, et al. **J Mol Evol** 2(2–3):209–14, 1973

Host–range properties of murine xenotropic and ecotropic type–C viruses. Oie HK, et al. **J Natl Cancer Inst** 56(2):423–6, Feb 76

Metabolism of dimethylnitrosamine to mutagenic intermediates by kidney microsomal enzymes and correlation with reported host susceptibility to kidney tumors. Weekes UY. **J Natl Cancer Inst** 55(5):1199–201, Nov 75

Host specificity and lack of hybridization of moniliformis clarki (Ward 1917) Chandler 1921 and Moniliformis moniliformis (Bremser 1811) Travassos 1915. Buckner SC, et al. **J Parasitol** 61(6):991–5, Dec 75

Species–specific neoplastic progression by ultraviolet light on the skin of rats, guinea pigs, hamsters and mice. Stenbäck F. **Oncology** 31(3–4):209–25, 1975

Genetic influence on water and sweetened water consumption in mice. Ramirez I, et al. **Physiol Behav** 16(2):163–8, Feb 76

Strain differences in acquisition and extinction of fear responses in rats. Sartory G, et al. **Psychol Rep** 38(1):163–87, Feb 76

Species differences in insulin secretory responses during hemorrhagic shock. Hiebert JM, et al. **Surgery** 79(4):451–5, Apr 76

Survival times of skin and kidney grafts within different canine species in relation to their genetic markers. Hammer C, et al. **Transplant Proc** 7(3):439–47, Sep 75

Passive transfer of coccidian oocyst antigen and diphtheria toxoid hypersensitivity in calves across species barriers. Klesius PH, et al. **Transplant Proc** 7(3):449–52, Sep 75

Modalités d'apprentissage d'un labyrinthe chez les souris C57BR, C57BL/6 et BALB/C. Kitahama K, et al. **Physiol Behav** 16(1):9–14, Jan 76 (Eng. Abstr.) **(Fre)**

[The production of blood typing sera from raw material of animal origin (author's transl)] Knoop J. **Z Immunitaetsforsch** 146(4):370–5, Feb 74 **(Ger)**

[Possibilities of species determination by immunofluorescence study of bone tissue] Harsányi L. **Morphol Igazsagugyi Orv Sz** 16(2):100–2, Apr 76 **(Hun)**

[Active centers and the substrate specificity of miroorganism proteinases] Tsyperovich AS, et al. **Usp Sovrem Biol** 77(1):18–34, Jan–Feb 74 (109 ref.) **(Rus)**

SPECIFIC GRAVITY

Letter: Specific gravity and density. Davis H. **Anesthesiology** 44(3):270–1, Mar 76

SPECIFIC PATHOGEN FREE see under **GERM–FREE LIFE**

SPECIMEN HANDLING

Sputum fixatives: how safe is 50% alcohol? O'Hara CM, et al. **Acta Cytol (Baltimore)** 20(4):400–3, Jul–Aug 76

A modified 'soft surface specimen technique' for examination of the inner ear. Axelsson A, et al. **Acta Otolaryngol (Stockh)** 80(5–6):362–74, Nov–Dec 75

Survival of anaerobic bacteria during transportation. 1. Experimental investigations on the effect of evacuation of atmospheric air by flushing with carbon dioxide and nitrogen. Justesen T, et al. **Acta Pathol Microbiol Scand [B]** 84(1):51–6, Feb 76

Flaming of biopsy specimens for bacteriological culture: surface sterilization and effect on bacteria in the underlying tissue. Nielsen ML. **Acta Pathol Microbiol Scand [B]** 84(2):69–74, Apr 76

Transportation delay and the microbiological quality of clinical specimens. Jefferson H, et al. **Am J Clin Pathol** 64(5):689–93, Nov 75

Changes in serum total protein values occurring in clinical samples during shipment. Coyne RV, et al. **Am J Med Technol** 41(12):448–53, Dec 75

Effects of swab materials on infectious bovine rhinotracheitis virus. Hanson BR, et al. **Am J Vet Res** 37(6):707–8, Jun 76

Safe handling of tissue containing radioactive substances. Warren S. **Ann Clin Lab Sci** 6(3):207–8, May–Jun 76

Survival of tissue culture cells frozen by a two–step procedure to –196 degrees C. I. Holding temperature and time. McGann LE, et al. **Cryobiology** 13(3):261–8, Jun 76

Survival of tissue culture cells frozen by a two–step procedure to –196 degrees C. II. Warming rate and concentration of dimethyl sulphoxide. McGann LE, et al. **Cryobiology** 13(3):269–73, Jun 76

Cell cultures with chromosomal aberrations—July 1974—available from the Human Genetic Mutant Cell Repository. Greene AE, et al. **Cytogenet Cell Genet** 14(3–6):470–5, 1975

Importance of controlled liquefaction periods for valid steroid assays in human seminal plasma. Purvis K, et al. **Fertil Steril** 27(8):929–32, Aug 76

The effect of delaying incubation in a C02–enriched environment on gonococci. Chapel TA, et al. **Health Lab Sci** 13(1):45–8, Jan 76

Specimen collection and transport. Matsen JM, et al. **Hum Pathol** 7(3):297–307, May 76 (33 ref.)

Problems of positive specimen identification. pp. 63–6. von Boroviczény KG, et al.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

A valise for carrying insect cell cultures long distances. Anderson J, et al. **In Vitro** 11(5):322–3, Sep–Oct 75

Effect of delay on culture of urine. Hindman R, et al. **J Clin Microbiol** 4(1):102–3, Jul 76

Use of cetylpyridinium chloride and sodium chloride for the decontamination of sputum specimens that are transported to the laboratory for the isolation of Mycobacterium tuberculosis. Smithwick RW, et al. **J Clin Microbiol** 1(5):411–3, May 75

The marriage of pathology specimen tubes and request forms. Salway JG. **J Clin Pathol** 29(1):78–9, Jan 76

Radioimmunoassay technology in mass drug screening: an evaluation of an absorbent paper disk transport system. Noe ER, et al. **J Forensic Sci** 21(2):390–7, Apr 76

Removal of glass coverslips from cultures flat embedded in epoxy resins using hydrofluoric acid. Moore MJ. **J Microsc (Oxf)** 104(2):205–7, Jul 75

Changes of particle frequency in freeze–etched erythrocyte membranes after fixation. Parish GR. **J Microsc (Oxf)** 104(3):245–56, Aug 75

A simple technique for examining frozen hydrated specimens in the scanning electron microscope. Robinson VN. **J Microsc (Oxf)** 104(3):287–92, Aug 75

Adsorption of DNA molecules to different support films. Sogo JM, et al. **J Microsc (Oxf)** 104(2):187–98, Jul 75

Letter:Prophylactic antibiotics in abdominal surgery. Ingham HR. **Med J Aust** 1(7):208–9, 14 Feb 76

The effect of storage temperature on the second day methylene–blue test. Rahko S. **Nord Vet Med** 28(3):177–83, Mar 76

Timed urinary tests—the nurse's role. Burke CW. **Nurs Times** 71(46):1813–5, 13 Nov 75

Letter: Information for pathologists and doctors requested to obtain samples for forensic investigations. Cropp PP. **NZ Med J** 82(551):315–6, 12 Nov 75

Letter: The proof of poison an open letter to pathologists. Dickson SJ, et al. **NZ Med J** 82(551):320, 12 Nov 75

A modified reduced transport fluid for the preservation of Neisseria gonorrhoeae during transport. Finlayson MH, et al. **S Afr Med J** 49(43):1787–9, 11 Oct 75

Recommendations concerning the collection of reference values in clinical chemistry and activity report by the Committee on Reference Values of the Scandinavian Society for Clinical Chemistry and Clinical Physiology. Alström T, et al. **Scand J Clin Lab Invest** (35 Suppl 144):1–44, 1975

Preparation of fossil bone specimens for scanning electron microscopy. Pawlicki R. **Stain Technol** 51(3):147–52, May 76

Extraction of [14C] vitamin A from rat liver and kidney during processing for transmission electron microscopy. Plopper GG, et al. **Stain Technol** 50(5):339–45, Sep 75

Medicine and the law. Lost eye may result in UT liability. Stone SV. **Tex Med** 72(1):113–4, Jan 76

[Check of accuracy of whole–day urine collection in healthy subjects (author's transl)] Jadrny L. **Cas Lek Cesk** 115(16):488–90, 1976 (Eng. Abstr.) **(Cze)**

[A.I. in pigs: influence of boar seminal plasma on breeding efficiency of diluted boar semen (author's transl)] Meding JH. **Nord Vet Med** 28(4–5):221–5, Apr–May 76 (Eng. Abstr.) **(Dan)**

[Significance of sampling methods in the diagnosis of urinary tract infections, particularly in general practice] Uhari M, et al. **Duodecim** 92(9):484–9, 1976 (Eng. Abstr.) **(Fin)**

[Letter: Sending samples for histopathological examination] Gigase PL. **Ann Soc Belg Med Trop** 55(4):379–80, 1975 **(Fre)**

[Semen collection and artificial insemination in the rat] Rohloff D, et al. **Berl Munch Tieraerztl Wochenschr** 89(16):318–21, 15 Aug 76 (Eng. Abstr.) **(Ger)**

[Letter: The storage of blood for laboratory examinations] **Med Klin** 71(6):257–8, 6 Feb 76 **(Ger)**

[General principles for microscopy (dyestuffs, preparation methods)] **Microsc Acta** 77(2):166–8, Jul 75 **(Ger)**

[Specimen tilting in the electron microscopy of thin–sectioned biological material (author's transl)] Lange RH. **Mikroskopie** 31(7–8):210–5, Oct 75 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Trephining of tissue samples. King HK. **Aust Vet J** 52(4):187–8, Apr 76

A system for automatic collection and removal of urine from

male farm animals. Watts PR. **Br J Nutr** 36(2):295–7, Sep 76

A mucus aspirator for the postcoital test. Benveniste D, et al. **Fertil Steril** 27(5):599–600, May 76

Device for holding a variety of tissue culture vessels during microscopy. Hunziker J, et al. **In Vitro** 12(3):263–4, Mar 76

Construction of picoliter–nanoliter self–filling volumetric pipettes. Quinton PM. **J Appl Physiol** 40(2):260–2, Feb 1976

A container for processing small volumes of cell suspensions for critical point drying. Newell DG, et al. **J Microsc (Oxf)** 104(3):321–3, Aug 75

A multipurpose specimen–carrier for handling small biological objects through critical point drying. Rostgaard J, et al. **J Microsc (Oxf)** 105(1):107–13, Sep 75

A container for handling small specimens during preparation and examination in the scanning electron microscope (SEM). Taylor PG. **J Microsc (Oxf)** 105(3):335–8, Dec 75

Letter: VPC container. Matsumura KN, et al. **J Urol** 116(2):263–4, Aug 76

Grid staining—a useful device. Baratz RS. **Stain Technol** 51(3):193–5, May 76

Specimen holders for simultaneous critical point drying of multiple biological specimens. Rice RM, et al. **Stain Technol** 51(1):51–4, Jan 76

[Apparatus for hourly determination of diuresis] Mateescu R, et al. **Rev Chir [Chir]** 24(2):149–53, Mar–Apr 75 (Eng. Abstr.) **(Rum)**

METHODS

Variations in kidney ultrastructure with a variety of paraformaldehyde fixation techniques. Schmidt ME, et al. **Acta Anat (Basel)** 95(3):468–79, 1976

Nozzle sampling bias. Selden MG Jr. **Am Ind Hyg Assoc J** 36(7):549–52, Jul 75

The use of pr–reduced media and a portable jar for the collection of anaerobic organisms for clinical sites of infection. Ledger WJ, et al. **Am J Obstet Gynecol** 125(5):677–81, 1 Jul 76

A new approach to patients with suspected anaerobic postpartum pelvic infections. Transabdominal uterine aspiration for culture and metronidazole for treatment. Ledger WJ, et al. **Am J Obstet Gynecol** 126(1):1–6, 1 Sep 76

The laboratory management of a medicolegal specimen. Froede RC. **Ann Clin Lab Sci** 6(3):251–5, May–Jun 76

Proceedings: Preparation of sample material for analysis. Harrewijn GA. **Antonie van Leeuwenhoek** 41(3):381–2, 1975

Method for obtaining spinal–cord tissue for electron microscopy. Technical note. Pacheco P, et al. **Bol Estud Med Biol** 28(5):179–81, Jan 74

[A method of continuous recording on microsamples of the Hb–O2 association curve. I. Technique and direct registration of standard results (author's transl)] Teisseire B, et al. **Bull Physiopathol Respir (Nancy)** 11(6):837–51, Nov–Dec 75 **(Eng, Fre)**

Sample treatment to prevent calcium loss in saliva electrolyte analysis. Sebesta PA, et al. **Clin Chim Acta** 68(3):309–11, 3 May 76

Vasocystostomy, a new technique of sperm output measurement. Kort WJ, et al. **Ear Surg Res** 7(4–5):297–304, 1975

Effects of pooled samples. Keeler E, et al. **Health Lab Sci** 13(2):121–8, Apr 76

Cell preparation and staining for flow systems. pp. 94–106. Crissman HA.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

Collection of normal canine tracheobronchial secretions. Adams GK, et al. **J Appl Physiol** 40(2) Feb 1976

A new method simplifying collection of serial specimens for gonadotropin determinations. Hansen JW, et al. **J Clin Endocrinol Metab** 41(2):241–4, Aug 75

Differential quantitation of surface and subsurface bacteria of normal skin by the combined use of the cotton swab and the scrub methods. Evans CA, et al. **J Clin Microbiol** 3(6):576–81, Jun 76

Influence of the collection and transport of specimens on the recovery of bacteria from peritonsillar abscesses. Hallander HO, et al. **J Clin Microbiol** 2(6):504–9, Dec 75

Anaerobic specimen transport device. Wilkins TD, et al. **J Clin Microbiol** 2(5):441–7, Nov 75

A simple method for electron microscopic preparation of the extracellular protoplast. Saikawa M, et al. **J Electron Microsc (Tokyo)** 23(4):311–2, 1974

A useful modification of flat silicon rubber molds for embedding tissues for electron microscope. Shannon WA Jr. **J Electron Microsc (Tokyo)** 23(4):317–8, 1974

Styrene resin cracking method for observing biological materials by scanning electron microscopy. Tanaka K, et al. **J Electron Microsc (Tokyo)** 23(4):313–5, 1974

Coating sections for electron microscopic autoradiography: a stripping technique using liquid emulsion. Burry RW, et al. **J Microsc (Oxf)** 104(3):307–19, Aug 75

A method of collecting and processing nematode larvae for electron microscopy. Smith K. **J Microsc (Oxf)** 105(2):229–32, Nov 75

Letter: Sampling of duodenal contents by a nylon line. Colon AR. **J Pediatr** 89(3):513–4, Sep 76

A crevicular washing method for investigating immune components of crevicular fluid in man. Skapski H, et al. **J Periodont Res** 11(1):19–24, Feb 76

Hemoccult stool tests: false–negative results due to storage of specimens. Stroehlein JR, et al. **Mayo Clin Proc** 51(9):548–52, Sep 76

A technique for rapid harvesting of cadaveric renal and pancreatic grafts after circulatory arrest. Groth CG, et al. **Scand J Urol Nephrol** (29 Suppl):67–9, 6–7 Mar 75

Laboratory techniques in rabies: shipments of specimens, and techniques for preparation of animal tissues. Tierkel ES. **WHO Monogr Ser** (23):29–40, 1973

[Quantitative determination of the gingival sulcus fluid by means of microcapillaries] Krekeler G. **Dtsch Zahnaerztl Z** 30(8):544–6, Aug 75 (Eng. Abstr.) **(Ger)**

[A method for collecting a bronchopulmonary secretion specimen from children] Candussio G, et al. **Minerva Pediatr** 27(35):1957–7, 10 Nov 75 **(Ita)**

[Method of separate collection of urine and feces from 1–month–old infant boys] Vasil'eva LP, et al. **Lab Delo** (4):245–6, 1975 **(Rus)**

[Means of selection, delivery and storage of materials for bacteriological study] Lavrent'eva NG, et al. **Med Tekh** (4):34–7, Jul–Aug 75 **(Rus)**

[Use of plastic adhesive to take cutaneous specimens] Borelli D. **Med Cutan Iber Lat Am** 2(4):277–83, 1974 (Eng. Abstr.) **(Spa)**

STANDARDS

Standardization procedures for specimen collection in cellular immunology. pp. 14–9. Astaldi A Jr, et al.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

Specimen collection and preservation in clinical enzymology. pp. 8–13. Burlina A.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

The bacteriologist: instrument, servant or coworker. pp. 5–7. Coster JF.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

Quality control of specimen collection in clinical chemistry. pp. 24–31. Goldberg DM.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

Infection control audit of a nursing procedure: collection of midstream specimens of urine. Stronge J. **Nurs Times** 72(15):suppl:27–8, 15 Apr 76

VETERINARY

Semen collection from a stallion using a dummy mount. Richardson GF, et al. **Can Vet J** 17(7):177–80, Jul 76

Collection of cerebrospinal fluid from the horse. Mayhew IG. **Cornell Vet** 65(4):500–11, Oct 75

Observations on bacteriologic isolation from pairs of quarter–milk samples. Postle DS. **J Am Vet Med Assoc** 168(3):220–2, 1 Feb 76

Capillary tube urinalysis for small animals. Hayashi S, et al. **Lab Anim Sci** 25(6):781–2, Dec 75

SPECTACLES see **EYEGLASSES**

SPECTINOMYCIN see **ACTINOSPECTACIN**

SPECTROFLUOROMETRY see **SPECTROMETRY, FLUORESCENCE**

SPECTROMETRY, FLUORESCENCE

The use of standards in the analysis of fluorescence decay data. Grinvald A. **Anal Biochem** 75(1):260–80, Sep 76

Particle size and composition effects in X–ray fluorescence analysis of pollution samples. Criss JW. **Anal Chem** 48(1):179–86, Jan 76

Fluorescence reactions of aminophosphonic acids. Fourche J, et al. **Anal Chem** 48(1):155–9, Jan 76

Determination of polycyclic aromatic hydrocarbons in atmospheric particulate matter by high pressure liquid chromatography coupled with fluorescence techniques. Fox MA, et al. **Anal Chem** 48(7):992–8, Jun 76

Fluorescence measurements of benzene, naphthalene, anthracene, pyrene, fluoranthene, and benzo(e)pyrene in water. Schwarz FP, et al. **Anal Chem** 48(3):524–8, Mar 76

Fluorometric determination of erythromycin and erythromycin propionate in whole blood or plasma and correlation of results with microbiological assay. Tserng KY, et al. **Anal Chem** 48(2):348–53, Feb 76

A study of the absorption and fluorescence spectra of rivanol. Naik DV, et al. **Anal Chim Acta** 80:67–74, Nov 75

Dynamical theory of fluorescence polarization in a planar array of oriented pigment molecules. Frehland E. **Biophys Chem** 4(1):65–78, Jan 76

Static and dynamic quenching of protein fluorescence. I. Bovine serum albumin. Feldman I, et al. **Biopolymers** 14(2):335–51, Feb 75

Static and dynamic quenching of protein fluorescence. II. lysozyme. McGuire R, et al. **Biopolymers** 14(5):1095–1102, May 75

Cell preparation and staining for flow systems. pp. 94–106. Crissman HA.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

Flow–systems cell analysis and sorting: closing remarks. pp. 122–4. Van Dilla MA.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

Slit–scanning cell–analysis methods. pp. 29–37. Wheeless LL Jr.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

An automated fluorescent excitation analysis system for medical applications. Kaufman L, et al. **Invest Radiol** 11(3):210–5, May–Jun 76

A technique for the measurement of stable iodine in tissues using x–ray fluorescence and Compton scattering. Sikanen P, et al. **Invest Radiol** 11(1):60–2, Jan–Feb 76

Dynamic interactions of fluorescence probes with the solvent environment. De Toma RP, et al. **J Am Chem Soc** 98(16):5001–7, 4 Aug 76

Electronic relaxation processes in retinol and retinal: anomalous external heavy–atom effects and temperature dependence of fluorescence. Song PS, et al. **J Am Chem Soc** 98(3):819–24, 4 Feb 76

Nitrite in meat products determined by fluorescence quenching of p–aminobenzoate ion. Coppola ED, et al. **J Assoc Off Anal Chem** 59(4):783–6, Jul 76

The fluorimetric detection of pesticides on aluminium oxide layers. Caissie GE, et al. **J Chromatogr** 117(1):129–36, 4 Feb 76

Combined ultraviolet–fluorescence detection in high–pressure liquid chromatography of pharmaceuticals. Lindner W, et al. **J Chromatogr** 111(2):365–71, 3 Sep 75

Luminescence analysis of anti–inflammatory agents in blood or plasma following thin–layer chromatographic separation. Strojny N, et al. **J Chromatogr Sci** 13(12):583–8, Dec 75

The measurement of circulating red cell volume using nonradioactive cesium and fluorescent excitation analysis. Price DC, et al. **J Lab Clin Med** 87(3):535–43, Mar 76

Radiation exposure in the laboratory. Weeks JL. **J Soc Occup Med** 26(1):9–12, Jan 76

Fluorescence polarization: pigment orientation and energy transfer in photosynthetic membranes. Michel–Villaz M. **J Theor Biol** 58(1):113–29, 7 May 76

Spectrofluorimetric determination of thebaine. Chalmers RA, et al. **Mikrochim Acta** (3 Pt. 2):273–85, Sep 75

Fluorimetric analysis of alkaloids. Determination of serpentine, yohimbine, and boldine. Gürkan T. **Mikrochim Acta** (2–3 PT 1):173–80, 1976

Intrinsic fluorescence of S4 and S7 E. coli ribosomal proteins. Gérard D, et al. **Photochem Photobiol** 22(3–4):89–95, Sep–Oct 75

Fluorescence–detected magnetic circular dichroism of fluorescent and nonfluorescent molecules. Sutherland JC, et al. **Proc Natl Acad Sci USA** 73(2):276–80, Feb 76

Portable X–ray fluorescence instruments for the analysis of lead in paints. Kaplan EH, et al. **Public Health Rep** 90(3):223–30, May–Jun 75

Fluorescence correlation spectroscopy applied to rotational diffusion of macromolecules. Ehrenberg M, et al. **Q Rev Biophys** 9(1):69–81, Feb 76

Chemical kinetics and fluorescence correlation spectroscopy. Madge D. **Q Rev Biophys** 9(1):35–47, Feb 76

Fluorescence relaxation spectroscopy in the analysis of macromolecular structure and motion. Rigler R, et al. **Q Rev Biophys** 9(1):1–19, Feb 76

Applications of fluorescence correlation spectroscopy. Webb WW. **Q Rev Biophys** 9(1):49–68, Feb 76

Diagnosis of chronic myeloid leukemia by fluorescent photometric assay of blood histamine. Preliminary communication. Gingold N, et al. **Rev Roum Med [Med Intern]** 13(4):303–8, 1975

Determination of toxic metals in blood by x–ray fluorescence spectrometry. Vaasjoki R, et al. **Scand J Work Environ Health** 1(3):184–92, Sep 75

A fluorescent character distinguishing strains of Trypanosoma (Schizotrypanum) cruzi isolated from animals. Ketteridge D. **Trans R Soc Trop Med Hyg** 69(5–6):486–7, 1975

[Photosensitization of the skin and fluorescence spectra (author's transl)] Brun R. **Dermatologica** 152(5):295–303, 1976 (Eng. Abstr.) **(Fre)**

[Spectrofluorimetric detection in situ of 4–hydroxyhippuric acid in urine after high–voltage electrophoresis] Grassmayr K, et al. **Mikrochim Acta** (6 pt 1):661–5, 1976 (Eng. Abstr.) **(Ger)**

[Fluorimetric determination of oxalates in urine] Devoto G, et al. **Med Lav** 65(9–10):389–91, Sep–Oct 74 **(Ita)**

[Spectrofluorometric determination of the Soviet beta–adrenoblockader, anaprilin, in the blood plasma and urine of hypertension patients] Starodub VB. **Farm Zh** 30(4):53–6, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

INSTRUMENTATION

Luminescence determination of pharmaceuticals of the tetrahydrocarbazole, carbazole, and 1,4–benzodiazepine class. de Silva JA, et al. **Anal Chem** 48(1):144–55, Jan 76

Evaluation of Eimac lamp as excitation source for molecular fluorescence with application to quantitation of ergotaminine in plasma by high-pressure liquid chromatography. Perchalski RJ, et al. **Anal Chem** 47(12):1993-9, Oct 75

Determination of submicrogram amounts of mercury in various matrices by flameless atomic-fluorescence spectrometry. Cavalli P, et al. **Analyst** 101(1201):272-7, Apr 76

Spectrofluorometric analysis of illicit drug samples, employing a corrected excitation spectrofluorometer. Gillis V, et al. **ISA Trans** 14(3):261-9, 1975

A new optical multichannel microspectrofluorometer. Jotz MM, et al. **J Histochem Cytochem** 24(1):91-9, Jan 76

[Inverted microspectrofluorimeter] Karnaukhov VN, et al. **Tsitologiia** 27(5):585-7, May 75 (Eng. Abstr.) **(Rus)**

METHODS

A noninvasive method for detection and analysis of metals in the eye. Loewinger E, et al. **Am J Med Sci** 272(1):770-3, Jul-Aug 76

Fluorescence measurements in nanolitre samples. Rutili G, et al. **Anal Biochem** 72:539-45, 7 May 76

Determination of total iodine in milk by X-ray fluorescence spectrometry and iodide electrode. Crecelius EA. **Anal Chem** 47(12):2034-5, Oct 75

X-ray fluorescence spectrometric determination of gold, bromine, and iodine in biological fluids. Purdham JT, et al. **Anal Chem** 47(12):2030-2, Oct 75

Fluorometric determination of chlordiazepoxide in dosage forms and biological fluids with fluorescamine. Stewart JT, et al. **Anal Chem** 48(8):1182-5, Jul 76

X-ray fluorescence spectrometric determination of selenium in biological materials. Strausz KI, et al. **Anal Chem** 47(12):2032-4, Oct 75

Non-dispersive atomic-fluorescence spectrometry for the determination of mercury and its application to fish samples. Caupeil JE, et al. **Anal Chim Acta** 81(1):53-60, Jan 76

Spectrophotofluorometric method for quantitative determination of sulpiride in human plasma and urine. Kleimola T, et al. **Ann Clin Res** 8(2):104-10, Apr 76

A method for the determination of amodiaquine. Trenholme GM, et al. **Bull WHO** 51(4):431-4, 1974

Multicomponent analysis in clinical chemistry by use of rapid scanning fluorescence spectroscopy. Warner IM, et al. **Clin Chem** 22(9):1483-92, Sep 76

A method for the flow-microfluorometric analysis of histones. Fu CT, et al. **Exp Cell Res** 93(2):363-7, Jul 75

The UV fading of hydrocarbon fluorescence and its prevention for observations in single living cells. Kohen E, et al. **Histochemistry** 44(4):357-61, 29 Sep 75

Practical applications and philosophy of optical spectroscopic probes. Weber G. **Horiz Biochem Biophys** 2:163-98, 1976 (40 ref.)

Nanosecond fluorescence spectroscopy of biological membranes. pp. 327-48. Fortes PA.
In: Packer L, Gómez-Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.

Multiparameter cell sorting and analysis. pp. 61-75. Steinkamp JA.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

A spectrophotometric procedure, using carboxypeptidase A, for the quantitative measurement of ochratoxin A. Hult K, et al. **J Assoc Off Anal Chem** 59(1):128-9, Jan 76

Direct spectrofluorometry of diluted erythrocytes and plasma: a rapid diagnostic method in primary and secondary porphyrinemias. Poh-Fitzpatrick MB, et al. **J Lab Clin Med** 87(2):362-70, Feb 76

The investigation of critical parameters in the glycolytic response of single living cells by rapid microspectrofluorometric analysis. Kohen E, et al. **Mikrochim Acta** (2-3 PT 1):249-61, 1976

Multi-element analysis of biological tissue by proton-induced x-ray emission spectroscopy. Kemp K, et al. **Phys Med Biol** 20(3):834-8, Sep 75

Dynamics of a protein matrix revealed by fluorescence quenching. Eftink MR, et al. **Proc Natl Acad Sci USA** 72(9):3290-4, Sep 75

[Study of the process of ACTH and insulin interaction with the plasmatic membranes of rat liver cells in vitro using luminescence methods] Lakin VV, et al. **Farmakol Toksikol** 39(2):212-6, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Comparison of gas chromatography and the spectrofluorometric method in the analysis of catecholamines in biological media (a review of the literature)] Keda BI, et al. **Lab Delo** (9):515-7, 1975 (25 ref.) **(Rus)**

[Method of determination of bound and free serotonin in different biological media] Pliushkis Iu, et al. **Lab Delo** (2):84-8, 1976 **(Rus)**

[Folacin determination in the blood by a fluorimetric method] Grigor'eva MP, et al. **Vopr Pitan** (1):47-52, Jan-Feb 1975 (Eng. Abstr.) **(Rus)**

SPECTROMETRY, GAMMA

Rapid radiochemical separation of selected toxic elements in environmental samples prior to gamma ray spectrometry. Wilshire FW, et al. **Anal Chem** 47(14):2399-403, Dec 75

Uranium in vivo spectrometry. pp. 264-96. Scott LM, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

[Spectrometric method of determination of spatial distribution of radioactive indicator] Fishman LIa, et al. **Med Radiol (Mosk)** 20(10):53-7, Oct 75 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Structure and application possibilities of whole body counters] pp. 322-30. Ertl S.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

SPECTROPHOTOMETRY

Computer tomography compared with spectrophotometry of cerebrospinal fluid in cerebrovascular diseases. Söderström CE, et al. **Acta Radiol [Suppl] (Stockh)** (346):130-42, 1975

Perspectives on the use of microspectrophotometry in the diagnosis of pretumorous processes and malignant tumors. Avtandilov GG. **Cancer** 38(1):254-8, Jul 76

Letter: Bichromatic analyses with the ABA-100--a critical assumption. Pearson JR, et al. **Clin Chem** 22(4):559-60, Apr 76

A simple spectrophotometric procedure for the determination of various chontrast media in plasma. Medzihradsky F, et al. **Invest Radiol** 10(5):532-5, Sep-Oct 75

Proceedings: The use of a dual-beam differential spectrophotometer with a stopped flow mixing chamger, in the study of the relase of Ca2+ from preloaded vesicles of the sarcoplasmic recticulum. Chapman RA, et al. **J Physiol (Lond)** 258(1):2P-3P, Jun 76

X ray spectrophotometry for bone-mineral determinations. Gustafsson L, et al. **Med Biol Eng** 12(1):113-9, Jan 74

Some aspects of solid-state stability and diffuse reflectance spectroscopy. Pope DG, et al. **Pharm Acta Helv** 50(6):165-77, 1975 (158 ref.)

[DNA cytophotometry and diagnosis of malignant tumours (author's transl)] Avtandilov GG. **Zentralbl Allg Pathol** 119(1-2):33-7, 1975 (Eng. Abstr.) **(Ger)**

[Spectrophotometric determination of Leukanol in the waste waters from the emulsion polymerization manufacture of rubbers] Travnikova JI, et al. **Gig Sanit** (2):113-4, Feb 75 **(Rus)**

[Spectrophotometric quantitative analysis of the prepared drugs, diazepam, oxazepam and nitrazepam] Grom OL, et al. **Farm Zh** (2):82-3, Mar-Apr 76 **(Ukr)**

INSTRUMENTATION

An inexpensive device for sample stirring in VSU Zeiss spectrophotometers. Its use for kinetic measurements and active site titrations with immobilized enzymes. Lasch J, et al. **Acta Biol Med Ger** 34(7):1137-44, 1975

A stopped-flow dual-wavelength spectrophotometer suitable for the study of respiratory chains. Garland PB, et al. **Biochem J** 154(2):277-84, 15 Feb 76

A double-beam rapid-scanning stopped-flow spectrophotometer. Holloway MR, et al. **Biochem J** 149(1):221-31, Jul 75

Development of an aqueous temperature-indicating technique and its application to clinical laboratory instrumentation. Bowie L, et al. **Clin Chem** 22(4):449-55, Apr 76

A spectrophotometer for the direct determination of sample extinction by simultaneous measurement at multiple wavelengths and application of Allen's correction. Potter JB, et al. **IEEE Trans Biomed Eng** 22(6):528-32, Nov 75

The urinary drop spectrometer--an electrooptical instrument for urological analysis based on the external urine stream. Ritter RC, et al. **IEEE Trans Biomed Eng** 23(3):266-9, May 76

Spectrophotometric equipment with flash-light excitation. pp. 313-8. Koralov N, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

A rapid-scanning spectrophotometer. pp. 319-29. Shishmanov P, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

An economical method of constructing micro-absorption cells for spectrophotometers in the laboratory. Tandon HC, et al. **Indian J Med Sci** 28(12):540-1, Dec 74

Evaluation of the direct reading bilirubinometer. Tejavej A, et al. **J Med Assoc Thai** 58(9):469-73, Sep 75

A luminescence spectrophosphorimeter for measurement of emissions from biological macromolecules irradiated with intense single pulses of electrons. Jameson DG, et al. **J Phys E Sci Instrum** 9(3):208-13, Mar 76

A study of bilirubin measurements on the 'OHC' photoictometer model II compared with an Auto Analyzer AAI and the American Optical Company bilirubinometer. Mcmurray W, et al. **Med Lab Technol** 32(4):277-85, Oct 75

Crossed-beam apparatus for simultaneous spectrophotometric observation and microwave exposure of biochemical samples. Allis JW, et al. **Rev Sci Instrum** 46(10):1344-9, Oct 75

Emission and polarization spectrometer for biophysical spectroscopy. Sutherland JC, et al. **Rev Sci Instrum** 47(3):358-60, Mar 76

[Setting up and testing a microscope photometer] Wagner H. **Z Med Labortech** 16(2):81-93, 1975 **(Ger)**

[An apparatus for sampling at one second intervals in photosynthesis experiments (author's transl)] Bornefeld T, et al. **Z Naturforsch [C]** 30(5):680, Sep-Oct 75 **(Ger)**

[Differential spectrophotometers in biology] Gorelik AI. **Biol Nauki** 146(2):114-27, 1976 **(Rus)**

[Possibility of applying the 2-wave method of photometric measurements to the MUF-5 2-beam scanning cytospectrometer] Belonozhko AP, et al. **Tsitol Genet** 10(2):163-6, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[A flame spectrophotometer for simultaneous determination of potassium, sodium and calcium in microvolumes] Mozhaiev HA, et al. **Fiziol Zh** 20(3):402-4, May-Jun 74 **(Ukr)**

METHODS

Selection of operating wavelength-pair for two-wavelength microspectrophotometry. Black-Schaffer WS, et al. **Am J Anat** 146(4):455-60, Aug 76

A sensitive method for estimating the carbohydrate content of glycoproteins. Krystal G, et al. **Anal Biochem** 70(2):336-45, Feb 76

Dual wavelength/split beam spectrophotometry: computer acquisition of absorbance spectra. Peterson JA. **Anal Biochem** 67(2):468-75, Aug 75

Modified method for analysis of serum iron. Horak E, et al. **Ann Clin Lab Sci** 5(4):303-7, Jul-Aug 75

Letter: Speed of temperature equilibrium in analytical systems. Lehnus G. **Clin Chem** 22(9):1542, Sep 76

Measurement of spectral bandwidth, as exemplified with the Beckman 'Enzyme Analyzer System TR spectrophotometer'. Passey RB, et al. **Clin Chem** 21(11):1582-4, Oct 75

Clinical application of a new method for the determination of aminoacylase in human serum. Lorentz K, et al. **Clin Chim Acta** 63(3):271-4, 16 Sep 75

Serum concentration of carbamazepine: comparison of Herrmann's spectrophotometric method and a new GLC method for the determination of carbamazepine. Pynnönen S, et al. **Epilepsia** 17(1):67-72, Mar 76

Factors affecting the estimation of the relative amount of chromophore and chromophore area by the two-wavelength method of Patau and Ornstein. Van Oostveldt P, et al. **Histochemistry** 47(2):111-24, 28 May 76

Practical applications and philosophy of optical spectroscopic probes. Weber G. **Horiz Biochem Biophys** 2:163-98, 1976 (40 ref.)

A spectrophotometric procedure for quantitation of antibody directed to bacterial antigens. Iacono VJ, et al. **Immunochemistry** 13(3):235-43, Mar 76

Scanning cytophotometry: principles and practice. pp. 3-14. Mayall BH.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

Determination of traces of heavy metals in oils and fats by arc spectrography. Farhan FM, et al. **J Am Oil Chem Soc** 53(5):211-3, May 76

A spectrophotometric assay for gentamicin. Williams JW, et al. **J Antibiot (Tokyo)** 28(12):982-7, Dec 75

Feulgen microspectrophotometry of oral cancer and leukoplakia. Doyle JL, et al. **J Dent Res** 54(6):1196-9, Nov-Dec 75

An enzymic method for the spectrophotometric determination of oxalic acid. Costello J, et al. **J Lab Clin Med** 87(5):903-8, May 76

Proceedings: Spectrophotometric study of carboxyhemoglobin. Watari H, et al. **J Physiol Soc Jpn** 36(8-9):344, 1 Sep 74

Measurement of partial pressure of gases in liquids by mass spectrometry. Löllgen H, et al. **Med Prog Technol** 3(3):111-7, 3 Dec 75

Water-vapor-independent inlet system for a respiratory mass spectrometer: application to experiments with a human centrifuge. von Nieding G, et al. **Med Prog Technol** 3(3):119-23, 3 Dec 75

Versatile precision source ratioing system for fast kinetic spectroscopy. Anson M, et al. **Rev Sci Instrum** 47(3):370-3, Mar 76

The application of spectrophotometry in the investigation of amniotic fluid by amnioscopy. part I. development of the technique. Järvinen PA, et al. **Z Geburtshilfe Perinatol** 179(5):356-9, Oct 75

The application of spectrophotometry in the investigation of amniotic fluid by amnioscopy. part II. A clinical study. Ylöstalo P, et al. **Z Geburtshilfe Perinatol** 179(5):361-3, Oct 75

[Continuous photometric determination of total circulating blood saturation 'in vitro' (author's transl)] Clerbaux T, et al. **Pathol Biol (Paris)** 24(1):33-5, Jan 76 (Eng. Abstr.) **(Fre)**

[A new, exact photometric determination of serum potassium] Engels C. **Munch Med Wochenschr** 117(42):1711-2, 17 Oct 75 **(Ger)**

[Autospectrophotometric titration and stopped flow method as the functional tests of abnormal hemoglobin (author's transl)] Iuchi I. **Jpn J Clin Pathol** 24(4):263, Apr 76 **(Jpn)**

[A method for spectrophotometric determination of alkaloids of the quinolinic and isoquinolinic groups by the precipitant solution of reduced phosphomolybdic acid] de Carvalho D, et al. **Arq Inst Biol (Sao Paulo)** 39(3):159–71, 1972 (Eng. Abstr.) **(Por)**

[Method of complex morphofunctional study of the capillary bed of the thyroid gland] Bykov VL. **Arkh Anat Gistol Embriol** 68(5):41–3, May 75 (Eng. Abstr.) **(Rus)**

[Modification of the spectrophotometric method for determining the acid–dissociation curves of hemoglobin] Ivanov IuG. **Biull Eksp Biol Med** 80(11):122–3, Nov 75 **(Rus)**

[Method of spectrophotometric determination of barbituric acid derivatives] Bystrov SP, et al. **Farmatsiia** 25(1):46–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Methods of molecular spectroscopy in the analysis of phenothiazine series compounds] Kotov AV, et al. **Farmatsiia** 24(3):85–8, May–Jun 75 (73 ref.) **(Rus)**

[Spectrophotometric determination of the zinc in insulin preparations] Nikolaeva EA, et al. **Farmatsiia** 25(1):71–4, Jan–Feb 76 **(Rus)**

[Spectrophotometric determination of azabutyrone in biological material] Raevskii KS, et al. **Farmatsiia** 25(1):77–8, Jan–Feb 76 **(Rus)**

[Spectrophotometric determination of oxytetracycline hydrochloride] Saavedra FE, et al. **Farmatsiia** 25(1):78–9, Jan–Feb 76 **(Rus)**

[Extractive spectrophotometric method for the quantitative determination of the dipfezil] Shumakovich IE, et al. **Farmatsiia** 25(2):26–9, 1976 (Eng. Abstr.) **(Rus)**

[Spectrophotometric analysis of binary mixtures containing salsoline hydrochloride] Vergeichik EN, et al. **Farmatsiia** 25(1):76–7, Jan–Feb 76 **(Rus)**

[Spectrophotometric titration of isoniazid and nicotinamide] Verm'ev IV. **Farmatsiia** 25(1):50–3, Jan–Feb 76 **(Rus)**

[A study of the cytochrome composition of microorganisms by their absorption spectra and first derivative spectra] Sokolov GV, et al. **Mikrobiologiia** 45(2):201–3, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Scanning intergrating cytospectophotometry of tightly apposed micro–objects (as an example, a study of the circadian rhythm of RNA and protein concentrations in different neuron—neuroglia systems)] Litinskaia LL, et al. **Tsitologiia** 18(4):470–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Spectrophotometric analysis of multicomponent drugs based on computational methods and electronic computers] Buriak VP, et al. **Farm Zh** (2):47–52, Mar–Apr 76 (28 ref.) **(Ukr)**

[Spectrophotometric determination of bemosat] Dolotova TM. **Farm Zh** (1):92–3, Jan–Feb 75 **(Ukr)**

[Spectrophotometric quantitative determination of water–soluble vitamins in drug mixtures] Grom OL, et al. **Farm Zh** 31(1):68–9, Jan–Feb 76 **(Ukr)**

[Spectrophotometric method of determining anesthesin based on the azorhodanine formation reaction] Kvach AS. **Farm Zh** (2):52–5, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Determination of the concentration of potassium, sodium and calcium in isolated nerve cells using integrated flame microspectrophotometry] Volkhonovych OP. **Fiziol Zh** 21(3):413–4, May–Jun 75 **(Ukr)**

STANDARDS

Convenient method for checking detector response of spectrophotometers at three wavelengths. Frings CS, et al. **Clin Chem** 22(1):101–2, Jan 76

[Causes of error in the spectrophotometric analysis of amniotic fluid] Lorrain J. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):225–7, 1972 **(Fre)**

SPECTROPHOTOMETRY, ATOMIC ABSORPTION

Use of sodium borohydride for determination of total mercury in urine by atomic absorption spectrometry. Toffaletti J, et al. **Anal Chem** 47(13):2091–5, Nov 75

Matrix effects and their control during the flameless atomic absorption determination of arsenic. Walsh PR, et al. **Anal Chem** 48(7):1014–6, Jun 76

An atomic absorption method for the determination of 20 elements in lake sediments after acid digestion. Agemian H, et al. **Anal Chim Acta** 80:61–6, Nov 75

The determination of manganese in small samples of biological tissue by flameless atomic absorption spectrometry. Belling GB, et al. **Anal Chim Acta** 80(2):279–83, Dec 75

Some applications of rapid separation of mercury on metallic copper to environmental samples with determination by flameless atomic absorption spectrometry. Dogan S, et al. **Anal Chim Acta** 84(1):89–96, Jun 76

A rapid method for the determination of mercury in air by flameless atomic absorption spectrometry. Gardner D. **Anal Chim Acta** 82(2):321–7, Apr 76

Determination of small amounts of lead in organic matter by atomic–absorption spectrometry. **Analyst** 100(1197):899–902, Dec 75

The determination of arsenic(III) and total arsenic by atomic–absorption spectroscopy. Aggett J, et al. **Analyst** 101(1202):341–7, May 76

A simple method for monitoring excessive levels of lead in whole blood using atomic–absorption spectrophotometry and a rapid, direct nebulisation technique. Thompson KC, et al. **Analyst** 101(1200):174–8, Mar 76

Electrothermal atomic absorption spectrometry of trace metals in biological fluids. Sunderman FW Jr. **Ann Clin Lab Sci** 5(6):421–34, Nov–Dec 75

Digestion of fish samples for mercury determination by flameless atomic absorption spectrophotometry. Pearce ID, et al. **J Assoc Off Anal Chem** 59(3):655–7, May 76

Atomic absorption analysis of some trace metals of toxicological interest. Van Ormer DG. **J Forensic Sci** 20(4):595–623, Oct 75 (234 ref.)

Spectrum of the acetylene/air flame used in the determination of iron by atomic absorption spectrophotometry. Faithfull NT. **Lab Pract** 24(11):737–9, Nov 75

Atomic and molecular absorption theory and practice as applied to clinical chemistry. Stevens J, et al. **Med Lab Technol** 32(3):183–91, Jul 75

The analysis of materials by x–ray absorption. Stern EA. **Sci Am** 234(4):96–103, Apr 76

The measurement of iron in rat liver tissue and subcellular fractions using atomic absorption spectroscopy. Deter RL. **Tex Rep Biol Med** 33(3):407–13, 1975

[Determination of urinary traces of manganese after extraction with the aid of 2,2,6,6–tetramethylheptane–3, 5–dione and atomic absorption spectrophotometry] Lekehal N, et al. **Anal Chim Acta** 83(1):93–101, May 76 (Eng. Abstr.) **(Fre)**

[Application of indirect atomic absorption to analysis of drug. Determination of noscapine in pharmaceutical preparation using Reinecke salt atomic absorption analysis (author's transl)] Minamikawa T, et al. **J Pharm Soc Jpn** 96(4):440–6, Apr 76 (Eng. Abstr.) **(Jpn)**

[Absorption spectrophotometric series of barbituric acid derivatives] Berdnikov AI, et al. **Farmatsiia** 25(3):32–5, Mar–Jun 76 (Eng. Abstr.) **(Rus)**

[Absorption spectra of some drug preparations containing a nitro group] Gagolkin SP, et al. **Farm Zh** (5):37–41, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

INSTRUMENTATION

Rapid determination of cadmium in biological tissues by microsampling–cup atomic absorption spectrometry. Jackson KW, et al. **Anal Chim Acta** 80:39–45, Nov 75

The application of electrodeposition techniques to flameless atomic absorption spectrometry. Part III. The determination of cadmium in urine. Lund W, et al. **Anal Chim Acta** 81(2):318–24, Feb 76

Direct analysis of blood, urine, sea water, filter paper, and polyethylene by atomic absorption spectrometry with the 'hollow–T' atomizer. Robinson JW, et al. **Anal Chim Acta** 78(2):285–92, Sep 75

Determination of submicrogram amounts of mercury in various matrices by flameless atomic–fluorescence spectrometry. Cavalli P, et al. **Analyst** 101(1201):272–7, Apr 76

An atomic–absorption ultramicrospectrophotometer for calcium determination. Antonetti A, et al. **Med Biol Eng** 13(3):475–7, May 75

Ultramicroanalysis of metals by means of an integrating atomic absorption spectrometer and a carbon filament atom reservoir. Danielson BG, et al. **Ups J Med Sci** 80(2):71–6, 1975

[Atomic–absorption spectrophotometer for the study of biological samples] Larskii EG, et al. **Lab Delo** (2):81–3, 1976 **(Rus)**

METHODS

Determination of lead, cadmium, and zinc using the Zeeman effect in atomic absorption spectrometry. Koizumi H, et al. **Anal Chem** 48(8):1178–82, Jul 76

Determination of aluminium in dental enamel by the carbon cup atomic–absorption method. Dolinšek F, et al. **Analyst** 100(1197):884–90, Dec 75

Atomic absorption spectrophotometry applied to photographic densitometry. Troyer H, et al. **J Histochem Cytochem** 23(12):941–4, Dec 75

[Atomic absorption spectrophotometric determination in quantitative problems of animal experimental sensitization] Ziegler V, et al. **Dermatol Monatsschr** 161(11):892–6, Nov 75 **(Ger)**

[Method of neutron activation analysis and flameless atomic absorption spectroscopy and their application to the determination of trace elements in biological material] pp. 31–8. Schramel P.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. **(Ger)**

[Possibility of determination of the total mercury content of muscle tissue with a new method of flameless atomic absorption spectrophotometry] Cassani C. **G Clin Med** 55(11):772–81, Nov 74 (Eng. Abstr.) **(Ita)**

[Determination of erythrocyte zinc by atomic absorption spectrophotometry: Its significance in iron deficiency anemia (author's transl)] Seino M. **Hokkaido J Med Sci** 51(1):59–72, Jan 76 (Eng. Abstr.) **(Jpn)**

[Determination of sodium, potassium and magnesium in the myocardium of experimental animals by atomic absorption spectrometry (author's transl)] Douzaki T, et al. **Jpn J Clin Pathol** 23(9):737–40, Sep 75 **(Jpn)**

[Atomic absorption determination of mercury in the air] Zeliukova IuV, et al. **Gig Sanit** (1):66–8, Jan 76 **(Rus)**

[Atomic absorption spectrophotometry assessment of blood and urine lead. blood lead levels in normal population (author's transl)] García de Jalón A, et al. **Sangre (Barc)** 21(2):375–86, 1976 (Eng. Abstr.) **(Spa)**

SPECTROPHOTOMETRY, INFRARED

Sensitive infrared measurement of pilocarpine—isopilocarpine isomerization. Ryan JA. **Anal Chim Acta** 85(1):89–93, Aug 76

The use of infrared spectrophotometry for the estimation of small quantities of single varieties of U.I.C.C. asbestos. Beckett ST, et al. **Ann Occup Hyg** 18(4):313–20, Dec 75

Estimation of amino acid residue side–chain absorption in the infrared spectra of protein solutions in heavy water. Chirgadze YN, et al. **Biopolymers** 14(4):679–94, Apr 75

A vitrational study of poly (L–proline) I and II in the far infrared. Rabolt JF, et al. **Biopolymers** 14(8):1615–22, Aug 75

Computer analyses of characteristic infrared bands of globular proteins. Rüegg M, et al. **Biopolymers** 14(7):1465–71, Jul 75

Letter: Use of infrared spectroscopy in drug analysis. Shoemaker MJ, et al. **Clin Chem** 22(8):1411, Aug 76

Laser Raman spectroscophy: a new probe of the molecular conformations of intact muscle and its components. pp. 229–38. Asher IM, et al.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

Infrared identification test for scopolamine as the hydrobromide. Brannon WL, et al. **J Assoc Off Anal Chem** 58(5):871–7, Sep 75

[Analytical study of drugs from the group of phenothiazine derivatives. XIV. A spectrometric study in the infrared region] Blažek J, et al. **Cesk Farm** 24(4–5):174–85, Jun 75 (Eng. Abstr.) **(Cze)**

[Analysis of pharmaceutical preparations using infrared diffuse reflection. I. Identification of components (author's transl)] Tanaka Y, et al. **J Pharm Soc Jpn** 95(12):1467–70, Dec 75 (Eng. Abstr.) **(Jpn)**

[Study of protein adsorption of polymer surfaces using an IR spectroscopic method] Moiseeva LN, et al. **Izv Akad Nauk SSSR [Biol]** (5):727–34, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Spectral characteristics of Micropolyspora spp. and of actinomycetes similar to them] Pridachina NN, et al. **Mikrobiologiia** 44(4):657–60, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[IR spectroscopy of synthetic analogs of androgen hormones] Mynka AF, et al. **Farm Zh** 30(4):31–5, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

[Use of IR spectrophotometry for the quantitative determination of benzotepa and its analogs] Mynka AF, et al. **Farm Zh** 31(3):48–5, May–Jun 76 **(Ukr)**

METHODS

Proceedings: The measurement of low concentrations of nitrous oxide and halothane by infra–red spectroscopy. Lane GA. **Br J Anaesth** 48(3):274, Mar 76

A generally applicable transfer technique for infrared spectroscopy in the microgram and submicrogram range. Beutel P, et al. **Environ Qual Saf [Suppl]** 3:89–93, 1975

Fourier transform infrared spectroscopy. Bates JB. **Science** 191(4222):31–7, 9 Jan 76

[Identification of organic substances by means of spectral methods in forensic toxicology. I. Infrared spectroscopy] Smysl B. **Soud Lek** 21(1):7–13, Feb 76 (Eng. Abstr.) **(Cze)**

[Prospects for using IR spectroscopy in the pharmaceutical analysis of penicillin group preparations. II. IR spectroscopy as a method of identifying oxacillins and phenoxymethl penicillins] Vendeland IuD, et al. **Farm Zh** 30(3):33–8, 1975 (Eng. Abstr.) **(Ukr)**

[Prospects for using IR spectroscopy in the pharmaceutical analysis of penicillin group preparations. I. IR spectroscopy as a method of identifying benzylpenicillins and ampicillins] Vendeland IuD, et al. **Farm Zh** (1):50–6, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

SPECTROPHOTOMETRY, ULTRAVIOLET

Optical activity in the vacuum ultraviolet. Pysh ES. **Annu Rev Biophys Bioeng** 5:63–75, 1976 (29 ref.)

Letter: Variation of erythema with monochromator bandwidth. Diffey BL. **Arch Dermatol** 111(8):1070, Aug 75

Letter: Changes in the ultraviolet absorption of E. coli rRNA on ribosome unfolding. Belli M, et al. **Biopolymers** 15(6):1229–32, Jun 76

Co–oligopeptides of aromatic amino acids and glycine with a variable distance between the aromatic residues. III. Co–oligopeptides of L–phenylalanine, L–tryptophan, and Glycine: synthesis and ultraviolet absorption properties. Guarnaccia R, et al. **Biopolymers** 15(6):1103–17, Jun 76

Interpretation and applications of thermal difference spectra of proteins. Nicola NA, et al. **Int J Pept Protein Res** 8(4):393–415, 1976

Structural implications of the electronic spectra of quinacrine–deoxyribonucleic acid complexes in the ultraviolet region (250–300 nm). Nastasi M, et al. **J Am Chem Soc** 98(13):3979–86, 23 Jun 76

Characterization of the ultraviolet absorption spectra of para–substituted derivatives of benzamidine. Rogana E, et al. **J Am Chem Soc** 97(23):6844–8, 12 Nov 75

Combined ultraviolet–fluorescence detection in high–pressure liquid chromatography of pharmaceuticals. Lindner W, et al. **J Chromatogr** 111(2):365–71, 3 Sep 75

Identification of drugs and other toxic compounds from their ultraviolet spectra. Part III: Ultraviolet absorption properties of 22 structural groups. Siek TJ, et al. **J Forensic Sci** 21(3):525–51, Jul 76

The elimination of ribonucleic acid interference in the spectrophotometric determination of protein concentration. Oellermann RA. **Onderstepoort J Vet Res** 41(4):221–4, Dec 74

Ultraviolet polarized light study on isolated myocardial trabeculae and skeletal fibers. Bourret RL, et al. **Recent Adv Stud Cardiac Struct Metab** 8:15–24, 1975

Ultraviolet absorption of tooth tissues of mature rat incisor. Katsura S. **Tokushima J Exp Med** 22:33–40, Sep 75

[Ultraviolet spectrophotometry in drug control. XVI. Follow–up of the effect of substitution of solvents in the drugs with sulfonamide chromophores] Kráčmar J, et al. **Cesk Farm** 24(4–5):166–73, Jun 75 (Eng. Abstr.) **(Cze)**

[The digital method of peak analysis of many component ultraviolet absorption bands (author's transl)] Ogawa K, et al. **J Pharm Soc Jpn** 95(11):1317–20, Nov 75 (Eng. Abstr.) **(Jpn)**

[Spectrophotometric determination of alkaloids in an omnopon solution] Chichiro VE, et al. **Farmatsiia** 24(2):61–6, Mar–Apr 75 **(Rus)**

[Spectrophotometric determination of amidopyrine and analgin in tablets] Gritsenko SV, et al. **Farmatsiia** 24(2):77–9, Mar–Apr 75 **(Rus)**

[Spectrophotometric determination of toluene in air in the presence of the butyl ester of methacrylic acid] Shevchenko AM. **Gig Sanit** (2):71–2, Feb 75 **(Rus)**

[Spectrophotometric determination of benzotef] Adeishvili LV, et al. **Farm Zh** (2):83–5, Mar–Apr 76 **(Ukr)**

[Spectrophotometric determination of the furocoumarins in a preparation of psoralen] Fedorin GF. **Farm Zh** 30(4):45–8, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

INSTRUMENTATION

A minicomputer–automated array spectrometer for liquid–chromatographic detection of metabolites. Dessy RE, et al. **Clin Chem** 22(9): 1472–82, Sep 76

Differential amplifier for scale expansion on a recording u.v.–visible spectrophotometer. Burgess C, et al. **Lab Pract** 24(10):669–70, Oct 75

METHODS

Ehancement of fine structure of ultraviolet spectra applied to direct extraction of drugs from urine. Predmore DB, et al. **Anal Chem** 48(2):361–3, Feb 76

[Determination of the initial stage of fat auto–oxidation in dry dairy products by ultraviolet spectrophotometry] Bruchkova SI. **Vet Med Nauki** 13(4):58–64, 1976 (Eng. Abstr.) **(Bul)**

[Comparative study of methods of potentiometric and spectrophotometric reading in Fricke's dosimetry] Calderaro E, et al. **Minerva Ecol Idroclimatol Fis Nucl** 15(2):62–7, Apr–Jun 75 (Eng. Abstr.) **(Ita)**

[Optimization of the spectrophotometric determination of ftorafur] Belikov VG, et al. **Farmatsiia** 25(2):71–2, 1976 **(Rus)**

[A simple experiment planning for the selection of the optimal conditions for the differential spectrophotometric determination of dimecarbin] Kul' Ila, et al. **Farmatsiia** 25(2):23–6, 1976 (Eng. Abstr.) **(Rus)**

[Spectrophotometric determination of papaverine and narcotine in biological material] Mikhno VV, et al. **Farmatsiia** 24(3):76–9, May–Jun 75 **(Rus)**

[Differential spectrophotometric determination of salicylic acid derivatives] Tiraspol'skaia SG, et al. **Farmatsiia** 24(1):50–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Spectrophotometric method of determining salsolin and salsolidin in mixtures] Mushinskaia SKh, et al. **Farm Zh** (1):65–7, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Quantitative spectrophotometric determination of sulfadimethoxine] Shumeiko VA, et al. **Farm Zh** 31(3):75–6, May–Jun 76 **(Ukr)**

[UV spectrophotometric method of analysing nalidixic acid] Zubenko VG, et al. **Farm Zh** 30(3):28–33, 1975 (Eng. Abstr.) **(Ukr)**

STANDARDS

The contribution of spectrophotometric instrument month to month variability to the precision of molar concentration measurements using the molar absorptivity constant for NADH. Two years of spectrophotometric precision monitoring using United States National Bureau of Standards absorbance standards at 3 absorbance levels. pp. 249–52. Copeland BE, et al.
In: Anido G, et al., ed. Quality control in clinical chemistry. Berlin, de Gruyter, 1975. W3 IN922PE 1975q.

SPECTROSCOPY see SPECTRUM ANALYSIS

SPECTRUM ANALYSIS

Circular dichroism studies on proteins and 18S–RNA of rat liver ribosomes. Becker M, et al. **Acta Biol Med Ger** 33(5–6):555–7, 1974

A new numerical method for evaluating the Kramers–Kronig transformation. Parris D, et al. **Anal Biochem** 68(1):321–7, Sep 75

Power spectrum of the respiratory system. Frome EL, et al. **Biometrics** 32(2):423–8, JUN 76

Additivity of the effects of salt and ethylene glycol on DNA circular dichroism. Bronner M, et al. **Biopolymers** 15(3):589–98, Mar 76

Circular dichroism of some mononucleosides. Brunner WC, et al. **Biopolymers** 14(3):555–65, Mar 75

Polynucleotide circular dichroism calculations: use of an all–order classical coupled oscillator polarizability theory. Cech CL, et al. **Biopolymers** 15(1):131–52, Jan 76

Circular dichroism of flow–oriented nucleic acids. II. Comparison between observed and calculated spectra. Chung SY, et al. **Biopolymers** 14(7):1531–45, Jul 75

Circular dichroism studies of an elastin crosslinked peptide. Foster JA, et al. **Biopolymers** 15(5):833–41, May 76

Circular dichroism of corticotropin, fragment 1–24, and model compounds. An assessment of the contributions of the peptide chromophore and armoatic residues. Holladay LA, et al. **Biopolymers** 15(1):43–59, Jan 76

On the various types of circular dichroism induced on acridine orange bound to poly(S–carboxymethyl–L–cysteine). Imae T, et al. **Biopolymers** 14(6):1213–21, Jun 75

Circular dichroism of collagen, gelatin, and poly(proline) II in the vacuum ultraviolet. Jenness DD, et al. **Biopolymers** 15(3):513–21, Mar 76

Letter: Circular dichroism in the 220–250–nm region of homopolypeptides of aliphatic amino acids in the random–coil conformation in trifluoroacetic acid. Lorenzi GP, et al. **Biopolymers** 14(1):237–40, Jan 75

Optical activity of polypeptides in the infrared. Predicted CD of the amide I and amide II bands. Snir J, et al. **Biopolymers** 14(1):173–96, Jan 75

Letters to the editors: 'Though it's been said many times, many ways...'. Thorngate JH. **Health Phys** 28(5):633–4, May 75

Studies of theoretical circular dichroism of polypeptides: contributions of beta turns. pp. 338–50. Woody RW.
In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p.

Circular dichroism of human pituitary luteinizing hormone and its glycopeptides. Curve resolution and band assignments to the peptide chromophore, aromatic residues, disulfides, and N–acetylated amino sugars. Puett D, et al. **Int J Pept Protein Res** 8(2):183–91, 1976

Letter: Preferred base sites of actinomycin–deoxyribonucleic acid bindings by circular dichroism. Allen FS, et al. **J Am Chem Soc** 98(3):864–5, 4 Feb 76

Optical properties of sugars. 4. Circular dichroism of methyl aldopyranosides. Nelson RG, et al. **J Am Chem Soc** 98(14):4296–301, 7 Jul 76

Optical properties of sugars. 3. Circular dichroism of aldo– and ketopyranose anomers. Nelson RG, et al. **J Am Chem Soc** 98(14):4290–5, 7 Jul 76

Magnetic circular dichroism studies of indole, DL–tryptophan, and serotonin. Sprinkel FM, et al. **J Am Chem Soc** 97(23):6653–7, 12 Nov 75

Light–absorbing properties, stability, and spectral stabilization of indocyanine green. Landsman ML, et al. **J Appl Physiol** 40(4):575–83, Apr 76

The circular dichroism of N–thiobenzoyl–L–alpha–amino–acids. Part VI. Assessment of the resolution of amino–acids as their N–thiobenzoyl derivatives. Barrett GC, et al. **J Chem Soc [Perkin 1]** (22):2313–5, 1975

Trace–element concentrations in human hair measured by proton–induced x–ray emission. Rendić D, et al. **J Invest Dermatol** 66(6):371–5, Jun 76

Aspects of scanning microdensitometry. III. The monochromator system. Goldstein DJ. **J Microsc (Oxf)** 105(1):33–56, Sep 75

Fluorescence–detected magnetic circular dichroism of fluorescent and nonfluorescent molecules. Sutherland JC, et al. **Proc Natl Acad Sci USA** 73(2):276–80, Feb 76

Action spectra and their interpretation. Kleczkowski A. **Res Prog Org Biol Med Chem** 3 Pt 1:48–70, 1972

Nonlinear high resolution laser spectroscopy. Letokhov VS. **Science** 190(4212):344–51, 24 Oct 75

Spectroscopic implications of line broadening in large molecules. Fischer G. **Top Curr Chem** (66):115–47, 1976 (69 ref.)

Characterization of triplet states by optical spectroscopy. Wild UP. **Top Curr Chem** (55):1–47, 1975 (80 ref.)

[The spectrum analysis of the electromyogram: the adaptation of autoregressive models to the interference electromyogram] Bräuer D, et al. **Acta Biol Med Ger** 34(5):805–10, 1975 (Eng. Abstr.) **(Ger)**

[Radiological meneral equivalent determinations in bone. The problems of build–up factor (author's transl)] Hermanutz KD, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):178–80, Aug 76 (Eng. Abstr.) **(Ger)**

[Spectrum analysis of first and second heart sounds] Lippold R, et al. **Verh Dtsch Ges Inn Med** 81:1699–701, 1975 **(Ger)**

[Study of the ultraviolet absorption color pattern of phenolic compounds. I. Simultaneous determination of ethopabate and its expected contamination] György M, et al. **Acta Pharm Hung** 46(2):78–84, Mar 76 (Eng. Abstr.) **(Hun)**

[Determination of absolute configuration of amine compounds of pharmaceutical interest by means of measurement of circular dichroism] Bettoni G, et al. **Farmaco [Sci]** 31(2):105–11, Feb 76 (Eng. Abstr.) **(Ita)**

[Elemental analysis of biological objects by characteristic x–ray radiation excited by protons] Strashinskiĭ AG, et al. **Biofizika** 20(4):621–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Absorption and luminescence spectrums of blood and yeast] Gurov FI, et al. **Sud Med Ekspert** 18(3):32–5, Jul–Sep 75 **(Rus)**

[Spectrum analysis in the study of intracellular regulation of the metabolism of substances and engery] Karnaukhov VN. **Tsitologiia** 18(4):408–18, Apr 76 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A high–pressure sample cell for circular dichroism studies. Harris RD, et al. **Anal Biochem** 73(2):363–8, Jun 76

Spectroelectrochemical cell for anaerobic transfer of biological samples for low temperature electron paramagnetic resonance studies. Anderson JL. **Anal Chem** 48(6):921–3, May 76

Determination of copper and iron in microliter samples by flame atomic emission spectrometry with a tantalum filament vaporizer. McCullough MR, et al. **Anal Chem** 48(7):1006–8, Jun 76

Photon correlation spectroscopy, total intensity light scattering with laser radiation, and hydrodynamic studies of a well fractionated DNA sample. Jolly D, et al. **Biopolymers** 15(1):61–95, Jan 76

Measurement of circular dichroism using a thin cell. Radding tw, et al. **Biopolymers** 15(3):591–4, Mar 76

Equipment for data registration and processing in fast spectroscopy. pp. 331–3. Stoimenov A, et al.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

[On the circularly polarization of luminescence––its principle and applicability to biochemistry (author's transl)] Shindo Y. **Protein Nucleic Acid Enzyme (Tokyo)** 20(11):1039–47, Sep 75 (46 ref.) **(Jpn)**

[A device for preparative electrophoresis in acrylamide gel with axial elution in the direction of charge migration and continuous registration of the optical density of the substrate] Vitvitskiĭ VN. **Biol Nauki** (11):133–8, 1975 **(Rus)**

[Spectral analysis method in veterinary science] Kudashev AK. **Veterinariia** (9):115–6, Sep 75 **(Rus)**

METHODS

Standards for iron, cobalt, nickel, copper, and zinc in laser microprobe emission spectrometry of biological material. Giovannini E, et al. **Anal Chem** 48(11):1517–9, Sep 76

Vidicon detection of resonance Raman spectra: cytochrome c. Woodruff WH, et al. **Anal Chem** 48(1):186–9, Jan 76

Linear dichroism of biological chromophores. Hofrichter J, et al. **Annu Rev Biophys Bioeng** 5:511–60, 1976 (353 ref.)

Low–frequency Raman spectra of lysozyme. Genzel L, et al. **Biopolymers** 15(1):219–25, Jan 76

Raman studies of bovine serum albumin. Lin VJ, et al. **Biopolymers** 15(1):203–18, Jan 76

Applications of the chiroptical techniques to the study of natural products. Scopes PM. **Fortschr Chem Org Naturst** 32:167–265, 1975 (350 ref.)

Vacuum ultraviolet circular dichroism of beta–forming alkyl oligopeptides. Balcerski JS, et al. **J Am Chem Soc** 98(12):3470–3, 9 Jun 76

Laser–excited Raman spectroscopy of biomolecules. VIII. Conformational study of bovine serum albumin. Chen MC, et al. **J Am Chem Soc** 98(4):990–2, 18 Feb 76

Letter: Resonance raman spectroscopy with unsymmetrically isotopic ligands. Differentiation of possible structures of hemerythrin complexes. Kurtz DM Jr, et al. **J Am Chem Soc** 98(16):5033–5, 4 Aug 76

Magnetic circular dichroism studies of myoglobin complexes. Correlations with heme spin state and axial ligation. Vickery L, et al. **J Am Chem Soc** 98(2):343–50, 21 Jan 76

Magnetic circular dichroism studies of low–spin cytochromes. Temperature dependence and effects of axial coordination on the spectra of cytochrome c and cytochrome b5. Vickery L, et al. **J Am Chem Soc** 98(2):351–7, 21 Jan 76

Reference Raman spectra of DDT and five structurally related pesticides and of five pesticides containing the norbornen group. Nicholas ML, et al. **J Assoc Off Anal Chem** 59(1):197–208, Jan 76

Quantitation of RNA tumor viruses by spectroscopy of density gradient gels. Liebes LF, et al. **J Virol** 16(3):546–52, Sep 75

Spectrum of the acetylene/air flame used in the determination of iron by atomic absorption spectrophotometry. Faithfull NT. **Lab Pract** 24(11):737–9, Nov 75

A method for estimation of thermoluminescence emission spectra. Spurný Z, et al. **Phys Med Biol** 21(3):439–41, May 76

Inelastic electron tunneling spectroscopy of nucleic acid derivatives. Clark JM, et al. **Proc Natl Acad Sci USA** 73(5):1598–602, May 76

Magnetic circular dichroism of ferrous carbonyl adducts of cytochromes P–450 and P–420 and their synthetic models: further evidence for mercaptide as the fifth ligand to iron. Collman JP, et al. **Proc Natl Acad Sci USA** 73(1):6–10, Jan 76

Raman resonance of electron donor/acceptor complex. Michaelian KH, et al. **Proc Natl Acad Sci USA** 72(11):4196–9, Nov 75

Determination of molecular weights by fluctuation spectroscopy: application to DNA. Weissman M, et al.

Proc Natl Acad Sci USA 73(8):2776–80, Aug 76

Bone mineral content in the forearm measured by photon absorptiometry. Principles and reliability. Christiansen C, et al. **Scand J Clin Lab Invest** 35(4):323–30, Jul 75

Thermal lens technique: a new method of absorption spectroscopy. Long ME, et al. **Science** 191(4223):183–5, 16 Jan 76

Opsin structure probed by raman spectroscopy of photoreceptor membranes. Rothschild KJ, et al. **Science** 191(4232):1176–8, 19 Mar 76

Micro-determination of bromine in biological samples using proton-induced x-ray emission spectroscopy. Honda K, et al. **Tohoku J Exp Med** 117(1):89–91, Sep 75

[Investigations of oxide layers on pure metals using ESCA technique (author's transl)] Holm R, et al. **Arch Orthop Unfallchir** 82(3):263–70, 27 Jun 75 (Eng. Abstr.) **(Ger)**

[Roetgen photoelectronic spectrometric investigation of organic nitrogen compounds] Falk H. **Mikrochim Acta** Suppl 6:457–66, 1975 (Eng. Abstr.) **(Ger)**

[The use of combined spectroscopy in analytical toxicology (author's transl)] Bäumler J, et al. **Z Rechtsmed** 76(3):159–86, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Short review on Raman spectroscopy application to the study of membrane model systems (author's transl)] Ricci FF. **Ann Ist Super Sanita** 10(3–4):117–33, 1974 (55 ref.) (Eng. Abstr.) **(Ita)**

[Study of the possibility of utilizing spectral methods for the analysis of opaque solutions in producing penicillin] Rusin VN, et al. **Antibiotiki** 20(8):681–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Forensic medical differentiation of the ribs of children, dogs and rabbits by an emission spectrographic method] Neznakomtseva EP. **Sud Med Ekspert** 18(4):42–5, Oct–Dec 75 **(Rus)**

[Quantitative determination of trace elements in biological fluids by means of emission spectral analysis] Kazakov SB, et al. **Farm Zh** 31(3):74–5, May–Jun 76 **(Ukr)**

SPECTRUM ANALYSIS, MASS

Studies on the application of integrated gas chromatography–mass spectrometry in drug purity control. Impurities in clofibrate, norethindrone, methandienone, haloperidol and meladrazine. Diding E, et al. **Acta Pharm Suec** 13(1):55–64, 1976

Biomedical applications of vapor phase analysis. Heath E, et al. **Addict Dis** 2(1–2):123–39, 1975

Computerized, noninvasive tests of lung function. A flexible approach using mass spectrometry. Guy HJ, et al. **Am Rev Respir Dis** 113(6):737–44, Jun 76

N-permethylation of polyamines for gas chromatographic and mass spectrometric analyses. Giumanini AG, et al. **Anal Chem** 48(3):484–9, Mar 76

Use of trapped water as a chemical ionization agent in mass spectrometric analysis of environmental air samples. Wang IC, et al. **Anal Chem** 48(3):491–3, Mar 76

Application of chemical ionization mass spectrometry to the study of stereoselective in vitro metabolism of 1-(2,5-dimethoxy-4-methylphenyl)-2-aminopropane. Weinkam RJ, et al. **Anal Chem** 48(1):203–9, Jan 76

Sequence analysis of polypeptides and proteins by combined gas chromatography–mass spectrometry. Nau H. **Angew Chem [Engl]** 15(2):75–86, Feb 76

Advances in the detection of amino acids in biological fluids. Hammond JE, et al. **Ann Clin Lab Sci** 6(2):158–66, Mar–Apr 76

Field desorption and field ionization mass spectrometry. Games DE. **Biochem Soc Trans** 3(4):455–60, 1975

Applications of chemical ionization mass spectrometry. Wilson JM. **Biochem Soc Trans** 3(4):453–5, 1975

Qualitative and quantitative mass spectrometry of some biologically important trace metals as their tetraphenylporphyrin chelates. Davis BA, et al. **Biomed Mass Spectrom** 3(2):71–6, Apr 76

Mass spectral studies on prostaglandins. II—Prostaglandins E1 and E2. Horváth G. **Biomed Mass Spectrom** 3(1):4–13, Feb 76

Quantitation of a urinary tetrasaccharide by gas chromatography and mass spectrometry. Lennartson G, et al. **Biomed Mass Spectrom** 3(2):51–4, Apr 76

Recent advances in pyrolysis mass spectrometry of complex biological materials. Meuzelaar HL, et al. **Biomed Mass Spectrom** 1(5):312–9, Oct 74

Analysis of estrogen glucuronides. I—Characterization of estrogen glucuronides by gas chromatography mass spectrometry. Miyazaki H, et al. **Biomed Mass Spectrom** 3(2):55–9, Apr 76

Derivatization of aminoalkylphosphonic acids for characterization by gas chromatography mass spectrometry. Rueppel ML, et al. **Biomed Mass Spectrom** 3(1):28–31, Feb 76

The mass spectrometric identification of dipeptide mixtures obtained from dipeptidylaminopeptidase. I—Hydrolysates. Schier GM, et al. **Biomed Mass Spectrom** 3(1):32–40, Feb 76

Mass spectra of delta4- and 5alpha-3-ketosteroids formed during the oxidation of some 3beta-hydroxysteroids by cholesterol oxidase. Smith AG, et al. **Biomed Mass Spectrom** 3(2):81–7, Apr 76

Gas chromatographic mass spectrometric evaluation of free organic acids in human saliva. Ward ME, et al. **Biomed Mass Spectrom** 3(2):77–80, Apr 76

Gas chromatographic – mass spectrometric methods for the detection and identification of anabolic steroid drugs. Ward RJ, et al. **Br J Sports Med** 9(2):93–7, Jul 75

A contribution to psychoactive drug measurement techniques. pp. 15–21. Craig JC, et al. **In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.**

Quantification of trace substances in biological samples using HPLC–MS techniques. pp. 291–6. Valentine JL, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Determination of drugs and metabolites by a GC–MS computer system. pp. 280–97. Nau H. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Mass spectra of sodium N-alkyl and N,N-dialkyl dithiocarbamates and some related compounds. Onuska FI, et al. **J Assoc Off Anal Chem** 59(3):622–32, May 76

Mass spectral studies on aminocyclitol–aminoglycoside antibiotics. Daniels PJ, et al. **J Chem Soc [Perkin I]** (10):1078–88, 1976

Separation and identification of unsaturated steroids by combined gas chromatography–mass spectrometry with Silanox-type glass open tubular columns. Edmonds CG, et al. **J Chromatogr** 116(1):173–6, 7 Jan 76

Applications of high-pressure liquid chromatography and field desorption mass spectrometry in studies of natural porphyrins and chlorophyll derivatives. Evans N, et al. **J Chromatogr** 115(2):325–33, 24 Dec 75

Possibilities and limitations of capillary gas chromatography and mass spectrometry in the analysis of polychlorinated biphenyls. Krupčik J, et al. **J Chromatogr** 119:271–83, 28 Apr 76

Determination of warfarin in animal relicta and feedingstuffs by high-pressure liquid chromatography with confirmation of identity by mass spectrometry. Mundy DE, et al. **J Chromatogr** 121(2):335–41, 23 JUN 76

Gas chromatographic determination and gas chromatographic–mass sepectrometric analysis of chloramphenicol, thiamphenicol and their metabolites. Nakagawa T, et al. **J Chromatogr** 111(2):355–64, 3 Sep 75

Application of mixed electron-impact–chemical ionization high-resolution mass spectrometry to a medicinal agent. Kuhlman CF, et al. **J Pharm Sci** 64(9):1581–3, Sep 75

Adjunct hospital emergency toxicology service. A model for a metropolitan area. Horwitz JP, et al. **JAMA** 235(16):1708–12, 19 Apr 76

A descriptive appreciation of modern laboratory instrumentation used for medicolegal purposes: with special emphasis on gas chromatography and mass spectrometry. Finkle BS. **Leg Med Annu** :69–81, 1975

The use of mass spectrometry in anesthesia and intensive care. Burchardi H, et al. **Pneumonologie** 151(4):288–90, 30 May 75

Mass spectrometric determination of partial pressures of gases in liquids. Löllgen H, et al. **Pneumonologie** 151(4):292–4, 30 May 75

Lung function measurements in ventilated patients using a respiratory mass spectrometer. Lotz P, et al. **Pneumonologie** 151(4):290–2, 30 May 75

Battery of single-breath tests for rapid measurement of pulmonary function using a respiratory mass spectrometer. West JB, et al. **Pneumonologie** 151(4):258–63, 30 May 75

Gas–liquid chromatography–mass spectrometry in biochemistry, pharmacology and toxicology. Lawson AM, et al. **Prog Med Chem** 12:1–103, 1975 (516 ref.)

Glass capillary columns applied to prostaglandins measurement: a useful tool for gas–chromatography mass spectrometry analysis. Maclouf J, et al. **Prostaglandins** 11(6):999–1017, Jun 76

[Use of gas chromatography—mass spectrometry system in toxicology] Chundela B, et al. **Cesk Patol** 11(4):56–64, Nov 75 (Eng. Abstr.) **(Cze)**

[Use of gas chromatography—mass spectrometry in toxicology] Chundela B, et al. **Soud Lek** 20(2):17–25, May 75 (Eng. Abstr.) **(Cze)**

[The value of the mass spectrometer for forensic toxicology] Langenbeck U. **Beitr Gerichtl Med** 33:182–4, 1975 (Eng. Abstr.) **(Ger)**

[Use of mass spectrophotometric gas chromatography in the study of psychostimulating substances] Cartoni GP, et al. **Boll Chim Farm** 115(4):347–53, Apr 76 (Eng. Abstr.) **(Ita)**

[Use of mass fragmentography in biochemistry and medicine] Pantarotto C, et al. **Boll Chim Farm** 115(1):1–29, JAN 76 **(Ita)**

[Recent advances in gas chromatography–mass spectrometry (GC–MS): its application to medicine and biology] **Folia Pharmacol Jpn** 72(1):1–14, 1976 (42 ref.) **(Jpn)**

[Studies on the constituents of Lindera erythrocarpa Makino. II. Mass spectrometry of the falvonoids from the fruits (author's transl)] Liu S, et al. **J Pharm Soc Jpn** 96(4):511–8, Apr 76 (Eng. Abstr.) **(Jpn)**

[Computer based identification of mass spectrum] Abrahamsson S. **Lakartidningen** 73(8):628–9, 18 Feb 76 (Eng. Abstr.) **(Swe)**

[Use of mass fragmentography for development of reference methods in clinical chemistry] Björkhem I, et al. **Lakartidningen** 73(8):618–21, 18 Feb 76 (Eng. Abstr.) **(Swe)**

[Mass spectrometric analysis in clinical chemistry] Blomstrand R, et al. **Lakartidningen** 73(8):617–8, 18 Feb 76 **(Swe)**

[Mass spectrometry in drug addiction—and intensive care] Brante G. **Lakartidningen** 73(8):631–7, 18 Feb 76 (Eng. Abstr.) **(Swe)**

[Aliphatic dicarboxylic acids in urine] Lindstedt S, et al. **Lakartidningen** 73(8):622–5, 18 Feb 76 (Eng. Abstr.) **(Swe)**

[Quantitative analysis of oligosaccharides and glycopeptides in urine by gas chromatography—mass spectrometry] Lundblad A, et al. **Lakartidningen** 73(8):626–7, 18 Feb 76 (Eng. Abstr.) **(Swe)**

[Analysis of catecholamine metabolites by gas chromatography—mass spectrometry] Sjöquist B, et al. **Lakartidningen** 73(8):630, 637, 18 Feb 76 (Eng. Abstr.) **(Swe)**

INSTRUMENTATION

Application of real-time mass spectrometric techniques to environmental organic geochemistry. I. Computerized high resolution mass spectrometry and gas chromatography–low resolution mass spectrometry. Simoneit BR, et al. **Arch Environ Contam Toxicol** 3(4):385–409, 1975–76

A device for monitoring selected peaks in repetitively scanned mass spectra. Lee CR. **Biomed Mass Spectrom** 3(1):48–9, Feb 76

Mass spectrometer for multiple respiratory gas analysis. Stout RL, et al. **Biomed Tech (Stuttg)** 20(5):165–71, Oct 75

Proceedings: Mass spectrometric analysis of gas mixtures which include high oxygen concentrations. Goodwin B, et al. **Br J Anaesth** 47(8):901, Aug 75

Fluid flow effects on readings from the mass spectrometer with diffusion membrane catheter. Ostrander LE, et al. **IEEE Trans Biomed Eng** 22(5):448–51, Sep 75

A chronic implant for intracerebral mass spectrometric gasometry in the rhesus monkey. Kennealy JA, et al. **Lab Anim Sci** 26(2 Pt 1):230–3, Apr 76

Water-vapor-independent inlet system for a respiratory mass spectrometer: application to experiments with a human centrifuge. von Nieding G, et al. **Med Prog Technol** 3(3):119–23, 3 Dec 75

Improvements to inlet systems with special reference to the time constants. Heise D, et al. **Pneumonologie** 151(4):245–6, 30 May 75

Electronic feedback circuit for increasing signal-to-noise ratio in a mass spectrometer. Slama H, et al. **Pneumonologie** 151(4):247–9, 30 May 75

Today's respiratory mass spectrometer. Smidt U, et al. **Pneumonologie** 151(4):241–3, 30 May 75

Alterations in analysis of tissue gases following chronic implantation of Teflon cannulas. Miller SH, et al. **Surg Forum** 26:565–7, 1975

METHODS

Field desorption mass spectrometry of biogenic amines and isoquinoline alkaloids: some comparisons with chemical ionization results. Wood GW, et al. **Anal Chem** 48(7):981–4, Jun 76

Steroid phosphorus compounds. V—Mass spectrometry of phosphinic esters of monohydroxy steroids. Jacob K, et al. **Biomed Mass Spectrom** 3(2):64–70, Apr 76

A quantitative method of sample loading for field desorption mass spectrometry. Olson KL, et al. **Biomed Mass Spectrom** 1(5):358–62, Oct 74

Gas chromatographic – mass spectrometric methods for the detection and identification of anabolic steroid drugs. Ward RJ, et al. **Br J Sports Med** 9(2):93–7, Jul 75

Microbial petroleum degradation: application of computerized mass spectrometry. Walker JD, et al. **Can J Microbiol** 21(11):1760–7, Nov 75

The examination of some vinyl acetate/olefin copolymers by pyrolysis gas chromatography mass spectrometry. Sellier N, et al. **J Chromatogr Sci** 13(8):383–5, 10 Aug 75

Cerebral and hepatic blood flow measured during shock using the mass spectrometer. Gerratana FJ, et al. **J Surg Res** 20(5):489–92, May 76

Continuous mass spectrographic measurement of halothane partial pressure in blood. Roberts M, et al. **Med Biol Eng** 13(4):535–8, Jul 75

Blood–gas analysis with a mass spectrometer membrane inlet system. Beste KW, et al. **Pneumonologie** 151(4):294–5, 30 May 75

Mass spectrometry for the measurement of intramyocardial gas tensions: methodology and application to the study of myocardial ischemia. Khuri SF, et al. **Recent Adv Stud Cardiac Struct Metab** 10:539–50, 1975

Californium-252 plasma desorption mass spectroscopy. Macfarlane RD, et al. **Science** 191(4230):920–5, 5 Mar 76

[Fast scan high-resolution mass spectrometry using an on-line minicomputer (author's transl)] Kanohta K, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):37–40, 1975 (Eng. Abstr.) **(Jpn)**

STANDARDS

[GC–MS in clinical toxicological analyses] Bümler J, et al. **Beitr Gerichtl Med** 33:177–81, 1975 (Eng. Abstr.) **(Ger)**

SPEECH

see related
VERBAL BEHAVIOR

Speech discrimination in quiet and in white noise by patients with peripheral and central lesions. Olsen WO, et al. **Acta Otolaryngol (Stockh)** 80(5–6):375–82, Nov–Dec 75

Undistorted and filtered speech audiometry in children with normal hearing. Palva A, et al. **Acta Otolaryngol (Stockh)** 80(5–6):383–8, Nov–Dec 75

Cerebral dominance: the development of handedness and speech. Steffen H. **Acta Paedopsychiatr (Basel)** 41(6):223–35, 1975

Are audiologists strict oralists? Brainerd SH. **Am Ann Deaf** 120(5):489–92, Oct 75

Speech detection thresholds and comfortable loudness levels for speech in children with limited hearing. Rubin M, et al. **Am Ann Deaf** 120(6):564–7, Dec 75

Recognition and reproduction of words by Down's syndrome and non-Down's syndrome retarded children. Dodd B. **Am J Ment Defic** 80(3):306–11, Nov 75

Comparison of speech discrimination in nonretarded and retarded listeners. Niswander PS, et al. **Am J Ment Defic** 80(2):217–22, Sep 75

Posterior cricoarytenoid as a speech muscle. Hirose H. **Ann Otol Rhinol Laryngol** 85(3 pt 1):335–42, May–Jun 76

Estimating speech threshold from the PI–PB function. Jerger S, et al. **Arch Otolaryngol** 102(8):487–96, Aug 76

On the relationship of speech to language. Cutting JE, et al. **ASHA** 17(8):500–6, Aug 75

Children's perception of temporally distorted sentential approximations of varying length. Beasley DS, et al. **Audiology** 15(4):315–25, Jul–Aug 76

Use of frequency-shifted/time-compressed speech with hearing-impaired children. Beasley DS, et al. **Audiology** 15(5):395–406, Sep–Oct 76

Binaural and monaural speech discrimination under reverberation. Gelfand SA, et al. **Audiology** 15(1):72–84, Jan–Feb 76

Speech intelligibility and the use of hearing protectors. Lindeman HE. **Audiology** 15(4):348–56, Jul–Aug 76

Intelligibility of distorted speech sounds shifted in frequency and time in normal children. Nagafuchi M. **Audiology** 15(4):326–37, Jul–Aug 76

Speech audiometry and fitting of hearing aids in noise. Niemeyer W. **Audiology** 15(5):421–7, Sep–Oct 76

Intelligibility of speech transduced via classroom-installed FM and conventional audio induction loop amplification systems. Sung GS, et al. **Audiology** 15(3):257–62, May–Jun 76

Binaural speech discrimination. van Zyl FJ, et al. **Audiology** 15(5):407–12, Sep–Oct 76

Speech audiometry for children and subjective probability of Polish words. Zakrzewski A, et al. **Audiology** 15(3):228–31, May–Jun 76

Use of the invariant method of speech analysis to discern the emotional state of announcers. Simonov PV, et al. **Aviat Space Environ Med** 46(8):1014–6, Aug 75

Hearing under stress: IV. a speech delivery communication system for utilization in high ambient noise environments. Whitehead GL, et al. **Aviat Space Environ Med** 47(8):811–2, Aug 76

A self-administered program for public speaking anxiety. Marshall WL, et al. **Behav Res Ther** 14(1):33–9, 1976

The prediction and predictability of speech in schizophrenic patients. Rutter DR, et al. **Br J Psychiatry** 126:571–6, Jun 75

Some evidence for 'speech' as an acoustic feature. Morton J, et al. **Br J Psychol** 67(1):31–45, Feb 76

On the specification of input units in speech perception. Bond ZS. **Brain Lang** 3(1):72–87, Jan 76

The ontogeny of brain lateralization for speech and nonspeech stimuli. Molfese DL, et al. **Brain Lang** 2(3):356–68, Jul 75

The nature of internal speech in a patient with aphemia. Nebes RD. **Brain Lang** 2(4):489–97, Oct 75

An analysis of speech perception in word deafness. Saffran EM, et al. **Brain Lang** 3(2):209–28, Apr 76

Relation between speech perception and speech production impairment in children with developmental dysphasia. Tallal P, et al. **Brain Lang** 3(2):305–17, Apr 76

Spontaneous speech of aphasic patients: a psycholinguistic analysis. Wagenaar E, et al. **Brain Lang** 2(3):281–303, Jul 75

Dichotic competition of simultaneous tone bursts of different frequency: IV. Correlation with dichotic competition of speech signals. Yund EW, et al. **Brain Lang** 3(2):246–54, Apr 76

Relation between speech production and oro-facial structures in individuals with isolated clefts of the palate. Bishara SE, et al. **Cleft Palate J** 12:452–60, Oct 75

A comparative study of results of the von Langenbeck and the V–Y pushback palatoplasties. Krause CJ, et al. **Cleft Palate J** 13:11–9, Jan 76

A cineradiographic investigation of velar movement variables in two normals. Kuehn DP. **Cleft Palate J** 13:88–103, Apr 76

Speech results after Millard island flap repair in cleft palate and other velopharyngeal insufficiencies. Lewin ML, et al. **Cleft Palate J** 12:263–9, Jul 75

Ultrasonic measurement of lateral pharyngeal wall movement at the velopharyngeal port. Ryan WJ, et al. **Cleft Palate J** 13:156–64, Apr 76

Issues involved in the evaluation of velopharyngeal closure. Shelton RL, et al. **Cleft Palate J** 13:127–37, Apr 76 (47 ref.)

Patterns of velopharyngeal closure in subjects with repaired cleft palate and normal speech: a multi-view videofluoroscopic analysis. Skolnick ML, et al. **Cleft Palate J** 12:369–76, Oct 75

Effects of dichotically presented simulatneous synchronous and delayed auditory feedback on key tapping performance. Cooper WA Jr, et al. **Cortex** 11(3):206–15, Sep 75

Simple reaction-times to speech and non-speech stimuli. Fry DB. **Cortex** 11(4):355–60, Dec 75

Hemispheric specialization for speech perception in four-year-old children from low and middle socio-economic classes. Geffner DS, et al. **Cortex** 12(1):71–3, Mar 76

The development of auditory figure-ground discrimination and ear asymmetry under nonaural stimulus presentation. Howland A, et al. **Dev Med Child Neurol** 17(3):325–32, Jun 75

Speech-sound discrimination ability on linguistically unbiased tests. Bryen DN. **Except Child** 42(4):195–201, Jan 76

Influence of phonetic environment on articulatory performance. Part II. Clinical applications. pp. 334–9. Griffith J.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Influence of phonetic environment on articulatory performance. Part I. Methods of analysis. pp. 330–3. Miner LE.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Discrimination of phonemes and word accent types in Japanese aphasic patients. pp. 403–8. Sasanuma S, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Development of a test instrument for speech discrimination. pp. 37–46. Gerstman HL.
In: Rubin M, ed. Hearing aids: current developments and concepts. Baltimore, University Park Press, 1976. WV 274 H435 1975.

Identification of vowels excerpted from neutral and nasal contexts. Bond ZS. **J Acoust Soc Am** 59(5):1229–6, May 76

Speech perception by the chinchilla: discrimination of sustained /a/ and /i/. Burdick CK, et al. **J Acoust Soc Am** 58(2):415–27, Aug 75

Is the effort dependence of speech loudness explicable on the basis of acoustical cues? Glave RD, et al. **J Acoust Soc Am** 58(4):875–9, Oct 75

Modification of vocalizations of preschool deaf children by vibrotactile and visual displays. Goldstein MH Jr, et al. **J Acoust Soc Am** 59(6):1477–81, Jun 76

Speaker-identifying features based on formant tracks. Goldstein UG. **J Acoust Soc Am** 59(1):176–82, Jan 76

Perceptual features of speech for males in four perceived age decades. Hartman DE, et al. **J Acoust Soc Am** 59(3):713–5, Mar 76

Low-frequency phase distortion of speech recordings. Holmes JN. **J Acoust Soc Am** 58(3):747–9, Sep 75

Linguistic uses of segmental duration in English: acoustic and perceptual evidence. Klatt DH. **J Acoust Soc Am** 59(5):1208–21, May 76

On the front cavity resonance and its possible role in speech perception. Kuhn GM. **J Acoust Soc Am** 58(2):428–33, Aug 75

Acoustic effects of style of speech. Ladefoged P, et al. **J Acoust Soc Am** 59(1):228–31, Jan 76

Speaker sex identification from voiced, whispered, and filtered isolated vowels. Lass NJ, et al. **J Acoust Soc Am** 59(3):675–8, Mar 76

An investigation of speaker photograph indentification. Lass NJ, et al. **J Acoust Soc Am** 59(5):1232–6, May 76

Citation to Franklin S. Cooper. Liberman AM, et al. **J Acoust Soc Am** 58 suppl 1:Suppl preceeding S79, Fall 75

Linear estimation of nonstationary signals. Liporace LA. **J Acoust Soc Am** 58(6):1288–96, Dec 75

Automatic segmentation of speech into syllabic units. Mermelstein P. **J Acoust Soc Am** 58(4):880–3, Oct 75

Response of cochlear-nucleus neurons to synthetic speech. Moore TJ, et al. **J Acoust Soc Am** 59(6):1443–9, Jun 76

Comments on 'Temporal interactions within a phrase and sentence context' (J. Acoust. Soc. Am. 56, 1258–1265 (1974)). Ohala JJ, et al. **J Acoust Soc Am** 59(4):990–2, Apr 76

Coarticulatory effects of voiced stops on the reduction of acoustic vowel targets. Ohde RN, et al. **J Acoust Soc Am** 58(4):923–7, Oct 75

Speech resynthesis from phoneme-related parameters. Olive JP, et al. **J Acoust Soc Am** 59(4):993–6, Apr 76

Time-frequency resolution experiment in speech analysis and synthesis. Patisaul CR, et al. **J Acoust Soc Am** 58(6):1296–307, Dec 75

Effect of delayed channel on the perception of dichotically presented speech and nonspeech sound. Porter RJ Jr. **J Acoust Soc Am** 58(4):884–92, Oct 75

Effects of practice on the perception of dichotically presented stop–consonant–vowel syllables. Porter RJ Jr, et al. **J Acoust Soc Am** 59(3):679–82, Mar 76

Interaural-intensive differences and dichotic listening. Speaks C, et al. **J Acoust Soc Am** 58(4):893–8, Oct 75

Comment on 'Interaural alternation, information load, and speech intelligibility' (J. Acoust. Soc. Am. 57, 1219–1220 (1975)). Speaks C. **J Acoust Soc Am** 60(1):272–8, Jul 76

Computer-based sound spectrograph system. Strong WJ, et al. **J Acoust Soc Am** 58(4):899–904, Oct 75

Talking chess for the blind. Surlan A. **J Acoust Soc Am** 58(4):930–1, Oct 75

What information enables a listener to map a talker's vowel space? Verbrugge RR, et al. **J Acoust Soc Am** 60(1):198–21, Ju! 76

Letter: Comments on summarization of the findings of Liberman et al. regarding the role of formant transitions in the perception of voiceless stops. Winitz H, et al. **J Acoust Soc Am** 58(6):1333, Dec 75

Intelligibility of speech under nonexponential decay conditions. Yegnanarayana B, et al. **J Acoust Soc Am** 58(4):853–7, Oct 75

An investigation of the Auditec of St. Louis recordings of the Central Institute for the Deaf spondees. Beattie RC, et al. **J Am Audiol Soc** 1(3):97–101, Nov–Dec 75

Unreliability of half-list discrimination tests. Jirsa RE, et al. **J Am Audiol Soc** 1(2):47–9, Sep–Oct 75

Performance of noise-induced hearing-impaired listeners on time-compressed consonant-nucleus-consonant monosyllables. Kurdziel SA, et al. **J Am Audiol Soc** 1(2):54–60, Sep–Oct 75

Analysis of half-list scores on the PB–K 50 as a function of time compression and age. Manning WH, et al. **J Am Audiol Soc** 1(3):109–11, Nov–Dec 75

Internal circuit noise of hearing aids and speech intelligibility. Sung RJ, et al. **J Am Audiol Soc** 1(6):239–42, May–Jun 76

Further study of existence regions for the 'ventriloquism effect'. Thurlow WR, et al. **J Am Audiol Soc** 1(6):280–6, May–Jun 76

Evaluation of the effects of presentation rate and speaking rate on children's auditory perception of two levels of linguistic material. Waxenberg C, et al. **J Am Audiol Soc** 1(5):175–8, Mar–Apr 76

Northwestern University Auditory Test No. 6: normative and comparative intelligibility functions. Wilson RH, et al. **J Am Audiol Soc** 1(5):221–8, Mar–Apr 76

Effects of signal processing on intelligibility of speech in noise for persons with sensorineural hearing loss. Yanick P Jr. **J Am Audiol Soc** 1(5):229–38, Mar–Apr 76

Automated desensitization for the clinical treatment of speech anxiety. McManus M, et al. **J Am Coll Health Assoc** 24(4):218–20, Apr 76

The training and generalization of a conversational speech form in nonverbal retardates. Garcia E. **J Appl Behav Anal** 7(1):137–49, Spring 74

Delivery of papers at scientific meetings. Audy JR. **J Biocommun** 1(2):30–3, Nov 74

Susceptibility to delayed auditory feedback and dependence on auditory or oral sensory feedback. Burke BD. **J Commun Disord** 8(1):75–96, Mar 75

A helper model for behavioral treatment of speech anxiety. Fremouw WJ, et al. **J Consult Clin Psychol** 43(5):652–60, Oct 75

Effectiveness of voluntary heart rate control in reducing speech anxiety. Gatchel RJ, et al. **J Consult Clin Psychol** 44(3):381–9, Jun 76

Studies of mandibular movements in speech. Geissler PR. **J Dent** 3(6):256–60, Nov 75

The effect of complete dentures on the development of speech articulation in children. Mitchell AC, et al. **J Dent** 4(4):175–82, Jul 76

VOT discrimination by four to six and a half month old infants from Spanish environments. Lasky RE, et al. **J Exp Child Psychol** 20(2):215–25, Oct 75

Effect of subvocalization on memory for speech sounds. Cole RA, et al. **J Exp Psychol [Hum Learn]** 1(6):772–9, Nov 75

Aspects of phonological fusion. Cutting JE. **J Exp Psychol [Hum Percept]** 104(2):105–20, May 75

Perception of temporal order in vowel sequences with and without formant transitions. Dorman MF, et al. **J Exp Psychol [Hum Percept]** 104(2):147–53, May 75

An auditory analog of the Stroop Test. Shor RE. **J Gen Psychol** 93(Second Half):281–8, Oct 75

Logopaedic findings following advancement of the maxilla. Schwarz C, et al. **J Maxillofac Surg** 4(1):40–55, Mar 76

Correction of anterior open bite deformity: a study of tongue function, speech changes, and stability. Turvey TA, et al. **J Maxillofac Surg** 4(2):93–101, Jun 76

Truax factors, speech characteristics, and therapeutic outcome. Staples FR, et al. **J Nerv Ment Dis** 163(2):135–40, Aug 76

Children's perception of time-compressed speech on two measures of speech discrimination. Beasley DS, et al. **J Speech Hear Disord** 41(2):216–25, May 76

The effects of age on the diagnostic utility of the rollover phenomenon. Gang RP. **J Speech Hear Disord** 41(1):63–9, Feb 76

The effects of age on the diagnostic utility of the rollover phenomenon. Gang RP. **J Speech Hear Disord** 41(1):63–9, Feb 76

Kibbutz and city children: a comparative study of syntactic and articulatory abilities. Holdstein I, et al. **J Speech Hear Disord** 41(1):10–5, Feb 76

Pure tone-spondee threshold relationships in functional hearing loss: a hypothesis. Ventry IM. **J Speech Hear Disord** 41(1):16–22, Feb 76

Letter: The development of consonants /t/ and /k/ in the speech of preschool children. Weybright G. **J Speech Hear Disord** 41(1):134–5, Feb 76

Assessment of velar and lateral wall movement by oral telescope and radiographic examination in patients with

velopharyngeal inadequacy and in normal subjects. Zwitman DH, et al. **J Speech Hear Disord** 41(3):381–9, AUG 76

Motor impairment following blockade of the infraorbital nerve: implications for the use of anesthetization techniques in speech research. Abbs JH, et al. **J Speech Hear Res** 19(1):19–35, Mar 76

Influence of encoding and acoustic similarity on the ear advantage and lag effect in dichotic listening. Beiter RC, et al. **J Speech Hear Res** 19(1):78–92, Mar 76

The effects of word length and visual complexity on verbal reaction times. Brennan DG, et al. **J Speech Hear Res** 19(1):141–55, Mar 76

Use of low-pass noise in word-recognition testing. Cohen RL, et al. **J Speech Hear Res** 19(1):48–54, Mar 76

INDSCAL analysis of perceptual judgments for 24 consonants via visual, tactile, and visual-tactile inputs. Danhauer JL, et al. **J Speech Hear Res** 19(1):68–77, Mar 76

Pronoun assessment: a free speech technique. Davis BB, et al. **J Speech Hear Res** 18(4):765–72, Dec 75

Rhythm and syllable timing in phrase level stress patterning. Folkins JW, et al. **J Speech Hear Res** 18(4):739–53, Dec 75

The effect of combining low- and high-frequency passbands on consonant recognition in the hearing impaired. Franklin B. **J Speech Hear Res** 18(4):719–27, Dec 75

Contextual variables related to inconsistent /s/ and /z/ production in the spontaneous speech of children. Gallagher TM, et al. **J Speech Hear Res** 18(4):623–33, Dec 75

Voice onset time, frication, and aspiration in word-initial consonant clusters. Klatt DH. **J Speech Hear Res** 18(4):686–706, Dec 75

Self and mutual speech comprehension by deviant- and normal-speaking children. Panagos JM, et al. **J Speech Hear Res** 18(4):653–62, Dec 75

Most comfortable loudness for pure tones and speech in the presence of masking noise. Richards AM. **J Speech Hear Res** 18(3):498–505, Sep 75

Effect of selected work attributes on preschoolers' speech disfluency: initial phoneme and length. Silverman EM. **J Speech Hear Res** 18(3):430–4, Sep 75

Self-retrieval and articulatory retention. Winitz H, et al. **J Speech Hear Res** 18(3):466–77, Sep 75

Development of the voicing contrast: a comparison of voice onset time in stop preception and production. Zlatin MA, et al. **J Speech Hear Res** 19(1):93–111, Mar 76

A psycholinguistic comparison of speech, dictation and writing. Blass T, et al. **Lang Speech** 18(1):20–34, Jan–Mar 75

Artifacts in the registration and interpretation of speech-process variables. Braehler E, et al. **Lang Speech** 18(2):166–79, Apr–Jun 75

Effects of cumulative context and guessing methods on estimates of transition probability in speech. Burke JP, et al. **Lang Speech** 18(4):299–311, Oct–Dec 75

Some theoretical considerations of articulation substitution phenomena. Cairns HS, et al. **Lang Speech** 17(2):16073, Apr–Jun 74

Status perception through syntax. Callary RE. **Lang Speech** 17(2):187–92, Apr–Jun 74

A psychophysical study of rate of continuous speech stimuli by means of direct magnitude estimation scaling. Cartwright LR, et al. **Lang Speech** 18(4):358–65, Oct–Dec 75

Response strategies in the partial comprehension of sentences. Graham NC. **Lang Speech** 17(3):205–21, Jul–Sep 74

Time patterns in spontaneous speech—cognitive stride or random walk? A reply to Jaffe, et al. Henderson AI. **Lang Speech** 17(2):119–25, Apr–Jun 74

Unidentifiable utterances in children's speech. Lawson EA, et al. **Lang Speech** 17(3):296–304, Jul–Sep 74

A method for investigating the perceptual segmentation of speech. Riding RJ. **Lang Speech** 18(2):153–7, Apr–Jun 75

Effects of speech rate on personality perception. Smith BL, et al. **Lang Speech** 18(2):145–52, Apr–Jun 75

The silent interval of stop consonants. Suen CY, et al. **Lang Speech** 17(2):126–34, Apr–Jun 74

Slips of the tongue and lexical storage. Tweney RD, et al. **Lang Speech** 18(4):388–96, Oct–Dec 75

Effects of frequency 'recoding' on the articulation learning of perceptively deaf children. Velmans M. **Lang Speech** 18(2):180–93, Apr–Jun 75

A study of infantile hemiplegia with reference to shift of cerebral speech centre. Srinivasan K. **Neurol India** 23(3):140–2, Sep 75

Analytic processing elicits right ear superiority in monaurally presented speech. Bever TG, et al. **Neuropsychologia** 14(2):175–81, 1976

Further studies on the effects of infant feeding on speech quality. Broad FE. **NZ Med J** 82(553):373–6, 10 Dec 75

Short-term memory for intonation. Faust-Adams AS. **Percept Mot Skills** 40(2):435–8, Apr 75

Monaural ear differences for same-different reaction times to speech with prior knowledge of ear stimulated. Morais J. **Percept Mot Skills** 41(3):829–30, Dec 75

Effect of threat of shock for being disfluent of fluency of normal speakers. Silverman FH, et al. **Percept Mot Skills** 41(2):353–4, Oct 75

Perception of coarticulated lip rounding. Benguerel AP, et al. **Phonetica** 33(2):113–26, 1976

Experimental approach to the study of vowel perception in German. Wängler HH, et al. **Phonetica** 32(3):180–99, 1975

A technique of investigation of the function of the palatopharyngeal isthmus in speech. Gibson MJ, et al. **Proc R Soc Med** 69(1):30, Jan 76

Auditory and linguistic processes in speech perception: inferences from six fusions in dichotic listening. Cutting JE. **Psychol Rev** 83(2):114–40, Mar 76 (95 ref.)

Children's understanding of their own phonological forms. Dodd B. **Q J Exp Psychol** 27(2):165–72, May 75

[Transcortical aphasia and echolalia; problems of speech initiative] Környey E. **Rev Neurol (Paris)** 131(5):347–63, May 75 (Eng. Abstr.)

Speech perception by the chinchilla: voiced-voiceless distinction in alveolar plosive consonants. Kuhl PK, et al. **Science** 190(4209):69–72, 3 Oct 75

Effects of sensorineural loss on hearing speech in noise. Bilger RC, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(3 pt 1):363–5, May–Jun 76

[Determinism of a pneumophonic relationship in functional dysphonia] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):451–65, 1975 **(Fre)**

[Functional radiologic study of the soft palate] Falappa pg, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:442–4, 1975 **(Fre)**

[Statistical study of laryngeal frequency. Application to the analysis and synthesis of prosodic features of French] Boë LJ, et al. **Phonetica** 32(1):1–23, 1975 (Eng. Abstr.) **(Fre)**

[Speech behavior of schizophrenics. Assay of an experimental point of departure (author's transl)] Straube E, et al. **Arch Psychiatr Nervenkr** 221(1):67–85, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Preparation of thin metal plates for registration of palatograms] Müller K, et al. **Folia Phoniatr (Basel)** 27(4):274–7, 1975 (Eng. Abstr.) **(Ger)**

[Determination and clinical assessment of the condition of the average individual speaking voice. Experimental study] Schultz-Coulon HJ. **Folia Phoniatr (Basel)** 27(5):375–86, 1975 (Eng. Abstr.) **(Ger)**

[Fundamental frequency analysis – a contribution to the objective examination of the speaking and singing voice (author's transl)] Schultz-Coulon HJ. **HNO** 23(7):218–25, Jul 75 (Eng. Abstr.) **(Ger)**

[Respiratory, voice and speech behavior in 4-year-olds] pp. 454–6. Spiecker-Henke M.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Speech barriers. A phonolinguistic contribution to physician-patient discourse] pp. 511–7. Weithase I.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Dichotic hearing test in 750 German school-children (author's transl)] Chüden HG, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):747–55, Sep 75 (Eng. Abstr.) **(Ger)**

[The significance of speaking for the transfer of bacteria, and of the tuberculin skin test for the diagnosis of tuberculosis (author's transl)] Spiess H. **Monatsschr Kinderheilkd** 123(6):495–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Neutralization of English stress differences in the intonation contour] Huss V. **Phonetica** 32(4):278–91, 1975 (Eng. Abstr.) **(Ger)**

[Voice and speech—their relationship to the orofacial system and their importance for certain groups of occupations] Heidelbach JG. **Zahn Mund Kieferheilkd** 63(4):356–63, 1975 **(Ger)**

[Articulatory motor function and its variability (author's transl)] Eguchi S. **J Otolaryngol Jpn** 78(4):323–32, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[Clinical observations on patients with immediate dental prostheses, with reference to the resting position of the mandible and the minimal space for speaking] Rîndaşu I, et al. **Rev Chir [Stomatol]** 22(3):201–2, Jul–Sep 75 **(Rum)**

[Speech audiometry as an indicator of the effectiveness of rehabilitation of preschool children with hearing disorders] Liakh GS, et al. **Vestn Otorinolaringol** (3):36–40, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Effect of auditory fatigue on speech perception in conditions of intensive low-frequency noise] Antonov AG, et al. **Voen Med Zh** (6):56–7, Jun 75 **(Rus)**

['Speech masking of hearing', one of the methods for occupational ENT selection and expertise] Vasil'ev AI, et al. **Voen Med Zh** (8):67–8, Aug 75 **(Rus)**

[Selective sensitivity of hearing to amplitude modulation of speech in man] Morozov VP, et al. **Zh Evol Biokhim Fiziol** 11(5):468–73, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Perception of elementary speech structure by schizophrenic patients] Kritskaia VP, et al. **Zh Nevropatol Psikhiatr** 75(11):1677–80, 1975 (Eng. Abstr.) **(Rus)**

[Lee and Lombard effects in determining the auditory selfcontrol of speech in children with hearing disorders] Belov IM, et al. **Zh Ushn Nos Gorl Bolezn** (5):31–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Organization of the spatial-temporal relationships of cerebral electrical processes in children during exposure to verbel commands] Khrizman TP. **Zh Vyssh Nerv Deiat** 25(4):690–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[A quantitative test for the intelligibility of speech] Perelló J. **Acta Otorinolaryngol Iber Am** 24(5):88–9, Sep–Oct 73 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Handedness and the cerebral representation of speech. Annett M. **Ann Hum Biol** 3(4):317–28, Jul 76

On the neural organization of language: thalamic and cortical relationships. Brown JW. **Brain Lang** 2(1):18–30, Jan 75 (34 ref.)

Speech lateralization in families: a preliminary study using dichotic listening. Bryden MP. **Brain Lang** 2(2):201–11, Apr 75

Language and the thalamus: object naming and recall during and after thalamic stimulation. Ojemann GA. **Brain Lang** 2(1):101–20, Jan 75

Psychometric studies of verbal functions following thalamic lesions in humans. Riklan M, et al. **Brain Lang** 2(1):45–64, Jan 75

Comparative neurology of the temporal lobe in primates including man with reference to speech. Sanides F. **Brain Lang** 2(4):396–419, Oct 75

The effects on speech and language of stereotactical stimulation in thalamus and corpus callosum. Schaltenbrand G. **Brain Lang** 2(1):70–7, Jan 75

A continuum of lateralization for speech perception? Shankweiler D, et al. **Brain Lang** 2(2):212–25, Apr 75

Studies of hemispheric specialization for speech production. Sussman HM, et al. **Brain Lang** 2(2):131–51, Apr 75

Functional differences between right- and left-cerebral hemispheres detected by the key-tapping method. Tsunoda T. **Brain Lang** 2(2):152–70, Apr 75

The question of thalamic participation in speech mechanisms. Van Buren JM. **Brain Lang** 2(1):31–44, Jan 75

Hand preference and the laterality of cerebral speech. Annett M. **Cortex** 11(4):305–28, Dec 75

Proceedings: Speech muscle activity during dreaming and verbal hallucination. Shimizu A. **Electroencephalogr Clin Neurophysiol** 39(5):544, Nov 75

A study of the electromyographic activity of the muscle orbicularis oris. Kelman AW, et al. **Folia Phoniatr (Basel)** 27(3):177–89, 1975

The vibratory mode of the vocal folds in the excised larynx. Matsushita H. **Folia Phoniatr (Basel)** 27(1):7–18, 1975

Glottal conditions in articulation of Japanese voiceless consonants. pp. 409–14. Sawashima M, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Ultrasonic registration of the fundamental frequency of a voice during normal speech. Holmer NG, et al. **J Acoust Soc Am** 58(5):1073–7, Nov 75

Investigation of laryngeal control in speech by use of thyrometer. Kakita Y, et al. **J Acoust Soc Am** 59(3):669–74, Mar 76

Middle ear muscle activity during speech in stapedectomized and laryngectomized subjects. Olsen CC, et al. **J Am Audiol Soc** 1(5):215–20, Mar–Apr 76

Age-related decrement in hearing for speech. Sampling and longitudinal studies. Bergman M, et al. **J Gerontol** 31(5):533–8, Sep 76

Dynamic palatometry. Fletcher SG, et al. **J Speech Hear Res** 18(4):812–9, Dec 75

Lingual-palatal pressure measurement and analysis techniques. Leeper HA Jr, et al. **J Speech Hear Res** 18(3):588–93, Sep 75

Cerebral lateralization of speech: the effects of age, sex, race, and socioeconomic class. Borowy T, et al. **Neuropsychologia** 14(3):363–70, 1976

Methodological problems in the investigation of cerebral potentials preceding speech: determining the onset and suppressing artefacts caused by speech. Grözinger B, et al. **Neuropsychologia** 13(3):263–70, Sep 75

Intrahemispheric interaction between speaking and sequential manual activity. Lomas J, et al. **Neuropsychologia** 14(1):23–33, 1976

Unilateral control of bilaterally symmetrical movement as factor in lateralization of speech. Peters M. **Percept Mot Skills** 42(3):841–2, Jun 76

Velopharyngeal opening in the formation of voiced stops in Sindhi. Nihalani P. **Phonetica** 32(2):89–102, 1975 (Eng. Abstr.)

Tongue-lip pressures during speech of Australian aborigines. Proffit WR, et al. **Phonetica** 32(3):200–20, 1975

Variation in lingual coarticulation at certain juncture boundaries. Su LS, et al. **Phonetica** 32(4):254–63, 1975

Letter: Electrophysiological correlates of meaning: vocalization artifact. Galbraith GC, et al. **Science** 190(4211):292–4, 17 Oct 75

[Oro-facial behavior] Yardin M. **Rev Odontostomatol (Paris)** 5(1):37–41, Jan–Feb 76 **(Fre)**

[Specific duration and specific tongue height of vowels] Neweklowsky G. **Phonetica** 32(1):38–60, 1975 (Eng. Abstr.) **(Ger)**

SPEECH DISORDERS

see related
DEAF-MUTISM

Auditory discrimination and substitutions concerning the phonemes /s/ /ʃ/ /r/ /rr/ /d/ in the speech disorders of dyslalic children. Grünberg CS, et al. **Acta Neurol Lat Am** 20(1–4):90–5, 1974 (Eng. Abstr.)

The phonological analysis of articulation disorders. Grunwell P. **Br J Disord Commun** 10(1):31–42, Apr 75

Follow-up at 11 years of children who had marked speech defects at 7 years. Sheridan MD, et al.

Child Care Health Dev 1(3):157–66, May–Jun 75

Phonetic contexts: their effects on perceived intelligibility in clef–palate speakers. Moore WH, et al. **Folia Phoniatr (Basel)** 27(06):410–22, 1975

Phonemic analysis of perseveration. A case report. pp. 240–3. Jauhiainen T.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Fact–finding of voice and speech disorders in schoolchildren in Yokosuka City, Japan. Investigation of the municipal elementary and junior high schools (over 30,000 children). pp. 473–7. Sugawara A.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Clinical research in speech pathology. Anthony JK, et al. **J Laryngol Otol** 89(12):1169–84, Dec 75

Paroxysmal ataxic dysarthria. Netsell R, et al. **J Speech Hear Disord** 41(1):93–109, Feb 76

Self and mutual speech comprehension by deviant– and normal–speaking children. Panagos JM, et al. **J Speech Hear Res** 18(4):653–62, Dec 75

[Functional analogies between anomia and anarthria] pp. 496–501. Brucet JV, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Fre)

[Orthophony test. Spatial and temporal orientation] Dubois G. **Rev Laryngol Otol Rhinol (Bord)** 96(7–8):361–72, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Applied phoniatry. III. Juvenile and hormonal dysphonias (author's transl)] Pascher W, et al. **HNO** 23(12):383–91, Dec 75 (Eng. Abstr.) **(Ger)**

[Letter: Reply to the criticism by Huber et al. (this J.46, 390–394(1975)) of my paper 'A new concept for understanding cerebral speech disorders' (this J.45, 94–97(1974)] von Stockert T. **Nervenarzt** 47(1):55–7, Jan 76 **(Ger)**

[Hypofunctional and hyperfunctional dysphonias and their management] Schlorhaufer VW. **Wien Med Wochenschr** 125(36):502–6, 5 Sep 75 (29 ref.) **(Ger)**

[The LLMM theory] Arnold GE. **Otolaryngol Pol** 29(3):231–5, 1975 (Eng. Abstr.) **(Pol)**

[Dyslalia: A problem of language or a problem of speaking] Barros de Flores A, et al. **Rev Chil Pediatr** 45(6):501–4, 1974 **(Spa)**

CHEMICALLY INDUCED

Letter: Peak–dose dysphonia in parkinsonism. Critchley EM. **Lancet** 1(7958):544, 6 Mar 76

[The pathogenesis of functional dysphonias (author's transl)] Bauer H. **HNO** 23(5):165–7, May 75 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Delayed development of speech and its classification] Sedláčková E. **Cesk Pediatr** 30(6):289–92, Jun 75 (Eng. Abstr.) **(Cze)**

COMPLICATIONS

Speech problems in cerebral palsy children. Kamalashile J. **Lang Speech** 18(2):158–65, Apr–Jun 75

Oral stereognostic ability among tongue thrusters with interdental lisp, tongue thrusters without interdental lisp and normal children. Colletti EA, et al. **Percept Mot Skills** 42(1):259–68, Feb 76

[Tetanic susceptibility in stutterers and chatterers] Laštovka M. **Cesk Otolaryngol** 25(1):36–40, Feb 76 (Eng. Abstr.) **(Cze)**

[Secondary behavioral disorders caused by the absence of or by defective speech development] Parving A. **Ugeskr Laeger** 137(47):2777–9, 17 Nov 75 (Eng. Abstr.) **(Dan)**

[Relation between speech development disorders and stuttering] pp. 21–3. Becker KP.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Objective measurements of airway resistance in recurrent nerve paralysis and hypotonic dysphonia] Schumann K, et al. **Laryngol Rhinol Otol (Stuttg)** 54(12):969–76, Dec 75 (Eng. Abstr.) **(Ger)**

[Speech and perception in acoustic–mnestic aphasia] Tsvetkova LS. **Zh Nevropatol Psikhiatr** 76(3):369–73, 1976 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Objective evaluation of vocal pathology using voice spectrography. Rontal E, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):662–71, Sep–Oct 75

Screening for speech and language disorders: a training program for physicians and allied health professionals. Kulig SG, et al. **ASHA** 17(8):507–11, Aug 75

'Nasalance' vs. listner judgements of nasality. Fletcher SG. **Cleft Palate J** 13:31–44, Jan 76

Dilapidated speech: developmental verbal dyspraxia. Ferry PC, et al. **Dev Med Child Neurol** 17(6):749–56, Dec 75

Sonagraphic and auditory analysis of dysarthria in a case of Steele–Olzewski–Richardson syndrome. Arnott G, et al. **Folia Phoniatr (Basel)** 27(06):443–56, 1975

The diagnostic value of a prevocalization in the speech of athetotic cerebral palsied speakers. pp. 110–5. Farmer A, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

A model for early identification of communication handicaps. pp. 462–5. Spriestersbach BR.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Comprehensive programming for early detection and management of communication disorders. pp. 164–70. Zink GD.
In: Mencher G., ed. Early identification of hearing loss. Basel, Karger, 1976. WV 270 N935e 1974.

The influence of pre–information on the rating of articulation. Wilson WR, et al. **J Commun Disord** 8(1):15–22, Mar 75

Distinctive features in speech pathology: phonology or phonemics? Parker F. **J Speech Hear Disord** 41(1):23–39, Feb 76

A miniature accelerometer for detecting glottal waveforms and nasalization. Stevens KN, et al. **J Speech Hear Res** 18(3):594–9, Sep 75

Localization of speech parameters by brain scan. Karis R, et al. **Neurology** 26(3):226–3, Mar 76

Developmental assessment is a necessity. Bax MC. **Proc R Soc Med** 69(6):387–8, Jun 76

[The standardization of a set of verbal aptitude tests in the 5 to 8 year–old child] Chevrie–Muller C, et al. **Rev Neuropsychiatr Infant** 23(8–9):521–36, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Logopedic diagnosis of speech development disorders] pp. 24–7. Becker R.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Position of and perspectives on practical logopedic work in Hungary: cooperation between psychologists and logopedists] pp. 347–50. Nádor D.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[The value of the token test] Cohen R, et al. **Nervenarzt** 47(6):357–61, Jun 76 **(Ger)**

[Symptomatology of speech disorders in schizophrenia in the light of modern research. II] Rogovin MS. **Zh Nevropatol Psikhiatr** 74(1):141–6, 1974 **(Rus)**

DRUG THERAPY

[Psychopharmacological therapy in children and adolescents in the field of phoniatrics] Rothenberger A. **Folia Phoniatr (Basel)** 27(06):457–71, 1975 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Regressive language in severe head injury. Thomsen IV, et al. **Acta Neurol Scand** 54(3):219–26, Sep 76

Delayed postanoxic encephalopathy. Hardy CA, et al. **Anesthesiology** 43(6):694–5, Dec 75

Role of Passavant's ridge in cleft palate speech. Honjo I, et al. **Arch Otorhinolaryngol (NY)** 211(3):203–8, 15 Jul 75

Palilalia. Boller F, et al. **Br J Disord Commun** 10(2):92–7, Oct 75

Case studies of three 'XXYY' children. Garvey M, et al. **Br J Disord Commun** 10(1):17–30, Apr 75

Speech problems. Stevenson P. **Br Med J** 1(6010):635–7, 13Mar 76

Relation between speech perception and speech production impairment in children with developmental dysphasia. Tallal P, et al. **Brain Lang** 3(2):305–17, Apr 76

Report on the speech intelligibility of a glossectomee: perceptual and acoustic observations. LaRiviere C, et al. **Folia Phoniatr (Basel)** 27(3):201–14, 1975

Bronchus anomalies associated with Sedláčková syndrome. Loós T, et al. **Folia Phoniatr (Basel)** 27(2):128–32, 1975

Compensatory pronunciation of velar consonants after surgery. Ondráčková J. **Folia Phoniatr (Basel)** 27(4):292–7, 1975

Nonlanguage disorders of speech reflect complex neurologic apparatus. Valenstein E. **Geriatrics** 30(9):117–21, Sep 75

Dental arch contraction and overbite as promoting factors in the formation of strident sigmatism. pp. 269–72. Kovács–Vass E, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Speech disorder in early treated phenylketonuria. pp. 389–92. Petersen U.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Hypernasality following tonsil dissection—hysterical aetiology. Gibb AG, et al. **J Laryngol Otol** 89(7):779–781, Jul 75

A comparison of impairments in verbal comprehension, speech, reading, and writing in adult aphasics. Duffy RJ, et al. **J Speech Hear Disord** 41(1):110–9, Feb 76

A comparison of impairments in verbal comprehension, speech, reading, and writing in adult aphasics. Duffy RJ, et al. **J Speech Hear Disord** 41(1):110–9, Feb 76

Paroxysmal ataxic dysarthria. Netsell R, et al. **J Speech Hear Disord** 41(1):93–109, Feb 76

Letter: Comments on 'Speech fluency fluctuations during the menstrual cycle'. Giles H, et al. **J Speech Hear Res** 19(1):187–8, Mar 76

Residual hearing and speech production in deaf children. Smith CR. **J Speech Hear Res** 18(4):795–811, Dec 75

Partial status epilepticus with speech arrest. Vernea JJ. **Proc Aust Assoc Neurol** 11:223–8, 1974

Persistent cerebellar symptoms after infection with Mycoplasma pneumoniae. Mårdh PA, et al. **Scand J Infect Dis** 7(2):157–60, 1975

[Central speech disorders in cerebral complications of dysentery] Langová J, et al. **Cesk Pediatr** 31(5):264–6, May 76 (Eng. Abstr.) **(Cze)**

[Problems of voice disorders in children] Novák A. **Cesk Pediatr** 31(5):250–1, May 76 **(Cze)**

[Intention and action myoclonus. Analysis of changes in voice and speech] Dordain M, et al. **Folia Phoniatr (Basel)** 27(2):93–105, 1975 (Eng. Abstr.) **(Fre)**

[Voice and speech disorders in the Parkinsonian syndrome] Uziel A, et al. **Folia Phoniatr (Basel)** 27(3):166–76, 1975 (Eng. Abstr.) **(Fre)**

[Should the orthodontist be concerned with neuropsychology] Assal G. **Schweiz Monatsschr Zahnheilkd** 86(3):342–6, Mar 76 **(Fre)**

[Effect of orthodontic maxillary extension plate on speech rate and articulation] Müller G, et al. **Folia Phoniatr (Basel)** 27(4):263–73, 1975 (Eng. Abstr.) **(Ger)**

[Language of the other] von Ferber L. **Fortschr Med** 93(34):1708–11, 4 Dec 75 **(Ger)**

[Phoinatric and audiological aspects of autism (author's transl)] Böhme G. **HNO** 23(11):351–2, Nov 75 (Eng. Abstr.) **(Ger)**

[Phoniatric and orthopedic studies of cases with congenital shortened soft palate] pp. 478–82. Szabó S, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Slight cerebral dysfunction and disorders of speech (author's transl)] Böhme G, et al. **Munch Med Wochenschr** 117(47):1883–6, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[Phoniatric disorders syndrome in congenital choanal atresia] Pruszewicz A, et al. **Otolaryngol Pol** 29(5):499–504, 1975 (Eng. Abstr.) **(Pol)**

[Some aspects of speech disorders after adenoidectomy and tonsillectomy in children] Bogdan C, et al. **Rev Chir [Otorinolaringol]** 19(5):353–7, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Unusual cases of psychogenic dysphonia] Bogdan C. **Rev Chir [Otorinolaringol]** 20(1):43–7, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Relation of speech disorders to malocclusion] Krahulec I, et al. **Cesk Otolaryngol** 25(1):49–53, Feb 76 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

Letter: The influence of genetic syndromes upon oral communication skills. Adler S. **J Speech Hear Disord** 41(1):136–7, Feb 76

Letter: The influence of genetic syndromes upon oral communication skills. Adler S. **J Speech Hear Disord** 41(1):136–8, Feb 76

[Speech disorders after skull and brain trauma in a child with deaf–mute parents] Todorow S. **Nervenarzt** 46(5):261–3, May 76 **(Ger)**

OCCURRENCE

Geriatric speech pathology. Bollinger RL. **Gerontologist** 14(3):217–20, Jun 74

Speech disorders in Israel's rural elementary schools. pp. 538–41. Zaliouk D.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

A clinical analysis of speech defects in children. Kalra K, et al. **Indian J Pediatr** 42(330):200–8, Jul 75

Defective articulation in children. Kalra K, et al. **Indian J Pediatr** 42(332):257–63, Sep 75

Prevalence of speech, language, and hearing disorders among Harlem children. Haller RM, et al. **J Natl Med Assoc** 67(4):298–301, 325, Jul 75

[Epidemiological research in child psychiatry. Diagnostic reference of specific developmental disorders (psychomotor, speech and language disorders)] Bettschart W. **Acta Paedopsychiatr [Suppl] (Basel)** (4 Suppl):1–112, 1975 **(Fre)**

[Trend in frequency distribution of voice and speech disorders in a 5–year period] pp. 123–7. Frank F, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Review of 1,172 clinical cases with human communication disorders] de Diaz MR, et al. **Bol Med Hosp Infant Mex** 33(2):427–32, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

The 'Pure Form' of the phonetic disintegration syndrome (pure anarthria); anatomo–clinical report of a historical case. Lecours AR. **Brain Lang** 3(1):88–113, Jan 76

PHYSIOPATHOLOGY

Acoustic reflex characteristics in spastic dysphonia. Hall JW, et al. **Arch Otolaryngol** 102(7):411–5, Jul 76

Simultaneous oral and nasal airflow during stop consonant production by hearing-impaired speakers. Gilbert HR. **Folia Phoniatr (Basel)** 27(06):423–37, 1975

Kinetomyographical features of some articulation disorders. pp. 244–50. Kemény F.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

[Determinism of a pneumophonic relationship in functional dysphonia] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):451–65, 1975 **(Fre)**

[Sonographic analysis of dysarthria in Steele–Olzewski–Richardson syndrome] Arnott G, et al. **Lille Med** 20(7):607–16, Aug–Sep 75 **(Fre)**

[Flow rates and pulmonary volumes in athetosis patients with speech disorders] Jaeger-Denavit C, et al. **Poumon Coeur** 31(3):139–44, 1975 (Eng. Abstr.) **(Fre)**

[Coexistence of speech development disorders in children with other functional disorders of the central nervous system] Traczyńska-Kubin H, et al. **Pediatr Pol** 51(5):515–24, May 76 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

The radiology of speech disorders in childhood. Part 2: radiology in the diagnosis of speech disorders. Pitt M, et al. **Radiography** 41(484):90–104, Apr 75

The radiology of speech disorders in childhood. Part1: disorders and their study. Pitt M, et al. **Radiography** 41(483):53–60, Mar 75

REHABILITATION

Tel–communicology: health–care delivery system for persons with communicative disorders. Vaughn GR. **ASHA** 18(1):13–7, Jan 76

Restoring speech and language skills. Sheridan J. **Geriatrics** 31(5):83–6, May 76

Basic structure in teaching reading and spelling to children with severe speech and language disorders in a special class. pp. 135–42. Greene MC.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Previous contact and choice of mental retardation versus speech and hearing major. Berkowitz AJ, et al. **Ment Retard** 14(1):20–1, Feb 76

Audiometric center offers wide range of services. Buelter HT. **Occup Health Saf** 45(4):60–1, Jul–Aug 76

[Care for children with hearing and speech disorders in the department of education] Simunková V. **Cesk Pediatr** 31(5):252–4, May 76 **(Cze)**

[Indications for speech therapy rehabilitation in the field of dentomaxillofacial abnormalities] Wellens W. **Acta Stomatol Belg** 72(4):597–603, 1975 **(Dut)**

[Self–representation in the speech and social rehabilitation of laryngectomees] pp. 393–5. Plath D.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Various logopedic problems in geriatric rehabilitation] Becker R, et al. **Z Alternsforsch** 30(3):237–40, 1975 **(Ger)**

[Portable rehabilitation microdevice] Ol'khovskiĭ AM. **Zh Ushn Nos Gorl Bolezn** (3):101, May–Jun 75 **(Rus)**

SURGERY

Thyroplasty type 1 (lateral compression) for dysphonia due to vocal cord paralysis or atrophy. Isshiki N, et al. **Acta Otolaryngol (Stockh)** 80(5–6):465–73, Nov–Dec 75

Recurrent laryngeal nerve section for spastic dysphonia. Dedo HH. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):451–9, Jul–Aug 76

A modification of the Kapetansky technique for repair of whistling deformities of the upper lip. Juri J, et al. **Plast Reconstr Surg** 57(1):70–3, Jan 76

THERAPY

Functional veloplasty in bilateral palatal palsy. Misurya VK. **Arch Otolaryngol** 102(7):436–8, Jul 76

Language vulnerability, speech delay and therapeutic intervention. Brown BB. **Br J Disord Commun** 11(1):43–56, Apr 76

A palatal training appliance and a visual aid for use in the treatment of hypernasal speech. A preliminary report. Tudor C, et al. **Br J Disord Commun** 9(2):117–22, Oct 74

Sound reward toys. Raikes AS, et al. **Child Care Health Dev** 2(2):83–9, Mar–Apr 76

The laryngograph and Voiscope in speech therapy. pp. 116–22. Fourcin AJ, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Influence of phonetic environment on articulatory performance. Part II. Clinical applications. pp. 334–9. Griffith J.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The speech improvement system. Taped program for remediation of articulation disorders. pp. 156–8. van Hattum RJ.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Articulation training of two hearing–impaired girls. Bennett CW. **J Appl Behav Anal** 7(3):439–45, Fall 74

The modification of multiple articulation errors based on distinctive feature theory. Costello J, et al. **J Speech Hear Disord** 41(2):199–215, May 76

Therapeutic approaches to apraxia. Dabul B, et al. **J Speech Hear Disord** 41(2):268–76, May 76

The relationship between discrimination and articulation training in children with misarticulations. Williams GC, et al. **J Speech Hear Res** 18(3):401–12, Sep 75

Letter: Speaking aid. Evans CG, et al. **Lancet** 2(7883):788, 28 Sep 74

Feedback modification in instrumental conditioning of articulation. Wolfe VI, et al. **Percept Mot Skills** 40(3):770, Jun 75

The speech therapist and hemiplegia. Leche PM. **Physiotherapy** 60(11):346–9, Nov 74

The role of the speech therapist with cleft palate patients. Renfrew CE. **Proc R Soc Med** 69(1):31–2, Jan 76

[Problems of children with speech, voice and hearing disorders under complex care] Sedláčková E. **Cesk Pediatr** 31(5):247–8, May 76 **(Cze)**

[Phoniatric—logopedic—psychological therapy of delayed speech development in cerebral movement disorders] pp. 57–60. Böhme G, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Logopedic speech therapy with finger puppet play in delayed speech development] pp. 338–43. Muray E.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Psycholinguistics and logopathies. Processes of communication and language disorders] Cosentino F. **Minerva Med** 66(59):2984–5, 12 Sep 75 (Eng. Abstr.) **(Ita)**

[Psycholinguistics and logopathies. New prospects of speech therapy] Cosentino F. **Minerva Med** 66(59):2987–91, 12 Sep 75 (Eng. Abstr.) **(Ita)**

[Speech restoration in orthopedic treatment] Ludilina ZV. **Stomatologiia (Mosk)** 54(5):59–61, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Work of a phoniatrician in an otorhinolaryngological department] Pleshkova ZI. **Zh Ushn Nos Gorl Bolezn** (4):87–9, Jul–Aug 75 **(Rus)**

[Considerations on the treatment of speech disorders in cerebral palsy] Guerrero JM, et al. **An Otorrinolaringol Ibero Am** 2(2):50–4, 1975 (Eng. Abstr.) **(Spa)**

SPEECH, ESOPHAGEAL see under **VOICE PRODUCTION, ALARYNGEAL**

SPEECH READING see **LIP READING**

SPEECH THERAPY

see related
VOICE TRAINING

Modification of oral reading disfluency by a paced reading procedure. II–An experimental evaluation. Haney RR. **Am Correct Ther J** 30(3):75–9, May–Jun 76

Deaf but not mute. Wright J. **Am J Nurs** 76(5):795–9, May 76

Promising prospects: students choosing therapy as a career. Holmstrom EI. **Am J Occup Ther** 29(10):608–14, Nov–Dec 75

Policy development and strategy in the licensure of speech pathologists and audiologists. Nicolais JP. **Am J Occup Ther** 30(1):21–6, Jan 76

Position statement of the American Speech and Hearing Association on learning disabilities. **ASHA** 18(5):282–90, May 76

Decreasing the no–show rate in an urban speech and hearing clinic. Bar A. **ASHA** 17(7):455–6, Jul 75

Presidential report: ASHA: beginning the next fifty years. Boone DR. **ASHA** 18(2):64–5, Feb 76

Clinical service facilities survey. Curlee RF. **ASHA** 17(7):448–54, Jul 75

On rebecoming a person. Dunning DP. **ASHA** 17(9):579–82, Sep 75

The Republic of Singapore's developing speech and hearing program. Ivey SM. **ASHA** 17(10):739–41, Oct 75

Computer billing, service analysis, and financial reporting in a hearing and speech agency. Kamara C, et al. **ASHA** 18(4):229–31, Apr 76

Bilingual/bicultural education and the speech pathologist. Pickering M. **ASHA** 18(5):275–9, May 76

The high cost of accountability. Siegel GM. **ASHA** 17(11):796–7, Nov 75

Services of the speech clinician in schools: progress and prospects. Van Hattum RJ. **ASHA** 18(2):59–63, Feb 76

On professional standards and public accountability. Yantis PA. **ASHA** 17(11):798–9, Nov 75

The objectives of the association: a fiftieth–year perseptive. Presidential address—1975 annual meeting. Yantis PA. **ASHA** 18(1):3–7, Jan 76

Intervention programmes for preschool children with delayed language development: a preliminary report. Cooper J, et al. **Br J Disord Commun** 9(2):81–91, Oct 74

The effect of therapy given in Hebrew on the home language of the bilingual or polyglot adult aphasic in Israel. Fredman M. **Br J Disord Commun** 10(1):61–9, Apr 75

Case studies of three 'XXYY' children. Garvey M, et al. **Br J Disord Commun** 10(1):17–30, Apr 75

A structured approach teaching aphasics basic sentence types. Naeser MA. **Br J Disord Commun** 10(1):70–6, Apr 75

Client impressions of the effectiveness of stuttering therapy. A comparison of two programs. Prins D, et al. **Br J Disord Commun** 9(2):123–31, Oct 74

An investigation into the analysis and terminology of voice quality and its correlation with the assessment reliability of speech therapists. Wynter H. **Br J Disord Commun** 9(2):102–9, Oct 74

Letter: Volunteers and the aftermath of stroke. Edwards M. **Br Med J** 4(5994):460, 22 Nov 75

Correction effect in chorus speaking by stuttering people. pp. 2–6. Adamczyk B, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Variability of phonemic perceptual ability of speech clinicians. pp. 207–12. Irwin RB.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The influence of pre–information on the rating of articulation. Wilson WR, et al. **J Commun Disord** 8(1):15–22, Mar 75

Phonetic interference under varying conditions of phonetic facilitation. Winitz H, et al. **J Commun Disord** 8(1):43–50, Mar 75

Computer–aided speech training for the deaf. Nickerson RS, et al. **J Speech Hear Disord** 41(1):120–32, Feb 76

Letter: Experts and amateurs in stroke therapy. Castro–Caldas A. **Lancet** 2(7947):1260, 20 Dec 75

How 'typical' is a stutterer's stuttering in a clinical environment? Silverman FH. **Percept Mot Skills** 40(2):458, Apr 75

The speech therapist and hemiplegia. Leche PM. **Physiotherapy** 60(11):346–9, Nov 74

Interprofessional conferences as an aid to health care. Altschuler SL. **Public Health Rep** 91(2):164–5, Mar–Apr 76

Listening: a goal of therapy for the autistic child. Dubner HW. **Rehabil Lit** 36(10):306–7, 332, Oct 75

Speech therapy for benign and pre–malignant lesions of the larynx. Prinz M. **Trans Pa Acad Ophthalmol Otolaryngol** 29(1):79–86, Spring 76

[Experiences with rehabilitation in dentofacial orthopedic practice] Reychler A. **Acta Stomatol Belg** 72(4):605–17, 1975 **(Dut)**

[Indications for speech therapy rehabilitation in the field of dentomaxillofacial abnormalities] Wellens W. **Acta Stomatol Belg** 72(4):597–603, 1975 **(Dut)**

[Indications for speech therapy in the field of dentomaxillofacial disorders] Wellens W. **Acta Stomatol Belg** 72(4):597–603, 1975 **(Dut)**

[Contribution of orthophony to the treatment of periodontal diseases. Preliminary communication] Marie M. **Rev Stomatol Chir Maxillofac** 77(3):617–8, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Orthodontics and speech therapy] Brandt E. **Schweiz Monatsschr Zahnheilkd** 86(3):347–70, Mar 76 (Eng. Abstr.) **(Fre)**

[Psychology and phoniatrics] Gundermann H. **Folia Phoniatr (Basel)** 26(6):401–13, 1974 (Eng. Abstr.) **(Ger)**

[Applied phoniatry. III. Juvenile and hormonal dysphonias (author's transl)] Pascher W, et al. **HNO** 23(12):383–91, Dec 75 (Eng. Abstr.) **(Ger)**

[Position of and perspectives on practical logopedic work in Hungary: cooperation between psychologists and logopedists] pp. 347–50. Nádor D.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Joint treatment of patients with clefts by orthodontists and logopedists] Gnoinski W, et al. **Schweiz Monatsschr Zahnheilkd** 86(3):375–86, Mar 76 **(Ger)**

[Speech restoration in orthopedic treatment] Ludilina ZV. **Stomatologiia (Mosk)** 54(5):59–61, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Work of a phoniatrician in an otorhinolaryngological department] Pleshkova ZI. **Zh Ushn Nos Gorl Bolezn** (4):87–9, Jul–Aug 75 **(Rus)**

[Current European phoniatrics and the necessity of accelerated development of phoniatrics in our circles] Majdevac Z, et al. **Med Pregl** 28(3–4):159–62, 1975 (Eng. Abstr.) **(Ser)**

[Cooperation of the phoniatrist and maxillary orthopedist in the surgical management of dysgnathia] Krahulec I, et al. **Cesk Otolaryngol** 25(2):97–100, Apr 76 (Eng. Abstr.) **(Slo)**

EDUCATION

Content and sequence analysis of the supervisory session. Culatta R, et al. **ASHA** 18(1):8–12, Jan 76

Training of foreign students in speech pathology–audiology in U.S. colleges and universities. Curlee RF, et al. **ASHA** 17(10):737–9, Oct 75

Computer processing of graduate students' clinical clock hours, as needed for ASHA certification. Harlan NT, et al. **ASHA** 18(5):295–8, May 76

A profile of clinical supervisors in college and university speech and hearing training programs. Schubert GW, et al. **ASHA** 17(7):440–7, Jul 75

Training of aphasiologists. pp. 45–66. Leutenegger RR.
In: Brookshire RH, ed. Clinical aphasiology. Minneapolis, BRK Publishers, 1975. W3 C5698 1975c.

Letter: Comment on Pannbacker's 'Diagnostic Report Writing'. Reed V. **J Speech Hear Disord** 41(1):135–6, Feb 76

Letter: Comment on Pannbacker's 'Diagnostic Report Writing'. Reed V. **J Speech Hear Disord** 41(1):135–6, Feb 76

Editorial: Behavioural science and paramedical education. **Med J Aust** 2(19):734, 8 Nov 75

HISTORY

Dr Alexander Graham Bell—audiologist and speech therapist. Chakravorty RC. **Arch Otolaryngol** 102(9):574–5, SEP 76

ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(8):499, Aug 75

ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(9):571–2, Sep 75

ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(10):727–8, Oct 75

ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(11):795, Nov 75

ASHA in retrospect—fiftieth anniversary reflections. Paden EP. **ASHA** 17(12):831, Dec 75

ASHA in retrospect. Fiftieth anniversary reflections. Paden EP. **ASHA** 17(7):439, Jul 75

[The Gutzmanns] pp. 542–8. Zehmisch H.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

INSTRUMENTATION

Automatic triggering of auditory feedback masking in stammering and cluttering. Dewar A, et al.
Br J Disord Commun 11(1):19–26, Apr 76

A palatal training appliance and a visual aid for use in the treatment of hypernasal speech. A preliminary report. Tudor C, et al. **Br J Disord Commun** 9(2):117–22, Oct 74

Sound reward toys. Raikes AS, et al.
Child Care Health Dev 2(2):83–9, Mar–Apr 76

Electronic spelling aid for use in speech therapy. Gibbs AT, et al. **Med Biol Eng** 13(5):742–5, Sep 75

[A new improved speech-aid for laryngektomized patients (author's transl)] Brusis T, et al.
Laryngol Rhinol Otol (Stuttg) 55(2):163–5, Feb 76 (Eng. Abstr.) **(Ger)**

MANPOWER

Characteristics of ASHA members employed full time during 1973. Curlee RF. **ASHA** 18(2):68–76, Feb 76

Professional leadership: women in speech pathology and audiology. Melrose BM. **ASHA** 17(9):573–8, Sep 75

The language, speech and hearing clinician as a member of the special education team in a public school setting. pp. 70–5. Cann AG.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

METHODS

Mime in language therapy and clinician training. Balick S, et al. **Arch Phys Med Rehabil** 57(1):35–8, Jan 76

Therapeutic and diagnostic applications of delayed auditory feedback. McCormick B. **Br J Disord Commun** 10(2):98–110, Oct 75

Restoring speech and language skills. Sheridan J.
Geriatrics 31(5):83–6, May 76

The consistency of predictors of prose materials. pp. 47–56. Black JW, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Recent research on oral sensation and perception related to speech facilitation. pp. 76–9. Clark RM.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The laryngograph and Voiscope in speech therapy. pp. 116–22. Fourcin AJ, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Behavioral assessment procedures for stutterers. pp. 234–9. Janssen P, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The speech improvement system. Taped program for remediation of articulation disorders. pp. 156–8. van Hattum RJ.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Application of speech facilitation technique. pp. 491–5. Vaughn GR.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Effects of stimulus repetition on the naming behavior of an aphasic adult: a clinical report. Helmick JW, et al.
J Commun Disord 8(1):23–9, Mar 75

The counterpart system in speech therapy in Singapore. McCafferty MA. **J Singapore Paediatr Soc** 17(2):84–95, Oct 75

On: melodic intonation therapy for aphasia by R. W. Sparks and A. L. Holland. Berlin CI. **J Speech Hear Disord** 41(3):298–300, AUG 76

Generalization and articulation instruction. Costello J, et al.
J Speech Hear Disord 41(3):359–73, AUG 76

The use of auditory masking to estimate automatization of correct articulatory production. Manning WH, et al.
J Speech Hear Disord 41(2):143–9, May 76

Computer-aided speech training for the deaf. Nickerson RS, et al. **J Speech Hear Disord** 41(1):120–32, Feb 76

Method: melodic intonation therapy for aphasia. Sparks RW, et al. **J Speech Hear Disord** 41(3):287–97, AUG 76

Tutorial: application of regression analysis concepts to retrospective research in speech pathology. Young MA. **J Speech Hear Res** 19(1):5–18, Mar 76

The effectiveness of speech training techniques based on operant conditioning: a comparison of two methods. Nelson RO, et al. **Ment Retard** 14(3):34–8, Jun 76

The role of the speech therapist with cleft palate patients. Renfrew CE. **Proc R Soc Med** 69(1):31–2, Jan 76

Teaching language to nonverbal children—with emphasis on problems of generalization. Harris SL. **Psychol Bull** 82(4):565–80, Jul 75 (125 ref.)

[Phoniatric—logopedic—psychological therapy of delayed speech development in cerebral movement disorders] pp. 57–60. Böhme G, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Therapy of stuttering in the preschooler via group training of the mother: indirect educational effect] pp. 325–9. Mérei V.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Logopedic speech therapy with finger puppet play in delayed speech development] pp. 338–43. Muray E.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Psycholinguistics and logopathies. New prospects of speech therapy] Cosentino F. **Minerva Med** 66(59):2987–91, 12 Sep 75 (Eng. Abstr.) **(Ita)**

[Considerations on the treatment of speech disorders in cerebral palsy] Guerrero JM, et al.
An Otorrinolaringol Ibero Am 2(2):50–4, 1975 (Eng. Abstr.) **(Spa)**

SPERM AGGLUTINATION

Disc-electrophoretic protein pattern of cervical mucus in cases of humoral sensitization against spermatozoa. Mettler L, et al. **Acta Obstet Gynecol Scand** 55(1):35–8, 1976

Physiological parameters of the sea urchin acrosome reaction. Gregg KW, et al. **Biol Reprod** 14(4):405–11, May 76

A reevaluation of the fertilizin hypothesis of sperm agglutination and the description of a novel form of sperm adhesion. Collins F. **Dev Biol** 49(2):381–94, Apr 76

Comparison of the tray agglutination technique with the gelatin agglutination technique for the detection of spermagglutinating activity in human sera. Hellema HW, et al. **Fertil Steril** 27(3):284–92, Mar 76

Spermagglutinin titers and their relationship to fertility in isoimmunized female rabbits. Kummerfeld HL, et al.
Fertil Steril 27(3):293–8, Mar 76

ANTISPERMATOZOA ANTIBODIES.
Spermagglutinating antibodies in the blood serum of non infertile men. Dondero F, et al.
Folia Endocrinol (Roma) 27(6pt2):644–9, Dec 74

Sterilization, antibodies, and autoimmunity. pp. 86–95. Shulman S.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973. (34 ref.)

Difficulty of obtaining reproducibility in the Franklin and Dukes test for the detection of sperm-agglutinating antibodies in human sera. Mettler L, et al.
J Reprod Fertil 44(2):217–21, Aug 75

Serum-induced head-to-head agglutination of bovine spermatozoa. Senger PL, et al. **J Reprod Fertil** 47(2):215–9, Jul 76

Solubilization of human spermatozoa and antigen isolation responsable for agglutination. Mettler L, et al.
Res Exp Med (Berl) 165(2):169–74, 14 Jul 75

[Sperm agglutination, sperm immobilization and sperm immunofluorescence test in married couples with unexplained infertility (author's transl)] Heite HJ, et al.
Dermatologica 152(1):8–15, 1976 **(Ger)**

[Findings and significance of spermatozoa agglomeration in the semen] Hofmann N, et al. **Hautarzt** 27(3):106–10, Mar 76 (Eng. Abstr.) **(Ger)**

[Influence of multiple insemination on the titer of spermatoagglutinins in the blood serum of cows] Chanturidze RD. **Veterinariia** (8):71–2, Aug 75 **(Rus)**

[Antigenic properties of the yolk of chicken eggs in the spermagglutination test] Iablonskiĭ VA, et al.
Veterinariia (12):86–8, Dec 75 **(Rus)**

SPERM CAPACITATION

Modifications of the in vitro spermatozoal penetration test by means of the sperm penetration meter. Kremer J, et al. **Acta Eur Fertil** 6(4):377–80, Dec 75

Capacitation of hamster spermatozoa with adrenal gland extracts. Bavister BD, et al. **Biol Reprod** 14(2):219–21, Mar 76

Glucose requirement for mouse sperm capacitation in vitro. Hoppe PC. **Biol Reprod** 15(1):39–45, Aug 76

A scanning electron microscopic study of rabbit spermatozoa in the female reproductive tract following coitus. Motta P, et al. **Cell Tissue Res** 163(1):29–44, 17 Nov 75

Removal of sperm-bound seminal plasma components as a prerequisite to induction of the rabbit acrosome reaction. Oliphant G. **Fertil Steril** 27(1):28–38, Jan 76

Penetration of the zona pellucida of nonliving human oocytes by human spermatozoa in vitro. Overstreet JW, et al.
Fertil Steril 27(7):815–31, Jul 76

Capacitation, ovum maturation, fertilization and preimplantation development in the oviduct. Mastroianni L Jr, et al. **Gynecol Invest** 6(3–4):226–33, 1975 (47 ref.)

Preliminaries to the acrosome reaction in mammalian spermatozoa. pp. 83–7. Austin CR, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Capacitation of sperm: as a function of the oviduct. pp. 161–91. Hamner CE, et al.
In: Johnson AD, Foley CW, ed. The oviduct and its functions. New York, Academic Press, 1974. SF 871 S989o 1972. (122 ref.)

Morphological aspects of capacitation. pp. 126–38. Bernstein MH, et al.
In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b. (28 ref.)

Sperm capacitation: methodology, hormonal control and the search for a mechanism. pp. 54–125. Soupart P.
In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b. (122 ref.)

Biochemistry of capacitation of spermatozoa. pp. 19–53. Williams WL.
In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b. (62 ref.)

Components of capacitation. pp. 247–56. Austin CR, et al.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

The biochemistry of mammalian capacitation. pp. 49–65. Zaneveld LJ.
In: Thibault C, ed. La fécondation. Paris, Masson, 1975. WQ 205 F291 1975.

Possible effects of the periodic abstinence method. pp. 96–108. Guerrero R.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

A comparison of in-vitro fertilization of rabbit eggs using spermatozoa recovered from the uterus or vagina. Dandekar P, et al. **J Reprod Fertil** 46(1):77–81, Jan 76

Electron microscope evaluation of rabbit eggs exposed to spermatozoa treated with capacitating agents. Dandekar PV, et al. **J Reprod Fertil** 44(1):143–6, Jul 75

Penetration of hamster and rabbit zona-free eggs by rat and mouse spermatozoa with special reference to sperm capacitation. Hanada A, et al. **J Reprod Fertil** 46(1):239–41, Jan 76

Requirement of capacitation for sperm penetration of zona-free rat eggs. Niwa K, et al. **J Reprod Fertil** 44(2):305–8, Aug 75

DRUG EFFECTS

Effect of pretreatment of rat spermatozoa with high concentrations of NaCl on sperm capacitation and fertilization of eggs in vitro. Niwa K, et al.
Biol Reprod 13(2):187–9, Sep 75

Retardation of guinea pig sperm acrosome reaction by glucose: the possible importance of pyruvate and lactate metabolism in capacitation and the acrosome reaction. Rogers BJ, et al. **Biol Reprod** 13(5):568–75, Dec 75

Acceleration of the acrosome reaction and activation of guinea pigs spermatozoa by detergents and other reagents. Yanagimachi R. **Biol Reprod** 13(5):519–26, Dec 75

Inhibition of capacitation and of the fertilizing capacity of rabbit spermatozoa by blocking membrane sulfhydryl groups. pp. 322–4. Reyes A, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Influence of serum albumin on the fertilizing ability in vitro of rat spermatozoa. Davis BK. **Proc Soc Exp Biol Med** 151(2):240–3, Feb 76

SPERM HEAD see under **SPERMATOZOA**

SPERM IMMOBILIZING AGENTS

PHARMACODYNAMICS

The nitrofurans as sperm immobilising agents: their tissue toxicity and their clinical application. Albert PS, et al. **Br J Urol** 47(4):459–62, Aug 75

SPERM MATURATION

Preliminaries to the acrosome reaction in mammalian spermatozoa. pp. 83–7. Austin CR, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Epididymal physiology and sperm maturation. pp. 62–73. Hamilton DW, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Biochemical aspects of sperm maturation and survival. pp. 89–105. Mann T.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974. (37 ref.)

Epididymal environment and maturation of spermatozoa. pp. 459–78. Prasad MR, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Maturation of spermatozoa in the rabbit epididymis: effect of hypophysectomy and castration. pp. 189–202. Orgebin-Crist MC, et al.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

Participation of vitamin A in the maturation of rabbit spermatozoa. Velázquez A, et al. **Int J Fertil** 20(3):151–5, 1975

DRUG EFFECTS

The effects of testosterone, 5alpha-dihydrotestosterone, 3alpha-androstanediol, and 3beta-androstanediol on the maturation of rabbit epididymal spermatozoa in organ culture. Orgebin-Crist MC, et al. **Cell Tissue Res** 167(4):515–25, 9 Apr 76

Maturation and survival of spermatozoa in the epididymis of pregnenolone treated hypophysectomized rats. Vreeburg JT, et al. **Endocrinology** 99(3):824–30, Sep 76

The effect of metabolites of testosterone on the development of fertilizing ability by spermatozoa in the epididymis of castrated hamsters. Lubicz-Nawrocki CM. **J Exp Zool** 197(1):89–95, Jul 76

Alteration of epididymal sperm transport and maturation in mice by oestrogen and testosterone. Meistrich ML, et al. **Nature** 258(5531):145–7, 13 Nov 75

[Toxicity of nitrazepam] Kawai J. **Psychiatr Neurol Jpn** 76(10):667–75, 25 Oct 74 **(Jpn)**

SPERM MOTILITY

The fractional post-coital test performed in a square capillary tube. Kroeks MV, et al. **Acta Eur Fertil** 6(4):371–5, Dec 75

Sperm penetration through the zona pellucida of immature hamster oocytes. Barros C, et al. **Acta Physiol Lat Am** 24(6):612–5, 1974 (Eng. Abstr.)

The interpretation and significance of the fractional postcoital test. Tredway DR. **Am J Obstet Gynecol** 124(4):352–5, 15 Feb 76

The ultrastructure of a characteristic spermhead-defect in the boar: the SME-defect. Blom E, et al. **Andrologia** 7(3):199–209, 1975

Balanced translocation, impaired sperm motility, and offspring anomaly. Oakley JR, et al. **Arch Dis Child** 51(8):638–40, Aug 76

Rotational and oscillatory components of the tailwave in ram spermatozoa. Denehy MA, et al. **Biol Reprod** 13(3):289–97, Oct 75

The propulsion of nonrotating ram and oyster spermatozoa. Denehy MA. **Biol Reprod** 13(1):17–29, Aug 75

Absence of arms in the axoneme of immobile human spermatozoa. Pedersen H, et al. **Biol Reprod** 12(5):541–4, Jun 75

Variable motility recovery of spermatozoa following freeze preservation. Beck WW, et al. **Fertil Steril** 26(9):863–7, Sep 75

The sperm-cervical mucus contact test: a preliminary report. Kremer J, et al. **Fertil Steril** 27(3):335–40, Mar 76

Motility patterns in sperms with different tail structure. pp. 141–50. Baccetti B, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Some effects of prostatic and seminal vesicle fluids on sperm motility. p. 195. Eliasson R.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Mechanisms of flagellar motility. pp. 127–40. Gibbons IR.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Tubulin and dynein in spermatozoan motility. pp. 161–7. Mohri H, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Mammalian sperm motility—structure in relation to function. pp. 117–26. Phillips DM, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The rat sperm tail after fixation by freeze-substitution. pp. 177–87. Woolley DM.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The structural and cytochemical bases for vertebrate and invertebrate sperm motility. pp. 151–9. Yasuzumi G, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Quantitative estimation of immobilizing antibody of sperm immobilizing antibody in the sera of women with sterility of unknown etiology: the 50% sperm immobilization unit (SI50). pp. 10–5. Isojima S, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Antibodies in the sera of sterile women responsible for sperm immobilization. pp. 16–9. Koyama K, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Mode of action of the copper IUD: effect on endometrial copper and cervical mucus sperm migration. pp. 459–63. Hefnawi F, et al.
In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.

Study of human spermatozoa motility parameters by scattered light. pp. 28–35. Jouannet P, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Relation of phosphatases in human serum to sperm count and motility. Das RP, et al. **Indian J Med Res** 63(9):1323–6, Sep 75

Further studies on the fertility promoting factor from human seminal plasma. Gaur RD, et al. **Int J Fertil** 20(3):133–6, 1975

Effect of thawing rate and post-thaw temperature on motility and acrosomal-maintenance in bovine semen frozen in plastic straws. Senger PL, et al. **J Anim Sci** 42(4):932–6, Apr 76

Adenine nucleotide changes at initiation of bull sperm motility. Cascieri M, et al. **J Biol Chem** 251(3):787–93, 10 Feb 76

Effects of viscosity and ATP concentration on the movement of reactivated sea-urchin sperm flagella. Brokaw CJ. **J Exp Biol** 62(3):701–19, Jun 75

Mechanochemical coupling in flagella. IV. Absence of coupling between metabolism and motility in Chaetopterus spermatozoa. Brokaw CJ, et al. **J Mechanochem Cell Motil** 3(3):201–5, Mar 76

The estimation of the proportion of motile bull spermatozoa in various diluents and a comparison with the proportion eosinophilic. Dott HM. **J Reprod Fertil** 45(1):47–55, Oct 75

Methods of measuring swimming speed of spermatozoa. Katz DF, et al. **J Reprod Fertil** 45(2):263–72, Nov 75

Reduced sperm motility in the isthmus of the rabbit oviduct. Overstreet JW, et al. **Nature** 258(5537):718–9, 25 Dec 75

Studies on whole semen and epididymal contents in a bull with low post-thawing sperm motility. Soosalu O, et al. **Nord Vet Med** 27(10):518–22, Oct 75

The molecular basis of flagellar motility in sea urchin spermatozoa. Gibbons IR. **Soc Gen Physiol Ser** 30:207–32, 1975

[Dependence of sperm motility from the adaptation time] Bregulla HK. **Arch Gynaekol** 219(1–4):36–8, 18 Nov 75 **(Ger)**

[Sperm agglutination, sperm immobilization and sperm immunofluorescence test in married couples with unexplained infertility (author's transl)] Heite HJ, et al. **Dermatologica** 152(1):8–15, 1976 **(Ger)**

[Examination of bulls for breeding and insemination ability in the period from 1965 to 1974 within the jurisdiction of the Hanover Chamber of Agriculture] Flüge A, et al. **Dtsch Tieraerztl Wochenschr** 82(10):391–3, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Registration of movement manifestations of live spermatozoa using microkymography] Castenholz A, et al. **Verh Anat Ges** 68:805, 1974 **(Ger)**

[The effect of pulsed uitrasound on the motility of human spermatozoa] Kucera H, et al. **Wien Med Wochenschr** 126(4):33–6, 23 Jan 76 **(Ger)**

[Habitual abortion and pathology of the seminal fluid] pp. 195–202. Agostini R, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. **(Ita)**

[Light scattering and motility of spermatozoa] Shimizu H, et al. **Jpn J Med Electron** 13(4):207–13, 30 Aug 75 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Caffeine- and kallikrein-induced stimulation of human sperm motility: a comparative study. Schill WB. **Andrologia** 7(3):229–36, 1975

Stimulation of sperm motility by kinins in fresh and 24 hours aged human ejaculates. Schill WB. **Andrologia** 7(2):135–9, 1975

Results of in vitro sperm penetration tests in cervical mucus in the normal cycle and in mucus under the influence of the contraceptive pill. Bregulla K, et al. **Arch Gynaekol** 218(3):227–32, 29 Jul 75

Inhibition of movement and ATP-ase activity of demembranated sea urchin spermatozoa by anti-dynein antiserum. Okuno M, et al. **Biochem Biophys Res Commun** 68(3):901–6, 9 Feb 76

Induction of motility in immature bovine spermatozoa by cyclic AMP phosphodiesterase inhibitors and seminal plasma. Hoskins DD, et al. **Biol Reprod** 13(2):168–76, Sep 75

L-arginine stimulation of human sperm motility in vitro. Keller DW, et al. **Biol Reprod** 13(2):154–7, Sep 75

The inhibition of the motility of human spermatozoa by various pharmacologic agents. Peterson RN, et al. **Biol Reprod** 13(5):552–6, Dec 75

Neurochemical effects on sperm cell motility in Strongylocentrotus purpuratus, the purple sea urchin. Atherton RW. **Comp Biochem Physiol [C]** 50(1):21–6, 1 Jan 75

The effect of steroid hormones on motility and selective migration of X- and Y-bearing human spermatozoa. Beck KJ, et al. **Fertil Steril** 27(4):407–12, Apr 76

Caffeine, theophylline, and human sperm motility. Dougherty KA, et al. **Fertil Steril** 27(5):541–8, May 76

The effect of vaginal lubricants on sperm motility in vitro. Goldenberg RL, et al. **Fertil Steril** 26(9):872–3, Sep 75

Letter: Caffeine, theophylline and human sperm motility. Schoenfeld C, et al. **Fertil Steril** 27(7):875, Jul 76

Control of sperm motility: a neurochemical approach. pp. 169–76. Nelson L.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Effect of delta9-tetrahydrocannabinol (THC) on the kinetic morphology of spermatozoa. pp. 189–93. Shahar A, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Improvement of sperm motility in patients with asthenozoospermia by kallikrein treatment. Schill WB. **Int J Fertil** 20(1):61–3, 1975

Effect of antibacterial agents on the motility of stallion spermatozoa at various storage times, temperatures and dilution ratios. Back DG, et al. **J Anim Sci** 41(1):137–43, Jul 75

Proceedings: Possible mechanisms involved in the reduction in motility of human spermatozoa by copper, zinc and silver. Holland MK, et al. **J Reprod Fertil** 46(2):507–8, Mar 76

The action of D2O on the motility of human spermatozoa. Kanwar KC, et al. **J Reprod Fertil** 46(1):275–6, Jan 76

Reversible inhibition of the motility of human spermatozoa by tetraphenylboron. Peterson RN, et al. **J Reprod Fertil** 47(1):33–8, May 76

Toxic and photodynamic effects of vital staining with cresyl blue on bull spermatozoa. van Duijn C Jr. **Mikroskopie** 31(1–2):14–22, Apr 75

[The cause of inadequate motility of equine semen (author transl)] van der Holst W. **Tijdschr Diergeneeskd** 101(11):613–5, 1 Jun 76 **(Dut)**

[Use of cyproterone acetate for fertility inhibition in the male. Morphologic changes and influences on sperm motility] Koch UJ, et al. **Arch Gynaekol** 219(1–4):581–2, 18 Nov 75 **(Ger)**

[Studies on the in vitro spermicide activity and therapeutic use of a benzalkonium chloride base preparation (Agena)] Chiara G, et al. **Minerva Ginecol** 27(11):895–9, Nov 75 (Eng. Abstr.) **(Ita)**

SPERM-OVUM INTERACTIONS see under **FERTILIZATION**

SPERM TAIL see under **SPERMATOZOA**

SPERM TRANSPORT

[Search for transit difficulties in the epididymis for differential diagnosis of oligospermia] Schoysman R, et al. **Acta Eur Fertil** 7(1):49–62, Mar 76 **(Eng, Fre)**

Effect of intrauterine devices on sperm transport in the human being: preliminary report. Tredway DR, et al. **Am J Obstet Gynecol** 123(7):734–5, 1 Dec 75

Involvement of the cervix in sperm transport failures in the reproductive tract of the ewe. Hawk HW, et al. **Biol Reprod** 13(3):322–8, Oct 75

The control of bovine sperm glycolysis during epididymal transit. Hoskins DD, et al. **Biol Reprod** 12(5):566–72, Jun 75

Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. Hunter RH. **Br Vet J** 131(5):565–73, Sep-Oct 75

Physiological aspects of sperm transport in the domestic pig, Sus scrofa. II. Regulation, survival and fate of cells. Hunter

RH. **Br Vet J** 131(6):681–90, Nov–Dec 75 (48 ref.)
Ultrastructural changes in spermatozoa of the brush-tailed possum, Trichosurus vulpecula (Marsupialia), during epididymal transit. Part I: The flagellum. Harding HR, et al. **Cell Tissue Res** 164(1):121–32, 26 Nov 75
A new method for evaluating cervical penetrability using daily aspirated and stored cervical mucus. Makler A. **Fertil Steril** 27(5):533–40, May 76
Sperm transport to and survival in the human fallopian tube. Ahlgren M. **Gynecol Invest** 6(3–4):206–14, 1975 (32 ref.)
Sperm transport through the mammalian cervix: comparative aspects. pp. 285–304. Blandau RJ.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971. (50 ref.)
The cervix and its secretions in relation to fertility in ruminant. pp. 339–50. Mattner PE.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971.
Sperm migration through the human cervix. pp. 305–27. Moghissi KS.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971. (75 ref.)
The in vitro sperm–cervical mucus testing systems. pp. 153–61. Davajan V, et al.
In: Elstein M et al., ed. Cervical mucus in human reproduction. Copenhagen, Scriptor, 1973. WQ 205 C419 1972.
Migration of sperm in the cervix and uterus of non-human primates. pp. 33–57. Jaszczak S.
In: Elstein M et al., ed. Cervical mucus in human reproduction. Copenhagen, Scriptor, 1973. WQ 205 C419 1972.
Sperm migration through the human cervix. pp. 128–52. Moghissi KS.
In: Elstein M et al., ed. Cervical mucus in human reproduction. Copenhagen, Scriptor, 1973. WQ 205 C419 1972.
Proceedings: General discussion on spermatogenesis and sperm transfer. pp. 125–33.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.
Transport of gametes and survival of the ovum as functions of the oviduct. pp. 193–220. Dukelow WR, et al.
In: Johnson AD, Foley CW, ed. The oviduct and its functions. New York, Academic Press, 1974. SF 871 S989o 1972. (135 ref.)
Mechanisms and problems of sperm transport. pp. 352–63. Freund M.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (53 ref.)
A possible role for oxytocin in sperm transport in the male rabbit. Sharma OP, et al. **J Endocrinol** 68(1):43–7, Jan 76
Sperm transport and distribution in the mare. Parker WG, et al. **J Reprod Fertil [Suppl]** (23):63–6, Oct 75
Spermatogenesis and duration of transit of spermatozoa through the excurrent ducts of stallions. Swierstra EE, et al. **J Reprod Fertil [Suppl]** (23):53–7, Oct 75
Mechanics of spermatic fluid transport in the vas deferens. Guha SK, et al. **Med Biol Eng** 13(4):518–22, Jul 75
[Cervical mucus and sperm transport] Stanislavov R. **Akush Ginekol (Sofiia)** 13(3):216–24, 1974 (40 ref.) **(Bul)**

DRUG EFFECTS

The fertility of deep-frozen ram semen supplemented with PGF 2 alpha. Gustafsson B, et al. **Acta Vet Scand** 16(3):468–70, 1975
Improvement of sperm transport by the administration of estradiol to estrous ewes. Hawk HW, et al. **J Anim Sci** 41(5):1400–6, Nov 75
Alteration of epididymal sperm transport and maturation in mice by oestrogen and testosterone. Meistrich ML, et al. **Nature** 258(5531):145–7, 13 Nov 75

SPERMATIC CORD

Paratesticular sarcomas: review of management. Bissada NK, et al. **J Urol** 116(2):198–200, Aug 76
Smooth muscle tumors of the testicular adnexa. deLuise VP, et al. **J Urol** 115(6):685–8, Jun 76
[A case of liposarcoma of the spermatic cord] Atler J. **Pol Przegl Chir** 48(2 A):297–9, Feb 76 (Eng. Abstr.) **(Pol)**
[Rhabdomyosarcoma of spermatic cord] Wróbel S, et al. **Pol Przegl Chir** 48(2 A):273–5, Feb 76 (Eng. Abstr.) **(Pol)**
[Teratoma of the spermatic cord] De Góes G, et al. **Rev Paul Med** 85(3–4):87–90, Mar–Apr 75 (Eng. Abstr.) **(Por)**
[Huge cyst of the spermatic cord passing into the retroperitoneal space] Pravda VA, et al. **Urol Nefrol (Mosk)** (4):63–4, Jul–Aug 75 **(Rus)**

BLOOD SUPPLY

Obstruction of ureter by abnormal right spermatic vein. Mellin HE, et al. **Urology** 6(4):517–9, Oct 75

SURGERY

Fibrinolysis activation after operation of spermatic cord. Gaszyński W, et al. **Anaesth Resusc Intensive Ther** 3(2):181–5, Apr–Jun 75
[Lipoma of the spermatic cord] Kostić D, et al. **Lijec Vjesn** 97(4):227–8, 1975 (Eng. Abstr.) **(Cro)**

SPERMATIC CORD TORSION

Torsion of the testis and allied conditions. Williamson RC. **Br J Surg** 63(6):465–76, Jun 76
Perinatal torsion of spermatic cord. Visani S, et al. **Urology** 6(3):360–2, Sep 75
[Torsion of the testis] Krarup T. **Ugeskr Laeger** 138(12):729–34, 15 Mar 76 (Eng. Abstr.) **(Dan)**
[Emergency testicular pathology] Canavese F, et al. **Minerva Pediatr** 27(33):1831–7, 27 Oct 75 **(Ita)**
[Letter; Testicular torsion] Guüner OP. **Tidsskr Nor Laegeforen** 96(3):187, 30 Jan 76 **(Nor)**
[Torsion of the testis and spermatic cord in children] Apel' VL, et al. **Vestn Khir** 115(7):116–8, Jul 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Intrauterine torsion of an intra-abdominal testis. Campbell JR, et al. **Pediatrics** 57(2):262–4, Feb 76

CONGENITAL

Bilateral testicular torsion in the newborn. Reid M, et al. **Acta Paediatr Scand** 65(5):647–8, Sep 76
Intrauterine bilateral torsion of the spermatic cord. Atallah MW, et al. **J Urol** 116(1):128–9, Jul 76
[Neonatal torsion of the spermatic cord] Zucchetti F, et al. **Chir Patol Sper** 23(5):344–53, Oct 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

The painful scrotum: torsion vs epididymo-orchitis. Kelalis PP, et al. **Clin Pediatr (Phila)** 15(3):220–1, Mar 76
Testicular torsion in the newborn. Iuchtman M, et al. **Int Surg** 61(2):100–1, Feb 76
Spermatic cord torsion in the newborn. Treadwell TA, et al. **Tex Med** 72(6):43–7, Jun 76
Diagnosis of testicular torsion using Doppler ultrasonic flowmeter. Thompson IM, et al. **Urology** 6(6):706–7, Dec 75
[Testicular torsion or hydatid torsion? A contribution to the acute testis in children and adolescents] Matz M, et al. **Z Aerztl Fortbild (Jena)** 69(14):425–30, 15 Jul 75 (62 ref.) **(Ger)**
[The so-called torsion of Morgagni's appendix] Banchieri FR, et al. **Minerva Urol** 27(4):164–7, Jul–Aug 75 (Eng. Abstr.) **(Ita)**
[Testicular torsion. A difficult diagnosis?] Teigan T, et al. **Tidsskr Nor Laegeforen** 95(33):1916–8, 30 Nov 75 (Eng. Abstr.) **(Nor)**
[Testicular torsion] Rachwal-Sochacka L, et al. **Pol Przegl Chir** 48(2 A):247–51, Feb 76 **(Pol)**

PHYSIOPATHOLOGY

Torsion of the spermatic cord. An Experimental Study. Jhunjhunwala JS, et al. **Invest Urol** 13(4):318–20, Jan 76

SURGERY

Torsion of the appendix testis. Michowitz M, et al. **Int Surg** 60(8):424–5, Aug 75
[Torsion of the testis in adults (author's transl)] Argirović D. **Praxis** 65(1):15–20, 6 Jan 76 (Eng. Abstr.) **(Fre)**

VETERINARY

Intrascrotal testicular torsion in a sexually agressive dog. Zymet CL. **Vet Med Small Anim Clin** 70(11):1330–1, Nov 75
Testicular torsion in the dog: a review of 13 cases. Pearson H, et al. **Vet Rec** 97(11):200–4, 13 Sep 75

SPERMATIDS see under **SPERMATOZOA**

SPERMATOCIDAL AGENTS

Letter: C-film as a contraceptive. Raabe N, et al. **Br Med J** 4(5991):286, 1 Nov 75
[Alternative to hormonal contraception? Significance and reliability of a contraceptive foam ovulum applied vaginally] Brehm H, et al. **Med Welt** 26(36):1610–7, 5 Sep 75 **(Ger)**

SPERMATOCYTES see under **SPERMATOZOA**

SPERMATOGENESIS

Cyclic changes in the pituitary gland in correlation with the testicular cycle in a hill-stream teleost, Schizothorax richardsonii (Gray and Hard). Bisht JS. **Acta Anat (Basel)** 92(3):443–53, 1975
Regualtion of gametogenesis in Helix pomatia (Gastropoda, Pulmonata) in the period of natural awakening after hibernation. Bierbauer J. **Acta Biol Acad Sci Hung** 25(3):147–50, 1974
A study of germ cell morphology and duration of spermatogenic cycle in the baboon, Papio anubis. Chowdhury AK, et al. **Anat Rec** 185(2):155–69, Jun 76
Anchoring device between Sertoli cells and late spermatids in rat seminiferous tubules. Russell L, et al. **Anat Rec** 185(3):259–78, Jul 76
Morphological appraisal of gametogenesis. Spermatogenetic process in mammals with particular reference to man. Bustos-Obregon E, et al. **Andrologia** 7(2):141–63, 1975 (144 ref.)
Alkaline phosphatase activity of epididymal contents in boars with normal or reduced spermatogenesis. Einarsson S, et al. **Andrologia** 8(1):25–8, 1976
Kinetics of histone and protamine synthesis during meiosis and spermiogenesis in the mouse. Geremia R, et al. **Andrologia** 8(2):147–56, 1976
Kinetics of the male gametogenesis. Hilscher W, et al. **Andrologia** 8(2):105–16, 1976
Evidence for the intrinsic activity of ovine FSH on spermatogenesis, ovarian growth, steroidogenesis and ovulation in lizards. Licht P, et al. **Biol Reprod** 12(3):346–50, Apr 75
The effects of selective withdrawal of FSH or LH on spermatogenesis in the immature rat. Madhwa Raj HG, et al. **Biol Reprod** 14(4):489–94, May 76
Spermatogenesis following bilateral orchidopexy in adult life. Britton BJ. **Br J Urol** 47(4):464, Aug 75
The fine structural localization of testicular phosphatases in man: the control testis. Barham SS, et al. **Cell Tissue Res** 166(4):497–510, 27 Feb 76
Spermiogenesis in the teleost Gambusia affinis with particular reference to the role played by microtubules. Grier HJ. **Cell Tissue Res** 165(1):89–102, 29 Dec 75
Sperm development in the teleost Oryzias latipes. Grier HJ. **Cell Tissue Res** 168(4):419–31, 26 May 76
The early development of the tail and the transformation of the shape of the nucleus of the spermatid of the domestic fowl, Gallus gallus. Okamura F, et al. **Cell Tissue Res** 169(3):345–59, 28 Jun 76
Alteration of cytochrome c oxidase activity during spermatogenesis in Carcinus maenas. Pearson PJ, et al. **Cell Tissue Res** 164(3):401–10, 10 Dec 75
Cytogenetics of two species of Euceraphis (Homoptera, Aphididae). Blackman RL. **Chromosoma** 56(4):393–408, 30 Jul 76
The role of the Golgi complex during spermiogenesis. **Curr Top Dev Biol** 10:103–22, 1975 (58 ref.)
Spermiogenesis in the sea urchins Arbacia lixula and Echinometra locunter (Echinodermata). da Cruz-Landim C, et al. **Cytologia (Tokyo)** 41(2):331–44, Apr 76
Developmental expression of an early embryonic antigen common to mouse spermatozoa and cleavage embryos, and to human spermatozoa: its expression during spermatogenesis. Gachelin G, et al. **Dev Biol** 50(2):310–20, Jun 76
Ontogensis of spermatozoa autoantigens in guinea pigs. Radu I, et al. **Differentiation** 3(1–3):107–14, 11 Aug 75
Effect of overpopulation on spermatogenesis in pigeon. De Tapas K, et al. **Endokrinologie** 64(1):13–8, 1974
Vasocystostomy, a new technique of sperm output measurement. Kort WJ, et al. **Eur Surg Res** 7(4–5):297–304, 1975
Changes sperm culei during sperimogensis and epidymal maturation. Meistrich ML, et al. **Exp Cell Res** 99(1):72–8, Apr 76
Frequency of the various stages of the seminiferous epithelium in different strains of male mice. Bianchi M, et al. **Experientia** 32(4):503–4, 15 Apr 76
The molecular weight of aspermatogenic antigen as determined by equilibrium ultracentrifugation. Katsh S, et al. **Fertil Steril** 27(8):971–4, Aug 76
The effects of vasectomy on spermatogenesis in the dog, Canis Familaris: a meiotic analysis. MacDougall MK, et al. **Fertil Steril** 26(8):786–90, Aug 75
The adrenal medulla-testicular relations in a ploceid. Ghosh A, et al. **Folia Biol (Krakow)** 23(1):39–43, 1975
Quantitative evaluation of the spermatogenetic cycle of Suncus murinus sindensis (Anderson) with reference to seasonal changes. Goyal RP, et al. **Folia Biol (Krakow)** 23(1):63–8, 1975
In vitro production of the factors effective in the transfer of experimental autoimmune aspermatogenesis. Pokorná Z, et al. **Folia Biol (Praha)** 21(2):138–43, 1975
Morphogenesis of the mammalian sperm acrosome in new perspective. pp. 199–210. Fawcett DW.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Spermiogenesis and spermatozoa of the Elopomorpha (teleost fish). pp. 211–21. Mattei C, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Experimentally induced nuclear changes during spermateleosis. pp. 385–90. Plöen L.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Development of the neck region and the ring during spermiogenesis of Discoglossus pictus (anuran amphibia). pp. 237–47. Sandoz D.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Ultrastructural observations on spermiogenesis in the fungus gnat, Rhynchosciara sp. pp. 223–36. Shay JW.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Studies of the genetic implications of abnormal spermatoza. pp. 311–5. Bruce WR.

In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975. (11 ref.)

Spermatogonial stem cells and their behavior in the seminiferous epithelium of rats and monkeys. pp. 273–86. Clermont Y, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

A new approach to stem cell research in spermatogenesis. pp. 303–10. Moens PB, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Spermatogonial stem cell renewal in the mouse as revealed by 3H-thymidine labeling and irradiation. pp. 287–302. Oakberg EF, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Gonadotropins in spermatogenesis control. pp. 605–19. Burger HG, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Spermiogenesis in equisetum, with special reference to the ontogeny of the vierergruppe and spline. pp. 249–67. Polette T, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Spermiogenesis in the nine-banded armadillo. pp. 169–88. Weaker FJ.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Proceedings: General discussion on spermatogenesis and sperm transfer. pp. 125–33.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Loose pants and cold scrotal douches: effects on spermatogenesis. pp. 259–62. Hendry WF.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Morphology and classification. pp. 2–12. Schoysman R.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Androgen dependency of spermatogenesis and the physiological significance of steroid metabolism in vitro by the seminiferous tubules. pp 493–532. Lacy D.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972. (50 ref.)

Nucleoprotein synthesis in spermatogenesis. pp. 59–87. Monesi V.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974. (82 ref.)

Gamete production and the fertile period with particular reference to domesticated birds. pp. 225–44. Lake PE.
In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975. (90 ref.)

General discussion. pp. 537–67.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

Mechanism of sperm release. pp. 166–86. Burgos MH, et al.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (25 ref.)

Interrrelations of cell types within the seminiferous epithelium and their implications for control of spermatogenesis. pp. 116–38. Fawcett DW.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (27 ref.)

Synthetic activities during spermatogenesis. pp. 100–9. Monesi V.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (47 ref.)

Hormonal control of mammalian spermatogenesis. pp. 139–50. Steinberger A, et al.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (63 ref.)

Expression of a cell surface antigen common to primitive mouse teratocarcinoma cells and cleavage embryos during embryogenesis and spermatogenesis. pp. 101–7. Babinet C, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

The testicular function efficiency determined by the spermatogenic activity test (SAT) in diabetic and alcoholic patients. pp. 371–6. Kolarov P, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Quantitative study of spermatogenesis in vasectomized mice. Croft BT, et al. **Int J Fertil** 21(1):61–4, 1976

Spermatogenesis in a monogenean, Diclidophora merlangi. Halton DW, et al. **Int J Parasitol** 6(1):43–53, Feb 76

Incorporation of (3H)uridine by the chromatoid body during rat spermatogenesis. Söderström KO, et al. **J Cell Biol** 70(1):239–46, Jul 76

The polymerization of actin. II. How nonfilamentous actin becomes nonrandomly distributed in sperm: evidence for the association of this actin with membranes. Tilney LG. **J Cell Biol** 69(1):51–72, Apr 76

The arrangement of germ cells in the rat seminiferous tubule: an electron-microscope study. Moens PB, et al. **J Cell Sci** 19(3):487–507, Dec 75

Morphology and kinetics of spermatogenesis in Xenopus laevis. Kalt MR. **J Exp Zool** 195(3):393–407, Mar 76

Duration of the cycle of the seminiferous epithelium in the prairie vole (Microtus ochrogaster ochrogaster). Schuler HM, et al. **J Exp Zool** 197(1):1–11, Jul 76

Single-strand nuclease action on heat-denatured spermiogenic chromatin. Hunter JD, et al. **J Histochem Cytochem** 24(8):901–7, Aug 76

Experimental allergic orchitis and aspermatogenesis. VI. Transfer of allergic orchitis with immune cells. Carlo DJ, et al. **J Immunol** 116(3):619–22, Mar 76

A new observation on spermateleosis in ticks. Borut S, et al. **J Parasitol** 62(2):318–20, Apr 76

Proceedings: Spermatogenesis in a passerine hybrid: phagocytosis by Sertoli cells after absence of synaptonemal complexes. Denehy MA. **J Reprod Fertil** 46(2):505–6, Mar 76

Proceedings: Role of the morphogenetic hormones ecdysone and juvenile hormone in insect spermatogenesis. Dumser JB. **J Reprod Fertil** 46(2):500, Mar 76

Duration of spermatogenesis in the vole (Microtus agrestis) and bank vole (Clethrionomys glareolus). Grocock CA, et al. **J Reprod Fertil** 47(1):133–5, May 76

Regulation of seminiferous tubular function by FSH and androgen. Hansson V, et al. **J Reprod Fertil** 44(2):363–75, Aug 75 (45 ref.)

Electron microscopic study of postcytokinetic cell fusion in an autosomal male sterile mutant (ms(2)3R) of Drosophila melanogaster. Laughran LJ, et al. **J Ultrastruct Res** 56(1):21–30, Jul 76

Nuclear shaping during spermiogenesis in the whip scorpion. Phillips DM. **J Ultrastruct Res** 54(3):397–405, Mar 76

Influence of infra-optimal breeding temperature on spermiogenesis of the locust Locusta migratoria. II. Abnormalities in differentiation of the nucleus. Szöllösi A. **J Ultrastruct Res** 54(2):215–23, Feb 76

Influence of infra-optimal breeding temperature on spermiogenesis of the locust Locusta migratoria. I. Abnormalities in differentiation of the cytoplasmic organelles. Szöllösi A. **J Ultrastruct Res** 54(2):202–14, Feb 76

Dynamics of spermiogenesis in Drosophila melanogaster. VI. Significance of 'onion' nebenkern formation. Tokuyasu KT. **J Ultrastruct Res** 53(1):93–112, Oct 75

Plasma follicle stimulating hormone, luteinizing hormone, testosterone, urinary 5-hydroxyindolc acetic acid and 17-ketosteroids were measured in p Urry RL, et al. **J Urol** 116(3):322–3, Sep 76

Proceedings: Mutagenicity of Mysoline in spermatogenesis of mice. Buckel U. **Mutat Res** 29(2):204–5, Aug 75

Testicular function after orchiopexy for unilaterally undescended testis. Lipshultz LI, et al. **N Engl J Med** 295(1):15–8, 1 Jul 76

Role of testosterone in the early stage of spermatocytogenesis in rats. Ogasa A, et al. **Natl Inst Anim Health Q (Tokyo)** 15(2):94–102, Summer 75

Spermatogenic failure of translocation heterozygotes affected by H-2-linked gene in mouse. Forejt J. **Nature** 260(5547):143–5, 11 Mar 76

Chromosome rotation and formation of synapsis. Parvinen M, et al. **Nature** 260(5551):534–5, 8 Apr 76

Acrosomal chromocentre in newt spermiogenesis. Schmid M, et al. **Nature** 257(5529):795–7, 30 Oct 75

Spermiogenesis of Eusepia officinalis (L.), Loligo forbesi (Steenstrup) and Alloteuthis subulata (L.) (Cephalopoda, Decapoda). Maxwell WL. **Proc R Soc Lond [Biol]** 191(1105):527–35, 16 Dec 75

Aspermia and recovery of spermatogenesis in cancer patients following incidental gonadal irradiation during treatment: a progress report. Hahn EW, et al. **Radiology** 119(1):223–5, Apr 76

Follicle-stimulating hormone, the Sertoli cell, and spermatogenesis. Means AR, et al. **Recent Prog Horm Res** 32:477–527, 1976 (86 ref.)

Histone transition during spermiogenesis is absent in segregation distorter males of Drosophila melanogaster. Kettaneh NP, et al. **Science** 193(4257):1020–1, 10Sep 76

Cylindrical organelles associated with microtubules during sperm elongation in a mealybug. Ross J. **Tissue Cell** 7(3):525–34, 1975

Identification, isolation and kinetic characterization of living spermatogenic cells of the rat. Parvinen M. **Verh Anat Ges** 68:191–2, 1974

Multinucleate spermatogenic cells by traumatic haemorrhagic suffusion in lizard testes. Del Conte E. **Virchows Archiv [Cell Pathol]** 18(4):297–305, 11 Sep 75

Comparative cytological studies of mitotic and male meiotic karyotype of Ascaridia dissimilis (Vigueras, 1931) and Ascaridia galli (Schrank, 1788). Mutafova T. **Z Parasitenkd** 48(3–4):239–45, 6 Feb 76

[The spermiograms of diabetic and nondiabetic patients with disturbances of potency (author's transl)] Barták V, et al. **Cas Lek Cesk** 114(24):724–5, 13 Jun 75 (Eng. Abstr.) **(Cze)**

[Influence of spermatogenesis on testicular fluid secretion in adult rats] Laporte P, et al. **C R Acad Sci [D] (Paris)** 281(19):1397–1400, 10 Nov 75 **(Fre)**

[Different types of sexual cycles in male European vipers] Saint-Girons H. **C R Acad Sci [D] (Paris)** 282(10):1017–9, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Activity of nuclear DNA polymerase in spermatozoa of mice and change of activity during spermatogenesis] Chevaillier PH, et al. **Exp Cell Res** 99(2):237–44, May 76 (Eng. Abstr.) **(Fre)**

[Ultrastructural mechanisms of the nuclear-cytoplasmic transfer of substances during spermatogenesis] Danilova LV. **Izv Akad Nauk SSSR [Biol]** (2):281–91, Mar-Apr 76 (99 ref.) (Eng. Abstr.) **(Fre)**

[Ecophysiological aspects of osmoregulation and genital evolution in Mugilidae in brackish water] Boisseau J, et al. **J Physiol (Paris)** 70(5):669–70, Dec 75 **(Fre)**

[An experimental study of the influence of external factors on spermatogenesis and steroidogenesis of Nectophrynoides occidentalis Angel (author's transl)] Gavaud J. **J Physiol (Paris)** 70(5):549–59, Dec 75 (Eng. Abstr.) **(Fre)**

[Spermatogenesis in Acanthocephala. I. The centriolar and flagellar apparatus during spermiogenesis in Illiosentis furcatus var. africana Golvan, 1956 (Paleacanthocephala, Rhadinorhynchidae)] Marchand B, et al. **J Ultrastruct Res** 54(3):347–58, Mar 76 **(Fre)**

[Electron microscope study of spermatogenesis in two cestodes acanthobothrium filicolle benedenii Loennberg, 1889 and Onchobothrium uncinatum (Rud., 1819) (Tetraphyllidea, Onchobothriidae) (author's transl)] Maamouri FM, et al. **Z Parasitenkd** 47(4):269–81, 31 Oct 75 (Eng. Abstr.) **(Fre)**

[Influence of immobilization on spermatogenesis] Meitner ER. **Acta Anat (Basel)** 95(2):300–8, 1976 (Eng. Abstr.) **(Ger)**

[Endocrine and spermatogenic testicular function. 2. Correlations between food protein quality, testosterone level in testes, spermatogenesis and nuclear volume of interstitial cells of Leydig in the adult rat. Tönhardt H, et al. **Arch Exp Veterinaermed** 30(1):121–5, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Effects of nutrition on sperm production in young and stud boars. 2. Nutritional influences on sperm production in young boars] Poppe S, et al. **Arch Tierernaehr** 24(7–8):551–65, Oct 74 (Eng. Abstr.) **(Ger)**

[Effects of nutrition on sperm production in young boars and stud boars. 3. Nutritional influences on sperm production reproductive performance in stud boars] Poppe S, et al. **Arch Tierernaehr** 24(9–10):637–48, Dec 74 (Eng. Abstr.) **(Ger)**

[Electron microscopic study of spermatogenesis in Turbanella cornuta Remane (Gastrotricha)] Teuchert G. **J Ultrastruct Res** 56(1):1–14, Jul 76 (Eng. Abstr.) **(Ger)**

[Spermatological and histological findings in patients with varicocele (author's transl)] Weissbach L, et al. **Urologe [A]** 14(6):277–81, Nov 75 (Eng. Abstr.) **(Ger)**

[Season-related involution of spermatogenesis in the swan] Breucker H. **Verh Anat Ges** 69:733–7, 1975 (Eng. Abstr.) **(Ger)**

[Late spermatological results following unilateral orchidopexy] Chiari R, et al. **Verh Anat Ges** 68:169–74, 1974 (Eng. Abstr.) **(Ger)**

[Kinetics of prespermatogenesis and spermatogenesis] Hilscher W. **Verh Anat Ges** 68:39–62, 1974 (Eng. Abstr.) **(Ger)**

[Facts and problems of spermatogenesis. (An educational tool)] Holstein AF. **Verh Anat Ges** 69:857–62, 1975 **(Ger)**

[Kinetics of spermatogenesis in the Chinese hamster] Müller D, et al. **Verh Anat Ges** 68:93–7, 1974 (Eng. Abstr.) **(Ger)**

[Spermatogenesis in light of evolution] Roosen-Runge EC. **Verh Anat Ges** 68:23–37, 1974 **(Ger)**

[Meiosis during spermatogenesis. Cytogenetic aspects] Schwarzacher HG. **Verh Anat Ges** 68:107–12, 1974 **(Ger)**

[Differentiation of spermatozoa in the marine gastrotricha Turbanella cornuta Remane (order Macrodasyoidea)] Teuchert G. **Verh Anat Ges** 69:743–8, 1975 (Eng. Abstr.) **(Ger)**

[Spermatogenesis–oogenesis: a cyto-morphological comparison] Wartenberg H. **Verh Anat Ges** 68:63–92, 1974 (Eng. Abstr.) **(Ger)**

[Studies on testicular function. Report 5. Electron microscopic studies on the changes of the peritubular wall of the human seminiferous tubules in hypospermatogenesis (author's transl)] Furuya S. **Jpn J Urol** 66(12):809–28, Dec 75 (Eng. Abstr.) **(Jpn)**

[Studies on diurnal fluctuation and variation among days in the relative frequencies of the stages of the cycle of seminiferous epithelium in the mouse (author's transl)] Sung WK. **Jpn J Vet Sci** 38(1):49–57, Feb 76 (Eng. Abstr.) **(Jpn)**

[Role of androgen-binding proteins in the hormonal control of spermatogenesis] Trzeciak W, et al. **Endokrynol Pol** 27(1):3–13, Jan–Feb 76 **(Pol)**

[Prezygotic selection of male gametes in laboratory mice] Baranov VS, et al. **Tsitologiia** 18(5):556–9, 1976 (Eng. Abstr.) **(Rus)**

[Regulation of spermatogenesis] Cheviakoff S. **Rev Chil Obstet Ginecol** 39(1):9–14, 1974 **(Spa)**

[The effect of small doses of antitesticular cytotoxic serum on sperm production in stud bulls] Borodai VP, et al. **Fiziol Zh** 21(4):540–3, Jul–Sep 75 **(Ukr)**

DRUG EFFECTS

Mechanism of action of alpha-chlorhydrin on the testes and caput epididymidis of rat, gerbil (Meriones hurrianae), bat and mouse. Dixit VP, et al. **Acta Anat (Basel)** 95(1):50–7, 1976

[Effects of L-dopa on FSH and LH secretion in men and women] Jasonni VM, et al. **Acta Eur Fertil** 6(1):27–38, Mar 75 **(Eng, Ita)**

The effect of vinblastine sulfate on rat spermatogenesis. Bustos-Obregon E, et al. **Arch Biol (Liege)** 85(3):353–64, 1974

Inhibition of spermatogenesis in gerbil (Meriones hurrianae) hedgehog (Hemiechinus auritus collaris) and mice after methallibure (ICI 33828) treatment. Dixit VP, et al. **Arch Biol (Liege)** 85(3):343–52, 1974

Dominant lethal test in mice with 6-mercaptopurine. Schencking MS, et al. **Arch Toxicol (Berl)** 34(1):71–5, 5 Sep 75

Gamete-release by 1-methyladenine in vitro in the sea cucumber, Leptosynapta inhaerens. Ikegami S, et al. **Biol Bull** 150(3):402–10, Jun 76

Action of testosterone, dihydrotestosterone and 5alpha androstane 3alpha, 17beta diol on the spermatogenesis of immature rats. Chemes HE, et al. **Biol Reprod** 14(3):332–8, Apr 76

Effect of 5alpha reduced androgens on sex accessory organs, initiation and maintenance of spermatogenesis in the rat. Chowdhury AK, et al. **Biol Reprod** 12(5):609–17, Jun 75

Effects of large doses of anabolic steroids. Harkness RA, et al. **Br J Sports Med** 9(2):70–3, Jul 75

The effect of DDT on spermatogenesis of the juvenile rat. Krause W, et al. **Bull Environ Contam Toxicol** 14(2):171–9, Aug 75

Damage to spermatogenesis in juvenile rat treated with DDVP and malathion. Krause W, et al. **Bull Environ Contam Toxicol** 15(4):458–62, Apr 76

Maintenance of spermatogenesis and seminal vesicles in the hypophysectomized catfish, Heteropneustes fossilis (Bloch): effects of ovine and salmon gonadotropin, and testosterone. Nayyar SK, et al. **Can J Zool** 54(2):285–92, Feb 76

Effect of human chorionic gonadotropin on the testicular delta 5-3 beta-hydroxysteriod dehydrogenase and spermatogenesis in hibernating toad (Bufo melanostictus). Patra PB, et al. **Endokrinologie** 67(2):167–71, Jun 76

Effect of cyproheptadine hydrochloride on spermatogenesis. Sarkar SL, et al. **Experientia** 31(11):1367–8, 15 Nov 75

Spermatogenesis in larval Ambystoma tigrinum: positive and negative interactions in FSH and testosterone. Moore FL. **Gen Comp Endocrinol** 26(4):525–33, Aug 75

Antigonadal and progonadal effects of testosterone in male house sparrows. Turek FW, et al. **Gen Comp Endocrinol** 28(4):395–402, Apr 76

Proceedings: General discussion on perspectives in male fertility control. pp. 304–11. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Effects of p-chlorophenylalanine on spermatogenesis in the rat. pp. 55–61. Aumüller G, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Pharmacological actions on the production and physiology of mammalian spermatozoa. pp. 284–93. Eliasson R. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.** (28 ref.)

Action of antiandrogens on testes function and the male genital tract. pp. 268–83. Neumann F, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.** (36 ref.)

Present state of male contraception. pp. 294–303. Schoysman R. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.** (20 ref.)

Effect of androgens and progestins on spermatogenesis. pp. 441–57. Frick J. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Effect of mesterolone on the spermatogenesis of infertile patients. pp. 479–95. Giarola A. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Antispermatogenic effect of bull semen ribonuclease (RNase BS-1). pp. 301–6. Leone E, et al. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Clinical aspects of treatment of male infertility with gonadotropins: testicular response of some men given hCG with and without pergonal. pp. 545–65. Sherins RJ. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Comparative effects of some antispermatogenic chemicals. pp. 257–70. Jackson H. **In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.**

Effect of gonadotropin preparations and of urinary FSH and LH on human spermatogenesis. pp. 151–62. Mancini RE. **In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.** (49 ref.)

Inhibition of spermatogenesis in the pigeon, Columba livia Gmelin, following the administration of methallibure (ICI 33828): a confirmation. Dixit VP, et al. **Indian J Exp Biol** 13(5):490–1, Sep 75

Effect of steroids on the spermatogenesis in the frog Rana hexadactyla lesson. Kasinathan S, et al. **Indian J Exp Biol** 13(5):450–1, Sep 75

The effect of prostaglandins and prostaglandin inhibitors on spermatogenesis. Abbatiello ER, et al. **Int J Fertil** 20(3):177–82, 1975

The effect of prostaglandins F1 alpha and F2 alpha on spermatogenesis. Abbatiello ER, et al. **Int J Fertil** (2):82–8, 1976

Comparative effects of niridazole on spermatogenesis and reproductive capacity in the mouse, rat and Japanese quail. Jones P, et al. **J Reprod Fertil** 46(1):217–24, Jan 76

Relationship between gonadotrophins, spermatogenesis and seminal plasma. Franchimont P, et al. **J Steroid Biochem** 6(6):1037–41, Jun 75

The effect of vinblastine on spermiogenesis in Drosophila melanogaster: evidence for two functional classes of cytoplasmic microtubules. Wilkinson RF, et al. **J Ultrastruct Res** 53(3):354–65, Dec 75

Further studies on the histological cytological and cytogenetic effects of nogalamycin in mammals. Bempong MA, et al. **Mutat Res** 40(3):251–60, Jul 76

Proceedings: Possible reasons for stage sensitivity in the spermatogenesis cycle. Müller D. **Mutat Res** 29(2):203, Aug 75

Normal spermatozoa from androgen-resistant germ cells of chimaeric mice and the role of androgen in spermatogenesis. Lyon MF, et al. **Nature** 258(5536):620–2, 18 Dec 75

Protection of spermatogenesis by alpha2u globulin in rats treated with oestrogen. Roy AK, et al. **Nature** 260(5553):719–21, 22 Apr 76

Vitamin E and sex behavior in mice. Thiessen DD, et al. **Nutr Metab** 18(3):116–9, 1975

Recent advances in the treatment of male sub-fertility. Bye P. **Postgrad Med J** 51(594):215–20, Apr 75

Spermatogenic arrest produced in the adult male rat by 19-norspiroxenone, a potent anti-estrogen. Shapiro BH, et al. **Proc Soc Exp Biol Med** 150(1):226–8, Oct 75

Testicular function after combination chemotherapy for Hodgkin's disease. Asbjornsen G, et al. **Scand J Haematol** 16(1):66–9, Jan 76

Disruption of spermatogenesis in Fasciola hepatica by some anthelmintics. Stammers BM. **Z Parasitenkd** 47(2):145–50, 12 Sep 75

[Cytostatic agents and male fertility] Wildschut J, et al. **Ned Tijdschr Geneeskd** 120(10):412–7, 6 Mar 76 (Eng. Abstr.) **(Dut)**

[The effect of perorally administered DDVP and malathion on spermatogenesis and Leydig cells in the juvenile rat] Krause W, et al. **Andrologia** 7(2):109–16, 1975 (Eng. Abstr.) **(Ger)**

[Studies on the influence of trimethoprim/sulfamethoxazole on the quality of sperm in andrologic patients and a contribution to the pharmacological testing of a drug on the spermatogenetic activity of the testis] Lange D, et al. **Z Hautkr** 49(20):863–78, 15 Oct 74 **(Ger)**

[Histological studies of the changes induced by benzedrine administration in the testis of Mus norvegicus albinus] Continenza MA, et al. **Boll Soc Ital Biol Sper** 52(10):671–7, 30 MAY 76 **(Ita)**

[Effects of treatment with 1 alpha-methyl-5 alpha-androstan-17 beta-ol-3-one on the dynamics of diencephalo-hypophysio-gonadal axis and on spermatogenesis in some forms of male infertility] Franchi F, et al. **Folia Endocrinol (Roma)** 27(5):480–505, Oct 74 (Eng. Abstr.) **(Ita)**

[Androcine (cyproterone acetate)—a drug with antiandrogenic effect] Bohmer T. **Tidsskr Nor Laegeforen** 95(31):1811–2, 10 Nov 75 **(Nor)**

[Effect of short-term administration of LH-HR in male infertility on hormonal and seminal parameters] Fraioli F, et al. **Ginekol Pol** 47(6):655–62, 1976 (Eng. Abstr.) **(Pol)**

[The effect of an extract of the posterior lobe of the mammalian pituitary on spermatogenesis in the stickleback, Casterosteus aculeatus] Rivkin VB, et al. **Zh Evol Biokhim Fiziol** 12(2):197–8, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Hormone regulation of male fertility] Anselmo JG. **Rev Chil Obstet Ginecol** 40(3):113–21, 1975 **(Spa)**

RADIATION EFFECTS

Spermatogenesis alterations during protracted irradiation in man. Popescu HI, et al. **Health Phys** 28(5):567–73, May 75

[Differential radiosensitivity of the germ cells in Drosophila hydei males, lethal rates and the relevance of the species-specific genetic organization (author's transl)] Frei H. **Arch Genet (Zur)** 47(3):136–71, 1974 (Eng. Abstr.) **(Ger)**

[Meiotic disorders as apparent cause of abnormal spermatozoa] Stolla R, et al. **Verh Anat Ges** 68:117–21, 1974 (Eng. Abstr.) **(Ger)**

[Effect of small radiation doses on spermatogenesis] Kondratenko VG, et al. **Radiobiologiia** 15(6):861–5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

SPERMATOGENESIS BLOCKING AGENTS

Recent advances in regulation of male fertility. pp. 274–90. Steinberger E. **In: Moghissi KS, Evans TN, ed. Regulation of human fertility. Detroit, Wayne State Univ Press, 1976. W3 HA292 1973r.**

PHARMACODYNAMICS

Effects of environmental factors and of antispermatogenic compounds on the human testis as reflected in seminal cytology. pp. 123–48. MacLeod J. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Comparative effects of some antispermatogenic chemicals. pp. 257–70. Jackson H. **In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.**

SPERMATOGONIA see under **SPERMATOZOA**

SPERMATOZOA

see related

OLIGOSPERMIA

Cells from the seminal vesicles: contaminants of the V-C-E smear. Meisels A, et al. **Acta Cytol (Baltimore)** 20(3):211–9, May-Jun 76

[Androgenic treatment with depot mesterolone in dyspermia] De Aloysio D, et al. **Acta Eur Fertil** 6(2):125–51, Jun 75 **(Eng, Ita)**

The effect of epididymal and testicular fluids on the fertilising capacity of testicular and epididymal spermatozoa. Cooper TG, et al. **Andrologia** 7(2):85–93, 1975

Increased serum FSH levels correlated with low and high sperm counts in male infertile patients. Sina D, et al. **Andrologia** 7(1):31–7, 1975

The influence of some fractions of egg yolk on the survival of ram spermatozoa at 5 degrees C. Watson PF, et al. **Aust J Biol Sci** 28(2):145–52, Apr 75

Letter: Spermatozoa in the abomasum of aborted bovine foetuses. Jakovljevic D. **Aust Vet J** 51(1):56, Jan 75

On the relation between testes size and sperm reserves in the one-humped camel (camelus dromedarius). Elwisby AB, et al. **Beitr Trop Landwirtsch Veterinaermed** 13(4):391–8, 1975

Isolation of the outer acrosomal membrane from bull sperm. Zahler WL, et al. **Biochim Biophys Acta** 406(4):479–88, 3 Nov 75

The relationship between sperm concentration and fertilization in vitro of mouse eggs. Fraser LR, et al. **Biol Reprod** 13(5):513–8, Dec 75

Suppression of sperm granulomas in vasectomized rats by local heating of the testis. Voglmayr JK. **Biol Reprod** 13(4):453–60, Nov 75

Proceedings: Factors which determine the rate of disappearance of sperm from the ejaculate after vasectomy. Spencer B, et al. **Br J Surg** 63(2):163, Feb 76

Factors determining the rate of disappearance of sperm from the ejaculate after vasectomy. Spencer B, et al. **Br J Surg** 63(6):477–8, Jun 76

The relationship of a specific chromosomal region to the development of the acrosome. Schmid M, et al. **Chromosoma** 56(4):327–47, 30 Jul 76

Separation of mouse spermatogenic cells by sedimentation velocity. A morphological characterization. Romrell LJ, et al. **Dev Biol** 49(1):119–31, Mar 76

Polyspermic fertilization of sea urchin eggs treated with protease inhibitors: localization of sperm receptor sites at the egg surface. Schuel H, et al. **Dev Biol** 49(1):178–84, Mar 76

Spontaneous cell hybridization of somatic cells present in sperm suspensions. Phillips SG, et al. **Exp Cell Res** 98(2):429–43, 15 Mar 76

Freeze preservation of squirrel monkey sperm for use in timed fertilization studies. Denis LT, et al. **Fertil Steril** 27(6):723–9, Jun 76

A method for collecting motile spermatozoa from human semen. Lopata A, et al. **Fertil Steril** 27(6):677–84, Jun 76

The role of the epididymal cells in sperm survival. pp. 359–71. Glover TD, et al. **In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.**

Cost-effectiveness: utilization of a sperm bank in animal breeding colonies. pp. 118–21. Seager SW. **In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.**

Sperm counting and sizing with a coulter counter. pp. 36–41. Brotherton J. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Interactions between spermatozoa and cultured mammalian cells. pp. 425–30. de Harven E, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Sperm storage: as a function of the female reproductive tract. pp. 237–70. Howarth B Jr. **In: Johnson AD, Foley CW, ed. The oviduct and its functions. New York, Academic Press, 1974. SF 871 S989o 1972.** (110 ref.)

Comparison of the mutagenic effect of chemicals and ionizing radiation in the spermatogenic cells of the mouse. pp. 984–92. Cattanach BM.

In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Behavior and functions of the structural elements of the mammalian sperm head in fertilization. pp. 215-30. Yanagimachi R.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (53 ref.)

Effects of intravasal nylon thread on the spermatozoa & reproductive organs in rats. Poddar AK, et al.
Indian J Exp Biol 13(1):1–3, Jan 75

Relation of phosphatases in human serum to sperm count and motility. Das RP, et al. **Indian J Med Res** 63(9):1323–6, Sep 75

Juvenile diabetes and human sperm quality. Barták V, et al. **Int J Fertil** 20(1):30–2, 1975

On round-headed human spermatozoa. Kullander S, et al. **Int J Fertil** 20(1):33–40, 1975

Galvanic separation of X- and Y-bearing human spermatozoa. Shishito S, et al. **Int J Fertil** 20(1):13–6, 1975

Sperm concentration and fertilization rate in Bufo arenarum (Amphibia: Anura). Cabada MO. **J Exp Biol** 62(2):481–6, Apr 75

Experimental allergic aspermatogenic orchitis. III. Isolation of spermatozoal glycoproteins and their role in allergic aspermatogenic orchitis. Hagopian A, et al. **J Immunol** 115(6):1731–43, Dec 75

Some observations of the luminal contents of the proximal vas segment in cases of vasectomy. Pardanani DS, et al. **J Postgrad Med** 21(4):163–7, Oct 75

Proceedings: Metabolic and ultrastructural changes in ejaculated spermatozoa induced by heating the testes of rams. Brown-Woodman PD, et al. **J Reprod Fertil** 46(2):501–2, Mar 76

Preservation of differential staining of spermatozoa by formol citrate. Dott HM, et al. **J Reprod Fertil** 45(1):57–60, Oct 75

New observations on the spermotoxic properties of normal rabbit serum. Hancock RJ. **J Reprod Fertil** 46(2):435–7, Mar 76

Isoelectric focusing of boar spermatozoa. Moore HD, et al. **J Reprod Fertil** 44(2):329–32, Aug 75

Seminal plasma proteins and the reaction of spermatozoa from intact boars and from boars without seminal vesicles to cooling. Moore HD, et al. **J Reprod Fertil** 47(1):39–45, May 76

Proceedings: Comparison of sperm numbers released in the urine and in ejaculates of the brush-tailed possum. Rodger JC, et al. **J Reprod Fertil** 46(2):502–3, Mar 76

Influence of ejaculation frequency of stallions on characteristics of semen and output of spermatozoa. Sullivan JJ, et al. **J Reprod Fertil [Suppl]** (23):29–34, Oct 75

The relationship between dialy sperm production as determined by quantitative testicular histology and daily sperm output in the stallion. Swierstra EE, et al.
J Reprod Fertil [Suppl] (23) Oct 75

Creation and use of a scrotal sperm bank in aplasia of the vas deferens. Vickers MA Jr. **J Urol** 114(2):242–5, Aug 75

Absence of acrosome: an efficient tool in mammalian mutation research. Moutschen J, et al. **Mutat Res** 30(2):267–72, Nov 75

A sterilizing tail stump sperm defect in a Holstein-Friesian bull. Blom E. **Nord Vet Med** 28(6):295–8, Jun 76

The interconversion of machine settings and size determinations between seven models of Coulter counter as illustrated by values for human spermatozoa. Brotherton J. **Phys Med Biol** 20(3):816–24, Sep 75

Cytospectrophotometric investigations on bull spermatozoa preserved by freezing. Dimoftache C.
Rev Roum Morphol Physiol 20(1):67–71, 1974

Livability of albino and normal bull spermatozoa at 5 degrees C in citrate, milk and tris yolk extenders. Dubay ML, et al. **Zentralbl Veterinaermed [A]** 22(8):689–95, Oct 75

[Letter: Significance of Sims-Huhner test for fertility prognosis] van Dop PA. **Ned Tijdschr Geneeskd** 119(28):1127–8, 12 Jul 75 **(Dut)**

[Results of semen separation using a modified electromagnetochemical method (author's transl)] Uwland J, et al. **Tijdschr Diergeneeskd** 100(17):911–4, 1 Sep 75 (Eng. Abstr.) **(Dut)**

[Synthetic medium for gamete survival and maturation and for culture of fertilized eggs] Menezo Y.
C R Acad Sci [D] (Paris) 282(22):1967–70, 14 Jun 76 (Eng. Abstr.) **(Fre)**

[Tetratospermia and chromosome abnormalities] Brun B, et al. **C R Soc Biol (Paris)** 169(6):1596–9, 1975 (Eng. Abstr.) **(Fre)**

[Freezing of normal human sperm] Emperaire JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):215–22, Mar 74 (Eng. Abstr.) **(Fre)**

[Heteroinsemination with frozen human sperm. Preliminary results at the Hôpital Necker] Millet D, et al.
J Gynecol Obstet Biol Reprod (Paris) 3(6):903–11, Sep 74 (Eng. Abstr.) **(Fre)**

[Letter: Relative pH of the cervical mucus and sperm in sterility] Sarocchi M, et al. **Nouv Presse Med** 4(21):1595–6, 24 May 75 **(Fre)**

[Proceedings: Demonstration of spermatozoa ascension in the female genital tract as a routine method in sterility diagnosis] Koch UJ, et al. **Arch Gynaekol** 219(1–4):610, 18 Nov 75 **(Ger)**

[Deep-freezing of rabbit sperm] Rohloff D, et al.
Berl Munch Tieraerztl Wochenschr 89(9):181–3, 1 May 76 (Eng. Abstr.) **(Ger)**

[Correlations between genital tract changes, total sperm count per ejaculate, and organ findings in bulls of the Artificial Insemination Center, Neuchatel. I. Pathological findings in 241 slaughtered bulls (1969–1974)] Kaderli R, et al. **Schweiz Arch Tierheilkd** 117(8):409–24, Aug 75 (Eng. Abstr.) **(Ger)**

[Correlations between genital tract changes, total sperm count per ejaculate, and organ findings in bulls of the Artificial Insemination Center, Neuchatel. II. Statistical studies of sperm count and testicular changes in 159 Simmental bulls] Rossi GL, et al.
Schweiz Arch Tierheilkd 117(8):425–37, Aug 75 (Eng. Abstr.) **(Ger)**

[Differentiation of spermatozoa in the marine gastrotricha Turbanella cornuta Remane (order Macrodasyoidea)] Teuchert G. **Verh Anat Ges** 69:743–8, 1975 (Eng. Abstr.) **(Ger)**

[Habitual abortion and pathology of the seminal fluid] pp. 195–202. Agostini R, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. **(Ita)**

[Habitual abortion studied in the light of our seminological knowledge] pp. 203–12. Nicora G, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. **(Ita)**

[A possible cause of conjugal sterility. Damage of nematospermia by ABO antibodies present in the vagina] Bettocchi S, et al. **Minerva Ginecol** 27(7):545–52, Jul 75 (Eng. Abstr.) **(Ita)**

[Spermolysis as a possible cause of marital sterility] Akunts KB. **Akush Ginekol (Mosk)** (2):63–4, Feb 76 **(Rus)**

[Postimplantation development of rat embryos following application of injurious agents to male gametes] Udalova LD. **Arkh Anat Gistol Embriol** 70(1):46–50, Jan 76 (Eng. Abstr.) **(Rus)**

[An immunofluorescent study of post-segregational gene action in rats] Baskevich MI. **Ontogenez** 5(5):529–32, 1974 (Eng. Abstr.) **(Rus)**

[An immunofluorescent study of post-segregational gene action in rats] Baskevich MI. **Ontogenez** 5(5):529–32, 1974 (Eng. Abstr.) **(Rus)**

ANALYSIS

The fatty acid composition of the major phosphoglycerides of ram and human spermatozoa. Darin-Bennett A, et al. **Andrologia** 8(1):37–45, 1976

Partial characterization of a new basic nuclear protein from rat testis elongated spermatids. Grimes SR Jr, et al.
Biochem Biophys Res Commun 67(1):182–9, 3 Nov 75

Comparative analysis of the nuclear basic proteins in rat, human, guinea pig, mouse and rabbit spermatozoa. Calvin HI. **Biochim Biophys Acta** 434(2):377–89, 15 Jun 76

Partial structural analysis of the basic chromosomal protein of rat spermatozoa. Kistler WS, et al.
Biochim Biophys Acta 427(2):752–7, 14 Apr 76

A comparative study of the glycolipids of human, bird and fish testes and of human sperm. Levine M, et al.
Biochim Biophys Acta 441(1):134–45, 20 Jul 76

The heterogeneity of the protamines from human spermatozoa. Pongsawasdi P, et al.
Biochim Biophys Acta 434(2):462–73, 15 Jun 76

Phospholipids of goat spermatozoa and the seminal plasma. Jain YC, et al. **Biol Reprod** 12(3):393–5, Apr 75

Proacrosin from rabbit epididymal spermatozoa: partial purification and initial biochemical characterization. Meizel S, et al. **Biol Reprod** 13(1):83–93, Aug 75

Amino acid composition of sperm histones in the house cricket Acheta domesticus. Pallotta D, et al.
Can J Biochem 54(1):56–61, Jan 76

Location of glycogen in spermatids and spermatozoa of the shipworm, Bankia australis (Teredinidae, Bivalvia, Mollusca). Popham JD, et al. **Cell Tissue Res** 164(4):519–24, 18 Dec 75

Histone and DNA detection in swollen spermatozoa and somatic cells, by immunofluorescence. Smauel T, et al.
Clin Exp Immunol 24(1):63–71, Apr 76

The ribosomal RNA cistrons in clam gametes. Kidder GM.
Dev Biol 49(1):132–42, Mar 76

Ontogensis of spermatozoa autoantigens in guinea pigs. Radu I, et al. **Differentiation** 3(1–3):107–14, 11 Aug 75

Studies on the role and mode of operation of the very-lysine-rich histones in eukaryote chromatin. The conformation of phi1 histones from marine invertebrate sperm. Puigdoménech P, et al. **Eur J Biochem** 59(1):237–43, 1 Nov 75

Non-histone chromatin proteins from the sea urchin Strongylocentrotus droebachiensis sperm and embryo. Gineitis AA, et al. **Exp Cell Res** 98(2):248–52, 15 Mar 76

Partial amino acid sequence of histone H1 from sperm of the sea urchin, Parechinus angulosus. Strickland WN, et al. **FEBS Lett** 66(2):322–7, 15 Jul 76

The organized distribution of acrosomal proteinase within the acrosomes of rabbit spermatozoa. Faltas S, et al.
Fertil Steril 26(11):1070–4, Nov 75

High deoxyribonucleic acid content of spermatozoa from infertile, oligospermic human males. Frajese G, et al.
Fertil Steril 27(1):14–20, Jan 76

Characterization of the proteinase inhibitors from bull seminal plasma and spermatozoa. Cechová D, et al.
Hoppe Seylers Z Physiol Chem 357(3):401–8, Mar 76

Tubulin and dynein in spermatozoan motility. pp. 161–7. Mohri H, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Changing patterns of sialic acid in the spermatozoa & luminal plasma of the epididymis & vas deferens of the hamster, Mesocricetus auratus (Waterhouse). Bose TK, et al.
Indian J Exp Biol 13(1):8–11, Jan 75

Flow microfluorometric analysis of sperm DNA content: effect of cell shape on the fluorescence distribution. Gledhill BL, et al. **J Cell Physiol** 87(3):367–75, Mar 76

X-ray microanalysis of zinc and calcium in ultrathin sections of human sperm cells using the pyroantimonate technique. Chandler JA, et al. **J Histochem Cytochem** 24(6):740–8, Jun 76

X-ray microanalysis of ultrathin frozen and freeze-dried sections of human sperm cells. Chandler JA, et al.
J Microsc (Oxf) 107(1):55–65, May 76

Polyamines in bovine epididymal spermatozoa. Bamberg E, et al. **J Reprod Fertil** 45(2):363–5, Nov 75

Electrophoretic characterization of proteins in the plasma membrane of porcine spermatozoa. Esbenshade KL, et al. **J Reprod Fertil** 47(2):333–7, Jul 76

Fatty acids and fatty aldehydes of buffalo seminal plasma and sperm lipid. Jain YC, et al. **J Reprod Fertil** 47(2):261–7, Jul 76

The lipids of buffalo spermatozoa and seminal plasma. Jain YC, et al. **J Reprod Fertil** 47(2):255–60, Jul 76

Labelling of acrosomes in mouse spermatozoa by L-(1-3H)fucose. Kopečný V. **J Reprod Fertil** 47(2):403–5, Jul 76

Acrosomal enzymes: Immunochemical localization of acrosin and hyaluronidase in ram spermatozoa. Morton DB.
J Reprod Fertil 45(2):375–8, Nov 75

Three-dimensional structure of herring sperm protamine Y-I with the aid of dark field electron microscopy. Ottensmeyer FP, et al. **Proc Natl Acad Sci USA** 72(12):4953–5, Dec 75

[Proof of chromosome Y in human spermatozoa (author's transl)] Neuwirth J, et al. **Sb Lek** 77(9):271–4, Sep 75 (Eng. Abstr.) **(Cze)**

[Sperm studies following sterilization by vasectomy. How often and how long after the intervention] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 119(35):1351–3, 30 Aug 75 **(Dut)**

[Sperm examination of the boar (author's transl)] Remmen JL, et al. **Tijdschr Diergeneeskd** 101(11):599–610, 1 Jun 76 (Eng. Abstr.) **(Dut)**

[Attempts at localisation and evaluation of the RNA amounts in the tail and the cytoplasmic droplet of bull spermatozoa] Henriet L. **Andrologia** 7(1):39–48, 1975 **(Fre)**

[Problem in the partial separation of X- and Y-carrying human spermatozoa] Rhode W, et al.
Zentralbl Gynaekol 97(7):408–12, 1975 (Eng. Abstr.) **(Ger)**

[Microchemical determination of DNA in spermatozoa of fertile human subjects] Silvestroni L, et al.
Folia Endocrinol (Roma) 27(6pt2):706–17, Dec 74 (Eng. Abstr.) **(Ita)**

[Biometric evaluation of relative DNA and histone concentration in rabbit spermatozoa following administration of cyproterone acetate. Microcytophotometric studies] Grabski J. **Ginekol Pol** 46(9):951–8, Sep 75 (Eng. Abstr.) **(Pol)**

[Physico-chemical properties of deoxyribonucleoprotamine from sturgeon sperm heads] Cheliapov NV, et al.
Biokhimiia 40(5):1099–103, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Phenolic extraction of nucleic acids from the spermatozoa of the roach and the bream] Nedovesova ZP, et al.
Ukr Biokhim Zh 48(2):244–8, Mar-Apr 76 (Eng. Abstr.) **(Ukr)**

CYTOLOGY

Evaluation of bovine spermatozoal morphologic features after staining or fixation. Harasymowycz J, et al.
Am J Vet Res 37(9):1053–7, Sep 76

A study of germ cell morphology and duration of spermatogenic cycle in the baboon, Papio anubis. Chowdhury AK, et al. **Anat Rec** 185(2):155–69, Jun 76

The counting and sizing of spermatozoa from ten animal species using a Coulter counter. Brotherton J.
Andrologia 7(3):169–85, 1975

Improved staining method for differentiating immature germ cells from white blood cells in human seminal fluid. Couture M, et al. **Andrologia** 8(1):61–6, 1976

Variation in the stock of testicular stem cells and in the yield of spermatogonial divisions in ram and bull testes. Hochereau-de Reviers MT. **Andrologia** 8(2):137–46, 1976

Comparative cytomorphologic aspects of the male germ cells, especially of the 'Gonia'. Wartenberg H. **Andrologia** 8(2):117–30, 1976

The chiasmata of axolotls. Wallace H. **Arch Genet (Zur)** 47(2):86–95, 1974

Physical characteristics of mouse sperm nuclei. Wyrobek AJ, et al. **Biophys J** 16(7):811–25, Jul 76

Proceedings: Studies on the separation of X- and Y-bearing spermatozoa. Ferguson JM, et al. **Br J Obstet Gynaecol** 83(5):411, May 76

The Rhodnius testis: hormones, differentiation of the germ cells, and duration of the molting cycle. Dumser JB, et

al. **Can J Zool** 53(11):1673–81, Nov 75

Spermatogenetic clones developing from repopulating stem cells surviving a high dose of an alkylating agent. van Keulen CJ, et al. **Cell Tissue Kinet** 8(6):543–51, Nov 75

Transport of material between the nucleus, the chromatoid body and the Golgi complex in the early spermatids of the rat. Söderström KO, et al. **Cell Tissue Res** 168(3):335–42, 13 May 76

Ageing and chromosome aberrations in male mammalian germ cells. Leonard A, et al. **Exp Gerontol** 10(6):309–11, 1975

The tricentennial of the discovery of sperm. Kempers RD. **Fertil Steril** 27(5):603–5, May 76

Studies of the genetic implications of abnormal spermatoza. pp. 311–5. Bruce WR.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975. (11 ref.)

Spermatogonial stem cells and their behavior in the seminiferous epithelium of rats and monkeys. pp. 273–86. Clermont Y, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Spermatogonial stem cell renewal in the mouse as revealed by 3H–thymidine labeling and irradiation. pp. 287–302. Oakberg EF, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Type A spermatogonia in the ram. pp. 13–9. Hochereau–de Reviers MT, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Functional and pathological morphology of the spermatozoon. pp. 20–7. Pedersen H.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Morphology and classification. pp. 2–12. Schoysman R.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Genetic studies on the dimensional characteristics of spermatozoa of rabbits of different coat colours. Srivastava PN, et al. **Indian J Exp Biol** 13(1):12–4, Jan 75

Disappearance of spermatoza from the ejaculates of vasectomized dogs. Pineda MH, et al.
J Am Vet Med Assoc 168(6):502–3, 15 Mar 76

Postpuberal changes in semen production of Charolais bulls ejaculated at high frequency and the relation between testicular measurements and sperm output. Almquist JO, et al. **J Anim Sci** 42(3):670–6, Mar 76

An improved method for evaluating acrosomes of bovine spermatozoa. Johnson L, et al. **J Anim Sci** 42(4):951–4, Apr 76

Serum LH and testosterone and sperm numbers in pubertal bulls chronically treated with gonadotropin releasing hormone. Monkonpunya K, et al. **J Anim Sci** 41(1):160–5, Jul 75

Effect of thawing rate and post–thaw temperature on motility and acrosomal–maintenance in bovine semen frozen in plastic straws. Senger PL, et al. **J Anim Sci** 42(4):932–6, Apr 76

Centrifugal elutriation: separation of spermatogenic cells on the basis of sedimentation velocity. Grabske RJ, et al.
J Cell Physiol 86(1):177–89, Aug 75

Sperm concentration dependency in the fertilization and zonae sperm binding properties of mouse eggs inseminated in vitro. Wolf DP, et al. **J Exp Zool** 196(1):27–37, Apr 76

The size of spermatozoa from Black Bengal and Barbari goats (Capra hircus). Dass D, et al. **J Reprod Fertil** 44(2):333–4, Aug 75

Morphology of stallion spermatozoa. Dott HM.
J Reprod Fertil [Suppl] (23):41–6, Oct 75

A study of meiotic preparation of human spermatocytes and their relationship to infertility. Mehan DJ, et al. **J Urol** 115(3):284–7, Mar 76

Masturbation and nocturnal emissions—possible mechanisms for minimising teratozoospermie and hyperpermie in man. Levin RJ. **Med Hypotheses** 1(3):130–1, May–Jun 75

[The correlation of morphological and biochemical factors in human ejaculate in various andrological diagnoses. I. Relationship between ejaculate volume, number, motility and morphology of the spermatozoa with regard to age] Schirren C, et al. **Andrologia** 7(2):117–25, 1975 (Eng. Abstr.) **(Ger)**

[Freeze etching studies of human spermatozoa] Keyserlingk DG. **Verh Anat Ges** 68:181–5, 1974 (Eng. Abstr.) **(Ger)**

[Morphology of spermatozoa under the scanning electron microscope] Mehring M. **Verh Anat Ges** 68:175–9, 1974 (Eng. Abstr.) **(Ger)**

[Spermatogenesis in light of evolution] Roosen–Runge EC. **Verh Anat Ges** 68:23–37, 1974 **(Ger)**

[Scanning electron microscopy studies of mammaliam sperm atozoa under various preparation conditions] Rosenbauer KA, et al. **Verh Anat Ges** 68:855–61, 1974 **(Ger)**

[A method for the fragmentation of bull spermatozoa and the isolation of median piece–tail fragments] Bruchhaus H, et al. **Z Med Labortech** 16(5):272–6, 1975 (Eng. Abstr.) **(Ger)**

[Morphometirc study of the sperm head in chronic prostatitis] Shroit IG, et al. **Urol Nefrol (Mosk)** (5):47–8, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Influence of thawing diluents on vitality, acrosome morphology, ultrastructure and enzyme release of deep frozen boar spermatozoa. Larsson K, et al.
Acta Vet Scand 17(1):83–100, 1976

The effect of exogenous administration of oestrogens on the function of the epididymis and the accessory sex glands in the boar. Linde C, et al. **Acta Vet Scand** 16(3):456–64, 1975

Enhancement of sperm acrosin activity by glycerol–pretreatment – quantitative estimations. Schill WB, et al. **Arch Dermatol Res** 256(1):1–11, 26 Jul 76

Method for testing mutagenic effects of chemicals on spermatogonia of the Chinese hamster: results obtained with cyclophosphamide, saccharin, and cyclamate. Machemer L, et al. **Arzneim Forsch** 25(12):1889–96, 1975

Effects of egg yolk, glycerol and the freezing rate on the viability and acrosomal structures of frozen ram spermatozoa. Watson PF, et al. **Aust J Biol Sci** 28(2):153–9, Apr 75

TEPA—A marker for use in evaluating fertilizing ability of rabbit spermatozoa in competitive fertilization. Beil RE, et al. **Biol Reprod** 14(4):398–400, May 76

Effect of pretreatment of rat spermatozoa with high concentrations of NaCl on sperm capacitation and fertilization of eggs in vitro. Niwa K, et al.
Biol Reprod 13(2):187–9, Sep 75

The fertilizing capacity of spermatozoa from rats and mice treated with CL–88,236 and AY–22,352 as examined both in vivo and in vitro. Tsunoda Y, et al. **Biol Reprod** 14(2):202–11, Mar 76

Acceleration of the acrosome reaction and activation of guinea pigs spermatozoa by detergents and other reagents. Yanagimachi R. **Biol Reprod** 13(5):519–26, Dec 75

The nitrofurans as sperm immobilising agents: their tissue toxicity and their clinical application. Albert PS, et al.
Br J Urol 47(4):459–62, Aug 75

The Rhodnius testis: hormonal effects on germ cell division. Dumser JB, et al. **Can J Zool** 53(11):1682–9, Nov 75

Effect of a spermatogonial chalone on the growing rat testis. Clermont Y, et al. **Cell Tissue Kinet** 9(1):99–104, Jan 76

The effect of steroid hormones on motility and selective migration of X– and Y–bearing human spermatozoa. Beck KJ, et al. **Fertil Steril** 27(4):407–12, Apr 76

Changes in the protein conformation of human spermatozoal membranes after treatment with cyclic adenosine 3':5'–monophosphate and human follicular fluid. Delgado NM, et al. **Fertil Steril** 27(4):413–20, Apr 76

Effect of serum proteinase inhibitors on the fertilizing capacity of rabbit spermatozoa. Yang SL, et al.
Fertil Steril 27(5):577–81, May 76

Cytogenetic effects of cyclophosphamide on mouse spermatogonia. Rathenberg R. **Humangenetik** 29(2):135–40, 10 Sep 75

Chemical dissection and surface mapping of spermatozoa. pp. 349–57. Edelman GM, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Effect of delta9–tetrahydrocannabinol (THC) on the kinetic morphology of spermatozoa. pp. 189–93. Shahar A, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Inhibition of capacitation and of the fertilizing capacity of rabbit spermatozoa by blocking membrane sulfhydryl groups. pp. 322–4. Reyes A, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Pharmacological actions on the production and physiology of mammalian spermatozoa. pp. 284–93. Eliasson R.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s. (28 ref.)

Cellular effects of chronic cannabis use in man. pp. 533–50. Stefanis CN, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975. (50 ref.)

Epinephrine reception by sperm cells. pp. 391–8. Tsocheva–Mitseva P, et al.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Effect of low doses of alpha–chlorohydrin on fertility and semen characteristics and binding of the drug of spermatozoa in swine. Crabo BG, et al. **Int J Fertil** 20(2):87–94, 1975

Effect of selected inhibitors and methylene–blue on a possible phosphogluconate pathway in washed boar sperm. Witters WL, et al. **J Anim Sci** 43(1):159–63, Jul 76

Polymerization of sperm actin in the presence of cytochalasin–B. Sanger JW, et al. **J Exp Zool** 193(3):441–7, Sep 75

Ionophore A23187 induces acrosome reactions in sea urchin and guinea pig spermatozoa. Summers RG, et al.
J Exp Zool 196(3):381–5, Jun 76

Individual and age differences in the spermicidal effect of ethylene dibromide in bulls. Amir D. **J Reprod Fertil** 44(3):561–65, Sep 75

Changes in total nitrogen, lipoproteins and amino acids in epididymal and ejaculated spermatozoa of bulls treated orally with ethylene dibromide. Amir D, et al.
J Reprod Fertil 47(1):73–6, May 76

Artificial insemination with spermatozoa in formaldehyde. Dott HM, et al. **J Reprod Fertil** 46(1):277, Jan 76

Effects of carnitine on oxygen uptake and utilization of (U–14C)palmitate by ejaculated bull spermatozoa. Hamilton DW, et al. **J Reprod Fertil** 46(1):195–202, Jan 76

Induction of nuclear decondensation of mammalian spermatozoa in vitro. Mahi CA, et al. **J Reprod Fertil** 44(2):293–6, Aug 75

Stimulatory effect of the lysosomal stabilizer, chloroquine, on the respiration and motility of fresh and aged bovine spermatozoa. Norman C, et al. **J Reprod Fertil** 44(3):481–6, Sep 75

Effects of in–vitro treatment of boar spermatozoa with TEPA on the fertilization and development of pig eggs. Pursel VG, et al. **J Reprod Fertil** 45(3):549–52, Dec 75

Fertilizing ability in vivo and in vitro of spermatozoa of rats and mice treated with alpha–chlorohydrin. Tsunoda Y, et al. **J Reprod Fertil** 46(2):401–6, Mar 76

The effect of vinblastine on spermiogenesis in Drosophila melanogaster: evidence for two functional classes of cytoplasmic microtubules. Wilkinson RF, et al.
J Ultrastruct Res 53(3):354–65, Dec 75

Genetic risks of vinyl chloride. Infante PF, et al. **Lancet** 1(7962):734–5, 3 Apr 76

Goniomitosis in rats subjected to ethanol. Kohila T, et al. **Med Biol** 54(2):150–1, Apr 76

Goniomitosis in rats affected by mycoplasma or macrolides. Lastikka L, et al. **Med Biol** 54(2):146–9, Apr 76

Toxic and photodynamic effects of vital staining with cresyl blue on bull spermatozoa. van Duijn C Jr. **Mikroskopie** 31(1–2):14–22, Apr 75

Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS–induced dominant lethality in post–meiotic male germ cells. Brewen JG, et al.
Mutat Res 33(2–3):239–50, Dec 75

Premature chromosome condensation, structural chromosome aberrations, and micronuclei in early mouse embryos after treatment of paternal postmeiotic germ cells with triethylenemelamine: possible mechanisms for chemically induced dominant–lethal mutatiions. Matter BE, et al. **Mutat Res** 33(2–3):251–60, Dec 75

Cytogenetic analysis of meiotic chromosomes of irradiated mice and their progeny after treatment with streptomycin and dihydrodeoxystreptomycin. Savković N, et al.
Mutat Res 29(2):206–7, Aug 75

Studies on DNA repair in early spermatid stages of male mice after in vivo treatment with methyl–, ethyl–, propyl–, and isopropyl methanesulfonate. Sega GA, et al.
Mutat Res 36(2):193–212, Aug 76

Lack of an effect of caffeine on repair systems in oocytes of Drosophila melanogaster following treatment of mature sperm with alkylating agents. Watson WA. **Mutat Res** 33(2–3):395–8, Dec 75

Analysis of sister chromatid exchange formation in vivo in mouse spermatogonia as a new test system for environmental mutagens. Allen JW, et al. **Nature** 260(5550):449–51, 1 Apr 76

Evaluation of the method of testing on spermatozoa of the local irritant effect of streptomycin. Naciążek–Wieniawska A, et al. **Pol Med Sci Hist Bull** 15(1):41–4, Jan–Feb 75

Comparison of various cryoprotective agents on washed chicken spermatozoa. 5. Effect of glucose, sucrose and polyvinylpyrrolidone. Sexton TJ. **Poult Sci** 54(4):1297–9, Jul 75

Chemical induction of sperm abnromalities in mice. Wyrobek AJ, et al. **Proc Natl Acad Sci USA** 72(11):4425–9, Nov 75

Inhibitory effect of synthetic phospholipid vesicles containing cholesterol on the fertilizing ability of rabbit spermatozoa. Davis BK. **Proc Soc Exp Biol Med** 152(2):257–61, Jun 76

Heritable chromosome aberrations in mammals after exposure to chemicals. Léonard A. **Radiat Environ Biophys** 13(1):1–8, 30 Mar 76

[Spermatozoal resistance to a 1% solution of sodium chloride] Nalbanski B. **Akush Ginekol (Sofiia)** 14(6):492–5, 1975 (Eng. Abstr.) **(Bul)**

[Effect of the anthelmintic Fenbendazole on the quality of the sperm in stud bulls] Krause D, et al.
Dtsch Tieraerztl Wochenschr 82(6):231–3, 5 Jun 75 (Eng. Abstr.) **(Ger)**

[Studies on the influence of trimethoprim/sulfamethoxazole on the quality of sperm in andrologic patients and a contribution to the pharmacological testing of a drug on the spermatogenetic activity of the testis] Lange D, et al.
Z Hautkr 49(20):863–78, 15 Oct 74 **(Ger)**

[Effect of triethylenethiophosphoramid on the spermatozoa of rabbits] Nizhnikh GV, et al.
Arkh Anat Gistol Embriol 69(8):96–101, Aug 75 (Eng. Abstr.) **(Rus)**

[Colchicine and the centromeric ring] Monakhova MA, et al. **Dokl Akad Nauk SSSR** 225(4):945–7, 1 Dec 75 **(Rus)**

[Mechanism of inactivation and mutagenesis induced by ethyleneimine in Drosophila melanogaster germ cells. VI. Dominant lethal mutations at different stages of spermatogenesis] Iziumov IgG, et al. **Genetika** 11(7):95–103, 1975 (Eng. Abstr.) **(Rus)**

[Mechanism of inactivation and mutagenesis induced by ethyleneimine in Drosophila germ cells. V. Relation of complete and mosaic mutations during the supplementary action of high temperature] Kuznetsov VM, et al.
Genetika 11(5):51–6, 1975 (Eng. Abstr.) **(Rus)**

[Mechanism of inactivation and mutagenesis induced by

ethyleneimine in Drosophila germ cells. V. Relation of complete and mosaic mutations during the supplementary action of high temperature] Kuznetsov VM, et al. **Genetika** 11(5):51–6, 1975 (Eng. Abstr.) **(Rus)**

[Mutagenic effect of thio-TEPA in laboratory mice. I. Chromosome aberrations in somatic and germ cells of male mice] Malashenko AM, et al. **Genetika** 10(1):71–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Specificity of chemical mutagens acting on Cyprinus carpio L. spermatozoa] Tsoĭ RM, et al. **Genetika** 10(2):68–72, Feb 74 (Eng. Abstr.) **(Rus)**

[Study of the remote results of the use of repellants. Report 1. Experimental study of the long-term effects of the repellant diethyltoluamide (DETA)] Gleĭberman SE, et al. **Med Parazitol (Mosk)** 45(1):65–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Histochemical localization of hydrolytic enzymes in the buffalo spermatozoa. Guraya SS, et al. **Acta Histochem (Jena)** 54(2):307–12, 1975

Improved zymographic detection of bovine acrosin. Garner DL. **Anal Biochem** 67(2):688–94, Aug 75

Effect of different glycerol levels on the release of glutamic oxaloacetic transaminase (GOT) from deep frozen ram spermatozoa. Roychoudhury PN, et al. **Andrologia** 7(3):211–5, 1975

Enzymes of cyclic nucleotide metabolism in invertebrate and vertebrate sperm. Gray JP, et al. **Arch Biochem Biophys** 172(1):20–30, Jan 76

Guanylate cyclase of sea urchin sperm: subcellular localization. Gray JP, et al. **Arch Biochem Biophys** 172(1):31–8, Jan 76

Inhibition of movement and ATP-ase activity of demembranated sea urchin spermatozoa by anti-dynein antiserum. Okuno M, et al. **Biochem Biophys Res Commun** 68(3):901–6, 9 Feb 76

Activity and androgenic control of glycolytic enzymes in the epididymis and epididymal spermatozoa of the rat. Brooks DE. **Biochem J** 156(3):527–37, 15 Jun 76

Studies on ram acrosin. Fluorimetric titratiion of operational molarity with 4-methylumbelliferyl p-guanidinobenzoate. Brown CR, et al. **Biochem J** 149(1):147–54, Jul 75

Studies on ram acrosin. Isolation from spermatozoa, activation by cations and organic solvents, and influence of cations on its reaction with inhibitors. Brown CR, et al. **Biochem J** 149(1):133–46, Jul 75

The vitelline envelope of eggs from the giant keyhole limpet Megathura crenulata. II. Products formed by lysis with sperm enzymes and dithiothreitol. Heller E, et al. **Biochemistry** 15(6):1199–203, 23 Mar 76

Inhibition of axoneme and dynein ATPase from sea urchin sperm by free ATP. Hayashi M. **Biochim Biophys Acta** 422(1):225–30, 23 Jan 76

An adenosine 3':5' monophosphate dependent protein kinase from sea urchin spermatozoa. Lee MY, et al. **Biochim Biophys Acta** 429(1):123–36, 11 Mar 76

Enzymatic unpacking of bull sperm chromatin. Marushige Y, et al. **Biochim Biophys Acta** 403(1):180–91, 22 Sep 75

Subcellular localizations of guanylate cyclase and 3',5'-cyclic nucleotide phosphodiesterase in sea urchin sperm. Sano M. **Biochim Biophys Acta** 428(2):525–31, 23 Apr 76

Involvement of esterases in sperm penetration of the corona radiata of the ovum. Bradford MM, et al. **Biol Reprod** 15(1):102–6, Aug 76

Comparison of several extraction procedures for boar spermatozoal acrosin. Johnson LA, et al. **Biol Reprod** 15(1):79–83, Aug 76

Biochemical studies of proacrosin and acrosin from hamster cauda epididymal spermatozoa. Meizel S, et al. **Biol Reprod** 14(4):444–50, May 76

Nucleoside 3',5'-monophosphate phosphodiesterases in sea urchin sperm. Wells JN, et al. **Biol Reprod** 15(1):46–53, Aug 76

Alteration of cytochrome c oxidase activity during spermatogenesis in Carcinus maenas. Pearson PJ, et al. **Cell Tissue Res** 164(3):401–10, 10 Dec 75

In situ detection of a DNA-polymerase activity in the nuclei of mouse spermatozoa. Chevaillier P, et al. **Chromosoma** 54(1):33–7, 27 JAN 76

Biochemical characterization of an avian spermatozoan acrosin and comparison of its properties to those of bovine trypsin and mammalian acrosins. Ho JJ, et al. **Comp Biochem Physiol [B]** 54(2):213–8, 1976

A spermatozoa-specific isoenzyme of arginine kinase in sabellid worms. Biochemical and immunological comparison with muscle enzyme. Robin Y, et al. **Comp Biochem Physiol [B]** 52(3):387–92, 15 Nov 75

Loss of acrosin from bovine spermatozoa following cold shock: protective effects of seminal plasma. Church KE, et al. **Cryobiology** 13(3):341–6, Jun 76

The localisation of bovine sperm hyaluronidase. Gould SF, et al. **Differentiation** 3(1-3):123–32, 11 Aug 75

Acrosomal hydrolases in buffalo spermatozoa. Kaur SP, et al. **Experientia** 32(4):436–8, 15 Apr 76

Multiple molecular forms of avian acrosin: differences in their kinetic properties. Ho JJ, et al. **FEBS Lett** 56(1):115–9, 1 Aug 75

Characterization of phosphoglycerate kinase from human spermatozoa. Chen SH, et al. **Fertil Steril** 27(6):699–701, Jun 76

Effects of acrosin inhibitors on the soluble and membrane-bound forms of ram acrosin, and a reappraisal of the role of the enzyme in fertilization. Brown CR, et al. **Hoppe Seylers Z Physiol Chem** 357(1):57–65, Jan 76

An acrosin inhibitor in ram spermatozoa that does not originate from the seminal plasma. Brown CR, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1909–13, Dec 75

Multiple forms of boar acrosin and their relationship to proenzyme activation. Schleuning WD, et al. **Hoppe Seylers Z Physiol Chem** 357(2):207–12, Feb 76

Sperm enzymes and their role in fertilization. pp. 222–32. Stambaugh R, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s. (38 ref.)

Acrosomal enzymes and fertilization. pp. 185–212. Stambaugh RL.
In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b. (68 ref.)

Boar, bull and human sperm acrosin—isolation, properties and biological aspects. pp. 715–35. Fritz H, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (72 ref.)

Studies on the enzymatic and molecular nature of acrosomal proteinase. pp. 707–14. Stambaugh R, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.

The proteolytic enzyme systems of mammalian genital tract secretions and spermatozoa. pp. 683–706. Zaneveld LJ, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (168 ref.)

Membrane and enzymatic events in penetration of the mammalian ovum by sperm. pp. 491–7. Williams WL, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Enzyme activities regulating adenosine 3',5'-cyclic monophosphate of buffalo, bull and goat spermatozoa. Chaudhry PS, et al. **Indian J Biochem Biophys** 12(3):290–1, Sep 75

Distribution and removal of the acrosin of bull spermatozoa. Multamäki S, et al. **Int J Fertil** (2):69–81, 1976

Nucleoside diphosphate kinase and the flagellar movement of glycerinated spermatozoa. Kobayashi T, et al. **J Biochem (Tokyo)** 79(2):413–8, Feb 76

Sea urchin sperm guanylate cyclase. Purification and loss of cooperativity. Garbers DL. **J Biol Chem** 251(13):4071–7, 10 Jul 76

The effect of divalent cations on bovine spermatozoal adenylate cyclase activity. Braun T. **J Cyclic Nucleotide Res** 1(6):271–81, 1975

Evidence for the role of a trypsin-like enzyme in the hamster sperm acrosome reaction. Meizel S, et al. **J Exp Zool** 195(1):137–44, Jan 76

Sperm proteinase release during fertilization of rabbit ova. Stambauch R, et al. **J Exp Zool** 197(1):121–5, Jul 76

Inhibition of human sperm acrosin by synthetic agents. Bhattacharyya AK, et al. **J Reprod Fertil** 47(1):97–100, May 76

Distribution of hyaluronidase in the ram spermatozoon. Brown CR. **J Reprod Fertil** 45(3):537–9, Dec 75

Comparison of neutral proteinase activities in cock and ram spermatozoa and observations on a proacrosin in cock spermatozoa. Brown CR, et al. **J Reprod Fertil** 46(1):155–64, Jan 76

Identification of acrosin in mouse spermatozoa. Brown CR, et al. **J Reprod Fertil** 46(1):249–51, Jan 76

Investigations on adenosine 3',5'-monophosphate phosphodiesterase in ram semen and initial characterization of a sperm-specific isoenzyme. Tash JS. **J Reprod Fertil** 47(1):63–72, May 76

Changes in lipase and phosphatase activities of rat spermatozoa in transit from the caput to the cauda epididymidis. Terner C, et al. **J Reprod Fertil** 45(1):1–8, Oct 75

Measurement of adenylate cyclase activity in ram spermatozoa. Towns KM, et al. **J Reprod Fertil** 47(2):355–7, Jul 76

Inhibition of bull and rabbit sperm enzymes by alpha-chlorohydrin. Yang CH, et al. **J Reprod Fertil** 46(2):289–93, Mar 76

[Isoenzyme X of lactate-dehydrogenase in man (author's transl)] Hule V, et al. **Cas Lek Cesk** 114(34–35):1087–8, 29 Aug 75 (Eng. Abstr.) **(Cze)**

[Immunocytochemical localization of hyaluronidase in the spermatozoa of domestic mammals] Fléchon JE, et al. **C R Acad Sci [D] (Paris)** 280(7):877–80, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Activity of nuclear DNA polymerase in spermatozoa of mice and change of activity during spermatogenesis] Chevaillier PH, et al. **Exp Cell Res** 99(2):237–44, May 76 (Eng. Abstr.) **(Fre)**

[Significance of proteolytic sperm enzymes for the fertility] Schill WB. **Hautarzt** 26(10):514–23, Oct 75 (133 ref.) **(Ger)**

[The cytochemical localization of ATPase activity in the spermatozoa from fertile and infertile human ejaculate by electron microscope (author's transl)] Koshino Y. **Jpn J Urol** 67(6):402–16, Jun 76 (Eng. Abstr.) **(Jpn)**

[Kinetics of the proteolytic activity of intact human spermatozoa] Mercado-Pichardo E, et al. **Arch Invest Med (Mex)** 6(1):65–74, 1975 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Presence of antisperm antibodies in fertile and infertile persons. Gupta KG, et al. **Acta Obstet Gynecol Scand** 54(5):407–10, 1975

Antibodies to spermatozoa. VI. Comparative studies of sperm-agglutinating activity in groups of infertile and fertile women. Shulman S, et al. **Am J Obstet Gynecol** 123(2):139–44, 15 Sep 75

Determination of sperm-antibodies in sera of sterile women by affinity-chromatography (affinity-chromatography of sperm-antibodies). Gradl T, et al. **Andrologia** 7(2):99–104, 1975

Infertility and embryonic mortality in female rabbits immunized with different sperm preparations. Kummerfeld HL, et al. **Biol Reprod** 14(3):300–5, Apr 76

Isolation of an 'immobilizing antigen' from rabbit sperm membranes. O'Rand MG, et al. **Biol Reprod** 14(5):586–98, Jun 76

Autoimmune implications of vasectomy in man. Crewe P, et al. **Clin Exp Immunol** 24(2):368–9, May 76

The effect of testis biopsy on autosensitization against spermatozoal antigens. Hjort T, et al. **Clin Exp Immunol** 18(2):201–12, Oct 74

Comparison of the occurrence of spermatozoal antibodies in male and female blood donors. Husted S, et al. **Clin Exp Immunol** 17(1):61–9, May 74

Comparison of the occurrence of spermatozoal antibodies in male and female blood donors. Husted S, et al. **Clin Exp Immunol** 17(1):61–9, May 74

Microtechnique for simultaneous determination of immobilizing and cytotoxic sperm antibodies. Methodological and clinical studies. Husted S, et al. **Clin Exp Immunol** 22(2):256–64, Nov 75

Auto-antigens of human spermatozoa. I. Solubilization of a new auto-antigen detected on swollen spermheads. Kolk AH, et al. **Clin Exp Immunol** 16(1):63–76, Jan 74

Auto-antigens of human spermatozoa. I. Solubilization of a new auto-antigen detected on swollen spermheads. Kolk AH, et al. **Clin Exp Immunol** 16(1):63–76, Jan 74

Autoimmunity to sperm antigens in vasectomized men. Samuel T, et al. **Clin Exp Immunol** 21(1):65–74, Jul 75

Human sperm antigens and antisperm antibodies I. Studies on vasectomy patients. Tung KS. **Clin Exp Immunol** 20(1):93–104, Apr 75

Human sperm antigens and antisperm antibodies. III. Studies on acrosomal antigens. Tung KS. **Clin Exp Immunol** 24(2):292–9, May 76

Antibodies against testicular germinal cells in lepromatous leprosy. Wall JR, et al. **Clin Exp Immunol** 17(1):51–9, May 74

Developmental expression of an early embryonic antigen common to mouse spermatozoa and cleavage embryos, and to human spermatozoa: its expression during spermatogenesis. Gachelin G, et al. **Dev Biol** 50(2):310–20, Jun 76

Antispermatozoal immunoglobulin G in the sera of subfertile men. Leslie W, et al. **Fertil Steril** 27(4):399–402, Apr 76

Purification and characterization of a sperm-coating antigen from human seminal plasma. Li TS, et al. **Fertil Steril** 27(6):702–12, Jun 76

Studies on sperm antigenicity. 2. In vivo and in vitro cellular reactivity in guinea pigs sensitized to homologous and heterologous spermatozoal autoantigens. Marcus ZH, et al. **Fertil Steril** 26(10):1024–34, Oct 75

Studies on sperm antigenicity, 5. In vivo and in vitro cellular reactivity in guinea pigs sensitized with fractions of human spermatozoa. Marcus ZH, et al. **Fertil Steril** 27(6):713–22, Jun 76

A comparison of methods of screening for sperm antibodies in the serum of women with otherwise unexplained infertility. Petrunia DM, et al. **Fertil Steril** 27(6):655–61, Jun 76

Cellular immunity to lymphocyte antigens in human infertility. Tait BD, et al. **Fertil Steril** 27(4):389–96, Apr 76

In vitro production of the factors effective in the transfer of experimental autoimmune aspermatogenesis. Pokorná Z, et al. **Folia Biol (Praha)** 21(2):138–43, 1975

Antispermatozoa antibodies. II. Spermagglutinating antibodies in the blood serum of infertile men. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):650–4, Dec 74

ANTISPERMATOZOA ANTIBODIES.
Spermagglutinating antibodies in the blood serum of non infertile men. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):644–9, Dec 74

Anti-spermatozoal antibodies in infertile couples. Yamauchi S, et al. **Hawaii Med J** 35(6):166–70, Jun 76

Quantitative estimation of immobilizing antibody of sperm immobilizing antibody in the sera of women with sterility of unknown etiology: the 50% sperm immobilization unit (SI50). pp. 10–5. Isojima S, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Antibodies in the sera of sterile women responsible for sperm immobilization. pp. 16–9. Koyama K, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Role, characterization and determination of humoral sperm

antibodies and cell-mediated immunity to sperm antigens in female sterility and infertility. pp. 20-4. Mettler L.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Antigens of semen and auto-immunity against spermatozoa in inferetile men. pp. 249-69. Hekman A, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974. (137 ref.)

Sterilization, antibodies, and autoimmunity. pp. 86-95. Shulman S.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973. (34 ref.)

Crossed immunoelectrophoresis of sperm antibodies in human serum and cervical mucus. Gradl T, et al. **Int J Fertil** 20(1):50-4, 1975

Low fertility rate in vasovasostomized males and its possible immunologic mechanism. Gupta I, et al. **Int J Fertil** 20(3):183-91, 1975

Sperm antibodies in serum and seminal plasma. Husted S, et al. **Int J Fertil** 20(2):97-105, 1975

Sperm antibodies in men from infertile couples. Analysis of sperm agglutinins and immunofluorescent antibodies in 657 men. Husted S. **Int J Fertil** 20(2):113-21, 1975

A new model for antisperm autoimmunity in guine pigs. Mazzolli AB, et al. **Int J Fertil** 21(1):49-54, 1976

Serum-mediated immunoresponses to spermatozoa. Brannen GE, et al. **Invest Urol** 13(2):85-9, Sep 75

Proceedings: Lymphocyte cytotoxicity in delayed hypersensitivity to homologous and heterologous spermatozoa. Toder V, et al. **Isr J Med Sci** 12(1):82-3, Jan 76

Studies on the distribution of antigenic sites on the surface of rabbit spermatozoa. Koehler JK. **J Cell Biol** 67(3):647-59, Dec 75

Spermatophore of the mealwork beetle: immunochemical characteristics suggest affinities with male accessory gland. Frenk E, et al. **J Insect Physiol** 22(6):891-5, 1976

Testicular antispermatogenic antibodies in obstructive azoospermia. Abdel Aal H, et al. **J Reprod Fertil** 47(1):117-8, May 76

Inhibition of fertilization in vitro by treatment of rabbit spermatozoa with univalent isoantibodies to rabbit sperm hyaluronidase. Dunbar BS, et al. **J Reprod Fertil** 47(2):381-4, Jul 76

Sperm antibodies after vasectomy with fulguration. Alexander NJ, et al. **J Urol** 115(1):77-8, Jan 76

Letter: HLA-D on sperm is haploid, enabling use of sperm for HLA-D typing. Halim K, et al. **Lancet** 2(7947):1255-6, 20 Dec 75

Effect of anti-sperm gamma globulins on metabolism of human spermatozoa. Schnieders JR, et al. **Life Sci** 17(7):1135-40, 10 Oct 75

Immunofluorescent localization of acrosin in spermatozoa by boar acrosin antibodies. Schill WB. **Naturwissenschaften** 62(11):540-1, Nov 75

Structural similarities between a product of the T/t-locus isolated from sperm and teratoma cells, and H-2 antigens isolated from splenocytes. Vitetta ES, et al.
Proc Natl Acad Sci USA 72(8):3215-9, Aug 75

Autoimmunity to sperm. Hjort T, et al. **Proc R Soc Med** 68(4):253-5, Apr 75

Solubilization of human spermatozoa and antigen isolation responsable for agglutination. Mettler L, et al.
Res Exp Med (Berl) 165(2):169-74, 14 Jul 75

Mixed cultures of sperm and leukocytes as a measure of histcompatibility in man. Levis WR, et al. **Science** 191(4224):302-4, 23 Jan 76

Effects of murine spermatozoa on the mixed leukocyte reaction of mice. Erickson RP, et al. **Transplantation** 20(3):263-5, Sep 75

[Ontogeny of spermatozoal auto-antigens in guinea pigs] Radu I. **Arch Roum Pathol Exp Microbiol** 34(1-2):111-9, Jan-Jun 75 (Eng. Abstr.) **(Fre)**

[Histologic and immunologic study of the testis after ligation of the vas deferens in dogs] Lansac J, et al.
J Gynecol Obstet Biol Reprod (Paris) 5(1):5-14, Jan-Feb 76 (Eng. Abstr.) **(Fre)**

[An immunofluorescent study of circulating sperm antibodies in humans (author's transl)] Maucher OM, et al.
Arch Dermatol Res 254(2):121-33, 10 Dec 75 (Eng. Abstr.) **(Ger)**

[Immune reactions against sperma in secretions of the female genital tract] Mettler L, et al. **Arch Gynaekol** 219(1-4):514-5, 18 Nov 75 **(Ger)**

[Can a spermatozoa-induced HL-A-sensitization be the cause of female sterility?] Stolp W, et al.
Arch Gynaekol 219(1-4):515-6, 18 Nov 75 **(Ger)**

[Incidence of autologous spermatozoa antibodies in a group of unselected andrologic patients] Schill W, et al.
Hautarzt 27(8):382-90, Aug 76 (Eng. Abstr.) **(Ger)**

[Sperm-immunofluorescence after inflammations and surgical interventions on the male genitalia] Heidler H.
Helv Chir Acta 43(3):299-301, Jul 76 **(Ger)**

[Sperm-antibodies - practical importance in the male fertility disorder] Meili HU, et al. **Helv Chir Acta** 43(3):295-8, Jul 76 **(Ger)**

[Circulating sperm antibodies in prostitutes (author's transl)] Heite HJ, et al. **Munch Med Wochenschr** 117(46):1845-8, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Immunological processes with contraceptive effect from an andrological viewpoint] Herrmann WP. **Z Hautkr** 50(20):859-63, 15 Oct 75 **(Ger)**

[Immunological aspects of fertility disturbances in inflammatory diseases of the sex organs in men] Kovalev IuN, et al. **Urol Nefrol (Mosk)** (4):44-7, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Steroid hormones and spermatozoa metabolism. Hicks JJ, et al. **Adv Steroid Biochem Pharmacol** 5:263-333, 1976 (251 ref.)

Increased fructolysis of kallikrein-stimulated human spermatozoa. Schill WB. **Andrologia** 7(2):105-7, 1975

Modification of the metabolism of rat epididymal spermatozoa by spermine. Pulkkinen P, et al.
Biochem Biophys Res Commun 67(2):714-22, 17 Nov 75

Occurrence of choline acetyltransferase and acetylcholine and other quaternary ammonium compounds in mammalian spermatozoa. Bishop MR, et al. **Biochem Pharmacol** 25(14):1617-22, 15 Jul 76

Complete displacement of somatic histones during transformation of spermatid chromatin: a model experiment. Marushige K, et al. **Biochemistry** 15(10):2047-53, 18 May 76

The mechanism of action of vinblastine. Binding of [acetyl-3H]vinblastine to embryonic chick brain tubulin and tubulin from sea urchin sperm tail outer doublet microtubules. Wilson L, et al. **Biochemistry** 14(26):5586-92, 30 Dec 75

Experimental allergic aspermatogenic orchitis. IV. Chemical properties of sperm glycoproteins isolated from guinea pig testes. Hagopian A, et al. **Biochim Biophys Acta** 434(2):354-64, 15 Jun 76

Experimental allergic aspermatogenic orchitis. II. Some chemical properties of the AP1 protein of the sperm acrosome. Jackson JJ, et al. **Biochim Biophys Acta** 427(1):251-61, 18 Mar 76

Localization of zinc in a dense fiber-connecting piece fraction of rat sperm tails analogous chemically to hair keratin. Calvin HI, et al. **Biol Reprod** 13(2):228-39, Sep 75

Respiratory and phosphorylative activity of amphibian spermatozoa. del Rio AG, et al. **Biol Reprod** 12(3):325-8, Apr 75

Tritium release from [2-3H]D-glucose as a monitor of glucose consumption by bovine sperm. Hammerstedt RH. **Biol Reprod** 12(5):545-51, Jun 75

Use of high speed dialysis to prepare bovine sperm for metabolic studies. Hammerstedt RH. **Biol Reprod** 13(4):389-96, Nov 75

The control of bovine sperm glycolysis during epididymal transit. Hoskins DD, et al. **Biol Reprod** 12(5):566-72, Jun 75

Sperm binding characteristics of the murine zona pellucida. Inoue M, et al. **Biol Reprod** 13(3):340-6, Oct 75

The glutathione and thiol content of mammalian spermatozoa and seminal plasma. Li TK. **Biol Reprod** 12(5):641-6, Jun 75

Embryonic mortality in the rabbit is not increased after fertilization by young epididymal spermatozoa. Overstreet JW, et al. **Biol Reprod** 15(1):54-7, Aug 76

Retardation of guinea pig sperm acrosome reaction by glucose: the possible importance of pyruvate and lactate metabolism in capacitation and the acrosome reaction. Rogers BJ, et al. **Biol Reprod** 13(5):568-75, Dec 75

Energy metabolism of spermatozoa. IV. Effect of calcium on respiration of mature epididymal sperm of the rabbit. Storey BT. **Biol Reprod** 13(1):1-9, Aug 75

Nucleolar RNA synthesis of meiotic prophase spermatocytes in the human testis. Tres LL. **Chromosoma** 53(2):141-51, 24 Nov 75

Synthesis and amino acid composition of basic proteins in mammalian sperm nuclei. Bellvé AR, et al. **Dev Biol** 47(2):349-65, Dec 75

Calcium binding to the acrosomal membrane of human spermatozoa. Roomans GM. **Exp Cell Res** 96(1):23-30, Nov 75

Levels of luteinizing hormone in semen of fertile and infertile men and possible significance of luteinizing hormone in sperm metabolism. Sheth AR, et al. **Fertil Steril** 27(8):933-6, Aug 76

Activity and subcellular localization of proteolytic enzymes of boar and rabbit spermatozoa. Landa V.
Folia Biol (Praha) 21(3):192-5, 1975

Control of yolk protein synthesis by octopus gonadotropin in vivo and in vitro (effects of octopus gonadotropin). O'Dor RK, et al. **Gen Comp Endocrinol** 27(2):129-35, Oct 75

DNA synthesis during male meiotic prophase in the rat. Söderström KO, et al. **Hereditas** 82(1):25-8, 1976

Reversible attachment and localization of the acid-stable seminal plasma acrosin-trypsin inhibitors on boar spermatozoa as revealed by the indirect immunofluorescent staining technique. Schill WB, et al.
Hoppe Seylers Z Physiol Chem 356(9):1473-6, Sep 75

The lysis effect of bull spermatozoa on gelatin substrate film methodical investigations. Wendt V, et al.
Hoppe Seylers Z Physiol Chem 356(3):315-23, Mar 75

Permeability of the bull-sperm membrane. pp. 373-83. Drevius LO.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Selective utilization of endogenous phospholipids by zinc-depleted human spermatozoa. pp. 325-8. Delgado NM, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Short- and long-term rhythms in testicular function in the bull. pp. 447-56. Krzanowski M.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Metabolism of testosterone in isolated germ cells of the ram. pp. 209-12. Barral I, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Sperm metabolism: a function of the oviduct. pp. 221-35. Thorne JG, et al.
In: Johnson AD, Foley CW, ed. The oviduct and its functions. New York, Academic Press, 1974. SF 871 S989o 1972. (64 ref.)

Calcium and cyclic AMP effects on rabbit epididymal spermatozoa. pp. 297-306. Storey BT.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Protein hormones binding to blood and sperm cells. pp. 203-8. Vassileva-Popova J, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Active transport system in human spermatozoa. Abla A, et al. **Int J Fertil** 20(2):95-6, 1975

Participation of vitamin A in the maturation of rabbit spermatozoa. Velázquez A, et al. **Int J Fertil** 20(3):151-5, 1975

Incorporation of labelled retinol in bovine spermatazoa. II. Effect of calcium, magnesium, potassium and sodium on the incorporation, in vitro. Swarup D, et al.
Int J Vitam Nutr Res 45(4):373-7, 1975

Transport mechanism for succinate and phosphate localized in the plasma membrane of bovine spermatozoa. Babcock DF, et al. **J Biol Chem** 250(16):6488-95, 25 Aug 75

Incorporation of (3H)uridine by the chromatoid body during rat spermatogenesis. Söderström KO, et al. **J Cell Biol** 70(1):239-46, Jul 76

Effects of egg factors on cyclic nucleotide metabolism in sea urchin sperm. Garbers DL, et al.
J Cyclic Nucleotide Res 2(2):59-70, 1976

Mechanochemical coupling in flagella. IV. Absence of coupling between metabolism and motility in Chaetopterus spermatozoa. Brokaw CJ, et al.
J Mechanochem Cell Motil 3(3):201-5, Mar 76

Proceedings: Stimulation of nuclear protein synthesis in testicular germinal and Sertoli cells by follicle-stimulating hormone. Davies AG, et al. **J Physiol (Lond)** 257(1):18P-19P, May 76

The absorption by boar spermatozoa of zinc bound to low molecular weight ligands. Boursnell JC, et al.
J Reprod Fertil 45(3):421-6, Dec 75

Proceedings: The glycerylphosphorylcholine and phospholipid pattern of the genital duct and spermatozoa of the African elephant, Loxodonta africana. Darin-Bennet A, et al. **J Reprod Fertil** 46(2):506-7, Mar 76

Fructolysis and respiration of buffalo spermatozoa. Gandhi KK, et al. **J Reprod Fertil** 45(1):185-8, Oct 75

The distribution of calcium in bovine spermatozoa and seminal plasma in relation to cold shock. Karagiannidis A. **J Reprod Fertil** 46(1):83-90, Jan 76

The binding of labelled basic proteins by boar spermatozoa. Moore HD, et al. **J Reprod Fertil** 46(1):71-6, Jan 76

Proceedings: Inhibition of the oxidative metabolism of ram spermatozoa by alpha-chlorohydrin in vitro. White IG, et al. **J Reprod Fertil** 46(2):509, Mar 76

The accessory fibers of the sperm tail. II. Their role in binding zinc in mammals and cephalopods. Baccetti B, et al. **J Ultrastruct Res** 54(2):261-75, Feb 76

Cyclic-AMP receptors in the human spermatozoa membrane. Rosado A, et al. **Life Sci** 17(11):1707-13, 1 Dec 75

Chemical induction of presumed dominant-lethal mutations in postcopulation germ cells and zygotes of mice. II. Sensitivity of different postcopulation-precleavage stages to three alkylating chemicals. Suter KE, et al.
Mutat Res 34(2):259-70, Feb 76

Factors released from sea urchin eggs affect cyclic nucleotide metabolism in sperm. Garbers DL, et al. **Nature** 257(5528):677-8, 23 Oct 75

Ribonuclease-sensitive DNA-synthesizing complex in human sperm heads and seminal fluid. Witkin SS, et al.
Proc Natl Acad Sci USA 72(9):3295-9, Sep 75

D(--)Lactic acid formation and D(--)lactate dehydrogenase in octopus spermatozoa. Martin AW, et al.
Proc R Soc Lond [Biol] 193(1112):235-43, 18 May 76

Information transfer and sperm uptake by mammalian somatic cells. Bendich A, et al.
Prog Nucleic Acid Res Mol Biol 17:43-75, 1976 (121 ref.)

Cholesteryl sulfate and sterol sulfatase in the human reproductive tract. Lalumière G, et al. **Steroids** 27(2):247-60, Feb 76

[Decolorization of methylene blue by bovine spermatozoa and its significance in artificial insemination (author's transly] Aalbers JG. **Tijdschr Diergeneeskd** 101(6):285-96, 15 Mar 76 (Eng. Abstr.) **(Dut)**

[Role of glycoproteins in chemotactic migration of chick germinal cells, results with concanavalin A in organ culture] Cuminge D, et al. **C R Acad Sci [D] (Paris)** 279(12):995-8, 16 Sep 74 **(Fre)**

[Effect of secretions from female genital tract on some metabolic indexes of spermatozoa] Fitko R, et al. **Endokrynol Pol** 27(3):241–9, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Standards in cytophotometry] Agroskin LS, et al. **Tsitologiia** 18(4):513–21, Apr 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[General transmission of sigma virus in 'Drosophila melanogaster'. II. – Revelation of late vertical tansmission in females which have acquired the virus only by the father spermatozoon (author's transl)] Bregliano J, et al. **Ann Microbiol (Paris)** 126(4):491–502, Dec 75 (Eng. Abstr.) **(Fre)**

[The occurrence of molds and yeasts in the feed and spermatozoa of insemmination bulls. Study technics for their demonstration and the possible significance of molds and yeasts in fertilization disorders of hitherto unknown origin] Richter H. **Berl Munch Tieraerztl Wochenschr** 88(12):224–9, 1975 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Mid-piece abnormalities in bovine semen following experimental and natural cases of bovine ephemeral fever. Burgess GW, et al. **Br Vet J** 131(5):536–44, Sep–Oct 75

Spermiophage cells in man. Phadke AM. **Fertil Steril** 26(8):760–74, Aug 75

A human syndrome caused by immotile cilia. Afzelius BA. **Science** 193(4250):317–9, 23 Jul 76

[Findings and significance of spermatozoa agglomeration in the semen] Hofmann N, et al. **Hautarzt** 27(3):106–10, Mar 76 (Eng. Abstr.) **(Ger)**

[Round-headed spermatozoa: a rare andrologic finding ('globe-headed spermatozoa', 'globozoospermia')] Wolff HH, et al. **Hautarzt** 27(3):111–6, Mar 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Influence of boars on the relationship between fertility and post thawing sperm quality of deep frozen boar spermatozoa. Larsson K, et al. **Acta Vet Scand** 17(1):74–82, 1976

Fertility of deep frozen boar spermatozoa: influence of thawing diluents and of boars. Larsson K, et al. **Acta Vet Scand** 17(1):43–62, 1976

Fertility of deep frozen boar spermatozoa at various intervals between insemination and induced ovulation: influence of boars and thawing diluents. Larsson K. **Acta Vet Scand** 17(1):63–73, 1976

The interpretation and significance of the fractional postcoital test. Tredway DR. **Am J Obstet Gynecol** 124(4):352–5, 15 Feb 76

On the transportation of spermatozoa in the vas deferens. Kimura Y, et al. **Andrologia** 7(1):55–61, 1975

The ligation of the male reproductive organs and the role of the spermatic cyst. Kuwahara M, et al. **Andrologia** 7(1):1–14, 1975

Fertility and post-thawing characteristics of deep frozen boar spermatozoa. Larsson K, et al. **Andrologia** 7(1):25–30, 1975

Epididymal sulfhydryl oxidase: a sperm-protective enzyme from the male reproductive tract. Chang TS, et al. **Biochem Biophys Res Commun** 66(1):309–15, 2 Sep 75

Effect of modified membrane vesicles from seminal plasma on the fertilizing capacity of rabbit spermatozoa. Davis BK, et al. **Biochem Biophys Res Commun** 69(4):1004–10, 19 Apr 76

Adaptations of the male reproductive tract and the fate of spermatozoa following vasectomy in the rabbit, rhesus monkey, hamster and rat. Bedford JM. **Biol Reprod** 14(2):118–42, Mar 76

Fate of surplus sperm in the fallopian tube of the white mouse. Chakraborty J, et al. **Biol Reprod** 12(4):455–63, May 75

Rotational and oscillatory components of the tailwave in ram spermatozoa. Denehy MA, et al. **Biol Reprod** 13(3):289–97, Oct 75

Physiological parameters of the sea urchin acrosome reaction. Gregg KW, et al. **Biol Reprod** 14(4):405–11, May 76

Attachment of gonococci to sperm. Influence of physical and chemical factors. James AN, et al. **Br J Vener Dis** 52(2):128–35, Apr 76

Physiological aspects of sperm transport in the domestic pig, Sus scrofa. II. Regulation, survival and fate of cells. Hunter RH. **Br Vet J** 131(6):681–90, Nov–Dec 75 (48 ref.)

A reevaluation of the fertilizin hypothesis of sperm agglutination and the description of a novel form of sperm adhesion. Collins F. **Dev Biol** 49(2):381–94, Apr 76

Maturation and survival of spermatozoa in the epididymis of pregnenolone treated hypophysectomized rats. Vreeburg JT, et al. **Endocrinology** 99(3):824–30, Sep 76

Species-specificity of acrosome reaction and primary gamete binding in echinoids. Summers RG, et al. **Exp Cell Res** 96(1):63–8, Nov 75

Lack of relationship between cyclic nucleotide levels and spermatozoal function in human semen. Beck KJ, et al. **Fertil Steril** 27(4):403–6, Apr 76

Postcoital test: physiologic basis, technique, and interpretation. Moghissi KS. **Fertil Steril** 27(2):117–29, Feb 76

Removal of sperm-bound seminal plasma components as a prerequisite to induction of the rabbit acrosome reaction. Oliphant G. **Fertil Steril** 27(1):28–38, Jan 76

The influence of various proteinase inhibitors on the gelatinolytic effect of ejaculated and uterine boar spermatozoa. Wendt V, et al. **Hoppe Seylers Z Physiol Chem** 356(6):1073–8, Jun 75

Preliminaries to the acrosome reaction in mammalian spermatozoa. pp. 83–7. Austin CR, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Mechanisms of flagellar motility. pp. 127–40. Gibbons IR.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Energy requirements of spermatozoa and the cervical environment. pp. 329–38. Mann T.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971.

Effects of seminal plasma on some functional properties of human spermatozoa. pp. 107–22. Eliasson R, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Interactions between Sertoli cells and germ cells. pp. 13–36. Fawcett DW.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Biochemical aspects of sperm maturation and survival. pp. 89–105. Mann T.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974. (37 ref.)

Physiology of sperm in the female reproductive tract. pp. 203–14. Hamner CE.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

Fertilization-promoting factor from human seminal plasma. pp. 515–8. Gaur RD, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Sperm age: effects on zygote development. pp. 85–95. Orgebin-Crist MC.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.

Frozen boar spermatozoa: methods of thawing pellets. Pursel VG, et al. **J Anim Sci** 42(4):927–31, Apr 76

Influence of freeze rate, thaw rate and glycerol level on acrosomal retention and survival of bovine spermatozoa frozen in French straws. Robbins RK, et al. **J Anim Sci** 42(1):145–54, Jan 76

Effect of rates of freezing, thawing and level of glycerol on the survival of bovine spermatozoa in straws. Rodriguez OL, et al. **J Anim Sci** 41(1):129–36, Jul 75

Asymmetry of spermiation and sperm surface charge patterns over the giant acrosome in the musk shrew Suncus murinus. Cooper GW, et al. **J Cell Biol** 69(2):415–28, May 76

Mitotic chromosome condensation in the sperm nucleus during postfertilization maturation division in Urechis eggs. Das NK, et al. **J Cell Biol** 68(1):155–9, Jan 76

Surface interactions between mammalian sperm and egg: variation of spermatozoa concentration as a probe for the study of binding in vitro. Hartmann JF, et al. **J Cell Physiol** 88(2):219–26, Jun 76

Serum follicle-stimulating hormone and luteinizing hormone levels in male rats with experimentally induced damage of the germinal epitheilum. Debeljuk L. **J Endocrinol** 66(1):53–60, Jul 75

Effects of viscosity and ATP concentration on the movement of reactivated sea-urchin sperm flagella. Brokaw CJ. **J Exp Biol** 62(3):701–19, Jun 75

Form of developing bends in reactivated sperm flagella. Goldstein SF. **J Exp Biol** 64(1):173–84, Feb 76

Mouse sperm genotype and the rate of egg penetration in vitro. Fraser LR, et al. **J Exp Zool** 197(1):13–9, Jul 76

Sperm supply and its utilization in doubly inseminated flies, Culicoides melleus. Linley JR. **J Insect Physiol** 21(11):1785–8, Nov 75

A comparison of in-vitro fertilization of rabbit eggs using spermatozoa recovered from the uterus or vagina. Dandekar P, et al. **J Reprod Fertil** 46(1):77–81, Jan 76

Penetration of hamster and rabbit zona-free eggs by rat and mouse spermatozoa with special reference to sperm capacitation. Hanada A, et al. **J Reprod Fertil** 46(1):239–41, Jan 76

In-vitro fertilization of hamster eggs in different media and the stimulating effect of heterologous and homologous spermatozoa. Hanada A, et al. **J Reprod Fertil** 46(1):105–14, Jan 76

The fertilizing capacity of epididymal spermatozoa in the pig. Holtz W, et al. **J Reprod Fertil** 46(1):227–9, Jan 76

Epididymal function in the boar in relation to the fertilizing ability of spermatozoa. Hunter RH, et al. **J Reprod Fertil** 46(2):463–6, Mar 76

Proceedings: Migration of stored human spermatozoa through cervical mucus in relation to preovulatory LH surge. Kerin JF, et al. **J Reprod Fertil** 46(2):499–500, Mar 76

Studies on the mechanism of the hyamine-induced acrosome reaction in ejaculated bovine spermatozoa. Wooding FB. **J Reprod Fertil** 44(1):185–92, Jul 75

The sperm acrosome reaction and fertilization in the guinea-pig: a study in vivo. Yanagimachi R, et al. **J Reprod Fertil** 46(1):49–54, Jan 76

Sperm fertility, viability and persistence in the female tract. Austin CR. **J Reprod Fertil [Suppl]** (22):75–89, Apr 75 (45 ref.)

Sperm transport and distribution in the mare. Parker WG, et al. **J Reprod Fertil [Suppl]** (23):63–6, Oct 75

The human semen and fertility regulation in the male. International Conference in Andrology. Hafez ES. **J Reprod Med** 16(2):91–6, Feb 76

The biology of the sperm cell. Baccetti B, et al. **Monogr Dev Biol** (10):1–254, 1976 (999 ref.)

The mutagenic effect of triethylenemelamine (tem) on germ cells of male golden hamsters and guinea pigs. Cox BD, et al. **Mutat Res** 30(2):293–8, Nov 75

Appearance of foetal antigens in somatic cells after interaction with heterologous sperm. Higgins PJ, et al. **Nature** 257(5526):488–9, 9 Oct 75

The fertile life of spermatozoa. Salisbury GW, et al. **Perspect Biol Med** 19(2):213–30, Winter 76 (124 ref.)

Effect of various levels of egg yolk, milk, seminal plasma or blood serum on the respiration and reproductive efficiency of chicken spermatozoa. Fewlass TA, et al. **Poult Sci** 54(2):346–9, Mar 75

Production of globules in mouse L cells penetrated with hamster sperms. Lau LC. **Science** 190(4215):684–6, 14 Nov 75

The role of actin in nonmuscle cell motility. Tilney LG. **Soc Gen Physiol Ser** 30:339–88, 1975 (61 ref.)

[To what extent can male fertility be determined from spermiogram values] Lindner E, et al. **Cesk Gynekol** 40(10):713–4, Dec 75 **(Cze)**

[Editorial: Sperm banks in France] David G. **Arch Fr Pediatr** 32(5):401–4, May 75 **(Fre)**

[A paragonial substance extracted from spermatophores of Acanthoscelides obtectus Say (Coleoptera Bruchidae). Effects on female reproduction] Huignard J. **C R Acad Sci [D] (Paris)** 280(25):2869–72, 30 Jun 75 (Eng. Abstr.) **(Fre)**

[A male-linked factor determines the arrangement of eggs laid by Acanthoscelides obtectus Say (Coleoptera: Bruchidae)] Jarry M, et al. **C R Acad Sci [D] (Paris)** 280(7):889–92, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[A parago..ial substance extracted from spermatophores of Acanthoscelides obtectus Say (Coleoptera: Bruchidae). Isolation of the active fraction] Quesneau-Thierry A, et al. **C R Acad Sci [D] (Paris)** 280(22):2603–5, 9 Jun 75 (Eng. Abstr.) **(Fre)**

[Teratospermia and migration of spermatozoa in vitro and in vivo] Clavert A, et al. **C R Soc Biol (Paris)** 169(5):1281–4, 1975 (Eng. Abstr.) **(Fre)**

[Presence of spermatic flagellae on the ovarian sphere of Eoacanthocephala] Marchand B, et al. **J Ultrastruct Res** 56(3):331–8, Sep 76 (Eng. Abstr.) **(Fre)**

[Deep freezing of boar sperma. Laboratory and insemination results using the Hülsenberger paillete method] Westendorf P, et al. **Dtsch Tieraerztl Wochenschr** 82(7):261–7, 5 Jul 75 (Eng. Abstr.) **(Ger)**

[Deep freezing of boar's sperma. VIII. Additional laboratory and insemination tests using the Hülsenberger pellet deep-freezing technic] Westendorf P, et al. **Dtsch Tieraerztl Wochenschr** 82(10):393–5, 5 Oct 75 **(Ger)**

[Effect of secretions from female genital tract on some vitality indexes of spermatozoa] Fitko R, et al. **Endokrynol Pol** 27(3):251–8, May–Jun 76 (Eng. Abstr.) **(Pol)**

[What happens when the cilia remain immobile?] Afzelius B. **Lakartidningen** 73(7):509–10, 11 Feb 76 (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Seminal fructose content in necrospermia. Phadke AM, et al. **Fertil Steril** 26(10):1021–3, Oct 75

RADIATION EFFECTS

Response of the Sertoli cell and stem germ cell to 60Co gamma-radiation (dose and dose rate) in testes of immature rats. Erickson BH, et al. **Biol Reprod** 14(5):641–50, Jun 76

Chemical modification of genetic damage from continuous irradiation in mice. Bajrakova AK, et al. **Experientia** 32(7):924–5, 1976

Unimpaired fertilization with thymidine-3H-labelled spermatozoa in the mouse. Kopečný V, et al. **Folia Biol (Praha)** 21(3):176–83, 1975

Genetic damage at specific gene loci in Drosophila with betatron X-rays. Alexander ML. **Genetics** 81(3):493–500, Nov 75

Spermatogonial cell renewal under continuous irradiation at 1.8 and 45 rads per day. pp. 157–68. Hsu TH.
In: Biological and environmental effects of low-level radiation. Vol 1. Vienna, International Atomic Energy Agency, 1976. WN L10 S988b 1975.

Studies on c-AMP contents in sea urchin eggs fertilized with normal and x-irradiated sperm. Kimura H. **J Radiat Res (Tokyo)** 16(2):120–4, Jun 75

Embryonic death at implantation after induction of dominant lethal mutations in spermatids and spermatozoa of the mouse. Plane JH. **J Reprod Fertil** 46(2):485–7, Mar 76

Chromosome rearrangements from spermatogonial chronic neutron irradiation in mice. Bajrakova A, et al. **Mutat Res** 34(1):159–62, Jan 76

Partial losses of sex chromosomes induced by X-rays in spermatozoa of Drosophila melanogaster. Falk R, et al.

Mutat Res 29(3):397–406, Sep 75
X-ray-induced recessive lethal mutations in the mouse. Lüning KG, et al. **Mutat Res** 34(1):163–74, Jan 76
The induction by X-rays of chromosome aberrations in male Guinea-pigs and golden hamsters. IV. Dose response for spermatogonia treated with fractionated doses. Lyon MF, et al. **Mutat Res** 30(1):117–28, Oct 75
The induction by X-rays of chromosome aberrations in male Guinea-pigs, rabbits and golden hamsters. III. Dose-response relationship after single doses of X-rays to spermatogonia. Lyon MF, et al. **Mutat Res** 29(3):407–22, Sep 75
Dose-response data for X-ray induced translocations in spermatogonia of Rhesus monkeys. Lyon MF, et al. **Mutat Res** 35(3):429–36, Jun 76
The effect of caffeine on repair systems in oocytes of Drosophila melanogaster. Mendelson D. **Mutat Res** 35(1):91–100, Apr 76
X-Ray-induced translocations in spermatoginia. II.Fractionation in mice. Preston RJ, et al. **Mutat Res** 36(3):333–44, Sep 76
Proceedings: Comparative studies on spermatogonia of mice and Chinese hamsters after X-ray treatment. Rathenberg R. **Mutat Res** 29(2):205–6, Aug 75
Evaluation and re-evaluation of genetic radiation hazards in man. III. Other relevant data and risk assessment. Sankaranarayanan K. **Mutat Res** 35(3):387–414, Jun 76
Trisomy and triploidy induced by X-irradiation of mouse spermatocytes. Szemere G, et al. **Mutat Res** 33(2–3):229–38, Dec 75
A comparative study of the frequencies of radiation-induced chromosome aberrations in somatic and germ cells of the Rhesus monkey (Macaca mulatta). van Buul PP. **Mutat Res** 36(2):223–36, Aug 76
Divergent X-ray-induced mutation rates in the mouse for H and '7-locus' groups of loci. Kohn HI, et al. **Nature** 259(5540):209–10, 22 Jan 76
Embryonic development and induced dominant lethality in F eggs of Chilo partellus Swinhoe. Bughio AR. **Radiat Res** 67(2):299–304, Aug 76
Response of stem cells in the mouse testis to fission neutrons of 1 MeV mean energy and 300 kV x rays. Methodology, dose-response studies, relative biological effectiveness. de Ruiter-Bootsma AL, et al. **Radiat Res** 67(1):56–68, Jul 76
Effect of x irradiation on spermatogonia at the fish, Oryzias latipes. Hyodo-Taguchi Y, et al. **Radiat Res** 67(2):324–31, Aug 76
Cytogenetical studies on the effects of high natural radiation levels in Tityus bahiensis (Scorpiones, Buthidae) from Morro do Ferro, Brazil. Takahashi CS. **Radiat Res** 67(2):371–81, Aug 76
Dominant lethals following acute spermatogonial X-irradiation in the rat. Baev I, et al. **Strahlentherapie** 151(4):382–5, Apr 76
[X-Irradiation of mature Drosophila sperm: mutation rates after insemination of aged and freshly produced eggs] Bürki K. **Arch Genet (Zur)** 47(2):105–26, 1974 (Eng. Abstr.) **(Ger)**
[Meiotic disorders as apparent cause of abnormal spermatozoa] Stolla R, et al. **Verh Anat Ges** 68:117–21, 1974 (Eng. Abstr.) **(Ger)**
[Diploid radiation gynogenesis in carp. I. Massive production of diploid gynogenetic progeny] Cherfas NB. **Genetika** 11(7):78–86, 1975 (Eng. Abstr.) **(Rus)**
[Effect of pulse and prolonged x-rays in air and in nitrogen on the frequency of sex-linked recessive lethal mutations in Drosophila melanogaster] Khaĭmovich TI, et al. **Genetika** 11(5):57–62, 1975 (Eng. Abstr.) **(Rus)**
[Effect of pulse and prolonged x-rays in air and in nitrogen on the frequency of sex-linked recessive lethal mutations in Drosophila melanogaster] Khaĭmovich TI, et al. **Genetika** 11(5):57–62, 1975 (Eng. Abstr.) **(Rus)**
[The effect of cystamine on the outcome of dominant lethal mutations and reciprocal translocations in sex cells of mice subjected to gamma-irradiation in different doses] Pomerantseva MD, et al. **Genetika** 10(7):55–61, 1975 (Eng. Abstr.) **(Rus)**
[The mutagenic effect of different types of irradiation on the sex cells of male mice. VIII. Frequency of development of reciprocal translocations in the spermatogonia of mice subjected to chronic gamma-irradiation] Pomeratseva MD, et al. **Genetika** 11(3):81–6, 1975 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A study on the different types of spermatogonia in buffalo (Bubalus bubalis). Dhingra LD, et al. **Acta Anat (Basel)** 93(2):219–27, 1975
The anatomy of the spermatozoon after 300 years. Fawcett DW. **Acta Anat Nippon** 50(6):326–7, Dec 75
The ultrastructure of the spermatozoon of the drake. II. Tail. Maretta M. **Acta Vet Acad Sci Hung** 25(1):53–60, 1975
The ultrastructure of the spermatozoon of the drake. I. Head. Maretta M. **Acta Vet Acad Sci Hung** 25(1):47–52, 1975
Structural abnormalities in the middle piece of the drake's spermatozoon tail. Maretta M. **Acta Vet Acad Sci Hung** 25(2–3):245–50, 1975
Anchoring device between Sertoli cells and late spermatids in rat seminiferous tubules. Russell L, et al. **Anat Rec** 185(3):259–78, Jul 76
The ultrastructure of a characteristic spermhead-defect in the boar: the SME-defect. Blom E, et al. **Andrologia** 7(3):199–209, 1975
Ultrastructural observations on the differentiation of spermatids in man. Holstein AF. **Andrologia** 8(2):157–65, 1976
Separation of X- and Y-bearing human spermatozoa with the sephadex gel-filtration method. Steeno O, et al. **Andrologia** 7(2):95–7, 1975
Fine structure of the canal system joining sister gametocytes in Tetrodontophora bielanensis (Waga/Collembola: Apterygota). Krzysztofowicz A, et al. **Ann Med Sect Pol Acad Sci** 20(2):89–90, 1975
The ultrastructure of the aflagellate spermatozoon of the freshwater turbellarian Hydrolimax grisea (Platyhelminthes: Plagiostomidae). Newton WD. **Biol Bull** 149(3):551–67, Dec 75
The head, neck and midpiece of cock spermatozoa examined with the transmission electron microscope. Bakst MR, et al. **Biol Reprod** 12(5):632–40, Jun 75
Ultrastructure of epididymal spermatozoa of the Asiatic Musk Shrew, Suncus murinus. Green JA, et al. **Biol Reprod** 14(3):327–31, Apr 76
Use of spin labels and electron spin resonance spectroscopy to characterize membranes of bovine sperm: effect of butylated hydroxytoluene and cold shock. Hammerstedt RH, et al. **Biol Reprod** 14(4):381–97, May 76
Sulfhydryl groups on the spermatozoa membrane. A study with a new fluorescent probe for SH groups. Mercado E, et al. **Biol Reprod** 14(5):632–40, Jun 76
Isolation and characterization of the fibrous sheath of rat epididymal spermatozoa. Olson GE, et al. **Biol Reprod** 14(5):517–30, Jun 76
Absence of arms in the axoneme of immobile human spermatozoa. Pedersen H, et al. **Biol Reprod** 12(5):541–4, Jun 75
Isolation and characterization of the cytoplasmic droplet in the rat. Roberts ML, et al. **Biol Reprod** 14(4):421–4, May 76
Membrane damage to immunologically immobilized rabbit spermatozoa visualized by immunofluorescence and scanning electron microscopy. Russo J, et al. **Biol Reprod** 13(2):136–41, Sep 75
Chromosomal abnormalities and the morphology of mouse sperm heads. Wyrobek AJ, et al. **Can J Genet Cytol** 17(4):675–81, Dec 75
Comparative scanning electron microscope study of boar, bull and ram spermatozoa. Bustos-Obregon E, et al. **Cell Tissue Res** 161(3):329–41, 25 Aug 75
Spermiogenesis in the teleost Gambusia affinis with particular reference to the role played by microtubules. Grier HJ. **Cell Tissue Res** 165(1):89–102, 29 Dec 75
Ultrastructural changes in spermatozoa of the brush-tailed possum, Trichosurus vulpecula (Marsupialia), during epididymal transit. Part I: The flagellum. Harding HR, et al. **Cell Tissue Res** 164(1):121–32, 26 Nov 75
Inhibitor induced alterations of chromatoid bodies in male germ line cells of Xenopus laevis. Kalt MR, et al. **Cell Tissue Res** 161(2):193–210, 18 Aug 75
A scanning electron microscopic study of rabbit spermatozoa in the female reproductive tract following coitus. Motta P, et al. **Cell Tissue Res** 163(1):29–44, 17 Nov 75
The early development of the tail and the transformation of the shape of the nucleus of the spermatid of the domestic fowl, Gallus gallus. Okamura F, et al. **Cell Tissue Res** 169(3):345–59, 28 Jun 76
Chromosome-associated paracrystalline nuclear inclusions in the spermatocytes of a pulmonate snail, Planorbarius corneus L. Bottke W. **Chromosoma** 55(3):273–87, 12 May 76
Anaphase transport of akinetochoric fragments in tipulid spermatocytes. Electron microscopic observations on fragment-spindle interactions. Fuge H. **Chromosoma** 52(2):149–58, 26 Sep 75
Ultrastructure of cytoplasmic nucleolus-like bodies and nuclear RNP particles in late prophase of tipulid spermatocytes. Fuge H. **Chromosoma** 56(4):363–79, 30 Jul 76
Fine structural alterations in the developing spermatids of Musca domestica induced by the PCB, Aroclor 1254. Youssef NN, et al. **Cytobios** 11(43–44):167–83, 1974
Pachytene mapping of the male Chinese hamster. Pathak S, et al. **Cytogenet Cell Genet** 17(1):1–8, 1976
Silver methenamine and phosphotungstic acid staining of the acrosome of Mytilus edulis. Endo S. **Exp Cell Res** 100(1):71–8, Jun 76
Spindle formation and cleavage in Xenopus eggs injected with centriole-containing fractions from sperm. Maller J, et al. **Exp Cell Res** 99(2):285–94, May 76
Changes sperm culei during sperimogensis and epidymal maturation. Meistrich ML, et al. **Exp Cell Res** 99(1):72–8, Apr 76
Nuclear pores in the spermatozoon of the rat. Mortimer D, et al. **Experientia** 32(1):104–6, 15 Jan 76
The subunit structure of sea urchin sperm chromatin: a kinetic approach. Spadafora C, et al. **FEBS Lett** 57(1):79–82, 1 Sep 75
Round-headed human spermatozoa. Anton-Lamprecht I, et al. **Fertil Steril** 27(6):685–93, Jun 76
Ultrastructural study of separated cell and acrosomal membranes from bull spermatozoa. Multamäki S, et al. **Fertil Steril** 26(9):932–8, Sep 75
Disappearance of the manchette from the drake spermatid. Maretta M. **Folia Morphol (Praha)** 23(3):256–60, 1975
Observations on the developing tail of the drake spermatid. Maretta M. **Folia Morphol (Praha)** 24(1):73–8, 1976
Electron microscopic study of the membranes of bull spermatozoa and spermatids, with reference to the postacrosomal cap and the basal knobs. Zibrín M. **Folia Morphol (Praha)** 24(1):20–8, 1976
Scanning electron microscopy of baboon spermatozoa. Fléchon JE, et al. **Folia Primatol (Basel)** 26(1):24–35, 1976
The form and function of spermatozoa: a comparative view. pp. 3–14. Anderson WA, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973. (74 ref.)
Motility patterns in sperms with different tail structure. pp. 141–50. Baccetti B, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Joined spermatozoa. pp. 259–66. Bawa SR.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Sperm diversity within the species. pp. 319–27. Beatty RA.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
On the functional significance of –S–S– crosslinks in sperm heads with particular reference to eutherian mammals. pp. 343–7. Bedford JM.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973. (16 ref.)
Gametic diversity within an ejaculate. pp. 329–39. Cohen J.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
The acrosomal region and the beginning of fertilization in the holothurian, Thyone briareus. pp. 27–38. Colwin AL, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
New models of aflagellate arthropod spermatozoa. pp. 279–87. Dallai R, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
The fine structure of the acrosomal trigger. pp. 39–45. Dan JC, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Morphogenesis of the mammalian sperm acrosome in new perspective. pp. 199–210. Fawcett DW.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
The subacrosomal space of golden-hamster sperm. pp. 89–95. Franklin LE.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Sperm ultrastructure in some polychaeta. pp. 267–78. Franzén A.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Functional aspects of flatworm sperm morphology. pp. 299–309. Hendelberg J.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973. (57 ref.)
The ultrastructure of spermatozoa from some hystricomorph rodents. pp. 251–8. Jones RC.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Changes in the fine structure of the guinea-pig sperm head following experimental treatment. pp. 105–14. Koehler JK.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Spermiogenesis and spermatozoa of the Elopomorpha (teleost fish). pp. 211–21. Mattei C, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Molecular aspects of the fertility factors in Drosophila. pp. 69–75. Meyer GF, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
A portrait of the sperm. pp. 79–82. Nilsson L.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Mammalian sperm motility—structure in relation to function. pp. 117–26. Phillips DM, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.
Experimentally induced nuclear changes during spermateleosis. pp. 385–90. Plöen L.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3

WE429 v.23 1973.

Development of the neck region and the ring during spermiogenesis of Discoglossus pictus (anuran amphibia). pp. 237–47. Sandoz D.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Ultrastructural observations on spermiogenesis in the fungus gnat, Rhynchosciara sp. pp. 223–36. Shay JW.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The fine structure of 9 + 1 flagella in turbellarian flatworms. pp. 289–98. Silveira M.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The sperm cells of Pantodon (Teleostei) with a note on residual body formation. pp. 311–8. van Deurs B.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Changes in the spermatozoon during fertilization in Triturus helveticus Raz. pp. 47–56. Werner G.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The rat sperm tail after fixation by freeze–substitution. pp. 177–87. Woolley DM.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

The structural and cytochemical bases for vertebrate and invertebrate sperm motility. pp. 151–9. Yasuzumi G, et al.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

A new approach to stem cell research in spermatogenesis. pp. 303–10. Moens PB, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

The glycocalyx in human spermatozoa: a cytochemical study. pp. 223–30. Hernandez–Jauregui P, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Ultrastructure of the Mongolian gerbil spermatozoon (Meriones unguiculatus). pp. 189–203. Majumdar SK, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Morphological aspects of the spermatozoan cytoplasmic droplet in some plethodontid salamanders. pp. 243–7. Murphy JA, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Spermiogenesis in equisetum, with special reference to the ontogeny of the vierergruppe and spline. pp. 249–67. Polette T, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Spermiogenesis in the nine–banded armadillo. pp. 169–88. Weaker FJ.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Manchette microtubules of mouse spermatids and their resistance to pepsin digestion. pp. 205–22. Wolosewick JJ, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Backscattered electron imaging of nuclei in rat testis. pp. 409–16. Vogel G, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

The behavior of chromosomal axes during male meiotic prophase. pp. 91–9. Solari AJ.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (31 ref.)

The ultrastructural relationships between Sertoli cells and spermatogenic cells in the rat. Kaya M, et al. **J Anat** 121(2):279–90, Apr 76

Sperm aster in rabbit zygotes: its structure and function. Longo FJ. **J Cell Biol** 69(3):539–47, Jun 76

The polymerization of actin. II. How nonfilamentous actin becomes nonrandomly distributed in sperm: evidence for the association of this actin with membranes. Tilney LG. **J Cell Biol** 69(1):51–72, Apr 76

The polymerization of actin. III. Aggregates of nonfilamentous actin and its associated proteins: a storage form of actin. Tilney LG. **J Cell Biol** 69(1):73–89, Apr 76

The arrangement of germ cells in the rat seminiferous tubule: an electron–microscope study. Moens PB, et al. **J Cell Sci** 19(3):487–507, Dec 75

Cleavage initiation activities of microtubules and in vitro reassembled tubulins of sperm flagella. Iwamatsu T, et al. **J Exp Zool** 195(1):97–106, Jan 76

Single–strand nuclease action on heat–denatured spermiogenic chromatin. Hunter JD, et al. **J Histochem Cytochem** 24(8):901–7, Aug 76

Immersion fixation of rapidly frozen, untreated tissues and suspensions of cells including spermatozoa. Cummins JM, et al. **J Microsc (Oxf)** 104(2):121–5, Jul 75

The fine structure of the sperm of a holothurian and an ophiuroid. Fontaine AR, et al. **J Morphol** 148(2):209–26, Feb 76

The recognition and incidence of haploid and polyploid spermatozoa in man, rabbit and mouse. Carothers AD, et al. **J Reprod Fertil** 44(3):487–500, Sep 75

The frequency of aneuploidy in the secondary spermatocytes of normal and Robertsonian translocation–carrying rams. Chapman HM, et al. **J Reprod Fertil** 45(2):333–42, Nov 75

The ultrastructure of knobbed bull spermatozoa. Cran DG, et al. **J Reprod Fertil** 47(2):407–8, Jul 76

Spatial distribution of chromosomes 1 and Y in human spermatozoa. Geraedts JP, et al. **J Reprod Fertil** 45(3):515–7, Dec 75

Proceedings: Ultrastructure of the mid–piece of the spermatozoon in the marsupial, Trichosurus vulpecula. Harding HR, et al. **J Reprod Fertil** 46(2):501, Mar 76

Isolation and characterization of the perforatorium of rat spermatozoa. Olson GE, et al. **J Reprod Fertil** 47(2):293–7, Jul 76

The fine structure of the glycocalyx of equine spermatozoa: a high–resolution cytochemical study. Hernández–Jáuregui P, et al. **J Reprod Fertil [Suppl]** (23):91–4, Oct 75

Sliding filaments in sperm flagella. Douglas GJ. **J Theor Biol** 53(2):247–52, Sep 75

The spermatozoon of arthropoda. XXVII. Uncommon axoneme patterns in different species of the cecidomyid flies. Baccetti B, et al. **J Ultrastruct Res** 55(1):50–69, Apr 76

The spermatozoon of peracarida. I. The spermatozoon of terrestrial isopods. Cotelli F, et al. **J Ultrastruct Res** 55(3):378–90, Jun 76

Ultrastructure of sperm penetration of house fly eggs. Degrugillier ME, et al. **J Ultrastruct Res** 56(3):312–25, Sep 76

Analysis of birefringence and ultrastructure of spindles in primary spermatocytes of Nephrotoma suturalis during anaphase. LaFountain JR Jr. **J Ultrastruct Res** 54(3):333–46, Mar 76

Electron microscopic study of postcytokinetic cell fusion in an autosomal male sterile mutant (ms(2)3R) of Drosophila melanogaster. Laughran LJ, et al. **J Ultrastruct Res** 56(1):21–30, Jul 76

Nuclear shaping during spermiogenesis in the whip scorpion. Phillips DM. **J Ultrastruct Res** 54(3):397–405, Mar 76

The structure of the 9 + 1 axonemal core as revealed by treatment with trypsin. Thomas MB. **J Ultrastruct Res** 52(3):409–22, Sep 75

Dynamics of spermiogenesis in Drosophila melanogaster. VI. Significance of 'onion' nebenkern formation. Tokuyasu KT. **J Ultrastruct Res** 53(1):93–112, Oct 75

Fine structure of the multiple sperm syncytium in the boar testes. Kojima Y, et al. **Jpn J Vet Sci** 37(6):555–68, Dec 75

Isolation of subfractionation of mammalian sperm heads and tails. Calvin HI. **Methods Cell Biol** 13:85–104, 1976 (60 ref.)

Selective staining of rodent acrosomes with phosphotungstic acid. Stockert JC, et al. **Mikroskopie** 31(1–2):36–41, Apr 75

Proceedings: Chromosome analysis in spermatocytes of mice and Chinese hamsters. Adler ID. **Mutat Res** 29(2):256, Aug 75

Tests for heritable translocations in male mammals. Léonard A. **Mutat Res** 31(5):291–8, Oct 75

Proceedings: Chromosome analysis in spermatogonia of mammals. Miltenburger HG, et al. **Mutat Res** 29(2):255–6, Aug 75

Y chromosome visibility in quinacrine–stained human spermatozoa. Roberts AM, et al. **Nature** 262(5568):493–4, 5 Aug 76

Acrosomal chromocentre in newt spermiogenesis. Schmid M, et al. **Nature** 257(5529):795–7, 30 Oct 75

Scanning electron microscope studies of turkey semen. Marquez BJ, et al. **Poult Sci** 54(4):1139–42, Jul 75

The relationship between microtubules and chromatin in spermatids of Acrididae. Fonzo S, et al. **Protoplasma** 85(2–4):193–7, 1975

The molecular basis of flagellar motility in sea urchin spermatozoa. Gibbons IR. **Soc Gen Physiol Ser** 30:207–32, 1975

Cylindrical organelles associated with microtubules during sperm elongation in a mealybug. Ross J. **Tissue Cell** 7(3):525–34, 1975

Scanning electron microscopy: towards a better diagnostic tool for examination of human spermatozoa. Bustos–Obregón E. **Verh Anat Ges** 69:739–42, 1975

Spermatogenesis in free living mite, Pergamasus viator Halas (Parasitidae, Mesostigmata). I. Fine structure of spermatozoa. Witalinski W. **Z Mikrosk Anat Forsch** 89(1):1–17, 1975

Ultrastructure of water buffalo (Bos bubalis) spermatozoa. Heath E, et al. **Zentralbl Veterinaermed [A]** 23(2):106–20, Mar 76

[Abnormalities in the acrosome structure of drake spermatozoa] Maretta M. **Vet Med (Praha)** 20(4):227–30, Apr 75 (Eng. Abstr.) **(Cze)**

[Abnormal shapes of drake's spermatozoon nucleus] Maretta M. **Vet Med (Praha)** 20(7):427–32, Jul 75 (Eng. Abstr.) **(Cze)**

[Ultrastructural study of anomalies of the acrosome in spermatozoa with irregular heads] Bisson JP, et al. **Bull Assoc Anat (Nancy)** 59(165):345–56, Jun 75 (Eng. Abstr.) **(Fre)**

[Ultrastructure of spermatozoa. In 2 cases of asthenospermia with teratospermia] Bisson JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(1):65–73, Jan–Feb 74 (Eng. Abstr.) **(Fre)**

[Mitochondrial grouping in germ cells of cyprinid teleostean fish. I. Ultrastructural study] Clérot JC. **J Ultrastruct Res** 54(3):461–75, Mar 76 (Eng. Abstr.) **(Fre)**

[Spermatogenesis in Acanthocephala. I. The centriolar and flagellar apparatus during spermiogenesis in Illiosentis furcatus var. africana Golvan, 1956 (Paleacanthocephala, Rhadinorhynchidae)] Marchand B, et al. **J Ultrastruct Res** 54(3):347–58, Mar 76 **(Fre)**

[Spermatogenesis in Acanthocephala. II. Variation in the number of central fibers of sperm flagella in Acanthosentis tilapiae Baylis, 1947 (Eoacanthocephala, Quadrigyridae)] Marchand B, et al. **J Ultrastruct Res** 55(3):391–9, Jun 76 (Eng. Abstr.) **(Fre)**

[Study on the spermatozoa of Hirudinea with the negative staining technic] Wissocq JC, et al. **J Ultrastruct Res** 52(3):340–61, Sep 75 (Eng. Abstr.) **(Fre)**

[Electron microscope study of spermatogenesis in two cestodes acanthobothrium filicolle benedenii Loennberg, 1889 and Onchobothrium uncinatum (Rud., 1819) (Tetraphyllidea, Onchobothriidae) (author's transl)] Maamouri FM, et al. **Z Parasitenkd** 47(4):269–81, 31 Oct 75 (Eng. Abstr.) **(Fre)**

[Electron microscopic study of spermatogenesis in Turbanella cornuta Remane (Gastrotricha)] Teuchert G. **J Ultrastruct Res** 56(1):1–14, Jul 76 (Eng. Abstr.) **(Ger)**

[The influence of different glycerol concentrations on the conservation of structure of unfixed and fixed boar spermatozoa investigated by freeze–etching (author's transl)] Rovan E, et al. **Mikroskopie** 31(1–2):23–35, Apr 75 **(Ger)**

[Comparative morphological studies on acrosome structure] Breuckler H. **Verh Anat Ges** 68:187–90, 1974 (Eng. Abstr.) **(Ger)**

[Ultramicroscopic studies on the seminiferous tubule in children from birth to puberty. I. Spermatogonia development] Seguchi H, et al. **Verh Anat Ges** 68:133–48, 1974 (Eng. Abstr.) **(Ger)**

[Morphological studies on abnormal human spermatids and spermatozoa (author's transl)] Holstein AF. **Virchows Arch [Pathol Anat]** 367(2):93–112, 17 Jul 75 (Eng. Abstr.) **(Ger)**

[Mutagenic effect of different types of radiation on the sex cells of male mice. VIII. Frequency of development of reciprocal translocations in the spermatogonia of mice subjected to chronic gamma radiation] Pomerantseva MD, et al. **Genetika** 11(3):81–6, 1975 (Eng. Abstr.) **(Rus)**

[Possible participation of the centromeric ring in formation of sex cell nuclei] Mosolov AN, et al. **Tsitol Genet** 10(1):8–11, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in boar spermatozoa during freezing–thawing] Shapiev ISh. **Tsitologiia** 17(7):856–8, Jul 75 (Eng. Abstr.) **(Rus)**

SPERMICIDAL AGENTS see **SPERMATOCIDAL AGENTS**

SPERMIDINE

ANALOGS & DERIVATIVES

Glutathionylspermidine in Escherichia coli. Tabor H, et al. **Ital J Biochem** 25(1):70–6, Jan–Feb 76

Effects of polyamines on in vitro dna synthesis by DNA polymerases from calf thymus. Yoshida S, et al. **J Biochem (Tokyo)** 79(5):895–901, May 76

Letter: Acetylspermidines in human urine. Abdel–Monem MM, et al. **Lancet** 2(7946):1210, 13 Dec 75

ANALYSIS

Elevated spermidine and spermine levels in the blood of psoriasis patients. Proctor MS, et al. **J Invest Dermatol** 65(4):409–11, Oct 75

BIOSYNTHESIS

Subcellular distribution of S–adenosylmethionine decarboxylase in rat liver. Evidence of decarboxylation of S–adenosylmethionine separate from synthesis of spermidine. Sturman JA. **Biochim Biophys Acta** 428(1):56–69, 25 Mar 76

Polyamine metabolism in a rat brain tumor cell line: its relationship to the growth rate. Heby O, et al. **J Cell Physiol** 86(3 Pt 1):511–21, Dec 75

Effect of methylglyoxal bis (guanylhydrazone) (MGBG) in vivo on the decarboxylation of s–adenosylmethionine and synthesis of spermidine in the rat and guinea pig. Sturman JA. **Life Sci** 18(8):879–86, 15 Apr 76

BLOOD

Distribution of spermidine and spermine in blood from cystic fibrosis patients and control subjects. Cohen LF, et al. **Blood** 48(3):469–75, Sep 76

Changes in serum putrescine and spermidine levels following local radiation to hepatoma 3924A of the rat. Russell DH, et al. **Cancer Res** 36(2 Pt 1):420–3, Feb 76

Fluctuations of unbound whole blood polyamine levels during the menstrual cycle. Lundgren DW, et al.

Proc Soc Exp Biol Med 152(1):81–5, May 76

METABOLISM

1,4–Diaminobutane (putrescine), spermidine, and spermine. Tabor CW, et al. **Annu Rev Biochem** 45:285–306, 1976 (293 ref.)

Cyclic change in polyamine concentrations in sea urchin eggs related with cleavage cycle. Kusunoki S, et al. **Biochem Biophys Res Commun** 68(3):881–5, 9 Feb 76

Inhibition of ornithine decarboxylase activity and spermidine accumulation in regenerating rat liver. Pösö H, et al. **Biochem Biophys Res Commun** 69(4):885–92, 19 Apr 76

The synthesis and accumulation of polyamines in reproductive organs of the rat during pregnancy. Guha SK, et al. **Biochim Biophys Acta** 437(1):244–52, 23 Jun 76

Polyamines and ornithine decarboxylase activity during growth and differentiation in Blastocladiella emersonii. Mennucci L, et al. **Biochim Biophys Acta** 404(2):249–56, 9 Oct 75

Association of ribosomal subunits: studies on the binding of polyamines to 30S and 50S particles. Garcia–Patrone M, et al. **FEBS Lett** 66(1):39–43, 1 Jul 76

The distribution and metabolism of putrescine, spermidine and spermine injected into the cerebral ventricles of rabbits. Halliday CA, et al. **J Neurochem** 26(6):1199–205, Jun 76

The uptake of spermidine and spermine by slices of mouse cerebral hemispheres. Pateman AJ, et al. **J Neurochem** 25(3):341–5, Sep 75

Polyamine metabolism in the brain and liver of the developing monkey. Sturman JA, et al. **J Neurochem** 25(3):267–72, Sep 75

Interconversion of putrescine, spermidine and spermine in goldfish and rat retina. Sturman JA, et al. **Life Sci** 19(5):719–24, 1 Sep 76

Increased cellular levels of spermidine or spermine are required for optimal DNA synthesis in lymphocytes activated by concanavalin A. Fillingame RH, et al. **Proc Natl Acad Sci USA** 72(10):4042–5, Oct 75

Alpha–methyl ornithine, a potent competitive inhibitor of ornithine decarboxylase, blocks proliferation of rat hepatoma cells in culture. Mamont PS, et al. **Proc Natl Acad Sci USA** 73(5):1626–30, May 76

PHARMACODYNAMICS

Stimulation of in vitro transcription of T4 DNA by the polyamine spermidine. Nuss DL, et al. **Arch Biochem Biophys** 169(2):513–21, Aug 75

Adenylate cyclases in physarum polycephalum: inhibition of a nuclear enzyme by polyamines. Atmar VJ, et al. **Biochem Biophys Res Commun** 68(2):561–8, 26 Jan 76

Effect of polyamines on the electrokinetic properties of red blood cells. Chun PW, et al. **Biochem Biophys Res Commun** 69(4):1095–101, 19 Apr 76

Dependency of spermidine stimulation of polypeptide synthesis on the uracil content of messenger ribonucleic acid. Igarashi K, et al. **Biochem Biophys Res Commun** 67(1):407–13, 3 Nov 75

Activation of casein synthesis by prostaglandins plus spermidine in mammary gland explants of mice. Rillema JA. **Biochem Biophys Res Commun** 70(1):45–9, 3 May 76

Polyamines can replace the dialyzable component from crude reticulocyte initiation factors. Salden M, et al. **Biochem Biophys Res Commun** 68(1):157–61, 12 Jan 76

Regulation of ornithine decarboxylase in 3T3 cells by putrescine and spermidine: indirect evidence for translational control. Clark JL, et al. **Biochemistry** 14(20):4403–9, 7 Oct 75

DNA–dependent RNA polymerases I and II from kidney. Effect of polyamines on the in vitro transcription of DNA and chromatin. Jänne O, et al. **Biochemistry** 14(16):3589–97, 12 Aug 75

Diacridines: bifunctional intercalators. II. The biological effects of putrescine, sperimidine and spermine diacridines on HeLa cells and on the L–1210 and P–388 leukemia cells. Canellakis ES, et al. **Biochim Biophys Acta** 418(3):290–9, 5 Feb 76

The interdependence of magnesium with spermidine and phosphoenolpyruvate in an enzyme–synthesizing system in vitro. Fuchs E. **Eur J Biochem** 63(1):15–22, 16 Mar 76

Kinetics and effect of salts and polyamines on T4 polynucleotide ligase. Raae AJ, et al. **Eur J Biochem** 60(2):437–43, 15 Dec 75

Influence of agents that act on DNA and RNA synthesis on the activity of poly(ADP–Rib) polymerase. Müller WE, et al. **Experientia** 31(9):1014–5, 15 SEP 75

Insulin–like effect of some polyamines on lipoprotein lipase from rat adipose tissue. Giudicelli Y, et al. **FEBS Lett** 62(1):74–6, 1 Feb 76

Translation of alfalfa mosaic virus RNA. Effect of polyamines. Thang MN, et al. **FEBS Lett** 61(1):85–90, 01 Jan 76

Effects of polyamines on in vitro dna synthesis by DNA polymerases from calf thymus. Yoshida S, et al. **J Biochem (Tokyo)** 79(5):895–901, May 76

Effects of polyamines on the central nervous system. Sakurada T, et al. **Jpn J Pharmacol** 25(6):653–61, Dec 75

Polyamines and platelet aggregation. Rennert O, et al. **Life Sci** 19(2):257–63, 15 Jul 76

Inhibition of the polyadenylation reaction in vitro by polyamines. Rose KM, et al. **Nahrung** 20(1):748–53, 1976

Compact form of DNA induced by spermidine. Gosule LC, et al. **Nature** 259(5541):333–5, 29 Jan 76

The actions of spermidine and spermine on the central nervous system. Anderson DJ, et al. **Neuropharmacology** 14(8):571–7, Aug 75

The effect of spermidine and spermine on proliferation in vitro of fibroblasts from normal and cystic fibrosis patients. Gahl WA, et al. **Pediatr Res** 10(5):531–5, May 76

[Correlations between cellular organic polycations and the electrical activity of sensory receptor formations] Rapuzzi G, et al. **Arch Sci Biol (Bologna)** 58(1–4):37–48, Jan–Dec 74 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Physiology of the natural polyamines putrescine, spermidine and spermine. Raina A, et al. **Med Biol** 53(3):121–47, Jun 75 (171 ref.)

SPERMINE

Letter to the editor: The polyuridylic acid complex with polyamines: an x-ray fiber diffraction observation. Zimmerman SB. **J Mol Biol** 101(4):563–5, 15 Mar 76

ANALOGS & DERIVATIVES

Microbial transformation of aspidospermine. Lin SK, et al. **J Pharm Sci** 64(12):2021–2, Dec 75

ANALYSIS

Elevated spermidine and spermine levels in the blood of psoriasis patients. Proctor MS, et al. **J Invest Dermatol** 65(4):409–11, Oct 75

BIOSYNTHESIS

Adenosylmethionine decarboxylase from various organisms: relation of the putrescine activation of the enzyme to the ability of the organism to synthesize spermine. Pösö H, et al. **Biochem Biophys Res Commun** 68(1):227–34, 12 Jan 76

Polyamine metabolism in a rat brain tumor cell line: its relationship to the growth rate. Heby O, et al. **J Cell Physiol** 86(3 Pt 1):511–21, Dec 75

BLOOD

Distribution of spermidine and spermine in blood from cystic fibrosis patients and control subjects. Cohen LF, et al. **Blood** 48(3):469–75, Sep 76

Fluctuations of unbound whole blood polyamine levels during the menstrual cycle. Lundgren DW, et al. **Proc Soc Exp Biol Med** 152(1):81–5, May 76

METABOLISM

1,4–Diaminobutane (putrescine), spermidine, and spermine. Tabor CW, et al. **Annu Rev Biochem** 45:285–306, 1976 (293 ref.)

Cyclic change in polyamine concentrations in sea urchin eggs related with cleavage cycle. Kusunoki S, et al. **Biochem Biophys Res Commun** 68(3):881–5, 9 Feb 76

The synthesis and accumulation of polyamines in reproductive organs of the rat during pregnancy. Guha SK, et al. **Biochim Biophys Acta** 437(1):244–52, 23 Jun 76

The distribution and metabolism of putrescine, spermidine and spermine injected into the cerebral ventricles of rabbits. Halliday CA, et al. **J Neurochem** 26(6):1199–205, Jun 76

The uptake of spermidine and spermine by slices of mouse cerebral hemispheres. Pateman AJ, et al. **J Neurochem** 25(3):341–5, Sep 75

Polyamine metabolism in the brain and liver of the developing monkey. Sturman JA, et al. **J Neurochem** 25(3):267–72, Sep 75

Interconversion of putrescine, spermidine and spermine in goldfish and rat retina. Sturman JA, et al. **Life Sci** 19(5):719–24, 1 Sep 76

Increased cellular levels of spermidine or spermine are required for optimal DNA synthesis in lymphocytes activated by concanavalin A. Fillingame RH, et al. **Proc Natl Acad Sci USA** 72(10):4042–5, Oct 75

PHARMACODYNAMICS

Arrested differentiation of erytrhocytes in spermine–treated chick embryos. Pilikian S, et al. **Acta Embryol Exp (Palermo)** (1):51–61, 1976

Adenylate cyclases in physarum polycephalum: inhibition of a nuclear enzyme by polyamines. Atmar VJ, et al. **Biochem Biophys Res Commun** 68(2):561–8, 26 Jan 76

Effect of polyamines on the electrokinetic properties of red blood cells. Chun PW, et al. **Biochem Biophys Res Commun** 69(4):1095–101, 19 Apr 76

Modification of the metabolism of rat epididymal spermatozoa by spermine. Pulkkinen P, et al. **Biochem Biophys Res Commun** 67(2):714–22, 17 Nov 75

Polyamines can replace the dialyzable component from crude reticulocyte initiation factors. Salden M, et al. **Biochem Biophys Res Commun** 68(1):157–61, 12 Jan 76

Regulation of ribonucleic acid synthesis by polyamines. Reversal by spermine of inhibition by methylglyoxal bis(guanylhydrazone) of ribonucleic acid synthesis and histone acetylation in rabbit heart. Caldarera CM, et al. **Biochem J** 152(1):91–8, Oct 75

DNA–dependent RNA polymerases I and II from kidney. Effect of polyamines on the in vitro transcription of DNA and chromatin. Jänne O, et al. **Biochemistry** 14(16):3589–97, 12 Aug 75

Diacridines: bifunctional intercalators. III. Definition of the general site of action. Canellakis ES, et al. **Biochim Biophys Acta** 418(3):300–14, 5 Feb 76

Diacridines: bifunctional intercalators. II. The biological effects of putrescine, sperimidine and spermine diacridines on HeLa cells and on the L–1210 and P–388 leukemia cells. Canellakis ES, et al. **Biochim Biophys Acta** 418(3):290–9, 5 Feb 76

Stimulation of RNA polymerases I, II and III from rat liver by spermine, and specific inhibition of RNA polymerase I by higher spermine concentrations. Jacob ST, et al. **Biochim Biophys Acta** 425(1):125–8, 18 Feb 76

Kinetics and effect of salts and polyamines on T4 polynucleotide ligase. Raae AJ, et al. **Eur J Biochem** 60(2):437–43, 15 Dec 75

Influence of agents that act on DNA and RNA synthesis on the activity of poly(ADP–Rib) polymerase. Müller WE, et al. **Experientia** 31(9):1014–5, 15 SEP 75

Insulin–like effect of some polyamines on lipoprotein lipase from rat adipose tissue. Giudicelli Y, et al. **FEBS Lett** 62(1):74–6, 1 Feb 76

Translation of alfalfa mosaic virus RNA. Effect of polyamines. Thang MN, et al. **FEBS Lett** 61(1):85–90, 01 Jan 76

Alcohol, amino acids, and albumin synthesis. II. Alcohol inhibition of albumin synthesis reversed by arginine and spermine. Oratz M, et al. **Gastroenterology** 71(1):123–7, Jul 76

Valyl–transfer RNA formation stimulated by monovalent cations and spermine in rat liver. Romano M, et al. **Ital J Biochem** 25(3):245–50, May–Jun 76

Effects of polyamines on in vitro dna synthesis by DNA polymerases from calf thymus. Yoshida S, et al. **J Biochem (Tokyo)** 79(5):895–901, May 76

Effects of polyamines on the central nervous system. Sakurada T, et al. **Jpn J Pharmacol** 25(6):653–61, Dec 75

Polyamines and platelet aggregation. Rennert O, et al. **Life Sci** 19(2):257–63, 15 Jul 76

Inhibition of the polyadenylation reaction in vitro by polyamines. Rose KM, et al. **Nahrung** 20(1):748–53, 1976

The actions of spermidine and spermine on the central nervous system. Anderson DJ, et al. **Neuropharmacology** 14(8):571–7, Aug 75

The effect of spermidine and spermine on proliferation in vitro of fibroblasts from normal and cystic fibrosis patients. Gahl WA, et al. **Pediatr Res** 10(5):531–5, May 76

[Correlations between cellular organic polycations and the electrical activity of sensory receptor formations] Rapuzzi G, et al. **Arch Sci Biol (Bologna)** 58(1–4):37–48, Jan–Dec 74 (Eng. Abstr.) **(Ita)**

Reaction of human heterochromatin and euchromatin to spermine] Potoki LV. **Biull Eksp Biol Med** 79(6):98–101, Jun 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physiology of the natural polyamines putrescine, spermidine and spermine. Raina A, et al. **Med Biol** 53(3):121–47, Jun 75 (171 ref.)

SPERMINE SYNTHASE see under **TRANSFERASES**

SPHAERIALES see under **ASCOMYCETES**

SPHAEROPHORUS see under **BACTEROIDACEAE**

SPHAEROPHORUS INFECTIONS

Necrobacillosis in kangaroos. pp. 511–8. Finnie EP. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

PATHOLOGY

Pathological changes produced by Fusobacterium necrophorum in experimental infection of mice. Abe PM, et al. **J Comp Pathol** 86(3):365–9, Jul 76

SPHAEROPHORUS NECROPHORUS see **FUSOBACTERIUM NECROPHORUM**

SPHAEROTILUS

The Sphaerotilus–Leptothrix group. Dondero NC. **Annu Rev Microbiol** 29:407–28, 1975

GROWTH & DEVELOPMENT

Measurement of growth and iron deposition in Sphaerotilus discophorus. Rogers SR, et al. **J Bacteriol** 126(1):257–63, Apr 76

METABOLISM

Role of iron deposition in Sphaerotilus discophorus. Rogers SR, et al. **J Bacteriol** 126(1):264–71, Apr 76

SPHENOID BONE

Proceedings: Diagnosis and clinical picture of meningiomas of the sphenoid wing. Kienecker EW, et al. **Acta Neurochir (Wien)** 31(3–4):281, 1975

Proceedings: Post–operative rehabilitation of patients with sphenoid wing meningiomas. Leitholf O. **Acta Neurochir (Wien)** 31(3–4):290, 1975

Haemangiomatous malformation of the orbito–sphenoidal region: cure by radiotherapy. Miller D, et al.

Aust NZ J Surg 46(1):67–9, Feb 76
Cranial bony changes in ocular neurofibromatosis. Shoukry I, et al. **Bull Ophthalmol Soc Egypt** 67:283–305, 1974
Radical resection and reconstruction in spheno–ethmoidal–orbital tumors. Report of 3 cases. Columella F, et al. **J Neurosurg Sci** 18(3):198–205, Jul–Sep 74
Cerebrospinal fluid rhinorrhea via the fossa of Rosenmuller. Jaffe B, et al. **Laryngoscope** 86(7):903–7, Jul 76
[Ocular signs of spheno–occipital chordomas. A propos of a case] Adenis JP, et al. **Rev Otoneuroophtalmol** 47(2):129–33, Mar–Apr 75 **(Fre)**
[Case of giant meningioma of the small wing of the sphenoid bone in a 9–year–old boy] Bojarski Z, et al. **Neurol Neurochir Pol** 9(5):671–4, Sep–Oct 75 (Eng. Abstr.) **(Pol)**
[Methodology of surgical intervention for meningiomas of the medial portions of the wings of the sphenoid bone] Zozulia IuA, et al. **Vopr Neirokhir** (5):11–7, Sep–Oct 75 **(Rus)**
[Foreign body of fire–arm origin in the pterygopalatine fossa] Naimagon NL. **Zh Ushn Nos Gorl Bolezn** (2):112–4, Mar–Apr 75 **(Rus)**

ABNORMALITIES

Spheno–pharyngeal meningocele and cleft palate. Case report with 12–year follow–up. Lewin ML. **Cleft Palate J** 13:61–73, Jan 76
Unilateral proptosis due to congenital absence of the sphenoidal wing: a case report. Dinakar I, et al. **Indian Pediatr** 12(3):279–81, Mar 75
[A persistent craniopharyngeal canal combined with a meningoencephalocele (author's transl)] Richter E, et al. **HNO** 23(8):240–5, Aug 75 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Deviations in the route of the greater petrosal nerve for the needs of 'videctomy'. Kukwa A, et al. **Acta Otolaryngol (Stockh)** 81(5–6):503–6, May–Jun 76
Further observations on the pharyngeal hypophysis and the postsphenoid in the mature male rat. McGrath P. **J Anat** 121(1):193–201, Feb 76
[Pterygoid process and its inclination] Thilloy G, et al. **Orthod Fr** 45(1):441–8, 1974 **(Fre)**

GROWTH & DEVELOPMENT

The effect of rhombencephalic hypoplasia on posterior cranial base elongation in rodents. Moss ML. **Arch Oral Biol** 20(8):489–92, Aug 75

INJURIES

Transorbital removal of intracranial foreign body in middle fossa. Fein W, et al. **Ann Ophthalmol** 8(1):89–92, Jan 76
Osteotomy of the pterygomaxillary junction. Wikkeling OM, et al. **Int J Oral Surg** 4(3):99–103, Jul 75

INNERVATION

[Indications for vidian neurectomy] Charachon R, et al. **J Fr Otorhinolaryngol** 24(10):769–72, 775, Dec 75 **(Fre)**
[Surgery of the vidian nerve] Magnan J, et al. **J Fr Otorhinolaryngol** 24(8):581–90, Oct 75 (52 ref.) **(Fre)**

PHYSIOLOGY

[Bone statics of the face: the frontal–sphenoid–pterygoid bone pillars as biomechanic equivalents of the mandible] Couly G. **Rev Stomatol Chir Maxillofac** 76(8):607–19, Dec 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Rarifaction of dorsum sellae with osteolytic sphenoidal ridge meningioma. Mortada A. **Bull Ophthalmol Soc Egypt** 68:505–12, 1975
Hypoplastic optic nerves studied with B–scan ultrasonography and axial tomography of the optic canals. Boynton JR, et al. **Can J Ophthalmol** 10(4):473–81, Oct 75
Physiological variations in X–ray appearance of the optic foramen. Kommerell L, et al. **Mod Probl Ophthalmol** 14:103–9, 1975

SURGERY

[Surgery of hypophyseal tumors by the trans=sphenoid approach. apropos of 164 cases] Haguenauer JP, et al. **Acta Otorhinolaryngol Belg** 29(7):1085–100, 1975 **(Fre)**
[Pterygomaxillary disjunctions. Anatomo–surgical and radiologic studies of 100 experimental disjunctions] Couly G, et al. **Rev Stomatol Chir Maxillofac** 77(1):260–7, Jan–Feb 76 **(Fre)**

SPHENOID SINUS

Pneumosinus dilatans of the sphenoid sinus. Williams JP, et al. **Bull Los Angeles Neurol Soc** 40(2):45–8, Apr 75
Aspergillosis of sphenoid sinus. Sood VP, et al. **Eye Ear Nose Throat Mon** 54(12):454–7, Dec 75
Secondary neuroblastoma of the sphenoidal sinus. Crysdale WS, et al. **J Laryngol Otol** 90(7):703–5, Jul 76
Fibrous dysplasia of the sphenoid sinus in an adolescent male. Faraci RP, et al. **J Surg Oncol** 7(6):461–5, 1975
Primary osteoma of the sphenoid sinus. Mikaelian DO, et al. **Laryngoscope** 86(5):728–33, May 76
Chronic inflammatory lesions of the sphenoid sinus. Benton JS, et al. **Surg Neurol** 4(3):333–5, Sep 75
Aneurysmal bone cyst of the sphenoid sinus. Delorit GJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):438–43, Sep–Oct 75
Primary inverting papilloma of the sphenoid sinus. Edison BD. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):434–7, Sep–Oct 75
[Clinical manifestation of muco– and pyocele of the sphenoid and ethmoid sinuses (author's transl)] Ono Y, et al. **Neurol Surg (Tokyo)** 3(8):681–9, Aug 75 (Eng. Abstr.) **(Jpn)**
[A case of the meningioma of right frontal sinus, ethmoidal cells and sphenoid sinus] Moszyński B, et al. **Otolaryngol Pol** 30(1):81–7, 1976 **(Pol)**

RADIOGRAPHY

Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion; technical note. Tator CH, et al. **J Neurosurg** 44(2):254–7, Feb 76
Preoperative laminagraphic evaluation of the sphenoid sinus for transsphenoidal surgery. Rothman SL, et al. **Laryngoscope** 85(12 pt 1):1986–98, Dec 75
Aspergillosis involving the sphenoid sinus. Weinstein M, et al. **Neuroradiology** 11(3):137–9, 16 Jul 76
Air–fluid levels in the sphenoid sinus in epistaxis and nasal packing. Ogawa TK, et al. **Radiology** 118(2):351–4, Feb 76
[On metric X–ray anatomy of sphenoid sinus (author's transl)] Bugyi .B. **Radiol Diagn (Berl)** 15(4):479–82, 1974 (Eng. Abstr.) **(Ger)**

SURGERY

Instrument guide for sphenoidal and trans–sphenoidol operations. Steel A. **J Laryngol Otol** 89(8):869–71, Aug 75
Surgery for chronic hyperplastic rhinosinusitis. Friedman WH. **Laryngoscope** 85(12 pt 1):1999–2011, Dec 75
Current adjuncts for surgery of the sphenoid sinus and pituitary gland. Calcaterra TC, et al. **Trans Pac Coast Otoophthalmol Soc** 56:105–13, 1975
[Transsphenoidal hypophysectomy in metastasizing breast cancers. Experience from 160 cases] Hardy J, et al. **Nouv Presse Med** 4(33):2387–90, 11 Oct 75 (Eng. Abstr.) **(Fre)**
[Surgery on the ethmoid and sphenoid sinuses — a critical appraisal (author's transl)] Kastenbauer ER. **Laryngol Rhinol Otol (Stuttg)** 54(10):808–19, Oct 75 (Eng. Abstr.) **(Ger)**

SPHEROCYTES see under **ERYTHROCYTES, ABNORMAL**

SPHEROCYTOSIS, HEREDITARY

see related
ANEMIA, SIDEROBLASTIC

Hereditary spherocytosis. Bellingham AJ, et al. **Clin Haematol** 4(1):139–44, Feb 75 (17 ref.)
[Editorial: New research in hereditary spherocytosis] Livne A, et al. **Harefuah** 90(3):140–1, 1 Feb 76 **(Heb)**
[Anemic type of spherocytic hemolytic jaundice: Langley–Felderhof syndrome?] Chini V. **Minerva Med** 66(64):3305–14, 29 Sep 75 **(Ita)**
[Diagnosis and treatment of congenital microspherocytic hemolytic anemia (Minkowski–Chauffard syndrome)] Poluektov LV, et al. **Klin Khir** (9):52–4, 1975 **(Rus)**
[Clinico–laboratory parallels in hereditary spherocytosis in children] Mamatieva AA. **Pediatriia** (6):60–5, Jun 75 (Eng. Abstr.) **(Rus)**
[Hereditary spherocytosis – development peculiarities in 9 families] Sadikario A, et al. **God Zb Med Fak Skopje** 17:93–101, 1971 (Eng. Abstr.) **(Ser)**

BLOOD

Defective membrane phosphorylation in red cells of a patient with hereditary spherocytosis. Yawata Y, et al. **Acta Haematol Jpn** 38(3):311–4, Jun 75
Herediatary spherocytosis. A review. Weed RI. **Arch Intern Med** 135(10):1316–23, Oct 75
Studies on protein kinase activity and the binding of adenosine 3'5–monophosphate by membranes of hereditary spherocytosis erythrocytes. Zail SS, et al. **Biochem Biophys Res Commun** 66(3):1078–86, 6 Oct 75
Abnormal parachloromercuriphenylsulfonate–sensitive cation channel in the erythrocytes of hereditary spherocytosis. Kitao T, et al. **Blood** 47(4):651–5, Apr 76
Elevated microviscosity in membranes of erythrocytes affected by hereditary spherocytosis. Aloni B, et al. **Br J Haematol** 31(1):117–23, Sep 75
Hypocholesterolaemia and anaemia. Westerman MP. **Br J Haematol** 31(1):87–94, Sep 75
Erythropoiesis inhibitor in a patient with hereditary spherocytosis. Lazewska M, et al. **Haematologia (Budap)** 9(1–2):59–63, 1975
Increased erythrocyte Ca2+ content in hereditary spherocytosis. Feig SA, et al. **Pediatr Res** 9(12):928–31, Dec 75
The topology of red cell membrane lipids in hereditary spherocytosis. Zail SS, et al. **S Afr J Med Sci** 40(3):67–72, 1975
Hereditary spherocytosis: a study of splenectomized persons. Schilling RF. **Semin Hematol** 13(3):169–76, Jul 76
[Spleen erythrocyte pool in hereditary spherocytoses and autoimmune haemolytic anaemias (author's transl)] Friedmann B, et al. **Cas Lek Cesk** 115(8):238–42, 27 Feb 76 (Eng. Abstr.) **(Cze)**
[Potassium ion dependent aggregation of protein from erythrocyte membrane of a normal proband and a patient with hereditary spherocytosis] pp. 415–7. Engelhardt R, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie–Verlag, 1975. W3 IN9848G 1973s. (Ger)
[Anemia (with splenomegaly since childhood): congenital spherocytosis (with special reference to abnormalities of erythrocyte membrane proteins] Ishigami S, et al. **Jpn J Clin Med** Spec No:986–7, 1518–21, 10 Apr 75 **(Jpn)**

COMPLICATIONS

Spinal cord disease in hereditary spherocytosis: report of two cases with a hypothesized common mechanism for neurologic and red cell abnormalities. McCann SR, et al. **Blood** 48(2):259–63, Aug 76
[Familial spino–cerebellar ataxia with megalocornea and stomatocytosis (author's transl)] Gallai V, et al. **Riv Patol Nerv Ment** 95(5):481–94, Oct 74 (Eng. Abstr.) **(Ita)**
[A case of hereditary spherocytosis with nephrotic syndrome. The effect of serum cholesterol on the lipids of red cell membrane (author's transl)] Takase A, et al. **Jpn J Clin Hematol** 16(1):35–8, Jan 75 (Eng. Abstr.) **(Jpn)**
[Cholelithiasis in a 9–year–old girl with spherocytosis] Sroczyńska M, et al. **Pol Tyg Lek** 31(5):193–4, 2 Feb 76 (Eng. Abstr.) **(Pol)**
[Serological incompatibility caused by E antigen of the Rh system sensitization in an infant with hereditary spherocytosis] Ciepielewska D, et al. **Wiad Lek** 28(23):1935–7, 1 Dec 75 **(Pol)**

ENZYMOLOGY

Absence of one component of spectrin adenosine triphosphatase in hereditary spherocytosis. Kirkpatrick FH, et al. **Blood** 46(6):945–54, Dec 75
Study of a kindred with hereditary spherocytosis and glyceraldehyde–3–phosphate dehydrogenase deficiency. McCann SR, et al. **Blood** 47(2):171–81, Feb 76

FAMILIAL & GENETIC

Localization of spherocytosis to chromosome 8 or 12 and report of a family with spherocytosis and a reciprocal translocation. Kimberling WJ, et al. **Am J Hum Genet** 27(5):586–94, Sep 75
[Genetic observations on hereditary spherocytosis in some family groups in a region of Mantova north of the Po and/in the province of Parma] Lucchetti E, et al. **Ateneo Parmense [Acta Biomed]** 46(4):285–97, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Immunological studies in children before and after splenectomy. Andersen V, et al. **Acta Paediatr Scand** 65(4):409–15, Jul 76
Reaction of lymphocytes to phytohemagglutinin in vitro in hereditary microspherocytosis. Polkowska–Kulesza E, et al. **Pol Med Sci Hist Bull** 15(2):221–4, Apr–Jun 76

PATHOLOGY

Cyclic nucleotide–membrane protein interaction in the regulation of erythrocyte shape and survival: defect in hereditary spherocytosis. pp. 235–54. Jacob HS, et al.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.

PHYSIOPATHOLOGY

Red cell velocity and plasma transit time in the cerebral microcirculation of spherocytic deer mice. Rosenblum WI. **Circ Res** 39(3):452–4, Sep 76

SURGERY

Hereditary spherocytosis with hemolytic crisis during pregnancy. Treatment by splenectomy. Moore A, et al. **Obstet Gynecol** 47(1):19S–21S, Jan 76

THERAPY

[Surgical treatment of congenital hemolytic anemia in children] Lapina SP. **Vestn Khir** 116(4):117–22, Apr 76 (Eng. Abstr.) **(Rus)**

SPHEROPLASTS

Frequency of infection and efficiency of transfection of Rhizobium meliloti cells and spheroplasts. Staniewski R, et al. **Acta Microbiol Pol [A]** 8(3):151–60, 1975
Bacterial characteristics determining the potential host range of bacteriophage T4. Dawes J. **J Bacteriol** 127(2):1024–5, Aug 76
[Spheroplasts of Torulopsis candida yeasts and their oxidizing activity] Sudovtsov VE. **Mikrobiologiia** 44(1):178–80,

Jan–Feb 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Fractionation by differential and zonal centrifugation of spheroplasts prepared from a glucose-repressed fission yeast Schizosaccharomyces pombe 972h–. Poole RK, et al. **J Gen Microbiol** 93(2):241–50, Apr 76

CYTOLOGY

Polybase induced lysis of yeast spheroplasts. A new gentle method for preparation of vacuoles. Dürr M, et al. **Arch Microbiol** 105(3):319–27, 7 Nov 75

DRUG EFFECTS

Spheroplasts of Haemophilus influenzae induced by cell wall-active antibiotics and their effect upon the interpretation of susceptibility tests. Bottone EJ, et al. **Antimicrob Agents Chemother** 9(2):327–33, Feb 76

Principles and limits of the sequential use of antimicrobial agents with special reference to Haemophilus influenzae spheroplasts. pp. 52–66. Yourassowsky E, et al. **In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.** (85 ref.)

[Mechanism of the stimulating effect of protamines on the infectivity of DNA phages] Moiseeva TF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):84–7, Apr 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Investigations on production of spheroplasts in different species of the genus Haemophilus isolated from pathological material of the respiratory tract (author's transl)] Hansen W, et al. **Pathol Biol (Paris)** 24(4):241–3, Apr 76 (Eng. Abstr.) **(Fre)**

[Electron microscopic and biochemical study of spheroplasts of the blue-green alga Anabaena variabilis] Baulina OI, et al. **Mikrobiologiia** 44(1):132–5, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Production of spheroplasts from Pseudomonas aeruginosa] Trutko SM. **Mikrobiologiia** 44(1):127–31, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

METABOLISM

The transport of S-adenosyl-L-methionine in isolated yeast vacuoles and spheroplasts. Schwencke J, et al. **Eur J Biochem** 65(1):49–60, 17 May 76

[Comparative study of the functions of the spheroplasts and cells of the blue-green alga Anabaena variabilis] Korzhenevskaia TG, et al. **Mikrobiologiia** 44(3):485–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An efficient and reproducible procedure for the formation of spheroplasts from variously grown Escherichia coli. Witholt B, et al. **Anal Biochem** 74(1):160–70, Jul 76

In vitro spheroplast and L-form induction within the pathogenic nocardiae. Bourgeois L, et al. **J Bacteriol** 127(1):584–94, Jul 76

Cytogenetic demonstration of mitotic chromosomes in the yeast Saccharomyces cerevisiae. Wintersberger U, et al. **Mol Gen Genet** 142(1):13–7, 23 Dec 75

[Method for producing spheroplasts from yeast cells] Luchkina LA, et al. **Prikl Biokhim Mikrobiol** 11(2):264–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

SPHINGOLIPIDOSIS

Sphingolipid errors in mentally retarded south Indian children—I. Joshua GE, et al. **Indian J Med Res** 63(11):1521–41, Nov 75

[Inborn error of glycolipid metabolism] Suzuki Y. **Clin Endocrinol (Tokyo)** 23(9):885–91, Sep 75 (27 ref.) **(Jpn)**

DIAGNOSIS

Simple ultra-microtechniques for genetic complementation analysis and early prenatal diagnosis of sphingolipidoses. Hösli P. **Adv Exp Med Biol** 68:1–13, 1976

Rectal biopsy in the diagnosis of neurological disease in childhood. Smith P, et al. **Br J Surg** 63(4):313–6, Apr 76

Antenatal diagnosis of sphingolipid and mucopolysaccharide storage diseases. Lowden JA, et al. **Can Med Assoc J** 113(6):507–11, 20 Sep 75

[Enzyme diagnostics in lysosomal diseases with emphasis on sphingolipidoses] Dreyfus JC, et al. **Arch Fr Pediatr** 32(6):503–14, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Enzyme replacement therapy for the sphingolipidoses. Brady RO, et al. **Adv Exp Med Biol** 68:523–32, 1976

Chemical models and chemotherapy in the sphingolipidoses. Radin NS. **Adv Exp Med Biol** 68:453–72, 1976

ENZYMOLOGY

Ultrastructure and peroxidase of leucocytes in five patients with juvenile form of ceroid lipofuscinoses. Haust MD, et al. **Adv Exp Med Biol** 68:413–27, 1976

Specificities of the two genetically distinct beta-galactosidases in human sphingolipidoses. Tanaka H, et al. **Arch Biochem Biophys** 175(1):332–40, Jul 76

[Genetic study of GM2 gangliosidosis (Tay-Sachs and Sandhoff) by the study of the hexosaminidases of the Sandhoff-rodents hybrids (mouse and hamster)] Weil D, et al. **Ann Genet (Paris)** 18(3):163–8, Sep 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Glycoprotein catabolism in brain tissue in the lysosomal enzyme deficiency diseases. Brunngraber EG, et al. **Adv Exp Med Biol** 68:31–48, 1976 (69 ref.)

Sphingolipidoses and allied disorders. Crocker AC. **Adv Exp Med Biol** 68:585–9, 1976

Preparation and use of labeled glycoconjugates of the sphingolipids. pp. 993–9. Tallman JF. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.**

[Sphingolipid storage disease as an example of a molecular neuropathology (author's transl)] Jatzkewitz H, et al. **Arch Psychiatr Nervenkr** 221(3):213–25, 30 Apr 76 (Eng. Abstr.) **(Ger)**

[A case of sphingolipidosis with accumulation of various lipids in different organs and multiple enzymatic changes in the liver] Giardini O, et al. **Minerva Pediatr** 27(39):2188–94, 15 Dec 75 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Ultrastructural studies in fetal I-cell disease. Abe K, et al. **Pediatr Res** 10(7):669–76, Jul 76

SPHINGOLIPIDS

Isolation and structural studies of a sulfated sialosphingolipid from the sea urchin Echinocardium cordatum. Kochetkov NK, et al. **Biochim Biophys Acta** 424(2):274–83, 23 Feb 76

Comparative studies on chemical, hemolytic and diffusion-in-gel precipitation properties of various lysosphingolipids. Taketomi T, et al. **Biochim Biophys Acta** 424(1):106–13, 22 Jan 76

Long chain base and fatty acid compositions of equine kidney sphingolipids. Hara A, et al. **J Biochem (Tokyo)** 78(3):527–36, Sep 75

Chemical and hemolytic properties of sphingolipids modified by ozonolysis and reduction. Uemura K, et al. **J Biochem (Tokyo)** 79(6):1253–61, Jun 76

Distribution of positional isomers of monoenoic fatty acids in pig-brain white matter sphingolipids. Pullarkat RK, et al. **J Neurochem** 27(1):321–2, Jul 76

ANALYSIS

Sphingolipids of influenza viruses. Huang RT. **Biochim Biophys Acta** 424(1):90–7, 22 Jan 76

Branched long-chain bases from the bivalve Corbicula sandai. Sugita M, et al. **Chem Phys Lipids** 16(1):1–8, Feb 76

Further study on cerebral sphingolipids including gangliosides in two cases of juvenile amaurotic family idiocy (Spielmeyer-Vogt type) using a new analytical procedure of sphingolipids. Kawamura N, et al. **Jpn J Exp Med** 45(6):489–500, Dec 75

[Investigations on the structure of the sphingolipids of the genus Bacteroides (author's transl)] Fritsche D. **Zentralbl Bakteriol [Orig A]** 233(1):64–71, Sep 75 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Regulation of cerebroside and sulphatide synthesis in myelin deficient mice. pp. 1031–42. Mandel P, et al. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.**

Sphingolipid base metabolism. Stereospecific uptake of proton in the enzymatic conversion of sphinganine 1-phosphate to ethanolamine 1-phosphate. Shimojo T, et al. **J Biol Chem** 251(14):4448–7, 25 Jul 76

METABOLISM

Sphingolipid base metabolism. Sphinganine-1-phosphate lyase: identification of ethanolamine 1-phosphate as product. Shimojo T, et al. **Biochim Biophys Acta** 431(3):433–46, 22 Jun 76

Low molecular weight proteins in secondary lysosomes as activators of different sphingolipid hydrolases. Mraz W, et al. **FEBS Lett** 67(1):104–9, 1 Aug 76

Sphingolipid metabolism in Bacteroideaceae. Stoffel W, et al. **Hoppe Seylers Z Physiol Chem** 356(6):715–25, Jun 75

Disturbances of myelination in neonatally thyroidectomized rat brains. pp. 69–78. Tsujimura R, et al. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

Preparation and use of labeled glycoconjugates of the sphingolipids. pp. 993–9. Tallman JF. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.**

Sphingolipid base metabolism. Partial purification and properties of sphinganine kinase of brain. Louie DD, et al. **J Biol Chem** 251(15):4557–64, 10 Aug 76

Rat brain beta-galactosidases: observations on cerebroside-beta-galactosidase catalysed transgalactosylation and comparison of assay methods for sphingolipid hydrolysis. Carter TP, et al. **J Neurochem** 27(1):53–62, Jul 76

[Proceedings: Type II mucolipidosis. Discussion of the physiopathol problem apropos of a new case] Farriaux JP, et al. **Arch Fr Pediatr** 32(3):294–5, Mar 75 **(Fre)**

THERAPEUTIC USE

Chemical models and chemotherapy in the sphingolipidoses. Radin NS. **Adv Exp Med Biol** 68:453–72, 1976

SPHINGOMYELIN PHOSPHODIESTERASE see under **PHOSPHODIESTERASES**

SPHINGOMYELINS

Phospholipid concentrations in amniotic fluid from diabetic pregnant women. Skjaeraasen J, et al. **Acta Obstet Gynecol Scand** 55(3):225–32, 1976

A calorimetric study of the thermotropic behavior of aqueous dispersions of natural and synthetic sphingomyelins. Barenholz Y, et al. **Biochemistry** 15(11):2441–7, 1 Jun 76

Structural studies of biological membranes and related model systems by Raman spectroscopy. Sphingomyelin and 1,2-dilauroyl phosphatidylethanolamine. **Biochim Biophys Acta** 413(3):329–40, 16 Dec 75

Permeability and integrity properties of lecithin-sphingomyelin liposomes. Hertz R, et al. **Chem Phys Lipids** 15(2):138–56, Nov 75

An x-ray investigation of the effect of psychoactive drugs on the lamellar structure of sphingomyelin. Khare RS, et al. **Indian J Biochem Biophys** 11(4):327–30, Dec 74

Influence of psychoactive drugs on the circular dichroism spectra of lyotropic dispersions of sphingomyelin. Khare RS, et al. **Indian J Biochem Biophys** 11(4):331–4, Dec 74

ANALYSIS

Influence of intrauterine haemolysis on the amniotic fluid phospholipid concentration. Skjaeraasen J, et al. **Acta Obstet Gynecol Scand** 54(4):319–23, 1975

Respiratory distress syndrome with mature lecithin/sphingomyelin ratios: diabetes mellitus and low Apgar scores. Cruz AC, et al. **Am J Obstet Gynecol** 126(1):78–82, 1 Sep 76

Accurate measurement of lecithin and sphingomyelin after ultra-rapid chromatographic separation. Cusick CF. **Ann Clin Biochem** 13(3):379–83, May 76

Lecithin/sphingomyelin ratio in hypopharyngeal aspirate of newborn infants. Barr PA, et al. **Arch Dis Child** 50(11):856–61, Nov 75

A method for determination of lecithin/sphingomyelin ratio in amniotic fluid. Singh EJ, et al. **Arch Gynaekol** 218(3):169–71, 29 Jul 75

High-performance liquid chromatography of phosphatidylcholine and sphingomyelin with detection in the region of 200 nm. Jungalwala FB, et al. **Biochem J** 155(1):55–60, 1 Apr 76

A more specific indicator for use in the determination of amniotic fluid lecithin/sphingomyelin ratios. Sass NL, et al. **Biochem Med** 15(2):217–9, Apr 76

Influence of labour on the lecithin, lecithin/sphingomyelin (L/S) ratio and palmitic acid values in the amniotic fluid. Cabero L, et al. **Br J Obstet Gynaecol** 83(6):452–3, Jun 76

The benefits and risks of amniocentesis for the assessment of fetal lung maturity. Rome RM, et al. **Br J Obstet Gynaecol** 82(8):662–68, Aug 75

The use of the amniotic fluid lecithin/sphingomyelin (L/S) ratio, creatinine concentration and nile blue sulphate tests, individually and in combination, in the assessment of fetal lung maturity. Rome RM, et al. **Br J Obstet Gynaecol** 83(6):441–6, Jun 76

The lecithin/sphingomyelin (L/S) ratio in twin pregnancies. Sims CD, et al. **Br J Obstet Gynaecol** 83(6):447–51, Jun 76

Colour stabilization of stained phospholipid spots in the determination of the amniotic fluid lecithin/sphingomyelin ratio. Blau K. **Clin Chim Acta** 64(2):217–8, 15 Oct 75

A study of the lecithin/sphingomyelin ratio of amniotic fluid. Gebhardt DO, et al. **Clin Chim Acta** 64(2):133–42, 15 Oct 75

A simple and rapid determination of the lecithin/sphingomyelin (LS) ratio in amniotic fluids and in pharyngeal aspirates of newborn infants. Stuber A, et al. **Clin Chim Acta** 70(2):221–6, 15 Jul 76

Fetal lung maturity. pp. 135–45. Gluck L, et al. **In: Adamsons K, Fox HA, ed. Preventability of perinatal injury. New York, Liss, 1975. W1 PR668E v.2 1975.**

Unconjugated cortisol in human amniotic fluid: relationship to lecithin/sphingomyelin ratio. Tan SY, et al. **J Clin Endocrinol Metab** 43(2):412–8, Aug 76

Tracheal aspirate lecithin/sphingomyelin ratios as predictors of recovery from respiratory distress syndrome. Kanto WP Jr, et al. **J Pediatr** 89(4):612–6, Oct 76

Amniotic fluid and fetal maturity. Zuspan FP, et al. **J Reprod Med** 16(1):39–43, Jan 76

Letter: Gastric-aspirate lecithin/sphingomyelin ratio. McClure G, et al. **Lancet** 2(7945):1155, 6 Dec 75

Letter: Lecithin/sphingomyelin ratios and sex incidence of respiratory-distress syndrome. Pearson R. **Lancet**

1(7966):960, 1 May 76
Letter: Lecithin/sphingomyelin ratio in tracheal aspirate. Pearson R. **Lancet** 1(7973):1352, 19 Jun 76
Letter: Lecithin/sphingomyelin ratio in tracheal aspirate. Peleg D, et al. **Lancet** 1(7970):1188, 29 May 76
Pharyngeal lecithin/sphingomyelin ratios in newborn infants. Weller PH, et al. **Lancet** 1(7949):12–4, 3 Jan 76
Predicting respiratory distress by thin-layer chromatography of the newborn gastric aspirate. Armstrong D, et al. **Obstet Gynecol** 48(1):35–9, Jul 76
The lecithin/sphingomyelin ratio in a high-risk obstetric population. Aubry RH, et al. **Obstet Gynecol** 47(1):21–7, Jan 76
Amniotic fluid volume, total phospholipids concentratio, and L/S ratio in term pregnancies. Caspi E, et al. **Obstet Gynecol** 46(5):584–7, Nov 75
Fetal lung maturatio. III. Amniotic fluid phosphatidic acid phosphohydrolase (PAPase) and its relation to the lecithin/sphingomyelin ratio. Jimenez JM, et al. **Obstet Gynecol** 46(5):588–90, Nov 75
A safe method of amniocentesis for lecithin/sphingomyelin determination in late pregnancy using ultrasound. Picker RH, et al. **Obstet Gynecol** 47(6):722–4, Jun 76
[Evaluation of the maturity of the fetal lungs by determining the lecithin/sphingnomyelin correlation in the amniotic fluid via Clements' foam test] Smilov I, et al. **Akush Ginekol (Sofiia)** 14(6):429–35, 1975 (Eng. Abstr.) **(Bul)**
[The lecithin–sphynogomyelin ratio in the amniotic fluid in insulin dependent diabetic pregnancies] Tchobroutsky C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(1):93–8, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[A simple method for evaluation of the lecithin/sphingomyelin ratio in amniotic fluid. Variation in normal and abnormal pregnancies (138 cases) (author's transl)] Legrand A, et al. **Pathol Biol (Paris)** 24(2):160–5, Feb 76 (Eng. Abstr.) **(Fre)**
[Lecithin–sphingomylein quotient and HCS in the amniotic fluid] Wortmann W, et al. **Arch Gynaekol** 219(1–4):387–8, 18 Nov 75 **(Ger)**
[New chromatographic method for evaluation of fetal pulmonary maturity] Lamedica GM, et al. **Ann Ostet Ginecol Med Perinat** 96(6):407–17, Nov–Dec 75 (Eng. Abstr.) **(Ita)**
[Phospholipids in the amniotic fluid. Their usefullness in repeated cesarean section] Villanueva Reynoso C, et al. **Ginecol Obstet Mex** 39(234):277–85, Apr 76 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Effect of propylthiouracil-induced hypothyroidism on phosphatidylcholine, phosphatidylethanolamine, and sphingomyelin synthesis in chick liver microsomes. Lyman EM, et al. **Can J Biochem** 54(1):15–21, Jan 76
Biosynthesis of sphingomyelin in rat liver endoplasmic reticulum. Lyman EM, et al. **Can J Biochem** 54(4):358–64, Apr 76
Lipids in tissues of the eye XI. Synthesis of sphingomyelin in the calf lens. Roelfzema H, et al. **Exp Eye Res** 22(1):85–94, Jan 76

DIAGNOSTIC USE

Clinical usefulness of the lecithin/sphingomyelin ratio determined by visual means in predicting hyaline membrane disease. Woodruff LF Jr, et al. **J Tenn Med Assoc** 69(5):330–3, May 76

ISOLATION & PURIFICATION

[Isolation, purification and characterization of sphingomyelin from 'Entomophthora coronata' strains being pathogen for man (author's transl)] de Bièvre C. **Ann Microbiol (Paris)** 125(4):471–87, Dec 74 (Eng. Abstr.) **(Fre)**

METABOLISM

Pressure volume curves of lamb lungs and the lecithin–sphingomyelin ratios of lung fluid. Egberts J, et al. **Biol Neonate** 27(3–4):208–20, 1975
Effect of dipyridamole on human platelet phospholipids. Aznar J, et al. **Experientia** 32(5):644–5, 15 May 76
Proceedings: Kinetic aspects of the stimulation of enzymatic hydrolysis of sphingomyelin by triton x-100. Yedgar S, et al. **Isr J Med Sci** 11(11):1172, Nov 75
The lecithin/spingomyelin quotient as determined using a modified method and human placental lactogen in the amniotic fluid] Wortmann W, et al. **Zentralbl Gynaekol** 98(12):729–35, 1976 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Chemical induction of lysosomal storage. Philippart M, et al. **Adv Exp Med Biol** 68:473–93, 1976
Effects of lipids on the stability of lysosomes in vitro. I. Effects of egg lecithin, lysolecithin, sphingomyelin, and cholesterol on the stability of isolated aortic and hepatic lysosomes of swine. Kwak YS, et al. **Exp Mol Pathol** 23(2):266–75, Oct 75

SPHINGOSINE

ANALOGS & DERIVATIVES

Chemical pathology of Krabbe disease: the occurrence of psychosine and other neutral sphingoglycolipids. Vanier M, et al. **Adv Exp Med Biol** 68:115–26, 1976
Rearrangement of 3-ketoceramide. Kishimoto Y, et al. **Chem Phys Lipids** 15(1):27–32, Sep 75
New derivatives for the analysis of sphingosine long-chain bases by gas-liquid chromatography-mass spectrometry. Gaskell SJ, et al. **J Chromatogr** 122:415–23, 7 Jul 76

ANALYSIS

A novel fluorimetric determination of sphingosine. Choi YS, et al. **Jpn J Exp Med** 45(2):113–6, Apr 75

METABOLISM

Recent observations on Gaucher's disease. Kanfer JN, et al. **Adv Exp Med Biol** 68:77–98, 1976
Studies on the pathogenesis of Krabbe's leukodystrophy: cellular reaction of the brain to exogenous galactosylsphingosine, monogalactosyl diglyceride, and lactosylceramide. Suzuki K, et al. **Adv Exp Med Biol** 68:99–114, 1976

PHARMACODYNAMICS

The effects of N-hexyl-O-glucosyl sphingosine on normal cultured human fibroblasts: a chemical model for Gaucher's disease. Warren KR, et al. **J Lipid Res** 17(2):132–8, Mar 76

SPICES see under **CONDIMENTS**

SPIDER BITE see **ARACHNIDISM**

SPIDERS

The colour polymorphism in Enoplognatha ovatum (Clerck) (araneae: theridiidae)—temporal stability and spatial variability. Oxford GS. **Heredity (Lond)** 36(3):369–81, Jun 76
Discrete and discontinuous action of brown widow spider venom on the presynaptic nerve terminals of frog muscle. Castillo JD, et al. **J Physiol (Lond)** 252(2):491–508, Nov 75
Letter: Attempted suicide by black widow spider bite. Fisher DP. **JAMA** 235(25):2718–9, 21 Jun 76
Spiders of the genus Loxosceles in Australia. Southcott RV. **Med J Aust** 1(12):406–8, 20 Mar 76
Black widow spider venom: effect of purified toxin on lipid bilayer membranes. FINKELSTEIN A, et al. **Science** 193(4257):1009–11, 10Sep 76
Partial characterization of the low molecular weight fractions of the extract of the venom apparatus of the brown recluse spider and of its hemolymph. Geren CR, et al. **Toxicon** 13(4):233–8, Aug 75
A direct acting adrenergic component of the venom of the Sydney funnel-web spider, Atrax robustus. Morgans D, et al. **Toxicon** 14(3):185–9, 1976
Isolation of a neurotoxin with A presynaptic action from the venom of the black widow spider (Latrodectus mactans, Fabr.). Ornberg RL, et al. **Toxicon** 14(4):329–33, 1976
[Studies on the Sexual Behavior of Cyrtophora cicatrosa (Stoliczka)(Araneae, Araneidae)] BLANKE VR. **Z Tierpsychol** 37(1):62–74, Feb 75 (Eng. Abstr.) **(Ger)**
[Basic analysis of the effective system of homing in spider Agelena labyrinthica (Cl.)] Dornfeldt K. **Z Tierpsychol** 38(3):267–93, Oct 75 (Eng. Abstr.) **(Ger)**
[In vitro activity of the venom and other components of Loxosceles laeta on human and animal erythrocytes (author transl)] Knierim F, et al. **Bol Chil Parasitol** 30(1–2):43–6, Jan–Jun 75 (Eng. Abstr.) **(Spa)**
[Notes on the biology and geographical distribution of spiders of the genus Loxosceles (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 30(1–2):27–9, Jan–Jun 75 (Eng. Abstr.) **(Spa)**
[Some data on the venomous apparatus of Loxosceles laeta and toxicity of its venom on diverse animal species (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 30(1–2):37–42, Jan–Jun 75 (Eng. Abstr.) **(Spa)**
[Sympathomimetic effects of Lactrodectus poison] Dagrosa EE, et al. **Rev Soc Argent Biol** 48–49(1–8):16–23, Apr 72–Nov 73 (Eng. Abstr.) **(Spa)**

ANALYSIS

Isolation and characterization of toxins from brown recluse spider venom (Loxosceles reclusa). Geren CR, et al. **Arch Biochem Biophys** 174(1):90–9, May 76
purified Grasso A. **Biochim Biophys Acta** 439(2):406–12, 9 Aug 76
Histochemical studies on vitellogenesis in spider Araneus nauticus Koch (Aranae: Argiopidae). Verma GP, et al. **Z Mikrosk Anat Forsch** 88(6):1018–28, 1974

METABOLISM

The energy budget of an orb web-building spider. Peakall DB, et al. **Comp Biochem Physiol [A]** 54(2):187–90, 1976
Cytoplasmic DNA-activity during vitellogenesis in spider Araneus nauticus Koch (aranae: Argiopidae). Verma GP, et al. **Experientia** 31(8):976–7, 15 Aug 75

PHYSIOLOGY

Influence of spider Latrodectus tredecimguttatus poison on progressive muscular dystrophy in rat. Stern P, et al. **Arzneim Forsch** 25(5):769–71, May 75
Physiological conditions and variations of body constituents during the moulting cycle of the spider Tegenaria atrica C. L. Koch (Agelenidae). Collatz KG, et al. **Comp Biochem Physiol [A]** 52(3):465–76, 1 Nov 75
Ultraviolet and green receptors in principal eyes of jumping spiders. De Voe RD. **J Gen Physiol** 66(2):193–207, Aug 75
Social spiders. Burgess JW. **Sci Am** 234(3):100–6, Mar 76
Heart rate in spiders: influence of body size and foraging energetics. Carrel JE, et al. **Science** 193(4248):148–50, 9 Jul 76
Effect extracts of the venom gland of the recluse spider, Loxosceles laeta, on human cells in culture. Suárez G, et al. **Toxicon** 14(4):335–7, 1976
[Social communication in Agelena consociate D. (Araneida, Labidognatha)] Darchen RJ. **C R Acad Sci [D] (Paris)** 281(9):575–8, 1 Sep 75 (Eng. Abstr.) **(Fre)**
[Role of the principal and accessory eyes in the photomenotactic orientation of the funnel spider Agelena labyrinthica (CL.)] Dornfeldt K. **Z Tierpsychol** 38(2):113–153, Sep 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Increase of sensitivity of the eye of the spider] Yamashita S, et al. **J Physiol Soc Jpn** 36(8–9):296, 1 Sep 74 **(Jpn)**

ULTRASTRUCTURE

Scanning electron microscope studies on the fossilization of Baltic amber spiders (preliminary note). Mierzejewski P. **Ann Med Sect Pol Acad Sci** 21(1–2):81–2, 1976
[Ultrastructure of the clypeal gland of male spiders of the genus Argyrodes (Theridiidae)] Legendre R, et al. **C R Acad Sci [D] (Paris)** 281(15):1101–3, 13 Oct 75 (Eng. Abstr.) **(Fre)**

SPIN LABELS

see related
ELECTRON SPIN RESONANCE

Binding of a nitroxyl to radiation-induced DNA transients in repair and repair deficient of E. coli K-12. Wold E, et al. **Acta Chem Scand [B]** 29(7):781–6, 1975
A spin-label study of biological membranes with special emphasis on calcium-induced lateral phase separation. Ohnishi SI. **Adv Biophys (Tokyo)** 8:35–82, 1976 (52 ref.)
A kinetic method to establish the specificity of spin labelling of macromolecules. Griffiths JR, et al. **Biochem J** 147(3):609–12, Jun 75
The effect of chemical modifiers on the interaction of a spin-labeled local anesthetic with human erythrocyte membranes. Koblin DD, et al. **Biochem Pharmacol** 25(12):1405–13, 15 Jun 76
Permeation of a spin-label phosphate into the human erythrocyte. Ross AH, et al. **Biochemistry** 14(13):2793–8, Jul 75
Model membrane studies of spin-label probes. Part 1. Mixed monolayers of 12-nitroxide stearic acid and myristic acid. Cadenhead DA, et al. **Biochim Biophys Acta** 443(1):10–8, 4 Aug 76
Study of the transverse diffusion of spin-labeled phospholipids in biological membranes. II. Inner mitochondrial membrane of rat liver: use of phosphatidylcholine exchange protein. Rousselet A, et al. **Biochim Biophys Acta** 426(3):372–84, 19 Mar 76
Motion of spin-labeled fatty acids in murine macrophages. Relation to cellular phagocytic activity. Schroit AJ, et al. **Biochim Biophys Acta** 426(3):499–512, 19 Mar 76
Rotational correlation times and partition coefficients of a spin label solute in lecithin vesicles. Tomkiewicz M, et al. **Biochim Biophys Acta** 406(2):197–205, 6 Oct 75
Use of spin labels and electron spin resonance spectroscopy to characterize membranes of bovine sperm: effect of butylated hydroxytoluene and cold shock. Hammerstedt RH, et al. **Biol Reprod** 14(4):381–97, May 76
Antibodies against nitroxide spin labels. Humphries GM, et al. **Biophys J** 16(3):275–7, Mar 76
Spin labels for cell surfaces. Lepock JR, et al. **FEBS Lett** 60(1):185–9, 1 Dec 75
Spin labeling the hydrocarbon phase of biological membranes. pp. 291–302. Keith AD. **In: Packer L, Gómez-Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.**
Ionic mechanism of action of a spin-labeled local anesthetic on squid axon membranes. Yeh JZ, et al. **J Membr Biol** 25(3–4):237–47, 1975–76
Acridine spin labels as probes for nucleic acids. Sinha BK, et al. **Life Sci** 17(12):1829–36, 15 Dec 75
Site and mechanism of anesthetic action. I. Effect of anesthetics and pressure on fluidity of spin-labeled lipid vesicles. Boggs JM, et al. **Mol Pharmacol** 12(1):127–35, Jan 76
The effects of delta1-tetrahydrocannabinol and other cannabinoids on spin-labeled liposomes and their relationship to mechanisms of general anesthesia. Lawrence DK, et al. **Mol Pharmacol** 11(5):595–602, Sep 75
Interaction of spin-labeled bidquaternary ammonium ligands with acetylocholinesterase. Wee TV, et al. **Mol Pharmacol** 12(4):667–77, Jul 76
Spin labeled acetylcholine analogs: studies of cholinergic receptor. Rosen GM, et al. **Res Commun Chem Pathol Pharmacol** 12(2):317–29, Oct 75
Spin-labelled human platelets. Sachs F, et al. **Thromb Res** 8(1):43–50, Jan 76

[Study of the interaction of human serum albumin with penicillins by means of spin labels] Kharakhonycheva NV, et al. **Antibiotiki** 20(10):917–21, Oct 75 (Eng. Abstr.) **(Rus)**

[Letter: Change in the distribution of spin probe between water and membrane in different conditions] Obraztsov VV, et al. **Biofizika** 20(6):1130–1, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Spin-labeled nucleosides, nucleoside-5'-mono-, di-, and triphosphates] Petrov AI, et al. **Biofizika** 20(6):965–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Paramagnetic analog of tetranol] Zhdanov RI, et al. **Dokl Akad Nauk SSSR** 225(6):1333–5, 21 Dec 75 **(Rus)**

[Study of serum cholinesterase using a spin-labelled inhibitor] Khodakovskaia OA, et al. **Izv Akad Nauk SSSR [Biol]** (4):570–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Separate determination of the characteristic correlation time of spin-labeled proteins and thier conjugated labels] Kiaĭviariainen AI. **Mol Biol (Mosk)** 9(6):805–11, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Biologically active stable radicals. Paramagnetic model of mescaline] Zhdanov RI, et al. **Dokl Akad Nauk SSSR** 224(3):593–6, 21 Sep 75 **(Rus)**

PHARMACODYNAMICS

Site and mechanism of anesthetic action. II. Pressure effect on the nerve conduction-blocking activity of a spin label anesthetic. Boggs JM, et al. **Mol Pharmacol** 12(1):136–43, Jan 76

SPINA BIFIDA

Factors relating to intelligence in treated cases of spina bifida cystica. Hunt GM, et al. **Am J Dis Child** 130(8):823–7, Aug 76

Adolescents with spina bifida. How they see their situation. Dorner S. **Arch Dis Child** 51(6):439–44, Jun 76

Marital breakdown in families of patients with spina bifida cystica. Martin P. **Dev Med Child Neurol** 17(6):757–64, Dec 75

Spina bifida research in Wales. Laurence KM. **J R Coll Physicians Lond** 10(4):333–46, Jul 76

Spina bifida occulta and spina bifida cystica and related manifestations (a review article). Buta JL. **Mich Med** 74(24):451–3, Aug 75

Myelomeningocele: Suggested minimal urological evaluation and surveillance. **Pediatrics** 56(3):477–8, Sep 75

Handwriting and spina bifida. Anderson E. **Spec Educ Forward Trends** 3(2):17–20, Jun 76

[Meningomyeloceles and sacral agenesis. Introduction] Audic B. **J Urol Nephrol (Paris)** 80(12 pt 2):311–3, Dec 74 **(Fre)**

[Meningomyeloceles and sacral agenesis. Diagnosis and management in low or incomplete types] Audic B. **J Urol Nephrol (Paris)** 80(12 pt 2):313–7, Dec 74 **(Fre)**

[Preventive measures in treating spina-bifida children (author's transl)] Seiferth J, et al. **Oeff Gesundheitswes** 38(2):105–16, Feb 76 (Eng. Abstr.) **(Ger)**

[Spino-medullary dysplasias of the lumbo-sacral region] Obrador S, et al. **Rev Clin Esp** 139(1):17–25, 15 Oct 75 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid pressure-gradients in spina bifida cystica, with special reference to the Arnold-Chiari malformation and aqueductal stenosis. Williams B. **Dev Med Child Neurol [Suppl]** (35):138–50, 1975

CHEMICALLY INDUCED

Letter: Congenital malformations and vinyl chloride. Edmonds LD, et al. **Lancet** 2(7944):1098, 29 Nov 75

Spina bifida, exencephaly, and cranial bleb produced in hamsters by the solanum alkaloid solasodine. Keeler RF, et al. **Res Commun Chem Pathol Pharmacol** 13(4):723–30, Apr 76

Clomiphene and neural tube defects. Nevin NC, et al. **Ulster Med J** 45(1):59–64, 1976

COMPLICATIONS

Term pregnancy in a patient with myelomeningocele, uretero-ileostomy, and partial paraparesis. Ellison FE Jr. **Am J Obstet Gynecol** 123(1):33–4, 1 Sep 75

Paravertebral lumbar myelomeningocele: a report of three cases. Reddy DR, et al. **Aust NZ J Surg** 46(1):69–71, Feb 76

Lenticonus in spina bifida. A case report. Powell RG. **Br J Ophthalmol** 59(9):474–5, Sep 75

Anencephalus, Spina Bifida, twins, and teratoma. Rogers SC. **Br J Prev Soc Med** 30(1):26–8, Mar 76

Visual handicap in children with spina bifida—the role of the Royal National Institute for the Blind Education Advisory Service. Jones H, et al. **Child Care Health Dev** 2(2):91–7, Mar–Apr 76

Manifestations and management of Arnold-Chiari malformation in patients with myelomeningocele. Hoffman HJ, et al. **Childs Brain** 1(4):255–9, 1975

The incidence of spina bifida occulta in idiopathic scoliosis. Cowell MJ, et al. **Clin Orthop** (118):16–8, Jul–Aug 76

The relationship of physical handicap to stress in families with an adolescent with spina bifida. Dorner S. **Dev Med Child Neurol** 17(6):765–76, Dec 75

Prophylaxis in urinary tract infection in children with myelomeningocele. Hellström B, et al. **Dev Med Child Neurol** 18(3):302–4, Jun 76

Lacunar skull deformity related to intelligence in children with myelomeningocele and hydrocephalus. Lonton AP, et al. **Dev Med Child Neurol [Suppl]** (35):58–64, 1975

Bacterial colonisation and infection in lesions of the central nervous system. Raine PA, et al. **Dev Med Child Neurol [Suppl]** (35):111–6, 1975

Mycoplasma meningitis in infants with spina bifida. Wealthall SR. **Dev Med Child Neurol [Suppl]** (35):117–22, 1975

Meningomyelocele lateralis Das PB, et al. **Int Surg** 61(4):239, Apr 76

Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia. Hall PV, et al. **J Neurosurg** 43(4):457–63, Oct 75

Neurenteric cyst with meningomyelocele. Case report. Odake G, et al. **J Neurosurg** 45(3):352–6, Sep 76

Traumatizing effect of breech delivery on infants with spina bifida. Rálíš ZA. **J Pediatr** 87(4):613–6, Oct 75

Urinary tract complications in myelomeningocele patients. Cass AS. **J Urol** 115(1):102–4, Jan 76

Endovesical electrotherapy in treatment of urinary incontinence in spina-bifida patients. Nicholas JL, et al. **Lancet** 2(7948):1276–7, 27 Dec 75

An x-ray study of valgus ankles in spina bifida children with valgus flat foot deformity. Hollingsworth RP. **Proc R Soc Med** 68(8):481–4, Aug 75

Spina bifida: training for adult life. Nash DF. **Proc R Soc Med** 68(5):317–9, May 75

[Laryngo-pharyngeal paralysis. Complications during the course of myelomeningoceles] Jehan P, et al. **Arch Fr Pediatr** 32(1):49–58, Jan 75 (Eng. Abstr.) **(Fre)**

[Contribution of electromyography of the anal sphincter to the study of anal incontinence in myelomengocele patients. Apropos of 80 personal cases in children] de Bisschop G, et al. **Electrodiagn Ther** 12(2):97–131, 1975 **(Fre)**

[Meningomyeloceles and sacral agenesis. Indications for urinary diversion] Bruézière J. **J Urol Nephrol (Paris)** 80(12 pt 2):319–22, Dec 74 **(Fre)**

[Meningomyeloceles and sacral agenesis. Urologic problesm in infants] Bruzéière J. **J Urol Nephrol (Paris)** 80(12 pt 2):317–9, Dec 74 **(Fre)**

[Reflux in the neurogenic bladder of myelomeningocele. Discussion of the value of anti-reflux operations] Deburge JP, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):331–6, Dec 74 **(Fre)**

[External sphincterotomy in spina bifida] De Leval J. **J Urol Nephrol (Paris)** 80(12 pt 2):322–5, Dec 74 **(Fre)**

[Outcome of atonic bladder in spina bifida] Le Guillou M, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):326–9, Dec 74 **(Fre)**

[Neurogenic bladder in sacro-coccygeal agenesis] Tramoyeres Cases A, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):329–30, Dec 74 **(Fre)**

[V-osteotomy for the correction of popliteal fossa contractures in spina bifida children] Seeligmüller K. **Z Orthop** 113(4):776–8, Aug 75 **(Ger)**

[Urinary tract problems in adults with myelomeningocele] Madersbacher H. **Z Urol Nephrol** 68(11):791–8, Nov 75 **(Ger)**

[Urologic management of children with myelomeningocele] Weibbach L, et al. **Z Urol Nephrol** 68(11):785–90, Nov 75 **(Ger)**

[Two cases of spina bifida cystica with congenital dermal sinus] Yoshimoto H, et al. **Neurol Surg (Tokyo)** 3(3):261–4, Mar 75 (Eng. Abstr.) **(Jpn)**

[Effect of spina bifida occulta on the prognosis in coexisting idiopathic scoliosis] Jamiolkowska K. **Chir Narzadow Ruchu Ortop Pol** 41(2):167–70, 1976 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

A semi-automated serum alphafetoprotein radioimmunoassay for prenatal spina bifida screening. Vince JD, et al. **Br J Obstet Gynaecol** 82(9):718–27, Sep 75

Maternal serum alpha-fetoprotein and previous neural tube defects. Wald N, et al. **Br J Obstet Gynaecol** 83(3):213–6, Mar 76

Amniotic fluid alpha2-macroglobulin and the antenatal diagnosis of spina bifida and anencephaly. Brock DJ. **Clin Genet** 8(4):297–301, Oct 75

Comparison of alphafetoprotein and beta-trace protein in the antenatal diagnosis of anencephaly and spina bifida. Brock DJ, et al. **Clin Genet** 9(4):385–8, Apr 76

Somatosensory evoked cortical responses in children with spina bifida. Duckworth T, et al. **Dev Med Child Neurol** 18(1):19–24, Feb 76

Levels of beta-trace protein and lysozyme in human amniotic fluids. Adinolfi M, et al. **Experientia** 32(1):53–5, 15 Jan 76

Amniotic fluid concentrations of alpha-fetoprotein (AFP) in early normal pregnancy, and pregnancy complicated by neural tube defects. A review of 18 months experience. Coltart RM, et al. **Guys Hosp Rep** 123(2):121–9, 1974

Prenatal diagnosis of anencephaly and spina bifida. pp. 63–89. Laurence KM. **In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.**

Neural tube defects in India: Prospects for the future. Verma IC. **Indian Pediatr** 12(10):951–4, Oct 75

Prenatal diagnosis of neural tube defects. Macri JN, et al. **JAMA** 236(11):1251–4, 13 Sep 76

Effect of gestational age on screening for neural-tube defects by maternal plasma-A.F.P. measurement. Brock DJ, et al. **Lancet** 2(7927):195–6, 2 Aug 75

Letter: Screening for neural-tube defects. Brock DJ. **Lancet** 1(7949):46–7, 3 Jan 76

Letter: Screening for neural-tube defects. Carter F, et al. **Lancet** 2(7946):1210, 13 Dec 75

Letter: Antenatal misdiagnosis of neural-tube defects. Duncan SL. **Lancet** 2(7937):709, 11 Oct 75

Letter: Alpha-fetoprotein as predictor of fetal neural-tube defects. Fernhoff PM, et al. **Lancet** 2(7930):368–9, 23 Aug 75

Levels of alpha-fetoprotein in maternal blood as a screening test for fetal neural-tube defect. Leighton PC, et al. **Lancet** 2(7943):1012–5, 22 Nov 75

Letter: Maternal serum alpha-fetoprotein and prospective screening. Macri JN, et al. **Lancet** 2(7937):719–20, 11 Oct 75

Letter: Screening for neural-tube defects by a haemagglutination test for serum-alpha-fetoprotein. Norgaard-Pedersen B. **Lancet** 2(7940):877–8, 1 Nov 75

Letter: Kappa-fetoprotein and alternative markers for the antenatal diagnosis of neural tube defects. Seller MJ, et al. **Lancet** 2(7942):984–5, 15 Nov 75

Letter: Screening for neural-tube defects. Seller MJ. **Lancet** 2(7945):1141, 6 Dec 75

Letter: F.D.P. in amniotic fluid as marker for neural-tube defects. Weiss RR, et al. **Lancet** 1(7954):304, 7 Feb 76

Amniotic fluid alpha-fetoprotein as a marker in prenatal diagnosis of neural tube defects. Weiss RR, et al. **Obstet Gynecol** 47(2):148–51, Feb 76

Proceedings: Prenatal screening for spina bifida. Vince JD, et al. **Scott Med J** 20(4):180, Jul 75

[Lipomyelomeningocele with brown fat] Voldby B. **Ugeskr Laeger** 138(2):99–101, 5 Jan 76 (Eng. Abstr.) **(Dan)**

[Diagnosis of spina bifida and anencephalus in early pregnancy] Friese S, et al. **Ned Tijdschr Geneeskd** 119(44):1697–700, 1 Nov 75 (Eng. Abstr.) **(Dut)**

[Prenatal diagnosis of developmental anomalies of the neural tube] Czlonkowska A. **Neurol Neurochir Pol** 10(1):1–4, Jan–Feb 76 **(Pol)**

[Alpha fetoproteins (AFP) in prenatal diagnosis of anencephalus and spina bifida. Resumé and selection from current literature] Avendaño O. **Rev Chil Obstet Ginecol** 39(1):23–31, 1974 (17 ref.) **(Spa)**

DIET THERAPY

Care of children with conditions characterized by high nutritional risks. Rickard K, et al. **J Am Diet Assoc** 68(06):546–50, Jun 76

EMBRYOLOGY

Rib anomalies in myelodysplasia. An approach to embryologic inference. McLennan JE. **Biol Neonate** 29(3–4):129–41, 1976

The embryogenesis of trypan-blue induced spina bifida aperta and short tail in the rat. Lendon RG. **Dev Med Child Neurol [Suppl]** (35):3–10, 1975

Pathogenesis of diastematomyelia and spina bifida. Rokos J. **J Pathol** 117(3):155–61, Nov 75

Experimental contribution to the pathogenesis of spina bifida. Rokos J, et al. **J Pathol** 118(1):21–4, Jan 76

Pathogenesis of trypan-blue-induced spina bifida. Rokos J, et al. **J Pathol** 118(1):25–34, Jan 76

ETIOLOGY

Potato avoidance during pregnancy in women with a previous infant with either anencephaly and/or spina bifida. Nevin NC, et al. **Br J Prev Soc Med** 29(2):111–5, Jun 75

Editorial: End of the potato avoidance hypothesis. **Br Med J** 4(5992):308–9, 8 Nov 75

Letter: Aetiology of anencephaly and spina bifida. **Br Med J** 1(6007):455–6, 21 Feb 76

Spina bifida and anencephaly: miscarriage as possible cause. Clarke C, et al. **Br Med J** 4(5999):743–6, 27 Dec 75

Letter: Aetiology of anencephaly and spina bifida. Elwood JH. **Br Med J** 1(6003):218, 24 Jan 76

Letter: Aetiology of anencephaly and spina bifida. Field B, et al. **Br Med J** 2(6027):107, 10 Jul 76

Anencephalus, spina bifida, and potato blight in Canada. Elwood JM. **Can J Public Health** 67(2):122–6, Mar–Apr 76

Etiologic heterogeneity of neural-tube defects. Holmes LB, et al. **N Engl J Med** 294(7):365–9, 12 Feb 76

[Spina bifida—a mycotoxicosis] Eriksson M. **Lakartidningen** 72(51):5071–3, 17 Dec 75 (Eng. Abstr.) **(Swe)**

FAMILIAL & GENETIC

Genetic spina bifida occulta in the mouse. Hollander WF. **Am J Anat** 146(2):173–9, Jun 76

Congenital vertebral anomalies: aetiology and relationship to spina bifida cystica. Wynne-Davies R. **J Med Genet** 12(3):280–8, Sep 75

Letter: Risks of malformed relatives. Edwards JH. **Lancet** 1(7973):1348, 19 Jun 76

Letter: Offspring of parents with spina bifida occulta. Field B, et al. **Lancet** 2(7947):1257, 20 Dec 75

Letter: Risks of malformed relatives. Field B, et al. **Lancet** 2(7979):252, 31 Jul 76

A genetic study of spina bifida cystica in Utah. Woolf CM. **Soc Biol** 22(3):216–20, Fall 75

MICROBIOLOGY

Bacterial colonisation and infection in spina bifida babies. Moorhouse EC, et al. **Ir J Med Sci** 145(2):51–7, Feb 76

MORTALITY

Letter: Survival of infants with unoperated myeloceles. Hide DW. **Br Med J** 4(5990):226, 25 Oct 75

Survival of infants with unoperated myeloceles. Robards MF, et al. **Br Med J** 4(5987):12–3, 4 Oct 75

Late follow-up in spina bifida cystica. Dougall AJ, et al. **Scott Med J** 20(3):129–32, May 75

OCCURRENCE

The relationship of supplemental iodine to neural tube defects in Rochester, New York, 1924–1932. Biggar RJ, et al. **Am J Epidemiol** 104(1):28–33, Jul 76

Descriptive epidemiology of neural tube defects, Rochester, New York, 1918–1938. Biggar RJ, et al. **Am J Epidemiol** 104(1):22–7, Jul 76

Area differences in the incidence of neural tube defect and the rate of spontaneous abortion. Fedrick J, et al. **Br J Prev Soc Med** 30(1):32–5, Mar 76

An investigation of space and space–time clustering in a large sample of infants with neural tube defects born in Cardiff. Roberts CJ, et al. **Br J Prev Soc Med** 29(3):202–4, Sep 75

Causation of neural tube defects: clues from epidemiology. Leck I. **Br Med Bull** 30(2):158–63, May 74 (86 ref.)

Major central nervous system malformations notified in Northern Ireland, 1969 to 1973. Elwood JH. **Dev Med Child Neurol** 18(4):512–20, Aug 76

Observations on patients with neural-tube defects in a metropolitan hospital clinic: an epidemiological history. Nightingale EO, et al. **Dev Med Child Neurol** 17(5):574–9, Oct 75

Anencephaly and spina bifida in the British Isles. pp. 21–39. Elwood JH.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Anencephalus and spina bifida in North America. pp. 3–19. Elwood JM.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Maternal–fetal endocrine function in anencephaly and spina bifida – epidemiological considerations. pp. 103–15. Janerich DT.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

I. Methodology of ascertainment in international comparisons. II. Anencephaly and spina bifida in Israel. pp. 41–60. Naggan L.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Letter: Sequential fetus–fetus interaction and C.N.S. defects. Durkin MV, et al. **Lancet** 2(7975):43, 3 Jul 76

Myelomeningocele in Minnesota. Incidence and fate. Esho JO, et al. **Minn Med** 58(9):660–2, Sep 75

PATHOLOGY

Cranial venous system and the posterior fossa in spina bifida aperta. Blaauw G. **Clin Neurol Neurosurg** 78(3):171–81, 1975

Physical and biochemical characteristics of the human dysraphic spinal cord. Barson AJ, et al. **Dev Med Child Neurol [Suppl]** (35):11–9, 1975

A quantitative study of the cell population of the cerebellum in children with myelomeningocele. Emery JL, et al. **Dev Med Child Neurol [Suppl]** (35):20–25, 1975

Intracranial ventricular system in children with spina bifida cystica. Adeloye A, et al. **J Neurosurg Sci** 18(4):244–9, Oct–Dec 74

[Dehiscence and schisis of the posteriol wall of the sacral canal] Jovanović S, et al. **Glas Srp Akad Nauka [Med]** (26):5–16, 1975 **(Ser)**

PHYSIOPATHOLOGY

Hand function and tactile perception in a sample of children with myelomeningocele. Grimm RA. **Am J Occup Ther** 30(4):234–40, Apr 76

Measurement of intravesical and rectal pressures simultaneously with electromyography of anal sphincter in children with myelomeningocele. van Gool JD, et al. **Dev Med Child Neurol** 18(3):287–301, Jun 76

Letter: Comments on urology section on myelomeningocele. Lebowitz RL, et al. **Pediatrics** 58(2):297–8, Aug 76

PREVENTION & CONTROL

Screening for spina bifida cystica. A cost-benefit analysis. Hagard S, et al. **Br J Prev Soc Med** 30(1):40–53, Mar 76

RADIOGRAPHY

Meningomyelocele and syringohydromyelia. Some radiological aspects. Batnitzky S, et al. **Radiology** 120(2):351–7, Aug 76

Meningomyelocele and syringohydromyelia. Some radiological aspects. Batnitzky S, et al. **Radiology** 120(2):351–7, Aug 76

REHABILITATION

Continence, friends, marriage and children in 51 adults with spina bifida. Laurence KM, et al. **Dev Med Child Neurol [Suppl]** (35):123–8, 1975

Editorial: Whose turn now? **Lancet** 2(7980):298, 7 Aug 76

The silk spina buggy. Pownall PG, et al. **Physiotherapy** 60(9):277, Sep 74

Letters to the editor: Spina bifida and education. Lee DH. **Spec Educ Forward Trends** 1(3):27, Sep 74

[Orthopedic aspects in the care of children with spina bifida] Kaufmann J. **Paediatr Grenzgeb** 14(2):115–21, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

Results of treatment in myelomeningocele. Naglo AS, et al. **Acta Paediatr Scand** 65(5):565–9, Sep 76

The treatment of intoed gait in spina bifida patients by lateral transfer of the medial hamstrings. Golski A, et al. **Aust NZ J Surg** 46(2):157–9, May 76

Europeans and the spina bifida problem. **Can Med Assoc J** 113(9):812, 8 Nov 75

Reconstructive surgery in the myelomeningocele hip. Benton LJ, et al. **Clin Orthop** (110):261–8, Jul–Aug 75

Talectomy in the treatment of the myelomeningocele patient. Sherk HH, et al. **Clin Orthop** (110):218–22, Jul–Aug 75

Selection of early treatment of myelomeningocele: a retrospective analysis of selection procedures. Stein SC, et al. **Dev Med Child Neurol** 17(3):311–9, Jun 75

Some factors relating to intelligence in treated children with spina bifida cystica. Hunt GM, et al. **Dev Med Child Neurol [Suppl]** (35):65–70, 1975

Combined early approach to closure of large meningomyelocele. Bloomenstein RB, et al. **J Med Soc NJ** 72(12):1015–8, Dec 75

Lymphatic fistula following myelomeningocele repair. Case report. Dempsey LC, et al. **J Neurosurg** 45(4):452–4, Oct 76

The neurosurgeon and myelodysplasia. Shucart W. **Orthop Clin North Am** 7(2):479–81, Apr 76

Transcephalic impedance in neonatal hydrocephalics with myelomeningocele. Reigel DH, et al. **Surg Forum** 26:481–2, 1975

[Modern treatment of meningomyelocele] Krenn R. **Wien Med Wochenschr** 125(18–20):281–4, 2 May 75 **(Ger)**

[Dorsal intestinal cyst (split-notochord syndrome) in a newborn girl] Georgacopulo P. **Minerva Chir** 30(13–14):832–4, 15–31 Jul 75 (Eng. Abstr.) **(Ita)**

[Results of early surgical treatment of myelocele] Solecka B, et al. **Folia Med Cracov** 18(2):273–87, 1976 **(Pol)**

[Surgical treatment of spina bifida cystica complicated by internal hydrocephalus] Mirčevski M, et al. **God Zb Med Fak Skopje** 21:421–8, 1975 (Eng. Abstr.) **(Ser)**

THERAPY

Intravesical transurethral electrotherapy in meningomyelocele patients. Katona F, et al. **Acta Paediatr Acad Sci Hung** 16(3–4):363–74, 1975

Yale-New Haven Hospital Spina Bifida Center: introduction of the pediatric nurse practitioner in a program of comprehensive management. Venes JL, et al. **Conn Med** 39(12):801–2, Dec 75

Ethical problems in the management of myelomeningocele and hydrocephalus. The Milroy Lecture 1975. Lorber J. **J R Coll Physicians Lond** 10(1):47–60, Oct 75

Ethical problems in the management of myelomeningocele and hydrocephalus–1. Lorber J. **Nurs Times** 72(8):suppl:5–8, 26 Feb 76

Ethical problems in the management of myelomingocele and hydrocephalus. 2. Lorber J. **Nurs Times** 72(12):suppl:9–11, 25 Mar 76

The pediatrician and myelodysplasia. Bull MJ, et al. **Orthop Clin North Am** 7(2):475–9, Apr 76

Recent clinical advances in the treatment of dysraphic states. Fishman MA. **Pediatr Clin North Am** 23(3):517–26, Aug 76

The results of a policy of 'selecting out' in children with myelomeningocele. Katzen M. **S Afr J Surg** 13(4):215–8, Dec 75

Clean intermittent catheterization for meningomyelocele. Hasham AI, et al. **Wis Med J** 74(10):S117–8, Oct 75

[Complex therapy of children with myelomeningocele] Tischer W. **Paediatr Grenzgeb** 14(5–6):299–307, 1975 (Eng. Abstr.) **(Ger)**

VETERINARY

Spina bifida with syringomyelia and meningocoele in a short-tailed cat. Clark L, et al. **Aust Vet J** 51(8):392–4, Aug 75

SPINAL ACCESSORY NERVE see **ACCESSORY NERVE**

SPINAL CANAL

Proceedings: Tuberculous abscess formation in the spinal canal. Shaaban M, et al. **Acta Neurochir (Wien)** 31(3–4):307, 1975

Letter: Particulate matter in the extradural space. Crawford JS, et al. **Br J Anaesth** 47(7):807, Jul 75

Lumbar spinal stenosis and nerve root entrapment syndromes. Definition and classification. Arnoldi CC, et al. **Clin Orthop** (115):4–5, Mar–Apr 76

Post-laminectomy and post-fusion stenosis of the lumbar spine. Brodsky AE. **Clin Orthop** (115):130–9, Mar–Apr 76

Degenerative spondylolisthesis. Cauchoix J, et al. **Clin Orthop** (115):122–9, Mar–Apr 76

Isolated lumbar disk resorption as a cause of nerve root canal stenosis. Crock HV. **Clin Orthop** (115):109–15, Mar–Apr 76

Lumbar stenosis. An electromyographic evaluation. Jacobson RE. **Clin Orthop** (115):68–71, Mar–Apr 76

Editorial: Lumbar spinal stenosis. Kirkaldy-Willis WH, et al. **Clin Orthop** (115):2–3, Mar–Apr 76

The narrow lumbar spinal canal or lumbar spinal stenosis McKinley LM, et al. **Clin Orthop** (114):319–25, Jan–Feb 76

Stenosis of the lumbar spine in spondylolisthesis. Newman PH. **Clin Orthop** (115):116–21, Mar–Apr 76

Clinical features of lumbar spinal stenosis. Paine KW. **Clin Orthop** (115):77–82, Mar–Apr 76

Spinal epidural abscess in a five-week-old infant. A problem in diagnosis. Bock SA, et al. **Clin Pediatr (Phila)** 15(3):286–7, Mar 76

Protrusion of calcified cervical discs into the spinal canal in children. A report of two cases. Cronqvist S, et al. **Neuroradiology** 9(4):223–5, 29 Aug 75

Neurogenic intermittent claudication and stenosis of the lumbar spinal canal. Salibi BS. **Surg Neurol** 5(5):269–72, May 76

[Arachnoidal cysts of the spinal canal. Our experiences with 34 patients] Malý Z, et al. **Cesk Neurol Neurochir** 39(3):139–44, May 76 (Eng. Abstr.) **(Cze)**

[Lumbar spinal stenosis—a common but seldom diagnosed syndrome] Snellman O, et al. **Duodecim** 91(12):747–55, 1975 **(Fin)**

[Stenosis of the cervical spinal canal: acquired? congenital] Lièvre JA, et al. **Rev Rhum Mal Osteoartic** 42(6):377–81, Jun 75 (Eng. Abstr.) **(Fre)**

[Postural scintimyelography of the cervical spine (author's transl)] Lakke JP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(6):511–16, Jun 75 (Eng. Abstr.) **(Ger)**

[Endoscopy of the spinal canal (author's transl)] Fukushima T, et al. **Neurochirurgia (Stuttg)** 18(6):199–203, Nov 75 (Eng. Abstr.) **(Ger)**

[Development of papiliedema in cases of tumors of the lower segment of the vertebral canal] Rosset SO. **Neurol Neurochir Pol** 10(4):599–602, Jul–Aug 76 (Eng. Abstr.) **(Pol)**

[A case of congenital extradural cyst in the vertebral canal] Paramonov LV, et al. **Vopr Neirokhir** (1):54–8, Jan–Feb 76 **(Rus)**

ABNORMALITIES

Congenital displacement of temporal cortex into the central spinal canal. Silver DA, et al. **Can J Neurol Sci** 2(4):257–9, Nov 75

Lumbar stenosis. Natarajan M. **Int Surg** 60(10):544–5, Oct 75

Congenital narrowing of the cervical spinal canal. Kessler JT. **J Neurol Neurosurg Psychiatry** 38(12):1218–24, Dec 75

Morphogenesis of the spinal canal, normal and stenotic. Roth M, et al. **Neuroradiology** 10(5):277–86, 1976

Diastematomyelia: report of eight observations. Vandresse JH, et al. **Neuroradiology** 10(2):87–93, 21 Nov 75

[The narrow spinal canal – medicolegal aspects (author's transl)] Ritter G, et al. **Z Rechtsmed** 76(1):63–71, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Dehiscence and schisis of the posteriol wall of the sacral canal] Jovanović S, et al. **Glas Srp Akad Nauka [Med]** (26):5–16, 1975 **(Ser)**

ANATOMY & HISTOLOGY

Measurements of the lumbar spinal canal in 2 racial groups. Eisenstein S. **Clin Orthop** (115):42–6, Mar–Apr 76

BLOOD SUPPLY

Epidural venography: diagnosis of herniated lumbar intervertebral disc and other disease of the epidural space. Drasin GF, et al. **Am J Roentgenol** 126(5):1010–6, May 76

EMBRYOLOGY

Neural-tube defects caused by 5-bromodeoxyuridine in chicks. Lee HY, et al. **Teratology** 14(1):89–97, Aug 76

PATHOLOGY

Displacement of cerebellar tissue into spinal canal. A component of the respirator brain syndrome. Herrick MK, et al. **Arch Pathol** 99(11):565–71, Nov 75

Pathological and myelographic changes in the major types of lumbar spinal stenosis. McIvor GW, et al. **Clin Orthop** (115):72–6, Mar–Apr 76

Subarachnoid block and enlargement of the spinal canal in hypertrophic neuritis. De León GA, et al. **J Neurol Sci** 28(2):139–46, Jun 76

The relationship of the size of the lumbar spinal canal to the symptomatology of prolapsed lumbar intervertebral discs. Ramani PS. **J Neurosurg Sci** 18(4):223–7, Oct–Dec 74

[Diagnostic significance of the spinal canal to vertebral body ratio in cervical spondylosis] Kato H, et al.

Clin Neurol (Tokyo) 16(4):319–25, Apr 76 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

The narrow lumbar spinal canal. Williams RM. Australas Radiol 19(4):356–60, Dec 75

Fibrous spinal stenosis. A report on 850 myelograms with a water-soluble contrast medium. De Villiers PD, et al. Clin Orthop (115):140–4, Mar–Apr 76

Water soluble contrast myelography in spinal canal stenosis and nerve entrapment. Morris L. Clin Orthop (115):49–52, Mar–Apr 76

Lumbar spinal stenosis. Radiographic diagnosis with special reference to transverse axial tomography. Sheldon JJ, et al. Clin Orthop (115):53–67, Mar–Apr 76

Congenital spondylolysis of cervical vertebrae with spondylolisthesis anf frontal narrowing of the spinal canal. Report of two cases. Guillaume J, et al. Neuroradiology 11(3):159–63, 16 Jul 76

The plica mediana dorsalis of the dura mater and its relation to lumbar peridurography (canalography). Luyendijk W. Neuroradiology 11(3):147–9, 16 Jul 76

[Radiculosaccography with metrizamide (amipaque), a non-ionic watersoluble contrast medium] Heeres JG, et al. Ned Tijdschr Geneeskd 120(22):941–4, 29 May 76 (Eng. Abstr.) (Dut)

[Saccoradiculography with Dimer-X. Electromyographic methodlogy and research of its neurotoxicity] de Bisschop G, et al. Electrodiagn Ther 12(4):159–73, 1975 (Fre)

[The antero-posterior diameter of the cervical spinal canal in cervical spondylosis (author's transl)] Sato M, et al. Neurol Surg (Tokyo) 4(4):359–64, Apr 76 (Eng. Abstr.) (Jpn)

SURGERY

Results of decompression for lumbar spinal stenosis. Paine KW. Clin Orthop (115):96–100, Mar–Apr 76

Spinal stenosis. Report of series and long term follow-up. Russin LA, et al. Clin Orthop (115):101–3, Mar–Apr 76

Spinal stenosis. Results of treatment. Tile M, et al. Clin Orthop (115):104–8, Mar–Apr 76

The treatment of spinal stenosis. Wiltse LL, et al. Clin Orthop (115):83–91, Mar–Apr 76

SPINAL CORD

see related
CHORDOTOMY
MYELOGRAPHY

The local effect of pH changes in the cerebrospinal fluid on the ventrolateral areas of medulla oblongata and on the spinal cord surface on the activity of cardiac and vertebral sympathetic nerves. Szulczyk P, et al. Acta Physiol Pol 27(1):9–17, Jan–Feb 76

Spinal subarachnoid perfusion of rhesus monkeys. Kessler JA, et al. Am J Physiol 230(3):614–8, Mar 76

Dorsal column stimulation. Its effect on the somatosensory evoked response. Blair RD, et al. Arch Neurol 32(12):826–9, Dec 75

Neurotrophic effect of spinal cord extract on membrane potentials of organ-cultured mouse skeletal muscle. Kuromi H, et al. Brain Res 100(1):178–81, 12 Dec 75

Dog behaviour as related to spinal cord temperature. Cormarèche-Leydier M, et al. Experientia 32(1):66–8, 15 Jan 76

Further characterization of the anti-encephalitogenic protein (SCP): isolation from bovine spinal cord and spinal roots. MacPherson CF, et al. J Immunol 116(1):227–31, Jan 76

The culture of previously dissociated embryonic chick spinal cord cells on feeder layers of liver and kidney, and the development of paraformaldehyde induced fluorescence upon the former. Bird MM, et al. J Neurocytol 4(6):633–46, Dec 75

Letter: Percutaneous trial for implantable stimulating devices. Cook AW. J Neurosurg 44(5):650–1, May 76

Percutaneous epidural dorsal column stimulation. Technical note. Zumpano BJ, et al. J Neurosurg 45(4):459–60, Oct 76

Experience with dorsal column stimulation (DCS) in the operative treatment of chronic intractable pain. Krainick JU, et al. J Neurosurg Sci 18(3):187–9, Jul–Sep 74

Dorsal-column stimulation in the rehabilitation of patients with multiple sclerosis. Illis LS, et al. Lancet 1(7974):1383–6, 26 Jun 76

A new method for localised spinal-cord cooling. Romero-Sierra C, et al. Med Biol Eng 12(2):188–93, Mar 74

The cervical locking mechanism. Its contribution to the cervical spine stability and to the vertebral artery and spinal cord safety. An anatomical study. Veleanu C. Morphol Embryol (Bucur) 21(1):3–7, 1975

Spinal cord hypothermia. Neurosurgical management of immediate and delayed post-traumatic neurologic sequelae. Negrin J Jr. NY State J Med 75(13):2387–92, Nov 75

Dorsal column stimulation: optimization of application. Burton C. Surg Neurol 4(1):171–9, Jul 75

Electrical stimulation of the ventral and dorsal columns of the spinal cord for relief of chronic intractable pain: preliminary report. Hoppenstein R. Surg Neurol 4(1):187–94, Jul 75

Percutaneous implantation of chronic spinal cord electrodes for control of intractable pain: preliminary report. Hoppenstein R. Surg Neurol 4(1):195–8, Jul 75

Biomechanical responses to open experimental spinal cord injury. Hung TK, et al. Surg Neurol 4(2):271–6, Aug 75

Stimulation of the dorsal spinal cord for treatment of intractable pain: a preliminary report. Hunt WE, et al. Surg Neurol 4(1):153–6, Jul 75

Spinal cord stimulation in post-amputation pain. Krainick JU, et al. Surg Neurol 4(1):167–70, Jul 75

A comparison between anterior and posterior spinal implant systems. Larson SJ, et al. Surg Neurol 4(1):180–6, Jul 75

Stimulation of the posterior columns of the spinal cord for relief of intractable pain. Long DM, et al. Surg Neurol 4(1):134–41, Jul 75

Dorsal column stimulation for control of pain: a three-year follow-up. Nashold BS. Surg Neurol 4(1):146–7, Jul 75

Experience with dorsal column stimulation for relief of chronic intractable pain: 1968–1973. Nielson KD, et al. Surg Neurol 4(1):148–52, Jul 75

Dorsal column stimulation and its prospects. Pineda A. Surg Neurol 4(1):157–63, Jul 75

Dorsal column stimulation: optimization of application. Shealy CN. Surg Neurol 4(1):142–5, Jul 75

Electrical stimulation of the nervous system. Shelden CH, et al. Surg Neurol 4(1):127–32, Jul 75

Stimulation of the posterior columns of the spinal cord for pain control. Sweet WH, et al. Surg Neurol 4(1):133, Jul 75

[Spontaneous spinal epidural hematoma] Girard PL, et al. Bull Soc Med Afr Noire Lang Fr 20(3):256–65, 1975 (Eng. Abstr.) (Fre)

[Electric stimulation of the sacral spinal cord to obtain micturition in dogs] Jonas U, et al. J Urol Nephrol (Paris) 80(12 pt 2):290–3, Dec 74 (Fre)

[Comparative study of stimulation of the sacral spinal cord and the detrusor muscle in dogs] Jonas U, et al. J Urol Nephrol (Paris) 80(12 pt 2):293–5, Dec 74 (Fre)

[Letter: Spinal lymphocytosis during chronic lymphocytic leukemia] Amiel JL, et al. Nouv Presse Med 5(2):94–5, 10 Jan 76 (Fre)

[Electrical stimulation of the dorsal column of the spinal cord for pain elimination] Kosugi Y, et al. Jpn J Med Electron 14(1):33–40, Feb 76 (Eng. Abstr.) (Jpn)

[Transfixion of cervical cord by a glass fragment—report of a case (author's transl)] Miyazaki Y, et al. Neurol Surg (Tokyo) 4(8):799–803, 10 Aug 76 (Eng. Abstr.) (Jpn)

[A study on the hollow-out radiation technique applied to the protection of the spinal cord (author's transl)] Matsuda T. Nippon Acta Radiol 35(9):769–79, 25 Sep 75 (Eng. Abstr.) (Jpn)

ABNORMALITIES

The tethered conus. Fitz CR, et al. Am J Roentgenol Radium Ther Nucl Med 125(3):515–23, Nov 75

Thirteen year experience with ileal loop diversion in children with myelodysplasia. Flanigan RC, et al. Am J Surg 130(5):535–8, Nov 75

Gas myelography in the investigation of occult spinal dysraphism. Cook PL. Br J Radiol 49(582):502–15, Jun 76

Diastematomyelia. Shaw JF. Dev Med Child Neurol 17(3):361–4, Jun 75

Clinical radiosotope investigations in hydrosyringomyelia and myelodysplasia. Hall PV, et al. J Neurosurg 45(2):188–94, Aug 76

Neurenteric cyst with meningomyelocele. Case report. Odake G, et al. J Neurosurg 45(3):352–6, Sep 76

Pathogenesis of diastematomyelia and spina bifida. Rokos J. J Pathol 117(3):155–61, Nov 75

The effect of palliative surgery on the survival of central nervous system malformations. Gal I. J Perinat Med 3(2):123–8, 1975

Congenital malformations of the nervous system. Simpson D. Med J Aust 1(19):700–2, 8 May 76

Diastematomyelia: report of eight observations. Vandresse JH, et al. Neuroradiology 10(2):87–93, 21 Nov 75

The role of electromyography in myelodysplasia. Granger CV, et al. Orthop Clin North Am 7(2):487–9, Apr 76

The role of the physiatrist and physical therapist in myelodysplasia. Granger CV, et al. Orthop Clin North Am 7(2):489–93, Apr 76

Neurological evaluation and management of myelodysplasia. Haller JS. Orthop Clin North Am 7(2):481–3, Apr 76

The role of the psychiatrist in myelodysplasia. Marks A. Orthop Clin North Am 7(2):496–8, Apr 76

Orthopedic evaluation and treatment of the myelodysplasia patient. Zimbler S. Orthop Clin North Am 7(2):483–7, Apr 76

Computed tomography in diastematomyelia. Weinstein MA, et al. Radiology 117(3 Pt 1):609–11, Dec 75

[Diastematomyelia (author's transl)] Grepl J, et al. Acta Chir Orthop Traumatol Cech 43(1):13–7, Feb 76 (Eng. Abstr.) (Cze)

[Optic nerve lesions associated with multiple vertebromedullary malformations] Cernea P, et al. Rev Chir [Oftalmol] 19(4):303–6, Oct–Dec 75 (Eng. Abstr.) (Rum)

ANALYSIS

Quantitative localization of biogenic amines in the spinal cord. Zivin JA, et al. Brain Res 99(2):293–301, 5 Dec 75

Total cholesterol content of the brain and spinal cord of some freshwater fishes. Shreni KD, et al. Indian J Med Res 63(5):733–5, May 75

Basis of microheterogeneity of myelin basic protein. Chou FC, et al. J Biol Chem 251(9):2671–9, 10 May 76

External labeling of galactose in surface membrane glycoproteins of the intact myelin sheath. Poduslo JF, et al. J Biol Chem 251(1):153–8, 10 Jan 76

Proceedings: Localization of thyrotrophin releasing hormone in the spinal cord of the rat by immunohisto-chemistry and radioimmunoassay. Jeffcoate SL, et al. J Endocrinol 69(3):9P–10P, Jun 76

Gangliosides of peripheral nerve myelin. Fong JW, et al. J Neurochem 26(1):157–62, JAN 76

The nuclear DNA content of large ventral spinal neurons. McIlwain DL, et al. J Neurochem 27(1):109–12, Jul 76

Quantitative histochemistry of gamma-aminobutyric acid in cat spinal cord with special reference to presynaptic inhibition. Miyata Y, et al. J Neurochem 25(3):239–44, Sep 75

Glycine levels in the degenerated human spinal cord. Boehme DH, et al. J Neurol Sci 27(3):347–52, Mar 76

Water contents of various regions of the feline nervous system. Gadea-Ciria M, et al. Med Biol 53(6):469–74, Dec 75

Measurement of protein in cultures of nervous tissue grown on collagen substrate. Oh TH, et al. Neurobiology 5(3):188–91, Jun 75

[Free amino-acids in the human spinal cord—analysis of anterior, posterior columns and anterior, lateral and posterior funiculi] Yoshino Y, et al. Clin Neurol (Tokyo) 16(1):74–81, Jan 76 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Contributions to the anatomy of the cervical spine. Functional and pathogenetic significance of certain structures of the cervical vertebrae. Veleanu C. Acta Anat (Basel) 92(3):467–80, 1975

Degeneration in the adult rat spinal cord following systemic treatment with 6-hydroxydopamine. Light-microscopic study. Wong WC. Acta Anat (Basel) 95(1):34–9, 1976

Inverse prominence of ependyma and capillaries in the spinal cord of vertebrates: a comparative histochemical study. Sarnat HB, et al. Am J Anat 143(4):439–50, Aug 75

Method of determining topometric values of some structures of the human spinal cord. Zlatoš J, et al. Appl Neurophysiol 38(2):104–9, 1975

Studies on lower motor neurons and pathways to the spinal gray. Brain Behav Evol 12(4–6):201–364, 1975

Termination of supraspinal descending pathways in the spinal cord of the tegu lizard, Tupinambis nigropunctatus. Cruce WLR. Brain Behav Evol 12(4–6):247–9, 1975

Primary afferent fiber distribution at brachial and lumbosacral spinal cord levels in the opossum (Didelphis marsupialis virigniana). Culberson JL, et al. Brain Behav Evol 12(4–6):229–46, 1975

Origin, course and termination of corticospinal fibers in a prosimian primate, Galago. Goode GE, et al. Brain Behav Evol 12(4–6):334–60, 1975

Cortical and brain stem projections to the spinal cord of the American opossum, Didelphis marsupialis virginiana. Martin GF, et al. Brain Behav Evol 12(4–6):270–310, 1975

The rubrospinal tract in a prosimian primate, Galago senegalensis. Murray HM, et al. Brain Behav Evol 12(4–6):311–33, 1975

Heterogeneous composition of the spinocerebellar tract originating from the cervical enlargement in the cat. Hirai N, et al. Brain Res 109(2):387–91, 11 Jun 76

Intracellular application of horseradish peroxidase and its light and electron microscopical appearance in spinocervical tract cells. Jankowska E, et al. Brain Res 105(3):557–62, 9 Apr 76

The central cervical nucleus as cell origin of a spinocerebellar tract arising from the cervical cord: a study in the cat using horseradish peroxidase. Matsushita M, et al. Brain Res 100(2):412–17, 19 Dec 75

Spinal localization of neurons receiving inputs from cutaneous afferents in the cat hindlimb. Randić M, et al. Brain Res 105(3):573–7, 9 Apr 76

The morphology of motoneurons and dorsal root fibers in the frog's spinal cord. Székely G. Brain Res 103(2):275–90, 20 Feb 76

The relation between capillaries and neurons in the caudal neurosecretory system of Pomatomus saltatrix. Kriebel RM, et al. Experientia 32(1):70–1, 15 Jan 76

Myeloarchitectonics of the hippocampal formation in the dog. Tryhubczak A. Folia Biol (Krakow) 23(2):177–88, 1975

Vertebromedullary topography and its postnatal changes in the rat. Istaith AR. Folia Morphol (Praha) 23(4):397–403, 1975

Relationship of the secondary sensitive cortex (SII) to the dorsal column nuclei (gracile and cuneate) in the dog. Maršala J, et al. Folia Morphol (Praha) 24(2):141–7, 1976

Does nigro-spinal connection exist in the rat? A study using the retrograde and antegrade degeneration method in acute and chronic experiments. Petrovický P. Folia Morphol (Praha) 24(1):53–61, 1976

On the vegetative network of guinea pig thoracic spinal cord. Galabov P, et al. Histochemistry 47(3):247–55, 28 Jun 76

Anatomical aspects of the functional organization of the vestibulospinal pathways. pp 71–96. Nyberg-Hansen R.

In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

The organisation of the spinotectal projection. An experimental study in the rat. Antonetty CM, et al. **J Comp Neurol** 163(4):449–65, 15 Oct 75

Afferent fibers in the substantia gelatinosa of the adult monkey (Macaca mulatta): a Golgi study. Beal JA, et al. **J Comp Neurol** 168(1):113–43, 1 Jul 76

Spinal terminal fields of dorsal root fibers in the pigeon (Columba livia). Leonard RB, et al. **J Comp Neurol** 163(2):181–92, 15 Sep 75

Descending pathways from the brain stem to the spinal cord in some reptiles. I. Origin. Ten Donkelaar HJ. **J Comp Neurol** 167(4):421–42, 15 Jun 76

Descending pathways from the brain stem to the spinal cord in some reptiles. II. Course and site of termination. Ten Donkelaar HJ. **J Comp Neurol** 167(4):443–63, 15 Jun 76

An experimental neuroanatomical study of the corticospinal system of the albino rat. Wen CY, et al. **J Formosan Med Assoc** 74(6):419–41, Jun 75

A brachial glycogen body in the spinal cord of the domestic chicken. Sansone FM, et al. **J Morphol** 148(1):23–31, Jan 76

Relationship between the medial longitudinal fasciculus and the dorsal longitudinal fasciculus. Ban T, et al. **Med J Osaka Univ** 25(3–4):79–94, Mar 75

Fibroarchitectonic relationships between the tectospinal and tecto–olivary tracts. An experimental anatomical study in the cat. Liu DS. **Okajimas Folia Anat Jpn** 52(4):215–32, Oct 75

Transneuronal cellular degeneration in the somatic sensory nuclei in the cat. II. Lateral cervical nucleus. Mateer JE, et al. **Okajimas Folia Anat Jpn** 52(4):197–214, Oct 75

The spinal route of sympatho–inhibitory pathways descending from the medulla oblongata. Coote JH, et al. **Pfluegers Arch** 359(4):335–47, 29 Sep 75

[The nucleus cervicalis lateralis in sheep] Hereć S, et al. **Pol Arch Weter** 17(4):731–6, 1975 (Eng. Abstr.) **(Pol)**

[Morphologic and cytophotometric indices of the state of the neurons of the spinal cord and spinal cord ganglia following exposure to gravitational stress] Dyskin EA, et al. **Arkh Anat Gistol Embriol** 69(7):19–23, Jun 75 (Eng. Abstr.) **(Rus)**

[Spatial organization of the direct connections of the sensory–motor cortex with the rhombencephalon and spinal cord in cats] Malskil VA, et al. **Neirofiziologiia** 8(2):126–33, 1976 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Vascular patterns in the chick embryo spinal cord in normal and experimentally modified development. Camosso ME, et al. **Acta Anat (Basel)** 95(3):349–67, 1976

Change of local spinal cord blood flow in acute ischaemia. Benoist G. **Acta Neurochir (Wien)** 35(1–3):57–64, 1976

Spinal cord vascularity. I. Extraspinal sources of spinal cord arteries in man. Tveten L. **Acta Radiol [Diagn] (Stockh)** 1F(1):1–16, Jan 76

Spinal cord vascularity. II. Extraspinal sources of spinal cord arteries in the rat. Tveten L. **Acta Radiol [Diagn] (Stockh)** 17(2):167–79, Mar 76

Spinal cord vascularity. III. The spinal cord arteries in man. Tveten L. **Acta Radiol [Diagn] (Stockh)** 17(3):257–73, May 76

Neurological complications of extraspinal. Smith RA. **Am Surg** 42(9):679–84, Sep 76

Spinal stroke. Silver JR, et al. **Brain** 97(3):539–50, Sep 74

Autoregulation of spinal cord blood flow. Kobrine AI, et al. **Clin Neurosurg** 22:573–81, 1975

Fibrocartilaginous emboli as the cause of ischemic myelopathy in a dog. Greene CE, et al. **Cornell Vet** 66(2):131–42, Apr 76

The mechanism of ischemia in anteroposterior compression of the spinal cord. Doppman JL. **Invest Radiol** 10(6):543–51, Nov–Dec 75

Vertebrobasilar artery insufficiency in rheumatoid atlantoaxial subluxation. Jones MW, et al. **J Neurol Neurosurg Psychiatry** 39(2):122–8, Feb 76

Spinal cord blood flow measured by a hydrogen clearance technique. Griffiths IR, et al. **J Neurol Sci** 26(4):529–44, Dec 75

Spinal cord blood flow after acute experimental cord injury in dogs. Griffiths IR. **J Neurol Sci** 27(2):247–59, Feb 76

Quantitative oxidative enzyme histochemistry of the spinal cord. Part 2. Relation of cell size and enzyme activity to vulnerability to ischaemia. Penny JE, et al. **J Neurol Sci** 26(2):187–92, Oct 75

Blood flow in normal and injured monkey spinal cord. Bingham WG, et al. **J Neurosurg** 43(2):162–71, Aug 75

Complete embolization of artery of Adamkiewicz to obliterate an intramedullary arteriovenous aneurysm. Case report. Decker RE, et al. **J Neurosurg** 43(4):486–9, Oct 75

Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia. Hall PV, et al. **J Neurosurg** 43(4):464–70, Oct 75

Spinal cord blood flow as affected by changes in systemic arterial blood pressure. Kobrine AI, et al. **J Neurosurg** 44(1):12–5, Jan 76

Unruptured aneurysm of the anterior spinal artery presenting as paraparesis. Case report. Leech PJ, et al. **J Neurosurg** 45(3):331–3, Sep 76

Rapid arteriovenous shunting in a spinal cord ependymoma. Case report. Yuhl ET, et al. **J Neurosurg** 44(6):744–7, Jun 76

Arteriovenous aneurisms of the spinal cord. Observations of 8 cases. Profeta G, et al. **J Neurosurg Sci** 18(2):98–108, Apr–Jun 74

Transendothelial vesicular transport of protein following compression injury to the spinal cord. Beggs JL, et al. **Lab Invest** 34(4):428–39, Apr 76

Combination of electron microscopy and the thioflavine S technique in studies of the spinal cord microvasculature. Dohrmann GJ, et al. **Microvasc Res** 10(2):228–33, Sep 75

The circulatory disturbance of spinal cord injury and its response to local cooling therapy. Tsubokawa T, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:87–93, 1975

Cinephotomicrography of dog spinal vessels during cord–damaging decompression sickness. Hallenbeck JM. **Neurology (Minneap)** 26(2):190–9, Feb 76

Some aspects of the spinal cord circulation in cervical myelopathy. Rovira M, et al. **Neuroradiology** 9(4):209–14, 29 Aug 75

Mesoscopic anatomy of posterior fossa and upper cervical canal in man. Hughes MG, et al. **Surg Forum** 26:472–4, 1975

Experimental cervical myelopathy: autoradiographic studies of spinal cord blood flow patterns. Gooding MR, et al. **Surg Neurol** 5(4):233–9, Apr 76

Surgical and angiographic localization of spinal arteriovenous malformations. Kasdon DL, et al. **Surg Neurol** 5(5):279–83, May 76

Complete microsurgical excision of cervical extramedullary and intramedullary vascular malformations. Yaşargil MG, et al. **Surg Neurol** 4(2):211–24, Aug 75

Massive spinal cord infarction due to vascular invasion by reticulum cell sarcoma. Isrow LA, et al. **Va Med Mon** 103(3):213–7, Mar 76

[Fenoxedil in cerebral and spinal cord circulatory insufficiency] Lehembre P, et al. **Lille Med** 21(1 suppl 1):1–3, Jan 76 **(Fre)**

[New views on the relationship between cardiac and spinal circulatory disorders] Jörg J, et al. **Nervenarzt** 47(2):112–7, Feb 76 **(Ger)**

[Differential diagnosis and therapy of circulation disorders of the spinal cord] Reisner H. **Wien Med Wochenschr** 125(18–20):284–7, 2 May 75 **(Ger)**

[Differences in the vascular network of various segments of the chick embryo spinal cord] Ambrosi G, et al. **Boll Soc Ital Biol Sper** 51(18):1213–6, 30 Sep 75 **(Ita)**

[Klippel–Trenaunay–Weber syndrome associated with spinal arteriovenous malformation, a 1st case reported in Japan] Saito M, et al. **Clin Neurol (Tokyo)** 15(7):458–64, Jul 75 (Eng. Abstr.) **(Jpn)**

[Two autopsied cases of spinal cord infarction associated with subacute myelo–optico–neuropathy (SMON) (author's transl)] Fujiwara T, et al. **J Jpn Soc Intern Med** 64(2):114–26, 10 Feb 75 **(Jpn)**

[Treatment of spinal cord arteriovenous malformation by surgical excision combined with afferent vessel coagulation–report of a case (author's transl)] Iwatsuki K, et al. **Neurol Surg (Tokyo)** 4(5):503–7, May 76 (Eng. Abstr.) **(Jpn)**

[Spinal cord arteriovenous malformation during pregnancy (author's transl)] Manabe T, et al. **Neurol Surg (Tokyo)** 4(3):271–6, Mar 76 (Eng. Abstr.) **(Jpn)**

[Adrenergic innervation of the extramedullary arteries of the spinal cord of cats] Palashchenko LD. **Arkh Anat Gistol Embriol** 69(8):42–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of gravitational loads of a training nature on the blood vessels of the rabbit spinal cord] Shishova VG. **Arkh Anat Gistol Embriol** 69(10):73–9, Oct 75 (Eng. Abstr.) **(Rus)**

Vascular reflexes in intact and spinal cats following local thermostimulation of the skin] Tsitsurin VI. **Fiziol Zh SSSR** 62(4):578–85, Apr 76 (Eng. Abstr.) **(Rus)**

[Chronic ischemia of the spinal cord in aortic arteriosclerosis] Bogorodinskiĭ DK, et al. **Sov Med** (4):23–6, Apr 75 (Eng. Abstr.) **(Rus)**

[Total removal of an arteriovenous aneurysm of the cervical region of the spinal cord] Kandel' EI, et al. **Vopr Neirokhir** (5):53–5, Sep–Oct 75 **(Rus)**

[Neuron–capillary interrelationships in the lateral horn of the spinal cord] Gitilis VS. **Zh Nevropatol Psikhiatr** 76(7):975–8, 1976 (Eng. Abstr.) **(Rus)**

[Combined cerebral and spinal circulatory disorders] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 16(1):29–32, 1976 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Morphological characteristics of dendrite bundles in the lumbar spinal cord of the rat. Anderson WJ, et al. **Brain Res** 110(2):215–27, 9 Jul 76

AChE–positive and –negative motoneurones in the spinal cord of Sternarchus albifrons. SANDRI C, et al. **Brain Res** 111(1):157–62, 23 Jul 76

Myelin formation in cultures of previously dissociated mouse spinal cord. Bird M, et al. **Cell Tissue Res** 162(1):93–105, 16 Sep 75

Effect of osmotic pressure on neurogenesis in cultures of chich embryo spinal cords. Fisher KR, et al. **In Vitro** 11(6):329–37, Nov–Dec 75

A cytoarchitectonic analysis of the spinal cord of the pigeon (Columba livia). Leonard RB, et al. **J Comp Neurol** 163(2):159–80, 15 Sep 75

Reconstruction of neurons of dorsal horn proper using Golgi–stained serial sections. Mannen H, et al. **J Comp Neurol** 168(2):303–12, 15 Jul 76

Glycogen metabloism in the developing chick glycogen body: functional significance of the direct oxidative pathway. Benzo CA, et al. **J Exp Zool** 193(2):161–6, Aug 75

Teased single C.N.S. fibres observed by light and electron microscopy. Allt G, et al. **J Neurocytol** 4(6):647–51, Dec 75

On the occurrence of Schwann cells within the normal central nervous system. Raine CS. **J Neurocytol** 5(3):371–80, Jun 76

Morphometry of myelinated fibers of fasciculus gracilis of man. Ohnishi A, et al. **J Neurol Sci** 27(2):163–72, Feb 76

Pentylenetetrazol: an antagonist of GABA at primary afferents of the isolated frog spinal cord. Nicoll RA, et al. **Neuropharmacology** 15(1):69–71, Jan 76

Effect of electrical stimulation of the medullary respiratory neurons on respiratory air flow in cats. New findings on expiratory neurons. Tabatabai M, et al. **Pahlavi Med J** 7(2):222–32, Apr 76

Tracing axons and axon collaterals of spinal neurons using intracellular injection of horseradish peroxidase. Snow PJ, et al. **Science** 191(4224):312–3, 23 Jan 76

A modification of the rapid Golgi method. Kemali M. **Stain Technol** 51(3):169–72, May 76

New findings on special cistern aggregates in the spinal cord and cerebellum of the cat. Carrato Ibañez A, et al. **Trab Inst Cajal Invest Biol** 63:125–37, 1971

[The Schmidt–Lantermann incisures of the myelin sheath of Mauthner axons: site of longitudinal myelin growth] Celio MR. **Brain Res** 108(2):221–35, 28 May 76 (Eng. Abstr.) **(Ger)**

[Effects of thinner fibers on spinal neurones in the cat (author's transl)] Fukushima K. **Hokkaido J Med Sci** 50(3):311–28, May 75 (Eng. Abstr.) **(Jpn)**

[Differentiation of functions of motor neurons of the spinal cord] Miyata Y. **Jpn J Clin Med** 33(10):2905–11, Oct 75 (20 ref.) **(Jpn)**

[Changes in the dimensions of motor neurons and their components with different forms of nerve center activation] Darinskaia VS, et al. **Arkh Anat Gistol Embriol** 70(1):85–90, Jan 76 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of interneuronal dimensions in the cervical segments of the cat spinal cord] Klering PG. **Neirofiziologiia** 8(2):205–8, 1976 (Eng. Abstr.) **(Rus)**

[Biochemical and cytospectrophotometric analysis of the extraction of RNA from spinal cord cell structures] Venkov L, et al. **Tsitologiia** 17(7):858–61, Jul 75 (Eng. Abstr.) **(Rus)**

[Several quantitative characteristics of the neuronal composition of the cervical region of the cat spinal cord] Klerinh PH. **Fiziol Zh** 21(5):635–41, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Effects of synthetic buffers on reflexes in the isolated frog spinal cord. Davidoff RA, et al. **Am J Physiol** 229(3):831–7, Sep 75

Modulation of spinal–cord function by anesthesia. Taub A, et al. **Anesthesiology** 43(4):383–5, Oct 75

Indirect and direct depressive effects of morphine on activation of lamina V cell of the spinal dorsal horn induced by intra–arterial injection of bradykinin. Takagi H, et al. **Arch Int Pharmacodyn Ther** 221(1):96–104, May 76

Proceedings: Bimodal effect of glycine of frog spinal motoneurones. Evans RH, et al. **Br J Pharmacol** 55(2):281P, Oct 75

Ontogeny of behavioral sensitivity to strychnine in the chick embryo: evidence for the early onset of CNS inhibition. Oppenheim RW, et al. **Brain Behav Evol** 11(2):130–59, 1975

Effects of GABA, glycine, picrotoxin and bicuculline methochloride on rubrospinal neurones in cats. Altmann H, et al. **Brain Res** 111(2):337–45, 30 Jul 76

Effects of morphine and naloxone on Renshaw cells and spinal interneurones in morphine dependent and non–dependent rats. Davies J. **Brain Res** 113(2):311–26, 27 Aug 76

Alpha–bungarotoxin, cobra neurotoxin and excitation of Renshaw cells by acetylcholine. Duggan AW, et al. **Brain Res** 107(1):166–70, 30 Apr 76

The effects of beta–carbolines on responses to acetylcholine, noradrenaline, 5–hydroxytryptamine and amino acids in the rat spinal cord. Headley PM, et al. **Brain Res** 101(3):479–88, 23 Jan 76

Effects of substance P on functionally identified units in cat spinal cord. Henry JL. **Brain Res** 114(3):439–51, 24 Sep 76

Depressive effects of morphine upon lamina V cells activities in the dorsal horn of the spinal cat. Le Bars D, et al. **Brain Res** 98(2):261–77, 14 Nov 75

Effects of morphine upon the lamina V type cells activities in the dorsal horn of the decerebrate cat. LeBars D, et al. **Brain Res** 113(2):293–310, 27 Aug 76

Morphine–induced changes in the spontaneous and electrically evoked acetylcholine release from the isolated spinal cord. Nistri A. **Brain Res** 110(2):403–6, 9 Jul 76

Morphine analgesia: blockade by raphe magnus lesions. Proudfit HK, et al. **Brain Res** 98(3):612–18, 21 Nov 75

Effects of 5–hydroxytryptamine and bradykinin in cat dorsal horn neurones activated by noxious stimuli. Randić M, et al. **Brain Res** 111(1):197–203, 23 Jul 76

Pentobarbital selectively enhances GABA–mediated post–synaptic inhibition in tissue cultured mouse spinal

neurons. Ransom BR, et al. **Brain Res** 114(3):530–5, 24 Sep 76

Antagonism between Lioresal and substance P in rat spinal cord. Saito K, et al. **Brain Res** 97(1):177–80, 24 Oct 75

The blockade of presynaptic and postsynaptic bulbospinal inhibition of the cat spinal monosynaptic reflex by imipramine. Sastry BS, et al. **Brain Res** 110(2):399–402, 9 Jul 76

Inhibitory postsynaptic actions of taurine, GABA and other amino acids on motoneurons of the isolated frog spinal cord. Sonnhof U, et al. **Brain Res** 100(2):327–41, 19 Dec 75

Substance P and excitatory transmitter of primary sensory neurons. Otsuka M, et al.
Cold Spring Harbor Symp Quant Biol 40:135–43, 1975

Steroid anaesthesia (Althesin – CT 1341) and dorsal horn cell activities in feline spinal cord. Bars D, et al.
Eur J Pharmacol 38(1):165–73, Jul 76

The effect of morphine on the activity evoked in ventrolateral tract axons of the cat spinal cord. Jurna I, et al. **Exp Brain Res** 24(5):473–84, 15 Mar 76

Interaction of iontophoretically applied morphine with responses of interneurons in cat spinal cord. Dostrovsky JO, et al. **Exp Neurol** 52(2):325–38, Aug 76

Further investigations into the effects of baclofen (Lioresal) on the isolated spinal cord. Nistri A. **Experientia** 31(9):1066–8, 15 SEP 75

The physiological effects of ionic lanthanum on the insect blood–brain barrier. Thomas MV, et al. **Experientia** 32(6):720–1, 15 Jun 76

Some pharmacological effects on dorsal horn cells. pp. 182–92. Besson JM.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Effects of delta9–tetrahydrocannabinol on the homosynaptic depression in the spinal monosynaptic pathway: implications for transmitter dynamics in the primary afferents. pp. 383–95. Capek R, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.

Nicotine–induced reflex depression of alpha motoneuron activity in the absence of fusimotor–spindle feedback. Ginzel KH, et al. **J Neurosci Res** 1(3–4):253–65, 1975

The depressant effect of halothane and sodium thiopental on the spontaneous and evoked activity of dorsal horn cells: lamina specificity, time course and dose dependence. Kitahata LM, et al. **J Pharmacol Exp Ther** 195(3):515–21, Dec 75

Actions of methoxamine and tryptamine and their interactions with cyproheptadine and phenoxybenzamine on cat spinal cord segmental reflexes. Vaupel DB, et al.
J Pharmacol Exp Ther 196(1):87–96, Jan 76

Proceedings: Effects of the para–chlorophenyl derivative of GABA on spinal neurones in the cat. Ben–Ari Y, et al.
J Physiol (Lond) 259(1):46P–47P, Jul 76

The interaction of porphyrin precursors with GABA receptors in the isolated frog spinal cord. Nicoll RA.
Life Sci 19(4):521–5, 15 Aug 76

Evaluation of the neurotoxicity of water–soluble myelographic contrast agents by electrophysiological monitors. Allen WE 3d, et al. **Radiology** 118(1):89–95, Jan 76

Analgesia mediated by a direct spinal action of narcotics. Yaksh TL, et al. **Science** 192(4246):1357–8, 25 Jun 76

The effect of strychnine on membrane properties of spinal motoneurons in the cat. Lee KC, et al. **Yonsei Med J** 16(2):1–28, 1975

[Protective effects of N–(hydroxy–2–ethyl) cinnamamide (LCB 29) on rats spinal cord. II. Histoautoradiographic study (author's transl)] Wegmann R, et al.
Ann Histochim 20(1):1–13, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Effect of CO2 on unit activities of cells in layer V of Rexed of the dorsal horn of cat spinal cord] Catchlove RF, et al. **C R Acad Sci [D] (Paris)** 279(12):1023–6, 16 Sep 74 **(Fre)**

[Effect of noninhalant anesthetics on the conduction of excitation in the ventrolateral columns of the cat spinal cord] Chichenkov ON. **Farmakol Toksikol** 38(3):281–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Spinal cord electrical activity during focal depression of inhibitory processes] Lutsenko VK, et al.
Neirofiziologiia 7(5):509–18, 1975 (Eng. Abstr.) **(Rus)**

[The effect of glycine and gamma–aminobutyric acid on the excitability of the central terminals of primary afferent fibers] Sverdlov IuS, et al. **Neirofiziologiia** 7(4):388–94, 1975 **(Rus)**

[The effect of vitamin E and rancid fish liver oil on the spinal cord motoneurons of white rats] Teplyĭ DL, et al.
Tsitologiia 18(3):296–300, Mar 76 (Eng. Abstr.) **(Rus)**

[Spinal mechanisms of motor disinhibition following barbamyl administration] Kaufman DA.
Zh Nevropatol Psikhiatr 75(12):1814–21, 1975 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Some observations on early myelination in the human spinal cord. Light and electron microscope study. Meier C.
Brain Res 104(1):21–32, 5 Mar 76

Development of the action potential in embryo amphibian neurons in vivo. Spitzer NC, et al. **Brain Res** 107(3):610–6, 14 May 76

Inhibition of muscle cell development in culture by cells from spinal cord due to production of low molecular weight factor. Kagen LJ, et al. **Dev Biol** 48(1):25–34, Jan 76

Quantitative analysis of myelination in the thoracic segments of the spinal cord of human embryos and fetuses. Malínská J, et al. **Folia Morphol (Praha)** 24(2):187–90, 1976

Circulation and turnover of synaptic vesicle membrane in cultured fetal mammalian spinal cord neurons. Teichberg S, et al. **J Cell Biol** 67(1):215–30, Oct 75

The distribution of non–synaptic intercellular junctions during neurone differentiation in the developing spinal cord of the clawed toad. Hayes BP, et al.
J Embryol Exp Morphol 33(2):403–17, Apr 75

Growth of diseased human muscle in combined cultures with normal mouse embryonic spinal cord. Witkowski JA, et al. **J Neurol Sci** 26(2):203–20, Oct 75

125I–Labelled tetanus toxin as a neuronal marker in tissue cultures derived from embryonic CNS. Dimpfel W, et al.
Naunyn Schmiedebergs Arch Pharmacol 290(2–3):329–33, 24 Sep 75

[The ultrastructure of spinal cord capillaries during embryonic development] Ichev K. **Eksp Med Morfol** 11(2):84–8, 1972 (Eng. Abstr.) **(Bul)**

[Differention of the neural tube. Experimental study in chick and quail embryos] Jacob HJ, et al. **Acta Anat (Basel)** 94(2):204–20, 1976 (Eng. Abstr.) **(Ger)**

[The early differentiation of the perinotochordal connective tissue. A scanning and transmission electron microscopic study on chick embryos (author's transl)] Jacob M, et al.
Experientia 31(9):1083–6, 15 SEP 75 (Eng. Abstr.) **(Ger)**

[Effect of surrounding tissue on the morphogenesis of spinal cord in chick embryo] Jacob HJ, et al. **Verh Anat Ges** 69:271–4, 1975 **(Ger)**

[Analysis of correlations between the development of the blood vessels and histogenesis of the spinal ganglia] Roncali L, et al. **Boll Soc Ital Biol Sper** 51(18):1217–22, 30 Sep 75 **(Ita)**

[Myelination of the fibres of the spinal cord in the chicken embryo] Del Grande P. **Riv Biol** 67(4):423–44, Oct–Dec 74 **(Ita)**

[Time of origin of cells in the histiogenesis of the spinal cord] Gracheva ND. **Arkh Anat Gistol Embriol** 68(4):22–8, Apr 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Representation of cutaneous afferents by fluoride–resistant acid phosphatase (FRAP)–active terminals in the rat substantia gelatinosa rolandi. Knyihár E, et al.
Acta Neurol Scand 53(3):217–25, Mar 76

Enzymic hydrolysis of myelin basic protein and other proteins in central nervous system and lymphoid tissues from normal and demyelinating rats. Buletza GF Jr, et al.
Biochem J 156(3):627–33, 15 Jun 76

Intraspinal glutamic decarboxylase distribution after transection of the cord as the thoracic level. Tappaz ML, et al. **Brain Res** 111(1):220–3, 23 Jul 76

Quantitative localization of tyrosine hydroxylase, dopamine–beta–hydroxylase, phenolethanolamine–N–methyl transferase, and glutamic acid decarboxylase in spinal cord. Zivin JA, et al.
Brain Res 105(1):151–6, 19 Mar 76

Effects of physical training on the histochemistry and morphology of ventral motor neurons. Gerchman LB, et al. **Exp Neurol** 49(3):790–801, Dec 75

Acetylcholinesterase distribution in chick spinal cord cultures. A light and electron microscope study. Kim SU.
Histochemistry 48(3):205–17, 25 Aug 76

Immunocytochemical localization of glutamate decarboxylase in rat spinal cord. McLaughlin BJ, et al.
J Comp Neurol 164(3):305–21, 1 Dec 75

Physiological and pathological changes in tissue monoamine oxidase activity. Youdim MB, et al. **J Neural Transm** 38(3–4):193–229, 1976 (162 ref.)

Presence of 15–hydroxy prostaglandin dehydrogenase, prostaglandin–delta13–reductase and prostaglandin E–9–keto(alpha)–reductase in the frog spinal cord. Bishai I, et al. **J Neurochem** 26(6):1167–74, Jun 76

The quantitative histochemistry of multiple sclerosis plaques: acid proteinase and other acid hydrolases. Hirsch HE, et al. **J Neurochem** 26(3):505–12, Mar 76

Developmental changes in activity of choline acetyltransferase, acetyl–cholinesterase and glutamic acid decarboxylase in the central nervous system of the toad. Xenopus laevis. Loh YP. **J Neurochem** 26(6):1303–5, Jun 76

Retrograde oxidative reactions after section of the rubrospinal tract. Hanson M, et al. **Perspect Biol Med** 19(3):381–7, Spring 76

Localization of the D–(—)–beta–hydroxybutyric dehydrogenase in spinal cord of mammals. Rodríguez M, et al. **Trab Inst Cajal Invest Biol** 63:65–75, 1971

[Effect of high altitude hypoxia of different intensity on the spinal cord and medulla oblongata during ontogenesis of the rat (author's transl)] Trojan S, et al. **Sb Lek** 78(1):6–9, Jan 76 (Eng. Abstr.) **(Cze)**

[Histochemical evidence of aminotransferases. II. Localization of aminotransferases in the medulla spinalis and metencephalon of the rat (author's transl)] Lolova I, et al. **Acta Histochem (Jena)** 52(1):1–12, 1975 (Eng. Abstr.) **(Ger)**

[Cytophotometric correlation of changes in the RNA and protein concentrations of perineuronal oligodendrogliocytes and ependymal cells of the spinal cord under different experimental conditions] Pevzner LZ.
Tsitologiia 18(4):499–502, Apr 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ultrastructural studies on postnatal differentiation of neurons in the substantia gelatinosa of rat cervical spinal cord. Hannah RS, et al. **Anat Rec** 183(2):323–37, Oct 75

Spontaneous elimination of synapses on cat spinal motoneurons after birth: do half of the synapses on the cell bodies disappear? Conradi S, et al. **Brain Res** 92(3):505–10, 18 Jul 75

The growth and myelination of central and peripheral segments of ventral motoneurone axons. A quantitative ultrastructural study. Fraher JP. **Brain Res** 105(2):193–211, 26 Mar 76

Kinetic studies on glial, Schwann and capsular cells labelled with [3H] thymidine in cerebrospinal tissue of young mice. Kraus–Ruppert R, et al. **J Neurol Sci** 26(4):555–63, Dec 75

Nonuniformity of the oligodendroglial ensheathment of axons during myelination in the developing rat central nervous system. A serial section electron microscopical study. Knobler RL, et al. **J Ultrastruct Res** 55(3):417–32, Jun 76

[Development of spinal cord copulatory activity in male white rats during ontogenesis] Oleinikov VA. **Fiziol Zh** 21(4):535–7, Jul–Sep 75 **(Ukr)**

IMMUNOLOGY

Experimental allergic encephalomyelitis (EAE) in mice. I. Induction of EAE with mouse spinal cord homogenate and myelin basic protein. Yasuda T, et al. **Jpn J Exp Med** 45(5):423–7, Oct 75

[Formation of a specific antigen in spinal cord synaptic structures of rats with local tetanus] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 79(5):22–5, May 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Changes of extracellular K+ in the frog spinal cord. Syková E, et al. **Act Nerv Super (Praha)** 18(1–2):80–2, Jun 76

Control of extracellular K+ in the spinal cord of the cat. Vyklický L, et al. **Act Nerv Super (Praha)** 18(1–2):79–80, Jun 76

Neurotoxicity of hydroxylated tryptamines: structure–activity relationships. I. Long–term effects on monoamine content and fluorescence morphology of central monoamine neurons. Baumgarten HG, et al.
Acta Physiol Scand [Suppl] (429):5–27, 1975

Cerebroside accumulation, biphasic myelination and fatty acid synthesis in pig spinal cord during development. Sweasey D, et al. **Biochem Soc Trans** 3(5):698–701, 1975

Proceedings: Effects of morphine on acetylcholine release from the frog spinal cord. Nistri A. **Br J Pharmacol** 56(3):352P, Mar 76

Electrolyte distribution in toad sciatic nerve and spinal cord. Astrada CA, et al. **Brain Res** 98(2):279–89, 14 Nov 75

Rapidly transported proteins in sensory, motor and sympathetic nerves of the isolated frog nervous system. Barker JL, et al. **Brain Res** 105(3):497–515, 9 Apr 76

[3H]taurine accumulation by frog spinal cord slices. Davidoff RA, et al. **Brain Res** 110(2):392–8, 9 Jul 76

Glutamate breakdown during electric field stimulation. Haschke RH, et al. **Brain Res** 102(2):351–4, 6 Feb 76

Brain stem and spinal cord mediation of a serotonergic behavioral syndrome. Jacobs BL, et al. **Brain Res** 100(2):450–7, 19 Dec 75

Compartmentation of [U–14C]proline metabolism in the dorsal root ganglion: contrasts with the ventral spinal cord gray and cerebral cortex. Johnson JL. **Brain Res** 96(1):192–6, 10 Oct 75

A comparative analysis of compartmentation of metabolism in the dorsal root ganglion and ventral spinal cord gray using [U–14C]glucose, [2–14C]glucose, [6–14C]glucose, [3,4–14C]glucose, NaH14CO3, and [2–14C]pyruvate. Johnson JL. **Brain Res** 101(3):523–32, 23 Jan 76

Aspartic acid as a precursor for glutamic acid and glycine. Johnson JL. **Brain Res** 67(2):358–62, 22 Feb 74

3–Methoxy–4–hydroxyphenylethyleneglycol (mhpg) transport from the spinal cord during spinal subarachnoid perfusion. Kessler JA, et al. **Brain Res** 102(1):131–41, 30 Jan 76

Opiate receptor binding in primate spinal cord: distribution and changes after dorsal root section. Lamotte C, et al.
Brain Res 112(2):407–12, 13 Aug 76

Norepinephrine levels in traumatized spinal cord of catecholamine–depleted cats. Schoultz TW, et al.
Brain Res 109(2):367–74, 11 Jun 76

Electron microscopic evidence for a transsynaptic migration of tetanus toxin in spinal cord motoneurons: an autoradiographic and morphometric study. Schwab ME, et al. **Brain Res** 105(2):213–27, 26 Mar 76

Activity–related increases of glucose utilization associated with reduced incorporation of glucose into its derivatives. Sharp FR. **Brain Res** 107(3):663–6, 14 May 76

Accumulation of extracellular potassium in the spinal cord of frog. Syková E, et al. **Brain Res** 106(2):413–7, 23 Apr 76

Early changes in protein synthesis following spinal cord hemisection in the Cebus monkey (Cebus apella). Wells MR, et al. **Brain Res** 111(1):31–40, 23 Jul 76

Changes in regional blood–flow and water content of brain and spinal cord in acute and chronic experimental

hydrocephalus. Hochwald GM, et al.
Dev Med Child Neurol [Suppl] (35):42–50, 1975

Behavioral evidence for the rapid release of CNS serotonin by PCA and fenfluramine. Trulson ME, et al.
Eur J Pharmacol 36(1):149–54, Mar 76

Effects of neonatal undernutrition on the lipid composition of the spinal cord in rats. Rajalakshmi R, et al.
Exp Neurol 51(2):330–6, May 76

Uptake of L-glutamate and L-aspartate in neurones and glial cells of cultured human and rat spinal cord. Hösli E, et al. **Experientia** 32(2):219–22, 15 Feb 76

Calcium and magnesium deficiency-induced atrophy of muscle and calcium accumulation in the spinal cord. Nakagawa S, et al. **Experientia** 32(7):915–7, 1976

Potassium, neuroglia, and oxidative metabolism in central gray matter. Somjen GG, et al. **Fed Proc** 35(6):1266–71, 1 May 76

Synthesis and disappearance of central noradrenaline and dopamine: regulation via nerve impulses and receptor activity. pp. 143–9. Andén NE, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

On amino acid involvement in basic mechanisms of the epilepsies. pp. 195–212. Bradford HF.
In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975. (92 ref.)

Extracellular potassium in the CNS: relation to excitability changes. pp. 172–81. Lux HD.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b. (22 ref.)

Bulbospinal noradrenaline and 5-hydroxytryptamine neuron systems following intra-cisternal 6-hydroxydopamine: number of cell bodies and axons, nerve terminal densities, 3H-transmitter uptake, and hindlimb reflexes. pp. 247–52. Olson L, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.

Effect of traumatic stress on catecholamine synthesis and metabolism in the spinal cord. pp. 367–75. Naftchi NE, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Glycine-specific synapses in rat spinal cord. Identification by electron microscope autoradiography. Price DL, et al. **J Cell Biol** 68(2):389–95, Feb 76

Effects of ingestion of a carbohydrate-fat meal on the levels and synthesis of 5-hydroxyindoles in various regions of the rat central nervous system. Colmenares JL, et al.
J Neurochem 25(6):825–9, Dec 75

Regional distribution and properties of the glycine cleavage system within the central nervous system of the rat: evidence for an endogenous inhibitor during in vitro assay. Daly EC, et al. **J Neurochem** 26(1):179–85, JAN 76

Homovanillic acid and
3-methoxy-4-hydroxyphenylethyleneglycol production by the monkey spinal cord. Kessler JA, et al.
J Neurochem 26(6):1057–61, Jun 76

Neurotoxicity of a non-metabolizable amino acid, 1-aminocyclopentane-1-carboxylic acid: regional protein levels and lipid composition of nervous tissue. Nixon RA.
J Neurochem 27(1):237–44, Jul 76

Neurochemistry of the spinal cord in congenital tremor of piglets (type AII), a spinal dysmyelinogenesis of infectious origin. Patterson DS, et al. **J Neurochem** 26(3):481–5, Mar 76

The effects of spinal cord transection and intracisternal 6-hydroxydopamine on phenylethanolamine-N-methyl transferase (PNMT) activity in rat brain stem and spinal cord. Reid JL, et al. **J Neurochem** 26(3):629–31, Mar 76

Postnatal development of 5-hydroxytryptamine and monoamine oxidase in rat spinal cord. Suzuki O, et al.
J Neurochem 27(1):319–20, Jul 76

Neurochemical changes in the cat's spinal cord due to orthodromic tetanic stimuli. I: phospholipids. Althaus HH, et al. **J Neurosci Res** 1(3-4):243–51, 1975

Proceedings: Distribution and localization of tritiated amino acids by autoradiography in the cat spinal cord in vivo. Dennison ME, et al. **J Physiol (Lond)** 258(2):55P–56P, Jun 76

Norepinephrine and dopamine levels in normal dog and monkey spinal cord. Bingham WG, et al. **Life Sci** 16(10):1521–6, 15 May 75

Noradrenaline synthesis and utilization: control by nerve impulse flow under normal conditions and after treatment with alpha-adrenoreceptor blocking agents. Grabowska M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):53–8, 14 Jan 76

Spastic paresis after 6-aminonicotinamide: metabolic disorders in the spinal cord and electromyographically recorded changes in the hind limbs of rats. Herken H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(3):245–55, 21 Jun 76

The effect of electrical stimulation and drugs on the release of acetylcholine from the frog spinal cord. Nistri A.
Naunyn Schmiedebergs Arch Pharmacol 293(3):269–76, 21 Jun 76

Neurochemical aspects of post-tetanic potentiation of monosynaptic reflexes in the cat spinal cord. III. Analysis of amino acids after long-term potentiation. Neuhoff V, et al. **Neurobiology** 5(5):254–61, Oct 75

Homovanillic acid transport by the spinal cord. Kessler JA, et al. **Neurology (Minneap)** 26(5):434–40, May 76

External detection of axoplasmic flow using radionuclides. Widén L, et al. **Neuroradiology** 10(4):197–203, 1976

Altered levels of PGF in cat spinal cord tissue following traumatic injury. Jonsson HT Jr, et al. **Prostaglandins** 11(1):51–61, Jan 76

Neurochemical evidence for tryptaminergic ascending and descending pathways in the spinal cord of the dog. Martin WR, et al. **Psychopharmacologia** 43(2):131–4, 21 Aug 75

Immediate consequences of spinal cord injury: possible role of potassium in axonal conduction block. Eidelberg E, et al. **Surg Neurol** 3(6):317–21, Jun 75

[Autoradiographic analysis of the incorporation of uridine-H3 into hyperchromic motoneurons of mouse spinal cord] Iarygin VN, et al. **Biull Eksp Biol Med** 79(6):105–7, Jun 75 (Eng. Abstr.) **(Rus)**

[Oxidative phosphorylation in rat spinal cord mitochondria in tetanus] Sakharova OP, et al. **Biull Eksp Biol Med** 80(12):20–2, Dec 75 (Eng. Abstr.) **(Rus)**

[Intensity of phospholipid and cholesterol synthesis in the brain and spinal cord of rabbits with experimental allergic encephelomyelitis] Taranova NN, et al.
Biull Eksp Biol Med 81(3):291–3, Mar 76 (Eng. Abstr.) **(Rus)**

[Neural pathway of entry of vitamin B1 into the central nervous system] Pletsityĭ KD, et al.
Dokl Akad Nauk SSSR 224(2):491–2, 11 Sep 75 **(Rus)**

[Cyotchemical indices of the protein-synthesizing apparatus of hyperchromic nerve cells] Iargin VN, et al.
Tsitologiia 18(4):464–9, Apr 76 **(Rus)**

[Glycolipids of rabbit spinal cord in experimental allergic encephalomyelitis] Taranova NP, et al. **Vopr Med Khim** 21(4):385–90, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Concentration and persistence in the central nervous system. Experimental study on diphenylhydantoin] De Negrotto OV, et al. **Acta Neurol Lat Am** 19(1-4):112–8, 1973 (Eng. Abstr.) **(Spa)**

[The effect of antidromic stimulation of spinal motor neurons on nucleic acid turnover in their cytoplasm] Slyvko EI, et al. **Fiziol Zh** 21(3):400–1, May-Jun 75 **(Ukr)**

PATHOLOGY

Anoxic encephalopathy with predominant involvement of basal ganglia, brain stem and spinal cord in the perinatal period. Report on seven newborns. Schneider H, et al.
Acta Neuropathol (Berl) 32(4):287–98, 1 Oct 75

Fetal pathology and ultrastructure of neuropathic Gaucher's disease. Kamoshita S, et al. **Adv Exp Med Biol** 68:63–75, 1976

Brain and spinal cord lesions in pigs inoculated with swine vesicular disease (UKG strain) virus and coxsackievirus B5. Monlux VS, et al. **Am J Vet Res** 36(12):1745–9, Dec 75

Adult (chronic) GM2 gangliosidosis. Atypical spinocerebellar degeneration in a Jewish sibship. Rapin I, et al. **Arch Neurol** 33(2):120–30, Feb 76

Displacement of cerebellar tissue into spinal canal. A component of the respirator brain syndrome. Herrick MK, et al. **Arch Pathol** 99(11):565–71, Nov 75

Method for obtaining spinal-cord tissue for electron microscopy. Technical note. Pacheco P, et al.
Bol Estud Med Biol 28(5):179–81, Jan 74

Foramen magnum and high cervical cord compression. Taylor AR, et al. **Brain** 97(3):473–80, Sep 74

Fenestrated CNS blood vessels in chronic experimental allergic encephalomyelitis. Synder DH, et al. **Brain Res** 100(3):645–9, 26 Dec 75

Mechanisms of functional loss and recovery in spinal cord damage. McDonald WI. **Ciba Found Symp** (34):23–33, 1975

A clinical and neuropathological study of a patient with abrachia (congenital absence of both arms). Op de Coul AA, et al. **Clin Neurol Neurosurg** 78(2):139–47, 1975

Pathology of spinal cord injury in experimental lesions. White RJ. **Clin Orthop** (112):16–26, Oct 75 (27 ref.)

Neuronal parasitism and cell fusion in mouse cytomegalovirus encephalitis. Margolis G, et al. **Exp Mol Pathol** 25(1):20–30, Aug 76

The appearance of degenerating dorsal column tract in the clava and cuneate tubercle of the dog after surgical and ischaemic injury. Badonič T. **Folia Morphol (Praha)** 24(2):199–202, 1976

Retrograde changes in the nerve fibers of the dorsal spinocerebellar and spinocervical tracts in the cat. Loewy AD. **J Comp Neurol** 164(1):1–21, 1 Nov 75

Spinal cord compression by a rheumatoid nodule. Fairburn B. **J Neurol Neurosurg Psychiatry** 38(11):1056–8, Nov 75

Sensory system involvement in infantile spinal muscular atrophy. Marshall A, et al. **J Neurol Sci** 26(3):349–59, Nov 75

Neuropathologic effects of intrathecal water. Kelly JM, et al. **J Neuropathol Exp Neurol** 34(5):388–400, Sep 75

Neuropathologic changes in ataxia-telangiectasia. De León GA, et al. **Neurology (Minneap)** 26(10):947–51, Oct 76

Cinephotomicrography of dog spinal vessels during cord-damaging decompression sickness. Hallenbeck JM. **Neurology (Minneap)** 26(2):190–9, Feb 76

Acute ischemic transection of peripheral axons in angiopathic neuropathy. No demyelination of fasciculus gracilis or decreased number or size of cytons of spinal ganglion neurons. Onishi A, et al. **Neurology (Minneap)** 25(11):1059–64, Nov 75

Demyelination in the central nervous system of the cat studied by single fibre isolation. Ohlrich GD, et al.
Proc Aust Assoc Neurol 11:77–87, 1974

Evaluation of chromatin clumping and myelination of the spinal cord of pigs with congential tremor. Lamar CH, et al. **Vet Pathol** 12(1):1–5, 1975

[Chronic pernicious course in multiple sclerosis with involvement of the optic nerves and total spinal sclerosis (diffuse spinal sclerosis) (author's transl)] Frank G.
J Neurol 212(1):23–40, 23 Mar 76 (Eng. Abstr.) **(Ger)**

[Histopathological studies of the spinal cord following subarachnoid block using phenol—clinical and experimental studies] Tamura K. **Jpn J Anesthesiol** 24(7):681–94, Jul 75 (Eng. Abstr.) **(Jpn)**

[Changes in the spinal cord of rats following the effects of single and multiple gravitational overloads of the 'head-pelvis' direction] Sokolova ZA.
Arkh Anat Gistol Embriol 69(8):51–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Pathomorphology of the spinal cord in intrauterine diseases of premature infants] Popova NI. **Pediatriia** (10):66–7, Oct 75 **(Rus)**

[A peculiar form of spinal amyotrophy encountered in a limited area of Belorussia] Votiakov VI, et al.
Zh Nevropatol Psikhiatr 75(6):825–30, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Postural adjustments in cats after incomplete transection of the spinal cord. Afelt Z. **Act Nerv Super (Praha)** 18(1-2):126–33, Jun 76

Limb coordinations during locomotion in amygdalar, rubral and funicular cats. Afelt Z, et al.
Acta Neurobiol Exp (Warsz) 35(4):379–88, 1975

Central nervous structures participanting in the simple recognition of touch. Norrsell U.
Acta Neurobiol Exp (Warsz) 35(5-6):707–14, 1975 (25 ref.)

Studies on the human evoked electrospinogram. II. The conduction velocity along the dorsal funiculus. Ertekin C.
Acta Neurol Scand 53(1):21–38, Jan 76

Studies on the human evoked electrospinogram. I. The origin of the segmental evoked potentials. Ertekin C.
Acta Neurol Scand 53(1):3–20, Jan 76

Impedance and spontaneous electrical activity as a localizing method in percutaneous spinal surgery. Fujita S, et al.
Acta Neurol Scand 53(3):201–8, Mar 76

Arterial pressure, cardiac output and systemic resistance before and after pithing in normotensive and spontaneously hypertensive rats. Albrecht I, et al. **Acta Physiol Scand** 94(3):378–85, Jul 75

Rubrospinal control of static and dynamic fusimotor neurones. Appelberg B, et al. **Acta Physiol Scand** 95(4):431–40, Dec 75

Rubrospinal effects on ventral spinocerebellar tract neurones. Baldissera F, et al. **Acta Physiol Scand** 29(2):233–49, Feb 76

Effects from the vestibulospinal tract on transmission from primary afferents to ventral spino-cerebellar tract neurones. Baldissera F, et al. **Acta Physiol Scand** 29(2):217–32, Feb 76

Convergence on interneurones mediating the reciprocal Ia inhibition of motoneurones. I. Disynaptic Ia inhibition of Ia inhibitory interneurones. Hultborn H, et al.
Acta Physiol Scand 29(2):193–201, Feb 76

Convergence on interneurones mediating the reciprocal Ia inhibition of motoneurones. III. Effects from supraspinal pathways. Hultborn H, et al. **Acta Physiol Scand** 96(3):368–91, Mar 76

Muscle spindle control during locomotor movements generated by the deafferented spinal cord. Sjöström A, et al. **Acta Physiol Scand** 97(3):281–91, Jul 76

Oculo-nuco-vestibulospinal system regulating the tonic postural activity. Statokinesimetric studies. Baron JB, et al. **Agressologie** 15(6):395–400, 1974

The effects of acupuncture needling on the evoked responses of brain, spinal cord and muscle in man. Ikezono E, et al. **Am J Chin Med** 4(1):53–9, Spring 76

Nonshivering thermogenesis induced by repetitive cooling of spinal cord in the rat. Banet M, et al. **Am J Physiol** 230(3):720–3, Mar 76

Cardiovascular and electrophysiological responses to sympathetic pathway stimulation. Barman SM, et al.
Am J Physiol 230(4):1095–1100, Apr 76

Hypnosis for monitoring intraoperative spinal cord function. Crawford AH, et al. **Anesth Analg (Cleve)** 55(1):42–4, Jan-Feb 76

Presynaptic inhibition in man during anesthesia and sleep. Shimoji K, et al. **Anesthesiology** 43(4):388–91, Oct 75

Lack of effect of partial spinal cord sections upon thermal discrimination in the monkey. Eidelberg E, et al.
Appl Neurophysiol 38(3):145–52, 1975

Proceedings: Role of the long ascending pathways in the averaged cerebral somatosensory evoked potentials in the unrestrained dutch rabbit. Manil J, et al.
Arch Int Physiol Biochim 83(2):335–6, May 75

Spinal cord regeneration in rats after immunosuppressive treatment. Theoretic considerations and histologic results. Feringa ER, et al. **Arch Neurol** 32(10):676–83, Oct 75

Ventral root responses of the hemisected amphibian spinal cord to perfused amino acids in the presence of procaine. Evans RH, et al. **Br J Pharmacol** 55(4):519–26, Dec 75

Effect of experimental diabetes, food deprivation and genetic obesity on the sensitivity of pithed rats to autonomic agents. Foy JM, et al. **Br J Pharmacol** 57(2):229–34, Jun 76

Proceedings: A pithed rabbit preparation for stimulation of different segments of the autonomic outflow. McGrath JC, et al. **Br J Pharmacol** 56(3):395P–396P, Mar 76

The action of acetylcholine antagonists on amino acid responses in the frog spinal cord in vitro. Nicoll RA. **Br J Pharmacol** 55(4):449–58, Dec 75

Does the spinocervical pathway exist? Andersson SA, et al. **Brain Res** 98(2):359–63, 14 Nov 75

Relevance of motoneuronal firing adaptation to tension development in the motor unit. Baldissera F, et al. **Brain Res** 91(2):315–20, 27 Jun 75

Effects of activity in non-myelinated afferent fibres on the spinocervical tract. Brown AG, et al. **Brain Res** 98(2):243–59, 14 Nov 75

The effect of axotomy on root potentials in the frog spinal cord. Carlsen RC, et al. **Brain Res** 108(2):418–22, 28 May 76

Origin of primary sensorimotor cortical projections to lumbar spinal cord of cat and monkey. Coulter JD, et al. **Brain Res** 103(2):366–72, 20 Feb 76

Motoneuron–presynaptic interaction in the spinal cord of the cat: rebuttal to a denial. Decima EE, et al. **Brain Res** 110(2):387–91, 9 Jul 76

On the role of central program and afferent inflow in the control of scratching movements in the cat. Deliagnina TG, et al. **Brain Res** 100(2):297–313, 19 Dec 75

Spinal conditioning: unconditioned stimulus intensity requirement. Durkovic RG, et al. **Brain Res** 98(2):364–8, 14 Nov 75

Role of the dorsal funiculi in movement control. Eidelberg E, et al. **Brain Res** 114(3):427–38, 24 Sep 76

Inhibitory spinal paths to the lateral reticular nucleus. Ekerot CF, et al. **Brain Res** 99(1):157–61, 28 Nov 75

Behavioral changes in chronic spinal frog. Farel PB, et al. **Brain Res** 106(2):418–22, 23 Apr 76

Excitation of Renshaw cells via motor neuron collaterals in acute and chronic spinal cats. Goldfarb J. **Brain Res** 106(1):176–83, 16 Apr 76

Central generation of locomotion in the spinal dogfish. Grillner S, et al. **Brain Res** 109(2):255–69, 11 Jun 76

Is there electrical interaction between motoneurons and afferent fibers in the spinal cord? Gutnick M, et al. **Brain Res** 93(3):507–10, 15 Aug 75

Convergence on propriospinal neurones which may mediate disynaptic corticospinal excitation to forelimb motoneurones in the cat. Illert M, et al. **Brain Res** 93(3):530–4, 15 Aug 75

Transmission of corticospinal IPSPs to cat forelimb motoneurones via high cervical propriospinal neurones and La inhibitory interneurones. Illert M, et al. **Brain Res** 103(1):143–6, 13 Feb 76

Modifications and development of spinal reflexes in the alert baboon (Papio papio) following an unilateral vestibular neurotomy. Lacour M, et al. **Brain Res** 113(2):255–69, 27 Aug 76

Coordinated stepping of all four limbs in the high spinal cat. Miller S, et al. **Brain Res** 109(2):395–8, 11 Jun 76

Macular input to neurons of the spinoreticulocerebellar pathway. Pompeiano O. **Brain Res** 95(2–3):351–68, 23 Sep 75

Dorsal raphe stimulation produces inhibitory effect on trigeminal nucleus neurons. Sasa M, et al. **Brain Res** 101(2):199–207, 16 Jan 76

Somatosensory representation in the vestibulocerebellum. Schwarz DW, et al. **Brain Res** 102(1):181–4, 30 Jan 76

Descending spinal sympathetic pathway utilized by somato-sympathetic reflex and carotid chemoreflex. Szulczyk P. **Brain Res** 112(1):190–3, 6 Aug 76

Propriospinal pathways in the ventral funicles of the cat spinal cord: their effects on lumbosacral motoneurones. Vasilenko DA. **Brain Res** 93(3):502–6, 15 Aug 75

Unusual behavior of the La EPSP in cat spinal motoneurons. Werman R, et al. **Brain Res** 112(2):395–401, 13 Aug 76

Excitation of units in marginal rim of trigeminal subnucleus caudalis elicited by tooth pulp stimulation. Yokota T. **Brain Res** 95(1):154–8, 12 Sep 75

Dual dorsal columns: a review. Beck CH. **Can J Neurol Sci** 3(1):1–7, Feb 76 (87 ref.)

The effects of motor cortical stimulation on the excitability of spinal motoneurons in man. Milner-Brown SH, et al. **Can J Neurol Sci** 2(3):245–53, Aug 75

Supraspinal participation in the inhibitory effect of acupuncture on viscero-somatic reflex discharges. Shen E, et al. **Chin Med J [Engl]** 1(6):431–40, Nov 75

Spinal adrenergic mechanisms regulating sympathetic outflow to blood vessels. Taylor DG, et al. **Circ Res** 38(6 Suppl 2):10–20, Jun 76

Synapse formation and neurotrophic effects on muscle cell lines. Kidokoro Y, et al. **Cold Spring Harbor Symp Quant Biol** 40:373–88, 1975

Central nervous system synapses in cell culture. Nelson PG. **Cold Spring Harbor Symp Quant Biol** 40:359–71, 1975

Effects of thermal stimulation to the spinal cord on heart rate in cyprinid fishes. Iriki M, et al. **Comp Biochem Physiol [A]** 53(1):61–3, Jan 76

Sorting of signals from thermosensitive areas. Fuller CA, et al. **Comput Programs Biomed** 4(4):263–73, Aug 75

Proceedings: Physiological basis of the evoked potentials in the spinal cord (Discussion 2). Hongo T. **Electroencephalogr Clin Neurophysiol** 39(5):540, Nov 75

Proceedings: Clinical application of evoked spinal cord potential measurement. Kurokawa T. **Electroencephalogr Clin Neurophysiol** 39(5):539, Nov 75

Proceedings: Spinal evoked potentials recorded from surface electrodes (Discussion 1). Nakanishi T. **Electroencephalogr Clin Neurophysiol** 39(5):539–40, Nov 75

Audio-spinal influence in man studied by the H-reflex and its possible role on rhythmic movements synchronized to sound. Rossignol S, et al. **Electroencephalogr Clin Neurophysiol** 41(1):83–92, Jul 76

Proceedings: The evoked spinal electrogram recorded from the epidural space in man. Shimoji K. **Electroencephalogr Clin Neurophysiol** 39(5):539, Nov 75

The relation between monosynaptic spinal reflex amplitudes and some EEG alpha activity parameters. van Boxtel A. **Electroencephalogr Clin Neurophysiol** 40(3):297–305, Mar 76

Measurement of current spread from microelectrodes when stimulating within the nervous system Bagshaw EV, et al. **Exp Brain Res** 25(4):391–400, 30 Jun 76

Characteristics of the output from the dentate nucleus to spinal neurons via pathways which do not involve the primary sensorimotor cortex. Bantli H, et al. **Exp Brain Res** 25(2):199–200, 28 May 76

The lateral reticular nucleus in the cat. IV. Activation from dorsal funiculus and trigeminal afferents. Clendenin M, et al. **Exp Brain Res** 24(2):131–44, 22 Dec 75

The lateral reticular nucleus in the cat. V. Does collateral activation from the dorsal spinocerebellar tract occur? Ekerot CJ, et al. **Exp Brain Res** 25(4):327–37, 30 Jun 76

The vestibulospinal tract: crossed and uncrossed effects on hindlimb motoneurones in the cat. Hongo T, et al. **Exp Brain Res** 24(1):37–55, 28 Nov 75

Ascending long spinal actions on forelimb motoneurons in the acute spinal cat. Matsumoto A, et al. **Exp Brain Res** 24(5):509–21, 15 Mar 76

Patterns of projection and braching of reticulospinal neurons. Peterson BW, et al. **Exp Brain Res** 23(4):333–51, 24 Oct 75

The immediate shift of afferent drive to dorsal column nucleus cells following deafferentation: a comparison of acute and chronic deafferentation in gracile nucleus and spinal cord. Dostrovsky JO, et al. **Exp Neurol** 52(3):480–95, Sep 76

Evidence for a cardiovascular modulation of central neuronal activity in man. Forster A, et al. **Exp Neurol** 51(1):141–9, Apr 76

Functional plasticity in the respiratory pathway of the mammalian spinal cord. Guth L. **Exp Neurol** 51(2):414–20, May 76

Effects of peripheral afferent stimulation on dorsal horn neurons in the chicken (Gallus domesticus). Holloway JA, et al. **Exp Neurol** 49(3):863–6, Dec 75

Responses of sympathetic postganglionic neurons to peripheral nerve stimulation in pigeon (Columba livia). Leonard RB, et al. **Exp Neurol** 49(2):466–86, Nov 75

Variability in spinal reflexes: a correlation with spontaneous slow wave activity in cat spinal cord Molt JT, et al. **Exp Neurol** 52(1):132–45, Jul 76

Phasic EMG inhibition and spinal reflex modulation during synchronized sleep in the cat. Pivik RT, et al. **Exp Neurol** 48(3 Pt 1):493–501, Sep 75

Burst patterns late in chick development and their behavioral implications. Stokes B. **Exp Neurol** 50(3):641–8, Mar 76

Post-tetanic changes in the polysynaptic flexor reflex activity under various experimental conditions. Tan U. **Exp Neurol** 49(1 Pt 1):1–10, Oct 75

Reflex figures in the decerebrate and spinal state. Trubatch J, et al. **Exp Neurol** 51(2):337–46, May 76

Effects of unilateral spinal cordotomy and outer ear occlusion on audiogenic seizures in mice. Willott JF. **Exp Neurol** 50(1):30–5, Jan 76

Production of temperature signals in the peripherally denervated spinal cord of the dog. Jessen C, et al. **Experientia** 32(4):484–5, 15 Apr 76

Spinal cord implant studies. Swiontek TJ, et al. **IEEE Trans Biomed Eng** 23(4):307–12, Jul 76

Central neural pathways and the control of nonshivering thermogenesis. pp. 3–25. Horowitz JM, et al. **In: Jansky L, Musacchia XJ, ed. Regulation of depressed metabolism and thermogenesis. Springfield, Ill., Thomas, 1976. QT 165 R344 1974.** (43 ref.)

Effects of local treatment with 6-hydroxydopamine in the spinal cord. pp. 253–7. Gomes C, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.**

Descending influences on transmission through the spinocervical tract. pp. 105–8. Brown AG. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Some properties of spinal connections of the dorsal column nuclei that do not involve the dorsal columns. pp. 176–81. Dart AM, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Some aspects of synaptic organizations in the spinocervical tract cell in the cat. pp. 218–26. Hongo T, et al. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Unmyelinated (C) and myelinated (beta and delta) projections to the ventrolateral column of cat spinal cord. pp. 54–9. Manfredi M. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Some presynaptic mechanisms controlling impulse transmission in monosynaptic pathways. pp. 208–17. Rudomin P. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Proprioceptive deficits after dorsal column lesions in monkeys. pp. 310–7. Vierck CJ Jr. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Some actions and interactions of visceral and somatic afferents in the thoracic spinal cord. pp. 227–38. Weber WV. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Cutaneous C fibers: peripheral properties and central connections. pp. 45–53. Zimmermann M. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Vestibulo—spinal relationships. pp 147–84. Pompeiano O. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Central nervous responses to cooling and warming of the rat scrotal skin. pp. A371–83. Hellon RF. **In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.**

Effects of vibration on human spinal reflexes. pp. 181–8. Agarwal GC, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

Supraspinal mechanisms on a spinal level. pp. 211–35. Kostyuk PG. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.** (85 ref.)

Centrally mediated pressor response of angiotensin II in dogs. Singh KN, et al. **Indian J Med Res** 64(1):138–43, Jan 76

Studies on the feasibility of urinary bladder evacuation by direct spinal cord stimulation. II. Poststimulus voiding: a way to overcome outflow resistance. Jonas U, et al. **Invest Urol** 13(2):151–3, Sep 75

Studies on the feasibility of urinary bladder evacuation by direct spinal cord stimulation. I. Parameters of most effective stimulation. Jonas U, et al. **Invest Urol** 13(2):142–50, Sep 75

Spinal cord stimulation versus detrusor stimulation. A comparative study in six 'acute' dogs. Jonas U, et al. **Invest Urol** 13(3):171–4, Nov 75

Studies on vesicourethral reflexes. II. Urethral sphincteric responses to spinal cord stimulation. Jonas U, et al. **Invest Urol** 13(4):278–85, Jan 76

Interactions of human cord dorsum potential. Shimoji K, et al. **J Appl Physiol** 40(1):79–84, Jan 76

Changes in the magnocellular portion of the red nucleus following thoracic hemisection in the neonatal and adult rat. Prendergast J, et al. **J Comp Neurol** 166(2):163–71, 15 Mar 76

Increases in collateral axonal growth rostral to a thoracic hemisection in neonatal and weanling rat. Prendergast J, et al. **J Comp Neurol** 166(2):145–61, 15 Mar 76

Regeneration of Müller and Mauthner axons after spinal transection in larval lampreys. Rovainen CM. **J Comp Neurol** 168(4):545–54, 15 Aug 76

Forelimb performance by squirrel monkeys (Saimiri sciureus) before and after dorsal column lesions. Beck C. **J Comp Physiol Psychol** 90(4):353–62, Apr 76

The spino – cerebellar tracts in rabbit. Grottel K. **J Hirnforsch** 16(2):163–73, 1975

The transmission of reflexes in the spinal cord of cats during direct irradiation with microwaves. McRee DI, et al. **J Microwave Power** 11(1):49–60, Mar 76

Venery, the spinal cord, and tabes dorsalis before Romberg: the contribution of Ernst Horn. Schiller F. **J Nerv Ment Dis** 163(1):1–9, Jul 76

Velocity measurements of particulate neuroplasmic flow in organized mammalian CNS tissue cultures. Leestma JE. **J Neurobiol** 7(2):173–83, Mar 76

Structure and biological activity of a series of conformationally restricted analogues of GABA. Krogsgaard-Larsen P, et al. **J Neurochem** 25(6):803–9, Dec 75

Central effect of bladder filling and voiding. Mai J, et al. **J Neurol Neurosurg Psychiatry** 39(2):171–7, Feb 76

Long spinal and pyramidal actions on hindlimb motoneurons of the marsupial brush-tailed possum, Trichosurus vulpecula. Aoki M, et al. **J Neurophysiol** 39(2):331–9, Mar 76

Responses of spinal cord neurons to systematic changes in hindlimb skin temperatures in cats and primates. Burton H. **J Neurophysiol** 38(5):1060–79, Sep 75

Morphological correlates of synaptic transmission in lamprey spinal cord. Christensen BN. **J Neurophysiol** 39(2):197–212, Mar 76

Effects of static tilt on cervical spinoreticular tract neurons. Coulter JD, et al. **J Neurophysiol** 39(1):45–62, Jan 76

Somatotopic studies on red nucleus: spinal projection level and respective receptive fields. Eccles JC, et al. **J Neurophysiol** 38(4):965–80, Jul 75

Topographic studies on medial reticular nucleus. Eccles JC, et al. **J Neurophysiol** 39(1):109–18, Jan 76

Effects of dorsal column stimulation on primate spinothalamic tract neurons. Foreman RD, et al. **J Neurophysiol** 39(3):534–46, May 76

Electrical properties of frog motoneurons in the in situ spinal

cord. Magherini PC, et al. **J Neurophysiol** 39(3):459–73, May 76

Evidence for electrotonic coupling between frog motoneurons in the in situ spinal cord. Magherini PC, et al. **J Neurophysiol** 39(3):474–83, May 76

Changes in responses of medial pontomedullary reticular neurons during repetitive cutaneous, vestibular, cortical, and tectal stimulation. Peterson BW, et al. **J Neurophysiol** 39(3):564–81, May 76

Modulation of synaptic effectiveness of Ia and descending fibers in cat spinal cord. Rudomin P, et al. **J Neurophysiol** 38(5):1181–95, Sep 75

Responses of cats to sudden falls: an otolith-originating reflex assisting landing. Watt DG. **J Neurophysiol** 39(2):257–65, Mar 76

Alterations of central nervous system protein synthesis in response to spinal cord hemisection. Luttge WG, et al. **J Neurosci Res** 1(1):77–82, 1975

Preserved autoregulation in the rhesus spinal cord after high cervical cord section. Kobrine AI, et al. **J Neurosurg** 44(4):425–8, Apr 76

Letter: Spinal cord evoked response. LeBlanc HJ, et al. **J Neurosurg** 44(2):269–70, Feb 76

The effect of L-tryptophan on spinal cord C-fiber reflexes. Bell JA, et al. **J Pharmacol Exp Ther** 196(2):373–9, Feb 76

The effects of morphine and nalorphine-like drugs in the nondependent, morphine-dependent and cyclazocine-dependent chronic spinal dog. Gilbert PE, et al. **J Pharmacol Exp Ther** 198(1):66–82, Jul 76

The effects of morphine- and nalorphine- like drugs in the nondependent and morphine-dependent chronic spinal dog. Martin WR, et al. **J Pharmacol Exp Ther** 197(3):517–32, Jun 76

Proceedings: The effects of dorsal column section on the evoked convulsions induced by catechol administration. Angel A, et al. **J Physiol (Lond)** 259(1):17P–18P, Jul 76

Cortical and long spinal actions on lumbosacral motoneurones in the cat. Aoki M, et al. **J Physiol (Lond)** 251(3):569–87, Oct 75

Proceedings: Responses of dorsal column nuclei cells to stimulation of limb cutaneous sites of neonatal rats. Armstrong-James M. **J Physiol (Lond)** 256(1):7P–8P, Mar 76

Interaction between the effects of spinal heating and cooling and of injections into a lateral cerebral ventricle of noradrenaline, 5-hydroxytryptamine and carbachol on thermoregulation in sheep. Bacon M, et al. **J Physiol (Lond)** 254(1):213–27, Jan 76

Relationships between the spike components and the delayed depolarization in cat spinal neurones. Baldissera F. **J Physiol (Lond)** 259(2):325–38, Jul 76

Proceedings: Strychnine-sensitive Renshaw cell inhibition of group 1A excited inhibitory interneurones. Belcher G, et al. **J Physiol (Lond)** 254(1):28P–29P, Jan 76

Glycine-mediated inhibitory transmission of group 1A-excited inhibitory interneurones by Renshaw cells. Belcher G, et al. **J Physiol (Lond)** 256(3):651–62, Apr 76

Proceedings: Inhibition of transmission through the spinocervical tract from localized areas of the sensorimotor cortex. Brown AG, et al. **J Physiol (Lond)** 254(1):71P–72P, Jan 76

Proceedings: Selective inhibition of dorsal horn neurones in the cat. Cervero F, et al. **J Physiol (Lond)** 254(1):72P–73P, Jan 76

Proceedings: A role for a descending sympatho-inhibitory pathway in the ventral part of the spinal cord. Coote JH, et al. **J Physiol (Lond)** 252(2):21P–22P, Nov 75

A pharmacological study of Renshaw cell inhibition. Curtis DR, et al. **J Physiol (Lond)** 258(1):227–42, Jun 76

Effects of various ambient temperatures and of heating and cooling the hypothalamus and cervical spinal cord on antidiuretic hormone secretion and urinary osmolality in pigs. Forsling ML, et al. **J Physiol (Lond)** 257(3):673–86, Jun 76

Extracellular potassium activity, intracellular and extracellular potential responses in the spinal cord. Lothman EW, et al. **J Physiol (Lond)** 252(1):115–36, Oct 75

Synaptic transfer at a vertebrate central nervous system synapse. Martin AR, et al. **J Physiol (Lond)** 251(2):409–26, Oct 75

Proceedings: Micro-electrophoretic study of cat dorsal horn neurones activated by noxious stimuli. Randić M, et al. **J Physiol (Lond)** 252(2):23P–25P, Nov 75

Localization and electrical characteristics of a giant synapse in the spinal cord of the lamprey. Ringham GL. **J Physiol (Lond)** 251(2):395–407, Oct 75

The ionic basis of the resting potential and a slow depolarizing response in Rohon-Beard neurones of Xenopus tadpoles. Spitzer NC. **J Physiol (Lond)** 255(1):105–35, Feb 76

The physiology and anatomy of long ranging afferent fibres within the spinal cord. Wall PD, et al. **J Physiol (Lond)** 255(2):321–34, Feb 76

Proceedings: Response of thermo-responsive neurons of the mesencephalon to heating and cooling of the spinal cord. Hori T, et al. **J Physiol Soc Jpn** 36(8–9):392, 1 Sep 74

Proceedings: Effects of spinal temperature on gamma motor neurons, and interaction between spinal temperature and skin temperature. Sato H. **J Physiol Soc Jpn** 36(8–9):267–8, 1 Sep 74

Proceedings: Projection of pain to the nucleus caudalis of the spinal trigeminal complex. Yokota T. **J Physiol Soc Jpn** 36(8–9):310–1, 1 Sep 74

The neurological basis of sex. Walker AE. **Neurol India** 24(1):1–13, Mar 76

Spinal descent of cerebrospinal fluid in man. Chiro GD, et al. **Neurology (Minneap)** 26(1):1–8, Jan 76

The effects of 1-(1-phenylcyclohexyl) piperidine HCL (Sernylan) on bulbo-spinal and spinal reflexes. White FP, et al. **Neuropharmacology** 14(9):665–74, Sep 75

Physiological and morphological studies on the primary afferent fiber of the spinal cord. Hayashida Y. **Osaka City Med J** 21(1):35–53, 1975

Experimental regeneration in peripheral nerves and the spinal cord in laboratory animals exposed to a pulsed electromagnetic field. Wilson DH, et al. **Paraplegia** 14(1):12–20, May 76

Monosynaptic activation of a direct reticulo-spinal pathway by the dentate nucleus. Bantli H, et al. **Pfluegers Arch** 357(3–4):237–42, 26 Jun 75

Neuronal activity in the lateral vestibular nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the spino-olivocerebellar pathway. Bruggencate G ten, et al. **Pfluegers Arch** 360(4):321–36, 28 Nov 75

A critical reticular site involved in the spino-bulbo-spinal reflex system. Chan SH, et al. **Pfluegers Arch** 357(3–4):313–21, 26 Jun 75

Letter: Neurophysiological investigation of spinal reflexes at different temperatures of the spinal cord in birds and reptiles. Görke K, et al. **Pfluegers Arch** 359(3):269–71, 9 Sep 75

Response pattern of cutaneous postganglionic neurones to the hindlimb on spinal cord heating and cooling in the cat. Gregor M, et al. **Pfluegers Arch** 363(2):135–40, 12 May 76

Differential influences of CNS and superficial body temperatures on the partition of cutaneous blood flow between capillaries and arteriovenous anastomoses (AVA's). Hales JR, et al. **Pfluegers Arch** 361(1):105–6, 19 Dec 75

Effects of altering spinal cord temperature on temperature regulation in the Adelie Penguin, Pygoscelis Adeliae. Hammel HT, et al. **Pfluegers Arch** 362(1):1–6, 11 Mar 76

Patterns of differentiation in various sympathetic efferents induced by hypoxic and by central thermal stimulation in decerebrated rabbits. Iriki M, et al. **Pfluegers Arch** 362(2):101–8, 30 Mar 76

Some properties of sympathetic neuron inhibition by depressor area and intraspinal stimulation. Kirchner F, et al. **Pfluegers Arch** 357(3–4):349–60, 26 Jun 75

Effect of spinal deafferentation on temperature regulation and spinal thermosensitivity in pigeons. Necker R, et al. **Pfluegers Arch** 360(4):287–99, 28 Nov 75

Effect of central thermal stimulation on the thermoregulatory behavior of the pigeon. Schmidt I. **Pfluegers Arch** 363(3):271–2, 22 Jun 76

Graded acquisition of an instrumental avoidance response by the spinal rat. Chopin SF, et al. **Physiol Behav** 15(2):155–8, Aug 75

Patterned response of lamina V cells: cutaneous and dorsal funicular stimulation. Feldman RA. **Physiol Behav** 15(1):79–84, Jul 75

Interaction of visceral and somatic afferentation at the level of postsynaptic spinal cord elements. Duda P, et al. **Physiol Bohemoslov** 25(1):59–66, 1976

Remyelination after transient compression of the spinal cord. Harrison BM, et al. **Proc Aust Assoc Neurol** 12:117–22, 1975

Chemosensitive spinal afferents: thresholds of specific and nociceptive reflexes as compared with thresholds of excitation for receptors and axons. Khayutin VM, et al. **Prog Brain Res** 43:293–306, 1976

On the effect of electrical stimulation of the dorsal column system on sensory thresholds in patients with chronic pain. Lindblom U, et al. **Prog Brain Res** 43:237–41, 1976

Problems of postsynaptic autogenous and recurrent inhibition in the mammalian spinal cord. Haase J, et al. **Rev Physiol Biochem Pharmacol** 73:73–129, 1975 (306 ref.)

Studies on spinal ascending pathway for effect of acupuncture analgesia in rabbits. Chen-yü C, et al. **Sci Sin** 18(5):651–8, Sep-Oct 75

Controlled electrical bladder evacuation via stimulation of the sacral micturition center or direct detrusor stimulation. Jonas U, et al. **Urol Int** 31(1–2):108–10, 1976

Regeneration of the caudal neurosecretory system in the catfish, Clarias batrachus L. Jaiswal AG, et al. **Z Mikrosk Anat Forsch** 88(6):987–96, 1974

Effect of electrical stimulation of the olfactory tract and the caudal spinal cord on the Dahlgren cells in Clarias batrachus L. Jaiswal AG, et al. **Z Mikrosk Anat Forsch** 89(3):410–4, 1975

[Proceedings: Origin of increased patellar reflex in monkeys with partially transected spinal cords] Aoki H, et al. **J Physiol Soc Jpn** 36(8–9):268, 1 Sep 74 **(Jpn)**

[Proceedings: Ipsilateral spinocerebellar pathways originating from levels below the Clark's bundle] Aoyama M, et al. **J Physiol Soc Jpn** 36(8–9):268–9, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of electric stimulation of the lateral cervical cord on respiration] Natsui T. **J Physiol Soc Jpn** 36(8–9):375, 1 Sep 74 **(Jpn)**

[Proceedings: Spinal pathway for the SBS reflex and reflex center in the brain stem] Shimamura M. **J Physiol Soc Jpn** 36(8–9):268, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of thermal stimulation of the spinal cord on the heart rate of the fish] Tsuchiya K, et al. **J Physiol Soc Jpn** 36(8–9):391–2, 1 Sep 74 **(Jpn)**

[Proceedings: Changes of bladder movement evoked by spinal cord heating and cooling in decerebrated and chordotomized animals] Tsuchiya K, et al. **Jpn Arch Intern Med** 11(4):238–40, Dec 75 **(Jpn)**

[Plasticity of the spinal cord function] Shimamura M. **Jpn J Clin Med** 33(10):2938–42, Oct 75 **(Jpn)**

[Recordings of spinal cord bioelectric currents in man] Dzialek E. **Neurol Neurochir Pol** 9(4):453–9, Jul–Aug 75 **(Pol)**

[Letter: Neuron activity in the ventral spinocerebellar tract during 'fictitious scratching'] Arshavskiĭ IuI, et al. **Biofizika** 20(4):748–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Letter: Origin of modulation of vestibulospinal neuron activity during scratching] Arshavskiĭ IuI, et al. **Biofizika** 20(5):946–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the changes in potential of the dorsal surface of the spinal cord under the influence of 2 conditioning stimuli of the afferent nerve] Efanova SG, et al. **Biol Nauki** (6):84–90, 1976 **(Rus)**

[Changes in the antidromal responses of afferent nerves under the influence of conditioning stimulation of relatively high threshold afferents] Korogod SM, et al. **Biol Nauki** (4):34–8, 1975 **(Rus)**

[Formation of tonic anc phasic type reactions in segmental interneurons] Predtechenskaia KS, et al. **Dokl Akad Nauk SSSR** 226(1):238–40, 1 Jan 76 **(Rus)**

[1st order spinal neurons in the flexor reflex afferent system] Saf'iants VI, et al. **Dokl Akad Nauk SSSR** 223(4):1029–32, 1 Aug 75 **(Rus)**

[Role of interneurons in preserving trace changes in the rat spinal cord] Tikhomirova LI, et al. **Dokl Akad Nauk SSSR** 228(4):995–8, 1976 **(Rus)**

[Changes in the posterior root potential and excitability of terminals of primary afferents of the cat spinal cord evoked by rhythmic stimulation of the accompanying sympathetic trunk] Bagramova MA, et al. **Fiziol Zh SSSR** 62(1):137–40, Jan 76 **(Rus)**

[The interaction of symmetrical cortical descending influences on lumbar motoneurons] Blagodatova ET, et al. **Fiziol Zh SSSR** 62(1):47–55, Jan 76 (Eng. Abstr.) **(Rus)**

[The influence of synaptic processes on changes in neuronal structure] Darinskiĭ IuA, et al. **Fiziol Zh SSSR** 62(5):673–80, May 76 (Eng. Abstr.) **(Rus)**

[The mechanism of development of changes in the structure and histochemistry of a neuron] Darinskiĭ IuA. **Fiziol Zh SSSR** 61(8):1174–82, Aug 75 (Eng. Abstr.) **(Rus)**

[The subliminal fringe of the motor neuron pool of the human soleus muscle during rest and excitation] Pshedetskaia AD, et al. **Fiziol Zh SSSR** 61(4):563–8, Apr 75 (Eng. Abstr.) **(Rus)**

[A study on a model of the role of Renshaw cells in regulating motoneuron discharges] Romanov SP. **Fiziol Zh SSSR** 62(4):528–36, Apr 76 (Eng. Abstr.) **(Rus)**

[Reticular structures and reticulospinal pathways participating in initiation and inhibition of spino-bulbo-spinal activity] Gokin AP, et al. **Neirofiziologiia** 8(4):373–83, 1976 (Eng. Abstr.) **(Rus)**

[The possibility of different effects of primary afferent depolarization on spinal reflexes] Krokhina OS, et al. **Neirofiziologiia** 7(5):519–26, 1975 (Eng. Abstr.) **(Rus)**

[Corticofugal influences on the reticulospinal neurons of gigantocellular nucleus in cats] Piliavskiĭ AI. **Neirofiziologiia** 8(3):250–8, 1976 (Eng. Abstr.) **(Rus)**

[Organization of cortico-reticulo-spinal connections in the cat] Piliavskiĭ AI. **Neirofiziologiia** 8(4):366–72, 1976 (Eng. Abstr.) **(Rus)**

[The influence of the cerebellum on the background activity of medial reticulospinal tract fibers] Shapovalov AV, et al. **Neirofiziologiia** 7(2):212–5, 1975 **(Rus)**

[Rubrofugal influences on the spike activity of neurons of the medial reticulo-spinal tract] Shapovalov AV, et al. **Neirofiziologiia** 7(5):533–40, 1975 (Eng. Abstr.) **(Rus)**

[Spinal cord vasomotor reflexes—critique of the concept of a bulbar vasomotor center] Lukoshkova EV. **Probl Kosm Biol** 31:135–57, 1975 **(Rus)**

[Effect of diabetes mellitus in pregnancy on the development of the reflex apparatus of the spinal cord in newborn infants] Ailamazian LN, et al. **Vopr Okhr Materin Det** 20(7):63–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Postactivational changes in the reflex excitability of the motoneuronal apparatus of the spinal cord in newborn infants] Glukhova NK. **Zh Evol Biokhim Fiziol** 11(5):490–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The activity of rubrospinal neurons in Macaca mulatta monkeys] Tamarova ZA. **Zh Evol Biokhim Fiziol** 12(1):56–62, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[A change in the reflex excitability of spinal motoneurons during daytime sleep in newborn infants] Vakhrameeva IA, et al. **Zh Evol Biokhim Fiziol** 12(2):162–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The influence of learning on the 'setting' of the spinal apparatus of reciprocal inhibition prior to voluntary motion] Kots IaM, et al. **Zh Vyssh Nerv Deiat** 26(2):267–73, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Signs of plasticity and reconnection in spinal cord damage. Wall PD. **Ciba Found Symp** (34):35–63, 1975

Functions of primary afferents and responses of extracellular K+ during spinal epileptiform seizures. Lothman EW, et al. **Electroencephalogr Clin Neurophysiol** 41(3):253–67, Sep

76
Motor and electrical signs of epileptiform activity induced by penicillin in the spinal cords of decapitate cats. Lothman EW, et al. **Electroencephalogr Clin Neurophysiol** 41(3):237–52, Sep 76
Reflex effects and postsynaptic membrane potential changes during epileptiform activity induced by penicillin in decapitate spinal cords. Lothman EW, et al. **Electroencephalogr Clin Neurophysiol** 41(4):337–47, Oct 76
Improved voiding in response to electrical stimulation of the spinal cord of paraplegic dogs. Dreyer DA, et al. **Invest Urol** 14(1):54–6, Jul 76
The site of anoxic block in the spinal monosynaptic pathway. Carregal EJ. **J Neurobiol** 6(1):103–13, Jan 75
Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study. Matsukado Y, et al. **J Neurosurg** 44(4):435–41, Apr 76
The effect of angiography on the electrophysiological state of the spinal cord. A study in control and traumatized cats. Fox AJ, et al. **Radiology** 118(2):343–50, Feb 76
Dystrophic spinal cord transplants induce abnormal thymidine kinase activity in normal muscles. Rathbone MP, et al. **Science** 189(4208):1106–7, 26 Sep 75
[Spinal cord neurostimulation in neurogenic bladder] Sarramon JP, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):287–9, Dec 74 **(Fre)**
[The effects of the pathogenic influence of botulin toxin on different types of spinal motor neurons] Mikhaĭlov VV, et al. **Biull Eksp Biol Med** 80(11):21–4, Nov 75 (Eng. Abstr.) **(Rus)**
[The effect of thyroid hormones on inhibition of monosynaptic extensor reflexes] Gaĭdina GA, et al. **Fiziol Zh SSSR** 62(4):537–42, Apr 76 (Eng. Abstr.) **(Rus)**
[Disturbance of vestibular control of the reflex activity of the spinal cord in experimental thyrotoxicosis] Gol'ber LM, et al. **Patol Fiziol Eksp Ter** (1):59–63, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Disturbance in the function of the spinal centers in diffuse toxic goiter in children (electromyographic study)] Gaĭdina GA, et al. **Probl Endokrinol (Mosk)** 21(4):18–22, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Dynamics of spinal cord motor neuron excitability in epileptic patients following surgical elimination of seizures] Bein BN, et al. **Vopr Neirokhir** (3):40–4, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Lesions of the cervical region of the spinal cord in so-called infantile cerebral palsy] Balashova EG, et al. **Zh Nevropatol Psikhiatr** 76(4):514–6, Apr 76 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Proceedings: Time–dose relationships for spinal cord damage. Van der Kogel AJ. **Br J Cancer** 32(6):763, Dec 75
The effects of dose and field size on late radiation damage to the rat spinal cord. Hopewell JW, et al. **Int J Radiat Biol** 28(4):325–33, Oct 75
Letter: Tolerance of the spinal cord of rats to irradiation with neon ions. Leith JT, et al. **Int J Radiat Biol** 28(4):393–8, Oct 75
Observations on the interactions of Schwann cells and astrocytes following X-irradiation of neonatal rat spinal cord. Blakemore WF, et al. **J Neurocytol** 4(5):573–85, Oct 75
Quantitative cytochemical studies of the RNA in the spinal cord of gamma-irradiated mice. Olkowski ZL, et al. **Strahlentherapie** 150(1):76–9, Jul 75
[The radiation load in lumbosacral radiculography] Hammer VB. **Wien Med Wochenschr** 125(25–27):400–2, 20 Jun 75 **(Ger)**

RADIOGRAPHY

Radiological investigation of the cervical spinal cord. pp. 194–209. Chakravorty BG.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.
Radiographic measurements of the normal spinal cord in childhood. Boltshauser E, et al. **Neuroradiology** 10(5):235–7, 1976
[Neuroradiologic aspects of cerebrospinal fluid circulation] Larsen JL. **Tidsskr Nor Laegeforen** 95(26):1454–7, 20 Sep 75 (Eng. Abstr.) **(Nor)**

SECRETION

Release of amino acids from the spinal cord in vitro and in vivo. Cutler RW. **Adv Exp Med Biol** 69:435–46, 1976

SURGERY

Proceedings: Longitudinal myelotomy—indication and results. Schirmer M, et al. **Acta Neurochir (Wien)** 31(3–4):308–9, 1975
Proceedings: Clinical utilization of the evoked spinal cord action potential in spine and spinal cord surgery. Tamaki T, et al. **Electroencephalogr Clin Neurophysiol** 39(5):539, Nov 75
Watertight closure of spinal dura mater. Technical note. Mayfield FH, et al. **J Neurosurg** 43(5):639–40, Nov 75
Case report....Relief of allachesthesia by commissural myelotomy of the lumbrosacral cord. Whitten CA. **Va Med Mon** 103(4):280, 283–5, Apr 76
[Experimental section of the spinal cord in animals; study of postoperative care] Jonas U, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):290, Dec 74 **(Fre)**
[Experience with 60 frontal myelotomies in treatment of spastic manifestations in patients with injuries of the spine and spinal cord] Virozub ID, et al. **Vopr Neirokhir** (2):21–6, MAR–APR 75 (Eng. Abstr.) **(Rus)**
[Spinal cord stereotaxy for the treatment of pain] Nádvorník P, et al. **Cesk Neurol Neurochir** 35(6):298–301, 1972 (Eng. Abstr.) **(Slo)**

TRANSPLANTATION

Survival and possible trophic function of neonatal spinal cord grafts in the anterior chamber of the eye. Yellin H. **Exp Neurol** 51(3):579–92, Jun 76

ULTRASTRUCTURE

Proceedings: Descending pathways from brain stem to spinal cord in reptiles. ten Donkelaar HJ. **Acta Morphol Neerl Scand** 13(4):308–9, Dec 75
Ultrastructure of dorsal root projections in the toad spinal cord. An experimental neuroanatomical study following transection of dorsal root. Corvaja N, et al. **Arch Ital Biol** 113(2):122–49, Jun 75
Spinal motoneurons of the goldfish, carassius auratus. Schnitzlein HN, et al. **Brain Behav Evol** 12(4–6):207–28, 1975
A qualitative electron microscopic investigation of the anomalous corticofugal projections following neonatal lesions in the albino rats. Leong SK. **Brain Res** 107(1):1–8, 30 Apr 76
An electron microscope study of synaptic terminals of the spino-olivary fibers in the cat. Mizuno N, et al. **Brain Res** 104(2):303–8, 12 Mar 76
Dendro–dendritic contacts between frog motoneurons shown with the cobalt labeling technique. Székely G, et al. **Brain Res** 108(1):194–8, 21 May 76
Surface specializations of neurites in embryonic mouse spinal cord. Vaughn JE, et al. **Brain Res** 110(3):431–45, 16 Jul 76
Microtubule—synaptic vesicle associations in cultured rat spinal cord neurons. Bird MM. **Cell Tissue Res** 168(1):101–15, 28 Apr 76
Electron microscopic observations of the delayed effects of spinal cord compression. Wakefield CL, et al. **Exp Neurol** 48(3 Pt 1):637–46, Sep 75
Incidence of tubular structures in the ventral horn synapses of the dog spinal cord. Badonič T, et al. **Folia Morphol (Praha)** 23(3):177–81, 1975
On the synapses in the ventral horns of the dog spinal cord. Badonič T, et al. **Folia Morphol (Praha)** 23(2):122–7, 1975
Dendroaxonic synapses in the substantia gelatinosa glomeruli of the spinal trigeminal nucleus of the cat. Gobell S. **J Comp Neurol** 167(2):165–76, 15 May 76
Further observations of the ultrastructure of synaptosomes separated from spinal cord and medulla, with especial emphasis on the postsynaptic membrane. Jones DG. **J Neurobiol** 7(1):1–9, Jan 76
Simultaneous isolation of purified microsomal and myelin fractions from rat spinal cord. Towl AD, et al. **J Neurochem** 27(1):25–31, Jul 76
Ventral horn synaptology in the rat. Bernstein JJ, et al. **J Neurocytol** 5(1):109–23, Feb 76
The neurotoxic effects of triethyltin (TET) sulfate on myelinating cultures of mouse spinal cord. Graham DI, et al. **J Neuropathol Exp Neurol** 34(5):401–12, Sep 75
Primary demyelination in Theiler's virus infection. An ultrastructural study. Dal Canto MC, et al. **Lab Invest** 33(6):626–37, Dec 75
[Electron microscopic studies of the intermediolateral nucleus of the thoracic cord of the adult rat] Usui T. **Acta Anat Nippon** 50(5):236–49, 1 Oct 75 (Eng. Abstr.) **(Jpn)**
[Study of some neurohistologic objects by the method of scanning microscopy] Bykov RE, et al. **Arkh Anat Gistol Embriol** 68(4):91–5, Apr 75 (Eng. Abstr.) **(Rus)**
[Postsynaptic specializations in the cat spinal cord] Skibo GG, et al. **Dokl Akad Nauk SSSR** 224(5):1230–2, 11 Oct 75 **(Rus)**
[An electron microscopic study of the intermediolateral nucleus of the cat spinal cord] Otellin VA, et al. **Fiziol Zh SSSR** 61(4):502–8, Apr 75 (Eng. Abstr.) **(Rus)**
[The ultrastructure of portions of the cat spinal cord gray matter connected to fibers of different descending tracts] Pogorelaia NKh, et al. **Neirofiziologiia** 8(3):325–7, 1976 (Eng. Abstr.) **(Rus)**
[Dynamics of changes of certain cellular components of the spinal cord under the effect of ultrasonics of different parameters] Speranskiĭ AP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):453–7, Sep–Oct 75 **(Rus)**

SPINAL CORD COMPRESSION

Low back pain syndromes due to spinal stenosis and posterior cauda equina compression. Brodsky AE. **Bull Hosp Joint Dis** 36(1):66–79, Apr 75
[Diagnosis and therapy of the lumbar root compression syndrome] Grumme T. **Med Welt** 27(8):356–61, 20 Feb 76 **(Ger)**
[Backache and subacute paraplegia: tuberculous spondylitis (spinal cord compression with abscess formation)] Toyokura Y, et al. **Jpn J Clin Med** Spec No:706–7, 1006–7, 10 Apr 75 **(Jpn)**

CHEMICALLY INDUCED

[Brown–Sequard syndrome and extradural spinal cord hematoma occurring in a patient receiving anti-vitamin K] Laroche C, et al. **Sem Hop Ther** 52(1):41–2, Jan 76 **(Fre)**

COMPLICATIONS

The mechanism of ischemia in anteroposterior compression of the spinal cord. Doppman JL. **Invest Radiol** 10(6):543–51, Nov–Dec 75
Ankylosing hyperostosis with cervical spinal cord compression. Gibson T, et al. **Rheumatol Rehabil** 15(2):67–70, May 76

DIAGNOSIS

Intermittent bladder paresis in the pseudoclaudication syndrome. Fagius J, et al. **J Urol** 115(4):469–70, Apr 76
The pitfalls in early diagnosis of childhood spinal compression. Melvill RL. **S Afr Med J** 50(16):621–4, 10 Apr 75

ETIOLOGY

Cervical spine syndrome. Hogan L, et al. **Am J Nurs** 76(7):1104–7, Jul 76
Primary costal echinococcosis with spine involvement. Monajati A, et al. **Br J Radiol** 49(582):555–6, Jun 76
Traumatic arachnoid diverticula: a report of two cases causing spinal cord compression. Pye IF, et al. **Br J Radiol** 48(575):889–93, Nov 75
Nodular fasciitis: an unusual cause of extradural spinal cord compression. Sengupta RP, et al. **Br J Surg** 62(7):573–5, Jul 75
Spinal cord compression in malignant lymphoma. Treatment and results. Friedman M, et al. **Cancer** 37(3):1485–91, Mar 76
Congenital neuroblastoma with paraplegia. Case report. Moschos A, et al. **Helv Paediatr Acta** 30(6):521–3, Apr 76
Spinal cord compression with neurofibromatosis. Lewis RA, et al. **Ill Med J** 149(4):392–4, Apr 76
Cauda equina compression following epidural injection for disc prolapse. McManus F, et al. **Ir J Med Sci** 144(11):447–8, Nov 75
Atlanto–axial dislocation with spinal cord compression in a mongoloid child. A case report. Finerman GA, et al. **J Bone Joint Surg [Am]** 58(3):408–9, Apr 76
Spinal cord compression by a rheumatoid nodule. Fairburn B. **J Neurol Neurosurg Psychiatry** 38(11):1056–8, Nov 75
Congenital narrowing of the cervical spinal canal. Kessler JT. **J Neurol Neurosurg Psychiatry** 38(12):1218–24, Dec 75
Arachnoid calcification producing spinal cord compression. McCullough GA. **J Neurol Neurosurg Psychiatry** 38(11):1059–62, Nov 75
Spinal cord compression by extramedullary hemopoietic tissue in sickle cell anemia. Case report. Ammoumi AA, et al. **J Neurosurg** 43(4):483–5, Oct 75
Unruptured aneurysm of the anterior spinal artery presenting as paraparesis. Case report. Leech PJ, et al. **J Neurosurg** 45(3):331–3, Sep 76
Spinal arterial malformation in a child with hereditary hemorrhagic telangiectasia. Case report. Merry GS, et al. **J Neurosurg** 44(5):613–6, May 76
Letter: Hyperextension injuries of the cervical spine. Lin CS. **JAMA** 235(26):2814–5, 28 Jun 76
Spinal epidural hematoma: report of two cases. Savitz MH, et al. **Mt Sinai J Med NY** 43(3):309–11, May–Jun 76
Spinal cysticercosis. Roy RN, et al. **Surg Neurol** 6(2):129–31, Aug 76
Lumbar intradural arachnoid diverticulum with cauda equina compression. Zumpano BJ, et al. **Surg Neurol** 5(6):349–53, Jun 76
[Extradural lipoma as an unusual cause of the spinal cord compression] Stančić–Rokotov F, et al. **Acta Med Iugosl** 30(2):215–32, Mar 76 (Eng. Abstr.) **(Cro)**
[Malignant spinal cord compression syndromes. I. Metastases of carcinomas] Morávek V, et al. **Cesk Neurol Neurochir** 35(6):309–13, 1972 (Eng. Abstr.) **(Cze)**
[Spinal cord compression caused by spinal aneurysmal bone cyst (author's transl)] Steimlé R, et al. **Acta Neurochir (Wien)** 32(3–4):287–96, 1975 (Eng. Abstr.) **(Fre)**
[Regressive course of spinal cord compression caused by Paget's disease under the effects of calcitonin] Pépin B, et al. **Ann Med Interne (Paris)** 127(3):243–6, Mar 76 **(Fre)**
[Cauda equina syndrome during retroperitoneal fibrosis: discovery of another coincidental etiology] Schoen E, et al. **Ann Med Interne (Paris)** 126(4):297–302, Apr 75 **(Fre)**
[Medullary compression caused by epiduritis with sarcoidosic aspects] Gorard PL, et al. **Bull Soc Med Afr Noire Lang Fr** 20(1):31–41, 1975 (Eng. Abstr.) **(Fre)**
[Intrarachidian localization revealing a disseminated form of actinomycosic mycetoma] Sarrat H, et al. **Bull Soc Pathol Exot** 67(2):149–55, Mar–Apr 74 (Eng. Abstr.) **(Fre)**
[Stenosis of the cervical spinal canal: acquired? congenital]

Lièvre JA, et al. **Rev Rhum Mal Osteoartic** 42(6):377–81, Jun 75 (Eng. Abstr.) **(Fre)**

[Radiculomedullary compressions by osteosarcoma and by giant cell tumor of the spine occurring in Paget's disease] Phelip X, et al. **Rev Rhum Mal Osteoartic** 42(10):573–81, Oct 75 (27 ref.) (Eng. Abstr.) **(Fre)**

[Stenosis of the spinal canal after spondylodesis (iatrogenic stenosis of the spinal canal) (author's transl)] Arct WA. **Arch Orthop Unfallchir** 83(3):353–64, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Spinal cord compression by tumors: a pediatric emergency] Hütteroth H, et al. **Monatsschr Kinderheilkd** 124(5):466–8, May 76 **(Ger)**

[Damage to the spinal marrow in kyphoscoliosis (author's transl)] Angstwurm H, et al. **Munch Med Wochenschr** 117(40):1603–8, 3 Oct 75 (Eng. Abstr.) **(Ger)**

[Incomplete spinal cord syndrome in Paget's disease of the spine (author's transl)] Puls P, et al. **Z Orthop** 113(5):904–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Chronic spinal epidural abscess (author's transl)] Fukai H, et al. **Neurol Surg (Tokyo)** 3(5):423–8, May 75 (Eng. Abstr.) **(Jpn)**

[Spinal cord compression caused by spinal metastasis] Wilson E, et al. **Acta Neurol Lat Am** 19(1–4):103–11, 1973 (Eng. Abstr.) **(Spa)**

METABOLISM

Transendothelial vesicular transport of protein following compression injury to the spinal cord. Beggs JL, et al. **Lab Invest** 34(4):428–39, Apr 76

Immediate consequences of spinal cord injury: possible role of potassium in axonal conduction block. Eidelberg E, et al. **Surg Neurol** 3(6):317–21, Jun 75

PATHOLOGY

Foramen magnum and high cervical cord compression. Taylor AR, et al. **Brain** 97(3):473–80, Sep 74

Mechanisms of functional loss and recovery in spinal cord damage. McDonald WI. **Ciba Found Symp** (34):23–33, 1975

Electron microscopic observations of the delayed effects of spinal cord compression. Wakefield CL, et al. **Exp Neurol** 48(3 Pt 1):637–46, Sep 75

PHYSIOPATHOLOGY

Remyelination after transient compression of the spinal cord. Harrison BM, et al. **Proc Aust Assoc Neurol** 12:117–22, 1975

Experimental cervical myelopathy: autoradiographic studies of spinal cord blood flow patterns. Gooding MR, et al. **Surg Neurol** 5(4):233–9, Apr 76

RADIOGRAPHY

Angiographic changes following acute spinal cord compression: an experimental study in monkeys. Doppman JL. **Br J Radiol** 49(581):398–406, May 76

Comparative study of dye and air myelography in spinal cord lesions. Sarkari NB, et al. **J Assoc Physicians India** 23(1):13–20, Jan 75

SURGERY

Endobronchial intubation for intraoperative protection of a single functioning lung: a case report. Brodsky JB, et al. **Anesth Analg (Cleve)** 55(3):340–2, May–Jun 76

Anterior decompression of the thoracic and thoraco–lumbar spine. Weiss MH, et al. **Bull Los Angeles Neurol Soc** 40(3):112–5, Jul 75

Angiographic study of the effect of laminectomy in the presence of acute anterior epidural masses. Doppman JL, et al. **J Neurosurg** 45(2):195–202, Aug 76

A rational approach to cervical disk lesions and spondylosis. Fager CA. **Med Times** 104(9):108–19, Sep 76

Thoracolumbar kyphosis in achondroplasia with spinal cord compression. Sculco TP, et al. **NY State J Med** 76(3):426–9, Mar 76

Paraplegia in spondylitis: results of operative treatment. Fellländer M. **Paraplegia** 13(2):75–88, Aug 75

[Syndrome of the spinal duct due to narrowing of the lumbar region in patients of advanced age. Surgical treatment] Cárdenas J, et al. **Gac Med Mex** 110(6):421–7, Dec 75 **(Spa)**

[Statistical aspects of the results of surgical treatment of cervico–athrotic myelopathy] González–Feria L, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(191):25–34, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

THERAPY

Rehabilitation of patients with paralyses caused by cancer. Raven RW. **Clin Oncol** 1(3):263–8, Sep 75

Relief of spinal block during embolization of a vertebral body hemangioma. Case report. Gross CE, et al. **J Neurosurg** 45(3):327–30, Sep 76

Effects of local hypothermia and of steroids upon recovery from experimental spinal cord compression injury. Hansebout RR, et al. **Surg Neurol** 4(6):531–6, Dec 75

VETERINARY

Myelographic localization of spinal cord compression in dogs. A comparison between cisternal and lumbar injections of metrizamide 'Amipaque' in diagnosing and locating spinal cord compression. Funkquist B. **Acta Vet Scand** 16(2):269–87, 1975

Evaluation of three techniques of ventral decompression of the cervical spinal cord in the dog. Gilpin GN. **J Am Vet Med Assoc** 168(4):325–8, 15 Feb 76

Vertebral body deformation causing Wobbler syndrome in a Great Dane. Wolvekamp WT, et al. **Tijdschr Diergeneeskd** 100(14):775–80, 15 Jul 75

SPINAL CORD DISEASES

Proceedings: Spinal arachnoidal cysts. Pevehouse BC. **Acta Neurochir (Wien)** 31(3–4):273–4, 1975

Cervical spondylotic radiculopathy and myelopathy. A long–term follow–up study. Gregorius FK, et al. **Arch Neurol** 33(9):618–25, Sep 76

Intramedullary cysticercosis. Case report, literature review and comments on pathogenesis. De Souza Queiroz L, et al. **J Neurol Sci** 26(1):61–70, Sep 75

Extradural guinea–worm abscess. Report of two cases. Khwaja MS, et al. **J Neurosurg** 43(5):627–30, Nov 75

Subacute combined degeneration of the spinal cord. Nagurney JT. **Papua New Guinea Med J** 18(4):229–31, Dec 75

Problem solving in diagnostics and therapeutics of neurology. A series of 24 lectures Lecture no. 10. System diseases of the cord. Flora GC. **SD J Med** 29(6):11–2, Jun 76

Intramedullary cysticercosis. Garza–Mercado R. **Surg Neurol** 5(6):331–2, Jun 76

Intramedullary cysticercosis of spinal cord. Natarajan M, et al. **Surg Neurol** (3):157–8, Sep 76

Spinal cysticercosis. Roy RN, et al. **Surg Neurol** 6(2):129–31, Aug 76

Spinal cysticercosis. Carmalt JE, et al. **West J Med** 123(4):311–4, Oct 75

[Spinal cord sarcoidosis. Anatomo–clinical case] Buge A, et al. **Ann Med Interne (Paris)** 126(1):11–6, Jan 75 (Eng. Abstr.) **(Fre)**

[Radiation myelopathy] Gänshirt H. **Nervenarzt** 46(10):562–8, Oct 75 **(Ger)**

[Spinal epidural empyema in a child] Avram J, et al. **Harefuah** 89(7):323–7, 1 Oct 75 (Eng. Abstr.) **(Heb)**

[Marked autonomic nervous symptoms and systemic sensory disturbances following appendectomy: myeloradiculoneuropathy due to spinal anesthesia] Koshizuka H, et al. **Jpn J Clin Med** Spec No:996–7, 1536–9, 10 Apr 75 **(Jpn)**

[Spontaneous spinal epidural hematoma (author's transl)] Nishikawa M, et al. **Neurol Surg (Tokyo)** 4(7):685–8, Jul 76 **(Jpn)**

CEREBROSPINAL FLUID

Immunoglobulin abnormalities and measles antibody response in chronic myelopathy. Link H, et al. **Arch Neurol** 33(1):26–32, Jan 76

CHEMICALLY INDUCED

Necrotic myelopathy (myelomalacia) in rats with allergic encephalomyelitis treated with tilorone. Levine S, et al. **Am J Pathol** 82(2):381–92, Feb 76

Remyelination by Schwann cells of axons demyelinated by intraspinal injection of 6–aminonicotinamide in the rat. Blakemore WF. **J Neurocytol** 4(6):745–57, Dec 75

Neuropathologic effects of intrathecal water. Kelly JM, et al. **J Neuropathol Exp Neurol** 34(5):388–400, Sep 75

Central necrosis of the spinal cord induced by hyperbaric oxygen exposure. Balentine JD. **J Neurosurg** 43(2):150–5, Aug 75

Oxygen tension in spinal cord gray matter during exposure to hyperbaric oxygen. Ogilvie RW, et al. **J Neurosurg** 43(2):156–61, Aug 75

Massive intramedullary hemorrhage in a patient on anticoagulants. Case report. Papo I, et al. **J Neurosurg Sci** 18(4):268–70, Oct–Dec 74

Transverse myelopathy following the use of heroin. Lee MC, et al. **Minn Med** 59(2):82–3, Feb 76

'Painless' spinal epidural hematoma during anticoagulant therapy. Senelick RC, et al. **Neurology** 26(3):213–25, Mar 76

Acute spinal epidural hematoma secondary to aspirin–induced prolonged bleeding. Locke GE, et al. **Surg Neurol** 5(5):293–6, May 76

Regeneration of the bulbospinal serotonin system after 5,6– or 5,7–dihydroxytryptamine in the rat. Baumgarten HG, et al. **Verh Anat Ges** 69:497–8, 1975

[Brown–Sequard syndrome and extradural spinal cord hematoma in a patient taking antivitamin K] Laroche C, et al. **Sem Hop Paris** 51(42):2527–30, 23 Oct 75 (Eng. Abstr.) **(Fre)**

[Involutional myelopathy probably caused by antiepileptics in a subject with atypical epileptic crises due to probable hypoglycemic component and with secondary psychotic manifestations] Chini V. **Minerva Med** 66(70):3659–68, 20 Oct 75 **(Ita)**

COMPLICATIONS

Prevention of hypertensive crises in patients with high spinal lesions during cystoscopy and lithotripsy. Thorn–Alquist AM. **Acta Anaesthesiol Scand [Suppl]** :79–82, 1975

Acute paraplegia caused by a spontaneous extradural heamatoma of the conus medullaris area. Vapalahti M, et al. **Acta Chir Scand** 141(6):484–7, 1975

Schistosomiasis. Paraplegia and ectopic skin lesions as admission symptoms. Wood MG, et al. **Arch Dermatol** 112(5):690–5, May 76

Cervical spondylotic radiculopathy and myelopathy. A long–term follow–up study. Gregorius FK, et al. **Arch Neurol** 33(9):618–25, Sep 76

Spinal cord disease in hereditary spherocytosis: report of two cases with a hypothesized common mechanism for neurologic and red cell abnormalities. McCann SR, et al. **Blood** 48(2):259–63, Aug 76

Progressive spinal muscular atrophy in a case of hypokalamic periodic paralysis. Delaney JF, et al. **Dis Nerv Syst** 36(12):678–80, Dec 75

Toxoplasmosis in an adult presenting as paraparesis (a case report). Mishra DN, et al. **J Assoc Physicians India** 23(11):779–81, Nov 75

Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia. Hall PV, et al. **J Neurosurg** 43(4):457–63, Oct 75

Kinetic misperceptions in spinal and root diseases. Gasparini M, et al. **N Engl J Med** 294(3):167, 15 Jan 76

Subacute combined degeneration of the spinal cord with cystinuria. De Myer W, et al. **Neurology (Minneap)** 25(10):994–7, Oct 75

Syringomyelia associated with postmeningitic spinal arachnoiditis. Filling of the syrinx through a communication with the subarachnoid space. Savoiardo M. **Neurology (Minneap)** 26(6 PT 1):551–4, Jun 76

Lumbar intradural arachnoid diverticulum with cauda equina compression. Zumpano BJ, et al. **Surg Neurol** 5(6):349–53, Jun 76

[Spinal cord and scoliosis. The cause and the effect (author's transl)] Roth M. **Acta Chir Orthop Traumatol Cech** 42(6):507–17, Dec 75 (Eng. Abstr.) **(Cze)**

[Gastric acidity during nutritional neuropathies] Dumas M, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):111–4, 1975 (Eng. Abstr.) **(Fre)**

[Neural arthropathy of the elbow and spinal cord atrophy] Petit H, et al. **Lille Med** 21(4):312–5, Apr 76 **(Fre)**

[Radicular sciatica due to an intraarachidian mucoid cyst in a child] Faivre J, et al. **Neurochirurgie** 21(2):169–76, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Paresthesias of spinal origin] Mouchette R. **Rev Med Liege** 30(3):71–4, 1 Feb 75 **(Fre)**

[Heredo–degenerative disease with predominant extra–pyramidal symptoms] Pépin B, et al. **Rev Neurol (Paris)** 131(4):294–7, Apr 75 **(Fre)**

[Association of multiple basal cell carcinomas of the face and spinocerebellar degeneration. Study of 4 familial cases including an anatomo–clinical description] Pasquier B, et al. **Sem Hop Paris** 51(49):3009–17, 23 Dec 75 (Eng. Abstr.) **(Fre)**

[Studies on the maximal and minimal motor conduction velocity of spinal nerves in subjects with muscular atrophy of myelopathic origin] Mapelli G, et al. **Riv Neurobiol** 18(2):151–75, Apr–Jun 72 (Eng. Abstr.) **(Ita)**

[Motor paralysis of the spinal cord origin—progress of management from the orthopedics' standpoint; functional rehabilitation in paralysis caused by lower neuronal diseases] Tsuyama N. **Jpn J Clin Med** 33(10):2998–3002, Oct 75 **(Jpn)**

[Motor paralysis of the spinal cord origin—progress of its management from the standpoint of rehabilitation medicine] Ueda S. **Jpn J Clin Med** 33(10):2991–7, Oct 75 **(Jpn)**

[Chronic spinal epidural abscess (author's transl)] Fukai H, et al. **Neurol Surg (Tokyo)** 3(5):423–8, May 75 (Eng. Abstr.) **(Jpn)**

[Combined cerebral and spinal circulatory disorders] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 16(1):29–32, 1976 (Eng. Abstr.) **(Rus)**

CONGENITAL

Spinal endodermal cysts without associated vertebral or other congenital abnormalities. Report of four cases and review of the literature. Palma L, et al. **Acta Neurochir (Wien)** 33(3–4):283–300, 1976

Cerebellar hypoplasia in Werdnig–Hoffmann disease. Weinberg AG, et al. **Dev Med Child Neurol** 17(4):511–6, Aug 75

DIAGNOSIS

Proceedings: Neurophysiological examination (somatosensory evoked potentials [SEP]) for the objective diagnosis of spinal lesions. Fukushima T, et al. **Acta Neurochir (Wien)** 31(3–4):291–2, 1975

Proceedings: Neurophysiological examinations in the differential diagnosis of cervical spinal processes. Malin JP, et al. **Acta Neurochir (Wien)** 31(3–4):295, 1975

Electrophysiological technique for evaluating lesions of the conus medullaris and cauda equina. Rockswold GL, et al. **J Neurosurg** 45(3):321–6, Sep 76

Spinal cord sarcoidosis. Nathan MP, et al. **NY State J Med** 76(5):748–52, May 76

Schistosomiasis (bilharziasis) mansoni of the spinal cord stimulating an intramedullary tumor. Luyendijk W, et al. **Surg Neurol** 4(5):457–60, Nov 75

Acute spinal epidural abscess. Loar CR, et al. **W Va Med J** 72(3):56–7, Mar 76

[Arachnoidal cysts of the spinal canal. Our experiences with 34 patients] Malý Z, et al. **Cesk Neurol Neurochir** 39(3):139–44, May 76 (Eng. Abstr.) **(Cze)**

[Postural scintimyelography of the cervical spine (author's transl)] Lakke JP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(6):511–16, Jun 75 (Eng. Abstr.) **(Ger)**

[Radiation injury of the spinal cord] Fröscher W. **Fortschr Neurol Psychiatr** 44(3):94–135, Mar 76 (321 ref.)

(Eng. Abstr.) (Ger)
[Radiation myelopathy] Fröscher W, et al. **Nervenarzt** 46(7):391–6, Jul 75 (Ger)
[Value and limitations of myeloscintigraphy] Dietrich J, et al. **Radiol Diagn (Berl)** 16(1):43–8, 1975 (Eng. Abstr.) (Ger)
[Liquor space diagnosis using 99m Tc–HSA, 131 I–HSA or 169 Yb–Ca–DTPA] Döge H, et al. **Radiol Diagn (Berl)** 16(1):49–55, 1975 (Eng. Abstr.) (Ger)
[Differential diagnosis and therapy of circulation disorders of the spinal cord] Reisner H. **Wien Med Wochenschr** 125(18–20):284–7, 2 May 75 (Ger)
[Analysis of cases of funicular myelosis] Pryszmont M, et al. **Neurol Neurochir Pol** 9(5):603–10, Sep–Oct 75 (Eng. Abstr.) (Pol)
[Ciliospinal reflex in man] Henriques FG, et al. **Arq Neuropsiquiatr** 34(3):258–65, Sep 76 (Eng. Abstr.) (Por)
[Radioisotope myelocisternoscintigraphy] Naumenko IuI, et al. **Med Radiol (Mosk)** 20(4):3–7, Apr 75 (Eng. Abstr.) (Rus)
[Problems of differential diagnosis of spinal forms of tuberculous meningitis] Sitnikova IuZ. **Sov Med** (11):94–8, Nov 75 (Eng. Abstr.) (Rus)
[The diagnostic value of screening the subarachnoid space in syringomyelia and other diseases of the spinal cord and its meninges] Pleshkova NM. **Zh Nevropatol Psikhiatr** 76(4):497–500, Apr 76 (Eng. Abstr.) (Rus)

DRUG THERAPY

The effect of diazepam on presynaptic inhibition in patients with complete and incomplete spinal cord lesions. Verrier M, et al. **Can J Neurol Sci** 2(3):179–84, Aug 75
An evaluation of baclofen treatment for certain symptoms in patients with spinal cord lesions. A double–blind, cross–over study. Duncan GW, et al. **Neurology (Minneap)** 26(5):441–6, May 76
[Fenoxedil in cerebral and spinal cord circulatory insufficiency] Lehembre P, et al. **Lille Med** 21(1 suppl 1):1–3, Jan 76 (Fre)

ETIOLOGY

Interrelationships between the B–vitamins in B12–deficiency neuromyelopathy. A possible malabsorption–malnutrition syndrome. Dastur DK, et al. **Am J Clin Nutr** 28(11):1255–70, Nov 75
Neurological complications of extraspinal. Smith RA. **Am Surg** 42(9):679–84, Sep 76
Transverse myelopathy in systemic lupus erythematosus. Report of three cases and review of the literature. Andrianakos AA, et al. **Ann Intern Med** 83(5):616–24, Nov 75
Observations on radiation myelopathy. Godwin–Austen RB, et al. **Brain** 98(4):557–68, Dec 75
Delayed cervical myelopathy caused by bomb shell fragment. Case report. Amitani K, et al. **J Neurosurg** 44(5):626–7, May 76
Ultrastructural blood–brain barrier alterations and edema formation in acute spinal cord trauma. Goodman JH, et al. **J Neurosurg** 44(4):418–24, Apr 76
Posterolateral sclerosis in diabetic patient Relkin R, et al. **NY State J Med** 76(2):281–2, Feb 76
Subacute combined degeneration of the spinal cord and air encephalography. Mendelsohn G, et al. **S Afr Med J** 49(46):1937–8, 1 Nov 75
Delayed neurological manifestations secondary to electrical injury—a case report. Low YS. **Singapore Med J** 17(1):58–60, Mar 76
Tropical ataxic myelopathy. Krishnaswamy K, et al. **Trop Geogr Med** 27(3):249–52, Sep 75
[2 types of post–traumatic spinal cord edema in animal experiments] Němeček S, et al. **Cesk Neurol Neurochir** 39(3):124–30, May 76 (Eng. Abstr.) (Cze)
[Myelopathy and macrocytic anemia associated with a folate deficiency. Cure by folic acid] Raphael JC, et al. **Ann Med Interne (Paris)** 126(5):339–48, May 75 (Eng. Abstr.) (Fre)
[Late progressive radiation myelopathies. A study of 27 cases] Combes PF, et al. **J Radiol Electrol Med Nucl** 56(11):815–25, Nov 75 (Eng. Abstr.) (Fre)
[Porto–systemic encephalo–myelopathy] Gauthier G, et al. **Rev Neurol (Paris)** 131(5):319–38, May 75 (78 ref.) (Eng. Abstr.) (Fre)
[Role of vertebral hyperostosis in cervical myelopathies] Arlet J, et al. **Rev Rhum Mal Osteoartic** 43(3):167–75, Mar 76 (Eng. Abstr.) (Fre)
[Metabolic myelosis (author's transl)] Richert S, et al. **Med Klin** 70(44):1771–9, 31 Oct 75 (Eng. Abstr.) (Ger)
[New views on the relationship between cardiac and spinal circulatory disorders] Jörg J, et al. **Nervenarzt** 47(2):112–7, Feb 76 (Ger)
[Radiculo–myelopathy due to primary spinal tubercular leptomeningitis in the adult] Simonetti C, et al. **Riv Neurobiol** 19(1–2):145–54, Jan–Jun 73 (Eng. Abstr.) (Ita)
[Chronic cervical hematomyelia (author's transl)] López Zafra JJ, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(193):109–14, May–Jun 75 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

A case of familial spinocerebellar degeneration with hypobetalipoproteinemia. Korula J, et al. **Neurol India** 24(1):41–5, Mar 76
Familial progressive bulbar and spinal muscular atrophy. Juvenile onset and late morbidity with ragged–red fibers. Dobkin BH, et al. **Neurology (Minneap)** 26(8):754–63, Aug 76
[Familial form of cutaneous epitheliomatosis with complex neurological characteristics similar to hereditary spinocerebellar degeneration. Apropos of 4 cases including one case with anatomo–clinical description] Chateau R, et al. **Rev Neurol (Paris)** 131(6):387–406, Jun 75 (Eng. Abstr.) (Fre)
[Familial occurrence of Kugelberg–Welander pseudomyopathic spinal muscular atrophy] Zeiler K, et al. **Nervenarzt** 47(7):444–8, Jul 76 (Ger)
[Study on the relationship of spino–cerebellar hereditary degeneration and progressive muscular atrophy] Ramelli E, et al. **Riv Neurobiol** 18(2):101–34, Apr–Jun 72 (Eng. Abstr.) (Ita)
[Amyotrophic leukospongiosis (Miotch's disease)] Votiakov VI, et al. **Vestn Akad Med Nauk SSSR** (12):7–12, 1975 (Eng. Abstr.) (Rus)

METABOLISM

Normal vitamin B12 turnover in subacute combined degeneration of the spinal cord. Mendelsohn G, et al. **J Lab Clin Med** 86(4):667–71, Oct 75
Glycine levels in the degenerated human spinal cord. Boehme DH, et al. **J Neurol Sci** 27(3):347–52, Mar 76

MICROBIOLOGY

Bacteriuria in patients with spinal cord lesions. Newman E, et al. **J Am Med Wom Assoc** 30(10):403–8, Oct 75

PATHOLOGY

Cholesterol masses in association with spinal cord infarction due to intervertebral disc emboli. Griffiths IR, et al. **Acta Neuropathol (Berl)** 33(1):85–8, 27 Oct 75
Chronic meningoencephalomyelitis with spastic spinal paralysis: a case report. Mitsuyama Y, et al. **Folia Psychiatr Neurol Jpn** 29(3):251–61, 1975
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia. Hall PV, et al. **J Neurosurg** 43(4):464–70, Oct 75
Ependymal cyst of the spinal cord. Case report. Mosso JA, et al. **J Neurosurg** 43(6):757–60, Dec 75
Sarcoidosis of the spinal cord. Case report. Snyder R, et al. **J Neurosurg** 44(6):740–3, Jun 76
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 26–1976. **N Engl J Med** 294(26):1447–54, 24 Jun 76
[Autopsy study of spinal cord disease developing 7 years after cobalt radiation treatment] Takahashi K, et al. **Jpn J Clin Med** 33(7):2431–4, 10 Jul 75 (Jpn)
[Morphological analysis of clinically unrecognized vasogenic spinal cord lesions] Markiewicz D, et al. **Neurol Neurochir Pol** 10(3):305–13, May–Jun 76 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Slow saccades in spinocerebellar degeneration. Zee DS, et al. **Arch Neurol** 33(4):243–51, Apr 76
The site of anoxic block in the spinal monosynaptic pathway. Carregal EJ. **J Neurobiol** 6(1):103–13, Jan 75
Some aspects of the spinal cord circulation in cervical myelopathy. Rovira M, et al. **Neuroradiology** 9(4):209–14, 29 Aug 75
[Anomalies of ocular saccades in a case of familial spino–cerebellar degeneration] Perenin MT, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):489–94, Jul–Sep 74 (Fre)

RADIOGRAPHY

Localized spinal cord atrophy: significance of its demonstration. Komaki S. **Radiology** 121(1):111–4, Oct 76
Cervicovertebral phlebography: pathological results. Théron J. **Radiology** 118(1):73–81, Jan 76
[Spinal extradural meingeal cysts. A propos case with pure dorso–lumar form] Chaouat Y, et al. **Rev Rhum Mal Osteoartic** 43(5):389–94, May 76 (Fre)
[Diagnosis of cervical intervertebral disk lesions. II. Radiological aspects of cervical myelopathies] Kühner A, et al. **Nervenarzt** 47(3):165–8, Mar 76 (Ger)
[Problem of chronic cervical myelopathy] Dalmer J, et al. **Z Aerztl Fortbild (Jena)** 69(15):781–91, 1 Aug 75 (Ger)
[Regarding the diagnostic efficiency of myelography (author's transl)] Bryc S, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:117–25, 1974 (Eng. Abstr.) (Pol)

REHABILITATION

[Indications for hand and foot orthotics in paralysis] Ottoson LG. **Lakartidningen** 73(20):1935–6, 1976 (Swe)

SURGERY

The effect of surgical immobilization after laminectomy in the treatment of advanced cases of cervical spondylotic myelopathy. González–Feria L. **Acta Neurochir (Wien)** 31(3–4):185–93, 1975
Influence of laminectomy on the course of cervical myelopathy. Gorter K. **Acta Neurochir (Wien)** 33(3–4):265–81, 1976
Spinal lesions, paraplegia and the surgeon. Berg D. **Papua New Guinea Med J** 18(2):100–8, Jun 75
Surgical management of spinal cord cysts. Edgar RE. **Paraplegia** 14(1):21–7, May 76
Electrophysiologic monitoring of spinal cord function during intraspinal surgery. McCallum JE, et al. **Surg Forum** 26:469–71, 1975
Spontaneous spinal epidural hematoma during pregnancy. Yonekawa Y, et al. **Surg Neurol** 3(6):327–8, Jun 75
[Treatment of radiculo–spinal complications of cervic arthrosis with Cloward's method. Results concerning 370 patients] Jomin J, et al. **Neurochirurgie** 21(1):21–8, Jan–Feb 75 (Eng. Abstr.) (Fre)
Acute non–traumatic transverse syndrome from a neurosurgical standpoint] Dietrich J. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):629–32, Oct 75 (Eng. Abstr.) (Ger)
[Acute epidural spinal abscess—A case of complete recovery by surgical treatment (author's transl)] Kobayashi T, et al. **Neurol Surg (Tokyo)** 3(8):697–702, Aug 75 (Eng. Abstr.) (Jpn)
[Spontaneous spinal subarachnoidal hematoma—case report (author's transl)] Owaki K, et al. **Neurol Surg (Tokyo)** 3(7):593–7, Jul 75 (Eng. Abstr.) (Jpn)

THERAPY

Proceedings: Clinical course of spinal lesions treated with hyperbaric oxygenation (HO). Holbach KH, et al. **Acta Neurochir (Wien)** 31(3–4):297–8, 1975
Proceedings: Electromyographic findings in spinal cord lesions treated with hyperbaric oxygenation (HO). Linke D, et al. **Acta Neurochir (Wien)** 31(3–4):298–9, 1975
[Therapeutic gymnastics in diseases of the spinal cord and its nerve roots with the use of a gymnastic trainer for the foot] Pustovoĭtenko VT. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):370–2, Jul–Aug 75 (Rus)

VETERINARY

Effects of intramedullary injection of methiodal and lidocaine on spinal cords of dogs. Parker AJ, et al. **Am J Vet Res** 36(10):1529–32, Oct 75
Naturally occurring cerebrospinal parelaphostronglylosis. Mayhew IG, et al. **Cornell Vet** 66(1):56–72, Jan 76
Isolation of Actinobacillus lignieresi from a epidural abscess in a horse with progressive paralysis. Chladek DW, et al. **J Am Vet Med Assoc** 168(1):64–6, 1 Jan 76
Feline infectious peritonitis with spinal cord involvement in two cats. Legendre AM, et al. **J Am Vet Med Assoc** 167(10):31–2, 15 Nov 75
Necrotizing myelopathy in a cat. Zaki FA, et al. **J Am Vet Med Assoc** 169(2):228–9, 15 Jul 76
Necrotizing myelopathy secondary to embolization of herniated intervertebral disk material in the dog. Zaki FA, et al. **J Am Vet Med Assoc** 169(2):222–8, 15 Jul 76
Chronic degenerative radiculomyelopathy in the dog. Griffiths IR, et al. **J Small Anim Pract** 16(8):461–71, Aug 75

SPINAL CORD INJURIES

Gunshot wounds of the spinal cord: a survey of literature and epidemiologic study of 48 lesions in Alabama. Fine PR, et al. **Ala J Med Sci** 13(2):173–80, Apr 76 (25 ref.)
Sexual adjustment and feminine attractiveness among spinal cord injured women. Bregman S, et al. **Arch Phys Med Rehabil** 57(9):448–50, Sep 76
Spinal cord injury in children. Campbell J, et al. **Clin Orthop** (112):114–23, Oct 75
A rapid non–operative technique for producing spinal cord injury in animals. Doppman JL, et al. **Invest Radiol** 11(2):150–1, Mar–Apr 76
A method of quantitating injury inflicted in acute spinal cord studies. Daniell HB, et al. **Paraplegia** 13(3):137–42, Nov 75
A review of experimental research in spinal cord injury. Yeo JD. **Paraplegia** 14(1):1–11, May 76 (106 ref.)
The United States National Spinal Cord Injury Data Research Centre. Young JS. **Paraplegia** 14(1):81–6, May 76
Problem solving in diagnostics and therapeutics of neurology. Focal cord deficits. Flora GC. **SD J Med** 29(5):21–2, May 76
An apparatus for quantitating experimental spinal cord trauma. Dohrmann GJ, et al. **Surg Neurol** 5(5):315–8, May 76
A model of spinal cord injury. Eidelberg E, et al. **Surg Neurol** 6(1):35–8, Jul 76
Biomechanical responses to open experimental spinal cord injury. Hung TK, et al. **Surg Neurol** 4(2):271–6, Aug 75
[Neonatal spinal cord injury and primary cephalic deflections] Madelenat P. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):307–12, Mar 74 (Fre)
[Critical notes on the transport of patients with cervical spinal cord injuries] Nechwatal E. **Chirurg** 46(11):521–3, Nov 75 (Eng. Abstr.) (Ger)
[The assessment of traumatic lesions to the spinal cord and the spine] Jörg J. **Med Welt** 27(13):603–10, 26 Mar 76 (Ger)
[Myelopathies by ionizing radiations] Sanjuanbenito L, et al. **Arch Neurobiol (Madr)** 38(1):1–12, Jan–Feb 75 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Cerebrospinal fluid lactate and electrolyte levels following experimental spinal cord injury. Anderson DK, et al. **J Neurosurg** 44(6):715–22, Jun 76

CLASSIFICATION

Letter: Grading animals with spinal cord injury. Eidelberg E. **J Neurosurg** 43(5):646–7, Nov 75

COMPLICATIONS

Autonomic hyperreflexia. Feustel D. **Am J Nurs** 76(2):228–30, Feb 76

Sexual loss in relation to other functional losses for spinal cord injured males. Hanson RW, et al. **Arch Phys Med Rehabil** 57(6):291–3, Jun 76

Urinary tract infections, causes and management, with particular reference to the patient with spinal cord injury: a review. Merritt JL. **Arch Phys Med Rehabil** 57(8):365–73, Aug 76

Content analysis of verbal communication between spinal cord injured and nondisabled male college students. Mesch JC. **Arch Phys Med Rehabil** 57(1):25–30, Jan 76

Abdominal problems in patients with spinal cord lesions. Miller LS, et al. **Arch Phys Med Rehabil** 56(9):405–8, Sep 75

Percutaneous suprapubic cystostomy after spinal cord injury. Cook JB, et al. **Br J Urol** 48(2):119–21, Apr 76

Sexual problems in disorders of the nervous system. II. Psychological reactions. Silver JR, et al. **Br Med J** 3(5982):532–4, 30 Aug 75

Dopamine beta-hydroxylase release during hypertension from sympathetic nervous overactivity in man. Mathias CJ, et al. **Cardiovasc Res** 10(2):176–81, Mar 76

Pain and suffereing following spinal cord injury. Davis R. **Clin Orthop** (112):76–80, Oct 75

Spasticity following spinal cord injury. Davis R. **Clin Orthop** (112):66–75, Oct 75

Heterotopic ossification around the hip joint in spinal cord injured patients. Hsu JD, et al. **Clin Orthop** (112):165–9, Oct 75

The management of long bone fracture in the spinal cord injured patient. McMaster WC, et al. **Clin Orthop** (112):44–52, Oct 75

Heterotopic ossification. Wharton GW. **Clin Orthop** (112):142–9, Oct 75

Quadriplegia resulting from minimal injury to the neck (report of two cases). Dada TO, et al. **East Afr Med J** 53(1):7–12, Jan 76

Postdecapitation convulsions and their inhibition by drugs. Eichbaum FW, et al. **Exp Neurol** 49(3):802–12, Dec 75

The treatment of patients with multiple injuries associated with damage to the spinal cord. pp. 471–5. Morpurgo CV.

In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Medical and psychosocial problems of the spinal cord injured client. pp. 173–80. Tooms RE.

In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Disodium etidronate in the prevention of postoperative recurrence of heterotopic ossification in spinal-cord injury patients. Stover SL, et al. **J Bone Joint Surg [Am]** 58(5):683–8, Jul 76

Ultrastructural blood-brain barrier alterations and edema formation in acute spinal cord trauma. Goodman JH, et al. **J Neurosurg** 44(4):418–24, Apr 76

Sexual counseling with spinal cord-injured clients. Miller DK. **J Sex Marital Ther** 1(4):312–8, Summer 75

Experience with intermittent catheterization in chronic spinal cord injury patients. Firlit CF, et al. **J Urol** 114(2):234–6, Aug 75

Letter: Re: An attempt to understand and to treat voiding dysfunctions during rehabilitation of the bladder in spinal cord injury patients. Hackler RH. **J Urol** 116(2):263, Aug 76

An evaluation of average flow rate in traumatic neurogenic bladder dysfunction. Iwatsubo E, et al. **J Urol** 114(6):871–3, Dec 75

Intermittent catheterization and bladder rehabilitation in spinal cord injury patients. Perkash I. **J Urol** 114(2):230–3, Aug 75

An attempt to understand and to treat voiding dysfunctions during rehabilitation of the bladder in spinal cord injury patients. Perkash I. **J Urol** 115(1):36–40, Jan 76

'Phantom' sensations following intraspinal injury. Sweet WH. **Neurochirurgia (Stuttg)** 18(5):139–54, Sep 75 (29 ref.)

Long-term results of sacral rhizotomy for ureteral reflux in the spinal cord injured. Cashion EL, et al. **Paraplegia** 13(3):153–6, Nov 75

Pathology of the striated urethral sphincter in spinal cord injury patients: indications and results of external sphincterotomy (100 cases). Leriche A, et al. **Paraplegia** 13(4):275–9, Feb 76

Modified approach to sphincterotomy in spinal cord injury patients. Indications, technique and results in 32 patients. Perkash I. **Paraplegia** 13(4):247–60, Feb 76

Changes in the upper urinary tract as demonstrated on intravenous pyelography and micturating cysto-urethrography in patients with spinal cord injury. Scher AT. **Paraplegia** 13(3):157–61, Nov 75

The effect of trans-urethral surgery on penile erections in spinal cord injury patients. Thomas DG. **Paraplegia** 13(4):286–9, Feb 76

Deep venous thrombosis in acute spinal cord injury: a comparison of 125I fibrinogen leg scanning, impenance plethysmography and venography. Todd JW, et al. **Paraplegia** 14(1):50–7, May 76

Some effects of lesion level, and emotional cues on affective expression in spinal cord patients. Jasnos TM, et al. **Psychol Rep** 37(3 Pt 1):859–70, Dec 75

The effect of Dantrium on spasticity in spinal cord injuries. Jonsson B, et al. **Scand J Rehabil Med** 7(2):61–4, 1975

Effect of autonomic hyperreflexia on plasma renin. Nanninga JB, et al. **Urology** 7(6):638–40, Jun 76

[2 types of post-traumatic spinal cord edema in animal experiments] Němeček S, et al. **Cesk Neurol Neurochir** 39(3):124–30, May 76 (Eng. Abstr.) **(Cze)**

[Possible role of the cerebellum in the formation of injury vertigo of lumbar origin] Ushio N. **Agressologie** 15(5):343–52, 1974 (Eng. Abstr.) **(Fre)**

[Traumatic tetraplegia: anesthesia-resuscitation in the acute phase] Erny P. **Ann Anesthesiol Fr** 15(3):1I–6I, 1974 **(Fre)**

[The bladder in spinal cord injuries] **J Urol Nephrol (Paris)** 80(12 pt 2):241–2, Dec 74 **(Fre)**

[Dysuria in acquired paraplegia in adults after the spinal cord injury phase] Cukier J. **J Urol Nephrol (Paris)** 80(12 pt 2):251–7, Dec 74 **(Fre)**

[Experimental section of the spinal cord in animals; study of postoperative care] Jonas U, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):290, Dec 74 **(Fre)**

[Current indications of spinal cord stimulation in neurogenic bladders] Sarramon JP, et al. **J Urol Nephrol (Paris)** 81(7–8):599–600, Jul–Aug 75 **(Fre)**

[Spinal cord neurostimulation in neurogenic bladder] Sarramon JP, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):287–9, Dec 74 **(Fre)**

[Spinal cord injury. Treatment in the immediate post-injury period] Willot JP. **J Urol Nephrol (Paris)** 80(12 pt 2):250–1, Dec 74 **(Fre)**

[Bladder stimulation of patients with spinal injuries] Magasi P, et al. **Acta Chir Acad Sci Hung** 16(3):245–58, 1975 (Eng. Abstr.) **(Ger)**

[About the relief of severe spasticity in paraplegics (author's transl)] Zrubecky G. **Arch Orthop Unfallchir** 85(1):51–9, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Traumatic paraplegia] Presber W. **Z Aerztl Fortbild (Jena)** 70(8):426–9, 15 Apr 76 **(Ger)**

[Fibrocartilaginous embolia of the spinal cord – a rare cause of myelomalacia (author's transl)] Roitzsch E. **Zentralbl Allg Pathol** 119(1–2):100–3, 1975 **(Ger)**

[Phrenic nerve injury detected by mass chest x-ray screening, spontaneous regression after 3 years] Késmárky R. **Orv Hetil** 116(37):2191–3, 14 Sep 75 **(Hun)**

[Lioresal in the treatment of spasticity] Duma-Drzewińska A, et al. **Pol Tyg Lek** 31(29):1259–62, 19 Jul 76 (Eng. Abstr.) **(Pol)**

[Clinico-functional and morphological analysis of the female genital organs in spinal cord lesions] Dodonova LG, et al. **Akush Ginekol (Mosk)** (12):47–51, Dec 75 (Eng. Abstr.) **(Rus)**

[Prevention of decubitus ulcer in fractures and dislocations of the cervical spine with injury of the spinal cord] Kucherenko AE, et al. **Klin Khir** (7):41–3, Jun 75 **(Rus)**

[Neurodystrophic changes in the limbs in spinal and spinal cord injuries] Sipukhin IaM, et al. **Klin Med (Mosk)** 53(9):63–6, Sep 75 **(Rus)**

[Experience with 60 frontal myelotomies in treatment of spastic manifestations in patients with injuries of the spine and spinal cord] Virozub ID, et al. **Vopr Neirokhir** (2):21–6, MAR–APR 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Electrophysiological studies in the assessment of spinal cord lesions. Brandstater ME, et al. **Arch Phys Med Rehabil** 57(2):70–4, Feb 76

Graphical representation of neuromuscular function in spinal cord injury. Moffet CL, et al. **Arch Phys Med Rehabil** 57(3):98–102, Mar 76

Diagnosis and prognosis of acute cervical spinal cord injury. Stauffer ES. **Clin Orthop** (112):9–15, Oct 75

Electrospinogram and spinal and cortical evoked potentials in experimental spinal cord trauma. Morrison G, et al. **J Neurosurg** 43(6):737–41, Dec 75

[Prognostic elements at early stapes of severe spinal cord injuries (value of pain sensitivity)] Vlahovitch B, et al. **Neurochirurgie** 21(6):447–68, Nov 75 (Eng. Abstr.) **(Fre)**

[Ciliospinal reflex in man] Henriques FG, et al. **Arq Neuropsiquiatr** 34(3):258–65, Sep 76 (Eng. Abstr.) **(Por)**

[Features of the clinical picture of birth injuries to the spinal cord] Molotilova TG. **Zh Nevropatol Psikhiatr** 75(10):1446–50, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Further studies on histamine in spinal cord injury and post traumatic hyperemia. Kobrine AI, et al. **Surg Neurol** 5(2):101–3, Feb 76

The effect of antihistamines on experimental posttraumatic edema of the spinal cord. Kobrine AI, et al. **Surg Neurol** 5(5):307–9, May 76

[Nitrogen mustard effects in the treatment of spinal cord and peripheral nerve injuries] Makowski J, et al. **Pol Tyg Lek** 31(1):27–9, 5 Jan 76 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Muscle fiber composition in patients with traumatic cord lesion. Grimby G, et al. **Scand J Rehabil Med** 8(1):37–42, 1976

Intracellular enzyme liberation in primate spinal cord injury. Yashon D, et al. **Surg Neurol** 4(1):43–51, Jul 75

ETIOLOGY

Multiple non-contiguous injuries to the spine. Kewalramani LS, et al. **Acta Orthop Scand** 47(1):52–8, Feb 76

Neonatal cord injuries. Brans YW, et al. **Am J Obstet Gynecol** 123(8):918–9, 15 Dec 75

Total spinal anesthesia: a rare complication of intrathoracic intercostal nerve block. Otto CW, et al. **Ann Thorac Surg** 22(3):289–92, Sep 76

Spinal cord injury as a complication of elective anterior cervical fusion. Kraus DR, et al. **Clin Orthop** (112):130–41, Oct 75

Fetal spinal-cord injury secondary to hyperextension of the neck: no effect of caesarean section. Maekawa K, et al. **Dev Med Child Neurol** 18(2):228–32, Apr 76

Tetraplegia from trauma of the cervical spine in the absence of fractures and luxations. Perna E, et al. **J Neurosurg Sci** 19(3):171–5, Jul–Sep 75

Editorial: Cervical spine injuries in football. Hussey HH. **JAMA** 236(11):1274, 13 Sep 76

A cervical spinal cord injury following chiropractic manipulation. Rinsky LA, et al. **Paraplegia** 13(4):223–7, Feb 76

Underwater deceleration curves in relation to injuries from diving. Albrand OW, et al. **Surg Neurol** 4(5):461–4, Nov 75

The neurological risk of Harrington procedures (author's transl)] Zielke K, et al. **Arch Orthop Unfallchir** 83(3):311–22, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Neurological complications of abdominal angiography (author's transl)] Haertel M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):52–5, Jul 75 **(Ger)**

FAMILIAL & GENETIC

Outcome of marriages existing at the time of a male's spinal cord injury. El Ghatti AZ, et al. **J Chronic Dis** 28(7–8):383–8, Aug 75

IMMUNOLOGY

[Certain problems of body's reactivity in traumatic lesions of the spinal cord] Kolker II, et al. **Klin Med (Mosk)** 53(9):55–9, Sep 75 **(Rus)**

[Autoimmune shifts in the dynamics of experimental spinal cord injury] Kogan OG, et al. **Vopr Neirokhir** (5):32–5, Sep–Oct 75 **(Rus)**

METABOLISM

Norepinephrine levels in traumatized spinal cord of catecholamine-depleted cats. Schoultz TW, et al. **Brain Res** 109(2):367–74, 11 Jun 76

Effect of traumatic stress on catecholamine synthesis and metabolism in the spinal cord. pp. 367–75. Naftchi NE, et al.

In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Concentrations of NE and 5-HT in the contused sheep spinal cord: status of the monoamine hypothesis. Kidman AD, et al. **J Neurochem** 27(1):293–4, Jul 76

Biochemical and histochemical studies of biogenic amines in spinal cord trauma. Zivin JA, et al. **Neurology (Minneap)** 26(2):99–107, Feb 76

Altered levels of PGF in cat spinal cord tissue following traumatic injury. Jonsson HT Jr, et al. **Prostaglandins** 11(1):51–61, Jan 76

[Metabolic manifestations of the compensatory process in the brains of cats following spinal cord injuries] Kazakova PB. **Zh Nevropatol Psikhiatr** 75(7):1017–21, 1975 (Eng. Abstr.) **(Rus)**

NURSING

Rehabilitation of the severely disabled. Nursing aspects of the program. pp. 187–90. Felts J.

In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

An experimental nursing study: a behavior modification approach to nursing therapeutics in body positioning of spinal cord-injured patients. Rottkamp BC. **Nurs Res** 25(3):181–6, May–Jun 76

OCCURRENCE

Epidemiology of spinal cord injury. Kurtzke JF. **Exp Neurol** 48(3 pt. 2):163–236, Sep 75

Incidence of traumatic spinal cord lesions. Kraus JF, et al. **J Chronic Dis** 28(9):471–92, Oct 75

Pattern of spinal cord injury in the elderly. Watson N. **Paraplegia** 14(1):36–40, May 76

[Card model protocol for statistical study in neurotraumatology] Bustos JC, et al. **Rev Clin Esp** 141(5):465–76, 15 Jun 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Radiation myelopathy. Sutherland IA, et al. **Arch Phys Med Rehabil** 57(2):81–4, Feb 76

Pathology of spinal cord injury in experimental lesions. White RJ. **Clin Orthop** (112):16–26, Oct 75 (27 ref.)

A neuroanatomical analysis of spinal cord injury in the rhesus monkey (Macaca mulatta). Bresnahan JC, et al. **J Neurol Sci** 28(4):521–42, Aug 76

[Formation of cicatrix following transverse section of the spinal cord] Galabov G, et al. **Verh Anat Ges** 69:543–9, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Signs of plasticity and reconnection in spinal cord damage. Wall PD. **Ciba Found Symp** (34):35–63, 1975

Proceedings: Study of reflexes in the clinical syndromes of spinal cord transection. Lacert P, et al. **Electroencephalogr Clin Neurophysiol** 39(5):550–1, Nov 75

Electromyographic investigation of the superficial sphincter ani muscle (SSAM) in spinal cord injury. Blank A, et al. **Electromyogr Clin Neurophysiol** 15(3):261–8, Jul 75

Vasogenic edema in the injured spinal cord: a method of evaluating the extent of blood–brain barrier alteration to horseradish peroxidase. Beggs JL, et al. **Exp Neurol** 49(1 Pt 1):86–96, Oct 75

A method for estimating edema in experimental traumatic spinal cord injury. Kobrine AI, et al. **Exp Neurol** 50(1):240–5, Jan 76

Function of the anal sphincters in spinal man. Frenckner B. **Gut** 16(8):638–44, Aug 75

Effects of stimulus site on the pattern of skin conductance responses evoked from spinal man. Fuhrer MJ. **J Neurol Neurosurg Psychiatry** 38(8):749–55, Aug 75

Spinal cord blood flow after acute experimental cord injury in dogs. Griffiths IR. **J Neurol Sci** 27(2):247–59, Feb 76

Blood flow in normal and injured monkey spinal cord. Bingham WG, et al. **J Neurosurg** 43(2):162–71, Aug 75

Role of histamine in posttraumatic spinal cord hyperemia and the luxury perfusion syndrome. Kobrine AI, et al. **J Neurosurg** 44(1):16–20, Jan 76

Possible mechanisms for observed pathophysiological variability in experimental spinal cord injury by the method of Allen. Koozekanani SH, et al. **J Neurosurg** 44(4):429–34, Apr 76

Microcirculation of traumatized spinal cord. A correlation of microangiography and blood flow patterns in transitory and permanent paraplegia. Dohrmann GJ, et al. **J Trauma** 15(11):1003–13, Nov 75

Dyssynergic vesicourethral responses during bladder rehabilitation in spinal cord injury patients: effects of suprapubic percussion, credé method and bethanechol chloride. Yalla SV, et al. **J Urol** 115(5):575–9, May 76

The circulatory disturbance of spinal cord injury and its response to local cooling therapy. Tsubokawa T, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:87–93, 1975

Recovery in rats after spinal cord injury. Feringa ER, et al. **Neurology (Minneap)** 26(9):839–43, Sep 76

Alterations of pulmonary function in spinal cord injured patients. Ohry A, et al. **Paraplegia** 13(2):101–8, Aug 75

Micturition patterns in patients paraplegic following spinal cord injury. Smith PH, et al. **Paraplegia** 13(4):235–42, Feb 76

Neurophysiological effects of prolonged cooling of the calf in patients with complete spinal cord transection. Lightfoot E, et al. **Physiotherapy** 62(4):114–7, Apr 76

The effect of angiography on the electrophysiological state of the spinal cord. A study in control and traumatized cats. Fox AJ, et al. **Radiology** 118(2):343–50, Feb 76

Bladder and urethral recordings in acute and chronic spinal cord injury patients. Rossier AB, et al. **Urol Int** 31(1–2):49–59, 1976

Synchronous cystosphincterometry in patients with spinal cord injury. Studies with continuous bladder and urethral infusions and physical factors influencing interpretation. Yalla SV, et al. **Urology** 6(6):777–88, Dec 75

Proceedings: Boutons terminaux in lumbar spinal cord following crush injury section, immediate and delayed repair of the sciatic nerve in the rat. Elias ER. **West Afr J Pharmacol Drug Res** 2(1):84P–85P, Dec 74

[Spinal shock and micturation] Viktorov I, et al. **Khirurgiia (Sofiia)** 28(4):347–51, 1975 (Eng. Abstr.) **(Bul)**

[Reflexology study of the clinical syndromes of spinal section] Lachert P, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(4):596–600, Oct–Dec 74 **(Fre)**

[Sensory cortical evoked responses in acute traumatic medullary lesions] Bricolo A, et al. **Riv Neurol** 45(2):226–36, Apr–Jun 75 **(Ita)**

[Electromyographic indices of lesion to the spinal cord following its trauma] Nesmeianova TN. **Biull Eksp Biol Med** 80(10):25–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Adrenal cortex function during electroimpulse therapy in patients with spinal cord injury] Livshits AV, et al. **Klin Med (Mosk)** 53(11):114–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Roentgenological and radioisotope studies of renal function in patients with spinal cord injury] Rasskazov EV, et al. **Klin Med (Mosk)** 53(9):60–3, Sep 75 **(Rus)**

[State of the hypothalamus–hypophysis–adrenal–cortex system in children with aftereffects of birth injuries of the spinal cord] Romanova VM. **Pediatriia** (12):22–4, Dec 75 **(Rus)**

[Disorder and recovery of somatic sensitivity in cats with destruction of the afferent pathways of the spinal cord] Nezlina NI. **Zh Vyssh Nerv Deiat** 25(4):735–43, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Autonomic dysreflexia in patients with spinal cord lesions: complication of voiding cystourethrography and ileal loopography. Barbaric ZL. **Am J Roentgenol** 127(2):293–5, Aug 76

Cervical spine injuries. Diagnosis and classification. Babcock JL. **Arch Surg** 111(6):646–51, Jun 76

Cervical spinal cord injury without evidence of fracture or dislocation. An assessment of the radiological features. Scher AT. **S Afr Med J** 50(25):962–5, 12 Jun 76

[X-ray diagnosis of the birth injuries of the spinal cord] Faisullin MC, et al. **Radiol Diagn (Berl)** 16(5):721–30, 1975 (Eng. Abstr.) **(Ger)**

REHABILITATION

Sex education and counseling program on a spinal cord injury service. Eisenberg MG, et al. **Arch Phys Med Rehabil** 57(3):135–40, Mar 76

Rehabilitation professionals and sexual counseling for spinal cord injured adults. Cole TM, et al. **Arch Sex Behav** 4(6):631–8, Nov 75

Functional potential of patients with spinal cord injury. Garrett AL. **Clin Orthop** (112):60–5, Oct 75

Psychological aspects of treatment and rehabilitation of the spinal cord injured person. Hohmann GW. **Clin Orthop** (112):81–8, Oct 75

The social worker's involvement in the rehabilitation of the spinal cord injured individual. pp. 211–6. Boatwright FW.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Psychosocial aspects of the spinal cord injured: the psychologist's approach. pp. 201–5. Karney RJ.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

The chaplain's ministry to the spinal cord injury patient. pp. 207–10. Klutts B.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. Occupational therapy. pp. 191–3. Lindberg A.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Rehabilitation of the severely disabled. The role of the orthotist. pp. 197–9. Snell RW.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

Physical therapy role in the treatment of spinal cord injuries. pp. 181–5. Starrett M.
In: Jenkins WM, et al., ed. Rehabilitation of the severely disabled. Dubuque, Iowa, Kendall/Hunt, 1976. HD 7256.U5 R347 1974.

An experimental nursing study: a behavior modification approach to nursing therapeutics in body positioning of spinal cord–injured patients. Rottkamp BC. **Nurs Res** 25(3):181–6, May–Jun 76

Multidisciplinary approach to sex education of spinal cord–injured patients. Evans RL, et al. **Phys Ther** 56(5):541–5, May 76

[Rehabilitation measures following cervical spinal cord lesion (author's transl)] Heymans G, et al. **Unfallheilkunde** 79(1):29–35, Jan 76 (Eng. Abstr.) **(Ger)**

[Social results of rehabilitation of patients with lesions of the cervical cord] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 40(6):679–84, 1975 (Eng. Abstr.) **(Pol)**

[Several problems in the rehabilitation of patients with injuries to the lumbosacral portion of the spine and spinal cord] Rabin RF, et al. **Vopr Neirokhir** (5):35–9, Sep–Oct 75 **(Rus)**

SURGERY

Introduction to symposium on cervical spine injuries. Babcock JL. **Arch Surg** 111(6):637, Jun 76

Late instability in cervical spine fractures secondary to laminectomy. Shields CL Jr, et al. **Clin Orthop** (119):144–7, Sep 76

Dynamic spine alloplasty (spring–loading corrective devices) after fracture and spinal cord injury. Weiss M. **Clin Orthop** (112):150–8, Oct 75

Management of cervical spinal cord trauma in Southern California. Heiden JS, et al. **J Neurosurg** 43(6):732–6, Dec 75

Penetrating trauma of colon, cava, and cord. Wilson TH Jr. **J Trauma** 16(5):411–3, May 76

Cutaneous ureteroileostomy in the spinal cord injured patient: a 15–year experience. Koziol I, et al. **J Urol** 114(5):709–11, Nov 75

Spinal cord hypothermia. Neurosurgical management of immediate and delayed post–traumatic neurologic sequelae. Negrin J Jr. **NY State J Med** 75(13):2387–92, Nov 75

The use of halothane anaesthesia to control autonomic hyperreflexia during trans–urethral surgery in spinal cord injury patients. Alderson JD, et al. **Paraplegia** 13(3):183–90, Nov 75

Anaesthesia of the spinal cord–injured patient: cardiovascular problems and their management. Troll GF, et al. **Paraplegia** 13(3):162–71, Nov 75

Microsurgical anterior cervical myelotomy. Wagner FC Jr, et al. **Surg Neurol** 5(4):229–31, Apr 76

THERAPY

Management of acute spine and spinal cord injuries. Old and new concepts. Feuer H. **Arch Surg** 111(6):638–45, Jun 76

A model for the future care of acute spinal cord injuries. Botterell EH, et al. **Can J Neurol Sci** 2(4):361–80, Nov 75

Application of engineering principles in management of spinal cord injured patients. Reswick JB, et al. **Clin Orthop** (112):124–9, Oct 75

Evaluation and early management of the spinal cord injured patient. pp. 81–98. Enis JE.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Letter: Early management of spinal cord trauma. Sussman BJ. **J Neurosurg** 44(6):766–7, Jun 76

Information in the early stages after spinal cord injury. Braakman R, et al. **Paraplegia** 14(1):95–100, May 76

A basic evaluation framework for spinal cord injury care systems. Hamilton BB, et al. **Paraplegia** 14(1):87–94, May 76

Experimental regeneration in peripheral nerves and the spinal cord in laboratory animals exposed to a pulsed electromagnetic field. Wilson DH, et al. **Paraplegia** 14(1):12–20, May 76

Treatment results of spinal cord injuries in the Swiss Parplegic Centre of Basle. Zäch GA, et al. **Paraplegia** 14(1):58–65, May 76

Spinal injuries with paralysis. Bedbrook GM. **Surg Neurol** 5(3):185–6, Mar 76

Local cooling in spinal cord injury. Bricolo A, et al. **Surg Neurol** 6(2):101–6, Aug 76

Editorial: The United States must do better. Bucy PC. **Surg Neurol** 5(3):184, Mar 76

Veterans Administration and spinal cord injury. Bucy PC. **Surg Neurol** 5(3):184, Mar 76

Transcutaneous nerve stimulation for treatment of pain in patients with spinal cord injury. Davis R, et al. **Surg Neurol** 4(1):100–1, Jul 75

Editorial: The neurosurgeon and spinal cord injury. White RJ. **Surg Neurol** (3):190, Sep 76

[Spinal cord injury. Treatment in the immediate post–injury period. Introduction] Dollfus P. **J Urol Nephrol (Paris)** 80(12 pt 2):242–5, Dec 74 **(Fre)**

[Immediate and early treatment of cervical spinal cord lesions (author's transl)] Meinecke FW. **Unfallheilkunde** 79(1):11–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Medical aspects of spinal cord in injuries resulting from traffic accidents] Dollfus E. **Z Gesamte Hyg** 21(9):708–13, Sep 75 (Eng. Abstr.) **(Ger)**

[The therapeutic effect on patients with spinal cord lesions according to urinary drainage methods taken in the acute stage (author's transl)] Namiki T, et al. **Jpn J Urol** 67(1):21–7, Jan 76 (Eng. Abstr.) **(Jpn)**

[Skull traction] Tysvaer A. **Tidsskr Nor Laegeforen** 95(28):1586–7, 1603, 10 Oct 75 (Eng. Abstr.) **(Nor)**

[Prevention of bedsores during treatment of patients with spinal cord injuries] Elizarov VG, et al. **Ortop Travmatol Protez** (9):63–4, Sep 75 **(Rus)**

[Effectiveness of the complex therapy using physical factors of patients with spinal cord injuries] Kalny'sh Iala. **Zh Nevropatol Psikhiatr** 75(9):1324–8, 1975 (Eng. Abstr.) **(Rus)**

URINE

[Urine analysis in patients with traumatic lesions of the spinal cord] Podlaski S. **Pol Przegl Chir** 48(2 A):259–62, Feb 76 **(Pol)**

VETERINARY

Aggressive pharmacologic and surgical treatment of spinal cord injuries in dogs and cats. Mendenhall HV, et al. **J Am Vet Med Assoc** 168(11):1026–31, 1 Jun 76

Functional recovery from spinal cord trauma following normothermic irrigation in dogs. Smith CW, et al. **Res Vet Sci** 19(2):224–6, Sep 75

SPINAL CORD NEOPLASMS

Hemangioblastoma of the spinal cord. Review and report of five cases. Browne TR, et al. **Arch Neurol** 33(6):435–41, Jun 76

Intrarachidian lipomas. Observations on 4 cases and pathogenetic considerations. Scanarini M, et al. **J Neurosurg Sci** 18(2):136–41, Apr–Jun 74

Spinal neurinomas.—a comprehensive clinical and statistical study on 47 cases. Salah S, et al. **Neurochirurgia (Stuttg)** 18(3):77–84, May 75

Spinal tumours–3. Investigation, treatment and prognosis. Schott GD. **Nurs Times** 72(2):57–9, 15 Jan 76

Intraspinal lipoma. A case report. van Dellen JR, et al. **S Afr Med J** 50(2):49–50, 10 Jan 76

[10 cases of giant lumbo–sacral neurinoma] Piera JB, et al. **Ann Med Interne (Paris)** 126(5):316–30, May 75 (Eng.

Abstr.) (Fre)
[Intraspinal meningiomas. A series of 60 cases] Bret P, et al. **Neurochirurgie** 22(1):5–22, 1976 (Eng. Abstr.) (Fre)
[Intraspinal hemangioblastomas] Hurth M. **Neurochirurgie** 21 Suppl 1:1–136, Jun 75 (195 ref.) (Eng. Abstr.) (Fre)
[Numbness of the truncal region and extremities, headache and vomiting: tumor of the cervical cord and spinomedullary syringomyelia] Igata A. **Jpn J Clin Med** Spec No:842–3, 1256–9, 10 Apr 75 (Jpn)
[Transverse spinal symptoms (unsteady gait, paraplegia and urination disorder) and abnormal radiographic presentation of the lung: lung cancer with spinal cord metastasis] Kito S, et al. **Jpn J Clin Med** Spec No:864–5, 1296–7, 10 Apr 75 (Jpn)
[Paraplegia and recto–vesical disorders: metastasis of liver cancer to the spinal cord (case 1) and to the thoracic vertebrae (case 2)] Sato H, et al. **Jpn J Clin Med** Spec No:902–3, 1362–5, 10 Apr 75 (Jpn)
[Klippel–Trenaunay–Parkes–Weber syndrome with spinal cord angioma] Pitagoras de Mattos J. **Arq Neuropsiquiatr** 33(3):278–85, Sep 75 (Eng. Abstr.) (Por)
[Spinal teratoma] Dänäilä L, et al. **Rev Med Intern [Neurol Psihiatr]** 19(4):345–52, Jul–Sep 74 (Eng. Abstr.) (Rum)
[Intraspinal tumors in children. Review of 24 cases] Rueda Franco F, et al. **Bol Med Hosp Infant Mex** 32(6):1073–94, Nov–Dec 75 (Eng. Abstr.) (Spa)
[Lumbosacral chordoma (author's transl)] Jos VL, et al. **Rev Esp Otoneurooftalmol Neurocir** 32(190):263–8, Nov–Dec 74 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

False positive serology in cerebrospinal fluid associated with a spinal cord tumor. Delaney P. **Neurology (Minneap)** 26(6 PT 1):591–3, Jun 76

CHEMICALLY INDUCED

Histopathological studies of the nervous system tumors in rats induced by N–nitroso–methyl–urea. Ishida Y, et al. **Acta Pathol Jpn** 25(4):385–401, Jul 75
The effect of gonadal ablation on transplacentally induced neurogenic tumors in hamsters. Rustia M. **Cancer Res** 36(1):240–5, Jan 76
Transplacental induction of neurogenic tumors in BD IX rats by intragastric administration of ethylnitrosourea precursors. Ramadan MA, et al. **Z Krebsforsch** 84(2):177–87, 27 Oct 75

CLASSIFICATION

Malignant melanoma and the central nervous system. A guide for classification based on the clinical findings. Hayward RD. **J Neurol Neurosurg Psychiatry** 39(6):526–30, Jun 76
Spinal tumours. 1. Classification. Schott GD. **Nurs Times** 71(52):2055–7, 25 Dec 75

COMPLICATIONS

Spinal subarachnoid hemorrhage with schwannoma. Grollmus J. **Acta Neurochir (Wien)** 31(3–4):253–6, 1975
Intramedullary tuberculoma of the spinal cord. Bresnihan ER, et al. **Br Med J** 4(5990):205–6, 25 Oct 75
'Epi–' and intramedullary neurilemmoma of the spinal cord with denervation atrophy in the related skeletal muscles. Schmitt HP. **J Neurol** 209(4):271–8, 1 Aug 75
Metastatic carcinoma in a spinal meningioma. Hockley AD. **J Neurol Neurosurg Psychiatry** 38(7):695–7, Jul 75
Malignant teratoma arising within a lipomeningocele. Case report. Mickle, JP, et al. **J Neurosurg** 43(6):761–3, Dec 75
Atypical hidradenoma arising in a dermoid cyst of the spinal canal. Keogh AJ, et al. **J Pathol** 117(4):207–9, Dec 75
Urological management in onon–traumatic paraplegia: disc protrusions, multiple sclerosis and spinal metastases. Jameson RM. **Paraplegia** 13(4):228–34, Feb 76
[Cauda equina syndrome during retroperitoneal fibrosis: discovery of another coincidental etiology] Schoen E, et al. **Ann Med Interne (Paris)** 126(4):297–302, Apr 75 (Fre)
[Spinal cord compression by tumors: a pediatric emergency] Hütteroth H, et al. **Monatsschr Kinderheilkd** 124(5):466–8, May 76 (Ger)
[The conus–cauda syndrome in occult ependymoma of the filum terminale with hemorrhagic infarction during anticoagulant therapy] Manz F, et al. **Nervenarzt** 47(5):338–9, May 76 (Ger)
[Hydrocephalus and papilledema in caudal tumors] Winkelmann. **Zentralbl Neurochir** 36(2):85–92, 1975 (Eng. Abstr.) (Ger)
[Venous gangrene due to traumatic dislocation of the knee in a patient with ependymoblastoma of the dorsispinal medulla. Description of a case] Vaccaro E, et al. **Minerva Med** 67(21):1371–6, 30 Apr 76 (Ita)
[Primary spinal cord neoplasms—symptomatic analysis of 60 cases with special reference to the correlation between neoplastic sites and neurologic manifestations] Yanagi T, et al. **Clin Neurol (Tokyo)** 15(5):265–72, May 75 (Eng. Abstr.) (Jpn)
[Development of papilledema in cases of tumors of the lower segment of the vertebral canal] Rosset SO. **Neurol Neurochir Pol** 10(4):599–602, Jul–Aug 76 (Eng. Abstr.) (Pol)
[Medullary tumors in children with preexisting massive deformities of the spinal column] Arseni C, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(2):127–32, Apr–Jun 75 (Eng. Abstr.) (Rum)
[Spinal cord compression caused by spinal metastasis] Wilson E, et al. **Acta Neurol Lat Am** 19(1–4):103–11, 1973 (Eng. Abstr.) (Spa)

DIAGNOSIS

Proceedings: Reasons for possible failure to diagnose spinal cord tumors. Nittner K. **Acta Neurochir (Wien)** 31(3–4):293–4, 1975
Glomus jugulare tumor. Disseminated form in the central nervous system. Welsh LW, et al. **Arch Otolaryngol** 102(8):507–10, Aug 76
Quadriplegia following cervical traction in patients with occult epidural prostatic metastasis. LaBan MM, et al. **Arch Phys Med Rehabil** 56(10):455–8, Oct 75
Radioisotope scanning for the spinal cord tumor. Hiratsuka H, et al. **Bull Tokyo Med Dent Univ** 22(2):145–9, Jun 75
Spinal tumours. 2. Symptoms and signs. Schott GD. **Nurs Times** 72(1):21–3, 1–8 Jan 76
[Scintigraphic results obtained in the study of neoplasms of the central nervous system with various radio–compounds] Amici F, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:288–90, 1975 (Fre)
[Intra and parabulbomedullary hemangioblastomas] Montaut J, et al. **Neurochirurgie** 21(7):517–26, Dec 75 (Eng. Abstr.) (Fre)
[Spinal angioma—diagnosis and therapy] **Fortschr Med** 94(5):232–3, 12 Feb 76 (Ger)
[False diagnosis of space occupying lesions as multiple sclerosis (author's trans)] Kahl RI. **J Neurol** 209(2):151–4, 9 Jun 75 (Ger)
[Malignant tumors in the region of the central nervous system] Weidner K. **Z Allgemeinmed** 51(11):522–4, 20 Apr 75 (Ger)
[Meningioma of foramen magnum—report of two dases and review of reference: its clinical manifestations (author's transl)] Fujita K, et al. **Neurol Surg (Tokyo)** 3(9):763–8, Sep 75 (Eng. Abstr.) (Jpn)
[The rapid microscopical diagnosis of brain and spinal cord tumors by cryostat–cut frozen section (author's transl)] Tashiro K, et al. **Neurol Surg (Tokyo)** 3(4):323–7, Apr 75 (Eng. Abstr.) (Jpn)
[Chordoma of the sacrococcygeal portion of the spine] Knysh IT. **Khirurgiia (Mosk)** (9):79–83, Sep 75 (Eng. Abstr.) (Rus)

ETIOLOGY

Lumbar epidermoid cyst following single spinal puncture. Case report. Tabaddor K, et al. **J Bone Joint Surg [Am]** 57(8):1168–9, Dec 75

IMMUNOLOGY

Smooth muscle associated antigen in astrocytes and astrocytomata. Toh BH, et al. **Br J Cancer** 33(2):195–202, Feb 76

MORTALITY

The relative significance of factors affecting postoperative survival in astrocytomas, grades one and two. Weir B, et al. **Can J Neurol Sci** 3(1):47–50, Feb 76

OCCURRENCE

Epidemiology of primary tumours of the brain and spinal cord: a regional survey in southern England. Barker DJ, et al. **J Neurol Neurosurg Psychiatry** 39(3):290–6, Mar 76
Glioblastoma multiforme in children. Dohrmann GJ, et al. **J Neurosurg** 44(4):442–8, Apr 76
Ependymomas and ependymoblastomas in children. Dohrmann GJ, et al. **J Neurosurg** 45(3):273–83, Sep 76
[Epidemiological study of primary tumors of the neuraxis in the Rhone–Alps region. Quantitative data on the etiology and geographical distribution of 1670 tumors] Trouillas P, et al. **Rev Neurol (Paris)** 131(10):691–708, Oct 75 (Eng. Abstr.) (Fre)

PATHOLOGY

Meningeal mycosis fungoides: cytologic and ultrastructural aspects. Gold JH, et al. **Acta Cytol (Baltimore)** 20(4):349–55, Jul–Aug 76
Primary rhabdomyosarcoma of the central nervous system. Pasquier B, et al. **Acta Neuropathol (Berl)** 33(4):333–42, 30 Dec 75
Meningeal carcinomatosis. Gonzalez–Vitale JC, et al. **Cancer** 37(6):2906–11, Jun 76
Involvement of the central nervous system in non–Hodgkin's lymphoma. Law IP, et al. **Cancer** 36(1):225–31, Jul 75
Primary spinal cord tumors—a review of 98 cases. Sanyal S, et al. **Indian J Cancer** 12(4):389–95, Dec 75
Clinical pathological conference aftermath. Schwartz LM. **J Med Soc NJ** 73(4):331–9, Apr 76
Gliomas (astrocytomas) of the brain–stem with spinal intra– and extradural metastases: report of three cases. Kepes JJ, et al. **J Neurol Neurosurg Psychiatry** 39(1):66–76, Jan 76
Intradural lipomas of the spinal cord. A clinicopathological correlation. Ammerman BJ, et al. **J Neurosurg** 44(3):331–6, Mar 76
Melanotic tumours (Blue Naevi) of spinal nerve roots. Graham DI, et al. **J Pathol** 118(2):83–9, Feb 76
Electron–microscopie observations of a human schwannoma in organotypic culture. Lyser KM. **Oncology** 31(3–4):244–53, 1975
Malignant mesothelioma invading the spinal canal. Cooper D. **Postgrad Med J** 50(589):718–23, Nov 74
Diffuse lymphosarcomatous infiltration in the central nervous system. Hansen MM, et al. **Scand J Haematol** 16(1):70–4, Jan 76
[Nodular tumor of the filum terminale: cellular ependymoma] Pasquier B, et al. **Ann Anat Pathol (Paris)** 20(2):191–8, Mar–Apr 75 (Eng. Abstr.) (Fre)
[Autopsy study of teratoma of the spinal cord] Kajita A, et al. **Jpn J Clin Med** 33(7):2417–9, 10 Jul 75 (Jpn)
[The fine structure of epithelial cyst in the central nervous system (author's transl)] Hirano A, et al. **Neurol Surg (Tokyo)** 3(8):639–46, Aug 75 (Eng. Abstr.) (Jpn)
[Metastatic carcinoma involving the cauda equina] Coutinho LM, et al. **Arq Neuropsiquiatr** 34(3):288–92, Sep 76 (Eng. Abstr.) (Por)
[The clinical picture of spinal cord tumors with different histostructures in children] Zemskaia AG, et al. **Vopr Neirokhir** (5):28–32, Sep–Oct 75 (Rus)
[Primary multiple sarcoma of the brain and spinal cord] Godlevskaia MA, et al. **Zh Nevropatol Psikhiatr** 75(4):493–6, 1975 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Topographic blood flow in experimental nervous system tumors and surrounding tissues. Allen N, et al. **Trans Am Neurol Assoc** 100:157–9, 1975

RADIOGRAPHY

Myelography in metastatic lesions. Hatam A, et al. **Acta Radiol [Diagn] (Stockh)** 16(4):321–30, Jul 75
Schwannomas of the central nervous system. Danziger J, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):692–701, Nov 75
Rapid arteriovenous shunting in a spinal cord ependymoma. Case report. Yuhl ET, et al. **J Neurosurg** 44(6):744–7, Jun 76
Multiple meningiomas. Two patients with a spinal and an intracranial meningioma. Radiological diagnosis. Distelmaier P, et al. **Neurochirurgia (Stuttg)** 19(3):114–7, May 76
Neuroradiology and pediatric oncology. Harwood–Nash DC. **Pediatr Clin North Am** 23(1):29–39, Feb 76
Myelography in patients with medulloblastoma. Deutsch M, et al. **Radiology** 117(2):467–8, Nov 75
Myelography in the evaluation of paravertebral mass lesions in infants and children. Kirks DR, et al. **Radiology** 119(3):603–8, Jun 76
Metastases to the medulla of the spinal cord: myelographic features. Puljic S, et al. **Radiology** 117(1):89–91, Oct 75
Percutaneous spinal cord puncture and myelocystography. Its role in the diagnosis and treatment of intramedullary neoplasms. Quencer RM, et al. **Radiology** 118(3):637–44, Mar 76
Lipomata of the central nervous system. Faerber EN, et al. **S Afr Med J** 50(17):665–70, 17 Apr 76
[Haemangioblastomatosis illustrated by three cases (author's transl)] Debrun G, et al. **Ann Radiol (Paris)** 18(5):587–92, Jul 75 (Eng. Abstr.) (Fre)
[Intradurography as a factor in the diagnosis of metastasis to the cauda equina from visceral neoplasms] Montrieul B, et al. **Neurochirurgie** 20(5):458–61, Sep–Oct 74 (Fre)
[Selective spinal angiography in the diagnosis of space–occupying lesions (author's transl)] Bradac GB, et al. **Neurochirurgia (Stuttg)** 19(2):69–72, Mar 76 (Ger)

RADIOTHERAPY

Role of radiation therapy in the management of neoplasms of the central nervous system. Mayer EG, et al. **Adv Neurol** 15:201–20, 1976 (107 ref.)
Megavoltage irradiation in the treatment of gliomas of the brain and spinal cord. Marsa GW, et al. **Cancer** 36(5):1681–9, Nov 75
Intrathecal radiogold for medulloblastoma and ependymoblastoma: survival rate and complications. pp. 83–8. D'Angio GJ, et al. **In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan–Kettering Cancer Center, 1975. W3 IN922RH 1975a.**
[Indications for radiotherapy in intracranial and intraspinal tumors in adults (Except pituitary tumors)] Constans JP, et al. **Neurochirurgie** 21 Suppl 2:1–255, Jun 75 (953 ref.) (Fre)

SURGERY

Surgical management of multiple neuraxial ependymomas. Case report. Cameron MM. **Eur Neurol** 14(5):365–69, 1976
Reversal of dementia in normotensive hydrocephalus after removal of a cauda equina tumor. Case report. Bamford CR, et al. **J Neurosurg** 45(1):104–7, Jul 76
A huge intramedullary spinal cord ependymoma with complete recovery following total excision. Tsuji H, et al. **Neurol Surg (Tokyo)** 3(1):75–9, Jan 75
The microsurgical removal of intramedullary spinal hemangioblastomas. Report of twelve cases and a review of the literature. Yasargil MG, et al. **Surg Neurol** (3):141–8, Sep 76
[Cancer metastases in the vertebral column. Effect of operation in medullary compression] Andersen EB. **Ugeskr Laeger** 137(39):2251–6, 22 Sept 75 (Eng. Abstr.)

(Dan)
[Posterior osteosynthesis in the treatment of spinal cord tumors] Brunon J, et al. **Neurochirurgie** 21(6):435–46, Nov 75 (Eng. Abstr.) (Fre)
[Pan-spinal ependymoma. Apropos of 2 cases with complete exeresis] Fischer G, et al. **Neurochirurgie** 21(1):5–20, Jan–Feb 75 (Eng. Abstr.) (Fre)
[Microsurgical experiments in 12 cases of intramedullary hemangioblastomas] Yasargil MG, et al. **Neurochirurgie** 21(6):425–34, Nov 75 (Eng. Abstr.) (Fre)
[2 cases of intradural meningioma] Scalise L, et al. **Clin Ortop** 24(3):187–93, Jul–Sep 73 (Eng. Abstr.) (Ita)
[Angioma of the spinal cord–surgical technique (author's transl)] Saito I. **Neurol Surg (Tokyo)** 3(5):375–80, May 75 (Jpn)
[Spinal cord tumor of children—a cured case of infantile spinal cord tumor and review of domestic literature (author's transl)] Ueda S, et al. **Neurol Surg (Tokyo)** 3(6):501–7, Jun 75 (Eng. Abstr.) (Jpn)
[Melanoma of the spinal cord in pregnancy (author's transl)] Yamamoto M, et al. **Neurol Surg (Tokyo)** 3(5):415–22, May 75 (Eng. Abstr.) (Jpn)

THERAPY

The biology of childhood ependymomas. Shuman RM, et al. **Arch Neurol** 32(11):731–9, Nov 75
Transfemoral selective embolisation in the treatment of some cranial and vertebro-spinal vascular malformations and tumours. Preliminary results. Benati A, et al. **J Neurosurg Sci** 18(4):233–8, Oct–Dec 74
Embolization of angiomas of the spinal cord. Djindjian R. **Surg Neurol** 4(5):411–20, Nov 75
[Treatment by embolization of vascular malformations and tumors of the central nervous system and in ORL] Djindjian R, et al. **Sem Hop Ther** 51(2):119–20, Feb 75 (Fre)

VETERINARY

Paraganglioma involving the spinal cord of a dog. Lewis JC, et al. **J Am Vet Med Assoc** 168(9):864–5, 1 May 76
Spinal ganglioneuroma in a steer. Cimprich R, et al. **Vet Pathol** 12(1):59–60, 1975
Neoplasms of mesenchymal origin in the spinal cord and nerve roots of three dogs. Vandevelde M, et al. **Vet Pathol** 13(1):47–58, 1976
[What is your diagnosis? Spinal cord tumor causing hindlimb paralysis] Janssen R, et al. **Tijdschr Diergeneeskd** 100(22):1215–6, 15 Nov 75 (Dut)

SPINAL CORD SYPHILIS see **TABES DORSALIS**

SPINAL DISEASES

Proceedings: Aneurysmal bone cysts of the spine. Ameli NO, et al. **Acta Neurochir (Wien)** 31(3–4):273, 1975
An unusual case of histiocytosis X in the spine. Poulsen JO, et al. **Acta Orthop Scand** 47(1):59–62, Feb 76
Brucellosis of the spine. Glasgow MM. **Br J Surg** 63(4):283–8, Apr 76
The narrow lumbar spinal canal or lumbar spinal stenosis McKinley LM, et al. **Clin Orthop** (114):319–25, Jan–Feb 76
Vertebral body osteomyelitis: spectrum and natural history. A retrospective analysis of 37 cases. Ross PM, et al. **Clin Orthop** (118):190–8, Jul–Aug 76
A case of camptocormia occurring in psychotherapy. Ballenger JC. **J Nerv Ment Dis** 162(4):291–4, Apr 76
Vertebral echinococcosis. Carta F, et al. **J Neurosurg Sci** 18(4):228–32, Oct–Dec 74
A neurosurgeon looks at spinal conditions. Schaeffer H. **Med J Aust** 1(9):267–9, 28 Feb 76
Pyogenic vertebral osteomyelitis. Stauffer RN. **Orthop Clin North Am** 6(4):1015–27, Oct 75
Aneurysmal bone cyst of the spine. Two cases. Lipper MH. **S Afr Med J** 49(34):1409–10, 9 Aug 75
[Bone echinococcosis. Apropos of a case of hydatid cyst of the spine] Psomopoulos N, et al. **J Chir (Paris)** 111(2):207–10, Feb 76 (Fre)
[The tragicomedy of deformities and degenerative lesions of the locomotor system (author's transl)] Geiser M. **Praxis** 64(13):400–4, 1 Apr 75 (Eng. Abstr.) (Ger)
[Nature, clinic and significance of spondylogenic reflex syndrome (author's transl)] Sutter M. **Praxis** 64(42):1351–7, 21 Oct 75 (Eng. Abstr.) (Ger)
[The spine and horseback riding] Hördegen KM. **Schweiz Med Wochenschr** 105(21):668–75, 24 May 75 (Eng. Abstr.) (Ger)
[Paramorphisms] Stolfi P. **Minerva Med** 66(62):3156–7, 22 Sep 75 (Ita)
[Lumbar vertebral disk diseases in children and young people] Arseni C, et al. **Rev Med Intern [Neurol Psihiatr]** 19(5):385–8, Oct–Dec 74 (Eng. Abstr.) (Rum)

CHEMICALLY INDUCED

[Symptom of crepitant shoulder girdle in steroid induced spondylopathy] Shul'tsev GP. **Klin Med (Mosk)** 52(3):135, Mar 74 (Rus)

CLASSIFICATION

Classification of cervical spondylosis or disc protrusion by preoperative evoked spinal electrogram. Follow-up study. Matsukado Y, et al. **J Neurosurg** 44(4):435–41, Apr 76
[Pathobiological classification of experimental cerebrospinal edema. Comprehensive review] Němeček S, et al. **Cesk Neurol Neurochir** 39(3):166–73, May 76 (Eng. Abstr.) (Cze)

COMPLICATIONS

Tabetic lumbar osteoarthropathy with cauda equina syndrome. Case report. Cantore GP, et al. **Acta Neurochir (Wien)** 33(1–2):107–12, 1976
Cervical spondylotic radiculopathy and myelopathy. A long-term follow-up study. Gregorius FK, et al. **Arch Neurol** 33(9):618–25, Sep 76
Carpal tunnel syndrome, humeral epicondylitis, and the cervical spine: a study of clinical and dimensional relations. Murray-Leslie CF, et al. **Br Med J** 1(6023):1439–42, 12 Jun 76
Lumbar spondylosis and neuropathic bladder: investigation of 73 patients with chronic urinary symptoms. Sharr MM, et al. **Br Med J** 1(6011):695–7, 20 Mar 76
Acute back pain associated with a calcified Schmorl's node: a case report. Smith DM. **Clin Orthop** (117):193–6, Jun 76
Neurological disorders associated with skeletal changes. pp. 33–50. Ehni G.
In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974.
Letter: Reflex sympathetic dystrophy syndrome. Bourdillon JF. **Lancet** 2(7979):257, 31 Jul 76
Adhesive lesions of the nerve root in the dural orifice as a cause of sciatica. Lerman VI, et al. **Surg Neurol** 4(2):229–32, Aug 75
[Lumbar spine abnormalities and their clinical significance] Nummi J. **Duodecim** 91(14–15):888–92, 1975 (Eng. Abstr.) (Fin)
[Spinal cord compression caused by spinal aneurysmal bone cyst (author's transl)] Steimlé R, et al. **Acta Neurochir (Wien)** 32(3–4):287–96, 1975 (Eng. Abstr.) (Fre)
[Treatment of radiculo-spinal complications of cervic arthrosis with Cloward's method. Results concerning 370 patients] Jomin J, et al. **Neurochirurgie** 21(1):21–8, Jan–Feb 75 (Eng. Abstr.) (Fre)
[Effect of a degenerative precondition on spinal injuries involving soft tissue] Hinz P. **Hefte Unfallheilkd** (121):127–30, 1975 (Ger)
[Socio-medical significance of the spinal syndrome and soft tissue rheumatism] Ebersbach W. **Hippokrates** 47(3):287–98, Aug 76 (Ger)
[Spinal complaints of hyperuricemic patients] Bogner G, et al. **Munch Med Wochenschr** 118(4):103–4, 23 Jan 76 (Ger)
[The biomechanical pathogenesis and differentiated therapy of cervical headache (author's transl)] Gutmann G. **Munch Med Wochenschr** 117(49):1949–50, 5 Dec 75 (Ger)
[The cervical vertebral column as a cause of headache] Tilscher H, et al. **Munch Med Wochenschr** 117(49):1947–8, 5 Dec 75 (Ger)
[Congenital, acquired and iatrogenic stenoses of the lumbosacral spinal canal and neurogenic intermittent claudication] Arct WA. **Z Orthop** 113(4):792–4, Aug 75 (Ger)
[Lumbar radicular syndromes in stenosis of the vertebral canal (Epstein's syndrome). Clinical, diagnostic and therapeutic aspects] San Martino A. **Chir Organi Mov** 62(3):273–88, 1975 (Eng. Abstr.) (Ita)
[Headache caused by cervical arthrosis. Physiopathogenetic interpretation of the pain syndrome] Galletti R, et al. **Reumatismo** 26(4):201–22, Oct–Dec 74 (Eng. Abstr.) (Ita)
[Nervous system lesion in climacteric spondylopathy] Altukhova AI, et al. **Klin Med (Mosk)** 53(9):69–75, Sep 75 (Eng. Abstr.) (Rus)
[Vertebrogenic lumbosacral radiculitis unrelated to disk herniation] Rutenburg MD. **Vopr Neirokhir** (3):45–9, May–Jun 75 (Rus)
[Vertebrogenic diseases of the peripheral nervous system (prospects for their study and several disputable problems)] Antonov IP. **Zh Nevropatol Psikhiatr** 76(6):808–14, 1976 (Eng. Abstr.) (Rus)
[Clinical signs of osteochondrosis of the cervical portion of the spine in patients with otosclerosis] Ermilova VI. **Zh Ushn Nos Gorl Bolezn** (2):9–12, Mar–Apr 76 (Eng. Abstr.) (Rus)

CONGENITAL

[A case of congenital extradural cyst in the vertebral canal] Paramonov LV, et al. **Vopr Neirokhir** (1):54–8, Jan–Feb 76 (Rus)

DIAGNOSIS

Vertebral osteomyelitis. Still a diagnostic pitfall. Musher DM, et al. **Arch Intern Med** 136(1):105–10, Jan 76
Low back pain syndromes due to spinal stenosis and posterior cauda equina compression. Brodsky AE. **Bull Hosp Joint Dis** 36(1):66–79, Apr 75
Thermography in low back diseases. pp. 158–66. Raskin MM.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.
Proceedings: Correlation of somatic dysfunction with visceral disease. Nicholas NS. **J Am Osteopath Assoc** 75(4):425–8, Dec 75
Vertebral hydatid disease. Clinical experience with 27 cases. Apt WL, et al. **J Neurosurg** 44(1):72–6, Jan 76
Cervical analgesic discography. A new test for the definitive diagnosis of the painful-disk syndrome. Roth DA. **JAMA** 235(16):1713–4, 19 Apr 76
Spinal epidural hematoma. Scott BB, et al. **JAMA** 235(5):513–5, 2 Feb 76
Uses of the electrical skin resistance method in the study of patients with neck and upper extremity pain. Riley LH Jr, et al. **Johns Hopkins Med J** 137(2):69–74, Aug 75
Blastomycosis of the cervical spine. Titrud LA. **Minn Med** 58(10):729–32, Oct 75
[Pseudo-Pott spondylodiscitis during ankylosing spondylarthritis] Doury P, et al. **Ann Med Interne (Paris)** 126(8–9):697–701, Aug–Sep 75 (Fre)
[Stenosis of the cervical spinal canal: acquired? congenital] Lièvre JA, et al. **Rev Rhum Mal Osteoartic** 42(6):377–81, Jun 75 (Eng. Abstr.) (Fre)
[C. Expert testimony on the ability to attend school and on the fitness for sports. Fitness for sports in orthopedic diseases and in changes of the spinal region] Schmidt H. **Beitr Orthop Traumatol** 22(2):123–8, Feb 75 (Ger)
[Echinococcus cysticus of the lumbosacral transitional area with para- and intravertebral localization] Elies W, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):187–8, Feb 76 (Ger)
[Clinical aspects, diagnosis and differential diagnosis of degenerative-rheumatic spinal diseases] pp. 52–74. Günther R.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. (Ger)
[Postural disorders of the spine] pp. 11–23. Neugebauer H.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. (Ger)
[Spine examinations in juvenile gymnasts] Meyer E. **Schweiz Z Sportmed** 23(4):189–93, 1975 (Eng. Abstr.) (Ger)
[A contribution to the origin of lordotic curved back through persisting abdominal breathing (pBA) (author's transl)] Kügelgen HV. **Z Orthop** 114(2):247–52, Apr 76 (Eng. Abstr.) (Ger)

DRUG THERAPY

The favourable effect of adding a catalase to the treatment of syndromes due to intervertebral disc degenerations. Put TR. **Arzneim Forsch** 25(6):951–6, Jun 75
Improvement in paraplegia in vertebral Paget's disease treated with calcitonin. Melick RA, et al. **Br Med J** 1(6010):627–8, 13Mar 76
[Pharmacological therapy, injections and infiltrations in degener degenerative diseases of the spine] pp. 117–34. Siegmeth W, et al.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. (Ger)
[The treatment of vertebral syndromes with nova-lyseen (author's transl)] Müller P, et al. **Praxis** 64(44):1423–4, 4 Nov 75 (Ger)

ETIOLOGY

Paravertebral ossification in psoriasis and Reiter's disease. Sundaram M, et al. **Br J Radiol** 48(572):628–33, Aug 75
The facet joints: another look. Maslow GS, et al. **Bull NY Acad Med** 51(11):1294–1311, Dec 75
Spinal deformity associated with heritable neurological conditions: spinal muscular atrophy, Friedreich's ataxia, familial dysautonomia, and Charcot-Marie-Tooth disease. Hensinger RN, et al. **J Bone Joint Surg [Am]** 58(1):13–24, Jan 76
The patterns of spinal deformity in Duchenne muscular dystrophy. Wilkins KE, et al. **J Bone Joint Surg [Am]** 58(1):24–32, Jan 76
Pyogenic vertebral osteomyelitis. Ginder DR. **J Maine Med Assoc** 67(2):40–1, 51, Feb 76
Neurologic complications of rheumatoid arthritis. Nakano KK. **Orthop Clin North Am** 6(3):861–80, Jul 75 (43 ref.)
[Functional disorders of the spine and reflex changes in peptic ulcer of adolescents] Rychlíková E, et al. **Vnitr Lek** 22(4):326–35, Apr 76 (Eng. Abstr.) (Cze)
[Spondylodiscitis during septicemia caused by Candida albicans] Riffat G, et al. **Ann Anesthesiol Fr** 15(3):223–6, 1974 (Eng. Abstr.) (Fre)
[The polyalgic adaptation syndrome defined in 1961. Association with other rheumatic manifestations. Diagnostic and therapeutic errors] Douin J. **J Belge Rhumatol Med Phys** 30(1):56–63, Jan–Feb 75 (Fre)
[Occupational osteopathy of rug weavers. Apropos of 64 cases] Chahidi H. **J Chir (Paris)** 109(5–6):633–8, May–Jun 75 (Eng. Abstr.) (Fre)
[Acquired vertebral block with bone demineralization during Paget's disease] Bisson M, et al. **Rev Rhum Mal Osteoartic** 42(10):613–7, Oct 75 (Eng. Abstr.) (Fre)
[Paget's disease and vertebral blocks (apropos of 7 cases)] Rondier J, et al. **Rev Rhum Mal Osteoartic** 42(10):601–12, Oct 75 (Eng. Abstr.) (Fre)
[Teritary frambesia: skeletal manifestation in the spine andribs] Ramin Dv. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):185–7, Aug

76 (Ger)
[The basic principles of manual medicine (author's transl)] Caviezel H. **Praxis** 64(42):1342–5, 21 Oct 75 (68 ref.) (Ger)
[The pathogenesis of the spondylogenic reflex-syndrome (author's transl)] Waller U. **Praxis** 64(42):1346–50, 21 Oct 75 (Eng. Abstr.) (Ger)
[Letter: Trampoline jumping] Volkert R. **Z Allgemeinmed** 51(31):1440, 10 Nov 75 (Ger)
[The importance of occupational strain in the development of degenerative changes in the spine] Mach J, et al. **Z Gesamte Hyg** 22(5):352–4, May 76 (Ger)
[The significance of various vertebragenic disorders from the viewpoint of industrial medicine and orthopedics] Mühlbach R. **Z Gesamte Hyg** 22(5):354–9, May 76 (Eng. Abstr.) (Ger)
[Work-related spinal damage in jet pilots due to extreme acceleration] Baumann F, et al. **Z Orthop** 113(4):645–8, Aug 75 (Ger)
[Work-related lesions of the spine] Matthiass HH. **Z Orthop** 113(4):641–4, Aug 75 (Ger)
[Psychodynamic factors in disk irritations] Curt Fleck H. **Z Psychosom Med Psychoanal** 21(2):118–28, Apr–Jun 75 (Eng. Abstr.) (Ger)
[Fibrocartilaginous embolia of the spinal cord – a rare cause of myelomalacia (author's transl)] Roitzsch E. **Zentralbl Allg Pathol** 119(1–2):100–3, 1975 (Ger)
[Spinal osteomyelitis after lumbar sympathetic trunk blockade] Hölzl HR, et al. **Zentralbl Chir** 101(13):807–9, 1976 (Ger)

FAMILIAL & GENETIC

Chondrodysplasia spondylometaphysealis. Kozlowski KS. **Birth Defects** 11(6):183, 1975
A family of juvenile proximal spinal muscular atrophy with dominant inheritance. Cao A, et al. **J Med Genet** 13(2):131–5, Apr 76
[Pure spondylar dysplasia or brachyolmy. Apropos of a case] Fontaine G, et al. **Arch Fr Pediatr** 32(8):695–708, Oct 75 (Eng. Abstr.) (Fre)

PATHOLOGY

Letter: Redundant nerve roots. Moiel RH. **Surg Neurol** 4(1):22, Jul 75
Extradural extrusion of roots of the cauda equina. Varughese G. **Surg Neurol** 5(3):161–3, Mar 76
[Pathological-anatomical overview of spinal diseases] pp. 6–10. Propst A.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. (Ger)
[Dehiscence and schisis of the posteriol wall of the sacral canal] Jovanović S, et al. **Glas Srp Akad Nauka [Med]** (26):5–16, 1975 (Ser)

PHYSIOPATHOLOGY

[Normal and morbid aging of the spine. Comprehensive review] Kaiser G. **Beitr Orthop Traumatol** 22(10):546–59, Oct 75 (44 ref.) (Ger)
[Dynamics of neurovascular and neuromuscular processes and electrolyte metabolism in spinal osteochondrosis with spinal root syndrome under the effect of physical factors] Chilingarian RA, et al. **Zh Eksp Klin Med** 15(3):85–92, 1975 (Rus)
[Asymetry and statodynamic function of the spine] Durianová J, et al. **Fysiatr Reumatol Vestn** 54(1):20–3, Feb 76 (Slo)

PREVENTION & CONTROL

Letter: The benefits of exercise. Aitchison WR. **NZ Med J** 82(549):246–7, 8 Oct 75
[Prevention of the postural disorders in juveniles] Neugebauer H. **ZFA** 52(3):135–7, 31 Jan 76 (Ger)

RADIOGRAPHY

Proceedings: Roentgen signs of vertebral demineralization and mineral content of peripheral cancellous bone. Banzer DH, et al. **Am J Roentgenol** 126(6):1306–8, Jun 76
Calcified nucleus pulposus visualizing disk rupture in plain roentgenogram. Walk L.
Fortschr Geb Roentgenstr Nuklearmed 124(1):89–90, Jan 76
Multiple vacuum discs, and early sign of ochronosis. Radiologic findings in two brothers. Deeb Z, et al. **J Rheumatol** 3(1):82–7, Mar 76
Spondyloenchondrodysplasia. Enchondromatomosis with severe platyspondyly in two brothers. Schorr S, et al. **Radiology** 118(1):133–9, Jan 76
Cervicovertebral phlebography: pathological results. Théron J. **Radiology** 118(1):73–81, Jan 76
[Case report of Calvé disease(author's transl)] Marti T. **Praxis** 64(36):1142–4, 9 Sep 75 (Eng. Abstr.) (Fre)
[Extensive bony condensation of the vertebrae in intervertebral disc degeneration. (Study of 25 cases)] Glimet T, et al. **Sem Hop Paris** 51(18):1199–1203, 14 Apr 75 (Eng. Abstr.) (Fre)
[Functional roentgen diagnosis of the cervical spine, with special reference to childhood] Markuske H. **Beitr Orthop Traumatol** 22(12):671–4, Dec 75 (Ger)
[Value of contrast media diagnosis in the evaluation of distortions of degeneratively altered cerebral spines] Bergk KH, et al. **Hefte Unfallheilkd** (121):277–9, 1975 (Ger)
[Standard diagnosis of the spine with special regard to neuroradiological viewpoint] Busse O. **Roentgenpraxis** 28(12):281–90, Dec 75 (Ger)
[Fibrous dysplasia of the spine] Ioffe AZ. **Vestn Rentgenol Radiol** (3):13–20, May–Jun 75 (Eng. Abstr.) (Rus)
[Differential x-ray diagnosis of spinal osteoporosis] Shotemor ShS. **Vestn Rentgenol Radiol** (6):79–88, Nov–Dec 75 (Eng. Abstr.) (Rus)

REHABILITATION

[Assessment of functional capacity in accident sequelae and in diseases of the posture- and locomotion apparatus] Weickert H. **Z Aerztl Fortbild (Jena)** 70(8):434–6, 15 Apr 76 (Ger)

SURGERY

Oblique muscle splitting incision for cervical laminotomy. Banerjee T, et al. **Am Surg** 42(5):326–9, May 76
The orthopaedic aspects of spinal muscular atrophy. Schwentker EP, et al. **J Bone Joint Surg [Am]** 58(1):32–8, Jan 76 (16 ref.)
Lumbo-sacral fusion with spring fixation. Attenborough CG, et al. **J Bone Joint Surg [Br]** 57(3):283–8, Aug 75
Observations on the management of failed spinal operations. Crock HV. **J Bone Joint Surg [Br]** 58(2):193–9, May 76
Neurosurgery in the older patient. Stewart I, et al. **Postgrad Med J** 51(597):453–6, Jul 75
The surgery of lumbar disc degeneration. Macnab I. **Surg Annu** 8:447–80, 1976
[Surgical treatment of degenerative changes in the cervical vertebrae] Sik J, et al. **Orv Hetil** 117(24):1466–70, 13 Jun 76 (Hun)

THERAPY

Letter: Trial by traction. Cyriax J. **Br Med J** 1(6008):522–3, 28 Feb 76
Non-surgical treatment of cervical spondylosis. Pumpruegsa R, et al. **J Med Assoc Thai** 59(2):58–60, Feb 76
The lumbar disc. Marshall LL. **Med J Aust** 2(1):10–2, 5 Jul 75
Conservative treatment of intervertebral disc lesions and 'whiplash' injuries. Marshall LL. **Med J Aust** 2(1):30–1, 5 Jul 75
Letter: A neurosurgeon looks at spinal conditions. Marshall LL. **Med J Aust** 1(18):676–7, 1 May 76
Congress lecture: manipulation. Grieve GP. **Physiotherapy** 61(1):11–8, Jan 75
[Conservative therapy of lumbar intervertebral disk lesions] Arns W, et al. **Dtsch Med Wochenschr** 101(15):587–8, 9 Apr 76 (Ger)
[Treatment of destruction of the vertebrae] pp. 108–17. Bauer R.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. (Ger)
[Physical therapy in degenerative diseases of the spine] pp. 135–44. Kaganas G.
In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974. (Ger)
[Manual treatment of the spine in local and general relaxation] Bäker BA. **Med Welt** 27(8):370–1, 20 Feb 76 (Ger)
[Manual treatment of the spine] Schönberger M, et al. **Med Welt** 27(32):1513, 6 Aug 76 (Ger)
[The spine and horseback riding] Hördegen KM. **Schweiz Z Sportmed** 23(1):29–43, 1975 (Eng. Abstr.) (Ger)
[Radiographic study of the elongation of the cervical spine on traction] Taliberti R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):499–502, Nov–Dec 75 (Eng. Abstr.) (Por)
[Method of treatment of osteochondrosis and spondyloarthrosis at the Liuben Velikil health resort] Ozerov AKh, et al. **Ortop Travmatol Protez** (8):6–9, Aug 75 (Eng. Abstr.) (Rus)
[Samples of traction harnesses for therapeutic spinal traction] Kunichev LA. **Voen Med Zh** (3):70–1, Mar 76 (Rus)
[Traction treatment of the cervical spine] Porshage PG, et al. **Lakartidningen** 73(12):1091–2, 17 Mar 76 (Eng. Abstr.) (Swe)

VETERINARY

Vertebral damage in fish induced by pollutants. pp. 23–30. Bengtsson BE.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (40 ref.)
A pathological dolphin. Wells C, et al. **Med Biol Illus** 26(1):35–7, Feb 76
[Vertebral instability in a young Great Dane] Lesage J. **Can Vet J** 16(8):238–41, Aug 75 (Eng. Abstr.) (Fre)
[Supplement to the contribution of K. H. Unger: Spinal malformations in pikes (Esox lucius L.)] Reichenbach-Klinke HH. **Tieraerztl Prax** 3(2):249–51, 1975 (Ger)

SPINAL FUSION

see related

LAMINECTOMY

Kinematic analysis of posterior spinal fusions in pigs. Olsson TH, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):369–84, May 76
Complete spondylolisthesis in an infant. Treatment with decompression and fusion. Finnegan WJ, et al. **Am J Dis Child** 129(8):967–9, Aug 75
Anterior approach to the thoracolumbar spine: technical considerations. Burrington JD, et al. **Arch Surg** 111(4):456–63, Apr 76
A roentgenographic evaluation of frozen allografts versus autografts in anterior cervical spine fusions. intervertebral disk/surg, et al. **Clin Orthop** (119):231–6, Sep 76
Early ambulation following spinal fusion and Harrington instrumentation in idiopathic scoliosis. Mir SR, et al. **Clin Orthop** (110):54–62, Jul–Aug 75
Scoliosis treated by cast correction and spine fusion. Risser JC. **Clin Orthop** (116):86–94, May 76
Experimental spinal fusion in guinea pigs and dogs: the effect of immobilization. Thomas I, et al. **Clin Orthop** (112):363–75, Oct 75
Kinematic analysis of spinal fusions. Olsson TH, et al. **Invest Radiol** 11(3):202–9, May–Jun 76
Anterior cervical interbody fusion: Long-term follow-up of 48 patients. Wiersma JA. **J Am Osteopath Assoc** 75(6):564–8, Feb 76
The postoperative management of scoliosis patients treated with Harrington instrumentation and fusion. Erwin WD, et al. **J Bone Joint Surg [Am]** 58(4):479–82, Jun 76
Spine fusion for atlanto-axial instability. Fielding JW, et al. **J Bone Joint Surg [Am]** 58(3):400–7, Apr 76
Results of Harrington instrumentation and fusion in the adult idiopathic scoliosis patient. Ponder RC, et al. **J Bone Joint Surg [Am]** 57(6):797–801, Sep 75
Spinal fusion with free periosteal grafts and its effect on vertebral growth in yound rabbits. Ritsilä V, et al. **J Bone Joint Surg [Br]** 57(4):500–5, Nov 75
Intraosseous neurilemmoma of the cervical spine causing paraparesis and treated by resection and grafting. Polkey CE. **J Neurol Neurosurg Psychiatry** 38(8):776–81, Aug 75
The multiply operated back: fusion of the posterolateral spine with and without nerve root compression. Saunders EA, et al. **South Med J** 69(7):868–71, Jul 76
Anterior cervical fusion using preserved bone allografts. Schneider JR, et al. **Transplant Proc** 8(2 Suppl 1):73–6, Jun 76
[Kyphotic paraplegia treated by antero-lateral transthoracic decompression and double autograft] Papo I, et al. **Neurochirurgie** 21(3):247–52, May–June 75 (Eng. Abstr.) (Fre)
[Anterior cervical intervertebral disk operation without secondary fusion. Clinical and experimental studies] Sunder-Plassmann M. **Fortschr Med** 94(16):322–6, 19 Feb 76 (Eng. Abstr.) (Ger)
[Causes of failures of posterior spondylodesis in scoliosis in children] Prokhorova AG. **Ortop Travmatol Protez** (11):39–45, Nov 75 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Intraoperative awakening for early recognition of possible neurologic sequelae during Harrington-rod spinal fusion. Sudhir KG, et al. **Anesth Analg (Cleve)** 55(4):526–8, Jul–Aug 76
Post-laminectomy and post-fusion stenosis of the lumbar spine. Brodsky AE. **Clin Orthop** (115):130–9, Mar–Apr 76
Spinal cord injury as a complication of elective anterior cervical fusion. Kraus DR, et al. **Clin Orthop** (112):130–41, Oct 75
Spondylolisthesis following surgical fusion for scoliosis: a case report. Tietjen R, et al. **Clin Orthop** (117):176–8, Jun 76
Progressive kyphosis following solid anterior spine fusion in children with tuberculosis of the spine. A long-term study. Fountain SS, et al. **J Bone Joint Surg [Am]** 57(8):1104–7, Dec 75
Pseudoarthrosis after spinal fusion for scoliosis. McMaster MJ, et al. **J Bone Joint Surg [Br]** 58(3):305–12, Aug 76
[Stenosis of the spinal canal after spondylodesis (iatrogenic stenosis of the spinal canal) (author's transl)] Arct WA. **Arch Orthop Unfallchir** 83(3):353–64, 22 Dec 75 (Eng. Abstr.) (Ger)
The neurological risk of Harrington procedures (author's transl)] Zielke K, et al. **Arch Orthop Unfallchir** 83(3):311–22, 22 Dec 75 (Eng. Abstr.) (Ger)

INSTRUMENTATION

[Evaluation of Harrington's rods after removal from the area of spine fusion] Bącal K, et al. **Chir Narzadow Ruchu Ortop Pol** 41(1):37–45, 1976 (Eng. Abstr.) (Pol)
[Technic of the removal of Harrington's rods] Wierusz L. **Chir Narzadow Ruchu Ortop Pol** 41(1):43–5, 1976 (Eng. Abstr.) (Pol)

METHODS

Metal plate fixation after anterior fusion of unstable fracture dislocations of the cervical spine. Herrmann HD. **Acta Neurochir (Wien)** 32(1–2):101–11, 1975
Letter: A combined approach for disk removal and bilateral-lateral fusion. Fielding JW. **Clin Orthop** (110):332–3, Jul–Aug 75
Repair of the spondylolisthetic defect and intertransverse fusion for young patients. Nachemson A. **Clin Orthop** (117):101–5, Jun 76
Combined staged anterior and posterior correction and fusion of the spine in scoliosis following poliomyelitis. O'Brien JP, et al. **Clin Orthop** (110):81–9, Jul–Aug 75
Lumbo-sacral fusion with spring fixation. Attenborough CG,

et al. **J Bone Joint Surg [Br]** 57(3):283–8, Aug 75

Posterior cervical fusion in chidren. McWhorter JM, et al. **J Neurosurg** 45(2):211–5, Aug 76

Anterior cervical discectomy with and without interbody bone graft. Martins AN. **J Neurosurg** 44(3):290–5, Mar 76

A technique of strengthened anterior fusion of the cervical spine. Suzuki J, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:95–7, 1975

Anterior cervical spine fusion. Jacobs B. **Surg Annu** 8:413–46, 1976 (66 ref.)

[Two-stage reposition and fixation of spondyloptosis with Harrington instrumentation and anterior intercorporal spondylodesis (author's transl)] Morscher E. **Arch Orthop Unfallchir** 83(3):323–34, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Critical comments on the surgical treatment of cervical-spine injuries] Tertsch D. **Beitr Orthop Traumatol** 23(1):1–5, Jan 76 **(Ger)**

[Significance of discography and ossovenography in patients with cervical ventral fusion] Agnoli AL. **Radiologe** 15(8):328–33, Aug 75 (Eng. Abstr.) **(Ger)**

[Report on the experience with 42 scoliosis operations using the Harrington instrumentarium. Reply to the comment by K. Zielke and B. Pellin] Matzen KA. **Z Orthop** 113(6):1105–6, Dec 75 **(Ger)**

[Report on the experience with 42 scoliosis operations using the Harrington instrumentarium. Comment on the paper by K. A. Matzen, V. Fischer, W. Paulus: Z. Orthop.112 (1975) 1062–1070] Zielke K, et al. **Z Orthop** 113(6):1103–5, Dec 75 **(Ger)**

[Surgical treatment of degenerative changes in the cervical vertebrae] Sik J, et al. **Orv Hetil** 117(24):1466–70, 13 Jun 76 **(Hun)**

[Posterior spondylodesis in scoliosis with correction of deformity by the Harrington type distractor and osteotomy of transverse processes] Shevchenko SD. **Ortop Travmatol Protez** (11):67–9, Nov 75 **(Rus)**

SPINAL INJURIES

Fracture of a vertebral body end plate and disk protrusion causing subarachnoid block in an adolescent. Lippitt AB. **Clin Orthop** (116):112–5, May 76

Hang gliding injuries. A preliminary report. Bell M. **Injury** 7(4):292–4, May 76

[The assessment of traumatic lesions to the spinal cord and the spine] Jörg J. **Med Welt** 27(13):603–10, 26 Mar 76 **(Ger)**

[Change of growth and form of growing spine in surgical injury of the soft-tissue formation of its anterior segments] Tsiv'ian IaL, et al. **Ortop Travmatol Protez** (6):50–5, Jun 75 (Eng. Abstr.) **(Rus)**

[Errors in diagnosis and treatment of injuries of cervical vertebrae] Rumiantseva AA, et al. **Vestn Khir** 114(5):121–6, May 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Multiple non-contiguous injuries to the spine. Kewalramani LS, et al. **Acta Orthop Scand** 47(1):52–8, Feb 76

Tetraplegia from trauma of the cervical spine in the absence of fractures and luxations. Perna E, et al. **J Neurosurg Sci** 19(3):171–5, Jul–Sep 75

Cervical spine injury in patients with ankylosing spondylitis. Kewalramani LS, et al. **J Trauma** 15(10):931–4, Oct 75

Spinal epidural hematoma: report of two cases. Savitz MH, et al. **Mt Sinai J Med NY** 43(3):309–11, May–Jun 76

[Treatment of late sequelae of fractures of lumbal vertebrae (author's transl)] Swiderski O, et al. **Acta Chir Orthop Traumatol Cech** 42(6):497–506, Dec 75 (Eng. Abstr.) **(Cze)**

[Posttraumatic headache] Hillbom E. **Duodecim** 92(7):334–40, 1976 **(Fin)**

[A case of chylothorax consecutive to a closed vertebro-costal trauma] Forster E, et al. **Chirurgie** 101(8):605–16, 11–25 Jun 75 (50 ref.) (Eng. Abstr.) **(Fre)**

[Abnormalities of lumbar transverse processes] Louyot P, et al. **Sem Hop Paris** 51(8):519–29, 14 Feb 75 (Eng. Abstr.) **(Fre)**

[Recognition of nucleus pulposus hernia as an accident sequela] Wehner W. **Beitr Orthop Traumatol** 22(3):142–4, Mar 75 **(Ger)**

[Letter: Whiplash injury and arrythmia] Kunert W. **Dtsch Med Wochenschr** 100(51):2623, 19 Dec 75 **(Ger)**

[Complications following traumatic lesions of the lumbar spine] Michalowska-Mrożek B, et al. **Chir Narzadow Ruchu Ortop Pol** 40(4):441–4, 1975 (Eng. Abstr.) **(Pol)**

[Early dermoplasty of decubitus ulcer in spine and spinal cord injuries] Bazilevskaia ZV. **Khirurgiia (Mosk)** (11):128–33, Nov 75 (Eng. Abstr.) **(Rus)**

[Prevention of decubitus ulcer in fractures and dislocations of the cervical spine with injury of the spinal cord] Kucherenko AE, et al. **Klin Khir** (7):41–3, Jun 75 **(Rus)**

[Neurodystrophic changes in the limbs in spinal and spinal cord injuries] Sipukhin IaM, et al. **Klin Med (Mosk)** 53(9):63–6, Sep 75 **(Rus)**

[Removal of the foreign body from the esophagus of a patient with fracture of cervical vertebrae] Batiunin IT. **Vestn Otorinolaringol** (5):97, Sept–Oct 1974 **(Rus)**

[Experience with 60 frontal myelotomies in treatment of spastic manifestations in patients with injuries of the spine and spinal cord] Virozub ID, et al. **Vopr Neirokhir** (2):21–6, MAR–APR 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Variance in correlation of electromyography myelography and surgical findings in back disorders: case presentation. Land ME, et al. **Bull Hosp Joint Dis** 36(1):30–3, Apr 75

Rotatory subluxation of the atlas on the axis. Iulo AD, et al. **JACEP** 5(7):523–4, Jul 76

[Sources of errors in the expert testimony on sinal injuries] Knöfler EW. **Beitr Orthop Traumatol** 22(3):151–6, Mar 75 **(Ger)**

[Expert testimony on spinal injuries] Langer G. **Beitr Orthop Traumatol** 22(3):149–50, Mar 75 **(Ger)**

[Can pre-existing conditions lead to diagnostic errors?] Greinemann H. **Hefte Unfallheilkd** (121):283–6, 1975 **(Ger)**

[Errors and difficulties in diagnosis of compression fractures of the spine] Maiat VV. **Khirurgiia (Mosk)** (4):120–2, Apr 75 **(Rus)**

ETIOLOGY

Incidence of fractures of the vertebral spine in epileptic patients. Pedersen KK, et al. **Acta Neurol Scand** 54(2):200–3, Aug 76

Letter: A complication of cardiac resuscitation. Jeong YG, et al. **Am Heart J** 90(5):680, Nov 75

Osteoporosis of the slender smoker. Vertebral compression fractures and loss of metacarpal cortex in relation to postmenopausal cigarette smoking and lack of obesity. Daniell HW. **Arch Intern Med** 136(3):298–304, Mar 76

Cervicocranium and the aviator's protective helmet. Colangelo EJ. **Aviat Space Environ Med** 46(10):1263–4, Oct 75

Spinal lesions in battered babies. Cullen JC. **J Bone Joint Surg [Br]** 57(3):364–6, Aug 75

Nonfatal cervical spine injuries in interscholastic football. Albright JP, et al. **JAMA** 236(11):1243–5, 13 Sep 76

Letter: Cardiac resuscitation and vertebral fracture. Jeong YG, et al. **JAMA** 234(12):1223, 22 Dec 75

Proceedings: Problems of ejection from aircraft. Spinal ejection injuries. Griffin CR. **Proc R Soc Med** 68(11):722–3, Nov 75

[Atypical pathological fracture in a case of Paget's osteodystrophy. Clinico-radiological and photodensitometric study] Crespi Porro R, et al. **Minerva Med** 66(80):4220–6, 24 Nov 75 **(Ita)**

[Simulation of injuries to the cervical and upper thoracic sections of the spine in lateral inclinations of the head due to the effects of measured static loads. (Experimental study. Report 2)] Pyrlina NP, et al. **Sud Med Ekspert** 18(3):6–11, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

HISTORY

The classic: Wiring of the vertebrae as a means of immobilization in fracture and Potts' disease. Berthold E. Hadra. Med Times and Register, Vol22, May 23, 1891. Hadra BE. **Clin Orthop** (112):4–8, Oct 75

The Kennedys: a partial medical case history. Part 1. Taylor B. **Md State Med J** 24(12):55–65, Dec 75

METABOLISM

[Aspects of calcium metabolism in spinal injuries] Ohry A, et al. **Harefuah** 90(3):128–30, 1 Feb 76 **(Heb)**

PREVENTION & CONTROL

[Vertebral lesions caused by ejection with the catapultable seat. Mechenism, diagnosis, results and means of prevention] Rotondo G. **Riv Med Aeronaut Spaz** 37(1–2):71–88 contd, Jan–Jun 74 **(Ita)**

RADIOGRAPHY

Cervical spine injuries. Diagnosis and classification. Babcock JL. **Arch Surg** 111(6):646–51, Jun 76

A case of cerivco-thoracic anomaly simulating traumatic fracture-dislocation. Abel MS, et al. **Clin Orthop** (116):133–7, May 76

Discontinuity of the spinous process on standard roentgenographs as an aid in the diagnosis of unstable fractures of the spine. Chiroff RT, et al. **J Trauma** 16(4):313–6, Apr 76

Two-level disruption of the ankylosed spine: a case report. Lieberg OU, et al. **J Trauma** 15(12):1064–6, Dec 75

Sagittal fracture of the cervical spine. McCoy SH, et al. **J Trauma** 16(4):310–12, Apr 76

Letter: The lumbosacral spine and accident compensation. MacFarlane RK. **NZ Med J** 83(563):338, 12 May 76

The lower cervical spine in trauma: a study of false-negative and false-positive findings. Synder LA. **South Med J** 69(6):764–7, Jun 76

[Tomographic examination in traumatic spondylitis] Maiat VV. **Ortop Travmatol Protez** (9):60–3, Sep 75 **(Rus)**

[A clinical case of a fire arm wound (air gun) in the cervical region. Clinical manifestations and treatment] Gras Albert JR, et al. **An Otorrinolaringol Ibero Am** 2(3):21–6, 1975 (Eng. Abstr.) **(Spa)**

REHABILITATION

The final responsibility of emergency. Bedbrook GM. **Med J Aust** 1(5):107–10, 31 Jan 76

[Method of control of postural adjustment of a patient in preparation of orthopedic corset] Miakotina LI, et al. **Ortop Travmatol Protez** (12):59–61, Dec 75 **(Rus)**

SURGERY

Surgical stabilization of the cervical spine after trauma. Stauffer ES, et al. **Arch Surg** 111(6):652–7, Jun 76

Technical report: method of fixation of subluxed or dislocated cervical spine below C1–C2. Tucker HH. **Can J Neurol Sci** 2(4):381–2, Nov 75

Dynamic spine alloplasty (spring-loading corrective devices) after fracture and spinal cord injury. Weiss M. **Clin Orthop** (112):150–8, Oct 75

Fracture-dislocation of the lumbosacral spine. A case report. Samberg LC. **J Bone Joint Surg [Am]** 57(7):1007–8, Oct 75

Spinal lesions, paraplegia and the surgeon. Berg D. **Papua New Guinea Med J** 18(2):100–8, Jun 75

Surgical stabilisation of the spine. Jackson RW. **Paraplegia** 13(2):71–4, Aug 75

[Posterior shifts of the injured cervical spine] Kirschner R. **Rozhl Chir** 54(11):753–60, Nov 75 (Eng. Abstr.) **(Cze)**

[Anesthesia and surgical resuscitation in surgery of the cervical spine with neurological disorders] Pasteyer J, et al. **Ann Anesthesiol Fr** 15(1):1A–8A, 1974 **(Fre)**

[Critical comments on the surgical treatment of cervical-spine injuries] Tertsch D. **Beitr Orthop Traumatol** 23(1):1–5, Jan 76 **(Ger)**

[The operative treatment of injuries to the cervical spine without complete spinal cord damage. A survey (author's transl)] Herrmann HD. **Unfallheilkunde** 79(1):19–27, Jan 76 (Eng. Abstr.) **(Ger)**

[Surgical treatment of vertebral fractures of the neck] Tertsch D, et al. **Zentralbl Chir** 100(4):225–31, 1975 **(Ger)**

[Errors in the management of lumbal vertebral fracture] István T. **Magy Traumatol Orthop** 18(3):237–9, 1975 **(Hun)**

[Results of surgical treatment of lesions of the lower spinal region in coal miners] Krawczyk E, et al. **Chir Narzadow Ruchu Ortop Pol** 40(6):673–7, 1975 (Eng. Abstr.) **(Pol)**

[Facetectomy in fractures of the articular apophyses of the cervical spine] Arseni C, et al. **Rev Chir [Chir]** 24(2):81–4, Mar–Apr 75 **(Rum)**

[Internal fixation of cervical vertebrae with wire loops] Kirshner R. **Khirurgiia (Mosk)** (12):62–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Operations by anterior approach in diseases and injuries of the cervical spine] Iumashev GS. **Ortop Travmatol Protez** (11):19–25, Nov 75 (Eng. Abstr.) **(Rus)**

[Basic mechanical characteristics of spinal fixators] Vasiukov AI, et al. **Ortop Travmatol Protez** (11):71–3, Nov 75 **(Rus)**

[Surgical fixation of the spine in fractures in the thoracic and lumbar segments] Zakrevskiĭ LK, et al. **Vestn Khir** 114(5):84–7, May 75 (Eng. Abstr.) **(Rus)**

[Traitment of fractures of cervical spine (author's transl)] Albert Lasierra P, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(192):79–89, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

THERAPY

Management of acute spine and spinal cord injuries. Old and new concepts. Feuer H. **Arch Surg** 111(6):638–45, Jun 76

The public interest in the treatment of patients with head and spinal injuries. Pyle H. **Ariz Med** 32(9):739–41, Sep 75

Management of patients with cervical spine and head injuries from acceleration forces. Wickstrom J, et al. **Curr Pract Orthop Surg** 6:83–98, 1975

A method for cervical spinal mobilization. Pugh SM. **J Am Osteopath Assoc** 75(10):863–4, Jun 76

Fractures of the neural arch of the axis. A report of twenty-nine cases. Brashear R Jr, et al. **J Bone Joint Surg [Am]** 57(7):879–87, Oct 75

The management of thoracic and thoraco-lumbar injuries of the spine with neurological involvement. Burke DC, et al. **J Bone Joint Surg [Br]** 58(1):72–8, Feb 76

First aid treatment for cervical vertebral injuries. Elrick WL, et al. **Med J Aust** 2(12):488, 20 Sep 75

Traumatic intracerebral haematoma: complication of skull caliper traction. Case report. Borovich B, et al. **Neurochirurgia (Stuttg)** 19(3):118–21, May 76

Orthosis for geriatric patients with vertebral fracture. Garzione JE, et al. **Phys Ther** 56(9):1034–5, Sep 76

Stabilization of spine fracture in paraplegic patients using a plaster cradle. Normell LA, et al. **Scand J Rehabil Med** 8(1):11–7, 1976

[Controlled orthopedic reduction of spinal fractures] Louis R, et al. **Rev Chir Orthop** 61(4):323–44, Jun 75 (Eng. Abstr.) **(Fre)**

[Treatment and prognosis in vertebral fractures in children and adolescents] Ruckstuhl J, et al. **Chirurg** 47(8):458–67, Aug 76 (Eng. Abstr.) **(Ger)**

[Consideration of age-dependent structural changes in vertebral fracture treatment] Plaue R. **Hefte Unfallheilkd** (121):130–4, 1975 **(Ger)**

[Electromyographic studies of the tension prevailing in the rectus abdominis muscle during reduction of fracture of the dorsolumbar spine] Peszko J. **Chir Narzadow Ruchu Ortop Pol** 41(2):155–60, 1976 (Eng. Abstr.) **(Pol)**

[Means of the improvement of the orthopedic-traumatological care of patients with spinal injuries in the Khar'kov region] Gustilin SA, et al. **Ortop Travmatol Protez** (1):81–3, Jan 76 **(Rus)**

[Effectiveness of the complex therapy using physical factors of patients with spinal cord injuries] Kalny'sh Iala. **Zh Nevropatol Psikhiatr** 75(9):1324–8, 1975 (Eng. Abstr.) **(Rus)**

SPINAL NEOPLASMS

Intraspinal tumours in the first two decades of life. Clinical and radiological features. Jorgensen J, et al. **Acta Orthop Scand** 47(4):391–6, Aug 76

Chondrosarcoma of the cervical spine. Case report. Blaylock RL, et al. **J Neurosurg** 44(4):500–3, Apr 76

Osteoclastoma of the thoracic spine. Case report. Gonem MN. **J Neurosurg** 44(6):748–52, Jun 76

Chordoma: an analysis of twenty cases treated over a twenty-year span. Ariel IM, et al. **J Surg Oncol** 7(1):27–44, 1975

Pregnancy and neurofibromatosis (von Recklinghausen's disease). Ansari AH, et al. **Obstet Gynecol** 47(1):25S–29S, Jan 76 (13 ref.)

[2 cases of osteoid osteoma of the spinal column] Ferrini L. **Chir Organi Mov** 62(2):169–74, 1975 (Eng. Abstr.) **(Ita)**

[Paraplegia and recto-vesical disorders: metastasis of liver cancer to the spinal cord (case 1) and to the thoracic vertebrae (case 2)] Sato H, et al. **Jpn J Clin Med** Spec No:902–3, 1362–5, 10 Apr 75 **(Jpn)**

[Ambulatory difficulty and sensory disturbance of the lower extremities: Grawitz's tumor (with metastasis to the thoracic vertebrae)] Yoshida H, et al. **Jpn J Clin Med** Spec No:916–7, 1390–3, 10 Apr 75 **(Jpn)**

[Chordoma] Vinogradova TP, et al. **Arkh Patol** 37(4):75–7, 1975 **(Rus)**

[Clinico-radiographic analysis of the state of the spine in patients with lymphogranulomatosis and in patients with multiple myeloma] Shimanovskaia KB, et al. **Probl Gematol Pereliv Krovi** 20(10):25–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Spinocraneal meningiomas] Drapkin AJ, et al. **Rev Clin Esp** 138(6):555–61, 30 Sep 75 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Induction of malignant bone tumors in rats by 1-(2-hydroxyethyl)-1-nitrosourea. Pelfrene A, et al. **J Natl Cancer Inst** 56(2):445–6, Feb 76

CLASSIFICATION

Spinal tumours. 1. Classification. Schott GD. **Nurs Times** 71(52):2055–7, 25 Dec 75

COMPLICATIONS

Spinal cord compression in malignant lymphoma. Treatment and results. Friedman M, et al. **Cancer** 37(3):1485–91, Mar 76

Malignant paraplegia. Calvert JM. **Med J Aust** 1(11):348–50, 13 Mar 76

Calcification in a cervical intraspinal neurilemmoma. Bonstelle CT, et al. **Neuroradiology** 10(5):231–3, 1976

Vertebral haemangiomatosis causing paraplegia. Harandi BA, et al. **Paraplegia** 13(2):89–94, Aug 75

[Extradural lipoma as an unusual cause of the spinal cord compression] Stančić-Rokotov F, et al. **Acta Med Iugosl** 30(2):215–32, Mar 76 (Eng. Abstr.) **(Cro)**

[Spinal cord compression by tumors: a pediatric emergency] Hütteroth H, et al. **Monatsschr Kinderheilkd** 124(5):466–8, May 76 **(Ger)**

[Bladder disorders in space-requiring spinal processes] Nau HE, et al. **Nervenarzt** 47(6):388–91, Jun 76 **(Ger)**

DIAGNOSIS

Early diagnosis of metastases in the epidural space. Longeval E, et al. **Acta Neurochir (Wien)** 31(3–4):177–84, 1975

Primary tumours in the spine and pelvis in adolescents: clinical and radiological features. Thommesen P, et al. **Acta Orthop Scand** 47(2):170–4, Apr 76

Letter: Paraspinal EMG and carcinoma. LaBan MM, et al. **Arch Phys Med Rehabil** 56(10):459, Oct 75

Osteoid-osteoma of the spine with localization aided by 99 mTc-polyphosphate bone scan. Case report. Gore DR, et al. **Clin Orthop** (113):132–4, Nov-Dec 75

Giant-cell tumors of the spine and sacrum causing neurological symptoms. Larsson SE, et al. **Clin Orthop** (111):201–11, Sep 75

Osteoblastomas of the axial skeleton shown by skeletal scanning: case report. Martin NL, et al. **J Nucl Med** 17(3):187–9, Mar 76

Letter: Cold areas in bone scanning. Winter PF, et al. **J Nucl Med** 17(8):755, Aug 76

Immunodiagnosis of a metastasis in a patient with a history of double malignant disease. Gardner MA, et al. **Med J Aust** 1(14):446–8, 5 Apr 75

Metastatic carcinoid presenting as a spinal tumor. Kirkpatrick DB, et al. **Surg Neurol** 4(3):283–7, Sep 75

[Lipomyelomeningocele with brown fat] Voldby B. **Ugeskr Laeger** 138(2):99–101, 5 Jan 76 (Eng. Abstr.) **(Dan)**

[Spinal tumours] Waltimo O, et al. **Duodecim** 92(6):298–303, 1976 (Eng. Abstr.) **(Fin)**

[Spinal chordoma. II. Review of the literature since 1960] Wellinger C. **Rev Rhum Mal Osteoartic** 42(3):195–204, Mar 75 **(Fre)**

[Nuclear medical tumor diagnosis in the area of the spine] pp. 104–8. Riccabona G. **In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974.** **(Ger)**

[Osteoblastoma of the sacrum with abnormal painful symptoms] Nicolosi M. **Chir Organi Mov** 61(6):749–55, 1975 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Late complications of rxtherapy; actinic sarcoma(author's transl)] Buffat JD. **Praxis** 64(36):1139–41, 9 Sep 75 (Eng. Abstr.) **(Fre)**

[Radiculomedullary compressions by osteosarcoma and by giant cell tumor of the spine occurring in Paget's disease] Phelip X, et al. **Rev Rhum Mal Osteoartic** 42(10):573–81, Oct 75 (27 ref.) (Eng. Abstr.) **(Fre)**

[A new case of sarcomatous degeneration of the spine in Paget's disease of bone] Villiaumey J, et al. **Rev Rhum Mal Osteoartic** 42(11):687–91, Nov 75 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Metastases to the vertebral column. Fornasier VL, et al. **Cancer** 36(2):590–4, Aug 75

PATHOLOGY

Osteoid osteoma of a vertebral body: report of a case with extension across the intervertebral disk. Heiman ML, et al. **Clin Orthop** (118):159–63, Jul-Aug 76

Primary osteogenic sarcoma of the cervical spine. A case report. Fielding JW, et al. **J Bone Joint Surg [Am]** 58(6):892–4, Sep 76

Fibroxanthosarcoma of bone. Newland RC, et al. **Pathology** 7(3):203–8, Jul 75

[Ultrastructure of a sacral chordoma] Lagacé R, et al. **Ann Anat Pathol (Paris)** 20(5):479–88, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of a chordoma] Tripler MF, et al. **J Neurol Sci** 25(3):361–70, Jul 75 (Eng. Abstr.) **(Fre)**

[Tumors of the spine (pathological-anatomical overview)] pp. 87–98. Thurner J, et al. **In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974.** **(Ger)**

[Medulloblastoma and spino-meningeal metastaszing. Differential diagnosis in the clinical picture and pathologic anatomy. A case contribution] Thörner G, et al. **Nervenarzt** 47(6):392–7, Jun 76 **(Ger)**

[Metastatic carcinoma involving the cauda equina] Coutinho LM, et al. **Arq Neuropsiquiatr** 34(3):288–92, Sep 76 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

Spinal neurofibromatosis. Leeds NE, et al. **Am J Roentgenol** 126(3):617–23, Mar 76

Angiography of high cervical extramedullary tumours. Spiegel PK, et al. **Clin Radiol** 26(3):385–8, Jul 75

The value of aortography in demonstrating spinal metastases from renal cell carcinoma prior to neurological localization. Fritzsche P, et al. **J Urol** 114(6):839–42, Dec 75

Neuroradiological diagnosis of intraspinal tumors in children. Vogelsang H, et al. **Neuropaediatrie** 7(1):3–18, Feb 76 (40 ref.)

The osseous and angiographic features of vertebral chordomas. Pinto RS, et al. **Neuroradiology** 9(5):231–41, 15 Sep 75

Angiographic demonstration of vertebral osteoid osteoma. Kamao S, et al. **Surg Neurol** (3):167–8, Sep 76

[The clinical features and diagnosis of glomus tumours (author's transl)] Kirchhoff D, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(6):493–6, Jun 75 (Eng. Abstr.) **(Ger)**

[Radiologic diagnosis of spinal tumors] pp. 98–104. Pirker E. **In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974.** **(Ger)**

[Tumor-related radiographic changes of the vertebral column in childhood (author's transl)] Greinacher I, et al. **Monatsschr Kinderheilkd** 124(6):519–26, Jun 76 (Eng. Abstr.) **(Ger)**

[Vertebral hemangioma] Oba K. **Jpn J Clin Radiol** 21(2):203–4, Feb 76 **(Jpn)**

SURGERY

Intraosseous neurilemmoma of the cervical spine causing paraparesis and treated by resection and grafting. Polkey CE. **J Neurol Neurosurg Psychiatry** 38(8):776–81, Aug 75

The value of palliative spinal surgery in metastatic urogenital tumors. Merrin C, et al. **J Urol** 115(6):712–3, Jun 76

Neurosurgery in the older patient. Stewart I, et al. **Postgrad Med J** 51(597):453–6, Jul 75

[Surgical treatment of metastases in the cervical spine. Principal orientations] Vlahovitch B, et al. **Nouv Presse Med** 4(35):2493–7, 18 Oct 75 (Eng. Abstr.) **(Fre)**

[Osteochondroma of the high cervical spine—a case report (author's transl)] Mitsumori K, et al. **Neurol Surg (Tokyo)** 3(10):867–71, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Evaluation of the criteria and methods of eradication of spinal column neoplasms by exeresis of the vertebral body or total vertebrectomy] Száva I, et al. **Rev Chir [Chir]** 23(7):603–19, Jul-Aug 74 (Eng. Abstr.) **(Rum)**

[Surgical treatment of hemangiomas of the vertebral body] Tsiv'ian IaL. **Khirurgiia (Mosk)** (12):57–62, Dec 75 **(Rus)**

[A combined method of removing hourglass shaped neurogenic mediastinal-intravertebral tumors] Irger IM, et al. **Vopr Neirokhir** (6):3–10, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

THERAPY

Relief of spinal block during embolization of a vertebral body hemangioma. Case report. Gross CE, et al. **J Neurosurg** 45(3):327–30, Sep 76

Transfemoral selective embolisation in the treatment of some cranial and vertebro-spinal vascular malformations and tumours. Preliminary results. Benati A, et al. **J Neurosurg Sci** 18(4):233–8, Oct-Dec 74

[Angioma (or hemangioma) of the vertebral body] Sadeghi B. **Brux Med** 55(9):459–62, Sep 75 **(Fre)**

VETERINARY

Osteochondromatosis of the cervical vertebrae in a dog. Alden CL, et al. **J Am Vet Med Assoc** 168(2):142–4, 15 Jan 76

Adenocarcinoma in the duodenum and vertebrae in a dog. Cho DY, et al. **J Am Vet Med Assoc** 169(3):317–9, 1 Aug 76

SPINAL NERVE ROOTS

Radicular back pain following lumbar epidural blood patch. Cornwall RD, et al. **Anesthesiology** 43(6):692–3, Dec 75

Cervical spondylotic radiculopathy and myelopathy. A long-term follow-up study. Gregorius FK, et al. **Arch Neurol** 33(9):618–25, Sep 76

The morphology of motoneurons and dorsal root fibers in the frog's spinal cord. Székely G. **Brain Res** 103(2):275–90, 20 Feb 76

Variance in correlation of electromyography myelography and surgical findings in back disorders: case presentation. Land ME, et al. **Bull Hosp Joint Dis** 36(1):30–3, Apr 75

Variance in correlation of electromyography, myelography and surgical findings in back disorders. Case presentation. Lane ME, et al. **Bull Hosp Joint Dis** 36(1):30–3, Apr 75

Lumbar spinal stenosis and nerve root entrapment syndromes. Definition and classification. Arnoldi CC, et al. **Clin Orthop** (115):4–5, Mar-Apr 76

Spondylolisthesis: indications for lumbar nerve root decompression and operative technique. Davis IS, et al. **Clin Orthop** (117):129–34, Jun 76

Facetectomy for the relief of intraforaminal compression of the fifth lumbar root at the collapsed lumbosacral disk. Gill GG. **Clin Orthop** (119):159–65, Sep 76

Proceedings: H reflex (in the soleus and quadriceps) in sciatic root lesions and femoral neuralgia. Nehlil J, et al. **Electroencephalogr Clin Neurophysiol** 39(5):551, Nov 75

Further characterization of the anti-encephalitogenic protein (SCP): isolation from bovine spinal cord and spinal roots. MacPherson CF, et al. **J Immunol** 116(1):227–31, Jan 76

Degenerative lumbar spondylolisthesis with an intact neural arch (pseudospondylolisthesis). Epstein JA, et al. **J Neurosurg** 44(2):139–47, Feb 76

Kinetic misperceptions in spinal and root diseases. Gasparini M, et al. **N Engl J Med** 294(3):167, 15 Jan 76

Cell-mediated immunity to neural antigens in idiopathic polyneuritis and myeloradiculitis. Clinical-immunologic classification of several autoimmune demyelinating disorders. Abramsky O, et al. **Neurology (Minneap)** 25(12):1154–9, Dec 75

Chronic polyradiculoneuropathy of infancy. A report of three cases with familial incidence. Kasman M, et al. **Neurology (Minneap)** 26(6 PT 1):565–73, Jun 76

Vertebral arteriography and microsurgery in the management of dumbbell cervical neurinomas. Avman N, et al. **Surg Neurol** 4(3):327–9, Sep 75

Adhesive lesions of the nerve root in the dural orifice as a cause of sciatica. Lerman VI, et al. **Surg Neurol** 4(2):229–32, Aug 75

Neoplasms of mesenchymal origin in the spinal cord and nerve roots of three dogs. Vandevelde M, et al. **Vet Pathol** 13(1):47–58, 1976

[Treatment of lumbar disk herniation with depot cortisone intrathecally and peridurally (author's transl)] Kneissel H. **Med Klin** 71(37):1506–7, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of the lumbar root compression syndrome] Grumme T. **Med Welt** 27(8):356–61, 20 Feb 76 **(Ger)**

[Diagnosis of lesions of cervical and lumbal roots (author's transl)] Schliack H. **Ther Umsch** 32(7):410–4, Jul 75 (Eng. Abstr.) **(Ger)**

[Marked autonomic nervous symptoms and systemic sensory disturbances following appendectomy: myeloradiculoneuropathy due to spinal anesthesia] Koshizuka H, et al. **Jpn J Clin Med** Spec No:996–7, 1536–9, 10 Apr 75 **(Jpn)**

[Electromyographic studies in the diagnosis of lumbosacral root compression syndromes] Kinalski R. **Neurol Neurochir Pol** 9(5):647–52, Sep-Oct 75 (30 ref.) **(Pol)**

[Usefulness of electromyographic examinations of paravertebral muscles in patients with lumbosacral root compression syndrome] Kinalski R. **Neurol Neurochir Pol** 10(4):473–8, Jul-Aug 76 (Eng. Abstr.)

(Pol)

ABNORMALITIES

Redundant nerve roots of the cauda equina. A case report. Pau A, et al. **Acta Neurochir (Wien)** 33(3-4):311-7, 1976

[Anomalies of the pattern of lumbosacral nerve roots and its clinical significance (author's transl)] Agnoli AL. **J Neurol** 211(3):217-28, 13 Feb 76 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

Spinal terminal fields of dorsal root fibers in the pigeon (Columba livia). Leonard RB, et al. **J Comp Neurol** 163(2):181-92, 15 Sep 75

BLOOD SUPPLY

[Topographo-anatomic interrelationships between the branches of the lumbar arteries and the spinal ganglia, nerves and roots] Kravchuk VN. **Vopr Neirokhir** (3):40-3, May-Jun 75 (Rus)

CYTOLOGY

Macrophages related to leptomeninges and ventral nerve roots. An ultrastructural study. Fraher JP, et al. **J Anat** 120(3):537-49, Dec 75

Unmyelinated preganglionic fibers in frog ventral roots. Vance WH, et al. **J Comp Neurol** 164(1):117-25, 1 Nov 75

DRUG EFFECTS

The effect of dopa on bilateral dorsal root potentials. Niechaj A. **J Neurobiol** 6(1):129-30, Jan 75

[Effect of analgestics and narcotics on the potentials of the posterior roots evoked by stimulation of the sensorimotor cortex] Ignatov IuD. **Farmakol Toksikol** 38(6):680-3, Nov-Dec 75 (Eng. Abstr.) (Rus)

[The influence of bemegride on frog spinal cord root potentials] Aleksandrov AA, et al. **Neirofiziologiia** 7(5):527-31, 1975 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Study on the fibre arrangement of the dorsal nerve root and its cellular constituents in the mouse fetus. Nawar NN. **Acta Anat (Basel)** 95(1):116-21, 1976

Nerve growth factor-induced rapid activation of RNA labeling in dorsal root ganglionic dissociates from chick embryos. Horii ZI, et al. **J Neurosci Res** 1(5-6):361-75, 1975

GROWTH & DEVELOPMENT

Neuroplasticity of primary afferents in the neo-natal cat and some results of early deafferentation of the trigeminal spinal nucleus. Kerr FW. **J Comp Neurol** 163(3):305-27, 1 Oct 75

Kinetic studies on glial, Schwann and capsular cells labelled with [3H] thymidine in cerebrospinal tissue of young mice. Kraus-Ruppert R, et al. **J Neurol Sci** 26(4):555-63, Dec 75

INJURIES

Traumatic disruption of the sacral root sheath. Padberg G, et al. **J Neurol Neurosurg Psychiatry** 38(8):819-21, Aug 75

Nerve rootlet avulsion as a complication of myelography with the Cualtico needle. Kennedy TF, et al. **Radiology** 119(2):389, May 76

[Nerve-root damage from local injections (author's transl)] Stöhr M, et al. **Dtsch Med Wochenschr** 101(33):1218-20, 13 Aug 76 (Eng. Abstr.) (Ger)

[Pantopaque-myelographic findings in brachial plexus root avulsion (author's transl)] Schindler E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(6):528-33, Jun 75 (Ger)

[Myelographic findings in multiple sclerosis in combination with cervical spondylosis] Wenig C, et al. **Radiologe** 15(8):317-22, Aug 75 (Eng. Abstr.) (Ger)

METABOLISM

Aspartic acid as a precursor for glutamic acid and glycine. Johnson JL. **Brain Res** 67(2):358-62, 22 Feb 74

High-affinity uptake system for glutamine in rat dorsal roots but not in nerve-endings. Roberts PJ, et al. **Brain Res** 67(2):252-7, 22 Feb 74

PATHOLOGY

Changes in the spinal roots in Duchenne muscular dystrophy and other neuromuscular disorders. pp. 144-7. Mukoyama M, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

Melanotic tumours (Blue Naevi) of spinal nerve roots. Graham DI, et al. **J Pathol** 118(2):83-9, Feb 76

[Motor neuron disease with sensory disturbance - autopsy study of a case with involvement of all ascending and descending pathways inclusive of anterior and posterior roots with exception of the posterior tract] Okajima T, et al. **Clin Neurol (Tokyo)** 15(9):602-8, Sep 75 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Regeneration of the spinal ventral roots. An experimental study in cats. Sanjuanbenito L, et al.
Acta Neurochir (Wien) 34(1-4):203-14, 1976

Reflex responses at the third spinal segment in brain intact toads. Negroni JA, et al. **Acta Physiol Lat Am** 24(4):346-55, 1974

Ventral root responses of the hemisected amphibian spinal cord to perfused amino acids in the presence of procaine. Evans RH, et al. **Br J Pharmacol** 55(4):519-26, Dec 75

The effect of axotomy on root potentials in the frog spinal cord. Carlsen RC, et al. **Brain Res** 108(2):418-22, 28 May 76

Sensitization and habituation of the plantar cushion reflex in cats. Egger MD, et al. **Brain Res** 103(2):215-28, 20 Feb 76

Ventral root projections of myelinated dorsal root ganglion cells in the cat. Loeb GE. **Brain Res** 106(1):159-65, 16 Apr 76

Female lordosis pattern in the male rat induced by estrogen and progesterone: effect of interruption of the dorsal inputs to the preoptic area and hypothalamus. Yamanouchi K, et al. **Endocrinol Jpn** 22(3):243-6, Jun 75

Post-tetanic changes of bilateral dorsal root potentials evoked by stimulation of the cutaneous afferents. Holobut W, et al. **Experientia** 31(11):1294-5, 15 Nov 75

The problem of detecting a free glutamat decrease in the dorsal sensory neuron following dorsal root crush. Johnson JL. **Experientia** 32(2):184-6, 15 Feb 76

The effect of DOPA on the dorsal root potentials evoked by stimulation of the cutaneous afferents. Niechaj A. **Folia Biol (Krakow)** 23(2):165-76, 1975

Dorsal root recording relevant for mating reflexes in female rats: identification of receptive fields and effects of peripheral denervation. Kow LM, et al. **J Neurobiol** 6(1):23-37, Jan 75

Receptive fields of unmyelinated ventral root afferent fibres in the cat. Clifton GL, et al. **J Physiol (Lond)** 256(3):573-600, Apr 76

Mechanisms underlying recurrent inhibition in the sacral parasympathetic outflow to the urinary bladder. de Groat WC. **J Physiol (Lond)** 257(2):503-13, May 76

Proceedings: Afferent discharges in the sacral ventral roots of cats. Floyd K, et al. **J Physiol (Lond)** 259(1):37P-38P, Jul 76

[Nature of rhythmic discharges in ventral spinal cord roots] Lisin VV, et al. **Biull Eksp Biol Med** 80(12):9-10, Dec 75 (Eng. Abstr.) (Rus)

[Changes in the posterior root potential and excitability of terminals of primary afferents of the cat spinal cord evoked by rhythmic stimulation of the accompanying sympathetic trunk] Bagramova MA, et al. **Fiziol Zh SSSR** 62(1):137-40, Jan 76 (Rus)

[Depression of the electrotonic posterior root potential] Korogod SM, et al. **Fiziol Zh SSSR** 61(11):1730-3, Nov 75 (Rus)

[Spinal nerve root distribution of the myelinated and unmyelinated nerve fibers of a cat cutaneous nerve] Shaposhnikov VL. **Neirofiziologiia** 7(6):647-54, 1975 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[Electrotonic potentials of spinal cord dorsal roots in frogs with experimental tetanus] Erzina GA, et al.
Biull Eksp Biol Med 80(7):18-21, Jul 75 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Water soluble contrast myelography in spinal canal stenosis and nerve entrapment. Morris L. **Clin Orthop** (115):49-52, Mar-Apr 76

Myelographic evidence for nerve root enlargement in a case of Charcot-Marie-Tooth disease. Kremenitzer M, et al. **Neuroradiology** 11(4):165-7, 30 Jul 76

[Saccoradiculography with Dimer-X. Electromyographic methodlogy and research of its neurotoxicity] de Bisschop G, et al. **Electrodiagn Ther** 12(4):159-73, 1975 (Fre)

[Topographic forms of herniated lumbar discs. Contribution of saccoradiculographie and zonographie] Buchheit F, et al. **Neurochirurgie** 21(1):43-54, Jan-Feb 75 (Eng. Abstr.) (Fre)

[The radiation load in lumbosacral radiculography] Hammer VB. **Wien Med Wochenschr** 125(25-27):400-2, 20 Jun 75 (Ger)

[Lumbosacral radiculography. Study of 100 cases] Hernández Vicente J, et al. **Rev Clin Esp** 141(3):253-9, 15 May 76 (Eng. Abstr.) (Spa)

SURGERY

Sectorial posterior rhizotomy, a new technique of surgical treatment for spasticity. Privat JM, et al.
Acta Neurochir (Wien) 35(1-3):181-95, 1976

Proceedings: The treatment of spasticity by Foerster's operation. Schepelmann F. **Acta Neurochir (Wien)** 31(3-4):309, 1975

Facet denervation in the management of back and sciatic pain. Shealy CN. **Clin Orthop** (115):157-64, Mar-Apr 76

Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica. Shealy CN. **J Neurosurg** 43(4):448-51, Oct 75

Management of the uninhibited bladder by selective sacral neurectomy. Torrens MJ, et al. **J Neurosurg** 44(2):176-85, Feb 76

A study of subcutaneous rhizolysis in the treatment of chronic backache. Houston JR. **J R Coll Gen Pract** 25(158):692-7, Sep 75

Long-term results of sacral rhizotomy for ureteral reflux in the spinal cord injured. Cashion EL, et al. **Paraplegia** 13(3):153-6, Nov 75

[Functional posterior radiculotomy, in the treatment of cerebral spasticity. peroperative electric stimulation of posterior roots and its use in the choice of the roots to be sectioned] Fasano VA, et al. **Neurochirurgie** 22(1):23-34, 1976 (Eng. Abstr.) (Fre)

[Selective surgery of posterior nerve roots. First results of surgery for pain] Sindou M, et al. **Neurochirurgie** 20(5):391-408, Sep-Oct 74 (Eng. Abstr.) (Fre)

[Results of selective posterior radiculetomy at the lumbar and cervical level] Vlahovitch B, et al. **Neurochirurgie** 21(1):29-42, Jan-Feb 75 (Eng. Abstr.) (Fre)

[About the relief of severe spasticity in paraplegics (author's transl)] Zrubecky G. **Arch Orthop Unfallchir** 85(1):51-9, 18 Jun 76 (Eng. Abstr.) (Ger)

[Posterior partial rhizotomy and a new technique, posterior partial radiclotomy, in the treatment of tonic spasticity (author's transl)] Fraioli B, et al. **Riv Patol Nerv Ment** 96(2):65-81, Mar-Apr 75 (Eng. Abstr.) (Ita)

ULTRASTRUCTURE

Proceedings: A light and electron microscopic study of the accumulation of material in sectioned rat dorsal roots and the effect of demecolcine. Duce IR, et al.
Br J Pharmacol 55(2):265P, Oct 75

Quantitative ultrastructural studies of the axon Schwann cell abnormality in spinal nerve roots from dystrophic mice. Bray GM, et al. **J Neuropathol Exp Neurol** 34(6):517-30, Nov 75

Unmyelinated fibres in the sacral 3 and caudal 1 ventral roots of the cat. Applebaum ML, et al. **J Physiol (Lond)** 256(3):557-72, Apr 76

[Proceedings: Incidence of autonomic fibers in the posterior spinal-cord roots] Zenker W, et al. **Verh Anat Ges** 69:495, 1975 (Ger)

SPINAL NERVES

Diagnostic features of tumors of the lower thoracic sympathetic chain. Gonzales ET Jr, et al. **J Urol** 115(3):320-2, Mar 76

[Irritation of the lumbar plexus by an aneurysm of the abdominal aorta (author's transl)] Pilz H, et al.
J Neurol 210(1):67-9, 4 Aug 75 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

Spinal nerves and their bearing on salamander phylogeny. Edwards JL. **J Morphol** 148(3):305-28, Mar 76

BLOOD SUPPLY

Ultrastructural changes in blood vessels of peripheral nerves in leprosy neuropathy. I. Tuberculoid and borderline-tuberculoid leprosy patients. Boddingius J.
Acta Neuropathol (Berl) 35(2):159-81, 15 Jun 76

[Topographo-anatomic interrelationships between the branches of the lumbar arteries and the spinal ganglia, nerves and roots] Kravchuk VN. **Vopr Neirokhir** (3):40-3, May-Jun 75 (Rus)

CYTOLOGY

Categories of axons in mammalian rami communicantes. Coggeshall RE, et al. **J Comp Neurol** 167(1):105-23, 1 May 76

DRUG EFFECTS

[Use of the principle of aspecificity in depressants of the central nervous system] Fubini B, et al.
Boll Soc Ital Biol Sper 51(23):1804-8, 15 Dec 75 (Ita)

[Intercentral relations in rat spinal cord with local depression of the inhibitory processes] Kryzhanovskii GN, et al.
Neirofiziologiia 7(3):234-42, 1975 (Eng. Abstr.) (Rus)

EMBRYOLOGY

The retrograde transport of horseradish peroxidase from the developing limb of the chick embryo. Oppenheim RW, et al. **Brain Res** 98(2):291-302, 14 Nov 75

INJURIES

Neurourologic evaluation after resection of the sacrum. Gunterberg B, et al. **Invest Urol** 13(3):183-8, Nov 75

The neurological risk of Harrington procedures (author's transl)] Zielke K, et al. **Arch Orthop Unfallchir** 83(3):311-22, 22 Dec 75 (Eng. Abstr.) (Ger)

METABOLISM

Electrolyte distribution in toad sciatic nerve and spinal cord. Astrada CA, et al. **Brain Res** 98(2):279-89, 14 Nov 75

Low temperature slowing and cold-block of fast axoplasmic transport in mammalian nerves in vitro. Ochs S, et al.
J Neurobiol 6(1):85-102, Jan 75

[Sural nerve phospholipids in some genetically determined nervous system diseases] Nowicka K.
Neurol Neurochir Pol 9(6):687-96, Nov-Dec 75 (Eng. Abstr.) (Pol)

PATHOLOGY

Late changes in human sural nerves in Minamata disease and in nerves of rats with experimental organic mercury poisoning. Miyakawa T, et al. **Acta Neuropathol (Berl)** 35(2):131–8, 15 Jun 76

Unmyelinated fibres and Schwann cells of sural nerve in neuropathy. Behse F, et al. **Brain** 98(3):493–510, Sep 75

Dynamic aspects of peripheral nerve changes in progressive neural muscular atrophy: light- and electronmicroscopic studies of serial nerve biopsies. Meier C, et al. **J Neurol** 211(2):111–24, 14 Jan 76

The sural nerve in familial dysautonomia. Pearson J, et al. **J Neuropathol Exp Neurol** 34(5):413–24, Sep 75

Chronic inflammatory polyradiculoneuropathy. Dyck PJ, et al. **Mayo Clin Proc** 50(11):621–37, Nov 75

[Peripheral nerve lesions in acute intermittent porphyria] Wakayama Y, et al. **Clin Neurol (Tokyo)** 15(6):333–9, Jun 75 (Eng. Abstr.) **(Jpn)**

[Histopathological studies of the spinal cord following subarachnoid block using phenol—clinical and experimental studies] Tamura K. **Jpn J Anesthesiol** 24(7):681–94, Jul 75 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Exteroceptive influences on the lumbar back muscle tone and reflexes in the cat. Carlson H, et al. **Acta Physiol Scand** 97(3):332–42, Jul 76

Reflex sympathetic tachycardia during intravenous infusions in chronic spinal cats. Bishop VS, et al. **Am J Physiol** 230(1):25–9, Jan 76

Spinal autonomic afferents in elicitation of tachycardia in volume infusion in the dog. Gupta PD. **Am J Physiol** 229(2):303–8, Aug 75

Synchronization of respiratory frequency by somatic afferent stimulation. Iscoe S, et al. **J Appl Physiol** 40(2):138–48, Feb 1976

Mossy fiber neck and second-order labyrinthine projections to cat flocculus. Wilson VJ, et al. **J Neurophysiol** 39(2):301–10, Mar 76

Statistical fluctuations in charge transfer at Ia synapses on spinal motoneurones. Edwards FR, et al. **J Physiol (Lond)** 259(3):665–88, Aug 76

Non-quantal fluctuations and transmission failures in charge transfer at Ia synapses on spinal motoneurones. Edwards FR, et al. **J Physiol (Lond)** 259(3):689–704, Aug 76

The effect of polarizing currents on unitary Ia excitatory post-synaptic potentials evoked in spinal motoneurones. Edwards FR, et al. **J Physiol (Lond)** 259(3):705–23, Aug 76

Ionic mechanisms associated with the depolarization by glutamate and aspartate on human and rat spinal neurones in tissue culture. Hösli L, et al. **Pfluegers Arch** 363(1):43–8, 6 May 76

[Histochemical study of rat nerve and motor end plates after section of spinal nerve (author's transl)] Delbarre G, et al. **Ann Histochim** 20(1):33–8, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Reaction of the hypothalamo-hypophyseal system of cats to stimulation of the cervical sympathetic nerve and the afferent fibers of the vagus nerve] Borisova EA. **Biull Eksp Biol Med** 80(9):7–10, Sep 75 (Eng. Abstr.) **(Rus)**

[Osmo- and ionic liver receptors] Aizman RI, et al. **Fiziol Zh SSSR** 62(1):128–36, Jan 76 (Eng. Abstr.) **(Rus)**

[Polysynaptic components of the early somato-sympathetic reflex response in the lumbar white rami communicantes] Lebedev VP, et al. **Neirofiziologiia** 7(2):194–202, 1975 **(Rus)**

[Backgroung activity and evoked responses of pigeon cerebellar cortex neurons to stimulation of the vagus nerve and nerves of the extremities] Levchuk OV. **Neirofiziologiia** 7(4):380–7, 1975 (Eng. Abstr.) **(Rus)**

[A change in the reflex excitability of spinal motoneurons during daytime sleep in newborn infants] Vakhrameeva IA, et al. **Zh Evol Biokhim Fiziol** 12(2):162–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Parameters of the reflex responses of cat spinal cord neurons during ontogenesis] Zakher IuIa, et al. **Zh Evol Biokhim Fiziol** 12(2):154–60, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The role of afferentation from the supporting extremities in carrying out complex motor acts] Lidzheeva AF. **Zh Vyssh Nerv Deiat** 25(3):615–7, May–June 75 **(Rus)**

PHYSIOPATHOLOGY

The location of conduction abnormalities in human entrapment neuropathies. Brown WF, et al. **Can J Neurol Sci** 3(2):111–22, May 76

Flexor reflex components in relation to afferent stimulation and sural nerve biopsies. Preliminary report. Horstink MW, et al. **Electromyogr Clin Neurophysiol** 15(1):83–9, Jan–Apr 75

[Clinical picture and morphology of lead polyneuropathy in man] Schlenska GK, et al. **Nervenarzt** 46(9):501–8, Sep 75 **(Ger)**

[Studies on the maximal and minimal motor conduction velocity of spinal nerves in subjects with muscular atrophy of myelopathic origin] Mapelli G, et al. **Riv Neurobiol** 18(2):151–75, Apr–Jun 72 (Eng. Abstr.) **(Ita)**

SURGERY

Effect of somaesthetic denervation upon the vasoconstrictor response in human subcutaneous tissue. Henriksen O. **Acta Physiol Scand** 96(3):431–2, Mar 76

Facet rhizotomy. Another armamentarium for treatment of low backache. Banerjee T, et al. **NC Med J** 37(7):354–60, Jul 76

[Ramotomy in lumbago—sciatica] Lindahl O. **Lakartidningen** 73(14):1314–5, 31 Mar 76 (Eng. Abstr.) **(Swe)**

TRANSPLANTATION

Anastomosis between the two facial nerves. Scaramella LF. **Laryngoscope** 85(8):1359–66, Aug 75

[Autologous nerve transplantation for the bridging of nerve defects in the jaw and face] Hausamen JE, et al. **Fortschr Kiefer Gesichtschir** 20:118–21, 1976 **(Ger)**

[Cross-face-nerve transplantation for repair of paralyzed facial musculature] pp. 137–42. Anderl H. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Thraumatic nerve injuries and sural nerve graft. Electro-clinical correlations under surgical treatment (author's transl)] Perez Miquez F, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(196):253–9, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Sea-blue histiocytes and sural nerve in neurovisceral storage disorder with vertical ophthalmoplegia. Kornfeld M, et al. **J Neurol Sci** 25(3):291–302, Jul 75

[Krabbe's disease. Clinical and ultrastructural study of a case] Fontan D, et al. **Pediatrie** 30(8):821–9, Dec 75 **(Fre)**

[Electron microscopic studies of the sural nerve in a typical Charcot-Marie-Tooth disease] Mizutani T, et al. **Clin Neurol (Tokyo)** 16(6):451–6, Jun 76 (Eng. Abstr.) **(Jpn)**

[Quantitative electron microscopic studies on biopsy specimens of the sural nerve. I. The relations between the number of the myelin lamellae and axon circumference of the myelinated fibers] Tohgi H, et al. **Clin Neurol (Tokyo)** 15(9):642–50, Sep 75 (Eng. Abstr.) **(Jpn)**

[Quantitative electron microscopic studies on biopsy specimens of the sural nerve. II. Unmyelinated fibers and Schwann cells] Tohgi H, et al. **Clin Neurol (Tokyo)** 15(9):651–60, Sep 75 (Eng. Abstr.) **(Jpn)**

[Morphological changes occurring in the sural nerve in some diseases of the central nervous system] Jędrzejowska H, et al. **Neuropatol Pol** 14(2):149–64, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

SPINAL OSTEOPHYTOSIS

[Pathogenesis and anatomopathological picture of spondylosis cervicalis] Samusik J. **Wiad Lek** 29(5):381–4, 1 Mar 76 **(Pol)**

CHEMICALLY INDUCED

Skeletal effects of cholesterol feeding. Silberberg R. **Pathol Microbiol (Basel)** 43(4):265–75, 1975

COMPLICATIONS

Occlusion of an epidural catheter secondary to osteoarthritis. Kaufman RD, et al. **Anesthesiology** 44(3):253–5, Mar 76

Narrow lumbar spinal canal with 'vascular' syndromes. Karayannacos PE, et al. **Arch Surg** 111(7):803–6, Jul 76

Aging changes in intervertebral discs and spondylosis in Chinese hamsters. Silberberg R, et al. **Diabetes** 25(6):477–83, Jun 76

Cervical spondylosis: most common cause of position and vibratory sense loss. Valergakis FE. **Geriatrics** 31(7):51–6, Jul 76

The shoulder girdle disc. Phillips DG. **J Neurol Neurosurg Psychiatry** 39(8):817–20, Aug 76

Cervical spondylotic dysphagia. Gohel VK, et al. **JAMA** 235(9):935–6, 1 Mar 76

Osteophyte-induced dysphagia. Occurrence in akylosing hyperostosis. Prince DS, et al. **JAMA** 234(1):77–8, 6 Oct 75

Pharyngeal symptoms caused by cervical osteophytes. Robinson JM. **ORL** 38(1):45–52, 1976

Ankylosing hyperostosis with cervical spinal cord compression. Gibson T, et al. **Rheumatol Rehabil** 15(2):67–70, May 76

[Role of vertebral hyperostosis in cervical myelopathies] Arlet J, et al. **Rev Rhum Mal Osteoartic** 43(3):167–75, Mar 76 (Eng. Abstr.) **(Fre)**

[Ankylosing hyperostosis of the cervical part of the spine (report of a case)] Mladenović V, et al. **Srp Arh Celok Lek** 103(6):581–5, Jun 75 **(Ser)**

DIAGNOSIS

[Differentiation of spondylitis ankylopoietica and spondylitis hyperostotica] Pazderka V, et al. **Cesk Patol** 11(2):88–9, May 75 (Eng. Abstr.) **(Cze)**

[Myelographic findings in multiple sclerosis in combination with cervical spondylosis] Wenig C, et al. **Radiologe** 15(8):317–22, Aug 75 (Eng. Abstr.) **(Ger)**

[Clinical manifestations of cervical spondylosis] Samusik J. **Wiad Lek** 29(6):501–5, 15 Mar 76 **(Pol)**

METABOLISM

Obesity and joint disease. Silberberg R. **Gerontology** 22(3):135–40, 1976

PATHOLOGY

[Baastrup syndrome of the lumbar spine in miners] Gajdek D, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):171–4, 1976 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Diffuse skeletal abnormalities in Forestier disease. Utsinger PD, et al. **Arch Intern Med** 136(7):763–8, Jul 76

Location of the 'zero zone' and its role in the pathogenesis of cervical spondylosis. Jirout J. **Neuroradiology** 10(4) 1976

[Acetabular roof in coxarthrosis and osteonecrosis (author's transl)] Pazderka V, et al. **Radiol Diagn (Berl)** 16(2):275–83, 1975 (Eng. Abstr.) **(Ger)**

[The radiological picture of ankylosing spondylarthritis and of hyperostotic spondylosis (author's transl)] Středa A. **Radiol Diagn (Berl)** 16(2):265–73, 1975 (Eng. Abstr.) **(Ger)**

[Disease-estimation of degenerative spinal disorders and position of x-ray diagnosis] Müller-Stephann H. **Z Aerztl Fortbild (Jena)** 70(8):431–4, 15 Apr 76 **(Ger)**

[The antero-posterior diameter of the cervical spinal canal in cervical spondylosis (author's transl)] Sato M, et al. **Neurol Surg (Tokyo)** 4(4):359–64, Apr 76 (Eng. Abstr.) **(Jpn)**

SURGERY

The effect of surgical immobilization after laminectomy in the treatment of advanced cases of cervical spondylotic myelopathy. González-Feria L. **Acta Neurochir (Wien)** 31(3–4):185–93, 1975

The management of vertebral artery insufficiency in cervical spondylosis: a modified technique. Dan NG. **Aust NZ J Surg** 46(2):164–5, May 76

Cervical spondylotic myelopathy: a cooperative study. González-Feria L, et al. **Clin Neurol Neurosurg** 78(1):19–33, 1975

Proceedings: Cervical myelopathy treated by anterior decompression and fusion. Strachan WE. **J Neurol Neurosurg Psychiatry** 38(8):823, Aug 75

Trans-unco-discal approach. A combined anterior and lateral approach to cervical discs. Hakuba A. **J Neurosurg** 45(3):284–91, Sep 76

A rational approach to cervical disk lesions and spondylosis. Fager CA. **Med Times** 104(9):108–19, Sep 76

Rationale and techniques of posterior approaches to cervical disk lesions and spondylosis. Fager CA. **Surg Clin North Am** 56(3):581–92, Jun 76

[The protrusion of thoracic intervertebral disc-thoracic spondylosis (author's transl)] Daita G, et al. **Neurol Surg (Tokyo)** 3(6):509–15, Jun 75 (Eng. Abstr.) **(Jpn)**

[Surgical technique for cervical spondylosis and soft disc (author's transl)] Tsuru M, et al. **Neurol Surg (Tokyo)** 3(1):15–20, Jan 75 **(Jpn)**

THERAPY

Quadriplegia following cervical traction in patients with occult epidural prostatic metastasis. LaBan MM, et al. **Arch Phys Med Rehabil** 56(10):455–8, Oct 75

[Study of the effectiveness of paraffin- and hydrotherapy in joint diseases] Finogenov SN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):425–7, Sep–Oct 75 **(Rus)**

[Treatment of patients with primary deforming arthrosis and spondylosis with a tissue preparation, rumalon] Belen'kil MS. **Vopr Revm** (2):65–7, Apr–Jun 75 **(Rus)**

SPINAL PUNCTURE

Letter: Fever in the neonate. Goldstone SJ. **J Pediatr** 88(1):167–8, Jan 76

Transient hydrocephalus in premature infants: Treatment by lumbar punctures. Goldstein GW, et al. **Lancet** 1(7958):512–4, 6 Mar 76

Percutaneous spinal cord puncture and myelocystography. Its role in the diagnosis and treatment of intramedullary neoplasms. Quencer RM, et al. **Radiology** 118(3):637–44, Mar 76

[Lumbar puncture] Iivanainen M. **Duodecim** 91(17):993–6, 1975 **(Fin)**

ADVERSE EFFECTS

Proceedings: Do lumbar puncture and other diagnostic procedures have an unfavorable effect on the clinical course of multiple sclerosis? Weisner B. **Acta Neurochir (Wien)** 31(3–4):294, 1975

Letter: Lumbar punctures and meningitis. Herman SP. **Am J Dis Child** 129(10):1239–40, Oct 75

Case history number 86: an unusual complication of lumbar puncture: a CSF cutaneous fistula. Ball CG, et al. **Anesth Analg (Cleve)** 54(5):691–4, Sep–Oct 75

Lumbar epidermoid cyst following single spinal puncture. Case report. Tabaddor K, et al. **J Bone Joint Surg [Am]** 57(8):1168–9, Dec 75

Focal neurological deficits secondary to intraoperative CSF

drainage: successful resolution with an epidural blood patch. Report of two cases. Guido LJ, et al. **J Neurosurg** 45(3):348–51, Sep 76

Persistent dural cerebrospinal fluid leak shown by retrograde radionuclide myelography: case report. Kadrie H, et al. **J Nucl Med** 17(9):797–9, Sep 76

Transient paraplegia from hematoma after lumbar puncture. A consequence of anticoagulant therapy. Messer HD, et al. **JAMA** 235(5):529–30, 2 Feb 76

Letter: Lumbar puncture and anticoagulant therapy. Woolf JI. **JAMA** 235(25):2716, 21 Jun 76

[Epidural spinal hematoma after lumbar puncture] Dulac O, et al. **Arch Fr Pediatr** 32(1):77–80, Jan 75 (Eng. Abstr.) **(Fre)**

[Headache following a lumbar tap] Kwasucki J. **Neurol Neurochir Pol** 10(3):315–20, May–Jun 76 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

Spinal needle with depth guide: a new design for simplifying subarachnoid injections. Hinck VC. **Am J Roentgenol** 127(2):354, Aug 76

The myelography needle: a new cannula for aspiration. Hinck VC. **Radiology** 120(3):731–2, Sep 76

METHODS

Evaluation of sucessive collections of cisternal cerebrospinal fluid in rats, rabbits, and cats. Ylitalo P, et al. **Exp Neurol** 50(2):330–6, Feb 76

Cerebrospinal fluid sampling technique and Astrup pH and PCO2 values. Davies DG. **J Appl Physiol** 40(1):123–5, Jan 76

Lateral cervical approach for spinal drainage during intracranial surgery. Sundaresan N, et al. **Surg Neurol** 5(5):278, May 76

SPINE

see related

LAMINECTOMY

Back pain and vertebral crush fractures: an unemphasized mode of presentation for primary hyperparathyroidism. Dauphine RT, et al. **Ann Intern Med** 83(3):365–7, Sep 75

Principles and techniques of spinal manipulation. Hadcock WG. **J Am Osteopath Assoc** 75(12):1024–8, Aug 76

[Evaluation of clinical, x-ray and scintigraphic findings in sacroiliac joints and the spine in the diagnosis of ankylosing spondylitis] Jajić I, et al. **Reumatizam** 23(3):83–91, 1976 (Eng. Abstr.) **(Cro)**

[Changing position of the neutral vertebra in different stages of curve correction (author's transl)] Edelmann P. **Z Orthop** 114(2):260–2, Apr 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Effects of spinal thermal stimulation on visceral organs with smooth muscles] Iriki M, et al. **J Physiol Soc Jpn** 36(8–9):291, 1 Sep 74 **(Jpn)**

ABNORMALITIES

Spinal retroflexion in craniorhachischisis: its classification and limitations. Chaurasia BD, et al. **Acta Anat (Basel)** 94(4):626–32, 1976

Spondylothoracic dysplasia, costovertebral dysplasia, Jarcho–Levin syndrome. Gellis SS, et al. **Am J Dis Child** 130(5):513–4, May 76

Malformed vertebrae: a new mutant with the 'wirbel–rippen syndrom' in the mouse. Theiler K, et al. **Anat Embryol (Berl)** 147(2):161–6, 9 Aug 75

Congenital vertebral anomalies: aetiology and relationship to spina bifida cystica. Wynne-Davies R. **J Med Genet** 12(3):280–8, Sep 75

Letter: The scimitar syndrome. Szalay GC. **J Thorac Cardiovasc Surg** 71(1):150, Jan 76

Birth defect syndromes in which orthopedic problems may be overlooked. Goldberg MJ, et al. **Orthop Clin North Am** 7(2):285–44, Apr 76

Birth defects involving the spine. Zimbler S, et al. **Orthop Clin North Am** 7(2):303–14, Apr 76

The Aicardi syndrome. Wise G, et al. **Proc Aust Assoc Neurol** 11:103–13, 1974

Spondyloenchondrodysplasia. Enchondromatomosis with severe platyspondyly in two brothers. Schorr S, et al. **Radiology** 118(1):133–9, Jan 76

[Plurality in the determinism of organophosphorus teratogenic effects (author's transl)] Meiniel R. **Experientia** 32(7):920–2, 1976 (Eng. Abstr.) **(Fre)**

[Irapa type spondylo–epiphyso–metaphyseal osteochondrodysplasia. New type of dwarfism with short spine and metatarsals] Arias S, et al. **Nouv Presse Med** 5(6):319–23, 7 Feb 76 (Eng. Abstr.) **(Fre)**

[Notomelia in a calf] Pohlmeyer K. **Dtsch Tieraerztl Wochenschr** 82(5):190–5, 5 May 75 (Eng. Abstr.) **(Ger)**

[Deformities of the spine and ribs in embryologically related malformations of the heart with cyanosis] Beitzke A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):242–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Oto–vertebral syndrome] Böggering B. **Fortschr Med** 93(30):1452–5, 23 Oct 75 (Eng. Abstr.) **(Ger)**

[Congenital spondylo–epiphyseal dysplasia: follow–up of a case over 9 years (author's transl)] Luthardt T, et al. **Klin Paediatr** 187(6):538–45, Nov 75 (Eng. Abstr.) **(Ger)**

[Development of the vertebral column and its relation to sport (author's transl)] Ehricht HG. **Ther Umsch** 31(4):243–52, Apr 74 **(Ger)**

[Supplement to the contribution of K. H. Unger: Spinal malformations in pikes (Esox lucius L.)] Reichenbach–Klinke HH. **Tieraerztl Prax** 3(2):249–51, 1975 **(Ger)**

[Morquio's syndrome: case of complete congenital atrioventricular block accompanied by bone malformations and mental deficiency. Implantation of a permanent pacemaker] Mangiameli S, et al. **Boll Soc Ital Cardiol** 18(3):284–92, 1973 (Eng. Abstr.) **(Ita)**

[Frontal vertebral cleft in the newborn] Riggio S, et al. **Minerva Med** 67(22):1413–6, 5 May 76 (Eng. Abstr.) **(Ita)**

[Oculo–vertebral dysplasia (Weyers–Thier syndrome) in a 3–year–old child] Modzelewska–Kolasa A. **Pediatr Pol** 51(7): 857–60, 1976 **(Pol)**

[Optic nerve lesions associated with multiple vertebromedullary malformations] Cernea P, et al. **Rev Chir [Oftalmol]** 19(4):303–6, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Medullary tumors in children with preexisting massive deformities of the spinal column] Arseni C, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(2):127–32, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Some data on the formation of anomalies of the bodies of the vertebrae in man] Gavata BV. **Arkh Patol** 37(4):43–8, 1975 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Microscopic organization of the ligamenta flava in Cercopithecinae. Fasana F. **Acta Anat (Basel)** 94(1):127–42, 1976

Contribution to the clinical anatomy of the vertebral column. Considerations on the stability and the instability at the height of the 'vertebral units'. Veleanu C, et al. **Anat Anz** 137(3):287–95, 1975

The facet joints: another look. Maslow GS, et al. **Bull NY Acad Med** 51(11):1294–1311, Dec 75

Vertebromedullary topography and its postnatal changes in the rat. Istaith AR. **Folia Morphol (Praha)** 23(4):397–403, 1975

[The significance of intervertebral meniscoids for the origin of vertebral blockade (author's transl)] Kos J, et al. **Cas Lek Cesk** 114(36):1099–101, 5 Sep 75 (Eng. Abstr.) **(Cze)**

[Anatomo–functional properties of the vertebral axis] Lethé. **Bull Assoc Anat (Nancy)** 59(164):207–18, Mar 75 (Eng. Abstr.) **(Fre)**

[Functional anatomy of the spine] pp. 1–6. Platzer W. **In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974.** **(Ger)**

[The position of the renal pelvic axis in the infant (author's transl)] Funke PJ, et al. **Urologe [A]** 14(5):225–8, Sep 75 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Proceedings: Differential diagnosis of cerebellopontine angle lesions by vertebral angiography. Symon L, et al. **J Neurol Neurosurg Psychiatry** 38(8):826, Aug 75

The value of aortography in demonstrating spinal metastases from renal cell carcinoma prior to neurological localization. Fritzsche P, et al. **J Urol** 114(6):839–42, Dec 75

Editorial: The vertebral venous system. Hussey HH. **JAMA** 235(23k0):2524, 7 Jun 76

Batson's theory of vertebral venous metastasis: a review. Onuigbo WI. **Oncology** 32(3–4):145–50, 1975

Vertebral venography in disc disorders. Mace BE. **Proc R Soc Med** 69(6):433–7, Jun 76

[The importance of the vertebral venous plexus for the occurrence of haematogenous metastases in malignant diseases of the head and neck (author's transl)] Scholtz HJ. **Laryngol Rhinol Otol (Stuttg)** 54(4):311–7, Apr 75 (Eng. Abstr.) **(Ger)**

[Spinal cord ischemia (syndrome of the sulcocommisural artery) after oral contraception for seven years (author's transl)] Suchenwirth RM. **Med Klin** 71(20):855–6, 14 May 76 (Eng. Abstr.) **(Ger)**

[Phlebography of lumbar spine area. Technique of investigations and anatomy (author's transl)] Boczoń S. **Pol Przegl Radiol** 40(3):171–6, May–Jun 76 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

The effect of glycine on bulbo–spinal vascular regulating systems. Kovalev GV, et al. **Agressologie** 16(5):279–88, 1975

Cyclic nucleotides in spinal cells. Krnjevic K, et al. **Can J Physiol Pharmacol** 54(03):416–21, Jun 76

EMBRYOLOGY

Stimulation of in vitro somite chondrogenesis by procollagen and collagen. Kosher RA, et al. **Nature** 258(5533):327–30, 27 Nov 75

[The effect of an L–proline analogue, L–azetidine–2–carboxylic acid, on the phenotypic differentiation of the somite mesenchyme of chick embryos] Strudel G. **C R Acad Sci [D] (Paris)** 280(8):1007–10, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Development of the skeleton in sheep and goat III. Osteogenesis of the spinal column] Rajtová V. **Gegenbaurs Morphol Jahrb** 120(3):356–66, 1974 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Growth of human intervertebral discs and vertebral bodies. Taylor JR. **J Anat** 120(1):49–68, Sep 75

[Scoliosis, metabolism and growth of the vertebral column (author's transl)] Neugebauer H. **Arch Orthop Unfallchir** 85(1):87–99, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Development of the spine in the lumbosacral region] Runge H, et al. **Beitr Orthop Traumatol** 23(1):19–29, Jan 76 **(Ger)**

[Sport with therapeutic gymnastic exercises as therapeutic measures for postural defects in adolescents] Sauer K. **Z Allgemeinmed** 51(13):616–7, 10 May 75 **(Ger)**

[Progress of untreated scoliosis following poliomyelitis up to the end of the growth–period (author's transl)] Heine J, et al. **Z Orthop** 113(5):876–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Predisposition to the round back in relation to the phases of growth] Iafusco F. **Pediatria (Napoli)** 83(4):646–61, 31 Dec 75 (Eng. Abstr.) **(Ita)**

INNERVATION

The effect of acute rise in intracranial pressure on the sympathetic cardiac, vertebral and phrenic nerve activities. Szulczyk P, et al. **Acta Physiol Pol** 27(1):1–8, Jan–Feb 76

Morphological and functional features of the innervation of the costovertebral joints. Wyke B. **Folia Morphol (Praha)** 23(4):296–305, 1975

PATHOLOGY

Viscoelastic behaviour of deformed spines under correction with halo pelvic distraction. Clark JA, et al. **Clin Orthop** (110):90–111, Jul–Aug 75

[Modification of the vertebral morphology in 26 paralysed children with isolated, precocious, pubic pilosity (author's transl)] Duval–Beaupere G, et al. **Ann Radiol (Paris)** 18(5):579–85, Jul 75 (Eng. Abstr.) **(Fre)**

[Etiological diagnosis of spondylitis. II. Vertebral puncture biopsy and surgical approach] Caroit M, et al. **Rev Rhum Mal Osteoartic** 42(3):153–9, Mar 75 (Eng. Abstr.) **(Fre)**

[Changes in the spine in congenital experimental scoliosis] Stetsula VI, et al. **Ortop Travmatol Protez** (11):34–9, Nov 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evidence for Ca2+–activated K+ conductance in cat spinal motoneurons from intracellular EGTA injections. Krnjevic K, et al. **Can J Physiol Pharmacol** 53(6):1214–8, Dec 75

The determination of an optimal pedal–operator relationship by the use of photogrammetry. pp. 290–317. Bullock ML. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.**

A distributed parameter model of the inertially loaded human spine. Cramer HJ, et al. **J Biomech** 9(3):115–30, 1976

Lesions of the nigro–neostriatal dopamine neurons or the bulbo–spinal norepinephrine and 5–hydroxytryptamine neurons in rats: action of drugs. Andén NE. **Pharmacol Ther [B]** 1(3):371–80, 1975 (51 ref.)

Functions of extrapyramidal systems in motor control. 1. supraspinal descending pathways. Bruggencate GT. **Pharmacol Ther [B]** 1(4):587–610, 1975 (178 ref.)

The intercostal muscles and conditioned reflexes in the control of spinal posture. Roaf R. **Proc R Soc Med** 69(3):177–8, Mar 76

A combined flexi–rule/hydrogoniometer for measurement of lumbar spine and its sagittal movement. Anderson JA, et al. **Rheumatol Rehabil** 14(3):173–9, Aug 75

Measurement of spinal mobility: a comparison of three methods. Reynolds PM. **Rheumatol Rehabil** 14(3):180–5, Aug 75

[Sports and the spine] Stofft E, et al. **Anat Anz** 137(4):369–80, 1975 (Eng. Abstr.) **(Ger)**

[Normal and morbid aging of the spine. Comprehensive review] Kaiser G. **Beitr Orthop Traumatol** 22(10):546–59, Oct 75 (44 ref.) **(Ger)**

[The pathogenesis of the spondylogenic reflex–syndrome (author's transl)] Waller U. **Praxis** 64(42):1346–50, 21 Oct 75 (Eng. Abstr.) **(Ger)**

[Measurements of active flexibility of human spines] Stofft E, et al. **Verh Anat Ges** 69:777–84, 1975 (Eng. Abstr.) **(Ger)**

[Asymetry and statodynamic function of the spine] Durianová J, et al. **Fysiatr Reumatol Vestn** 54(1):20–3, Feb 76 **(Slo)**

PHYSIOPATHOLOGY

Letter: Paraspinal EMG and carcinoma. LaBan MM, et al. **Arch Phys Med Rehabil** 56(10):459, Oct 75

[Secondary injury to the spine due to static insufficiency in thigh amputees (author's transl)] Roenick D. **Z Orthop** 114(3):327–30, Jun 76 (Eng. Abstr.) **(Ger)**

[Usefulness of electromyographic examinations of paravertebral muscles in patients with lumbosacral root compression syndrome] Kinalski R. **Neurol Neurochir Pol** 10(4):473–8, Jul–Aug 76 (Eng. Abstr.) **(Pol)**

[Spinal mobility in relation to the progression of ankylosing spondylitis] Filipowicz–Sosnowska A. **Reumatologia** 14(1):66–74, 1976 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Skeletal alterations following irradiation for Wilms' tumor: with particular reference to scoliosis and kyphosis. Riseborough EJ, et al. **J Bone Joint Surg [Am]** 58(4):526–36, Jun 76

RADIOGRAPHY

Kinematic analysis of posterior spinal fusions in pigs. Olsson TH, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):369–84, May 76

Radiographic stereoplotting. A new technique and its application to the study of the spine. Jacoby RK, et al. **Ann Rheum Dis** 35(2):168–70, Apr 76

Destructive vertebral lesions in ankylosing spondylitis. Frank P, et al. **Br J Radiol** 48(573):755–8, Sep 75

A case of cervico-thoracic anomaly simulating traumatic fracture-dislocation. Abel MS, et al. **Clin Orthop** (116):133–7, May 76

A biplane radiographic method of determining vertebral rotation in postmortem specimens. Matteri RE, et al. **Clin Orthop** (116):95–8, May 76

Kinematic analysis of spinal fusions. Olsson TH, et al. **Invest Radiol** 11(3):202–9, May–Jun 76

Spinal analysis using a three-dimensional radiographic technique. Brown RH, et al. **J Biomech** 9(6):355–65, 1976

Transverse axial tomography of the spinal column: a comparison of anatomical specimens with EMI scan appearances. Kreel L, et al. **Radiography** 42(496):73–80, Apr 76

Paraspinal muscle infarction. A painful complication of lumbar artery embolization associated with pathognomonic radiographic and laboratory findings. Doppman JL, et al. **Radiology** 119(3):609–13, Jun 76

Radiographic and pathologic features of spinal involvement in diffuse idiopathic skeletal hyperostosis (DISH). Resnick D, et al. **Radiology** 119(3):559–68, Jun 76

[Computer analysis of spinal measurements] Beck A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:402–3, 1975 **(Fre)**

[Laterography of the spine in lateral projection] Mazo IS. **Vestn Rentgenol Radiol** (5):79–80, Sep–Oct 75 **(Rus)**

SURGERY

Use of free fat transplants to prevent epidural scar formation. An experimental study. Kiviluoto O. **Acta Orthop Scand [Suppl]** (164):3–75, 1976

Division of the pyriformis muscle for the treatment of sciatica. Postlaminectomy syndrome and osteoarthritis of the spine. Mizuguchi T. **Arch Surg** 111(6):719–22, Jun 76

Proceedings: Clinical utilization of the evoked spinal cord action potential in spine and spinal cord surgery. Tamaki T, et al. **Electroencephalogr Clin Neurophysiol** 39(5):539, Nov 75

[Surgical correction of scoliosis. Technic of anterior correction of plate insertion] Pouliquen JC, et al. **Nouv Presse Med** 4(20):1489–91, 17 May 75 **(Fre)**

[Surgical reinforcement of the lumbosacral joint of the spine using spliting of the sacrospinal muscle—a new surgical method] Kaiser G. **Beitr Orthop Traumatol** 22(12):674–80, Dec 75 **(Ger)**

[Transversal loading system in addition to the Harrington instruments (author's transl)] Pellin B, et al. **Z Orthop** 113(5):880–6, Oct 75 (Eng. Abstr.) **(Ger)**

SPINOTHALAMIC TRACTS

ANATOMY & HISTOLOGY

Confirmation of the location of spinothalamic neurons in the cat and monkey by the retrograde transport of horseradish peroxidase. Trevino DL, et al. **Brain Res** 98(1):177–82, 7 Nov 75

PHYSIOLOGY

The role of the medial lemniscal and spinocervicothalamic pathways on tactile reactions in cats. Liu CN, et al. **Acta Neurobiol Exp (Warsz)** 35(2):149–57, 1975

Thalamic mechanisms that process a temporal pulse code for pain. Emmers R. **Brain Res** 103(3):425–41, 27 Feb 76

Reduction of the response of cat spinothalamic neurons to graded mechanical stimuli by electrical stimulation of the lower brain stem. McCreery DB, et al. **Brain Res** 97(1):151–6, 24 Oct 75

Some properties of spinal connections of the dorsal column nuclei that do not involve the dorsal columns. pp. 176–81. Dart AM, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Visual, auditory, and somatic interactions in the cuneate nucleus. pp. 115–21. Jabbur SJ, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Central processing of peripheral temperature information. pp. 78–93. Poulos DA.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Effects of dorsal column stimulation on primate spinothalamic tract neurons. Foreman RD, et al. **J Neurophysiol** 39(3):534–46, May 76

SPIPERONE see under **BUTYROPHENONES**

SPIRAL ORGAN see **ORGAN OF CORTI**

SPIRAMYCIN

Synthesis of D-forosamine, the 4-dimethylamino sugar from spiramycin. Dyong I, et al. **Angew Chem [Engl]** 15(5):302, May 76

PHARMACODYNAMICS

An electron-microscopic study on morphological changes of Staphylococcus aureus treated with spiramycin. Nakao M, et al. **J Antibiot (Tokyo)** 27(12):970–5, Dec 74

[Metronidazole and spiramycin, an original antimicrobial combination in odontostomatology] Videau D, et al. **Rev Stomatol Chir Maxillofac** 77(2):364–9, Mar 76 **(Fre)**

THERAPEUTIC USE

Treatment of gonorrhoea and non-gonococcal urethritis with spiramycin. Williams JG. **J R Nav Med Serv** 61(1):44–7, Spring 75

[Spiramycin in the treatment of acute male gonorrhoea (author's transl)] Klíma J. **Cesk Dermatol** 51(3):174–8, Jun 76 (Eng. Abstr.) **(Cze)**

[Prevention of congenital toxoplasmosis. Results at the maternity department of the Hôpital Saint-Antoine in 1972] Roux C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):557–69, Jun 75 (Eng. Abstr.) **(Fre)**

[Value of antibiotics in the treatment of chronic marginal periodontal diseases] Haimovici A, et al. **Rev Chir [Stomatol]** 22(1):31–4, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

SPIRILLACEAE

METABOLISM

Hydrogen-dependent organisms from the human gingival crevice resembling Vibrio succinogenes. Van Palenstein Helderman WH, et al. **Antonie van Leeuwenhoek** 42(1-2):107–18, 1976

Energy metabolism of Bdellovibrio bacteriovorus. II. P/O ratio and ATP pool turnover rate. Gadkari D, et al. **Arch Microbiol** 108(1):125–32, 3 May 76

PHYSIOLOGY

Alterations in the cell wall of Spirillum serpens VHL early in its association with Bdellovibrio bacteriovorus 109D. Snellen JE, et al. **Arch Microbiol** 108(1):55–64, 3 May 76

SPIRILLUM

Biology of the chemoheterotrophic spirilla. Krieg NR. **Bacteriol Rev** 40(1):55–115, Mar 76 (198 ref.)

ANALYSIS

Analysis of the cell wall and lipopolysaccharide of Spirillum serpens. Chester IR, et al. **J Bacteriol** 124(3):1168–76, Dec 75

ENZYMOLOGY

Membrane-bound respiratory of Spirillum itersonii. Dailey HA Jr. **J Bacteriol** 127(3):1286–91, Sep 76

Influence of dilution rate on enzymes of intermediary metabolism in two freshwater bacteria grown in continuous culture. Matin A, et al. **J Gen Microbiol** 94(2):323–32, Jun 76

GROWTH & DEVELOPMENT

Stimulatory effect of dihydroxyphenyl compounds on the aerotolerance of Spirillum volutans and Campylobacter fetus subspecies jejuni. Bowdre JH, et al. **Appl Environ Microbiol** 31(1):127–33, Jan 76

A chemically defined medium for Aquaspirillum aquaticum ATCC 11330. Kropinski AM. **Can J Microbiol** 21(11):1886–9, Nov 75

Factors affecting growth and nitrogen fixation of Spirillum lipoferum. Okon Y, et al. **J Bacteriol** 127(3):1248–54, Sep 76

ULTRASTRUCTURE

Alterations in the cell wall of Spirillum serpens VHL early in its association with Bdellovibrio bacteriovorus 109D. Snellen JE, et al. **Arch Microbiol** 108(1):55–64, 3 May 76

Superficial cell-wall layers on Spirillum 'Ordal' and their in vitro reassembly. Beveridge TJ, et al. **Can J Microbiol** 22(4):567–82, Apr 76

Surface arrays on the cell wall of Spirillum metamorphum. Beveridge TJ, et al. **J Bacteriol** 124(3):1529–44, Dec 75

Substructure and in vitro assembly of the outer, structured layer of Spirillum serpens. Buckmire FL, et al. **J Bacteriol** 125(1):290–9, Jan 76

Reassembly in vitro of the superficial cell wall components of Spirillum putridiconcyhylium. Beveridge TJ, et al. **J Ultrastruct Res** 55(1):105–18, Apr 76

SPIRITUALISM

The search for spiritual meaning. Dickinson SC. **Am J Nurs** 75(10):1789–94, Oct 75

Psychotherapeutic management of a potential spirit medium. Woon TH, et al. **Aust NZ J Psychiatry** 10(1A):125–8, Mar 76

The spiritualist: healer and co-therapist. A panel discussion. pp. 181–90.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish-Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

SPIRO COMPOUNDS

Automatic Monitoring of primary amines in preparative column effluents with fluorescamine. Böhlen P, et al. **Anal Biochem** 67(2):438–45, Aug 75

An automated method for the fluorescamine reaction using a peristaltic pump. Davidson E, et al. **Anal Biochem** 69(1):49–54, Nov 75

Rapid fluorescence labeling of living cells by fluorescamine. Puchinger H, et al. **Anal Biochem** 70(2):639–42, Feb 76

Evaluation of the fluorescamine test for monitoring completion of coupling on nitrochloromethylated resin. Smith JA. **Anal Biochem** 74(2):477–83, Aug 76

Fluorescamine as a reagent for location of proteins after electrophoresis in starch gel or on paper. Tata SJ, et al. **Anal Biochem** 70(2):495–8, Feb 76

Fluorometric determination of chlordiazepoxide in dosage forms and biological fluids with fluorescamine. Stewart JT, et al. **Anal Chem** 48(8):1182–5, Jul 76

The use of fluorescamine as a probe for labeling the outer surface of the plasma membrane. Hawkes SP, et al. **Biochem Biophys Res Commun** 68(4):1226–33, 23 Feb 76

Chiroptical properties of fluorescamine condensation compounds with alpha-amino acids in situ. Toome V, et al. **Biochem Biophys Res Commun** 69(1):206–11, 8 Mar 76

Chiroptical properties of fluorescamine condensation compounds with secondary amino acids in situ. Toome V, et al. **Biochem Biophys Res Commun** 71(2):598–602, 26 Jul 76

Fluorometry of plasma amino nitrogen, with use of fluorescamine. Klein B, et al. **Clin Chem** 22(4):413–6, Apr 76

The crystal and molecular structure of 12,13-dibromopseurotin. Weber HP, et al. **Helv Chim Acta** 59(1):137–40, 28 Jan 76

Derivatization of compounds at the origin of thin-layer plates with fluorescamine. Nakamura H, et al. **J Chromatogr** 121(1):33–40, 9 Jun 76

Detection of compounds with primary amino groups on thin-layer plates by dipping in a fluorescamine solution. Nakamura H, et al. **J Chromatogr** 121(1):79–81, 9 Jun 76

Cactus alkaloids. XXVII. Use of fluorescamine as a thin-layer chromatographic visualization reagent for alkaloids. Ranieri RL, et al. **J Chromatogr** 111(1):234–7, 20 Aug 75

Studies on fluorescamine: Part I—Applications of fluorescamine in forensic toxicological analysis. Nowicki HG. **J Forensic Sci** 21(1):154–62, Jan 76

Application of fluorescamine to the study of protein-DNA interactions. Bode J, et al. **Nucleic Acids Res** 2(10):1951–65, Oct 75

[Fluorimetric determination of trace concentrations of antibiotics containing amino groups by means of the new agent fluorescamine] Kušnír J, et al. **Cesk Farm** 24(6):253–5, Jul 75 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

The problem of post-psychotic schizophrenic depressions and their pharmacological induction. Long-term studies with fluspirilene and penfluridol and single-blind trial with fluphenazine-decanoate and flupenthixol-decanoate. Floru L, et al. **Int Pharmacopsychiatry** 10(4):230–9, 1975

ANALOGS & DERIVATIVES

[High pressure liquid chromatographic analysis of the catecholamines dopamine and norephinephrine as fluorescamine derivatives] Schwedt G. **J Chromatogr** 118(3) 7 Apr 76 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Potentiation of the estrogenic activity of stilbestrol by spiro (cyclohexane-1,2'-indan)-1',4-dione. Bailey DJ, et al. **J Med Chem** 19(3):438–9, Mar 76

Synthesis and antimineralocorticoid activities of some 7alpha-cyano and 7alpha-alkoxycarbonylamino steroidal spirolactones. Weier RM, et al. **J Med Chem** 19(7):975–7, Jul 76

Derivatives of 3, 3-spirobi-5-methyltetrahydrofuranone-2 as potential neurotropic agents. Part I. Wagner E, et al. **Pol J Pharmacol Pharm** 28(2):213–6, 1976

[Studies on isocarbostyril and related compounds. VII. Abnormal reaction of 2-methylhomophthalimide with diazomethane (author's transl)] Fujiwara Y, et al. **J Pharm Soc Jpn** 96(2):160–4, Feb 76 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Pseurotin, a new metabolite of Pseudeurotium ovalis Stolk having an unusual hetero-spirocyclic system. Bloch P, et al. **Helv Chim Acta** 59(1):133–7, 28 Jan 76

PHARMACODYNAMICS

The mechanism of action of spirolactones. Funder JW, et al. **Clin Exp Pharmacol Physiol** Suppl 2:99–101, 1975

[Combination of rating scales and handwriting test for

objective evaluation and quantifying neuroleptic effects. A double blind study with fluspirilene and penfluridol] pp. 273–8. Linden KJ, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. **(Ger)**

THERAPEUTIC USE

A clinical trial of a structurally unique neuroleptic (SU–23397). Angrist BM, et al. **Curr Ther Res** 18(2):359–63, Aug 75

A therapeutic study of an adamantane spiro compound in experimental influenza A infection in man. Arroyo M, et al. **J Antimicrob Chemother** 1(4 Suppl):87–93, Dec 75

Assessment of antipsychotic activity of an unique agent: SU–23397. Mielke EH, et al. **Psychopharmacol Commun** 1(2):117–22, 1975

[Long–term tranquilizers – an alternative in medical practice (author's transl)] Pach J, et al. **Arzneim Forsch** 26(6):1189–90, 1976 (Eng. Abstr.) **(Ger)**

[Decaspiride in the treatment of broncho–obstructive conditions] Marsico SA, et al. **Arch Monaldi** 30(1):67–77, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

SPIROCHAETA

ANALYSIS

The lipids of four unusual non–pathogenic host–associated spirochetes. Livermore BP, et al. **Can J Microbiol** 21(11):1877–80, Nov 75

Carotenoid pigments of facultatively anaerobic spirochetes. Greenberg EP, et al. **J Bacteriol** 123(3):1006–12, Sep 75

CLASSIFICATION

Morphology and physiology of Spirochaeta aurantia strains isolated from aquatic habitats. Breznak JA, et al.
Arch Microbiol 105(1):1–12, 30 Sep 75

Classification of non–pathogenic treponemes, Borrelia and Spirochaeta. pp. 121–31. Smibert RM.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b. (24 ref.)

ENZYMOLOGY

Direct transfer of the phosphoryl moiety of mannitol 1–phosphate to [14C]mannitol catalyzed by the enzyme II complexes of the phosphoenolpyruvate: mannitol phosphotransferase systems in Spirochaeta aurantia and Salmonella typhimurium. Saier MH Jr, et al.
J Biol Chem 251(12):3834–7, 25 Jun 76

ISOLATION & PURIFICATION

The distribution of spirochaetes in the gingival crevice of a Beagle dog. Soames JV, et al. **J Small Anim Pract** 15(8):529–33, Aug 74

[Immunological study of oral Spirochaeta with special reference to its localization in the gigival tissue and PCA activities] Sagawa H, et al. **Jpn J Bacteriol** 30(1):79, Jan 75 **(Jpn)**

ULTRASTRUCTURE

[The 'microfiber', the constituent of the outer membrane of Spirochaeta] Mibuchi K, et al. **Jpn J Bacteriol** 30(1):125, Jan 75 **(Jpn)**

[Formation of spherocytes of oral Spirochaeta and their characteristics] Umemoto T, et al. **Jpn J Bacteriol** 30(1):161, Jan 75 **(Jpn)**

[Ultrastructure of Spirochaeta anserinum] Delektorskiĭ VV, et al. **Veterinariia** (4):61–5, Apr 75 **(Rus)**

SPIROCHAETALES

[Spirochetes on the mucous membrane of the intestine] Voĭno–Iasenetskiĭ MV, et al. **Arkh Patol** 37(5):34–40, 1975 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Classification of spirochaetes in general and of the genus Leptospira in particular. pp. 95–106. Turner LH.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b. (30 ref.)

METABOLISM

Comparative spirochete physiology and cellular composition. pp. 39–48. Johnson RC.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.

PATHOGENICITY

The determinants of microbial pathogenicity in relation to spirochetal disease. pp. 235–47. Smith H.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b. (28 ref.)

PHYSIOLOGY

Possible formation and development of spirochaete attachment sites found on the surface of symbiotic polymastigote flagellates of the termite Reticulitermes flavipes. Smith HE, et al. **Biosystems** 7(3–4):374–9, Nov 75

How spirochetes may swim. Berg HC. **J Theor Biol** 56(2):269–73, Feb 76

ULTRASTRUCTURE

Some perspectives for thinking about spirochaetal structure. pp. 1–5. Murray RG.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.

SPIROCHETE INFECTIONS

OCCURRENCE

The epidemiology of the spirochetoses. A worldwide view. pp. 133–55. Willcox RR.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b. (62 ref.)

[Settlement tick–borne spirochetosis in the republics of Central Asia and the urgent problems in its prevention and elimination] Pospelova–Shtrom MV, et al.
Med Parazitol (Mosk) 45(3):303–9, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Conditions for maintaining a natural focus of tick–borne spirochetosis in southern Tadzhikistan] Vasil'vae IS, et al. **Parazitologiia** 10(1):67–71, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

VETERINARY

[Study of anemia in spirochetosis of poultry by means of radioactive iron] Stefanova MG, et al. **Vet Med Nauki** 12(6):20–7, 1975 (Eng. Abstr.) **(Bul)**

[Test of the effectiveness of tylan on spirochetosis in chickens] Stoimenov K, et al. **Vet Med Nauki** 12(4):62–8, 1975 (Eng. Abstr.) **(Bul)**

[Effect of roxarsone on the development of immunity in fowl spirochetosis] Dydymov IA, et al. **Veterinariia** (4):65–7, Apr 75 **(Rus)**

[Effectiveness of dibiomycin in fowl spirochetosis] Shkarin NV. **Veterinariia** (4):67–8, Apr 75 **(Rus)**

SPIROMETRY

Letter: The end–expiratory to arterial carbon dioxide tension ratio in acute pulmonary embolism. Warwick WJ. **Chest** 68(4):609–11, Oct 75

Positive screening spirometry and follow–up in a specified population. Stinson JM, et al. **J Natl Med Assoc** 68(1):26–7, Jan 76

Testing the function of the lungs. Stark JE. **Nurs Times** 71(37):1447–9, 11 Sep 75

Predominantly unilateral asthma studied with 133Xe–radiospirometry. Bülow KB, et al.
Scand J Respir Dis 56(4):223–30, 1975

Arterial to end–tidal CO2 difference in respiratory disease. Poppius H, et al. **Scand J Respir Dis** 56(5):254–62, 1975

[Respiration and spirometry in patients indicated for surgical treatment of ischemic heart disease] Jebavý P, et al.
Cas Lek Cesk 114(46):1419–26, 14 Nov 75 (Eng. Abstr.) **(Cze)**

[Letter: Spirographic evaluation of respiratory insufficiency in chronic obstructive bronchopneumopathies] Breant J, et al. **Nouv Presse Med** 5(12):794, 20 Mar 1976 **(Fre)**

[Pediatric spirometry as a prognostic test of adult obstructive bronchopneumopathy] Castello D, et al. **Poumon Coeur** 31(5):307–8, 1975 (Eng. Abstr.) **(Fre)**

[Ergospirometric studies in healthy school children] Oswald W, et al. **Aerztl Jugendkd** 66(2):132–43, Jun 75 **(Ger)**

[Viscosity and density fluctuations of natural respiratory gases and of mixtures of helium, oxygen and nitrogen due to temperature and composition of the gas mixture (author's transl)] Prestele K, et al. **Respiration** 33(2):150–62, 1976 (Eng. Abstr.) **(Ger)**

[Biochemical and cardio–respiratory evaluation of a group of athletes in various experimental conditions. II. Spirometric studies] Lombardi S, et al.
Boll Soc Ital Biol Sper 52(3):117–20, 15 Feb 76 **(Ita)**

[Proceedings: Expiration test using mercury manometry and circulatory function] Yusa K, et al. **J Physiol Soc Jpn** 36(8–9):409, 1 Sep 74 **(Jpn)**

[Exercise tolerance in healthy children evaluated by means spiroergometry in a closed system] Brański H, et al.
Pneumonol Pol 44(2):141–51, Feb 76 **(Pol)**

[Spirography and bronchospirography during artificial ventilation of the lungs] Rozenov VI. **Grudn Khir** (4):74–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Simplified method of mathematical analysis of certain indicators of rheographic and spirographic studies] Butenko AT. **Vrach Delo** (6):22, Jun 74 **(Rus)**

[Effect of bronchospirometry on the function of external respiration and hemodynamics of the lesser circulation] Butenko AT. **Vrach Delo** (12):68–71, Dec 75 (Eng. Abstr.) **(Rus)**

[Obstructive syndrome in spirographic findings] Kotevski L, et al. **God Zb Med Fak Skopje** 17:283–91, 1971 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Cromolyn and deep inspiration–induced bronchoconstriction. Messerli C, et al. **Pneumonologie** 153(1):73–80, 12 Dec 75

HISTORY

Abstract: John Hutchinson (1811–1861) Inventor of the Spirometer. Spriggs EA, et al. **Proc R Soc Med** 69(6):450, Jun 76

INSTRUMENTATION

Evaluation of a new spirometer based on a fluidistor technique. Hedenstierna G, et al.
Acta Anaesthesiol Scand 20(1):7–19, 1976

Mobile velocity–controlled respirometer: description and performance capabilities. Griffith ER, et al.
Arch Phys Med Rehabil 57(8):374–81, Aug 76

Clinical comparison of two electronic spirometers with a water–sealed spirometer. Shanks DE, et al. **Chest** 69(4):461–6, Apr 76

Evaluation of two spirometers: a comparative study of the Stead–Wells and the vitalograph spirometers. Wever AM, et al. **Chest** 70(2):244–50, Aug 76

The Spirostat: comparison with water–sealed spirometer. Gold MI, et al. **Crit Care Med** 3(4):155–8, Jul–Aug 75

An inexpensive flowmeter for use with a water bellows spirometer. Farmer FG. **Med Biol Eng** 12(6):873–4, Nov 74

A novel dry air seal with application for spirometry. Hyett AW, et al. **Med Biol Eng** 12(4):554–7, Jul 74

Assessment of a new 'dry' piston spirograph: the Eutest (Vicatest). Teculescu DB, et al.
Rev Roum Med [Med Intern] 13(2):153–8, 1975

New devices: the McDermott spirometer. Teculescu DB, et al. **Rev Roum Med [Med Intern]** 14(1):69–80, Jan–Mar 76

A system for processing by digital computer spirograms acquired in field surveys. Derrett CJ, et al. **Thorax** 30(6):674–1, Dec 75

[Letter: Electronic spirometers: progress or commerce?] Orehek J. **Nouv Presse Med** 5(4):216, 24 Jan 76 **(Fre)**

[Application of a new electronic digital spirometer] Knorpp K. **Pneumonologie** 152(1–3):157–64, 26 Sep 75 (Eng. Abstr.) **(Ger)**

[An electronic digital spirometer (author's transl)] Orth U, et al. **Prax Pneumol** 29(6):337–9, Jun 75 (Eng. Abstr.) **(Ger)**

[Electronical spirometers in clinical and practical use (author's transl)] Keller R. **Praxis** 63(43):1273–5, 29 Oct 74 **(Ger)**

[The clinical application and the evaluation of the electronic spirometer (Autospiro 700) (author's transl)] Yanai C, et al. **Jpn J Clin Pathol** 23(5):378–80, May 75 **(Jpn)**

METHODS

A simple technique for the determination of the ventilatory response to rising arterial CO2 tensions, suitable for patients with neurological disorders. Brandt L, et al.
Acta Anaesthesiol Scand [Suppl] :34–8, 1975

A sensitive five–breath N2 washout test of distribution of ventilation. Weygandt GR. **J Appl Physiol** 40(3):464–7, Mar 76

[Comparison of spirometric values obtained by the M403 analyzer and Fleisch' Spirotest] Bornand E, et al.
Soz Praeventivmed 20(1):25–7, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Functional scintigraphic radiospirometry. First clinical results in patients with lung diseases] Kampmann H, et al. **God Zb Med Fak Skopje** 124(5):406–11, May 76 (Eng. Abstr.) **(Ger)**

[Comparative spirometric studies using the Vitalograph Spirostat, and the Dargatz Repo–Test 502, under volumetry control] Diewitz M, et al. **Med Welt** 26(31–32):1400–2, 8 Aug 75 **(Ger)**

[Comparative measurements of forced vital capacity and of forced expiratory volume (1.0 sec) using the spirostat and spirography in children (author's transl)] von der Hardt H, et al. **Pneumonologie** 151(3):207–15, 1975 **(Ger)**

[Non–invasive tidal volume monitoring by impedance pneumography—correlation between respiratory delta Z and tidal volume] Ito A. **Jpn J Thorac Dis** 13(2):87–93, Feb 75 (Eng. Abstr.) **(Jpn)**

[Usefulness of the dynamic spirometric indices in the assessment of the provocation test in some types of bronchial asthma] Wąsek Z, et al. **Gruzlica** 43(10):905–9, Oct 75 (Eng. Abstr.) **(Pol)**

STANDARDS

A comparison of spirometric values with subjects in standing and sitting positions. Pierson DJ, et al. **Chest** 70(1):17–20, Jul 76

[Comparison of some methods of respiratory exploration in cases of chronic obstructive lung diseases (author's transl)] Guerrin F, et al. **Acta Tuberc Pneumol Belg** 66(1–2):177–88, Jan–Apr 75 (Eng. Abstr.) **(Fre)**

SPIRONOLACTONE

Negligible interference by spironolactone and prednisone in digoxin radioimmunoassay. Ravel R. **Clin Chem** 21(12):1801–3, Nov 75

Lack of effect of spironolactone on male genital development. Rose LI, et al. **Invest Urol** 13(2):95–6, Sep 75

[A case of primary aldosteronism associated with spironolactone inclusions (author's transl)] Sasaki J, et al.
J Jpn Soc Intern Med 64(6):558–64, 10 Jun 75 **(Jpn)**

ADMINISTRATION & DOSAGE

Effect of high dose spironolactone and chlorthalidone in essential hypertension: relation to plasma renin activity and plasma volume. Hunyor SN, et al. **Aust NZ J Med** 5(1):17–24, Feb 75

Changes of fractional renal clearance of magnesium after spironolactone administration in normal subjects. Mountokalakis T, et al. **Klin Wochenschr** 53(13):633–5, 1 Jul 75

ADVERSE EFFECTS

Letter: Breast cancer and spironolactone. Jick H, et al. **Lancet** 2(7930):368–9, 23 Aug 75

Spironolactone–associated aggravation of renal functional impairment. Neale TJ, et al. **NZ Med J** 83(559):147–9, 10 Mar 76

[Sexual side–effects of spironolactones. Possible mechanisms of their anti–androgen action] Corvol P, et al. **Nouv Presse Med** 5(11):691–4, 13 Mar 76 (Eng. Abstr.) **(Fre)**

[Letter: Management of hyperkalemia during necessary spironolactone administration] Lohmann FW. **Dtsch Med Wochenschr** 101(25):975, 18 Jun 76 **(Ger)**

[Metrorrhagia on aldadien with butocin administration] Daněková H, et al. **Cas Lek Cesk** 115(18):561–2, 7 May 76 (Eng. Abstr.) **(Slo)**

ANALOGS & DERIVATIVES

The effects of a spirolactone derivative on EEG and cortical single unit activity in the cat. Straschill M, et al. **Electroencephalogr Clin Neurophysiol** 39(5):473–7, Nov 75

ANALYSIS

Use of a simple fluorometric 11–hydroxycorticosteroids assay in the assessment of spironolactone–metabolite level in plasma and urine. Radó JP, et al. **Endokrinologie** 64(1):22–32, 1974 (Eng. Abstr.)

ANTAGONISTS & INHIBITORS

Failure of aspirin to antagonize the antihypertensive effect of spironolactone in low–renin hypertension. Hollifield JW. **South Med J** 69(8):1034–6, Aug 76

BLOOD

Interference of spironolactone in 11–doexycorticosterone radioassays. Tan SY, et al. **J Clin Endocrinol Metab** 41(4):791–2, Oct 75

METABOLISM

Spironolactone. III. Canrenone––maximum and minimum steady–state plasma levels. Karim A, et al. **Clin Pharmacol Ther** 19(2):177–82, Feb 76

Spironolactone. I. Disposition and metabolism. Karim A, et al. **Clin Pharmacol Ther** 19(2):158–69, Feb 76

Spironolactone. II. Bioavailability. Karim A, et al. **Clin Pharmacol Ther** 19(2):170–6, Feb 76

Spironolactone metabolism in man studied by gas chromatography–mass spectrometry. Karim A, et al. **Drug Metab Dispos** 3(6):467–78, Nov–Dec 75

Electron microscopic studies on various types of inclusions found in autopsy cases. Part IV. Further observations on fine structures of spironolactone inclusion bodies. Yamashita K, et al. **Med J Osaka Univ** 25(3–4):141–52, Mar 75

PHARMACODYNAMICS

Agonist and antimineralocorticoid activities of spirolactones. Sakauye C, et al. **Am J Physiol** 231(1):93–7, Jul 76

Aldactazide–induced consummatory and operant responding to sodium by rats. Wilson CS, et al. **Am J Psychol** 88(3):377–84, Sep 75

Spironolactone and cytochrome P–450: impairment of steroid 21–hydroxylation in the adrenal cortex. Menard RH, et al. **Arch Biochem Biophys** 173(2):395–402, Apr 76

Relative potency of prorenoate and spironolactone in normal man. Ramsay L, et al. **Clin Pharmacol Ther** 18(4):391–400, Oct 75

Spironolactone and potassium canrenoate in normal man. Ramsay L, et al. **Clin Pharmacol Ther** 20(2):167–77, Aug 76

Interaction of spironolactone and digitalis with the 5 alpha–dihydrotestosterone (DHT) receptor of rat ventral prostate. Pita JC Jr, et al. **Endocrinology** 97(6):1521–7, Dec 75

The influence of spironolactone on the excretion of 203Hg2+ in rats. Cikrt M, et al. **Environ Res** 10(3):427–33, Dec 75

The effect of spironolactone on transport of Na+, K+ and H+. A microperfusion study in rat main submaxillary duct. Knauf H. **Eur J Clin Invest** 6(1):17–20, 30 Jan 76

Comment on spironolactone inhibition of C19–steroids. pp. 844–5. Siiteri P.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Spironolactone–induced suppression of plasma testosterone, androstenedione, and dehydroepiandrosterone in orchiectomized men with carcinoma of the prostate. pp. 846–9. Walsh PC, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Primary aldosteronism: the effects of spironolactone upon adrenal function and morphology. pp. 359–82. Conn JW, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Influence of metolazone, hydrochlorothiazide and spironolactone on potassium balance in hypertensive patients. pp. 171–80. Lanzoni V, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Double–blind crossover study of propranolol and spironolactone in hypertension and plasma renin measurements in relation to therapeutic effects. pp. 265–84. Stokes GS, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Effects of spironolactone and hydrochlorothiazide on blood pressure and plasma renin activity in hypertension. pp. 481–93. Weinberger MH, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Effect of spironolactone on sex hormones in man Stripp B, et al. **J Clin Endocrinol Metab** 41(4):777–81, Oct 75

Comparison of protective effects of ethylestrenol, norbolethone, and spironolactone against lethality from acute doses of parathion and paraoxon in female rats. Robinson CP, et al. **J Pharm Sci** 65(4):595–6, Apr 76

Stimulation by aldosterone of the sodium efflux in barnacle muscle fibres: effects of RNA inhibitors and spironolactone. Bittar EE, et al. **J Physiol (Lond)** 250(2):331–46, Sep 75

Screening for anti–hormones by receptor studies. Raynaud JP, et al. **J Steroid Biochem** 6(5):615–22, May 75

Suppression of plasma androgens by spironolactone in castrated men with carcinoma of the prostate. Walsh PC, et al. **J Urol** 114(2):254–6, Aug 75

Letter: Effect of spironolactone on blood bile–acid levels. Feher T, et al. **Lancet** 2(7975):51, 3 Jul 76

Effects of pretreatment with spironolactone of pharmacokinetics of 4'''–methyldigoxin in man. Abshagen U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):87–92, 14 Jan 76

Influence of spironolactone and other steroids on the plasma level of digitoxin. Solymoss B, et al. **Recent Adv Stud Cardiac Struct Metab** 1:605–11, 1972

Effect of spironolactone on the distribution of mercury. Klaassen CD. **Toxicol Appl Pharmacol** 33(2):366–75, Aug 75

[Relation between the pressure response to spironolactone and or propranolol and the arterial hypertension pattern] Chiarini C, et al. **Minerva Nefrol** 21(4):334–9, Jul–Aug 74 **(Ita)**

THERAPEUTIC USE

Intrapatient comparison of treatment with chlorthalidone, spironolactone and propranolol in normoreninemic essential hypertension. Drayer JI, et al. **Am J Cardiol** 36(5):716–21, 31 Oct 75

Controlled treatment of primary hypertension with propranolol and spironolactone. A crossover study with special reference to initial plasma renin activity. Karlberg BE, et al. **Am J Cardiol** 37(4):642–9, 31 Mar 76

Spironolactone in essential hypertension: evidence against its effect through mineralocorticoid antagonism. Hoffbrand BI, et al. **Br Med J** 1(6011):682–4, 20 Mar 76

Renin concentrations and effects of propranolol and spironolactone in patients with hypertension. Karlberg BE, et al. **Br Med J** 1(6004):251–4, 31 Jan 76

A comparative study of spironolactone and hydroflumethiazide alone and together in the treatment of hypertension. Jamil MA. **Guys Hosp Rep** 120(3):207–19, 1971

Paradoxical reversal of the suppressed potassium secretion during treatment with combinations of antikaluretic agents (spironolactone, canrenone, triamterene, amiloride); a possible site of action in Henle's loop. Radó JP, et al. **Horm Metab Res** 8(3):250–1, May 76

Spironolactone therapy in primary aldosteronism: diagnostic and therapeutic implications. pp. 383–92. Ganguly A, et al.
In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.

Protection by spironolactone and different antidotes against acute organic mercury poisoning of rats. Lehotzky K. **Int Arch Arbeitsmed** 33(4):329–34, 1974

Letter: Diuretic therapy in infants and children. Danks DM. **J Pediatr** 88(4):695–6, Apr 76

Spironolactone, a reassessment. **Med Lett Drugs Ther** 17(21):86–7, 10 Oct 75

Letter: Cortisol levels. Reddy J, et al. **NZ Med J** 83(556):57–8, 28 Jan 76

[Antialdosterone therapy] Corvol P, et al. **Sem Hop Ther** 51(10):547–8, Dec 75 **(Fre)**

[Treatment of resistant ascites in cirrhotic patients] Aronoff A, et al. **Union Med Can** 103(12):2081–9, Dec 74 (Eng. Abstr.) **(Fre)**

[Clinical experience in the use of Osyrol 100 and Osyrol for injection (author's transl)] Gorbach HC, et al. **Munch Med Wochenschr** 117(37):1483–6, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Influencing postoperative water–electrolyte imbalance with spironolactone (verospirone)] Merrem B, et al. **Zentralbl Neurochir** 35(3):193–9, 1974 (Eng. Abstr.) **(Ger)**

[Effects of spironolactone and hydrochlorothiazide on blood pressure levels and blood potassium. Controlled studies on hypertensive patients] Ambrosioni E, et al. **G Clin Med** 55(11):782–97, Nov 74 (Eng. Abstr.) **(Ita)**

[Spironolactone in essential hypertension. Controlled study on the dose–response relationship] Orabona ML, et al. **Minerva Cardioangiol** 23(12):866–70, Dec 75 (Eng. Abstr.) **(Ita)**

[Use of a new water–soluble aldosterone–antagonist in surgery. Early clinical results] Nahum M, et al. **Minerva Med** 67(19):1263–75, 21 Apr 76 (Eng. Abstr.) **(Ita)**

[Use of verospiron in chronic nonspecific lung diseases] Komarov FI, et al. **Ter Arkh** 47(3):121–5, 1975 (Eng. Abstr.) **(Rus)**

[Double–blind therapeutic trial of spironolactone in arterial hypertension] Chávez–Domínguez R, et al. **Arch Inst Cardiol Mex** 45(4):487–94, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

SPIROPLASMA

Virus–like particles in Spiroplasma citri. pp. 125–32. Cole RM, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Transmission of Spiroplasma citri to plants. pp. 201–6. Markham PG, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Ocular pathology induced by the suckling mouse cataract agent. Friedlaender RP, et al. **Invest Ophthalmol** 15(8):640–7, Aug 76

ANALYSIS

Lipid composition and lipid metabolism of Spiroplasma citri. Freeman BA, et al. **J Bacteriol** 125(3):946–54, Mar 76

CLASSIFICATION

Taxonomy of the class Mollicutes. pp. 13–8. Edward DG.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Taxonomy and host relationships of mycoplasmas. pp. 19–25. Freundt EA.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

[Spiroplasma citri: a mollicute] pp. 35–41. Bebear C, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974. (Eng. Abstr.) **(Fre)**

[Spiroplasma citri: type species of spiroplasmas] pp. 27–34. Saglio P, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974. (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

In vitro anti–mycoplasmal activity of amphotericin B methyl ester. Goldstein NI, et al. **J Antibiot (Tokyo)** 29(6):656–61, Jun 76

GROWTH & DEVELOPMENT

The pathogenicity of Spiroplasma citri. pp. 195–200. Daniels MJ, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Developments in mycoplasma nutrition. pp. 79–85. Rodwell AW.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Relationship of infection and pathogenicity in the infection of insects by wall–free prokaryotes. pp. 275–82. Whitcomb RF, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

ISOLATION & PURIFICATION

Studies on citrus stubborn disease and its agent. pp. 181–6. Calavan EC, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Spiroplasmas: studies on the microorganism associated with corn stunt disease. pp. 187–93. Davis RE, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Helical, wall–free prokaryotes in Drosophila, leafhoppers and plants. pp. 283–90. Williamson DL, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Suckling mouse cataract agent is a helical wall–free

prokaryote (spiroplasma) pathogenic for vertebrates. Tully JG, et al. **Nature** 259(5539):117–20, 15 Jan 76

METABOLISM

Arginine metabolism by spiroplasma citri. Townsend R. **J Gen Microbiol** 94(2):417–20, Jun 76

SPIROSTANS

Letter: Stereospecific conversion of diosgenin to alpha-ecdysone. Lee E, et al. **J Am Chem Soc** 98(6):1634–5, 17 Mar 76

ADMINISTRATION & DOSAGE

[Clinical experience with JO 475 suppositories] Nora J, et al. **Med Chir Dig** 4(1):67–9, 1975 **(Fre)**

ANALYSIS

Steroids and an artifact from Dioscorea deltoidea tissue cultures. Marshall JG, et al. **Lloydia** 39(1):84–5, Jan–Feb 76

A titrimetric determination of solasodine for aqueous incubates of Solanum fruits. Hardman R, et al. **Planta Med** 29(1):66–71, Feb 76

Chromatographic detection and spectrophotometric determination of diosgenin and other delta5-sapogenins in crude plant extracts. Sofowora EA, et al. **Planta Med** 26(4):385–90, Dec 74

BIOSYNTHESIS

Diosgenin biosynthesis by tuber–callus tissue cultures of Dioscorea deltoidea. Chaturvedi HC, et al. **Lloydia** 39(1):82–3, Jan–Feb 76

CHEMICAL SYNTHESIS

Synthesis of 3-beta-glycosides of diosegenin, yamogenin and gitogenin. Sofowora EA, et al. **Lloydia** 39(2–3):141–3, Mar–Jun 76

ISOLATION & PURIFICATION

An improved column-chromatographic quantitative isolation of diosgenin and yamogenin from plant crude extracts prior to their determination by infrared spectrophotometry. Jefferies TM, et al. **Analyst** 101(1199):122–4, Feb 76

Structures of three new steroidal sapogenins from Dioscorea prazeri. Rajaraman K, et al. **J Chem Soc [Perkin I]** (16):1560–1609, 1975

Steroids and sapogenins tissue cultures of Dioscorea deltoidea. Stohs SJ, et al. **Planta Med** 28(2):101–5, Oct 75

[Steroid glycosides from the leaves of Agava americana L] Lazur'evskiĭ GV, et al. **Dokl Akad Nauk SSSR** 224(6):1442–4, 21 Oct 75 **(Rus)**

[Use of enzymic preparations during diosgenine isolation from Dioscorea caucasica Lipsky] Rumyantseva GN, et al. **Prikl Biokhim Mikrobiol** 11(4):554–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of solasodine on the body temperature. Kulcsár-Gergely J. **Arzneim Forsch** 26(1):55–7, 1976

Spina bifida, exencephaly, and cranial bleb produced in hamsters by the solanum alkaloid solasodine. Keeler RF, et al. **Res Commun Chem Pathol Pharmacol** 13(4):723–30, Apr 76

THERAPEUTIC USE

[Ruscorectal in the anorectal symptom complex, especially in hemorrhoids] Cleres-Kaiser I. **Munch Med Wochenschr** 118(11):339–40, 12 Mar 76 **(Ger)**

SPIRUROIDEA

Preliminary report on the transmission of Parafilaria bovicola in South Africa. Nevill EM. **Onderstepoort J Vet Res** 42(1):41–8, Mar 75

Canine spirocercosis-cause of fatal haemorrhage in an Alsatian dog. Bannor TT. **Vet Rec** 41(15):302, 10 Apr 76

[Presence of Thelazia sp. in Quebec in the horse and the cow] Fréchette JL, et al. **Can Vet J** 17(4):114, Apr 76 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

[Helminths of birds and of mammals of Israel. V. New or little known Spirurides] Quentin JC, et al. **Ann Parasitol Hum Comp** 50(1):63–85, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Rhabdochona minima sp. n. (Nematoda: Spiruroidea) from the loach, Noemacheilus inglisi (Hora), of Nepal. Moravec F, et al. **Folia Parasitol (Praha)** 23(2):175–8, 1976

[New nematodes of the genus Trichospirura Smith and Chitwood, 1967, in Malaysia. Remarks on the evolution of the family Rhabdochonidae (author's transl)] Chabaud AG, et al. **Ann Parasitol Hum Comp** 50(6):813–20, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Nematodes of the genus Spirura, parasites of Tupaia and Nycticebus in Malaysia (author's transl)] Quentin JC, et al. **Ann Parasitol Hum Comp** 50(6):795–812, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Development of female Gnathostoma spinigerum to morphological maturity in experimental mice. Daengsvang S. **Southeast Asian J Trop Med Public Health** 6(2):285–6, Jun 75

[Description and life history of Tetrameres (Tetrameres) cardinalis sp. n (author's transl)] Quentin JC, et al. **Ann Parasitol Hum Comp** 51(1):65–81, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Occurrence of the eyeworm, Thelazia lacrymalis, in horses in Kentucky. Lyons ET, et al. **J Parasitol** 61(6):1122–4, Dec 75

Two eyeworms, Thelazia gulosa and Thelazia skrjabini, in cattle in Kentucky. Lyons ET, et al. **J Parasitol** 61(6):1119–22, Dec 75

SPITZER MENTAL STATUS SCHEDULE see under **PSYCHIATRIC STATUS RATING SCALES**

SPLANCHNIC NERVES

Postoperative hepatic blood flow and its relation to systemic circulation and blood gases during splanchnic blockade and fentanyl analgesia. Wiklund L. **Acta Anaesthesiol Scand [Suppl]** (58):5–28, 1975

[Strangulated ileus with and without suprapleural novocaine blockade] Frolova AI. **Eksp Khir Anesteziol** (1):39–43, 1976 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of beta adrenergic blockade on renin response to renal nerve stimulation. Taher MS, et al. **J Clin Invest** 57(2):459–65, Feb 76

[Metabolism of the splanchnic region as influenced by fructose] Dietze G, et al. **Infusionstherapie** 1(7):525–5, Oct 74 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Isoenzymes of soluble and membrane-bound acetylcholinesterase in boine splanchnic nerve and adrenal medulla. Chubb IW, et al. **Proc R Soc Lond [Biol]** 191(1103):245–61, 18 Nov 75

A possible structural basis for the extracellular release of acetylcholinesterase. Somogyi P, et al. **Proc R Soc Lond [Biol]** 191(1103):271–83, 18 Nov 75

GROWTH & DEVELOPMENT

Sympatho-adrenal development in perinatally addicted rats. Slotkin TA, et al. **Addict Dis** 2(1–2):293–306, 1975

METABOLISM

Effects of abdominal surgery under general anaesthesia and of postoperative analgesic therapy on splanchnic exchange of some blood borne energy metabolites. Wiklund L, et al. **Acta Anaesthesiol Scand [Suppl]** (58):41–58, 1975

Splanchnic oxygen uptake in relation to systemic oxygen uptake during postoperative splanchnic blockade and postoperative fentanyl analgesia. Wiklund L. **Acta Anaesthesiol Scand [Suppl]** (58):29–40, 1975

PHYSIOLOGY

Responses of abdominal vascular capacitance to stimulation of splachnic nerves. Karim F, et al. **Am J Physiol** 231(2):434–40, Aug 76

Direct neural inhibition of insulin secretion in response to systemic hypoglycemia. Miller RE, et al. **Am J Physiol** 230(4):1090–4, Apr 76

Sympathetic nervous control of cat ileocecal sphincter. Pahlin PE, et al. **Am J Physiol** 231(2):296–305, Aug 76

Dorsal root reflex response in sympathetic nerves. Miyamoto JK. **Brain Res** 111(1):172–80, 23 Jul 76

Supraspinal participation in the inhibitory effect of acupuncture on viscero-somatic reflex discharges. Shen E, et al. **Chin Med J [Engl]** 1(6):431–40, Nov 75

Effects of nerve sectioning and drugs on the catecholamine content in the spleen of the cod, Gadus morhua. Abrahamsson T, et al. **Comp Biochem Physiol [C]** 51(2):231–3, 1 Aug 75

The splanchnic nerve supply to the stomach of the trout, Salmo trutta and S. gairdneri. Campbell G, et al. **Comp Biochem Physiol [C]** 55(1):51–3, 1976

Serotonin and the effects of rhythmic stimulation of the splanchnic nerve in the frog. Niechaj A, et al. **Folia Biol (Krakow)** 23(3):211–22, 1975

Dissociation between denervation natriuresis and renin production during furosemide saluresis. p. 145. Bencsáth P, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Some actions and interactions of visceral and somatic afferents in the thoracic spinal cord. pp. 227–38. Weber WV. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

The spatial distribution of climbing fibre suppression of Purkinje cell activity. pp. 247–59. Rubia FJ, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

Increased synthesis of dopamine in the rat adrenals during forced swimming and splanchnic nerve stimulation. pp. 387–93. Poggioli J, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

Neuronally-induced vasodilator response in the splanchnic region of the chloralosed cat. Hamilton TC. **J Pharm Pharmacol** 27(11):878–80, Nov 75

The release of pancreatic glucagon and inhibition of insulin in response to stimulation of the sympathetic innervation. Bloom SR, et al. **J Physiol (Lond)** 253(1):157–73, Dec 75

Mechanosensitive afferent units in the hypogastric nerve of the cat. Floyd K, et al. **J Physiol (Lond)** 259(2):457–71, Jul 76

Proceedings: Mechanism of neural regulation of blood circulation. Ninomiya I, et al. **J Physiol Soc Jpn** 36(8–9):384, 1 Sep 74

Warm receptors in the dorsal abdominal wall of the rabbit. Riedel W. **Pfluegers Arch** 361(2):205–6, 30 Jan 76

[Electrophysiological and histological study of splanchnic afferent fibers] Ranieri F, et al. **Arch Ital Biol** 113(4):354–73, Dec 75 **(Fre)**

[Preliminary data on the origin of splanchnic nerve afferent fibers with respiratory influence] Garnier L, et al. **C R Soc Biol (Paris)** 169(1):99–104, 1975 (Eng. Abstr.) **(Fre)**

[Respiratory effects of electric stimulation of pancreatic afferents in lightly anesthetized cats] Garnier L, et al. **C R Soc Biol (Paris)** 169(4):1001–6, 1975 (Eng. Abstr.) **(Fre)**

[Changes in the electrical activity of the rabbit proximal colon in vivo by stimulation of the vagus and splanchnic nerves] Julé Y. **J Physiol (Paris)** 70(1):5–26, May 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Electric activity of the gastric motility center of the medulla oblongata and its relation to reflex control by the splanchnic nerves] Fujii I, et al. **J Physiol Soc Jpn** 36(8–9):289, 1 Sep 74 **(Jpn)**

[Proceedings: Atropine resistant promotion of gastric motility] Senba T, et al. **J Physiol Soc Jpn** 36(8–9):289, 1 Sep 74 **(Jpn)**

[Proceedings: Central mechanism in regulatory reflex of gastric movement with splanchnic nerves as its efferent route] Fujii K, et al. **Jpn Arch Intern Med** 11(4):220–2, Dec 75 **(Jpn)**

[Role of the splanchnic nerves in regulating maximal glucose transport in the kidneys] Mavrin MI. **Biull Eksp Biol Med** 82(7):778–80, Jul 76 (Eng. Abstr.) **(Rus)**

[Afferent activity in sympathetic nerve fibers of the stomach and its secretory activity] Bagaev VA, et al. **Fiziol Zh SSSR** 62(4):594–602, Apr 76 (Eng. Abstr.) **(Rus)**

[Reflection of visceral signals in the impulse activity of the caudate nucleus] Lobanova LB, et al. **Fiziol Zh SSSR** 62(2):189–95, Feb 76 (Eng. Abstr.) **(Rus)**

[Reactions of the neurons of the anterior and posterior regions of the hypothalamus to light stimulation and stimulation of the splanchnic and sciatic nerves] Baklavadzhian OG, et al. **Neirofiziologiia** 8(3):276–82, 1976 (Eng. Abstr.) **(Rus)**

[Effect of a novocaine block of the splanchnic nerves and sympathetic trunks on the clinical course of acute pancreatitis] Akmatov AA. **Zdravookhr Kirg** (6):32–6, Nov-Dec 75 **(Rus)**

PHYSIOPATHOLOGY

[The visceral vascular bladder reflex in cerebral lesions] Timmermans L. **J Urol Nephrol (Paris)** 80(12 pt 2):229–37, Dec 74 **(Fre)**

SECRETION

Release of acetylcholinesterase into the perfusate from the ox adrenal gland. Chubb IW, et al. **Proc R Soc Lond [Biol]** 191(1103):263–9, 18 Nov 75

SURGERY

[Indications and site for splanchnicectomy in pancreatic surgery] Baev S. **Khirurgiia (Sofiia)** 28(4):333–6, 1975 (Eng. Abstr.) **(Bul)**

ULTRASTRUCTURE

[Light- and electron microscopy studies on the nervous network in the gastric mucosa and their relations to the border and mast cells] Stach W, et al. **Dtsch Z Verdau Stoffwechselkr** 35(5):205–18, 1975 **(Ger)**

SPLANCHNOPTOSIS see **VISCEROPTOSIS**

SPLEEN

Parameters of liver spleen scans as an indication of portal hypertension. Davis G, et al. **Am J Gastroenterol** 65(1):31–6, Jan 76

The Edinburgh spleen: source of a validated Kveim-Siltzbach test material. Douglas AC, et al. **Ann NY Acad Sci** 278:670–80, 1976

Ectopic pelvic spleen. Hatfield PM, et al. **Arch Surg** 111(5):603–5, May 76

The subcellular localization of the erythrostimulant factors

present in the kidney and spleen of the rabbit. Giovannini E, et al. **Br J Haematol** 29(1):129–35, Jan 75

Maintenance of mouse spleen in organ culture and assessment of certain functional capabilities. Willerson JT, et al. **Cytologia (Tokyo)** 40(2):433–40, Jun 75

Preliminary purification and dosages of the erythropoietic factor from ox-spleen. de Franciscis P, et al. **Experientia** 31(10):1221–3, 15 Oct 75

The spleen–lung interface as diagnostic information. DeLuca SA, et al. **J Nucl Med** 16(9):822–4, Sep 75

Abnormal spleen scan following MOPP therapy in a patient with Hodgkin's disease: case report. Dickerman JD, et al. **J Nucl Med** 16(6):457–8, Jun 75

Encasement of the spleen: case report. Johnson PM, et al. **J Nucl Med** 16(8):718–9, Aug 75

Phagocytic capability of the kidney: a possible mechanism for renal uptake of colloid in liver–spleen scanning. Mikhael MA, et al. **J Nucl Med** 16(8):709–12, Aug 75

Letter: Splenic accumulation of 99mTc–diphosphonate. Winter PF. **J Nucl Med** 17(9):850, Sep 76

Reversed liver–spleen ratio and the normal liver–spleen scintigram. Harvey WC, et al. **J Reticuloendothel Soc** 19(1):19–27, Jan 76

Ultrasonic attenuation in human tissue. Chivers RC, et al. **Ultrasound Med Biol** 2(1):25–9, Oct 75

[Organotypic culture of rodent spleens in perfusion chamber] pp. 27–32. Goube de Laborest P, et al. **In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975.** **(Fre)**

[On the efficacy of a spleenic dialysate (M 40,412) in disturbed potency (author's transl)] Jovanović UJ. **Arzneim Forsch** 26(3):457–62, 1976 (Eng. Abstr.) **(Ger)**

[Tissue specific inhibition of lymphocyte proliferation by spleen extract (lymphocyte chalone) (author's transl)] Heidemann E, et al. **Klin Wochenschr** 54(5):221–6, 1 Mar 76 (Eng. Abstr.) **(Ger)**

[Administration of stroma-free hemoglobin solution for extracoporeal perfusion of canine spleen] Schier J, et al. **Pol Przegl Chir** 48(7):867–75, Jul 76 (Eng. Abstr.) **(Pol)**

[Changes in the cutaneous–inflammatory response of guinea pigs under the influence of splenin] Barenboĭm AM, et al. **Biull Eksp Biol Med** 82(7):801–3, Jul 76 **(Rus)**

[Effect of splenin on protein-synthetising function of the liver during treatment of experimental tuberculosis with large doses of isoniazid] Afrikanov II, et al. **Probl Tuberk** (7):74–8, 1975 (Eng. Abstr.) **(Rus)**

[Saving of the spleen in resection of the left-side portion of the pancreas] Apakova SA, et al. **Vestn Khir** 115(8):32–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Obtaining viable cell cultures from lymphoid tissue] Pozdniakov AA, et al. **Veterinariia** (7):37–9, Jul 75 **(Rus)**

[Effect of splenin on the prothrombin level in the blood] Barenboĭm AM, et al. **Fiziol Zh** 22(3):417–9, MAR–APR 76 **(Ukr)**

[The effect of splenin on bile secretion and its chemical composition in dogs] Oliĭnyk BV, et al. **Fiziol Zh** 20(6):763–7, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

[The effect of splenin on the DNA-ase activity of the urine and several tissues of intact and irradiated animals] Shevchenko OV, et al. **Fiziol Zh** 20(6):759–62, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

ABNORMALITIES

Splenunculectomy in recurrent thrombocytopenia. Spero JA, et al. **Acta Haematol (Basel)** 55(6):354–7, 1976

Recurrent thrombocytopenic purpura associated with accessory spleen. Hann IM, et al. **Arch Dis Child** 51(2):154–6, Feb 76

Polysplenia syndrome with skeletal and central nervous system anomalies. Pantke OA, et al. **Birth Defects** 11(2):252–63, 1975

Syndromes of asplenia and polysplenia. A review of cardiac and non-cardiac malformations in 60 cases withspecial reference to diagnosis and prognosis. Rose V, et al. **Br Heart J** 37(8):840–52, Aug 75

Polysplenia. Baert AL, et al. **Br J Radiol** 48(570):496–8, Jun 75

Splenic–gonadal fusion. Pendse AK, et al. **Br J Surg** 62(8):624–8, Aug 75

Splenogonadal fusion. Tsingoglou S, et al. **Br J Surg** 63(4):297–8, Apr 76 (19 ref.)

Asplenia syndrome—a study of cardiac anomalies in 10 cases. Durairaj M, et al. **Indian Pediatr** 13(3):237–41, Mar 76

An unusual association of congenital anomalies. Gupte S, et al. **Indian Pediatr** 13(2):151–2, Feb 76

Hereditary asplenic–athymic mice: transplantation of human myelogenous leukemic cells. Lozzio BB, et al. **J Exp Med** 143(1):225–31, 1 Jan 76

Wandering spleen in the child: a case study. Caterine JM, et al. **J Iowa Med Soc** 66(1):20–3, Jan 76

Splenogonadal fusion–a rare congenital anomaly demonstrated by 99Tc–sulfur colloid imaging: case report. Guarin U, et al. **J Nucl Med** 16(10):922–4, Oct 75

Letter: Fusion of the adrenal glands in association with asplenia. Coen FW, et al. **J Pediatr** 88(1):152–3, Jan 76

Splenic torsion and accessory spleen: a scintigraphic demonstration. Broker FH, et al. **J Pediatr Surg** 10(6):913–5, Dec 75

Successful total repair of complicated cardiac anomalies with asplenia syndrome. Ando F, et al. **J Thorac Cardiovasc Surg** 72(1):33–8, Jul 76

Cor biloculare with polysplenia. A case report. Rojhan MS. **JPMA** 25(12):345–7, Dec 75

Cor biloculare with polysplenia. A case report. Rojhan MS. **JPMA** 25(12):345–7, Dec 75

Hereditary hyposplenia in an adult and immunological implications. Case report. Straus MJ, et al. **Mo Med** 73(2):78–80, 84, Feb 76

Polysplenia associated with a congenital diaphragmatic defect. Majeski JA, et al. **South Med J** 68(10):1263–5, Oct 75

Polysplenic syndrome in association with a rudimentary spleen. Majeski JA, et al. **South Med J** 69(3):378–80, Mar 76

The surgical and hematologic significance of accessory spleens. Appel MF, et al. **Surg Gynecol Obstet** 143(2):191–2, Aug 76

The asplenia syndrome. Presentation of a case with severe cardiovascular abnormalities and unusual longevity. Estevez JM, et al. **Va Med Mon** 102(8):627–33, Aug 75

Splenic–gonadal fusion in the horse. Noakes DE, et al. **Vet Rec** 98(19):382–3, 8 May 76

[Exceptional retroperitoneal tumor. Ectopic spleen] Ducassou J, et al. **J Urol Nephrol (Paris)** 81(7–8):630–6, Jul–Aug 75 (28 ref.) **(Fre)**

[An obscure 'tumor' in the phrenicocostal sinus] Mockenhaupt J. **Munch Med Wochenschr** 118(14):439–40, 2 Apr 76 **(Ger)**

[Polysplenia syndrome (author's transl)] Damjanov I, et al. **Zentralbl Allg Pathol** 119(4):268–71, 1975 (Eng. Abstr.) **(Ger)**

[Levocardia with spleen inversion, but without atrial transposition (author's transl)] Porciello PI, et al. **G Ital Cardiol** 5(4):581–4, 1975 (Eng. Abstr.) **(Ita)**

[Accessory spleen in the scrotum] Dradi M, et al. **Pathologica** 67(973–974):503–12, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Polysplenia syndrome. Report of a case] Atik E, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(3):217–21, May–Jun 75 (Eng. Abstr.) **(Por)**

[Splenic and intestinal ectopia in a child] Atamanov IuA, et al. **Vestn Khir** 115(12):70, Dec 75 **(Rus)**

ANALYSIS

Carbohydrate composition of horse spleen ferritin. Shinjyo S, et al. **Biochim Biophys Acta** 411(1):165–7, 10 Nov 75

Comparison of three procedures for isolating human ferritin, for use as a standard in an immunoradiometric assay. Gonyea LM, et al. **Clin Chem** 22(4):513–8, Apr 76

Preparative isolation of cerebrosides (galactosyl and glucosyl ceramide). Radin NS. **J Lipid Res** 17(3):290–3, May 76

Tissue levels of prostaglandin E following heterotopic rat heart allografting. Jaffe BM, et al. **Surgery** 78(4):481–4, Oct 75

[Tissue specificity of microelement binding with DNA in vivo] Andronikashvili EL, et al. **Dokl Akad Nauk SSSR** 227(5):1244–6, 11 Apr 76 **(Rus)**

ANATOMY & HISTOLOGY

The effect of salivary gland extracts on the histology of lymphoid organs and salivary glands in mice. de Lange GL. **Arch Oral Biol** 20(8):515–20, Aug 75

Prediction of human spleen size by computer analysis of splenic scintigrams. Roberts JG, et al. **Br J Radiol** 49(578):151–5, Feb 76

Letter: Aging in vertebrates: allometric considerations of spleen size and lifespan. Calder WA 3d. **Fed Proc** 35(2):96–8, Feb 76

Changes in spleen histology in response to antigenic stimulation in the snapping turtle, Chelydra serpentina. Borysenko M. **J Morphol** 149(2):224–41, Jun 76

Letter: Correlation between the stage of Hodgkin's disease and the weight of the spleen. Keinan Z, et al. **N Engl J Med** 292(3):160, 16 Jan 75

Letter: Correlation between the stage of Hodgkin's disease and the weight of the spleen. Keinan Z, et al. **N Engl J Med** 292(3):160, 16 Jan 75

[The spleen of the cervidae (Gray, 1821). Quantitative-morphological studies on the spleens of stags (Cervus elaphus, L.1785) and of deers (Capreolus capreolus, L. 1758)] Hartwig H, et al. **Gegenbaurs Morphol Jahrb** 121(6):669–97, 1975 (Eng. Abstr.) **(Ger)**

[Determination of spleen size by roentgenographic and nuclear medicine methods (author's transl)] Anger K, et al. **Radiologe** 16(4):135–9, Apr 76 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

The origin of the follicular capillaries in the human spleen. Snook T. **Am J Anat** 144(1):113–7, Sep 75

Proceedings: Intrasplenic microcirculation and pressure–independent blood flow through the closed circulation in the spleen of rabbits and rats. Vaupel P, et al. **Arzneim Forsch** 25(10):1669, Oct 75

Effect of rigid spherocytes on regional hepatic and splenic blood flow in rabbits. Wendling P, et al. **Bibl Anat** 13:115–6, 1975

The microvasculature of the spleen. Ayers AB, et al. **Clin Radiol** 27(2):259–64, Apr 76

Haematopoiesis in the spleen of lethally irradiated mice 9, 12, 16 and 20 days after the transplantation of homologous bone marrow cells. Viktora L, et al. **Folia Morphol (Praha)** 23(1):14–8, 1975

Arteriographically confirmed focal defect in colloid spleen scan with no gross pathologic lession: case report. Russell CD, et al. **J Nucl Med** 17(5):376–7, May 76

Electron microscopy of the splenic circulation in the chicken. Fukuta K, et al. **Jpn J Vet Sci** 38(03):241–54, Jun 76

Splenic arteriovenous fistula with ascites. Miller CH 3d, et al. **Wis Med J** 74(9):95–8, Sep 75

[Arteriovenous aneurysm of the spleen] Bonneville B, et al. **Med Chir Dig** 4(2):85–93, 1975 (Eng. Abstr.) **(Fre)**

[Scintigraphic findings in splenic vein thrombosis] Biersack HJ, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):127–30, Feb 75 (Eng. Abstr.) **(Ger)**

[The collateral circulation in the chronic occlusion of the splenic artery] Stolze T, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):386–7, Apr 76 **(Ger)**

[Parameters for the detection of blood flow and erythrosequestering functional capacity of the spleen without consideration of scintigraphy (author's transl] Franke WG. **Radiobiol Radiother (Berl)** 17(1):149–56, 1976 (Eng. Abstr.) **(Ger)**

[Ultrastructure and ultrahistochemistry of Schweigger–Seidel's splenic capillary sheaths in the swine] Schlüns J, et al. **Verh Anat Ges** 68:529–38, 1974 **(Ger)**

[Arteriovenous shunts in congestive splenomegaly] Busachi C, et al. **Boll Soc Ital Biol Sper** 51(18):1120–5, 30 Sep 75 **(Ita)**

[Functional state of the spleen in conditions of craniocerebral hypothermia] Penner ShD. **Biull Eksp Biol Med** 81(5):525–8, May 76 (Eng. Abstr.) **(Rus)**

[Correlation between changes in the efferent impulsation in the splenic nerve and reflex responses in the resistance and capacitance vessels of the spleen] Tkachenko BI, et al. **Fiziol Zh SSSR** 61(4):585–92, Apr 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Enhancing effect of radioresistant spleen cells on the primary immune response against sheep RBC by mouse spleen cells in vitro. Lubbe FH, et al. **Adv Exp Med Biol** 66:295–9, 1976

The recovery of the B cell compartment in lethally irradiated and reconstituted mice. Rozing J, et al. **Adv Exp Med Biol** 66:203–8, 1976

The differentiation of T lymphocytes. Density characterisation of thymic and peripheral T cells responding in syngeneic and allogenic mixed lymphocyte reactions. von Boehmer H, et al. **Aust J Exp Biol Med Sci** 53(4):281–95, Aug 75

Effect of multiple injections of allogeneic spleen cells on methylcholanthrene carcinogenesis in the mouse. Oth D, et al. **Biomedicine [Express]** 23(1):17–9, 10 Feb 75

Erythropoietic events in cultured embryonic mouse spleen. Bessler H, et al. **Blood** 48(3):419–24, Sep 76

Influence of L–asparaginase on spleen colony formation in mice. Wlodarski K, et al. **Bull Acad Pol Sci [Biol]** 24(7):437–9, 1976

Resolution of a factor that enhances the antibody response of T cell–depleted murine splenocytes from several other monocyte products. Wood DD, et al. **Cell Immunol** 21(1):88–96, Jan 76

Age dependence of the number of the stem cells in haemopoietic tissues of rats. Vacek A, et al. **Cell Tissue Kinet** 9(1):1–8, Jan 76

Comparison of in vitro and in vivo cell cycle parameters of lymphoid cells in pig spleens. Pabst R, et al. **Cell Tissue Res** 165(2):227–37, 26 Jan 76

The surface properties of spleen cells from CBA/lac mice following freezing and freeze–drying using polyvinylpyrrolidone. Thomas D, et al. **Cryobiology** 13(2):191–200, Apr 76

Effect of cortisol on the release and retention of labelled DNA in the thymus and spleen of mice. Suciu D, et al. **Endokrinologie** 67(2):192–7, Jun 76

Effects of adriamycin and daunomycin on spleen cell populations in normal and tumor allografted mice. Mantovani A, et al. **Eur J Cancer** 12(5):381–7, May 76

Differences in chromatin thermal lability between thymic and splenic lymphocytes in intact and adrenalectomized rats detected by acridine orange microfluorometry. Alvarez MR, et al. **Exp Cell Res** 100(2):329–36, Jul 76

Mitogenicity of thrombin and surface alterations on mouse splenocytes. Chen LB, et al. **Exp Cell Res** 101(1):41–6, Aug 76

Thymic influence of proliferation and interaction of fractionated spleen cells of mice. Paljak–Blaži M, et al. **Exp Hematol** 4(3):180–5, May 76

Block in G1 phase of spleen cells stimulated in vitro with phytohemagglutinin induced by caffeine. Myśliwska J, et al. **Folia Morphol (Warsz)** 34(2):151–6, 1975

Ultrastructure and function of the ellipsoids of the spleen. Their relationship with fat metabolism and red blood cells. Dustin P. **Haematologica (Pavia)** 60(2):136–55, Jun 75

Cells responding to erythropoietin in vitro: studies of physical and cell cycle characteristics and competition for expression. pp. 151–63. Mitchell BS, et al. **In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.**

Proceedings: Selective suppression of spleen B lymphocytes following treatment with Escherichia coli lipoproteinpolysaccharide–containing adjuvants. Mugraby L, et al. **Isr J Med Sci** 11(12):1383–4, Dec 75

Transient erythropoietic spleen colonies: effects of

erythropoietin in normal and genetically anemic W/Wv mice. Gregory CJ, et al. **J Cell Physiol** 86(1):1–8, Aug 75

The relationship between ellipsoids and melano-macrophage centres in the spleen of turbot (Scophthalmus maximus). Ferguson HW. **J Comp Pathol** 86(3):377–80, Jul 76

Frequency and avidity of specific antigen-binding cells in developing mice. D'Eustachio P, et al. **J Exp Med** 142(5):1078–91, 1 Nov 75

Recruitment of effector lymphocytes by initiator lymphocytes. Recruited lymphocytes are immunospecific and include graft-versus-host-reactive lymphocytes. Livnat S, et al. **J Immunol** 117(2):614–9, Aug 76

Mitogen induction of murine C-type viruses. I. Analysis of lymphoid cell subpopulations. Schumann G, et al. **J Immunol** 116(4):1145–50, Apr 76

Histochemical staining in lymphocyte suspensions complexed with beta-galactosidase as an antigen. Unspecific staining of spleen cells by indigo. Dankwarth L, et al. **J Immunol Methods** 10(2–3):127–32, Mar 76

Changes in the migration patterns of spleen and lymph node cells associated with thymectomy and aging. Gillete RW. **J Reticuloendothel Soc** 18(3):204–8, Sep 75

Increase in splenic macrophage precursor cells and its relation to a decrease in inhibitor acitivity. Pluznik DH, et al. **J Reticuloendothel Soc** 18(3):160–6, Sep 75

Age-related changes in ConA- and LPS-induced lymphocyte transformation. I. Effect of culture conditions on mitogen responses of blood and spleen lymphocytes from young and aged rats. Kruisbeek AM. **Mech Ageing Dev** 5(2):125–38, Mar-Apr 76

Alkaline phosphatase positive lymphocytes (APPL) in the thymus, spleen, and lymph nodes of R rats and C3H mice and their biological significance. Repciuc E, et al. **Morphol Embryol (Bucur)** 22(2):139–41, Apr-Jun 76

Transplantation of bursal stem cells into cyclophosphamide-treated chicks. Lymphoid repopulation of splenic structures. Sorvari TE, et al. **Scand J Immunol** 5(4):317–21, 1976

The human splenic suppressor cell. Sampson D, et al. **Transplantation** 20(5):362–7, Nov 75

Histological and autoradiographical findings in the immunologically stimulated spleen. Helpap B, et al. **Virchows Archiv [Cell Pathol]** 19(3):269–79, 21 Nov 75

Histometric analysis of the chicken spleen during primary immune response to soluble bovine serum albumin. II. Mathematical-histometric method for the assessment of quantitative changes of thymus-type and bursa-type lymphocytes. Fehér G, et al. **Z Immunitaetsforsch** 143(3):245–51, May 72

Histometric analysis of the chicken spleen during primary immune response to soluble bovine serum albumin. III. Effect of antigen dose on proliferation of immunologically competent cells using optimal and large quantities of antigen. Nagy ZA, et al. **Z Immunitaetsforsch** 143(4):323–32, May 72

Histometric analysis of the chicken spleen during primary immune response to soluble bovine serum albumin. I. Relationship between quantitative changes of thymus-type and bursa-type splenic lymphocytes and splenomegaly. Nagy ZA, et al. **Z Immunitaetsforsch** 143(3):223–44, May 72

Antigen trapping and lymphoid cell retention in spleen follicles: a comparative study on the localization in mouse spleen of 131I-HGG-anti-HGG and 3H-labelled spleen cells from syngeneic donor mice preinjected with HGG-anti-HGG. van Rooijen N. **Z Immunitaetsforsch** 147(1):44–52, May 74

T- and B-areas in immune reactions. Volume changes in T and B cell compartments of the rat spleen following intravenous administration of a thymus-dependent (SRBC) and a thymus-independent (paratyphoid vaccin-endotoxin) antigen. A histometric study. Veerman AJ, et al. **Z Immunitaetsforsch** 151(3):202–18, Apr 76

[Early effect of cortisol on the in vitro binding activity of rat spleen polyribosomes] Angelov Ts, et al. **Eksp Med Morfol** 17(4):214–8, 1975 (Eng. Abstr.) **(Bul)**

[Comparison of topographical locations of reticular cells with 5'-nucleotidase activity in spleen white pulp and lymph nodes in man and rat] Catayée G, et al. **C R Soc Biol (Paris)** 169(1):118–20, 1975 (Eng. Abstr.) **(Fre)**

[Results of organotypic culture of rodent spleens] pp. 33–5. Goube de Laforest P, et al. **In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975. (Fre)**

[Pathogenesis of neural lesions in Marek's disease. II. Transmission of neural lesions by spleen cells from ill donors (author's transl)] Hoffmann-Fezer G, et al. **Z Immunitaetsforsch** 150(4):300–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Culture in vitro (agar and millipore diffusion chambers) of leukemic hemopoietic tissue: analysis of a case of chronic myeloid leukemia (CML)] Bagnara GP, et al. **Boll Soc Ital Biol Sper** 51(5):283–8, 15 Mar 75 **(Ita)**

[Cultures in agar in the study of chronic myeloid leukemia (CML): analysis of splenic and medullary colony forming cells (CFC)] Brunelli MA, et al. **Boll Soc Ital Biol Sper** 51(15-16):1007–12, 30 Aug 75 **(Ita)**

[Lymph node and spleen morphology in gnotobiotic rats] Khlystova Zs. **Biull Eksp Biol Med** 81(5):619–21, May 76 (Eng. Abstr.) **(Rus)**

[Content and proliferative activity of granulocyte and macrophage cell-precursors in mice] Kondratenko NF. **Biull Eksp Biol Med** 79(5):100–2, May 75 (Eng. Abstr.) **(Rus)**

[The radiosensitivity and direction of differentiation of splenic colony forming cells] Shvets VN. **Biull Eksp Biol Med** 81(1):74–6, Jan 76 (Eng. Abstr.) **(Rus)**

[RNA biosynthesis in the microsomes of splenic cells during the inductive phase of the immunological response] Perelygin NL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):29–33, May 75 (Eng. Abstr.) **(Rus)**

[Nucleolar physiology VI. Cytochemistry of nucleolar vacuoles. Recent findings contributing to its better knowledge] González-Ramírez J. **Bol Estud Med Biol** 28(4):121–40, Oct 73 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The stimulatory effects of diethylstilbestrol and diethylstilbestrol diphosphate on the reticuloendothelial cells of the rat spleen. Steven WM, et al. **Am J Anat** 144(3):339–59, Nov 75

Alterations of liver and spleen following intravenous infusion of fluorocarbon emulsions. Rosenblum WI, et al. **Arch Pathol Lab Med** 100(4):213–7, Apr 76

In vitro stimulation of spleen cell cultures by poly I: poly C and levamisole. Woods WA, et al. **Cell Immunol** 14(2):327–31, Nov 74

Influence of adrenaline on the dissemination of antibody-producing cells from the spleen. Ernström U, et al. **Clin Exp Immunol** 21(1):131–40, Jul 75

Corticosteroid-like effect of cyproterone and cyproterone acetate in mice. Broulik PD, et al. **Experientia** 31(11):1364–5, 15 Nov 75

The in vitro effect of adrenergic agents and related compounds on triglyceride levels of guinea-pig lymphoid cells. Kigoshi S, et al. **Experientia** 32(2):243–4, 15 Feb 76

Autoantibody formation against spleen in rats 'chemically splenectomized' by ethyl palmitate. Sebestík V, et al. **Experientia** 32(4):519–20, 15 Apr 76

The effect of dried thyroid gland pretreatment upon survival, formation of endogenous spleen colonies and differentiation of haemopoietic cell populations in x-irradiated mice. Pospíšil M, et al. **Folia Biol (Praha)** 21(4):270–9, 1975

Medium calcium and the contraction of the dog spleen strip induced by noradrenaline, acetylcholine, isoproterenol, and barium. Takano S. **Fukushima J Med Sci** 21(1–2):31–40, Mar 75

Effects of dexamethasone on viscera and post natal development of neonatal rats. Jain KK. **Indian J Pediatr** 42(334):326–8, Nov 75

Cellular changes in the bursa of fabricius and spleen of cyclophosphamide-treated ducks. Sugimura M, et al. **J Reticuloendothel Soc** 19(4):201–10, Apr 76

Decreased spleen size and increased neutrophils in patients with Felty syndrome. Effects of gold sodium thiomalate therapy. Hurd ER, et al. **JAMA** 235(20):2215–7, 17 May 76

Periodate-induced increase in cyclic GMP in mouse and guinea pig splenic cells in association with mitogenesis. Haddox MK, et al. **Nature** 262(5564):146–8, 8 Jul 76

Ethyl palmitate-induced 'experimental splenectomy' in wistar rats. Sebestík V, et al. **Physiol Bohemoslov** 24(6):573–4, 1975

The effects of ergot compounds on the release of noradrenaline and prostaglandins from the isolated perfused cat spleen during nerve stimulation. Salzmann r, et al. **Postgrad Med J** 52suppl 1:24–31, 1976

Effects of delta-9-tetrahydrocannabinol on mouse spleens. Lefkowitz SS, et al. **Res Commun Chem Pathol Pharmacol** 11(4):659–62, Aug 75

[Splenectomy by ethylpalmitate in Wistar rats] Jirásek A, et al. **Cesk Patol** 11(3):147–52, Aug 75 (Eng. Abstr.) **(Cze)**

[Changes induced with cyclophosphamide in the lympho-reticular elements with specific enzymatic activities of the splenic white pulp in rats and guinea-pigs] Catayee G, et al. **Bull Assoc Anat (Nancy)** 59(165):377–82, Jun 75 (Eng. Abstr.) **(Fre)**

[Responses of mouse spleen cells to PHA and to Con A. Effect of the concentration of cells and mitogen in a culture micromethod] Franceschi C, et al. **Boll Soc Ital Biol Sper** 52(7–8):510–6, 30 Apr 76 **(Ita)**

[Histological changes of the splenic lymphatic tissue and mesenteric lymph nodes in mice treated with hydrocortisone with special reference to quantitative morphological analysis of the splenic lymphatic tissue Kazunobu S, et al. **Acta Anat Nippon** 50(4):169–85, 1 Aug 75 (Eng. Abstr.) **(Jpn)**

[The comparison of the contactive reactivity of the isolates spleen of a rabbit, rat and guinea pig to sympathycomimetic substances (author's transl)] Lozowski SZ. **Ann Univ Mariae Curie Sklodowska [Med]** 29:27–34, 1974 (Eng. Abstr.) **(Pol)**

[Mechanism of action of benzene on hematopoiesis (a study of hematopoietic stem cells)] Frash VN, et al. **Biull Eksp Biol Med** 82(7):797–9, Jul 76 (Eng. Abstr.) **(Rus)**

[Influence of acute and chronic poisoning with dichloroethylene on the kinetics of antibody-forming cells and the plasmocytic reaction in the spleen of rats in immunization with the O-antigen of Sal. typhi] Shmuter LM. **Farmakol Toksikol** 39(1):104–8, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Histologic changes in the lymph nodes, lungs, liver and spleen following experimental lymphography by means of iophendylate] Sviridov NK, et al. **Farmakol Toksikol** 39(1):82–6, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of 7 days of administration of prednisolone and methandrostenolone on the incorporation of glycine-1-c14 into liver, thymus and splenic proteins] Sychev EA, et al. **Farmakol Toksikol** 38(2):214–6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Study of some mechanisms of the effect of phytohemagglutinin and antilymphocyte serum on the hematopoietic and lymphoid tissue] Golovanova TA, et al. **Probl Gematol Pereliv Krovi** 20(12):40–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Lymphocyte blast transformation in the mouse spleen under the influence of a low-molecular humoral thymus factor in vitro] Malyzhev VA, et al. **Tsitologiia** 17(9):1062–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of a bacterial immunodepressant on the cell composition of the peripheral blood and parenchymatous organs of mice] Kirpatovskiĭ ID, et al. **Vestn Akad Med Nauk SSSR** (12):13–6, 1975 (Eng. Abstr.) **(Rus)**

[Pharmacological action of a new benzimidazole derivative. I. Action on the reticuloendothelial system] Fernández C, et al. **Rev Clin Esp** 141(1):51–6, 15 Apr 76 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Development of lymphocyte populations in the human foetal thymus and spleen. Hayward AR, et al. **Clin Exp Immunol** 17(1):169–78, May 74

Development of lymphocyte populations in the human foetal thymus and spleen. Hayward AR, et al. **Clin Exp Immunol** 17(1):169–78, May 74

[Spleen enhancement reactions in chick embryo after homografting adult chicken spleen fragments: changes in spleen cell population in relation to rate of spleen enhancement] Gérard H, et al. **C R Soc Biol (Paris)** 169(5):1310–5, 1975 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Histidine decarboxylase activity in trauma-resistant rats. Reichard SM, et al. **Am J Physiol** 230(6):1577–81, Jun 76

Specific spectrophotometric assays for cathepsin B1. Bajkowski AS, et al. **Anal Biochem** 68(1):119–27, Sep 75

Isolation and characterization of canine spleen alkaline phosphatase. Calam RR, et al. **Anal Biochem** 71(2):426–35, Apr 76

Activation of residual acidic alpha-mannosidase activity in mannosidosis tissues by metal ions. Hultberg B, et al. **Biochem Biophys Res Commun** 67(4):1473–9, 15 Dec 75

Bovine spleen cathepsin B1 and collagenolytic cathepsin. A comparative study of the properties of the two enzymes in the degradation of native collagen. Etherington DJ. **Biochem J** 153(2):199–209, 1 Feb 76

The purification and properties of pig spleen phosphofructokinase. Hickman PE, et al. **Biochem J** 151(2):327–36, Nov 75

Human cathepsin G. Catalytic and immunological properties. Starkey PM, et al. **Biochem J** 155(2):273–8, 1 May 76

Human lysosomal elastase. Catalytic and immunological properties. Starkey PM, et al. **Biochem J** 155(2):265–71, 1 May 76

Neutral proteinases of human spleen. Purification and criteria for homogeneity of elastase and cathepsin G. Starkey PM, et al. **Biochem J** 155(2):255–63, 1 May 76

The subcellular distribution of adenylate and guanylate cyclases in murine lymphoid cells. Watson J, et al. **Biochemistry** 15(7):1527–34, 6 Apr 76

Effects of detergents and choline-containing phospholipids on human spleen glucocerebrosidase. Blonder E, et al. **Biochim Biophys Acta** 431(1):45–53, 22 Apr 76

Polyribosome profiles and ribonuclease activity in spleens of normal and anaemic mice. Poels LG. **Biochim Biophys Acta** 432(2):245–53, 3 May 76

A kinetic analysis of the dephosphorylation, by bovine spleen phosphoprotein phosphatase (EC 3.1.3.16) of a phosphopeptide derived from beta-casein. West DW, et al. **Biochim Biophys Acta** 438(1):169–75, 7 Jun 76

Effects of prostaglandins and catecholamines on rat spleen adenylate cyclase in vitro. Wincek TJ, et al. **Biochim Biophys Acta** 437(2):571–6, 21 Jul 76

Inhibition of spleen acid phosphomonoesterase B by hydroxycarboxylic acids. Chersi A, et al. **Biochimie** 57(8):973–4, 1975

Glycoprotein biosynthesis in spienic cells. IV. Subcellular localization of glycosyl - transferases. Richard M, et al. **Biochimie** 56(10):1381–5, 1974

Two forms of thymidine kinase in normal and tumor tissues of animals. Ohash IM, et al. **Cancer Res** 36(7 PT 1):2216–22, Jul 76

Comparative histochemical and electron microscopic studies of the sinus and venous walls of the human spleen with special reference to the sinus-venous connections. Heusermann U, et al. **Cell Tissue Res** 163(4):519–33, 19 Nov 75

Studies of intracellular distribution of acid phosphatase 5 in the spleen cells of leukemic reticuloendotheliosis by isopycnic gradient centrifugation. Lam KW, et al. **Clin Chim Acta** 70(2):289–95, 15 Jul 76

Isoelectric focusing patterns of several acid phosphohydrolases of beef, pig and human spleen. Hodes

ME, et al. **Comp Biochem Physiol [B]** 54(1):155–61, 1976

Calf–spleen nicotinamide––adenine dinucleotide glycohydrolase. Solubilization purification and properties of the enzyme. Schuber F, et al. **Eur J Biochem** 65(1):247–55, 17 May 76

Glycoprotein biosynthesis in splenic cells. Purification of a microsomal galactosyl–transferase. Martin A, et al. **Experientia** 32(7):844–6, 1976

New evidence for cell surface galactosyltransferase. Cacan R, et al. **FEBS Lett** 63(1):102–6, 15 Mar 76

Changes of enzyme activities in spleen lymphocytes from tumor–bearing rats. Saijo N, et al. **Gann** 66(3):253–7, Jun 75

Ultrastructural cytochemical evidence for the activation of lysosomes in the cytocidal effect of Chlamydia psittaci. Todd WJ, et al. **Infect Immun** 12(3):638–46, Sep 75

Proceedings: Some properties of human spleen glucocerebroside–beta–glucosidase. Blonder E, et al. **Isr J Med Sci** 11(11):1216, Nov 75

Pyruvate kinase isozymes in various tissues of rat, and increase of spleen–type pyruvate kinase in liver by injecting chromatins from spleen and tumor. Muroya N, et al. **J Biochem (Tokyo)** 79(1):203–15, Jan 76

Effect of cobalt on heme biosynthesis in rat liver and spleen. Nakamura M, et al. **J Biochem (Tokyo)** 78(2):373–80, Aug 75

Purification and properties of cathepsin D from porcine spleen. Cunningham M, et al. **J Biol Chem** 251(15):4528–36, 10 Aug 76

Sequential activation of splenic nuclear RNA polymerases by erythropoietin. Piantadosi CA, et al. **J Clin Invest** 57(1):20–6, Jan 76

Ribonucleic acid–dependent ribonucleic acid polymerase in the immune response. Saito K, et al. **Jpn J Microbiol** 19(6):433–9, Dec 75

Viral stimulation of choline phosphotransferase in spleen microsomes. Hoffman DR, et al. **Lipids** 10(12):829–34, Dec 75

Mechanism of daunorubicin inhibition of hog spleen acid deoxyribonuclease. Barthelemy–Clavey V, et al. **Mol Pharmacol** 11(5):640–6, Sep 75

Differentiation of beta–glucocerebrosidase from beta–glucosidase in human tissues using sodium taurocholate. Peters SP, et al. **Nahrung** 20(1):569–82, 1976

The presence of terminal deoxynucleotidyl transferase in the N–methyl–N–nitrosourea induced leukaemia in BDF1 mice and its effect on the accuracy of the DNA polymerases. Saffhill R, et al. **Nucleic Acids Res** 3(1):277–84, Jan 76

Purification of RNA–instructed DNA polymerase from human leukemic spleens. Witkin SS, et al. **Proc Natl Acad Sci USA** 72(10):4133–6, Oct 75

Desoxyribonuclease activity in the serum and spleen of rats with mycoplasma induced arthritis. Vincze S, et al. **Z Rheumatol** 34(1–2):49–54, Jan–Feb 75

[The method of demonstrating phenoloxidase] Schmidt H, et al. **Acta Histochem (Jena)** 53(2):306–14, 1975 (Eng. Abstr.) **(Ger)**

[On the endogenous peroxidase in the spleen of swine (author's transl)] Schlüns J, et al. **Histochemistry** 48(3):219–32, 25 Aug 76 (Eng. Abstr.) **(Ger)**

[Acid phosphatase in the spleen of bacteria–free and conventional rats] Horn J, et al. **Z Versuchstierkd** 17(5–6):247–55, 1975 (Eng. Abstr.) **(Ger)**

[Changes in some enzyme activities of the rat brain, muscle and spleen after administration of 5–HT. II.] Brizzi G, et al. **Boll Soc Ital Biol Sper** 50(23–24):2042–5, 30 Dec 74 **(Ita)**

[Correlation between the age of mice and the activity of adenosine deaminase in their organs] Gajewski AK, et al. **Rocz Panstw Zakl Hig** 27(1):99–103, 1976 **(Pol)**

[Activity and distribution of desoxyribonuclease in the liver and spleen of animals in the dynamics of acute radiation sickness and following treatment with transplanted bone marrow] Koval' AI, et al. **Radiobiologiia** 15(4):516–20, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[DNA–dependent RNA polymerase in the organs of irradiated animals. 5. Physicochemical changes in the enzyme molecules] Likhoded VS, et al. **Radiobiologiia** 15(3):423–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[DNA–dependent RNA–polymerase of the organs of irradiated animals. Report 6. Role of enzyme changes in disturbance of the process of transcription] Likhoded VS, et al. **Radiobiologiia** 15(5):741–4, Sep–Oct 75 (21 ref.) (Eng. Abstr.) **(Rus)**

[Effect of irradiation and some sulfur containing compounds on 3':5'–cyclic AMP–phosphodiesterase activity of the tissue homogenates of experimental animals] Zhivotova NI, et al. **Radiobiologiia** 15(5):726–30, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[LDH activity in cultured cells of spleens of healthy cows and cows with leukemia] Kalnina EA, et al. **Veterinariia** (3):55–7, Mar 76 **(Rus)**

[Activity of DNA–dependent RNA polymerases A and B in spleen nuclei of mice infected with Rauscher leukemia virus] Veselovskaia TV, et al. **Vopr Virusol** (1):57–62, Jan–Feb 76 **(Rus)**

GROWTH & DEVELOPMENT

The postnatal development of the white pulp in the rat spleen and the onset of immunocompetence against a thymus–independent and a thymus–dependent antigen. Veerman AJ. **Z Immunitsetsforsch** 150(1):45–59, Aug 75

IMMUNOLOGY

Antisplenic tissue antibody in aplastic anemia. Yoda Y, et al. **Acta Haematol Jpn** 38(3):315–9, Jun 75

Distribution of immunoglobulin–containing cells in human bone marrow and lymphoid tissues. Turesson I. **Acta Med Scand** 199(4):293–304, 1976

Lymphoid organs and amphibian immunity. Brown BA, et al. **Adv Exp Med Biol** 64:267–75, 1975

Surface characteristics of spleen cell–erythrocyte rosette formation in the grass frog Rana pipiens. Edwards BF, et al. **Adv Exp Med Biol** 64:397–407, 1975

Cellular events involved in the true primary immune response of splenocytes in vitro. Friedman H, et al. **Adv Exp Med Biol** 66:107–15, 1976

The still unsolved germinal centre mystery (invited lecture). Humphrey JH. **Adv Exp Med Biol** 66:711–23, 1976

Structure and immunological function of lymphomyeloid organs in the bullfrog, Rana catesbeiana. Minagawa Y, et al. **Adv Exp Med Biol** 64:257–66, 1975

A decrease in cell–mediated immunity in uremia associated with an increase in activity of suppressor cells. Raskova J, et al. **Am J Pathol** 84(1):1–10, Jul 76

Distributions of immunoglobulin–containing cells in alimentary tract, spleen, and mesenteric lymph node of the pig demonstrated by peroxidase–conjugated antiserums to porcine immunoglobulins G, A, and M. Brown PJ, et al. **Am J Vet Res** 37(1):9–13, Jan 76

Age–dependent resistance of chickens to salmonella in vitro: phagocytic and bactericidal activities of splenic phagocytes. Kodama H, et al. **Am J Vet Res** 37(9):1091–4, Sep 76

Idiotypic specificities of rabbit anti–Salmonella abortus–equi antibodies produced by spleen cell clones involved in successive transfers in irradiated rabbits. Bordenave GR. **Ann Immunol (Paris)** 127(3–4):375–95, Jun–Jul 76

Immune processes in the course of infection with dysentery bacilli. I. Transfer of immunity by means of spleen cells. Kowalewska D, et al. **Arch Immunol Ther Exp (Warsz)** 24(3):315–26, 1976

Effects of dibutyrylcyclic AMP on the in vitro primary response of mouse spleen cells to sheep erythrocytes. Marchalonis JJ, et al. **Aust J Exp Biol Med Sci** 54(1):1–10, Feb 76

Cytotoxic effects on splenic ultrafiltrates upon leukaemic lymphocytes. Attallah AM, et al. **Br J Cancer** 32(6):693–9, Dec 75

Characterization of cytotoxic spleen cells and effects of serum factors in a syngeneic rat tumour system. Matthews N, et al. **Br J Cancer** 33(3):279–89, Mar 76

Trapping and destruction of blood–borne syngeneic leukaemia cells in lung, liver and spleen of normal and leukaemic rats. Sadler TE, et al. **Br J Cancer** 33(5):512–20, May 76

Cellular immunity to Hodgkin's splenic tissue measured by leucocyte migration inhibition. Hancock BW, et al. **Br Med J** 1(6009):556–7, 6 Mar 76

Sensitisation to Hodgkin's disease spleen tissue in patients with malignant lymphoma: follow–up study. Hancock BW, et al. **Br Med J** 2(6031):351–2, 7 Aug 76

Tumor colony formation by Friend virus–infected cells in immunosuppressed mice. Axeirad AA, et al. **Cancer Res** 36(1):28–32, Jan 76

Changes in the mitogen response of lymphoid cells with progressive tumor growth. Gillette RW, et al. **Cancer Res** 35(12):3774–9, Dec 75

Comparative experimental evaluation of immunodepressive and toxic effects of L–asparaginase (NSC–109229) from Escherichia coli and from Erwinia carotovora. Cavanna M, et al. **Cancer Treat Rep** 60(3):255–7, Mar 76

Thymus cell traffic induced by antigen stimulation. Bernstein A, et al. **Cell Immunol** 14(2):171–81, Nov 74

In vitro allotype suppression of spleen cells from immunized rabbits. Chong CA, et al. **Cell Immunol** 21(1):40–7, Jan 76

In vitro response of chicken spleen cells to sheep red blood cells. Evans GH, et al. **Cell Immunol** 14(3):402–10, Dec 74

Nonspecific cytotoxicity of spleen cells and the specific cytotoxic action of thymus–derived lymphocytes in vitro. Grant CK, et al. **Cell Immunol** 14(1):46–51, Oct 74

Separation and analysis of differentiating B lymphocytes from mouse spleens. Hecht TT, et al. **Cell Immunol** 22(2):193–210, 15 Mar 76

Letter: Characteristics of the antibody response of rabbit spleen cells in vitro. Lambert WC, et al. **Cell Immunol** 23(1):177–9, Apr 76

The effect of allogeneic spleen cells on the induction of immunologic tolerance. Lankford J, et al. **Cell Immunol** 14(2):163–70, Nov 74

Comparative migration of B– and T–Lymphocytes in the rat spleen and lymph nodes. Nieuwenhuis P, et al. **Cell Immunol** 23(2):254–67, May 76

Role of the spleen in ontogenic development of phytomitogen response in thymus of CBA mice. Papiernik M. **Cell Immunol** 22(2):384–8, 15 Mar 76

Specifically depleted spleen cell populations recover responsiveness by a concomitant unrelated delayed hypersensitivity reaction. Prunet J, et al. **Cell Immunol** 23(2):223–31, May 76

Measurement and comparison of the proliferative and antibody response of neonatal, immature and adult murine spleen cells to T–dependent and T–independent antigens. Rabinowitz SG. **Cell Immunol** 21(2):201–16, Feb 76

In vitro studies of the rabbit immune system: II. Functional characterization of rabbit T and B populations separated by adherence to nylon wool or lysis with anti–thymocyte serum and complement. Redelman D, et al. **Cell Immunol** 24(1):11–23, 1 Jun 76

In vitro studies of the rabbit immune system. III. T–cell requirement for initiation but not maintenance of anti–sheep erythrocyte plaque–forming cells. Redelman D, et al. **Cell Immunol** 24(1):24–33, 1 Jun 76

Suppression of mixed lymphocyte reactions by alloantigen–activated spleen–localizing thymocytes. Rich RR, et al. **Cell Immunol** 22(2):358–68, 15 Mar 76

Identification and separation of pre T–cells from nu/nu mice: differentiation by preculture with thymic reticuloepithelial cells. Sato VL, et al. **Cell Immunol** 24(1):173–85, 1 Jun 76

Control of mitogen–induced transformation: characterization of a splenic suppressor cell and its mode of action. Webb DR Jr, et al. **Cell Immunol** 24(1):45–57, 1 Jun 76

The role of macrophages in the amplified in vitro response to sheep red blood cells by spleen cells from Corynebacterium parvum treated mice. Wiener E. **Cell Immunol** 19(1):1–7, Sep 75

Cellular immunity in pyelonephritis: inhibition of the spleen cell response to the mitogen concanavalin A. Williams TW, et al. **Cell Immunol** 14(1):33–8, Oct 74

Evaluation of the specificity of a lymphoid chalone. Garcia–Giralt E, et al. **Cell Tissue Kinet** 8(6):589–92, Nov 75

Lymphocyte capping and lymphocyte migration as associated events in the in vivo antigen trapping process. An electron–microscopic autoradiographic study in the spleen of mice. Veerman AJ, et al. **Cell Tissue Res** 161(2):211–7, 18 Aug 75

K–cell cytotoxic activity in the spleen and lymph nodes of tumour–bearing mice. Calder EA, et al. **Clin Exp Immunol** 19(2):393–7, Feb 75

Experimental myositis in rats. II. The sensitivity of spleen cells to syngeneic muscle antigen. Esiri MM, et al. **Clin Exp Immunol** 19(3):513–20, Mar 75

In vitro spleen leucocyte migration and phytohaemagglutinin–stimulated lymphocyte transformation of immunosuppressed mice cells. I. Cells from mice treated by thymectomy and/or rabbit anti–mouse lymphocyte serum. House AK, et al. **Clin Exp Immunol** 17(1):179–87, May 74

The reactivity of spleen cells from malarious rats to non–specific mitogens. Spira DT, et al. **Clin Exp Immunol** 24(1):139–45, Apr 76

Effect of nickel chloride on primary antibody production in the spleen. Graham JA, et al. **Environ Health Perspect** 12:109–13, Dec 75

Age–related changes in the PHA: con A stimulatory ratios of cells from spleens of a long–lived mouse strain. Meredith P, et al. **Exp Gerontol** 10(5):247–50, 1975

Thymic influence of proliferation and interaction of fractionated spleen cells of mice. Paljak–Blaži M, et al. **Exp Hematol** 4(3):180–5, May 76

Trypanosoma gambiense: enhancement of agglutinin and protection in subpopulations by immune spleen cells. Takayanagi T, et al. **Exp Parasitol** 38(2):233–9, Oct 75

Attempt to alter antigenic structure of normal tissues by treatment with dimethyl–triazeno–imidazole–carboxamide in vivo. Nicolin A, et al. **Experientia** 32(6):741–2, 15 Jun 76

Induction of immunological memory in mice by RNA extract. Ziska P, et al. **Experientia** 32(4):520–1, 15 Apr 76

Antibody–dependent cell–mediated cytotoxicity. Comparative ability of murine Peyer's patch and spleen cells to lyse lipopolysaccharide–coated and uncoated erythrocytes. Kagnoff MF, et al. **Gastroenterology** 70(3):341–6, Mar 76

Differentiation of antigen–binding cells in the teleost Carassius auratus and in the anuran Bufo marinus. Azzolina LS. **Haematologica (Pavia)** 60(4):409–21, Dec 75 (Eng. Abstr.)

The reactivity of isoferritins in a labelled antibody assay. Worwood M, et al. **Immunochemistry** 13(5):477–8, May 76

Autoimmune New Zealand mouse. Alterations in C3 receptors, complement–induced clumps and follicular adherence of immune complexes. Arnaiz–Villena A, et al. **Immunology** 29(6):1103–10, Dec 75

Immunological dichotomy in the larval bullfrog spleen. Brown BA, et al. **Immunology** 30(2):299–305, Feb 76

The potentiality of antibody–producing cells. I Bispecific cell occurrence in double stimulated cultures of syngeneic or allogeneic spleen cells of the mouse. Couderc J, et al. **Immunology** 29(4):653–64, Oct 75

The potentiality of antibody–producing cells. II. Evidence for two antibody molecules of different specificities secreted by micromanipulated bispecific mouse spleen cells. Couderg J, et al. **Immunology** 29(4):665–74, Oct 75

Central and peripheral action of suppressor cells in contact sensitivity in the guinea–pig. Parker D, et al. **Immunology** 30(4):593–7, Apr 76

In vitro proliferative response of BALB/c mouse spleen cells stimulated with trinitrophenylated syngeneic spleen cells. Tokuyama H. **Immunology** 29(5):875–84, Nov 75

Effects of mitogens for mouse B lymphocytes on chicken lymphoid cells. Tufveson G, et al. **Immunology** 29(4):697–707, Oct 75

Lymphocyte trapping. Differential effects of ATS and irradiation on trapping in lymph nodes and spleen. Zatz MM. **Immunology** 30(5):749–53, May 76

Restoration of immunocompetence in leukemia virus–infected splenocytes in vitro by peritoneal exudate

macrophages. pp. 215–21. Specter S, et al.
In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.

Characterization of a soluble immune response suppressor (SIRS) produced by Concanavalin A–activated spleen cells. pp. 583–95. Pierce CW, et al.
In: Oppenheim JJ, Rosenstreich DL, ed. Mitogens in immunobiology. New York, Academic Press, 1976. QH 605.2 M684 1975.

The spleen, asplenia and overwhelming pneumococcal infection. pp. 9–16. Pearson HA, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973. (35 ref.)

An analysis of some morphological features of the lymphoid system in nude mice. pp. 119–26. de Sousa MA, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Inductive changes in chromatins of splenic cells after in vivo antigenic stimulation in mice. pp. 307–17. Chaudhuri SN, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Molecular weight and other characteristics of mycobacterial growth inhibitory factor produced by spleen cells obtained from mice immunized with viable attenuated mycobacterial cells. Cahall DL, et al. **Infect Immun** 12(4):841–50, Oct 75

Suppressive effect of a chronic helminth infection, schistosomiasis mansoni, on the in vitro responses of spleen and lymph node cells to the T cell mitogens phytohemagglutinin and concanavalin A. Pelley RP, et al. **Infect Immun** 13(4):1176–83, Apr 76

In vivo and in vitro stimulation of mouse spleen leukocytes by BL–20803, a low–molecular–weight interferon inducer. Siminoff P. **Infect Immun** 12(5):1051–7, Nov 75

Presence and kinetics of sensitized cells in different tissue compartments. Bröcker EB, et al.
Int Arch Allergy Appl Immunol 49(5):607–14, 1975

Quantitation of B and T lymphocytes in guinea pigs with evidence for a release of both cell types from the spleen into the blood. Sandberg G, et al.
Int Arch Allergy Appl Immunol 50(3):374–84, 1976

Immune complexes in the spleen. Replacement of immune complexes trapped in spleen follicles by new immune complexes from the circulation. van Rooijen N.
Int Arch Allergy Appl Immunol 49(6):754–62, 1975

Spleen–cell cytotoxicity for cytomegalovirus–transformed cells. II. Inhibition by cytomegalovirus antiserum. Murasko DM, et al. **Int J Cancer** 16(1):24–32, 15 Jul 75

Specific anti–tumor responses of cultured immune spleen cells III. Further characterization of cells which synthesize factors with blocking and antiserum–dependent cellular cytotoxic (ADC) activities. Nelson K, et al.
Int J Cancer 16(4):539–49, 15 Oct 75

In vitro synthesis of tumor–specific factors with blocking and antibody–dependent cellular cytotoxicity (ADC) activities. Nelson K, et al. **Int J Cancer** 16(6):932–41, 15 Dec 75

Preliminary studies with the lymph node lymphocytes of M. leprae infected mice. Welch TM, et al. **Int J Lepr** 44(1–2):199–205, Jan–Jun 76

Adoptive transfer of immunity to Plasmodium berghei by a population of immune rat spleen cells resistant to cyclophosphamide. Zuckerman A, et al. **Int J Parasitol** 6(2):103–6, Apr 76

Proceedings: Hybridization kinetics of RNA and DNA from mouse lymphoid cells following immunization. Moav N, et al. **Isr J Med Sci** 11(12):1394, Dec 75

Development of germinal centres in the spleen in infants related to birth and unexpected death. Al Barzanji AJ, et al. **J Clin Pathol** 29(8):675–9, Aug 76

Validation and standardization of Kveim test suspensions prepared from two human sarcoid spleens. Mitchell DN, et al. **J Clin Pathol** 29(3):203–10, Mar 76

A mechanism for the induction of immunological tolerance by antigen feeding: antigen–antibody complexes. André C, et al. **J Exp Med** 142(6):1509–19, 1 Dec 75

Experimental amyloidosis: the inducer is a polyclonal B–cell activator to which susceptibility is under genetic control. Britton S. **J Exp Med** 142(6):1564–9, 1 Dec 75

Studies on the role of the host immune response in recovery from Friend virus leukemia. II. Cell–mediated immunity. Chesebro B, et al. **J Exp Med** 143(1):85–99, 1 Jan 76

Variation and control of specific antigen–binding cell populations in individual fetal mice. D'Eustachio P, et al. **J Exp Med** 144(1):259–65, 1 Jul 76

Antigenic properties of cultured tumor cell lines derived from spleens of Friend virus–infected BALB/c and BALB/c–H–2b mice. Freedman HA, et al. **J Exp Med** 142(6):1365–76, 1 Dec 75

Spleen cells from animals tolerant to a thymus–dependent antigen can be activated by lipopolysaccharide to synthesize antibodies against the tolerogen. Möller G, et al. **J Exp Med** 143(6):1429–38, 1 Jun 76

Concanavalin A potentiates syngeneic response in murine lymphocytes. Ozato K, et al. **J Exp Med** 143(1):1–14, 1 Jan 76

Regulatory mechanisms in cell–mediated immune responses. II. A genetically restricted suppressor of mixed lymphocyte reactions released by alloantigen–activated spleen cells. Rich SS, et al. **J Exp Med** 142(6):1391–1402, 1 Dec 75

Modulation of regulatory mechanisms operative in the cyclical production of antibody. Romball CG, et al.
J Exp Med 143(3):497–510, 1 Mar 76

X–linked B–lymphocyte immune defect in CBA/N mice. II. Studies of the mechanisms underlying the immune defect. Scher I, et al. **J Exp Med** 142(3):637–50, 1 Sep 75

Immunologic properties of bacterial lipopolysaccharide (LPS). II. The unresponsiveness of C3H/HeJ Mouse spleen cells to LPS–induced mitogenesis is dependent on the method used to extract LPS. Skidmore BJ, et al.
J Exp Med 142(6):1488–1508, 1 Dec 75

Cell–mediated immunity: differential maturation of mixed leukocyte reaction and cell–mediated lympholysis. Wu S, et al. **J Exp Med** 142(5):1301–5, 1 Nov 75

Immune response gene (Ir–SRBC) exerts its effect via macrophages in inbred rats. Tada N, et al.
J Immunogenet 3(1):49–60, Feb 76

Immunoglobulin biosynthesis by the MOPC 173 mouse myeloma tumor and a variant spleen clone. Baumal R, et al. **J Immunol** 116(1):65–74, Jan 76

Complement inhibitor(s) released by leukocytes. III. Evidence for a 'new' C1 inhibitor in the supernatants of short–term cultures of mouse spleen and thymus cells. Bernard A, et al. **J Immunol** 115(4):1091–4, Oct 75

Complement inhibitor(s) released by leukocytes. I. Pretreatment of sheep erythrocytes with supernatants of mouse spleen and thymus cells inhibit whole complement activity and C2 utilization. Bernard A, et al. **J Immunol** 115(4):1087–90, Oct 75

Generation of cytotoxic lymphocytes in vitro: response of immune rat spleen cells to a syngeneic gross virus–induced lymphoma in mixed lymphocyte–tumor culture. Bernstein ID, et al. **J Immunol** 116(5):1367–72, May 76

Antibody in the sera of tumor–bearing mice that mediates spleen cell cytotoxicity toward the autologous tumor. Blair PB, et al. **J Immunol** 116(3):606–9, Mar 76

Immunosuppression by spleen cells from Moloney leukemia. Comparison of the suppressive effect on antibody response and on mitogen–induced response. Cerny J, et al.
J Immunol 115(4):943–9, Oct 75

In vitro hemolysis of autologous erythrocytes caused by immune murine spleen cells and spherules of the fungus Coccidioides immitis. Danley DL, et al. **J Immunol** 116(4):970–5, Apr 76

Specific suppression of the immune response by HGG tolerant spleen cells. I. Parameters affecting the level of suppression. Doyle MV, et al. **J Immunol** 116(6):1640–5, Jun 76

Response of mouse splenic lymphocytes to timothy pollen antigens in a microculture system. Fairchild SS, et al.
J Immunol 115(6):1533–7, Dec 75

Circadian rhythmic plaque–forming cell response of spleens from mice immunized with SRBC. Fernandes G, et al.
J Immunol 117(3):962–6, Sep 76

Influence of H–2 on the ontogenesis of a spleen cell population which lacks C3 receptors and Thy–1 antigen. Ferreira A, et al. **J Immunol** 117(3):771–3, Sep 76

The in vitro suppression of antigen– or mitogen–induced DNA synthesis by murine spleen cells after the addition of freshly prepared syngeneic cells. Ficho TW, et al.
J Immunol 116(2):379–86, Feb 76

Ly antigens: markers of T cell function on mouse spleen cells. Hirst JA, et al. **J Immunol** 115(6):1555–7, Dec 75

Synergy between subpopulations of normal mouse spleen cells in the in vitro generation of cell–mediated cytotoxicity specific for 'modified self' antigens. Hodes RJ, et al.
J Immunol 115(4):1122–5, Oct 75

Splenic suppressing factor: purification and characterization of a factor suppressing thymidine incorporation into activated lymphocytes. Kasahara T, et al. **J Immunol** 116(5):1251–6, May 76

Splenic suppressor macrophages induced in mice by injection of Corynebacterium parvum. Kirchner H, et al.
J Immunol 115(5):1212–6, Nov 75

Studies on the maturation of immune responsiveness in the mouse. II. Role of the spleen. Landahl CA, et al.
J Immunol 117(1):151–4, Jul 76

The humoral response of mouse spleen cells to two types of sheep erythrocytes. III. A new VH region marker. McCarthy MM, et al. **J Immunol** 115(5):1327–9, Nov 75

The humoral response of mouse spleen cells to two types of sheep erythrocytes. II. Evidence for gene expression in the B lymphocyte. McCarthy MM, et al. **J Immunol** 115(5):1322–6, Nov 75

The humoral response of mouse spleen cells to two types of sheep erythrocytes. I. Genetic control of the response to H and L SRBC. McCarthy MM, et al. **J Immunol** 115(5):1316–21, Nov 75

The humoral response of mouse spleen cells to two types of sheep erythrocytes. IV. The in vivo response to H and L SRBC and the genetic control of the production of IgM and IgG antibodies in discriminator mice. McCarthy MM, et al. **J Immunol** 116(6):1725–6, Jun 76

Functional deficiency of splenic adherent cells in New Zealand black mice. McCombs C, et al. **J Immunol** 115(6):1695–9, Dec 75

Specific partial depletion of graft–vs–host activity by incubation and centrifugation of mouse spleen cells on allogeneic spleen cell monolayers. Mage MG, et al.
J Immunol 115(4):911–3, Oct 75

Hybridization kinetics of ribonucleic acid and deoxyribonucleic acid from antigen–stimulated mouse spleen cells. Moav N, et al. **J Immunol** 117(1):343–9, Jul 76

Studies on the adjuvant effect of Bordetella pertussis vaccine to sheep erythrocytes in the mouse. I. In vitro enhancement of antibody formation with normal spleen cells. Murgo AJ, et al. **J Immunol** 115(4):928–31, Oct 75

Transfer of hypogammaglobulinemia in two inbred chicken strains by spleen cells from bursectomized donors. Palladino MA, et al. **J Immunol** 116(6):1673–6, Jun 76

Suppressor cells in the spleens of tumor–bearing mice: enrichment by centrifugation on hypaque–ficoll and characterization of the suppressor population. Pope BL, et al. **J Immunol** 116(5):1342–6, May 76

Receptors for IgG and complement in human spleen lymphoid cells. Preferential binding of particulate immune complexes through complement receptors. Scornik JC, et al. **J Immunol** 115(5):1223–6, Nov 75

Humoral immunity in aged mice. I. Age–related decline in the secondary response to DNP of spleen cells propagated in diffusion chambers. Segre M, et al. **J Immunol** 116(3):731–4, Mar 76

Suppressor cells in spleens from 'nude' mice: their effect on the mitogenic response of B lymphocytes. Smith JB, et al. **J Immunol** 117(1):319–22, Jul 76

Characterization of T and B antigen–binding cells for beta–galactosidase. I. beta–galactosidase–binding cells in the thymus and spleen of normal mice. Swain S, et al.
J Immunol 116(4):915–22, Apr 76

Biological expressions of lymphocyte activation. V. Characterization of a soluble immune response suppressor (SIRS) produced by concanavalin A–activated spleen cells. Tadakuma T, et al. **J Immunol** 117(1):323–30, Jul 76

Site of action of a soluble immune response suppressor (SIRS) produced by concanavalin A–activated spleen cells. Tadakuma T, et al. **J Immunol** 117(3):967–72, Sep 76

In vitro induction of cytotoxicity against syngeneic mastocytoma and its suppression by spleen and thymus cells from tumor–bearing mice. Takei F, et al. **J Immunol** 116(2):288–93, Feb 76

Suppression of antibody responses in allogeneic mice by products of lymphoid tissue. I. Allogeneic suppressive factor (ASF) from spleens repopulated with thymus cells. Yonkosky D, et al. **J Immunol** 116(6):1688–94, Jun 76

A simplified procedure for in vitro immunization of dispersed spleen cell cultures. Kamo I, et al. **J Immunol Methods** 11(1):55–62, 1976

Application of 125I–labelled soluble proteins in the histoautoradiographic detection of antigen and antibodies in the spleen of rabbits during primary immune response. Rodák L. **J Immunol Methods** 8(4):307–17, Oct 75

Target cells for interferon induction by BL–20803. Siminoff P. **J Infect Dis** 133 Suppl:A37–42, Jun 76

Reversal of leukemia virus–induced immunosuppression in vitro by peritoneal macrophages. Bendinelli M, et al.
J Natl Cancer Inst 55(6):1425–32, Dec 75

Inhibition of cell–mediated cytotoxicity against tumor–associated antigens by suppressor cells from tumor–bearing mice. Glaser M, et al.
J Natl Cancer Inst 56(4):865–7, Apr 76

Immunosuppression induced in vitro by cell–free extracts of Friend leukemia virusinfected splenocytes. Specter S, et al. **J Natl Cancer Inst** 56(1):143–7, Jan 76

Mechanisms of cell–mediated myotoxicity. Morphological observations in muscle grafts and in muscle exposed to sensitized spleen cells in vivo. Mastaglia FL, et al.
J Neurol Sci 25(3):269–82, Jul 75

Influence of acute malaria on delayed hypersensitivity mediated by the spleen and peripheral lymph nodes. Cradal RB, et al. **J Parasitol** 62(2):321–3, Apr 76

The role of the spleen and immunity in the metastatic pattern of a murine reticulum cell sarcoma. Faraci RP, et al.
J Surg Oncol 7(1):85–92, 1975

In vitro granulocytic stem cell clonogenic capacity of marrow and spleen cells from mice infected with Rauscher leukemia virus. Koltun LA, et al. **J Surg Oncol** 8(3):253–6, 1976

In vitro modification of histocompatibility antigens by hepatic extracts. Deshon GE Jr, et al. **J Surg Res** 19(6):351–5, Dec 75

Immunological impairment and susceptibility to infection after splenectomy. Likhite VV. **JAMA** 236(12):1376–7, 20 Sep 76

In vitro reconstitution of anti–sheep erythrocyte antibody response of T cell–depleted spleen cells by allogeneic T cells or by factors derived from them. Tadakuma T, et al. **Jpn J Microbiol** 19(4):287–98, Aug 75

Inhibition of Leishmania donovani transformation by hamster spleen homogenates and active human lymphocytes. Brun R, et al. **Nature** 262(5570):689–91, 19 Aug 76

Suppression of adoptive antibody responses by addition of spleen cells from agammaglobulinaemic chickens 'immunised' with histocompatible bursa cells. Grebenau MD, et al. **Nature** 260(5546):46–8, 4 Mar 76

Spleen cells from Schistosoma mansoni–infected mice produce diffusible stimulator of eosinophilopoiesis in vivo. Miller AM, et al. **Nature** 262(5569):586–7, 12 Aug 76

Isolation and properties of a murine spleen cell Fc receptor. Rask L, et al. **Nature** 257(5523):231–3, 18 Sep 75

Stimulation of the immune response in vivo by different nucleic acids. Oellermann RA. **Onderstepoort J Vet Res** 41(4):217–20, Dec 74

Tumour metastasis in mice with reduced immune reactivity. IV. Restoration of relative resistance to metastasis formation in thymectomized sub–lethally irradiated mice

by spleen cells. Suurküla M, et al. **Pathol Eur** 10(4):299–305, 1975

Structural similarities between a product of the T/t-locus isolated from sperm and teratoma cells, and H-2 antigens isolated from splenocytes. Vitetta ES, et al. **Proc Natl Acad Sci USA** 72(8):3215–9, Aug 75

Origin of antibody-dependent, lymphoid-cell-independent hemolytic plaques in rabbit spleen cell cultures. Lambert WC, et al. **Proc Soc Exp Biol Med** 150(3):636–40, Dec 75

Electrophoretic investigation of L-asparaginase influence on blood and spleen blood globulins. Experimental study. Rabega C, et al. **Rev Roum Med [Med Intern]** 13(2):125–30, 1975

Effect of distamycin A on the primary and secondary immune response of mouse spleen cells in vitro against sheep erythrocytes. Rossi G, et al. **Ric Clin Lab** 5(1):39–48, Jan-Mar 75

Haematopoietic defects of W/WV mice studied with the spleen colony, agar colony, and diffusion chamber techniques. Benestad HB, et al. **Scand J Haematol** 15(3):219–77, Oct 75

Correction: mouse spleen cells cultured in homologous serum can indeed make primary antibodies to sheep erythrocytes. Britton S. **Scand J Immunol** 4(7):681–6, 1975

Genetic control of B-cell responses. II. Identification of the spleen B-cell defect in C3H/HeJ mice. Coutinho A. **Scand J Immunol** 5(1–2):129–40, 1976

Complement dependence of localisation of aggregated IgG in germinal centres. Papamichail M, et al. **Scand J Immunol** 4(4):343–47, 1975

Specific acquired resistance and activity of migration inhibition factor (MIF) in spleens of mice with chronic tuberculosis. Kvapilová M, et al. **Scand J Respir Dis** 56(6):305–11, 1975

Leukemia virus-induced immunosuppression: scanning electron microscopy of infected spleen cells. Farber P, et al. **Science** 190(4213):469–71, 31 Oct 75

Induction of F1 hybrid antiparent cytotoxic effector cells: an in vitro model for hemopoietic histoincompatibility. Shearer GM, et al. **Science** 190(4217):890–3, 28 Nov 75

Tumor-induced suppression of the in vitro humoral response. Lazar K, et al. **Surg Forum** 26:160–2, 1975

Suppressor activity of the human spleen and thymus. Sampson D, et al. **Surgery** 79(4):393–7, Apr 76

Production of tissue-typing reagents in rabbits immunized with dog-spleen dry acetone powder. Leon S, et al. **Transplant Proc** 7(3):379–82, Sep 75

Local and systemic cell-mediated immunity in viral infection of the canine respiratory tract. Reif JS, et al. **Transplant Proc** 7(4):561–5, Dec 75

Studies on allotype suppression and its abrogation in cultured rabbit spleen cells. Adler LT. **Transplant Rev** 27:3–23, 1975 (48 ref.)

The role of the spleen in the rejection and enhancement of renal allografts in the rat. Fabre JW, et al. **Transplantation** 20(3):219–26, Sep 75

Mitigation of graft-versus-host disease in lethally irradiated mice grafted with spleen cells adherent to glass beads. Gambrill MR, et al. **Transplantation** 21(3):247–54, Mar 76

Transplantation of pancreatic islets into the spleen of diabetic rats and subsequent splenectomy. Koncz L, et al. **Transplantation** 21(5):427–9, May 76

Lymphocyte functions in the rat spleen at various times after urethan administration. Di Marco AT, et al. **Tumori** 61(4):319–26, Jul-Aug 75

Transfer of delayed-type hypersensitivity by cells (spleen, mesenteric lymph node) in Trichinella spiralis infection in mice. Piotrowski R. **Wiad Parazytol** 21(4–5):623–32, 1975

Comparison of two modifications of indirect migration inhibition test-murine spleen fragment and capillary tube migration assays. Górski AJ, et al. **Z Immunitaetsforsch** 146(1):23–8, Sep 73

DNA-synthesis and DNA-methylation in the spleen of immunized mice. Lutz D, et al. **Z Immunitaetsforsch** 150(5):424–31, Nov 75

Cytological changes and antigen capture in chicken spleen during the secondary immune response to homologous and cross-reacting antigens. Nagy ZA, et al. **Z Immunitaetsforsch** 150(1):1–23, Aug 75

A histoautoradiographic study of the localization of antigen and specific antibodies in the rabbit spleen. I. Comparison of the primary and secondary immune response. Rodák L. **Z Immunitaetsforsch** 151(1–2):46–60, Mar 76

Antigens in the spleen: localization of labelled antigen in the spleen of normal rabbits and rabbits preimmunized with a non related antigen. van Rooijen N. **Z Immunitaetsforsch** 144(5):442–9, Feb 73

Tumor inhibiting capacity of spleen and lymph node cells from mice with murine sarcoma virus (MSV-M)-induced tumors. Weiland E, et al. **Z Immunitaetsforsch** 150(5):414–23, Nov 75

Percent distribution of T-and B-lymphoid cells in spleen and lymph nodes of Moloney virus infected mice. Mertens H, et al. **Z Krebsforsch** 85(2):169–75, 25 Feb 76

[The effect of cortisone on lympho-reticular cells with specific enzyme activity of the white pulp of rat spleen] Catayée G, et al. **C R Acad Sci [D] (Paris)** 280(21):2509–11, 2 Jun 75 (Eng. Abstr.) **(Fre)**

[Obtaining additional agglutinins by mixing culture media of lymphoid tissues taken from animals immunized with Salmonella paratyphi B] Corvazier P. **C R Acad Sci [D] (Paris)** 281(20):1541–4, 17 Nov 75 **(Fre)**

[Antigenic and immunogenic activities of dog spleen dry acetone powder for DLA histocompatibility test system] Léon S, et al. **C R Acad Sci [D] (Paris)** 281(21):1653–6, 24 Nov 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Morphological and cell-kinetic findings in the spleen following single antigen stimulation] Grouls V, et al. **Verh Dtsch Ges Pathol** 59:461, 1975 **(Ger)**

[Portalization of the spleen and antibody response to portal antigens] Mazzoni G, et al. **Chir Patol Sper** 23(1):9–15, Feb 75 (Eng. Abstr.) **(Ita)**

[Fluctuation in populations of T-cells and B-cells in the spleen of infected mice: application of cytotoxic test using anti-T-cell and anti-B-cell sera] Aso H, et al. **Jpn J Bacteriol** 30(1):169, Jan 75 **(Jpn)**

[Phagocytosis of Salmonella and bactericidal activity of splenic phagocytes of the chicken-effects of the age of the donor chickens and sensitization with viable or non-viable bacteria] Kodama H, et al. **Jpn J Bacteriol** 30(1):163, Jan 75 **(Jpn)**

[Participation of various peripheral lymphatic organs in the development of antibody production capability. 1. Difference in responses of the spleen and mesenteric lymph nodes with antigenic and adjuvant stimulation] Nakajima I, et al. **Jpn J Bacteriol** 30(1):213, Jan 75 **(Jpn)**

[Immunological changes of splenic cells in BCG infected mice] Saito T, et al. **Jpn J Bacteriol** 30(1):212, Jan 75 **(Jpn)**

[T and B lymphocytes in peripheral blood of splenectomized subjects] Pluzańska A, et al. **Acta Haematol Pol** 7(1):13–21, 1976 (Eng. Abstr.) **(Pol)**

[T and B lymphocytes in the spleen of patients with Hodgkin's disease] Pluzańska A, et al. **Pol Arch Med Wewn** 56(7):55–64, Jul 76 (Eng. Abstr.) **(Pol)**

[Morphological manifestations and morphogenesis of the graft vs. host reaction in the brain of F1 hybrids following the administration of parental lymphoid cells and its effect on tumor inoculation] Zarudin VV, et al. **Arkh Patol** 37(4):60–5, 1975 (Eng. Abstr.) **(Rus)**

[Genetic differences in lymphoid tissue reactivity during liver regeneration in mice of different lines] Babaeva AG, et al. **Biull Eksp Biol Med** 82(7):876–8, Jul 76 (Eng. Abstr.) **(Rus)**

[The importance of the density of spleen cell suspensions in cultures for development of immune reactions] Gurvich AE, et al. **Biull Eksp Biol Med** 80(11):66–70, Nov 75 (Eng. Abstr.) **(Rus)**

[The effect of heparin and a human heparin precipitable plasma fraction on antibody producing cells in vitro] Kaznacheev SV, et al. **Biull Eksp Biol Med** 81(1):57–9, Jan 76 (Eng. Abstr.) **(Rus)**

[Antigen-binding clone cells in hematopoietic spleen colonies] Khazanova IV, et al. **Biull Eksp Biol Med** 81(5):576–9, May 76 (Eng. Abstr.) **(Rus)**

[Effect of transplantation of lymphoid and bone marrow cells on the immune response following immunization of mouse strains little or highly reactive to the antigen] Petrov RV, et al. **Biull Eksp Biol Med** 81(3):335–7, Mar 76 (Eng. Abstr.) **(Rus)**

[The relationship between the number of antibody forming cells in the spleens of rats immunized with Sal. typhi O-antigen and the number of background cells producing antibodies to that antigen] Shmuter LM. **Biull Eksp Biol Med** 81(2):201–2, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of fibroblasts from monolayer cultures of hematopoietic and lymphoid tissue on the immune response in vitro] Sidorenko AV, et al. **Biull Eksp Biol Med** 80(12):62–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Selective concurrent suppression of the process of rosette-forming cell accumulation during the immune response] Simonian SA, et al. **Biull Eksp Biol Med** 81(6):715–7, Jun 76 (Eng. Abstr.) **(Rus)**

[Increase in the activity of spleen cell-suppressors in mice during tumor growth] Gambarov SS, et al. **Dokl Akad Nauk SSSR** 224(5):1195–7, 11 Oct 75 **(Rus)**

[Morphogenesis of the early stages of hematopoiesis recovery in the spleen of irradiated mice following bone marrow transplantation] Nezdatnyĭ MM, et al. **Dokl Akad Nauk SSSR** 225(4):981–4, 1 Dec 75 **(Rus)**

[Effect of concanavalin A on the participation of thymus cells in spleen colony formation] Poverennyĭ AM, et al. **Dokl Akad Nauk SSSR** 223(5):1248–50, 11 Aug 75 **(Rus)**

[Changes in the chemical composition and physico-chemical characteristics of chromatin from spleens of mice during immunogenesis] Staĭkova MA, et al. **Mol Biol (Mosk)** 9(2):240–5, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Development of the graft vs host reaction and endogenous colony formation in intact and adrenalectomized sublethally irradiated mice] Semenkov VF. **Radiobiologiia** 15(3):374–8, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Role of the spleen in tumors and leukemias (literature survey)] Zverkova AS. **Vrach Delo** (7):80–3, Jul 75 **(Rus)**

[Morphological manifestations of body's response to tumor cells] Zverkova AS. **Vrach Delo** (10):110–3, Oct 75 (Eng. Abstr.) **(Rus)**

[Kinetics of the immune response following syngenous transfer of bone marrow, thymus and spleen cells from donors under the influence of previously administered antigen] Iakovchenko VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):100–4, 1976 (Eng. Abstr.) **(Rus)**

[Interaction of cells of the lymphoid organs in the production of antibodies against the influenza virus. Report 1. Localization of the virus in the cells of the spleen] Ispolatova AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):89–93, Apr 75 (Eng. Abstr.) **(Rus)**

[Response of spleen and lymph node cells in tissue culture during formation of immunity to plague] Isupov IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):44–5, 1976 **(Rus)**

[Normal antibodies and immunologic reactivity] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):81–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Characteristics of antibody formation in the spleen of guinea pigs immunized by the successive administration of the factor depressing macrophage migration and of heterologous erythrocytes] Mel'nikov OF. **Zh Mikrobiol Epidemiol Immunobiol** (8):142, Aug 75 **(Rus)**

[Mechanism of the effect of sera from rats subjected to high external temperature on rosette formation by splenic lymphocytes from non-immune animals] Prokopenko LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):48–53, Apr 76 (Eng. Abstr.) **(Rus)**

[Autoimmune cell reaction following the administration of an allergen from Ambrosia pollen] Raĭkis BN. **Zh Mikrobiol Epidemiol Immunobiol** (2):90–3, Feb 76 (Eng. Abstr.) **(Rus)**

INJURIES

The 'starry night' splenic angiogram. Contrast material opacification of the malpighian body marginal sinus circulation in spleen trauma. Scatliff JH, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):91–8, Sep 75

Splenic injury during abdominal surgery. Cioffiro W, et al. **Arch Surg** 111(2):167–71, Feb 76

Should we attempt to salvage the injured spleen? Strauch GO. **Conn Med** 39(9):533–6, Sep 75

Angiographic patterns of splenic lesions following blunt trauma. An experimental study in monkeys. Berge T, et al. **Invest Radiol** 10(4):329–41, Jul-Aug 75

Echographic evaluation of splenic injury after blunt trauma. Asher WM, et al. **Radiology** 118(2):411–5, Feb 76

Splenosis Stephenson LW, et al. **South Med J** 68(8):1046–8, Aug 75

[Roentgenologic diagnosis of splenic trauma (author's transl)] Wenz W, et al. **Radiologe** 16(4):144–8, Apr 76 (Eng. Abstr.) **(Ger)**

[Diagnosis and differential diagnosis of blunt splenic injury in the angiogram] Köhler K, et al. **Zentralbl Chir** 101(9):549–55, 1976 **(Ger)**

[Plastic surgery of splenic wounds with heterogenic preserved peritoneum] Markov RM, et al. **Vestn Khir** 114(1):76–7, Jan 75 (Eng. Abstr.) **(Rus)**

INNERVATION

Effects of drugs and nerve stimulation on the spleen and arteries of two species of dogfish, Scyliorhinus canicula and Squalus acanthias. Nilsson S, et al. **Acta Physiol Scand** 95(3):219–30, NOV 75

Studies of the hemopoietic microenvironment. VIII. Andrenergic and cholinergic innervation of the murine spleen. Reilly FD, et al. **Anat Rec** 185(1):109–17, May 76

The effects of amiodarone, an alpha and beta receptor antiagonist, on adrenergic transmission in the cat spleen. Bacq ZM, et al. **Biochem Pharmacol** 25(10):1195–9, 15 May 76

Quantitative differences between sympathetic nerve terminals. Fillenz M, et al. **Brain Res** 109(3):443–54, 18 Jun 76

Relation of efferent impulse activity in splenic nerve to reflexly induced reactions of resistance and capacitance vessels to spleen. Tkachenko BI, et al. **Experientia** 32(8):1012–4, 15 Aug 76

METABOLISM

Norepinephrine turnover in heart and spleen of 7-, 22-, and 34 degree C-acclimated hamsters. Jones SB, et al. **Am J Physiol** 230(3):564–8, Mar 76

Effect of stimulation with bacterial lipopolysaccharide on the surface-charge of mouse B-lymphocytes. Dumont F. **Ann Immunol (Paris)** 126C(4):453–9, Jun-Jul 75

A soluble cadmium-binding component in rat and dog spleen. Amacher DE, et al. **Arch Environ Health** 30(10):510–3, Oct 75

Induction of T-cell dependent splenic prostaglandin F2alpha by T-cell dependent antigen. Osheroff PL, et al. **Biochem Biophys Res Commun** 66(1):425–9, 2 Sep 75

Elevated cyclic GMP concentrations in rabbit bone marrow culture and mouse spleen following erythropoietic stimulation. Rodgers GM, et al. **Biochem Biophys Res Commun** 70(1):287–94, 3 May 76

Regulation of carbohydrate metabolism in lymphoid tissue. Quantitative aspects of [U-14C]glucose oxidation by rat spleen slices. Suter D, et al. **Biochem J** 148(3):583–94, Jun 75

Regulation of carbohydrate metabolism in lymphoid tissue. Nature of the endogenous substrates and their contribution to the respiratory fuel of the sliced rat spleen in vitro. Suter D, et al. **Biochem J** 156(1):119–27, 15 Apr 76

Paradoxical decrease in norepinephrine content of adult mouse spleen and heart after neonatal nerve growth factor

treatment. Campbell RJ, et al. **Biochem Pharmacol** 24(23):2213–6, 1 Dec 75

Desulphation of heparin by mice and guinea pig leukocytes. Fabian I, et al. **Biochim Biophys Acta** 437(1):122–8, 23 Jun 76

Tissue distribution of EDTA encapsulated within liposomes of varying surface properties. Jonah MM, et al. **Biochim Biophys Acta** 401(3):336–48, 2 Sep 75

Percent satellite DNA as a function of tissue and age of mice. Prashad N, et al. **Biochim Biophys Acta** 418(1):1–23, 5 Jan 76

DNA polymerase, thymidine kinase and DNA synthesis in erythropoietic mouse spleen cells separated on bovine serum albumin gradients. Roodman GD, et al. **Biochim Biophys Acta** 425(4):478–91, 2 Apr 76

Similarity in uptake and retention of trace amounts of 31 silicon and 68 germanium in rat tissues and cell organelles. Mehard CW, et al. **Bioinorg Chem** 5(2):107–24, 1975

Uptake of 3,4–dimethoxyphenylethylamine–1–14C (14C–DMPEA) by rat tissues in vitro. Gulati OD, et al. **Biol Psychiatry** 11(1):75–84, Feb 76

Sterospecific tissue uptake and nuclear accumulation of testosterone in the development of the mouse erythropoietic spleen. Hadjian AJ, et al. **Blood** 47(4):571–80, Apr 76

Regulation by thymus extracts of RNA synthesis in spleen cells 'in vitro'. Amici D, et al. **Boll Soc Ital Biol Sper** 51(21):1497–500, 15 Nov 75

The effect of normal spleen cells on 3H–thymidine uptake by target cells in vitro. Nyssen J, et al. **Br J Exp Pathol** 56(3):223–30, Jun 75

Methods of evaluating the sequestration site of red cells labelled with 51Cr: a review of 96 cases. Najean Y, et al. **Br J Haematol** 29(3):495–510, Mar 75

Prostaglandin release from cat and dog spleen. Bedwani JR, et al. **Br J Pharmacol** 54(4):499–505, Aug 75

Proceedings: The effects of AH 5158 on the overflow of transmitter and the uptake of (3H)–(—)–noradrenaline in the cat spleen. Blakeley AG, et al. **Br J Pharmacol** 56(3):364P–365P, Mar 76

The binding of phytohemagglutinin M to rat spleen lymphocytes. Quantitative studies. Dupuis G. **Can J Biochem** 54(8):717–28, Aug 76

Effect of altered lighting regimens, time–limited feeding, and presence of Ehrlich ascites carcinoma on the circadian rhythm in DNA synthesis of mouse spleen. Burns ER, et al. **Cancer Res** 36(5):1538–44, May 76

Polymethacrylic acid: induction of lymphocytosis and tissue distribution. Ross WM, et al. **Cell Tissue Kinet** 8(5):467–77, Sep 75

Norepinephrine turnover in the heart and spleen of the cardiomyopathic Syrian hamster. Sole MJ, et al. **Circ Res** 37(6):855–62, Dec 75

Dynamics of thymidine incorporation by spleen cells from rats infected with Plasmodium berghei. Golenser J, et al. **Clin Exp Immunol** 22(2):364–71, Nov 75

Effects of nerve sectioning and drugs on the catecholamine content in the spleen of the cod, Gadus morhua. Abrahamsson T, et al. **Comp Biochem Physiol [C]** 51(2):231–3, 1 Aug 75

Ontogenesis of catecholamines and some related enzymes in heart and spleen of swine (Sus domesticus). Stanton HC, et al. **Comp Biochem Physiol [C]** 50(2):171–6, 1 Apr 75

Reassociation kinetics of deoxyribonucleic acid in antigen–stimulated mouse–spleen cells. Moav N, et al. **Eur J Biochem** 54(2):419–25, Jun 75

Metabolic activities of histones in rat liver and spleen. Oba Y, et al. **Eur J Biochem** 56(2):343–52, 15 Aug 75

The effect of Fv–2 gene on the incorporation of thymidine in the mouse spleen. Mitani S, et al. **Eur J Cancer** 11(9):649–55, Sep 75

Microbial iron chelates with iron donor properties in hemoglobin–synthesizing cells. Barnekow A, et al. **Exp Hematol** 4(2):70–4, Mar 76

DNA synthesis in rabbit spleen explants. Its relationship to cell division. Harris G, et al. **Immunology** 29(4):687–96, Oct 75

Liver and spleen determinations. pp. 19–31. Bloomer JR, et al.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Letter: Radiation–induced liberation of DNA–protein complex in rat spleen. Kator K. **Int J Radiat Biol** 28(2):199–204, Aug 75

Loss with age in the capacity for erythrogenin production by extrarenal tissues in rats. Kaplan SM, et al. **J Med** 6(2):136–42, 1975

Autoradiographic studies of DNA synthesis in lymphoid tissues. Harris G. **J Microsc (Oxf)** 106(2):173–84, Mar 76

Transfer RNA and transfer RNA methylase activity in spleens of patients with Hodgkin's disease and histiocytic lymphoma. Murphy TL, et al. **J Natl Cancer Inst** 56(2):215–9, Feb 76

Letter: Splenic uptake of 111In. Vieras F. **J Nucl Med** 16(12):1205–6, Dec 75

Influence of the frequency of nerve stimulation on the metabolism of 3H–norepinephrine released from the perfused cat spleen: differences observed during and after the period of stimulation. Dubocovich ML, et al. **J Pharmacol Exp Ther** 198(1):83–101, Jul 76

Accumulation of norepinephrine (NE) by rat organs in vivo. Sivaramakrishna N, et al. **Pharmacology** 13(4):365–77, 1975

Unequal accumulation of alpha– and beta–globin mRNA in erythropoietic mouse spleen. Cheng TC, et al. **Proc Natl Acad Sci USA** 73(6):1811–5, Jun 76

Gene amplification in cell–free systems. Jacherts D, et al. **Z Immunitaetsforsch** 144(3):260–72, Oct 72

[Standardized system for incorporating labelled amino acid in vitro with rat spleen fractions] Angelov E, et al. **Eksp Med Morfol** 14(3):140–4, 1975 (Eng. Abstr.) **(Bul)**

[Comparative studies of the cyclic AMP content and renewal of this nucleotide in thymic, splenic and lymph–node lymphocytes in adult rats] Spach G, et al. **J Physiol (Paris)** 70(1):77–83, May 75 (Eng. Abstr.) **(Fre)**

[Decomposition of lipids by autolysis (author's transl)] Prange CH. **Beitr Pathol** 156(2):155–71, Nov 75 **(Ger)**

[Chromatographic studies of lipids especially of phosphatides in the spleen] Prange CH. **Paediatr Grenzgeb** 14(4):183–90, 1975 (Eng. Abstr.) **(Ger)**

[Effect of chlorpromazine and dexedrine on the synthesis of proteins and nucleic acids in the liver and spleen of rats. Note I] Luca D. **Rev Med Chir Soc Med Nat Iasi** 79(2):255–60, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Incorporation of thymidine–H3 into the DNP of rat tissues following a single injection of DNA] Rysina TN. **Biull Eksp Biol Med** 81(5):533–4, May 76 (Eng. Abstr.) **(Rus)**

[Activation of RNA biosynthesis in the liver and spleen of irradiated rats] Tokarskaia VI, et al. **Dokl Akad Nauk SSSR** 227(4):988–90, 1976 **(Rus)**

[Influence of sodium ribonucleate on the incorporation of labelled precursors into the RNA of the mitochondria of the organs of white rats] Germaniuk IaL, et al. **Farmakol Toksikol** 38(4):463–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[State of oxidative processes in the hematopoietic organs in experimental suppression of hematopoiesis by benzol] Iastrebov AP, et al. **Patol Fiziol Eksp Ter** (2):76–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of whole–body gamma–irradiation on amino acid compartmentalization in rat kidneys and spleen] Dovgalevich II, et al. **Radiobiologiia** 15(6):890–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[DNA metabolism in radiosensitive tissues of rats during prolonged gamma–radiation] Elkina NI. **Radiobiologiia** 16(1):30–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in pyrimidine nucleotide isopliths of hematopoietic system DNA following gamma–irradiation of animals] Kritskiĭ GA, et al. **Radiobiologiia** 15(6):803–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on RNA metabolism. 2. Kinetics of nuclear RNA decomposition in irradiated rat organs] Umanskiĭ SR, et al. **Radiobiologiia** 15(6):807–11, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Preparation of labelled DNA from animal tissues] Rusinova GG, et al. **Vopr Med Khim** 21(5):542–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The role of insulin in the normalization of impairments caused by hydrocortisone in energy metabolism of liver and spleen mitochondria] Sutkovoy DA. **Vopr Med Khim** 21(5):523–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of fast electrons on the nucleic acid level and the biosynthsis of RNA in cells of the ascites tumor NK/Ly and the spleen of tumor–bearing mice] Zerov IuP, et al. **Vopr Onkol** 21(9):72–6, 1975 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Replication of arboviruses in mouse organ cultures. II. Multiplication of virulent and avirulent Semliki Forest and western equine encephalitis viruses in mouse organ cultures. Pattyn SR, et al. **Arch Virol** 41(1):33–7, 1975

Systemic Mycobacterium lepraemurium infection in mice: differences in doubling time in liver, spleen, and bone marrow, and a method for measuring the proportion of viable organisms in an inoculum. Brown IN, et al. **Infect Immun** 13(2):480–6, Feb 76

Viral replication and interferon production in fetal and adult ovine leukocytes and spleen cells. Rinaldo CR Jr, et al. **Infect Immun** 12(5):1070–7, Nov 75

Splenocyte plaque assay for the detection of murine leukemia virus. Melief CJ, et al. **Proc Soc Exp Biol Med** 149(4):1015–8, Sep 75

The effect of homogenisation on the level of scrapie activity detected in cells from spleens of scrapie affected mice. Clarke MC, et al. **Res Vet Sci** 20(1):106–7, Jan 76

[Presence of RNA–and DNA–tumor viruses within a cell line from mouse spleen and thymus (author's transl) Widmaier R, et al. **Arch Geschwulstforsch** 45(5):502–9, 1975 (Eng. Abstr.) **(Ger)**

[Presence of influenza virus in the blood and organs of animals inoculated by intracardiac route] Lacorte JG. **Mem Inst Oswaldo Cruz** 72(1–2):143–5, 1974 (Eng. Abstr.) **(Por)**

[Detection of C–type virus particles in the spleen of low leukemia C57BL mice] Gogichadze GK. **Vopr Virusol** (4):486–7, Jul–Aug 75 **(Rus)**

PATHOLOGY

Erythroblastic islands and extra–medullary erythropoiesis in chronic myeloid leukaemia. Sjögren U. **Acta Haematol (Basel)** 55(5–2):272–6, 1976

How to use cytodiagnostic spleen puncture. Söderström N. **Acta Med Scand** 199(1–2):1–5, 1976

Serum and urine paraprotein and filling defects in the spleen. **Am J Med** 60(4):531–40, Apr 76

Pathogenesis of duck plague in the bursa of Fabricius, thymus, and spleen. Proctor SJ. **Am J Vet Res** 37(4):427–31, Apr 76

Letter: Hairy cell leukemia: in–vitro culture studies. Golde DW, et al. **Ann Intern Med** 85(1):78–9, Jul 76

Pathological changes of golgi complex in hemocytoblasts of spleen of young axolotls after X–irradiation. Turska R. **Ann Med Sect Pol Acad Sci** 20(2):127–8, 1975

Fine–needle aspiration biopsy of the spleen in diagnosis of sarcoidosis. Selroos O. **Ann NY Acad Sci** 278:517–21, 1976

Spleen reactivity in experimental malaria of rodents. Prunescu P, et al. **Arch Roum Pathol Exp Microbiol** 34(4):341–8, Dec 75

Spleen lesions of hemorrhagic enteritis of turkeys. Gross WB, et al. **Avian Dis** 20(3):455–66, Jul–Sep 76

Effect of a 22–day space flight on the lymphoid organs of rats. Durnova GN, et al. **Aviat Space Environ Med** 47(6):588–91, Jun 76

The value of sequential bone marrow biopsy and laparotomy and splenectomy in a series of 127 consecutive untreated patients with non–Hodgkin's lymphoma. Rosenberg SA, et al. **Br J Cancer** 31 SUPPL 2:221–7, Mar 75

Microfluorometry of nuclear acridine orange metachromasia in lymphocytes of thymus, spleen, and blood of AKR and random–bred mice. Alvarez MR. **Cancer Res** 36(3):895–900, Mar 76

Patho–anatomical features of the spleen and liver. Söderström N, et al. **Clin Haematol** 4(2):309–29, Jun 75 (25 ref.)

Experimental vesicular stomatitis virus infection: ultrastructural pathology. Murphy FA, et al. **Exp Mol Pathol** 23(3):426–40, Dec 75

The immune response of phiX 174 in man. III. Evidence for an association between hyposplenism and immunodeficiency in patients with coeliac disease. Baker PG, et al. **Gut** 16(7):538–42, Jul 75

Surface morphology of spleen cells from mice infected with Friend leukemia virus. pp. 231–9. Farber PA, et al.
In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.

Splenic structural physiology in chronic idiopathic thrombocytopenic purpura. pp. 462–71. Barnhart MI, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Splenic lipidoses (a clinicopathological study of primary and secondary haemolipidoses). Rao KS, et al. **Indian J Med Sci** 29(6–7):170–2, Jun–Jul 75

Evidence for reproductive death of dividing cells in thymus and spleen following whole–body gamma–irradiation of mice. Suciu D, et al. **Int J Radiat Biol** 28(5):409–16, Nov 75

The 'septic spleen'—a critical evaluation. Wise R. **J Clin Pathol** 29(3):228–30, Mar 76

Induction of differentiation instabilities in Friend erythroleukemia. Rife LL, et al. **J Reticuloendothel Soc** 18(2):97–106, Aug 75

Spleen and liver weight changes in NZB mice with haemolytic anaemia. Simpson LO. **Lab Anim** 9(4):261–73, Oct 75

Letter: Unusual cell in spleen of Hodgkin's disease. Stuart A. **Lancet** 1(7973):1351, 19 Jun 76

The spleen in chronic renal failure and renal transplantation. George CR, et al. **Proc Clin Dial Transplant Forum** 2:1–4, 1972

Pathological findings in the RES (liver, spleen, lymph nodes, bone marrow) of Thorotrast patients (histological an autoradiographic investigations). Wegener K, et al. **Riso Rep** (294):248–58, Jun 73

Foamy histiocytosis of the spleen in patients with chronic thrombocytopenia. Cohn J, et al. **Scand J Haematol** 16(1):33–7, Jan 76

Chronic malarial infection in Balb/C mice. Effect on the immune response to sheep erythrocytes and histological changes in the liver and spleen. Wedderburn N, et al. **Trans R Soc Trop Med Hyg** 69(5–6):468–72, 1975

[Chromosome study in leukemic C57Bl mice] Léonard A, et al. **C R Soc Biol (Paris)** 169(2):464–7, 1975 (Eng. Abstr.) **(Fre)**

[Evaluation of the involvement of the spleen in Hodgkin's disease] Monconduit M, et al. **Sem Hop Paris** 51(14):935–43, 20 Mar 75 (Eng. Abstr.) **(Fre)**

[Intestinal malabsorption, immunoglobulin deficiency and ileal, lymph node and splenic lymphoid atrophy] Paraf A, et al. **Sem Hop Paris** 51(48):2949–54, 9 Dec 75 **(Fre)**

[Proceedings: Epitheloid–cell granulomas of the spleen in Hodgkin's disease] Schneider HM, et al. **Verh Dtsch Ges Pathol** 59:487, 1975 **(Ger)**

[On the etiology of spindle–shaped acid–fast bodies in the human spleen (author's transl)] Schlüter E, et al. **Virchows Arch [Pathol Anat]** 368(3):205–12, 30 Oct 75 (Eng. Abstr.) **(Ger)**

[Splenic involvement in lymphogranuloma: anatomical and histopathological examination of 75 spleens after splenectomy performed during exploratory laparotomy] Bondi R, et al. **Arch De Vecchi Anat Patol** 60(1):1–27, Aug 74 **(Ita)**

[Dynamics of morphological changes in the spleen in lymphogranulomatosis in children (according to the results of the study of surgical material)] Potapova–Vainogradova IN. **Arkh Patol** 37(10):18–24, 1975 (Eng. Abstr.) **(Rus)**

[Pathological anatomy of lipocalcinogranulomatosis] Kovrizhko NM, et al. **Vestn Dermatol Venerol** (9):66–70, Sep 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hepatocytic ultrastructure in splenectomized rats treated with pregnenolone-16alpha-carbonitrile, a microsomal enzyme inducer. Cathala L, et al. **Acta Anat (Basel)** 93(1):51-9, 1975

Mitogens as probes for studying temperature effects on the development of immunocompetent cells in poikilothermic vertebrates. Wright RK, et al. **Adv Exp Med Biol** 64:325-34, 1975

Effects of splenectomy on production of poly I:C induced serum interferon in rabbits. Nain M, et al. **Arch Virol** 51(1-2):151-5, 1976

Changes in the jugular haematocrit of sheep during feeding. Dooley PC, et al. **Aust J Biol Sci** 28(1):43-53, Feb 75

Lymphocytopoiesis in vitro. Production of small lymphocytes and plasma cells in the isolated perfused spleen. Pabst R, et al. **Biomedicine [Express]** 25(4):133-6, Jun 76

Contrasting splenic mechanisms in the blood clearance of red blood cells and colloidal particles. Klausner MA, et al. **Blood** 46(6):965-76, Dec 75

Limitation of splenic growth as studied by heterotopic splenic implants. Tavassoli M. **Blood** 46(4):631-5, Oct 75

Proceedings: The role of the spleen in the repopulation of the haemopoietic system of mouse radiation chimaeras. Silini G, et al. **Br J Cancer** 32(6):762, Dec 75

Heterogeneity of rabbit platelets. V. Preferential splenic sequestration of megathrombocytes. Freedman ML, et al. **Br J Haematol** 31(2):255-62, Oct 75

Regeneration of intact spleen in a heterotropic site in splenectomized mice. Warner TF, et al. **Br J Haematol** 31(3):405-9, Nov 75

Potassium and the recovery of splenic capsular smooth muscle after cold storage. Bose D, et al.
Can J Physiol Pharmacol 54(03):322-6, Jun 76

The predominant role of the spleen in lymphocyte recirculation. I. Homing of lymphocytes to and release from the isolated perfused pig spleen. Pabst R, et al.
Cell Tissue Kinet 8(6):529-41, Nov 75

The predominant role of the spleen in lymphocyte recirculation. II. Pre- and postsplenectomy retransfusion studies in young pigs. Pabst R, et al. **Cell Tissue Kinet** 9(2):179-89, Mar 76

The role of the spleen in the repopulation of the haemopoietic system of heavily-irradiated mice. Silini G, et al.
Cell Tissue Kinet 9(4):341-50, Jul 76

The proliferative response of the spleen in cryosurgery. Helpap B, et al. **Cryobiology** 13(1):54-60, Feb 76

Production of and response to erythropoietin in the splenectomized mouse. Bozzini CE, et al. **Exp Hematol** 4(2):114-20, Mar 76

Correlation between splenic phagocytic activity and increase in splenic granulocyte/macrophage progenitors. Pluznik DH, et al. **Exp Hematol** 4(3):170-9, May 76

Hemopoietic inductive microenvironments (HIM): implications for myelofibrosis. pp. 77-86. Trentin JJ.
In: Burkhardt R, et al., ed. Dahlem Workshop on Myelofibrosis-Osteosclerosis syndrome. Braunschweig, Vieweg, 1975. W3 AD244 v.16 1974.

Hemopoietic inductive microenvironments. pp. 255-64. Trentin JJ.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975. (39 ref.)

Neoplasms in strains of splenectomized mice after a single 7,12-dimethylbenz[alpha]anthracene treatment. Akamatsu Y. **J Natl Cancer Inst** 55(4):893-7, Oct 75

Role of spleen cells in formation of virus-inhibiting factor or interferon. Nagano Y, et al. **Jpn J Microbiol** 19(3):232-4, Jun 75

Study of haemopoietic microenvironment in vitro. Van Zant GE, et al. **Nature** 260(5552):609-11, 15Apr 76

Thrombokinetics in systemic lupus erythematosus A preliminary report. Bergström AL, et al. **Pahlavi Med J** 7(2):180-94, Apr 76

Lysis of leukemia cells by spleen cells of normal mice. Zarling JM, et al. **Proc Natl Acad Sci USA** 72(7):2780-4, Jul 75

Bone resorption restored in osteopetrotic mice by transplants of normal bone marrow and spleen cells. Walker DG.
Science 190(4216):784-5, 21 Nov 75

Hereditary spherocytosis: a study of splenectomized persons. Schilling RF. **Semin Hematol** 13(3):169-76, Jul 76

Intrasplenic ovarian neoplasm formation: direct measurement of FSH, LH, estrogens, and progestins. Lee S, et al.
Surg Forum 26:149-51, 1975

Adaptation of mice to carbon monoxide and the effect of splenectomy. Zebro T, et al.
Virchows Arch [Pathol Anat] 371(1):35-51, 19 Aug 76

[Further research on an erythropoietic factor of splenic origin] De Franciscis P, et al. **Boll Soc Ital Biol Sper** 50(23-24):2057-62, 30 Dec 74 **(Ita)**

[Chromatographic identification of the splenic protein fraction with erythropoietic activity] de Franciscis P, et al. **Boll Soc Ital Biol Sper** 52(5):312-7, 15 Mar 76 **(Ita)**

[The erythropoietic activity of the spleen of Rana esculenta, in the adult and during metamorphosis] Degli Esposti AM, et al. **Boll Soc Ital Biol Sper** 51(24):1891-7, 30 Dec 75 **(Ita)**

[Erythropoietic activity of the heart in splenectomized Triturus cristatus] Garavini C, et al.
Boll Soc Ital Biol Sper 50(23-24):2111-4, 30 Dec 74 **(Ita)**

[Erythropoiesis in/splenectomized Triturus cristatus] Garavini C, et al. **Boll Soc Ital Biol Sper** 50(23-24):2105-10, 30 Dec 74 **(Ita)**

[Role of human spleen in the release and sequestration of white blood cells] Traczyk Z, et al. **Acta Haematol Pol** 6(3):191-9, Jul-Sep 75 **(Pol)**

[Spleen reaction to prostaglandin injected intraperitoneally in rats] Kerr IB, et al. **Mem Inst Oswaldo Cruz** 73(1-2):71-5, 1975 (Eng. Abstr.) **(Por)**

[Analysis of a control system for speech movements] Sorokin VN. **Biofizika** 20(4):715-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Mathematical model of the cytokinetics of erythropoiesis in mouse bone marrow and spleen] Znojil V, et al.
Biofizika 20(4):661-8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Capacity of regenerated spleen cells to accomplish a graft-versus-host reaction] Kharlova GV, et al.
Biull Eksp Biol Med 81(3):373-4, Mar 76 (Eng. Abstr.) **(Rus)**

[Effect of splenectomy and India ink blockade of Kupffer cells on hepatocyte mitotic activity following hepatectomy] Petrovichev NN. **Biull Eksp Biol Med** 80(7):91-3, Jul 75 (Eng. Abstr.) **(Rus)**

[Role of the spleen in the regulation of erythropoiesis] Koretskaia TI, et al. **Patol Fiziol Eksp Ter** (4):67-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Role of the spleen in the differentiation of T-cells possessing an auxiliary function in the humoral immune reactions in the organism of lethally irradiated recipients of bone marrow transplants] Gambarov SS, et al. **Radiobiologiia** 15(5):684-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A new method for studying splenic reticuloendothelial dysfunction in sickle cell disease patients and its clinical application: a brief report. Casper TJ, et al. **Blood** 47(2):183-8, Feb 76

The spleen and haemolytic disorders. Bowdler AJ.
Clin Haematol 4(1):231-46, Feb 75 (64 ref.)

Proceedings: Abnormalities of splenic function in ulcerative colitis and Crohn's disease. Ryan FP, et al. **Gut** 16(10):834, Oct 75

Radioisotopes in the investigation of splenic function in haemo-proliferative disorders. pp. 162-6. Lewis SM.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

Diffusion chamber hematopoiesis in marrow and spleen cells from mice infected with Rauscher leukemia virus (RLV-A). Koltun LA, et al. **J Surg Oncol** 8(4):333-8, 1976

Spleen cells transmit osteopetrosis in mice. Walker DG.
Science 190(4216):785-7, 21 Nov 75

[The cellular reaction of the rat spleen after extensive loss of liver parenchyma (author's transl)] Halpap B, et al.
Beitr Pathol 156(1):16-31, Sep 75 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Use of the dog spleen for studying effects of irradiation and chemotherapeutic agents, with suggested uses of other organs. Wilcox LD, et al. **Cancer** 38(1):62-72, Jul 76

B lymphocyte differentiation in lethally irradiated and reconstituted mice. I. The effect of Strontium-89 induced bone marrow aplasia on the recovery of the B cell compartment in the spleen. Rozing J, et al.
Cell Immunol 24(1):79-89, 1 Jun 76

Splenic irradiation in the management of chronic granulocytic leukaemia. Jacobs P, et al.
Cent Afr J Med 21(10):207-10, Oct 75

Histological alterations in spleen and bone marrow colonies produced by irradiation of the donor mice. Dunn CD.
Exp Hematol 4(1):32-42, Jan 76

Cytological and histological changes in the spleen of continuously irradiated rats. Praslicka M, et al.
Folia Biol (Praha) 22(2):125-39, 1976

Transplantation of homologous bone marrow cells to lethally irradiated mice - changes in the spleen. Viktora L, et al.
Folia Morphol (Praha) 23(3):210-4, 1975

Residual splenic function in the presence of thorotrast-associated hepatic tumor: case report. Spencer RP, et al. **J Nucl Med** 17(3):200-2, Mar 76

Characterization of free DNP induced by x-irradiation in rat spleen. Kator K. **J Radiat Res (Tokyo)** 16(4):193-202, Dec 75

Mechanisms underlying decreased protein and RNA synthesis in the rat spleen following whole-body X-irradiation. Chetty KG, et al. **Strahlentherapie** 151(3):228-35, Mar 76

Release and retention of labelled DNA in the thymus and spleen of irradiated mice. Suciu D, et al.
Strahlentherapie 151(2):156-61, Feb 76

[Immuno-cyto-adhesion and sublethal irradiation] Beaumariage ML, et al. **C R Soc Biol (Paris)** 169(2):459-63, 1975 (Eng. Abstr.) **(Fre)**

[Changes in protein metabolism following irradiation. 1. Activity of protease, protease pattern, protein and free amino acids in cytoplams and cell organelles of the rat spleem following 600 R whole-body X-ray irradiation] Valet G. **Strahlentherapie** 150(6):608-17, Dec 75 (Eng. Abstr.) **(Ger)**

[Use of monolayer cultures of guinea pig spleen for evaluating the radioprotective effect of mexamine on the survival of colony-forming cells] Baisogolov GD, et al.
Radiobiologiia 16(1):117-20, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of prolonged gamma-irradiation of rats on the biosynthesis of pyrimidine ribonucleotides] Koshcheenko NN, et al. **Radiobiologiia** 15(5):651-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Changes in the physico-chemical properties of DNA of the spleen cells of rats following irradiation with fast neutrons of the fission spectrum] Laneeva NI, et al.
Radiobiologiia 15(4):512-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Modifying effect of adaptation to high-altitude hypoxia on radiation damage to DNA in the spleen of rats] Makeeva VF, et al. **Radiobiologiia** 15(4):605-7, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Role of direct protection of cells of the hematopoietic system in the antiradiation effects of some biogenic amines on the animal organism] Smirnova IB, et al. **Radiobiologiia** 15(5):680-3, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Action of Co60 gamma radiation on the nucleic acid concentration and ribonuclease activity in the splenic tissues of inbred and hybrid mice] Shereshevskaia TsM, et al. **Tsitol Genet** 9(5):404-7, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Hepatosplenography by intravenous injection of a new iodized oily emulsion. Laval-Jeantet M, et al.
Acta Radiol [Diagn] (Stockh) 1F(1):49-60, Jan 76

Normal pancreas and splenic variants simulating suprarenal and renal tumors. Rao AK, et al. **Am J Roentgenol** 126(3):530-7, Mar 76

Radiology now. Recent interest in the spleen. Ayers AB.
Br J Radiol 49(577):1-2, Jan 76

Intravenous hepatosplenography. Experiment evaluation of a new contrast material. Vermess M, et al. **Radiology** 119(1):31-7, Apr 76

[Histologic control after hepatosplenography with intravenous injection of fine emulsions of ethylic esters of iodized fatty acids] Muzzio PC.
J Radiol Electrol Med Nucl 56 suppl 1:24-5, 1975 **(Fre)**

[Clinical conference: Splenic radiotherapy in myeloid leukemia; comparative study of chemotherapy] Revol L, et al. **Nouv Rev Fr Hematol** 15(2):245-9, Mar-Apr 75 **(Fre)**

[The individual limit of normal spleen size in routine x-ray film (author's transl)] Schindler G, et al. **Radiologe** 16(4):166-71, Apr 76 (Eng. Abstr.) **(Ger)**

SECRETION

Evidence against a physiological role of prostaglandins in the regulation of noradrenaline release in the cat spleen. Dubocovich ML, et al. **J Physiol (Lond)** 251(3):737-62, Oct 75

SURGERY

Development of portsoystemic shunts after subcutaneous and extraperitoneal transposition of resected spleen. Bengmark S, et al. **Acta Chir Scand** 141(8):739-45, 1975

The microscopical appearance of the subcutaneously transposed spleen. Börjesson B, et al.
Ann Chir Gynaecol 65(3):220-5, 1976

Are hemisplenectomy and/or primary splenic repair feasible? Grosfeld JL, et al. **J Pediatr Surg** 11(3):419-24, Jun 76

Symposium on surgical techniques in small animal practice. Surgical techniques for the spleen and liver. Furneaux RW.
Vet Clin North Am 5(3):363-81, Aug 75

[Experimental gluing of liver, spleen and kidney wounds with Bulgarian tissue glue] Angelov AG. **Khirurgiia (Sofiia)** 27(5):359-64, 1974 (Eng. Abstr.) **(Bul)**

[Enzyme levels and morphological picture of normal and cirrhotic rat livers following portal vein ligation and subcutaneous transposition of the spleen] Zelder O, et al.
Langenbecks Arch Chir Suppl:7-11, 1975 (Eng. Abstr.) **(Ger)**

[Experiments with splenohepatoplasty in the rat] Colombo P, et al. **Minerva Chir** 30(18):927-40, 30 sep 75 (Eng. Abstr.) **(Ita)**

[Splenohepatoplasty in the treatment of hepatic cirrhosis] Stoica T, et al. **Rev Chir [Chir]** 25(3):175-82, May-Jun 76 (Eng. Abstr.) **(Rum)**

[Study of the thrombocytopoietic activity of the blood plasma in portal hypertension before and after organ-saving operations on the spleen] Aslamazova EB, et al.
Eksp Khir Anesteziol (3):37-9, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Surgical approaches to the liver and spleen] Askerkhanov RP. **Vestn Khir** 114(4):36-40, Apr 75 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Splenic transplantation in rats. Bitter-Suermann H.
Acta Chir Scand [Suppl] (455):1-29, 1975

Osteopetrosis in the IA rat cured by spleen cells from a normal littermate. Marks SC Jr. **Am J Anat** 146(3):331-8, Jul 76

Splenosis: autotransplantation of splenic tissue. Fleming CR, et al. **Am J Med** 61(3):414-9, Sep 76

Morphologic features of spleen allografts in rats. Graft rejection, acceptance, or lethal graft-versus-host disease in the same donor-recipient pairing. Bitter-Suermann H, et al. **Am J Pathol** 81(2):283-303, Nov 75

Stimulation of murine amyloidosis by a dializable product from pretreated donors. Kedar I, et al.

Br J Exp Pathol 56(3):244–6, Jun 75

Transposition of the spleen in rats with portal hypertension. Bengmark S, et al. **Br J Surg** 63(4):268–71, Apr 76

Proceedings: The course of partial duct-ligated pancreas allografts in rats made donor-specific unresponsive by spleen allografts. Bitter-Suermann H, et al. **Br J Surg** 63(2):152, Feb 76

Electrophoresis after homologous spleen transplantation in dogs. Savic B, et al. **Bull Soc Int Chir** 34(1):11–4, 1975

The different migratory characteristics of lymphocyte populations from a whole spleen transplant. Parrott DM, et al. **Clin Exp Immunol** 19(3):459–74, Mar 75

Hematopoietic differentiative properties of murine spleen implanted in the omenta of irradiated and nonirradiated hosts. Haley JE, et al. **Exp Hematol** 3(3):187–96, Jun 75

Influeuence of a neonatal spleen transplant on hematopoiesis of hereditarily asplenic mice. Lozzio BB, et al. **Exp Hematol** 3(3):156–68, Jun 75

Competitive proliferation in the hematopoietic tissues of irradiated hybrid mice engrafted with parental bone marrow and spleen. Muramatsu S, et al. **Exp Hematol** 4(4):188–200, Jul 76

Mitigation of graft–versus–host disease in mice by treatment of donors with bacterial endotoxin. Rose WC, et al. **Exp Hematol** 4(2):90–6, Mar 76

Differences in susceptibility of tissues to revascularization studied in ectopic implants. Tavassoli M. **Experientia** 32(4):515–6, 15 Apr 76

Experimental autogenous grafting of spleen tissue in the peritoneum. Zieliński S, et al. **Folia Morphol (Warsz)** 34(2):157–65, 1975

Letter: Immunological cardiac damage and cell bound antibodies. Gupta RK. **Indian Heart J** 27(4):289, Oct 75

Control of bone resorption by hematopoietic tissue. The induction and reversal of congenital osteopetrosis in mice through use of bone marrow and splenic transplants. Walker DG. **J Exp Med** 142(3):651–63, 1 Sep 75

Local renal graft–versus–host reaction: sequential ultrastructural study. Davies DJ, et al. **Pathology** 7(4):273–80, Oct 75

Induction of secific immunological tolerance to histocompatible renal and skin allografts after donor strain spleen implantation. Taub RN, et al. **Proc Eur Dial Transplant Assoc** 12:423–8, 1976

Population of lymphoid tissues in cured W–anemic mice by donor cells. Harrison DE, et al. **Transplantation** 22(1):42–6, Jul 76

[Changes in the physiol working capacity of rats following splenectomy and autologous transplantation of part of the spleen] Chakurov S. **Eksp Med Morfol** 14(1):16–20, 1975 **(Bul)**

[Splenosis (a review of the literature)] Mladenov V, et al. **Khirurgiia (Sofiia)** 28(1):74–8, 1975 (25 ref.) **(Bul)**

[Sleen enhancement reactions in chick embryo after spleen homografting: autohistoradiography after labeling of graft with tritiated thymidine] Gérard H, et al. **C R Soc Biol (Paris)** 169(5):1260–4, 1975 (Eng. Abstr.) **(Fre)**

[Homotransplantation of the spleen] Savić B. **Fortschr Med** 94(14):829–32, 13 May 76 (Eng. Abstr.) **(Ger)**

[Thoracic transposition of the spleen for portal hypertension in children (author's transl)] Bettex M, et al. **Praxis** 64(34):1071–3, 26 Aug 75 (Eng. Abstr.) **(Ger)**

[Factors determining prolonged chimerism of lymphoid tissue in mice treated with cyclophosphamide] Novikov TK, et al. **Biull Eksp Biol Med** 81(2):194–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Distribution of lysosomal enzyme activity in cells of the renal cortical substance following transplantation of allogenic spleen cells under its capsule] Viksman ME. **Biull Eksp Biol Med** 82(7):886–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of intrathymus infections of cells and subcellular fractions of the donor's spleen on the reaction skin allotransplant rejection in rabbits] Imambaev SE, et al. **Eksp Khir Anesteziol** (3):53–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[A study of H–2 mutations in mice. V. Detection of mutations M505, Hzl and M506 in the host vs transplant reaction] Mnatsakanian IuA, et al. **Genetika** 11(10):30–2, 1975 (Eng. Abstr.) **(Rus)**

[Transplantation of an allogenic spleen into a patient with hemophilia A] Shumakov VI, et al. **Probl Gematol Pereliv Krovi** 21(1):21–7, Jan 76 (Eng. Abstr.) **(Rus)**

[IgM and IgG rosette formation in the primary and secondary immune response in the system of syngeneic transfer of spleen cells] Idoba GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):57–60, Feb 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Platelets, endothelial cells and macrophages in the spleen. An ultrastructural study on perfusion–fixed organs. Elgjo RF. **Am J Anat** 145(1):101–19, Jan 76

An electron microscopy study of the perfusion–fixed spleen. I. Intercellular junctions between sinus lining cells in monkey spleens. Matejka M. **Anat Anz** 139(1–2):60760603–760610–2):130–4, 1976

Cytogenetic studies of the spleen in chronic granulocytic leukaemia. Spiers AS, et al. **Aust NZ J Med** 5(4):295–305, Aug 75

The fine structure of dense lysosomes isolated from rat spleen. Houghton PB, et al. **Beitr Pathol** 157(3):244–50, May 76

Hairy cell leukemia (leukemic reticuloendotheliosis) II. Ultrastructure of the spleen. Burke JS, et al. **Cancer** 37(5):2267–74, May 76

Comparative histochemical and electron microscopic studies of the sinus and venous walls of the human spleen with special reference to the sinus–venous connections. Heusermann U, et al. **Cell Tissue Res** 163(4):519–33, 19 Nov 75

Elementary particles in isolated rat liver and spleen nuclear membranes. Zbarsky IB, et al. **Folia Biol (Praha)** 21(4):250–5, 1975

Ultrastructural analysis of normal and immunized spleen of the snapping turtle, Chelydra serpentina. Borysenko M. **J Morphol** 149(2):243–63, Jun 76

Run–off ribosomes in liver, spleen and pancreas of the rat. De Vries M, et al. **Mol Biol Rep** 2(3):177–9, Oct 75

Cytogenetic differences between bone marrow and spleen in a case of agnogenic myeloid metaplasia developing blast crisis. Brandt L, et al. **Scand J Haematol** 15(3):187–91, Oct 75

[Ultrastructure of the white pulp of hedgehog's spleen while awake, during hibernation and during various phases of arousal] Cirri Borghi MB. **Arch Ital Anat Embriol** 80(3–4):209–41, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Cytogenetic analysis of the cells of leukopoiesis in leukemia of cattle] Birbin SS. **Veterinariia** (12):37–42, Dec 75 **(Rus)**

SPLENECTOMY

Splenunculectomy in recurrent thrombocytopenia. Spero JA, et al. **Acta Haematol (Basel)** 55(6):354–7, 1976

Immunological studies in children before and after splenectomy. Andersen V, et al. **Acta Paediatr Scand** 65(4):409–15, Jul 76

Hyposplenic, coagulopathic, cryptogenetic pneumococcemia. Wenk RE, et al. **Am J Clin Pathol** 64(3):405–9, Sep 75

Splenectomy for palliation of chronic myelocytic leukemia. Gomez GA, et al. **Am J Med** 61(1):14–22, Jul 76

Thrombotic thrombocytopenic purpura—remission following splenectomy. Report of a case and review of the literature. Reynolds PM, et al. **Am J Med** 61(3):439–47, Sep 76

Infections in 92 splenectomized patients with Hodgkin's disease. A clinical review. Schimpff SC, et al. **Am J Med** 59(5):695–701, Nov 75

Thrombotic thrombocytopenic purpura in a previously splenectomized patient. Zacharski LR, et al. **Am J Med** 60(7):1061–3, Jun 76

Overwhelming pneumococcal sepsis 25 years after splenectomy. Grinblat J, et al. **Am J Med Sci** 270(3):523–4, Nov–Dec 75

Therapeutic splenectomy. Cowick D, et al. **Am Surg** 41(9):567–70, Sep 75

Splenectomy in the chronic phase of chronic granulocytic leukemia. Effects in 32 patients. Ihde DC, et al. **Ann Intern Med** 84(1):17–21, Jan 76

Splenectomy in the chronic phase of chronic granulocytic leukemia. Effects in 32 patients. Ihde DC, et al. **Ann Intern Med** 84(1):17–21, Jan 76

Incidental splenectomy: a review of the literature and the New York Hospital experience. Danforth DN Jr, et al. **Ann Surg** 183(2):124–9, Feb 76

Splenectomy: a review of morbidity. Coltheart G, et al. **Aust NZ J Surg** 46(1):32–6, Feb 76

Effect of splenectomy on tolerance to combination chemotherapy in patients with lymphoma. Ihde DC, et al. **Blood** 47(2):211–22, Feb 76

Platelet kinetics in idiopathic thrombocytopenic purpura (ITP) before and at different times after splenectomy. Branehög I. **Br J Haematol** 29(3):413–26, Mar 75

Splenectomy in homozygous beta thalassaemia: a retrospective study of 30 patients. Engelhard D, et al. **Br J Haematol** 31(3):391–403, Nov 75

Regeneration of intact spleen in a heterotropic site in splenectomized mice. Warner TF, et al. **Br J Haematol** 31(3):405–9, Nov 75

Splenectomy in childhood: a review in England and Wales, 1960–4. Walker W. **Br J Surg** 63(1):36–43, Jan 76

Changes in immune status in patients undergoing splenectomy for the staging of Hodgkin's disease. Hancock BW, et al. **Br Med J** 1(6005):313–5, 7 Feb 76

Effects of nitrogen mustard and splenectomy on mouse bone marrow colony formation in vitro. Gunale S, et al. **Cancer** 38(3):1266–71, Sep 76

The influence of splenectomy on the invitro lymphocyte response to phytohemagglutinin and pokeweed mitogen in Hodgkin's disease. Wagener DJ, et al. **Cancer** 36(1):194–8, Jul 75

Antibody formation in mouse bone marrow. IV. The influence of splenectomy on the bone marrow plaque–forming cell response to sheep red blood cells. Benner R, et al. **Cell Immunol** 19(2):167–82, Oct 75

Immunological enhancement of a murine allogeneic tumor in absence of the spleen. Colmerauer ME, et al. **Cell Immunol** 20(2):327–9, Dec 75

Intra–erythrocytary enzymes before and after splenectomy. Hanel HK, et al. **Clin Chim Acta** 65(2):205–11, 1 Dec 75

Toxoplasmosis after splenectomy in sickle cell disease. Report of two cases with recurrence in one child two years following antitoxoplasmic therapy. Chaves–Carballo E, et al. **Clin Pediatr (Phila)** 15(3):270–2, Mar 76

The effect of splenectomy on the hematology and on the activity of delta–aminolevulinic acid dehydratase (ALA–D) in hemopoietic tissues of the dogfish, Scyliorhinus canicula (Elasmobranchii). Fänge R, et al. **Comp Biochem Physiol [A]** 52(4):577–80, 1 Dec 75

Should we attempt to salvage the injured spleen? Strauch GO. **Conn Med** 39(9):533–6, Sep 75

Proceedings: Splenectomy and the electrical activity of the cerebral cortex. Zangemeister W, et al. **Electroencephalogr Clin Neurophysiol** 39(5):532, Nov 75

Splenectomy and myeloblastolytic chemotherapy in early chronic myeloid leukaemia (preliminary report on Protocol LMC/73). pp. 167–72. **In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.**

Surgical techniques in the management of staging. pp. 183–7. Sosin H. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**

The effect of splenectomy on corneal graft rejection. Bourne WM, et al. **Invest Ophthalmol** 15(7):541–2, Jul 76

Splenectomy—a profile of 90 cases. Mehigan D, et al. **Ir Med J** 69(8):206–9, 24 Apr 76

Thrombotic thrombocytopenic purpura occurring despite absence of the spleen: report of case. Shapiro DM, et al. **J Am Osteopath Assoc** 75(9):798–802, May 76

Letter: changes in neutrophil alkaline phosphatase following splenectomy. Kaplow LS. **J Clin Pathol** 29(2):172–4, Feb 76

Overwhelming sepsis following splenectomy for trauma. Balfanz JR, et al. **J Pediatr** 88(3):458–60, Mar 76

Pneumococcal serum opsonizing activity in splenectomized children. Winkelstein JA, et al. **J Pediatr** 87(3):430–3, Sep 75

Are hemisplenectomy and/or primary splenic repair feasible? Grosfeld JL, et al. **J Pediatr Surg** 11(3):419–24, Jun 76

Exploratory laparotomy and splenectomy in the diagnosis of Hodgkin's disease in children. Kolygin BA, et al. **J Surg Oncol** 8(4):345–9, 1976

Splenectomy or radiation and splenectomy for hypersplenism in lymphosarcoma. Shukla SK, et al. **J Surg Oncol** 8(2):99–103, 1976

Bacterial infection and the asplenic host: a review. Dickerman JD. **J Trauma** 16(08):662–8, Aug 76

Letter: Hazards of splenectomy. Craig RP, et al. **Lancet** 1(7973):1351, 19 Jun 76

Letter: Splenectomy in acute lymphatic leukaemia. Jones HE. **Lancet** 2(7938):767, 18 Oct 75

Splenectomy for complications of chronic granulocytic leukaemia. Spiers AS, et al. **Lancet** 2(7936):627–30, 4 Oct 75

Letter: Splenectomy and lymphomas. Stephens RL. **Lancet** 2(7932):464, 6 Sep 75

Nursing care study: idiopathic thrombocytopenic purpura. Reardon N. **Nurs Times** 72(25):980–3, 24 Jun 76

Hereditary spherocytosis with hemolytic crisis during pregnancy. Treatment by splenectomy. Moore A, et al. **Obstet Gynecol** 47(1):19S–21S, Jan 76

Effect of splenectomy on anemia in patients on regular dialysis treatment. Bengmark S, et al. **Scand J Urol Nephrol** 10(1):63–9, 1976

The problem of splenectomy in a leukemic patient population. McBride CM, et al. **South Med J** 69(6):715–8, Jun 76

Staging laparotomy with splenectomy in Hodgkin's disease. Cannon WB, et al. **Surg Annu** 7:103–14, 1975

The surgical and hematologic significance of accessory spleens. Appel MF, et al. **Surg Gynecol Obstet** 143(2):191–2, Aug 76

Splenectomy in chronic myelogenous leukemia. Bednarek JM, et al. **Surg Gynecol Obstet** 143(1):9–11, Jul 76

The coagulation and fibrinolytic response to splenectomy. Butler MJ, et al. **Surg Gynecol Obstet** 142(5):731–6, May 76

Evaluation of splenectomy in chronic myelogenous leukemia. Didolkar MS, et al. **Surg Gynecol Obstet** 142(5):689–92, May 76

The late results of terminal esophagoproximal gastrectomy (TEPG) with intensive devascularization and splenectomy for bleeding esophageal varices in cirrhosis. Yamamoto S, et al. **Surgery** 80(1):106–14, Jul 76

Transplantation of pancreatic islets into the spleen of diabetic rats and subsequent splenectomy. Koncz L, et al. **Transplantation** 21(5):427–9, May 76

Splenectomy—a surgical panorama. Brenning G, et al. **Ups J Med Sci** 81(1):28–30, 1976

Circulatory effects of splenectomy in the horse. IV. Effect on blood flow and blood lactate at rest and during exercise. Persson SG, et al. **Zentralbl Veterinaermed [A]** 22(10):801–7, Dec 75

[Splenectomy for thalassanaemia minor] Chirpukov TI. **Khirurgiia (Sofiia)** 29(2):172, 1976 **(Bul)**

[Late results of splenectomy in traumatic rupture of the spleen] Mateev V, et al. **Khirurgiia (Sofiia)** 28(3):254–8, 1975 (Eng. Abstr.) **(Bul)**

[Effect of thymic humoral factor (THF) in neonataly thymectomized and splenectomized mice (author's transl)] Springer O, et al. **Lijec Vjesn** 98(2):131–8, Mar 76 (Eng. Abstr.) **(Cro)**

[Pathophysiology of enlarged spleen. Early splenectomy indication in chronic lymphatic leukaemia (author's transl)] Videbaek A. **Cas Lek Cesk** 115(8):235–8, 27 Feb 76 (Eng.

Abstr.) (Cze)
[Laparotomy with splenectomy in new cases of Hodgkin's disease] van Hove W, et al. **Acta Clin Belg** 30(4):267–71, 1975 (Eng. Abstr.) (Dut)
[Laparotomy in hematosarcoma. Analysis of 76 splenectomies] Lemaire M, et al. **Acta Clin Belg** 30(4):249–53, 1975 (Eng. Abstr.) (Fre)
[Laparotomy with splenectomy in Hodgkin's disease. Critical study of results in 123 patients] Weisgerber C, et al. **Nouv Presse Med** 4(24):1797–800, 14 Jun 75 (Eng. Abstr.) (Fre)
[Splenectomy and anti-D prevention] Anger H, et al. **Arch Gynaekol** 219(1–4):520–1, 18 Nov 75 (Ger)
[Results of splenectomy in patients with hypoplastic and aplastic anemia] Grosdow DM, et al. **Folia Haematol (Leipz)** 102(6):639–48, 1975 (Eng. Abstr.) (Ger)
[Postoperative changes in immunoglobulin–concentrations after splenectomy. A prospective survey series (author's transl)] Nitsche D, et al. **Langenbecks Arch Chir** 340(3):213–8, 10 Feb 76 (Eng. Abstr.) (Ger)
[Lienal platelet storage and splenectomy in lymphoproloferative hemoblastoses] Heck J, et al. **Med Welt** 26(38):1704–5, 19 Sep 75 (Ger)
[The failure of splenectomy in Werlhof's disease] Bergmann L, et al. **Verh Dtsch Ges Inn Med** 81:1103–5, 1975 (Ger)
[Immunoglobulin–secretion capacity in splenectomized and nonsplenectomized patients with Hodgkin's disease, determined in saliva] Gunzer U, et al. **Verh Dtsch Ges Inn Med** 81:1596–9, 1975 (Ger)
[Assessment of body damage after splenectomy performed because of splenic rupture with special reference to the behavior of immunoglobulins] Blaszczyk N, et al. **Zentralbl Chir** 101(9):556–60, 1976 (Ger)
[Splenectomy from the pediatric view point] Blau HJ, et al. **Zentralbl Chir** 100(8):449–52, 1975 (11 ref.) (Ger)
[Effect of splenectomy on erythropoiesis in newborn rats] Delsignore R, et al. **Ateneo Parmense [Acta Biomed]** 45(1–2):67–74, Jan–APR 74 (Eng. Abstr.) (Ita)
[Pubertal development in splenectomized thalassemic patients] Ferlazzo A. **Minerva Pediatr** 28(20):1309–10, 9 Jun 76 (Ita)
[Evaluation of the phagocytic activity of the neutrophil granulocytes (NTB–test) and the blood immunoglobulin level in splenectomized subjects with beta–thalassemia] Genova R, et al. **Pediatria (Napoli)** 83(1):60–9, 31 Mar 75 (Eng. Abstr.) (Ita)
[A case of essential thrombocythemia diagnosed after splenectomy (author's transl)] Horikohi A, et al. **Jpn J Clin Hematol** 16(3):354–60, Mar 75 (Eng. Abstr.) (Jpn)
[Splenectomy in childhood aplastic anemia (author's transl)] Miyazaki S, et al. **Jpn J Clin Hematol** 15(11):1212–7, Nov 74 (Eng. Abstr.) (Jpn)
[A case of pure red cell aplasia with excellent response to splenectomy (author's transl)] Yamaguchi H, et al. **Jpn J Clin Hematol** 17(5):562–8, May 76 (Eng. Abstr.) (Jpn)
[Hematologic and surgical problems connected with splenectomy in elderly patients] Pawelski S, et al. **Acta Haematol Pol** 7(2):129–38, 1976 (Eng. Abstr.) (Pol)
[T and B lymphocytes in peripheral blood of splenectomized subjects] Pluzańska A, et al. **Acta Haematol Pol** 7(1):13–21, 1976 (Eng. Abstr.) (Pol)
[Splenectomy in children with Hodgkin's disease] Armata J, et al. **Pol Tyg Lek** 30(37):1543–5, 15 Sep 75 (26 ref.) (Pol)
[Changes in the functioning of the anticoagulant system of splenectomized animals during immobilization] Kudriashov BA, et al. **Fiziol Zh SSSR** 62(5):694–8, May 76 (Eng. Abstr.) (Rus)
[Mortality at remote periods after splenectomy in patients with the syndrome of portal hypertension] Patsiora MD, et al. **Khirurgiia (Mosk)** (10):116–8, Oct 75 (Eng. Abstr.) (Rus)
[Laparotomy with splenectomy in diagnosis and treatment of lymphogranulomatosis in children] Koshel' IV, et al. **Pediatriia** (8):13–7, Aug 75 (Eng. Abstr.) (Rus)
[Indications for splenectomy in children with hypoplastic anemia] Aldarov AT, et al. **Probl Gematol Pereliv Krovi** 20(8):25–8, Aug 75 (Rus)
[Our experience in surgical treatment of diseases of the blood system] Altybaev UA, et al. **Probl Gematol Pereliv Krovi** 20(4):24–6, Apr 75 (Rus)
[Splenectomy in patients with myelofibrosis] Klimova NF. **Probl Gematol Pereliv Krovi** 20(3):58–9, Mar 75 (Rus)
[Valve of the radioisotope method of study in the determination of indications for splenectomy in patients with hypo– and aplastic anemia] Kulikova MM, et al. **Probl Gematol Pereliv Krovi** 20(8):28–31, Aug 75 (Eng. Abstr.) (Rus)
[Diagnostic laparotomy and splenectomy in lymphogranulomatosis in children] Kolygin BA, et al. **Vestn Khir** 115(3):65–9, Aug 75 (Eng. Abstr.) (Rus)
[Splenectomy in some diseases of the organs of the blood system in children] Korolev BA, et al. **Vestn Khir** 114(4):100–2, Apr 75 (Eng. Abstr.) (Rus)
[Surgical treatment of congenital hemolytic anemia in children] Lapina SP. **Vestn Khir** 116(4):117–22, Apr 76 (Eng. Abstr.) (Rus)
[Esophageal–gastric hemorrhage in patients with portal hypertension treated by splenectomy] Tsatsanidi KN, et al. **Vestn Khir** 114(4):103–5, Apr 75 (Eng. Abstr.) (Rus)
[Effect of splenectomy on the blood coagulation system in Werlhof's disease and aplastic anemia] Koniukhov SG, et al. **Vrach Delo** (9):41–3, Sep 75 (Eng. Abstr.) (Rus)
[Splenectomy in hematologic diseases] Hutan L, et al. **Rozhl Chir** 55(3):166–73, Mar 76 (Eng. Abstr.) (Slo)
[Our experience in laparotomy in Hodgkin's disease] Sañudo F, et al. **Acta Oncol (Madr)** 11(1):9–17, May–Jun 76 (58 ref.) (Eng. Abstr.) (Spa)
[Malaria–splenectomy and immunocompetence] Pérez Lazano A, et al. **Allergol Immunopathol (Madr)** 3(3):159–64, May–Jun 75 (Eng. Abstr.) (Spa)
[Phagocytosis in patients with splenectomy] Gomez–Estrada H, et al. **Arch Invest Med (Mex)** 6(1):33–40, 1975 (Eng. Abstr.) (Spa)
[Laparotomy and splenectomy in the evaluation of children with Hodgkin's disease] Silva–Sosa M, et al. **Bol Med Hosp Infant Mex** 32(5):815–26, Sep–Oct 75 (Eng. Abstr.) (Spa)
[Effects of splenectomy on coagulation disorders in the chronic hepatic patient. Comments on 8 cases] Díaz Mediavilla J, et al. **Rev Clin Esp** 139(3):269–74, 15 Nov 75 (Spa)
[Splenectomy in paroxysmal nocturnal haemoglobinuria (author's transl)] Cillo M, et al. **Sangre (Barc)** 20(4):394–405, 1975 (Eng. Abstr.) (Spa)
[Early splenectomy as therapy for patients with chronic granulocytic leukaemia (author's transl)] Pizzuto J, et al. **Sangre (Barc)** 20(4):415–24, 1975 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Thrombelastographic studies after splenectomy. Misz M, et al. **Acta Med Acad Sci Hung** 31(3–4):195–9, 1974
Sideroblastic anemia with splenic abscess and fatal thromboemboli after splenectomy. Aleali SH, et al. **Ann Intern Med** 83(5):661–3, Nov 75
Letter: Fatal pneumococcal septicaemia in an 8–year–old child after splenectomy for trauma. Moss PD, et al. **Arch Dis Child** 50(8):668, Aug 75
Letter: Postsplenectomy erythrocytosis, if not polycythemia. Lorber M. **Arch Intern Med** 135(11):1524, Nov 75
Letter: Infections after splenectomy in Hodgkins's disease. Amlot P, et al. **Br Med J** 1(6010):651, 13Mar 76
Postsplenectomy sepsis due to influenzal viremia and pneumococcemia. Roberts GT, et al. **Can Med Assoc J** 115(5):435–7, 4 Sep 76
The influence of splenectomy on cellular immunologic parameters in Hodgkin's disease. Wagener DJ, et al. **Cancer** 37(5):2212–9, May 76
Effect of splenectomy and radiotherapy on lymphocytes in Hodgkin's disease. Sutherland RM, et al. **Clin Oncol** 1(4):275–84, Dec 75
Fatal pneumococcal septicemia with disseminated intravascular coagulation following splenectomy. Lodewick PA. **J Med Soc NJ** 72(9):730–1, Sep 75
Pneumococcal serum opsonizing activity in splenectomized children. Winkelstein JA, et al. **J Pediatr** 87(3):430–3, Sep 75
Complications of abdominal exploration and splenectomy in staging children with Hodgkin's disease. Wayne ER, et al. **J Pediatr Surg** 10(5):677–84, Oct 75
Hypertensive encephalopathy following lienorenal anastomosis. McLaren EH, et al. **J R Coll Surg Edinb** 20(6):387–90, Nov 75
Immunological impairment and susceptibility to infection after splenectomy. Likhite VV. **JAMA** 236(12):1376–7, 20 Sep 76
Editorial: Infective hazards of splenectomy. **Lancet** 1(7970):1167–8, 29 May 76
Septicemia and meningitis in children splenectomized for hodgkin's disease. Chilcote RR, et al. **N Engl J Med** 295(15):798–800, 7 Oct 76
Splenectomy and myelofibrosis. Jacobs P. **S Afr Med J** 50(14):550–1, 27 Mar 76
[Complications of splenectomy] Juvara I, et al. **Rev Chir [Chir]** 24(4):241–8, Jul–Aug 75 (Eng. Abstr.) (Rum)

HISTORY

[History of splenic surgery] Schreiber HW, et al. **Med Welt** 27(24):1212–4, 11 Jun 76 (Ger)

METHODS

[Intracapsular splenectomy: course of 10 cases] Okumura M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):161–5, May–June 76 (Eng. Abstr.) (Por)

VETERINARY

Pneumocystis carinii infection in splenectomized owl monkeys. Long GG, et al. **J Am Vet Med Assoc** 167(7):651–4, 1 Oct 75

SPLENIC ARTERY

Ruptured arteriosclerotic aneurysm of the splenic artery. Lawaetz O, et al. **Acta Chir Scand** 142(4):335–7, 1976
Aneurysm of the splenic artery. Babb RR. **Arch Surg** 111(8):924–5, Aug 76 (28 ref.)
[Aneurysm of the splenic artery ruptured into the stomach] Krivine JM, et al. **Chirurgie** 101(3):218–23, 26 Feb–5 Mar 75 (Eng. Abstr.) (Fre)
[Spontaneous rupture of the splenic vessels occurring in pregnancy. General review apropos of a case of spontaneous rupture of the splenic vein] Bronstein R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):271–90, Mar 74 (49 ref.) (Eng. Abstr.) (Fre)
[Rupture of an aneurysm of the splenic artery at onset of labor] Dellestable P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(2):189–94, Mar 73 (Eng. Abstr.) (Fre)
[Proceedings: Arteriovenous aneurysm of the hilum and spleen] Peter R, et al. **J Radiol Electrol Med Nucl** 56(12):926–7, Dec 75 (Fre)
[Case of rupture of exfoliating aneurysm of the splenic artery] Rozenberg VD. **Klin Med (Mosk)** 53(7):118–20, Jul 75 (Rus)

CYTOLOGY

A morphologically different type of smooth muscle cell in the inner media of the splenic artery. Feigl W, et al. **Acta Anat (Basel)** 94(4):617–25, 1976

IMMUNOLOGY

Quantitation of B and T lymphocytes in guinea pigs with evidence for a release of both cell types from the spleen into the blood. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 50(3):374–84, 1976

PATHOLOGY

[Morphological and histochemical changes in the splenic artery in hypertensive disease] Zakharenko VV. **Vrach Delo** (2):54–7, Feb 74 (Eng. Abstr.) (Rus)

RADIOGRAPHY

The 'starry night' splenic angiogram. Contrast material opacification of the malpighian body marginal sinus circulation in spleen trauma. Scatliff JH, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):91–8, Sep 75
Rupture of a splenic artery aneurysm into the pancreatic duct. Bowers J, et al. **Gastroenterology** 70(6):1152–5, Jun 76
Angiographic patterns of splenic lesions following blunt trauma. An experimental study in monkeys. Berge T, et al. **Invest Radiol** 10(4):329–41, Jul–Aug 75
Massive extra–enteric gastrointestinal bleeding: angiographic diagnosis. Koehler PR, et al. **Radiology** 119(1):41–4, Apr 76
[Stenosis of the trunks of the digestive (abdominal) arteries. Angiographic diagnosis (author's transl)] L'Hermine C, et al. **Ann Radiol (Paris)** 19(3):343–50, May 76 (Eng. Abstr.) (Fre)
[Role of selective arteriography in the diagnosis of injuries of the spleen] Vichard P, et al. **Chirurgie** 101(5):321–6, 16–23 Apr 75 (Eng. Abstr.) (Fre)
[The collateral circulation in the chronic occlusion of the splenic artery] Stolze T, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):386–7, Apr 76 (Ger)

SURGERY

Splenic artery ligation in selected patients with hepatic cirrhosis and in Sprague–Dawley rats. Witte CL, et al. **Surg Gynecol Obstet** 142(1):1–12, Jan 76
[Splenic artery ligature and latero–lateral anastomosis in portal hypertension (author's transl)] Bücheler E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):535–9, Dec 75 (Eng. Abstr.) (Ger)
[Indications and limitations of spleno–femoral bypass. Report of a clinical case] Bresadola F, et al. **Minerva Cardioangiol** 23(8):469–72, Aug 75 (Ita)
[Study of the thrombocytopoietic activity of the blood plasma in portal hypertension before and after organ–saving operations on the spleen] Aslamazova EB, et al. **Eksp Khir Anesteziol** (3):37–9, May–Jun 75 (Eng. Abstr.) (Rus)
[Effect of ligation of the splenic artery on porto–hepatic circulation] Patsiora MD, et al. **Khirurgiia (Mosk)** (11):82–5, Nov 75 (Eng. Abstr.) (Rus)
[Splenic and renal artery anastomosis in vasorenal hypertension] Bulynin VI, et al. **Vestn Khir** 115(12):88–9, Dec 75 (Rus)

SPLENIC DISEASES

Huge epidermoid cyst of the spleen. Morag B, et al. **Int Surg** 60(9):496–7, Sep 75
Hemorrhagic pseudocyst of the spleen. Erdman LH, et al. **J SC Med Assoc** 72(5):179–81, May 76
Editorial: Hepatosplenic schistosomiasis: a tropical noncirrhosis. Conn HO. **Yale J Biol Med** 48(5):349–352, Nov 75
Clinical aspects of hepatosplenic schistosomiasis: a contrast with cirrhosis. Rebouças G. **Yale J Biol Med** 48(5):369–76, Nov 75
[An unusual case of hydatid cyst] Dontigny L, et al. **Can J Surg** 19(1):23–5, Jan 76 (Eng. Abstr.) (Fre)
[Modelling of foreign body 'tumors' of the liver and spleen and study of anatomo–topographic peculiarities of the vessels by the method of intravital catheterization and selective angiography] Kulieva KhD. **Eksp Khir Anesteziol** (1):47–9, 1976 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

[Hepatic, splenic and lymphatic thorotrastosis and

dysglobulinemia] Joubaud F, et al. **Sem Hop Paris** 51(14):959–61, 20 Mar 75 **(Fre)**

COMPLICATIONS

Sideroblastic anemia with splenic abscess and fatal thromboemboli after splenectomy. Aleali SH, et al. **Ann Intern Med** 83(5):661–3, Nov 75

Letter: Thyrotoxicosis associated with splenic atrophy. Brownlie BE, et al. **Lancet** 2(7943):1046–7, 22 Nov 75

Letter: Splenic atrophy and thyrotoxicosis. Premachandra BN. **Lancet** 1(7950):100–1, 10 Jan 76

[Urinary manifestations of non-urological diseases] Dimopoulos C, et al. **Acta Urol Belg** 43(1):90–5, Jan 75 (Eng. Abstr.) **(Fre)**

[Coincidence of Hodgkin's disease and epithelioid-cell granulomatosis in liver and spleen] Stolzenbach G, et al. **Dtsch Med Wochenschr** 101(18):709–11, 30 Apr 76 (Eng. Abstr.) **(Ger)**

[Consumption coagulopathy in a case of cystic spleen (author's transl)] Neidhardt B, et al. **Med Klin** 71(34):1336–9, 20 Aug 76 (Eng. Abstr.) **(Ger)**

[Case of post-traumatic splenic rupture of a true cyst] Papierska J. **Pol Przegl Chir** 48(5A):65–7, 1976 (Eng. Abstr.) **(Pol)**

[Atypical aspects of typhoid fever occurring in patients with hepatosplenic schistosomiasis. Study of 29 cases] Ferreira JM, et al. **Rev Inst Med Trop Sao Paulo** 17(6):368–79, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Primary cardiac amyloidosis with associated splenorenal amyloidosis] Mazzei ES, et al. **Rev Clin Esp** 139(1):37–45, 15 Oct 75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Torsion of a visceroptosed spleen. Shende A, et al. **Am J Dis Child** 130(1):88–91, Jan 76

A new method for studying splenic reticuloendothelial dysfunction in sickle cell disease patients and its clinical application: a brief report. Casper TJ, et al. **Blood** 47(2):183–8, Feb 76

A false positive hepatic filling defect resulting from a splenic cyst. Hall RJ, et al. **Br J Radiol** 48(570):499–500, Jun 75

Torsion of the spleen in a two-year-old boy. Case report. Colin JF, et al. **East Afr Med J** 52(10):596–8, Oct 75

Liver and spleen determinations. pp. 19–31. Bloomer JR, et al.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Epidermoid cyst of the spleen: case report. Garfunkel F. **J Nucl Med** 17(3):196–9, Mar 76

Splenic torsion and accessory spleen: a scintigraphic demonstration. Broker FH, et al. **J Pediatr Surg** 10(6):913–5, Dec 75

Ultrasonic diagnostic examination of liver, gallbladder, pancreas and spleen. Koch CW. **Neth J Med** 19(2):62–73, 1976

Preliminary results of grey-scale ultrasonography in the detection of vinyl chloride related liver and spleen disease. Taylor KJ, et al. **Proc R Soc Med** 69(4):292–5, Apr 76

Liver, gallbladder, and spleen. Carlsen EN. **Radiol Clin North Am** 13(3):543–56, Dec 75

Splenosis Stephenson LW, et al. **South Med J** 68(8):1046–8, Aug 75

Radionuclide scanning of the spleen. Technical modification, normal variants and dimensions. Razzak MA, et al. **Strahlentherapie** 152(1):52–6, Jul 76

Splenic abscess. Lawhorne TW Jr, et al. **Surgery** 79(6):686–9, Jun 76

Posttraumatic splenic cyst. Sasser WD, et al. **Va Med Mon** 103(2):125–6, Feb 76

[Subcapsular spleen hemorrhage. Diagnosis using spleen scintigraphy with technetium sulfide colloid] Molier HL, et al. **Ned Tijdschr Geneeskd** 119(38):1458–61, 20 Sep 75 (Eng. Abstr.) **(Dut)**

[Ultrasonic echotomography of the spleen] Laval-Jeantet M, et al. **Ann Med Interne (Paris)** 126(11):785–8, Nov 75 **(Fre)**

[Scintigraphic image of the spleen in tropical and infectious diseases] Da Rocha AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:693–5, 1975 **(Fre)**

[Technic of Menghini's liver and spleen biopsy from the aspect of laparoscopy] Drobny H, et al. **Dtsch Z Verdau Stoffwechselkr** 35(2):75–9, 1975 **(Ger)**

[Scintigraphic findings in splenic vein thrombosis] Biersack HJ, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):127–30, Feb 75 (Eng. Abstr.) **(Ger)**

[Experiences with 113mIn-labeled erythrocytes for splenic scintigraphy] Löbe J, et al. **Radiobiol Radiother (Berl)** 16(6):761–6, 1975 (Eng. Abstr.) **(Ger)**

[Radionuclid szintigraphy of spleen alterations (author's transl)] Feine U. **Radiologe** 16(4):128–34, Apr 76 (Eng. Abstr.) **(Ger)**

[Prolapse of the spleen into the lesser pelvis, simulating an ovarian tumor] Sirazdinov VG. **Akush Ginekol (Mosk)** (6):68–9, Jun 75 **(Rus)**

[Parasitic cyst of the spleen as a cause of development of 'acute abdomen'] Vartanov IE. **Vestn Khir** 114(2):130, Feb 75 **(Rus)**

[Method of scanning of the spleen and kidneys by use of brommercuroxypropane-mercury-197 (BMOP-Hg-197)] Khripta FP, et al. **Vrach Delo** (1):113–5, Jan 74 (Eng. Abstr.) **(Rus)**

[Scanning of the spleen by means of In 113m] Dolgova-Korubin V. **God Zb Med Fak Skopje** 17:19–24, 1971 (Eng. Abstr.) **(Ser)**

ETIOLOGY

Renal involvement in patients with hepatosplenic Schistosomiasis mansoni. Rocha H, et al. **Am J Trop Med Hyg** 25(1):108–15, Jan 76

Displacement of the spleen in infected pancreatic pseudocyst: case report. Grant RW, et al. **J Nucl Med** 17(3):193–5, Mar 76

Letter: Hashimoto's disease, encephalopathy, and splenic atrophy. Jellinek EH, et al. **Lancet** 1(7971):1248, 5 Jun 76

Rupture of a subcapsular haematoma of the spleen resulting from a penetrating gastric ulcer. Immelman EJ. **S Afr J Surg** 13(4):261–3, Dec 75

[Salmonella cholerae suis var. Kunzendorf infection and splenic abscess] Sámik J, et al. **Orv Hetil** 117(7):413–5, 15 Feb 76 **(Hun)**

[Case of malignant lymphogranuloma with sarcoid-type changes of the spleen] Lapertosa G. **Pathologica** 67(963–964):61–8, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Pancreatic psuedocysts involving the liver and the spleen. Report of 2 cases] Quevedo FC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(4):371–4, Jul–Aug 75 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Detection of schistosomal antigen (S. mansoni) in human kidneys obtained at autopsy (preliminary report). Hoshino-shimizu S, et al. **Rev Inst Med Trop Sao Paulo** 17(6):394–7, Nov–Dec 75

MICROBIOLOGY

Hepatitis B surface antigen carrier state in hepatosplenic schistosomiasis. Lyra LG, et al. **Gastroenterology** 71(4):641–5, Oct 76

PARASITOLOGY

[Salmonellosis of prolonged course associated with hepatic-splenic schistosomiasis mansoni. Analysis of 7 cases] Ferreira JM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):144–50, May–June 76 (Eng. Abstr.) **(Por)**

[Editorial: Prof. Meira and hepato-splenic schistosomiasis] Jamra M. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):141–3, May–June 76 **(Por)**

[Splenic hydatidosis. Report of 3 cases] Moreno de Vega V, et al. **Rev Clin Esp** 139(4):327–32, 30 Nov 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Serum and urine paraprotein and filling defects in the spleen. **Am J Med** 60(4):531–40, Apr 76

Microfilarial granuloma of the spleen. Bhaskaran CS, et al. **Indian J Pathol Microbiol** 18(2):80–3, Apr 75

Epidermoid cyst of the spleen: a case report. Benjarasmeroj S, et al. **J Med Assoc Thai** 59(5):234–7, May 76

PHYSIOPATHOLOGY

Proceedings: The endocrine changes in hepatosplenic schistosomiasis. Ghareeb A. **West Afr J Pharmacol Drug Res** 2(1):96P–97P, Dec 74

[Development of spleenic infection in the mouse following intravenous inoculation of various species of Brucella in smooth (S) or rough (R) phases] Pardon P. **C R Acad Sci [D] (Paris)** 281(1):81–4, 7 Jul 75 **(Fre)**

RADIOGRAPHY

Angiography in expansile lesions of the spleen. Ekelund L, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):81–90, Sep 75

Celiac arteriography following percutaneous splenoportography. Lande A, et al. **Radiology** 114(1):57–8, Jan 75

[Radiological exploration of alveolar echinococcosis. Concerning two cases with hepatic and splenic localization (author's transl)] Soubeyrand C, et al. **J Radiol Electrol Med Nucl** 57(1):13–22, Jan 76 (Eng. Abstr.) **(Fre)**

[False diagnosis of a splenic cyst. A report about arteriography in cystic lesions of the spleen (author's transl)] Baumeister L, et al. **Radiologe** 16(4):140–3, Apr 76 (Eng. Abstr.) **(Ger)**

SURGERY

Chronic torsion of the spleen. Collins JC, et al. **Am Surg** 42(6):427–9, Jun 76

[2 cases of spontaneous, repeated closed rupture of the spleen] Pelovski P. **Khirurgiia (Sofiia)** 28(5):494–6, 1975 **(Bul)**

THERAPY

Transcatheter embolization of the spleen for control of splenic hemorrhage and in situ splenectomy: an experimental study using silicone spheres. Guilford WB, et al. **Radiology** 119(3):549–53, Jun 76

VETERINARY

Experimentally transmitted marble spleen disease in pen-raised wild turkeys. Iltis JP, et al. **J Wildl Dis** 11(4):484–5, Oct 75

SPLENIC INFARCTION

COMPLICATIONS

Pneumoperitoneum associated with splenic infarction and superimposed clostridial infection. Rittenhouse M, et al. **Tex Med** 71(8):47–50, Aug 75

DIAGNOSIS

Splenic accumulation of 99mTc-diphosphonate in a patient with sickle cell disease: case report. Goy W, et al. **J Nucl Med** 17(02):108–9, Feb 76

Letter: Liver-spleen scan in sickle cell anemia. Samuel AM, et al. **J Nucl Med** 17(9):851, Sep 76

Marked enlargement of the left lobe of the liver causing a false-positive spleen image. Chaudhuri TK, et al. **Radiology** 119(1):169–70, Apr 76

ETIOLOGY

Splenic infarction in sickle cell-hemoglobin C disease. Demonstration by selective splenic arteriogram and scintillation scan. Yeung KY, et al. **Arch Intern Med** 136(8):905–11, Aug 76

[Splenic infarct revealing paratyphoid fever in a child] Gautier-Benoit C, et al. **Lille Med** 20(7):630–1, Aug–Sep 75 **(Fre)**

[Proceedings: Splenic infarction as a result of salmonellosis] Hogedez G, et al. **Pediatrie** 30(3):312, Apr–May 75 **(Fre)**

RADIOGRAPHY

Massive splenic infarction in cirrhosis: report of a case with spontaneous disappearance of hypersplenism. Capron JP, et al. **Gastroenterology** 71(2):308–10, Aug 76

SURGERY

[Splenomegaly with large and multiple infarcts of unknown etiology] Kiranov IG, et al. **Khirurgiia (Sofiia)** 28(3):285–8, 1975 **(Bul)**

VETERINARY

Bovine cerebral theileriosis: a report on five cases with splenic infarction. van Rensburg IB. **J S Afr Vet Assoc** 57(2):137–41, Jun 76

SPLENIC NEOPLASMS

Multiple lymphangioendothelioma of the spleen in a 13-year-old girl. Hamoudi AB, et al. **Arch Pathol** 99(11):605–6, Nov 75

Giant haemolymphangioma of spleen. Jain SP. **East Afr Med J** 52(5):294–8, May 75

Primary lymphoma of spleen (a case report). Aikat BK, et al. **Indian J Pathol Microbiol** 18(2):101–4, Apr 75

[Evaluation of the involvement of the spleen in Hodgkin's disease] Monconduit M, et al. **Sem Hop Paris** 51(14):935–43, 20 Mar 75 (Eng. Abstr.) **(Fre)**

[Fever, edema, ascites and hepatosplenomegaly: malignant reticulohistiocytosis originating at the spleen] Hasegawa Y, et al. **Jpn J Clin Med** Spec No:794–5, 1166–9, 10 Apr 75 **(Jpn)**

[Sarcoma of the spleen] Ionescu A, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):301–3, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Isolated lymphogranulomatosis of the abdominal organs] Baranovskii GI, et al. **Khirurgiia (Mosk)** (4):121–3, Apr 76 **(Rus)**

[Vascular tumor of the spleen] Soboleva SS, et al. **Klin Med (Mosk)** 53(6):51–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Primary reticulosarcoma of the spleen] Soboleva SS, et al. **Ter Arkh** 47(6):38–43, 1975 **(Rus)**

[Spleen 'primary' lymphoma (author's transl)] Bajo Gómez R, et al. **Sangre (Barc)** 20(4):487–92, 1975 (Eng. Abstr.) **(Spa)**

BLOOD

'Hairy' cell leukaemia (leukaemic reticuloendotheliosis): a scanning electron microscopic study of eight cases. Golomb HM, et al. **Br J Haematol** 29(3):455–60, Mar 75

COMPLICATIONS

Splenoma with portal hypertension. Bhagwat AG, et al. **Br Med J** 3(5982):520, 30 Aug 75

Metastatic reticulum cell sarcoma and lactic acidosis. Kachel RG. **Cancer** 36(6):2056–9, Dec 75

Cystic hemangioma of the spleen in a schizophrenic patient. Bodedain W. **South Med J** 69(6):805–7, Jun 76

[Delayed rupture of a metastatic-spleen following coeliacography (author's transl)] Giensch M. **Radiologe** 16(4):149–50, Apr 76 (Eng. Abstr.) **(Ger)**

[Splenohepatic hemangiosarcoma with laceration of the spleen] Martinazzi M, et al. **Tumori** 61(6):575–80, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Diffuse cavernous hemangioma of the spleen. Ejeckam GC. **Can J Surg** 19(4):354–6, Jul 76

Encasement of the spleen: case report. Johnson PM, et al. **J Nucl Med** 16(8):718–9, Aug 75

[Angiography, scintigraphy and ultra sound in the diagnosis of splenic or hepatic disease in Hodgkin's disease (author's transl)] Czembirek H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):403–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Diagnostic value of splenectomy in a case of splenic angioma and Hodgkin's disease with fever] Dyk T, et al. **Pol Tyg Lek** 31(25):1083–4, 21 Jun 76 (Eng. Abstr.) **(Pol)**

[Method of scanning of the spleen and kidneys by use of brommercuroxypropane–mercury–197 (BMOP–Hg–197)] Khripta FP, et al. **Vrach Delo** (1):113–5, Jan 74 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Hamartoma of the spleen: a manfestation of tuberous sclerosis. Darden JW, et al. **Am Surg** 41(9):564–6, Sep 75

IMMUNOLOGY

[Letter: Spleno–lymph nodal lympho–plasmocytic a sarcomas discovered by laparotomy during hemolytic anemia with antibodies] Diebold J, et al. **Nouv Presse Med** 5(23):1486–7, 5 Jun 76 **(Fre)**

METABOLISM

Ferritin synthesis by splenic tumor tissue of Hodgkin's disease. Sarcione EJ, et al. **Experientia** 31(11):1334–5, 15 Nov 75

PATHOLOGY

Staging procedures in mycosis fungoides. Griem ML, et al. **Br J Cancer** 31 SUPPL 2:362–7, Mar 75

Unusual metastasis from an anaplastic carcinoma in the parotid gland. Teears RJ, et al. **J Oral Surg** 34(6):551–2, Jun 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 41–1976. **N Engl J Med** 295(15):828–34, 7 Oct 76

Multifocal haemangiomatous malformation: a case report. Kings GL. **Thorax** 30(4):485–8, Aug 75

[Diffuse skeletal hemangiomatosis with visceral hemangiomas] Van den Bosch J, et al. **Ned Tijdschr Geneeskd** 119(43):1669–74, 25 Oct 75 (Eng. Abstr.) **(Dut)**

[Explorative laparotomy with splenectomy in malignant lymphomas (author's transl)] da Costa PM. **Acta Chir Belg** 74(6):602–15, Nov 75 (Eng. Abstr.) **(Fre)**

[Splenic involvement in lymphogranuloma: anatomical and histopathological examination of 75 spleens after splenectomy performed during exploratory laparotomy] Bondi R, et al. **Arch De Vecchi Anat Patol** 60(1):1–27, Aug 74 **(Ita)**

[Association of chronic lymphocytic leukemia with Kaposi's disease localized in skin, lymph nodes and spleen] Pannacciulli I, et al. **Pathologica** 67(967–968):205–15, May–Jun 75 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Angiography in disease of the peripancreatic lymph nodes. Tylén U. **Acta Radiol [Diagn] (Stockh)** 16(6):625–32, Nov 75

Angiography in expansile lesions of the spleen. Ekelund L, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):81–90, Sep 75

Angiographic demonstration of a calcified splenic hamartoma. Komaki S, et al. **Radiology** 121(1):77–8, Oct 76

[Angiographic diagnostics of splenic tumours (author's transl)] Horák J, et al. **Cesk Radiol** 29(5):348–55, Sep 75 (Eng. Abstr.) **(Cze)**

[Angiography of splenic metastases in a case of bronchial neoplasm] Litvin B, et al. **J Belge Radiol** 58(3):187–8, May–Jun 75 **(Fre)**

[Critical evaluation in digestive angiography of the study of the spleen and pancreas] Bigot JM, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:205–8, 1975 **(Fre)**

[Proceedings: primary reticulosarcoma of the spleen] Huber B, et al. **J Radiol Electrol Med Nucl** 56(12):926, Dec 75 **(Fre)**

[Cystic lymphangioma of the spleen in a 15 years old boy] Kaip E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):83–4, Jul 76 **(Ger)**

SURGERY

Hemangiosarcoma of liver and spleen treated by hepatic artery ligation, intraportal infusion chemotherapy, and splenectomy. Nagasue N, et al. **Cancer** 38(3):1386–90, Sep 76

THERAPY

Chronic disseminated intravascular coagulation. Report of a case of giant hemangioma of the spleen. Shen P, et al. **Chin Med J [Engl]** 1(5):350–4, Sep 75

SPLENIC RUPTURE

Delayed rupture of the spleen. Dahiya SL, et al. **Int Surg** 61(5):295–6, May 76

[Spontaneous splenic rupture in the newborn] Girotti M, et al. **Riv Ital Ginecol** 56(1):55–62, Jan 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Spontaneous rupture of the spleen. An unusual complication of anticoagulant therapy. Soyer MT, et al. **Arch Surg** 111(5):610, May 76

COMPLICATIONS

Late sucessful treatment of splenic rupture in a haemophilic boy. Gibson B, et al. **Br Med J** 1(6004):260–2, 31 Jan 76

Factor XIII deficiency: report of a case complicated by splenic rupture. Bregman R, et al. **Nebr Med J** 61(3):80–3, Mar 76

[Splenic rupture in the course of hepatosplenic and lymph node tuberculosis] Bentata M, et al. **Bull Soc Pathol Exot** 68(2):159–64, Mar–Apr 75 **(Fre)**

[Severe complications following delayed hemorrhage from ruptured spleen] Waliszewski Z, et al. **Pol Przegl Chir** 47(12):1575–7, Dec 75 (Eng. Abstr.) **(Pol)**

[Multiple rupture of the liver, spleen, transverse colon, its mesentery and the lesser omentum in blunt abdominal injury] Bratanchuk BF, et al. **Vestn Khir** 114(2):115, Feb 75 **(Rus)**

DIAGNOSIS

Unusual scan presentations of splenic rupture. Spencer RP, et al. **Conn Med** 40(7):456–7, Jul 76

Radionuclide scintigraphy: a diagnostic aid in delayed traumatic splenic rupture: case report. Shih WJ. **J Nucl Med** 16(10):912–4, Oct 75

Rupture of the spleen in the newborn: treatment without splenectomy. Matsuyama S, et al. **J Pediatr Surg** 11(1):115–6, Feb 76

The spleen. Lim RC. **Med Times** 104(6):82–8, Jun 76

Three faces of splenic rupture. Smith JS, et al. **Pa Med** 78(8):68–9, Aug 75

Delayed rupture or delayed diagnosis of rupture of the spleen. Benjamin CI, et al. **Surg Gynecol Obstet** 142(2):171–2, Feb 76

Scanning in the diagnosis of hepatic and splenic trauma. Fitzer PM. **Va Med Mon** 103(1):30–3, Jan 76

[Subcapsular spleen hemorrhage. Diagnosis using spleen scintigraphy with technetium sulfide colloid] Molier HL, et al. **Ned Tijdschr Geneeskd** 119(38):1458–61, 20 Sep 75 (Eng. Abstr.) **(Dut)**

[The diagnosis of spleen rupture] Eichfuss HP, et al. **Chirurg** 46(6):283–5, Jun 75 **(Ger)**

[Early diagnosis of a protracted traumatic splenic hemorrhage] Bodner E, et al. **Monatsschr Unfallheilkd** 78(9):417–22, Sep 75 (Eng. Abstr.) **(Ger)**

[Splenic rupture in mononucleosis—an uncommon cause of acute abdomen] Bertheau J, et al. **Lakartidningen** 73(19):1842, 5 May 76 **(Swe)**

ETIOLOGY

Rupture of the spleen in erythroblastosis fetalis. Coulter JB, et al. **Arch Dis Child** 50(5):398–400, May 75

Rupture of the spleen in infective endocarditis. Vergne R, et al. **Arch Intern Med** 135(9):1265–7, Sep 75

Fatal rupture of the spleen in Hodgkin's disease. de Silva MI, et al. **Ceylon Med J** 20(4):254–5, Dec 75

Hemorrhagic pseudocyst of the spleen. Erdman LH, et al. **J SC Med Assoc** 72(5):179–81, May 76

Spontaneous rupture of the spleen in systemic lupus erythematosus. Krauser RE. **JAMA** 236(10):1149, 6 Sep 76

[Letter: Spontaneous splenic rupture] Joosten HJ, et al. **Ned Tijdschr Geneeskd** 119(47):1863–4, 22 Nov 75 **(Dut)**

[Delayed rupture of a metastatic-spleen following coeliacography (author's transl)] Giensch M. **Radiologe** 16(4):149–50, Apr 76 (Eng. Abstr.) **(Ger)**

[On traumatic perforation of the wall of the stomach with rupture of the spleen (author's transl)] Paar O. **Unfallheilkunde** 79(8):369–70, Aug 76 (Eng. Abstr.) **(Ger)**

[Spontaneous splenic rupture in acute lymphoblastic leukemia] Sukenik S, et al. **Harefuah** 89(1):23–5, 1 Jul 75 (Eng. Abstr.) **(Heb)**

[Splenohepatic hemangiosarcoma with laceration of the spleen] Martinazzi M, et al. **Tumori** 61(6):575–80, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Case of post-traumatic splenic rupture of a true cyst] Papierska J. **Pol Przegl Chir** 48(5A):65–7, 1976 (Eng. Abstr.) **(Pol)**

[Spontaneous rupture of the spleen in a patient with suppurative pancreatitis] Zverkova MP, et al. **Klin Khir** (2):69–70, 1975 **(Rus)**

PATHOLOGY

[Splenosis (a review of the literature)] Mladenov V, et al. **Khirurgiia (Sofiia)** 28(1):74–8, 1975 (25 ref.) **(Bul)**

RADIOGRAPHY

Rupture of the spleen in a newborn infant: report of a new roentgen siga. Marquis JR, et al. **Radiology** 119(1):177–8, Apr 76

[Spontaneous splenic rupture] Clarijsen WW, et al. **Ned Tijdschr Geneeskd** 119(38):1461–4, 20 Sep 75 (Eng. Abstr.) **(Dut)**

[Importance of arteriography in the diagnosis of splenic trauma (author's transl)] Delvigne J, et al. **Acta Chir Belg** 74(3):317–26, May 75 (Eng. Abstr.) **(Fre)**

[Case of spontaneous rupture of the spleen diagnosed by selective arteriography] Simon P, et al. **Chirurgie** 101(6):421–2, 30 Apr–7 May 75 **(Fre)**

[Role of selective arteriography in the diagnosis of injuries of the spleen] Vichard P, et al. **Chirurgie** 101(5):321–6, 16–23 Apr 75 (Eng. Abstr.) **(Fre)**

[X-ray diagnosis of splenic injury] Oba S. **Jpn J Clin Radiol** 20(9):779–80, Sep 75 **(Jpn)**

[Rupture of the spleen; the value of angiography] Thorsen G. **Tidsskr Nor Laegeforen** 95(27):1518–9, 30 Sep 75 (Eng. Abstr.) **(Nor)**

SURGERY

Should we attempt to salvage the injured spleen? Strauch GO. **Conn Med** 39(9):533–6, Sep 75

Overwhelming sepsis following splenectomy for trauma. Balfanz JR, et al. **J Pediatr** 88(3):458–60, Mar 76

[Late results of splenectomy in traumatic rupture of the spleen] Mateev V, et al. **Khirurgiia (Sofiia)** 28(3):254–8, 1975 (Eng. Abstr.) **(Bul)**

[Assessment of body damage after splenectomy performed because of splenic rupture with special reference to the behavior of immunoglobulins] Blaszczyk N, et al. **Zentralbl Chir** 101(9):556–60, 1976 **(Ger)**

[Subcutaneous traumatic splenic rupture] Reiher P, et al. **Zentralbl Chir** 100(4):232–7, 1975 **(Ger)**

[Delayed rupture of the spleen] Schmidt HW, et al. **Zentralbl Chir** 101(12):744–51, 1976 (Eng. Abstr.) **(Ger)**

THERAPY

Nonoperative treatment of splenic injury—report of a case. Shafir R, et al. **J Trauma** 15(10):935–6, Oct 75

SPLENIC VEIN

Editorial: Splenic vein obstruction: a curable cause of variceal bleeding. Babb RR. **Am J Dig Dis** 21(6):512–3, Jun 76

X-ray of the month: splenic vein thrombosis. Scott RL, et al. **J Tenn Med Assoc** 69(3):197–8, Mar 76

13N–ammonia test and urea index in a patient with splenic vein obstruction and cirrhosis of the liver. Hazenberg HJ, et al. **Neth J Med** 19(3):127–34, 1976

[Duodenal ulcer as a cause of splenic vein thrombosis and esophageal varices] Poulsen HE, et al. **Ugeskr Laeger** 138(28):1712–3, 5 Jul 76 (Eng. Abstr.) **(Dan)**

[Spontaneous rupture of the splenic vessels occurring in pregnancy. General review apropos of a case of spontaneous rupture of the splenic vein] Bronstein R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):271–90, Mar 74 (49 ref.) (Eng. Abstr.) **(Fre)**

[Proceedings: Arteriovenous aneurysm of the hilum and spleen] Peter R, et al. **J Radiol Electrol Med Nucl** 56(12):926–7, Dec 75 **(Fre)**

[Digestive hemorrhages in diffuse spleno–portal thrombosis. Emergency treatment with ligation of the esophagus on Murphy's button (apropos of 4 cases)] Huguet C, et al. **Med Chir Dig** 4(1):31–4, 1975 (Eng. Abstr.) **(Fre)**

[Clinical variants of thrombophlebitic splenomegaly] Geshelin SA. **Vrach Delo** (11):71–4, Nov 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Quantitation of B and T lymphocytes in guinea pigs with evidence for a release of both cell types from the spleen into the blood. Sandberg G, et al. **Int Arch Allergy Appl Immunol** 50(3):374–84, 1976

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 40–1975. **N Engl J Med** 293(15):764–9, 9 Oct 75

RADIOGRAPHY

Splenic vein thrombosis. Case report. Codd JE. **Mo Med** 73(1):22–4, Jan 76

Bulbous splenic vein as a cause of renal pseudotumor. Hyman RA. **Radiology** 120(3):551–2, Sep 76

SURGERY

Peripheral vasopressin for safe and adequate control of portal hypertension during shunt operations. Sirinek KR, et al. **Am J Surg** 131(1):103–7, Jan 76

Portosystemic shunting in patients with primary biliary cirrhosis: a good risk disease. Bauer JJ, et al. **Ann Surg** 183(3):324–8, Mar 76

Survival from acute hepatorenal syndrome following splenorenal shunt. Fischer JE, et al. **Ann Surg** 184(1):22–5, Jul 76

The fate of esophageal varices following selective distal splenorenal shunt. Hutson DG, et al. **Ann Surg** 183(5):496–501, May 76

Risks in therapeutic portacaval and splenorenal shunts. Malt RA, et al. **Ann Surg** 184(3):279–88, Sep 76

Recurrent variceal hemorrhage following successful Warren shunt. Carlson RE, et al. **Arch Surg** 111(5):587–9, May 76

Ultrasonic flow detection for localization of splenic and renal veins. Johnson WC. **Arch Surg** 111(9):1032, Sep 76

Retroperitoneal approach for portasystemic decompression.

Stoney RJ, et al. **Arch Surg** 110(11):1347–50, Nov 75
Alterations of portal hemodynamics after splenorenal shunts. Schulz DJ, et al. **Bull Soc Int Chir** 34(3):171–4, 1975
Proceedings: Flow and pressure characteristics of the portal system before and after spleno-renal shunts. Nabseth DC, et al. **J Cardiovasc Surg (Torino)** 17(1):96–7, Jan–Feb 76
Shunt operations for portal hypertension. Hermann RE. **Surg Clin North Am** 55(5):1073–87, Oct 75
Flow and pressure characteristics of the portal system before and after splenorenal shunts. Nabseth DC, et al. **Surgery** 78(6):739–48, Dec 75
[Various methods of anastomosis with the use of splenic vein in the surgery of portal vein hypertension] Bürger K, et al. **Zentralbl Chir** 100(21):1316–23, 1975 **(Ger)**
[Spleno-renal anastomosis: apropos of 500 cases. Special reference to schistosomic portal hypertension] Okumura M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):503–12, Nov–Dec 75 (Eng. Abstr.) **(Por)**
[Splenorenal anastomosis as an urgent and elective surgery in portal hypertension. Results up to this time] Fajgelj I, et al. **Med Pregl** 28(3–4):115–9, 1975 (Eng. Abstr.) **(Ser)**
[Portal hypertension. Porto-systemic shunts] Pataro VF, et al. **Angiologia** 27(5):207–12, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

SPLENOMEGALY

Editorial: Tropical splenomegaly syndrome. **Lancet** 1(7968):1058–9, 15 May 76
The tropical splenomegaly syndrome. A current appraisal. Marsden PD, et al. **Rev Inst Med Trop Sao Paulo** 18(1):54–70, Jan–Feb 76 (102 ref.)
[Prognostic factors in idiopathic myeloid splenomegaly] Vorhauer-Atlan W, et al. **Ann Anat Pathol (Paris)** 20(3):259–76, May–Jul 75 (Eng. Abstr.) **(Fre)**

BLOOD

The rôle of plasma proteins in chronic expansion of plasma volume in tropical splenomegaly syndrome. III. The interrelationships of albumin, immunoglobulins and plasma volume. Crane GG, et al. **Trans R Soc Trop Med Hyg** 69(2):212–20, 1975
[Correlation of splenomegaly and blood picture changes in graft vs host reaction of the mouse] Witting C, et al. **Blut** 31(4):229–38, Oct 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Hepato- and splenomegaly due to phenacetin abuse] van den Broek PJ, et al. **Ned Tijdschr Geneeskd** 120(1):20–4, 3 Jan 76 (Eng. Abstr.) **(Dut)**
[Vitiligo, hepato-splenomegaly, and goitre after working with paratertiary butylphenol (author's transl)] Rodermund OE, et al. **Dtsch Med Wochenschr** 100(43):2216, 2221–2, 24 Oct 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Mechanism of dilutional anemia in massive splenomegaly. Hess CE, et al. **Blood** 47(4):629–44, Apr 76
Proceedings: Spleen size in patients with breast cancer. Roberts JG, et al. **Br J Cancer** 31(2):262, Feb 75
[Drainage stenosis of the celiac trunc, portal hypertension with splenomegaly and formation of varices] v Koppenfels R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):282–3, Sep 75 **(Ger)**
[Giant hemangioma of the stomach with splenomegaly as cause of intestinal hemorrhage] Weiss A. **Zentralbl Chir** 100(20):1272–4, 1975 **(Ger)**
[Arteriovenous shunts in congestive splenomegaly] Busachi C, et al. **Boll Soc Ital Biol Sper** 51(18):1120–5, 30 Sep 75 **(Ita)**
[An autopsy case of lymphadenopathy and hepatosplenomegaly associated with polyclonal hypergammaglobulinemia, immunoglobulin fragments in serum and urine, along with a review of literature in Japan (author's transl)] Iwanaga T, et al. **Jpn J Clin Hematol** 17(5):544–52, May 76 (Eng. Abstr.) **(Jpn)**
[A case of primary myelofibrosis associated with massive splenomegaly (author's transl)] Koike K, et al. **Jpn J Clin Hematol** 16(11):1072–8, Nov 75 (Eng. Abstr.) **(Jpn)**
[Diagnostic difficulties in a case of miliary tuberculosis associated with splenomegaly] Schier J, et al. **Pol Tyg Lek** 30(38):1579–81, 22 Sep 75 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Differential diagnosis of chronic splenomegaly by grey-scale ultrasonography: Clinical observations and digital A-scan analysis. Taylor KJ, et al. **Br J Radiol** 49(582):519–25, Jun 76
Liver-spleen scintiscan in kala-azar: case report. Maniot AL. **J Nucl Med** 16(12):1128–9, Dec 75
[Chronic pseudomalignant immuneproliferation (Canale-Smith syndrome) (author's transl)] Kellerer K, et al. **Eur J Pediatr** 121(3):203–13, 4 Feb 76 (Eng. Abstr.) **(Ger)**
[Differential diagnosis of splenomegaly] Waller HD. **Z Allgemeinmed** (26):1134–41, 20 Sep 75 **(Ger)**
[Ultrasonics in diagnosis of the upper abdomen] Destro F, et al. **Minerva Med** 67(1):30–43, 7 Jan 76 **(Ita)**
[Clinical variants of thrombophlebitic splenomegaly] Geshelin SA. **Vrach Delo** (11):71–4, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Fulminant tropical splenomegaly syndrome. Jones IG, et al. **Med J Aust** 2(16):645–7, 18 Oct 75

ETIOLOGY

Massive splenomegaly, pancytopenia and haemolytic anaemia in sarcoidosis. Thadani U, et al. **Acta Haematol (Basel)** 53(4):230–40, 1975
Malignant histiocytosis with massive splenomegaly in asymptomatic patients. A possible chronic form of the disease. Vardiman JW, et al. **Cancer** 36(2):419–27, Aug 75
Graft-versus-host response, measured by splenomegaly assay, by populations of allosensitized mouse lymphocytes. Lilliehöök B, et al. **Cell Immunol** 23(2):203–10, May 76
Hepatosplenomegaly of unknown etiology. Ziai M. **Clin Pediatr (Phila)** 15(1):92, Jan 76
Letter: Aetiology of splenomegaly. **J Assoc Physicians India** 23(4):295–6, Apr 75
Editorial: The tropical splenomegaly syndrome. **Med J Aust** 2(16):625–6, 18 Oct 75
Liver dysfunction and tea eating. Murphy KJ. **Med J Aust** 2(11):428–9, 13 Sep 75
[Extra-articular manifestations of rheumatoid arthritis. (1). Splenomegaly] Tadenuma T, et al. **Ryumachi** 15(2):122–7, Jul 75 (Eng. Abstr.) **(Jpn)**
[Malaria-splenectomy and immunocompetence] Pérez Lazano A, et al. **Allergol Immunopathol (Madr)** 3(3):159–64, May–Jun 75 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

FV-4: a new gene affecting the splenomegaly induction by Friend leukemia virus. Suzuki S. **Jpn J Exp Med** 45(6):473–8, Dec 75

IMMUNOLOGY

Immunological studies in children before and after splenectomy. Andersen V, et al. **Acta Paediatr Scand** 65(4):409–15, Jul 76
Tropical splenomegaly syndrome: an immune complex disease. Ssebabi EC, et al. **East Afr Med J** 52(12):680–5, Dec 75
The tropical splenomegaly syndrome. A current appraisal. Marsden PD, et al. **Rev Inst Med Trop Sao Paulo** 18(1):54–70, Jan–Feb 76 (102 ref.)

OCCURRENCE

Letter: Ethiopia. Davey MG. **Med J Aust** 2(4):153, 26 Jul 75

PARASITOLOGY

Hepato-splenic schistosomiasis (endemic-hepatosplenomegaly). Mousà AH. **Egypt J Bilharz** 2(1):1–21, 1975

PATHOLOGY

[Anemia, splenomegaly and acute hepatic insufficiency] **Medicina (B Aires)** 36(2):144–50, 1976 **(Spa)**

PHYSIOPATHOLOGY

Effect of B-blockers on the hepatic blood flow in bilharzial hepatosplenomegaly. Fayez MA, et al. **J Egypt Med Assoc** 58(1–2):13–9, 1975
[Pathophysiology of enlarged spleen. Early splenectomy indication in chronic lymphatic leukaemia (author's transl)] Videbaek A. **Cas Lek Cesk** 115(8):235–8, 27 Feb 76 (Eng. Abstr.) **(Cze)**

PREVENTION & CONTROL

Inhibitory effect of a streptococcal preparation (OK-432) on induction of splenomegaly by Friend leukemia virus. Suzuki S, et al. **Gann** 66(4):455–6, Aug 75

RADIOGRAPHY

[Critical evaluation in digestive angiography of the study of the spleen and pancreas] Bigot JM, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:205–8, 1975 **(Fre)**

SURGERY

[Splenomegaly with large and multiple infarcts of unknown etiology] Kiranov IG, et al. **Khirurgiia (Sofiia)** 28(3):285–8, 1975 **(Bul)**
[Thrombocyte storage in the spleen in idiopathic thrombocytopenic purpura and congestive splenomegaly] Tibor B, et al. **Orv Hetil** 117(23):1388–93, 6 Jun 76 **(Hun)**

THERAPY

Reduction of GvH splenomegaly in mice by antilymphocyte serum (ALS): correlation of the effect with immunosuppressive potency of ALS. Mažuran R, et al. **Z Immunitaetsforsch** 147(4):378–83, Sep 74

VETERINARY

Primary splenomegaly in a horse. Varra DL, et al. **J Am Vet Med Assoc** 168(7):608–9, 1 Apr 76

SPLENOPORTOGRAPHY

Celiac arteriography following percutaneous splenoportography. Lande A, et al. **Radiology** 114(1):57–8, Jan 75
[Improvement of arterial pharmaco-portography in patients with portal hypertension] Beranek I, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:532–3, 1975 **(Fre)**
[Arteriography, phlebography and splenoportography in the study of portal hypertension] Bonomo L, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:529–30, 1975 **(Fre)**
[Clinico-morphological evaluation of portography in patients with the syndrome of portal hypertension] Ershov IuA, et al. **Khirurgiia (Mosk)** (10):67–72, Oct 75 **(Rus)**
[Intrahepatic portal hypertension and its splenoportographic features] Ulagay I, et al. **Turk Tip Dern Derg** 39(11):401–6, 1973 (Eng. Abstr.) **(Tur)**

ADVERSE EFFECTS

[Accidents and complications of splenoportography] Comino E, et al. **Minerva Chir** 30(18):941–8, 30 sep 75 (Eng. Abstr.) **(Ita)**

METHODS

[Percutaneous splenoportography] Stefani P, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:555–7, 1975 **(Fre)**
[Indirect (arterial) splenoportography and portography in intraphepatic block] Frommhold H. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):255–62, Sep 75 (Eng. Abstr.) **(Ger)**
[Trans-jugular retrograde portography. Preliminary communication] Thelen M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):531–4, Jun 76 (Eng. Abstr.) **(Ger)**
[Segmental angiography of the liver with laparoscopy and electro-coagulation. Selective hepatography (author's transl)] Wannagat L. **Radiologe** 15(9):431–4, Sep 75 (Eng. Abstr.) **(Ger)**
[Technic of splenoportography under experimental and clinical conditions] Leont'ev AF, et al. **Eksp Khir Anesteziol** (3):35–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

SPLINTS

Typing splints for the quadriplegic patient. Craver PN. **Am J Occup Ther** 29(9):551, Oct 75
Prevention and management of contractures in patients with burns of the neck. Bunchman HH 2d, et al. **Am J Surg** 130(6):700–3, Dec 75
Peristernal closure of median sternotomy using stainless steel bands. Kalush SL, et al. **Ann Thorac Surg** 21(2):172–3, Feb 76
Chronic retention. Boulton D. **Br J Oral Surg** 13(2):209–11, Nov 75
Experience with thermoplastic splints in the post-burn hand. Buchan NG. **Br J Plast Surg** 28(3):8193–7, Jul 75
Musculoskeletal management of the severely burned child. Birch JR, et al. **Can Med Assoc J** 115(6):533–6, 18 Sep 76
Letter: Modification of Cramer wire ladder splint. Connelly WJ. **Can Med Assoc J** 113(11–12):1025, 13 Dec 75
Using methylmethacrylate to make external fixation splints. Aron JD. **J Bone Joint Surg [Am]** 58(1):151, Jan 76
The results of early treatment of typical congenital dislocation of the hip in Malmö. Fredensborg N. **J Bone Joint Surg [Br]** 58(3):272–8, Aug 76
Aspects of extra-oral pressure osteosynthesis. Muška K. **J Maxillofac Surg** 4(3):177–81, Sep 76
The night guard: its uses and dangers of abuse. Brayer L, et al. **J Oral Rehabil** 3(2):181–4, Apr 76
A simplified method of palatal splinting. Boudreau RG. **J Oral Surg** 34(1):79–80, Jan 76
Use of Kirschner wires for securing acrylic splints to the maxilla. Fitzgerald BE, et al. **J Oral Surg** 34(6):557–8, Jun 76
Dynamic splints for rehabilitation after surgical treatment of ankylosis. Gaurisas V. **J Oral Surg** 33(10):790–1, Oct 75
Adhesive bonding of arch bars for maxillomandibular fixation. Rosenberg FA, et al. **J Oral Surg** 34(7):651–3, Jul 76
Clinical technique and success of the esophageal stent to prevent corrosive strictures. Hill JL, et al. **J Pediatr Surg** 11(3):443–50, Jun 76
Cast chromium alloy surgical splints. Axinn S, et al. **J Prosthet Dent** 35(4) Apr 76
The influence of fixed splints on mandibular flexure. Fischman BM. **J Prosthet Dent** 35(6):643–7, Jun 76
The immediate palatal plate. Langer B. **J Prosthet Dent** 34(4):422–7, Oct 75
Compressive facial splints. Parel SM, et al. **J Prosthet Dent** 34(4):440–3, Oct 75
Cast arch bars used in orthognathic surgery. Scott AS, et al. **J Prosthet Dent** 34(6):698–700, Dec 75
Salvage of complicated open fractures by transfixation. Weis EB Jr, et al. **J Trauma** 16(4):266–72, Apr 76
Intractable head and neck pain. A possible solution. Bernstein I. **NY State Dent J** 41(10):606–8, Dec 75
The myofascial pain dysfunction syndrome: an approach after

50 patients. Laws AJ. **NZ Dent J** 72(328):89–92, Apr 76
Compliancy in splint-wearing behaviour of patients with rheumatoid arthritis. Moon MH, et al. **NZ Med J** 83(564):360–5, 26 May 76
Compression treatment for hypertrophic scars. George PA. **Physiotherapy** 61(7):215–6, Jul 75
Inflatable splint for the hemiplegic arm. Johnstone M. **Physiotherapy** 61(12):377, Dec 75
Splinting electrical burns of the mouth in children. Colcleugh RG, et al. **Plast Reconstr Surg** 58(2):239–41, Aug 76
Inflatable splint to immobilize extremities after skin grafting. Schwager RG, et al. **Plast Reconstr Surg** 57(4):523, Apr 76
Flail arm splints. Nichols PJ, et al. **Rheumatol Rehabil** 14(4):253–9, Nov 75
Surgical stabilization of traumatic flail chest. París F, et al. **Thorax** 30(5):521–7, Oct 75
[Osteosynthesis of the olecranon by means of a hooked splint (author's transl)] Honěk A. **Acta Chir Orthop Traumatol Cech** 42(5):472–3, Oct 75 (Eng. Abstr.) **(Cze)**
[Development and application of a new polyurethane plastics support bandage (author's transl)] Blömer A, et al. **Arch Orthop Unfallchir** 85(1):1–20, 18 Jun 76 (Eng. Abstr.) **(Ger)**
[Special splinting technique for the functional treatment of mandible fractures (author's transl)] Schegg HK. **Ther Umsch** 32(10):665–70, Oct 75 (Eng. Abstr.) **(Ger)**
[A new splinting method in the surgical correction of prognathism] Bögi I, et al. **Fogorv Sz** 69(3):78–80, Mar 76 **(Hun)**
[Pneumatic medical splints made of polymeric materials for immobilizing the extremities] Polezhaev VV, et al. **Med Tekh** (5):46–51, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Transport splint for the upper extremities] Turbin PV, et al. **Ortop Travmatol Protez** (1):76–7, Jan 76 **(Rus)**
[Treatment of maxillary fractures by a splint of extra-laboratory preparation] Baronov AI. **Stomatologiia (Mosk)** 54(4):97–8, Jul–Aug 75 **(Rus)**
[Experience in the treatment of mandibular fractures with standard band splints] Krichinskiĭ GV, et al. **Stomatologiia (Mosk)** 55(1):102–3, Jan–Feb 76 **(Rus)**

ADVERSE EFFECTS

Failures in the management of congenital hip displacement in the newborn. Wilkinson JA. **Proc R Soc Med** 68(8):476–9, Aug 75
[Serial tooth luxations as a side-effect of intraoral splint dressings] Freitag V, et al. **Dtsch Zahnaerztl Z** 31(8):640–2, Aug 76 **(Ger)**

INSTRUMENTATION

[Treatment of contracture of the finger joints by capsulectomy and spring-splints] Renner A, et al. **Magy Traumatol Orthop** 19(1):46–51, 1976 (Eng. Abstr.) **(Hun)**

VETERINARY

[Osteosynthesis in dogs using a 'Jonas Splint'] Mäusl M, et al. **Berl Munch Tieraerztl Wochenschr** 88(20):396–7, 15 Oct 75 **(Ger)**

SPLINTS, PERIODONTAL see under **PERIODONTAL PROSTHESIS**

SPONDYLARTHRITIS ANKYLOPOIETICA see **SPONDYLITIS, ANKYLOSING**

SPONDYLITIS

Case report and review of current treatment methods. Tuberculous spondylitis. Wilkes LL, et al. **J Med Assoc Ga** 65(1):9–12, Jan 76 (24 ref.)
Cervical spondylitis. Mathews JA. **Rep Rheum Dis** (56):1, Jun 75
[Intervertebral discitis in a child] Kampmann H. **Ugeskr Laeger** 137(39):2282–3, 22 Sept 75 (Eng. Abstr.) **(Dan)**
[Nonspecific hematogenic spondylitis. Diagnosis and treatment] Sneppen O, et al. **Ugeskr Laeger** 138(28):1708–12, 5 Jul 76 (Eng. Abstr.) **(Dan)**
[Backache and subacute paraplegia: tuberculous spondylitis (spinal cord compression with abscess formation)] Toyokura Y, et al. **Jpn J Clin Med** Spec No:706–7, 1006–7, 10 Apr 75 **(Jpn)**

COMPLICATIONS

Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report. Sullivan HG, et al. **J Neurosurg** 43(5):618–22, Nov 75

DIAGNOSIS

[Etiological diagnosis of spondylitis. II. Vertebral puncture biopsy and surgical approach] Caroit M, et al. **Rev Rhum Mal Osteoartic** 42(3):153–9, Mar 75 (Eng. Abstr.) **(Fre)**
[Etiological diagnosis of spondylitis. I. Clinical, biological and radiological aspects] Caroit M, et al. **Rev Rhum Mal Osteoartic** 42(3):145–51, Mar 75 (Eng. Abstr.) **(Fre)**
[Inflammatory diseases of the spine] pp. 75–87. Müller W. **In: Bauer R, ed. Erkrankungen der Wirbelsäule. Stuttgart, Thieme, 1975. W3 OR769e 1974.** **(Ger)**
[Results of skeletal scintigraphy in spondylitis] Gebert G, et al. **Radiol Diagn (Berl)** 15(1):73–82, 1974 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Letter: Candida albicans spondylodiskitis. Osseous penetration of 5-fluorocytosine] Sirot M, et al. **Nouv Presse Med** 5(6):355–6, 7 Feb 76 **(Fre)**

ETIOLOGY

[Spondylodiscitis during septicemia caused by Candida albicans] Riffat G, et al. **Ann Anesthesiol Fr** 15(3):223–6, 1974 (Eng. Abstr.) **(Fre)**
[Osseous complications of lumbar aortography. Apropos of a case of L2-L3 spondylodiscitis] Kerdiles Y, et al. **J Chir (Paris)** 109(3):333–9, Mar 75 **(Fre)**

IMMUNOLOGY

Increased risk for spondylitis stigmata in apparently healthy HL-AW27 men. Cohen LM, et al. **Ann Intern Med** 84(1):1–7, Jan 76

MICROBIOLOGY

[Pyogenic spondylitis] Partio E, et al. **Duodecim** 91(11):702–7, 1975 **(Fin)**

OCCURRENCE

[Cervical osteochondrosis and spondylarthrosis, an occupational disease of the dentist?] Breitenfelder J. **Z Orthop** 113(4):649–51, Aug 75 **(Ger)**

PHYSIOPATHOLOGY

[Correction of hemodynamic disorders in patients with tuberculous spondylitis under conditions of long-term hypokinesia] Levites EP. **Ortop Travmatol Protez** (9):68–71, Sep 75 **(Rus)**

RADIOGRAPHY

Candida vertebral osteomyelitis. Hirschmann JV, et al. **J Bone Joint Surg [Am]** 58(4):573–5, Jun 76
[Discovertebral lesions during psoriatic spondylarthritis] Kićevac-Miljkovic A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:588–90, 1975 **(Fre)**
[Infectious spondylitis (nontuberculous spondylitis) (author's transl)] Hering K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):185–6, Feb 76 **(Ger)**
[Tomographic examination in traumatic spondylitis] Maiat VV. **Ortop Travmatol Protez** (9):60–3, Sep 75 **(Rus)**
[Intervertebral space inflammation in children. Report of 4 cases] Fernández Herrera E, et al. **Bol Med Hosp Infant Mex** 33(3):685–92, May–Jun 76 (Eng. Abstr.) **(Spa)**

SURGERY

Paraplegia in spondylitis: results of operative treatment. Felländer M. **Paraplegia** 13(2):75–88, Aug 75
[Statistical aspects of the results of surgical treatment of cervico-athrotic myelopathy] González-Feria L, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(191):25–34, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

SPONDYLITIS, ANKYLOSING

Hip involvement in ankylosing spondylitis. Dwosh IL, et al. **Arthritis Rheum** 19(4):683–92, Jul–Aug 76
Proceedings: Ankylosing spondylitis in women. Levitin PM, et al. **Arthritis Rheum** 18(5):528, Sep–Oct 75
[Results of a study on the clinical aspects, therapy and sociomedical significance of ankylosing spondylitis] Altus RE, et al. **Beitr Orthop Traumatol** 22(12):680–6, Dec 75 **(Ger)**
[Knee in ankylosing spondylitis] Arsov D, et al. **God Zb Med Fak Skopje** 20:443–50, 1974 **(Ser)**

BLOOD

[Factors influencing ASO titer rise in ankylosing spondylitis] Brühl W, et al. **Reumatologia** 14(2):157–64, 1976 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Upward subluxation of the axis in ankylosing spondylitis. A clinical pathologic report. Little H, et al. **Am J Med** 60(2):279–85, Feb 76
Ankylosing spondylitis with complete heart block. Harvey DB, et al. **Arch Intern Med** 136(9):1046–50, Sep 76
Coexistence of ankylosing spondylitis and rheumatoid arthritis. Luthra HS, et al. **Arthritis Rheum** 19(1):111–4, Jan–Feb 76
Rheumatoid arthritis and ankylosing spondylitis occurring together. Fallet GH, et al. **Br Med J** 1(6013):804–7, 3 Apr 76
Letter: Rheumatoid arthritis and ankylosing spondylitis occurring together. Woodrow JC, et al. **Br Med J** 1(6017):1073–4, 1 May 76
Rheumatoid spondylitis, aortic insufficiency, and coronary artery disease: an operable combination. Spitzer S, et al. **Chest** 68(6):828–9, Dec 75
Ankylosing spondylitis and upper lobe fibrosis and cavitation. Vale JA, et al. **Guys Hosp Rep** 123(2):97–119, 1974
Arthritis in gastrointestinal disease. pp. 129–32. Ansell BM. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (25 ref.)
Editorial: Amyloidosis and ankylosing spondylitis. Laha PN. **J Assoc Physicians India** 23(6):391–2, Jun 75
Amyloidosis complicating ankylosing spondylitis. Tiku ML, et al. **J Assoc Physicians India** 23(6):393–6, Jun 75
Temporomandibular joint ankylosis secondary to Marie-Strümpell disease. Sanders B. **J Oral Surg** 33(10):784–6, Oct 75
Pulmonary manifestations of ankylosing spondylitis. Appelrouth D, et al. **J Rheumatol** 2(4):446–53, Dec 75
Inflammatory involvement of vertebrae in ankylosing spondylitis. Sutherland RI, et al. **J Rheumatol** 2(3):296–302, Sep 75
Cervical spine injury in patients with ankylosing spondylitis. Kewalramani LS, et al. **J Trauma** 15(10):931–4, Oct 75
Isolated uveitis - relationship with ankylosing spondylitis and Reiter's syndrome. Amor B. **Mod Probl Ophthalmol** 16:225–7, 1976
Letter: Rheumatology for clinicians. Fessel WJ. **N Engl J Med** 294(2):115–6, 8 Jan 76
Progressive lung disease in patients with tuberculosis and ankylosing spondylitis. Andrews RH, et al. **Tubercle** 55(2):91–8, Jun 74
[Heart lesion in Bechterew's disease] Nikolova-Iarumlukova P, et al. **Vutr Boles** 14(4):117–9, 1975 **(Bul)**
[Changes of the upper cervical spine in ankylosing spondylitis] Perin B, et al. **Reumatizam** 23(1):1–13, 1976 **(Cro)**
[Pseudo-Pott spondylodiscitis during ankylosing spondylarthritis] Doury P, et al. **Ann Med Interne (Paris)** 126(8–9):697–701, Aug–Sep 75 **(Fre)**
[Disorders of intracardiac conduction during ankylosing spondylarthritis. Apropos of 19 cases] Godeau P, et al. **Ann Med Interne (Paris)** 127(3):203–14, Mar 76 (Eng. Abstr.) **(Fre)**
[Letter: Association of periodic disease and ankylosing spondylitis] Lejeune E, et al. **Nouv Presse Med** 4(41):2949–50, 29 Nov 75 **(Fre)**
[Letter: Association of sarcoidosis, ankylosing spondylitis and monoclonal immunoglobulin] Ranfaing J, et al. **Nouv Presse Med** 5(15):1006, 10 Apr 76 **(Fre)**
[Role of vertebral hyperostosis in cervical myelopathies] Arlet J, et al. **Rev Rhum Mal Osteoartic** 43(3):167–75, Mar 76 (Eng. Abstr.) **(Fre)**
[A new associated spondylarthritis: rheumatoid spondylarthritis] Querol JR, et al. **Rev Rhum Mal Osteoartic** 43(6):411–8, Jun 76 (Eng. Abstr.) **(Fre)**
[Association of Behçet's disease and pelvispondylitis in a subject without HLA W 27 antigen] Laroche C, et al. **Sem Hop Paris** 51(42):2501–8, 23 Oct 75 (Eng. Abstr.) **(Fre)**
[Cardiovascular complications in Bechterew's disease] Bachmann F, et al. **Dtsch Med Wochenschr** 101(22):864–6, 28 May 76 (33 ref.) **(Ger)**

DIAGNOSIS

The syndrome of seronegative spondarthritis. pp. 319–25. Wright V. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (17 ref.)
Letter: Implications of W27 screening. Curtis DL, et al. **N Engl J Med** 294(4):226, 22 Jan 76
HL-A 27 and the diagnosis of back problems. Kennedy GL, et al. **Rheumatol Rehabil** 14(3):168–72, Aug 75
99mTc in evaluation of sacro-iliac arthritis. Szanto E, et al. **Scand J Rheumatol** 5(1):11–5, 1976
Ankylosing spondylitis. Ott VR, et al. **Scand J Rheumatol [Suppl]** (12 suppl):129–30, 1975
[Evaluation of clinical, x-ray and scintigraphic findings in sacroiliac joints and the spine in the diagnosis of ankylosing spondylitis] Jajić I, et al. **Reumatizam** 23(3):83–91, 1976 (Eng. Abstr.) **(Cro)**
[Differentiation of spondylitis ankylopoietica and spondylitis hyperostotica] Pazderka V, et al. **Cesk Patol** 11(2):88–9, May 75 (Eng. Abstr.) **(Cze)**
[Bechterew's disease in women] Vojtíšek O, et al. **Vnitr Lek** 22(5):474–80, May 76 (Eng. Abstr.) **(Cze)**
[HL-A W27 antigen and atypical rheumatic pelvispondylitis] Sany J, et al. **Rev Rhum Mal Osteoartic** 43(2):97–103, Feb 76 (Eng. Abstr.) **(Fre)**
[Letter: Bechterew's disease] Miehlke K. **Dtsch Med Wochenschr** 101(18):720, 30 Apr 76 **(Ger)**
[Ankylopoietic spondylitis: its clinical course, radiological types, visceral manifestations, and neurological complications] pp. 21–44. Schilling F. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973.** **(Ger)**
[Studies on mobility and prognosis in spondylitis ankylosans] Schöffel J, et al. **Z Rheumatol** 34(11–12):373–80, Nov–Dec 75 (Eng. Abstr.) **(Ger)**
[Heel pain as a symptom in rheumatic diseases] Hidle I. **Tidsskr Nor Laegeforen** 96(8):504–5, 20 Mar 76 (Eng.

Abstr.) (Nor)
[Weil's partial ligamentous spondylitis] Nowak C. **Pol Tyg Lek** 30(33):1367–8, 18 Aug 75 (Eng. Abstr.) (Pol)
[Analysis of diagnostic criteria in ankylosing spondylitis. I. Diagnostic criteria of ankylosing spondylitis. Patients and methods] Filipowicz-Sosnowska A. **Reumatologia** 13(4):287–94, 1975 (Eng. Abstr.) (Pol)
[Erroneous interpretation of fever syndrome in rheumatoid arthritis and Bechterew's disease] Trifimova TM, et al. **Ter Arkh** 47(10):111–4, 1975 (Rus)

DRUG THERAPY

Letter: Penicillamine in ankylosing spondylitis. Scharf Y, et al. **Arthritis Rheum** 19(1):122, Jan–Feb 76
Alclofenac in ankylosing spondylitis. Bulgen DY, et al. **Curr Med Res Opin** 3(5):321–8, 1975
Ketoprofen (Orudis) in ankylosing spondylitis. Treadwell BL, et al. **NZ Med J** 81(539):411–3, 14 May 75
D-penicillamine in ankylosing spondylitis and polymyositis. Golding DN. **Postgrad Med J** 50 Suppl 2:62–5, Aug 74
Retardation of ossification of the lumbar vertebral column in ankylosing spondylitis by means of phenylbutazone. Boersma JW. **Scand J Rheumatol** 5(1):60–4, 1976
Comparative double-blind trial of intra-articular injections of two long-acting forms of betamethasone. Husby G, et al. **Scand J Rheumatol** 4(3):118–20, 1975
[Our experiences with the enzyme preparation Rheumajecta] Hándlová D, et al. **Fysiatr Reumatol Vestn** 53(5):294–8, Oct 75 (Eng. Abstr.) (Cze)
[Proceedings: Double-blind comparison of MK 231 with indomethacin in spondylitis ankylopoetica] Gribnau FW, et al. **Ned Tijdschr Geneeskd** 119(28):1135, 12 Jul 75 (Dut)
[Short report on the results of a double-blind study with Voltaren opposed to placebo in arthroses and ankylosing spondylitis] p. 63. Dreiser R. **In: Wagenhäuser RJ, ed. Voltaren (Diclofenac). Bern, Huber, 1976. WE 344 V935 1975.** (Ger)
[Bumadizone-calcium-semihydrate (Eumotol) and oxyphenbutazone in the treatment of ankylosing spondylitis. A clinical double-blind study] Franke M, et al. **Med Welt** 26(27–28):1335–40, 11 Jul 75 (Ger)
[Administration of Hylase in Bechterew's disease] Brand G, et al. **Z Aerztl Fortbild (Jena)** 69(21):1106–7, 1 Nov 75 (Ger)
[Practical experiences in the intra-articular treatment of chronic rheumatic diseases] Häntzschel H, et al. **Z Gesamte Inn Med** 30(21):698–701, 1 Nov 75 (Eng. Abstr.) (Ger)
[Methoxypropriocin in the treatment of degenerative bone disease (comparative studies)] Adamska-Dyniewska H, et al. **Wiad Lek** 29(3):188–92, 1 Feb 76 (Eng. Abstr.) (Pol)
[Attempted pathogenetic therapy of chronic degenerative arthritis] Russu G, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):191–5, Apr–Jun 75 (Eng. Abstr.) (Rum)

ETIOLOGY

The pathogenesis of ankylosing spondylitis. Kåss E. **Ann Clin Res** 7(3):237–43, Jun 75
Ankylosing spondylitis — a clue to the cause. Healey LA. **Med Times** 103(9):123–4, Sep 75
[Letter: The remote prognosis of Fiessinger-Leroy-Reiter syndrome] Doury P, et al. **Nouv Presse Med** 5(8):516, 21 Feb 76 (Fre)

FAMILIAL & GENETIC

Ankylosing spondylitis and Reiter's syndrome: genetic and microbiological studies. pp. 159–63. Delbarre F, et al. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (17 ref.)
Letter: Are homozygotes for HLA B27 more susceptible to ankylosing spondylitis? Cohen T. **N Engl J Med** 295(6):342–3, 5 Aug 76
Familial reactive arthritis of Reiter's and ankylosing spondylitis types in the HLA–27 genotype. Rose BS. **NZ Med J** 83(558):107–9, 25 Feb 76
The Jeremiah Metzger lecture of The American Clinical and Climatological Association 1975. New genetic insight into old diseases. McKusick VA. **Trans Am Clin Climatol Assoc** 87:193–213, 1976
[Genetic aspects of ankylosing spondyloarthritis (Bechterew's disease)] Laskov BI, et al. **Vopr Revm** (2):74–7, Apr–Jun 75 (Rus)
[Biological time in ankylosing spondylitis] Ondrašík M, et al. **Fysiatr Reumatol Vestn** 53(4):195–9, Aug 75 (Eng. Abstr.) (Slo)

IMMUNOLOGY

HL-A 27 antigen associated with uveitis and ankylosing spondylitis in a family. Scharf J, et al. **Am J Ophthalmol** 82(1):139–40, Jul 76
Editorial: The implications of HL-A W27. Arnett FC Jr. **Ann Intern Med** 84(1):94–5, Jan 76
Increased risk for spondylitis stigmata in apparently healthy HL-AW27 men. Cohen LM, et al. **Ann Intern Med** 84(1):1–7, Jan 76
Immunological reactivity in ankylosing spondylitis. Circulating immunoblasts, autoantibodies, and immunoglobulins. Eghtedari AA, et al. **Ann Rheum Dis** 35(2):155–7, Apr 76
Diminished mixed lymphocyte reaction in ankylosing spondylitis, relatives, and normal individuals all with HL-A 27. Nikbin B, et al. **Ann Rheum Dis** 35(1):37–9, Feb 76
Cellular hypersensitivity in rheumatoid arthritis, ankylosing spondylitis, and anterior nongranulomatous uveitis. Thonar EJ, et al. **Arthritis Rheum** 19(3):539–44, May–Jun 76
The significance of HL-A W27 in ankylosing spondylitis and Reiter's syndrome with three family studies. Cross RA, et al. **Aust NZ J Med** 5(2):108–11, Apr 75
Hl-A antigens associated with rheumatoid arthritis and ankylosing spondylitis in an ethnic homogeneous population. Marcolongo R, et al. **Biomedicine [Express]** 23(3):88–91, 10 Apr 75
Letter: HL-A antigens and ankylosing spondylitis. Calin A, et al. **Br Med J** 3(5984):650, 13 Sep 75
Ankylosing spondylitis and related diseases: significance of HL-A W27 histocompatibility antigen. Cheatum DE. **Compr Ther** 1(8):20–5, Dec 75 (12 ref.)
HL-A 27 and sero-negative rheumatic disorders (pelvospondylitis, sacroiliitis and uro-arthritis). pp. 215–22. Möller E, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**
HL-A antigens in ankylosing spondylitis and related diseases. pp. 333–40. Brewerton DA. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (60 ref.)
Antiglobulins in ankylosing spondylitis. Arana RM, et al. **J Rheumatol** 2(3):303–7, Sep 75
HL-A27 and ankylosing spondylitis in B.C. Indians. Gofton JP, et al. **J Rheumatol** 2(3):314–8, Sep 75
Serum complement and immunoglobulin levels in sporadic and familial ankylosing spondylitis. Kinsella TD, et al. **J Rheumatol** 2(3):308–13, Sep 75
Lymphocyte subpopulations in normals and patients with rheumatoid arthritis and ankylosing spondylitis. Rosenthal M, et al. **J Rheumatol** 2(4):355–8, Dec 75
The association of HL-A B27 with Forestier's disease (vertebral ankylosing hyperostosis). Shapiro RF, et al. **J Rheumatol** 3(1):4–8, Mar 76
Ankylosing spondylitis. A case positive for rheumatoid factor and HL-A 27 (W 27). Goldenberg DL, et al. **JAMA** 235(3):284–5, 19 Jan 76
HLA-B27 antigen in women with ankylosing spondylitis. Levitin PM, et al. **JAMA** 235(24):2621–2, 14 Jun 76
Letter: Low incidence of HLA-B27 in American Blacks with spondyloarthropathies. Khan MA, et al. **Lancet** 1(7957):483, 28 Feb 76
Letter: HL-A B27 and modified bone formation. Rosenthal M, et al. **Lancet** 1(7958):543, 6 Mar 76
Letter: HLA-B27 and modified bone formation. Rotés Querol J, et al. **Lancet** 1(7957):482–3, 28 Feb 76
HLA-B27 and modified bone formation. Shapiro RF, et al. **Lancet** 1(7953):230–1, 31 Jan 76
Editorial: HL-A W27 and ankylosing spondylitis. **Med J Aust** 1(10):287–8, 6 Mar 76
HL-A27 in Reiter's Syndrome. McGlamory JC. **Milit Med** 141(2):95–6, Feb 76
Letter: HLA B27 in blacks with ankylosing spondylitis or Reiter's disease. Good AE, et al. **N Engl J Med** 294(3):166–7, 15 Jan 76
HL-A 27-associated arthritis. Keat AC, et al. **Rheumatol Rehabil** 15(2):87–91, May 76
Segregation of HL-A27 and ankylosing spondylitis in an informative kindred. de Bruyère M, et al. **Tissue Antigens** 7(1):15–22, Jan 76
HL-A27 in female patients with ankylosing spondylitis. Jeannet M, et al. **Tissue Antigens** 6(4):262–4, Oct 75
Studies on the major histocompatibility system in patients with ankylosing spondylitis. Möller E, et al. **Tissue Antigens** 6(4):237–46, Oct 75
HLA and juvenile chronic polyarthritis. Veys EM, et al. **Tissue Antigens** 8(1):61–5, Jul 76
[HLA-B 27 (W 27) antigen and other immunological factors in ankylosing spondylarthritis (author's transl)] Libich M, et al. **Cas Lek Cesk** 114(49):1521–3, 5 Dec 75 (Eng. Abstr.) (Cze)
[Search for HL-A 27 antigen in families of patients with ankylosing spondylitis] Kuthan F, et al. **Vnitr Lek** 21(12):1197–202, Dec 75 (Eng. Abstr.) (Cze)
[Letter: Association of HLA W 27 antigen and rheumatoid spondylitis. Preliminary study of a personal series] Doury P, et al. **Nouv Presse Med** 5(2):90, 10 Jan 76 (Fre)
[The lymphocyte transformation test with the bedsonian antigen (bedsonian LTT) in old and recent Fiessinger-Leroy-Reiter syndromes and in ankylsoing spondylarthritis. Additional study] Pattin S, et al. **Rev Rhum Mal Osteoartic** 43(6):407–10, Jun 76 (Eng. Abstr.) (Fre)
[H-LA W 27 antigen and ankylosing spondylarthritis. Preliminary study of a personal series] Doury P, et al. **Sem Hop Paris** 52(25–28):1551–3, 10–20 Jun 76 (Fre)
[HL-A antigens in ankylosing spondylitis and sacroiliitis] Sadowska-Wroblewska M, et al. **Reumatologia** 13(4):241–7, 1975 (Eng. Abstr.) (Pol)
[Blastic transformation of lymphocytes induced with PHA in ankylosing spondylitis] Sadowska-Wróblewska M, et al. **Reumatologia** 14(1):9–14, 1976 (Eng. Abstr.) (Pol)

OCCURRENCE

Prevalence of ankylosing spondylitis and its association with HL-A 27. Percy JS, et al. **J Rheumatol** 2(4):351–8, Dec 75
Striking prevalence of ankylosing spondylitis in 'healthy' w27 positive males and females. Calin A, et al. **N Engl J Med** 293(17):835–9, 23 Oct 75
[Ankylosing spondylitis as a social and medical problem] Maštrović Z. **Reumatizam** 22(5):169–76, 1975 (Cro)

PATHOLOGY

[Clinico-pathological conference XXIX. Tumor infiltration and destruction of 2 thoracic vertebrae in thoracic radiography] Sandström R. **Duodecim** 91(18):1093–102, 1975 (Fin)
[Pathology of ankylosing spondylitis] Fassbender HG. **Med Welt** 26(45):2039, 7 Nov 75 (Ger)
[Significance of ear lobe biopsy in the diagnosis of angiopathies inflammatory-rheumatic diseases] Beneke VG, et al. **Z Rechtsmed** 34(5–6):190–6, May–Jun 75 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Renal glomerular function in ankylosing spondylitis. Calin A. **Scand J Rheumatol** 4(4):241–2, 1975
[Lung function and lung changes in Bechterew's disease] pp. 45–55. Thumb N, et al. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973.** (Ger)
[The clinical value of the hydroxyproline excretion in 24 hour urine compared to other laboratory diagnostic parameters in ankylopoietic spondylarthritis] Behling H, et al. **Z Gesamte Inn Med** 30(2):58–62, 15 Jan 75 (Eng. Abstr.) (Ger)
[Spinal mobility in relation to the progression of ankylosing spondylitis] Filipowicz-Sosnowska A. **Reumatologia** 14(1):66–74, 1976 (Eng. Abstr.) (Pol)

RADIOGRAPHY

Clinical and radiographic 'reankylosis' following hip surgery in ankylosing spondylitis. Resnick D, et al. **Am J Roentgenol** 126(6):1181–8, Jun 76
Destructive vertebral lesions in ankylosing spondylitis. Frank P, et al. **Br J Radiol** 48(573):755–8, Sep 75
The chest radiograph in ankylosing spondylitis. Chakera TM, et al. **Clin Radiol** 26(4):455–9, Oct 75
Posterior mediastinal mass. Hussain SA. **JAMA** 235(8):849, 23 Feb 76
Clinical and radiographic abnormalities in ankylosing spondylitis: a comparison of men and women. Resnick D, et al. **Radiology** 119(2):293–7, May 76
[Morphological basis of the 'variegated' sacroiliac radiographic picture in ankylosing spondylitis] Dihlmann W. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):389–90, Apr 76 (Ger)
[Roentgen diagnosis of Bechterew's disease] pp. 11–9. Dihlmann W. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973.** (Ger)
[Roentgenologic observations of patients with Bechterew's disease in repeated cures] pp. 89–94. Ellegast HH, et al. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973.** (Ger)
[Acetabular roof in coxarthrosis and osteonecrosis (author's transl)] Pazderka V, et al. **Radiol Diagn (Berl)** 16(2):275–83, 1975 (Eng. Abstr.) (Ger)
[The radiological picture of ankylosing spondylarthritis and of hyperostotic spondylosis (author's transl)] Středa A. **Radiol Diagn (Berl)** 16(2):265–73, 1975 (Eng. Abstr.) (Ger)
[Bechterew's disease without ankylosing sacrolitis (author's transl)] Nowak C. **Pol Przegl Radiol** 40(1):61–3, Jan–Feb 76 (Eng. Abstr.) (Pol)

RADIOTHERAPY

Neurofibrosarcoma following radiotherapy for ankylosing spondylitis. Bentley SJ, et al. **Ann Rheum Dis** 34(6):536–8, Dec 75
[Radiotherapy of Bechterew's disease] pp. 63–6. Dihlmann W. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973.**

REHABILITATION

[Rehabilitation in ankylosing spondylitis] pp. 67–73. Josenhans G. **In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973.** (Ger)
[Guidelines for therapeutic rehabilitation of patients with ankylosing spondylitis] Roslawski A. **Wiad Lek** 28(18):1561–5, 15 Sep 75 (Eng. Abstr.) (Pol)

SURGERY

Total hip replacement in patients with ankylosing spondylitis with involvement of the hip. Bisla RS, et al. **J Bone Joint Surg [Am]** 58(2):233–8, Mar 76

A new approach to the surgical treatment of lumbar spondylosis. Shenkin HA, et al. **J Neurosurg** 44(2):148–55, Feb 76

[Endoprosthesis of the coxofemoral joint in treating rheumatoid arthritis and Bechterew's disease] Panova MI. **Ortop Travmatol Protez** (7):1–4, Jul 75 (Eng. Abstr.) **(Rus)**

THERAPY

[Value of various treatment methods in ankylosing spondylitis] pp. 57–62. Dürrigl T.
In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973. (Ger)

[Results of treatment of Bechterew's disease in the Sonderheilanstalt für Erkrankungen des rheumatischen Formenkreises (Special Therapy institute for Rheumatic Diseases) in Bad Hofgastein] pp. 85–8. Prohaska E.
In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973. (Ger)

[Clinical observations of patients with Bechterew's disease after repeated cures] pp. 95–8. Salmhofer H.
In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973. (Ger)

[Combined radon- and hyperthermia treatment of ankylopoietic spondylarthritis in the thermal tunnels Böckstein-Badgastein] pp. 75–84. Sandri B.
In: Prohaska E, ed. Morbus Bechterew (spondylitis ankylosans). Wien, Maudrich, 1975. WE 725 M832 1973. (Ger)

SPONDYLOEPIPHYSEAL DYSPLASIA see **ECCENTROOSTEOCHONDRODYSPLASIA**

SPONDYLOLISTHESIS

Cervical spondylolisthesis. Hanai K, et al. **Acta Orthop Scand** 47(1):63–6, Feb 76

Editorial: Spondylolisthesis. Nachemson A, et al. **Clin Orthop** (117):2–3, Jun 76

Cervical spondylolysis with spondylolisthesis. Case report. Prioleau GR, et al. **J Neurosurg** 43(6):750–3, Dec 75

[Degenerative spondylolisthesis. Clinical manifestations and treatment apropos of 26 operated cases] Cauchoix J, et al. **Nouv Presse Med** 5(9):561–4, 28 Feb 76 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Classification of spondylolisis and spondylolisthesis. Wiltse LL, et al. **Clin Orthop** (117):23–9, Jun 76

COMPLICATIONS

Low back pain syndromes due to spinal stenosis and posterior cauda equina compression. Brodsky AE. **Bull Hosp Joint Dis** 36(1):66–79, Apr 75

Degenerative spondylolisthesis. Cauchoix J, et al. **Clin Orthop** (115):122–9, Mar–Apr 76

Guidelines for the management of lumbosacral spondylolisthesis associated with scoliosis. Goldstein LA, et al. **Clin Orthop** (117):135–48, Jun 76

Stenosis of the lumbar spine in spondylolisthesis. Newman PH. **Clin Orthop** (115):116–21, Mar–Apr 76

'The Scotty dog and his collar'. Millard L. **J Arkansas Med Soc** 72(8):339–40, Jan 76

Low back pain in college football linemen. Ferguson RJ, et al. **J Sports Med** 2(2):63–9, Mar–Apr 75

CONGENITAL

Congenital spondylolysis of cervical vertebrae with spondylolisthesis anf frontal narrowing of the spinal canal. Report of two cases. Guillaume J, et al. **Neuroradiology** 11(3):159–63, 16 Jul 76

DIAGNOSIS

[Spondylolisthesis of the cervical spine] Zippel H. **Beitr Orthop Traumatol** 23(1):5–8, Jan 76 **(Ger)**

[Spondylolisthesis in adolescents. Discussion note] Scheef S. **Med Welt** 26(16):788, 18 Apr 75 **(Ger)**

[Diagnostic significance of the spinal canal to vertebral body ratio in cervical spondylosis] Kato H, et al. **Clin Neurol (Tokyo)** 16(4):319–25, Apr 76 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

The mechanical etiology of spondylolysis and spondylolisthesis. Farfan HF, et al. **Clin Orthop** (117):40–55, Jun 76

Spondylolysis in the female gymnast. Jackson DW, et al. **Clin Orthop** (117):68–73, Jun 76

Etiology of spondylolisthesis. Taillard WF. **Clin Orthop** (117):30–9, Jun 76

Spondylolisthesis following surgical fusion for scoliosis: a case report. Tietjen R, et al. **Clin Orthop** (117):176–8, Jun 76

Mechanical factors in spondylolisthesis and spondylolysis. Troup JD. **Clin Orthop** (117):59–67, Jun 76

'The Scotty dog and his collar'. Millard L. **J Arkansas Med Soc** 72(8):339–40, Jan 76

Letter: Fatigue fractures. **J Bone Joint Surg [Am]** 58(1):152–3, Jan 76

Cervical spondylolysis with spondylolisthesis. Case report. Prioleau GR, et al. **J Neurosurg** 43(6):750–3, Dec 75

[Cauda equina syndrome following spondylolisthesis by low lumbar involvement of chronic rheumatoid arthritis] Frenay J, et al. **Neurochirurgie** 20(5):431–40, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Pathogenesis of spondylolisthesis with reference to expert evaluation] Zippel H. **Beitr Orthop Traumatol** 22(3):158–61, Mar 75 **(Ger)**

HISTORY

The classic: A new contribution to the history and etiology of spondyl-olisthesis by F. L. Neugebauer. Neugebauer Fl. **Clin Orthop** (117):4–22, Jun 76

PATHOLOGY

[Morbid anatomy and pathogenesis of spondylolysis and spondylolysthesis in childhood (author's transl)] Zippel H, et al. **Z Orthop** 114(2):189–201, Apr 76 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Neural arch dysplasia of the sixth cervical vertebra. 'Congenital cervical spondylolisthesis'. Moseley I. **Br J Radiol** 49(577):81–3, Jan 76

Multiple lower lumbar spondylolyses. Privett JT, et al. **Br J Radiol** 48(574):866–9, Oct 75

Standing roentgenograms in spondylolisthesis. Lowe RW, et al. **Clin Orthop** (117):80–4, Jun 76

Degenerative lumbar spondylolisthesis with an intact neural arch (pseudospondylolisthesis). Epstein JA, et al. **J Neurosurg** 44(2):139–47, Feb 76

SURGERY

Complete spondylolisthesis in an infant. Treatment with decompression and fusion. Finnegan WJ, et al. **Am J Dis Child** 129(8):967–9, Aug 75

Cervical spondylosis. Prognostic value of preoperative signs and symptoms. Brandt RA, et al. **Arq Neuropsiquiatr** 34(1):32–9, Mar 76

Spondylolisthesis: indications for lumbar nerve root decompression and operative technique. Davis IS, et al. **Clin Orthop** (117):129–34, Jun 76

Spinal instrumentation in the treatment of severe progressive spondylolisthesis. Harrington PR, et al. **Clin Orthop** (117):157–63, Jun 76

Operative treatment of spondylolisthesis in young patients. Laurent LE, et al. **Clin Orthop** (117):85–91, Jun 76

Repair of the spondylolisthetic defect and intertransverse fusion for young patients. Nachemson A. **Clin Orthop** (117):101–5, Jun 76

Surgical treatment for spondylolisthesis in the adult. Newman PH. **Clin Orthop** (117):106–111, Jun 76

Late results of removal of the loose posterior element (Gill's operation) in the treatment of lytic lumbar spondylolisthesis. Osterman K, et al. **Clin Orthop** (117):121–8, Jun 76

Degenerative spondylolisthesis: surgical treatment. Rosenberg NJ. **Clin Orthop** (117):112–20, Jun 76

Technique of anatomical reduction of lumbar spondylolisthesis and its surgical stabilization. Scaglietti O, et al. **Clin Orthop** (117):165–75, Jun 76

Therapy of spondylolisthesis by repositioning and fixation of the olisthetic vertebra. Snijder JG, et al. **Clin Orthop** (117):149–56, Jun 76

Degenerative spondylolisthesis. Fitzgerald JA, et al. **J Bone Joint Surg [Br]** 58(2):184–92, May 76

[Two-stage reposition and fixation of spondyloptosis with Harrington instrumentation and anterior intercorporal spondylodesis (author's transl)] Morscher E. **Arch Orthop Unfallchir** 83(3):323–34, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Resection of the neuro-central joint and liberation of the vertebral artery in certain cases of cervical spondylosis (author's transl)] Lamas E. **Rev Esp Otoneurooftalmol Neurocir** 33(192):71–3, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

THERAPY

Conservative treatment in spondylolisthesis. Magora A. **Clin Orthop** (117):74–9, Jun 76

Treatment of spondylolisthesis and spondylolysis in children. Wiltse LL, et al. **Clin Orthop** (117):92–100, Jun 76

[Conservative treatment of spondylolysis and spondylolisthesis in childhood] Pfeil E. **Beitr Orthop Traumatol** 22(4):238–40, Apr 75 **(Ger)**

VETERINARY

Selection of broiler chickens for a high and low incidence of tibial dyschondroplasia with observations on spondylolisthesis and twisted legs (perosis). Riddell C. **Poult Sci** 55(1):145–51, Jan 76

SPONDYLOLYSIS see under **SPONDYLOLISTHESIS**

SPONDYLOSIS DEFORMANS see **SPINAL OSTEOPHYTOSIS**

SPONTIN see **RISTOCETIN**

SPORES

ANALYSIS

The polysaccharides from heterocyst and spore envelopes of a blue-green alga. Methylation analysis and structure of the backbones. Cardemil L, et al. **J Biol Chem** 251(10):2967–75, 25 May 76

RADIATION EFFECTS

Intramuscular immunization of mice with irradiated Plasmodium berghei sporozoites. Enhancement of protection with albumin. Kramer LD, et al. **Am J Trop Med Hyg** 24(6 Pt 1):913–6, Nov 75

ULTRASTRUCTURE

Studies on the spores of the ferns of the Dryopteris spinulosa complex by means of the scanning electron microscope. Piękoś H. **Ann Med Sect Pol Acad Sci** 20(2):111–2, 1975

Developmental mechanisms in heterospory. III. The plastid cycle during megasporogenesis in Isoetes. Pettitt JM. **J Cell Sci** 20(3):671–85, May 76

Fixation of dormant Tilletia teliospores for thin sectioning. Gardner JS, et al. **Stain Technol** 50(5):347–50, Sep 75

SPORES, BACTERIAL

Increased nitrate reductase A activity as a sign of membrane alteration in early blocked asporogenous mutants of Bacillus subtilis. Bohin JP, et al. **Biochimie** 58(1–2):99–108, 1976

Pleiotropic mutations affecting sporulation conditions and the syntheses of extracellular enzymes in Bacillus subtilis 168. Kunst F, et al. **Biochimie** 56(11–12):1481–9, 1974

Isolation and characterization of two asporogenous rifampicin resistant mutants of B. thuringiensis. Lecadet MM, et al. **Biochimie** 56(11–12):1471–9, 1974

Study of the sporulation of Bacillus thuringiensis var. thuringiensis. Rendić S, et al. **Boll Ist Sieroter Milan** 54(2):98–104, 26 Jun 75

Death rates of bacterial spores: mathematical models. Han YW, et al. **Can J Microbiol** 22(2):295–300, Feb 76

The response of bacterial spores to vacuum treatments. II. Germination and viability studies. Soper CJ, et al. **Cryobiology** 13(1):71–9, Feb 76

The response of bacterial spores to vacuum treatments. I. Design and characterization of the vacuum apparatus. Soper CJ, et al. **Cryobiology** 13(1):61–70, Feb 76

Spores as potential topological markers in bacterial DNA segregation studies. Hitchins AD. **J Theor Biol** 58(1):97–111, 7 May 76

Viable bacterial spores recovered from an archaeological excavation. Seaward MR, et al. **Nature** 261(5559):407–8, 3 Jun 76

[An intracellular polysaccharide involved in sporulation of 'Clostridium butyricum' I. Cytology, production and preliminary enzymic analysis (author's transl)] Bergère JL, et al. **Ann Microbiol (Paris)** 126(3):295–314, Apr 75 (Eng. Abstr.) **(Fre)**

[The spore germination of 'Clostridium tyrobutyricum' III.—An hypothesis on the mechanism of initiation (author's transl)] Bergère JL, et al. **Ann Microbiol (Paris)** 126A(4):421–34, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Heat resistance of 'Bacillus subtilis' and 'Bacillus stearothermophilus' spores in ethylene glycol, propylene glycol and butylene glycol solutions. Criticism of the use of thermodynamic parameters (author's transl)] Cerf O, et al. **Ann Microbiol (Paris)** 126(1):23–38, Jan 75 (Eng. Abstr.) **(Fre)**

[Thermosensitive sporulation and extracellular serylprotease mutant of B. subtilis] Millet J, et al. **Biochimie** 58(1–2):109–17, 1976 (Eng. Abstr.) **(Fre)**

[Characteristics of Bacillus thuringiensis Berliner mutants, resistant to tetracycline, having retained or lost the ability to sporulate] Fargette F, et al. **C R Acad Sci [D] (Paris)** 282(10):1063–6, 8 MAR 76 (Eng. Abstr.) **(Fre)**

[Principle and new media for sporulation of Clostridium perfringens. Preliminary results with an attenuated mutant] Lapointe JR, et al. **Union Med Can** 104(4):527–38, Apr 75 (Eng. Abstr.) **(Fre)**

[Action of clostridial spores on transplantation tumors in alloxan-diabetic rats (author's transl)] Ludewig R, et al. **Arch Geschwulstforsch** 45(8):795–801, 1975 (Eng. Abstr.) **(Ger)**

[Tests of biological indicators in controling sterilisation processes of autoclaves (author's transl)] Holstein N. **Zentralbl Bakteriol [Orig B]** 160(4–5):443–57, Jul 75 (Eng. Abstr.) **(Ger)**

CYTOLOGY

[Morphology of spores of Sporotrichum schenckii in tissue and in culture] Avram A, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):71–6, 1975 **(Fre)**

DRUG EFFECTS

Tyrocidine and the linear gramicidin. Do these peptide antibiotics play an antagonistic regulative role in sporulation? Ristow H, et al. **Biochim Biophys Acta** 390(2):246–52, 1 May 75

The effect of chlorine on spores of Clostridium bifermentans,

Bacillus subtilis and Bacillus cereus. Wyatt LR, et al. **J Gen Microbiol** 89(2):337–44, Aug 75

[Variations in enzyme activities in different sporulation conditions of Bacillus megaterium] Chatelain S. **C R Acad Sci [D] (Paris)** 281(20):1529–32, 17 Nov 75 **(Fre)**

[Effect of hydrogen peroxide on Bacillus subtilis spores] Cerny G. **Naturwissenschaften** 62(6):299–300, Jun 75 **(Ger)**

[Action of disinfectants on bacterial spores] Krzywicka H. **Rocz Panstw Zakl Hig** 26(4):523–8, 1975 (Eng. Abstr.) **(Pol)**

[Effect of gramicidin C on the formation and germination of Bacillus brevis var. GB (P+–variant) spores] Egorov NS, et al. **Antibiotiki** 20(4):345–9, Apr 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Bacillus subtilis RNA polymerase and its modification in sporulating and phage-infected bacteria. Losick R, et al. **Adv Enzymol** 44:165–85, 1976 (63 ref.)

Lytic enzymes in sporulating Bacillus subtilis. Guinand M, et al. **Biochem Biophys Res Commun** 68(4):1287–93, 23 Feb 76

Biochemical evidence for the reversed polarity of the outer membrane of the bacterial forespore. Wilkinson BJ, et al. **Biochem J** 152(3):561–9, Dec 75

GROWTH & DEVELOPMENT

Changes in the extracellular accumulation of antibiotics during growth and sporulation of Bacillus subtilis in liquid culture. Barr JG. **J Appl Bacteriol** 39(1):1–13, Aug 75

Evolution of the transcription complex during sporulation of Bacillus subtilis. Brevet J. **J Bacteriol** 125(1):74–83, Jan 76

The Leeuwenhoek lecture, 1975: bacterial sporulation: a problem in the biochemistry and genetics of a primitive developmental system. Mandelstam J. **Proc R Soc Lond [Biol]** 193(1111):89–106, 13 Apr 75 (53 ref.)

ISOLATION & PURIFICATION

Method for collecting naturally occurring airborne bacterial spores for determining their thermal resistance. Puleo JR, et al. **Appl Microbiol** 30(5):786–90, Nov 75

Separation of spores and parasporal crystals of Bacillus thuringiensis in gradients of certain x-ray contrasting agents. Sharpe ES, et al. **Appl Microbiol** 30(6):1052–3, Dec 75

METABOLISM

Genetics of bacterial sporulation. Hoch JA. **Adv Genet** 18:69–98, 1976 (123 ref.)

Accessibility of the (14C)benzylpenicillin binding proteins in membranes of sporulating bacilli. Hamilton TE, et al. **Antimicrob Agents Chemother** 8(1):38–44, Jul 75

The program of protein synthesis during sporulation in Bacillus subtilis. Linn T, et al. **Cell** 8(1):103–14, May 76

PHYSIOLOGY

Dormant spores of Bacillus thuringiensis contain an inhibition of RNA polymerase. Iandolo JJ, et al. **Biochem Biophys Res Commun** 69(1):237–44, 8 Mar 76

Heat resistance of bacterial endospores and concept of an expanded osmoregulatory cortex. Gould GW, et al. **Nature** 258(5534):402–5, 4 Dec 75

ULTRASTRUCTURE

Changes of ultrastructure in spore coat of Bacillus thiaminolyticus during germination and outgrowth. Watabe K, et al. **Jpn J Microbiol** 19(3):187–92, Jun 75

Application of polarization effects in light scattering: a new biophysical tool. Bickel WS, et al. **Proc Natl Acad Sci USA** 73(2):486–90, Feb 76

SPORES, FUNGAL

Atomospheric pollen and spore sampling in San Diegeo, California. I Meteorological correlations and potential clincal relevance. Street DH, et al. **Ann Allergy** 37(1):32–40, Jul 76

Seasonal allergic symptoms due to fungal spores. Buisseret PD. **Br Med J** 2(6034):507–8, 28 Aug 76

Dissecting yeast asci without a micromanipulator. Munz P. **Methods Cell Biol** 11:185–8, 1975 (2 ref.)

A chromosomal gene required for killer plasmid expression, mating, and spore maturation in Saccharomyces cerevisiae. Leibowitz MJ, et al. **Proc Natl Acad Sci USA** 73(6):2061–5, Jun 76

[Studies on the conidial differentiation of 'Neurospora crassa' VI.—Functional anomalies of the conditional aconidial mutant 'amycelial' (author's transl)] Dicker JW, et al. **Ann Microbiol (Paris)** 126A(4):409–20, May–Jun 75 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Inhibition of sporogenesis in Allomyces arbuscula. Fähnrich P. **Naturwissenschaften** 63(5):247, May 76

GROWTH & DEVELOPMENT

Concerning the role of mitochondria in cryptobiosis. Vogel FS, et al. **Am J Pathol** 80(3):499–517, Sep 75

RNA synthesis during zoospore germination in the water mold Allomyces arbuscula. Croes AF, et al. **Antonie van Leeuwenhoek** 41(3):257–64, 1975

Germination of Schizosaccharomyces pombe spores separated by zonal centrifugation. Padilla GM, et al. **Exp Cell Res** 93(2):325–30, Jul 75

Light-induced synchronous conidiation in the fungus Botrytis cinerea. Tan KK. **J Gen Microbiol** 93(2):278–82, Apr 76

Methods in sporulation and germination of yeasts. Haber JE, et al. **Methods Cell Biol** 11:45–69, 1975 (118 ref.)

[A synthetic medium for rapid chlamydospore formation in Candida albicans] Meinhof W, et al. **Mykosen** 18(7):291–8, Jul 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Radio-allergo-sorbent-test in the diagnosis of sensitization by mould spores (author's transl)] Virchow C, et al. **Prax Pneumol** 29(10):555–68, Oct 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Role of acetate metabolism in sporulation of Saccharomyces carlsbergensis. Görts CP. **Antonie van Leeuwenhoek** 41(3):265–71, 1975

Induced azygospore formation in Mucor (Rhizomucor) pusillus by Absidia corymbifera. Schipper MA. **Antonie van Leeuwenhoek** 42(1–2):141–4, 1976

Characteristics of developing mitochondrial genetic and respiratory functions in germinating fungal spores. Brambl R. **Biochim Biophys Acta** 396(2):175–86, 11 Aug 75

Mitochondrial biogenesis during fungal spore germination: products of mitochondrial protein synthesis in vivo. Brambl R, et al. **Nahrung** 20(1):606–17, 1976

ULTRASTRUCTURE

Ultrastructure and elemental composition of dormant and germinating Diplodia maydis spores. Murphy JA, et al. **J Bacteriol** 127(3):1465–71, Sep 76

Freeze-etch and thin section studies of Neurospora crassa ascospores. Byrne BJ. **Protoplasma** 84(3–4):357–77, 1975

SPORIDESMINS see under **INDOLES**

SPOROTHRIX see **SPOROTRICHUM**

SPOROTRICHOSIS

A case of sporotrichosis in Western Australia. Black RB, et al. **Australas J Dermatol** 16(1):32–8, Apr 75

Sporotrichosis in Assam. Baruah BD, et al. **Indian J Med Sci** 29(10–11):251–6, Oct–Nov 75

Typical cases of tapir lip: a visual diagnosis. Anderson PC. **Mo Med** 72(10):607–9, Oct 75

Sporotrichosis: an unusual disseminated cutaneous case and a fatal pulmonary case. Kluge RM, et al. **South Med J** 69(7):855–7, Jul 76

DIAGNOSIS

Granulomatous synovitis and osteitis caused by Sporothrix schenckii. Marrocco GR, et al. **Am J Clin Pathol** 64(3):345–50, Sep 75

Rapid diagnosis of sporotrichosis by immunofluorescent method. Chuang TY, et al. **Chin J Microbiol** 8(4):259–61, Dec 75

Pulmonary and articular sporotrichosis. Report of two cases. Serstock DS, et al. **JAMA** 233(12):1291–3, 22 Sep 75

Facial sporotrichosis in a child. Bishop GF, et al. **Va Med Mon** 103(5):357–8, 363, May 76

[A case of epidermal sporotrichosis (author's transl)] Jirásek L, et al. **Cesk Dermatol** 51(3):162–7, Jun 76 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Skin test and blastogenic responses to Sporotrichun schenckii. Steele RW, et al. **J Clin Invest** 57(1):156–60, Jan 76

Delayed hypersensitivity cross-reactions between Sporothrix schenckii and Ceratocystis species in sporotrichotic patients. Ishizaki H, et al. **J Clin Microbiol** 3(6):545–7, Jun 76

[Serologic aspects of cutaneous sporotrichosis (author's transl)] Nishikawa T, et al. **Jpn J Dermatol** 85(8):467–71, Jul 75 **(Jpn)**

MICROBIOLOGY

Long-chain fatty acids of Sporothrix (Sporotrichum) schenckii. Stretton RJ, et al. **J Clin Microbiol** 3(6):635–6, Jun 76

Isolation of Sporothrix schenckii in the soil in Israel in relation to a new case in man. Feuerman EJ, et al. **Sabouraudia** 14(2):217–22, Jul 76

Serologic differences in strains of Sporothrix schenckii. Nishikawa T, et al. **Sabouraudia** 13(3):285–90, Nov 75

PATHOLOGY

Granulomatous necrotizing retinochoroiditis caused by Sporotrichum schenkii. Report of a case including immunofluorescence and electron microscopical studies. Font RL, et al. **Arch Ophthalmol** 94(9):1513–9, Sep 76

RADIOGRAPHY

Roentgenology of sporotrichosis. Comstock C, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):651–5, Nov 75

SPOROTRICHUM

ANALYSIS

Long-chain fatty acids of Sporothrix (Sporotrichum) schenckii. Stretton RJ, et al. **J Clin Microbiol** 3(6):635–6, Jun 76

[Fatty acid composition of polar and neutral lipids of Sporothrix schenckii and Ceratocystis stenoceras] de Bieuvre C, et al. **Sabouraudia** 13(2):226–30, Jul 75 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

[Sporotrix schenckii: morphology and composition] Garrocho C, et al. **Rev Biol Trop** 22(2):205–10, Dec 74 **(Spa)**

CYTOLOGY

[Morphology of spores of Sporotrichum schenckii in tissue and in culture] Avram A, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):71–6, 1975 **(Fre)**

DRUG EFFECTS

[Further experimental data on clotrimazole: effectiveness against Cryptococcus neoformans, Sporothrix schenkii and Blastomyces dermatitidis Gilchrist] Barfuss T, et al. **Mykosen** 18(5):221–32, May 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Factors influencing the production of cellulases by Sporotrichum thermophile. Coutts AD, et al. **Appl Environ Microbiol** 31(6):819–25, Jun 76

Extracellular enzyme system utilized by the fungus Sporotrichum pulverulentum (Chrysosporium lignorum) for the breakdown of cullulose. Functional characterization of five endo-1,4-beta-glucanases and one exo-1,4-beta-glucanase. Streamer M, et al. **Eur J Biochem** 59(2):607–13, 15 Nov 75

[Occurrence of neuraminidase in Sporothrix schenckii and Ceratocystis stenoceras and its role in ecology and pathomechanism of these fungi (author's transl)] Müller HE. **Zentralbl Bakteriol [Orig A]** 232(2–3):365–72, Jul 75 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Morphological conversion of 13 strains of three dimorphic fungi in tap and stream water. Sheiban ZB. **Bull Soc Pathol Exot** 68(1):46–50, Jan–Feb 75

Conidiogenesis in pathogenic hyphomycetes. I. Sporothrix, Exophiala, Geotrichum and Microsporum. Cole CT. **Sabouraudia** 14(1):81–98, Mar 76

IMMUNOLOGY

Skin test and blastogenic responses to Sporotrichun schenckii. Steele RW, et al. **J Clin Invest** 57(1):156–60, Jan 76

Delayed hypersensitivity cross-reactions between Sporothrix schenckii and Ceratocystis species in sporotrichotic patients. Ishizaki H, et al. **J Clin Microbiol** 3(6):545–7, Jun 76

Atigenic similarity between Ceratocystis species and Sporothrix schenckii as observed by immunofluorescence. Harada T, et al. **Sabouraudia** 14(2):211–5, Jul 76

Serologic differences in strains of Sporothrix schenckii. Nishikawa T, et al. **Sabouraudia** 13(3):285–90, Nov 75

ISOLATION & PURIFICATION

Rapid conversion of Histoplasma capsulatum, Blastomyces dermatitidis and sporothrix schenckii in tissue culture. Hempel H, et al. **J Clin Microbiol** 1(5):420–4, May 75

Isolation of Sporothrix schenckii in the soil in Israel in relation to a new case in man. Feuerman EJ, et al. **Sabouraudia** 14(2):217–22, Jul 76

[Ecology of Sporothrix schenckii and of Ceratocystis stenoceras in Corsica and Alsace, French provinces free of sporotrichosis] Mariat F. **Sabouraudia** 13(2):217–25, Jul 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Polymorphism of Sporothrix schenckii surface polysaccharides as a function of morphological differentiation. Mendonça L, et al. **Biochemistry** 15(11):2423–31, 1 Jun 76

[Microbiologic transformation of alkaloids: action of Sporotrichum sulfurescens V. Beyma and Cunninghamella Blackesleana Lendner on coronaridine] Garnier J. **Ann Pharm Fr** 33(3–4):183–8, Mar–Apr 75 **(Fre)**

[Oxygen consumption by the yeast-like and filamentous forms of Sporothrix schenckii as measured by polarography] Tréfouël MJ. **C R Acad Sci [D] (Paris)** 282(1):123–5, 5 Jan 76 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Ex vivo determination of potentially virulent Sporothrix

schenckii, Taylor JJ. **Mycopathologia** 58(2):107–14, 18 Jun 76

ULTRASTRUCTURE

Ultrastructural studies of the mycelium–to yeast transformation of Sporothrix schenckii. Garrison RG, et al. **J Bacteriol** 124(2):959–68, Nov 75

SPOROZOA

Hematozoa of the passeriforms of the Tantramar Marshes, New Brunswick. Bennett GF, et al. **Can J Zool** 53(10):1432–42, Oct 75

Use of sentinel ducks in epizootiological studies of anatid blood protozoa. Herman CM, et al. **Can J Zool** 54(7):1038–43, Jul 76

Acute enterocolitis in a human being infected with the protozoan Cryptosporidium. Nime FA, et al. **Gastroenterology** 70(4):592–8, Apr 76

A fatal cytauxzoonosis–like disease in cats. Wagner JE. **J Am Vet Med Assoc** 168(7):585–8, 1 Apr 76

Distribution of Simulium vectors of Leucocytozoon smithi in South Carolina. Noblet R, et al. **J Econ Entomol** 69(4):481–3, 16 Aug 76

Oyster–MSX interactions: alterations in hemolymph enzyme activities in Crassostrea virginica during the course of Minchinia nelsoni disease development. Douglass WR, et al. **J Invertebr Pathol** 27(3):317–23, May 76

A Minchinia–like haplosporidan parasitizing blue crabs, Callinectes sapidus. Newman MW, et al. **J Invertebr Pathol** 27(3):311–5, May 76

Nosema slovaca sp. n.: a second microsporidian of the tick Ixodes ricinus. Weiser J, et al. **J Invertebr Pathol** 26(3):411, Nov 75

Large–scale aerial treatment of an endemic area with Abate granular larvicide to control black flies (Diptera: Simuliidae) and suppress Leucocytozoon smithi of turkeys. Kissam JB, et al. **J Med Entomol** 12(3):359–62, 25 Sep 75

Leucocytozoon smithi: incidence of transmission by black flies in South Carolina (Diptera: Simuliidae). Noblet R, et al. **J Med Entomol** 12(1):111–4, 30 Apr 75

Coccidia of sandhill cranes, Grus canadensis. Courtney CH, et al. **J Parasitol** 61(4):695–9, Aug 75

Blood parasites of ruffed grouse (Bonasa umbellus) from Kentucky, Maine, Michigan, and West Virginia. Eve JH, et al. **J Parasitol** 62(1):142–4, Feb 76

The myrosperidan genus Davisia in two deep–sea fishes. Moser M, et al. **J Parasitol** 61(4):691–4, Aug 75

Encephalitozoon sp. in the blue–masked lovebird, Agapornis personata (Reichenow): first confirmed report of microsporidan infection in birds. Kemp RL, et al. **J Protozool** 22(4):489–91, Nov 75

Some problems of host and parasite interactions in the coccidia. Marquardt WC. **J Protozool** 23(2):287–90, May 76 (27 ref.)

Hepatozoon griseisciuri infection in gray squirrels of the southeastern United States. Davidson WR, et al. **J Wildl Dis** 12(1):72–6, Jan 76

Hemoprotozoa in mourning doves and other small birds of western Oklahoma. Lewis JC, et al. **J Wildl Dis** 11(4):537–9, Oct 75

Prevalence and distribution of Leucocytozoon smithi and Haemoproteus meleagridis in wild turkeys in South Carolina. Noblet R, et al. **J Wildl Dis** 11(4):516–8, Oct 75

Hepatozoon sp. infection in mink from southwestern Ontario. Presidente PJ, et al. **J Wildl Dis** 11(4):479–81, Oct 75

Studies on the life of bovine Theileria species of Japan. With special reference to growth and multiplication of parasite inhabiting the blood in the body of cattle. Tayama H. **Kitasato Arch Exp Med** 48(2–3):107–23, Sep 75

Blood parameters in Leucocytozoon smithi infected poults fed clopidol. Kohne HJ, et al. **Poult Sci** 54(2):472–4, Mar 75

Periodicity of Leucocytozoon smithi gametocytes in the peripheral blood of domestic turkeys. Noblet GP, et al. **Poult Sci** 55(3):1088–93, May 76

Survey of leucocytozoon in in South Carolina. Noblet R, et al. **Poult Sci** 55(1):447–9, Jan 76

Studies on Theileriidae (Sporozoa) in Tanzania. II. Serological characterization of Haematoxenus veliferus. Mpangala C, et al. **Tropenmed Parasitol** 27(2):192–6, Jun 76

[Fluorescence in Thelohania apodemi Doby, Jeannès and Rault, 1963, a microsporidian parasite of the brain of the fieldmouse, Apodemus sylvaticus] Doby JM, et al. **C R Soc Biol (Paris)** 169(4):1053–6, 1975 (Eng. Abstr.) **(Fre)**

[Flotation technic for the isolation of coccidial cocytes] Meingassner JG, et al. **Berl Munch Tieraerztl Wochenschr** 88(7):134–5, 1 Apr 75 (Eng. Abstr.) **(Ger)**

[Evolution cycle of Hepatozoon triatomae (Sporozoa, haemogregarinidae) parasite of Triatominea] da Rocha e Silva EO. **Rev Saude Publica** 9(3):383–91, Sep 75 **(Por)**

[Virulence and immunogenic properties in strains of Theileria annulata] Askarov EM. **Veterinariia** (5):76–8, May 75 **(Rus)**

ANALYSIS

Nuclear organisation in gametocytes of Plasmodium and Hepatocystis: a cytochemical study. Canning EU, et al. **Z Parasitenkd** 46(4):297–9, 16 Jul 75

[Amino acid makeup of the oocyst proteins of some species of coccidia of hens] Perov MF, et al. **Parazitologiia** 9(6):535–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Eimeria nebulosa n. sp. and Klossia pachyleparon n. sp. from the monitor lizard Varanus nebulosus in Malaysia. Colley FC, et al. **Ann Parasitol Hum Comp** 50(6):669–73, Nov–Dec 75

Leucocytozoon maccluri sp. n. (Haemosphorida: Leucocytozoidae) from a Thailand thrush, Zoothera marginata Blyth. Greiner EC. **J Parasitol** 62(4):545–7, Aug 76

Observations on Haemogregarina balli sp. n. from the common snapping turtle, Chelydra serpentina. Paterson WB, et al. **J Protozool** 23(2):294–301, May 76

[Coccidia and coccidiosis in the rock partridge, Alectoris graeca cypriates. I. Coccidian species, systematics and morphological characteristics and the seasonal and age–related dynamics] Zaprianov M. **Vet Med Nauki** 13(5):78–83, 1976 (Eng. Abstr.) **(Bul)**

[Gregarines of Thailand] Théodoridèès J, et al. **Ann Parasitol Hum Comp** 50(2):145–59, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Identity of Lithocystis parguerae I. Jones 1971, Gregarine parasite of Sipunculide, with Filipodium ozakii Hukui 1939] Théodoridès J. **Ann Parasitol Hum Comp** 50(1):141, Jan–Feb 75 **(Fre)**

[Lankesteria galliardi Garnham 1973] Théodoridès J, et al. **Ann Parasitol Hum Comp** 49(6):787–8, Nov–Dec 74 **(Fre)**

[New arguments in favor of Actinocephalus thyropygi Rodgi and Ball 1961 being a Stenophora (Eugregarina Stenophoridae)] Théodoridès J, et al. **Ann Parasitol Hum Comp** 49(6):785–6, Nov–Dec 74 **(Fre)**

[Spiriopsis adipophila Arvy and Peters 1972 (=Spirinella edipophila Arvy and Delage 1966), parasite of Ephemeroptera, is a sporozoan] Desportes I, et al. **C R Acad Sci [D] (Paris)** 281(14):1001–2, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[The life cycle of Frenkelia. 1. The identity of isospore buteonis from common buzzards and a Frenkelia species (F. clethrionomyobuteonis spec. n.) from red–backed mice] Rommel VM, et al. **Berl Munch Tieraerztl Wochenschr** 88(17):338–40, 1 Sep 75 (Eng. Abstr.) **(Ger)**

CYTOLOGY

[A contribution to the physiology of movement of gregarines: elements and modus of cellular movement (author's transl)] Rühl H. **Z Parasitenkd** 48(3–4):199–214, 6 Feb 76 **(Ger)**

[Methods of detecting Theileria mutans] Nikol'skiĭ SN, et al. **Veterinariia** (9):72–3, Sep 75 **(Rus)**

DRUG EFFECTS

Survey on drug resistance of chicken coccidia collected from Japanese broiler farms in 1973. Oikawa H, et al. **Jpn J Vet Sci** 37(4):357–62, Aug 75

ENZYMOLOGY

Proceedings: Electrophoretic variation of enzymes in chicken coccidia. Rollinson D, et al. **Trans R Soc Trop Med Hyg** 69(4):436–7, 1975

GROWTH & DEVELOPMENT

Studies on the development of Theileria annulata Dschunskowsky and Luhs, 1904 in the tick—Hyalomma anatolicum anatolicum Koch, 1844. Bhattacharyulu Y, et al. **Ann Parasitol Hum Comp** 50(4):397–408, Jul–Aug 75

Adaptation and possible attenuation of Theileria parva–infected cells grown in irradiated mice. Irvin AD, et al. **J Comp Pathol** 86(1):51–7, Jan 76

Development of Theileria mutants (Aitong) in the tick Amblyomma variegatum compared to that of T. parva (Muguga) in Rhipicephalus appendiculatus. Purnell RE, et al. **J Parasitol** 61(4):725–9, Aug 75

The biology of Haemogregarina bigemina Laveran & Mesnil, a parasite of the marine fish Blennius pholis Linnaeus. Davies AJ, et al. **J Protozool** 23(2):315–20, May 76

Simulation in vitro of bovine host cycle of Theileria parva. Danskin D, et al. **Nature** 261(5558):311–2, 27 May 76

Hybrid cells, infected with Theileria parva, formed by fusion of hamster and mouse cells with parasitised bovine lymphoid cells. Irvin AD, et al. **Res Vet Sci** 19(2):142–51, Sep 75

The establishment of Theileria–infected cell lines from an eland (Taurotragus oryx, Lydekker 1906). Stagg DA, et al. **Res Vet Sci** 20(2):122–6, Mar 76

On the life cycle of Theileria annulata (Dschunkowsky and Luhs, 1904) in the midgut and hemolymph of Hyalomma anatolicum excavatum (Koch, 1844). Schein E. **Z Parasitenkd** 47(2):165–7, 12 Sep 75

[Description and experimental life cycle of Schellackia balli n. sp. (Lankesterellidae) a parasite of toads in Guyana (author's transl)] Le Bail O, et al. **Ann Parasitol Hum Comp** 49(6):663–8, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Experimental studies on Gregarina ovata Dufour, 1828: macro and microsporocysts, parasitic specificity, lasting of the life cycle (author's transl)] Ormieres R. **Ann Parasitol Hum Comp** 50(5) Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Electron microscope studies on development stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of Hyalomma anatolicum excavatum (Koch, 1844) (author's transl)] Mehlhorn H, et al. **Z Parasitenkd** 48(2):137–50, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Light microscopic studies on the development of Theileria annulata (Dschunkowsky and Luhs, 1904) in Hyalomma anatolicum excavatum (Koch, 1844). I. The development in the gut of engorged nymphs (author's transl)] Schein E, et al. **Z Parasitenkd** 48(2):123–36, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Cultivation of Theileria annulata in tissue culture] Mutuzkina ZP. **Veterinariia** (4):56–7, Apr 75 **(Rus)**

IMMUNOLOGY

Antibody–induced ultrastructural changes of malarial sporozoites. Cochrane AH, et al. **J Immunol** 116(3):859–67, Mar 76

Passive transfer of coccidian oocyst antigen and diphtheria toxoid hypersensitivity in calves across species barriers. Klesius PH, et al. **Transplant Proc** 7(3):449–52, Sep 75

Application of the indirect fluorescent antibody test for diagnosis of Theileria hirci infection of sheep: using cell culture schizont antigen. Hawa N, et al. **Trop Anim Health Prod** 8(2):97–101, May 76

The effect of leucocytes from cattle immunized against East Coast fever on the migration of bovine lymphoblasts infected with Theileria parva. Muhammed SI. **Zentralbl Veterinaermed [B]** 22(6):455–60, Aug 75

[Immunofluorescence reaction in the study of the antigenic and immunogenic properties of Theileria annulata] Askarov EM. **Veterinariia** (6):74–6, Jun 75 **(Rus)**

[Study of the immunogenic properties of chicken coccidia] Krylova NP, et al. **Veterinariia** (11):58–60, Nov 75 **(Rus)**

ISOLATION & PURIFICATION

Some protozoan parasites of wild birds from the vicinity of Onderstepoort. Thomas SE, et al. **Onderstepoort J Vet Res** 42(1):67–8, Mar 75

[A new method for the liberation of microsporidia using ultrasonics] Muzzioli M. **Boll Soc Ital Biol Sper** 51(21):1501–5, 15 Nov 75 **(Ita)**

METABOLISM

DNA synthesis, reduction, and elimination during life cycles of the eimeriine cocidian, Eimeria tenella and the haemogregarine, Hepatozoon domeruei. Canning EU, et al. **Exp Parasitol** 38(2):217–27, Oct 75

Role of the micropore in nutrition of the Sporozoa. Ultrastructural study of Plasmodium cathemerium, Eimeria ferrisi, E. stiedai, Besnoitia jellisoni, and Frenkelia sp. Senaud J, et al. **Tropenmed Parasitol** 27(2):145–59, Jun 76

PARASITOLOGY

[Prevention of nosematosis in bees] Gaponova VS, et al. **Veterinariia** (9):80–2, Sep 75 **(Rus)**

PATHOGENICITY

The development and pathogenesis of Leucocytozoon simondi in Canada and domestic geese in Algonquin Park, Ontario. Desser SS, et al. **Can J Zool** 54(5):634–43, May 76

Correlation between the morphology and infectivity of Theileria lawrencei developing in the tick Rhipicephalus appendiculatus. Young AS, et al. **Parasitology** 71(1):27–34, Aug 75

PHYSIOLOGY

[Presence of synaptonematic complexes in the biological cycle of Gurleya chironomi Loubes and Maurand, 1975: an argument in favor of sexuality in microsporidia] Loubès C, et al. **C R Acad Sci [D] (Paris)** 282(10):1025–7, 8 MAR 76 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

A technique for obtaining thin sections of coccidian oocysts. Birch–Andersen A, et al. **Acta Pathol Microbiol Scand [B]** 84(4):235–9, Aug 76

Nuclear changes preceding microgamete formation in Leucocytozoon simondi and Leucocytazoon tawaki. Desser SS, et al. **Can J Zool** 54(5):799–801, May 76

Mixed infections of species of Leucocytozoon in individual birds from Atlantic Canada. Bennett GF, et al. **J Parasitol** 61(6):1091–5, Dec 75

Ultrastructural observations of a microsporidian protozoan parasite in Libinia dubia (Decapoda). II. Structure of the mature spore. Walker MH, et al. **J Parasitol** 61(6):1074–80, Dec 75

Fine structure of Encephalitozoon cuniculi from rabbits, mice and hamsters. Pakes SP, et al. **J Protozool** 22(4):481–8, Nov 75

Fine structure of oocyst transformation and the sporozoites of Leucocytozoon dubreuili. Wong TC, et al. **J Protozool** 23(1):115–26, Feb 76

Ultrastructural analysis of the freeze–etched spore envelope of the microsporidian, Nosema apis Zander. Liu TP. **Tissue Cell** 7(4):613–8, 1975

[Electron microscope studies on developmental stages of Theileria parva (Theiler, 1904) in the intestine of the tick Hyalomma anatolicum excavatum (Koch, 1844) (author's

transl)] Mehlhorn H, et al. **Tropenmed Parasitol** 27(2):182–91, Jun 76 (Eng. Abstr.) **(Ger)**
[Ultrastructure of Theileria annulata] D'iakonov LP. **Veterinariia** (3):71–5, Mar 76 **(Rus)**

SPORT MEDICINE

see related
ATHLETIC INJURIES
PROTECTIVE DEVICES

Entrapment of the sciatic nerve. Gelmers HJ. **Acta Neurochir (Wien)** 33(1–2):103–6, 1976
Vectocardiographic aspects of the abnormalities of the ventricular repolarization in high competition athletes. Chignon JC, et al. **Adv Cardiol** 16:55–6, 1976
Abatement of toxic levels of carbon monoxide in Seattle ice-skating rinks. Johnson CJ, et al. **Am J Public Health** 65(10):1087–90, Oct 75
Achilles tendonitis in runners: a report of five cases. Clancy WG Jr, et al. **Am J Sports Med** 4(2):46–57, Mar–Apr 76
The challenge of sports medicine today. Presidential address. Godfrey JD. **Am J Sports Med** 4(1):22–5, Jan–Feb 76
Ventilatory response to carbon dioxide in young athletes: a family study. Saunders NA, et al. **Am Rev Respir Dis** 113(4):497–502, Apr 76
Ischaemic electrocardiographic changes in an athlete with normal coronary arteries. Frick MH, et al. **Ann Clin Res** 7(4):264–8, Aug 75
Letter: The heart in athletes. **Ann Intern Med** 83(4):574–5, Oct 75
Ascorbic acid and athletic performance. Howald H, et al. **Ann NY Acad Sci** 258:458–64, 30 Sep 75
External otitis among swimmers and nonswimmers. Hoadley AW, et al. **Arch Environ Health** 30(9):445–8, Sep 75
Skeletal changes in divers. Williams B, et al. **Australas Radiol** 20(1):83–94, Mar 76
Ergospirometry and cardiac telemetry associated for the determination and control of resistance work during swimming. Deroanne R, et al. **Biotelemetry** 1(3):157–70, 1974
Physiological aspects of synthetic tracks. Foot motions during support phase of various running types on different track materials. Haberl R, et al. **Biotelemetry** 1(3):171–8, 1974
Efficacy of miconazole in the topical treatment of tinea pedis in sportsmen. Gentles JC, et al. **Br J Dermatol** 93(1):79–84, Jul 75
Anabolic steroids in sport. The Proceedings of an International Symposium held at the Royal Society of Medicine, London, on 14th February, 1975. **Br J Sports Med** 9(2):58–109, Jul 75
A double-blind crossover trial of methandienone (Dianabol, CIBA) in moderate dosage on highly trained experienced athletes. Freed DL, et al. **Br J Sports Med** 9(2):78–81, Jul 75
A double-blind crossover trial of methandienone (Dianabol, CIBA) in moderate dosage on highly trained experienced athletes. Freed DL, et al. **Br J Sports Med** 9(2):78–82, Jul 75
Are athletes wrong about anabolic steroids? Hervey GR. **Br J Sports Med** 9(2):74–7, Jul 75
Are athletes wrong about anabolic steroids? Hervey GR. **Br J Sports Med** 9(2):74–7, Jul 75
Anabolic detection and enforcement. Holder FW. **Br J Sports Med** 9(2):98–9, Jul 75
Anabolic detection and enforcement. Holder FW. **Br J Sports Med** 9(2):98–9, Jul 75
The use of anabolic steroids in top Swedish athletes. Ljungqvist A. **Br J Sports Med** 9(2):82, Jul 75
Anabolic steroids in athletics (or the rise of the mediocrity). Payne AH. **Br J Sports Med** 9(2):83–8, Jul 75
Editorial: Anabolic steroids in sport. Sperryn PN. **Br J Sports Med** 9(2):58–9, Jul 75
College athletics, body size, and cancer mortality. Poledna AP. **Cancer** 38(1):382–7, Jul 76
Noninvasive evaluation of ventricular hypertrophy in professional athletes. Roeske WR, et al. **Circulation** 53(2):286–91, Feb 76
The effect of long-distance running on some biochemical variables. Riley WJ, et al. **Clin Chim Acta** 65(1):83–9, 15 Nov 75
Spondylolysis in the female gymnast. Jackson DW, et al. **Clin Orthop** (117):68–73, Jun 76
Soft tissue injury in sport. Burry HC. **Exerc Sport Sci Rev** 3:275–301, 1975
Psychological effects of physical activity. Layman EM. **Exerc Sport Sci Rev** 2:33–70, 1974 (172 ref.)
Physiological assessment of maximal performance. Nagle FJ. **Exerc Sport Sci Rev** 1:313–38, 1973
Technological advances in sports medicine and in the reduction of sports injuries. Ryan AJ. **Exerc Sport Sci Rev** 1:285–312, 1973
Information retrieval in sport and physical activity. Sherman MA. **Exerc Sport Sci Rev** 3:321–49, 1975 (97 ref.)
Physical performance in boys from 10 through 16 years. Ellis JD, et al. **Hum Biol** 47(3):263–81, Sep 75
Vitamin E: fact and speculation. pp. 22–4. Alfin-Slater RB. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
Interpretation of research by the practitioner. pp. 1–7. Clarke KS. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
The National Electronic Injury Surveillance System (NEISS). pp. 13–8. Esch AF. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
The effect of an androgenic-anabolic steroid and a protein supplement on size, strength, weight, and body composition in athletes. pp. 25–8. Golding LA, et al. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
A new scientific equipment fitting technique. pp. 7–13. Herron RE. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
'Exceptional' nutritional needs of the athlete. pp. 19–21. Nelson RA, et al. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
Strength, endurance, and body composition of the female athlete. pp. 34–9. Wilmore JH. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
Effect of muscular exercise on plasma cholinesterase activity in athletes. Basu DP, et al. **Indian Heart J** 27(2):106–7, Apr 75
Physiological responses of high altitude cycle race competitors to submaximal exercise at 3300m. Nair CS, et al. **Indian J Med Res** 63(5):678–87, May 75
Backpacking with safety. Armstrong RH. **J Am Podiatry Assoc** 65(11):1080–9, Nov 75
A podiatric screening program involving 105 high school and college wrestlers. Hamblin GS, et al. **J Am Podiatry Assoc** 66(2):106–10, Feb 76
Effects of equivalent sea-level and altitude training on VO2max and running performance. Adams WC, et al. **J Appl Physiol** 39(2):262–6, Aug 75
Skeletal muscle enzymes and fiber composition in male and female track athletes. Costill DL, et al. **J Appl Physiol** 40(2):149–54, Feb 1976
Time-motion and physiological assessments of ice hockey performance. Green H, et al. **J Appl Physiol** 40(2):159–63, Feb 1976
Heat stroke, disseminated intravascular coagulation and death in a long distance runner. Charan NB, et al. **J Assoc Physicians India** 23(12):917–9, Dec 75
Physiological parameters related to running performance in college trackmen. Gutin B, et al. **J Hum Ergol (Tokyo)** 4(1):27–34, Sep 75
Editorial: Sports medicine for the disabled and the handicapped. Ghosh A. **J Indian Med Assoc** 64(10):275–6, 16 May 75
First meeting of the American Orthopaedic Society for Sports Medicine. **J Sports Med** 2(2):102–10, Mar–Apr 75
Injuries to the neck and upper extremity in sports. **J Sports Med** 1(2):38–40, Jan–Feb 73
Sixth annual symposium on the medical aspects of sports. **J Sports Med** 1(4):38–42, 1973
Second annual meeting of the American Orthopaedic Society for Sports Medicine. **J Sports Med** 2(4):222–7, Jul–Aug 74
Donald B. Slocum, MD Mr. Sports Medicine of the year. **J Sports Med** 3(5):260, Sep–Oct 75
The significance of proteinuria in athletes. Anderson RE. **J Sports Med** 3(3):133–5, May–Jun 75
Chronic orthopedic problems in the young athlete. Cahill BR. **J Sports Med** 1(3):36–9, Mar–Apr 73
Football: the pre-season examination. Clayton ML, et al. **J Sports Med** 1(4):19–24, 1973
Tibial stress syndrome in athletes. Clement DB. **J Sports Med** 2(2):81–5, Mar–Apr 75
Research in sports medicine. Ellison AE. **J Sports Med** 3(4):188–91, Jul–Aug 75
The expanding frontiers of sports medicine. Emerson RS. **J Sports Med** 1(1):36, Sep–Oct 72
Low back pain in college football linemen. Ferguson RJ, et al. **J Sports Med** 2(2):63–9, Mar–Apr 75
Sexual evaluation of 'female' athletes. François J, et al. **J Sports Med** 1(3):5–11, Mar–Apr 73
Editorial: A message from Wesley W. Hall, M.D. Hall WW. **J Sports Med** 1(1):18–9, Sep–Oct 72
Women in sports: some misconceptions. Harris DV. **J Sports Med** 1(3):15–7, Mar–Apr 73
Conditioning and training of the competitive athlete. Hirata I Jr. **J Sports Med** 1(1):14–7, Sep–Oct 72
Improving communications between team physician and radiologist. Kilhenny C. **J Sports Med** 1(1):20, Sep–Oct 72
Letter: Pre-season examination. Klein KK. **J Sports Med** 2(3):178–9, May–Jun 74
Adrenaline, arousal and sport. Krahenbuhl GS. **J Sports Med** 3(3):117–21, May–Jun 75
The need for relaxation in athletics. Kraus H. **J Sports Med** 3(1):41–3, Jan–Feb 75
The loose-jointed young athlete: recognition and treatment. Lichtor J. **J Sports Med** 1(1):22–3, Sep–Oct 72
Heat illness. Murphy RJ. **J Sports Med** 1(4):26–9, 1973
Risk factors, sports medicine and the orthopedic system: an overview. Nicholas JA. **J Sports Med** 3(5):243–59, Sep–Oct 75
The many hats of the team physician. Nixon JE. **J Sports Med** 1(2):53, Jan–Feb 73
Editorial: Presidential address. O'Donoghue DH. **J Sports Med** 1(3):12–4, Mar–Apr 73
Drug abuse in international athletics. Prokop L. **J Sports Med** 3(2):85–7, Mar–Apr 75
Intermittent claudication in athletes. Snook GA. **J Sports Med** 3(2):71–5, Mar–Apr 75
The effect of local steroid injections on tendon. Unverferth LJ, et al. **J Sports Med** 1(4):31–7, 1973
The legal responsibilities of the team physician. Willis GC. **J Sports Med** 1(1):28–9, Sep–Oct 72
Inferiority of femal athletes: myth or reality. Wilmore JH. **J Sports Med** 3(1):1–6, Jan–Feb 75
Acute occlusion of the subclavian vein in an athlete: diagnosis, etiology and surgical management. Wright RS, et al. **J Sports Med** 2(6):343–8, Nov–Dec 74
Oxygen consumption in the first stages of strenuous work as a function of prior exercise. Gutin B, et al. **J Sports Med Phys Fitness** 16(1):60–5, Mar 76
Serum enzyme levels after bobsled racing. Haralambie G, et al. **J Sports Med Phys Fitness** 16(1):54–6, Mar 76
The psychological and physiological effect of hydration on male college athletes. Johnson DJ. **J Sports Med Phys Fitness** 15(2):138–46, Jun 75
Maximal heart rate and maximal oxygen consumption of long-distance runners and other athletes. Koeslag JH, et al. **J Sports Med Phys Fitness** 16(1):17–21, Mar 76
Editorial: What medicine owes to olymphic games. La Cava G. **J Sports Med Phys Fitness** 15(4):277–81, Dec 75
The relation between heart rate and oxygen consumption during exercise. Morgan DB, et al. **J Sports Med Phys Fitness** 16(1):38–44, Mar 76
Sport in old age. Pasini G. **J Sports Med Phys Fitness** 15(2):170–1, Jun 75
Diurnal variation in performance of competitive swimmers. Rodahl A, et al. **J Sports Med Phys Fitness** 16(1):72–6, Mar 76
Malignant tumours as causes of death of former athletes. Schmid L. **J Sports Med Phys Fitness** 15(2):117–24, Jun 75
Recovery heart rate after sub-maximal work. Shapiro A, et al. **J Sports Med Phys Fitness** 16(1):57–9, Mar 76
Anthropometric and roentgenogrammetric assessment of physique and body composition of athletes specialising in throwing events. Sidhu LS, et al. **J Sports Med Phys Fitness** 15(3):192–8, Sep 75
Wolff-Parkinson-White syndrome and sports aptitude. S'Jongers JJ, et al. **J Sports Med Phys Fitness** 16(1):6–16, Mar 76
Changes in body weight, hematocrit and plasma protein concentration due to dehydration and rehydration in wrestlers. Vaccaro P, et al. **J Sports Med Phys Fitness** 16(1):45–53, Mar 76
Left ventricular hypertrophy in an athletic family; a variant of the athletic heart syndrome. Vieweg WV. **J Sports Med Phys Fitness** 15(2):132–7, Jun 75
Physiological evaluation of winter training programme for oarsmen. Wright GR, et al. **J Sports Med Phys Fitness** 16(1):22–37, Mar 76
Air embolism and decompression sickness in scuba divers. Whitcraft DD 3d, et al. **JACEP** 5(5):355–61, May 76
Asthma and athletic performance. Fitch KD, et al. **JAMA** 236(2):152–7, 12 Jul 76
Medical care of the US Olympic Team. Hanley DF. **JAMA** 236(2):147–8, 12 Jul 76
Editorial: Paul Dudley White: the porpoise heart vs the athletic heart. Mattingly TW. **JAMA** 236(2):185–7, 12 Jul 76
The 'athletic heart'. Prevalence and physiological significance of left ventricular enlargement in distance runners. Raskoff WJ, et al. **JAMA** 236(2):158–62, 12 Jul 76
Gaining and losing weight in athletics. Smith NJ. **JAMA** 236(2):149–51, 12 Jul 76
Letter: Collapse during channel swim. Keatingewr. **Lancet** 02(7987):692, 25 Sep 76
Letter: Marathon runners and impending heart-attacks. Noakes TD, et al. **Lancet** 1(7967):1020, 8 May 76
Drugs and sport. Williams JG. **Med Sci Law** 15(1):9–15, Jan 75
American College of Sports Medicine position stand on weight loss in wrestlers. **Med Sci Sports** 8(2):xi–xiii, Summer 76
Muscle fiber composition and enzyme activities of elite distance runners. Costill DL, et al. **Med Sci Sports** 8(2):96–100, Summer 76
Weight and skinfold thickness changes during a physical training course. Glick Z, et al. **Med Sci Sports** 8(2):109–12, Summer 76
Degenerative hip disease in adolescent athletes. Oka M, et al. **Med Sci Sports** 8(2):77–80, Summer 76
The effect of saddle height on oxygen consumption during bicycle ergometer work. Shennum PL, et al. **Med Sci Sports** 8(2):119–21, Summer 76
Iowa wrestling study: weight classification systems. Tipton CM, et al. **Med Sci Sports** 8(2):101–4, Summer 76
Effect of physical fitness on the adrenocortical response to exercise stress. White JA, et al. **Med Sci Sports** 8(2):113–8, Summer 76
The body composition of a college football team. Wickkiser JD, et al. **Med Sci Sports** 7(3):199–202, Fall 75
Iowa wrestling study: weight loss and urinary profiles of

collegiate wrestlers. Zambraski EJ, et al. **Med Sci Sports** 8(2):105–8, Summer 76
How different sports rate in promoting physical fitness. Conrad CC. **Med Times** 104(5):65–72, May 76
Should grammar school kids compete in contact sports? Thornton ML. **Med Times** 104(6):112–4, Jun 76
Letter: Long-distance running and sudden death. **N Engl J Med** 293(18):941–2, 30 Oct 75
Letter: Marathon vs. distance running. **N Engl J Med** 294(2):114–5, 8 Jan 76
Letter: Karate myoglobinuria. Russel SM, et al. **N Engl J Med** 293(18):941, 30 Oct 75
Letter: Heart disease in marathon runners. Scaff JH Jr. **N Engl J Med** 295(2):105, 8 Jul 76
Medical aspects of major games. Sperryn PN. **Nurs Times** 72(29):1114–6, 22 Jul 76
Vitamin B2 status in athletes and the influence of riboflavin administration on neuromuscular irritability. Haralambie G. **Nutr Metab** 20(1):1–8, 1976
What the urine contains following athletic competition. Bailey RR, et al. **NZ Med J** 83(563):309–13, 12 May 76
Training for running races. Lydiard A. **NZ Vet J** 23(11):260–1, Nov 75
Anatomical, histological, and physiological factors in experienced downhill skiers. Eriksson A, et al. **Orthop Clin North Am** 7(1):159–65, Jan 76
Peripheral blood findings of young females through the result of blood tests of students of a women's college. (Part 2) Calorie intake during camp training and athlete's anemia. Horiguchi S. **Osaka City Med J** 21(2):79–83, 1975
Exercise-induced asthma and competitive athletics. Fitch KD. **Pediatrics** 56(5 pt–2 suppl):942–3, Nov 75
Ventilatory control in athletes. Stegemann J. **Pneumonologie** 151(4):256–8, 30 May 75
End-zones to ozones. Jerva MJ. **Proc Inst Med Chic** 30(8):245–6, Jul–Sep 75
Psycho-social study of outstanding female athletes. Balazs EK. **Res Q Am Assoc Health Phys Educ** 46(3):267–73, Oct 75
Multidimensional scaling and factor analysis of coaching behavior as perceived by high school hockey players. Danielson RR, et al. **Res Q Am Assoc Health Phys Educ** 46(3):323–34, Oct 75
Self-actualization and self-concept among athletes. Ibrahim H, et al. **Res Q Am Assoc Health Phys Educ** 47(1):68–79, Mar 76
Performance outcomes of cross-country running structured in a voluntary activity class. Knowlton RG, et al. **Res Q Am Assoc Health Phys Educ** 46(3):371–8, Oct 75
Psychological scaling of AIAW code-of-ethics for players. Kroll W. **Res Q Am Assoc Health Phys Educ** 47(1):126–33, Mar 76
Kinesiological determinants of the path of the foot during the football kick. Macmillan MB. **Res Q Am Assoc Health Phys Educ** 47(1):33–40, Mar 76
Socialization effects of participation in sport: a critical review of the research. Stevenson CL. **Res Q Am Assoc Health Phys Educ** 46(3):387–301, Oct 75 (54 ref.)
Letter: Wenckebach second-degree atrioventricular block in a healthy young athlete. Cronstedt J, et al. **S Afr Med J** 50(25):952, 12 Jun 76
Characteristics of major league baseball players. **Stat Bull Metropol Life Ins Co** 56:6–8, Aug 75
[Plasmatic immunoreactive insulin in trained athletes] Karlíček V, et al. **Cas Lek Cesk** 115(11):324–6, 19 Mar 76 (Eng. Abstr.) **(Cze)**
[Sexual life of top sportsmen's wives (author's transl)] Tauš L, et al. **Cas Lek Cesk** 115(26):788–92, 2 Jul 76 (Eng. Abstr.) **(Cze)**
[We have to invest in doping prevention. Sport associations do not help] Kristensen JE. **Nord Med** 90(10):232, Oct 75 (Eng. Abstr.) **(Dan)**
[Reliability of doping tests in sports] Saris NE. **Duodecim** 91(11):687–9, 1975 **(Fin)**
[Vectorcardiographic aspects of ventricular hypertrophy in the highly competitive athlete] Chignon JC, et al. **Ann Cardiol Angeiol (Paris)** 24(4):361–4, Jul–Sep 75 (Eng. Abstr.) **(Fre)**
[Cardiocirculatory and neuromuscular effects of piracetam at rest and during exertion in young subjects in good health] S'Jongers JJ, et al. **Brux Med** 55(3):117–40, Mar 75 **(Fre)**
[Drepanocytosis and mountain sports] Brumpt LC, et al. **Bull Soc Pathol Exot** 68(1):94–9, Jan–Feb 75 **(Fre)**
[For the Games of Montreal: a modest and efficient health service] Lalonde C. **Can Med Assoc J** 114(12):1152–5, 19 Jun 76 **(Fre)**
[Ultrastructural and biochemical adaptations in human skeletal muscle after endurance training] pp. 88–91. Moesch H, et al. **In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974.** **(Fre)**
[Urination problems and bicycling] Burstin S. **Lille Med** 20(9):852–8, Nov 75 **(Fre)**
[A special dimension of the nonmedical use of drugs. II. Systematic approach to the analytical control of doping] Bertrand M, et al. **Union Med Can** 104(6):952–60, Jun 75 **(Fre)**
[A special dimension of the nonmedical use of drugs. I. Effect of drugs on sports performance] Dugal R, et al. **Union Med Can** 104(6):944–52, Jun 75 (Eng. Abstr.) **(Fre)**
[Methods of periodical sport-medical monitoring of students] Weinhold G. **Aerztl Jugendkd** 66(3):254–7, Sep 75 **(Ger)**
[The psychosomatic fatigue in the sportsman] Hüllemann KD. **Med Monatsschr** 30(8):364–70, Aug 76 **(Ger)**
[Vibration measurements during skiing, gymnastics, walking and running] Nigg BM, et al. **Med Welt** 26(16):765–70, 18 Apr 75 **(Ger)**
[Body exercises and sports] Mies H. **Munch Med Wochenschr** 118(34):1047–56, 20 Aug 76 (76 ref.) **(Ger)**
[Carbohydrates for the influencing of efficiency in sport medicine] Keul L. **Nutr Metab** 18 Suppl 1:157–70, 1975 **(Ger)**
[Tasks and significance of investigations in paediatric sport medicine (author's transl)] Huber EG. **Paediatr Paedol** 10(4):342–6, 1975 **(Ger)**
[Blood doping] Howald H. **Schweiz Z Sportmed** 23(4):201–3, 1975 **(Ger)**
[The effect of music on sports performance] Michel W, et al. **Schweiz Z Sportmed** 23(3):141–59, 1975 (Eng. Abstr.) **(Ger)**
[Preventive health examinations: check-ups in sport medicine] Frey M. **Soz Praeventivmed** 20(3–4):159–60, May–Aug 75 (Eng. Abstr.) **(Ger)**
[Development of the vertebral column and its relation to sport (author's transl)] Ehricht HG. **Ther Umsch** 31(4):243–52, Apr 74 **(Ger)**
[Editorial: Sport medicine] Matter P. **Ther Umsch** 31(4):211–2, Apr 74 **(Ger)**
[Diseases of the musculoskeletal system and sports (author's transl)] Meuli HC. **Ther Umsch** 31(4):253–5, Apr 74 (Eng. Abstr.) **(Ger)**
[Quantification of functional differences between pronounced athletic heart and the so-called normal heart] Israel S. **Z Aerztl Fortbild (Jena)** 69(14):767–9, 15 Jul 75 **(Ger)**
[Effects of dimethylaminoethanol acetyl glutamate on the attentive capacity of a group of soccer players] Rugginenti A. **Arch E Maragliano Patol Clin** 30(2):189–98, Jul–Dec 74 **(Ita)**
[Biochemical evaluation of some enzymes in athletes before and after exercise on the cycloergometer. I. Changes of ATP, ADP and AMP] Lombardi S, et al. **Boll Soc Ital Biol Sper** 51(14):854–6, 30 Jul 75 **(Ita)**
[Biochemical and cardio-respiratory evaluation of a group of athletes in various experimental conditions. II. Spirometric studies] Lombardi S, et al. **Boll Soc Ital Biol Sper** 52(3):117–20, 15 Feb 76 **(Ita)**
[Usefulness of the Three Apnea Test in evaluation of cardiorespiratory function in athletes] Tarzia R, et al. **Boll Soc Ital Biol Sper** 51(14):849–53, 30 Jul 75 **(Ita)**
[Biochemical evaluation of some enzymes in athletes before and after exercise on the cycloergometer. II. Changes in LDH and HBDH] Tarzia R, et al. **Boll Soc Ital Biol Sper** 51(14):857–8, 30 Jul 75 **(Ita)**
[Proceedings: Weight loading and speed in mountain climbing] Ito H, et al. **J Physiol Soc Jpn** 36(8–9):408, 1 Sep 74 **(Jpn)**
[Proceedings: T-wave inversion simulating myocardial infarct found in athletes] Matusumoto K, et al. **Jpn Circ J** 39(7):841, Jul 75 **(Jpn)**
[Exertional hemoglobinuria: a report of two cases (author's transl)] Takeuchi K, et al. **Jpn J Clin Hematol** 16(9):887–95, Sep 75 (Eng. Abstr.) **(Jpn)**
[Effect of 2,5 years of training in weight lifting on blood glucose and cortisol levels and the excretion of 17-hydroxycorticosteroids and 17-ketosteroids] Lukaszewska J, et al. **Endokrynol Pol** 27(2):135–42, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[Effect of physical exercise on plasma cortisol and growth hormone levels in young weight lifters] Lukaszewska J, et al. **Endokrynol Pol** 27(2):149–57, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[Effect of physical exercise on plasma cortisol, testosterone and growth hormone levels in weight lifters] Skierska E, et al. **Endokrynol Pol** 27(2):159–65, Mar–Apr 76 **(Pol)**
[Morning and afternoon plasma cortisol levels in weight lifters] Skierska E, et al. **Endokrynol Pol** 27(2):129–33, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[Effect of 2,5 years of training on plasma testosterone level in young weight lifters] Ustupska J, et al. **Endokrynol Pol** 27(2):143–8, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[Left ventricular function of the trained heart] Dubiel JP, et al. **Pol Tyg Lek** 31(10):389–92, 8 Mar 76 (Eng. Abstr.) **(Pol)**
[Some characteristics of the skeletal structure of the hand of young volley ball players] Korneva EF. **Arkh Anat Gistol Embriol** 69(10):29–33, Oct 75 (Eng. Abstr.) **(Rus)**
[The relationship between pre-exertional biochemical changes metabolic features during muscular activity] Krasnova AF, et al. **Fiziol Zh SSSR** 61(4):530–6, Apr 75 (Eng. Abstr.) **(Rus)**
[Study of the effect of impulse noises on the human body in professional sports] Andreev MV. **Gig Sanit** (8):100–2, Aug 75 **(Rus)**
[Case of Wolff-Parkinson-White syndrome in sportsmen twins] Belotserkovskiĭ ZB. **Klin Med (Mosk)** 53(7):120–2, Jul 75 **(Rus)**
[Catecholamine metabolism during physical exertion in man and animals] Matlina ESh, et al. **Usp Fiziol Nauk** 7(2):13–42, Apr–May 76 (185 ref.) **(Rus)**
[Effect of systematic training on cardiac output according to determination stroke volume data] Dushanin SA, et al. **Vrach Delo** (2):28–31, Feb 74 (Eng. Abstr.) **(Rus)**
[Study of certain biochemical indicators of the saliva and their relation to dental caries susceptibility in sportsmen before and after physical exertion] Kadzhoian VS. **Zh Eksp Klin Med** 15(6):91–8, 1975 **(Rus)**
[Differential sensitivity of the kinesthetic and visual sensory system during complex motor activity in man] Vediaev FP, et al. **Zh Vyssh Nerv Deiat** 25(1):10–6, Jan–Feb 75 (Eng. Abstr.) **(Rus)**
[Changes in the dimensions of the osseous pelvis in active sportswomen (author's transl)] Kovalčíková J. **Cesk Gynekol** 40(7):535–8, Aug 75 (Eng. Abstr.) **(Slo)**
[Sportsmen should listen more to doctors. The sex test is a terrible warning] Karlsson Y. **Nord Med** 91(2):45–7, Feb 76 **(Swe)**
[Doping in sports] Mattila M. **Nord Med** 90(10):228–31, Oct 75 (Eng. Abstr.) **(Swe)**
[Differential sensitivity of the kinesthetic, visual and auditory sensory systems of sportsmen during the period of pre-start emotional stress] Akhmedov TI. **Fiziol Zh** 22(1):101–8, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**
[The influence of regular training for gymnastics on the condition of the motor apparatus and several analyzers in gymnasts] Ivashchenko VP. **Fiziol Zh** 22(1):85–91, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**
[Changes in the functional state of the central nervous system and motor apparatus of sportsmen with different activity—rest regimes] Levakovs'kyĭ PL, et al. **Fiziol Zh** 21(5):675–81, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**
[Effect of training loads of differing direction on the efficiency of the external respiration in top-class bicyclists] Monogarov VD, et al. **Fiziol Zh** 21(6):807–12, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**
[The functional activity of the tactile-kinesthetic analyzer and free movement in schoolchildren during development and participation in sports] Zavats'kyĭ VI. **Fiziol Zh** 22(1):92–100, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

EDUCATION

[30 years of sport medicine at the School for General Medicine of the Charles' University in Prague] Novotný V, et al. **Cas Lek Cesk** 114(30):913–6, 25 Jul 75 **(Cze)**

HISTORY

[30-years of sport medicine and rehabilitation] Máček M. **Cesk Pediatr** 31(2):88, Feb 76 **(Cze)**

INSTRUMENTATION

Force plate designs and applications. Ramey MR. **Exerc Sport Sci Rev** 3:303–19, 1975
[Methods and technique of investigations in the course of sport activities of children (author's transl)] Huber EG, et al. **Paediatr Paedol** 11(3):489–94, 1976 **(Ger)**

STANDARDS

Sports medicine is a discipline that has a lot of growing to do. Woods D. **Can Med Assoc J** 114(12):1149–51, 19 Jun 76

SPORTS

see related

ATHLETIC INJURIES

The role of non-drug related treatment of asthma relying on sports ('sports therapy'). Findeisen DG. **Allergol Immunopathol (Madr)** 3(3):145–8, May–Jun 75
Sports psychology. Singer RN. **Am Correct Ther J** 29(4):115–20, Jul–Aug 75
Letter: Life expectancy and marathon running. Bassler TJ. **Am J Cardiol** 36(3):410–1, Sep 75
Abatement of toxic levels of carbon monoxide in Seattle ice-skating rinks. Johnson CJ, et al. **Am J Public Health** 65(10):1087–90, Oct 75
Tennis shoulder. Priest JD, et al. **Am J Sports Med** 4(1):28–42, Jan–Feb 76
'Toot-Toot' or spectator sports. Psychological and therapeutic implications. Proctor RC, et al. **Am J Sports Med** 4(2):78–83, Mar–Apr 76
Fractures of the distal radial epiphysis in adolescent weight lifters. Ryan JR, et al. **Am J Sports Med** 4(1):26–7, Jan–Feb 76
Basketball fireworks ... wheelchair style. Conn G. **Am Rehabil** 1(3):16–7, Jan–Feb 75
Mike's hike for the blind. Krane A. **Am Rehabil** 1(2):24–5, Nov–Dec 75
Letter: The heart in athletes. **Ann Intern Med** 83(4):574–5, Oct 75
Ocular injuries in hockey. Vinger PF. **Arch Ophthalmol** 94(1):74–6, Jan 76
University students: attainment and sport. Hendry LB, et al. **Br J Educ Psychol** 45(3):299–306, Nov 75
Letter: Hazards of modern competitive tennis. Frazer EM. **Br Med J** 2(6030):302, 31 Jul 76
Letter: Who's going to win the Olympics? Khosla T. **Br Med J** 2(6026):40–1, 3 Jul 76
Letter: Sociological factors and female Olympic potential. Khosla T. **Br Med J** 2(6033):471, 21 Aug 76
[Editorial: Are the 1976 Olympics a health hazard? Aspects of communicable disease and immunization] le Riche WH. **Can J Public Health** 67(1):7–10, Jan–Feb 76 **(Eng, Fre)**
Tennis elbow and the cervical spine. Gunn CC, et al. **Can Med Assoc J** 114(9):803–9, 8 May 76

The effects of large doses of the anabolic steroid, methandrostenolone, on an athlete. Kilshaw BH, et al. **Clin Endocrinol (Oxf)** 4(5):537–41, Sep 75

Cinematographic analyses of human movement. Atwater AE. **Exerc Sport Sci Rev** 1:217–58, 1973

Philosophy of physical education and sport (a review of the literature). Harper W. **Exerc Sport Sci Rev** 2:239–63, 1974 (160 ref.)

Social implications of the interaction between spectators and athletes. Ingham AG, et al. **Exerc Sport Sci Rev** 2:189–224, 1974

Research methodology in the sociology of sport. Loy JW, et al. **Exerc Sport Sci Rev** 2:289–333, 1974 (217 ref.)

Minority group involvement in sport: the black athlete. McPherson BC. **Exerc Sport Sci Rev** 2:71–101, 1974

A note on jogging on a windy day. Hatsell CP. **IEEE Trans Biomed Eng** 22(5):428–9, Sep 75

Basketball injuries. pp. 50–2. Blazina M, et al. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

Women in sports. pp. 32–4. Fasteau BF. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

The etiology and treatment of tennis elbow. pp. 43–50. Nirschl RP. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

Photogrammetric determination of the body composition of athletes. pp. 462–73. Bugyi B. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.**

Sport therapy in patients with cardiac heart and primary motor proclivity. pp. 130–7. Hüllemann KD, et al. **In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.**

Editorial: Title IX and the female athlete. Hirata I Jr. **J Am Coll Health Assoc** 24(2):61–2, Dec 75

A podiatric screening program involving 105 high school and college wrestlers. Hamblin GS, et al. **J Am Podiatry Assoc** 66(2):106–10, Feb 76

Cardiac limitation to maximal oxygen transport and changes in components after jogging across the US. Bruce RA, et al. **J Appl Physiol** 39(6):958–64, Dec 75

Energy cost of speec skating and efficiency of work against air resistance. Di Prampero PE, et al. **J Appl Physiol** 40(4):584–91, Apr 76

Body composition and Vo2max of exceptional weight–trained athletes. Fahey TD, et al. **J Appl Physiol** 39(4):559–61, Oct 75

An experimental model for the study of exercise–induced skeletal muscle hypertrophy. Gonyea WJ, et al. **J Appl Physiol** 40(4):630–3, Apr 76

Time–motion and physiological assessments of ice hockey performance. Green H, et al. **J Appl Physiol** 40(2):159–63, Feb 1976

A personality needs profile of some outstanding female athletes. Balazs E, et al. **J Clin Psychol** 32(1):45–9, Jan 76

Dermatologic disorders in athletes. Muller SA. **J Ky Med Assoc** 74(5):225–8, May 76

Athletics and cardiovascular health. Franks BD. **J Sports Med** 3(4):172–8, Jul–Aug 75

Proper playing conditions. Hirata I Jr. **J Sports Med** 2(4):228–34, Jul–Aug 74

The martial arts and the caucasian knee: 'a tiger by the tail'. Klein KK. **J Sports Med** 3(1):44–7, Jan–Feb 75

Weight control for high school wrestlers. Landwer GE, et al. **J Sports Med** 3(2):88–94, Mar–Apr 75

The New York State Experiment. Ley K. **J Sports Med** 1(3):42–4, Mar–Apr 73

Baseball pitching injuries in growing athletes. Lipscomb AB. **J Sports Med** 3(1):25–34, Jan–Feb 75

Groin strain injuries in ice hockey. Merrifield HH, et al. **J Sports Med** 1(2):41–2, Jan–Feb 73

The incidence of injuries in rugby football. Micheli LJ, et al. **J Sports Med** 2(2):93–8, Mar–Apr 75

Rapid weight reduction in wrestling. Ribisl PM. **J Sports Med** 3(2):55–7, Mar–Apr 75

Physiological effects of wrestling in adolescents and teenagers. Taylor AW. **J Sports Med** 3(2):76–84, Mar–Apr 75

The effects of normal and glucose syrup work diets on the performance of racing cyclists. Brooke JD, et al. **J Sports Med Phys Fitness** 15(3):257–65, Sep 75

Some predispositions for top performance in speed canoeing and their changes during the whole year training program. Cermák J, et al. **J Sports Med Phys Fitness** 15(3):243–51, Sep 75

Functional strength and skill development of young ice hockey players. Hermiston RT. **J Sports Med Phys Fitness** 15(3):252–6, Sep 75

Assessment of running performance in college males from aerobic capacity percentage utilization coefficients. Mayhew JL, et al. **J Sports Med Phys Fitness** 15(4):342–6, Dec 75

Socializing attitudes toward sport. Smith RJ, et al. **J Sports Med Phys Fitness** 16(1):66–71, Mar 76

Changes in body weight, hematocrit and plasma protein concentration due to dehydration and rehydration in wrestlers. Vaccaro P, et al. **J Sports Med Phys Fitness** 16(1):45–53, Mar 76

Letter: Hang gliding. **JAMA** 234(12):1220–1, 22 Dec 75

Olympics––the personal view. **JAMA** 236(2):170–84, 12 Jul 76

Letter: Jogging and health. Bassler TJ, et al. **JAMA** 231(1):23, 6 Jan 75

Editorial: Whither go the Olympics? Cooper DL. **JAMA** 236(2):185, 12 Jul 76

Fencing or boxing? Evered DF. **Lancet** 1(7964):857–8, 17 Apr 76

American College of Sports Medicine position stand on weight loss in wrestlers. **Med Sci Sports** 8(2):xi–xiii, Summer 76

A comparison of myocardial function in former athletes and non–athletes. Fardy PS, et al. **Med Sci Sports** 8(1):26–30, Spr 76

Forces and duration of impact, and grip tightness during the tennis stroke. Hatze H. **Med Sci Sports** 8(2):88–95, Summer 76

Iowa wrestling study: weight classification systems. Tipton CM, et al. **Med Sci Sports** 8(2):101–4, Summer 76

Iowa wrestling study: changes in the urinary profiles of wrestlers prior to and after competition. Zambraski EJ, et al. **Med Sci Sports** 7(3):217–20, Fall 75

Iowa wrestling study: weight loss and urinary profiles of collegiate wrestlers. Zambraski EJ, et al. **Med Sci Sports** 8(2):105–8, Summer 76

Blinding hockey injuries. Horns RC. **Minn Med** 59(4):255–8, Apr 76

Tennis elbow. The syndrome and a study of average players. Priest JD. **Minn Med** 59(6):367–71, Jun 76

Letter: 'Joggers' toxicosis'. Arons DL. **N Engl J Med** 295(4):233, 22 Jul 76

Letter: Preventing 'tennis elbow'. Sillman FH. **N Engl J Med** 294(3):172, 15 Jan 76

Spiroergometric and telemetric investigations during the XXI International Stoke Mandeville Games 1972 in Heidelberg. Hüllemann KD, et al. **Paraplegia** 13(2):109–23, Aug 75

Field dependence and physical ability. Barrell GV, et al. **Percept Mot Skills** 41(1):216–8, Aug 75

Comparison of women's studies students with female golf star athletes on the 16 PF. Joesting J, et al. **Percept Mot Skills** 42(2):477–8, Apr 76

Sport–related attitudes and the–Philosophies of Human Nature Scale. McCutcheon LE, et al. **Percept Mot Skills** 43(1):15–18, Aug 76

Correlation between visual disembedding and basketball shooting by male and female varsity college athletes. Pargman D, et al. **Percept Mot Skills** 41(3):956, Dec 75

Human muscle fiber types in power lifters, distance runners and untrained subjects. Prince FP, et al. **Pfluegers Arch** 363(1):19–26, 6 May 76

Sport for the disabled. Roberts K. **Physiotherapy** 60(9):271–4, Sep 74

Riding and ataxia. Saywell SY. **Physiotherapy** 61(11):334–5, Nov 75

Organized sports activities with cerebral palsied adolescents. Huberman G. **Rehabil Lit** 37(4):103–6, Apr 76

An aerobics conditioning program for the Fort Worth, Texas School District. Cooper KH, et al. **Res Q Am Assoc Health Phys Educ** 46(3):345–50, Oct 75

Multidimensional scaling and factor analysis of coaching behavior as perceived by high school hockey players. Danielson RR, et al. **Res Q Am Assoc Health Phys Educ** 46(3):323–34, Oct 75

Personality and biographical traits of superior and average college basketball officials. Fratzke MR. **Res Q Am Assoc Health Phys Educ** 46(4):484–8, Dec 75

Moral thinking in male elementary pupils as reflected by perception of basketball rules. Jantz RK. **Res Q Am Assoc Health Phys Educ** 46(4):414–21, Dec 75

Sex and orientations toward winning in sport. Kidd TR, et al. **Res Q Am Assoc Health Phys Educ** 46(4):476–83, Dec 75

Institutional socialization and college sport. Stevenson CL. **Res Q Am Assoc Health Phys Educ** 47(1):1–8, Mar 76

Comparison of the personality traits of female teacher education and physical education students. Widdop JH, et al. **Res Q Am Assoc Health Phys Educ** 46(3):274–81, Oct 75

Birth order and preference for dangerous sports among males. Yiannakis A. **Res Q Am Assoc Health Phys Educ** 47(1):62–7, Mar 76

Attitudinal differences in two types of physical education programs. Zaichkowsky LB. **Res Q Am Assoc Health Phys Educ** 46(3):364–70, Oct 75

A surgeon's golfing odyssey. Schulenburg CA. **S Afr Med J** 49(51):2139–42, 29 Nov 75

[Disc electrophoresis of urinary proteins. Change after exertion] Boshev N, et al. **Eksp Med Morfol** 14(1):26–9, 1975 **(Bul)**

[We have to invest in doping prevention. Sport associations do not help] Kristensen JE. **Nord Med** 90(10):232, Oct 75 (Eng. Abstr.) **(Dan)**

[Injuries in working–group football] Orava S, et al. **Duodecim** 91(11):714–8, 1975 (Eng. Abstr.) **(Fin)**

[Echo– and vectorcardiographic correlation tests on the left ventricle during athletic training (author's transl)] Houdas Y, et al. **Ann Cardiol Angeiol (Paris)** 25(4):271–8, Jul–Sep 76 (Eng. Abstr.) **(Fre)**

[Heart and sports] Niquet G. **Lille Med** 20 spec no:274–7, 1975 **(Fre)**

[Sports and the spine] Stofft E, et al. **Anat Anz** 137(4):369–80, 1975 (Eng. Abstr.) **(Ger)**

[Youth and sports] Mocellin R. **Med Klin** 70(37):1443–57, 12 Sep 75 (60 ref.) **(Ger)**

[Cardiovascular reactions and risks in television viewers of the soccer world cup matches] Rost R, et al. **Med Welt** 26(14):670–2, 4 Apr 75 **(Ger)**

[Juvenile smoking habit and sports activities] Biener K. **Praxis** 65(3):78–81, 20 Jan 76 (Eng. Abstr.) **(Ger)**

[The spine and horseback riding] Hördegen KM. **Schweiz Med Wochenschr** 105(21):668–75, 24 May 75 (Eng. Abstr.) **(Ger)**

[The spine and horseback riding] Hördegen KM. **Schweiz Z Sportmed** 23(1):29–43, 1975 (Eng. Abstr.) **(Ger)**

[Puberty and athletics] Morscher E. **Schweiz Z Sportmed** 23(1):7–17, 1975 (Eng. Abstr.) **(Ger)**

[Painful tibia and inflammation of the Achilles tendon as a consequence of static troubles (author's transl)] Segesser B. **Ther Umsch** 31(4):256–65, Apr 74 (Eng. Abstr.) **(Ger)**

[Marching hemoglobinuria] Heilmann E, et al. **Verh Dtsch Ges Inn Med** 81:1021–3, 1975 **(Ger)**

[Significance of the sport for the aged in a modern industrial society] de Werth C. **Z Allgemeinmed** 51(7):313, 10 Mar 75 **(Ger)**

[Suitability of various sports within the scope of preventive and rehabilitation cardiology] Frerick D. **Z Allgemeinmed** 51(4):175–9, 10 Feb 75 **(Ger)**

[Epidemiological relations between physical activity, occupation and age of obese persons] Hunecke I, et al. **Z Alternsforsch** 29(3):291–4, 1975 **(Ger)**

[Primary prevention and non–linearity in cardiovascular adaptation] Israel S. **Z Gesamte Inn Med** 30(17):567–74, 1 Sep 75 (Eng. Abstr.) **(Ger)**

[Basic principles of sports for the disabled––future tasks and goals] Herbert G. **Z Orthop** 113(4):614–6, Aug 75 **(Ger)**

[Degenerative meniscus lesions in occupational soccer players––an occupational disease?] Hess H. **Z Orthop** 113(4):669–72, Aug 75 **(Ger)**

[Juveniles in the reorganization of sports for the disabled] Kohlmann E. **Z Orthop** 113(4):608–11, Aug 75 **(Ger)**

[Various types of sports for the handicapped and their suitability for the disabled] Kosel H. **Z Orthop** 113(4):599–605, Aug 75 **(Ger)**

[Present status of sports for the handicapped in the German Federal Republic from the organizational viewpoint] Rosslenbroich E. **Z Orthop** 113(4):593–6, Aug 75 **(Ger)**

[Meniscus lesions in occupational soccer players] Schneider PG. **Z Orthop** 113(4):666–8, Aug 75 **(Ger)**

[Present status of sports for the handicapped in the German Federal Republic from the medical viewpoint] Sluet G. **Z Orthop** 113(4):596–8, Aug 75 **(Ger)**

[Degree of handicap and performance sport] Spohr HW. **Z Orthop** 113(4):606–8, Aug 75 **(Ger)**

[Sports in rehabilitation of metabolic diseases] Damm G. **ZFA** 52(16):823–7, 10 Jun 76 **(Ger)**

[Experience report following one–year's activity of the department 'horseback riding as therapy' in the Reit– und Fahrverein Schwäbisch Hall] Gerster E. **ZFA** 52(1):35–49, 10 Jan 76 **(Ger)**

[What is 'therapeutic horseback riding'?] Heipertz W. **ZFA** 52(1):1–5, 10 Jan 76 **(Ger)**

[Horseback riding for the handicapped––a way to rehabilitation] Hengst C. **ZFA** 52(1):22–9, 10 Jan 76 **(Ger)**

[Hippotherapy and therapeutic horseback riding in the treatment of children and adolescents with cerebral pareses and dysmelias] Horster R, et al. **ZFA** 52(1):15–21, 10 Jan 76 **(Ger)**

[Horseback riding as a therapy: between empiricism and scientific research] Keller K. **ZFA** 52(1):10–4, 10 Jan 76 **(Ger)**

[Therapeutic horseback riding in a psychiatric hospital] Krüger G. **ZFA** 52(1):30–4, 10 Jan 76 **(Ger)**

[Principles of horseback riding as therapy] Reichenbach M. **ZFA** 52(1):6–9, 10 Jan 76 **(Ger)**

[Effects of dimethylaminoethanol acetyl glutamate on the attentive capacity of a group of soccer players] Rugginenti A. **Arch E Maragliano Patol Clin** 30(2):189–98, Jul–Dec 74 **(Ita)**

[Spirometric and biochemical changes in athletes who practice rowing. IV. Biochemical changes in basal conditions and after intense activity] Graziadei L, et al. **Boll Soc Ital Biol Sper** 50(23–24):2024–7, 30 Dec 74 **(Ita)**

[Importance of dynamic electrocardiography in professional soccer] Rogai PL, et al. **Cardiol Prat** 26(2):159–63, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Letter: Physical training for coronary patients] Danek K. **Tidsskr Nor Laegeforen** 95(30):1752–3, 30 Oct 75 **(Nor)**

[Change in lipid metabolism in sports wrestlers under conditions of physical load and body dehydration] Levchenko KP, et al. **Ukr Biokhim Zh** 48(3):365–9, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Doping in sports] Mattila M. **Nord Med** 90(10):228–31, Oct 75 (Eng. Abstr.) **(Swe)**

[The interrelationship between recovery processes following muscular activity and periodic variations in energy metabolism] Shabatura MN. **Fiziol Zh** 20(3):370–4, May–Jun 74 (Eng. Abstr.) **(Ukr)**

HISTORY

The Herbert Moran Lecture in Medical History : Moran. Loewenthal J. **Aust NZ J Surg** 45(2):119–29, May 75

North American sport history: a review of North American sport historians and their works. Metcalfe A. **Exerc Sport Sci Rev** 2:225–38, 1974

[Historical development of sports for the handicapped] Lorenzen H. **Z Orthop** 113(4):589–92, Aug 75 **(Ger)**

SPRAINS AND STRAINS

Groin strain injuries in ice hockey. Merrifield HH, et al. **J Sports Med** 1(2):41–2, Jan–Feb 73

Strains and sprains. Williams JG. **Nurs Times** 72(33):1276–8, 19 Aug 76

[Severe sprain of the metacarpal cubital lateral ligament of the thumb. 'Game-keeper's thumb'] Dubuc F. **Union Med Can** 105(1):50–2, Jan 76 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Editorial: Pain relief in minor musculoskeletal disorders. **Br Med J** 1(6021):1302, 29 May 76

Tibiofibular synostosis: a cause of ankle disability. McMaster JH, et al. **Clin Orthop** (111):172–4, Sep 75

[Question of post-traumatic formation of para-articular bone cysts] Cserhati MD. **Z Unfallmed Berufskr** 68(2):95–103, 1975 **(Ger)**

[Osteochondrosis dissecans of the talus in recurring foot distortions] Zollinger H, et al. **Z Unfallmed Berufskr** 68(1):39–43, 1975 **(Ger)**

DIAGNOSIS

Ligamentous injuries of the ankle joint. Gerbert J. **J Am Podiatry Assoc** 65(8):802–15, Aug 75

Tenderness at motor points. A diagnostic and prognostic aid for low-back injury. Gunn CC, et al. **J Bone Joint Surg [Am]** 58(6):815–25, Sep 76

New aspects in the diagnosis of lateral ankle sprains. Lindstrand A. **Orthop Clin North Am** 7(1):247–9, Jan 76

[Severe sprains of the lower cervical spine and their consequences. A case of long-standing and unrecognized dislocation] Babin S, et al. **Nouv Presse Med** 4(28):2033–6, 30 Aug–6 Sep 75 **(Fre)**

[Diagnosis and conservative therapy of metatarsal injuries] Zobel K. **Z Orthop** 113(4):706–9, Aug 75 **(Ger)**

METABOLISM

Proceedings: The proximal end of tibia, a sensitive site for measurement of the bone mineral content in lower limb dysfunction. Nilsson BE, et al. **Am J Roentgenol** 126(6):1304, Jun 76

OCCURRENCE

A new consideration in athletic injuries. The classical ballet dancer. Miller EH, et al. **Clin Orthop** (111):181–91, Sep 75

Injuries to runners. Brubaker CE, et al. **J Sports Med** 2(4):189–98, Jul–Aug 74

PHYSIOPATHOLOGY

[Biomechanics of fractures of the posterior margin of tibia in injuries of the ankle joint] Evseev VI. **Ortop Travmatol Protez** (2):45–7, Feb 76 **(Rus)**

SURGERY

[Injuries of Lisfranc's joint: severe sprains, dislocations, fractures. Study of 39 personal cases and biomechanical classification] Bonnel F, et al. **J Chir (Paris)** 111(5–6):573–92, May–Jun 76 (Eng. Abstr.) **(Fre)**

THERAPY

Physiotherapy of muscle strains of the lower limb. Gordon HM. **Physiotherapy** 61(4):102–4, Apr 75

A cooling method in the treatment of ankle sprains. Basur RL, et al. **Practitioner** 216(1296):708–11, Jun 76

[Therapy of ligamental and retinacular injuries of the calcaneal part of the foot] Refior HJ. **Z Orthop** 113(4):709–13, Aug 75 **(Ger)**

SPREADING CORTICAL DEPRESSION

The effect of cortical spreading depression on motor performance and depth avoidance in rats. Islam S, et al. **Act Nerv Super (Praha)** 17(1):8–14, Mar 75

Spreading depression resulting from cortical punctures. Roitbak AI, et al. **Acta Neurobiol Exp (Warsz)** 35(5–6):761–8, 1975

Cortical spreading depression and memory transfer: a methodological critique. Department of Psychology, University of California, Riverside, California 92502.. **Behav Biol** 16(1):79–84, Jan 76

Metabolic responses of the awake cerebral cortex to anoxia hypoxia spreading depression and epileptiform activity. Mayevsky A, et al. **Brain Res** 98(1):149–65, 7 Nov 75

Neuronal activity and catecholamine turnover in spreading depression and feedback control. pp. 99–106. Pletscher A.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Measurements of extracellular potassium, D.C. potential and ECoG in the cortex of the conscious rat during cortical spreading depression. pp. 299–301. Crowe W, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Cortical spreading depression in relation to potassium activity, oxygen tension, local flow and carbon dioxide tension. pp. 311–5. Lehmenkühler A, et al.
In: Kessler M, et al., ed. Ion and enzyme electrodes in biology and medicine. Baltimore, University Park Press, 1976. QT 34 I71 1974.

Neuronal and glial activity during spreading depression in cerebral cortex of cat. Sugaya E, et al. **J Neurophysiol** 38(4):822–41, Jul 75

Effect of amygdaloid lesions on eating elicited by cortical spreading depression. Huston JP, et al. **Physiol Behav** 16(2):201–5, Feb 76

Pavlovian conditioning of eating induced by spreading depression in cortex, striatum and hippocampus of rats. Siegfried B, et al. **Physiol Behav** 15(1):71–8, Jul 75

Learned taste aversion induced by cortical spreading depression. Winn FJ Jr, et al. **Physiol Behav** 15(1):21–4, Jul 75

Cortical afterdischarges during Leao's cortical spreading depression. Aquino-Cias J, et al. **Physiol Bohemoslov** 25(1):66–9, 1976

Effects of spreading depression on stress-induced changes in plasma prolactin and LH. Colombo JA, et al. **Proc Soc Exp Biol Med** 150(1):211–4, Oct 75

[Effect of some central nervous interventions on Breuer's and Herring's inflation reflex in the rats] Smejkal V, et al. **Cas Lek Cesk** 114(44):1355–9, 31 Oct 75 (Eng. Abstr.) **(Cze)**

[Proceedings: Speed and recovery curve of spreading depression in the dehydrated brain] Kobayashi M, et al. **J Physiol Soc Jpn** 36(8–9):318–9, 1 Sep 74 **(Jpn)**

[Conditions for development of spreading cortical depression during application of direct current] Kuznetsov GD. **Zh Vyssh Nerv Deiat** 26(3):647–50, May–Jun 76 **(Rus)**

[Effect of spreading depression on the activity of penicillin foci in the cerebral cortex] Aquino-Cías J, et al. **Bol Estud Med Biol** 28(4):107–20, Oct 73 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Limbic system involvement in the increase in plasma prolactin following cortical spreading depression in gonadotropin-treated female rats. Colombo JA, et al. **Endocrinology** 97(2):261–4, Aug 75

Adenosine 3',5'-monophosphate in rat cerebral cortex: effect of potassium ions in vivo (cortical spreading depression). Křivánek J. **J Neurochem** 26(2):413–5, Feb 76

Facilitation of Leao's spreading depression by a pyrrolopyrimidine derivative. DeLuca B, et al. **Neuropharmacology** 14(8):537–45, Aug 75

SPRUE

[Steatorrhea: pathophysiological, diagnostic and therapeutic aspects with special reference to the newest findings on the metabolism of bile acids] Schentke KU. **Z Aerztl Fortbild (Jena)** 69(5):225–9, 1 Mar 75 **(Ger)**

BLOOD

The distribution and enteric loss of 51Cr-labelled lymphocytes in normal subjects and in patients with coeliac disease and other disorders of the small intestine. Douglas AP, et al. **Digestion** 14(1):29–43, 1976

CHEMICALLY INDUCED

Letter: Steatorrhoea complicating therapy with mefenamic acid. Chadwick RG, et al. **Br Med J** 1(6006):397, 14 Feb 76

Steatorrhoea complicating therapy with mefenamic acid. Marks JS, et al. **Br Med J** 4(5994):442, 22 Nov 75

Proceedings: On the role of carbohydrate in gliadin toxicity in coeliac disease. Stevens FM, et al. **Gut** 17(5):398, May 76

COMPLICATIONS

Atypical adrenal insufficiency with failure of the pituitary feedback receptor. A case with associated diabetes mellitus and selective IgA deficiency with steatorrhea. Hagen GA, et al. **Am J Med** 59(6):882–8, Dec 75

Letter: Occurrence of celiac sprue in a patient with Fabry's disease. Halsted CH, et al. **Ann Intern Med** 83(4):524–5, Oct 75

Prurigo nodularis and gluten enteropathy. McKenzie AW, et al. **Br J Dermatol** 95(1):89–92, Jul 76

Coeliac disease with primary cutaneous amyloidosis. Presbury DG, et al. **Br J Dermatol** 92(1):109–12, Jan 75

Proceedings: Anaemia in pregnancy and the small intestine. Myellot M. **Br J Obstet Gynaecol** 83(5):411–2, May 76

Malignancy in relatives of patients with coeliac disease. Stokes PL, et al. **Br J Prev Soc Med** 30(1):17–21, Mar 76

Letter: Coeliac disease and diffuse pulmonary disease. **Br Med J** 2(6027):106–7, 10 Jul 76

Letter: Coeliac disease and diffuse pulmonary disease. Cummiskey J, et al. **Br Med J** 1(6022):1401, 5 Jun 76

Coeliac disease with farmers' lung. Robinson TJ. **Br Med J** 1(6012):745–6, 27 Mar 76

Thrombocytosis in patients with celiac sprue. Nelson EW, et al. **Gastroenterology** 70(6):1042–4, Jun 76

Proceedings: Farmer's lung and coeliac disease. Robinson TJ. **Gut** 17(5):398–9, May 76

Letter: Gluten-sensitive polymyositis and enteropathy. Henriksson KG, et al. **Lancet** 2(7980):317, 7 Aug 76

Death from ischaemic heart-disease and malignancy in adult patients with coeliac disease. Whorwell PJ, et al. **Lancet** 2(7977):113–4, 17 Jul 76

Editorial: Bird fancier's lung and jejunal villous atrophy. **Med J Aust** 1(22):813–4, 29 May 76

Gluten-sensitive enteropathy and intestinal lymphoreticulosis. A case report. Fehmers MC, et al. **Neth J Med** 18(2):83–8, 1975

Progressive multifocal leukoencephalopathy with 10-year survival in a patient with nontropical sprue. Report of a case with unusual light and electron microscopic features. Kepes JJ, et al. **Neurology (Minneap)** 25(11):1006–12, Nov 75

Primary immunoglobulin deficiency with recurrent sinusitis and prolonged steatorrhoea. Sewell JR. **Proc R Soc Med** 69(5):357–8, May 76

Acute abdominal complications of coeliac disease. Connon JJ, et al. **Scand J Gastroenterol** 10(8):843–6, 1975

Adult coeliac disease. A case with ulceration, dermatitis herpetiformis and reticulosarcoma. Tönder M, et al. **Scand J Gastroenterol** 11(1):107–11, 1976

[Jejunal reticulosarcoma complicating adult celiac disease] Capron JP, et al. **Nouv Presse Med** 5(2):80–2, 10 Jan 76 **(Fre)**

[Reticulum cell sarcoma as a complication of sprue] Schulz HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 35(2):81–90, 1975 **(Ger)**

[Regressive myopathy with myasthenic syndrome in idiopathic gluten enteropathy] Gundlach HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(4):225–30, Apr 75 (Eng. Abstr.) **(Ger)**

[Celiac disease and malabsorption of vitamin K with severe gastrointestinal hemorrhage] Borulf S, et al. **Lakartidningen** 73(15):1428–9, 7 Apr 76 **(Swe)**

DIAGNOSIS

The butterfat absorption test in adults. Chaun H, et al. **Am J Dig Dis** 20(10):914–22, Oct 75

Steatorrhea, a simple and rapid method of diagnosis. Rossipal E, et al. **Eur J Pediatr** 122(4):297–302, 12 Jul 76

[Vitamin A absorption test. I. Pancreatic insufficiency and sprue (author's transl)] Schmidt G, et al. **Med Klin** 70(43):1745–50, 24 Oct 75 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Letter: Fortified flour. Smith HS. **Lancet** 2(7934):550–1, 20 Sep 75

Oats and barley toxicity in coeliac patients. Baker PG, et al. **Postgrad Med J** 52(607):264–8, May 76

DRUG THERAPY

Role of gluten, prednisone, and azathioprine in non-responsive coeliac disease. Hamilton JD, et al. **Lancet** 1(7971):1213–6, 5 Jun 76

Gluten-sensitive enteropathy. Inhibition by cortisol of the effect of gluten protein in vitro. Katz AJ, et al. **N Engl J Med** 295(3):131–5, 15 Jul 76

ENZYMOLOGY

[Biochemical and immunochemical demonstration of isoenzymes and the M-form of lactate dehydrogenase in jejunal biopsies from patients with celiac sprue] Frič P, et al. **Dtsch Z Verdau Stoffwechselkr** 35(5):229–34, 1975 **(Ger)**

ETIOLOGY

Hyperthyroidism and coeliac sprue: a simple association? Celle G, et al. **Acta Hepatogastroenterol (Stuttg)** 23(1):68–71, Feb 76

Role of fat maldigestion in pathogenesis of steatorrhea in ileal resection. Fat digestion after two sequential test meals with and without cholestyramine. Poley JR, et al. **Gastroenterology** 71(1):38–44, Jul 76

The pathogenesis of gluten-sensitive enteropathy. pp. 221–9. Strober W, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.

Letter: Coeliac disease. **Lancet** 2(7941):920–1, 8 Nov 75

Bird-fancier's lung and jejunal villous atrophy. Berrill WT, et al. **Lancet** 2(7943):1006–8, 22 Nov 75

Letter: Atopy and coeliac disease. Godfrey RC. **Lancet** 1(7954):305, 7 Feb 76

Letter: Coeliac disease and autoimmunity. Green FH, et al. **Lancet** 1(7966):964, 1 May 76

Letter: Coeliac disease unmasked by self-challenge with wheat germ. Sewell JR, et al. **Lancet** 1(7960):638–9, 20 Mar 76

An alternative mechanism for gluten toxicity in coeliac disease. Weiser MM, et al. **Lancet** 1(7959):567–9, 13 Mar 76

[Lipodystrophia intestinalis (Whipple's disease)—a rare origin of a sprue syndrome] Zubaidi G. **Z Gesamte Inn Med** 30(13):454–7, 1 Jul 75 (Eng. Abstr.) **(Ger)**

[Case of Golden-Kantor syndrome] Nowak C, et al. **Wiad Lek** 29(14):1295–8, 15 Jul 76 (Eng. Abstr.) **(Pol)**

[Metabolic changes in digestion and fat absorption in vagotomy patients] Ghergut A, et al. **Rev Chir [Chir]** 24(4):311–6, Jul–Aug 75 **(Rum)**

[Relationship between intestinal dysbacteriosis and

steatorrhea in patients with chronic enterocolitis] Kudinova TI, et al. **Sov Med** (11):28–32, Nov 75 (Eng. Abstr.) **(Rus)**

[Steatorrhea and hepatic cirrhosis: critical review] Duro MA, et al. **Rev Clin Esp** 137(6):489–96, 30 Jun 75 (64 ref.) **(Spa)**

IMMUNOLOGY

Antireticulin antibodies in dermatitis herpetiformis and adult coeliac disease. Their relationship to a gluten free diet and jejunal histology. Lancaster-Smith M, et al. **Br J Dermatol** 92(1):37–42, Jan 75

A comparison of histocompatibility antigens in dermatitis herpetiformis and adult coeliac disease. Seah PP, et al. **Br J Dermatol** 94(2):131–8, Feb 76

Cell-mediated immunity to gluten fraction III in adult coeliac disease. Holmes GK, et al. **Clin Exp Immunol** 24(2):259–65, May 76

Anti-reticulin antibody in jejunal juice in coeliac disease. Mawhinney H, et al. **Clin Exp Immunol** 21(3):394–8, Sep 75

The immunoglobulin class responses to oral poliovaccine in coeliac disease. Mawhinney H, et al. **Clin Exp Immunol** 21(3):399–406, Sep 75

The immunological basis of coeliac disease. Douglas AP. **Front Gastrointest Res** 1:49–73, 1975 (158 ref.)

The immune response of phiX 174 in man. III. Evidence for an association between hyposplenism and immunodeficiency in patients with coeliac disease. Baker PG, et al. **Gut** 16(7):538–42, Jul 75

T cell depletion in untreated adult coeliac disease. O'Donoghue DP, et al. **Gut** 17(5):328–31, May 76

Proceedings: Gluten antibodies (GA) in coeliac disease (CD) and dermatitis herpetiformis (DH). Scott BB, et al. **Gut** 17(5):398, May 76

Reticulin antibodies in patients with coeliac disease and their relatives. Stevens FM, et al. **Gut** 16(8):598–602, Aug 75

Br and Wh, B cell antigens in gluten sensitive enteropathy and dermatitis herpetiformis. pp. 59–69. Mann DL, et al.

In: Katz DH, Benacerraf B, ed. The role of products of the histocompatibility gene complex in immune responses. New York, Academic Press, 1976. WQ 504 R745 1975. (22 ref.)

Anticonnective tissue and other antitissue 'antibodies' in the sera of patients with coeliac disease compared with the findings in a mixed hospital population. Williamson N, et al. **J Clin Pathol** 29(6):484–94, Jun 76

Letter: Autoantibodies in patients with coeliac disease and dermatitis herpetiformis. Baker PG, et al. **Lancet** 1(7962):750, 3 Apr 76

Atopic disorders and adult coeliac disease. Hodgson HJ, et al. **Lancet** 1(7951):115–7, 17 Jan 76

HLA-DW3 associated with coeliac disease. Keuning JJ, et al. **Lancet** 1(7958):506–8, 6 Mar 76

Specific B-cell antigens associated with gluten-sensitive enteropathy and dermatitis herpetiformis. Mann DL, et al. **Lancet** 1(7951):110–1, 17 Jan 76

Food antibodies in patients with dermatitis herpetiformis and adult coeliac disease – relationship to jejunal morphology. Kumar PJ, et al. **Scand J Gastroenterol** 11(1):5–9, 1976

HLA antigens in dermatitis herpetiformis and coeliac disease. Solheim BG, et al. **Tissue Antigens** 7(1):57–9, Jan 76

METABOLISM

Zinc nutrition in celiac sprue. Solomons NW, et al. **Am J Clin Nutr** 29(4):371–5, Apr 76

Absorption of propranolol and practolol in Coeliac disease. Parsons RL, et al. **Gut** 17(2):139–43, Feb 76

Proceedings: Measurement of the functional unstirred layer thickness in the human jejunum in vivo. Read NW, et al. **Gut** 17(5):387, May 76

Regional differences in oxalate absorption by rat intestine: evidence for excessive absorption by the colon in steatorrhoea. Saunders DR, et al. **Gut** 16(7):543–8, Jul 75

The absorption of antibiotics in adult patients with coeliac disease. Parsons RL, et al. **J Antimicrob Chemother** 1(1):39–50, Mar 75

Small bowel structure and function in pancreatic steatorrhea. Bank S, et al. **Mt Sinai J Med NY** 42(6):552–64, Nov-Dec 75

MICROBIOLOGY

Letter: Prototheca and sprue. Klipstein FA, et al. **Gastroenterology** 69(6):1372–3, Dec 75

PATHOLOGY

[Quantification of the three-dimensional structure of jejunal mucosa in healthy subjects and patients with coeliac disease (author's transl)] Riecken EO, et al. **Dtsch Med Wochenschr** 101(2):51–3, 9 Jan 76 (Eng. Abstr.)

The cellular infiltrate of the jejunum in adult coeliac disease and dermatitis herpetiformis following the reintroduction of dietary gluten. Lancaster-Smith M, et al. **Gut** 16(9):683–8, Sep 75

Letter: Small-intestinal histology in coeliac disease. Dellipiani AW. **Lancet** 2(7934):550, 20 Sep 75

Letter: Small-intestinal histology in coeliac disease. McConnell RB, et al. **Lancet** 2(7931):418, 30 Aug 75

[Proceedings: Spatial structure of the mucosa of the small intestine in healthy subjects and transformation processes in sprue-like diseases] Riecken EO, et al. **Z Gastroenterol** 14(2):254, Mar 76 **(Ger)**

RADIOGRAPHY

Mesenteric angiography of non-tropical sprue. Cynn WS, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):442–6, Oct 75

The role of small bowel follow-through examination in the diagnosis of coeliac disease. Masterson JB, et al. **Br J Radiol** 49(584):660–4, Aug 76

Enteroclysis in coeliac disease. Müller WF. **Radiol Clin (Basel)** 45(2–4):140–54, 1976

SPRUE, TROPICAL

Idiopathic enteropathy: an evaluation in rural Iran with an appraisal of nutrient loss. Nasr K, et al. **Am J Clin Nutr** 29(2):169–76, Feb 76

Chronic diarrhoea. Majumder DN. **Bull Calcutta Sch Trop Med** 21(2):30–1, Apr 73

Tropical sprue. Tomkins AM, et al. **Nurs Times** 71(42):1649–50, 16 Oct 75

DIAGNOSIS

Tropical sprue in American servicemen following return from Vietnam. Pittman FE, et al. **Am J Dig Dis** 21(6):393–8, May 76

ENZYMOLOGY

Secretion of exocrine pancreatic enzymes in patients with tropical sprue, following stimulation by a test meal. Balagopal G, et al. **Indian J Med Res** 63(8):1138–49, Aug 75

ETIOLOGY

Tropical sprue: a consideration of possible etiologic mechanisms with emphasis on pteroylpolyglutamate metabolism. Butterworth CE Jr, et al. **Trans Am Clin Climatol Assoc** 86:11–22, 1975

IMMUNOLOGY

Serum immunoglobulins in tropical sprue. Misra RC, et al. **Indian J Med Res** 64(2):211–7, Feb 76

METABOLISM

Assessment of vitamin B12 absorption in tropical sprue utilizing a whole body counter. Corcino JJ, et al. **Bol Asoc Med PR** 68(2):29–31, Feb 76

Vitamin B12 absorption—a study of intraluminal events in control subjects and patients with tropical sprue. Kapadia CR, et al. **Gut** 16(12):988–93, Dec 75

[Folic acid absorption in tropical enteropathy (author's transl)] Fleischer NK. **Med Klin** 71(31):1273–6, 30 Jul 76 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Enterotoxigenic intestinal bacteria in tropical sprue. IV. Effect of linoleic acid on growth interrelationships of Lactobacillus acidophilus and Klebsiella pneumoniae. Mickelson MJ, et al. **Infect Immun** 12(5):1121–6, Nov 75

Enterotoxigenic intestinal bacteria in tropical sprue. III. Preliminary characterization of Klebsiella pneumoniae enterotoxin. Klipstein FA, et al. **J Infect Dis** 132(2):200–3, Aug 75

PATHOLOGY

Tropical sprue: subclinical and idiopathic enteropathy. Haghighi P, et al. **Pathol Annu** 10:177–203, 1975 (175 ref.)

SPUTUM

Scanning of viscosity in sputum. Jenssen AO. **Scand J Respir Dis** 57(1):31–6, 1976

Determination of drug concentrations in serum, urine and sputum in children's respiratory tract infections treated with Sumetrolim. Nevihosténvi G, et al. **Ther Hung** 23(2):67–70, 1975

[Diurnal variations of the viscosity of bronchial secretions in chronic bronchitis] Puchelle E, et al. **Biorheology** 12(1):67–71, Feb 75 **(Fre)**

[Effect of a single inhalation of alkaline water 'Mieszko' on some rheological properties of sputum] Kossmann S, et al. **Pol Tyg Lek** 31(18):753–5, 3 May 76 (Eng. Abstr.) **(Pol)**

[Pulmonary ventilation and sputum viscosity in miners with chronic bronchitis complicating pneumoconiosis] Turczyński B, et al. **Pol Tyg Lek** 31(27):1141–3, 5 Jul 76 (Eng. Abstr.) **(Pol)**

[Level of microelements in the sputum of patients with inflammatory and tumorous processes of the lungs] Trubnikov GV. **Ter Arkh** 47(8):132–7, 1975 (Eng. Abstr.) **(Rus)**

ANALYSIS

Sputum and serum levels of amoxycillin in chronic bronchial infections. Ingold A. **Br J Dis Chest** 69:211–6, Jul 75

Microfiltration method for quantitative study of fibrous particles in biological specimens. Bignon J, et al. **Environ Health Perspect** 9:155–60, Dec 74

Concentration of gentamicin in bronchial secretions of children with cystic fibrosis of tracheostomy. (Comparison between the intramuscular route, the endotracheal instillation and aerosolization). Baran D, et al. **Int J Clin Pharmacol Biopharm** 12(3):336–41, Oct 75

Letter: Doxycycline in bronchial secretions. Hartnett BJ, et al. **Med J Aust** 1(9):280, 28 Feb 76

Comparative effectiveness of tetracycline, minocycline and doxycycline in treatment of acute-on-chronic bronchitis. A study based on sputum levels. Ruhen RW, et al. **Med J Aust** 1(6):151–3, 7 Feb 76

Minocycline, doxycycline and tetracycline levels in serum and bronchial secretions of patients with chronic bronchitis. Ruhen RW, et al. **Pathology** 7(3):193–7, Jul 75

Doxycycline in serum and bronchial secretions. Hartnett BJ, et al. **Thorax** 31(2):144–8, Apr 76 (23 ref.)

[Thr prognostic value of chronic cough, sputum and spirometry assessed by 10-year mortality among 1487 working men (author's transl] Kauffmann F, et al. **Bull Physiopathol Respir (Nancy)** 11(1):45–64, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Long term pulmonary clearance of fibrous particles in man] pp. 205–17. Bignon J, et al.

In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974. (Eng. Abstr.) **(Fre)**

[Letter: The degree of infection of sputum in pneumologic practice. The objective parameters susceptible to characterization. Critical study] Michel FB, et al. **Nouv Presse Med** 4(28):2042–3, 30 Aug–6 Sep 75 **(Fre)**

[Quantitative study of alpha 1 antitrypsin and alpha 2 macroglobulin in the sputum] Tonnel AB, et al. **Pathol Biol (Paris)** 23(7):541–5, Sep 75 (Eng. Abstr.) **(Fre)**

[Bronchial secretion –rejection mechanisms in the lung and bronchi] Renovanz HD. **Med Monatsschr** 29(4):161–5, APR 75 **(Ger)**

[Tetracycline fluorescence test in the diagnosis of bronchopleuropulmonary tumors. Its value compared with other examinations of the sputum and pleural effusion] Fossati C. **Quad Sclavo Diagn** 11(3):646–60, Sep 75 (Eng. Abstr.) **(Ita)**

[Methods of determination of rifampicin concentration in sputum] Pawlowska I, et al. **Gruzlica** 43(11):969–75, Nov 75 (Eng. Abstr.) **(Pol)**

[DEAE-cellulose chromatography of glycoproteins of the sputum in some broncho-pulmonary diseases] Artenie V, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):295–9, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

CYTOLOGY

Electron microscopic observations on sputum in alveolar cell carcinoma. Lefer LG, et al. **Acta Cytol (Baltimore)** 20(1):26–31, Jan–Feb 76

Malignancy associated changes in sputum: a correlated study of 315 patients. van Oppen Toth B, et al. **Acta Cytol (Baltimore)** 19(6):573–6, Nov–Dec 75

Examining sputum. Chodosh S, et al. **Am Fam Physician** 12(3):116–21, Sep 75

Sputum picture in workers at an Egyptian asbestos-cement pipe factory. Attia OM, et al. **J Egypt Med Assoc** 58(3–4):227–33, 1975

Sputum cytopathological findings in former asbestos workers. Greenberg SD, et al. **Tex Med** 72(1):39–43, Jan 76

Survey of the sputum cytology service in England and Wales. Oswald NC, et al. **Thorax** 30(5):489–96, Oct 75

[Letter: Lung cancer—ambulatory diagnosis of expectorate] Winslow J. **Ugeskr Laeger** 138(22):1335–6, 24 May 76 **(Dan)**

[Detection of bronchopulmonary cancer through the study of expectoration] Renault P, et al. **Nouv Presse Med** 5(19):1252–4, 8 May 76 **(Fre)**

[Symptoms of asthma in the sputum] Fischnaller M. **Wien Med Wochenschr** 125(46):657, 14 Nov 75 **(Ger)**

DRUG EFFECTS

Effect of atropine on sputum production. Lopez-Vidriero MT, et al. **Thorax** 30(5):543–7, Oct 75

[Short Communication: Rotation-viscosimetric determinations of the effect of ipratropiumbromide on bronchial excretion/a double blind study] Stresemann E. **Arzneim Forsch** 26(5a):1013–5, 1976 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Characterization of masked specific proteinase inhibitor from bronchial secretions in purulent sputum as complex with leucocytic proteinases. Hochstrasser K, et al. **Pneumonologie** 152(1–3):15–24, 26 Sep 75

[Mucous membrane specific protease inhibitors in bronchial mucus in severe chronic obstructive bronchitis and in alpha 1-antitrypsin deficiency syndrome] Rasche B, et al. **Respiration** 32(5):340–54, 1975 **(Ger)**

[Changes in the serum and sputum histaminase activity during balneotherapy for chronic bronchitis in miners] Bednarski W, et al. **Pol Tyg Lek** 31(6):221–2, 9 Feb 76 (Eng. Abstr.) **(Pol)**

[Method of determination of lysozyme activity in the sputum and its fluctuations in pneumonia] Zabirov ISh, et al. **Lab Delo** (7):424–5, 1975 **(Rus)**

IMMUNOLOGY

Immunological studies on bronchial secretion. I. Antigenic relationship between bronchial secretion and serum: bronchial secretion constituents detected in human sera.

Mendes E. **Acta Allergol (Kbh)** 30(5):259–66, Nov 75
Immunological studies on bronchial secretion. II. Antibodies against bronchial secretion in systemic lupus erythematosus and asthmatic patients. Mendes E. **Acta Allergol (Kbh)** 30(5):267–71, Nov 75
Interactions of Pseudomonas aeruginosa with immunoglobulins and complement in sputum. Hann S, et al. **Infect Immun** 14(1):114–7, Jul 76
Detection of pneumococcal polysaccharide in the sputum of patients with pneumococcal pneumonia by counterimmunoelectrophoresis. Perlino CA, et al. **J Lab Clin Med** 87(3):496–502, Mar 76
[Importance of the concentrations of IgE and IgA in the serum and secretions in bronchial asthma] Kotevski LJ. **God Zb Med Fak Skopje** 20:123–31, 1974 (Eng. Abstr.) **(Ser)**

MICROBIOLOGY

Sputum fixatives: how safe is 50% alcohol? O'Hara CM, et al. **Acta Cytol (Baltimore)** 20(4):400–3, Jul–Aug 76
Computer files and analyses of laboratory data from tuberculosis patients. II. Analyses of six years' data on sputum specimens. Blair EB, et al. **Am Rev Respir Dis** 113(4):427–32, Apr 76
Chronic pulmonary histoplasmosis with declining complement fixation titers and persistence of positive sputum culture. A case report. Fouts JB, et al. **Am Rev Respir Dis** 113(5):677–82, May 76
Letter: Acid-fast smears in tuberculosis detection. Borchardt KA, et al. **Ann Intern Med** 84(3):344, Mar 76
Inhalation of sodium chloride droplets with sputum production. Heyworth F. **Bull Int Union Tuberc** 49 suppl 1:189–91, Aug 74
Collection and transport of specimen. O'Connor BF. **Bull Int Union Tuberc** 49 suppl 1:183–7, Aug 74
Proceedings: How many specimens? Oliver W. **Bull Int Union Tuberc** 49 suppl 1:188, Aug 74
The significance of isolating low numbers of mycobacterium tuberculosis in culture of sputum specimens. MacGregor RR, et al. **Chest** 68(4):518–23, Oct 75
Microbiological and clinical evaluation of expectorated sputum: a diagnostic dilemma. Scott EG. **Del Med J** 48(1):9–11, Jan 76
Three simple tests as an adjunct to the niacin test for the small mycobacteriology laboratory. Gruft H. **Health Lab Sci** 13(3):179–83, Jul 76
Methods to improve detection of pneumococci in respiratory secretions. Dilworth JA, et al. **J Clin Microbiol** 2(5):453–5, Nov 75
New satellitism test for isolation and identification of Haemophilus influenzae and Haemophilus parainfluenzae in sputum. Evans NM, et al. **J Clin Microbiol** 1(1):89–95, Jan 75
Mycobacterium resembling Mycobacterium fortuitum that produces brown pigment. Hawkins JE, et al. **J Clin Microbiol** 3(4):453–5, Apr 76
Effect of cetylpyridinium chloride on pathogenic fungi and Nocardia asteroides in sputum. Phillips BJ, et al. **J Clin Microbiol** 3(3):272–6, Mar 76
Use of cetylpyridinium chloride and sodium chloride for the decontamination of sputum specimens that are transported to the laboratory for the isolation of Mycobacterium tuberculosis. Smithwick RW, et al. **J Clin Microbiol** 1(5):411–3, May 75
A note on the use of immunofluorescent methods for the detection of Pseudomonas aeruginosa in bronchitic sputum. Sands RL, et al. **J Clin Pathol** 28(12):997–9, Dec 75
Bacteriologic diagnosis of acute pneumonia. Comparison of sputum, transtracheal aspirates, and lung aspirates. Davidson M, et al. **JAMA** 235(2):158–63, 12 Jan 76
Notes on the Ziehl-Neelsen staining of sputum. Marks J. **Tubercle** 55(3):241–4, Sep 74
[Lauryl sulfate method in culturing sputum for primary isolation of mycobacteria] Gashi A, et al. **Plucne Bolesti Tuberk** 27(4):296–300, Oct–Dec 75 (Eng. Abstr.) **(Cro)**
[Efficacy of fluorescence microscopy in the detection of acidoresistant bacilli from the sputum] Popović I, et al. **Plucne Bolesti Tuberk** 27(3):182–6, Jul–Sep 75 (Eng. Abstr.) **(Cro)**
[The origin of yeast in the sputum (author's transl)] Fragner P, et al. **Cas Lek Cesk** 115(17):508–12, 30 Apr 76 (Eng. Abstr.) **(Cze)**
[Cultivation BT negativity in microscopically positive sputum samples (author's transl)] Víznerová A. **Cesk Epidemiol Mikrobiol Imunol** 24(6):344–9, Nov 75 (Eng. Abstr.) **(Cze)**
[Transtracheal puncture in the etiologic diagnosis of broncho-pulmonary infections] De Koster JP, et al. **Lille Med** 21(2):108–15, Feb 76 **(Fre)**
[Quantitative bacteriology of sputum: attempt at interpretation of the pathogenic role of identified germs] Martin G, et al. **Lille Med** 21(2):92–6, Feb 76 **(Fre)**
[Value of cytological and bacteriological sputum examinations in the diagnosis of infection in chronic bronchial diseases] Sosnowski W. **Lille Med** 21(2):100–7, Feb 76 **(Fre)**
[Sputum examination in the diagnosis and treatment of chronic bronchitis (author's transl)] Endres P, et al. **Prax Pneumol** 29(6):331–6, Jun 75 (Eng. Abstr.) **(Ger)**
[Sputum conversion and behavior of cavitations in the years 1967–1973] Weiss T. **Schweiz Med Wochenschr** 105(48):1626–7, 29 Nov 75 (Eng. Abstr.) **(Ger)**
[A method for collecting a bronchopulmonary secretion specimen from children] Candussio G, et al. **Minerva Pediatr** 27(35):1957–7, 10 Nov 75 **(Ita)**
[Supplementary notes on securing sputum washing and bacterial culture methods for the purpose of isolating the causative agents in respiratory infections] Hada M. **J Jpn Assoc Infect Dis** 49(5):187–224, May 75 (Eng. Abstr.) **(Jpn)**
[Current status of sputum culture test] Matsunaga K. **Jpn J Bacteriol** 30(1):272, Jan 75 **(Jpn)**
[Investigations on the occurrence of Staphylococcus aureus in the sputum of patients with tuberculosis of the lungs during the course of streptomycin treatment (author's transl)] Mysakowska H, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:177–82, 1974 (Eng. Abstr.) **(Pol)**
[Late, sporadic and paucibacillary elimination of mycobacteria in patients with stable sequelae after chemotherapy] Barbu Z, et al. **Rev Ig [Pneumoftiziol]** 23(4):361–9, Jul–Sep 74 (Eng. Abstr.) **(Rum)**
[Improving the effectiveness of sputum analysis for Mycobacteria tuberculosis. 1] Erlikh ShA. **Lab Delo** (8):489–91, 1975 **(Rus)**
[Treatment of sputum and other pathological material with surface-active agents for isolation of Mycobacteria tuberculosis] Rudoĭ NM, et al. **Lab Delo** (8):487–9, 1975 **(Rus)**
[Microflora of sputum from patients with acute pneumonia] Shapiro AV, et al. **Lab Delo** (8):491–4, 1975 **(Rus)**
[Candida infections and their evolution in patients receiving parenteral feeding] Ize Lamache L, et al. **Prensa Med Mex** 40(9–10):285–90, Sep–Oct 75 (Eng. Abstr.) **(Spa)**
[Nocardia isolated from the respiratory tract] De Guerra CA, et al. **Rev Asoc Argent Microbiol** 7(1):1–9, Jan–Apr 75 (Eng. Abstr.) **(Spa)**
[Case finding by means of microscopy of sputum] Rodarte H, et al. **Salud Publica Mex** 18(1):35–45, Jan–Feb 76 (Eng. Abstr.) **(Spa)**
[Centralization of bacteriological studies on tuberculosis in the Federal District] Rodarte Macías H, et al. **Salud Publica Mex** 18(1):81–8, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Sputum cytology in two cases of Wegener's granulomatosis. Hector MF. **J Clin Pathol** 29(3):259–63, Mar 76

PHYSIOLOGY

Physical properties of sputum—VI: Physical-chemical factors in sputum rheology. Chen TM, et al. **Biorheology** 13(3):211–8, Jun 76
Sputum and mucociliary clearance mechanisms. Reid L. **Postgrad Med J** 52(606):183–9, Apr 76 (20 ref.)
[Rheology and biochemistry of secretions: relationship to respiratory function] pp. 19–36. Puchelle E, et al. **In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974.** (Eng. Abstr.) **(Fre)**
[Rheological and biochemical properties of sputum. Role of infection (author's tansl)] Puchelle E, et al. **Pathol Biol (Paris)** 24(2):93–6, Feb 76 (Eng. Abstr.) **(Fre)**
[Rheology of sputum] Turczński B, et al. **Pneumonol Pol** 44(7):663–8, Jul 76 **(Pol)**

SECRETION

Relationship of sputum quantity to pulmonary function. Samios R. **Physiotherapy** 61(11):336, Nov 75
Bronchorrhoea. Lopez-Vidriero M, et al. **Thorax** 30(6):624–30, Dec 75

SQ 18506 see under **NITROFURANS**

SQ 20009 see under **NICOTINIC ACIDS**

SQ 20881 see under **OLIGOPEPTIDES**

SQUALENE

ANALOGS & DERIVATIVES

Oxidosqualene cyclization in human placenta. An easy step of sterol biosynthesis. Tabacik C, et al. **Biochim Biophys Acta** 398(3):490–5, 19 Sep 75
Investigations on the biosynthesis of steroids and terpenoids. Part XII. Biosynthesis of 3beta-hydroxy-triterpenoids and -steroids from (3S)-2,3-epoxy-2,3-dihydrosqualene. Barton DH, et al. **J Chem Soc [Perkin I]** (12):1134–8, 1975

ANALYSIS

Measurement of squalene in human tissues and plasma: validation and application. Liu GC, et al. **J Lipid Res** 17(1):38–45, Jan 76

BIOSYNTHESIS

Squalene biosynthesis. Role of the 3-methyl group in farnesyl pyrophosphate. Ortiz de Montellano PR, et al. **J Am Chem Soc** 98(10):3020–1, 12 May 76

BLOOD

Plasma squalene as an index of cholesterol synthesis. Nestel PJ, et al. **Clin Sci Mol Med** 49(6):621–4, Dec 75
Effect of alimentation on human serum squalene levels. Lewis RW. **Lipids** 11(6):430–3, Jun 76
Measurement of cholesterol synthesis in man by isotope kinetics of squalene. Liu GC, et al. **Proc Natl Acad Sci USA** 72(11):4612–6, Nov 75

ISOLATION & PURIFICATION

The squalene content of atheromatous plaques. A re-examination. Lewis RW. **Atherosclerosis** 22(3):637–40, Nov–Dec 75

METABOLISM

Effect of a supernatant protein on microsomal squalene epoxidase and 2,3-oxidosqualene-lanosterol cyclase. Saat YA, et al. **J Biol Chem** 251(17):5155–60, 10 Sep 76

SQUALENE SYNTHETASE see under **OXIDOREDUCTASES**

SQUID

Transportation and maintenance of adult squid (Doryteuthis bleekeri) for physiological studies. Matsumoto G. **Biol Bull** 150(2):279–85, Apr 76
High noradrenaline content of a squid ganglion. Juorio AV, et al. **Brain Res** 104(2):379–83, 12 Mar 76
Cytochemical localization of cholinesterase activity at the giant synapse of the squid. Brzin M, et al. **Histochemistry** 43(4):305–11, 9 Jun 75
Effects of thiamine antagonists on nerve conduction. II. Voltage clamp experiments with antimetabolites. Goldberg DJ, et al. **J Neurobiol** 6(5):453–62, Sep 75
[Establishment of a primary culture of cells from embryonic tissue of Loliyo vulgaris L.(Cephalopod)] Marthy HJ, et al. **C R Acad Sci [D] (Paris)** 280(3):291–4, 20 Jan 75 (Eng. Abstr.) **(Fre)**

ANALYSIS

Structural glycoprotein from squid (Sepia officinalis) skin. Moczar M, et al. **Comp Biochem Physiol [B]** 53(2):255–61, 1976
Distribution of rhodopsin and retinochrome in the squid retina. Hara T, et al. **J Gen Physiol** 67(6):791–805, Jun 76
Natural tranquilliser in cephalopod eggs. Marthy HJ, et al. **Nature** 261(5560):496–7, 10 Jun 76

ANATOMY & HISTOLOGY

The cells that secrete the beaks in octopods and squids (Mollusca, Cephalopoda). Dilly PN, et al. **Cell Tissue Res** 167(2):229–41, 16 Mar 76
The nervous system of Loligo. II. Suboesophageal centres. Young JZ. **Philos Trans R Soc Lond [Biol]** 274(930):101–67, 18 Mar 76

ENZYMOLOGY

Preparation and characterization of two isozymes of choline acetyltransferase from squid head ganglia. Polsky R, et al. **Biochim Biophys Acta** 445(1):25–42, 12 Aug 76
Preparation and characterization of two isozymes of choline acetyltransferase from squid head ganglia. II. Self-association, molecular weight determinations, and studies with inactivating antisera. Polsky R, et al. **Biochim Biophys Acta** 445(1):43–66, 12 Aug 76
The pyruvate branch point in squid brain: competition between octopine dehydrogenase and lactate dehydrogenase. Fields JH, et al. **Can J Zool** 54(6):879–85, Jun 76
Octopine dehydrogenase in squid mantle. Fields JH, et al. **Comp Biochem Physiol [B]** 52(1):158, 15 Sep 75
Squid muscle citrate synthase: control of carbon entry into the Krebs cycle. Hochachka PW, et al. **Comp Biochem Physiol [B]** 52(1):193–9, 15 Sep 75
Alpha-glycerophosphate dehydrogenase: its role in the control of the cytoplasmic arm of the alpha-glycerophosphate cycle in squid mantle. Storey KB, et al. **Comp Biochem Physiol [B]** 52(1):169–73, 15 Sep 75
Squid muscle pyruvate kinase: control properties in a tissue with an active alpha-GP cycle. Storey KB, et al. **Comp Biochem Physiol [B]** 52(1):187–91, 15 Sep 75
Squid muscle malic enzyme. Storey KB, et al. **Comp Biochem Physiol [B]** 52(1):183–5, 15 Sep 75
Redox regulation of muscle phosphofructokinase in a fast swimming squid. Storey KB, et al. **Comp Biochem Physiol [B]** 52(1):159–63, 15 Sep 75
Squid muscle fructose diphosphatase and its role in the control of F6P-FDP cycling. Storey KB, et al. **Comp Biochem Physiol [B]** 52(1):165–8, 15 Sep 75
Squid muscle glyceraldehyde-3-phosphate dehydrogenase: control of the enzyme in a tissue with an active alpha-glycero-P cycle. Storey KB, et al. **Comp Biochem Physiol [B]** 52(1):179–82, 15 Sep 75
Comparison of DFP-hydrolyzing enzyme purified from head ganglion and hepatopancreas of squid (Loligo pealei) by means of isoelectric focusing. Garden JM, et al. **Comp Biochem Physiol [C]** 52(2):95–8, 1 Dec 75
Distribution of diisopropylphosphorofluoridate-hydrolyzing enzyme between sheath and axoplasm of squid giant axon. Hoskin FC. **J Neurochem** 26(5):1043–5, May 76

[Rhabdomere adenosine triphosphatase systems of the squid Todarodes sloanei pacificus] Berman AL, et al. **Zh Evol Biokhim Fiziol** 12(3):287–8, May–Jun 76 (Eng. Abstr.) **(Rus)**

METABOLISM

On the role of octopine dehydrogenase in cephalopod mantle muscle metabolism. Fields JH, et al. **Can J Zool** 54(6):871–8, Jun 76

Metabolic sources of power for mantle muscle of a fast swimming squid. Hochachka PW, et al. **Comp Biochem Physiol [B]** 52(1):151–8, 15 Sep 75

Changes in 125I-labeled membrane proteins during excitation of the squid giant axon. Takenaka T, et al. **Comp Biochem Physiol [B]** 55(1):89–93, 1976

Site of biosynthesis of brain-specific proteins in the giant fibre system of the squid. Alema S, et al. **J Neurochem** 26(5):995–9, May 76

Effects of calcium on the local anesthetic suppression of ionic conductances in squid axon membranes. Narahashi T, et al. **J Pharmacol Exp Ther** 197(2):426–38, May 76

An octopus toxin, maculotoxin, selectively blocks sodium current in squid axons. Gage PW, et al. **J Physiol (Lond)** 259(2):427–43, Jul 76

The temperature dependence of the movement of potassium and chloride ions associated with nerve impulses. Landowne D, et al. **J Physiol (Lond)** 259(1):145–58, Jul 76

PHYSIOLOGY

Temperature and impulse velocity in giant axon of squid Loligo pealei. Easton DM, et al. **Am J Physiol** 229(5):1249–53, Nov 75

Adaptation and accommodation in the squid axon. Fohlmeister JF. **Biol Cybern** 18(1):49–60, 1975

Squid giant axons. A model for the neuron soma? Ramón F, et al. **Biophys J** 16(8):953–63, Aug 76

A brief review of the biology of the oceanic squid, Symplectoteuthis oualaniensis (Lesson). Young RE. **Comp Biochem Physiol [B]** 52(1):141–3, 15 Sep 75

Tricaine (MS–222): effects on ionic conductances of squid axon membranes. Frazier DT, et al. **Eur J Pharmacol** 33(2):313–7, Sep–Oct 75

Aspects of the biochemistry of cholinergic transmission in Torpedo and Loligo. pp. 515–34. Whittaker VP. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.** (56 ref.)

Resistivity of axoplasm. II. Internal resistivity of giant axons of squid and Myxicola. Carpenter DO, et al. **J Gen Physiol** 66(2):139–48, Aug 75

Resistivity of axoplasm. I. Resistivity of extruded squid axoplasm. Cole KS. **J Gen Physiol** 66(2):133–8, Aug 75

A long-lasting birefringence change recorded from a tetanically stimulated squid giant axon. Watanabe A, et al. **J Neurobiol** 7(3):271–86, May 76

Ca2+ concentration and interaction of long-lasting local anaesthetics with the squid axon membrane. Lakshminarayanaiah N, et al. **J Pharm Pharmacol** 27(10):787–9, Oct 75

Site of action and active form of procaine in squid giant axons. Narahashi T, et al. **J Pharmacol Exp Ther** 194(3):506–13, Sep 75

Actions of trihexyphenidyl and benztropine on squid axon membranes. Wu CH, et al. **J Pharmacol Exp Ther** 197(1):135–41, Apr 76

Mechanism of action of quinidine on squid axon membranes. Yeh JZ, et al. **J Pharmacol Exp Ther** 196(1):62–70, Jan 76

Bioluminescent countershading in midwater animals: evidence from living squid. Young RE, et al. **Science** 191(4231):1046–8, 12 Mar 76

ULTRASTRUCTURE

The ultrastructure of the mantle musculature of the squid Symplectoteuthis oualaniensis. Moon TW, et al. **Comp Biochem Physiol [B]** 52(1):145–9, 15 Sep 75

A light and electron microscope study of intra-epithelial putative mechanoreceptors in squid suckers. Santi PA, et al. **Tissue Cell** 7(4):689–702, 1975

SQUILL

ANALYSIS

Examination of squill tissue cultures for bufadienolides and anthocyanins. Shyr SE, et al. **Planta Med** 29(1):86–90, Feb 76

PHARMACODYNAMICS

Comparative potencies of European and Indian squill. Hakim FS, et al. **J Pharm Pharmacol** 28(1):81–2, Jan 76

SQUINT see **STRABISMUS**

SQUIRREL FIBROMA VIRUS see under **POXVIRUSES**

SQUIRREL MONKEYS see under **MONKEYS**

SQUIRRELS

On the distribution of heavy metals in the ovary of common ground squirrel, Funambulus pennanti: a histochemical study. Rana SV. **Acta Histochem (Jena)** 54(2):290–4, 1975

Regulation of energy metabolism in liver mitochondria from hibernating ground squirrels. Reynafarje B, et al. **Arch Inst Biol Andina** 5(2):97–105, Jul–Dec 72

Hepatozoon griseisciuri infection in gray squirrels of the southeastern United States. Davidson WR, et al. **J Wildl Dis** 12(1):72–6, Jan 76

Editorial: Rodent rabies. Von Reyn CF. **JAMA** 235(22):2423, 31 May 76

Susceptibility of the Indian squirrel to foot-and-mouth disease virus. Tewari SC, et al. **Vet Rec** 99(4):71–2, 24 Jul 76

ANATOMY & HISTOLOGY

A light and electron microscopic study of the pineal gland of the ground squirrel, Citellus tridecemlineatus. Povlishock JT, et al. **Am J Anat** 143(4):465–84, Aug 75

Microblebs of intestinal epithelial cell microvilli of Citellus tridecemlineatus. Doughterty WJ. **Anat Rec** 185(1):77–83, May 76

The photoreceptors of diurnal squirrels: outer segment structure, disc shedding, and protein renewal. Anderson DH, et al. **J Ultrastruct Res** 55(1):119–41, Apr 76

[Seasonal morphological peculiarities of the structure of the adrenal cortex in ground squirrels (Citellus erythrogenys)] Lutsenko ND, et al. **Arkh Anat Gistol Embriol** 69(8):67–72, Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD

Hematologic values for free-ranging urban gray squirrels (Sciurus c carolinensis). Hoff GL, et al. **Am J Vet Res** 37(1):99–101, Jan 76

METABOLISM

Regulation of energy metabolism in liver mitochondria from hibernating ground squirrels. Reynafarje B, et al. **Arch Inst Biol Andina** 5(2):97–105, Jul–Dec 72

Seasonal changes in plasma proteins and lipids in the belding ground squirrel (Spermophilus beldingi beldingi). Huang SN, et al. **Comp Biochem Physiol [A]** 54(2):239–43, 1976

Responses of whole-animal and isolated hearts of ground squirrels, Citellus lateralis to melatonin. Palmer DL, et al. **Comp Biochem Physiol [C]** 53(2):69–72, 1976

Monoamine oxidase activity in the brown fat of the ground squirrel–influence of season, arousal from hibernation and the adrenal cortex. Petrović VM, et al. **Comp Biochem Physiol [C]** 51(1):101–3, 1 Jun 75

Adrenocortical control of phenylethanolamine-N-methyl transferase and monoamine oxidase activity in the ground squirrel (Citellus citellus) during the summer. Petrović VM, et al. **Gen Comp Endocrinol** 29(4):492–7, Aug 76

Comparative thermoregulatory capabilities of neonatal ground squirrels. Maxwell CS, et al. **J Mammal** 56(4):821–8, Nov 75

MICROBIOLOGY

Preliminary studies on an unusual poxvirus of the western grey squirrel (Sciurus griseus griseus) of North America. Regnery RL. **Intervirology** 5(6):364–6, 1975

A microbiologic study of the urban gray squirrel. White FH, et al. **J Am Vet Med Assoc** 167(7):603–4, 1 Oct 75

Public health and the urban gray squirrel: mycology. Lewis E, et al. **J Wildl Dis** 11(4):502–4, Oct 75

PARASITOLOGY

A correction in the literature on cestodes from Sciurus carolinensis. Olexik WA. **J Parasitol** 62(1):62, Feb 76

[Description of two new species of the genus Orientostrongylus Durette-Desset, 1971 (Nematoda, Heligmosomidae) from a Tupaïnae and a Petauristinae in Malaysia (author's transl)] Durette-Desset MC, et al. **Ann Parasitol Hum Comp** 49(6):669–75, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Inhibition of the CNA trigger process for arousal from hibernation. Beckman AL, et al. **Am J Physiol** 230(4):1018–25, Apr 76

Thyroid function in a hibernator, Spermophilus tridecemlineatus. Hulbert AJ, et al. **Am J Physiol** 230(5):1211–6, May 76

Resting metabolic rate in pangolins (Pholidota) and squirrels of the equatorial rain forest. Hildwein G. **Arch Sci Physiol (Paris)** 28(2):183–95, 1974

Patterns of hibernation in the arctic ground squirrel. Morrison P, et al. **Can J Zool** 53(9):1345–55, Sep 75

Comparative hypoxic tolerance in the Sciuridae. Faleschini RJ, et al. **Comp Biochem Physiol [A]** 52(1):217–21, 1 Sep 75

Body temperatures and heart rates of laboratory rats and Belding squirrels (Spermophilus beldingi) during behavioral thermoregulation. Morhardt JE, et al. **Comp Biochem Physiol [A]** 52(4):701–5, 1 Dec 75

Circannual rhythmicity in a non-hibernating ground squirrel, Citellus leucurus. Pengelley ET, et al. **Comp Biochem Physiol [A]** 54(2):233–7, 1976

Induction of summer hibernation in the 13-lined ground squirrel shown by comparative serum transfusions from arctic mammals. Spurrier WA, et al. **Cryobiology** 13(3):368–74, Jun 76

Circadian activity of the red squirrel, Tamiasciurus hudsonicus, in continuous darkness and continuous illumination. Kramm KR. **Int J Biometeorol** 19(4):232–45, Dec 75

Blood pressure responses as an indicator of the anesthetic level in ground squirrels. Gur M, et al. **J Appl Physiol** 40(6):977–81, Jun 76

Response to nest boxes and reproduction by Glaucomys volans in northern Louisiana. Goertz JW, et al. **J Mammal** 56(4):933–9, Nov 75

Proceedings: The visual pigments of the grey squirrel, Sciurus carolinensis leucotis. Loew ER. **J Physiol (Lond)** 251(1):47P–49P, Sep 75

Proceedings: Grey squirrel dichromatic colour vision shown by flicker photometry. Silver PH. **J Physiol (Lond)** 251(1):47P, Sep 75

Wavelength discrimination in gray squirrels. Jacobs GH. **Vision Res** 16(3):325–7, 1976

[Responses of squirrel visual cortex neurons to patterned visual stimuli] Supin AIa. **Neirofiziologiia** 7(2):134–40, 1975 **(Rus)**

[Organization of the receptive fields of the superior colliculus neurons of the squirrel Sciurus vulgaris] Mass AM. **Zh Evol Biokhim Fiziol** 12(3):272–9, May–Jun 76 (Eng. Abstr.) **(Rus)**

SRS-A

Passive sensitization of guinea-pig skin in vitro for the antigen-induced release of anaphylactic mediators. Jones DG, et al. **Clin Exp Immunol** 16(2):213–22, Feb 74

ANALYSIS

Separation of slow reacting substance of anaphylaxis (SRS-A) from human lung into four biologically active fractions. Takahashi H, et al. **J Immunol** 117(3):1039–44, Sep 76

ANTAGONISTS & INHIBITORS

Tissue inactivation of slow reacting substance of anaphylaxis. Kay AB, et al. **Immunology** 30(1):83–7, Jan 76

The immunological release of chemical mediators from human lung: approaches to pharmacological antagonism. pp. 223–35. Orange RP. **In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8.** (69 ref.)

Arylsulfatase B of human lung. Isolation, characterization, and interaction with slow-reacting substance of anaphylaxis. Wasserman SI, et al. **J Clin Invest** 57(3):738–44, Mar 76

BIOSYNTHESIS

Generation and release of chemical mediators of immediate hypersensitivity. pp. 61–71. Austen KF, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.**

The formation and release of slow reacting substance of anaphylaxis in human lung tissues. pp. 29–39. Orange RP. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

IMMUNOLOGY

Modulation of the release of SRS-A from bovine lung in vitro by several autonomic and autacoid agents. Burka JF, et al. **Int Arch Allergy Appl Immunol** 50(6):664–73, 1976

The effect of thiols on immunologic release of slow reacting substance of anaphylaxis. I. Human lung. Orange RP, et al. **J Immunol** 115(4):1072–7, Oct 75

METABOLISM

Passive sensitization of guinea-pig skin in vitro for the antigen-induced release of anaphylactic mediators. Jones DG, et al. **Clin Exp Immunol** 16(2):213–22, Feb 74

Modulation of the formation and release of bovine SRS-A in vitro by several anti-anaphylactic drugs. Burka JF, et al. **Int Arch Allergy Appl Immunol** 49(6):774–81, 1975

Release of slow reacting substance of anaphylaxis (SRS-A) from human leukocytes by the calcium ionophore A23187. Conroy MC, et al. **J Immunol** 116(6):1677–81, Jun 76

Prostaglandin, slow-reacting substance, and histamine release from anaphylactic guinea-pig hearts, and its pharmacological modification. Liebig R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(1):65–76, 18 Jun 75

PHYSIOLOGY

[Mediators of the allergic reaction. Slow reacting substance (SRS-A)] Naranjo P. **Allergol Immunopathol (Madr)** 3(4):239–54, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

SECRETION

The effect of thiols on the immunologic release of slow reacting substance of anaphylaxis. II. Other in vitro and in vivo models. Orange RP, et al. **J Immunol** 116(2):392–7, Feb 76

IgE-mediated histamine and SRS-A release from respiratory cells and peripheral blood leukocytes of rhesus monkeys. Patterson R, et al. **J Lab Clin Med** 87(6):1016–24, Jun 76

Chemical mediators of anaphylaxis (histamine, 5-HT, and SRS-A) released from horse lung and leukocytes in vitro. Burka JF, et al. **Res Commun Chem Pathol Pharmacol** 13(3):379–88, Mar 76

STABLE FACTOR see **FACTOR VII**

STACHYBOTRYS see under **MONILIALES**

STAINLESS STEEL

Skeletal fixation by metal fiber coating of the implant. Ducheyne P, et al. **Acta Orthop Belg** 40(5–6):799–805, 1974

A comparative study of some dental cements used in orthodontics. Sadowsky PL, et al. **Angle Orthod** 46(2):171–81, Apr 76

Peristernal closure of median sternotomy using stainless steel bands. Kalush SL, et al. **Ann Thorac Surg** 21(2):172–3, Feb 76

Silane coupling agents in stainless steel and polymethyl methacrylate systems. Faulkner KD, et al. **Aust Dent J** 20(2):86–8, Apr 75

Reason and remedy for conflicting reports on comparative effects of steel scalpel and electrosurgical cutting on gingival tissues and alveolar bone. Oringer MJ. **J Am Dent Assoc** 92(5):850–1, May 76

Preliminary study of a new metallic device for internal fixation following osteotomy. Ocker GA, et al. **J Am Podiatry Assoc** 65(8):765–73, Aug 75

The Osteoclasp. A constant compression device for internal stainless steel fixation of bone. Scherer PR, et al. **J Am Podiatry Assoc** 65(8):774–88, Aug 75

A simple electrolytic method for cutting small-diameter stainless steel tubing Lewis VA, et al. **J Appl Physiol** 40(2):278–80, Feb 1976

Flame-sprayed alumina on stainless steel for possible prosthetic application. Baldwin CM, et al. **J Biomed Mater Res** 10(3):445–53, May 76

The influences of electrical potential and surface finish on the fatigue life of surgical implant materials. Bapna MS, et al. **J Biomed Mater Res** 9(6):611–21, Nov 75

The concept of protection potential applied to the corrosion of metallic orthopedic implants. Cahoon JR, et al. **J Biomed Mater Res** 9(3):259–64, May 75

A failed vitallium/stainless steel total hip replacement: a case report with histological and metallurgical examination. Gruen TA, et al. **J Biomed Mater Res** 9(5):465–77, Sep 75

Evaluation of a metal-ceramic composite hip prosthesis. Hulbert SF, et al. **J Biomed Mater Res** 9(4):189–98, Jul 75

Biocompatibility studies on surgical-grade titanium-, cobalt-, and iron-base alloys. Lemons JE, et al. **J Biomed Mater Res** 10(4):549–53, Jul 76

Protection from stress in bone and its effects. Experiments with stainless steel and plastic plates in dogs. Tonino AJ, et al. **J Bone Joint Surg [Br]** 58(1):107–13, Feb 76

A comparison between stainless steel crowns and multisurface amalgams in primary molars. Braff MH. **J Dent Child** 42(6):474–8, Nov–Dec 75

A clinical study of the response of the gingival tissue surrounding stainless steel crowns. Myers DR. **J Dent Child** 42(4):281–4, Jul–Aug 75

Comments on stiffness measurements for orthodontic wires. Brantley WA. **J Dent Res** 55(4):705, Jul–Aug 76

Comparison of stainless steel and composite plates in the healing of diaphyseal osteotomies of the dog radius: report on a short term study. Coutts RE, et al. **Orthop Clin North Am** 7(1):223–9, Jan 76

Iris sutures for artificial lens fixation—perlon vs stainless steel. Worst JG. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP102–4, Jan–Feb 76

[Slip casting of stainless steel powder (author's transl)] Okawa S, et al. **J Jpn Soc Dent Appar Mater** 17(37):51–8, Jan 76 (Eng. Abstr.) **(Jpn)**

[Steel dental prostheses made with microplasma soldering] Danchenko AN. **Stomatologiia (Mosk)** 54(4):102–3, Jul–Aug 75 *** (Rus)**

STAINS AND STAINING

see related
DYES

Letter: Cytoplasmic staining of pituitary adenoma cells with the papanicolaou stain. Wertlake PT. **Acta Cytol (Baltimore)** 19(5):404, Sep–Oct 75

Keratinized cells as a possible yellow-stain receptor for gold-orange. Höglund A. **Acta Derm Venereol (Stockh)** 56(1):51–4, 1976

Leucocyte morphology and chromosome morphology. Dallapiccola B, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):83–95, 1975

Influence of carbonates and other salts in tissues on the Schiff's reagent. Azariah J, et al. **Acta Histochem (Jena)** 53(2):241–3, 1975

Studies on metachromasia. III. Toluidine blue-substrate interaction and metachromasia. Azariah J, et al. **Acta Histochem (Jena)** 53(2):182–91, 1975

Selective staining of animal chromosomes with synthetic dyes following iodine-dye-procedure. Dutt MK. **Acta Histochem (Jena)** 53(2):211–6, 1975

Porosity and surface area of anionic resins: limitations in the employment of model substrates for the colloidal iron reaction. Geyer G, et al. **Acta Histochem (Jena)** 54(1):42–7, 1975

Effects on staining of the presence of various kinds of dye impurities. Horobin R. **Acta Histochem (Jena)** SUPPL 13:269–79, 1973

PAS reaction performed on semithin epon sections following removal of the resin by NaOH in absolute ethanol. Litwin JA, et al. **Acta Histochem (Jena)** 55(1):98–103, 1976

Proceedings: A method for demonstrating nerve fibers into preparations. Baljet B. **Acta Morphol Neerl Scand** 14(1):80, Feb 76

Proceedings: Leucomethylene blue (Panatone) as an aid to identify nerves at operations. Gortvai P. **Acta Neurochir (Wien)** 31(3–4):269–70, 1975

Quantification of the inhibitory effect of eriochrome black and sodium nitrite on non-specific immunofluorescent staining. Karlsson KA, et al. **Acta Pathol Microbiol Scand [B]** 83(5):482–90, Oct 75

Effects of metrizamide on silver staining of aortic endothelium. A comparison with metrizoate media in rats. Almén T, et al. **Acta Radiol [Suppl] (Stockh)** (335):233–8, 1973

Functional implications of differential chromosome banding. Hoehn H. **Am J Hum Genet** 27(5):676–86, Sep 75

Letter: R banding. Mark HF, et al. **Am J Hum Genet** 28(2):191–2, Mar 76

Letter: R banding. Stoll C. **Am J Hum Genet** 27(5):687–9, Sep 75

Technical procedures and staining methods for renal needle biopsies. Sugulas M. **Am J Med Technol** 42(6):220–224, Jun 76

Methenamine-silver-stained corneal scrapings in keratomycosis. Forster RK, et al. **Am J Ophthalmol** 82(2):261–5, Aug 76

A more reliable gram staining technic for diagnosis of surgical infections. Magee CM, et al. **Am J Surg** 130(3):341–6, Sep 75

Evaluation of bovine spermatozoal morphologic features after staining or fixation. Harasymowycz J, et al. **Am J Vet Res** 37(9):1053–7, Sep 76

A new stain for copper-protein complexes: its use with crustacean hemocyanins. Gould E, et al. **Anal Biochem** 67(2):515–9, Aug 75

Developments in laboratory diagnosis of chromosomal abnormalities. Frias JL. **Ann Clin Lab Sci** 5(5):369–76, Sep–Oct 75

Staining of minerals and solubility of iron in tissues. Klavins JV, et al. **Ann Clin Lab Sci** 6(3):214–22, May–Jun 76

Experience with a new fluorochrome. Rothbarth PH, et al. **Ann NY Acad Sci** 254:65, 30 Jun 75

Optical studies of metaphase chromosome organization. Latt SA. **Annu Rev Biophys Bioeng** 5:1–37, 1976 (398 ref.)

Recording site in organ of Corti determined by electrode marking technique. Bobbin RP. **Arch Otolaryngol** 102(1):45–8, Jan 76

Progressive combined amyloid-elastic stain. Leung P, et al. **Arch Pathol** 99(11):618–20, Nov 75

Luxol Fast Blue MBSN–Levafix Red Violet E-2BL. A combined stain for myelin sheaths and glia fibers. Waldrop FS, et al. **Arch Pathol** 99(10):529–32, Oct 75

A histological stain for detecting Friend leukemic cells in fixed hemopoietic tissue. Levy SB. **Arch Pathol Lab Med** 100(9):463–4, Sep 76

Stains for six enzymes potentially applicable to chromosomal assignment by cell hybridization. Anderson JE, et al. **Birth Defects** 11(3):295–9, 1975

Mechanisms of chromosome banding. Comings DE. **Birth Defects** 11(5):171–5, 1975

Combine HRP and Fink-Heimer staining applied on the gracil nucleus in the cat. Blomqvist A, et al. **Brain Res** 99(2):339–42, 5 Dec 75

Localizing -SH groups in monoaminergic synaptic vesicles with the mixture of zinc iodide-osmium tetroxide (ZIO). de Iraldi AP. **Brain Res** 94(3):363–7, 5 Sep 75

A preliminary report on cobalt sulphide staining of locust visual interneurons through extracellular ellectrodes. Kien J. **Brain Res** 109(1):158–64, 4 Jun 76

Silver tipped metal microelectrodes: a new method for recording and staining single neurones. Spinelli DN. **Brain Res** 91(2):271–5, 27 Jun 75

Dendro-dendritic contacts between frog motoneurons shown with the cobalt labeling technique. Székely G, et al. **Brain Res** 108(1):194–8, 21 May 76

Early myocardial ischaemia: evaluation of the histochemical haematoxylin–basic fuchsin–picric acid (HBFP) staining technique. Van Reempts J, et al. **Cardiovasc Res** 10(2):262–7, Mar 76

A comparison of aldehyde fuchsin and alcian blue staining of neurosecretory material in Oncopeltus fasciatus. Mahon DC, et al. **Cell Tissue Res** 161(4):477–84, 27 Aug 75

The value of the Nile Blue Sulphate test in estimating fetal maturity. Grizic AM. **Cent Afr J Med** 22(4):60–3, Apr 76

Mechanisms of chromosome banding. VII. Interaction of methylene blue with DNA and chromatin. Comings DE, et al. **Chromosoma** 51(4):365–79, 11 Aug 75

Sister chromatid exchange and chromosome organization based on a bromodeoxyuridine Giemsa–C-banding technique (TC-banding). Holmquist GP, et al. **Chromosoma** 52(3):245–59, 14 Oct 75

Labelling of DNA and differential sister chromatid staining after BrdU treatment in vivo. Pera F, et al. **Chromosoma** 57(1):13–8, 4 Aug 76

Description of the banding patterns of human chromosomes by acriding orange reverse banding (RFA) and comparison with the Paris banding diagram. Verma RS, et al. **Clin Genet** 9(6):553–7, Jun 76

Freeze-fixation at high subzero temperatures. MacKenzie AP, et al. **Cryobiology** 12(4):427–39, Aug 75

Stains for six enzymes potentially applicable to chromosomal assignment by cell hybridization. Anderson JE, et al. **Cytogenet Cell Genet** 14(3–6):465–9, 1975

Feulgen type staining of deoxyribonucleic acid with janus colours. Dutt MK. **Cytologia (Tokyo)** 40(1):205–11, Mar 75 (Eng. Abstr.)

Is rectal carcinoid argyrophilic? Application of Grimelius' silver nitrate stain in four cases. Hosoda S, et al. **Dis Colon Rectum** 18(5):386–90, Jul–Aug 75

Reverse banding of Japanese quail microchromosomes. Comings DE, et al. **Exp Cell Res** 99(1):183–5, Apr 76

Cell cycle analysis in asynchronous cultures using the BUdR–Hoechst technique. Craig-Holmes AP, et al. **Exp Cell Res** 99(1):79–87, Apr 76

Ethidium bromide counterstain for differentiation of quinacrine stained interphase bodies and brilliant metaphase bands. Hollander DH, et al. **Exp Cell Res** 99(1):174–5, Apr 76

Acridine orange binding to chromatin of individual cells and nuclei under different staining conditions. I. Binding capacity of chromatin. Liedeman R, et al. **Exp Cell Res** 101(1):164–74, Aug 76

Acridine orange binding to chromatin of individual cells and nuclei under different staining conditions. Thermadenaturation of Chromatin. Liedeman R, et al. **Exp Cell Res** 101(1):175–83, Aug 76

Mechanism of differential staining of BUdR–substituted Vicia faba chromosomes. Scheid W. **Exp Cell Res** 101(1):55–8, Aug 76

Acid hydrolysis and UV-Feulgen staining of DNA-aldehyde. Dutt MK. **Experientia** 31(9):1110–1, 15 SEP 75

Formaldehyde–Schiff's reagent as a nucleolar strain. Ghosh S. **Experientia** 32(5):673–4, 15 May 76

Use of the banding technique in analysis of the human karyotype in Hippel–Lindau disease. Chrzanowska-Srzednicka K, et al. **Folia Biol (Krakow)** 23(3):279–81, 1975

Proceedings: Gram stain on the bile aspirated at operation: a rational approach to antibiotic therapy in biliary disease. Bishop HM, et al. **Gut** 16(10):841, Oct 75

Automatic gram-staining with the microstainer II. Burdash NM, et al. **Health Lab Sci** 13(1):20–2, Jan 76

Identification of the 1/29-translocation in the Swedish Red and White (SRB) cattle breed by utilization of new staining techniques. Gustavsson I, et al. **Hereditas** 82(2):260–2, 14 Jun 76

Alkaline lead citrate: a selective stain for glutaraldehyde precipitates of indolamines and primary catecholamines in electron microscopy. Böck P, et al. **Histochemistry** 47(1):59–62, 21 Apr 76

The interaction of apurinic acid aldehyde groups with pararosaniline in the Feulgen–Schiff and related staining procedures. Duijndam WA, et al. **Histochemistry** 44(1):67–85, 16 Jul 75

Aldehyde bisulfite–toluidine blue (ABT) staining as a topo-optical reaction for demonstration of linear order of vicinal OH groups in biological structures. Romhányi G, et al. **Histochemistry** 43(4):333–48, 9 Jun 75

Uranyl-EDTA-hematoxylin: a new selective staining technique for nucleolar material. Stockert JC. **Histochemistry** 43(4):313–22, 9 Jun 75

Factors affecting the estimation of the relative amount of chromophore and chromophore area by the two-wavelength method of Patau and Ornstein. Van Oostveldt P, et al. **Histochemistry** 47(2):111–24, 28 May 76

Banding of human chromosomes with basic fuchsin. Scheres JM, et al. **Hum Genet** 32(2):155–69, 19 May 76

CT banding of human chromosomes. The role of cations in the alkaline pretreatment. Scheres JM. **Hum Genet** 33(2):167–74, 27 Jul 76

Late replicating bands of human chromosomes demonstrated by fluorochrome and Giemsa staining. Grzeschik KH, et al. **Humangenetik** 29(1):41–59, 29 Aug 75

The human complement after trypsin pretreatment as compared to the Paris standard. Ray M, et al. **Humangenetik** 29(1):29–34, 29 Aug 75

Relative DNA content of human euchromatin and heterochromatin after G, C and Giemsa 11 banding. Schmiady H, et al. **Humangenetik** 29(1):85–9, 29 Aug 75

Variation in trypsin banding at different stages of contraction in human chromosomes and the definition, by measurement, of the 'average' karyotype. Seabright M, et al. **Humangenetik** 29(1):35–40, 29 Aug 75

Catodoluminescence properties of frequently used fluorescent stains in vaginal smears. pp. 327–34. Schmidt EH, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Comparative study of various methods used for staining the mast cells. Pathak CL, et al. **Indian J Med Sci** 29(6–7):173–6, Jun–Jul 75

Acid-fast properties and pyridine extraction of M. leprae. Skinsnes OK, et al. **Int J Lepr** 43(4):339–47, Oct–Dec 75

Properties and kinetics of development of Rous sarcoma virus-infected cells evidenced by methylene blue staining. Barlati S, et al. **Intervirology** 6(1):25–31, 1975–1976

The periodic Schiff–methenamine (PASM) staining of renal

biopsies—a light electron microscopic study. Doyle GD, et al. **Ir J Med Sci** 145(4):127–34, Apr 76

Relationship between beet root pigment and uric acid crystals. Kleeberg J. **Isr J Med Sci** 12(1):73–6, Jan 76

Rapid nuclear staining method for Saccharomyces cerevisiae. Slater ML. **J Bacteriol** 126(3):1339–41, Jun 76

Mouse–human heterokaryon analysis with a 33258 Hoechst–Giemsa technique. Moser FG, et al. **J Cell Biol** 66(3):676–80, Sep 75

Lipid staining for the electron microscope: a new method. Wigglesworth VB. **J Cell Sci** 19(3):425–37, Dec 75

An evaluation of some commerical Romanowsky stains. Marshall PN, et al. **J Clin Pathol** 28(8):680–5, Aug 75

Experience with the sodium sulphate–Alcian Blue stain for amyloid in cardiac pathology. Pomerance A, et al. **J Clin Pathol** 29(1):22–6, Jan 76

Evaluation of a new technique for the demonstration of gonococci and other micro-organisms in host cells. Sowter C, et al. **J Clin Pathol** 29(5):433–7, May 76

G-band identification of the chromosomes of sheep. Ponce de León FA, et al. **J Hered** 66(4):221–6, Jul–Aug 75

Letters to the editor: Chelated bismuth as a stain in electron microscopy. Barrett JM, et al. **J Histochem Cytochem** 23(10):780–3, Oct 75

Fluorescent reagent for the periodic acid–Schiff and Feulgen reaction for cytochemical studies. Cottell DC, et al. **J Histochem Cytochem** 24(8):956–8, Aug 76

Autoradiography and immunohistoperoxidase techniques applied to the same tissue section. van Rooijen N, et al. **J Immunol Methods** 10(4):379–83, 1976

Herpes gestationis. Ultrastructure and ultrastructural localization of in vivo-bound complement. Yaoita H, et al. **J Invest Dermatol** 66(6):383–8, Jun 76

Simultaneous G and C banding of human chromosomes. de la Maza LM, et al. **J Med Genet** 13(3):235–6, Jun 76

Some chemical principles applicable to some silver and gold staining methods for neuropathological studies. Feigin I, et al. **J Neuropathol Exp Neurol** 35(5):495–507, Sep–Oct 76

Lanthanum staining of cell surface and junctional complexes in normal and malignant human oral mucosa. Palekar MS, et al. **J Oral Pathol** 4(5):231–43, Nov 75

Letter: Indications for chromosome analysis: Effect of new banding techniques. Peakman DC, et al. **J Pediatr** 88(1):166–7, Jan 76

Proceedings: A paraffin Nauta method for staining degeneration in cephalopod C.N.S. Messenger JB. **J Physiol (Lond)** 259(1):18P–20P, Jul 76

Preservation of differential staining of spermatozoa by formol citrate. Dott HM, et al. **J Reprod Fertil** 45(1):57–60, Oct 75

Chromosome structure and chromosome banding. Comings DE. **J Reprod Med** 17(1):19–20, Jul 76

Chromosome banding techniques. Pathak S. **J Reprod Med** 17(1):25–8, Jul 76

Letter: Iron stain in decalcified marrow. Bark CJ. **JAMA** 231(1):25, 6 Jan 75

Letter: Cd banding of human chromosomes observed in the C-banding procedure. Abe T, et al. **Lancet** 2(7942):981, 15 Nov 75

Letter: G-banding with heat treatment. Birner R, et al. **Lancet** 2(7946):1217, 13 Dec 75

Relative effectiveness of various solvents for oil red O. Feldman AT, et al. **Med Lab Technol** 31(4):335–41, Oct 74

A rapid, reliable modification of Mallory's phosphotungstic acid haematoxylin (PTAH) method for astrocytes using Susa fixative as a mordant. Mitchell BS. **Med Lab Technol** 32(4):331–3, Oct 75

A simple method for demonstration of osteoid in paraffin sections. Rálliš ZA, et al. **Med Lab Technol** 32(3):203–13, Jul 75

A simplified Prussian blue technique. Taggart M. **Med Lab Technol** 32(4):335–7, Oct 75

The identification of saliva in stains in forensic casework. Baxter SJ, et al. **Med Sci Law** 15(1):37–41, Jan 75

Staining of RNA after polyacrylamide gel electrophoresis. Marcinka K. **Methods Cell Biol** 10:49–68, 1975

A rapid and simplified staining of juxtaglomerular granules with aqueous crystal violet. Harada K. **Microsc Acta** 77(4):354–7, Nov 75

Staining mycobacteria with carbolfuchsin: properties of solutions prepared with different samples of basic fuchsin. Harada K, et al. **Microsc Acta** 78(1):21–7, Mar 76

Banding technique used for the detection of chromosomal aberrations induced by radiation and alkylating agents TEPA and epichlorohydrin. Kučerová M, et al. **Mutat Res** 34(2):279–90, Feb 76

Letter: Dark-ground microscopy of stained leptospires. Fowler GF. **NZ Vet J** 24(1–2):24, Jan–Feb 76

Rose bengal staining of epibulbar squamous neoplasms. Wilson FM 2d. **Ophthalmic Surg** 7(2):21–3, Summer 76

The Feulgen–DNA content in human individual metaphasic chromosomes. Manfredi Romanini G, et al. **Riv Istochim Norm Patol** 18(1–4):29–36, 1974

Some comments on the Kohn staining technique of lipoproteins after electrophoresis on cellulose acetate. Ericson C, et al. **Scand J Clin Lab Invest** 35(5):479–80, Sep 75

Tracing axons and axon collaterals of spinal neurons using intracellular injection of horseradish peroxidase. Snow PJ, et al. **Science** 191(4224):312–3, 23 Jan 76

Studies in gram staining. Adams E. **Stain Technol** 50(4):227–31, Jul 75

A method for the preparation of serial thick sections of plastic-embedded plant tissues. Ameele RJ. **Stain Technol** 51(1):17–24, Jan 76

A combined silver and acetylcholinesterase method for staining intramuscular innervation. Beerman DH, et al. **Stain Technol** 51(3):173–7, May 76

Science and art in preparing tissues embedded in plastic for light microscopy, with special reference to glycol methacrylate, glass knives and simple stains. Bennett HS, et al. **Stain Technol** 51(2):71–97, Mar 76

The staining of Brunner's gland and other neutral mucins by carmine, hematoxylin and orcein in alkaline solutions. Berger C, et al. **Stain Technol** 50(6):383–6, Nov 75

Masking of pleomorphic glycogen sites by methanolic uranyl acetate. Bhatnagar R, et al. **Stain Technol** 50(4):213–7, Jul 75

Fixing and staining of conifer tissues with lacto–propiono–dimethylsulfoxide carmine. Bonga JM, et al. **Stain Technol** 51(3):197–9, May 76

Elimination of precipitates in oil red O fat stain by adding dextrin. Catalano RA, et al. **Stain Technol** 50(5):297–9, Sep 75

A consistent phosphotungstic acid hematoxylin stain for glial fibers. Clark G, et al. **Stain Technol** 51(4):227–9, Jul 76

The use of tannic acid–glutaraldehyde in the study of elastic and elastic-related fibers. Cotta-Pereira G, et al. **Stain Technol** 51(1):7–11, Jan 76

Influence of light and mounting medium on the fading of Feulgen stain. Dewse CD, et al. **Stain Technol** 50(5):301–6, Sep 75

New source for positive controls used for the identification of spirochaetes in tissue sections. Elias JM, et al. **Stain Technol** 51(1):55–7, Jan 76

Evaluation of six fluorescent protein stains for use in flow microfluorometry. Freeman DA, et al. **Stain Technol** 50(4):279–84, Jul 75

Vanillin–hydrochloric acid as a histochemical test for tannin. Gardner RO. **Stain Technol** 50(5):315–7, Sep 75

A rapid whole-mount staining procedure for Ascaris embryo chromosomes. Goldstein P, et al. **Stain Technol** 50(5):362–3, Sep 75

Anilin blue and silver nitrate for staining developing insect nerve tissue. Gundersen RW, et al. **Stain Technol** 51(3):206–8, May 76

The use of an optical brightener in the study of plant structure. Hughes J, et al. **Stain Technol** 50(5):319–29, Sep 75

An improved polychrome staining method for thick epoxy sections. Jha RK. **Stain Technol** 51(3):159–62, May 76

A modified C-band technic for staining of diffuse diplotene chromosomes. Klášterská I, et al. **Stain Technol** 51(3):209–11, May 76

Hematoxylin substitutes: a survey of mordant dyes tested and consideration of the relation of their structure to performance as nuclear stains. Lillie RD, et al. **Stain Technol** 51(1):25–41, Jan 76

Iron and aluminum lakes of Gallo blue E as nuclear and metachromatic mucin stains. Lillie RD, et al. **Stain Technol** 51(3):187–92, May 76

Identification of functional tumor vessels by resorcin–crystal violet stain infusion. Liotta L, et al. **Stain Technol** 51(2):99–102, Mar 76

Thin layer chromatography of certain preformed metal complex dyes used in biological staining. Marshall PN, et al. **Stain Technol** 50(4):271–7, Jul 75

A glutaraldehyde/potassium dichromate tracing method for the localization and preservation of abdominal extra-adrenal chromaffin tissues. Mascorro JA, et al. **Stain Technol** 50(6):391–6, Nov 75

Mahon's myelin stain for celloidin-embedded nervous tissue. Metz C. **Stain Technol** 51(1):59–61, Jan 76

Poststaining sections for electron microscopy: an alternate procedure. Mollenhauer HH. **Stain Technol** 50(4):292, Jul 75

A method for staining infection hyphae in pine leaves. Nair J. **Stain Technol** 51(1):47–9, Jan 76

Freezing in the preparation of cleared plant material. Parker KJ. **Stain Technol** 51(1):61–2, Jan 76

The use of the Fink–Heimer II technique to stain degenerating peripheral nerve fibers. Pearl GS, et al. **Stain Technol** 50(5):363–4, Sep 75

A Golgi–electron microscope method for insect nervous tissue. Ribi WA. **Stain Technol** 51(1):13–6, Jan 76

Hydroxyethyl lactamide, a dye solvent useful in vital staining. Risso-Dominguez CJ. **Stain Technol** 51(2):115–7, Mar 76

Staining of cleavage cells in yolk rich eggs of Acheta domesticus (Orthoptera) with toluidine blue and pyronin B. Schwalm FE. **Stain Technol** 50(5):360–1, Sep 75

Improved microradiographic contrast for bone stain–historadiography. Simmons DJ, et al. **Stain Technol** 51(3):153–7, May 76

A hybrid technique for staining meiotic nuclei of Basidiomycetes. Sundberg WJ. **Stain Technol** 51(2):103–5, Mar 76

A simple staining method for the analysis of meiotic metaphase II divisions in the male mouse. Szemere G, et al. **Stain Technol** 51(1):64–6, Jan 76

A rapid method for demonstrating skeletal muscle motor innervation in frozen sections. Toop J. **Stain Technol** 51(1):1–6, Jan 76

On the chemical basis of chromosome banding patterns. Tsou KC, et al. **Stain Technol** 50(5):293–5, Sep 75

Staining of keratin and keratohyalin with the reactive dye levafix red violet E-2BL. Waldrop FS, et al. **Stain Technol** 51(4):219–25, Jul 76

Improved staining procedures for semithin epoxy sections of plant tissues. Warmke HE, et al. **Stain Technol** 51(3):179–85, May 76

A procedure for differential staining of cartilage and bone in whole formalin-fixed vertebrates. Wassersug RJ. **Stain Technol** 51(2):131–4, Mar 76

Staining method for whole-body autoradiography. Watanabe M, et al. **Stain Technol** 50(4):239–43, Jul 75

Negative staining of rat tail tendon collagen fibrils with uranyl formate. Knight DP. **Tissue Cell** 7(4):651–4, 1975

Folded retinas in rat fetuses: artifacts produced by fixation in alcohol. Szczech GM, et al. **Toxicol Appl Pharmacol** 35(2):347–54, Feb 76

The place of intra-arterial methylene blue vital stain and histochemistry of acetylcholinesterase in experimental neurology and psychiatry. Fukuda T. **Trab Inst Cajal Invest Biol** 63:169–87, 1971

Notes on the Ziehl–Neelsen staining of sputum. Marks J. **Tubercle** 55(3):241–4, Sep 74

Metachromasia and improved histologic detail with toluidine blue–hematoxylin and eosin. Conroy JD, et al. **Vet Pathol** 13(1):78–80, 1976

Letter: A rapid stain for vaginal smears. Logue DN, et al. **Vet Rec** 98(25):512, 19 Jun 76

[Trichromic staining of semi-fine skin sections] Michel C, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):429–30, 1975 **(Fre)**

[Microbiology of leprosy. Behavior and staining affinities of Hansen's bacillus in leprous lesions] Delville J. **Ann Soc Belg Med Trop** 54(6):457–62, 1974 (Eng. Abstr.) **(Fre)**

[Acid mucopolysaccharide detection on ultra-thin sections by alcian blue in dental tissues embedded in Epon] Goldberg M, et al. **J Biol Buccale** 4(2):155–64, Jun 76 (Eng. Abstr.) **(Fre)**

[Antenatal diagnosis of fetal sex by examination of free cells in the amniotic fluid stained by the Papanicolaou method] Dargent D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(1):61–4, Jan–Feb 74 (Eng. Abstr.) **(Fre)**

[A combined calcium—fat staining with determination of vessel wall permeability] Dadak C, et al. **Acta Anat (Basel)** 94(1):155–60, 1976 (Eng. Abstr.) **(Ger)**

[Metachromatic reactions in vitro; influence of inorganic and organic acids] Funk E, et al. **Acta Histochem (Jena)** SUPPL 13:331–43, 1973 **(Ger)**

[Dyes and dye problems of histologists and histochemists] Goslar HG. **Acta Histochem (Jena)** SUPPL 13:251–3, 1973 **(Ger)**

[Influence of inorganic and organic salts on binding of polysaccharides with thiazine dyes] Mehler D, et al. **Acta Histochem (Jena)** SUPPL 13:345–62, 1973 **(Ger)**

[Dye configuration and its influence on staining] Puchtler H. **Acta Histochem (Jena)** SUPPL 13:255–9, 1973 **(Ger)**

[Effect of nucleic acids on the metachromatic reaction] Toepfer K. **Acta Histochem (Jena)** SUPPL 13:363–91, 1973 **(Ger)**

[Purification of a dye, demonstrated with acridine orange as an example] Zanker V. **Acta Histochem (Jena)** SUPPL 13:281–9, 1973 **(Ger)**

[Discovery of staining tuberculosis bacilli] Schadewaldt H. **Dtsch Med Wochenschr** 100(40):2055–7, 3 Oct 75 **(Ger)**

[Histochemical demonstration of pancreatic B-cells by means of the colloidal iron (Hale) reaction (author's transl)] Klessen C. **Histochemistry** 45(3):203–12, 8 Dec 75 (Eng. Abstr.) **(Ger)**

[Myelin sheath staining (author's transl)] Krutsay M. **Zentralbl Allg Pathol** 119(3):170–4, 1975 (Eng. Abstr.) **(Ger)**

[The methylene-blue-reduction-test (MR-test) and the micro-TTC-test for the determination of substances as sole source of carbon in the taxonomy of Pseudomonas species (author's transl)] Schubert RH, et al. **Zentralbl Bakteriol [Orig B]** 160(1):50–9, 1975 (Eng. Abstr.) **(Ger)**

[The cytobacteriological coloring substance BF (methylene blue and basic fuchsin)] Giorgio A, et al. **Ann Sclavo** 17(6):799–802, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Results of the use of a modification of the rapid Golgi method on the central nervous system of vertebrates] Kemali M. **Boll Soc Ital Biol Sper** 52(5):334–7, 15 Mar 76 **(Ita)**

[Stable sudanophilia and labile (lysochronic) sudanophilia in human normal and pathological granulocytes] Perrone G, et al. **Riv Istochim Norm Patol** 18(1–4):37–42, 1974 (Eng. Abstr.) **(Ita)**

[Evidence of acid mucopolysaccharides in semifinal and final sections by means of staining with alcian blue] Ruggeri A, et al. **Riv Istochim Norm Patol** 18(1–4):142–3, 1974 **(Ita)**

[Section staining technique for whole body autoradiographic studies of the mice] Watanabe M, et al. **Acta Anat Nippon** 50(5):250–7, 1 Oct 75 (Eng. Abstr.) **(Jpn)**

[New selective silver impregnation methods for the study of degenerating nerve fibers] Yamadori T. **Acta Anat Nippon** 50(5):262–6, 1 Oct 75 (Eng. Abstr.) **(Jpn)**

[Mechanism of gram staining. II. Phenomena of gram staining of various bacterial species] Nakanishi T, et al. **Jpn J Bacteriol** 30(1):162, Jan 75 **(Jpn)**

[Staining of HB-Ag in the liver tissue by Shigata's method] Moriwaki S, et al. **Jpn J Clin Med** 34(2):414–20, 10 Feb 76 **(Jpn)**

[Fundamental studies on the G-staining procedure of human chromosomes (author's transl)] Abe T, et al. **Jpn J Clin Pathol** 24(2):141–4, Feb 76 **(Jpn)**

[Effect of mercuric chloride on stainability and deformity of histologic tissue specimen fixed with Zenker–formalin solution (author's transl)] Arai S, et al. **Jpn J Clin Pathol** 24(3):250–3, Mar 76 **(Jpn)**

[Fundamentals in the dithizone staining of the human leukocytes (author's transl)] Inutsuka S, et al. **Jpn J Clin Pathol** 23(4):293–6, Apr 75 **(Jpn)**

[On the hematein staining—comparative studies with hematoxylin staining (author's transl)] Kaneko K, et al. **Jpn J Clin Pathol** 23(10):823–5, Oct 75 **(Jpn)**

[A new trial for rapid nuclear satin with gallocyanin (author's transl)] Saito M. **Jpn J Clin Pathol** 23(7):536–40, Jul 75 **(Jpn)**

[Combined staining method of elastic fibre and fat using resorcin fuchsin–oil red O–An application of direct mounting method of gelatinized slide of formalin–fixed cryostat sections (author's transl)] Suzuki H, et al. **Jpn J Clin Pathol** 23(6):463–5, Jun 75 **(Jpn)**

[Staining technic in identification of Mycobacterium tuberculosis] Kudo S. **Kekkaku** 50(11):512–4, Dec 75 **(Jpn)**

[The staining of histological preparations with the use of rywanol (2,5 diamino–7 etoxacridine) in fluorescence microscopy (author's transl)] Grzycki S, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:183–8, 1974 (Eng. Abstr.) **(Pol)**

[Staining of electrophoretic patterns suited for lipoprotein quantification (author's transl)] Badzio T, et al. **Przegl Lek** 33(4):436–9, 1976 (Eng. Abstr.) **(Pol)**

[Peculiarities of the staining of neural tissue with procion yellow] Motorina MV. **Arkh Anat Gistol Embriol** 68(4):96–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Modification of staining histologic sections by van Gieson's method] Semenov AD. **Arkh Anat Gistol Embriol** 69(11):98, Nov 75 **(Rus)**

[Complex application of stains in the histochemical study of proteins] Shubich MG, et al. **Arkh Anat Gistol Embriol** 68(4):52–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Improvement of the method of staining cationic proteins of the lysosomes of polymorphonuclear leukocytes in laboratory animals and man] Pigarevskil VE. **Arkh Patol** 37(4):77–9, 1975 (Eng. Abstr.) **(Rus)**

[2–colored fluorescence of differentially condensed chromosomes stained with acridine orange] Beniush VA, et al. **Biull Eksp Biol Med** 79(4):108–10, Apr 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural analysis of preparations impregnated with silver salts] Khaisman EB, et al. **Biull Eksp Biol Med** 81(1):81–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Correlation of differential staining of a chromosome locus and its genetic activity] Levina LIa. **Dokl Akad Nauk SSSR** 225(2):433–5, 11 Nov 75 **(Rus)**

[Cytochemical study of the substrate responsible for the differential staining of human chromosomes by length] Khachaturov EN, et al. **Izv Akad Nauk SSSR [Biol]** (6):873–80, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Prevention of hypoparathyroidism after thyroidectomy by intravital staining of the parathyroid glands with toluidine blue O] Cherenko MP. **Klin Khir** (7):5–8, Jun 75 (Eng. Abstr.) **(Rus)**

[New staining method of macromolecular complex of the bile] Ivanov AI. **Lab Delo** (1):53, 1976 **(Rus)**

[Method of staining of human cells with acrichinyperite] Kulikov RI, et al. **Lab Delo** (1):14–6, 1976 **(Rus)**

[Morphological tinctorial and biochemical properties of Mycobacteria and Nocardia] Il'ina TB. **Probl Tuberk** (21):64–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Use of colorless active 'dyes' in histochemistry] Barskil VE, et al. **Tsitologiia** 17(8):987–9, Aug 75 **(Rus)**

[Proof of the formation of covalent bonds during staining of histologic preparations with procion dyes] Ivanov VB. **Tsitologiia** 18(2):227–9, Feb 76 (Eng. Abstr.) **(Rus)**

[Conditions of periodic oxidation in the determination of the fluorescent PAS reaction] Kudriavtseva MV, et al. **Tsitologiia** 27(5):533–8, May 75 (Eng. Abstr.) **(Rus)**

[Zinc–iodine–osmium impregnation of giant synaptosomes obtained from the hippocampal formation of the rabbit] Zhuravleva ZN, et al. **Tsitologiia** 27(5):491–4, May 75 (Eng. Abstr.) **(Rus)**

[Differential staining of chromosomes: the phenomenon and the mechanisms] Zakharov AF. **Usp Sovrem Biol** 80(3):335–50, Nov–Dec 75 (119 ref.) **(Rus)**

[In vivo staining with toluidine blue as a means of localization of the biopsy spot in the oral cavity in suspected epithelial cancer] Sigurdson A, et al. **Sven Tandlak Tidskr** 68(4):117–26, 1975 (Eng. Abstr.) **(Swe)**

INSTRUMENTATION

Automated hematoxylin and eosin staining for large volumes of tissue. Werely WA. **Am J Med Technol** 42(8):285–7, Aug 76

Automated single–slide staining device. Wilkins JR, et al. **Appl Microbiol** 30(3):485–8, Sep 75

Apparatus for the staining and destaining of polyacrylamide gels. Aston JW, et al. **Lab Pract** 24(10):671, Oct 75

One–stage extended timing facility and agitation control switch for the B.A.O. 24 station slide staining machine. Alston RL, et al. **Med Lab Sci** 33(1):81–2, Jan 76

Grid staining—a useful device. Baratz RS. **Stain Technol** 51(3):193–5, May 76

[Utensils for the equipment of the staining table] Zikran ZI. **Lab Delo** (11):697, 1975 **(Rus)**

METHODS

Letter: De gustibus non disputandum: an examination of papanicolaou staining. Hollander DH. **Acta Cytol (Baltimore)** 19(5):404–6, Sep–Oct 75

Light microscopic differential staining of epoxy–embedded adenohypophysis. Litwin JA, et al. **Acta Histochem (Jena)** 52(1):17–22, 1975

Localization of hepatitis B surface antigen in conventional paraffin sections of the liver. Comparison of immunofluorescence, immunoperoxidase, and orcein staining methods with regard to their specificity and reliability as antigen marker. Nayak NC, et al. **Am J Pathol** 81(3):479–92, Dec 75

Improved staining method for differentiating immature germ cells from white blood cells in human seminal fluid. Couture M, et al. **Andrologia** 8(1):61–6, 1976

Immunoperoxidase localization of alpha bungarotoxin: a new approach to myasthenia gravis. Bender AN, et al. **Ann NY Acad Sci** 274:20–30, 1976 (30 ref.)

The histochemical application of dansylhydrazine as a fluorescent labeling reagent for sialic acid in cellular glycoconjugates. Weber P, et al. **Histochemistry** 45(4):271–7, 19 Dec 75

Cell preparation and staining for flow systems. pp. 94–106. Crissman HA.
In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.

A simplified Leifson flagella stain. Clark WA. **J Clin Microbiol** 3(6):632–4, Jun 76

Electron microscopy of tobacco mosaic virus prepared with the aid of negative staining–carbon film techniques. Horne RW, et al. **J Gen Virol** 31(2):265–9, May 76

2,7–Fluorenediamine and 2,5–fluorenediamine as peroxidase reagents for blood smears. Inagaki A, et al. **J Lab Clin Med** 88(2):334–8, Aug 76

New staining technique for intraerythrocytic fetal globin. Chirasiri L. **J Med Assoc Thai** 58(11):570–2, Nov 75

An alcian blue–phloxine method for the gross demonstration of squamous metaplasia in the larynx. Watt J, et al. **J Pathol** 116(1):31–6, May 75

Immunoglobulins within human small–intestinal Paneth cells. Rodning CB, et al. **Lancet** 1(7967):984–7, 8 May 76

A comparison of staining techniques for demonstrating group A chlamydia in tissue culture. Johnson FW. **Med Lab Technol** 32(3):233–8, Jul 75

Accuracy of mast cell counts with different staining procedures. Toraason J, et al. **Med Lab Technol** 32(1):50–3, Jan 75

A simple differential staining method for semi–thin sections of ossifying cartilage and bone tissues embedded in epoxy resin. Jenő L, et al. **Mikroskopie** 31(1–2):1–4, Apr 75

Examination of fungal nuclei with the feulgen–fluorescence method. Laane MM, et al. **Mikroskopie** 31(3–4):85–90, Jun 75

Differentiation of silver–calciumsalt staining methods using a photographic reducer. Plenk H Jr. **Mikroskopie** 31(3–4):73–6, Jun 75

Selective staining of rodent acrosomes with phosphotungstic acid. Stockert JC, et al. **Mikroskopie** 31(1–2):36–41, Apr 75

A new technique of silver impregnation for oligodendrocytes with potassium dicyanoargentate by means of perfusion–fixation method. Ogawa Y, et al. **Okajimas Folia Anat Jpn** 52(1):39–50, May 75

The use of a basic dye (azure A or toluidine blue) plus a cationic surfactant for selective staining of RNA: a technical and mechanistic study. Bennion PJ, et al. **Stain Technol** 50(5):307–13, Sep 75

Iron gallein elastic method—a substitute for Verhoeff's elastic tissue stain. Churukian CJ, et al. **Stain Technol** 51(4):213–7, Jul 76

An in vivo giemsa chromosome banding technique. Kitchin RM, et al. **Stain Technol** 50(6):371–4, Nov 75

A methanol resorcin–fuchsin stain for elastic tissues and nuclei. Melcan SN, et al. **Stain Technol** 50(6):367–70, Nov 75

Differential staining of tannin in sections of epoxy–embedded plant cells. Parham RA, et al. **Stain Technol** 51(4):237–40, Jul 76

[Demonstration of mycoplasma by direct fluorochromation with acridine derivatives (author's transl)] Stübner G. **Dtsch Med Wochenschr** 101(34):1257–8, 20 Aug 76 (Eng. Abstr.) **(Ger)**

[A complex cytological staining method for life cycle studies in diatoms (Diatoma hiemale var. mesodon) (author's transl)] Březina V, et al. **Mikroskopie** 31(9–10):291–3, Jan 76 (Eng. Abstr.) **(Ger)**

[Problems and experience in the light optical and histological presentation of glia cells] Leibnitz L. **Z Mikrosk Anat Forsch** 89(4):727–43, 1975 (Eng. Abstr.) **(Ger)**

[Variable stainability of Purkinje cells] Meitner ER. **Z Mikrosk Anat Forsch** 89(3):467–78, 1975 (Eng. Abstr.) **(Ger)**

[Staining of glial fibers (author's transl)] Krutsay M. **Zentralbl Allg Pathol** 119(5):390–1, 1975 (Eng. Abstr.) **(Ger)**

[Basic proteins in the granules of mast cells. Demonstration of masked proteins, acidophilic staining of the granules] Anikó K, et al. **Morphol Igazsagugyi Orv Sz** 16(3):211–7, Jul 76 (Eng. Abstr.) **(Hun)**

[Glia staining] Miklós K. **Morphol Igazsagugyi Orv Sz** 15(3):229–30, Jul 75 **(Hun)**

[Modification of the Romeis method for cartilage staining] Miklós K. **Morphol Igazsagugyi Orv Sz** 16(3):209–10, Jul 76 (Eng. Abstr.) **(Hun)**

[Modification of the method of differential intracellular staining of living and dead Mycobacteria] Kozlova NE. **Lab Delo** (10):633–4, 1975 **(Rus)**

[Determination of B lymphocytes: immunofluorescence and peroxidase dyes (preliminary note)] Estrach Panella T, et al. **Med Cutan Iber Lat Am** 3(5):399–402, 1975 (Eng. Abstr.) **(Spa)**

STANDARDS

Standardization of fixation procedures in cytology and histopathology. pp. 20–3. Lippi U.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

[Determination of staining quality of industrial dyes. studies with neutral red as example] Wittekind D. **Acta Histochem (Jena)** SUPPL 13:305–10, 1973 **(Ger)**

[Can azur–B eosin replace the May–Grünwald–Giemsa stain?] Wittekind D, et al. **Blut** 32(2):71–8, Feb 76 (Eng. Abstr.) **(Ger)**

STAMMERING see **STUTTERING**

STANNUM see **TIN**

STANOLONE

Steroid hormone receptors in human breast cancer and the clinical significance. Maass H, et al. **J Steroid Biochem** 6(5):743–9, May 75

ANALOGS & DERIVATIVES

[Androgenic treatment with depot mesterolone in dyspermia] De Aloysio D, et al. **Acta Eur Fertil** 6(2):125–51, Jun 75 **(Eng, Ita)**

Are hormones psychoactive? Evoked potential investigations in man. Saletu B, et al. **Arzneim Forsch** 25(8):1321–7, Aug 75

Pharmacological experiments to stimulate human sexual behaviour. pp. 489–95. Benkert O.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. (21 ref.)

Effect of mesterolone on the spermatogenesis of infertile patients. pp. 479–95. Giarola A.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Serum gonadotropin levels in men with hypogonadism: mesterolone in the treatment of oligozoospermia. pp. 545–500. Rastogi GK, et al.
In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.

Neurophysiological effects of hormones in humans: computer EEG profiles of sex and hypothalamic hormones. pp. 31–40. Itil TM.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Failure of 19–hydroxylated androgens to inhibit compensatory ovarian hypertrophy in the rat. Parrott RF, et al. **J Endocrinol** 68(1):173, Jan 76

Recent advances in the treatment of male sub–fertility. Bye P. **Postgrad Med J** 51(594):215–20, Apr 75

[The effect of mesterolone in panmyelopathic anemia and anemia of renal failure] Bock EL, et al. **Med Klin** 71(13):539–47, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Effect of mesterolone on the erythropoietin activity and hematocrit in long–term hemodialysis patients] Heilmann E, et al. **Med Welt** 27(27):1341–2, 2 Jul 76 **(Ger)**

[Experimence with mesterolone in male fertility disorders] Guillon G. **Z Hautkr** 50(7):293–7, 1 Apr 75 **(Ger)**

[Effects of treatment with 1 alpha–methyl–5 alpha–androstan–17 beta–ol–3–one on the dynamics of diencephalo–hypophysio–gonadal axis and on spermatogenesis in some forms of male infertility] Franchi F, et al. **Folia Endocrinol (Roma)** 27(5):480–505, Oct 74 (Eng. Abstr.) **(Ita)**

[Use of mesterolone in the treatment of dyspermia] pp. 461–7. Guastella G, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)

ANALYSIS

Testosterone and dihydrotestosterone concentrations in plasma, epididymal tissues, and seminal fluid of adult rats. Pujol A, et al. **Endocrinology** 98(1):111–3, Jan 76

BIOSYNTHESIS

Steroid biosynthetic potential of gynaecomastic tissue in man. Rajendran KG, et al. **Horm Res** 6(5–6):329–35, 1975

Steroid metabolism in foetal tissues—IV conversion of testosterone to 5alpha–dihydrotestosterone in human foetal brain. Schindler AE. **J Steroid Biochem** 7(2):97–100, Feb

76
[Intensive conversion in vitro of 5 alpha-androstane-3-alpha, 17 beta-diol into 5 alpha-dihydrotestosterone in the anterior hypophysis of male rats] Thieulant ML, et al. **C R Acad Sci [D] (Paris)** 282(2):231-4, 12 Jan 76 (Eng. Abstr.) **(Fre)**

BLOOD

Dihydrotestosterone in human ovarian venous plasma. Calabresi E, et al. **Acta Endocrinol (Kbh)** 82(2):380-7, Jun 76

Serum 5alpha-dihydrotestosterone and testosterone changes with age in man. Lewis JG, et al. **Acta Endocrinol (Kbh)** 82(2):444-8, Jun 76

Variations in the capacity of the steroid binding beta globulin (SBbetaG) in plasma from normal young twins. de Moor P, et al. **Ann Endocrinol (Paris)** 36(2):87-93, Mar-Apr 75

Effects of age and season on sexual behavior and plasma testosterone and dihydrotestosterone concentrations of laboratory-housed male rhesus monkeys (Macaca mulatta). Robinson JA, et al. **Biol Reprod** 13(2):203-10, Sep 75

Simultaneous determination of five sex hormones in human serum by radioimmunoassay after chromatography on Lipidex-5000. Apter D, et al. **Clin Chem** 22(1):32-8, Jan 76

Radioimmunoassay of plasma dihydrotestosterone in normal and hypogonodal men. Pazzagli M, et al. **Clin Endocrinol (Oxf)** 4(5):513-20, Sep 75

Rapid chromatography for quantitation of radioimmunoassayable 5alpha-androstane-17beta-ol-3-one and testesterone in ram, bull and boar serum. Schanbacher BD. **Endocr Res Commun** 3(1):71-82, 1976

Simultaneous determination of testosterone, 5alpha-androstan-17beta-ol-3-one, 5alpha-androstane-3alpha,17beta-diol and 5alpha-androstane-3beta,17beta-diol in plasma of adult male rabbits by radioimmunoassay(1). Schanbacher BD, et al. **Endocrinology** 97(4):787-92, Oct 75

Impaired Leydig cell reserve and altered serum androgen binding in the aging male. Hallberg MC, et al. **Fertil Steril** 27(7):812-4, Jul 76

Correlation between blood level of androgens and sexual behavior in male leopard frogs, Rana pipiens. Wada M, et al. **Gen Comp Endocrinol** 29(1):72-7, May 76

Quantitative determination of sex hormone-binding globulin capacity in the plasma of normal and diabetic pregnancies. De Hertogh R, et al. **J Clin Endocrinol Metab** 42(4):773-7, Apr 76

Altered blood androgens in elderly men with prostate hyperplasia. Horton R, et al. **J Clin Endocrinol Metab** 41(4):793-6, Oct 75

Levels of luteinizing hormone, follicle-stimulating hormone, testosterone and dihydrotestosterone in the circulation of sexually maturing intact male rats and after orchidectomy and experimental bilateral cryptorchidism. Gupta D, et al. **J Endocrinol** 66(2):183-93, Aug 75

Proceedings: Age-related changes in serum 5alpha-dihydrotestosterone and testosterone in normal men. Lewis JG, et al. **J Endocrinol** 67(2):15P, Nov 75

Proceedings: Serum androgens in male and female Praomys (Mastomys) natelensis. Lewis JG, et al. **J Endocrinol** 68(3):27P, Mar 76

Proceedings: Novel procedure for the simultaneous determination of testosterone and 5alpha-dihydrotestosterone concentrations in unpurified plasma extracts by radioimmunoassay. Llewelyn DE, et al. **J Endocrinol** 67(2):7P-8P, Nov 75

A paper chromatographic saturation analysis method for measuring estradiol, testosterone and 5alpha-dihydrotestosterone from the same sample. Carstensen H, et al. **J Steroid Biochem** 7(2):145-9, Feb 76

Simultaneous determination of androstenedione, testosterone and 5alpha-dihydrotestosterone in human spermatic and peripheral venous plasma. Fiorelli G, et al. **J Steroid Biochem** 7(2):113-6, Feb 76

Radioimmunoassay of 17beta-hydroxy-5alpha-androstan-3-one, 4-androstene-3,17-dione, dehydroepiandrosterone, 17-hydroxyprogesterone and progesterone and its application to the human male plasma. Vermeulen A, et al. **J Steroid Biochem** 7(1):1-10, Jan 76

Serum testosterone and dihydrotestosterone in patients with trophoblastic disease. Dawood MY, et al. **Obstet Gynecol** 47(6):684-8, Jun 76

The determination of five steroids in avian plasma by radioimmunoassay and competitive protein-binding. Wingfield JC, et al. **Steroids** 26(3):311-21, Sep 75

[Endocrinological results in a patient with testicular feminization (karyotype 46, XY) with special reference to basal and HCG-stimulated serum testosterone and dihydrotestosterone concentrations] Tharandt L, et al. **Verh Dtsch Ges Inn Med** 81:1546-9, 1975 **(Ger)**

CHEMICAL SYNTHESIS

Preparation of 3beta-hydroxy-5alpha-androstan-16-one. Ghilezan I, et al. **J Chem Soc [Perkin I]** (12):1350-1, 1976

IMMUNOLOGY

Stereochemical approach to increase the specificity of steroid antibodies. Bermúdez JA, et al. **J Steroid Biochem** 6(3-4):283-90, Mar-Apr 75

Preparation and antigenic properties of 5alpha-dihydrotestosterone-7-bovine serum albumin conjugate. Exley D, et al. **J Steroid Biochem** 7(2):109-12, Feb 76

METABOLISM

Effect of some synandrogens and antiandrogens on the conversion of testosterone to dihydrotestosterone in the cultured rat ventral prostate. Johansson R. **Acta Endocrinol (Kbh)** 81(2):398-408, Feb 76

Effect of prolactin, growth hormone and insulin on the uptake and binding of dihydrotestosterone to the cultured rat ventral prostate. Johansson R. **Acta Endocrinol (Kbh)** 1(4):854-64, Apr 76

Metabolism and mode of action of androgens in target tissues of male rats. V. Uptake and metabolism of cyproterone acetate and its influence on the uptake and metabolism of testosterone and 5alpha-dihydrotestosterone in target organs and peripheral tissues. Szalay R, et al. **Acta Endocrinol (Kbh)** 80(3):592-602, Nov 75

Oestradiol- and dihydrotestosterone receptors in normal and neoplastic human mammary tissue. Wagner RK, et al. **Acta Endocrinol (Kbh)** 82(1):105-20, May 76

Steroid receptors in Streptomyces hydrogenans: isolation and characterization of a high affinity receptor for 5alpha-dihydrotestosterone. Kurth J, et al. **Acta Microbiol Acad Sci Hung** 22(4):497-502, 1975

Steroid-binding proteins in carcinoma of the human male breast. Thompson EB, et al. **Am J Clin Pathol** 65(3):360-3, Mar 76

Androgen dependency of the androgen receptor in rat epididymis. Calandra RS, et al. **Biochem Biophys Res Commun** 67(1):97-102, 3 Nov 75

The specificity of 5-alpha-dihydrotestosterone binding in human prostate cytosol preparations. Cowan RA, et al. **Biochem Soc Trans** 3(4):537-40, 1975

In vitro conversion of testosterone to various metabolites by the teased testicular tissue of normal and posthypophysectomized regressed rats. Ahmad N, et al. **Biol Reprod** 14(5):561-5, Jun 76

Oestrogen and androgen receptors in breast cancer and response to endocrine therapy. Persijn JP, et al. **Br Med J** 4(5995):503, 29 Nov 75

An androgen receptor in rat brain and pituitary. Barley J, et al. **Brain Res** 100(2):383-93, 19 Dec 75

Regional and subcellular localization of [3H]dihydrotestosterone in brain and pituitary of male mice. Luttge WG, et al. **Brain Res** 109(2):426-9, 11 Jun 76

Androgen and estrogen binding in rat skeletal and perineal muscles. Dubé JY, et al. **Can J Biochem** 54(1):50-5, Jan 76

Specific 5alpha-dihydrotestosterone binding in labial skin fibroblasts cultured from patients with male pseudohermaphroditism. Kaufman M, et al. **Clin Genet** 9(6):567-74, Jun 76

Androgen nuclear exchange activity in rat testis. Sanborn BM, et al. **Endocr Res Commun** 2(4-5):335-44, 1975

Nuclear 3alpha-hydroxysteroid dehydrogenase (3alphaOHD) activity for 5alpha-dihydrotestosterone in the rat prostate. Van Doorn EJ, et al. **Endocr Res Commun** 2(8):471-87, 1975

Binding of testosterone, dihydrotestosterone and progesterone to rat prostate cytosol: application of microcalorimetry. Zukovic B, et al. **Endocrinol Exp (Bratisl)** 10(2):119-24, Jun 76

5alpha-Dihydrotestosterone binding protein in rat ventral prostate; purification, nuclear incorporation, and subnuclear localization. Ichii S. **Endocrinol Jpn** 22(5):433-7, Oct 75

Direct evidence on incorporation of the receptor into the nuclei of rat ventral prostate in the form of the complex with dihydrotestosterone. Nozu K, et al. **Endocrinol Jpn** 22(6):537-48, Dec 75

Androgen and estrogen receptors in brain cytosol from male, female, and testicular feminized (tfm/y hermaphrodite) mice. Attardi B, et al. **Endocrinology** 98(4):864-74, Apr 76

Interaction of spironolactone and digitalis with the 5 alpha-dihydrotestosterone (DHT) receptor of rat ventral prostate. Pita JC Jr, et al. **Endocrinology** 97(6):1521-7, Dec 75

Concerning the hormonal regulation of androgen binding protein in rat testis. Tindall DJ, et al. **Endocrinology** 99(3):809-18, Sep 76

Interconversion between 17 beta-hydroxy-5alpha-androstan-3-one (5alpha-dihydrotestosterone) and 5alpha-androstane-3alpha, 17 beta-diol in rat kidney: heterogeneity of 3alpha-hydroxysteroid oxidoreductases. Verhoeven G, et al. **Eur J Biochem** 65(2):565-76, 1 Jun 76

The anatomical substrate of neuroendocrine regulation as defined by autoradiography with 3H-estradiol, 3H-testosterone, 3H-dihydrotestosterone and 3H-progesterone. pp. 46-56. Stumpf WE, et al. **In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.**

Control of the concentration and distribution of dihydrotestosterone in prostatic cells. pp. 125-43. Bruchovsky N, et al. **In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.**

Testicular feminization syndrome: a model of chemical information non-transfer. pp. 229-36. Northcutt RC, et al. **In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

3alpha-Reduction of dihydrotestosterone in human normal and hypertrophic prostatic tissues. Shida K, et al. **Invest Urol** 13(3):241-5, Nov 75

Evidence for a specific dihydrotestosterone-binding cytosol receptor in the human prostate. Geller J, et al. **J Clin Endocrinol Metab** 41(5):854-62, Nov 75

Comparison of androgen metabolites in benign prostatic hypertrophy (BPH) and normal prostate. Geller J, et al. **J Clin Endocrinol Metab** 43(3):686-8, Sep 76

Androgen-binding proteins in human benign prostatic hypertrophy. Rosen V, et al. **J Clin Endocrinol Metab** 41(4):761-70, Oct 75

Dihydrotestosterone binding by cultured human fibroblasts. Comparison of cells from control subjects and from patients with hereditary male pseudohermaphroditism due to androgen resistance. Griffin JE, et al. **J Clin Invest** 57(5):1342-51, May 76

Male pseudohermaphroditism presumably due to target organ unresponsiveness to androgens. Deficient 5alpha-dihydrotestosterone binding in cultured skin fibroblasts. Kaufman M, et al. **J Clin Invest** 58(2):345-50, Aug 76

Proceedings: Binding of 5 alpha-dihydrotestosterone in human prostatic cancer; examination by agar gel electrophoresis. Nijs M, et al. **J Endocrinol** 69(3):18P-19P, Jun 76

Distribution of testosterone and 5alpha-dihydrotestosterone in rat epididymis and their concentrations in efferent duct fluid. Vreeburg JT. **J Endocrinol** 67(2):203-10, Nov 75

A review of the formation and binding of 5 alpha-dihydrotestosterone in the mechanism of action of androgens in the prostate of the rat and other species. Mainwaring WI. **J Reprod Fertil** 44(2):377-93, Aug 75 (61 ref.)

Uptake, metabolism and binding of various androgens in human prostatic tissue: in vivo and in vitro studies. Becker H, et al. **J Steroid Biochem** 6(3-4):447-52, Mar-Apr 75

The influence of androgen receptors on the concentration of androgens in nuclei of hormone-responsive cells. Bruchovsky N, et al. **J Steroid Biochem** 6(5):551-60, May 75

Metabolism of testosterone and dihydrotestosterone in cultured rat hepatoma cells. de Moor P, et al. **J Steroid Biochem** 6(9):1363-70, Sep 75

Production and secretion of 5alpha-reduced testosterone (DHT) by male reproductive organs. Eik-Nes KB. **J Steroid Biochem** 6(3-4):337-9, Mar-Apr 75 (40 ref.)

Androgen binding in rat uterus cytosol. Study of the specificity. Heyns W, et al. **J Steroid Biochem** 7(5):335-43, May 76

The role of hypothalamic and hypophyseal 5alpha-dihydrotestosterone, estradiol and progesterone receptors in the mechanism of feedback action. Kato J. **J Steroid Biochem** 6(6):979-87, Jun 75 (67 ref.)

In vitro assay of androgen binding by human prostate. Mobbs BG, et al. **J Steroid Biochem** 6(3-4):453-8, Mar-Apr 75

Formation, nuclear incorporation and enzymatic decomposition of androgen-receptor complex of rat prostate. Nozu K, et al. **J Steroid Biochem** 6(9):1319-23, Sep 75

Dihydrotestosterone-protein binding in the cytosol of rat anterior hypophysis in vitro: evidence for a specific receptor. Thieulant ML, et al. **J Steroid Biochem** 6(8):1257-60, Aug 75

Androgen metabolism in the hypertrophic prostate. Wilson JD, et al. **J Steroid Biochem** 6(3-4):443-5, Mar-Apr 75

Changes in 5alpha- dihydrotestosterone binding to epididymal cytosol during sexual maturation in rabbits: correlation with morphological changes in the testis and epididymis. Danzo BJ, et al. **Mol Cell Endocrinol** 3(3):203-20, Sep 75

Similarities between 5alpha-dihydrotestosterone-receptor complexes from human and rat prostatic tissue: effects on RNA polymerase activity. Davies P, et al. **Mol Cell Endocrinol** 3(2):143-64, Aug 75

Further characterization of the androgen receptor in rat testis. McLean WS, et al. **Mol Cell Endocrinol** 4(4):239-55, Mar 76

Some properties of androgen-binding activity in rat testis. Sanborn BM, et al. **Mol Cell Endocrinol** 3(2):129-42, Aug 75

Androgen-binding proteins in rat epididymis: properties of a cytoplasmic receptor for androgen similar to the androgen receptor in ventral prostate and different from androgen-binding protein (ABP). Tindall DJ, et al. **Mol Cell Endocrinol** 3(2):83-101, Aug 75

Differentiation between steroid hormone receptors CBG and SHBG in human target organ extracts by a single-step assay. Wagner RK, et al. **Mol Cell Endocrinol** 4(1):13-24, Dec 75-Jan 76

Androgen insensitivity in man: evidence for genetic heterogeneity. Amrhein JA, et al. **Proc Natl Acad Sci USA** 73(3):891-4, Mar 76

Androgen- and estrogen-binding macromolecules in developing mouse brain: biochemical and genetic evidence. Fox TO. **Proc Natl Acad Sci USA** 72(11):4303-7, Nov 75

Characterization of the androgen receptor from a Syrian hamster ductus deferens tumor cell line (DDT1). Norris

JS, et al. **Science** 192(4242):898–900, 28 May 76

Assay of androgen binding sites by exchange with methyltrienolone (R 1881). Bonne C, et al. **Steroids** 27(4):497–507, Apr 76

MCF-7; a human breast cancer cell line with estrogen, androgen, progesterone, and glucocorticoid receptors. Horwitz KB, et al. **Steroids** 26(6):785–95, Dec 75

The inhibition of the conversion of testosterone into 5alpha-dihydrotestosterone in the reproductive organs of the male rat. Saksena SK, et al. **Steroids** 27(6):751–7, Jun 76

Ammonium sulfate precipitation as a tool for the study of androgen receptor proteins in rat prostate and mouse kidney. Verhoeven G, et al. **Steroids** 26(2):149–67, Aug 75

Receptor for 5alpha-dihydrotestosterone from Streptomyces hydrogenans. Kurth J, et al.
Zentralbl Bakteriol [Orig A] 233(3):376–9, Nov 75

[Specific receptor for dehydrotestosterone in male rat anterior hypophysis] Mercier L, et al.
C R Acad Sci [D] (Paris) 279(26):2127–30, 23 Dec 74 **(Fre)**

[Androgen receptors in the cytosol of normal mucosa and of pharyngo-laryngeal epitheliomas in humans] Saez S, et al. **C R Acad Sci [D] (Paris)** 280(7):935–8, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[The role of the hypophysis and the hypophyseal hormone prolactin in maintenance of the sexual specificity of the metabolism of testosterone and
5-alpha-dihydrotestosterone in rat liver slices] Schriefers H, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1535–43, Oct 75 **(Ger)**

PHARMACODYNAMICS

Effects of steriod hormones on human fibroblasts in vitro. II. Antagonism by androgens of cortisol-induced inhibition. Harvey W, et al. **Ann Rheum Dis** 35(2):148–51, Apr 76

Modulation of progestin secretion in ovarian cells by 17beta-hydroxy-5alpha-androstan-3-one (dihydrotestosterone): a direct demonstration in monolayer culture. Schomberg DW, et al.
Biochem Biophys Res Commun 68(1):77–81, 12 Jan 76

Uterotrophic effects of testosterone and
5alpha-dihydrotestosterone in intact and ovariectomized immature female rats. Armstrong DT, et al.
Biol Reprod 15(1):107–14, Aug 76

Action of testosterone, dihydrotestosterone and 5alpha androstane 3alpha, 17beta diol on the spermatogenesis of immaiure rats. Chemes HE, et al. **Biol Reprod** 14(3):332–8, Apr 76

Cloned mouse mammary cell lines requiring androgens for growth in culture. Desmond WJ Jr, et al. **Cell** 8(1):79–86, May 76

Androgen-dependent fibrinolytic activity in a murine mammary carcinoma (Shionogi SC-115 cells) in vitro. Mak TW, et al. **Cell** 7(2):223–6, Feb 76

The effects of testosterone, 5alpha-dihydrotestosterone, 3alpha-androstanediol, and 3beta-androstanediol on epithelial fine structure of the rabbit epididymis in organ culture. Hoffman LH, et al. **Cell Tissue Res** 167(4):493–514, 9 Apr 76

The effects of testosterone, 5alpha-dihydrotestosterone, 3alpha-androstanediol, and 3beta-androstanediol on the maturation of rabbit epididymal spermatozoa in organ culture. Orgebin-Crist MC, et al. **Cell Tissue Res** 167(4):515–25, 9 Apr 76

Decidualization in rats given 5alpha-dihydrotestosterone or its propionate neonatally. Takewaki K, et al.
Endocrinol Jpn 22(6):561–5, Dec 75

Androgen induction of a specific uterine protein. Ruh TS, et al. **Endocrinology** 97(5):1144–50, Nov 75

Androgen-uterine interaction: nuclear translocation of the estrogen receptor and induction of the synthesis of the uterine-induced protein (IP) by high concentrations of androgens in vitro but not in vivo. Schmidt WN, et al. **Endocrinology** 98(3):702–16, Mar 76

Steroid-induced early protein synthesis in rat uterus and prostate. Pennequin P, et al. **Eur J Biochem** 60(1):137–45, 1 Dec 75

Differential effects of the anti-estrogen MER-25 and of three 5alpha-reduced androgens on mounting and lordosis behavior in the rat. Baum MJ, et al. **Horm Behav** 7(1):87–104, Mar 76

Synergistic actions of estrogen and androgen on the sexual behavior of the castrated male rabbit. Beyer C, et al.
Horm Behav 6(3):301–6, Sep 75

Mounting behavior of female guinea pigs after prenatal and adult administration of the propionates of testosterone, dihydrotestosterone, and androstanediol. Goldfoot DA, et al. **Horm Behav** 6(2):139–48, Jun 75

Hormone effects on male sex behavior in adult South African clawed frogs, Xenopus laevis. Kelley DB, et al.
Horm Behav 7(2):159–82, Jun 76

Interactions of progesterone and dihydroprogesterone with dihydrotestosterone on estrogen activated sexual receptivity in female mice. Luttge WG, et al.
Horm Behav 7(2):253–7, Jun 76

Homotypical sexual behavior in gonadectomized female and male rats treated with 5alpha-19-hydroxytestosterone: comparison with related androgens. Parrott RF.
Horm Behav 7(2):207–15, Jun 76

Mounting behavior and lordosis behavior in castrated male rats treated with testosterone propionate, or with estradiol benzoate or dihydrotestosterone in combination with testosterone propinonate. Södersten P. **Horm Behav** 6(2):109–26, Jun 75

The role of aromatization in androgen stimulation of gerbil scent marking. Yahr P. **Horm Behav** 7(2):259–65, Jun 76

Prolactin on androgen mobilization. pp. 502–8. Farnsworth WE.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Role of sex steroids on LH and FSH secretion in the rat. pp. 191–209. Ferland L, et al.
In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976. (35 ref.)

Stimulation of cell proliferation by steroids. pp. 355–67. Smith JA, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Effect of testosterone, dihydrotestosterone, estradiol, and prolactin on the weight and citric acid content of the lateral lobe of the rat prostate. Walvoord DJ, et al.
Invest Urol 14(1):60–5, Jul 76

Effects of sex hormones on the level of the messenger RNA for the rat hepatic protein alpha 2u globulin. Kurtz DT, et al. **J Biol Chem** 251(12):3594–8, 25 Jun 76

Is aromatization of testosterone to extradiol required for inhibition of luteinizing hormone secretion in men? Santen RJ. **J Clin Invest** 56(6):1555–63, Dec 75

Role of estrogens in androgen-induced spontaneous activity in male rats. Roy EJ, et al. **J Comp Physiol Psychol** 89(6):573–9, Aug 75

Sexual behaviour in castrated rabbits treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. Agmo A, et al.
J Endocrinol 67(3):327–32, Dec 75

Suppression of the development of female hamster behaviour by implants of testosterone and non-aromatizable androgens administered neonatally. Gerall AA, et al.
J Endocrinol 67(3):439–45, Dec 75

Lack of an effect of dihydrotestosterone on serum luteinizing hormone in neonatal female rats. Morishita H, et al.
J Endocrinol 67(1):139–40, Oct 75

A comparison of the effects of neonatally administered testosterone, testosterone propionate and
dihydrotestosterone on aggressive and sexual behaviour in the female golden hamster. Payne AP. **J Endocrinol** 69(1):23–31, Apr 76

Maintenance of male sexual behavior by combined treatment with oestrogen and dihydrotestosterone in CD-1 mice. Wallis CJ, et al. **J Endocrinol** 66(2):257–62, Aug 75

The activation of cultured epididymal tubules by androgens. Blaquier JA, et al. **J Steroid Biochem** 6(5):573–o, May 75

Dihydrotestosterone and the initiation of protein synthesis by prostate ribosomes. Liang T, et al.
J Steroid Biochem 6(5):549–50, May 75

Influence of steroid-receptor complexes on transcription by human hypertrophied prostatic RNA polymerases. Davies P, et al. **Mol Cell Endocrinol** 5(3-4):269–88, Aug-Sep 76

Induction of vaginal mucification in rats with testosterone and 17beta-hydroxy-5alpha-androstan-3-one. Kennedy TG, et al. **Steroids** 27(3):423–30, Mar 76

[Comparison of effect of testosterone and
5alpha-dihydrotestosterone on adrenal cortex in hypophysectomized rats] Zizine L. **C R Soc Biol (Paris)** 168(10–11–12):1182–5, 1974 (Eng. Abstr.) **(Fre)**

[Effects of microdoses of testosterone and 5alpha-DHT on castrated lizard (Lacerta vivipara Jacquin) epididymis cultivated in vitro (author's transl)] Gigon A.
Experientia 31(12):1470–2, 15 Dec 75 (Eng. Abstr.) **(Fre)**

SECRETION

Age-related secretion of androstenedione, testosterone and dihydrotestosterone by the human testis. Giusti G, et al.
Exp Gerontol 10(5):241–5, 1975

[Stimulation of testicular secretion by chorionic gonadotrophin. Results in normal men and in hypogonadic patients] Mahoudeau JA, et al. **Nouv Presse Med** 5(12):767–70, 20 Mar 1976 (Eng. Abstr.) **(Fre)**

STANOZOLOL

ADVERSE EFFECTS

Jaundice induced by stanozolol hypersensitivity. Slater SD, et al. **Postgrad Med J** 52(606):229–32, Apr 76

ANALYSIS

Gas chromatographic determination of Stanozolol in veterinary suspensions. Magin DF. **J Chromatogr** 115(2):687–9, 24 Dec 75

THERAPEUTIC USE

Proceedings: Treatment of Raynaud's syndrome with stanozolol. Jarrett PE, et al. **Br J Surg** 62(8):654, Aug 75

Clinical and laboratory double-blind investigation of fibrinolytic therapy of cutaneous vasculitis. pp. 325–33. Cunliffe WJ, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

[Trial of androgen therapy in the treatment of non-lymphoblastic acute leukemia. First results] Hollard D, et al. **Nouv Presse Med** 5(20):1289–93, 15 May 76 (Eng. Abstr.) **(Fre)**

[Androgens and prolonged complete remissions in acute non lymphoblastic leukemias. Results of a systematic treatment with stanozolol associated with chemotherapy (author's transl)] Sotto JJ, et al. **Nouv Rev Fr Hematol** 15(1):57–72, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Therapeutic trial of Strombaject following the treatment of neoplasms of the otorhinolaryngologic region and especially of the pharyngo-larynx] Traissac L.
Rev Laryngol Otol Rhinol (Bord) 96(5–6):335–9, May-Jun 75 **(Fre)**

STAPES see under **EAR OSSICLES**

STAPES MOBILIZATION

[Fukuda writing test in the evaluation of vestibular reactions during stapedioplasty and in the first days thereafter] Gukovich VA, et al. **Zh Ushn Nos Gorl Bolezn** (5):23–8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

METHODS

[Technic of indirect mobilization of stapes and its functional results] Chládek V, et al. **Cesk Otolaryngol** 24(5):282–5, Oct 75 (Eng. Abstr.) **(Cze)**

STAPES SURGERY

Poststapedectomy otitis media and meningitis. Newlands WJ.
Arch Otolaryngol 102(1):51–4, Jan 76

The indications for stapedectomy. Hammond V.
J Laryngol Otol 90(1):23–30, Jan 76

Labyrinthine reflexive influences on blood pressure during stapedectomy. Pantazopoulos P, et al. **J Laryngol Otol** 89(8):833–6, Aug 75

Second ear stapedectomy--a continued controversy. Smyth GDL, et al. **J Laryngol Otol** 89(10):1047–56, Oct 75

Stapedectomy: gelfoam compared with tissue grafts. Sheehy JL, et al. **Laryngoscope** 86(3):436–44, Mar 76

Early (15 ms) and late (100 ms) acoustic responses in patients suffering from otosclerosis, before and after stapedectomies. Stange G, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(3–4):107–13, Mar–Apr 75

[Electronystagmographic data from a study of 100 postoperative tracings 5 days after venous interposition] Laurent JG, et al. **Acta Otorhinolaryngol Belg** 29(1):182–95, 1975 **(Fre)**

[Role of surface tension in stapedectomy] Marquet J, et al.
Acta Otorhinolaryngol Belg 29(3):525–31, 1975 **(Fre)**

[Development of auditory threshold in the 1st weeks after stapes surgery. Study of 50 cases] Muselle J, et al.
Acta Otorhinolaryngol Belg 29(3):514–24, 1975 (Eng. Abstr.) **(Fre)**

[Postoperative estimation of stapes- and tympanoplastics by pressure evoked threshold shift (author's transl)] Opitz HJ, et al. **Laryngol Rhinol Otol (Stuttg)** 54(6):477–85, Jun 75 (Eng. Abstr.) **(Ger)**

[Prolonged vestibular disorders after repeated stapedoplasty] Lantsov AA. **Vestn Otorinolaringol** (1):20–1, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Exudative otitis media after stapes surgery, simulating perceptive deafness] Tsukerberg LI, et al.
Vestn Otorinolaringol (2):100–2, Mar–Apr 76 **(Rus)**

[Perilynphatic fistula after stapedectomy: closing with tragal perichondrium (author's transl)] Castrillo Riol R, et al.
Rev Esp Otoneurooftalmol Neurocir 33(194):153–8, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Barotraumatic rupture of the saccule follwing stapedectomy. Sleeckx JP, et al. **Acta Otorhinolaryngol Belg** 29(7):1046–53, 1975

Stapedectomy complications. Willis R. **J Laryngol Otol** 90(1):31–40, Jan 76

The knotted wire in stapes surgery: one possible factor in postoperative sensori-neural hearing loss. Gorun G, et al.
Laryngoscope 86(9):1328–32, Sep 76

Stapedectomy revisions and 'commandments' — posterior arch stapedioplasty. Goodhill V.
Trans Pac Coast Otoophthalmol Soc 55:35–59, 1974

[Changes of the inner ear in experimental stapedectomy] de Almeida CI, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(11–12):662–72, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Facial paresis following stapedectomy (author's transl)] Paulsen K. **HNO** 23(2):45–6, Feb 75 (Eng. Abstr.) **(Ger)**

[Cerebrospinal otorrhea as an intraoperative accident in stapedectomy] Hociotă D, et al.
Rev Chir [Otorinolaringol] 20(3):171–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

INSTRUMENTATION

A modified stapedectomy crimper. Seda HJ. **Laryngoscope** 86(1):148–9, Jan 76

METHODS

A critique of stapedectomy. Van Doren Hough J.
J Laryngol Otol 90(1):15–22, Jan 76

[Prosthesis in single-stage stapes surgery] Ust'ianov IuA.
Vestn Otorinolaringol (1):86–7, Jan–Feb 76 **(Rus)**

STAPHYLOCOAGULASE see COAGULASE

STAPHYLOCOCCAL FOOD POISONING

[The significance of the staphylococcal enterotoxins in foodstuffs] Sinell HJ. **Med Klin** 71:1165–71, 9 Jul 76 **(Ger)**

[Small wound—big effect] Werkö L. **Lakartidningen** 73(4):201–2, 21 Jan 76 **(Swe)**

ETIOLOGY

Clinical aspects of outbreak of staphylococcal food poisoning during air travel. Effersoe P, et al. **Lancet** 2(7935):599–600, 27 Sep 75

Staphylococcal food poisoning aboard a commercial aircraft. Eisenberg MS, et al. **Lancet** 2(7935):595–9, 27 Sep 75

HISTORY

Oswego County revisited. Gross M. **Public Health Rep** 91(2):168–70, Mar–Apr 76

MICROBIOLOGY

Staphylococcal food poisoning and botulism. Gilbert RJ. **Postgrad Med J** 50(588):603–11, Oct 74

OCCURRENCE

[Acute gastroenteritis caused by staphylococcal enterotoxin during air travel] Effersoe P, et al. **Ugeskr Laeger** 138(13):781–4, 22 Mar 76 (Eng. Abstr.) **(Dan)**

STAPHYLOCOCCAL INFECTIONS

see related
CROSS INFECTION

Staphylococcus aureus bacteremia. Current clinical patterns. Nolan CM, et al. **Am J Med** 60(4):495–500, Apr 76

Bullous impetigo. Occurrence of localized scalded skin syndrome in an adult. Elias PM, et al. **Arch Dermatol** 112(6):856–8, Jun 76

Staphylococcal infections: II. Food poisoning. **Br Med J** 4(5991):293, 1 Nov 75

Pyogenic infections of the sacro-iliac joint. Dunn EJ, et al. **Clin Orthop** (118):113–7, Jul–Aug 76

Toxic epidermal necrolysis (TEN; Ritter's disease) and staphylococcal scalded skin syndrome (SSSS). A description and review. Koblenzer PJ. **Clin Pediatr (Phila)** 15(8):724–30, Aug 76 (19 ref.)

Staphylococcal scalded skin syndrome in an adult. Achten G, et al. **Dermatologica** 151(6):342–8, 1975

Botryomycosis. Martin-Pascual A, et al. **Dermatologica** 151(5):302–8, 1975

Ophthalmia neonatorum in Mbale Hospital—Uganda. Otiti JM. **East Afr Med J** 52(11):644–7, Nov 75

Infection of intervertebral discs after operation. El-Gindi S, et al. **J Bone Joint Surg [Br]** 58(1):114–6, Feb 76

Letter: Sepsis and osteomyelitis due to Staphylococcus aureus phage type 94 in a neonatal intensive care unit. Rhodes PG, et al. **J Pediatr** 88(6):1063–4, Jun 76

Staphylococcal skin disease. Marriott PJ. **Nurs Times** 72(25):971–4, 24 Jun 76

Disk space infections in children. Boston HC Jr, et al. **Orthop Clin North Am** 6(4):953–64, Oct 75

Nosocomial staphylococcal cervical lymphadenitis in infants: report of an outbreak. Boyce JM, et al. **Pediatrics** 57(6):854–60, Jun 76

An unusual case of spontaneous bacterial myositis. Williams RH, et al. **Postgrad Med J** 51(594):255–7, Apr 75

The increased resistance of mice to experimental staphylococcal mastitis following inoculation of endotoxin. Anderson JC. **Res Vet Sci** 21(1):64–8, Jul 76

Staphylococcal septicemia: successful treatment of complications in a child. Poston JG, et al. **South Med J** 69(3):337–9, Mar 76

[A case of acute tropical myositis] Dubrisay J, et al. **Ann Med Interne (Paris)** 126(8–9):661–4, Aug–Sep 75 **(Fre)**

[Hospital infections - etiology and management. 2. Staphylococcal infections] Kawana R. **J Jpn Assoc Infect Dis** 49(10):407–8, Oct 74 **(Jpn)**

[Staphylococcal infections] Yoshioka H. **J Jpn Assoc Infect Dis** 49(11):423–5, Nov 74 **(Jpn)**

[Staphylococcal endocarditis] Ulianov M, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):501–5, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Burn wound and its role in the development of general infection process] Kaem RI, et al. **Khirurgiia (Mosk)** (2):28–32, Feb 76 (Eng. Abstr.) **(Rus)**

[Postoperative infection (literature survey)] Plotkina NS. **Khirurgiia (Mosk)** (11):141–8, Nov 75 **(Rus)**

[Septic shock in acute surgical infection in children] Kaplan VM. **Klin Khir** (8):1–4, Aug 75 (Eng. Abstr.) **(Rus)**

[Course of infection and reparative regeneration in the process of enzyme therapy of suppurative wounds] Gostishchev VK, et al. **Vestn Khir** 116(5):49–52, May 76 **(Rus)**

[Prevention and treatment of staphylococcal infections and their complications, in surgical practice with biological products] Prokhorov VM, et al. **Vestn Khir** 116(4):9–13, Apr 76 (Eng. Abstr.) **(Rus)**

[Infectious complications after heart surgery] Radzivil GG, et al. **Vestn Khir** 116(5):58–64, May 76 (Eng. Abstr.) **(Rus)**

[Cultivation of enterotoxigenic DNA-A20-positive Staphylococci from different sources] Paster EU, et al. **Vrach Delo** (10):140–3, Oct 75 (Eng. Abstr.) **(Rus)**

[Diagnosis and complex treatment of staphylococcal infections] Proskurov VA. **Vrach Delo** (2):137–40, Feb 74 (Eng. Abstr.) **(Rus)**

[Microbiologic characteristics of chronic tonsillitis in children] Berezhnyĭ VV, et al. **Pediatr Akush Ginekol** (6):17–9, Nov–Dec 75 **(Ukr)**

BLOOD

Neutrophil function in gram-negative rod bacteremia. The interaction between phagocytic cells, infecting organisms, and humoral factors. Weinstein RJ, et al. **J Clin Invest** 58(1):190–9, Jul 76

COMPLICATIONS

Selective immunoglobulin M (IgM) deficiency in two immunodeficient adults with recurrent staphylococcal pyoderma. Yocum MW, et al. **Am J Med** 60(4):486–94, Apr 76

Pyelo-ureteritis cystica associated with a urinary tract infection due to a coagulase-negative staphylococcus. Barratt LJ, et al. **Aust NZ J Med** 5(5):447–9, Oct 75

A case of septicaemia. **Br Med J** 1(6003):207–12, 24 Jan 76

Letter: Renal lesions in a case of septicaemia. Betteridge TJ, et al. **Br Med J** 1(6008):522, 28 Feb 76

A study of subcutaneous staphylococcal infection in alloxan diabetic mice. Sood U, et al. **Indian J Med Res** 63(11):1564–76, Nov 75

Experimental pyelonephritis—a histopathological study of blood borne and ascending patterns of infection. Prakash C, et al. **J Assoc Physicians India** 23(7):409–13, Jul 75

Staphylococcal toxic epidermal necrolysis: pathogenesis and studies on the subcellular site of action of exfoliatin. Elias PM, et al. **J Invest Dermatol** 65(6):501–12, Dec 75

A case of grossly infected fracture of the mandible. Hall TJ. **J R Nav Med Serv** 61(2):89–91, Summer 75

Letter: Septic thrombophlebitis of the coronary sinus in aucte bacterial endocarditis. Dryer R, et al. **Lancet** 2(7981):369, 14 Aug 76

Infections of the hand. Angel JC. **Nurs Times** 71(44):1734–5, 30 Oct 75

Staphylococcus aureus and Candida albicans infection (animal experiments). Staib F, et al. **Zentralbl Bakteriol [Orig A]** 234(4):450–61, May 76

Significance of beta-hemolytic staph. aureus as a pathogen to the bovine mammary gland. Naidu TG, et al. **Zentralbl Veterinaermed [B]** 22(4):308–17, Jun 75

[Case of septic form of anthrax with agranulocytosis] Zunić I, et al. **Lijec Vjesn** 97(9):516–8, Oct 75 (Eng. Abstr.) **(Cro)**

[Bacterial and parasitic etiologies in rheumatology] Richer G. **Biol Med (Paris)** (1):65–81, Dec 71–Jan 72 (38 ref.) **(Fre)**

[Pleuro-pulmonary staphylococcal infection due to heterogenous resistant staphylococcus aureus. Role of the medical bacteriological laboratory] Pesnel G, et al. **Nouv Presse Med** 4(32):2321–4, 4 Oct 75 (31 ref.) **(Fre)**

[Skin diseases caused by cocci] Pfrieme B. **Med Klin** 70(47):1928–31, 21 Nov 75 **(Ger)**

[Staphylogenic toxic epidermal necrolysis. II. Experimental STEN in vivo and in vitro] Fritsch P. **Z Hautkr** 50(12):513–32, 15 Jun 75 **(Ger)**

[Reiter's syndrome with staphylococcal pyodermitis] Colamussi V, et al. **Reumatismo** 24(2):155–7, Apr–Jun 72 **(Ita)**

[Course od acute purulent diseases in patients with diabetes mellitus] Blagosklonov AS, et al. **Khirurgiia (Mosk)** (2):23–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Certain immuno-allergic reactions in patients with aftereffects of epiphyseal osteomyelitis and their clinical significance] Sadovnik AP, et al. **Ortop Travmatol Protez** (8):55–6, Aug 75 **(Rus)**

[Meningitis of staphylococcal itiology in children] Timofeeva GA, et al. **Pediatriia** (1):19–24, Jan 76 (Eng. Abstr.) **(Rus)**

[Mondor's disease in the mother as a cause of staphylococcal infection in a child] Zorin PM, et al. **Pediatriia** (6):82, Jun 75 (Eng. Abstr.) **(Rus)**

[The role of staphylococcus infection in the incidence and course of purulent inflammatory complications of injuries of the mandible] Semenchenko GI, et al. **Stomatologiia (Mosk)** 54(5):23–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of disorder of the extra- and intraosseal blood supply of the mandible on the course of odontogenic infection under experimental conditions] Solov'ev MM, et al. **Stomatologiia (Mosk)** 55(1):16–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Role of pyococcal infection in the pathogenesis of ecematous mycoses of the feet] Khodiukov EIa. **Vestn Dermatol Venerol** (6):67–70, Jun 75 **(Rus)**

[Intracranial suppurative complications in acute purulent sinusitis] Nesterov DV, et al. **Vestn Otorinolaringol** (1):88–9, Jan–Feb 74 **(Rus)**

[Sudden infant death in staphylococcal larynogotracheitis] Puchkov GF. **Vestn Otorinolaringol** (5):71–3, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Biliary tract lesions in suppurative-septic diseases of infants during the first 3 months after birth] Tiurina NS, et al. **Vopr Okhr Materin Det** 19(1):56–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Peritonsillar abscess with multiple complications] Kitsera AE. **Zh Ushn Nos Gorl Bolezn** (2):118, Mar–Apr 75 **(Rus)**

[Our observations during a course of staphylococcal meningitis] Trajkov Lj, et al. **God Zb Med Fak Skopje** 21:453–8, 1975 **(Ser)**

[Glomerulonephritis following an infected ventriculoatrial shunt. Report of 2 cases] Vargas R, et al. **Bol Med Hosp Infant Mex** 33(1):101–12, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Teichoic acid antibodies in the diagnosis of serious infections with Staphylococcus aureus. Tuazon CU, et al. **Ann Intern Med** 84(5):543–6, May 76

Spinal epidural abscess in a five-week-old infant. A problem in diagnosis. Bock SA, et al. **Clin Pediatr (Phila)** 15(3):286–7, Mar 76

Pyogenic vertebral osteomyelitis. Ginder DR. **J Maine Med Assoc** 67(2):40–1, 51, Feb 76

Meningitis missed. Tintinalli JE. **JACEP** 5(5):334–8, May 76

Staphylococcal cervical adenitis in young infants. Hieber JP, et al. **Pediatrics** 57(3):424–6, Mar 76

Staphylococcal osteomyelitis, sepsis, and pulmonary disease. Observations of 10 patients with combined osseous and pulmonary infections. Felman AH, et al. **Radiology** 117(3 Pt 1):649–55, Dec 75

[Staphylogenic toxic epidermal necrolysis. I. Disease and symptoms] Fritsch P. **Z Hautkr** 50(11):477–89, 1 Jun 75 **(Ger)**

[Value of determination of antistaphylolysins in the diagnosis of staphylococcal infections] Chipail A, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(3):211–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Clinical aspects and treatment of chronic tonsillogenic staphylococcal intoxication in preschool and schoolchildren] Berezhnoĭ VV, et al. **Pediatr Akush Ginekol** (1):18–20, Jan–Feb 75 **(Rus)**

[Diagnosis of dysbacteriosis in infants] Derhil'ova MP. **Pediatr Akush Ginekol** (5):15–6, 1975 **(Rus)**

[Clinical classification of intestinal staphylococcal infection in young children] Kapkova ZI. **Pediatriia** (1):24–6, Jan 76 **(Rus)**

[AST- and ASTA-determinations in internal medicine—to any help?] Hallander H, et al. **Lakartidningen** 73(7):505–7, 11 Feb 76 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Intravitreal injection of vancomycin in experimental staphylococcal endophthalmitis. Homer P, et al. **Acta Ophthalmol (Kbh)** 53(3):311–20, Jun 75

Intravitreal oxacillin in experimental staphylococcal endophthalmitis. Kasbeer RT, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):279–86, 5 Sep 75

Clindamycin therapy of Staphylococcus aureus endocarditis. Clinical relapse and development of resistance to clindamycin, lincomycin and erythromycin. Watanakunakorn C. **Am J Med** 60(3):419–25, Mar 76

The effect of corticosteroids in the treatment of experimental bacterial endophthalmitis. Baum JL, et al. **Am J Ophthalmol** 80(3 Pt 2):513–5, Sep 75

Intravitreal erythromycin in the treatment of induced staphylococcal endophthalmitis. Meisels HI, et al. **Ann Ophthalmol** 8(8):939–43, Aug 76

Staphylococci in community-acquired infections: Increased resistance to penicillin. Hughes GB, et al. **Ann Surg** 183(4):355–7, Apr 76

Nafcillin treatment of Staphylococcus aureus meningitis. Ruiz DE, et al. **Antimicrob Agents Chemother** 9(3):554–5, Mar 76

Letter: Staphylococcal toxic epidermal necrolysis. Koblenzer PJ. **Arch Dermatol** 111(8):1074, Aug 75

Letter: Staphylococcal toxic epidermal necrolysis. Rasmussen JE. **Arch Dermatol** 111(8):1073, Aug 75

Combination antibiotic therapy in staphylococcal endocarditis. The use of methicillin sodium-gentamicin sulfate therapy. Murray HW, et al. **Arch Intern Med** 136(4):480–3, Apr 76

Fosfomycin in Osteomyelitis. Fernandez-Valencia JE, et al. **Chemotherapy** 22(2):121–34, 1976

Comparative studies of the activity of ciclacillin and dicloxacillin. Mückter H, et al. **Chemotherapy** 22(3–4):183–9, 1976

Amide Penicillin Wy-12,556: therapeutic activity in animals subjected to repeated bacterial infection. Yurchenco JA, et al. **Chemotherapy** 22(3–4):232–41, 1976

Intravenous fusidic acid ('Fucidin') in the management of severe staphylococcal infections: a review of 46 cases. Menday AP, et al. **Curr Med Res Opin** 4(2):132–8, 1976

Clinical evaluation of parenteral dicloxacillin. Deresinski SC, et al. **Curr Ther Res** 18(1 pt 2):151–62, Jul 75

Double-blind comparison of cephradine and cephalexin in the treatment of skin and soft-tissue infections due to Staphylococcus aureus. Hubsher JA, et al. **Curr Ther Res** 19(6):579–88, Jun 76

Rifampicin sensitivity of clinical staphylococcal strains and the development of resistance during rifampicin therapy. pp. 265–8. Samoilova LN, et al. **In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.**

Clinical experience in the treatment of staphylococcal

septicemias in orpthopedic patients. pp. 137–41. Tsekos GN, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Nafcillin–gentamicin synergism in experimental staphylococcal endocarditis. Sande MA, et al. **J Lab Clin Med** 88(1):118–24, Jul 76

Decadron in the treatment of cerebral abscess. An experimental study. Quartey GR, et al. **J Neurosurg** 45(3):301–10, Sep 76

Subtherapeutic dicloxacillin levels in a neonate: possible mechanisms. Schwartz GJ, et al. **J Pediatr** 89(2):310–2, Aug 76

Prosthesis endocarditis: treatment of a case occurring five years after a Rastelli–Ross operation. Thompson J, et al. **J Thorac Cardiovasc Surg** 72(1):28–32, Jul 76

Failure of vancomycin treatment in Staphylococcus aureus endocarditis. In vivo and in vitro observations. Gopal V, et al. **JAMA** 236(14):1604–6, 4 Oct 76

Cross–infection: changes in staphylococcal infections and new anti–staphylococcal antibiotics. Lacey RW. **Nurs Times** 72(9):327–9, 4 Mar 76

Chlorhexidine: a hexachlorophane substitute in the nursery. Maloney MH. **Nurs Times** 71(37):21, 11 Sep 75

Hibiscrub in the control of staphylococcal infection in neonates. Tuke W. **Nurs Times** 71(37):20, 11 Sep 75

Severe staphylococcal sepsis in adolescents. Shulman ST, et al. **Pediatrics** 58(1):59–66, Jul 76

An investigation of antibiotic resistance of Staphylococcus aureus in general practice. Manners BT, et al. **Practitioner** 216(1294):439–42, Apr 76

Antibiotics in the treatment of chronic staphylococcal osteomyelitis. Hodgin UG Jr. **South Med J** 68(7):817–23, Jul 75

Staphylococcal myositis in a compromised host. Successful treatment with the synergistic combination of nafcillin and gentamicin. Jordan GW, et al. **West J Med** 124(2):140–3, Feb 76

[Methicillin– and cephalosporin–resistant staphylococcal infections as a problem in clinical microbiology] Jokipii AM, et al. **Duodecim** 91(13):816–9, 1975 (Eng. Abstr.) **(Fin)**

[Antistaphylococcal activity of gentamicin] Rosaschino F. **Minerva Med** 66(84):4505–26, 8 Dec 75 (171 ref.) (Eng. Abstr.) **(Ita)**

[Rifampicin group antibiotics in the treatment of staphylococcal septicemia in children] Bieniek B, et al. **Pol Tyg Lek** 31(20):833–5, 17 May 76 (Eng. Abstr.) **(Pol)**

[Aimed chemotherapy in ambulatory treatment of infected wounds and primary suppurative skin lesions] Prochowski L. **Przegl Epidemiol** 30(2):187–91, 1976 (Eng. Abstr.) **(Pol)**

[Functional state of the adrenal cortex in the antibiotic therapy of experimental staphylococcal infection] Loginov AV, et al. **Antibiotiki** 21(7):631–6, Jul 76 (Eng. Abstr.) **(Rus)**

[Ampicillin in pediatric practice] Kaganov SIu, et al. **Pediatriia** (4):73–6, Apr 75 **(Rus)**

[Endogenic infectious diseases and and prospects of their treatment] Bilibin AF, et al. **Ter Arkh** 47(8):9–18, 1975 **(Rus)**

[Use of chlorophilliptum in otorhinolaryngologic diseases of staphylococcal etiology] Rodin VI, et al. **Zh Ushn Nos Gorl Bolezn** (6):79–82, Nov–Dec 75 **(Rus)**

[Susceptibility of 609 strains of Staphylococcus aureus, isolated during 1973–1974 from various infectious processes in children, to various antibiotics] Filloy L, et al. **Bol Med Hosp Infant Mex** 33(2):473–9, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Effect of combined action of streptomycin with other antimicrobial preparations in experimental staphylococcal infection of albino mice] Diachenko IuV, et al. **Mikrobiol Zh** 37(5):619–23, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

ETIOLOGY

Staphylococcal endocarditis in drug users. Clinical and microbiologic aspects. Tuazon CU, et al. **Arch Intern Med** 135(12):1555–61, Dec 75

Perichondritis of the ear as a complication of acupuncture. Baltimore RS, et al. **Arch Otolaryngol** 102(9):572–3, SEP 76

Neutrophil pyruvate kinase deficiency with recurrent staphylococcal infections: first reported case. Burge PS, et al. **Br Med J** 1(6012):742–5, 27 Mar 76

Bacterial endocarditis after cardiac catheterization. Mason JW, et al. **Chest** 70(2):293–6, Aug 76

Pathogenesis of staphylococcal infections. pp. 131–6. Morse SI.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989a 1973. (21 ref.)

Pathogenesis of staphylococcal infections of the skin. Singh G. **Int J Dermatol** 14(10):755–60, Dec 75 (9 ref.)

Septic thrombosis following subclavian vein catheterization. Faden H, et al. **J Pediatr** 88(5):895–6, May 76

Neonatal staphylococcal enterocolitis: association with indwelling feeding catheters and S. aureus colonization. Gutman LT, et al. **J Pediatr** 88(5):836–9, May 76

Relevance of 'significant bacteriuria' to aetiology and diagnosis of urinary–tract infection. Tapsall JW, et al. **Lancet** 2(7936):637–9, 4 Oct 75

Infection after total knee arthroplasty. Petty W, et al. **Orthop Clin North Am** 6(4):1005–14, Oct 75

[Pulmonary and mitral endocarditis caused by Staphylococcus aureus in a heroin addict] Laurent M, et al. **Acta Clin Belg** 31(3):144–52, 1976 (Eng. Abstr.) **(Fre)**

[Cause of suppurative complications during operations with extracorporeal circulation and their prevention] Sidarenko LN, et al. **Grudn Khir** (1):15–21, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Odontogenic staphylococcus sepsis] Orlenko MA, et al. **Stomatologiia (Mosk)** 54(6):81–2, Nov–Dec 75 **(Rus)**

[A method of reproduction in mice of chronic sacculated staphylococciasis the deeply tissues] Anikina TA. **Zh Mikrobiol Epidemiol Immunobiol** (5):119–23, May 75 (Eng. Abstr.) **(Rus)**

[Effect of a chronic iodine deficit in the ration on the development of the infectious process] Zel'tser ME. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):116–9, Sep 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The role of complement, immunoglobulin and bacterial antigen in coagulase–negative staphylococcal shunt nephritis. Dobrin RS, et al. **Am J Med** 59(5):660–73, Nov 75

Recurrent staphylococcal abscesses associated with defective neutrophil chemotaxis and allergic rhinitis. Hill HR, et al. **Ann Intern Med** 85(1):39–43, Jul 76

Suppression of pulmonary antibacterial activity following Sendai virus infection in mice: dependence on virus dose. Jakab GJ. **Arch Virol** 48(4):385–90, 1975

Rheumatoid factor in acute bacterial endocarditis. Sheagren JN, et al. **Arthritis Rheum** 19(5):887–90, Sept–Oct 76

Antibody mediated injury to pancreas & susceptibility to infections. Sarda S, et al. **Indian J Exp Biol** 13(6):527–31, Nov 75

Comparison of subcutaneous and intraperitoneal staphylococcal infections in normal and complement–deficient mice. Easmon CS, et al. **Infect Immun** 13(2):399–406, Feb 76

Staphylococcal scalded–skin syndrome: development of a primary binding assay for human antibody to the exfoliative toxin. Wiley BB, et al. **Infect Immun** 13(2):513–20, Feb 76

Defect in intracellular killing of Staphylococcus aureus within alveolar macrophages in Sendai virus–infected murine lungs. Jakab GJ, et al. **J Clin Invest** 57(6):1533–9, Jun 76

Enhanced host defense mechanisms with levamisole in suckling rats. Fischer GW, et al. **J Infect Dis** 132(5):578–81, Nov 75

Staphylococcal toxic epidermal necrolysis: species and tissue susceptibility and resistance. Elias PM, et al. **J Invest Dermatol** 66(02):80–9, Feb 76

Transformation of lymphocytes in patients with certain bacterial infections. Wagnerová M, et al. **Med Microbiol Immunol (Berl)** 161(4):273–7, 19 Sep 75

[Anti–infective antigen of non–capsulated Staphylococcus aureus strains] Ichihata Y, et al. **Jpn J Bacteriol** 30(1):196, Jan 75 **(Jpn)**

[Host resistance against Staphylococcus aureus CH–91 stain in sensitized mice] Takeuchi M, et al. **Jpn J Bacteriol** 30(1):197, Jan 75 **(Jpn)**

[Delayed hypersensitivity and infection defense mechanism (author's transl)] Tokuda Y. **Jpn J Dermatol** 85(12):692–5, Oct 75 **(Jpn)**

[Significance of indicators of autoflora of the skin in development of immunologic reaction in stapylococcosis] Anikina TP, et al. **Klin Med (Mosk)** 54(2):113–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Staphylococcal antitoxin as an indicator of humoral specific immunity in different forms of staphylococcal diseases in children] Ostrovskiĭ AD. **Pediatriia** (1):38, Jan 74 **(Rus)**

[Resistivity to staphylococcal infection in multiple injuries of the soft tissues] Kozlitskiĭ AP. **Voen Med Zh** (10):25–8, Oct 75 **(Rus)**

[Glomerulonephritis caused by immunocomplexes in staphylococcal endocarditis] Llorach Gaspar M, et al. **Rev Clin Esp** 138(3):271–4, 15 Aug 75 **(Spa)**

[Immunity indices under immunotherapy of surgical staphylococcal infection in children] Babii ZM, et al. **Mikrobiol Zh** 37(4):476–81, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Klebsiella pneumoniae and Staphylococcus aureus infection in mice: difference in uremia and ammoniagenesis. Walker RI, et al. **Infect Immun** 12(3):571–5, Sep 75

[Changes in electrolytes, blood proteins and acid–base equilibrium in staphylococcal lung destruction in children and certain ways of their correction] Novikov BF, et al. **Vopr Okhr Materin Det** 20(12):40–2, Dec 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Nursery outbreak of scalded–skin syndrome. Scarlatiniform rash due to phage group I Staphylococcus aureus. Faden HS, et al. **Am J Dis Child** 130(3):265–8, Mar 76

Central corneal abscess. van Bijsterveld OP. **Am J Ophthalmol** 81(5):616–21, May 76

Susceptibility of clinical isolates of Staphylococcus aureus to killing by oxacillin. Best GK, et al. **Can J Microbiol** 21(11):1692–7, Nov 75

Antibiotic susceptibilities of 120 strains of Staphylococcus aureus isolated from patients at a Children's Hospital. Decline of hospital staphylococci as compared with staphylococci in outpatients. A reversal. Yoshioka H, et al. **Clin Pediatr (Phila)** 15(5):428–31, May 76

Subcutaneous multiplication of exfoliatin–producing staphylococci. Kapral FA. **Infect Immun** 13(3):682–7, Mar 76

Efficacy of phage typing epidemiologically related Staphylococcus epidermidis strains. Blouse L, et al. **J Clin Microbiol** 2(4):318–21, Oct 75

Simplified scheme for routine identification of human Staphylococcus species. Kloos WE, et al. **J Clin Microbiol** 1(1):82–8, Jan 75

Virulence factors of biotypes of Staphylococcus epidermidis from clinical sources. Males BM, et al. **J Clin Microbiol** 1(3):256–61, Mar 75

Experiences and observations with the typing of Staphylococcus aureus phage 94. Marraro RV, et al. **J Clin Microbiol** 1(2):180–4, Feb 75

Isolation and characterization of a catalase–negative strain of Staphylococcus aureus. Tu KK, et al. **J Clin Microbiol** 3(1):77–8, Jan 76

The relevance of growth rates in urine to the pathogenesis of urinary–tract infections due to Micrococcus subgroup 3 (Staphylococcus saprophyticus biotype 3). Anderson JD, et al. **J Med Microbiol** 9(3):317–23, Aug 76

Epidemic infection by a gentamicin–resistant Staphylococcus aureus in three hospitals. Speller DC, et al. **Lancet** 1(7957):464–6, 28 Feb 76

Letter: Penicillin–resistant staphylococcus aureus Block CS, et al. **S Afr Med J** 50(31):1192, 17 Jul 76

Phylcytenular kerotoconjunctivitis with special reference to the staphylococcal type. Ostler HB, et al. **Trans Pac Coast Otoophthalmol Soc** 55:237–52, 1974

[Possible pathogenicity of Staphylococcus albus] Modde H. **Rev Med Suisse Romande** 95(3):225–33, Mar 75 **(Fre)**

[Serological studies on Staph. aureus strains from various processes of a disease of human origin (author's transl)] Oehring H, et al. **Zentralbl Bakteriol [Orig A]** 230(1):15–27, Jan 75 (Eng. Abstr.) **(Ger)**

[Characteristics of biological activity of staphylococci isolated from sick children and carriers] Ostrovskiĭ AD. **Lab Delo** (4):229–31, 1975 **(Rus)**

[Etiological role of nonspecific microflora in bronchopulmonary pathology (based on bacteriological and immunological data)] Filippov VP, et al. **Probl Tuberk** (9):23–8, 1975 (Eng. Abstr.) **(Rus)**

[Role of staphylococcal infection in chronic purulent otitis media] Ivanova SP. **Vestn Otorinolaringol** (1):27–30, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Sensitivity of microflora of the middle ear to penicillin in patients with chronic purulent otitis media] Tarasov DI, et al. **Vestn Otorinolaringol** (5):5–8, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Relation of intrahospital morbidity from staphylococcal infections to some properties of hospital strains] Ankirskaia AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):113–6, Aug 75 (Eng. Abstr.) **(Rus)**

[Changes in the ultrastructure of staphylococci in kidney tissue in experimental infection] Bykov AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):95–9, Jul 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the causative agents of different forms of intrahospital staphylococcal infection] Khatenever ML, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):128–9, Oct 75 **(Rus)**

[Staphylococcal phage types isolated from children] Ostrovskiĭ AD. **Zh Mikrobiol Epidemiol Immunobiol** (3):139–40, 1976 **(Rus)**

[Phage typization of Staphylococcus aureus strains from staphylococcic mastitis of dairy cows] Havelka B, et al. **Vet Med (Praha)** 20(8):471–6, Aug 75 (Eng. Abstr.) **(Slo)**

[Phage typing of strains of Staphylococcus aureus from staphylococcal mastitis of dairy cows] Havelka B, et al. **Vet Med (Praha)** 20(10):471–6, Aug 75 (Eng. Abstr.) **(Slo)**

[Experimental infection caused by an association of cultures of a fungus of the genus Candida and Staphylococcus] Mikhno IL, et al. **Med Educ** 38(2):188–96, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Various biological properties and sensitivity to medicinal preparations of staphylococci isolated from patients with traumatic osteomyelitis of the mandible] Diachenko IuV, et al. **Mikrobiol Zh** 37(4):487–91, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

[Phage group affinity of staphylococci isolated from inflammatory–purulent lesions and the formation of enterotoxin] Paster EU, et al. **Mikrobiol Zh** 36(3):319–22, May–Jun 74 (Eng. Abstr.) **(Ukr)**

MORTALITY

The outcome of staphylococcal bacteremia in childhood. 'The prognosis is better than previously reported'. David C, et al. **Clin Pediatr (Phila)** 15(3):273–5, 278–9, Mar 76

Effects of BCG, Corynebacterium parvum, and methanol–extration residue in the reduction of mortality from Staphylococcus aureus and Candida albicans infections in immunosuppressed mice. Sher NA, et al. **Infect Immun** 12(6):1325–30, Dec 75

OCCURRENCE

Wound infections in general surgery. Wound contamination, rates of infection and some consequences. Bröte L, et al. **Acta Chir Scand** 142(2):99–106, 1976

Clinical, epidemiologic and bacteriologic observations of an outbreak of methicillin–resistant Staphylococcus aureus at a large community hospital. Klimek JJ, et al. **Am J Med** 61(3):340–5, Sep 76

Carriage patterns of Staphylococcus aureus in a healthy non–hospital population of adults and children. Armstrong–Esther CA. **Ann Hum Biol** 3(3):221–7, May 76

Toxic epidermal necrolysis. A review of 75 cases in children. Rasmussen JE. **Arch Dermatol** 111(9):1135–9, Sep 75

Some observations on neonatal staphylococcal carriage with special reference to hospital environment. Talib VH, et al. **Indian Pediatr** 13(2):89–96, Feb 76

Endemicity of multiple staphylococcal phage types: relation of two common source outbreaks. Gross PA, et al. **Nephron** 16(6):462–71, 1976

A sequential study of various modes of skin and umbilical care and the incidence of staphylococcal colonization and infection in the neonate. Johnson JD, et al. **Pediatrics** 58(3):354–61, Sep 76

Wound infections in general surgery with special reference to the occurrence of Staphylococcus aureus. Bróte L, et al. **Scand J Infect Dis** 8(2):89–97, 1976

[Epidemiology of S. aureus cross–infections in dermatological wards] Barrière H, et al. **Rev Epidemiol Sante Publique** 24(2):151–64, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Staphylococcal infections in the Cluj–Napoca Clinic of Infectious Diseases during the years 1967–1972] Gavrilă I, et al. **Rev Ig [Bacteriol]** 21(2):73–8, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Letter: Renal lesions in a case of septicaemia. Dixon MF. **Br Med J** 1(6015):957, 17 Apr 76

Pathogenesis of experimental mastitis in the mouse caused by a strain of Staphylococcus aureus of low virulence and its modification by endotoxin. Anderson JC. **J Comp Pathol** 85(4):531–8, Oct 75

Experimental Staphylococcal mastitis in the mouse. Histological, ultrastructural and bacteriological changes caused by a virulent strain of Staphylococcus aureus. Anderson JC, et al. **J Comp Pathol** 85(4):499–510, Oct 75

Staphylococcal scalded skin syndrome. An ultrastructural study. de Dobbeleer G, et al. **J Cutan Pathol** 2(2):91–8, 1975

Letter: Idiopathic cervical infections in children. Brook AH, et al. **J Dent Child** 43(1):14, Jan–Feb 76

Action of staphylococcal epidermolytic toxin on mouse skin: an electron microscopic study. McLay AL, et al. **J Invest Dermatol** 65(5):423–8, Nov 75

[Effect of experimental staphylococcemia on rabbit central nervous system at selected developmental periods] Wilmowska–Pietruszyńska A. **Neuropatol Pol** 14(2):231–44, Apr–Jun 76 (Eng. Abstr.) **(Pol)**

[Electron–microscopic examination in experimental staphylococcal endometritis] Krasovskiĭ EB, et al. **Akush Ginekol (Mosk)** (5):43–5, May 75 (Eng. Abstr.) **(Rus)**

[Reaction of rat embryo tissues to mechanical trauma and to infection with Staphylococcus aureus (strain 209)] Belen'kaia SI. **Biull Eksp Biol Med** 80(7):115–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Chronic renal failure, pneumopathy and sepsis] **Medicina (B Aires)** 35(3):291–304, May–Jun 75 **(Spa)**

PHYSIOPATHOLOGY

The role of leukocytes and their hydrolases in the persistence, degradation, and transport of bacterial constituents in tissues: relation to chronic inflammatory processes in staphylococcal, streptococcal, and mycobacterial infections and in chronic periodontal disease. Ginsburg I, et al. **CRC Crit Rev Microbiol** 4(3):249–322, Mar 76

The effects of Staphylococcus aureus and Klebsiella pneumoniae peritonitis in mice exposed to normal and hypoxic conditions on red cell oxygen transport function. Walker R, et al. **J Med** 6(2):113–20, 1975

[Biology and biomechanics of infected osteosyntheses] Rittmann WW, et al. **Fortschr Kiefer Gesichtschir** 19:48–50, 1975 **(Ger)**

[Electrocardiographic changes in staphylococcal sepsis in young children] Voloshanskaia NV. **Pediatr Akush Ginekol** (2):27–9, Mar–Apr 76 **(Ukr)**

PREVENTION & CONTROL

Preventive effects of trimethoprim/sulphamethoxazole on experimental staphylococcic pyelonephritis in rats. Obek A, et al. **Chemotherapy** 21(2):67–72, 1975

Cephalothin prophylaxis assay during cardiopulmonary bypass. Williams DJ, et al. **J Thorac Cardiovasc Surg** 71(2):207–11, Feb 76

Letter: Antibiotics and wound sutures. Hardy RH. **Lancet** 1(7954):316, 7 Feb 76

Letter: Staphylococcal infection in the newborn. Scopes JW, et al. **Lancet** 2(7893):1392, 7 Dec 74

Control of bacterial infection in the nursery. Kandall SR. **Pediatr Ann** 5(2):48–61, Feb 76

Intraoperative antibiotics in the prevention of experimental dacron graft infection. Parsa F, et al. **Vasc Surg** 10(2):64–71, Mar–Apr 76

[Quantitative bacteriological evaluation of intraoperative peritoneal lavage in animal experiment] Meissner Fv, et al. **Langenbecks Arch Chir** Suppl:447–50, 1975 (Eng. Abstr.) **(Ger)**

[Prevention of staphylococcal diseases in maternity hospitals] Skala LE, et al. **Akush Ginekol (Mosk)** (11):70–3, Nov 75 **(Rus)**

[Influence of biostimulators on the staphylococcal immunity in chronic diseases of the genital organs] Vorontsov AA, et al. **Akush Ginekol (Mosk)** (12):44–7, Dec 75 (Eng. Abstr.) **(Rus)**

[Antitoxic effect of proteolytic enzymes used in surgery] Gostishev VK, et al. **Eksp Khir Anesteziol** (3):50–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Prevention of postoperative suppurative complications by intensive therapy] Guseva EV, et al. **Khirurgiia (Mosk)** (11):21–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Pyosurgery departments in a multiprofile pediatric–surgery hospital] Misharev OS, et al. **Vestn Khir** 115(12):96–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Immunoglobulins and staphylococcal antitoxin in the sera of patients subjected to surgery for acute appendicitis] Nurmanbetora UE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):77–86, Nov 75 (Eng. Abstr.) **(Rus)**

[Effect of immunization of pregnant women with staphylococcal toxoid on the immunologic status of the child] Prozorovskaia KN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):101–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Molecular heterogeneity of endotoxin preparations of the typhoid–paratyphoid group of bacteria. V. Induction of non–specific resistance to the action of bacterial toxins by high–molecular and low–molecular fractions] Shapiro NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):120–1, Apr 76 **(Rus)**

RADIOGRAPHY

[Hydatidosis and pulmonary staphylococcosis in the child] Gharbi HA, et al. **Ann Radiol (Paris)** 18(4):439–45, May–Jun 75 **(Eng, Fre)**

SURGERY

Lavage of septic joints in rabbits: effects of chondrolysis. Daniel D, et al. **J Bone Joint Surg [Am]** 58(3):393–5, Apr 76

Surgical management of staphylococcal pericarditis. Cameron EW. **Thorax** 30(6):678–81, Dec 75

[Thoracotomy in the acute phase of pleuro–pulmonary staphylococcal infections in young infants and children (author's transl)] Ribet M, et al. **Ann Chir Thorac Cardiovasc** 15(1):35–40, Jan 76 (Eng. Abstr.) **(Fre)**

[Staphylococcal destruction of the lungs in children] Kovalenko PP, et al. **Grudn Khir** (3):50–3, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Lobectomy in a newborn male infant for staphylococcal destruction of the lung] Ievlev VS. **Vestn Khir** 115(10):90–91, OCT 75 **(Rus)**

THERAPY

Therapy of Staphylococcus aureus bacteremia associated with a removable focus of infection. Iannini PB, et al. **Ann Intern Med** 84(5):558–60, May 76

Treatment of infected cardiac pacemaker site with closed irrigation. Report of case and subject review. Contarini O, et al. **J Fla Med Assoc** 63(5):349–50, May 76

Treatment of infections occurring in total hip surgery. Coventry MB. **Orthop Clin North Am** 6(4):991–1003, Oct 75

[Direct blood transfusions from immunized donors in purulent infections of children] Doletskiĭ SIa, et al. **Khirurgiia (Mosk)** (2):19–23, Feb 76 (Eng. Abstr.) **(Rus)**

[Perspectives of use of hyperimmune antistaphylococcal plasma in severe burn infection] Panova IuM, et al. **Khirurgiia (Mosk)** (2):33–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Antistaphylococcal gamma globulin in the treatment of diseases of staphylococcal etiology] Karnitskaia NV, et al. **Klin Med (Mosk)** 53(11):106–9, Nov 75 **(Rus)**

[Age aspects of remote outcome of acute lung suppuration] Muromskiĭ IuA, et al. **Vestn Khir** 116(2):25–32, Feb 76 (Eng. Abstr.) **(Rus)**

[Treatment of post–traumatic osteomyelitis of the ong tubular bones with antistaphylococcal plasma] Okhotskiĭ VP, et al. **Vestn Khir** 114(1):68–71, Jan 75 (Eng. Abstr.) **(Rus)**

[Experience in treating staphylococcal destruction of the lungs in children] Tikhonenko MM, et al. **Vestn Khir** 115(10):80–84, OCT 75 (Eng. Abstr.) **(Rus)**

[Complex treatment of pulmonary–pleural forms of staphylococcal suppuration in children] Besser IuV. **Vopr Okhr Materin Det** 20(12):36–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Specific hyposensitizing therapy of chronic staphylococcal skin diseases] Fedotov VP. **Vrach Delo** (10):130–3, Oct 75 (Eng. Abstr.) **(Rus)**

[Clinical aspects and treatment of puerperal and postabortion staphylococcal sepsis] Kuznetsova VI, et al. **Pediatr Akush Ginekol** :55–8, May–Jun 76 **(Ukr)**

TRANSMISSION

Airborne infection in a fully air–conditioned hospital. IV. Airborne dispersal of Staphylococcus aureus and its nasal acquisition by patients. Lidwell OM, et al. **J Hyg (Camb)** 75(3):445–74, Dec 75

Cross–infection: the danger of scaly skin. Tring FC. **Nurs Times** 72(9):330–1, 4 Mar 76

[Dissemination of the staphylococcal carrier state] Usachev GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):121–2, Dec 75 **(Rus)**

[Biological characters of Staphylococcus isolated from food handlers] Torres AR, et al. **Rev Sanid Hig Publica (Madr)** 48(12):1139–59, Dec 74 (Eng. Abstr.) **(Spa)**

[Small wound—big effect] Werkö L. **Lakartidningen** 73(4):201–2, 21 Jan 76 **(Swe)**

VETERINARY

Epizootic staphylococcal infections in subhuman primates after surgical operation. Blouse LE, et al. **Am J Vet Res** 37(6):731–3, Jun 76

Conversion of chronic staphylococcal mastitis to acute gangrenous mastitis after neutropenia in blood and bone marrow produced by an equine anti–bovine leukocyte serum. Schalm OW, et al. **Am J Vet Res** 37(8):885–90, Aug 76

Staphylococcus aureus infections of captive dolphins (Tursiops truncatus) and oceanarium personnel. Streitfeld MM, et al. **Am J Vet Res** 37(3):303–5, Mar 76

Editorial: Staphylococcal mastitis. **Br Vet J** 132(3):227–8, May–Jun 76

Mechanisms of staphylococcal virulence in relation to bovine mastitis. Anderson JC. **Br Vet J** 132(3):229–45, May–Jun 76 (171 ref.)

Experimental staphylococcal mastitis in the mouse. A morphometric study of early changes in mammary gland structure. Reid IM, et al. **J Comp Pathol** 86(2):329–36, Apr 76

Disseminated staphylococcal disease in laboratory rabbits (Oryctolagus cuniculus). Snyder SB, et al. **Lab Anim Sci** 26(1):86–8, Feb 76

The effect of intramuscular and intramammary vaccination of cows on antibody levels and resistance to intramammary infection by Staphylococcus aureus. Brock JH, et al. **Res Vet Sci** 19(2):152–8, Sep 75

Staphylococcal septicemia in puppies (a case report). Olson PS. **Vet Med Small Anim Clin** 70(10):1159, Oct 75

[Differentiation of staphylococci isolated from chickens] Ginzburg VV. **Veterinariia** (8):32–4, Aug 75 **(Rus)**

STAPHYLOCOCCAL NUCLEASE see **MICROCOCCAL NUCLEASE**

STAPHYLOCOCCAL PHAGES

A comparison of antigenic structure and phage pattern with biochemical properties of Staphylococcus aureus strains isolated from sheep. Oeding P, et al. **Acta Pathol Microbiol Scand [B]** 84(1):61–5, Feb 76

Phage group II staphylococcal strains with chromosomal and extrachromosomal genes for exfoliative toxin production. Rogolsky M, et al. **Infect Immun** 13(1):44–52, Jan 76

Experiences and observations with the typing of Staphylococcus aureus phage 94. Marraro RV, et al. **J Clin Microbiol** 1(2):180–4, Feb 75

Phage typing of Staphylococcus epidermidis. Talbot HW Jr, et al. **J Clin Microbiol** 3(5):519–23, May 76

A bacteriophage S1 derivative that transduces tetracycline resistance to Staphylococcus aureus. Inoue M, et al. **Virology** 68(2):544–6, Dec 75

Recombination between phage S1 and the TC–resistant gene on Staphylococcus aureus plasmid. Inoue M, et al. **Virology** 72(2):322–9, 15 Jul 76

Characterisation of the strains of staphylococci isolated from osteomyelitic infections and surviving the complex therapy 1. Sensitivity of the staphylococcal strains to antibiotics and phages. Pillich J, et al. **Zentralbl Bakteriol [Orig A]** 233(3):296–304, Nov 75

[Isolation and identification of new 'Staphylococcus aureus' bacteriophage (author's transl)] Daza RM, et al. **Ann Microbiol (Paris)** 125B(1):119–22, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Sensitivity to the lethal action of UV rays of a Staphylococcus aureus strain in relation to the number of prophages present] Karska–Wysocki B, et al. **Rev Can Biol** 32(3):151–6, Sep 73 (Eng. Abstr.) **(Fre)**

[Effect of murein preparations in the phage inhibition test. Kinetic studies] Beige U, et al. **Z Allg Mikrobiol** 15(5):315–21, 1975 **(Ger)**

[Capsule formation in Staphylococcus aureus as a reason for nontypability by phages (author's transl)] Witte W. **Zentralbl Bakteriol [Orig A]** 233(4):447–51, Dec 75 (Eng. Abstr.) **(Ger)**

[Purification of staphylokinase produced by lysogeny by phage phi 2] Fujise K, et al. **Jpn J Bacteriol** 30(1):142, Jan 75 **(Jpn)**

[Application of staphylococcal phage typing to clinical epidemiology (author's transl)] Ishii T, et al. **Jpn J Clin Pathol** 23(8):594–8, Aug 75 **(Jpn)**

[Sensitivity of Staphylococcus aureus to staphylococcinogenic strains and staphylococcal phages] Kowalska D. **Med Dosw Mikrobiol** 27(3):205–14, 1975 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

New bacteriophages of Staphylococcus epidermidis. Pulverer G, et al. **J Infect Dis** 132(5):524–31, Nov 75

DRUG EFFECTS

Staphylococcal polysaccharide products inhibitory to Staphylococcus aureus bacteriophage. Scheer ER, et al. **Can J Microbiol** 21(8):1178–84, Aug 75

Integration of the erythromycin (ero) resistance gene of a staphylococcal plasmid into S1ppen.ion phage. Inoue M, et al. **Virology** 73(1):295–8, Aug 76

GROWTH & DEVELOPMENT

Enhancement of plaque size of a staphylococcal phage. Qanber Agha A, et al. **J Appl Bacteriol** 40(1):109–10, Feb 76

Thymineless bacteriophage induction in Staphylococcus aureus. II. Specific transduction of constitutive and inducible erythromycin resistance. Lindberg M, et al. **J Virol** 16(6):1367–74, Dec 75

Thymineless bacteriophage induction in Staphylococcus aureus. I. High-frequency transduction with lysates containing a bacteriophage related to bacteriophage phi 11. Rudin L, et al. **J Virol** 16(6):1357–66, Dec 75

IMMUNOLOGY

In vitro human reactivity to staphylococcal phage lysate. Dean JH, et al. **J Immunol** 115(4):1060–4, Oct 75

METABOLISM

Alterations in the composition and bacteriophage-binding properties of walls of Staphylococcus aureus H grown in continuous culture in simplified defined media. Archibald AR, et al. **Biochim Biophys Acta** 406(1):60–7, 16 Sep 75

PHYSIOLOGY

Prophage-dependent plasmid integration in Staphylococcus aureus. Schwesinger MD, et al. **J Bacteriol** 123(2):724–38, Aug 75

Genetic map of the Staphylococcal bacteriophage phi11. Kretschmer PJ, et al. **J Virol** 16(3):642–51, Sep 75

Indirect induction of a Staphylococcus aureus prophage by P11de a plasmid phage hybrid. Smith P, et al. **Mol Gen Genet** 137(1):79–83, 1975

RADIATION EFFECTS

[Staphylococcus aureus phage induction by and sensitivity to ultraviolet rays] Karska-Wysocki B, et al. **Rev Can Biol** 34(1–2):65–8, Mar–Jun 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Structural aberrations in group A Staphylococcus bacteriophages. Ackermann HW, et al. **J Virol** 18(2):619–26, May 76

High-resolution scanning electron microscopy of bacteriophages 3C and T4. Broers AN, et al. **Science** 189(4203):637–9, 22 Aug 75

STAPHYLOCOCCAL PNEUMONIA see **PNEUMONIA, STAPHYLOCOCCAL**

STAPHYLOCOCCAL TOXOID

ADMINISTRATION & DOSAGE

[The influence of immunization using a staphylococcal toxoid on the immune status the mother and newborn infant] Prozorovskaia KN, et al. **Akush Ginekol (Mosk)** (2):27–30, Feb 75 (Eng. Abstr.) **(Rus)**

[Study of the functional activity of the macrophages of animals immunized with staphylococcal alpha-anatoxin] Maiorova GF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):61–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Histochemical study of the activity of certain enzymes in the organs of rabbits immunized with staphylococcal anatoxin and analeukocidin] Tsvetanov IL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):141–2, Aug 75 **(Rus)**

ADVERSE EFFECTS

[Peculiarities of the cellular composition of the peripheral blood of donors of antistaphylococcal plasma] Demidova NV, et al. **Probl Gematol Pereliv Krovi** 20(11):49–51, Nov 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Use of staphylococcal anatoxin in complex treatment of burns] Kolker II, et al. **Khirurgiia (Mosk)** (4):26–30, Apr 75 (Eng. Abstr.) **(Rus)**

[Perspectives of use of hyperimmune antistaphylococcal plasma in severe burn infection] Panova IuM, et al. **Khirurgiia (Mosk)** (2):33–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Use of antistaphylococcal gamma globulin in burns] Murashova NS, et al. **Klin Med (Mosk)** 53(8):127–32, Aug 75 **(Rus)**

[Effectiveness of antistaphylococcal gamma globulin in treatment of infectious complications of acute leukemia] Fainshtein FE, et al. **Ter Arkh** 47(6):75–9, 1975 (Eng. Abstr.) **(Rus)**

[Treatment of post-traumatic osteomyelitis of the ong tubular bones with antistaphylococcal plasma] Okhotskii VP, et al. **Vestn Khir** 114(1):68–71, Jan 75 (Eng. Abstr.) **(Rus)**

[Diagnosis and complex treatment of staphylococcal infections] Proskurov VA. **Vrach Delo** (2):137–40, Feb 74 (Eng. Abstr.) **(Rus)**

STAPHYLOCOCCAL VACCINES

Humoral antibody response to cattle to formalinized Staphylococcus aureus vaccine. Mukkur TK, et al. **Can J Microbiol** 21(11):1756–9, Nov 75

[Immunogenicity of experimental staphylococcal vaccines prepared from various strains of Staphylococcus aureus] Wysokińska T, et al. **Med Dosw Mikrobiol** 28(2):99–107, 1976 (Eng. Abstr.) **(Pol)**

[Immunological study of the occurrence of staphylococci with skin antigens in various experimental animals] Romanov VA. **Zh Mikrobiol Epidemiol Immunobiol** (7):59–64, Jul 75 (Eng. Abstr.) **(Rus)**

[Mechanisms of accelerated rejection of allotransplants of the skin in animals sensitized with staphylococcal vaccine] Romanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):137–9, Feb 76 **(Rus)**

ADMINISTRATION & DOSAGE

[Anti-pyocyanic and anti-staphylococcal vaccinations in malignant hemopathies] Oberling F, et al. **Nouv Rev Fr Hematol** 15(3):386–90, May–Jun 75 **(Fre)**

THERAPEUTIC USE

[Modern trends in the treatment of chronic osteomyelitis (author's transl)] Savoini E. **Z Orthop** 113(3):344–56, Jun 75 (Eng. Abstr.) **(Ger)**

STAPHYLOCOCCUS

The periurethral aerobic bacterial flora in healthy boys and girls. Bollgren I, et al. **Acta Paediatr Scand** 65(1):74–80, Jan 76

Preliminary studies on the characterization and distribution of Staphylococcus and Micrococcus species on animal skin. Kloos WE, et al. **Appl Environ Microbiol** 31(1):53–9, Jan 76

Influence of pH on the heat inactivation of staphylococcal enterotoxin A as determined by monkey feeding and serological assay. Humber JY, et al. **Appl Microbiol** 30(5):755–8, Nov 75

In vivo and in vitro effects of staphylococcal alpha-toxin on amino acid activation in the aorta. Patelski J, et al. **Biochem Pharmacol** 25(15):1733–6, 1 Aug 76

Immunological studies on LATS-immunogloblin by the reaction with staphylococcal protein A. Ochi Y, et al. **Endocrinol Jpn** 23(2):183–6, Apr 76

Cytotoxicity of staphylococcal enterotoxins. Ghosh SS, et al. **Indian J Exp Biol** 13(2):210–1, Mar 75

Ganglioside and rabbit erythrocyte membrane receptor for staphylococcal alpha-toxin. Kato I, et al. **Infect Immun** 13(1):289–91, Jan 76

Chemotactic attraction of Crassostrea virginica hemolymph cells to Staphylococcus lactus. Cheng TC, et al. **J Invertebr Pathol** 27(1):137–9, Jan 76

Proceedings: The mode of action of staphylococcal epidermolytic toxin. McLay AL, et al. **J Med Microbiol** 8(4):Pxvii–xviii, Nov 75

Letter: Isolation of a lethal toxic fragment from staphylococcal alpha toxin by means of trypsin digestion. Watanabe M, et al. **Jpn J Exp Med** 46(2):145–7, Apr 76

Proceedings: The amino acid sequence of the staphylococcal enterotoxins. Huang IY, et al. **Jpn J Med Sci Biol** 28(1):73–5, Feb 75

Proceedings: Studies on the hemolytic action of staphylococcal alpha toxin. Kato I, et al. **Jpn J Med Sci Biol** 28(5–6):332–4, Oct–Dec 75

The effect of staphylococcal alpha-toxin upon the in vivo and in vitro activity of amino acyl-sRNA synthetases in the rabbit brain. Zgorzalewicz B, et al. **Neuropatol Pol** 13(3–4):499–505, Jul–Dec 75

Arthritogenicity in rats of cell walls from several streptococci staphylococci and two other bacteria. Kohashi O, et al. **Proc Soc Exp Biol Med** 152(2):199–203, Jun 76

[Influence of the storage of slaughtered birds at low temperature on the viability of some microorganisms] Georgiev L, et al. **Vet Med Nauki** 12(1):30–5, 1975 (Eng. Abstr.) **(Bul)**

[Phage typing patterns of Staphylococcus aureus isolated from marine fish (author's transl)] Lopes CA, et al. **Arq Inst Biol (Sao Paulo)** 40(1):53–7, Jan–Mar 73 (Eng. Abstr.) **(Por)**

Phage typing of Staphylococcus aureus strains isolated from sausage products. Lopes CAM, et al. **Arq Inst Biol (Sao Paulo)** 40(2):139–42, Apr–Jun 73 (Eng. Abstr.) **(Por)**

[Studies of oral microbiocenosis. I. Incidence and properties of staphylocci in young persons] Sefer M, et al. **Rev Ig [Bacteriol]** 20(4):219–30, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Effect of some antibiotics on the resistance of white mice to staphylococcal toxin] Aver'ianova LL. **Antibiotiki** 21(2):144–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Coordination of lymphocyte enzyme systems and resistance of mice to the action of staphylococcus toxin] Katosova LK, et al. **Biull Eksp Biol Med** 79(6):74–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Use of antiserum for detection of type A staphylococcal enterotoxin] Bugrova VI, et al. **Lab Delo** (4):236–9, 1975 **(Rus)**

[Study of milk staphylococci in bovine mastitis] Khil'kevich NM, et al. **Veterinariia** (3):86–8, Mar 76 **(Rus)**

[Bacterial flora of the maxillary sinuses during their chronic inflammation] Diskalenko VV, et al. **Zh Ushn Nos Gorl Bolezn** (2):84, Mar–Apr 75 **(Rus)**

[Adsorption properties of staphylococci with respect to influenza virus] Bezpoiasko OI. **Mikrobiol Zh** 37(2):202–4, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Use of Soviet nutrient media in Oudin's reaction for the detection of staphylococcal enterotoxin] Ladanii MM. **Mikrobiol Zh** 36(2):174–6, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

[Micromethod of detecting staphylococcal enterotoxins] Ladanii MM, et al. **Mikrobiol Zh** 36(4):525–30, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Phospholipids of Staphylococcus aureus and their relationship with coagulase. Gupta KG, et al. **Ann Microbiol (Paris)** 125(4):419–25, May–Jun 74

Staphylococcal enterotoxin C: solid-phase radioimmunoassay. Bukovic JA, et al. **Appl Microbiol** 30(4):700–1, Oct 75

Double-antibody radioimmunoassay for staphylococcal enterotoxin C2. Robern H, et al. **Appl Microbiol** 30(4):525–9, Oct 75

The lipid composition of a halotolerant species of Staphylococcus epidermidis. Komaratat P, et al. **Biochim Biophys Acta** 398(3):464–84, 19 Sep 75

Nonpolar lipids of a halotolerant species of Staphylococcus epidermidis. Kushwaha SC, et al. **Can J Biochem** 54(1):79–85, Jan 76

Unusual behaviour of a protein: reversible quantitative precipitation of staphylococcal delta-haemolysin by low concentrations of some organic solvents. Heatley NG. **Int J Pept Protein Res** 8(3):233–6, 1976

Cell wall composition of novobiocin-resistant pleiotropic mutant staphylococci. Korman RZ. **J Bacteriol** 124(2):724–30, Nov 75

[Changes of membrane components of gram-negative, moderately halophilic bacteria caused by changes of salt concentration] Hiramatsu T, et al. **Jpn J Bacteriol** 30(1):123, Jan 75 **(Jpn)**

CLASSIFICATION

Usefulness of phage typing for identification of Staphylococcus Epidermidis and Micrococcus strains. Kryński S, et al. **Arch Immunol Ther Exp (Warsz)** 23(5):645–50, 1975

Coagulase and heat-resistant nuclease producing Staphylococcus epidermidis strains from animals. Devriese LA, et al. **J Appl Bacteriol** 39(2):197–207, Oct 75

Efficacy of phage typing epidemiologically related Staphylococcus epidermidis strains. Blouse L, et al. **J Clin Microbiol** 2(4):318–21, Oct 75

Simplified scheme for routine identification of human Staphylococcus species. Kloos WE, et al. **J Clin Microbiol** 1(1):82–8, Jan 75

Virulence factors of biotypes of Staphylococcus epidermidis from clinical sources. Males BM, et al. **J Clin Microbiol** 1(3):256–61, Mar 75

Phage typing of Staphylococcus epidermidis. Talbot HW Jr, et al. **J Clin Microbiol** 3(5):519–23, May 76

[Classification of white, coagulase-negative staphalococci by means of lysotyping] Popovici M, et al. **Arch Roum Pathol Exp Microbiol** 34(3):209–16, Jul 75 (Eng. Abstr.) **(Fre)**

[Serological typing of Staphylococcus epidermidis —comparison between human and bovine strains] Takahashi M, et al. **Jpn J Bacteriol** 29(6):827–37, Nov 74 (Eng. Abstr.) **(Jpn)**

[Data on the identification of staphylococci of hospital origin. Report 2. Method of biological typing of S. epidermis] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):86–9, Feb 76 (Eng. Abstr.) **(Rus)**

[Typing staphylococci of intestinal origin according to the character of their bacteriocins] Medzhidov BF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):71–5, May 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Frequency and some properties of clinical isolates of methicillin-resistant Staphylococcus aureus. Blackwell CC, et al. **Am J Clin Pathol** 64(3):372–7, Sep 75

[Influence of subinhibitory doses of 7-dimethylamino-6-deoxy-6-demethyltetracycline on coagulase activities by Staphylococcus aureus strains sensitive to this antibiotic and resistant to alpha-6-deoxy-5-oxytetracycline (author's transl)] Thaller MC, et al. **Antibiotica** 11(3–4):134–46, Sep–Dec 73 **(Eng, Ita)**

Susceptibility of Staphylococcus aureus and Staphylococcus epidermidis to 65 antibiotics. Sabath LD, et al. **Antimicrob Agents Chemother** 9(6):962–9, Jun 76

Antibacterial activity of delta9-tetrahydrocannabinol and cannabidiol. Van Klingeren B, et al.

Antonie van Leeuwenhoek 42(1-2):9-12, 1976

Staphylococcal micrococcins. I. Isolation of antibiotic-producing strains. Pulverer G, et al. **Arzneim Forsch** 25(7):1004-6, Jul 75

Staphylococcal plasmids carrying tetracycline and chloramphenicol resistance. pp. 153-64. Inoue M, et al.

In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Antistaphylococcal activity of sisomicin and four other aminoglycosides against strains sensitive and resistant to methicillin. Yourassowsky E, et al. **Infection** 3(3):148-9, 1975

Antimicrobial effects of some bis-biguanides on certain bacteria which occur in connection with acne vulgaris. Hegna IK. **J Pharm Pharmacol** 28(3):261-2, Mar 76

Epidemic infection by a gentamicin-resistant Staphylococcus aureus in three hospitals. Speller DC, et al. **Lancet** 1(7957):464-6, 28 Feb 76

Letter: Gentamicin-resistant Staphylococci. Warren RE, et al. **Lancet** 1(7958):543-4, 6 Mar 76

Resistance of Gram-positive bacteria to chloramphenicol/thiamphenicol: occurrence and genetic basis. Kayser FH, et al. **Postgrad Med J** 50 Suppl 5:79-83, Oct 74

Prolonged survival of non-multiplying Staphylococcus aureus cells undergoing autolysis in the presence of certain inhibitors of cell wall synthesis. Seeberg S, et al. **Scand J Infect Dis** 7(3):185-90, 1975

Multiple drug-resistance in staphylococci, an analysis of all-nation computer-processed data. Grunt J, et al. **Zentralbl Bakteriol [Orig A]** 234(1):14-20, Jan 76

Furazolidone sensitivity tests with escherichia coli and staphylococcus aureus strains of animal origin. Devriese LA. **Zentralbl Veterinaermed [B]** 22(3):220-9, Apr 75

[The influence of chloramphenicol treatment of drinking water on the staphylococcal flora of the air of a laying hen battery] Müller W, et al. **Berl Munch Tieraerztl Wochenschr** 89(12):240-43, 15 JUN 76 **(Ger)**

[Sensitivity against various chemotherapeutic agents of Staphylococcus strains isolated from human material of various origin] Faraone P, et al. **G Ital Chemioter** 20(1-4):36-41, Jan-Dec 73 (Eng. Abstr.) **(Ita)**

[Study on the in vitro sensitivity of staphylococci to pristinamycin] Lanza GC, et al. **G Ital Chemioter** 20(1-4):42-5, Jan-Dec 73 **(Ita)**

[Antistaphylococcal activity of gentamicin] Rosaschino F. **Minerva Med** 66(84):4505-26, 8 Dec 75 (171 ref.) (Eng. Abstr.) **(Ita)**

[Behavior of synthetic detergents in surface-soil. IV. Soft detergents catabolites and vital competition] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 25(4):262-70, Jul-Aug 74 (Eng. Abstr.) **(Ita)**

[Sensitivity of Staphylococcus and Streptococcus strains to usnic acid as compared to their sensitivity to antibiotics] Figurska EH, et al. **Med Dosw Mikrobiol** 28(1):9-12, 1976 (Eng. Abstr.) **(Pol)**

[Drug resistance of coagulase-positive staphylococci] Cieplińska T. **Pediatr Pol** 50(8):981-4, Aug 75 (Eng. Abstr.) **(Pol)**

[Sensitivity of coagulase positive and negative staphylococci to certain antibiotics] Moura AO, et al. **Mem Inst Oswaldo Cruz** 72(1-2):73-9, 1974 (Eng. Abstr.) **(Por)**

[Sensitivity to antibacterial preparations of the pathogenic staphylococci isolated from carriers] Chudner VZ, et al. **Antibiotiki** 21(2):136-8, Feb 76 (Eng. Abstr.) **(Rus)**

[Phenotype of antibiotic resistance in clinical strains of staphylococci isolated from patients with staphylococcal destructive pneumonia] Speranskaia ON, et al. **Antibiotiki** 21(6):523-7, Jun 76 (Eng. Abstr.) **(Rus)**

[Comparison of the sensitivity of pathogenic staphylococci isolated in 1974 to certain antibiotics and nitrofuran derivatives] Val'vachev NI, et al. **Antibiotiki** 21(3):231-3, Mar 76 (Eng. Abstr.) **(Rus)**

[Drug resistance of staphlococci] Veselov AIa. **Antibiotiki** 20(11):993-4, Nov 75 **(Rus)**

[Transduction transmission of the extrachromosomal markers of antibiotic resistance in staphylococcal populations] Voropaeva SD, et al. **Antibiotiki** 21(6):527-30, Jun 76 (Eng. Abstr.) **(Rus)**

[Effect of penicillin on the intensity of formation of penicillin-resistant staphylococcal populations in the suppurative foci of patients] Zueva VS, et al. **Antibiotiki** 20(6):521-6, Jun 75 (Eng. Abstr.) **(Rus)**

[Methods for detecting drug-resistant staphylococci in the human body under natural conditions] Zueva VS, et al. **Antibiotiki** 20(5):440-5, May 75 (Eng. Abstr.) **(Rus)**

[Antimicrobial effect of trypsin] Vernik SD, et al. **Khirurgiia (Mosk)** (4):134-5, Apr 75 **(Rus)**

[Antibiotic resistance of staphylococci isolated from patients with chronic pyoderma] Fedorovskaia RF, et al. **Vestn Dermatol Venerol** (10):62-5, Oct 75 (Eng. Abstr.) **(Rus)**

[Sensitivity of microflora of the middle ear to penicillin in patients with chronic purulent otitis media] Tarasov DI, et al. **Vestn Otorinolaringol** (5):5-8, Sept-Oct 75 (Eng. Abstr.) **(Rus)**

[Antibacterial and antiviral activity of beta,beta-dichlorvinylpyrrolidone] Lidina PV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):102-5, Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of various concentrations of NaCl upon pathogenous Staphylococci (author's transl)] Belanová A, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(5):293-9, Sep 75 (Eng. Abstr.) **(Slo)**

[Various biological properties and sensitivity to medicinal preparations of staphylococci isolated from patients with traumatic osteomyelitis of the mandible] Diachenko IuV, et al. **Mikrobiol Zh** 37(4):487-91, Jul-Sep 75 (Eng. Abstr.) **(Ukr)**

ENZYMOLOGY

Study of elastolytic activity Propionibacterium acnes and Staphylococcus epidermis in acne vulgaris and in normal skin. Dick GF, et al. **Acta Derm Venereol (Stockh)** 56(4):279-82, 1976

Quantitative correlation between pyrrolidonyl peptidase activity and coagulase of Staphylococci. Gupta KG, et al. **Ann Microbiol (Paris)** 125(4):413-7, May-Jun 74

Purification and properties of a fructose-1,6-diphosphate activated L-lactate dehydrogenase from Staphylococcus epidermidis. Götz F, et al. **Arch Microbiol** 105(3):303-12, 7 Nov 75

Comments on the proposed rigidity of staphylococcal protease. Dobson CM. **Biochemistry** 14(22):4905-6, 4 Nov 75

Comparative zone electrophoresis of esterases of Staphylococcus species isolated from mammalian skin. Zimmerman RJ, et al. **Can J Microbiol** 22(6):771-9, Jun 76

Some properties of coagulase-negative deoxyribonuclease-producing strains of staphylococci from human infections. Dornbusch K, et al. **Med Microbiol Immunol (Berl)** 162(2):143-52, 1 Jun 76

A new CoDNA-ase spot plate method for the detection of coagulase and DNA-ase activity of staphylococci. Mol H, et al. **Tijdschr Diergeneeskd** 100(8):426-31, 15 Apr 75

[General frequency of staphylococci and particularly of the coagulase positive, in the air and by the carriers in the hospital surroundings] Faraone P, et al. **Ann Sclavo** 17(1):55-74, Jan-Feb 75 (Eng. Abstr.) **(Ita)**

[Oral staphylococci producing lysozyme] Costache M, et al. **Rev Chir [Stomatol]** 22(3):175-8, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

[Antibacterial activity of a lysozyme-like enzyme from staphylococci] Afanas'eva TI, et al. **Antibiotiki** 20(10):907-11, Oct 75 (Eng. Abstr.) **(Rus)**

[Identification of proteases of staphylococci by means of an antitrypsin precipitating serum] Krivoshein IuS, et al. **Biull Eksp Biol Med** 80(9):59-61, Sep 75 (Eng. Abstr.) **(Rus)**

[Nutrient medium for simultaneous detection of lecithovitellase activity and pigment production in staphylococci] Novikov VA. **Lab Delo** (4):247-8, 1975 **(Rus)**

[Quantitative indices of lysozyme activity in staphylococci] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):67-71, Aug 75 (Eng. Abstr.) **(Rus)**

[Production of acid phosphatase by Staphylococcus] Janer del Valle C, et al. **Rev Clin Esp** 141(4):317-22, 31 May 76 (Eng. Abstr.) **(Spa)**

[DNase activity of staphylococci in comparison with other signs of their pathogenicity] Gurtovenko VN, et al. **Mikrobiol Zh** 36(2):149-52, Feb-Mar 74 (Eng. Abstr.) **(Ukr)**

[Effect of the antistaphylococcal gamma-globulin and its combinations with solafur on penicillinase activity of staphylococci] Liubich VV. **Mikrobiol Zh** 37(4):472-5, Jul-Sep 75 (Eng. Abstr.) **(Ukr)**

GROWTH & DEVELOPMENT

Growth of Staphylococcus and Salmonella on frankfurters with and without sodium nitrite. Bayne HG, et al. **Appl Microbiol** 30(5):844-9, Nov 75

Polyurethane elastomer as a possible resilient material for denture protheses: a microbiological evaluation. Tang RY, et al. **J Dent Res** 54(5):1039-45, Sep-Oct 75

The relevance of growth rates in urine to the pathogenesis of urinary-tract infections due to Micrococcus subgroup 3 (Staphylococcus saprophyticus biotype 3). Anderson JD, et al. **J Med Microbiol** 9(3):317-23, Aug 76

[Interaction of aerobic spore-forming bacilli and staphylococci in a medium] Maleszewski J, et al. **Rocz Panstw Zakl Hig** 26(4):517-22, 1975 (Eng. Abstr.) **(Pol)**

[Growth and reproduction of yeast-like fungi Candida and staphylococci cultured together in vitro and in vivo] Mikhno IL, et al. **Mikrobiol Zh** 37(3):303-7, May-Jun 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Human colostral IgA interacting with staphylococcal protein A. Grov A. **Acta Pathol Microbiol Scand [C]** 84(1):71-2, Feb 76

Letter: Staphylococcus aureus antigen in cerebrospinal fluid cross-reactive with Haemophilus influenzae type b antiserum. Ribner B, et al. **Ann Intern Med** 83(3):370-1, Sep 75

Detection and comparison of fibrinogen and its derivatives in different species by the staphylococcal clumping test. pp. 127-31. Hawiger J.

In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.

Degradation and survival of bacteria in sites of allergic inflammation. pp. 43-59. Ginsburg I, et al.

In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (71 ref.)

Klebsiella pneumoniae and Staphylococcus aureus infection in mice: difference in uremia and ammoniagenesis. Walker RI, et al. **Infect Immun** 12(3):571-5, Sep 75

Enhancement of bactericidal capacity of alveolar macrophages by human alveolar lining material. Juers JA, et al. **J Clin Invest** 58(2):271-5, Aug 76

[Intradermal test with hemolytic-staphylococcal allergen in burned patients] Kosheleva NI, et al. **Khirurgiia (Mosk)** (2):41-6, Feb 76 (Eng. Abstr.) **(Rus)**

[Staphylococcal antitoxin as an indicator of humoral specific immunity in different forms of staphylococcal diseases in children] Ostrovskiĭ AD. **Pediatriia** (1):38, Jan 74 **(Rus)**

[Some data on the chemical makeup of the staphylococcal protective somatic antigen] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):144-5, Aug 75 **(Rus)**

[Indices of phagocytosis of staphylococci with different biological activity] Antonovskaia II, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):64-8, Apr 76 (Eng. Abstr.) **(Rus)**

[Immunological study of the occurrence of staphylococci with skin antigens in various experimental animals] Romanov VA. **Zh Mikrobiol Epidemiol Immunobiol** (7):59-64, Jul 75 (Eng. Abstr.) **(Rus)**

[Role of circulating antibodies and cellular factors in the pathogenesis of Staphylococcus induced rejection of skin autotransplants] Romanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):74-8, Apr 75 (Eng. Abstr.) **(Rus)**

[Relation between cutaneous reactions to chemical fractions of Staphylococcus and Streptococcus and the level of certain immunologic indicators in patients with chronic tonsillitis] Chulaevskaia LK. **Zh Ushn Nos Gorl Bolezn** (2):25-32, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Nasal polyposis and certain aspects of immunospecific treatment] Mitrokhina NM, et al. **Zh Ushn Nos Gorl Bolezn** (2):42-6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Standarization of the staphylococcal clumping test (SCT) for the detection of fibrinogen/fibrin degradation products (FDP) in serum (author's transl)] Contreras P, et al. **Rev Med Chil** 103(8):551-4, Aug 75 (Eng. Abstr.) **(Spa)**

[Immunity indices under immunotherapy of surgical staphylococcal infection in children] Babii ZM, et al. **Mikrobiol Zh** 37(4):476-81, Jul-Sep 75 (Eng. Abstr.) **(Ukr)**

ISOLATION & PURIFICATION

Distribution and persistence of Staphylococcus and Micrococcus species and other aerobic bacteria on human skin. Kloos WE, et al. **Appl Microbiol** 30(3):381-5, Sep 75

Serological studies on staphylococci from bovine udder. Yadav MS, et al. **Indian J Exp Biol** 13(5):498-9, Sep 75

Bacterial flora and the diabetic skin. Singh G, et al. **Indian J Med Res** 63(4):529-32, Apr 75

A simple test system for the separation of staphylococci from micrococci. Schleifer KH, et al. **J Clin Microbiol** 1(3):337-8, Mar 75

Significance of urinary isolates of coagulase-negative Micrococcaceae. Williams DN, et al. **J Clin Microbiol** 3(6):556-9, Jun 76

Incidence of coagulase-positive staphylococci in Damietta cheese. Helmy ZA, et al. **Zentralbl Bakteriol [Naturwiss]** 130(5):461-7, 1975

[Characteristics of staphylococci isolated from birds] Bail'ozov D, et al. **Vet Med Nauki** 11(10):3-8, 1974 (Eng. Abstr.) **(Bul)**

[Characteristics of the staphylococci isolated from the udder of cows with mastitis] Dincheva E, et al. **Vet Med Nauki** 13(4):77-83, 1976 (Eng. Abstr.) **(Bul)**

[Studies on coagulase-negative staphylococci. I. Staphylococci isolated from silverfish, cockroaches and flies] Tseng CC, et al. **J Formosan Med Assoc** 74(8):568-78, Aug 75 (Eng. Abstr.) **(Chi)**

[Staphylococci in cheese made from raw milk. (author's transl)] Mol H, et al. **Tijdschr Diergeneeskd** 100(18):991-4, 15 Sep 75 (Eng. Abstr.) **(Dut)**

[Evaluation of the lysozyme and DNAase activity for the identification of pathogenic staphylococci] Cava L, et al. **Boll Ist Sieroter Milan** 54(4):300-4, 20 Oct 75 (Eng. Abstr.) **(Ita)**

[Hospital contamination with Staphylococcus epidermidis] Nishine A, et al. **J Jpn Assoc Infect Dis** 49(5):180-6, May 75 (Eng. Abstr.) **(Jpn)**

[Kidney lodgment of staphylococcus: its relationship to the growth patterns of S. epidermidis and S. aureus in serum-soft agar] Kuno M, et al. **Jpn J Bacteriol** 30(6):693-7, Nov 75 (Eng. Abstr.) **(Jpn)**

[Application of staphylococcal phage typing to clinical epidemiology (author's transl)] Ishii T, et al. **Jpn J Clin Pathol** 23(8):594-8, Aug 75 **(Jpn)**

[Staphylococci, fecal streptococci and coliform bacteria in the water of indoor swimming pools in selected Polish cities] Haman S, et al. **Rocz Panstw Zakl Hig** 27(3):241-9, 1976 (Eng. Abstr.) **(Pol)**

[Characteristics of the causative agents of different forms of intrahospital staphylococcal infection] Khatenever ML, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):128-9, Oct 75

(Rus)
[Staphylococcal phage types isolated from children] Ostrovskii AD. **Zh Mikrobiol Epidemiol Immunobiol** (3):139–40, 1976 (Rus)
[Biological characters of Staphylococcus isolated from food handlers] Torres AR, et al.
Rev Sanid Hig Publica (Madr) 48(12):1139–59, Dec 74 (Eng. Abstr.) (Spa)
[Source of spread of pathogenic staphylococci and streptococcus agalactiae] Oksamitnyi NK, et al.
Mikrobiol Zh 38(3):320–4, 1976 (Eng. Abstr.) (Ukr)
[Phage group affinity of staphylococci isolated from inflammatory-purulent lesions and the formation of enterotoxin] Paster EU, et al. **Mikrobiol Zh** 36(3):319–22, May–Jun 74 (Eng. Abstr.) (Ukr)

METABOLISM

The egg yolk and lipolytic reactions of coagulase positive staphylococci. Owens JJ, et al. **J Appl Bacteriol** 39(1):23–30, Aug 75
Uracil and pyruvate requirements of anaerobic growth of staphylococci. Evans JB. **J Clin Microbiol** 2(1):14–7, Jul 75
Human fibrinogen possesses binding site for staphyococci on Aalpha and Bbeta polypeptide chains. Hawiger J, et al. **Nature** 258(5536):643–5, 18 Dec 75
Proceedings: Pathobiology of human fibrinogen. Binding site for staphylococci on Aalpha and Bbeta chains of fibrinogen molecule. Hawiger J, et al. **Thromb Diath Haemorrh** 34(1):324–5, 30 Sep 75
[Substance produced by Staphylococcus with specific cytotoxicity to peritoneal macrophages of mice] Iwata K, et al. **Jpn J Bacteriol** 30(1):228, Jan 75 (Jpn)
[Ha antibody against exfoliatin A and B (with special reference to the sera of clinical patients and normal controls)] Sarai Y, et al. **Jpn J Bacteriol** 30(1):222, Jan 75 (Jpn)
[Characteristics of Staphylococcus ribosome in synthesis of poly U-dependent polyphenylalanine] Tani Y, et al.
Jpn J Bacteriol 30(1):128, Jan 75 (Jpn)
[Effect of antibiotics on hemolysin production by bacteria causing mastitis in cattle] Kurek C. **Pol Arch Weter** 18(1):17–22, 1975 (Eng. Abstr.) (Pol)
[The connection between the number of Staphylococci and the accumulation of enterotoxin type A in milk] Petrushina LI, et al. **Gig Sanit** (4):113–5, Apr 75 (Rus)
[Pigment formation and other biological properties of staphylococci] Bogdanova LF, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):37–41, May 76 (Eng. Abstr.) (Rus)
[Bacteriocinogenicity and bacteriocin sensitivity of pyogenic and epidermal staphylococci] Kozhevnikova VM.
Zh Mikrobiol Epidemiol Immunobiol (5):138, May 75 (Rus)
[Suitability of various nutrient media for obtaining staphylococcal enterotoxins] Smerens'ka AV, et al.
Mikrobiol Zh 37(3):346–50, May–Jun 75 (Eng. Abstr.) (Ukr)

PATHOGENICITY

[Study of the pathogenicity and drug sensitivity of staphylococci isolated from poultry] Kolev V, et al.
Vet Med Nauki 13(5):32–6, 1976 (Eng. Abstr.) (Bul)
[Possible pathogenicity of Staphylococcus albus] Modde H.
Rev Med Suisse Romande 95(3):225–33, Mar 75 (Fre)
[Pathogenicity test for staphylococci by the use of adrenaline (author's transl)] Selli M.
Acta Microbiol Acad Sci Hung 23(1):1–5, 1976 (Eng. Abstr.) (Ger)
[Animal experiment studies on the kidney affinity and variability in renal tissue of 20 Staphylococcus aureus strains] Breunung M, et al. **Z Gesamte Hyg** 21(1):64–9, Jan 75 (Eng. Abstr.) (Ger)
[Editorial: Staphylococcus epidermidis as a pathogen] Davidson J, et al. **Harefuah** 89(1):36–7, 1 Jul 75 (Heb)
[Importance of the lysozyme test in determination of potential pathogenicity of coagulase-negative Staphylococci] Afanas'eva TI, et al. **Lab Delo** (4):234–6, 1975 (Rus)
[Characteristics of Staphylococci isolated at the burn center] Grishina IA, et al. **Lab Delo** (4):232–4, 1975 (Rus)
[Characteristics of biological activity of staphylococci isolated from sick children and carriers] Ostrovskii AD. **Lab Delo** (4):229–31, 1975 (Rus)
[Differentiation of staphylococci isolated from chickens] Ginzburg VV. **Veterinariia** (8):32–4, Aug 75 (Rus)
[Relationship between enterotoxin accumulation and the quantity of pathogenic staphylococci in cooked meat] Bugrova VI, et al. **Vopr Pitan** (1):62–6, Jan–Feb 1975 (Eng. Abstr.) (Rus)
[Cultivation of enterotoxigenic DNA-A20-positive Staphylococci from different sources] Paster EU, et al.
Vrach Delo (10):140–3, Oct 75 (Eng. Abstr.) (Rus)
[Relation of intrahospital morbidity from staphylococcal infections to some properties of hospital strains] Ankirskaia AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):113–6, Aug 75 (Eng. Abstr.) (Rus)
[Sensitivity to polyvalent therapeutic staphylococcal bacteriophage as a supplementary criterion of staphylococcal pathogenicity] Fel'dman IuM, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):59–60, Oct 75 (Rus)
[Experimental infection caused by an association of cultures of a fungus of the genus Candida and Staphylococcus] Mikhno IL, et al. **Med Educ** 38(2):188–96, Mar–Apr 76 (Eng. Abstr.) (Ukr)
[Staphylococcal variability during prolonged cultivation on bile media] Sytnik IA, et al. **Mikrobiol Zh** 36(5):603–6, Sep–Oct 74 (Eng. Abstr.) (Ukr)

PHYSIOLOGY

[Development and resistance of staphylococci in Bulgaricus milk] Dincheva E. **Vet Med Nauki** 13(2):39–48, 1976 (Eng. Abstr.) (Bul)
[Chemotactic effects of some staphylococcal substances (author's transl)] Kleickmann A, et al.
Zentralbl Bakteriol [Orig A] 233(2):153–62, Oct 75 (Eng. Abstr.) (Ger)
[Effect of human blood sera on the plasma-coagulating activity of pathogenic staphylococci] Diachenko IuV, et al. **Mikrobiol Zh** 36(3):323–7, May–Jun 74 (Eng. Abstr.) (Ukr)

ULTRASTRUCTURE

Fine structure of mesosomes in Staphylococcus aureus as revealed by freeze-etching. Morioka H, et al.
J Electron Microsc (Tokyo) 24(1):7–12, 1975
[Analysis of resistance of Staphylococcus against salts. Conditions of the membrane isolated from wild strains and salt-sensitive mutants] Hayashi H, et al. **Jpn J Bacteriol** 30(1):122, Jan 75 (Jpn)
[Changes in the ultrastructure of staphylococci in kidney tissue in experimental infection] Bykov AS, et al.
Zh Mikrobiol Epidemiol Immunobiol (7):95–9, Jul 75 (Eng. Abstr.) (Rus)

STAPHYLOCOCCUS AUREUS

Multiple forms of staphylococcal alpha-toxin. Dalen AB.
Acta Pathol Microbiol Scand [Suppl] 83(6):561–8, Dec 75
Phage typing of Staphylococcus aureus strains isolated in Sweden from bovine milk. Holmberg O.
Acta Vet Scand 16(3):411–9, 1975
Staphylococcus aureus bacteremia. Current clinical patterns. Nolan CM, et al. **Am J Med** 60(4):495–500, Apr 76
Measurement of phagocytosis of 32P-labeled Staphylococcus aureus by bovine leukocytes: lysostaphin digestion and inhibitory effect of cream. Paape MJ, et al.
Am J Vet Res 36(12):1737–43, Dec 75
Staphylococcus aureus infections of captive dolphins (Tursiops truncatus) and oceanarium personnel. Streitfeld MM, et al. **Am J Vet Res** 37(3):303–5, Mar 76
On detection of the Staphylococcal enterotoxin A by aggregate-hemagglutination technique and electron-microscopic data on this toxin. Gjulazizov SB, et al. **Aviat Space Environ Med** 47(2):199–201, Feb 76
The hemolysins of Staphylococcus aureus. Wiseman GM.
Bacteriol Rev 39(4):317–44, Dec 75 (219 ref.)
Lysis of erythrocytes by sepharose-staphylococcal delta toxin complex. Lee SH, et al.
Biochem Biophys Res Commun 68(4):1116–8, 23 Feb 76
Studies on the binding of staphylococcal 125I-labeled alpha-toxin to rabbit erythrocytes. Cassidy P, et al.
Biochemistry 15(11):2348–55, 1 Jun 76
Iodination of a tyrosyl residue in staphylococcal alpha-toxin. Cassidy P, et al. **Biochemistry** 15(11):2342–8, 1 Jun 76
Editorial: Staphylococcal mastitis. **Br Vet J** 132(3):227–8, May–Jun 76
Staphylococcal polysaccharide products inhibitory to Staphylococcus aureus bacteriophage. Scheer ER, et al.
Can J Microbiol 21(8):1178–84, Aug 75
Toxic epidermal necrolysis (TEN; Ritter's disease) and staphylococcal scalded skin syndrome (SSSS). A description and review. Koblenzer PJ.
Clin Pediatr (Phila) 15(8):724–30, Aug 76 (19 ref.)
A study of subcutaneous staphylococcal infection in alloxan diabetic mice. Sood U, et al. **Indian J Med Res** 63(11):1564–76, Nov 75
Purification of staphylococcal alpha-toxin by adsorption chromatography on glass. Cassidy P, et al.
Infect Immun 13(3):982–6, Mar 76
Production, purification, and chemical characterization of Staphylococcus aureus exfoliative toxin. Johnson AD, et al. **Infect Immun** 12(5):1206–10, Nov 75
Inhibition of water absorption in the intestine by Staphylococcus aureus delta-toxin. Kapral FA, et al.
Infect Immun 13(1):140–5, Jan 76
Effect of fatty acids on Staphylococcus aureus delta-toxin hemolytic activity. Kapral FA. **Infect Immun** 13(1):114–9, Jan 76
Increased cyclic adenosine 3',5'-monophosphate content in guinea pig ileum after exposure to Staphylococcus aureus delta-toxin. O'Brien AD, et al. **Infect Immun** 13(1):152–62, Jan 76
Induction of resistance with heat-killed compact-type strains of Staphylococcus aureus against challenge with the diffuse variant of the Smith strain of Staphylococcus aureus. Yoshida K, et al. **Infect Immun** 12(5):939–42, Nov 75
Induction of adjuvant arthritis in the rat by various bacterial cell walls and their water-soluble components. Koga T, et al. **Int Arch Allergy Appl Immunol** 51(2):206–13, 1976
Enhancement of plaque size of a staphylococcal phage. Qanber Agha A, et al. **J Appl Bacteriol** 40(1):109–10, Feb 76
Collaborative study of the serological identification of staphylococcal enterotoxins by the microslide gel double diffusion test. Bennett RW, et al.
J Assoc Off Anal Chem 59(3):594–601, May 76
Bacteriophage-typable revertants from pleiotropic staphylococcal mutants. Korman RZ. **J Bacteriol** 124(2):731–5, Nov 75
Plasmid-protein relaxation complexes in Staphylococcus aureus. Novick R. **J Bacteriol** 127(3):1177–87, Sep 76
Transformation analysis of three linkage groups in Staphylococcus aureus. Pattee PA, et al. **J Bacteriol** 124(1):201–11, Oct 75
Lavage of septic joints in rabbits: effects of chondrolysis. Daniel D, et al. **J Bone Joint Surg [Am]** 58(3):393–5, Apr 76
Infection of intervertebral discs after operation. El-Gindi S, et al. **J Bone Joint Surg [Br]** 58(1):114–6, Feb 76
Defect in intracellular killing of Staphylococcus aureus within alveolar macrophages in Sendai virus-infected murine lungs. Jakab GJ, et al. **J Clin Invest** 57(6):1533–9, Jun 76
Determinants of lung bacterial clearance in normal mice. Jay SJ, et al. **J Clin Invest** 57(4):811–7, Apr 76
Experimental Staphylococcal mastitis in the mouse. Histological, ultrastructural and bacteriological changes caused by a virulent strain of Staphylococcus aureus. Anderson JC, et al. **J Comp Pathol** 85(4):499–510, Oct 75
Analysis of cell-surface markers with staphylococcal protein A: fluorescence studies on mammalian lymphoid determinants. Dorval G, et al. **J Immunol Methods** 9(3–4):251–66, 1976
The effects of Staphylococcus aureus and Klebsiella pneumoniae peritonitis in mice exposed to normal and hypoxic conditions on red cell oxygen transport function. Walker R, et al. **J Med** 6(2):113–20, 1975
Neonatal staphylococcal enterocolitis: association with indwelling feeding catheters and S. aureus colonization. Gutman LT, et al. **J Pediatr** 88(5):836–9, May 76
Fever, shock, and hepatomegaly in a 13-month-old boy. Strauss RG, et al. **J Pediatr** 87(5):819–23, Nov 75
Proceedings: Serological and immunological studies on exfoliati A and B. Kondo I, et al. **Jpn J Med Sci Biol** 28(5–6):295–8, Oct–Dec 75
Proceedings: Physicochemical properties of staphylococcal exfoiatin A and B. Sakurai S, et al.
Jpn J Med Sci Biol 28(5–6):293–5, Oct–Dec 75
Cross-infection: the danger of scaly skin. Tring FC.
Nurs Times 72(9):330–1, 4 Mar 76
Effect of inhaled yttrium-90 in fused clay particles on the pulmonary clearance of inhaled Staphylococcus aureus in mice. Lundgren DL, et al. **Radiat Res** 66(2):231–46, May 76
Biological and ecological investigations on thiamineless dwarf-colony variants of Staphylococcus aureus of bovine udder origin. Ziv G, et al. **Res Vet Sci** 20(3):281–7, May 76
Wound infections in general surgery with special reference to the occurrence of Staphylococcus aureus. Bróte L, et al. **Scand J Infect Dis** 8(2):89–97, 1976
Trends in methods for detecting food-poisoning toxins produced by Clostridium botulinum and Staphylococcus aureus. Crowther JS, et al.
Soc Appl Bacteriol Symp Ser 4:215–25, 1976 (36 ref.)
Characterisation of the strains of staphylococci isolated from osteomyelitic infections and surviving the complex therapy 1. Sensitivity of the staphylococcal strains to antibiotics and phages. Pillich J, et al. **Zentralbl Bakteriol [Orig A]** 233(3):296–304, Nov 75
[Isolation and identification of new 'Staphylococcus aureus' bacteriophage (author's transl)] Daza RM, et al.
Ann Microbiol (Paris) 125B(1):119–22, Jul–Aug 74 (Eng. Abstr.) (Fre)
[Staphylococcus aureus phage induction by and sensitivity to ultraviolet rays] Karska-Wysocki B, et al.
Rev Can Biol 34(1–2):65–8, Mar–Jun 75 (Eng. Abstr.) (Fre)
[Epidemiology of S. aureus cross-infections in dermatological wards] Barrière H, et al.
Rev Epidemiol Sante Publique 24(2):151–64, Mar–Apr 76 (Eng. Abstr.) (Fre)
[Cytotoxic effects of a leukocidin from Staphylococcus aureus (author's transl)] Pfanneberg T, et al.
Zentralbl Bakteriol [Orig A] 233(2):147–52, Oct 75 (Eng. Abstr.) (Ger)
[Inter- and intraspecific relationship between bacterial hemolysins. III. Identification of masked toxins in the exotoxin complex of Staphylococcus pyogenes und Cl. perfringens; significance of their existence for clarifying of the masking mechanism] Marica D, et al.
Zentralbl Veterinaermed [B] 22(4):335–43, Jun 75 (Eng. Abstr.) (Ger)
[Significance of resistance genes in Staphylococcus] Sasatsu M, et al. **Jpn J Bacteriol** 30(1):193, Jan 75 (Jpn)
[Neonatal leukocytes and blood plasma bactericidal activity against Staphylococcus aureus] Ziobro J, et al.
Ginekol Pol 46(9):959–63, Sep 75 (Eng. Abstr.) (Pol)
[Survival of microorganisms of the intestinal group and Staphylococcus aureus on synthetic polymeric materials] Bryskin ML. **Gig Sanit** (8):94–6, Aug 75 (Rus)
[Interaction of acridine orange with teichoic acids of Staphylococcus aureus] Ignatov VV, et al.
Mikrobiologiia 44(2):224–7, Mar–Apr 75 (Eng. Abstr.) (Rus)
[Effect of thermal treatment on the properties of staphylococcal enterotoxin type A] Ezepchuk IuV, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):65–70, Oct 75 (Eng. Abstr.) (Rus)

[Phage typization of Staphylococcus aureus strains from staphylococcic mastitis of dairy cows] Havelka B, et al. **Vet Med (Praha)** 20(8):471–6, Aug 75 (Eng. Abstr.) **(Slo)**

ANALYSIS

Immunologically active and structurally similar fragments of protein A from Staphylococcus aureus. Hjelm H, et al. **Eur J Biochem** 57(2):395–403, 15 Sep 75

A linkage unit joining peptidoglycan to teichoic acid in Staphylococcus aureus H. Coley J, et al. **FEBS Lett** 61(2):240–2, 15 Jan 76

Nucleic acid hybridization analysis of an integrated plasmid in Staphylococcus aureus. Novick R, et al. **J Bacteriol** 124(3):1424–8, Dec 75

Detection and quantitation of Staphylococcus aureus penicillinase plasmid deoxyribonucleic acid by reassociation kinetics. Rush M, et al. **J Bacteriol** 124(3):1417–23, Dec 75

Properties of the gamma haemolysin of Staphylococcus aureus 'Smith 5R'. Fackrell HB, et al. **J Gen Microbiol** 92(1):11–24, Jan 76

Qualitative and quantitative methods for detecting staphylococcal epidermolytic toxin. Arbuthnott JP, et al. **J Med Microbiol** 9(2):191–201, May 76

Extraction of a compact colony-forming active substance from Staphylococcus aureus strains. Yoshida K, et al. **Jpn J Microbiol** 19(1):75–6, Feb 75

[Detection of Staphylococcus aureus A protein by conditioned hemagglutination] Flandrois JP, et al. **Ann Biol Clin (Paris)** 33(5):365–8, 1975 (Eng. Abstr.) **(Fre)**

[Purfication of staphylococcal enterotoxins A and C and preparation of anti-enterotoxin sera] Shinagawa K, et al. **Jpn J Bacteriol** 30(6):683–92, Nov 75 (Eng. Abstr.) **(Jpn)**

[Purification and characterization of enterotoxin A produced by Staphylococcus aureus strain 100 mutant] Yamada S, et al. **Jpn J Bacteriol** 31(3):409–19, May 76 (Eng. Abstr.) **(Jpn)**

[Obtaining purified staphylococcal enterotoxin type B] Ezepchuk IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):128–33, May 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Comparative study on two methods for serotyping of Staphylococcus aureus: the Pillet method and the Oeding method. II.–Possible identity between Pillet's antigen 9 and Oeding's antigen h1. Flandrois JP, et al. **Ann Microbiol (Paris)** 126(3):333–42, Oct–Nov 75

Lysogeny-typing of Staphylococcus aureus. Comparison of spontaneous lysogeny, UV ray-induced lysogeny and chemically induced lysogeny. Manthey J, et al. **Arch Immunol Ther Exp (Warsz)** 23(5):631–8, 1975

Experiences and observations with the typing of Staphylococcus aureus phage 94. Marraro RV, et al. **J Clin Microbiol** 1(2):180–4, Feb 75

Staphylococcus aureus-strains of phage group II and their possible relation to animal staphylococci. 1. Antigenic properties, phage typing, and resistance to antibiotics. Galiński J. **Zentralbl Bakteriol [Orig A]** 233(3):288–95, Nov 75

[Effect of murein preparations in the phage inhibition test. Kinetic studies] Beige U, et al. **Z Allg Mikrobiol** 15(5):315–21, 1975 **(Ger)**

[Capsule formation in Staphylococcus aureus as a reason for nontypability by phages (author's transl)] Witte W. **Zentralbl Bakteriol [Orig A]** 233(4):447–51, Dec 75 (Eng. Abstr.) **(Ger)**

[Studies on the intra- and inter-species relationships of bacterial hemolysins. 4th communication. Correlation between type of hemolysis and hemolytic fractions formed by staphylococci] Marica D, et al. **Zentralbl Veterinaermed [B]** 23(2):122–30, Mar 76 (Eng. Abstr.) **(Ger)**

[Sensitivity of Staphylococcus aureus to staphylococcinogenic strains and staphylococcal phages] Kowalska D. **Med Dosw Mikrobiol** 27(3):205–14, 1975 (Eng. Abstr.) **(Pol)**

[Phage typing of strains of Staphylococcus aureus from staphylococcal mastitis of dairy cows] Havelka B, et al. **Vet Med (Praha)** 20(10):471–6, Aug 75 (Eng. Abstr.) **(Slo)**

CYTOLOGY

[Method of oblique illumination in studying the morphology of Staphylococcus aureus colonies sensitive and resistant to antibiotics] Shiriaeva VL. **Antibiotiki** 20(6):518–21, Jun 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Clinical, epidemiologic and bacteriologic observations of an outbreak of methicillin-resistant Staphylococcus aureus at a large community hospital. Klimek JJ, et al. **Am J Med** 61(3):340–5, Sep 76

Clindamycin therapy of Staphylococcus aureus endocarditis. Clinical relapse and development of resistance to clindamycin, lincomycin and erythromycin. Watanakunakorn C. **Am J Med** 60(3):419–25, Mar 76

Antibiotic susceptibility of Staphylococcus aureus in Saigon, South Vietnam. Rhoades ER, et al. **Am J Trop Med Hyg** 25(4):623–5, Jul 76

Transfer of resistance plasmids in Staphylococcus aureus. Fouace J. **Ann Microbiol (Paris)** 125(4):517–20, May–Jun 74

A gentamycin resistance plasmid in staphylococcus aureus. Soussy CJ, et al. **Ann Microbiol (Paris)** 126B(1):91–4, Jul–Aug 75

Staphylococci in community-acquired infections: Increased resistance to penicillin. Hughes GB, et al. **Ann Surg** 183(4):355–7, Apr 76

Cadmium resistance of Staphylococcus aureus determined by penicillinase plasmids. Tynecka Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:17–26, 1974

[Mechanisms of antibiotic resistance in Staphylococcus aureus] Renzini G, et al. **Antibiotica** 12(3–4):134–58, Sep–Dec 74 **(Eng, Ita)**

Relative inactivation by Staphylococcus aureus of eight cephalosporin antibiotics. Fong IW, et al. **Antimicrob Agents Chemother** 9(6):939–44, Jun 76

Association of a penicillin resistance gene with a tetracycline resistance plasmid (PTP-2) in Staphylococcus aureus. Kono M, et al. **Antimicrob Agents Chemother** 9(4):706–12, Apr 76

Effects of subinhibitory concentrations of antibiotics on cross walls of cocci. Lorian V, et al. **Antimicrob Agents Chemother** 9(6):1043–55, Jun 76

Detection of temperature-sensitive tetracycline resistance plasmids in Staphylococcus aureus. May JW, et al. **Antimicrob Agents Chemother** 8(5):606–7, Nov 75

Bacteriological study on effects of beta-lactam group antibiotics in high concentrations. Nishino T, et al. **Antimicrob Agents Chemother** 9(6):1033–42, Jun 76

Induction of erythromycin resistance in Staphyloccus aureus by erythromycin derivatives. Pestka S, et al. **Antimicrob Agents Chemother** 9(1):128–30, Jan 76

Nafcillin treatment of Staphylococcus aureus meningitis. Ruiz DE, et al. **Antimicrob Agents Chemother** 9(3):554–5, Mar 76

Effect of inoculum and of beta-lactamase on the anti-staphylococcal activity of thirteen penicillins and cephalosporins. Sabath LD, et al. **Antimicrob Agents Chemother** 8(3):344–9, Sep 75

Susceptibility of Staphylococcus aureus and Staphylococcus epidermidis to 65 antibiotics. Sabath LD, et al. **Antimicrob Agents Chemother** 9(6):962–9, Jun 76

Minocycline resistance in Staphylococcus aureus: effect on phage susceptibility. Schaefler S, et al. **Antimicrob Agents Chemother** 9(4):600–13, Apr 76

In vitro activity of BL-s640 against gram-negative bacilli and Staphylococcus aureus compared with activity of four other semisynthetic cephalosporins. Vuye A, et al. **Antimicrob Agents Chemother** 9(3):422–32, Mar 76

Isolation and characterization of tetracycline resistance proteins from Staphylococcus aureus and Escherichia coli. Wojdani A, et al. **Antimicrob Agents Chemother** 9(3):526–34, Mar 76

Paradoxical action of penicillin G on Staphylococcus aureus: a time study of the effect of a zonal antibiotic concentration gradient on bacterial growth. Yourassowsky E, et al. **Antimicrob Agents Chemother** 8(3):262–5, Sep 75

Combination antibiotic therapy in staphylococcal endocarditis. The use of methicillin sodium-gentamicin sulfate therapy. Murray HW, et al. **Arch Intern Med** 136(4):480–3, Apr 76

The Rm values of newer penicillins for investigating their spectrum of antibacterial activity. Biagi GL, et al. **Boll Soc Ital Biol Sper** 51(7):403–5, 15 Apr 75

Letter: Penicillin-'sensitive' methicillin-resistant staphylococcus aureus. Brown DF. **Br Med J** 4(5992):344, 8 Nov 75

Letter: Penicillin-'sensitive' methicillin-resistant Staphylococcus aureus. Lacey RW. **Br Med J** 4(5996):579, 6 Dec 75

Susceptibility of clinical isolates of Staphylococcus aureus to killing by oxacillin. Best GK, et al. **Can J Microbiol** 21(11):1692–7, Nov 75

Inhibition of cell wall synthesis by sulfonamides and trimethoprim. Daschner F. **Chemotherapy** 22(1):12–8, 1976

A computer study of bacterial resistance patterns to antibiotics. Driessen JH. **Chemotherapy** 21 Suppl 1:36–46, 1975

The antibacterial efficacy of two trimethoprim-sulphonamide combinations. Knothe H. **Chemotherapy** 22(1):62–9, 1976

Correlation of in vitro resistance of Staphylococcus aureus to tetracycline, doxycycline, and minocycline with in vivo use. Lewis SA, et al. **Chemotherapy** 22(5):319–23, 1976

Comparative studies of the activity of ciclacillin and dicloxacillin. Müekter H, et al. **Chemotherapy** 22(3–4):183–9, 1976

The antimicrobial properties of povidone-iodine methylmethacrylate complex. A preliminary report. Kohlhaas AR, et al. **Clin Orthop** (113):184–6, Nov–Dec 75

Antibiotic susceptibilities of 120 strains of Staphylococcus aureus isolated from patients at a Children's Hospital. Decline of hospital staphylococci as compared with staphylococci in outpatients. A reversal. Yoshioka H, et al. **Clin Pediatr (Phila)** 15(5):428–31, May 76

Studies on the drug resistance of S. aureus and E. coli against antibiotics. pp. 361–85. Otaya H, et al. **In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.**

Rifampicin sensitivity of clinical staphylococcal strains and the development of resistance during rifampicin therapy. pp. 265–8. Samoilova LN, et al. **In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.**

Altered methylation of ribosomal RNA in erythromycin-resistant Staphylococcus aureus. pp. 195–203. Weisblum B. **In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.**

The possibility of a specific plasmid mediating metal resistances. pp. 145–52. Kondo I, et al. **In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.**

Mutant cell lysing property of Jawaharene. Chaudhury S, et al. **Indian J Exp Biol** 13(6):566–7, Nov 75

Nafcillin and oxacillin: comparative antistaphylococcal activity in mice. Yurchenco JA, et al. **J Antibiot (Tokyo)** 29(4):460–5, Apr 76

Relationship between antibiotic consumption and frequency of antibiotic resistance of four pathogens—a seven-year survey. Mouton RP, et al. **J Antimicrob Chemother** 2(1):9–19, Mar 76

Effects of methicillin, cephaloridine and cephalothin on the growth, lysis and viability of some methicillin-resistant strains of Staphylococcus aureus at different temperatures. Vernon GN, et al. **J Antimicrob Chemother** 2(1):41–8, Mar 76

Recombinant plasmid obtained from two different, compatible staphylococcal plasmids. Iordănescu S. **J Bacteriol** 124(2):597–601, Nov 75

Transformation reveals a chromosomal locus of the gene(s) for methicillin resistance in Staphylococcus aureus. Sjöström JE, et al. **J Bacteriol** 123(3):905–15, Sep 75

Sensitivity of Staphylococcus aureus to unsaturated fatty acids. Butcher GW, et al. **J Gen Microbiol** 94(2):290–6, Jun 76

Induction of tetracycline resistance in Staphylococcus aureus in the absence of lipid synthesis. Chopra I. **J Gen Microbiol** 91(2):433–6, Dec 75

The mode of action of bacilysin and anticapsin and biochemical properties of bacilysin-resistant mutants. Kenig M, et al. **J Gen Microbiol** 94(1):46–54, May 76

The antibacterial activity of chloroxylenol in combination with ethylenediaminetetra-acetic acid. Dankert J, et al. **J Hyg (Camb)** 76(1):11–22, Feb 76

Antistaphylococcal activity and beta-lactamase resistance of newer cephalosporins. Farrar WE Jr, et al. **J Infect Dis** 133(6):691–5, Jun 76

Antistaphylococcal activity and beta-lactamase resistance of newer cephalosporins. Farrar WE Jr, et al. **J Infect Dis** 133(6):691–5, Jun 76

Induction of resistance in Staphylococcus aureus and Klebsiella pneumoniae by exposure to cephalothin and cefoxitin. Hoeprich PD, et al. **J Infect Dis** 133(6):681–5, Jun 76

Induction of resistance in Staphylococcus aureus and Klebsiella pneumoniae by exposure to cephalothin and cefoxitin. Hoeprich PD, et al. **J Infect Dis** 133(6):681–5, Jun 76

Genetic and molecular characterisation of resistance determinants in methicillin-resistant Staphylococcus-aureus. Kayser FH, et al. **J Med Microbiol** 9(2):137–48, May 76

Proceedings: The influence of pH on the viability of staphylococcus aureus in the presence of methyl5p-hydroxybenzoate. Allwood MC, et al. **J Pharm Pharmacol** 27 Suppl?-2:21P, Dec 75

Microbial kinetics of drug action against gram-positive and gram-negative organisms. II: Effect of clindamycin on Staphylococcus aureus and Escherichia coli. Heman-Ackah SM. **J Pharm Sci** 64(10):1612–20, Oct 75

Microbial kinetics of drug action against gram-positive and gram-negative organisms. III: Effect of lincomycin and clindamycin combinations on Staphylococcus aureus and Escherichia coli. Heman-Ackah SM. **J Pharm Sci** 64(10):1621–6, Oct 75

An electron microscopic study of antagonism between cephalexin and erythromycin in Staphylococcus aureus. Nishino T. **Jpn J Microbiol** 19(1):53–63, Feb 75

Drug resistance in Staphylococcus aureus. Induction of macrolide resistance by erythromycin, oleandomycin and their derivatives. Ono H, et al. **Jpn J Microbiol** 19(5):343–7, Oct 75

Letter: Ampicillin resistance in Staphylococci. Cargill JS. **Lancet** 1(7952):200, 24 Jan 76

Methicillin-resistant staphylococci 1965–75. Kayser FH. **Lancet** 2(7936):650–3, 4 Oct 75

Gentamicin resistance in Staphylococcus aureus. Porthouse A, et al. **Lancet** 1(7949):20–1, 3 Jan 76

Letter: Gentamicin-resistant staphylococcus aureus. Shannon KP, et al. **Lancet** 2(7985):580–1, 11 Sep 76

Loss of resistance to methicillin and other antibiotics in Staphylococcus aureus associated with a chronic empyema. Annear DI, et al. **Med J Aust** 1(12):399–400, 20 Mar 76

Diverse responses of Staphylococcus aureus NCTC 10442 and some of its variants to methicillin. Annear DI, et al. **Microbios** 12(50):175–8, 1975

Comparative sensitivity of penicillinase producing Staphylococcus aureus to four cephalosporin antibiotics. Bremner DA, et al. **NZ Med J** 82(548):189–90, 24 Sep 75

Morphological changes induced by wall inhibitors in

pyogenic cocci. Bisaillon JG, et al. **Rev Can Biol** 32(2):69–80, Jun 73

Effects of methylmethacrylate on S aureus growth and rabbit alveolar macrophage phagocytosis and glucose metabolism. Nicastro JF, et al. **Surg Forum** 26:501–3, 1975

A bacteriophage S1 derivative that transduces tetracycline resistance to Staphylococcus aureus. Inoue M, et al. **Virology** 68(2):544–6, Dec 75

Recombination between phage S1 and the TC-resistant gene on Staphylococcus aureus plasmid. Inoue M, et al. **Virology** 72(2):322–9, 15 Jul 76

Integration of the erythromycin (ero) resistance gene of a staphylococcal plasmid into S1ppen.ion phage. Inoue M, et al. **Virology** 73(1):295–8, Aug 76

[Effect of a polysan preparation for the treatment of acne on the growth of Corynebacterium acnes and Staphylococcus pyogenes aureus] Heller J, et al. **Cesk Dermatol** 50(4):235–40, Aug 75 (Eng. Abstr.) **(Cze)**

[Concentration and antimicrobial activity of nitrofurantoin and hydroxymethylnitrofurantoin in urine] Tromp FJ, et al. **Ned Tijdschr Geneeskd** 120(21):911–8, 22 May 76 (Eng. Abstr.) **(Dut)**

[Resistance to association of antibiotics (polymyxin and penicillin) in relation to cell concentration of two bacterial species in the same inoculum. Complementary inoculum effect] Kauffmann J. **C R Acad Sci [D] (Paris)** 280(9):1185–8, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Pleuro-pulmonary staphylococcal infection due to heterogenous resistant staphylococcus aureus. Role of the medical bacteriological laboratory] Pesnel G, et al. **Nouv Presse Med** 4(32):2321–4, 4 Oct 75 (31 ref.) **(Fre)**

[Kinetics of the anti-staphylococcal activity of bakuchiol in vitro (author's transl)] Kaul R. **Arzneim Forsch** 26(4):486–9, Apr 76 (Eng. Abstr.) **(Ger)**

[Studies on talampicillin. II. Antibacterial activity and clinical results] Saito A, et al. **J Jpn Assoc Infect Dis** 49(11):470–6, Jul 75 (Eng. Abstr.) **(Jpn)**

[Bacteriological studies on talampicillin hydrochloride] Yano K, et al. **J Jpn Assoc Infect Dis** 49(11):697–707, Jul 75 (Eng. Abstr.) **(Jpn)**

[Arsenic resistance of Staphylococcus aureus and Klebsiella pneumoniae] Ishikawa T, et al. **Jpn J Bacteriol** 30(1):98, Jan 75 **(Jpn)**

[Sensitivity of Staphylococcus aureus strains to dicloxacillin Polfa and serum concentrations of dicloxacillin sodium following oral administration] Szczygiel B, et al. **Pol Tyg Lek** 30(52):2189–91, 29 Dec 75 (Eng. Abstr.) **(Pol)**

[Sensitivity to antibiotics of Staphylococcus aureus isolated from patients treated in Warsaw hospitals in the years 1968–1975] Tubylewicz H, et al. **Pol Tyg Lek** 31(11):429–31, 15 Mar 76 (Eng. Abstr.) **(Pol)**

[Study of the joint action of lysozyme and the antibiotics, tetracycline, erythromycin and levomycetin, on Staphylococcus aureus] Belizhenko GG, et al. **Antibiotiki** 20(4):354–6, Apr 75 **(Rus)**

[Action of heliomycin on protein and mucleic acid synthesis in Staphylococcus aureus] Bulgakova VG, et al. **Antibiotiki** 20(4):350–4, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of antimicrobial preparations on thermogenesis in yeast-like fungi and in staphylococcus] Demchuk BN, et al. **Antibiotiki** 21(3):222–6, Mar 76 (Eng. Abstr.) **(Rus)**

[Action of heliomycin on the incorporation of labelled protein precursors and nucleic acid in Staphylococcus aureus cells] Korolev PN, et al. **Antibiotiki** 20(6):503–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Antibiotic sensitivity of nonpigmented variants of Staphylococcus aureus] Popov IuA, et al. **Antibiotiki** 20(4):357, Apr 75 **(Rus)**

[Resistance of the Staphylococcus aureus isolated from patients operated on for cardiovascular diseases to penicillins, cephalosporins and the salts of heavy metals, their lysogenicity and phagotype] Vaintraub EA, et al. **Antibiotiki** 20(6):526–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Method of determining the sensitivity of Staphylococcus aureus to methicillin] Zueva VS, et al. **Antibiotiki** 21(3):226–30, Mar 76 (Eng. Abstr.) **(Rus)**

[Properties of a bactericidal substance isolated from Ornithodoros papillipes tics] Podboronov VM, et al. **Med Parazitol (Mosk)** 44(6):716–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Bactericidal properties of volatile fractions of garlic phytoncids] Borukh IF, et al. **Prikl Biokhim Mikrobiol** 11(3):478–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Resistance of different strains of pathogenic staphylococcus to unfavorable environmental factors] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):61–5, Nov 75 (Eng. Abstr.) **(Rus)**

[The combined effect of supraoptimal temperature and chemotherapeutic preparations on the metabolism of adenylic nucleotides by Staphylococcus aureus] Kuliash IuV. **Zh Mikrobiol Epidemiol Immunobiol** (11):58–61, Nov 75 (Eng. Abstr.) **(Rus)**

[The action of acridine derivatives on penicillinase production by staphylococcus aureus] Shraer DP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):56–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Sensitivity of Streptococcus agalactiae and Staphylococcus aureus strains to antibiotics in Slovakia during 1974] Havelka B. **Vet Med (Praha)** 20(10):455–61, Aug 75 (Eng. Abstr.) **(Slo)**

[Susceptibility of 609 strains of Staphylococcus aureus, isolated during 1973–1974 from various infectious processes in children, to various antibiotics] Filloy L, et al. **Bol Med Hosp Infant Mex** 33(2):473–9, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

The amino acid sequence of Staphylococcus aureus penicillinase. Ambler RP. **Biochem J** 151(2):197–218, Nov 75

The mechanism of folding of globular proteins. Equilibria and kinetics of conformational transitions of penicillinase from Staphylococcus aureus involving a state of intermediate conformation. Robson B, et al. **Biochem J** 155(2):331–44, 1 May 76

The active site of penicillinase from Staphylococcus aureus PC1. Isolation of a specific covalent complex with the substrate quinacillin. Virden R, et al. **Biochem J** 149(2):397–401, Aug 75

Lipovitellenin-lipase and deoxyribonuclease activities of hospital staphylococci. Fu SP, et al. **Chin J Microbiol** 8(4):289–91, Dec 75

Adenylylation of streptomycin by Staphylococcus aureus: a new streptomycin adenylyltransferase. pp. 463–73. Suzuki I, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Preparation of chromophoric substrates for the glutamoyl specific staphylococcal protease. Houmard J. **Int J Pept Protein Res** 8(2):199–204, 1976

Nitrate reductase activity in heme-deficient mutants of Staphylococcus aureus. Burke KA, et al. **J Bacteriol** 126(1):225–31, Apr 76

Isolation and characterization of a mutant of Staphylococcus aureus deficient in autolytic activity. Chatterjee AN, et al. **J Bacteriol** 125(3):961–7, Mar 76

Activation of C55-isoprenoid alcohol phosphokinase from Staphylococcus aureus. I. Activation by phospholipids and fatty acids. Gennis RB, et al. **J Biol Chem** 251(5):1264–9, 10 Mar 76

Activation of C55-isoprenoid alcohol phosphokinase from Staphylococcus aureus. III. Activation by detergents. Gennis RB, et al. **J Biol Chem** 251(5):1277–82, 10 Mar 76

Activation of C55-isoprenoid alcohol phosphokinase from Staphylococcus aureus. II. Biophysical studies. Gennis RB, et al. **J Biol Chem** 251(5):1270–6, 10 Mar 76

Location of the coagulase gene in Staphylococcus aureus. Parisi JT, et al. **J Med Microbiol** 9(1):111–4, Feb 76

A rapid, simple agar-overlay method for the detection of pencillinase-producing Staphylococcus aureus in the clinical bacteriology laboratory. Wong KW, et al. **Jpn J Microbiol** 20(2):153–4, Apr 76

Characterization of mutations in the penicillinase operon Staphylococcus aureus. Imsande J, et al. **Mol Gen Genet** 147(1):23–7, 10 Aug 76

[ANT(4')]: a new aminoglycoside nucleotidyltransferase found in 'staphylococcus aureus' (author's transl)] Le Goffic F, et al. **Ann Microbiol (Paris)** 127(3):391–9, Apr 76 (Eng. Abstr.) **(Fre)**

[Purification of staphylokinase produced by lysogeny by phage phi 2] Fujise K, et al. **Jpn J Bacteriol** 30(1):142, Jan 75 **(Jpn)**

[Prevalence of markers characteristic for penicillinase plasmids in clinical strains of straphylococci] Ponomareva TR, et al. **Antibiotiki** 21(7):604–8, Jul 76 (Eng. Abstr.) **(Rus)**

[Desoxyribonuclease and lecithinase activity in antibiotic-resistant and -sensitive staphylococci] Shiriaeva VL. **Antibiotiki** 20(8):729–32, Aug 75 (Eng. Abstr.) **(Rus)**

[Study of acetyl-CoA-synthetase from staphylococcus aureus] Ignatov VV, et al. **Biokhimiia** 40(2):276–80, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Acetyl-CoA-synthetase activity of pigmented staphylococci] Ignatov VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):104–6, Dec 75 (Eng. Abstr.) **(Rus)**

[Ultrastructure of L forms. Report 5. localization of dehydrogenase activity in L form cells] Kats LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):67–9, Feb 76 (Eng. Abstr.) **(Rus)**

[Study of the effect of nitrofurans on NAD-dependent dehydrogenases of Staphylococcus aureus] Kuliash IuV, et al. **Mikrobiol Zh** 37(1):106–10, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Effect of the antistaphylococcal gamma-globulin and its combinations with solafur on penicillinase activity of staphylococci] Liubich VV. **Mikrobiol Zh** 37(4):472–5, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

GROWTH & DEVELOPMENT

Energy dependency on the salt-resistance of Staphylococcus aureus: Effects of various inhibitors on the growth in high salinity condition. Tomochika K. **Acta Med Okayama** 29(3):171–82, Jun 75

A technique for obtaining linear heat-survivor curves with Staphylococcus aureus and its application to the assay of sublethal heat injury. Hurst A, et al. **Can J Microbiol** 21(11):1880–84, Nov 75

Salt-mediated kill and inhibition of thermally injured (ribosome deficient) Staphylococcus aureus. pp. 137–44. Haight RD.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Antithiamine effect of methyl sinapate on the growth of Staphylococcus aureus & on rat erythrocyte transketolase activity. Bhattacharya J, et al. **Indian J Exp Biol** 13(5):474–5, Sep 75

Chemical and biological properties of extracellular slime produced by Staphylococcus aureus grown in high-carbohydrate, high-salt medium. Brock JH, et al. **Infect Immun** 13(3):653–60, Mar 76

Subcutaneous multiplication of exfoliatin-producing staphylococci. Kapral FA. **Infect Immun** 13(3):682–7, Mar 76

On the morphogenesis of the cell wall of staphylococci. Giesbrecht P, et al. **Int Rev Cytol** 44:225–318, 1976 (348 ref.)

Experimental studies with Staphylococcus aureus in M-K media. Brightbill FS, et al. **Invest Ophthalmol** 15(1):32–4, Jan 76

Effect of chlorothiazide and furosemide diuresis on in vivo growth of Staphylococcus aureus in kidneys of mice. Furtado D. **Invest Urol** 13(6):414–7, May 76

Inhibition of thymidine uptake by staphylococci, a new method for the investigation of phagocytosis. Foroozanfar N, et al. **J Immunol Methods** 11(3–4):345–53, 1976

The influence of growth medium on the interactions between Bordetella pertussis and Staphylococcus aureus. Wyatt TD, et al. **J Med Microbiol** 9(2):243–6, May 76

Growth of Staphylococcus aureus, experimentally inoculated in Damietta cheese. Helmy ZA, et al. **Zentralbl Bakteriol [Naturwiss]** 130(5):468–76, 1975

Effect of sodium chloride on the staphylococcal growth in milk. Helmy ZA, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):334–42, 1975

[Dynamics of multiplication and changes in the virulence of various pathogenic microorganisms in milk and milk products] Toshkov A, et al. **Acta Microbiol Virol Immunol (Sofiia)** 1:40–5, 1975 (Eng. Abstr.) **(Bul)**

[Effect of temperature and storage time of industrial feed mixtures on the occurrence of presence of Staphylococcus aureus] Borkowska-Opacka B, et al. **Pol Arch Weter** 18(1):35–43, 1975 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

A comparison of antigenic structure and phage pattern with biochemical properties of Staphylococcus aureus strains isolated from sheep. Oeding P, et al. **Acta Pathol Microbiol Scand [B]** 84(1):61–5, Feb 76

Glomerulonephritis due to Staphylococcus aureus antigen. Pertschuk LP, et al. **Am J Clin Pathol** 65(3):301–7, Mar 76

Leukocyte response of bovine mammary gland to injection of killed cells and cell walls of Staphylococcus aureus. Targowski SP, et al. **Am J Vet Res** 36(11):1561–5, Nov 75

Suppression of pulmonary antibacterial activity following Sendai virus infection in mice: dependence on virus dose. Jakab GJ. **Arch Virol** 48(4):385–90, 1975

Immunoadjuvant activities of peptidoglycan subunits from the cell walls of Staphyloccus aureus and Lactobacillus plantarum. Kotani S, et al. **Biken J** 18(2):93–103, Jun 75

Humoral antibody response to cattle to formalinized Staphylococcus aureus vaccine. Mukkur TK, et al. **Can J Microbiol** 21(11):1756–9, Nov 75

Studies on phagocytosis in fish. I. In vitro uptake and killing of living Staphylococcus aureus by peripheral leucocytes of carp (Cyprinus carpio). Avtalion RR, et al. **Immunology** 29(6):1181–7, Dec 75

Immunity to pyogenic bacteria. pp. 351–4. Ginsburg I, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.

Characterization of the surface antigens of Staphylococcus aureus. pp. 136–45. Karakawa WW, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973. (18 ref.)

Effect of staphylococcal protein A on complement-potentiated neutralization of herpes simplex virus and immune lysis of virus-infected cells. Austin RM, et al. **Infect Immun** 12(4):821–7, Oct 75

Purification and characterization of a staphylococcal epidermolytic toxin. Dimond RL, et al. **Infect Immun** 13(2):627–33, Feb 76

Comparison of subcutaneous and intraperitoneal staphylococcal infections in normal and complement-deficient mice. Easmon CS, et al. **Infect Immun** 13(2):399–406, Feb 76

Inhibitory effect of flavin mononucleotide on the hemolysis of rabbit erythrocytes by staphylococcal alpha-toxin. Kato I, et al. **Infect Immun** 12(3):696–7, Sep 75

Mitogenicity of formalinized toxoids of staphylococcal enterotoxin B. Spero L, et al. **Infect Immun** 12(5):1018–20, Nov 75

Staphylococcal scalded-skin syndrome: development of a primary binding assay for human antibody to the exfoliative toxin. Wiley BB, et al. **Infect Immun** 13(2):513–20, Feb 76

Counterimmunoelectrophoresis of staphylococcal antibody. Fedorko J, et al. **J Clin Microbiol** 3(6):599–603, Jun 76

An improved method for isolation of H-2 and Ia alloantigens with immunoprecipitation induced by protein A-bearing staphylococci. Cullen SE, et al. **J Immunol** 117(1):136–42, Jul 76

Rapid isolation of antigens from cells with a staphylococcal protein A–antibody adsorbent: parameters of the interaction of antibody–antigen complexes with protein A. Kessler SW. **J Immunol** 115(6):1617–24, Dec 75

Structural requirements for arthritogenicity of peptidoglycans from Staphylococcus aureus and Lactobacillus plant arum and analogous synthetic compounds. Kohashi O, et al. **J Immunol** 116(6):1635–9, Jun 76

Nonspecific resistance to Listeria monocytogenes in mice infected and elicited with Staphylococcus aureus. Baughn RE, et al. **Med Microbiol Immunol (Berl)** 161(4):243–52, 19 Sep 75

The effect of intramuscular and intramammary vaccination of cows on antibody levels and resistance to intramammary infection by Staphylococcus aureus. Brock JH, et al. **Res Vet Sci** 19(2):152–8, Sep 75

Enhancement of in vitro phagocytosis of Staphylococcus aureas by polymorphonuclear leucocytes. Watson DL. **Res Vet Sci** 19(3):288–92, Nov 75

Protein A reactivity of two distinct groups of human monoclonal IgM. Lind I, et al. **Scand J Immunol** 4(8):843–8, 1975

Staphylococcal agglutination–inhibition reaction: a rapid and simple test for dengue antibodies. Cheong CY, et al. **Singapore Med J** 16(3):194–5, Sep 75

Cell–mediated immune reactions in vitro to cell walls and peptidoglycan from Staphylococcus aureus. Targowski SP, et al. **Z Immunitaetsforsch** 149(2–4):295–301, Jul 75

[Influence of 'clumping factor' from Staphylococcus aureus on phagocytosis (author's transl)] Hasche KD, et al. **Zentralbl Bakteriol [Orig A]** 232(4):446–53, Aug 75 (Eng. Abstr.) **(Ger)**

[Serological studies on Staph. aureus strains from various processes of a disease of human origin (author's transl)] Oehring H, et al. **Zentralbl Bakteriol [Orig A]** 230(1):15–27, Jan 75 (Eng. Abstr.) **(Ger)**

[Anti–infective antigen of non–capsulated Staphylococcus aureus strains] Ichihata Y, et al. **Jpn J Bacteriol** 30(1):196, Jan 75 **(Jpn)**

[Host resistance against Staphylococcus aureus CH–91 stain in sensitized mice] Takeuchi M, et al. **Jpn J Bacteriol** 30(1):197, Jan 75 **(Jpn)**

[Immunogenicity of experimental staphylococcal vaccines prepared from various strains of Staphylococcus aureus] Wysokińska T, et al. **Med Dosw Mikrobiol** 28(2):99–107, 1976 (Eng. Abstr.) **(Pol)**

[Antistaphylococcal bacteriostatic activity of the sera from surgical patients] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):55–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Production of highly active, luminescent staphylococcal sera] Oleĭnik II, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):128–9, Jun 76 **(Rus)**

ISOLATION & PURIFICATION

Pneumonia and pleural effusion. Association with influenza A virus and Staphylococcus aureus. Mausbach TW, et al. **Am J Dis Child** 130(9):1005–6, Sep 76

Carriage patterns of Staphylococcus aureus in a healthy non–hospital population of adults and children. Armstrong–Esther CA. **Ann Hum Biol** 3(3):221–7, May 76

Microbiological quality of frozen breaded fish and shellfish products. Baer EF, et al. **Appl Environ Microbiol** 31(3):337–41, Mar 76

A study of the number and phage patterns of Staphylococcus aureus in an abattoir. Peel B, et al. **Aust Vet J** 51(3):126–30, Mar 75

Enumeration of sublethally heated staphylococci in some dried foods. Hurst A, et al. **Can J Microbiol** 22(5):677–83, May 76

The incidence and pattern of sepsis among general surgical in–patients at Muhimbili hospital, Dar es Salaam, 1973. Shija JK. **East Afr Med J** 53(3):153–9, Mar 76

Direct plating method for enumeration of Staphylococcus aureus: collaborative study. Baer EF, et al. **J Assoc Off Anal Chem** 58(6):1154–8, Nov 75

Blood culture technique based on centrifugation: developmental phase. Dorn GL, et al. **J Clin Microbiol** 3(3):251–7, Mar 76

Pathogenesis of experimental mastitis in the mouse caused by a strain of Staphylococcus aureus of low virulence and its modification by endotoxin. Anderson JC. **J Comp Pathol** 85(4):531–8, Oct 75

Airborne infection in a fully air–conditioned hospital. IV. Airborne dispersal of Staphylococcus aureus and its nasal acquisition by patients. Lidwell OM, et al. **J Hyg (Camb)** 75(3):445–74, Dec 75

Enterococcal endocarditis in heroin addicts. Reiner NE, et al. **JAMA** 235(17):1861–3, 26 Apr 76

Letter: Penicillin–resistant staphylococcus aureus Block CS, et al. **S Afr Med J** 50(31):1192, 17 Jul 76

An investigation into the prevalence of S aureus on avian feet. Cooper JE, et al. **Vet Rec** 98(9):172–4, 28 Feb 76

[An investigation into the presence of staphylococci in farm milk (author's transl)] Bijker PG, et al. **Tijdschr Diergeneeskd** 101(7):365–71, 1 Apr 76 **(Dut)**

[Inspection of the bovine udder (author's transl)] Nooitgedagt AJ. **Tijdschr Diergeneeskd** 101(10):537–42, 15 May 76 (Eng. Abstr.) **(Dut)**

[Healing process of colonic anastomosis after contamination with Staphylococcus aureus (author's transl)] Langer S, et al. **Langenbecks Arch Chir** 341(1):1–9, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Laboratory methods for the control of Staphylococcus aureus] Rische H. **Z Gesamte Hyg** 21(10):796–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Kidney lodgment of staphylococcus: its relationship to the growth patterns of S. epidermidis and S. aureus in serum–soft agar] Kuno M, et al. **Jpn J Bacteriol** 30(6):693–7, Nov 75 (Eng. Abstr.) **(Jpn)**

[Investigations on the occurrence of Staphylococcus aureus in the sputum of patients with tuberculosis of the lungs during the course of streptomycin treatment (author's transl)] Mysakowska H, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:177–82, 1974 (Eng. Abstr.) **(Pol)**

[Best methods for the detection of staphylococci in feed mixture. III. Effect of sample preincubation on the most probable number (MPN) of staphylococci in 1 gram of feed] Borkowska–Opacka B, et al. **Pol Arch Weter** 18(1):45–51, 1975 (Eng. Abstr.) **(Pol)**

[Indentification of staphylococci of hospital origin. I. Specific identification of staphylococci] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):96–100, Jan 76 (Eng. Abstr.) **(Rus)**

[Etiology of common impetigo] Banfi A, et al. **Rev Chil Pediatr** 46(1):31–3, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Experimental removal of microorganisms from water by the contact coagulation method] Zelepukha SI, et al. **Mikrobiol Zh** 37(5):648–52, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Adaptive changes in cardiolipin content of Staphylococcus aureus grown in different salt concentrations. Takatsu T. **Acta Med Okayama** 29(6):413–20, Dec 75

Changes in the oxygen uptake by Staphylococcus aureus Oxford in response to changes in the environment. Tynecka Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:1–10, 1974

Comparison of the binding of penicillin G to staphylococcal L–form and its parent strain membranes. Suginaka H. **Antimicrob Agents Chemother** 9(3):544–5, Mar 76

Heterogeneity of Staphylococcus aureus enterotoxin B as a function of growth stage: implications for surveillance of foods. Chesbro W, et al. **Appl Environ Microbiol** 31(4):581–9, Apr 76

Effect of starter culture on staphylococcal enterotoxin and thermonuclease production in dry sausage. Niskanen A, et al. **Appl Environ Microbiol** 31(1):11–20, Jan 76

Derivation of high enterotoxin B–producing mutants of Staphylococcus aureus from the parent strains. Altenbern RA. **Appl Microbiol** 30(2):271–5, Aug 75

Host controlled restriction mutants of Staphylococcus aureus. Iordănescu S. **Arch Roum Pathol Exp Microbiol** 34(1–2):55–8, Jan–Jun 75

Studies on the mechanism of phosphorylation and transport of beta–galactosides by the lactose phosphotransferase system of Staphylococcus aureus. Kinetic investigations using tosyl galactosides as reversible dead–end inhibitors. Hays JB, et al. **Biochim Biophys Acta** 443(2):267–83, 16 Aug 76

Studies on hydrolysis and synthesis of fats in staphylococcus aureus and candida lipolytica. Alonzo V, et al. **Boll Ist Sieroter Milan** 54(2):90–7, 26 Jun 75 (Eng. Abstr.)

Enterotoxin B formation by fermentation mutants of Staphylococcus aureus. Altenbern RA. **Can J Microbiol** 22(2):182–8, Feb 76

Effect of biotin deficiency on some properties of Staphylococcus aureus isolates from humans and other animals. Adekeye JD, et al. **Infect Immun** 13(2):475–9, Feb 76

In vitro system for the synthesis of teichoic acid linked to peptidoglycan. Bracha R, et al. **J Bacteriol** 125(3):872–9, Mar 76

Magnitude of the protonmotive force in respiring Staphylococcus aureus and Escherichia coli. Collins SH, et al. **J Bacteriol** 126(3):1224–31, Jun 76

In vitro synthesis of the unit that links teichoic acid to peptidoglycan. Hancock I, et al. **J Bacteriol** 125(3):880–6, Mar 76

Biosynthesis of peptidoglycan in Staphylococcus aureus: incorporation of the Nepsilon–Ala–Lys moiety into the peptide subunit of nascent peptidoglycan. Swenson JC, et al. **J Bacteriol** 125(2):626–34, Feb 76

Inhibition by 6–O–tosyl galactosides of beta–galactoside phosphorylation and transport by the lactose phosphotransferase system of Staphylococcus aureus. Hays JB, et al. **J Biol Chem** 250(22):8834–9, 25 Nov 75

Regulation of carbohydrate uptake in gram–positive bacteria. Saier MH Jr, et al. **J Biol Chem** 251(3):893–4, 10 Feb 76

Two serotypes of exfoliatin and their distribution in staphylococcal strains isolated from patients with scalded skin syndrome. Kondo I, et al. **J Clin Microbiol** 1(5):397–400, May 75

Analysis of acetoin and diacetyl in bacterial culture supernatants by gas–liquid chromatography. Lee SM, et al. **J Clin Microbiol** 2(3):162–4, Sep 75

Production and purification of the gamma haemolysin of Staphylococcus aureus 'Smith 5R'. Fackrell HB, et al. **J Gen Microbiol** 92(1):1–10, Jan 76

Loss of D–alanine during sublethal heating of Staphylococcus aureus S6 and magnesium binding during repair. Hurst A, et al. **J Gen Microbiol** 89(2):277–84, Aug 75

Lipolytic activity of Staphylococcus aureus from different sources. Van Bijsterveld OP. **J Med Microbiol** 9(2):225–8, May 76

Partial characterisation of an inhibitor of streptolysin O produced by bacterial growth in serum. Watson KC, et al. **J Med Microbiol** 8(4):465–76, Nov 75

Thymineless bacteriophage induction in Staphylococcus aureus. II. Specific transduction of constitutive and inducible erythromycin resistance. Lindberg M, et al. **J Virol** 16(6):1367–74, Dec 75

Thymineless bacteriophage induction in Staphylococcus aureus. I. High–frequency transduction with lysates containing a bacteriophage related to bacteriophage phi 11. Rudin L, et al. **J Virol** 16(6):1357–66, Dec 75

Microorganism capable of decomposing N–acetylglucosaminyl ribitol teichoic acid of Staphylococcus aureus. Iwata S, et al. **Jpn J Microbiol** 20(2):123–9, Apr 76

Indepencence of plasmid incompatibility and replication control functions in Staphylococcus aureus. Novick RP, et al. **Nature** 262(5569):623–6, 12 Aug 76

Plasmid interactions in Staphylococcus aureus: nonadditivity of compatible plasmid DNA pools. Ruby C, et al. **Proc Natl Acad Sci USA** 72(12):5031–5, Dec 75

[Studies of enterotoxin production by strains of Staphylococcus aureus of different origins (author's transl) Mochmann H, et al. **Zentralbl Bakteriol [Orig A]** 234(4):434–49, May 76 (Eng. Abstr.) **(Ger)**

[Staphylococcal TEN. Conditions for exfoliative toxin production] Shioda H, et al. **Jpn J Bacteriol** 30(1):147, Jan 75 **(Jpn)**

[The influence of growth conditions on the composition of free amino acids in cells of staphylococcus and its pigmentless mutant] Mel'nikov GV, et al. **Mikrobiologiia** 45(2):319–21, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Respiration and dehydrogenase activity of pigmentless variants of Staphylococcus aureus] Popov IuA, et al. **Mikrobiologiia** 44(6):1094–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Mechanisms of staphylococcal virulence in relation to bovine mastitis. Anderson JC. **Br Vet J** 132(3):229–45, May–Jun 76 (171 ref.)

Selective adhesion of microorganisms to the ductular epithelium of the bovine mammary gland. Frost AJ. **Infect Immun** 12(5):1154–6, Nov 75

Studies on the pathogenicity of thiamineless dwarf–colony variants of Staphylococcus aureus isolated from the bovine udder. Ziv G, et al. **Res Vet Sci** 20(3):288–94, May 76

[Pathogenicity test for staphylococci by the use of adrenaline (author's transl)] Selli M. **Acta Microbiol Acad Sci Hung** 23(1):1–5, 1976 (Eng. Abstr.) **(Ger)**

[Effect of starvation of Staphylococcus aureus on its virulence for white mice] Mikucki J, et al. **Med Dosw Mikrobiol** 28(2):93–8, 1976 (Eng. Abstr.) **(Pol)**

[Effect of a steady magnetic field on several properties of a pathogenetic staphylococcus] Khar'kova NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):145–6, Jan 76 **(Rus)**

[Specific and nonspecific factors that influence the transduction of genetic determinants for penicillinase activity and pathogenicity in Staphylococcus aureus. III. The prevention of the transduction of penicillinase determinants by acridine derivatives] Shraer DP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):103–6, Sep 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of Staphylococcus aureus on in vitro intestinal absorption in mice. Madge DS. **Comp Biochem Physiol [A]** 52(2):395–401, 1 Oct 75

Genetic linkage of chromosomal tetracycline resistance and pigmentation to a purine auxotrophic marker and the isoleucine–valine–leucine structural genes in Staphylococcus aureus. Pattee PA. **J Bacteriol** 127(3):1167–72, Sep 76

Prophage–dependent plasmid integration in Staphylococcus aureus. Schwesinger MD, et al. **J Bacteriol** 123(2):724–38, Aug 75

Indirect induction of a Staphylococcus aureus prophage by P11de a plasmid phage hybrid. Smith P, et al. **Mol Gen Genet** 137(1):79–83, 1975

An investigation of antibiotic resistance of Staphylococcus aureus in general practice. Manners BT, et al. **Practitioner** 216(1294):439–42, Apr 76

[The role of the carotenoid pigments of staphylococcus in the response of cells to temperature changes] Ignatov VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):65–7, Nov 75 **(Rus)**

RADIATION EFFECTS

[Sensitivity to the lethal action of UV rays of a Staphylococcus aureus strain in relation to the number of prophages present] Karska–Wysocki B, et al. **Rev Can Biol** 32(3):151–6, Sep 73 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Doxycycline and mesosome ultrastructure in Staphylococcus aureus] Pezzi R, et al. **Antibiotica** 12(1):33–9, Mar 74 **(Eng, Ita)**

Alterations in the composition and bacteriophage–binding properties of walls of Staphylococcus aureus H grown in continuous culture in simplified defined media. Archibald AR, et al. **Biochim Biophys Acta** 406(1):60–7, 16 Sep 75

An electron–microscopic study on morphological changes of Staphylococcus aureus treated with spiramycin. Nakao M, et al. **J Antibiot (Tokyo)** 27(12):970–5, Dec 74

[Electron microscopic investigations on encapsulated Staphylococci (author's transl)] Kitzrow D, et al. **Zentralbl Bakteriol [Orig A]** 234(2):170–6, Mar 76 (Eng. Abstr.) **(Ger)**

[Changes in the ultrastructure of Staph. aureus cells under the action of certain antibiotics] Zhukov VG, et al. **Antibiotiki** (9):813–7, Sep 75 (Eng. Abstr.) **(Rus)**

STAPHYLOMYCIN see **VIRGINIAMYCINS**

STARCH

A method of removing starch powder from surgeons' gloves. Kent SJ, et al. **Ann R Coll Surg Engl** 57(4):212–4, Oct 75

The capacity of alpha–amylases to catalyze the nonhydrolytic degradation of starch and glycogen with formation of novel glycosylation products. Takeshita M, et al. **Arch Biochem Biophys** 169(2):627–37, Aug 75

Ultrastructure of acid– and enzyme–modified cross–linked potato starch. Hollinger G, et al. **Biopolymers** 14(2):265–76, Feb 75

Proceedings: Effect of moisture content on the physical properties of a starch granulation. Cole ET, et al. **J Pharm Pharmacol** 27 Suppl?–2:1P, Dec 75

Starch paste granulations: binder dilution effects on granulations and tablets. Hill PM. **J Pharm Sci** 65(2):313–4, Feb 76

Amylophagia during pregnancy: some maternal and perinatal correlations. Keith D, et al. **Mt Sinai J Med NY** 42(5):410–4, Sep–Oct 75

A comparison of dietary starch and dietary sucrose in the pig. Bruckdorfer KR, et al. **Nutr Metab** 19(5–6):225–32, 1975

Some metabolic effects of prolonged feeding of starch, sucrose, fructose and carbohydrate–free diet in the rat. Tuovinen CG, et al. **Nutr Metab** 19(3–4):161–72, 1975

Glycerol, propylene glycol and triacetin as dietary starch substitutes: some effects on rats. Shapira J, et al. **Proc West Pharmacol Soc** 18:339–43, 1975

[Progress in the production and control of tablets. XVII. Native starches as pharmaceutic aids] Chalabala M, et al. **Cesk Farm** 25(3–4):125–8, May 76 **(Cze)**

[Centrifugation in the technology of enzyme preparations. III. Temperature conditions in the centrifuge and amylolytic activity] Libický A, et al. **Cesk Farm** 24(4–5):154–9, Jun 75 (Eng. Abstr.) **(Cze)**

[Influence of water penetration on the disintegration of tablets with a starchy base] Couvreur P, et al. **Ann Pharm Fr** 33(12):683–92, Dec 75 (Eng. Abstr.) **(Fre)**

[Tablets. XII. Influence of the nature of certain adjuvants on the qualities of grains and tablets of sulfanilamide. Study of paired diluants: potato starch––tricalcium phosphate] Ambandh MY, et al. **J Pharm Belg** 29(6):523–38, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Tablets. XIII. Influence of the nature of certain adjuvants on the qualities of grains and tablets of sulfanilamide. Study of paired diluants: potato starch––monocalcium phosphate, potato starch––dicalcium phosphate] Ambandh MY, et al. **J Pharm Belg** 29(6):539–59, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Mechanism of disintegration of tablets with a starch base] Couvreur P, et al. **J Pharm Belg** 29(5):399–414, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[On the lacking teratogenic effect of the plasmaexpander hydroxyethyl starch in the rat and mouse (author's transl)] Ivankovic S, et al. **Anaesthesist** 24(5):244–5, May 75 (Eng. Abstr.) **(Ger)**

[Hydroxyethyl starch as plasma substitute: experiments in isovolamic haemodilution (author's transl)] Jesch F, et al. **Anaesthesist** 24(5):202–9, May 75 (Eng. Abstr.) **(Ger)**

[The influence of the plasmaexpander hydroxyethyl starch on the serological blood grouping tests as compared to dextran 60 and whole blood (author's transl)] Kleine N. **Anaesthesist** 24(5):225–7, May 75 (Eng. Abstr.) **(Ger)**

[Effect of starchsulfate on properties of protein fibers] Schmandke H, et al. **Nahrung** 20(1):33–5, 1976 (Eng. Abstr.) **(Ger)**

[Value of the 'amylose number' in determination of starch damage] Seidemann J. **Nahrung** 20(4):387–93, 1976 (Eng. Abstr.) **(Ger)**

[Influence of increasing tapioca supplements on nitrogen metabolism in wethers] Pfeffer E, et al. **Z Tierphysiol** 35(2–3):93–100, Jul 75 (Eng. Abstr.) **(Ger)**

[Influence of various types of starch on the softening time of tablets II] Zecchi V, et al. **Boll Chim Farm** 114(9):528–33, Sep 75 (Eng. Abstr.) **(Ita)**

[Proposed method for softening time of tablets containing rice starch and its use in the quantitative evaluation of the activity of a disaggregating agent] Zecchi V, et al. **Farmaco [Prat]** 30(2):98–106, Feb 75 (Eng. Abstr.) **(Ita)**

[Erythrocyte freezing in the presence of hydroxyethyl starch] Daszyński J, et al. **Acta Haematol Pol** 7(2):155–61, 1976 (Eng. Abstr.) **(Pol)**

[Effect of qualitatively different carbohydrates on the lipoprotein spectrum and lipid composition of the blood in experimental animals] Markelova VF, et al. **Biull Eksp Biol Med** 81(4):413–5, 1976 (Eng. Abstr.) **(Rus)**

[Dialdehyde starches and their hygienic evaluation] Zaĭtsev AN, et al. **Vopr Pitan** (4):65–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Potato starch and caecal hypertrophy in the rat. El–Harith EA, et al. **Food Cosmet Toxicol** 14(2):115–21, Apr 76

Letter: Glove–starch granulomatous disease. Jager RM. **JAMA** 235(24):2583, 14 Jun 76

Starch granulomatous peritonitis. Pazcoguin SP, et al. **NY State J Med** 75(10):1743–5, Sep 75

Starch granuloma syndrome. Starch peritonitis as an iatrogenic disease. Seski AG, et al. **Obstet Gynecol** 48(1 Suppl):60S–62S, Jul 76

Peritonitis fibroplastica incapsulata with superadded post–operative starch powder peritonitis. Kaufman M, et al. **Scand J Gastroenterol** 10(8):801–4, 1975

ANALOGS & DERIVATIVES

Proceedings: Comparison of dextran 70 and hydroxyethyl starch in volume replacement. Smith JA, et al. **Br J Surg** 62(8):666, Aug 75

Red cells preserved with 10% hydroxyethyl starch: effect of prefreeze washing. Weatherbee L, et al. **Cryobiology** 12(5):513–6, Oct 75

Leucapheresis: increased efficiency of collection by the use of hydroxyethyl starch and dexamethasone. pp. 61–74. Mishler JM, et al. **In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 I605L 1974.**

Harvesting of granulocytes using a hydroxyethyl starch solution. pp. 220–6. Sussman LN, et al. **In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 I605L 1974.**

Oxycellulose and ammonia–treated oxystarch as insoluble polyaldehydes in uremia. Giordano C, et al. **Kidney Int [Suppl]** (3):380–2, Feb 75

Efficacy of leucocyte–poor red blood cell suspensions prepared by sedimentation in hydroxyethyl starch. Dorner I, et al. **Transfusion** 15(5):439–48, Sep–Oct 75

Use of hydroxyethyl starch to improve granulocyte collection in the Latham blood processor. Huestis DW, et al. **Transfusion** 15(6):559–64, Nov–Dec 75

Hydroxyethyl starch as an experimental adjunct to leukocyte separation by centrifugal means: review of safety and efficacy. Mishler JM. **Transfusion** 15(5):449–60, Sep–Oct 75 (116 ref.)

The safety of dexamethasone and hydroxyethyl starch in the multiply leukapheresed donor. Mishler JM, et al. **Transfusion** 16(2):170–3, Mar–Apr 76

The effect of hydroxyethyl starch on in vitro platelet and granulocyte function. Schiffer CA, et al. **Transfusion** 15(5):473–5, Sep–Oct 75

Harvesting of granulocytes using a hydroxyethyl starch solution. Sussman LN, et al. **Transfusion** 15(5):461–5, Sep–Oct 75

[The influence of hydroxyethyl starch solutions on circulation and on kidney function in hypovolaemic patients (author's transl)] Hempel V, et al. **Anaesthesist** 24(5):198–201, May 75 (Eng. Abstr.) **(Ger)**

[Comparative investigations of hydroxyethyl starch and dextran 60 in Isovolaemic haemodilution and haemorrhagic shock of rats (author's transl)] Hölscher B, et al. **Anaesthesist** 24(5):215–8, May 75 (Eng. Abstr.) **(Ger)**

[Circulatory changes during preoperative isovolaemic haemodilution with a mixed solution of hydroxyethyl starch and 5% human albumine. A clinical study (author's transl)] Kraatz J, et al. **Anaesthesist** 24(5):210–5, May 75 (Eng. Abstr.) **(Ger)**

[Plasma histamine levels in man following infusion of hydroxyethyl starch: a contribution to the question of allergic or anaphylactoid reactions following administration of a new plasma substitute (author's transl)] Lorenz W, et al. **Anaesthesist** 24(5):228–30, May 75 (Eng. Abstr.) **(Ger)**

[The influence of hydroxyethyl starch on blood clotting (author's transl)] Peter K, et al. **Anaesthesist** 24(5):219–24, May 75 **(Ger)**

[The protective effect of hydroxyethylstarch (HES) in the cryoconservation of bone marrow of the mouse and of man (author's transl)] Schaefer UW, et al. **Anaesthesist** 24(12):505–6, Dec 75 (Eng. Abstr.) **(Ger)**

[The influence of hydroxyethyl starch on postoperative alterations of blood coagulation (author's transl)] Vinazzer H, et al. **Anaesthesist** 24(12):517–20, Dec 75 (Eng. Abstr.) **(Ger)**

[Blood regeneration after blood substitution with dextran 60 or hydroxyethyl starch of an identical volume] Hölscher B, et al. **Infusionsther Klin Ernaehr** 3(4):250–3, Aug 76 (Eng. Abstr.) **(Ger)**

[Blood volume replacement using hydroxyethyl starch or Dextran 60] Hölscher B. **Infusionstherapie** 1(4):281–5, Apr 74 (Eng. Abstr.) **(Ger)**

[Long term tolerance of highly dosed infusions of hydroxylethylstarch and dextran 60 in normovolemic rabbits] Hölscher B. **Infusionstherapie** 2(3):215–20, Jun 75 (Eng. Abstr.) **(Ger)**

[Changes in the nutritive physiological value of proteins modified by dialdehyde starch] Proll J, et al. **Nahrung** 20(4):429–36, 1976 (Eng. Abstr.) **(Ger)**

[Clinical comparison of plasma substitutes, dextran and hydroxyethyl starch] Hayashi K, et al. **Jpn J Anesthesiol** 24(9):853–9, Sep 75 (Eng. Abstr.) **(Jpn)**

[Plasma substitutes and coronary circulation. (1) Hydroxyethyl starch (HES)] Saito T, et al. **Jpn J Anesthesiol** 25(1):29–34, Jan 76 (Eng. Abstr.) **(Jpn)**

[Hemodynamic changes following rapid infusion of a plasma substitute, hydroxyethyl starch. Evaluation of its effect on the circulating blood volume and application to left ventricular function test] Yamada T, et al. **Jpn J Anesthesiol** 24(9):891–8, Sep 75 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of hydroxyethyl starch (6–HES)] Yamamoto E, et al. **Jpn J Anesthesiol** 24(6):570–3, Jun 75 (Eng. Abstr.) **(Jpn)**

[Effects of low molecular hydroxyethyl starch (HES) on the kidney — a comparison with low molecular dextran] Yamasaki H. **Jpn J Anesthesiol** 24(6):580–600, Jun 75 (Eng. Abstr.) **(Jpn)**

[Use of hydroxyethyl starch as a cryoprotective medium during platelet storage at low temperatures] Kotelba–Witkowska B, et al. **Acta Haematol Pol** 6(4):293–7, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

ANALYSIS

Percolation of starch and soluble carbohydrates from plant tissue for quantitative determination with anthrone. Hansen J, et al. **Anal Biochem** 68(1):87–94, Sep 75

High pressure liquid chromatographic analysis for triamcinolone acetonide in rice starch. Higgins JW. **J Chromatogr** 115(1):232–5, 10 Dec 75

[Retention of apple starch in production of pectin by the aluminum pectinate procedure] Dongowski G, et al. **Nahrung** 20(4):419–28, 1976 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Biosynthesis of starch. Formation of a glucoproteic acceptor by a potato non–sedimentable preparation. Tandecarz J, et al. **Biochim Biophys Acta** 399(2):345–55, 13 Aug 75

BLOOD

[Safe use of microcrystalline cellulose in low–calorie foods] Seidemann J. **Nahrung** 20(5):495–8, 1976 (12 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Plasma glucose and insulin responses to orally administered simple and complex carbohydrates. Crapo PA, et al. **Diabetes** 25(9):741–7, Sep 76

[Iodine–starch method of examination of sweat secretion in elephantiasis of the limbs (Minor's test)] Zabolotskiĭ AT, et al. **Klin Khir** (10):76–7, Oct 75 **(Rus)**

IMMUNOLOGY

Starch dermatitis: evidence of immunogenicity of surgical glove powder in the guinea–pig. Grant JB, et al. **Br J Exp Pathol** 56(5):396–401, Oct 75

Proceedings: Peritonitis induced by starch glove powder immunized guinea–pigs. Grant JB, et al. **Br J Surg** 63(8):669, Aug 76

Cell mediated immunity to corn starch in starch–induced granulomatous peritonitis. Goodacre RL, et al. **Gut** 17(3):202–5, Mar 76

METABOLISM

Influence of starch source on sporulation and enterotoxin production by Clostridium perfringens type A. Labbe R, et al. **Appl Environ Microbiol** 31(3):455–7, Mar 76

Competitive ability of amylolytic bacteria in activated sludge. Verstraete W, et al. **Arch Microbiol** 104(3):279–83, 28 Aug 75

Structures of multi–branched dextrins produced by saccharifying alpha–amylase from starch. Umeki K, et al. **J Biochem (Tokyo)** 78(5):897–903, Nov 75

Proceedings: Glycogen and starch: specific events in their biosynthesis and metabolic regulation. Whelan WJ. **J Biochem (Tokyo)** 79(4):42P–43P, Apr 76

Effect of forage–to–concentrate ratio in complete feeds and feed intake on digestion of starch by dairy cows. Wheeler WE, et al. **J Dairy Sci** 58(12):1902–6, Dec 75

The uptake and metabolism of glucose, maltose and starch by the rumen ciliate Epidinium ecaudatum caudatum. Coleman GS, et al. **J Gen Microbiol** 96(2):364–74, Aug 76

[Quantitative measurement of carbohydrate absorption in pigs after ingestion of corn starch] Rerat A. **Med Chir Dig** 4 suppl 2:49–51, 1975 **(Fre)**

[Extensive cholesterol ester granuloma of the lung with starch–like body and ceroid deposits] Shimazaki M, et al. **Jpn J Clin Med** 33(11):3338–41, 10 Nov 75 **(Jpn)**

PHARMACODYNAMICS

Mechanism of urea nitrogen binding by proposed oxidized

starch gastrointestinal absorbents. Stern IJ, et al. **Experientia** 31(9):1065–6, 15 SEP 75

Life prolongation in nephrectomized rats fed oxidized starch and charcoal. Friedman EA, et al. **Kidney Int [Suppl]** (3):377–9, Feb 75

Effect of dietary substitution of sucrose and its constituent monosaccharides on the activity of aromatic hydroxylase and the level of cytochrome P-450 in hepatic microsomes of growing rats. Basu TK, et al. **Nutr Metab** 18(5–6):302–9, 1975

[Effects of administering diets with starch or sucrose basis on certain parameters of calcium metabolism in the young, growing rat] Artus M. **Ann Nutr Aliment** 29(4):305–12, 1975 (Eng. Abstr.) **(Fre)**

[Effect of potato starch on the level of volatile fatty acids and ammonia in sheep's rumen] Juśko-Grundboeck J, et al. **Pol Arch Weter** 18(1):97–105, 1975 (Eng. Abstr.) **(Pol)**

STARCH (BACTERIAL GLYCOGEN) SYNTHASE see under **GLUCOSYLTRANSFERASES**

STARFISH

Hormonal control of reinitiation of meiosis in starfish. The requirement of 1-methyladenine during nuclear maturation. Guerrier P, et al. **Dev Biol** 47(2):341–8, Dec 75

ANALYSIS

Glycosides of marine invertebrates—V. A comparative study of glycoside fractions from starfish. Elyakov GB, et al. **Comp Biochem Physiol [B]** 55(1):57–60, 1976

Isolation and partial characterization of steroid glycosides from the starfish Acanthaster planci. Fleming WJ, et al. **Comp Biochem Physiol [B]** 53(3):267–72, 1976

Quantification of a saponin steroid from the starfish Asterias vulgaris. Gilgan MW, et al. **Comp Biochem Physiol [B]** 54(4):561–3, 1976

DRUG EFFECTS

Dissociation of the mitotic spindle in oocytes exposed to grisofulvin and vinblastine. Malawista SE, et al. **Exp Cell Res** 99(1):192–7, Apr 76

EMBRYOLOGY

An electrophysiological study of the membrane properties of the immature and mature oocyte of the batstar, Patiria miniata. Shen S, et al. **Dev Biol** 48(1):148–62, Jan 76

Epithelial origin of starfish coelomocytes. Bossche JP, et al. **Nature** 261(5557):227–8, 20 May 76

[Regulation of histogenesis in the axial organ of echinoderms (Echinodermata) according to findings from diffusion chamber cultivation] Evgen'eva TP. **Ontogenez** 6(3):296–9, 1975 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The occurrence and distribution of digestive enzymes in the pyloric caecum of the purple starfish Pisaster ochraceus. Williams DC. **Comp Biochem Physiol [A]** 52(1):85–90, 1 Sep 75

Structural studies on a starfsih trypsin. Camacho Z, et al. **Comp Biochem Physiol [B]** 54(1):27–32, 1976

Structural studies on a starfish trypsin. Camacho Z, et al. **Comp Biochem Physiol [B]** 54(1):27–32, 1976

Isolation of a starfish trypsin by affinity chromatography. Gilliam EB, et al. **Comp Biochem Physiol [B]** 54(1):21–6, 1976

Hexose 6-phosphate dehydrogenase in starfishes. Mochizuki Y, et al. **Comp Biochem Physiol [B]** 54(4):489–94, 1976

[Partial purification of an endodeoxyribonuclease from non-fertilized ova of Asterias forbesii] Gauthier S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2028–30, 30 Dec 74 **(Ita)**

[Some kinetic characteristics of endodeoxyribonuclease of non-fertilized ova of Asterias forbesii] Gauthier S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2031–2, 30 Dec 74 **(Ita)**

[Identification of the products of reaction of endoribonuclease from non-fertilized ova of Asterias forbesii] Gauthier S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2033–5, 30 Dec 74 **(Ita)**

METABOLISM

Fatty acid and carbohydrate storage in the annual reproductive cyclice of Echinaster. Ferguson JC. **Comp Biochem Physiol [A]** 52(4):585–90, 1 Dec 75

Wax digestion in a Crown-of-Thorns starfish. Benson AA, et al. **Comp Biochem Physiol [B]** 52(2):339–40, 15 Oct 75

The annual cycle of fatty acid composition in a starfish. Ferguson JC. **Comp Biochem Physiol [B]** 54(2):249–52, 1976

Biosynthesis of sterols in a starfish, Laiaster leachii. Teshima SI, et al. **Comp Biochem Physiol [B]** 52(3):437–41, 15 Nov 75

On the fate of dietary sterols in the sea star Asterias rubens. Voogt PA, et al. **Comp Biochem Physiol [B]** 54(4):473–7, 1976

On the origin of the sterols in the sea star Asterias rubens. Voogt PA, et al. **Comp Biochem Physiol [B]** 54(4):479–82, 1976

PHYSIOLOGY

Electrical properties of the starfish oocyte membranes. Moreau M, et al. **J Physiol (Paris)** 72(3):293–300, Jun 76

Cytoplasmic factor responsible for germinal vesicle breakdown and meiotic maturation in starfish oocyte. Kishimoto T, et al. **Nature** 260(5549):321–2, 25 Mar 76

Maintenance of fluid volume in the starfish water vascular system. Prusch RD, et al. **Nature** 262(5569):577–8, 12 Aug 76

Hormonal control of meiosis: specificity of the 1-methyladenine receptors in starfish oocytes. Dorée M, et al. **Proc Natl Acad Sci USA** 73(5):1669–73, May 76

[Role of the nervous system during the regeneration of an arm in a starfish: Asterina gibbosa Penn. (Echinodermata, Asteriidae)] Huet M. **J Embryol Exp Morphol** 33(3):535–52, Jun 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Microtubular origin of mitotic spindle form birefringence. Demonstration of the applicability of Wiener's equation. Sato H, et al. **J Cell Biol** 67(3):501–17, Dec 75

STARTLE REACTION

Modification of the rat's acoustic startle response by antecedent visual stimulation. Schwartz GM, et al. **J Exp Psychol [Anim Behav]** 2(1):28–37, Jan 76

Interaction versus independence of startle-modification processes in the rat. Stitt CL, et al. **J Exp Psychol [Anim Behav]** 2(3):260–5, Jul 76

The development of individuality in neonates. Startle reactions to various stimuli. Frank UA, et al. **J Med Soc NJ** 72(9):717–20, Sep 75

Letter: Startle reaction to air-bag restraints. Decker MD. **JAMA** 235(2):146, 12 Jan 76

Letter: Startle reactions to air-bag restraints. Ziperman HH. **JAMA** 235(19):2082, 10 May 76

[Neurophysiopathological hypothesis on startle epilepsy in man] Bancaud J, et al. **Rev Neurol (Paris)** 131(8):559–71, Aug 75 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Ethanol suppresses collateral inhibition of the goldfish Mauthner cell. Faber DS, et al. **Brain Res** 104(2):348–53, 12 Mar 76

p-Chloroamphetamine (PCA): acute and chronic effects on habituation and sensitization of the acoustic startle response in rats. Davis M, et al. **Eur J Pharmacol** 35(2):261–73, Feb 76

Effects of lysergic acid diethylamide (LSD) on temporal recovery (pre-pulse inhibition) of the acoustic startle response in the rat. Davis M, et al. **Pharmacol Biochem Behav** 3(5):861–8, Sep-Oct 75

Opposite effects of intraventricular serotonin and bufotenin on rat startle responses. Geyer MA, et al. **Pharmacol Biochem Behav** 3(4):687–91, Jul-Aug 75

The startle response in rats: effect of ethanol. Pohorecky LA, et al. **Pharmacol Biochem Behav** 4(3):311–6, Mar 76

Effects of d- and l-amphetamine on habituation and sensitization of the acoustic startle response in rats. Davis M, et al. **Psychopharmacologia** 43(1):1–11, 23 Jul 75

PHYSIOLOGY

The startle reflex and PGO spikes. Bowker RM, et al. **Brain Res** 102(1):185–90, 30 Jan 76

Startle responses recorded in the leg of man. Rossignol S. **Electroencephalogr Clin Neurophysiol** 39(4):389–97, Oct 75

Modification of the pigeon's visual startle reaction by the sensory environment. Stitt CL, et al. **J Comp Physiol Psychol** 90(7):601–19, Jul 76

Ontogenetic dissociation of two classes of habituation. Williams JM, et al. **J Comp Physiol Psychol** 89(7):733–7, Sep 75

Combination rules for inhibitory stimuli. Ison JR, et al. **J Exp Psychol [Anim Behav]** 1(4):318–25, Oct 75

Long-term retention of the habituation of lick suppression and startle response produced by a single auditory stimulus. Leaton RN. **J Exp Psychol [Anim Behav]** 2(3):248–59, Jul 76

The role of small changes in the acoustic environment in modifying the startle reflex. Marsh RR, et al. **J Exp Psychol [Anim Behav]** 104(3):235–44, Jul 75

Lead-stimulation effects of human cardiac orienting and blink reflexes. Graham FK, et al. **J Exp Psychol [Hum Percept]** 104(2):175–82, May 75

[A change in the excitability of human spinal motor neurons during prolonged acoustic stimulation] Shlykov VIu. **Zh Vyssh Nerv Deiat** 25(3):612–4, May-June 75 **(Rus)**

STARVATION

see related
FASTING
FOOD DEPRIVATION
HUNGER

The effects of dexamethasone and starvation on body composition and regional adipose tissue cellularity in the rat. Krotkiewski M, et al. **Acta Endocrinol (Kbh)** 80(4):667–75, Dec 75

Interaction of somatomedin and a peptide inhibitor in serum of hypophysectomized and starved, pituitary-intact rats. Salmon WD Jr. **Adv Metab Disord** 8:183–99, 1975

Anti-ketogenic effect of glucose in the lactating cow deprived of food. Treacher RJ, et al. **Biochem J** 158(1):127–34, 15 Jul 76

The effects of starvation, glucose infusion, and normal feeding, on muscle protein synthesis and catabolism in the newborn guinea pig. Ogata ES, et al. **Biol Neonate** 29(3–4):247–56, 1976

Effects of various feeding regimens and photoperiod or pinealectomy on ovulation in the hamster. Morin LP. **Biol Reprod** 13(1):99–103, Aug 75

The effects of starvation on the planarian worm Polycelis tenuis Iijima. Bowen ED, et al. **Cell Tissue Res** 169(2):193–209, 14 Jun 76

Oogenesis in Xenopus laevis (Daudin). IV. Effects of gonadotropin, estrogen and starvation on endocytosis in developing oocytes. Holland CA, et al. **Cell Tissue Res** 162(2):177–84, 17 Sep 75

Metabolic and hematological effects of starvation in the european eel, Anguilla anguilla L.—III. Fatty acid composition. Dave G, et al. **Comp Biochem Physiol [B]** 53(4):509–15, 1976

Maternal starvation and birth defects. pp. 205–20. Stein Z, et al. **In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.**

Effect of long-term starvation on the rat liver lysosomes. Pokrovsky AA, et al. **Int J Vitam Nutr Res** 46(1):75–82, 1976

Fear of trying. Berg A. **J Am Diet Assoc** 68(4):311–6, Apr 76

Immune mechanisms in leukemia: suppression of cellular immunity by starvation. Martinez D, et al. **J Natl Cancer Inst** 55(4):935–9, Oct 75

Effects of fasting on growth and glycolysis of the Ehrlich ascites tumor. Sandor RS. **J Natl Cancer Inst** 56(2):427–8, Feb 76

The influence of feed restriction and subsequent re-feeding on gonadotrophin secretion and serum testosterone levels in male rats. Howland BE. **J Reprod Fertil** 44(3):429–36, Sep 75

Letter: The Ogaden famine. Watson WH. **Lancet** 2(7975):48, 3 Jul 76

Letter: Maladie de famine. Altschule MD. **N Engl J Med** 294(23):1297, 3 Jun 76

Influence of age and starvation on pO2, pCO2 and haematocrit values in the rat. Mourek J. **Physiol Bohemoslov** 25(3):245–50, 1976

The use of fenfluramine in patients undergoing therapeutic starvation. Wales JK. **Postgrad Med J** 51 Suppl 1:177, 1975

The Ethiopian famine of 1973–4. 2. Harerge province. Holt JF, et al. **Proc Nutr Soc** 34(3):115A–116A, Dec 75

Famines of history and of today. McCance RA. **Proc Nutr Soc** 34(3):161–6, Dec 75

The Ethiopian famine. Miller DS, et al. **Proc Nutr Soc** 34(3):167–72, Dec 75

The Ethiopian famine of 1973–4. 1. Wollo province. Seaman J, et al. **Proc Nutr Soc** 34(3):114A–115A, Dec 75

[Effect of starvation on calcium content in different parts of developing rat brain (author's transl)] Mourek J, et al. **Sb Lek** 78(5):117–22, May 76 (Eng. Abstr.) **(Cze)**

[The influence of starvation on the respirational activity of cerebral mitochondria in the ontogenesis of rats (author's transl)] Trojanová M, et al. **Sb Lek** 77(11):345–52, Nov 75 **(Cze)**

[Changes in plasma and whole blood viscosity during starvation (author's transl)] Schindler H. **Wien Klin Wochenschr [Suppl]** 87(38):1–13, 1975 **(Ger)**

BLOOD

Effect of ischaemic limb injury on the rates of metabolism of ketone bodies in starved rats. Barton RN. **Biochem J** 156(2):233–8, 15 May 76

Plasma zinc in acute starvation. Henry RW, et al. **Br Med J** 4(5997):625–6, 13 Dec 75

Interpretation of elevated blood glycine levels in children. Applegarth DA, et al. **Clin Chim Acta** 63(1):49–54, 18 Aug 75

Metabolic and hematological effects of starvation in the European eel, Anguilla anguilla L. II. Hematology. Johansson-Sjöbeck ML, et al. **Comp Biochem Physiol [A]** 52(3):431–4, 1 Nov 75

Triglyceride metabolism in acute starvation: the role of secretin and glucagon. Stout RW, et al. **Eur J Clin Invest** 6(2):179–85, 31 Mar 76

Plasma zinc in acute starvation. pp. 423–5. Elmes ME, et al. **In: Hemphill DD, ed. Trace substances in environmental health-IX. Columbia, Univ of Missouri, 1975. W3 C936.**

[Erythropoietic activity of blood serum in prolonged complete starvation] Shapiro IuI, et al. **Lab Delo** (7):403–5, 1975 **(Rus)**

COMPLICATIONS

Endocrine-metabolic response to acute starvation in human gestation. Tyson JE, et al. **Am J Obstet Gynecol** 125(8):1073–84, 15 Aug 76

Letter: Short-term starvation in infancy re subsequent learning disabilities—a proven relationship? Fenton LJ. **J Pediatr** 88(4 Pt. 1):701–2, Apr 76

Letter: Short-term starvation in infancy re subsequent learning disabilities—a proven relationship? Klein PS, et al. **J Pediatr** 88(4 Pt. 1):702–3, Apr 76

Letter: Short-term starvation in infancy re subsequent

learning disabilities--a proven relationship? Lloyd-Still JD. **J Pediatr** 88(4 Pt. 1):702, Apr 76

Short-term starvation in infancy re subsequent learning disabilities--a proven relationship? Oettinger L Jr. **J Pediatr** 88(4 Pt. 1):700-1, Apr 76

Letter: Short-term starvation in infancy re subsequent learning disabilities--a proven relationship? Reinhart JB. **J Pediatr** 88(4 Pt. 1):701, Apr 76

ENZYMOLOGY

Liver and heart mitochondrial succinate dehydrogenase activity of newborn rats in anoxic hypoxia and starvation. Kinnula VL, et al. **Acta Physiol Scand** 97(3):357-61, Jul 76

Differential effect of base purine analogs on levels of xanthine dehydrogenase. Affonso OR, et al. **An Acad Bras Cienc** 45(3-4):589-94, 1973

Hormonal and nutritional substrate control of cardiac lysosomal enzyme activities Wildenthal K. **Circ Res** 39(3):441-6, Sep 76

Dietary fatty acids on the control of glucose-6-phosphate dehydrogenase and malic enzyme in the starved-refed rat. Nace CS, et al. **J Nutr** 106(2):285-91, Feb 76

Long-term effects of starvation-refeeding in the rat. Szepesi B, et al. **Nutr Metab** 19(1-2):45-54, 1975

Dietary control of cardiac lysosomal enzyme activities. Wildenthal K, et al. **Recent Adv Stud Cardiac Struct Metab** 8:519-29, 1975

[Lysosomal enzymes in starvation after regimen of single or all-day feeding] Apostolov IZ, et al. **Nahrung** 20(2):169-73, 1976 (Eng. Abstr.) **(Ger)**

[Histological, histoenzymatic and biochemical study of the liver and small intestine of rats during short periods of starvation] Krystev L, et al. **Vopr Pitan** (2):309, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Famine in Ethiopia-a brief review. Gebre-Medhin M, et al. **Am J Clin Nutr** 29(9):1016-20, Sep 76 (15 ref.)

HISTORY

Letter: Starvation disease in Greece. Katsas AG. **N Engl J Med** 293(17):881, 23 Oct 75

METABOLISM

Relationship between the changes in gastrin levels and intestinal properties in the starved rat. Lichtenberger L, et al. **Am J Dig Dis** 21(1):33-8, Jan 76

The metabolic events of starvation. Saudek CD, et al. **Am J Med** 60(1):117-26, Jan 76

Induction processes in blood-brain transfer of ketone bodies during starvation. Gjedde A, et al. **Am J Physiol** 229(5):1165-9, Nov 75

Hypercholesterolemia of total starvation: its mechanism via tissue mobilization of cholesterol. Swaner JC, et al. **Am J Physiol** 229(2):365-9, Aug 75

The effects of inhibition of gluconeogenesis on ketogenesis in starved and diabetic rats. Blackshear PJ, et al. **Biochem J** 148(3):353-62, Jun 75

The pentose cycle and insulin release in isolated mouse pancreatic islets during starvation. Hedeskov CJ, et al. **Biochem J** 152(3):571-6, Dec 75

The effect of protein deprivation and starvation on the rate of protein synthesis in tissues of the rat. Garlick PJ, et al. **Biochim Biophys Acta** 414(1):71-84, 18 Nov 75

Starvation in man. Cahill GF Jr. **Clin Endocrinol Metabol** 5(2):397-415, Jul 76 (43 ref.)

Metabolic and hematological effects of starvation in the European eel, Anguilla anguilla L. I. Carbohydrate, lipid, protein and inorganic ion metabolism. Dave G, et al. **Comp Biochem Physiol [A]** 52(3):423-30, 1 Nov 75

Treatment with glucagon-binding antibodies alters the intestinal response to starvation in the rat. Rudo ND, et al. **Gastroenterology** 69(6):1265-8, Dec 75

Physiology of metabolism during starvation. pp. 17-30. Dietze G, et al. **In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 I43 1974.** (16 ref.)

Starvation stress on metabolism of the tropical fresh water crab Paratelphusa hydrodromus (Herbst), with reference to size, sex & sudden changes of temperature. Kotaiah K, et al. **Indian J Exp Biol** 13(2):180-4, Mar 75

The possible role of palmitoyl-CoA in the regulation of the adenine nucleotides transport in mitochondria under different metabolic states. I. Comparison of liver mitochondria from starved and fed rats. Panov AV, et al. **J Bioenerg** 7(2):75-85, May 75

Composition of weight lost during short-term weight reduction. Metabolic responses of obese subjects to starvation and low-calorie ketogenic and nonketogenic diets. Yang MU, et al. **J Clin Invest** 58(3):722-30, Sep 76

Influence of starvation on the activities and localization of cathepsin D and other lysosomal enzymes in hearts of rabbits and mice. Wildenthal K, et al. **J Mol Cell Cardiol** 7(11):841-55, Nov 75

Assessment of effect of starvation, glucose, fatty acids and hormones on alpha-decarboxylation of leucine in skeletal muscle of rat. Paul HS, et al. **J Nutr** 106(8):1079-88, Aug 76

Effect of starvation on protein synthesis in neonatal rat liver. Vavrousek-Jakuba EM, et al. **J Nutr** 105(10):1326-33, Oct 75

Effects of fasting and semistarvation on the kinetics of active and passive sugar absorption across the small intestine in vivo. Debnam ES, et al. **J Physiol (Lond)** 252(3):681-700, Nov 75

Turnover of amino acids in sepsis and starvation: Effect of glucose infusion. Vaidyanath N, et al. **J Trauma** 16(2):125-35, Feb 76

Effect of starvation on renal metabolism in the rat. Bennett FI, et al. **Kidney Int** 7(6):380-4, Jun 75

Regulatory function of pyruvate dehydrogenase and the mitochondrion in lipogenesis. Mapes JP, et al. **Lipids** 10(12):757-64, Dec 75

Utilization of oxidizable substrates by the sheep hind limb: effects of starvation and exercise. Jarrett IG, et al. **Metabolism** 25(5):523-31, May 76

Histochemical, biochemical and ultrastructural studies on the liver of fasted rats. Krustev LP, et al. **Nahrung** 20(6):597-603, 1976

Utilization of dietary amino acids for energy production in neonatal rat liver. White PK, et al. **Pediatr Res** 10(3):158-64, Mar 76

Hormonal regulation of fatty acid synthesis in adipose tissue through changes in the activities of pyruvate dehydrogenase (EC 1.2.4.1) and acetyl-CoA carboxylase (EC 6.4.1.2). Denton RM. **Proc Nutr Soc** 34(3):217-24, Dec 75 (41 ref.)

Effect of short-term castration and starvation upon hypothalamic content of luteinizing hormone-releasing hormone in adult male rats. Root AW, et al. **Proc Soc Exp Biol Med** 150(3):602-5, Dec 75

Protein conservation with peripheral isotonic amino acid solutions. Tweedle D, et al. **Surg Forum** 26:32-5, 1975

Influence of starvation and hepatic microsomal enzyme induction on the mobilization of DDT residues in rats. Lambert G, et al. **Toxicol Appl Pharmacol** 36(1):111-20, Apr 76

[Resistance to starvation in insects: importance of the amount of lipid reserves in adult Drosophila melanogaster] David J, et al. **C R Acad Sci [D] (Paris)** 280(22):2571-4, 9 Jun 75 (Eng. Abstr.) **(Fre)**

[Pathogenesis and treatment of fast-induced hyperuricemia using benzbromarone] Schräpler P, et al. **Med Welt** 27(12):575-81, 19 Mar 76 **(Ger)**

[Metabolic parameters and the duodenal mucosa in prolonged fasting diet] Wörner O, et al. **Med Welt** 27(24):1182-4, 11 Jun 76 **(Ger)**

[Possible role of adenine nucleotide transport in regulating the respiration of rat liver mitochondria] Konstantinov IuM, et al. **Biull Eksp Biol Med** 81(2):166-8, Feb 76 (Eng. Abstr.) **(Rus)**

[Metabolism of Co58 labelled vitamin B12 in white rats under normal conditions and in starvation] El'kina GI, et al. **Vopr Pitan** (4):25-8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Level of nicotinic acid and NAD in the organs of rats during complete starvation] Gridneva LE, et al. **Vopr Pitan** (2):9-12, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of vegetable polyphenols on the level of glycogen in the tissues and glucose in the blood of starving rabbits] Shamrai EF, et al. **Ukr Biokhim Zh** 47(1):107-9, Jan-Feb 75 (Eng. Abstr.) **(Ukr)**

PATHOLOGY

Nutrition effect on liver and lysosomes. VIII. The undernourishment role in a following short-term starvation. Krustev LP, et al. **Acta Histochem (Jena)** 53(1):42-57, 1975

Cell autophagy of the liver in starvation and undernutrition. Krustev LP. **Bibl Nutr Dieta** (23):145-54, 1976

Histochemical, biochemical and ultrastructural studies on the liver of fasted rats. Krustev LP, et al. **Nahrung** 20(6):597-603, 1976

Effect of starvation on pituitary growth hormone cells and blood growth hormone and prolactin levels in the rat. Sirek AM, et al. **Nutr Metab** 20(1):67-75, 1976

Gelatinous transformation of bone marrow in prolonged self-induced starvation. Tavassoli M, et al. **Scand J Haematol** 16(4):311-9, Apr 76

[Intensity of proliferative processes in the bone marrow in starvation and subsequent nutrition of the patients] Rabinovich PE. **Lab Delo** (6):371-3, 1975 **(Rus)**

[Ultrastructural changes in the subcellular membranes of hepatocytes during the early periods of starvation] Pokrovskii AA, et al. **Vopr Pitan** (2):26-31, Mar-Apr 76 **(Rus)**

PHYSIOPATHOLOGY

Investigations on isolated islets in vitro. IX. Influence of food deprivation and glucose refeeding in vitro on insulin secretion. Hahn HJ, et al. **Acta Diabetol Lat** 11(6):457-67, Nov-Dec 74

Starvation and seizures. Observation on the electroconvulsive threshold and cerebral metabolism of the starved adult rat. DeVivo DC, et al. **Arch Neurol** 32(11):755-60, Nov 75

Starvation and phenobarbital treatment effects on drug hydroxylation and glucuronidation in the rat liver and small intestinal mucosa. Marselos M, et al. **Biochem Pharmacol** 24(16):1529-35, 15 Aug 75

Effect of neonatal decerebration on thermogenesis during starvation and cold exposure in the rat. Bignall KE, et al. **Exp Neurol** 49(1 Pt 1):174-88, Oct 75

Clinical semi-starvation: depression of hypoxic ventilatory response. Doekel RC Jr, et al. **N Engl J Med** 295(7):358-61, 12 Aug 76

Obesity in young men after famine exposure in utero and early infancy. Ravelli GP, et al. **N Engl J Med** 295(7):349-53, 12 Aug 76

Adenylate cyclase and phosphodiesterase in the rat gastric mucosa after starvation, feeding and pentagastrin. Ruoff HJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(2-3):147-53, 1975

Effects of starvation on isolated heart performance and mitochondrial calcium sequestering. Eller RR. **Recent Adv Stud Cardiac Struct Metab** 4:347-57, 1974

PREVENTION & CONTROL

An international programme for famine relief. Kapsiotis GD. **Proc Nutr Soc** 34(3):195-9, Dec 75

Some obstacles to eliminating famine. Pirie NW. **Proc Nutr Soc** 34(3):181-6, Dec 75

UK contributions to famine relief. Whitehead RG. **Proc Nutr Soc** 34(3):187-93, Dec 75

URINE

The role of potassium in the control of ammonium excretion during starvation. Sapir DG, et al. **Metabolism** 25(2):211-20, Feb 76

[Effect of prolonged total starvation on urinary excretion of corticosteroids in obese patients] Eisner M, et al. **Pol Tyg Lek** 30(50):2089-92, 15 Dec 75 (Eng. Abstr.) **(Pol)**

VETERINARY

A clinical evaluation of antimicrobial agents and temporary starvation in the treatment of acute undifferentiated diarrhea in newborn calves. Radostits OM, et al. **Can Vet J** 16(8):219-27, Aug 75

STATE DENTISTRY

A memorandum by organisations representing the medical and dental professions and by the independent hospitals group (which includes the major provident associations) in reply to 'the separation of private practice from N.H.S. hospitals: a consultative document'. **Br Dent J** 139(7):289-94, 7 Oct 75

Letter: The Consultative Document--a threat to freedom. **Br Dent J** 139(11):421, 2 Dec 75

Letter: State abuse of dentistry. **Br Dent J** 139(10):387-8, 18 Nov 75

Letter: State abuse of dentistry. **Br Dent J** 139(12):456, 16 Dec 75

Twelfth memorandum to the Review Body. **Br Dent J** 140(10):353-4, 18 May 76

Editorial: Private practice. **Br Dent J** 140(9):293-4, 4 May 76

Letter: State abuse of dentistry. Ashby M. **Br Dent J** 140(1):5, 6 Jan 76

State abuse of dentistry. A personal view. Casson MH. **Br Dent J** 139(6):252, 16 Sep 75

Letter: State abuse of dentistry. Hale WJ. **Br Dent J** 140(2):41, 20 Jan 76

Letter: State abuse of dentistry. Knott NJ. **Br Dent J** 139(8):308, 21 Oct 75

The General Dental Council. Swiss RG. **Br Dent J** 139(5):200, 2 Sep 75

President's address at the opening of the forty-second session of the General Dental Council. Swiss RG. **Br Dent J** 139(11):441-3, 2 Dec 75

Letter: Disagrees with article. Wegmann GW. **J Am Dent Assoc** 93(1):22-3, Jul 76

[The 'complete failure'] **Zahnaerztl Mitt** 65(7):311-2, 1 Apr 75 **(Ger)**

[Limits of the socialist state and the dentists] Brenner W. **Zahnaerztl Mitt** 65(15):706-8, 1 Aug 75 **(Ger)**

[The new prosthodontics contracts from the viewpoint of the practitioner] Einfeldt H. **Zahnaerztl Mitt** 65(9):427-31, 1 May 75 **(Ger)**

[Waiting for the chance. Which chance is really meant?] Huber E. **Zahnaerztl Mitt** 66(17):845-6, 1 Sep 79 **(Ger)**

[Can Pippi Langstrumpf save our Swedish colleagues?] Lockwald G. **Zahnaerztl Mitt** 66(16):795-800, 16 Aug 76 **(Ger)**

[The German Socialist Party puts the cards on the table. Medical care within the framework of their programs] Reckort HP. **Zahnaerztl Mitt** 65(8):375-81, 16 Apr 75 **(Ger)**

[The political patient. Observations--analyses--consequences] Schreiber G. **Zahnaerztl Mitt** 66(17):846-51, 1 Sep 79 **(Ger)**

[Editorial: Current state of stomatology and ways of its development] Safonob AG. **Stomatologiia (Mosk)** 54(6):1-11, Nov-Dec 75 **(Rus)**

[Critical review of the status of dental service in Bosnia and Hercegovina] Topić B. **Med Arh** 29(5):437-42, Sep-Oct 75 **(Ser)**

STANDARDS

[Notes on the article: 'The evaluation of the effectiveness of a state dental practice' in Stomatology of the DDR 25 (1975) 57-64] Schneider HG. **Stomatol DDR** 25(11):794-5, Nov 75 **(Ger)**

STATE MEDICINE

Age Action Year 1976. Hall DA. **Age Ageing** 5(1):1-5, Feb

76
National health planning: analysis of a new approach. Bottom WD. **Ala J Med Sci** 13(1):67–73, Jan 76
Editorial: Dr. Edwards' emu. **Am Fam Physician** 14(1):53, Jul 76
Cardiology in a system of socialized medicine: Canadian experience. McGregor M. **Am J Cardiol** 36(5):560–2, 31 Oct 75
Current issues in national insurance for mental health services. Nelson SH. **Am J Psychiatry** 133(7):761–4, Jul 76
Issues in national health insurance. Donabedian A. **Am J Public Health** 66(4):345–50, Apr 76
Editorial: How long must we wait? Lee SS. **Am J Public Health** 66(4):341, Apr 76
Letter: Free medical care in China. Cheng TO. **Ann Intern Med** 85(3):396–7, Sep 76
The impact of national health insurance on the tasks and practice of psychiatry. Astrachan BM, et al. **Arch Gen Psychiatry** 33(7):785–94, Jul 76
What about socialized medicine in Sweden? Hjern Bo. **Arch Surg** 111(9):941–4, Sep 76
National medical service New Zeland style. Kennedy JW. **Ariz Med** 33(5):380–1, May 76
The threat of national health insurance to preventive programs. Robbins A. **Ariz Med** 32(12):965–6, Dec 75
A memorandum by organisations representing the medical and dental professions and by the independent hospitals group (which includes the major provident associations) in reply to 'the separation of private practice from N.H.S. hospitals: a consultative document'. **Br Dent J** 139(7):289–94, 7 Oct 75
Editorial: The consultative document—a threat to freedom. **Br Dent J** 139(8):303–4, 21 Oct 75
Private practice in N.H.S. hospitals. **Br Dent J** 140(1):25–6, 6 Jan 76
Outpatient psychiatry in the National Health Service. Gledhill R. **Br J Clin Pract** 28(9):301–4, Sep 74
Editorial: The pursuit of quality. **Br J Med Educ** 9(4):202–4, Dec 75
Academic psychiatrists. Brook P. **Br J Psychiatry** 127:499–505, Nov 75
Letter: N.H.S. reorganization. **Br Med J** 3(5979):370, 9 Aug 75
Anomie in the N.H.S.—A McKinsey view. **Br Med J** 3(5980):424–6, 16 Aug 75
Editorial: No case for change. **Br Med J** 3(5981):452, 23 Aug 75
Letter: Private practice and the N.H.S. **Br Med J** 3(5983):596–7, 6 Sep 75
Editorial: Painful redistribution. **Br Med J** 4(5988):66–7, 11 Oct 75
A British view of Danish medicine. **Br Med J** 4(5989):154–6, 18 Oct 75
Home thoughts on the contract. **Br Med J** 4(5989):157–8, 18 Oct 75
Editorial: Which NHS crisis? **Br Med J** 4(5989):128, 18 Oct 75
Editorial: Health care finance. **Br Med J** 4(5999):723, 27 Dec 75
Priorities and expenditure. **Br Med J** 1(6008):513–5, 28 Feb 76
Editorial: Health expenditure. **Br Med J** 1(6008):486, 28 Feb 76
Editorial: Devolution and the NHS. **Br Med J** 1(6018):1108, 8 May 76
Letter: Priorities in the NHS. **Br Med J** 1(6025):1593–4, 26 Jun 76
Letter: Priorities in the NHS. **Br Med J** 2(6026):41, 3 Jul 76
Editorial: Priorities and morale in the NHS. **Br Med J** 1(6023):1425–6, 12 Jun 76
Letter from ... Canada. What is a private patient? Banks PJ. **Br Med J** 4(5989):151–2, 18 Oct 75
Letter: Doctors as managers. Binysh H. **Br Med J** 3(5979):370, 9 Aug 75
A feast in the midst of famine. Clark TJ. **Br Med J** 4(5994):479–80, 22 Nov 75
Letter: Health Service administration. Cullington DE. **Br Med J** 4(5996):580, 6 Dec 75
Revenue allocation in the reorganized Health Service. Gentle PH, et al. **Br Med J** 3(5979):382–4, 9 Aug 75
A case for devolution of health care. Hamilton D. **Br Med J** 1(6018):1127–9, 8 May 76
Financing the Scottish Health Service. Hogarth J. **Br Med J** 1(6018):1129–30, 8 May 76
Medicine in society. Lewin W. **Br Med J** 3(5982):523–6, 30 Aug 75
Letter: Priorities in the NHS. Lloyd EL. **Br Med J** 2(6033):470, 21 Aug 76
Letter: Health service administration. Lord PH. **Br Med J** 4(5993):405, 15 Nov 75
Letter from ... Brisbane. Day nurseries and welfare states. Meyers D. **Br Med J** 1(6024):1523–4, 19 Jun 76
A dean down under. Rhodes P. **Br Med J** 3(5983):587–8, 6 Sep 75
The 8th of December, 1974. Rickham PP. **Br Med J** 4(5993):393–4, 15 Nov 75
View of BMA in Scotland. Wright AW. **Br Med J** 1(6018):1130–1, 8 May 76
British physicians see pay–bed issue moderating. Massam A. **Can Med Assoc J** 114(9):841, 8 May 76
Medibank: Australia's new national health insurance program. Rossiter RJ. **Can Med Assoc J** 114(4):361, 363–5, 21 Feb 76
Letter: The British NHS is not all bad: implications for Canada. Sellery GR. **Can Med Assoc J** 114(4):302, 304, 21 Feb 76
Implementing Chairman Mao's directive 'in medical and health work, put the stress on the rural areas'. **Chin Med J** 1(4):237–40, Jul 75
Consolidate the dictatorship of the proletariat and run cooperative medical service well. **Chin Med J** 1(4):233–6, Jul 75
Handicapped children under National Health Insurance. Wallace HM. **Dev Med Child Neurol** 18(2):213–28, Apr 76
Problems of area planning. Howie WB. **Health Bull (Edinb)** 34(3):145–50, May 76
Health services operational research unit. Macfarlane JD. **Health Bull (Edinb)** 33(4):182, Jul 75
Decision–making system and structures in the British National Health Service. Godber GE. **Hosp Prog** 57(3):82–4, 86, 88 passim, Mar 76
NHI enactment unlikely in 1976. Prussin JA. **Hosp Prog** 57(3):76–7, Mar 76
State and local regulation will prove most effective. Ball AE. **Hospitals** 50(5):89–92, 1 Mar 76
National health insurance: forecasting the political climate. Gehrig LJ, et al. **Hospitals** 50(5):45–8, 1 Mar 76
The case for a comprehensive benefit package. Glasser MA. **Hospitals** 50(5):67–71, 1 Mar 76
Medicare provides foundation for NHI. Hess AE. **Hospitals** 50(5):49–53, 1 Mar 76
Publicly funded plan: the most equitable and cost–effective. Jones SB. **Hospitals** 50(5):73–6, 1 Mar 76
H.R.1—tool for compromise in fashioning NHI program. McMahon JA. **Hospitals** 50(5):61–4, 1 Mar 76
The time has come to wait some more. O'Connor R. **Hospitals** 50(5):55–60, 1 Mar 76
Voluntary health insurance: important role in cost containment. Richardson WC. **Hospitals** 50(5):77–81, 1 Mar 76
Perceptions of structure in N.H.S. hospitals. pp. 120–41. Davies C, et al.
In: Stacey M, ed. The sociology of the National Health Service. Keele, Univ of Keele, 1976. W1 SO879F no.22 1976.
The reorganisation of the national health service: some sociological aspects with special reference to the role of the community physician. pp. 9–22. Gill DG.
In: Stacey M, ed. The sociology of the National Health Service. Keele, Univ of Keele, 1976. W1 SO879F no.22 1976.
Issues in general practitioner authority in the national health service. pp. 23–42. Haug MR.
In: Stacey M, ed. The sociology of the National Health Service. Keele, Univ of Keele, 1976. W1 SO879F no.22 1976.
The health service consumer: a sociological misconception. pp. 194–200. Stacey M.
In: Stacey M, ed. The sociology of the National Health Service. Keele, Univ of Keele, 1976. W1 SO879F no.22 1976.
The health and medical system in Japan. Yamamoto M, et al. **Inquiry** 12(2 SUPPL):42–50, Jun 75
An international perspective on strikes and strike threats by physicians: the case of Chile. Belmar R, et al. **Int J Health Serv** 5(1):53–64, 1975
1974 and after: a general practitioner's views of the reorganization of the British National Health Service. Fry J. **Int J Health Serv** 5(3):425–7, 1975
Regulation and control of the medical profession in Great Britain. Fry J. **Int J Health Serv** 6(1):5–7, 1976
The financing and the economic efficiency of rural health services in the People's Republic of China. Hu T. **Int J Health Serv** 6(2):239–49, 1976
Unions and strikes in the National Health Service in Britain. Widgery D. **Int J Health Serv** 6(2):301–8, 1976
Psychologists in the health service. **Ir Med J** 68(17):412–3, 13 Sep 75
Health service priorities. **Ir Med J** 69(10):260, 29 May 76
Presidential address. Health service priorities. O'Donnell B. **Ir Med J** 69(10):239–42, 29 May 76
Editorial: National health insurance efforts slowed. Kaplan RI. **J Am Coll Dent** 42(4):189–90, Oct 75
Editorial: The drift toward NHI. Northup GW. **J Am Osteopath Assoc** 75(6):558, Feb 76
National health systems in eight countries. **J Am Pharm Assoc** 15(12):699, Dec 75
A pharmaceutical perspective of Australia's Health Benefits Program. Elzarian EJ. **J Am Pharm Assoc** 15(12):695–8, 708, Dec 75
Pharmacy in national health insurance. Werble W. **J Am Pharm Assoc** 16(7):398–0, Jul 76
The 1974 reorganization of the British National Health Service: an analysis. Jonas S, et al. **J Community Health** 1(2):91–105, Winter 75
The effect on future physician requirements of an HMO policy after national health insurance. Saward EW. **J Community Health** 1(1):53–71, Fall 75
50th All–India Medical Conference, Calcutta. Presidential address. Majumdar J. **J Indian Med Assoc** 64(7):172–82, 1 Apr 75
From the National Institute of Allergy and Infectious Diseases of the National Institutes of Health, the Center for Disease Control, and the Bureau of Biologics of the Food and Drug Administration: a status report on national immunization against influenza. Seal JR, et al. **J Infect Dis** 133(6):715–20, Jun 76
From the National Institute of Allergy and Infectious Diseases of the National Institutes of Health, the Center for Disease Control, and the Bureau of Biologics of the Food and Drug Administration: a status report on national immunization against influenza. Seal JR, et al. **J Infect Dis** 133(6):715–20, Jun 76
Nursing in general practice in the re–organised National Health Service. **J R Coll Gen Pract** 25(157):593–5, Aug 75
Editorial: Priorities for the health service. **J R Coll Gen Pract** 26(166):315–6, May 76
Medical care in Sweden. Freedman DL. **J R Coll Gen Pract** 25(153):302–4, Apr 75
Letter: Maternity grants–room for reform? Wolfarth P. **J R Coll Gen Pract** 25(155):441, Jun 75
Editorial: The National Health Service. **J R Coll Physicians Lond** 10(2):115–6, Jan 76
Russian medicine. Irvin CW Jr. **J SC Med Assoc** 71(7):210–7, Jul 75
Editorials: Medicine, Russia, shock, and the future. Kimbrough EE. **J SC Med Assoc** 71(7):230–1, Jul 75
Recipe for chaos: national health insurance. Gordon HC. **J Tenn Med Assoc** 69(3):223, Mar 76
Editorial: Points of view. Hussey HH. **JAMA** 234(9):959–60, 1 Dec 75
Letter: British medical system. Lemon FR. **JAMA** 235(16):1688, 19 Apr 76
Primary medical care. The cooperative solution to the volume problem. Marsh GN. **JAMA** 235(1):45–8, 5 Jan 76
Reorganisation on Humberside. **Lancet** 2(7936):649, 4 Oct 75
Editorial: Strategy and tactics. **Lancet** 2(7938):753–4, 18 Oct 75
Editorial: Much in jeopardy. **Lancet** 2(7946):1194, 13 Dec 75
Editorial: Health policy devolved. **Lancet** 2(7945):1136, 6 Dec 75
Editorial: Damaging action. **Lancet** 2(7945):1134–5, 6 Dec 75
Editorial: Ruin ahead. **Lancet** 2(7944):1081, 29 Nov 75
Editorial: Ban the ban. **Lancet** 1(7949):23, 3 Jan 76
Editorial: Reversible decline. **Lancet** 1(7951):132, 17 Jan 76
Letter:Ban the ban. **Lancet** 1(7951):140–1, 17 Jan 76
Letter: Pay beds. **Lancet** 1(7952):191–2, 24 Jan 76
Editorial: A little bit more. **Lancet** 1(7951):133, 17 Jan 76
Letter: Family planning in hospitals. **Lancet** 1(7958):537–8, 6 Mar 76
Letter: Reversible decline. **Lancet** 1(7953):242–3, 31 Jan 76
Editorial: Administrators and doctors. **Lancet** 1(7957):463, 28 Feb 76
Editorial: N.Z.N.H.S.? **Lancet** 1(7960):622, 20 Mar 76
Letter: Professional freedom. **Lancet** 1(7969):1132–3, 22 May 76
Editorial: 'To come again, 3 months'. **Lancet** 1(7970):1168–9, 29 May 76
Letter: A professor emigrates. **Lancet** 1(7970):1179–80, 29 May 76
Editorial: The increments dispute and the closed shop. **Lancet** 02(7987):669, 25 Sep 76
Letter: Financing the health service. Andrews J. **Lancet** 1(7970):1184, 29 May 76
The reallocation of resources. Parallels with past experience. Barnard K, et al. **Lancet** 1(7974):1399–401, 26 Jun 76
Letter: National Health Service Consultants' Association. Baxter S. **Lancet** 1(7968):1074, 15 May 76
Managing the health service: the doctor's contribution. Elwood WJ. **Lancet** 02(7987):677–9, 25 Sep 76
Doctors and administrators. A joint experiment. Grimes DS. **Lancet** 1(7956):413–5, 21 Feb 76
Letter: Mobility of medical manpower. Mackenzie AS. **Lancet** 1(7970):1183, 29 May 76
Clinical freedom and professional freedom. Owen D. **Lancet** 1(7967):1006–9, 8 May 76
Letter: Family planning in hospitals. Spaeth. **Lancet** 1(7954):300–1, 7 Feb 76
Letter: Politics and Prometheus. Woodhouse DF. **Lancet** 1(7973):1350, 19 Jun 76
Medical illustration in the new Health Service. 4. Broadening the base. Engel CE. **Med Biol Illus** 24(4):174–6, Nov 74
Editorial: Caring for pensioners under Medibank. **Med J Aust** 2(2):35–6, 12 Jul 75
Editorial: Privacy and medical practice, 1975. **Med J Aust** 2(10):375–6, 6 Sep 75
Editorial: The Medibank review. **Med J Aust** 1(8):213–4, 21 Feb 76
Rehabilitation and chronic mental illness – British models. Cavanaugh JL Jr. **Ment Health Soc** 1(3–4):187–96, 1974
Equity in paying for health care services under a national insurance system. Boaz RF. **Milbank Mem Fund Q** 53(3):337–52, Summer 75
Physician participation in health service management: expectations in United States and experiences in England. Schulz R, et al. **Milbank Mem Fund Q** 54(1):107–28, Winter 76
Who will finance NHI? Brazda JF. **Mod Health Care** 5(2):14, Feb 76
What is ahead for healthcare? Cathcart HR. **Mod Health Care** 6(1):202, Jul 76
The goals are at the poles. Cunningham RM Jr. **Mod Health Care** 5(2):10, 12, Feb 76
Strikes, ants in the OR, too many paper pushers. Woodson D. **Mod Health Care** 5(5):16P, May 76
Letter: New leadership in medicine. **N Engl J Med**

293(17):880–1, 23 Oct 75
Letter: Preventive motivation in national health insurance. Collings GH Jr. **N Engl J Med** 294(4):228, 22 Jan 76
Letter: National health insurance – who needs it? Greene JN. **N Engl J Med** 293(22):1154, 27 Nov 75
By the London ost. National health service—inquiry into the demystification of medicine—Gordon Hamilton Fairley. Lister J. **N Engl J Med** 293(26):1359–61, 25 Dec 75
By the london post. A profession in distress. Lister J. **N Engl J Med** 294(5):265–7, 29 Jan 76
By the London Post. Uneasy truce–new thoughts on welfare. Lister J. **N Engl J Med** 294(9):483–5, 26 Feb 76
Medicopolitical peace? — Challenge to Clinical Autonomy — Compulsory seat belts. Lister J. **N Engl J Med** 294(18):996–8, 29 Apr 76
By the London Post. Bleak outlook–selection of medical students–lessons of doctors' industrial action. Lister J. **N Engl J Med** 294(22):1224–6, 27 May 76
Political vicissitudes of the National Health Service–Clinical postscript on coronary heart disease. Lister J. **N Engl J Med** 294(26):1444–6, 24 Jun 76
Letter: Preventive motivation in national health insurance. Sefi RS. **N Engl J Med** 294(10):561–2, 4 Mar 76
Editorial: Calculated confrontation. **Nurs Times** 71(41):1599, 9 Oct 75
NHS in Scotland: a summary of the reorganised structure. **Nurs Times** 72(29):1136–7, 22 Jul 76
Shopping for '76. Bosanquet N. **Nurs Times** 72(1):10–1, 1–8 Jan 76
Spending to best effect. Bosanquet N. **Nurs Times** 72(8):286–7, 26 Feb 76
Forgotten groups. Bosanquet N. **Nurs Times** 72(13):480, 1 Apr 76
View from the top. Bosanquet N. **Nurs Times** 72(14):522, 8 Apr 76
Facts of life. Bosanquet N. **Nurs Times** 72(23):880–1, 10 Jun 76
Strangest job in the NHS? Bromelow I. **Nurs Times** 72(5):196, 5 Feb 76
A last look at last year. Cullinan J. **Nurs Times** 72(1):12–4, 1–8 Jan 76
Distant dreams? Dunn A. **Nurs Times** 72(9):326, 4 Mar 76
Who is liable? Grant N. **Nurs Times** 71(38):1484–5, 18 Sep 75
Retaining the Whitley system. Howell LC. **Nurs Times** 72(33):1288–9, 19 Aug 76
NHS management courses—whose responsibility? Huczynski AA. **Nurs Times** 72(3):suppl:9–11, 22 Jan 76
Cost–benefit paralysis. Teeling–Smith G. **Nurs Times** 72(3):88–9, 22 Jan 76
A symposium on the British Health System. A report. Lustermann EA. **NY State Dent J** 41(8):462–3, Oct 75
Editorial: The National Health Planning and Resources Development Act (P.L. 93–641) and health system agencies. Stolfi JE. **NY State J Med** 76(3):352–4, Mar 76
Editorial: Dentistry and the White Paper on health. **NZ Dent J** 71(324):61–3, Apr 75
Presidential address. Gilbert HH. **NZ Med J** 83(561):238–40, 14 Apr 76
Health redefined. Jones KS. **NZ Med J** 83(561):240–1, 14 Apr 76
Health service re-organisation. Penman HG. **NZ Med J** 82(543):22–3, 9 Jul 75
The CSP's evidence to Lord Halsbury. **Physiotherapy** 60(8):247–50, Aug 74
Progress in partnership—physiotherapy and the DHSS. Morris A. **Physiotherapy** 61(12):358–9, Dec 75
The new NHS: a progress report. Spencer JA. **Physiotherapy** 61(1):7–10, Jan 75
Trade names or approved names. Part II. Points of view. The department of health. Cornah G. **Postgrad Med J** 50(580):77–80, Feb 74
An enquiry into the training needs of transferred officers. Acheson RM. **Public Health** 89(6):247–51, Sep 75
A survey of district community physicians in England six months after N.H.S. reorganization. Donaldson RJ. **Public Health** 89(6):253–60, Sep 75
Health care planning and computing in Sweden. Heath PJ. **Public Health** 89(6):297–303, Sep 75
National health insurance in the Federal Republic of Germany and its implications for U.S. consumers. MacLeod GK. **Public Health Rep** 91(4):343–8, Jul–Aug 76
The reorganized national health service: staffing problems in nursing. Emerton AC. **R Soc Health J** 96(2):58–62, Apr 76
Letter: Nationalisation of mission hospitals. Roux GH. **S Afr Med J** 49(41):1684, 27 Sep 75
The role of the state in the development of the citizens' health protection. Indulski J, et al. **Sante Publique (Bucur)** 18(4):389–402, 1975
Methodological problems regarding the development of economics of the socialist health protection system. Serenko AF, et al. **Sante Publique (Bucur)** 18(4):403–18, 1975
Medical records in family practice. A review. Warren MD. **Scand J Soc Med** 4(2):91–101, 1976
The financing of national health insurance. Mitchell BM, et al. **Science** 192(4240):621–9, 14 May 76
EPSDT: a blueprint for national health insurance? Tytla EM. **Sight Sav Rev** 46(1):19–23, Spring 76
Midical rehabilitation: Policy–making in the English health service. Lee RH. **Soc Sci Med** 9(6):325–32, Jun 75
The United States National Family Planning Program, 1968–74. Dryfoos JG. **Stud Fam Plann** 7(3):80–92, Mar 76
Thailand's field–worker evaluation project. Porapakkham Y, et al. **Stud Fam Plann** 6(7):201–4, Jul 75
Compulsory national health insurance: What you will get and what it will cost. Mosberg WH Jr, et al. **Surg Neurol** 4(5):421–31, Nov 75
The bitter pill: socialized medicine in Britain. Satterfield DE 3rd. **Va Med Mon** 102(11):959–60, Nov 75
Editorial: From the iron to the lace curtain. Scott ME. **Va Med Mon** 103(7):511–3, Jul 76
[Fulfilment of tasks of the 5th 5–year plan in our overall health care] Prokopec J. **Cas Lek Cesk** 115(9):257–62, Mar 76 **(Cze)**
[Activities of the Scientific Council of the Czechoslovak Department of Health in the 5th 5–year plan. Realization of the conclusions of the XIVth convention of the Czechoslovak Communist Party and of the tasks of the 5th 5–year plan in the health sector] Pudlák P. **Cas Lek Cesk** 115(9):262–6, Mar 76 **(Cze)**
[Current problems in the development and position of social medicine] Bílek V. **Cesk Zdrav** 23(8–9):305–7, Sep 75 **(Cze)**
[Problems in the abuse of health services offered by district health officers] Gladkij I. **Cesk Zdrav** 23(10):405–11, Oct 75 (Eng. Abstr.) **(Cze)**
[Various theoretical problems of social hygiene, its role and the current tasks of Soviet Health Administration] Serenko AF. **Cesk Zdrav** 23(8–9):308–11, Sep 75 **(Cze)**
[Health education and its position in social medicine] Taufrová M. **Cesk Zdrav** 23(8–9):336–8, Sep 75 **(Cze)**
[Various theoretical and conceptual problems of social medicine] Záček A. **Cesk Zdrav** 23(8–9):312–23, Sep 75 (Eng. Abstr.) **(Cze)**
[Current problems of morale of the socialist physician] Matoušek M. **Zdrav Aktual** (178):1–36, 1973 **(Cze)**
[Russian health politics—an example for western countries] Holma B. **Ugeskr Laeger** 138(9):569–71, 23 Feb 76 **(Dan)**
[The liberty of the physician in government service. On rights and duties and trust and faith in a state governed by law] Kägi W. **Helv Chir Acta** 43(4):395–402, Sep 76 **(Ger)**
[Psychotherapy in the socialist health care organization] pp 23–7. Dobiás J.
In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p. **(Ger)**
[Impressions of the health care system in China] Schölmerich P. **Med Welt** 26(15):739–42, 11 Apr 75 **(Ger)**
[Aspects of further improvement in medical and social care of aged citizens from a gerohygienic viewpoint] Eitner S. **Z Gesamte Hyg** 20(4):242–6, Apr 74 (Eng. Abstr.) **(Ger)**
[Soviet Military Administration (SMA) orders as initiators and guidelines for a socialist health service] Kaiser W, et al. **Z Gesamte Hyg** 21(4):344–51, Apr 75 (Eng. Abstr.) **(Ger)**
[Establishment of the image of a socialist physician] Kunzendorff E, et al. **Z Gesamte Hyg** 21(5):402–8, May 75 (Eng. Abstr.) **(Ger)**
[Housing program of the German Democratic Republic from the medical viewpoint] Magyar K. **Z Gesamte Hyg** 21(5):424–5, May 75 (Eng. Abstr.) **(Ger)**
[Principles of medical supervision of healthy children aged 0 to 18 years in the German Democratic Republic] Sälzler A. **Z Gesamte Hyg** 20(12):855–7, Dec 74 (Eng. Abstr.) **(Ger)**
[Theoretical bases of Soviet health legislation] Vinogradov NA. **Z Gesamte Hyg** 20(11):801–8, Nov 74 (Eng. Abstr.) **(Ger)**
[The Soviet preventive health care in the period of developed socialist society] Vinogradov NA. **Z Gesamte Hyg** 21(4):338–44, Apr 75 **(Ger)**
[Principles of public health protection in the German Democratic Republic] Renker K. **Z Urol Nephrol** 67(10):727–35, Oct 74 **(Ger)**
[The free profession of the physician in the socialist state] Baier H. **Zahnaerztl Mitt** 65(10):473–8, 16 May 75 **(Ger)**
[The political patient.
Observations—analyses—consequences] Schreiber G. **Zahnaerztl Mitt** 66(17):846–51, 1 Sep 79 **(Ger)**
[Letter: Integrated patient care and the district physician] Fodor M. **Orv Hetil** 117(8):504, 22 Feb 76 **(Hun)**
Regional medical programs of the world – the regional medical program and National Health Service(NHS) in Great Britain] Gunji A. **Jpn J Clin Med** 33(8):2604–8, 10 Aug 75 **(Jpn)**
[Features of Chinese health service] Bruusgaard D, et al. **Lakartidningen** 73(30–31):979–81, 21 Jul 76 (Eng. Abstr.) **(Nor)**
[Toward the 25th Congress of the CPSU: let us raise the effectiveness of medical work and the quality of training of health personnel] Petrovskii KS. **Gig Sanit** (1):3–7, Jan 76 **(Rus)**
[Principal results of the fulfillment of the plan for the development of public health in 1974] Golovteev VV. **Sov Zdravookhr** (6):3–8, 1975 (Eng. Abstr.) **(Rus)**
[Role of the medical institute in rendering highly qualified specialized medical care to the population] Kliucharev AA, et al. **Sov Zdravookhr** (11):25–9, 1975 (Eng. Abstr.) **(Rus)**
[Legal regulation of obligatory and compulsory treatment of citizens] Kulaev IM, et al. **Sov Zdravookhr** (11):20–5, 1975 (Eng. Abstr.) **(Rus)**
[Rights and duties of the citizens in the field of health care] Novoselov VI. **Sov Zdravookhr** (9):8–13, 1975 (Eng. Abstr.) **(Rus)**
[Medical industry of the USSR—public health] Dvoriakovskii VA. **Vopr Onkol** 22(1):3–6, 1976 **(Rus)**
[Evaluation of working conditions of district therapeutists] Kaiukova TN, et al. **Vrach Delo** (9):147–51, Sep 75 **(Rus)**
[Reorganization of national health services in England–an event worth knowing by world health professionals] Granić K, et al. **Nar Zdrav** 31(1–2):17–20, Jan–Feb 75 (Eng. Abstr.) **(Ser)**
[Sociomedical aspects of economics in health services] Makovický E. **Cesk Zdrav** 23(8–9):325–8, Sep 75 **(Slo)**
[Health care politics and health education in East Germany] Nicolausson U, et al. **Lakartidningen** 73(8):584–7, 18 Feb 76 **(Swe)**
[Ideology and health care. Some reflections after study trips to the Soviet Union and China] Sundström–Feigenberg K. **Lakartidningen** 73(11):973–6, 10 Mar 76 **(Swe)**

HISTORY

Social security and health care since Beveridge. Orriss HD. **Nurs Times** 72(10):390–1, 11 Mar 76
The international significance of N. A. Semashko's theoretical legacy (on the occasion of the centenary of his birth). Lekarev LG. **Sante Publique (Bucur)** 18(4):489–500, 1975
Thirty years of existence of the Czechoslovakian health protection system. Procopeč J. **Sante Publique (Bucur)** 18(4):383–8, 1975
[Historical methods in social medicine. Comments on the definition of subject, methods and significance of the history of public health and social medicine] Bílek V, et al. **Cesk Zdrav** 23(8–9):339–42, Sep 75 **(Cze)**
[4th of April (State medicine in Hungary)] Zsögön E. **Orv Hetil** 117(14):823–5, 4 Apr 76 **(Hun)**
[Tradition and present–day medicine in Sri Lanka] Gembicki M. **Pol Tyg Lek** 30(31–32):1341–3, 4–11 Aug 75 (Eng. Abstr.) **(Pol)**
[55 years of the nationalization of the pharmacies in Belorussia] Shamruk SG. **Farmatsiia** 24(1):57–9, Jan–Feb 75 **(Rus)**

MANPOWER

Medical manpower: I–how much can ancillaries take over? Working paper. The tale of two committees or the perils of prediction. Klein R. **Br Med J** 1(6000):25–30, 3 Jan 76

STANDARDS

[What percentage of patients with left ventricular heart hypertrophy can be detected by means of the public radiographic serial studies?] Pocher K, et al. **Z Alternsforsch** 29(4):349–53, 1975 **(Ger)**

STATISTICS

see related
BIOMETRY
PSYCHOMETRICS
SOCIOMETRIC TECHNICS

The discrimination in time series analysis – a working procedure. Mager PP. **Act Nerv Super (Praha)** 17(2):149–54, May 75
A multivariate autoregressive transformation of an empirical time series which bases on the principal component analysis. Mager PP. **Act Nerv Super (Praha)** 17(3):185–6, SEP 75
Application of mathematical classification methods in medicine. Drdková S. **Acta Univ Carol [Med] (Praha)** 20(7–8):455–69, 1974
Statistical methods for determining non–compliance. Leidel NA, et al. **Am Ind Hyg Assoc J** 36(11):839–40, Nov 75
The effect of analyte and analyte concentration upon precision estimates in clinical chemistry. Ross JW, et al. **Am J Clin Pathol** 66(1):193–205, Jul 76
An evaluation of statistical procedures designed to detect outliers resulting from a light degree of contamination in random samples of moderate size. Williams GW, et al. **Am J Clin Pathol** 66(1):167–83, Jul 76
Some statistical implications of rounding in the College of American Pathologists Survey. Williams GW, et al. **Am J Clin Pathol** 66(1):162–6, Jul 76
A note on controlling significance levels in stepwise regression. Kupper LL, et al. **Am J Epidemiol** 103(1):13–5, Jan 76
Letters to the editor: Statistical analysis of genetic variance in twins. Christian JC, et al. **Am J Hum Genet** 27(6):807, Nov 75
A note on goodness of fit of a population to Hardy–Weinberg structure. Emigh TH, et al. **Am J Hum Genet** 27(6):778–83, Nov 75
Editorial: Statistical inference—Bayesian and non–Bayesian. Ewens WJ. **Am J Hum Genet** 28(4):420–2, Jul 76
Letter: Methods and interpretation of twin concordance data. Hrubec Z, et al. **Am J Hum Genet** 27(6):808–9, Nov 75
The prediction of glaucoma from ocular biometric data. Part 2. An evaluation. Tomlinson A, et al. **Am J Optom Physiol Opt** 52(12):817–22, Dec 75
The prediction of glaucoma from ocular biometric data. Part 1. An application of multiple regression analysis. Tomlinson A, et al. **Am J Optom Physiol Opt** 52(12):807–16, Dec 75
Letter: Indices for evaluating nutritional state. El Lozy M. **Am J Public Health** 66(3):298, Mar 76

Letter: Principal component analysis technique recommended. Talwar PP. **Am J Public Health** 66(3):297–8, Mar 76

A statistical method for the estimation of binding parameters in a complex system. Priore RL, et al. **Anal Biochem** 70(1):231–40, Jan 76

Statistical pearls. I. An empty shell game. Harris PD. **Anesth Analg (Cleve)** 55(1):82–4, Jan–Feb 76

Statistical pearls. II how often did that happen? Harris PD. **Anesth Analg (Cleve)** 55(3):357–9, May–Jun 76

The biologic application of multivariate techniques. The subject as his own reference. Winkel P, et al. **Ann Biol Clin (Paris)** 33(3):174–82, 1975

Optimal and discriminating birth weights in human populations. Sansing RC, et al. **Ann Hum Genet** 40(1):123–31, Jul 76

On numerators, denominators, and virgules. Feinstein AR. **Ann Thorac Surg** 20(3):364–6, Sep 75

An improved statistical method for assessing the results of operation. Grunkemeier GL, et al. **Ann Thorac Surg** 20(3):289–98, Sep 75

Two stage screening designs applied to chemical–screening problems with binary data. Elashoff RM. **Annu Rev Biophys Bioeng** 5:561–87, 1976 (32 ref.)

Proceedings: Statistical aspects of sampling. Leussink AB. **Antonie van Leeuwenhoek** 41(3):378–9, 1975

Methods for fitting equations with two or more non–linear parameters. Nimmo IA, et al. **Biochem J** 157(2):489–92, 1 Aug 76

Two methods for fitting a rectangular hyperbola to data from several animals. Nimmo IA. **Biochem J** 157(2):493–4, 1 Aug 76

The use and analysis of multiple responses in multicompartment cellular systems. Allen DJ, et al. **Biometrics** 31(4):921–9, Dec 75

Science, statistics, and paired comparisons. Bradley RA. **Biometrics** 32(2):213–39, JUN 76

Regression analysis of the log odds ratio: a method for retrospective studies. Breslow N. **Biometrics** 32(2):409–16, JUN 76

On the use of indicator variables for studying the time–dependence of parameters in a response–time model. Brown CC. **Biometrics** 31(4):863–72, Dec 75

The statistical analysis of density dependence. Bulmer MG. **Biometrics** 31(4):901–11, Dec 75

Some interrelationships among the regression coefficient estimates arising in a class of models appropriate to response–time data. Byar DP, et al. **Biometrics** 31(4):943–7, Dec 75

Maximum likelihood estimation for a special type of grouped data with an application to a dose–response problem. Fryer JG, et al. **Biometrics** 31(3):633–42, Sep 75

On some results for a bivariate branching process. Ghai GL, et al. **Biometrics** 31(3):761–3, Sep 75

An improved life table method. Keyfitz N, et al. **Biometrics** 31(4):889–99, Dec 75

Space–time clustering tests for more than two samples. Klauber MR. **Biometrics** 31(3):719–26, Sep 75

Higher–order diagnosis of two–way tables, illustrated on two sets of demographic empirical distributions. McNeil DR, et al. **Biometrics** 31(2):487–510, Jun 75

The equivalence of the generalized McNemar tests for marginal homogeneity in 2(3) and 3(2) tables. Mantel N, et al. **Biometrics** 31(3):727–9, Sep 75

A review of response surface methodology from a biometric viewpoint. Mead R, et al. **Biometrics** 31(4):803–51, Dec 75 (310 ref.)

Statistics and medical experimentation. Meier P. **Biometrics** 31(2):511–29, Jun 75

A statistical model of the dynamics of a mosquito vector (Culex tarsalis) population. Moon TE. **Biometrics** 32(2):355–68, JUN 76

The analysis of ranked data derived from completely randomized factorial designs. Scheirer CJ, et al. **Biometrics** 32(2):429–34, JUN 76

Efficiency of case–control studies with multiple controls per case: continuous or dichotomous data. Ury HK. **Biometrics** 31(3):643–9, Sep 75

The analysis of binary responses from toxicological experiments involving reproduction and teratogenicity. Williams DA. **Biometrics** 31(4):949–52, Dec 75

Maximum gain in the two–stage classification procedure. Zielezny MA. **Biometrics** 32(2):481–4, JUN 76

The strategy of gene assignment using hybrids: the number of lines needed to exclude chance associations. Bengtsson B, et al. **Birth Defects** 11(3):62–6, 1975

An approximation for the prior probability of autosomal linkage. Elston RC. **Birth Defects** 11(3):120–2, 1975

A test of several parametic statistical models for estimating success rate in the treatment of carcinoma cervix uteri. Mould RF, et al. **Br J Cancer** 32(5):529–50, Nov 75

Internal reliability of MCQ tests: a modification of the KR20 formula to meet a special case. Sanderson PH. **Br J Med Educ** 9(4):273–4, Dec 75

Statistical analysis of individually matched case–control studies in epidemiology: factor under study a discrete variable taking multiple values. Pike MC, et al. **Br J Prev Soc Med** 29(3):196–201, Sep 75

An investigation of space and space–time clustering in a large sample of infants with neural tube defects born in Cardiff. Roberts CJ, et al. **Br J Prev Soc Med** 29(3):202–4, Sep 75

The use of autocorrelation analysis in the longitudinal study of mood patterns in depressed patients. Huba GJ, et al. **Br J Psychiatry** 128:146–55, Feb 76

Application of the Weibull distribution to some instances of cell survival; of neoplastic survival, and of ageing. Campos JL. **Br J Radiol** 48(575):913–7, Nov 75

Letter: Confidence limits. Edwards AW. **Br Med J** 2(6033):472, 21 Aug 76

Letter: Cancer statistics. Mould RF. **Br Med J** 1(6008):523, 28 Feb 76

Statistics at square one. I. Tabulation of data. Swinscow TD. **Br Med J** 1(6020):1262–3, 22 May 76

Statistics at square one. II—Mean from frequency distribution. Swinscow TD. **Br Med J** 1(6021):1325–6, 29 May 76

Statistics at square one. IX—Percentages. Swinscow TD. **Br Med J** 2(6028):166–7, 17 Jul 76

Statistics at square one. V–Populations and samples. Swinscow TD. **Br Med J** 1(6024):1513–4, 19 Jun 76

Statistics at square one. VI. Variation between samples. Swinscow TD. **Br Med J** 1(6025):1585, 26 Jun 76

Statistics at square one. VIII—Differences between means. Swinscow TD. **Br Med J** 2(6027):94–5, 10 Jul 76

Statistics at square one. III—Standard deviation. Swinscow TD. **Br Med J** 1(6022):1393–4, 5 Jun 76

Statistics at square one. XII—The t tests (continued). Swinscow TD. **Br Med J** 2(6031):358–9, 7 Aug 76

Statistics at square one. XV—The chi–squared tests (continued). Swinscow TD. **Br Med J** 2(6034):513–4, 28 Aug 76

XIV—The chi tests. Swinscow TD. **Br Med J** 2(6033):462–3, 21 Aug 76

XI—The t tests. Swinscow TD. **Br Med J** 2(6030):291–2, 31 Jul 76

IV—Standard deviation (concluded). Swinscow TD. **Br Med J** 1(6023):1458–9, 12 Jun 76

XII—The t tests (concluded). Swinscow TDV. **Br Med J** 2(6032):408–9, 14 Aug 76

Letter: Cancer statistics. Whitehead FE. **Br Med J** 1(6003):223, 24 Jan 76

The worship of 'p': significant yet meaningless research results. Schulman JL, et al. **Bull Menninger Clin** 40(2):134–43, Mar 76

Cancer statistics, 1976 a comparison of white and black populations. Seidman H, et al. **CA** 26(1):2–30, Jan–Feb 76

A proposed program for introducing epidemiology and biostatistics early in the medical curriculum. Abu–Zeid HA, et al. **Can J Public Health** 66(6):488–92, Nov–Dec 75

Statistical problems in detecting the late consequences of therapy. Finney DJ. **Cancer** 37(2 Suppl):1226–36, Feb 76

Report from Sloan–Kettering Institute. Biostatistics Laboratory: success of a new venture. **Clin Bull** 6(1):28–30, 1976

Accurate estimation of standard deviations for quantitative methods used in clinical chemistry. Burnett RW. **Clin Chem** 21(13):1935–8, Dec 75

Trend detection in control data: optimization and interpretation of Trigg's technique for trend analysis. Cembrowski GS, et al. **Clin Chem** 21(10):1396–405, Sep 75

Applications of statistics in clinical chemistry. A critical evaluation of regression lines. Wakkers PJ, et al. **Clin Chim Acta** 64(2):173–84, 15 Oct 75

The incorrect use of Chi–square analysis for paired data. Hoffman JI. **Clin Exp Immunol** 24(1):227–9, Apr 76

Clinical biostatistics. Bailar's laws of data analysis. Bailar JC III. **Clin Pharmacol Ther** 20(1):113–9, Jul 76

Clinical biostatistics. XXXIV. The other side of 'statistical significance': alpha, beta, delta, and the calculation of sample size. Feinstein AR. **Clin Pharmacol Ther** 18(4):491–505, Oct 75

Clinical biostatistics. XXXV. The persistent clinical failures and fallacies of the UGDP study. Feinstein AR. **Clin Pharmacol Ther** 19(1):78–93, Jan 76

Clinical biostatistics. XXXVI. the persistent biometric problems of the UGDP study. Feinstein AR. **Clin Pharmacol Ther** 19(4):742–85, Apr 76

Calculation of survival rates by the life table and other methods. Mould RF. **Clin Radiol** 27(1):33–8, Jan 76

Correspondence section: Regression lines and correlations. Nicholson JP. **Clin Sci Mol Med** 50(4):319–20, Apr 76

Reliability of caries data in three clinical trials. Rugg–Gunn AJ, et al. **Community Dent Oral Epidemiol** 4(1):15–8, Jan 76

Exact and asymptotic methods for the combination of 2 times 2 tables. Thomas DG. **Comput Biomed Res** 8(5):423–46, Oct 75

A computer program for the graphical and iterative fitting of probability density functions to biological data. Brassard JR, et al. **Comput Programs Biomed** 5(1):11–38, Sep 75

Statistical analysis and graphical representation the temporal and distributive properties of urodynamic data. Silvert M, et al. **Comput Programs Biomed** 5(1):5–10, Sep 75

Normal values: theoretical and practical aspects. Werner M, et al. **CRC Crit Rev Clin Lab Sci** 6(2):81–100, Sep 75 (62 ref.)

Analysis of change. Dotson CO. **Exerc Sport Sci Rev** 1:393–419, 1973

Sampling theory and procedures. Schutz RW. **Exerc Sport Sci Rev** 1:365–92, 1973

Stability of distance between structured groups in a social organism: empirical research. Brambilla F. **Experientia** (22):213–20, 1976

Genetic drift in clines which are maintained by migration and natural selection. Felsenstein J. **Genetics** 81(1):191–207, Sep 75

The relative influence of geometry and statistical fluctuations of energy loss on the distribution function of energy deposition by charged particles in proportional counters. Baily NA, et al. **Health Phys** 28(5):503–9, May 75

Letter. Draper GJ. **Health Phys** 29(2):353, Aug 75

Phenotypic selection in autopolyploids. Wright AJ. **Heredity (Lond)** 35(2):282–6, Oct 75

The significance for breeding of linear regression analysis of genotype–environment interactions. Wright AJ. **Heredity (Lond)** 37(1):83–93, Aug 76

Power of assaying inbreeding through sampling of phenotypes and mating types. Chakraborty R. **Humangenetik** 29(3):217–22, 23 Sep 75

The effect of measurement errors on correlation estimates in interval sequences. Ten Hoopen M. **IEEE Trans Biomed Eng** 22(5):451–4, Sep 75

The possibility of using statistical methods in haematology. pp. 57–62. Damiani S, et al.
In: Astaldi G et al., ed. Current studies on standardization problems in clinical pathology, haematology, and radiotherapy in Hodgkin's disease. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.348 1974.

Methodological problems of data collection and analysis in the mental health services. pp. 125–32. Brooke EM.
In: Baasher TA et al., ed. Mental health services in developing countries. Geneva, World Health Organization, 1975. W1 W15E no.22 1975.

Statistical rhythm evaluation. pp. 25–35. Batschelet E.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Rotational angular correlations. pp. 97–104. Downs TD.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

The applications of moments and cluster analysis to reproductive cycles. pp. 83–95. Hanson AR, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

A statistical approach to quality control. pp. 111–21. Bull BS.
In: Lewis SM, Coster JF, ed. Quality control in haematology. London, Academic Press, 1975. WH 100 I62q 1974. 1975

Space–time clustering analysis: a prospectus. pp. 75–89. Klauber MR.
In: Ludwig D, Cooke KL, ed. Proceedings of SIMS Conference on Epidemiology. Philadelphia, Society for Industrial and Applied Mathematics, 1975. WA 100 S614p 1974.

Change and sameness in personality development: unwarranted conclusions. Block J. **Int J Aging Hum Dev** 6(3):277–81, 1975

Trend detection of pseudo–random variables using a exponentially mapped past statistical approach: an adjunct to computer assisted monitoring. Hitchings DJ, et al. **Int J Biomed Comput** 6(2):73–88, Apr 75

Path analysis of socioeconomic correlates of county infant mortality rates. Brooks CH. **Int J Health Serv** 5(3):499–514, 1975

Letter: Inference on mean values and proportions of clinical observation. Okazaki T, et al. **J Allergy Clin Immunol** 57(6):623–4, Jun 76

An evaluation of multiple comparison procedures. Waldo DR. **J Anim Sci** 42(2):539–44, Feb 76

A statistical model for studying regional differences in observed mortality rates, and its application to Ontario during 1964–1968. El–Shaarawi AH, et al. **J Chronic Dis** 29(5):311–30, May 76

The role of prognostic stratification in preventing the bias permitted by random allocation of treatment. Feinstein AR, et al. **J Chronic Dis** 29(4):277–84, Apr 76

Measures on qualitative variables in coronary heart disease studies. McGilchrist CA, et al. **J Chronic Dis** 29(5):285–8, May 76

Studies on normal blood glucose level – statistical approach to interpretation of glucose tolerance test. Sasaki A, et al. **J Chronic Dis** 29(2):129–40, Feb 76

Self–instructional teaching of biostatistics for medical students. Robinson H, et al. **J Community Health** 1(4):249–55, Summer 76

Multiple comparisons: comparisonwise versus experimentwise Type I error rates and their relationship to power. Kemp KE. **J Dairy Sci** 58(9):1374–8, Sep 75

Statistics and the dental curriculum. Lu KH. **J Dent Educ** 40(5):290–2, May 76

Regression–based techniques for estimating fluoride in surface enamel in large study groups. Bookstein F, et al. **J Dent Res** 55(1):97–106, Jan–Feb 76

Propriety of using percentages in reporting anticariogenic studies. Kamen A, et al. **J Dent Res** 55(4):703, Jul–Aug 76

Proceedings: Calculation and statistical assessment of kinetic data from infusion experiments. Wilson DW, et al. **J Endocrinol** 68(3):25P–26P, Mar 76

Litter sizes of Ha(ICR) mice: a preference for even numbers? Blumenson LE, et al. **J Hered** 66(3):119–23, May–Jun 75

Letter to the editor: The D–normal distribution. Gatlin LL. **J Mol Evol** 6(2):147–8, 29 Oct 75

A simple approach to interrater agreement. Archer CO, et al. **J Psychiatr Nurs** 14(6):20–3, Jun 76

Tutorial: application of regression analysis concepts to retrospective research in speech pathology. Young MA. **J Speech Hear Res** 19(1):5–18, Mar 76

Editorial: Statistical review process. Recommended

procedures in biomedical research articles. Shuster JJ, et al. **JAMA** 235(5):534–5, 2 Feb 76
Some statistical methods for use in assessing the adequacy of hemodialysis. Lowrie EG, et al. **Kidney Int [Suppl]** (2):231–42, Jan 75
Letter: 'Significance' in medical statistics. May D. **Lancet** 1(7967):1025, 8 May 76
Statistics for disinterested scientists. Zivin JA, et al. **Life Sci** 18(1):15–26, 1 Jan 76
25. Colorado long-term care statistical reporting system. Davids DJ, et al. **Med Care** 14(5 Suppl):198–208, May 76
Analysis of 2-category data from two matched samples. Lee J. **Med J Malaysia** 30(2):103–9, Dec 75
Bayesian statistics: a guided tour. Raeside DE. **Med Phys** 3(1):1–11, Jan–Feb 76
An application of a non-parametric procedure to test experimental effects on more than one dependent variable. Sarris V, et al. **Methods Inf Med** 15(3):184–7, Jul 76
Some perspectives on the role of biostatistics and epidemiology in the prevention and control of mental disorders. Kramer M. **Milbank Mem Fund Q** 53(3):279–336, Summer 75
Mount Sinai's patients: Trends and prospects. Marshall CL. **Mt Sinai J Med NY** 43(1):1–9, Jan–Feb 76
Letter: Decisions, decisions. **N Engl J Med** 293(19):993–9, 6 Nov 75
Gathering and processing data. Hocking B. **Papua New Guinea Med J** 18(3):178–82, Sep 76
The use of computers in biostatistics. Vansteenkiste GC. **Pharmacol Ther [B]** 1(2):311–56, 1975 (86 ref.)
National statistics. Adelstein AM. **Postgrad Med J** 51 Suppl 2:suppl 15:57–67, 1975
Further experience with discriminant functions in differential diagnosis of hypercalcaemia. Fraser P, et al. **Postgrad Med J** 52(607):254–7, May 76
Statistical tables to detect significance between frequencies in two small samples, with particular reference to biological assays. St. Pierre J, et al. **Rev Can Biol** 35(1):17–23, Mar 76
Age heaping in recent national censuses: an addendum. Wicks JW, et al. **Soc Biol** 22(3):279–81, Fall 75
A method by which burn units may compare their results with a base line curve. Stern M, et al. **Surg Gynecol Obstet** 142(2):230–4, Feb 76
Selection of the experimental unit in teratology studies. Haseman JK, et al. **Teratology** 12(2):165–71, Oct 75
A discussion of simulation results for various aspects of neutral alleles model. Kirby K. **Theor Popul Biol** 7(3):277–87, Jun 75
[Objectives and organization of the Clearinghouse for Health Indexes in the National Center for Health Statistics, United States of America] **World Health Stat Rep** 29(3):140–3, 1976 **(Eng, Fre)**
[Possibilities of statistical processing of audiometric findings] Peřta J, et al. **Cesk Otolaryngol** 25(3):150–5, Jun 76 (Eng. Abstr.) **(Cze)**
[Quantification, measuring and scaling in the social research (author's transl)] Drdková S. **Sb Lek** 78(3):53–6, Mar 76 (Eng. Abstr.) **(Cze)**
[Principles of statistical methodology in medicine. XIII. Relationship of quantitative variables. (Part 1)] Gerylovová A, et al. **Vnitr Lek** 22(1):94–100, Jan 76 (Eng. Abstr.) **(Cze)**
[Principles of statistical methodology in medicine. XVI. Relationship of quantitative variables (2)] Gerylovová A, et al. **Vnitr Lek** 22(2):184–90, Feb 76 (Eng. Abstr.) **(Cze)**
[Principles of statistical methodology in medicine. XV. Dependece of qualitative characters (1.)] Holčík J, et al. **Vnitr Lek** 22(5):492–7, May 76 (Eng. Abstr.) **(Cze)**
[Statistical analysis of data from clinical and retrospective studies] Blunch NJ. **Ugeskr Laeger** 138(7):401–7, 9 Feb 76 (Eng. Abstr.) **(Dan)**
[Letter: Statistics of death cause] Hjorth P. **Ugeskr Laeger** 138(30):1854–5, 19 Jul 76 **(Dan)**
[Letter: Improvement of the statistics of death cause] Voight J. **Ugeskr Laeger** 138(30):1852–4, 19 Jul 76 **(Dan)**
[Statistical testing of hypotheses] Rümke CL, et al. **Ned Tijdschr Geneeskd** 119(51):2038–46, 20 Dec 75 **(Dut)**
[The use of statistical methods in the biological control of medications] Philippe J. **Biol Med (Paris)** 3(1):65–89, Jun 74 **(Fre)**
[Multidimensional analysis in clinical investigation. Application to the pathogenic classification of idiopathic hypercalciuria] Coutris G, et al. **Biomedicine** 22(2):167–74, Mar 75 (Eng. Abstr.) **(Fre)**
[A model of elimination and growth] Féraud L. **Experientia** (22):233–40, 1976 **(Fre)**
[Interest in the biomedical field in the diagram (beta 1, beta 2) of K. Pearson and in the corresponding diagram (gamma 1, gamma 2)] Martin LJ. **Experientia** (22):241–7, 1976 **(Fre)**
[Neurophysiologic application of a system for the study of simple and multiple time series analyses] Dufosse M, et al. **Int J Biomed Comput** 6(4):249–91, Oct 75 (Eng. Abstr.) **(Fre)**
[Adolphe Quetelet (1796–1874). The statistics and biometry of growth] Gysel C. **Orthod Fr** 45(1):643–77, 1974 (Eng. Abstr.) **(Fre)**
[Statistical method: an empiric language in biology] Scardovi I. **Orthod Fr** 44(1):XXXIX–LXVIII, 1973 **(Fre)**
[The search for indices of discrimination of average evoked potentials. (II). Utilisation of coefficients of determination] Faidherbe J, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(1):115–8, Jan–Mar 75 **(Fre)**
[Study of discrimination indices for average evoked potentials. Application to the study of visual field defects] Faidherbe J, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(4):362–70, Oct–Dec 73 **(Fre)**
[Preliminary results of an original statistical method for studying the EEG signal as a succession of half-waves] Findji F, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(3):304–9, Jul–Sep 73 **(Fre)**
[Perspectives offered by the statistical study of time occupied by the half-waves of the EEG signal for the qualification and the quantification of physiologic, psychophysiologic and pathologic states] Renault B, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(3):310–5, Jul–Sep 73 **(Fre)**
[Utilisation of correlation functions in topographic EEG research] Rieger H. **Rev Electroencephalogr Neurophysiol Clin** 3(3):298–300, Jul–Sep 73 **(Fre)**
[Various concepts of statistical methodology] Lejoyeux E. **Rev Odontostomatol (Paris)** 4(6):533–4, Nov–Dec 75 **(Fre)**
[Statistical study of the duration of mineralization of the crown of the upper wisdom tooth. Its incidence in germ enucleation] Coutand A, et al. **Rev Stomatol Chir Maxillofac** 77(2):433–7, Mar 76 **(Fre)**
[Information systems in the analysis of medical records] Szpirglas H, et al. **Rev Stomatol Chir Maxillofac** 77(1):215–8, Jan–Feb 76 **(Fre)**
[Evaluation by multiple regression analysis of the clinical characteristics of a sample of adult-onset diabetics] Jéquier JC, et al. **Union Med Can** 104(6):935–43, Jun 75 (Eng. Abstr.) **(Fre)**
[Pitfalls of statistics as shown in a study on dysplastic hips (author's transl)] Kristen H, et al. **Arch Orthop Unfallchir** 84(2):169–77, 26 Mar 76 (Eng. Abstr.) **(Ger)**
[Validity of statements based on correlation-statistical procedures. A selection of limiting factors] Jäger R. **Arch Psychol (Frankf)** 126(2–4):253–64, 1974 (Eng. Abstr.) **(Ger)**
[Pair differences-U-test. A distribution-free comparative study of two therapies] Buck VW. **Arzneim Forsch** 25(5):825–7, May 75 (Eng. Abstr.) **(Ger)**
[A new method for calculating a compensation function in power series] Haberland G. **Arzneim Forsch** 25(6):861–2, Jun 75 (Eng. Abstr.) **(Ger)**
[MASCA-model of the biochemical-pharmacological drug research. Part 2: Multivariate test criterions and methods (author's transl)] Mager PP. **Arzneim Forsch** 25(8):1270–2, Aug 75 **(Ger)**
[MASCA-model of the biochemical-pharmacological drug research. Part 3: Structure-activity relationships and KANORA (author's transl)] Mager PP. **Arzneim Forsch** 25(9):1355–6, Sep 75 **(Ger)**
[MASCA-model of the biochemical-pharmacological drug research/ part 4: Structure-activity relationships and MANOVA (author's transl)] Mager PP. **Arzneim Forsch** 25(10):1475–6, Oct 75 (Eng. Abstr.) **(Ger)**
[MASCA-model of the biochemical-pharmacological drug research / part 5: Structure-activity relationships and MACOVA (author's transl)] Mager PP. **Arzneim Forsch** 25(11):1745, Nov 75 **(Ger)**
[MASCA-Model of biochemical-pharmacological drug research/part 7: Computing scheme for the MASCA-model (author's transl)] Mager PP. **Arzneim Forsch** 26(1):26–8, 1976 (Eng. Abstr.) **(Ger)**
[MASCA-model of biochemical-pharmacological drug research/Part VIII: Examples (author's transl)] Mager PP. **Arzneim Forsch** 26(2):185–7, Feb 76 (Eng. Abstr.) **(Ger)**
[Testing of a method on the merit of its validity] Toppel L. **Klin Monatsbl Augenheilkd** 165(6):963–6, Dec 74 (Eng. Abstr.) **(Ger)**
[Pratt signed rank test (author's transl)] Buck W. **Methods Inf Med** 14(4):224–30, Oct 75 **(Ger)**
[Analysis of independent categorical data on drug research by contingency table methods (author's transl)] Fink H. **Methods Inf Med** 14(4):212–7, Oct 75 (Eng. Abstr.) **(Ger)**
[Problems and sources of error in the evaluation of results of epidemiologic and sociopsychaitric studies] Vogel T. **Nervenarzt** 46(11):617–20, Nov 75 **(Ger)**
[Regression analysis of structure-activity relationships (Hansch-analysis)] Druckrey E. **Pharm Unserer Zeit** 4(5):145–50, Sep 75 **(Ger)**
[Current problems in effective-substance research. 9. Parameter-free methods for the structure-activity analysis] Gäbler E, et al. **Pharmazie** 31(1):1–14, 1976 (39 ref.) **(Ger)**
[Statistical analysis of biological test data: the possibility of rationalization of screening] Hagemann R, et al. **Pharmazie** 31(2):130–1, 1976 **(Ger)**
[Statistical data on rehabilitation measures. methods and results of a new federal statistics report (author's transl)] Christian W. **Rehabilitation (Stuttg)** 15(2):84–90, May 76 (Eng. Abstr.) **(Ger)**
[Round-table discussion: Sense and nonsense of the significance test] **Verh Dtsch Ges Inn Med** 81:1706–10, 1975 **(Ger)**
[Statistical problems in the determination of normal values and patterns of findings] Koller S. **Verh Dtsch Ges Inn Med** 81:515–28, 1975 **(Ger)**
[Possibilities for errors in the statistical analysis of clinico-pharmacological results] Lohmöller G, et al. **Verh Dtsch Ges Inn Med** 81:1648–50, 1975 **(Ger)**
[Morphology versus prognosis in renal cell carcinoma a statistical approach] Kofler K, et al. **Virchows Arch [Pathol Anat]** 368(4):347–59, 28 Nov 75 (Eng. Abstr.) **(Ger)**
[Grading of experiences in expert testimony. Presented as a method for the control of results in statistical analysis] Heinemann L, et al. **Z Aerztl Fortbild (Jena)** 70(9):499–503, 1 May 76 **(Ger)**
[Evaluation of the examination situation in the analysis of qualitative data] Enke H. **Z Gesamte Hyg** 21(5):387–93, May 75 (Eng. Abstr.) **(Ger)**
[Remarks on configuration frequency analysis] Wermuth N. **Z Klin Psychol Psychother** 24(1):5–21, 1976 (Eng. Abstr.) **(Ger)**
[The evaluation of organ weights by means of multiple regression equations (author's transl)] Zschoch H, et al. **Zentralbl Allg Pathol** 119(3):213–20, 1975 (Eng. Abstr.) **(Ger)**
[Quantitative description of the resistance of microbiological indicators by means of characteristic data (author's transl)] Spicher G, et al. **Zentralbl Bakteriol [Orig A]** 231(4):541–58, May 75 (Eng. Abstr.) **(Ger)**
[Transformation of the frequencies of distribution for a variation of classes] Taggi F. **Ann Ist Super Sanita** 10(1-2):63–72, 1974 (Eng. Abstr.) **(Ita)**
[Definition of normal values in medicine] Agnese G. **Arch Sci Med (Torino)** 132(4):139–50, Oct–Dec 75 (Eng. Abstr.) **(Ita)**
[Differential analysis] Yanai H. **Jpn J Clin Med** 34(1):197–202, 10 Jan 76 **(Jpn)**
[Multivariate analysis in computer diagnosis. (2) Discriminants analysis] Miyake A, et al. **Jpn J Med Electron** 13(6):364–9, Dec 75 **(Jpn)**
[Assessment of the exactness of a planned number of observations] Rozenberg GS. **Biol Nauki** (3):125–9, 1976 **(Rus)**
[Calculation of the confidence interval of the mean and comparing the means in biological tests] Livshits PZ. **Farmakol Toksikol** 38(4):497–502, Jul–Aug 75 **(Rus)**
[Some problems with the accuracy of laboratory methods] Kalpazanov I. **Gig Sanit** (8):72–6, Aug 75 **(Rus)**
[Simplification of the statistical computations in comparing 2 samples] Tashker ID. **Gig Sanit** (3):91–2, Mar 76 **(Rus)**
[Use of dispersion analysis for standardizing the conditions of a toxicological experiment] Ershova EA, et al. **Gig Tr Prof Zabol** (7):52–4, Jul 75 **(Rus)**
[Mathematical model for planning statistical methods of radiation therapy] Adamenko GM, et al. **Med Radiol (Mosk)** 20(9):28–31, Sep 75 **(Rus)**
[Comparison of the parts in relation to some problems of the statistical processing and planning of cytological experiments] Ginzburg EKh, et al. **Tsitologiia** 17(10):1194–9, Oct 75 (Eng. Abstr.) **(Rus)**
[Constant methods in the mathematical processing of quantitative indices] Sadovskiĭ NV. **Veterinariia** (11):42–6, Nov 75 **(Rus)**
[Evaluation of the statistical significance of a difference in general morbidity indices] Lashkov KV, et al. **Voen Med Zh** (11):17–21, Nov 75 **(Rus)**
[Selected military medical statistical studies in the Armed Forces of the USSR] Poliakov LE, et al. **Voen Med Zh** (4):90–1, Apr 76 **(Rus)**
[Statistical analysis of the results of observation (basic concepts)] Kuznetsov VK. **Vopr Revm** (2):58–64, Apr–Jun 75 **(Rus)**
[Statistical handling of observation results (rapid method of comparison of mean values)] Kuznetsov VK. **Vopr Revm** (3):57–61, Jul–Sep 75 **(Rus)**
[Use of regression analysis in the quantitative evaluation of the activity of biological preparations] Kheifets LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):96–102, Aug 75 (Eng. Abstr.) **(Rus)**
[Use of statistical methods in evaluation of the parameters of empirical equations describing the relation between energy metabolism and body mass of an animal] Umnov AA. **Zh Obshch Biol** 28(1):71–86, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Examination of the proposal on solutions using standard methodological principles and statistical standards and proposal on regulations concerning the time of keeping records] Pirc B. **Nar Zdrav** 30(11–12):302–4, Nov–Dec 74 **(Ser)**
[Experience with the application of multiple correlation-regression analysis to research in physiology] Pavlov AS. **Fiziol Zh** 21(4):544–7, Jul–Sep 75 **(Ukr)**

METHODS

Principal component analysis: an alternative to 'referee' methods in method comparison studies. Carey RN, et al. **Anal Chem** 47(11):1824–9, Sep 75
Classification and discrimination for data analysis in pharmacology. Lewi PJ, et al. **Eur J Pharmacol** 35(2):403–7, Feb 76
High power polynomial regression for the study of distance, velocity and acceleration of growth. Joossens JV, et al. **Growth** 39(4):535–51, Dec 75
[Multidimensional analysis in obstetrics] Lewin D, et al.

J Gynecol Obstet Biol Reprod (Paris) 2(6):721–35, Sep 73 (Eng. Abstr.) (Fre)
[The lipid-reducing efficiency of a clofibrate-inositolnicotinate combination in comparison with clofibrate. The wrong use of statistical methods--presented on an example from clinical research] Haase W, et al. Med Welt 26(47):2157–9, 21 Nov 75 (Ger)

STATUS DYSRAPHICUS

[Caudal vertebro-medullary dysrhaphia. Intra-sacral forms] Sampaio P, et al. Arq Neuropsiquiatr 33(1):56–60, Mar 75 (Eng. Abstr.) (Por)

COMPLICATIONS

Status dysraphicus manifestation in three syndromes: Albert's Schoenberg disease, Franceschetti-Collins-Swahli syndrome, 'Hand-Scholler's Christman Disease'. Aziz MA, et al. Bull Ophthalmol Soc Egypt 68:667–85, 1975

DIAGNOSIS

[Arteriovenous malformations of the epicranium manifested as dysraphic swelling of the cranium] Mirčevski M, et al. Med Pregl 28(11–12):517–20, 1975 (Eng. Abstr.) (Ser)

RADIOGRAPHY

[Agenesia and dysraphia of sacral and coccygeal bones (author's transl)] Grigar L. Cesk Radiol 30(3):183–91, May 76 (Eng. Abstr.) (Cze)

STEAM

Heat stress: comparison of short exposure to severe dry and wet heat in saunas. Shoenfeld Y, et al. Arch Phys Med Rehabil 57(3):126–9, Mar 76
[Observations on the flow of gases and overheated steam through porous walls] Geisler KW. Gesund Ing 96(11):318–21, Nov 75 (Ger)
[The effect of steam in the coke quenching process] Mašek V. Zentralbl Arbeitsmed 25(4):102–6, Apr 75 (Ger)

STEARATES see under **STEARIC ACIDS**

STEARIC ACIDS

Applications of chromic acid-celite columns to lipid analysis. Location of double bond position in submicro- and microgram amounts of methyl octadecenoates. Schwartz DP. Anal Biochem 74(2):320–8, Aug 76
Model membrane studies of spin-label probes. Part 1. Mixed monolayers of 12-nitroxide stearic acid and myristic acid. Cadenhead DA, et al. Biochim Biophys Acta 443(1):10–8, 4 Aug 76
Photobleaching. A novel fluorescence method for diffusion studies in lipid system. McGrath AE, et al. Biochim Biophys Acta 426(2):173–85, 5 Mar 76
12-(9-Anthroyl)stearic acid, a fluorescent probe for the ubiquinone region of the mitochondrial membrane. Chance B, et al. Eur J Biochem 54(2):521–9, Jun 75

ANALOGS & DERIVATIVES

Carcinogenicity in mice of some fatty acid methyl esters. 2. Peroral and subcutaneous application. Klaer HW, et al. Acta Pathol Microbiol Scand [A] 83(5):550–8, Sep 75

BLOOD

Turnover of plasma free stearic and oleic acids in resting and exercising human subjects. Hagenfeldt L, et al. Metabolism 24(11):1299–304, Nov 75

CHEMICAL SYNTHESIS

An improved method for synthesising omega-stearoyldextran for the detection of plaque forming cells specific for the alpha-(1 replaces 6) determinant. Svensson S, et al. J Immunol Methods 9(3–4):315–21, 1976

ISOLATION & PURIFICATION

Isolation, properties, and structural features of divalent cation ionophores derived from beef heart mitochondria. Blondin GA. Ann NY Acad Sci 264:98–111, 30 Dec 75

METABOLISM

Biosynthesis of hydroxyfatty acid polymers. Enzymatic hydration of 18-hydroxy-cis-9,10-epoxystearic acid to threo 9,10,18-trihydroxystearic acid by a particulate preparation from apple (Malus pumila). Croteau R, et al. Arch Biochem Biophys 170(1):73–81, Sep 75
Acetylcholine stimulation of selective increases in stearic and arachidonic acids in phosphatidic acid in mouse pancreas. Geison RL, et al. Biochem Biophys Res Commun 68(2):343–9, 26 Jan 76
Motion of spin-labeled fatty acids in murine macrophages. Relation to cellular phagocytic activity. Schroit AJ, et al. Biochim Biophys Acta 426(3):499–512, 19 Mar 76
Lipid metabolism of insects: chain shortening of a long-chain dietary fatty acid. Lambremont EN, et al. Comp Biochem Physiol [B] 54(1):167–9, 1976
[Effect of long-chain acyl-CoA on the omega-oxidation of monocarboxylic acid (author's transl)] Adachi H, et al. Hokkaido J Med Sci 51(1):79–80, Jan 76
Rapid production of diacylglycerols enriched in arachidonate and stearate during early brain ischemia. Aveldaño MI, et al. J Neurochem 25(6):919–20, Dec 75
Effects of acute free fatty acid mobilization on the heart. Hoak JC, et al. Recent Adv Stud Cardiac Struct Metab 1:127–35, 1972
[Study of the passage of stearic acid through blood-brain barrier and its incorporation in cerebral membranes (especially in myelin)] Gozlan-Devillierre N, et al. C R Acad Sci [D] (Paris) 282(20):1825–8, 24 May 76 (Eng. Abstr.) (Fre)
[Evaluation of the palmitic/stearic acid ratio of the amniotic fluid in relation to fetal maturity] Cargnello U, et al. Ann Ostet Ginecol Med Perinat 96(2):108–13, Mar–Apr 75 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Proceedings: Dietary elaidate (trans-octadecenoate): biochemical--phamacological implications. Egwim PO. West Afr J Pharmacol Drug Res 2(1):67P, Jun 75

TOXICITY

[Animal experiments on barium stearate toxicity] Schmidt P, et al. Z Gesamte Hyg 21(8):613–7, Aug 75 (Eng. Abstr.) (Ger)
[Animal experiment studies on the toxicity of manganese and cobalt stearates] Schmidt P, et al. Z Gesamte Hyg 21(1):13–8, Jan 75 (Eng. Abstr.) (Ger)
[Toxicology of metal stearates, polymer stabilizers (a review of the literature)] Shabalina LP, et al. Gig Tr Prof Zabol (8):40–2, Aug 75 (Rus)

STEARYL-COA DESATURASE see under **FATTY ACID DESATURASES**

STEATITIS

ENZYMOLOGY

Enzyme histochemical studies of adipose tissue in porcine yellow fat disease. Danse LH, et al. Vet Pathol 11(6):465–76, 1974

STEATORRHEA see **SPRUE**

STEATORRHEA, CHILDHOOD see **CELIAC DISEASE**

STEEL see under **ALLOYS**

STEIN-LEVENTHAL SYNDROME

Polycystic ovarian disease. Duignan NM. Br J Obstet Gynaecol 83(8):593–602, Aug 76
Editorial: Polycystic ovarian disease: diagnosis and management. Br Med J 1(6008):485–6, 28 Feb 76

BLOOD

Response of the binding capacity of plasma testosterone-estradiol-binding globulin to norethindrone, 2 mg., and mestranol, 0.1 mg., in polycystic ovarian disease. Andersen RN, et al. Am J Obstet Gynecol 125(2):166–9, 15 May 76
The Stein-Leventhal syndrome: a neuropituitary disorder. Scaglia H, et al. Fertil Steril 27(3):243–9, Mar 76
Characterization of the inappropriate gonadotropin secretion in polycystic ovary syndrome. Rebar R, et al. J Clin Invest 57(5):1320–9, May 76
[Influence of propranolol on the response of blood cortisol to lysin vasopressin and on the daily variations of blood cortisol in the Stein-Leventhal syndrome] Cugini P, et al. Boll Soc Ital Biol Sper 51(23):1844–9, 15 Dec 75 (Ita)

COMPLICATIONS

Endometrial adenocarcinoma and the polycystic ovary syndrome. Wood GP, et al. Am J Obstet Gynecol 124(2):140–2, 15 Jan 76
A testosterone-secreting, gonadotropin-responsive pure thecoma and polycystic ovarian disease. Givens JR, et al. J Clin Endocrinol Metab 41(5):845–53, Nov 75
The Stein-Leventhal syndrome and coincidental ovarian tumors. Babaknia A, et al. Obstet Gynecol 47(2):223–4, Feb 76
Stein Leventhal syndrome with unicorn uterus. Rahbarnia MH. Pahlavi Med J 7(1):140–6, Jan 76
[Gravidity and Stein-Laventhal's syndrome? (author's transl)] Cerný F. Cesk Gynekol 41(1):54, Mar 76 (Cze)
[Stein-Leventhal's syndrome as the cause of primary amenorrhoea] Hořejší J, et al. Cesk Gynekol 40(6):421–2, Jul 75 (Eng. Abstr.) (Cze)
[Acute abdomen due to polycystic ovaries in Stein-Leventhal's syndrome. (Contribution to the differential diagnosis of acute abdomen)] Wunderlich M, et al. Z Aerztl Fortbild (Jena) 69(17):918–9, 1 Sep 75 (Ger)
[An unusual virilizing association: arrhenoblastoma and Stein-Leventhal syndrome] Lodi A, et al. G Clin Med 55(11):759–71, Nov 74 (Eng. Abstr.) (Ita)
[Sclerocystic ovaries and cancer of the uterine body] Pal'chik DA. Vopr Onkol 22(3):29–32, 1976 (Eng. Abstr.) (Rus)

DIAGNOSIS

[40 years elapsed since the first presentation of Stein-Leventhal's syndrome] Presl J. Cesk Gynekol 40(6):451–63, Jul 75 (Eng. Abstr.) (Cze)

DRUG THERAPY

Regression of Polycystic Ovaries by Estrogen Therapy. Gambrell RD Jr. Obstet Gynecol 47(5):569–74, May 76

ENZYMOLOGY

Ovarian enzymatic divergence in patients with polycystic ovary syndrome excreting urinary pregnanetriolone. Maschler I, et al. Acta Endocrinol (Kbh) 82(2):366–79, Jun 76
11 beta-Hydroxylase with affinity to C-21-Deoxysteroids from ovaries of patients with polycystic ovary syndrome. Maschler I, et al. J Clin Endocrinol Metab 41(06):999–1002, Dec 75

ETIOLOGY

[Role of follicle-stimulating and luteinizing hormones in the etiopathogenesis of the Stein-Leventhal syndrome] Spasov S, et al. Akush Ginekol (Sofiia) 14(4):289–92, 1975 (Bul)
[Letter: Ovarian polycystosis. Inappropriate secretion of LH 'alone'. LH pituitary microadenoma?] Geller S, et al. Nouv Presse Med 5(23):1492, 5 Jun 76 (Fre)

FAMILIAL & GENETIC

Hyperthecosis: an inheritable form of polycystic ovarian disease. Wilroy RS Jr, et al. Birth Defects 11(4):81–5, 1975

METABOLISM

The androgenic polycystic ovary. Greenblatt RB, et al. Am J Obstet Gynecol 125(5):712–26, 1 Jul 76
Stein Leventhal syndrome. pp. 36–46. Edwards RL, et al. **In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.** (46 ref.)
Ovarian hyperthecosis in the adolescent patient. Wentz AC, et al. J Pediatr 88(3):488–93, Mar 76
Aromatization of androstenedione by induced polycystic ovaries in the rat. Adams WC, et al. J Steroid Biochem 7(4):309–10, Apr 76
Clinical findings and hormonal responses in patients with polycystic ovarian disease with normal versus elevated LH levels. Givens JR, et al. Obstet Gynecol 47(4):388–94, Apr 76
[Studies of cortisol metabolism in the Stein-Leventhal syndrome] Cugini P, et al. Boll Soc Ital Biol Sper 51(7):436–41, 15 Apr 75 (Ita)

PATHOLOGY

[So-called Stein-Leventhal syndrome - lack of dependence of clinical symptom complex upon ovarian morphology] Presl J, et al. Cesk Gynekol 40(6):423–6, Jul 75 (Eng. Abstr.) (Cze)
[Ovarian changes after early androgenization in the rat] Maillet M, et al. Bull Assoc Anat (Nancy) 59(167):929–34, Dec 75 (Fre)
[Histological studies and pathogenesis of polycystic ovaries] Hofmann P. Zentralbl Gynaekol 97(4):220–4, 1975 (Ger)

PHYSIOPATHOLOGY

Letter: The hypothalamus and reproduction. Katz M. Am J Obstet Gynecol 125(6):877–8, 15 JUl 76
Hypothalmic-pituitary relationships in the polycystic ovary syndrome serum gonadotrophin levels following injection of oestradiol benzoate. Shaw RW, et al. Br J Obstet Gynaecol 82(12):952–7, Dec 75
Proceedings: Hypothalamic-pituitary relationships in the polycystic ovary syndrome: effect of sex steroids on luteinizing hormone releasing hormone responses. Shaw RW, et al. J Endocrinol 67(2):22P–23P, Nov 75
[Origin of hyperandrogenism in Stein-Leventhal syndrome] Markovski S. Akush Ginekol (Sofiia) 15(2):137–41, 1976 (Eng. Abstr.) (Bul)
[Functional state of the adrenal cortex in Stein-Leventhal syndrome] Marovski SN. Akush Ginekol (Sofiia) 14(3):190–3, 1975 (Bul)
[Oocytes from polycystic human ovaries (author's trans)] Uebele-Kallhardt B, et al. Arch Gynaekol 218(3):189–201, 29 Jul 75 (Eng. Abstr.) (Ger)

SURGERY

Infertility following wedge resection of the ovaries. Toaff R, et al. Am J Obstet Gynecol 124(1):92–6, 1 Jan 76
Post-ovarian wedge resection adhesive disease. Buttram VC Jr, et al. Fertil Steril 26(9):874–6, Sep 75
The effects of ovarian wedge resection on circulating gonadotropin and ovarian steroid levels in patients with polycystic ovary syndrome. Judd HL, et al. J Clin Endocrinol Metab 43(2):347–55, Aug 76
Biochemical and Clinical Effect of Ovarian Wedge Resection in the Polycystic Ovary Syndrome. Vejlsted H, et al. Obstet Gynecol 47(5):575–80, May 76
[Our experience with the wedge ovarian-resection in a case of Stein-Leventhal's syndrome clinically diagnosed (author's transl)] Divila F, et al. Cesk Gynekol 40(9):656–8, Nov 75 (Eng. Abstr.) (Cze)
[So-called Stein-Leventhal syndrome - lack of dependence of clinical symptom complex upon ovarian morphology]

Presl J, et al. **Cesk Gynekol** 40(6):423–6, Jul 75 (Eng. Abstr.) **(Cze)**

[Management of female patients with the Stein–Leventhal syndrome] Smid I, et al. **Zentralbl Gynaekol** 97(25):1588–93, 1975 (Eng. Abstr.) **(Ger)**

[Cuneiform ovarian resection] Nava y Sánchez RM, et al. **Ginecol Obstet Mex** 39(231):55–72, Jan 76 (Eng. Abstr.) **(Spa)**

STELAZINE see **TRIFLUOPERAZINE**

STELLATE GANGLION

Stellate ganglion block. Carron H, et al. **Anesth Analg (Cleve)** 54(5):567–70, Sep–Oct 75

Stellate ganglion blocks for idiopathic sensorineural hearing loss. Haug O, et al. **Arch Otolaryngol** 102(1):5–8, Jan 76

Letter: Stellate ganglion blocks for idiopathic sensorineural hearing loss. Simmons FB. **Arch Otolaryngol** 102(6):384–5, Jun 76

Letter: Stellate ganglion blocks. Snyder JM. **Arch Otolaryngol** 102(8):515–6, Aug 76

An unusual complication after stellate ganglion block by the paratracheal approach: a case report. Forrest JB. **Can Anaesth Soc J** 23(4):435–9, Jul 76

Treatment of capsulitis of the shoulder. Williams NE, et al. **Rheumatol Rehabil** 14(4):236, Nov 75

[Pulmonary embolism, an indication for stelatum blockade] Loers FJ. **Anaesthesiol Intensivmed Prax** 11(1):77–80, Oct 75 **(Ger)**

[Stellate ganglion block under EEG control in the treatment of complicated cervical migraine (author's transl)] Ullrich J. **J Neurol** 209(4):301–6, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Clinical study of dihydroergotamine (DHE–45). I. Effect in the treatment of vascular headache. 2. Effect on stellate ganglion block] Miyazaki T, et al. **Jpn J Anesthesiol** 25(1):65–70, Jan 76 (Eng. Abstr.) **(Jpn)**

[Effects of stellate ganglion block on facial palsy] Mochizuki K, et al. **Jpn J Anesthesiol** 24(13):1372–8, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[A rare complication of stellate ganglion block—high spinal anesthesia caused by inadvertent subarachnoid injection] Ono H, et al. **Jpn J Anesthesiol** 24(4):386–90, Apr 75 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Cytochemical localization of cholinesterase activity at the giant synapse of the squid. Brzin M, et al. **Histochemistry** 43(4):305–11, 9 Jun 75

PHYSIOLOGY

Effect of vagus nerve stimulation upon excitability of the canine ventricle. Role of sympathetic–parasympathetic interactions. Kolman BS, et al. **Am J Cardiol** 37(7):1041–5, Jun 76

Hemodynamic effects of stellate ganglion stimulation in conscious dogs. pp. 151–61. Liard JF, et al. **In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.**

[The growth of axons in the periphery after a decrease in the quantity of nerve cells in sympathetic ganglia] Borisov MM, et al. **Neirofiziologiia** 8(1):84–90, 1976 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Ventricular monophasic action potential changes associated with neurogenic T wave abnormalities and isoproterenol administration in dogs. Kuo CS, et al. **Am J Cardiol** 38(2):170–7, Aug 76

SURGERY

[Considerations on stellate ganglion blockage (author's transl)] Meuser W. **Laryngol Rhinol Otol (Stuttg)** 54(7):587–91, Jul 75 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructure of Lewy bodies in the stellate ganglion. Forno LS, et al. **Acta Neuropathol (Berl)** 34(3):183–97, 30 Mar 76

STEM CELLS see **HEMATOPOIETIC STEM CELLS**

STEPHANURUS DENTATUS INFECTION see under **NEMATODE INFECTIONS**

STEREOGNOSIS

Conditioning–effect of vibratory stimulation on dimension discrimination of objects held between human tooth arches. Morimoto T, et al. **Arch Oral Biol** 21(3):219–20, 1976

Spatial representation by blind and sighted children. Millar S. **J Exp Child Psychol** 21(3):460–79, Jun 76

Children's voluntary exploration and preference for tactually presented nonsense shapes differing in complexity. Wohlwill JF. **J Exp Child Psychol** 20(1):159–67, Aug 75

Correlation of lingual motor performance and oral form identification by young adults. Fitch JL, et al. **Percept Mot Skills** 41(2):672, Oct 75

Perceptual reactance and melanic density. Mahoney J, et al. **Percept Mot Skills** 42(3):783–8, Jun 76

Oral and manual recognition of forms. Part II. Test results based on the subjects. Landt H. **Sven Tandlak Tidskr** 69(3):69–77, 1976

[The possibility to test stereognosis in the juvenile mouth] Bencze J. **Stomatol DDR** 25(10):697–700, Oct 75 (Eng. Abstr.) **(Ger)**

[Interocclusal perception during mastication. Review of literature] Owall B. **Sven Tandlak Tidskr** 69(1):7–13, 1976 (66 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Astereognosis. Tactile discrimination after localized hemispheric lesions in man. Roland E. **Arch Neurol** 33(8):543–50, AUG 76

Focal increase of cerebral blood flow during stereognostic testing in man. Roland E, et al. **Arch Neurol** 33(8):551–8, AUG 76

Forelimb performance by squirrel monkeys (Saimiri sciureus) before and after dorsal column lesions. Beck C. **J Comp Physiol Psychol** 90(4):353–62, Apr 76

Oral stereognostic ability among tongue thrusters with interdental lisp, tongue thrusters without interdental lisp and normal children. Colletti EA, et al. **Percept Mot Skills** 42(1):259–68, Feb 76

Successive versus simultaneous presentation of forms in oral stereognostic testing. Yairi E, et al. **Percept Mot Skills** 41(1):233–4, Aug 75

STEREOISOMERS

Chirality of (+)-octoclothepin, a stereospecific neuroleptic agent. Petcher TJ, et al. **Experientia** 31(12):1389–90, 15 Dec 75

Chromatographic resolution of enantiomers selective review. Lochmüller CH, et al. **J Chromatogr** 113(3):283–302, 22 Oct 75 (61 ref.)

Experiments on the origin of molecular chirality by parity non–conservation during beta–decay. Bonner WA. **J Mol Evol** 4(1):23–39, 28 Nov 74

Possible resolution of racemic mixtures by bistability in 'bioids', open systems which can exist in several steady states. Decker P. **J Mol Evol** 2(2–3):137–43, 1973

Present status of enantiomeric analysis by gas chromatography. Gil–av E. **J Mol Evol** 6(2):131–44, 29 Oct 75

The possibility of spontaneous resolution of enantiomers on a catalyst surface. Harrison LG. **J Mol Evol** 4(1):99–101, 28 Nov 74

Can circularly polarized light be used to obtain chiral compounds of high optical purity? Kagan HB, et al. **J Mol Evol** 4(1):41–8, 28 Nov 74

Some remarks on parity violating effects of intramolecular interactions. Rein DW. **J Mol Evol** 4(1):15–22, 28 Nov 74

Disproportionation of enantiomers by precipitation. Thiemann W. **J Mol Evol** 4(1):85–97, 28 Nov 74

Amplification processes for small primary differences in the properties of enantiomers. Wagener K. **J Mol Evol** 4(1):77–84, 28 Nov 74

Stereoselectivity of beta irradiation of D,L–tryptophan in aqueous solution. Darge W, et al. **Nature** 261(5560):522–4, 10 Jun 76

Optical resolution by chromatography at low temperature. Jonas I, et al. **Nature** 258(5536):597, 18 Dec 75

Search for selectivity in interactions of chiral solvated electrons. Ulrich MM, et al. **Nature** 258(5534):418–9, 4 Dec 75

Asymmetric adsorption by quartz: a model for the prebiotic origin of optical activity. Bonner WA, et al. **Orig Life** 6(3):367–76, Jul 75

Nonlinear mathematical models for the origin of asymmetry in biological molecules. Hochstim AR. **Orig Life** 6(3):317–66, Jul 75

The origin of optical asymmetry on earth. Ulbricht TL. **Orig Life** 6(3):303–15, Jul 75

Asymmetry and enzyme action. Cornforth JW. **Science** 193(4248):121–5, 9 Jul 76

Chirality in chemistry. Prelog V. **Science** 193(4247):17–24, 2 Jul 76

Discriminating interactions between chiral molecules. Craig DP, et al. **Top Curr Chem** 0(63):1–48, 1976

[Drugs inactive in dextro–form become active in man when transformed to levo–form] **Minerva Med** 66(68 Suppl):31–2, Oct 75 **(Ita)**

[Significance of chiral purity of biomolecules for self–reproduction of organisms] Morozov LL, et al. **Biofizika** 21(2):238–47, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

STEREOTAXIC TECHNICS

see related

BRAIN MAPPING

A stereotaxic method based on proportional distribution of subcortical structures in the cat's brain. Kucinski L. **Act Nerv Super (Praha)** 18(1–2):69–71, Jun 76

Proceedings: Stereotaxic reconstruction of the aqueduct of Sylvius. Backlund EO. **Acta Neurochir (Wien)** 31(3–4):259, 1975

Calculation of the position of a side–protruding electrode tip in stereotactic brain operations using a stereotactic apparatus with polar coordinates. Birg W, et al. **Acta Neurochir (Wien)** 32(1–2):83–7, 1975

Proceedings: Stereotaxic brain tumour biopsy—5 years' experience. Edner G. **Acta Neurochir (Wien)** 31(3–4):261, 1975

Proceedings: Positive cisternography in stereotaxic brain tumour surgery. Norén G. **Acta Neurochir (Wien)** 31(3–4):258, 1975

Influence of absorbed dose and field size on the geometry of the radiation–surgical brain lesion. Dahlin H, et al. **Acta Radiol [Ther] (Stockh)** 14(2):139–44, Arp 75

Stereotaxic computed tomography. Bergström M, et al. **Am J Roentgenol** 127(1):167–70, Jul 76

The bony tentorium of the cat: stereotaxic coordinates. Lucas EA. **Anat Rec** 184(1):91–6, Jan 76

Effects of stereotactic lesions of the dentate nucleus of the cerebellum in man. Fraioli B, et al. **Appl Neurophysiol** 38(2):81–90, 1975

Effects of stereotactic cingulumotomy on a sequential motor task in man. Levin HS, et al. **Appl Neurophysiol** 38(2):98–103, 1975

Tele–Autotomogram and Application of the Pneumoencephalographic Chair in Stereotactic Operations. Okawara S. **Appl Neurophysiol** 38(2):91–7, 1975

Contemporary methodology of stereotactic neurosurgery. Ramamurthi B, et al. **Appl Neurophysiol** 38(3):216–24, 1975

Method of determining topometric values of some structures of the human spinal cord. Zlatoš J, et al. **Appl Neurophysiol** 38(2):104–9, 1975

Modified method for recording cortical and subcortical visually evoked potentials in the conscious rabbit with chronically implanted electrodes. Bock PR, et al. **Arzneim Forsch** 25(11):1746–55, Nov 75

Editorial: Stereotaxic neurosurgery for cerebral palsy. **Br Med J** 3(5985):665, 20 Sep 75

Relationship between growth of brain and skull of Macaca mulatta and its importance for the stereotaxic technique. Wagman IH, et al. **Brain Behav Evol** 12(1–2):116–34, 1975

The effects on speech and language of stereotactical stimulation in thalamus and corpus callosum. Schaltenbrand G. **Brain Lang** 2(1):70–7, Jan 75

A computer system for stereotaxic neurosurgery. Hawrylyshyn P, et al. **Comput Biol Med** 6(2):87–97, Apr 76

Transformation of Horsley–Clarke coordinate for electrode implantation experiments in stereotaxic surgery. Neroth CC, et al. **Comput Biomed Res** 8(3):244–53, Jun 75

Stereotaxic neurosurgery in the management of cerebral palsy. Gornall P, et al. **Dev Med Child Neurol** 17(3):279–86, Jun 75

The split–brain neonate: a surgical method for corpus callosum section in newborn kittens. Sechzer JA, et al. **Dev Psychobiol** 9(4):377–88, JUL 76

Proceedings: Preliminary data on the comparative value of EEG and stereotaxic EEG in epilepsy. Roman I, et al. **Electroencephalogr Clin Neurophysiol** 39(5):535, Nov 75

Stereotaxic implantation of electrodes in the human brain: a method for long–term study and treatment. Heath RG, et al. **IEEE Trans Biomed Eng** 23(4):296–304, Jul 76

Neurological concepts of pain management in head and neck cancer. pp. 536–40. Tasker RR. **In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.**

Stereotaxic angiography in cerebral tumors. pp. 251–61. Scarabin JM, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

The third dimension in cerebral angiography. A stereotatic study on cortical localization and hemispheric asymmetry in living man. pp. 236–50. Szikla G, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

The role of the stereotaxic radiographic exploration in neurosurgical interventions. pp. 262–73. Talairach J, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

Ventricular landmarks for thalamic stereotaxy in Macaca. Percheron G. **J Med Primatol** 4(4):217–44, 1975

Stereotactic extralemniscal myelotomy. Schvarcz JR. **J Neurol Neurosurg Psychiatry** 39(1):53–7, Jan 76

Critical remarks on the stereotaxic treatment of epilepsy. Nadvornik P, et al. **J Neurosurg Sci** 18(2):133–5, Apr–Jun 74

A new method for the electromagnetic optimization of stereotaxically implanted electrodes in the brain: preliminary results. Ruiz AG, et al. **Med Prog Technol** 3(4):181–6, 30 Apr 76

Long term results of stereotaxic surgery for infantile dystonia and dyskinesia. Gros C, et al. **Neurochirurgia (Stuttg)** 19(4):171–8, Jul 76

Simple determination of the foramen in trigeminus coagulation. Martins LF, et al. **Neurochirurgia (Stuttg)** 18(5):163–6, Sep 75

Proceedings: Stereotaxis biopsy for pulmonary surgery. Leveen HH, et al. **NY State J Med** 75(13):2365–6, Nov 75

Improved rapid method to check electrode localizations in the brain. Pieri L, et al. **Physiol Behav** 15(1):113–5, Jul 75

Technique for vestibular neurotomy in the rat. Potegal M, et al. **Physiol Behav** 14(2):217–21, Feb 75

[Our experiences with an open form of stereotaxic technic] Kožić M, et al. **Lijec Vjesn** 96(5):294–5, Mar 74 (Eng. Abstr.) **(Cro)**

[Possibilities of stereotactic treatment of infantile cerebral palsy– review of personal experiences] Vladyka V. **Cesk Neurol Neurochir** 35(6):281–8, 1972 (Eng. Abstr.) **(Cze)**

[Permanence of indications of stereotaxic surgery in parkinsonian tremors and various persistent abnormal movements] Guiot G, et al. **Ann Med Interne (Paris)** 126(4):295–6, Apr 75 **(Fre)**

[Value of the use of a stereotaxic framework in the selective thermocoagulation of Gasser's ganglion] Lazorthes Y, et al. **Neurochirurgie** 22(1):77–83, 1976 (Eng. Abstr.) **(Fre)**

[A modified method for the determination of locations of chronically implanted electrodes in rabbit brains (author's transl)] Ciplea AG, et al. **Arzneim Forsch** 25(10):1552–7, Oct 75 (Eng. Abstr.) **(Ger)**

[X-ray studies of the brain as a basis for stereotaxy (author's transl)] Gerdes FU, et al. **J Neurol** 210(3):183–90, 22 Sep 75 (Eng. Abstr.) **(Ger)**

[Indications for stereotaxic neurosurgery of patients with multiple sclerosis (author's transl)] Hauptvogel H, et al. **J Neurol** 210(4):239–51, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[A new, contralateral sterotaxic approach to subcortical structures] Nittner K. **Zentralbl Neurochir** 35(2):113–9, 1974 (Eng. Abstr.) **(Ger)**

[Remission of 'mental anorexia' following stereotaxic thalamolysis (previously resistant to other therapies) (author's transl)] D'Andrea F, et al.
Riv Patol Nerv Ment 95(5):579–90, Oct 74 (Eng. Abstr.) **(Ita)**

[Indications for stereotaxic thalamotomy. Part 1: Extrapyramidal symptoms (author's transl)] Narabayashi H. **Neurol Surg (Tokyo)** 4(4):329–35, Apr 76 **(Jpn)**

[Stereotactic surgery—surgical technique (author's transl)] Sugita K, et al. **Neurol Surg (Tokyo)** 4(3):219–28, Mar 76 **(Jpn)**

[Topography of the optic thalamus, caudate and lenticular nuclei of the human brain in frontal section (an anatomical-statistical study applied to stereotaxis)] Grachev KV, et al. **Arkh Anat Gistol Embriol** 70(2):81–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Visualization of the 3-dimensional dosage distributions in an irradiated object] Kvasov VA, et al.
Med Radiol (Mosk) 20(9):62–6, Sep 75 **(Rus)**

[Stereotaxic longitudinal hippocampotomy and its prospects in the treatment of epilepsy] Shramka M, et al.
Vopr Neirokhir (4):37–41, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Stereotaxic biopsy of cerebral subcortical structures in parkinsonism] Smirnov AV. **Vopr Neirokhir** (2):44–8, MAR–APR 75 (Eng. Abstr.) **(Rus)**

[Use of stereotaxic method in combination with classic craniotomy in treatment of focal epilepsy] Zemskaia AG, et al. **Vopr Neirokhir** (2):33–8, MAR–APR 75 (Eng. Abstr.) **(Rus)**

[Spinal cord stereotaxy for the treatment of pain] Nádvorník P, et al. **Cesk Neurol Neurochir** 35(6):298–301, 1972 (Eng. Abstr.) **(Slo)**

[Stereotactic operations in infantile cerebral palsy with refernce to the nucleus dentatus] Nádvorník P, et al.
Cesk Neurol Neurochir 35(6):298–93, 1972 (Eng. Abstr.) **(Slo)**

[Sterotactic approach to sexual deviation treatment (author's transl)] Nádvorník P, et al. **Cesk Psychiatr** 71(4):230–3, Aug 75 (Eng. Abstr.) **(Slo)**

[Identification and lesion of prelemniscal radiation in the surgical treatment of tremor] Velasco F, et al.
Arch Invest Med (Mex) 7(1):29–42, 1976 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Early and late histologic effects of stereotactic neurosurgery. Ryden SE, et al. **Arch Pathol Lab® Med** 100(2):87–90, Feb 76

Intention myoclonus of multiple sclerosis, its patho-anatomical basis and its stereotactic relief. Hassler R, et al. **Neurochirurgia (Stuttg)** 18(3):90–106, May 75

INSTRUMENTATION

Proceedings: A simplified procedure and a new appliance for stereotactic brain operations. Schmidt K.
Acta Neurochir (Wien) 31(3–4):304, 1975

A new stereotaxic instrument. Lohman AH, et al.
Brain Res 102(1):197–200, 30 Jan 76

A stereotaxic headholder for visual neurophysiology. Wässle H. **Exp Brain Res** 23(2):151–6, 14 Aug 75

Inexpensive stereotaxic sighting microscope. Berner CN, et al. **Physiol Behav** 14(2):235–6, Feb 75

Chemistor: a reusable telestimulation device for direct chemical stimulation of the nonhuman primate brain in freely moving animals. Cools AR, et al. **Physiol Behav** 14(2):229–33, Feb 75

METHODS

Stereotactic exploration of brain tumours by ultrasound. Backlund EO, et al. **Acta Radiol [Diagn] (Stockh)** 16(2):117–22, Mar 75

Technique for chronic electrode or cannula implantation in decorticate animals. Wilson JR, et al. **Physiol Behav** 14(6):875–7, Jun 75

UTILIZATION

Survey of stereotactic and functional neurosurgery in the United States and Canada. Gildenberg PL.
Appl Neurophysiol 38(1):31–7, 1975

VETERINARY

Proceedings: A stereotaxic device and head clamp for use in large animal surgery. Calvert DT, et al.
J Physiol (Lond) 251(1):1P–2P, Sep 75

STEREOTYPED BEHAVIOR see under **BEHAVIOR**

STERIGMATOCYSTIN see under **XANTHENES**

STERILITY

RESOLVE; a support group for infertile couples. Menning BE. **Am J Nurs** 76(2):258–9, Feb 76

Sterility and lethality in crosses involving two translocation heterozygotes of the Germay cockroach, Blatella germanica (L.). Ross MH, et al. **Experientia** 32(4):445–7, 15 Apr 76

Artificial insemination using donor semen: a review of 171 cases. Dixon RE, et al. **Fertil Steril** 27(2):130–4, Feb 76

The infertile couple. pp. 104–21. Menning BE.
In: Burgess AW, Lazare A, ed. Community mental health: target populations. Englewood Cliffs, N.J., Prentice-Hall, 1976. WM 30 B955c 1976.

Interdisciplinary teamwork. Wachter MD. **J Med Ethics** 2(2):52–7, Jun 76

[Letter: Relative pH of the cervical mucus and sperm in sterility] Sarocchi M, et al. **Nouv Presse Med** 4(21):1595–6, 24 May 75 **(Fre)**

[Meiosis in sterile hybrids of cultivated-garden strawberries and in garden strawberries] Berezenko NP. **Tsitol Genet** 10(1):49–52, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[A drama about childlessness] Rennerstedt B.
Lakartidningen 73(22):2079–83, 26 May 76 **(Swe)**

COMPLICATIONS

Psychological reaction to infertility. Wiehe VR.
Psychol Rep 38(3 pt. 1):863–6, Jun 76

DIAGNOSIS

The fractional post-coital test performed in a square capillary tube. Kroeks MV, et al. **Acta Eur Fertil** 6(4):371–5, Dec 75

The interpretation and significance of the fractional postcoital test. Tredway DR. **Am J Obstet Gynecol** 124(4):352–5, 15 Feb 76

Postcoital test: physiologic basis, technique, and interpretation. Moghissi KS. **Fertil Steril** 27(2):117–29, Feb 76

Infertility diagnosed by laparoscopy: review of 324 cases. Bellina JH. **South Med J** 68(12):1485–8, Dec 75

[Diagnosis of pregnancy before the menstrual period is delayed. Interest of the determination of plasma chorionic gonadotropin (HCG) in fertility disorders] Chartier M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(7):927–37, 1975 (Eng. Abstr.) **(Fre)**

[Proceedings: Demonstration of spermatozoa ascension in the female genital tract as a routine method in sterility diagnosis] Koch UJ, et al. **Arch Gynaekol** 219(1–4):610, 18 Nov 75 **(Ger)**

[Sperm agglutination, sperm immobilization and sperm immunofluorescence test in married couples with unexplained infertility (author's transl)] Heite HJ, et al.
Dermatologica 152(1):8–15, 1976 **(Ger)**

DRUG THERAPY

Sterility in tsetse flies (Glossina morsitans Westwood) caused by loss of symbionts. Nogge G. **Experientia** 32(8):995–6, 15 Aug 76

ETIOLOGY

Evaluation of the infertile couple. Balin H.
Am Fam Physician 13(6):96–104, Jun 76

Letter: Promiscuity and infertility. Wilkinson M.
Br Med J 4(5989):164, 18 Oct 75

Psychophysiologic infertility: an overview. Mozley PD.
Clin Obstet Gynecol 19(2):407–17, Jun 76

Subfertility and varicocele. I. Venogram demonstration of anastomosis sites in subfertile men. Etriby AA, et al.
Fertil Steril 26(10):1013–7, Oct 75

Mycoplasmas in humans: significance of Ureaplasma urealyticum. Kundsin RB. **Health Lab Sci** 13(2):144–51, Apr 76

'Genital dyscrinism' as a cause of subfertility in mice of the CBA strain. Kališnik M, et al. **Int J Fertil** 20(3):161–9, 1975

Proceedings: Mycoplasma, doxycycline, and human infertility. Blades M, et al. **J Clin Pathol** 28(9):756, Sep 75

[A possible cause of conjugal sterility. Damage of nematospermia by ABO antibodies present in the vagina] Bettocchi S, et al. **Minerva Ginecol** 27(7):545–52, Jul 75 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Association of pericentric inversion of chromosome 9 and reproductive failure in ten unrelated families. Boué J, et al. **Humangenetik** 30(3):217–24, 20 Sep 75

[The influence of the age of men from sterile families on several clinical parameters of the ejaculate] Atanasov A, et al. **Akush Ginekol (Sofiia)** 13(3):199–203, 1974 (Eng. Abstr.) **(Bul)**

[Genetic examination of patients in consultation for sterility or miscarrigae] Freund MM, et al. **J Genet Hum** 23 SUPPL:112–3, Oct 75 **(Fre)**

IMMUNOLOGY

[Immunological sterilities] De Almedia. **Acta Eur Fertil** 6(3):307–17, Sep 75 **(Eng, Fre)**

Presence of antisperm antibodies in fertile and infertile persons. Gupta KG, et al. **Acta Obstet Gynecol Scand** 54(5):407–10, 1975

Infertility and embryonic mortality in female rabbits immunized with different sperm preparations. Kummerfeld HL, et al. **Biol Reprod** 14(3):300–5, Apr 76

Cellular immunity to lymphocyte antigens in human infertility. Tait BD, et al. **Fertil Steril** 27(4):389–96, Apr 76

Immunologic studies of male infertility. Wall JR, et al.
Fertil Steril 26(10):1035–41, Oct 75

Anti-spermatozoal antibodies in infertile couples. Yamauchi S, et al. **Hawaii Med J** 35(6):166–70, Jun 76

Immunological aspects of infertility. pp. 404–8.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.

Sperm antibodies in men from infertile couples. Analysis of sperm agglutinins and immunofluorescent antibodies in 657 men. Husted S. **Int J Fertil** 20(2):113–21, 1975

Sperm antibodies in serum and seminal plasma. Husted S, et al. **Int J Fertil** 20(2):97–105, 1975

Case report: sterility due to sperm autoagglutination. Makler A. **Int J Fertil** (2):130–2, 1976

Immunological factors and post coital test in unexplained infertility. Soffer Y, et al. **Int J Fertil** (2):89–95, 1976

OCCURRENCE

Effects of paternal and maternal inbreeding on mortality and sterility in the Fukuoka population. Yamaguchi M, et al. **Jpn J Hum Genet** 20(2):123–30, Sep 75

The epidemiology of infertility. **WHO Chron** 30(6):229–33, Jun 76

The epidemiology of infertility. Report of a WHO scientific group. **WHO Tech Rep Ser** 582:1–37, 1975

PREVENTION & CONTROL

Prevention of fertility disorders by detection and treatment of varicocele at school and college age. Steeno O, et al.
Andrologia 8(1):47–53, 1976

THERAPY

Artificial insemination. Gilbert S. **Am J Nurs** 76(2):259–60, Feb 76

The management of infertility. Hutcheson RB.
Practitioner 216(1295):507–12, May 76

[Treatment of childless marriages in its demographic and social-political significance] Schaad HG, et al.
Arch Gynaekol 219(1–4):35–6, 18 Nov 75 **(Ger)**

VETERINARY

The barriers to interspecific hybridization in domestic and laboratory mammals. II. Hybrid sterility. McGovern PT.
Br Vet J 132(1):68–75, Jan–Feb 76 (52 ref.)

Infertility of cattle caused by mycoplasmas. Tourtellotte ME, et al. **Health Lab Sci** 13(2):152–8, Apr 76

The 'herd approach' to bovine reproductive disorders. Part I: The diagnosis and management of infectious infertility. Retief GP, et al. **J S Afr Vet Assoc** 47(1):19–22, Mar 76

[Fertility problems caused by infectious agents pigs in the Netherlands(author's transl)] Akkermans JP.
Tijdschr Diergeneeskd 100(15):809–20, 1 Aug 75 (Eng. Abstr.) **(Dut)**

[Fertility disturbances on cattle farms (author's transl)] de Kruif A. **Tijdschr Diergeneeskd** 100(23):1251–8, 1 Dec 75 (Eng. Abstr.) **(Dut)**

[Genetic aspects of animal infertility] Minchev P.
Veterinariia (4):104–6, Apr 75 **(Rus)**

[Fertility and fertility problems in some beef herds in Sweden (author's transl)] Einarsson S, et al. **Nord Vet Med** 27(9):411–28, Sep 75 (Eng. Abstr.) **(Swe)**

STERILITY, FEMALE

Pregnancy after jejuno-ileostomy because of obesity. Olow B, et al. **Acta Chir Scand** 142(1):82–3, 1976

Infertility following wedge resection of the ovarics. Toaff R, et al. **Am J Obstet Gynecol** 124(1):92–6, 1 Jan 76

Non-mendelian female sterility in Drosophila melanogaster: quantitative variations in the efficiency of inducer and reactive strains. Bucheton A, et al. **Heredity (Lond)** 36(3):305–14, Jun 76

Correspondence: Child sterilization. Gardner RF.
J Med Ethics 2(2):99, Jun 76

Viable pregnancy after prolonged periods of secondary infertility. Glietenberg H, et al. **S Afr Med J** 50(2):44–8, 10 Jan 76

[Pregnancy in 296 successfully treated sterility patients during 1966 to 1973] Schmidt-Elmendorff H, et al.
Arch Gynaekol 219(1–4):295, 18 Nov 75 **(Ger)**

[The psychogenic sterility of the female] Stauber M. **ZFA** 52(8):413–8, 20 Mar 76 **(Ger)**

[Specialized service to women suffering from sterility] Radionchenko AA, et al. **Akush Ginekol (Mosk)** (2):61–2, Feb 76 **(Rus)**

BLOOD

The concentration of testosterone in serial samples of peripheral venous plasma from infertile women. Tyler JP, et al. **Acta Eur Fertil** 6(4):355–60, Dec 75

Infertility in women with apparently ovulatory cycles. I. Comparison of their plasma sex steroid and gonadotrophin profiles with those in the normal cycle. Dodson KS, et al. **Br J Obstet Gynaecol** 82(8):615–24, Aug 75

[Changes in the elimination of plasmatic FSH and LH after the application of 17 alpha-hydroxyprogesterone--alone and in combination with oestrogen--in anovulating women (author's transl)] Divila F, et al. **Cesk Gynekol** 40(9):659–62, Nov 75 (Eng. Abstr.) **(Cze)**

[Significance of FSH and LH plasma levels in female endocrine sterility] Curchod A, et al. **Gynaekol Rundsch** 15(2):150–60, 1975 **(Ger)**

[Ovulation and FSH:LH ratio in sterile women] Tateno M, et al. **Clin Endocrinol (Tokyo)** 24(1):43–7, Jan 76 **(Jpn)**

CHEMICALLY INDUCED

Letter: High doses of ascorbic acid. Tan SG, et al. **Br J Dermatol** 93(6):731, Dec 75

Fertility patterns after discontinuation of use of oral contraceptives. Janerich DT, et al. **Lancet** 1(7968):1051–3, 15 May 76

Post-pill infertility. Pinkerton GD, et al. **Med J Aust** 1(8):223–4, 21 Feb 76

Failure of intrahypothalamic implants of an estrogen antagonist, ethamoxytriphetol (MER-25), to block neonatal androgen-sterilization. Hayashi S. **Proc Soc Exp Biol Med** 152(3):389–92, Jul 76

Induction of temporary sterility in female hamsters by an intraperitoneal silastic-PVP-PGF2alpha tube. Lau IF, et al. **Prostaglandins** 9(6):893–900, Jun 75

A proposed mechanism for trimethylphosphate-induced sterility. Harbison RD, et al. **Toxicol Appl Pharmacol** 35(3):481–90, Mar 76

COMPLICATIONS

Acne vulgaris in South Australia: II. Acne in females. Turner TW. **Australas J Dermatol** 16(3):133–5, Dec 75

[Poland's syndrome in a sterile woman] Stoll C, et al. **J Genet Hum** 23(2):163–9, Jun 75 **(Fre)**

DIAGNOSIS

[Celioscopy in the exploration of unexplained sterility] Cittadini E. **Acta Eur Fertil** 6(3):223–45, Sep 75 **(Eng, Ita)**

[The contribution of pathological anatomy to the diagnosis and prognosis of different forms of tubal sterility] De Brux J. **Acta Eur Fertil** 6(3):185–95, Sep 75 **(Eng, Fre)**

Evaluation of the infertile couple. Balin H. **Am Fam Physician** 13(6):96–104, Jun 76

Diagnostic laparoscopy: a prognostic aid in the surgical management of infertility. Israel R, et al. **Am J Obstet Gynecol** 125(7):969–75, 1 AUG 76

A comparison of hysterosalpingography and endoscopy in evaluation of tubal function in infertile women. Gabos P. **Fertil Steril** 27(3):238–42, Mar 76

Direct endometrial cell preparation as a diagnostic aid in female fertility. Laszlo J. **J Genet Hum** 23 SUPPL:118, Oct 75

Comparison of endometrial biopsy with plasma progesterone estimation for the assessment of luteal function in infertile women. Radwanska E, et al. **Mater Med Pol** 8(1):18–20, Jan-Mar 76

Laparoscopy and the infertility evaluation. Goldenberg RL, et al. **Obstet Gynecol** 47(4):410–14, Apr 76

Laparoscopy in the investigation of infertility. McDougall AN. **Scott Med J** 20(5):209–16, SEP 76

[Infertility in a woman with pyelonephritis and nephritis] Georgieva M. **Akush Ginekol (Sofiia)** 14(5):359–67, 1975 (Eng. Abstr.) **(Bul)**

[Fertility prognosis in women with amenorrhoea (author's transl)] Zeníšek L, et al. **Cesk Gynekol** 40(7):508–9, Aug 75 **(Cze)**

[Clinical screening of sterility cases for the possible presence of luteal phase defect (author's transl)] Abrahamsson L, et al. **Wien Klin Wochenschr** 87(23):773–9, 12 Dec 75 **(Ger)**

[Unusual advantage of the hydropertubation] Efthimiadis J. **Zentralbl Gynaekol** 97(21):1314–6, 1975 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of diagnostic methods in the study of sterility due to tubal factors] Vignali M, et al. **Ann Ostet Ginecol Med Perinat** 96(3):179–88, May-Jun 75 (Eng. Abstr.) **(Ita)**

[Possibilities of external electrohysterography in determination of the functional status of the uterus in sterility] Matsuev AI. **Akush Ginekol (Mosk)** (12):57–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Importance of the study of cervical endometriosis in cases of sterility] González Gutiérrez JT, et al. **Ginecol Obstet Mex** 39(234):291–5, Apr 76 (Eng. Abstr.) **(Spa)**

[Clinical correlation of hysterosalpingography and the Rubin test in pregnancy] Herrera González JG, et al. **Ginecol Obstet Mex** 39(234):263–6, Apr 76 (Eng. Abstr.) **(Spa)**

[Ovarian findings in endocrine infertility (author's transl)] Mas J, et al. **Reproduccion** 2(1):23–30, Jan-Mar 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The effect of thyroid extract on luteal phase deficiency. Naficy H, et al. **Acta Med Iran** 18(1–2):55–60, 1975

The induction of ovulation. Evans J, et al. **Am J Obstet Gynecol** 125(3):321–7, 1 Jun 76

Pregnancy following 29 cycles of clomiphene citrate therapy: a case report. March CM, et al. **Am J Obstet Gynecol** 124(2):209–10, 15 Jan 76

Effect of clomiphene citrate on serum prolactin in infertile women with ovarian dysfunction. Seki K, et al. **Am J Obstet Gynecol** 124(2):125–8, 15 Jan 76

Long-acting luteinizing homone-releasing hormone (LH-RH) analogs in the treatment of female infertility. Forsbach G, et al. **Arch Invest Med (Mex)** 7(1):43–8, 1976

Infertility in women with apparently ovulatory cycles. II. The effects of clomiphene treatment on the profiles of gonadotrophin and sex steroid hormones in peripheral plasma. Dodson KS, et al. **Br J Obstet Gynaecol** 82(8):625–33, Aug 75

Plasma oestradiol and progesterone estimation for the monitoring of induction of ovulation with clomiphene and chorionic gonadotrophin. Swyer GI, et al. **Br J Obstet Gynaecol** 82(10):794–804, Oct 75

Endocrine and metabolic diseases: Treatment of infertility and menopausal symptoms. Klopper A. **Br Med J** 2(6032):414–6, 14 Aug 76

Bromocriptine treatment of female infertility: report of 13 pregnancies. Thorner MO, et al. **Br Med J** 4(5998):694–7, 20 Dec 75

Letter: CB-154. Coulam CB, et al. **Fertil Steril** 27(3):345–6, Mar 76

Luteinizing hormone-releasing hormone for induction of follicular maturation and ovulation in women with infertility and amenorrhea. Henderson SR, et al. **Fertil Steril** 27(6):621–7, Jun 76

Methyltestosterone treatment of infertility associated with pelvic endometriosis Katayama KP, et al. **Fertil Steril** 27(1):83–6, Jan 76

Sequential use of clomiphene citrate and human menopausal gonadotropin in ovulation induction. Kistner RW. **Fertil Steril** 27(1):72–82, Jan 76

Clomiphene citrate-induced simulatneous intra- and extrauterine pregnancy: case report. Paldi E, et al. **Fertil Steril** 26(11):1140, Nov 75

High doses of estrogens do not interfere with the ovulation-inducing effect of clomiphene citrate. Taubert HD, et al. **Fertil Steril** 27(4):375–82, Apr 76

Monitoring treatment with human gonadotrophins or the synthetic decapeptide LH-releasing hormone. pp. 753–75. Nillius SJ, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Clinical evaluation of infertility associated with irregular menstrual cycles treated with an indigenous preparation. pp. 61–5. Jhaveri CL, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

The use of long-acting LH-RH analogs in the treatment of female infertility. pp. 106–9. Zárate A, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Induction of ovulation with synthetic luteinizing hormone-releasing hormone in suspected hypothalamic infertility. pp. 251–3. Zárate A, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Therapeutic use of luteinizing hormone-releasing hormone in the human female. pp. 93–112. Nillius SJ.
In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.

Human menopausal gonadotropin therapy in infertile women. pp. 223–4. Cohen MR.
In: Rosemberg E, ed. Gonadotropin therapy in female infertility. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.266 1972.

Treatment regimens with HMG and HCG in infertile patients. pp. 109–15. Turksoy RN.
In: Rosemberg E, ed. Gonadotropin therapy in female infertility. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.266 1972.

Case study: baby making and the public interest. **Inquiry** 6(4):13–4, Aug 76

Assessment of the therapeutic effect of epimestrol and epimestrol associated with clomiphene in female sterility. Villalobos H, et al. **Int J Fertil** 20(1):41–3, 1975

Proceedings: Promotion of fertility in women: induction of ovulation. Nillius SJ. **J Endocrinol** 66(2):14P-15P, Aug 75

Editorial: Stimulating the ovaries. **Lancet** 1(7971):1223–4, 5 Jun 76

Premenstrual tension and functional infertility. Aetiology and treatment. Benedek-Jaszmann LJ, et al. **Lancet** 1(7969):1095–8, 22 May 76

Letter: Bromocriptine regimen for restoration of ovulatory function. Bennink HJ, et al. **Lancet** 1(7970):1177, 29 May 76

Ovarian response to exogenous gonadotropins in women with elevated serum prolactin. Archer DF, et al. **Obstet Gynecol** 48(2):155–7, AUG 76

Selection of patients for clomiphene citrate therapy. Fayez JA. **Obstet Gynecol** 47(6):671–6, Jun 76

Clinical aspects of defective luteal phase and its treatment with cyclofenil. Sengupta BS. **West Indian Med J** 24(4):182–95, Dec 75

Defective luteal phase--measurement and evaluation of the ovarian hormone before and during cyclofenil (bis-P-acetoxphenyl) cyclo-hexylidenemethane (Compound 6066) treatment. Sengupta BS. **West Indian Med J** 25(2):107–20, Jun 76

[The treatment with cyclofenil in female patients not responding to clomifen (author's transl)] Horský J. **Cesk Gynekol** 40(7):544–6, Aug 75 (Eng. Abstr.) **(Cze)**

[Modern treatment of anovulatory cycle in the surgery of the health community gynaecologist (author's transl)] Uzel R. **Cesk Gynekol** 40(8):570–1, Sep 75 **(Cze)**

[Recent progress in the hormonal treatment of sterility] Fanard A. **Brux Med** 55(7):401–14, Jul 75 **(Fre)**

[Mechanism of action of cyclofenil in women] Cismigiu F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):253–4, Mar 74 **(Fre)**

[Outcome and quality of pregnancies obtained by ovulation inducers in infertile women: apropos of 229 pregnancies in 91 women, of whom 42 were treated for spontaneous abortion and 49 treated for ovarian sterility] Henry-Suchet J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):653–72, Sep 73 (Eng. Abstr.) **(Fre)**

[Functional exploration of amenorrhea and induction of ovulation followed by pregnancy] Jayle MF, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):937–42, Sep 74 (Eng. Abstr.) **(Fre)**

[Experience with the treatment of tubal sterility] Manidakis G, et al. **Med Welt** 26(33–34):1466–8, 22 Aug 75 **(Ger)**

[Comparative study of gonadotropins and LH-releasing hormone in the clinical practice] Groot Wassink K. **Z Aerzti Fortbild (Jena)** 69(20):1067–9, 15 Oct 75 **(Ger)**

[Clomiphene--its use from stimulation test and for treatment of functional sterility] Göretzlehner G, et al. **Zentralbl Gynaekol** 97(23):1450–7, 1975 (Eng. Abstr.) **(Ger)**

[Treatment of anovulatory sterility using clomiphen] Lisse K. **Zentralbl Gynaekol** 97(11):661–4, 1975 (Eng. Abstr.) **(Ger)**

[Hyperprolactinemic amenorrhea and sterility treated with bromocriptine] Polishuk WZ, et al. **Harefuah** 89(11):500–3, 1 Dec 75 (Eng. Abstr.) **(Heb)**

[Birth of an anencephalic fetus following ovulation induction] Ujvári E, et al. **Orv Hetil** 117(7):418–9, 15 Feb 76 **(Hun)**

[Incidence of abortion during treatment with ovulation inducers] pp. 219–24. Guastella G, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)

[Analysis of pregnancies occurring after treatment with bis-p-acetoxyphenyl cyclohexylidene methane] pp. 447–50. Quartararo P, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)

[Fertility of women with menstruation disorders following clomiphene treatment] Baron J, et al. **Endokrynol Pol** 26(5):537–45, Sep-Oct 75 (Eng. Abstr.) **(Pol)**

[Treatment of endocrine forms of sterility with synthetic progestins] Demidova TV. **Sov Med** (6):35–40, Jun 75 (Eng. Abstr.) **(Rus)**

[Therapeutic evaluation of cyclofenil as an ovulation inducer] Molina ME, et al. **Ginecol Obstet Mex** 38(229):345–7, Nov 75 (Eng. Abstr.) **(Spa)**

[Experiences with gonadotropins in the induction of ovulation in the sterile female] Ruiz Velasco V, et al. **Ginecol Obstet Mex** 39(234):267–75, Apr 76 (Eng. Abstr.) **(Spa)**

[Recent advances in the hormonal treatment of sterility (author's transl)] Fanard A, et al. **Reproduccion** 2(3–4):207–25, Jul-Dec 75 (Eng. Abstr.) **(Spa)**

[Treatment of the anovulatory sterility with LH-RH (author's transl)] Figueroa Casas PR, et al. **Reproduccion** 2(2):141–6, Apr-Jun 75 (Eng. Abstr.) **(Spa)**

[DMSO therapy in the treatment of secondary sterility (inflammatory tubal obstruction)] Venegas H. **Rev Chil Obstet Ginecol** 39(1):20–2, 1974 **(Spa)**

[Induction of ovulation: Comparative study on the response of the ovary to the treatment with human gonadotropins, synthetic hypothalamic gonadotropin-releasing hormone (LH-RH) and nonhormonal agents (clomiphene, cyclophenyl, etc). Therapeutic studies on the treatment of anovulatory sterility] Zañartu J, et al. **Rev Chil Obstet Ginecol** 38(5):240–51, 1973 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Pelvic adhesions and sterility. Gordji M. **Acta Eur Fertil** 6(3):279–85, Sep 75

Endometriosis and anovulation: a coexisting problem in the infertile female. Soules MR, et al. **Am J Obstet Gynecol** 125(3):412–7, 1 Jun 76

Induced abortion and secondary infertility. Trichopoulos D, et al. **Br J Obstet Gynaecol** 83(8):645–50, Aug 76

Editorial: Promiscuity and infertility. **Br Med J** 3(5982):501–2, 30 Aug 75

Sterilization of female rats by neonatal placement of estradiol

micropellets in anterior hypothalamus. Hayashi S. **Endocrinol Jpn** 23(1):55–60, Feb 76

Post-ovarian wedge resection adhesive disease. Buttram VC Jr, et al. **Fertil Steril** 26(9):874–6, Sep 75

The diagnosis of cervical factors in sterility. pp. 32–6. Achard A.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Mycoplasma infections and infertility. pp. 327–35. Friberg J, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

The role of wedge resection of the ovary as a cause for mechanical sterility. Weinstein D, et al. **Surg Gynecol Obstet** 141(3):417–8, Sep 75

[Mycoplasmas and fertility] Koskimies A. **Duodecim** 91(23):1459–61, 1975 **(Fin)**

[Sterility and fertility] Much H. **Hippokrates** 47(1):88–90, Feb 76 **(Ger)**

[Secondary sterility following cesarean section (author's transl)] Husstedt W. **Med Klin** 71(20):861–4, 14 May 76 (Eng. Abstr.) **(Ger)**

[Analysis of a series of 3,000 celioscopic examinations for sterility] pp. 503–10. Messana V, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)

[Etiologia of the infertility in the department of ginecology of the school of medicine, University of Sao Paulo (author's transl)] Nakamura MS, et al. **Reproduccion** 2(1):39–44, Jan–Mar 75 (Eng. Abstr.) **(Por)**

[Spermolysis as a possible cause of marital sterility] Akunts KB. **Akush Ginekol (Mosk)** (2):63–4, Feb 76 **(Rus)**

[Important facts in the study of incipient endometriosis and sterility] González-Gutiérrez JT, et al. **Gac Med Mex** 110(3):199–204, Sep 75 **(Spa)**

[Female infertility and hirsutism (author's transl)] Arce B, et al. **Reproduccion** 1(4):353–9, Oct–Dec 74 (Eng. Abstr.) **(Spa)**

[Chagas' disease and infertility] Foxley R. **Rev Chil Obstet Ginecol** 39(3):83–6, 1974 **(Spa)**

FAMILIAL & GENETIC

Non-mendelian female sterility in Drosophila melanogaster: hereditary transmission of 1 factor. Picard G. **Genetics** 83(1):107–23, May 76

Evidence of prolactin cell deficiency in connection with low reproductive efficiency of female 'torpid' mice. Dung HC. **J Reprod Fertil** 45(1):91–9, Oct 75

[A partially inheritable aging influence on a non-Mendelian female sterility in Drosophila melanogaster] Bucheton A, et al. **C R Acad Sci [D] (Paris)** 281(14):1035–8, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Geographic distribution of 3 types of strains involved in non-Mendelian sterility phenomenon in Drosophila melanogaster] Picard G, et al. **C R Acad Sci [D] (Paris)** 282(20):1813–6, 24 May 76 (Eng. Abstr.) **(Fre)**

[Cytogenetic studies in infertility] Körner H. **Zentralbl Gynaekol** 97(8):467–74, 1975 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antibodies to spermatozoa. VI. Comparative studies of sperm-agglutinating activity in groups of infertile and fertile women. Shulman S, et al. **Am J Obstet Gynecol** 123(2):139–44, 15 Sep 75

Determination of sperm-antibodies in sera of sterile women by affinity-chromatography (affinity-chromatography of sperm-antibodies). Gradl T, et al. **Andrologia** 7(2):99–104, 1975

A comparison of methods of screening for sperm antibodies in the serum of women with otherwise unexplained infertility. Petrunia DM, et al. **Fertil Steril** 27(6):655–61, Jun 76

Quantitative estimation of immobilizing antibody of sperm immobilizing antibody in the sera of women with sterility of unknown etiology: the 50% sperm immobilization unit (SI50). pp. 10–5. Isojima S, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Antibodies in the sera of sterile women responsible for sperm immobilization. pp. 16–9. Koyama K, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Role, characterization and determination of humoral sperm antibodies and cell-mediated immunity to sperm antigens in female sterility and infertility. pp. 20–4. Mettler L.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Immunological barriers to fertility. pp. 3–9. Shulman S.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974. (16 ref.)

Antifertility effects from immunisations with intact, subunits and fragments of HCG. pp. 249–74. Stevens VC.
In: Edwards RG, Johnson MH, ed. Physiological effects of immunity against reproductive hormones. London, Cambridge Univ Press, 1976. W3 C162G v.3 1974.

Smooth-muscle antibodies in infertility. Wilson C, et al. **Lancet** 2(7947):1238–9, 20 Dec 75

[An immunofluorescent study of circulating sperm antibodies in humans (author's transl)] Maucher OM, et al. **Arch Dermatol Res** 254(2):121–33, 10 Dec 75 (Eng. Abstr.) **(Ger)**

[IV. Immunology in gynecology and obstetrics. Pannel discussion] **Arch Gynaekol** 219(1–4):505–13, 18 Nov 75 **(Ger)**

[Can a spermatozoa-induced HL-A-sensitization be the cause of female sterility?] Stolp W, et al. **Arch Gynaekol** 219(1–4):515–6, 18 Nov 75 **(Ger)**

[Studies on the immunological factor in the sterility of married couples (author's transl)] Krzemiński A. **Ann Univ Mariae Curie Sklodowska [Med]** 30:165–73, 1975 (Eng. Abstr.) **(Pol)**

[Immunological aspects of marital sterility] Brokowski J. **Ginekol Pol** 47(2):217–23, Feb 76 (57 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Effect of 'restricted ovulator' gene on uptake of yolk-precursor protein. Schjeide OA, et al. **Cell Tissue Res** 166(1):109–16, 6 Feb 76

Inadequate cervical mucus—a cause of 'idiopathic' infertility. Sher G, et al. **Fertil Steril** 27(8):886–91, Aug 76

Pattern of urinary and plasma gonadotropins in patients with anovulatory infertility. pp. 45–9. Rosemberg E.
In: Rosemberg E, ed. Gonadotropin therapy in female infertility. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.266 1972.

[Failure of progesterone to inhibit the 3H-estradiol uptake by the hypothalamus during the postnatal critical period for the induction of anovulatory sterility (early-estrogen syndrome) (author's transl)] Presl J, et al. **Cesk Gynekol** 40(10):751–4, Dec 75 (Eng. Abstr.) **(Cze)**

[Certain metabolic processes in endocrine sterility] Benediktov II, et al. **Akush Ginekol (Mosk)** (2):39–42, Feb 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Tetracycline-resistant T-mycoplasmas (Ureaplasma urealyticum) from patients with a history of reproductive failure. Spaepen MS, et al. **Antimicrob Agents Chemother** 9(6):1012–8, Jun 76

OCCURRENCE

Infertility in the Highlands. Campbell GR, et al. **Papua New Guinea Med J** 17(4):347–53, Dec 74

PATHOLOGY

Ultrastructural aspects of infertility. More IAR, et al. **Cytobios** 12(45):7–11, 1975

Endometrial biopsy in the cycle of conception. Rosenfeld DL, et al. **Fertil Steril** 26(11):1088–93, Nov 75

Scanning electron microscopy of human fertility and infertility. pp. 52–60. Hafez ES.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Microbiopsy of the fallopian tube as a method for clinical investigation of tubal function in infertility. Brosens IA, et al. **Int J Fertil** 20(1):55–60, 1975

The pathology of infertility. Craig JM. **Pathol Annu** 10:299–328, 1975 (72 ref.)

[The dating of endometrium (author's transl)] Jirásek JE, et al. **Cesk Gynekol** 41(1):57–9, Mar 76 **(Cze)**

PHYSIOPATHOLOGY

Plasma progesterone and oestradiol estimations in the diagnosis and treatment of luteal insufficiency in menstruating infertile women. Radwanska E, et al. **Acta Eur Fertil** 7(1):39–47, Mar 76

The luteal phase defect. Jones GS. **Fertil Steril** 27(4):351–6, Apr 76

The significance of dysfunctional endometrium in sterility. pp. 47–51. Hachiya S, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

The value of the basal temperature chart in the management of infertility. Akin A, et al. **Int J Fertil** 20(2):122–4, 1975

Role of the hypothalamic-pituitary-ovarian axis in puerperal infertility. Andreassen B, et al. **J Clin Endocrinol Metab** 42(6):1114–22, Jun 76

[Characteristics of hormonal interrelations in certain forms of endocrine sterility] Demidova TV, et al. **Akush Ginekol (Mosk)** (6):38–42, Jun 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Roentgenocinematographic observations of reflux during hysterosalpingography] Georgiev G, et al. **Akush Ginekol (Sofiia)** 13(3):195–8, 1974 (Eng. Abstr.) **(Bul)**

[Hysterosalpingography in the diagnosis of female sterility] Aleksovski D, et al. **God Zb Med Fak Skopje** 17:331–6, 1971 **(Ser)**

SURGERY

[Surgical treatment of tubal sterility] Cohen J. **Acta Eur Fertil** 6(3):209–22, Sep 75 **(Eng, Fre)**

Surgical treatment of female infertility: value of paradoxical oophorectomy. Scott JS, et al. **Br Med J** 1(6010):631–4, 13Mar 76

Tubal plastic surgery at the Tel Hashomer Hospital: a critical study. David A, et al. **Fertil Steril** 27(5):511–6, May 76

Endometriosis and infertility: an aggressive surgical approach. pp. 247–57. Weed JC, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

[Prospects for reconstructive surgery of oviducts and surgical treatment of female sterility using plastics] Higier J. **Polim Med** 5(2):129–32, 1975 (Eng. Abstr.) **(Pol)**

[Cuneiform ovarian resection] Nava y Sánchez RM, et al. **Ginecol Obstet Mex** 39(231):55–72, Jan 76 (Eng. Abstr.) **(Spa)**

THERAPY

[Obstetric prognosis in cases of conjugal sterility evaluation and management of 224 couples] **Acta Eur Fertil** 6(1):1–26, Mar 75 **(Eng, Ita)**

The challenge of change. Lay CL. **Fertil Steril** 27(3):225–8, Mar 76

Treatment of tubal occlusion by hydrotubation. Thambu JA. **Med J Malaysia** 30(1):66–70, Sep 75

In vitro fertilisation of human oöcytes. Steptoe PC. **S Afr Med J** 49(48):2016–8, 12 Nov 75

[Pregnancy and labor in successfully treated sterility patients] Wernicke K, et al. **Arch Gynaekol** 219(1–4):295–6, 18 Nov 75 **(Ger)**

[Donor cervical mucous in the treatment of the persistent cervical factor in infertility (author's transl)] Henning HD, et al. **Geburtshilfe Frauenheilkd** 35(11):834–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Results of treatments for sterility] Israel HJ. **Zentralbl Gynaekol** 97(16):1012–5, 1975 **(Ger)**

[Treatment of female sterility in anovulatory cycles by the method of electric stimulation of the uterine cervix] Mishina ZN. **Akush Ginekol (Mosk)** (9):66, Sep 75 **(Rus)**

[Programmed apparatus for Kymographic hydrotubation] Tymoshenko LV, et al. **Pediatr Akush Ginekol** (6):45–8, Nov–Dec 75 **(Ukr)**

URINE

A semi-automated method for the determination of oestrogens in early morning urine specimens from normal and infertile women. Beastall GH, et al. **Clin Chim Acta** 70(3):343–8, 2 Aug 76

Proceedings: Gas chromatography of urinary 17-ketosteroids in female infertility due to androgenic hyperactivity. Gould S, et al. **Isr J Med Sci** 11(11):1219–20, Nov 75

VETERINARY

Low fertility in daughters of bulls with 1/29 translocation. Refsdal AO. **Acta Vet Scand** 17(2):190–5, 1976

Hormone studies on ewes grazing an oestrogenic (Yarloop clover) pasture during the reproductive cycle. Obst JM, et al. **Aust J Biol Sci** 28(3):279–90, Jun 75

Studies on ovine infertility in agricultural regions of western Australia: plasma progesterone levels of fertile and infertile ewes. Smith JF. **Aust J Biol Sci** 28(1):85–8, Feb 75

The duration of the oestrous cycle of ewes affected with clover disease. Adams NR, et al. **Aust Vet J** 51(6):306–9, Jun 75

Letter: Infertility in horses. Butterfield RM. **Aust Vet J** 51(8):404, Aug 75

Letter: Specific bacterial pathogens their importance and control. Francis J. **Aust Vet J** 51(5):283–4, May 75

Letter: Streptococcus zooepidemicus and infertility in horses. Hughes KL. **Aust Vet J** 51(5):281–2, May 75

The relation of infection to infertility in the mare and stallion. Hughes JP, et al. **Equine Vet J** 7(3):155–9, Jul 75

[Non-infectious infertility in the mare with special reference to diagnosis and treatment (author's transl)] Rossdale PD. **Folia Vet Lat** 4(3):441–54, Jul–Sep 74 **(Eng, Ita)**

Pathological changes in the tissue of infertile ewes with clover disease. Adams NR. **J Comp Pathol** 86(1):29–35, Jan 76

Some clinical observations on the effect of an implant of oestradiol benzoate in brood mares. Azzie MA. **J Reprod Fertil [Suppl]** (23):303–6, Oct 75

Chromosome abnormalities as a cause of infertility in mares. Chandley AC, et al. **J Reprod Fertil [Suppl]** (23):377–83, Oct 75

The frequency of infertility in thoroughbred mares. Laing JA, et al. **J Reprod Fertil [Suppl]** (23):307–10, Oct 75

Endometritis, a common cause of infertility in mares. Varadin M. **J Reprod Fertil [Suppl]** (23):353–6, Oct 75

The future use of cytogenetics in the manipulation of domestic animal populations. Bruere AN. **NZ Vet J** 23(12):295–8, Dec 75

Cervical mucus changes in infertile ewes previously exposed to oestrogenic subterranean clover. Adams NR. **Res Vet Sci** 21(1):59–63, Jul 76

Endometritis in the cow as a cause of infertility. Archbald LF. **Vet Med Small Anim Clin** 71(7):961–2, Jul 76

Diagnosis of reproductive failure through gross examination of porcine reproductive tracts. Sprecher DJ, et al. **Vet Med Small Anim Clin** 70(12):1465–74, Dec 75

Sterility denotations and a grading system for bovine reproducton. Studer E. **Vet Med Small Anim Clin** 70(10):1201–6, Oct 75

Fluprostenol in mares: clinical trials for the treatment of infertility. Cooper MJ. **Vet Rec** 98(26):523–5, 26 Jun 76

Correspondence: Copper deficiency and infertility. Pickering JP. **Vet Rec** 97(15):295, 11 Oct 75

Bacterial infection in cows associated with abortion, endometritis and infertility. Gelev I. **Zentralbl Veterinaermed [B]** 22(5):372–80, Jul 75

[Method for computing the milk losses from sterility in cows] Iliev I, et al. **Vet Med Nauki** 13(4):28–35, 1976 (Eng. Abstr.) **(Bul)**

[Quantitative changes in the uterine microflora during the puerperal period and conception in cows] Radoslavov V. **Vet Med Nauki** 12(7):49–54, 1975 (Eng. Abstr.) **(Bul)**

[Clinical findings on the course of the puerperal period in cattle from stock with fertility problems] Bostedt H, et al. **Berl Munch Tieraerztl Wochenschr** 89(2):24–8, 15 Jan 76 (Eng. Abstr.) **(Ger)**

[Pregnancy and fertility testing in swine by means of plasma progesterone determination] Meyer JN, et al. **Dtsch Tieraerztl Wochenschr** 82(12):473–5, 5 Dec 75 **(Ger)**

[Veterinary sterility diagnosis, treatment and prevention] Roselius R. **Tieraerztl Prax** 3(3):289–92, 1975 **(Ger)**

[Histochemical studies of the ovaries of sterile cows] Avakaiants BM. **Veterinariia** (7):86–8, Jul 76 **(Rus)**

[Prevention of sterility in cows] Bairamov ZN, et al. **Veterinariia** (6):81–3, Jun 75 **(Rus)**

[Prevention of sterility in cows Uzbekistan] Beliakov SP, et al. **Veterinariia** (2):84–7, Feb 75 **(Rus)**

[Comparative evaluation of hormonal preparations in infertility in cows] Cheremisinov GA, et al. **Veterinariia** (4):76–8, Apr 75 **(Rus)**

[Experience in the prevention of sterility in cows] Eiubov IZ, et al. **Veterinariia** (2):68–70, Feb 76 **(Rus)**

[Prevention of sterility in cows] Kashigin GI. **Veterinariia** (3):81–2, Mar 76 **(Rus)**

[Rectal method of diagnosis of sterility in swine] Moroz IG. **Veterinariia** (5):97–9, May 75 **(Rus)**

[Progesterone and gravohormone for stimulating sexual function in cows] Nezhdanova AG. **Veterinariia** (10):72–4, Oct 75 **(Rus)**

[Prevention of sterility in cows in specialized farms of the Belgorod district] Ovcharenko PF, et al. **Veterinariia** (12):77–9, Dec 75 **(Rus)**

[Morphological and histological changes in the ovaries of sterile cows] Petrosian SL, et al. **Veterinariia** (6):76–9, Jun 76 **(Rus)**

[Therapy and prevention of gynecologic diseases of cows] Samokhin VT, et al. **Veterinariia** (7):68–71, Jul 75 **(Rus)**

[Clinical histological changes in the genitals of infertile cows] Selunskaia EI. **Veterinariia** (4):69–74, Apr 75 **(Rus)**

[Recovery of sexual function in cows in persistent yellowing of the body of the ovary] Shipilov VS, et al. **Veterinariia** (12):79–84, Dec 75 **(Rus)**

STERILITY, MALE

Levels of luteinizing hormone in semen of fertile and infertile men and possible significance of luteinizing hormone in sperm metabolism. Sheth AR, et al. **Fertil Steril** 27(8):933–6, Aug 76

General considerations on male infertility. pp. ix–xiv. Conti C.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Male fertility. Tresidder GC. **Proc R Soc Med** 68(5):291–8, May 75 (43 ref.)

[Protection of the physician and donor in heterologous insemination in sterile marriages (author's transl)] Suk K, et al. **Cesk Gynekol** 40(10):709–10, Dec 75 **(Cze)**

[Ultrastructural study of anomalies of the acrosome in spermatozoa with irregular heads] Bisson JP, et al. **Bull Assoc Anat (Nancy)** 59(165):345–56, Jun 75 (Eng. Abstr.) **(Fre)**

[Results of artificial indemination with husband's sperm in cases of male subfertility] Janczewski Z. **Ginekol Pol** 46(8):877–80, Aug 75 (Eng. Abstr.) **(Pol)**

BLOOD

Increased serum FSH levels correlated with low and high sperm counts in male infertile patients. Sina D, et al. **Andrologia** 7(1):31–7, 1975

Elevated plasma testosterone and gonadotropin levels in infertile males with hyperthyroidism. Clyde HR, et al. **Fertil Steril** 27(6):662–6, Jun 76

LH and FSH serum levels before and after synthetic LH-releasing hormone in men with infertility. pp. 207–28. Wagner H, et al.
In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.

Human prolactin in male infertility. pp. 157–61. L'Hermite M, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

17-Hydroxyandrogens and oestrogens in the plasma of normal and infertile men. Walker MS, et al. **J Reprod Fertil** 45(1):155–8, Oct 75

CHEMICALLY INDUCED

Proceedings: Serum and pituitary gonadotrophin levels after selective destruction of the interstitium by ethylene dimethanesulphonate in alpha-chlorhydrin-sterilized male rats. Morris ID, et al. **J Endocrinol** 67(2):21P–22P, Nov 75

Temporary sterility produced in male mice by 5-thio-D-glucose. Zysk JR, et al. **J Reprod Fertil** 45(1):69–72, Oct 75

Reproductive tract lesions in male mice exposed prenatally to diethylstilbestrol. McLachlan JA, et al. **Science** 190(4218):991–2, 5 Dec 75

A proposed mechanism for trimethylphosphate-induced sterility. Harbison RD, et al. **Toxicol Appl Pharmacol** 35(3):481–90, Mar 76

[Potency, fertility and sex hormones in young male epileptics] Christiansen P, et al. **Ugeskr Laeger** 137(41):2402–5, 6 Oct 75 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

[Possible andrological factor as cause of spontaneous abortion] Schoysman R. **Verh K Acad Geneeskd Belg** 37(2):33–41, 1975 **(Dut)**

CONGENITAL

[Successful homologous artificial insemination in a case of partial retrograde ejaculation of congenital cause] Cheviakoff S, et al. **Rev Chil Obstet Ginecol** 39(5):211–5, 1974 **(Spa)**

DIAGNOSIS

Evaluation of the infertile couple. Balin H. **Am Fam Physician** 13(6):96–104, Jun 76

Evaluation of male infertility by dynamic tests. pp 561–84. Lunenfeld B, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Diagnostic aspects of male infertility. pp. 337–52. de Kretser DM, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

A study of meiotic preparation of human spermatocytes and their relationship to infertility. Mehan DJ, et al. **J Urol** 115(3):284–7, Mar 76

Potential fertility in incomplete male pseudohermaphroditism type 2. Cantú JM, et al. **Rev Invest Clin** 28(02):177–82, Apr–Jun 76

Evaluation of male infertility. One-stage procedure with frozen section technique. Kelâmi A. **Urology** 7(5):524, May 76

[Hydrogen ion concentration in the sperm of men from sterile families] Nalbanski B, et al. **Akush Ginekol (Sofiia)** 15(1):44–9, 1976 (Eng. Abstr.) **(Bul)**

[To what extent can male fertility be determined from spermiogram values] Lindner E, et al. **Cesk Gynekol** 40(10):713–4, Dec 75 **(Cze)**

[Letter: The LH-RH test in sterile men. Therapeutic conclusions (45 cases)] Hermabessière J, et al. **Nouv Presse Med** 4(43):3070, 13 Dec 75 **(Fre)**

[Determination of fructose in the sperm plasma. Significance, value in differential diagnosis and practical indications] Schill WB. **Med Klin** 71(24):1031–41, 11 Jun 76 **(Ger)**

[Disorders of reproduction and cohabitation in the man] Kaden R. **Z Hautkr** 50(21):907–8, 1Nov 75 **(Ger)**

[Clinical aspects of infertility and subfertility] Nikolowski W. **Z Hautkr** 50(21):889–92, 1Nov 75 **(Ger)**

[Questions of the andrological laboratory diagnosis and their importance for the physician] Schirren C. **Z Hautkr** 50(21):893–9, 1Nov 75 **(Ger)**

[Possibilities in the diagnosis of male fertility disorders] Molnár J. **Zentralbl Gynaekol** 97(8):475–80, 1975 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Obstetric prognosis in cases of conjugal sterility evaluation and management of 224 couples] **Acta Eur Fertil** 6(1):1–26, Mar 75 **(Eng, Ita)**

[Androgenic treatment with depot mesterolone in dyspermia] De Aloysio D, et al. **Acta Eur Fertil** 6(2):125–51, Jun 75 **(Eng, Ita)**

Proceedings: Hormonal therapy with steroid-filled silastic rubber implants. Marberger H. **Br J Urol** 48(2):153–4, Apr 76

The treatment of spermatogenic arrest with arginine. Jungling ML, et al. **Fertil Steril** 27(3):282–3, Mar 76

Diagnostic and therapeutic use of LH-RH in the infertile man. pp. 73–91. Schwarzstein L.
In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976.

Effect of mesterolone on the spermatogenesis of infertile patients. pp. 479–95. Giarola A.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Clinical aspects of treatment of male infertility with gonadotropins: testicular response of some men given hCG with and without pergonal. pp. 545–65. Sherins RJ.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Improvement of fertility and semen quality in men treated with a combination of anticongestive and antibiotic drugs. Homonnai TZ, et al. **Int J Fertil** 20(1):45–9, 1975

Improvement of sperm motility in patients with asthenozoospermia by kallikrein treatment. Schill WB. **Int J Fertil** 20(1):61–3, 1975

Clomiphene citrate in the management of male infertility. Paulson DF, et al. **J Urol** 115(1):73–6, Jan 76

Treating the subfertile male patient: improvement semen characteristics after low dose androgen therapy. Urry RL, et al. **J Urol** 116(1):54–5, Jul 76

Recent advances in the treatment of male sub-fertility. Bye P. **Postgrad Med J** 51(594):215–20, Apr 75

[Male hypogonadotropic hypogonadism. Success of treatment of sterility with HMG plus HCG] Gayral MN, et al. **Ann Endocrinol (Paris)** 36(4):211–2, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[49 cases of azoospermia and oligospermia. Treatment with human menopausal gonadotropin] Cardon JP. **J Gynecol Obstet Biol Reprod (Paris)** 2(2):177–87, Mar 73 (Eng. Abstr.) **(Fre)**

[Study on the effectiveness of pharmacotherapy in male subfertility] Reich P, et al. **Dermatol Monatsschr** 161(1):38–42, Jan 75 (Eng. Abstr.) **(Ger)**

[Clinical experiences with clomiphene treatment of andrological patients] Schreiber G, et al. **Dermatol Monatsschr** 161(8):673–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Initial results in the treatment of male fertility disorders with kallikrein: asthenozoospermia] Schill WB. **Hautarzt** 26(8):430–2, Aug 75 (Eng. Abstr.) **(Ger)**

[Treatment methods in male infertility] Barták V. **Z Hautkr** 49(20):889–91, 15 Oct 74 (Eng. Abstr.) **(Ger)**

[Experimence with mesterolone in male fertility disorders] Guillon G. **Z Hautkr** 50(7):293–7, 1 Apr 75 **(Ger)**

[Studies on the treatment of male infertility with kallikrein] Hofmann N, et al. **Z Hautkr** 50(24):1003–12, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Treatment of male sterility with clomiphene] Sas M, et al. **Orv Hetil** 117(15):896–900, 11 Apr 76 **(Hun)**

[Effects of treatment with 1 alpha-methyl-5 alpha-androstan-17 beta-ol-3-one on the dynamics of diencephalo-hypophysio-gonadal axis and on spermatogenesis in some forms of male infertility] Franchi F, et al. **Folia Endocrinol (Roma)** 27(5):480–505, Oct 74 (Eng. Abstr.) **(Ita)**

[Treatment of male sterility with clomiphene citrate. Obstetrical analysis of results] Klimek R. **Ginekol Pol** 46(10):1083–6, Oct 75 (Eng. Abstr.) **(Pol)**

[Treatment of male infertility] Wolny HL, et al. **Wiad Lek** 28(23):1921–5, 1 Dec 75 (17 ref.) (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Isolation of a factor from normal human semen that accelerates dissolution of abnormally liquefying semen. Syner FN, et al. **Fertil Steril** 26(11):1064–9, Nov 75

[The cytochemical localization of ATPase activity in the spermatozoa from fertile and infertile human ejaculate by electron microscope (author's transl)] Koshino Y. **Jpn J Urol** 67(6):402–16, Jun 76 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

The role of varicocele in male fertility. Fernando N, et al. **Andrologia** 8(1):1–9, 1976

A case of bilateral cystadenoma of the epididymides presenting as infertility. Crisp JC, et al. **Br J Urol** 47(6):682, Dec 75

Seminal prostaglandins in infertile men. Collier JG, et al. **Fertil Steril** 26(9):868–71, Sep 75

Cryptorchidism in the subfertile male. Lipshultz LI. **Fertil Steril** 27(6):609–20, Jun 76

Infertility with hyperprolactinaemia in a male displaying radiologic signs of pituitary microadenoma. pp. 153–6. Fossati P, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Mycoplasma infections and infertility. pp. 327–35. Friberg J, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Urological aspects on the treatment of infertile men. pp. 497–515. Pomerol J, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

The surgical correction of retrograde ejaculation. Abrahams JI, et al. **J Urol** 114(6):888–90, Dec 75

Sexual function following high retroperitoneal lymphadenectomy. Kedia KR, et al. **J Urol** 114(2):237–9, Aug 75

Aspermia and recovery of spermatogenesis in cancer patients following incidental gonadal irradiation during treatment: a progress report. Hahn EW, et al. **Radiology** 119(1):223–5, Apr 76

[Determination of ejaculate properties by the method of Hynie] Ananiev T, et al. **Akush Ginekol (Sofiia)** 14(1):51–6, 1975 (Eng. Abstr.) **(Bul)**

[354 men with impaired fertility] Aafjes JH, et al. **Ned Tijdschr Geneeskd** 120(20):865–73, 15 May 76 (Eng. Abstr.) **(Dut)**

[Mycoplasmas and fertility] Koskimies A. **Duodecim** 91(23):1459–61, 1975 **(Fin)**

[Role of varicocele in male sterility] Warlin JF, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(8):1103–8, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Varicocele and male sterility] Pontonnier F, et al. **J Urol Nephrol (Paris)** 81(7–8):604–6, Jul–Aug 75 **(Fre)**

[Cytological, etiological and prognostic aspects of male infertility. Attempt at classification apropos of 1,303 cases]

Alexandre C. **Nouv Presse Med** 5(27):1678–82, 3–10 Jul 76 (Eng. Abstr.) **(Fre)**

[Varicocele as a cause of disorder in fertility (author's transl)] Rost A, et al. **Urologe [A]** 14(6):282–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Importance of anamnesis in andrological problems] Kaden R. **Z Hautkr** 50(21):881–8, 1Nov 75 **(Ger)**

[Etiologia of the infertility in the department of ginecology of the school of medicine, University of Sao Paulo (author's transl)] Nakamura MS, et al. **Reproduccion** 2(1):39–44, Jan–Mar 75 (Eng. Abstr.) **(Por)**

[Chronic prostatitis and sterility] Kovalev IuN, et al. **Vestn Dermatol Venerol** (1):87–91, Jan 74 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Sterility of three brothers in connection with a disturbed carbohydrate metabolism in semen. Horst CJ, et al. **Andrologia** 7(1):15–24, 1975

200 infertile males: correlation of chromosome, histological, endocrine and clinical studies. Hendry WF, et al. **Br J Urol** 47(7):899–908, 1975

The association of D–group chromosomal translocations and defective spermatogenesis. Plymate SR, et al. **Fertil Steril** 27(2):139–44, Feb 76

Large translocation t(3q–;4p+) as probable cause for semisterility. Sarto G, et al. **Fertil Steril** 27(7):784–8, Jul 76

Chromosomal constitution and male reproductive failure. pp. 231–47. Kjessler B.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Testicular chromosomal mosaicism and infertility. Jones TM, et al. **J Clin Endocrinol Metab** 42(5):888–93, May 76

Chromosomal anomalies in male secretory infertility. Millet D, et al. **J Genet Hum** 23 SUPPL:121–2, Oct 75

Chromosome abnormalities and male sterility. Zuffardi O, et al. **J Genet Hum** 23 SUPPL:136, Oct 75

Spermatogenic failure of translocation heterozygotes affected by H–2–linked gene in mouse. Forejt J. **Nature** 260(5547):143–5, 11 Mar 76

[Studies of the mitotic and meiotic chromosomes in infertile males] Koulischer L, et al. **J Genet Hum** 23 SUPPL:58–70, Oct 75 (Eng. Abstr.) **(Fre)**

[Chromosome abnormalities in male sterility] Millet D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):689–701, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Concentration of the secretory IgA of seminal fluid in normal subjects, in decreased fertility and in aspermia. Soliman HA, et al. **Clin Chim Acta** 69(3):543–4, 15 Jun 76

Antispermatozoal immunoglobulin G in the sera of subfertile men. Leslie W, et al. **Fertil Steril** 27(4):399–402, Apr 76

ANTISPERMATOZOA ANTIBODIES.
Spermagglutinating antibodies in the blood serum of non infertile men. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):644–9, Dec 74

Antispermatozoa antibodies. II. Spermagglutinating antibodies in the blood serum of infertile men. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):650–4, Dec 74

Evidence of an anti–seminal plasma activity in the sera of infertile males. pp. 307–10. Carretti N.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Antigens of semen and auto–immunity against spermatozoa in inferetile men. pp. 249–69. Hekman A, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974. (137 ref.)

A new model for antisperm autoimmunity in guine pigs. Mazzolli AB, et al. **Int J Fertil** 21(1):49–54, 1976

Immunochemistry of a reproductive antigen involved in sterility and fertility. Katsh S, et al. **Mt Sinai J Med NY** 42(5):405–9, Sep–Oct 75

[An immunofluorescent study of circulating sperm antibodies in humans (author's transl)] Maucher OM, et al. **Arch Dermatol Res** 254(2):121–33, 10 Dec 75 (Eng. Abstr.) **(Ger)**

[Sperm–antibodies – practical importance in the male fertility disorder] Meili HU, et al. **Helv Chir Acta** 43(3):295–8, Jul 76 **(Ger)**

[Studies on the immunological factor in the sterility of married couples (author's transl)] Krzemiński A. **Ann Univ Mariae Curie Sklodowska [Med]** 30:165–73, 1975 (Eng. Abstr.) **(Pol)**

[Immunological aspects of marital sterility] Brokowski J. **Ginekol Pol** 47(2):217–23, Feb 76 (57 ref.) (Eng. Abstr.) **(Pol)**

[Immunological aspects of male fertility disorders] Rucki T. **Ginekol Pol** 46(10):1099–100, Oct 75 **(Pol)**

[Immunological aspects of fertility disturbances in inflammatory diseases of the sex organs in men] Kovalev IuN, et al. **Urol Nefrol (Mosk)** (4):44–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Experimental allergic aspermatogenic orchitis. IV. Chemical properties of sperm glycoproteins isolated from guinea pig testes. Hagopian A, et al. **Biochim Biophys Acta** 434(2):354–64, 15 Jun 76

High deoxyribonucleic acid content of spermatozoa from infertile, oligospermic human males. Frajese G, et al. **Fertil Steril** 27(1):14–20, Jan 76

Semen zinc levels in infertile and postvasectomy patients and patients with prostatitis. Marmar JL, et al. **Fertil Steril** 26(11):1057–63, Nov 75

Pituitary hormones in human seminal plasma. pp. 121–4. Mondina R, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

MICROBIOLOGY

The bacteriology of prostatitis and infertility. Horan AH. **Conn Med** 39(7):407–9, Jul 75

The role of Mycoplasma in human infertility. Schoub BD, et al. **S Afr Med J** 50(11):445–7, 13 Mar 76

OCCURRENCE

Infertility in the Highlands. Campbell GR, et al. **Papua New Guinea Med J** 17(4):347–53, Dec 74

Barrenness — the woman's prerogative? **S Afr Med J** 50(23):871–2, 29 May 76

PATHOLOGY

The peritubular tissue in the normal and pathological human testis. An ultrastructural study. de Kretser DM, et al. **Biol Reprod** 12(3):317–24, Apr 75

Round–headed human spermatozoa. Anton–Lamprecht I, et al. **Fertil Steril** 27(6):685–93, Jun 76

Testicular microlithiasis with sterility. Schantz A, et al. **Fertil Steril** 27(7):801–5, Jul 76

Functional and pathological morphology of the spermatozoon. pp. 20–7. Pedersen H.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

On round–headed human spermatozoa. Kullander S, et al. **Int J Fertil** 20(1):33–40, 1975

The pathology of infertility. Craig JM. **Pathol Annu** 10:299–328, 1975 (72 ref.)

[Attempt at a standardized interpretation of testicular histopathology in male sterility] Vallette J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):495–512, Jun 76 (Eng. Abstr.) **(Fre)**

[Ultrastructure of Leydig cells in primary sterility] Krstić R. **Verh Anat Ges** 68:829–35, 1974 (Eng. Abstr.) **(Ger)**

[Diagnosis of male fertility disorders using Menghini's testicular aspiration biopsy] Hofmann W. **Z Urol Nephrol** 67(10):791–6, Oct 74 **(Ger)**

[Histological aspects of the testis in cases of normogenetic sterility] Martinazzi M. **Arch De Vecchi Anat Patol** 59(3):543–56, Apr 74 **(Ita)**

[Studies on testicular function. Report 5. Electron microscopic studies on the changes of the peritubular wall of the human seminiferous tubules in hypospermatogenesis (author's transl)] Furuya S. **Jpn J Urol** 66(12):809–28, Dec 75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Retrograde ejaculation: pathophysiologic aspects and report of two successfully treated cases. Glezerman M, et al. **Fertil Steril** 27(7):796–800, Jul 76

Ascorbic acid in human seminal plasma in normal and pathological conditions. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):724–8, Dec 74

Pituitary gonadotropin response to luteinizing hormone–releasing hormone (LH–RH) in males with azo– and oligospermia. Dubowitz B, et al. **Int J Fertil** 20(1):1–4, 1975

[Sperm liquefaction in men from sterile families] Nalbanski B. **Akush Ginekol (Sofiia)** 14(5):383–6, 1975 (Eng. Abstr.) **(Bul)**

[Morphological studies on abnormal human spermatids and spermatozoa (author's transl)] Holstein AF. **Virchows Arch [Pathol Anat]** 367(2):93–112, 17 Jul 75 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical aspects of infertility. Getzoff PL. **Clin Endocrinol Metabol** 4(3):693–709, Nov 75 (38 ref.)

Results of ligation of internal spermatic vein in the treatment of infertility in azoospermic patients. Mehan DJ. **Fertil Steril** 27(1):110–4, Jan 76

[Artificial silicone elastomer spermatocele. Experimental study] Wagenknecht LV, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):560–1, Dec 74 **(Fre)**

THERAPY

Guiding studies and treatment of the infertile male. Winer JH. **Postgrad Med** 58(6):109–12, Nov 75

URINE

[Current possibilities in hormone diagnosis and hormonal therapy of male fertility disorders during the consulting hours] Mauss J. **Z Hautkr** 50(18):771–7, 15 Sep 75 **(Ger)**

VETERINARY

The ultrastructure of a characteristic spermhead–defect in the boar: the SME–defect. Blom E, et al. **Andrologia** 7(3):199–209, 1975

The ultrastructure of knobbed bull spermatozoa. Cran DG, et al. **J Reprod Fertil** 47(2):407–8, Jul 76

A sterilizing tail stump sperm defect in a Holstein–Friesian bull. Blom E. **Nord Vet Med** 28(6):295–8, Jun 76

[The occurrence of molds and yeasts in the feed and spermatozoa of insemmination bulls. Study technics for their demonstration and the possible significance of molds and yeasts in fertilization disorders of hitherto unknown origin] Richter H. **Berl Munch Tieraerztl Wochenschr** 88(12):224–9, 1975 (Eng. Abstr.) **(Ger)**

[Hereditary infertility in male white Chinese hamsters (Cricetulus griseus Milne Edwards 1867)] Geyer H, et al. **Z Versuchstierkd** 17(2):78–90, 1975 (Eng. Abstr.) **(Ger)**

[Studies on the possibility of fertility prognosis in young bulls during rearing] Adrich S. **Zentralbl Veterinaermed [A]** 23(3):177–92, Apr 76 (Eng. Abstr.) **(Ger)**

[Electrophoretic studies of dog's semen plasma in both fertile and sterile dogs] Dubiel A. **Pol Arch Weter** 17(4):699–706, 1975 (Eng. Abstr.) **(Pol)**

[Evaluation of properties of rabbit semen from the standpoint of fertility disorders] Dubiel A. **Pol Arch Weter** 17(4):707–17, 1975 (Eng. Abstr.) **(Pol)**

STERILIZATION

Transplantation of tendons sterilized in formalin vapours and preserved in paraffin oil. Timashkevich KD, et al. **Acta Chir Plast (Praha)** 17(4):212–8, 1975

Flaming of biopsy specimens for bacteriological culture: surface sterilization and effect on bacteria in the underlying tissue. Nielsen ML. **Acta Pathol Microbiol Scand [B]** 84(2):69–74, Apr 76

Radiation sterilization: background and prospects. Holm NW, et al. **Acta Pharm Suec** 12 SUPPL:26–34, 1975

Basic principles of giving advice on disinfection. Kelsey JC. **Acta Pharm Suec** 12 SUPPL:65–71, 1975

Differences between sterilization at hospitals and in industry. Nyström B. **Acta Pharm Suec** 12 SUPPL:72–7, 1975

Filling vials aseptically while monitoring for bacterial contamination. Dirksen JW, et al. **Am J Hosp Pharm** 32(10):1031–2, Oct 75

Stability of Bacillus pumilus spore strips used for monitoring radiation sterilization. Prince HN. **Appl Environ Microbiol** 31(6):999–1000, Jun 76

Effect of temperature on the sterilization of isopropyl alcohol by liquid propylene oxide. Hart A, et al. **Appl Microbiol** 30(3):483–4, Sep 75

Bacteriological evaluation of an ultra–pure water–distilling system. Kayser WV, et al. **Appl Microbiol** 30(4):704–6, Oct 75

Efficacy of the inactivation of bacterial spores in white petrolatum and a hydrophilic ointment by gamma irradiation. Oie SH, et al. **Appl Microbiol** 30(4):514–8, Oct 75

Influence of wine composition on the heat resistance of potential spoilage organisms. Splittstoesser DF, et al. **Appl Microbiol** 30(3):369–73, Sep 75

Influence of operating room surface contamination on surgical wounds: a prospective study. Weber DO, et al. **Arch Surg** 111(4):484–8, Apr 76

Contamination and sterilisation of local anaesthetic cartridges. Lilley JD, et al. **Br Dent J** 139(10):391–7, 18 Nov 75

Emission measurements after sterilization with ETOX. Jordy A. **Bull Environ Contam Toxicol** 14(4):432–40, Oct 75

Gamma radiation as a microbiological control process. O'Sullivan ET, et al. **Bull Parenter Drug Assoc** 30(1):49–52, Jan–Feb 76

Letter: Sterilization of the flexible fiberoptic bronchoscope. Kato H. **Chest** 69(4):571–2, Apr 76

Planetary quarantine. Sterilization of space hardware. Pflug IJ. **Environ Biol Med** 1(1):63–81, May 71

Ethylene oxide residues in sterilized medical devices. Charlesworth FA. **Food Cosmet Toxicol** 14(1):61, Jan 76

High–purity water supplies for biomedical research laboratories. Deroos R, et al. **Health Lab Sci** 13(1):11–9, Jan 76

Chlorination of waters for disinfection—a study of the production of undesirable chlorinated products. pp. 379–85. Johnsen R.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Mitral–valve replacement using 'unstented' antibiotic sterilized aortic valve homografts. Review of five and one half years experience. pp. 489–96. Yacoub MH.
In: Kalmanson D, ed. The mitral value. Acton, Mass., Publishing Sciences Group, 1976. W3 IN924EH 1975m.

Radiation sterilization—an industrial process. pp. 118–30. Ley FJ.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Radiation sterilization in Israel—past, present, and future. pp. 447–58. Aronson M, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (51 ref.)

Facility calibration, the commissioning of a process, and routine monitoring practices. pp. 69–81. Chadwick KH.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Use of ceric sulphate and Perspex dosimeters for the

calibration of irradiation facilities. pp. 83–99. Chu RD, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Review of the sterilization of surgical sutures. pp. 431–5. Dawson JO.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Organization and immunological qualities of lyophilized and radiosterilized extrasynovial dog–tendon preparations. pp. 25–37. Fehér I, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Feasibility studies on radiation sterilization of some pharmaceutical products. pp. 387–402. Gopal NG, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Chemical and biological effects of radiation sterilization of medical products. pp. 179–90. Gupta BL.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Polyethylene plastics as containers for water for injection and as material for disposable medical devices sterilized by radiation. pp. 145–57. Hilmy N, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Microbiological problems of radiation sterilization control of disposable medical products. pp. 53–8. Horáková V.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Pre–sterilization contamination of disposable medical products and the choice of minimum sterilization dose. pp. 15–24. Horáková V, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Current state of radiation sterilization of medical products in India: problems and special advantages in developing countries. pp. 437–46. Iya VK, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Comparison of some properties of tissue grafts sterilized by cold shock and ionizing radiation. pp. 203–14. Klen R, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiation dosimetry problems when sterilizing medical products in gamma–irradiation plants. pp. 305–22. Krishnamurthy K.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiosterilization of medical appliances using a 5000–Ci cobalt–60 source. pp. 493–502. Molla MA, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Appraisal of the advantages and disadvantages of gamma, electron and X–ray radiation sterilization. pp. 269–88. Morganstern KH.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Factors involved in planning radiation–sterilization practices and technology in the developing countries, and the agency's promotional role. pp. 415–30. Mukherjee RN, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radiation–sterilization practices in Korea. pp. 503–10. Rhee KS.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Prospects for radiation sterilization of medical products in Egypt. pp. 477–91. Roushdy HM.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Proposed Philippine radiation–sterilization plant, and a survey of market potential. pp. 459–65. Singson CC, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Planning of gamma–fields: forming and checking dose–rate homogeneity in irradiation facilities. pp. 323–9. Stenger V, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Tests of the validity of a model relating frequency of contaminated items and increasing radiation dose. pp. 3–14. Tallentire A, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Synergistic effects of heat and irradiation treatment (thermoradiation) in the sterilization of medical products. pp. 25–44. Trauth CA Jr, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Effects of sterilizing doses of ionizing radiation on the mechanical properties of various connective tissue allografts. pp. 215–23. Triantafyllou N, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Inactivation of B. pumilus spores by combination hydrostatic pressure–radiation treatment of parenteral solutions. pp. 45–51. Wills PA.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Industrial and dosimetric aspects of radiation sterilization in Australia. pp. 101–12. Wills PA, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Pre–operative disinfection of the vagina. Duignan NM, et al. **J Antimicrob Chemother** 1(1):117–20, Mar 75

Disinfection of containers and stoppers prior to sterility testing veterinary biological products. Christianson GG, et al. **J Biol Stand** 4(2):155–61, Apr 76

Application of a gloved–hand model for multiparameter measurements of skin–degerming activity. Michaud RN, et al. **J Clin Microbiol** 3(4):406–31, Apr 76

The cleaning and disinfection by heat of bedpans in automatic and semi–automatic machines. Mostafa AB, et al. **J Hyg (Camb)** 76(3):341–8, Jun 76

Sterilization of infected bone by lyophilization and rehydration with antibiotic solutions. Egyedi P, et al. **J Maxillofac Surg** 4(1):65–6, Mar 76

Proceedings: Use of an industrial prototype machine for drying and sterilizing pharmaceutical ampoules by microwaves at 2.45 GHz. Mothiron JC, et al. **J Microwave Power** 11(2):200–1, Jun 76

Proceedings: Food sterilization in a microwave pressure retort. O'Meara JP, et al. **J Microwave Power** 11(2):213–4, Jun 76

Proceedings: Microwave sterilization of pea flour and pea protein concentrate. Wyslouzil W, et al. **J Microwave Power** 11(2):212–3, Jun 76

Veterinary public health implications of U H T processing of milk. Meara PJ. **J S Afr Vet Assoc** 57(2):105–11, Jun 76 (76 ref.)

Experience with non–sterile intermittent self–catheterization. Orikasa S, et al. **J Urol** 115(2):141–2, Feb 76

Disinfection. Davis EM, et al. **J Water Pollut Control Fed** 47(6):1323–34, Jun 75 (125 ref.)

Disinfection. Hoadley AW, et al. **J Water Pollut Control Fed** 48(6):1166–70, Jun 76 (45 ref.)

Letter: Autoclaving of tonometers. Sklar AL. **JAMA** 234(7):706, 17 Nov 75

Protein losses during sterilizing by filtration. Hawker RJ, et al. **Lab Pract** 24(12):805–7, 818, Dec 75

Sterilizeable thermistor probe for monitoring and control of level, flow and pressure of liquids in the fermentation laboratory. Holdom RS, et al. **Lab Pract** 24(11):752–3, Nov 75

Editorial: Disinfectants against squalor. **Lancet** 2(7927):218, 2 Aug 75

Letter: Urinals soaked in disinfectants. Emmerson AM, et al. **Lancet** 2(7927):232–3, 2 Aug 75

Introduction to the scrapie diseases: self–replicating agents surviving standard autoclaving for an hour and 10% formalin for a year. Kast RE. **Mater Med Pol** 8(1):3–12, Jan–Mar 76 (79 ref.)

Disinfection of baths and bathwater. Ayliffe GA, et al. **Nurs Times** 71(37):22–3, 11 Sep 75

Cleaning, disinfection and handling of fibre optic equipment. Haglof K. **Nurs Times** 72(15):suppl:30–1, 15 Apr 76

Ultrasonic disinfection of the root canal. Martin H. **Oral Surg** 42(1):92–9, Jul 76

[Effect of ionizing sterilization doses on the properties of plastics used in medical technology] Robalewski AM. **Polim Med** 5(4):293–9, 1975 (Eng. Abstr.) **(Eng, Pol)**

Implications of sterile docking devices. Zuck TF, et al. **Transfusion** 15(5):399–401, Sep–Oct 75

Radiation–sterilized bone grafts evaluated by electron spin resonance technique and mechanical tests. Komender J, et al. **Transplant Proc** 8(2 Suppl 1):25–37, Jun 76

[Thoughts upon the construction of requirements of disinfection procedures concerning contaminated hands – an analysis (author's transl)] Kundi M, et al. **Zentralbl Bakteriol [Orig B]** 161(2):165–77, Oct 75 (Eng. Abstr.)

[UHT—behandeling van melk (author's transl)] Lombard SH. **J S Afr Vet Assoc** 57(2):101–4, Jun 76 (Eng. Abstr.) **(Afr)**

[Central disinfection of hospital beds—practical experience (author's transl)] Kemter BP. **Cesk Epidemiol Mikrobiol Imunol** 24(6):332–6, Nov 75 (Eng. Abstr.) **(Cze)**

[Checking up on persteril disinfection procedures employed in veterinary practice (author's transl)] Kubíček K. **Cesk Epidemiol Mikrobiol Imunol** 24(5):315–20, Sep 75 (Eng. Abstr.) **(Cze)**

[Hygienic and anti–infection regime in intensive care units and anesthesiological and resuscitation departments in the Czech Socialist Republic] Daneš L, et al. **Cesk Zdrav** 24(2):69–79, Feb 76 (Eng. Abstr.) **(Cze)**

[Effect of some antiseptic detergents for surgical hand washing] Askgaard K. **Ugeskr Laeger** 137(43):2515–8, 20 Oct 75 (Eng. Abstr.) **(Dan)**

[Hospital hygiene. Why, how?] Vilain R, et al. **Chirurgie** 101(7):459–65, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Bacteriostatic activity of various antibiotics after gamma–ray irradiation] pp. 239–51. Fleurette J, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Fre)**

['TAC' film, a plastic dosimeter for practical measurement of irradiation doses received during sterilization] pp. 113–34. Puig JR, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Fre)**

[Microbiological study of surfaces in the hospital environment] Dabord JC, et al. **Nouv Presse Med** 5(21):1349–52, 22 May 76 (Eng. Abstr.) **(Fre)**

[Use of allogenous bones obtained under non–sterile conditions in orthopedics and traumatology] Mschwidobadse MW. **Beitr Orthop Traumatol** 22(6):323–30, Jun 75 **(Ger)**

[Radiation sterilization of contact lenses] Ehrich W, et al. **Ber Dtsch Ophthalmol Ges** (73):301–3, 1975 **(Ger)**

[The rotating aeration system FUCHS System in the treatment of liquid animal and municipal wastes. 3. Hygienic studies on the rotation aeration of cattle slurry] Wassen H, et al. **Berl Munch Tieraerztl Wochenschr** 89(10):200–3, 15 May 76 (Eng. Abstr.) **(Ger)**

[Letter: Storage of sterilized canules] Grün L. **Dtsch Med Wochenschr** 100(37):1872, 12 Sep 75 **(Ger)**

[Is hygiene endangered in the modern dental office?] Mayer R, et al. **Dtsch Zahnaerztl Z** 31(2):145–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Studies on the quality of the disinfection–regime in stationary and ambulatory areas as well as suggestions for its improvement] Heyn D, et al. **Z Aerztl Fortbild (Jena)** 69(16):872–6, 15 Aug 76 **(Ger)**

[Sterilization with glutaraldehyde vapor. Determination of steam concentrations and sterilization parameters] Jacobi HD. **Z Gesamte Hyg** 22(7):521–5, Jul 76 (Eng. Abstr.) **(Ger)**

[Hygiene and attitude to hygiene in the dental profession in the German Federal Republic] Kimmel K. **Zahnaerztl Mitt** 66(1):126–31, 1 Feb 76 **(Ger)**

[Water disinfection by means of chlorine: killing of aggregate bacteria (author's transl)] Carlson S, et al. **Zentralbl Bakteriol [Orig B]** 161(3):233–47, Dec 75 **(Ger)**

[Test methods for surgical hand disinfection (author's transl)] Reber H, et al. **Zentralbl Bakteriol [Orig B]** 160(6):601–27, Aug 75 (Eng. Abstr.) **(Ger)**

[On bacterial aftergrowth in drinking and industrial water. II. Apparative and processing influence upon the growth and the possibility of disinfection of ion exchange resin filter systems (author's transl)] Schubert RHW. **Zentralbl Bakteriol [Orig B]** 161(3):248–65, Dec 75 (Eng. Abstr.) **(Ger)**

[The problem of the measurement of relative humidity in the disinfecting dryceaning process (author's transl)] Spicher G, et al. **Zentralbl Bakteriol [Orig B]** 161(3):195–208, Dec 75 (Eng. Abstr.) **(Ger)**

[Sterilization of instruments by means of peracetic acid in the gynecological polyclinic] Flach W. **Zentralbl Gynaekol** 98(6):374–5, 1976 **(Ger)**

[Flow of laminar air: use in sterile rooms] Lumini E. **Boll Chim Farm** 114(7):361–74, Jul 75 **(Ita)**

[Radiosterilization: microbiological aspects and problems] Negretti F. **Boll Chim Farm** 114(6):301–8, Jun 75 **(Ita)**

[Assessment of sterility] Setnikar I. **Boll Chim Farm** 114(5):241–50, May 75 **(Ita)**

[New procedure for the purification of fluid waste disposal : economics of cost, space and energy] **Minerva Med** 66(68 Suppl):19, Oct 75 **(Ita)**

[Progress in food technology: sterilization processes (author's transl) Porretta A. **Riv Sci Tecn Nutr Um** 5(3):155–66, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Rare complication of open heart surgery—ruptured aneurysm of the femoral artery possibly due to the residual ethylene oxide following gas sterilization] Kugimiya T, et al. **Jpn J Thorac Surg** 28(12):874–8, Dec 75 (Eng. Abstr.) **(Jpn)**

[Solutions of Chlorhexidinum gluconicum 20 preparation (Polfa production) in the disinfection of surgical instruments] Perczyńska–Partyka W, et al. **Pol Tyg Lek** 31(22):943–5, 31 May 76 (Eng. Abstr.) **(Pol)**

[Use of ethylene oxide for the sterilization of thermoplastic articles] Cisecki J. **Polim Med** 5(2):157–62, 1975 (Eng. Abstr.) **(Pol)**

[Determination of radiation dosage for radiosterilization of disposable medical equipment] Czerniawski E, et al. **Polim Med** 5(4):307–17, 1975 **(Pol)**

[Resistance of polysterenes and styrene–acrylonitrile copolymer to sterilizing doses of accelerated electron radiation] Robalewski AM, et al. **Polim Med** 5(4):329–38, 1975 (Eng. Abstr.) **(Pol)**

[Polyamides and esters of terephthalic acid used in the production of medical articles to be sterilized by accelerated electrons] Robalewski AM, et al. **Polim Med** 5(4):349–60, 1975 (Eng. Abstr.) **(Pol)**

[Radiation sterilization of disposable medical equipment] Zagórski ZP. **Polim Med** 5(4):301–305, 1975 (Eng. Abstr.) **(Pol)**

[Letter: Possibilities of radiation-induced sterilization of medical equipment made of polychlor vinyl] Zalewski W, et al. **Polim Med** 4(3):225–7, 1974 **(Pol)**

[Ethylene oxide sterilization and disinfection of plastic articles] Zych K. **Polim Med** 6(1):41–5, 1976 (Eng. Abstr.) **(Pol)**

[Effects of antibiotics on the development of biocenosis in experimental wetted filters] Luczak J, et al. **Rocz Panstw Zakl Hig** 27(3):229–40, 1976 (Eng. Abstr.) **(Pol)**

[Hygienic criteria of the effectiveness of washing polyethylene packaging with a solution of ammonium alkyl sulfate] Chernova TV. **Gig Sanit** (9):97–8, Sep 75 **(Rus)**

[Radiation sterilization of radiopharmaceutical preparations] pp. 365–78. Bochkarev VV, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Choice of the irradiation dose for the sterilization of medical products] pp. 61–8. Bochkarev VV, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Radiochemical changes in polymers used for packaging drugs] pp. 159–69. Ivanov AI, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Monitoring of the radiation sterilization process] pp. 137–44. Khrushchev VG, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. **(Rus)**

[Development of methods of forecasting properties of polymer packaging materials which do not cause any changes in medicinal preparations during sterilization] pp. 191–9. Krivonosov AI, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Influence of radiation sterilization on the medicochemical properties of polymer materials coming into contact with medical products] pp. 171–6. Semenenko EI, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Comparative studies of cold sterilization of transplantation tissues] Ventsel' K, et al. **Khirurgiia (Mosk)** (2):101–3, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of a magnetic field on Escherichia coli] Chizhov SV, et al. **Kosm Biol Aviakosm Med** 9(5):26–31, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Sorption method of water regeneration for cosmonaut personal hygiene] Gaidadymov VA, et al. **Kosm Biol Aviakosm Med** 10(1):73–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Urine conservation by surface-active agents] Prishchep AG, et al. **Kosm Biol Aviakosm Med** 9(5):31–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Microbiological aspects of radiation sterilization] Gareishina AZ, et al. **Nov Med Priborostr** (4):56–61, 1973 **(Rus)**

[Disinfection of medical orthopedic articles made of polymer materials] Vashkov VI, et al. **Polim Med** 6(1):33–40, 1976 (Eng. Abstr.) **(Rus)**

[Preparation and gas sterilization of mandibular homografts] Saveliev VI, et al. **Stomatologiia (Mosk)** 54(5):34–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Use of hypochlor for disinfection in commercial swine raising] Dudnitskiĭ IA, et al. **Veterinariia** (10):23–6, Oct 75 **(Rus)**

[Disinfection of feeds in a SPF-type poultry farm] Gurtsevich VE, et al. **Veterinariia** (10):28–30, Oct 75 **(Rus)**

[Hydrogen peroxide disinfection of shops producing brucellosis preparations] Shlygina IN, et al. **Veterinariia** (9):42–3, Sep 75 **(Rus)**

[Study of the possibilities of inactivating adeno-associated virus type 4] Zolotarskaia EE, et al. **Vopr Virusol** (3):341–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Hygienic characteristics of the working conditions of disinfecting service workers coming in contact with pesticides] Al'ber GV. **Zdravookhr Kirg** (2):38–40, Mar–Apr 76 **(Rus)**

[Intestinal helminthiasis in assanated military environment] Petrović B, et al. **Vojnosanit Pregl** 32(6):633–40, Nov–Dec 75 (Eng. Abstr.) **(Ser)**

[Progress of radiosterilization in the Argentine Republic] pp. 467–76. Mariano EE, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Spa)**

HISTORY

An introduction to disinfection. Cartledge KW. **Nurs Times** 71(37):1460–1, 11 Sep 75

INSTRUMENTATION

A low-cost irradiation facility for pilot-scale process irradiation studies. pp. 331–8. Krishnamurthy K, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Radioactive tracers in the assessment of cleaning of surgical appliances. Mostafa AB, et al. **Int J Appl Radiat Isot** 26(11):651–5, Nov 75

Bacterial aerosolization from an ultrasonic cleaner. Turner AG, et al. **J Clin Microbiol** 1(3):289–93, Mar 75

Some observations on cooling in laboratory autoclaves. Everall PH, et al. **J Clin Pathol** 28(8):664–9, Aug 75

Self-cleaning bacteriological pipette using ultrasonic vibration. Sharpe AN, et al. **Lab Pract** 24(12):815–6, Dec 75

Letter: Bowie and Dick test for autoclaves. Morris CA, et al. **Lancet** 2(7893):1382–3, 7 Dec 74

[Technology of radiosterilization installations: some aspects concerning the developing countries] pp. 289–303. Eymery R.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Fre)**

[Requirements of ventilator installations in smallpox eradication centers] Zeise D. **Gesund Ing** 96(11):306–17, Nov 75 **(Ger)**

[Comment on H. Bockisch's paper: Disinfection and Sterilization in Stomatological Practice] Fürtig W, et al. **Stomatol DDR** 26(2):115–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Study of polyolefine plastics for the manufacture of medical and bacteriological equipment to be sterilized in electron accelerators] Robalewski AM, et al. **Polim Med** 5(4):339–47, 1975 (Eng. Abstr.) **(Pol)**

[Industrial facilities for the radiation sterilization of medical products] pp. 341–50. Osipov VB, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r. (Eng. Abstr.) **(Rus)**

[Use of mobile disinfection chambers for sterilizing laboratory vessels containing nutrient media infected with Escherichia coli] Evdokimova MP, et al. **Med Tekh** (5):56–7, Sep–Oct 75 **(Rus)**

[Artistic design of medical steam sterilizers] Skitovich GP. **Med Tekh** (4):37–42, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Choice of operating modes for removing air from steam sterilizers] Tsibikov VB, et al. **Med Tekh** (5):36–9, Sep–Oct 75 **(Rus)**

[Modification of installation of ceramic candles F-7 for sterilizing filtration of protein solutions] Zaruskiĭ VI. **Probl Gematol Pereliv Krovi** 20(4):61–2, Apr 75 **(Rus)**

[An apparatus for washing disinfection of chutes] Stefanov AV, et al. **Veterinariia** (3):48–50, Mar 76 **(Rus)**

[Simple device for washing capillary microbiological laboratory ware] Magarlamov AG, et al. **Mikrobiol Zh** 38(3):372–3, 1976 (Eng. Abstr.) **(Ukr)**

METHODS

The application of gaseous ethyleneoxide for sterilization of tissue grafts, obtained without maintaining sterile conditions. Savelyev VI. **Acta Chir Plast (Praha)** 17(4):198–204, 1975

Sterilization methods in industry. Microbiological evaluation of sterilized medical products. Christensen EA. **Acta Pharm Suec** 12 SUPPL:1–5, 1975

Irradiation sterilization of pharmaceutical products. Diding N. **Acta Pharm Suec** 12 SUPPL:35–43, 1975

Sterilization by means of ethylene oxide. Ernst RR. **Acta Pharm Suec** 12 SUPPL:44–64, 1975

The heat sterilization methods. Gaughran ER, et al. **Acta Pharm Suec** 12 SUPPL:15–25, 1975

Sterilization by means of dry heat and disinfection by means of toxic gases as performed at hospitals. Kristensen H. **Acta Pharm Suec** 12 SUPPL:78–84, 1975

Differences between sterilization at hospitals and in industry. Nyström B. **Acta Pharm Suec** 12 SUPPL:72–7, 1975

Autoclavable Macintosh laryngoscope with high-intensity fiberoptic illumination for routine anesthetic use. Lewis JJ. **Anesthesiology** 43(5):573–4, Nov 75

Ethylene oxide degassing of rubber and plastic materials. Stetson JB, et al. **Anesthesiology** 44(2):174–80, Feb 76

Microwave sanitization of color additives used in cosmetics: feasibility study. Jasnow SB, et al. **Appl Microbiol** 30(2):205–11, Aug 75

Treatment of Salmonella-Arizona-infected turtle eggs with terramycin and chloromycetin by the temperature-differential egg dip method. Siebeling RJ, et al. **Appl Microbiol** 30(5):791–9, Nov 75

The sterilization of gutta-percha points. Ehrmann EH, et al. **Aust Dent J** 20(3):157–60, Jun 75

Decontamination of anaesthetic equipment and ventilators. Lumley J. **Br J Anaesth** 48(1):3–8, Jan 76

The effect of methods of sterilization on the nutritive value of protein in a commercial rat diet. Ford DJ. **Br J Nutr** 35(2):267–76, Mar 76

The disinfection of urological endoscopes. Mitchell JP, et al. **Br J Urol** 47(5):571–6, Oct 75

Sterilisation of ophthalmic instruments by paraformaldehyde tablets. El Gammal MY, et al. **Bull Ophthalmol Soc Egypt** 68:731–6, 1975

Radiation sterilization of medical products. Fogarty MG. **Bull Parenter Drug Assoc** 29(6):269–77, Nov–Dec 75

Immediate postnatal decontamination as a means of obtaining axenic animals and human infants. Ducluzeau R, et al. **Can J Microbiol** 22(4):563–6, Apr 76

Tissue culture, protein and collagen synthesis in antibiotic sterilized canine heart valves. McGregor CG, et al. **Cardiovasc Res** 10(3):389–93, May 76

Letter: Sterilization of endoscopes. Dunkerley RC, et al. **Gastroenterology** 70(2):298, Feb 76

Central decontamination area—an aid in infection control. Burdette BA. **Hosp Top** 54(1):6, Jan–Feb 76

Problems in the sterilisation of cell separator bowls. pp. 43–5. Cartledge KW.
In: Goldman JM, Lowenthal RM, ed. Leucocytes: separation, collection and transfusion. London, Academic Press, 1975. WH 200 1605L 1974.

Radiation sterilization of pharmaceuticals and biomedical products. pp. 351–63. Blackburn R, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Different methods of sterilization of medical products. pp. 265–8. Dawson JO.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.

Thromboresistance of glass after glow discharge treatment in argon. Baier RE, et al. **J Biomed Mater Res** 9(6):547–60, Nov 75

Use of cetylpyridinium chloride and sodium chloride for the decontamination of sputum specimens that are transported to the laboratory for the isolation of Mycobacterium tuberculosis. Smithwick RW, et al. **J Clin Microbiol** 1(5):411–3, May 75

Suitability of peracetic acid for sterilization of media for mycoplasma cultures. Wutzler P, et al. **J Clin Microbiol** 1(3):246–9, Mar 75

Proceedings: Laboratory autoclaves—dangers and safety. Gillespie EH, et al. **J Clin Pathol** 28(9):754, Sep 75

Proceedings: Alcoholic solutions and other agents for disinfection of the surgeon's hands. Lowbury EJ, et al. **J Clin Pathol** 28(9):753–4, Sep 75

Comparison of two methods for assessing the removal of total organisms and pathogens from the skin. Ayliffe GA, et al. **J Hyg (Camb)** 75(2):259–74, Oct 75

Dielectric food data for microwave sterilization processing. Ohlsson T, et al. **J Microwave Power** 10(1):93–108, Mar 75

Reimplantation of freeze-treated and saline-treated mandibular bone. Marciani RD, et al. **J Oral Surg** 34(4):314–9, Apr 76

Disinfection of plastic aprons. Noy M, et al. **Nurs Times** 72(34):39–40, 26 Aug 76

Ileocolitis responding to bowel sterilization. Kane SP. **Proc R Soc Med** 69(4):266, Apr 76

[Disinfection and sterilization in stomatological practice] Bockisch H. **Stomatol DDR** 26(1):22–6, Jan 76

[Efficacy of aerosol disinfection with lactic acid and its effect on the body of poultry] Petkov G, et al. **Vet Med Nauki** 12(4):23–8, 1975 (Eng. Abstr.) **(Bul)**

[Sterilization by ionizing radiations (author's transl)] Transy MJ, et al. **Rev Epidemiol Sante Publique** 24(2):165–84, Mar–Apr 76 (31 ref.) (Eng. Abstr.) **(Fre)**

[Sterilization in the daily dental practice] Forrer JM. **Schweiz Monatsschr Zahnheilkd** 86(3) Mar 76 (Eng. Abstr.) **(Fre)**

[Experiences with the radiation-sterilized surgical covering foil] Siegling C-W. **Beitr Orthop Traumatol** 23(2):106–7, Feb 76 **(Ger)**

[Hygienic differentiation of technical processes in handling liquid drug. 2. Examination of the Electro-M process using laboratory standards] Schwab H, et al. **Berl Munch Tieraerztl Wochenschr** 88(8):148–51, 15 Apr 75 (Eng. Abstr.) **(Ger)**

[Studies on the disinfection possibilities for dental films used in intraoral radiography] Bössmann K, et al. **Dtsch Zahnaerztl Z** 31(8):665–6, Aug 76 **(Ger)**

[Effectiveness of ultrasonics in prosthesis disinfection] Grün L, et al. **Dtsch Zahnaerztl Z** 31(8):627–30, Aug 76 **(Ger)**

[Disinfection and sterilization in stomatological practice] Bockisch H. **Stomatol DDR** 26(3):225–6, Mar 76 **(Ger)**

[Rational cleaning of instruments by means of ultrasonics] Dreeser HP. **Stomatol DDR** 25(8):546–50, Aug 75 (Eng. Abstr.) **(Ger)**

[Ultrasonic cleaning of dental instruments] Ehmer D. **Stomatol DDR** 25(8):551–3, Aug 75 (Eng. Abstr.) **(Ger)**

[Theory and practice of spray-disinfection] Ripper M. **Z Aerztl Fortbild (Jena)** 69(13):678–84, 1 Jul 75 **(Ger)**

[Studies on the antiviral effectiveness of chemothermal disinfecting washing procedure] Kewitsch A, et al. **Z Gesamte Hyg** 21(2):137–40, Feb 75 (Eng. Abstr.) **(Ger)**

[The sterilization of serum and trypsin for cell cultivation with betapropiolactone] Döhner L, et al. **Z Med Labortech** 16(5):277–80, 1975 (Eng. Abstr.) **(Ger)**

[Combined cleaning and cold sterilization procedure for cleaning rooms in virological establishments] Wutzler P, et al. **Z Med Labortech** 16(5):253–9, 1975 (Eng. Abstr.) **(Ger)**

[Critical assessment of methods for testing chemical disinfectants and disinfection procedures (author's transl)] Borneff J, et al. **Zentralbl Bakteriol [Orig B]** 160(6):590–600, Aug 75 (Eng. Abstr.) **(Ger)**

[The destruction of pathogenic and non-pathogenic spore-formers through heat sterilization of slaughterhouse waste] Riedinger O, et al. **Zentralbl Veterinaermed [B]**

22(10):860–5, Dec 75 (Eng. Abstr.) **(Ger)**
[Sterilization of the specula for gynecologic examination] Grund G. **ZFA** 52(12):649–50, 30 Apr 76 **(Ger)**
[Sterilization of diets and drinking water in the autoclave in the Laboratory Animal Center, Nippon Veterinary and Zootechnical College (author's transl)] Shinoda M, et al. **Exp Anim (Tokyo)** 24(3):119–21, Jul 75 (Eng. Abstr.) **(Jpn)**
[Study of the sterilization of the Na salt of methicillin using accelerated electrons] Subbotina NA, et al. **Antibiotiki** 21(6):511–4, Jun 76 (Eng. Abstr.) **(Rus)**
[Sterilization of 33% ethyl alcohol] Revzin MB. **Farmatsiia** 24(1):66–7, Jan–Feb 75 **(Rus)**
[Evaluation of the effectiveness of the disinfection of sewage water by the radiat1on method] Arbuzova NA, et al. **Gig Sanit** (5):103–5, May 76 **(Rus)**
[Chlorine treatment for the decontamination of raw and purified toilet sewage and mixed effluents from ships] El'puner LI, et al. **Gig Sanit** (1):16–20, Jan 76 (Eng. Abstr.) **(Rus)**
[Disinfection of drinking water with iodine] Kainov GA. **Gig Sanit** (2):110, Feb 75 **(Rus)**
[Use of ultrasonics for removing contaminants from protective clothing in the chemical industry] Ardasheva OK, et al. **Gig Tr Prof Zabol** (8):18–21, Aug 75 (Eng. Abstr.) **(Rus)**
[Gas sterilization method in a surgical clinic] Osipov VP, et al. **Khirurgiia (Mosk)** (4):42–6, Apr 75 **(Rus)**
[Radiation sterilization of medicinal preparations with radioactive iodine isotopes] Bochkarev VV, et al. **Med Radiol (Mosk)** 20(10):17–22, Oct 75 (Eng. Abstr.) **(Rus)**
[Effect of certain methods of sterilization on the quality of dental instruments] Sher LB, et al. **Med Tekh** (6):15–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Sterilization of plastic sacs containing blood preservative by radiation–thermal method] Manueva GN, et al. **Probl Gematol Pereliv Krovi** 19(2):57–8, Feb 74 **(Rus)**
[Sterilization of the serum of convalescents with betapropiolactone] Demakov GP, et al. **Veterinariia** (8):109–10, Aug 75 **(Rus)**
[Eliminating the tuberculosis bacillus from camel's milk and hair] Donchenko AS, et al. **Veterinariia** (2):24–6, Feb 75 **(Rus)**
[Evaluation of methods for disinfecting fish breeding ponds] Engashev VG. **Veterinariia** (9):32–5, Sep 74 **(Rus)**
[Disinfection of droppings in colibacteriosis and salmonellosis of poultry] Khashimov AU, et al. **Veterinariia** (12):30–1, Dec 75 **(Rus)**
[Effectiveness of a regime for the pasteurization of milk contaminated with the foot–and–mouth disease virus] Khukhorov VM, et al. **Veterinariia** (12):26–8, Dec 75 **(Rus)**
[Disinfection in industrial pig–breeding] Poliakov AA, et al. **Veterinariia** (7):21–6, Jul 75 **(Rus)**
[Disinfection of wool in field conditions] Shushaev BKh, et al. **Veterinariia** (6):47–9, Jun 75 **(Rus)**
[Disinfection of apiary soil in foulbrood of bees] Snirnov AM. **Veterinariia** (6):32–7, Jun 76 **(Rus)**
[Electroimpulse apparatus and a high pressure chamber for the destruction of microorganisms and helminths] Zharikov IS, et al. **Veterinariia** (3):111–2, Mar 76 **(Rus)**

STANDARDS

Bacteriological and clinical evaluation of different dialysate delivery systems. Dawids SG, et al. **Acta Med Scand** 199(3):151–5, 1976
Contamination control during the manufacture of medical products. Phillips GB. **Acta Pharm Suec** 12 SUPPL:6–14, 1975
Standards needed for sterilization monitoring. Kowalski J, et al. **Hosp Prog** 57(4):52–4, Apr 76
Sterilization quality assurance procedure. **Hosp Top** 54(4):1–2, 39–44, Jul–Aug 76
Hazards of EO sterilization in hospitals. Halleck FE. **Hosp Top** 53(6):45–52, Nov–Dec 75
FDA issues guidelines for ETO sterilization. **Hospitals** 49(22):81–2, 16 Nov 75
Radiopasteurization in the processing of non–sterile pharmaceutical preparations and basic materials. pp. 379–86. Armbrust RF.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.
Safety and clinical efficacy of some radiation–sterilized medical products and pharmaceuticals. pp. 403–8. Kulkarni RD, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.
Recommendations for the radiation sterilization of medical products. pp. 513–23. Mukherjee RN.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.
Autoclaves and their dangers and safety in laboratories. Gillespie EH, et al. **J Hyg (Camb)** 75(3):475–87, Dec 75
[Commentaires on the sterility test of the European Pharmacopoeia (author's transl)] Dony J. **J Pharm Belg** 30(5–6):487–96, Sep–Dec 75 (Eng. Abstr.) **(Fre)**
[Qualitative and quantitative studies of the problem of prosthesis disinfection] Engelhardt JP, et al. **Dtsch Zahnaerztl Z** 31(8):620–6, Aug 76 (Eng. Abstr.) **(Ger)**
[Hygiene in dental practice— wish and reality] Engelhardt JP, et al. **Dtsch Zahnaerztl Z** 31(4):277–81, Apr 76 (Eng. Abstr.) **(Ger)**
[Studies on the reliability of appliances for the measurement of disinfectants in hospitals. How safe are measuring instruments for disinfectants] Sander J, et al. **Immun Infekt** 2(5):238, Nov 74 **(Ger)**
[Sterility control: basic mathematical considerations (author's transl)] Spicher G, et al. **Zentralbl Bakteriol [Orig A]** 230(1):112–38, Jan 75 (Eng. Abstr.) **(Ger)**
[Tests of biological indicators in controling sterilisation processes of autoclaves (author's transl)] Holstein N. **Zentralbl Bakteriol [Orig B]** 160(4–5):443–57, Jul 75 (Eng. Abstr.) **(Ger)**
[A comparison of the assay regulations for sterility testing between the USP XIX and the European Pharmacopoeia (author's transl)] Seyfarth H. **Zentralbl Bakteriol [Orig B]** 160(4–5):432–42, Jul 75 (Eng. Abstr.) **(Ger)**
[Testing the sterilisation effect of autoclaves by means of biological indicators (author's transl)] Werner HP, et al. **Zentralbl Bakteriol [Orig B]** 160(4–5):458–72, Jul 75 (Eng. Abstr.) **(Ger)**
[Survival of microorganisms of the intestinal group and Staphylococcus aureus on synthetic polymeric materials] Bryskin ML. **Gig Sanit** (8):94–6, Aug 75 **(Rus)**

STERILIZATION REVERSAL

Reversibility of clip sterilization. Hulka JF, et al. **Fertil Steril** 26(11):1132–4, Nov 75
Male new technique. Current status of reversible vas occlusion. pp. 76–85. Lee HY.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Sterilization of women: a review of new and potentially reversible techniques. pp. 62–9. Sciarra JJ Jr.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973. (15 ref.)
An overview of research on new sterilization technology. pp. 194–9. Speidel JJ, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
The potential use of intratubal stents for reversible sterilization. pp. 91–9. Steptoe PC.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.
Low fertility rate in vasovasostomized males and its possible immunologic mechanism. Gupta I, et al. **Int J Fertil** 20(3):183–91, 1975
Feasibility study of the reversible occlusion device for the vas deferens. Guha SK, et al. **Med Biol Eng** 14(1@760310–760415–3):15–8, Jan 76

INSTRUMENTATION

Vasectomy and vasovasostomy. II. A comparison of two methods of vasovasostomy: silastic versus chromic stents. Urry RL, et al. **Fertil Steril** 27(8):945–50, Aug 76
Development and initial evaluation of a vas deferens valve. Kuckuck L, et al. **Indian J Physiol Pharmacol** 19(1):20–7, Jan–Mar 75
Reversible occlusive devices. Brueschke EE. **J Reprod Med** 17(2):103–15, Aug 76

METHODS

A practical method for reversible sterilization in women. pp. 229–37. Augusto Camelo A, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.
A method of Pomeroy tubal ligation reanastomosis. McCormick W, et al. **Obstet Gynecol** 47(5):623–5, May 76
Microscopic technique for reversal of vasectomy. Silber SJ. **Surg Gynecol Obstet** 143(4):631, Oct 76
Stented vasovasotomy. Simplified technique. MacDonald GR Jr, et al. **Urology** 7(2):200–1, Feb 76

STERILIZATION, SEXUAL

A considered approach to sterilization of mentally retarded youth. Perrin JC, et al. **Am J Dis Child** 130(3):288–90, Mar 76
Letter: Sterilization guidelines. Gonzales B. **Am J Obstet Gynecol** 125(6):875, 15 JUl 76
Letter: Abdominal hysterectomy for surgical sterilization in the mentally retarded. Keith L. **Am J Obstet Gynecol** 123(8):921, 15 Dec 75
Letter: Sterilization guidelines. Strahl MO. **Am J Obstet Gynecol** 125(8):1156, 15 Aug 76
Letter: Sterilization of children under 16 years of age. Court SD, et al. **Arch Dis Child** 51(6):484, Jun 76
Recent advances in female sterilization. Leeton J. **Aust Fam Physician** 5(2):189–96, Mar 76
Sterilization of minors. **Br Med J** 3(5986):775–7, 27 Sep 75
Editorial: Sexual development in mentally handicapped children. **Br Med J** 2(6027):71–2, 10 Jul 76
Letter: Sterilisation of children under 16. Court SD, et al. **Br Med J** 1(6013):830, 3 Apr 76
Letter: Doctors, contraception, and sterilisation. Lambden PW. **Br Med J** 2(6034):528, 28 Aug 76
Effects of a single ethanol injection into the vas deferens on the testicular function of rats. Dixit VP, et al. **Endokrinologie** 67(1):8–13, Mar 67
Inevitable failure of a shortcut policy. Compulsory sterilization in India: is coercion the only alternative to chaos? Henry M. **Hastings Cent Rep** 6(3):14–5, Jun 76
Sterilizing the retarded child. Walters L, et al. **Hastings Cent Rep** 6(2):13–5, Apr 76
Supreme Court unwilling to settle state action conflict. Geary PF. **Hosp Prog** 57(5):6, 12, May 76
An analysis of the church's teaching on sterilization. O'Rourke KD. **Hosp Prog** 57(5):68–75, 80, May 76
The use of surgery to avoid childbearing among Navajo and Hopi Indians. Kunitz SJ, et al. **Hum Biol** 48(1):9–21, Feb 76
The use of surgery to avoid childbearing among Navajo and Hopi Indians. pp. 9–21. Kunitz SJ, et al.
In: Kaplan BA, ed. Anthropological studies of human fertility. Detroit, Wayne State Univ Press, 1976. GN 241 S989a 1975.
Voluntary sterilization of the mentally retarded. pp. 267–84. Baron CH.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.
Psychologic and psychiatric aspects of voluntary sterilization. pp. 277–82. Bernstein I.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
The increasing acceptance of sterilization in the U.S. pp. 104–11. Bumpass L.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Staffing patterns for voluntary sterilization programs – needs, training, and utilization. pp. 327–31. Clyman M.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
The role of the voluntary organization in encouraging use of voluntary sterilization in family planning and population programs. pp. 187–93. Cutler JC.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
The acceptability of voluntary sterilization – sociological, political, and religious aspects. pp. 283–8. Fortier L.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
How to establish a voluntary organization and its role in voluntary sterilization. pp. 292–6. Freeman RE Jr.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Motivation and education in voluntary sterilization programs. 2. pp. 322–6. Gillespie D.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
The organization and administration of voluntary sterilization service programs. pp. 305–8. Hinds S.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Sterilization and other family planning methods in the People's Republic of China. pp. 124–32. Katagiri T.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Evaluation of a sterilization program. pp. 200–11. Kessel E.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Voluntary sterilization program statistics – collection and evaluation. pp. 297–304. Kessel E.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Constitution and by–laws for a National Association for Voluntary Sterilization. pp. 359–66. Morgan RE Jr.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Current practice of sterilization in Thailand. pp. 367–73. Muangman D, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Evidence relating to acceptability of sterilization in Puerto Rico. pp. 112–23. Nine Curt J.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Keynote address: voluntary sterilization as a component of a family planning program. pp. 12–20. Pai DN.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
The legal aspects of voluntary sterilization. pp. 273–6. Pilpel HF.
In: Schima ME, et al., ed. Advances in voluntary

sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Motivation and education in voluntary sterilization programs. 1. pp. 314–21. Pion R.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Current status of sterilization in the world – prevalence, incidence, who, and where. pp. 97–103. Potts M.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Effects of surgical contraception on sexual behavior. pp. 161–6. Rodgers DA, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

The economics of voluntary sterilization for the parent and for the nation. pp. 151–60. Simmons GB.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Research approaches to new sterilization technology. pp. 389–446. Speidel JJ, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973. (266 ref.)

Planning and implementation of a voluntary sterilization service. pp. 213–7. Tamayo F.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

A prospective investigation of voluntary sterilization. pp. 167–85. Thiery M, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Sterilization: its socio–cultural and ethical determinants. pp. 138–50. Veatch RM.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Factors influencing a national policy on sterilization. pp. 133–7. Wedderburn CC.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Role of sterilisation in the program of family planning. Bhardwaj KS, et al. **Indian J Med Sci** 28(12):537–9, Dec 74

Letter: Bio–aestheticians. Holder AR. **Inquiry** 6(4):4, Aug 76

Studies on the mating competition of gamma–irradiated and non–irradiated males of melon fruit fly (Dacus cucurbitae). Ahmed CR. **Int J Appl Radiat Isot** 26(6–7):407–9, Jun–Jul 75

Potential for control of Cadra cautella (Walker) by release of fully or partially sterile males. Brower JH, et al. **Int J Appl Radiat Isot** 26(12):720–5, 1975

The use of 'fast' neutrons and gamma radiation to sterilize the tsetse fly Glossina tachinoides Westw. Offori ED, et al. **Int J Appl Radiat Isot** 26(5):257–60, May 75

Editorial: The sense of Tunis: report from abroad. Keith L. **Int Surg** 61(4):199–200, Apr 76

Study of Title 19 (Medicaid) coverage of sterilization. Wallace HM, et al. **J Am Med Wom Assoc** 31(5):183–9, May 76

Focus: current issues in medical ethics. Child sterilization. **J Med Ethics** 1(4):163–7, Dec 75

Editorial: Sterilization. Campbell AV. **J Med Ethics** 1(4):161–2, Dec 75

Scope and limitation of camp approach to female sterilization. Bhatt RV, et al. **J Reprod Med** 15(3):103–8, Sep 75

Letter: Elective hysterectomy. Myers L. **JAMA** 236(13):1453, 27Sep 76

Editorial: Sterilisation of handicapped minors. **Lancet** 2(7930):352–3, 23 Aug 75

Population control in Australia today: contraception, sterilization and abortion. Leeton J. **Med J Aust** 2(17):682–5, 25 Oct 75

May hospitals prohibit abortions and sterilizations? Turpin JA. **Med Leg Bull** 24(9):1–9, Sep 75

By the London post. Private rights and the public good – sterilization of minors – comment or report? Lister J. **N Engl J Med** 293(22):1135–7, 27 Nov 75

How doctors in Bolivia and the Philippines view sterilization. MacCorquodale DW, et al. **Stud Fam Plann** 6(12):426–8, Dec 75

[Can sterilization be regarded from the legal aspect as irreversible contraception? (author's transl)] Kvíz D, et al. **Cesk Gynekol** 40(10):716–7, Dec 75 **(Cze)**

[Selection of women for sterilization in the district of Tachov] Zantovský S. **Cesk Gynekol** 40(6):470–1, Jul 75 **(Cze)**

[Guideline of 19 March 1976 concerning sterilization] **Ugeskr Laeger** 138(20):1246–54, 10 May 76 **(Dan)**

[Letter: Proposed bill about ambulatory sterilization of men] Gad P. **Ugeskr Laeger** 138(14):899, 29 Mar 76 **(Dan)**

[Male and female sterilization compared. A retrospective sociological study] Kristiansen JE, et al. **Ugeskr Laeger** 138(6):380–1, 2 Feb 76 (Eng. Abstr.) **(Dan)**

[Special problems of sterilization for social indication and as a favor] Spann W. **Geburtshilfe Frauenheilkd** 36(3):197–9, Mar 76 **(Ger)**

[Letter: Legality of sterilization by consent. Concluding remarks] Spann W. **Geburtshilfe Frauenheilkd** 36(4):295–6, Apr 76 **(Ger)**

[Letter: Legality of sterilization by consent. A comment] Willie R, et al. **Geburtshilfe Frauenheilkd** 36(4):293–5, Apr 76 **(Ger)**

[Forensic psychiatric aspects of sterilization] Mende W. **Munch Med Wochenschr** 118(28):909–12, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Mental acceptance of surgical contraception by man and wife] Petersen P. **Munch Med Wochenschr** 118(28):917–22, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Catamnestic investigations on sterilized women] Wille R. **Munch Med Wochenschr** 118(28):913–6, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Female sterilization. Retrospective evaluation and perspectives in the central area of Santiago, Chile] Herrera M, et al. **Rev Chil Obstet Ginecol** 40(2):61–71, 1975 **(Spa)**

[Free and voluntary sterilization] **Lakartidningen** 72(51):5046–50, 17 Dec 75 **(Swe)**

[Insufficient grounds for performing sterilizations] **Lakartidningen** 72(49):4878, 3 Dec 75 **(Swe)**

ADVERSE EFFECTS

Sterilization of women: an examination of late complications. Egdell RW, et al. **Del Med J** 48(5):261–6, May 76

Hysteroscopic sterilization: complications in 296 cases. pp. 148–52. Israngkun C, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Letter: Late complications of sterilisation by laparoscopy. Chamberlain G, et al. **Lancet** 2(7940):878, 1 Nov 75

Letter: Late complications of sterilisation. Liu DT, et al. **Lancet** 1(7949):42, 3 Jan 76

Late complications of sterilisation by laparoscopy and tubal ligation. A controlled study. Neil JR, et al. **Lancet** 2(7937):699–700, 11 Oct 75

METHODS

Chemical sterilization: effects of a single high dose of 3–chloro–1,2–propanediol on the testes and epididymides of dog. Dixit VP, et al. **Acta Eur Fertil** 6(1):57–62, Mar 75

The effects of chemical occlusion of vas deferens on the testicular function of dog: a preliminary study. Dixit VP, et al. **Acta Eur Fertil** 6(4):348–53, Dec 75

Current aspects of sterilization. The selection and application of various surgical methods of sterilization. Little WA. **Am J Obstet Gynecol** 123(1):12–8, 1 Sep 75

A practical method for reversible sterilization in women. pp. 229–37. Augusto Camelo A, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Female sterilization. pp. 241–8. Evans TN.
In: Moghissi KS, Evans TN, ed. Regulation of human fertility. Detroit, Wayne State Univ Press, 1976. W3 HA292 1973r.

Recent advances in female sterilization (endoscopy). pp. 249–73. Hulka JF.
In: Moghissi KS, Evans TN, ed. Regulation of human fertility. Detroit, Wayne State Univ Press, 1976. W3 HA292 1973r. (38 ref.)

Male new technique. Current status of reversible vas occlusion. pp. 76–85. Lee HY.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Sterilization of women: a review of new and potentially reversible techniques. pp. 62–9. Sciarra JJ Jr.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973. (15 ref.)

An overview of research on new sterilization technology. pp. 194–9. Speidel JJ, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Effects of intravasal nylon thread on the spermatozoa & reproductive organs in rats. Poddar AK, et al. **Indian J Exp Biol** 13(1):1–3, Jan 75

Sterilization at laparoscopy. Curtis EM. **J Med Assoc Ga** 61(2):39–40, Feb 72

Female sterilization via minilaparotomy. Dassenaike GS, et al. **J Reprod Med** 17(2):119–24, Aug 76

Cesarean hysterectomy for sterilization. Schneider GT, et al. **J Reprod Med** 15(3):117–8, Sep 75

Letter: Sterilisation. **Lancet** 2(7942):982, 15 Nov 75

Female sterilization. An overview. Richart RM, et al. **Major Probl Obstet Gynecol** 8:81–101, 1975 (44 ref.)

Removal of the normal uterus. Foster HW Jr. **South Med J** 69(1):13–5, Jan 76

[Culdoscopic sterilization] Phuong VT. **J Gynecol Obstet Biol Reprod (Paris)** 4(1):133–9, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Possibilities of temporary sterilization of the female] Thomsen K. **Arch Gynaekol** 219(1–4):43–4, 18 Nov 75 **(Ger)**

[Attempts at sterilizing boars. A preliminary report] Coring J. **Dtsch Tieraerztl Wochenschr** 82(11):455–6, 5 Nov 75 **(Ger)**

[Surgical procedures for sterilization of the women: certainty—complications (author's transl)] Hirsch HA. **Geburtshilfe Frauenheilkd** 36(4):297–307, Apr 76 (Eng. Abstr.) **(Ger)**

[Operative procedures for male sterilization (author's transl)] Schmiedt E. **Geburtshilfe Frauenheilkd** 36(3):200–7, Mar 76 (Eng. Abstr.) **(Ger)**

[Legal bases of surgical sterilization of men and women in the German Federal Republic] Spann W. **Geburtshilfe Frauenheilkd** 35(7):501–3, Jul 75 **(Ger)**

[Methods of sterilization of the female. Possibilities of hysteroscopic sterilization] Lindemann HJ. **Munch Med Wochenschr** 118(28):903–6, 9 Jul 76 (Eng. Abstr.) **(Ger)**

VETERINARY

Chemical sterilization of male dogs after a single intra–testicular injection of 'Danazol'. Dixit VP, et al. **Folia Biol (Krakow)** 23(3):305–10, 1975

STERILIZATION, TUBAL

Study correlating endometrial biopsies and vaginal cytology in one hundred tubectomized women. Mehta P. **Acta Cytol (Baltimore)** 19(4):330–3, Jul–Aug 75

Tubal surgery. Report of 101 cases with special reference to the experience of the surgeon. Fjällbrant B. **Acta Obstet Gynecol Scand** 54(5):463–7, 1975

CO2 hysteroscopy: diagnosis and treatment. Lindelmann HJ, et al. **Am J Obstet Gynecol** 124(2):129–33, 15 Jan 76

Letter: Sterilization guidelines. Rakow RW. **Am J Obstet Gynecol** 126(2):298–9, 15Sep 76

Incidental tubal ligation with Falope Ring Applicator at the time of cholecystectomy. Richards BC. **Am J Obstet Gynecol** 124(6):658, 15 Mar 76

'Pentazepam' (pentazocine + diazepam) supplementing local analgesia for laparoscopic sterilization. Aldrete JA, et al. **Anesth Analg (Cleve)** 55(2):177–81, Mar–Apr 76

Effect of sterilization on menstrual blood loss. Kasonde JM, et al. **Br J Obstet Gynaecol** 83(7):572–5, Jul 76

Sterilization: a review of 98 sterilized women. Enoch MD, et al. **Br J Psychiatry** 127:583–7, Dec 75

Outpatient laparoscopic sterilisation. Brash JH. **Br Med J** 1(6022):1376–7, 5 Jun 76

Letter: Outpatient laparoscopic sterilisation. Bristow TR. **Br Med J** 2(6030):298, 31 Jul 76

Comparison between laparoscopic sterilization and tubal ligation. Hughes G, et al. **Br Med J** 3(5984):637–9, 13 Sep 75

Tubal pregnancies following postpartum sterilization. Sivanesaratnam V, et al. **Fertil Steril** 26(9):945–6, Sep 75

Potential acceptance of tubal ligation among clinical groups of women in Skopje–Yugoslavia, 1973 (218 cases). Antonovski A, et al. **God Zb Med Fak Skopje** 20:501–6, 1974

Culdoscopic sterilization: our experience with 1000 cases performed as an outpatient procedure in Singapore. pp. 220–5. Chen C, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Pelvic inflammatory disease in contraceptive acceptors disclosed at transvaginal tubal sterilization. pp. 397–9. Phaosavasdi S, et al.
In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North–Holland, 1975. W3 IN182AI 1974a.

Male and female sterilization. pp. 1–40.
In: Kleinman RL, ed. Male and female sterilization. London, International Planned Parenthood Federation, 1973. HQ 767.7 I101m 1973.

Male and female sterilization. pp. 1–39.
In: Kleinman RL, ed. Male and female sterilization. London, International Planned Parenthood Federation, 1976. W3 I355 1975m.

Puerperal tubal ligation. pp. 30–5. Aguero O, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Female sterilization – clinical aspects. 1. pp. 249–54. Gold EM.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Present attitude towards female sterilization and projected attitude in the next genenration of Kenyan women. pp. 354–8. Mati JK, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Female sterilization – clinical aspects. 2. pp. 255–9. Piotrow PT.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Development and implementation of a sterilization program: India as an example. pp. 218–28. Purandare BN.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Sterilization procedures – their role in national family planning programs. pp. 374–82. Rosenfield AG, et al.
In: Schima ME, et al., ed. Advances in voluntary

sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Voluntary sterilization in Taiwan area, Republic of China. pp. 447–53. Wang CM.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Transcervical tubal occlusion. pp. 225–9. Dafoe CA.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Quinacrine-induced tubal occlusion. pp. 200–7. Davidson OW.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Silastic: a retrievable custom-molded oviductal plug. pp. 259–71. Erb RA.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (18 ref.)

Transcervical fallopian tube blockage with gelatin-resorcinol-formaldehyde (GRF). pp. 208–15. Falb RD, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Review of clinical experience with hysteroscopic sterilization. pp. 153–61. Lindemann HJ, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

International applicability, acceptance and implementation of female sterilization. pp. 2–10. Lubell I, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

A randomized study of outpatient tubal sterilization by mini-laparotomy and laparoscopy. pp. 126–32. Meyer JH Jr, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Mini-laparotomy for interval female sterilization. pp. 112–9. Osathanondh V.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Hysteroscopic sterilization: follow-up of 800 cases. pp. 162–8. Quinones R, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Bipolar electrosurgery for laparoscopic sterilization. pp. 24–9. Rioux JE, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Mini-laparotomy as an ambulatory procedure. pp. 133–7. Sarria C.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Needed research to improve female sterilization technology. pp. 274–80. Speidel JJ, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (27 ref.)

Methyl cyanoacrylate (MCA) for tubal occlusion. pp. 216–24. Stevenson TC.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Mini-laparotomy for tubal sterilization. pp. 120–5. Stevenson TC.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

The past, present, and future use of the laparoscope in female sterilization. pp. 30–6. Wheeless CR Jr.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Peritoneal reactions with some of the tubal occlusive agents. Nair RK, et al. **Indian J Exp Biol** 13(6):558–60, Nov 75

A retrospective study of 800 families: tubectomised vasectomised under the family planning programme. Reddy SV, et al. **Indian Pediatr** 12(9):899–902, Sep 75

Clinical conference: Abortion and sterilization. **J Med Ethics** 1(1):45–8, Apr 75

A model countrywide teaching program. Chaturachinda K. **J Reprod Med** 16(4):191–4, Apr 76

Tubal healing following laparoscopic electrocoagulation. Fishburne JI Jr, et al. **J Reprod Med** 16(3):129–34, Mar 76

Puerperal laparoscopic sterilization. Mueller RL, et al. **J Reprod Med** 16(6):307–9, Jun 76

Choosing a sterilization procedure: laparoscopic tubal sterilization. Yuzpe AA. **J Reprod Med** 15(3):119–22, Sep 75

Tubectomy by paraprofessional surgeons in rural Bangladesh. Chowdhury S, et al. **Lancet** 2(7935):567–9, 27 Sep 75

Letter: Tubal pregnancy and failed sterilisation. Smith AM. **Lancet** 2(7946):1207, 13 Dec 75

Puerperal sterilisation: comparison of the use of local anaesthesia and epidural lumbar anaesthesia. Peng WW, et al. **Med J Malaysia** 29(4):293–8, Jun 75

The application of lidocaine to the fallopian tubes during tubal fulguration by laparoscopy. Pelland PC. **Obstet Gynecol** 47(4):501–2, Apr 76

[Loss of fertility in woman from the forensic aspect (author's transl)] Veselý K. **Cesk Gynekol** 40(10):717, Dec 75 **(Cze)**

[The present practice of tubal ligation in West German university departments of obstetrics and gynaecology (author's transl)] Kunz S, et al. **Geburtshilfe Frauenheilkd** 35(12):928–31, Dec 75 (Eng. Abstr.) **(Ger)**

[The psychological results of tubal ligation as definitive method of contraception (author's transl)] Kunz S, et al. **Geburtshilfe Frauenheilkd** 36(1):68–72, Jan 76 (Eng. Abstr.) **(Ger)**

[Mechanical contraception and future fertility] pp. 309–63. Marchesi F, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)

ADVERSE EFFECTS

Injury to the ureter during laparoscopic tubal sterilization. Irvin TT, et al. **Arch Surg** 110(12):1501–3, Dec 75

Comparison between laparoscopic sterilization and tubal ligation. Hughes G, et al. **Br Med J** 3(5984):637–9, 13 Sep 75

The relative risks of sterilization alone and in combination with abortion. Edström KG. **Bull WHO** 52(2):141–8, 1975 (45 ref.)

A review of complications of laparoscopic sterilization. pp. 37–47. Wortman JS.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (30 ref.)

Delayed small bowel perforation following laparoscopic tubal cauterization. Sivanesaratnam V. **Int Surg** 60(10):560–1, Oct 75

Significance of radiologic evidence of free air following laparoscopy. Farooqui MO, et al. **J Reprod Med** 16(3):119–25, Mar 76

Editorial: Late complications of female sterilisation. **Lancet** 1(7959):573–4, 13 Mar 76

Letter: Menstrual loss after tubal ligation. Alderman B. **Lancet** 2(7943):1039–40, 22 Nov 75

Letter: Infarction of fallopian tube after tubal diathermy. Cordiner JW, et al. **Lancet** 1(7970):1178, 29 May 76

Letter: Late complications of tubal ligation. Darwish DH, et al. **Lancet** 2(7942):975, 15 Nov 75

Late complications of sterilisation by laparoscopy and tubal ligation. A controlled study. Neil JR, et al. **Lancet** 2(7937):699–700, 11 Oct 75

Letter: Ectopic gestation after two sterilisation procedures. Rocker I. **Lancet** 1(7963):803–4, 10 Apr 76

[Role of gynecologic disorders caused by tubal ligations in psychosomatic gynecology] Amor B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):352–4, 1972 **(Fre)**

[Organic changes and pain after laparoscopic tubal sterilization] Herms V, et al. **Fortschr Med** 93(32):1623–7, 13 Nov 75 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Two new laparoscopic instruments: bipolar sterilizing forceps and uterine manipulator. Corson SL. **Am J Obstet Gynecol** 124(4):434–6, 15 Feb 76

Spring clip sterilization: one-year follow-up of 1,079 cases. Hulka JF, et al. **Am J Obstet Gynecol** 125(8):1039–43, 15 Aug 76

Sterilization by spring clip: a report of 1000 cases with a 6-month follow-up. Hulka JF, et al. **Fertil Steril** 26(11):1122–31, Nov 75

Reversibility of clip sterilization. Hulka JF, et al. **Fertil Steril** 26(11):1132–4, Nov 75

Spring clip tubal occlusion: a report of the first 400 cases. Kumarasamy T, et al. **Fertil Steril** 26(11):1116–21, Nov 75

The potential of intratubal devices. pp. 226–8. Steptoe PC.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Laparoscopic sterilization using miniaturized equipment: a needle-puncture technique. pp. 100–5. Bhiwandiwala P.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

A steerable hysteroscope and mechanical tubal occlusive devices. pp. 182–96. Brueschke EE, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (38 ref.)

Uterotubal ceramic plugs. pp. 176–81. Craft I.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Technology for mechanical fallopian tube-blocking devices. pp. 239–52. Free MJ, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975. (11 ref.)

Hysteroscopic implantation of uterotubal junction blocking devices. pp. 169–75. Hosseinian AH, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Spring clip sterilization: one year follow-up of 1000 cases. pp. 51–8. Hulka JF.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

The potential use of intratubal stents for reversible sterilization. pp. 91–9. Steptoe PC.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Preliminary report—the needlescope as a gynecologic endoscope. Williams PP. **J Reprod Med** 16(1):29–30, Jan 76

Letter: Modified laryngoscope for female sterilisation. **Lancet** 2(7985):575, 11 Sep 76

A modified laryngoscope for female sterilisation. Lind T, et al. **Lancet** 2(7981):347, 14 Aug 76

METHODS

Tubal sterilization via laparoscopy and hysteroscopy. Neuwirth RS. **Acta Eur Fertil** 6(3):265–9, Sep 75

Comparison of culdoscopic and laparoscopic tubal sterilization. Koetsawang S, et al. **Am J Obstet Gynecol** 124(6):601–6, 15 Mar 76

Hysterosalpingographic follow-up of laparoscopic sterilization. Sheikh HH. **Am J Obstet Gynecol** 126(2):181–5, 15Sep 76

An inexpensive laparoscopy system for female sterilization. Wheeless CR Jr. **Am J Obstet Gynecol** 123(7):727–33, 1 Dec 75

Laparoscopic sterilization in the immediate puerperium. Aranda C, et al. **Arch Gynaekol** 220(4):301–6, 29 Apr 76

Letter: Sterilisation: Laparoscopy or laparotomy? **Br Med J** 4(5990):227–8, 25 Oct 75

Letter: Comparison between laparoscopic sterilization and tubal ligation. Hutchins CJ, et al. **Br Med J** 3(5986):764, 27 Sep 75

Letter: Methods of laparoscopic sterilisation. Lieberman B, et al. **Br Med J** 4(5988):103–4, 11 Oct 75

Laparoscopic sterilization with electrocautery, spring-loaded clips, and Silastic bands: technical problems and early complications. Brenner WE, et al. **Fertil Steril** 27(3):256–66, Mar 76

Female sterilization – basic science aspects. pp. 260–6. Ansbacher R.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Culdoscopic tubal ligation in India. pp. 50–4. Dawn CS.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Device and technique for blocking the fallopian tubes: a method for reversible contraceptive sterilization. pp. 336–7. Erb RA, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Experience of outpatient laparoscopic sterilization in Nepal. pp. 36–41. Giri K.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

The improvement of the uterine cornual coagulation technique. pp. 346–51. Hayashi M, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Current methods of female sterilization – an overview. pp. 27–9. Laufe LE.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Female sterilization by culdoscopy: an effective, simple, and inexpensive method. pp. 55–61. Pacheco-Mena M.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

Vaginal sterilization. pp. 42–9. Soonawala RP.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

A comparison of laparoscopic tubal occlusion by cautery, spring-loaded clip and tubal ring. pp. 69–90. Kessel E, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Oviduct occlusion following implantation of Proplast. pp. 253–8. Malinak LR, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Advances in female sterilization techniques. Preface. pp. xix–xx. Ravenholt RT.
In: Sciarra JJ, et al., ed. Advances in female sterilization

techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

The laparoscopic Falope-Ring procedure. pp. 59-68. Yoon I, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.

Changing methods of sterilization as influenced by laparoscopy. Hirsch HA, et al. **J Reprod Med** 16(6):325-8, Jun 76

A simple technique of laparoscopic tubal sterilization. Marik JJ, et al. **J Reprod Med** 15(3):109-13, Sep 75

Gynecologic laparoscopy in 1975. Phillips J, et al. **J Reprod Med** 16(3):105-17, Mar 76

Laparoscopic sterilization with a spring-loaded clip. Lieberman B, et al. **Proc R Soc Med** 69(2):143-4, Feb 76

Advances in laparoscopic sterilisation techniques. Steptoe PC. **S Afr Med J** 49(48):2019-21, 12 Nov 75

Early complications of sterilization in women not recently pregnant. Brenner WE, et al. **Surg Gynecol Obstet** 140(1):69-74, Jan 75

[Diathermical tubal coagulation via laparoscope] Kruyver GP. **Ned Tijdschr Geneeskd** 119(31):1212-6, 2 Aug 75 (Eng. Abstr.) **(Dut)**

['Economical' approaches to the Fallopian tubes. Their use for tubal sterilization] Dargent D.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):341-3, 1972 **(Fre)**

[Per-laparoscopic tubal electrocoagulation with radiologic control] Girard Y, et al.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):343-5, 1972 **(Fre)**

[Contraception by vaginal approach and clip placement on the tubes] Osstovar K, et al.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):345-8, 1972 **(Fre)**

[First experiences with a new thermoprobe for transuterine tubal sterilization] Drühl S, et al. **Arch Gynaekol** 219(1-4):39-40, 18 Nov 75 **(Ger)**

[Copoceliotomy for diagnosis, therapy, tubal sterilization] Nölke EL. **Arch Gynaekol** 219(1-4):258-9, 18 Nov 75 **(Ger)**

[Low-tension-current coagulation as a sterilization method under hysteroscopic control] Rimkus V, et al.
Arch Gynaekol 219(1-4):40-1, 18 Nov 75 **(Ger)**

[Tubal sterilization using low-tension current] Semm K. **Arch Gynaekol** 219(1-4):41-3, 18 Nov 75 **(Ger)**

[Letter: Transvaginal tubal sterilization] Kepp R.
Dtsch Med Wochenschr 101(29):1109, 16 Jul 76 **(Ger)**

[Laparoscopic tubal sterilization. Methods, indications, results of 500 interventions] Scharlau L. **Med Welt** 27(31):1469-72, 30 Jul 76 **(Ger)**

[Sterilization during puerperium (author's transl)] Semm K. **Z Geburtshilfe Perinatol** 180(3):167-82, Jun 76 (Eng. Abstr.) **(Ger)**

[Sterilization by laparoscopic route] Garcá Flores R.
Ginecol Obstet Mex 38(226):99-104, Aug 75 (Eng. Abstr.) **(Spa)**

[Tubal occlusion with hysteroscopic control] Quiñones Guerrero R, et al. **Ginecol Obstet Mex** 38(229):331-44, Nov 75 (Eng. Abstr.) **(Spa)**

[Tubal sterilization] Quiroz N, et al. **Ginecol Obstet Mex** 37(224):383-9, Jun 75 (Eng. Abstr.) **(Spa)**

[Transcervical sterilization by means of fulguration of the uterine horn. Preliminary report] Salinas Benavides H, et al. **Ginecol Obstet Mex** 39(232):101-4, Feb 76 (Eng. Abstr.) **(Spa)**

[Female sterilization by laparoscopy] Uribe Ramirez LC, et al. **Ginecol Obstet Mex** 38(226):105-11, Aug 75 (Eng. Abstr.) **(Spa)**

UTILIZATION

Tubal ligations on general service patients seen by peer-level family planning counselors in thirty New York City voluntary and municipal hospitals. Daily EF, et al.
Am J Obstet Gynecol 123(6):656-8, 15 Nov 75

STERNOCLAVICULAR JOINT

Letter: Synovial cyst of sternoclavicular joint as mediastinal mass. Grelier JM, et al. **Ann Intern Med** 83(4):525-6, Oct 75

Sternoclavicular joint enlargement following block dissection. Lamb CE. **Br J Surg** 63(6):488-92, Jun 76

Letter: Primary gout affecting the sternoclavicular joint. Currey H. **Br Med J** 1(6009):583-4, 6 Mar 76

Primary gout affecting the sternoclavicular joint. Sant GR, et al. **Br Med J** 1(6004):262, 31 Jan 76

PATHOLOGY

Degenerative disease in the temporomandibular, metatarsophalangeal and sternoclavicular joints. An autopsy study. Kopp S, et al. **Acta Odontol Scand** 34(1):23-32, 1976

RADIOGRAPHY

[X-ray picture of supernumerary bones and other bone formations in the area of the sternoclavicular joint] Fedoseev VA. **Vestn Rentgenol Radiol** (3):37-9, May-Jun 75 **(Rus)**

SURGERY

Reconstructive surgical procedures in osteoarthritis of the shoulder. pp. 258-65. Conaty JP.
In: Symposium on Osteoarthritis. St. Louis, Mosby, 1976. WE 348 S989s 1974.

Sternoclavicular dislocation. **Lancet** 2(7933):491, 13 Sep 75

[Cardiac tamponade caused by Kirschner wire] Bartek I, et al. **Orv Hetil** 116(52):3064-7, 28 Dec 75 **(Hun)**

STERNOCOSTAL JOINTS see under **RIBS**

STERNUM

Picture of the month: Mumps with presternal edema. Gellis SS, et al. **Am J Dis Child** 130(4):417-8, Apr 76

Sternal osteomyelitis and mediastinitis after open-heart operation: pathogenesis and prevention. Weinstein RA, et al. **Ann Thorac Surg** 21(5):442-4, May 76

The evolution of pre-sternal keloids. Abdel-Fattah AM. **Br J Plast Surg** 29(1):56-8, Jan 76

Pyarthrosis of the manubriosternal joint. Glushakow AS, et al. **Clin Orthop** (114):214-5, Jan-Feb 76

[Plasmacytic sarcoma of the sternum and parenchymatous nodules of the lung] Cappelaere P, et al. **Lille Med** 20(9):834-7, Nov 75 **(Fre)**

[Sterno-costo-clavicular hyperostosis (author's transl)] Kutzner J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):446-9, Nov 75 (Eng. Abstr.) **(Ger)**

[A mesenchymal chondrosarcoma of the sternum] Pirschel J. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):91-3, Jan 76 **(Ger)**

[Sterno-costo-clavicular hyperostosis--a previously not described disease picture] Köhler H, et al.
Verh Dtsch Ges Inn Med 81:986-9, 1975 **(Ger)**

[Solitary histiocytosis focus of the sternum] Costa V, et al. **Arch De Vecchi Anat Patol** 59(3):395-403, Apr 74 **(Ita)**

[Resection of chondrosarcoma of the sternum with restoration of the thoracic wall. Report of a case] Bartolomucci AC, et al. **Rev Assoc Med Bras** 21(9):273-7, Sep 75 (Eng. Abstr.) **(Por)**

[Extensive osteochondroma of the sternum] Saarancha SD, et al. **Khirurgiia (Mosk)** (9):134-5, Sep 75 **(Rus)**

[Postoperative chondritis and osteomyelitis of the ribs and sternum] Gorelov FI, et al. **Vestn Khir** 116(3):18-22, Mar 76 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of a histological study of the bone marrow obtained from the sternum using an aspirator] Bláha M, et al. **Voen Med Zh** (1):76-8, Jan 76 **(Rus)**

ABNORMALITIES

A case of congenital bifid sternum. Lal KB, et al.
Scand J Thorac Cardiovasc Surg 9(3):291-2, 1975

[Sternal malformations in ancient and modern times: contribution to a comparative study] Fedeli M.
Med Secoli 12(2):269-78, May-Aug 75 **(Ita)**

ANATOMY & HISTOLOGY

Scanning electron micrographs of cancellous bone from the human sternum. Whitehouse WJ. **J Pathol** 116(4):213-24, Aug 75

[Sex differences in the human sternum] Rother P, et al.
Gegenbaurs Morphol Jahrb 121(1):29-37, 1975 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Vascularization of the human adult sternum (author's transl)] Sick H, et al. **Arch Anat Histol Embryol (Strasb)** 57(2):197-220, 1974 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Distribution of granulopoietic activity in the human skeleton, studied by colony growth in agar diffusion chambers. Gordon MY, et al. **Br J Haematol** 32(4):537-42, Apr 76

EMBRYOLOGY

[Role of the somitic mesoderm in the development of the rib cage of bird embryos. I. Origin of the sternal component and conditions for the development of the ribs (author's transl)] Chevallier A. **J Embryol Exp Morphol** 33(2):291-311, Apr 75 (Eng. Abstr.) **(Fre)**

[Ancestral rudiments in the morphogenesis of the sternal manubrium in man] Klima M. **Verh Anat Ges** 69:793-7, 1975 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Nonsuppressible insulin-like activity and thyroid hormones: major pituitary-dependent sulfation factors for chick embryo cartilage. Froesch ER, et al.
Proc Natl Acad Sci USA 73(8):2904-8, Aug 76

INJURIES

[Transport fractures of the sternum (author's transl)] Kalný J, et al. **Acta Chir Orthop Traumatol Cech** 42(5):459-66, Oct 75 (Eng. Abstr.) **(Cze)**

[Complications of the sternal puncture (author's transl)] Kühböck J. **Med Klin** 71(13):550-3, 26 Mar 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Endotracheal tube placement in infants determined by suprasternal palpation: a new technique. Bednarek FJ, et al. **Pediatrics** 56(2):224-9, Aug 75

[Biomechanic study of sternal movements in adult man (author's transl)] Constantinesco A.
Arch Anat Histol Embryol (Strasb) 57(2):153-96, 1974 (Eng. Abstr.) **(Fre)**

[Study of the vital activity of isolated sternum during artificial circulation and conditions of cardio-pulmonary complex] Demidov VP, et al. **Eksp Khir Anesteziol** (2):17-21, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Comparative evaluation of bone marrow hematopoiesis in the dog sternum and iliac bone following nonuniform proton irradiation with different absorbed doses] Kalandarova MP. **Radiobiologiia** 15(6):905-8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Psoriatic lesion of the sternal synchondrosis. Kormano M, et al. **Acta Radiol [Diagn] (Stockh)** 16(5):463-8, Sep 75

Radiographic changes in children following cardiac surgery performed by splitting the sternum. McCormick TL, et al. **Radiology** 118(1):141-3, Jan 76

[Method for radiography of the sternum] Finkel'shtein SI. **Vestn Rentgenol Radiol** (3):39-42, May-Jun 75 **(Rus)**

SURGERY

Major complications of median sternotomy. Grmoljez PF, et al. **Am J Surg** 130(6):679-81, Dec 75

Sternal staple: simple and rapid device for closure of median sternotomy. Al-Naaman YD, et al. **Ann Thorac Surg** 21(2):170-1, Feb 76

A modified sternal retractor. Ancalmo N, et al.
Ann Thorac Surg 21(2):174, Feb 76

Peristernal closure of median sternotomy using stainless steel bands. Kalush SL, et al. **Ann Thorac Surg** 21(2):172-3, Feb 76

Clamp for wire closure of sternum. Korompai FL, et al.
Ann Thorac Surg 21(3):249, Mar 76

Simplified lateral chest incision for most thoracotomies other than sternotomy. Mitchell R, et al. **Ann Thorac Surg** 22(3):284-6, Sep 76

Median sternotomy wound infection and anterior mediastinitis caused by bacteroides fragilis. Cerat GA, et al. **Chest** 69(2):231-2, Feb 76

Cardiac tamponade complicating closure of a median sternotomy. Lee ME, et al. **Chest** 70(1):84-6, Jul 76

Chylothorax after median sternotomy for intrapericardial cardiac surgery. Joyce LD, et al.
J Thorac Cardiovasc Surg 71(3):476-80, Mar 76

Haemostasis and healing following median sternotomy. Brightmore TG, et al. **Langenbecks Arch Chir** Suppl:39-41, 1975

Resection and reconstruction of the sternum: case report. Beltrami V, et al. **Thorax** 31(3):350-3, Jun 76

[An instrument for suturing the sternum] Zunzov I.
Khirurgiia (Sofiia) 27(5):437-8, 1974 **(Bul)**

[13-month follow-up result of a 5-kilo gram sternal chondroma treated by resection and silastic prosthesis] Spay G, et al. **Ann Chir Plast** 20(1):75-8, 1975 (Eng. Abstr.) **(Fre)**

[5 kg sternal chondroma, treated by resection and silastic prosthesis. Satisfactory result] Spay G, et al.
J Chir (Paris) 111(4):477-82, Apr 76 (Eng. Abstr.) **(Fre)**

[Parietal repair after sternectomy for tumor] Champault G. **Nouv Presse Med** 4(38):2727-8, 8 Nov 75 **(Fre)**

[Closure of surgical wound by a wire following sternotomy] Nakagawa A, et al. **Jpn J Thorac Surg** 29(4):263, 1976 **(Jpn)**

[Sternotomy in operations on the thymus (method prevention and treatment of wound infection)] Gadzhiev SA, et al. **Grudn Khir** (4):92-7, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

STEROID HYDROXYLASES

ANALYSIS

A simplified assay of 4-methyl sterol oxidase of liver microsomes. Brady DR, et al. **Anal Biochem** 70(2):413-23, Feb 76

New assay for pregnenolone and progesterone 17alpha-hydroxylase based on the specific substitution of a tritium situated on carbon 17. Kremers P. **Eur J Biochem** 61(2):481-6, 15 Jan 76

Rat-liver cholesterol 7 alpha-hydroxylase. 1. Development of a new assay based on the enzymic exchange of the tritium located on the 7 alpha position of the substrate. Van Cantfort J, et al. **Eur J Biochem** 55(1):23-31, 16 Jun 75

[Cholesterol 7alpha-hydroxylase activity of the rat liver after hypophysectomy and administration of hypophyseal hormones (author's transl)] Schriefers H, et al.
Experientia 32(1):18-9, 15 Jan 76 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Testosterone production by isolated rabbit follicles in the presence of luteinizing hormone and inhibitors of steroidogenic enzymes. YoungLai EV.
Acta Endocrinol (Kbh) 82(3):637-43, Jul 76

Isolation of an inhibitor of 25-hydroxyvitamin D3-1-hydroxylase from rat serum. Botham KM, et al.

Biochemistry 15(10):2130–5, 18 May 76
Effect of large doses of 131I–19–iodocholesterol on metapyralone–induced adrenal cortical hyperplasia in dogs. Anderson BG, et al. **J Nucl Med** 16(10):928–32, Oct 75
The inhibition by ADP of NADPH–supported adrenal steroid 11beta–hydroxylation. Moustafa AM, et al. **Proc Soc Exp Biol Med** 152(2):246–8, Jun 76

BIOSYNTHESIS

Formation and some factors influencing the activity of progesterone hydroxylases by Aspergillus niger. Abdel–Fattah AF, et al. **Acta Biol Acad Sci Hung** 26(1–2):43–9, 1975
Induction of 16alpha–hydroxylase in cultured human lymphocytes. Muijsson IE, et al. **Biochem Genet** 13(7–8):501–9, Aug 75

DEFICIENCY

Congenital adrenal hyperplasia caused by defect in steroid 21–hydroxylase. Establishment of definitive urinary steroid excretion pattern during first weeks of life. Shackleton CH. **Clin Chim Acta** 67(3):287–98, 15 Mar 76
Male pseudohermaphroditism with hypertension due to a 17alpha–hydroxylation deficiency. Tourniaire J, et al. **Clin Endocrinol (Oxf)** 5(1):53–61, Jan 76
A test for heterozygocity of 21–hydroxylase deficiency: preliminary report. Homoki J, et al. **Hum Genet** 32(1):35–41, 15 Apr 76
Normal gestation and diminished androgen responsiveness in an untreated patient with 21–hydroxylase deficiency. Leichter SB, et al. **J Clin Endocrinol Metab** 42(3):575–82, Mar 76
Pregnenolone, 17–OH–pregnenolone, and testosterone in plasma of patients with congenital adrenal hyperplasia. McKenna TJ, et al. **J Clin Endocrinol Metab** 42(5):918–25, May 76
Adrenocortical hydroxylase deficiencies in acne vulgaris. Rose LI, et al. **J Invest Dermatol** 66(5):324–6, May 76
Studies in a phenotypic female with 17–alpha–hydroxylase deficiency. Kershnar AK, et al. **J Pediatr** 89(3):395–400, Sep 76
[Congenital virilization in a newborn girl of a mother with adrenogenital syndrome due to 21–hydroxylase deficiency] Ferrante L. **Minerva Pediatr** 28(22):1443–4, 23 Jun 76 **(Ita)**
[Corticoadrenal congenital hyperplasia with loss of salts due to 21–hydroxylase deficiency. Presentation of a personal observation] Gandullia E, et al. **Minerva Pediatr** 28(22):1437–42, 23 Jun 76 **(Ita)**

METABOLISM

Sodium periodate, sodium chlorite, and organic hydroperoxides as hydroxylating agents in steroid hydroxylation reactions catalyzed by adrenocortical microsomal and mitochondrial cytochrome P450. Gustafsson JA, et al. **Arch Biochem Biophys** 174(2):440–53, Jun 75
Sources of reducing equivalents for the microsomal steroid 21–hydroxylation in isolated rat adrenal cells. Haksar A, et al. **Arch Biochem Biophys** 173(1):121–4, Mar 76
Spironolactone and cytochrome P–450: impairment of steroid 21–hydroxylation in the adrenal cortex. Menard RH, et al. **Arch Biochem Biophys** 173(2):395–402, Apr 76
Demonstration of a cytochrome P–450–dependent steroid 15beta–hydroxylase in Bacillus megaterium. Berg A, et al. **Biochem Biophys Res Commun** 66(4):1414–23, 27 Oct 75
Sodium periodate, sodium chloride, organic hydroperoxides, and H2O2 as hydroxylating agents in steroid hydroxylation reactions catalyzed by partially purified cytochrome P–450. Hrycay EG, et al. **Biochem Biophys Res Commun** 66(1):209–16, 2 Sep 75
Mutant forms of cytochrome P–450 controlling both 18– and 11beta–steroid hydroxylation in the rat. Rapp JP, et al. **Biochemistry** 15(6):1235–42, 23 Mar 76
Estrogen biosynthesis and 1beta–hydroxylation using C19 and 19–nor steroid precursors. Ganguly M, et al. **Biochim Biophys Acta** 431(2):326–34, 27 May 76
Characterization of microsomal methyl sterol demethylase in two Morris hepatomas. Williams MT, et al. **Cancer Res** 36(2 Pt 1):291–7, Feb 76
The intratesticular localization of cytochrome P–450 and cytochrome P–450–dependent enzymes in the rat testis. Menard RH, et al. **Endocrinology** 97(6):1587–92, Dec 75
Influence of adrenalectomy, castration, and light cycle on steroid hydroxylase activity in the adult male rat liver. Schafer SJ, et al. **Endocrinology** 97(5):1294–9, Nov 75
Enzymatic oxidation and reduction of C19–delta5–3beta–hydroxysteroids by hepatic microsomes. V. Testosterone as a neonatal determinant in rats of the 7– and 16alpha–hydroxylation and reduction of 3beta–hydroxyandrost–5–en–17–one (DHA). Tabei T, et al. **Endocrinology** 97(2):418–24, Aug 75
Hepatic 15–hydroxylation of corticosteroids in the rat. Substrate specificity studied in the isolated perfused liver. Eriksson H. **Eur J Biochem** 64(2):573–81, 1 May 76
Hydroxylation of testosterone at carbons 1, 2, 6, 7, 15 and 16 by the hepatic microsomal fraction from adult female C57BL/6J mice. Ford HC, et al. **Eur J Biochem** 57(1):9–14, 1 Sep 75
The involvement of cytochrome P–450 in hepatic microsomal steroid hydroxylation reactions supported by sodium periodate, sodium chlorite, and organic hydroperoxides. Hrycay EG, et al. **Eur J Biochem** 61(1):43–52, 2 Jan 76
Cholesterol 7alpha–hydroxylase. 2. Biochemical properties and participation of endogenous cholesterol in the assay in vitro. Van Cantfort J, et al. **Eur J Biochem** 55(1):33–40, 16 Jun 75
Influence of a chronic administration of diethylnitrosamine on the relation between specific tissular and division functions in the rat liver. Van Cantfort J, et al. **Eur J Cancer** 11(8):531–6, Aug 75
The effect of portacaval transposition of hepatic cholesterol–7alpha–hydroxylase activity in the rat. Boyd GS, et al. **FEBS Lett** 64(2):435–9, 1 May 76
25–Hydroxylation of 1alpha–hydroxyvitamin D3 in vivo and in perfused rat liver. Fukushima M, et al. **FEBS Lett** 65(2):211–4, 1 Jun 76
Sodium periodate, sodium chlorite, and organic hydroperoxides as hydroxylating agents in hepatic microsomal steroid hydroxylation reactions catalyzed by cytochrome P–450. Hrycay EG, et al. **FEBS Lett** 56(1):161–5, 1 Aug 75
Steroid 21–hydroxylase activity in the ovary of the snake Storeria dekayi during pregnancy. Colombo L, et al. **Gen Comp Endocrinol** 28(4):403–12, Apr 76
Evidence of an enzymatic 17alpha leads to 21 hydroxyl transfer in the biosynthesis of cortexolone from 17alpha–hydroperoxyprogesterone by adrenal cortex microsomes. Tan L, et al. **Horm Res** 6(4):213–25, 1975
Stimulation of 25–hydroxyvitamin D3–1alpha–hydroxylase by phosphate depletion. Baxter LA, et al. **J Biol Chem** 251(10):3158–61, 25 May 76
Characterization of a cytochrome P–450–dependent steroid hydroxylase system present in Bacillus megaterium. Berg A, et al. **J Biol Chem** 251(9):2831–8, 10 May 76
An in vitro study of vitamin D2 hydroxylases in the chick. Jones G, et al. **J Biol Chem** 251(1):24–8, 10 Jan 76
Enzymic studies on adrenocortical deoxycorticosterone 11beta–hydroxylase system. Mitani F, et al. **J Biol Chem** 250(20):8010–5, 25 Oct 75
Isolation of chick renal mitochondrial ferredoxin active in the 25–hydroxyvitamin D3–1alpha–hydroxylase system. Pedersen JI, et al. **J Biol Chem** 251(13):3933–41, 10 Jul 76
Microbiological hydroxylation. Part XXI. Hydroxylations of 3–halogeno–17–oxo–, 3–halogeno–7–oxo–, and 17–halogeno–3–oxo–androstanes by the fungi Calonectria decora, Rhizopus nigricans, and Aspergillus ochraceus. Jones ER, et al. **J Chem Soc [Perkin I]** (22):2308–12, 1975
A convenient biological synthesis of 19–hydroxy(4–14C)4–androstene–3,17–dione from (4–14C)4–androstene–3,17–dione with sow ovarian 19–hydroxylase. Kautsky MP, et al. **J Chromatogr** 114(2):472–5, 26 Nov 75
Specific metabolic pathways of steroid sulfates in human liver microsomes. Einarsson K, et al. **J Clin Endocrinol Metab** 43(1):56–63, Jul 76
Steroid 17alpha–hydroxylase activity in normal and cancerous endometria. Hustin J, et al. **J Clin Endocrinol Metab** 41(2):419–21, Aug 75
Evidence for partial 21–hydroxylase deficiency among heterozygote carriers of congenital adrenal hyperplasia. Lee PA, et al. **J Clin Endocrinol Metab** 41(2):415–8, Aug 75
11 beta–Hydroxylase with affinity to C–21–Deoxysteroids from ovaries of patients with polycystic ovary syndrome. Maschler I, et al. **J Clin Endocrinol Metab** 41(06):999–1002, Dec 75
Hepatic 7alpha–hydroxylation of cholesterol in ascorbate–deficient and ascorbate–supplemented guinea pigs. Björkhem I, et al. **J Lipid Res** 17(4):360–5, Jul 76
On the heterogeneity of the mitochondrial C27–steroid 26–hydroxylase system. Gustafsson J. **J Lipid Res** 17(4):366–72, Jul 76
The use of [7alpha–3H]– and [7alpha, 7beta–3H]cholesterol in the enzymic assay of cholesterol 7alpha–hydroxylase. Johnson DB, et al. **J Lipid Res** 17(4):353–9, Jul 76
Effects of ACTH on steroid C–21 hydroxylation in rat adrenal glands. De Nicola AF. **J Steroid Biochem** 6(8):1219–22, Aug 75
The presence of 6beta–steroid hydroxylase in human cornea. Gallegos AJ, et al. **J Steroid Biochem** 7(2):135–7, Feb 76
Studies of 11beta–hydroxylation by beef adrenal mitochondria. Hudson RW, et al. **J Steroid Biochem** 7(4):255–62, Apr 76
Steroid 11beta–hydroxylase activity in the microsomal fraction of human adrenals. Klein A, et al. **J Steroid Biochem** 7(4):283–7, Apr 76
Progesterone and pregnenolone 17 alpha–hydroxylase: substrate specificity and selective inhibition by 17 alpha–hydroxylated products. Kremers P. **J Steroid Biochem** 7:571–5, Aug 76
7–Hydroxylation of dehydroepiandrosterone in human amniotic epithelium. Sulcová J, et al. **J Steroid Biochem** 7(2):101–4, Feb 76
Studies on the 12alpha and 26–hydroxylation of bile alcohols by rabbit liver microsomes. Nicolau G, et al. **Lipids** 11(2):148–52, Feb 76
Effect of prolactin on vitamin D metabolism. Spanos E, et al. **Mol Cell Endocrinol** 5(3–4):163–7, Aug–Sep 76
Control of renal vitamin D hydroxylases in birds by sex hormones. Tanaka Y, et al. **Proc Natl Acad Sci USA** 73(8):2701–5, Aug 76
[Proceedings: Changes of microsomal 4–5 steroid reductase activity in the rat liver through alcohol administration] Bode C, et al. **Z Gastroenterol** 14(2):233–4, Mar 76 **(Ger)**
[Steroid dehydrogenases of the salivary glands] Lucheroni A, et al. **Riv Istochim Norm Patol** 18(1–4):141, 1974 **(Ita)**

PHYSIOLOGY

Rat–liver cholesterol 7alpha–hydroxylase. 3. New results about its circadian rhythm. Gielen J, et al. **Eur J Biochem** 55(1):41–8, 16 Jun 75

STEROID ISOMERASES see under **ISOMERASES**

STEROIDS

Structural requirements for the action of steroids as quenchers of albumin fluorescence. Romeu AM, et al. **Biochim Biophys Acta** 409(3):376–86, 17 Dec 75
Steroid structure and steroid activity. Elks J. **Br J Dermatol** 94 suppl 12:3–13, Mar 76
Isolation and partial characterization of steroid glycosides from the starfish Acanthaster planci. Fleming WJ, et al. **Comp Biochem Physiol [B]** 53(3):267–72, 1976
Quantitation of chemical and biological effects in steroids by Hansch–type and molecular orbital calculations. Wolff ME, et al. **Experientia** suppl 23:31–5, 1976
Chemistry of steroid–protein conjugate formation. pp. 33–46. Kellie AE, et al. **In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.**
Rm values of steroids as an expression of their lipophilic character in structure–activity studies. Biagi GL, et al. **J Med Chem** 18(9):873–83, Sep 75
Steroids and the practical aspects of performing binding studies. Buller RE, et al. **J Steroid Biochem** 7(5):321–6, May 76
Conformational studies of steroids: correlations with biological data. Duax WL, et al. **J Steroid Biochem** 6(3–4):195–200, Mar–Apr 75 (17 ref.)
Reduction of certain steroidal 19–sulfonic esters with metal hydrides. Santaniello E, et al. **J Steroid Biochem** 7(3):223–7, Mar 76
Inhibitive effects of structurally modified azasteroids and related nitrogen containing steroids on insect growth and development. Thompson MJ, et al. **Lipids** 10(10):615–22, Oct 75
Physiological aspects of steroids with anaesthetic properties. Holzbauer M. **Med Biol** 54(4):227–42, Aug 76
Crystal structure of steroids: molecular conformation and biological function. Duax WL, et al. **Recent Prog Horm Res** 32:81–116, 1976 (49 ref.)
Scatchard plots: common errors in correction and interpretation. Chamness GC, et al. **Steroids** 26(5):538–42, Oct 75
Synthesis of steroidal cyclophosphamides. Foster EL, et al. **Steroids** 27(3):353–60, Mar 76

ADMINISTRATION & DOSAGE

Longacting steroid preparations. Vermeulen A. **Acta Clin Belg** 30(1):48–55, 1975
Letter: Penetration of topical steroid preparations. Lee SS, et al. **Arch Dermatol** 112(2):261, Feb 76
Letter: Inhalation technique in treatment of asthmatic children with steroid aerosols. Edmunds AT, et al. **Br Med J** 1(6001):97, 10 Jan 76
Drug–delivery systems and the biological activity of steroids. Van Der Vies J. **J Steroid Biochem** 6(3–4):215–20, Mar–Apr 75 (12 ref.)
Letter: Steroid therapy and the adrenals. Bloom A. **Lancet** 2(7936):659, 4 Oct 75

ADVERSE EFFECTS

On the attempt to establish a model on steroid–induced osteoporosis in bones of rats. Naghavi M, et al. **Acta Med Iran** 18(3–4):175–93, 1975
Resolving the 'public health dilemma' of steroid contraception and its effects on lactation. Rosa FW. **Am J Public Health** 66(8):791–2, Aug 76
Incidence of stress ulcer formation associated with steroid therapy in various shock states. Jama RH, et al. **Am J Surg** 130(3):328–31, Sep 75
Letter: Steroid injections. **J Sports Med** 2(1):57–8, Jan–Feb 74
The incidence of adverse reactions from steroid/antiinfective combinations. Bettman JW, et al. **Surv Ophthalmol** 20(4):281–90, Jan–Feb 76 (121 ref.)
Iatrogenic glaucoma. Drance SM. **Trans Ophthalmol Soc NZ** 27:27–8, 1975
[Steroids] pp. 351–3. Krüskemper HL. **In: Gerok W, Sickinger K, ed. Drugs and the liver. Stuttgart, Schattauer, 1975. W3 FR446 1973d.** **(Ger)**

ANALYSIS

Radio gas chromatography of steroid metabolites by collection of radioactive fractions on thin layer chromatography plates. Derks HJ, et al. **Anal Biochem** 73(2):391–6, Jun 76
Tert–butyl dimethylsilyl ethers as derivatives for qualitative analysis of steroids and prostaglandins by gas phase methods. Kelly RW, et al. **Anal Chem** 48(3):465–7, Mar 76
Radioimmunoassay and saturation analysis. Steroids. Jeffcoate SL. **Br Med Bull** 30(1):50–4, Jan 74
UV–absorbing materials eluted from plastic equipment while

collecting rabbit ovarian venous blood. Cook B. **Endocrinology** 97(2):479–80, Aug 75

Enzyme- and viroimmunoassay of steroids. Discussion. pp. 199–206.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Viroimmunoassay of steroids: method and principles. pp. 189–98. Andrieu JM, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

(75Se)-Radioligands in steroid immunoassay. pp. 177–82. Chambers VE, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Automation and data processing for radioimmunoassays. pp. 293–330. Cook B.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Preparation and behaviour of 125I-labelled radioligands for phenolic and neutral steroids. pp. 141–52. Hunter WM, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Steroid immunoassay--problems and potential. pp. 1–4. James VH.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

The use of (3H)-labelled ligands in steroid radioimmunoassays. pp. 133–40. Jeffcoate SL, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Enzyme-labelled immunoassays for steroids. pp. 183–8. Landon J, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Antisera copolymerized with acrylamide. pp. 243–50. Loriaux DL, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Critical factors in the standardization of steroid radioimmunoassay. pp. 27–63. Rosa U, et al.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

Study on the efficiency of support-coated open-tubular columns for steroid analysis. Deelder RS, et al. **J Chromatogr** 119:99–107, 28 Apr 76

High-pressure liquid chromatography of steroidal alkaloids. Hunter IR, et al. **J Chromatogr** 119:223–6, 28 Apr 76

Adsorption of free steroids with charcoal-gelatin disks in radioimmunoassays. Saba N. **J Endocrinol** 70(1):141–6, Jul 76

Proceedings: Neutral steroids in gall-bladder bile of male cats. Taylor W. **J Endocrinol** 68(3):39P–40P, Mar 76

Radioimmunoassay of steroids in biological fluids. Abraham GE. **J Steroid Biochem** 6(3–4):261–70, Mar–Apr 75 (35 ref.)

Mass fragmentography as reference method in clinical steroid assay. Breuer H, et al. **J Steroid Biochem** 6(5):685–8, May 75

Assessment of reliability of steroid radioimmunoassays. Cekan Z. **J Steroid Biochem** 6(3–4):271–5, Mar–Apr 75 (13 ref.)

Analysis of steroids by liquid-gel chromatography and computerized gas chromatography-mass spectrometry. Sjövall J. **J Steroid Biochem** 6(3–4):227–32, Mar–Apr 75 (42 ref.)

Steroid sulphates in human adult testicular steroid synthesis. Vihko R, et al. **J Steroid Biochem** 6(3–4):353–6, Mar–Apr 75

Steroidal sapogenins from Trigonella occulta. Jain SC. **Lloydia** 39(4):244–5, Jul–Aug 76

Steroids and an artifact from Dioscorea deltoidea tissue cultures. Marshall JG, et al. **Lloydia** 39(1):84–5, Jan–Feb 76

Reliability criteria for steroid radioimmunoassay. Abraham GE. **Pathol Biol (Paris)** 23(10):885–8, Dec 75

Use of (3H) and (125I) tracers in steroid radioimmunoassays. Jeffcoate SL. **Pathol Biol (Paris)** 23(10):903–5, Dec 75

Steroid t-butyldimethylsilyl ethers as derivatives for mass fragmentography. Phillipou G, et al. **Steroids** 26(4):516–24, Oct 75

A review of radioimmunoassay for steroids. Nieschlag E, et al. **Z Klin Chem Klin Biochem** 13(7):261–71, Jul 75

[Radioimmunoassay of synthetic steroids] Raynaud JP, et al. **Pathol Biol (Paris)** 23(10):895–901, Dec 75 (Eng. Abstr.) **(Fre)**

[The steroid-alkaloid and sapogenin content of Solanum torvum] Döpke W, et al. **Pharmazie** 29(11):755, 1975 **(Ger)**

[The alkaloid and steroid sapogenin content of Solanum globiferum] Döpke W, et al. **Pharmazie** 31(2):133–4, 1976 **(Ger)**

[Determination of the steroid saponins in the onion (Allium albiflorus) that grows in Azerbaijan] Ismailov AI, et al. **Farmatsiia** 25(2):17–20, 1976 (Eng. Abstr.) **(Rus)**

[Study of the triterpenoids and steroids of the marsh hedge nettle] Ross SA, et al. **Farm Zh** 30(3):91–2, 1975 **(Ukr)**

ANTAGONISTS & INHIBITORS

[Decrease in cholesterol after administration of an antisteroid urinary extract in mice, rats and rabbits] Damian E, et al. **Stud Cercet Endocrinol** 23(5):315–20, 1972 **(Rum)**

[Action of anti-steroid urinary substances on cholesterol in rats] Damian E, et al. **Stud Cercet Endocrinol** 23(4):249–52, 1972 **(Rum)**

[Preparation and partial purification of anti-steroid substances from the urine of children] Damian E, et al. **Stud Cercet Endocrinol** 23(4):259–62, 1972 **(Rum)**

BIOSYNTHESIS

Effect of ascorbic acid on ACTH-induced cyclic AMP formation and steroidogenesis in isolated adrenal cells of vitamin E-deficient rats. Nathans AH, et al. **Biochim Biophys Acta** 399(2):244–53, 13 Aug 75

Choleragen stimulates steroidogenesis and adenylate cyclase in cells lacking functional hormone receptors. Wolff J, et al. **Biochim Biophys Acta** 413(2):283–90, 1 Dec 75

Endotoxic lipopolysaccharides stimulate steroidogenesis and adenylate cyclase in adrenal tumor cells. Wolff J, et al. **Biochim Biophys Acta** 413(2):291–7, 1 Dec 75

Therapy of dimethylbenzanthracene-induced mammary carcinomas in the rat by selective inhibition of steroidogenesis. Levin JM, et al. **Cancer** 38(1):56–61, Jul 76

Steroid formation and differentiation of cortical cells in tissue culture of human fetal adrenals in the presence and absence of ACTH. Kahri AI, et al. **Endocrinology** 98(1):33–41, Jan 76

Steroidogenesis in vitro in the harp seal (Pagophilus groenlandicus) without and with methyl mercury treatment in vivo. Freeman HC, et al. **Environ Physiol Biochem** 5(6):428–39, 1975

Foetal steroidogenesis. pp. 109–15. Telegdy G.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Recent advances in the morphology, histochemistry, and biochemistry of steroid-synthesizing cellular sites in the nonmammalian vertebrate ovary. Guraya SS. **Int Rev Cytol** 44:365–409, 1976 (221 ref.)

Transmembrane potentials and steroidogenesis in normal and neoplastic human adrenocortical tissue. Lymangrover J, et al. **J Clin Endocrinol Metab** 41(4):697–706, Oct 75

Control of oestrogen production in human pregnancy: effect of trophic hormones on steroid biosynthesis by the foetal adrenal gland in vitro. Isherwood DM, et al. **J Endocrinol** 68(02):321–9, Feb 76

Proceedings:Steroid and prostaglandin F concentration in human corpora lutea in relation to luteolysis. Shutt DA, et al. **J Reprod Fertil** 46(2):528, Mar 76

Steroid production by the isolated rabbit ovarian follicle. Younglai EV. **J Reprod Fertil** 45(3):575–82, Dec 75

Effect of prostaglandins on steroid biosynthesis. Batta SK. **J Steroid Biochem** 6(6):1075–80, Jun 75 (74 ref.)

Mechanisms and interactions in testicular steroidogenesis and prostaglandin synthesis. Ellis LC, et al. **J Steroid Biochem** 6(6):1081–90, Jun 75

Steroidogenesis and extracellular cAMP accumulation in adrenal tumor cell cultures. Schimmer BP, et al. **Mol Cell Endocrinol** 4(4):263–70, Mar 76

Molecular aspects of the biosynthesis of adrenal steroids. Simpson ER, et al. **Pharmacol Ther [B]** 2(2):339–69, 1976 (169 ref.)

BLOOD

Plasma steroid and protein hormone concentrations in patients with prostatic carcinoma, before and during oestrogen therapy. Harper ME, et al. **Acta Endocrinol (Kbh)** 81(2):409–26, Feb 76

High-resolution gas chromatography of plasma steroidal hormones and their metabolites. Novotny M, et al. **Anal Chem** 48(3):468–72, Mar 76

Improved extraction of steroid hormones from the blood plasma of the domestic fowl (Gallus domesticus) using light petroleum at elevated temperatures. Culbert J. **Analyst** 101(1202):391–9, May 76

Method for the quantitation of steroids in umbilical cord plasma. Schindler AE, et al. **Endocrinol Exp (Bratisl)** 9(3):205–14, Sep 75

Steroids in umbilical cord plasma from normal term deliveries. Schindler AE, et al. **Endokrinologie** 65(1):80–90, Feb 75

Effects of toxaphene on hepatic enzyme induction and circulating steroid levels in the rat. Peakall DB. **Environ Health Perspect** 13:117–20, Feb 76

Proceedings: Multiple steroid immunoassay in the study of the role of oestrogens in the human adrenarche. Anderson DC. **Horm Res** 6(5–6):295–7, 1975

Levels of estriol, estriol sulfate, progesterone, and neutral steroid mono- and disulfates in umbilical cord arterial and venous plasma. pp. 255–66. Laatikainen T, et al.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Criteria for the selection of steroid assays in the assessment of fetoplacental function. pp. 20–35. Klopper A.
In: Klopper A, ed. Plasma hormone assays in evaluation of fetal wellbeing. Edinburgh, Churchill Livingstone, 1976. QY 330 P715 1975.

Peripheral steroid levels in a patient with virilizing adrenal adenoma. Chakmakjian ZH, et al. **Obstet Gynecol** 46(5):544–8, Nov 75

Peripheral steroid levels in a patient with congenital absence of the uterus. Chang RJ, et al. **Obstet Gynecol** 46(3):320–22, Sep 75

Ovarian and peripheral venous steroids in XY gonadal dysgenesis and gonadoblastoma. McDonough PG, et al. **Obstet Gynecol** 47(3):351–5, Mar 76

Relation of steroids and prostaglandin at vaginal delivery and cesarean section. Pokoly TB, et al. **Obstet Gynecol** 46(5):577–80, Nov 75

[Method of rapid separation of free, sulfoconjugated and glucuronoconjugated fractions of plasma steroids] Goertz G, et al. **Ann Biol Clin (Paris)** 33(1):41–4, 1975 (Eng. Abstr.) **(Fre)**

[Influence of gestoses on serum steroid concentrations in mother and infant during and after labor] Leyendecker G, et al. **Arch Gynaekol** 219(1–4):423–5, 18 Nov 75 **(Ger)**

IMMUNOLOGY

Proceedings: Studies on feedback control mechansims by active immunisation with steroids. Nieschlag E. **Horm Res** 6(5–6):292–3, 1975

Radiolabelled ligands for steroid radioimmunoassay. Discussion. pp. 165–76.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Chemistry of steroid haptens. Discussion. pp. 47–60.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Production of steroid antisera. Discussion. pp. 123–32.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Steroid antisera. Discussion. pp. 79–86.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Characterization of anti-steroid antisera. pp. 67–78. Abraham GE.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Steroid antibody immunoadsorbents. pp. 257–76. Bolton AE, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

The active immunisation of intact adult rats against steroid-protein conjugates: effects on circulating hormone levels and related physiological processes. pp. 97–110. Hillier SG, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Preparation of antigenic steroid-protein conjugates. pp. 11–32. Kohen F, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Production of steroid antisera in rabbits. pp. 87–96. Nieschlag E, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Factors influencing the specificity of antibodies to steroid hormones. pp. 61–6. Niswender GD, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Fractionation of antisera to steroids. pp. 277–82. Rosa U, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Production of antisera to steroid hormones in sheep. pp. 111–22. Scaramuzzi RJ, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Steroid radioimmunoassay. Discussion. pp. 281–93.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

ISOLATION & PURIFICATION

Separation technics for steroid radioimmunoassay. Discussion. pp. 235–42.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Factors affecting the choice of separation technique. pp. 223–8. Collins WP, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Evaluation of two new separation techniques for steroid radioimmunoassays. pp. 229–34. Edwards CR, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Competitive protein binding assays: methods of separation of bound from free. pp. 207–22. Odell WD, et al.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Separations of some steroids, triterpenes, glycosides, bitter principles, and related compounds. pp. 45–50. Burnett RD.
In: Dixon PF, et al., ed. High pressure liquid chromatography in clinical chemistry. London, Academic Press, 1976. QD 79.C454 H638 1975.

Thin-layer chromatography of steroidal alkaloids. Hunter IR, et al. **J Chromatogr** 118(2):259–62, 17 Mar 76

The use of sephadex LH-20 column chromatography to separate unconjugated steroids. Pearson Murphy BE, et al. **J Steroid Biochem** 6(3–4):233–7, Mar–Apr 75

The use of diatomite microcolumns for the chromatographic separation of steroids prior to radioimmunoassay. Abraham GE. **Pathol Biol (Paris)** 23(10):889–93, Dec 75

METABOLISM

Microbial degradation of steroid alkaloids. Effect of nitrogen

atom in the side-chain on the microbial degradation of steroid alkaloids. Belič I, et al.
Acta Microbiol Acad Sci Hung 22(4):389–95, 1975

Steroid hormones and prolactin in human cancer. Briggs M.
Adv Steroid Biochem Pharmacol 5:xi–xvii, 1976

Steroid metabolism in adult lung. Hartiala J.
Agents Actions 6(4):522–6, Jul 76 (36 ref.)

Role of hormones in pulmonary maturation and metabolism of steroids by fetal lung. Solomon SS. **Agents Actions** 6(4):516–21, Jul 76 (36 ref.)

Effects of ethanol on bile acid and cholesterol metabolism. Nestel PJ, et al. **Am J Clin Nutr** 29(9):1007–15, Sep 76

Steroid receptors: elements for modulation of eukaryotic transcription. Yamamoto KR, et al. **Annu Rev Biochem** 45:721–46, 1976 (206 ref.)

The metabolism of steroids in the fatty liver induced by orotic acid feeding. Carrella M, et al. **Biochem J** 158(1):89–95, 15 Jul 76

Specific reductive metabolism of steroid sulphates in rat liver. Ingelman-Sundberg M. **Biochim Biophys Acta** 431(3):592–602, 22 Jun 76

On the mechanism of action of cholera toxin on isolated rat adrenocortical cells. Comparison with the effects of adrenocorticotropin on steroidogenesis and cyclic AMP output. Palfreyman JW, et al. **Biochim Biophys Acta** 404(2):221–30, 9 Oct 75

Steroid-protein interactions in nonmammalian vertebrates. II. Steroids binding proteins in the serum of amphibians; a physiological approach. Martin B, et al. **Biol Reprod** 13(4):371–80, Nov 75

The role of colon anaerobes in the metabolism of bile acids and steroids, and its relation to colon cancer. Hill MJ. **Cancer** 36(6 Suppl):2387–400, Dec 75

Effects of pesticides and related compounds on steroid metabolism and function. Kupfer D.
CRC Crit Rev Toxicol 4(1):83–124, Oct 75 (206 ref.)

In vivo steroid metabolism in primates--a review. Schubert K, et al. **Endokrinologie** 66(2):228–34, 1975

Peripheral, ovarian, and adrenal vein steroids in hirsute women: acute effects of human chorionic gonadotropin and adrenocorticotrophic hormone. Parker CR Jr, et al.
Fertil Steril 26(9):877–88, Sep 75

Steroid transformations as a biochemical feature of the genus Paecilomyces. Capek A, et al. **Folia Microbiol (Praha)** 21(1):70–2, 1976

Chemical and microbiological transformation of steroids. pp. 5–10. Woods GF.
In: Cameron EH, et al., ed. Steroid immunoassay. Cardiff, Alpha Omega, 1975. W3 TE72 1974s.

Steroid hormone receptors in human malignancy. pp. 205–18. Lippman ME.
In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.

Effects of exogenous RNA on steroid metabolism in adrenals and gonads. pp. 73–85. Villee DB, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Influence of cholesterol feeding on liver microsomal metabolism of steroids and bile acids in conventional and germ-free rats. Gustafsson BE, et al. **J Biol Chem** 250(21):8496–502, 10 Nov 75

Interaction of glucocorticoid receptor-steroid complexes with acceptor sites. Simons SS Jr, et al. **J Biol Chem** 251(2):334–43, 25 Jan 76

Effects of exogenous dehydroepiandrosterone sulphate on various enzymes and on steroid metabolism in the guinea-pig. Bergheim E, et al. **J Endocrinol** 70(1):11–7, Jul 76

The nuclear dehydrogenation of steroids by intestinal bacteria. Goddard P, et al. **J Med Microbiol** 8(3):429–35, Aug 75

A histochemical study of steroid metabolism in the equine fetus and placenta. Flood PF, et al.
J Reprod Fertil [Suppl] (23):569–73, Oct 75

Binding of steroids to uteroglobin. Beato M.
J Steroid Biochem 7(5):327–34, May 76

On the role of steroid sulfates in hormone biosynthesis. Domínguez OV, et al. **J Steroid Biochem** 6(3–4):301–9, Mar-Apr 75

The interaction of steroids with liver microsomal cytochrome P-450--a general hypothesis. Estabrook RW, et al.
J Steroid Biochem 6(3–4):419–25, Mar-Apr 75

Regulatory interactions for the control of steroid sulfate metabolism. Notation AD. **J Steroid Biochem** 6(3–4):311–6, Mar-Apr 75 (36 ref.)

Membrane bound 3beta and 17beta-hydroxysteroid dehydrogenase and its role in steroid transport in membrane vesicles of Pseudomonas testosteroni. Watanabe M, et al.
J Steroid Biochem 7(3):171–5, Mar 76

Is there an alternative to the cytoplasmic receptor model for the mechanism of action of steroids? Sheridan PJ.
Life Sci 17(4):497–502, 15 Aug 75 (68 ref.)

Cholesterol feeding affects microsomal metabolism of steroids. **Nutr Rev** 34(3):88–9, Mar 76 (11 ref.)

Steroid receptors and hormone receptivity: new approaches in pharmacology and therapeutics. Baulieu EE. **Triangle** 14(2):47–54, 1975 (47 ref.)

Steroid hormone receptors. Baulieu EE, et al.
Vitam Horm 33:649–736, 1975 (592 ref.)

[Radioactive labeling of mouse adrenal cortex for study of steroid sulfation in inner cortex zone] Garweg G, et al.
Acta Histochem (Jena) SUPPL 13:177–83, 1973 **(Ger)**

[Effect of drugs on steroid metabolism in the normal placenta] Barlas P, et al. **Arch Gynaekol** 219(1–4):280–1, 18 Nov 75 **(Ger)**

[Steroid metabolism in the ovary] Husslein H.
Hippokrates 45(4):523–5, Nov 74 **(Ger)**

[Liver and steroid hormones. The liver as a regulative organ in hormone metabolism] Kley HK, et al. **Med Klin** 71(19):799–805, 7 May 76 (47 ref.) **(Ger)**

[Effect of total gamma-irradiation on the rate of steroid hormone hydroxylation by rat liver microsomes] Khalilov EM, et al. **Biull Eksp Biol Med** 81(6):668–70, Jun 76 (Eng. Abstr.) **(Rus)**

[Hydroxylation of xenobiotics and steroids in rat liver endoplasmic reticulum] Sergeev PV, et al.
Biull Eksp Biol Med 81(3):299–301, Mar 76 (Eng. Abstr.) **(Rus)**

[Conditions for splitting protodioscine--the main glycoside from Tribulus terrestris L. by the enzymatic preparation from Aspergillus niger BKMt-33] Prepelitsa ED, et al.
Prikl Biokhim Mikrobiol 11(6):901–5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Current concepts concerning the metabolism of steroid hormones] Komisarenko VP, et al. **Fiziol Zh** 20(6):723–9, Nov-Dec 74 (69 ref.) (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

The effect of steroids on adhesiveness, rosette-forming ability and survival of cultured, human mononuclear cells. Viken KE. **Acta Pathol Microbiol Scand [C]** 84(1):5–12, Feb 76

The effect of steroids on differentiation and function of cultured, mononuclear cells. Viken KE.
Acta Pathol Microbiol Scand [C] 84(1):13–22, Feb 76

Steroidal neuromuscular blocking agents. Buckett WR.
Adv Drug Res 10:53–92, 1975 (111 ref.)

Proceedings: Effects of steriod hormones on tissue levels of prostaglandin 15-hydroxydehydrogenase in the rat. Blackwell GJ, et al. **Br J Pharmacol** 56(3):343P–344P, Mar 76

Proceedings: The effects of anti-inflammatory steroids on levels of prostaglandin in adipose tissue in vitro. Chang J, et al. **Br J Pharmacol** 56(3):342P–343P, Mar 76

Action of steroids on LH-RH provoked gonadotropin release. Spona J. **Endocrinol Exp (Bratisl)** 10(2):91–100, Jun 76

Proceedings: Pharmacokinetic/pharmacodynamic relationships for topical steroids in the vasoconstrictor test. Barry BW, et al. **J Pharm Pharmacol** 27 Suppl?–2:75P, Dec 75

The effect of local steroid injections on tendon. Unverferth LJ, et al. **J Sports Med** 1(4):31–7, 1973

Regulatory effects of steroids on the pituitary response to LH-RH. Gual C, et al. **J Steroid Biochem** 6(6):1067–74, Jun 75

Effects of androgens and related steroids on liver functions and enzymes. Nishino Y. **Pharmacol Ther [B]** 1(2):189–207, 1975 (320 ref.)

Development of a steroid anaesthetic for animals and man. Davis B. **Proc R Soc Med** 69(5):367–8, May 76

Effects of steroids upon the liver ultrastructure. Khandekar JD, et al. **Rev Can Biol** 32(2):121–35, Jun 73 (165 ref.)

Biological activity of some steroidal compounds in the adult and larval frogs. Iela L, et al. **Steroids** 26(5):663–9, Nov 75

PHYSIOLOGY

Proceedings: Physiological aspects of the hypnotic properties of steriod hormones. Holzbauer M. **Br J Pharmacol** 56(3):382P–382P, Mar 76

Mechanism of action of steroid hormones. Edelman IS.
J Steroid Biochem 6(3–4):147–59, Mar-Apr 75 (81 ref.)

[Steroid hormones: introduction] Okada K.
Clin Endocrinol (Tokyo) 23(12):1165–9, Dec 75 **(Jpn)**

THERAPEUTIC USE

Letter: Steriod therapy in acute cerebral infarction.
Arch Neurol 33(5):374–5, May 76

Prevention by steroids of cerium hepatotoxicity. Salas M, et al. **Arch Toxicol (Berl)** 35(2):115–25, 11 Mar 76

Thermographic changes following steroidal administration to patients with mammary cancer. Stoll BA.
Bibl Radiol (6):178–84, 1975

Letter: Management of acute asthma. **Br Med J** 4(5993):405–6, 15 Nov 75

Editorial: Shoulder-cuff lesions. **Br Med J** 1(6011):672–3, 20 Mar 76

Steroid therapy: still a need for answers. Abruzzo JL.
Int J Dermatol 14(7):527–9, Sep 75

Symptomatic pericardial effusion: pericardial drainage and localized steroid instillations as definitive therapy. Buselmeier TJ, et al. **Proc Clin Dial Transplant Forum** 3:55–61, 1973

Stress, hormones, and cardiovascular disease. Selye H.
Recent Adv Stud Cardiac Struct Metab 1:701–6, 1972

Tumoricidal steroids: potential cure for advanced breast and prostatic cancer. Buller RE. **Tex Med** 71(9):86–91, Sep 75

[Proceedings: Long-term therapy with steroids] Studer H, et al. **Schweiz Med Wochenschr** 105(28–29):907–10, 12 Jul 75 (Eng. Abstr.) **(Ger)**

[Glucose metabolism during steroid and biguanide therapy using tritiated glucose] Bottermann P, et al.
Verh Dtsch Ges Inn Med 81:1481–4, 1975 **(Ger)**

[Editorial: Are we using too potent steroids in the local treatment of skin diseases] Rajka G.
Tidsskr Nor Laegeforen 95(32):1867, 20 Nov 75 **(Nor)**

URINE

Congenital adrenal hyperplasia caused by defect in steroid 21-hydroxylase. Establishment of definitive urinary steroid excretion pattern during first weeks of life. Shackleton CH.
Clin Chim Acta 67(3):287–98, 15 Mar 76

Simultaneous estimation of urinary steroids by semi-automated gas chromatography. Investigation of neo-natal infants and children with abnormal steroid synthesis. Shackleton CH, et al. **Clin Chim Acta** 69(2):267–83, 1 Jun 76

18-hydroxylated steroids in human hypertension – clinical study. Genard P, et al. **Endocrinol Exp (Bratisl)** 10(1):53–8, Mar 76

Criteria for the selection of steroid assays in the assessment of fetoplacental function. pp. 20–35. Klopper A.
In: Klopper A, ed. Plasma hormone assays in evaluation of fetal wellbeing. Edinburgh, Churchill Livingstone, 1976. QY 330 P715 1975.

Urinary steroids in the measurement of aging and of atherosclerosis. Marmorston J, et al. **J Am Geriatr Soc** 23(11):481–92, Nov 75

High-resolution biomedical gas chromatography. Determination of human urinary steroid metabolites using glass open tubular capillary columns. Pfaffenberger CD, et al. **J Chromatogr** 112:581–94, 29 Oct 75

The multicomponent analysis of conjugates of neutral steroids in urine by lipophilic ion exchange chromatography and computerised gas chromatography-mass spectrometry. Setchell KD, et al.
J Steroid Biochem 7:615–29, Aug 76

[Urinary steroids in human newborn infants] pp. 267–79. Anderson RA, et al.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974. (Eng. Abstr.) **(Fre)**

[Hormonal behavior during the menstrual cycle after administration of cyclofenil] Cismigiu F, et al.
J Gynecol Obstet Biol Reprod (Paris) 3(7):997–1014, Oct-Nov 74 (Eng. Abstr.) **(Fre)**

[Systemic analysis of urinary steroids during human gestation] Begue RJ, et al. **J Steroid Biochem** 7(3):211–21, Mar 76 (Eng. Abstr.) **(Fre)**

[Urinary steroids in a virilizing corticoadrenaloma] Begue RJ, et al. **J Steroid Biochem** 7:583–91, Aug 76 (Eng. Abstr.) **(Fre)**

[A criterion for specificity of radioimmunological determination of urinary steroids] Deck KA, et al.
Verh Dtsch Ges Inn Med 81:625–7, 1975 **(Ger)**

[Characteristics of the excretion of some steroid hormones in toxicoses of the 2d half of pregnancy] Timoshenko LV, et al. **Pediatr Akush Ginekol** :43–6, May-Jun 76 **(Ukr)**

STEROIDS, BROMINATED see under **STEROIDS**

STEROIDS, CHLORINATED

CHEMICAL SYNTHESIS

Steroids. Part XXXVIII. 5-Chloro-5alpha-cholestane. Shoppee CW, et al. **J Chem Soc [Perkin I]** (22):2208–10, 1975

METABOLISM

[Breakdown of steroids. XV. Formation of 9, 10-seco-compounds from 4-chlorosubstituted steroids in Nocardia opaca] Hörhold C, et al. **J Steroid Biochem** 7(3):199–202, Mar 76 (Eng. Abstr.) **(Ger)**

STEROIDS, FLUORINATED

Letter: Topical steroid addicts. Kligman AM. **JAMA** 235(15):1550, 12 Apr 76

ADMINISTRATION & DOSAGE

Do excoriations in psoriasis delay or prevent the effect of topical treatment? Brody I. **J Cutan Pathol** 2(4):163–9, 1975

ADVERSE EFFECTS

Adverse effects of topical steroid therapy. Meenan FO.
Ir J Med Sci 144(11):415–21, Nov 75

CHEMICAL SYNTHESIS

Letter: Fluorination of saturated carbon. 2. Direct fluorination of steroids. Barton DH, et al.
J Am Chem Soc 98(10):3036–7, 12 May 76

[New methods for the preparation of 21-fluoro-steroids (author's transl)] Wieland P. **Helv Chim Acta** 59(4):1027–34, 1976 **(Ger)**

PHARMACODYNAMICS

Effect of fluorosteroids on drug response and metabolism. Kourounakis P, et al. **Biochem Pharmacol** 25(4):477–81, 15 Feb 76

STEROIDS, HETEROCYCLIC

Structure of antibiotic A 25822 B, a novel nitrogen-containing C28-sterol with antifungal properties. Chamberlin JW, et al. **J Antibiot (Tokyo)** 27(12):992–3, Dec 74

Fusicoccin. Part V. The biosynthesis of fusicoccin from (1–13C)– and (2–13tc)–acetate. Barrow KD, et al. **J Chem Soc [Perkin I]** (14):1404–5, 1975

Intramolecular catalysis. Part III. Effect of a neighbouring hydroxy–group on the opening of steroidal aziridines with azide anions. Houminer Y. **J Chem Soc [Perkin I]** (10):1037–42, 1976

Inhibitive effects of structurally modified azasteroids and related nitrogen containing steroids on insect growth and development. Thompson MJ, et al. **Lipids** 10(10):615–22, Oct 75

ANALYSIS

Steroids and related studies. XXXII. Thin–layer chromatography of some lactam, tetrazole, basic and quaternary azasteroids. Singh H, et al. **J Chromatogr** 114(1):270–3, 12 Nov 75

Syntheses and ultraviolet absorption of aza–steroids. Sharma M, et al. **Steroids** 27(2):225–34, Feb 76

CHEMICAL SYNTHESIS

Novel pyrazolo, isoxazolo, and thiazolo steroidal systems and model analogs containing dimethyoxylaryl (or dihydroxylaryl) groups and derivatives. Synthesis, spectral properties, and biological activity. Hashem MM, et al. **J Med Chem** 19(2):229–39, Feb 76

Steroid cyclicsulfites. III. Conformational and configurational aspects of steroid 3,5–cyclicsulfites. Bleile DM, et al. **Steroids** 26(1):29–45, Jul 75

An A–nor–3–thia–5beta–pregnane. Cimarusti CM, et al. **Steroids** 26(3):359–62, Sep 75

Total synthesis of diazasteroids (1). TAO IY, et al. **Steroids** 27(2):205–10, Feb 76

PHARMACODYNAMICS

Proceedings: Actions of chandonium iodide on skeletal muscle in culture. Harvey AL, et al. **J Pharm Pharmacol** 27 Suppl?–2:62P, Dec 75

Antibacterial activity of 15–azasteroids alone and in combination with antibiotics. Chesnut RW, et al. **Steroids** 27(4):525–41, Apr 76

STEROLS

Polyene antibiotic – sterol interaction. Norman AW, et al. **Adv Lipid Res** 14:127–70, 1976 (150 ref.)

Fecal steroids and bacterial flora in patients with polyposis coli. Watne AL, et al. **Am J Surg** 131(1):42–6, Jan 76

The configuration of delta5, 7, 22–sterols in a tracheophyte. Nes WR, et al. **Biochem Biophys Res Commun** 66(4):1462–6, 27 Oct 75

Lipid–sterol interactions in liposomes and membranes. de Kruyff B. **Biochem Soc Trans** 3(5):618–21, 1975

Effect of various sterols on the 22Na permeability and fluidity of phospholipid bilayer membranes. Singer MA, et al. **Can J Physiol Pharmacol** 53(6):1065–71, Dec 75

Improved methods for the oxidation of primary and secondary alcohols. Barton DH, et al. **J Chem Soc [Perkin I]** (16):1614–6, 1975

Carbon–13 nuclear magnetic resonance spectra of hydroxy steroids. Eggert H, et al. **J Org Chem** 41(1):71–8, 9 Jan 76

Roles of carbonyl oxygens at the bilayer interface in phospholipid–sterol interaction. Huang CH. **Nature** 259(5540):242–4, 22 Jan 76

[Studies in the field of chemistry, biochemistry and photobiochemistry of sterols] Vendt VP. **Ukr Biokhim Zh** 47(5):661–9, Sep–Oct 75 (30 ref.) (Eng. Abstr.) **(Rus)**

ANALYSIS

Marine sterols. III—The sterol compositions of oceanic jellyfish. The use of gas chromatographic mass spectrometric techniques to identify unresolved components. Ballantine JA, et al. **Biomed Mass Spectrom** 3(1):14–20, Feb 76

Sterols of the lobster (Homarus americanus) and the shrimp (Pandalus borealis). Gagosian RB. **Experientia** 31(8):878–80, 15 Aug 75

Fate of dietary sterols in hydrogenated oils and fats. Parodi PW. **J Am Oil Chem Soc** 52(9):345–8, Sep 75

Further data on a histochemical reaction as applied to the thin–layer chromatography of sterols. Valle LB, et al. **J Chromatogr** 115(1):183–9, 10 Dec 75

High–speed liquid chromatograhic separation of glycerides, fatty acids and sterols. Kiuchi K, et al. **J Chromatogr Sci** 13(10):461–6, Oct 75

Sterol composition of butters and margarines. Pyle CA, et al. **J Sci Food Agric** 27(3):219–24, Mar 76

Fecal steroids in polyposis coli and ileorectostomy patients. Watne AL, et al. **J Surg Res** 19(3):157–61, Sep 75

28–Isofucosterol: major sterol of a marine sponge. Erdman TR, et al. **Lloydia** 38(4):359–60, Jul–Aug 75

Sterols of scallop. Part II. Structure of unknown sterols by combination gas–liquid chromatography and mass spectrometry. Idler DR, et al. **Steroids** 27(2):155–66, Feb 76

Gas chromatographic differentiation of 4–desmethyl–, 4–monomethyl– and 4,4–dimethyl–sterols. Part II : differentiation of sterols based on deltaRAc–values on four stationary phases. Itoh T, et al. **Steroids** 26(1):93–106, Jul 75

Marine sterols. VI(1). Sterols of the scallop, Patinopecten yessoensis. Kobayashi M, et al. **Steroids** 26(5):605–24, Nov 75

Chemical studies of marine invertebrates. XVI. Structure and absolute configuration of lobosterol, a novel polyoxygenated sterol from the alcyonacean Lobophytum pauciflorum (clelenterata, octocorallia). Tursch B, et al. **Steroids** 27(1):137–42, Jan 76

[Letter: Level of skin sterol in atheroma] Bouissou H, et al. **Nouv Presse Med** 4(44):3144, 20 Dec 75 **(Fre)**

[Effect of sterol composition on the activity of transport–ATPase of the erythrocyte membrane] Seiler D, et al. **Verh Dtsch Ges Inn Med** 81:835–7, 1975 **(Ger)**

[Study of the tocopherols and sterols of certain plant oils] Nadirov NK, et al. **Prikl Biokhim Mikrobiol** 11(5):805–7, Sep–Oct 75 **(Rus)**

BIOSYNTHESIS

Effects of cholesterol derivatives on sterol biosynthesis. Chen HW, et al. **Adv Exp Med Biol** 67(00):405–417, 1976

Sterol biosynthesis in antibiotic sensitive and resistant Candida. Fryberg M, et al. **Arch Biochem Biophys** 173(1):171–7, Mar 76

Location and regulation of early enzymes of sterol biosynthesis in yeast. Trocha PJ, et al. **Arch Biochem Biophys** 174(1):45–51, May 76

Stimulation of hepatic biogenesis of sterols on administration of adenosine compounds. Rao GS, et al. **Biochem J** 154(3):639–45, 15 Mar 76

Abnormal activation of sterol synthesis in lymphocytes of atherosclerotic–susceptible pigeons and heterozygous familial hypercholesterolemic patients. Kalra VK, et al. **Biochim Biophys Acta** 441(2):334–40, 23 Aug 76

Cholesterol content and sterol synthesis in human skin fibroblasts and rat aortic smooth muscle cells exposed to lipoprotein–depleted serum and high density apolipoprotein/phospholipid mixtures. Stein O, et al. **Biochim Biophys Acta** 431(2):347–58, 27 May 76

Oxidosqualene cyclization in human placenta. An easy step of sterol biosynthesis. Tabacik C, et al. **Biochim Biophys Acta** 398(3):490–5, 19 Sep 75

Long–term regulation by theophylline of fatty acid synthetase, acetyl–CoA carboxylase and lipid synthesis in cultured glial cells. Volpe JJ, et al. **Biochim Biophys Acta** 431(2):195–205, 27 May 76

Sterol synthesis by myelinating cultures of mouse spinal cord. Pleasure D, et al. **Brain Res** 103(1):117–26, 13 Feb 76

Biosynthesis of sterols in a starfish, Laiaster leachii. Teshima SI, et al. **Comp Biochem Physiol [B]** 52(3):437–41, 15 Nov 75

On the origin of the sterols in the sea star Asterias rubens. Voogt PA, et al. **Comp Biochem Physiol [B]** 54(4):479–82, 1976

Biosynthesis of sterols by a yeast homogenate. Incorporation of mevalonic acid into cholesta–5,7,24–trien–3beta–ol and 5alpha–cholesta–7,24–dien–3beta–ol. Moreau JP, et al. **Eur J Biochem** 56(2):393–402, 15 Aug 75

Enzymatic analysis of C27 sterol–accumulating yeast strains. Bailey RB, et al. **J Bacteriol** 126(2):1012–3, May 76

The in vitro metabolism of mevalonate by sterol and non–sterol pathways. Righetti M, et al. **J Biol Chem** 251(9):2716–21, 10 May 76

Regulation of palmitic acid synthesis in cultured glial cells: effects of lipid on fatty acid synthetase, acetyl–CoA carboxylase, fatty acid and sterol synthesis. Volpe JJ, et al. **J Neurochem** 25(3):333–40, Sep 75

Sterol synthesis in the liver, intestine, and lung of the guinea pig. Turley SD, et al. **Lipids** 11(4):281–6, Apr 76

Effect of cholesterol and cholestyramine feeding and of fasting on sterol synthesis in the liver, lleum, and lung of the guinea pig. Turley SD, et al. **Lipids** 11(7):571–7, Jul 76

Adenosine 3',5'–monophosphate and the regulation of rat hepatic sterol synthesis: a reexamination based on Sutherland criteria. Bricker LA, et al. **Metabolism** 25(4):477–81, Apr 76

Relationship between sterol synthesis and DNA synthesis in phytohemagglutinin–stimulated mouse lymphocytes. Chen HW, et al. **Proc Natl Acad Sci USA** 72(5):1950–4, May 75

New bile alcohols – synthesis of (22R)– and (22S)–5beta–cholestane–3alpha,7alpha,12alpha,22,25–pento Kihira K, et al. **Steroids** 27(3):383–93, Mar 76

Proceedings: Sterol synthesis in human endothelial cells. Evensen SA, et al. **Thromb Diath Haemorrh** 34(1):330, 30 Sep 75

[Biosynthesis of sterols by various yeasts] Eliazian AA, et al. **Mikrobiologiia** 44(4):632–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD

Sterol balance in hyperlipidemic patients after dietary exchange of carbohydrate for fat. Ahrens EH Jr. **J Lipid Res** 17(2):97–106, Mar 76

Identification of beta–sitosterol, campesterol, and stigmasterol in human serum. Rao MK, et al. **Lipids** 10(9):566–8, Sep 75

[Sterols of horse erythrocytes] Apukhovska LI, et al. **Ukr Biokhim Zh** 47(2):221–5, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

CHEMICAL SYNTHESIS

A ready synthesis of 5alpha,14beta–cholest–7–en–3beta–ol. Anastasia M, et al. **J Chem Soc [Perkin I]** (4):378–80, 1976

Studies on steroids. Part XXIX. Synthesis of allenic analogues fucosterol and desmosterol. Fujimoto Y, et al. **J Chem Soc [Perkin I]** (22):2303–7, 1975

Synthesis of 5beta–cholestane–3alpha, 7alpha, 12alpha, 25–tetrol and 5beta–cholestane–3alpha, 7alpha, 245, 25–pentol. Dayal B, et al. **J Lipid Res** 17(1):74–7, Jan 76

A preparation of 3alpha–methyl–5alpha–cholestane–2beta,3beta–diol. Adinolfi M, et al. **Steroids** 26(2):169–73, Aug 75

Sterols with modified side chains. Herz JE, et al. **Steroids** 27(1):133–6, Jan 76

Synthesis of sterols with modified side chains. Sheikh YM, et al. **Steroids** 26(1):129–36, Jul 75

ISOLATION & PURIFICATION

Letter: Dinosterol, the major sterol with a unique side chain ion the toxic dinoflagellate, Gonyaulax tamarensis. Shimizu Y, et al. **J Am Chem Soc** 98(4):1059–60, 18 Feb 76

Sterols of scallop. I. Application of hydrophobic sephadex derivatives to the resolution of a complex mixture of marine sterols. Patterson GW, et al. **J Chromatogr** 115(1):153–9, 10 Dec 75

Separation of C27, C28 and C29 sterols by reversed–phase high–performance liquid chromatography on small particles. Rees HH, et al. **J Chromatogr** 116(2):281–91, 21 Jan 76

24xi–Methylcholestane–3beta, 5alpha, 6beta, 12beta, 25–pentol 25–monoacetate, a novel polyoxygenated marine sterol. Moldowan JM, et al. **Steroids** 26(1):107–28, Jul 75

[Free steroids in Metridium senile] Habermehl G, et al. **Naturwissenschaften** 63(1):42, Jan 76 **(Ger)**

METABOLISM

Fecal steroids in diarrhea. I. Acute shigellosis. Huang CT, et al. **Am J Clin Nutr** 29(9):949–55, Sep 76

Greater bile acid excretion with soy bean than with cow milk in infants. Potter JM, et al. **Am J Clin Nutr** 29(5):546–51, May 76

On the sterols of some ascidians. Voogt PA, et al. **Arch Int Physiol Biochim** 83(3):563–72, Aug 75

The effect of ileal bypass on sterol balance and plasma cholesterol in the White Carneau pigeon. Flynn KJ, et al. **Atherosclerosis** 24(1–2):75–80, Jul–Aug 76

A direct relationship between the amount of sterol lost from rat hepatocytes and the increase in activity of HMG–CoA reductase. Edwards PA, et al. **Biochem Biophys Res Commun** 68(1):64–9, 12 Jan 76

Chenodeoxycholic acid inhibits increased cholesterol and cholestanol synthesis in patients with cerebrotendinous xanthomatosis. Salen G, et al. **Biochem Med** 14(1):57–74, Sep 75

Metabolism of delta7– and delta5,7–sterols by Phytophthora cactorum. Knights BA, et al. **Biochim Biophys Acta** 441(2):341–6, 23 Aug 76

Sterol and fatty acid composition of polyene macrolide antibiotic resistant Torulopsis glabrata. Lomb M, et al. **Can J Biochem** 53(12):1309–15, Dec 75

Sterol and lipid composition of Phymactis clematis (Drayton). Munoz MO, et al. **Comp Biochem Physiol [B]** 54(2):231–2, 1976

On the fate of dietary sterols in the sea star Asterias rubens. Voogt PA, et al. **Comp Biochem Physiol [B]** 54(4):473–7, 1976

Effect of age on sterols and steryl esters in pigeon skin and aorta. Rymaszewski ZJ, et al. **Exp Gerontol** 10(6):313–7, 1975

Arterial and metabolic changes during the critical period of spontaneous sterol accumulation in pigeon aorta. Subbiah MT, et al. **Exp Mol Pathol** 24(3):287–301, Jun 76

Steroid metabolism in Bombyx mori, I. Catabolism of ponasterone A and ecdysterone in Bombyx mori. Hikino H, et al. **Hoppe Seylers Z Physiol Chem** 356(3):309–14, Mar 75

Mechanism of dehydrogenation of 5alpha–cholest–7–en–3beta–ol to cholesta–5,7–dien–3beta–ol. pp. 277–82. Caspi E, et al. **In: Paoletti R, et al., ed. Lipids. Vol 1: Biochemistry. New York, Raven Press, 1976. QU 85 I5918L 1974.**

Lipid–sterol interactions in membranes. pp. 169–79. de Kruyff B. **In: Paoletti R, et al., ed. Lipids. Vol 1: Biochemistry. New York, Raven Press, 1976. QU 85 I5918L 1974.**

Proceedings: 14beta–Cholest–5–en–3beta–0l; a model molecule in studies on the stereochemical aspects of cholesterol catabolism reactions. Galli Kienle M, et al. **Ital J Biochem** 25(2):183–4, Mar–Apr 76

Yeast sterol esters and their relationship to the growth of yeast. Bailey RB, et al. **J Bacteriol** 124(2):606–12, Nov 75

Fragility of plasma membranes in Saccharomyces cerevisiae enriched with different sterols. Hossack JA, et al. **J Bacteriol** 127(1):67–75, Jul 76

Metabolism of bile alcohols in the perfused rabbit liver. Cohen BI, et al. **J Biol Chem** 251(9):2709–15, 10 May 76

The metabolism of 3alpha, 7alpha, 12alpha–trihydorxy–5beta–cholestan–26–oic acid in two siblings with cholestasis due to intrahepatic bile duct anomalies. An apparent inborn error of cholic acid synthesis. Hanson RF, et al. **J Clin Invest** 56(3):577–87, Sep 75

Bile acids. LI. Formation of 12alpha-hydroxyl derivatives and companions from 5 alpha-sterols by rabbit liver microsomes. Ali SS, et al. **J Lipid Res** 17(4):386–92, Jul 76

Proceedings: Changes in the sterol content of sheep ovarian follicles in culture: relationship to steroidogenesis and effects of gonadotrophins. Seamark RF, et al. **J Reprod Fertil** 46(2):521, Mar 76

Effect of dietary polyunsaturated pork on plasma lipids and sterol excretion in man. Nestel PJ, et al. **Lipids** 11(1):42–8, Jan 76

Unique pathways of sterol metabolism in the Mexican bean beetle, a plant-feeding insect. Svoboda JA, et al. **Lipids** 10(9):524–7, Sep 75

Crustacean intestinal detergent promotes sterol solubilization. Lester R, et al. **Science** 189(4208):1098–100, 26 Sep 75

Identification of (23S)-5beta-cholestane-3alpha, 7alpha, 12alpha, 23, 25-pentol in cerebrotendinous xanthomatosis. Hoshita T, et al. **Steroids** 27(5):657–64, May 76

[Effects of UV-radiation of different spectral composition on content of sterols in rat skin] Datsenko ZM, et al. **Ukr Biokhim Zh** 48(1):86–8, Jan–Feb 76 **(Ukr)**

[Sterol composition of sarcolemma in normal rabbits and in experimental muscular dystrophy] Sanina OL, et al. **Ukr Biokhim Zh** 47(6):747–51, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Interaction of steptolysin O with sterols. Prigent D, et al. **Biochim Biophys Acta** 443(2):288–300, 16 Aug 76

Antagonism by sterols of the action of amphotericin and filipin on the release of potassium ions from Candida albicans and Mycoplasma mycoides subsp. capri. Archer DB, et al. **J Gen Microbiol** 90(1):187–90, Sep 75

Clostridium perfringens exotoxins. IV. Inhibition of the theta-toxin induced hemolysis by steroids and related compounds. Hase J, et al. **Jpn J Exp Med** 46(1):45–50, Feb 76

STEVENS-JOHNSON SYNDROME

The Stevens-Johnson syndrome. Taaffe AG. **Br J Clin Pract** 29(7):169–71, Jul 75

Stevens-Johnson syndrome: Twenty-three cases and their otolaryngologic significance. Nathan MD. **Laryngoscope** 85(10):1713–24, Oct 75

[Further iatrogenic aspects in dermatology] Song M. **Brux Med** 55(12):649–52, Dec 75 **(Fre)**

[Intermittent fever, skin eruption, stomatitis, coughs and phlegm formation: Stevens-Johnson syndrome] Hasegawa O, et al. **Jpn J Clin Med** Spec No:968–9, 1482–5, 10 Apr 75 **(Jpn)**

[Case of malignant erythema multiforme] Shashel' NS. **Klin Med (Mosk)** 53(6):129–30, Jun 75 **(Rus)**

[Etiology, pathogenesis, clinical picture and treatment of the Stevens-Johnson syndrome] Korolev IuF. **Vestn Dermatol Venerol** (11):23–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Case of Stevens-Johnson syndrome in a 10-year-old boy] Zefirov IuN, et al. **Vopr Okhr Materin Det** 19(2):83–5, Feb 74 **(Rus)**

CHEMICALLY INDUCED

Drug-induced febrile mucocutaneous syndrome with a survey of the literature. Böttiger LE, et al. **Acta Med Scand** 198(3):229–33, Sep 75

Stevens-Johnson syndrome from ophthalmic sulfonamide. Gottschalk HR, et al. **Arch Dermatol** 112(4):513–4, Apr 76

Stevens-Johnson syndrome following anticonvulsant therapy in penetrating head injury. Adeloye A, et al. **Ghana Med J** 10(1):56–9, Mar 71

Reactions to thiacetazone. Sarma OA. **Indian J Chest Dis** 18(1):51–5, Jan 76

[Stevens-Johnson syndrome as an early allergic reaction to diphenylhydantoin] Marg E. **Psychiatr Neurol Med Psychol (Leipz)** 28(7):436–9, Jul 76 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Correction of entropion from Stevens-Johnson syndrome: use of nasal septum and mucosa for severely cicatrized eyelid entropion. Callahan A. **Arch Ophthalmol** 94(7):1154–5, Jul 76

Bilateral corneal perforations in Stevens-Johnson syndrome. Tabbara KF, et al. **Can J Ophthalmol** 10(4):514–7, Oct 75

DRUG THERAPY

Erythema multiforme in children. Response to treatment with systemic corticosteroids. Rasmussen JE. **Br J Dermatol** 95(2):181–6, Aug 76

[Stevens-Jonson's disease treated by corticoids in pregnancy (author's transl)] Sládek M, et al. **Cesk Gynekol** 41(4):254–5, Jun 76 **(Cze)**

ETIOLOGY

Etiological factors of the Stevens-Johnson syndrome. Vanderveen TW, et al. **Am J Hosp Pharm** 32(11):1149–53, Nov 75

METABOLISM

The glycoprotein (mucus)content of tears from normals and dry eye patients. Dohlman CH, et al. **Exp Eye Res** 22(4):359–65, Apr 76

STIBOPHEN

PHARMACODYNAMICS

The effects of stibophen on phosphofructokinases and aldolases of adult filariids. Saz HJ, et al. **J Parasitol** 61(5):794–801, Oct 75

THERAPEUTIC USE

[Effectiveness of hexide and fuadine in oriental bilharziasis] Stepanov DF, et al. **Veterinariia** (9):69–70, Sep 74 **(Rus)**

STICKLEBACKS see under **FISHES**

STIFLE see under **HINDLIMB**

STIGMASTEROL see under **PHYTOSTEROLS**

STIGMATIZATION

Orthopedic injuries: illness as deviance. Jones SL. **Am J Nurs** 75(11):2030–3, Nov 75

The stigma of stuttering. pp. 297–300. Lerman JW, et al.

In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Stigmata--passion and punishment a modern case history. Copelan R. **J Am Soc Psychosom Dent Med** 22(3):85–90, 1975

Letter: Stigmatization. Hynes J. **Med J Aust** 1(10):323–4, 6 Mar 76

STILBAMIDINES

Interaction between hydroxystilbamidine and DNA. I. Binding isotherms and thermodynamics of the association. Festy B, et al. **Biochim Biophys Acta** 407(1):24–42, 12 Sep 75

Interaction between hydroxystilbamidine and DNA. II. Temperature jump relaxation study. Dynamics of nucleic acids and polynucleotides. Sturm J, et al. **Biochim Biophys Acta** 407(1):43–60, 12 Sep 75

PHARMACODYNAMICS

Effect of hydroxystilbamidine on the kinetoplast of Trypanosoma gambiense in mice. Ono T, et al. **Biken J** 18(4):257–65, Dec 75

STILBENES

The use of an optical brightener in the study of plant structure. Hughes J, et al. **Stain Technol** 50(5):319–29, Sep 75

ANALOGS & DERIVATIVES

Inhibition of oestradiol binding to oestrogen receptor proteins by a methyl-substituted analogue of tamoxifen. Abbott AC, et al. **J Endocrinol** 69(3):445–6, Jun 76

CHEMICAL SYNTHESIS

Synthesis of cyclopropyl analogs of stilbene and stilbenediol as possible antiestrogens. Magarian RA, et al. **J Pharm Sci** 64(10):1626–32, Oct 75

METABOLISM

Covalent binding of trans-stilbene to rat liver microsomes. Docks EL, et al. **Biochem Pharmacol** 24(21):1965–9, 1 Nov 75

Metabolism of trans-stilbene in rabbits and rats. Tay LK, et al. **Drug Metab Dispos** 4(2):154–63, Mar–Apr 76

Pilot trials with a fluorescent whitening agent of the bis(triazoly) stilbene-disulfonic acid type in golden orfes. Hamburger B, et al. **Environ Qual Saf [Suppl]** 4:165–73, 1975

PHARMACODYNAMICS

Effects of 2,4,3',5'-tetrahydroxystilbene on oxidative phosphorylation by rat liver mitochondria. Nimmanpisut S, et al. **Biochem Pharmacol** 25(11):1245–8, 1 Jun 76

Effects of 4-acetamido-4'-isothiocyano-2,Ⓡ-disulfonic stilbene on ion transport in turtle bladders. Ehrenspeck G, et al. **Biochim Biophys Acta** 419(3):555–8, 6 Feb 76

Effects of indomethacin and ICI 46,474 administered during ovum transport on fertility in rabbits. Hodgson BJ. **Biol Reprod** 14(4):451–7, May 76

The combined effect of nonsteroidal anti-oestrogens and sex steroids on the growth of rat uterine adenocarcinoma cells in tissue culture. Sekiya S, et al. **Br J Obstet Gynaecol** 83(3):183–6, Mar 76

Study by fluorescence microscopy of the effect of fluorescent whitening agents on the skin of mice. Luckhaus G, et al. **Environ Qual Saf [Suppl]** 4:198–202, 1975

Effect of tamoxifen (ICI 46,474) on initiation and growth of DMBA-induced rat mammary carcinomata. Jordan VC. **Eur J Cancer** 12(6):419–24, Jun 76

The effect of synthetic anti-oestrogens on the growth and biochemistry of rat mammary tumours. Nicholson RI, et al. **Eur J Cancer** 11(8):571–9, Aug 75

Sidedness of the inhibitory action of disulfonic acids on chloride equilibrium exchange and net transport across the human erythrocyte membrane. Kaplan JH, et al. **FEBS Lett** 62(2):182–5, 15 Feb 76

Experimental modification of photocarcinogenesis. I. Fluorescent whitening agents and short-wave UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):335–7, Jun 75

Experimental modification of photocarcinogenesis. II. Fluorescent whitening agents and simulated solar UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):339–42, Jun 75

Experimental modification of photocarcinogenesis. III. Simulation of exposure to sunlight and fluorescent whitening agents. Forbies PD, et al. **Food Cosmet Toxicol** 13(3):343–5, Jun 75

Proceedings: Effects of oestradiol-17 beta and ICI 46,474 on total and accessible cytoplasmic oestradiol-17 beta receptors in dimethylbenzanthracene-induced rat mammary tumours. Nicholson RI, et al. **J Endocrinol** 69(3):50P–51P, Jun 76

Proceedings: The effect of tamoxifen (ici) 46, 474) on ovarian oestrogen synthesis in the early pregnant rat. Watson J, et al. **J Endocrinol** 66(1):2P, Jul 75

Proceedings: Hormonal effects of tamoxifen in women with carcinoma of the breast. Willis KJ, et al. **J Endocrinol** 69(3):51P, Jun 76

An effect of Tamoxifen (I.C.I. 46,474) on the surface coat of the late preimplantation mouse blastocyst. Bloxham PA, et al. **J Reprod Fertil** 45(1):181–3, Oct 75

THERAPEUTIC USE

Proceedings: Hormones in breast cancer patients on tamoxifen. Golder MP, et al. **Br J Cancer** 32(2):246–7, Aug 75

Tamoxifen (ICI 46474)-clinical experience in 129 patients with advanced breast cancer. pp. 245–6. Cole MP, et al.

In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.

Breast cancer treatment by an anti-estrogen (report of 21 cases). pp. 241–4. Pommatau E, et al.
In: Namer M, Lalanne CM, ed. Hormones and breast cancer. Paris, INSERM, 1976. WP 870 H812h 1975.

Tamoxifen as an anti-tumour agent: effect on oestrogen binding. Jordan VC, et al. **J Endocrinol** 68(02):297–303, Feb 76

Tamoxifen as an anti-tumour agent: role of oestradiol and prolactin. Jordan VC, et al. **J Endocrinol** 68(02):305–11, Feb 76

Tamoxifen as an anti-tumour agent: oestrogen binding as a predictive test for tumour response. Jordon VC, et al. **J Endocrinol** 68(3):453–60, Mar 76

[Palliative treatment of metastatic breast cancer with diethyldioxystilbene diphosphate (Honvan)] Rosset G, et al. **Schweiz Med Wochenschr** 105(43):1388–90, 25 Oct 75 (Eng. Abstr.) **(Fre)**

[Further aspects of hormone therapy of metastatic breast cancer] Gorins A, et al. **Sem Hop Ther** 51(1):41–3, Jan 75 **(Fre)**

TOXICITY

Long-term toxicity of four fluorescent whitening agents. Lyman FL, et al. **Food Cosmet Toxicol** 13(5):521–7, Oct 75

STILBESTROL see **DIETHYLSTILBESTROL**

STILL'S DISEASE see **ARTHRITIS, JUVENILE RHEUMATOID**

STILLBIRTH see **FETAL DEATH**

STIMULATION, CHEMICAL

see related
ENZYME INDUCTION

A simple flow system for controlled gustatory stimulation avoiding stimulus delay or mixing. O'Mahony M. **Med Biol Eng** 12(4):567–8, Jul 74

STIMULATION, ELECTRIC see **ELECTRIC STIMULATION**

STIMULATION, PHYSICAL see **PHYSICAL STIMULATION**

STINGS see **BITES AND STINGS**

STIPPLED EPIPHYSES see **CHONDRODYSTROPHIA CALCIFICANS CONGENITA**

STOCHASTIC PROCESSES see under **PROBABILITY**

STOMACH

see related
GASTRECTOMY

Enzymatic softening and endoscopic destruction of a phytobezoar in an unoperated stomach Rozen P, et al.

Am J Gastroenterol 64(5):397–9, Nov 75

Gastrointestinal phytobezoars in Africans. Wicks AC, et al. **Am J Gastroenterol** 64(5):392–6, Nov 75

Circulatory responses and halothane concentrations during gastric or gallbladder traction with and without neuromuscular blockade. Stoelting RK, et al. **Anesth Analg (Cleve)** 55(3):388–91, May–Jun 76

Immunofluorescence studies of gastric heterotopia of the small intestine in Crohn's disease. Lechago J, et al. **Gastroenterology** 70(3):429–32, Mar 76 (26 ref.)

Relationship of bile in the stomach to gastritis. Goldner FH, et al. **Gastrointest Endosc** 22(4):197–9, May 76

Removal of gastric foreign body from a dog, using a fiberoptic endoscope. Silverstein FE, et al. **J Am Vet Med Assoc** 168(5):433–4, 1 Mar 76

The distended gastric fundus: simulation of a left suprarenal mass. Sorabella PA, et al. **J Nucl Med** 16(10):947–8, Oct 75

Removal of foreign bodies from esophagus and stomach with flexible fiberoptic panendoscopes. Christie DL, et al. **Pediatrics** 57(6):931–4, Jun 76

Fatal hairball in a long-haired hamster. Nelson WB. **Vet Med Small Anim Clin** 70(10):1193, Oct 75

[Rupture of the pylorus from a foreign body entering the stomach during eating] Marinov VS, et al. **Khirurgiia (Sofiia)** 29(1):75, 1976 **(Bul)**

[Another marble (author's transl)] Venker-van Haagen AJ. **Tijdschr Diergeneeskd** 101(5):243–4, 1 Mar 76 **(Dut)**

[Measurement of the rate of gastric emptying using the scinticamera with 99m Tc-DTPA. Reprodutibility of measurements] Brassinne A, et al. **J Belge Radiol** 59:143–9, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Trichobezoare] Hedayati EK. **Munch Med Wochenschr** 117(31):1287–8, 1 Aug 75 **(Ger)**

[Proceedings: Studies of the fundic patch method by the pH curve of the stomach and esophagus] Kawano K, et al. **Jpn Arch Intern Med** 11(4):258–60, Dec 75 **(Jpn)**

[Local hypothermia of the stomach in the treatment of pancreatic fistulas] Beliaev AA, et al. **Khirurgiia (Mosk)** (7):48–51, Jun 75 (Eng. Abstr.) **(Rus)**

[Difficulties of topical diagnosis of foreign bodies of the gastrointestinal tract] Dzhikiia AA, et al. **Khirurgiia (Mosk)** (6):68–71, Jun 75 (Eng. Abstr.) **(Rus)**

[Acute foreign bodies of the gastrointestinal tract] Grankin VE. **Khirurgiia (Mosk)** (6):124–5, Jun 75 **(Rus)**

[Indications for surgical removal of foreign bodies of the gastrointestinal tract] Makhovskiĭ VZ, et al. **Khirurgiia (Mosk)** (6):78–81, Jun 75 (Eng. Abstr.) **(Rus)**

[Surgical tactics in case of foreign bodies of the gastrointestinal tract] Nesterov SS, et al. **Khirurgiia (Mosk)** (6):71, Jun 75 (Eng. Abstr.) **(Rus)**

[Conservative treatment of patients with foreign bodies of the gastrointestinal tract] Shakhtman BSh. **Khirurgiia (Mosk)** (6):74–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Hematobezoar in a female patient with varicose dilatation of esophageal veins] Aslanov TT, et al. **Klin Med (Mosk)** 53(11):141–2, Nov 75 **(Rus)**

[Foreign bodies in the gastrointestinal tract] Gulordava ShA, et al. **Sov Med** (2):132–6, Feb 76 **(Rus)**

[Trichobezoar of the stomach] Britvin AA. **Vestn Khir** 116(2):138, Feb 76 **(Rus)**

[Functional-morphological characteristics of age-related changes in the fibrous structures of the gastric connective tissue] Razin SN. **Vrach Delo** (3):86–90, Mar 74 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Ectopic pancreas in the stomach wall. **Isr J Med Sci** 11(9):909–13, Sep 75

Neonatal gastric rupture due to congenital muscular defect. Arthornthurasook A, et al. **J Med Assoc Thai** 59(1):43–6, Jan 76

Multiple gastrointestinal atresias, with intraluminal calcifications and cystic dilatation of bile ducts: a newly recognized entity resemblin 'a string of pearls'. Martin CE, et al. **Pediatrics** 57(2):268–71, Feb 76

[Duplication of the stomach communicating with the pancreatic ducts] Huguier M, et al. **Arch Fr Mal App Dig** 64(2):153–7, Mar 75 (Eng. Abstr.) **(Fre)**

[Duplication of the stomach complicated by ulcer perforating to the inferior vena cava] Chyczewski L, et al. **Pol Tyg Lek** 31(15):629–30, 12 Apr 76 (Eng. Abstr.) **(Pol)**

[Accessory pancreas in the stomach] Uspenskiĭ LV, et al. **Klin Khir** (5):75–6, May 75 **(Rus)**

ANALYSIS

Identification of potassium chloride tablets in post-mortem stomach contents. Takatori T, et al. **Hokkaido J Med Sci** 51(1):81–2, Jan 76

Histamine content of the digestive tract of a catfish Clarias batrachus (Linn.) in relation to spawning, sex and seasonal variation. Ovais M, et al. **Indian J Physiol Pharmacol** 19(2):90–3, Apr–Jun 75

Structure of some intact lipids of petrel stomach oils. Watts R, et al. **Lipids** 11(6):423–9, Jun 76

Immunohistochemical localization of somatostatin in endocrine cells of the rat stomach. Leclerc R, et al. **Mol Cell Endocrinol** 4(4):257–61, Mar 76

[Content of catecholamines in the hypothalamus and different parts of the stomach in experimental ulcer and change in their level under the effect of gangleron] Mirzoian SA, et al. **Zh Eksp Klin Med** 15(6):3–8, 1975 **(Rus)**

ANATOMY & HISTOLOGY

[Histological, histochemical and histophysiological changes of the exocrine pancreas and stomach fundus in Anguilla anguilla L. in the course of postlarval development] Bremer H, et al. **Gegenbaurs Morphol Jahrb** 121(1):109–20, 1975 (Eng. Abstr.) **(Ger)**

[Oblique fibres as specific structures of the fornix and corpus. Studies on stomachs of artiodactyla] Langer P. **Verh Anat Ges** 68:757–63, 1974 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Changes in mucosal and venous histamine concentrations during instillation of ethanol in the canine stomach. Dinoso VP Jr, et al. **Am J Dig Dis** 21(2):93–7, Feb 76

Experimental chronic gastric ulcer due to ischemia in rats. Guth PH, et al. **Am J Dig Dis** 20(9):824–34, Sep 75

Massive gastric hemorrhage from submucosal arterial malformation. Richter RM. **Am J Gastroenterol** 64(4):324–6, Oct 75

Adrenergic mechanisms in canine gastric circulation. Zinner MJ, et al. **Am J Physiol** 229(4):977–82, Oct 75

Gastric aneurysms: unusual lesions with lethal potential. Silberman H. **Am J Surg** 130(3):351–3, Sep 75

Microcirculation of the cat stomach. Svanes K, et al. **Bibl Anat** 13:147–8, 1975

Proceedings: Ischaemic ulcers of the stomach. Samuel E. **Br J Radiol** 48(575):942–3, Nov 75

Letter: Ischaemic necrosis of lesser curve of stomach. Mohr P. **Br Med J** 4(5997):650, 13 Dec 75

Ischaemic necrosis of lesser curve after proximal gastric vagotomy. Moore FP, et al. **Br Med J** 4(5992):328, 8 Nov 75

Changes in vascular permeability associated with acetic acid-induced gastrin ulcer in rats. Molster A, et al. **Eur Surg Res** 8(1):39–50, 1976

Distribution and arteriovenous shunting of gastric blood flow in the baboon: effect of epinephrine and vasopressin infusions. Zinner MJ, et al. **Gastroenterology** 71(2):299–302, Aug 76

Proceeding: Gastric mucosal permeability—a relationship between ischaemia and cellular damage. Newman BM, et al. **Gut** 17(5):401, May 76

Aneurysm of the gastroduodenal artery. Friedman EM, et al. **J Am Osteopath Assoc** 75(7):679–82, Mar 76

Acetic acid-induced gastritis in cats. Changes in blood flow and capillary permeability. Soreide O, et al. **J Surg Res** 21(3):191–200, Sep 76

Alterations in gastric physiology caused by selective embolization and vasopressin infusion of the left gastric artery. Chuang VP, et al. **Radiology** 120(3):533–6, Sep 76

Transjugular obliteration of the gastric coronary vein. Goldman ML, et al. **Radiology** 118(2):453–5, Feb 76

Simplified superselective catheterization of arterial bleeders. Komaki S. **Radiology** 118(3):727–9, Mar 76

Gastric devascularization: an alternate approach to the surgical treatment of massive, diffuse hemorrhage from gastritis. Rittenhouse M, et al. **South Med J** 69(7):892–5, Jul 76

Gastroduodenal blood flow in stress and hypoxia: an experimental approach. Broadie T, et al. **Surg Forum** 26:397–9, 1975

Creation of a reliable gastric bleed in dogs for angiographic studies. Grace DM, et al. **Surg Gynecol Obstet** 140(1):13–5, Jan 75

Gastric infarction after therapeutic embolization. Bradley EL 3d, et al. **Surgery** 79(4):421–4, Apr 76

Editorial: The paucity of arteriovenous anastomoses in the stomach. Delaney JP. **Surgery** 78(4):411–3, Oct 75

Results of left gastric vena caval shunt for esophageal varices: Analysis of one hundred clinical cases. Inokuchi K, et al. **Surgery** 78(5):628–36, Nov 75

Gastroduodenal arterial aneurysms: report of a case and review of the literature. Sethi GK, et al. **Surgery** 79(02):233–5, Feb 76

The late results of terminal esophagoproximal gastrectomy (TEPG) with intensive devascularization and splenectomy for bleeding esophageal varices in cirrhosis. Yamamoto S, et al. **Surgery** 80(1):106–14, Jul 76

[Aneurysms of the gastroduodenal artery and its branches. With 5 case reports (author's transl)] Poilleux J, et al. **Ann Chir** 29(8):707–12, Sep 75 (28 ref.) (Eng. Abstr.) **(Fre)**

[The vascular system of the stomach wall in the cat] Godynicki S. **Zentralbl Veterinaermed [C]** 5(2):147–64, Jun 76 (Eng. Abstr.) **(Ger)**

[Effects of glucagon on the gastric microcirculation of the rat] Cagol PP, et al. **Chir Patol Sper** 23(3):111–4, Jun 75 (Eng. Abstr.) **(Ita)**

[Selective angiography of abdominal organs—with special reference to gastric diseases] Nomura M. **Acta Med (Fukuoka)** 45(3):160–81, Jul 75 (Eng. Abstr.) **(Jpn)**

[Morphological studies of gastric vasoconstriction, with special reference to ulcerative changes induced by restraint] Hattori T. **Jpn J Gastroenterol** 72(10):1240–51, Oct 75 (Eng. Abstr.) **(Jpn)**

[Study of the microcirculation of the wall of the stomach of white rats by the vital microscopy method] Lakhtina VP, et al. **Arkh Anat Gistol Embriol** 68(5):61–6, May 75 (Eng. Abstr.) **(Rus)**

[Influence of gravitational overload and hypokinesia on the structure of the vascular bed of the stomach] Riskevich GG. **Arkh Anat Gistol Embriol** 68(5):118–24, May 75 (Eng. Abstr.) **(Rus)**

[Microcirculation and blood supply to the artificial esophagus from the greater curvature of the stomach] Starchenko VA, et al. **Grudn Khir** (3):107–9, May–Jun 74 **(Rus)**

CYTOLOGY

Histochemical localization of hydrochloric acid in the stomach of two teleost fishes. Sastry KV. **Acta Biol Acad Sci Hung** 26(1–2):37–41, 1975

Morphological variations in the stomach of few teleost fishes in relation to food and feeding habits. Verma SR, et al. **Gegenbaurs Morphol Jahrb** 120(3):367–80, 1974

Mast cells of the human stomach. Steer HW. **J Anat** 121(2):385–97, Apr 76

Quantitation of G-cells in fibreoptic biopsy specimens and serum gastrin levels in healthy normal subjects. Piris J, et al. **J Clin Pathol** 28(8):636–8, Aug 75

Proceedings: Effects of truncal vagotomy on the muscle layers of dog stomach. Oki M, et al. **Jpn Arch Intern Med** 11(4):222–3, Dec 75

The chemicals that activate the 'on' switches of the oxyntic cell. Grossman MI. **Mayo Clin Proc** 50(9):515–8, Sep 75 (28 ref.)

[The endocrine cells of the stomach in humans (optical and ultrastructural study in the normal state and in some pathological states)] Le Bodic MF, et al. **Ann Anat Pathol (Paris)** 19(4):353–70, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[The gastrin cell in the stomach] Potet F, et al. **Ann Anat Pathol (Paris)** 19(4):399–412, Oct–Dec 74 (57 ref.) **(Fre)**

[Tinctorial features of mast cells from the gastroduodenal area] Pruglo IuV. **Arkh Anat Gistol Embriol** 70(6):54–7, Jun 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Pharmacology of angiotensin and inhibitors. Regoli D, et al. **Acta Physiol Lat Am** 24(5):525–8, 1974

Effect of synthetic oxytocin on the motor and bioelectrical activity of the stomach and small intestines (in vivo). Milenov K, et al. **Acta Physiol Pharmacol Bulg** 3–4:31–40, 1975

The effect of secretin on pentagastrin-stimulated secretion of gastric pepsin and acid in rats. Kowalewski K. **Arch Int Physiol Biochim** 83(2):255–9, May 75

Comparative studies of parasympatholytic drugs on stomach (double blind test) and analysis of relation between gastric form and tonus. Tohei N, et al. **Arzneim Forsch** 25(11):1813–22, Nov 75

The motor-stimulating effect of natural motilin on the lower esophageal sphincter fundus, antrum and duodenum in dogs. Jennewein HM, et al. **Digestion** 13(4):246–50, 1975

Comparison of methylated prostaglandin E2 analogues given orally in the inhibition of gastric responses to pentagastrin and peptone meal in man. Konturek SJ, et al. **Gastroenterology** 70(5 PT.1):683–7, May 76

Effects of essential and nonessential amino acids on gastric emptying in the dog. Stephens JR, et al. **Gastroenterology** 69(4):920–7, Oct 75

Proceedings: Effect of somatostatin on motilin levels and gastric emptying. Bloom SR, et al. **Gut** 16(10):834, Oct 75

Effects of 13-nle-motilin on the electrical and mechanical activity of the isolated perfused canine stomach and duodenum. Green WE, et al. **Gut** 17(5):362–70, May 76

Inhibition of food-stimulated gastric acid secretion by cimetidine. Pounder RE, et al. **Gut** 17(3):161–8, Mar 76

Adrenergic responses of the rabbit stomach serosal strip and their modification by monoamine oxidase inhibitors and anti-adrenergic drugs. Khayyal MT, et al. **J Pharm Pharmacol** 28(6):489–92, Jun 76

A quantitative study of metiamide, a histamine H2-antagonist, on the isolated whole rat stomach. Bunce KT, et al. **J Physiol (Lond)** 258(2):453–65, Jun 76

Proceedings: Direct effects of 13-norleucine-motilin on the electrical and mechanical activity of the isolated perfused canine stomach and duodenum. Green WE, et al. **J Physiol (Lond)** 256(1):48P–49P, Mar 76

Evidences for alpha excitatory action of catecholamines on the electrical activity of the guinea-pig stomach. Ohkawa H. **Jpn J Physiol** 26(1):41–52, 1976

Effect of a gastrin-like peptide on electrical and contractile activities of canine stomach. Akaike N. **Kumamoto Med J** 28(2):94–9, 30 Jun 75

The effects of some pharmacologically active amines on the rate of gastric emptying in rats. Bridges JW, et al. **Life Sci** 18(1):97–107, 1 Jan 76

Effect of metoclopramide on myoelectrical and mechanical activity of the isolated canine stomach perfused extracorporeally. Kowalewski K, et al. **Pharmacology** 13(6):549–62, 1975

Effect of glucagon on myoelectrical and mechnical activity of the isolated homologous perfused porcine stomach. Kowalewski K, et al. **Pharmacology** 14(2):115–24, 1976

Effect of bombesin, a natural tetradecapeptide, on myoelectrical and mechanical activity of isolated, ex vivo perfused, canine stomach. Kowalewski K, et al. **Pharmacology** 14(1):8–19, 1976

Inhibitory actions of polyphloretin phosphate and related compounds on the response to prostaglandin in the smooth muscle of guinea-pig stomach. Ishizawa M, et al.

Prostaglandins 11(5):829–40, May 76

Gastroduodenal motor response to natural motilin and synthetic position 13-substituted motilin analogues: a comparative in vitro study. Strunz U, et al. **Scand J Gastroenterol** 11(2):199–203, 1976

Effect of histamine H2-receptor blockade on gastric emptying and serum gastrin in man. Forrest JA, et al. **Scott Med J** 21(1):23–7, Jan 76

The fine structure of the fundic stomach epithelium of the western newt. II. After histamine stimulation. Leeson TS. **Zentralbl Veterinaermed [C]** 4(2):97–112, Jun 75

[A comparison between the effets of caerulein and cholecystokinin-pancreozymin on the electric and manometric activities of the human stomach (author's transl)] Bortolotti M, et al. **Acta Gastroenterol Belg** 38(3–4):111–24, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Gastric emptying and intestinal transit after treatment with disulfiram in the rat] Lamboeuf Y, et al. **Biol Gastroenterol (Paris)** 8(1):39–44, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Gastric lesions caused by potassium permanganate tablets. Measures to be taken after ingestion] Célerier M, et al. **J Chir (Paris)** 109(3):307–14, Mar 75 (Eng. Abstr.) **(Fre)**

[Serum gastrin level following duodenal and gastric stimulation with acetylcholine in the dog] Junghanns K, et al. **Langenbecks Arch Chir** Suppl:267–71, 1975 (Eng. Abstr.) **(Ger)**

[Summary of work session 4: Effects of calcitonin and somatostatin on the stomach and pancreas—a possible therapeutic principle] Goebell H, et al. **Z Gastroenterol** 14(2):221–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Gastrokinetic effect of Vincamine] Spina G, et al. **Farmaco [Prat]** 30(10):512–22, Oct 75 (Eng. Abstr.) **(Ita)**

Andrenergic reactivity of the gastro-intestinal tract. I. Fundus of the rat's stomach. Lucchelli A, et al. **Farmaco [Sci]** 31(4):297–304, Apr 76 (Eng. Abstr.) **(Ita)**

[Proceedings: Effects of catecholamine on the gastric smooth muscle of guinea pigs] Yamaguchi T, et al. **Jpn Arch Intern Med** 11(4):223–4, Dec 75 **(Jpn)**

[Proceedings: Changes in denervation sensitivity of the gastric smooth muscle caused by carbachol stimulation] Yamazaki Y, et al. **Jpn Arch Intern Med** 11(4):228–9, Dec 75 **(Jpn)**

[Motor and electrical activity of the stomach and jejunum under the influence of angiotensin II] Deleva ZhI, et al. **Fiziol Zh SSSR** 61(4):615–9, Apr 75 **(Rus)**

[The effect of different doses of the sympatholytic isobarin on the evacuatory function of the stomach in dogs] Beheka AD, et al. **Fiziol Zh** 21(5):649–53, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

EMBRYOLOGY

Immunochemical study and cellular localization of human pepsinogens during ontogenesis and in gastric cancers. Hirsch-Marie H, et al. **Lab Invest** 34(6):623–32, Jun 76

ENZYMOLOGY

Characterization of a nonhepatic alcohol dehydrogenase from rat hepatocellular carcinoma and stomach. Cederbaum AI, et al. **Arch Biochem Biophys** 171(1):348–60, Nov 75

Transaminase of brainched chain amino acids. X. High activity in stomach and pancreas. Ichihara A, et al. **Biochem Biophys Res Commun** 67(4):1313–8, 15 Dec 75

Effect of amodiaquine on gastric histamine methyltransferase and on histamine-stimulated gastric secretion. Barth H, et al. **Br J Pharmacol** 55(3):321–7, Nov 75

Functional, chemical, and clinical aspects of proteolytic enzymes in the alimentary canal. Goldberg DM. **Clin Biochem** 9(3):131–5, Jun 76

Gastrin activity in the stomach extracts of Bufo regularis (the common African toad). Oyebola DD, et al. **Comp Biochem Physiol [A]** 52(1):209–11, 1 Sep 75

Amino acid decarboxylase enzymes—vital or irrelevant to gastric secretion? Henman FD. **Digestion** 12(3):157–78, 1975 (159 ref.)

Rennin and pepsin in stomachs of rats (Rattus norvegicus). Kotts C, et al. **J Dairy Sci** 59(8):1398–400, Aug 76

On the histoenzymology of the human stomach. Onicescu D, et al. **Morphol Embryol (Bucur)** 21(4):263–7, 1975

[Relationships between proteolysis and neurovegetative control of gastric function] Maiwald L, et al. **Verh Dtsch Ges Inn Med** 81:1241–4, 1975 **(Ger)**

[Histochemical study of carbonic anhydrase and HCO3(-)-stimulated adenosine triphosphatase in the rat stomach during hydrochloric acid secretion] Deribas VI. **Arkh Anat Gistol Embriol** 70(2):51–4, Feb 76 (Eng. Abstr.) **(Rus)**

[LDH isoenzymes in pathological and normal gastric mucosa] Carda Abella P, et al. **Rev Clin Esp** 141(1):11–8, 15 Apr 76 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

The morphological and functional differentiation of the alimentary canal of the pig during ontogeny. I. Development and differentiation of the fundic portion of the stomach. Georgieva R, et al. **Anat Anz** 137(1–2):12–15, 1975

IMMUNOLOGY

Auto-immune atrophic gastritis in patient with dermatitis herpetiformis. Stockbrügger R, et al. **Acta Derm Venereol (Stockh)** 56(2):111–3, 1976

Enteric migration of radiolabeled lymphocytes. Solomon GE, et al. **Cell Immunol** 23(1):108–16, Apr 76

Immunoglobulin E (IgE) and IgE-containing cells in human gastrointestinal fluids and tissues. Brown WR, et al. **Clin Exp Immunol** 20(2):227–37, May 75

[Immunological studies on the antigenic composition of gastric and oesophagic mucosa (author's transl)] Götz H, et al. **Z Immunitaetsforsch** 143(2):111–24, Mar 72 (Eng. Abstr.) **(Ger)**

INJURIES

Fiberoptic endoscopic extraction of foreign body perforating the stomach. Dagradi AE, et al. **Am J Gastroenterol** 65(4):335–8, Apr 76

The problem of the open safety pin. Marsh BR. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):624–6, Sep–Oct 75

Letter: Enteric-coated aspirin overdose and gastric perforation. **Br Med J** 4(5993):409, 15 Nov 75

Ruptured stomach after Heimlich maneuver. Visintine RE, et al. **JAMA** 234(4):415, 27 Oct 75

Gastric perforation during pelvic laparoscopy. Endler GC, et al. **Obstet Gynecol** 47(1):40S–42S, Jan 76 (22 ref.)

[Pyloric stenosis – a complication of cholelithiasis. (Case of gallstone perforation into the duodenal bulb)] Seegelken K. **Roentgenblaetter** 29(3):148–50, Mar 76 (Eng. Abstr.) **(Ger)**

[On traumatic perforation of the wall of the stomach with rupture of the spleen (author's transl)] Paar O. **Unfallheilkunde** 79(8):369–70, Aug 76 (Eng. Abstr.) **(Ger)**

[Results of fibrogastroscopic and gastrobioptic examinations after acute acid burn] Laucevicius VL, et al. **Z Gesamte Inn Med** 31(11):386–9, 1 Jun 76 (Eng. Abstr.) **(Ger)**

[Letter: Complications of endoscopic polypectomy in the ventricle] Dedichen H. **Tidsskr Nor Laegeforen** 96(6):390–1, 28 Feb 76 **(Nor)**

[Traumatic gastric rupture] Zakrzewski M, et al. **Pol Przegl Radiol** 39(5):611–13, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Post-caustic gastric stenosis] Simici P, et al. **Rev Chir [Chir]** 24(2):117–22, Mar–Apr 75 (Eng. Abstr.) **(Rum)**

[Complication of self-bougienage of the esophagus] Stol' EP. **Grudn Khir** (4):101–2, Jul–Aug 75 **(Rus)**

[Pseudoneoplastic formations in the stomach and intestine in pediatric practice] Bartin VS, et al. **Pediatriia** (6):32–3, Jun 75 **(Rus)**

[Chemical burns of the stomach in children] Kal'chenko II, et al. **Vestn Khir** 114(2):90–2, Feb 75 (Eng. Abstr.) **(Rus)**

[Intestinal lesions after chemical burns of the digestive tract] Oskretkov VI, et al. **Vestn Khir** 114(1):96–100, Jan 75 (Eng. Abstr.) **(Rus)**

[Gunshot injuries of the gastroduodenal region] Tomanovic A, et al. **Acta Chir Iugosl** 23(1 Suppl):285–9, 1976 (Eng. Abstr.) **(Ser)**

[Stomach perforated by gastroscopy] **Lakartidningen** 73(18):1738, 28 Apr 76 **(Swe)**

INNERVATION

Abdominal vagal paraganglia: distribution and comparison with carotid body, in the rat. Deane BM, et al. **Acta Anat (Basel)** 93(1):19–28, 1975

Changed cholinergic receptor characteristics after vagotomy in gastric fistula dogs. Hirschowitz BI, et al. **Am J Physiol** 230(1):105–9, Jan 76

Basal and meat extract plasma gastrin before and after parietal cell vagotomy and selective gastric vagotomy with drainage in patients with duodenal ulcer. Fischer JE, et al. **Ann Surg** 183(2):167–73, Feb 76

Parietal cell vagotomy without drainage for the treatment of duodenal ulcer. Jordan PH Jr. **Annu Rev Med** 27:191–7, 1976

The effect of posture on the emptying of the intrathoracic vagotomized stomach. Hinder RA. **Br J Surg** 63(8):581–4, Aug 76

Inhibitory vagal innervation of the stomach in fish. Campbell G. **Comp Biochem Physiol [C]** 50(2):169–70, 1 Apr 75

The splanchnic nerve supply to the stomach of the trout, Salmo trutta and S. gairdneri. Campbell G, et al. **Comp Biochem Physiol [C]** 55(1):51–3, 1976

Three layers of the opossum stomach: responses to nerve stimulation. Christensen J, et al. **Gastroenterology** 69(3):641–8, Sep 75

Distribution of excitatory vagal fibers in canine gastric wall to control motility. Daniel EE, et al. **Gastroenterology** 71(4):608–13, Oct 76

Neural control of gastric mucosal blood flow in the rat. Guth PH, et al. **Gastroenterology** 69(4):935–40, Oct 75

Cholinergic innervation of the gastric wall of the cat. Kyösola K, et al. **Histochemistry** 44(1):23–30, 16 Jul 75

The role of the intrinsic nervous system in the correlation between the spike activities of the stomach and duodenum. pp. 127–35. Atanassova E. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Electrophysiological and pharmacological properties of synaptic processes in smooth muscle cells of stomach. pp. 287–94. Vladimirova IA. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Gastrin levels after proximal gastric vagotomy. Hayes JR, et al. **Ir J Med Sci** 144(9):349–54, Sep 75

Cholinergic innervation of the human stomach. Onicescu D, et al. **Morphol Embryol (Bucur)** 21(2):93–7, 1975

Adrenergic activity and gastric secretion. Magee DF. **Proc Soc Exp Biol Med** 151(4):659–62, Apr 76

The use of neutral red as a peroperative test of vagal innervation. Nundy S, et al. **Scand J Gastroenterol** 10(8):847–50, 1975

[Proceedings: Gastric sensory nerve, with special reference to the vagus nerve] Yamada M, et al. **J Physiol Soc Jpn** 36(8–9):310, 1 Sep 74 **(Jpn)**

[Selective parasympathetic denervation of gastric fundus and body in the treatment of chronic duodenal ulcer] Waluk R, et al. **Pol Przegl Chir** 48(2):175–81, Feb 76 **(Pol)**

[Treatment of duodenal ulcer by means of parasympathetic denervation of the corpus and fundus of the stomach (author's transl)] Popiela T. **Przegl Lek** 33(4):444–8, 1976 (Eng. Abstr.) **(Pol)**

[Anatomical study of vagal innervation of the stomach; surgical applications] Haddad CM. **Rev Paul Med** 85(3–4):53–8, Mar–Apr 75 (Eng. Abstr.) **(Por)**

[Morphologic changes in the nervous apparatus of the pharynx, esophagus and stomach of cats following a single gravitational stress] Konkin IF. **Arkh Anat Gistol Embriol** 69(7):29–32, Jun 75 (Eng. Abstr.) **(Rus)**

[Role of interoceptive signalization in modulating emotional-behavioral responses] Emel'ianenko IV, et al. **Biull Eksp Biol Med** 81(3):264–6, Mar 76 (Eng. Abstr.) **(Rus)**

[Afferent activity in sympathetic nerve fibers of the stomach and its secretory activity] Bagaev VA, et al. **Fiziol Zh SSSR** 62(4):594–602, Apr 76 (Eng. Abstr.) **(Rus)**

[Electrical activity of the vagus nerve with high external temperatures] Denisenko PP, et al. **Fiziol Zh SSSR** 61(9):1367–72, Sep 75 (Eng. Abstr.) **(Rus)**

[Electrical potentials of the vagal and sympathetic pathways of the stomach during elaboration of conditioned reflexes] Chubarova NI, et al. **Zh Vyssh Nerv Deiat** 25(5):942–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Histochemical localization of hydrochloric acid in the stomach of two teleost fishes. Sastry KV. **Acta Biol Acad Sci Hung** 26(1–2):37–41, 1975

Examination of stomach wall Mg2+-Na+-K+-dependent ATPase, ATP, and ADP in pylorus-ligated rats. Mózsik G, et al. **Am J Dig Dis** 21(8):649–54, Aug 76

Gastrointestinal metabolism of cadmium in experimental iron deficiency; Valberg LS, et al. **Am J Physiol** 231(2):462–7, Aug 76

Transformation of prostaglandin G2 into 6(9)-oxy-11,15-dihydroxy-prosta-7,13-dienoic acid by the rat stomach fundus. Pace-Asciak C, et al. **Biochim Biophys Acta** 424(2):323–5, 23 Feb 76

Proceedings: The nitrosation of food amines under stomach conditions. Dyke CS, et al. **Br J Cancer** 32(2):251, Aug 75

Isolation and structure of a new active peptide xenopsin on rat stomach strip and some biogenic amines in the skin of Xenopus laevis. Araki K, et al. **Chem Pharm Bull (Tokyo)** 23(12):3132–40, Dec 75

Gastro-intestinal absorption and transplacental transfer of amoxycillin during labour and the influence of metoclopramide. Buckingham M, et al. **Curr Med Res Opin** 3(6):392–6, 1975

A new prostaglandin metabolite of arachidonic acid. Formation of 6-keto-PGF1alpha by the rat stomach. Pace-Asciak C. **Experientia** 32(3):291–2, 15 Mar 76

Biogenic monoamines in the gastric wall of the protein depleted rats. Gomboš A, et al. **Folia Morphol (Praha)** 23(3):286–8, 1975

Effects of alcohol on ion transport by isolated gastric and esophageal mucosa. Fromm D, et al. **Gastroenterology** 70(2):220–5, Feb 76

Experimental obstructive jaundice and change of gastroduodenal serotonin content in the rat. Kato Y, et al. **Hiroshima J Med Sci** 24(4):205–11, Dec 75

DNA fragmentation in mouse gastric epithelial cells by precarcinogens, ultimate carcinogens and nitrosation products: an indicator for the determination of organotropy and metabolic activation. Koropatnick DJ, et al. **Int J Cancer** 17(6):765–72, 15 Jun 76

Letter: Isolation, structure, and biosynthesis of 6-ketoprostaglandin F1 alpha in the rat stomach. Pace-Asciak C. **J Am Chem Soc** 98(8):2348–9, 14 Apr 76

Inhibition of food intake in the rat following complete absorption of glucose delivered into the stomach, intestine or liver. Booth DA, et al. **J Physiol (Lond)** 259(2):501–22, Jul 76

The absorption of warfarin from the rat stomach in situ. Julkunen RJ. **Med Biol** 54(4):260–3, Aug 76

Somatostatin: abundance of immunoreactive hormone in rat stomach and pancreas. Arimura A, et al. **Science** 189(4207):1007–9, 19 Sep 75

[Transformation of nitrates in the digestive tract of the rat] Fritsch P, et al. **Eur J Toxicol Environ Hyg** 8(6):341–5, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Changes in the acetylcholine content of the wall of the stomach in the formation of 'stress' and 'steroid' stomach

ulcers in animals with disorders of function of the thyroid gland] Rosolovskiĭ AP. **Patol Fiziol Eksp Ter** (4):44–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The role of catecholamines in the mechanisms of thyroid gland influence on the development of 'stress' and 'steroid' stomach ulcers] Rosolovskiĭ AP. **Probl Endokrinol (Mosk)** 22(1):64–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Content of 5-hydroxytryptamine in brain, blood and stomach tissue in rats of different age with sympathectomy induced by guanetidine (author's transl)] Kohút A, et al. **Bratisl Lek Listy** 64(1):76–80, Jul 75 (Eng. Abstr.) **(Slo)**

[Methionine absorption in the gastrointestinal tracts of chickens subjected to microwaves] Faĭtel'berh-Blank VR, et al. **Fiziol Zh** 20(3):379–85, May–Jun 74 (Eng. Abstr.) **(Ukr)**

MICROBIOLOGY

Intragastric microbial colonization in common disease states of the stomach and duodenum. Nichols RL, et al. **Ann Surg** 182(5):557–61, Nov 75

Gastric pH and microflora of normal and diarrhoeic infants. Maffei HV, et al. **Gut** 16(9):719–26, Sep 75

Microbial contamination of the gut; another feature of malnutrition. Gracey M, et al. **Paediatr Indones** 15(7–8):181–90, Jul–Aug 75

Septic complications following gastric surgery: relationship to the endogenous gastric microflora. Nichols RL, et al. **Surg Clin North Am** 55(6):1367–72, Dec 75

PARASITOLOGY

[Stomach parasites in hyraxes] pp. 69–71. Müller R, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

PATHOLOGY

Parietal cell vagotomy. Localisation of the microscopical antral–fundic boundary in relation to the macroscopical. Poppen B, et al. **Acta Chir Scand** 142(3):251–5, 1976

Eosinophilic granulocytes on the gastrocytogram. Miczbán I. **Acta Cytol (Baltimore)** 20(1):32–4, Jan–Feb 76

Ingestion of asbestos. Zaidi SH. **Environ Health Perspect** 9:239–40, Dec 74

Parietal cell mass and the trophic action of gastrin. Hall WH. **Gastroenterology** 70(5 PT.1):323–4, May 76

Proceedings: Studies on gastric D cell pathology. Polak JM, et al. **Gut** 17(5):400–1, May 76

Gastric pathology in cases of suicide. Patel NS. **Med Sci Law** 16(1):21–4, Jan 76

Histopathologic considerations on gastric epithelioid leiomyomas. Moraru I, et al. **Morphol Embryol (Bucur)** 21(2):113–7, 1975

Acute gastric changes in patients with acute stroke. Part 1: with reference to gastroendoscopic findings. Kitamura T, et al. **Stroke** 7(5):460–3, Sep–Oct 76

[A large spontaneous rupture of the stomach] Parapanov G. **Khirurgiia (Sofiia)** 27(6):553–5, 1974 **(Bul)**

[Epidermoid differentiation in carcinoma of the stomach] Melato M, et al. **Arch Anat Pathol (Paris)** 23(2):113–6, Jun 75 (Eng. Abstr.) **(Fre)**

[Pathological changes of the stomach associated with acute stroke; 1. gastroendoscopic findings] Kitamura T. **Clin Neurol (Tokyo)** 15(8):541–9, Aug 75 (Eng. Abstr.) **(Jpn)**

[Gastric lesions associated with acute stage of stroke. 2. Gastroendoscopic findings, urinary noradrenaline, adrenaline levels rate, plasma gastrin concentration and urinary excretion rate of 17-OHCS] Kitamura T. **Clin Neurol (Tokyo)** 16(1):23–31, Jan 76 (Eng. Abstr.) **(Jpn)**

[Significance of diffuse submucosal heterotopic glands as precancerous lesions of the stomach] Iwanaga T, et al. **Jpn J Gastroenterol** 73(1):31–40, Jan 76 (Eng. Abstr.) **(Jpn)**

[Ambulant gastroscopy. Practical arrangement and procedure of gastroscopy with biospy and brush cytology in a group of partially gastrectomized patients] Skarstein A, et al. **Tidsskr Nor Laegeforen** 95(23):1310–1, 20 Aug 75 (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Influence of ether anaesthesia and oro–gastric intubation on gastric evacuation and small bowel propulsion after laparotomy. A methodological study in the rat. Ohrn PG, et al. **Acta Chir Scand [Suppl]** (461):5–16, 1976

On the mechanisms of changes in the frequency of generation of the slow potential from the stomach upon electric stimulation. Papasova M, et al. **Acta Physiol Pharmacol Bulg** 2:7–17, 1974

Integrated somatomotor, cardiovascular and gastrointestinal adjustments induced from the cerebellar fastigial nucleus. Lisander B, et al. **Acta Physiol Scand** 94(3):358–67, Jul 75

Measurement of gastric emptying time—a comparative study between nonisotopic aspiration method and new radioisotopic technique. Chaudhuri TK, et al. **Am J Dig Dis** 20(11):1063–6, Nov 75

99mTc-tagged chicken liver as a marker of solid food in the human stomach. Meyer JH, et al. **Am J Dig Dis** 21(4):296–304, Apr 76

Effect of a fixed pyloric opening on gastric emptying in the cat and dog. Stemper TJ, et al. **Am J Physiol** 230(3):813–7, Mar 76

Heidenhain pouch distension as a stimulus for acid and pepsin secretion. Magee DF, et al. **Ann Surg** 182(2):121–3, Aug 75

Effect of glucagon on myoelectrical and mechanical activity recorded from the isolated homologous perfused canine stomach. Kowalewski K, et al. **Arch Int Pharmacodyn Ther** 218(2):186–95, Dec 75

Gastric control of duodenal electric activity—the function of the gastroduodenal junction. Abbadessa Urso S, et al. **Arch Int Physiol Biochim** 83(5):827–35, Dec 75

Intragastric water and the acquisition of schedule-induced drinking. Cope CL, et al. **Behav Biol** 17(2):267–70, Jun 76

Gastric secretion and fermentation in the suckling pig. Cranwell PD, et al. **Br J Nutr** 36(1):71–86, Jul 76

Proceedings: Is ATP an inhibitory neurotransmitter in the rat stomach. Heazell MA. **Br J Pharmacol** 55(2):285P–286P, Oct 75

Effect of gastric emptying on absorption of aminopyrine in rat. Tsuzuki O, et al. **Chem Pharm Bull (Tokyo)** 22(10):2459–62, Oct 74

Gastric inhibitory polypeptide. Its physiologic release and insulinotropic action in the dog. Pederson RA, et al. **Diabetes** 24(12):1050–6, Dec 75

Parietal cell vagotomy in dogs. Influence on heidenhain pouch acid secretion, serum gastrin concentration, gastric emptying and motility. Boné J, et al. **Digestion** 12(4–6):201–8, 1975

Influence of long-term intermittent exposures to low oxygen tensions on gastric emptying time during hypoxia. Fang HS, et al. **Environ Res** 11(1):135–7, Feb 76

Effect of ischemic anoxia on electrical and mechanical activity of the totally isolated porcine stomach. Kowalewski K, et al. **Eur Surg Res** 8(1):12–25, 1976

Fermentative digestion of food in the colobus monkey, Colobus, polykomos. Kay RN, et al. **Experientia** 32(4):485–7, 15 Apr 76

Effect of secretin on gastric function in normal subjects and in patients with duodenal ulcer. Dalton MD, et al. **Gastroenterology** 71(1):24–9, Jul 76

Gastric emptying rate measurement in man. A double isotope scanning technique for simultaneous study of liquid and solid components of a meal. Heading RC, et al. **Gastroenterology** 71(1):45–50, Jul 76

Pancreatic, gallbladder, and gastric responses to intraduodenal calcium perfusion in man. Holtermuller KH, et al. **Gastroenterology** 70(5 PT.1):693–6, May 76

Measurement of gastric functions during digestion of ordinary solid meals in man. Malagelada JR, et al. **Gastroenterology** 70(2):203–10, Feb 76

Gastric pacemakers. Sarna SK, et al. **Gastroenterology** 70(2):226–31, Feb 76

Gastric emptying and its relationship to antral contractile activity. Stemper TJ. **Gastroenterology** 69(3):649–53, Sep 75

Effect of pentagastrin and caerulein on intragastric pressure in the dog. Valenzuela JE, et al. **Gastroenterology** 69(6):1383–4, Dec 75

Relation between body weight and the gastric and intestinal handling of an oral caloric load. Johansson C, et al. **Gut** 17(6):456–62, Jun 76

The gastric response to a transpyloric duodenal tube. Longstreth GF, et al. **Gut** 16(10):777–80, Oct 75

Simple clinical method of measuring gastric emptying of solid meals. Ostick DG, et al. **Gut** 17(3):189–91, Mar 76

Selective suppression of phasic and tonic activation mechanisms in stomach smooth muscle. pp. 203–8. Boev K, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Topical differences in excitation and contraction between guinea pig stomach muscles. pp. 185–96. Kuriyama H, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

The slow potential and its relationship to the gastric smooth muscle contraction. pp. 209–16. Papasova M, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Gastric inhibitory polypeptide (GIP) stimulated by fat ingestion in man. Falko JM, et al. **J Clin Endocrinol Metab** 41(2):260–5, Aug 75

Food intake of weanling rats with lesions in the ventromedial and dorsomedial hypothalamic nuclei in response to intragastric loading and caloric density manipulation. Bernardis LL, et al. **J Neurosci Res** 1(5–6):377–91, 1975

Stomach and upper intestine of the rat in the regulation of food intake. Lepkovsky S, et al. **J Nutr** 105(12):1491–9, Dec 75

Influence of stomach emptying rate on tissue radioactivity after [14C] imipramine in the rat. Beaubien AR, et al. **J Pharm Pharmacol** 28(5):451–2, May 76

Some differences in contractile responses of isolated longitudinal and circular muscle from the guinea-pig stomach. Kuriyama H, et al. **J Physiol (Lond)** 251(2):317–31, Oct 75

The slow wave in the circular muscle of the guinea-pig stomach. Ohba M, et al. **J Physiol (Lond)** 253(2):505–16, Dec 75

Proceedings: The measurement of gastric emptying in pigs by a double marker technique. Rayner V. **J Physiol (Lond)** 254(1):77P–78P, Jan 76

Investigations on the function of the rat forestomach. Kunstyr I, et al. **Lab Anim Sci** 26(2 Pt I):166–70, Apr 76

Letter: Gastric emptying in labour. Davison JS. **Lancet** 2(7927):227–8, 2 Aug 75

Letter: Gastric emptying in labour. Davison JS, et al. **Lancet** 2(7941):930–1, 8 Nov 75

Energy density of food, gastric emptying, and obesity. Hunt JN, et al. **Lancet** 2(7941):905–6, 8 Nov 75

Delayed gastric emptying. Bushkin FL, et al. **Major Probl Clin Surg** 20:72–82, 1976

Intestinal smooth muscle electrical potentials recorded from surface electrodes. Brown BH, et al. **Med Biol Eng** 13(1):97–103, Jan 75

Influence of ethanol, caffeine and intragastric cooling on gastrin and insulin secretion in man. Raptis S, et al. **Nutr Metab** 17(6):352–9, 1974

Effect of prostaglandin-E2 on myoelectrical and mechanical activity of totally isolated, ex-vivo-perfused, canine stomach. Kowalewski K, et al. **Pharmacology** 13(4):325–39, 1975

Electrical and mechanical activity of the isolated canine stomach perfused with homologous, in vitro, oxygenated blood. Kowalewski K, et al. **Pharmacology** 13(5):448–57, 1975

Effect of gastric emptying rate on the intestinal absorption of chloroquine in rats. Varga F, et al. **Pharmacology** 13(5):401–8, 1975

Effect of nutritive and bulk intake on the suppression of food-deprivation polydipsia in the gerbil. Miller DG, et al. **Physiol Behav** 14(6):791–4, Jun 75

Gastric secretion in the young pig. Cranwell PD. **Proc Nutr Soc** 35(1):28A, May 76

Digestion and absorption of lipids in non-ruminant and ruminant animals: a comparison. Harrison FA, et al. **Proc Nutr Soc** 34(3):203–10, Dec 75 (47 ref.)

Ultradian rhythms in walking gastric activity. Hiatt JF, et al. **Psychosom Med** 37(4):320–5, Jul–Aug 75

Dynamic gastric response to expansion before and after vagotomy. Jahnberg T, et al. **Scand J Gastroenterol** 10(6):593–8, 1975

Gastric myoelectrical activity in man. Roze C. **Scand J Gastroenterol [Suppl]** 10(35):54–79, 1975

Observations of pressure waves in stomach, jejunal, and colonic loops used to replace the esophagus. Miller H, et al. **Surgery** 78(5):543–51, Nov 75

[Effect of 2,4-dinitrophenol on slow gastro-duodenal electrical activity. Study on the anesthetized rat] Morelle O, et al. **Therapie** 30(6):897–905, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Cytochemical identification of endocrine stomach cells and their relation to number of parietalc ells and H+-secretion in normal and pathological circumstances] Riecken EO, et al. **Acta Histochem (Jena)** SUPPL 13:211–3, 1973 **(Ger)**

[Simultaneous determination of gastric emptying and bile and pancreatic enzyme secretion] Brunner H. **Acta Med Austriaca® [Suppl]** (3):1–39, 1975 (Eng. Abstr.) **(Ger)**

[Roentgen kymographic investigations of gastric peristalsis after intravenous injection of caerulein] Székely A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):167–9, Feb 75 (Eng. Abstr.) **(Ger)**

[Regulation factors of stomach emptying in dogs] Krejs GJ, et al. **Helv Chir Acta** 43(1–2):179–82, Mar 76 **(Ger)**

[Effects of proximal gastric vagotomy (PVG) and total vagotomy (TV) on the coordination of the interdigestive myoelectric acitivity of the canine stomach and duodenum] Aeberhard P, et al. **Schweiz Med Wochenschr** 106(9):305–7, 28 Feb 76 (Eng. Abstr.) **(Ger)**

[Comparison of pentagastrin- and histamine-stimulated acid secretion of the human stomach and the determination of correct values] Pöge VA, et al. **Zentralbl Chir** 101(5):290–3, 1976 **(Ger)**

[Proceedings: Dysrhythmia in electromyography of the gastric smooth muscle] Konegawa R. **Jpn Arch Intern Med** 11(4):255–6, Dec 75 **(Jpn)**

[Proceedings: Pacing of electrical activity of the gastric smooth muscle] Kuramoto M, et al. **Jpn Arch Intern Med** 11(4):253–4, Dec 75 **(Jpn)**

[Proceedings: Intraluminal pressure of the residual stomach and discharge of its content] Maeda K, et al. **Jpn Arch Intern Med** 11(4):263–4, Dec 75 **(Jpn)**

[Proceedings: Action potentials of the stomach during vagotomy] Miyajima Y, et al. **Jpn Arch Intern Med** 11(4):231–2, Dec 75 **(Jpn)**

[Proceedings: Rhythmic contraction of the stomach and factors affecting the phenomenon] Yanagisawa T, et al. **Jpn Arch Intern Med** 11(4):251–3, Dec 75 **(Jpn)**

[Proceedings: Effectiveness of the fundic patch method in prevention of regurgitation an observation based on pressure within the stomach] Yashima Y, et al. **Jpn Arch Intern Med** 11(4):260–1, Dec 75 **(Jpn)**

[Proceedings: Effects of various types of vagotomy on the action potentials of the stomach] Yokomichi H, et al. **Jpn Arch Intern Med** 11(4):232–4, Dec 75 **(Jpn)**

[Electrical and contractile activities of the normal canine stomach (author's transl)] Kuwashima T, et al. **Jpn J Smooth Muscle Res** 12(1):1–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[An atropine-resistant contraction of dog's stomach in response to stimulation of the vagus and splanchnic nerves (author's transl)] Semba T, et al. **Jpn J Smooth Muscle Res** 11(2):79–85, Jun 75 (Eng. Abstr.)

(Jpn)

[A gastro-electromyographical study on selective vagotomy and proximal selective vagotomy in the dog (author's transl)] Shimizu Y. **Jpn J Smooth Muscle Res** 11(2):57–77, Jun 75 (Eng. Abstr.) **(Jpn)**

[Photo-optical observation on gastric motility after antrum preserving gastrectomy (author's transl)] Takeuchi M. **Jpn J Smooth Muscle Res** 11(3):109–21, Sep 75 (Eng. Abstr.) **(Jpn)**

[Effect of selective proximal and truncal vagotomy on canine gastric electrical activity (author's transl)] Yokomichi H, et al. **Jpn J Smooth Muscle Res** 12(1):15–24, Mar 76 (Eng. Abstr.) **(Jpn)**

[Methods of studying the electrical activity of the stomach and duodenum] Zając S. **Pol Przegl Chir** 48(4):459–66, Apr 76 (Eng. Abstr.) **(Pol)**

[Multichannel recording of gastric electric activity from the surface of the human body] Sobakin MA, et al. **Biull Eksp Biol Med** 81(4):506–7, 1976 (Eng. Abstr.) **(Rus)**

[Smooth muscle biopotentials and the contractile activity of the stomach] Ustinov VN. **Fiziol Zh SSSR** 61(4):620–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the motor function of the stomach in ulcer disease in the pre- and postoperative period by the method of electrogastrography] Ageenko VA, et al. **Klin Khir** (9):11–4, 1975 (Eng. Abstr.) **(Rus)**

[Prostaglandins and their effect on the function of the digestive organs] Tlinich VK. **Klin Med (Mosk)** 52(1):30–4, Jan 74 (60 ref.) **(Rus)**

[Study of secretory function of the stomach in middle-aged and old patients] Korkushko OV, et al. **Vrach Delo** (9):57–9, Sep 75 (Eng. Abstr.) **(Rus)**

[The effect of pentagastrin and ornithine-tetragastrin on motor activity of the stomach in skates and scorpion-fish] Gzgzian DM, et al. **Zh Evol Biokhim Fiziol** 11(5):549–51, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Gastric motility and its regulation (author's transl)] Višňovský P. **Cesk Gastroenterol Vyz** 29(7):477–83, Oct 75 **(Slo)**

PHYSIOPATHOLOGY

Proceedings: The effect of truncal vagotomy and drainage on the duodenal osmoreceptor control of gastric emptying. Cook AI, et al. **Br J Surg** 63(8):657–8, Aug 76

Gastric emptying and small intestinal mucosal injury in rats. Kent TH, et al. **Gastroenterology** 69(6):1246–53, Dec 75

The effect of acute hyperglycemia on gastric emptying in man. MacGregor IL, et al. **Gastroenterology** 70(2):190–6, Feb 76

The influence of hypercalcemia on basal and cholecystokinin-stimulated pancreatic, gallbladder, and gastric functions in man. Malagelada JR, et al. **Gastroenterology** 71(3):405–8, Sep 76

The effect of cimetidine, a new histamine H2-receptor antagonist, on meal-stimulated acid secretion, serum gastrin, and gastric emptying in patients with duodenal ulcer. Richardson CT, et al. **Gastroenterology** 71(1):19–23, Jul 76

A relation between the energy of food and gastric emptying in men with duodenal ulcer. Stubbs DF, et al. **Gut** 16(9):693–4, Sep 75

Motion sickness and other vestibulo-–gastric illnesses. pp 371–7. Money KE, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

Gastric function in chronic renal failure. Effects of maintenance haemodialysis. McConnell JB, et al. **Lancet** 2(7945):1121–3, 6 Dec 75

Letter: Hypersecretion and length of history in duodenal ulceration. Sircus W. **Lancet** 2(7927):229, 2 Aug 75

Gastric emptying of hypertonic glucose in diabetes mellitus and duodenal ulcer. Hall WH, et al. **South Med J** 69(4):433–5, Apr 76

[Changes in the bioelectrical activity of the stomach and duodenum in dogs with acute phosphoorganic compound poisoning before and after treatment with preparation H-5/T] Kotev G, et al. **Eksp Med Morfol** 12(2):61–5, 1973 (Eng. Abstr.) **(Bul)**

[In vivo and in vitro gastric electrical activity in patients with gastric or duodenal ulcer (author's transl)] Altaparmacov I, et al. **Arch Fr Mal App Dig** 65(2):135–44, Mar 76 (Eng. Abstr.) **(Fre)**

[Disturbance of gastric emptying in diabetes mellitus (author's transl)] Forgács S.
Fortschr Geb Roentgenstr Nuklearmed 122(6):541–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Functional gastric diagnosis (author's transl)] Meves M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):339–45, Apr 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Changes in electromyography of the stomach in experimental ulcer. II] Iwasaki A, et al.
Jpn Arch Intern Med 11(4):249–51, Dec 75 **(Jpn)**

[Gastric emptying in patients with peptic ulcer] Miyaoka T, et al. **Jpn J Gastroenterol** 72(9):1120–7, Sep 75 (Eng. Abstr.) **(Jpn)**

[Effect of secretin-pancreozymin on the motor and secretory functions of the stomach and duodenum in peptic ulcer] Esenin VI, et al. **Klin Med (Mosk)** 52(3):47–53, Mar 74 **(Rus)**

[Motor-evacuation function of the gastrointestinal tract before and after reconstructive surgery] Maksumov DN, et al. **Klin Med (Mosk)** 53(6):85–90, Jun 75 (Eng. Abstr.) **(Rus)**

[Changes of the acid-forming function of the stomach in patients with iron deficiency anemia and their significance in iron assimilation] Ryss ES, et al. **Klin Med (Mosk)** 53(11):41–7, Nov 75 **(Rus)**

[Functional-morphological relationship between the stomach and duodenum in pathological state] Sadkova TN.
Klin Med (Mosk) 53(6):99–102, Jun 75 (Eng. Abstr.) **(Rus)**

[Characteristics of gastric secretion and mucosal barrier in stomach ulcer in middle-aged and old persons] Maiorov VM, et al. **Sov Med** (2):26–33, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of anginine on the state of the stomach and pancreas in diabetes mellitus] Semichastnova AG, et al. **Sov Med** (10):36–42, Oct 75 **(Rus)**

[Effect of pharmacological preparations on the motor function of the esophagus and stomach in acute poisoning] Il'chenko LA. **Ter Arkh** 48(5):127–30, 1976 **(Rus)**

[Motor function of the gastrointestinal tract after extensive resection of the small intestine] Genyk SN. **Vestn Khir** 115(7):44–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Functional state of the resected stomach stump in peptic ulcer] Makarenko TP, et al. **Vestn Khir** 115(10):16–19, OCT 75 (Eng. Abstr.) **(Rus)**

[Secretory function of the stomach in patients with pulmonary tuberculosis associated with ulcer disease, chronic gastritis and cholecystoangiocholitis] Barenboĭm AM, et al. **Vrach Delo** (3):108–12, Mar 76 (Eng. Abstr.) **(Rus)**

[Indicators od intragastric pH-metry in complicated ulcer disease] Chernobrodyĭ VN. **Vrach Delo** (12):18–22, Dec 75 (Eng. Abstr.) **(Rus)**

[Secretory function of the stomach and small-intestinal absorption during tube feeding of patients with peptic ulcer] Kovalev MM, et al. **Vrach Delo** (2):49–54, Feb 76 (Eng. Abstr.) **(Rus)**

[Changes of the functional state of the gastrointestinal tract in patients with vibration disease and in persons after long-term exposure to vibration] Manchak LV, et al. **Vrach Delo** (7):31–4, Jul 75 (Eng. Abstr.) **(Rus)**

[Electrogastrography in patients with peptic ulcer] Vargatyĭ IaP. **Vrach Delo** (2):42–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of 'Mirgorodskaia' mineral water on the acid-forming gastric function in patients with chronic gastritis] Zhuk VV, et al. **Vrach Delo** (12):43–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Functional state of the stomach in children with tonsillitis] Beliaev IuD, et al. **Zh Ushn Nos Gorl Bolezn** (2):35–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Some indices of the functional state of the stomach in children with liver and biliary tract diseases] Chebotareva VD, et al. **Pediatr Akush Ginekol** (4):15–7, Jul–Aug 75 **(Ukr)**

[State of the motor function of the stomach in chronic gastritis and peptic ulcer in children according to electrogastrographic data] Mel'nik AI, et al.
Pediatr Akush Ginekol (2):9–10, Mar–Apr 76 **(Ukr)**

RADIATION EFFECTS

The modification of gastrointestinal tolerance and responses to abdominal irradiation by chemotherapeutic agents. Schenken LL, et al. **Radiology** 120(2):417–20, Aug 76

The modification of gastrointestinal tolerance and responses to abdominal irradiation by chemotherapeutic agents. Schenken LL, et al. **Radiology** 120(2):417–20, Aug 76

RADIOGRAPHY

Acute radiological investigation of oesophagus and stomach in the event of massive upper gastro-intestinal tract bleeding. Madsen OG. **Acta Chir Scand** 142(1):73–7, 1976

Double-contrast gastrography. Goldstein HM.
Am J Dig Dis 21(9):797–803, Sep 76

Air or gas within the wall of the stomach. Siegel HA.
Am J Gastroenterol 64(6):490–3, Dec 75

The endoscopy corner: removal of foreign bodies from the upper intestinal tract with fiberoptic instruments. Waye JD.
Am J Gastroenterol 65(6):557–9, Jun 76

Evaluation of routine double contrast views of the anterior wall of the stomach. Goldsmith MR, et al.
Am J Roentgenol 126(6):1159–63, Jun 76

Practical significance of gastric rugal folds. Press AJ.
Am J Roentgenol Radium Ther Nucl Med 125(1):172–83, Sep 75

Radiology of the left lobe of the liver. Gupta SK, et al.
Australas Radiol 19(2):181–90, Jun 75

Proceedings: The radiological demonstration of the surface pattern of the stomach. Kreel L. **Br J Radiol** 48(575):942, Nov 75

Double contrast barium meal examination – a comparison of techniques for introducing gas. James WB, et al.
Clin Radiol 27(1):99–101, Jan 76

Erosive gastritis of varioliform type. Mortelmans P, et al.
J Belge Radiol 58(4):271–4, Jul–Aug 75

Recent advances in gastroduodenal radiology. The surface pattern of the stomach. Kreel L. **Proc R Soc Med** 68(2):111–4, Feb 75

Proceedings: Premedication for radiological examination of the stomach. Op den Orth JO. **Radiol Clin (Basel)** 45(1):53–4, 1976

A simple method for routine double-contrast study of the upper gastrointestinal tract. Laufer I. **Radiology** 117(3 Pt 1):513–8, Dec 75

The air-contrast stomach examination: an overview. Miller RE. **Radiology** 117(3 Pt 1):743–4, Dec 75

Evaluation of the gastrocolic space in 100 cases of acute pancreatitis. Moreno G, et al. **Radiology** 118(3):535–8, Mar 76

The stalactite phenomenon in double contrast studies of the stomach. Op den Orth JO, et al. **Radiology** 117(3 Pt 1):523–5, Dec 75

[Radiological examination of the stomach in Copenhagen country. Incidence and results] Bonnevie O.
Ugeskr Laeger 138(23):1375–81, 31 May 76 (Eng. Abstr.) **(Dan)**

[Radiologic examination of the stomach by the double contrast method] Crocella A.
J Radiol Electrol Med Nucl 56 suppl 2:616–7, 1975 **(Fre)**

[Double contrast radiography in the study of the gastric posterior wall (author's transl)] Descombes P, et al.
J Radiol Electrol Med Nucl 57(1):1–6, Jan 76 (Eng. Abstr.) **(Fre)**

[The radiologic aspects after highly selective vagotomy (author's transl)] Eidesheim D, et al.
J Radiol Electrol Med Nucl 56(12):841–6, Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Typical and atypical images of pancreatic origin in double-contrast examinations of the stomach] Hodez C, et al. **J Radiol Electrol Med Nucl** 56(12):927–8, Dec 75 **(Fre)**

[Radiologic study of gastric transit after ingestion of natural soda water] Delestré JP, et al. **Sem Hop Paris** 51(5):303–9, 26 Jan 75 (Eng. Abstr.) **(Fre)**

[False radiologic image of an adrenal tumor due to the large gastric tuberosity] Hillemand B, et al. **Sem Hop Paris** –51(46):2811–3, 23 Nov 75 **(Fre)**

[Economic standardized roentgen diagnosis of the stomach] Dihlmann W. **Dtsch Med Wochenschr** 101(23):900–4, 4 Jun 76 **(Ger)**

[Results of gastric lymphography with particular reference to gastric carcinoma (author's transl)] Schacht U, et al. **Dtsch Med Wochenschr** 101(19):725–9, 7 May 76 (Eng. Abstr.) **(Ger)**

[The double contrast technic: optimal technic of roentgenographic stomach examination] Treichel J, et al. **Dtsch Med Wochenschr** 100(43):2226–9, 24 Oct 75 **(Ger)**

[On radiological function diagnosis on stomach and duodenum following vagotomy and pyloroplasty (author's transl)] Gottschild D, et al. **Radiol Diagn (Berl)** 16(3):339–44, 1975 (Eng. Abstr.) **(Ger)**

[Suggestions for a routine methode. (author's transl)] Tschaikowski KL. **Roentgenblaetter** 29(8):399–404, Aug 76 (Eng. Abstr.) **(Ger)**

[A simple method of double contrast examintaion of the stomach] Kriedemann E, et al. **Z Aerztl Fortbild (Jena)** 69(19):1016–7, 1 Oct 75 **(Ger)**

[Compensating filters for reduction of patient exposure in X-ray examination of the stomach] Hamasato K.
Jpn J Clin Radiol 21(1):61–7, Jan 76 **(Jpn)**

[Improvement in radiation planning technics—an innovation in upper gastrointestinal radiography] Nakamura K, et al.
Jpn J Clin Radiol 20(12):1115–20, Nov 75 **(Jpn)**

[Double density of the lesser curvature of the stomach– a finding in cancer of the body and tail of the pancreas] Watanabe T, et al. **Jpn J Clin Radiol** 20(13):1141–7, Dec 75 **(Jpn)**

[Position of cardia, angulus and pylorus in various position. Statistical analysis by computer (author's transl)] Ohshima M, et al. **Nippon Acta Radiol** 35(11):959–68, 1975 (Eng. Abstr.) **(Jpn)**

[Repercussion of pancreatic volume in the frontal radiography of the stomach] Parra OM, et al.
Rev Assoc Med Bras 21(8):245–7, Aug 75 (Eng. Abstr.) **(Por)**

[Combined endoscopic studies in the diagnosis of diseases of the upper segment of the digestive tract] Sotnikov VN, et al. **Khirurgiia (Mosk)** (6):60–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Pneumogastrography in the diagnosis of perforating gastroduodenal ulcers] Datkhaev IuI, et al. **Sov Med** (11):73–5, Nov 75 **(Rus)**

[Critical view of the Assman-Faulhaber symptom] Moskalets IuV, et al. **Vestn Rentgenol Radiol** (6):28–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

SECRETION

Histochemical studies on the influence of experimental vagotomy on epithelial mucous substances in the stomach and jejunum of white rats. Wesclowski H, et al.
Folia Morphol (Warsz) 35(1):7–14, 1976

Letter: Cellular site of secretion of 99mTcO4 in the stomach—a controversial point. Chaudhuri TK.
J Nucl Med 16(12):1204–5, Dec 75

Effects of sound stimulus on gastric secretion and plasma corticosterone level in rats. Guha D, et al.
Res Commun Chem Pathol Pharmacol 13(2):273–81, Feb 76

Sodium secretion as part of the formation of gastric juice. Obrink KJ. **Ups J Med Sci** 80(2):65–70, 1975

[Acid-producing function of the gastric stump in patients with postgastrectomy syndromes] Mareev TuS, et al.
Khirurgiia (Mosk) (6):14–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Relationship between the activity of the salivary glands, stomach glands and kidneys in the excretion of estrogens] Popov IuD, et al. **Vrach Delo** (11):79–82, Nov 75 (Eng.

Abstr.) (Rus)

SURGERY

Letter: Jejunoileal bypass. Mason EE. **Am J Clin Nutr** 29(9):938–9, Sep 76

Yeast bezoar formation following gastric surgery. Perttala Y, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):365–73, Oct 75

Bleeding from stapler anastomosis. Fischer MG. **Am J Surg** 131(6):745–7, Jun 76

Gastric bypass. Hornberger HR. **Am J Surg** 131(4):415–8, Apr 76

Optimizing results of gastric bypass. Mason EE, et al. **Ann Surg** 182(4):405–14, Oct 75

Letter: More on fundoplication. Mullen JT. **Arch Surg** 110(12):1517, Dec 75

Hiatal hernia repair by posterior gastropexy. Marshall RD, et al. **Aust NZ J Surg** 45(4):376–80, Nov 75

Repair of epigastric incisional hernia. Maguire J, et al. **Br J Surg** 63(2):125–7, Feb 76

Antrectomy with Roux–en–Y anastomosis in the treatment of peptic oesophagitis with stricture. Royston CM, et al. **Br J Surg** 62(8):605–7, Aug 75

Plasma enteroglucagon and plasma volume change after gastric surgery. Thomson JP, et al. **Clin Sci Mol Med** 51(2):177–83, Aug 76

The effect of betazole on serum group I pepsinogen levels: studies in symptomatic patients with and without recurrent ulcer after vagotomy and gastric resection or drainage. Samloff IM, et al. **Gastroenterology** 70(6):1007–13, Jun 76

Elevated serum xanthine oxidase activity following biliary tract and gastric surgery. Giler S, et al. **Int Surg** 61(3):153–5, Mar 76

Plastic surgery of the ureteropelvic junction with a pedicle stomach flap. Darewicz J, et al. **Int Urol Nephrol** 7(4):263–9, 1975

Problems in abdominal surgery. III. Severe dumping syndromes. Barnett WO. **J Miss State Med Assoc** 17(5):132–5, May 76

Peptic ulcer in children with gastric tube interposition. Anderson KD, et al. **J Pediatr Surg** 10(5):701–7, Oct 75

Phytobezoars following gastric surgery. Buchholz RR. **Med Times** 104(8):82–9, Aug 76

Surgical problems with the postoperative stomach: a technique for meaningful endoscopic evaluation. Waye JD. **Mt Sinai J Med NY** 43(3):291–3, May–Jun 76

President's address. Trial and error in gastric surgery. Desmind AM. **Proc R Soc Med** 69(4):257–62, Apr 76

An evaluation of the Nissen fundoplication. Skucas J, et al. **Radiology** 118(3):539–43, Mar 76

Late complications of gastric surgery: diagnosis and treatment. White TT, et al. **Surg Annu** 8:197–217, 1976 (69 ref.)

Upper intestinal microflora patterns following gastric surgery. DeOrio AJ, et al. **Surg Forum** 26:401–3, 1975

A simplified, improved technique for the Collis gastroplasty for dilatable esophageal strictures. Demos J. **Surg Gynecol Obstet** 142(4):591–2, Apr 76

Evaluation of the effect of fundoplication on the incompetent lower esophageal sphincter. Higgs RH, et al. **Surg Gynecol Obstet** 141(4):571–5, Oct 75

Gastric pull–up operation for replacement of the cervical portion of the esophagus. Silver CE. **Surg Gynecol Obstet** 142(2):243–5, Feb 76

Long–term follow–up of peptic strictures managed by dilatation, modified Collis gastroplasty, and Belsey hiatus hernia repair. Pearson FG, et al. **Surgery** 80(3):396–404, Sep 76

Rate of breaking strength loss of absorbable sutures in the stomach. Postlethwait RW. **Surgery** 78(4):531–3, Oct 75

Gastric mucosal contraction. Rosin RD, et al. **Surgery** 79(5):560–3, May 76

An experimental study of gastric healing following scalpel and diathermy incisions. Rosin RD, et al. **Surgery** 79(5):555–9, May 76

Symposium on surgical techniques in small animal practice. Gastrotomy and pyloroplasty. Arnoczky SP, et al. **Vet Clin North Am** 5(3):343–51, Aug 75

Gastrotomy for removal of foreign bodies in a crocodile. Hartman RA. **Vet Med Small Anim Clin** 71(8):1096–7, Aug 76

Anastomotic ulcer: an unusual cause. Lewis RT, et al. **West Indian Med J** 24(2):102–5, Jun 75

[Creation, in the dog, of a denervated antral pouche, associated with a Heindenhain's pouche: technical considerations relative to surgical time and postoperative complications] Labrid C, et al. **C R Soc Biol (Paris)** 169(3):599–605, 1975 (Eng. Abstr.) (Fre)

[Cardiogastrophrenopexy by abdominal approach] Vayre P, et al. **Med Chir Dig** 4(3):175–9, 1975 (Eng. Abstr.) (Fre)

[Total transposition of the stomach for long–term esophageal substitution plasty] Röher HD. **Chirurg** 47(7):405–7, Jul 76 (Ger)

[Transformation surgery following gastric surgery for ulcer. Gastrojejunostomy (Billroth II) to gastroduodenostomy (Billroth I)] Schreiber HW, et al. **Dtsch Med Wochenschr** 101(38):1392–4, 17 Sep 76 (Ger)

[Essential fatty acids in serum cholesterol esters prior to an following gastric surgery] Wolfram G, et al. **Infusionstherapie** 1(7):537–40, Oct 74 (Eng. Abstr.) (Ger)

[Essential fatty acids in serum cholesterol esters before and after stomach surgery] Wolfram G, et al. **Infusionstherapie** 1(7):537–40, Oct 74 (Eng. Abstr.) (Ger)

[Vascularization of the pancreas after gastric operation (author's transl)] Barke R, et al. **Radiol Diagn (Berl)** 15(1):13–20, 1974 (Eng. Abstr.) (Ger)

[Gastro–entero–cecal intestinal splinting. Preliminary report with a new modification of the procedure] Meissner K. **Zentralbl Chir** 101(1):35–8, 1976 (Ger)

[Retained sutures: an unusual complication of gastric surgery] Ratan J, et al. **Harefuah** 89(9):404–5, 2 Nov 75 (Eng. Abstr.) (Heb)

[Removal of foreign bodies from children's stomachs by means of a fibroscope] Lajos D. **Orv Hetil** 117(6):348–50, 8 Feb 76 (Hun)

[Intraoperative gastroscopy and duodenoscopy] Porwolik E, et al. **Pol Przegl Chir** 47(7):957–9, Jul 75 (Eng. Abstr.) (Pol)

[Concerning mechanical esophagogastrostomy and principles of postoperative management of the patients (author's transl)] Górka Z. **Przegl Lek** 32(7):608–10, 1975 (Eng. Abstr.) (Pol)

[Local freezing of the esophagus, stomach and vessels in experimental surgery] Doletskiĭ AS, et al. **Eksp Khir Anesteziol** (1):35–9, 1976 (Eng. Abstr.) (Rus)

[Reimplantation of the stomach (technic, functional and morphological results)] Feofilov GL, et al. **Eksp Khir Anesteziol** (2):21–4, Mar–Apr 75 (Eng. Abstr.) (Rus)

[Technic for forming an esophagogastric and an esophagointestinal anastomosis] Musulmanbekov KZh, et al. **Khirurgiia (Mosk)** (9):40–3, Sep 75 (Eng. Abstr.) (Rus)

[Massive hemorrhage after gastric resection] Aleksandrovich GL. **Klin Khir** (11):71–4, Nov 75 (Rus)

[Tumors of the gastric stump after resection for ulcer disease of the stomach] Gadzhiev AS, et al. **Klin Khir** (11):7–10, Nov 75 (Eng. Abstr.) (Rus)

[Results of reconstructive jejunogastroplasty in dumping syndrome] Kradinov AI, et al. **Vestn Khir** 114(1):101–3, Jan 75 (Eng. Abstr.) (Rus)

[Resection of the esophagus in cicatrical stenosis with simultaneous creation of esophago–gastric anastomosis] Valiev FG. **Vestn Khir** 115(7):62–5, Jul 75 (Eng. Abstr.) (Rus)

[Radiographic characteristics of esophagoplasty with an antiperistaltic flap from the large gastric flexure] Varshavskiĭ IuV, et al. **Vestn Rentgenol Radiol** (2):45–50, Mar–Apr 75 (Eng. Abstr.) (Rus)

[Content of certain free essential amino acids of blood serum after gastric resection] Dudenko GI, et al. **Vrach Delo** (6):80–3, Jun 74 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Reversed gastric tube (RGT) esophagoplasty for failure of colon, jejunum and prosthetic interpositions. Heimlich HJ. **Ann Surg** 182(2):154–60, Aug 75

[Organ transplantations in intestinal tract surgery: history or future?] Largiadèr F. **Schweiz Med Wochenschr** 106(9):281–5, 28 Feb 76 (Eng. Abstr.) (Ger)

[Microcirculation and blood supply to the artificial esophagus from the greater curvature of the stomach] Starchenko VA, et al. **Grudn Khir** (3):107–9, May–Jun 74 (Rus)

[Replacement of the distal sections of the esophagus by a transplant from the greater curvature of the stomach] Mareev IuS, et al. **Khirurgiia (Mosk)** (9):43–7, Sep 75 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Endocrine–type granules in cells of glomus tumor of the stomach. Kim BH, et al. **Arch Pathol** 99(10):544–7, Oct 75

Fine structure of the gastric epithelium of the ascidian Botryllus schlosseri. Mucous, endocrine and plicated cells. Burighel P, et al. **Cell Tissue Res** 158(4):481–96, 20 May 75

Letter: Unusual mitochondria in plasma cells of human gastric lamina propria. von Bassewitz DB, et al. **J Electron Microsc (Tokyo)** 23(4):307–9, 1974

STOMACH, AVIAN

INJURIES

Traumatic ventriculitis in chickens. Awadhiya RP, et al. **Avian Dis** 19(3):626–9, Jul–Sep 75

PHYSIOLOGY

Gastroduodenal electrical activity in turkeys. Duke GE, et al. **Am J Dig Dis** 20(11):1047–58, Nov 75

STOMACH DILATATION

CHEMICALLY INDUCED

Acute dilatation of stomach as late complication of drug overdose. How J, et al. **Br Med J** 1(6009):563–4, 6 Mar 76

COMPLICATIONS

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37–1976. **N Engl J Med** 295(11):608–14, 9 Sep 76

ETIOLOGY

Acute gastric dilatation after trauma. Kasenally AT, et al. **Br Med J** 2(6026):21, 3 Jul 76

[Acute ventricular atony after excessive intake of food] Conrad C, et al. **Ugeskr Laeger** 138(33):2007–8, 9 Aug 76 (Eng. Abstr.) (Dan)

[Letter: Acute dilation of the stomach, of the duodenum and of a part of the jejunum] Francois R. **Nouv Presse Med** 4(24):1812–3, 14 Jun 75 (Fre)

STOMACH DISEASES

Gastroesophageal reflux. Rogers AI. **Compr Ther** 1(5):45–50, Sep 75

Primary gastric candidiasis in uncompromised subjects. Nelson RS, et al. **Gastrointest Endosc** 22(2):92–4, Nov 75

[Eosinophilic granuloma (inflammatory fibrinoid polyp) of the gastrointestinal tract] Rutgeerts L, et al. **Tijdschr Gastroenterol** 18(1):21–30, 1975 (Eng. Abstr.) (Dut)

[Gastric phycomycosis. Early anatomo–pathological and mycological diagnosis. Favorable course under medical then surgical treatment] Douvin D, et al. **Arch Anat Pathol (Paris)** 23(2):133–8, Jun 75 (Fre)

[Aneurysm of the splenic artery ruptured into the stomach] Krivine JM, et al. **Chirurgie** 101(3):218–23, 26 Feb–5 Mar 75 (Eng. Abstr.) (Fre)

[Dull pain and nodule formation at the right costal region: amyoloidosis (of the stomach and lung)] Horiguchi M. **Jpn J Clin Med** Spec No:784–5, 1148–51, 10 Apr 75 (Jpn)

[Gastric syphilis. Case 1: epigastric pain and vomiting, Case 2: dilatation of the gastric region (cases of possible gastric cancer with positive radiographic and endoscopic results but with negative biopsy and cytodiagnostic findings)] Kasugai T. **Jpn J Clin Med** Spec No:744–5, 1072–5, 10 Apr 75 (Jpn)

[Eosinophilic granuloma of the stomach] Săvulescu V, et al. **Rev Med Intern [Med Intern]** 28(2):159–60, Mar–Apr 76 (Rum)

[Diagnosis and treatment of gastric phlegmon] Gushcha AL, et al. **Khirurgiia (Mosk)** (6):47–52, Jun 75 (Eng. Abstr.) (Rus)

[Diverticulosis of the gastrointestinal tract] Leskseenko VM, et al. **Vrach Delo** (12):30–3, Dec 75 (Eng. Abstr.) (Rus)

BLOOD

Serum pyridoxal in patients with gastric pathology. Sanderson CR, et al. **Gut** 17(5):371–4, May 76

[Serum gastrin levels in patients with changes of gastric or duodenal mucosa (author's transl)] Ewers HR, et al. **Med Klin** 71(23):992–8, 4 Jun 76 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

The biochemical pathology of aspirin–induced gastric damage. Rainsford KD. **Agents Actions** 5(4):326–44, Oct 75 (176 ref.)

Caustic ingestion and subsequent damage to the oropharyngeal and digestive passages. Kirsh MM, et al. **Ann Thorac Surg** 21(1):74–82, Jan 76 (35 ref.)

Enteric–coated aspirin overdose and gastric perforation. Farrand RJ, et al. **Br Med J** 4(5988):85–6, 11 Oct 75

Letter: Enteric–coated aspirin overdose and gastric perforation. Gumpel JM. **Br Med J** 4(5991):287, 1 Nov 75

Drugs and gastric damage. Cooke AR. **Drugs** 11(1):36–44, 1976

[Gastric lesions caused by potassium permanganate tablets. Measures to be taken after ingestion] Célerier M, et al. **J Chir (Paris)** 109(3):307–14, Mar 75 (Eng. Abstr.) (Fre)

[Acute lesions of the gastric mucosa. Apropos of 200 cases. I. Etiology and pathological anatomy] De la Revilla L, et al. **Rev Esp Enferm Apar Dig** 47(2):169–80, Feb 76 (Spa)

COMPLICATIONS

The association of duodenogastric reflux with dumping and gastric retention. Donovan IA, et al. **Br J Surg** 63(5):349–51, May 76

Diffuse submucosal cysts and carcinoma of the stomach. Iwanaga T, et al. **Cancer** 36(2):606–14, Aug 75

Gastric sarcoidosis presenting with haematemesis. Fung WP, et al. **Med J Aust** 2(2):47–9, 12 Jul 75

Ehlers–Danlos syndrome presenting with torsion of stomach. Linnemann MP, et al. **Proc R Soc Med** 68(5):330–2, May 75

Acute gastroduodenal lesions related to severe sepsis. Le Gall JR, et al. **Surg Gynecol Obstet** 142(3):377–80, Mar 76

Duodenogastric reflux of lysolecithin in the pathogenesis of experimental porcine stress ulceration. Kivilaakso E, et al. **Surgery** 79(1):65–9, Jan 76

[A rare cause of antro–pyloric stenosis in the child: septic granulomatosis. Concerning one case (author's transl)] Hassan M, et al. **J Radiol Electrol Med Nucl** 57(1):93–5, Jan 76 (Eng. Abstr.) (Fre)

[Post–traumatic diaphragmatic hernia in a 9–year–old boy complicated by gastric torsion] Sawicz–Birkowska K, et al. **Wiad Lek** 29(5):437–40, 1 Mar 76 (Eng. Abstr.) (Pol)

[Gastric resection in pulmonary tuberculosis] Tarshis VE, et al. **Klin Med (Mosk)** 53(12):75–8, Dec 75 (Eng. Abstr.) (Rus)

[Esophago-gastric insufficiency as one of the causes of vomiting and regurgitation in young children] Nizovtsev RA. **Pediatriia** (11):34–6, Nov 75 (Eng. Abstr.) **(Rus)**

[Phytobezoar in combination with a stomach ulcer] Iusubov DR. **Vestn Khir** 114(4):116, Apr 75 **(Rus)**

DIAGNOSIS

Amyloidosis of the stomach: report of an unusual case and review of the literature. Macmanus Q, et al. **Am Surg** 42(8):607–10, Aug 76

Diaphragmatic Gerszten E, et al. **Bull NY Acad Med** 52(5):601–4, Jun 76

[Gastric mucosal dysplasias: what is their clinical significance (author's transl)] Oehlert W, et al. **Dtsch Med Wochenschr** 100(39):1950–6, 26 Sep 75 (Eng. Abstr.)

Endoscopic features of gastroduodenal Crohn's disease. Danzi JT, et al. **Gastroenterology** 70(1):9–13, Jan 76

Gastric sarcoidosis, presenting as antral scarring. Blackstone MO, et al. **Gastrointest Endosc** 22(4):211–2, May 76

Endoscopic diagnosis of Crohn's disease of the stomach; report of a case. Iswara K, et al. **Gastrointest Endosc** 22(2):96–7, Nov 75

Primary tuberculosis of stomach (a case report). Talib SH, et al. **J Assoc Physicians India** 23(4):291–3, Apr 75

Gastric erosions: radiological and endoscopic aspects. Den Orth JO, et al. **Radiol Clin (Basel)** 45(2–4):88–99, 1976

[Cytological study of alpha-chymotrypsin stomach washing in diagnosis of stomach neoplasms – analysis of 600 cases] **Chin Med J [Engl]** (6):415–7, 1975 **(Chi)**

[Endoscopy and gastric chromodiagnosis (author's transl)] Jirásek V, et al. **Cesk Gastroenterol Vyz** 30(2):91–9, Mar 76 (Eng. Abstr.) **(Cze)**

[Fibroscopy of the stomach in the field practice] Bitter J. **Vnitr Lek** 22(3):226–31, Mar 76 (Eng. Abstr.) **(Cze)**

[Significance of impressions in the stomach demonstrated by fibergastroscopy] Halse SA, et al. **Ugeskr Laeger** 138(16):977–81, 12 Apr 76 (Eng. Abstr.) **(Dan)**

[Comparison between gastric radiology and fiber endoscopy (author's transl)] Monges H, et al. **J Radiol Electrol Med Nucl** 56(10):657–62, Oct 75 (Eng. Abstr.) **(Fre)**

[Correlation of radiology, endoscopy and biopsy in the pathology of the gastric fundus] Montesi A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:621–2, 1975 **(Fre)**

[Functional gastric diagnosis (author's transl)] Meves M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):339–45, Apr 76 (Eng. Abstr.) **(Ger)**

[Endoscopic follow-up studies of erosions of the gastric mucosa (author's transl] Krentz K, et al. **Med Klin** 71(4):156–62, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[Clinical significance of exfolative cytology of the stomach] Austerhoff A, et al. **Med Welt** 27(27):1330–2, 2 Jul 76 **(Ger)**

[Significance of the gastrocamera in a municipal hospital] Gaisberg U. **Med Welt** 27(12):571–4, 19 Mar 76 **(Ger)**

[Modified Cr51-chromium-albumin test for the differential diagnosis of exudative gastropathies and enteropathies] Krejs GJ, et al. **Schweiz Med Wochenschr** 105(36):1135–7, 6 Sep 75 (Eng. Abstr.) **(Ger)**

[Gastroscopy — a routine procedure in the investigation of diseases of the stomach (author's transl)] Höllerl G, et al. **Wien Klin Wochenschr** 87(17):544–7, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Expert testimony and work capacity in stomach diseases] Koelsch KA. **Z Aerztl Fortbild (Jena)** 70(8):397–400, 15 Apr 76 **(Ger)**

[Complete gastric erosions--a relatively frequent gastroscopy finding] Hauzeur F, et al. **Z Gesamte Inn Med** 30(10):353–5, 15 May 75 (Eng. Abstr.) **(Ger)**

[Clinical and physiopathological aspects of the hyposthenic, gastric, functional protopathic syndrome] Consolo F. **Minerva Gastroenterol** 21(3):115–9, Jul–Sep 75 (Eng. Abstr.) **(Ita)**

[Gastric cytological diagnosis] Durante E. **Minerva Med** 67(7):425–8, 11 Feb 76 **(Ita)**

[Gastroscopy data from a medical department] Berstad A, et al. **Tidsskr Nor Laegeforen** 96(4):223–5, 10 Feb 76 (Eng. Abstr.) **(Nor)**

[Gastric eosinophilic granuloma] Spychalski E. **Pol Tyg Lek** 30(51):2145–6, 22 Dec 75 (Eng. Abstr.) **(Pol)**

[Gastric biopsy in the diagnosis of stomach diseases] Nesvetov AM. **Arkh Patol** 37(6):37–41, 1975 (Eng. Abstr.) **(Rus)**

[Incarcerated eosinophilic granuloma of the stomach] Pivinskii NP, et al. **Khirurgiia (Mosk)** (9):123, Sep 75 **(Rus)**

[Primary amyloidosis of the stomach] Mordvinkina TN. **Klin Khir** (9):70–1, 1975 **(Rus)**

[Are gastroscopy and aimed gastrobiopsy expedient in the study of drug-induced stomach diseases?] Tsodikov GV. **Klin Med (Mosk)** 53(6):144, Jun 75 **(Rus)**

[Endoscopy in the diagnosis of diseases of the esophagus, stomach and duodenum] Lutsevich EV, et al. **Vestn Khir** 115(11):23–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Cytological diagnosis of stomach cancer] Zaisanova TK, et al. **Zdravookhr Kirg** (1):42–4, Jan–Feb 76 **(Rus)**

[Use of fibrogastroscopy] Zubekhina LM, et al. **Zdravookhr Kirg** (1):32–4, Jan–Feb 76 **(Rus)**

[Photofibergastroscopy in the diagnosis of stomach diseases] Vanovski tb, et al. **God Zb Med Fak Skopje** 20:73–7, 1974 (Eng. Abstr.) **(Ser)**

[Discriminative analysis of diphenylamine reaction in cancer of the stomach, atrophic gastritis, and some benign gastropathies (author's transl)] Duriš I, et al. **Bratisl Lek Listy** 64(5):555–66, Nov 75 (Eng. Abstr.) **(Slo)**

[Problems of gastric mucosal surface lesions (an endoscopic study) (author's transl)] Beňo I, et al. **Cesk Gastroenterol Vyz** 29(5):320–4, Jul 75 (Eng. Abstr.) **(Slo)**

[Sensitivity and specificity of the clinical signs in the differential diagnosis of chronic gastritis, peptic ulcer and functional stomach diseases in children] Belousov IuV. **Pediatr Akush Ginekol** (2):5–7, Mar–Apr 76 **(Ukr)**

DRUG THERAPY

Drug therapy for postragotomy gastric stasis. Sheiner HJ, et al. **Br J Surg** 63(8):608–11, Aug 76

Effect of metoclopramide in chronic gastric retention after gastric surgery. Metzger WH, et al. **Gastroenterology** 71(1):30–2, Jul 76

[Gastric indications for Gatsrocaps with an experience report] Albach E. **Z Allgemeinmed** 51(17):808–10, 20 Jun 75 **(Ger)**

[Zolimidine. Evaluation of the symptomatic effect in patients with gastroduodenal diseases] Rizzi B, et al. **Minerva Gastroenterol** 21(4):258–65, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

[Studies on drug therapy of hypofunction of gastric motility in gastroptosis] Okuse T, et al. **Clin Endocrinol (Tokyo)** 23(11):1129–31, Nov 75 **(Jpn)**

ENZYMOLOGY

LDH isoenzyme pattern of uninvolved gastric mucosa of patients with gastric carcinoma and benign gastric disease. Woollams R, et al. **Digestion** 14(1):20–8, 1976

ETIOLOGY

Congenital atresia of the duodenum with gastric perforation. Case report and review of the literature. Takebayashi J, et al. **Am J Dis Child** 129(10):1227–8, Oct 75

Letter: Lesser curve necrosis after proximal vagotomy. Hefferman SJ. **Br Med J** 1(6006):398–9, 14 Feb 76

Letter: Ischaemic necrosis of lesser curve of stomach. Taylor TV, et al. **Br Med J** 1(6003):222, 24 Jan 76

Gallbladder perforation into the lesser sac. Berkowitz R, et al. **Int Surg** 61(4):229–30, Apr 76

Gastric necrosis from blunt abdominal trauma. Garfinkle SE, et al. **J Trauma** 16(5):405–7, May 76

Histochemical study of gastric mucosubstances after thermal injury: correlation with endoscopic evidence of acute gastroduodenal disease. McAlhany JC Jr, et al. **J Trauma** 15(7):609–12, Jul 75

Acute gastric changes in patients with acute stroke. Part 2: gastroendoscopic findings and biochemical observation of urinary noradrenalin, adrenalin, 17-OHCS and serum gastrin. Kitamura T, et al. **Stroke** 7(5):464–8, Sep–Oct 76

[Gastric and pleural localization of Waldenström's disease] Laroche C, et al. **Sem Hop Paris** 51(42):2509–14, 23 Oct 75 (Eng. Abstr.) **(Fre)**

[Routine gastric fiber endoscopy in severe head injuries] Monath C, et al. **Sem Hop Paris** 51(19):1281–4, 20 Apr 75 (Eng. Abstr.) **(Fre)**

[Stomach wall necrosis as a complication of proximal selective vagotomy in uremic patients] Uhlschmid G, et al. **Helv Chir Acta** 42(4):547–50, Sep 75 **(Ger)**

[Duodenogastric reflux after vagotomy and pyloroplasty (author's transl)] Rothmund M, et al. **Langenbecks Arch Chir** 340(3):167–78, 10 Feb 76 (Eng. Abstr.) **(Ger)**

[Gastric lesions associated with acute stage of stroke. 2. Gastroendoscopic findings, urinary noradrenaline, adrenaline levels rate, plasma gastrin concentration and urinary excretion rate of 17-OHCS] Kitamura T. **Clin Neurol (Tokyo)** 16(1):23–31, Jan 76 (Eng. Abstr.) **(Jpn)**

[Gastric consequences of toxicoseptic agression] Alexiu O, et al. **Rev Chir [Chir]** 24(5):345–51, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Gastric necrosis after excision and suture of a perforated duodenal ulcer] Vintilă I, et al. **Rev Chir [Chir]** 24(3):203–5, May–Jun 75 **(Rum)**

[Effect of alpha-methyl-p-tyrosine on the development of neurogenic dystrophy in the gastric wall and on its noradrenaline content] Zabrodin ON. **Biull Eksp Biol Med** 79(6):30–2, Jun 75 (Eng. Abstr.) **(Rus)**

[Phlegmon of the isolated stomach occurring 10 years after retrosternal small-intestinal esophagoplasty] Baldala PG, et al. **Khirurgiia (Mosk)** (6):120–1, Jun 75 **(Rus)**

[Ectopy of pancreatic tissue into the stomach] Kanshin NN, et al. **Khirurgiia (Mosk)** (10):139–41, Oct 75 **(Rus)**

[Hematuria and acute gastric dilatation after osteoplastic fixation of the spine in a patient with scoliosis] Demichev NP, et al. **Ortop Travmatol Protez** (11):69–71, Nov 75 **(Rus)**

IMMUNOLOGY

Prevention and suppression by azathioprine of venom-induced protein-losing gastropathy in dogs. Davenport HW. **Proc Natl Acad Sci USA** 73(3):968–70, Mar 76

[Immunoglobulins in the gastric juice in some stomach and duodenal diseases] Maleev A, et al. **Vutr Boles** 14(2):76–82, 1975 (Eng. Abstr.) **(Bul)**

METABOLISM

Food intake and utilization by growing lambs with parasitic damage to the abomasum or small intestine. Sykes AR, et al. **Proc Nutr Soc** 35(1):13A–14A, May 76

OCCURRENCE

[System of mass detection of stomach diseases in the population] Blagovidov DF, et al. **Eksp Khir Anesteziol** (1):10–3, 1976 **(Rus)**

PARASITOLOGY

[Do the eosinophilic granulomas observed in Brittany represent a form of anisakiasis? The larvae of Thynnascaris aduncum do not produce these granulomas experimentally] Vermeil C, et al. **Bull Soc Pathol Exot** 68(1):79–83, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Cytologic studies on so-called atypical epithelium of the protuberant lesions in the stomach. Takeda T, et al. **Acta Cytol (Baltimore)** 19(4):345–50, Jul–Aug 75

Editorial: Intra-operative frozen-section examinations in gastric diseases. Hermanek P, et al. **Acta Hepatogastroenterol (Stuttg)** 23(1):1–2, Feb 76

Gastric cystic polyposis. Chakrovorty RC, et al. **Am J Dig Dis** 20(10):981–9, Oct 75

Electron microscopic study of the repair of aspirin-induced gastric erosions. Yeomans ND. **Am J Dig Dis** 21(7):533–41, Jul 76

Gastric xanthoma. Mast A, et al. **Am J Gastroenterol** 65(4):311–7, Apr 76

Effect of zolimidine, a derivative of imidazo (1,2-a) pyridine, on the gastric mucosa of patients with gastric disorders. Celli L, et al. **Curr Ther Res** 18(1 pt 2):105–23, Jul 75

[Actinomycosis of the stomach] Rozenberg VD. **Arkh Patol** 37(7):64–5, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Healing of stress damage to gastric mucosa in the rat] Antalovská Y, et al. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1–2):11–4, 1974 **(Cze)**

[Clinical and physiopathological aspects of the hyposthenic, gastric, functional protopathic syndrome] Consolo F. **Minerva Gastroenterol** 21(3):115–9, Jul–Sep 75 (Eng. Abstr.) **(Ita)**

[Secretory and hormonal features of the protopathic functional gastric hyposthenic syndrome] Ferraú O. **Minerva Gastroenterol** 21(4):217–25, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

[Functional gastropathy] Krygier T. **Pol Tyg Lek** 31(16):679–80, 19 May 76 **(Pol)**

[Current studies in the clinical physiology of gastric secretion] Banciu T. **Rev Med Intern [Med Intern]** 27(2):83–92, Mar–Apr 75 (70 ref.) **(Rum)**

PREVENTION & CONTROL

[Prophylaxis of acute gastric erosions with vitamin A in the rat (author's transl)] Inthorn D, et al. **Res Exp Med (Berl)** 165(3):199–203, 24 Sep 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Suture granulomas simulating tumors: a preventable postgastrectomy complication. Gueller R, et al. **Am J Dig Dis** 21(3):223–8, Mar 76

Air or gas within the wall of the stomach. Siegel HA. **Am J Gastroenterol** 64(6):490–3, Dec 75

Lymphoreticular hyperplasia of the stomach (pseudolymphoma). Martel W, et al. **Am J Roentgenol** 127(2):261–5, Aug 76

Practical significance of gastric rugal folds. Press AJ. **Am J Roentgenol Radium Ther Nucl Med** 125(1):172–83, Sep 75

Gastric pneumatosis in infancy. Leonidas JC. **Arch Dis Child** 51(5):395–8, May 76

Multiple superficial gastric erosions due to Crohn's disease of the stomach. Radiologic and endoscopic diagnosis. Laufer I, et al. **Br J Radiol** 49(584):726–8, Aug 76

Gastroduodenal involvement, with pain, vomiting, and weight loss. Ansari A, et al. **JAMA** 235(18):2013–4, 3 May 76

An unusual upper abdominal gas pattern. Manoliu RA, et al. **Radiol Clin (Basel)** 45(2–4):100–4, 1976

Intrathoracic stomach: when does it obstruct? Gerson DE, et al. **Radiology** 119(2):257–64, May 76

Diagnosis of partial gastric diverticula. Treichel J, et al. **Radiology** 119(1):13–8, Apr 76

[Comparison between gastric radiology and fiber endoscopy (author's transl)] Monges H, et al. **J Radiol Electrol Med Nucl** 56(10):657–62, Oct 75 (Eng. Abstr.) **(Fre)**

[Endoscopic discordances and concordances in gastroduodenal radiodiagnosis] Rocco R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:623–4, 1975 **(Fre)**

[Haustral changes in the colon due to diseases of the pancreas

and stomach (author's transl)] Schaudig G. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):542–7, Dec 75 (Eng. Abstr.) **(Ger)**

[The candidiosis of the stomach] Vitovec J. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):289–90, Mar 76 **(Ger)**

[Double contrast examination of the stomach. Definition, technic and indications] Frik W, et al. **Z Gastroenterol** 14(4):487–97, Jul 76 (Eng. Abstr.) **(Ger)**

[Comparative examinations of stomach and duodenum with the use of Buscolysin and Cerucal] Conrad G, et al. **Z Gesamte Inn Med** 31(11):377–82, 1 Jun 76 **(Ger)**

[Simple prescription for double-contrast presentation of the stomach] Luschnitz E. **Z Gesamte Inn Med** 30(22):735–8, 15 Nov 75 (Eng. Abstr.) **(Ger)**

[Hypertrophy of the pyloric muscle in the adult from the preoperative viewpoint] Assmann H, et al. **Zentralbl Chir** 101(9):535–41, 1976 **(Ger)**

[Radiological appearance of yeast-like fungi and bezoars in the stomach after vagotomy and pyloroplasty (author's transl)] Raszke K, et al. **Pol Przegl Radiol** 40(1):17–21, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Our experience with the use of the double-contrast radiological method in the diagnosis of difficult cases of diseases of the esophago-cardial tuberosity] Suteanu S, et al. **Rev Med Intern [Med Intern]** 28(1):63–72, Jan–Feb 76 (Eng. Abstr.) **(Rum)**

[Critical view of the Assman–Faulhaber symptom] Moskalets IuV, et al. **Vestn Rentgenol Radiol** (6):28–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Evaluation of pneumogastrofluorography in detection of stomach diseases] Pankov AK, et al. **Vestn Rentgenol Radiol** (2):83–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Apical diverticula of the gastric fornix] Stanković S. **Med Pregl** 28(7–8):331–4, 1975 **(Ser)**

SURGERY

Intramural gastric abscess. Murphy JF, et al. **Am J Surg** 131(5):618–21, May 76

Gastroduodenal Crohn disease. Tootla F, et al. **Arch Surg** 111(8):855–7, Aug 76

A comparative study of cardio-pulmonary incidences in the major gastric surgery. Serafimova J, et al. **God Zb Med Fak Skopje** 17:51–5, 1971

[Pyloric-antral muscular hypertrophy in adults] Altunkov P, et al. **Khirurgiia (Sofiia)** 28(1):21–4, 1975 (Eng. Abstr.) **(Bul)**

[Gastric hemorrhage creating diagnostic difficulties] Atanasov A. **Khirurgiia (Sofiia)** 27(4):295–9, 1974 (Eng. Abstr.) **(Bul)**

[Case of a successfully treated pyogenic abscess of the liver involving the left lobe and a great part of the stomach] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 28(2):197–8, 1975 **(Bul)**

[The patient with the operated on stomach] Steinhagen P, et al. **Internist (Berlin)** 16(6):252–9, Jun 75 (65 ref.) **(Ger)**

[Rugectomy] **ZFA** 52(4):216, 10 Feb 76 **(Ger)**

[Figure-of-8 suture with external splinting with acrylic plates in the management of wounds following evisceration Renkielski K, et al. **Pol Przegl Chir** 48(6):705–7, Jun 76 (Eng. Abstr.) **(Pol)**

[Barium sulfate tablets in the evaluation of motor activity of the alimentary tract following surgery] Janicki S, et al. **Pol Tyg Lek** 31(9):353–5, 1 Mar 76 (Eng. Abstr.) **(Pol)**

[Surgical treatment of combined cicatricial stenoses of the esophagus and stomach] Avulova OM. **Khirurgiia (Mosk)** (11):34–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Treatment of gastric phlegmon] Utkin NI, et al. **Khirurgiia (Mosk)** (6):119–20, Jun 75 **(Rus)**

THERAPY

Selective arterial embolization for control of massive upper gastrointestinal bleeding. Reuter SR, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):119–26, Sep 75

[Apropos of the treatment of functional postvagotomy gastrostasis] Chomakova A, et al. **Khirurgiia (Sofiia)** 28(2):127–31, 1975 (Eng. Abstr.) **(Bul)**

[Treatment of patients with acute gastrectasia] Lapin MD. **Vestn Khir** 116(3):32–6, Mar 76 **(Rus)**

VETERINARY

Anthelmintic activity of mebendazole against naturally acquired gastrointestinal nematodes in sheep. Varga I, et al. **Acta Vet Acad Sci Hung** 25(1):105–11, 1975

Occurrence of second and third instars of Gasterophilus intestinalis and Gasterophilus nasalis in stomachs of horses in Kentucky. Drudge JH, et al. **Am J Vet Res** 36(11):1585–8, Nov 75

Efficacy of Fenbendazole against gastrointestinal parasites of sheep. Kennedy TJ, et al. **Am J Vet Res** 36(10):1465–7, Oct 75

Relationship of pasture rotation to acquisition of gastrointestinal nematodes by sheep. Levine ND, et al. **Am J Vet Res** 36(10):1459–64, Oct 75

Critical tests with oxibendazole against gastrointestinal parasites of ponies. Nawalinski T, et al. **Am J Vet Res** 37(4):469–71, Apr 76

Plasma concentrations of pepsinogen and corticosteroid in relation to gastric lesions in swine. Zamora CS, et al. **Am J Vet Res** 36(9):1327–9, Sep 75

A review of bloat in cattle. Howarth RE. **Can Vet J** 16(10):281–94, Oct 75 (104 ref.)

Bloat in cattle. XVII. Wheat pasture bloat and its prevention with poloxalene. Bartley EE, et al. **J Anim Sci** 41(3):752–9, Sep 75

Efficacy of p-Toluoyl chloride phenylhydrazone against gastrointestinal helminths in ovines. Folz SD, et al. **J Parasitol** 62(2):281–5, Apr 76

Gastric mucormycosis and moniliasis in an unimmunosuppressed pig following renal transplantation. Abbott SE, et al. **J S Afr Vet Assoc** 47(1):47–8, Mar 76

Cordophilosis and fatal gastro-intestinal verminosis in eland. Young E, et al. **J S Afr Vet Assoc** 47(1):57, Mar 76

The effect of grassmeal and alfalfa meal on daily gain, thickness of backfat and on the esophagogastric region in bacon pigs. Björklund N-E, et al. **Nord Vet Med** 28(1):33–9, Jan 76

Rubberized fencing as a gastrointestinal obstruction in a young horse. Getty SM, et al. **Vet Med Small Anim Clin** 71(2):221–3, Feb 76

Correspondence: Gastric torsion in a small dog. Harwood DG. **Vet Rec** 97(22):436, 29 Nov 75

[Candidiasis of the stomach in a several-hour-old white gibbon—Hylobates concolor leucogenys] Saëz H. **Mykosen** 18(12):519–22, Dec 75 (Eng. Abstr.) **(Fre)**

[Diagnosis and comparative methods of treating impaction and overdistention of the omasum] Korobov AV. **Veterinariia** (4):87–9, Apr 75 **(Rus)**

[Pathology of the muscular stomach in geese] Strel'nikov AP, et al. **Veterinariia** (2):90–1, Feb 76 **(Rus)**

STOMACH DIVERTICULA

COMPLICATIONS

[Prepyloric diverticulum of the greater gastric curvature with aberrant pancreas] Combemale B, et al. **Lille Med** 20(7):632–33, Aug–Sep 75 **(Fre)**

RADIOGRAPHY

What's your diagnosis? Gedgaudas E. **Med Times** 103(11):43, 159, Nov 75

[Stomach diverticula] Hülshoff T. **Z Allgemeinmed** 51(2):70–3, 20 Jan 75 **(Ger)**

STOMACH NEOPLASMS

Carcinoma of the stomach. A ten-year material. Svennevig JL, et al. **Acta Chir Scand** 142(1):78–81, 1976

Metastatic adenocarcinoma of the uterus associated with primary gastric cancer. Miyamoto U, et al. **Acta Obstet Gynaecol Jpn** 22(2):90–3, Apr 75

Villous adenomas of the stomach. Mark LK, et al. **Am J Gastroenterol** 64(2):137–9, Aug 75

Smooth muscle tumors of the stomach. Welch JP. **Am J Surg** 130(3):279–85, Sep 75

Gastric and extragastric leiomyoblastoma: report of six new cases with a review of the literature. Langley JR. **Am Surg** 42(5):369–75, May 76

Cancer of the stomach: a review of 854 patients. Cassell P, et al. **Br J Surg** 63(8):603–7, Aug 76

Submucous lipoma of the stomach: a case report. Kallie NR, et al. **Can J Surg** 19(1):42–5, Jan 76

Review of five cases of early gastric carcinoma. Fevre DI, et al. **Gut** 17(1):41–7, Jan 76

Study of gastric carcinoma (three hundred and seventy seven cases). Sharma OP. **Indian J Cancer** 11(4):406–18, Dec 74

Carcinoma of stomach – a study of 200 cases. Sivanagamani K, et al. **Indian J Cancer** 11(4):437–43, Dec 74

Gastrointestinal lymphosarcoma. Mukherjee DR, et al. **J Indian Med Assoc** 64(10):272–4, 16 May 75

Nonvisualization of gallbladder due to cancer of stomach. Ochsner SF. **J La State Med Soc** 127(10):391–3, Oct 75

Human gastric choriocarcinoma serially transplanted in nude mice. Kameya T, et al. **J Natl Cancer Inst** 56(2):325–32, Feb 76

Plasmacytomas of gastrointestinal tract. Deodhare SG, et al. **J Postgrad Med** 21(3):145–50, Jul 75

Giant leiomyoma of the stomach. Roberts JC. **Med J Aust** 1(15):525–6, 10 Apr 76

Carcinoma of the stomach. Raven RW. **Nurs Times** 72(31):1196–7, 5 Aug 76

Carcinoma of the stomach. Venables CW. **Nurs Times** 72(16):613–5, 22 Apr 76

Vascular neurofibromatosis. Mikuz G, et al. **Pathol Microbiol (Basel)** 43(2–O):195–8, 1975

Gatric carcinoma. A prospective study of tumour differentiation correlated to surgical procedures and survival rate. Tönnesen K, et al. **Scand J Gastroenterol [Suppl]** 11(37):107–10, 1976

An interpretive review of lymphoma of the stomach. Hertzer NR, et al. **Surg Gynecol Obstet** 143(1):113–24, Jul 76 (72 ref.)

Hamartoma of the stomach in childhood: case report and review of the literature. Bogomoletz WV, et al. **Virchows Arch [Pathol Anat]** 369(1):69–79, 29 Dec 75

[Editorial: Stomach polyps] Mollmann KM. **Ugeskr Laeger** 137(49):2894–5, 1 Dec 75 **(Dan)**

[Gastric chemodectoma: study of one case (author's transl)] Delamarre J, et al. **Arch Fr Mal App Dig** 64(4):339–46, Jun 75 (Eng. Abstr.) **(Fre)**

[Gastric metastases of malignant melanoma. Report of a case (author's transl)] Faguer P, et al. **Arch Fr Mal App Dig** 64(2):139–44, Mar 75 (Eng. Abstr.) **(Fre)**

[Giant exogastric schwannoma (diagnostic and therapeutic considerations on a case)] Touré P, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):143–7, 1974 (Eng. Abstr.) **(Fre)**

[Cylindrical cancer of the cardia: a challenge to physicians and surgeons] Ribet M, et al. **Lille Med** 20(7):617–20, Aug–Sep 75 **(Fre)**

[Juvenile gastric neoplasms and their pathomorphologica, clinical and developmental aspects] Palmieri B, et al. **Arch De Vecchi Anat Patol** 59(3):579–90, Apr 74 **(Ita)**

[Leiomyosarcoma of the stomach] Beccaria A, et al. **Minerva Chir** 31(4):97–103, 29 Feb 76 (Eng. Abstr.) **(Ita)**

[A case of hemangiopericytoma of the stomach (author's transl)] Horie H, et al. **J Jpn Soc Cancer Ther** 10(1):53–5, 20 Mar 75 **(Jpn)**

[Hemoptysis, subcutaneous hemorrhage, epistaxis, passing of dark stool (with hemorrhagic diathesis and thrombopenia) and respiratory insufficiency: gastric adenocarcinoma and disseminated intravascular coagulation syndrome] Irie H, et al. **Jpn J Clin Med** Spec No:878–9, 1320–3, 10 Apr 75 **(Jpn)**

[Intermittent fever, fluctuating systemic arthralgia and myalgia (with non-symmetrical dysesthesia of the extremities and hypertension): polyarteritis nodosa and stomach cancer] Kijima S, et al. **Jpn J Clin Med** Spec No:750–1, 1084–7, 10 Apr 75 **(Jpn)**

[Lethargy, osteoporosis, leukemoid reactions and hypercalcemia: hypercalcemia due to stomach cancer with systemic metastasis] Mizuno T, et al. **Jpn J Clin Med** Spec No:876–7, 1316–9, 10 Apr 75 **(Jpn)**

[Fever, thoracic and lumbar pains and anemia (with leukemoid reaction): secondary myeloproliferative disorder (with stomach cancer)] Ohira I, et al. **Jpn J Clin Med** Spec No:982–3, 1510–3, 10 Apr 75 **(Jpn)**

[Abdominal discomfort and postprandial epigastric pain (with small, raised mucosal lesions of the stomach): gastric carcinoid] Shimizudani T, et al. **Jpn J Clin Med** Spec No:874–5, 1312–5, 10 Apr 75 **(Jpn)**

[Pains at the hypogastric and right thoracic regions (with gastric ulcer and a thoracic nodule): lung cancer with metastasis to the stomach] Takeuchi T, et al. **Jpn J Clin Med** Spec No:860–1, 1290–1, 10 Apr 75 **(Jpn)**

[Tumor of the upper left abdomen: extra-gastric leiomyoma of the stomach] Yamagata S, et al. **Jpn J Clin Med** Spec No:884–5, 1330–1, 10 Apr 75 **(Jpn)**

[Comparative evaluation of diagnostic methods in liver cancer metastasized from the stomach] Kitajima M, et al. **Jpn J Gastroenterol** 72(9):1108–19, Sep 75 (Eng. Abstr.) **(Jpn)**

[Benign neoplasms of the stomach] Tolloczko A, et al. **Pol Przegl Chir** 47(10):1209–14, Oct 75 **(Pol)**

[Case of gastric neurinoma] Dzwonkowski J, et al. **Wiad Lek** 29(11):1033–5, 1 Jun 76 **(Pol)**

[Clinical and therapeutic findings cardiotuberosity on cancer] Andreoiu C, et al. **Rev Chir [Chir]** 24(5):335–8, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Isolated lymphogranulomatosis of the abdominal organs] Baranovskii GI, et al. **Khirurgiia (Mosk)** (4):121–3, Apr 76 **(Rus)**

[Benign vascular tumor of the stomach] Khomiakov IuS, et al. **Khirurgiia (Mosk)** (7):106–7, Jun 75 **(Rus)**

[Gastric leiomyoma] Nefedov GI, et al. **Khirurgiia (Mosk)** (4):116, Apr 76 **(Rus)**

[Giant fibromyoma of the stomach] Smirnov EA. **Khirurgiia (Mosk)** (4):115–6, Apr 76 **(Rus)**

[Gastric reticulosarcoma] Zmeul VK. **Khirurgiia (Mosk)** (4):116–7, Apr 76 **(Rus)**

[Malignant non-epithelial stomach neoplasms] Azarova IV. **Klin Khir** (9):14–7, 1975 (Eng. Abstr.) **(Rus)**

[Benign neurogenic tumors of the stomach] Azarova IV, et al. **Vestn Khir** 114(2):22–6, Feb 75 (Eng. Abstr.) **(Rus)**

[Glomus tumor of the stomach] Iampol'skaia SA. **Vestn Khir** 114(5):145–6, May 75 **(Rus)**

[Neurilemmoma of the stomach] Kol'sunov AA, et al. **Vestn Khir** 116(3):118, Mar 76 **(Rus)**

[Isolated lymphogranulomatosis of the stomach] Tagieva MM, et al. **Vestn Khir** 116(2):139, Feb 76 **(Rus)**

[Leiomyoma of the gastrointestinal tract] Petrov MS, et al. **Zdravookhr Kirg** (1):50–3, Jan–Feb 76 **(Rus)**

[Benign gastric tumors. Any progress? Review of 54 cases] de Dios Vega JF, et al. **Rev Esp Enferm Apar Dig** 46(6):631–44, Dec 75 **(Spa)**

[Stomach tumors of muscular origin] Juan Burgueño M, et al. **Rev Esp Enferm Apar Dig** 46(3):270–84, Sep 75 **(Spa)**

[Villous adenoma of the stomach] Minkari T, et al. **Turk Tip Dern Derg** 39(10):369–78, 1973 (Eng. Abstr.) **(Tur)**

ANALYSIS

Letters: Talc and gastric cancer. **Arch Pathol Lab® Med** 100(2):110, Feb 76

Analysis of particles in stomach tumours from Japanese males. Henderson WJ, et al. **Environ Res** 9(3):240–9, Jun 75

[CEA, AFP, CPALP (Nagao) in a male patient with gastric carcinoma metastatic to the liver (author's transl)] Kamada T, et al. **Jpn J Gastroenterol** 72(11):1407–12, Nov 75 **(Jpn)**

[Bile detergents in patients operated on for cancer and

precancerous conditions of the stomach] Maruk MV. **Vrach Delo** (5):78–82, May 75 (Eng. Abstr.) **(Rus)**

BLOOD

Serum pyridoxal in patients with gastric pathology. Sanderson CR, et al. **Gut** 17(5):371–4, May 76

Blood fibrinogen level in peptic ulcer and gastric carcinoma. Brajerski W, et al. **Pol Med Sci Hist Bull** 15(5–6):557–60, Sep–Dec 75

[Fibrinolytic system of plasma in peripheral and gastric blood in peptic ulcer and gastric carcinoma] Puchalski Z, et al. **Pol Przegl Chir** 48(3):369–73, Mar 76 (Eng. Abstr.) **(Pol)**

[Glycoproteins in stomach carcinoma] Bryla R. **Pol Tyg Lek** 31(16):649–52, 19 May 76 (Eng. Abstr.) **(Pol)**

[Serum phosphoglucomutase activity in stomach cancer patients] Podil'chak EM. **Vopr Onkol** 21(5):111–2, 1975 **(Rus)**

[Distribution of ABO blood groups and Rh factor in patients with gastric and duodenal ulcer and gastric cancer (author's transl)] Csendes A, et al. **Rev Med Chil** 103(7):470–3, Jul 75 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Angiography in stomach cancer] Riabtsev VG, et al. **Sov Med** (10):43–7, Oct 75 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Carcinogenicity in mice of some fatty acid methyl esters. 2. Peroral and subcutaneous application. Klaer HW, et al. **Acta Pathol Microbiol Scand [A]** 83(5):550–8, Sep 75

Heterotransplantation of a canine gastric cancer induced by N-methyl-N'-nitro-N-nitrosoguanidine into nude mice. Taguchi T, et al. **Biken J** 18(3):175–7, Sep 75

Immunofluorescent staining of gastric mucosal glycoprotein in gastric carcinoma of dogs and rats induced by N-methyl-N'-nitro-N-nitrosoguanidine. Kawasaki H,[a] et al. **Gann** 66(4):427–31, Aug 75

Induction of esophageal cancer associated with gastric cancer in a dog by N-ethyl-N'-nitro-N-nitrosoguandine. Sekizuka H, et al. **Gann** 66(6):683–8, Dec 75

Effect of gastro-entero-pancreatic endocrine hormones on the histogenesis of gastric cancer in rats induced by N-methyl-N'-nitro-N-nitrosoguanidine; with special reference to development of scirrhous gastric cancer. Tahara E, et al. **Gann** 66(4):421–6, Aug 75

Effect of fundic ulcers induced by iodoacetamide on development of gastric tumors in rats treated with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Gann** 67(1):47–54, Feb 76

Experimental production of gastric cancer in rats, hamsters, and dogs. pp. 105–9. Kawachi T, et al.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Effects in rats of sodium chloride on experimental gastric cancers induced by N-methyl-N-nitro-N-nitrosoguanidine or 4-nitroquinoline-1-oxide. Tatematsu M, et al. **J Natl Cancer Inst** 55(1):101–6, Jul 75

Induction of forestomach, duodenal and liver tumors in Praomys (Mastomys) natalensis by oral or intragastric administration of N-methyl-N'-nitro-N-nitrosoguanidine. Kurokawa Y, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 22(1–2):1–9, Jul 75

Induction of tumors in the stomach and nervous system of the ACI/N rat by continuous oral administration of 1-methyl-3-acetyl-1-nitrosourea. Maekawa A, et al. **Z Krebsforsch** 86(2):195–207, 15 Jun 76

[Proceedings: Experimental induction of gastric tumors in the miniature swine] Stavrou D, et al. **Verh Dtsch Ges Pathol** 59:555, 1975 **(Ger)**

[On the carcinogenic action of N-nitroso-compounds. 5th Communication: acetoxymethyl-methyl-nitrosamine (author's transl)] Wiessler M, et al. **Z Krebsforsch** 85(1):47–9, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Mucosal damage induced by gastric carcinogens and its role in stomach carcinogenesis in rats] Tabuchi Y. **Acta Med (Fukuoka)** 45(5):263–76, Nov 75 (Eng. Abstr.) **(Jpn)**

[Induction of stomach tumors in rats by N-methyl-N-nitroso-N1-nitroguanidine] Kartasheva LA, et al. **Vopr Onkol** 21(12):50–5, 1975 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[In favor of a codification of operated stomach cancers] Lambert R. **Nouv Presse Med** 5(13):843–5, 27 Mar 76 **(Fre)**

COMPLICATIONS

A case of postgastrectomy afferent loop obstruction secondary to cancer of the stomach simulating pseudocyst of the pancreas. Feiss JS, et al. **Am J Dig Dis** 20(10):995–8, Oct 75

Nonmalignant monoclonal immunoglobulinemia, pernicious anemia and gastric carcinoma. A model of immunologic dysfunction. Report of two cases and review of the literature. Burnier E, et al. **Am J Med** 60(7):1019–25, Jun 76

Multiple gastric polyps and parathyroid adenomas. Report of two cases. Bodily KC, et al. **Am J Surg** 132(1):118–20, Jul 76

Gastric carcinoma : an unusual presentation. Isbister WH, et al. **Aust NZ J Surg** 45(2):173–5, May 75

Gastric lesions in generalized neurofibromatosis. Hoare AM, et al. **Br J Surg** 63(6):449–51, Jun 76

Letter: Haematemesis from metastatic carcinoma. Scobie BA. **Br Med J** 4(5987):40, 4 Oct 75

Letter: Metastatic carcinoma causing haematemesis. Sturdevant D. **Br Med J** 3(5983):594, 6 Sep 75

Acanthosis nigricans due to gastric adenocarcinoma. Osment LS. **Int J Dermatol** 15(6):450–1, Jul–Aug 76

Reticulum cell sarcoma in the course of Sjögren's syndrome. Haritopoulos NC, et al. **Int Surg** 60(8):423–4, Aug 75

Malabsorption syndrome and carcinoma stomach. Gupta OP, et al. **J Assoc Physicians India** 23(9):589–91, Sep 75

Carcinoma of the gastric cardia and hiatal hernia. Mayer DA, et al. **J Thorac Cardiovasc Surg** 71(4):592–9, Apr 76

Microangiopathic hemolytic anemia due to adenocarcinoma of the stomach. Aksoy M, et al. **New Istanbul Contrib Clin Sci** 11(2):103–7, Jun 75

Pseudomyxoma peritonei: report of an unusual case. Rao MS, et al. **Oncology** 32(1):21–6, 1975

Gastric carcinoma and Turner's syndrome. Siegler D. **Postgrad Med J** 51(596):411–2, Jun 75

Menetrier's disease and carcinoma of stomach. Stamatakis JD. **Proc R Soc Med** 69(4):264–5, Apr 76

Systemic lupus erythematosus: unusual presentation with gastric polyps and vasculitis. Morton RE, et al. **South Med J** 69(4):507–9, Apr 76

Proceedings: Ulcer–carcinoma of the stomach in Ibadan, Nigeria. Abioye AA. **West Afr J Pharmacol Drug Res** 2(1):111P, Dec 74

[Our diagnostic and therapeutic procedures in hemorrhages caused by stomach carcinoma] Mateev V, et al. **Khirurgiia (Sofiia)** 28(2):132–7, 1975 (Eng. Abstr.) **(Bul)**

[Perforation of stomach cancer] Mateev V, et al. **Khirurgiia (Sofiia)** 28(2):137–40, 1975 (Eng. Abstr.) **(Bul)**

[Intermittent melena during the course of carcinoid of the stomach] Svraka L, et al. **Lijec Vjesn** 97(5):294–6, May 75 (Eng. Abstr.) **(Cro)**

[Retothelsarcoma of the stomach with skin manifestations (author's transl)] Janula J, et al. **Cesk Dermatol** 51(1):27–30, Feb 76 (Eng. Abstr.) **(Cze)**

[Microangiopathic hemolytic anemia with hemoglobinuria and secondary myelofibrotic syndrome in metastasizing carcinoma of the stomach] Kvasnička J, et al. **Vnitr Lek** 22(5):487–91, May 76 (Eng. Abstr.) **(Cze)**

[Ulcerated benign gastric tumors] van Damme L, et al. **Tijdschr Gastroenterol** 18(6):340–58, 1975 (Eng. Abstr.) **(Dut)**

[Gastric polyposis in Gardner's syndrome (author's transl)] Capron JP, et al. **Arch Fr Mal App Dig** 64(5):391–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Zollinger–Ellison syndrome due to a gastric gastrinoma (author's transl)] Soulé JC, et al. **Arch Fr Mal App Dig** 65(3):215–25, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Prepyloric diverticulum of the greater gastric curvature with aberrant pancreas] Combemale B, et al. **Lille Med** 20(7):632–33, Aug–Sep 75 **(Fre)**

[Intubation of neoplastic esophageal stenoses. A new prosthesis with an antireflux device] Davidenko N, et al. **Nouv Presse Med** 4(33):2396–8, 11 Oct 75 (Eng. Abstr.) **(Fre)**

[Gastric remnant cancer following resection for benign ulcer (author's transl)] Hofstetter JR, et al. **Praxis** 64(46):1472–4, 18 Nov 75 (Eng. Abstr.) **(Fre)**

[Carcinoid tumor of the terminal ileum, ulcerated cancer of the stomach and hepatic metastasis] Chatelin CL, et al. **Sem Hop Paris** 51(45):2723–6, 16 Nov 75 **(Fre)**

[Schwannoma of the stomach with massive gastrointestinal hemorrhage] Horváth M, et al. **Chirurg** 47(6):348–50, Jun 76 **(Ger)**

[Multiple cartilaginous exostoses with polyposis of stomach and colon: a new, hereditary combination different from Gardner's syndrome (author's transl)] Fuchs GA. **Dtsch Med Wochenschr** 100(45):2316–9, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Microangiopathic hemolytic anemia and consumption coagulopathy in metastasizing, mucin-producing adenocarcinoma of stomach] Frölich J, et al. **Med Welt** 26(46):2094–7, 14 Nov 75 **(Ger)**

[Microangiopathic hemolytic anemia and consumption coagulopathy with metastasizing gastric carcinoma (author's transl)] Mende S, et al. **Munch Med Wochenschr** 118(10):303–6, 5 Mar 76 (Eng. Abstr.) **(Ger)**

[Heterotopic ossification in cancer of the stomach. An experimental contribution to a clinical phenomenon (author's transl)] Werner B, et al. **Res Exp Med (Berl)** 165(3):219–25, 24 Sep 75 (Eng. Abstr.) **(Ger)**

[Longstemmed gastric polyp: hemorrhage and stenosis] Magistris F. **Zentralbl Chir** 100(18):1131–4, 1975 **(Ger)**

[Giant hemangioma of the stomach with splenomegaly as cause of intestinal hemorrhage] Weiss A. **Zentralbl Chir** 100(20):1272–4, 1975 **(Ger)**

[Eosinophilia associated with malignant tumors of the bronchus and stomach] Manelis G, et al. **Harefuah** 90(5):213–5, 1 Mar 76 (Eng. Abstr.) **(Heb)**

[A case of erythroleukemia with multiple early carcinomas of the stomach] Fujii H. **Jpn J Clin Hematol** 15(12):1339–45, Dec 74 (Eng. Abstr.) **(Jpn)**

[Three cases of acute leukemia complicated with gastric cancer: analysis of leukemia and coexistent primary cancer found in Japanese literature (author's transl)] Ota N, et al. **Jpn J Clin Hematol** 16(9):859–67, Sep 75 (Eng. Abstr.) **(Jpn)**

[Chronic gastritis in various gastric diseases among Japanese, with special reference to pathological classification of chronic gastritis and its relation to stomach neoplasms] Sano R. **Jpn J Gastroenterol** 72(10):1231–9, Oct 75 **(Jpn)**

[Case of multiple gastric leiomyomas with prolapse of one myoma into the duodenum and hemorrhage] Brączkowski Z, et al. **Pol Przegl Chir** 48(6):713–4, Jun 76 (Eng. Abstr.) **(Pol)**

[Coexistence of reticulum cell sarcoma of the gastrointestinal tract and laryngeal carcinoma] Trzosiński R. **Pol Przegl Chir** 47(11):1329–31, Nov 75 (Eng. Abstr.) **(Pol)**

[A large hepatocellular adenoma of the liver in an 82-year-old patient (histologic and cytometric findings)] Samsonov VA. **Arkh Patol** 37(6):76–8, 1975 (Eng. Abstr.) **(Rus)**

[Primary multiple tumors affecting the stomach and bladder] Dovlatian AA, et al. **Khirurgiia (Mosk)** (4):118–9, Apr 76 **(Rus)**

[Morbidity due to stomach cancer and other malignant neoplasms in persons gastrectomized for peptic ulcer] Patiutko IuI. **Vestn Akad Med Nauk SSSR** (2):88–92, 1976 **(Rus)**

[Assessment of the findings of fibrogastroscopy with gastrobiopsy and determination of hexokinase activity in the serum and gastric juice of stomach ulcer patients] Pavlov KA, et al. **Vopr Onkol** 22(5):10–4, 1976 (Eng. Abstr.) **(Rus)**

[Synchronous cancers of the esophagus and stomach (1 case)] Topuzov EG, et al. **Vopr Onkol** 22(1):84, 1976 **(Rus)**

[Cerebral embolism in an occult malignoma of the stomach with paraneoplastic endocarditis] Messerschmidt I, et al. **Cesk Neurol Neurochir** 35(4):213–6, 1972 (Eng. Abstr.) **(Slo)**

[Leiomyosarcoma of the stomach: a rare cause of visceral perforation] Pérez Ruíz L, et al. **Rev Clin Esp** 140(1):87–90, 15 Jan 76 **(Spa)**

DIAGNOSIS

Editorial: Gastroenterological cytodiagnosis. Witte S. **Acta Hepatogastroenterol (Stuttg)** 22(3):137–9, Jun 75

Letter from Israel. Gilat T. **Am J Dig Dis** 21(6):435–6, May 76

Metastatic disease involving the stomach. Menuck LS, et al. **Am J Dig Dis** 20(10):903–13, Oct 75

Rhabdomyosarcoma of the duodenum with sinus tract formation into the gastric wall, visualized by gastroduodenoscopy. Yamada K, et al. **Am J Dig Dis** 20(9):871–5, Sep 75

Peroral staining method with toluidine blue as an aid in the diagnosis of malignant gastric lesions. Giler S, et al. **Am J Gastroenterol** 65(1):37–40, Jan 76

Gastric pseudolymphoma. A spectrum of presenting features and diagnostic considerations. Perrillo RP, et al. **Am J Gastroenterol** 65(3):226–30, Mar 76

Early gastric carcinoma. Rowland R, et al. **Aust NZ J Surg** 45(4):349–54, Nov 75

Comparative histological and cytological investigations in gastric neoplasias and chronic ulcers. Turpini R, et al. **Boll Soc Ital Biol Sper** 52(6):391–6, 30 Mar 76

Cancer of the stomach: a review of 854 patients. Cassell P, et al. **Br J Surg** 63(8):603–7, Aug 76

Letter: Diagnosis of gastric cancer. Cotton PB, et al. **Br Med J** 3(5980):435, 16 Aug 75

Letter: Superficial carcinoma of the stomach. Fenech FF, et al. **Br Med J** 2(6032):422, 14 Aug 76

Letter: Early gastric cancer. Husain OA, et al. **Br Med J** 2(6033):473–4, 21 Aug 76

Superficial carcinoma of the stomach. Machado G, et al. **Br Med J** 2(6027):77–9, 10 Jul 76

Letter: Diagnosis of gastric cancer. Nagy GS, et al. **Br Med J** 4(5991):284, 1 Nov 75

Value of brush cytology in diagnosis of gastric cancer. Smithies A, et al. **Br Med J** 4(5992):326, 8 Nov 75

The response of the local immunoglobulin system to malignant lesions of the stomach. A new diagnostic test. Levy M, et al. **Cancer** 36(6):1991–5, Dec 75

The diagnosis of benign and malignant pyloric obstruction. Ellis H. **Clin Oncol** 2(1):11–5, Mar 76

Endoscopic diagnosis of advanced gastric cancer. Factors influencing yield. Winawer SJ, et al. **Gastroenterology** 69(6):1183–7, Dec 75

Brunner gland heterotopia presenting as gastric antral polyps. Johnson CD, et al. **Gastrointest Endosc** 22(4):210–1, May 76

Proceedings: The Oxo test in the diagnosis of gastrinomas, antral gastrin cell hyperplasia, and recurrent peptic ulceration. Ganguli PC, et al. **Gut** 16(10):835, Oct 75

Importance of the site of endoscopic gastric biopsy in ulcerating lesions of the stomach. Hatfield AR, et al. **Gut** 16(11):884–6, Nov 75

Evaluation of specific value of endoscopic biopsies and brush cytology for malignancies of the oesophagus and stomach. Witzel L, et al. **Gut** 17(5):375–7, May 76

The FSA reaction in early detection of gastric cancer. pp. 105–17. Häkkinen IP.
In: Boström H, et al., ed. Health control in detection of cancer. Stockholm, Almqvist & Wiksell, 1976. W3 SK56 10th 1976.

Early detection of gastric cancer. pp. 276–91. Ichikawa H.
In: Boström H, et al., ed. Health control in detection of

cancer. Stockholm, Almqvist & Wiksell, 1976. W3 SK56 10th 1976.

Early diagnosis of gastric cancer. pp. 85–98. Sakita T, et al.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Cytological diagnosis of carcinoma of the stomach. Sivanagamani K, et al. **Indian J Cancer** 11(4):433–6, Dec 74

Detection of superficial gastric carcinoma in biopsies and resected stomachs. Davies JD, et al. **J Clin Pathol** 29(8):756–7, Aug 76

Spontaneous drainage of a large cystic tumor. Winston MA, et al. **J Clin Ultrasound** 4(2):119–20, Apr 76

Paraneoplastic manifestations in gastric carcinoma. Long BW, et al. **J Miss State Med Assoc** 16(11):337–9, Nov 75

Letter: Upper gastrointestinal endoscopy. **Lancet** 2(7948):1300, 27 Dec 75

Editorial: When is a gastric ulcer really a cancer? **Lancet** 1(7953):233–4, 31 Jan 76

Editorial: Gastric leiomyoma. **Med J Aust** 1(15):516, 10 Apr 76

The value of endoscopy and biopsy in the diagnosis of gastric carcinoma. Hecker R, et al. **Med J Aust** 2(12):472–4, 20 Sep 75

Cytological screening for cancer of the stomach. Husian OA. **Proc R Soc Med** 69(7):489–94, Jul 76

The evaluation of malignant gastric neoplasms by ultrasonic B-scanning. Walls WJ. **Radiology** 118(1):159–63, Jan 76

The possible precancerous significance of abnormal cells in gastric cytology specimens: a follow-up study of 545 patients. Seppälä K, et al. **Scand J Gastroenterol** 11(5):513–5, 1976

Leiomyoblastoma of the stomach. Mann NS, et al.
South Med J 68(11):1350–2, Nov 75

[Some observations on the diagnostic and surgical treatment of stomach cancer] Deredzhian A, et al.
Khirurgiia (Sofiia) 29(2):107–11, 1976 (Eng. Abstr.) **(Bul)**

[Gastric carcinoma in the stump after resection for peptic ulcer. Late diagnosis of stomach carcinoma] Krýsl I.
Rozhl Chir 55(6):396–8, Jun 76 (Eng. Abstr.) **(Cze)**

[The diagnostic value of gastroscopy combined with biopsy and brush-cytology] Bekker C, et al. **Ugeskr Laeger** 137(48):2828–31, 24 Nov 75 (Eng. Abstr.) **(Dan)**

[Stomach neoplasm in a 27-year-old woman. An appeal for gastroscopy on broad indications] Bodtcher F.
Ugeskr Laeger 137(45):2635–6, 3 Nov 75 (Eng. Abstr.) **(Dan)**

[A diagnostic study of patients with upper abdominal pain] Praksis VO. **Ugeskr Laeger** 138(5):265–8, 26 Jan 76 (Eng. Abstr.) **(Dan)**

[Thrombosis and thrombophlebitis as prodrome (first symptoms) of malignant tumor] Loeliger EA.
Ned Tijdschr Geneeskd 119(24):969–70, 14 Jun 75 **(Dut)**

[Our experience with fibroscopy, biopsy and cytology in malignant stomach disorders] Haber I, et al.
Tijdschr Gastroenterol 18(5):303–14, 1975 (Eng. Abstr.) **(Dut)**

[Gastroscopy with gastric biopsy in 50 patients with carcinoma of the stomach radiologically probable or certain (author's transl)] Blanc D, et al. **Arch Fr Mal App Dig** 65(3):201–8, Apr–May 76 (Eng. Abstr.) **(Fre)**

[A recent case of myoid tumor of the stomach. Endoscopic, arteriographic and anatomo-pathological study] Gillet M, et al. **Chirurgie** 100(12):825–9, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**

[Benign gastric tumor and Biermer's anemia] Dony A, et al. **J Belge Radiol** 59:165–6, Mar–Apr 76 **(Fre)**

[Correlation of radiology, endoscopy and biopsy in the pathology of the gastric fundus] Montesi A, et al.
J Radiol Electrol Med Nucl 56 suppl 2:621–2, 1975 **(Fre)**

]Gastric plasmacytosarcoma with IgA dysglobulinemia] Moneret-Vautrin DA, et al. **Nouv Presse Med** 4(39):2799–803, 15 Nov 75 **(Fre)**

[Letter: Encapsulating peritonitis revealing a gastric adenocarcinoma] Vorhauer W, et al. **Nouv Presse Med** 5(17):1147, 24 Apr 76 **(Fre)**

[Polyp of the pyloric canal] Dréze C, et al.
Rev Med Liege 29(12):349–53, 15 Jun 74 **(Fre)**

[Problems in the diagnostic of primary gastric stump cancer and recurrences of gastric cancer. A comparison of X-ray diagnostic and endoscopy (author's transl)] Kriedemann E, et al. **Arch Geschwulstforsch** 45(6):552–65, 1975 (Eng. Abstr.) **(Ger)**

[Relationship between patient delay and prognosis in gastric cancer in an unselected population (author's transl)] Pothe H, et al. **Arch Geschwulstforsch** 45(6):545–51, 1975 (Eng. Abstr.) **(Ger)**

[Endoscopic-radiological demonstration of the gastrointestinal lymph nodes and lymph vessels] Sanatger R, et al. **Chirurg** 46(6):258–62, Jun 75 **(Ger)**

[Carcinoma after gastric operations (author's transl)] Clémençon G, et al. **Dtsch Med Wochenschr** 101(27):1015–20, 2 Jul 76 (Eng. Abstr.) **(Ger)**

[Early stomach carcinoma. Endoscopy or radiology?] Miller G, et al. **Dtsch Med Wochenschr** 101(26):1006–10, 25 Jun 76 **(Ger)**

[The accuracy of radiological and endoscopic examinations in the diagnosis of carcinoma of the stomach (author's transl)] Stender HS, et al.
Fortschr Geb Roentgenstr Nuklearmed 124(4):330–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Neuromas and myomas of the stomach] v Koppenfels R.
Fortschr Geb Roentgenstr Nuklearmed 122(2):164–6, Feb 75 (Eng. Abstr.) **(Ger)**

[The pseudolymphoma of the stomach(author's transl)] Struwe O. **Leber Magen Darm** 5(6):249–55, Dec 75 (Eng. Abstr.) **(Ger)**

[Exploratory laparotomy for surgically unconfirmed stomach carcinoma. A report on 21 patients] Anders A, et al.
Med Welt 27(20):957–63, 14 May 76 **(Ger)**

[Gastric carcinoma (author's transl)] Hammer B.
Munch Med Wochenschr 117(31):1279–84, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Delay in the diagnosis of stomach neoplasms: consequences in 534 cases] Kobler E, et al. **Schweiz Med Wochenschr** 106(9):311–2, 28 Feb 76 (Eng. Abstr.) **(Ger)**

[Stomach ulcer and stomach cancer] Berndt H.
Z Gesamte Inn Med 30(19):640, 641–5, 1 Oct 75 (Eng. Abstr.) **(Ger)**

[Analysis of a gastric cancer patient material of 10 years, with special reference to the effectiveness of past and present diagnostic methods] Arpád G, et al. **Orv Hetil** 117(6):328–30, 8 Feb 76 **(Hun)**

[Letter: The role of radiological, endoscopic and cytological examinations in the diagnosis of gastric cancer] Balogh I.
Orv Hetil 117(31):1907–9, 1 Aug 76 **(Hun)**

[Letter: Gastric polyps and endoscopy] Rumi G, et al.
Orv Hetil 117(11):687, 14 Mar 76 **(Hun)**

[Comparative clinical evaluation of results of gastric exfoliative and abrasion cytology, as well as target biopsy of the stomach] Simon L, et al. **Orv Hetil** 117(31):1863–6, 1 Aug 76 **(Hun)**

[Treatment of gastric ulcer with acetazolamide and the differentiation between benign and malignant niches] Puscas I, et al. **G Clin Med** 55(5):371–6, May 74 (Eng. Abstr.) **(Ita)**

[Symptomatology of gastric carcinoma] Arcangeli P, et al.
Minerva Med 66(67):3498–508, 10 Oct 75 **(Ita)**

[Gastric cytological diagnosis] Durante E. **Minerva Med** 67(7):425–8, 11 Feb 76 **(Ita)**

[A case of gastric medullary carcinoma with lymphoid infiltration simulating submucosal tumor (author's transl)] Hirakawa T, et al. **Jpn J Gastroenterol** 72(5):514–9, May 75 **(Jpn)**

[Diagnosis and management of non-epithelial neoplasms of the stomach. 1. Symptoms of sarcoma of the stomach] Takase Y, et al. **Jpn J Gastroenterol** 72(12):1556–62, Dec 75 (Eng. Abstr.) **(Jpn)**

[Diagnosis of gastric cancer using a catheter-type semiconductor radiation detector – experimental comparison of diagnostic values of beta- and gamma-emitting radionuclide labels] Sasa R, et al.
Jpn J Nucl Med 12(3):255–60, Jun 75 (Eng. Abstr.) **(Jpn)**

[Gastroscopy data from a medical department] Berstad A, et al. **Tidsskr Nor Laegeforen** 96(4):223–5, 10 Feb 76 (Eng. Abstr.) **(Nor)**

[Diagnosis of early stomach cancer by endoscopy with controlled biopsy and cytology] Osnes M, et al.
Tidsskr Nor Laegeforen 96(11):636–8, 20 Apr 76 (Eng. Abstr.) **(Nor)**

[Gastric stump cancer. Cases diagnosed using gastroscopy with directed biopsy] Selbekk B, et al.
Tidsskr Nor Laegeforen 95(28):1575–6, 1602, 10 Oct 75 (Eng. Abstr.) **(Nor)**

[A statistical method for differential diagnosis of gastric ulcer (author's transl)] Bem Z, et al. **Pol Przegl Radiol** 40(2):111–6, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Value of scintigraphy in the diagnosis of gastric cancer] Ciesielski L, et al. **Pol Tyg Lek** 30(34):1397–400, 25 AUG 75 (Eng. Abstr.) **(Pol)**

[Clinical aspects of polypoposis of the stomach and intestines (author's transl)] Jonderko G, et al. **Przegl Lek** 33(5):523–8, 1976 **(Pol)**

[Diagnostic difficulties in heterotopic foci of pancreatic tissue] Kowiański Z, et al. **Wiad Lek** 28(24):1993–5, 15 Dec 75 (Eng. Abstr.) **(Pol)**

[Therapeutic test with acetazolamide in the differentiation of benign and malignant niches] Puşcaş I, et al.
Rev Med Intern [Med Intern] 27(6):449–51, Nov–Dec 75 (Eng. Abstr.) **(Rum)**

[Cytologic diagnosis of stomach polyps] Pinskaia MN.
Arkh Patol 38(4):68–72, Apr 76 (Eng. Abstr.) **(Rus)**

[Chromogastroscopy in the diagnosis of stomach cancer] Lukomskiĭ GI, et al. **Khirurgiia (Mosk)** (9):3–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Endoscopic semeiotics and the diagnosis of sarcomas of the stomach] Savinkin IuN, et al. **Khirurgiia (Mosk)** (9):5–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Combined endoscopic studies in the diagnosis of diseases of the upper segment of the digestive tract] Sotnikov VN, et al. **Khirurgiia (Mosk)** (6):60–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of small stomach polyps with the aid of gastrofibroscope biopsy] Avdeĭ LV, et al.
Klin Khir (9):1–5, 1975 (Eng. Abstr.) **(Rus)**

[Malignant non-epithelial stomach neoplasms] Azarova IV.
Klin Khir (9):14–7, 1975 (Eng. Abstr.) **(Rus)**

[Problem of early diagnosis of stomach cancer] Salupere VP, et al. **Klin Med (Mosk)** 54(2):85–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Diagnostic value of celiacography and fibrogastroscopy in stomach cancer] Drozdovskiĭ VIa, et al.
Med Radiol (Mosk) 20(8):23–5, Aug 75 **(Rus)**

[Cytological diagnosis of stomach cancer] Baspaev BI, et al.
Sov Med (7):140, Jul 75 **(Rus)**

[Cancer of the greater curvature of the stomach] Portnoĭ LM, et al. **Sov Med** (7):119–25, Jul 75 (Eng. Abstr.) **(Rus)**

[Tumor-like formations in the stomach wall] Lytkin MI, et al. **Vestn Khir** 115(10):3–7, OCT 75 (Eng. Abstr.) **(Rus)**

[Results of 7,000 fibergastroscopies] Pavlov KA, et al.
Vestn Khir 114(4):21–4, Apr 75 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenological characteristics of stomach cancer in young persons] Portnoĭ LM, et al.
Vestn Rentgenol Radiol (6):21–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Glomus tumors of the stomach] Pronin VI, et al.
Vopr Onkol 21(12):12–7, 1975 **(Rus)**

[Differentiation of tumors of the anterior wall of the stomach from neighboring intact areas by the method of multichannel gastrography] Sobakin MA, et al.
Vopr Onkol 22(2):32–6, 1976 (Eng. Abstr.) **(Rus)**

[Discriminative analysis of diphenylamine reaction in cancer of the stomach, atrophic gastritis, and some benign gastropathies (author's transl)] Duriš I, et al.
Bratisl Lek Listy 64(5):555–66, Nov 75 (Eng. Abstr.) **(Slo)**

[Primary carcinoma of the gastric antrum. Fibroendoscopic diagnosis] Ramírez Armengol JA.
Rev Esp Enferm Apar Dig 46(5):535–40, Nov 75 **(Spa)**

[Letter: Who will evaluate biopsies taken by endoscopy?] Ost A. **Lakartidningen** 73(18):1709–10, 28 Apr 76 **(Swe)**

DRUG THERAPY

Heterogeneity of human adenocarcinomas of the colon and the stomach as regards sensitivity to cytostatic drugs. Tropé C, et al. **Neoplasma** 22(4):423–9, 1975

Effect of streptozocin on gastrin release. Stadil F, et al.
Scand J Gastroenterol [Suppl] 11(37):67–70, 1976

Significance of Laurén's classification in chemotherapy of gastric carcinoma. Kakizaki G, et al.
Tohoku J Exp Med 119(1):41–9, May 76

[Regional chemotherapy of stomach cancers] Bessot M, et al. **Sem Hop Paris** 51(9):601–8, 20 Feb 75 (Eng. Abstr.) **(Fre)**

[The present state of chemotherapy of gastric cancer (author's transl)] Rieche K. **Arch Geschwulstforsch** 45(6):566–71, 1975 (Eng. Abstr.) **(Ger)**

[Cytostatic therapy of primary lympho- and reticulosarcoma of the stomach] Reis HE, et al. **Med Welt** 26(33–34):1447–9, 22 Aug 75 **(Ger)**

[Certain results of the use of regional intra-arterial chemotherapy in inoperable cancer of the stomach] Ostroverkhov GE, et al. **Klin Khir** (7):22–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Therapeutic value of alcohol-novocaine block of the solar plexus in neglected cases of stomach cancer] Shvetsov SK.
Klin Khir (10):30–3, Oct 75 **(Rus)**

[Immunological status of patients with stomach cancer during chemotherapy] Kliachkin BM, et al. **Vopr Onkol** 21(8):38–42, 1975 (Eng. Abstr.) **(Rus)**

[Survival of patients with inoperable stomach cancer treated with 5-fluorouracil] Korman DB. **Vopr Onkol** 22(2):78–82, 1976 (Eng. Abstr.) **(Rus)**

[Determination of the sensitivity of cancerous tumors of the stomach to 5-fluorouracil in vitro] Savran VR.
Vrach Delo (1):80–2, Jan 74 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The occurrence of the Regan variant alkaline phosphatase isoenzyme in the serum of a case of adenocarcinoma of the stomach. McKenzie D, et al. **Clin Chim Acta** 62(3):447–50, 4 Aug 75

LDH isoenzyme pattern of uninvolved gastric mucosa of patients with gastric carcinoma and benign gastric disease. Woollams R, et al. **Digestion** 14(1):20–8, 1976

Occurrence of alpha-fetoprotein, Regan isoenzyme, and variant alkaline phosphatase in the serum of a patient with gastric cancer. Nishimura H, et al. **Gastroenterology** 71(3):497–9, Sep 76

[Proceedings: Characteristic early histochemical reactions of the gastric mucosa in cancer] Knežević M, et al.
Verh Dtsch Ges Pathol 59:473, 1975 **(Ger)**

[The distribution of the aldolase isoenzymes in various human tissues and the anomaly in cancerous tissues –especially in gastric cancer– (author's transl)] Saito H.
Hokkaido J Med Sci 50(6):540–8, Nov 75 (Eng. Abstr.) **(Jpn)**

[The relationship between several biological properties of tumors and their metabolism] Kuzin MI, et al.
Vopr Onkol 21(12):3–7, 1975 (Eng. Abstr.) **(Rus)**

[LDH isoenzymes in pathological and normal gastric mucosa] Carda Abella P, et al. **Rev Clin Esp** 141(1):11–8, 15 Apr 76 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Carcinoma of the gastric stump after operation for benign gastroduodenal ulcer. Terjesen T, et al.
Acta Chir Scand 142(3):256–60, 1976

Gastric carcinoid following gastrojejunostomy. Bordi C, et al. **Am J Dig Dis** 21(8):667–71, Aug 76

Diffuse submucosal cysts and carcinoma of the stomach. Iwanaga T, et al. **Cancer** 36(2):606–14, Aug 75

Future inquiries into the epidemiology of gastric cancer. Graham S, et al. **Cancer Res** 35(11 Pt. 2):3464–8, Nov 75

Dietary factors and the etiology of gastric cancer. Weisburger JH, et al. **Cancer Res** 35(11 Pt. 2):3469–74, Nov

75
Proceedings: Is a gastroenterostomy a pre-malignant condition? Gough DC, et al. **Gut** 16(10):843, Oct 75
Proceedings: Dietary and smoking habits in gastric cancer: a detailed study of 64 cases and controls. Williams RH, et al. **Gut** 16(10):843, Oct 75
Cancer of the gastric stump following operations for benign gastric or duodenal ulcers. Gazzola LM, et al. **J Surg Oncol** 7(4):293–8, 1975
Letter: Model for gastric cancer epidemiology. Lilienfeld DE, et al. **Lancet** 1(7949):45, 3 Jan 76
Gastric remnant carcinoma. Bushkin FL. **Major Probl Clin Surg** 20:106–13, 1976
Polyps caused by gastric erosions. Walk L. **Radiologe** 15(9):354–5, Sep 75
Susceptibility of the resected stomach to experimental carcinogenesis. Dahm K, et al. **Z Krebsforsch** 85(3):219–29, 19 Mar 76
[Cancer of the gastric stump following resection of the stomach for peptic ulcer of the gastroduodenum (author's transl)] Oberhofer B, et al. **Lijec Vjesn** 98(1):21–4, Jan 76 (Eng. Abstr.) **(Cro)**
[Nutritional factors inducing cancer of the stomach (author's transl)] Lederer J. **Acta Gastroenterol Belg** 38(9–10):329–46, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Chronic hypertrophic glandular gastritis and stomach cancer] Tishchenko MA, et al. **Arkh Patol** 37(4):23–9, 1975 (Eng. Abstr.) **(Rus)**
[Stomach cancer after an operation for peptic ulcer] Maksumov DN, et al. **Khirurgiia (Mosk)** (9):17–9, Sep 75 (Eng. Abstr.) **(Rus)**
[Tumors of the gastric stump after resection for ulcer disease of the stomach] Gadzhiev AS, et al. **Klin Khir** (11):7–10, Nov 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Letter: Familial gastric polyposis (cont.). Hyson EA, et al. **N Engl J Med** 295(16):905, 14 Oct 76
Familial 'minor' adenomatous polyposis coli associated with gastric carcinoma – a hiterto undescribed phenotype of polyposis coli? Ammann RW, et al. **Scand J Gastroenterol** 11(3):233–40, 1976
Heterogeneity in susceptibility to chronic gastritis in relatives of gastric cancer patients with different histology of carcinoma. Kekki M, et al. **Scand J Gastroenterol** 10(7):737–45, 1975
[Hereditary polyposis of the gastrointestinal tract] Antal L, et al. **Orv Hetil** 117(11):656–8, 14 Mar 76 **(Hun)**
[A cancer family with a juvenile early gastric cancer (author's transl)] Mori M, et al. **J Jpn Soc Intern Med** 63(12):1444–52, 10 Dec 74 **(Jpn)**

IMMUNOLOGY

Immunopathological studies on CEA and CEA-associated antigens with reevaluation of the cancer specificities of CEA. Mori T, et al. **Ann NY Acad Sci** 259:412–6, 22 Aug 75
Proceedings: Host tumour relationship in stomach cancer—correlation of histological criteria with tests of immune competence. Mander AM, et al. **Br J Cancer** 32(2):243, Aug 75
Demonstration of carcinoembryonic antigens in tumors of the gastrointestinal tract. pp. 233–40. von Kleist S. **In: Götz H, Bücherl ES, ed. Applied tumor immunology. Berlin, de Gruyter, 1975. W3 IN916AE 1972a.**
Quantification of CEA in human gastrointestinal cancers grown in in vitro long-term organotype culture. Likhite VV, et al. **Oncology** 32(5–6):327–32, 1975
Lympho-reticuloendothelial activity of early gastric carcinoma. Ouchi E, et al. **Tohoku J Exp Med** 116(4):333–9, Aug 75
[FSA-reaction in early diagnosis and differential diagnosis of gastric neoplasms] Häkkinen I. **Duodecim** 92(1):6–12, 1976 **(Fin)**
[Solubilisation of the carcinoembryonic antigen (CEA) from a plasma membrane fraction isolated from the cancerous human gastric mucosa (author's transl)] Bara J, et al. **Ann Immunol (Paris)** 125(6):939–46, Nov 74 (Eng. Abstr.) **(Fre)**
[Early IgM decrease in the serum of carcinoma patients with paraneoplastic skin manifestations] Göring HD, et al. **Z Gesamte Inn Med** 30(3):112–4, 1 Feb 75 (Eng. Abstr.) **(Ger)**
[Immunohistochemical studies on non neoplastic and neoplastic gastric mucosa. Determination of embryonic and specific antigens (author's transl)] Falser N, et al. **Z Krebsforsch** 84(1):19–24, 22 Sept 75 (Eng. Abstr.) **(Ger)**

METABOLISM

The effect of cytostatic drugs on the synthesis of DNA in adenocarcinomas of the stomach. An in vitro study. Håkansson L, et al. **Acta Chir Scand** 141(5):409–12, 1975
Ganglioside pattern and neuraminic acid content of human gastric and colonic carcinoma. Keränen A, et al. **Clin Chim Acta** 70(1):103–12, 1 Jul 76
Demethylchlortetracycline-binding proteins in uninvolved gastric mucosa of gastric carcinoma and gastric ulcer patients. Demonstration of a difference between the uninvolved mucosa of ulcer and cancer patients. Lo E, et al. **Digestion** 14(2):117–26, 1976
Changes in pepsinogen isozymes in stomach carcinogenesis induced in rats by N-methyl-N'-nitro-N-nitrosoguanidine. Furihata C, et al. **J Natl Cancer Inst** 55(4):925–30, Oct 75
Immunochemical study and cellular localization of human pepsinogens during ontogenesis and in gastric cancers. Hirsch-Marie H, et al. **Lab Invest** 34(6):623–32, Jun 76
[The secretory function of the stomach in pre-tumorous conditions and tumors] Arkhipov GN. **Vopr Onkol** 21(6):49–54, 1975 (Eng. Abstr.) **(Rus)**
[Total potassium levels in patients with malignant neoplasms of the esophagus, stomach and intestine] Bogoliubov VM, et al. **Vopr Onkol** 22(5):15–8, 1976 (Eng. Abstr.) **(Rus)**
[Biosynthesis of soluble proteins and pepsinogen of the mucus membrane and cancer of the stomach in man] Kalinovskiĭ VP, et al. **Vopr Onkol** 21(9):31–6, 1975 (Eng. Abstr.) **(Rus)**
[An autoradiographic study of adenocarcinoma of the stomach] Krutova TV, et al. **Vopr Onkol** 21(5):41–8, 1975 (Eng. Abstr.) **(Rus)**
[The DNA of gastric tissue lymphocytes in ulcer disease and cancer] Zakharova TI. **Vopr Onkol** 21(12):8–12, 1975 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Intragastric microbial colonization in common disease states of the stomach and duodenum. Nichols RL, et al. **Ann Surg** 182(5):557–61, Nov 75

MORTALITY

Further evidence of a positive correlation between exposure to nitrate fertilizers (NaNO3 and KNO3) and gastric cancer death rates: nitrites and nitrosamines. Zaldívar R, et al. **Experientia** 31(11):1354–5, 15 Nov 75
Stomach and colon cancer mortality among Puerto Ricans in New York City at Puerto Rico. Monk M, et al. **J Chronic Dis** 28(7–8):349–58, Aug 75
Gastric cancer: survival rates with special reference to 'early gastric cancer'. Kato K, et al. **Nagoya J Med Sci** 38(1–2):35–42, Sep 75
[Rational bases of the prognosis of operated gastric cancer] Lambert R. **Arch Fr Mal App Dig** 64(8):679–96, Dec 75 **(Fre)**
[Cancer of the stomach and pancreas in Geneva] Obradovic M, et al. **Soz Praeventivmed** 20(5):201–2, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Gastric cancer patients survival. II. Survival according to apparent depth of tumoral infiltration (author's transl)] Csendes A, et al. **Rev Med Chil** 103(2):110–2, Feb 75 (Eng. Abstr.) **(Spa)**
[Prognosis of stomach neoplasms can be improved] Eriksson S, et al. **Lakartidningen** 73(30–31):2537–42, 21 Jul 76 **(Swe)**

OCCURRENCE

Relationship between type of tobacco used and localization of tumour in patients with gastric cancer. Zacho A, et al. **Acta Chir Scand** 141(7):676–9, 1975
Linitis plastica in a 16-year-old. Hurlburt WB. **Alaska Med** 17(5):77–9, Sep 75
Late precancerous changes and carcinoma of the gastric stump after Billroth I resection. Domellöf L, et al. **Am J Surg** 132(1):26–31, Jul 76
Carcinoma of the oesophagus and gastric cardia at autopsy in Finland. Appelqvist P. **Ann Clin Res** 7(5):334–40, Oct 75
Carcinoid tumors. An analysis of 2,837 cases. Godwin JD 2d. **Cancer** 36(2):560–9, Aug 75
Gastrointestinal cancer. Its geographic distribution and correlation to breast cancer. Jansson B, et al. **Cancer** 36(6 Suppl):2373–84, Dec 75
Cancer of the alimentary tract in the Sudan: a study of 546 cases. Malik MO, et al. **Cancer** 37(5):2533–42, May 76
Developments in the epidemiology of stomach cancer over the past decade. Haenszel W, et al. **Cancer Res** 35(11 Pt. 2):3452–9, Nov 75 (40 ref.)
Epidemiology of cancer of the stomach with special reference to its recent decrease in Japan. Hirayama T. **Cancer Res** 35(11 Pt. 2):3460–3, Nov 75
Incidence of stomach cancer and its relation to dietary habits and nutrition in Japan between 1900 and 1975. Oiso T. **Cancer Res** 35(11 Pt. 2):3254–8, Nov 75
Gastric mass survey. pp. 99–103. Ariga K, et al. **In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.**
Mass screening of gastro-intestinal tract to detect carcinoma of stomach. Basu S. **J Indian Med Assoc** 64(12):327–9, 16 Jun 75
Stomach cancer in Japan. Haenszel W, et al. **J Natl Cancer Inst** 56(2):265–74, Feb 76
An assay for selecting high risk population for gastric cancer by studying environmental factors. Málnási G, et al. **Neoplasma** 23(3):333–41, 1976
Incidence of gastric carcinoma, histologically documented in the years 1972–1973 in 35 Italian laboratories of anatomical pathology. Lampertico P. **Pathologica** 67(965–966):79–83, Mar–Apr 75
Gastric ulcer and cancer. Montgomery RD, et al. **Q J Med** 44(176):591–9, Oct 75
Gastric cancer in Sudan. El Masri SH, et al. **Trop Geogr Med** 27(3):257–61, Sep 75
[Radiological examination of the stomach in Copenhagen country. Incidence and results] Bonnevie O. **Ugeskr Laeger** 138(23):1375–81, 31 May 76 (Eng. Abstr.) **(Dan)**
[Malignant neoplasms of the stomach in Berlin, capital of the G.D.R. – An analysis of the state of diagnosis and treatment] Berndt H, et al. **Arch Geschwulstforsch** 46(1):15–23, 1976 (Eng. Abstr.) **(Ger)**
[On epidemiology of gastric cancer (author's transl)] Wolff G, et al. **Arch Geschwulstforsch** 46(1):1–14, 1976 (Eng. Abstr.) **(Ger)**
[Early carcinoma of the stomach in Europe (author's transl)] Miller G, et al. **Dtsch Med Wochenschr** 100(39):1946–9, 26 Sep 75 (Eng. Abstr.) **(Ger)**
[Epidemiological aspects of early stomach carcinoma] Hentschel E, et al. **Wien Med Wochenschr** 125(40):576–8, 3 Oct 75 **(Ger)**
[Epidemiology of stomach carcinoma] Pothe H. **Z Aerztl Fortbild (Jena)** 69(12):638–41, 15 Jun 75 **(Ger)**
[Significance of age-specific incidence of gastric carcinoma in a defined region for health-political decisions] Pothe VH. **Z Alternsforsch** 30(4):327–9, 1975 (Eng. Abstr.) **(Ger)**
[Tumour frequency in autopsy cases. II. The malignant tumours of the stomach (author's transl)] Rüdiger KD, et al. **Zentralbl Allg Pathol** 119(4):303–15, 1975 (Eng. Abstr.) **(Ger)**
[Comparative statistical research of the gastric cancer in the patients less than thirty years of age and thirty to thirty nine years of age (author's transl)] Kamino K, et al. **J Jpn Soc Cancer Ther** 10(4):488–501, 20 Dec 75 (Eng. Abstr.) **(Jpn)**
[Epidemiology of stomach carcinoma] Staszewski J. **Nowotwory** 25(4):273–9, 1975 (Eng. Abstr.) **(Pol)**
[Methods of study of the epidemiology of stomach cancer] Akhmetov MSh, et al. **Vestn Akad Med Nauk SSSR** (2):84–8, 1976 (Eng. Abstr.) **(Rus)**
[Epidemiology of carcinoma of the stomach] Salas J. **Rev Lat Am Patol** 11(1):13–8, Mar 72 **(Spa)**
[New facts in the epidemiology of gastric cancer (author's transl)] Medina E, et al. **Rev Med Chil** 103(8):563–7, Aug 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Cytologic studies on so-called atypical epithelium of the protuberant lesions in the stomach. Takeda T, et al. **Acta Cytol (Baltimore)** 19(4):345–50, Jul–Aug 75
Histological study on the numeric l change of plasma cells in regional lymph nodes of the carcinomatous stomach. Nakano K. **Acta Pathol Jpn** 26(1):17–23, Jan 76
The relationship of gastrointestinal endocrine cells to gastric epithelial changes with special reference to gastric cancer. Tahara E, et al. **Acta Pathol Jpn** 25(2):161–77, Mar 75
An ultrastructural study on precancerous and cancerous lesions of the glandular stomach in rats induced by N-methyl-N'-nitro-N-nitrosoguanidine. Tahara E, et al. **Acta Pathol Jpn** 26(1):1–15, Jan 76
Two autopsy cases of primary adenoacanthoma of the stomach. Taira Y, et al. **Acta Pathol Jpn** 26(2):223–8, Mar 76
Gastric cystic polyposis. Chakrovorty RC, et al. **Am J Dig Dis** 20(10):981–9, Oct 75
Endoscopic identification of esophageal involvement by carcinoma of the stomach. Kobayashi S, et al. **Am J Gastroenterol** 65(5):416–21, May 76
Benign granular cell tumor ('myoblastoma') of the stomach. Miranda D. **Am J Gastroenterol** 65(4):344–8, Apr 76
Umbilical metastasis from carcinoma of the stomach. Sister Joseph's nodule. Samitz MH. **Arch Dermatol** 111(11):1478–9, Nov 75
Electron microscope study on endocrine cells and tumor cells in the glandular stomach of Praomys (mastomys) natalensis. Sano M. **Arch Histol Jpn** 38(3):237–58, Oct 75
Endocrine-type granules in cells of glomus tumor of the stomach. Kim BH, et al. **Arch Pathol** 99(10):544–7, Oct 75
Primary carcinoma of stomach with uterine metastasis. Leiberman J, et al. **Br J Obstet Gynaecol** 82(11):917–21, Nov 75
Measurement of cell production rates in human gastro-intestinal cancer—a guide to treatment? Britton DC, et al. **Br J Surg** 62(10):813–5, Oct 75
Gastric carcinoma with lymphoid stroma. Its morphologic characteristics and prognostic correlations. Watanabe H, et al. **Cancer** 38(1):232–43, Jul 76
Cell proliferation in Walker tumour growing in the stomach wall. Broyn T. **Cell Tissue Kinet** 8(5):413–22, Sep 75
Is intestinal metaplasia of the gastric mucosa a pre-malignant lesion? Reynolds KW, et al. **Clin Oncol** 1(2):101–9, Jun 75 (25 ref.)
Oat-cell carcinoma of the stomach. Matsusaka T, et al. **Fukuoka Acta Med** 67(2):65–73, Feb 76
Early phase of development of human gastric cancer. pp. 77–83. Oota K. **In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.** (19 ref.)
Microscopical cancer of the stomach—a study on histogenesis of gastric carcinoma. Nagayo T. **Int J Cancer** 16(1):52–60, 15 Jul 75
Argyrophil cell microneoplasia in the Mastomys' stomach—an observation on early carcinoid formation. Soga J, et al. **J Natl Cancer Inst** 55(4):1001–6, Oct 75
Carcinoma of the stomach in a child. Dixon WL, et al. **JAMA** 235(22):2414–5, 31 May 76
Histological characteristics and postoperative course of gastric carcinoma. Nakano K, et al. **Jpn J Surg** 5(1):12–9,

Mar 75
Huge 'bizarre leiomyoblastoma' of the stomach. Report of two cases. Maeda S, et al. **Kumamoto Med J** 28(4):187–95, 31 Dec 75
Histopathologic considerations on gastric epithelioid leiomyomas. Moraru I, et al. **Morphol Embryol (Bucur)** 21(2):113–7, 1975
Skin metastases in carcinoma of the stomach. Adam BA, et al. **Postgrad Med J** 51(596):419–22, Jun 75
The interaction between Walker tumour cells and mucosa cells in the lamina propria of gastric mucosa in rats. The tumour behaviour in previously X-irradiated mucosa compared to normal mucosa. Bröyn T.
Virchows Archiv [Cell Pathol] 19(1):27–36, 29 Sep 75
Ossification in cancer of the stomach: an experimental study. Werner B, et al. **Z Krebsforsch** 86(2):147–54, 15 Jun 76
[Nonepithelial malignant tumors of the stomach] Popov M. **Khirurgiia (Sofiia)** 28(6):546–50, 1975 (Eng. Abstr.) **(Bul)**
[Polyposis of the stomach] Moller M. **Ugeskr Laeger** 137(49):2887–8, 1 Dec 75 (Eng. Abstr.) **(Dan)**
[Non-excretory plasma cell malignant lymphoma (Iga-Kappa) with gastric and lymph node localisations. Light and electron microscopy, cyto-immunofluorescence (author's transl)] Galian A, et al.
Arch Anat Cytol Pathol 24(2):159–65, 1976 (Eng. Abstr.) **(Fre)**
[Epidermoid differentiation in carcinoma of the stomach] Melato M, et al. **Arch Anat Pathol (Paris)** 23(2):113–6, Jun 75 (Eng. Abstr.) **(Fre)**
[Mucigenous skin metastases of a gastric adenocarcinoma] Stolp A, et al. **Dermatol Monatsschr** 161(1):46–51, Jan 75 (Eng. Abstr.) **(Ger)**
[Intensity and localization of inflammatory gastric mucosa changes in gastric ulcer, duodenal ulcer and stomach carcinoma. Studies on stomach resection preparations] Möbius G, et al. **Dtsch Z Verdau Stoffwechselkr** 35(3):113–22, 1975 **(Ger)**
[Early cancer of the stomach (author's transl)] Schubert HJ, et al. **Med Klin** 71(1):28–33, 2 Jan 76 (Eng. Abstr.) **(Ger)**
[Stomach carcinoma. Pathohistogenesis, early carcinoma and classification] Mitschke H. **Med Monatsschr** 29(8):347–54, Aug 75 **(Ger)**
[Acoustic neurinoma with metastases of a carinoma of the stomach (author's transl)] Schwesinger G, et al.
Zentralbl Allg Pathol 118(5):473–5, 1974 (Eng. Abstr.) **(Ger)**
[Eosinophilic granuloma and infiltrate of the stomach] Dlustus B, et al. **Orv Hetil** 116(49):2891–3, 7 Dec 75 **(Hun)**
[Gastric polyp] Simon L, et al. **Orv Hetil** 116(44):2585–9, 2 Nov 75 **(Hun)**
[Solid undifferentiated carcinomas of the stomach. A histological study with a supplement search for argyrophil cells (author's transl)] Matsusaka T. **Fukuoka Acta Med** 67(5):163–87, May 76 (Eng. Abstr.) **(Jpn)**
[A clinicopathological study on the relationship between early cancer and atypical epithelial lesions in the gastric mucosa (author's transl)] Kanai T.
J Jpn Soc Cancer Ther 10(1):1–19, 20 Mar 75 (Eng. Abstr.) **(Jpn)**
[Ulcerous lesions of the stomach with a long-term follow-up: early stomach cancer] Takemoto T, et al.
Jpn J Clin Med Spec No:872–3, 1308–11, 10 Apr 75 **(Jpn)**
[Scanning electron microscopic study on the gastric mucosal surface-II. On the tumorous lesions (author's transl)] Yamagiwa H. **Jpn J Clin Pathol** 23(8):660–2, Aug 75 **(Jpn)**
[Significance of diffuse submucosal heterotopic glands as precancerous lesions of the stomach] Iwanaga T, et al.
Jpn J Gastroenterol 73(1):31–40, Jan 76 (Eng. Abstr.) **(Jpn)**
[Evaluation of progressive gastric cancer simulating the early stge] Yoshida K, et al. **Jpn J Gastroenterol** 72(6):725–33, Jun 75 (Eng. Abstr.) **(Jpn)**
[Neoplastic pericarditis. Report of 2 cases] Filipecki S, et al. **Pol Arch Med Wewn** 55(2):185–8, Feb 76 **(Pol)**
[Dermatitis herpetiformis (Duhring's disease) as a paraneoplastic disease] Neumann E, et al. **Wiad Lek** 29(6):519–23, 15 Mar 76 (Eng. Abstr.) **(Pol)**
[Primary double-focal lung and stomach carcinoma] Ratajski W, et al. **Wiad Lek** 29(11):1025–7, 1 Jun 76 (Eng. Abstr.) **(Pol)**
[Duodenal invasion by gastric cancer] Parra OM, et al.
Rev Assoc Med Bras 21(8):248–50, Aug 75 (Eng. Abstr.) **(Por)**
[Malignant glomus tumors of the stomach] Apatenko AK, et al. **Arkh Patol** 37(6):29–36, 1975 (Eng. Abstr.) **(Rus)**
[Autoradiographic study of human scirrhous gastric carcinoma during cultivation in diffusion chambers] Krutova TV, et al. **Biull Eksp Biol Med** 79(6):83–5, Jun 75 (Eng. Abstr.) **(Rus)**
[Rare observation of multicentric cancer of the stomach] Dovlatian AA. **Khirurgiia (Mosk)** (9):124–5, Sep 75 **(Rus)**
[Cancer of the gastric stump] Druianov BM, et al.
Khirurgiia (Mosk) (9):10–3, Sep 75 **(Rus)**
[Combination of lipoma of the stomach and duodenal diverticulum] Tochilin VI, et al. **Khirurgiia (Mosk)** (9):131, Sep 75 **(Rus)**
[Diffuse cystic polypous gastritis (diffuse prolapse of the gastric mucosa associated with cystic epithelial hypertrophy extending into the submucosa] Llombart Bosch A, et al. **Rev Esp Enferm Apar Dig** 47(4):471–84, Apr 76 **(Spa)**
[Endoscopic cytology in the diagnosis of different anatomopathological types of stomach cancer] Perez Mota A, et al. **Rev Esp Enferm Apar Dig** 48(1):23–8, Jul 76 **(Spa)**
[Pancreatic adenoma originating from aberrant pancreatic tissue in the submucosal layer of the stomach] Minkari T, et al. **Turk Tip Dern Derg** 40(1):56–66, 1974 (Eng. Abstr.) **(Tur)**

PHYSIOPATHOLOGY

Precancerous changes in the stomach. Kawachi T, et al.
Cancer Res 36(7 PT 2):2673–7, Jul 76
[Case of lymphogranulomatosis of the stomach] Bakhariev Z, et al. **Khirurgiia (Sofiia)** 28(6):581–2, 1975 **(Bul)**
[Stomach cancer and estrogenic disorders] Slinchak SM, et al. **Vrach Delo** (7):6–9, Jul 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Reduction of gastric carcinogens with ascorbic acid. Raineri R, et al. **Ann NY Acad Sci** 258:181–9, 30 Sep 75
[Improving the effectiveness of preventive examinations for early detection of stomach cancer] Sergeev SI, et al.
Sov Med (11):130–4, Nov 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The radiology corner: metastasis to the colon. Kurzban JD, et al. **Am J Gastroenterol** 65(4):357–9, Apr 76
Multiple 'bull's-eye' lesions in gastric lymphoma. Dunnick NR, et al. **Am J Roentgenol** 126(5):965–9, May 76
Lymphoreticular hyperplasia of the stomach (pseudolymphoma). Martel W, et al. **Am J Roentgenol** 127(2):261–5, Aug 76
The accuracy of radiological diagnosis of benign, primarily and secondarily malignant gastric ulcers and their correlation with three simplified radiological types. Schulman A, et al. **Clin Radiol** 26(3):317–25, Jul 75
Gastric leiomyoblastoma in a child. Schmitt EL, et al.
J Can Assoc Radiol 27(2):115–7, Jun 76
Gastric polyp. Ochsner SF. **J La State Med Soc** 127(8):309, Aug 75
A 'pseudotumor' of the stomach. Coleman V, et al.
J Med Assoc Ga 65(1):16–7, Jan 76
Ectopic pancreas in the stomach. Lucaya J, et al.
J Pediatr Surg 11(1):101–2, Feb 76
Gastric leiomyoblastoma. Janvrin SB. **Proc R Soc Med** 68(2):90, Feb 75
Leiomyoblastoma of the stomach. Report of 9 cases. Faegenburg D, et al. **Radiology** 117(2):297–300, Nov 75
Minute mucosal patterns in gastric carcinoma. Magnification radiography of resected gastric specimens. Koga M, et al.
Radiology 120(1):199–201, Jul 76
[Differential diagnosis of ulcer-carcinoma of the stomach] Čičin-Sain S, et al. **Lijec Vjesn** 97(8):461–5, Aug 75 (Eng. Abstr.) **(Cro)**
[Radiological aspects of primary lympho-reticulosarcomas of the stomach (in relation to 20 cases) (author's transl)] Le Cudonnec B, et al. **Ann Radiol (Paris)** 18(6):609–18, Sep-Oct 75 (Eng. Abstr.) **(Fre)**
[Radiologic examination of the stomach by the double contrast method] Crocella A.
J Radiol Electrol Med Nucl 56 suppl 2:616–7, 1975 **(Fre)**
[Radiological appearances of cancer of the gastric stump (author's transl)] Gonzalez LR, et al.
J Radiol Electrol Med Nucl 56(4):317–22, Apr 75 (Eng. Abstr.) **(Fre)**
[Diffuse gastric polyposis predominating in the antrum (author's transl)] Gorce D, et al.
J Radiol Electrol Med Nucl 56(4):345–7, Apr 75 (Eng. Abstr.) **(Fre)**
[Letter: Difference between benign and cancerous gastric niches. Therapeutic test with acetazolamide] Puscas I, et al. **Nouv Presse Med** 4(42):3010, 6 Dec 75 **(Fre)**
[Results of gastric lymphography with particular reference to gastric carcinoma (author's transl)] Schacht U, et al.
Dtsch Med Wochenschr 101(19):725–9, 7 May 76 (Eng. Abstr.) **(Ger)**
[Neurogenic gastric tumours. Schwannomas and neurofibromas (author's transl)] Schirmer G, et al.
Fortschr Geb Roentgenstr Nuklearmed 122(6):534–41, Jun 75 (Eng. Abstr.) **(Ger)**
[Rare case of an adult teratoma of the stomach (author's transl)] Olbert F, et al. **Radiol Clin (Basel)** 44(6):527–31, 1975 **(Ger)**
[A simple method of double contrast examintaion of the stomach] Kriedemann E, et al. **Z Aerztl Fortbild (Jena)** 69(19):1016–7, 1 Oct 75 **(Ger)**
[Selective angiography of abdominal organs--with special reference to gastric diseases] Nomura M.
Acta Med (Fukuoka) 45(3):160–81, Jul 75 (Eng. Abstr.) **(Jpn)**
[Surgical investigation of cases of stomach cancer found at mass gastric examination: significance and evaluation of mass gastric examination conducted annually] Kusaba I.
Jpn J Clin Radiol 20(8):651–61, Aug 75 **(Jpn)**
[Vanishing tumor of the stomach?] Yamazaki M, et al.
Jpn J Clin Radiol 21(1):47–54, Jan 76 **(Jpn)**
[False gastric tumors] Chacon JP, et al. **Rev Paul Med** 85(3-4):91–2, Mar-Apr 75 (Eng. Abstr.) **(Por)**
[Our experience with the use of the double-contrast radiological method in the diagnosis of difficult cases of diseases of the esophago-cardial tuberosity] Suteanu S, et al. **Rev Med Intern [Med Intern]** 28(1):63–72, Jan-Feb 76 (Eng. Abstr.) **(Rum)**
[Possibilities of selective angiography with the use of histamine in the determination of operability in stomach cancer] Antonovich VB, et al. **Med Radiol (Mosk)** 20(8):21–3, Aug 75 **(Rus)**
[Splenoportography in cancer of the resected stomach] Roshchektaev NV. **Vestn Rentgenol Radiol** (2):26–32, Mar-Apr 75 (Eng. Abstr.) **(Rus)**
[X-ray diagnosis of early stomach cancer] Shekhter IA, et al. **Vestn Rentgenol Radiol** (2):18–26, Mar-Apr 75 (Eng. Abstr.) **(Rus)**
[Diagnosis of minor (early) stomach neoplasms at a new stage] Sokolov IuN, et al. **Vestn Rentgenol Radiol** (2):5–18, Mar-Apr 75 (Eng. Abstr.) **(Rus)**
[X-ray diagnosis of stomach cancer with multiple ulcerations] Usova NA. **Vestn Rentgenol Radiol** (6):17–21, Nov-Dec 75 (Eng. Abstr.) **(Rus)**
[Diagnosis of early forms of stomach cancer by use of large-frame fluorography] Vintergal'ter SF.
Vestn Rentgenol Radiol (2):92–4, Mar-Apr 75 **(Rus)**
[Radiological possibilities in differentiation] Antevski D, et al. **God Zb Med Fak Skopje** 21:283–91, 1975 (Eng. Abstr.) **(Ser)**
[Gastric Hodgkin's disease] Gómez-Ferrer FT, et al.
Rev Esp Enferm Apar Dig 47(2):241–8, Feb 76 **(Spa)**

RADIOTHERAPY

[Radiotherapy of stomach cancer (1), with special reference to pathological changes caused by radiation] Matsuda T.
Jpn J Clin Radiol 20(13):1199–200, Dec 75 **(Jpn)**
[Radiotherapy of stomach cancer (2)] Tanaka T, et al.
Jpn J Clin Radiol 21(1):79–80, Jan 76 **(Jpn)**
[Prognosis of patients preoperatively irradiated for progressive gastric cancer. Prognosis of patients preoperatively irradiated with the betatron electron beam for progressive gastric cancer with main lesions in the antrum and the lower-portion of the body of the stomach (author's transl)] Nishio H, et al. **Nippon Acta Radiol** 35(5):313–20, 25 May 75 (Eng. Abstr.) **(Jpn)**
[Treatment of esophageal and cardial cancer with the use of concentrated irradiation] Stoliarov VI, et al.
Khirurgiia (Mosk) (4):16–9, Apr 76 (Eng. Abstr.) **(Rus)**
[Morphologic changes following preoperative irradiation of cancer of the esophagus and cardia] Kolycheva NI, et al.
Vopr Onkol 21(12):74–5, 1975 **(Rus)**

REHABILITATION

[Restoration of work capacity after radical operations in gastric cancer (survey of Soviet and foreign literature)] Simonov NN. **Vestn Khir** 114(5):149–51, May 75 **(Rus)**
[The work capacity and working arrangements of patients following stomach resection for cancer] Kuznetsov NN, et al. **Vopr Onkol** 21(5):105–10, 1975 (Eng. Abstr.) **(Rus)**

SECRETION

Gastric carcinoid with ectopic production of ACTH and beta-MSH. Hirata Y, et al. **Cancer** 37(1):377–85, Jan 76
Simultaneous ectopic production of parathyroid hormone and calcitonin. Deftos LJ, et al. **Metabolism** 25(5):543–50, May 76

SURGERY

Lymphangioma of the stomach in a child. Drago JR, et al.
Am J Surg 131(5):605–6, May 76
Cancer of the cardia. Teitler RF, et al. **Am J Surg** 129(1):89–93, Jan 75
Further surgical management of gastric ulcer with unsuspected malignant change. Desmond AM, et al.
Ann R Coll Surg Engl 57(2):101–4, Aug 75
Palliative surgical treatment of gastric carcinoma, duration of survival in 217 cases. Zwaveling A. **Arch Chir Neerl** 28(1):5–12, 1976
Experience with 21 pancreaticoduodenectomies. Ruilova LA, et al. **Arch Surg** 111(1):27–30, Jan 76
Proceedings: A randomized controlled trial of preoperative intravenous nutrition in patients with stomach cancer. Williams RH, et al. **Br J Surg** 63(8):667, Aug 76
Editorial: Advanced gastric cancer. **Br Med J** 4(5992):311, 8 Nov 75
Oncologic duodenopancreatectomy. Mainetti JM.
Bull NY Acad Med 51(11):1205–15, Dec 75
Surgical management of carcinoma of the thoracic oesophagus and cardia. Natkunam R, et al.
Ceylon Med J 20(4):229–33, Dec 75
Esophagogastrostomy. Analysis of 55 cases. Boyd AD, et al. **J Thorac Cardiovasc Surg** 70(5):817–25, Nov 75
A new procedure for transabdominal resection of esophagocardial cancer and cervical anastomosis obviating thoracotomy. Hattori T, et al. **Jpn J Surg** 5(4):211–21, Dec 75
Gastrointestinal endoscopic polypectomy. Barrett PJ, et al.
Med J Aust 1(1-2):5–7, 3-10Jan 76
Benign polyposis treated by total gastrectomy. Feraru F, et al. **NY State J Med** 76(1):97–100, Jan 76
Management of gastric polyps--a review. Bone GE, et al.
Rev Surg 33(3):211–5, May-Jun 76 (15 ref.)
Gastro-intestinal fibre-endoscopic polypectomy. Novis BH, et al. **S Afr Med J** 49(51):2118–20, 29 Nov 75

Treatment of gastric cancer. Cady B, et al. **Surg Clin North Am** 56(3):599–605, Jun 76

Surgery for malignant lesions of the esophagogastric junction. Ellis FH Jr. **Surg Clin North Am** 56(3):571–86, Jun 76

Management of gastric polyps. Bone GE, et al. **Surg Gynecol Obstet** 142(6):933–8, Jun 76

[The surgery of gastric cancer (author's transl)] Rapant V. **Cas Lek Cesk** 115(15):449–53, Apr 76 (Eng. Abstr.) **(Cze)**

[Experiences with the surgical treatment of carcinoma of the stomach in old age] Hájek M, et al. **Rozhl Chir** 55(6):386–90, Jun 76 (Eng. Abstr.) **(Cze)**

[Results of surgical therapy of stomach carcinoma] Van Kleef JG, et al. **Tijdschr Gastroenterol** 18(5):272–85, 1975 (Eng. Abstr.) **(Dut)**

[Total gastrectomy in carcinoma of the stomach. A statistical study of 300 cases] Guivarc'h M, et al. **Ann Chir** 30(5):385–90, May 76 (Eng. Abstr.) **(Fre)**

[Value of total gastrectomy for treatment of cancers of the stomach. Study of 482 radical operations] Lortat-Jacob J, et al. **Chirurgie** 101(1):59–67, 15–29 Jan 75 **(Fre)**

[Acute hemodilution in normovolemia. Possibilities of major surgical operations without transfusion. Apropos of an esogastrectomy in a Jehovah's Witness] Testas P, et al. **Chirurgie** 101(4):266–71, 12–19 Mar 75 (Eng. Abstr.) **(Fre)**

[Palliative treatment of nonresectable cardia tumors using esophago–jejunal bypass] Kotsis L, et al. **Acta Chir Acad Sci Hung** 16(4):359–65, 1975 (Eng. Abstr.) **(Ger)**

[Results of treatment of stomach cancer in a closed population free of selection bias (author's transl)] Pothe H. **Arch Geschwulstforsch** 45(8):822–9, 1975 (Eng. Abstr.) **(Ger)**

[Letter: Early carcen of the stomach] Farthmann E. **Dtsch Med Wochenschr** 101(19):760–1, 7 May 76 **(Ger)**

[Endoscopic polypectomy of the upper gastro–intestinal tract: results and clinical features (author's transl)] Singer M, et al. **Dtsch Med Wochenschr** 100(45):2313–6, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Gastric neurinoma (author's transl)] Schumpelick V, et al. **Langenbecks Arch Chir** 338(3):201–13, 9 Jun 75 (Eng. Abstr.) **(Ger)**

[Secondary isophageal reconstruction after resection of a cardia carcinoma (author's transl)] Bernard W, et al. **Thoraxchirurgie** 24(1):29–31, Feb 76 (Eng. Abstr.) **(Ger)**

[Gastroscopy and polypectomy. What does gastroenterologic endoscopy offer to the surgeon? (1)] Waldmann D. **ZFA (Stuttgart)** 52(19):980–5, 10 Jul 76 **(Ger)**

[Our experience with total gastrectomy for treatment of gastric carcinoma] Gazzaniga M, et al. **Minerva Chir** 31(5):181–4, 15 Mar 76 (Eng. Abstr.) **(Ita)**

[Antiperistaltic esophago–jejuno–duodenostomy after total gastrectomy] Moricca F. **Minerva Chir** 30(9):516–9, 15 May 75 (Eng. Abstr.) **(Ita)**

[Rosanov's procedure after total gastrectomy for cancer] Scarabelli L, et al. **Minerva Med** 66(68):3589–91, 13 Oct 75 **(Ita)**

[Letter: Complications of endoscopic polypectomy in the ventricle] Dedichen H. **Tidsskr Nor Laegeforen** 96(6):390–1, 28 Feb 76 **(Nor)**

[Gastric carcinoma] Drews R, et al. **Pol Przegl Chir** 47(9):1101–7, Sep 75 (Eng. Abstr.) **(Pol)**

[Gastric carcinoid tumor] Rabenda M, et al. **Wiad Lek** 28(21):1791–2, 1 Nov 75 **(Pol)**

[Extrapleural approach to the esophagus through frenolaparatomy] Pinotti HW. **Rev Assoc Med Bras** 22(2):57–60, Feb 76 (Eng. Abstr.) **(Por)**

[Clinicoradiological adaptation of patients with exojejunal or exogastric anastomosis after total or upper polar gastrectomy] Bancu VE, et al. **Rev Chir [Chir]** 24(6):407–10, Nov–Dec 75 **(Rum)**

[Transdiaphragmatic shunt with a Roux loop in non–resectable neoplastic processes of the cardia] Kotsis L, et al. **Rev Chir [Chir]** 24(6):441–6, Nov–Dec 75 (Eng. Abstr.) **(Rum)**

[Remote results of gastrectomy in cancer] Britvin AA. **Khirurgiia (Mosk)** (4):20–2, Apr 76 (Eng. Abstr.) **(Rus)**

[Complex psychosomatic approach in evaluating the work capacity of patients operated on for stomach cancer] Gerasimenko VN, et al. **Khirurgiia (Mosk)** (9):26–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Combined treatment of operable stomach cancer] Koliadiuk IV, et al. **Khirurgiia (Mosk)** (11):64–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Complications of palliative treatment of cancer of the cardia] Krivonogov BB, et al. **Khirurgiia (Mosk)** (8):106–9, Aug 75 **(Rus)**

[Functional results of the operations in cancer of the upper portion of the stomach depending on the method of restoration of continuity of the digestive tract] Kuzin MI, et al. **Khirurgiia (Mosk)** (5):108–13, May 75 (Eng. Abstr.) **(Rus)**

[Reasons for the nonradical surgical treatment of cancer of the proximal section of the stomach] Melikidze GN. **Khirurgiia (Mosk)** (9):22–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Surgical treatment of cancer of the gastric stump] Stoliarov VI, et al. **Khirurgiia (Mosk)** (9):13–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Comparative assessment of the Billroth I and Billroth II operations in stomach cancer] Zolin VP. **Khirurgiia (Mosk)** (9):19–21, Sep 75 (Eng. Abstr.) **(Rus)**

[Complications and early repeated interventions after surgery of stomach cancer] Borozduna RB, et al. **Klin Khir** (10):70–1, Oct 75 **(Rus)**

[Bile sectretion after gastrectomy in cancer patients] Zavgorodniĭ LG, et al. **Klin Khir** (11):44–9, Nov 75 **(Rus)**

[Methods of endoscopic removal of gastric polyps] Pantsyrev IuM, et al. **Sov Med** (2):111–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Surgical tactics in stomach cancer complicated by hemorrhage] Veller DG, et al. **Sov Med** (8):144–5, Aug 75 **(Rus)**

[Polypectomy through the gastroscope] Berezov IuE, et al. **Vestn Akad Med Nauk SSSR** (10):90–5, 1975 **(Rus)**

[Removal of polyps from the stomach and large intestine through a fiberscope] Savel'ev VS, et al. **Vestn Khir** 114(2):26–31, Feb 75 (Eng. Abstr.) **(Rus)**

[Hemorrhage after endoscopic polypectomy of the stomach] Vasil'ev IuV, et al. **Vestn Khir** 116(5):104–5, May 76 (Eng. Abstr.) **(Rus)**

[Remote and immediate results of treatment of cancer of the body of the stomach and the cardia from 1959–1973 (according to the data of the Pskov District Oncological Dispensary)] Bogachev AI. **Vopr Onkol** 22(2):72–5, 1976 (Eng. Abstr.) **(Rus)**

[Esophago–intestinal bypass anastomoses for inoperable cancer of the proximal portion of the stomach and abdominal portion of the esophagus] Burtsev AN, et al. **Vopr Onkol** 21(12):29–32, 1975 (Eng. Abstr.) **(Rus)**

[Role of parenteral feeding of oncological patients in suture incompetence of the anastomosis] Sudzhian AV, et al. **Vopr Onkol** 21(9):46–52, 1975 (Eng. Abstr.) **(Rus)**

[Operated gastric cancer. Review and surgical criteria] Carda Abella P, et al. **Rev Esp Enferm Apar Dig** 46(2):145–60, Aug 75 **(Spa)**

[Distal duodenostomy and postoperative high digestive fistula] Cascón AD, et al. **Rev Esp Enferm Apar Dig** 47(1):23–46, Jan 76 **(Spa)**

[Cancer of the gastric stump] de Arzúa Zulaica E. **Rev Esp Enferm Apar Dig** 47(1):47–84, Jan 76 **(Spa)**

[Lewis–Tanner's operation applied to malignant tumors of the tuberous esophago–cardiac intersection] de Miguel J. **Rev Esp Enferm Apar Dig** 46(5):477–84, Nov 75 **(Spa)**

[Diagnostic use of fibrogastroscopy in the operated stomach] Pertejo V, et al. **Rev Esp Enferm Apar Dig** 46(6):657–64, Dec 75 **(Spa)**

[Comments of surgical therapy of gastric cancer] Salleras V, et al. **Rev Esp Enferm Apar Dig** 47(6):717–34, Jun 76 **(Spa)**

[Survival rate of advanced gastric cancer patients according to the type of surgical resection (author's transl)] Csendes A, et al. **Rev Med Chil** 103(4):244–6, Apr 75 (Eng. Abstr.) **(Spa)**

[Electrical hazards in endoscopic polypectomy] Engquist A, et al. **Lakartidningen** 72(40):3816–8, 1 Oct 75 (Eng. Abstr.) **(Swe)**

THERAPY

Granulomatous hepatitis caused by B.C.G. injection during immunotherapy of a malignant melanoma. Serrou B, et al. **Biomedicine [Express]** 23(6):236–40, 30 Jun 75

A study of survival in patients with stomach cancer treated by a combination of preoperative intra–arterial infusion therapy and surgery. Fujimoto S, et al. **Cancer** 37(4):1648–53, Apr 76

Extended radical operation with preoperative chemotherapy for gastric cancer. pp. 111–9. Jinnai D, et al. **In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.**

A controlled clinical trial of fluorouracil plus imidazole carboxamide dimethyl triazeno plus vincristine plus bis–chloroethyl nitrosourea plus radiotherapy in stomach cancer. Falkson G, et al. **Med Pediatr Oncol** 2(2):111–7, 1976

[Endoesophageal intubation in inoperable esophageal and cardia carcinoma] Metz L, et al. **Z Aerztl Fortbild (Jena)** 70(9):465–6, 1 May 76 **(Ger)**

[Palliative treatment–measures in inoperable cancer of the cardia] Gebhardt C, et al. **Zentralbl Chir** 100(18):1105–9, 1975 **(Ger)**

[Evaluation of adjuvant chemotherapy by 5–FU and mitomycin C for gastric surgery (author's transl)] Kobayashi E. **J Jpn Soc Cancer Ther** 10(1):42–52, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Combined treatment of operable stomach cancer] Koliadiuk IV, et al. **Khirurgiia (Mosk)** (11):64–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Neuroleptoanesthesia for patients subjected to irradiation for cancer of the stomach and rectum] Beliakov PD, et al. **Vopr Onkol** 21(5):35–40, 1975 (Eng. Abstr.) **(Rus)**

[An antireflux jejunostomy for nourishment of patients with inoperable stomach cancer] Burtsev AN, et al. **Vopr Onkol** 21(5):48–52, 1975 (Eng. Abstr.) **(Rus)**

[Anti–infectious immunity during treatment of stomach cancer patients] Kochetkova VA, et al. **Vopr Onkol** 21(5):113, 1975 **(Rus)**

URINE

Urinary polyamines in patients with gastric cancer and their change after gastrectomy. Takeda Y, et al. **Gann** 66(4):445–7, Aug 75

VETERINARY

Gastric carcinoma in a dog. Dorn AS, et al. **J Small Anim Pract** 17(2):109–17, Feb 76

[Stomach polyps in simians at the Sukhumi nursery] Lapin BA, et al. **Arkh Patol** 37(12):46–53, 1975 (Eng. Abstr.) **(Rus)**

STOMACH, RUMINANT

ANALYSIS

Vitamin B12 content in the complex stomach of small ruminants receiving propionic acid and sodium propionate in the food. Roussev V, et al. **Agressologie** 16 Spec No C:37–41, 1975

[Studies on the eructation mechanism in sheep. IV. The influence of prolonged fasting on the composition of the eructated rumen gases volume per cent and the (pH) in the ruminoreticulum] Kölling K. **Zentralbl Veterinaermed [A]** 23(2):97–106, Mar 76 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Spontaneous electrical activity in smooth muscles of the complex stomach and its changes under the influence of Na+ and Ca++ ions. Stoyanov IN, et al. **Agressologie** 16(5):295–9, 1975

Macroscopic anatomy of the stomach of the Hippopotamidae Gray, 1821. Langer P. **Zentralbl Veterinaermed [C]** 4(4):334–59, Nov 75

DRUG EFFECTS

[The effect of pituitary hormones on the bioelectrical activity of the gastric smooth muscle of small ruminants] Vdovina AI. **Fiziol Zh** 20(3):386–7, May–Jun 74 **(Ukr)**

INNERVATION

[Intrinsic innervation of isolated smooth muscle of ruminant forestomach (author's transl)] Taneike T, et al. **Jpn J Vet Sci** 37(3):301–11, Jun 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

The absorption of magnesium from the forestomachs, stomach and small intestine of sheep. Axford RF, et al. **Res Vet Sci** 19(3):333–4, Nov 75

PATHOLOGY

[Pathomorphologic changes in calves with ruminal acidosis for fattening] Dzhurov A. **Vet Med Nauki** 12(7):61–8, 1975 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Fertilizer calcium as a factor affecting the voluntary intake, digestibility and retention time of pangola grass (Digitaria decumbens) by sheep. Rees MC, et al. **Br J Nutr** 36(2):179–87, Sep 76

The site of magnesium absorption from the ruminant stomach. Tomas FM, et al. **Br J Nutr** 36(1):37–45, Jul 76

Health and performance of calves with forestomach–bypass fed milk replacer. McKinstry DM, et al. **J Dairy Sci** 59(2):333–7, Feb 76

Assay and use of magnesium ferrite as a reference in absorption trials with cattle. Neumark H, et al. **J Dairy Sci** 58(10):1476–81, Oct 75

Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. II. Application of published evidence to the development of theoretical model for predicting nonprotein nitrogen utilization. Roffler RE, et al. **J Dairy Sci** 58(12):1889–98, Dec 75

Liquid feed passage route into stomach compartments, influence of abomasal infusions on plasma glucose, and supplementation of dry rations with liquid feeds from lick–wheel feeders. Whitlow LH, et al. **J Dairy Sci** 59(4):675–81, Apr 76

A method for estimating the quantities of microbial and dietary proteins flowing in the duodenal digesta of ruminants. Evans RA, et al. **Proc Nutr Soc** 34(2):65A–66A, Sep 75

Digestion and absorption of lipids in non–ruminant and ruminant animals: a comparison. Harrison FA, et al. **Proc Nutr Soc** 34(3):203–10, Dec 75 (47 ref.)

Absorption of magnesium in the stomach of the ruminant. Horn JP, et al. **Proc Nutr Soc** 35(1):32A–33A, May 76

The synergistic effect of dietary carbohydrates on the passage of amino acids to the small intestine of the sheep. Offer NW, et al. **Proc Nutr Soc** 34(2):67A–68A, Sep 75

STOMACH RUPTURE

ETIOLOGY

Case of complete gastric rupture complicating resuscitation. Darke SG, et al. **Br Med J** 3(5980):414–5, 16 Aug 75

Unusual complication of amoebic liver abscess. Choudhury CR, et al. **J Indian Med Assoc** 64(8):210–1, 16 Apr 75

Neonatal gastric rupture due to congenital muscular defect. Arthornthurasook A, et al. **J Med Assoc Thai** 59(1):43–6, Jan 76

Spontaneous rupture of the stomach in the newborn: clinical and experimental evaluation. James AE Jr, et al. **Pediatr Res** 10(2):79–82, Feb 76

Rupture of the stomach following mouth-to-mouth respiration. Solowiejczyk M, et al. **Postgrad Med J** 50(590):769–72, Dec 74

[Recent case of rupture of the stomach after insufflation of oxygen into the pharynx of an adult] Henry X, et al. **Chirurgie** 102(5):348–57, May 76 (Eng. Abstr.) **(Fre)**

[Letter: Stomach rupture caused by explosion of intragastric intestinal gas] Champault G, et al. **Nouv Presse Med** 5(27):1695–6, 3–10 Jul 76 **(Fre)**

[Stomach perforation in volvulus] Leporskiĭ VN, et al. **Khirurgiia (Mosk)** (6):123–4, Jun 75 **(Rus)**

[Rare case of rupture of the stomach in pyloric stenosis] Vinogradov VI, et al. **Vopr Okhr Materin Det** 19(2):81–3, Feb 74 **(Rus)**

[Alcoholic pancreatitis of pseudocystic evolution with stomach rupture. Report of a case] Cabezas JG, et al. **Rev Esp Enferm Apar Dig** 47(1):101–18, Jan 76 **(Spa)**

RADIOGRAPHY

[Traumatic gastric rupture] Zakrzewski M, et al. **Pol Przegl Radiol** 39(5):611–13, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

SURGERY

[A large spontaneous rupture of the stomach] Parapanov G. **Khirurgiia (Sofiia)** 27(6):553–5, 1974 **(Bul)**

[Spontaneous gastric rupture, sucessfully treated] Horváth L, et al. **Orv Hetil** 117(1):35–7, 4 Jan 76 **(Hun)**

STOMACH ULCER

Editorial: The gastric ulcer problem. Mc Hardy G. **Am J Dig Dis** 21(2):137, Feb 76

Editorial: Natural history of gastric ulcer. **NZ Med J** 82(543):21–2, 9 Jul 75

[Diagnosis, prognosis and surgical treatment of stomach and duodenal ulcers] Klempa I, et al. **Lebensversicherungsmedizin** 27(5):103–7, Sep 75 **(Ger)**

[Biphasic (ulcer-forming and ulcer-preventing) effect of adrenaline in rats] Dozaki T, et al. **Folia Pharmacol Jpn** 71(5):405–14, Jul 75 (Eng. Abstr.) **(Jpn)**

[Disappearance of symptoms and healing of gastric and duodenal ulcer] Grabowski T, et al. **Pol Tyg Lek** 31(3):99–100, 19 Jan 76 (Eng. Abstr.) **(Pol)**

[Characteristics of the clinical course and diagnosis of peptic ulcer with localization in the upper portion of the stomach] Grebenev AL, et al. **Klin Med (Mosk)** 52(2):19–23, Feb 74 (69 ref.) **(Rus)**

[Clinico-morphological characteristics of stomach ulcer in middle-aged and aged patients] Kodolova IM, et al. **Klin Med (Mosk)** 52(1):105–10, Jan 74 **(Rus)**

[Certain data on the dynamics of large and giant gastric ulcers in middle-aged and old persons] Barmin VS, et al. **Vrach Delo** (8):81–8, Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD

Serum gestrin in Chinese patients with peptic ulcer. Fung WP, et al. **Aust NZ J Med** 5(6):515–7, Dec 75

The effect of carbenoxolone sodium on the plasma 11 hydroxycorticoid levels in chronic gastric ulceration. Gollan JL, et al. **Aust NZ J Med** 5(3):231–4, Jun 75

The effect of betazole on serum group I pepsinogen levels: studies in symptomatic patients with and without recurrent ulcer after vagotomy and gastric resection or drainage. Samloff IM, et al. **Gastroenterology** 70(6):1007–13, Jun 76

[Distribution of ABO blood groups and Rh factor in patients with gastric and duodenal ulcer and gastric cancer (author's transl)] Csendes A, et al. **Rev Med Chil** 103(7):470–3, Jul 75 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Sequential morphological changes of ulceration in the glandular stomach of rats induced by iodoacetamide. Shirai T, et al. **Acta Pathol Jpn** 25(4):463–76, Jul 75

Ulcer formation and histochemical changes in rat-stomach mucosa induced by acetylsalicylic acid. Jorgensen TG. **Acta Pathol Microbiol Scand [A]** 84(1):64–72, Jan 76

A synergistic interaction between aspirin, or other non-steroidal anti-inflammatory drugs, and stress which produces severe gastric mucosal damage in rats and pigs. Rainsford KD. **Agents Actions** 5(5):553–8, Dec 75

The role of the mucosal barrier in drug-induced gastric ulceration and erosions. Cooke AR. **Am J Dig Dis** 21(2):155–64, Feb 76 (101 ref.)

Gastric ulceration associated with aspirin ingestion in an achlorhydric patient: a case report. Rafoth RJ, et al. **Am J Dig Dis** 21(3):279–80, Mar 76

Effect of fundic ulcers induced by iodoacetamide on development of gastric tumors in rats treated with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Gann** 67(1):47–54, Feb 76

Progress report. Aspirin in chronic gastric ulcer: an Australian experience. Duggan JM. **Gut** 17(5):378–84, May 76 (31 ref.)

Ulcerogenic effect of steroids in 'shay' operated toads Bufo melanostictus Schneider. Sheriff EM, et al. **Indian J Exp Biol** 13(4):333–6, Jul 75

Effect of L-glutamine on acetylsalicylic acid-induced gastric lesions in pregnant and non-pregnant rats. Takeuchi K, et al. **Jpn J Pharmacol** 26(2):267–9, Apr 76

Editorial: Aspirin and chronic gastric ulcer. **Med J Aust** 1(5):104–5, 31 Jan 76

Letter: Aspirin and chronic gastric ulcer. **Med J Aust** 1(11):370, 13 Mar 76

Letter: Gastric ulceration after 'slow-K'. McMahon FG, et al. **N Engl J Med** 295(13):733–4, 23 Sep 76

[Gastric ulcer induced in the rat by non-steroid anti-inflammatory agents and the synergic effect of exogenous histamine] Canestrini C, et al. **Boll Chim Farm** 114(7):393–400, Jul 75 (Eng. Abstr.) **(Ita)**

[Experimental gastric ulcer: changes induced by alpha receptor blockage] Vila J, et al. **Arch Farmacol Toxicol** 2(1):7–22, Apr 76 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[The gastroduodenal peptic ulcerous disease (author's transl)] van der Hoeden R, et al. **Acta Psychiatr Belg** 75(4):372–80, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Penumopericardium due to transdiaphragmatic perforation of a gastric ulcer. Ghahremani GG, et al. **Am J Dig Dis** 21(7):586–91, Jul 76

Simultaneous perforation of a gastric and a duodenal ulcer. Ceccarelli F, et al. **Am J Gastroenterol** 65(5):457–60, May 76

Gastrointestinal hemorrhage secondary to cytomegalovirus after renal transplantation. A case report and review of the problem. Diethelm AG, et al. **Am J Surg** 131(3):371–4, Mar 76

Further surgical management of gastric ulcer with unsuspected malignant change. Desmond AM, et al. **Ann R Coll Surg Engl** 57(2):101–4, Aug 75

Gastrocolic fistulae in benign peptic ulcer disease. Kumar GK, et al. **Ann Surg** 18(2):236–40, Aug 76

Intrapericardial barium in a case of peptic ulceration. O'Driscoll J, et al. **Br J Radiol** 49(578):177–9, Feb 76

Tension pneumothorax from a perforated gastric ulcer. Nayak IN, et al. **Br J Surg** 63(3):245–7, Mar 76

Editorial: Gastric ulcers and achlorhydria. **Br Med J** 4(5994):426, 22 Nov 75

Benign gastric ulcer in a patient with pernicious anemia. Manier JW, et al. **Gastroenterology** 69(3):744–5, Sep 75

Antral duodenal fistula following penetration and perforation of a prepyloric ulcer into the duodenal bulb. Rohde H, et al. **Gastrointest Endosc** 22(2):99–101, Nov 75

Perforated peptic ulcer. Incidence, treatment and mortality. Gupta S. **Int Surg** 60(10):532–3, Oct 75

Coexistent duodenal and multiple gastric ulcers. Sinha SN, et al. **J Indian Med Assoc** 64(10):267–70, 16 May 75

Gastrocolic fistula complicating benign unoperated gastric ulcer. Report of four cases and review of the literature. Akwari OE, et al. **Mayo Clin Proc** 51(4):223–30, Apr 76

Perforated peptic ulcer long-term follow-up. Hennessy EJ, et al. **Med J Aust** 1(3):50–3, 17 Jan 76

Pulseless disease with optic atrophy, aortic incompetence and recurrent peptic ulceration. Linnemann MP, et al. **Proc R Soc Med** 68(12):806–8, Dec 75

Gastric ulcer and cancer. Montgomery RD, et al. **Q J Med** 44(176):591–9, Oct 75

Gastrocolic fistula as a complication of benign gastric ulcer. Laufer I, et al. **Radiology** 119(1):7–11, Apr 76

Rupture of a subcapsular haematoma of the spleen resulting from a penetrating gastric ulcer. Immelman EJ. **S Afr J Surg** 13(4):261–3, Dec 75

Gastric and duodenal ulcers in the same patient. Bonnevie O. **Scand J Gastroenterol** 10(6):657–64, 1975

The nonoperative treatment of massive pyloroduodenal hemorrhage by retracted autologous clot embolization. Eisenberg H, et al. **Surgery** 79(4):414–20, Apr 76

Proceedings: Ulcer-carcinoma of the stomach in Ibadan, Nigeria. Abioye AA. **West Afr J Pharmacol Drug Res** 2(1):111P, Dec 74

[Recurrent perforated gastroduodenal ulcers and their operative treatment] Apostolov N. **Khirurgiia (Sofiia)** 28(6):535–40, 1975 (Eng. Abstr.) **(Bul)**

[Carcinoid tumor of the terminal ileum, ulcerated cancer of the stomach and hepatic metastasis] Chatelin CL, et al. **Sem Hop Paris** 51(45):2723–6, 16 Nov 75 **(Fre)**

[Hepatopathies in stomach diseases] Kleine FD, et al. **Dtsch Z Verdau Stoffwechselkr** 34(5–6):287–91, 1974 **(Ger)**

[Syntropy between gastric and duodenal ulcers and tuberculosis? (author's transl)] Schwabe HK. **Prax Pneumol** 30(3):137–53, Mar 76 (Eng. Abstr.) **(Ger)**

[Gastric ulcer as the second ulcer] Marlicz K, et al. **Wiad Lek** 28(16):1357–9, 15 Aug 75 (Eng. Abstr.) **(Pol)**

[Coexistence of gastric and duodenal ulcers (developmental, pathogenic and therapeutic details)] Bidulescu A, et al. **Rev Chir [Chir]** 24(3):169–71, May–Jun 75 **(Rum)**

[Chronic gastric ulcer penetrating into the heart] Morozovich BR. **Arkh Patol** 37(10):70–2, 1975 (Eng. Abstr.) **(Rus)**

[Modern aspects of the problem of gastroduodenal hemorrhages] Babichev SI, et al. **Khirurgiia (Mosk)** (5):114–21, May 75 (Eng. Abstr.) **(Rus)**

[Stomach ulcer hemorrhage associated with perforation of another ulcer] Geller AN, et al. **Klin Khir** (2):60–1, 1975 **(Rus)**

[Characteristics of the course and surgical tactics in peptic ulcer hemorrhages developed against the background of other diseases] Kal'chenko II, et al. **Klin Khir** (2):8–13, 1975 (Eng. Abstr.) **(Rus)**

[Left cardiac ventricle penetration due to a gastric ulcer] Vovchuk VA, et al. **Klin Khir** (11):74–5, Nov 75 **(Rus)**

[Endoscopic diagnosis of masked perforated peptic ulcer] Bebiia NV. **Vestn Khir** 115(12):25–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Phytobezoar in combination with a stomach ulcer] Iusubov DR. **Vestn Khir** 114(4):116, Apr 75 **(Rus)**

[Surgical tactics in perforating gastroduodenal ulcer] Kal'chenko II, et al. **Vestn Khir** 115(7):9–14, Jul 75 (Eng. Abstr.) **(Rus)**

[Results of treatment of perforated peptic ulcer by the method of primary gastric resection] Kavachadze RG, et al. **Vestn Khir** 116(5):34–7, May 76 (Eng. Abstr.) **(Rus)**

[Rupture of the stomach and duodenum at the site of ulcer] Magomedov AZ. **Vestn Khir** 116(3):118–9, Mar 76 **(Rus)**

[Characteristics of the course of stomach ulcer in adenoma of the pancreas and heterotopic location of its accessory lobe] Nechiporuk VM, et al. **Vestn Khir** 114(2):126–9, Feb 75 **(Rus)**

[Rare complication of penetrating gastric ulcer] Sen'ko VP, et al. **Vestn Khir** 116(2):137–8, Feb 76 **(Rus)**

[Results of the treatment of acute ulcerative hemorrhages in young people] Turdzeladze DP. **Voen Med Zh** (8):28–30, Aug 75 **(Rus)**

[Assessment of the findings of fibrogastroscopy with gastrobiopsy and determination of hexokinase activity in the serum and gastric juice of stomach ulcer patients] Pavlov KA, et al. **Vopr Onkol** 22(5):10–4, 1976 (Eng. Abstr.) **(Rus)**

[Classification of the severity of blood loss in gastroduodenal hemorrhages of peptic ulcer etiology] Fridman ME, et al. **Zdravookhr Kirg** (6):9–12, Nov–Dec 75 **(Rus)**

[Association of gastric and duodenal ulcer in the same patient] López Vizcaya F, et al. **Rev Esp Enferm Apar Dig** 46(5):541–6, Nov 75 **(Spa)**

DIAGNOSIS

Evaluation of gastric ulcerations. Nelson RS, et al. **Am J Dig Dis** 21(6):389–92, May 76

The bleeding marginal ulcer. Catheterization diagnosis and therapy. Rosenbaum A, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):812–5, Dec 75

Comparative histological and cytological investigations in gastric neoplasias and chronic ulcers. Turpini R, et al. **Boll Soc Ital Biol Sper** 52(6):391–6, 30 Mar 76

Importance of the site of endoscopic gastric biopsy in ulcerating lesions of the stomach. Hatfield AR, et al. **Gut** 16(11):884–6, Nov 75

Factors relevant to the prognosis of chronic gastric ulcer. Piper DW, et al. **Gut** 16(9):714–8, Sep 75

Editorial: When is a gastric ulcer really a cancer? **Lancet** 1(7953):233–4, 31 Jan 76

[A comparison of radiology and endoscopy in the diagnosis of gastric and duodenal ulcers(author's transl)] Stender HS, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):381–5, May 75 (Eng. Abstr.) **(Ger)**

[Stomach ulcer and stomach cancer] Berndt H. **Z Gesamte Inn Med** 30(19):640, 641–5, 1 Oct 75 (Eng. Abstr.) **(Ger)**

[Stomach ulcer in the emergency endoscopy] Bosseckert H. **Z Gesamte Inn Med** 30(19):637–40, 1 Oct 75 (Eng. Abstr.) **(Ger)**

[Usefulness and limitations of fibrogastroscopy and cytohistology in the study of peptic ulcers of the stomach] Montori A, et al. **Minerva Gastroenterol** 21(3):91–101, Jul–Sep 75 (Eng. Abstr.) **(Ita)**

[Chronic peptic ulcer in children. Observations based on our material] Zysk J, et al. **Pediatr Pol** 50(8):999–1008, Aug 75 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in a case of double gastric ulcer] Polak LL, et al. **Wiad Lek** 29(7):631–4, 1 Apr 76 (Eng. Abstr.) **(Pol)**

[Therapeutic test with acetazolamide in the differentiation of benign and malignant niches] Puşcaş I, et al. **Rev Med Intern [Med Intern]** 27(6):449–51, Nov–Dec 75 (Eng. Abstr.) **(Rum)**

[Results of 7,000 fibergastroscopies] Pavlov KA, et al. **Vestn Khir** 114(4):21–4, Apr 75 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of ulcers of the cardial portion of the stomach] Pechatnikova EA, et al. **Vrach Delo** (1):76–80, Jan 74 (Eng. Abstr.) **(Rus)**

DIET THERAPY

[Effect of diet on experimental ulcer in rats] Lastowski Z. **Acta Pol Pharm** 32(4):509–12, 1975 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Letter: Antacids for gastric ulcer. Baron JH. **Am J Dig Dis** 21(6):434, May 76

Antacid vs placebo in hospitalized gastric ulcer patients: a controlled therapeutic study. Butler ML, et al. **Am J Dig Dis** 20(9):803–7, Sep 75

Effects of carbenoxolone Na on acute and chronic gastric ulcer models in experimental animals. Okabe S, et al. **Am J Dig Dis** 21(8):618–25, Aug 76

Some aspects in the pharmacology of diclonium bromide (2-(3,4-dicholoroanilino)quinolizinium bromide). Part II: Gastric acid-antisecretory and antiulcerogenic actions. Goldenberg MM. **Arzneim Forsch** 26(3):347–50, 1976

Some aspects in the pharmacology of diclonium bromide (2-(3,4-dicholoroanilino)quinolizinium bromide). Part II: Gastric acid-antisecretory and antiulcerogenic actions.

Goldenberg MM. **Arzneim Forsch** 26(3):347–50, 1976

Effect of SAS (a new 10–N–acylaminophenothiazine) on gastric secretion and ulceration in rats. Kumar A, et al. **Br J Pharmacol** 56(4):491–3, Apr 76

Treatment of chronic gastric ulcer with gefarnate: a long–term controlled therapeutic trial. Truelove SC, et al. **Curr Med Res Opin** 4(3):218–22, 1976

Effects of acetylsalicylic acid (ASA), ASA plus L–glutamine and L–glutamine on healing of chronic gastric ulcer in the rat. Okabe S, et al. **Digestion** 14(1):85–8, 1976

Effects of long–term treatment with metiamide. Thjodleifsson B, et al. **Digestion** 12(3):134–43, 1975

Carbenoxolone sodium: its role in ulcer healing. Langman MJ. **Drugs** 11(4):241–4, 1976

Gastric antisecretory and antiulcer properties of PGE2, 15–methyl PGE2, and 16, 16–dimethyl PGE2. Intravenous, oral and intrajejunal administration. Robert A, et al. **Gastroenterology** 70(3):359–70, Mar 76 (71 ref.)

Clofibrate: antisecretory–antiulcer activity in the rat. Lippmann W, et al. **J Pharm Pharmacol** 28(2):165–6, Feb 76

Letter: Gastric ulcer and cimetidine. Avella JR. **Lancet** 1(7967):1019, 8 May 76

Letter: Cimetidine, metiamide and gastric ulcer. Logan RF, et al. **Lancet** 1(7960):650, 20 Mar 76

Healing of gastric ulcer during treatment with cimetidine. Pounder RE, et al. **Lancet** 1(7955):337–8, 14 Feb 76

Letter: Carbenoxolone sodium in the treatment of gestric ulceration in Chinese. **Med J Aust** 1(11):367, 15 Mar 75

Editorial: Zinc and gastric ulceration. **Med J Aust** 2(21):788, 22 Nov 75

The healing of gastric ulcers by zinc sulphate. Frommer DJ. **Med J Aust** 2(21):793–6, 22 Nov 75

Letter: Healing of gastric ulcers by zinc sulphate. Orr KB. **Med J Aust** 1(8):244, 21 Feb 76

Treatment of gastric ulceration with a bismuth preparation. Boyes BE, et al. **Postgrad Med J** 52(5 Suppl):29–33, 1975

Effect of tri–postassium di–citrato bismuthate (TDB) on the healing of experimental gastric ulcers in rats. Wilson TR. **Postgrad Med J** 51(5 Suppl):22–5, 1975

The effects of metiamide on the 'activity–stress' ulcer in rats. Houser VP, et al. **Psychopharmacologia** 44(1):37–41, 14 Oct 75

The early effect of trimipramine (Surmontil) on gastric secretion in man. Myren J, et al. **Scand J Gastroenterol** 10(8):817–9, 1975

A double blind trial of carbenoxolone and geranyl farnesyl acetate in gastric ulcer. Smith PM, et al. **Scand J Gastroenterol** 10(7):753–5, 1975

New histamine antagonists. Forrest JA. **Scott Med J** 21(1):2–3, Jan 76

[Anticholinergics in peptic ulcer] Christensen AE. **Ugeskr Laeger** 138(5):288–91, 26 Jan 76 (13 ref.) (Eng. Abstr.) **(Dan)**

[Therapy of ulcus ventriculi with Caved–S. Use of the gastrocamera for diagnosis and control of therapy] Mittelstaedt A, et al. **Fortschr Med** 94(16):343–6, 19 Feb 76 (Eng. Abstr.) **(Ger)**

[Experimental testing of a new gastrotherapeutic agent] Reikowski H. **Fortschr Med** 94(3):151–6, 22 Jan 76 **(Ger)**

[Clinical treatment of inflammatory and benign ulcerous diseases of the stomach and duodenum with a new combination preparation (Aci–Tensilan) (author's transl)] van de Loo W. **Munch Med Wochenschr** 118(9):271–4, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Therapy of gastric and duodenal ulcer with Metoclopramide] Leonhardt L. **ZFA** 52(12):652–4, 30 Apr 76 **(Ger)**

[Antisecretory and anti–gastric ulcer activity of a tranquilizing–parasympatholytic combination] de Pascale V, et al. **Boll Chim Farm** 114(1):35–52, Jan 75 (Eng. Abstr.) **(Ita)**

[Some new derivatives of 2–aminomethyl–N–ethylpyrrolidine and of the 3–amino–N–ethylpiperidine with antiemetic and antiulcer activity] Orzalesi G, et al. **Boll Chim Farm** 115(4):317–28, Apr 76 (Eng. Abstr.) **(Ita)**

[Anti–ulcer and antacid activity of a new cyclopentane substance] Rosini S, et al. **Farmaco [Prat]** 31(8):426–35, Aug 76 (Eng. Abstr.) **(Ita)**

[Treatment of gastric ulcer with acetazolamide and the differentiation between benign and malignant niches] Puscas I, et al. **G Clin Med** 55(5):371–6, May 74 (Eng. Abstr.) **(Ita)**

[Action mechanism of sodium polyacrylates against stomach ulcer] Kokue E, et al. **Folia Pharmacol Jpn** 71(4):323–8, May 75 **(Jpn)**

[Phamacological studies on bamboo grass (1). Acute toxicity and anti–inflammatory and antiulcerogenic activities of water–soluble fraction(Folin) extracted from Sasa albomarginata Makino et Shibata] Shibata M, et al. **Folia Pharmacol Jpn** 71(5):481–90, Jul 75 (Eng. Abstr.) **(Jpn)**

[Biological active principles of the crude drugs. II. Antiulcerogenic and anti–inflammatory actions of the crude drugs containing saponin (author's transl)] Yamahara J, et al. **J Pharm Soc Jpn** 95(10):1179–82, Oct 75 (Eng. Abstr.) **(Jpn)**

[New H2–antagonist—cimetidin. A revolution in the treatment of gastric ulcer diseases?] Naess K. **Tidsskr Nor Laegeforen** 96(7):442, 10 Mar 76 **(Nor)**

[Eglonyl in the treatment of peptic ulcer] Czarnecka K. **Pol Tyg Lek** 31(23):995–7, 7 Jun 76 (Eng. Abstr.) **(Pol)**

[Treatment of gastric and duodenal ulcer with acetazolamide (Ederen)] Ursea N, et al. **Rev Med Intern [Med Intern]** 27(6):453–64, Nov–Dec 75 (Eng. Abstr.) **(Rum)**

[Effect of gangleron on the free amino acid content in the gastric mucosa and in the biological fluids of rats with experimental ulcers] Mirzoian SA, et al. **Farmakol Toksikol** 38(2):198–200, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Influence of blockade of the choline–reactive systems on the origins of 'stress' and 'steroid' ulcers of the stomach] Berger EN, et al. **Patol Fiziol Eksp Ter** (1):29–32, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Method of treatment of chronic stomach ulcers by injecting prolonged–action celnovocaine into the gastric submucosa through fibrogastroscope] Britsis FA, et al. **Ter Arkh** 47(9):97–101, 1975 (Eng. Abstr.) **(Rus)**

[Oxiferriscarbon and methyluracil in the complex treatment of stomach ulcers Korzhukova PI, et al. **Ter Arkh** 47(5):113–6, 1975 (Eng. Abstr.) **(Rus)**

[Content of catecholamines in the hypothalamus and different parts of the stomach in experimental ulcer and change in their level under the effect of gangleron] Mirzoian SA, et al. **Zh Eksp Klin Med** 15(6):3–8, 1975 **(Rus)**

ENZYMOLOGY

Electrophoretic analysis of acid proteolytic zymogens in mucosa surrounding gastric ulcer. Ishimori A, et al. **Tohoku J Exp Med** 118(4):349–54, Apr 76

[Cholinergic and energetic shifts in the structures of the central nervous, cardiovascular, and digestive systems in the development of stress ulcers of the stomach] Kryshen' PF, et al. **Patol Fiziol Eksp Ter** (4):48–51, Jul–Aug 75 **(Rus)**

ETIOLOGY

Some comments on the cause of gastric and duodenal ulcers. Dragstedt LR. **Am J Dig Dis** 21(2):197–200, Feb 76

Experimental chronic gastric ulcer due to ischemia in rats. Guth PH, et al. **Am J Dig Dis** 20(9):824–34, Sep 75

The endocrine ulcer concept. McGuigan JE. **Am J Dig Dis** 21(2):144–7, Feb 76

Stress and the acute gastric mucosal lesion. Moody FG, et al. **Am J Dig Dis** 21(2):148–54, Feb 76 (45 ref.)

The incompetent pyloric sphincter. Bile and mucosal ulceration. Rovelstad RA. **Am J Dig Dis** 21(2):165–73, Feb 76 (98 ref.)

A new model of stress ulcer in the rat with pylorus ligation and its pathogenesis. Takeuchi K, et al. **Am J Dig Dis** 21(9):782–8, Sep 76

Incidence of stress ulcer formation associated with steroid therapy in various shock states. Jama RH, et al. **Am J Surg** 130(3):328–31, Sep 75

Congenital causes of duodenal ulcers in adults. Naylor RG, et al. **Arch Surg** 111(6):658–62, Jun 76

Portal hypertension and gastric lesions in the rat. Phelps TO, et al. **Arch Surg** 111(2):190–4, Feb 76

The prevalence of chronic gastritis in patients with gastric ulcer. Fung WP, et al. **Aust NZ J Med** 5(2):133–7, Apr 75

Proceedings: Ischaemic ulcers of the stomach. Samuel E. **Br J Radiol** 48(575):942–3, Nov 75

Acute gastric ulcer formation in response to electrical vagal stimulation in rats. Cho CH, et al. **Eur J Pharmacol** 35(1):215–9, Jan 76

The effects of metiamide on gastric secretion and stress ulceration in rats. Dai S, et al. **Eur J Pharmacol** 33(2):277–82, Sep–Oct 75

Intragastric NaHCO3 perfusion and vagal–induced ulcer formation in the rat stomach. Ogle CW, et al. **Eur J Pharmacol** 37(1):197–201, May 76

Effect of subdiaphragmatic vagotomy on production of gastric ulcers in pylorus–ligated albino rats. Ganguly AK, et al. **Experientia** 32(1):74–5, 15 Jan 76

Factors in the etiology of restraint erosions in parabiotic rats. Ackerman SH, et al. **Gastroenterology** 71(3):426–8, Sep 76

The influence of body temperature on the production of ulcers of restraint in the rat. Antoon JW, et al. **Gastroenterology** 70(5 PT.1):747–50, May 76

Chronic gastric ulcer in the rat produced by wounding at the fundo–antral junction. Wong J, et al. **Gastroenterology** 71(3):416–20, Sep 76

Pathophysiology of stress ulcer. pp. 3–12. Brodie DA, et al. **In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974.**

Pathological effects of aspirin and of haemorrhagic schock on the gastric mucosa of the rat. pp. 253–62. Harding RK, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Induction of gastric ulcers in the forestomachetomized albino rats by Shay operation. Ahamed PN, et al. **Indian J Exp Biol** 13(3):230–3, May 75

Pathogenesis of gastric and duodenal ulcers. Ribeiro EB. **Int Surg** 60(10):556, Oct 75

Gastric ulceration caused by Sengstaken–Blakemore balloon tamponade. Fenig J, et al. **NY State J Med** 76(3):404–7, Mar 76

Effects of manipulating cholinergic tone upon the activity–stress ulcer. Houser V, et al. **Pharmacol Biochem Behav** 3(5):825–31, Sep–Oct 75

Stress and ulcer etiology in the rat. Glavin GB, et al. **Physiol Behav** 16(2):135–9, Feb 76

Gastric pathology produced by hypothalamic lesions in rats. Lindholm E, et al. **Physiol Behav** 14(2):165–9, Feb 75

The effect of neuroleptics on the development of gastric ulcers in rats exposed to restraint–cold stress. Hano J, et al. **Pol J Pharmacol Pharm** 28(1):37–47, Jan–Feb 76

The interaction of behavior and environmental conditions in the production of stomach lesions in the rat. Sines JO. **Psychosom Med** 37(6):492–8, Nov–Dec 75

Alcohol, aspirin, depression, smoking, stress and the patient with a gastric ulcer. Bock OA. **S Afr Med J** 50(9):293–7, 28Feb 76

Beta–adrenergic mechanisms and ulcer formation in pylorus–ligated rats. Christensen KC, et al. **Scand J Gastroenterol** 10(7):715–20, 1975

Experimental stress ulcers: a review. Butterfield WC. **Surg Annu** 7:261–78, 1975 (105 ref.)

Duodenogastric reflux of lysolecithin in the pathogenesis of experimental porcine stress ulceration. Kivilaakso E, et al. **Surgery** 79(1):65–9, Jan 76

Acute gastric mucosal ulcerogenesis is dependent on the concentration of bile salt. Ritchie WP Jr, et al. **Surgery** 80(1):98–105, Jul 76

[Experimental gastric ulcer] Vojtíšek V. **Rozhl Chir** 55(4):217–26, Apr 76 (Eng. Abstr.) **(Cze)**

[Ulcerated benign gastric tumors] van Damme L, et al. **Tijdschr Gastroenterol** 18(6):340–58, 1975 (Eng. Abstr.) **(Dut)**

[Psychological aspects of ulcerous gastrointestinal diseases (author's transl)] Berkowitch S. **Acta Psychiatr Belg** 75(4):381–92, Jun–Jul 75 **(Fre)**

[4 cases of digestive hemorrhage as sequelae of laryngectomy] Cros AM, et al. **Anesth Analg (Paris)** 32(2):297–303, Mar–Apr 75 **(Fre)**

[Ischemic gastric ulcer on a stomach transposed into the thorax. Treatment by aorticohepatic venous transplant] Hivet M, et al. **Sem Hop Paris** 51(45):2719–22, 16 Nov 75 **(Fre)**

[Ulcerous complication developing on a subcutaneous gastric tube after esophagoplasty] Lortat–Jacob JL. **Sem Hop Paris** 51(45):2717–8, 16 Nov 75 **(Fre)**

[Combined ulcerogenous effect of alcohol or nicotine and stress in the rat] Dröszus JU, et al. **Verh Dtsch Ges Pathol** 59:585, 1975 **(Ger)**

[Incidence and genesis of stomach ulcer following orthopic homologous liver transplantation in swine] Mahnke PF, et al. **Zentralbl Chir** 100(16):990–6, 1975 **(Ger)**

METABOLISM

Demethylchlortetracycline–binding proteins in uninvolved gastric mucosa of gastric carcinoma and gastric ulcer patients. Demonstration of a difference between the uninvolved mucosa of ulcer and cancer patients. Lo E, et al. **Digestion** 14(2):117–26, 1976

Serum group I pepsinogen levels and their relation to gastric acid secretion in patients with and without recurrent ulcer. Samloff IM, et al. **Gastroenterology** 70(3):309–13, Mar 76

Histamine H2 receptor: involvement in gastric ulceration. Brown PA, et al. **Life Sci** 18(3):399–43, 1 Feb 76

Hypo–acidity of gastric juice in chronic gastric ulceration caused by neutralisation. Fiddian–Green RG, et al. **S Afr Med J** 50(15):580–2, 3 Apr 76

[Mucous barrier as a protective factor in the gastric mucosa] Iida F, et al. **Jpn J Gastroenterol** 72(12):1569–78, Dec 75 (Eng. Abstr.) **(Jpn)**

[Influence of immobilization and 3(beta–aminoethyl)–1, 2, 4–triazole on the calcium level in the tissues of the stomach of guinea pigs during the formation of experimental ulcers] Grechishkin LL, et al. **Farmakol Toksikol** 39(1) Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in the acetylcholine content of the wall of the stomach in the formation of 'stress' and 'steroid' stomach ulcers in animals with disorders of function of the thyroid gland] Rosolovskii AP. **Patol Fiziol Eksp Ter** (4):44–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The role of catecholamines in the mechanisms of thyroid gland influence on the development of 'stress' and 'steroid' stomach ulcers] Rosolovskii AP. **Probl Endokrinol (Mosk)** 22(1):64–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[The DNA of gastric tissue lymphocytes in ulcer disease and cancer] Zakharova TI. **Vopr Onkol** 21(12):8–12, 1975 (Eng. Abstr.) **(Rus)**

[Disorders of cholinergic and energy processes in the body during ulcer formation in the stomach under the effect of histamine] Tkach IuI. **Vrach Delo** (2):74–7, Feb 74 (Eng. Abstr.) **(Rus)**

[Content of neuroactive amino acids in the hypothalamus and liver of rats in experimental stomach ulcer and their changes under the effect of cholinolytic drugs] Mirzoian SA, et al. **Zh Eksp Klin Med** 15(5):6–10, 1975 **(Rus)**

MORTALITY

Causes of death in patients with gastric ulcers. Lindskov J, et al. **Acta Chir Scand** 141(7):670–5, 1975

OCCURRENCE

ABO blood groups in duodenal ulcer, gastric ulcer and the pseudo–ulcer syndrome. Viskum K. **Dan Med Bull** 22(7):313–6, Dec 75

Gastric pathology and aphagia following lateral

hypothalamic lesions in rats: effects of preoperative weight reduction. Grijalva CV, et al. **J Comp Physiol Psychol** 90(6):505–19, Jun 76

On risk factors for premature myocardial infarction in middle-aged building construction workers. A comparison with other selected illnesses. Theorell T, et al. **Scand J Soc Med** 4(2):61–66, 1976

[Radiological examination of the stomach in Copenhagen country. Incidence and results] Bonnevie O. **Ugeskr Laeger** 138(23):1375–81, 31 May 76 (Eng. Abstr.) **(Dan)**

[Gastric ulcers, stress and schizophrenia. Incidence of gastric ulcers in male schizophrenic patients (author's transl)] Hinterhuber H, et al. **Arch Psychiatr Nervenkr** 220(4):335–45, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Factors leading to increased susceptibility for gastric and duodenal ulcer formation in children and their clinical manifestations in the light of personal observations] Frelek M, et al. **Pediatr Pol** 51(6):671–7, Jun 76 (Eng. Abstr.) **(Pol)**

[Gastric ulcers of atypical location] de Dios Vega JF, et al. **Rev Esp Enferm Apar Dig** 46(3):307–18, Sep 75 **(Spa)**

PATHOLOGY

Morphology of the gastric mucosa in patients with ulcer diseases. Trier JS. **Am J Dig Dis** 21(2):138–40, Feb 76

Morphological features and healing of stress ulcers induced by alcohol and restraint. Lev R, et al. **Arch Pathol Lab Med** 100(10):554–8, Oct 76

Gastric ulcers in the fundic gland area. Tatsuta M, et al. **Gastroenterology** 71(1):16–8, Jul 76

Mucosal changes in gastric ulceration and their response to carbenoxolone sodium. Steer HW, et al. **Gut** 16(8):590–7, Aug 75

Mast cells of the human stomach. Steer HW. **J Anat** 121(2):385–97, Apr 76

Ultrastructure of cell migration throught the gastric epithelium and its relationship to bacteria. Steer HW. **J Clin Pathol** 28(8):639–46, Aug 75

A complementary method for the quantitative evaluation of rat stomach with Shay-ulcer. Ezer E, et al. **J Pharm Pharmacol** 27(11):866–7, Nov 75

Iatrogenic gastric ulceration in the dog: a comparison between continuous suction, intermittent suction, and continuous suction with hourly irrigation, using a double lumen nasogastric tube. Greene JF Jr, et al. **Milit Med** 141(4):252–4, Apr 76

Surface electron microscopical changes of the gastric mucosa in experimental porcine stress ulceration. Mylläriniemi H, et al. **Scand J Gastroenterol** 10(8):833–8, 1975

[Intensity and localization of inflammatory gastric mucosa changes in gastric ulcer, duodenal ulcer and stomach carcinoma. Studies on stomach resection preparations] Möbius G, et al. **Dtsch Z Verdau Stoffwechselkr** 35(3):113–22, 1975 **(Ger)**

[Chronic periulcerative gastritis] Knežević M, et al. **Verh Dtsch Ges Pathol** 59:578, 1975 **(Ger)**

[Macroscopic and histometric studies on the experimental acetic-acid ulcer of the rat stomach] Militzer K, et al. **Z Gastroenterol** 13(7):629–43, Nov 75 (Eng. Abstr.) **(Ger)**

[Eosinophilic granuloma and infiltrate of the stomach] Dlustus B, et al. **Orv Hetil** 116(49):2891–3, 7 Dec 75 **(Hun)**

[Morphological studies of gastric vasoconstriction, with special reference to ulcerative changes induced by restraint] Hattori T. **Jpn J Gastroenterol** 72(10):1240–51, Oct 75 (Eng. Abstr.) **(Jpn)**

[3H-thymidine autoradiographic study of regeneration in experimental gastric ulcer] Yoshiba N, et al. **Jpn J Gastroenterol** 72(4):339–54, Apr 75 (Eng. Abstr.) **(Jpn)**

[Morphological characteristics of healing of histamine-induced ulcers under the effect of desoxycorticosterone] Liashko NA, et al. **Vrach Delo** (9):47–51, Sep 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Influence of hippocampectomy on gastric ulcer in rats. Kim C, et al. **Brain Res** 109(2):245–54, 11 Jun 76

Role of pyloric reflux in experimental stress ulceration during haemorrhagic shock. Kivilaakso E, et al. **Eur Surg Res** 7(3):129–35, 1975

Changes in vascular permeability associated with acetic acid-induced gastrin ulcer in rats. Molster A, et al. **Eur Surg Res** 8(1):39–50, 1976

Reversibility of pyloric sphincter dysfunction in gastric ulcer. Fisher RS, et al. **Gastroenterology** 69(3):591–7, Sep 75

A new method to study the healing dynamics of acute gastric erosions and its application on restrained rats. Dutton JW, et al. **J Surg Res** 20(5):499–504, May 76

Defective bicarbonate secretion in response to duodenal acidification in patients with chronic gastric or duodenal ulceration. Fiddian-Green RG, et al. **S Afr Med J** 50(12):479–81, 20 Mar 76

The effect of intragastric neutralization on the gastric acid response to antral distension in man. Bergegårdh S, et al. **Scand J Gastroenterol** 10(6):625–31, 1975

The maintenance of gastric mucosal barrier during the early erosive gastritis component of stress ulceration. Fishcer RP, et al. **Surgery** 80(1):40–6, Jul 76

Gastric fibrinolysis. Nilsson IM, et al. **Thromb Diath Haemorrh** 34(2):409–18, 15 Nov 75

[Proceedings: Relationship of ulcer location and pyloro-antral wall hypertrophy in stomach ulcer] Liebermann-Meffert D, et al. **Z Gastroenterol** 14(2):244–5, Mar 76 **(Ger)**

[Electrogastrographic studies in patients with gastric and duodenal ulcer] Schulz J, et al. **Z Gesamte Inn Med** 30(11):388–90, 1 Jun 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Changes in electromyography of the stomach in experimental ulcer. II] Iwasaki A, et al. **Jpn Arch Intern Med** 11(4):249–51, Dec 75 **(Jpn)**

[Proceedings: Changes in the mucosal serotonin contents and the motility of the stomach and small intestine in experimentally induced gastric ulcer in rats] Takagi M. **Jpn Arch Intern Med** 11(4):219–20, Dec 75 **(Jpn)**

[Mucosal regeneration in experimental stomach ulcer in rats, with special reference to the role of differentiated cells] Suto H, et al. **Jpn J Gastroenterol** 72(11):1378–86, Nov 75 (Eng. Abstr.) **(Jpn)**

[Quantitative determination of basal gastric secretion and maximal pentagastrin-induced gastric secretion in gastric and duodenal ulcers in children 3 to 14 years of age] Mryglodowicz A. **Pol Tyg Lek** 31(10):403–5, 8 Mar 76 (Eng. Abstr.) **(Pol)**

[Hemodynamic and biochemical shifts in ulcer disease complicated by pyloro-duodenal stenosis] Poliakov NG, et al. **Klin Med (Mosk)** 53(11):31–5, Nov 75 **(Rus)**

[State of physiological cardia in patients with uncomplicated course of stomach ulcer] Ermolov AS, et al. **Sov Med** (4):107–11, Apr 75 (Eng. Abstr.) **(Rus)**

[Characteristics of gastric secretion and mucosal barrier in stomach ulcer in middle-aged and old persons] Maiorov VM, et al. **Sov Med** (2):26–33, Feb 76 (Eng. Abstr.) **(Rus)**

[Catamnestic observations of children with peptic ulcer of the stomach and duodenum] Belousov IuV. **Pediatr Akush Ginekol** (4):8–10, Jul–Aug 75 **(Ukr)**

PREVENTION & CONTROL

Prevention of experimental gastric ulcers in rats by dial derivatives. Gamski M, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):379–83, 1975

Effects of various amino acids on gastric lesions induced by acetylsalicylic acid (ASA) and gastric secretion in pylorus-ligated rats. Okabe S, et al. **Arzneim Forsch** 26(4):534–7, Apr 76

Effect of single and repeated administration of sulpiride on the restraint ulcer in the rat. Strocchi P, et al. **Arzneim Forsch** 26(3):419–21, 1976

Proceedings: Gastric acidity and the mechanisms by which prostaglandins prevent indomethacin-induced gastric erosions. Whittle BR. **Br J Pharmacol** 55(2):242P–243P, Oct 75

Modification of procine stress ulceration by methylprednisolone, vitaminA and methysergide treatment. Kivilaakso E, et al. **Eur Surg Res** 8(4):281–8, 1976

The effect of metiamide, an H2-receptor antagonist, in the prevention of experimental stress ulcers. Safaie-Shirazi S, et al. **Gastroenterology** 71(3):421–5, Sep 76

Proceedings: Is long-term prophylaxis for recurrent gastric ulceration a practical proposition? Green G, et al. **Gut** 16(10):842–3, Oct 75

Inhibition of steroid induced gastric ulcers in forestomachectomized albino rats by phenobarbital. Ahamed RN, et al. **Indian J Physiol Pharmacol** 20(1):17–21, Jan-Mar 76

Attenuation of gastric lesions by psychological aspects of aggression in rats. Weiss JM, et al. **J Comp Physiol Psychol** 90(3):252–9, Mar 76

The prevention of stress ulcers by metiamide, an H2-receptor antagonist. Bodily K, et al. **J Surg Res** 20(3):203–9, Mar 76

The prevention of ulcers in the pylorus-ligated rat by intravenous pluronic F-68. Wahl R, et al. **J Surg Res** 20(1):45–7, Jan 76

Reduction of stomach ulceration by hypothalamic stimulation in the unrestrained rat. Marshall J, et al. **Physiol Behav** 16(4):391–3, Apr 76

Attenuation of salicylate and stress-produced gastric ulceration by metiamide. Brown PA, et al. **Proc West Pharmacol Soc** 18:123–7, 1975

Comparative gastric antisecretory and antiulcer effects of prostaglandin E1 and its methyl ester in animals. Dajani EZ, et al. **Prostaglandins** 10(2):205–15, Aug 75

Influence of the position of the side chain hydroxy group on the gastric antisecretory and antiulcer actions of E1 prostaglandin analogs. Dajani EZ, et al. **Prostaglandins** 10(5):733–45, Nov 75

Heparin prophylaxis in acute gastric mucosal ulceration: an experimental study in rats. Richi A, et al. **Rev Surg** 33(3):219–21, May-Jun 76

Effect of metiamide in prevention of experimental stress ulcers. Foster LD, et al. **Surg Forum** 26:360–1, 1975

Stress ulcer prevention by metyrapone. Stamford W, et al. **Surg Forum** 26:371–3, 1975

Prevention of promethazine-induced gastric ulcers in guinea pigs with disodium cromoglycate. Sadeghi D, et al. **Toxicol Appl Pharmacol** 35(1):179–81, Jan 76

[The ulcer protective and anti-inflammatory effect of Bulgarian rose oil] Maleev A, et al. **Eksp Med Morfol** 11(2):55–60, 1972 (Eng. Abstr.) **(Bul)**

[Study on the protective effect of vitamin A on stress ulcer of the rat (author's transl)] Schumpelick V, et al. **Arzneim Forsch** 26(3):386–8, 1976 (Eng. Abstr.) **(Ger)**

[Animal experiments on the prevention of acute gastric mucosa erosions using vitamin A] Inthorn D, et al. **Langenbecks Arch Chir** Suppl:287–90, 1975 (Eng. Abstr.) **(Ger)**

[Cholestyramine for stress ulcer prophylaxis (author's transl)] Schumpelick V, et al. **Res Exp Med (Berl)** 166(3):235–9, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of different diets on experimental gastric ulcers and the passing of ethanol through the jejunum wall (author's transl)] Lastowski Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:11–6, 1974 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

The definition of radiological signs in gastric ulcer and assessment of their validity by inter-observer variation study. Schulman A, et al. **Clin Radiol** 26(3):311–6, Jul 75

The accuracy of radiological diagnosis of benign, primarily and secondarily malignant gastric ulcers and their correlation with three simplified radiological types. Schulman A, et al. **Clin Radiol** 26(3):317–25, Jul 75

A comparison of the course of the disease among patients with gastric ulcer, duodenal ulcer, and ulcer dyspepsia without ulcer demonstrable by x-ray. Viskum K. **Dan Med Bull** 23(3):129–36, Jun 76 (Eng. Abstr.)

Multiple gastric ulcers: a radiographic sign of benignity? Taxin RN, et al. **Radiology** 114(1):23–7, Jan 75

Nosography of X-ray negative dyspepsia. Möllmann KM, et al. **Scand J Gastroenterol** 11(2):193–7, 1976

[Differential diagnosis of ulcer-carcinoma of the stomach] Čičin-Sain S, et al. **Lijec Vjesn** 97(8):461–5, Aug 75 (Eng. Abstr.) **(Cro)**

[The possibilities of roentgenological discrimination of florid and cured gastric ulcers (author's transl)] Pirk F, et al. **Cesk Radiol** 29(6):385–92, Nov 75 (Eng. Abstr.) **(Cze)**

[A nosographic study of x-ray negative dyspepsia] Bonnevie O, et al. **Ugeskr Laeger** 138(7):408–11, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Letter: Difference between benign and cancerous gastric niches. Therapeutic test with acetazolamide] Puscas I, et al. **Nouv Presse Med** 4(42):3010, 6 Dec 75 **(Fre)**

[Radiological sings of pyloric ulcer in the light of 76 surgically confirmed cases (author's transl)] Kulicz A. **Pol Przegl Radiol** 40(3):189–94, May-Jun 76 (Eng. Abstr.) **(Pol)**

[Possibilities of radiographic recognition of ulcers of the stomach and duodenal bulb] Sal'man MM, et al. **Vestn Rentgenol Radiol** (1):33–7, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[X-ray diagnosis of stomach cancer with multiple ulcerations] Usova NA. **Vestn Rentgenol Radiol** (6):17–21, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Radiological picture of acute multiple gastric ulcer] Antevski D. **God Zb Med Fak Skopje** 20:313–20, 1974 (Eng. Abstr.) **(Ser)**

[Radiological possibilities in differentiation] Antevski D, et al. **God Zb Med Fak Skopje** 21:283–91, 1975 (Eng. Abstr.) **(Ser)**

SURGERY

Billroth I gastric resection versus truncal vagotomy and pyloroplasty in the treatment of gastric ulcer. Madsen P, et al. **Acta Chir Scand** 142(2):151–3, 1976

Parietal cell vagotomy. Localisation of the microscopical antral-fundic boundary in relation to the macroscopical. Poppen B, et al. **Acta Chir Scand** 142(3):251–5, 1976

Jejunal transposition in stomach surgery: indications and results. Lundquist G, et al. **Acta Chir Scand [Suppl]** (457):suppl 457:1–83, 1975

Late precancerous changes and carcinoma of the gastric stump after Billroth I resection. Domellöf L, et al. **Am J Surg** 132(1):26–31, Jul 76

Moderate hemodilution technic in surgical procedures. Blood electrolyte balance in patients undergoing operation for gastric and duodenal ulcer. Orlowski T, et al. **Am J Surg** 130(3):332–7, Sep 75

Operations for gastric ulcer: a review. Stephenson LW, et al. **Am Surg** 42(8):554–61, Aug 76

Endoscopic argon-ion laser phototherapy of bleeding gastric lesions. Yellin AE, et al. **Arch Surg** 111(7):750–5, Jul 76

Recurrence of gastric ulcer after selective vagotomy and pyloroplasty for chronic uncomplicated gastric ulcer: a 5–10 year follow-up. de Miguel J. **Br J Surg** 62(11):875–8, Nov 75

Proceedings: Metabolic studies after Billroth I gastrectomy and highly selective vagotomy for gastric ulcer. Edwards JP, et al. **Gut** 16(10):829, Oct 75

Letter: Surgery for gastric ulcer. Rosenman LD. **Lancet** 1(7959):592, 13 Mar 76

Parietal cell vagotomy. Cumberland VH, et al. **Med J Aust** 2(2):39–42, 12 Jul 75

Truncal, selective and proximal gastric vagotomy without drainage, related to the diameter of the pyloroduodenal canal. Kirk RM. **Proc R Soc Med** 68(3):179–80, Mar 75

The retained gastric antrum. A case report. Dunlap JA Jr, et al. **Radiology** 117(2):371–2, Nov 75

Healing of duodenal and prepyloric ulcers after selective and highly selective vagotomy. Holst-Christensen J, et al. **Scand J Gastroenterol** 10(7):781–3, 1975

Surgical pros and cons. Drainage in operations for gastric ulcer. Frankel LA. **Surg Gynecol Obstet** 141(3):425, Sep 75

An evaluation of segmental gastrectomy for gastric ulcer:

one to ten year follow-up. Sekine T, et al. **Surgery** 78(4):508–14, Oct 75

[Partial gastrectomy for the treatment of gastric and duodenal ulcer] Fu SS, et al. **Chin Med J [Engl]** (6):421–3, 1975 **(Chi)**

[Incidents and complications of gastric vagotomy] Stulhofer M, et al. **Lijec Vjesn** 97(8):457–60, Aug 75 (Eng. Abstr.) **(Cro)**

[Peptic ulcer surgery] Inberg M. **Duodecim** 92(10):536–46, 1976 **(Fin)**

[Péan's operation for gastric ulcer. Remarks apropos of 223 operations] Hollender LF, et al. **Chirurgie** 101(10):762–8, Nov 75 **(Fre)**

[Non-resecting surgery for gastroduodenal ulcer. I. Pathophysiological principles (author's transl)] Bauer H, et al. **Munch Med Wochenschr** 118(24):767–76, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Non-resecting surgery for gastroduodenal ulcer. III. Clinical results (author's transl)] Bauer H, et al. **Munch Med Wochenschr** 118(24):785–92, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Non-resecting surgery for gastroduodenal ulcer. II. Indication and technique (author's transl)] Holle F, et al. **Munch Med Wochenschr** 118(24):777–84, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Csion] Adler E, et al. **Zentralbl Chir** 100(10):598–602, 1975 **(Ger)**

[Perforation of peptic stomach and duodenal ulcers] Blaszczyk N, et al. **Zentralbl Chir** 100(6):369–73, 1975 **(Ger)**

[Single-row suture in stomach surgery] Krause H. **Zentralbl Chir** 101(9):565–7, 1976 **(Ger)**

[Stomach resection in transdiaphragmatic ulcer perforation into the pericardium] Schima E. **Zentralbl Chir** 100(18):1135–7, 1975 **(Ger)**

[The role of vagotomy and gastric resection in the surgical treatment of peptic ulcer] Pálvölgyi L, et al. **Orv Hetil** 116(47):2763–7, 23 Nov 75 **(Hun)**

[Should surgery be performed after successful resuscitation of a patient with preoperative heart arrest?] Pongrácz E, et al. **Orv Hetil** 117(11):665–6, 14 Mar 76 **(Hun)**

[Absorption of vitamin B-12 following partial gastrectomy without pyloric involvement in surgical treatment of stomach ulcer] Dzienis H, et al. **Pol Przegl Chir** 47(12):1541–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Reparative operations following surgical treatment of chronic gastric and duodenal ulcer] Góral R, et al. **Pol Przegl Chir** 47(9):1093–9, Sep 75 (Eng. Abstr.) **(Pol)**

[Selection of surgical methods in the treatment of chronic gastric and duodenal ulcer] Góral R, et al. **Pol Przegl Chir** 47(9):1087–91, Sep 75 (Eng. Abstr.) **(Pol)**

[Selecting of the way of surgical treatment of gastric ulcer and duodenal ulcer with regard to the experience of I Department of General Surgery of Surgical Institute of the Academy of Medicine in Poznań (author's transl)] Drews R, et al. **Przegl Lek** 32(10):744–7, 1975 (Eng. Abstr.) **(Pol)**

[Remarks on modern methods of surgical treatment of duodenal ulcer and gastric ulcer (author's transl)] Góral R, et al. **Przegl Lek** 32(10):741–3, 1975 (Eng. Abstr.) **(Pol)**

[Surgical treatment of chronic stomach ulcer] Gallinger IuI, et al. **Khirurgiia (Mosk)** (6):27–33, Jun 75 (Eng. Abstr.) **(Rus)**

[Coprogram in ulcer disease before and after stomach surgery] Sedasheva IaE. **Lab Delo** (4):246, 1975 **(Rus)**

[Importance of organ-saving operations for prevention of dumping syndrome in patients with ulcer disease] Sibul' UF, et al. **Sov Med** (2):83–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Surgical physiopathology of peptic ulcer of the stomach. Experimental study] Luque Martin A, et al. **Rev Esp Enferm Apar Dig** 46(4):365–76, Oct 75 **(Spa)**

THERAPY

Treatment of uncomplicated gastric ulcer. Davis WD Jr. **Am J Dig Dis** 21(2):190–3, Feb 76 (30 ref.)

Letter: Gastric ulcer--short-term healing and long-term response. Piper DW, et al. **Br Med J** 1(6002):155, 17 Jan 76

The Medical treatment of giant gastric ulcer. Mrazek RG. **Compr Ther** 1(5):41–4, Sep 75

Treatment of antral and duodenal bleeding ulcers by Guevara's catheter. Velasco AG, et al. **Int Surg** 61(6-7):361–2, Jun-Jul 76

[Factors impairing treatment of stomach and duodenal ulcer] Batko B. **Wiad Lek** 29(8):683–7, 15 Apr 76 **(Pol)**

[Characteristics of conservative treatment of stomach ulcer in middle-aged and old persons] Maiorov VM, et al. **Ter Arkh** 47(9):102–8, 1975 (Eng. Abstr.) **(Rus)**

[Our position in the treatment of stomach ulcer] Davdev P, et al. **God Zb Med Fak Skopje** 20:249–55, 1974 (Eng. Abstr.) **(Ser)**

[Our approach to the medical treatment of gastric ulcer] Satler J, et al. **Srp Arh Celok Lek** 103(9):779–86, Sep 75 (Eng. Abstr.) **(Ser)**

VETERINARY

Fetal abomasal ulcers in yearling feedlot cattle. Jensen R, et al. **J Am Vet Med Assoc** 169(5):524–6, 1Sep 76

[Stomach ulcers in swine] Hänichen T. **Tieraerztl Prax** 3(2):191–7, 1975 **(Ger)**

[Peptic ulcer of the stomach in swine on production farm complexes] Naletov NA, et al. **Veterinariia** (9):97–9, Sep 75 **(Rus)**

[Ulcerous diseases of the stomach in swine] Shubin VA, et al. **Veterinariia** (12):97–9, Dec 75 **(Rus)**

STOMACH VOLVULUS

[Stomach volvulus (review of the literature)] Ponomarev AA, et al. **Khirurgiia (Mosk)** (6):126–30, Jun 75 (113 ref.) **(Rus)**

COMPLICATIONS

[Stomach perforation in volvulus] Leporskiĭ VN, et al. **Khirurgiia (Mosk)** (6):123–4, Jun 75 **(Rus)**

[Association of Prinzmetal's angina with total gastric volvulus] Martí García JL, et al. **Rev Clin Esp** 138(2):175–8, 31 Jul 75 **(Spa)**

DIAGNOSIS

Acute pyloric obstruction by gallstone; report of a case diagnosed by gastroscopy. Grove O. **Gastrointest Endosc** 22(4):212–3, May 76

[On differential diagnosis of diaphragmatic relaxation and of intrathoracic volvulus of the stomach (author's transl)] Baars HG, et al. **Radiol Diagn (Berl)** 16(2):187–96, 1975 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Gastric volvulus and absence of the left lobe of the liver] Manigand G, et al. **Sem Hop Paris** 51(44):2679–83, 9 Nov 75 **(Fre)**

RADIOGRAPHY

Plain film findings of gastric volvulus herniating into the chest. Menuck L. **Am J Roentgenol** 126(6):1169–74, Jun 76

Antral infracolic volvulus of the stomach. Myerson DA, et al. **J Can Assoc Radiol** 26(2):128–31, Jun 75

Paraesophageal hernia and gastric volvulus. Chessick KC, et al. **J Fla Med Assoc** 62(9):30–4, Sep 75

VETERINARY

Recurring gastric volvulus in a dog. Betts CW, et al. **J Small Anim Pract** 16(7):433–8, Jul 75

Operative techniques and recurrence rates associated with gastric volvulus in the dog. Wingfield WE, et al. **J Small Anim Pract** 16(7):427–32, Jul 75

[Gastric torsion in a guinea pig(author's transl)] Willemse A. **Tijdschr Diergeneeskd** 100(15):840–1, 1 Aug 75 (Eng. Abstr.) **(Dut)**

STOMATITIS

Tissue sensitivity to acrylic resin. A method of measuring the residual monomer content and its clinical application. McCabe JF, et al. **Br Dent J** 140(10):347–50, 18 May 76

CHEMICALLY INDUCED

Allergic contact dermatitis and stomatitis caused by a cinnamic aldehyde-flavored toothpaste. Drake TE, et al. **Arch Dermatol** 112(2):202–3, Feb 76

Letter: Oral irritation with gentian violet. Horsfield P, et al. **Br Med J** 2(6034):528, 28 Aug 76

Allergic stomatitis caused by self-polymerizing resin. Giunta J, et al. **Oral Surg** 41(5):631–7, May 76

Initiation and aggravation of denture stomatitis by sucrose rinses. Olsen I, et al. **Scand J Dent Res** 84(2):94–7, Mar 76

COMPLICATIONS

[Recurring cheilitis, stomatitis and glossitis in Felty's syndrome] Bork K. **Med Welt** 27(8):377–8, 20 Feb 76 **(Ger)**

DIAGNOSIS

Three year follow-up of toluidine blue positive and negative hard palate ulcer in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 12(2):113–7, Jun 1975

Three year follow up study of toluidine blue positive and negative hard palate ulcers in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 12(2):113–7, Jun 75

Evaluation of a dehydrated test strip,Microstix -Candida for detection of Candida-induced denture stomatitis. Budtz-Jörgensen E. **Scand J Dent Res** 84(4):229–33, Jul 76

[The patient's intolerance of dentures from the internal medicine veiwpoint] Zumkley H. **Dtsch Zahnaerztl Z** 31(1):8–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Differential diagnosis and cytopathology of gingivitis and stomatitis] Lange DE. **Zahnaerztl Mitt** 65(13):624–32, 1 Jul 75 **(Ger)**

DRUG THERAPY

Denture stomatitis. Relapse tendency and removal of acquired discolourations in long-term denture disinfection with chlorhexidine. Olsen I. **Acta Odontol Scand** 33(2):111–4, 1975

Denture stomatitis. The clinical effects of chlorhexidine and amphotericin B. Olsen I. **Acta Odontol Scand** 33(1):47–52, 1975

Denture stomatitis. Effects of chlorhexidine and amphotericin B on the mycotic flora. Olsen I. **Acta Odontol Scand** 33(1):41–6, 1975

[Clinical trial in odontostomatology of a combination of paracetamol and ascorbic acid in effervescent form] Mathieu L. **Rev Odontostomatol (Paris)** 3(2):169–76, Mar-Apr 74 **(Fre)**

[Treatment of diseases of the mouth mucosa with Gingivitol] Singer F. **Z Allgemeinmed** 51(21):950–2, 31 Jul 75 **(Ger)**

[Use of prodigiosan and lysozyme in the complex therapy of acute herpetic stomatitis in children] Drobotko LM, et al. **Stomatologiia (Mosk)** 54(5):62–4, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Use of chelepin for local treatment of viral infections of the oral mucosa] Roshchina PI, et al. **Stomatologiia (Mosk)** 55(1):100–1, Jan-Feb 76 **(Rus)**

ENZYMOLOGY

[Enzymes of mixed saliva and of the oral mucosa in acrylic stomatitis] Zhnivin IuE, et al. **Stomatologiia (Mosk)** 54(6):30–4, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Gingivostomatitis syndrome: current etiologic considerations and report of two cases. Greer RO Jr, et al. **Ann Dent** 34(2):24–8, Summer 75

The incidence of inflammatory papillary hyperplasia. Tucker KM, et al. **J Am Dent Assoc** 93(3):610–3, Sep 76

Damage caused by a partial denture: a case report. Jagger RG. **J Dent** 3(4):175–6, Jul 75

Uremic stomatitis: report of a case. Larato DC. **J Periodontol** 46(12):731–3, Dec 75

Neurotrophic ulcer of the oral mucous membrane--a complication of surgical treatment for trigeminal neuralgia. Eggleston DJ. **NZ Dent J** 71(325):146–7, Jul 75

Letter: Denture-related candidiasis. Cahn LR. **Oral Surg** 41(1):59–60, Jan 76

Felty's syndrome. Freeman NS, et al. **Oral Surg** 40(3):409–13, Sep 75

[Clinical and cytomorphological aspects of prosthetic stomatopathies] Ciubotaru S, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):289–92, Apr-Jun 75 (Eng. Abstr.) **(Fre)**

[The condition of the mucosa underneath complete upper dentures dependent on the shape of the dorsal rim] Horn R, et al. **ZWR** 84(18):811–7, 25 Sep 75 **(Ger)**

METABOLISM

Assessment of denture plaque pH in subjects with and without denture stomatitis. Olsen I, et al. **Scand J Dent Res** 83(6):370–4, Nov 75

[pH changes underneath complete maxillary dentures] Zgraggen U, et al. **Schweiz Monatsschr Zahnheilkd** 85(8):797–812, Aug 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Ultrastructure of mouse periventricular and choroid plexus tissues in experimental vesicular stomatitis virus infection. Grodums EI. **Arch Virol** 51(1-2):75–85, 1976

[Clinicomorphological parallels in children with acute herpetic stomatitis] Vinogradova TF, et al. **Stomatologiia (Mosk)** 54(4):59–63, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Clinical evaluation of an hygiene program for patients with denture stomatitis] Hedegard B. **Dtsch Zahnaerztl Z** 31(2):156–8, Feb 76 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of simple hygienic measures for wearers of dental prostheses in a nursing home] Landt H. **Dtsch Zahnaerztl Z** 31(2):153–5, Feb 76 (Eng. Abstr.) **(Ger)**

THERAPY

Soft lining to relieve soreness beneath dentures. Mäkilä E. **J Oral Rehabil** 3(2):145–50, Apr 76

[Glycerol-gelatin strips as a dosage form for the application to the mouth mucosa] Werchan D. **Dermatol Monatsschr** 161(11):930–5, Nov 75 (Eng. Abstr.) **(Ger)**

[Current problems of Polish periodontics. Balneo-and hydrotherapy in the treatment of diseases of the peridontium and oral mucosa] Mlochowski J, et al. **Czas Stomatol** 29(4):353–7, Apr 76 **(Pol)**

VETERINARY

Necrotic stomatitis in a dolphin. Colgrove GS, et al. **J Wildl Dis** 11(4):460–4, Oct 75

Ultrastructural changes in bovine lingual epithelium infected with vesicular stomatitis virus. Proctor SJ, et al. **Vet Pathol** 12(5-6):362–77, 1975

Stomatitis in the Greek tortoise (Testudo graeca). Holt PE, et al. **Vet Rec** 98(8):156, 21 Feb 76

[Bovine papular stomatitis] Dunant P, et al. **Schweiz Arch Tierheilkd** 117(9):503–15, Sep 75 (Eng. Abstr.) **(Fre)**

STOMATITIS, APHTHOUS

[Treatment of aphthae] Brocheriou C, et al.

Actual Odontostomatol (Paris) (112):537–51, Dec 75 (Eng. Abstr.) **(Fre)**
[Recurrent aphtae of the buccal mucosa (author's transl)] Biedowa J. **Przegl Lek** 33(4):459–63, 1976 **(Pol)**

CHEMICALLY INDUCED

Neurotrophic ulcer of the palatal mucosa. Case report. Oikarinen VJ, et al. **Proc Finn Dent Soc** 72(1):23–6, Feb 76

DRUG THERAPY

[Letter: Treatment of aphthous stomatitis] Nasemann T. **Med Klin** 70(41):1664, 10 Oct 75 **(Ger)**
[Comparative study of the efficacy of various treatment methods for acute aphthous stomatitis in children] Sinitsyn RG, et al. **Stomatologiia (Mosk)** 55(1):63–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Use of lysozyme in the treatment of chronic relapsing aphthous stomatitis] Tsepeleva AS. **Stomatologiia (Mosk)** 54(6):15–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Recurrent aphthae a manifestation of immunodeficiency] Strejček J, et al. **Cesk Stomatol** 75(5):355–7, Sep 75 (Eng. Abstr.) **(Cze)**
[Steel prosthesis and aphthous stomatitis] Benterud UJ. **Nor Tannlaegeforen Tid** 86(5):221–2, May 76 **(Nor)**
[A case of cachectic aphthae] Obrębowski A, et al. **Otolaryngol Pol** 30(1):93–6, 1976 **(Pol)**
[Stomatitis in a child with eosinophilic collagenosis] Androshchenko VG, et al. **Stomatologiia (Mosk)** 55(2):91–2, Mar–Apr 76 **(Rus)**

IMMUNOLOGY

Comparison of cellular and humoral immunity against streptococcal and adult human oral mucosa antigens in relation to exacerbation or recurrent aphthous stomatitis. Donatsky O. **Acta Pathol Microbiol Scand [C]** 84(4):270–82, Aug 76
Immunoserological study on intractable oral cavity ulcer. Fukunaga T, et al. **Kumamoto Med J** 28(2):100–4, 30 Jun 75

METABOLISM

[General factors in the pathogenesis of parodontosis and chronic recurring aphthous stomatitis] Rybakov AI, et al. **Zahn Mund Kieferheilkd** 63(5):435–41, 1975 (Eng. Abstr.) **(Ger)**
[Metabolic reaction in patients with chronic relapsing aphthous stomatitis during their treatment with prodigiosan] Rybakov AI, et al. **Stomatologiia (Mosk)** 54(5):8–12, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Etiologic therapy of virus stomatitis] Mel'nichenko EM. **Stomatologiia (Mosk)** 55(2):78–81, Mar–Apr 76 (43 ref.) **(Rus)**

OCCURRENCE

Prevalence of recurrent herpes labialis and aphthous ulcers among young adults on six continents. Embil JA, et al. **Can Med Assoc J** 113(7):627–30, 4 Oct 75
Recurrent aphthous ulcerations in a mixed Arab community. Fahmy MS. **Community Dent Oral Epidemiol** 4(4):160–4, Jul 76

PATHOLOGY

Anitschkow nuclear changes observed in oral smears. Wood TA Jr, et al. **Acta Cytol (Baltimore)** 19(5):434–7, Sep–Oct 75
Jejunal mucosal abnormalities in patients with recurrent aphthous ulceration. Ferguson R, et al. **Br Med J** 1(6000):11–13, 3 Jan 76
Electron microscopic study on the pathogenesis of recurrent aphthous ulceration as compared to Behçet's syndrome. Honma T. **Oral Surg** 41(3):366–77, Mar 76
[Vesicle forming diseases of the mouth] Greither A. **Zahnaerztl Mitt** 66(1):22–6, 1 Jan 76 **(Ger)**

PREVENTION & CONTROL

[Etiology and prevention of recurring aphthous stomatitis] Sallay K, et al. **Dtsch Zahnaerztl Z** 30(9):570–5, Sep 75 (Eng. Abstr.) **(Ger)**

TRANSMISSION

The pathogenesis of vesicular stomatitis virus, serotype Indiana, in Aedes aegypti mosquitoes. I. Intrathoracic injection. Liu IK, et al. **Am J Trop Med Hyg** 25(1):177–85, Jan 76

STOMATITIS, DENTURE see under **STOMATITIS**

STOMATITIS, GANGRENOUS see **NOMA**

STOMATITIS, ULCERATIVE see **GINGIVITIS, NECROTIZING ULCERATIVE**

STRABISMUS

see related

ORTHOPTICS

The diagnosis and treatment of abduction deficiencies. Metz HS. **Ann Ophthalmol** 8(6):683–93, Jun 76
Squint. Harcourt B. **Br Med J** 1(6011):703–5, 20 Mar 76
Experimentally induced variations in the dark adaptation functions of a severe strabismic amblyope. Bedell HE, et al. **Doc Ophthalmol** 41(1):129–56, 28 Apr 76
Incomitant deviations in dissociated vertical divergence. pp. 345–51. Bailey HJ, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Monofixation exotropia and asthenopia. pp. 173–7. Boyd TA, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Penalisation and prism. New results obtained with the method of treating squint amblyopia with eccentric fixation. pp. 99–103. Brack B.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Retinal correspondence in intermittent exotropia. pp. 547–9. Forrer HT.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
The management and binocular achievement of mentally handicapped children with squint. pp. 293–8. Kennerley Bankes JL, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Lessons learned from microtropia. pp. 183–90. Lang J.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
The confrontation of cases of strabismus with small angles of deviation. pp. 179–81. Polychroniadis S, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
The superior oblique tendon sheath syndrome. Differential diagnosis of deficient elevation in adduction. pp. 463–85. Scott AB.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Letter: Predominant left pseudoesotropia. Beauregard WG. **J Pediatr** 89(1):157–8, Jul 76
Aspects of strabismus in children. Taylor D. **Nurs Times** 72(16):610–2, 22 Apr 76
Strabismus. Santos GP. **Sight Sav Rev** 45(2):51–7, Summer 75
[Various psychological characteristics of children with strabismus in the pre-school age] Medková L, et al. **Cesk Oftalmol** 32(1):30–3, Jan 76 (Eng. Abstr.) **(Cze)**
[Health and social significance of strabismus and amblyopia in childhood] Zorin V, et al. **Cesk Zdrav** 24(1):32–6, Jan 76 (Eng. Abstr.) **(Cze)**
['Concomitant' strabismus in children, (I)] Fontaine M, et al. **Arch Ophtalmol (Paris)** 35(3):291–300, Mar 75 **(Fre)**
['Concomitant' strabismus in children] Fontaine M, et al. **Arch Ophtalmol (Paris)** 35(6–7):569–74, Jun–Jul 75 **(Fre)**
[Permanent conjugated upward ocular deviations] Larmande A, et al. **Bull Mem Soc Fr Ophtalmol** (87):313–7, 1976 **(Fre)**
[Strabismus, vision disorders and high degree of visual disability in children] Keller HH. **Ophthalmologica** 172(2–3):186–7, 1976 **(Ger)**
[Eye position of squinting eyes during general anesthesia (author's transl)] Omi E, et al. **Acta Soc Ophthalmol Jpn** 79(6):540–6, 10 Jun 75 (Eng. Abstr.) **(Jpn)**
[Microstrabismus] Păcurariu I, et al. **Rev Chir [Oftalmol]** 19(2):81–8, Apr–Jun 75 **(Rum)**
[Mental disorders as a causal factor in strabismus; strabismus as a cause of mental disorders] Sebesi KP. **Rev Chir [Oftalmol]** 19(2):117–20, Apr–Jun 75 (Eng. Abstr.) **(Rum)**
[Intermittent strabismus in children] Pil'man NI, et al. **Oftalmol Zh** 30(7):507–9, 1975 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Classification of nonparetic vertical strabismus related to vertical rectus surgery (author's transl)] Conrad HG, et al. **Klin Monatsbl Augenheilkd** 166(6):775–80, Jun 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Letter: Van Dongen's 'Old Clown'. Bullock JD. **Am J Ophthalmol** 81(3):367, Mar 76
Exophoria at near in presbyopia. Sheedy JE, et al. **Am J Optom Physiol Opt** 52(7):474–81, Jul 75
Strabismus and learning disabilities. Cassin B. **Am Orthopt J** 25:38–45, 1975
Symposium: Strabismus plus: associated neuro-ophthalmologic genetic, craniofacial disorders and treatment. Introduction. Flynn JT. **Am Orthopt J** 25:9–10, 1975
Letter: Binocular fixation pattern. Romano PE. **Arch Ophthalmol** 94(9):1632, Sep 76
Properties of LGN cells in kittens reared with convergent squint: a neurophysiological demonstration of amblyopia. Ikeda H, et al. **Exp Brain Res** 25(1):63–77, 10 May 76
Studies of suppression in alternating constant exotropia and intermittent exotropia. With reference to effects of fusional background. pp. 531–46. Awaya S, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
The association of 'A' pattern strabismus with hydrocephalus. pp. 287–92. France TD.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Diagnosis of convergent strabismus with nystagmus and its treatment with Cüppers' Faden operation. pp. 143–54. Mühlendyck H.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
A five-year study of patients with cerebral palsy and strabismus. pp. 271–7. Seaber JH, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Vicious circle 'deviation-diplopia'. pp. 209–12. Weiss JB, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Visual inhibitions of automobile driving. Renik O. **Int J Psychoanal Psychother** 4:459–75, 1975
[Health and social significance of strabismus and amblyopia in childhood] Zorin V, et al. **Cesk Zdrav** 24(1):32–6, Jan 76 (Eng. Abstr.) **(Cze)**
[Results of treatment of strabismic amblyopia with occlusion and penalization] Berard MP, et al. **Bull Soc Ophtalmol Fr** 74(9–10):959–65, Sep–Oct 74 **(Fre)**
[Congenital hip dysplasia and strabismus] Dogonadse M, et al. **Beitr Orthop Traumatol** 22(11):637–41, Nov 75 **(Ger)**
[Ocular torticollis in concomitant squint. A study from general practice] Bastian A. **Klin Monatsbl Augenheilkd** 165(6):921–5, Dec 74 (Eng. Abstr.) **(Ger)**
[Evaluation of refraction errors in squinting children] Buchta-Demelowa B. **Klin Oczna** 46(7):845–7, Jul 76 (Eng. Abstr.) **(Pol)**
[Mental disorders as a causal factor in strabismus; strabismus as a cause of mental disorders] Sebesi KP. **Rev Chir [Oftalmol]** 19(2):117–20, Apr–Jun 75 (Eng. Abstr.) **(Rum)**
[Functional and structural changes of the macula lutea as a cause of vision disorder in strabismus] Averbukh SL, et al. **Oftalmol Zh** 30(3):225–8, 1975 **(Rus)**

CONGENITAL

Retinal correspondence in congenital esotropia. pp. 353–7. Fischer N, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
[Congenital strabismus] Sandovici EM. **Rev Chir [Oftalmol]** 20(2):81–4, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

The nystagmus compensation (blockage) syndrome. von Noorden GK. **Am J Ophthalmol** 82(2):283–90, Aug 76
Strabismic sensory evaluation using a stereoprojector in polarized light. Fleming AW, et al. **Am Orthopt J** 25:72–5, 1975
The value of diagnostic occlusion for intermittent exotropia. Niederecker O, et al. **Am Orthopt J** 25:90–1, 1975
Blindspot syndrome vs blindspot mechanism. Prizner S. **Am Orthopt J** 25:76–8, 1975
Bias of the cover test in the diagnosis of alternating tropia. McKean HE, et al. **Ann Ophthalmol** 8(4):435–7, Apr 76
Binocular fixation pattern. Zipf RF. **Arch Ophthalmol** 94(3):401–5, Mar 76
Use of random-dot sterograms in the clinical assessment of strabismic patients. Frisby JP, et al. **Br J Ophthalmol** 59(10):545–52, Oct 75
Letter: Squints. **Br Med J** 1(6015):962, 17 Apr 76
Binocular visual field in strabismus. Pratt-Johnson JA, et al. **Can J Ophthalmol** 11(1):37–41, Jan 76
Use of velocity and acceleration measurements in the evaluation of strabismus patients. pp. 113–21. Fricker SJ.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Stereoacuity in microtropia. pp. 25–9. Hill M, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Stereopsis and orthoptics: past, present and future. pp. 1–10. Reinecke RD, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Force and velocity tests in strabismus. Scott AB. **Trans Am Acad Ophthalmol Otolaryngol** 79(5):727–32, Sep–Oct 75
[Hertwig-Magendie phenomenon (skew-deviation) in paroxysmal intermittent hemiparesis] Otradovec J, et al. **Cesk Oftalmol** 32(2):102–8, Mar 76 (Eng. Abstr.) **(Cze)**
[Squinting child] Klima M, et al. **Cesk Pediatr** 30(7–8):358–60, Aug 75 **(Cze)**
['Concomitant' strabismus in children] Fontaine M, et al. **Arch Ophtalmol (Paris)** 35(4):369–96, Apr 75 **(Fre)**
[A new prognostic element in the clinical examination of strabismus] Pigassou-Albouy R, et al. **Bull Soc Ophtalmol Fr** 75(5–6):631–42, May–Jun 75 **(Fre)**
[Disappearance of certain A and V syndromes during Alajouanine's maneuver] Spielmann A. **Bull Soc Ophtalmol Fr** 75(7–8):783–94, Jul–Aug 75 **(Fre)**

[Behavior of children with strabismus in geometric-optical illusions (Müller-Lyer figure)] Kraus E, et al. **Ber Dtsch Ophthalmol Ges** (73):663–6, 1975 **(Ger)**

[Experiences in the measurements of correspondence using dark red glass and according to image after Cüppers (author's transl)] Haase W. **Klin Monatsbl Augenheilkd** 167(2):210–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Preoperative prismatic correction in heterophoria (author's transl)] Krause G. **Klin Monatsbl Augenheilkd** 165(5):732–9, Nov 74 (Eng. Abstr.) **(Ger)**

[The hit test as a method of studying stereoscopic vision] Lang J. **Klin Monatsbl Augenheilkd** 165(6):895–7, Dec 74 (Eng. Abstr.) **(Ger)**

[Hertwig-Magendy squint or paresis of vertical motility] Schellenbeck R. **Klin Monatsbl Augenheilkd** 165(6):926–8, Dec 74 (Eng. Abstr.) **(Ger)**

[Alternate day squint (author's transl)] Schmidt D, et al. **Klin Monatsbl Augenheilkd** 167(6):835–40, Dec 75 (Eng. Abstr.) **(Ger)**

[Results of ophthalmologic studies in all nursery schools of an agrarian region] Kühn A. **Z Aerztl Fortbild (Jena)** 69(5):255, 1 Mar 75 **(Ger)**

[Results of an ophthalmological serial study in 626 2 year old children] Wild H, et al. **Z Aerztl Fortbild (Jena)** 69(5):252–4, 1 Mar 75 **(Ger)**

[Binocular vision examination in cases of small-angle squint] Gotzowa R. **Klin Oczna** 46(7):831–4, Jul 76 (Eng. Abstr.) **(Pol)**

[Value of nystagmography in motor disorders of the extraocular muscles] Palacz O, et al. **Klin Oczna** 46(7):731–6, Jul 76 (Eng. Abstr.) **(Pol)**

[Acute squint] Stefaniak E. **Klin Oczna** 46(7):799–801, Jul 76 (Eng. Abstr.) **(Pol)**

[Adjuvant role of electromyography in non-concomitant squint] Wójtowicz S. **Klin Oczna** 46(7):717–24, Jul 76 **(Pol)**

DRUG THERAPY

[Ocular migraine, asthenopia, strabismus, myopia] Fechner PU. **Buech Augenarzt** 67(0):133–5, 1976 **(Ger)**

[Practical method of squint treatment] Witusik W. **Klin Oczna** 45(8):939–45, Aug 75 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Hypophyseal adenoma- a case report. Schneider B. **Am J Optom Physiol Opt** 52(6):419–21, Jun 75

Strabismus in hydrocephalus. France TD. **Am Orthopt J** 25:101–5, 1975

Missed diagnoses in pediatric neuro-ophthalmology. Glaser JS. **Am Orthopt J** 25:18–26, 1975

Strabismus associated with craniofacial anomalies. Miller M, et al. **Am Orthopt J** 25:27–37, 1975

Motility dysfunction following surgery for retinal detachment. Roth AM, et al. **Am Orthopt J** 25:118–21, 1975

Cyclic esotropia developing after sttstrabismus surgery. Muchnick RS, et al. **Arch Ophthalmol** 94(3):459–60, Mar 76

Superior oblique tendon sheath syndrome. Sandford-Smith JH. **Br J Ophthalmol** 59(7):385–6, Jul 75

Letter: Craniopharyngiomas. Kennedy HB, et al. **Br Med J** 2(6030):302, 31 Jul 76

Role of refractive anomalies among squint patients seen at 'Giza clinic of squint' from the year 1960 –1970. Zaki HA. **Bull Ophthalmol Soc Egypt** 68:463–5, 1975

Fixation disparity and the origin of microstrabismus. pp. 155–65. de Decker W, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Observations of ocular dominance in the binocular vision of children. pp. 311–5. Raynar-Smith V.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Ocular motility problems in cranio-facial dysostosis. pp. 299–310. Walker J, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

A quantitative analysis of extraocular muscle cooperation and squint. Robinson DA. **Invest Ophthalmol** 14(11):801–25, Nov 75

[Importance of hypermetropia in the etiology of squint] Doležalová V. **Cesk Oftalmol** 32(3):199–203, Jun 76 (Eng. Abstr.) **(Cze)**

[Strabismus in Basedow's disease] Massin M, et al. **Bull Mem Soc Fr Ophtalmol** (87):305–9, 1976 **(Fre)**

[Convergent strabismus and malignant myopia. Anatomo-clinical correlations and discussions of the etiology of a case] Bronner A, et al. **Bull Soc Ophtalmol Fr** 75(7–8):375–81, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[The polemics on strabogenesis between A. v. Graefe and F. C. Donders (author's transl)] Kettesy A. **Klin Monatsbl Augenheilkd** 167(6):785–91, Dec 75 (Eng. Abstr.) **(Ger)**

[The paralytic dyssynergies--the squint dyssynergies, and Cüppers' syndrome (author's transl)] Quéré MA, et al. **Klin Monatsbl Augenheilkd** 167(2):162–78, Aug 75 (Eng. Abstr.) **(Ger)**

[Converging squint in severe hypermetropia (author's transl)] Stangler-Zuschrott E. **Klin Monatsbl Augenheilkd** 167(3):469–75, Sep 75 (Eng. Abstr.) **(Ger)**

[Facts for the muscle-reflex-hypothesis of squint. (The importance of asymmetry in the structure of the eyes for the pathogenesis of concomitant squint) (author's transl)] Vodovozov AM. **Klin Monatsbl Augenheilkd** 168(05):655–60, May 76 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Familial dextrocardia, divergent strabismus and situs inversus of optic disc. Fishman JE, et al. **Am J Med Sci** 271(2):225–31, Mar-Apr 76

The heritability of strabismus. Cross HE. **Am Orthopt J** 25:11–7, 1975

Voluntary unilateral convergent strabismus. Bumpass ER, et al. **Ann Ophthalmol** 7(11):1459–61, Nov 75

Genetic analysis of cover test measures and AC/A ratio in human populations with varying incidences of strabismus. Mash AJ, et al. **Br J Ophthalmol** 59(7):380–4, Jul 75

Dominantly inherited ptosis, strabismus and ectopic pupils. McPherson E, et al. **Clin Genet** 10(1):21–6, Jul 76

OCCURRENCE

Incidence of the various types of squint 1000 cases examined in the squint clinic Kasr El Aini Hospital. Abbas S, et al. **Bull Ophthalmol Soc Egypt** 67:311–4, 1974

Types of strabismus occurring among Indians and Eskimos of the Northwest Territories. pp. 373–82. Cass EE.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Neonatal at risk factors, visual defects and the preschool child: A report from the Queen Mary Hospital multidisciplinary child development study. Ellingham TR, et al. **NZ Med J** 83(557):74–7, 11 Feb 76

PATHOLOGY

Extraocular muscles: light microscopy and ultrastructural features. Martinez AJ, et al. **Acta Neuropathol (Berl)** 34(3):237–53, 30 Mar 76

Histology of the monkey lateral geniculate nucleus after unilateral lid closure and experimental strabismus: further observations. von Noorden GK, et al. **Invest Ophthalmol** 14(9):674–83, Sep 75

PHYSIOPATHOLOGY

Patterned and unpatterned visual evoked responses in strabismic and anisometropic amblyopia. Levi DM. **Am J Optom Physiol Opt** 52(7):455–64, Jul 75

Contour interaction and temporal masking in strabismus and amblyopia. Schor C, et al. **Am J Optom Physiol Opt** 53(5):217–23, May 76

Some clinical aspects concerning microtropia. Palimeris G, et al. **Ann Ophthalmol** 7(10):1343–8, Oct 75

Superior oblique tendon sheath syndrome. Sandford-Smith JH. **Br J Ophthalmol** 59(7):385–6, Jul 75

Sensorio-motorial anomalies in strabismus: (anomalous movements). Bagolini. **Doc Ophthalmol** 41(1):23–41, 28 Apr 76

Sensorial anomalies in strabismus. (suppression, anomalous correspondence, amblyopia). Bagolini B. **Doc Ophthalmol** 41(1):1–22, 28 Apr 76

Eye position of strabismus patients under general anesthesia. pp. 417–22. Apt L, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Abnormal pursuit movements of the fellow eye in amblyopia with strabismus. pp. 75–99. Fukai S, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Neurophysiological basis of squint amblyopia. Spatial resolution of neurones in the lateral geniculate nucleus of kittens reared with convergent squint in one eye. pp. 31–6. Ikeda H, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Motor fusion in small-angle esotropia. pp. 167–72. Noordenbos AM, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Methods and results of quantitative determination of accommodation in amblyopia and strabismus. pp. 45–58. Otto J, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

An apparatus for measuring forces in strabismus. pp. 123–8. Strachan IM, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Pupillographic responses in patients with untreated strabismic amblyopia. Further investigations of the mechanism of amblyopia disturbance. pp. 69–73. Trimarchi F, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Behavioural and electrophysiological analysis of strabismus in cats. pp. 27–44. Buchtel HA, et al.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

On the site of strabismic suppression. Blake R, et al. **Invest Ophthalmol** 15(8):660–3, Aug 76

Electrophysiologic evidence for normal optic nerve fiber projections in normally pigmented squinters. McCormack GL. **Invest Ophthalmol** 14(12):931–5, Dec 75 (10 ref.)

Genetic analysis of indices of corneal power and corneal astigmatism in human populations with varying incidences of strabismus. Mash AJ, et al. **Invest Ophthalmol** 14(11):826–32, Nov 75

A directional impairment of eye movement control in strabismus amblyopia. Schor C. **Invest Ophthalmol** 14(9):692–7, Sep 75

Proceedings: Amblyopic cells in the lateral geniculate nucleus in kittens raised with surgically produced squint. Ikeda H, et al. **J Physiol (Lond)** 256(1):41P–42P, Mar 76

On interocular transfer of the movement aftereffect in indivuals with and without normal binocular vision. Wade NJ. **Perception** 5(1):113–8, 1976

Binocular interaction in strabismic kittens deprived of Vision. Maffei L, et al. **Science** 191(4227):579–80, 13 Feb 76

New apparatus for measuring forces in strabismus. Strachan IM, et al. **Trans Ophthalmol Soc UK** 95(1):85–7, Apr 75

The ocular dominance of cortical neurons in cats developed with divergent and convergent squint. Yinon U, et al. **Vision Res** 15(11):1251–6, Nov 75

[Balance between the functions of localization and observation] Berrondo MP. **Bull Soc Ophtalmol Fr** 74(9–10):981–95, Sep–Oct 74 **(Fre)**

[The problem of crossed eye-hand dominance (author's transl)] Niederlandová Z. **Klin Monatsbl Augenheilkd** 166(6):803–10, Jun 75 **(Ger)**

[Electromyographic examinations in exo-deviations (author's transl)] Seiwerth-Ferić F, et al. **Klin Monatsbl Augenheilkd** 166(6):810–7, Jun 75 (Eng. Abstr.) **(Ger)**

['Visual evoked response' in strabismus amblyopia] Bornstein Y. **Ophthalmologica** 172(2–3):188–93, 1976 **(Ger)**

[Objective accomodation measurements in patients with periodical central scotoma (strabismus alternans and decompensated heterophoria)] Safra D, et al. **Ophthalmologica** 172(2–3):184–5, 1976 **(Ger)**

[Studies on suppression scotomas in intermittent exotropia both in the dark (without fusional background) and under conditions of near normalcy (with fusional background) by using the Aulhorn phase difference haploscope (author's transl)] Nozaki H. **Acta Soc Ophthalmol Jpn** 79(10):1442–51, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Space localization in cases of disorders of ocular motility in the horizontal plane] Baranowska-George T, et al. **Klin Oczna** 46(7):749–54, Jul 76 (Eng. Abstr.) **(Pol)**

[State of external ocular muscles in strabismus of different duration] Pen'kov MA, et al. **Oftalmol Zh** 30(3):207–11, 1975 (Eng. Abstr.) **(Rus)**

SURGERY

Mangement of infantile esotropia. Foster RS, et al. **Am J Ophthalmol** 82(2):291–9, Aug 76

Synthetic absorbable suture for strabismus surgery. Helveston EM, et al. **Am J Ophthalmol** 82(2):300–2, Aug 76

Brief hospital admissions for pediatric strabismus surgery. Weinstock SM, et al. **Am J Ophthalmol** 80(3 Pt 2):525–9, Sep 75

Indications for weakening the inferior oblique muscle. Folk ER. **Am Orthopt J** 25:131–4, 1975

Surgical treatment of exotropia. Mumma JV. **Am Orthopt J** 25:96–100, 1975

The management of overcorrections in exotropia. Tabor GL. **Am Orthopt J** 25:92–5, 1975

Cardiac arrest during ophthalmological operations. Galkowska I, et al. **Anaesth Resusc Intensive Ther** 3(2):197–200, Apr–Jun 75

Ketamine and the oculocardiac reflex. Dysrhythmia in pediatric strabismus surgery: the role of intravenous atropine. Apivor D, et al. **Anaesthesia** 31(1):18–22, Jan–Feb 76

Tendon-lengthening in squint surgery. Hollwich F. **Ann Ophthalmol** 8(6):721–6, Jun 76

Strabismus. Helveston EM. **Arch Ophthalmol** 93(11):1205–21, Nov 75 (130 ref.)

Unilateral medial rectus recession for small-angle esotropia. Pollard ZF, et al. **Arch Ophthalmol** 94(5):780–1, May 76

Corneal dellen in the limbal approach to rectus muscle surgery. Tessler HH, et al. **Br J Ophthalmol** 59(7):377–9, Jul 75

Some aspects of surgery of vertical squint. El-Difrawi H. **Bull Ophthalmol Soc Egypt** 67:325–43, 1974

An assessment of the role of secondary and consecutive factors in overcorrected esotropia. pp. 515–22. Brown RM, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The assessment and treatment of the residual deviation. pp. 487–91. Calcutt CL, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The sensorial evolution of overcorrected esotropias. pp. 501–6. Ciancia AO, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The use of the operating microscope in squint surgery. pp. 423–6. Eustace P, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Esotropia: the second operation. pp. 443–8. Gillies WE.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Four-muscle surgery in 'V' esotropia with long-term orthoptic follow-up. pp. 427–40. Gobin MH, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Anchoring sutures in the management of complicated strabismus. pp. 453–62. Hermann JS.
In: Moore S, et al., ed. Orthoptics: past, present, future.

New York, Stratton, 1976. W3 IN607 1975o.

The increased certainty and the increased correction of the bare sclera closure with bimedial recession. pp. 441–2. Knapp P.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Extirpation of the recurrent overacting inferior oblique muscle. pp. 449–51. Parks MM.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Preoperative and postoperative sensory findings and distance/near relationship. Their influence in corrected exodeviations. pp. 507–13. Raab EL, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

An improved surgical exposure to the inferior oblique insertion. Hiles DA. **Ophthalmic Surg** 6(3):58–61, Fall 75

Strabismus reoperation techniques. Jampolsky A.
Trans Am Acad Ophthalmol Otolaryngol 79(5):704–17, Sep–Oct 75

The surgical treatment of undercorrected esotropia: an evaluation of the effect of recession of the medial rectus muscle 13.5 mm from the limbus. Mittelman D, et al.
Trans Am Acad Ophthalmol Otolaryngol 79(5):783–44, Sep–Oct 75

Monofixation syndrome: a frequent end stage of strabismus surgery. Parks MM.
Trans Am Acad Ophthalmol Otolaryngol 79(5):733–5, Sep–Oct 75

['Concomitant' strabismus in children] Fontaine M, et al.
Arch Ophtalmol (Paris) 35(5):455–62, May 75 **(Fre)**

[Recession by means of a loop on the rectus internus muscle] Gobin MH. **Bull Soc Belge Ophtalmol** (172):789–95, 1975 **(Fre)**

[Strabismus surgery. Dedicated to Jean Lavat] Marmier R, et al. **Bull Soc Ophtalmol Fr** 74(3):359–68, Mar 74 **(Fre)**

[Results of surgical treatment in strabismus convergens (author's transl)] Schäfer WD, et al.
Albrecht von Graefes Arch Klin Ophthalmol 198(3):207–15, 3 Mar 76 (Eng. Abstr.) **(Ger)**

[A contribution for recording data in strabismus (author's transl)] Schäfer WD, et al.
Albrecht von Graefes Arch Klin Ophthalmol 198(3):201–5, 3 Mar 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Tenosurgery in strabismus operations] de Decker W. **Ber Dtsch Ophthalmol Ges** (73):631–2, 1975 **(Ger)**

[Dexon as suture material in strabismus surgery] Lamcke B, et al. **Ber Dtsch Ophthalmol Ges** (73):293–5, 1975 **(Ger)**

[Artificial divergence in treatment of anomalous correspondence (author's transl)] de Decker W.
Klin Monatsbl Augenheilkd 166(5):619–23, May 75 (Eng. Abstr.) **(Ger)**

[Cüppers' 'Fadenoperation' for complicated eye-muscle disturbances and non-accomodative convergence-excess (author's transl)] de Decker W, et al.
Klin Monatsbl Augenheilkd 167(2):217–26, Aug 75 (Eng. Abstr.) **(Ger)**

[The results of surgical treatment of convergent strabismus (author's transl)] Kaufmann H, et al.
Klin Monatsbl Augenheilkd 167(2):237–44, Aug 75 (Eng. Abstr.) **(Ger)**

[The operative treatment of nystagmus-caused variable squint angles with Cüppers 'Fadenoperation' (author's transl)] Mühlendyck H, et al.
Klin Monatsbl Augenheilkd 167(2):273–90, Aug 75 (Eng. Abstr.) **(Ger)**

[The 'synoptometer' as basis for surgical indication and postoperative follow-up study in cases with complicated extraocular muscle diseases (author's transl)] Mühlendyck H. **Klin Monatsbl Augenheilkd** 167(6):892–9, Dec 75 (Eng. Abstr.) **(Ger)**

[Prismatic correction as preoperative treatment in alternating convergent squint] Stangler-Zuschrott E.
Klin Monatsbl Augenheilkd 165(6):909–14, Dec 74 (Eng. Abstr.) **(Ger)**

[Penalization in microtropia (author's transl)] Welge-Lüben L, et al. **Klin Monatsbl Augenheilkd** 167(2):317–23, Aug 75 (Eng. Abstr.) **(Ger)**

[Postoperativ binocular function after full prismatic correction in patients with concomitant convergent strabismus and exuberance of convergence (author's transl)] Welge-Lüssen L, et al. **Klin Monatsbl Augenheilkd** 167(2):232–6, Aug 75 (Eng. Abstr.) **(Ger)**

[Strabismus and its treatment] Huck D, et al. **ZFA** 52(12):634–9, 30 Apr 76 **(Ger)**

[Effects of dissection of the medial rectus muscle on the deformation of the eyeball] Fabiszewska-Górna D.
Klin Oczna 46(1):45–9, Jan 76 (Eng. Abstr.) **(Pol)**

[Disorders of ocular mobility following surgical muscle elongation by the Mądroszkiewicz method] Mądroszkiewicz M, et al. **Klin Oczna** 46(1):41–4, Jan 76 (Eng. Abstr.) **(Pol)**

[Importance of postoperative obturation following medial rectus elongation by the Mądroszkiewicz method] Mądroszkiewicz M, et al. **Klin Oczna** 46(3):305–6, Mar 76 (Eng. Abstr.) **(Pol)**

[Functional results in the surgical treatment of strabismus] Cernea P, et al. **Rev Chir [Oftalmol]** 20(2):147–50, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Comparative results of surgery of strabismus with 2 different methods of conjunctival incision] Oancea I, et al.
Rev Chir [Oftalmol] 19(2):93–100, Apr–Jun 75 **(Rum)**

[Operative technic in surgery of concomitant strabismus] Radian AB, et al. **Rev Chir [Oftalmol]** 19(2):143–9, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Surgery in complex treatment of amblyopia in children with convergent strabismus] Golikova TI. **Oftalmol Zh** 30(5):379–83, 1975 **(Rus)**

[Surgical treatment of sursumductory strabismus] Sváčová H, et al. **Cesk Oftalmol** 32(1):22–9, Jan 76 (Eng. Abstr.) **(Slo)**

THERAPY

Occulsion amblyopia. Levi DM.
Am J Optom Physiol Opt 53(1):16–9, Jan 76

Results of strabismus therapy in cerebral palsied children. Hiles DA. **Am Orthopt J** 25:46–55, 1975

Role of concave lenses in the treatment of divergent squint. Abbas S, et al. **Bull Ophthalmol Soc Egypt** 68:467–8, 1975

Convergent squint in children. Zaki HA.
Bull Ophthalmol Soc Egypt 67:315–23, 1974

Methods and results of treatment to re-establish fusion in strabismus. pp. 333–44. Avetisov ES, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The effect of prisms in the treatment of squint (anomalous movements). pp. 493–9. Bagolini B, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Permanent wearing of prisms and early delayed treatment of esotropia. pp. 203–8. Berard PV, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The management of intermittent exotropia. A comparison of the results of surgical and non-surgical treatment. pp. 563–8. Cooper EL, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Experiences with penalisation therapy. pp. 105–11. Haase W.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Varieties of prism application in strabismus therapy. pp. 191–4. Rubin W.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Results in intermittent exotropia. pp. 559–62. Velez G.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Prisms as an orthoptic tool in the management of primary exotropia. pp. 195–201. Véronneau-Troutman S, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Recent advances in strabismus management. Use of membrane prisms. Knapp P.
Trans Am Acad Ophthalmol Otolaryngol 79(5):718–21, Sep–Oct 75

[Treatment of intermittent exotropias] Bérard PV, et al.
Bull Soc Ophtalmol Fr 75(5–6):613–30, May–Jun 75 **(Fre)**

[Progress of the ophthalmologist in strabismus (in homage to Jean Lavat)] Campinchi R, et al.
Bull Soc Ophtalmol Fr 74(5–6):537–43, May–Jun 74 **(Fre)**

[Does the degree of hypermetropia influence the variations of the strabismus angle during optic penalization] Catros A, et al. **Bull Soc Ophtalmol Fr** 74(12):1243–6, Dec 74 **(Fre)**

[Recovery or good results in the treatment of concomitant strabismus (reflections following a survey)] Roth MA.
Bull Soc Ophtalmol Fr 74(11):1047–50, Nov 74 **(Fre)**

[Penalizations by cylindrical lenses] Weiss JB.
Bull Soc Ophtalmol Fr 75(3):277–8, Mar 75 **(Fre)**

[The present state of treatment of squint (author's transl)] Deller M. **Ther Umsch** 32(1):47–58, Jan 75 (Eng. Abstr.) **(Fre)**

[Indications for and principles of occlusive treatment] Ehmsen H, et al. **Klin Monatsbl Augenheilkd** 165(6):871–7, Dec 74 (Eng. Abstr.) **(Ger)**

[A method of feating intermittent divergence strabismus (author's transl)] Flynn JT, et al.
Klin Monatsbl Augenheilkd 167(2):185–90, Aug 75 (Eng. Abstr.) **(Ger)**

[Indication for penalization in the treatment of squint in early childhood (author's transl)] Haase W.
Klin Monatsbl Augenheilkd 165(5):714–24, Nov 74 **(Ger)**

[Observation in prismatic correction as treatment for convergent squint in early childhood (author's transl)] Herzau V. **Klin Monatsbl Augenheilkd** 165(5):724–32, Nov 74 (Eng. Abstr.) **(Ger)**

[Treatment and results of various forms of strabismus] Molnár L. **Klin Monatsbl Augenheilkd** 165(6):898–902, Dec 74 (Eng. Abstr.) **(Ger)**

[Bifocal eyeglasses in the treatment of squint] Schäfer WD. **Klin Monatsbl Augenheilkd** 165(6):915–20, Dec 74 (Eng. Abstr.) **(Ger)**

[Results of penalisation treatment (author's transl)] Stärk N, et al. **Klin Monatsbl Augenheilkd** 167(2):227–32, Aug 75 (Eng. Abstr.) **(Ger)**

[Long-term follow-up of intermittent exodeviation treated with preoperative orthoptics and surgery (author's transl)] Sugita S, et al. **Acta Soc Ophthalmol Jpn** 79(10):1452–8, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Localization method in the treatment of paralytic squints. I. Classification principles and therapy] Drewnowska-Sochańska A, et al. **Klin Oczna** 46(7):755–9, Jul 76 (Eng. Abstr.) **(Pol)**

[Localization method in the treatment of paralytic squints. II. Characteristics of cases and therapeutic results] Drewnowska-Sochańska A, et al. **Klin Oczna** 46(7):761–7, Jul 76 (Eng. Abstr.) **(Pol)**

[Evaluation of different methods of penalization in ambulaotry practice of squint treatment] Fabiszewska-Górna D. **Klin Oczna** 46(7):809–14, Jul 76 (Eng. Abstr.) **(Pol)**

[Kindergarten treatment of amblyopia and squint] Müller E. **Klin Oczna** 46(7):819–21, Jul 76 (Eng. Abstr.) **(Pol)**

[Treatment of squint by the method of free space tests in squinters considered to be cured—by means of synoptophore examinations] Tokarz-Sawińska E, et al. **Klin Oczna** 46(7):849–54, Jul 76 (Eng. Abstr.) **(Pol)**

[Efficiency of treatment of concomitant squints by the physiological method] Zelawska-Rybusowa H, et al. **Klin Oczna** 46(7):803–8, Jul 76 (Eng. Abstr.) **(Pol)**

[Value of early therapy in functional rehabilitation in strabismic amblyopia] Sărăcăceanu L, et al.
Rev Chir [Oftalmol] 19(2):109–16, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Work of the department of children's ophthalmological services concerning the treatment of strabismus and amblyopia] Kirik RK. **Oftalmol Zh** 30(3):235, 1975 **(Rus)**

[Treatment of children with strabismus and amblyopia at the sanatorium-type pioneer camp 'Sokol'] Khenkin VA.
Vestn Oftalmol (6):50–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Electric stimulation of ocular muscles in complex treatment of strabismus] Andrienko AA. **Vrach Delo** (11):103–5, Nov 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Bilateral divergent strabismus in a Holstein calf. Julian RJ. **Vet Med Small Anim Clin** 70(10):1151, Oct 75

STRAMONIUM

[A RNA extract from oncogenic and non oncogenic strains of Agrobacterium tumefaciens is an indispensable element for the induction of tumors in Datura stramonium] Le Goff L, et al. **Can J Microbiol** 22(5):694–701, May 76 (Eng. Abstr.) **(Fre)**

[Screening experiments in searching for the optimal conditions for alkaloid release into the tissue culture medium from Indian datura (Datura innoxia (Mill.)) and imalayan scopolia (Scopolia stramonifolia (Wall.))] Smorodin AV, et al. **Farmatsiia** 24(4):34–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Letter: Jimson weed seeds. Mahler DA. **Ann Intern Med** 83(6):905, Dec 75

ANALYSIS

Quantitative determination of total alkaloids and scopolamine in Datura ferox growing in Argentina. Padula LZ, et al. **Planta Med** 29(4):357–60, Jun 76

GROWTH & DEVELOPMENT

Genetic and biochemical aspects of the development of Datura. Conklin ME. **Monogr Dev Biol** (12):1–170, 1976 (380 ref.)

METABOLISM

Proceedings: Alkaloids of the F1 hybrid of Datura stramonium x D. discolor. Al-Yahya M, et al.
J Pharm Pharmacol 27 Suppl?–2:87P, Dec 75

Biosynthesis of tropic acid. I. Incorporation of cinnamic acid-2-14C in Datura innoxia. Prabhu BV, et al.
Lloydia 39(1):79–81, Jan–Feb 76

[Production of tropane alkaloids in tissue cultures (author's transl)] Corduan G. **Planta Med** Suppl:225–31, 1975 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Effect of temperature on the reaction of Datura stramomium L. plants infected with potato virus X] Grma DP, et al. **Mikrobiol Zh** 37(3):381–3, May–Jun 75 (Eng. Abstr.) **(Ukr)**

POISONING

Letter: Reversal by physostigmine of delirium induced by ingestion of the flowers of the plant Datura stramonium. Mendelson G. **Anesth Analg (Cleve)** 55(2):260, Mar–Apr 76

Acute anticholinergic syndrome due to Jimson seed ingestion. Clinical and laboratory observation in six cases. Mikolich JR, et al. **Ann Intern Med** 83(3):321–5, Sep 75

Letter: Poisoning due the Datura fastuosa. Mendelson G. **J Trop Med Hyg** 79(7):163, Jul 76

STRATIGRAPHY, RADIOGRAPHIC see **TOMOGRAPHY, RADIOGRAPHIC**

STREPTOCOCCACEAE

ISOLATION & PURIFICATION

Streptococci and aerococci associated with systemic infection in man. Parker MT, et al. **J Med Microbiol** 9(3):275–302, Aug 76

METABOLISM

Formation of acetaldehyde from threonine by lactic acid bacteria. Lees GJ, et al. **J Dairy Res** 43(1):75–83, Feb 76

Acetaldehyde: an intermediate in the formation of ethanol from glucose by lactic acid bacteria. Lees GJ. **J Dairy Res** 43(1):63–73, Feb 76

STREPTOCOCCAL INFECTIONS

Group B streptococcal infection in the newborn. Criteria for early detection and treatment. Lloyd DJ, et al. **Acta Paediatr Scand** 65(5):585–91, Sep 76

Letter: Bilateral breast abscess due to group B streptococcus. Nelson JD. **Am J Dis Child** 130(5):567, May 76

Anaerobic streptococcal corneal ulcer. Ostler HB, et al. **Am J Ophthalmol** 81(4):518–9, Apr 76

Late sequelae of poststreptococcal glomerulonephritis. Baldwin DS, et al. **Annu Rev Med** 27:49–55, 1976

Group D enterococcal meningitis. Clinical and therapeutic considerations with report of three cases and review of the literature. Bayer AS, et al. **Arch Intern Med** 136(8):883–6, Aug 76

Letter: An aetiological agent in Whipple's disease? Taylor-Robinson D. **Br Med J** 4(5989):163, 18 Oct 75

Acromegaly, the systolic click syndrome, and group D streptococcal endocarditis. Jugdutt B, et al. **Chest** 69(5):690–2, May 76

Streptococcal pancarditis. Melmed S, et al. **Chest** 69(1):108–10, Jan 76

Abnormalities in heart membranes and myofibrils during bacterial infective cardiomyopathy in the rabbit. Tomlinson CW, et al. **Circ Res** 39(1):82–92, Jul 76

Streptococcal pharyngitis: an old nemesis. Sanders WE Jr, et al. **Compr Ther** 1(3):29–33, Jul 75

Rheumatic fever: a streptococcal-induced autoimmune disease? pp. 97–111. Zabriskie JB.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (48 ref.)

Epidemiology of group B streptococcal infections, 1975. pp. 159–66. Yow MD.
In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975. (22 ref.)

Neonatal septicemia due to group B-beta hemolytic streptococci. Sharma KB, et al. **Indian J Med Res** 63(6):781–6, Jun 75

Osteomyelitis caused by Streptococcus faecalis (report of an unusual case). Yadav SS, et al. **Indian J Med Sci** 29(4–5):116–7, Apr–May 75

Infection with Streptococcus agalactiae in a London hospital. Mhalu FS. **J Clin Pathol** 29(4):309–12, Apr 76

Group B streptococcus in a general hospital. Anthony BF, et al. **J Infect Dis** 132(5):561–7, Nov 75

Pustular psoriasis elicited by streptococcal antigen and localized to the sweat pore. Shelley WB, et al. **J Invest Dermatol** 65(5):466–71, Nov 75

The changing bacteriologic pattern of newborn septicemia. Farquhar J Jr, et al. **J Ky Med Assoc** 73(12):657–9, Dec 75

Serious group A streptococcal diseases in children. Burech DL, et al. **J Pediatr** 88(6):972–4, Jun 76

Letter: Persistent group B Streptococcus bacteremia without clinical 'sepsis' in infants. Roberts KB. **J Pediatr** 88(6):1059–60, Jun 76

A family outbreak of serious streptococcal infection. Cannaday P, et al. **JAMA** 236(6):585–6, 9 AUG 76

Bacteremic infections due to clindamycin-resistant streptococci. Drapkin MS, et al. **JAMA** 236(3):263–5, 19 Jul 76

Editorial: The Whipple Riddle. Lei JT. **JAMA** 235(11):1148, 15 Mar 76

Letter: Streptococcus milleri liver abscesses. Reid TM, et al. **Lancet** 1(7960):648–9, 20 Mar 76

Editorial: The perinatal group B streptococcal problem: more questions than answers. Feigin RD. **N Engl J Med** 294(2):106–7, 8 Jan 76

Acute glomerulonephritis: the current role of the streptococcus. Dawson KP, et al. **NZ Med J** 83(561):232–3, 14 Apr 76

Obstetric observations in eleven cases of neonatal sepsis due to the group B beta hemolytic streptococcus. Bobitt JR, et al. **Obstet Gynecol** 47(4):439–42, Apr 76

Group B streptococcal colonization in pregnancy. Schauf V, et al. **Obstet Gynecol** 47(6):719–21, Jun 76

Anaerobic infections. Sim FH. **Orthop Clin North Am** 6(4):1049–56, Oct 75

[Streptococcus mutans and bacterial endocarditis] Krzemiński Z. **Pol Tyg Lek** 31(1):33–5, 5 Jan 76 (18 ref.) **(Pol)**

[Role of anaerobic streptococci in human pathology. Report I. Etiological significance of anaerobic streptococci in chronic tonsillitis] Stovbun FI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):78–82, Dec 75 (Eng. Abstr.) **(Rus)**

[Suppurative acute pericarditis caused by anaerobic bacteria] Suárez García A, et al. **Rev Clin Esp** 139(1):85–9, 15 Oct 75 **(Spa)**

[Microbiologic characteristics of chronic tonsillitis in children] Berezhnyĭ VV, et al. **Pediatr Akush Ginekol** (6):17–9, Nov–Dec 75 **(Ukr)**

BLOOD

[Beta lipoproteins and anti-streptococcal antibodies: nonspecific increases in the antistreptolysin O titer] Giacone GO, et al. **Ann Osp Maria Vittoria Torino** 17(1–6):14–30, Jan–Jun 74 **(Ita)**

[Antistreptolysin O in subjects with incidence of group a Streptococci in the upper respiratory tract (author's transl)] Stefanovič J, et al. **Bratisl Lek Listy** 64(6):685–91, Dec 75 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Pleural empyema in a newborn infant. An unusual cause of respiratory distress. Petersen S, et al. **Acta Paediatr Scand** 65(4):527–8, Jul 76

Streptococcal osteomyelitis and arthritis in a neonate. Hutto JH, et al. **Am J Dis Child** 129(12):1449–51, Dec 75

Poststreptococcal nephritis--a rare disease?. Meadow SR. **Arch Dis Child** 50(5):379–82, May 75

Letter: Poststreptococcal nephritis--still not a rare disease in Thailand. Tanphaichitr P, et al. **Arch Dis Child** 51(6):484–5, Jun 76

A hitherto unknown streptococcal antigen and its probable relation to acute poststreptococcal glomerulonephritis. Lange K, et al. **Clin Nephrol** 5(5):207–15, May 76

Diseases associated with streptococcal infection. pp. 349–50. Kingston D, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.

The effect of Streptococcus on the persistence of Brugia malayi and on the production of elephantiasis in cats. Bosworth W, et al. **Int J Parasitol** 5(6):583–9, Dec 75

Intravenous diazoxide in acute poststreptococcal glomerulonephritis. Kohaut EC, et al. **J Pediatr** 87(5):795–8, Nov 75

Letter: Group B beta hemolytic streptococcal osteomyelitis/purulent arthritis in neonates: report of three cases. Siskind B, et al. **J Pediatr** 87(4):659, Oct 75

Letter: Hyaline-membrane disease and infection in the newborn. **N Engl J Med** 294(15):844, 8 Apr 76

Infections of the hand. Angel JC. **Nurs Times** 71(44):1734–5, 30 Oct 75

Acute rheumatic fever following streptococcal wound infection. Popat KD, et al. **Postgrad Med J** 52(605):165–70, Mar 76

Irreversible renal failure in acute post-streptococcal glomerulonephritis. Pillay VK. **S Afr Med J** 49(44):1823–4, 18 Oct 75

Mechanism of anaemia in experimental bacterial endocarditis. Joyce RA, et al. **Scand J Haematol** 15(4):306–11, Nov 75

Post-streptococcal glomerulonephritis in North Trinidad. Hayes JS, et al. **Trop Geogr Med** 27(3):253–6, Sep 75

[Proceedings: Surgical correction using 3 Bjork's prostheses of a malignant post-streptococcal multiple valve disorder in a 14-year-old] Serradimigni A, et al. **Arch Fr Pediatr** 32(6):592–3, Jun–Jul 75 **(Fre)**

[Bacterial and parasitic etiologies in rheumatology] Richer G. **Biol Med (Paris)** (1):65–81, Dec 71–Jan 72 (38 ref.) **(Fre)**

[Post-partum pubic osteitis and thrombophlebitis] Barrier J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):737–43, Sep 73 (Eng. Abstr.) **(Fre)**

[Fulminating streptococcal cellulitis. Importance of hypovolemic shock] Robin M, et al. **Nouv Presse Med** 5(4):192–4, 24 Jan 76 (Eng. Abstr.) **(Fre)**

[Skin diseases caused by cocci] Pfrieme B. **Med Klin** 70(47):1928–31, 21 Nov 75 **(Ger)**

[Preliminary results of the use of antilymphocyte serum (S.A.L.) in glomerular post-streptococcal immunologic kidney disease in the adult] Bonomini V, et al. **Minerva Nefrol** 19(3):232–4, May–Jun 72 **(Ita)**

[Sero-epidemiological surveillance, a method of prevention of complications of streptococcal infections] Spinu I, et al. **Rev Ig [Bacteriol]** 20(4):213–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Characteristics of clinical course of allergic uveitis of streptococcal etiology] Shpak NI, et al. **Oftalmol Zh** 30(5):327–31, 1975 (Eng. Abstr.) **(Rus)**

[Role of pyococcal infection in the pathogenesis of ecematous mycoses of the feet] Khodiukov Ela. **Vestn Dermatol Venerol** (6):67–70, Jun 75 **(Rus)**

DIAGNOSIS

Streptococcal pharyngitis. Evaluation of a new diagnostic kit for clinic and office use. Randolph MF, et al. **Am J Dis Child** 130(2):171–2, Feb 76

Strep screening to prevent rheumatic fever. Boyle MT, et al. **Am J Nurs** 75(9):1487–8, Sep 75

Strep screening to prevent rheumatic fever: From project to ongoing program. Chobin N, et al. **Am J Nurs** 75(9):1489–91, Sep 75

Toxic epidermal necrolysis. Rapid differentiation between staphylococcal- and drug-induced disease. Amon RB, et al. **Arch Dermatol** 111(11):1433–7, Nov 75

Recognition of streptococcal pharyngitis in adults. Walsh BT, et al. **Arch Intern Med** 135(11):1493–7, Nov 75

Spectrum of echocardiographic findings in bacterial endocarditis. Roy P, et al. **Circulation** 53(3):474–82, Mar 76

Evaluation of beckman antistreptolysin O and antideoxyribonuclease B (ASO/ADB) test kit. Klein GC. **J Clin Microbiol** 3(4):458–9, Apr 76

Identification of an infected pseudocyst of the pancreas with 67Ga-citrate: case report. Kennedy TD, et al. **J Nucl Med** 16(12):1132–4, Dec 75

Radiometric identification of Streptococcus Group A in throat cultures. Larson SM, et al. **J Nucl Med** 16(11):1085–6, Nov 75

Neonatal group A streptococcal disease. Peter G, et al. **J Pediatr** 87(3):454–5, Sep 75

Acute sore throat--diagnosis and treatment in general practice. **J R Coll Gen Pract** 25(151):126–32, Feb 75

A penicillin shot without culturing the child's throat. Wannamaker LW. **JAMA** 235(9):913–4, 1 Mar 76

Typical cases of tapir lip: a visual diagnosis. Anderson PC. **Mo Med** 72(10):607–9, Oct 75

A comparison of early-onset group B steptococcal neonatal infection and the respiratory-distress syndrome of the newborn. Ablow RC, et al. **N Engl J Med** 294(2):65–70, 8 Jan 76

Staphylococcal cervical adenitis in young infants. Hieber JP, et al. **Pediatrics** 57(3):424–6, Mar 76

Infected left atrial mass within anatomically normal heart. Malcolm AD, et al. **Thorax** 30(6):693–6, Dec 75

Streptococcal meningitis in pregnancy. Larson C, et al. **Wis Med J** 75(1):S1–2, Jan 76

[Serological screening of streptococci. Comparison of 2 methods of slide agglutination, one with streptolysin alone, the other with several enzymes (Streptozymes)] de Rautlin Y de la Roy. **Pathol Biol (Paris)** 23(7):575–83, Sep 75 (Eng. Abstr.) **(Fre)**

[Studies on the specificity of the antistreptolysin-reaction (author's transl)] Mohm M, et al. **Z Immunitaetsforsch** 145(2):176–82, May 75 (Eng. Abstr.) **(Ger)**

[Mixed infections by hemolyzing streptococci in clinical material (author's transl)] Hladny J, et al. **Zentralbl Bakteriol [Orig A]** 234(2):177h, Mar 76 (Eng. Abstr.) **(Ger)**

[Streptozyme test in the diagnosis of streptococcal infections] Spina D, et al. **Quad Sclavo Diagn** 10(3):370–6, Sep 74 (Eng. Abstr.) **(Ita)**

[Tonographic and gonioscopic studies in allergic iridocyclitis of streptococcal etiology] Savko VV. **Oftalmol Zh** 30(3):223–5, 1975 (Eng. Abstr.) **(Rus)**

[Type specific antistreptococcal antibodies in the passive hemagglutination test] Silich VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):40–4, Apr 76 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Erythromycin therapy for streptococcal pharyngitis. Derrick CW, et al. **Am J Dis Child** 130(2):175–8, Feb 76

Antibiotic treatment of parturient women colonized with group B streptococci. Hall RT, et al. **Am J Obstet Gynecol** 124(6):630–4, 15 Mar 76

Amide Penicillin Wy-12,556: therapeutic activity in animals subjected to repeated bacterial infection. Yurchenco JA, et al. **Chemotherapy** 22(3–4):232–41, 1976

Triacetyloleandomycin in streptococcal throat infections. A reappraisal of an older antibiotic. Gururaj VJ, et al. **Clin Pediatr (Phila)** 15(2):184–87, FEB 76

Comparison of erythromycin ethyl succinate, stearate and estolate treatments of group A streptococcal infections of the upper respiratory tract. Janicki RS, et al. **Clin Pediatr (Phila)** 14(12):1098–107, Dec 75

Comparison of oral clindamycin to oral and intramuscular (benzathine) penicillin in the treatment of streptococcal pharyngitis. Chernack WJ, et al. **Curr Ther Res** 19(1):11–9, Jan 76

Carbenicillin therapy of urinary tract infections due to difficult uropathogens. III. Enterococcus. Fiedelman W. **Curr Ther Res** 18(1 s suppl):249–56, Jul 75

Antibiotic synergism in enterococcal endocarditis. Carrizosa J, et al. **J Lab Clin Med** 88(1):132–41, Jul 76

Chemotherapy of experimental streptococcal endocarditis. V. Effect of duration of infection and retained intracardiac catheter on response to treatment. Pelletier LL Jr, et al. **J Lab Clin Med** 87(4):692–702, Apr 76

Decadron in the treatment of cerebral abscess. An experimental study. Quartey GR, et al. **J Neurosurg** 45(3):301–10, Sep 76

Recurrence of group B streptococcal infection. Broughton DD, et al. **J Pediatr** 89(2):182–5, Aug 76

Relapse during penicillin treatment of group B streptococcal meningitis. Dorand RD, et al. **J Pediatr** 89(2):188–90, Aug 76

Editorial: Neonatal group B streptococcal infection. McCracken GH, et al. **J Pediatr** 89(2):203–4, Aug 76

Failure of penicillin to eradicate the carrier state of group B Streptococcus in infants. Paredes A, et al. **J Pediatr** 89(2):191–3, Aug 76

Recurrence of group B streptococcal infection. Truog WE, et al. **J Pediatr** 89(2):185–6, Aug 76

Recurrence of group B III streptococcal meningitis. Walker SH, et al. **J Pediatr** 89(2):187–8, Aug 76

Antibiotics in the treatment of tonsillitis. Everett MT. **J R Coll Gen Pract** 25(154):317–25, May 75

Letter: Streptococcal pharyngitis in children. **JAMA** 236(5):446–7, 2 Aug 76

Streptococcal pharyngitis in children. A comparison of four treatment schedules with intramuscular penicillin G benzathine. Bass JW, et al. **JAMA** 235(11):1112–6, 15 Mar 76

Letter: failure of cephradine in infective endocarditis. Daggett PR, et al. **Lancet** 2(7940):877, 1 Nov 75

[Clinical experience with amoxicillin in pediatric infections due to hemolytic streptococci (author's transl)] Sugiura J, et al. **Jpn J Antibiot** 28(5):672–4, Oct 75 **(Jpn)**

[Use of pivampicillin in the treatment of acute bacterial respiratory infections] Edelweiss EL, et al. **Rev Assoc Med Bras** 21(6):185–8, Jun 75 (Eng. Abstr.) **(Por)**

[Erythromycin and oleandomycin concentration in the body of angina patients taking the preparations orally] Liashenko IuI. **Antibiotiki** 20(8):721–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Comparative study of the semisynthetic penicillins in the experimental therapy of pneumococcal and streptococcal infections in mice] Rudzit EA, et al. **Antibiotiki** 21(4):352–8, Apr 76 (Eng. Abstr.) **(Rus)**

[Distribution of some semisynthetic penicillins in the organism in patients with angina] Liashenko IuI. **Vestn Otorinolaringol** (6):11–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Validation of some treatment schemes for angina patients] Khodyrev AP, et al. **Voen Med Zh** (11):45–7, Nov 75 **(Rus)**

[Use of antirheumatic and antimicrobial drugs for the prevention of rheumatism in patients with streptococcal infection] Iasinovskii MA, et al. **Vrach Delo** (2):12–6, Feb 74 **(Rus)**

[Effect of nucleic acids on the outcome of acute streptococcal infection] Khodyrev AP. **Zh Mikrobiol Epidemiol Immunobiol** (10):70–4, Oct 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Group B streptococcal meningitis associated with otitis media. Ellis SS, et al. **Am J Dis Child** 130(9):1003–4, Sep 76

Streptococcal meningitis with an unusual port of entry. Shadravan I, et al. **Am J Dis Child** 130(2):214–5, Feb 76

Streptococcal infections--updated. Wannamaker LW, et al. **DM** :1–40, Oct 75 (98 ref.)

Letter: Septicaemia due to porcine streptococci. Kloppenburg M, et al. **Lancet** 2(7946):1218, 13 Dec 75

Varicella gangrenosa due to group A beta-hemolytic Streptococcus. Smith EW, et al. **Pediatrics** 57(3):306–10, Mar 76

[Nutritive-deficient streptococci isolated from septicemia following tooth extraction] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):549–54, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Bacterial endocarditis as a complication of dynamic hypertrophic subaortic stenosis. Report of a case] Garrido Pintor A, et al. **Rev Esp Cardiol** 29(3):267–71, May–Jun 76 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Group A beta hemolytic streptococcal sepsis in mother and infant twins. Nieburg PI, et al. **J Pediatr** 87(3):453, Sep 75

Neonatal group A streptococcal disease. Peter G, et al. **J Pediatr** 87(3):454–5, Sep 75

The persistence of group B streptococci in families. Bergqvist G, et al. **Scand J Infect Dis** 8(2):79–81, 1976

Familial surgical intracranial infections. Adams WE, et al. **Va Med Mon** 103(2):127–8, 165, Feb 76

IMMUNOLOGY

IgA levels and carrier rate of Haemophilus influenzae and beta-haemolytic streptococci in children undergoing tonsillectomy. Ostergaard PA. **Acta Pathol Microbiol Scand [C]** 84(4):290–8, Aug 76

The new streptozyme test for streptococcal antibodies. Studies in the value of this multiple antigen test in glomerulonephritis, acute pharyngitis, and acute rheumatic fever. Bergner-Rabinowitz S, et al. **Clin Pediatr (Phila)** 14(9):804–9, Sep 75

Cellular immunity in experimental pyelonephritis. Kalmanson GM, et al. **Kidney Int [Suppl]** Suppl 4:S35–43, Aug 75

Transformation of lymphocytes in patients with certain bacterial infections. Wagnerová M, et al. **Med Microbiol Immunol (Berl)** 161(4):273–7, 19 Sep 75

Correlation of maternal antibody deficiency with susceptibility to neonatal group B streptococcal infection. Baker CJ, et al. **N Engl J Med** 294(14):753–6, 1 Apr 76

Streptokinase resistance test in patients with streptococcal infection and/or high antistreptolysin titers. Aznar J, et al. **Scand J Haematol** 16(2):141–3, Feb 76

Natural infection of man with group A streptococci. Levels; restriction in class, subclass, and type; and clonal appearance of polysaccharide-group-specific antibodies. Riesen WF, et al. **Scand J Immunol** 5(4):383–90, 1976

[Phagocytosis of group A haemolytic streptococci by mouse macrophages. Comparison of preliminary infection of animals and degree of virulence of the strain (author's transl)] Wahl R, et al. **Z Immunitaetsforsch** 148(4):273–84, Feb 75 (Eng. Abstr.) **(Fre)**

[Etiopathogenetic role of Streptococcus] Buogo A. **Minerva Med** 66(80):4293–6, 24 Nov 75 **(Ita)**

[Dynamics of serum complement and antistreptokinase in post-streptococcal glomerulonephritis] Domnişoru L, et al. **Rev Med Intern [Med Intern]** 27(5):359–64, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Effect of antitissue serum antibodies cross reacting with microbial antigens on the course of the infectious process] Ogurtsov RP. **Zh Mikrobiol Epidemiol Immunobiol** (6):21–6, Jun 76 (Eng. Abstr.) **(Rus)**

[Immune complexes in rheumatoid arthritis] Svartz N. **Lakartidningen** 73(15):1414–6, 7 Apr 76 (Eng. Abstr.) **(Swe)**

MICROBIOLOGY

Experimental group B streptococcal infections in mice: hematogenous virulence and mucosal colonization. Furtado D. **Infect Immun** 13(5):1315–20, May 76

Standardization and evaluation of the CAMP reaction for the prompt, presumptive identification of Streptococcus agalactiae (Lancefield group B) in clinical material. Darling CL. **J Clin Microbiol** 1(2):171–4, Feb 75

Presumptive speciation of Streptococcus bovis and other group D streptococci from human sources by using arginine and pyruvate tests. Gross KC, et al. **J Clin Microbiol** 1(1):54–60, Jan 75

Rapid identification of group B streptococci by counterimmunoelectrophoresis. Hill HR, et al. **J Clin Microbiol** 1(2):188–91, Feb 75

Rapid recognition of group B streptococci by pigment production and counterimmunoelectrophoresis. Merritt K, et al. **J Clin Microbiol** 3(3):287–90, Mar 76

Application of counterimmunoelectrophoresis in the identification of Streptococcus pneumoniae in clinical isolates. Sottile MI, et al. **J Clin Microbiol** 2(3):173–7, Sep 75

Infection with minute-colony-forming beta-haemolytic streptococci. Poole PM, et al. **J Clin Pathol** 29(8):740–5, Aug 76

A new M-type of group A streptococcus of clinical importance in pyoderma and pharyngitis. Dillon HC, et al. **J Gen Microbiol** 91(1):119–26, Nov 75

Clinical significance of Lancefield groups L-T streptococci isolated from blood and cerebrospinal fluid. Broome CV, et al. **J Infect Dis** 133(4):382–9, Apr 76

Streptococci and aerococci associated with systemic infection in man. Parker MT, et al. **J Med Microbiol** 9(3):275–302, Aug 76

Observations on group-F streptococci from human sources. Wort AJ. **J Med Microbiol** 8(3):455–7, Aug 75

Pharyngitis due to group C hemolytic streptococci in children. Benjamin JT, et al. **J Pediatr** 89(2):254–6, Aug 76

Nonhemolytic group B streptococcal infections. Roe MH, et al. **J Pediatr** 89(1):75–7, Jul 76

Group B streptococcal disease. **J Tenn Med Assoc** 69(1):26–8, Jan 76

Letter: Non-group A beta0hemolytic streptococcal infection. Galland L. **JAMA** 235(20):2190, 17 May 76

Letter: Non-group A streptococci in Ghanaian patients with pyoderma. Belcher DW, et al. **Lancet** 2(7943):1032, 22 Nov 75

Quantitative throat-swab culture in the diagnosis of streptococcal pharyngitis in children. Bell SM, et al. **Lancet** 2(7976):62–3, 10 Jul 76

Importance of streptococci as pathogens in the urinary tract. Gratten MJ, et al. **NZ Med J** 82(554):413–5, 24 Dec 75

Letter: A question on throat cultures. Abello VB. **Pediatrics** 58(2):301–2, Aug 76

Fatal neonatal meningitis due to group B streptococci. Chattopadhyay B. **Postgrad Med J** 51(594):240–3, Apr 75

[Streptococcus group B infections] Megro H, et al. **J Jpn Assoc Infect Dis** 49(12):823–4, Dec 75 **(Jpn)**

[Isolation of beta-hemolytic streptococci from wounds and inflammation foci under condition of daily work in the laboratories of clinical bacteriology] Kaplan AE, et al. **Lab Delo** (4):248–50, 1975 **(Rus)**

[Etiological role of nonspecific microflora in bronchopulmonary pathology (based on bacteriological and immunological data)] Filippov VP, et al. **Probl Tuberk** (9):23–8, 1975 (Eng. Abstr.) **(Rus)**

[Diagnosis of throat infections with betahemolytic streptococci group A] Cars O, et al. **Lakartidningen** 72(35):3219–20, 27 Aug 75 (Eng. Abstr.) **(Swe)**

OCCURRENCE

The epidemiology and natural history of streptococcal pyoderma: an endemic disease of the rural southern United States. Nelson KE, et al. **Am J Epidemiol** 103(3):270–83, Mar 76

Asymptomatic epidemic acquisition of group A Streptococcus: antibody response to extracellular and type-specific antigens. Ayoub EM, et al. **J Infect Dis** 132(1):20–7, Jul 75

A retrospective study of the occurrence of beta-haemolytic streptococci of various Lancefield groups in routine cultures from the County of Uppsala. Bengtsson S, et al. **Scand J Infect Dis** 8(2):83–7, 1976

Streptococcal infections, acute nephritis and rheumatic fever in Trinidad--further observations. Earle DP, et al. **Trans Am Clin Climatol Assoc** 87:224–34, 1976

[Characteristics of beta-hemolytic streptococci secreted in children in various climatic zones] Gladkova KK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):71–4, Dec 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Microscopic features of pustule formation in experimental impetigo of guinea pig. Jordan WE, et al. **J Cutan Pathol** 1(1):54–60, 1974

Pulmonary changes in neonatal sepsis to group B beta-hemolytic Streptococcus: relation of hyaline membrane disease. Katzenstein AL, et al. **J Infect Dis** 133(4):430–5, Apr 76

[Morphologic changes in the parenchymal organs and the joints in rabbits inoculated with L-forms of beta-hemolytic streptococci] Toshkov A, et al. **Acta Microbiol Virol Immunol (Sofiia)** 2:34–41, 1975 (Eng. Abstr.) **(Bul)**

[Morphological changes in the internal organs in chronic streptococcal infection] Gusman BS, et al. **Biull Eksp Biol Med** 80(9):111–5, Sep 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of leukocytes and their hydrolases in the persistence, degradation, and transport of bacterial constituents in tissues: relation to chronic inflammatory processes in staphylococcal, streptococcal, and mycobacterial infections and in chronic periodontal disease. Ginsburg I, et al. **CRC Crit Rev Microbiol** 4(3):249–322, Mar 76

Hypothalamic-pituitary dysfunction following group B beta hemolytic streptococcal meningitis in a neonate. Pai KG, et al. **J Pediatr** 88(2):289–91, Feb 76

PREVENTION & CONTROL

Streptococcal control in grade schools. Jackson H. **Am J Dis Child** 130(3):273–9, Mar 76

Antibiotic treatment of parturient women colonized with group B streptococci. Hall RT, et al. **Am J Obstet Gynecol** 124(6):630–4, 15 Mar 76

Pyelonephritis. XIX. Immunization against enterococcal pyelonephritis. Guze LB, et al. **Invest Urol** 14(1):13–5, Jul 76

Letter: Does intramuscular penicillin at delivery prevent group B beta hemolytic streptococcal disease of the newborn infant? Steigman AJ, et al. **J Pediatr** 87(3):496, Sep 75

Letter: Does intramuscular penicillin at delivery prevent group B beta hemolytic streptococcal disease of the newborn infant? Steigman AJ, et al. **J Pediatr** 87(3):496–7, Sep 75

Editorial: Prophylaxis of bacterial endocarditis. Faith, hope, and charitable interpretations. **Lancet** 1(7958):519–20, 6 Mar 76

[Active eradication of streptococci in closed populations] Krauze J. **Wiad Lek** 29(2):117–9, 15 Jan 76 (Eng. Abstr.) **(Pol)**

[Perspectives on the development of a streptococcal vaccine] Evseev VA. **Zh Mikrobiol Epidemiol Immunobiol** (2):9–16, Feb 76 (75 ref.) **(Rus)**

RADIOGRAPHY

Early onset group B streptococcal disease: clinical, roentgenographic, and pathologic features. Vollman JH, et al. **J Pediatr** 89(2):199–203, Aug 76

Radiological findings in group B streptococcal Sepsis. Weller MH, et al. **Radiology** 118(2):385–7, Feb 76

SURGERY

Bacterial endocarditis in pregnancy: successful surgical correction. Nazarian M, et al. **J Thorac Cardiovasc Surg** 71(6):880–3, Jun 76

THERAPY

Streptococcal sore throat followup program in a hospital clinic, New York City. Kaufman A, et al. **Public Health Rep** 90(4):369–72, Jul–Aug 75

TRANSMISSION

The epidemiology of nosocomial enterococcal urinary tract infection. Gross PA, et al. **Am J Med Sci** 272(1):75–81, Jul–Aug 76

Spread of Streptococcus pneumoniae in families. II. Relation of transfer of S. pneumoniae to incidence of colds and serum antibody. Gwaltney JM Jr, et al. **J Infect Dis** 132(1):62–8, Jul 75

Group A beta hemolytic streptococcal sepsis in mother and infant twins. Nieburg PI, et al. **J Pediatr** 87(3):453, Sep 75

Possible nosocomial transmission of group B streptococci in a newborn nursery. Steere AC, et al. **J Pediatr** 87(5):784–7, Nov 75

Primary peritonitis due to group G Streptococcus: A case report. Khan AJ, et al. **Pediatrics** 56(6):1078–9, Dec 75

VETERINARY

Streptococcus agalactiae infection in a hamster. Kummeneje K, et al. **Acta Vet Scand** 16(4):554–6, 1975

Streptococci isolated from bovine intramammary infections. McDonald TJ, et al. **Am J Vet Res** 37(4):377–81, Apr 76

Letter: Specific bacterial pathogens their importance and control. Francis J. **Aust Vet J** 51(5):283–4, May 75

Immunity to Streptococcus equi. Woolcock JB. **Aust Vet J** 51(12):554–9, Dec 75

Streptococcal mastitis in golden hamsters. Frisk CS, et al.

Lab Anim Sci 26(1):97, Feb 76

Streptoccal infections in pigs. 2. Serological and biochemical examinations. Riising HJ. **Nord Vet Med** 28(2):80–7, Feb 76

Streptococcal infections in sucking pigs. 1. Epidemiological investigations. Riising HJ, et al. **Nord Vet Med** 28(2):65–79, Feb 76

Experimentally-induced Streptococcus equi infection in horses with resultant guttural pouch empyema. Knight AP, et al. **Vet Med Small Anim Clin** 70(10):1194–9, Oct 75

[Streptococcosis in chickens. II. Cultural, morphological and biochemical studies of streptococcal strains] Milanov M, et al. **Vet Med Nauki** 13(3):70–3, 1976 (Eng. Abstr.) **(Bul)**

[Verrucous endocarditis in bovine caused by Streptococcus sp.] Portugal MA, et al. **Arq Inst Biol (Sao Paulo)** 39(1):51–7, Jan–Mar 72 (Eng. Abstr.) **(Por)**

STREPTOCOCCUS

The periurethral aerobic flora in girls highly susceptible to urinary infections. Bollgren I, et al. **Acta Paediatr Scand** 65(1):81–7, Jan 76

The periurethral aerobic bacterial flora in healthy boys and girls. Bollgren I, et al. **Acta Paediatr Scand** 65(1):74–80, Jan 76

IgA levels and carrier rate of Haemophilus influenzae and beta-haemolytic streptococci in children undergoing tonsillectomy. Ostergaard PA. **Acta Pathol Microbiol Scand [C]** 84(4):290–8, Aug 76

Viridins, bacteriocins of alpha-hemolytic streptococci: isolation, characterization, and partial purification. Dajani AS, et al. **Antimicrob Agents Chemother** 9(1):81–8, Jan 76

Sulfuric acid and streptococci clearance from respiratory tracts of mice. Fairchild GA, et al. **Arch Environ Health** 30(11):538–45, Nov 75

Isolation and characterization of an aetiological agent in Whipple's disease. Clancy RL, et al. **Br Med J** 3(5983):568–70, 6 Sep 75

Characterization of Streptococcus bovis bacteriophages. Iverson WG, et al. **Can J Microbiol** 22(6):847–52, Jun 76

Effect of amino sugars on transformation of strains Streptococcus Wicky and Bacillus 168 trp2. Rytíř V, et al. **Folia Microbiol (Praha)** 20(5):423–6, 1975

Experimental study on the effect of large-dose intratumoral OK-432 administration in mice. Hattori T, et al. **Gann** 67(1):105–10, Feb 76

Antigenic variation of Streptococcus mutans colonizing gnotobiotic rats. Bratthall D, et al. **Infect Immun** 12(6):1231–6, Dec 75

Effect of glucose and sucrose on survival in batch culture of Streptococcus mutans C67-1 and a noncariogenic mutant, C67-25. Donoghue HD, et al. **Infect Immun** 13(1):16–21, Jan 76

Induction of adjuvant arthritis in the rat by various bacterial cell walls and their water-soluble components. Koga T, et al. **Int Arch Allergy Appl Immunol** 51(2):206–13, 1976

Competitive inhibition of transformation in group H Streptococcus strain Challis by heterologous deoxyribonucleic acid. Ceglowski P, et al. **J Bacteriol** 124(3):1621–3, Dec 75

Autolysis of Streptococcus cremoris. Sullivan JJ, et al. **J Dairy Res** 43(2):275–82, Jun 76

Streptococcus mutans – establishment and transmission in infants. Berkowitz RJ. **J Dent Child** 43(3):192–5, May–Jun 76

The reaction of salivary substances with bacteria. Ericson T, et al. **J Oral Pathol** 4(6):307–23, Dec 75

Clinical studies on streptococcal preparation (OK-432) combined with mitomycin-C, 5-FU and cytosine arabinoside in advanced cancer patients. Hattori T, et al. **Jpn J Surg** 5(3):133–8, Sep 75

Letter: Non-group A streptococci in Ghanaian patients with pyoderma. Belcher DW, et al. **Lancet** 2(7943):1032, 22 Nov 75

Primary peritonitis due to group G Streptococcus: A case report. Khan AJ, et al. **Pediatrics** 56(6):1078–9, Dec 75

Arthritogenicity in rats of cell walls from several streptococci staphylococci and two other bacteria. Kohashi O, et al. **Proc Soc Exp Biol Med** 152(2):199–203, Jun 76

Studies in atypical Streptococcus equi. Woolcock JB. **Res Vet Sci** 19(2):115–9, Sep 75

[Morphologic changes in the parenchymal organs and the joints in rabbits inoculated with L-forms of beta-hemolytic streptococci] Toshkov A, et al. **Acta Microbiol Virol Immunol (Sofiia)** 2:34–41, 1975 (Eng. Abstr.) **(Bul)**

[Studies on the relationship of temperent phages and bacteriocines of streptococcus faecium (author's transl)] Krämer J, et al. **Zentralbl Bakteriol [Orig A]** 231(4):421–5, May 75 (Eng. Abstr.) **(Ger)**

[Etiopathogenetic role of Streptococcus] Buogo A. **Minerva Med** 66(80):4293–6, 24 Nov 75 **(Ita)**

[Experimental studies on the culture media used for isolation of enterococci from waters] Cavazzini G, et al. **Nuovi Ann Ig Microbiol** 26(4):247–62, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Genetic transformation of Streptococci] Yoshioka M. **Jpn J Bacteriol** 31(3):357–74, May 76 (144 ref.) **(Jpn)**

[Localization and possible development cycle of mycoplasmas and bacterial L-forms in cell cultures] Neustroeva VV, et al. **Biull Eksp Biol Med** 81(4):439–40, 1976 (Eng. Abstr.) **(Rus)**

[Method of simultaneous detection of lysozyme and bacteriocins produced by enterococci] Sedov VI. **Lab Delo** (12):742–4, 1975 **(Rus)**

[Lactic acid bacteria in the intestinal tract of useful insects] Kvasnikov EI, et al. **Veterinariia** (5):58–9, May 75 **(Rus)**

[Use of a living culture of bacteriocinogenic strains of Streptococcus viridans (Streptobacterin) for the treatment of chronic tonsillitis] Vershigora AE, et al. **Zh Ushn Nos Gorl Bolezn** (2):32–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Triterpenoid carotenoids and related lipids. Triterpenoid carotenoid aldehydes from Streptococcus faecium UNH 564P. Taylor RF, et al. **Biochem J** 153(2):233–9, 1 Feb 76

Inhibitory effect of a streptococcal preparation (OK-432) on induction of splenomegaly by Friend leukemia virus. Suzuki S, et al. **Gann** 66(4):455–6, Aug 75

Newly discovered lipids from streptococci. pp. 255–66. Fischer W.
In: Paoletti R, et al., ed. Lipids. Vol 1: Biochemistry. New York, Raven Press, 1976. QU 85 I5918L 1974.

Properties of a mutant of Streptococcus mutans altered in glucosyltransferase activity. Kuramitsu HK. **Infect Immun** 13(2):345–53, Feb 76

Structural determination of glucans from Streptococcus mutans JC-2 (dental caries bacterium) by carbon-13 nuclear magnetic resonance. Usui T, et al. **J Biochem (Tokyo)** 78(1):225–7, Jul 75

Comparative chemical compositions of cell walls of Streptococcus mutans. Bleiweis AS, et al. **J Dent Res** 55:A103–8, Jan 76

Effect of growth medium on amino acid pools of oral streptococci. Cowman RA, et al. **J Dent Res** 55(3):553, May–Jun 76

Variations in surface polymers of Streptococcus mutans. Ellwood DC, et al. **J Dent Res** 55 Spec No:C42–9, Apr 76

Plasmid DNA satellite bands seen in lysates of Streptococcus mutans that form insoluble extracellular polysaccharides. Higuchi M, et al. **J Dent Res** 55(2):266–71, Mar–Apr 76

Cellular fatty acid composition of Streptococcus mutans and related streptococci. Lambert MA, et al. **J Dent Res** 55:A96–102, Jan 76

[Comparative study of moderate and virulent phages of mesophilous lactic acid streptococci] Mytnik GL, et al. **Prikl Biokhim Mikrobiol** 11(6):819–23, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Similarity of bacteriocins of Streptococcus mutans from mother and infant. Berkowitz RJ, et al. **Arch Oral Biol** 20(11):725–30, Nov 75

Bacteriocin types of Streptococcus mutans in human mouths. Rogers AH. **Arch Oral Biol** 20(12):853–8, Dec 75

The application of miniaturized methods for the characterization of various organisms isolated from the animal gut. Jayne-Williams DJ. **J Appl Bacteriol** 40(2):189–200, Apr 76

Phage typing scheme for group D streptococci isolated from human urogenital tract. Caprioli T, et al. **J Clin Microbiol** 2(4):311–7, Oct 75

Presumptive speciation of Streptococcus bovis and other group D streptococci from human sources by using arginine and pyruvate tests. Gross KC, et al. **J Clin Microbiol** 1(1):54–60, Jan 75

Identification of streptococcal groups A,B,C, and G by slide co-agglutination of antibody-sensitized protein A-containing staphylococci. Hahn G, et al. **J Clin Microbiol** 4(1):99–101, Jul 76

Comparison of three methods for grouping streptococci. Hryniewicz W, et al. **J Clin Microbiol** 4(1):28–31, Jul 76

Identification of streptococci: serogrouping by immunofluorescence. Watson BK, et al. **J Clin Microbiol** 1(3):268–73, Mar 75

Identification of streptococci: use of lysozyme and Streptomyces albus filtrate in the preparation of extracts for Lancefield grouping. Watson BK, et al. **J Clin Microbiol** 1(3):274–8, Mar 75

Streptococcus mutans serotypes: some aspects of their identification, distribution, antigenic shifts, and relationship to caries. Bratthall D, et al. **J Dent Res** 55 Spec No:C15–21, Apr 76 (33 ref.)

Attributes of potential utility in differentiating among 'group H' streptococci or Streptococcus sanguis. Cole RM, et al. **J Dent Res** 55:A142–53, Jan 76

Physiological classification of oral viridans streptococci. Hardie JM, et al. **J Dent Res** 55:A166–76, Jan 76

Strain typing of oral streptococci by the use of bacterial antagonism. Kolstad RA. **J Dent Res** 55:A154–65, Jan 76

Letter: Non-group A beta0hemolytic streptococcal infection. Galland L. **JAMA** 235(20):2190, 17 May 76

Letter: Agglutination grouping of Streptococci. Maxted WR, et al. **Lancet** 02(7987):692–3, 25 Sep 76

Characteristics of Streptococcus milleri and Streptococcus mitior from infected dental root canals. Mejàre B. **Odontol Revy** 26(4):291–308, 1975

[Application of electroimmunodiffusion to the classification of streptococci. Study of 332 strains from hospital origin] Croix JC, et al. **Ann Biol Clin (Paris)** 33(3):149–52, 1975 (Eng. Abstr.) **(Fre)**

[Grouping of streptococci by means of antibodies adsorbed to staphylococcal 'protein A' (author's transl)] Wautelet J, et al. **Ann Microbiol (Paris)** 126(2):251–4, Sep 75 (Eng. Abstr.) **(Fre)**

[Grouping of hemolytic streptococci and typing of group A hemolytic streptococci. I. Grouping of hemolytic streptococci and typing of group A hemolytic streptococci by electrosyneresis] Kobayashi S, et al. **J Jpn Assoc Infect Dis** 49(3):106–12, Mar 75 (Eng. Abstr.) **(Jpn)**

[Comparative date on the tissue culture-biochemical and serological methods of study of streptococci of different serological groups] Ovod AS. **Lab Delo** (4):250–1, 1975 **(Rus)**

CYTOLOGY

Effect of salivary agglutinins of reactions between hydroxyapatite and a serotype c strain of Streptococcus mutans. Magnusson I, et al. **Caries Res** 10(4):273–86, 1976

Relationship of the cell wall composition of group H streptococci and Streptococcus sanguis to their serological properties. Rosan B. **Infect Immun** 13(4):1144–53, Apr 76

Chemotaxis of a motile Streptococcus toward sugars and amino acids. van der Drift C, et al. **J Bacteriol** 124(3):1142–7, Dec 75

Comments on adherence of Streptococcus mutans. McCabe MM. **J Dent Res** 55 Spec No:C226–8, Apr 76

[Streptococcosis in chickens. II. Cultural, morphological and biochemical studies of streptococcal strains] Milanov M, et al. **Vet Med Nauki** 13(3):70–3, 1976 (Eng. Abstr.) **(Bul)**

DRUG EFFECTS

Interspecies transformation of streptomycin resistance in oral streptococci. Davidson JR Jr, et al. **Antimicrob Agents Chemother** 9(1):145–50, Jan 76

Bactericidal activity of combinations of penicillin or clindamycin with gentamicin or streptomycin against species of viridans streptococci. Duperval R, et al. **Antimicrob Agents Chemother** 8(6):673–6, Dec 75

Susceptibility of beta-hemolytic streptococci to 65 antibacterial agents. Finland M, et al. **Antimicrob Agents Chemother** 9(1):11–9, Jan 76

Effects of ampicillin-amikacin and ampicillin-rifampin on enterococci. Iannini PB, et al. **Antimicrob Agents Chemother** 9(3):448–51, Mar 76

Effects of subinhibitory concentrations of antibiotics on cross walls of cocci. Lorian V, et al. **Antimicrob Agents Chemother** 9(6):1043–55, Jun 76

Antibacterial activity of delta9-tetrahydrocannabinol and cannabidiol. Van Klingeren B, et al. **Antonie van Leeuwenhoek** 42(1–2):9–12, 1976

In vitro antibacterial activity of actinobolin analogues against cariogenic streptococci and other oral bacteria. Hunt DE, et al. **Arch Oral Biol** 20(9):581–5, Sep 75

Letter: The dentist and prevention of infective endocarditis. Watts KD. **Br Dent J** 139(7):262, 7 Oct 75

Microbiologic assay for cytosine arabinoside (NSC-63878): the use of a mutant of streptococcus faecium var. durans resistant to methotrexate (NSC-740) and 6-mercaptopurine (NSC-755). Mehta BM, et al. **Cancer Chemother Rep** 59(3):515–22, May–Jun 75

Structure-activity studies on inhibition of Streptococcus mutans by long-chain aliphatic diamines. Bass GE, et al. **J Dent Res** 54(5):972–7, Sep–Oct 75

The effects of chemotherapeutics on the species streptococcus in vitro. Výmola F, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):383–8, 1975

Streptococcus faecalis and Streptococcus faecium in infected dental root canals at filling and their susceptibility to azidocillin and some comparable antibiotics. Mejàre B. **Odontol Revy** 26(3):193–204, 1975

Effectiveness of carbenicillin – aminoglycoside and of cephalothin-aminoglycoside combinations against enterococci in vitro. Klastersky J, et al. **Pathol Biol (Paris)** 23(5):345–8, May 75

Resistance of Gram-positive bacteria to chloramphenicol/thiamphenicol: occurrence and genetic basis. Kayser FH, et al. **Postgrad Med J** 50 Suppl 5:79–83, Oct 74

Morphological changes induced by wall inhibitors in pyogenic cocci. Bisaillon JG, et al. **Rev Can Biol** 32(2):69–80, Jun 73

Effect of a fluoride-containing chlorhexidine gel on bacteria in human plaque. Emilson CG, et al. **Scand J Dent Res** 84(2):56–62, Mar 76

Physiological effects of sucrose substitutes and artificial sweeteners on growth pattern and acid production of glucose-grown Streptococcus mutans strains in vitro. Linke HA, et al. **Z Naturforsch [C]** 31(5–6):245–51, May–Jun 76

Bacteriophage P13234mo-mediated intra- and intergroup transduction of antibiotic resistance among streptococci. Malke H, et al. **Zentralbl Bakteriol [Orig A]** 233(1):24–34, Sep 75

[Studies on the in vitro effects of cephalothin and gentamicin, alone and in combination, on proteus mirabilis and enterococci (author's transl)] Lode H. **Infection** 3(2):83–8, 1975 (Eng. Abstr.) **(Ger)**

[The behavior of oral microorganisms after application of fluoride containing gels] Morosowa LW, et al. **Zahn Mund Kieferheilkd** 63(4):369–73, 1975 **(Ger)**

[Bacteriological studies on talampicillin hydrochloride] Yano K, et al. **J Jpn Assoc Infect Dis** 49(11):697–707, Jul 75 (Eng.

Abstr.) **(Jpn)**

[Mechanism of chloramphenicol resistance of Streptococcus] Nitahara Y, et al. **Jpn J Bacteriol** 30(1):105, Jan 75 **(Jpn)**

[Sensitivity of Staphylococcus and Streptococcus strains to usnic acid as compared to their sensitivity to antibiotics] Figurska EH, et al. **Med Dosw Mikrobiol** 28(1):9–12, 1976 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

alpha–D–Glucopyranosyl fluoride as a D–glucopyranosyl donor for a glycosyltransferase complex from Streptococcus mutans FA1. Figures WR, et al. **Carbohydr Res** 48(2):245–53, Jun 76

Invertase in cell–free culture fluids of Streptococcus mutans strain SL–1. Osborne RM, et al. **Experientia** 31(12):1399–40, 15 Dec 75

Streptococcus mutans dextransucrase: mode of interaction with high–molecular–weight dextran and role in cellular aggregation. Germaine GR, et al. **Infect Immun** 13(2):365–72, Feb 76

Regulation and extracellular glucosyltransferase production and the relationship between extracellular and cell–associated activities in Streptococcus mutans. Janda WM, et al. **Infect Immun** 14(1):191–202, Jul 76

Characterization of extracellular glucosyltransferase activity of Steptococcus mutans. Kuramitsu HK. **Infect Immun** 12(4):738–49, Oct 75

Production of elevated levels of dextransucrase by a mutant of Streptococcus mutans. Schachtele CF, et al. **Infect Immun** 12(4):934–7, Oct 75

Streptococcus mutans dextransucrase: availability of disaggregated enzyme after growth in a chemically defined medium. Schachtele CF, et al. **Infect Immun** 13(5):1522–4, May 76

Influence of secretory immunoglobulin A and purified secretory component on dextran–sucrase activity of Streptococcus mutans. Cole JS 3d, et al. **J Bacteriol** 127(3):1595–6, Sep 76

Activator specificity of pyruvate kinase from lactic streptococci. Thomas TD. **J Bacteriol** 125(3):1240–2, Mar 76

Glucose–6–phosphate–dependent pyruvate kinase in Streptococcus mutans. Yamada T, et al. **J Bacteriol** 124(1):562–3, Oct 75

Primary structure of streptococcal proteinase. I Isolation, composition, and amino acid sequences of the tryptic and chymotryptic peptides of cyanogen bromide fragments 1 to 4. Kortt AA, et al. **J Biol Chem** 241(7):1941–7, 10 Apr 76

Primary structure of streptococcal proteinase. II. Isolation, composition, and amino acid sequences of the tryptic and chymotryptic peptides of cyanogen bromide fragment 5. Tai JY, et al. **J Biol Chem** 241(7):1948–54, 10 Apr 76

Primary structure of streptococcal proteinase. III. Isolation of cyanogen bromide peptides: complete covalent structure of the polypeptide chain. Tai JY, et al. **J Biol Chem** 241(7):1955–9, 10 Apr 76

Streptoccus mutans dextransucrase: purification, properties, and requirement for primer dextran. Chludzinski AM, et al. **J Dent Res** 55 Spec No:C75–86, Apr 76

Multicomponent nature of the glucosyltransferase system of Streptococcus mutans. Ciardi JE, et al. **J Dent Res** 55 Spec No:C87–96, Apr 76

Acrylamide gel electrophoretic studies of extracellular sucrose–metabolizing enzymes of Streptococcus mutans. Osborne RM, et al. **J Dent Res** 55(1):77–84, Jan–Feb 76

Urease activity in the rumen of sheep and the isolation of ureolytic bacteria. Cook AR. **J Gen Microbiol** 92(1):32–48, Jan 76

The elimination of urease activity in Streptococcus faecium as evidence for plasmid–coded urease. Cook AR. **J Gen Microbiol** 92(1):49–58, Jan 76

[Inhibition effects of extracellular glucosyltransferase from Streptococcus mutans] Felgenhauer B. **Dtsch Zahnaerztl Z** 31(2):192–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Synthesis of a fragment of the active center of the streptococcal proteinase (EC 3.4.22.10), VI (author's transl)] Raschig A, et al. **Z Naturforsch [C]** 30(6):739–44, Nov–Dec 75 (Eng. Abstr.) **(Ger)**

[Synthesis of a fragment of the active center of the streptococcal proteinase (EC 3.4.22.10), VIII (author's transl)] Raschig A, et al. **Z Naturforsch [C]** 30(6):752–5, Nov–Dec 75 (Eng. Abstr.) **(Ger)**

[Synthesis of a fragment of the active center of the streptococcal proteinase (EC 3.4.22.10), VII (author's transl)] Raschig A, et al. **Z Naturforsch [C]** 30(6):745–51, Nov–Dec 75 (Eng. Abstr.) **(Ger)**

[Enterococci in caries dentin and their hyaluronidase activity (author's transl)] Miyase H. **J Jpn Stomatol Soc** 42(4):343–51, Dec 75 **(Jpn)**

GROWTH & DEVELOPMENT

Comparative studies on optimal conditions for Enterococcus demonstration. Takács J, et al. **Acta Vet Acad Sci Hung** 24(4):413–9, 1974

Lysogeny in Streptococcus bovis. Iverson WG, et al. **Can J Microbiol** 22(6):853–7, Jun 76

Analysis of growth rate in sucrose–supplemented cultures of Streptococcus mutans. Daneo–Moore L, et al. **Infect Immun** 12(5):1195–205, Nov 75

Unbalanced growth and macromolecular synthesis in Streptococcus mutans FA–1. Mattingly SJ, et al. **Infect Immun** 13(3):941–8, Mar 76

Model system for studying colonization and growth of bacteria on a hydroxyapatite surface. Sudo SZ, et al. **Infect Immun** 12(3):576–85, Sep 75

Growth of Streptococcus mutans on various selective media. Emilson CG, et al. **J Clin Microbiol** 4(1):95–8, Jul 76

Inhibition of Streptococcus mutans strains by different mitis–salivarius agar preparations. Staat RH. **J Clin Microbiol** 3(3):378–80, Mar 76

Growth and morphology of Streptococcus bovis and of mixed rumen bacteria in the presence of aflatoxin B1, in vitro. Mathur CF, et al. **J Dairy Sci** 59(3):455–8, Mar 76

Potassium requirement of oral streptococci. Cowman RA, et al. **J Dent Res** 55(4):709, Jul–Aug 76

Studies of balanced and unblaanced growth of Streptococcus mutans. Shockman GD, et al. **J Dent Res** 55:A10–8, Jan 76

The faecal flora in ulcerative colitis. van der Wiel–Korstanje JA, et al. **J Med Microbiol** 8(4):491–501, Nov 75

Observations on group–F streptococci from human sources. Wort AJ. **J Med Microbiol** 8(3):455–7, Aug 75

IMMUNOLOGY

Interaction of streptococci with the Fc fragment of IgG. Christensen P, et al. **Acta Pathol Microbiol Scand [C]** 84(2):73–6, Apr 76

Comparison of cellular and humoral immunity against streptococcal and adult human oral mucosa antigens in relation to exacerbation or recurrent aphthous stomatitis. Donatsky O. **Acta Pathol Microbiol Scand [C]** 84(4):270–82, Aug 76

Uric acid, joint morbidity, and streptococcal antibodies in Maori and European teenagers. Rotorua Lakes study 3. Stanhope JM, et al. **Ann Rheum Dis** 34(4):359–63, Aug 75

Proceedings: Comparison of Streptozyme test and other streptococcal antibodies in acute rheumatic fever. Biundo JJ Jr, et al. **Arthritis Rheum** 18(5):527–8, Sep–Oct 75

Immunity to Streptococcus equi. Woolcock JB. **Aust Vet J** 51(12):554–9, Dec 75

Enhancement of host immune response to cell surface antigens by a preparation of Streptococcus hemolyticus. Aoki T, et al. **Bibl Haematol** (40):227–80, 1975

Immunochemotherapy in human lung cancer using the streptococcal agent OK–432. Kimura I, et al. **Cancer** 37(5):2201–3, May 76

Effect of slivary agglutinins on bacterial colonization of tooth surfaces. Magnusson I, et al. **Caries Res** 10(2):113–22, 1976

A hitherto unknown streptococcal antigen and its probable relation to acute poststreptococcal glomerulonephritis. Lange K, et al. **Clin Nephrol** 5(5):207–15, May 76

A spectrophotometric procedure for quantitation of antibody directed to bacterial antigens. Iacono VJ, et al. **Immunochemistry** 13(3):235–43, Mar 76

Serum glucosyltransferase–inhibiting antibodies and dental caries in rhesus monkeys immunized against Streptococcus mutans. Russell MW, et al. **Immunology** 30(5):619–27, May 76

Degradation and survival of bacteria in sites of allergic inflammation. pp. 43–59. Ginsburg I, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (71 ref.)

Demonstration of human salivary antibodies by latex spheres as immunologic markers. pp. 67–74. Riviere GR, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Cross–reactions between pneumococcal and streptococcal polysaccharides. pp. 24–44. Austrian R.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.

Comparison of streptozyme test with ASO in rheumatic fever. Ganguly NK, et al. **Indian J Med Res** 63(7):1001–5, Jul 75

Interactions of antisera, sera, and oral fluid with glucosyltransferases. Burckhardt JJ, et al. **Infect Immun** 13(4):1009–22, Apr 76

Cross–reactions of Streptococcus mutans due to cell wall teichoic acid. Chorpenning FW, et al. **Infect Immun** 12(3):586–91, Sep 75

Chemical and immunological properties of the type f polysaccharide antigen of Streptococcus mutans. Hamada S, et al. **Infect Immun** 14(1):203–11, Jul 76

Purification and immunochemical characterization of type e polysaccharide antigen of Streptococcus mutans. Hamada S, et al. **Infect Immun** 14(1):68–76, Jul 76

Purification of group C streptococcal extracellular antigens detected with naturally occurring human antibodies: isolation of streptokinase and two previously undescribed antigens. Kiefer D, et al. **Infect Immun** 13(2):501–12, Feb 76

Formation of cross–reacting antibodies against cellular and extracellular lipoteichoic acid of Streptococcus mutans BHT. Knox KW, et al. **Infect Immun** 13(3):647–52, Mar 76

Serological purification of polysaccharide antigens from Streptococcus mutans serotypes a and d: characterization of multiple antigenic determinants. Linzer R, et al. **Infect Immun** 12(4):791–8, Oct 75

Characterization of an anti–glucosyltransferase serum specific for insoluble glucan synthesis by Streptococcus mutans. Linzer R, et al. **Infect Immun** 13(2):494–500, Feb 76

Relationship between cell–bound dextransucrase and the agglutination of Streptococcus mutans. McCabe MM, et al. **Infect Immun** 12(3):512–20, Sep 75

Diethylaminoethyl–cellulose–bacterial cell immunoadsorbent columns: preparation of serotype–specific globulin and immunofluorescent conjugates for Streptococcus mutans serotypes a and d. McKinney RM, et al. **Infect Immun** 13(4):1161–9, Apr 76

Effective immunity to dental caries: protection of malnourished rats by local injection of Streptococcus mutans. Michalek SM, et al. **Infect Immun** 13(3):782–9, Mar 76

Production and properties of an extracellular bacteriocin from Streptococcus mutans bacteriocidal for group A and other streptococci. Paul D, et al. **Infect Immun** 12(6):1375–85, Dec 75

Antigens of Streptococcus mutans: characterization of a polysaccharide antigen from walls of strain GS–5. Wetherell JR Jr, et al. **Infect Immun** 12(6):1341–8, Dec 75

Purification and serological characterization of a type–specific antigen of Streptococcus equisimilis. Woods RD, et al. **Infect Immun** 12(4):881–7, Oct 75

Common and unique antigens of Streptococcus mutants. Bratthall D, et al. **J Dent Res** 55:A60–4, Jan 76

Immunization of Macaca fascicularis (Macaca irus) monkeys with Streptococcus mutans: specificity of antibody responses in saliva. Emmings FG, et al. **J Dent Res** 55 Spec No:C181–92, Apr 76

Effects of specific immunization on dental caries in hamsters. Gaffar A. **J Dent Res** 55 Spec No:C221–3, Apr 76

Purification, characterization, and immunogenicity of cell–associated glucan from Streptococcus mutans. Genco RJ, et al. **J Dent Res** 55 Spec No:C115–20, Apr 76

Some serological cross–reactions between Streptococcus mutans, S sanguis, and other dental plaque streptococci. Hardie JM, et al. **J Dent Res** 55 Spec No:C50–8, Apr 76

Failure of rabbit anti–Streptococcus mutans serum to penetrate in vitro plaque. Jenzano JW, et al. **J Dent Res** 54(4):829–35, Jul–Aug 75

Immunologic basis for vaccination against dental caries in rhesus monkeys. Lehner T, et al. **J Dent Res** 55 Spec No:C166–80, Apr 76

Chemical composition of Streptococcus mutans type c antigen: comparison to type a, b, and d antigens. Linzer R, et al. **J Dent Res** 55:A109–15, Jan 76

Improvement in specificity of immunofluorescent reagents for identifying Streptococcus mutans by DEAE–cellulose–bacterial cell column immunosorption methods. Mc Kinney RM, et al. **J Dent Res** 55:A50–7, Jan 76

Effective immunity to dental caries: studies of active and passive immunity to Streptococcus mutans in malnourished rats. McGhee JR, et al. **J Dent Res** 55 Spec No:C206–14, Apr 76

Optimum immunization of rabbits for Streptococcus mutans antiserum and conjugate production and studies of batch immunoabsorption methods. Pittman B, et al. **J Dent Res** 55:A65–75, Jan 76

Preparation of antiserums for use in the fluorescent antibody identification of certain plaque bacteria. Thomson LA. **J Dent Res** 55:A28–32, Jan 76

Antigens in Streptococcus mutans cross reactive with human heart muscle. Van de Rijn I, et al. **J Dent Res** 55 Spec No:C59–64, Apr 76

Lymphocyte transformation using streptococcal antigens and serum antistreptokinase titers in Behçet disease. Yamada M, et al. **J Dermatol (Tokyo)** 2(4):179–85, Dec 75

Nonspecific complement activation by streptococcal structures. II. Properdin–independent initiation of the alternate pathway. Tauber JW, et al. **J Exp Med** 143(6):1352–66, 1 Jun 76

Nonspecific complement activation by streptococcal structures. I. Re–evaluation of HLA cytotoxicity inhibition. Tauber JW, et al. **J Exp Med** 143(6):1341–51, 1 Jun 76

Spread of Streptococcus pneumoniae in families. II. Relation of transfer of S. pneumoniae to incidence of colds and serum antibody. Gwaltney JM Jr, et al. **J Infect Dis** 132(1):62–8, Jul 75

Immunological heterogeneity among the M–associated protein antigens of group–A streptococci. Widdowson JP, et al. **J Med Microbiol** 9(1):73–88, Feb 76

Ingestion of Streptococcus mutans induces secretory immunoglobulin A and caries immunity. Michalek SM, et al. **Science** 192(4245):1238–40, 18 Jun 76

Lipoproteinase of group A streptococci and the antibodies in human sera. Iontova IM, et al. **Zentralbl Bakteriol [Orig A]** 233(4):452–63, Dec 75

[Phagocytosis of group A haemolytic streptococci by mouse macrophages. Comparison of preliminary infection of animals and degree of virulence of the strain (author's transl)] Wahl R, et al. **Z Immunitaetsforsch** 148(4):273–84, Feb 75 (Eng. Abstr.) **(Fre)**

[Demonstration of cellular antibodies against streptococcal antigens in children (author's transl)] Knöll H, et al. **Z Immunitaetsforsch** 151(2):143–52, Apr 76 (Eng. Abstr.) **(Ger)**

[Cross reactive antigens between hemolytic streptococci and cardiac muscle. II. Communication: detection of cross reacting antibodies in human sera with high anti–streptolysin–O–titers (author's transl)] Winterhoff D, et al. **Z Immunitaetsforsch** 144(2):167–90, Sep 72 (Eng.

Abstr.) (Ger)
[Immunological aspects of rheumatic fever] Fantini F. **Minerva Med** 66(80):4294–8, 24 Nov 75 (Ita)
[Characterization of heat-stable antigen extracted from group C and G hemolytic streptococci and their distribution among strains] Kodama H, et al. **J Jpn Assoc Infect Dis** 49(3):98–105, Mar 75 (Eng. Abstr.) (Jpn)
[Reaction mechanism in streptozyme test: its correlation with the index of multiple antibody titers of antistreptolysin O (ASO), anti-streptokinase(ASK) and anti-hyaluronidase(AH)] Oda T. **J Jpn Assoc Infect Dis** 49(9):350–7, Sep 75 (Eng. Abstr.) (Jpn)
[Streptococcal infection and its sequela. Trial production of IgE-like antibody in mice against the cell components of Streptococcus] Oguni H, et al. **Jpn J Bacteriol** 30(1):216, Jan 75 (Jpn)
[Sensitization to streptococcal antigens in animals with experimental endocarditis after heparin administration] Tydel'skaia IL, et al. **Vopr Revm** (2):20–3, Apr–Jun 75 (Eng. Abstr.) (Rus)
[Relation between cutaneous reactions to chemical fractions of Staphylococcus and Streptococcus and the level of certain immunologic indicators in patients with chronic tonsillitis] Chulaevskaia LK. **Zh Ushn Nos Gorl Bolezn** (2):25–32, Mar–Apr 75 (Eng. Abstr.) (Rus)
[Nasal polyposis and certain aspects of immunospecific treatment] Mitrokhina NM, et al. **Zh Ushn Nos Gorl Bolezn** (2):42–6, Mar–Apr 75 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Transient bacteremia in pediatric patients after dental extraction. Speck WT, et al. **Am J Dis Child** 130(4):406–7, Apr 76
Extrarespiratory non-group A, non-group D isolates of streptococci. Cunniff H, et al. **Am J Med Technol** 42(6):195–200, Jun 76
Streptococci isolated from bovine intramammary infections. McDonald TJ, et al. **Am J Vet Res** 37(4):377–81, Apr 76
Streptococcus milleri (Guthof); an indigenous organism of the human oral cavity. Mejare B, et al. **Arch Oral Biol** 20(11):757–62, Nov 75
Streptococcus mutans in the mouths of children with congenital sucrase deficiency. van Houte J, et al. **Arch Oral Biol** 20(11):771–3, Nov 75
Letter: Streptococcus zooepidemicus and infertility in horses. Hughes KL. **Aust Vet J** 51(5):281–2, May 75
The carriage of beta-haemolytic streptococci by healthy pigs. Jones JE. **Br Vet J** 132(3):276–83, May–Jun 76
A review of the microbiological techniques for the isolation and identification of streptococci. Facklam RR. **CRC Crit Rev Clin Lab Sci** 6(4):287–317, Mar 76
On the occurrence of group B streptococci in patients with gonococcal infection. pp. 177–81. Christensen KK, et al.

In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Prevalence and localization of Streptococcus mutans in infants and children. Catalanotto FA, et al. **J Am Dent Assoc** 91(3):606–9, Sep 75
Partial elimination of Streptococcus mutans from selected tooth surfaces after restoration of carious lesions and SnF2 prophylaxis. Keene HJ, et al. **J Am Dent Assoc** 93(2):328–33, Aug 76
Increased selectivity of Mitis-Salivarius agar containing polymyxin. Fitzgerald RF, et al. **J Clin Microbiol** 1(2):239–40, Feb 75
Evaluation of the Bacti-Lab streptococci culture systems for selective recovery and identification of group A streptococci. Freeburg PW, et al. **J Clin Microbiol** 3(4):443–8, Apr 76
Rapid hippurate hydrolysis method for presumptive identification of group B streptococci. Hwang MN, et al. **J Clin Microbiol** 1(1):114–5, Jan 75
Differential recovery of Streptococcus mutans from various mitis-salivarius agar preparations. Liljemark WF, et al. **J Clin Microbiol** 4(1):108–9, Jul 76
Infection with minute-colony-forming beta-haemolytic streptococci. Poole PM, et al. **J Clin Pathol** 29(8):740–5, Aug 76
Relationship between volume and streptococcal population in dental plaque. Charlton G, et al. **J Dent Res** 54(5):1094, Sep–Oct 75
Streptococci of the oral cavity other than Streptococcus mutans: an evaluation of some present knowledge. Fitzgerald RJ. **J Dent Res** 55:A177–81, Jan 76
Identification and quantitation of Streptococcus mutans by the fluorescent antibody technique. Jablon JM, et al. **J Dent Res** 55:A76–9, Jan 76
Detection of Streptococcus mutans in plaque samples by the direct fluorescent antibody test. Loesche WJ, et al. **J Dent Res** 55:A87–93, Jan 76
Streptococcus sanguis: a model in the application in immunochemical analysis for the in situ localization of bacteria in dental plaque. Rosan B, et al. **J Dent Res** 55:A124–41, Jan 76
Application of fluorescent antibody methods in the analysis of plaque samples. Thomson LA, et al. **J Dent Res** 55:A80–6, Jan 76
Enumeration of beta-haemolytic streptococci on normal skin by direct agar contact. Brown J, et al. **J Med Microbiol** 8(4):503–11, Nov 75
Streptococci and aerococci associated with systemic infection in man. Parker MT, et al. **J Med Microbiol** 9(3):275–302, Aug 76
Radiometric identification of Streptococcus Group A in throat cultures. Larson SM, et al. **J Nucl Med** 16(11):1085–6, Nov 75
Editorial: The Whipple Riddle. Lei JT. **JAMA** 235(11):1148, 15 Mar 76
Enterococcal endocarditis in heroin addicts. Reiner NE, et al. **JAMA** 235(17):1861–3, 26 Apr 76
Epidemiological survey of Streptococcus mutans among Japanese children. Identification and serological typing of the isolated strains. Hamada S, et al. **Jpn J Microbiol** 20(1):33–44, Feb 76
Methods for the isolation of faecal streptococci. Barnes EM. **Lab Pract** 25(3):145–7, Mar 76
Polymicrobial bacteremia in obstetric patients. Monif GR, et al. **Obstet Gynecol** 48(2):167–9, AUG 76
Viral and epidemiological findings in MRC/PHLS surveys of respiratory disease in hospital and general practice. Poole PM, et al. **Postgrad Med J** 49(577):778–87, Nov 73
A method for studying adherence of oral streptococci to solid surfaces. Olsson J, et al. **Scand J Dent Res** 84(1):20–8, Jan 76
Streptococcus canis: an isolate from a canine uterus. Olson PS. **Vet Med Small Anim Clin** 70(8):933–4, Aug 75
[Culture media for isolation and quantitative determination of enterococci in dry milk] Aleksieva V. **Vet Med Nauki** 11(9):31–8, 1974 (Eng. Abstr.) (Bul)
[Study of enterococci in milk] Gogov I. **Vet Med Nauki** 12(8):73–4, 1975 (Eng. Abstr.) (Bul)
[Inspection of the bovine udder (author's transl)] Nooitgedagt AJ. **Tijdschr Diergeneeskd** 101(10):537–42, 15 May 76 (Eng. Abstr.) (Dut)
[The occurrence of Streptococcus mutans variants in man and laboratory animals] Gehring F, et al. **Dtsch Zahnaerztl Z** 31(1):18–21, Jan 76 (Eng. Abstr.) (Ger)
[Experimental studies on the culture media used for isolation of enterococci from waters] Cavazzini G, et al. **Nuovi Ann Ig Microbiol** 26(4):247–62, Jul–Aug 75 (Eng. Abstr.) (Ita)
[A review of methods of isolation and identification of Streptococcus mutans from dental plaque] Krzemiński Z. **Czas Stomatol** 29(4):301–8, Apr 76 (Pol)
[Septicemia following tonsillectomy] Zalewski P. **Otolaryngol Pol** 29(6):645–7, 1975 (Pol)
[Streptococcus mutans and bacterial endocarditis] Krzemiński Z. **Pol Tyg Lek** 31(1):33–5, 5 Jan 76 (18 ref.) (Pol)
[Isolation of beta-hemolytic streptococci from wounds and inflammation foci under condition of daily work in the laboratories of clinical bacteriology] Kaplan AE, et al. **Lab Delo** (4):248–50, 1975 (Rus)
[Sanitary-index significance of enterococci in the study of household articles] Grigor'eva LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):114–6, Feb 76 (Eng. Abstr.) (Rus)
[Determination of the group of beta-hemolytic streptococci using immunoprecipitation electrophoresis] Nanuševic O, et al. **Vojnosanit Pregl** 33(3):179–80, May–Jun 76 (Ser)
[Simplification of methods for the study of beta hemolytic Streptococcus in faryngeal exudate] Ruiz Castañeda M. **Bol Med Hosp Infant Mex** 33(2):481–5, Mar–Apr 76 (Eng. Abstr.) (Spa)
[Identification of the Streptococcus genus] Ales Reinlein JM, et al. **Rev Clin Esp** 140(4):321–5, 29 Feb 76 (Eng. Abstr.) (Spa)

METABOLISM

Binding of the Fluorescent probes 1-anilinonaphthalene-8-sulfonate and N-phenyl-1-naphthylamine to bacteria. Mäntsälä. **Acta Chem Scand [B]** 29(7):733–40, 1975
Esculin hydrolysis by Streptococcus dysgalactiae. McDonald JS, et al. **Am J Vet Res** 37(9):1115–7, Sep 76
Production of bacteriocins in a liquid medium by Streptococcus mutans. Delisle AL. **Antimicrob Agents Chemother** 8(6):707–12, Dec 75
Hot-loop test for the determination of carbon dioxide production from glucose by lactic acid bacteria. Sperber WH, et al. **Appl Environ Microbiol** 31(6):990–1, Jun 76
Production and properties of bacteriocins (mutacins) from Streptococcus mutans. Hamada S, et al. **Arch Oral Biol** 20(10):641–8, Oct 75
Glycolytic intermediates in Streptococcus mutans PK 1. Iwami Y, et al. **Arch Oral Biol** 20(10):695–7, Oct 75
Studies on the bacterial components which bind Streptococcus sanguis and Streptococcus mutans to hydroxyapatite. Liljemark WF, et al. **Arch Oral Biol** 20(9):609–15, Sep 75
Effect of pH on the biosynthesis of levan and on the growth of Streptococcus salivarius. Long LW, et al. **Arch Oral Biol** 20(8):503–7, Aug 75
The relationship between sugar metabolism and potassium translocation by caries-inducing streptococci and the inhibitory role of fluoride. Luoma H, et al. **Arch Oral Biol** 20(11):749–55, Nov 75
Extracellular glucans produced by oral streptococci. Nisizawa T, et al. **Arch Oral Biol** 21(3):207–13, 1976
pH changes during culture of human dental plaque streptococci on mitis-salivarius agar. Onose H, et al. **Arch Oral Biol** 21(5):291–6, 1976
Bacteriocinogeny and the properties of some bacteriocins of Streptococcus mutans. Rogers AH. **Arch Oral Biol** 21(2):99–104, 1976
Dextran degrading bacteria in human oral cavity and their activity against insoluble glucan from Streptococcus mutants. Matsuda Y. **Bull Tokyo Med Dent Univ** 23(1):27–40, Mar 76
Frothy feedlot bloat in cattle: production of extracellular polysaccharides and development of viscosity in cultures of Streptococcus bovis. Cheng KJ, et al. **Can J Microbiol** 22(4):450–9, Apr 76
Further studies on extracellular glucans synthesized by glucosyltransferases of oral streptococci. Newbrun E, et al. **Caries Res** 10(4):255–72, 1976
Dextran-mediated interbacterial aggregation between dextran-synthesizing streptococci and Actinomyces viscosus. Bourgeau G, et al. **Infect Immun** 13(4):1228–34, Apr 76
Activity of two Streptococcus mutans bacteriocins in the presence of saliva, levan, and dextran. Delisle AL. **Infect Immun** 13(2):619–26, Feb 76
Variation in internal polysaccharide synthesis among Streptococcus mutans strains. Freedman ML, et al. **Infect Immun** 12(3):475–9, Sep 75
Effect of dextranase on the extracellular polysaccharide synthesis of Streptococcus mutans; chemical and scanning electron microscopy studies. Hamada S, et al. **Infect Immun** 12(6):1415–25, Dec 75
Formation of extracellular lipoteichoic acid by oral streptococci and lactobacilli. Markham JL, et al. **Infect Immun** 12(2):378–86, Aug 75
Dextranases from oral bacteria: inhibition of water-insoluble glucan production and adherence to smooth surfaces by Streptococcus mutans. Schachtele CF, et al. **Infect Immun** 12(2):309–17, Aug 75
Isolation and purification of Flavobacterium alpha-1,3-glucanase-hydrolyzing, insoluble, sticky glucan of Streptococcus mutans. Ebisu S, et al. **J Bacteriol** 124(3):1489–501, Dec 75
Mannitol transport in Streptococcus mutans. Maryanski JH, et al. **J Bacteriol** 124(3):1475–81, Dec 75
Metabolism of the reserve polysaccharide of Streptococcus mitior (mitis): is there a second alpha-1,4-glucan phosphorylase? Pulkownik A, et al. **J Bacteriol** 127(1):281–90, Jul 76
Regulation of lactate dehydrogenase and change of fermentation products in streptococci. Yamada T, et al. **J Bacteriol** 124(1):55–61, Oct 75
Structural differences in fructans elaborated by streptococcus mutans and Strep. salivarius. Ebisu S, et al. **J Biochem (Tokyo)** 78(5):879–87, Nov 75
Analysis of acetoin and diacetyl in bacterial culture supernatants by gas-liquid chromatography. Lee SM, et al. **J Clin Microbiol** 2(3):162–4, Sep 75
Cytochemical observations on the extracellular carbohydrate produced by Streptococcus cremoris. Brooker BE. **J Dairy Res** 43(2):283–90, Jun 76
Action of Streptococcus mutans on fluorotic dental enamel. Abramovich A, et al. **J Dent Res** 55(2):315, Mar–Apr 76
Inhibition of glucan and levan synthesis and neuraminidase activity of oral streptococci by monkey antiserums. Bahn AN, et al. **J Dent Res** 55 Spec No:C134–8, Apr 76
Quantitative studies of in vitro inhibition of Streptococcus mutans plaque formation by organic amines. Bass GE, et al. **J Dent Res** 54(5):968–71, Sep–Oct 75
Caseinolytic and glyoprotein hydrolase activity of Streptococcus mutans. Cowman RA, et al. **J Dent Res** 55(3):391–9, May–Jun 76
Effect of trace elements on dissolution of hydroxyapatite by cariogenic streptococci. Herbison RJ, et al. **J Dent Res** 54(6):1107–14, Nov–Dec 75
Investigation of possible solvents for extracellular polysaccharides from Streptococcus mutans and Streptococcus sanguis. Lamberts BL, et al. **J Dent Res** 54(4):857–66, Jul–Aug 75
Distribution of cytochrome-like respiration in streptococci. Ritchey TW, et al. **J Gen Microbiol** 93(2):195–203, Apr 76
The influence of culture conditions on carotenogenesis in Streptococcus faecium UNH564P. Taylor RF, et al. **J Gen Microbiol** 92(2):325–34, Feb 76
Isolation and properties of a streptococcal hemolysin formed in the presence of colistin. Fujita M, et al. **Jpn J Exp Med** 45(6):457–66, Dec 75
[The cariogenicity of xylitol-decomposing bacteria in a gnotobiotic study] Karle EJ, et al. **Dtsch Zahnaerztl Z** 31(1):22–5, Jan 76 (Eng. Abstr.) (Ger)
[Comparative studies of dental plawue in students with and without dental caries. I. Enzymatic determination of the capacity to synthesize lactic acid in an aerobic medium] Ranke E, et al. **Dtsch Zahnaerztl Z** 31(1):26–9, Jan 76 (Eng. Abstr.) (Ger)
[Effect of dextranse on production of extracellular glucan in Streptococcus mutans strain PK1 (author's transl)] Kamide M, et al. **J Jpn Stomatol Soc** 42(3):252–6, Sep 75 (Jpn)
[Changes in the intracellular pool of free amino acids of Streptococcus lactis under different cultivation conditions] Egorov NS, et al. **Prikl Biokhim Mikrobiol** 11(6):813–8, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Influence of products of thermophilous methane fermentation on the mixed lactic acid bacterial culture] Midhlin ED, et al. **Prikl Biokhim Mikrobiol** 11(4):506–14,

Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Free amino acids in milk containing different amounts of dry substances after its fermentation by lactic acid Streptococci] Silantyeva LA, et al. **Prikl Biokhim Mikrobiol** 11(3):471–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Inoculability and bacteriocinogenic activity of enterococci] Iakimchuk MM, et al. **Mikrobiol Zh** 37(1):62–6, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

PATHOGENICITY

Adherence of serotype e Streptococcus mutans and the inhibitory effect of Lancefield group E and S mutans type e antiserum. Hamada S, et al. **J Dent Res** 55 Spec No:C65–74, Apr 76

Clinical significance of Lancefield groups L–T streptococci isolated from blood and cerebrospinal fluid. Broome CV, et al. **J Infect Dis** 133(4):382–9, Apr 76

Pharyngitis due to group C hemolytic streptococci in children. Benjamin JT, et al. **J Pediatr** 89(2):254–6, Aug 76

Virulence of Streptococcus mutans: biochemical and pathogenic characteristics of mutant isolates. Michalek SM, et al. **Proc Soc Exp Biol Med** 150(2):498–502, Nov 75

[Toxin B and A production by beta-hemolytic streptococci isolated from scarlet fever patients] Cherkasskaia RS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):53–7, May 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Affinity for hydroxyapatite of salivary substances inducing aggregation of oral streptococci. Ericson T, et al. **Caries Res** 10(1):8–18, 1976

Establishment and symbiosis of Actinomyces viscosus, Streptococcus sanguis and Streptococcus mutans in germ-free Osborne-Mendel rats. Mikx FH, et al. **Caries Res** 10(2):123–32, 1976

Effects of antibodies on adherence and cell-associated glucan production by Streptococcus mutans cells. Evans RT, et al. **J Dent Res** 55 Spec No:C127–33, Apr 76

Inhibition of streptococcal adherence by human oral secretions and its possible relationship to dental caries. Olson GA. **J Dent Res** 55 Spec No:C121–6, Apr 76

Studies of the mechanism of sucrose-associated colonization of Streptococcus mutans on teeth of conventional rats. Van Houte J, et al. **J Dent Res** 55(2):216–22, Mar–Apr 76

Role of sucrose in colonization of Streptococcus mutans in conventional Sprague–Dawley rats. Van Houte J, et al. **J Dent Res** 55(2):202–15, Mar–Apr 76

Continuous culture studies on the growth and physiology of Streptococcus mutans. White GE, et al. **J Dent Res** 55(2):239–43, Mar–Apr 76

Surface potential and adherence of oral streptococci to solid surfaces. Olsson J, et al. **Scand J Dent Res** 84(4):240–2, Jul 76

[Differentiation of the causative agent of strangles from Streptococcus pyogenes] Moskalik RS. **Veterinariia** (4):102–3, Apr 75 **(Rus)**

ULTRASTRUCTURE

Krämer J, et al. **Antonie van Leeuwenhoek** 41(4):405–10, 1975

A gentle method for the lysis of oral streptococci. Chassy BM. **Biochem Biophys Res Commun** 68(2):603–8, 26 Jan 76

Electron microscopy of antibody-labelled cells of Streptococcus mutans. Emyanitoff RG, et al. **Can J Microbiol** 22(6):891–5, Jun 76

Comparative ultrastructure of selected oral streptococci: thin-sectioning and freeze-etching studies. Holt SC, et al. **Can J Microbiol** 22(4):475–85, Apr 76

[Changes in binding of Fc portion caused by chemical modification of protein A] Arai Y, et al. **Jpn J Bacteriol** 30(1):88, Jan 75 **(Jpn)**

[Preparation of cell walls of group A Streptococcus. Methods of disintegration, isolation and control] Blinnikova EI, et al. **Prikl Biokhim Mikrobiol** 11(6):927–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

STREPTOCOCCUS AGALACTIAE

Streptococcus agalactiae infection in a hamster. Kummeneje K, et al. **Acta Vet Scand** 16(4):554–6, 1975

Group B streptococcal meningitis associated with otitis media. Ellis SS, et al. **Am J Dis Child** 130(9):1003–4, Sep 76

Letter: Bilateral breast abscess due to group B streptococcus. Nelson JD. **Am J Dis Child** 130(5):567, May 76

Epidemiology of group B streptococcal infections, 1975. pp. 159–66. Yow MD.
In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975. (22 ref.)

Neonatal septicemia due to group B-beta hemolytic streptococci. Sharma KB, et al. **Indian J Med Res** 63(6):781–6, Jun 75

Infection with Streptococcus agalactiae in a London hospital. Mhalu FS. **J Clin Pathol** 29(4):309–12, Apr 76

Letter: Persistent group B Streptococcus bacteremia without clinical 'sepsis' in infants. Roberts KB. **J Pediatr** 88(6):1059–60, Jun 76

Nonhemolytic group B streptococcal infections. Roe MH, et al. **J Pediatr** 89(1):75–7, Jul 76

Possible nosocomial transmission of group B streptococci in a newborn nursery. Steere AC, et al. **J Pediatr** 87(5):784–7, Nov 75

Letter: Does intramuscular penicillin at delivery prevent group B beta hemolytic streptococcal disease of the newborn infant? Steigman AJ, et al. **J Pediatr** 87(3):496, Sep 75

A comparison of early-onset group B steptococcal neonatal infection and the respiratory-distress syndrome of the newborn. Ablow RC, et al. **N Engl J Med** 294(2):65–70, 8 Jan 76

Editorial: The perinatal group B streptococcal problem: more questions than answers. Feigin RD. **N Engl J Med** 294(2):106–7, 8 Jan 76

Group B streptococcal colonization in pregnancy. Schauf V, et al. **Obstet Gynecol** 47(6):719–21, Jun 76

Nosocomial transmission of group B streptococci. Aber RC, et al. **Pediatrics** 58(3):346–53, Sep 76

Fatal neonatal meningitis due to group B streptococci. Chattopadhyay B. **Postgrad Med J** 51(594):240–3, Apr 75

Radiological findings in group B streptococcal Sepsis. Weller MH, et al. **Radiology** 118(2):385–7, Feb 76

A retrospective study of the occurrence of beta-haemolytic streptococci of various Lancefield groups in routine cultures from the County of Uppsala. Bengtsson S, et al. **Scand J Infect Dis** 8(2):83–7, 1976

Group B streptococci in human urethral and cervical specimens. Christensen KV, et al. **Scand J Infect Dis** 8(2):75–8, 1976

ANALYSIS

Chemical nature of a substance isolated from a group B streptococcus causing the 'CAMP' reaction. Esseveld H, et al. **Antonie van Leeuwenhoek** 41(4):449–54, 1975

CLASSIFICATION

The distribution and characterization of group B streptococci in New York State. Norcross NL, et al. **Cornell Vet** 66(2):242–8, Apr 76

Standardization and evaluation of the CAMP reaction for the prompt, presumptive identification of Streptococcus agalactiae (Lancefield group B) in clinical material. Darling CL. **J Clin Microbiol** 1(2):171–4, Feb 75

Rapid identification of group B streptococci by counterimmunoelectrophoresis. Hill HR, et al. **J Clin Microbiol** 1(2):188–91, Feb 75

Rapid recognition of group B streptococci by pigment production and counterimmunoelectrophoresis. Merritt K, et al. **J Clin Microbiol** 3(3):287–90, Mar 76

DRUG EFFECTS

Relapse during penicillin treatment of group B streptococcal meningitis. Dorand RD, et al. **J Pediatr** 89(2):188–90, Aug 76

Editorial: Neonatal group B streptococcal infection. McCracken GH, et al. **J Pediatr** 89(2):203–4, Aug 76

Failure of penicillin to eradicate the carrier state of group B Streptococcus in infants. Paredes A, et al. **J Pediatr** 89(2):191–3, Aug 76

Antibiotic-killing kinetics of group B streptococci. Schauf V, et al. **J Pediatr** 89(2):194–8, Aug 76

[Sensitivity of Streptococcus A and B towards penicillin G, penicillin V, ampicillin and amoxicillin] Chabbert YA, et al. **Nouv Presse Med** 4(34):2437–40, 15 Oct 75 **(Fre)**

[Sensitivity of Streptococcus agalactiae and Staphylococcus aureus to antibiotics in the Slovak Socialist Republic in the year 1974] Havelka B. **Vet Med (Praha)** 20(8):455–61, Aug 75 (Eng. Abstr.) **(Slo)**

[Sensitivity of Streptococcus agalactiae and Staphylococcus aureus strains to antibiotics in Slovakia during 1974] Havelka B. **Vet Med (Praha)** 20(10):455–61, Aug 75 (Eng. Abstr.) **(Slo)**

GROWTH & DEVELOPMENT

Separation from whey of three growth factors for Streptococcus agalactiae. Brown RW, et al. **Am J Vet Res** 37(1):75–8, Jan 76

Microcapsule of type III strains of group B Streptococcus: production and morphology. Baker CJ, et al. **Infect Immun** 13(1):189–94, Jan 76

IMMUNOLOGY

Antigens of group B streptococci relation to mouse-protective antibodies and immunity. pp. 145–51. Lancefield RC.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973. (17 ref.)

Identification of sialic acid in polysaccharide antigens in group B Streptococcus. Baker CJ, et al. **Infect Immun** 13(1):284–8, Jan 76

Immunochemical analysis of distinct cellular antigens isolated from a nontypable bovine strain of group B streptococci. Toole B, et al. **Infect Immun** 13(1):69–77, Jan 76

Demonstration of the capsular antigens of bovine group B streptococci by the serum-soft agar method. Kane JA, et al. **J Clin Microbiol** 2(1):35–41, Jul 75

Radioimmunoassay for measuring antibodies specific for group B streptococcal types Ia, Ib, Ic, II, and III. Wilkinson HW, et al. **J Clin Microbiol** 3(5):480–5, May 76

Immunity to the group B streptococci: interaction of serum and macrophages with types Ia, Ib, and Ic. Anthony BF. **J Exp Med** 143(5):1186–98, 1 May 76

Immunochemical characterization of the 'native' type III polysaccharide of group B Streptococcus. Baker CJ, et al. **J Exp Med** 143(2):258–70, 1 Feb 76

Correlation of maternal antibody deficiency with susceptibility to neonatal group B streptococcal infection. Baker CJ, et al. **N Engl J Med** 294(14):753–6, 1 Apr 76

[Use of the immunofluorescence technic for the routine diagnosis of group B Streptococci] Kubín V, et al. **Vet Med (Praha)** 20(10):447–54, Aug 75 (Eng. Abstr.) **(Cze)**

ISOLATION & PURIFICATION

Group B streptococci in venereal disease clinic patients. Wallin J, et al. **Br J Vener Dis** 51(6):401–4, Dec 75

Group B streptococci in the female genital tract. Finch RG, et al. **Br Med J** 1(6020):1245–7, 22 May 76

Case report: Congenital septicaemia and pneumonia due to group B streptococus. O'Herlihy C, et al. **Ir J Med Sci** 145(4):135–7, Apr 76

Comparison of bacteriological methods for the isolation of group of B Streptococcus from vaginal cultures. Baker CJ, et al. **J Clin Microbiol** 4(1):46–8, Jul 76

Presumptive identification and antibiotic susceptibility of group B streptococci. Jokipii AM, et al. **J Clin Pathol** 29(8):736–9, Aug 76

Group B streptococcus in a general hospital. Anthony BF, et al. **J Infect Dis** 132(5):561–7, Nov 75

Early onset group B streptococcal disease: clinical, roentgenographic, and pathologic features. Vollman JH, et al. **J Pediatr** 89(2):199–203, Aug 76

Group B streptococcal disease. **J Tenn Med Assoc** 69(1):26–8, Jan 76

The persistence of group B streptococci in families. Bergqvist G, et al. **Scand J Infect Dis** 8(2):79–81, 1976

[Use of immunofluorescence technic for the routine diagnosis of group B Streptococci] Kubín V, et al. **Vet Med (Praha)** 20(8):447–54, Aug 75 (Eng. Abstr.) **(Cze)**

[Streptococcus group B infections] Megro H, et al. **J Jpn Assoc Infect Dis** 49(12):823–4, Dec 75 **(Jpn)**

[Direct immunofluorescence test in the identification of group B streptococci] Linda H, et al. **Przegl Epidemiol** 29(3):343–7, 1975 (Eng. Abstr.) **(Pol)**

[Hydrolysis of hyppurate as a presumptive method for the identification of Streptococcus B group] Elola-Olaso A, et al. **Rev Clin Esp** 141(5):427–9, 15 Jun 76 (Eng. Abstr.) **(Spa)**

[Source of spread of pathogenic staphylococci and streptococcus agalactiae] Oksamitnyi NK, et al. **Mikrobiol Zh** 38(3):320–4, 1976 (Eng. Abstr.) **(Ukr)**

METABOLISM

Rapid, colorimetric test for the determination of hippurate hydrolysis by group B Streptococcus. Edberg SC, et al. **J Clin Microbiol** 3(1):49–50, Jan 76

[Effect of antibiotics on hemolysin production by bacteria causing mastitis in cattle] Kurek C. **Pol Arch Weter** 18(1):17–22, 1975 (Eng. Abstr.) **(Pol)**

[The production and standardization of streptolysin-O] Kihçturgay K, et al. **Mikrobiyol Bul** 10(2):179–88, Feb 76 (Eng. Abstr.) **(Tur)**

PATHOGENICITY

Selective adhesion of microorganisms to the ductular epithelium of the bovine mammary gland. Frost AJ. **Infect Immun** 12(5):1154–6, Nov 75

Experimental group B streptococcal infections in mice: hematogenous virulence and mucosal colonization. Furtado D. **Infect Immun** 13(5):1315–20, May 76

Recurrence of group B streptococcal infection. Broughton DD, et al. **J Pediatr** 89(2):182–5, Aug 76

Recurrence of group B streptococcal infection. Truog WE, et al. **J Pediatr** 89(2):185–6, Aug 76

Recurrence of group B III streptococcal meningitis. Walker SH, et al. **J Pediatr** 89(2):187–8, Aug 76

PHYSIOLOGY

[Bacteriological characteristics of Streptococcus agalactiae. Incidence and conditions of appearance of the pigmentation. Sensitivity to antibiotics] Flandrois JP, et al. **Ann Biol Clin (Paris)** 33(5):369–77, 1975 (Eng. Abstr.) **(Fre)**

STREPTOCOCCUS FAECALIS

Group D enterococcal meningitis. Clinical and therapeutic considerations with report of three cases and review of the literature. Bayer AS, et al. **Arch Intern Med** 136(8):883–6, Aug 76

Acromegaly, the systolic click syndrome, and group D streptococcal endocarditis. Jugdutt B, et al. **Chest** 69(5):690–2, May 76

Osteomyelitis caused by Streptococcus faecalis (report of an unusual case). Yadav SS, et al. **Indian J Med Sci** 29(4–5):116–7, Apr–May 75

Pyelonephritis. XIX. Immunization against enterococcal pyelonephritis. Guze LB, et al. **Invest Urol** 14(1):13–5, Jul 76

CLASSIFICATION

Rapid specific identification of group D streptococci by

counterimmunoelectrophoresis. Portas MR, et al. **J Lab Clin Med** 88(2):339–44, Aug 76

[Utilization of the mixed-phages test for the differentiation of the principal species belonging to group D streptococci (author's transl)] Pleceas P, et al. **Ann Microbiol (Paris)** 125(4):463–70, Dec 74 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Morphology and viability of large bodies of streptococcal L-forms. Bibel DJ, et al. **Infect Immun** 12(4):919–30, Oct 75

Streptococcus faecalis chain disruption. Shaikh MR, et al. **J Gen Microbiol** 91(1):195–7, Nov 75

DRUG EFFECTS

Effects of penicillin and lysozyme on the immunofluorescent and precipitin reactivity of group D streptococci. Watson BK, et al. **Am J Clin Pathol** 66(1):73–9, Jul 76

Inhibition of microorganisms by pyrimidine nucleosides. Mehta BM, et al. **Ann NY Acad Sci** 255(751106–751230–2):559–63, 8 Aug 75

Role of amino acids on the growth and lipase production of Streptococcus faecalis. Chander H, et al. **Experientia** 31(11):1263, 15 Nov 75

Chemical modification of peptide antibiotics : Part III. Biological activities of some ethanolamine and tryptophan derivatives and of some polypeptides containing tryptophan. Rambhav S. **Indian J Biochem Biophys** 12(2):168–71, Jun 75

Inhibition of wall autolysis in Streptococcus faecalis by lipoteichoic acid and lipids. Cleveland RF, et al. **J Bacteriol** 126(1):192–7, Apr 76

Effects of phenethyl alcohol on Bacillus and Streptococcus. Silva MT, et al. **J Bacteriol** 127(3):1359–69, Sep 76

Recovery of tellurite resistance by heat injured Streptococcus faecalis. Payne J, et al. **J Gen Microbiol** 94(2):421–4, Jun 76

Studies on the establishment of multi-drug-resistant strain BIO-4R of Streptococcus faecalis in the intestinal tract of germ-free mice. Bacterial interaction and effect of antibiotics. Hara N. **Jpn J Microbiol** 19(4):249–54, Aug 75

[The antifolic activity of several derivatives of 2,4,6-triaminopyrimidine and 2,6-diaminopurine in a microbiologic test system] Rudakov VF. **Vopr Onkol** 21(12):68, 1975 **(Rus)**

ENZYMOLOGY

Role of Mg2+ ions in the subunit structure and membrane binding properties of bacterial energy transducing ATPase. Abrams A, et al. **Biochem Biophys Res Commun** 69(3):804–11, 5 Apr 76

Mutants of Streptococcus faecalis concerning pyruvate dehydrogenation. Yamazaki A, et al. **FEBS Lett** 64(2):364–8, 1 May 76

Activation of lipolytic activity of Streptococcus faecalis by nitrosoguanidine. Hussain SS, et al. **Folia Microbiol (Praha)** 21(1):73–4, 1976

Autolytic formation of protoplasts (autoplasts) of Streptococcus faecalis; location of active and latent autolysin. Joseph R, et al. **J Bacteriol** 127(3):1482–93, Sep 76

Studies of substructure and tightly bound nucleotide in bacterial membrane ATPase. Abrams A, et al. **J Supramol Struct** 3(3):261–74, 1975

GROWTH & DEVELOPMENT

[Studies on the growth requirements of enterococci (author's transl)] Krämer J. **Zentralbl Bakteriol [Orig A]** 233(4):464–9, Dec 75 **(Ger)**

[Enterococcal survival in forcemeat preserved in polymer films and in cutlets made from it] Mudretsova-Viss KA, et al. **Vopr Pitan** (1):68–72, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

A hitherto unknown streptococcal antigen and its probable relation to acute poststreptococcal glomerulonephritis. Lange K, et al. **Clin Nephrol** 5(5):207–15, May 76

Bactericidal mechanisms in rabbit alveolar macrophages: evidence against peroxidase and hydrogen peroxide bactericidal mechanisms. Biggar WD, et al. **Infect Immun** 14(1):6–10, Jul 76

Interaction of bacterial cell wall polymers and rat macrophages. Schwab JH, et al. **Z Immunitaetsforsch** 149(2–4):283–8, Jul 75

ISOLATION & PURIFICATION

Evaluation of Pfizer selective enterococcus and KF media for recovery of fecal streptococci from water by membrane filtration. Brodsky MH, et al. **Appl Environ Microbiol** 31(5):695–9, May 76

Seasonal occurrence and distribution of microbial indicators and pathogens in the Rhode River of Chesapeake Bay. Carney JF, et al. **Appl Microbiol** 30(5):771–80, Nov 75

Distribution and significance of fecal indicator organisms in the Upper Chesapeake Bay. Sayler GS, et al. **Appl Microbiol** 30(4):625–38, Oct 75

Group D enterococcal meningitis. Clinical and therapeutic considerations with report of three cases and review of the literature. Bayer AS, et al. **Arch Intern Med** 136(8):883–6, Aug 76

Relationship between various bacterial populations and coprostanol and cholesterol. Dutka BJ, et al. **Can J Microbiol** 21(9):1386–98, Sep 75

Persistence of human enteric bacteria in the Canadian North. White LA, et al. **Can J Public Health** 67(1):25–9, Jan–Feb 76

Streptococcus faecalis and Streptococcus faecium in infected dental root canals at filling and their susceptibility to azidocillin and some comparable antibiotics. Mejàre B. **Odontol Revy** 26(3):193–204, 1975

[Find of enterococci in sour cream and butter] Aleksieva V. **Vet Med Nauki** 13(2):49–54, 1976 (Eng. Abstr.) **(Bul)**

[Staphylococci, fecal streptococci and coliform bacteria in the water of indoor swimming pools in selected Polish cities] Haman S, et al. **Rocz Panstw Zakl Hig** 27(3):241–9, 1976 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. I. Quantitative comparison of the occurrence of coliform bacteria and Streptococcus faecalis in human feces] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 27(2):133–5, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Poly-gamma-glutamyl chain lengths in some natural folates and contributions of folic acid synthesized by intestinal microflora to rat nutrition. pp. 465–74. Baugh CM, et al.

In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

Transmissible toxin (hemolysin) plasmid in Streptococcus faecalis and its mobilization of a noninfectious drug resistance plasmid. Dunny GM, et al. **J Bacteriol** 124(2):784–90, Nov 75

Characterization of the presumed peptide cross-links in the soluble peptidoglycan fragments synthesized by protoplasts of Streptococcus faecalis. Rosenthal RS, et al. **J Bacteriol** 124(1):410–8, Oct 75

Synthesis of peptidoglycan in the form of soluble glycan chains by growing protoplasts (autoplasts) of Streptococcus faecalis. Rosenthal RS, et al. **J Bacteriol** 124(1):419–23, Oct 75

Evidence for the synthesis of soluble peptidoglycan fragments by protoplasts of Streptococcus faecalis. Rosenthal RS, et al. **J Bacteriol** 124(1):398–409, Oct 75

Studies of the formation of peptide cross-links in the cell wall peptidoglycan of Streptococcus faecalis. Dezélée P, et al. **J Biol Chem** 250(17):6806–16, 10 Sep 75

Plasmid-determined tetracycline resistance in Streptococcus faecalis: tandemly repeated resistance determinants in amplified forms of pAMalpha1 DNA. Yagi Y, et al. **J Mol Biol** 102(3):583–600, 15 Apr 76

[Studies on enterocinogens of enterococci present in food products and of their role in the mechanism of antagonisms] Maleszewski J, et al. **Rocz Panstw Zakl Hig** 26(6):663–70, 1975 (Eng. Abstr.) **(Pol)**

PATHOGENICITY

Experimental intestinal granulomas. Hawley PR. **Proc R Soc Med** 68(1):34, Jan 75

PHYSIOLOGY

Effect of lipoteichoic acid and lipids on lysis of intact cells of Streptococcus faecalis. Cleveland RF, et al. **J Bacteriol** 127(3):1582–4, Sep 76

RADIATION EFFECTS

Letter: Chemical radiosensitization and quality of cellular damage in bacteria exposed to gamma rays. Nair CK, et al. **Radiat Res** 67(2):382–5, Aug 76

[Change in the accumulation of dibenzyldimethylammonium by irradiated cells of Streptococcus under the effects of modifiers of radiation injury] Fomenko BS, et al. **Biol Nauki** (8):51–5, 1975 **(Rus)**

[Energy-dependent accumulation of an artificial dibenzyldimethylammonium cation by gamma-irradiated cells] Fomenko BS, et al. **Radiobiologiia** 16(1):21–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Bacterial mesosomes. Real structures or artifacts? Silva MT, et al. **Biochim Biophys Acta** 443(1):92–105, 4 Aug 76

Three-dimensional reconstruction of whole cells of Streptococcus faecalis from thin sections of cells. Higgins ML. **J Bacteriol** 127(3):1337–45, Sep 76

Organization of mesosomes in fixed and unfixed cells. Higgins ML, et al. **J Bacteriol** 127(3):1519–23, Sep 76

Study of cycle of cell wall assembly in Streptococcus faecalis by three-dimensional reconstructions of thin sections of cells. Higgins ML, et al. **J Bacteriol** 127(3):1346–58, Sep 76

STREPTOCOCCUS LACTIS

Electron microscopy of virulent phages for Streptococcus lactis. Tsaneva KP. **Appl Environ Microbiol** 31(4):590–601, Apr 76

Isolation and examination of transducing bacteriophage particles from Streptococcus lactis C2. Klaenhammer TR, et al. **J Dairy Sci** 59(3):396–404, Mar 76

Lipid composition of a nisin-producing strain of Streptococcus lactis. Kalra MS, et al. **Zentralbl Bakteriol [Naturwiss]** 130(7):609–11, 1975

[Antibody activity of blood serum and whey of cows immunized with phages of group N Streptococci] Bucholc B, et al. **Med Dosw Mikrobiol** 27(4):379–87, 1975 (Eng. Abstr.) **(Pol)**

[Identification of bacteriophages that lyse industrial strains of the producer of the antibiotic nisin] Taylor K, et al. **Antibiotiki** (9):791–3, Sep 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Lipid composition of a nisin-producing strain of Streptococcus lactis. Kalra MS, et al. **Zentralbl Bakteriol [Naturwiss]** 130(7):609–11, 1975

DRUG EFFECTS

[Effect of vitamins on the biosynthesis of nisin by a Streptococcus lactis culture] Egorov NS, et al. **Antibiotiki** 20(7):585–8, Jun 75 (Eng. Abstr.) **(Rus)**

[The effect of purine and pyrimidine bases on the growth of Streptococcus lactis and the biosynthesis of nisin] Egorov NS, et al. **Mikrobiologiia** 45(1):100–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Effect of the initial pH value of the medium on the growth of Streptococcus lactis and the biosynthesis of nisin] Egorov NS, et al. **Antibiotiki** 21(6):499–501, Jun 76 (Eng. Abstr.) **(Rus)**

[Effect of age and the amount of inoculate on the growth of Streptococcus lactis and its formation of nisin] Egorov NS, et al. **Mikrobiologiia** 44(4):637–40, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Mastitis and Streptococci of the L group. (author's transl)] Van Den Berg J, et al. **Tijdschr Diergeneeskd** 100(18):994, 15 Sep 75 **(Dut)**

METABOLISM

Citric acid metabolism in hetero- and homofermentative lactic acid bacteria. Drinan DF, et al. **Appl Environ Microbiol** 31(4):481–6, Apr 76

Characteristics and energy requirements of an alpha-aminoisobutyric acid transport system in Streptococcus lactis. Thompson J. **J Bacteriol** 127(2):719–30, Aug 76

ATP synthesis driven by a protonmotive force in Streptococcus lactis. Maloney PC, et al. **J Membr Biol** 25(3–4):285–310, 1975–76

STREPTOCOCCUS MUTANS see under **STREPTOCOCCUS**

STREPTOCOCCUS PNEUMONIAE

see related

PNEUMOCOCCAL INFECTIONS

Postsplenectomy sepsis due to influenzal viremia and pneumococcemia. Roberts GT, et al. **Can Med Assoc J** 115(5):435–7, 4 Sep 76

Determinants of lung bacterial clearance in normal mice. Jay SJ, et al. **J Clin Invest** 57(4):811–7, Apr 76

Pneumococcus-induced serotonin release from human platelets. Identification of the participating plasma/serum factor as immunoglobulin. Zimmerman TS, et al. **J Clin Invest** 56(4):828–34, Oct 75

Letter: Factors influencing the response of mice to type III pneumococcal polysaccharide. Warr GW. **J Immunol** 116(4):1196–7, Apr 76

Characterization of some pneumococcal bacteriophages. Porter RD, et al. **J Virol** 19(2):659–67, Aug 76

Serological types of Diplococcus pneumoniae isolated from the respiratory tract of children with cystic fibrosis and children with other diseases. Hoiby N, et al. **Scand J Respir Dis** 57(1):37–40, 1976

Inhibition of phage infection by pneumococcus capsule. Bernheimer HP, et al. **Virology** 73(1):308–9, Aug 76

Pneumococcal bacteriophages. Tiraby JG, et al. **Virology** 68(2):566–9, Dec 75

ANALYSIS

Identification of D-galacturonic acid in the specific capsular polysaccharide of pneumococcal type XXV. Das A, et al. **Carbohydr Res** 48(2):304–5, Jun 76

Selective release of a deoxyribonucleic acid-binding factor from the surface of competent pneumococci. Seto H, et al. **J Bacteriol** 124(2):969–76, Nov 75

CLASSIFICATION

Application of counterimmunoelectrophoresis in the identification of Streptococcus pneumoniae in clinical isolates. Sottile MI, et al. **J Clin Microbiol** 2(3):173–7, Sep 75

DRUG EFFECTS

Susceptibility of pneumococci and Haemophilus influenzae to antibacterial agents. Finland M, et al. **Antimicrob Agents Chemother** 9(2):274–87, Feb 76

Prevention of cell agglutination and competence in a genetically transformable strain of Pneumococcus by

D-glucosamine and D-galactosamine. Kohoutová M. **Folia Microbiol (Praha)** 20(6):443–51, 1975

Evidence of tandem duplication of genes in a merodiploid region of Pneumococcal mutants resistant to sulfonamide. Kashmiri SV, et al. **Genetics** 81(1):21–31, Sep 75

Chromosomal basis of the merozygosity in a partially deploid mutant of Pneumococcus. Ledbetter ML, et al. **Genetics** 80(4):667–78, Aug 75

Recombination as a requirement for segregation of a partially diploid mutant of Pneumococcus. Ledbetter ML, et al. **Genetics** 80(4):679–94, Aug 75

Activity of minocycline and tetracycline against respiratory pathogens related to blood levels. Wood MJ, et al. **J Antimicrob Chemother** 1(3):323–31, Sep 75

Antibacterial activity of eight cephalosporins against Haemophilus influenzae and Streptococcus pneumoniae. Yourassowsky E, et al. **J Antimicrob Chemother** 2(1):55–9, Mar 76

Biological effects of lipoteichoic acids. Holtje JV, et al. **J Bacteriol** 124(2):1023–7, Nov 75

Antibiotic sensitivity pattern of pneumococci relatively insensitive to penicillin and cephalosporin antibiotics. Hansman D. **Med J Aust** 2(19):740–2, 8 Nov 75

A survey of isolates of Streptococcus pneumoniae. Wood NG. **NZ Med J** 83(559):154–5, 10 Mar 76

Guamecycline in bronchial infections due to Diplococcus pneumoniae. Lányi M, et al. **Panminerva Med** 14(1–2):24–9, Jan–Feb 72

Prolonged pneumococcal meningitis due to an organism with increased resistance to penicillin. Paredes A, et al. **Pediatrics** 58(3):378–81, Sep 76

[In-vitro study of the sensitivity of pneumococci to 7 cephalosporins] Yourassowsky E, et al. **Acta Clin Belg** 30(6):518–20, 1975 (Eng. Abstr.) **(Fre)**

[Examination of bacteria in chronic bronchial infections. Importance of tetracycline-resistance of pneumococcus (author's transl)] Fodor T, et al. **Pneumonologie** 151(3):201–6, 1975 **(Ger)**

ENZYMOLOGY

Characterization of an endo-alpha-N-acetyl galactosaminidase from Diplococcus pneumoniae. Bhavanandan VP, et al. **Biochem Biophys Res Commun** 70(3):738–45, 7 Jun 76

A comparison of the substrate specificities of endo-beta-N-acetylglucosaminidases from Streptomyces griseus and Diplococcus Pneumoniae. Tarentino AL, et al. **Biochem Biophys Res Commun** 67(1):455–62, 3 Nov 75

Role of deoxyribonucleic acid ligase in a doxyribonucleic acid membrane fraction extracted from pneumococci. Greene M, et al. **J Bacteriol** 126(2):777–84, May 76

Membrane location of a deoxyribonuclease implicated in the genetic transformation of Diplococcus pneumoniae. Lacks S, et al. **J Bacteriol** 124(3):1321–9, Dec 75

Purification of the pneumococcal N-acetylmuramyl-L-alanine amidase to biochemical homogeneity. Höltje JV, et al. **J Biol Chem** 251(14):4199–207, 25 Jul 76

Purification and characterization of an endo-beta-galactosidase produced by Diplococcus pneumoniae. Takasaki S, et al. **J Biol Chem** 251(12):3603–9, 25 Jun 76

Mechanism of action of penicillin: triggering of the pneumococcal autolytic enzyme by inhibitors of cell wall synthesis. Tomasz A, et al. **Proc Natl Acad Sci USA** 72(10):4162–6, Oct 75

[Comparative study of neuraminidases from 'Diplococcus pneumoniae' and 'Clostridium perfringens'] Houdret N, et al. **Ann Microbiol (Paris)** 126(2):175–80, Sep 75 (Eng. Abstr.) **(Fre)**

[Stability of the autolytic enzyme of the lyophilized Pneumococcus. Preliminary note] Sturdza SA, et al. **Arch Roum Pathol Exp Microbiol** 33(3–4):231–9, Jul–Dec 74 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Acute otitis media. A clinical bacteriological and serological study of children with frequent episodes of acute otitis media. Branefors-Helander P, et al. **Acta Otolaryngol (Stockh)** 80(5–6):399–409, Nov–Dec 75

Antigenemia in fulminant pneumococcemia. Coonrod JD, et al. **Ann Intern Med** 84(5):561–3, May 76

Comparison of the amino acid sequences of the variable domains of two homogeneous rabbit antibodies to type III pneumococcal polysaccharide. Jaton JC. **Biochem J** 147(2):235–47, May 75

The V-region sequence of the H chain from a third rabbit anti-pneumococcal antibody. Jaton JC. **Biochem J** 157(2):449–59, 1 Aug 76

Circular dichroism and fluorescence studies of homogeneous antibodies to type III pneumococcal polysaccharide. Jaton JC, et al. **Biochemistry** 14(24):5308–11, 2 Dec 75

Conformational changes induced in a homogeneous anti-type III pneumococcal antibody by oligosaccharides of increasing size. Jaton JC, et al. **Biochemistry** 14(24):5312–5, 2 Dec 75

Studies of hyperimmune restricted and partially restricted anti-pneumococcal polysaccharide antibodies from allotype-defined pedigreed rabbits--IV. Amino-terminal light chain sequence analyses of restricted homozygous b4 rabbit anti-SIII and SVIII antibodies from partially inbred rabbits. Freedman M, et al. **Immunochemistry** 12(4):263–72, Apr 75

Immunochemical relationships between bacteria belonging to two separate families: pneumococci and Klebsiella. Heidelberger M, et al. **Immunochemistry** 13(1):67–80, Jan 76

The occurrence of antibodies in rabbit anti-pneumococcus antisera directed against calcium dependent and independent determinants. Callahan HJ, et al. **Immunol Commun** 4(6):537–52, 1975

Vaccines of pneumococcal capsular polysaccharides and the prevention of pneumococcal pneumonia. pp. 79–89. Austrian R.
In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8. (21 ref.)

Cross-reactions between pneumococcal and streptococcal polysaccharides. pp. 24–44. Austrian R.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.

Biospecific methods for purification and characterization of pneumococcal polysaccharide PnS XIV. pp. 101–8. Porath J, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.

Bacterial antigens cross-reactive with the capsular polysaccharides of Haemophilus influenzae type b, Neisseria meningitidis groups A and C and Diplococcus pneumoniae types I and III. pp. 45–56. Robbins JB, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973. (45 ref.)

Specificity of radioimmunoassay for pneumococcal antibody. pp. 80–4. Schiffman G, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.

Suppressor T cells and host resistance to tye 111 pneumococcus after treatment with antilymphocyte serum. Barth RF, et al. **Infect Immun** 12(6):1307–12, Dec 75

Bactericidal mechanisms in rabbit alveolar macrophages: evidence against peroxidase and hydrogen peroxide bactericidal mechanisms. Biggar WD, et al. **Infect Immun** 14(1):6–10, Jul 76

Pneumococcal type-associated variability in alternate complement pathway activation. Fine DP. **Infect Immun** 12(4):772–8, Oct 75

Biological properties of an immunogenic pneumococcal subcellular preparation. Thompson HC, et al. **Infect Immun** 13(3):750–7, Mar 76

Host defense against the pneumococcus in T-lymphocyte-deficient, nude mice. Winkelstein JA, et al. **Infect Immun** 12(5):1222–3, Nov 75

Proceedings: Antigen binding and idiotypic properties of reconstituted IgG derived from homogeneous rabbit antipneumococcal antibodies. Haimovich J, et al. **Isr J Med Sci** 11(12):1392–3, Dec 75

Counterimmunoelectrophoresis of pneumococcal antigens:improved sensitivity for the detection of types VII and XIV. Anhalt JP, et al. **J Clin Microbiol** 2(6):510–5, Dec 75

Use of Counter and rocket immunoelectrophoresis in acute respiratory infections due to Streptococcus pneumoniae. Spencer RC, et al. **J Clin Pathol** 29(3):187–90, Mar 76

Secondary IgG responses to type III pneumococcal polysaccharide. I. Kinetics and antigen requirements. Braley-Mullen H. **J Immunol** 115(5):1194–8, Nov 75

Secondary IgG responses to type III pneumococcal polysaccharide. II. Different cellular requirements for induction and elicitation. Braley-Mullen H. **J Immunol** 116(4):904–10, Apr 76

Kinetics of the antibody response to type III pneumococcal polysaccharide (SSS-III). I. Use of 125I-labeled SSS-III to study serum antibody levels, as well as the distribution and excretion of antigen after immunization. Jones JM, et al. **J Immunol** 116(1):41–51, Jan 76

Kinetics of the antibody response to type III pneumococcal polysaccharide. II. Factors influencing the serum antibody levels after immunization with an optimally immunogenic dose of antigen. Jones JM, et al. **J Immunol** 116(1):52–64, Jan 76

Kinetics of the antibody response to type III pneumococcal polysaccharide. I. Evidence that suppressor cells function by inhibiting the recruitment and proliferation of antibody-producing cells. Jones JM, et al. **J Immunol** 116(3):647–56, Mar 76

The effect of Bordetella pertussis on the antibody response in mice to type III pneumococcal polysaccharide. Kong AS, et al. **J Immunol** 116(4):989–93, Apr 76

Regulation of the antibody response to type III pneumococcal polysaccharide. V. Ontogeny of factors influencing the magnitude of the plaque-forming cell response. Morse HC 3d, et al. **J Immunol** 116(2):279–87, Feb 76

Neonatal infection with mouse thymic virus: effects on cells regulating the antibody response to type III pneumococcal polysaccharide. Morse HC 3rd, et al. **J Immunol** 116(6):1613–7, Jun 76

The effects of age on the immune response to type III pneumococcal polysaccharide (SIII) and bacterial lipopolysaccharide (LPS) in BALB/c, SJL/J, and C3H mice. Smith AM. **J Immunol** 116(2):469–74, Feb 76

The interdomain disulfide bond of a homogeneous rabbit pneumococcal antibody light chain. Strosberg AD, et al. **J Immunol** 115(5):1422–4, Nov 75

Pneumococcal serum opsonizing activity in splenectomized children. Winkelstein JA, et al. **J Pediatr** 87(3):430–3, Sep 75

[Letter: Diagnostic value of the detection of specific polysaccharides by counterelectrophoresis in meningitis in children. 50 cases] Geslin P, et al. **Nouv Presse Med** 5(22):1431–2, 29 May 76 **(Fre)**

ISOLATION & PURIFICATION

Methods to improve detection of pneumococci in respiratory secretions. Dilworth JA, et al. **J Clin Microbiol** 2(5):453–5, Nov 75

Use of anaerobic culture for the improved isolation of Streptococcus pneumoniae. Howden R. **J Clin Pathol** 29(1):50–3, Jan 76

Occurrence of Diplococcus pneumoniae in the upper respiratory tract of children. Loda FA, et al. **J Pediatr** 87(6 PT 2):1087–93, Dec 75

METABOLISM

A modifier mutation affecting utilization of mannitol in pneumococcus. Rotheim MB, et al. **Can J Microbiol** 21(8):1139–43, Aug 75

A study of Pneumococcal merodiploids at the molecular level. Kashmiri SV, et al. **Genetics** 81(1):9–19, Sep 75

Genetic hybridization at the unlinked thy and str loci of Streptococcus. Ravin AW, et al. **Genetics** 81(2):223–41, Oct 75

RNA-mediated transformation in Pneumococcus. pp. 225–8. Evans A.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Role of polyadenylic acid in a deoxyribonucleic acid-membrane fraction extracted from pneumococci. Firshein W, et al. **J Bacteriol** 127(1):14–23, Jul 76

Mismatch correction in pneumococcal transformation: donor length and hex-dependent marker efficiency. Guild WR, et al. **J Bacteriol** 125(1):125–35, Jan 76

Calcium-requiring step in the uptake of deoxyribonucleic acid molecules through the surface of competent pneumococci. Seto H, et al. **J Bacteriol** 126(3):1113–8, Jun 76

Single-strand breakage on binding of DNA to cells in the genetic transformation of Diplococcus pneumoniae. Lacks S, et al. **J Mol Biol** 101(2):255–75, 25 Feb 76

PHYSIOLOGY

The role of the capsular polysaccharide in the activation of the alternative pathway by the pneumococcus. Winkelstein JA, et al. **J Immunol** 116(2):367–70, Feb 76

STREPTOCOCCUS PYOGENES

Grouping of beta-haemolytic streptococci by using coagglutination, precipitation or bacitracin sensitivity. Arvilommi H. **Acta Pathol Microbiol Scand [B]** 84(2):79–84, Apr 76

Isolation by isoelectric focusing of a mitogenic substance released by stimulated human lymphocytes. Seravalli E. **Cell Immunol** 21(1):70–8, Jan 76

Identification of group a streptococci by reverse passive hemagglutination. Edwards EA, et al. **Immunol Commun** 5(1–2):41–51, 1976

Rheumatic fever: a streptococcal-induced autoimmune disease? pp. 97–111. Zabriskie JB.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (48 ref.)

Erythrocyte antinuclear antibodies in sera of chickens hyperimmunized with group A streptococcal vaccine. Luster MI, et al. **Infect Immun** 13(3):825–9, Mar 76

Induction of adjuvant arthritis in the rat by various bacterial cell walls and their water-soluble components. Koga T, et al. **Int Arch Allergy Appl Immunol** 51(2):206–13, 1976

Epithelial cell binding of group A streptococci by lipoteichoic acid on fimbriae denuded of M protein. Beachey EH, et al. **J Exp Med** 143(4):759–71, 1 Apr 76

Transduction of bacteriocin determinants in group A streptococci. Tagg JR, et al. **J Exp Med** 143(6):1540–4, 1 Jun 76

Pustular psoriasis elicited by streptococcal antigen and localized to the sweat pore. Shelley WB, et al. **J Invest Dermatol** 65(5):466–71, Nov 75

Serious group A streptococcal diseases in children. Burech DL, et al. **J Pediatr** 88(6):972–4, Jun 76

A retrospective study of the occurrence of beta-haemolytic streptococci of various Lancefield groups in routine cultures from the County of Uppsala. Bengtsson S, et al. **Scand J Infect Dis** 8(2):83–7, 1976

Further studies of some 'nontypable' group A streptococci. Quinn RW, et al. **Yale J Biol Med** 49(2):105–8, May 76

[Experimental study on rheumatic carditis induced by hemolytic streptococci strains 5 and 12] Nagata Y. **Acta Med (Fukuoka)** 45(4):236–61, Oct 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies of effects of the streptococcal anticancer preparation (Picibanil) for bladder carcinomas of ACI/N rats (author's transl)] Kagawa S. **Jpn J Urol** 67(2):73–80, Feb 76 (Eng. Abstr.) **(Jpn)**

[Characteristics of beta-hemolytic streptococci secreted in

children in various climatic zones] Gladkova KK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):71–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Transduction of streptomycin resistance in group A streptococci by virulent streptococcal phage CA1] Zal'tsman LG. **Zh Mikrobiol Epidemiol Immunobiol** (11):27–31, Nov 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Relationship of cellular potential hemolysin in group A streptococci to extracellular streptolysin S. Calandra GB, et al. **Infect Immun** 13(3):813–7, Mar 76

Streptococcal M protein extracted by nonionic detergent. I. Properties of the antiphagocytic and type-specific molecules. Fischetti VA, et al. **J Exp Med** 144(1):32–53, 1 Jul 76

M protein of type 12 Strepto coccus pyogenes. Isolation by electrofocusing and some molecular weight-dependent properties. Havlíček J. **Pathol Microbiol (Basel)** 42(3):147–58, 1975

Endotoxin-like properties of the peptidoglycan. Rotta J. **Z Immunitaetsforsch** 149(2–4):230–44, Jul 75

[Trial in isolation of native M protein from the cell wall of Streptococcus type A] Naniwa K, et al. **Jpn J Bacteriol** 30(1):88, Jan 75 **(Jpn)**

CLASSIFICATION

Comparison of the agglutination and the co-agglutination techniques in T-tying of Streptococcus pyogenes. Haug RH. **Acta Pathol Microbiol Scand [B]** 84(2):109–11, Apr 76

A new M-type of group A streptococcus of clinical importance in pyoderma and pharyngitis. Dillon HC, et al. **J Gen Microbiol** 91(1):119–26, Nov 75

[The typing of group A haemolytic streptococci. V. Communication: type differentiation within the T-complexes 3, 13, B3264 by means of monospecific T-antisera (author's transl)] Köhler W, et al. **Z Immunitaetsforsch** 150(2):124–37, Sep 75 (Eng. Abstr.) **(Ger)**

[Grouping of hemolytic streptococci and typing of group A hemolytic streptococci. II. Comparison among electrosyneresis, capillary precipitin reaction, bacitracin disc method and Kobayashi's method] Kobayashi S, et al. **J Jpn Assoc Infect Dis** 49(3):113–6, Mar 75 (Eng. Abstr.) **(Jpn)**

[Grouping of hemolytic streptococci and typing of group A hemolytic streptococci. I. Grouping of hemolytic streptococci and typing of group A hemolytic streptococci by electrosyneresis] Kobayashi S, et al. **J Jpn Assoc Infect Dis** 49(3):106–12, Mar 75 (Eng. Abstr.) **(Jpn)**

[Artificially-induced mutants of Streptococcus group A and its classification] Yoshioka M. **Jpn J Bacteriol** 30(1):56–7, Jan 75 **(Jpn)**

[Typing of group A Streptococcus by passive hemagglutination] Nishimura T. **Ryumachi** 15(2):107–21, Jul 75 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Colonial morphology of group A-beta haemolytic streptococcal L-forms in light microscopy. Mohan C, et al. **Indian J Med Res** 63(12):1712–5, Dec 75

Morphology and viability of large bodies of streptococcal L-forms. Bibel DJ, et al. **Infect Immun** 12(4):919–30, Oct 75

Cellular location of streptolysin O. Calandra GB, et al. **Infect Immun** 12(4):750–3, Oct 75

DRUG EFFECTS

Bacterial interference: effects of oral antibiotics on the normal throat flora and its ability to interfere with group A streptococci. Sanders CC, et al. **Infect Immun** 13(3):808–12, Mar 76

Transduction of drug resistance to tetracycline, chloramphenicol, macrolides, lincomycin and clindamycin with phages induced from Streptococcus pyogenes. Ubukata K, et al. **J Antibiot (Tokyo)** 28(9):681–8, Sep 75

Bacitracin differentiation for presumptive identification of group A beta-hemolytic streptococci: comparison of primary and purified plate testing. Murray PR, et al. **J Pediatr** 89(4):576–9, Oct 76

Bacteremic infections due to clindamycin-resistant streptococci. Drapkin MS, et al. **JAMA** 236(3):263–5, 19 Jul 76

Characterization of the antibiotic resistance plasmid ERL1 from Streptococcus pyogenes. Malke H, et al. **Mol Gen Genet** 144(3):333–8, 30 Mar 76

Transfer of a plasmid mediating antibiotic resistance between strains of Streptococcus pyogenes in mixed cultures. Malke H. **Z Allg Mikrobiol** 15(8):645–9, 1975

[Sensitivity of Streptococcus A and B towards penicillin G, penicillin V, ampicillin and amoxicillin] Chabbert YA, et al. **Nouv Presse Med** 4(34):2437–40, 15 Oct 75 **(Fre)**

[Drug susceptibility of hemolytic streptococci isolated from patients with scarlet fever during 1973] Shibata M, et al. **J Jpn Assoc Infect Dis** 49(3):94–7, Mar 75 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Degradation of 14C-labeled streptococcal cell walls by egg white lysozyme and lysosomal enzymes. Gallis HA, et al. **Infect Immun** 13(5):1459–66, May 76

Application of a new method for detecting streptococcal nicotinamide adenine dinucleotide glycohydrolase to various M types of Streptococcus pyogenes. Lütticken R, et al. **J Clin Microbiol** 3(5):533–6, May 76

Isolation of streptococcal nuclease B by batch adsorption. Slechta TF, et al. **J Clin Microbiol** 2(6):528–30, Dec 75

[Antibody response to group A streptococcal exoenzymes (author's transl)] Lütticken R, et al. **Dtsch Med Wochenschr** 101(25):958–63, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Distribution of the isoenzymes of nucleases in group A Streptococci (author's transl)] Fach Hygiene and Mikrobiologie der Universität des Saarlandes in Homburg/Saar.. **Zentralbl Bakteriol [Orig A]** 234(4):462–72, May 76 (Eng. Abstr.) **(Ger)**

[Ultrastructure of L forms. Report 5. localization of dehydrogenase activity in L form cells] Kats LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):67–9, Feb 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Acute otitis media. A clinical bacteriological and serological study of children with frequent episodes of acute otitis media. Branefors-Helander P, et al. **Acta Otolaryngol (Stockh)** 80(5–6):399–409, Nov-Dec 75

The blastic transformation of human lymphocytes induced by streptococcal antigens. Mihalcu F, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):121–8, Jan-Jun 75

Anti-streptococcal antibodies reacting with brain tissue. II. Utrastructural studies. Dorling J, et al. **Br J Exp Pathol** 57(3):255–65, Jun 76

Anti-streptococcal antibodies reacting with brain tissue. I. Immunofluourescent studies. Kingston D, et al. **Br J Exp Pathol** 57(1):114–28, Feb 76

Lymphocyte transformation and macrophage migration inhibition by electrofocused and gel-filtered fractions of group A streptococcal filtrate. Seravalli E, et al. **Cell Immunol** 14(3):366–75, Dec 74

A hitherto unknown streptococcal antigen and its probable relation to acute poststreptococcal glomerulonephritis. Lange K, et al. **Clin Nephrol** 5(5):207–15, May 76

Age related carbohydrate content of mouse kidney glomerular basement membrane and its reactivity to antistreptococcal membrane antisera. Blue WT, et al. **Immunochemistry** 13(4):295–8, Apr 76

Immunity to pyogenic bacteria. pp. 351–4. Ginsburg I, et al. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.**

Autoimmunity in rheumatic fever: relationship to streptococcal antigens cross-reactive with valve fibroblasts, myofibres and smooth muscle. pp. 113–8. Kaplan MH. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (11 ref.)

Antigens of group A streptococci involved in passive hemagglutination reactions. Bisno AL, et al. **Infect Immun** 13(2):407–12, Feb 76

Characterization of group A streptococcal R-28 antigen purified by hydroxyapatite column chromatography. Johnson RH. **Infect Immun** 12(4):901–9, Oct 75

T antigen of Streptococcus pyogenes: isolation and purification. Ludwicka A. **Infect Immun** 13(3):993–4, Mar 76

Effects of a streptococcal lipoteichoic acid on host responses in mice. Miller GA, et al. **Infect Immun** 13(5):1408–17, May 76

Guanidine extraction of streptococcal M protein. Russell H, et al. **Infect Immun** 12(3):679–86, Sep 75

Antigenicity of the M proteins of group A hemolytic streptococci: further evidence for shared determinants among serotypes. Wittner MK. **Infect Immun** 13(2):634–42, Feb 76

Production of homocytotropic antibody against acid extracts isolated from group A streptococcal cell walls in intact and adrenalectomized rats. Okuni H, et al. **Int Arch Allergy Appl Immunol** 50(1):123–8, 1976

Stability of fluorescent antibody conjugates stored under various conditions. Green JH, et al. **J Clin Microbiol** 3(1):1–4, Jan 76

Enzyme-linked immunosorbent assay for streptococcal M protein antibodies. Russell H, et al. **J Clin Microbiol** 3(5):501–5, May 76

Antibody response of rabbit blood lymphocytes in vitro. Kinetics, clone size, and clonotype analysis in response to streptococcal group polysaccharide antigens. Braun DG, et al. **J Exp Med** 143(2):360–71, 1 Feb 76

Suppression of the antistreptolysin O response by cholesterol and by lipid extracts of rabbit skin. Kaplan EL, et al. **J Exp Med** 144(3):754–67, 1 Sep 76

Complex surveillance of Streptococcus pyogenes. II. Resistance in human blood and bactericidal activity receptors of field and collection streptococci. Kahlich R, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):207–16, 1975

Complex surveillance of Streptococcus pyogenes. III. Immunological characteristics of streptococcal resistance in blood and new aspects of type nonspecific protection. Kahlich R. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):61–75, 1976

Structural studies on induced antibodies with defined idiotypic specificities. III. N-terminal amino acid sequence of the heavy and light chains of mouse anti-streptococcal antibodies--A5A, S8, and S117. Capra JD, et al. **J Immunol** 117(1):7–10, Jul 76

Immunochemical properties of streptococcal M protein purified by isoelectric focusing. Cunningham M, et al. **J Immunol** 115(4):1002–6, Oct 75

The effect of heat-killed streptococci on the survival of heart grafts in inbred strains of mice. Davis WC, et al. **J Immunol** 116(1):86–8, Jan 76

Detection of antibodies to bacterial cell wall peptidoglycan in human sera. Heymer B, et al. **J Immunol** 117(1):23–6, Jul 76

Affinity-immunoadsorbent fractionation of rat anti-streptococcal A carbohydrate antibodies of restricted heterogeneity. Stankus RP, et al. **J Immunol Methods** 10(4):307–16, 1976

Asymptomatic epidemic acquisition of group A Streptococcus: antibody response to extracellular and type-specific antigens. Ayoub EM, et al. **J Infect Dis** 132(1):20–7, Jul 75

Characterization of the antibody response to type 12 M protein of group A streptococcus. Noble RC, et al. **J Lab Clin Med** 86(5):713–21, Nov 75

Streptococcus pyogenes preparation OK-432: immunoprophylactic and immunotherapeutic effects on the incidence of spontaneous leukemia in AKR mice. Aoki T, et al. **J Natl Cancer Inst** 56(3):687–90, Mar 76

Studies on the properties of a streptococcal preparation OK-432 (NSC-B116209) as an immunopotentiator. I. Activation of serum complement components and peritoneal exudate cells by group A streptococcus. Sakai S, et al. **Jpn J Exp Med** 46(2):123–33, Apr 76

Immunologic cross-reactivity between antisera to group A, type 12 streptococcal cell membrane and human glomerular basement membrane. The effect of age and carbohydrate content. Blue WT, et al. **Mech Ageing Dev** 5(3):209–19, May-Jun 76

Morphological and immunological characteristics of Streptococcus pyogenes, group A, type 50. Wildfeuer A, et al. **Med Microbiol Immunol (Berl)** 161(3):193–201, 2 Jul 75

Identical sequence of light chains from rabbit anti-streptococcal antibodies. Braun DG, et al. **Nature** 258(5533):363–5, 27 Nov 75

Reaction of thymus epithelial cells with antibodies to group A streptococcal polysaccharide. Lyampert IM, et al. **Scand J Immunol** 4(4):409–12, 1975

Natural infection of man with group A streptococci. Levels; restriction in class, subclass, and type; and clonal appearance of polysaccharide-group-specific antibodies. Riesen WF, et al. **Scand J Immunol** 5(4):383–90, 1976

Adjuvancy of streptococcal nucleic acids. Bültmann B, et al. **Z Immunitaetsforsch** 148(5):425–30, May 75

Studies on an immunosuppressant present in cytoplasmic preparations of beta-hemolytic streptococci. Finger H, et al. **Z Immunitaetsforsch** 147(5):449–61, Nov 74

Interaction of bacterial cell wall polymers and rat macrophages. Schwab JH, et al. **Z Immunitaetsforsch** 149(2–4):283–8, Jul 75

[Changes in the parathymic lymph nodes of the mouse after intraperitoneal injection of L forms of Streptococcus group A] Mauss H, et al. **C R Acad Sci [D] (Paris)** 279(10):879–82, Sep 74 **(Fre)**

[Antigenic similarities between streptococcus and tissues: evidence for new common antigens between streptococcus A and mammalian IgG] Pillot J, et al. **C R Acad Sci [D] (Paris)** 280(17):2057–60, 5 May 75 **(Fre)**

[Demonstration of cellular antibodies against streptococcal antigens in children (author's transl)] Knöll H, et al. **Z Immunitaetsforsch** 151(2):143–52, Apr 76 (Eng. Abstr.) **(Ger)**

[Studies on the lysis of streptococcus pyogenes (group A, type 1) by phage-associated lysin (author's transl)] Kühnemund O. **Z Immunitaetsforsch** 143(2):184–91, Mar 72 (Eng. Abstr.) **(Ger)**

[The occurrence of cross-reactive antigens in myocardial tissue and in Streptococcus pyogenes. III. Immunelectronmicroscopic demonstration of a cross-reactive antigen in primary cultures of rat heart cells (author's transl)] Wagner M, et al. **Z Immunitaetsforsch** 145(5):392–403, Sep 73 (Eng. Abstr.) **(Ger)**

[The occurrence of cross-reactive antigens in myocardial tissue and in Streptococcus pyogenes. II. Immunofluorescence demonstration of the cross-reactive antigen in primary cultures of rat heart cells (author's transl)] Wagner M, et al. **Z Immunitaetsforsch** 144(3):316–21, Oct 72 (Eng. Abstr.) **(Ger)**

[Cross reactive antigenes between hemolytic streptococci and cardiac muscle. I. Communication: experimental results on animals (author's transl)] Winterhoff D, et al. **Z Immunitaetsforsch** 143(1):76–93, Jan 72 **(Ger)**

[Seroepidemiological study on type T-12 group A streptococcus causing an epidemic of scarlet fever - with special reference to seroepidemiological study using T agglutinin] Morita M, et al. **J Jpn Assoc Infect Dis** 49(3):121–7, Mar 75 (Eng. Abstr.) **(Jpn)**

[Distribution of a cross-reacting antigen common to epithelium and group A streptococci in human and animal tissues] Beletskaia LV, et al. **Biull Eksp Biol Med** 81(2):212–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Immunofluorescent study of antibodies to streptococcus group A polysaccharides in connective tissue sections] Borodiiuk NA, et al. **Biull Eksp Biol Med** 81(4):443–4, 1976 (Eng. Abstr.) **(Rus)**

[Autoantibodies to the common antigenic determinant of group A streptococcal polysaccharide and epithelial cells of mammalian thymus and skin] Liampert IM, et al. **Biull Eksp Biol Med** 81(5):570–2, May 76 (Eng. Abstr.) **(Rus)**

[Cytotoxic effect on L-cells of lymphotoxin obtained during hypersensitivity of the delayed type to streptococcal antigens] Bazanova EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):115–20, 1976 (Eng. Abstr.) **(Rus)**

[Production of sera for determining group A Streptococcus using the precipitation in gel reaction] Borodiiuk NA, et al. **Zh Mikrobiol Epidemiol Immuaobiol** (8):62–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Comparative study of the antigens of Streptococcus group A. Rport I. Comparative characteristics of the immunologic activity of partially purified M-protien and the cytoplasmic protective antigen] Evseev VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):91–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Comparative study of group A streptococcal antigens. II. Comparative characteristics of several physico-chemical and immunochemical properties of partially purified M-protein and cytoplasmic protective antigen] Evseev VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):91–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Antibodies to the lipoproteinase of group A hemolytic streptococci in the blood of healthy and ill persons] Iontova IM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):49–53, Aug 75 (Eng. Abstr.) **(Rus)**

[The concentration of antibodies to several exoenzymes of beta-hemolytic streptococci in commercial preparations of gamma globulin] Khovanova AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):133–6, May 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Effects of selective media and atmosphere of incubation on the isolation of group A streptococci. Murray PR, et al. **J Clin Microbiol** 4(1):54–6, Jul 76

A study on beta-hemolytic streptococci isolated from the throats of healthy and sick school children in the Taipei area. Hsieh RP, et al. **J Formosan Med Assoc** 74(8):548–56, Aug 75

Group A beta hemolytic streptococcal sepsis in mother and infant twins. Nieburg PI, et al. **J Pediatr** 87(3):453, Sep 75

Neonatal group A streptococcal disease. Peter G, et al. **J Pediatr** 87(3):454–5, Sep 75

A penicillin shot without culturing the child's throat. Wannamaker LW. **JAMA** 235(9):913–4, 1 Mar 76

Quantitative throat-swab culture in the diagnosis of streptococcal pharyngitis in children. Bell SM, et al. **Lancet** 2(7976):62–3, 10 Jul 76

Letter: Quantitative throat-swab culture. George RH, et al. **Lancet** 2(7985):582, 11 Sep 76

[Identification of Group A streptococci from throats of school children in Northern Taiwan] Tai FH, et al. **Chin J Microbiol** 8(3):218–22, Sep 75 (Eng. Abstr.) **(Chi)**

[New screening method for group A Streptococcus by dextrose disk method] Akiyama H. **J Jpn Assoc Infect Dis** 49(11):441–8, Nov 74 (Eng. Abstr.) **(Jpn)**

[Evaluation of bacitracin-sensitivity test for the screening of group A hemolytic streptococci] Kashiwagi Y, et al. **J Jpn Assoc Infect Dis** 49(3):117–20, Mar 75 (Eng. Abstr.) **(Jpn)**

[Decrease in tetracycline-resistant strains and changes in type distribution of Group A hemolytic streptococci recently isolated from patients with scarlet fever] Misuno K, et al. **J Jpn Assoc Infect Dis** 50(2):33–7, Feb 76 (Eng. Abstr.) **(Jpn)**

[Transition in the distribution of types of group A streptococci (from April, 1969 to March, 1974) and annual changes of the predominant types in the past 10 years] Miyamoto Y, et al. **J Jpn Assoc Infect Dis** 49(3):86–93, Mar 75 (Eng. Abstr.) **(Jpn)**

[Pharyngeal hemolytic streptococci in children and tonsillectomized patients] Nakazawa H, et al. **J Jpn Assoc Infect Dis** 49(3):133–5, Mar 75 (Eng. Abstr.) **(Jpn)**

[Epidemiological investigation on group A streptococci from the pharynx of school children in a rural community] Okuyama Y, et al. **J Jpn Assoc Infect Dis** 49(3):128–32, Mar 75 (Eng. Abstr.) **(Jpn)**

[Antistreptolysin O in subjects with incidence of group a Streptococci in the upper respiratory tract (author's transl)] Stefanovič J, et al. **Bratisl Lek Listy** 64(6):685–91, Dec 75 (Eng. Abstr.) **(Slo)**

[Primary prevention of rheumatic fever. Occurrence of beta hemolytic Streptococcus of the A group in 11,314 students in Magdalena Contreras] Rodríguez RS, et al. **Bol Med Hosp Infant Mex** 32(6):991–1002, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Etiology of common impetigo] Banfi A, et al. **Rev Chil Pediatr** 46(1):31–3, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Diagnosis of throat infections with betahemolytic streptococci group A] Cars O, et al. **Lakartidningen** 72(35):3219–20, 27 Aug 75 (Eng. Abstr.) **(Swe)**

METABOLISM

Defective synthesis of lipid intermediates for peptidoglycan formation in a stabilized L-form of Streptococcus pyogenes. Reusch VM, et al. **J Bacteriol** 126(1):300–11, Apr 76

Membrane lipoteichoic acid of Streptococcus pyogenes and its stabilized L-form and the effect of two antibiotics upon its cellular content. Slabyj BM, et al. **J Bacteriol** 127(2):855–62, Aug 76

Binding of group A streptococci to human oral mucosal cells by lipoteichoic acid. Beachey EH. **Trans Assoc Am Physicians** 88:285–92, 1975

PATHOGENICITY

Pulmonary changes in neonatal sepsis to group B beta-hemolytic Streptococcus: relation of hyaline membrane disease. Katzenstein AL, et al. **J Infect Dis** 133(4):430–5, Apr 76

[Experimental arthritis in mice induced by hemolytic Streptococcus] Nishimura T. **Ryumachi** 15(3):215–30, Oct 75 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Adaptation of an osmotically fragile L-form of Streptococcus pyogenes to physiological osmotic conditions and its ability to destroy human heart cells in tissue culture. Leon O, et al. **Infect Immun** 13(1):252–62, Jan 76

[Differentiation of the causative agent of strangles from Streptococcus pyogenes] Moskalik RS. **Veterinariia** (4):102–3, Apr 75 **(Rus)**

ULTRASTRUCTURE

Membrane studies of Streptococcus pyogenes and its L-form growing in hypertonic and physiologically isotonic media. An electron spin resonance spectroscopy approach. Chevion M, et al. **Biochim Biophys Acta** 426(2):288–301, 5 Mar 76

STREPTOCOCCUS SANGUIS

Enhanced transformability with heterospecific deoxyribonucleic acid in a Streptococcus sanguis mutant impaired in ribonucleic acid polymerase activity. Raina JL, et al. **J Bacteriol** 127(1):380–91, Jul 76

ANALYSIS

DNA base sequence homologies among strains of Streptococcus sanguis. Coykendall AL, et al. **J Gen Microbiol** 91(1):92–8, Nov 75

CLASSIFICATION

Attributes of potential utility in differentiating among 'group H' streptococci or Streptococcus sanguis. Cole RM, et al. **J Dent Res** 55:A142–53, Jan 76

Strain typing of oral streptococci by the use of bacterial antagonism. Kolstad RA. **J Dent Res** 55:A154–65, Jan 76

CYTOLOGY

Relationship of the cell wall composition of group H streptococci and Streptococcus sanguis to their serological properties. Rosan B. **Infect Immun** 13(4):1144–53, Apr 76

In vitro attachment of Streptococcus sanguis to dental crown and bridge cements. Orstavik D, et al. **J Oral Rehabil** 3(2):139–44, Apr 76

DRUG EFFECTS

A transforming marker that produces merodiploids with high efficiency and stable transformants with low efficiency in Streptococcus. Ravin AW, et al. **Genetics** (3):421–43, Jul 75

Effect of a fluoride-containing chlorhexidine gel on bacteria in human plaque. Emilson CG, et al. **Scand J Dent Res** 84(2):56–62, Mar 76

IMMUNOLOGY

Characterization of an antibody directed against a surface component of normal and pleomorphic cells of Streptococcus sanguis. Eisenberg RJ, et al. **Infect Immun** 12(3):668–78, Sep 75

Some serological cross-reactions between Streptococcus mutans, S sanguis, and other dental plaque streptococci. Hardie JM, et al. **J Dent Res** 55 Spec No:C50–8, Apr 76

ISOLATION & PURIFICATION

Streptococcus sanguis: a model in the application in immunochemical analysis for the in situ localization of bacteria in dental plaque. Rosan B, et al. **J Dent Res** 55:A124–41, Jan 76

METABOLISM

Amino acid requirements and proteolytic activity of Streptococcus sanguis. Cowman RA, et al. **Appl Microbiol** 30(3):374–80, Sep 75

Studies on the bacterial components which bind Streptococcus sanguis and Streptococcus mutans to hydroxyapatite. Liljemark WF, et al. **Arch Oral Biol** 20(9):609–15, Sep 75

Genetic hybridization at the unlinked thy and str loci of Streptococcus. Ravin AW, et al. **Genetics** 81(2):223–41, Oct 75

Dextran-mediated interbacterial aggregation between dextran-synthesizing streptococci and Actinomyces viscosus. Bourgeau G, et al. **Infect Immun** 13(4):1228–34, Apr 76

Effect of pH on competence development and deoxyribonucleic acid uptake in Streptococcus sanguis (Wicky). Ranhand JM. **J Bacteriol** 126(1):205–12, Apr 76

Investigation of possible solvents for extracellular polysaccharides from Streptococcus mutans and Streptococcus sanguis. Lamberts BL, et al. **J Dent Res** 54(4):857–66, Jul–Aug 75

PHYSIOLOGY

Establishment and symbiosis of Actinomyces viscosus, Streptococcus sanguis and Streptococcus mutans in germ-free Osborne-Mendel rats. Mikx FH, et al. **Caries Res** 10(2):123–32, 1976

STREPTODORNASE see **DEOXYRIBONUCLEASE**

STREPTODORNASE AND STREPTOKINASE

ADMINISTRATION & DOSAGE

Preliminary studies on human 'transfer factor' activity in guinea pigs. Systemic transfer of cutaneous delayed-type hypersensitivity to PPD and SKSD. Welch TM, et al. **Clin Immunol Immunopathol** 5(3):407–15, May 76

PHARMACODYNAMICS

Inhibition of 3H-thymidine incorporation into human lymphocytes by dialyzable material of streptokinase-streptodornase. Kuroume T, et al. **Int Arch Allergy Appl Immunol** 50(4):402–15, 1976

Circadian rhythm of stimulated lymphocyte blastogenesis. A 24 hour cycle in the mixed leukocyte culture reaction and with SKSD stimulation. Kaplan MS, et al. **J Allergy Clin Immunol** 58(1 PT. 2):180–9, Jul 76

Lowering of the tumoricide activity of human serum with Varidase. II. Antibodies against Varidase in human serum measured by complement binding. Mikolášek J. **Neoplasma** 22(3):279–84, 1975

STANDARDS

Delayed skin reactor from streptokinase-streptodornase: stability studies and amino acid analysis. Tomar RH. **Int Arch Allergy Appl Immunol** 50(2):220–4, 1976

THERAPEUTIC USE

Improvement of fertility and semen quality in men treated with a combination of anticongestive and antibiotic drugs. Homonnai TZ, et al. **Int J Fertil** 20(1):45–9, 1975

[Conservative enzyme therapy of extensive hematomas] Quakernack K, et al. **Med Welt** 27(24):1201–3, 11 Jun 76 **(Ger)**

STREPTOKINASE

see related
STREPTODORNASE AND STREPTOKINASE

Improvement of perfusion-flow in the isolated rat liver, under the influence of streptase. Duca S, et al. **Arzneim Forsch** 26(5):858–62, 1976

Interaction of streptokinase with plasminogen. Isolation and characterization of a streptokinase degradation product. Siefring GE Jr, et al. **J Biol Chem** 251(13):3913–20, 10 Jul 76

Letter: Technetium labeling of streptokinase at low pH. Hale TI. **J Nucl Med** 17(3):226–7, Mar 76

[Stability of streptokinase in various media with varying temperatures] Martin M, et al. **Verh Dtsch Ges Inn Med** 81:1154–5, 1975 **(Ger)**

ADMINISTRATION & DOSAGE

Treatment of deep-vein thrombosis with intermittent streptokinase and plasminogen infusion. Kakkar VV, et al. **Lancet** 2(7937):674–6, 11 Oct 75

Discontinued thrombolytic treatment: initial biological results. Aiach M, et al. **Sem Hop Paris** 51(19):1285–90, 20 Apr 75 (Eng. Abstr.) **(Fre)**

[Rapid intravenous injection of streptokinase in a high initial dose for therapy of a fulminant pulmonary embolism (author's transl)] Borst RH, et al. **Anaesthesist** 25(8):398–401, Aug 76 (Eng. Abstr.) **(Ger)**

[Dosage of long-term streptokinase fibrinolytic administration (author's transl)] Theiss W, et al. **Dtsch Med Wochenschr** 100(38):1887–91, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Characterization of various streptokinase dosage schedules through quantitative streptokinase, plasminogen and plasmin determinations in the plasma of patients] Büchner U, et al. **Verh Dtsch Ges Inn Med** 81:1152–5, 1975 **(Ger)**

ADVERSE EFFECTS

Temporary changes in the renal function following

streptokinase therapy. A case report. Spangen L, et al. **Acta Med Scand** 199(4):335–6, 1976

[Mediastinal hemorrhage complicating combined streptokinase–anticoagulant therapy (author's transl)] Henscher L, et al. **Roentgenblaetter** 28(8):380–4, Aug 75 (Eng. Abstr.) **(Ger)**

[Complications of thrombolysis–therapy] Brinckmann W, et al. **Zentralbl Chir** 101(8):477–81, 1976 **(Ger)**

ANTAGONISTS & INHIBITORS

[Resistance test to streptokinase. Its value in the establishing of a thrombolytic treatment using this enzyme] Levy G, et al. **Ann Anesthesiol Fr** 16(7):513–7, Nov 75 (Eng. Abstr.) **(Fre)**

[Comparison of the streptozyme test with titration of antistreptolysin, antistreptokinase and antistreptohyaluronidase] Lamanna A, et al. **Quad Sclavo Diagn** 11(3):632–8, Sep 75 (Eng. Abstr.) **(Ita)**

[Dynamics of serum complement and antistreptokinase in post–streptococcal glomerulonephritis] Domnişoru L, et al. **Rev Med Intern [Med Intern]** 27(5):359–64, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

BLOOD

Proceedings: The rapid fibrin plate — a method for streptokinase assay. Marsh NA, et al. **Thromb Diath Haemorrh** 34(1):335, 30 Sep 75

[The technique of quantitative determination of streptokinase in the patient's plasma (author's transl)] Auel H, et al. **Klin Wochenschr** 53(17):809–14, 1 Sep 75 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Labeling and testing of 99mTc–streptokinase for the diagnosis of deep vein thrombosis. Persson BR, et al. **J Nucl Med** 16(6):474–7, Jun 75

IMMUNOLOGY

Lymphocyte transformation using streptococcal antigens and serum antistreptokinase titers in Behçet disease. Yamada M, et al. **J Dermatol (Tokyo)** 2(4):179–85, Dec 75

Streptokinase resistance test in patients with streptococcal infection and/or high antistreptolysin titers. Aznar J, et al. **Scand J Haematol** 16(2):141–3, Feb 76

Streptokinase resistance test in a group of Mediterranean people and its possible variations as regards sex and age. Aznar J, et al. **Scand J Haematol** 16(5):383–6, May 76

Immunological comparison of native streptokinase with streptokinase fragments. Barlow GH, et al. **Thromb Res** 8(2):237–42, Feb 76

[Reaction mechanism in streptozyme test: its correlation with the index of multiple antibody titers of antistreptolysin O (ASO), anti–streptokinase(ASK) and anti–hyaluronidase(AH)] Oda T. **J Jpn Assoc Infect Dis** 49(9):350–7, Sep 75 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Purification of group C streptococcal extracellular antigens detected with naturally occurring human antibodies: isolation of streptokinase and two previously undescribed antigens. Kiefer D, et al. **Infect Immun** 13(2):501–12, Feb 76

METABOLISM

[The effect of activator on the esterase activity of plasmin obtained by streptokinase] Potron G, et al. **C R Soc Biol (Paris)** 169(4):1029–33, 1975 (Eng. Abstr.) **(Fre)**

[Animal experimental studies on the pharmacokinetics of streptokinase] Klöcking HP, et al. **Acta Biol Med Ger** 34(4):655–60, 1975 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Kinetic mechanism of the activation of human plasminogen by streptokinase. Kosow DP. **Biochemistry** 14(20):4459–65, 7 Oct 75

Streptolinase and serum enzymes. Shepherd JT, et al. **Br Med J** 1(6009):562, 6 Mar 76

Effect of dextran, heparin, and split products (streptokinase–induced) on the resulting fibrin cross–linking effect in plasma clotted in vitro. pp. 73–8. Feddersen C, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Assessment of plasminogen activity in human plasma and clots: comparison of activation induced by enzymatic and synthetic fibrinolytic agents. pp. 181–95. Kosser M, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Influence of fibrin subunit structure on the resistance of clots to streptokinase–induced fibrinolytic activity. pp. 79–84. Rasche H.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Effect of human serum plus streptokinase on spontaneous pulmonary metastases of Vx2 carcinomas transplanted in the maxillary sinus of the rabbit. Sugimura M, et al. **Int J Oral Surg** 4(3):112–20, Jul 75

Proceedings: Inhibition of human platelet aggregation by the proteolytic effect of streptokinase (SK). Role of the factor VIII related antigen. Castillo R, et al. **Thromb Diath Haemorrh** 34(2):574, 15 Nov 75

Proceedings: Fibrinolysis versus fibrinogenolysis: the specificity of human vascular activator (VA) as compared to urokinase (UK) and streptokinase (SK). Lipinski B, et al. **Thromb Diath Haemorrh** 34(1):351, 30 Sep 75

Proceedings: In vitro studies on thrombolysis with plasminogen and streptokinase. Rice LR, et al. **Thromb Diath Haemorrh** 34(1):334–5, 30 Sep 75

[Influence of a streptokinase–induced fibrinolysis on the extent of the acute experimental myocardial infarction (author's transl)] Wende W, et al. **Klin Wochenschr** 53(16):755–60, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Study of the dynamics of fibrinolysis in a thin layer under the influence of streptokinase] Efimov VS, et al. **Farmakol Toksikol** 38(4):436–41, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Is streptokinase useful in the treatment of deep vein thrombosis? Bieger R, et al. **Acta Med Scand** 199(1–2):81–8, 1976

Streptokinase treatment of deep venous thrombosis of the lower extremity. Clinical, phlebographic and plethysmographic evaluation of early and late results. Johansson E, et al. **Acta Med Scand** 199(1–2):89–94, 1976

Comparison of heparin and streptokinase in the treatment of venous thrombosis. Porter JM, et al. **Am Surg** 41(9):511–19, Sep 75

Proceedings: A new approach to thrombolytic therapy. Kakkar VV, et al. **Br J Surg** 62(8):666, Aug 75

Streptokinase in central retinal vein occlusion: a controlled clinical trial. Kohner EM, et al. **Br Med J** 1(6009):550–3, 6 Mar 76

Late streptokinase therapy in thrombotic microangiopathy: a case study. Beaufils M, et al. **Clin Nephrol** 4(4):160–3, Oct 75

Urokinase & streptokinase in pulmonary embolism. Simon TL, et al. **Compr Ther** 2(8):18–22, Aug 76

Streptonkinase therapy: its indications, technique and saftey in a developing country. Colin JF, et al. **East Afr Med J** 52(9):495–503, Sep 75

A study of streptokinase therapy in acute pulmonary embolism. Chavatzas D. **J Cardiovasc Surg (Torino)** 16(4):404–8, Jul–Aug 75

Thrombolytic therapy: Current status. Fratantoni JC, et al. **N Engl J Med** 293(21):1073–8, 20 Nov 75

[Thrombolytic therapy in acute and chronic arteriopathy] Verstraete M. **Przegl Lek** 33(3):349–56, 1976 **(Eng, Pol)**

Criteria for successful thrombolysis by streptokinase. Flute PT. **S Afr Med J** 50(6):170–2, 7 Feb 76

Some clinical problems in patients undergoing thrombolytic therapy. Roberts WM. **S Afr Med J** 50(8):243–7, 21 Feb 76

Fibrinolytic treatment of postoperative deep venous thrombosis. Gierckskxy KE, et al. **Surg Gynecol Obstet** 141(4):576–8, Oct 75

Proceedings: Quantitative activator determination in the plasma of patients undergoing fibrinolytic treatment. Martin M, et al. **Thromb Diath Haemorrh** 34(1):335, 30 Sep 75

Proceedings: Fibrinolytic therapy in central retinal vein occlusion. Pettit JE, et al. **Thromb Diath Haemorrh** 34(2):569, 15 Nov 75

Proceedings: Indications and results of fibrinolytic treatment with streptokinase in chronic arterial stenoses and occlusions; a multicentre trial of 708 patients. Schmutzler R. **Thromb Diath Haemorrh** 34(2):569, 15 Nov 75

Streptokinase and urokinase in the treatment of pulmonary thromboemboli; from a national cooperative study. Bell WR. **Thromb Haemostas** 35(1):57–69, 29 Feb 76

The inhibition of plasmin by antithrombin III–heparin complex in vitro in human plasma and during streptokinase therapy in man. Telesforo P, et al. **Thromb Res** 7(4):669–76, Oct 75

Streptokinase in the treatment of central retinal vein occlusion. A controlled trial. Kohner EM, et al. **Trans Ophthalmol Soc UK** 94(2):599–603, Jul 74

A study of streptokinase in deep vein thrombosis of the lower extremities. Chavatzas D, et al. **Vasa** 4(1):68–72, 1975

[Action of streptase on the formation of postoperative peritoneal adhesions (experimental studies)] Mitov F. **Khirurgiia (Sofiia)** 28(6):540–5, 1975 (Eng. Abstr.) **(Bul)**

[Contribution to the thrombolytic treatment with streptokinase] Sochor K. **Cas Lek Cesk** 114(42):1312–3, 17 Oct 75 **(Cze)**

[Streptokinase in the treatment of purulent meningitis in newborn infants and infants] Ringelová J. **Cesk Pediatr** 31(3):163–6, Mar 76 (Eng. Abstr.) **(Cze)**

[Treatment of thrombosis of the coronary vessels with streptokinase] Tricot R, et al. **Boll Soc Ital Cardiol** 17(9):698–700, 1972 **(Fre)**

[Letter: Thrombolytic treatment in subacute and chronic pulmonary arterial thrombosis] Chiche P, et al. **Nouv Presse Med** 5(22):1428–9, 29 May 76 **(Fre)**

[Treatment of deep venous thromboses using a plasminogen–streptokinase sequence. Preliminary study] Kakkar VV, et al. **Nouv Presse Med** 5(15):981–3, 10 Apr 76 **(Fre)**

[Fibrinolytic treatment of myocardial infarct or acute coronary insufficiency] Cousteau JP. **Sem Hop Ther** 52(4):239–41, Apr 76 **(Fre)**

[Treatment of myocardial infarct with streptokinase] Valère PE, et al. **Sem Hop Ther** 51(1):23–6, Jan 75 **(Fre)**

[Fibrinolytic treatment of peripheral artery disease and phlebothrombosis (author's transl)] Trübestein G, et al. **Dtsch Med Wochenschr** 100(34):1687–94, 22 Aug 75 (Eng. Abstr.) **(Ger)**

[The treatment of thrombosis in pregnancy (author's transl)] Joswig EH, et al. **Geburtshilfe Frauenheilkd** 35(12):932–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Streptokinase therapy of deep vein thrombosis in the leg and pelvis] Schmutzler R. **Med Welt** 27(25):1248–50, 18 Jun 76 **(Ger)**

[Late lysis therapy of chronic arterial occlusion. A new way to improve results (author's transl)] Müller–Fassbender H, et al. **Munch Med Wochenschr** 117(37):1461–2, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Angiographic following–up after recovery of the venous stream path of extremities by streptokinase therapy (author's transl)] Waigand J, et al. **Radiol Diagn (Berl)** 16(3):401–8, 1975 (Eng. Abstr.) **(Ger)**

[Disseminated intravascular coagulation and acute renal failure in an infant. Treated with streptokinase and peritoneal dialysis (author's transl)] Muntean W, et al. **Wien Klin Wochenschr** 87(23):792–6, 12 Dec 75 **(Ger)**

[Comparison of short and protracted streptokinase therapy in acute myocardial infarction] Wegner H, et al. **Z Gesamte Inn Med** 30(18):186–9, 15 Sep 75 (Eng. Abstr.) **(Ger)**

[Anticoagulants and fibrinolytics in pregnancy] Walther C. **Zentralbl Gynaekol** 98(8):465–7, 1976 (Eng. Abstr.) **(Ger)**

[Influence of fibrinolytic therapy on serum levels of some enzymes in myocardial infarct] Salvadè P, et al. **Boll Soc Ital Cardiol** 17(12):1251–6, 1972 (Eng. Abstr.) **(Ita)**

[Studies on the use of streptokinase in the destruction of the arteriovenous bypass] Bandiani G, et al. **Minerva Nefrol** 18(6):298–301, Nov–Dec 71 (Eng. Abstr.) **(Ita)**

Streptokinase in the destruction and preservation of arteriovenous bypass during hemodialysis] Mastrangelo F, et al. **Minerva Nefrol** 18(6):289–97, Nov–Dec 71 (Eng. Abstr.) **(Ita)**

[Case of pulmonary embolism cured by emergency inferior caval vein ligation and streptokinase administration] Rawa M, et al. **Pol Przegl Chir** 48(7):943–5, Jul 76 (Eng. Abstr.) **(Pol)**

[Early and late results of thrombolytic treatment of deep vein thrombosis] Meissner AJ, et al. **Pol Tyg Lek** 30(43):1787–90, 27 Oct 75 (Eng. Abstr.) **(Pol)**

[Experience in the treatment of acute myocardial infarct with streptokinase] Luchivianskiĭ M, et al. **Ter Arkh** 47(7):51–4, 1975 (Eng. Abstr.) **(Rus)**

[Fibrinolytic treatment in acute juvenile bronchiolitis] Gočárová K, et al. **Vnitr Lek** 22(2):120–4, Feb 76 (Eng. Abstr.) **(Slo)**

[Obstructions of venae cavae (superior and inferior). Treatment with fibrinolytic agents (Streptase)] Zucchelli AL, et al. **Angiologia** 27(6):289–97, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Treatment of chronic arterial thrombosis with streptokinase] Lasierra J, et al. **Rev Clin Esp** 141(2):187–90, 30 Apr 76 **(Spa)**

STREPTOLYDIGIN see under **ANTIBIOTICS**

STREPTOLYSIN

ADVERSE EFFECTS

[Morphology of cutaneomuscular changes in rats treated with Freund's adjuvant, collagen and streptolysin O] Cylwik B, et al. **Patol Pol** 26(4):501–9, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

ANALYSIS

Cellular location of streptolysin O. Calandra GB, et al. **Infect Immun** 12(4):750–3, Oct 75

Relationship of cellular potential hemolysin in group A streptococci to extracellular streptolysin S. Calandra GB, et al. **Infect Immun** 13(3):813–7, Mar 76

ANTAGONISTS & INHIBITORS

Partial characterisation of an inhibitor of streptolysin O produced by bacterial growth in serum. Watson KC, et al. **J Med Microbiol** 8(4):465–76, Nov 75

[Role of phosphorylcholine group on inhibiting capacity of lecithin–cholesterol liposomes on streptolysin O] Delattre J, et al. **C R Acad Sci [D] (Paris)** 280(9):1165–8, 3 Mar 75 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

[The production and standardization of streptolysin–O] Kihçturgay K, et al. **Mikrobiyol Bul** 10(2):179–88, Feb 76 (Eng. Abstr.) **(Tur)**

DIAGNOSTIC USE

[Serological screening of streptococci. Comparison of 2 methods of slide agglutination, one with streptolysin alone, the other with several enzymes (Streptozymes)] de Rautlin

Y de la Roy. **Pathol Biol (Paris)** 23(7):575–83, Sep 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Suppression of the antistreptolysin O response by cholesterol and by lipid extracts of rabbit skin. Kaplan EL, et al. **J Exp Med** 144(3):754–67, 1 Sep 76

Streptokinase resistance test in patients with streptococcal infection and/or high antistreptolysin titers. Aznar J, et al. **Scand J Haematol** 16(2):141–3, Feb 76

ISOLATION & PURIFICATION

[Heterogeneity of streptolysin O] Kobayashi S, et al. **Jpn J Bacteriol** 30(1):236, Jan 75 **(Jpn)**

METABOLISM

Interaction of steptolysin O with sterols. Prigent D, et al. **Biochim Biophys Acta** 443(2):288–300, 16 Aug 76

PHARMACODYNAMICS

Inhibition by zinc of hemolysis induced by bacterial and other cytolytic agents. Avigad LS, et al. **Infect Immun** 13(5):1378–81, May 76

Characteristics of streptolysin S hemolysis. Duncan JL, et al. **Infect Immun** 14(1):77–82, Jul 76

Evidence for a one-hit theory in the immune bactericidal reaction and demonstration of a multi-hit response for hemolysis by streptolysin O and Clostridium perfringens theta-toxin. Inoue K, et al. **Infect Immun** 13(2):337–44, Feb 76

Proceedings: Interaction of cereolysin and streptolysin O with red blood cell membrane cholesterol. Shany S, et al. **Isr J Med Sci** 11(11):1188–9, Nov 75

Effect of streptolysin O on erythrocyte membranes, liposomes, and lipid dispersions. A protein–cholesterol interaction. Duncan JL, et al. **J Cell Biol** 67(1):160–74, Oct 75

[Lymphocyte transformation in glomerulonephritis. Studies with phytohemagglutinin, streptolysin-O and glomerular basement membrane] Nakabayashi K. **Jpn J Nephrol** 17(7):619–28, Jul 75 (Eng. Abstr.) **(Jpn)**

STREPTOMYCES

Antibiotic A–130, isolation and characterization. Kubota T, et al. **J Antibiot (Tokyo)** 28(12):931–4, Dec 75

Genetic studies on SCP1–prime strains of Streptomyces coelicolor A3(2). Hopwood DA, et al. **J Gen Microbiol** 95(1):107–20, Jul 76

Molecular weight of DNA from actinophage MSP2. Lancaster WD, et al. **J Virol** 16(3):736–40, Sep 75

[Metabolic products of microorganisms, 149. Lysolipin I, a new antibiotic from streptomyces violaceoniger (author's transl)] Drautz H, et al. **Arch Microbiol** 106(3):175–90, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Production in an Actinomyces levoris culture under the action of an actinophage specific to it of variants with stable preservation of its resistance to the phage] Zhuravleva NP, et al. **Antibiotiki** (9):787–91, Sep 75 (Eng. Abstr.) **(Rus)**

[Temperature-sensitive mutants of actinophage phi C31 of Streptomyces coelicolor A3(2)] Chinenova TA, et al. **Genetika** 11(5):132–41, 1975 (Eng. Abstr.) **(Rus)**

[Temperature-sensitive mutants of actinophage phi C31 of Streptomyces coelicolor A3(2)] Chinenova TA, et al. **Genetika** 11(5):132–41, 1975 (Eng. Abstr.) **(Rus)**

[Suppressor-sensitive mutation of Streptomyces coelicolor A3(2) and actinophage phi C31] Danilenko VN, et al. **Genetika** 10(1):167–70, Jan 74 (Eng. Abstr.) **(Rus)**

[Characteristics of hybrid strains of actinomycetes, prepared by crossing Streptomyces coelicolor A3(2) and Streptomyces lividans 66 strains] Danilenko VN, et al. **Genetika** 11(11):67–78, 1975 (Eng. Abstr.) **(Rus)**

[Hybridization in Actinomycetes] Lomovskaia ND, et al. **Genetika** 11(6):180–3, 1975 (Eng. Abstr.) **(Rus)**

[Spontaneous variability of antibiotic biosynthesis in relation to morphogenetic processes in Actinomyces chromogenes var. trienicus] Sokolova ZG, et al. **Genetika** 11(8):115–21, 1975 (Eng. Abstr.) **(Rus)**

[Factors causing lysis of an Actinomyces rimosus culture, the producer of the antibiotic, oxytetracycline] Rautenshtein IaI, et al. **Mikrobiologiia** 44(5):899–904, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Estimate of the genome size by renaturation studies in Streptomyces. Benigni R, et al. **Appl Microbiol** 30(2):324–6, Aug 75

Purification and properties of an anti-B hemagglutinin produced by Streptomyces sp. Fujita Y, et al. **Biochemistry** 14(20):4465–70, 7 Oct 75

Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. Akasaka K, et al. **Biochim Biophys Acta** 412(1):120–6, 18 Nov 75

Structure and fluctuation of a Streptomyces subtilisin inhibitor. Nakanishi M, et al. **Biochim Biophys Acta** 434(2):365–76, 15 Jun 76

Alkaloids from Streptomyces sp. NA–337. Onda M, et al. **Chem Pharm Bull (Tokyo)** 22(12):2916–20, Dec 74

Letter: Revised structure for an alkaloid from Streptomyces sp. NA–337. Onda M, et al. **Chem Pharm Bull (Tokyo)** 23(10):2462–3, Oct 75

Structure of minosaminomycin. Iinuma K, et al. **J Antibiot (Tokyo)** 28(8):613–5, Aug 75

Antimetabolites produced by microorganisms. XV synthesis of 2-methyl-arginine, 2-methyl-l-ornithine and their enantiomers. Maehr H, et al. **J Antibiot (Tokyo)** 29(3):213–20, Mar 76

S-2,3-dicarboxy-aziridine, a new metabolite from a Streptomyces. Naganawa H, et al. **J Antibiot (Tokyo)** 28(10):828–9, Oct 75

Rapamycin (AY–22,989), a new antifungal antibiotic. II. Fermentation, isolation and characterization. Sehgal SN, et al. **J Antibiot (Tokyo)** 28(10):727–32, Oct 75

Isolation of isoflavones inhibiting DOPA decarboxylase from fungi and streptomyces. Umezawa H, et al. **J Antibiot (Tokyo)** 28(12):947–52, Dec 75

Isolation and structure of an extracellular polysaccharide from streptomyces sp. FERM–P1185. Miyazaki T, et al. **J Gen Microbiol** 95(1):31–8, Jul 76

Isolation of chromomycin A3 from a new subspecies of Streptomyces. Skarbek JD, et al. **Lloydia** 38(5):369–77, Sep–Oct 75

[Isolation and separation of nucleic acids from Streptomyces hydrogenans (author's transl)] Betz J, et al. **Hoppe Seylers Z Physiol Chem** 356(3):349–56, Mar 75 (Eng. Abstr.) **(Ger)**

[The physiology and biochemistry of Streptomycetes. 5. Isolation and identification of fatty acids from the macrolide antibiotic A 6599 (turimycin)] Reuter G, et al. **Pharmazie** 31(3):190–1, 1976 **(Ger)**

[Determination of protein in streptomycetes by means of bromphenol blue] Hilliger M, et al. **Z Allg Mikrobiol** 15(7):505–12, 1975 **(Ger)**

[Study of the carbohydrate content in the mycelia of an active strain producing oxytetracycline and in an inactive mutant] Bryzgalova TE, et al. **Antibiotiki** 20(4):324–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the chemical makeup of the mycelium from an active strain of Act. rimosus and from an inactive mutant in relaiton to oxytetracycline biosynthesis] Bryzgalova TE, et al. **Antibiotiki** 21(1):14–19, Jan 76 (Eng. Abstr.) **(Rus)**

[Teichoic acid content in the cell wall of Actinomyces rimosus LST–118 in the process of ontogeny] Dmitrieva NF, et al. **Antibiotiki** 21(7):593–6, Jul 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Antiviral antibiotic S15–1. Taxonomy of the producing strain and study of conditions for production of the antibiotic. Kawamura T, et al. **J Antibiot (Tokyo)** 29(3):242–7, Mar 76

Taxonomic studies on Streptomyces aquacanus, antibiotic AB–74–producing organism. Tamura A, et al. **J Antibiot (Tokyo)** 29(5):592–4, May 76

Rapamycin (AY–22,989), a new antifungal antibiotic. I. Taxonomy of the producing streptomycete and isolation of the active principle. Vézina C, et al. **J Antibiot (Tokyo)** 28(10):721–6, Oct 75

A model for automatic identification of streptomycetes. Gyllenberg HG, et al. **Postepy Hig Med Dosw** 29(3):357–83, May–Jun 75

Classification of streptomycetes by different numerical methods. Kurylowicz W, et al. **Postepy Hig Med Dosw** 29(3):281–355, May–Jun 75

[Actinomyces globispororoseus var. granaticus var. nov., a new producer of granaticins] Barashkova NP, et al. **Antibiotiki** 21(7):582–6, Jul 76 (Eng. Abstr.) **(Rus)**

[New antibiotic, parvulomycin, produced by a culture of Actinomyces parvullus var. chromogenes var. nov] Iakovleva EP, et al. **Antibiotiki** 21(1):38–40, Jan 76 (Eng. Abstr.) **(Rus)**

[Actinomyces fulvoviolaceus ver. achromogenes var. nov., a producer of the new heptaene complex, fulvomycin] Tsyganov VA, et al. **Antibiotiki** 20(7):579–84, Jun 75 (Eng. Abstr.) **(Rus)**

[Actinomyces cyaneofuscatus, producer of valinomycin. A study of its pigements and antibiotics] Koloditskaia AT, et al. **Izv Akad Nauk SSSR [Biol]** (5):694–700, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Systematic position of Streptomyces luteofluorescens] Preobrazhenskaia TP, et al. **Mikrobiologiia** 44(3):524–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

[Polymorphism of a culture of the chromomycin producer, Actinomyces aburaviensis var. verrucosus] Vinogradova KA, et al. **Antibiotiki** 20(5):397–403, May 75 (Eng. Abstr.) **(Rus)**

[Study of the structure of colonies of active and inactive Actinomyces parvullus variants using luminescence and scanning microscopy] Zaslavskaia PL, et al. **Antibiotiki** 20(4):329–32, Apr 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Mutagenic action of N-nitrosodimethylurea on Actinomyces rimosus and Penicillium chrysogenum] Domracheva AG, et al. **Antibiotiki** 21(6):501–7, Jun 76 (Eng. Abstr.) **(Rus)**

[Effect of the phosphorus concentration on novobiocin formation by the producer Act. spheroides] Gracheva IV, et al. **Antibiotiki** 20(10):871–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Some characteristics of using polyalcohols as cryoprotectors in preserving Actinomyces noursei LIA–0471] Konev IuE, et al. **Antibiotiki** 20(4):342–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Spontaneous and induced variability in Actinomyces rubiginosohelvolus, a new producer of the antibiotic rubomycin] Lapchinskaia OA, et al. **Antibiotiki** 20(12):1061–5, 1975 (Eng. Abstr.) **(Rus)**

[Action of hygromycin B on the producers of levorin and mycoheptin] Zhukova RA, et al. **Antibiotiki** 20(10):880–5, Oct 75 (Eng. Abstr.) **(Rus)**

[The mutagenic effect of new chemical substances. III. The mutagenic effect of several hydroxylamine derivatives] Paronikian GM, et al. **Genetika** 11(10):105–10, 1975 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Non-specific acetyl-CoA carboxylase and methylmalonyl-CoA carboxyltransferase in Streptomyces noursei var. polifungini. Rafalski A, et al. **Acta Biochim Pol** 22(4):311–7, 1975

Properties of delta5-3beta-hydroxysteroid oxidoreductase isolated from Streptomyces griseocarneus. Kerényi G, et al. **Acta Microbiol Acad Sci Hung** 22(4):487–96, 1975

17Beta-hydroxysteroid dehydrogenase activity in Streptomyces hydrogenans. Markert C, et al. **Acta Microbiol Acad Sci Hung** 22(4):503–7, 1975

Production and property of beta-lactamases in Streptomyces. Ogawara H. **Antimicrob Agents Chemother** 8(4):402–8, Oct 75

D-Glucose isomerase: constitutive and catabolite repression-resistant mutants of Streptomyces phaeochromogenes. Sanchez S, et al. **Appl Microbiol** 30(5):750–4, Nov 75

Degradation of benzylpenicillin by the exocellular DD-carboxypeptidase-transpeptidase from Streptomyces R 61. Frère JM, et al. **Arch Int Physiol Biochim** 83(5):905–7, Dec 75

Mode of interaction between beta-lactam antibiotics and the exocellular DD-carboxypeptidase—transpeptidase from Streptomyces R39. Fuad N, et al. **Biochem J** 155(3):623–9, 1 Jun 76

Purine nucleotide pyrophosphotransferase from Streptomyces morookaensis, capable of synthesizing pppApp and pppGpp. Oki T, et al. **Biochim Biophys Acta** 410(2):262–72, 18 Dec 75

The catalytic activity and penicillin sensitivity in the liquid and frozen states of membrane-bound and detergent-solubilised transpeptidase of Streptomyces R61. Dusart J, et al. **Eur J Biochem** 56(1):57–65, 1 Aug 75

Kinetics of interaction between the exocellular DD-carboxypeptidase-transpeptidase from Streptomyces R61 and beta-lactam antibiotics. A choice of models. Frère JM, et al. **Eur J Biochem** 57(2):343–51, 15 Sep 75

Interaction between the exocellular DD-carboxypeptidase-transpeptidase from Streptomyces R61, substrate and beta-lactam antibiotics. A choice of models Frère JM, et al. **Eur J Biochem** 57(2):353–9, 15 Sep 75

Role of sulfhydryl group in the structure and function of alkaline proteases from a thermophilic actinomycete, Streptomyces rectus var. proteolyticus. Mizusawa K, et al. **Experientia** (26):61–6, 1976

The direction of peptide trimer synthesis from the donor–acceptor substrate Nalpha-(acetyl)-Nepsilon-(glycyl)-L-lysyl-D-alanyl-D- by the exocellular dd-carboxypeptidase-transpeptidase of Streptomyces R61. Frère JM, et al. **FEBS Lett** 63(1):112–6, 15 Mar 76

The amino acid sequence of ribonuclease St. Yoshida N, et al. **FEBS Lett** 64(1):122–5, 15 Apr 76

[Enzyme induction in Streptomyces hydrogenans, VI. Studies on the induction of 20beta-hydroxysteroid dehydrogenase, using immunological methods. Betz J, et al. **Hoppe Seylers Z Physiol Chem** 357(6):777–82, Jun 76

Induction of cellulolytic enzymes in Streptomyces caespitosus. Patni NJ, et al. **Indian J Exp Biol** 13(6):551–4, Nov 75

Isolation of a trypsin-like enzyme from Streptomyces paromomycinus (paromotrypsin) by affinity adsorption through Kunitz inhibitor-sepharose. Chauvet J, et al. **Int J Pept Protein Res** 8(1):45–55, 1976

Studies on mikamycin B lactonase. I. Degradation of mikamycin B by Streptomyces mitakaensis. Kim CH, et al. **J Antibiot (Tokyo)** 27(12):903–8, Dec 74

Biosynthesis of maltotetraose as an antibiotic against Erwinia carotovora by a streptomyces amylase. Tanaka M, et al. **J Antibiot (Tokyo)** 28(11):920–3, Nov 75

Production, purification, and characterization of an extracellular chitosanase from Streptomyces. Price JS, et al. **J Bacteriol** 124(3):1574–85, Dec 75

Studies on phospholipases from Streptomyces. III. Purification and properties of Streptomyces hachijoensis phospholipase C. Okawa Y, et al. **J Biochem (Tokyo)** 78(3):537–45, Sep 75

Studies on phospholipases from Streptomyces. II. Purification and properties of Streptomyces hachijoensis phospholipase D. Okawa Y, et al. **J Biochem (Tokyo)** 78(2):363–72, Aug 75

Some enzymatic properties of 3beta-hydroxysteroid oxidase produced by Streptomyces violascens. Tomioka H, et al. **J Biochem (Tokyo)** 79(5):903–15, May 76

Subunit structure and amino acid composition of xylose isomerase from Streptomyces albus. Hogue-Angeletti RA. **J Biol Chem** 250(19):7814–8, 10 Oct 75

Purification and characterization of a Streptomyces albus endo-N-acetylmuramidase lytic for group A and other beta

haemolytic streptococci. Heymer B, et al. **Microbios** 12(47–48):51–66, 1975

The effect of microbial mycolytic agents on Trichophyton rubrum. Moore GS, et al. **Mycopathologia** 57(2):93–8, 23 Dec 75

Fragmentation of benzylpenicillin after interaction with the exocellular DD-carboxypeptidase-transpeptidases of Streptomyces R61 and R39. Frere J, et al. **Nature** 258(5531):168–70, 13 Nov 75

Delta5–3beta-Hydroxysteroid Dehydrogenase from Streptomyces hydrogenans. Kohler B, et al. **Naturwissenschaften** 62(6):299, Jun 75

Properties of an antiserum against Streptomyces hydrogenans 20beta-hydroxysteroid dehydrogenase. Lotz B, et al. **Z Naturforsch [C]** 31(5–6):288–91, May–Jun 76

[Enzyme induction in Streptomyces hydrogenans. V. Characterization of testosterone-17beta-dehydrogenase and its induction by steroids] Markert C, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1843–52, Dec 75 (Eng. Abstr.) **(Ger)**

[Studies of tryptophan metabolism of streptomycetes. IV. Studies of the inhibition of enzyme of tryptophan metabolism] Geuscher G. **Z Allg Mikrobiol** 15(8):625–30, 1975 **(Ger)**

[Study of certain carbohydrate metabolism enzymes in an active oxytetracycline producer strain and in an inactive mutant in relation to antibiotic biosynthesis] Bryzgalova TE, et al. **Antibiotiki** 21(2):112–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Study of the immunological properties of Actinomyces rimosus ribonuclease] Penzikova GA, et al. **Antibiotiki** 21(2):162–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Study of the fructosediphosphate aldolase and transketolase activity in the nystatin producer, Actinomyces noursei] Toropova EG, et al. **Antibiotiki** (9):783–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Cholesterol breakdown by enzyme preparations extracted from Streptomyces lavendulae] Imshenetskii AA, et al. **Mikrobiologiia** 45(2):298–301, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The nucleases of oxytetracycline producing actinomycetes] Penzikova GA, et al. **Mikrobiologiia** 45(2):241–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Hygienic study of a proteolytic preparation obtained from Actinomyces] Kuzechkin ZN, et al. **Vopr Pitan** (5):80–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Heat activation of Streptomyces viridochromogenes spores. Hirsch CF, et al. **J Bacteriol** 126(1):24–30, Apr 76

Nutritionally defined conditions for germination of Streptomyces viridochromogenes spores. Hirsch CF, et al. **J Bacteriol** 126(1):13–23, Apr 76

Control of differentiation in streptomycetes: involvement of extrachromosomal deoxyribonucleic acid and glucose repression in aerial mycelia development. Redshaw PA, et al. **J Bacteriol** 125(2):698–705, Feb 76

Nucleoside triphosphate levels in Streptomyces hydrogenans during growth and induction of 20beta-hydroxysteroid dehydrogenase. Betz J, et al. **Z Naturforsch [C]** 31(7–8):486–7, Jul–Aug 76

[Study of the growth patterns of Act. antibioticus and the biosynthesis of oleandomycin] Surikova EI, et al. **Antibiotiki** 21(3):195–200, Mar 76 (Eng. Abstr.) **(Rus)**

[Production of tubular structures from the aerial mycelium of Actinomyces roseoflavus var. roseofungini] Taptykova SD, et al. **Antibiotiki** 21(7):587–91, Jul 76 (Eng. Abstr.) **(Rus)**

[Self-inhibition and antagonism in Actinomyces olivaceus] Stenchuk NN. **Mikrobiol Zh** 36(4):453–6, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

ISOLATION & PURIFICATION

Actinomycotic mycetoma due to Streptomyces somaliensis: report of a case in South Africa. Freed CC, et al. **Sabouraudia** 13(3):316–22, Nov 75

Pitted keratolysis–a preliminary report. Young CN. **Trans St Johns Hosp Dermatol Soc** 60(1):77–85, 1974

[Cephalic mycetoma, caused by Streptomyces somaliensis, involving the cranial cavity] Saül A, et al. **Med Cutan Iber Lat Am** 3(2):103–10, 1975 (Eng. Abstr.) **(Spa)**

METABOLISM

Acyl-CoA pool and acyl-CoA thioesterase in Streptomyces noursei var. polifungini. Rafalski A, et al. **Acta Biochim Pol** 22(3):257–61, 1975

RNA-metabolism in Streptomyces hydrogenans. Effect of 20beta-hydroxysteroid-dehydrogenase inducing dienediol on RNA-content and RNA-profile. Betz JW, et al. **Acta Microbiol Acad Sci Hung** 22(4):509–20, 1975

Steroid receptors in Streptomyces hydrogenans: isolation and characterization of a high affinity receptor for 5alpha-dihydrotestosterone. Kurth J, et al. **Acta Microbiol Acad Sci Hung** 22(4):497–502, 1975

The biosynthesis of the nucleoside antibiotics: minimycin formation by Streptomyces hygroscopicus. Isono K, et al. **Ann NY Acad Sci** 255(751106–751230–2):390–401, 8 Aug 75

Mineral nutrition of Streptomyces kanamyceticus for kanamycin formation. Basak K, et al. **Antimicrob Agents Chemother** 8(4):391–5, Oct 75

Production, isolation, and properties of azetomycins. Formica JV, et al. **Antimicrob Agents Chemother** 9(2):214–21, Feb 76

Monophenol monooxygenase and lincomysin biosynthesis in Streptomyces lincolnensis. Michalik J, et al. **Antimicrob Agents Chemother** 8(5):526–31, Nov 75

Biosynthesis of puromycin in Streptomyces alboniger: regulation and properties of O-demethylpuromycin O-methyltransferase. Sankaran L, et al. **Antimicrob Agents Chemother** 8(6):721–32, Dec 75

The biosynthesis of natural and unnatural polyoxins by Streptomyces cacaoi. Isono K, et al. **Arch Biochem Biophys** 173(1):141–53, Mar 76

Stoffwechselprodukte von mikroorganismen. 154. Mitteilung. Nikkomycin, ein neuer hemmstoff der chitinsynthese bei pilzen. Dähn U, et al. **Arch Microbiol** 107(2):143–60, 19 Mar 76

Biosynthesis of the polyoxins, nucleoside peptide antibiotics: glutamate as an origin of 2-amino-2-deoxy-L-xylonic acid (polyoxamic acid). Funayama S, et al. **Biochemistry** 14(26):5568–, 30 Dec 75

Pyrrolo[1,4]benzodiazepine antibiotics. Biosynthesis of the antitumor antibiotic 11-demethyltomaymycin and its biologically inactive metabolite oxotomaymycin by Streptomyces achromogenes. Hurley LH, et al. **Biochemistry** 15(17):3760–9, 24 AUG 76

RNA synthesis in Streptomyces antibioticus: in vitro effects of actinomycin and transcriptional inhibitors from 48–h cells. Jones GH. **Biochemistry** 15(15):3331–41, 27 Jul 76

Effect of alkali ions on the active transport of neutral amino acids into Streptomyces hydrogenans. Ring K, et al. **Biochim Biophys Acta** 433(3):615–29, 21 May 76

DNA uptake by Streptomyces species. Roelants P, et al. **Biochim Biophys Acta** 442(1):117–22, 2 Aug 76

Measurement of dissolved carbon dioxide. Alford JS Jr. **Can J Microbiol** 22(1):52–6, Jan 76

Genetic recombination in a chloramphenicol-producing strain of Streptomyces species 3022a. Francis MM, et al. **Can J Microbiol** 21(8):1151–9, Aug 75

Prodiginine (prodigiosin-like) pigments from Streptomyces and other aerobic Actinomycetes. Gerber NN, et al. **Can J Microbiol** 22(5):658–67, May 76

Biosynthesis of chloramphenicol in Streptomyces sp. 3022a. Identification of p-amino-L-phenylalanine as a product from the action of arylamine synthetase on chorismic acid. Jones A, et al. **Can J Microbiol** 22(2):237–44, Feb 76

L-beta-(5-hydroxy-2-pyridyl)-alanine and L-beta-(3-hydroxyureido)-alanine from Streptomyces. Inouye S, et al. **Chem Pharm Bull (Tokyo)** 23(11):2669–77, Nov 75

(S)-3-p-Methoxyphenyl-3-acetylaminopropan-1-ol, a New Metabolite of an Actinomycete. Keller-Schierlein W, et al. **Experientia** 31(9):1001–2, 15 SEP 75

Emericid, a new polyether antibiotic from Streptomyces hygroscopicus (DS 24 367). Ninet L, et al. **Experientia** 32(3):319–21, 15 Mar 76

Effect of sodium arsenite on the biosynthesis of mitomycins by Streptomyces caespitosus and mode of action of mitomycin C on Bacillus subtilis NRRL B-543. Abou-Zeid AA, et al. **Folia Microbiol (Praha)** 21(1):36–42, 1976

Effect of some inhibitors on kanamycin formation by Streptomyces kanamyceticus. Basak K, et al. **Folia Microbiol (Praha)** 21(1):43–9, 1976

[A new pigmented antibiotic from a soil streptomycete. Roy MK, et al. **Folia Microbiol (Praha)** 21(1):50–3, 1976

Some factors affecting neomycin production by S. fradiae. Managallam S, et al. **Hindustan Antibiot Bull** 17(1–2):1–6, Aug–Nov 74

A new streptomycete producing neomycin (B&C) complex-S. marinensis (Part I). Sambamurthy K, et al. **Hindustan Antibiot Bull** 17(1–2):24–8, Aug–Nov 74

Neomycin (B&C) production by a new streptomyces species, S. marinensis, Part-II. Sambamurthy K, et al. **Hindustan Antibiot Bull** 17(1–2):41–2, Aug–Nov 74

Effect of mixing and mass transfer on the glucose isomerization by entrapped cells in a vertical plate type reactor. pp. 151–67. Taguchi H, et al. **In: Weetall HH, Suzuki S, ed. Immobilized enzyme technology. New York, Plenum Press, 1975. TP 248.E5 S471i 1974.**

Effect of some inhibitors on neomycin formation by Streptomyces fradiae 3535. Bandyopadhyay SK, et al. **Indian J Exp Biol** 13(6):585–6, Nov 75

Isolation and characterization of satellite antibiotics, mimosamycin and chlorocarcins from Streptomyces lavendulae, streptothricin source. Arai T, et al. **J Antibiot (Tokyo)** 29(4):398–407, Apr 76

New isoflavones, inhibiting catechol-O-methyltransferase, produced by Streptomyces. Chimura H, et al. **J Antibiot (Tokyo)** 28(9):619–26, Sep 75

Studies on the biosynthesis of basic 16-membered macrolide antibiotic, platenomycins. I. Selection of and cosynthesis by non-platenomycin-producing mutants. Furumai T, et al. **J Antibiot (Tokyo)** 28(10):770–4, Oct 75

Studies on the biosynthesis of basic 16-membered macrolide antibiotics, platenomycins. III. Production, isolation and structures of platenolides I and II. Furumai T, et al. **J Antibiot (Tokyo)** 28(10):783–8, Oct 75

A new metabolite from Streptomyces hygroscopicus II. Identification as 1-deoxy-D-threo-pentulose. Hoeksema H, et al. **J Antibiot (Tokyo)** 29(7):688–91, Jul 76

Utilization of the intact carbamoyl group of L-(NH2CO-13C,15N) citrulline in mitomycin biosynthesis by Streptomyces verticillatus. Hornemann U, et al. **J Antibiot (Tokyo)** 28(10):841–3, Oct 75

Antibiotic glycosides. VII 10,11-dihydropicromycin: another metabolite of Streptomyces venezuelae. Majer J, et al. **J Antibiot (Tokyo)** 29(7):769–70, Jul 76

A new antibiotic, fumaramidmycin I. Production, biological properties and characterization of producer strain. Maruyama HB, et al. **J Antibiot (Tokyo)** 28(9):636–47, Sep 75

Identification of producer and biological activities of new antibiotics, mimosamycin and chlorocarcins. Mikami Y, et al. **J Antibiot (Tokyo)** 29(4):408–14, Apr 76

An additional source of macrotetrolide antibiotics. Smith LL. **J Antibiot (Tokyo)** 28(12):1000–3, Dec 75

Formation of 3-methylthioacrylic acid from methionine by Streptomyces lincolnensis. Isolation of a peroxidase. Surette R, et al. **J Antibiot (Tokyo)** 29(6):646–52, Jun 76

A glyoxalase I inhibitor of a new structural type produced by Streptomyces. Takeuchi T, et al. **J Antibiot (Tokyo)** 28(10):737–42, Oct 75

Nanaomycins, new antibiotics produced by a strain of Streptomyces. I. Taxonomy, isolation, characterization and biological properties. Tanaka H, et al. **J Antibiot (Tokyo)** 28(11):860–7, Nov 75

Nanomycins, new antibiotics produced by a strain of Streptomyces. II. Structure and biosynthesis. Tanaka H, et al. **J Antibiot (Tokyo)** 28(11):868–75, Nov 75

Nanaomycins, new antibiotics produced by a strain of Streptomyces. III. A new component, nanaomycin C, and biological activities of nanaomycin derivatives. Tanaka H, et al. **J Antibiot (Tokyo)** 28(12):925–30, Dec 75

Purification and characterization of a sialidase inhibitor, siastatin, produced by Streptomyces. Umezawa H, et al. **J Antibiot (Tokyo)** 27(12):963–9, Dec 74

Antimycin A fermentation. I. Production and selection of strains. Vézina C, et al. **J Antibiot (Tokyo)** 29(3):248–64, Mar 76

Efrotomycin, a new antibiotic from Streptomyces lactamdurans. Wax R, et al. **J Antibiot (Tokyo)** 29(6):670–3, Jun 76

Macromolecular synthesis in Streptomyces antibioticus: in vitro systems for aminoacylation and translation from young and old cells. Jones GH. **J Bacteriol** 124(1):364–72, Oct 75

A plasmid involved in chloramphenicol production in Streptomyces venezuelae: evidence from genetic mapping. Akagawa H, et al. **J Gen Microbiol** 90(2):336–46, Oct 75

Chloramphenicol acetylation in Streptomyces. Shaw WV, et al. **J Gen Microbiol** 94(1):159–66, May 76

Identification of the antibiotic determined by the SCP1 plasmid of Streptomyces coelicolor A3(2). Wright LF, et al. **J Gen Microbiol** 95(1):96–106, Jul 76

Effect of light on nonphotosynthetic microorganisms. II. Photochromogenicity in genus Streptomyces. Koyama Y, et al. **Jpn J Microbiol** 19(5):387–93, Oct 75

Localized mutagenesis in Streptomyces coelicolor A3 (2). Randazzo R, et al. **Mutat Res** 36(3):291–302, Sep 76

Microbiological synthesis of 16alpha, 18-dihydroxydeoxycorticosterone. Graham RL, et al. **Steroids** 26(6):697–706, Dec 75

Microbial oxidation of dehydroepiandrosterone and related compounds. Iida M, et al. **Z Allg Mikrobiol** 15(3):181–7, 1975

Biosynthesis of [7-3H]16 alpha-hydroxy-dehydroepiandrosterone having high specific activity. Iida M, et al. **Z Allg Mikrobiol** 15(3):189–93, 1975

Biochemical studies on the fermentative production of puromycin by Streptomyces alboniger. Shaheen AB, et al. **Z Allg Mikrobiol** 15(8):651–2, 1975

Testosterone metabolism in streptomyces hydrogenans. Markert C, et al. **Z Naturforsch [C]** 30(2):266–70, Mar–Apr 75

Vancomycin. Abou-Zeid AZ, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):1–39, 1976

Receptor for 5alpha-dihydrotestosterone from Streptomyces hydrogenans. Kurth J, et al. **Zentralbl Bakteriol [Orig A]** 233(3):376–9, Nov 75

[Mitomycin and a new phenoxazone pigment from Streptomyces michiganensis. Metabolic products of microorganisms (author's transl)] Wolf G, et al. **Arch Microbiol** 106(3):245–9, 31 Dec 75 (Eng. Abstr.) **(Ger)**

[Enzyme induction in Streptomyces hydrogenans. IV. (1) Qualitative and quantitative changes in RNA content and RNA synthesis during induction] Betz J, et al. **Hoppe Seylers Z Physiol Chem** 356(3):357–66, Mar 75 (Eng. Abstr.) **(Ger)**

[The physiology and biochemistry of streptomycetes. I. Isolation, identification and investigations of microbial synthesis of stereoisomers in the paromomycin complex] Reuter G, et al. **Pharmazie** 29(11):733–6, 1975 **(Ger)**

[Physiology and biochemistry of streptomycetes. 4. Isolation and identification of mycarose, mycaminose and desmycarosyl-antibiotic from the macrocide-antibiotic a 6599 (Turimycin)] Reuter G, et al. **Pharmazie** 31(1):48–50, 1976 **(Ger)**

[Regulatory modification of nourseothricin biosynthesis by o-aminobenzoic acid in Streptomyces noursei JA 3890b cultures] Gräfe U, et al. **Z Allg Mikrobiol** 14(8):659–73, 1974 (Eng. Abstr.) **(Ger)**

[Precursor formation and biosynthesis of the macrolide antibiotic a 6599 (turimycin) by streptomyces hygroscopicus JA 6599] Gräfe U, et al. **Z Allg Mikrobiol** 15(4):249–57, 1975 (Eng. Abstr.) **(Ger)**

[Inducible accumulation of alpha-ketoglutaric acid in cultures of Streptomyces hygroscopicus JA 6599 producing a macrolide antibiotic] Gräfe U, et al. **Z Allg Mikrobiol** 15(8):575–83, 1975 (Eng. Abstr.) **(Ger)**

[Physiology and biochemistry of streptomycetes. III. Incorporation of D-glucose-u-14C in paramomycin as indicator of antibiotic biosynthesis by Streptomyces albus var. metamycinus nov. var.] Köster H, et al. **Z Allg Mikrobiol** 15(6):437–45, 1975 **(Ger)**

[On the metabolites of Streptomyces luteoreticuli Kato et Arai. II. The structure of luteoreticulin (author's transl)] Koyama Y, et al. **J Pharm Soc Jpn** 95(7):865–71, Jul 75 (Eng. Abstr.) **(Jpn)**

[On the metabolites of Streptomyces luteoreticuli Kato et Arai. III. The structure of luteoreticulum. (2) (author's transl)] Koyama Y, et al. **J Pharm Soc Jpn** 95(10):1210–7, Oct 75 (Eng. Abstr.) **(Jpn)**

[Photochromogenicity. VII. Reversed photochromogenicity of Streptomyces] Koyama T, et al. **Jpn J Bacteriol** 30(1):135, Jan 75 **(Jpn)**

[Role of Streptomyces melanochromogenes cell wall and membrane in actinomycin D biosynthesis] Kurzątkowski W. **Med Dosw Mikrobiol** 27(4):325–36, 1975 (Eng. Abstr.) **(Pol)**

[Actinomyces streptomycini mutant blocked in streptidine biosynthesis] Anisova LN, et al. **Antibiotiki** 21(1):6–10, Jan 76 (Eng. Abstr.) **(Rus)**

[Actinomyces pneumonicus var. altamicus var. nov., a producer of new altamycin antibiotics] Barashkova NP, et al. **Antibiotiki** 21(6):487–91, Jun 76 (Eng. Abstr.) **(Rus)**

[Study of the dynamics of n-propyl alcohol in an Act. erythreus culture during the biosynthesis of erythromycin using a gas–liquid chromatographic method] Brinberg LS, et al. **Antibiotiki** 21(1):27–30, Jan 76 (Eng. Abstr.) **(Rus)**

[Effect of different pH values on the medium on the synthesis of antibiotics in the joint cultivation of Actinomyces levoris with yeasts] Iakovleva EP. **Antibiotiki** 21(6):494–9, Jun 76 (Eng. Abstr.) **(Rus)**

[Lincomycin formation by strain R-367 on a complex medium not containing corn steep] Kochetkova GV, et al. **Antibiotiki** 21(2):99–102, Feb 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the interaction of the A-factor with mutant 1439 of Act. streptomycini in the biosynthesis of streptomycin] Kornitskaia EIa, et al. **Antibiotiki** 20(11):978–82, Nov 75 (Eng. Abstr.) **(Rus)**

[Study of the regulation of streptomycin biosynthesis using a blocked mutant of Act. streptomycini] Kornitskaia EIa, et al. **Antibiotiki** 21(1):10–4, Jan 76 **(Rus)**

[New heptaene antibiotic, flavomycin, formed by Act. flavus var. geptinicus var. nov] Kruglikova LF, et al. **Antibiotiki** (9):771–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of population density on Actinomyces resistomycificus biosynthesis of heliomycin and resistoflavin] Poltorak VA. **Antibiotiki** 21(2):105–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Polymorphism of a culture of Actinomyces chromogenes var. trienicus, the producer of chromotrienine] Vinogradova KA, et al. **Antibiotiki** 20(11):973–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Formation of acetoin by Actinomyces olivaceus cultures] Konova IV, et al. **Mikrobiologiia** 44(1):176–8, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Carotenoids synthesized by a culture of a mutant actinomycete strain] Nefelova MV, et al. **Mikrobiologiia** 45(2):306–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Intrinsic luminescence and differentiation in Actinomyces lucensis—producer of etruscomycin] Poltorak VA, et al. **Mikrobiologiia** 44(3):465–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Formation by Actinomyces malachitospinus sp. nov. of a physiologically active substance that stimulates zygote formation in Mucorales] Preobrazhenskaia TP, et al. **Mikrobiologiia** 44(4):641–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Immediate microscopic detection of an actinomycete in the soil producing a luminescent antibiotic] Zviagintsev DG, et al. **Mikrobiologiia** 45(2):337–41, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Study of the porphyrin content in mutants of Actinomyces olivaceus V KX met- (B12-)] Dekhtiarenko TD, et al. **Mikrobiol Zh** 37(1):40–4, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Analogs of purine bases and purine metabolism in Actinomyces olivaceus V KX] Matseliukh BP, et al. **Mikrobiol Zh** 36(3):355–7, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[Biosynthesis of purines in Actinomyces olivaceus V KX. II. Study of the products of purine metabolism] Tkachuk ZIu, et al. **Mikrobiol Zh** 36(2):139–44, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Ultrastructural studies of sporulation in Streptomyces. Hardisson C, et al. **J Bacteriol** 127(3):1443–54, Sep 76

Ultrastructural studies of sporulation in Streptomyces. Hardisson C, et al. **J Bacteriol** 127(3):1443–54, Sep 76

[Physiology and biochemistry of Streptomyces. 7. Demonstration of methylglycosides of mycarose and its acylderivatives from the macrolid-antibiotic Turimycin] Hüttner R, et al. **Pharmazie** 31(4):254–5, Apr 76 **(Ger)**

[Effect of lyophilization methods on the formation of free radicals, the survivability and makeup of a population of the lincomycin producer] Kuznetsov VD, et al. **Antibiotiki** 20(12):1065–8, 1975 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Solubilization, characterization and distribution of proteins from bacterial membranes as a model of plasma membranes. pp. 231–54. Muñoz E, et al.
In: Burton RM, Packer L, ed. Biomembranes: lipids, proteins and receptors. Webster Groves, Mo., BI-Science Publications, 1975. QH 601 N12b 1974. (79 ref.)

[Production of tubular structures from the aerial mycelium of Actinomyces roseoflavus var. roseofungini] Taptykova SD, et al. **Antibiotiki** 21(7):587–91, Jul 76 (Eng. Abstr.) **(Rus)**

[Conditions for the self-organization of submicroscopic structures from mycelial extracts of the 'fructose' variant of Actinomyces roseflavus var. roseofungini] Taptykova SD, et al. **Antibiotiki** 21(6):507–11, Jun 76 (Eng. Abstr.) **(Rus)**

[An electron microscopic study of the vegetative mycelia of Actinomyces flavus during flavofungin biosynthesis] Kulalaeva ZI, et al. **Mikrobiologiia** 45(1):133–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

STREPTOMYCES ANTIBIOTICUS see under **STREPTOMYCES**

STREPTOMYCES AUREOFACIENS

DRUG EFFECTS

[Effect of orthophosphate on the growth rate and biosynthesis of tetracycline by an Actinomyces aureofaciens culture] Makarevich VG, et al. **Antibiotiki** 20(4):295–9, Apr 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Role of ATP-glucokinase and polyphosphate glucokinase in Streptomyces aureofaciens. Hoštálek Z, et al. **Folia Microbiol (Praha)** 21(2):131–8, 1976

Regulation of biosynthesis of secondary metabolites. XVII. Purification and properties of malate dehydrogenase (decarboxylating) in Streptomyces aureofaciens. Jechová V, et al. **Folia Microbiol (Praha)** 20(2):137–41, 1975

GROWTH & DEVELOPMENT

[Regulation of tetracycline biosynthesis by controlling the growth of the producer] Makarevich VG, et al. **Antibiotiki** 21(3):205–10, Mar 76 (Eng. Abstr.) **(Rus)**

METABOLISM

[The possible role of high molecular weight polyphosphates in chlortetracycline biosynthesis by Streptomyces aureofaciens] Kulaev IS, et al. **Biokhimiia** 41(2):343–8, Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Ultrastructural studies of sporulation in Streptomyces. Hardisson C, et al. **J Bacteriol** 127(3):1443–54, Sep 76

STREPTOMYCES GRISEUS

[New phages of a polylysogenic culture of Actinomyces griseus] Rautenshtein IaI, et al. **Mikrobiologiia** 44(4):689–94, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A comparison of the substrate specificities of endo-beta-N-acetylglucosaminidases from Streptomyces griseus and Diplococcus Pneumoniae. Tarentino AL, et al. **Biochem Biophys Res Commun** 67(1):455–62, 3 Nov 75

The active centers of Streptomyces griseus protease 3 and alpha-chymotrypsin: enzyme-substrate interactions remote from the scissile bond. Bauer CA, et al. **Biochemistry** 15(6):1291–5, 23 Mar 76

The active centers of Streptomyces griseus protease 3, alpha-chymotrypsin, and elastase: enzyme-substrate interactions close to the scissile bond. Bauer CA, et al. **Biochemistry** 15(6):1296–9, 23 Mar 76

The active centers of Streptomyces griseus protease 3 and alpha-chymotrypsin. Enzyme-substrate interactions beyond subsite S'1. Bauer CA. **Biochim Biophys Acta** 438(2):495–502, 8 Jul 76

An endogalactosaminidase from Streptomyces griseus. Reissig JL, et al. **Can J Biochem** 53(12):1237–49, Dec 75

Enzymic synthesis of streptomycin. Transfer of L-dihydrostreptose from dTDP-L-dihydrostreptose to streptidine-6-phosphate. Kniep B, et al. **FEBS Lett** 65(1):44–6, 15 May 76

Alkaline proteinase E of Streptomyces griseus K-1. Narahashi Y, et al. **J Biochem (Tokyo)** 79(5):1119–22, May 76

Affinity chromatography of trypsin and related enzymes. III. Purification of Streptomyces griseus trypsin using an affinity adsorbent containing a tryptic digest of protamine as a ligand. Yokosawa H, et al. **J Biochem (Tokyo)** 79(4):757–63, Apr 76

Proteolytic enzymes of the K-1 strain of Streptomyces griseus obtained from a commercial preparation (Pronase). Purification and characterization of the carboxypeptidase. Seber JF, et al. **J Biol Chem** 251(1):204–8, 10 Jan 76

Isolation and characterization of tryptophan transaminase and indolepyruvate C-methyltransferase. Enzymes involved in indolmycin biosynthesis in Streptomyces griseus. Speedie MK, et al. **J Biol Chem** 250(19):7819–25, 10 Oct 75

[Isolation and several properties of Streptomyces griseus carboxypeptidase] Tsyperovich AS, et al. **Biokhimiia** 41(2):328–34, Feb 76 (Eng. Abstr.) **(Rus)**

[Dynamics of formation of individual enzymes of the proteolytic complex during cultivation of Streptomyces griseus] Tsyperovich AS, et al. **Mikrobiologiia** 44(1):37–41, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Properties of a chymotrypsin-type proteinase from Streptomyces griseus 32–13] Lysenkov NV. **Med Educ** 38(2):167–72, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Gelatin from bone collagen hydrolyzed with Streptomyces griseus protease and its properties] Mishunin IF, et al. **Ukr Biokhim Zh** 47(3):309–13, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Study of gelatin hydrolysis by Streptomyces griseus protease using the method of N-terminal analysis] Tsykerovich AS, et al. **Ukr Biokhim Zh** 48(3):355–9, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

[Characteristics of Actinomyces griseus actinophages and the production of phage-resistant mutants of the producer of grisin] Zvenigorodskiĭ VI, et al. **Antibiotiki** 20(5):409–15, May 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Specific inhibition of candicidin biosynthesis by the lipogenic inhibitor cerulenin. Martin JF, et al. **Biochim Biophys Acta** 411(2):186–94, 5 Dec 75

Biotransformation of antibiotics. I. Acylation of chloramphenicol by spores of Streptomyces griseus isolated from the Egyptian soil . El-Kersh TA, et al. **J Antibiot (Tokyo)** 29(3):292–302, Mar 76

Mutational biosynthesis of a new antibiotic, streptomutin A, by an idiotroph of Streptomyces griseus. Nagaoka K, et al. **J Antibiot (Tokyo)** 28(9):627–35, Sep 75

Leukaemomycin, an antibiotic with antitumor activity. I. Screening, fermentation, and biological activity. Fleck W, et al. **Z Allg Mikrobiol** 15(7):495–503, 1975

Comparative studies on intracellular potassium- and sodium concentrations of wild-type and a macrotetrolide negative mutant of Streptomyces griseus. Kanne R, et al. **Z Naturforsch [C]** 31(3–4):115–7, Mar–Apr 76

STREPTOMYCETACEAE

DRUG EFFECTS

[Variability in Act. circulatus var. monomycini induced by N-5-nitroso-N-methylbiuret] Letiagin KP, et al. **Antibiotiki** 20(6):488–94, Jun 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Prodiginine (prodigiosin-like) pigments from Streptoverticillium rubrireticuli, an organism that causes pink staining of polyvinyl chloride. Gerber NN, et al. **Appl Microbiol** 30(5):807–10, Nov 75

STREPTOMYCIN

The relationship of aminoglycoside permeability to streptomycin and gentamicin susceptibility of Pseudomonas aeruginosa. pp. 475–90. Bryan LE, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Ribosome slowed by mutation to streptomycin resistance. Galas DJ, et al. **Nature** 262(5569):617–9, 12 Aug 76

[Transduction of streptomycin resistance in group A streptococci by virulent streptococcal phage CA1] Zal'tsman LG. **Zh Mikrobiol Epidemiol Immunobiol** (11):27–31, Nov 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Controlled trial of 6- and 9-month regimens of daily and intermittent streptomycin plus isoniazid plus pyrazinamide for pulmonary tuberculosis in Hong Kong. **Tubercle** 56(2):81–96, Jun 75

Hong Kong Tuberculosis Treatment Services/British Medical Research Council study of short-course regimens of streptomycin, isoniazid and pyrazinamide: latest results. Girling DJ. **Tubercle** 56(2):165–6, Jun 75

[Isolation of contaminating agents from the injection streptomycin] Libánská A. **Cesk Farm** 25(3–4):122–4, May 76 (Eng. Abstr.) **(Cze)**

[Influence of schizophyllan, streptomycin and rifampicin on histopathological changes in mice infected with tubercle bacilli (author's transl)] Komatsu N, et al. **Jpn J Antibiot** 28(4):549–57, Aug 75 (Eng. Abstr.) **(Jpn)**

[Comparison between SM daily and twice weekly treatment in the regimen of SM, INH and PAS—particularly considering the degree of drug resistance— (report 1) (author's transl)] Baba H, et al. **Kekkaku** 50(7):191–7, Jul 75 (Eng. Abstr.) **(Jpn)**

[Late results of treatment with rifampicin combined with SM and INH in newly detected cases of pulmonary tuberculosis] Szymański A. **Pneumonol Pol** 44(3):227–35, Mar 76 (Eng. Abstr.) **(Pol)**

[Use of aerosols in the treatment of some ocular diseases] Popescu MP. **Rev Chir [Oftalmol]** 19(1):73–7, Jan–Mar 75 **(Rum)**

[Streptomycin and kanamycin level in the blood and lungs of guinea pigs when the antibiotics are administered by inhalation and intramuscularly] Kozulitsyna TI, et al. **Antibiotiki** (9):825–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Cerebral electrical activity in experimental tuberculous intoxication under conditions of prolonged administration of streptomycin combined with ACTH and injections of placental extract] Aksel'rod LB, et al. **Fiziol Zh** 22(1):25–33, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

The protective effect of niamid on hearing in patients treated with large doses of streptomycin. Semczuk B, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:193–7, 1974

Streptomycin induced isolated vestibular damage. Bodó G, et al. **Int J Equilib Res** 4(1):42–7, Jun 74

Letter: Frusemide in the management of streptomycin induced vestibular damage. Purohit SD, et al. **J Assoc Physicians India** 23(7):474, Jul 75

Adverse reactions to short-course regimens containing streptomycin, isoniazid, pyrazinamide and rifampicin in Hong Kong. **Tubercle** 57(2):81–95, Jun 76

Study of adverse reactions to a once-weekly regimen of streptomycin plus a slow-release preparation of isoniazid in high dosage for six months. Santha T, et al. **Tubercle** 57(2):123–30, Jun 76

[Autopsy of lung cancer associated with Eaton–Lambert syndrome and subcute cerebellar degeneration – with special reference to the effect of streptomycin] Takahashi K, et al. **Clin Neurol (Tokyo)** 15(7):415–22, Jul 75 (Eng. Abstr.) **(Jpn)**

[Return of vestibular function and compensation of vestibular damage following streptomycin treatment] Miszke A. **Otolaryngol Pol** 29(4):335–41, 1975 (Eng. Abstr.) **(Pol)**

[Nicolau's syndrome] Moszczyński P, et al. **Wiad Lek** 28(15):1321–3, 1 Aug 75 (Eng. Abstr.) **(Pol)**

[Lyell's syndrome developed as a result of treatment with antibiotics] Kiseleva IA, et al. **Ter Arkh** 47(12):129–30, 1975 **(Rus)**

[Characteristics of anaphylactic reactions to antibiotics administered under anesthesia] Pershin AM, et al. **Vestn Khir** 114(1):124–6, Jan 75 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Streptomycylamines: difference in activity and mode of action between short-chain and long-chain derivatives. Heding H, et al. **J Antibiot (Tokyo)** 28(4):312–6, Apr 75

ANALYSIS

Tropaeolin OOO as an organic precipitant for determining streptomycin, meclozine and isoniazid. Beltagy YA, et al. **Pharmazie** 31(4):258, Apr 76

[Rapid method for determining the stability of streptomycin sulfate powders] Kartseva VD, et al. **Antibiotiki** 20(8):692–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Methods for the quantitative determination of streptomycin] Khristenko LA, et al. **Farm Zh** 30(3):6–12, 1975 (39 ref.) **(Ukr)**

ANTAGONISTS & INHIBITORS

[Experimental study of 2d order tuberculostatic preparations in Mycobacterium bovis resistance to isoniazid or streptomycin (based on the data from a morphological study)] Golyshevskaia VI, et al. **Farmakol Toksikol** 38(2):222–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Letter: Carbon-13 evidence for the stereochemistry of streptomycin biosynthesis from glucose. Munro MH, et al. **J Am Chem Soc** 97(16):4782–3, 6 Aug 75

[Characteristics of the interaction of the A-factor with mutant 1439 of Act. streptomycini in the biosynthesis of streptomycin] Kornitskaia EIa, et al. **Antibiotiki** 20(11):978–82, Nov 75 (Eng. Abstr.) **(Rus)**

[Study of the regulation of streptomycin biosynthesis using a blocked mutant of Act. streptomycini] Kornitskaia EIa, et al. **Antibiotiki** 21(1):10–4, Jan 76 **(Rus)**

BLOOD

[Antibiotic therapy and renal insufficiency. Pharmacokinetics of pivampicillin, cephaloridin and streptomycin in chronic uremic patients undergoing conservative or hemodialytic treatment] Campanacci L, et al. **Minerva Med** 66(68):3547–65, 13 Oct 75 (Eng. Abstr.) **(Ita)**

[Comparative study of the relationship between the blood concentration of gentamicin and streptomycin and their muscle-relaxing activity] Firsov AA, et al. **Antibiotiki** 20(8):709–14, Aug 75 (Eng. Abstr.) **(Rus)**

[Photoelectrocolorimetric method of determining streptomycin sulfate in the blood after absorption from ointments prepared on various ointment bases] Khristenko LA, et al. **Farm Zh** (1):62–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

CHEMICAL SYNTHESIS

Total synthesis of streptomycin. Umezawa S, et al. **J Antibiot (Tokyo)** 27(12):997–9, Dec 74

HISTORY

The classic. Streptomycin in tuberculous bone and joint lesions with mixed infection and sinuses. Bosworth DM, et al. **Clin Orthop** (116):2–7, May 76

METABOLISM

Streptomycin accumulation in susceptible and resistant strains of Escherichia coli and Pseudomonas aeruginosa. Bryan LE, et al. **Antimicrob Agents Chemother** 9(6):928–38, Jun 76

Some evidences for the hypothesis of active transport of streptomycin in Pseudomonas aeruginosa. Camba SA, et al. **Chemotherapy** 22(6):341–5, 1976

Adenylylation of streptomycin by Staphylococcus aureus: a new streptomycin adenylyltransferase. pp. 463–73. Suzuki I, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Coupling of rates of transcription, translation, and messenger ribonucleic acid degradation in streptomycin-dependent mutants of Escherichia coli. Gupta RS, et al. **J Bacteriol** 125(1):84–93, Jan 76

Experimental model of oral antityphoid vaccination with live streptomycin-dependent Salmonella typhimurium in C57BL/6 mice. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):215–8, Oct 75

Contribution to the study of live streptomycin-dependent Salmonella vaccines: the problem of reversion to a virulent form. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):203–14, Oct 75

[Persistance of streptomycin residues in the calf organism after parenteral therapeutic administration] Habrda J, et al. **Vet Med (Praha)** 21(3):167–74, Mar 76 (Eng. Abstr.) **(Cze)**

[Isolation of new species of the genus Actinomadura on selective media with streptomycin and bruneomycin] Preobrazhenskaia TP, et al. **Antibiotiki** 20(5):404–9, May 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Interspecies transformation of streptomycin resistance in oral streptococci. Davidson JR Jr, et al. **Antimicrob Agents Chemother** 9(1):145–50, Jan 76

Bactericidal activity of combinations of penicillin or clindamycin with gentamicin or streptomycin against species of viridans streptococci. Duperval R, et al. **Antimicrob Agents Chemother** 8(6):673–6, Dec 75

Studies on the combined action of phosphonomycin with streptomycin, penicillin G and ampicillin. Borowski J, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):191–5, 1976

Modification of the immunologic response. III. Physicochemical and biological properties of the serum factor of streptomycin-treated mice. Zimecki M, et al. **Arch Immunol Ther Exp (Warsz)** 23(5):601–15, 1975

Modification of immunologic response. IV. A factor in the serum of mice treated with streptomycin, its character and mode of action in vitro. Zimecki M, et al. **Arch Immunol Ther Exp (Warsz)** 24(3):336–48, 1976

Lysosome overloading and dysfunction induced by streptomycin in cultured fibroblasts. Tulkens P, et al. **Arch Int Physiol Biochim** 83(5):1004–6, Dec 75

Streptomycin and temperature sensitivity of colicin-like activity in Salmonella cultures. Atkinson N. **Aust J Exp Biol Med Sci** 54(1):91–6, Feb 76

New types of streptomycin-resistant mutants of Escherichia coli. Lacoste L, et al. **Biochim Biophys Acta** 442(1):88–97, 2 Aug 76

Cilia membrane abnormalities induced by streptomycin and other aminoglycoside antibiotics in Stentor coeruleus. Deshpande KL, et al. **Cytobios** 11(43–44):185–99, 1974

Two-dimensional gel electrophoresis of ribosomal proteins from streptomycin-sensitive and streptomycin-resistant mutants of Chlamydomonas reinhardi. Brügger M, et al. **Eur J Biochem** 58(2):603–10, 15 Oct 75

Leishmania tarentolae: streptomycin and chloramphenicol resistance of promastigotes. Wagner KP, et al. **Exp Parasitol** 39(2):222–33, Apr 76

Mechanism of increased rate of appearance of highly streptomycin-resistant and chloramphenicol-resistant variants in E coli R+. pp. 171–7. Hubáček J, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

NADH oxidase in Xanthomonas oryzae and effect of streptomycin and metal ions. Indira R, et al. **Indian J Biochem Biophys** 12(1):21–3, Mar 75

Studies on the effect of penicillin, streptomycin and isonicotinic acid hydrazide on small intestinal oligosaccharidase. Sharma AK, et al. **Indian J Physiol Pharmacol** 19(2):71–5, Apr–Jun 75

Mechanisms of streptomycin(SM)-resistance of highly SM-resistant Pseudomonas aeruginosa strains. Kono M, et al. **J Antibiot (Tokyo)** 29(2):169–75, Feb 76

Development and properties of streptomycin resistant cultures of Erwinia amylovora dervied from English isolates. Bennett RA, et al. **J Appl Bacteriol** 39(3):307–15, Dec 75

Variation in the virulence of some streptomycin resistant mutants of Pseudomonas phaseolicola. Russell PE. **J Appl Bacteriol** 39(2):175–80, Oct 75

Transposition of a deoxyribonucleic acid sequence encoding trimethoprim and streptomycin resistances from R483 to other replicons. Barth PT, et al. **J Bacteriol** 125(3):800–10, Mar 76

Increased loss of duplicated genes in streptomycin-resistant (strA) mutants of Escherichia coli k-12. Simonian MH, et al. **J Bacteriol** 125(1):382–4, Jan 76

Attenuated, streptomycin-dependent Salmonella typhi oral vaccine: potential deleterious effects of lyophilization. Levine MM, et al. **J Infect Dis** 133(4):424–9, Apr 76

Phenotypic instability in a tif-1 Mutant of Escherichia coli. I. Impairment in ribosomal function. Ehrati-Elizur E, et al. **Mol Gen Genet** 147(1):59–65, 10 Aug 76

Identification of components of the streptomycin-binding center of E. coli MRE 600 ribosomes by photo-affinity labelling. Girshovich AS, et al. **Mol Gen Genet** 144(2):205–12, 22 Mar 76

Analysis of ribosomal proteins in streptomycin resistant and dependent mutants isolated from streptomycin independent Escherichia coli strains. Wittmann HG, et al. **Mol Gen Genet** 141(4):331–41, 9 Dec 75

The effect of streptomycin resistance, caffeine and acriflavine on ultraviolet light-induced reversion to tryptophan independence in strains of Escherichia coli B/r. Barfknecht TR, et al. **Mutat Res** 30(2):163–76, Nov 75

Proceedings: Mutational response of mouse spermatozoa to methyl methanesulphonate. Schiechtl J, et al. **Mutat Res** 29(2):206, Aug 75

Nematocyst discharge and the effects of antibiotics on feeding in hydra. Wilby OK. **Nature** 262(5567):387–8, 29 Jul 76

Cytogenetics analysis of meiotic chromosomes of irradiated mice and their progeny after treatment with streptomycin and dihydrodeoxystreptomycin. Savković N, et al. **Strahlentherapie** 150(6):597–602, Dec 75

Transduction of a streptomycin R-factor from Mycobacterium smegmatis to Mycobacterium tuberculosis H37Rv. Jones WD Jr, et al. **Tubercle** 55(1):73–80, Mar 74

[The effect of streptomycin on neuromuscular conductivity in cats treated with several phosphoorganic cholinesterase inhibitors] Angelov A. **Eksp Med Morfol** 12(2):106–10, 1973 (Eng. Abstr.) **(Bul)**

[Effect of some antibiotics on semi-circular canal activity in the frog (Rana esculenta)] Gallais A, et al. **C R Soc Biol (Paris)** 169(1):217–21, 1975 (Eng. Abstr.) **(Fre)**

[Analysis of some factors responsible for the bactericidic action and resistance to streptomycin of the E. coli cells] Arena A, et al. **G Ital Chemioter** 20(1–4):46–51, Jan–Dec 73 (Eng. Abstr.) **(Ita)**

[Transmission of drug-resistance through conjugation in Yersinia enterocolitica and Yersinia pseudotuberculosis. (II). With special reference to streptomycin resistant strains isolated from men and domestic animals (author's transl)] Kanazawa Y, et al. **Jpn J Antibiot** 28(4):538–41, Aug 75 (Eng. Abstr.) **(Jpn)**

[R factor of Yersinia enterocolitica. Streptomycin (SM) and tetracycline (TC) resistance factor] Kimura S, et al. **Jpn J Bacteriol** 30(1):189, Jan 75 **(Jpn)**

[Effect of the prolonged use of streptomycin as well as streptomycin in combination with tubazid on the bioelectrical activity of the brain in experimental tuberculosis] Aksel'rod LB, et al. **Antibiotiki** 21(7):636–42, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of streptomycin on the hearing function] Eivazov AA. **Antibiotiki** 20(6):549–55, Jun 75 (Eng. Abstr.) **(Rus)**

[Streptomycin resistance in a strain of Escherichia coli of natural origin as a result of the combined function of a bacterial chromosome gene and the R-factor] Belokrysenko SS. **Dokl Akad Nauk SSSR** 226(1):201–3, 1 Jan 76 **(Rus)**

[Action of streptomycine on the contractility of isolated guinea-pig ileum by coaxial stimulation (author's transl)] García Rodríguez M. **Arch Farmacol Toxicol** 1(3):229–34, Dec 75 (Eng. Abstr.) **(Spa)**

[Primary resistance in 126 cases of pulmonary tuberculosis] Herrera M, et al. **Salud Publica Mex** 18(1):111–4, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Change in the antigenic structure of streptomycin-resistant mutants of Klebsiella ozaenae] Karadi MV, et al. **Mikrobiol Zh** 36(2):169–73, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

POISONING

[Dynamics of ultrastructural changes of the receptor cells and the stria vascularis of the cochlea under conditions of chronic streptomycin poisoning] Preobrazhenskiĭ NA, et al. **Vestn Otorinolaringol** (6):48–56, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A comparative survey of two schemes of tuberculostatics. Denys H, et al. **Acta Urol Belg** 43(4):376–85, Oct 75

Letter: Bacterial endocarditis in IHSS. Katholi RE, et al. **Am Heart J** 91(1):131–2, Jan 76

Shigellosis in custodial institutions. V. Effect of intervention with streptomycin-dependent Shigella sonnei vaccine in an institution with endemic disease. Levine MM, et al. **Am J Epidemiol** 104(1):88–92, Jul 76

A continuing survey of primary drug resistance in tuberculosis, 1961 to 1968. A U.S. Public Health Service cooperative study. Doster B, et al. **Am Rev Respir Dis** 113(4):419–25, Apr 76

Concurrent comparison of an unsupervised daily oral regimen

of thiacetazone plus isoniazid and a fully supervised twice-weekly regimen of streptomycin plus isoniazid in the domiciliary treatment of pulmonary tuberculosis--a co-operative investigation. Menon K.
Bull Int Union Tuberc 49 suppl 1:131-2, Aug 74

Influence of immunosuppression on the action of antimycobacterial drugs in experimental tuberculosis. I. Effects of isoniazid, rifampicin and streptomycin on the survival of tuberculous mice immunosuppressed by azathioprine (Imuran). Trnka L, et al. **Chemotherapy** 22(6):353-61, 1976

Tuberculosis of the hip. Treatment with closed irrigation and suction using streptomycin. De Velasco Polo G, et al.
Clin Orthop (110):154-6, Jul-Aug 75

Two phase chemotherapy with streptomycin isoniazid and ethambutol, followed by isoniazid and ethambutol. Purohit SD, et al. **J Assoc Physicians India** 23(6):385-9, Jun 75

Letter: Treatment of tuberculous meningitis. Kernbaum S.
J Pediatr 87(5):837-8, Nov 75

Ethionamide+cycloserine+pas vs isoniazid+streptomycin+pas in initial antiburerculosis chemotherapy followed by the standard regimen. A controlled study with special reference to the microscopic enumeration of bacillia as a criterion of efficacy.
Pneumonologie 151(3):167-84, 1975

Hypocalcaemic response to streptomycin in malignant hypercalcaemia. Roediger WE, et al. **Postgrad Med J** 51(596):399-401, Jun 75

Serum enzyme changes in patients receiving antituberculosis therapy with rifampicin or p-aminosalicylic acid, plus isoniazid and streptomycin. Baron DN, et al. **Tubercle** 55(2):115-20, Jun 74

A tuberculosis treatment survey in Singapore: results at five-years. Chew CH. **Tubercle** 57(2):131-6, Jun 76

The treatment of tuberculosis of the female genital tract with streptomycin, PAS and isoniazid. Sutherland AM.
Tubercle 57(2):137-44, Jun 76

Antibiotic selection in clinical mastistis. Evans JM, et al.
Vet Rec 97(13):248, 27 Sep 75

[Analytic study of 80 cases of pulmonary tuberculosis treated with the INH-STRE-PAS regime during 1971-2] Chabbou A, et al. **Tunis Med** 52(6):305-11, Nov-Dec 74 **(Fre)**

[The local treatment of ozaena with streptomycin and novocaine (author's transl)] Jakabfi I, et al. **HNO** 23(8):253-4, Aug 75 (Eng. Abstr.) **(Ger)**

[Therapy of adnexa inflammation] Dimitrov D, et al.
Zentralbl Gynaekol 97(4):225-7, 1975 **(Ger)**

[Successful streptomycin therapy of Yersinia pseudotuberculosis and Acinobacter Iwoffii infection] Boga M, et al. **Orv Hetil** 116(50):2952-4, 14 Dec 75 **(Hun)**

[Investigations on the occurrence of Staphylococcus aureus in the sputum of patients with tuberculosis of the lungs during the course of streptomycin treatment (author's transl)] Mysakowska H, et al.
Ann Univ Mariae Curie Sklodowska [Med] 29:177-82, 1974 (Eng. Abstr.) **(Pol)**

[Morpho-histochemical study of the processes of healing of tuberculosis during treatment with streptomycin and hyaluronidase] Volotnikova VA, et al. **Probl Tuberk** (12):58-64, 1975 (Eng. Abstr.) **(Rus)**

[Treatment of swine with erysipelas] Lochkarev VA, et al.
Veterinariia (12):64, Dec 75 **(Rus)**

[Effect of combined action of streptomycin with other antimicrobial preparations in experimental staphylococcal infection of albino mice] Diachenko IuV, et al.
Mikrobiol Zh 37(5):619-23, Sep-Oct 75 (Eng. Abstr.) **(Ukr)**

TOXICITY

Evaluation of the method of testing on spermatozoa of the local irritant effect of streptomycin. Naciążek-Wieniawska A, et al. **Pol Med Sci Hist Bull** 15(1):41-4, Jan-Feb 75

[Inner-ear of monkeys under the influence of streptomycin-sulfate (author's transl)] Lange G.
Arch Otorhinolaryngol (NY) 211(1):35-41, 30 Oct 75 (Eng. Abstr.) **(Ger)**

[The causes of ototoxicity of streptomycin and allied antibiotics and their mitigation (author's transl)] von Ilberg C, et al. **Z Laryngol Rhinol Otol** 53(2):112-20, Feb 74 (Eng. Abstr.) **(Ger)**

[Submicroscopic study of the Reissner's membrane following the use of streptomycin] Novak R. **Tsitologiia** 27(5):495-8, May 75 (Eng. Abstr.) **(Rus)**

[Combined action of noise and streptomycin on the nature of changes in nucleic acids and reaction of the hair cell nuclei of the spiral organ] Pakunov AT.
Vestn Otorinolaringol (3):50-4, May-Jun 74 (Eng. Abstr.) **(Rus)**

STREPTONIGRIN

The mechanism of the degradation of DNA by streptonigrin. Cone R, et al. **Can J Biochem** 54(3):219-23, Mar 76

Studies related to antitumor antibiotics. Part VIII. Cleavage of DNA by streptonigrin analogues and the relationship to antineoplastic activity. Lown JW, et al.
Can J Biochem 54(5):446-52, May 76

ANALOGS & DERIVATIVES

Studies related to antitumor antibiotics. Part VIII. Cleavage of DNA by streptonigrin analogues and the relationship to antineoplastic activity. Lown JW, et al.
Can J Biochem 54(5):446-52, May 76

ANTAGONISTS & INHIBITORS

[Study using the probit-analysis method of the process of increasing resistance to dipin and bruneomycin in Fisher L-5178 lymphadenosis cells in experiments on animals] Averbukh LA. **Antibiotiki** 21(2):169-74, Feb 76 (Eng. Abstr.) **(Rus)**

METABOLISM

[Isolation of new species of the genus Actinomadura on selective media with streptomycin and bruneomycin] Preobrazhenskaia TP, et al. **Antibiotiki** 20(5):404-9, May 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Development of resistance in Fisher lymphadenosis cells to dipin and bruneomycin when these preparations are used separately and in combination] Averbukh LA.
Antibiotiki 20(4):307-11, Apr 75 (Eng. Abstr.) **(Rus)**

STREPTONIVICIN see **NOVOBIOCIN**

STREPTOTHRICIN see under **ANTIBIOTICS**

STREPTOVARICINS

Structure of a derivative of streptovaricin C triacetate. Crystal and molecular structure of the atropisomer of the cyclic p-bromobenzeneboronate ester of streptovaricin C triacetate: methylene dichloride 1:1 solvate. Wang AH, et al. **J Am Chem Soc** 98(15):4612-9, 21 Jul 76

Chemical modification of streptovaricin C. II The intramolecular aldol condensation of 19-O-acetonyl-damavaricin C and its analogs. Sasaki K, et al. **J Antibiot (Tokyo)** 29(2):199-200, Feb 76

Carbon-13 nuclear magnetic resonance spectra of the streptovaricins and related compounds. Kakinuma K, et al. **J Org Chem** 41(8):1358-64, 16 Apr 76

ANALYSIS

Identification and preparation of damavaricins, biologically active precursors of streptovaricins. Rinehart KL Jr, et al. **J Antibiot (Tokyo)** 29(2):201-3, Feb 76

CHEMICAL SYNTHESIS

Chemical modification of streptovaricin C I. 19-O-substituted damavaricin C. Sasaki K, et al.
J Antibiot (Tokyo) 29(2):147-54, Feb 76

ISOLATION & PURIFICATION

Letter: Protostreptovaricins I-V. Deshmukh PV, et al.
J Am Chem Soc 98(3):870-2, 4 Feb 76

PHARMACODYNAMICS

Immunosuppressant activity of the ansamycins. Kasik JE, et al. **Antimicrob Agents Chemother** 9(3):470-3, Mar 76

STREPTOZOTOCIN

The kidney in streptozotocin diabetic rats. Morphologic, ultrastructural, and function studies. Weil R 3d, et al.
Arch Pathol Lab® Med 100(1):37-49, Jan 76

Hyperlipoproteinemia in streptozotocin-treated rats. Bar-On H, et al. **Diabetes** 25(6):509-15, Jun 76

Fetal pancreas transplantation for reversal of streptozotocin-induced diabetes in rats. Brown J, et al.
Diabetes 25(1):56-64, Jan 76

Studies on streptozotocin diabetes. Ganda OP, et al.
Diabetes 25(7):595-603, Jul 76

Effect of chemical sympathectomy, adrenalectomy and adrenergic alpha- and beta-blocking agents on the development of hyperglycemia induced by streptozotocin in the rat. Kaul CL, et al. **Experientia** 32(8):1072-3, 15 Aug 76

Meal patterning in the streptozotocin-diabetic rat. de Castro JM, et al. **Physiol Behav** 15(3):259-63, Sep 75

Studies on rats with islet beta cell tumors induced by nicotinamide and streptozotocin. Dixit PK, et al.
Proc Soc Exp Biol Med 152(2):232-6, Jun 76

Streptozotocin treatment of streptozotocin-induced islet cell adenomas in rats. Rakieten N, et al.
Proc Soc Exp Biol Med 151(3):632-5, Mar 76

Metabolic and hormonal effects of exercise in mild streptozotocin diabetes. Koivisto VA, et al.
Scand J Clin Lab Invest 36(1):45-9, Jan 76

Streptozotocin-induced pancreatic insulitis: new model of diabetes mellitus. Like AA, et al. **Science** 193(4251):415-7, 30 Jul 76

[Electron microscopic observations on the retinal capillaries in streptozotocin-diabetic rat--with special reference to the pericyte of the capillary (author's transl)] Kojima K, et al. **Acta Soc Ophthalmol Jpn** 79(11):1758-64, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Electron microscopy of lesions in retinal blood vessels of rats rendered diabetic with alloxan or streptozotocin. Report 2 (author's transl)] Taniguchi Y, et al.
Acta Soc Ophthalmol Jpn 80(3):124-34, Mar 76 (Eng. Abstr.) **(Jpn)**

[Morphological and biochemical studies on the retinal blood vessels of streptozotocin diabetic rats (author's transl)] Tsuda N. **Acta Soc Ophthalmol Jpn** 79(8):915-27, Aug 75 (Eng. Abstr.) **(Jpn)**

[Studies on the mechanism of the diabetogenic activity of streptozotocin and on the ability of compounds to block the diabetogenic activity of streptozotocin (author's transl)] Doi K. **Folia Endocrinol Jpn** 51(3):129-47, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Metastatic renal adenocarcinoma produced by streptozotocin (NSC-85998). Rakieten N, et al. **Cancer Chemother Rep** 59(5):891-2, Sep-Oct 75

ANALOGS & DERIVATIVES

Pharmacology of chlorozotocin Nsc-178248), a new nitrosourea antitumor agent. Schein PS, et al.
Cancer Treat Rep 60(6):801-5, Jun 76

Cytotoxicity, mutations and DNA damage produced in Chinese hamster cells treated with streptozotocin, its analogs, and N-methyl-N'-nitro-N-nitrosoguanidine. Bhuyan BK, et al. **Chem Biol Interact** 13(2):173-9, May 76

Alkyl streptozotocin analogues with improved biological activities. Iwasaki M, et al. **J Med Chem** 19(7):918-23, Jul 76

Hyperglycemic activity of some non-nitrosated streptozotocin analogs. Tutwiler GH, et al.
Proc Soc Exp Biol Med 152(2):195-8, Jun 76

[Variants in the sugar component of streptozotocin] Gassmann N, et al. **Helv Chim Acta** 58(1):182-5, 29 Jan 75 **(Ger)**

ANTAGONISTS & INHIBITORS

Modification of renal tumorigenic effect of streptozotocin by nicotinamide: spontaneous reversibility of streptozotocin diabetes. Rakieten N, et al. **Proc Soc Exp Biol Med** 151(2):356-61, Feb 76

METABOLISM

Fate of streptozotocin (NSC-85998)in patients with advanced cancer. Adolphe AB, et al. **Cancer Chemother Rep** 59(3):547-56, May-Jun 75

Autoradiographic study of the distribution and cellular uptake of (14C) - streptozotocin in the rat. Karunanayake EH, et al. **Diabetologia** 12(2):123-8, May 76

Distribution of labelled streptozotocin in mice: uptake and retention in pancreatic islets. Tjälve H, et al.
J Endocrinol 69(3):455-6, Jun 76

PHARMACODYNAMICS

Early effects of the administration of streptozotocin on muscle glycogen. de Paoli AA, et al.
Biochem Pharmacol 25(8):933-5, 15 Apr 76

Accelerated turnover of blood glucose in pertussis-sensitized rats due to combined actions of endogenous insulin and adrenergic beta-stimulation. Katada T, et al.
Biochim Biophys Acta 421(1):57-69, 14 Jan 76

Increased sensitivity of in vivo platelet aggregation in rabbits after alloxan or streptozotocin. Honour AJ, et al.
Br J Exp Pathol 57(1):1-10, Feb 76

Cytotoxicity, mutations and DNA damage produced in Chinese hamster cells treated with streptozotocin, its analogs, and N-methyl-N'-nitro-N-nitrosoguanidine. Bhuyan BK, et al. **Chem Biol Interact** 13(2):173-9, May 76

Effect of streptozotocin on red-blood-cell-reduced glutathione: modification by glucose, nicotinamide, and epinephrine. Slonim AE, et al. **Diabetes** 25(3):216-22, Mar 76

Glucagon secretion from the perfused pancreas of streptozotocin-treated rats. Weir GC, et al. **Diabetes** 25(4):275-82, Apr 76

Effect of 1-methyl-1-nitrosourea and streptozotocin on glucose-induced insulin secretion by isolated islets of Langerhans. Golden P, et al. **Diabetologia** 12(3):207-9, Jul 76

Differential effects of two chemotherapeutic agents, streptozotocin and chlorozotocin, on the mammalian cell cycle. Tobey RA, et al. **Eur J Cancer** 11(6):433-41, Jun 75

Effects of streptozotocin added in vitro on insulin biosynthesis and release in isolated rat islets. Maldonato A, et al. **Horm Metab Res** Suppl 6:71-3, 1976

Proceedings: Effects of streptozotocin on the secretion of insulin from isolated islets of Langerhans of the mouse. Best L, et al. **J Endocrinol** 68(3):20P, Mar 76

Proceedings: Thyroxine levels in streptozotocin-, insulin, and glibenclamide-treated rats. Brown TJ, et al.
J Endocrinol 68(3):21P-22P, Mar 76

Islet cell membrane alteration by diabetogenic drugs. Orci L, et al. **Lab Invest** 34(5):451-4, May 76

Inhibition of insulin biosynthesis by alloxan, streptozotocin, and N-nitrosomethylurea. Gunnarsson R.
Mol Pharmacol 11(6):759-65, Nov 75

Elevated plasma proglucagon-like component with a glucagon-secreting tumor. Effect of streptozotocin. Danforth DN Jr, et al. **N Engl J Med** 295(5):242-5, 29 Jul 76

Effect of streptozotocin on the blood glucose level and histology of the principal islets of Channa punctatus (Bloch). Gill TS, et al. **Z Mikrosk Anat Forsch** 89(2):319-26, 1975

Electronmicroscopy studies on the exocrine pancreas of Wistar-Rats following treatment with Streptozotocin. Von

Dorsche HH, et al. **Endokrinologie** 65(3):354–63, 1975 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Islet cell carcinoma of the pancreas: effective therapy with 5–fluorouracil, streptozotocin, and tubercidin. Kraybill WG Jr, et al. **Am Surg** 42(7):467–70, Jul 76

Chemotherapy for malignant Zollinger–Ellison tumors: successful treatment with streptozocin and fluorouracil. Ruffner BW Jr. **Arch Intern Med** 136(9):1032–4, Sep 76

Malignant metastatic insulinoma treated with streptozotocin. Gefel A, et al. **Clin Endocrinol (Oxf)** 4(5):461–8, Sep 75

Successful treatment of a malignant gastrinoma with streptozotocin. Hayes JR, et al. **Gut** 17(4):285–8, Apr 76 (17 ref.)

Medical treatment of endogenous organic hyperinsulinism. Scandellari C, et al. **Horm Metab Res** Suppl 6:46–54, 1976

Letter: Streptozotocin in the Zollinger–Ellison syndrome. Lamers CB, et al. **Lancet** 2(7945):1150–1, 6 Dec 75

Letter: Streptozotocin in the Zollinger–Ellison syndrome. Sadoff L, et al. **Lancet** 2(7933):504–5, 13 Sep 75

Treatment of Zollinger–Ellison syndrome with streptozotocin. Stadil F, et al. **N Engl J Med** 294(26):1440–2, 24 Jun 76

Effect of streptozocin on gastrin release. Stadil F, et al. **Scand J Gastroenterol [Suppl]** 11(37):67–70, 1976

TOXICITY

Streptozotocin and renal amyloidosis in the Syrian hamster. Berman L, et al. **Am J Pathol** 84(1):139–48, Jul 76

STRESS

Editorial: A stressless definition of 'stress' and some speculations on its relationship to cardiovascular disease. Kagan A. **Acta Cardiol (Brux)** 30(5):331–2, 1975

Stress–induced response of liver tyrosine aminotransferase after repeated or continuous chloroform inhalation. Stefan M, et al. **Agressologie** 16(5):273–7, 1975

Stress and discomfort in psychological research: subject perceptions of experimental procedures. Farr JL, et al. **Am Psychol** 30(7):770–3, Jul 75

Letter: International documentation service on stress. Rodriguez A. **Can Med Assoc J** 113(5):367, 6 Sep 75

Forty years of stress research: principal remaining problems and misconceptions. Selye H. **Can Med Assoc J** 115(1):53–6, 3 Jul 76

Effect of pharmacological blockade of ACTH and TSH secretion on the acute stimulation of prolactin release by exposure to cold and ether stress. Jobin M, et al. **Endocrinology** 99(1):146–51, Jul 76

Impact of heat stress and strain on health. Dasler AR. **Environ Res** 11(2):280–2, Apr 76

Effect of special stress on morphology and structure in growing children. Motajová J. **Folia Morphol (Praha)** 24(2):191–6, 1976

Effects of stress and ACTH on plasma corticosterone levels in the caiman Caiman crocodilus. Gist DH, et al. **Gen Comp Endocrinol** 28(4):413–9, Apr 76

Blood glucose levels in intact and hypophysectomized river lampreys (Lampetra fluviatilis L) treated with insulin, 'stress' or glucose, before and during the period of sexual maturation. Larsen LO. **Gen Comp Endocrinol** 29(1) May 76

The effect of the thermal environment on neonatal mortality and morbidity. pp. 147–61. Sinclair JC.
In: Adamsons K, Fox HA, ed. Preventability of perinatal injury. New York, Liss, 1975. W1 PR668E v.2 1975. (39 ref.)

Sexual differentiation of the hippocampus: effects of immobilization stress on gonadotropin secretion in the rat. pp. 144–52. Terasawa E, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 1657p 1974.

The accuracy of the prediction of human strain from heat stress indices. pp. A295–301. Wyndham CH, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Thermography in orthopedics and in experimental stress. pp. 150–7. Brand PW.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Psychological test performance during climatic heat stress from dessert winds. Rim Y. **Int J Biometeorol** 19(1):37–40, Mar 75

Stress in the job and career of a dentist. Howard JH, et al. **J Am Dent Assoc** 93(3):630–6, Sep 76

Effect of exercise and thermal stress on plasma volume. Harrison MH, et al. **J Appl Physiol** 39(6):925–31, Dec 75

Physiological responses of men working in 25.5 degrees C water, breathing air or helium tri–mix. Hoar PF, et al. **J Appl Physiol** 40(4):605–10, Apr 76

Tibial stress syndrome in athletes. Clement DB. **J Sports Med** 2(2):81–5, Mar–Apr 75

Letter: Release of peripheral dopamine during stress. Snider SR. **Lancet** 2(7940):868, 1 Nov 75

The effects of litter size on plasma corticosterone and prolactin response to ether stress in the lactating rat. Myers MM, et al. **Neuroendocrinology** 19(1):54–8, 1975

Altering children's distress behavior during orthopedic cast removal. Johnson JE, et al. **Nurs Res** 24(6):404–10, Nov–Dec 75

Effects of pyridoxine on mice after immobilization stress. Lindenbaum ES, et al. **Nutr Metab** 17(6):368–74, 1974

Modification of prenatal stress effects in rats by adrenalectomy, dexamethasone and chlorpromazine. Smith DJ, et al. **Physiol Behav** 15(5):461–9, Oct 75

Acclimatization and adaptation to thermal stresses. Macfarlane WV. **Prog Biometeorol** 1 Pt 1B:468–73, 694–5, 1974

Stress testing methodology. Sheffield LT, et al.
Prog Cardiovasc Dis 19(1):33–49, Jul–Aug 76 (56 ref.)

On the distinction between psychological and physical stressors. Lamb DH. **Psychol Rep** 38(3 pt. 1):797–8, Jun 76

The effects of metiamide on the 'activity–stress' ulcer in rats. Houser VP, et al. **Psychopharmacologia** 44(1):37–41, 14 Oct 75

Some factors influencing the vasomotor response to cold pressor stimulation. Lovallo W, et al. **Psychophysiology** 12(5):499–505, Sep 75

Diver temperature and performance changes during long–duration, cold water exposure. Vaughan WS Jr. **Undersea Biomed Res** 2(2):75–88, Jun 75

Immunoglobulins under the influence of nonspecific factors II. The influence of work–stress on levels of immunoglobulins (IgG, IgA, IgM) of miners in uranium mines. Wagner V, et al. **Z Immunitaetsforsch** 148(4):356–65, Feb 75

The effect of age and strain on the amount of neurosecretion. Bastan SM. **Z Mikrosk Anat Forsch** 89(3):524–6, 1975

Stress–induced changes in cell titer of crayfish hemolymph. Hamann A. **Z Naturforsch [C]** 30(6):850, Nov–Dec 75

[Editorial: The organic reaction to stress yesterday and today] Laborit H. **Agressologie** 15(5):299–301, 1974 **(Fre)**

[Evaluation of the work constraint due to wearing a protective mask in spray painters] Rogowsky M, et al. **Arch Belg Med Soc** 33(3):149–67, Mar 75 (Eng. Abstr.) **(Fre)**

[Psychological characteristics and physiological reactions to stress in normal and coronary diseased subjects. III. Effect of certain psychological characteristics on physiological reactions to stress] Liesse M, et al. **J Psychosom Res** 20(2):77–83, 1976 (Eng. Abstr.) **(Fre)**

[Animal experimental studies on the effects of noise stress on male fertility] Günther E. **Andrologia** 8(2):95–100, 1976 (Eng. Abstr.) **(Ger)**

[Internal and external stress and tybamate and secobarbital: an experimental investigation of their interactions (author's transl)] Lehmann E. **Arzneim Forsch** 26(6):1132–3, 1976 (Eng. Abstr.) **(Ger)**

[Death from psychological reactions] Stumpfe KD. **Beitr Gerichtl Med** 33:139–42, 1975 (Eng. Abstr.) **(Ger)**

[Functional studies during stress in children with heart and lung diseases] Mocellin R. **Fortschr Med** 93(25):1149–50, 11 Sep 75 **(Ger)**

[Factor analysis of an inventory about subjective health status, strain and job satisfaction of clerks in travelling mail service (author's transl)] Rohmert W, et al. **Int Arch Occup Environ Health** 36(2):105–18, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Vascular surgery and patient stress tolerance with reference to anesthesia (author's transl)] Müller C. **Langenbecks Arch Chir** 339:191–7, Nov 75 (Eng. Abstr.) **(Ger)**

[The at risk personality] Tobiasch V. **Med Monatsschr** 30(8):351–3, Aug 76 **(Ger)**

[Stress sensitivity and adaptation] Baumann VR. **Z Gesamte Inn Med** 30(7):15–6 passim, 1 Apr 75 **(Ger)**

[Proceedings: The effect of after–stress on the normal and ischemic dog myocardium] Rönsberg D, et al. **Z Kardiol** Suppl 2:123, 1975 **(Ger)**

[What is weather sensitivity?] Faust V. **ZFA** 52(5):225–7, 20 Feb 76 **(Ger)**

[Influence of heparin on the general adaptation syndrome] Lukashin BP, et al. **Biull Eksp Biol Med** 80(9):16–8, Sep 75 (Eng. Abstr.) **(Rus)**

[Physiologo–hygienic evaluation of the work strain of women workers in fine drawing in cable producing factories] Filippov OV, et al. **Gig Tr Prof Zabol** (11):48–9, Nov 75 **(Rus)**

[Influence of DOPA on the reactions of fetuses of adrenalectomized and ovariectomized rats to adrenaline stress] Skebel'skaia IuB. **Probl Endokrinol (Mosk)** 21(4):73–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[General characteristics and knowledge of stress reaction] Gorizontov PD. **Vestn Akad Med Nauk SSSR** (8):81–9, 1975 (Eng. Abstr.) **(Rus)**

[The stress concept as we see it in 1975 (author's transl)] Selye H. **Folia Clin Int (Barc)** 25(10):509–23, Oct 75 **(Spa)**

BLOOD

Concentration of vitamin A, retinol–binding protein and prealbumin in serum in response to stress: A contribution to the prevention of stress ulcers by means of vitamin A. Kasper H, et al. **Acta Hepatogastroenterol (Stuttg)** 22(6):403–8, Dec 75

Algogenic activity of human plasma following muscular work. Vecchetti L, et al. **Adv Exp Med Biol** 70(00):177–82, 1976

Plasmatic variations of factors related to iron metabolism in stress. Balasch J, et al. **Agressologie** 16(2):89–93, 1975

Development of circadian periodicity in base and stress levels of corticosterone. Levin R, et al. **Am J Physiol** 229(5):1397–9, Nov 75

Acute lymphopenia, stress, and plasma cortisol. Ramaekers LH, et al. **Arch Dis Child** 50(7):555–9, Jul 75

Serum uric acid, cholesterol, and psychological moods throughout stressful naval training. Rahe RH, et al. **Aviat Space Environ Med** 47(8):883–8, Aug 76

Stress response patterns of plasma corticosterone, prolactin, and growth hormone in the rat, following handling or exposure to novel environment. Seggie JA, et al. **Can J Physiol Pharmacol** 53(4):629–37, Aug 75

Mediation of glucagon in the response of the domestic fowl to stress. Freeman BM, et al. **Comp Biochem Physiol [A]** 53(2):169–71, 1976

Blockade of the stress–induced decrease in blood GH by anti–somatostatin serum in rats. Arimura A, et al. **Endocrinology** 98(2):540–3, Feb 76

Increased rate of response of the pituitary–adrenal system in rats adapted to chronic stress. Sakellaris PC, et al. **Endocrinology** 97(3):597–602, Sep 75

Increased plasma creatine kinase activity in rabbits: effect of systematically repeated blood sampling. Bacou F, et al. **Experientia** 32(4):487–9, 15 Apr 76

Plasma free fatty acids and prostaglandin E1 in migraine and stress. Anthony M. **Headache** 16(2):58–63, May 76

Strong heat exposure and adenohypophyseal hormone secretion in man. Leppäluoto J, et al. **Horm Metab Res** 7(5):439–40, Sep 75

Influences of stress, age and sex on serum growth hormone and free fatty acid levels in cattle. Reynaert R, et al. **Horm Metab Res** 8(2):109–14, Mar 76

Are nocturnal cortisol spikes in depressed patients due to stress? pp. 231–2. Curtis GC.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Norepinephrinergic control of TRF–TSH secretion evoked by cold stress. p. 167. Annunziato L, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Effect of hypertensive stress on plasma dopamine–beta–hydroxylase activity and prostaglandins in quadriplegia. pp. 539–47. Naftchi NE, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Role of central catecholamines in stress–induced growth hormone release in man. pp. 187–93. Vigaš M, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

The role of imipramine hydrochloride on plasma transaminase and glucose level on rats under altitude stress. Chatterjee AK, et al. **Indian J Physiol Pharmacol** 20(1):42–5, Jan–Mar 76

Influence of surgical stress under general anesthesia on serum gonadotropin levels in male and female patients. Aono T, et al. **J Clin Endocrinol Metab** 42(1):144–8, Jan 76

Effects of acute and chronic stress on plasma corticosterone levels in the pregnant and non–pregnant mouse. Barlow SM, et al. **J Endocrinol** 66(1):9O–9, Jul 75

Hypocitricemic response to surgical stress in rats. Stacey R, et al. **J Surg Res** 19(6):391–5, Dec 75

Effects of ovariectomy on dexamethasone suppression of the adrenal axis in adult rats. Ramaley JA. **Neuroendocrinology** 20(3):260–9, 1976

Effects of stress on plasma corticosterone and growth hormone levels in rats with median eminence–pituitary islands. Rice RW, et al. **Neuroendocrinology** 19(4):339–51, 1975

Adrenal cortical response to circumcision in the neonate. Talbert LM, et al. **Obstet Gynecol** 48(2):208–10, AUG 76

Effects of spreading depression on stress–induced changes in plasma prolactin and LH. Colombo JA, et al. **Proc Soc Exp Biol Med** 150(1):211–4, Oct 75

The effect of stress on serum prolactin in the female rat. Riegle GD, et al. **Proc Soc Exp Biol Med** 152(3):441–8, Jul 76

The effect of various doses of minor tranquilizers on plasma corticosteroids in stressed rats. Lahti RA, et al. **Res Commun Chem Pathol Pharmacol** 11(4):595–603, Aug 75

Effect of hyperlipidemia and stress on platelet aggregation in rabbits. Oversohl K, et al. **Thromb Res** 7(3):481–92, Sep 75

[Changes in the levels of nonesterified rat serum fatty acids under physiologic and stress conditions (author's transl)] Suva J, et al. **Cas Lek Cesk** 114(36):1104–7, 5 Sep 75 (Eng. Abstr.) **(Cze)**

[Plasma renin activity and plasma aldosterone during anaesthesia and operative stress and beta–adrenergic blockade (author's transl)] Wernze H, et al. **Anaesthesist** 24(11):471–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Role of plasma and gastric histamine under conditions of stress in patients] Roscher R, et al. **Langenbecks Arch Chir** Suppl:283–5, 1975 (Eng. Abstr.) **(Ger)**

[Vitamin A and stress ulcer (author's transl)] Schellerer W, et al. **Munch Med Wochenschr** 117(42):1701–4, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Evaluation of the response of some lipid parameters to acute and chronic stress] Descovich GC, et al. **Boll Soc Ital Cardiol** 18(8):755–65, 1973 **(Ita)**

[Depression of an increase of fatty acids in the blood of monkeys during stress by means of the administration of

prostaglandin] Mikhailov ML, et al. **Biull Eksp Biol Med** 79(4):55–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Changes in the functioning of the anticoagulant system of splenectomized animals during immobilization] Kudriashov BA, et al. **Fiziol Zh SSSR** 62(5):694–8, May 76 (Eng. Abstr.) **(Rus)**

[Acetylcholine and cholinesterase levels in the blood during surgical stress (resection of the stomach)] Stepanova GG, et al. **Klin Khir** (12):61–3, Dec 75 **(Rus)**

[Effect of intraventricular administration of 6-hydroxydopamine on the radiation stress induced increase in plasma corticosterone] Popov PG, et al. **Radiobiologiia** 15(6):899–902, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[The role of ACTH in the formation of heparin complexes in blood under immobilization stress conditions] Kudrjashov BA, et al. **Thromb Res** 7(2):285–95, Aug 75 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Increase of 5-hydroxyindoleacetic acid and homovanillic acid in cisternal fluid of cats subjected to stress. Griauzde M, et al. **J Neurochem** 26(6):1301–2, Jun 76

COMPLICATIONS

Stress fractures. Rankin EA, et al. **Am Fam Physician** 13(6):71–4, Jun 76

A new model of stress ulcer in the rat with pylorus ligation and its pathogenesis. Takeuchi K, et al. **Am J Dig Dis** 21(9):782–8, Sep 76

Incidence of stress ulcer formation associated with steroid therapy in various shock states. Jama RH, et al. **Am J Surg** 130(3):328–31, Sep 75

Stress ulceration in the acutely ill. Skillman JJ, et al. **Annu Rev Med** 27:9–22, 1976

The probability of heat stroke developing at different levels of heat stress. Wyndham CH, et al. **Arch Sci Physiol (Paris)** 27(4):545–62, 1973

Pigs susceptible to energy metabolism in the fulminant hyperthermia stress syndrome. Williams CH, et al. **Br Med J** 3(5980):411–3, 16 Aug 75

The effects of metiamide on gastric secretion and stress ulceration in rats. Dai S, et al. **Eur J Pharmacol** 33(2):277–82, Sep–Oct 75

Psychosocial stressors and cardiovascular disease. pp. 146–55. Theorell T.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Effect of dopamine-beta-hydroxylase inhibitor on stress-induced gastric ulcer. pp. 159–65. Hidaka H, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Stress, catecholamines and thyrotoxicosis. pp. 169–77. Udupa KN, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Letter: Failure of anaemic stress to evoke leukaemia in x-irradiated rats. Myers DK. **Int J Radiat Biol** 28(2):177–80, Aug 75

Prenatal effects of elymoclavine adminstration and temperature stress. Witters WL, et al. **J Anim Sci** 41(6):1700–5, Dec 75

Effect of stress and aspirin on extrahepatic portal hypertension in rats. Grosfeld JL, et al. **J Pediatr Surg** 10(5):609–15, Oct 75

Effects of stress on healing wounds: I. Intermittent noncyclical tension. Arem AJ, et al. **J Surg Res** 20(2):93–102, Feb 76

The prevention of stress ulcers by metiamide, an H2-receptor antagonist. Bodily K, et al. **J Surg Res** 20(3):203–9, Mar 76

Letter: Role of stress in heart disease. Webb HB. **JAMA** 234(4):380, 27 Oct 75

Treatment of stress-induced upper gastrointestinal/hemorrhage with metiamide. MacDonald AS, et al. **Lancet** 1(7950):68–70, 10 Jan 76

Effect of stress on field dependence. Sarris V, et al. **Percept Mot Skills** 43(1):121–2, Aug 76

Effects of postinatal stress on visual and auditory evoked potentials. Torda C. **Percept Mot Skills** 43(1):315–22, Aug 76

Effects of manipulating cholinergic tone upon the activity-stress ulcer. Houser V, et al. **Pharmacol Biochem Behav** 3(5):825–31, Sep–Oct 75

The effect of neuroleptics on the development of gastric ulcers in rats exposed to restraint-cold stress. Hano J, et al. **Pol J Pharmacol Pharm** 28(1):37–47, Jan–Feb 76

Attenuation of salicylate and stress-produced gastric ulceration by metiamide. Brown PA, et al. **Proc West Pharmacol Soc** 18:123–7, 1975

Diuranal rhythms in 2- and 8-week-old infants: sleep-waking state organization as a function of age and stress. Sostek AM, et al. **Psychosom Med** 38(4):250–6, Jul–Aug 76

Stress, hormones, and cardiovascular disease. Selye H. **Recent Adv Stud Cardiac Struct Metab** 1:701–6, 1972

Cardiomyopathy in crowded rabbits. Weber HW, et al. **Recent Adv Stud Cardiac Struct Metab** 6:471–7, 1975

Letter: Of stress, vitamin A, and tumors. **Science** 193(4247):74–5, 2 Jul 76

Suceptibility of mice to audiogenic seizures is increased by handling their dams during gestation. Beck SL, et al. **Science** 193(4251):427–8, 30 Jul 76

Stress-induced hyperphagia and obesity in rats: a possible model for understanding human obesity. Rowland NE, et al. **Science** 191(4224):310–12, 23 Jan 76

Experimental stress ulcers: a review. Butterfield WC. **Surg Annu** 7:261–78, 1975 (105 ref.)

Effect of metiamide in prevention of experimental stress ulcers. Foster LD, et al. **Surg Forum** 26:360–1, 1975

[An imperative when faced by arteriosclerosis: the need to combat all and every risk factor (hypertension, smoking, hyperlipidemia, sedentary life, stress)] Dallocchio M, et al. **Sem Hop Ther** 50(10):687–90, Dec 74 **(Fre)**

[Prospective clinical studies on stress ulcer (author's transl)] Schellerer W, et al. **Munch Med Wochenschr** 117(42):1697–1700, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Stress ulcer: clinical aspects, pathogenesis, diagnosis and therapy] Fahrländer H, et al. **Z Gastroenterol** 14(2):168–78, Mar 76 **(Ger)**

[The importance of occupational strain in the development of degenerative changes in the spine] Mach J, et al. **Z Gesamte Hyg** 22(5):352–4, May 76 **(Ger)**

[Clinical studies of arterial hypertension and coronary disease and their possible relations to the work environment in chemical industry workers] Capellini A, et al. **Med Lav** 65(7–8):297–305, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Morphological studies of gastric vasoconstriction, with special reference to ulcerative changes induced by restraint] Hattori T. **Jpn J Gastroenterol** 72(10):1240–51, Oct 75 (Eng. Abstr.) **(Jpn)**

[The effect of functional overstrain of the central nervous system and endocrine disorders on the development of experimental atherosclerosis in dogs] Fokin AS, et al. **Biull Eksp Biol Med** 79(5):28–31, May 75 (Eng. Abstr.) **(Rus)**

[Periostitis and periostosis caused by overstrain] Mironova ZS, et al. **Ortop Travmatol Protez** (6):41–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of blockade of the choline-reactive systems on the origins of 'stress' and 'steroid' ulcers of the stomach] Berger EN, et al. **Patol Fiziol Eksp Ter** (1):29–32, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Cholinergic and energetic shifts in the structures of the central nervous, cardiovascular, and digestive systems in the development of stress ulcers of the stomach] Kryshen' PF, et al. **Patol Fiziol Eksp Ter** (4):48–51, Jul–Aug 75 **(Rus)**

[Changes in the acetylcholine content of the wall of the stomach in the formation of 'stress' and 'steroid' stomach ulcers in animals with disorders of function of the thyroid gland] Rosolovskiĭ AP. **Patol Fiziol Eksp Ter** (4):44–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Contribution to the pathogenesis of experimental hypertension in rabbits. The significance of stress and salt (author's transl)] Kadlec O, et al. **Bratisl Lek Listy** 64(5):544–54, Nov 75 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

[Postimperative negativity of the contigent negative variations: a critical index of a stress reaction in the normal subject?] Gauthier P, et al. **C R Soc Biol (Paris)** 169(6):1589–92, 1975 (Eng. Abstr.) **(Fre)**

[Clinico-immunological correlations in neurocirculatory dystonia and the adaptation syndrome] Zaikin VS, et al. **Voen Med Zh** (6):71–2, Jun 75 **(Rus)**

DIET THERAPY

Benefits of dietary fructose in alleviating the human stress response. pp. 54–72. Palm JD.
In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974.

DRUG THERAPY

Proceedings: The modification of the adaptive response to stress by carbohydrate-containing infusions. Rowlands BJ, et al. **Br J Surg** 62(8):658, Aug 75

Letter: Beta-blockers in anxiety and stress. Benton KG. **Br Med J** 1(6012):769, 27 Mar 76

[Therapeutic influence of cerebrolysin on the long-term stress barrier after an accident] Wanderka H. **Z Allgemeinmed** (26):1161–6, 20 Sep 75 **(Ger)**

[Morphofunctional manifestations of rat adrenal cortical reaction to the administration of sodium bromide under conditions of hypodynamic stress] Kirichek LT, et al. **Farmakol Toksikol** 38(6):703–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Heart biochemical responses in miniature swine subjected to +Gz acceleration. Dowell RT, et al. **Aviat Space Environ Med** 46(11):1378–82, Nov 75

Effect of environmental stress of low pressure on tyrosine aminotransferase and phenylalanine 4-hydroxylase activities in the rat. Namboodiri MA, et al. **Biochem J** 150(2):263–8, Aug 75

Sympathetic nerve endings in the pineal gland protect against acute stress-induced increase in N-acetyltransferase (EC 2.3.1.5.) activity. Parfitt AG, et al. **Endocrinology** 99(3):840–51, Sep 76

Modulation of adrenal medullary enzymes by stress. pp. 257–64. Bhagat BD, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

The effect of immobilisation on the activity of serotonin N-acetyltransferase in the rat epiphysis. pp. 129–36. Illnerová H.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

A protective role of nerve endings in the stress-stimulated increase in pineal N-acetyltransferase activity. pp. 119–28. Klein DC, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Hypobaric stress and enzymes in the metabolism of tyrosine, the precursor of catecholamines. pp. 213–23. Namboodiri MA, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Modification of adrenal tyrosine hydroxylase activity in rats following manipulation in infancy. pp. 265–70. Pfeifer WD.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Brain dopamine beta hydroxylase activity: response to stress, tyrosine hydroxylase inhibition, hypophysectomy and ACTH administration. pp. 77–87. Van Loon GR.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Effect of stress, adrenalectomy and steroids on brain cholinesterase. Naik SR, et al. **Indian J Med Res** 63(5):695–700, May 75

Alcohol-hexobarbital interaction in rats under acute stress. Chung H, et al. **Life Sci** 18(1):123–8, 1 Jan 76

Delayed increase of adrenal TH adn PNMT activities following cold stress in the mouse. Hoffman A, et al. **Life Sci** 17(4):557–62, 15 Aug 75

Stress-induced response of mouse liver tyrosine aminotransferase after irradiation. Stefan M, et al. **Physiologie** 12(4):303–5, 1975

Liver enzymatic induction after repeated or prolonged stress. Stefan M. **Physiologie** 13(2):161–3, Apr–Jun 76 (Eng. Abstr.)

[Effect of immobilization stress on the regulatory characteristics of enzymes participating in membrane digestion] Egorova VV, et al. **Dokl Akad Nauk SSSR** 227(5):1264–7, 11 Apr 76 **(Rus)**

[Change in the activity of glycolytic enzymes in different areas of the albino rat brain in dependence on the stress agent] Turova NF, et al. **Ukr Biokhim Zh** 47(2):149–53, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Influence of stress on the activity of cholinesterase in the heart and liver in a 24-hour rhythm] Baláž V, et al. **Fysiatr Reumatol Vestn** 54(1):37–41, Feb 76 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Effect of family visits on the blood pressure and heart rate of patients in the coronary-care unit. Brown AJ. **Heart Lung** 5(2):291–6, Mar–Apr 76

The metabolites of catecholamines in urine of patients irradiated therapeutically. Peričić D, et al. **Int J Radiat Biol** 29(4):367–76, Apr 76

[The matter of stress] Tobiasch V. **Med Monatsschr** 29(7):291–6, Jul 75 **(Ger)**

[Stress caused by immobilization and low protein intake in rats. Morphological changes] Zucoloto S, et al. **Arch Latinoam Nutr** 25(4):385–400, Dec 75 (Eng. Abstr.) **(Por)**

[Stress due to immobilization and low protein intake in rats. Biochemical changes] Zucoloto S, et al. **Arch Latinoam Nutr** 25(4):375–84, Dec 75 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Lowering of innate resistance of the lungs to the growth of blood-borne cancer cells in states of topical and systemic stress. Van Den Brenk HA, et al. **Br J Cancer** 33(1):60–78, Jan 76

Influence of brain and behavior on the immune system. Stein M, et al. **Science** 191(4226):435–40, 6 Feb 76 (80 ref.)

[Lymphoid tissue and the body's non-specific resistance] Gorizontov PD. **Arkh Patol** 38(3):3–13, 1976 (Eng. Abstr.) **(Rus)**

[T-lymphocyte migration into the bone marrow in the initial period of the stress reaction] Zimin IuI, et al. **Biull Eksp Biol Med** 80(12):68–70, Dec 75 (Eng. Abstr.) **(Rus)**

METABOLISM

The effects of adrenaline, reserpine, and atropine on acetylcholine content of the brain and peripheral ganglia in stress. Billewicz-Stankiewicz J, et al. **Acta Physiol Pol** 26(3):289–97, May–Jun 75

Acetylcholine content in the central and peripheral nervous system and its synthesis in the rat brain during stress and post-stress exhaustion. Zajączkowska MM. **Acta Physiol Pol** 26(5):493–7, Sep–Oct 75

Histamine content and synthesis in central and pheripheral nerve structures during stress. Maśliński C, et al. **Agents Actions** 5(1):4–8, Feb 75

Proceedings: Decreased turnover of histamine in the brain of restrained mice. Verdière M, et al. **Agents Actions**

5(5):469, Dec 75
Oral nicotine ingestion and incidence of activity–stress ulcer in the rat. Paré WP. **Biochem Med** 14(1):51–6, Sep 75
Effects of recurrent postnatal stresses on hypothalamic concentrations of norepinephrine. Torda C. **Biol Neonate** 29(3–4):142–7, 1976
Effects of fasting, stress and drugs on gastric glycoprotein synthesis in the rat. Dekanski JB, et al. **Br J Pharmacol** 55(3):387–92, Nov 75
Proceedings: Alterations in dopamine uptake in rat corpus striatum induced by combinations of stress and delta8–tetrahydrocannabinol (delta8–THC). Littleton JM, et al. **Br J Pharmacol** 56(3):370P, Mar 76
Effects of stress on mouse brain cyclic nucleotide levels in vivo. Dinnendahl V. **Brain Res** 100(3):716–9, 26 Dec 75
Effects of ACTH, dexamethasone, adrenalectomy and stress on cAMP content of adenohypophysis and adrenals in rats. Makino H, et al. **Endocrinol Jpn** 22(5):373–7, Oct 75
Alterations in steroid and gonadotropin release resulting from surgical stress during the morning of proestrus in 5–day cyclic rats. Nequin LG, et al. **Endocrinology** 97(3):718–24, Sep 75
Studies on fast feedback mechanisms by endogenous glucocorticoids. Sakakura M, et al. **Endocrinology** 98(4):954–7, Apr 76
Temporal study of 5–hydroxyindoleacetic acid normalization during recovery from immobilization stress. Morgan WW, et al. **Exp Neurol** 51(1):259–62, Apr 76
[Biological membrane structure and function: relationship to senescence, stress and pathogenicity] Haard NF. **Folia Vet Lat** 5(4):589–634, Oct–Dec 75 **(Eng, Ita)**
Intermittent hyperthyreosis — a heat stress syndrome. Sulman FG, et al. **Horm Metab Res** 7(5):424–8, Sep 75
Pathobiochemistry of post–stress metabolism. pp. 31–44. Schultis K, et al.
In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 I43 1974. (14 ref.)
Dynamics of the regulation of CRF content in the rat hypothalamus under resting and stressful conditions. pp. 102–12. Hiroshige T, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.
Stress and cerebro–hepatic axis with special reference to steroids metabolism. pp. 77–82. Nomura J, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.
The effect of adrenergic blocking agents and nicotinic acid on lipid and carbohydrate metabolism in immobilized rat. pp. 491–7. Ahlersova E, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Coronary A–V difference of plasma dopmaine–beta–hydroxylase activity during stress situation of cardiopulmonary bypass in patients. pp. 563–6. Barta E, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Certain aspects of catecholamine metabolism in man under stress. pp. 589–92. Bolshakova TD.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
New approaches to controlling the activity of phenylethanolamine N–methyltransferase in stress. pp. 313–20. Borchardt RT.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Dopamine beta–hydroxylase in organ culture of rat adrenal medulla: synthesis, storage, release and trans–synaptic induction. pp. 305–12. Gagnon C, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
3H–Tyrosine incorporation into proteins and catecholamines in immobilized rats. pp. 377–86. Huszti Z, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
The effect of monoamine oxidase inhibitors on the synthesis and degradation of catecholamines in immobilized rats. pp. 331–40. Kenessey A, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Selective alterations of catecholamines and tyrosine hydroxylase activity in the hypothalamus following acute and chronic stress. pp. 29–38. Kobayashi RM, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Effect of stress on catecholamine synthesizing and degrading enzymes in control and spontaneously hypertensive rats. pp. 237–49. Kvetňanský K, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamines in individual hypothalamic nuclei in stressed rats. pp. 39–50. Kvetňansky R, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Main phases of catecholamine metabolism under stress. pp. 353–65. Matlina ES.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamines in the regions of circumventricular organs of rats exposed to stress. pp. 89–93. Mitro A, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Effects of physiological and pharmacological stress on the subcellular distribution of adrenergic storage vesicles in rat heart. pp. 399–407. Molinoff PB, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Effect of traumatic stress on catecholamine synthesis and metabolism in the spinal cord. pp. 367–75. Naftchi NE, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Trans–synaptic induction of tyrosine hydroxylase: role of cyclic nucleotides and glucocorticoids. pp. 271–2. Otten U, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Effect of stress on serotonin and tryptophan hydroxylase activity of brain nuclei. pp. 51–9. Palkovits M, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamine synthesis, release and excretion and adrenocortical activity in the heat–stressed rat. pp. 437–43. Petrović VM, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamines and heat stress. p. 435. Sultanov FF.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Relationship of catecholamines, histamine and serotonin in men under different kinds of stress. p. 527. Veisfeld IL, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Effect of acute stress on norepinephrine and 5–hydroxytryptamine in rats. pp. 469–74. Weil–Fugazza J, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Proceedings: Effects of 18–hydroxydeoxycorticosterone on stress–induced release of corticotrophin. Tiptaft E, et al. **J Endocrinol** 69(3):33P–34P, Jun 76
Effect of taurine on alteration in adrenal functions induced by stress. Nakagawa K, et al. **Jpn J Pharmacol** 25(6):737–46, Dec 75
Norepinephrine–epinephrine and serotonin content of nasal mucosa in relation to hemorrhage, reserpine and excitement. Arihood SA, et al. **Life Sci** 18(2):211–4, 15 Jan 76
Effect of L–tryptophan and restraint stress on hypothalmic and brain serotonin turnover, and pituitary TSH and prolactin release in rats. Mueller GP, et al. **Life Sci** 18(7):715–24, 1 Apr 76
Effect of cold stress on rapeseed oil fed rats. Hulan HW, et al. **Lipids** 11(1):6–8, Jan 76
Basal and stress–induced adrenal cortical activities in the chronic thalamic pigeon. Baylé JD. **Neuroendocrinology** 20(1):14–20, 1976
Effects of differential hippocampal damage upon rhythmic and stress–induced corticosterone secretion in the rat. Lanier LP, et al. **Neuroendocrinology** 18(2):154–60, 1975
Effects of stress on catecholamines and tyrosine hydroxylase activity of individual hypothalamic nuclei. Palkovits M, et al. **Neuroendocrinology** 18(2):144–53, 1975
Effect of stress on the uptake of 3H–norepinephrine into rat myocardium. Bassett JR, et al. **Pharmacol Biochem Behav** 4(1):39–44, Jan 76
Endogenous levels of catecholamines in the rat myocardium following exposure to stress. Bassett JR, et al. **Pharmacol Biochem Behav** 4(1):35–8, Jan 76
Influence of environmental stresses on functional maturation of renal organic anion transport. Hook JB, et al. **Proc West Pharmacol Soc** 18:344–7, 1975
Cardiotoxicity of isoproterenol in experimental animals. Influence of stress, obesity, and repeated dosing. Balazs T. **Recent Adv Stud Cardiac Struct Metab** 1:770–8, 1972
Oxidative phosphorylation in mitochondria isolated from stressed rat heart. Nagano M, et al. **Recent Adv Stud Cardiac Struct Metab** 8:293–300, 1975
Effect of combination of stresses on myocardial metabolism. Tariq M, et al. **Recent Adv Stud Cardiac Struct Metab** 10:29–36, 1975
The effect of hormone induced stress upon the extent of alkylation of rat liver nucleic acids by N–methyl–N–nitrosourea. Magin MN, et al. **Z Krebsforsch** 84(3):217–22, 25 Nov 75
[Effect of stress load on the changes of precursor demands and synthesis of macromolecules in the central nervous system] Jakoubek B. **Cesk Fysiol** 24(6):523–6, 1975 **(Cze)**
[Effects of rapeseed oil on production of corticosterone by rats subjected to stresses (physical effort, cold] Budzynska–Topolowska J, et al. **Ann Nutr Aliment** 29(1):33–43, 1975 (Eng. Abstr.) **(Fre)**
[Characteristics of enzyme induction induced by chlordan. IV. Influence of various types of stress in mice induced by chlordan] Denys A, et al. **Therapie** 30(2):277–88, Mar–Apr 75 **(Fre)**
[Utilization of carbohydrates in stress situations] Geser CA. **Infusionstherapie** 1(3):215–9, Feb 74 (Eng. Abstr.) **(Ger)**
[The utilization of carbohydrates in stress situations] Geser CA. **Infusionstherapie** 1(3):215–9, Feb 74 (Eng. Abstr.) **(Ger)**
[Significance of lipid metabolism in surgical diseases] Stremmel W. **Infusionstherapie** 1(3):238–43, Feb 74 (Eng. Abstr.) **(Ger)**
[Effect of a new beta–receptor blockader (Bunitrolol) on the circulation and metabolism during extreme stress conditions] Keul J, et al. **Med Welt** 27(9):437–43, 27 Feb 76 **(Ger)**
[Effect of stress on parietal hydrolysis of saccharose in rats] Lazovskaia AV. **Biull Eksp Biol Med** 79(6):38–40, Jun 75 (Eng. Abstr.) **(Rus)**
[The role of adrenaline and ACTH in the process of complex heparin compound formation in the blood during imobilization stress] Kudriashov BA, et al. **Probl Endokrinol (Mosk)** 21(5):54–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Changes of myocardial catecholamines in experimental stress and during assisted circulation] Holec V, et al. **Rozhl Chir** 55(3):160–5, Mar 76 (Eng. Abstr.) **(Slo)**

MORTALITY

Importance of sex and estrogens in amelioration of lethal circulatory stress reactions: relationship to microcirculatory and reticuloendothelial system function. Altura BM. **Adv Exp Med Biol** 67(00):289–312, 1976

PATHOLOGY

Morphokinetics of rat parathyroids during stress. Waniewski E, et al. **Ann Med Sect Pol Acad Sci** 20(2):133–4, 1975
Histochemical and electron microscopic studies of acute cardiomyopathy induced by restraint stress in pigs. Jönsson L, et al. **Recent Adv Stud Cardiac Struct Metab** 6:461–70, 1975
[The effect of gravitational stress in the pelvis—head direction on the blood vessels of the sympathetic trunk] Muratikova VA. **Arkh Anat Gistol Embriol** 70(1):41–5, Jan 76 (Eng. Abstr.) **(Rus)**
[Changes in the spinal cord of rats following the effects of single and multiple gravitational overloads of the 'head–pelvis' direction] Sokolova ZA. **Arkh Anat Gistol Embriol** 69(8):51–5, Aug 75 (Eng. Abstr.) **(Rus)**
[Ultrastructure of the duodenal mucosa in rats under stress] Perov IuL, et al. **Biull Eksp Biol Med** 81(5):625–8, May 76 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Gravitational stress and autonomic cardiac blockade. Bjurstedt H, et al. **Acta Physiol Scand** 96(4):526–31, Apr 76
A synergistic interaction between aspirin, or other non–steroidal anti–inflammatory drugs, and stress which produces severe gastric mucosal damage in rats and pigs. Rainsford KD. **Agents Actions** 5(5):553–8, Dec 75
Studies on the functional activity of the adrenal cortex in rats under prolonged hypokinesia. Hadjiolova I, et al. **Agressologie** 16(3):187–91, 1975
Physiological temperature response and embryonic mortality in stressed swine. Wildt DE, et al. **Am J Physiol** 229(6):1471–5, Dec 75
Physiological responses and warm discomfort during heat strain. Gonzalez RR, et al. **Arch Sci Physiol (Paris)** 27(4):563–71, 1973
The effects of heat stress upon human productivity. Wyndham CH. **Arch Sci Physiol (Paris)** 27(4):491–7, 1973
The accuracy of the prediction of human strain from heat stress indices. Wyndham CH, et al. **Arch Sci Physiol (Paris)** 27(3):295–301, 1973
The effects of moderate heat stress on typewriting performance. Wyon DP. **Arch Sci Physiol (Paris)** 27(4):499–509, 1973
Receptor reaction to odor–stress. A paradigm and methodological exploration. Fraser JA, et al. **Atmos Environ** 10(2):151–7, 1976
Sex ratio in offspring of pilots: a contribution to stress research. Goerres HP, et al. **Aviat Space Environ Med** 47(8):889–92, Aug 76
Proceedings: Fibrinolytic and risk factors for coronary heart disease. Shaper AG, et al. **Br Heart J** 38(3):313, Mar 76
Letter: Effect of stress on blood perfusion and vascular space in transplanted mouse tumours. Zanelli GD, et al. **Br J Radiol** 49(580):382–4, Apr 76
Effect of stress of dieldrin toxicity to male redwinged blackbirds (Agelaius phoeniceus). Clark DR Jr. **Bull Environ Contam Toxicol** 14(2):250–6, Aug 75
The response of dietary stressed Periplaneta americana to chronic intake of pure aflatoxin B. Llewellyn GC, et al. **Bull Environ Contam Toxicol** 15(4):391–7, Apr 76
Stress–induced and sympathetically–mediated electrocardiographic and circulatory variations in the primary hyperkinetic heart syndrome. Guazzi M, et al. **Cardiovasc Res** 9(3):342–54, May 75
Evaluation of left ventricular performance in coronary heart disease: use of isometric handgrip stress test. Helfant RH, et al. **Cathet Cardiovasc Diagn** 2(1):59–67, 1976
Effects of mental arithmetic on arterial pressure and hand blood flow. Ludbrook J, et al. **Clin Exp Pharmacol Physiol** Suppl 2:67–70, 1975
Biogenic amines and acute thermal stress in the rat. Williams BA, et al. **Comp Biochem Physiol [C]** 51(1):67–71, 1 Jun 75
Corticosterone–induced changes in hypothalamic corticotropin–releasing factor (CRF) content after stress. Sato T, et al. **Endocrinology** 97(2):265–74, Aug 75
Surgical stress: decrease in plasma testosterone levels due to hypersecretion of ACTH? Sorcini G, et al. **Folia Endocrinol (Roma)** 27(6pt2):685–95, Dec 74
Effect of acute heat stress on some renal functions in the sickle cell patient. Addae S, et al. **Ghana Med J** 10(1):14–22,

Mar 71
Stress and biological rhythm: their impact on pathophysiologic research strategy into schizophrenic illnesses. pp. 83–101. Fukuda T, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.
Studies of long feedback via glucocorticoid and short feedback via ACTH. pp. 198–205. Takebe K, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.
The sub-clinical effects of environmental stress. pp. 71–6. Harrop-Griffiths H.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Role of taurine in adrenal gland: a preventive effect on stress-induced release of catecholamines from chromaffin granules. pp 335–45. Kuriyama K, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Effect of septal lesions on adrenal cortical and medullary activity during stress. pp. 437–41. Murgaš K, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.
Adrenocorticotrophin and vasopressin in foetal sheep and the response to stress. pp. 112–25. Alexander DP, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.
Relationship of stress and microvascular platelet aggregation in the heart. pp. 257–62. Haft JI.
In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.
Effect of propranolol on stress-induced hemodynamic changes in monkeys. pp. 317–22. Forsyth RP.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 I604b 1975.
The role of stress factors in ischaemic heart disease and their modulation by beta-receptor antagonists. pp 167–72. Taylor SH.
In: Schweizer W, ed. Beta-blockers – present status and future prospects. Bern, Huber, 1974. QV 132 B562 1974.
Inhibition of stress-induced ACTH secretion by norepinephrine in the dog: mechanism and site of action. pp. 139–43. Ganong WF, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamines and cold stress. pp. 419–34. Janský L, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c. (60 ref.)
Catecholamines and stress. pp. 1–5. Kopin IJ.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Locus coeruleus, noradrenaline metabolism and stress. pp. 105–11. Korf J.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
The role of catecholamines in adaptation to chronic and acute stress. pp. 409–17. LeBlanc J.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamines and corticosteroids in acute and repeated stress. pp. 445–55. Mikulaj L, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Comparison of the effects of various stresses on biogenic amines in the central nervous system and animal symptoms. pp. 95–103. Saito H, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamines, system hypothalamus–hyophysis adrenal cortex and stress. p. 157. Schreiberg GL, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Changes induced by stress in the activity of the serotoninergic system in limbic brain structures. pp. 145–56. Telegdy G, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Disturbances in atrioventricular conductivity during stress. Manoach M, et al. **Isr J Med Sci** 11(8):847–9, Aug 75
The influence of fasting and stress on the response of rats to warfarin. Laliberté R, et al. **J Pharmacol Exp Ther** 196(1):194–203, Jan 76
The effect of central nervous system narcosis on the sympathetic response to stress. Taylor JW, et al.
J Surg Res 20(4):313–20, Apr 76
Coronary collateral circulation during stress and the effects of aorta-coronary bypass grafts. Cox JL, et al.
J Thorac Cardiovasc Surg 71(4):540–4, Apr 76
Man in transit: Biochemical and physiological changes during intercontinental flights. Carruthers M, et al. **Lancet** 1(7967):977–81, 8 May 76
Letter: Release of peripheral dopamine during stress. Snider SR. **Lancet** 2(7940):868, 1 Nov 75
Central nervous system mediation of pituitary adrenal rhythmicity. Redgate ES. **Life Sci** 19(2):137–45, 15 Jul 76 (58 ref.)
Direct measurement of stress in the wall of the normal and pressure-overloaded right ventricle of the dog heart. Comparison with stress in spherical models. Tarczyńska M, et al. **Mater Med Pol** 7(3):186–90, Jul–Sep 75
The development of sex differences in the adrenal morphology and responsiveness in stress of rats from birth to the end of life. Senčar-Cupović I, et al.
Mech Ageing Dev 5(1):1–9, Jan–Feb 76
Selective activation of mesocortical DA system by stress. Thierry AM, et al. **Nature** 263(5574):242–4, 16 Sep 76
Central effects of scopolamine and (+)-amphetamine on locomotor activity: interaction with strain and stress variables; Anisman H, et al. **Neuropharmacology** 14(11):835–40, Nov 75
Physiological and biochemical concomitants of restraint stress in rats. Keim KL, et al.
Pharmacol Biochem Behav 4(3):289–97, Mar 76
Effect of recurrent stress on postnatal increase of tyrosine hydroxylase. Torda C. **Pharmacol Biochem Behav** 3(5):735–8, Sep–Oct 75
Response of the adrenals to stress in animals from litters with different numbers of young. Macho L, et al.
Physiol Bohemoslov 24(6):501–8, 1975
The stress dependent nature of apomorphine hyperthermia in the rabbit. Snow A, et al. **Proc West Pharmacol Soc** 18:43–5, 1975
Response of the regional lymphatic system of the sheep to acute stress and adrenaline. Shannon AD, et al.
Q J Exp Physiol 61(3):169–84, Jul 76
Sympathetic control of coronary and systemic hemodynamics in emotional stress in the conscious dog. Bergamaschi M, et al. **Recent Adv Stud Cardiac Struct Metab** 3:399–407, 1973
Antiserum to somatostatin prevents stress-induced inhibition of growth hormone secretion in the rat. Terry LC, et al. **Science** 192(4239):565–7, 7 May 76
Effect of surgical trauma on host defense. Saba TM, et al. **Surg Annu** 7:71–102, 1975 (160 ref.)
Gastroduodenal blood flow in stress and hypoxia: an experimental approach. Broadie T, et al. **Surg Forum** 26:397–9, 1975
Stress in surgical patients as a neurophysiologic reflex response. Wilmore DW, et al. **Surg Gynecol Obstet** 142(2):257–69, Feb 76 (124 ref.)
The relation between maternal restraint and food deprivation, plasma corticosterone, and induction of cleft palate in the offspring of mice. Barlow SM, et al. **Teratology** 12(2):97–103, Oct 75
Diver temperature and performance changes during long-duration, cold water exposure. Vaughan WS Jr.
Undersea Biomed Res 2(2):75–88, Jun 75
[Healing of stress damage to gastric mucosa in the rat] Antalovská Y, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 17(1–2):11–4, 1974 **(Cze)**
[Stress, psychological characteristics, and respiratory variables] Van Imschoot K, et al. **Acta Psychiatr Belg** 75(3):255–72, May 75 **(Fre)**
[Rat adrenal cortex response to immobilization stress with or without hypothermia] Buchel L, et al.
C R Soc Biol (Paris) 168(10–11–12):1202–7, 1974 (Eng. Abstr.) **(Fre)**
[Lactation and sensitivity to corticotropicaxis to stress] Lescoat G, et al. **J Physiol (Paris)** 70(6):695–708, Jan 76 (Eng. Abstr.) **(Fre)**
[Experimental thermal stress and cardiovascular modifications] Triandaf I, et al. **Physiologie** 12(2):97–102, 1975 **(Fre)**
[Studies of plasma corticosterone in rats under various stress conditions] Vlădescu C. **Physiologie** 12(3):221–7, 1975 **(Fre)**
[Histological and histochemical animal–experiment studies on the influence of cummulative irritation on the gastric mucosa barrier] Bergmann M, et al.
Dtsch Z Verdau Stoffwechselkr 34(5–6):279–86, 1974 **(Ger)**
Altered adaptation behavior in the elderly (author's transl)] Pusch HJ, et al. **Munch Med Wochenschr** 118(37):1149–52, 10 Sep 76 (Eng. Abstr.) **(Ger)**
[Comparative studies on influences of physical and psychological strain on the ECG in coronary disease patients] Stein G, et al. **Z Kardiol** 65(5):417–23, May 76 (Eng. Abstr.) **(Ger)**
[Microcirculatory and vascular permeability disorders during short-term immobilization stress] Gorizontova MP, et al.
Biull Eksp Biol Med 81(6):645–7, Jun 76 (Eng. Abstr.) **(Rus)**
[The neuro-emotional strain of drivers at the time of car driving] Vaĭsman AI. **Gig Sanit** (6):13–5, Jun 75 (Eng. Abstr.) **(Rus)**
[The dynamics of the working capacity and physiological indices of senior course students during a semester] Zadorozhyni BV. **Gig Sanit** (5):45–7, May 75 (Eng. Abstr.) **(Rus)**
[Physiological criteria of the strenuousness of work] Rozenblat VV, et al. **Gig Tr Prof Zabol** (7):5–9, Jul 75 (Eng. Abstr.) **(Rus)**
[Tension of physiological functions in electrical machinery testers] Svistunov NT. **Gig Tr Prof Zabol** (7):7–11, Jul 76 (Eng. Abstr.) **(Rus)**
[Dynamics of cholesterol-lipoprotein metabolism and hormonal shifts in the body in overstrain of the central nervous system] Fokin AS. **Patol Fiziol Eksp Ter** (2):52–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Role of the sympathetic nervous system in early nonspecific reactions of the hematopoietic organs] Gorizontov PD.
Patol Fiziol Eksp Ter (3):34–9, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Role of the hypothalamo-hypophyseal region and the sympathoadrenal system in body reactions in extreme (stress) situations] Tonkikh AV. **Usp Fiziol Nauk** 7(2):3–12, Apr–May 76 (99 ref.) **(Rus)**
[Indices of overall work capacity and of the functional characteristics of the physical stress in miners living in the high mountains of Tien Shan and central Kazakhstan] Mambetaliev B, et al. **Zdravookhr Kirg** (3):7–11, May–Jun 76 **(Rus)**
[Functional characteristics of physical stress and adaptation to it in the working activities of miners under the central highland conditions of Kirghizia] Mambetaliev BS.
Zdravookhr Kirg (4):31–5, Jul–Aug 76 **(Rus)**

PREVENTION & CONTROL

[Prevention of stress reactions by influencing energy metabolism using the extracorporeal circulation as a model (author's transl)] Haider W.
Wien Klin Wochenschr [Suppl] 87(36):3–27, 1975 (167 ref.) **(Ger)**

REHABILITATION

[Psychosocial rehabilitation processes in long-term dialysis-patients (author's transl)] Freyberger H, et al.
Rehabilitation (Stuttg) 13(3):151–62, Aug 74 (Eng. Abstr.) **(Ger)**

URINE

Flight-induced changes in human amino acid excretion. Ellis JP Jr, et al. **Aviat Space Environ Med** 47(1):1–8, Jan 76
[Evaluating the work load of the members of the Symphonic Orchestra of the Czechoslovak Broadcasting Corporation in Prague on the basis of catecholamine excretion (author's transl)] Zelený A, et al. **Cas Lek Cesk** 114(26):795–9, 27 Jun 75 (Eng. Abstr.) **(Cze)**

VETERINARY

Dietary aureomycin and the response of the fowl to stressors. Freeman BM, et al. **Br Poult Sci** 16(4):395–404, Jul 75
The term 'stress' in a veterinary context. Fraser D, et al. **Br Vet J** 131(6):653–62, Nov–Dec 75 (27 ref.)
Mitochondrial traits of muscle from stress-susceptible pigs. Campion DR, et al. **J Anim Sci** 41(5):1314–7, Nov 75
In vitro studies of mitochondrial and sarcoplasmic reticulum function in muscle of stress susceptible pigs. Campion DR, et al. **J Anim Sci** 43(2):426–31, Aug 76
Effect of stress on blood leucocyte and milk somatic cell counts in dairy cows. Wegner TN, et al. **J Dairy Sci** 59(5):949–56, May 76
Gluconeogenesis from lactate in liver of stress-susceptible and stress-resistant pigs. Dimarco NM, et al. **J Nutr** 106(5):710–6, May 76
Aspects of forced exercise and the therapy thereof in sheep. Gericke MD, et al. **J S Afr Vet Assoc** 46(4):353–7, Dec 75
Hyperbaric oxygen seizures in rats: effects of handling and chamber noise. Boyle E, et al. **Lab Anim Sci** 26(1):100–1, Feb 76
Serum lactate dehydrogenase of normal, stressed, and yellow fever virus-infected rhesus monkeys. Scott SK, et al.
Lab Anim Sci 26(3):436–42, Jun 76
Effects of stress on the corticosterone content of the blood plasma and adrenal gland of intact and bursectomized Gallus domesticus. Nir I, et al. **Poult Sci** 54(6):2101–10, Nov 75
Reproductive tissue activity in hypothyroid or heat stressed hens. Premovich MS, et al. **Poult Sci** 55(3):906–10, May 76
Interaction of aflatoxicosis with heat stress. Wyatt RD, et al. **Poult Sci** 54(4):1065–70, Jul 75
An additive effect of cold exposure and hypoxia on pulmonary artery pressure in sheep. Chauca D, et al.
Res Vet Sci 21(1):123–4, Jul 76
H blood types in pigs as predictors of stress susceptibility. Rasmusen BA, et al. **Science** 191(4230):947–8, 5 Mar 76
The role of stress in the pathogenesis of nutritional muscular dystrophy in pigs. Dvořák M, et al.
Zentralbl Veterinaermed [A] 23(05):384–93, Jul 76
[Sequential analysis of effectiveness of diazepam, a tranquilizer, on stress in swine (author's transl)] Dantzer R. **Ann Rech Vet** 6(2):165–71, 1975 (Eng. Abstr.) **(Fre)**
[The nature and importance of weight loss during restraint stress in the growing rat (author's transl)] Favre B, et al.
Ann Rech Vet 6(4):421–30, 1975 (Eng. Abstr.) **(Fre)**
[Response of glutamic oxaloacetic transaminase, lactate dehydrogenase and aldolase in serum of cattle after transportation stress] Deutschmann D, et al.
Arch Exp Veterinaermed 30(1):75–91, 1 Jan 76 (Eng. Abstr.) **(Ger)**
[Effects of Entomoxan on various lymphatic organs of the chicken] Giurgea R, et al. **Arch Exp Veterinaermed** 29(6):909–14, Dec 75 (Eng. Abstr.) **(Ger)**
[General adaptation syndrome (Selye) in the calf. 5. Effect of increased glucocorticosteroid values on the phagocytosis activity of luekocytes, the function of RHS and the morphology of lymphatic organs] Hartmann H, et al.
Arch Exp Veterinaermed 30(1):59–73, 1 Jan 76 (Eng. Abstr.) **(Ger)**
[What is a stress-sensitive swine?] Fischer K.
Tieraerztl Prax 4(1):39–48, 1976 **(Ger)**
[Use of Eleutherococcus for preventing transportation stress

in swine] Buzlama VS, et al. **Veterinariia** (4) Apr 76 **(Rus)**

[Prevention of stress in calves being transported] Térytsé IN. **Veterinariia** (4):89–90, Apr 75 **(Rus)**

STRESS, MECHANICAL

Changes in heart rate variability due to informational, physical and emotional load, in laboratory and field conditions. Danev S, et al. **Act Nerv Super (Praha)** 17(3):187–8, SEP 75

Orthopedic effect of the extraoral chin cup appliance on the mandible. Levy AJ, et al. **Am J Orthod** 69(1):29–41, Jan 76

The biomechanical analysis of bone strength: a method and its application to platycnemia. Lovejoy CO, et al. **Am J Phys Anthropol** 44(3):489–505, May 76

Proceedings: The relationships between bending stiffness, mineral content, geometry, and strength of the human ulna. Foltz AS, et al. **Am J Roentgenol** 126(6):1270–1, Jun 76

Heat and stretch procedures: an evaluation using rat tail tendon. Warren CG, et al. **Arch Phys Med Rehabil** 57(3):122–6, Mar 76

Dynamics of the head–neck system in response to small perturbations: analysis and modeling in the frequency domain. Viviani P, et al. **Biol Cybern** 19(1):19–37, 1 Aug 75

The influence of androgenization on the tensile properties of the rat uterus. Lohl RT, et al. **Biol Reprod** 13(3):269–73, Oct 75

Effect of electrical stimulation on the interfacial tensile strength and amount of bone formation. Park JB, et al. **Biomater Med Devices Artif Organs** 4(2):225–33, 1976

The mechanical behavior of LTI carbon dental implants. Shim HS. **Biomater Med Devices Artif Organs** 4(2):181–92, 1976

An instrument for dynamic measurement of longitudinal stresses and strains in a blood vessel in situ. Plowman F, et al. **Biorheology** 12(1):21–5, Feb 75

Analysis of suction experiments on red blood cells. Richardson E. **Biorheology** 12(1):39–55, Feb 75

The influence of temperature on red cell deformability. Williamson JR, et al. **Blood** 46(4):611–24, Oct 75

Acne mechanica. **Br Med J** 1(6002):130, 17 Jan 76

The micro–mechanics of cancellous bone. II. Determination of the elastic modulus of individual trabeculae by a buckling analysis. Runkle JC, et al. **Bull Hosp Joint Dis** 36(1):2–10, Apr 75

Rib structure and bending strength: an autopsy study. Stein ID. **Calcif Tissue Res** 20(1):61–73, 13 Apr 76

Stress, deformation, and atelectasis of the lung. Fung YC. **Circ Res** 37(4):481–96, Oct 75

Fatigue fracture of the femoral neck. Nand S, et al. **Int Surg** 61(1):31–4, Jan 76

Experimental study of biological tissue subjected to pure shear. Snyder RW, et al. **J Biomech** 8(6):415–9, 1975

A stress analysis of the femoral stem in total hip prostheses. Andriacchi TP, et al. **J Bone Joint Surg [Am]** 58(5):618–24, Jul 76

Tension studies of human knee ligaments. Yield point, ultimate failure, and disruption of the cruciate and tibial collateral ligaments. Kennedy JC, et al. **J Bone Joint Surg [Am]** 58(3):350–5, Apr 76

Processed muscular activity during static and dynamic loading. Khalil TM, et al. **J Hum Ergol (Tokyo)** 3(1):75–86, Sep 74

Reduction of tension at the anastomosis following tracheal resection in puppies. Kotake Y, et al. **J Thorac Cardiovasc Surg** 71(4):600–4, Apr 76

Mechanical stress (shaking) and reticuloendothelial function in the chick embryo. Schmidt RR, et al. **Life Sci** 18(11):1273–7, 1 Jun 76

Tensile testing of connective tissues. Soden PD, et al. **Med Biol Eng** 12(4):510–8, Jul 74

Grips for holding small samples of bone during tensile testing. Wall JC, et al. **Med Biol Eng** 13(2):309–10, Mar 75

Breaking strength of perichondrial adhesions after reshaping the rabbit ear with sutures. Thomson HG. **Plast Reconstr Surg** 58(4):466–9, Oct 76

Measurements of stress and strain in live bone by electrical strain gage method. da Fonseca JC, et al. **Rev Bras Pesqui Med Biol** 8(5–6):469–74, Sep–Dec 75

Changes in electrical and mechanical properties of whole bone related to maturation. Koh JK, et al. **Surg Forum** 26:515–6, 1975

Fluid mechanical stress and the platelet. Goldsmith HL, et al. **Thromb Diath Haemorrh** 34(1):32–41, 30 Sep 75

Mechanical trauma effects on leukocytes. McIntire LV, et al. **Trans Am Soc Artif Intern Organs** 22:444–9, 1976

[The method of impact studies on human ulnae and radii] Ehler E, et al. **Anat Anz** 138(1–2):1–10, 1975 **(Ger)**

[Mutual dependence of the visceral and cerebral cranium for stress resistance] Ehler E, et al. **Anat Anz** 138(3):152–63, 1975 **(Ger)**

[Determination of the strength and elasticity of human soft-tissue covered heads] Ehler E, et al. **Anat Anz** 139(1–2®760603–760610–2):88–99, 1976 **(Ger)**

[Experimental studies on the strength of the bond between bones and bone cement] Jaster D, et al. **Beitr Orthop Traumatol** 22(12):666–9, Dec 75 **(Ger)**

[Experimental studies on relevant stability values for pressure osteosyntheses of tubular bones and their changes in old age] Grünert A, et al. **Hefte Unfallheilkd** (121):93–5, 1975 **(Ger)**

[Adaptation of the femur to mechanical stress in juveniles and in the aged] Kummer B. **Hefte Unfallheilkd** (121):436–43, 1975 **(Ger)**

[Mechanical factors contributing to the cause of retinal detachment (author's transl)] Draeger J, et al. **Klin Monatsbl Augenheilkd** 166(4):431–5, Apr 75 (Eng. Abstr.) **(Ger)**

[Clinical and experimental studies on the transplantation of preserved tendons] Voorhoeve A, et al. **Langenbecks Arch Chir** Suppl:273–5, 1975 (Eng. Abstr.) **(Ger)**

[Fatigue-lesion or persistent apophysis of a spinal process on the cervical spine] Reinhold R. **Monatsschr Unfallheilkd** 78(9):435–6, Sep 75 **(Ger)**

[Evaluation of load tolerance in patients with coronary disease] Niederberger M, et al. **Schweiz Med Wochenschr** 105(48):1611–5, 29 Nov 75 (Eng. Abstr.) **(Ger)**

[Mechanical characteristics of the hyaline cartilage] Arnold G. **Verh Anat Ges** 68:495–501, 1974 (Eng. Abstr.) **(Ger)**

[Age-dependence of the mecnanical capacity of human tissue] Lippert H. **Verh Anat Ges** 69:421–6, 1975 (Eng. Abstr.) **(Ger)**

[Theory of strength-length behavior of collagen fiber bundles under traction conditions] Zech M, et al. **Verh Anat Ges** 69:899–903, 1975 (Eng. Abstr.) **(Ger)**

[Stress capacity of human tendon tissue] Krahl H. **Z Orthop** 113(4):730–4, Aug 75 **(Ger)**

[Problems of mechanical and electrochemical stress simulation in knee-joint prosthesis] Thull R, et al. **Z Orthop** 113(4):752–6, Aug 75 **(Ger)**

[Mechanical properties of fibrous ring of the intact intervertebral lumbar disks during vertical compression] Tsiv'ian IaL, et al. **Ortop Travmatol Protez** (11):31–4, Nov 75 (Eng. Abstr.) **(Rus)**

[Simulation of injuries to the cervical and upper thoracic sections of the spine in lateral inclinations of the head due to the effects of measured static loads. (Experimental study. Report 2)] Pyrlina NP, et al. **Sud Med Ekspert** 18(3):6–11, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of heavy mechanical trauma on content of lactic and pyruvic acids in rat brain] Kriruchko BI, et al. **Ukr Biokhim Zh** 47(2):154–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of physical stress on the indices of acid–base homeostasis in pigs] Bartko P, et al. **Vet Med (Praha)** 20(7):339–46, Jun 75 (Eng. Abstr.) **(Slo)**

[Measurement of the tensile strength of colonic anastomosis in rats] Perán S, et al. **Rev Clin Esp** 140(4):333–6, 29 Feb 76 (Eng. Abstr.) **(Spa)**

STRESS, PSYCHOLOGICAL

see related
CROWDING

Proceedings: The pathogenesis of the premenstrual tension. Navrátil J. **Act Nerv Super (Praha)** 17(4):304–5, 1975

Quantitative evoked potential analyses in behavioural neurophysiology. A model of a stress-induced borderline hypertension in rhesus monkeys. Baumann H, et al. **Acta Biol Med Ger** 33(4):419–27, 1974

Proceedings: Anxiety and stress in adolescents. Varga C. **Acta Paediatr Scand [Suppl]** (256):35–6, 1975

Effect of psychic stress of examination on serum growth hormone, serum insulin, and plasma renin activity. Syvälahti E, et al. **Acta Pharmacol Toxicol (Kbh)** 38(4):344–52, Apr 76

Birthday blues: the association of birthday with self-inflicted death in the elderly. Barraclough BM, et al. **Acta Psychiatr Scand** 54(2):146–9, Aug 76

Psychological responses to war stress. Murphy JM. **Acta Psychiatr Scand [Suppl]** (263):16–21, 1975

Effects of time stress and stimulus–response set size on the efficiency of detection of involvement with suppressed information through the use of the forced number–guessing technique. Lieblich I, et al. **Acta Psychol (Amst)** 40(1):75–84, Feb 76

Excretion of certain biogenous amines (free and conjugated) in urine during nervous-sensory and psycho-emotional work strain. Nedeltcheva K. **Agressologie** 16(3):193–7, 1975

The quiz electrocardiogram: a new diagnostic and research technique for evaluating the relation between emotional stress and ischemic heart disease. Schiffer F, et al. **Am J Cardiol** 37(1):41–7, Jan 76

Letter: Psychologic stress in animal studies. White RS. **Am J Cardiol** 37(7):1116–7, Jun 76

Strens, traumas, and trauma resolution. Finkel NJ. **Am J Community Psychol** 3(2):173–8, Jun 75

Stress and the acute gastric mucosal lesion. Moody FG, et al. **Am J Dig Dis** 21(2):148–54, Feb 76 (45 ref.)

Life events and subsequent illness. Goldberg EL, et al. **Am J Epidemiol** 104(2):146–58, Aug 76

Emotion–related gastritis. Goldberg SJ, et al. **Am J Gastroenterol** 65(1):41–5, Jan 76

Early diagnosis of vulnerability in cancer patients. Weisman AD. **Am J Med Sci** 271(2):187–96, Mar–Apr 76

Mental retardation and stress on the parents: a contrast between Down's syndrome and childhood autism. Holroyd J, et al. **Am J Ment Defic** 80(4):431–6, Jan 76

Suffering as viewed in six different cultures. Davitz LJ, et al. **Am J Nurs** 76(8):1296–7, Aug 76

The crisis of expectant fatherhood. Hott JR. **Am J Nurs** 76(9):1436–40, Sep 76

Mid–life crises. Peplau HE. **Am J Nurs** 75(10):1761–5, 1794, Oct 75

A hospital play program: helping children with serious illness. Adams MA. **Am J Orthopsychiatry** 46(3):416–24, Jul 76

The impact of the child's deficiency on the father: a study of fathers of mentally retarded and of chronically ill children. Cummings ST. **Am J Orthopsychiatry** 46(2):246–55, Apr 76

The rape victim: psychodynamic considerations. Notman MT, et al. **Am J Psychiatry** 133(4):408–13, Apr 76

Socioecologic stress and hypertension related mortality rates in North Carolina. James SA, et al. **Am J Public Health** 66(4):354–8, Apr 76

Why and when is status inconsistency stressful? House JS, et al. **Am J Sociol** 81(2):395–412, Sep 75

Stress and discomfort in psychological research: subject perceptions of experimental procedures. Farr JL, et al. **Am Psychol** 30(7):770–3, Jul 75

Status inequality and stress in marriage. Pearlin LI. **Am Sociol Rev** 40(3):344–57, Jun 75

Emotional stress during retention and its effect on tooth position. Fried KH. **Angle Orthod** 46(1):77–85, Jan 76

The relation of psychological stress to onset of medical illness. Hurst MW, et al. **Annu Rev Med** 27:301–12, 1976 (54 ref.)

Human fecal flora: variation in bacterial composition within individuals and a possible effect of emotional stress. Holdeman LV, et al. **Appl Environ Microbiol** 31(3):359–75, Mar 76

Pruritic skin diseases, psychological stress, and the itch sensation. A reliable method for the induction of experimental pruritus. Edwards AE, et al. **Arch Dermatol** 112(3):339–43, Mar 76

Intrusive and repetitive thoughts after experimental stress. A summary. Horowitz MJ. **Arch Gen Psychiatry** 32(11):1457–63, Nov 75

Morphological features and healing of stress ulcers induced by alcohol and restraint. Lev R, et al. **Arch Pathol Lab Med** 100(10):554–8, Oct 76

Changes in jejunal motility during emotional reactions. Granata L, et al. **Arch Sci Biol (Bologna)** 57(3–4):87–97, Jul–Dec 73

A scale to measure the stress of life events. Tennant C, et al. **Aust NZ J Psychiatry** 10(1):27–32, Mar 76

Method for determining pilot stress through analysis of voice communication. Kuroda I, et al. **Aviat Space Environ Med** 47(5):528–33, May 76

Prolactin, thyrotropin, and growth hormone release during stress associated with parachute jumping. Noel GL, et al. **Aviat Space Environ Med** 47(5):534–7, May 76

Testitis (excessive anxiety about flying checks). O'Connor PJ. **Aviat Space Environ Med** 46(11):1407–9, Nov 75

Medical and psychiatric aspects of accident investigation. Yanowitch RE. **Aviat Space Environ Med** 46(10):1254–6, Oct 75

The effects of instructional set on physiological response to stressful imagery. Bieman I. **Behav Res Ther** 14(2):175–9, 1976

The effects of muscle relaxation and stress on the blood pressure levels of normotensives. Tasto DL, et al. **Behav Res Ther** 14(1):89–91, 1976

Gestational stress: effects on open–field behaviour and heart rate reactivity in rat offspring. Jolley A, et al. **Biol Psychol** 3(3):231–6, Nov 75

Family background and personal trauma among drug addicts in the United States: implications for treatment. Aron WS. **Br J Addict** 70(3):295–305, Sep 75

Menstrual dreams and psychodynamics: emotional conflict and manifest dream content in menstruating women. Hertz DG, et al. **Br J Med Psychol** 48(2):175–83, Jun 75

What becomes of redundant world models? A contribution to the study of adaptation to change. Parkes CM. **Br J Med Psychol** 48(2):131–7, Jun 75

Six cases of Gilles de la Tourette's syndrome. Fernando SJ. **Br J Psychiatry** 128:436–41, May 76

The effects of mental subnormality on the family. Gath A. **Br J Psychiatry** Spec No 9:384–8, 1975 (29 ref.)

Stress, distress and disease. The Presidential Address at the annual meeting of the Royal College of Psychiatrists, held in London, 9th July, 1975. Rees WL. **Br J Psychiatry** 128:3–18, Jan 76

Relationship of mental status, functioning and stress to readmission of schizophrenics. Serban G. **Br J Soc Clin Psychol** 14(3):291–301, Sep 75

Editorial: Beta-blockers in anxiety and stress. **Br Med J** 1(6007):415, 21 Feb 76

Editorial: Predicting illness by numbers. **Br Med J** 2(6031):343, 7 Aug 76

Stress–seeking and hallucinogenic drug usage. Bogg RA. **Can J Public Health** 66(5):369–73, Sep–Oct 75

The Transcendental Meditation program. Toane EB. **Can Med Assoc J** 114(12):1095–6, 19 Jun 76

Effects of paternal exposure to prolonged stress on the mental health of the spouse and children. Families of Canadian Army survivors of the Japanese World War II CAMPS. Sigal JJ. **Can Psychiatr Assoc J** 21(3):169–72, Apr 76

The stress of parenting. Gillberg AL. **Child Psychiatry Hum Dev** 6(2):59–67, Winter 75

Aminocentesis: its impact on mothers and infants. A 1–year follow–up study. Robinson J, et al. **Clin Genet** 8(2):97–106, Aug 75

The pediatrician and preventive child psychiatry. Four approaches to the recognition of parents' and children's responses to stress. Zager RP. **Clin Pediatr (Phila)**

14(12):1161–7, Dec 75
Oxprenolol in the treatment of examination stress. Krishnan G. **Curr Med Res Opin** 4(3):241–3, 1976
The relationship of physical handicap to stress in families with an adolescent with spina bifida. Dorner S. **Dev Med Child Neurol** 17(6):765–76, Dec 75
Psychosocial forces. **Gastroenterology** 69(5):1161–4, Nov 75
Factors in the etiology of restraint erosions in parabiotic rats. Ackerman SH, et al. **Gastroenterology** 71(3):426–8, Sep 76
The influence of body temperature on the production of ulcers of restraint in the rat. Antoon JW, et al. **Gastroenterology** 70(5 PT.1):747–50, May 76
The effect of metiamide, an H2-receptor antagonist, in the prevention of experimental stress ulcers. Safaie-Shirazi S, et al. **Gastroenterology** 71(3):421–5, Sep 76
Understanding the psychologic factors in rehabilitation. Steger HG. **Geriatrics** 31(5):68–73, May 76
Letter: A critical care nurse's opinion of Cassem and Hackett's article 'Stress on the nurse and therapist in the intensive care unit.' Babbini LJ. **Heart Lung** 5(2):328, Mar–Apr 76
Emotional and behavioral reaction to acute myocardial infarction. Gentry WD, et al. **Heart Lung** 4(5):738–45, Sep–Oct 75
Letter: Stress on the nurse and therapist in the intensive-care unit and the coronary-care unit. Marriott HJ. **Heart Lung** 4(5):802, 804, Sep–Oct 75
Stresses associated with ICUS affect patients, families, staff. West ND. **Hospitals** 49(24):62–3, 16 Dec 75
The adolescent who has lost a significant other. Bauer W. **Ill Med J** 148(6):614–5, Dec 75
The psychological reactions of children to burn traumata: a review. Part II. Breslin PW. **Ill Med J** 148(6):595–7, 602, Dec 75
Pathophysiology of stress ulcer. pp. 3–12. Brodie DA, et al.
In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974.
The cognitive-behavioral management of anxiety, anger, and pain. pp. 1–34. Meichenbaum D, et al.
In: Davidson PO, ed. The behavioral management of anxiety, depression and pain. New York, Brunner/Mazel, 1975. W3 BA203 1975b.
Emotional stress and biochemical responses of manic-depressive patients. pp. 58–66. Takahashi R, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 1657p 1974.
CBF during emotional stimuli. pp. 366–70. Betz E.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.
Life changes and near-future illness reports. pp. 511–29. Rahe RH.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975. (38 ref.)
Methodological issues in the assessment of life stress. pp. 499–509. Sarason IG, et al.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975. (14 ref.)
Interaction of central autonomic hyperreactivity and environmental stimuli: importance for the development of spontaneously hypertensive rats. pp. 129–39. Hallbäck M.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.
Acculturative stress in northern Canada: ecological, cultural, and psychological factors. pp. 490–7. Berry JW.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.
Is coping with life stresses enhanced by cardiac rehabilitation programs? pp. 71–83. Bruce EH, et al.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.
Comprehensive rehabilitation on patients after a myocardial infarction: psychosocial aspects. pp. 4–8. Cay E.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.
Medical and psychological aspects of coronary heart diseases. pp. 9–19. Stocksmeier U.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.
Psychosocial stressors and cardiovascular disease. pp. 146–55. Theorell T.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.
Psychological factors in the aetiology of schizophrenia. pp. 173–82. Benedetti G.
In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.
Coping. pp 51–3.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.
Psychological stress and coping in adaptation and illness. pp 199–214. Lazarus RS.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.
Effect on mental stress on intermediate carbohydrate-and lipid-metabolism. Sharda S, et al. **Indian J Physiol Pharmacol** 19(2):86–9, Apr–Jun 75
Stress and the immune response in rats. Joasoo A, et al. **Int Arch Allergy Appl Immunol** 50(6):659–63, 1976
Electroencephalographic correlates of verbally induced stress in man. Hanley J. **Int J Psychiatry Med** 6(1–2):3–13, 1975 (38 ref.)
The induction of acute and chronic cardiovascular disease in animals by psychosocial stimulation. Henry JP. **Int J Psychiatry Med** 6(1–2):147–58, 1975 (36 ref.)
Psychophysiological responses to the urban environment. Ostfeld AM, et al. **Int J Psychiatry Med** 6(1–2):15–28, 1975 (76 ref.)
Epidemiological studies of life change and illness. Rahe RH. **Int J Psychiatry Med** 6(1–2):133–46, 1975 (21 ref.)
Jack the Ripper and doctor-identification. Shuster S. **Int J Psychiatry Med** 6(3):385–402, 1975
A borderline case: ego synthesis and cognition: a reply to the discussion by Janice De Saussure. Atkin S. **Int J Psychoanal** 56(2):221–3, 1975
Depression, anxiety and affect theory: a reply to the discussion by Paula Heimann. Brenner C. **Int J Psychoanal** 56(2):229, 1975
Children of purgatory: reflections on the concentration camp survival syndrome. Barocas HA. **Int J Soc Psychiatry** 21(2):87–92, Summer 75
Goal-striving discrepancy stress in urban Filipino men: II. Housing. Marsella AJ, et al. **Int J Soc Psychiatry** 21(4):282–91, Winter 75
Pathological patterns of identification in families of survivors of the Holocaust. de Graaf T. **Isr Ann Psychiatry** 13(4):335–63, Dec 75
Jewish concentration camp survivors in Norway. Eitinger L. **Isr Ann Psychiatry** 13(4):321–34, Dec 75
The effects of stress on state and trait anxiety in emotionally disturbed, normal, and delinquent children. Bedell JR, et al. **J Abnorm Child Psychol** 4(2):173–7, 1976
Hallucinatory experience: a personal account. Goldstein AG. **J Abnorm Psychol** 85(4):423–9, Aug 76
Fear of interpersonal evaluation as a determinant of alcohol consumption in male social drinkers. Higgins RL, et al. **J Abnorm Psychol** 84(6):644–51, Dec 75
Role stress, personality, and psychopathology in a group of immigrant adolescents. Naditch MP, et al. **J Abnorm Psychol** 85(1):113–8, Feb 76
Psychological reactions of children with malignancies. Goggin EL, et al. **J Am Acad Child Psychiatry** 15(2):314–25, Spring 76
Hypochondriasis in the elderly: a reaction to social stress. Busse EW. **J Am Geriatr Soc** 24(4):145–9, Apr 76
Involuntary transfer as a cause of death and a medical hospitalization in geriatric neuropsychiatric patients. Watson CG, et al. **J Am Geriatr Soc** 24(6):278–82, Jun 76
Mortality fluctuations among chronically ill medical geriatric patients as an indicator of stress before and after relocation. Zweig JP, et al. **J Am Geriatr Soc** 24(6):264–77, Jun 76
Coping behaviors as intervening mechanisms in the inverted-U stress-performance relationship. Anderson CR. **J Appl Psychol** 61(7):30–4, Feb 76
Perceived situational moderators of the relationship between subjective role ambiguity and role strain. Beehr TA. **J Appl Psychol** 61(7):35–40, Feb 76
Relationship of stress to individually and organizationally valued states: higher order needs as a moderator. Beehr TA, et al. **J Appl Psychol** 61(7):41–7, Feb 76
Stress in the deep: a study of undersea divers in controlled dangerous situations. Knapp RJ, et al. **J Appl Psychol** 61(4):507–12, Aug 76
Effects of pressure and individual neuroticism on emotional responses to task-role ambiguity. Organ DW. **J Appl Psychol** 60(3):397–400, Jun 75
Growth hormone and cortisol responses to psychological stress: comparison of normal and neurotic subjects. Miyabo S, et al. **J Clin Endocrinol Metab** 42(6):1158–62, Jun 76
Neurotic anxiety, pronoun usage and stress. Alban LS, et al. **J Clin Psychol** 32(2):393–9, Apr 76
Factor structure of the State-Trait Anxiety Inventory in a nonstressful situation. Barker HR Jr, et al. **J Clin Psychol** 32(3):595–8, Jul 76
Psychological evaluation stress on adolescents. Brook RM. **J Clin Psychol** 32(3):565–7, Jul 76
Sex differences as related to measurement of emotional arousal. Cysewski BP, et al. **J Clin Psychol** 31(3):409–12, Jul 75
The relationship between life change and relative autonomic balance. Parker DM, et al. **J Clin Psychol** 32(1):149–53, Jan 76
Factor structure of the State-Trait Anxiety Inventory under conditions of variable stress. Wadsworth AP Jr, et al. **J Clin Psychol** 32(3):576–9, Jul 76
Attenuation of gastric lesions by psychological aspects of aggression in rats. Weiss JM, et al. **J Comp Physiol Psychol** 90(3):252–9, Mar 76
Personal history of psychological stress related to locus of control orientation among college women. Bryant BK, et al. **J Consult Clin Psychol** 44(2):266–71, Apr 76
Role of stress in the prognosis of mental illness. Clum GA. **J Consult Clin Psychol** 44(1):54–60, Feb 76
Crisis events and school mental health referral patterns of young children. Felner RD, et al. **J Consult Clin Psychol** 43(3):305–10, Jun 75
Meditation as an intervention in stress reactivity. Goleman DJ, et al. **J Consult Clin Psychol** 44(3):456–66, Jun 76
Some personality characteristics of soldiers exposed to extreme war stress. Merbaum M, et al. **J Consult Clin Psychol** 44(1):1–6, Feb 76
Role conflict and symptoms of psychological distress in college-educated women. Powell B, et al. **J Consult Clin Psychol** 44(3):473–9, Jun 76
Social perception of suicide: effects of three factors on causal attributions. Selby JW, et al. **J Consult Clin Psychol** 43(3):431, Jun 75
Graduate student styles for coping with stressful situations. Kjerulff K, et al. **J Educ Psychol** 68(3):247–54, Jun 76
Job-worker incongruence: consequences for health. Coburn D. **J Health Soc Behav** 16(2):198–212, Jun 75
Sociocultural and social-psychological factors in the genesis of mental disorders. Dohrenwend BP. **J Health Soc Behav** 16(4):365–2, Dec 75 (114 ref.)
Problems in the ratio measurement of life stress. Hough RL, et al. **J Health Soc Behav** 17(1):70–82, Mar 76
Psychosomatic symptoms and women's protest: two types of reaction to structural strain in the family. Levy R. **J Health Soc Behav** 17(2):121–33, Jun 76
Life events, social integration and psychiatric symptomatology. Myers JK, et al. **J Health Soc Behav** 16(4):421–7, Dec 75
Effects of experience and ethnicity on ratings of life events as stressors. Rosenberg EJ, et al. **J Health Soc Behav** 16(1):127–9, Mar 75
Friday, already? The T.G.I.F. syndrome—response to stress. Menninger WW. **J Kans Med Soc** 76(11):274–6, Nov 75
Editorial: Stress in medical education. Rosenbaum R. **J Med Educ** 51(3):205, Mar 76
The manipulative personality and symptoms of stress. Starr PD. **J Med Liban** 28(2):289–96, 1975
Psychiatric crisis. A comparison of schizophrenic and nonschizophrenic patients. Donovan JM, et al. **J Nerv Ment Dis** 161(3):172–9, Sep 75
Changes in environmental life events and their relationship to psychiatric hospital admissions. Lahniers CE, et al. **J Nerv Ment Dis** 163(33ENA-NA-761027-76102920):154–8, Sep 76
Tuning in on stress signals. Coombe EI. **J Nurs Educ** 15(4):16–21, Jul 76
Emotional adjustment of adolescents and young adults with cystic fibrosis. Boyle IR, et al. **J Pediatr** 88(2):318–26, Feb 76
Effects of parents' and pediatricians' worry concerning severe gastroenteritis in early childhood on later disturbances in the child's behavior. Sigal J, et al. **J Pediatr** 87(5):809–14, Nov 75
Periodontal emotional stress syndrome. De Marco TJ. **J Periodontol** 47(2):67–8, Feb 76
Waiting for a crowd: the behavioral and perceptual effects of anticipated crowding. Baum A, et al. **J Pers Soc Psychol** 32(4):671–9, Oct 75
The role of information in attenuating behavioral responses to stress: a reinterpretation of the misattribution phenomenon. Calvert-Boyanowsky J, et al. **J Pers Soc Psychol** 32(2):214–21, Aug 75
Collective coping with stress: group reactions to fear, anxiety, and ambiguity. Morris WN, et al. **J Pers Soc Psychol** 33(6):674–9, Jun 76
Evidence of stress as a function of experimentally altered appraisal of stimulus aversiveness and coping adequacy. Neufeld RW. **J Pers Soc Psychol** 33(5):632–46, May 76
An experimental study of crowding: effects of room size, intrusion, and goal blocking on nonverbal behavior, self-disclosure, and self-reported stress. Sundstrom E. **J Pers Soc Psychol** 32(4):645–54, Oct 75
Desirable versus undesirable life events: their relationship to stress and mental distress. Vinokur A, et al. **J Pers Soc Psychol** 32(2):329–37, Aug 75
The experience of crowding: a two-factor theory. Worchel S, et al. **J Pers Soc Psychol** 34(1):30–40, Jul 76
Psychophysiological reactions as a function of life stress and behavioral rigidity. Hebert DJ. **J Psychiatr Nurs** 14(5):23–7, May 76
Debriefing as primary prevention in unusual life events: operation babylift. Leavitt M. **J Psychiatr Nurs** 14(9):9–19, Sep 76
Psychological responses to stress. Sedgwick R. **J Psychiatr Nurs** 13(5):20–3, Sep–Oct 75
Anxiety as a function of environmental noise and social interaction. Edsell RD. **J Psychol** 92(Second Half):219–26, Mar 76
Personality organization and language behavior: the imprint of psychological differentiation on language behavior in varying communication conditions. Steingart I, et al. **J Psycholinguist Res** 4(3):241–55, Jul 75
A less heretical view of life change and hospitalization. Caplan RD. **J Psychosom Res** 19(4):247–50, 1975
White-collar and blue-collar responses to heart attack. Hackett TP, et al. **J Psychosom Res** 20(2):85–95, 1976
Personality trait and symptom correlates of life change in a psychiatric population. Hendrie HC, et al. **J Psychosom Res** 19(3):203–8, 1975
The influence of early training on the varieties of stress responses—an ethological approach. Jonas AD, et al. **J Psychosom Res** 19(5–6):325–35, 1975
Allergic potential and emotional precipitants of asthma in children. Kagan SG, et al. **J Psychosom Res** 20(2):135–9,

1976
The applicability of the life events approach to the problems of immigration. Roskies E, et al. **J Psychosom Res** 19(4):235–40, 1975
Problems and symptoms in army basic trainees with stress–induced hypertensive reactions. Sandberg B, et al. **J Psychosom Res** 20(1):51–9, 1976
Selected illnesses and somatic factors in relation to two psychosocial stress indices – a prospective study on middle–aged construction building workers. Theorell T. **J Psychosom Res** 20(1):7–20, 1976
Life change patterns prior to death in ischaemic heart disease. A study on death–discordant twins. Ulf F. **J Psychosom Res** 19(4):273–8, 1975
Induced respiratory change in asthmatic children. Weiss JH, et al. **J Psychosom Res** 20(2):115–23, 1976
Stress at work: a comparison of attitudes between psychiatric and non–psychiatric short–stay patients. Ardis M. **J Soc Occup Med** 26(1):13–20, Jan 76
Self–disclosure and stress among Middle–Eastern university students. Starr PD. **J Soc Psychol** 97(First Half):141–2, Oct 75
The stress seekers: a psychological study of sports parachutists, racing drivers, and football players. Johnsgard K, et al. **J Sports Med Phys Fitness** 15(2):158–69, Jun 75
Letter: Emotional factors and heart disease. Friedman M. **JAMA** 235(19):2081, 10 May 76
Letter: Stress testing. Lippin RA. **JAMA** 235(22):2388–9, 31 May 76
Teenage pregnancy. McDonald TF. **JAMA** 236(6):598–9, 9 AUG 76
Serum cholesterol: effect of fatty acids and stress responses. Aryne MS, et al. **JPMA** 26(4):93–7, APR 76 (24 ref.)
Letter: Stress and C.H.D. Bethell HJ. **Lancet** 2(7976):94, 10 Jul 76
Patient knowledge and nurse role strain in three hospital settings. Miller GA. **Med Care** 14(8):662–73, Aug 76
Adolescents in distress. Suicide and out–of–control behaviors. Hofmann AD. **Med Clin North Am** 59(6):1429–37, Nov 75
Editorial: Papua New Guinea: medical implications of independence. **Med J Aust** 2(12):459–60, 20 Sep 75
Stress in hospital personnel. Bates EM, et al. **Med J Aust** 2(20):765–7, 15 Nov 75
Stress in hospitals. The married intern: vintage 1973. Bates EM, et al. **Med J Aust** 2(20):763–5, 15 Nov 75
Letter: Diet and coronary heart disease perspectives. Wright B. **Med J Aust** 2(25–26):958, 20–27 Dec 75
Characteristics of the offspring of Holocaust survivors in Israel. Gay M, et al. **Ment Health Soc** 1(5–6):302–12, 1974
Role of life events in accident causation. Selzer ML, et al. **Ment Health Soc** 2(1–2):36–54, 1975
Observations by a doctor who's been a CCU patient. Abbott JA, et al. **Mich Med** 75(2):104, Feb 76
Emergency care: emotional aspects of trauma need treatment, too. Sherber J, et al. **Mod Health Care** 5(6):37–9, Jun 76
Letter: Ventricular fibrillation and psychologic stress. **N Engl J Med** 294(24):1347–8, 10 Jun 76
Editorial: Psychologic factors in instantaneous cardiac death. Engel GL. **N Engl J Med** 294(12):664–5, 18 Mar 76
Recent evidence supporting psychologic and social risk factors for coronary disease. Jenkins CD. **N Engl J Med** 294(19):1033–8, 6 May 76
Basis for recurring ventricular fibrillation in the absence of coronary heart disease and its management. Lown B, et al. **N Engl J Med** 294(12):623–9, 18 Mar 76
Letter: Possible hazards in screening of adolescents for Tay–Sachs disease. Stone MH. **N Engl J Med** 295(2):113, 8 Jul 76
The psychologic stress of chronic renal failure and long–term hemodialysis. Anger D. **Nurs Clin North Am** 10(3):449–60, Sep 75
Myocardial infarction and stress. Slay CL. **Nurs Clin North Am** 11(2):329–38, Jun 76
Psychological response to myocardial infarction. Bragg TL. **Nurs Forum** 14(4):383–95, 1975
Patients' dependence and independence levels on the prehospitalization–postdischarge continuum. Derdiarian A, et al. **Nurs Res** 25(1):27–33, Jan–Feb 76
A hospital stress rating scale. Volicer BJ, et al. **Nurs Res** 24(5):352–9, Sep–Oct 75
Pediatric surgical patients' and parents' stress responses and adjustment as a function of psychologic preparation and stress–point nursing care. Wolfer JA, et al. **Nurs Res** 24(4):244–55, Jul–Aug 75
Acute effects of stress on renal function in healthy donors. Preliminary report. Kountz SL. **NY State J Med** 75(12):2138–9, Oct 75
Stress, aging, and mental health. Nordlicht S. **NY State J Med** 75(12):2135–7, Oct 75
The military man. Patterson PH. **NY State J Med** 75(12):2132–5, Oct 75
Implications of stress concept. Selye H. **NY State J Med** 75(12):2139–45, Oct 75
Cardiovascular diseases. Role of psychogenic and behavior patterns in development and aggravation. Wright IS. **NY State J Med** 75(12):2128–32, Oct 75
Deafness, annoyance and stress. Hartley LR. **NZ Med J** 83(560):200–3, 24 Mar 76
The role of the nurse in dealing with stress in the industrial setting. Baughn SL. **Occup Health Nurs (NY)** 24(4):15–6, Apr 76
The cause and effect of stress on young people at work. Hunt C. **Occup Health Nurs (NY)** 24(1):17–8, Jan 76
Acute angioneurotic edema of the lips and tongue due to emotional stress. Chue PW. **Oral Surg** 41(6):734–8, Jun 76
Dealing with unnecessary medical trauma to children. Siblinga MS, et al. **Pediatrics** 57(5):800–2, May 76
Psychological preparation for surgery pediatric patients: the effects on children's and parents' stress responses and adjustment. Visintainer MA, et al. **Pediatrics** 56(2):187–202, Aug 75
Exercise–produced arousal, film–induced arousal and attribution of internal state. Girodo M, et al. **Percept Mot Skills** 42(3):931–5, Jun 76
The unimportance of experimenter–bias in sensory deprivation research. Landon PB. **Percept Mot Skills** 42(2):619–24, Apr 76
Depression: adaptation to disruption and loss. Drake RE, et al. **Perspect Psychiatr Care** 13(4):163–9, Oct–Dec 75
Shock–stress, gastric secretion and habituation in the chronic gastric fistula rat. Desiderato O, et al. **Physiol Behav** 16(1):67–73, Jan 76
Stress and ulcer etiology in the rat. Glavin GB, et al. **Physiol Behav** 16(2):135–9, Feb 76
Emotional problems in cystic fibrosis. McCrae WM. **Physiotherapy** 61(8):252–4, 10 Aug 75
The human meaning of total disaster. The Buffalo Creek experience. Lifton RJ, et al. **Psychiatry** 39(1):1–18, Feb 76
Disclosure of problems and tensions experienced by marital partners. Burke RJ, et al. **Psychol Rep** 38(2):531–42, Apr 76
Perceived somatic reactions to stress and hostile press. Cohen RJ, et al. **Psychol Rep** 37(2):676–8, Oct 75
Social background variables, referral sources and life events of male and female alcoholics. Hoffmann H, et al. **Psychol Rep** 37(3 PT 2):1087–92, Dec 75
Usefulness of situation–specific trait and state measures of anxiety. Lamb DH. **Psychol Rep** 38(1):188–90, Feb 76
On the distinction between psychological and physical stressors. Lamb DH. **Psychol Rep** 38(3 pt. 1):797–8, Jun 76
Life–stress, locus of control, and treatment–seeking. Manuck SB, et al. **Psychol Rep** 37(2):589–90, Oct 75
Human salivary response to interpersonal bargaining situations: a psycho–physiological investigation. Silverstein L, et al. **Psychol Rep** 37(3 Pt 1):771–85, Dec 75
Stress experiences and combat fatigue during the Yom Kippur war (1973). Sohlberg SC. **Psychol Rep** 38(2):523–9, Apr 76
A dynamic conceptual framework of generalized adaptation to stressful stimuli. Wild BS, et al. **Psychol Rep** 38(1):319–34, Feb 76 (29 ref.)
Pregnant women's ratings of different factors influencing psychological stress during pregnancy. Yamamoto KJ, et al. **Psychol Rep** 39(1):203–14, Aug 76
Sex differences in sympathetic–adrenal medullary reactions induced by different stressors. Frankenhaeuser M, et al. **Psychopharmacologia** 47(1):1–5, 5 May 76
Stress–induced growth hormone release: psychologic and physiologic correlates. Brown WA, et al. **Psychosom Med** 38(2):145–7, Mar–Apr 76
The effect of chronic conflict on the blood pressure of rats with a genetic susceptibility to experimental hypertension. Friedman R, et al. **Psychosom Med** 37(5):402–16, Sep–Oct 75
Inhibition of Huggins tumors by forced restraint. Newberry BH, et al. **Psychosom Med** 38(3):155–62, May–Jun 76
The interaction of behavior and environmental conditions in the production of stomach lesions in the rat. Sines JO. **Psychosom Med** 37(6):492–8, Nov–Dec 75
Emotional factors in juvenile diabetes mellitus: a study of the early life experiences of eight diabetic children. Stein SP, et al. **Psychosom Med** 37(3):237–44, May–Jun 75
Is emotional stress an etiologic factor in coronary heart disease? Russek HI, et al. **Psychosomatics** 17(2):63–7, 1976
Life crisis as a precursor to child abuse. Justice B, et al. **Public Health Rep** 91(2):110–5, Mar–Apr 76
Stress in everyday life. (b) Stress in young people. Gunn AD. **R Soc Health J** 95(2):69–72, Apr 75
Stress in everyday life. (a) Stress in society. Stewart GT. **R Soc Health J** 95(2):65–9, Apr 75
Cardiotoxic effects of emotional, socioeconomic, and environmental stresses. Raab W. **Recent Adv Stud Cardiac Struct Metab** 1:707–13, 1972
Modification of cellular lipid metabolism by psychological stress. Rose KD, et al. **Recent Adv Stud Cardiac Struct Metab** 1:729–41, 1972
Etiologic factors in ischemic heart disease: The elusive role of emotional stress. Russek HI, et al. **Recent Adv Stud Cardiac Struct Metab** 1:714–20, 1972
Alcohol, aspirin, depression, smoking, stress and the patient with a gastric ulcer. Bock OA. **S Afr Med J** 50(9):293–7, 28Feb 76
Measuring emotional stress in Africa: the difficulties involved and some results. Castle WM, et al. **S Afr Med J** 50(29):1143–6, 10 Jul 76
Group status displacement under stress: a serendipitous finding. Macneil MK, et al. **Sociometry** 38(3):293–307, Sep 75
Life stress and psychiatric clinic referral. Corney RT, et al. **South Med J** 69(2):183–4, Feb 76
[Experience in the evaluation of occupational stress of district therapists of urban polyclinics] Soshnikov EI, et al. **Sov Zdravookhr** (4):24–8, 1975 (Eng. Abstr.)
The maintenance of gastric mucosal barrier during the early erosive gastritis component of stress ulceration. Fishcer RP, et al. **Surgery** 80(1):40–6, Jul 76
Duodenogastric reflux of lysolecithin in the pathogenesis of experimental porcine stress ulceration. Kivilaakso E, et al. **Surgery** 79(1):65–9, Jan 76
A framework for predicting reactions to crises in the aged. Lieberman MA. **Triangle** 14(2):57–64, 1975
[Excretion of some metabolites of catecholamine, serotonin and steroid hormones following neurosensory loading] Gutoranov G. **Vutr Boles** 14(1):40–4, 1975 (Eng. Abstr.) **(Bul)**
[Assessment of myocardial infarct as an industrial accident in relation to mental stress] Kozák J, et al. **Cesk Zdrav** 24(3):124–7, Mar 76 (Eng. Abstr.) **(Cze)**
[Educational load and its consequences in students of 3 selected schools at Charles' University] Provazníková H, et al. **Cesk Zdrav** 24(5):218–23, May 76 (Eng. Abstr.) **(Cze)**
[Effect of beta–adrenergic blockade (Visken) on heart rate orthoclinostatic response and on hypertensive pressor reflex in a mental exertion model (author's transl)] Chrástek J, et al. **Sb Lek** 78(5):133–40, May 76 (Eng. Abstr.) **(Cze)**
[Psychogenic factors in coronary heart disease] Kuha S, et al. **Duodecim** 91(21):1283–5, 1975 **(Fin)**
[Influence of traumatizing factors during captivity on somatic and psychiatric morbidity in former prisoners of war] Donnay JM, et al. **Acta Psychiatr Belg** 75(1):33–48, Jan 75 (Eng. Abstr.) **(Fre)**
[Variability of emotional reactions in pilots before flight] Vassileva M, et al. **Agressologie** 16(3):199–201, 1975 (Eng. Abstr.) **(Fre)**
[Post emotional syndromes (author's transl)] Poinso Y, et al. **Ann Med Psychol (Paris)** 1(2):185–218, Feb 76 (Eng. Abstr.) **(Fre)**
[Psychological characteristics and physiological reactions to stress in normal and coronary diseased subjects. III. Effect of certain psychological characteristics on physiological reactions to stress] Liesse M, et al. **J Psychosom Res** 20(2):77–83, 1976 (Eng. Abstr.) **(Fre)**
[The influence of anticipation of pain on heart and respiratory rates and on the pain reflex in man] Willer JC. **Physiol Behav** 15(5):411–5, Oct 75 (Eng. Abstr.) **(Fre)**
[Physiological changes as a result of school stress in healthy and neurotic children] Sidló L, et al. **Aerztl Jugendkd** 66(5):419–20, Dec 75 **(Ger)**
[Development of questionnaire scales for the evaluation of subjective stress] Weyer G, et al. **Arch Psychol (Frankf)** 127(3–4):161–88, 1975 (Eng. Abstr.) **(Ger)**
[Internal and external stress and tybamate and secobarbital: an experimental investigation of their interactions (author's transl)] Lehmann E. **Arzneim Forsch** 26(6):1132–3, 1976 (Eng. Abstr.) **(Ger)**
[The effect of an antihypertensive drug during psychological stress. A double–blind study] Rösler F, et al. **Arzneim Forsch** 25(6):965–72, Jun 75 (Eng. Abstr.) **(Ger)**
[Death within the framework of emotional stress] Janssen W. **Beitr Gerichtl Med** 33:97–102, 1975 (Eng. Abstr.) **(Ger)**
[Determinism and freedom, freedom and compulsion] Biran S. **Confin Psychiatr** 17(3–4):152–61, 1974 (Eng. Abstr.) **(Ger)**
[Manifestation of acne vulgaris following mental load] Amann W. **Dermatol Monatsschr** 161(6):499–501, Jun 75 **(Ger)**
[Letter: Stress and trauma as cause of diabetes] Petrides P. **Dtsch Med Wochenschr** 101(25):977, 18 Jun 76 **(Ger)**
[Psychological problems of prenatal genetic diagnosis in genetically hazardous pregnancies] pp. 99–102. Kapras J, et al. **In: Bach H, ed. Humangenetische Beratung genetisch belasteter Personen. Jena, Friedrich–Schiller–Univ, 1975. QZ 50 H918 1974.** **(Ger)**
[Business–trip accident, acute heart death following mental and emotional stress] Harrfeldt HP. **Monatsschr Unfallheilkd** 78(10):482–3, Oct 75 **(Ger)**
[The delusion as an expression of the life history] Kretschmer W. **Psychiatr Clin (Basel)** 8(1–2):14–9, 1975 (Eng. Abstr.) **(Ger)**
[Assessment of affliction pressure and conscious motivation for psychotherapy resulting from the initial interview (author's transl)] Badura HO. **Psychother Med Psychol (Stuttg)** 25(6):198–202, Nov 75 (Eng. Abstr.) **(Ger)**
[Themes in today's psychosomatics: anxiety, stress and physiologic function (author's transl)] Schüffel W. **Psychother Med Psychol (Stuttg)** 25(1):1–15, Jan 75 (Eng. Abstr.) **(Ger)**
[Stress in school children in Basel and students' behavior as judged by the teacher] Meyer FF. **Soz Praeventivmed** 20(5):228, Sep–Oct 75 (Eng. Abstr.) **(Ger)**
[Children under stress: socioeconomic change and the well–being of school children] Müller HR. **Soz Praeventivmed** 20(5):226–7, Sep–Oct 75 (Eng. Abstr.) **(Ger)**
[Behavior of the granulation index in juxtaglomerular rat kidney cells under the influence of various simultaneously administered stress–triggering factors] Krompecher T, et al. **Verh Anat Ges** 68:671–4, 1974 **(Ger)**
[Combined ulcerogenous effect of alcohol or nicotine and stress in the rat] Dröszus JU, et al. **Verh Dtsch Ges Pathol** 59:585, 1975 **(Ger)**
[The mental situation of chronic typhus and paratyphus carriers] Fiedler K, et al. **Z Aerztl Fortbild (Jena)** 70(9):503–6, 1 May 76 **(Ger)**
[Changes in pulse rate during long–term sensorimotor stress] Broniš M, et al. **Z Gesamte Hyg** 20(11):748–52, Nov 74

(Eng. Abstr.) (Ger)
[The effect of age and body weight on selected performance and stress parameters in induced psychonervous stress] Münzberger E, et al. **Z Gesamte Hyg** 21(7):554–9, Jul 75 (Eng. Abstr.) (Ger)
[Medicosociological contribution on extraprofessional activities and strain in nurses] Neuber D, et al. **Z Gesamte Hyg** 21(2):171–5, Feb 75 (Eng. Abstr.) (Ger)
[Comparative studies on the workload of school children in Berlin and Budapest] Tiefenbach W, et al. **Z Gesamte Hyg** 20(12):873–4, Dec 74 (Eng. Abstr.) (Ger)
[Comparative studies on influences of physical and psychological strain on the ECG in coronary disease patients] Stein G, et al. **Z Kardiol** 65(5):417–23, May 76 (Eng. Abstr.) (Ger)
[Subjective stress and childhood memories in patients with essential hypertension] Weyer G, et al. **Z Klin Psychol Psychother** 24(1):76–88, 1976 (Eng. Abstr.) (Ger)
[Psychosocial stress] Stumpfe KD. **ZFA** 52(15):791–5, 31 May 76 (Ger)
[Evaluation of the response of some lipid parameters to acute and chronic stress] Descovich GC, et al. **Boll Soc Ital Cardiol** 18(8):755–65, 1973 (Ita)
[Relationship between infraslow wave of ear plethysmogram and psychic tension—in comparison with skin potential reflex and heart rate (author's transl)] Tojo M. **Jpn J Psychol** 46(4):199–206, Oct 75 (Eng. Abstr.) (Jpn)
[Hans Selye's theory and experience of psychic stress in daily life] Seyffarth H. **Tidsskr Nor Laegeforen** 95(31):1812–3, 10 Nov 75 (Nor)
[Analysis of stress situations in patients with uterine cervix cancer] Turuk-Nowak T. **Ginekol Pol** 47(2):183–9, Feb 76 (Eng. Abstr.) (Pol)
[Stress situations in patients with breast and cervix neoplasms treated with radiotherapy] Turuk-Nowakowa T. **Nowotwory** 26(1):61–7, Jan–Mar 76 (Eng. Abstr.) (Pol)
[Significance of harmful environmental factors in personality development. The role of psychic stress and some personality traits in the pathogenesis of duodenal and stomach ulcer] Czubalski K, et al. **Pol Tyg Lek** 31(19):801–4, 10 May 76 (Eng. Abstr.) (Pol)
[Silvotherapy, chromotherapy, music therapy and bibliotherapy in spa treatment of civilization-induced diseases] Gala J. **Pol Tyg Lek** 31(11):463–5, 15 Mar 76 (Pol)
[Psychological stress developing following contact with therapeutic units. Pathogenic elements in social environment] Wardaszko-Lyskowska H. **Pol Tyg Lek** 30(35):1421–9, 1 Sep 75 (Pol)
[Degree of adaptation in patients following a phase of affective psychosis] Kapelska A, et al. **Psychiatr Pol** 9(5):495–501, Sep–Oct 75 (Eng. Abstr.) (Pol)
[Autonomic reactivity in post-traumatic encephalopathy to directly traumatizing situations and their verbal symbols] Zakrzewska F, et al. **Psychiatr Pol** 10(3):283–95, May–Jun 76 (Eng. Abstr.) (Pol)
[The role of prolonged emotional stress in the genesis of hypercholesterolemia and hypertension] Iastrebtsova NL, et al. **Biull Eksp Biol Med** 81(1):20–1, Jan 76 (Eng. Abstr.) (Rus)
[The neuro-emotional strain of drivers at the time of car driving] Vaĭsman AI. **Gig Sanit** (6):13–5, Jun 75 (Eng. Abstr.) (Rus)
[Cerebral mechanisms of the pathogenesis of arterial hypertension] Sudakov KV. **Kardiologiia** 16(5):12–8, MAY 76 (Rus)
[Neurochemical characteristics of specific pathological syndrome originating under conditions of stress states] Anokhina IP. **Vestn Akad Med Nauk SSSR** (8):34–43, 1975 (Eng. Abstr.) (Rus)
[Emotional stress and cardiovascular diseases] Chazov EI. **Vestn Akad Med Nauk SSSR** (8):3–8, 1975 (Rus)
[Mechanism of selective affection of the cardiovascular system in psychoemotional stress] Repin IuM, et al. **Vestn Akad Med Nauk SSSR** (8):71–6, 1975 (Eng. Abstr.) (Rus)
[Annual and diurnal dynamics of excretion of 17-hydroxycorticosteroids and their relation to catecholamines in school teachers] Karpenko AV. **Vrach Delo** (9):124–7, Sep 75 (Eng. Abstr.) (Rus)
[Diurnal and annual dynamics of excretion of adrenaline and noradrenaline in high-school teachers] Karpenko AV. **Vrach Delo** (4):104–9, Apr 75 (Eng. Abstr.) (Rus)
[Vegetative-vascular disorders during intensive mental work] Pines AG, et al. **Vrach Delo** (4):100–4, Apr 75 (Eng. Abstr.) (Rus)
[Effect of psychotropic agents in emotional stress] Zakharova NN. **Zh Nevropatol Psikhiatr** 74(2):277–82, 1974 (Eng. Abstr.) (Rus)
[Linguistic features of the structure of verbal expression in emotional stress] Nosenko EL. **Zh Vyssh Nerv Deiat** 25(2):253–9, Mar–Apr 75 (Eng. Abstr.) (Rus)
[The relationship between emotional tension and different circumstances surrounding examinations] Volkind NIa. **Zh Vyssh Nerv Deiat** 25(6):1181–7, Nov–Dec 75 (Eng. Abstr.) (Rus)
[University crisis and student psychiatric service] Perdomo, et al. **Acta Psiquiatr Psicol Am Lat** 21(1):24–7, Mar 75 (Eng. Abstr.) (Spa)
[The so-called rent neuroses] Calcedo Ordoñez DA. **An R Acad Nacl Med (Madr)** 92(4):529–610, 1975 (Spa)
[Critical review of the concept of rent neuroses] Guimón Ugartechea IS. **An R Acad Nacl Med (Madr)** 92(4):611–73, 1975 (Spa)

DRUG EFFECTS

Oxprenolol in the treatment of examination nerves. Krishnan G. **Scott Med J** 20(6):288–9, Nov 75
[Psychopharmacological aspects of emotional stress] Val'dman AV. **Vestn Akad Med Nauk SSSR** (8):26–33, 1975 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Genetically determined variability of rat behaviour and its biochemical correlates. Benešová O. **Act Nerv Super (Praha)** 18(1–2):107–8, Jun 76
Cardiovascular reactions to physical exertion, psychogenic stress and to hypnotically induced emotions. Černý M, et al. **Act Nerv Super (Praha)** 17(1):38–9, Mar 75
Changes in heart rate variability due to informational, physical and emotional load, in laboratory and field conditions. Danev S, et al. **Act Nerv Super (Praha)** 17(3):187–8, SEP 75
Autoradiographic analysis of utilization of U14C glucose in the synthesis of nucleoproteids of cortical neurons in rats with different ontogeny during the anticipation stress. Semiginovský B, et al. **Act Nerv Super (Praha)** 17(1):68–9, Mar 75
Impacts of environmental stress exposure on central nervous functional patterns. A quantitative approach to evoked potential data. Baumann H, et al. **Acta Biol Med Ger** 34(1):107–16, 1975
Response of primate heart to emotional stress before and after cardiac denervation. Randall DC, et al. **Am J Physiol** 230(4):988–95, Apr 76
Effect of stress and anxiety on thrombus formation and blood viscosity factors. Dintenfass L, et al. **Bibl Haematol** (41):133–9, 1975
Serum corticoid levels relative to handling stress in Alaskan moose. Franzmann AW, et al. **Can J Zool** 53(10):1424–6, Oct 75
Cardiovascular reflex responses to apnoeic face immersion and mental stress in diabetic subjects. Bennett T, et al. **Cardiovasc Res** 10(2):192–9, Mar 76
Continuous stimulation and arousal level in infancy: effects of stimulus intensity and stress. Brackbill Y. **Child Dev** 46(2):364–9, Jun 75
Effects of varying laboratory conditions on behavioral-state organization in two- and eight-week-old infants. Sostek AM, et al. **Child Dev** 46(4):871–8, Dec 75
Stress and distress. Selye H. **Compr Ther** 1(8):9–13, Dec 75
Analysis of workday stresses on industrial managers using heart rate as a criterion. Hennigan JK, et al. **Ergonomics** 18(6):675–81, Nov 75
Some physiological aspects of emotional stress. pp. 459–74. Peterfy G, et al. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**
Cardiological aspects of beta-blockade in stress situations. pp 173–83. Taggart P, et al. **In: Schweizer W, ed. Beta-blockers – present status and future prospects. Bern, Huber, 1974. QV 132 B562 1974.**
The role of stress factors in ischaemic heart disease and their modulation by beta-receptor antagonists. pp 167–72. Taylor SH. **In: Schweizer W, ed. Beta-blockers – present status and future prospects. Bern, Huber, 1974. QV 132 B562 1974.**
Changes of heart rate, electrocardiogram and blood pressure during physical stress by an aerobatic program. pp. 138–45. Kessel R, et al. **In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.**
Certain aspects of catecholamine metabolism in man under stress. pp. 589–92. Bolshakova TD. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**
Changes in catecholamine excretion in students during examinations. pp. 583–7. Kujalova V, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**
Plasma renin and dopamine-beta-hydroxylase activity and catecholamine excretion in man during stress. pp. 567–74. Lángoš J, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**
Catecholamines and corticosteroids in acute and repeated stress. pp. 445–55. Mikulaj L, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**
Influence of social stress on brain catecholamine mechanisms. pp. 17–28. Modigh K. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**
Hypertension as a disease of modern society. Eyer J. **Int J Health Serv** 5(4):539–58, 1975
Identity of emotional triggers in epilepsy. Feldman RG, et al. **J Nerv Ment Dis** 162(5):345–53, May 76
The use of 18O2 in studying oxygen metabolism in various behavioral situations. Mayevsky A, et al. **J Neurosci Res** 1(5–6):495–9, 1975
Effect of social stress and inherited plasma corticosterone levels in chickens on populations of the northern fowl mite, Ornithonyssus sylviarum. Hall RD, et al. **J Parasitol** 61(6):1096–1100, Dec 75
Eye movements during REM sleep: the influence of personality and presleep conditions. Cohen DB. **J Pers Soc Psychol** 32(6):1090–3, Dec 75
Effect of cognitive appraisal on d' and response bias to experimental stress. Neufeld RWJ. **J Pers Soc Psychol** 31(4):735–43, Apr 75
The stress response in the rat from harnessing for chronic intravenous infusion. Birkhahn RH, et al. **J Surg Res** 21(3):185–90, Sep 76
Reduction of stomach ulceration by hypothalamic stimulation in the unrestrained rat. Marshall J, et al. **Physiol Behav** 16(4):391–3, Apr 76
Changes in myocardial function as a consequence of prolonged emotional stress. Cairncross KD, et al. **Prog Brain Res** 42:313–8, 1975
Physiological mechanisms involved in psychological stress. Kurtsin IT. **Prog Brain Res** 42:319–20, 1975
REM sleep and the analytic process: a psychophysiologic bridge. Greenburg R, et al. **Psychoanal Q** 44(3):392–403, Jul 75
Does increasing stress change the behavioral action of mescaline from disruption to facilitation? Gorelick DA, et al. **Psychopharmacologia** 44(3):307–9, 21 Nov 75
The effects of stress on components of the respiration cycle. Cohen HD, et al. **Psychophysiology** 12(4):377–80, Jul 75
Cardiac responses associated with 'yoked-chair' shock avoidance in squirrel monkeys. Corley KC, et al. **Psychophysiology** 12(4):439–44, Jul 75
Cognitive control factors in vascular stress responses. DeGood DE. **Psychophysiology** 12(4):399–401, Jul 75
Anxiety and the habituation of the skin conductance response. Watts JM. **Psychophysiology** 12(5):596–601, Sep 75
Effects of acute exposure to stressors on subsequent avoidance-escape behavior. Weiss JM, et al. **Psychosom Med** 37(6):499–521, Nov–Dec 75
Effects of chronic exposure to stressors on avoidance-escape behavior and on brain norepinephrine. Weiss JM, et al. **Psychosom Med** 37(6):522–34, Nov–Dec 75
Studies of endocrine and affective functions in complex flight manoeuvres. Pinter EJ, et al. **Psychother Psychosom** 26(2):93–100, 1975
Letter: Pituitary and ovarian function in women with vesicovaginal fistulae after obstructed and prolonged labour. Goodson P. S **Afr Med J** 50(17):651, 17 Apr 76
Genetic predisposition and stress-induced hypertension. Friedman R, et al. **Science** 193(4248):161–2, 9 Jul 76
[Neurohumoral reactions in stutterers and stammerers] Chmelová A, et al. **Folia Phoniatr (Basel)** 27(4):283–6, 1975 (Eng. Abstr.) (Ger)
[Stress and electrocardiogram. Telemetric investigations during a stunt flight program (author's transl)] Kessel R, et al. **Munch Med Wochenschr** 118(32–33):1001–6, 6 AUG 76 (Eng. Abstr.) (Ger)
[The significance of physiologic parameters for stress determination in simple directional movements] Scheuch K, et al. **Z Gesamte Hyg** 21(7):548–53, Jul 75 (Eng. Abstr.) (Ger)
[Stress sensitivity and adaptation] Baumann K. **Z Gesamte Inn Med** 30(8):suppl:17–30 concl, 15 Apr 75 (Ger)
[Psychoendocrinological study on the pituitary-adrenocortical system in rats. Part 2: The relationship of the nature of emotional stress and individual emotionality to plasma corticosterone (author's transl)] Kitanaka I. **Folia Endocrinol Jpn** 51(4):240–6, 20 Apr 75 (Eng. Abstr.) (Jpn)
[Psychoendocrinological studies on the pituitary-adrenocortical system in rats. part 1: Relationship between emotional stress (novel stimulus) and plasma corticosterone (author's transl)] Kitanaka I. **Folia Endocrinol Jpn** 51(4):228–39, 20 Apr 75 (Eng. Abstr.) (Jpn)
[Psychosomatic studies on changes of serum human growth hormone (author's transl)] Kurokawa N. **Fukuoka Acta Med** 66(9):513–22, 25 Sep 75 (Eng. Abstr.) (Jpn)
[Effect of emotional stress on gastric secreation – its significance in the etiology of peptic ulcer] Nagamachi Y, et al. **Jpn J Gastroenterol** 72(6):673–83, Jun 75 (Eng. Abstr.) (Jpn)
[Lowered resistance in desympathized animals in extreme conditions of existence] Mukhammedov A. **Biol Nauki** (5):28–33, 1975 (Rus)
[Corticosterone content of the blood in intact and sympathectomized animals in stress situations arising during structure formation in a group of white mice] Mukhammedov A, et al. **Dokl Akad Nauk SSSR** 229(1):223–5, JUL–AUG 76 (Rus)
[Changes in cerebral circulation during mental activity] Rashman SM. **Fiziol Zh** 21(5):607–11, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Physiological characteristics of nervous and emotional tension in workers engaged in intellectual work] Solov'eva VP, et al. **Gig Tr Prof Zabol** (1):13–7, Jan 76 (Eng. Abstr.) (Rus)
[Portable apparatus for telemetric recording of physiological functions during neuropsychic stress] Gofman SS, et al. **Kosm Biol Aviakosm Med** 9(4):65–8, Jul–Aug 75 (Rus)
[Functional state of the hypophyseal-adrenal cortex system in emotional stress with an element of aggression] Robu AI, et al. **Probl Endokrinol (Mosk)** 21(4):69–73, Jul–Aug 75 (Rus)
[General characteristics and knowledge of stress reaction]

Gorizontov PD. **Vestn Akad Med Nauk SSSR** (8):81–9, 1975 (Eng. Abstr.) **(Rus)**

[Emotional stress and sleep] Latash LP, et al. **Vestn Akad Med Nauk SSSR** (8):76–81, 1975 (Eng. Abstr.) **(Rus)**

[Neurophysiological mechanisms of arterial hypertension in experimental emotional stress] Sudakov KV. **Vestn Akad Med Nauk SSSR** (8):43–50, 1975 (Eng. Abstr.) **(Rus)**

[Limbic system of the brain, emotional stress and its endocrine-autonomic manifestations] Vediaev FP. **Vestn Akad Med Nauk SSSR** (8):57–65, 1975 (Eng. Abstr.) **(Rus)**

[Physiological and biochemical reactions to a standard battery of emotion-producing factors] Simonov EE, et al. **Voen Med Zh** (2):66–9, Feb 76 **(Rus)**

[Work capacity of sailors under emotional stress] Solodkov AS, et al. **Voen Med Zh** (7):55–7, Jul 75 **(Rus)**

[Experimental studies of the 'anticipation stress' syndrome] Vediaev FP, et al. **Zh Vyssh Nerv Deiat** 26(2):366–74, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Differential sensitivity of the kinesthetic, visual and auditory sensory systems of sportsmen during the period of pre-start emotional stress] Akhmedov TI. **Fiziol Zh** 22(1):101–8, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

[Changes in the electric conductivity and electrolyte composition of the blood plasma of rats with emotional-stress conditions] Chernychenko LL. **Fiziol Zh** 21(3):367–70, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Characteristics of bioelectric and autonomic responses in a model of neurogenic-emotional stress in rats] Demydov VO. **Fiziol Zh** 20(3):322–6, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[Cardiorespiratory correlates of an experimental model of 'anticipation stress'] Samokhvalov VG. **Fiziol Zh** 22(3):373–9, MAR–APR 76 (Eng. Abstr.) **(Ukr)**

[Emotional stress and the limbic system of the brain] Vediaev FP. **Fiziol Zh** 21(6):723–31, Nov–Dec 75 (31 ref.) (Eng. Abstr.) **(Ukr)**

STROKE see **CEREBROVASCULAR DISORDERS**

STROKE VOLUME see **CARDIAC OUTPUT**

STRONGYLE INFECTIONS, EQUINE

Strongylus vulgaris in the horse: a review. McCraw BM, et al. **Can Vet J** 17(6):150–7, Jun 76 (57 ref.)

The pathogenesis and control of strongyle infection in the horse. Duncan JL, et al. **J S Afr Vet Assoc** 46(1):81–5, Mar 75

COMPLICATIONS

Septic thrombosis in a foal. Perce RB, et al. **Vet Med Small Anim Clin** 71(8):1103–7, Aug 76

Diarrhoea in horses associated with ulceration of the colon and caecum resulting from S vulgaris larval migration. Greatorex JC. **Vet Rec** 97(12):221–5, 20 Sep 75

DRUG THERAPY

Evaluation of pyrantel pamoate against strongyles in horses. Slocombe JO, et al. **Can Vet J** 16(10):310–2, Oct 75

OCCURRENCE

Epidemiological studies on horses infected with nematodes of the family Trichonematidae (Witenberg, 1925). Ogbourne CP. **Int J Parasitol** 5(6):667–72, Dec 75

PATHOLOGY

[Arterial repair after mechanical injury by migrating fourth-stage larvae of Strongylus vulgaris in the horse (a light and electron microscopic study) (author's transl)] Pauli B, et al. **Beitr Pathol** 155(4):357–78, Aug 75 (Eng. Abstr.) **(Ger)**

STRONGYLOIDEA

Immunologic response of guinea pigs to infection with Angiostronglyus cantonensis. Yoshimura K, et al. **Jpn J Vet Sci** 37(6):585–91, Dec 75

Reaginic antibody productions in rabbits and rats infected with Angiostrongylus cantonensis. Yoshimura K, et al. **Jpn J Vet Sci** 38(1):33–40, Feb 76

Letter: Elaphostrongylus cervi in red deer. Mason PC, et al. **NZ Vet J** 24(1–2):22–3, Jan–Feb 76

Letter: Dictyocaulis viviparus and Elaphostrongylus cervi in wapiti. Mason PC, et al. **NZ Vet J** 24(1–2):23, Jan–Feb 76

CLASSIFICATION

Eucyathostomum webbi sp. n. (Strongyloidea: Cloacinidae) from white-tailed deer (Odocoileus virginianus). Pursglove SR Jr. **J Parasitol** 62(4):574–8, Aug 76

DRUG EFFECTS

[Larvicidial activity of anthelmintics against Angiostrongylus cantonensis] Lämmler G, et al. **Berl Munch Tieraerztl Wochenschr** 88(8):152–6, 15 Apr 75 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Exsheathment of infective larvae of Cooperia curticei. Ahluwalia JS, et al. **NZ Vet J** 22(12):237–8, Dec 74

ISOLATION & PURIFICATION

[Presence of Angiostrongylus cantonensis at la Réunion] Picot H, et al. **Acta Trop (Basel)** 32(4):381–3, 1975 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Studies on the pathogenicity of Cooperia curticei for sheep. Ahluwalia JS, et al. **NZ Vet J** 23(9):197–9, Sep 75

PHYSIOLOGY

Potential intermediate and paratenic hosts for Angiostrongylus cantonensis. Rachford FW. **J Parasitol** 61(6):1117–9, Dec 75

STRONGYLOIDES

GROWTH & DEVELOPMENT

Strongyloides fülleborni: development in axenic culture. Hansen EL, et al. **Exp Parasitol** 38(2):161–6, Oct 75

IMMUNOLOGY

Increased resistance in the rat to Strongyloides ratti following immunization against Trichinella spiralis. Kazacos KR. **J Parasitol** 62(3):493–4, Jun 76

ISOLATION & PURIFICATION

Larva currens. Cutaneous strongyloidiasis. Smith JD, et al. **Arch Dermatol** 112(8):1161–3, Aug 76

PHYSIOLOGY

Studies on the dynamics of Strongyloides egg release under stud conditions. Hiepe T, et al. **Folia Parasitol (Praha)** 22(4):341–4, 1975

STRONGYLOIDIASIS

Strongyloides fulleborni-like infections in man in Papua New Guinea. Kelly A, et al. **Am J Trop Med Hyg** 25(5):694–9, Sep 76

BLOOD

[Mechanism of hyocorticosteronemia action of Strongyloides ratti in the rat] Bailenger J, et al. **Ann Parasitol Hum Comp** 50(2):187–97, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Action of reserpine on parasitism of the rat by Strongyloides ratti. Attempt at the mechanism of parasitic hypocorticosteronemia] Bailenger J, et al. **Ann Parasitol Hum Comp** 50(2):199–208, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Eosinophilic meningitis in Thailand. Clinical studies of 484 typical cases probably caused by Angiostrongylus cantonensis. Punyagupta S, et al. **Am J Trop Med Hyg** 24(6 Pt 1):921–31, Nov 75

Fatal peritonitis, an unusual complication of Srongyloides stercoralis infestation. Lintermans JP. **Clin Pediatr (Phila)** 14(10):947–5, Oct 75

Opportunistic pulmonary strongyloidiasis complicating asthma treated with steroids. Higenbottam TW, et al. **Thorax** 31(2):226–33, Apr 76 (25 ref.)

Fatal bowel infarction and sepsis: an unusual complication of systemic strongyloidiasis. Ali-Khan Z, et al. **Trans R Soc Trop Med Hyg** 69(5–6):473–6, 1975

[Electromyographic analysis of motor perturbations linked with gastrointestinal strongyloidiasis] Buéno L, et al. **C R Soc Biol (Paris)** 169(6):1627–32, 1975 (Eng. Abstr.) **(Fre)**

[Anguilluliasis is not always a benign disease] Bigorie B, et al. **Nouv Presse Med** 5(13):853–5, 27 Mar 76 **(Fre)**

[The association of severe clinical forms of strongyloidiasis and intestinal amoebiasis] Filho EC, et al. **Rev Inst Med Trop Sao Paulo** 18(2):102–7, Mar–Apr 76 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Larva currens. Cutaneous strongyloidiasis. Smith JD, et al. **Arch Dermatol** 112(8):1161–3, Aug 76

Three serious parasitic infections often missed in clinical practice. Katz M. **Postgrad Med** 58(3):149–52, Sep 75

[Biological diagnosis of anguilluliasis] Coudert J, et al. **Ann Soc Belg Med Trop** 55(5):525–33, 1975 **(Fre)**

[18 cases of anguilluliasis diagnosed at Geneva] Berthoud F, et al. **Schweiz Med Wochenschr** 105(35):1110–5, 30 Aug 75 (Eng. Abstr.) **(Fre)**

[Difficult diagnosis of a case of strongyloidiasis] Raniuk DS. **Vrach Delo** (9):144–5, Sep 75 **(Rus)**

DRUG THERAPY

Letter: Treatment of strongyloidiasis. Gupte S. **Indian Pediatr** 12(7):611, Jul 75

ETIOLOGY

Infections in cancer patients. Bodey GP. **Cancer Treat Rev** 2(2):89–128, Jun 75 (189 ref.)

Strongyloides stercoralis hyperinfection in a renal allograft recipient. Meyers AM, et al. **S Afr Med J** 50(33):1301–2, 31 Jul 76

[Letter: Fatal anguillulosis and immunosuppressive treatment] Coulaud JP, et al. **Nouv Presse Med** 4(16):1208–9, 19 Apr 75 **(Fre)**

IMMUNOLOGY

Immunoglobulin studies in strongyloidiasis with special reference to raised serum IgE levels. Preliminary communication. Bezjak B. **Am J Trop Med Hyg** 24(6 Pt 1):945–8, Nov 75

PARASITOLOGY

Letter: Observations concerning the parasitic load, duration of infection and clinical manifestations in strongyloidiasis. Dancescu P. **Trans R Soc Trop Med Hyg** 70(2):162–3, 1976

[Angiostrongyliasis: report of a probable case] Ziliotto A Jr, et al. **Rev Inst Med Trop Sao Paulo** 17(5):312–8, Sep–Oct 75 (Eng. Abstr.) **(Por)**

PREVENTION & CONTROL

Community control of Strongyloides stercoralis by thiabendazole. Arguedas JA, et al. **Tex Rep Biol Med** 33(2):265–8, 1975

TRANSMISSION

[Letter: Can one contract anguilluliasis in a swimming pool?] Brumpt LC. **Nouv Presse Med** 5(7):434–5, 14 Feb 76 **(Fre)**

[Letter: Role of public swimming pools in the transmission of intestinal anguillulosis] Jacquemin JL, et al. **Nouv Presse Med** 4(31):2271, 27 Sep 75 **(Fre)**

[Possibility of spread of strongyloidiasis among miners in underground excavations of iron ore mines in Krivorozhie] Shamray OV. **Med Parazitol (Mosk)** 44(2):229–30, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Strongyloides ransomi: prenatal and transmammary infection of pigs of sequential litters from dams experimentally exposed as weanlings. Stewart TB, et al. **Am J Vet Res** 37(5):541–4, May 76

Studies on the dynamics of Strongyloides egg release under stud conditions. Hiepe T, et al. **Folia Parasitol (Praha)** 22(4):341–4, 1975

Activity of disaccharidases and dipeptidases of the intestinal mucosa of piglets during mild and severe infections with Strongyloides ransomi. Enigk K, et al. **J Comp Pathol** 86(2):243–50, Apr 76

Percutaneous and subcutaneous infection of pigs with Strongyloides ransomi. Stewart TB. **J Parasitol** 62(4):650–1, Aug 76

[Fluorescent microscopy in the diagnosis of Dictyocaulus infection in sheep] Denev I, et al. **Vet Med Nauki** 12(1):97–100, 1975 (Eng. Abstr.) **(Bul)**

[Experimental treatment of strongylosis of the digestive tract of sheep in tropical zones with morantel tartrate] Vassiliades G, et al. **Rev Elev Med Vet Pays Trop** 28(4):481–9, 1975 (Eng. Abstr.) **(Fre)**

[Preliminary research on the diffusion of gastrointestinal strongyli in roe deer in various zones of the province of Trento] Restani R, et al. **Parassitologia** 16(1):87–8, Jan–Apr 74 (Eng. Abstr.) **(Ita)**

[Prospects for the chemoprophylaxis of strongylatosis in marals] Priadko EI, et al. **Veterinariia** (4):70–2, Apr 76 **(Rus)**

STRONGYLOSIS, EQUINE see **STRONGYLE INFECTIONS, EQUINE**

STRONTIUM

Electric mobility of bivalent cations in the presence of an anionic polysaccharide. Magdelénat H, et al. **Biopolymers** 15(1):175–86, Jan 76

Use of SrTiO3 prisms as dispersive elements in a dye ring laser. Marowsky G. **Rev Sci Instrum** 47(7):843–5, Jul 76

ADVERSE EFFECTS

[Problems of work hygiene in the production of strontium compounds] Ziuziukin IuV. **Gig Tr Prof Zabol** (8):43–5, Aug 75 **(Rus)**

ANALYSIS

Strontium and fluoride content of surface and inner enamel versus caries prevalence in the Atlantic coast of the United States of America. Little MF, et al. **Caries Res** 10(4):297–307, 1976

High-resolution radioisotopic measurements of calcium, strontium, and barium in heart. Sanborn WG. **J Appl Physiol** 39(3):503–8, Sep 75

BLOOD

[Cation-exchange method of determining the state of magnesium, calcium and strontium in blood plasma] Kolosov IV, et al. **Biull Eksp Biol Med** 81(4):508–9, 1976

(Eng. Abstr.) **(Rus)**

METABOLISM

Metabolic balances of strontium in man. Warren JM, et al. **Clin Orthop** (117):307–20, Jun 76

The influence of age and sex on the activity ratio of yttrium–90 to strontium–90 in the rat skeleton after incorporation of strontium–90. Stevenson AF. **Health Phys** 29(2):285–90, Aug 75

Strontium–85 extraction during transcapillary passage in tibial bone. Cofield RH, et al. **J Appl Physiol** 39(4):596–602, Oct 75

Transcapillary exchange of strontium and sucrose in canine tibia. Davies DR, et al. **J Appl Physiol** 40(1):17–22, Jan 76

47Ca and 85Sr absorption and excretion compared in normal controls. Macleod MA. **J R Nav Med Serv** 62(1):17–20, Spring 76

85Sr uptake in lung metastases of osteogenic sarcoma. A case report. Cohen Y, et al. **Oncology** 30(6):493–8, 1974

Strontium, lead and nickel incorporation into mouse calvaria in vitro. Jacobsen N, et al. **Pathol Eur** 10(2):115–21, 1975

Comparative kinetics of 45Ca and 89Sr in chronic uremic syndrome in the rat. Remagen W, et al. **Res Exp Med (Berl)** 165(3):271–84, 24 Sep 75

[Influence of active pulmonary tuberculosis on the level of strontium in the plasma, erythrocytes and lung tissue] Stratonov VM, et al. **Probl Tuberk** (6):51–5, 1975 (Eng. Abstr.) **(Rus)**

[Transition of strontium and calcium from the ration into the skeleton of cattle in ontogeny] Sirotkin AN, et al. **Zh Obshch Biol** 36(2):291–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of stable strontium on the incorporation and metabolism of radioactive strontium in young and adult rabbit bones. Witkowska D. **Acta Physiol Pol** 26(4):407–18, Jul–Aug 75

The effect of strontium, cobalt and fluoride on rat incisor enamel formation. Neiman A, et al. **Anat Rec** 183(2):303–21, Oct 75

Inhibition of dihydrostreptomycin binding to Mycobacterium smegmatis by monovalent and divalent cation salts. Beggs WH, et al. **Antimicrob Agents Chemother** 9(3):393–6, Mar 76

Adrenergic drug–receptor interaction in the presence of strontium (Sr++) in mammalian myocardium. Carrier GO, et al. **Arch Int Pharmacodyn Ther** 218(1):11–8, Nov 75

Pre-eruptive effects of Mo, B, Sr and F on dental caries in the rat. Hunt CE, et al. **Arch Oral Biol** 20(8):497–501, Aug 75

Metal activation of DNA synthesis. Sirover MA, et al. **Biochem Biophys Res Commun** 70(3):812–7, 7 Jun 76

Mammalian 3–oxosteroid delta4–delta5–isomerase. A membrane–bound enzyme. II. Activation by divalent cations. Gallay J, et al. **Biochim Biophys Acta** 397(2):501–9, 26 Aug 75

Divalent cations: effects on post–synaptic pharmacology of invertebrate synapses. Barker JL. **Brain Res** 92(2):307–23, 11 Jul 75

Length–induced changes in activation during contraction. A study of mechanical oscillations in strontium–mediated contractions of cat and frog heart muscle. Henderson AH, et al. **Circ Res** 38(4):289–96, Apr 76

Action potentials in chick atria. Ontogenetic changes in the dependence of tetrodotoxin–resistant action potentials on calcium, strontium, barium. Pappano AJ. **Circ Res** 39(1):99–105, Jul 76

Length as a factor in excitation–contraction coupling in heart muscle: an investigation of mechanical transients in strontium–mediated contractions. Henderson AH, et al. **Eur J Cardiol** 4 Suppl:47–51, May 76

Continuous Sr2+–induced oscillations of the ionic fluxes in mitochondria. Gylkhandanyan AV, et al. **FEBS Lett** 66(1):44–7, 1 Jul 76

Effect of prenatal, preeruptive, and posteruptive strontium administration on dental caries in hamster molars. Gedalia I, et al. **J Dent Res** 54(6):1240, Nov–Dec 75

Characterization of the effects of Mg2+ on Ca2+– and Sr2+–activated tension generation of skinned skeletal muscle fibers. Donaldson SK, et al. **J Gen Physiol** 66(4):427–44, Oct 75

Prolonged biphasic strontium–mediated contractions of cat and frog heart muscle and their response to inotropic influences. Henderson AH, et al. **J Mol Cell Cardiol** 8(4):299–319, Apr 76

Some electrical and mechanical effects of strontium on toad ventricular muscle: comparison to calcium. Bass BG, et al. **J Physiol (Lond)** 252(3):547–64, Nov 75

Effect of intracellular injection of calcium and strontium on cell communication in heart. De Mello WC. **J Physiol (Lond)** 250(2):231–45, Sep 75

Action of Sr of the tonus of pyloric antrum strip from rat's stomach, particularly, in relation to Ca. Shino H. **Kobe J Med Sci** 21(3):89–95, Sep 75

Strontium–calcium substitution in synaptic transmission in turtle retina. Piccolino M. **Nature** 261(5560):504–5, 10 Jun 76

[Strontium and calcium metabolism. Interaction of strontium and vitamin D] Rousselet F, et al. **C R Soc Biol (Paris)** 169(2):322–9, 1975 (Eng. Abstr.) **(Fre)**

[Biophsical study of dental tissues under the effect of a local strontium application] Kun L. **Schweiz Monatsschr Zahnheilkd** 86(7):661–76, Jul 76 **(Fre)**

[Proceedings: Strontium contraction and intracellular calcium in the guinea pig taenia coli] Aizu M, et al. **Jpn Arch Intern Med** 11(4):266–8, Dec 75 **(Jpn)**

SECRETION

Letter: Some differences between 87mSr and 99mTc–polyphosphate in their secretion in the serous fluids. Chaudhuri TK. **J Nucl Med** 16(12):1208–9, Dec 75

THERAPEUTIC USE

Fast densensitization of tooth roots by topically applied SnF2 and SrCl2 in dogs. Penny DA, et al. **Arch Oral Biol** 21(6):339–47, 1976

[Clinical and radiological evaluation of zinc oxide with eugenol as material for root canals fillings] Limanowska H, et al. **Czas Stomatol** 29(2):109–115, Feb 76 (Eng. Abstr.) **(Pol)**

TOXICITY

[Experimental basis of the maximum permissible concentrations of strontium compounds in the air of industrial premises] Tarasenko NIu, et al. **Gig Sanit** (5):28–32, May 76 (Eng. Abstr.) **(Rus)**

STRONTIUM RADIOISOTOPES

The effect of stable strontium on the incorporation and metabolism of radioactive strontium in young and adult rabbit bones. Witkowska D. **Acta Physiol Pol** 26(4):407–18, Jul–Aug 75

A new method for calculating the accretion rate of bone calcium and some observations on the suitability of strontium–85 as a tracer for bone calcium. Reeve J, et al. **Calcif Tissue Res** (2):121–35, 20 Apr 76

Local dosimetry and qualitative changes in 226Ra– and 90Sr–90Y–labeled beagle humeri. Momeni MH, et al. **Health Phys** 30(1):21–34, Jan 76

Dose rates, dose and time effects of 90Sr + 90Y and 226Ra on beagle skeleton. Momeni MH, et al. **Health Phys** 30(5):381–90, May 76

[Morphologic changes in the skin of sheep and lambs following external exposure to Sr90] Iordanov I, et al. **Vet Med Nauki** 11(10):33–8, 1974 (Eng. Abstr.) **(Bul)**

Sr90 beta irradiator] Agelao G, et al. **Minerva Ecol Idroclimatol Fis Nucl** 15(2):68–74, Apr–Jun 75 (Eng. Abstr.) **(Ita)**

[Hygienic evaluation of the radiation hazard and the effectiveness of protection during contact of Sr85 with excoriations and intact integument of man] Il'in LA, et al. **Med Radiol (Mosk)** 20(11):44–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Complex effect of strontium–90 and bazudin on Aristichthys nobilis] Aleksan'ian OM, et al. **Radiobiologiia** 15(6):934–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[State of rat digestive tract sections during long–term accumulation of strontium–90] Boĭtsova VP, et al. **Radiobiologiia** 15(3):389–93, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Relation of average lifespan, mortality and frequency of osteosarcoma in rats to the absorbed dose from strontium–90] Shvedov VL, et al. **Radiobiologiia** 15(3):402–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Blastomogenic effect following single and chronic exposure to a mixture of cesium–137 and strontium–90] Danetskaia EV, et al. **Vopr Onkol** 22(5):74–8, 1976 (Eng. Abstr.) **(Rus)**

[Morphologic and biochemical changes in the blood of cows chronically exposed to strontium–90] Sirotkin AN, et al. **Zh Obshch Biol** 36(6):935–41, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

90Sr–90Y dose distribution in beagles: injection relative to ingestion. Momeni MH, et al. **Health Phys** 30(1):3–19, Jan 76

The influence of injection route and pH value on the activity ratio of yttrium–90 to strontium–90 in the rat skeleton after 90Sr incorporation. Stevenson AF. **Health Phys** 29(5):788–9, Nov 75

B lymphocyte differentiation from fetal liver stem cells in89 Sr–treated mice1. Kincade PW, et al. **J Immunol** 115(5):1217–22, Nov 75

[Probability distribution of dose rates in bone tissue in relation to the rhythm of strontium–90 administration and the age of the animals] Rasin IM, et al. **Radiobiologiia** 15(5):691–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Selective elimination of marrow precursors with the bone–seeking isotope 89Sr: implications for hemopoiesis, lymphopoiesis, viral leukemogenesis and infection. Bennett M, et al. **J Reticuloendothel Soc** 20(1):71–87, Jul 76

ANALYSIS

Strontium–90 in deciduous teeth in Finland. A follow–up study. Kolehmainen L, et al. **Acta Odontol Scand** 33(2):107–10, 1975

Strontium content of deciduous teeth in northern and southern Finland. Rytömaa I, et al. **Acta Odontol Scand** 33(2):115–8, 1975

The determination of strontium–90 and strontium–89 in water without separation of strontium from calcium. Regan JG, et al. **Analyst** 101(1198):32–8, Jan 76

Radionuclide levels in mature grain related to radiostrontium content and time of direct contamination. Aarkrog A. **Health Phys** 28(5):557–62, May 75

Strontium–90 in human bone in Norway 1973. Christensen GG, et al. **Health Phys** 29(5):794–5, Nov 75

Strontium–90 in a tropical rain forest: 12th–yr validation of a 32–yr prediction. Jordan CF, et al. **Health Phys** 30(2):199–201, Feb 76

Sequential radiochemical analysis for ruthenium, strontium and cesium in environmental air. Krieger HL, et al. **Health Phys** 30(6):465–70, Jun 76

Distribution of injected 226Ra and 90Sr in the beagle skeleton. Lloyd RD, et al. **Health Phys** 30(2):183–9, Feb 76

Analysis of the 89Sr and 90Sr content in eluates of fission produced 99Mo–99mTc generators. Sodd VJ, et al. **Health Phys** 30(2):179–82, Feb 76

Retention and skeletal dosimetry of injected 226Ra, 228Ra, and 90Sr in bealges. Lloyd RD, et al. **Radiat Res** 66(2):274–87, May 76

[Concentration of Sr90 and Cs–137 in leaf forage in several regions of Bulgaria] Vasilev V, et al. **Vet Med Nauki** 11(10):53–8, 1974 (Eng. Abstr.) **(Bul)**

[A new method for determination of Sr–89, Sr–90 and Y–90 in aqueous solution with the aid of liquid scintillation counting (author's transl)] Buchtela K, et al. **Int J Appl Radiat Isot** 26(6–7):333–8, Jun–Jul 75 (Eng. Abstr.) **(Ger)**

[Assorption of strontium–90 by krill] Tolkach VV, et al. **Dokl Akad Nauk SSSR** 227(3):632–4, 21 Mar 76 **(Rus)**

[Concentration of Sr90, Ra226 and Cs137 in radiochemical analysis] Tomilin IuA. **Gig Sanit** (5):80–1, May 76 **(Rus)**

DIAGNOSTIC USE

Strontium–85 profile counting in fractures of the tibial shaft. Puranen J, et al. **Acta Orthop Scand** 46(4):569–78, Sep 75

Use of 85Sr as an indicator of bone mineral replacement in dogs after disuse demineralization. Palmer HE, et al. **Aviat Space Environ Med** 47(1):17–9, Jan 76

Proceedings: Bone scanning using radioactive strontium and polyphosphates. Ross WM, et al. **Br J Radiol** 48(575):943–4, Nov 75

Reference sample method for cardiac output and regional blood flow determinations in the rat. Malik AB, et al. **J Appl Physiol** 40(3):472–5, Mar 76

Phosphatases XII. Isoenzymes of alkaline phosphatase and radionuclear investigation (85Sr) of patients with neoplastic affection of the skeleton. Štěpan J, et al. **Neoplasma** 22(2):201–10, 1975

[The correlation of striontium test with clinical and roentgeno ogical finding in patients with plasmocytoma (author's transl)] Sedláčková M, et al. **Cesk Radiol** 30(3):192–8, May 76 (Eng. Abstr.) **(Cze)**

[Bone scintigraphy with 87mStrontium in Sudeck's bone dystrophy] Kutzner J, et al. **Strahlentherapie [Sonderb]** 74:357–60, 1975 **(Ger)**

[Strontium–85 in differential diagnosis of bone neoplasms in children and adolescents] Ternovoĭ SK. **Ortop Travmatol Protez** (5):61–5, May 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Turnover of 65Zn and 82Sr in growing rats. A comparative investigation. Wing KR. **Acta Radiol [Ther] (Stockh)** 14(1):1–24, Feb 75

[Quantitative study of total body retention and local uptake of strontium 85 and technectium pyrophosphate in bone pathology] Robillard J, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:559–62, 1975 **(Fre)**

[Comparative investigations of osteotropic isotopes. i animal experiments on the uptake of 18f, 85sr and 99mtc–ehdp (author's transl)] Creutzig H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):137–43, Aug 75 **(Ger)**

[Influence of some substances on the absorption of radioactive strontium by bone crystals. I] Golutvina MM, et al. **Biol Nauki** (8):47–50, 1975 **(Rus)**

[The effect of several substances on the absorption of radioactive strontium by bone crystals. II] Golutvina MM, et al. **Biol Nauki** (11):48–53, 1975 **(Rus)**

[The nature of processes transpiring during absorption of strontium radioisotopes by bone crystals. Sorption] Golutvina MM. **Biol Nauki** (3):35–9, 1976 **(Rus)**

[Effectiveness of some sorbents in decreasing the resorption of radioactive strontium in man] Il'in LA, et al. **Med Radiol (Mosk)** 21(2):42–9, Feb 76 (Eng. Abstr.) **(Rus)**

[Levels of Ca, Sr90 and Cs137 in the human placenta] Makarova VP, et al. **Radiobiologiia** 15(5):778–80, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

URINE

Influence of oestrogen on the excretion of strontium–90 and –85 in mice. Rönnbäck C, et al. **Acta Radiol [Ther] (Stockh)** 14(5):485–96, Oct 75

STROPHANTHIDIN see under **STROPHANTHINS**

STROPHANTHINS

[Experimental heart muscle necorses in the rat after administration of l-noreadrenaline and strophanthin. Light- and electron microscopic studies (author's transl)] Kreisen U, et al. **Virchows Arch [Pathol Anat]** 367(1):47–57, 23 Jun 75 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Proceedings: Experimentally induced myocardial necrosis in premedication with strophanthin] Raute-Kreinsen U, et al. **Verh Dtsch Ges Pathol** 59:567, 1975 **(Ger)**

ANALOGS & DERIVATIVES

The effects of acetylstrophanthidin on the response of the AV junction to adrenergic stimulation studied in dogs. Porlier GA, et al. **Am Heart J** 91(4):475–83, Apr 76

ANALYSIS

[Study of certain species of Indian hemp as sources of K-strophanthin-beta and cymarine] Kiselev VP, et al. **Farmatsiia** 24(4):39–42, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Use of densitometry for the quantitative determination of the cardiac glycosides in 'Corglycon' and 'K-strophanthin' preparations] Georgievskii VP, et al. **Farm Zh** (5):84–5, Sep–Oct 75 **(Ukr)**

DIAGNOSTIC USE

[The effect of strophanthin following administration of homocardiac antigen to animals with experimental myocardial infarct] Gatsura VV, et al. **Biull Eksp Biol Med** 79(5):89–92, May 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Strophanthin K extraction with organic solvents] Vlasenko LM, et al. **Farmatsiia** 24(1):75–6, Jan–Feb 75 **(Rus)**

METABOLISM

[Affinity of g-strophantin for the cardiac glycoside receptor of human myocardial cell membranes] Erdmann E. **Verh Dtsch Ges Inn Med** 81:820–3, 1975 **(Ger)**

PHARMACODYNAMICS

The entity of non occlusive mesenteric ischemia: strophanthin effect on mesenteric blood flow in experimental animals. Schmidt-Hieber W, et al. **Acta Hepatogastroenterol (Stuttg)** 23(1):47–52, Feb 76

Letter: Nervous system and inotropic effect of digitalis in dogs. Gillis RA, et al. **Am J Cardiol** 38(3):397–8, Sep 76

Influence of essential phospholipids (EPL) in chronically alcoholized rats on reactivity of the heart to strophanthin. Lawczyński L. **Arch Immunol Ther Exp (Warsz)** 23(6):841–3, 1975

Cardiac uptake of adriamycin (NSC-124127) not affected by strophanthin G (NSC-25485). Bachur NR, et al. **Cancer Chemother Rep** 59(4):765–5, Jul–Aug 75

The effects of tension on acetylstrophanthidin-induced transient depolarizations and aftercontractions in canine myocardial and Purkinje tissues. Ferrier GR. **Circ Res** 38(3):156–62, Mar 76

Glycoside inotropy in the absence of an increase in potassium efflux in the rabbit heart. Poole-Wilson PA, et al. **Circ Res** 37(3):390–5, Sep 75

Cardiotonic site directed irreversible inhibition of Na+ + K+-ATPase by 3-azidoacetylstrophanthidin, a photochemical analogue of strophanthidin. Tobin T, et al. **Eur J Pharmacol** 35(1):69–76, Jan 76

Rate of onset of cardiotonic steroid-induced inotropism: influence of temperature and beat interval. Park MK, et al. **J Pharmacol Exp Ther** 195(1):140–50, Oct 75

Electromechanical studies on the inotropic effects of acetylstrophanthidin in ventricular muscle. Greenspan AM, et al. **J Physiol (Lond)** 253(2):357–84, Dec 75

Strophanthidin effects on extracellular K+ and electrogenic pumping in the cuneate nucleus. Krnjević K, et al. **J Physiol (Lond)** 250(1):36P–37P, Aug 75

Correlation of the electrophysiological and mechanical changes in the dog heart during digitalis administration, and the effect of potassium on it. Watanabe H, et al. **Jpn Heart J** 16(6):731–40, Nov 75

Myocardial responses to acetylstrophanthidin during veratrum alkaloid refractoriness. Gilmore JP, et al. **Proc Soc Exp Biol Med** 151(1):1–6, Jan 76

On the mechanisms underlying digitalis toxicity in cardiac Purkinje fibers. Vassalle M, et al. **Recent Adv Stud Cardiac Struct Metab** 9:355–76, 1976

[Effect of strophanthin on intestinal blood flow. A contribution to the physiopathology of hemorrhagic enteropathy] Brobmann GF, et al. **Langenbecks Arch Chir** Suppl:291–5, 1975 (Eng. Abstr.) **(Ger)**

[The effect of strophantin on the mesenterial arteries (pathogenesis of non-occlusive disease). Correlation of angiomorphometric and hemodynamic measurements in the animal model] Strecker EP, et al. **Vasa** 4(4):391–6, 1975 (Eng. Abstr.) **(Ger)**

[Experimentally induced heart muscle fiber necroses after premedication with strophanthin (author's transl)] Raute-Kreinsen U, et al. **Virchows Arch [Pathol Anat]** 370(2):141–50, 3 May 76 (Eng. Abstr.) **(Ger)**

[Effect of some adrenergic substances on the cumulative effect of strophanthin] Gendenshtein EI, et al. **Biull Eksp Biol Med** 80(8):69–71, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of strophanthin on cardiac proteins in myocardial infarct] Fetisova TV, et al. **Vrach Delo** (11):26–30, Nov 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Check to myocardial infarct] Köhler U. **ZFA (Stuttgart)** 52(21):1103–4, 31 Jul 76 **(Ger)**

[Antiarrythmic effect of cardiac glycosides in chronic ischemic heart disease] Syrkin AL, et al. **Kardiologiia** 15(7):67–9, Jul 75 **(Rus)**

[Effect of treatment with strophanthin K of chronic cardiac insufficiency in patients with mitral valve defect, living in the mountain area] Iusupova NIa. **Zdravookhr Kirg** (5):16–20, Sep–Oct 75 **(Rus)**

TOXICITY

[Effect of ether-oxygen anesthesia and of the premedication agents on the toxicity and cardiotonic effect of strophanthin] Gatsura VV, et al. **Farmakol Toksikol** 38(5):568–71, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of polarizing mixture on the toxicity and cardiotonic effect of strophanthin] Gatsura VV, et al. **Kardiologiia** 15(8):83–7, Aug 75 (Eng. Abstr.) **(Rus)**

STRUCTURE-ACTIVITY RELATIONSHIP

Structure-basicity and structure-affinity relationships of beta-adrenergic blocking agents. Fernández B, et al. **Acta Physiol Lat Am** 25(1):45–51, 1975

Commentary. The role of structure-activity studies in the design of antitumor agents. Cain BF. **Cancer Chemother Rep** 59(4):679–83, Jul–Aug 75

Predicting biological effect as a function of the chemical structure and the primary physical and chemical properties of organic compounds. Andreyeshcheva NG. **Environ Health Perspect** 13:27–30, Feb 76

Substructural analysis in drug design. Berkoff CE, et al. **Experientia** suppl 23:41–4, 1976

Relationships among activity coefficients, partition coefficients and solubilities. Boček K. **Experientia** suppl 23:231–40, 1976

Hansch analysis in a series of substances with antifungal activity. Druckrey E, et al. **Experientia** suppl 23:59–63, 1976

Quantum pharmacology and quantitative structure-activity relationships: a brief review. Joyner JC, et al. **Experientia** suppl 23:13–23, 1976 (94 ref.)

Molecular orbital predictions of properties influencing biological phenomena. Kier LB. **Experientia** suppl 23:151–60, 1976

Relationships between some biological and physico-chemical properties in a series of derivatives of trimepranol (1-(2,3,5-trimethyl-4-acetoxyphenoxy)-3-isopropylamino Rejholec V, et al. **Experientia** suppl 23:115–7, 1976

Some comments on possible types of analogy models in the study of relations between chemical structure and biological activity. Wold S. **Experientia** suppl 23:87–96, 1976

Fixed enzymes, application of the study of protein structure and function. pp. 299–316. Royer GP. **In: Weetall HH, Suzuki S, ed. Immobilized enzyme technology. New York, Plenum Press, 1975. TP 248.E5 S471i 1974.**

General approaches to structure activity relationships illustrated by recent data on angiotensin II. pp. 29–38. Fromageot P, et al. **In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.**

A method of structure-activity correlation using Wiswesser Line Notation. Adamson GW, et al. **J Chem Inf Comput Sci** 15(4):215–20, Nov 75

Evaluation of an empirical structure-activity relationship for property prediction in a structurally diverse group of local anaesthetics. Adamson GW, et al. **J Chem Soc [Perkin I]** (2):168–72, 1976

Pattern recognition. Classification of therapeutic agents according to pharmacophores. Cammarata A, et al. **J Med Chem** 19(6):739–48, Jun 76

Quantitative structure-activity relationships among steroids. Investigations of the use of steric parameters. Coburn RA, et al. **J Med Chem** 19(6):748–54, Jun 76

On the use of Fibonacci searches in structure-activity studies. Deming SN. **J Med Chem** 19(7):977–8, Jul 76

On the structure of medicinal chemistry. Hansch C. **J Med Chem** 19(1):1–6, Jan 76

Use of high-pressure liquid chromatography for quantitative structure-activity relationship studies of sulfonamides and barbiturates. Henry D, et al. **J Med Chem** 19(5):619–26, May 76

Application of SCAP to drug design. 1. Prediction of octanol-water partition coefficients using solvent-dependent conformational analyses. Hopfinger AJ, et al. **J Med Chem** 19(5):569–73, May 76

Quantitative structure-activity studies on monoamine oxidase inhibitors. Johnson CL. **J Med Chem** 19(5):600–5, May 76

Molecular connectivity. 4. Relationships to biological activities. Kier LB, et al. **J Med Chem** 18(12):1272–4, Dec 75

Quantitative structure-activity relationships. 1. The modified Free-Wilson approach. Kubinyi H, et al. **J Med Chem** 19(5):578–86, May 76

Quantitative structure-activity relationships. 2. A mixed approach, based on Hansch and Free-Wilson Analysis. Kubinyi H. **J Med Chem** 19(5):587–600, May 76

Dependence of hydrophobicity of apolar molecules on their molecular volume. Leo A, et al. **J Med Chem** 19(5):611–5, May 76

Molecular connectivity. 6. Examination of the parabolic relationship between molecular connectivity and biological activity. Murray WJ, et al. **J Med Chem** 19(5):573–8, May 76

The role of anionic, imidic, and amidic forms in structure-activity relationships. Correlation of electronic indices and bacteriostatic activity in sulfonamides. Rastelli, et al. **J Med Chem** 18(10):963–7, Oct 75

Non-computer approach to structure-activity study. An expanded Fibonacci search applied to structurally diverse types of compounds. Santora NJ, et al. **J Med Chem** 18(10):959–63, Oct 75

Molecular orbital theory in carcinogenesis research. Scribner JD. **J Natl Cancer Inst** 55(5):1035–8, Nov 75

Quantitative structure-activity relationships of D- and L-N-acyl-alpha-aminoamide ligands binding to chymotrypsin. On the problem of combined treatment of stereoisomers. Yoshimoto M, et al. **J Org Chem** 41(13):2269–73, 25 Jun 76

Letter: Predicted compounds--alleged biological activity. Rachlin AI. **J Pharm Sci** 65(3):IV, Mar 76

Quantitative structure-activity correlation of optical isomers: a molecular basis for Pfeiffer's rule. Lien EJ, et al. **Mol Pharmacol** 12(4):598–604, Jul 76

Structure-taste relationship of some sweet-tasting dipeptide esters. Brussel LB, et al. **Z Lebensm Unters Forsch** 159(6):337–43, 30 Dec 75

[MASCA-model of the biochemical-pharmacological drug research/part 1: Principle of the univariate structure-activity relationship and definitions of physico-chemical parameters (author's transl)] Mager PP. **Arzneim Forsch** 25(7):1006–8, Jul 75 **(Ger)**

[MASCA-model of the biochemical-pharmacological drug research. Part 3: Structure-activity relationships and KANORA (author's transl)] Mager PP. **Arzneim Forsch** 25(9):1355–6, Sep 75 **(Ger)**

[MASCA-model of the biochemical-pharmacological drug research/ part 4: Structure-activity relationships and MANOVA (author's transl)] Mager PP. **Arzneim Forsch** 25(10):1475–6, Oct 75 (Eng. Abstr.) **(Ger)**

[MASCA-model of the biochemical-pharmacological drug research / part 5: Structure-activity relationships and MACOVA (author's transl)] Mager PP. **Arzneim Forsch** 25(11):1745, Nov 75 **(Ger)**

[MASCA-model of biochemical-pharmacological drug research. Part 6: Structure-activity relationship and bio-oscillations (author's transl)] Mager PP. **Arzneim Forsch** 25(12):1864–5, 1975 (Eng. Abstr.) **(Ger)**

[MASCA-Model of biochemical-pharmacological drug research/part 7: Computing scheme for the MASCA-model (author's transl)] Mager PP. **Arzneim Forsch** 26(1):26–8, 1976 (Eng. Abstr.) **(Ger)**

[MASCA-model of biochemical-pharmacological drug research/Part VIII: Examples (author's transl)] Mager PP. **Arzneim Forsch** 26(2):185–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Regression analysis of structure-activity relationships (Hansch-analysis)] Druckrey E. **Pharm Unserer Zeit** 4(5):145–50, Sep 75 **(Ger)**

[Current problems in effective-substance research. 9. Parameter-free methods for the structure-activity analysis] Gäbler E, et al. **Pharmazie** 31(1):1–14, 1976 (39 ref.) **(Ger)**

[Relationship between chemical constitution and antigerm effect. 29. Fungistatic efficiency of 2-ethylphenols] Müller U, et al. **Pharmazie** 31(4):247–50, Apr 76 **(Ger)**

[A quantitative structure-activity analysis based on quantum statistical derivations] Schwarz G, et al. **Pharmazie** 30(12):805–6, 1975 **(Ger)**

['De novo substituent constants' in the study of quantitative structure-activity relationship] Grieco C, et al. **Farmaco [Sci]** 31(8):607–26, Aug 76 (Eng. Abstr.) **(Ita)**

['Polymerism' of the antigen molecule as a factor determining the character of the immunogenic action] Liashenko VA. **Zh Mikrobiol Epidemiol Immunobiol** (6):3–11, Jun 76 (90 ref.) **(Rus)**

STRUMA OVARII

[Struma ovarii. Report of 10 cases and review of the world literature] Gómez Arzapalo E, et al. **Ginecol Obstet Mex** 39(232):91–100, Feb 76 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Ascites and hydrothorax in association with struma ovarii. Hurlow RA, et al. **Br J Surg** 63(2):110–2, Feb 76

PATHOLOGY

[Malignant ovarian struma in pseudomucinous cystadenoma] Dobiáš J. **Cesk Patol** 11(4):204–9, Nov 75 (Eng. Abstr.) **(Cze)**

[Case of ovarian tumor] Motoi N, et al. **Jpn J Clin Pathol** 23(8):625–7, Aug 75 **(Jpn)**

STRYCHNINE

Strychnine convulsions in cockerels. Ookawa T. **Poult Sci** 55(3):1146–8, May 76

[Transformations of strychnine in altered chloroform solutions (author's transl)] Turkovic I. **J Pharm Belg** 31(3):277–86, May–Jun 76 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Synthesis and convulsant effects of 2- and 3-substituted strychnine derivatives. Bohlin L, et al. **Acta Pharm Suec** 12(5–6):461–6, 1975

Mechanism of action of some bitter-tasting compounds on frog taste cells. Akaike N, et al. **Jpn J Physiol** 26(1):29–40, 1976

ANALYSIS

High-performance liquid chromatographic determination of strychnine in grain baits.l Bushway RJ, et al. **J Assoc Off Anal Chem** 58(5):957–60, Sep 75

Gas–liquid chromatographic determination of strychnine in grain baits. Hanks AR, et al. **J Assoc Off Anal Chem** 58(5):961–4, Sep 75

ANTAGONISTS & INHIBITORS

[Protective effects of N-(hydroxy-2-ethyl) cinnamamide (LCB 29) on rats spinal cord. II. Histoautoradiographic study (author's transl)] Wegmann R, et al. **Ann Histochim** 20(1):1–13, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effects of some antagonists of the inhibitory transmitters on the bioelectric activity of the retinal cells. Belcheva S, et al. **Agressologie** 15(7):461–9, 1974

Ontogeny of behavioral sensitivity to strychnine in the chick embryo: evidence for the early onset of CNS inhibition. Oppenheim RW, et al. **Brain Behav Evol** 11(2):130–59, 1975

Electrophysiological actions of convulsants and anticonvulsants on neurons of the leech subesophageal ganglion. Kleinhaus AL. **Comp Biochem Physiol [C]** 52(1):27–34, 1 Oct 75

Spontaneous bioelectric activity of cultured Purkinje cells during exposure to glutamate, glycine, and strychnine. Gähwiler BH. **J Neurobiol** 7(2):97–107, Mar 76

Facilitation of the long term memory store with strychnine: a reexamination. Gordon WC, et al. **Pharmacol Biochem Behav** 3(6):967–72, Nov–Dec 75

Proceedings: The effect of dopamine on strychnine-induced convulsions in young chicks. Osuide G, et al. **West Afr J Pharmacol Drug Res** 2(1):73P–74P, Jun 75

The effect of strychnine on membrane properties of spinal motoneurons in the cat. Lee KC, et al. **Yonsei Med J** 16(2):1–28, 1975

[Neurophysiological mechanisms of the action of stimulators on the memory] Krauz VA. **Farmakol Toksikol** 38(2):138–41, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the interaction of physostigmine salicylate and strychnine nitrate with iodine] Suprun PP. **Farmatsiia** 24(5):73–5, Sep–Oct 75 **(Rus)**

[Effectiveness of pharmacological preparations in physical exertion] Gordeicheva NV, et al. **Kosm Biol Aviakosm Med** 9(5):6–10, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Cortical diffusion characteristics of seizure induced in the horm of Ammoni: II. Chemical stimulation] Azanza MF, et al. **Rev Med Univ Navarra** 18(1–2):11–23, Mar–Jun 74 (Eng. Abstr.) **(Spa)**

[Effects of atropine and stryhnine on the cough] Jiménez-Vargas J, et al. **Rev Med Univ Navarra** 17(3):165–83, Sep 73 (Eng. Abstr.) **(Spa)**

POISONING

Sympathetic cardiovascular effects of experimental strychnine poisoning in dogs. Sofola OA, et al. **J Pharmacol Exp Ther** 196(1):29–34, Jan 76

[2 cases of strychnine poisoning] Vermeer GA. **Ned Tijdschr Geneeskd** 120(23):999–1001, 5 Jun 76 **(Dut)**

STUART FACTOR see **FACTOR X**

STUART-PROWER FACTOR see **FACTOR X**

STUDENT DROPOUTS

The adolescent with a learning problem. Experience and insight with delinquent boys. Faigel GC. **Acta Paediatr Scand [Suppl]** (256):56–9, 1975

Organizational and sociological factors affecting attrition in collegiate schools of nursing. Hegarty WH. **Int J Nurs Stud** 12(4):217–22, 1975

After they leave: the psychological readjustment of former West Point cadets. Barry JS, et al. **J Am Coll Health Assoc** 24(2):80–3, Dec 75

College dropouts in a psychiatric outpatient department. Werman DS, et al. **J Am Coll Health Assoc** 24(4):239–41, Apr 76

An attempt to predict graduation from medical school. Gough HG, et al. **J Med Educ** 50(10):940–50, Oct 75

Retention by sex and race of 1968–1972 U.S. medical school entrants. Johnson DG, et al. **J Med Educ** 50(10):925–33, Oct 75

'No shows' in a master of science in nursing program: they helped us improve our selection process! Denman LM. **J Nurs Educ** 15(5):3–6, Sep 76

What becomes of medical students: the dark side. Thomas CB. **Johns Hopkins Med J** 138(5):185–95, May 76

Reducing attrition in an AD program. Montgomery JA, et al. **Nurs Outlook** 24(1):49–51, Jan 76

A short interview as an assessment of student health and potential. Bragan K, et al. **NZ Med J** 83(559):152–4, 10 Mar 76

Relationship of drug involvement to dropping out of college. Kahn M, et al. **Psychol Rep** 37(3 PT 2):1095–8, Dec 75

[Editorial: Why do dental students finish their studies?] **Nor Tannlaegeforen Tid** 86(3):91, Mar 76 **(Nor)**

[School failures and their situation outside of school] Hauge R. **Tidsskr Nor Laegeforen** 95(29):1642–5, 20 Oct 75 (Eng. Abstr.) **(Nor)**

[Psychiatric disorders as an obstacle to a normal academic life] Gerard K, et al. **Psychiatr Pol** 10(2):165–72, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Student's academic failure and drop out in chilean medical schools (author's transl)] Venturini G, et al. **Rev Med Chil** 103(12):846–58, DEC 75 (Eng. Abstr.) **(Spa)**

STUDENT HEALTH SERVICES

A college contraceptive clinic. Andrews SW. **Am J Nurs** 76(4):592–3, Apr 76

Conspiracy of silence: psychiatric counseling with students at high risk for academic failure. Kuehn JK, et al. **Am J Psychiatry** 132(11):1207–9, Nov 75

Student mental health services and departments of psychiatry. Reifler CB, et al. **Am J Psychiatry** 133(8):967–9, Aug 76

Editorial: Student counselling. **Br Med J** 1(6010):605–6, 13Mar 76

Community mental health and the community college. Biegnowski AC, et al. **Community Ment Health J** 11(3):286–94, Fall 75

A mental health interaction program in a community college. Diamond MD, et al. **Community Ment Health J** 12(2):145–50, Summer 76

Psychiatric consultation and social work at a secondary school for Eskimo, Indian, and Aleut students in Alaska. pp. 517–25. Harvey EB. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Guidelines on short term continuing education programs for college and university health nurse practitioners. **J Am Coll Health Assoc** 24(1):44–8, Oct 75

Group mental health consultation with college dormitory counselors. Some pitfalls and suggestions gleaned from a two-year experience. Averbach IJ. **J Am Coll Health Assoc** 24(4):211–7, Apr 76

University mental health professionals and the avoidance of the family. Babineau R. **J Am Coll Health Assoc** 24(2):75–9, Dec 75

The treatment of academic underachievement. Baker HS. **J Am Coll Health Assoc** 24(1):4–7, Oct 75

Closing the health information gap in a university student community by telephone access to taped health messages. Bartlett MH, et al. **J Am Coll Health Assoc** 24(5):301–6, Jun 76

The nurse-midwife in the college health sexuality setting. Boekelheide PD, et al. **J Am Coll Health Assoc** 24(1):1–3, Oct 75

Peer counseling for sex related concerns: a case study of a service in a college medical setting. Brandenburg JB. **J Am Coll Health Assoc** 24(5):294–300, Jun 76

The health service and gay students. Brown DF. **J Am Coll Health Assoc** 24(5):272–3, Jun 76

Go to health. Case C. **J Am Coll Health Assoc** 24(5):274–5, Jun 76

'Free money' special financing of a health center program from a previously unused financial source. Cooper TY. **J Am Coll Health Assoc** 24(3):132–3, Feb 76

Allergy 'shots' on campus: rationale and procedures. Dawson JB. **J Am Coll Health Assoc** 23(5):365–09, Jun 75

Long on ideas, short on money: a creative approach to health services in a two-year college. Fernald EF. **J Am Coll Health Assoc** 24(3):136–8, Feb 76

Medical cost analysis of a defined population using a mixed delivery system. Goldman B, et al. **J Am Coll Health Assoc** 24(3):122–7, Feb 76

Do student health services discriminate against women: a survey of services in the U.S. medical schools. Howell MC, et al. **J Am Coll Health Assoc** 23(5):359–63, Jun 75

Program objectives and student outcomes in health education. Hurster MM, et al. **J Am Coll Health Assoc** 24(5):320–22, Jun 76

The college health-practice preceptorship in the training of physician's assistants. Johnson DD. **J Am Coll Health Assoc** 24(2):98–9, Dec 75

The helping network: reactions and actions stimulated by students' acute mental illness in a university community. Jones F, et al. **J Am Coll Health Assoc** 24(4):198–202, Apr 76

An interdisciplinary, crisis-oriented graduate training program within a student health service mental health clinic. Kapp RA, et al. **J Am Coll Health Assoc** 23(5):340–4, Jun 75

Variables in patient satisfaction with medical care. King SH, et al. **J Am Coll Health Assoc** 24(2):100–5, Dec 75

The relationship of the health service to environmental health and safety services. Koertge HH. **J Am Coll Health Assoc** 24(4):249–50, Apr 76

The university health service and the community mental health center: an example of a successful relationship. Lewis PL, et al. **J Am Coll Health Assoc** 24(4):235–8, Apr 76

The uniform reporting program. Mansfield SJ. **J Am Coll Health Assoc** 24(3):128–31, Feb 76

Health insurance and urban college students. Marshall CP, et al. **J Am Coll Health Assoc** 24(3):134–5, Feb 76

A pilot program for determining potential risk factors for cardiovascular disease in college males. Mattmiller ED, et al. **J Am Coll Health Assoc** 23(5):353–5, Jun 75

Mental health services for students – cost benefit and value. Michels R, et al. **J Am Coll Health Assoc** 24(4):208–10, Apr 76

A five-year study of prevention of scuba-diving morbidity in a university training program. Nemiroff MJ, et al. **J Am Coll Health Assoc** 24(2):95–7, Dec 75

Effects of presenting symptom and therapist orientation on treatment outcome. A follow-up study of brief therapy with college students. Nigl AJ, et al. **J Am Coll Health Assoc** 24(4):203–7, Apr 76

Individual versus group: brief treatment outcome in a university mental health service. Rockwell WJ, et al. **J Am Coll Health Assoc** 24(4):186–90, Apr 76

The student health board—a valuable asset. Rogers AK. **J Am Coll Health Assoc** 24(5):264–7, Jun 76

College mental health consultation: A case study. Schwartz AJ, et al. **J Am Coll Health Assoc** 24(3):163–6, Feb 76

Group experience for nonpatient undergraduates with difficulties in making decisions. Schwartz L, et al. **J Am Coll Health Assoc** 24(4):195–7, Apr 76

Student involvement in health. Simches SA. **J Am Coll Health Assoc** 24(5):259–60, Jun 76

Student health advisory committees—an overview of a vehicle for student participation in student health programs. Taft BH. **J Am Coll Health Assoc** 24(5):261–3, Jun 76

The anonymous telephone call: making a molehill out of a mountain. Thorn JP. **J Am Coll Health Assoc** 24(4):242–4, Apr 76

The formation of a student emergency medical services corps at Amherst College. Vayer JS, et al. **J Am Coll Health Assoc** 24(1):13–4, Oct 75

A comparative study of the members and nonmembers of a prepaid pediatric health care plan for children of university students. Wild PB. **J Am Coll Health Assoc** 24(3):139–45, Feb 76

We are important, too: report on a growth group experiment for student wives. Wilson J, et al. **J Am Coll Health Assoc** 23(5):350–2, Jun 75

Psychotherapy sabotage revisited: the better half of individual psychotherapy. Anchor KN, et al. **J Clin Psychol** 32(1):146–8, Jan 76

Presenting problems of students at a university psychological clinic. Horenstein D. **J Clin Psychol** 32(2):379–84, Apr 76

Staff and student perceptions of a student health service. Pashley BW, et al. **J R Coll Gen Pract** 25(160):845–51, Nov 75

Social change in the West Germany university and new methods of student care. Sperling E. **Ment Health Soc** 1(5–6):261–4, 1974

Community medicine: screening for rubella on a university campus. McKusick MJ. **Postgrad Med** 59(3):200, 202, 204–5, Mar 76

Changes in patterns of psychological disturbance among college students. Jacob T, et al. **Psychol Rep** 37(3 PT 2):1267–70, Dec 75

[Preventive trend in the organization of health care of foreign students at the Lumumba's University] Gubová AI, et al. **Cesk Zdrav** 23(12):522–3, Dec 75 **(Cze)**

[Rational dispensarization of Prague medical students] Jirout K. **Cesk Zdrav** 24(5):233–9, May 76 (Eng. Abstr.) **(Cze)**

[Fate of 1000 student patients hospitalized between 1956 and 1966: catammestic survey] Peraud MC, et al. **Ann Med Psychol (Paris)** 1(1):1–50, Jan 75 **(Fre)**

[Main tasks of the preventive health service for students in the German Democratic Republic] Ruppert R. **Aerztl Jugendkd** 66(3):221–7, Sep 75 **(Ger)**

[Organization and preliminary results in the field of preventive health care for student of the Pavia University] Tenconi MT, et al. **Aerztl Jugendkd** 66(3):279–81, Sep 75 **(Ger)**

[The dental care for students] Landeck E, et al. **Stomatol DDR** 26(1):36–40, Jan 76 (Eng. Abstr.) **(Ger)**

[Planned dental treatment of university students in Gdansk in the years 1970–1973] Jacennik B, et al. **Czas Stomatol** 28(8):817–20, Aug 75 (Eng. Abstr.) **(Pol)**

[Certain data on the state of health of students of the Voronezh Medical Institute] Furmenko IP, et al. **Zdravookhr Ross Fed** (1):33–6, Jan 76 **(Rus)**

[University crisis and student psychiatric service] Perdomo, et al. **Acta Psiquiatr Psicol Am Lat** 21(1):24–7, Mar 75 (Eng. Abstr.) **(Spa)**

[Psychiatric care of the student population] Morales JC. **Rev Neuropsiquiatr** 38(2):106–18, Jun 75 (Eng. Abstr.) **(Spa)**

HISTORY

[The protection of students' health in Lublin during the 30 years of Polish People's Republic (author's transl)] Kozak J. **Ann Univ Mariae Curie Sklodowska [Med]** 30:233–44, 1975 (Eng. Abstr.) **(Pol)**

MANPOWER

Patient acceptance of the nurse practitioner. Experience in a university health service. Scott SR. **J Am Coll Health Assoc** 23(5):364, Jun 75

STANDARDS

Assessing the quality of medical care in ambulatory settings. Huntley RR, et al. **J Am Coll Health Assoc** 24(3):146–9, Feb 76

Efficiency and quality of college health care--The protocol approach. Kaufman SA, et al. **J Am Coll Health Assoc** 24(3):154–8, Feb 76

Assessing quality of care in a university health service using the tracer method. McBride TC, et al. **J Am Coll Health Assoc** 24(3):150–3, Feb 76

SUPPLY & DISTRIBUTION

The paucity of mental health services and programs in community colleges: implications of a survey. Amada G. **J Am Coll Health Assoc** 23(5):345–9, Jun 75

The student health scene in Europe in the mid 70s. Chase PB. **J Am Coll Health Assoc** 24(5):313–7, Jun 76

Student health advocates: a program for extending health services to UCLA students. Habibi M, et al. **J Am Coll Health Assoc** 24(5):283–5, Jun 76

UTILIZATION

Problems of mental illness among Makerere University students with special reference to the period 1970–1973. Cox JL, et al. **East Afr Med J** 52(11):615–8, Nov 75

Very brief interventions - a pilot evaluation. Dorosin D, et al. **J Am Coll Health Assoc** 24(4):191–4, Apr 76

Counseling center and psychiatric service - who uses each, what happens? Frank AC, et al. **J Am Coll Health Assoc** 24(4):221–6, Apr 76

Patterns of utilization of health services by college women; their reasons for seeking gynecological services, and levels of satisfaction with their last gynecological visit. Needle RH. **J Am Coll Health Assoc** 24(5):307–12, Jun 76

Distance and the utilization of a student health center. Van Dort BE, et al. **J Am Coll Health Assoc** 24(3):159–62, Feb 76

What patients want from counseling and psychotherapy. Saccuzzo DP. **J Clin Psychol** 31(3):471–5, Jul 75

STUDENT LOANS see under **TRAINING SUPPORT**

STUDENTS

Reaching the hard-to-reach: illicit drug use among high school absentees. Kandel D. **Addict Dis** 1(4):465–80, 1975

Abortion attitudes among Catholic college students. Bardis PD. **Adolescence** 10(39):433–41, Fall 75

Group influences on the decisions of selected secondary school students. Gifford VD, et al. **Adolescence** 10(39):369–72, Fall 75

Cooperative relations between secondary teachers and students: some behavioral strategies. Jensen RE. **Adolescence** 10(40):469–82, Winter 75

The threat of new ideas: a values clarification lesson. Olmo B. **Adolescence** 10(39):456–62, Fall 75

A directional analysis of peer status scores in a racially integrated residential high school for the disadvantaged. Gruber JJ. **Am Correct Ther J** 29(5):158–64, Sep–Oct 75

Normative and parametric analyses of school maladjustment. Lorion RP, et al. **Am J Community Psychol** 3(4):291–301, Dec 75

The impact of peer pressure on the verbally expressed drug attitudes of male college students. Shute RE. **Am J Drug Alcohol Abuse** 2(2):231–43, 1975

Toxoplasma antibody prevalence in veterinary personnel and a selected population not exposed to cats. Sengbusch HG, et al. **Am J Epidemiol** 103(6):595–7, Jun 76

Students' rights. Pollok CS, et al. **Am J Nurs** 76(4):600–3, Apr 76

Contraceptive knowledge and practice among undergraduates at a Canadian university. Munz D, et al. **Am J Obstet Gynecol** 124(5):499–505, 1 Mar 76

Promising prospects: students choosing therapy as a career. Holmstrom EI. **Am J Occup Ther** 29(10):608–14, Nov–Dec 75

The frequency of suicide attempts: a retrospective approach applied to college students. Mishara BL, et al. **Am J Psychiatry** 133(7):841–4, Jul 76

Growing up dead: student suicide. Hendin H. **Am J Psychother** 29(3):327–38, Jul 75

Cultural conceptions, mental disorders and social roles: a comparison of Germany and America. Townsend JM. **Am Sociol Rev** 40(6):739–52, Dec 75

Content analysis of verbal communication between spinal cord injured and nondisabled male college students. Mesch JC. **Arch Phys Med Rehabil** 57(1):25–30, Jan 76

Premarital sexual attitudes of unmarried university students: 1968 vs. 1972. Bauman KE, et al. **Arch Sex Behav** 5(1):29–37, Jan 76

Injuries to the mouth and teeth in an undergraduate population. Lees GH, et al. **Br Dent J** 140(3):107–8, 3 Feb 76

Patterns of use of alcohol, cannabis and tobacco in a student population. Einstein R, et al. **Br J Addict** 70(2):145–50, Jun 75

Prevalence of self-reported drug use among London undergraduates. Somekh D. **Br J Addict** 71(1):79–88, Mar 76

University students: attainment and sport. Hendry LB, et al. **Br J Educ Psychol** 45(3):299–306, Nov 75

Personality differences between both intended and actual social sciences and engineering majors. Horn JM, et al. **Br J Educ Psychol** 45(3):293–8, Nov 75

Boredom at school. Robinson WP. **Br J Educ Psychol** 45(2):141–52, Jun 75

Personality, mode of assessment and student achievement. Rowell JA, et al. **Br J Educ Psychol** 45(2):232–6, Jun 75

Decision rules for teaching strategies in primary schools: personality-treatment interactions. Trown EA, et al. **Br J Educ Psychol** 45(2):130–40, Jun 75

Long range effects of father's loss: the cognitive complexity of bereaved children and their school adjustment. Lifshitz M. **Br J Med Psychol** 49(2):189–97, Jun 76

School phobia in the children of agoraphobic women. Berg I. **Br J Psychiatry** 128:86–9, Jan 76

The outcome of adolescent school phobia. Berg I, et al. **Br J Psychiatry** 128:80–5, Jan 76

Quantity conceptions in university students: another look. Rowell JA, et al. **Br J Psychol** 67(1):1–10, Feb 76

Contraceptive practice and unplanned pregnancy among single university students. Cole JB, et al. **Br Med J** 4(5990):217–9, 25 Oct 75

Letter: Student counseling. Crown S. **Br Med J** 1(6014):901, 10 Apr 76

A test of the poor leader-member relation cells of the contingency model on elementary school children. Hardy RC. **Child Dev** 46(4):958–64, Dec 75

Hypertension in adolescents. A significantly high prevalence among students attending an inner city school. deCastro FJ, et al. **Clin Pediatr (Phila)** 15(1):24–6, Jan 76

Effectiveness of college students in an incentive community program for chronic hospitalized patients. Bergman JS. **Community Ment Health J** 12(2):192–202, Summer 76

Student mental health and the general practitioner. **Drug Ther Bull** 13(25):99–100, 5 Dec 75

'Experience statements' of Alaskan native high school students. pp. 525–30. Bloom J, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Drug use among white and American Indian high school youth. Cockerham W. **Int J Addict** 11(2):209–20, 1976

Polydrug use by high-school students: involvement and correlates. Kamali K, et al. **Int J Addict** 11(2):337–43, 1976

Social-psychological correlates of drug use among Colombian university students. Marin G. **Int J Addict** 11(2):199–207, 1976

Some correlates of drug use among high school youth in a Midwestern rural community. Tolone WL, et al. **Int J Addict** 10(5):761–77, 1975

A study of nursing student values. O'Neill MF. **Int J Nurs Stud** 12(3):175–81, 1975

Psychological unevenness in the academically successful student. Ogden TH. **Int J Psychoanal Psychother** 5:437–47, 1976

Teacher race, student race, and the Behavior Problem Checklist. Eaves RC. **J Abnorm Child Psychol** 3(1):1–9, 1975

Classroom seating and psychopathology: some initial data. Gur RC, et al. **J Abnorm Psychol** 85(1):122–4, Feb 76

Effects of daytime naps on performance and mood in a college student population. Taub JM, et al. **J Abnorm Psychol** 85(2):210–7, Apr 76

Success neurosis in college seniors. Roulet NL. **J Am Coll Health Assoc** 24(4):232–4, Apr 76

Premarital sexual behavior and sociocultural factors of college students: A comparison of two Eastern universities. Sorensen AA, et al. **J Am Coll Health Assoc** 24(3):169–74, Feb 76

Health related concerns of college students. Werner A. **J Am Coll Health Assoc** 24(5):276–82, Jun 76

Dental health: what is being taught to college students. Freed JR, et al. **J Am Dent Assoc** 92(5):940–5, May 76

A weight control program for students using diet and behavior therapy. Sloan CL, et al. **J Am Diet Assoc** 68(5):466–8, MAY 76

Venereal disease prevention and a selected group of college students. Yarber WL, et al. **J Am Vener Dis Assoc** 2(2):17–24, Dec 75

A brief review of classroom group-oriented contingencies. Litoe L, et al. **J Appl Behav Anal** 8(3):341–7, Fall 75 (96 ref.)

Physique and socio-economic variables in university girls. Dann TC, et al. **J Biosoc Sci** 8(1):61–8, Jan 76

Personal concerns and manifest anxiety in black students. Wen SS, et al. **J Clin Psychol** 32(1):64–6, Jan 76

Frequency of depression in the freshman year as measured in a random sample by a retrospective version of the Beck Depression Inventory. Bosse JJ, et al. **J Consult Clin Psychol** 43(5):746–7, Oct 75

Personal history of psychological stress related to locus of control orientation among college women. Bryant BK, et al. **J Consult Clin Psychol** 44(2):266–71, Apr 76

Social attitudes and sexual behaviors of college students. Joe VC, et al. **J Consult Clin Psychol** 43(3):430, Jun 75

Effects of a companion program on college student volunteers and mental patients. Shipley RH. **J Consult Clin Psychol** 44(4):688–9, Aug 76

Effects of nonpathological sex role stereotypes on student evaluations of psychiatric patients. Zeldow PB. **J Consult Clin Psychol** 44(2):304, Apr 76

Sex role stereotypes and teacher evaluations. Harris MB. **J Educ Psychol** 67(6):751–6, Dec 75

Cognitive and personality characteristics of high school students as predictors of the way they are rated by their teachers: a longitudinal study. Laosa LM, et al. **J Educ Psychol** 67(6):866–72, Dec 75

Effects of trait and state anxiety on the performance of elementary school children in traditional and individualized multiage classrooms. Papay JP, et al. **J Educ Psychol** 67(6):840–6, Dec 75

Interrelationship of study skills and personality variables in college students. Rutkowski K, et al. **J Educ Psychol** 67(6):784–9, Dec 75

Comparative levels of creative ability in black and white college students. Glover JA. **J Genet Psychol** 128(First Half):95–9, Mar 76

An exploratory study of the interaction of cognitive complexity, dogmatism, and repression-sensitization among college students. Starbird DH, et al. **J Genet Psychol** 128(2):227–32, Jun 76

Student drug use: a re-examination of the 'hang-loose ethic' hypothesis. Thomas CW, et al. **J Health Soc Behav** 16(1):63–73, Mar 75

Peer evaluation of applicants to medical school. Leape LL, et al. **J Med Educ** 51(7 Pt 1):586–8, Jul 76

Student evaluations of professors: are they of value? Rippey RM. **J Med Educ** 50(10):951–8, Oct 75

A 'Careers in Medicine Seminar' for secondary school students. Rodgers GE, et al. **J Med Educ** 51(2):136–8, Feb 76

Value change during the first year of training: a comparison of medical, nursing, and social work students. Webb N, et al. **J Med Educ** 51(5):427–8, May 76

Self-derogation and defense style in college students. Rios-Garcia LR, et al. **J Pers Assess** 39(3):273–81, Jun 75

Masculinity-femininity in creative college women. Suter B, et al. **J Pers Assess** 39(4):414–20, Aug 75

The modal personality of urban black middle-class elementary school children. Shade BJ. **J Psychol** 92(Second Half):267–75, Mar 76

Survey of dental needs and estimated cost of dental care of a disadvantaged university population. Ferguson FS, et al. **J Public Health Dent** 36(3):188–92, Summer 76

Knowledge, behavior, and attitudes of sixth-grade students toward family life education. Maxeiner BA, et al. **J Sch Health** 46(2):81–5, Feb 76

Attitudes toward homosexuality among West Indian male and female college students. Brown M, et al. **J Soc Psychol** 97(Second Half):163–8, Dec 75

Changes in authoritarianism associated with university residence in the Arab Middle East. Diab LN, et al. **J Soc Psychol** 97(Second Half):155–62, Dec 75

Self-disclosure and stress among Middle-Eastern university students. Starr PD. **J Soc Psychol** 97(First Half):141–2, Oct 75

Sex-role adjustment and drinking disposition of women college students. Parker FB. **J Stud Alcohol** 36(11):1570–3, Nov 75

Intestinal parasites in University of Dacca students. Muttalib MA, et al. **J Trop Med Hyg** 78(10–11):224–6, Oct–Nov 75

Schizophrenia and academic performance. Kadri ZN. **Med J Malaysia** 29(4):250–7, Jun 75

Unrest and the personal concerns of college students. Werner A, et al. **Ment Health Soc** 1(5–6):284–91, 1974

MR knowledge of undergraduate and graduate students. Hill PM, et al. **Ment Retard** 14(3):26–8, Jun 76

Color preferences of art students: surface colors: II. Götz KO, et al. **Percept Mot Skills** 41(1):271–8, Aug 75

Color preferences, extraversion, and neuroticism of art students. Götz KO, et al. **Percept Mot Skills** 41(3):919–30, Dec 75

Differences in creativity among homogeneous groups of students using the Torrance Test of creative Thinking and the Welsh Figure Preference Test. Helwig LD. **Percept Mot Skills** 41(2):491–4, Oct 75

Correlation between visual disembedding and basketball shooting by male and female varsity college athletes. Pargman D, et al. **Percept Mot Skills** 41(3):956, Dec 75

Two studies of personality: male graduate students in physical education. Ruffer WA. **Percept Mot Skills** 41(1):187–91, Aug 75

Nutrient intake of students in two different types of residences. Hagger DL. **Proc Nutr Soc** 34(3):119A, Dec 75

The Chinese student--acculturation and mental illness. Bourne PG. **Psychiatry** 38(3):269–77, Aug 75

Two patterns of adaptation in late adolescent borderline personalities. Slavin MO, et al. **Psychiatry** 39(1):41–50, Feb 76

Epidemic hysteria in Malaysian schools: an illustrative episode. Teoh JI, et al. **Psychiatry** 38(3):258–68, Aug 75

Test anxiety and the economic recession. Bronzaft AL, et al. **Psychol Rep** 38(3 Pt 2):1211–5, Jun 76

MMPI profiles of cohabiting college students. Catlin N, et al. **Psychol Rep** 38(2):407–10, Apr 76

Instructions for three levels of reward and creativity test scores of college students. Cox RS, et al. **Psychol Rep**

38(2):411–4, Apr 76
Congruent self–concepts and psychological health of college students. Doyle JA. **Psychol Rep** 38(3 Pt 2):1257–8, Jun 76
Effects of sex, birth order, target's relationship and target's sex on self–disclosure by college students. Lord CG, et al. **Psychol Rep** 37(3 PT 2):1167–70, Dec 75
Identification of reinforcement for talking–out in the classroom. Ross JA, et al. **Psychol Rep** 38(2):363–7, Apr 76
Free association anxiety and hostility: view from a junior high school. Silbergeld S, et al. **Psychol Rep** 37(2):495–504, Oct 75
On different relationships between dogmatism and Machiavellianism among male and female college students. Steininger M, et al. **Psychol Rep** 38(3 pt. 1):779–82, Jun 76
Nine–year cross–sectional study of change in self–concepts of college freshmen. Vidoni DO. **Psychol Rep** 38(2):675–8, Apr 76
Moral thinking in male elementary pupils as reflected by perception of basketball rules. Jantz RK.
Res Q Am Assoc Health Phys Educ 46(4):414–21, Dec 75
Perceived personality impressions in student acceptance and rejection interaction patterns in the classroom. Peretti PO.
Res Q Am Assoc Health Phys Educ 46(4):457–62, Dec 75
Objectives of physical education expressed as needs by university students. Weick K.
Res Q Am Assoc Health Phys Educ 46(3):385–8, Oct 75
Comparison of the personality traits of female teacher education and physical education students. Widdop JH, et al. **Res Q Am Assoc Health Phys Educ** 46(3):274–81, Oct 75
Effects of recommendations on dietary intake in physically disabled students. Hagman U, et al.
Scand J Rehabil Med 7(4):171–5, 1975
On the association of sex and violence in the fantasy production of college students. Gelles RJ. **Suicide** 5(2):78–85, Summer 75
Exposure to Br abortus in veterinary undergraduates and graduates. Cayton HR, et al. **Vet Rec** 97(23):447–9, 6 Dec 75
Letter: Student selection in the veterinary schools. Davidson AP. **Vet Rec** 97(19):377–8, 8 Nov 75
Variola minor in Braganca Paulista County, 1956. Flow of the epidemic through the schools of the county. Pederneiras CA, et al. **Zentralbl Bakteriol [Orig B]** 160(2):180–90, Mar 75
[Clinical epidemiological study of the absentees in an elementary school. First report: The effect of immediate home visit on improving the absenteeism] Hsu CC.
J Formosan Med Assoc 74(11):718–27, Nov 75 (Eng. Abstr.) **(Chi)**
[Adaptive behavior of competent adolescents. The art of facing preparation for college] Silber E, et al.
Psychiatr Enfant 18(2):525–48, 1975 **(Fre)**
[The advantages and limitations of questionnaire surveys. Reflexions on a study of leisure activities of high school students] Canonne F, et al. **Rev Neuropsychiatr Infant** 22(10–11):665–76, Oct–Nov 74 (Eng. Abstr.) **(Fre)**
[Family milieu, social habits and aspirations of students using and not using drugs] Lamontagne Y, et al.
Union Med Can 104(6):889–97, Jun 75 (Eng. Abstr.) **(Fre)**
[Profile of the college and the health status of students] Belousov AZ, et al. **Aerztl Jugendkd** 66(3):228–31, Sep 75 **(Ger)**
[Housing and care for students in student homes in the German Democratic Republic] Korneli P, et al.
Aerztl Jugendkd 66(3):265–8, Sep 75 **(Ger)**
[The necessity for health education of students in the light of a poll among dialectic cadres of the polytechnical college in Warsaw] Mandrowska I. **Aerztl Jugendkd** 66(3):276–8, Sep 75 **(Ger)**
[Growth trends of college students in Czechoslovakia during 1951–1971] Prokopec M, et al. **Aerztl Jugendkd** 66(3):246–50, Sep 75 **(Ger)**
[Living conditions od a selected group of college students] Provazniková H, et al. **Aerztl Jugendkd** 66(3):258–60, Sep 75 **(Ger)**
[Spare time of college students] Vančurová E, et al.
Aerztl Jugendkd 66(3):251–3, Sep 75 **(Ger)**
[The consumption of drugs, tobacco and alcohol among the grammar–school students in Mannheim. A representative inquiry at the grammar–schools in Mannheim and Buchen/Odenwald] Bieringer GM, et al. **Med Welt** 27(35):1643–7, 27 Aug 76 **(Ger)**
[Students no longer a risk–group for pulmonary tuberculosis (author's transl)] Hoefer W. **Oeff Gesundheitswes** 38(1):15–22, Jan 76 (Eng. Abstr.) **(Ger)**
[Alcohol among school students in the Mettmann region (author's transl)] Malhotra MK. **Oeff Gesundheitswes** 38(4):226–45, Apr 76 (Eng. Abstr.) **(Ger)**
[Experiences with the drug scene in schools] Wiethaler L.
Oeff Gesundheitswes 37(1 Suppl):54–60, Feb 75 **(Ger)**
[A study of the risk of tuberculous infection in the student population of Göttingen University 1955–1985 (author's transl)] Hoefer W. **Prax Pneumol** 30(4):230–4, Apr 76 (Eng. Abstr.) **(Ger)**
[Individual access to pupils during the pedagogical process] Kukura J, et al. **Z Gesamte Hyg** 20(11):809–12, Nov 74 (Eng. Abstr.) **(Ger)**
[Our experiences with the use of group methods for the study of functional changes in pupils during the school day] Mikletič T. **Z Gesamte Hyg** 20(4):256–9, Apr 74 (Eng. Abstr.) **(Ger)**
[Incidence of abnormal binocular vision in college students] Sobańska M, et al. **Klin Oczna** 46(5):507–10, May 76 (Eng. Abstr.) **(Pol)**
[Student opinion poll, taken from among selected Warsaw colleges on the subject of psychiatric disorders and psychiatry in general] Welbel S, et al. **Psychiatr Pol** 9(6):597–604, Nov–Dec 75 (Eng. Abstr.) **(Pol)**
[Analysis of th functional state of the biorhythmic aspect of students] Doskin VA, et al. **Gig Sanit** (5):50–4, May 76 (Eng. Abstr.) **(Rus)**
[Diurnal dynamics of the functional state of the nervous system in students of occupational–technical secondary schools] Fokina NS, et al. **Gig Sanit** (5):45–50, May 76 (Eng. Abstr.) **(Rus)**
[Influence of the daily regime on the functional state of the organism of students of a secondary professional technical school being trained in the specialty of turner] Khramtsova AD. **Gig Sanit** (11):36–40, Nov 75 (Eng. Abstr.) **(Rus)**
[Hygienic substantiation of the rationalization and planning of a teaching process] Krivoruchko TS, et al. **Gig Sanit** (5):47–50, May 75 (Eng. Abstr.) **(Rus)**
[Some data on the complex evaluation of the functional state of the body of vocational–technical school students] Sarkisiants EE, et al. **Gig Sanit** (6):36–40, Jun 76 (Eng. Abstr.) **(Rus)**
[The effect of certain factors on the progress of students] Verezhnikova AV, et al. **Gig Sanit** (5):107–8, May 75 **(Rus)**
[The dynamics of the working capacity and physiological indices of senior course students during a semester] Zadorozhyni BV. **Gig Sanit** (5):45–7, May 75 (Eng. Abstr.) **(Rus)**
[Physiological rhythms and hypertensive states in students] Bal' LV, et al. **Sov Med** (4):137–41, Apr 75 (Eng. Abstr.) **(Rus)**
[Diets for students of professional–technical secondary schools situated in zones of endemic goiter] Eremin IuN, et al. **Vopr Pitan** (2):54–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[The relationship between emotional tension and different circumstances surrounding examinations] Volkind NIa.
Zh Vyssh Nerv Deiat 25(6):1181–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

STUDENTS, DENTAL

How the student views the National Board of Dental Examiners: should there be a change? Vann WF Jr.
Ala J Med Sci 13(2):154–7, Apr 76
The oral health of a group of dental students. Stoner JE.
Aust Dent J 20(6):384–7, Dec 75
Editorial: Student admissions. **Br Dent J** 139(5):159–60, 2 Sep 75
Letter: Student admissions. **Br Dent J** 139(10):386–7, 18 Nov 75
Letter: Student admissions. **Br Dent J** 139(12):455, 16 Dec 75
Letter: Elective schemes for dental undergraduates. Adams D. **Br Dent J** 139(10):385–6, 18 Nov 75
Letter: Student admissions. Anderson DJ. **Br Dent J** 139(7):262, 7 Oct 75
An elective scheme for dental undergraduates. Anderson RJ, et al. **Br Dent J** 139(5):185–6, 2 Sep 75
Letter: The selection of dental students. Cutler R.
Br Dent J 140(1):5, 6 Jan 76
The selection of dental students. A pilot study of an assessment of potential manula ability by psychometric tests. Deubert LW, et al. **Br Dent J** 139(5):167–70, 2 Sep 75
The selection of dental students. A pilot study of an assessment of manual ability by practical tests. Deubert LW, et al. **Br Dent J** 139(9):357–61, 4 Nov 75
Letter: Student admissions. Tranter TC. **Br Dent J** 139(11):420, 2 Dec 75
Student–hospital–school. A new amalgam. Roistacher SL, et al. **Dent Clin North Am** 19(4):693–702, Oct 75
The dilemma of dental school admissions: a possible solution. Barkley RF. **J Am Coll Dent** 43(2):119–26, Apr 76
Letter: Student payback—loan? **J Am Dent Assoc** 91(6):1140–1, Dec 75
Financial situation of dental students: an interview with Harry W. Bruce. Bruce HW, et al. **J Am Dent Assoc** 92(5):862–6, May 76
Editorial: Don't go to sleep on the student payback issue. Butts HC. **J Am Dent Assoc** 91(3):489, Sep 75
Development of mercury hypersensitivity among dental students. White RR, et al. **J Am Dent Assoc** 92(6):1204–7, Jun 76
Survey of pedodontic graduate student interests: 1975–1976. Walker JD, et al. **J Dent Child** 43(2):114–8, Mar–Apr 76
Student participation in community dental health programs: the experience at SUNY at Buffalo. Bissell GD.
J Dent Educ 39(8):517–21, Aug 75
Editorial: The student financial assistance dilemma. Bruce HW. **J Dent Educ** 39(10):643–4, Oct 75
Facilitating the transition to dental school. Canfield RC, et al. **J Dent Educ** 40(5):269–71, May 76
Impact of class environment on Machiavellianism and leadership, interpersonal need, and life–style orientations of dental students. DiMarco N, et al. **J Dent Educ** 40(6):340–4, Jun 76
Actively involving students in a dental hygiene curriculum. Dunbar SY. **J Dent Educ** 40(6):362–3, Jun 76
Evaluation of the time spent in learning from a programed text, a slide–tape, and a lecture at six dental schools. Emling RC, et al. **J Dent Educ** 40(8):559–61, Aug 76
Educational value of a university–sponsored community dental clinic: a three year student evaluation. Freed JR.
J Dent Educ 40(2):93–8, Feb 76
A survey of extramural experiences for dental students. Gardiner JF, et al. **J Dent Educ** 39(8):530–4, Aug 75
Current teaching techniques in dental radiology: a survey of dental schools. Hake TH. **J Dent Educ** 40(9):622, Sep 76
Academic vocational experiences for predental students. Heckmann RA. **J Dent Educ** 40(9):623–4, Sep 76
Prediction of post–freshman year dental student performance. Houston JB, et al. **J Dent Educ** 39(10):647–50, Oct 75
Deriving clinical performance standards. Hunter HG, et al.
J Dent Educ 39(10):651–7, Oct 75
Continuous–progress education: III. Student self–evaluation and peer evaluation. Jacobs RM, et al. **J Dent Educ** 39(8):535–41, Aug 75
Influence of instructional methods on student achievement and attitude in an introductory endodontic course. Kampfe LV, et al. **J Dent Educ** 40(8):556–8, Aug 76
Early and late student performance on written tests. Kraal JH. **J Dent Educ** 40(9):622–3, Sep 76
An examination model for monitoring clinical competency in operative dentistry. Livaditis GJ, et al. **J Dent Educ** 40(9):617–21, Sep 76
An application of contract grading. Logan NS, et al.
J Dent Educ 39(10):666–9, Oct 75
A learner–centered approach to dental education. Lutz BL.
J Dent Educ 39(12):778–81, Dec 75
'Social sensitivity' and admissions. Malvitz DM.
J Dent Educ 40(6):345–8, Jun 76
Preventive dentistry in action in a dental college. Moore DS.
J Dent Educ 40(6):349–54, Jun 76
Colorado's tuition policy: admissions filter or distant thunder? Pearlman S. **J Dent Educ** 39(12):774–7, Dec 75
Recruitment into dentistry: the results of a recent national study of dental education in Canada. Reid AE.
J Dent Educ 40(3):158–65, Mar 76
Comparison of personal values among freshman and senior dental students and dental faculty. Silberman SL.
J Dent Educ 40(6):334–9, Jun 76
'Contract' agreements in management learning experiences for senior dental students. Simpson RB, et al.
J Dent Educ 40(9):609–12, Sep 76
Motives to enter the dental profession: students, practitioners, faculty. Wittemann JK, et al. **J Dent Educ** 40(5):265–8, May 76
Plaque, gingivitis and dental aptitude test scores of dental students. Polgar RL, et al. **J Periodontol** 47(2):79–81, Feb 76
Undergraduate education: survey of attitudes of senior dental students. Aborn PS. **J Prosthet Dent** 35(1):21–2, Jan 76
Recruiting students for advanced education programs in prosthodontics. Brewer AA. **J Prosthet Dent** 35(1):43–6, Jan 76
An evaluation of the University of Minnesota summer rural dental externship program. McMillan WB, et al.
J Public Health Dent 35(4):260–5, Fall 75
A school dental program utilizing student dentists. Shmarak KL, et al. **J Sch Health** 46(2):106–8, Feb 76
Letter: An exchange of opinion. Friesz RH. **NY J Dent** 45(8):258–9, Oct 75
Women dental students. Van Stewart A, et al.
NY J Dent 45(8):267–9, Oct 75
Attitude testing of dental school applicants. Rationale for an additional criterion for dental school consideration. Kurtzman C. **R Soc Health J** 96(1):3–5, Feb 76
[Editorial: Why do dental students finish their studies?]
Nor Tannlaegeforen Tid 86(3):91, Mar 76 **(Nor)**
[Attitudes to prophylaxis viewed in a seminar for dental students] Skogedal O. **Nor Tannlaegeforen Tid** 86(5):196–9, May 76 **(Nor)**

STUDENTS, HEALTH OCCUPATIONS

Student selectron of field work experience. Bohr PC.
Am J Occup Ther 29(8):500–1, Sep 75
Training of foreign students in speech pathology–audiology in U.S. colleges and universities. Curlee RF, et al.
ASHA 17(10):737–9, Oct 75
Opinion on nursing. Part III. Social work students. Bergman R, et al. **Int Nurs Rev** 23(1):15–24, Jan–Feb 76
Weight control program for university students conducted by nutrition seniors. Musgrave KO, et al.
J Am Diet Assoc 68(5):462–6, MAY 76
President's message. Residency genesis: the important role of APSA. Graham JR. **J Am Podiatry Assoc** 65(11):1041–2, Nov 75
Cognitive differences between health science students and a rural population. Barton SN, et al. **J Med Educ** 50(12 Pt1):1120–1, Dec 75
Recruiting and retaining minority students in health sciences training programs. Sayles JH. **J Natl Med Assoc** 67(5):378–80, Sep 75
Letter: Student membership. Sandner NL. **Phys Ther** 56(5):597–8, May 76
Predicting clinical performance of radiologic technology students. Ballinger PW. **Radiol Technol** 47(6):364–71, May–Jun 76
Counseling in radiologic technology programs. Warner SL.

Radiol Technol 47(2):79–81, Sep–Oct 75
[Tuberculosis among employees and students in health care] Bodlund O. **Lakartidningen** 72(47):4630, 19 Nov 75 **(Swe)**

STUDENTS, MEDICAL

Improvement of faculty teaching performance in a department of obstetrics and gynecology by student evaluation. Sall S, et al. **Am J Obstet Gynecol** 124(3):217–21, 1 Feb 76
Psychiatry's image today: Results of an attitudinal survey. West ND, et al. **Am J Psychiatry** 132(12):1318–9, Dec 75
Facilitating ego mastery in brief psychotherapy with medical students. Binder JL, et al. **Am J Psychother** 29(4):575–92, Oct 75
On getting kicked out of medical school. Schwartz BJ, et al. **Am J Psychother** 28(4):574–83, Oct 74
Survey of psychiatric treatment effectiveness in a medical student clinic. Werman DS, et al. **Am J Psychother** 30(2):294–302, Apr 76
Introducing A.M.S.A. Reed K. **Ariz Med** 33(1):51, Jan 76
The sleep habits, personality and academic performance of medical students. Johns MW, et al. **Br J Med Educ** 10(3):158–62, May 76
Influence of personality on achievement of medical students. Lipton A, et al. **Br J Med Educ** 9(4):215–22, Dec 75
Editorial: Methods used by different countries and medical schools for selecting medical students. Walton HJ. **Br J Med Educ** 10(3):157, May 76
Student views on continuous assessment at Birmingham University Medical School. Cruickshank JK, et al. **Br Med J** 4(5991):265–7, 1 Nov 75
Letter: Student selection and internship. Slater JG. **Can Med Assoc J** 114(11):995, 5 Jun 76
Gems from the years, or to err is human. Wishart FO. **Can Med Assoc J** 113(7):616–7, 4 Oct 75
University of Nairobi medical student perceptions of deviant conditions and sick role incumbency. Kurtz RA. **East Afr Med J** 52(5):257–68, May 75
Student and trainee attitudes on aging. Burdman GD. **Gerontologist** 14(1):65–8, Feb 74
A group dynamics course for medical students. Golden JS, et al. **Int J Group Psychother** 25(3):305–13, Jul 75
Teaching psychosomatic medicine to medical students, residents and postgraduate fellows. Reichsman F. **Int J Psychiatry Med** 6(1–2):307–16, 1975
Therapeutic tutoring of retarded adolescents by medical students. Robinson LH. **J Am Acad Child Psychiatry** 15(2):343–56, Spring 76
Comparative study of male and female medical students at the University of Kentucky. Surawicz FG, et al. **J Am Med Wom Assoc** 31(5):205–10, May 76
A comparison of structural examination findings obtained by experienced physician examiners and student examiners on hospital patients. Kappler RE, et al. **J Am Osteopath Assoc** 75(5):528–9, Jan 76
Comparison of experienced and inexperienced interviewers on objectively scored interview behavior. Dudley WH, et al. **J Clin Psychol** 32(3):690–7, Jul 76
Intellectual and attitudinal characteristics of medical students selecting family practice. Collins F, et al. **J Fam Pract** 2(6):431–2, Dec 75
Family practice forum: On minority student programs in medical schools. Smilkstein G. **J Fam Pract** 3(2):213, Apr 76
A study of social characteristics of chronic repeaters in medical examinations. Rao BS, et al. **J Indian Med Assoc** 65(4):103–6, 16 Aug 75
Medical student selection relative to physician manpower in Kentucky. Barton HB. **J Ky Med Assoc** 73(6):341–3, Jun 75
The characteristics of medical students and their views of the first year. Baird LL. **J Med Educ** 50(12 Pt1):1092–9, Dec 75
Some findings on career choice in general medicine in Yugoslavia. Barath A. **J Med Educ** 51(8):677–80, AUG 76
The effects of a demanding curriculum on student allocation of time. Davis WK, et al. **J Med Educ** 51(6):506–7, Jun 76
Study of U.S. medical school applicants, 1973–74. Dubé WF, et al. **J Med Educ** 50(11):1015–32, Nov 75
Datagram. Women enrollment and its minority component in U.S. medical schools. Dubé WF. **J Med Educ** 51(8):691–3, AUG 76
Problems and concerns among medical students—1975. Edwards MT, et al. **J Med Educ** 51(8):619–25, AUG 76
A comparison of two item-scoring procedures and student reactions to them. Essex DL. **J Med Educ** 51(7 Pt 1):565–72, Jul 76
Traditional criteria as predictors of minority student success in medical school. Evans DA, et al. **J Med Educ** 50(10):934–9, Oct 75
Letter: Reverse discrimination. Evans TE. **J Med Educ** 51(1):80–2, Jan 76
Teaching students the relationship between quality and cost of medical care. Garg ML, et al. **J Med Educ** 50(12 Pt1):1085–91, Dec 75
Medical student enrollment, 1971–72 through 1975–76. Gordon TL, et al. **J Med Educ** 51(2):144–6, Feb 76
Medical student enrollment, 1975–76. Gordon TL. **J Med Educ** 51(5):431–3, May 76
An attempt to predict graduation from medical school. Gough HG, et al. **J Med Educ** 50(10):940–50, Oct 75
What happens to creative medical students? Gough HG. **J Med Educ** 51(6):461–7, Jun 76
A formal procedure for the determination of internship preferences. Grochow LB, et al. **J Med Educ** 51(3):199–201, Mar 76
A longitudinal study of medical specialty choice and certainty level. Held ML, et al. **J Med Educ** 50(11):1044–51, Nov 75
Retention by sex and race of 1968–1972 U.S. medical school entrants. Johnson DG, et al. **J Med Educ** 50(10):925–33, Oct 75
Six years of experience with a summer program for minority students. Levine HG, et al. **J Med Educ** 51(09):735–42, Sep 76
A positive approach to the utilization of student feedback in medical education. Morris VD. **J Med Educ** 51(7 Pt 1):541–5, Jul 76
Comparison of faculty and patient opinions of performance by junior medical students. Munster AM. **J Med Educ** 50(12 Pt1):1129–30, Dec 75
Letter: Student evaluations. Palva IP. **J Med Educ** 51(3):215, Mar 76
Marital satisfaction as perceived by the medical student's spouse. Perlow AD, et al. **J Med Educ** 51(09):726–34, Sep 76
A couples group for medical students. Porter K, et al. **J Med Educ** 51(5):418–9, May 76
Letters to the editor: Minority students. Sayles JH. **J Med Educ** 50(12 Pt1):1146–7, Dec 75
Changes in interviewing styles of medical students. Scott NC, et al. **J Med Educ** 50(12 Pt1):1124–6, Dec 75
Loans for medical students: the issue of manageability. Weiler WC. **J Med Educ** 51(6):447–53, Jun 76
Pilot programs for minority students: one school's experience. Weymouth RJ, et al. **J Med Educ** 51(8):668–70, AUG 76
Following footsteps. Sutnick AI, et al. **J Med Soc NJ** 73(7):621–2, Jul 76
Cognitive and non-cognitive characteristics of minority medical school applicants. Dresden JH, et al. **J Natl Med Assoc** 67(4):321–3, Jul 75
Editorial: Decreasing numbers of black medical students. Smith EB. **J Natl Med Assoc** 68(1):73, Jan 76
Welsh National School of Medicine. Mounsey JP. **J R Coll Physicians Lond** 10(4):311–5, Jul 76
Physicians and alcoholics. The effect of medical training on attitudes toward alcoholics. Fisher JC, et al. **J Stud Alcohol** 36(7):949–55, Jul 75
Letter: No more discrimination. Batizy GA. **JAMA** 236(2):140, 12 Jul 76
What becomes of medical students: the dark side. Thomas CB. **Johns Hopkins Med J** 138(5):185–95, May 76
Letter: Maturity of medical students. Rabson SM. **Lancet** 1(7967):1021–1, 8 May 76
Student test type preference and its relation to personality and achievement. Huxham GJ, et al. **Med Educ** 10(2):90–6, Mar 76
The sleep habits, personality and academic performance of medical students. Johns MW, et al. **Med Educ** 10(3):158–62, May 76
Career decisions by medical students: a profile from India. Rao TV. **Med Educ** 10(4):284–9, Jul 76
Methods of attitude assessment for medical teachers. Rezler AG. **Med Educ** 10(1):43–51, Jan 76
Preclinical students' views on knowing cancer diagnosis: a data-based class exercise. Rippere V. **Med Educ** 10(4):264–8, Jul 76
Undergraduate general practice teaching in Australasian medical schools: the student viewpoint. Dickinson JA. **Med J Aust** 2(13):518–22, 27 Sep 75
Smoking habits among medical students in the University of Malaya. Pathmanathan I. **Med J Malaysia** 30(2):88–92, Dec 75
Letter: Medical education and minority students. **N Engl J Med** 295(5):291–5, 29 Jul 76
Sounding board: facts about minority students at Harvard Medical School. Ebert RH. **N Engl J Med** 294(25):1402–3, 17 Jun 76
Letter: Editor castigated. Jordan WC. **N Engl J Med** 295(8):455, 19 Aug 76
By the London Post. Bleak outlook–selection of medical students–lessons of doctors' industrial action. Lister J. **N Engl J Med** 294(22):1224–6, 27 May 76
Letter: Dress code for medical students. Parker K. **N Engl J Med** 293(16):833, 16 Oct 75
Letter: U.K. advice to U.S. medical students. Tobias JS. **N Engl J Med** 295(3):174–5, 15 Jul 76
A survey of the 'care-cure' attitudes of physicians, nurses and their students. Linn LS. **Nurs Forum** 14(2):145–59, 1975
A short interview as an assessment of student health and potential. Bragan K, et al. **NZ Med J** 83(559):152–4, 10 Mar 76
Letter: Physical fitness in New Zealand medical students. Schwartz PL. **NZ Med J** 82(549):245–6, 8 Oct 75
Educability in medicine: comparative performances of American students attending a domestic and a foreign medical school. Dworken HJ, et al. **Ohio State Med J** 72(8):490–2, AUG 76
The vulnerability of the medical student: posthumous presentation of L.L. Stephens' ideas. Werner ER, et al. **Pediatrics** 57(3):321–8, Mar 76
Coronary risk screening and evaluation: a learning exercise for medical students. Blackburn H, et al. **Prev Med** 4(4):579–90, Dec 75
The Todd commission's assumptions and proposals. Ellis J. **Proc R Soc Med** 68(8):495–9, Aug 75
Albert Wander Lecture. Motives in medicine. McCormick J. **Proc R Soc Med** 68(1):16–20, Jan 75
The changing numbers of women students. Winner DA. **Proc R Soc Med** 68(8):499–502, Aug 75
Premedical students' survivability and specialization: a social and psychological study. Manaster GJ, et al. **Psychol Rep** 39(1):35–45, Aug 76
The Brown medical student and the Rhode Island community. Aronson SM. **RI Med J** 58(10):417–8, Oct 75
Brown University program in medicine, class of 1976: some biographical observations. Aronson SM. **RI Med J** 59(5):206–8, 237, May 76
Can medical students do medical research? Dick WC, et al. **Scott Med J** 20(4):148, Jul 75
Short-term psychotherapy by medical students: its therapeutic effectiveness and its educational value. Teoh JI, et al. **Singapore Med J** 16(2):128–37, Jun 75
Medical student career choice: a conceptualization. Mitchell WD. **Soc Sci Med** 9(11–12):641–53, Nov–Dec 75
From 'boy' to 'colleague': processes of role transformation in professional socialization. Shuval JT. **Soc Sci Med** 9(8–9):413–20, Aug–Sep 75
Attitudinal changes in medical students taking a course in human values. Kepler MO, et al. **South Med J** 69(1):21–3, Jan 76
Smoking among medical students. Purvis JM, et al. **South Med J** 69(4):413–6, Apr 76
Medical school admission: it's not what it used to be. **Tex Med** 71(11):108–12, Nov 75
Preferences for family practice among entering medical students. Meyer GG, et al. **Tex Med** 72(3):86–90, Mar 76
Editorial: Mortality among medical students and young physicians. **W Va Med J** 72(3):66–7, Mar 76
A need for change in the method of selection of students for admission to the Faculty of Medicine. West ME. **West Indian Med J** 24(3):113–4, Sep 75
[Some reasons for the lack of student interest in the general practice] Barath A. **Lijec Vjesn** 97(12):663–8, Dec 75 (Eng. Abstr.) **(Cro)**
[State of health of Charles University Prague medical students in relation to compulsory physical training in the years 1960–1975 (author's transl)] Brandejský P. **Sb Lek** 78(5):141–6, May 76 (Eng. Abstr.) **(Cze)**
[Foreign students at the Prague Medical Faculty from 1883 to the end of world war I (author's transl)] Poláčková M. **Sb Lek** 77(10):313–9, Oct 75 (Eng. Abstr.) **(Cze)**
[Quebec students discuss some aspects of medicine] Lalonde C. **Can Med Assoc J** 114(12):1145–6, 19 Jun 76 **(Fre)**
[Desirable numbers of medical students, assistant professors and practitioners] Delachaux A, et al. **Rev Med Suisse Romande** 95(6):412–32, Jun 75 **(Fre)**
[Housing conditions of Erfurt medical students] Jalant W, et al. **Aerztl Jugendkd** 66(3):269–70, Sep 75 **(Ger)**
[The professional secrecy of medical students] Braun W. **Dtsch Med Wochenschr** 101(35):1298, 27 Aug 76 **(Ger)**
[Letter: Slection for the medical profession] Kreuser F. **Dtsch Med Wochenschr** 100(36):1813, 5 Sep 75 **(Ger)**
[Letter: Selection for the medical profession] Sachtleben P. **Dtsch Med Wochenschr** 100(33):1678–9, 15 Aug 75 **(Ger)**
[Scholastic knowledge in physics of medical students–beginners. 2 (Contd from issue 26/1975)] Blomer H. **Med Welt** 26(31–32):1434–6 concl, 8 Aug 75 **(Ger)**
[Physicians' discussions centered on conflict. Experience with a didactic group model with students (author's transl)] Elhardt S. **Munch Med Wochenschr** 117(32–33):1309–12, 8 Aug 75 (Eng. Abstr.) **(Ger)**
[Letter: Discussion and comment or the paper by H. Hinterhuber and H. Prokop: 'Psychial Problems and Psychical Vulnerability of University Students', (this J.46, 73–75 (1975))] Zwiebel R. **Nervenarzt** 46(11):662, Nov 75 **(Ger)**
[The attitude of medical students to concepts of social and preventive medicine] Müller HR. **Soz Praeventivmed** 20(1):11–3, Jan–Feb 75 (Eng. Abstr.) **(Ger)**
[Development of mental abilities in medical students] Börner H. **Z Aerztl Fortbild (Jena)** 69(21):1118–24, 1 Nov 75 **(Ger)**
[Data on the social psychology of becoming a physician (attitude among medical students at Szeged)] Iván S. **Orv Hetil** 117(29):1763–8, 18 Jul 76 **(Hun)**
[Dependence of the achievement of upper course medical institute students on the functional state of their bodies when the classes are variously organized] Litvinova IuA. **Gig Sanit** (4):34–7, Apr 76 (Eng. Abstr.) **(Rus)**
[Arterial pressure changes in medical institute students] Sautkin MF. **Gig Sanit** (4):112–4, Apr 76 **(Rus)**
[History of development of scientific students' societies at the medical schools and the role of Prof. A.A. Kisel' in their organization] Savvatimskaia NP. **Pediatriia** (7):71–2, Jul 75 **(Rus)**
[From the history of the struggle of students of the medical faculty of Moscow University against reaction in the years 1910–1916] Aleksandrovskii BN. **Sov Zdravookhr** (11):73–5, 1975 **(Rus)**
[Medical workers in the Soviet of Deputies in the period of the Revolution of 1905–1907 (on the 70th anniversary of the 1st Russian revolution)] Ianovskii AG. **Sov Zdravookhr** (6):69–73, 1975 **(Rus)**
[Medical companions–in–arms of K. S. Kalinovskii in the uprising of 1863–1864] Ignatovich FI. **Sov Zdravookhr** (8):74–7, 1975 **(Rus)**
[Experience in the study of the budgeting of the time of

students] Kovaleva AP. **Sov Zdravookhr** (4):49–54, 1975 (Eng. Abstr.) **(Rus)**

[Student scientific and technical creativity in a medical institute] Medvedskiĭ EN, et al. **Sov Zdravookhr** (12):26–9, 1975 **(Rus)**

[Students at the First Petersburg Women's Medical Institute in the 1st Russian revolution] Tikotin MA. **Sov Zdravookhr** (4):69–71, 1975 **(Rus)**

[Personality qualities of students and their susceptibility to certain cardiovascular diseases] Gaevskiĭ IuG, et al. **Ter Arkh** 47(7):128–32, 1975 (Eng. Abstr.) **(Rus)**

[Developing professional goals in students] Parshukov KV. **Voen Med Zh** (6):15–8, Jun 75 **(Rus)**

[Military and patriotic education of students] Riabov GA, et al. **Voen Med Zh** (5):65, 1976 **(Rus)**

[Effect of different complexes of physical exercises on the restoration of students' work capacity] Kosilov SA, et al. **Zdravookhr Kirg** (1):14–8, Jan–Feb 76 **(Rus)**

[Certain data on the state of health of students of the Voronezh Medical Institute] Furmenko IP, et al. **Zdravookhr Ross Fed** (1):33–6, Jan 76 **(Rus)**

[Communist indoctrination of medical students] Stovichek GV, et al. **Zdravookhr Ross Fed** (7):29–32, Jul 75 **(Rus)**

[History of the Society of Medical Students in Bratislava. 8. Before Munich] Tichý M, et al. **Bratisl Lek Listy** 64(1):101–8, Jul 75 **(Slo)**

[History of the society of Medical Students in Bratislava. 9. New situation] Tichý M, et al. **Bratisl Lek Listy** 64(2):238–47, Aug 75 **(Slo)**

[History of the Society of Medical Students in Bratislava. 10. National liberation movement] Tichý M, et al. **Bratisl Lek Listy** 64(4):496–506, Oct 75 **(Slo)**

[Statistical study of the results obtained in the qualification and selection test of the School of Medicine of Madrid during the 1972–75 period] Velasco Martin A. **An R Acad Nacl Med (Madr)** 93(1):59–85, 1976 **(Spa)**

[The attitude of medical students in relation to neurosurgery (author's transl)] Barberá J, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(191):1–5, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Analysis of the factors QEX and SEX in the evaluation of examination results (author's transl)] Barbera J, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(192):65–70, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

[Student's academic failure and drop out in chilean medical schools (author's transl)] Venturini G, et al. **Rev Med Chil** 103(12):846–58, DEC 75 (Eng. Abstr.) **(Spa)**

HISTORY

[History of the Society of Medical Students in Bratislava. 10. National liberation movement] Tichý M, et al. **Bratisl Lek Listy** 64(4):496–506, Oct 75 **(Slo)**

SUPPLY & DISTRIBUTION

U.K. Medical Students: Where do they come from—where do they go. Clawson DK. **J Ky Med Assoc** 73(11):615–6, Nov 75

The rural–urban distribution of medical school applicants. Cullison S, et al. **J Med Educ** 51(1):47–9, Jan 76

STUDENTS, NURSING

Sexuality — knowledge and attitudes. Lief HI, et al. **Am J Nurs** 75(11):2026–9, Nov 75

Female professional students and sexuality in the aging male. Pease RA. **Gerontologist** 14(2):153–7, Apr 74

Judging and reporting on student nurse clinical performance: some problems for the ward sister. Long P. **Int J Nurs Stud** 13(2):115–21, 1976

A study of nursing student values. O'Neill MF. **Int J Nurs Stud** 12(3):175–81, 1975

The critical incident technique in evaluating student nurse performance. Sims A. **Int J Nurs Stud** 13(2):123–30, 1976

Related social behaviors of students in different types of nursing education programs. Ventura MR. **Int J Nurs Stud** 13(1):3–10, 1976

Changes in the image of the nurse in Brazil. Barreira de Castro I, et al. **Int Nurs Rev** 23(2):43–7, Mar–Apr 76

Student nurse + continuity of care = quality care. Warnock FN, et al. **Int Nurs Rev** 23(5):148–9, Sep–Oct 76

Student nurse problems: the case of Mary Ellen Waters. Wood V. **Int Nurs Rev** 22(5):150–5, Sep–Oct 75

Student nurses and smoking. A survey. Burk MF, et al. **J Maine Med Assoc** 66(10):271–3, Oct 75

Changing nursing students' attitudes toward the aged: an experimental study. Heller BR, et al. **J Nurs Educ** 15(1):9–17, Jan 76

The attitudes of nursing students and others about mental illness. Morrison JK, et al. **J Psychiatr Nurs** 14(4):17–9, Apr 76

Changing student nurse attitudes towards quadriplegics by use of television. Sadlick M, et al. **Med Biol Illus** 25(3):129–32, Aug 75

A survey of the 'care–cure' attitudes of physicians, nurses and their students. Linn LS. **Nurs Forum** 14(2):145–59, 1975

Educational preparation for nursing—1975. Johnson WL. **Nurs Outlook** 24(9):568–73, Sep 76

Nursing students in a nursing home. Rocereto LR. **Nurs Outlook** 23(11):702–3, Nov 75

Men nursing students:how they perceive their situation. A student surveys his classmates. Rogness H. **Nurs Outlook** 24(5):303–5, May 76

Men nursing students: how they perceive their situation: conflict between expectations and reality. Schoenmaker A, et al. **Nurs Outlook** 24(5):298–303, May 76

Faculty and student perceptions of effective classroom teaching in nursing. Dixon JK, et al. **Nurs Res** 25(4):300–5, Jul–Aug 76

Effect of simulation gaming on attitudes toward mental illness. Godejohn CJ, et al. **Nurs Res** 24(5):367–70, Sep–Oct 75

An alcoholism training program: its effect on trainees and faculty. Gurel M. **Nurs Res** 25(2):127–32, Mar–Apr 76

Effect of acquisition of knowledge on self–evaluation and the relationship of self–evaluation to perception of real and ideal self–concept. Huckabay LM, et al. **Nurs Res** 25(4):244–51, Jul–Aug 76

Relationship between nurses' opinions about mental illness and experience. Kahn AM. **Nurs Res** 25(2):136–40, Mar–Apr 76

Selected factors associated with professional attitude of baccalaureate nursing students. Tetreault AI. **Nurs Res** 25(1):49–53, Jan–Feb 76

Guidance leaflets. **Nurs Times** 72(34):1315–6, 26 Aug 76

People who are training to be nurses. Bendall ER. **Nurs Times** 72(34):1317–9, 26 Aug 76

The work of UKCOSA (United Kingdom Council for Overseas Student Affairs). Bristow S. **Nurs Times** 72(34):1314–5, 26 Aug 76

Student nurses' reactions to cardiac arrest. Castledine G. **Nurs Times** 72(19):752–3, 13 May 76

Meet the British. Walsh S. **Nurs Times** 72(2):46–7, 15 Jan 76

[Selected problems concerning ideas of future career and family development among female nursing students at a medical school] Adam I, et al. **Z Gesamte Hyg** 21(11):843–5, 1975 (Eng. Abstr.) **(Ger)**

UTILIZATION

Making clinical assignments. Hogan R. **Nurs Outlook** 24(8):497, Aug 76

STUDENTS, PHARMACY

Expectations of female pharmacy students. Kirk KW, et al. **J Am Pharm Assoc** 15(11):622–3, 651, Nov 75

['Pathfinder' Circle of the Tomsk Pharmaceutical College] Shishikina IA. **Farmatsiia** 24(5):44–8, Sep–Oct 75 **(Rus)**

STUDENTS, PREMEDICAL

MCAT: selected examinee characteristics. Lane MS, et al. **J Med Educ** 51(6):521–3, Jun 76

Follow–up of minority premedical students attending summer enrichment programs in a medical setting. Bruhn JG, et al. **Tex Med** 72(8):87–96, Aug 76

STURGE–WEBER SYNDROME see under **ANGIOMATOSIS**

STUTTERING

Intersensory processing efficiency of fluent speakers and stutterers. Cohen MS, et al. **Br J Disord Commun** 10(2):111–22, Oct 75

Effects of four types of disfluency on listener reactions. Duffy RJ, et al. **Folia Phoniatr (Basel)** 27(2):106–15, 1975

Oral sensory–perceptual integrity of stutterers. Jensen PJ, et al. **Folia Phoniatr (Basel)** 27(1):38–45, 1975

The stigma of stuttering. pp. 297–300. Lerman JW, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.**

Some common problems in the design and conduct of experiments in stuttering. Adams MR. **J Speech Hear Disord** 41(1):3–15. Feb 76

Letter: Comment on 'stuttering frequency and the onset of phonation'. Young MA. **J Speech Hear Res** 18(3):600–2, Sep 75

[Stuttering] Alarcia J, et al. **Union Med Can** 104(6):897–903, Jun 75 (Eng. Abstr.) **(Fre)**

[Whole–body plethysmographic studies of stuttering: subglottal pressure measurements] pp. 251–6. Kittel G, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)**

[Four–dimensional descriptive model for the diagnosis and treatment of adolescent and adult stutterers] pp. 264–8. Kopf–Mehnert C, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)**

COMPLICATIONS

Dichotic ear preferences of stuttering children and adults. Sommers RK, et al. **Percept Mot Skills** 41(3):931–8, Dec 75

[Tetanic susceptibility in stutterers and chatterers] Laštovka M. **Cesk Otolaryngol** 25(1):36–40, Feb 76 (Eng. Abstr.) **(Cze)**

[EEG, cerebral damage and stuttering: results of studies of 500 children ranging in age from 5 to 14 years] pp. 427–31. Siegert C, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)**

DIAGNOSIS

Bilateral tachistoscopic word perception of stutterers and normal subjects. Moore WH Jr. **Brain Lang** 3(3):434–42, Jul 76

Stuttering repetitions in aphasic and nonaphasic brain damaged adults. Farmer A. **Cortex** 11(4):391–6, Dec 75

Judgments of stuttering severity as a function of type and locus of disfluency. Schiavetti N. **Folia Phoniatr (Basel)** 27(1):26–37, 1975

The prognosis of stuttering in schoolchildren. A 10–year longitudinal study. pp. 128–31. Fritzell B. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.**

Observer agreement for marking moments of stuttering. Young MA. **J Speech Hear Res** 18(3):530–40, Sep 75

How 'typical' is a stutterer's stuttering in a clinical environment? Silverman FH. **Percept Mot Skills** 40(2):458, Apr 75

DRUG THERAPY

The effect of haloperidol on stuttering. Rosenberger PB, et al. **Am J Psychiatry** 133(3):331–4, Mar 76 (Eng. Abstr.)

[Experience with haloperidol and thioridazine in stuttering children] Valdivieso A. **Rev Chil Pediatr** 45(6):509–11, 1974 **(Spa)**

ETIOLOGY

Stuttering as 'false alarm' responding. Sherrard CA. **Br J Disord Commun** 10(2):83–91, Oct 75

Stuttering symptoms: classes of behaviour. pp. 91–3. Damsté PH, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.**

Punishment and negative reinforcement of stuttering using electric shock. Martin R, et al. **J Speech Hear Res** 18(3):478–90, Sep 75

Effect of selected work attributes on preschoolers' speech disfluency: initial phoneme and length. Silverman EM. **J Speech Hear Res** 18(3):430–4, Sep 75

[Relation between speech development disorders and stuttering] pp. 21–3. Becker KP. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)**

METABOLISM

[Neurohumoral reactions in stutterers and stammerers] Chmelová A, et al. **Folia Phoniatr (Basel)** 27(4):283–6, 1975 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Letter: 'Onset, Prevalence, and Recovery from Stuttering': a reassessment of findings from the Andrews and Harris study. Ingham RJ. **J Speech Hear Disord** 41(2):280–1, May 76

PHYSIOPATHOLOGY

Stuttering, dichotic listening, and cerebral dominance. Brady JP, et al. **Arch Gen Psychiatry** 32(11):1449–52, Nov 75

Proceedings: Evoked potential correlates of cerebral dominance for speech perception in stutterers and non–stutterers. Ponsford RE, et al. **Electroencephalogr Clin Neurophysiol** 39(4):434, Oct 75

Cerebral processing of speech and non–speech signals by stutterers. pp. 384–8. Peters R, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.**

[Comparative studies of pulse by telemetry in stutterers] Brunner W, et al. **Folia Phoniatr (Basel)** 27(5):325–36, 1975 (Eng. Abstr.) **(Ger)**

[Effect of speaking on evoked vestibular nystagmus in stutterers] Langová J, et al. **Folia Phoniatr (Basel)** 27(4):287–91, 1975 (Eng. Abstr.) **(Ger)**

[Comparative electroencephalographic studies of stutterers on the basis of neurotic disorders and on the basis of organic lesions of the central nervous system] Beliakova LI. **Zh Nevropatol Psikhiatr** 75(12):1834–7, 1975 (Eng. Abstr.) **(Rus)**

THERAPY

Modification of oral reading disfluency by a paced reading procedure. II–An experimental evaluation. Haney RR. **Am Correct Ther J** 30(3):75–9, May–Jun 76

The efficacy of systematic desensitization via imagery as a therapeutic technique with stutterers. Burgraff RI. **Br J Disord Commun** 9(2):134–9, Oct 74

Automatic triggering of auditory feedback masking in stammering and cluttering. Dewar A, et al. **Br J Disord Commun** 11(1):19–26, Apr 76

Client impressions of the effectiveness of stuttering therapy. A comparison of two programs. Prins D, et al. **Br J Disord Commun** 9(2):123–31, Oct 74

Influence of reverberation on stuttering. Adamczyk B, et al. **Folia Phoniatr (Basel)** 27(1):1–6, 1975

Results of the treatment of severe forms of stuttering in adults. Novák A. **Folia Phoniatr (Basel)** 27(4):278–82, 1975

Correction effect in chorus speaking by stuttering people. pp. 2–6. Adamczyk B, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Behavioral assessment procedures for stutterers. pp. 234–9. Janssen P, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Effects of contingent events on stuttering and fluency. Lanyon RI, et al. **J Consult Clin Psychol** 43(6):786–93, Dec 75

Comparative psychotherapy: rational–emotive therapy versus systematic desensitization in the treatment of stuttering. Moleski R, et al. **J Consult Clin Psychol** 44(2):309–11, Apr 76

Letter: Application of Martin Schwartz's airflow technique in the treatment of stuttering. Lee J.
J Speech Hear Disord 41(1):133–4, Feb 76

Letter: Application of Martin Schwartz's airflow technique in the treatment of stuttering. Lee J.
J Speech Hear Disord 41(1):133–4, Feb 76

Verbal versus tangible reward for children who stutter. Manning WH, et al. **J Speech Hear Disord** 41(1):52–62, Feb 76

Verbal versus tangible reward for children who stutter. Manning WH, et al. **J Speech Hear Disord** 41(1):52–62, Feb 76

Reduction of stuttering frequency using analog electromyographic feedback. Guitar B.
J Speech Hear Res 18(4):672–85, Dec 75

Treatment of stuttering: a case history. Small MM.
Percept Mot Skills 41(3):812, Dec 75

[Comparative therapy experiment on the theory and effectiveness of the treatment of stuttering on operant bases] Becker P, et al. **Arch Psychol (Frankf)** 127(1–2):78–92, 1975 (Eng. Abstr.) **(Ger)**

[1st experiences with Sheehan's stuttering–anxiety therapy with adolescent stutterers] Heidemann B, et al.
Folia Phoniatr (Basel) 27(2):133–53, 1975 (Eng. Abstr.) **(Ger)**

[Annotated bibliography of German literature on behavior therapy of stuttering] Wendlandt W, et al.
Folia Phoniatr (Basel) 27(4):307–17, 1975 (Eng. Abstr.) **(Ger)**

[Problems in psychotherapy in some speech disorders] pp 183–6. Sváb L.
In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p. **(Ger)**

[Therapy of stuttering in the preschooler via group training of the mother: indirect educational effect] pp. 325–9. Mérei V.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. **(Ger)**

[Stuttering in children and adolescents] Heidemann B, et al.
Nervenarzt 47(5):287–94, May 76 (30 ref.) **(Ger)**

[Problem of stuttering and the behavior therapy treatment methods] Heinzel J. **Prax Kinderpsychol Kinderpsychiatr** 25(6):197–205, Aug–Sep 76 (Eng. Abstr.) **(Ger)**

[Some experience in the organization of a specialized psychoneurological seasonal sanatorium for children with stuttering (Novgorod)] Stukolkin IN, et al. **Pediatriia** (12):40–1, Dec 75 **(Rus)**

[Organization of treatment of children with stammering in the Kostroma district] Tiuliandin AD, et al.
Zh Ushn Nos Gorl Bolezn (3):72–3, May–Jun 75 **(Rus)**

STYE see **HORDEOLUM**

STYRAMATE see under **CARBAMATES**

STYRENES

see related
POLYSTYRENES

Dimethylaminostyrylmethylpyridiniumiodine (daspmi) as a fluorescent probe for mitochondria in situ. Bereiter-Hahn J. **Biochim Biophys Acta** 423(1):1–14, 15 Jan 76

Clinical and experimental studies on the pathogenesis of toxic effects of styrene. I. Evaluation of the role of styrene in the occurrence of occupational dermatoses.
Golębiowska-Podgórczyk I.
Bull Inst Marit Trop Med Gdynia 26(3–4):289–97, 1975

Styrene resin cracking method for observing biological materials by scanning electron microscopy. Tanaka K, et al. **J Electron Microsc (Tokyo)** 23(4):313–5, 1974

Structure studies on styrene–treated immunoglobulin crystals. Sarma R, et al. **J Mol Biol** 98(3):479–84, 5 Nov 75

Urinary mandelic acid concentration after occupational exposure to styrene and its use as a biological exposure test. Engström K, et al. **Scand J Work Environ Health** 2(1):21–6, Mar 76

ADVERSE EFFECTS

Clinical and experimental research into the pathogenesis of toxic effect of styrene. III. Morphology, coagulation and fibrinolisis systems of the blood in persons exposed to the action of styrene during their work. Chmielewski J, et al.
Bull Inst Marit Trop Med Gdynia 27(1):63–7, 1976

[Some enzymological and immunological shifts following prolonged occupational exposure to the effects of alpha–methylstyrene and divinyl] Sergeta LN, et al.
Gig Tr Prof Zabol (12):51–3, Dec 75 **(Rus)**

ANALYSIS

Charcoal sampling method for determining the concentration of styrene in air. Kalliokoski P, et al.
Scand J Work Environ Health 1(3):193–8, Sep 75

[Determination of styrene in polysterenes by the methods of iodometry spectrophotometry in ultraviolet ligt and gas chromatography] Piekacz H, et al.
Rocz Panstw Zakl Hig 27(2):167–70, 1976 (Eng. Abstr.) **(Pol)**

[Polarographic determination of methylmethacrylate and styrene in the air of industrial premises] Dmitrieva VN, et al. **Gig Sanit** (4):59–61, Apr 76 **(Rus)**

[Method of determining styrene in the biological media of experimental animals] Murav'eva SI, et al.
Gig Tr Prof Zabol (9):52–3, Sep 74 **(Rus)**

CHEMICAL SYNTHESIS

Formation of styrylglycine and derivatives from cyclopropylogs of phenylalanine and dihydroxyphenylalanine. Authentic styrylgycine. Hines JW Jr, et al. **J Org Chem** 41(8):1466–9, 16 Apr 76

METABOLISM

Hepatic and extrahepatic metabolism, in vitro, of an epoxide (8–(14) C–styrene oxide) in the rabbit. James MO, et al.
Biochem Pharmacol 25(2):187–93, 15Jan 76

Metabolism and toxicity of styrene. Leibman KC.
Environ Health Perspect 11:115–9, Jun 75

Decarboxylative conversion of hydroxycinnamic acids to hydroxystyrenes by Polyporus circinata. Bayne HG, et al.
J Gen Microbiol 95(1):188–90, Jul 76

PHARMACODYNAMICS

Mechanims of stimulation of in vitro protein synthesis by some copolymers of styrene, vinyluracil, and vinyladenine with maleic acid and acrylic acid. Boguslawski S, et al.
Biochemistry 15(16):3536–40, 10 Aug 76

Suppression of sebaceous gland non–specific esterase activity be electrophilic alpha beta–unsaturated compounds. Chasseaud LF, et al. **Experientia** 31(10):1196–7, 15 Oct 75

[Hygienic evaluation of actetate fibers with an admixture of 'Stiromal" copolymer and of the textiles prepared from them] Muratov MM, et al. **Gig Sanit** (9):54–7, Sep 75 (Eng. Abstr.) **(Rus)**

POISONING

Clinical and experimental studies on the pathogenesis of toxic effects of styrene. II. The effect of styrene on the respiratory system. Chmielewski J, et al.
Bull Inst Marit Trop Med Gdynia 26(3–4):299–302, 1975

Clinical and experimental studies on the pathogenesis of toxic effects of styrene. I. Evaluation of the role of styrene in the occurrence of occupational dermatoses.
Golębiowska-Podgórczyk I.
Bull Inst Marit Trop Med Gdynia 26(3–4):289–97, 1975

TOXICITY

Clinical and experimental research into the pathogenesis of toxic effects of styrene. IV Estimation of liver functions in persons exposed to the action of styrene during their work. Chmielewski J, et al.
Bull Inst Marit Trop Med Gdynia 27(1):69–74, 1976

The sense of taste in some occupational exposures. Taniewski M. **Bull Inst Marit Trop Med Gdynia** 26(3–4):329–36, 1975

Mutagenic activity of styrene oxide (1,2–epoxyethylbenzene), a presumed styrene metabolite. Milvy P, et al.
Mutat Res 40(1):15–8, Jan 76

URINE

Human exposure to styrene. I. The gaschromatographic determination of urinary phenylglyoxylic acid using diazomethane derivatization. Bauer D, et al.
Int Arch Occup Environ Health 37(1):47–55, 28 Apr 76

Human exposure to styrene. II. Quantitative and specific gaschromatographic analysis of urinary mandelic and phenylglyoxylic acids as an index of styrene exposure. Guillemin M, et al. **Int Arch Occup Environ Health** 37(1):57–64, 28 Apr 76

SUAVITIL see **BENACTYZINE**

SUBACUTE SCLEROSING PANENCEPHALITIS

Subacute sclerosing panencephalitis. Paulson GW.
Ohio State Med J 71(14):695–7, Oct 75

Subacute sclerosing panencephalitis: a study of 25 patients. Procopis PG. **Proc Aust Assoc Neurol** 11:133–5, 1974

[Subacute sclerosing panencephalitis Van Bogaert's Subacute sclerosing leucoencephalitis. Outline of past findings and future prospects] Radermecker FJ.
Rev Electroencephalogr Neurophysiol Clin 1(1):35–48, Jan–Mar 71 (47 ref.) (Eng. Abstr.) **(Fre)**

[Pathogenetic and therapeutic aspects of subacute sclerosing encephalitis (author's transl)] Glasner H, et al.
Arch Psychiatr Nervenkr 221(1):29–38, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Subacute sclerosing panencephalitis (SSPE)] Kitayama T.
J Jpn Assoc Infect Dis 49(11):417–9, Jul 75 **(Jpn)**

[Subacute sclerosing panencephalitis and its study] Panelius M, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:175–7, 1973 **(Rus)**

[Subacute sclerosing panencephalitis. Report of 31 cases (author's transl)] Conde López M, et al.
An Esp Pediatr 9(3):241–50, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Subacute sclerosing leukoencephalitis or Van Bogart's disease (Principal cases and denomination of the disease)] Trelles JO, et al. **Rev Neuropsiquiatr** 38(3–4):142–53, Sep–Dec 75 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Letter: Interferon in serum and cerebrospinal fluid in subacute sclerosing panencephalitis. Joncas JH, et al.
Can Med Assoc J 115(4):309, 21 Aug 76

COMPLICATIONS

A case of subacute sclerosing panencephalitis with exophthalmos. Cherry PM, et al. **Ann Ophthalmol** 7(12):1579–86, Dec 75 (16 ref.)

Preretinal vitreous membrane in subacute sclerosing panencephalitis. Raymond LA, et al. **Arch Ophthalmol** 94(8):1412–3, Aug 76

CONGENITAL

[Hereditary spongiform dystrophy in young children (Canavan: van Bogaert–Bertrand)] Mirimanoff P.
J Neurol Sci 28(2):159–85, Jun 76 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Ocular manifestations of subacute sclerosing panencephalitis. Morgan B, et al. **Am J Dis Child** 130(9):1019–21, Sep 76

The electroencephalogram in subacute sclerosing panencephalitis. Markand ON, et al. **Arch Neurol** 32(11):719–26, Nov 75

Subacute sclerosing panencephalitis presenting as Leonhard's speech–prompt catatonia. Koehler K, et al.
Br J Psychiatry 129:29–31, Jul 76

Subacute sclerosing panencephalitis. Eisengart MA.
J Maine Med Assoc 67(2):43–6, Feb 76

Generalized sharp and slow wave and electrodecremental seizure pattern in subacute sclerosing panencephalitis. Westmoreland BF, et al. **Mayo Clin Proc** 51(2):107–11, Feb 76

Atypical electroencephalographic findings in subacute sclerosing panencephalitis. Markand ON. **Neurol India** 23(2):70–7, Jun 75

ENZYMOLOGY

On the activity of brain phospholipase A2 towards specifically labelled glycerophospholipids during subacute sclerosing panencephalitis. Jakumeit–Morgott U, et al.
Arch Psychiatr Nervenkr 220(2):131–7, 28 May 75

ETIOLOGY

Experimental subacute sclerosing panencephalitis (SSPE) in a monkey by subcutaneous inoculation with a defective SSPE virus. Ueda S, et al. **Biken J** 18(3):179–81, Sep 75

Mononucleosis–associated subacute sclerosing panencephalitis. Feorino PM, et al. **Lancet** 2(7934):530–2, 20 Sep 75

[Subacute sclerosing panencephalitis: virological and immunological aspects and etiopathegenic considerations (author's transl)] Martin JJ. **Riv Patol Nerv Ment** 95(4):427–52, Aug 74 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

[A case of 'membranous lipodystrophy (Nasu)' with emphasis on psychiatric and neuropathologic aspects (author's transl)] Harada K. **Folia Psychiatr Neurol Jpn** 29(2):169–77, 1975 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Evidence for the presence of lambda chain dimers in cerebrospinal fluid of patients suffering from subacute sclerosing panencephalitis. Riberi M, et al.
Clin Exp Immunol 19(1):45–53, Jan 75

Lymphocyte–mediated cytotoxicity to viruses in patients with multiple sclerosis: presence of a blocking factor. Rola–Pleszczynski M, et al. **Clin Immunol Immunopathol** 5(2):165–72, Mar 76

Antibodies to Epstein–Barr virus in subacute sclerosing panencephalitis patients. Gotlieb–Stematsky T, et al.
Eur Neurol 13(5):418–21, 1975

Effect of neonatal thymectomy on experimental subacute sclerosing panencephalitis in adult hamsters. Johnson KP, et al. **Infect Immun** 12(6):1464–9, Dec 75

Release of bound immunoglobulin from SSPE brain by acid elution. Weil ML, et al. **J Immunol** 115(6):1603–6, Dec 75

Measles antibodies and immunoglobulins in sera from patients with subacute sclerosing panencephalitis (SSPE) and from an infected ferret. Mehta PD, et al. **J Neurol Sci** 26(3):283–94, Nov 75

Early onset of subacute sclerosing panencephalitis. Bhettay

E, et al. **J Pediatr** 89(2):271–2, Aug 76
Specific inhibitory factors of cellular immunity in children with subacute sclerosing panencephalitis. Steele RW, et al. **J Pediatr** 88(1):56–62, Jan 76
Letter: Host inhibitory or blocking factor in subacute sclerosing panencephalitis. Swick HM. **J Pediatr** 89(3):518–9, Sep 76
Letter: HL-A and subacute sclerosing panencephalitis. Kreth HW, et al. **Lancet** 2(7931):415–6, 30 Aug 75
Relationship between measles virus-specific antibody activities and oligoclonal IgG in the central nervous system of patients with subacute sclerosing panencephalitis and multiple sclerosis. Norrby E, et al.
Med Microbiol Immunol (Berl) 162(1):63–72, 30 Dec 75
A heat-stable blocking factor in the plasma of patients with subacute sclerosing panencephalitis. Swick HM, et al.
Neurology (Minneap) 26(1):84–8, Jan 76
Measles virus-specific IgD antibodies in patients with subacute sclerosing panencephalitis. Luster MI, et al.
Proc Natl Acad Sci USA 73(4):1297–9, Apr 76
IgG1 subclass restriction of oligoclonal IgG from cerebrospinal fluids and brain extracts in patients with multiple sclerosis and subacute encephalitides. Vandvik B, et al. **Scand J Immunol** 5(4):427–36, 1976
Bound and free light chains in subacute sclerosing panencephalitis and multiple sclerosis serum and cerebrospinal fluid. Bollengier F, et al.
Z Klin Chem Klin Biochem 13(7):305–10, Jul 75
[Immunologic studies in SSPE] Kreth HW.
Monatsschr Kinderheilkd 124(5):413–4, May 76 **(Ger)**

METABOLISM

Phospholipid metabolism in subacute sclerosing panencephalitis: activity of brain phospholipase A2 towards specifically labelled 1,2-diacyl-,1-alk-1'-enyl-2-acyl- and 1-alkyl-2-acyl-sn-glycero-3-phosphorycholine. Woelk H, et al. **J Neurochem** 26(2):275–9, Feb 76

MICROBIOLOGY

A non-productive subacute sclerosing panencephalitis (SSPE) virus of human and ferret: an ultrastructural study. Brown HR, et al. **Acta Neuropathol (Berl)** 34(4):339–51, 26 Apr 76
Mononucleosis-associated subacute sclerosing panencephalitis. Hochberg FH, et al.
Acta Neuropathol (Berl) 34(1):33–40, 31 Jan 76
The effects of measles virus and various strains of SSPE virus on organotypic cultures of nervous tissue. Sheppard RD, et al. **Acta Neuropathol (Berl)** 34(2):175–81, 15 Mar 76
SSPE-like inclusion body disorder in treated childhood leukemia. Sluga E, et al.
Acta Neuropathol [Suppl] (Berl) Suppl 6:267–72, 1975
The isolation and characterization of a strain of subacute sclerosing panencephalitis measles-related virus. de Felici A, et al. **Ann Microbiol (Paris)** 126A(4):509–21, May–Jun 75
Comparative studies on subacute sclerosing panencephalitis virus and a usual measles virus with special reference to their capacities to produce viral hemagglutinin in Vero cells. Kimoto T, et al. **Biken J** 18(2):123–33, Jun 75
Subacute sclerosing panencephalitis (SSPE): isolation of a defective variant of measles virus from brain obtained at autopsy. Ueda S, et al. **Biken J** 18(2):113–22, Jun 75
Further observations on subacute sclerosing encephalitis in adult hamsters: the effects of intranasal infections with Langat virus, measles virus and SSPE-measles virus. Zlotnik I, et al. **Br J Exp Pathol** 57(1):49–66, Feb 76
Cell-associated subacute sclerosing panencephalitis agent studied in organotypic central nervous system cultures: viral rescue attempts and morphology. Sheppard RD, et al. **Infect Immun** 12(4):891–900, Oct 75
Defective bud formation in human cells chronically infected with subacute sclerosing panencephalitis virus.
Dubois-Dalcq M, et al. **J Virol** 19(2):579–93, Aug 76
Growth of measles virus in nervous tissues. III. Neurovirulence of SSPE virus in ferrets. Yoshikawa Y, et al. **Jpn J Med Sci Biol** 28(2):117–26, Apr 75
The relationship between measles virus infection and subacute sclerosing panencephalitis (SSPE). Adams DH, et al. **Med Hypotheses** 2(2):55–7, Mar–Apr 76
Fine structural changes in human astrocyte carrier lines for measles virus. Macintyre EH, et al. **Nature** 263(5574):232–4, 16 Sep 76
[Viral inclusions in subacute sclerosing panencephalitis] Rodriguez G, et al. **Arch Invest Med (Mex)** 6(2):419–34, 1975 (Eng. Abstr.) **(Spa)**

NURSING

Nursing care study. Subacute sclerosing panencephalitis. Johnston AF. **Nurs Times** 72(8):305–8, 26 Feb 76

OCCURRENCE

Subacute sclerosing panencephalitis: an epidemiologic study in Israel. Soffer D, et al. **Am J Epidemiol** 103(1):67–74, Jan 76
Subacute sclerosing panencephalitis in Southern Africa. Mackenzie DJ, et al. **S Afr Med J** 49(50):2083–6, 22 Nov 75
Subacute sclerosing panencephalitis: an epidemiological study in israel. Soffer D, et al. **Trans Am Neurol Assoc** 100:243–5, 1975
[Subacute sclerosing panencephalitis: epidemiology of an atypical infection with a measles virus-like agent] Cendrowski W. **Pediatr Pol** 50(9):1163–7, Sep 75 **(Pol)**

PATHOLOGY

Acute SSPE. Gilden DH, et al. **Arch Neurol** 32(9):644–6, Sep 75
Morphological and virological investigations of cell strains cultured from the brain in Jakob-Creutzfeldt disease and subacute sclerosing panencephalitis. Slack PM, et al.
Br J Exp Pathol 56(4):377–887, Aug 75
The occurrence of vacuolated neurons in the brains of hamsters affected with subacute sclerosing encephalitis following measles or Langat virus infection. Zlotnik I, et al. **Br J Exp Pathol** 56(1):72–6, Feb 75
Virological and pathological study of subacute sclerosing pan-encephalitis. Broor S, et al. **Indian J Med Res** 63(5):671–7, May 75
Subacute sclerosing panencephalitis in the hamster. Ultrastructure of the acute disease in newborns and weanlings. Raine CS, et al. **Lab Invest** 33(2):108–16, Aug 75
[Retinal changes in subacute sclerosing panencephalitis] Kasperek S, et al. **Neurol Neurochir Pol** 10(1):89–92, Jan–Feb 76 (Eng. Abstr.) **(Pol)**
[Electron microscopic studies of subacute sclerosing encephalitis] Majdecki T, et al. **Neuropatol Pol** 14(2):245–52, Apr–Jun 76 (Eng. Abstr.) **(Pol)**
[Subacute sclerosing panencephalitis: comparative study between human and experimental lesions determined by encephalitogenic agents of human origin] Alencar A, et al. **Mem Inst Oswaldo Cruz** 72(3–4):237–61, 1974 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Polygraphic recordings in subacute sclerosing panencephalitis. A study of the pathophysiology of the periodic EEG complexes. Lenard HG, et al.
Neuropaediatrie 7(1):52–65, Feb 76
[An electro-clinical case of subacute sclerosing leucoencephalitis with localised initial periodic anomalies] Labascle J. **Rev Electroencephalogr Neurophysiol Clin** 1(1):67–9, Jan–Mar 71 **(Fre)**
[Anatomo-clinical aspects and electrophysiological, immunological and virological correlations in subacute sclerosing panencephalitis (SSPE)] Cincă I, et al.
Rev Roum Med [Neurol Psychiatr] 13(2):133–51, 1975 **(Fre)**

THERAPY

Transfer factor therapy in patients with subacute sclerosing panencephalitis. Käckell YM, et al. **J Neurol** 211(1):39–49, 2 Dec 75

SUBARACHNOID HEMORRHAGE

Observations on the electrocardiographic changes associated with subarachnoid hemorrhage with special reference to their genesis. Hammer WJ, et al. **Am J Med** 59(3):427–33, Sep 75
Subarachnoid haemorrhage in children. Appleton DB, et al.
Proc Aust Assoc Neurol 11:1–11, 1974
[Subarachnoid hemorrhage. Diagnosis and therapy (author's transl)] Yasargil MG. **Praxis** 64(15):439–44, 15 Apr 75 (Eng. Abstr.) **(Ger)**
[Diagnostic and therapeutic aspects in subarachnoid hemorrhage from point of view of the emergency medicine] Krell I, et al. **Z Gesamte Inn Med** 30(19):208 contd, 1 Oct 75 **(Ger)**
[Diagnostic and therapeutic aspects of subarachnoidal hemorrhage from the viewpoint of emergency medicine] Krell I, et al. **Z Gesamte Inn Med** 30(20):209–10 concl, 15 Oct 75 (Eng. Abstr.) **(Ger)**
[Subarachnoid hemorrhage from ruptured aneurysm in the course of pregnancy] Bromowicz J, et al.
Neurol Neurochir Pol 10(1):93–5, Jan–Feb 76 **(Pol)**

CEREBROSPINAL FLUID

Evidence for the presence of a vasoactive substance (possibly involved in the aetiology of cerebral arterial spasm) in cerebrospinal fluid from patients with subarachnoid haemorrhage. Boullin DJ, et al.
J Neurol Neurosurg Psychiatry 39(8):756–66, Aug 76
5-hydroxyindoleacetic acid (5-HIAA) in lumbar CSF of patients with subarachnoid hemorrhage. Massarotti M.
J Neurosurg Sci 19(1–2):72–4, Jan–Jun 75
Lactate and pyruvate concentrations, and acid-base balance of cerebrospinal fluid in experimentally induced intracerebral and subarachnoid hemorrhage in dogs. Sugi T, et al. **Stroke** 6(6):715–9, Nov–Dec 75
[Radioisotope cisternographic study on cerebrospinal fluid circulation after subarachnoid hemorrhage] Hiratsuka H, et al. **Neurol Surg (Tokyo)** 3(2):139–44, Feb 75 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Convulsions subarachnoid haemorrhage and death following myelography with meglumine iothalamate 280. Bagchi AK.
Surg Neurol 5(5):285–6, May 76
[The conus-cauda syndrome in occult ependymoma of the filum terminale with hemorrhagic infarction during anticoagulant therapy] Manz F, et al. **Nervenarzt** 47(5):338–9, May 76 **(Ger)**

COMPLICATIONS

Proceedings: The diagnostic and prognostic significance of qualitative and quantitative cisternography after subarachnoid hemorrhage. Menzel J, et al.
Acta Neurochir (Wien) 31(3–4):306, 1975
Sudden deafnfess of vascular origin: a human temporal bone study. Gussen R. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):94–100, Jan–Feb 76
Vitrectomy in subarachnoid haemorrhage. Carruthers J, et al. **Br Med J** 2(6032):404, 14 Aug 76
Management of ischemic complications after subarachnoid hemorrhage. Sundt TM Jr. **J Neurosurg** 43(4):418–25, Oct 75
Hepatogenous cyanosis and subarachnoid haemorrhage. Seymour CA. **Proc R Soc Med** 69(1):59–60, Jan 76
Syndrome of inappropriate antidiuretic hormone secretion (SIADH) with subarachnoid hemorrhage. Imbeau SA, et al. **Wis Med J** 75(4):S25–8, Apr 76
Intracranial pressure in hydrocephalus after subarachnoid haemorrhage. Troupp H. **Zentralbl Neurochir** 36(1):11–7, 1975
[Cerebral angiospasm in spontaneous subarachnoid hemorrhage. Clinical analysis of 125 cases] Ribarić J, et al. **Neuropsihijatrija** 22(1–4):39–47, 1974 (Eng. Abstr.) **(Cro)**
[Electrocardiographic abnormalities during meningeal hemorrhage] Page A, et al. **Nouv Presse Med** 5(22):1405–8, 29 May 76 (Eng. Abstr.) **(Fre)**
[Cerebral insult in subarachnoid hemorrhage] Paal G.
Nervenarzt 46(4):197–202, Apr 75 **(Ger)**
[Extensive arterial spasms masking arteriovenous angioma of the posterior cranial fossa] Szdzuy VD, et al.
Zentralbl Neurochir 36(2):109–12, 1975 (Eng. Abstr.) **(Ger)**
[Soft tissue ossifications as a complication of paralysis caused by subarachnoid hemorrhages] Gudmundsen TE, et al.
Tidsskr Nor Laegeforen 96(7):426–8, 10 Mar 76 (Eng. Abstr.) **(Nor)**
[Case of acute early hydrocephalus caused by subarachnoid hemorrhage] Markiewicz M, et al. **Pol Tyg Lek** 30(43):1797–800, 27 Oct 75 (Eng. Abstr.) **(Pol)**
[Secondary neuropsychological sequelae in spontaneous subarachnoid hemorrhages] Pascu I, et al.
Rev Med Intern [Neurol Psihiatr] 21(1):31–6, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Echo-encephalographic study of ventricular dilatation after subarachnoid hemorrhage, with special reference to the effect of antifibrinolytic treatment. Knibestöl M, et al.
Acta Neurol Scand 54(1):57–70, Jul 76
Monitoring of patients with intracranial aneurysms. Nornes H. **Clin Neurosurg** 22:321–31, 1975
Cerebral transit time by intravenous isotopic technique in S.A.H. Papo I, et al. **J Neurosurg Sci** 19(1–2):75–6, Jan–Jun 75
Role of the pneumo-encephalogram in the diagnosis of spontaneous subarachnoid haemorrhage. Pecker J, et al.
Neurochirurgia (Stuttg) 19(4):144–57, Jul 76
Subarachnoid hemorrhage secondary to ruptured intracranial aneurysm during pregnancy. Hisley JC, et al.
South Med J 68(12):1512–1560, Dec 75
[Spontaneous cerebro-meningeal hemorrhages during pregnancy, labor and the puerperal period with a report of our case] Smilov I, et al. **Akush Ginekol (Sofiia)** 13(3):236–9, 1974 (Eng. Abstr.) **(Bul)**
[Attacks of cervical migraine simulating subarachnoid hemorrhage] Prusiński A, et al. **Wiad Lek** 29(6):473–6, 15 Mar 76 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Adrenergic blockade in subarachnoid haemorrhage. Cameron MM, et al. **Acta Neurochir (Wien)** 34(1–4):261–4, 1976
Proceedings: Preoperative management of patients with aneurysmal subarachnoid haemorrhage. A preliminary comparative study of consecutive and randomized series. Tovi D. **Acta Neurochir (Wien)** 31(3–4):271, 1975
Effect of intracisternal phentolamine on cerebral blood flow after subarachnoid injection of blood. Martins AN, et al.
J Neurosurg 44(3):353–8, Mar 76
Antifibrinolytic therapy in the treatment of subarachnoid haemorrhage caused by arterial aneurysms. Profeta G, et al. **J Neurosurg Sci** 19(1–2):77–8, Jan–Jun 75
Antifibrinolytics in the treatment of subarachnoid hemorrhages due to ruptured aneurysms. Schisano G.
J Neurosurg Sci 19(1–2):79–80, Jan–Jun 75
Preoperative management of patients with aneurysmal subarachnoid hemorrhage. Tovi D. **J Neurosurg Sci** 19(1–2):59–64, Jan–Jun 75
Intracranial aneurysms and subarachnoid hemorrhage. A cooperative study. Antifibrinolytic therapy in recent onset subarachnoid hemorrhage. Nibbelink DW, et al. **Stroke** 6(6):622–9, Nov–Dec 75

ENZYMOLOGY

Cerebrospinal fluid creatine phosphokinase in acute subarachnoid hemorrhage. Greenblatt SH. **J Neurosurg** 44(1):50–4, Jan 76

ETIOLOGY

Spinal subarachnoid hemorrhage with schwannoma. Grollmus J. **Acta Neurochir (Wien)** 31(3–4):253–6, 1975

Moyamoya disease as a cause of subarachnoid hemorrhage in a Negro patient. Case report. Meriwether RP, et al. **J Neurosurg** 44(5):620–2, May 76

Massive subarachnoid haemorrhage and fracture of the transverse process of the atlas. Simonsen J. **Med Sci Law** 16(1):13–6, Jan 76

Nursing care study. Subarachnoid haemorrhage caused by a ruptured aneurysm. Phillips P. **Nurs Times** 72(33):1270–3, 19 Aug 76

Subarachnoid haemorrhage in pseudoxanthoma elasticum. Sharma NG, et al. **Postgrad Med J** 50(590):774–6, Dec 74

'A case report of Moyamoya disease.' Khoo ST, et al. **Singapore Med J** 16(4):315–7, Dec 75

Meckel's cave meningiomas with subarachnoid hemorrhage. Rosenberg GA, et al. **Surg Neurol** 3(6):333–6, Jun 75

Subarachnoid hemorrhage due to lateral ventricular meningiomas. Smith VR, et al. **Surg Neurol** 4(2):241–3, Aug 75

Cerebellopontine angle meningioma presenting as subarachnoid haemorrhage. Yaşargil MG, et al. **Surg Neurol** 6(1):3–6, Jul 76

[Traumatic subarachnoid hemorrhage] Karkola K. **Duodecim** 92(6):313–5, 1976 (Eng. Abstr.) **(Fin)**

[Lethal subarachnoidal hemorrhage from a cerebellar angioma following a blunt violent injury] Cardauns H. **Beitr Gerichtl Med** 33:112–6, 1975 (Eng. Abstr.) **(Ger)**

[Recurrence of symptoms of hemorrhage following rupture of intracranial aneurysm] Suzuki J, et al. **Clin Neurol (Tokyo)** 14(11):823–8, Nov 74 (Eng. Abstr.) **(Jpn)**

[Subarachnoid hemmorrhage and aneurysmal change of cerebral arteries due to metastases of chorioepithelioma (author's transl)] Nakahara T, et al. **Neurol Surg (Tokyo)** 3(9):777–82, Sep 75 (Eng. Abstr.) **(Jpn)**

[Case of moyamoya disease] Harasiewicz M, et al. **Neurol Neurochir Pol** 10(3):419–21, May–Jun 76 (Eng. Abstr.) **(Pol)**

MORTALITY

Maternal deaths due to spontaneous subarachnoid hemorrhage. Barno A, et al. **Am J Obstet Gynecol** 125(3):384–92, 1 Jun 76

Letter: On the analysis of subarachnoid hemorrhage data. Miller RH, et al. **Arch Neurol** 33(4):309, Apr 76

Ocular bobbing with survival. Clarke C, et al. **J Neurol Neurosurg Psychiatry** 39(1):58–60, Jan 76

PATHOLOGY

The significance of the perivascular innervation of the brain. pp. 175–82. Peerless SJ, et al.
In: Cervós-Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.

Some physiologic properties of nerves in the adventitia of cerebral blood vessels as revealed by fluorescence microscopy. pp. 183–9. Rosenblum WI.
In: Cervós-Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.

[A clinico-pathological study on subarachnoid hemorrhage in autopsied cases: the significance of iron containing granule cells seen in autopsied brain with subarachnoid hemorrhage (author's transl)] Sakaki S, et al. **Neurol Surg (Tokyo)** 3(2):145–51, Feb 75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Proceedings: Pathophysiology of repeated subarachnoid haemorrhage in dogs. Løfgren J, et al. **Acta Neurochir (Wien)** 31(3–4):272, 1975

Lethal mechanism in repeated subarachnoid hemorrhage in dogs. Steiner L, et al. **Acta Neurol Scand** 52(4):268–93, Oct 75

Characteristics and limits of tolerance in repeated subarachnoid hemorrhage in dogs. Steiner L, et al. **Acta Neurol Scand** 52(4):241–67, Oct 75

Observations on the electrocardiographic changes associated with subarachnoid hemorrhage with special reference to their genesis. Hammer WJ, et al. **Am J Med** 59(3):427–33, Sep 75

Subarachnoid hemorrhage. Association with unusual electrocardiographic changes. Goldman MR, et al. **JAMA** 234(9):957–8, 1 Dec 75

Effect of subarachnoid haemorrhage on micro-circulation in hypothalamus and brain stem of dogs. Nagai H, et al. **Neurochirurgia (Stuttg)** 19(4):135–44, Jul 76

The effect of a simulated subarachnoid hemorrhage on cerebral blood flow in the monkey. Martins AN, et al. **Stroke** 6(6):664–72, Nov–Dec 75

[Electrocardiographic abnormalities associated with subarachnoid hemorrhage caused by intracranial aneurysmal rupture. I. Clinical study] Takada I, et al. **Clin Neurol (Tokyo)** 15(11):878–87, Nov 75 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Proceedings: A therapeutic trial of epsikapron. So SC, et al. **J Neurol Neurosurg Psychiatry** 38(8):827, Aug 75

Use of epsilon aminocaproic acid (EACA) in the preoperative management of ruptured intracranial aneurysms. Sengupta RP, et al. **J Neurosurg** 44(4):479–84, Apr 76

RADIOGRAPHY

Computed tomographic evaluation of hemorrhage secondary to intracranial aneurysm. Davis KR, et al. **Am J Roentgenol** 127(1):143–53, Jul 76

Computerized tomography and angiography in subarachnoid haemorrhage. Kendall BE, et al. **Br J Radiol** 49(582):483–501, Jun 76

Growing intracranial aneurysms. Sarwar M, et al. **Radiology** 120(3):603–7, Sep 76

The diagnostic pitfalls of subarachnoid hemorrhage from intracranial aneurysms. DeLong WB. **West J Med** 123(2):92–100, Aug 75

[Arteria primitiva hypoglossica with subarachnoid hemorrhage] Reinshagen G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):379–81, Oct 75 **(Ger)**

SURGERY

Evaluation of indications for direct surgical management in SAH due to ruptured intracranial aneurysms. Immediate and long-term results in a cooperative study of 678 cases. Infuso L, et al. **J Neurosurg Sci** 19(1–2):47–53, Jan–Jun 75

[Spontaneous spinal subarachnoidal hematoma—case report (author's transl)] Owaki K, et al. **Neurol Surg (Tokyo)** 3(7):593–7, Jul 75 (Eng. Abstr.) **(Jpn)**

[Our results in the surgical treatment of the normal pressure hydrocephalus. A review of 20 cases (author's transl)] Morales Ramos F, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(193):97–108, May–Jun 75 (Eng. Abstr.) **(Spa)**

THERAPY

Long-term prognosis in a group of patinets with ruptured unoperated intracranial arterial aneurysms. Cioffi FA, et al. **J Neurosurg Sci** 19(1–2):69, Jan–Jun 75

Medical treatment of subarachnoid hemorrhage due to cerebral aneurysm in old patients. Giammusso V, et al. **J Neurosurg Sci** 19(1–2):70–1, Jan–Jun 75

Long-term results of non-operative management of ruptured intracranial aneurysms. Mingrino S, et al. **J Neurosurg Sci** 19(1–2):54–8, Jan–Jun 75

Experiences in management of ruptured aneurysms. Uttley D. **J Neurosurg Sci** 19(1–2):65–8, Jan–Jun 75

SUBARACHNOID SPACE

Local and systemic subarachnoid toxicity of metrizamide in mice and monkeys. Block BP, et al. **Acta Radiol [Suppl] (Stockh)** (335):14–24, 1973

Elimination of water-soluble contrast media from the subarachnoid space. Investigation with computer tomography. Hindmarsh T. **Acta Radiol [Suppl] (Stockh)** (346):45–9, 1975

Spinal subarachnoid perfusion of rhesus monkeys. Kessler JA, et al. **Am J Physiol** 230(3):614–8, Mar 76

Suprasellar subarachnoid cysts. Schimmel DH, et al. **Neuroradiology** 11(3):141–6, 16 Jul 76

Subarachnoid phenol block for pain relief in gynecologic malignancy. Lifshitz S, et al. **Obstet Gynecol** 48(3):316–20, Sep 76

[Usefulness of subarachnoid analgesia in a surgical department of a regional hospital] Wilczyński S, et al. **Wiad Lek** 29(11):991–4, 1 Jun 76 (Eng. Abstr.) **(Pol)**

[Prolonged spasm of the arteries of the base of the brain during experimental fibrinolysis in the subarachnoid space] Arutiunov A, et al. **Vopr Neirokhir** (5):5–11, Sep–Oct 75 **(Rus)**

ANATOMY & HISTOLOGY

Anatomical observations of the subarachnoid cisterns of the brain during surgery. Yasargil MG, et al. **J Neurosurg** 44(3):298–302, Mar 76

BLOOD SUPPLY

Capillaries in the subarachnoid space. Hirano A, et al. **Acta Neuropathol (Berl)** 34(1):81–5, 31 Jan 76

CYTOLOGY

Receptor activity on some mesenchymal cells in CNS of normal rabbits. Indications of the monocytic origin of intracerebral perivascular cells, epiplexus cells and mononuclear phagocytes in the subarachnoid space. Oehmichen M. **Acta Neuropathol (Berl)** 35(3):205–18, 1976

Scanning electron microscopy of the subarachnoid space in the dog. IV. Subarachnoid macrophages. Malloy JJ, et al. **J Comp Neurol** 167(3):257–83, 1 Jun 76

DRUG EFFECTS

A clinical and experimental study of meglumine iocarmate in the subarachnoid space: a complication of positive contrast ventriculography. Yonekawa Y, et al. **Surg Neurol** 5(3):167–70, Mar 76

METABOLISM

Changes in cortical subarachnoid fluid potassium concentrations during hypoxia. Kirshner HS, et al. **Arch Neurol** 33(2):84–90, Feb 76

Respiratory effects of H+ and dinitrophenol injections into the brain stem subarachnoid space of fetal lambs. Jansen AH, et al. **Can J Physiol Pharmacol** 53(5):726–33, Oct 75

[Production and absorption rate of cerebrospinal fluid in the spinal subarachnoid space of the dog (author's transl)] Watanabe K, et al. **Neurol Surg (Tokyo)** 4(4):351–8, Apr 76 (Eng. Abstr.) **(Jpn)**

[Ways of elimination of substances injected into the subarachnoid space of the brain (experimental study with radioactive isotopes)] Baron MA, et al. **Med Radiol (Mosk)** 20(11):55–63, Nov 75 **(Rus)**

PARASITOLOGY

[Metastrongylus in the subarachnoid space of a cat brain] Fabian G. **Zentralbl Veterinaermed [B]** 22(6):524–6, Aug 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Subarachnoid block and enlargement of the spinal canal in hypertrophic neuritis. De León GA, et al. **J Neurol Sci** 28(2):139–46, Jun 76

Juvenile astrocytomas with subarachnoid spread. McLaughlin JE. **J Pathol** 118(2):101–7, Feb 76

PHYSIOLOGY

Spinal descent of cerebrospinal fluid in man. Chiro GD, et al. **Neurology (Minneap)** 26(1):1–8, Jan 76

RADIOGRAPHY

Air filling of the subarachnoid space over the cerebral convexities at repeat encephalography. Lying-Tunell U, et al. **Neuroradiology** 9(4):187–96, 29 Aug 75

Cavum veli interpositi. Roentgen anatomy – pathology and physiology. Picard L, et al. **Neuroradiology** 10(4):215–20, 1976

Cisternography of the chiasmatic and interpeduncular cisterns in mediotemporal expanding lesions. Valk J. **Radiol Clin (Basel)** 44(6):517–26, 1975

[Demonstration and significance of interventricular cisterna] Rupprecht E, et al. **Kinderaerztl Prax** 43(6):247–54, Jun 75 **(Ger)**

SURGERY

Ultrasonographic demonstration of patency of subarachnoid–orbital shunt. Skalka HW. **J Clin Ultrasound** 4(3):219–20, Jun 76

[Role of the ventriculocisternostomy in the treatment of non-communicating hydrocephalus] Pierre-Kahn A, et al. **Neurochirurgie** 21(7):557–69, Dec 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Scanning electron microscopic description of the surface of the cavum leptomeningeum] Krahn V, et al. **Anat Anz** 138(5):429–37, 1975 (Eng. Abstr.) **(Ger)**

SUBCELLULAR FRACTIONS

Renal subcellular fractions producing angionecrosis and increased vascular permeability. Nakamura M, et al. **Br J Exp Pathol** 56(1):62–71, Feb 75

Primary immune response following transfer of subcellular fractions of sensitized cells. Scheiffarth F, et al. **Z Immunitaetsforsch** 146(3):187–94, Dec 73

Studies on the mitogenic activity of subcellular lymphocyte fractions. Warnatz H, et al. **Z Immunitaetsforsch** 143(5):454–64, Jun 72

[Morphological studies on cellfree induced sarcomas in syrian hamster (author's transl)] Bender E, et al. **Arch Geschwulstforsch** 46(2):85–93, 1976 (Eng. Abstr.) **(Ger)**

[Sarcomas in syrian hamster, induced by an oncorna virus and cellfree transmissible (author's transl)] Graffi A, et al. **Arch Geschwulstforsch** 46(2):77–84, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the cytotoxic and the DNA-stimulating effect of antisera against subcellular fractions of stimulated and non-stimulated lymphocytes (author's transl)] Warnatz H, et al. **Z Immunitaetsforsch** 144(4):335–43, Dec 72 (Eng. Abstr.) **(Ger)**

[Description of a homogenizer for the reproducible demonstration of subcellular fractions from brain tissue] Wetzel W, et al. **Z Med Labortech** 16(2):112–7, 1975 **(Ger)**

[Tetracycline resistance and cell-free systems of protein and polypeptide synthesis] Beliavskaia IV, et al. **Antibiotiki** 21(2):130–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Synthesis of acetylphosphate and adenosine triphosphoric acid in cell-free extracts of Azotobacter chroococcum] Kaganskaia MB, et al. **Mikrobiol Zh** 36(4):411–5, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

[Synthesis of acetylphosphate and adenosine triphosphoric acid in cell-free preparations of Azotobacter miscellum] Kobylianskaia EG, et al. **Mikrobiol Zh** 36(4):420–3, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Particulate regulator of thyroid protein phosphokinases. Pavlovic-Hournac M, et al. **Biochimie** 57(10):1245–7, 1975

Selective subcellular localization of cations with variants of the potassium (pyro)antimonate technique. Simson JA, et al. **J Histochem Cytochem** 23(8):575–98, Aug 75

DRUG EFFECTS

[The effect of actinomycin d, acridine dyes and related substances on the biosynthesis of nucleic acids in normal and leukemic white blood cells. Comparative investigation in intact cells and in a cell-free system (author's transl)] Benkert B, et al. **Klin Wochenschr** 53(16):783–4, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Intracellular mechanism of the action of imipramine and diazepam] Zakusov VV, et al. **Biull Eksp Biol Med** 80(10):67–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Action of energy metabolism inhibitors on RNA synthesis in a cell-free system] Rozet EG, et al. **Izv Akad Nauk SSSR [Biol]** (6):867–72, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proceedings: Subcellular fractionation of parenchymal cells isolated from adult male rat liver. Roberfroid M, et al. **Arch Int Physiol Biochim** 83(2):395–6, May 75

Lysolecithinase activity in subcellular fractions of rat organs. Leibovitz-Ben Gershon Z, et al. **Biochem Biophys Res Commun** 69(3):592–8, 5 Apr 76

The subcellular loclization and properties of the ferrochelatase of etiolated barley. Little HN, et al. **Biochem J** 156(2):309–14, 15 May 76

Extrapineal amine N-acetylation in rat brain. Regional and subcellular distribution and enzyme kinetics. Hsu LL, et al. **Biochem Pharmacol** 25(7):815–9, 1 Apr 76

Adenosine triphosphatase activity in brain, intestinal mucosa, kidney, and liver cellular fractions of the red-eared turtle following in vitro treatment with DDT, DDD, and DDE. Witherspoon FG Jr, et al. **Bull Environ Contam Toxicol** 14(5):537–44, Nov 75

Influence of subtotal hepatectomy on peroxisomes and peroxisomal enzymes of rat liver and isolated liver cell fractions. Goldenberg H, et al. **Histochemistry** 44(1):47–56, 16 Jul 75

Influence of starvation on the activities and localization of cathepsin D and other lysosomal enzymes in hearts of rabbits and mice. Wildenthal K, et al. **J Mol Cell Cardiol** 7(11):841–55, Nov 75

Phosphatidate phosphohydrolase and palmitoyl coenzyme A hydrolase in cardiac subcellular fractions. Kako KJ, et al. **Recent Adv Stud Cardiac Struct Metab** 8:191–7, 1975

Properties of organized enzymatic pathways. Kempner ES. **Subcell Biochem** 4(3):213–21, Sep 75 (21 ref.)

[Activation of the fermentative activity of yeasts by yeast cell fractions] Ermachenko VA, et al. **Izv Akad Nauk SSSR [Biol]** (5):769–71, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Enzyme release from subcellular structures of the kidney in hypothermic perfusion with plasma] Panchenko LF, et al. **Vestn Akad Med Nauk SSSR** (7):57–60, 1975 (Eng. Abstr.) **(Rus)**

[Study of the enzyme activities of subcellular fractions of Azotobacter chroococcum. I. Nitrogenase activity] Pavlova IN, et al. **Mikrobiol Zh** 36(5):547–52, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Isolation of subcellular fractions containing immunogenic enterobacterial common antigen. Domingue G, et al. **Z Immunitaetsforsch** 148(1):23–38, Nov 74

[Correlation of the antibody concentrations in the cells, subcellular structures and blood serum of rabbits immunized with cholera vaccine] Adamov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):32–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Vaccines. III. Vaccines of cellular fractions] Bojalil LF. **Gac Med Mex** 111(4):263–7, Apr 76 **(Spa)**

[Antigens of the subcellular fractions of Trypanosoma cruzi. I. Localization of antigens and proteins in the subcellular fractions] Segura EL, et al. **Medicina (B Aires)** 35(5):451–9, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

METABOLISM

Identification of the mucopolysaccharides in catecholamine-containing subcellular particel fractions from various rat, cat and ox tissues. Blaschke E, et al. **Acta Physiol Scand** 97(1):110–20, Mar 76

In-vitro metabolism of etomidate by rat liver fractions. Meuldermans WE, et al. **Arch Int Pharmacodyn Ther** 221(1):140–9, May 76

Properties of follicle-stimulating-hormone receptor in cell membranes of bovine testis. Cheng KW. **Biochem J** 149(1):123–32, Jul 75

Inhibition in vitro of protein synthesis in brain subcellular fractions by the convulsant 3-mercaptopropionic acid. Rodríguez de Lores Arnaiz G, et al. **Biochem Pharmacol** 24(24):2307–9, 15 Dec 75

The uptake and subcellular distribution of radio-labelled metabolites of digitoxin in the guinea-pig isolated perfused heart. Dutta S, et al. **Br J Pharmacol** 56(4):437–41, Apr 76

Synthesis and storage of acetylcholine in cholinergic nerve terminals. pp. 585–607. Dowdall MJ. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.** (84 ref.)

Estrogen interactions at the hypothalamic subcellular level. pp. 151–62. Raynaud JP. **In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.**

Metabolism of 8-(methylthio)cyclic 3',5'-adenosine monophosphate by rats and dogs after oral or intravenous dosing and in vitro by subcellular preparations of dog liver. Dreyfuss J, et al. **J Pharm Sci** 64(10):1604–12, Oct 75

Studies on the binding of 5,5-diphenyl-hydantoin to nucleic acids in vitro and to rat brain subcellular fractions in vitro and in vivo. Boykin ME, et al. **J Pharmacol Exp Ther** 196(2):469–77, Feb 76

3H-delta9-tetrahydrocannabinol tissue and subcellular distribution in the central nervous system and tissue distribution in peripheral organs of tolerant and nontolerant dogs. Martin BR, et al. **J Pharmacol Exp Ther** 196(1):128–44, Jan 76

Cellular and subcellular compartmentalization of steroid metabolism in the rat testis. Van Der Molen HJ, et al. **J Reprod Fertil** 44(2):351–62, Aug 75

Effect of lyophilization and storage of liver 9,000xg supernatant fraction on the metabolism of imipramine in several species of animals. Aikawa K, et al. **Jpn J Pharmacol** 26(2):227–32, Apr 76

Preferential ribosomal RNA synthesis in the lysate of Escherichia coli. Muto A. **Mol Gen Genet** 138(1):1–10, 1975

Cycloheximide resistance in Chinese hamster cells. III. Characterization of cell-free protein synthesis by polysomes. Pöche H, et al. **Mol Gen Genet** 138(2):173–7, 1975

Potency of inhibitors for gamma-aminobutyric acid uptake by mouse brain subcellular particles at 0 degrees. Olsen RW, et al. **Mol Pharmacol** 11(5):558–65, Sep 75

P-Chloro-N-methylaniline demethylation by rat kidney subcellular fractions. Navran SS, et al. **Res Commun Chem Pathol Pharmacol** 12(4):713–21, Dec 75

The measurement of iron in rat liver tissue and subcellular fractions using atomic absorption spectroscopy. Deter RL. **Tex Rep Biol Med** 33(3):407–13, 1975

Differences in the lipid distribution in subcellular fractions of mouse fibroblasts derived from logarithmic and stationary growth. Kulas HP, et al. **Z Naturforsch [C]** 31(3-4):179–85, Mar–Apr 76

[Metabolism of riboflavin and its nucleotides in rat liver subcellular fractions in alloxan diabetes] Kuznetsova LN, et al. **Vopr Pitan** (1):21–4, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Proceedings: Mechanical properties of subcellular cardiac preparations. De Clerck NM, et al. **Arch Int Physiol Biochim** 83(3):593–5, Aug 75

Explanation of the stimulation of microsomal N-demethylation reactions by soluble supernatant fraction. Cinti DL. **Res Commun Chem Pathol Pharmacol** 12(2):339–54, Oct 75

RADIATION EFFECTS

Radioprotection of liver lipids of whole-body gamma-irradiated female rats by cystamine. Ramanathan R, et al. **Strahlentherapie** 151(1):69–77, Jan 76

ULTRASTRUCTURE

Antigenic determinants shared by rat lymphocytes and rat brain subcellular fractions. Jankovic BD, et al. **Keio J Med** 24(4):355–65, Dec 75

SUBCLAVIAN ARTERY

Intra-arterial infusion chemotherapy as preoperative treatment of locally advanced breast cancer. Koyama H, et al. **Cancer** 36(5):1603–12, Nov 75

Aneurysm of the subclavian artery: a complication of retrograde brachial artery catheterization. Chiavacci WE, et al. **Cathet Cardiovasc Diagn** 2(1):93–6, 1976

Subclavian artery occlusion following radiotherapy for carcinoma of the breast. Budin JA, et al. **Radiology** 118(1):169–73, Jan 76

Peroperative measurements of blood flow and pressure in occlusion and/or stenosis of the subclavian artery and the brachiocephalic trunk. Magaard F, et al. **Scand J Thorac Cardiovasc Surg** 10(1):85–95, 1976

[Multiple aneurysms of the left subclavian artery] Hiekata T, et al. **Jpn J Thorac Surg** 28(11):787–90, Nov 75 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Bilateral subclavian and axillary artery anomaly. Mojab K, et al. **Am Surg** 42(8):585–8, Aug 76

Surgical implications of right aortic arch with isolation of left subclavian artery. Rodriguez L, et al. **Br Heart J** 37(9):931–6, Sep 75

Letter: Aneurysm of aberrant right subclavian artery with esophageal perforation. Buades Reynes J, et al. **Chest** 70(1):105, Jul 76

Anomaly of cervical portion of cerebral vessels. Khanjanasthiti P, et al. **J Med Assoc Thai** 58(9):483–5, Sep 75

[Congenital arteriovenous fistula between the left subcalvian artery and pirogoff's venous junction. Surgical closure] Ledouarin B, et al. **J Chir (Paris)** 111(3):335–40, Mar 76 (Eng. Abstr.) **(Fre)**

[Thrombotic occlusion and late lysis in the arteria subclavia lusoria dextra] Stockmann U, et al. **Chirurg** 46(6):273–5, Jun 75 **(Ger)**

[Traumatic rupture of the thoracic aorta associated with an aberrant right subclavian artery (author's transl)] Rosenbusch G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):54–6, Jul 76 (Eng. Abstr.) **(Ger)**

[Aneurysm of the arteria lusoria. Report on 4 cases] Wagner T, et al. **Schweiz Med Wochenschr** 106(1):15–21, 3 Jan 76 (Eng. Abstr.) **(Ger)**

[Aberrant right subclavian artery associated with ventricular septal defect, patent ductus arteriosus and pulmonary hypertension] Kidani M, et al. **J Jpn Assoc Thorac Surg** 23(11):1349–53, Nov 75 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of vascular rings in children] Smólska I, et al. **Pol Przegl Chir** 48(5A):27–33, 1976 (Eng. Abstr.) **(Pol)**

INJURIES

Subclavian artery rupture (an unusual seat-belt injury). Chan RN, et al. **Injury** 7(1):29–32, Aug 75

Fractures of the clavicle and injuries of the sub-clavian artery. Report of 10 cases. Natali J, et al. **J Cardiovasc Surg (Torino)** 16(5):541–7, Sep–Oct 75

[Pseudo-aneurysm of the right subclavian artery after a closed traumatism of the thorax (author's transl)] Favre JP, et al. **Ann Chir Thorac Cardiovasc** 14(4):349–52, Oct 75 (Eng. Abstr.) **(Fre)**

[Traumatic pseudo-aneurysm of the right subclavian artery (author's transl)] Reboud E, et al. **Ann Chir Thorac Cardiovasc** 14(4):343–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Acute blood vessel injuries due to clavicle fractures] Prokscha GW, et al. **Med Monatsschr** 29(5):218–20, May 75 **(Ger)**

[Iatrogenic trauma of the left subclavian artery. Complex surgical treatment] Sierra L, et al. **Angiologia** 27(3):141–4, May-Jun 75 (Eng. Abstr.) **(Spa)**

INNERVATION

Light, fluorescence and electron microscopic studies of rabbit subclavian glomera. Hansen JT, et al. **Am J Anat** 144(4):477–89, Dec 75

An electron microscopic study on the effects of reserpine on the subclavian glomera of the rabbit. Hansen JT, et al. **Am J Anat** 144(4):491–502, Dec 75

PHYSIOPATHOLOGY

Noninvasive evaluation of cardiac function in patients with ischemic heart disease by the subclavian arterial blood flow response to exercise. Koike M. **Jpn Circ J** 39(7):745–53, Jul 75

Oscillography and digital pulse plethysmography in occlusive disease of the subclavian artery and the brachiocephalic trunk. A pre- and postoperative study. Magaard F, et al. **Scand J Thorac Cardiovasc Surg** 9(3):250–3, 1975

The influence of arm ischaemia and arm hyperaemia on subclavian and vertebral artery blood flow in patients with occlusive disease of the subclavian artery and the brachiocephalic trunk. A peroperative study. Magaard F, et al. **Scand J Thorac Cardiovasc Surg** 9(3):240–9, 1975

[Arterial steal-effects and syndromes] Müller-Wiefel H. **Med Welt** 26(26):1263–9, 4 Jul 75 **(Ger)**

RADIATION EFFECTS

Subclavian artery occlusion following radiation therapy. A case history. Loeffler RK. **Invest Radiol** 10(4):391–3, Jul-Aug 75

SURGERY

Subclavian artery aneurysm an arterial complication of thoracic outlet syndrome. Keshishian JM, et al. **Am Surg** 42(4):262–4, Apr 76

Operative treatment of atherosclerotic lesions in innominate, subclavian and vertebral arteries. A follow-up study. Luosto R, et al. **Ann Chir Gynaecol** 65(2):153–7, 1976

The Blalock-Taussig operation: the procedure of choice in the hypoxic infant with tetralogy of Fallot. Chopra PS, et al. **Ann Thorac Surg** 22(3):235–8, Sep 76

Editorial: Role of the Blalock-Taussig operation in the hypoxic infant with tetralogy of Fallot. Sabiston DC Jr. **Ann Thorac Surg** 22(3):303–4, Sep 76

Subclavian artery to external carotid artery bypass graft. Improvement of cerebral blood supply. Berguer R, et al. **Arch Surg** 111(8):893–6, Aug 76

Vascular manifestations of the thoracic outlet syndrome. A surgical urgency. Martin J, et al. **Arch Surg** 111(7):779–82, Jul 76

Surgical management of vertebral-basilar insufficiency. Cromier JM, et al. **Int Surg** 61(4):203–12, Apr 76

Subclavian-coronary artery anastomosis in infancy for the Bland-White-Garland syndrome: a three-year and five-year follow-up. Pinsky WW, et al. **J Thorac Cardiovasc Surg** 72(1):15–20, Jul 76

Subclavian-coronary artery anastomosis. A technique for definitive correction of anomalous origin of left coronary artery. Senderoff E, et al. **J Thorac Cardiovasc Surg** 71(1):142–6, Jan 76

Retrograde aortic dissection occurring during cardiopulmonary bypass. Successful repair and concominant subclavian-to-coronary artery vein bypass. Bilgutay AM, et al. **JAMA** 236(5):465–8, 2 Aug 76

Interposition of the azygous vein in the Blalock-Taussig

procedure. Senno A, et al. **Surg Gynecol Obstet** 141(6):929–30, Dec 75
[21 cases of carotid sub-clavian by-pass operations (author's transl)] Cormier JM, et al. **Ann Chir** 30(6):425–35, Jun 76 (Eng. Abstr.) **(Fre)**
[Subclavian artery—common iliac artery bypass in an adult-type aortic coarctation—a case study] Shirakata S, et al. **Jpn J Thorac Surg** 29(1):62–7, Jan 76 (Eng. Abstr.) **(Jpn)**

SUBCLAVIAN STEAL SYNDROME

[Subclavian steal syndrome] Eroğlu G. **Turk Tip Dern Derg** 39(10):390–6, 1973 (Eng. Abstr.) **(Tur)**

COMPLICATIONS

[Deafness caused by vascular disorders] Carre J, et al. **J Fr Otorhinolaryngol** 24(8):621, Oct 75 **(Fre)**

DIAGNOSIS

Proximal subclavian artery stenosis. Silverblatt SP. **J Fla Med Assoc** 62(10):28–33, Oct 75
Head and neck radioangiography. Long RF, et al. **South Med J** 69(1):17–20, Jan 76
[ORL-symptomatology of 'subclavian steal' syndrome] Quante M, et al. **Laryngol Rhinol Otol (Stuttg)** 55(8):669–73, Aug 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Bilateral subclavian and axillary artery anomaly. Mojab K, et al. **Am Surg** 42(8):585–8, Aug 76
Subclavian artery occlusion following radiation therapy. A case history. Loeffler RK. **Invest Radiol** 10(4):391–3, Jul–Aug 75
'Steal' syndrome, ischemia, congestive failure and periperhal neuropathy. De Palma JR, et al. **Proc Clin Dial Transplant Forum** 3:9–11, 1973
[Congenital incomplete aortic-arch-syndrome as a rare cause of cerebral ischemia in consequence of a steal-syndrome (author's transl)] Müller-Wiefel H, et al. **Thoraxchirurgie** 24(2):118–25, Apr 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Regional cerebral blood flow and vertebral angiography at rest and in connection with arm work in patients with the 'subclavian steal phenomenon'. Magaard F, et al. **Scand J Thorac Cardiovasc Surg** 10(1):96–111, 1976
[Arterial steal-effects and syndromes] Müller-Wiefel H. **Med Welt** 26(26):1263–9, 4 Jul 75 **(Ger)**
[Pulse retardation in the subclavian steal syndrome] Pierach CA, et al. **Vasa** 4(1):38–9, 1975 **(Ger)**

RADIOGRAPHY

[The cervical collateral network in subclavian steal syndrome and block of the vertebral artery (author's transl)] Heber R. **Roentgenblaetter** 28(12):599–602, Dec 75 (Eng. Abstr.) **(Ger)**

SURGERY

Experience with subclavian steal syndrome. Poulos E, et al. **Tex Med** 71(10):74–9, Oct 75
[Steal syndrome in the area of the aortic arch branches and its surgical treatment] Michal V, et al. **Rozhl Chir** 55(1):2–7, Jan 76 (Eng. Abstr.) **(Cze)**
[Subclavian steal syndrome] Dicke HW. **Ned Tijdschr Geneeskd** 119(52):2090–8, 27 Dec 75 (Eng. Abstr.) **(Dut)**
[Subcutaneous axillo-axillary bypass graft in the treatment of subclavian steal syndrome] Rykowski H, et al. **Pol Przegl Chir** 47(11):1323–5, Nov 75 (Eng. Abstr.) **(Pol)**

SUBCLAVIAN VEIN

Routine subclavian vein catheterization in abdominal surgical practice. Voegele LD. **Am J Surg** 131(2):178–80, Feb 76
Benign obstruction of subclavian and axillary veins possibly due to filariasis. Nagaratnam N, et al. **Br J Surg** 63(5):379–80, May 76
Subclavian vein cannulation: a new complication. Allsop JR, et al. **Br Med J** 4(5991):262–3, 1 Nov 75
Diaphragmatic paralysis after supraclavicular puncture of subclavian vein. Epstein EJ, et al. **Br Med J** 1(6011):693–4, 20 Mar 76
Guide-wire technique for central vein cannulation. Goy JA. **Br Med J** 2(6026):21–2, 3 Jul 76
Subclavian vein catheterization: a reassessment. Chokski DS, et al. **Cathet Cardiovasc Diagn** 2(1):1–3, 1976
Radiological study of the aetiological factors in venous obstruction of the upper limb. Stevenson IM, et al. **J Cardiovasc Surg (Torino)** 16(6):580–5, Nov–Dec 75
Septic thrombosis following subclavian vein catheterization. Faden H, et al. **J Pediatr** 88(5):895–6, May 76
Acute occlusion of the subclavian vein in an athlete: diagnosis, etiology and surgical management. Wright RS, et al. **J Sports Med** 2(6):343–8, Nov-Dec 74
Chylothorax: a complication of subclavian vein catheterization and parenteral hyperalimentation. Thurer RJ. **J Thorac Cardiovasc Surg** 71(3):465–8, Mar 76
Bedside emergency transvenous cardiac pacing: experience in two community hospitals Bartecchi CE. **JACEP** 1(3):169–73, Mar 76
Letter: Subclavian-mammary vein catheterization. Finch MT. **JAMA** 235(10):1001–2, 8 Mar 76
Thrombosis after central venous cannulation. Ahmed N. **Med J Aust** 1(8):217–20, 21 Feb 76
Letter: Central venous cannulation. **NZ Med J** 83(558):130, 25 Feb 76
Central venous thrombosis following central venous catheterisation and parenteral nutrition: case report. Havill JH. **NZ Med J** 81(539):420–2, 14 May 75
Primary subclavian vein thrombosis and bilateral chylothorax documented by lymphography and venography. Diaconis JN, et al. **Radiology** 119(3):557–8, Jun 76
Percutaneous subclavian vein catheterisation. Pantanowitz D, et al. **S Afr J Surg** 13(2):103–6, Jun 75
[Prospective study of complications of catheterization of the subclavian vein (apropos of 250 cases)] Michel L, et al. **Anesth Analg (Paris)** 32(5):703–12, Sep–Oct 75 **(Fre)**
[Acute tamponade: complication of resuscitation (cardiac perforation by a subclavian catheter)] George M, et al. **Ann Anesthesiol Fr** 16(1):7–12, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Severe complications of subclavian vein catheterization] Michel L, et al. **Ann Anesthesiol Fr** 16(6):469–75, Oct 75 (Eng. Abstr.) **(Fre)**
[2 cases of chylothorax caused by catheterization of left large venous trunks] Piro J, et al. **Ann Anesthesiol Fr** 16(1):1–6, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Risks of subclavian vein catheter] Bauer H. **Dtsch Med Wochenschr** 101(17):672–4, 23 Apr 76 **(Ger)**
[Arteriovenous aneurysm between the intercostal artery and subclavian vein in the presence of multiple arterial aneurysms (author's transl)] Heidrich H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):45–8, Jul 75 (Eng. Abstr.) **(Ger)**
[Unusual cause of subclavian vein and rigt jugular vein occlusion] von Wyttenbach A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):275–7, Sep 75 **(Ger)**
[A new set of instruments for puncture and catheterization of the subclavian vein] Weissbach L, et al. **Infusionstherapie** 1(4):315–7, Apr 74 (Eng. Abstr.) **(Ger)**
[Subclavian vein catheterization] Felsch G, et al. **Z Gesamte Inn Med** 30(16):153–4, 15 Aug 75 (Eng. Abstr.) **(Ger)**
[Problem of catheter-embolism following subclavian puncture] Markgraf E, et al. **Z Gesamte Inn Med** 31(10):327–30, 15 May 76 (Eng. Abstr.) **(Ger)**
[Experiences with subclavian catheterization in hemodialysis] Gerhardt W, et al. **Z Urol Nephrol** 67(10):777–81, Oct 74 **(Ger)**
[Case of endocavitary electrode knotting following its introduction through the subclavian vein and the method of its unknotting] Klamut M, et al. **Pol Tyg Lek** 31(15):631–2, 12 Apr 76 (Eng. Abstr.) **(Pol)**
[Complications following catheterization of veins] Mironchik IN, et al. **Arkh Patol** 37(9):80–4, 1975 (Eng. Abstr.) **(Rus)**
[Complications of punctures and catheterization of the subclavian vein] Grinberg BA, et al. **Klin Khir** (2):55–7, 1975 **(Rus)**
[Air embolism as a complication of catheterization of the subclavian vein] Vasenev KO. **Klin Khir** (12):67–8, Dec 75 **(Rus)**
[Possibilities of autovenoplasty in occlusions of the major veins] Vasiutkov VIa. **Klin Khir** (12):40–2, Dec 75 **(Rus)**
[Rationale for the right-side puncture of the subclavian vein in patients undergoing heart surgery] Chimbaev TE. **Vestn Khir** 116(4):63–5, Apr 76 (Eng. Abstr.) **(Rus)**
[Catheterization of the subclavian vein with polyvinyl chloride catheters] Grinberg BA, et al. **Vestn Khir** 114(1):141–2, Jan 75 **(Rus)**
[Complications during puncture of the subclavian vein] Tiunder EO, et al. **Vestn Khir** 114(1):122–4, Jan 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Persisting embryonal arterial communication between vertebral artery and subclavian vein. Case report. Kunc Z, et al. **J Neurosurg** 44(5):632–7, May 76

INJURIES

[Acute blood vessel injuries due to clavicle fractures] Proksch GW, et al. **Med Monatsschr** 29(5):218–20, May 75 **(Ger)**
[Fatal complications in vena-cava-catheterization] Eulitz J. **Z Aerztl Fortbild (Jena)** 70(9):463–4, 1 May 76 **(Ger)**

RADIOGRAPHY

Thrombosis of the axillary-subclavian vein. A report of two cases. Malaret GE. **Bol Asoc Med PR** 68(7):157–9, Jul 76
[Thrombosis of the axillary-humeral subclavian venous trunk (Paget-Schroëtter syndrome. Apropos of a case)] Mateos Sánchez A, et al. **Rev Clin Esp** 141(3):289–91, 15 May 76 **(Spa)**

SURGERY

The Blalock-Taussig shunt in the first six months of life. Laks H, et al. **J Thorac Cardiovasc Surg** 70(4):687–91, Oct 75
[Carotico-cavernosus fistula after subclavia-carotis interna bypass (author's transl)] Kypke W, et al. **Klin Monatsbl Augenheilkd** 166(5):623–8, May 75 (Eng. Abstr.) **(Ger)**

SUBCONSCIOUS see **UNCONSCIOUS (PSYCHOLOGY)**

SUBDURAL EFFUSION see under **MENINGITIS**

SUBDURAL SPACE see under **MENINGES**

SUBGINGIVAL CURETTAGE

see related
PERIODONTITIS

Flap curettage: rationale, technique, and expectations. Ammons WF Jr, et al. **Dent Clin North Am** 20(1):215–26, Jan 76
Results following three modalities of periodontal therapy. Ramfjord SP, et al. **J Periodontol** 46(9):522–6, Sep 75
[Periodontal curettage. Indications and technic] Portoukalian JM. **Actual Odontostomatol (Paris)** (110):275–82, Jun 75 **(Fre)**

METHODS

Apical curettage as a treatment of acute periapical inflammation. Altonen M, et al. **Int J Oral Surg** 5(1):13–8, Feb 76
[Curettage] de Jacoby LF. **ZWR** 84(9):409–11, 10 May 75 **(Ger)**

STANDARDS

[Evaluation of results of subgingival curettage in periodontology] Sponholz H, et al. **Zahn Mund Kieferheilkd** 64(3):253–9, 1976 (Eng. Abstr.) **(Ger)**

SUBJECT HEADINGS

A retrieval system for biomedical slides using MeSH. Raymond SL, et al. **Bull Med Libr Assoc** 64(2):233–5, Apr 76
Selection of descriptors according to discrimination and redundancy. Application to chemical structure searching. Hodes L. **J Chem Inf Comput Sci** 16(2):88–93, May 76
[Model considerations for the establishment of a thesaurus (author's transl)] Heinze G. **Radiobiol Radiother (Berl)** 16(1):85–90, 1975 **(Ger)**

SUBLIMATION

Perversion, idealization and sublimation: a reply to the discussion by André Lussier. Chasseguet-Smirgel J. **Int J Psychoanal** 56(2):233–5, 1975
Belief in the omnipotence of love. Sappenfield BR. **Psychol Rep** 38(2):399–402, Apr 76

SUBLIMINAL PERCEPTION see under **SUBLIMINAL STIMULATION**

SUBLIMINAL STIMULATION

Experimenter bias and subliminal perception. Barber PJ, et al. **Br J Psychol** 66(3):357–72, Aug 75
The subliminal perception of movement and the 'suppression' in binocular rivalry. Walker P. **Br J Psychol** 66(3):347–56, Aug 75
Conditions affecting boundary response to messages out of awareness. Fisher S. **J Nerv Ment Dis** 162(5):313–22, May 76
An experimental reunion of psychoanalytic theory with perceptual vigilance and defense. Reply to Jennings and George. Blum GS. **Percept Mot Skills** 41(3):957–8, Dec 75
Effect of subliminal stimuli on consumer behavior: negative evidence. George SG, et al. **Percept Mot Skills** 41(3):847–54, Dec 75
Perceptual vigilance and defense revisited: evidence against Blum's psychoanalytic theory of subliminal perception. Jennings LB, et al. **Percept Mot Skills** 41(3):723–9, Dec 75
Perceptual registration of the analyst outside of awareness. Friedman S. **Psychoanal Q** 45(1):128–30, Jan 76
Does the averaged evoked response encode subliminal perception? Schwartz M, et al. **Psychophysiology** 12(4):390–4, Jul 75
On testing specific hypotheses about subliminal perception: a reply to Shevrin. Schwartz M. **Psychophysiology** 13(1):27–31, Jan 76
Does the averaged evoked response encode subliminal perception? Yes. A reply to Schwartz and Rem. Shevrin H. **Psychophysiology** 12(4):395–8, Jul 75

SUBLINGUAL GLAND

The effect of salivary gland extracts on the histology of lymphoid organs and salivary glands in mice. de Lange GL. **Arch Oral Biol** 20(8):515–20, Aug 75
Experimental salivary mucoceles in cat. A histochemical study. Harrison JD, et al. **J Oral Pathol** 4(6):297–306, Dec 75

ANALYSIS

The murine sublingual and submandibular mucins. Their isolation and characterization. Roukema PA, et al. **Biochim Biophys Acta** 428(2):432–40, 23 Apr 76

Immunochemical study of beta-glucuronidase inhibitor from porcine sublingual gland. Interaction of beta-glucuronidase inhibitor with alpha2-macroglobulin. Sakamoto W. **Biochim Biophys Acta** 411(2):195–201, 5 Dec 75

The glycosphingolipids of rat sublingual and submaxillary glands. Slomiany A, et al. **Biochim Biophys Acta** 441(2):316–26, 23 Aug 76

ANATOMY & HISTOLOGY

Carbohydrate histochemistry of the opossum submandibular and major sublingual glands. Pinkstaff CA. **Am J Anat** 143(4):501–12, Aug 75

ENZYMOLOGY

Cellular localization of kallikreins in rat submandibular and sublingual salivary glands: immunofluorescence tracing related to histological characteristics. Orstavik TB, et al. **Acta Histochem (Jena)** 54(2):183–92, 1975

The cytochemical localization of adenyl cyclase activity in rat sublingual gland. Kim SK, et al. **Am J Anat** 144(4):467–75, Dec 75

The effects of ductal ligation on the parenchyma of salivary glands of cat studied by enzyme histochemical methods. Harrison JD, et al. **Histochem J** 8(1):35–44, Jan 76

The localization of thiamine pyrophosphatase activity in the acinar cells of stimulated and non-stimulated sublingual glands of the rat. Kim SK, et al. **Histochemistry** 47(2):89–99, 28 May 76

The cytochemical localization of adenylate cyclase activity in mucous and serous cells of the salivary gland. Kim SK. **J Supramol Struct** 4(2):185–97, 1976

PATHOLOGY

A qualitative and quantitative electronmicroscopic study of the structure of the adenoid cystic carcinoma of human minor salivary glands. Chisholm DM, et al. **J Oral Pathol** 4(3):103–19, Oct 75

Histological effects of ductal ligation of salivary glands of the cat. Harrison JD, et al. **J Pathol** 118(4):245–54, Apr 76

SECRETION

Comparison of the secretory processes in the parotid and sublingual glands of the mouse. I. Regulation of the secretory processes. Vreugdenhil AP, et al. **Biochim Biophys Acta** 413(1):79–94, 17 Nov 75

Glycoproteins secreted by sublingual glands of the echidna (Tachyglossus aculeatus). Lew JY, et al. **Int J Pept Protein Res** 7(4):289–93, 1975

[The mucous secretion anisotropy of the sublingual gland of the guinea-pig by means of topo-optical histochemical reaction (author's transl)] Musy JP, et al. **Acta Histochem (Jena)** 52(1):45–61, 1975 (Eng. Abstr.) **(Fre)**

SURGERY

Letter: Treatment of plunging ranula. Swank RL 2d. **J Oral Surg** 33(11):823, Nov 75

SUBLINGUAL REGION see **MOUTH FLOOR**

SUBMANDIBULAR GLAND

Aspiration biopsy of salivary gland tumors. VI. Morphologic studies on smears and histologic sections from mucoepidermoid carcinoma. Zajicek J, et al. **Acta Cytol (Baltimore)** 20(1):35–41, Jan–Feb 76

Adenoid cystic carcinoma of submaxillary gland metastatic to great toe. Weitzner S. **Am Surg** 41(10):655–8, Oct 75

The effect of salivary gland extracts on the histology of lymphoid organs and salivary glands in mice. de Lange GL. **Arch Oral Biol** 20(8):515–20, Aug 75

Hormonal regulation of submandibular salivary gland morphology and antigenicity in rats. White SC, et al. **Arch Oral Biol** 20(12):871–5, Dec 75

Goldenhar syndrome. Associated with submandibular gland hyperplasia and hemihypoplasia of the mobile tongue. Miyamoto RT, et al. **Arch Otolaryngol** 102(5):313–4, May 76

A traumatic fistula of the submandibular gland. de Geus JJ, et al. **Br J Plast Surg** 29(2):196–8, Apr 76

Amino acid metabolizing enzymes in rat submaxillary gland, normal or neoplastic, and in pancreas. Herzfeld A, et al. **Enzyme** 21(5):471–80, 1976

Giant mixed submandibular salivary tumors. Gupta AK, et al. **Int Surg** 60(9):495–6, Sep 75

Localization of gallium-67 citrate in salivary glands following radiation therapy. Lentle BC, et al. **J Can Assoc Radiol** 27(2):89–91, Jun 76

Cylindroma--recurrence in post-operative fibrosis (a case report). Rao PM, et al. **J Postgrad Med** 21(3):161–2, Jul 75

Developmental mandibular bone defect (Stafne) and the submandibular salivary gland. A case report with a stereosialographic study. Oikarinen VJ, et al. **Proc Finn Dent Soc** 72(2):53–5, 1976

[Enlarged submaxillary glands] Gandon J. **Probl Actuels Otorhinolaryngol** :261–71, 1973 **(Fre)**

[Submaxillary salivary calculus in children (author's transl)] Reuther J, et al. **Klin Paediatr** 188(3):285–8, May 76 (Eng. Abstr.) **(Ger)**

[A case of large calculus of the submandibular gland] Koumoura F. **Stomatologia (Athenai)** 32(3):157–62, May–Jun 75 (Eng. Abstr.) **(Gre)**

[Bilateral submandibular sialolithiasis] Reczyk J, et al. **Czas Stomatol** 28(12):1193–7, Dec 75 **(Pol)**

[Submaxillary gland mixed tumor] Dinu C, et al. **Rev Chir [Otorinolaringol]** 19(4):263–9, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Sialolithiasis of the submandibular salivary gland] Stojanovski LJ, et al. **Med Pregl** 28(11–12):513–6, 1975 **(Ser)**

ANALYSIS

The isolation and properties of a glycoprotein from hamster submaxillary gland. Downs F, et al. **Arch Oral Biol** 21(5):307–11, 1976

Comparison of the quantitative and qualitative composition of the free fatty aldehydes, alcohols and alkoxy lipids of rat submaxillary gland and brain. Gilbertson JR, et al. **Arch Oral Biol** 20(8):527–30, Aug 75

Comparison of the nerve growth factor proteins from cobra venom (Naja naja) and mouse submaxillary gland. Server AC, et al. **Biochemistry** 15(1):35–9, 13 Jan 76

The murine sublingual and submandibular mucins. Their isolation and characterization. Roukema PA, et al. **Biochim Biophys Acta** 428(2):432–40, 23 Apr 76

The glycosphingolipids of rat sublingual and submaxillary glands. Slomiany A, et al. **Biochim Biophys Acta** 441(2):316–26, 23 Aug 76

Proceedings: Cellular localization urogastrone by an immunofluorescent technique. Elder JB, et al. **Br J Surg** 63(8):657, Aug 76

Immunocytochemical localization of nerve growth factor (NGF) in the submandibular gland of adult mice by light and electron microscopy. Schwab ME, et al. **Cell Tissue Res** 169(3):289–99, 28 Jun 76

N-acetyl-9-O-L-lactylneuraminic acid, a new acylneuraminic acid from bovine submandibular gland. Schauer R, et al. **Eur J Biochem** 62(2):237–42, 16 Feb 76

Chemical analysis of a sulphated macromolecule isolated from rabbit submandibular gland. Krogstad S, et al. **J Biol Buccale** 4(1):61–6, Mar 76

A recombination assay of high molecular weight nerve growth factor protein complexes. Shine HD, et al. **J Neurochem** 26(3):513–9, Mar 76

[The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands, I. Structural homology to the pancreatic secretory trypsin inhibitors (author's transl)] Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1659–62, Oct 75 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Carbohydrate histochemistry of the opossum submandibular and major sublingual glands. Pinkstaff CA. **Am J Anat** 143(4):501–12, Aug 75

Quantitative morphology and carbohydrate histochemistry of the mouse submandibular gland following prepubertal castration. Smith RJ, et al. **Am J Anat** 144(2):137–47, Oct 75

Age, sex and contralateral differences in the volumes of human submandibular salivary glands. Scott J. **Arch Oral Biol** 20(12):885–7, Dec 75

Evaluation of a reservoir in the main excretory duct of rat submaxillary gland. Schneyer LH, et al. **J Appl Physiol** 39(4):519–22, Oct 75

A study on the diverticular enlargement of the rat's submandibular duct. Kim SC. **Yonsei Med J** 16(2):41–6, 1975

[Histomorphologic examination of the submaxillary gland of the rabbit (Oryctolagus cuniculus)] Delattre JP, et al. **J Biol Buccale** 4(1):77–86, Mar 76 (Eng. Abstr.) **(Fre)**

[Comparative quantitative histology of mandibular and parotid glands from various mammals] Pérez Clavier R. **Zentralbl Veterinaermed [C]** 5(1):2–13, Mar 76 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Blood flow changes in the submaxillary gland of the rat on parasympathetic and sympathetic nerve stimulation. Thulin A. **Acta Physiol Scand** 97(1):104–9, Mar 76

Two phases of chorda-lingual induced vasodilatation in the cat's submandibular gland during prolonged perfusion with Locke solution. Poulsen JH. **J Physiol (Lond)** 253(1):79–94, Dec 75

CYTOLOGY

Postnatal development of acinar cells in rat submandibular gland as revealed by electron microscopic staining for carbohydrates. Yamashina S, et al. **Am J Anat** 146(3):211–35, Jul 76

Short-term effects of preganglionic sympathectomy on the structure of submandibular salivary acinar cells in rats. Garrett JR, et al. **Arch Oral Biol** 21(3):161–6, 1976

Characteristics of the isoprenaline stimulated proliferative response of rat submaxillary gland. Koschel KW, et al. **Cell Tissue Kinet** 9(2):157–65, Mar 76

Properties of Go cells: variations in the proliferative response following isoprenaline. Radley JM, et al. **Cell Tissue Kinet** 9(4):371–7, Jul 76

Salivary epithelial cells in primary culture: characterization of their growth and functional properties. Wigley CB, et al. **J Cell Sci** 20(1):149–65, Jan 76

Distribution of concanavalin A binding sites on the surface of dissociated rat submandibular gland acinar cells. Amakawa T, et al. **J Histochem Cytochem** 23(8):607–17, Aug 75

[Interstitial plasma cells of the submaxillary glands] Bimes Ch, et al. **Bull Assoc Anat (Nancy)** 59(165):333–44, Jun 75 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Secretory and motor effects in the submaxillary gland of the rat on intraarterial administration of some polypeptides and autonomic drugs. Thulin A. **Acta Physiol Scand** 97(3):343–8, Jul 76

Mechanism of the sialogogic effect induced by bradykinin in dogs: possible mediation by endogenous prostglandin. Corrado AP, et al. **Adv Exp Med Biol** 70(00):81–95, 1976

Effect of isoproterenol on the kallikrein content of the submandibular gland of rats. Lauar NS, et al. **Adv Exp Med Biol** 70(00):109–16, 1976

The effect of spironolactone on transport of Na+, K+ and H+. A microperfusion study in rat main submaxillary duct. Knauf H. **Eur J Clin Invest** 6(1):17–20, 30 Jan 76

The ability of the calcium ionophore A-23187 to mimic some of the effects of adrenaline on the metabolism of rat submaxillary gland. Thompson MP, et al. **FEBS Lett** 62(2):208–11, 15 Feb 76

Effects of fatty acids on calcium-stimulated adenosine triphosphatase in rat submandibular gland microsomes. Furuyama S, et al. **Life Sci** 19(4):605–9, 15 Aug 76

ENZYMOLOGY

Cellular localization of kallikreins in rat submandibular and sublingual salivary glands: immunofluorescence tracing related to histological characteristics. Orstavik TB, et al. **Acta Histochem (Jena)** 54(2):183–92, 1975

Kallikrein and kallikrein inhibitor in rats. Beraldo WT, et al. **Acta Physiol Lat Am** 24(5):460–3, 1974

Isolation of porcine submaxillary kallikrein. Lemon M, et al. **Adv Exp Med Biol** 70(00):209–16, 1976

Purification of kallikrein from cat submaxillary gland. Moriwaki C, et al. **Adv Exp Med Biol** 70(00):151–6, 1976

Digestive enzymes in the parotid and submandibular glands of mammals. Junqueira LC, et al. **An Acad Bras Cienc** 45(3–4):629–43, 1973

Studies on membrane-bound renin in the mouse and rat. Wilson CM, et al. **Circ Res** 38(6 Suppl 2):95–8, Jun 76

The effects of ductal ligation on the parenchyma of salivary glands of cat studied by enzyme histochemical methods. Harrison JD, et al. **Histochem J** 8(1):35–44, Jan 76

The amino acid sequence of the double-headed proteinase inhibitor from canine submandibular glands, III. Sequencing studies. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1865–77, Dec 75

Studies on a potent inhibitor of aromatic-L-amino acid decarboxylase activity found in rat submaxillary gland: development, regulation, location and properties. pp. 73–9. Dairman W, et al. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.**

Biochemical and morphological studies of rat submandibular gland: II. Partial purification of proteins from granule-rich fraction. Chakrabarti SG, et al. **J Dent Res** 54(5):948–59, Sep–Oct 75

Characterization of esterase from mouse submandibular gland. Schuster GS, et al. **J Dent Res** 54(4):903, Jul–Aug 75

Continuous in vitro measurement of mouse salivary gland enzymes. Schuster GS, et al. **J Dent Res** 54(6):1138–42, Nov–Dec 75

Differential pattern of developmental changes of Na+ – stimulated and nonstimulated alkaline phosphatase activities in a microsomal fraction of rat submandibular gland. Son Y, et al. **J Dent Res** 54(5):1100, Sep–Oct 75

Purification and characterization of carbonic anhydrase from the bovine submandibular gland. Pinheiro CE, et al. **J Gynecol Obstet Biol Reprod (Paris)** 9(2–3):97–106, Mar–Jun 76

Changes in activities of several enzymes for carbohydrate metabolism in the rat submaxillary gland in response to experimental diabetes and insulin treatment. Murakami H. **J Nihon Univ Sch Dent** 16(4):91–4, Dec 74

Autonomic nerve stimulation, kallikrein content anc acinar cell granules of the cat's submandibular gland. Barton S, et al. **J Physiol (Lond)** 251(2):363–9, Oct 75

Esteroproteolytic enzymes from the submaxillary gland. Kinetics and other physicochemical properties. Boesman M, et al. **Nahrung** 20(1):463–76, 1976

H+ transport and membrane-bound HCO – 3 ATPase in salivary duct epithelium. Wais U, et al. **Pfluegers Arch** 361(1):61–4, 19 Dec 75

11beta-hydroxysteroid dehydrogenase in subcellular particulates of rat submandibular salivary gland. Mac Phee GB, et al. **Pharmacol Ther Dent** :191–200, 1975

Histochemically demonstrable changes in amylase activity in submaxillary salivary glands of puberal male mice following castration. Shear M, et al. **S Afr J Med Sci** 40(4):133–44, 1975

[Identification of a methionine residue as the reactive site for chymotrypsin in the double-headed proteinase inhibitor from the canine submandibular gland (author's transl)] Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1859–63, Dec 75 (Eng. Abstr.) **(Ger)**

[Double-reaction (acid phosphatase-peroxidase) in the acinar cells of the rat submaxillary salivary gland (electron microscopy cytochemical study)] Rogovin VV, et al. **Izv Akad Nauk SSSR [Biol]** (4):580–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

INNERVATION

Interaction between sympathetic and parasympathetic salivary nerves in anaesthetized dogs. Emmelin N, et al. **Arch Oral Biol** 21(1):27–32, 1976

Effects of heterologous cross-suture between the postganglionic sympathetic and the preganglionic parasympathetic nerve trunks of submandibular glands in cats. Kemplay SK, et al. **Cell Tissue Res** 167(2):197–210, 16 Mar 76

Proceedings: Changes in submandibular striated ducts of cats after nerve stimulation or denervation. Garrett JR, et al. **J Physiol (Lond)** 252(2):56P–58P, Nov 75

Effects of 6-hydroxydopamine Treatment at birth on the submaxillary gland of the rat. Perec CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(3):257–74, 17 Jul 75

METABOLISM

The influence of guanoxane on the submaxillary glands of rats. Another model of neurogenic sialoses. Arglebe C, et al. **Acta Otolaryngol (Stockh)** 81(5–6):507–12, May–Jun 76

Quantitative morphology and carbohydrate histochemistry of the mouse submandibular gland following prepubertal castration. Smith RJ, et al. **Am J Anat** 144(2):137–47, Oct 75

A simple and efficient method for the preparation of GDP-fucose. Prohaska R, et al. **Anal Biochem** 69(2):536–44, Dec 75

Effect of feeding a choline-deficient diet on submandibular salivary gland lipids of rats. Alam SQ, et al. **Arch Oral Biol** 20(8):531–5, Aug 75

The effects of a beta-sympatholytic substance, propranolol (Dociton), on protein and alpha-amylase content of the rat-submaxillary gland. Arglebe C, et al. **Arch Otorhinolaryngol (NY)** 211(2):149–51, 30 Nov 75

Evidence for electronogenic sodium pumping in the ductal epithelium of rabbit salivary gland and its relationship with (Na+ plus K+)-ATPase. Augustus J. **Biochim Biophys Acta** 419(1):63–75, 8 Jan 76

Rat submandibular gland kallikreins: purification and cellular localization. Brandtzaeg P, et al. **Br J Pharmacol** 56(2):155–67, Feb 76

Rate of protein synthesis in rat salivary gland cells after pilocarpine or feeding. II. Protein synthesis in vivo in cells of the submandibular and parotid gland after secretion. Kuijper-Lenstra AH, et al. **Cell Tissue Res** 164(4):447–56, 18 Dec 75

Rate of protein synthesis in rat salivary gland cells after pilocarpine or feeding. III. Protein synthesis in vitro in the submandibular and parotid gland after stimulation of secretion in vivo. Kuijper-Lenstra AH, et al. **Cell Tissue Res** 164(4):457–66, 18 Dec 75

Basic, proline-rich glycoproteins in the submandibular gland secretion of the Cercopithecus aethiops. Jacobsen N, et al. **Comp Biochem Physiol [B]** 54(3):423–5, 1976

Cytosol androgen binding in submandibular gland and kidney of the normal mouse and the mouse with testicular feminization. Verhoeven G, et al. **Endocrinology** 99(1):79–92, Jul 76

Regulation of protein secretion and metabolism in rat salivary glands. Effects of norepinephrine and carbachol on the glycogenolysis in submaxillary glands. Herman G, et al. **Eur J Biochem** 55(1):105–10, 16 Jun 75

Incorporation of (1-14C)palmitoyl-CoA into phosphatidylcholine by plasma membranes of rat submaxillary glands in vitro. Nijjar MS, et al. **Eur J Biochem** 61(1):175–9, 2 Jan 76

Movement of horseradish peroxidase in rabbit submandibular glands after ductal injection. Garrett JR, et al. **Histochem J** 8(2):177–89, Mar 76

Occurrence, isolation and identification of sialic acids and their involvement in glycoprotein biosynthesis. pp. 1075–91. Schauer R, et al.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.

Comparison of the arginine esteropeptidases associated with the nerve and epidermal growth factor. Server AC, et al. **J Biol Chem** 251(1):165–73, 10 Jan 76

Regulation of nerve growth factor synthesis in mouse submaxillary glands by testosterone. Ishii DN, et al. **J Neurochem** 25(6):843–51, Dec 75

A study of the mechanism of transport of diphenylhydantoin in the rat submaxillary gland in vitro. Allen MA, et al. **J Pharmacol Exp Ther** 197(2):408–13, May 76

Potassium release from the rat submaxillary gland in vitro. I. Induction by catecholamines. Martinez JR, et al. **J Pharmacol Exp Ther** 198(2):385–94, Aug 76

The occurrence of C19 steroids in testicular tissue and submaxillary glands of intersex pigs in relation to morphological characteristics. Booth WD, et al. **J Reprod Fertil** 46(1):115–21, Jan 76

Quantitation of submandibular proteins resolved from normal individuals and children with cystic fibrosis. Mayo JW, et al. **Nahrung** 20(1):507–13, 1976

Inhibition of sodium transport by angiotensin II in the main duct of the rabbit mandibular gland isolated and perfused in vitro. Healy JK, et al. **Pfluegers Arch** 363(1):69–73, 6 May 76

Partial dissociation between salivary secretion and active potassium transport in the perfused cat submandibular gland. Laugesen LP, et al. **Pfluegers Arch** 364(2):167–73, 30 Jul 76

Distribution and disappearance rate of submaxillary renin. Yoshida H, et al. **Proc Soc Exp Biol Med** 150(2):451–6, Nov 75

[In vivo metabolism of rat submaxillary gland phospholipids] Leclercq C, et al. **Biochimie** 58(3):359–65, 1976 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Mixed tumors of the salivary glands. Growth pattern and recurrence. Naeim F, et al. **Arch Pathol Lab Med** 100(5):271–5, May 76

A qualitative and quantitative electronmicroscopic study of the structure of the adenoid cystic carcinoma of human minor salivary glands. Chisholm DM, et al. **J Oral Pathol** 4(3):103–19, Oct 75

Squamous cell carcinoma of the submandibular gland. Marciani RD, et al. **J Oral Surg** 34(7):646–50, Jul 76

Histological effects of ductal ligation of salivary glands of the cat. Harrison JD, et al. **J Pathol** 118(4):245–54, Apr 76

Submandibular lymph gland manifestation with unsuspected sarcoidosis. Nitzan D, et al. **Oral Surg** 40(6):728–31, Dec 75

[Tumors of the submaxillary gland] Claux J, et al. **J Fr Otorhinolaryngol** 24(6):451–3, Jun 75 **(Fre)**

[Vitamin E deficiency and submandibular salivary glands of female rats] De Cruz A, et al. **Arch Latinoam Nutr** 25(2):187–97, Jun 75 (Eng. Abstr.) **(Por)**

[Cytologic analysis of the secretory epithelium of submaxillary salivary glands hypertrophied by repeated amputation of the lower incisors in rats] Savrova OB. **Biull Eksp Biol Med** 81(3):377–8, Mar 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vast and apparently paradoxical continuous rise in plasma renin after removal of gently manipulated submaxillary glands in nephrectomized mice. Bing J, et al. **Acta Pathol Microbiol Scand [A]** 84(3):285–90, May 76

Contraction of myoepithelial cells in secreting submandibular glands of dogs. Emmelin N, et al. **Experientia** 32(2):197–8, 15 Feb 76

The contribution of a chloride shunt to the transmucosal potential of the rabbit submaxillary duct. Slegers JF, et al. **J Membr Biol** 25(3–4):213–36, 1975–76

Proceedings: Supporting effects of salivary myoepithelial cells when acting against a head of pressure, in dogs. Emmelin N, et al. **J Physiol (Lond)** 256(1):34P–35P, Mar 76

Proceedings: Vascular permeability in the perfused cat salivary gland using single passage multiple tracer dilution. Mann GE, et al. **J Physiol (Lond)** 258(2):58P–59P, Jun 76

[Morphological study of lymphatic tissues after removal of the submandibular gland in the mouse (author's transl)] Sasaki K. **Hokkaido J Med Sci** 50(4):397–402, Jul 75 (Eng. Abstr.) **(Jpn)**

[Antiprotease activity of the inhibitor from dog submandibular salivary glands] Stefanov OV. **Ukr Biokhim Zh** 47(2):165–8, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

A restraining device for irradiating rats. Faulkner KD. **Aust Dent J** 20(1):19–21, Feb 75

RADIOGRAPHY

Submandibular sialography: an unusual complication. Corbett RH. **Br J Radiol** 48(576):1032–3, Dec 75

Cut-down sialography of the submandibular gland. Friedlander AH. **J Oral Surg** 34(6):555–6, Jun 76

[Ectopic sialoliths (author's transl)] Steinmann EP. **Praxis** 64(3):69–72, 21 Jan 75 (Eng. Abstr.) **(Ger)**

SECRETION

The regulation of kallikrein secretion from isolated submandibular gland slices by neurotransmitters, cyclic nucleotides and calcium. Bhoola KD, et al. **Adv Exp Med Biol** 70(00):59–64, 1976

Sympathetic nervous system and renin release from submaxillary glands in vitro. Michelakis AM, et al. **Am J Physiol** 231(2):551–4, Aug 76

Secretion of K and fluid by rat submaxillary during sympathetic nerve stimulation. Schneyer LH. **Am J Physiol** 229(4):1056–61, Oct 75

The relationship between the secretion of amylase and epidermal growth factor in the mouse submandibular salivary gland. Roberts ML, et al. **Arch Oral Biol** 20(10):693–4, Oct 75

Dopamine-induced amylase secretion from guinea-pig submandibular gland. Bloom GD, et al. **Br J Pharmacol** 54(4):523–8, Aug 75

Proceedings: Stimulus-secretion coupling in submandibular gland: role of cyclic AMP, cyclic GMP and calcium in regulating adrenoceptor mediated enzyme secretion. Albano J, et al. **J Physiol (Lond)** 254(1):10P–11P, Jan 76

Uptake, localization and secretagogic action of some biogenic amines in the submandibular and pancreatic glands of the guinea pig. Alm P, et al. **Med Biol** 54(3):210–6, Jun 76

Evidence for Na+ independent active secretion of K+ and HCO – 3 by rat salivary duct epithelium. Knauf H, et al. **Pfluegers Arch** 361(1):55–9, 19 Dec 75

Secretory responses to sympathetic stimulation of the cat's salivary glands in a state of resting secretion. Emmelin N, et al. **Q J Exp Physiol** 60(4):325–32, Oct 75

[Effects of adrenergic agents on secretion of salivary kallikrein in the submandibular gland of the dog] Hayashi T, et al. **Folia Pharmacol Jpn** 71(6):527–38, Sep 75 (Eng. Abstr.) **(Jpn)**

SURGERY

Hypoglycaemic effects of salivary duct ligation upon diabetes mellitus in mice. Hoshino K, et al. **Arch Oral Biol** 21(2):105–11, 1976

Tumor growth: suppression in mice by submanidibular gland extirpation. Arnason BG, et al. **J Natl Cancer Inst** 55(5):1203–5, Nov 75

A different approach to the management of submandibular gland disease. Kirschner EA. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):474–85, Sep–Oct 75

Removal of the parotid and mandibular salivary glands from a pony mare. Bracegirdle JR. **Vet Rec** 98(25):507, 19 Jun 76

ULTRASTRUCTURE

Morphological studies on the synthesis of secretory granules in convoluted tubules of mouse submandibular gland. Kaiho M, et al. **Anat Rec** 183(3):405–19, Nov 75

Cell differentiation in the terminal tubule of fetal rat submandibular gland in organ culture. Rufo MB, et al. **Anat Rec** 184(3):301–9, Mar 76

Ultrastructure of acinar cells of submaxillary gland after treatment with ACTH and cortisone. Kostulak A, et al. **Ann Med Sect Pol Acad Sci** 20(2):87–8, 1975

Cell proliferation, differentiation and transformation in the rat submandibular gland during early postnatal growth. A quantitative and morphological study. Alvares EP, et al. **Arch Histol Jpn** 38(3):177–208, Oct 75

Short-term effects of preganglionic sympathectomy on the structure of submandibular salivary acinar cells in rats. Garrett JR, et al. **Arch Oral Biol** 21(3):161–6, 1976

Ultrastructure of the salivary bladder of the nine-banded armadillo. Ruby JR, et al. **Cell Tissue Res** 169(3):383–94, 28 Jun 76

Diphenylhydantoin effects on salivary secretion and microsomal calcium accumulation and release. Watson EL, et al. **Eur J Pharmacol** 37(1):207–11, May 76

Biochemical and morphological studies of rat submandibular gland: I. Centrifugal fractionation of granule-rich fraction. Hanks CT, et al. **J Dent Res** 54(5):938–47, Sep–Oct 75

Ultrastructure of the main excretory duct of the cat submandibular gland. Tandler B, et al. **J Morphol** 149(2):183–97, Jun 76

[Proceedings: Intake of externally administered peroxidase by submandibular gland cells] Yamamoto S, et al. **J Physiol Soc Jpn** 36(8–9):352, 1 Sep 74 **(Jpn)**

[An electron microscopic study of the acinar cells of the submaxillary salivary glands of white rats] Kalinin VI, et al. **Arkh Anat Gistol Embriol** 69(7):63–7, Jun 75 (Eng. Abstr.) **(Rus)**

[Findings on the ultrastructure of the submandibular gland in man] Paz Ossorio R, et al. **An Esp Odontoestomatol** 34(6):457–80, Nov–Dec 75 **(Spa)**

SUBMARINE MEDICINE

see related
SEALED CABIN ECOLOGY

The application of threshold limit values for carbon monoxide under conditions of continuous exposure. Davies DM. **Ann Occup Hyg** 18(1):21–8, Aug 75

Psychological characteristics of deep submergence vehicle personnel. Biersner RJ, et al. **Aviat Space Environ Med** 46(10):1227–31, Oct 75

Dietary intake and energy requirement of Indian submariners in tropical waters. Malhotra MS, et al. **Ergonomics** 19(2):141–8, Mar 76

The incidence and epidemiology of tinea pedis in the crew of a nuclear submarine. Catterall MD. **J R Nav Med Serv** 61(2):92–7, Summer 75

A case of backache on Polaris patrol. Pace T. **J R Nav Med Serv** 61(2):83–4, Summer 75

Seroepidemiological studies of Polaris submarine crews. I. Acute respiratory infections. Sphar RL, et al. **Milit Med** 141(1):25–8, Jan 76

Seroepidemiological studies of polaris Submarine crews. II. Infectious mononucleosis. Storrie MC, et al. **Milit Med** 141(1):30–2, Jan 76

[Electrocardiographic studies of the work crews of the submarine laboratory 'Chernomor-72'] Aver'ianov VA, et al. **Gig Tr Prof Zabol** (7):52–3, Jul 76 **(Rus)**

[Prevention and treatment of injuries in submariners].Borisov SA. **Voen Med Zh** (4):60–3, Apr 76 **(Rus)**

[Dynamics of the blood acid-base equilibrium in submariners] Gumenik LI, et al. **Voen Med Zh** (7):57-8, Jul 75 **(Rus)**

[Enzymatic indices in submariners following a cruise] Ivanova VA, et al. **Voen Med Zh** (6):59-61, Jun 76 **(Rus)**

[Change in leukocyte intracellular metabolism in submariners] Kovardakov VM. **Voen Med Zh** (3):50-2, Mar 76 **(Rus)**

SUBMAXILLARY GLAND see **SUBMANDIBULAR GLAND**

SUBMERSION see **IMMERSION**

SUBMUCOUS PLEXUS

CYTOLOGY

Proceedings: Neural plexus in the tela submucosa and mucous membrane of the cat. Feher E.
Acta Morphol Neerl Scand 13(1-2):106, Mar 75

DRUG EFFECTS

Some effects of 5-hydroxytryptamine, dopamine and noradrenaline on neurones in the submucous plexus of guinea-pig small intestine. Hirst GD, et al.
J Physiol (Lond) 251(3):817-32, Oct 75

ENZYMOLOGY

The presence of aromatic L-amino acid decarboxylase in certain intestinal nerve cells. Costa M, et al.
Histochemistry 48(2):129-43, 12 Aug 76

PHYSIOLOGY

Synaptic potentials recorded from neurones of the submucous plexus of guinea-pig small intestine. Hirst GD, et al.
J Physiol (Lond) 249(2):369-85, Jul 75

[Compensatory-adaptive processes in the nervous elements of the intramural plexuses of the small intestine following resection of half of it] Malatsidze VSh.
Biull Eksp Biol Med 80(11):116-9, Nov 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural study of nerve terminals in the submucous plexus and mucous membrane after extirpation of the myenteric plexus. Fehèr E. **Acta Anat (Basel)** 94(1):78-88, 1976

SUBPHRENIC ABSCESS

Subphrenic abscess: a study of 241 patients at the Royal Prince Edward Hospital, 1950-73. Halliday P, et al.
Br J Surg 63(5):352-66, May 76

Subphrenic abscess: a surgical enigma. Smith EB.
J Natl Med Assoc 68(1):55-6, 63, Jan 76

[Subphrenic abscess. Apropos of 51 cases observed in a resuscitation unit] Germain A, et al. **Chirurgie** 101(11):800-10, Nov 75 (Eng. Abstr.) **(Fre)**

[Subdiaphragmatic abscess in children] Kuz'michev IuA. **Vestn Khir** 116(3):94-7, Mar 76 **(Rus)**

COMPLICATIONS

Pneumopericardium secondary to a fistula. Communication between pericardium and subphrenic-colonic abscess. Pfaff C, et al. **JAMA** 235(23k0):2522-3, 7 Jun 76

[Pleuropulmonary diffusion in some subdiaphragmatic suppurations] Georgescu P, et al. **Rev Chir [Chir]** 24(4):277-81, Jul-Aug 75 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Liver-lung scan in the diagnosis of right subphrenic abscess. Middleton HM 3d, et al. **Am J Dig Dis** 21(3):215-22, Mar 76

Efficacy of combined liver-lung scintillation imaging. Gold RP, et al. **Radiology** 117(1):105-11, Oct 75

ETIOLOGY

[Postoperative subphrenic abscess in children] Gruner M, et al. **Chirurgie** 102(5):368-9, May 76 **(Fre)**

[Postoperative subphrenic abscess. Study of 25 cases] Hollender LF, et al. **Chirurgie** 102(5):319-29, May 76 (Eng. Abstr.) **(Fre)**

[Subphrenic abscess due to Peptostreptococcus] Saito A, et al. **J Jpn Assoc Infect Dis** 49(10):394-9, Oct 74 (Eng. Abstr.) **(Jpn)**

[Severe complication of transbronchial puncture, corrected by surgery] Shmelev MM, et al. **Grudn Khir** (3):117-8, May-Jun 75 **(Rus)**

RADIOGRAPHY

Radiological case of the month. Subphrenic abcesses on the left. Smedresman P. **Am J Dis Child** 129(11):1333-4, Nov 75

SURGERY

The surgical management of subphrenic abscess: a historical study. Halliday P. **Aust NZ J Surg** 45(3):235-44, Aug 75

THERAPY

Treatment of subphrenic abscess. Bonfils-Roberts EA, et al. **Surg Clin North Am** 55(6):1361-6, Dec 75

SUBSEPSIS ALLERGICA see **WISSLER'S SYNDROME**

SUBSEPSIS HYPERERGICA see **WISSLER'S SYNDROME**

SUBSTANCE P

ANALOGS & DERIVATIVES

Synthesis and some biological activities of the tyrosine-8 analog of substance P. Fisher GH, et al. **J Med Chem** 19(2):325-8, Feb 76

ANALYSIS

Immunohistochemical evidence for substance P-containing nerve endings in the human cortex. Hökfelt T, et al.
Brain Res 104(1):181-6, 5 Mar 76

Evidence for substance P in the habenulo-interpeduncular tract. Mroz ED, et al. **Brain Res** 113(3):597-9, 3 Sep 76

Proceedings: Localization of substance P, somatostatin, pancreatic polypeptide and skin peptides. Polak JM.
J Endocrinol 70(1):13P-14P, Jul 76

Subcellular distribution of substance P in bovine hypothalamus and substantia nigra. Duffy MJ, et al.
J Neurochem 25(3):305-7, Sep 75

ANTAGONISTS & INHIBITORS

Is Lioresal (Baclofen) an antagonist of substance P? Fotherby KJ, et al. **Brain Res** 113(1):210-3, 20 AUG 76

Antagonism between Lioresal and substance P in rat spinal cord. Saito K, et al. **Brain Res** 97(1):177-80, 24 Oct 75

Is beta-(4-chlorophenyl)-GABA a specific antagonist of substance P on cerebral cortical neurons? Phillis JW.
Experientia 32(5):593-4, 15 May 76

IMMUNOLOGY

Presence of substance P-like immunoreactivity in plasma from man and dog. Nilsson G, et al.
Acta Physiol Scand 94(4):542-4, Aug 75

METABOLISM

Experimental immunohistochemical studies on the localization and distribution of substance P in cat primary sensory neurons. Hökfelt T, et al. **Brain Res** 100(2):235-52, 19 Dec 75

Substance p: localization in the central nervous system and in some primary sensory neurons. Hökfelt T, et al.
Science 190(4217):889-90, 28 Nov 75

PHARMACODYNAMICS

Influence of substance P on the response of guinea pig ileum to transmural nerve stimulation. Hedqvist P, et al.
Acta Physiol Scand 95(3):341-3, NOV 75

Effect of substance P on proximal tubular reabsorption in the rat. Arendshorst WJ, et al. **Am J Physiol** 230(6):1662-7, Jun 76

Substance P in the substantia nigra. Davies J, et al.
Brain Res 107(3):623-7, 14 May 76

Effects of substance P on functionally identified units in cat spinal cord. Henry JL. **Brain Res** 114(3):439-51, 24 Sep 76

Substance P and excitatory transmitter of primary sensory neurons. Otsuka M, et al.
Cold Spring Harbor Symp Quant Biol 40:135-43, 1975

Effects of neurotensin and substance P on plasma insulin, glucagon and glucose levels. Brown M, et al.
Endocrinology 98(3):819-22, Mar 76

The action of substance P on mesencephalic reticular and substantia nigral neurones of the rat. Walker RJ, et al.
Experientia 32(2):214-5, 15 Feb 76

Biological activity of C-terminal partial sequences of substance P. Bury RW, et al. **J Med Chem** 19(6):854-6, Jun 76

Effect of synthetic substance P on monoaminergic mechanisms in brain. Magnusson T, et al.
J Neural Transm 38(2):89-93, 1976

Growth hormone and prolactin release by substance P in rats. Kato Y, et al. **Life Sci** 19(3):441-6, 1 Aug 76

Substance P and analgesia. Stewart JM, et al. **Nature** 262(5571):784-5, 26 Aug 76

Stimulation of adenylate cyclase activity in different areas of human brain by substance P. Duffy MJ, et al.
Neuropharmacology 14(8):615-8, Aug 75

PHYSIOLOGY

Hypothalamic substance P as a candidate for transmitter of primary afferent neurons. Otsuka M, et al. **Fed Proc** 34(10):1922-8, Sep 75

Peptides: roles in neuronal excitability. Barker JL.
Physiol Rev 56(2):435-52, Apr 76

[Substance P—an old Swedish speciality with renewed currentness] Rosell S. **Lakartidningen** 73(24):2247, 9 Jun 76 **(Swe)**

SUBSTANTIA GELATINOSA see under **SPINAL CORD**

SUBSTANTIA NIGRA

Striato-nigral degeneration and Shy-Drager syndrome (idiopathic orthostatic hypotension). Vuia O.
Clin Neurol Neurosurg 78(3):196-203, 1975

Striato-nigral degeneration. Report of a case with an unusually short course and multiple system degenerations. Buonanno F, et al. **J Neurol Sci** 26(4):545-53, Dec 75

On the choice of so-called placebo solution for the intranigral microinjection in the rat. Wolfarth S, et al.
Pol J Pharmacol Pharm 28(1):27-36, Jan-Feb 76

ANALYSIS

Lipoprotein pigments—their relationship to ageing in the human nervous systems . II. The melanin content of pigmented nerve cells. Mann DM, et al. **Brain** 97(3):489-98, Sep 74

Subcellular distribution of substance P in bovine hypothalamus and substantia nigra. Duffy MJ, et al.
J Neurochem 25(3):305-7, Sep 75

Effects of oxotremorine after nigrostriatal lesions in rats. Westermann KH, et al. **Pol J Pharmacol Pharm** 27(4):413-7, Jul-Aug 75

[Topographical study on the distribution of gamma-aminobutyric acid (GABA) in the human substantia nigra] Kanazawa I. **Clin Neurol (Tokyo)** 15(9):625-34, Sep 75 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The identification of striatal and pallidal neurons projecting to substantia nigra. An experimental study by means of retrograde axonal transport of horseradish peroxidase. Grofová I. **Brain Res** 91(2):286-91, 27 Jun 75

The projections of the A8, A9 and A10 dopaminergic cell bodies: evidence for a nigral-hypothalamic-median eminence dopaminergic pathway. Kizer JS, et al.
Brain Res 108(2):363-70, 28 May 76

Demonstration of nigrotectal and nigroreticular projections in the cat by axonal transport of proteins. Rinvik E, et al. **Brain Res** 112(2):388-94, 13 Aug 76

Does nigro-spinal connection exist in the rat? A study using the retrograde and antegrade degeneration method in acute and chronic experiments. Petrovický P.
Folia Morphol (Praha) 24(1):53-61, 1976

Nigrothalamic projections in the monkey demonstrated by autoradiographic technics. Carpenter MB, et al.
J Comp Neurol 165(4):401-15, 15 Feb 76

The nigrostriatal projection in the cat. Part 1. Silver impregnation study. Usunoff KG, et al. **J Neurol Sci** 28(3):265-88, Jul 76

[Efferent pathways of the substantia nigra (author's transl)] Petrovický P. **Sb Lek** 77(11):329-44, Nov 75 (Eng. Abstr.) **(Cze)**

DRUG EFFECTS

Lack of tolerance or sensitization to the effects of chronic d-amphetamine on substantia nigra self-stimulation. Liebman JM, et al. **Behav Biol** 16(2):211-20, Feb 76

Substance P in the substantia nigra. Davies J, et al.
Brain Res 107(3):623-7, 14 May 76

Specificity of dopaminergic neuronal degeneration induced by intracerebral injection of 6-hydroxydopamine in the nigrostriatal dopamine system. Javoy F, et al.
Brain Res 102(2):201-15, 6 Feb 76

Retention disruption following post-trial picrotoxin injection into the substantia nigra. Kim HJ, et al. **Brain Res** 113(3):620-5, 3 Sep 76

Ascending catecholamine pathways and amphetamine-induced locomotor activity: importance of dopamine and apparent non-involvement of norepinephrine. Roberts DC, et al. **Brain Res** 93(3):441-54, 15 Aug 75

Rotatory behavior induced by glycine injected into the substantia nigra of the rat. Mendez JS, et al.
Exp Neurol 50(1):174-9, Jan 76

The action of substance P on mesencephalic reticular and substantia nigral neurones of the rat. Walker RJ, et al.
Experientia 32(2):214-5, 15 Feb 76

Action of neuroleptics on the nigro-neostriatal dopaminergic pathway. pp. 407-13. Andén NE, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. (51 ref.)

Partial selectivity of 6-OHDA induced neuronal degeneration after intraissular injection in the brain with special reference to the nigro-striatal dopamine system. Javoy F. **J Neural Transm** 37(3):219-27, 1975

Changes in amino acid sensitivity during polypeptide 'desensitisation'. Davies J, et al. **Nature** 262(5569):606-7, 12 Aug 76

Lithium differentially antagonises self-stimulation facilitated by morphine and (+)-amphetamine. Liebman JM, et al.
Nature 260(5547):161-3, 11 Mar 76

Nigro-neostriatal dopaminergic activity and axonal protein transport during morphinization and withdrawal in rats. Iwamoto ET, et al. **Proc West Pharmacol Soc** 18:288-93, 1975

Effects of neuroleptics on the nigroneostriatal and mesocortical dopaminergic systems. Glowinski J.
Res Publ Assoc Res Nerv Ment Dis 54:233-46, 1975 (57 ref.)

Reversal by L-dopa of impaired learning due to destruction of the dopaminergic nigro-neostriatal projection. Zis AP, et al. **Science** 185(4155):960-2, 13 Sept 74

[Specificity of the effect on the avoidance conditionning of

microinjections of 6-hydroxydopamine in rat nigro-striatal system] Echavarria-Mage MT, et al. **C R Acad Sci [D] (Paris)** 282(9):905-7, 1 Mar 76 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Ontogeny of monoamine neurons in the locus coeruleus, raphe nuclei and substantia nigra of the rat. II. Synaptogenesis. Lauder JM, et al. **J Comp Neurol** 163(3):251-64, 1 Oct 75

ENZYMOLOGY

Influence of methamphetamine on nigral and striatal tyrosine hydroxylase activity and on striatal dopamine levels. Kogan FJ, et al. **Eur J Pharmacol** 36(2):363-71, Apr 76

Distribution of choline acetyltransferase and glutamate decarboxylase within the substantia nigra and in other brain regions from control and Parkinsonian patients. Lloyd KG, et al. **J Neurochem** 25(6):789-95, Dec 75

Substantia nigra of the rat contains a dopamine sensitive adenylate cyclase. Phillipson OT, et al. **Nature** 261(5559):418-20, 3 Jun 76

Localization of acetylcholinesterase within dopamine containing neurons in the zona compacta of the substantia nigra. Butcher LL, et al. **Proc West Pharmacol Soc** 18:256-9, 1975

Dynamic changes in activity and amounts of tyrosine hydroxylase in the dopaminergic nigrostriatal system in response to axonal damage. Reis DJ, et al. **Trans Am Neurol Assoc** 100:229-31, 1975

GROWTH & DEVELOPMENT

Postnatal development of acetylcholinesterase in the caudate-putamen nucleus and substantia nigra of rats. Butcher LL, et al. **Brain Res** 106(2):223-40, 23 Apr 76

METABOLISM

Proceedings: Topographical study of the distribution of GABA in the human substantia nigra. Kanazawa I, et al. **Br J Pharmacol** 55(2):309P, Oct 75

Topographical study of the distribution of gamma-aminobutyric acid (GABA) in the human substantia nigra. A case study. Kanazawa I, et al. **Brain Res** 100(2):371-81, 19 Dec 75

Differential decrease of GABA in the substantia nigra and other discrete regions of the rabbit brain during the preictal period of methoxypyridoxine-induced seizures. Nitsch C, et al. **Brain Res** 105(1):173-8, 19 Mar 76

Effects of blocking nigrostriatal gamma-aminobutyric acid receptors. pp. 93-102. Pycock CJ. **In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975.** (30 ref.)

Development of the mesocortical and nigrostriatal dopaminergic systems following various 6-hydroxydopamine treatments. pp. 205-10. Thierry AM, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.**

Dopamine in substantia nigra and cortex after gamma-butyrolactone treatment. Peričić D, et al. **J Pharm Pharmacol** 28(6):527-30, Jun 76

Release of dopamine from dendrites in rat substantia nigra. Geffen LB, et al. **Nature** 260(5548):258-60, 18 Mar 76

Transmitter metabolism in substantia nigra after inhibition of dopaminergic neurones by butyrolactone. Hefti F, et al. **Nature** 263(5575):341-3, 23 Sep 76

Dopamine release in substantia nigra? Korf J, et al. **Nature** 260(5548):257-8, 18 Mar 76

Monitoring of transmitter metabolites by voltammetry in cerebrospinal fluid following neural pathway stimulation. Wightman RM, et al. **Nature** 262(5564):145-6, 8 Jul 76

Dopamine-sensitive adenylate cyclase occurs in a region of substantia nigra containing dopaminergic dendrites. Kebabian JW, et al. **Science** 193(4254):683-5, 20 Aug 76

Dopamine-containing neurons of the substantia nigra and their terminals in the neostriatum. Tennyson VM, et al. **UCLA Forum Med Sci** (18):227-64, 1975

PATHOLOGY

Autosomal dominant striatonigral degeneration. A clinical, pathologic, and biochemical study of a new genetic disorder. Rosenberg RN, et al. **Neurology (Minneap)** 26(8):703-14, Aug 76

[Autopsy case of familial cerebellar degeneration (Holmes' type) associated with degeneration of the putamen and substantia nigra] Nakamura H, et al. **Clin Neurol (Tokyo)** 15(10):705-12, Oct 75 (Eng. Abstr.) **(Jpn)**

[Quantitative studies of neurons of the substantia nigra and basal ganglia in parkinsonism] Togi H, et al. **Clin Neurol (Tokyo)** 16(4):311-8, Apr 76 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Proceedings: Analgesics and rotational behaviour in rats with unilateral substantia nigra lesions. Effects in the presence and absence of (+)-amphetamine. **Br J Pharmacol** 55(2):316P, Oct 75

Proceedings: Differences in circling responses following electrolytic and 6-hydroxydopamine lesions of the nigro-striatal pathway. Costall B, et al. **Br J Pharmacol** 55(2):289P-290P, Oct 75

Proceedings: Comparison of circling behaviour following unilateral inhibition of GABA-transaminase or discrete electroyltic lesioning in the rat substantia nigra. Dray A, et al. **Br J Pharmacol** 55(2):288P, Oct 75

Tail pinch-induced eating, gnawing and licking behavior in rats: dependence on the nigrostriatal dopamine system. Antelman SM, et al. **Brain Res** 99(2):219-37, 5 Dec 75

Attenuation of self-stimulation from substantia nigra but not dorsal tegmental noradrenergic bundle by lesions of sulcal prefrontal cortex. Clavier RM, et al. **Brain Res** 113(1):59-69, 20 AUG 76

Striatal evoked inhibition of identified nigro-thalamic neurons. Deniau JM, et al. **Brain Res** 104(1):152-6, 5 Mar 76

Evidence for the existence of a raphe projection to the substantia nigra in rat. Dray A, et al. **Brain Res** 113(1):45-57, 20 AUG 76

Unilateral 6-hydroxydopamine lesions of nigrostriatal or mesolimbic dopamine-containing terminals and the drug-induced rotation of rats. Kelly PH. **Brain Res** 100(1):163-9, 12 Dec 75

Alterations in neostriatum tyrosine hydroxylase activity and behavior induced by electrical stimulation of the substantia nigra. Schlehuber CJ, et al. **Brain Res** 91(2):341-7, 27 Jun 75

Unilateral electrolytic lesions of the substantia nigra cause contralateral circling in rats. Schwartz WJ, et al. **Brain Res** 105(2):358-61, 26 Mar 76

Circling behavior in rats with 6-hydroxydopamine or electrolytic nigral lesions, Iwamoto ET, et al. **Eur J Pharmacol** 37(2):339-56, Jun 76

Dopaminergic-cholinergic interactions in naloxone-induced circling in morphine-dependent rats with nigral lesions. Iwamoto ET, et al. **Eur J Pharmacol** 38(1):39-54, Jul 76

Excitatory nature of dopamine in the nigro-caudate pathway. Kitai ST, et al. **Exp Brain Res** 24(4):351-63, 26 Feb 76

Caudate evoked synaptic activities in nigral neurons. Frigyesi TL, et al. **Exp Neurol** 49(1 Pt 1):123-39, Oct 75

Regulation of synthesis and release processes in central catecholaminergic neurons. pp. 187-203. Glowinski J. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.** (82 ref.)

Study in awake monkeys of connections between the corpus striatum and pallidum with the substantia nigra and subthalamus. pp. 45-59. Ohye C, et al. **In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.**

Weight loss and lethality in rats with nigro-striatal bundle lesions: protection by morphine, haloperidol or alpha-methyl-para-tyrosine. pp. 61-8. Hynes MD, et al. **In: Singh JM, Lal H, ed. Drug addiction. Vol 4: New aspects of analytical and clinical toxicology. New York, Stratton, 1974. W3 IN917KC 1973d.**

Substantia nigra and the sensorimotor system (chemonigrectomies induced by intrategmental administration of the paraquinone of 6-hydroxy-dopamine and 6,7-dihydroxitryptamine in the cat and monkey.) Frigyesi TL, et al. **Int J Neurol** 10(1-4):98-114, 1975 (65 ref.)

Locomotor activity and speed of movements in relation to monoamine-acting drugs. Hassler R, et al. **Int J Neurol** 10(1-4):80-97, 1975 (36 ref.)

Effects of d- versus l-amphetamine, food deprivation, and current intensity on self-stimulation of the lateral hypothalamus, substantia nigra, and medial frontal cortex of the rat. Goodall EB, et al. **J Comp Physiol Psychol** 89(9):1029-45, Nov 75

Effects of electrical stimulation of the nigrostriatal pathway of the rat on dopamine metabolism. Korf J, et al. **J Neurochem** 26(3):579-84, Mar 76

Synaptic mechanisms in the substantia nigra. Dray A, et al. **J Pharm Pharmacol** 28(4 SUPPL):400-5, Apr 76

Circling behavior after narcotic drugs and during naloxone-precipitated abstinence in rats with unilateral nigral lesions. Iwamoto ET, et al. **J Pharmacol Exp Ther** 197(3):503-16, Jun 76

Proceedings: A raphe-substantia nigra projection in the rat. Dray A, et al. **J Physiol (Lond)** 257(1):29P-30P, May 76

Caudate stimulation and substantia nigra activity in the rat. Dray A, et al. **J Physiol (Lond)** 259(3):825-49, Aug 76

Turning in circles: the neuropharmacology of rotation. Glick SD, et al. **Life Sci** 18(9):889-96, 1 May 76 (68 ref.)

Stimulation by dopamine of adenosine cyclic 3',5'-monophosphate formation in rat caudate nucleus: effect of lesions of the nigro-neostriatal pathway. Krueger BK, et al. **Mol Pharmacol** 12(4):639-48, Jul 76

Attenuation of amphetamine anorexia by unilateral nigral striatal lesions. Carey RJ, et al. **Neuropharmacology** 14(11):827-34, Nov 75

Ventral midbrain stimulation, blood pressure responses and their relation to the dopaminergic nigro-striatal pathways. Spring A, et al. **Pfluegers Arch** 358(4):339-48, 12 Aug 75

Excitatory and inhibitory effects of globus pallidus and substantia nigra on the lateral hypothalamic activity in the rat. Oomura Y, et al. **Pharmacol Biochem Behav** 3(1 Suppl):23-36, 1975

Lesions of the nigro-neostriatal dopamine neurons or the bulbo-spinal norepinephrine and 5-hydroxytryptamine neurons in rats: action of drugs. Andén NE. **Pharmacol Ther [B]** 1(3):371-80, 1975 (51 ref.)

Electrophysiology of the nigro-caudate dopamine pathway. Connor JD. **Pharmacol Ther [B]** 1(3):357-70, 1975 (46 ref.)

Antiparkinsonian drugs and dopaminergic neostriatal mechanisms: studies in rats with unilateral 6-hydroxydopamine (=6-OH-DA)-induced degeneration of the nigro-neostriatal DA pathway and quantitative recording of rotational behaviour. Fuxe K, et al. **Pharmacol Ther [B]** 2(1):41-7, 1976 (31 ref.)

Lesions of the nigro-striatal dopamine pathway: effects on the storage and metabolism of striatal dopamine. Goldstein M, et al. **Pharmacol Ther [B]** 2(1):89-95, 1976

Monkeys with nigrostriatal lesions effects of monoaminergic drugs. Goldstein M, et al. **Pharmacol Ther [B]** 2(1):97-103, 1976 (18 ref.)

Monkeys with nigrostriatal lesions: tremor induced by harmaline and other drugs. Poirier LJ, et al. **Pharmacol Ther [B]** 2(1):105-122, 1976 (60 ref.)

6-hydroxydopamine-induced degeneration of the nigrostriatal dopamine pathway: the turning syndrome. Ungerstedt U. **Pharmacol Ther [B]** 2(1):37-40, 1976 (19 ref.)

Electrophysiology of the nigro-putamen dopamine pathway. York DH. **Pharmacol Ther [B]** 2(1):1-7, 1976 (14 ref.)

Stimulants and lesions of the substantia nigra and red nucleus. Isaac W, et al. **Physiol Behav** 15(5):471-4, Oct 75

Dopaminergic effects of phencyclidine in rats with nigrostriatal lesions. Kanner M, et al. **Psychopharmacol Commun** 1(4):393-401, 1975

d-Amphetamine-induced inhibition of central dopaminergic neurons: mediation by a striato-nigral feedback pathway. Bunney BS, et al. **Science** 192(4237):391-3, 23 Apr 76

[Participation of rat cerebral dopaminergic structures in the process of reproducing conditioned passive avoidance reactions] Spiridonov VK. **Neirofiziologiia** 8(2):209-11, 1976 **(Rus)**

ULTRASTRUCTURE

Ultrastructure of the Gunn rat substantia nigra. II. Mitochondrial changes. Batty HK, et al. **Acta Neuropathol (Berl)** 34(1):7-19, 31 Jan 76

Ultrastructure of the Gunn rat substantia nigra I. Cytoplasmic changes. Batty HK, et al. **Acta Neuropathol (Berl)** 35(2):93-107, 15 Jun 76

[Double-barrelled connections between the striatum and substantia nigra in the light and electron microscopy picture in the cat] Hassler R, et al. **Anat Anz** 137(4):357-68, 1975 (Eng. Abstr.) **(Ger)**

[6 different types of synapses in electron microscopy transverse sections of substantia nigra in the rat] Hassler R, et al. **Verh Anat Ges** 68:315-8, 1974 **(Ger)**

SUBTILISINS

The hydrolysis of human IgG with subtilisin. Waller M, et al. **Am J Clin Pathol** 64(3):358-64, Sep 75

Isolation of the S-peptide formed on digestion of fructose 1,6-bisphosphatase with subtilisin and its non-covalent association with the enzyme protein. Dzugaj A, et al. **Biochem Biophys Res Commun** 70(2):638-46, 17 May 76

Modification of native sheep liver fructose-1,6-bisphosphatase by subtilisin. Zalitis J. **Biochem Biophys Res Commun** 70(2):323-30, 17 May 76

Denaturation of subtilisin BPN' and its derivatives in aqueous guanidine hydrochloride solutions. Ikai A. **Biochim Biophys Acta** 445(1):182-93, 12 Aug 76

Specific fluorescent derivatives of macromolecules. A fluorescence study of some specifically modified derivatives of chymotrypsin, trypsin and subtilisin. Vaz WL, et al. **Biochim Biophys Acta** 439(1):206-18, 19 Jul 76

Limited proteolysis of yeast phosphofructokinase by subtilisin. Alterations in enzyme activity, subunit composition, and hydrodynamic properties. Taucher M, et al. **Eur J Biochem** 59(2):319-25, 15 Nov 75

Subtilisin-catalyzed removal of phosphorylated site of pig liver pyruvate kinase without inactivation of the enzyme. Bergström G, et al. **FEBS Lett** 56(2):288-91, 15 Aug 75

Elementary processes in the interaction of serine protease with a possible transition state analog. Subtilisin-benzeneboronic acid system. Nakatani H, et al. **J Biochem (Tokyo)** 78(3):611-6, Sep 75

Acylation of subtilisin Carlsberg by phenyl esters. Matta MS, et al. **J Biol Chem** 251(4):1006-8, 25 Feb 76

X-ray crystallographic study of boronic acid adducts with subtilisin BPN' (Novo). A model for the catalytic transition state. Matthews DA, et al. **J Biol Chem** 250(18):7120-6, 25 Sep 75

Polypeptide halomethyl ketones bind to serine proteases as analogs of the tetrahedral intermediate. X-ray crystallographic comparison of lysine- and phenylalanine-polypeptide chloromethyl ketone-inhibited subtilisin. Poulos TL, et al. **J Biol Chem** 251(4):1097-103, 25 Feb 76

Conformational flexibility and protein folding: rigid structural fragments connected by flexible joints in subtilisin BPN. Honig B, et al. **Proc Natl Acad Sci USA** 73(6):1974-8, Jun 76

ANALYSIS

Subtilopeptidase A isoenzyme system. Interaction with serum components and its importance for quantitative immunoelectrophoresis. Verbruggen R. **Biochem J** 151(1):149-55, Oct 75

Flash photolysis of enzymes. Grossweiner LI, et al. **Int J Radiat Biol** 29(1):1-16, Jan 76

ANTAGONISTS & INHIBITORS

Peptide hydrogen exchange rates in Streptomyces subtilisin inhibitor. Akasaka K, et al. **Biochim Biophys Acta** 412(1):120-6, 18 Nov 75

Structure and fluctuation of a Streptomyces subtilisin inhibitor. Nakanishi M, et al. **Biochim Biophys Acta** 434(2):365-76, 15 Jun 76

Natural plant enzyme inhibitors: Part II-protease inhibitors of seeds. Sumathi S, et al. **Indian J Biochem Biophys** 13(1):52-6, Mar 76

Proceedings: Reaction of phenylmethanesulfonyl subtilisin with hydrogen peroxide. Jacobus S. **Isr J Med Sci** 11(11):1168-9, Nov 75

Isolation and some properties of a subtilisin inhibitor from barley. Yoshikawa M, et al. **J Biochem (Tokyo)** 79(4):765-73, Apr 76

BIOSYNTHESIS

[Bacillus subtilis mutant strains, producers of alkaline proteinases] Alikhanian SI, et al. **Genetika** 10(1):119-22, Jan 74 (Eng. Abstr.) **(Rus)**

[Regulation of alkaline protease synthesis in Bacillus subtilis A-50] Dobrzhanskaia EO, et al. **Genetika** 11(7):135-44, 1975 **(Rus)**

IMMUNOLOGY

Prick- and radioallergsorbent tests (RAST) to Alcalase in a population not exposed to enzyme detergents. Simesen B, et al. **Acta Allergol (Kbh)** 31(1):71-7, Feb 76

The antigen-binding capacity of serum IgG. An immunosorbent method applied to subtilisin as antigen. Jacoby B, et al. **J Immunol Methods** 11(1):37-48, 1976

ISOLATION & PURIFICATION

Agarose electrophoresis of subtilisin Carlsberg in veronal buffer at pH 6.5. Verbruggen R, et al. **Anal Biochem** 70(1):144-55, Jan 76

[Separation and characteristics of the proteolytic enzymes of Bacillus subtilis] Shishkova EA, et al. **Prikl Biokhim Mikrobiol** 11(5):711-6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Assay of proteolytic enzyme with a leucine-selective electrode. Chien PT, et al. **Anal Biochem** 68(2):626-31, Oct 75

Preparation and enzymatic properties of subtilisin Novo chemically attached to soluble DEAE-dextran and insoluble DEAE-sephadex. Svensson B. **Biochim Biophys Acta** 429(3):954-63, 13 May 76

Some properties of a protease (subtilisin BPN') immobilized to porous glass. Chapman JD, et al. **Biotechnol Bioeng** 17(12):1783-95, Dec 75

Reactivity of the essential SH-group of thiol-enzymes: ion-pair formation as a source of the enhanced nucleophilicity. pp. 43-9. Polgár L. **In: Keleti T. ed. Mechanism of action and regulation of enzymes. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.32.**

Use of N-benzoyl-L-tyrosine thiobenzyl ester as a protease substrate. Hydrolysis by alpha-chymotrypsin and subtilisin BPN. Farmer DA, et al. **J Biol Chem** 250(18):7366-71, 25 Sep 75

[Study of properties of heat activated enzyme preparations] Popadich IA, et al. **Prikl Biokhim Mikrobiol** 11(2):303-6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Protease digestion of membranes. Ultrastructural and biochemical effects. Yamanaka N, et al. **Biochim Biophys Acta** 426(1):132-47, 19 Feb 76

THERAPEUTIC USE

Management of amputation-stump breakdown. Kerstein MD. **Am Surg** 41(9):581-3, Sep 75

SUBTRACTION TECHNIC

Photographic subtraction. I. Theory of the subtraction image. Hardstedt C, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):559-64, Nov 75

'Subtraction distension macrodacrvocystography, with simultaneous intubation-injection in the four canaliculi using an infusion pump'. Tawfik W, et al. **Bull Ophthalmol Soc Egypt** 68:587-99, 1975

Photographic magnification of 35-mm cineangiographic frames utilizing subtraction film. Embi A, et al. **Chest** 69(5):704-5, May 76

Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography. Penn RD, et al. **J Neurosurg** 44(4):449-57, Apr 76

Letter: Improved localisation by subtraction of E.M.I. scans. Firth JL, et al. **Lancet** 2(7935):609, 27 Sep 75

Subtraction angiography of the orbit. Ziedses des Plantes BG. **Mod Probl Ophthalmol** 14:74-82, 1975

Value of subtraction in brachiocephalic angiography. Vanhoutte JJ. **South Med J** 68(8):1037-8, Aug 75

[Substraction in gastrointestinal angiography (author's transl)] Clément JP, et al. **J Radiol Electrol Med Nucl** 57(6-7):539-44, Jun-Jul 76 (Eng. Abstr.) **(Fre)**

[Radioangiography with subtraction in the diagnosis of tumors and inflammation of the bone] Tregubov GI. **Med Radiol (Mosk)** 20(8):49-51, Aug 75 **(Rus)**

METHODS

Photographic subtraction. II. Technical aspects and method. Hårdstedt C, et al. **Acta Radiol [Diagn] (Stockh)** 1F(1):101-6, Jan 76

Computer subtraction in regional cerebral blood-volume measurements using the EMI-Scanner. Zilkha E, et al. **Br J Radiol** 49(580):330-4, Apr 76

The subtraction mask in single-order radiographic image subtraction. Jenkins DJ. **Radiography** 42(497):105-10, May 76

SUCCINATE CYTOCHROME C OXIDOREDUCTASE see under **OXIDOREDUCTASES**

SUCCINATE DEHYDROGENASE

Biochemical and EPR probes for structure-function studies of iron sulfur centers of succinate dehydrogenase. King TE, et al. **Adv Exp Med Biol** 74:182-227, 1976 (98 ref.)

Reactivity of the sulfhydryl groups of soluble succinate dehydrogenase. Vinogradov AD, et al. **Eur J Biochem** 63(2):365-71, 1 Apr 76

Proceedings: Rhodanese modifications in interaction with succinate dehydrogenase. Bonomi F, et al. **Ital J Biochem** 25(2):169-70, Mar-Apr 76

Localization of the substrate and oxalacetate binding site of succinate dehydrogenase. Kenney WC, et al. **J Biol Chem** 251(8):2369-73, 25 Apr 76

Thermodynamic and EPR characteristics of a HiPIP-type iron-sulfur center in the succinate dehydrogenase of the respiratory chain. Ohnishi T, et al. **J Biol Chem** 241(7):2105-9, 10 Apr 76

Thermodynamic and EPR characteristics of two ferredoxin-type iron-sulfur centers in the succinate-ubiquinone reductase segment of the respiratory chain. Ohnishi T, et al. **J Biol Chem** 241(7):2094-104, 10 Apr 76

ANALYSIS

Proceedings: Development of histochemical profiles in cat jaw muscles. Cody FW, et al. **J Physiol (Lond)** 258(2):83P-84P, Jun 76

A histochemical study of succinate dehydrogenase in mouse oocytes and early embryos. Vivarelli E, et al. **J Reprod Fertil** 47(1):149-50, May 76

Filter paper adsorption method for detecting activity of several enzymes on the gastric mucosa. Kamino K, et al. **Osaka City Med J** 21(2):111-7, 1975

Selective vulnerability of the hippocampus to hypoxia: cytophotometric studies of enzyme activity in single neurones. Penny JE, et al. **Proc Aust Assoc Neurol** 11:177-81, 1974

Effect of low dose x-irradiation on the succinate dehydrogenase activity of guinea pig, rat and mouse tissues. Shah VC, et al. **Strahlentherapie** 152(1):83-91, Jul 76

[Enzyme activity in cell cultures infected with herpesvirus suis] Tatarov G, et al. **Arch Exp Veterinaermed** 29(4):483-9, 1975 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Three genes determine the carboxin sensitivity of mitochondrial succinate oxidation in aspergillus nidulans. Gunatilleke IA, et al. **Genet Res** 26(3):297-305, Dec 75

On the mechanism of action of the respiratory inhibitor RF from rabbit reticulocytes. pp. 593-7. Schewe T, et al. **In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.**

BIOSYNTHESIS

Changes in mitochondrial density and succinic dehydrogenase activity in Euglena gracilis as a function of the dependency on light for growth. Brown GE, et al. **Arch Microbiol** 104(3):233-6, 28 Aug 75

Effect of glucose and cyclic adenosine 3',5'-monophosphate on the synthesis of succinate dehydrogenase and isocitrate lyase in Escherichia coli. Takahashi Y. **J Biochem (Tokyo)** 78(5):1097-100, Nov 75

BLOOD

Cytoenzymochemical effects of some antiblastic drugs and prediction of response to chemotherapy in acute leukemias. Micu D, et al. **Rev Roum Med [Med Intern]** 13(3):199-203, 1975

Serum enzyme activities and hepatic triglyceride levels in acute and subacute acetaminophen-treated rats. Buttar HS, et al. **Toxicology** 6(1):9-20, Jun 76

[Enzymatic and immunologic activity of lymphocytes during chemical carcinogenesis] Airapet'ian GP, et al. **Biull Eksp Biol Med** 81(5):591-4, May 76 (Eng. Abstr.) **(Rus)**

[Mechanism of changes in lymphocyte dehydrogenase activity during heart transplantation] Frolova MA, et al. **Biull Eksp Biol Med** 81(4):423-5, 1976 (Eng. Abstr.) **(Rus)**

[New supravital methods of cytochemical analysis of the activity of lactate dehydrogenase and succinate dehydrogenase in the blood cells] Borisova MA, et al. **Lab Delo** (12):723-5, 1975 **(Rus)**

[Dynamics of the activity of certain dehydrogenases in bronchial asthma of children] Safronova ON, et al. **Pediatriia** (10):34-5, Oct 75 **(Rus)**

[Activity of the enzymes glutamate and succinate dehydrogenase in the blood serum of newborns with intracranial birth injuries and asphyxia] Budyka LA, et al. **Vopr Okhr Materin Det** 20(8):44-6, Aug 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Affinity chromatography of succinate dehydrogenase from the membranes of Micrococcus lysodeikticus. Linder R, et al. **Prep Biochem** 5(4):349-57, 1975

METABOLISM

Succinic dehydrogenase activity of the respiratory muscles of a fresh-water teleost, Bagarius bagarius (Ham.) (Sisoridae, Pisces). Datta Munshi JS, et al. **Acta Anat (Basel)** 92(4):543-59, 1975

The foetal mitochondrial apparatus. (I) Dehydrogenase activity in foetuses of the white rat, in relation to their position of uterine implantation. Colombo R, et al. **Acta Embryol Exp (Palermo)** (3):171-6, 1975 (Eng. Abstr.)

Skeletal muscle fiber types in the adult mouse. Sher J, et al. **Acta Neurol Scand** 54(1):45-56, Jul 76

Correlation of enzyme histochemical and structural segmentation in the proximal convoluted tubule of the rat kidney. Enzyme activity compared to the freeze-dried structure of serial-sectioned normal rat nephrons. Norgaard T. **Acta Pathol Microbiol Scand [A]** 84(2):172-82, Mar 76

Comparison of the effects of physical exercise, cold acclimation and repeated injections of isoprenaline on rat muscle enzymes. Harri MN, et al. **Acta Physiol Scand** 95(4):391-9, Dec 75

Quantitative measures of enzyme activities in type I and type II muscle fibres of man after training. Henriksson J, et al. **Acta Physiol Scand** 97(3):392-7, Jul 76

Liver and heart mitochondrial succinate dehydrogenase activity of newborn rats in anoxic hypoxia and starvation. Kinnula VL, et al. **Acta Physiol Scand** 97(3):357-61, Jul 76

The effect of physical training on skeletal muscle enzyme composition in pigs. Jorgensen PF, et al. **Acta Vet Scand** 16(3):368-78, 1975

Factors controlling the turnover number of succinate dehydrogenase: a new look at an old problem. Ackrell BA, et al. **Adv Exp Med Biol** 74:161-81, 1976

Cytochemical differentiation of muscle fibers by succinic dehydrogenase (SDH) activity in the respiratory muscles of an air-breathing fish, Channa punctatus (Bloch). Ojha J, et al. **Anat Anz** 138(1-2):62-8, 1975

Changes of some hepatic and renal mitochondrial enzymes following infection or vaccination with Coxiella burneti. Dumitrescu-Constantinescu S, et al. **Arch Roum Pathol Exp Microbiol** 34(4):349-56, Dec 75

Characteristics of a succinate-di chlorophenolinophenol reductase reconstituted with bovine heart electron transport components. Cunningham CC, et al. **Biochem Biophys Res Commun** 66(2):778-84, 16 Sep 75

Carboxins: powerful selective inhibitors of succinate oxidation in animal tissues. Mowery PC, et al. **Biochem Biophys Res Commun** 71(1):354-61, 12 Jul 76

On the possible interrelations of the reactivity of soluble succinate dehydrogenase with ferricyanide, reconstitution activity, and the Hipip iron sulfur center. Vinogradov AD, et al. **Biochem Biophys Res Commun** 67(2):803-9, 17 Nov 75

The effect of opposing effectors on activation level of succinate dehydrogenase: equilibrium and kinetic studies. Gutman M. **Biochemistry** 15(6):1342-8, 23 Mar 76

An enzyme kinetics and 19F nuclear magnetic resonance study of selectively trifluoroacetylated cytochrome c derivatives. Staudenmayer N, et al. **Biochemistry** 15(15):3198-205, 27 Jul 76

Vanadate inhibition of mitochondrial succinate dehydrogenase and dicarboxylate carrier. Velours J, et al. **Biochimie** 57(8):975-8, 1975

Development of gluconeogenic enzymes in the newborn guinea pig. Robinson BH. **Biol Neonate** 29(1-2):48-55, 1976

The succinic dehydrogenase and cytochrome c oxidase activities of guinea-pig skin after mild heat damage. Carney SA, et al. **Br J Dermatol** 94(3):295-9, Mar 76

Influence of malathion on phosphatase and succinic dehydrogenase in preirradiated rats. Gupta PK, et al. **Environ Physiol Biochem** 5(6):370-2, 1975

Physiological studies on the effects of nutritional imbalance on the central nervous system. II. Effects of thiamine deficiency on oxidative enzymes in the brain of chicken, Gallus domesticus. Nalini UP, et al. **Experientia** 32(2):198-9, 15 Feb 76

Accelerated catalysis by active succinate dehydrogenase: a reflection of a novel regulatory site. Gopher A, et al. **FEBS Lett** 67(2):130-3, 15 Aug 76

Mitochondria and respiratory and hydrolytic enzymes in the cells of the olfactory epithelium in the pike. Zielińska K. **Folia Morphol (Warsz)** 35(1):21-9, 1976

Succinate dehydrogenase activity in the developing molar of the Mongolian gerbil Meriones unguiculatus. Hiatt JL. **Histochem J** 8(2):103-12, Mar 76

Quantification of changes in enzyme activity induced by drug action. Trickey RJ, et al. **Histochem J** 8(4):367–72, Jul 76

Phosphofructokinase and succinate dehydrogenase activities of normal and diabetic rat skeletal muscle. Ianuzzo CD, et al. **Horm Metab Res** 8(3):244–5, May 76

Some aspects of regulation of succinate dehydrogenase activity in gastrocnemius muscle of frog. Prameelamma Y, et al. **Indian J Exp Biol** 13(2):177–9, Mar 75

Succinic dehydrogenase and glucose-6-phosphate dehydrogenase activities in brain of mice after administration of Salmonella typhi endotoxin. Nag AK, et al. **Indian J Med Res** 64(1):9–16, Jan 76

Proceedings: Novel mechanism affecting the catalytic activity of mitochondrial succinate dehydrogenase. Gopher A, et al. **Isr J Med Sci** 11(11):1179, Nov 75

Skeletal muscle enzymes and fiber composition in male and female track athletes. Costill DL, et al. **J Appl Physiol** 40(2):149–54, Feb 1976

Correlation of the effects of citric acid cycle metabolites on succinate oxidation by rat liver mitochondria and submitochondrial particles. Hillar M, et al. **J Bioenerg** 7(1):1–16, Mar 75

Mechanism of the reductive activation of succinate dehydrogenase. Ackrell BA, et al. **J Biol Chem** 250(18):7114–9, 25 Sep 75

Histoenzymatic changes in liver in acute poisoning with furfural. Jonek JJ, et al. **Morphol Embryol (Bucur)** 21(1):47–51, 1975

Relationships between the changes of some oxidative and hydrolytic enzymes in the kidney of irradiated rat. Olinic A. **Morphol Embryol (Bucur)** 22(3):205–8, Jul–Sep 76 (Eng. Abstr.)

The effect of pre- and postnatal undernutrition on the development of the cerebellar cortex in the rat. II. Histochemical observations. Persson L, et al. **Neurobiology** 5(3):151–66, Jun 75

Effect of phenytoin on succinic dehydrogenase activity in rat cerebellum. Karkos J. **Pol Med Sci Hist Bull** 15(1):45–8, Jan–Feb 75

Lipophilic and respiratory properties of NADH and succinate dehydrogenase sites in mitochondria from various tissues of the rat. Higgins ES, et al. **Proc Soc Exp Biol Med** 152(2):221–3, Jun 76

The effect of malonate on succinic dehydrogenase (SDH) activity during the multiplication of influenza and herpes viruses in the embryonate hen egg. Prahoveanu E, et al. **Rev Roum Virol** 25(3):247–53, 1974

Work capacity, muscle strength and SDH activity in both legs of hemiparetic patients and patients with Parkinson's disease. Saltin B, et al. **Scand J Clin Lab Invest** 35(6):531–8, Oct 75

[Enzyme activity of cell cultures infected with Herpes suum virus] Tatarov G, et al. **Vet Med Nauki** 11(10):65–71, 1974 (Eng. Abstr.) **(Bul)**

[Effects of partial hepatectomy on the adrenal glands. Note II. Histoenzymological modifications] Crăciun O, et al. **Morphol Embryol (Bucur)** 21(2):135–7, 1975 **(Fre)**

[Studies on the distribution of glycogen phosphorylase and succinate dehydrogenase in the humeral epiphysis of various-age rats] Fischer G. **Acta Anat (Basel)** 92(3):321–8, 1975 (Eng. Abstr.) **(Ger)**

[Behavior of succinate dehydrogenase in the embryonic enchondral ossification in man] Dunaj W. **Chir Narzadow Ruchu Ortop Pol** 40(6):699–705, 1975 (Eng. Abstr.) **(Pol)**

[Effect of organophosphate insecticides on cytochrome oxidase and succinate dehydrogenase activity in rat and hen brain] Sitkiewicz D, et al. **Rocz Panstw Zakl Hig** 27(3):277–86, 1976 (Eng. Abstr.) **(Pol)**

[Age and the succinate dehydrogenase activity of human cardiac neurons] Uglova MV. **Arkh Anat Gistol Embriol** 70(1):50–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Reaction ability and alkylation kinetics of sulfhydride groups of soluble succinate dehydrogenase] Gavrikova EV, et al. **Biokhimiia** 40(6):1193–204, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Iron and copper metabolism and the activity of some hemoproteins and of succinate dehydrogenase in the chronic lead poisoning of white rats] Makarov VK, et al. **Biol Nauki** (6):36–43, 1976 **(Rus)**

[Succinate dehydrogenase activity of isolated myocardial mitochondria during chronic insufficiency] Kleimenova NN, et al. **Biull Eksp Biol Med** 81(1):37–40, Jan 76 (Eng. Abstr.) **(Rus)**

[Histotopography of changes in the enzyme activity of rat brain exposed to fluorophenazine] Liubimov BI, et al. **Biull Eksp Biol Med** 80(12):38–41, Dec 75 (Eng. Abstr.) **(Rus)**

[Inhibiting effects of aromatic sulfides, sulfoxides and sulfones on the biochemical systems of Fasciola hepatica] Benediktov II. **Med Parazitol (Mosk)** 44(4):473–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Functional-morphological changes in the mucous membrane of the gastrointestinal tract in experimental reproduction of the iron-deficiency state] Ryss ES. **Patol Fiziol Eksp Ter** (1):37–40, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Significance of the determination of the activity of leukocytes enzymes in the prognosis of acute leukemia in children] Nikulina LD. **Probl Gematol Pereliv Krovi** 20(3):37–40, Mar 75 **(Rus)**

[Lymphocyte metabolism and its relation to the pathogenesis of the nephrotic syndrome] Komissarova IA, et al. **Vestn Akad Med Nauk SSSR** (6):48–52, 1975 (Eng. Abstr.) **(Rus)**

[State of the horns in cattle in the normal state and in deformations] Borisevich VB. **Veterinariia** (6):98–100, Jun 75 **(Rus)**

[Succinate dehydrogenase and Na+-K+-ATPase activities in cells of rat kidney tubules during increased excretion of sodium, caused by furosemide] Krestinskaya TV, et al. **Vopr Med Khim** 21(4):375–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Morpho-histochemical changes in the placenta in hypotension of pregnancy] Gaĭstruk AN. **Vopr Okhr Materin Det** 20(8):87, Aug 75 **(Rus)**

[Changes in the activity of succinate dehydrogenase in the cells of different brain structures under the effect of UHF field of low intensity] Belokrinitskiĭ VS, et al. **Vrach Delo** (3):127–31, Mar 76 (Eng. Abstr.) **(Rus)**

[Immunomorphological and histoenzymological study of adrenaline-induced myocardial necrosis] Nanaev AK. **Zdravookhr Kirg** (2):31–4, Mar–Apr 75 **(Rus)**

[Effect of a mixed E. coli O-111 (RNA-azopositive and RNA-azonegative strains) and Coxsackie B3 viral infection on oxygen demand and on the succinate dehydrogenase activity of an HEp-2 cell culture according to polarographic study data] Essel' AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):50–5, Oct 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Protection by GABA and succinic semialdehyde of seed germination and some enzymatic activities against high concentration of hydroxylamine. Cañadas S, et al. **Rev Esp Fisiol** 32(2):91–4, Jun 76

SUCCINATES

Effect of succinylation (3-carboxypropionylation) on the conformation and immunological activity of ovalbumin. Kidwai SA, et al. **Biochem J** 155(1):171–80, 1 Apr 76

Lateral conductivity of lamellar mesophases in lipid—water systems. Lundström I, et al. **Chem Phys Lipids** 15(1):1–4, Sep 75

Succinylation of glyceraldehyde-3-phosphate dehydrogenase from Bacillus stearothermophilus. A reactive threonine residue in the apoenzyme. Allen G, et al. **Eur J Biochem** 62(3):601–12, 1 Mar 76

Preparation of monovalent succinyl-concanavalin A and its mitogenic activity. Beppu M, et al. **J Biochem (Tokyo)** 79(5):1113–7, May 76

[Analytical study on phenothiazine derivatives. XIII. Sodium dioctylsulfosuccinate as a titration agent in a heterogenous medium] Blažek J, et al. **Cesk Farm** 24(3):100–9, Apr 75 (Eng. Abstr.) **(Cze)**

[Thermodynamics of Aerosol OT distribution between water and carbon tetrachloride (author's transl)] Kishimoto H, et al. **J Pharm Soc Jpn** 94(11):1408–13, Nov 74 (Eng. Abstr.) **(Jpn)**

[Micelle formations of bis(2-ethylhexyl) sodium 2-sulfonatosuccinate (Aerosol OT) and its lithium or potassium substituted salt in water (author's transl)] Sato Y, et al. **J Pharm Soc Jpn** 95(11):1286–91, Nov 75 (Eng. Abstr.) **(Jpn)**

[Use of electrochemical reduction in the preparation of technetium 99m labeled dimercaptosuccinic acid] Mazur G, et al. **Acta Pol Pharm** 33(1):133–4, 1976 **(Pol)**

ADVERSE EFFECTS

Possible hepatotoxicity of Doxidan. Tolman KG, et al. **Ann Intern Med** 84(3):290–2, Mar 76

Anorectal pruritus after intravenous hydrocortisone sodium succinate and sodium phosphate. Novak E, et al. **Clin Pharmacol Ther** 20(1):109–12, Jul 76

ANALYSIS

Lactic and succinic acid levels and refractive indices in the determinations of the age of eggs. Daenens P, et al. **J Assoc Off Anal Chem** 59(3):613–6, May 76

[The photometric determination of organic acids using paper chromatograms. 28. The chemistry and physiology of some important metabolic acids] Wollmann H. **Pharmazie** 30(6):358–63, Jun 75 **(Ger)**

BIOSYNTHESIS

H2-dependent anaerobic growth of Escherichia coli on L-malate: succinate formation. Macy J, et al. **J Bacteriol** 125(2):423–8, Feb 76

The production of itaconic acid and tetronic acids with respect to the growth cycle of Penicillium charlesii. Maloney AP, et al. **J Gen Microbiol** 96(2):395–9, Aug 76

CHEMICAL SYNTHESIS

[Synthesis of 2-(N,N-dialkylamino) ethylamides of succinic acid phenylhydrazide] Kirkor W, et al. **Acta Pol Pharm** 33(1):67–71, 1976 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Antibodies against the aliphatic succinyl group: presence of tyrosine and a positive charge in the specific combining site. Grossberg AL, et al. **Immunochemistry** 12(6–7):453–6, Jul 75

METABOLISM

Reaction of yeast phosphofructokinase with succinic and maleic anhydride. Freyer R, et al. **Acta Biol Med Ger** 34(4):563–72, 1975

Succinate uptake and related proton movements in Escherichia coli K12. Gutowski SJ, et al. **Biochem J** 152(3):647–54, Dec 75

Some effects of ionophore A23187 on energy utilization and the distribution of cations and anions in mitochondria. Pfeiffer DR, et al. **Biochemistry** 15(12):2690–7, 15 Jun 76

Succinate transport in Bacillus subtilis. Dependence on inorganic anions. Ghei OK, et al. **Biochim Biophys Acta** 401(3):440–57, 2 Sep 75

The accumulation of succinate by the yeast Brettanomyces bruxellensis. Sanfaçon R, et al. **Can J Microbiol** 22(2):213–20, Feb 76

Uptake and efflux of succinic acid by uninduced mycelium of Claviceps purpurea. Taber WA. **Can J Microbiol** 22(2):245–53, Feb 76

Hepatic synthesis of canavaninosuccinate from ureidohomoserine and aspartate, and its conversion to guanidinosuccinate. Koller A, et al. **Clin Chem** 21(12):1777–82, Nov 75

Genetic analysis of succinate utilization in enzyme I mutants of the phosphoenolpyruvate: sugar phosphotransferase system in Escherichia coli. Alexander JK, et al. **J Bacteriol** 124(1):252–61, Oct 75

Transport of sugars and amino acids in bacteria. XIII. Mechanism of selective inhibition of the active transport reactions for proline, leucine, and succinate by zinc ions. Anraku Y, et al. **J Biochem (Tokyo)** 78(1):149–57, Jul 75

Transport mechanism for succinate and phosphate localized in the plasma membrane of bovine spermatozoa. Babcock DF, et al. **J Biol Chem** 250(16):6488–95, 25 Aug 75

Lipids of Klebsiella pneumoniae: the presence of phosphatidyl choline in succinate-grown cells. Wassef MK. **Lipids** 11(5):364–9, May 76

Phosphate and substrate transport by isolated heart mitochondria. Brierley GP, et al. **Recent Adv Stud Cardiac Struct Metab** 4:245–52, 1974

PHARMACODYNAMICS

Gastric H+ secretion in presence of substrates: absolute dependence on secretagogues. Kasbekar DK. **Am J Physiol** 231(2):522–8, Aug 76

Succinate transport in Bacillus subtilis. Dependence on inorganic anions. Ghei OK, et al. **Biochim Biophys Acta** 401(3):440–57, 2 Sep 75

The effects of dimercaptosuccinic acid on the excretion and distribution of mercury in rats and mice treated with mercuric chloride and methylmercury chloride. Magos L. **Br J Pharmacol** 56(4):479–84, Apr 76

Effect of dioctyl sodium sulfosuccinate on colonic fluid and electrolyte movement. Donowitz M, et al. **Gastroenterology** 69(4):941–50, Oct 75

The effect of succinic semialdehyde and sodium succinate on the higher nervous activity in normal subjects. Saarma J, et al. **Int Pharmacopsychiatry** 10(3):149–56, 1975

Acetate kinase from Veillonella alcalescens. Regulation of enzyme activity by succinate and substrates. Bowman CM, et al. **J Biol Chem** 251(10):3117–21, 25 May 76

Hepatic organelle interaction. IV. Mechanism of succinate enhancement of formaldehyde accumulation from endoplasmic reticulum N-dealkylations. Denk H, et al. **J Cell Biol** 69(3):589–98, Jun 76

The effect of nitrogen limitation on catabolite repression of amidase, histidase and urocanase in Pseudomonas aeruginosa. Potts JR, et al. **J Gen Microbiol** 93(2):377–87, Apr 76

Effect of dilauryl succinate on reproduction of the cock and hen and preventive effect of vitamin E. Yoshida M, et al. **J Nutr** 106(8):1184–91, Aug 76

Hypocholesterolemic agents IV: inhibition of beta-hydroxy-beta-methylglutaryl coenzyme A reductase by arylalkenyl and arylepoxy hydrogen succinates and glutarates. Boots MR, et al. **J Pharm Sci** 65(5):724–7, May 76

Inhibitory effect of dioctyl sodium sulfosuccinate on trypsin activity. Jodhka GS, et al. **J Pharm Sci** 64(11):1858–62, Nov 75

Effect of dioctyl sodium sulfosuccinate and poloxamer 188 on dissolution and intestinal absorption of sulfadiazine and sulfisoxazole in rats. Reddy RK, et al. **J Pharm Sci** 65(1):115–8, Jan 76

Proceedings: Elevation of adenylate energy charge in the rat kidney caused by calcitonin and the effect of succinate. Ogata E, et al. **J Physiol Soc Jpn** 36(8–9):346, 1 Sep 74

Antibacterial and antitumor activity of some derivatives of ureidosuccinic acid. Golovinsky EV, et al. **Neoplasma** 23(1):43–6, 1976

[The effect of oxidazable substrates and ATP on the sensitivity of certain energy-dependent functions submitochondrial particles to phospholipases A, C and D] Kupriianov VV, et al. **Biokhimiia** 40(4):869–74, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of succinic semialdehyde on nitrogen metabolism of animal brain tissue during hypoxia] Zubovskaia AM, et al. **Biull Eksp Biol Med** 81(5):539–41, May 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comments on Migraleve trial reports. Merrington DM.

Curr Ther Res 18(1 pt 2):222–5, Jul 75

A new treatment for the nasopharynx. Hargett ER. **Eye Ear Nose Throat Mon** 55(4):121–3, Apr 76

Dioctyl sodium sulfosuccinate– an ineffective prophylactic laxative. Goodman J, et al. **J Chronic Dis** 29(1):59–63, Jan 76

[A new aspect in oral iron therapy] Höcker P. **Wien Med Wochenschr** 125(10):156–9, 7 Mar 75 **(Ger)**

[Influence of succimer on the state of the peripheral blood and bone marrow hemopoiesis in subacute experimental poisoning with lead acetate] Okonishnikova IE, et al. **Gig Tr Prof Zabol** (11):34–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Influence of diazan on the mitotic cycle of leukemia L1210 cells] Goncharova SA, et al. **Vopr Onkol** 22(2):68–72, 1976 (Eng. Abstr.) **(Rus)**

TOXICITY

Studies on dioctyl sodium sulfosuccinate toxicity: clinical, gross and microscopic pathology in the horse and guinea pig. Moffatt RE, et al. **Can J Comp Med** 39(4):434–41, Oct 75

URINE

The optical nature of methylsuccinic acid in human urine. Zeitman B, et al. **Biochem Med** 13(2):111–6, Jun 75

[Argininosuccinic acid, technics of biochemical study (apropos of a case of argininosuccinyluria)] Cartigny B, et al. **Lille Med** 20(3):169–79, Mar 75 **(Fre)**

SUCCINIC OXIDASE see **SUCCINATE DEHYDROGENASE**

SUCCINIMIDES

Chemical modification of ribonucleic acid polymerase with N–bromosuccinimide. Wasylyk B, et al. **Biochem Soc Trans** 3(5):654, 1975

Electron microscopic observations on the morphogenesis of renal cell carcinoma induced in rat kidney by dimethylnitrosamine and N–(3,5–dichlorophenyl)succinimide. Sugihara R, et al. **Cancer Res** 36(2 Pt 1):533–50, Feb 76

N–bromosuccinimide oxidation of anti–DNP and anti–DNP–p–aminobenzoylglutamate antibodies in the presence and absence of protecting hapten. Chism GE, et al. **Immunology** 29(6):1153–60, Dec 75

Cleavage of human serum transferrin with N–bromosuccinimide. Bezkorovainy A, et al. **Int J Pept Protein Res** 8(3):291–3, 1976

Modification of bovine alpha–lactalbumin with N–bromosuccinimide and 2–hydroxy–5–nitrobenzylbromide. Bell JE, et al. **J Biol Chem** 250(19):7579–85, 10 Oct 75

Chemical probes of extended biological structures: synthesis and properties of the cleavable protein cross–linking reagent [35S]dithiobis(succinimidyl propionate). Lomant AJ, et al. **J Mol Biol** 104(1):243–61, 14 Jun 76

N–bromosuccinimide assay of penicillins and cephalosporins. Alicino JF. **J Pharm Sci** 65(2):300–1, Feb 76

Pathologic analysis of chemical nephritis in rats induced by N–(3,5–dichlorophenyl)succinimide. Sugihara S, et al. **Lab Invest** 33(3):219–30, Sep 75

A chemical approach to studies of the three–dimensional structure of tRNA – alkylation with a reagent covalently bound to a 'peculiar site'. Grachev MA, et al. **Nucleic Acids Res** 2(8):1237–60, 8 AUG 75

[A new bifunctional reagent for the intramolecular crosslinking of insulin (author's transl)] Obermeier R, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1631–4, Oct 75 (Eng. Abstr.) **(Ger)**

[The pH dependence of the absorption spectra of some (2,5)–pyrrolidindiones] Nuhn P, et al. **Pharmazie** 30(9):612–3, Sep 75 **(Ger)**

BLOOD

Gas–chromatographic analysis for succinimide anticonvulsants in serum: macro– and micro–scale methods. Bonitati J. **Clin Chem** 22(3):341–5, Mar 76

CHEMICAL SYNTHESIS

Acetylene compounds of potential pharmacological value. XXI. Further studies on the effect of branching the intermediate chain of N–(t–aminoalkynyl)–substituted succinimides and 2–pyrrolidones. Ringdahl B, et al. **Acta Pharm Suec** 12(4):297–304, 1975

Side reactions in peptide synthesis. II. Formation of succinimide derivatives from aspartyl residues. Bodanszky M, et al. **J Org Chem** 40(17):2495–9, 22 Aug 75

PHARMACODYNAMICS

Acetylene compounds of potential pharmacological value. XXIII. N–(1–Methyl–5–pyrrolidino–3–pentynyl)–substituted succinimide and 2–pyrrolidone. Lindgren S, et al. **Acta Pharm Suec** 12(5–6):503–6, 1975

Acetylene compounds of potential pharmacological value. XIX. N–(dialkylaminoalkynyl)–substituted succinimides and 2–pyrrolidones as partial cholinergic agonists. Svensson U, et al. **Acta Pharm Suec** 12(3):209–14, 1975

Acetylene compounds of potential pharmacological value. XXII. Base strength and biological activity in oxotremorine antagonists. Svensson U, et al. **Acta Pharm Suec** 12(5–6):393–400, 1975

A study of anticonvulsant activity of N–substituted derivatives of succinimides, thiazolidinediones and their structural congeners. Das PK, et al. **Indian J Med Res** 63(2):286–301, Feb 75

Crosslinking studies on the Ca2+, Mg2+–activated ATPase of Escherichia coli. Bragg PD. **J Supramol Struct** 3(3):297–303, 1975

Effect of succinimide and other drugs on oxalate excretion by rats. Hodgkinson, A, et al. **Urol Int** 30(6):465–71, 1975

[Central effects of some derivatives of tetrahydrophthalimide and succinimide] Kleinrok Z, et al. **Acta Pol Pharm** 33(2):265–73, 1976 (Eng. Abstr.) **(Pol)**

POISONING

Monitoring drug concentrations in a case of combined overdosage with primidone and methsuximide. Johnson GF, et al. **Clin Chem** 22(6):915–21, Jun 76

THERAPEUTIC USE

[Treatment of atypical absences with a combination of succinimide and dipropylacetate (author's transl)] Schneble H. **Dtsch Med Wochenschr** 100(30):1564–7, 25 Jul 75 (Eng. Abstr.) **(Ger)**

[New aspects in the treatment of oxalate lithiasis (author's transl)] Hautmann R, et al. **Urologe [A]** 15(4):148–52, Jul 76 (Eng. Abstr.) **(Ger)**

SUCCINYL COENZYME A SYNTHETASES see under **COENZYME A SYNTHETASES**

SUCCINYLCHOLINE

Halothane anaesthesia and suxamethonium I: the significance of preoperative atropine administration. A double–blind study. Viby–Mogensen J, et al. **Acta Anaesthesiol Scand** 20(2):129–40, 1976

Thiopentone and suxamethonium crash induction. An assessment of the potential hazards. Barr AM, et al. **Anaesthesia** 31(1):23–9, Jan–Feb 76

Proceedings: The effect of tacrine on the neuromuscular block produced by suxamethonium in man. Norman J, et al. **Br J Anaesth** 47(9):1027, Sep 75

Suxamethonium sensitivity and segregation of human serum cholinesterase variants at locus, Ch1, among twelve British families. Das PK. **Hum Hered** 25(6):461–71, 1975

Letter: Succinylcholine for euthanasia of laboratory animals. **Lab Anim Sci** 25(5):531–2, Oct 75

[Effect of succinyldicholine on central nervous system] Gley P, et al. **C R Soc Biol (Paris)** 169(5):1185–9, 1975 (Eng. Abstr.) **(Fre)**

[Use of local muscle relaxation in surgery of compound malleolar fractures] Kucherenko AE, et al. **Vestn Khir** 114(2):120–2, Feb 75 **(Rus)**

[A method of carrying out ECT under anesthesia with relaxants] Smirnova ML, et al. **Zh Nevropatol Psikhiatr** 76(4):594–6, Apr 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Use of succinylcholine in the presence of atypical cholinesterase. Lee–Son S, et al. **Anesthesiology** 43(4):493–6, Oct 75

Letter: Muscle relaxant requirements in patients with von Recklinghausen's disease. Yamashita M, et al. **Br J Anaesth** 47(9):1032, Sep 75

ADVERSE EFFECTS

Serum cholinesterase activity in burned patients. II: anaesthesia, suxamethonium and hyperkalaemia. Viby–Mogensen J, et al. **Acta Anaesthesiol Scand** 19(3):169–79, 1975

The avoidance of suxamethonium pain: a study of patients presenting for laparos copy. Frew RM, et al. **Anaesthesia** 31(1):97–102, Jan–Feb 76

Influence of pancuronium of potassium efflux produced by succinycholine. Konchigeri HN, et al. **Anesth Analg (Cleve)** 55(4):474–7, Jul–Aug 76

Atypical pseudocholinesterase: a clinical report. Lear E, et al. **Anesth Analg (Cleve)** 55(2):243–6, Mar–Apr 76

The effect of repeated doses of succinylcholine on serum potsssium in patients with renal failure. Powell DR, et al. **Anesth Analg (Cleve)** 54(6):746–8, Nov–Dec 75

Heart–rate slowing and junctional rhythm following intravenous succinylcholine with and without intramuscular atropine preanesthetic medication. Stoelting RK, et al. **Anesth Analg (Cleve)** 54(6):705–9, Nov–Dec 75

Porcine malignant hyperthermia induced by halothane and succinylcholine: failure of treatment with procaine or procainamide. Gronert GA, et al. **Anesthesiology** 44(2):124–32, Feb 76

Onset of succinylcholine–induced hyperkalemia following denervation. John DA, et al. **Anesthesiology** 45(3):294–9, Sep 76

Incidence of suxamethonium apnoea in patients undergoing E.C.T. Berry M, et al. **Br J Anaesth** 47(11):1195–7, Nov 75

Muscle hypertonus after intravenous suxamethonium: A clinical problem. Caseby NG. **Br J Anaesth** 47(10):1101–6, Oct 75

Letter: Reduction of post–suxamethonium muscle pains. Fry EN. **Br J Anaesth** 47(12):1342, Dec 74–75

Suxamethonium–induced porcine malignant hyperthermia. Gronert GA, et al. **Br J Anaesth** 48(6):513–7, Jun 76

Letter: Absence of suxamethonium fasciculations in patients with atypical pseudocholinesterase. Hunter JM. **Br J Anaesth** 47(12):1340, Dec 74–75

Suxamethonium–induced hyperkalaemia in patients with severe intra–abdominal infections. Kohlschütter B, et al. **Br J Anaesth** 48(6):557–62, Jun 76

A note on suxamethonium sensitivity and serum cholinesterase variants. Agarwal DP, et al. **Hum Genet** 32(1):85–8, 15 Apr 76

Malignant hyperthermia. Tsang HS, et al. **Ill Med J** 149(5):471–3, May 76

Rapid termination of prolonged neuromuscular block after suxamethonium in 8 patients by administration of serum cholinesterase. pp. 268–71. Scholler KL, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Suxamethonium pains and fasciculations. Collier C. **Proc R Soc Med** 68(2):105–8, Feb 75

[Familial examinations for the presence of atypical cholinesterase] Pronk IR, et al. **Ned Tijdschr Geneeskd** 119(40):1544–7, 4 Oct 75 (Eng. Abstr.) **(Dut)**

[A fatal accident due to succicurarium chloride] Dumas R, et al. **Anesth Analg (Paris)** 32(3):497–502, May–Jun 75 **(Fre)**

[3 cases of anaphylactic shock to celocurine] Sigiel M, et al. **Anesth Analg (Paris)** 32(3):447–62, May–Jun 75 **(Fre)**

[Letter: Anesthesia and allergic reaction] Jaquenoud P. **Ann Anesthesiol Fr** 16(5):395, Sep 75 **(Fre)**

[Suxamethonium–induced hyperkalaemia in patients with severe intraabdominal infections (author's transl)] Baur H, et al. **Anaesthesist** 25(1):6–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Plasma cholinesterase (CHE, pseudocholinesterase), its importance in liver diseases and prolonged succinyldicholine–induced apnea] Markoff N. **Hippokrates** 45(4):516–9, Nov 74 **(Ger)**

ANALYSIS

Thin–layer chromatographic separation of 14C–labelled succinyldicholine, succinylmonocholine and choline. Agarwal DP, et al. **J Chromatogr** 121(1):170–2, 9 Jun 76

ANTAGONISTS & INHIBITORS

Inhibition of suxamethonium relaxation by tubocurarine and gallamine pretreatment during induction of anaesthesia in man. Pauca AL, et al. **Br J Anaesth** 47(10):1067–73, Oct 75

[Effects of human plasma cholinesterase preparation on the action of succinylcholine] Iwatsuki K, et al. **Jpn J Anesthesiol** 25(3):251–8, Mar 76 (Eng. Abstr.) **(Jpn)**

METABOLISM

Letter: Neonatal distribution of succinylcholine. Finster M, et al. **Anesthesiology** 44(1):89, Jan 76

Proceedings: A trans–atlantic comparison of the pharmacokinetics of suxamethonium. Norman J. **Br J Anaesth** 48(8):814, Aug 76

Distribution and biotransformation of succinylcholine. Foldes FF. **Int Anesthesiol Clin** 13(4):101–15, Winter 75

[Succinylcholine and low serum pseudocholinesterase activity – effect of administration of purified human pseudocholinesterase] Yamamoto E, et al. **Jpn J Anesthesiol** 24(10):1006–11, Oct 75 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The source of increased plasma potassium following succinylcholine. Bali IM, et al. **Anesth Analg (Cleve)** 54(5):680–6, Sep–Oct 75

Circulatory changes during anesthetic induction: impact of d–tubocurarine pretreatment, thiamylal, succinylcholine, laryngoscopy, and tracheal lidocaine. Stoelting RK, et al. **Anesth Analg (Cleve)** 55(1):77–81, Jan–Feb 76

Circulatory changes in patients with coronary artery disease following thiamylal–succinylcholine and tracheal intubation. Stoelting RK, et al. **Anesth Analg (Cleve)** 55(2):232–4, Mar–Apr 76

Prolonged response to succinylcholine following pancuronium reversal with pyridostigmine. Bentz EW, et al. **Anesthesiology** 44(3):258–60, Mar 76

Potentiation of succinylcholine neuromuscular blockade by lithium carbonate. Hill GE, et al. **Anesthesiology** 44(5):439–42, May 76

Hexafluorenium–suxamethonium interaction in patients with normal versus atypical cholinesterase. Baraka A. **Br J Anaesth** 47(8):885–8, Aug 75

Dose relationships of phase II, tachyphylaxis and train–of–four fade in suxamethonium–induced dual neuromuscular block in man. Lee C. **Br J Anaesth** 47(8):841–5, Aug 75

Spontaneous recovery of the thumb twitch from neuromuscular block by suxamethonium in anaesthetized man. Lee C, et al. **Br J Anaesth** 48(2):91–5, Feb 76

The interaction of tubocurarine and suxamethonium at different stages of recovery from tubocurarine–induced neuromuscular blockade in anaesthetized man. Sugai N, et al. **Br J Anaesth** 47(10):1061–6, Oct 75

Changes in plasma potassium and calcium levels and in the electrocardiogram after a single dose of succinylcholine

preceded by d-tubocurarine. Evers W, et al. **Can Anaesth Soc J** 23(4):383–94, Jul 76

Some characteristics of neuromuscular block in the respiratory musculature in anaesthetized man. Lee C. **Can Anaesth Soc J** 23(2):125–34, Mar 76

Effect of succinylcholine on responses of neurons in the motor cortex to natural activation of muscle spindle primary endings. Wong YC, et al. **Can J Physiol Pharmacol** 53(5):963–6, Oct 75

Comparative effects of (+)- and (-)-isomers of propranolol and INPEA on (+)-tubocurarine- and succinylcholine-induced neuromuscular blockade. Khetarpal VK, et al. **Eur J Pharmacol** 33(2):325–35, Sep–Oct 75

Succinylcholine block in a patient with atypical serum cholinesterase. Baraka A, et al. **Mid East J Anaesthesiol** 4(1):51–9, Feb 74

Inhibition of human erythrocyte acetylcholinesterase by succinyldicholine. Lanks KW, et al. **Res Commun Chem Pathol Pharmacol** 14(2):269–75, Jun 76

[Liberation of histamine by anaesthetics (author's transl)] Meyer-Burgdorff C, et al. **Anaesthesist** 25(1):1–5, Jan 76 **(Ger)**

[Effect of succinylcholine on membrane and action potentials of a frog sartorius nerve-muscle preparation] Matsuura S. **Jpn J Anesthesiol** 25(1):1–7, Jan 76 (Eng. Abstr.) **(Jpn)**

[Influence of changes in the vegetative tonus on the effects of succinylcholine on blood pressure (experimental data)] Teodorescu-Exarcu I, et al. **Rev Chir [Chir]** 25(2):143–51, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

[Elektromyographic characteristics of neuromuscular blocks evoked by tubocurarine and lysthenon] Iarosh SI. **Fiziol Zh** 20(5):705–7, Sep–Oct 74 **(Ukr)**

RADIATION EFFECTS

Suxamethonium apnoea terminated with commercial serumcholinesterase. Stovner J, et al. **Acta Anaesthesiol Scand** 20(3):211–5, 1976

SUCKING BEHAVIOR

The nursing and suckling behaviour of pigs. IV. The effect of interrupting the sucking stimulus. Fraser D. **Br Vet J** 131(5):549–59, Sep–Oct 75

Neonatal nutritive sucking: effects of taste stimulation upon sucking rhythm and heart rate. Crook CK, et al. **Child Dev** 47(2):518–22, Jun 76

The relation between nonnutritive sucking and visual information processing in the human newborn. Mendelson MJ, et al. **Child Dev** 46(4):1025–9, Dec 75

Breathing and sucking during feeding in the newborn. Johnson P, et al. **Ciba Found Symp** (33):119–35, 1975

Infant selection of linguistic and non-linguistic stimuli as measured by the non-nutritive sucking response. pp. 522–7. Williams WN, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.**

Neonatal sucking: effects of quantity of the response-contingent fluid upon sucking rhythm and heart rate. Crook CK. **J Exp Child Psychol** 21(3):539–48, Jun 76

Developmental changes in suckling of rat pups. Hall WG, et al. **Nature** 258(5533):318–20, 27 Nov 75

Surgical procedure for prevention of self-sucking in cattle. (a photographic essay). McCormack J. **Vet Med Small Anim Clin** 71(5):681–3, May 76

[Amputation of half a tip of the tongue in cattle, to prevent sucking(author's transl)] **Tijdschr Diergeneeskd** 100(13):722–3, 1 Jul 75 **(Dut)**

[Causes and prevention of reciprocal sucking among calves] Scheurmann E. **Tierarztl Prax** 2(4):389–94, 1974 **(Ger)**

DRUG EFFECTS

The assessment of behavioral change in infants undergoing narcotic withdrawal: comparative data from clinical and objective methods. Kron RE, et al. **Addict Dis** 2(1–2):257–75, 1975

Proceedings: The effect of apomorphine on oral behaviour in piglets. Fry JP, et al. **Br J Pharmacol** 56(3):388P, Mar 76

Neonatal narcotic abstinence: Effects of pharmacotherapeutic agents and maternal drug usage on nutritive sucking behavior. Kron RE, et al. **J Pediatr** 88(4 Pt. 1):637–41, Apr 76

PHYSIOLOGY

Variations in intra-oral stimulation and nutritive sucking. Christensen S, et al. **Child Dev** 47(2):539–42, Jun 76

The stability and interrelationships of newborn sucking and heart rate. Lipsitt LP, et al. **Dev Psychobiol** 9(4):305–10, JUL 76

Olfactory bulbectomy and nursing behavior in rat pups (Wistar DAB). Singh PJ, et al. **Dev Psychobiol** 8(2):151–64, Mar 75

Maternal influences on ontogeny of suckling and feeding rhythms in the rat. Levin R, et al. **J Comp Physiol Psychol** 89(7):711–21, Sep 75

Prolactin release induced by suckling in lactating rats after L-DOPA treatment. Deis RP, et al. **J Reprod Fertil** 46(1):265–7, Jan 76

Suckling stimulation induces aggression in virgin female mice. Svare B, et al. **Nature** 260(5552):606–8, 15Apr 76

Effects of auditory stimulation upon non-nutritive sucking by premature infants. Miller LK. **Percept Mot Skills** 40(3):879–85, Jun 75

Pattern of sucking in the infant rat during spontaneous milk ejection. Wakerley JB, et al. **Physiol Behav** 15(3):277–81, Sep 75

Letter: Differentiation of differing concentrations of sucrose glucose by human newborns. Bolduan NW. **Science** 193(4259):1267, 24 Sep 76

Suckling in newborn rats: eliminated by nipple lavage, reinstated by pup saliva. Teicher MH, et al. **Science** 193(4251):422–5, 30 Jul 76

SUCRASE

Enzyme electrode for sucrose. Satoh I, et al. **Biotechnol Bioeng** 18(2):269–72, Feb 76

Regulation and properties of an invertase from Clostridium pasteurianum. Laishley EJ. **Can J Microbiol** 21(11):1711–8, Nov 75

Application of photo-crosslinkable resin to immobilization of an enzyme. Fukui S, et al. **FEBS Lett** 66(2):179–82, 15 Jul 76

Partial amino acid sequences around the essential carboxylate in the active sites of the intestinal sucrase-isomaltase complex. Quaroni A, et al. **J Biol Chem** 251(11):3250–3, 10 Jun 76

ANALYSIS

Subcellular distribution of yeast invertase isoenzymes. Meyer J, et al. **Arch Microbiol** 103(1):51–5, 12 Mar 75

Neurospora crassa invertase. A study of amino acids at the active center. Bigger CH, et al. **Biochim Biophys Acta** 397(2):418–27, 26 Aug 75

External yeast beta-fructosidase. The role of tryptophyl residues in catalysis. Leskovac V, et al. **Biochim Biophys Acta** 405(2):482–91, 20 Oct 75

Polyacrylamide gel electrophoresis of yeast invertase. Roberts CA, et al. **J Chem Educ** 53(1):62–3, Jan 76

Genetic control of invertase formation in Saccharomyces cerevisiae. I. Isolation and characterization of mutants affecting sucrose utilization. Hackel RA. **Mol Gen Genet** 140(4):361–70, 22 Oct 75

Letter: Intestinal sucrase-isomaltase. Gitzelmann R, et al. **N Engl J Med** 293(16):829, 16 Oct 75

ANTAGONISTS & INHIBITORS

Isolation and characterization of acid invertase inhibitor from sweet potato. Matsushita K, et al. **J Biochem (Tokyo)** 79(3):633–9, Mar 76

BIOSYNTHESIS

Identification of the structural gene for sucrase in Bacillus subtilis Marburg. Lepesant JA, et al. **Biochimie** 56(11–12):1465–70, 1974

Dual control of invertase biosynthesis in chemostat culture. Toda K. **Biotechnol Bioeng** 18(8):1117–24, Aug 76

Invertase biosynthesis by Saccharomyces carlsbergensis in batch and continuous cultures. Toda K. **Biotechnol Bioeng** 18(8):1103–15, Aug 76

The effect of 8-hydroxyquinoline on enzyme synthesis in the fission yeast Schizosaccharomyces pombe. Creanor J, et al. **Eur J Biochem** 60(2):487–93, 15 Dec 75

[Localization of the effect of the regulation of beta-fructosidase biosynthesis in yeasts by the level of active enzyme in the medium] Iurkevich VV, et al. **Dokl Akad Nauk SSSR** 225(4):971–3, 1 Dec 75 **(Rus)**

[Formation of beta-fructofuranosidase by Penicillium vitale Pidopl. et Bilai and other species of the genus Penicillium LK] Nikol's'ka OO, et al. **Mikrobiol Zh** 37(5):597–602, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

DEFICIENCY

Streptococcus mutans in the mouths of children with congenital sucrase deficiency. van Houte J, et al. **Arch Oral Biol** 20(11):771–3, Nov 75

Absence of brush border sucrase-isomaltase complex in congenital sucrose intolerance. Schmitz J, et al. **Biomedicine [Express]** 21(11):440–3, 20 Nov 74

Sucrase-isomaltase deficiency. Absence of an inactive enzyme variant. Gray GM, et al. **N Engl J Med** 294(14):750–3, 1 Apr 76

Letter: Gene frequency of sucrase-isomaltase deficiency. Hoegerman SF, et al. **N Engl J Med** 295(5):284, 29 Jul 76

Letter: Sucrase-isomaltase deficiency. Schmitz J, et al. **N Engl J Med** 295(16):902–3, 14 Oct 76

[Congenital saccharase-isomaltase deficiency: a six-year survey (author's transl)] Lücking T, et al. **Dtsch Med Wochenschr** 101(23):897–900, 4 Jun 76 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Catalytically inactive sucrase antigen of rabbit small intestine: the enzyme precursor. Dubs R, et al. **Helv Paediatr Acta** 30(1):89–102, May 75

Topographical relationship between sucrase and leucine beta-naphthylamidase on the microvilli membrane of rabbit intestinal mucosal cells. Takesue Y, et al. **J Biochem (Tokyo)** 79(3):479–88, Mar 76

ISOLATION & PURIFICATION

A hydrophobic form of the small-intestinal sucrase-isomaltase complex. Sigrist H, et al. **Biochim Biophys Acta** 406(3):433–46, 17 Oct 75

Separation of 'sucrases' in supernatants of human dental plaque material and characterisation of the reaction products. Birkhed D. **Odontol Revy** 26(3):185–92, 1975

[Rat intestinal maltases solubilized by digitonin] Rigat AM, et al. **C R Soc Biol (Paris)** 168(10–11–12):1388–92, 1974 (Eng. Abstr.) **(Fre)**

METABOLISM

Circadian rhythms of intestinal sucrase and glucose transport: cued by time of feeding. Stevenson NR, et al. **Am J Physiol** 230(3):731–5, Mar 76

On the cellular distribution of sucrase and enterokinase in different populations of rat intestinal epithelial cells isolated by a vibration method. Schneider R, et al. **Biol Gastroenterol (Paris)** 8(1):11–20, Jan–Feb 75 (Eng. Abstr.)

Physical, chemical, and enzymatic studies on the major sucrase of honey bees (Apis mellifera). Huber RE, et al. **Can J Biochem** 54(2):153–64, Feb 76

Invertase in cell-free culture fluids of Streptococcus mutans strain SL-1. Osborne RM, et al. **Experientia** 31(12):1399–40, 15 Dec 75

The sucrase-isomaltase complex (SI) from small intestine: a possible hydrolytic mechanism and indications on its role in the membrane transport of some sugars. pp. 131–44. Semenza G, et al. **In: Gárdos G, Szász I, ed. Biomembranes: structure and function. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.35.**

The kinetic behaviour of enzymes gelified on ultrafiltration membranes. pp. 179–86. Drioli E, et al. **In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North-Holland, 1976. QU 135 I5893a 1975.**

Beta-fructofuranosidase and invertase activity in tall fescue culm bases. Smith AE. **J Agric Food Chem** 24(3):476–8, May–Jun 76

Purification and properties of the extracellular dextransucrase from Leuconostoc mesenteroides NRRL B-1299. Kobayashi M, et al. **J Biochem (Tokyo)** 79(6):1301–8, Jun 76

Circadian rhythms in digestive enzymes in the small intestine of rats. I. Patterns of the rhythms in various regions of the small intestine. Saito M, et al. **J Biochem (Tokyo)** 78(3):475–80, Sep 75

A probable oxocarbonium ion in the reaction mechanism of small intestinal sucrase and isomaltase. Cogoli A, et al. **J Biol Chem** 250(19):7802–9, 10 Oct 75

Small intestinal sucrase and isomaltase split the bond between glucosyl-Cl and the glycosyl oxygen. Stefani A, et al. **J Biol Chem** 250(19):7810–3, 10 Oct 75

[Influence of high temperature on the enzyme activity of the small intestine in thyroidectomized rats] Rakhimov K, et al. **Biull Eksp Biol Med** 80(9):31–3, Sep 75 (Eng. Abstr.) **(Rus)**

[Specific binding of medium invertase by yeast cell surfaces during regulation of invertase formation] Galcheva-Gargova ZI, et al. **Dokl Akad Nauk SSSR** 225(2):446–9, 11 Nov 75 **(Rus)**

[The effect of malnutrition during the early period of postnatal ontogenesis on the amylolytic and invertase activity of the small intestinal mucous membrane of growing rats] Rakhimov KR, et al. **Vopr Pitan** (2):66–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Relationship between cell-bound dextransucrase and the agglutination of Streptococcus mutans. McCabe MM, et al. **Infect Immun** 12(3):512–20, Sep 75

SUCROSE

Sugar as a vehicle for iron fortification. Layrisse M, et al. **Am J Clin Nutr** 29(1):8–18, Jan 76

Sugar as a vehicle for iron fortification: further studies. Layrisse M, et al. **Am J Clin Nutr** 29(3):274–9, Mar 76

Interference of sucrose with the fluorometric assay of tryptophan. Woodcock JL, et al. **Anal Biochem** 72:139–43, 7 May 76

Influence of sucrose preexposure on acquisition of a conditioned aversion. Klein SB, et al. **Behav Biol** 16(1):99–106, Jan 76

The effect of magnesium and fluoride on nephrocalcinosis and aortic calcification in rats given high sucrose diets with added phospnates. Luoma H, et al. **Calcif Tissue Res** 20(3):291–302, 14 Jun 76

Hyperlipoproteinemia in streptozotocin-treated rats. Bar-On H, et al. **Diabetes** 25(6):509–15, Jun 76

Food intake and taste preferences for glucose and sucrose decrease after intestinal bypass surgery. pp. 431–9. Bray GA, et al. **In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.**

Comparative study of the pathology of sucrose-induced diabetes in the rat and adult-onset diabetes in man. pp. 227–35. Rosenmann E, et al. **In: Shafrir E, ed. Contemporary topics in the study of diabetes and metabolic endocrinology. New York, Academic**

Press, 1975. WK 810 S989c 1974.

Long-term tolerance of healthy human subjects to high amounts of xylitol and fructose: general and biochemical findings. Mäkinen KK. **Int J Vitam Nutr Res** (15):92–104, 1976 (22 ref.)

Xylitol in relation to the incidence of dental caries. Scheinin A. **Int J Vitam Nutr Res** (15):358–67, 1975

A simple numerical method for the construction of isokinetic sucrose density gradients, and their application to the characterisation of immunoglobulin complexes. Johns P, et al. **J Immunol Methods** 10(2–3):231–52, Mar 76

Sweetness of sucrose and xylitol. Structural considerations. Lindley MG, et al. **J Sci Food Agric** 27(2):140–4, Feb 76

A comparison of dietary starch and dietary sucrose in the pig. Bruckdorfer KR, et al. **Nutr Metab** 19(5–6):225–32, 1975

Effect on dietary sucrose and fructose on the metabolism and lipid fractions in liver in the rat. Tuovinen CG, et al. **Nutr Metab** 19(1–2):1–9, 1975

Some metabolic effects of prolonged feeding of starch, sucrose, fructose and carbohydrate-free diet in the rat. Tuovinen CG, et al. **Nutr Metab** 19(3–4):161–72, 1975

Pfr phytochrome and sucrose requirement for rhythmic leaflet movement in Albizzia. Satter RL, et al. **Photochem Photobiol** 23(2):107–12, Feb 76

Letter: Does raw sugar cane juice protect against dental caries? Fox FW, et al. **S Afr Med J** 50(20):760, 8 May 76

pH changes in dental plaque caused by sweetened, iron-containing liquid medicine. Lökken P, et al. **Scand J Dent Res** 83(5):279–83, Sep 75

Preferences for sweet and salty in 9- to 15-year-old and adult humans. Desor JA, et al. **Science** 190(4215):686–7, 14 Nov 75

Role of sugar in modern nutrition. Stare FJ. **World Rev Nutr Diet** 22:239–47, 1975 (9 ref.)

[Effect of qualitatively different carbohydrates on the lipoprotein spectrum and lipid composition of the blood in experimental animals] Markelova VF, et al. **Biull Eksp Biol Med** 81(4):413–5, 1976 (Eng. Abstr.) **(Rus)**

[Formation of alcohols during sucrose heating with amino acids] Egorov IA, et al. **Prikl Biokhim Mikrobiol** 11(2):250–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Letter: Oral sucrose therapy for diarrhoea. Nalin DR. **Lancet** 2(7948):1308, 27 Dec 75

[Technology of the production and clinical use of infusible solution of invert sugar] Ružić R, et al. **Vojnosanit Pregl** 32(5):588–91, Sep–Oct 75 **(Ser)**

ADVERSE EFFECTS

Letter: The role of the combination of sucrose and milk in diabetes mellitus. Wales A. **Am J Clin Nutr** 29(7):689–90, Jul 76

Anaphylactoid reactions in connection with infusion of invert sugar solutions are due to macromolecular contaminants. Richter AW, et al. **Int Arch Allergy Appl Immunol** 50(5):606–12, 1976

Increased consumption of refined carbohydrates in patients with Crohn's disease. Martini GA, et al. **Klin Wochenschr** 54(8):367–71, 15 Apr 76

Letter: Dental caries and sugar intake. McKendrick AJ, et al. **Lancet** 2(7944):1086–7, 29 Nov 75

The role of the combination of sucrose and milk products in diabetes mellitus and ischaemic heart disease. Wales A. **Med Hypotheses** 1(5):191, Sep–Oct 75

Factors related to the cariogenic potential of breakfast cereals. Katz S, et al. **Pharmacol Ther Dent** 2(2):109–31, 1975

Letter: Sugar and dental caries. Walker AR. **S Afr Med J** 49(36):1458, 23 Aug 75

Initiation and aggravation of denture stomatitis by sucrose rinses. Olsen I, et al. **Scand J Dent Res** 84(2):94–7, Mar 76

ANALOGS & DERIVATIVES

The effect of a nonabsorbable lipid, sucrose polyester, on the absorption of dietary cholesterol by the rat. Mattson FH, et al. **J Nutr** 106(6):747–52, Jun 76

ANALYSIS

Enzyme electrode for sucrose. Satoh I, et al. **Biotechnol Bioeng** 18(2):269–72, Feb 76

[A gaschromatographic method proposed for sorbitol and sucrose determination in musts and wines (author's transl)] Lercker G, et al. **Riv Sci Tecn Nutr Um** 5(4):247–9, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

DEFICIENCY

Breath hydrogen in hyposucrasia. Metz G, et al. **Lancet** 1(7951):119–20, 17 Jan 76

DIAGNOSTIC USE

Diagnostic value of disaccharide tolerance tests in children. Krasilnikoff PA, et al. **Acta Paediatr Scand** 64(5):693–8, Sep 75

Plasma glucose and insulin responses to orally administered simple and complex carbohydrates. Crapo PA, et al. **Diabetes** 25(9):741–7, Sep 76

METABOLISM

The interstitial space of adipose tissue as determined by single injection and equilibration techniques. Linde B, et al. **Acta Physiol Scand** 95(4):383–90, Dec 75

Digestion of tripeptides and disaccharides: relationship with brush border hydrolases. Arvanitakis C, et al. **Am J Physiol** 231(1):87–92, Jul 76

Effect of stretch on passive transport in toad urinary bladder. Lief PD, et al. **Am J Physiol** 230(6):1722–9, Jun 76

Initial products in utilization of sucrose by Actinomyces viscosus. Suginaka H, et al. **Biken J** 18(4):271–4, Dec 75

The hyperactivity of hamster fibroblast lysosomal enzymes after endocytosis of sucrose. Warburton MJ, et al. **Biochem Biophys Res Commun** 70(1):94–100, 3 May 76

Molecular transport in thyroid slices. Paiva M, et al. **Biochim Biophys Acta** 419(2):349–57, 21 Jan 76

Dental plaque, dental caries and sugar intake. The effects on the plaque of a low-calorie sweetener used in beverages in place of ordinary sugar. Grenby TH. **Br Dent J** 139(4):129–34, 19 Aug 75

Differences in the biliary clearances of sucrose and sodium ferrocyanide in the rat as an index of membrane potential. pp. 113–6. Bradley SE, et al. **In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 I61d 1974.**

Analysis of growth rate in sucrose-supplemented cultures of Streptococcus mutans. Daneo-Moore L, et al. **Infect Immun** 12(5):1195–205, Nov 75

Comparative biochemical investigations on the degradation of sugars and sugar alcohols by microorganisms of the oral cavity. Gülzow HJ. **Int J Vitam Nutr Res** (15):348–57, 1975

Transcapillary exchange of strontium and sucrose in canine tibia. Davies DR, et al. **J Appl Physiol** 40(1):17–22, Jan 76

Distribution volumes of [131I]albumin, [14C]sucrose, and 36Cl in sheep lung. Selinger SL, et al. **J Appl Physiol** 39(5):773–9, Nov 75

Plasmid-determined ability of a Salmonella tennessee strain to ferment lactose and sucrose. Johnson EM, et al. **J Bacteriol** 125(1):385–6, Jan 76

Coordinated alterations in ribosomes and cytoplasmic membrane in sucrose-dependent, spectinomycin-resistant mutants of Escherichia coli. Mizuno T, et al. **J Bacteriol** 125(2):524–30, Feb 76

Osmotic behavior and permeability of osmotically lysed mitochondria. Bowman CL, et al. **J Cell Biol** 70(2 pt 1):348–57, Aug 76

Comparison between sucrose and lactulose in a suspended salivary system. Mäkinen KK, et al. **J Dent Res** 54(6):1244, Nov–Dec 75

A comparative study on lipogenesis from fructose and sucrose in rats. Hoshi M, et al. **Med J Osaka Univ** 25(3–4):121–7, Mar 75

Cytoplasmic exclusion as a basis for asymmetric nucleocytoplasmic solute distributions. Horowitz SB, et al. **Nature** 260(5547):151–3, 11 Mar 76

Structural studies on polysaccharides synthetised from sucrose by soluble enzymes in human dental plaque material. Birkhed D, et al. **Odontol Revy** 26(4):281–90, 1975

Effect of mannitol, sucrose, and glucose on bacterial nitrogen fixation. Bahadur K, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):17–20, 1975

[Biliary clearance and intrahepatic distribution of sucrose and sodium ferrocyanide in cholestasis due to ethinyl estradiol] Herz R, et al. **Verh Dtsch Ges Inn Med** 81:1331–5, 1975 **(Ger)**

[Effect of stress on parietal hydrolysis of saccharose in rats] Lazovskaia AV. **Biull Eksp Biol Med** 79(6):38–40, Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A correlative study on the occurrence of retinopathy and nephropathy in sucrose-fed diabetic rats. Yanko L, et al. **Acta Diabetol Lat** 12(1):52–65, Jan–Feb 75

Diaminobenzidine reactions of mitochondria stabilized with sodium chloride, sucrose and polyvinyl pyrrolidone. Litwin JA. **Ann Med Sect Pol Acad Sci** 21(1–2):77–8, 1976

Proceedings: Effects of high-fructose and high-sucrose diets on normal and obesehyperglycemic Bar Harbor mice. Winand J, et al. **Arch Int Physiol Biochim** 84(1):209–10, Feb 76

Changes in the concentrations of phosphates in human plaque after the ingestion of sugar with and without added phosphates. Tatevossian A, et al. **Arch Oral Biol** 20(9):617–25, Sep 75

Transport of phosphoenolpyruvate through red cell membrane in acidified isotonic sucrose medium. Tomoda A, et al. **Biochem Biophys Res Commun** 66(4):1127–30, 27 Oct 75

The sorbitol pathway: effect of streptozotocin induced diabetes and the feeding of a sucrose-rich diet on glucose, sorbitol and fructose in the retina, blood and liver of rats. Heath H, et al. **Diabetologia** 12(1):43–6, Mar 76

The effect of sorbose on pH of mixed saliva and interproximal plaque. Mühlemann HR, et al. **Helv Odontol Acta** 19(2):76–80, Oct 75

Simultaneous pH and fluoride telemetry. A supplemental report. Shields WF, et al. **Helv Odontol Acta** 19(2):72–5, Oct 75

Effect of glucose and sucrose on survival in batch culture of Streptococcus mutans C67-1 and a noncariogenic mutant, C67-25. Donoghue HD, et al. **Infect Immun** 13(1):16–21, Jan 76

Serum lipids, uric acid and glucose during chronic consumption of fructose and xylitol in healthy human subjects. Huttunen JK. **Int J Vitam Nutr Res** (15):105–15, 1976

Effects of single exposure to sugar on calcium and phosphorus concentrations of dental plaque. Ashley FP. **J Dent Res** 54(5):1015–8, Sep–Oct 75

Effects of dietary sucrose levels on extracellular polysaccharide metabolism of human dental plaque. Gawronski TH, et al. **J Dent Res** 54(4):881–90, Jul–Aug 75

Effects of dietary sucrose levels on the quantity and microbial composition of human dental plaque. Staat RH, et al. **J Dent Res** 54(4):872–80, Jul–Aug 75

Studies of the mechanism of sucrose-associated colonization of Streptococcus mutans on teeth of conventional rats. Van Houte J, et al. **J Dent Res** 55(2):216–22, Mar–Apr 76

The use of sucrose as a cryoprotective agent for the labile sheep erythrocyte–complement component--intermediate complex, EAC142. Hoffmann EM, et al. **J Immunol Methods** 10(2–3):293–9, Mar 76

Effects of sucrose on blood avidity in mosquitoes. Jones JC, et al. **J Insect Physiol** 22(3):357–60, 1976

Effects of chronic consumption of ethanol and sucrose on rat whole brain 5-hydroxytryptamine. Moscatelli EA, et al. **J Neurochem** 25(3):273–6, Sep 75

Nature of the dietary carbohydrate and metabolism of glycosaminoglycans and glycoproteins in rats. Menon PV, et al. **J Nutr** 106(4):555–62, Apr 76

Polyunsaturated fatty acids in hyperlipoproteinemia. I. Influences of a sucrose-rich diet on fatty acid composition of serum lipoprotein lipids. Abrahamsson H, et al. **Nutr Metab** 17(6):329–37, 1974

Effect of dietary substitution of sucrose and its constituent monosaccharides on the activity of aromatic hydroxylase and the level of cytochrome P-450 in hepatic microsomes of growing rats. Basu TK, et al. **Nutr Metab** 18(5–6):302–9, 1975

An investigation in rats, into the metabolic consequences of early ingestion of dietary carbohydrates. Macdonald I, et al. **Nutr Metab** 18(5–6):283–93, 1975

Saliva stimulation in dogs with permanent duct fistulae. Yankell SL, et al. **Pharmacol Ther Dent** :183–90, 1975

The effect of Ca2+, temperature and sucrose upon potassium contracture of the isolated rat right ventricle. Slaviček J. **Physiol Bohemoslov** 25(2):183–7, 1976

Comparison of various cryoprotective agents on washed chicken spermatozoa. 5. Effect of glucose, sucrose and polyvinylpyrrolidone. Sexton TJ. **Poult Sci** 54(4):1297–9, Jul 75

The effect of dietary sucrose and hydrogenated coconut oil on atherosclerosis in Dutch belted rabbits (Oryctolagus cuniculus). Worcester NA, et al. **Proc Nutr Soc** 34(3):125A, Dec 75

The effect of dietary sucrose on lipid metabolism in Dutch belted rabbits (Oryctolagus cuniculus). Worcester NA, et al. **Proc Nutr Soc** 34(3):124A, Dec 75

Effects of repeated injections of sucrose on the kidney. Histologic, cytochemical and functional studies in an animal model. Monserrat AJ, et al. **Virchows Archiv [Cell Pathol]** 19(1):77–91, 29 Sep 75

Effects of high concentrations of sucrose in blood culture media with special reference to the cultivation of Salmonella typhi. Chong Y, et al. **Yonsei Med J** 16(2):99–106, 1975

[Effects of administering diets with starch or sucrose basis on certain parameters of calcium metabolism in the young, growing rat] Artus M. **Ann Nutr Aliment** 29(4):305–12, 1975 (Eng. Abstr.) **(Fre)**

[The effect of cane sugar on serum lipids (author's transl)] Wolfram G, et al. **Munch Med Wochenschr** 117(32–33):1301–6, 8 Aug 75 (Eng. Abstr.) **(Ger)**

[Ultrastructure of the heart muscles following sucrose perfusion] Peter S. **Verh Anat Ges** 69:225–33, 1975 (Eng. Abstr.) **(Ger)**

[Decrease of osmolar resistance in LS fibroblasts cultivated in the presence of saccharose] Sapigni T, et al. **Boll Soc Ital Biol Sper** 51(23):1727–32, 15 Dec 75 **(Ita)**

[The effect of carbohydrates on the development of dental caries under experimental conditions] Khebenshtrait V, et al. **Stomatologiia (Musk)** 54(5):1–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of hypertonic solutions on contracture of a tonic muscle fiber] Nasledov GA, et al. **Tsitologiia** 17(12):1383–8, Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pysicochemical studies of taste reception. V. Suppressive effect of salts on sugar response of the frog. Miyake M, et al. **Biochim Biophys Acta** 436(4):856–62, 15 Jul 76

THERAPEUTIC USE

Clinical comparison between glucose and sucrose additions to a basic electrolyte mixture in the outpatient management of acute gastroenteritis in children. Rahilly PM, et al. **Arch Dis Child** 51(2):152–4, Feb 76

Letter: The use of a calcium sucrose phosphates-calcium orthophosphate complex as a cariostatic agent. Harris R. **Br Dent J** 139(9):344, 4 Nov 75

SUCTORIA

The genetics of mating type in the suctorian Tokophrya

lemnarum. Colgin-Bukovsan LA. **Genet Res** 27(2):303-314, Apr 76

ULTRASTRUCTURE

Microtubules and associated microfilaments in the tentacles of the suctorian Heliophrya erhardi Matthes. Hauser M, et al. **J Cell Sci** 20(3):589-617, May 76

Configurational changes in helical microtubule frameworks in feeding tentacles of the suctorian ciliate Tokophyra. Tucker JB, et al. **Tissue Cell** 7(4):601-12, 1975

SUDDEN INFANT DEATH

Letter: Hypernatraemic dehydration and infant mortality. Rosenbloom L, et al. **Arch Dis Child** 50(9):750, Sep 75

Sudden death in infant primates from induced laryngeal occlusion. Taylor EM, et al. **Arch Otolaryngol** 102(5):291-6, May 76

Letter: Cot deaths in Sweden. Petersson PO, et al. **Br Med J** 3(5981):490, 23 Aug 75

Smothering and overlaying of Virginia slave children: a suggested explanation. Savitt TL. **Bull Hist Med** 49(3):400-4, Fall 75

Letter: Sudden death in infants. Smialek JE. **Can Med Assoc J** 114(6):498, 20 Mar 76

Sudden deaths of babies. James TN. **Circulation** 53(1):1-2, Jan 76

Sudden infant death syndrome: the role of the emergency room physician. Merritt TA, et al. **Clin Pediatr (Phila)** 14(12):1095-7, Dec 75

Cardiorespiratory sequelae in a model of sudden infant death. Bonner RA, et al. **J Maine Med Assoc** 67(4):94-6, Apr 76

Commentary: Sudden infant death syndrome and temperament. Carey WB. **J Pediatr** 88(3):516-7, Mar 76

Sudden infant death syndrome temperament before death. Naeye RL, et al. **J Pediatr** 88(3):511-5, Mar 76

The status of sudden infant death syndrome (1974), and SIDS in Charleston County, South Carolina. Bell TJ, et al. **J SC Med Assoc** 71(10):312-5, Oct 75

Sudden infant death syndrome. Progress report. Moore JC Jr. **J SC Med Assoc** 71(10):316-7, Oct 75

Editorial: Cot death. **Lancet** 2(7943):1024-5, 22 Nov 75

Letter: Cot death. **Lancet** 1(7951):146, 17 Jan 76

Letter: Secretory component and sudden infant death. Williams AL, et al. **Lancet** 1(7957):485-6, 28 Feb 76

Apnea and airway obstruction during feeding and sleep. Steinschneider A, et al. **Laryngoscope** 86(9):1359-66, Sep 76

Letter: Sudden infant death syndrome. Harris MJ. **Med J Aust** 2(5):190, 2 Aug 75

Meeting the many problems of an unexpected infant death. Taylor JR. **Mich Med** 75(4):205-7, Apr 76

Letter: Infant feeding and SIDS. Cunningham AS. **Pediatrics** 58(3):467-8, Sep 76

Sudden infant death syndrome and subsequent pregnancy. Mandell F, et al. **Pediatrics** 56(5):774-6, Nov 75

Nasopharyngitis and prolonged sleep Apnea. Steinschneider A. **Pediatrics** 56(6):967-71, Dec 75

Sudden infant death syndrome: an approach to management. Bergman AB. **Primary Care** 3(1):1-8, Mar 76

Editorial: Sudden infant death syndrome: current status of the problem. Bergman AB. **South Med J** 69(1):1-3, Jan 76

[Violent or sudden infant death?] Srch M. **Cesk Pediatr** 31(1):19, Jan 76 (Eng. Abstr.) **(Cze)**

[Sudden infant death syndrome (SIDS)] Baaken JP, et al. **Ned Tijdschr Geneeskd** 119(43):1674-5, 25 Oct 75 **(Dut)**

[Sudden, unexpected death of infants and electromagnetic fields (author's transl)] Eckert EE. **Med Klin** 71(37):1500-5, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[About correlation between sudden unexpected death and otitis media occulta in infancy and childhood (author's transl)] Ehrhardt G. **Zentralbl Allg Pathol** 119(1-2):91-9, 1975 (Eng. Abstr.) **(Ger)**

[Sudden cardiac death - discussion] Kimura N, et al. **Jpn J Clin Med** 34(2):325-47, 10 Feb 76 **(Jpn)**

[Comparative analysis of the causes of death among infants under 1 year of age in the cities and villages] Dmitriev VI. **Zdravookhr Ross Fed** (12):10-4, Dec 75 **(Rus)**

COMPLICATIONS

Hypoxemia and the sudden infant death syndrome. Naeye RL. **Science** 186(4166):837-8, 29 Nov 74

ETIOLOGY

Previous fetal loss and risk of sudden infant death syndrome in subsequent offspring. Spiers PS. **Am J Epidemiol** 103(4):355-61, Apr 76

Short pregnancy interval, low birthweight, and the sudden infant death syndrome. Spiers PS, et al. **Am J Epidemiol** 104(1):15-21, Jul 76

Cardiac sympathetic innervation and the sudden infant death syndrome. A possible pathogenetic link. Schwartz PJ. **Am J Med** 60(2):167-72, Feb 76 (69 ref.)

Cardiac and other abnormalities in the sudden infant death syndrome. Naeye RL, et al. **Am J Pathol** 82(01):1-8, Jan 76

Thymic dysplasia, persistence of measles virus, and unexpected infant death. Roberts PF. **Arch Dis Child** 50(5):401-3, May 75

Evidence of duration and type of illness in children found unexpectedly dead. Sinclair-Smith C, et al. **Arch Dis Child** 51(6):424-9, Jun 76

Editorial: Risk of cot deaths. **Br Med J** 3(5985):664, 20 Sep 75

Letter: Risk of cot deaths. Wigglesworth R. **Br Med J** 4(5990):228, 25 Oct 75

Editorial: Sudden death in infants. **Can Med Assoc J** 113(9):809-12, 8 Nov 75

Central nervous system damage as a possible component of unexpected deaths in infancy. Anderson-Huntington RB, et al. **Dev Med Child Neurol** 18(4):480-92, Aug 76

Sudden infant death syndrome a new hypothesis. Kravitz H, et al. **Ill Med J** 149(5):444-7, May 76

Hepatic trace elements in the sudden infant death syndrome. Lapin CA, et al. **J Pediatr** 89(4):607-8, Oct 76

Sudden infant death syndrome. Raven C. **JAMA** 235(3):249, 19 Jan 76

Abnormal polygraphic findings in near-miss sudden infant death. Guilleminault C, et al. **Lancet** 1(7973):1326-7, 19 Jun 76

Letter: Abnormal polygraphic findings in near-miss sudden infant death. McNamara J. **Lancet** 02(7987):689, 25 Sep 76

Secretory component and sudden-infant-death syndrome. Ogra PL, et al. **Lancet** 2(7931):387-90, 30 Aug 75

Letter: Islet-cell hyperplasia and sudden infant death. Polak JM, et al. **Lancet** 2(7985):570-1, 11 Sep 76

Letter: Sudden-infant-death syndrome and immunodeficiency. Turner KJ, et al. **Lancet** 2(7941):917, 8 Nov 75

Letter: SIDS--is this the answer? Grice AS. **Med J Aust** 2(21):809, 22 Nov 75

Letter: Sudden death in infancy syndrome in Western Australia. Mandelson G. **Med J Aust** 1(18):677, 1 May 76

Letter: Sudden infant death syndrome. Seifert P. **Med J Aust** 2(21):809, 22 Nov 75

Cot deaths and malnutrition: the role of dehydration. Andrews PS. **Med Sci Law** 15(1):47-50, Jan 75

Editorial: Sudden infant death syndrome. Franciosi RA. **Minn Med** 58(9):683, Sep 75

Sudden infant death syndrome in a hospitalized infant on an apnea monitor. Lewak N. **Pediatrics** 56(2):296-8, Aug 75

Letter: Another idea regarding SIDS. Shaw EB. **Pediatrics** 56(4):612, Oct 75

Apneas during sleep in infants: possible relationship with sudden infant death syndrome. Guilleminault C, et al. **Science** 190(4215):677-9, 14 Nov 75

[Letter: Sudden infant death syndrome] Rottier AB. **Ned Tijdschr Geneeskd** 120(14):621, 3Apr 76 **(Dut)**

[Letter: Sudden infant death syndrome (SIDS)] Vaandrager GJ. **Ned Tijdschr Geneeskd** 119(29):1156, 19 Jul 75 **(Dut)**

[The mechanism of sudden death in infants and small children] Popczyńska-Markowa M, et al. **Patol Pol** 27(1):1-8, 1976 **(Pol)**

[Sudden death caused by cardiac tumor in a 7-month-old infant] Herzovi F, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(4):345-51, Oct-Dec 75 (Eng. Abstr.) **(Rum)**

[Sudden infant death in staphylococcal larynogotracheitis] Puchkov GF. **Vestn Otorinolaringol** (5):71-3, Sept-Oct 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Development of germinal centres in the spleen in infants related to birth and unexpected death. Al Barzanji AJ, et al. **J Clin Pathol** 29(8):675-9, Aug 76

Letter: HLA and sudden infant death. Tait BD, et al. **Lancet** 1(7970):1178-9, 29 May 76

Sudden infant death syndrome in South Australia. Measurement of serum IgE antibodies to three common allergens. Turner KJ, et al. **Med J Aust** 2(23):855-9, 6 Dec 75

[Critical examination of postmortem IgA-, IgG- and IgM serum levels in sudden unexpected deaths during infancy (author's transl)] Althoff H. **Z Rechtsmed** 78(1):57-67, 30 Jun 76 (Eng. Abstr.) **(Ger)**

METABOLISM

Fatty change in the brain in perinatal and unexpected death. Gadsdon DR, et al. **Arch Dis Child** 51(1):42-48, Jan 76

Proceedings: Fatty change in brains of perinatal and unexpected deaths. Gadson DR, et al. **Arch Dis Child** 50(8):664, Aug 75

MORTALITY

Proceedings: Postperinatai deaths and unexpected deaths in infancy: prospective study. Emery JL. **Arch Dis Child** 50(8):664, Aug 75

Letter: Deaths in infancy. Tonkin SL. **NZ Med J** 83(559):167, 10 Mar 76

OCCURRENCE

Letter: Cot deaths in Sweden. Freedman D. **Br Med J** 4(5994):463, 22 Nov 75

Department of Health and Welfare. Sudden infant death syndrome in Maine. Zidowecki HM. **J Maine Med Assoc** 67(5):128, 135, May 76

Sudden death in infancy in Inner North London. Cameron JM, et al. **J Pathol** 117(1):55-61, Sep 75

Sudden death in infancy syndrome in Western Australia. Hilton JM, et al. **Med J Aust** 1(13):427-30, 27 Mar 76

Sudden and unexpected deaths in infancy and the pattern of post-neonatal deaths in Sheffield 1961-72: the coroner's view. Pilling HH. **Med Sci Law** 16(1):25-8, Jan 76

Cot deaths in Southland. Asher MI. **NZ Med J** 82(553):369-73, 10 Dec 75

[Analysis of sudden infant deaths (studies of 1127 cases in the district of Halle from 1945 to 1973)] Weingärtner L, et al. **Z Aerztl Fortbild (Jena)** 69(9):477-81, 1 May 75 **(Ger)**

[Epidemiology of infant deaths at home and the problem of sudden death] Herzovi F, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(1):69-78, Jan-Mar 76 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Brain-stem and adrenal abnormalities in the sudden-infant-death syndrome. Naeye RL. **Am J Clin Pathol** 66(3):526-30, Sep 76

Brown fat retention in sudden infant death syndrome. Valdes-Dapena MA, et al. **Arch Pathol Lab Med** 100(10):547-9, Oct 76

Histopathology of the conduction system in the sudden infant death syndrome. Lie JT, et al. **Circulation** 53(1):3-8, Jan 76

Fibrosis of the conducting tissue in infancy. Kendeel SR, et al. **J Pathol** 117(2):123-30, Oct 75

Carotid body in the sudden infant death syndrome. Naeye RL, et al. **Science** 191(4227):567-9, 13 Feb 76

[The thymus gland and sudden infant death syndrome (SIDS)] Baak JP. **Ned Tijdschr Geneeskd** 119(43):1676-8, 25 Oct 75 **(Dut)**

PHYSIOPATHOLOGY

Potential role of QT interval prolongation in sudden infant death syndrome. Maron BJ, et al. **Circulation** 54(3):423-30, Sep 76

PREVENTION & CONTROL

Letter: Sudden death in infancy. Magura S. **Nature** 256(5517):519, 7 Aug 75

A reexamination of 'the apnea monitor business'. Steinschneider A. **Pediatries** 58(1):1-5, Jul 76

SUDECK'S ATROPHY

Sudeck's atrophy. A case report. Papier MJ, et al. **J Am Podiatry Assoc** 66(5):327-31, May 76

[Reflex algoneurodystrophy of the upper limbs. Study based on 106 cases (1967-1974)] Portias LH. **Sem Hop Paris** 51(44):2687-95, 9 Nov 75 **(Fre)**

[Algoneurodystrophic syndromes: 11 cases observed in a year] Carrozzo M, et al. **Reumatismo** 24(4):283-91, Oct-Dec 72 **(Ita)**

DIAGNOSIS

[Bone scintigraphy with 87mStrontium in Sudeck's bone dystrophy] Kutzner J, et al. **Strahlentherapie [Sonderb]** 74:357-60, 1975 **(Ger)**

[Reflex-dystrophic pseudo-arthritis or Sudeck syndrome (author's transl)] Pohl W, et al. **Z Orthop** 114(1):38-44, Feb 76 (Eng. Abstr.) **(Ger)**

[Simulation of ankylosis] Meier zu Eissen P, et al. **Zentralbl Chir** 100(9):565-70, 1975 **(Ger)**

DRUG THERAPY

[Current viewpoint on Sudeck's dystrophy] Wondrák E. **Beitr Orthop Traumatol** 22(3):187-90, Mar 75 **(Ger)**

ETIOLOGY

[Sudeck's syndrome on the foot] Eis E. **Beitr Orthop Traumatol** 22(2):101-2, Feb 75 **(Ger)**

PATHOLOGY

[A contribution to the morphology of Sudeck's syndrome (author's transl)] Farkas TA, et al. **Z Orthop** 113(3):421-4, Jun 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The reflex sympathetic dystrophy syndrome. A comprehensive analysis using fine-detail radiography, photon absorptiometry, and bone and joint scintigraphy. Genant HK, et al. **Radiology** 117(1):21-32, Oct 75

SUDOXICAM see under **THIAZINES**

SUFFOCATION see **ASPHYXIA**

SUGAR ACIDS

Phytohemagglutinin-induced change in the distribution of acidic sugars in surface membrane of lymphoid cells and blocking of the radiation effect. Sato C, et al. **Exp Cell Res** 98(1):90-4, 1 Mar 76

Plasma ionic calcium levels following injection of chloride, gluconate, and gluceptate salts of calcium. White RD, et al. **J Thorac Cardiovasc Surg** 71(4):609-13, Apr 76

[Molecular orbital calculations as a contribution to the elucidation of the mechanism of action of penicillin (author's transl)] Höltje HD. **Arch Pharm (Weinheim)** 309(1):26-34, Jan 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

3-Deoxy-2-octulosonic acid 5-phosphate: a component of the endotoxin of Bordetella pertussis. Chaby R, et al. **Eur J Biochem** 59(1):277–80, 1 Nov 75

Fluorescence densitometric method for the determination of gluconic and lactobionic acids ('sugar acids') in pharmaceutical preparations. Gübitz G, et al. **J Chromatogr** 117(2):337–43, 18 Feb 76

[Investigation on fats of Virola surinamenis; I. Glyceride and acid composition, and chemical nature of various unsaponificable components] Baruffaldi R, et al. **Rev Farm Bioquim Univ Sao Paulo** 13(1):91–102, Jan–Jun 75 (Eng. Abstr.) **(Por)**

CHEMICAL SYNTHESIS

The synthesis of 3-deoxyheptulosonic acid 7-phosphate. Herrmann KM, et al. **J Biol Chem** 250(17):6817–21, 10 Sep 75

DIAGNOSTIC USE

Routine renal imaging after 99mTc-glucoheptonate brain scans. Kahn PC, et al. **J Nucl Med** 17(9):786–7, Sep 76

Detection and size estimation of acute myocardial infarction using 99Tc-glucoheptonate. Rossman DJ, et al. **J Nucl Med** 16(11):980–5, Nov 75

Technetium-99m-glucoheptonate as a brain-scanning agent: critical comparison with pertechnetate. Waxman AD, et al. **J Nucl Med** 17(5):345–8, May 76

IMMUNOLOGY

Modulation of the immune response by a synthetic adjuvant and analogs. Chedid L, et al. **Proc Natl Acad Sci USA** 73(7):2472–5, Jul 76

METABOLISM

New mechanisms for the biosynthesis and metabolism of 2-keto-L-gulonic acid in bacteria. Makover S, et al. **Biotechnol Bioeng** 17(10):1485–1514, Oct 75

[Metabolism of L-ascorbic, L-dehydroascorbic and 2,3-diketo-L-gulonic acids during a short duration fast in guinea pigs] Poisson JP. **Ann Nutr Aliment** 29(2):117–36, 1975 (Eng. Abstr.) **(Fre)**

[Study of the formation of N-glycolylmuramic acid from Nocardia asteroides (author's transl)] Gateau O, et al. **Biochim Biophys Acta** 421(2):395–405, 24 Feb 76 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Correlation between the immunoadjuvant activities and pyrogenicities of synthetic N-acetylmuramyl-peptides or -amino acids. Kotani S, et al. **Biken J** 19(1):9–13, Mar 76

Evidence that D-glucaro-1,4-lactone shortens the pharmacological action of drugs being disposed via the bile as glucuronides. Marselos M, et al. **Biochem Pharmacol** 24(20):1855–8, 15 Oct 75

[Reduction of the biological activity of Vibrio cholerae culture filtrates exposed to neuraminidase inhibitors] Durikhin KV. **Biull Eksp Biol Med** 81(4):452–4, 1976 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Acid mucopolysaccharide metabolism in leprosy. 3. Hyaluronic acid mycobacterial growth enhancement, and growth suppression by saccharic acid and vitamin C as inhibitors of beta-glucuronidase. Matsuo E, et al. **Int J Lepr** 43(1):1–13, Jan–Mar 75

Effect of D-Glucarates on basic antibiotic-induced renal damage in rats. Furuno K, et al. **J Antibiot (Tokyo)** 29(2):187–94, Feb 76

URINE

Urinary d-glucaric acid excretion and serum gamma-glutamyl transpeptidase activity in alcoholism. Spencer-Peet J, et al. **Br J Addict** 70(4):359–64, Dec 75

Paradoxical urinary excretion of D-glucaric acid in acute viral hepatitis. Sorrell MF, et al. **Clin Pharmacol Ther** 20(3):365–8, Sep 76

Urinary D-glucaric acid excretion in children with dystonic reactions caused by antiemetic drugs. Cassimos C, et al. **J Pediatr** 87(6 Pt 1):981–2, Dec 75

[Non-dialyzable beta-glucuronidase inhibitor in guinea-pig urine. I. Purification (author's transl)] Kaizu T. **J Pharm Soc Jpn** 95(10):1226–33, Oct 75 (Eng. Abstr.) **(Jpn)**

SUGAR ALCOHOLS

IUPAC Commission on the Nomenclature of Organic Chemistry (CNOC) and IUPAC-IUB Commission on Biochemical Nomenclature (CBN). Nomenclature of cyclitols. Recommendations, 1973. **Biochem J** 153(1):23–31, 1 Jan 76

The formation of 1,6-thioanhydrohexitols from the 1,6-di-O-mesyl derivatives of D-mannitol and galactitol. Jarman M, et al. **Carbohydr Res** 44(2):317–20, Nov 75

Methylation analysis of glucosaminitol and glucosaminyl-glucosaminitol disaccharides. Formation of 2-deoxy-2-(N-acetylacetamido)-glucitol derivatives. Hase S, et al. **Eur J Biochem** 63(1):93–9, 16 Mar 76

[Stereochemistry of sugar and sugar alcohol, with reference to their biochemical and physiologic-chemical role] Heyns K. **Nutr Metab** 18 Suppl 1:1–12, 1975 **(Ger)**

ADVERSE EFFECTS

Sugar alcohols in the pathogenesis of galactose and diabetic cataracts. van Heyningen R. **Birth Defects** 12(3):295–303, 1976 (15 ref.)

Side effects of sugar substitutes during intravenous administration. Thomas DW, et al. **Nutr Metab** 18 Suppl 1:227–41, 1975

ANALYSIS

Variation in polyol levels in cerebrospinal fluid and serum in diabetic patients. Servo C, et al. **Diabetologia** 11(6):575–80, Dec 75

[Acid hydrolysis of mandioca] Colombo AJ, et al. **Rev Farm Bioquim Univ Sao Paulo** 13(1):75–90, Jan–Jun 75 (Eng. Abstr.) **(Por)**

BIOSYNTHESIS

Effects of dehydroepiandrosterone and 16 alpha-hydroxydehydroepiandrosterone on the reduction of glucose to glucitol by the human placenta. Mango D, et al. **Horm Metab Res** 8(4):302–7, Jul 76

BLOOD

[A comparison of the metabolic effects of glucose, fructose, sorbitol, and xylitol in healthy subjects and the influence of tolbutamide and butylbiguanide (author's transl)] Brodanová M, et al. **Sb Lek** 77(8):244–56, Aug 75 (Eng. Abstr.) **(Cze)**

CHEMICAL SYNTHESIS

The formation of 1,6-thioanhydrohexitols from the 1,6-di-O-mesyl derivatives of D-mannitol and galactitol. Jarman M, et al. **Carbohydr Res** 44(2):317–20, Nov 75

ISOLATION & PURIFICATION

Studies on a microchemical method for the determination of the degree of polymerization of neutral oligo- and polysaccharides. I. Quantitative separation of trace amounts of alditols from mixtures with a large excess of monosaccharides. Yamaguchi H, et al. **J Biochem (Tokyo)** 79(2):299–303, Feb 76

METABOLISM

Enzyme activities associated with arabitol and mannitol biosynthesis and catabolism in Schizophyllum commune. Speth JL, et al. **Arch Microbiol** 107(1):81–6, Feb 76

Pathway of galactitol catabolism in Klebsiella pneumoniae. Markwell J, et al. **Biochem Biophys Res Commun** 71(1):221–7, 12 Jul 76

2,6-anhydro-1-diazo-1-deoxy-D-glycero-L-manno-hept a specific blocking agent for the active site of beta-galactosidase. Brockhaus M, et al. **FEBS Lett** 62(2):154–6, 15 Feb 76

Transport of acyclic polyols in Saccharomyces cerevisiae. Canh DS, et al. **Folia Microbiol (Praha)** 20(4):320–5, 1975

Comparative biochemical investigations on the degradation of sugars and sugar alcohols by microorganisms of the oral cavity. Gülzow HJ. **Int J Vitam Nutr Res** (15):348–57, 1975

Quantitatively minor areas of metabolism of both sugar alcohols and sugars. Renold AE. **Int J Vitam Nutr Res** (15):52–3, 1976

Metabolism and caloric utilization of orally administered maltitol-14C in rat, dog, and man. Rennhard HH, et al. **J Agric Food Chem** 24(2):287–9, Mar–Apr 76

Nature and properties of hexitol transport systems in Escherichia coli. Lengeler J. **J Bacteriol** 124(1):39–47, Oct 75

Mutations affecting transport of the hexitols D-mannitol, D-glucitol, and galactitol in Escherichia coli K-12: isolation and mapping. Lengeler J. **J Bacteriol** 124(1):26–38, Oct 75

Growth on D-arabitol of a mutant strain of Escherichia coli K12 using a novel dehydrogenase and enzymes related to L-1,2-propanediol and D-xylose metabolism. Wu TT. **J Gen Microbiol** 94(2):246–56, Jun 76

Production of threitol and sorbitol by an adult insect: association with freezing tolerance. Miller LK, et al. **Nature** 258(5535):519–20, 11 Dec 75

Incorporation of 3H-dibromodulcitol and 3H-dianhydrodulcitol into ascites tumor cells. Autoradiographic study. Kopper L, et al. **Neoplasma** 23(1):47–52, 1976

Studies on isomaltitol. Siebert G, et al. **Nutr Metab** 18 Suppl 1:191–6, 1975

[Transport and utilization of alditols in the yeast Rhodotorula gracilis glutinis (author's transl)] Klöppel R, et al. **Arch Microbiol** 107(3):335–42, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Transport and utilization of alditols in the yeast Rhodotorula gracilis glutinis (author's transl)] Klöppel R, et al. **Arch Microbiol** 107(3):329–34, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Sugar and sugar substitutes in the dietetics of carbohydrate metabolism disorders] Mehnert H, et al. **Nutr Metab** 18 Suppl 1:171–90, 1975 **(Ger)**

[Sugars and sugar substitutes. Concluding address] Zöllner N. **Nutr Metab** 18 Suppl 1:263–6, 1975 **(Ger)**

[Sugars and sugar substitutes. Introduction] Zöllner N. **Nutr Metab** 18 Suppl 1:V–VII, 1975 **(Ger)**

PHARMACODYNAMICS

The effect of dibromo-dulcitol, diepoxy dulcitol and various new cytostatic hexitol derivatives on the metabolic activities of nucleic acids and proteins--II. Hidvégi EJ, et al. **Biochem Pharmacol** 25(15):1705–10, 1 Aug 76

Stimulation of the gerbil's gustatory receptors by polyols. Jakinovich W Jr, et al. **Brain Res** 110(3):505–13, 16 Jul 76

Survival and phase sensitivity of HeLa cells treated with dianhydrogalactitol (NSC-132313). Pályi I. **Cancer Chemother Rep** 59(3):493–9, May–Jun 75

Cariogenicity of nine sugars tested with an intraoral device in man. Koulourides T, et al. **Caries Res** 10(6):427–41, 1976

Oxalate excretion during carbohydrate infusions. Thomas DW, et al. **Int J Vitam Nutr Res** (15):181–92, 1976

PHYSIOLOGY

Metabolism and physiological effects of the polyols (alditols). pp. 123–34. Touster O. **In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974.** (43 ref.)

THERAPEUTIC USE

Preliminary pharmacological studies with 1,6-dimesyl-2,3-4,5-dianhydro-L-iditol in patients with cancer. Cseténvi J, et al. **Eur J Cancer** 11(9):675–6, Sep 75

Phase I study of a five-day intermittent schedule for 1,2:5,6-dianhydrogalactitol (NSC-132313). Eagan RT, et al. **J Natl Cancer Inst** 56(1):179–81, Jan 76

Dianhydrogalactitol (NSC-132313): pharmacokinetics in normal and tumor-bearing rat brain and antitumor activity against three intracerebral rodent tumors. Levin VA, et al. **J Natl Cancer Inst** 56(3):535–9, Mar 76

SUGAR PHOSPHATES

Dimerization of erythrose 4-phosphate. Blackmore PF, et al. **FEBS Lett** 64(1):222–6, 15 Apr 76

ANALYSIS

3-Deoxy-2-octulosonic acid 5-phosphate: a component of the endotoxin of Bordetella pertussis. Chaby R, et al. **Eur J Biochem** 59(1):277–80, 1 Nov 75

Identification of ribitol phosphate as a constituent of the lipopolysaccharide from Proteus mirabilis, Strain D52. Gmeiner J. **Eur J Biochem** 58(2):627–9, 15 Oct 75

Maltose phosphate in isolated spinach chloroplasts. Schilling N, et al. **FEBS Lett** 61(2):192–3, 15 Jan 76

CHEMICAL SYNTHESIS

Synthesis and stereochemistry of 6-deoxy-6-halogeno-D-glucofuranose cyclic phosphates. Kochetkov NK, et al. **Carbohydr Res** 47(2):221–31, Apr 76

The synthesis of 3-deoxyheptulosonic acid 7-phosphate. Herrmann KM, et al. **J Biol Chem** 250(17):6817–21, 10 Sep 75

METABOLISM

The effect of serum on the transport and phosphorylation of 2-deoxyglucose by untransformed and transformed mouse 3T3 cells. Hassell JA, et al. **J Cell Physiol** 86(1):37–45, Aug 75

PHARMACODYNAMICS

Inhibition of peptide chain initiation in lysates from ATP-depleted cells.I. Stages in the evolution of the lesion and its reversal by thiol compounds, cyclic AMP or purine derivatives and phosphorylated sugars. Giloh H, et al. **Biochim Biophys Acta** 414(3):293–308, 19 Dec 75

Mechanistic implications of the pH independence of inhibition of phosphoglucose isomerase by neutral sugar phosphates. Chirgwin JM, et al. **J Biol Chem** 250(18):7277–9, 25 Sep 75

RADIATION EFFECTS

Radiosensitivity and hydroxyl radical reactivity of phosphate esters as measured by radiation-induced dephosphorylation. Greenstock CL, et al. **Int J Radiat Biol** 28(1):1–12, Jul 75

THERAPEUTIC USE

Effect of the interferon inducer, dextran phosphate, on influenza virus infection in mice. Suzuki F, et al. **Proc Soc Exp Biol Med** 149(4):1069–75, Sep 75

SUGARS see **CARBOHYDRATES**

SUGGESTION

see related
AUTOGENIC TRAINING

Inner-dynamics of alpha-waves in pupils studying different school subjects by the suggestopaedic system. Noncheva R. **Agressologie** 15(7):423–8, 1974

Responding to 'hypnotic' suggestions: an introspective report.

Barber TX. **Am J Clin Hypn** 18(1):6–22, Jul 75
The elusive nature of completing an uncompleted posthypnotic suggestion. Coe WC. **Am J Clin Hypn** 18(4):263–71, Apr 76
The treatment of psychophysiological disorders and severe anxiety by behavior therapy, hypnosis and transcendental meditation. Daniels LK. **Am J Clin Hypn** 17(4):267–70, Apr 75
Two level communication and the microdynamics of trance and suggestion. Erickson MH, et al. **Am J Clin Hypn** 18(3):153–71, Jan 76
Psychogenic tremor and asomatognosia. Fogel S. **Am J Clin Hypn** 19(1):57–61, Jul 76
Hypnotic suggestions for blister formation: subjective and physiological effects. Johnson RF, et al. **Am J Clin Hypn** 18(3):172–81, Jan 76
Experimentally produced self-repugnant behavior as a function of hypnosis and waking suggestion: a pilot study. O'Brien RM, et al. **Am J Clin Hypn** 18(4):272–6, Apr 76
Autohypnosis in functional megacolon in children. Olness K. **Am J Clin Hypn** 19(1):28–32, Jul 76
The production of fasciculations by suggestion. Overlade DC. **Am J Clin Hypn** 19(1):50–6, Jul 76
Involvement in suggestion-related imaginings and the 'hypnotic dream'. Spanos N, et al. **Am J Clin Hypn** 18(1):43–51, Jul 75
Response of asthmatics to methacholine and suggestion. Spector S, et al. **Am Rev Respir Dis** 113(1):43–50, Jan 76
Relaxing and encouraging suggestions given to hospitalized chronic schizophrenics. Ihalainen O, et al. **Int J Clin Exp Hypn** 24(3):228–37, Jul 76
Self-hypnosis: the result of heterohypnosis or vice versa? Ruch JC. **Int J Clin Exp Hypn** 23(4):282–304, Oct 75
Effects of experimenter modeling, demands for honesty, and initial level of suggestibility on response to 'hypnotic' suggestions. Comins JR, et al. **J Consult Clin Psychol** 43(5):668–75, Oct 75
Social class and diagnostic suggestion as variables in clinical judgment. Di Nardo PA. **J Consult Clin Psychol** 43(3):363–8, Jun 75
Intensive hypno-autohypnosis in resistant psychosomatic disorders. Maher-Loughnan GP. **J Psychosom Res** 19(5–6):361–5, 1975
Effects of suggestion of relaxation or analgesia on pain threshold and pain tolerance in the waking and in the hypnotic state. Stacher G, et al. **J Psychosom Res** 19(4):259–65, 1975
Towards a diagnosis of 'health-care' disease. Wright JT. **Med J Aust** 1(20):752–3, 15 May 76
Hypnotic suggestion of stimulus change and visual cortical evoked potential. Andreassi JL, et al. **Percept Mot Skills** 42(2):371–8, Apr 76
[Suggestibility as a therapy factor in various forms of smoking therapy] Ehlers W, et al. **Arch Psychol (Frankf)** 127(3–4):210–9, 1975 (Eng. Abstr.) **(Ger)**
[Chronic hysterical conversion] Kędzior J, et al. **Psychiatr Pol** 10(2):218–9, Mar–Apr 76 **(Pol)**
[Importance of psychotherapy in prevention of hypertensive crises and acute cerebrovascular disorders] Rutsitskiĭ EM, et al. **Klin Med (Mosk)** 53(9):20–4, Sep 75 (Eng. Abstr.) **(Rus)**
[Psychotherapy in the prosthetic clinic] Sitskaia KV. **Ortop Travmatol Protez** (12):15–20, Dec 75 (Eng. Abstr.) **(Rus)**
[Successful use of hypnotherapy in a 4 1/2-year-old child after adenotomy] Shul'man SA, et al. **Zh Ushn Nos Gorl Bolezn** (4):106–7, Jul–Aug 75 **(Rus)**
[High frequency generator as aid to increasing suggestibility (author's transl)] Kvasnička L, et al. **Cesk Psychiatr** 71(2–3):162–4, Jun 75 (Eng. Abstr.) **(Slo)**

SUICIDE

Proceedings: A method of predicting suicidal behaviour. Taussigová D, et al. **Act Nerv Super (Praha)** 17(4):240–1, 1975
Proceedings: Suicide in adolescence. Daniel WA Jr. **Acta Paediatr Scand [Suppl]** (256):37, 1975
Birthday blues: the association of birthday with self-inflicted death in the elderly. Barraclough BM, et al. **Acta Psychiatr Scand** 54(2):146–9, Aug 76
Determination of monoamine and monoamine metabolites in the human brain: post mortem studies in a group of suicides and in a control group. Beskow J, et al. **Acta Psychiatr Scand** 53(1):7–20, Jan 76
An adolescent suicide, the mass media and the educator. Garner HG. **Adolescence** 10(38):241–6, Summer 75
Suicides in literature: their ego function. Slochower H. **Am Imago** 32(04):389–416, Winter 75
Massive colchicine overdose: a report on the toxicity. Heaney D, et al. **Am J Med Sci** 271(2):233–8, Mar–Apr 76
The potential for suicide. Bahra RJ. **Am J Nurs** 75(10):1782–8, Oct 75
Murder and the death penalty: a case report. Diamond BL. **Am J Orthopsychiatry** 45(4):712–22, Jul 75
Capital punishment as suicide and as murder. Solomon GF. **Am J Orthopsychiatry** 45(4):701–11, Jul 75
Classification of suicidal behaviors. II. Dimensions of suicidal intent. Beck AT, et al. **Arch Gen Psychiatry** 33(7):835–7, Jul 76
The communication of suicidal intent. A reexamination. Kovacs M, et al. **Arch Gen Psychiatry** 33(2):198–201, Feb 76
Suicide--the other side. The factor of reality among suicidal motivations. Lowental U. **Arch Gen Psychiatry** 33(7):838–42, Jul 76
Hopelessness, depression, and suicide intent. Wetzel RD. **Arch Gen Psychiatry** 33(9):1069–73, Sep 76
Two unusual barbiturate deaths. Poklis A, et al. **Arch Toxicol (Berl)** 34(1):77–80, 5 Sep 75
Regional serotonin levels in brain: a comparison of depressive suicides and alcoholic suicides with controls. Cochran E, et al. **Biol Psychiatry** 11(3):283–94, Jun 76
Monosymptomatic hypochondriasis, abnormal illness behaviour and suicide. Bebbington PE. **Br J Psychiatry** 128:475–8, May 76
Cross-validation of a predictive scale for subsequent suicidal behaviour in an Italian sample. Garzotto N, et al. **Br J Psychiatry** 128:137–40, Feb 76
Attitudes towards self-poisoning among physicians and nurses in a general hospital. Ramon S, et al. **Br J Psychiatry** 127:257–64, Sep 75
Attitude to psychiatric treatment before suicide in schizophrenia and paranoid psychoses. Virkkunen M. **Br J Psychiatry** 128:47–9, Jan 76
Why do people use paracetamol for suicide? Gazzard BG, et al. **Br Med J** 1(6003):212–3, 24 Jan 76
Letter: Suicide with tricyclic antidepressants. Revill MG. **Br Med J** 2(6033):475, 21 Aug 76
Thiopental suicide — case report. Backer RC. **Clin Toxicol** 8(3):283–7, 1975
A developmental theory of suicide. Draper E. **Compr Psychiatry** 17(1):63–80, Jan–Feb 76
The psychological autopsy as a therapeutic tool. Sanborn DE 3d, et al. **Dis Nerv Syst** 37(1):5–8, Jan 76
Suicidal poisoning by nitrite. De Beer J, et al. **Eur J Toxicol Environ Hyg** 8(4):247–51, Jul–Aug 75
Self-destructive crises in the older person. Farberow NL, et al. **Gerontologist** 15(4):335–7, Aug 75
The suicidal patient. pp. 169–91. Burgess AW, et al. **In: Burgess AW, Lazare A, ed. Community mental health: target populations. Englewood Cliffs, N.J., Prentice-Hall, 1976. WM 30 B955c 1976.**
Suicide among children in Bangalore. Sathyavathi K. **Indian J Pediatr** 42(329):149–57, Jun 75
Assisted suicide: some ethical considerations. Slater E. **Int J Health Serv** 6(2):321–30, 1976
Psychoanalytic observations on the last painting and suicide of Vincent van Gogh. Heiman M. **Int J Psychoanal** 57(1–2):71–84, 1976
Extrapolation from attempted suicides to completed suicides. Lester D, et al. **J Abnorm Psychol** 84(5):563–6, Oct 75
Completed suicides and their previous attempts. Lester D, et al. **J Clin Psychol** 32(3):553–5, Jul 76
Social perception of suicide: effects of three factors on causal attributions. Selby JW, et al. **J Consult Clin Psychol** 43(3):431, Jun 75
A suicidal gunshot wound of the back. Hirsch CS, et al. **J Forensic Sci** 21(3):659–66, Jul 76
The impact of staff suicide on a psychiatric inpatient unit. Soreff SM. **J Nerv Ment Dis** 161(2):130–3, Aug 75
Lowered monoamine oxidase activity in brains from alcoholic suicides. Gottfries CG, et al. **J Neurochem** 25(5):667–73, Nov 75
Prediction of suicide: a replication study. Farberow NL, et al. **J Pers Assess** 39(5):497–501, Oct 75
Suicidal age and childhood onychophagia among veterans with personality disorders. Weinlander MM, et al. **J Psychol** 92(first half):77–8, Jan 76
Editorial: Hope, suicide, and medical practice. Motto JA. **JAMA** 234(11):1168–9, 15 Dec 75
Adolescents in distress. Suicide and out-of-control behaviors. Hofmann AD. **Med Clin North Am** 59(6):1429–37, Nov 75
Suicidal intoxication with Dettol (chloroxylenol) (a case report). Coutselinis A, et al. **Med Sci Law** 16(3):180, Jul 76
A stud (cartridge) gun suicide (a case report). Goonetilleke UK. **Med Sci Law** 16(3):181–4, Jul 76
Suicide by fire. Newton J. **Med Sci Law** 16(3):177–9, Jul 76
Gastric pathology in cases of suicide. Patel NS. **Med Sci Law** 16(1):21–4, Jan 76
Tandem bullet in the head in a case of suicide. Timperman J, et al. **Med Sci Law** 15(4):280–3, Oct 75
Suicide: Youth's high vulnerability to it/signs to look for/how you can help. Hersh SP. **MH** 59(3):23–5, Summer 75
Predicting suicide gestures in a naval recruit population. Hoiberg A, et al. **Milit Med** 141(5):327–31, May 76
Editorial: The sometimes science of suicidology. Shershow JC. **N Engl J Med** 294(6):332–3, 5 Feb 76
Drugs ingested in suicide attempts and fatal outcome. Holland J, et al. **NY State J Med** 75(13):2343–9, Nov 75
Today's problems in penology. Malcolm BJ. **NY State J Med** 75(10):1812–4, Sep 75
Suicidal behavior of children and youth. McAnarney ER. **Pediatr Clin North Am** 22(3):595–604, Aug 75
Urinary purine levels in suicide. Lis AW, et al. **Physiol Chem Phys** 7(4):325–33, 1975
Cancerophobic suicides and history of cancer. Sanborn DE 3d, et al. **Psychol Rep** 38(2):602, Apr 76
Self-evaluation and suicide potential. Wenz FV. **Psychol Rep** 39(1):289–90, Aug 76
Regional distribution of norepinephrine and dopamine in brains of depressive suicides and alcoholic suicides. Moses SG, et al. **Psychopharmacol Commun** 1(3):327–37, 1975
Suicide potential in a normal adult population. Zung WW, et al. **Psychosomatics** 17(1):37–41, 1976
Emergency treatment of drug overdose. Guarino GB, et al. **Rocky Mt Med J** 72(10):446–8, Oct 75
A psychological autopsy of an indian adolescent suicide with implications for community services. Blanchard JD, et al. **Suicide** 6(1):3–10, Spring 76
Self-destructive consequences of sex-role socialization. Clifton AK, et al. **Suicide** 6(1):11–22, Spring 76
Banality reinvestigated: A computer-based content analysis of suicidal and forced death documents. Henken VJ. **Suicide** 6(1):36–43, Spring 76
Is there a biochemical predictor of suicide? Krieger G. **Suicide** 5(4):228–31, Winter 75
Death and suicide in modern lyrics. Nigro D. **Suicide** 5(4):232–45, Winter 75
Transcultural attitudes toward homocide and suicide. Weiss JM, et al. **Suicide** 5(4):223–7, Winter 75
Legacy of a suicide. Buksbazen C. **Suicide Life Threat Behav** 6(2):106–22, Summer 76
Rescue fantasies in homicide-suicide. Selkin J. **Suicide Life Threat Behav** 6(2):79–85, Summer 76
Far-advanced pulmonary interstitial disease with normal findings on a chest radiograph. Glauser FL, et al. **West J Med** 123(6):492–5, Dec 75
Suicide and the young. **WHO Chron** 29(5):193–8, May 75
[Problems of suicide and attempted suicide in children] Lukeš J, et al. **Cesk Pediatr** 30(5):232–4, May 75 (Eng. Abstr.) **(Cze)**
[Clinical and therapeutic problems posed by hangings. Apropos of 67 cases] Scheydeker JL, et al. **Ann Anesthesiol Fr** 16(6):465–8, Oct 75 (Eng. Abstr.) **(Fre)**
[Attitudes and resistance to an epidemiological survey. Desire of attendants and suicide] pp. 59–78. Colin M, et al. **In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e.** **(Fre)**
[Epidemiology of suicide] pp. 5–8. Crocq L. **In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e.** **(Fre)**
[Fatal case of nivaquine poisoning. Medico-legal and toxicological study] Lazarini HJ, et al. **Med Leg Dommage Corpor** 7(4):332, Oct–Dec 74 (Eng. Abstr.) **(Fre)**
[Suicide and crime. Statistics of the Institut médico-légal de Lyon, 1972–1973] Mallie D, et al. **Med Leg Dommage Corpor** 7(4):380–7, Oct–Dec 74 **(Fre)**
[Attempt at suicide by adolescents] Duché DJ. **Rev Neuropsychiatr Infant** 22(10–11):639–56, Oct–Nov 74 **(Fre)**
[Juvenile depression. Remarks concerning suicidology and the epidemiological origin] Soubrier JP. **Rev Neuropsychiatr Infant** 24(6):305–8, Jun 76 (Eng. Abstr.) **(Fre)**
[Suicide and general medicine] Haddad N, et al. **Tunis Med** 53(2):145–52, Mar–Apr 75 **(Fre)**
[Unusual suicide through hanging] Bauer G. **Arch Kriminol** 156(3–4):80–4, Sep–Oct 75 **(Ger)**
[Suicide of a woman by multiple gash, cut and stab wounds] Bauer G. **Arch Kriminol** 157(1–2):23–9, Jan–Feb 76 **(Ger)**
[Death due to 'harakiri' or gasoline fumes?] Beckmann G, et al. **Arch Kriminol** 154(3–4):77–82, Sep–Oct 74 **(Ger)**
[Foreign bodies in the pharynx—homicide or suicide?] Bonte W, et al. **Arch Kriminol** 156(5–6):160–8, Nov–Dec 75 **(Ger)**
[Heart stab, homicide or suicide] Haarhoff K, et al. **Arch Kriminol** 155(3–4):103–9, Mar–Apr 75 **(Ger)**
[Strangulation and hanging, suicide or accidnet?] Holzer JF. **Arch Kriminol** 151(1–2):17–22, Jan–Feb 73 **(Ger)**
[Suicides and homicides under the disguise of an autoerotic accident] Naeve W. **Arch Kriminol** 154(5–6):145–9, Nov–Dec 74 **(Ger)**
[Cause of death determination and identity of an unknown man] Rengei B, et al. **Arch Kriminol** 151(1–2):23–5, Jan–Feb 73 **(Ger)**
[Suicide due to double bolt shot into the head] Schiermeyer H. **Arch Kriminol** 151(3–4):87–90, Mar–Apr 73 **(Ger)**
[Stereotyped suicide using electric current] Staak M, et al. **Arch Kriminol** 150(5–6):146–51, Nov–Dec 72 **(Ger)**
[Hanging or strangulation?—Sleeping tablet poisoning] Bratzke H. **Beitr Gerichtl Med** 33:320–5, 1975 (Eng. Abstr.) **(Ger)**
[Reconstruction of an unusual suicide by decapitation] Lins G, et al. **Beitr Gerichtl Med** 32:248–53, 1974 (Eng. Abstr.) **(Ger)**
[The value of police research for the proper diagnosis by the forensic physician with an example of an erroneously diagnosed traffic accident] Lutz FU. **Beitr Gerichtl Med** 33:287–90, 1975 (Eng. Abstr.) **(Ger)**
[Accident and suicide from a medical insurance viewpoint] Möllhoff G. **Beitr Gerichtl Med** 33:117–30, 1975 (Eng. Abstr.) **(Ger)**
[Presuicidal syndrome and social structure] pp. 143–9. Ringel E, et al. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**
[Drugs and suicide evaluation] Biener K. **Nervenarzt** 47(6):398–401, Jun 76 **(Ger)**
[Suicide risk-time in the divorced and widowed. An epidemiologic study] Bojanovsky J, et al. **Nervenarzt** 47(5):307–9, May 76 **(Ger)**
[Viewpoints on suicide a socio-psychological pilot study (author's transl)] Wellhöfer PR. **Oeff Gesundheitswes** 37(7):379–91, Jul 75 (Eng. Abstr.) **(Ger)**

[The suicidal milieu – a study of attitudes toward suicide (author's transl)] Wellhöfer PR. **Oeff Gesundheitswes** 38(8):473–82, Aug 76 **(Ger)**

[Suicidal act from the viewpoint of the psychoanalytic theory of narcissism] Henseler H. **Psyche (Stuttg)** 29(3):191–207, Mar 75 (Eng. Abstr.) **(Ger)**

[Fatal arsenic trichloride poisoning (author's transl)] Schneider V, et al. **Z Rechtsmed** 78(1):83–90, 30 Jun 76 (Eng. Abstr.) **(Ger)**

[Unusual cases of adolescent suicide] Imre K. **Morphol Igazsagugyi Orv Sz** 16(3):218–20, Jul 76 (Eng. Abstr.) **(Hun)**

[Misleading self-inflicted gunshot wound] Pál K, et al. **Morphol Igazsagugyi Orv Sz** 16(3):198–200, Jul 76 (Eng. Abstr.) **(Hun)**

[Mortality and suicide among young hospitalized drug addicts] Retterstol N. **Tidsskr Nor Laegeforen** 96(3):186, 30 Jan 76 **(Nor)**

[Pre-suicidal syndrome] Jucha Z. **Psychiatr Pol** 9(5):555–61, Sep-Oct 75 **(Pol)**

[Potassium and sodium electrolyte ratio in the myocardium following death by hanging and electric current] Maárová E. **Soud Lek** 21(1):1–6, Feb 76 (Eng. Abstr.) **(Slo)**

[Mortality due to suicide in Chile (1930–1971) (author's transl)] Trucco M. **Rev Med Chil** 103(9):634–8, Sep 75 **(Spa)**

[Editorial: Suicidal behavior] Beskow J. **Lakartidningen** 72(50):4976–7, 10 Dec 75 (3 ref.) **(Swe)**

[Children are lured into suicide] Otto U. **Lakartidningen** 72(38):3522, 17 Sep 75 **(Swe)**

ETIOLOGY

Suicide, diagnosis and age. Eastwood MR, et al. **Can Psychiatr Assoc J** 20(6):447–9, Oct 75

[Injury and suicide] Funk F. **Beitr Gerichtl Med** 33:131–3, 1975 (Eng. Abstr.) **(Ger)**

HISTORY

The theme of suicide in the works of Flavius Josephus. Hankoff LD. **Clio Med** 11(1):15–24, Apr 76

Prognosticks of melancholy. Robert Burton. **Suicide** 5(1):47–55, Spring 75

Some aspects of suicide. Gregory Zilboorg, M.D. **Suicide** 5(3):131–9, Fall 75

OCCURRENCE

Suicide in Fiji: a two-year survey. Price J, et al. **Acta Psychiatr Scand** 52(3):153–9, Sep 75

Suicide, medicine and psychoanalysis. Osmond H. **Ala J Med Sci** 12(4):394–5, Oct 75

Suicide rate of callers to a poison information service. Sudak HS, et al. **Am J Psychiatry** 132(11):1212–4, Nov 75

Growing up dead: student suicide. Hendin H. **Am J Psychother** 29(3):327–38, Jul 75

Suicide in children and adolescents. Toolan JM. **Am J Psychother** 29(3):339–44, Jul 75

Suicide by persons with and without psychiatric contacts. Kraft DP, et al. **Arch Gen Psychiatry** 33(2):209–15, Feb 76

Wrist cutting. Relationship between clinical observations and epidemiological findings. Weissman MM. **Arch Gen Psychiatry** 32(9):1166–71, Sep 75

The coal gas story. United Kingdom suicide rates, 1960–71. Kreitman N. **Br J Prev Soc Med** 30(2):86–93, Jun 76

The comparability of suicide rates. Atkinson MW, et al. **Br J Psychiatry** 127:247–56, Sep 75

Influence of coroners' officers and pathologists on suicide verdicts. Barraclough B, et al. **Br J Psychiatry** 128:471–4, May 76

Suicide in dublin: I. The under-reporting of suicide and the consequences for national statistics. McCarthy PD, et al. **Br J Psychiatry** 126:301–8, Apr 75

A further investigation of differences in the suicide rates of England and Wales and of Scotland. Ross O, et al. **Br J Psychiatry** 127:575–82, Dec 75

Letter: Suicide with tricyclic antidepressants. Brewer C. **Br Med J** 2(6027):110, 10 Jul 76

Letter: Excessive use of psychiatric services by suicidal patients. Hawton K. **Br Med J** 3(5983):595–6, 6 Sep 75

Suicide among males in prison—why not? Payson HE. **Bull Am Acad Psychiatry Law** 3(3):152–61, 1975

Self-injury in London, Canada: a prospective study. Johnson FG, et al. **Can J Public Health** 66(4):307–16, Jul-Aug 75

Aspects of the epidemiology of suicide in England and Wales. Ashford JR, et al. **Int J Epidemiol** 5(2):133–44, Jun 76

Suicide and self-poisoning in Great Britain and Ireland. Dean G, et al. **Int J Epidemiol** 5(2):145–51, Jun 76

Suicide following psychiatric hospitalization. Pokorny AD, et al. **J Nerv Ment Dis** 162(2):119–25, Feb 76

The physician's suicide revisited. von Brauchitsch H. **J Nerv Ment Dis** 162(1):40–5, Jan 76

Prediction of suicide: a replication study. Farberow NL, et al. **J Pers Assess** 39(5):497–501, Oct 75

A survey of suicidal behaviour in the Mid-Essex area in 1972. Collier J, et al. **J R Coll Physicians Lond** 10(4):381–92, Jul 76

Relition and suicidal behavior. Beit-Hallahmi B. **Psychol Rep** 37(3 PT 2):1303–6, Dec 75

The Scandinavian suicide phenomenon: fact or artifact? Another look. Coombs D, et al. **Psychol Rep** 37(3 PT 2):1076–8, Dec 75

Social areas and Durkheims's theory of suicide. Wenz FV. **Psychol Rep** 38(3 Pt 2):1313–4, Jun 76

Recent trends in suicide. **Stat Bull Metropol Life Ins Co** 57:5–7, May 76

Reporting of suicide: Canadian statistics. Brown JH. **Suicide** 5(1):21–8, Spring 75

Police suicides revisted. Heiman MF. **Suicide** 5(1):5–20, Spring 75

The vulnerability of young Japanese women and suicide. Iga M, et al. **Suicide** 5(4):207–22, Winter 75

Suicide among attempted suicides: a 10-year follow-up. Paerregaard G. **Suicide** 5(3):140–4, Fall 75

Epidemiologic observations on suicides in Virginia. Moore G, et al. **Va Med Mon** 103(5):371–4, 377, May 76

Epidemiologic observations of Virginia suicides, part II. Moore G, et al. **Va Med Mon** 103(6):441–5, Jun 76

Suicide statistics: the problem of comparability. **WHO Chron** 29(5):188–93, May 75

[Development of the suicide rate in people above 65 years in Czechoslovakia in 1919–1971 (author's transl)] Drdková S, et al. **Sb Lek** 78(2):45–52, Feb 76 **(Cze)**

[Statistics on suicides and attempted suicides in the department of Sarthe between January 1, 1964 and December 31, 1971] pp. 9–24. Baguenier-Desormeaux L.

In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. **(Fre)**

[Statistics on suicides seen at the hospital of Mans in 1972] pp. 25–33. Lemanissier AF, et al.

In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. **(Fre)**

[Survey of suicidal behavior in a population of hospitalized mental patients] pp. 79–85. Menahem R, et al.

In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. **(Fre)**

[Seasonal differences in the frequency of suicise in youth and old age (author's transl)] Danneel R. **Arch Psychiatr Nervenkr** 221(1):11–3, 23 Dec 75 (Eng. Abstr.) **(Ger)**

[Suicidal trends in urban and rural districts of Brandenburg] Otto KR, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(4):239–46, Apr 75 (Eng. Abstr.) **(Ger)**

[Suicide in children and adolescents] Müller H. **Ther Ggw** 114(7):1055–6, 1058–60 1062–4 passim, Jul 75 **(Ger)**

[Meteorotropic activity of the weather conditions and their role in suicide epidemiology. I. Communication (author's transl)] Gostyński M, et al. **Zentralbl Bakteriol [Orig B]** 161(2):158–64, Oct 75 (Eng. Abstr.) **(Ger)**

[Suicide in psychiatric hospitals in Norway] Hesso R, et al. **Tidsskr Nor Laegeforen** 95(28):1571–4, 1602, 10 Oct 75 (Eng. Abstr.) **(Nor)**

[Weather stress in the epidemiology of selected biological phenomena] Gostyński M, et al. **Pol Tyg Lek** 30(45):1869–71, 10 Nov 75 (Eng. Abstr.) **(Pol)**

[Suicides in Nazi concentration camps] Ryn Z, et al. **Przegl Lek** 33(1):25–46, 1976 **(Pol)**

[Letter: Suicide frequency in Scandinavian countries] Hjortsjö T. **Ugeskr Laeger** 137(40):2319–21, 29 Sep 75 **(Swe)**

PREVENTION & CONTROL

Psychotherapeutic strategies in the management of depressed and suicidal patients. Kiev A. **Am J Psychother** 29(3):345–54, Jul 75

Fifteenth Emil A. Gutheil Memorial Conference. The range of therapies in the treatment of severely depressed suicidal patients. Lesse S. **Am J Psychother** 29(3):308–26, Jul 75

Suicide and 'The Befrienders'. Holding TA. **Br Med J** 3(5986):751–2, 27 Sep 75

Alberta task force on suicide problem finds present attitudes inadequate. Imlach A. **Can Med Assoc J** 115(6):580–2, 18 Sep 76

If only the tale had been tattled.... Besel L. **Can Nurse** 71(10):17, Oct 75

Chronically and acutely suicidal persons one month after contact with a crisis intervention centre. McKenna J, et al. **Can Psychiatr Assoc J** 20(6):451–4, Oct 75

The role of anonymity in suicidal contacts with a crisis intervention centre. Nelson G, et al. **Can Psychiatr Assoc J** 20(6):455–9, Oct 75

Further examination of a biochemical test for suicide potential. Fink EB, et al. **Dis Nerv Syst** 37(6):341–3, Jun 76

The management and mismanagement of a suicidal patient. Krieger G. **Hosp Community Psychiatry** 27(6):411–3, Jun 76

Evaluation of suicide risk in adolescents. McIntire MS, et al. **J Fam Pract** 2(5):339–41, Oct 75

Hopelessness and suicidal behavior. An overview. Beck AT, et al. **JAMA** 234(11):1146–9, 15 Dec 75

Evaluating suicidal risk. Lessey RA, et al. **Primary Care** 2(1):57–63, Mar 75

To be, or not to be—certified. McGee RK. **Suicide** 5(4):194–206, Winter 75

A survey of hospital services for suicidal persons. Monto A, et al. **Suicide** 5(3):169–76, Fall 75

An assessment of the utility of suicide prediction. MacKinnon DR, et al. **Suicide Life Threat Behav** 6(2):86–91, Summer 76

[Hot line in the urban population, its relation to psychiatric first aid and its importance in the prevention of suicides. II. Statistico-epidemiological study – descriptive part] Drdková S, et al. **Cesk Psychiatr** 71(2–3):165–72, Jun 75 **(Cze)**

[Some possibilities of prevention in elderly people suicide with regard to aid by telephone (author's transl)] Zemek P, et al. **Sb Lek** 77(10):308–12, Oct 75 (Eng. Abstr.) **(Cze)**

[Contribution to the study of suicide prevention. Study of a group of 372 subjects from 28 to 35 years after attempted suicide] Schneider PB, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 118(2):307–55, 1976 (Eng. Abstr.) **(Fre)**

SUICIDE, ATTEMPTED

Attempted suicide with 5.1 g of propranolol. A case report. Lagerfelt J, et al. **Acta Med Scand** 199(6):517–8, 1976

Proceedings: Suicide in adolescence. Daniel WA Jr. **Acta Paediatr Scand [Suppl]** (256):37, 1975

A study of attempted suicides in urban versus rural areas, with a follow-up. Niskanen P, et al. **Acta Psychiatr Scand** 52(4):283–91, Oct 75

Cluster analysis profiles of suicide attempters. Kiev A. **Am J Psychiatry** 133(2):150–3, Feb 76

The use of suicidal motives in the psychotherapy of attempted suicides. Kovacs M, et al. **Am J Psychother** 29(3):363–8, Jul 75

Categories of attempted suicide: a longitudinal study. Hankoff LD. **Am J Public Health** 66(6):558–63, Jun 76

Letter: Attempted suicide. Bostock T, et al. **Aust NZ J Psychiatry** 10(1):65, Mar 76

Letter: Attempted suicide. Kessell A. **Aust NZ J Psychiatry** 9(3):201, Sep 75

The reasons people give for taking overdoses. Bancroft JH, et al. **Br J Psychiatry** 128:538–48, Jun 76

The spouses of attempted suicides: a personality study. Bhagat M. **Br J Psychiatry** 128:44–6, Jan 76

Deliberate self-harm: clinical and socio-economic characteristics of 368 patients. Morgan HG, et al. **Br J Psychiatry** 127:564–74, Dec 75

Deliberate self-harm: a follow-up study of 279 patients. Morgan HG, et al. **Br J Psychiatry** 128:361–8, Apr 76

Attempted suicide in labour. Neale R. **Br Med J** 1(6005):321–2, 7 Feb 76

Suicidal preoccupation and psychoanalytic technique. Novak WJ. **Compr Psychiatry** 17(1):81–97, Jan-Feb 76

Transparency and the suicide potential: a reply to the discussion by Olivier Flournoy. Roth D. **Int J Psychoanal** 56(2):255–7, 1975

Personality characteristics found among youthful female suicide attempters. Cantor PC. **J Abnorm Psychol** 85(3):324–9, Jun 76

Extrapolation from attempted suicides to completed suicides. Lester D, et al. **J Abnorm Psychol** 84(5):563–6, Oct 75

The menstrual cycle and suicidal intent. Pallis DJ, et al. **J Biosoc Sci** 8(1):27–33, Jan 76

Suicidal behavior and childhood onychophagia in hospitalized psychiatric veterans. Lee SH, et al. **J Clin Psychol** 32(2):228–30, Apr 76

Completed suicides and their previous attempts. Lester D, et al. **J Clin Psychol** 32(3):553–5, Jul 76

Personality and suicidal history in psychiatric patients. Pallis DJ, et al. **J Clin Psychol** 32(2):246–53, Apr 76

Semantic differential ratings of concepts and suicide intent. Wetzel RD. **J Clin Psychol** 32(1):4–13, Jan 76

Utilization review, attempted suicide, and involuntary hospitalization. Kirstein L, et al. **J Nerv Ment Dis** 163(2):102–7, Aug 76

Depression and self-destructive behavior. Stafford L. **J Psychiatr Nurs** 14(8):37–40, Aug 76

Components of suicidal intent in completed and attempted suicides. Beck AT, et al. **J Psychol** 92(first half):35–8, Jan 76

Alcoholism, hopelessness and suicidal behavior. Beck AT, et al. **J Stud Alcohol** 37(1):66–77, Jan 76

Hopelessness and suicidal behavior. An overview. Beck AT, et al. **JAMA** 234(11):1146–9, 15 Dec 75

Letter: Attempted suicide by black widow spider bite. Fisher DP. **JAMA** 235(25):2718–9, 21 Jun 76

The serious suicide attempt. Five-year follow-up study of 886 patients. Rosen DH. **JAMA** 235(19):2105–9, 10 May 76

Management of patients who overdose. Moore C. **Med J Aust** 2(23):870–1, 6 Dec 75

The revolving door. Knauth P. **MH** 59(4):13–6, Fall-Winter 75

Suicide attempts by hospitalized medical and surgical patients. Reich P, et al. **N Engl J Med** 294(6):298–301, 5 Feb 76

Suicidal behaviour. An attempt to modify the environment. Part IV. Lukianowicz N. **Psychiatr Clin (Basel)** 8(3):140–54, 1975

Factors associated with attempted suicide among hospitalized depressed patients. Crook T, et al. **Psychol Med** 5(4):381–8, Nov 75

Attempted suicide: correlates of increasing medical lethality. Lester D, et al. **Psychol Rep** 37(3 PT 2):1236–8, Dec 75

Early loss as a possible 'sensitizer' to later loss in attempted suicides. Lester D, et al. **Psychol Rep** 39(1):121–2, Aug 76

Ratings of life and death and suicide intent. Wetzel RD. **Psychol Rep** 37(3 Pt 1):879–85, Dec 75

Suicidal ingestion of isoniazid: an uncommon cause of metabolic acidosis and seizures. Bear ES, et al. **South Med J** 69(1):31–2, Jan 76

Some aspects of suicide. Gregory Zilboorg, M.D. **Suicide** 5(3):131–9, Fall 75

The epidemiology of life-threatening events. Berman AL.

Suicide 5(2):67–77, Summer 75
Family dynamics, childhood depression, and attempted suicide in a 7-year-old boy: a case study. French AP, et al. **Suicide** 5(1):29–37, Spring 75
Self-attitudes and suicidal behavior. Kaplan HB, et al. **Suicide** 6(1):23–35, Spring 76
Hopelessness: an indicator of suicidal risk. Kovacs M, et al. **Suicide** 5(2):98–103, Summer 75
Self-poisoning with follow-up considerations. Lönnqvist J, et al. **Suicide** 5(1):39–46, Spring 75
Suicide among attempted suicides: a 10-year follow-up. Paerregaard G. **Suicide** 5(3):140–4, Fall 75
Suicide behavior: community attitudes and beliefs. Sale I, et al. **Suicide** 5(3):158–68, Fall 75
Frequency of suicidal thought and self-destructive behavior among females. Cantor P. **Suicide Life Threat Behav** 6(2):92–100, Summer 76
[Poisoning by potassium cyanide] Majdevac M, et al. **Arh Hig Rada Toksikol** 26(2):151–5, 1975 (Eng. Abstr.) **(Cro)**
[Problems of suicide and attempted suicide in children] Lukeš J, et al. **Cesk Pediatr** 30(5):232–4, May 75 (Eng. Abstr.) **(Cze)**
[Mortality and attempted suicide among young hospitalized addicts] Groth A. **Ugeskr Laeger** 137(39):2295–300, 22 Sept 75 (Eng. Abstr.) **(Dan)**
[A 5 year follow-up study of 237 cases of attempted suicide] van Tol D. **Ned Tijdschr Geneeskd** 120(19):931–6, May 76 (Eng. Abstr.) **(Dut)**
[Severe disfiguration in suicide by fire arms (preliminary note apropos of 13 cases)] Bourgeois M, et al. **Ann Med Psychol (Paris)** 2(2):323–32, Jul 74 (Eng. Abstr.) **(Fre)**
[Family situation of suicidal adolescents and young adults in the region of Rheims] pp. 135–9. Chauvot B, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Epidemiology of suicide: practical realization, preventive measures. Conclusions] pp. 153–4. Colin M.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[First results of administering psychotherapeutic help in cases of attempted suicide in the Admissions and Emergencies service of the University Hospital Center, Rennes] pp. 123–33. Michaux P, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Data on the outcome of a group of suicidal adolescents] pp. 131–3. Rivaille C.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Gastric lesions caused by potassium permanganate tablets. Measures to be taken after ingestion] Célerier M, et al. **J Chir (Paris)** 109(3):307–14, Mar 75 (Eng. Abstr.) **(Fre)**
[Attempted suicide in current drug addicts] Braconnier A, et al. **Rev Neuropsychiatr Infant** 22(10–11):677–93, Oct–Nov 74 (Eng. Abstr.) **(Fre)**
[Suicide: the unsuccessful suicide and his physician] Haddad N, et al. **Tunis Med** 53(2):155–8, Mar–Apr 75 **(Fre)**
[Embolism following the parenteral application of metallic mercury] Lagemann K. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):490–1, Nov 75 **(Ger)**
[Tissue excision at the injection site as a possible emergency therapy in suicide using depot-insulin] Guderjahn R. **Med Welt** 27(11):538–9, 12 Mar 76 **(Ger)**
[Means and methods in attempted suicide] Böhme K, et al. **Nervenarzt** 47(3):201–8, Mar 76 **(Ger)**
[Dispensary care of suicidal cases in later life] Decke D. **Psychiatr Neurol Med Psychol (Leipz)** 27(9):534–41, Sep 75 (Eng. Abstr.) **(Ger)**
[Acute poisoning with L-triiodothyroinine, L-thyroxine and phendimetrazine bitartrate with suicidal intention] Hempel RD, et al. **Z Gesamte Inn Med** 31(9):296–9, 1 May 76 (Eng. Abstr.) **(Ger)**
[Psychotherapeutic methods for the management of persons after attempted suicide] Tass G, et al. **Orv Hetil** 117(11):659–60, 14 Mar 76 **(Hun)**
[Analogies and contrasts of familial enviornment in juveniles attempting suicide and in toxicomania] Invernizzi G, et al. **Minerva Med** 67(6):396–405, Feb 76 (Eng. Abstr.) **(Ita)**
[A French study of morbidity and mortality in suicidal attempts] Retterstol N. **Tidsskr Nor Laegeforen** 95(25):1430, 10 Sep 75 **(Nor)**
[Mental disorder in strangulation asphyxia] Fedotov DD, et al. **Zh Nevropatol Psikhiatr** 76(2):249–52, 1976 (Eng. Abstr.) **(Rus)**
[Suicide attempts in the involutional and aged periods] Fedotov DD, et al. **Zh Nevropatol Psikhiatr** 76(3):406–9, 1976 (Eng. Abstr.) **(Rus)**
[Analysis of motivation in attempted suicides of sniffing addicts] Lacho L, et al. **Cesk Patol** 11(4):49–55, Nov 75 (Eng. Abstr.) **(Slo)**
[Attempted suicide with practolol] Verdera Cosmelli JT, et al. **Rev Esp Cardiol** 29(2):195–7, Mar–Apr 76 (Eng. Abstr.) **(Spa)**
[Acute thalium poisoning (author's transl)] Ossa P, et al. **Rev Med Chil** 103(4):256–9, Apr 75 (Eng. Abstr.) **(Spa)**
[Editorial: Suicidal behavior] Beskow J. **Lakartidningen** 72(50):4976–7, 10 Dec 75 (3 ref.) **(Swe)**
[Acute poisoning with antimalarials] Ström M, et al. **Lakartidningen** 73(26–27):2429–30, 23 Jun 76 **(Swe)**

OCCURRENCE

A study of attempted suicides in urban versus rural areas, with a follow-up. Niskanen P, et al. **Acta Psychiatr Scand** 52(4):283–91, Oct 75
The frequency of suicide attempts: a retrospective approach applied to college students. Mishara BL, et al. **Am J Psychiatry** 133(7):841–4, Jul 76
Attempted suicide in the Perth Statistical Division 1971–1972. Burvill PW. **Aust NZ J Psychiatry** 9(4):273–9, Dec 75
Suicidal attempts in an outer region of metropolitan Melbourne and in a provincial region of Victoria. Kessell A, et al. **Aust NZ J Psychiatry** 9(4):255–61, Dec 75
Attempted suicide among the Irish-born population in birmingham. Burke AW. **Br J Psychiatry** 128:534–7, Jun 76
Attempted suicide among Asian immigrants in Birmingham. Burke AW. **Br J Psychiatry** 128:528–33, Jun 76
Letter: Effect of junior doctors' action on self-poisoning. Crockett GS. **Br Med J** 1(6001):92, 10 Jan 76
Effect of junior doctors' action on self-poisoning. Pallis DJ, et al. **Br Med J** 1(6005):342, 7 Feb 76
A small area analysis of self-poisoning and self-injury in the region of Oxford. Skrimshire AM. **J Biosoc Sci** 8(2):85–112, Apr 76
Sex and age patterns in self-injury. Jarvis GK, et al. **J Health Soc Behav** 17(2):145–54, Jun 76
Suicide attempts in Thessaloniki area. Clinical and psychopathological findings of the first year of research. Ierodiakonou CS, et al. **Ment Health Soc** 1(3–4):246–50, 1974
Self poisoning in Auckland. Werry JS, et al. **NZ Med J** 83(560):183–7, 24 Mar 76
Age and parasuicide ('attempted suicide'). Kreitman N. **Psychol Med** 6(1):113–21, Feb 76
[Statistics on suicides and attempted suicides in the department of Sarthe between January 1, 1964 and December 31, 1971] pp. 9–24. Baguenier-Desormeaux L.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Epidemiological study of attempted suicides hospitalized in 1971 in the Admissions-Emergencies department of the University Hospital Center Hotel-Dieu, Rennes] pp. 99–123. Curtes JP, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[1,177 attempted suicides] PP. 35–47. Davidson F, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Epidemiological note on a question: What can be said or done about repeaters?] pp. 147–51. Dussaucy E, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Statistics on suicides seen at the hospital of Mans in 1972] pp. 25–33. Lemanissier AF, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Attempted suicide among women employed in the clothing workshops in Toulouse] pp. 141–6. Moron P, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Socioepidemiological data on suicidal behavior cases hospitalized at Henri Mondor Center, Creteil, in 1972] pp. 87–98. Pasquier-Mougin M.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Distribution of attempted suicides in the department of Bas-Rhin] pp. 49–57. Singer L, et al.
In: Soubrier JP, Vedrinne J, ed. Epidémiologie du suicide. Paris, Masson, 1974. W3 RE518 1973e. (Fre)
[Attemted suicide in adolescents] Bron B. **Fortschr Neurol Psychiatr** 44(8):435–46, Aug 76 (Eng. Abstr.) **(Ger)**
[Suicidal attempts and good-bye letters of adolescents] Biener K, et al. **Nervenarzt** 47(3):179–85, Mar 76 **(Ger)**
[Suicidal trends in urban and rural districts of Brandenburg] Otto KR, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(4):239–46, Apr 75 (Eng. Abstr.) **(Ger)**
[Suicide attempts and farewell letters of adolescents] Biener K, et al. **Soz Praeventivmed** 20(5):229, Sep–Oct 75 (Eng. Abstr.) **(Ger)**
[Statistical study on the ages of 3,552 attempted suicides treated at the Policlinico Universitario of Milan during the 5-year-period of 1967–1971] Ravagnan R, et al. **Atti Accad Med Lomb** 27(1–4):42–8, 1972 (Eng. Abstr.) **(Ita)**
[Attempted suicide in the region of Gerona] Renduelles Olmedo G, et al. **Actas Luso Esp Neurol Psiquiatr** 3(4):237–46, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Evaluating suicidal risk. Lessey RA, et al. **Primary Care** 2(1):57–63, Mar 75
[Therapy of suicide patients against the will of relatives] Hollmann A. **Dtsch Med Wochenschr** 100(36):1812, 5 Sep 75 **(Ger)**

SULBENICILLIN see under **PENICILLIN G**

SULFACETAMIDE

[Photochemistry of photodynamic compounds. VI. Photolysis of sulfacetamide and its sodium salt in aqueous solutions] Pawlaczyk J, et al. **Acta Pol Pharm** 33(1):87–91, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Dynamic permeation. Note II – Evaluation of the interaction of pectin with some pharmaceuticals. Bottari F, et al. **Boll Chim Farm** 115(2):113–22, Feb 76
The distribution and kinetics of sulphacetamide in leukaemic mice. Marchand C, et al. **Br J Pharmacol** 56(4):423–9, Apr 76
Change in the kinetics of sulphacetamide tissue distribution in Walker tumor-bearing rats. Nadeau D, et al. **Drug Metab Dispos** 3(6):565–76, Nov–Dec 75

PHARMACODYNAMICS

[Comparative studies on the effectiveness of water-paraffin suspensions of albucid with prednisolone and of albucid and prednisone drops in children following eye surgery] Niebrój TK, et al. **Klin Oczna** 46(3):301–3, Mar 76 (Eng. Abstr.) **(Pol)**
[Effect of tranquilizers and analgesics on the permeability of the histohematic barriers for sulfacyl in inflammation] Ladinskaia MIu, et al. **Farmakol Toksikol** 38(5):551–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Foreign bodies in the eyes. Adam P, et al. **Nurs Times** 71(37):1444–6, 11 Sep 75

SULFACHLORPYRIDAZINE see under **SULFANILAMIDES**

SULFACYTINE see under **SULFANILAMIDES**

SULFADIAZINE

ADMINISTRATION & DOSAGE

[A new low-dosage trimethoprim-sulfonamide for long term treatment of chronic urinary tract infections] Elsborg L, et al. **Ugeskr Laeger** 138(12):735–7, 15 Mar 76 (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Letter: Silver sulfadiazine adverse effects. Henderson RN. **Am J Hosp Pharm** 32(11):1103, Nov 75
Acute leukopenia as an allergic reaction to silver sulfadiazine in burn patients. Chan CK, et al. **J Trauma** 16(5):395–6, May 76

ANALOGS & DERIVATIVES

[Local and metastatic growth of Lewis lung carcinoma as a function of its transplantation site. Application to the study of the pharmacology of sulphadiazine triazene] Carpentier Y. **C R Soc Biol (Paris)** 169(4):1021–8, 1975 (Eng. Abstr.) **(Fre)**

ANALYSIS

Effect of adrenaline and alcohol on sulphadiazine levels in rat brain. Raina N, et al. **Indian J Physiol Pharmacol** 18(4):358–60, Oct–Dec 74

METABOLISM

Effect of dioctyl sodium sulfosuccinate and poloxamer 188 on dissolution and intestinal absorption of sulfadiazine and sulfisoxazole in rats. Reddy RK, et al. **J Pharm Sci** 65(1):115–8, Jan 76
Elimination kinetics of sulfadiazine in patients with normal and impaired renal function. Ohnhaus EE, et al. **J Pharmacokinet Biopharm** 3(3):171–9, Jun 75
Metabolism of sulphadiazine in goats. Atef M, et al. **Xenobiotica** 5(3):167–72, Mar 75
Mammary and renal excretion of sulphadiazine in goats. Atef M, et al. **Zentralbl Veterinaermed [A]** 22(6):501–9, Aug 75

PHARMACODYNAMICS

Electron microscopic appearance of silver sulfadiazine-treated Enterobacter cloacae. Coward JE, et al. **Chemotherapy** 21(3–4):231–5, 1975
In vitro study on the effects of silver sulfadiazine on bilirubin binding. Speck WT, et al. **Chemotherapy** 21(2):61–6, 1975
Cellular elongation under the influence of antibacterial agents: way to differentiate coccobacilli from cocci. Catlin BW. **J Clin Microbiol** 1(1):102–5, Jan 75
Antiherpesviral activity of silver sulfadiazine. Chang TW. **J Cutan Pathol** 2(6):320–1, 1975
Effect of pyrimethamine and sulfadiazine on the fine structure and multiplication of Toxoplasma gondii in cell cultures. Sheffield HG, et al. **J Parasitol** 61(4):704–12, Aug 75
[Antimicrobial activity of sulfadiazine-silver] Orpianesi C. **Nuovi Ann Ig Microbiol** 26(1):64–8, Jan–Feb 75 (Eng. Abstr.) **(Ita)**
['In vitro' drug resistance of Salmonella isolated from animals (author's transl)] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(1):39–43, Jan–Mar 73 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Effects of pyrimethamine and sulfadiazine on the intestinal

development of Toxoplasma gondii in cats. Sheffield HG, et al. **Am J Trop Med Hyg** 25(3):379–83, May 76

Prevention of herpes keratoconjunctivitis in rabbits by silver sulfadiazine. Chang TW, et al.
Antimicrob Agents Chemother 8(6):677–8, Dec 75

Topical chemoprophylaxis with silver sulphadiazine and silver nitrate chlorhexidine creams: emergence of sulphonamide-resistant Gram-negative bacilli. Lowbury EJ, et al. **Br Med J** 1(6008):493–6, 28 Feb 76

Antimalarials: screening of (orally administered) silver solfonamides against Plasmodium berghei. Wysor MS.
Chemotherapy 21(5):284–8, 1975

Silver sulfadiazine in the treatment of burns. Charoonsmith T, et al. **J Med Assoc Thai** 59(7):301–4, Jul 76

Chemotherapy in experimental toxoplasmosis: comparison of the efficacy of trimethoprim-sulfur and pyrimethamine-sulfur combinations. Seah SK.
J Trop Med Hyg 78(7):150–3, Jul 75

Zinc sulfadiazine for topical therapy of pseudomonas infection in burns. Fox CL Jr, et al.
Surg Gynecol Obstet 142(4):553–9, Apr 76

Clinical evaluation of Tribrissen. New antibacterial agent for dogs and cats. Cannon RW. **Vet Med Small Anim Clin** 71(8):1090–1, Aug 76

[Nitrofurantoin–sulfadiazine in the therapeutic cycle of urinary tract infection in childhood] Rieder RT. **ZFA** 52(16):867–8, 10 Jun 76 **(Ger)**

TOXICITY

Studies in dogs and cats dosed with trimethoprim and sulphadiazine. Craig GR, et al. **Vet Rec** 98(5):82–6, 31 Jan 76

SULFADIMETHOXINE

ADVERSE EFFECTS

[A case of chronic intrahepatic cholestasis with hypogammaglobulinemia induced by sulfa drugs (author's transl)] Sato E, et al. **Jpn J Gastroenterol** 72(12):1549–55, Dec 75 **(Jpn)**

[Effect of sulfapyridazine and sulfadimethoxine dust on the blood of workers] Bobrov VI, et al. **Gig Tr Prof Zabol** (6):44–5, Jun 76 **(Rus)**

ANALOGS & DERIVATIVES

[New preparations: salasodimethoxine, an agent for the treatment of nonspecific ulcerative colitis] **Farmatsiia** 24(5):91–2, Sep–Oct 75 **(Rus)**

ANALYSIS

[Determination of sulfadimethoxine and the semiproducts from its manufacture in air] Dozorova II, et al.
Gig Sanit (7):79–81, Jul 75 **(Rus)**

[Quantitative spectrophotometric determination of sulfadimethoxine] Shumeiko VA, et al. **Farm Zh** 31(3):75–6, May–Jun 76 **(Ukr)**

BLOOD

Effects of simultaneous administration of drugs on absorption and excretion. IV. Effect of salicylic acid on antibacterial activity and distribution of sulfadimethoxine in rabbits. Imamura Y, et al. **Chem Pharm Bull (Tokyo)** 22(10):2324–8, Oct 74

Effects of simultaneous administration of drugs on absorption and excretion. V. Effect of phenylbutazone on antibacterial activity and distribution of sulfadimethoxine in rabbits. Imamura Y, et al. **Chem Pharm Bull (Tokyo)** 23(6):1377–80, Jun 75

CHEMICAL SYNTHESIS

[Production and study of sulfadimethoxine suspensions with various stabilizers] Kuprina NA, et al. **Farmatsiia** 24(2):27–30, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of sulfadimethoxine on tissue distribution of (14C)bilirubin in the newborn and adult hyperbilirubinemic Gunn rate. Davis DR, et al. **Pediatr Res** 9(11):846–50, Nov 75

TOXICITY

[Study of the allergic properties of medicinal preparations in experiments] Shashkina LF, et al. **Farmakol Toksikol** 39(1):78–81, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

SULFADOXINE see under **SULFANILAMIDES**

SULFAETHIDOLE see under **SULFATHIAZOLES**

SULFAFURAZOLE see **SULFISOXAZOLE**

SULFAGUANIDINE see under **GUANIDINES**

SULFALENE see under **SULFANILAMIDES**

SULFAMERAZINE

ADVERSE EFFECTS

[Influence of bitifen on milk quality and meat freshness] Mereminskiĭ AI, et al. **Veterinariia** (8):99–101, Aug 75 **(Rus)**

ANALYSIS

Electrode sensitive to sulfa drugs. Hazemoto N, et al.
J Pharm Sci 65(3):435–6, Mar 76

THERAPEUTIC USE

[Test of sulfene and KP-5 in ruminant fascioliasis] Mereminskiĭ AI, et al. **Veterinariia** (9):73–5, Sep 75 **(Rus)**

URINE

[Effect of increased diuresis on the renal excretion of sulfamerazine] Bräunlich H. **Acta Biol Med Ger** 34(6):1083–5, 1975 (Eng. Abstr.) **(Ger)**

SULFAMETER see under **SULFANILAMIDES**

SULFAMETHAZINE

ADMINISTRATION & DOSAGE

Evaluation of a new prolonged-release sulfamethazine bolus for use in cattle. Carlson A, et al.
Vet Med Small Anim Clin 71(5):693–7, May 76

ADVERSE EFFECTS

[Case of combined acute methemoglobinemia and agranulocytosis caused by the intake of sulfadimezine] Borodaĭ EM, et al. **Vrach Delo** (1):122–3, Jan 76 **(Rus)**

ANALYSIS

High-pressure liquid chromatographic determination of sulfamethazine residue in bovine tissue. Johnson KL, et al. **J Pharm Sci** 64(10):1657–60, Oct 75

METABOLISM

Proceedings: Acetylation of sulphadimidine and p-aminosalicylic acid in brain tissue of various species. Friebová M, et al. **Act Nerv Super (Praha)** 17(4):263–4, 1975

Pharmacokinetics of hexobarbital, sulphadimidine and chloramphencoliin neonatal and young pigs. Svendsen O. **Acta Vet Scand** 17(1):1–14, 1976

Relationship of sulfamethazine disposition kinetics to acetylator phenotype in man. A preliminary study. Chapron CJ, et al. **J Clin Pharmacol** 16(7):338–44, Jul 76

Alteration of hepatic acetylation in uraemia. Fine A, et al. **Proc Eur Dial Transplant Assoc** 11:433–40, 1975

Determination of the acetylator phenotype in a Northern Nigerian population. Fawcett IW, et al. **Tubercle** 56(3):199–201, Sep 75

[Studies on the absorption of certain slightly water soluble active principles from suspensions and tablets] Kedvessy G, et al. **Pharmazie** 30(7):476–8, Jul 75 **(Ger)**

[Acetylation reaction in mice in the normal state and in tumors] Bulovskaia LN. **Vopr Onkol** 22(2):59–63, 1976 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Problem of reciprocal influence of drugs in animals] Simunek J, et al. **Dtsch Tieraerztl Wochenschr** 83(5):215–8, 5 May 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Treatment of meningococcal meningitis in children in Khartoum. Omer MI, et al. **Indian Pediatr** 12(5):387–91, May 75

Influence of chlortetracycline and chlortetracycline + sulfamethazine supplemented feed on the incidence, persistence and antibacterial susceptibility of salmonella typhimurium in experimentally inoculated calves. Layton HW, et al. **Zentralbl Veterinaermed [B]** 22(6):461–72, Aug 75

[Method of combination treatment of pneumonia with antibiotics and heparin] Skipskiĭ IM. **Ter Arkh** 47(8):102–6, 1975 (Eng. Abstr.) **(Rus)**

SULFAMETHIZOLE see under **SULFATHIAZOLES**

SULFAMETHOXAZOLE

Diffusion of trimethoprim and sulfamethoxazole from susceptibility disks into agar medium. Grace ME, et al.
Antimicrob Agents Chemother 8(1):45–9, Jul 75

Trimethoprim and sulphamethoxazole: determination of bacterial sensitivity and drug concentration in human serum. Dornbusch K. **Scand J Infect Dis [Suppl]** (8):20–8, 1976

Sulphamethoxazole–trimethoprim. II. Bacteriological and laboratory aspects. Summary. Kallings LO.
Scand J Infect Dis [Suppl] (8):39, 1976

ADMINISTRATION & DOSAGE

Treatment of nocardial mycetoma with trimethoprim and sulfamethoxazole. Nitidandhaprabhas P, et al.
Arch Dermatol 111(10):1345–8, Oct 75

Efficacy and toxicity of trimethoprimsulfamethoxazole in typhoid fever. Shah CP, et al. **J Assoc Physicians India** 23(5):317–20, May 75

Effect of long-term co-trimoxazole therapy on renal function. Rosenfeld JB, et al. **Med J Aust** 2(14):546–8, 4 Oct 75

Editorial: Treatment of Pneumocystis carinii pneumonitis. Hughes WT. **N Engl J Med** 295(13):726–7, 23 Sep 76

Trimethoprim–sulfamethoxazole treatment of Pneumocystis carinii pneumonia in adults. Lau WK, et al.
N Engl J Med 295(13):716–8, 23 Sep 76

The intravenous infusion of co-trimoxazole in cases of septicaemia: tolerance and results of treatment. Olcén P, et al. **Scand J Infect Dis [Suppl]** (8):91–5, 1976

Twenty-eight-day courses of antibiotics for urinary tract infection. Cosgrove MD, et al. **Urology** 7(2):156–9, Feb 76

[Administration of trimethoprim–sulfamethoxazole in continuous perfusion in cases of severe urinary tract infections. Apropos of 46 cases] Dimopoulos C, et al.
Acta Urol Belg 42(4):492–6, Oct 74 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic consequences of the mode of administration of cotrimoxazole in humans] Kremers P, et al. **Rev Med Liege** 30(4):103–9, 15 Feb 75 **(Fre)**

[Preliminary results of the use of the sulfamethoxazole–trimethoprim combination by intraspinal administration in neurosurgical patients] Cerillo A, et al. **Acta Neurol (Napoli)** 30(3):286–91, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Parenteral (intravenous and intramuscular) administration of trimethoprim–sulfamethoxazole] Bertaggia A. **Clin Ter** 75(6):611–33, 31 Dec 75 **(Ita)**

[Intensive treatment of gonorrhea with biseptol] Lesiński J, et al. **Przegl Dermatol** 63(3):313–8, May–Jun 76 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Letter: Long-term co-trimoxazole and folate depletion. Herxheimer A. **J Antimicrob Chemother** 1(3):346, Sep 75

Pancytopenia in an infant associated with sulfamethoxazole–trimethoprim therapy. Tulloch AL.
J Pediatr 88(3):499–500, Mar 76

Thymine-requiring bacteria associated with co-trimoxazole therapy. Maskell R, et al. **Lancet** 1(7964):834–5, 17 Apr 76

Letter: Reaction to trimoxazole. Lynn KL, et al.
NZ Med J 83(564):377–8, 26 May 76

The nature of possible adverse reactions to co-trimoxazole. Girdwood RH. **Scand J Infect Dis [Suppl]** (8):10–7, 1976

[Liver changes after sulfamethoxazole–trimethoprim (Bactrim, Trisural)] Hermansen K, et al. **Ugeskr Laeger** 138(7):422–4, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Transitory agranulocytosis of toxic origin in a child (during treatment with oxyphenylbutazone and sulfamethoxazole–trimethoprim)] Lagarde B, et al.
Bull Soc Med Afr Noire Lang Fr 19(2):188–91, 1974 (Eng. Abstr.) **(Fre)**

[Immuno-allergic complications of the sulfamethoxazole–trimethoprim combination: thrombopenia, acute interstitial kidney disease, and electrophoretic abnormality] Dry J, et al. **Therapie** 30(5):705–12, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[2 cases of fatal iatrogenic agranulocytosis most likely caused by a sulfamethoxazole/trimethoprim combination] Ceri J, et al. **Med Pregl** 29(1–2):43–7, 1976 (Eng. Abstr.) **(Ser)**

ANALOGS & DERIVATIVES

The antibacterial efficacy of two trimethoprim–sulphonamide combinations. Knothe H. **Chemotherapy** 22(1):62–9, 1976

ANALYSIS

A study of concentrations of trimethoprim–sulphamethoxazole in the human prostate gland. Dabhoiwala NF, et al. **Br J Urol** 48(1):77–81, Feb 76

Concentrations of various antibacterials in human seminal plasma. pp. 307–312. Malmborg AS, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Concentrations of trimethoprim and sulphamethoxazole in aqueous humour and plasma from regimens of co-trimoxazole in man. Salmon JD, et al.
J Antimicrob Chemother 1(2):205–11, Jun 75

Prostatic tissue and fluid concentrations of trimethoprim and sulfamethoxazole: experimental and clinical studies. Madsen PO, et al. **Urology** 8(2):129–32, Aug 76

[Colorimetric determination of diphepanol and its separation from trimethoprim and sulfamethoxazole] Comi G, et al. **Boll Chim Farm** 113(11):583–94, Nov 74 (Eng. Abstr.) **(Ita)**

METABOLISM

Absorption of two antibacterial drugs, cephalexin and co-trimoxazole, in malabsorption syndromes. Parsons RL, et al. **J Antimicrob Chemother** 1(3 Suppl):59–67, 1975

Delayed excretion of conjugated sulphamethoxazole in uraemia. Gotloib L, et al.
Proc Eur Dial Transplant Assoc 11:405–10, 1975

The Pharmacokinetic profile of co-trimoxazole. Bergan T, et al. **Scand J Infect Dis [Suppl]** (8):42–9, 1976

The concentration of trimethoprim and sulphamethoxazole in the urine and serum of incontinent patients undergoing long-term treatment. Brandberg A.
Scand J Infect Dis [Suppl] (8):54–5, 1976

Determination of drug concentrations in serum, urine and sputum in children's respiratory tract infections treated with Sumetrolim. Nevihostényi G, et al. **Ther Hung** 23(2):67–70, 1975

PHARMACODYNAMICS

Regression-line analysis of trimethoprim-sulfamethoxazole activity against Neisseria gonorrhoeae. Prior RB, et al. **Am J Clin Pathol** 66(3):605–9, Sep 76

Susceptibility of Haemophilus influenzae isolates from blood and cerebrospinal fluid to ampicillin, chloramphenicol, and trimethoprim-sulfamethoxazole. McGowan JE Jr, et al. **Antimicrob Agents Chemother** 9(1):137–9, Jan 76

Influences of media and inocula on the in vitro susceptibility of Haemophilus influenzae to co-trimoxazole, ampicillin, penicillin, and chloramphenicol. Marks MI, et al. **Antimicrob Agents Chemother** 8(6):657–63, Dec 75

Activity of sulfamethoxazole and trimethoprim against Bacteroides fragilis. Phillips I, et al. **Antimicrob Agents Chemother** 9(5):736–40, May 76

Comparison of in vitro susceptibility of Neisseria gonorrhoeae to trimethoprim-sulfamethoxazole on three different media. Yoshikawa TT, et al. **Antimicrob Agents Chemother** 8(5):515–7, Nov 75

Letter: Potentiation of warfarin by co-trimoxazole. De Swiet J. **Br Med J** 3(5981):491, 23 Aug 75

Sulphamethoxazole–trimethoprim: effect on antibody response in man. Arvilommi H, et al. **Chemotherapy** 22(1):37–42, 1976

Bacteriostatic and bactericidal activity of two trimethoprim–sulfonamide combinations. Böhni E. **Chemotherapy** 22(3–4):262–73, 1976

The antibacterial efficacy of two trimethoprim–sulphonamide combinations. Knothe H. **Chemotherapy** 22(1):62–9, 1976

The effect of co-trimoxazole on antitoxin response to tetanus toxoid. Letley E, et al. **Chemotherapy** 21(3–4):175–80, 1975

Kinetics and mechanisms of action of 'folate synthesis inhibitors', alone or in combination, on Escherichia coli. III. Pyrimethamine, trimethoprim and sulfamethoxazole. Seydel JK, et al. **Chemotherapy** 21(3–4):131–45, 1975

Effect of trimethoprim on the occurrence of drug-resistant coliform bacteria in the faecal flora. Toivanen A, et al. **Chemotherapy** 22(2):97–103, 1976

Effect of cotrimoxazole on the response to phenylalanine loading in man. **Clin Chim Acta** 68(1):17–30, 1 Apr 76

Thymidine and the assessment of co-trimoxazole action in liquid media. pp. 67–70. Then R.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

The correlation between the clinical effectiveness and ratio of blood concentration to minimum inhibitory concentration of sulfamethoxazole against Escherichia coli isolates. The determination of a parameter in a dosage equation by the pharmacokinetics. Otaya H, et al. **Int J Clin Pharmacol Biopharm** 12(4):395–402, Dec 75

Activity and interaction of trimethoprim and sulphamethoxazole against Escherichia coli. Greenwood D, et al. **J Clin Pathol** 29(2):162–6, Feb 76

The effect of co-trimoxazole on thymidine uptake by transforming human lymphocytes in vitro. Rogers HJ, et al. **J Pharm Pharmacol** 28(4):328–9, Apr 76

Effect of trimethoprim-sulfamethoxazole on the renal excretion of creatinine in man. Berglund F, et al. **J Urol** 114(6):802–8, Dec 75

Letter: Effect of trimethoprim sulfamethoxazole on the renal excretion of creatinine in man. Howards SS. **J Urol** 116(1):134, Jul 76

Cotrimoxazole and folate metabolism. Bateson MC, et al. **Lancet** 2(7981):339–40, 14 Aug 76

Letter: Potentiation of warfarin by co-trimoxazole. Hassall C, et al. **Lancet** 2(7945):1155–6, 6 Dec 75

In vitro activity of cotrimoxazole on the intracellular multiplication of Toxoplasma gondii. Nguyen BT, et al. **Pathol Eur** 10(4):307–15, 1975

Resistance pattern and species distribution of strains isolated from patients with catheters in central veins. Brandberg A, et al. **Scand J Infect Dis [Suppl]** (8):56–7, 1976

The resistance of 150 Klebsiella and E. coli strains isolated from patients suffering from bacteriaemia. Brandberg A, et al. **Scand J Infect Dis [Suppl]** (8):103–5, 1976

Resistance to co-trimoxazole. McAllister TA. **Scand J Infect Dis [Suppl]** (8):29–38, 1976

[Retrospective study of bactrim tolerance(author's transl)] Samin F, et al. **Praxis** 64(36):1152–4, 9 Sep 75 (Eng. Abstr.) **(Fre)**

[Current drug sensitivity of Neisseria gonorrhoeae. Study of 100 strains in the Paris area] Bergogne-Berezin E, et al. **Sem Hop Ther** 51(2):81–90, Feb 75 **(Fre)**

[Resistance patterns of certain Enterobacteriaceae in hospital and outpatients, with particular reference to trimethoprim-sulfamethoxazole (author's transl)] Freitag V. **Munch Med Wochenschr** 118(9):275–8, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Studies on the influence of trimethoprim/sulfamethoxazole on the quality of sperm in andrologic patients and a contribution to the pharmacological testing of a drug on the spermatogenetic activity of the testis] Lange D, et al. **Z Hautkr** 49(20):863–78, 15 Oct 74 **(Ger)**

[Sensitivity of enterobacteriaceae to sulfamethoxazole (SMZ), trimethoprim (TMP) and cotrimexazole (SMZ plus TMP)] Lynch B, et al. **Rev Chil Pediatr** 46(1):17–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Treatment of Whipple's disease with sulphamethoxazole–trimethoprim. Elsborg L, et al. **Acta Med Scand** 198(1–2):141–3, Jul–Aug 75

Letter: Trimethoprim–sulfamethoxazole and bacterial meningitis. Farid Z, et al. **Ann Intern Med** 84(1):50–1, Jan 76

Letter: Trimethoprim–sulfamethoxazole and bacterial meningitis. Farid Z, et al. **Ann Intern Med** 84(1):50–1, Jan 76

Letter: Trimethoprim–sulfamethoxazole for meningitis. Robinson JA. **Ann Intern Med** 84(5):613–4, May 76

Letter: Treatment of bacterial meningitis. Schlesinger JJ, et al. **Ann Intern Med** 85(1):127–8, Jul 76

Trimethoprim–sulfamethoxazole in murine toxoplasmosis. Remington JS. **Antimicrob Agents Chemother** 9(2):222–3, Feb 76

Sulfamethoxazole–trimethoprim–polymyxin therapy of serious multiply drug-resistant Serratia infections. Thomas FE Jr, et al. **Antimicrob Agents Chemother** 9(2):201–7, Feb 76

Prophylactic treatment of chronic bronchitis comparing co-trimoxazole and amoxycillin. Cooper J, et al. **Br J Clin Pract** 29(11):307–10, Nov 75

Septrin in the treatment of dermatitis cruris pustulosa et atrophicans. Jacyk WK. **Br J Dermatol** 95(1):71–3, Jul 76

Comparative double-blind study of cephalexin and co-trimoxazole in urinary tract infections. Gower PE, et al. **Br Med J** 1(6011):684–6, 20 Mar 76

Co-trimoxazole in prevention of bacteriuria after prostatectomy. Hills NH, et al. **Br Med J** 2(6034):498–9, 28 Aug 76

Preventive effects of trimethoprim/sulphamethoxazole on experimental staphylococcic pyelonephritis in rats. Obek A, et al. **Chemotherapy** 21(2):67–72, 1975

Trimethoprim/sulfonamide: rational combination therapy. Hitchings GH, et al. **Compr Ther** 2(5):55–63, May 76 (4 ref.)

Trimethoprim—sulphamethoxazole. The rationale for its use in gonorrhoea with a review of the clinical experience. pp. 293–8. Bernstein LS.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Treatment of symptomatic prostatitis with trimethoprim—sulphamethoxazole with a follow-up of one year. pp. 313–5. Jansen H.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Co-trimoxazole: properties and therapeutic uses. pp. 165–78. O'Grady F.
In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.

Prophylactic use of Bactrim in surgical gynaecology. A comparative study. pp. 295–301. Lecart C, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

A clinical study of trimethoprim and sulphamethoxazole (septran) in the treatment of bacterial diarrhoeas. Parija AC. **Indian J Pediatr** 42(335):345–50, Dec 75

Treatment and follow-up studies with co-trimoxazole in enteric fever and in typhoid carriers. Geddes AM, et al. **J Antimicrob Chemother** 1(1):51–4, Mar 75

The use of co-trimoxazole in sulphonamide-resistant Escherichia coli urinary tract infection. Grüneberg RN. **J Antimicrob Chemother** 1(3):305–10, Sep 75

The clinical, haematological and bacteriological effects of long-term treatment with co-trimoxazole. Hughes DT, et al. **J Antimicrob Chemother** 1(1):55–65, Mar 75

The new antibiotics: trimethoprim–sulfamethoxazole (TMP–SMZ). Nolan CM. **J Arkansas Med Soc** 73(2):111–3, Jul 76

Comparative clinical trial of co-trimoxazole, furazolidone and chloramphenicol in enteric fever. Samantaray SK, et al. **J Assoc Physicians India** 23(9):577–83, Sep 75

Comparison of trimethoprim–sulfamethoxazole and amoxicillin in therapy of chloramphenicol-resistant and chloramphenicol-sensitive typhoid fever. Gilman RH, et al. **J Infect Dis** 132(6):630–6, Dec 75

Comparison of trimethoprim–sulfamethoxazole and ampicillin theraphy for shigellosis in ambulatory. Nelson JD, et al. **J Pediatr** 89(3):491–3, Sep 76

Combination of sulphamethoxazole and trimethoprim (cotrimoxazole) in the treatment of lower respiratory tract infections. Store SD, et al. **J Postgrad Med** 21(3):114–20, Jul 75

Trimethoprim–sulphamethoxazole in the treatment of enteric fever. Ali Omer MI. **J Trop Med Hyg** 78(7):162–6, Jul 75

Chemotherapy in experimental toxoplasmosis: comparison of the efficacy of trimethoprim–sulfur and pyrimethamine–sulfur combinations. Seah SK. **J Trop Med Hyg** 78(7):150–3, Jul 75

Urinary tract infections in patients with severe renal disease. Treatment with ampicillin and trimethoprim–sulfamethoxazole. Bennett WM, et al. **JAMA** 236(8):946–8, 23 Aug 76

Letter: Trimethoprim–sulfamethoxazole therapy for prostatitis. Meares EM, et al. **JAMA** 233(10):1048–9, 8 Sep 75

Trimethoprim–sulfamethoxazole therapy for shigellosis. Nelson JD, et al. **JAMA** 235(12):1239–43, 22 Mar 76

Bowel flora in urinary tract infection: effect of chemotherapy with special reference to cotrimoxazole. Grüneberg RN, et al. **Kidney Int [Suppl]** Suppl 4:S122–9, Aug 75

Letter: Co-trimoxazole in chronic renal failure. Gotloib L. **Lancet** 2(7930):365, 23 Aug 75

Melioidosis in a child in papua new guinea successful treatment with kanamycin and trimethoprim–sulphamethoxazole. De Buse PJ, et al. **Med J Aust** 2(12):476–8, 20 Sep 75

The place of Bactrim and Vibramycin in acute salpingitis. Ng A. **Med J Malaysia** 30(2):133–4, Dec 75

Trimethoprim–sulfamethoxazole for treatment of urinary tract infections. **Med Lett Drugs Ther** 17(25):101–3, 5 Dec 75

Treatment of cholera E1 Tor with Bactrim. Komalarini S, et al. **Paediatr Indones** 15(7–8):207–9, Jul–Aug 75

Co–trimoxazole compared to chloramphenicol in the treatment of enteric fever. Uwaydah M, et al. **Scand J Infect Dis** 7(2):123–6, 1975

Co–trimoxazole in cases of gram–negative septicaemia. Brandberg A. **Scand J Infect Dis [Suppl]** (8):96–102, 1976

Co–trimoxazole in the long–term treatment of pyelonephritis with normal and impaired renal function. Denneberg T, et al. **Scand J Infect Dis [Suppl]** (8):61–6, 1976

Experience of co–trimoxazole in the treatment of Salmonella and Shigella infections. Franzén C. **Scand J Infect Dis [Suppl]** (8):79–80, 1976

Sulphamethoxazole–trimethoprim. III. Clinical aspects. Enteric infections. Summary. Hedlund P. **Scand J Infect Dis [Suppl]** (8):85, 1976 (2 ref.)

The treatment of typhoid and paratyphoid fevers with co–trimoxazole in a comparative trial with chloramphenicol. Jonsson M. **Scand J Infect Dis [Suppl]** (8):81–4, 1976

Co–trimoxazole and nitrofurantoin in urinary–tract infections: a controlled clinical study. Lövestad A, et al. **Scand J Infect Dis [Suppl]** (8):58–60, 1976

Sulphamethoxazole–trimethoprim. III. Clinical aspects. Urinary–tract infections. Summary. Ornsten PA. **Scand J Infect Dis [Suppl]** (8):71–4, 1976 (4 ref.)

The long–term treatment of chronic urinary–tract infections. Orsten PA. **Scand J Infect Dis [Suppl]** (8):67–70, 1976

A comparative trial of co–trimoxazole and doxycycline in the treatment of acute exacerbations of chronic bronchitis. Renmarker K. **Scand J Infect Dis [Suppl]** (8):75–8, 1976

The treatment of meningitis in infants with co–trimoxazole administered parenterally. Sabel KG. **Scand J Infect Dis [Suppl]** (8):86–90, 1976

Trimethoprim–sulfamethoxazole in the treatment of gonorrhea: comparison with standard treatment schedules. Duncan WC, et al. **South Med J** 68(9):1147–52, Sep 75

Treatment with Sumetrolim in chronic non–specific respiratory tract infections. Cséri T, et al. **Ther Hung** 23(3):115–7, 1975

Bacterial prostatitis: treatment with trimethoprim–sulfamethoxazole. McGuire EJ, et al. **Urology** 7(5):499–500, May 76

[Clinical laboratory experiences with co–trimoxazole] Vacek V, et al. **Cas Lek Cesk** 114(28):871–6, 11 Jul 75 (Eng. Abstr.) **(Cze)**

[Comparative study of injectable cotrimoxazole and doxycycline in urologic surgery] Derluyn JP, et al. **Acta Urol Belg** 42(4):485–91, Oct 74 (Eng. Abstr.) **(Fre)**

[Infantile shigelloses in northern Greece from 1971 to 1973. Therapeutic results using sulfamethoxazole–trimethoprime] Psoraki M, et al. **Pediatrie** 30(4):361–9, Jun 75 **(Fre)**

[Antibiotherapy in dentistry. Significance of the combination of SMZ and TM] Fouques P. **Rev Odontostomatol (Paris)** 4(3):263, May–Jun 75 **(Fre)**

[Use of sulfamethoxazole–trimethoprom in 65 infectious cases] Bertoye A, et al. **Sem Hop Ther** 51(5–6):321–4, May–Jun 75 **(Fre)**

[Results of the gonorrhea treatment with Sulprim] Heise H, et al. **Dermatol Monatsschr** 161(11):943–7, Nov 75 **(Ger)**

[Clinical study on Bactrim pro infusione] Hüsch H, et al. **Med Welt** 27(12):585–9, 19 Mar 76 **(Ger)**

[Parenteral chemotherapy in urinary tract infections with trimethoprim/sulfamethoxazole (TMP/SMZ)] Peters HJ, et al. **Med Welt** 27(23):1157–60, 4 Jun 76 **(Ger)**

[Clinical experience with Bactrim Roche ampoules in urology] Weiske WH. **Med Welt** 26(49):2238, 3 Dec 75 **(Ger)**

[Experiences with Eusaprim suspension for adults in geriatric patients (author's transl)] Jansen W. **Munch Med Wochenschr** 118(4):111–4, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[The treatment of various deep mycoses (South American blastomycosis, nocardiosis, actinomycetoma) with the drug combination sulfamethoxazole + trimethoprim (bactrim, septrin). Review of the literature] Havas L. **Mykosen** 18(6):263–73, Jun 75 **(Ger)**

[Therapeutic experiences with trimethoprim–sulfamethoxazole in the post–gonorrhoic urethritis] Lee S. **Z Allgemeinmed** 51(27):1207–8, 30 Sep 75 **(Ger)**

[Experiences with trimethoprim–sulfamethoxazole (Eusaprim) in the treatment of acute paranasal sinuses inflammations] Schmidt–Bäumler U. **Z Allgemeinmed** 51(20):924–5, 21 Jul 75 **(Ger)**

[Long–term treatment of chronic urinary tract infections with the combination drug trimethoprim–sulfamethoxazol (Eusaprim) in chronic patients] Dahl S. **Z Alternsforsch** 28(3):239–45, 1974 **(Ger)**

[Letter: Clinical pharmacological study of Sumetrolim] Marosvári I. **Orv Hetil** 116(35):2091, 31 Aug 75 **(Hun)**

[Use of cotrimexazole in the treatment of septicemia caused by Salmonella] Banfi A, et al. **Rev Chil Pediatr** 46(1):21–3, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Clinico–bacteriological evaluation of the use of Cotrimexazole in the treatment of shigellosis in newborn infants] Prado V, et al. **Rev Chil Pediatr** 46(1):25–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Ampicillin and trimethoprim–sulfamethoxazole in the acute phase of chronic bronchitis] Kleist H, et al. **Lakartidningen** 72(44):4277–9, 29 Oct 75 (Eng. Abstr.) **(Swe)**

TOXICITY

Proceedings: Chromosomal studies in Bactrim therapy. Gebhart E. **Mutat Res** 29(2):280, Aug 75

SULFAMETHOXYPYRIDAZINE

ADVERSE EFFECTS

[A case of chronic intrahepatic cholestasis with hypogammaglobulinemia induced by sulfa drugs (author's transl)] Sato E, et al. **Jpn J Gastroenterol** 72(12):1549–55, Dec 75 **(Jpn)**

[Effect of sulfapyridazine and sulfadimethoxine dust on the blood of workers] Bobrov VI, et al. **Gig Tr Prof Zabol** (6):44–5, Jun 76 **(Rus)**

METABOLISM

Characterisation of renal tubular transport processes in rats. Stopp M, et al. **Agressologie** 16(6):373–8, 1975

PHARMACODYNAMICS

[Sensitivity to dapsone, sulfamethoxypyridazine and ethionamide of mycobacterium leprae taken from patients treated by the drugs] Pattyn SR, et al. **Int J Lepr** 43(4):356–63, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Study of the sensitivity of Halprowia (microorganisms of the OLT group) isolated in joint pathology to antibiotics and sodium sulfapyridazine in in ovo experiments] Sumarokova NI. **Antibiotiki** 20(7):633–5, Jun 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Clinical and epidemiological findings during a recent chlorea outbreak in Naples. Suggestion for the use of sulfamethopyrazine in the chemo–prevention and therapy of cholera] De Lorenzo F, et al. **Farmaco [Prat]** 30(9):419–23, Sep 75 (Eng. Abstr.) **(Ita)**

SULFAMONOMETHOXINE see under **SULFANILAMIDES**

SULFAMOXOLE

[On the development of oral preparations of the combination sulfamoxole/trimethoprim (CN 3123) (author's transl)] Dechow HJ, et al. **Arzneim Forsch** 26(42):596–613, 1976 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Sixth communication: Results of compatibility of CN 312. (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):678–83, 1976 (Eng. Abstr.) **(Ger)**

METABOLISM

[Pharmacokinetic studies with the combination sulfamoxole/trimethoprim in animals and men (author's transl)] Kuhne J, et al. **Arzneim Forsch** 26(42):651–7, 1976 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Bacteriostatic and bactericidal activity of two trimethoprim–sulfonamide combinations. Böhni E. **Chemotherapy** 22(3–4):262–73, 1976

[Pharmacological investigations with the combination sulfamoxole/trimethoprim, a new broadspectrum chemotherapeutic agent (author's transl)] Gries J, et al. **Arzneim Forsch** 26(42):623–33, 1976 (Eng. Abstr.) **(Ger)**

[Investigations on the effect of the combination sulfamoxole/trimethoprim on fertility and fetal development in rats and rabbits (author's tranls)] Helm F, et al. **Arzneim Forsch** 26(42):643–51, 1976 (Eng. Abstr.) **(Ger)**

[Antimicrobial action of the combined preparation sulfamoxole/trimethoprim in vitro (author's transl)] Kohlmann FW, et al. **Arzneim Forsch** 26(42):613–8, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the antibacterial activity of the combination sulfamoxole/trimethoprim (CN 3123) (author's transl)] Legler F. **Arzneim Forsch** 26(42):658–61, 1976 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123). 2. Results of a multicenter clinical trial of CN 3123 in infections of the kidneys and urinary tract] Eckstein E, et al. **Arzneim Forsch** 26(42):665–70, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Third communication: Clinical results of a field trial with CN 3123 in bronchopulmonary and ENT (ear/nose/throat) infections (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):671–3, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Fourth communication: Clinical results with CN 3123 in infections of the gastrointestinal tract, the skin and gynecological adnexes (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):674–6, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123). 1st communication. Efficacy activity spectrum—resistance in therapy (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):661–5, 1976 (Eng. Abstr.) **(Ger)**

[Antimicrobial action of the combination sulfamoxole/trimethoprim in vivo (author's transl)] Kohlmann FW, et al. **Arzneim Forsch** 26(42):618–20, 1976 (Eng. Abstr.) **(Ger)**

[Experimental studies on the effect of the combination sulfamoxole/trimethoprim on the Toxoplasma infection of the mouse (author's transl)] Maier W, et al. **Arzneim Forsch** 26(42):620–2, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprin (CN 3123). Fifth communication: Comparison of two double–blind studies with CN 3123 undertaken for demonstration of its efficacy (author's transl)] Nijssen J, et al. **Arzneim Forsch** 26(42):676–8, 1976 (Eng. Abstr.) **(Ger)**

[The effect of a new broad–spectrum antibiotic in bronchopulmonar and urinary infections (author's transl)] Feldmeier. **Med Klin** 71:1192–6, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Management of urinary tract infections in gynecologic patients with a new combination of sulfamoxole and trimethoprim] Niskios D, et al. **Ther Ggw** 115(4):646–56, Apr 76 **(Ger)**

TOXICITY

[Toxicological investigations of the combination sulfamoxole/trimethoprim, a new broad–spectrum chemotherapeutic (author's transl)] Lagler F, et al. **Arzneim Forsch** 26(42):634–43, 1976 (Eng. Abstr.) **(Ger)**

SULFANILAMIDES

On the direct compression of sulfamethoxydiazine polymorphic forms – II. Caramella C, et al. **Farmaco [Prat]** 30(10):496–501, Oct 75 (Eng. Abstr.)

On the direct compression of sulfamethoxydiazine (SMD) polymorphic forms – I. Conte U, et al. **Farmaco [Prat]** 30(4):194–206, Apr 75

Thermodynamic characteristics of the adsorption of sulfanilamide, phenol, and n–butanol on bio–gel beads. Janado M, et al. **J Biochem (Tokyo)** 79(3):513–20, Mar 76

The story of chemotherapy at Johns Hopkins: Perrin H. Long, Eleanor A. Bliss, and E. Kennerly Marshall, Jr. Harvey AM. **Johns Hopkins Med J** 138(2):54–60, Feb 76

[Tablets. XII. Influence of the nature of certain adjuvants on the qualities of grains and tablets of sulfanilamide. Study of paired diluants: potato starch—tricalcium phosphate] Ambandh MY, et al. **J Pharm Belg** 29(6):523–38, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Tablets. XIII. Influence of the nature of certain adjuvants on the qualities of grains and tablets of sulfanilamide. Study of paired diluants: potato starch—monocalcium phosphate, potato starch—dicalcium phosphate] Ambandh MY, et al. **J Pharm Belg** 29(6):539–59, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[The effects of urea and urea derivatives on the water solubility of some drugs] Rohdewald P. **Pharmazie** 30(7):460–3, Jul 75 **(Ger)**

[Photochemistry of photodynamic compounds. V. Kinetics of photolysis of S–35–sulfanilamide aqueous solutions] Pawlaczyk J, et al. **Acta Pol Pharm** 32(4):465–9, 1975 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Prevention of drug resistance in rodent malaria by the use of drug mixtures. Peters W. **Bull WHO** 51(4):379–83, 1974

Comparative efficiency of pyrimethamine–sulphormethoxine in malaria suppression given as single weekly, fortnightly and monthly doses. Shafei AZ. **J Trop Med Hyg** 78(8):190–2, Aug 75

[Clinical testing of the vaginal paste Oestro–Gynedron] Schuck W. **Munch Med Wochenschr** 117(35):1391–2, 29 Aug 75 **(Ger)**

[Combined use of antibiotics and other chemotherapeutic preparations] Chernomordik AB. **Klin Med (Mosk)** 53(11):117–22, Nov 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Haemolytic effect of two sulphonamides evaluated by a new method. Gaetani GD, et al. **Br J Haematol** 32(2):183–91, Feb 76

Studies on photosensitivity caused by sulfa drugs. Part 6. Sensitization with p–hydroxylaminobenzene sulfonamide and histamine metabolism. Aoki K, et al. **J Dermatol (Tokyo)** 1(3):99–103, Sep 74

Use of an isolator system to study the selective pressure of sulfaquinoxalin–containing coccidiostats on Escherichia coli populations in chicks. Guinée P, et al. **Zentralbl Veterinaermed [B]** 22(9):718–28, Nov 75

[Erythema fixum induced by drugs] Brandrup FO. **Ugeskr Laeger** 138(12):753–4, 15 Mar 76 (Eng. Abstr.) **(Dan)**

[Allergic drug–induced dermatosis] Zerbino DD. **Vrach Delo** (10):128–30, Oct 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Degradation of Trifluralin, Oryzalin, and Isopropalin in soil. Golab T, et al. **Environ Qual Saf [Suppl]** 3:258–61, 1975

Gas chromatographic analysis of oryzalin residues in agricultural crops and soil. Sieck RF, et al. **J Agric Food Chem** 24(3):617–20, May–Jun 76

[Use of an automatic Jeol analyzer type JLC–3BC in drug analysis. Sequence of migration of sulfanilamides and their arylsulfonates] Jarzębiński J, et al. **Acta Pol Pharm** 32(4):457–63, 1975 (Eng. Abstr.) **(Pol)**

BLOOD

Influence of age on half–life of trimethoprim and sulphadoxine in goats. Nielsen P, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):113–9, Feb 76

METABOLISM

Elimination of trimethoprim, sulphadoxine and their metabolites in goats. Nielsen P, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):104–12, Feb 76

Residues of drugs in eggs after medication of laying hens for eight days. Blom L. **Acta Vet Scand** 16(3):396–404, 1975

Concentrations of trimethoprim and sulphadoxine in tissues from goats and a cow. Nielsen P, et al. **Acta Vet Scand** 16(3):405–10, 1975

Sulfametopyrazine metabolism in slow and rapid acetylators. Karim AK, et al. **Ann Trop Med Parasitol** 70(1):123–4, Mar 76

Fasting and the volume of drug distribution in the rats. Komuro T, et al. **Chem Pharm Bull (Tokyo)** 23(4):909–16, Apr 75

Acetylation polymorphism of sulfapyridine in patients with ulcerative colitis and Crohn's disease. Das KM, et al. **Clin Pharmacol Ther** 18(5 Pt 1):514–20, Nov 75

Distribution of sulphaquinoxaline in tissues of poultry. Banerjee NC, et al. **Indian J Physiol Pharmacol** 18(4):361–3, Oct–Dec 74

Effects of normal alcohols on intestinal absorption of salicylic acid, sulfapyridine, and prednisolone in rats. Hayton WL. **J Pharm Sci** 64(9):1450–6, Sep 75

Plasma concentrations, plasma protein binding and residues of sulfamonomethoxine in pigs, horses and cattle. Rauws AG, et al. **Tijdschr Diergeneeskd** 100(20):1099–104, 15 Oct 75

Trimethoprim and sulphadoxine in swine. Half–lives, volume of distribution and tissue concentrations. Nielsen P, et al. **Zentralbl Veterinaermed [A]** 22(7):564–71, Sep 75

PHARMACODYNAMICS

Effect of trimethoprim on the occurrence of drug–resistant coliform bacteria in the faecal flora. Toivanen A, et al. **Chemotherapy** 22(2):97–103, 1976

Effect of terramycin and sulphanilamide on the reproduction and longevity of the gourd fruit fly, Dacus cucurbitae Coq. (Trypetidae: Diptera). Sankaranarayanan R, et al. **Hindustan Antibiot Bull** 17(1–2):19–23, Aug–Nov 74

The effect of sulfaquinoxaline feed medication on the immunologic response to a Pasteurella multocida vaccine administered to turkeys via drinking water. Bierer BW, et al. **Poult Sci** 55(1):209–12, Jan 76

[Type of resistance to antibiotics and to sulfanilamides of 590 'Shigella sonnei' strains. Geographic distribution; relationship with biotype and phage type] Szturm–Rubinsten S, et al. **Bull Soc Pathol Exot** 67(6):564–73, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Studies on the kinetics of sulfaclomide and the effect of sulfaclomide therapy on p–aminohippuric acid clearance in pregnancy] Peiker G, et al. **Zentralbl Gynaekol** 97(10):612–8, 1975 (Eng. Abstr.) **(Ger)**

[Gram negative bacteria with drug resistance factor isolated from children in 2 hospitals in Rio de Janeiro] Palmeira ML, et al. **Mem Inst Oswaldo Cruz** 72(1–2):43–7, 1974 (Eng. Abstr.) **(Por)**

[New preparations: sulfamonomethoxine, an antibacterial agent] **Farmatsiia** 25(2):84–6, 1976 **(Rus)**

[Effect of tween–80 on the absorption and acetylation of norsulfazole] Makarov VA, et al. **Farmatsiia** 24(4):33–4, Jul–Aug 75 **(Rus)**

[Study of the decomposition process of sulfanilamide preparations in solution during sterilization and storage] Voropanov EI. **Farmatsiia** 25(1):35–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Tuberculocidal activity of lithium hydrochloride, the potassium salt of dichlorisocyanuric acid and sulfochloranthine] Vashkov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):138–9, Apr 75 **(Rus)**

[Streptocide phosphorylation by phosphoric anhydride and phosphoric acid] Kalashnikov VP. **Farm Zh** 31(1):34–7, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

SUPPLY & DISTRIBUTION

[Dynamics of the demand for sulfanilamide group preparations] Dement'eva ZS, et al. **Farmatsiia** 24(4):26–9,

Jul-Aug 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Single-dose therapy of Falciparum malaria using pyrimethamine in combination with diformyldapsone or sulfadoxine. Doberstyn EB, et al. **Am J Trop Med Hyg** 25(1):14–9, Jan 76

Acetylator phenotype and response of individuals infected with a chloroquine-resistant strain of Plasmodium falciparum to sulfalene and pyrimethamine. Williams RL, et al. **Am J Trop Med Hyg** 24(5):734–9, Sep 75

Sulfacytine vs. sulfisoxazole for urinary tract infections in an obstetric-gynecologic population. Jensen PA, et al. **Curr Ther Res** 19(6):573–8, Jun 76

Double-blind comparison of sulfacytine, a new sulfonamide, with sulfisoxazole in acute uncomplicated urinary tract infections. Way KE. **Curr Ther Res** 19(2):220–9, Feb 76

Sulfametopyrazine (SMP) in the chemoprophylaxis of exacerbations of chronic bronchitis. pp. 337–44. Darke CS, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Sulfametopyrazine as treatment for bacteriuria in pregnancy, and effects on bowel flora. pp. 385–90. Reeves DS.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

The effect of sulfonamides on pain and swelling following removal of ectopic third molars. MacGregor AJ, et al. **Int J Oral Surg** 4(5):184–90, Oct 75

Laboratory and clinical studies with sulfametopyrazine as a treatment for bacteriuria in pregnancy. Reeves DS. **J Antimicrob Chemother** 1(2):171–86, Jun 75

Sulfacytine: a new sulfonamide. Double-blind comparison with sulfisoxazole in acute uncomplicated urinary tract infections. Hughes J, et al. **J Urol** 114(6):912–4, Dec 75

Treatment of leprosy with clofazimine, rifampicin and Bayrena. Languillon J. **Lepr Rev** 46(2 Suppl):81–4, Jun 75

Sulfacytine. **Med Lett Drugs Ther** 18(10):43–4, 7 May 76

Public Health Reports, December 11, 1942: Sulfanilamide in the treatment of leprosy. Faget GH, et al. **Public Health Rep** 90(6):486–9, Nov-Dec 75

Sulfacytine in uncomplicated urinary tract infections. Double-blind comparison with sulfisoxazole. Cohen AE. **Urology** 7(3):267–71, Mar 76

[Use of injectable Fansidar in juvenile malaria in Dakar] Niang I, et al. **Bull Soc Med Afr Noire Lang Fr** 20(1):15–9, 1975 (Eng. Abstr.) **(Fre)**

[Duration of action of the pyrimethamine-sulfametopyrazine combination in a Plasmodium falciparum endemic zone] Picq JJ, et al. **Bull Soc Pathol Exot** 68(1):61–7, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic and chemical investigations in children after oral administration of lidaprim (author's transl)] Brandesky G, et al. **Wien Klin Wochenschr** 87(18):611–5, 3 Oct 75 **(Ger)**

[Experience with a combination of sulfametrol and trimethoprim (Lidaprim) in otorhinilaryngologic infections] Steinböck VH, et al. **Wien Med Wochenschr** 125(36):508–10, 5 Sep 75 **(Ger)**

[Antibacterial therapy of dysentery in children] Gusarskaia IL, et al. **Pediatriia** (6):55–7, Jun 75 **(Rus)**

[New therapeutic preparations and their clinical evaluation] Bilibin AF, et al. **Ter Arkh** 47(5):52–8, 1975 **(Rus)**

[Use of antirheumatic and antimicrobial drugs for the prevention of rheumatism in patients with streptococcal infection] Iasinovskiĭ MA, et al. **Vrach Delo** (2):12–6, Feb 74 **(Rus)**

TOXICITY

Hemorrhage and death in dogs following the administration of sulfaquinoxaline. Patterson JM, et al. **Can Vet J** 16(9):265–8, Sep 75

[Study of the allergic properties of medicinal preparations in experiments] Shashkina LF, et al. **Farmakol Toksikol** 39(1):78–81, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

SULFANILIC ACID see under **BENZENESULFONATES**

SULFAPYRIDINE see under **SULFANILAMIDES**

SULFAQUINOXALINE see under **SULFANILAMIDES**

SULFASALAZINE see **SALICYLAZOSULFAPYRIDINE**

SULFATASES

An enzyme electrode based on immobilized arylsulfatase for the selective assay of sulfate ion. Cserfalvi T, et al. **Anal Chim Acta** 84(2):259–70, Jul 76

On the physical properties and mechanism of action of arylsulfate sulfohydrolase II from Aspergillus oryzae. Sampson EJ, et al. **Arch Biochem Biophys** 169(2):372–83, Aug 75

Effect of neuraminidase on the multiple forms of arylsulphatase B. Farooqui AA. **Biochimie** 58(6):759–61, 1976

Regulatory interactions for the control of steroid sulfate metabolism. Notation AD. **J Steroid Biochem** 6(3–4):311–6, Mar-Apr 75 (36 ref.)

ANALYSIS

Electron microscopic studies on the aryl-sulphatase activity of the pineal gland. Kerényi NA, et al. **Acta Histochem (Jena)** 53(2):192–7, 1975

Secondary alkylsulphatases in a strain of Comamonas terrigena. Fitzgerald JW. **Biochem J** 149(2):477–80, Aug 75

Autophagy-related changes of arylsulphatases A and B in rat liver lysosomes. Sanghavi P, et al. **Biochem J** 155(3):725–8, 1 Jun 76

Problems associated with the determination of arylsulfatase A and B using nitrocatechol sulfate substrate. Shapira E, et al. **Clin Chim Acta** 65(1):1–4, 15 Nov 75

The histochemical demonstration of arylsulphatase in human tumours. Koudstaal J. **Eur J Cancer** 11(11):809–13, Nov 75

Ultrastructural observations on the enzymatic activity of keratinosomes. Gonzalez LF, et al. **J Ultrastruct Res** 55(2):203–11, May 76

ANTAGONISTS & INHIBITORS

Ascorbate-2-phosphate inhibition of ascorbate-2-sulfate sulfohydrolase from bovine liver. Carlson RW, et al. **Biochem Biophys Res Commun** 68(3):949–53, 9 Feb 76

BLOOD

Iduronate sulfatase determination for the diagnosis of the Hunter syndrome and the detection of the carrier state. Neufeld EF, et al. **Adv Exp Med Biol** 68:253–60, 1976

Rapid method for measuring arylsulfatase A and B in leucocytes as a diagnosis for sulfatidosis, mucosulfatidosis and mucopolysaccharidosis VI. Humbel R. **Clin Chim Acta** 68(3):339–41, 3 May 76

Fine structural localization of arylsulfatase B activity in the rabbit blood platelets. Murata F, et al. **Histochemistry** 44(4):307–12, 29 Sep 75

Letter: Serum arylsulfatase A assay. Beratis NG, et al. **J Pediatr** 87(4):669–70, Oct 75

Iduronate sulfatase activity in serum, lymphocytes, and fibroblasts—simplified diagnosis of the Hunter syndrome. Liebaers I, et al. **Pediatr Res** 10(8):733–6, Aug 76

DEFICIENCY

Diagnosis of placental sulfatase deficiency.. Tabei T, et al. **Am J Obstet Gynecol** 124(4):409–14, 15 Feb 76

Sulfatide excreting heterozygous carrier of juvenile metachromatic leukodystrophy or asymptomatic patient of adult metachromatic leukodystrophy. Harzer K, et al. **Humangenetik** 29(4):299–307, 7 Oct 75

Placental sulfatase deficiency: a case study. Osathanondh R, et al. **J Clin Endocrinol Metab** 43(1):208–14, Jul 76

Urinary oestrogen and plasma human placental lactogen as initial screening tests for a placental sulphatase deficiency. Beastall GH, et al. **Scott Med J** 21(3):106–8, Jul 76

Discussion: Metachromatic leukodystrophy, an unusual case with a subtle cerebroside sulfatase defect. Kihara H. **UCLA Forum Med Sci** (18):501–6, 1975

ISOLATION & PURIFICATION

Studies in metachromatic leukodystrophy. XIII. Purification of sulfatase A from normal human liver. Collins J, et al. **Adv Exp Med Biol** 68:225–32, 1976

Purification and some properties of soluble human liver arylsulfatases. Shapira E, et al. **Arch Biochem Biophys** 170(1):179–87, Sep 75

Purification and properties of arylsulphatase B of human liver. Agogbua SI, et al. **Biochem J** 153(2):415–21, 1 Feb 76

Purification, properties and glycoprotein nature of arylsulfatase A from sheep brain. Balasubramanian KA, et al. **Biochim Biophys Acta** 403(1):113–21, 22 Sep 75

METABOLISM

P-Nitrocatechol sulfate for arylsulfatase assay: detection of metachromatic leukodystrophy variants. Dubois G, et al. **Adv Exp Med Biol** 68:233–7, 1976

Arylsulfatases A and B in metachromatic leukodystrophy and Maroteaux-Lamy syndrome: studies with 4-methylumelliferyl sulfate. Kolodny EH, et al. **Adv Exp Med Biol** 68:239–51, 1976

A spectrophotometric assay for demethiolating activity. Laakso S, et al. **Anal Biochem** 72:600–5, 7 May 76

Liberation of sulfate from sulfate esters by soils. Houghton C, et al. **Appl Environ Microbiol** 31(6):969–76, Jun 76

Solubilization and partial purification of steroid sulfatase from rat liver: characterization of estrone sulfatase. Iwamori M, et al. **Arch Biochem Biophys** 174(1):199–208, May 76

Evidence of an essential histidine residue in rabbit liver aryl sulfatase A. Lee GD, et al. **Arch Biochem Biophys** 171(2):424–34, Dec 75

Effect of chloroquine on cultured fibroblasts: release of lysosomal hydrolases and inhibition of their uptake. Wiesmann UN, et al. **Biochem Biophys Res Commun** 66(4):1338–43, 27 Oct 75

Studies on the Arylsulphatase and phenol sulphotransferase activities of Aspergillus oryzae. Burns GR, et al. **Biochem J** 149(3):697–705, Sep 75

Comparative activity of arylsulphatases A and B on two synthetic substrates. Delvin EE, et al. **Biochem J** 157(2):353–6, 1 Aug 76

Desulphation of heparin by mice and guinea pig leukocytes. Fabian I, et al. **Biochim Biophys Acta** 437(1):122–8, 23 Jun 76

Ascorbic acid-2-sulfate sulfhohydrolase activity of human arylsulfatase A. Fluharty AL, et al. **Biochim Biophys Acta** 429(2):508–16, 8 Apr 76

Sulphogalactolipid sulphohydrolase activity of arylsulphatase purified from a marine gastropod Charonia lampas. Hatanaka H, et al. **Biochim Biophys Acta** 438(1):176–85, 7 Jun 76

The sulphatase of ox liver. XIX. On the nature of the polymeric forms of sulphatase A present in dilute solutions. Jerfy A, et al. **Biochim Biophys Acta** 422(2):335–78, 13 Feb 76

Arylsulfatases isoenzymes in metachromatic leucodystrophy/detection of a new variant by electrophoresis improvement of quantitative assay. Dubois G, et al. **Biomedicine [Express]** 23(3):116–9, 10 Apr 75

Arylsulfatse B in colorectal cancer. Morgan LR Jr, et al. **Cancer** 36(6 Suppl):2337–45, Dec 75

Properties of enzyme fraction A from Chlorella and copurification of 3' (2'), 5'-biphosphonucleoside 3' (2')-phosphohydrolase, adenosine 5'phosphosulfate sulfohydrolase and adenosine-5'-phosphosulfate cyclase activities. Lik-Shing Tsang M, et al. **Eur J Biochem** 65(1):113–21, 17 May 76

The histochemical demonstration of arylsulphatase and acid hydrolases in carcinoma of the colon and the breast. Koudstaal J. **Eur J Cancer** 11(7):479–82, Jul 75

Arylsulphatase B (Maroteaux-Lamy factor): a part of the enzyme system responsible for sulphate release from mucopolysaccharide fragment. Gniot-Szulzycka J, et al. **FEBS Lett** 65(1):63–8, 15 May 76

Genetics of murine liver and kidney arysulfatase b. Daniel WL. **Genetics** 82(3):477–91, 25 Mar 76

The activator of cerebroside sulphatase. Purification from human liver and identification as a protein. Fischer G, et al. **Hoppe Seylers Z Physiol Chem** 356(5):605–13, May 75

The activator of human cerebroside sulphatase. Activating effect on the acidic forms of the sulphatases from invertebrates. Mraz W, et al. **Hoppe Seylers Z Physiol Chem** 357(2):201–6, Feb 76

Human prostatic dehydroepiandrosterone sulfate sulfatase. pp. 160–70. Farnsworth WE.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Alkaline phosphatase, arylsulfatase and beta-glucuronidase in saliva of cyclic women. Boyer KG, et al. **Int J Fertil** 21(1):43–8, 1976

Sulfatide and seminolipid as substrates of Charonia lampas arylsulfatase. Hatanaka H, et al. **J Biochem (Tokyo)** 78(2):427–9, Aug 75

Two glycosulfatases from the liver of a marine gastropod, Charonia lampas. Partial purification and properties. Hatanaka H, et al. **J Biochem (Tokyo)** 79(1):27–34, Jan 76

Purification and characterization of methioninase from Pseudomonas putida. Ito S, et al. **J Biochem (Tokyo)** 79(6):1263–72, Jun 76

Arylsulfatase B of human lung. Isolation, characterization, and interaction with slow-reacting substance of anaphylaxis. Wasserman SI, et al. **J Clin Invest** 57(3):738–44, Mar 76

Apparent biochemical homozygosity in two obligatory heterozygotes for metachromatic leukodystrophy. Lott IT, et al. **J Pediatr** 89(3):438–40, Sep 76

Acid hydrolases in the odontoblast-predentin region of dentinogenically active teeth. Engström C, et al. **Scand J Dent Res** 84(2):76–81, Mar 76

Cholesteryl sulfate and sterol sulfatase in the human reproductive tract. Lalumière G, et al. **Steroids** 27(2):247–60, Feb 76

[Comparative studies of the acid hydrolases of human leucocytes and human and guinea pig alveolar macrophages. I. Study of the activities of glycosidases, arylsulfatase and acid phosphatase (author's transl)] Scharfman A, et al. **Clin Chim Acta** 63(3):369–76, 16 Sep 75 (Eng. Abstr.) **(Fre)**

[Activity of lysosomal alpha-arylsulfatase and beta-glucuronidase enzymes in benign and malignant breast tumors] Panazzolo A, et al. **Arch Sci Med (Torino)** 132(4):193–213, Oct-Dec 75 (Eng. Abstr.) **(Ita)**

[Isoenzymes of esterase and alkaline phosphatase in blood serum and adipose tissue of rats after partial pancreatectomy] Surinov BP, et al. **Vopr Med Khim** 21(4):355–8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

URINE

Studies on urinary arylsulphatase activity in vitamin A deficient rats. Srinivas L, et al. **Int J Vitam Nutr Res** 46(1):3–10, 1976

[Screening tests for urinary activity of A and B arylsulfatases in children with various diseases] Dzialoszyński L, et al. **Pediatr Pol** 50(10):1269–72, Oct 75 (Eng. Abstr.) **(Pol)**

[Activity of soluble urinary A and B arylsulfatases in children with acute rheumatic fever] Dzialoszyński L, et al. **Pediatr Pol** 50(10):1273–8, Oct 75 (Eng. Abstr.) **(Pol)**

[Activity of urinary A and B arylsulfatases in newborn infants and children up to the age of 12] Dzialoszyński L, et al. **Pediatr Pol** 50(10):1263–8, Oct 75 (Eng. Abstr.) **(Pol)**

SULFATES

Prevention of milk fever (hypocalcemic paresis puerperalis) by dietary salt supplements. Dishington IW. **Acta Vet Scand** 16(4):503–12, 1975

Salt effects on the denaturation of DNA. V. Preferential interactions of native and denatured calf thymus DNA in

Na2SO4 solutions of varying ionic strength. Fu JC, et al. **Biopolymers** 15(2):265–82, Feb 76

Chemistry of the Kober reaction. Oliver RW, et al. **Clin Chem** 22(5):679–80, May 76

Estimated changes in human exposure to suspended sulfate attributable to equipping light-duty motor vehicles with oxidation catalysts. Finklea JF, et al. **Environ Health Perspect** 10:29–34, Apr 75

Porous calcium sulphate dihydrate as a biodegradable implant in bone. Frame JW. **J Dent** 3(4):177–87, Jul 75

Nitrogen retention in men fed isolated soybean protein supplemented with L-methionine, D-methionine, N-acetyl-L-methionine, or inorganic sulfate. Zezulka AY, et al. **J Nutr** 106(9):1286–91, Sep 76

Pulse radiolysis studies of the oxidation of phenols by SO4- and Br2- in aqueous solutions. Bansal KM, et al. **Radiat Res** 67(1):1–8, Jul 76

[Interaction of adenosin-3',5'-cyclosulfate with adenosine-3'5'-cyclophosphate dependent protein kinase and phosphodiesterase] Severin ES, et al. **Biokhimiia** 41(2):384–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Titrometric determination of unithiol using copper sulfate] Gein LG, et al. **Farmatsiia** 24(4):69–70, Jul-Aug 75 **(Rus)**

ADMINISTRATION & DOSAGE

[A comparison of intraocular penetration of ocular drugs during the use of contact lenses and of various methods of topical administration. An experiment with radioactive sulfate] Krejčí L, et al. **Cesk Oftalmol** 31(6):423–9, Nov 75 (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

Effects of suspended sulfates on human health. French JG. **Environ Health Perspect** 10:35–7, Apr 75

[Letter: Away with coppersulfates] Schou J, et al. **Ugeskr Laeger** 137(42):2463, 13 Oct 75 **(Dan)**

ANALYSIS

A new method for the determination of N-sulfate in heparin and its analogs. Inoue Y, et al. **Anal Biochem** 71(1):46–52, Mar 76

Measurement of sulfuric acid aerosol, sulfur trioxide, and the total sulfate content of the ambient air. Thomas RL, et al. **Anal Chem** 48(4):639–42, Apr 76

An enzyme electrode based on immobilized arylsulfatase for the selective assay of sulfate ion. Cserfalvi T, et al. **Anal Chim Acta** 84(2):259–70, Jul 76

Sulphated glycoproteins in rat saliva. Embery G, et al. **Arch Oral Biol** 20(12):843–7, Dec 75

A gas chromatographic determination method of 5-chloro-7-iodo-8-quinolinol and its conjugates in biological fluids. Chen C, et al. **Chem Pharm Bull (Tokyo)** 24(1):97–101, Jan 76

The distribution of sulfated uronic acid and hexosamine residues in heparin and heparan sulfate. Cifonelli JA, et al. **Connect Tissue Res** 3(1):97–104, 1975

Automotive sulfate emission data. Somers JH. **Environ Health Perspect** 10:15–27, Apr 75

The water-to-air transfer of 35SO4= by bursting bubbles. Miller CW, et al. **Environ Lett** 10(1):1–12, 1975

The analysis of airborne sulfate: a critical review. Tanner RL, et al. **J Air Pollut Control Assoc** 26(8):737–47, Aug 76 (130 ref.)

Chemical analysis of a sulphated macromolecule isolated from rabbit submandibular gland. Krogstad S, et al. **J Biol Buccale** 4(1):61–6, Mar 76

Nonaqueous titration of sulfates of quinine and quinidine using barium acetate. Soliman SA, et al. **J Pharm Sci** 65(3):424–7, Mar 76

Sulfated components of enveloped viruses. Pinter A, et al. **J Urol** 16(4):859–66, Oct 75

An automated method for the determination of sulfate. Melnicoff MJ, et al. **Res Commun Chem Pathol Pharmacol** 14(2):377–86, Jun 76

Spectroscopic observation of acid sulfate in atmospheric particulate samples. Cunningham PT, et al. **Science** 191(4222):77–9, 9 Jan 76

[Exposed lead dioxide candles analyzed by a volumetric method, carried out as laboratory and field tests in Innsbruck (author's transl)] Jenewein I, et al. **Zentralbl Bakteriol [Orig B]** 161(4):339–50, Feb 76 (Eng. Abstr.) **(Ger)**

[Determination of the sulfate sulfur in ichthyol by titrametric methods] Kalde LIa. **Farmatsiia** 25(2):69–71, 1976 **(Rus)**

BIOSYNTHESIS

Species differences in the conjugation of 4-hydroxy-3-methoxyphenylethanol with glucuronic acid and sulphuric acid. Wong KP. **Biochem J** 158(1):33–7, 15 Jul 76

Lack of conversion of isethionic acid to sulfate in the rat. Rosei MA. **Boll Soc Ital Biol Sper** 52(3):174–7, 15 Feb 76

Formation and endogenous sulphated compounds from 3'-phosphoadenosine 5'-phosphosulphate in rat brain. Balasubramanian AS. **Indian J Biochem Biophys** 12(1):60–6, Mar 75

Atmospheric sulfates from biological sources. Hitchcock DR. **J Air Pollut Control Assoc** 26(3):210–5, Mar 76

Biosynthesis of sulfated glycoprotein in the endometrium of rabbit uterus. Endo M, et al. **J Biochem (Tokyo)** 79(2):293–8, Feb 76

BLOOD

[Method of determination of sulfates in blood serum and their clinical significance] Vafakulov SKh, et al. **Lab Delo** (1):53–4, 1976 **(Rus)**

CHEMICAL SYNTHESIS

Preparation of the 3-monosulphates of cholic acid, chenodeoxycholic acid and deoxycholic acid. Haslewood ES, et al. **Biochem J** 155(2):401–4, 1 May 76

METABOLISM

Influence of the concentration of phosphorus, potassium, calcium and iron compounds on the microbial reduction of sulphates. Domka F, et al. **Acta Microbiol Pol [A]** 8(1):57–64, 1976

Effect of the concentration of available carbon compounds on the microbial reduction of sulphates. Domka F, et al. **Acta Microbiol Pol [B]** 7(2):97–101, 1975

Effect of the concentration of nitrogen compounds on microbial reduction of sulphates. Domka F, et al. **Acta Microbiol Pol [B]** 7(4):259–62, 1975

Changes in 35S-sulphate uptake in different tissues in the knee and hip regions of rabbits during immobilization, remobilization the development of osteoarthritis. Videman T, et al. **Acta Orthop Scand** 47(3):290–8, Jun 76

Liberation of sulfate from sulfate esters by soils. Houghton C, et al. **Appl Environ Microbiol** 31(6):969–76, Jun 76

Effects of three environmental variables on sulfate uptake by aerobic bacteria. Monheimer RH. **Appl Microbiol** 30(6):975–81, Dec 75

Sulphate uptake and metabolism in the chrysomonad, monochrysis lutheri. Deane EM, et al. **Arch Microbiol** 105(3):295–301, 7 Nov 75

The uptake and assimilation of sulphate by Thiobacillus ferrooxidans. Tuovinen OH, et al. **Arch Microbiol** 105(2):123–7, 27 Oct 75

Aortic hexosamine, [35S]sulfate uptake, and calcium metabolism related to early arterial degenerative changes induced by lactation and forced weaning in breeder rats. Judd JT, et al. **Atherosclerosis** 22(2):241–56, Sep-Oct 75

Sulphate recycling and metabolism in sheep and cattle. Kennedy PM, et al. **Aust J Biol Sci** 28(1):31–42, Feb 75

The reversibility of active sulphate transport in membrane vesicles of Paracoccus denitrificans. Burnell JN, et al. **Biochem J** 150(3):527–36, Sep 75

Synthesis of bile acid monosulphates by the isolated perfused rat kidney. Summerfield JA, et al. **Biochem J** 156(2):339–45, 15 May 76

Kinetics of sulfate transport by Penicillium notatum. Interactions of sulfate, protons, and calcium. Cuppoletti J, et al. **Biochemistry** 14(21):4712–8, 21 Oct 75

Hormonal regulation of incorporation of 35S into macromolecules of oviduct fluid. Hanscom DR, et al. **Biol Reprod** 14(5):599–604, Jun 76

Correction of accumulation of sulfate-containing compounds in cultured generalized gangliosidosis fibroblasts by beta-galactosidase. Distler J, et al. **Birth Defects** 11(6):311–5, 1975

The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep. Gawthorne JM, et al. **Br J Nutr** 35(1):11–23, Jan 76

Intracellular transport of sulfated macromolecules in parotid acinar cells. Berg NB, et al. **Cell Tissue Res** 165(2):215–25, 26 Jan 76

Secretion of sulfuric acid in Cassidaria echinophora Lamarck (Mollusca: Mesogastropoda, marine carnivorous snail). Fänge R, et al. **Comp Biochem Physiol [A]** 53(1):101–3, Jan 76

Effect of 3-methylcholanthrene pretreatment on glucuronidation and sulfation in perfused rat liver. Hamada N, et al. **Drug Metab Dispos** 3(5):407–16, Sep-Oct 75

Steroid hormone effects on sonatomedin. I. Somatomedin action in vitro. Phillips LS, et al. **Endocrinology** 97(4):780–6, Oct 75

Incorporation of inorganic sulfate in rat-liver Golgi. Katona E. **Eur J Biochem** 63(2):583–90, 1 Apr 76

Role of the site of sulpho-conjugation on the formation of hydroxylated corticosterone metabolites in the rat. Baillie TA, et al. **FEBS Lett** 58(1):170–4, 15 Oct 75

Origin of 5alpha-pregnane-3alpha,20alpha,21-triol 3-sulphate in pregnant women. Baillie TA, et al. **FEBS Lett** 60(1):145–8, 1 Dec 75

Nutritional and metabolic interrelationships among sulfur compounds in avian nutrition. Baker DH. **Fed Proc** 35(8):1917–22, Jun 76

Formation of sulphate, sulphite and S-sulphocysteine by the fungus Microsporum gypseum during growth on cystine. Kunert J. **Folia Microbiol (Praha)** 20(2):142–51, 1975

Oral administration of radioactive sulfate to measure extracellular fluid space in man. Bauer JH. **J Appl Physiol** 40(4):648–50, Apr 76

Sulfate-reducing pathway in Escherichia coli involving bound intermediates. Tsang ML, et al. **J Bacteriol** 125(3):923–33, Mar 76

Biochemical studies on sulfate-reducing bacteria. XIV. Enzyme levels of adenylylsulfate reductase, inorganic pyrophosphatase, sulfite reductase, hydrogenase, and adenosine triphosphatase in cells grown on sulfate, sulfite, and thiosulfate. Kobayashi K, et al. **J Biochem (Tokyo)** 78(5):1079–85, Nov 75

Interaction of the fluorescent probe, 1-anilino-8-napthalene sulfonate, with the sulfate transport system of Ehrlich ascites tumor cells. Levinson C, et al. **J Cell Physiol** 86(1):143–54, Aug 75

The interaction of chloride with the sulfate transport system of Ehrlich ascites tumor cells. Levinson C. **J Cell Physiol** 87(2):235–44, Dec 75

Chemical modification of membrane proteins in relation to inhibition of anion exchange in human red blood cells. Zaki L, et al. **J Cell Physiol** 86(3 Pt 1):471–94, Dec 75

The removal of sulphate by the excretory apparatus of the blowfly Calliphora vomitoria. Knowles G. **J Exp Biol** 63(1):237–48, Aug 75

Identification of nonsense mutations in the cysJ gene of Salmonella typhimurium. Loughlin RE. **J Gen Microbiol** 95(1):186–7, Jul 76

Competition for sulphate during detoxification in the gut wall. Bennett PN, et al. **Nature** 258(5532):247–8, 20 Nov 75

Dissociated cultures of newborn mouse brain. I. Metabolism of sulfated lipids and mucopolysaccharides. Wiesmann UN, et al. **Neurobiology** 5(6):305–15, Dec 75

Replacing dietary methionine and cystine in chick diets with sulfate or other sulfur compounds. Anderson JO, et al. **Poult Sci** 54(4):1122–8, Jul 75

Relation between methionine and inorganic sulphate in broiler rations. Van Weerden EJ, et al. **Poult Sci** 55(4):1476–81, Jul 76

Absorption of sulfate ions in the rat lung. Charles JM, et al. **Res Commun Chem Pathol Pharmacol** 12(2):389–96, Oct 75

[Rearing of a biotype of Myzus persicae Sulzer on synthetic media. III. Respective nutritive value of L-methionine, L-cysteine and sulfates] Massonie G. **Ann Nutr Aliment** 29(1):45–50, 1975 (Eng. Abstr.) **(Fre)**

[Comparison of the digestive utilization of methionine, of its hydroxylated analog, and of sodium sulfate in goats using 35s compounds] Champredon C, et al. **C R Acad Sci [D] (Paris)** 282(8):743–6, 23 Feb 76 (Eng. Abstr.) **(Fre)**

[Meiogenic function of follicular fluid. Gonadotropins and labeling with Na2 35SO4 in follicular cells and ovocytes in immature mice] Moricard R. **C R Soc Biol (Paris)** 169(2):278–82, 1975 (Eng. Abstr.) **(Fre)**

[Radioactive labeling of mouse adrenal cortex for study of steroid sulfation in inner cortex zone] Garweg G, et al. **Acta Histochem (Jena)** SUPPL 13:177–83, 1973 **(Ger)**

[Biochemical changes of enzymes and metabolites in the human articular cartilage of various age groups] Heilmann HH, et al. **Beitr Orthop Traumatol** 22(10):531–4, Oct 75 **(Ger)**

[Metabolite transport in submitochondrial particles] Prezioso G, et al. **Boll Soc Ital Biol Sper** 52(6):449–54, 30 Mar 76 **(Ita)**

[Fractionation of stable sulfur isotopes during microbiological processes in Slavyansk lakes] Chebotarev EN, et al. **Mikrobiologiia** 44(2):304–8, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Peculiarities of the distribution of sulfated carbohydrate-containing biopolymers in the glands of the mucous membrane of the larynx] Sichevoĭ VP, et al. **Zh Ushn Nos Gorl Bolezn** (2):81–2, Mar-Apr 76 **(Rus)**

[Sulfatemia and clearance of anorganic sulfate in a control group] Popadić M, et al. **Med Arh** 29(1):19–21, Jan-Feb 75 **(Ser)**

PHARMACODYNAMICS

Light and electron microscopic study of the effects of ZnSO4 on mouse nasal respiratory epithelium and subsequent responses. Matulionis DH. **Anat Rec** 183(1):63–82, Sep 75

Effects of sulphate-limited growth in continuous culture on the electron-transport chain and energy conservation in Escherichia coli K12. Poole RK, et al. **Biochem J** 152(3):537–46, Dec 75

The stimulation of liver phosphorylase b by AMP, fluoride and sulfate. A technical note on the specific determination of the a and b forms of liver glycogen phosphorylase. Stalmans W, et al. **Eur J Biochem** 54(2):341–50, Jun 75

Effects of sulfate concentration, electroendosmotic flow, and electrical resistance of agars and agaroses on counterimmunoelectrophoresis with adenovirus antigens and antisera. Herholzer JC. **J Immunol Methods** 11(1):63–76, 1976

Activity of L-cysteinesulfinate carboxy-lyase and persulfurase in livers of rats fed different levels of sulfate and cysteine. Whittle BA, et al. **J Nutr** 106(4):537–42, Apr 76

The effect of central nervous system narcosis on the sympathetic response to stress. Taylor JW, et al. **J Surg Res** 20(4):313–20, Apr 76

Chromosome analyses in cell cultures of the Chinese hamster after application of cadmiumsulphate. Röhr G, et al. **Mutat Res** 40(2):125–30, Apr 76

The effect of dietary molybdenum and sulphate on plasma copper distribution in sheep. Bremner I. **Proc Nutr Soc** 35(1):21A–22A, May 76

The influence of dietary sulphate on the toxicity of lead to sheep. Morrison JN, et al. **Proc Nutr Soc** 34(2):77A–78A, Sep 75

Effects of high intakes of dietary sodium sulphate and sodium chloride on voluntary food intake of rats. Upton PK, et al. **Proc Nutr Soc** 35(1):20A–21A, May 76

Salts affecting microorganisms of certain soils. El-Shinnawi MM. **Zentralbl Bakteriol [Naturwiss]** 130(4):387–94, 1975

[The relationship between the conception of the role of histones in the mutagenic process and the combined effect of trichloracetic acid and dimethylsulfate on Arabidopsis] Plotnikov VA, et al. **Tsitol Genet** 10(1):35–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

POISONING

[Poisoning due to copper sulfate, Clinical contribution] Pelosi G, et al. **Minerva Anestesiol** 42(6):470–5, Jun 76 **(Ita)**

TOXICITY

A defensible maximum for inorganic sulfate in drinking water of cattle. Digesti RD, et al. **J Anim Sci** 42(6):1498–502, Jun 76

Proceedings: From sulfur to sulfate: ancient and recent considerations. Battigelli MC, et al. **J Occup Med** 18(5):334–41, May 76

URINE

Determination of inorganic sulfate in urine by atomic absorption spectroscopy. Meyer JL, et al. **Biochem Med** 12(4):398–400, Apr 75

Degree of sulfation in mucopolysaccharide sulfates in normal and stone-forming urines. Foye WO, et al. **Invest Urol** 14(1):33–7, Jul 76

Growth and urinary metabolic excretion of pre-school children. Rajatasilpin A, et al. **J Med Assoc Thai** 58(10):515–9, Oct 75

SULFATHIAZOLES

Changes in the particle size distribution during tableting of sulphathiazole powder. Carless JR, et al. **J Pharm Pharmacol** 28(1):17–22, Jan 76

The crystallization behaviour of sulphathiazole. Jordan D, et al. **J Pharm Pharmacol** 28(5):410–4, May 76

Succinylsulfathiazole crystal forms. II: Effect of additives on kinetics of interconversion. Ebian AR, et al. **J Pharm Sci** 64(9):1481–4, Sep 75

Succinylsulfathiazole crystal forms. III: Crystal growth studies. Moustafa MA, et al. **J Pharm Sci** 64(9):1485–9, Sep 75

Effect of polyethylene glycol 4000 on dissolution properties of sulfathiazole polymorphs. Niazi S. **J Pharm Sci** 65(2):302–4, Feb 76

Dissolution rates of high energy sulfathiazole—povidone coprecipitates II: characterization of form of drug controlling its dissolution rate via solubility studies. Simonelli AP, et al. **J Pharm Sci** 65(3):355–61, Mar 76

Proceedings: A study of the in vitro dissolution behaviour of different brands of sulphathiazole tablets and tetracycline hydrochloride capsules. York P. **West Afr J Pharmacol Drug Res** 2(1):91P, Dec 74

BLOOD

Binding of salicylate and sulfathiazole by whole blood constituents. Cruze CA, et al. **J Pharm Sci** 65(1):33–7, Jan 76

CHEMICAL SYNTHESIS

[Sulfonamides. III. Sulfathiazole derivatives of pyrazole and pyrazolone-5] Wrzeciono U, et al. **Acta Pol Pharm** 32(4):405–11, 1975 (Eng. Abstr.) **(Pol)**

METABOLISM

Dynamic permeation. Note II - Evaluation of the interaction of pectin with some pharmaceuticals. Bottari F, et al. **Boll Chim Farm** 115(2):113–22, Feb 76

Measurement of sulfamethizole clearance rate by nonthrombogenic constant blood-withdrawal system. Kowarski CR, et al. **J Pharm Sci** 65(3):450–2, Mar 76

PHARMACODYNAMICS

[Resistance to antibiotics such as furazolidone and sulfathiazole of S. typhimurium and S. enteritidis strains isolated from humans and animals in 1960–1973] Lalko J. **Med Dosw Mikrobiol** 27(3):215–22, 1975 (Eng. Abstr.) **(Pol)**

[Effect of tween-80 on the absorption and acetylation of norsulfazole] Makarov VA, et al. **Farmatsiia** 24(4):33–4, Jul–Aug 75 **(Rus)**

[Sensitivity of dysentery bacteria to furazolidone and phthalazol according to the materials of medical epidemiological station of Odessa-Kishinev railroad] Lazareva ZA, et al. **Lab Delo** (2):101–2, 1976 **(Rus)**

THERAPEUTIC USE

The effect of sulfonamides on pain and swelling following removal of ectopic third molars. MacGregor AJ, et al. **Int J Oral Surg** 4(5):184–90, Oct 75

[Treatment of the vaginal purulent bacterial discharge with sulphonamides (author's transl)] Presl J, et al. **Cesk Gynekol** 40(9):663–5, Nov 75 (Eng. Abstr.) **(Cze)**

URINE

Pharmacokinetic analysis of renal handling of sulfamethizole. Hori R, et al. **J Pharm Sci** 65(3):463–5, Mar 76

SULFATIDES

Sulfatides of Mycobacterium tuberculosis: the structure of the principal sulfatide (SL-I). Goren MB, et al. **Biochemistry** 15(13):2728–35, 29 Jun 76

ANALYSIS

Sulfated glycolipids in ciliary body epithelium. Bentley JP, et al. **Invest Ophthalmol** 15(7):575–9, Jul 76

BIOSYNTHESIS

The effects of phenylketonuric and other metabolites on sulfated galactocerebroside synthesis in vivo and in culture. Sprinkle TJ, et al. **J Neurochem** 26(3):499–504, Mar 76

METABOLISM

Sulphogalactolipid sulphohydrolase activity of arylsulphatase purified from a marine gastropod Charonia lampas. Hatanaka H, et al. **Biochim Biophys Acta** 438(1):176–85, 7 Jun 76

DNA, ganglioside and sulfatide in brains of rats given corticosterone in infancy, with an estimate of cell loss during development. Howard E, et al. **Brain Res** 92(1):73–87, 4 Jul 75

The sulfatides and some histochemical correlations of the lachrymal glands involved in salt secretion in Chelonia. Bolognani L, et al. **J Exp Zool** 195(2):179–90, Feb 76

Enhancement of sulphatide metabolism in the hypertrophied kidney of C3H/He mouse with reference to [Na+, K+]-dependent ATPase. Umeda T, et al. **Jpn J Exp Med** 46(1):87–94, Feb 76

A model for opiate-receptor interactions: mechanism of opiate-cerebroside sulfate interaction. Cho TM, et al. **Life Sci** 18(2):231–44, 15 Jan 76

H3-cerebroside sulfate re-distribution induced by cation, opiate or phosphatidyl serine. Cho TM, et al. **Life Sci** 19(1):117–23, 1 Jul 76

[Proceedings: Sulfatide catabolism in the myelin sheath of the brain of white mice with experimental phenylalaninemia] Hirano S, et al. **J Physiol Soc Jpn** 36(8–9):295, 1 Sep 74 **(Jpn)**

[The intensity of cerebral sulfatide and cerebroside metabolism under normal conditions following haloperidol administration] Chaeva LS. **Nerv Sist** 15:101–7, 1975 **(Rus)**

PHARMACODYNAMICS

Prevention of phagosome-lysosome fusion in cultured macrophages by sulfatides of Mycobacterium tuberculosis. Goren MB, et al. **Proc Natl Acad Sci USA** 73(7):2510–4, Jul 76

URINE

Sulfatide excreting heterozygous carrier of juvenile metachromatic leukodystrophy or asymptomatic patient of adult metachromatic leukodystrophy. Harzer K, et al. **Humangenetik** 29(4):299–307, 7 Oct 75

SULFATIDOSIS see **LEUKODYSTROPHY, METACHROMATIC**

SULFATION FACTOR see **SOMATOMEDIN**

SULFHEMOGLOBINEMIA

CHEMICALLY INDUCED

[Formation of sulfhemoglobin using various drugs] Nomura A. **Folia Pharmacol Jpn** 71(4):351–65, May 75 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Sulfhemoglobinemia and methemoglobinemia—uncommon causes of cyanosis. Schmitter CR Jr. **Anesthesiology** 43(5):586–7, Nov 75

METABOLISM

The advantages of a dynamic method used for graphing the oxyhemoglobin dissociation curve of whole blood at pH, pCO2 and chosen temperatures. Methodology and clinical results. Clerbaux T. **Acta Tuberc Pneumol Belg** 66(4–5):346–60, Jul–Oct 75

SULFHYDRASES see under **LYASES**

SULFHYDRYL COMPOUNDS

Circumvention of interference by sulfhydryl compounds in azo dye determination of beta-naphthylamine from synthetic protease substrates. Doebber TW, et al. **Anal Biochem** 70(1):39–44, Jan 76

Mechanism for the interaction of thiols with methylcobalamin. Frick T, et al. **Biochim Biophys Acta** 428(3):808–17, 28 May 76

Is fatty liver induction a general feature of the administration of foreign sulfhydryl compounds? Sabourault D, et al. **Biochim Biophys Acta** 431(2):241–8, 27 May 76

Letter: In vitro detection of nitrosamines and other indirect alkylating agents by reaction with 3,4-dichlorothiophenol in the presence of rat liver microsomes. Preussmann R, et al. **Cancer Res** 36(7 PT 1):2459–62, Jul 76

Deactivation of cyclophosphamide (NSC-26271) metabolites by sulfhydryl compounds. Draeger J, et al. **Cancer Treat Rep** 60(4):355–9, Apr 76

Binding of thiols to microsomal cytochrome P-450. Nastainczyk W, et al. **Chem Biol Interact** 14(3–4):251–63, Aug 76

Chemical modification of proteins. VI. The reaction of N-(p-(2-benzimidazolyl)phenyl)maleimide (BIPM) with the thiol groups of egg albumin. Machida M, et al. **Chem Pharm Bull (Tokyo)** 22(11):2642–9, Nov 74

The use of a cleavable crosslinking reagent to identify neighboring proteins in the 30-S ribosomal subunit of Escherichia coli. Peretz H, et al. **Eur J Biochem** 63(1):83–92, 16 Mar 76

Role of sulfhydryl group in the structure and function of alkaline proteases from a thermophilic actinomycete, Streptomyces rectus var. proteolyticus. Mizusawa K, et al. **Experientia** (26):61–6, 1976

Charge—transfer interaction involving sulfhydryl groups of bovine serum albumin. Fujimori E. **FEBS Lett** 57(1):37–41, 1 Sep 75

Cytochalasin B reacts with thiols. Lienhard GE, et al. **FEBS Lett** 64(1):69–72, 15 Apr 76

A model compound for nitrosyl cytochrome P-450; further evidence for mercaptide sulfur ligation to heme. Stern JO, et al. **FEBS Lett** 62(3):364–8, 1 Mar 76

The repair, protection and sensitization of papain with respect to inactivation by H2O2 and OH: effects of dithiothreitol, penicillamine, cystine and penicillamine disulphide. Lal M, et al. **Int J Radiat Biol** 28(6):549–64, Dec 75

Letter: Ferrous porphyrin-mercaptide complexes. Models for reduced cytochrome P-450. Chang CK, et al. **J Am Chem Soc** 97(20):5948–50, 1 Oct 75

Letter: Oxygen binding to mercaptide-heme complexes. Models for reduced cytochrome P-450. Chang CK, et al. **J Am Chem Soc** 98(6):1607–9, 17 Mar 76

Reactions of Mo2O42+ with mercaptans and implications for molybdoenzymes. Newton WE, et al. **J Am Chem Soc** 98(17):5387–8, 18Aug 76

The structure of a glyoxalase I inhibitor and its chemical reactivity with SH-compounds. Chimura H, et al. **J Antibiot (Tokyo)** 28(10):743–8, Oct 75

Reaction of 6-amino-1,3-dimethyl-5-nitrosouracil with thiols. Youssefyeh RD. **J Chem Soc [Perkin I]** (19):1857–9, 1975

Synthesis of N-chloroacetyl derivatives of amino acids and their use for the conjugation of polypeptides to thiol-carrying compounds. Moussebois CH, et al. **J Org Chem** 41(8):1340–3, 16 Apr 76

Reduction of malodor by oral cleansing procedures. Tonzetich J, et al. **Oral Surg** 42(2):172–81, Aug 76

Oxidative side reactions during dansylation of SH-compounds. Schulze E, et al. **Hoppe Seylers Z Physiol Chem** 357(2):225–31, Feb 76 (Eng. Abstr.) **(Ger)**

[Changes of ciscoelastic behaviour during curing of polyether rubber impression material] Inoue K, et al. **J Jpn Soc Dent Appar Mater** 17(37):44–50, Jan 76 **(Jpn)**

[Polarographic study of the reaction of vitamin K3 with thiol compounds in aqueous ethanol (author's transl)] Hayakawa Y, et al. **J Pharm Soc Jpn** 95(10):1173–8, Oct 75 (Eng. Abstr.) **(Jpn)**

[Role of protein sulfhydryl groups in the reaction of early avian embryos to temperature influences] Zusman IN, et al. **Arkh Anat Gistol Embriol** 68(5):38–40, May 75 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

On the 4'-phosphopantetheine content of chicken and rat liver fatty acid synthetases. Arslanian MJ, et al. **J Biol Chem** 251(10):3194–6, 25 May 76

ANALYSIS

Estimation of labile sulfide in iron–sulfur proteins. Suhara K, et al. **Anal Biochem** 68(2):632–6, Oct 75

Determination of hydrogen sulfide and methyl mercaptan in mouth air at the parts-per-billion level by gas chromatography. Blanchette AR, et al. **Anal Chem** 48(4):729–31, Apr 76

A reporter group delivery system with both absolute and selective specificity for thiol groups and an improved fluorescent probe containing the 7-nitrobenzo-2-oxa-1,3-diazole moiety. Stuchbury T, et al. **Biochem J** 151(2):417–32, Nov 75

4,4'-Dinitrodiphenyldisulfides of different charge type as probes for the electrostatic environment of sulfhydryl groups. Legler G. **Biochim Biophys Acta** 405(1):136–43, 9 Sep 75

Microheterogeneity in porcine pancreatic amylase preparations due to disulfide-sulfhydryl exchange. Telegdi M, et al. **Biochim Biophys Acta** 429(3):860–9, 13 May 76

Sulfhydryl groups on the spermatozoa membrane. A study with a new fluorescent probe for SH groups. Mercado E, et al. **Biol Reprod** 14(5):632–40, Jun 76

Localizing -SH groups in monoaminergic synaptic vesicles with the mixture of zinc iodide-osmium tetroxide (ZIO). de Iraldi AP. **Brain Res** 94(3):363–7, 5 Sep 75

Paramagnetic and fluorescent probes attached to 'buried' sulfhydryl groups in human carbonic anhydrases. Application to inhibitor binding, denaturation and refolding. Carlsson U, et al. **Eur J Biochem** 52(1):25–36, 3 Mar 75

A correlative study of the cytomorphologic and

cytochemical changes accompanying maturation and growth in the human vaginal epithelium. Malvi SG, et al. **Indian J Med Res** 63(2):220–8, Feb 75

Sulphydryl and disulphide groups in normal and irradiated epidermis. Frasch AC, et al. **Int J Radiat Biol** 29(4):301–9, Apr 76

Application of tributyltin chloride to the separation and column chromatography of thiols. Wroński M. **J Chromatogr** 117(1):47–52, 4 Feb 76

Volatile sulfur compounds contributing to meat flavour. Part. I. Components identified in boiled meat. Garbusov V, et al. **Nahrung** 20(3):235–41, 1976

[Microinterferometric demonstration of sulfhydryl groups with 1-(4-chlormercuri-phenylazo)-beta-naphtol] Schiller E. **Verh Anat Ges** 69:249–57, 1975 (Eng. Abstr.) **(Ger)**

[Determination of sulphydryl and disulphide groups in proteins by amperometric titration. III. Investigation of the specifity of Ag+ ions for protein SH groups (author's transl)] Hofmann K, et al. **Z Lebensm Unters Forsch** 159(4):205–12, 24 Nov 75 **(Ger)**

[Hemoglobin of adult chickens. Non-reactive sulfhydryl groups of the minor fraction] Cirotto C, et al. **Boll Soc Ital Biol Sper** 51(19):1318–20, 15 Oct 75 **(Ita)**

[Aspartate aminotransferase from chicken heart cytosol. Characterization of SH-groups] Kochkina VM, et al. **Biokhimiia** 40(4):812–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The relationship between the high embryonic mortality in swine and the heterogeneity of embryos of the same generation in RNA and SH-group content] Kvasnyts'kyĭ OV, et al. **Fiziol Zh** 21(5):642–8, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Dynamics of the tissue sulfhydryl group content in fetuses] Bobik IuIu, et al. **Pediatr Akush Ginekol** (4):42–4, Jul–Aug 75 **(Ukr)**

BIOSYNTHESIS

Formation of sulfhydryl groups in the walls of Eimeria stiedai and E. tenella oocysts subjected to in vitro excystation. Jolley WR, et al. **J Parasitol** 62(2):199–202, Apr 76

BLOOD

Protein sulphydryl depression during adjuvant arthritis. Lorber A, et al. **Ann Rheum Dis** 34(4):346–9, Aug 75

The relationship between GSH, GSSG and non-GSH thiol in GSH-deficient erythrocytes from Finnish landrace and Tasmanian merino sheep. Young JD, et al. **Biochim Biophys Acta** 404(1):124–31, 8 Sep 75

Surface sulphydryl groups and hexose monophosphate pathway activity in resting human polymorphonuclear leucocytes. Tsan MF, et al. **Br J Haematol** 33(2):205–11, Jun 76

Serum sulphydryl levels in rheumatoid patients treated with alclofenac. Evans PH. **Curr Med Res Opin** 3(5):268–75, 1975

Labile sulfur in human Superoxide dismutase. Calabrese L, et al. **Eur J Biochem** 56(1):305–9, 1 Aug 75

A clinico-biochemical study of phosphohexose-isomerase, aliesterase and sulfhydryl group, in 25 normal and 35 cancer suspects. Vaid P, et al. **Indian J Cancer** 11(4):448–56, Dec 74

Level of SH groups in paraproteinemic sera. Tichý M, et al. **Neoplasma** 22(5):531–4, 1975

[Sulfhydryl group content in the erythrocytes of workers in contact with carbon disulfide in the manufacturing process] Tereshchenko IuA, et al. **Gig Tr Prof Zabol** (7):54–5, Jul 76 **(Rus)**

[Nucleic acids and sulfhydryl compounds in neurocirculatory dystonia of the cardiac type] Selivonenko VG. **Vrach Delo** (2):30–2, Feb 76 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis of 3-substituted thieno [2, 3-d] pyrimidin-4(3H)-one-2-mercaptoacetic acids and their ethyl esters for pharmacological screening. Devani MB, et al. **J Pharm Sci** 65(5):660–4, May 76

ISOLATION & PURIFICATION

A rapid and specific method for isolation of thiol-containing peptides from large proteins by thiol-disulfide exchange on a solid support. Egorov TA, et al. **Proc Natl Acad Sci USA** 72(8):3029–33, Aug 75

METABOLISM

Biochemical properties of 5-sulfur-substituted pyrimidine nucleosides and nucleotides. Bardos TJ, et al. **Ann NY Acad Sci** 255(751106–751230–2):522–31, 8 Aug 75

Alterations of fast-reacting sulfhydryl groups of rat brain microsomes by ethanol. Dinovo EC, et al. **Biochem Biophys Res Commun** 68(3):975–81, 9 Feb 76

Energy-dependent variation of thiol groups reactivity or accessibility in rat liver mitochondria, revealed by measurements of labelled thiol reagents incorporation. Le Quoc D, et al. **Biochem Biophys Res Commun** 68(1):106–13, 12 Jan 76

Interaction between nonsteroidal anti-inflammatory drugs and biological membranes-IV. Effects of nonsteroidal anti-inflammatory drugs and of various ions on the availability of sulfhydryl groups on lymphoid cells and mitochondrial membranes. Famaey JP, et al. **Biochem Pharmacol** 24(17):1609–15, 1 Sep 75

Aromatic methyl migration by iron-thiol and hemin-thiol systems. Sakurai H, et al. **Biochem Pharmacol** 24(17):1647–50, 1 Sep 75

Effect of ligands on the reactivity of essential sulfhydryls in brain hexokinase. Possible interaction between substrate binding sites. Redkar VD, et al. **Biochemistry** 14(21):4704–12, 21 Oct 75

Importance of SH groups in catalysis by bovine brain acid phosphatase. Bittencourt HM, et al. **Biochim Biophys Acta** 438(1):153–8, 7 Jun 76

The glutathione and thiol content of mammalian spermatozoa and seminal plasma. Li TK. **Biol Reprod** 12(5):641–6, Jun 75

Surface sulphydryl groups and phagocytosis-associated oxidative metabolic changes in human polymorphonuclear leucocytes. Tsan MF, et al. **Br J Haematol** 33(2):189–204, Jun 76

Thiol synthesis by halophilic bacteria indigenous in a coastal lagoon. Blevins WL, et al. **Bull Environ Contam Toxicol** 15(3):330–4, Mar 76

Uptake of partially thiolated DNA by ascites tumor cells. Paffenholz V, et al. **Cancer Res** 36(4):1445–52, Apr 76

Phenol hydroxylase from yeast. Sulfhydryl groups in phenol hydroxylase from Trichosporon cutaneum. Neujahr HY, et al. **Eur J Biochem** 58(2):351–7, 15 Oct 75

Role of sulfhydryl groups in the formation of a hereditary cataract in the rat. Takemoto LJ, et al. **Exp Eye Res** 20(1):1–13, Jan 75

The effect of ATP upon the reactivity of SH groups in sarcoplasmic reticulum membranes. Martonosi A. **FEBS Lett** 67(2):153–5, 15 Aug 76

Sulphydryl groups in photosynthetic energy conservation: further evid3nce of vicinal dithiols involvement shown by light-dependent effects of o-iodosobenzoate. Vallejos RH, et al. **FEBS Lett** 61(1):95–9, 01 Jan 76

Conformational differences in myosin, IV.[1-3] Radioactive labeling of specific thiol groups as influenced by ligand binding. Schaub MC, et al. **Hoppe Seylers Z Physiol Chem** 356(3):325–39, Mar 75

Reactivity of the essential SH-group of thiol-enzymes: ion-pair formation as a source of the enhanced nucleophilicity. pp. 43–9. Polgár L. **In: Keleti T. ed. Mechanism of action and regulation of enzymes. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.32.**

Dose-response relationships in cadmium exposure: influence of cadmium administration of SH-group concentration in a protein fraction from tissues of mice. pp. 386–91. Wada O, et al. **In: Nordberg GF, ed. Effects and dose-response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974.**

A proteus inconstans which produces 'cabbage odour' in the spoilage of vacuum-packed sliced bacon. Gardner GA, et al. **J Appl Bacteriol** 39(3):263–71, Dec 75

Relationship between the structures of S-acyl thiol compounds and their rates of hydrolysis by pancreatic lipase and hepatic carboxylic esterase. Kurooka S, et al. **J Biochem (Tokyo)** 79(3):533–41, Mar 76

Chemical modification of the Ca2+-dependent ATPase of sarcoplasmic reticulum from skeletal muscle. I. Binding of N-ethylmaleimide to sarcoplasmic reticulum: evidence for sulfhydryl groups in the active site of ATPase and for conformational changes induced by adenosine tri- and diphosphate. Yoshida H, et al. **J Biochem (Tokyo)** 79(3):649–54, Mar 76

Sulphydryl groups and GABA uptake in slices of rat cerebral cortex. Phillips DI, et al. **J Neurochem** 25(3):359–61, Sep 75

Membrane SH-groups related to adrenaline action in rat adipocytes: a comparative study using sulfhydryl reagents of different molecular size. Kather H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):177–82, 25 Feb 76

A comparative study of skeletal and cardiac tropomyosins: subunits, thiol group content and biological activities. Leger J, et al. **Pfluegers Arch** 362(3):271–7, 6 Apr 76

Reciprocal reactivities of specific thiols when actin binds to myosin. Duke J, et al. **Proc Natl Acad Sci USA** 73(2):302–6, Feb 76

Endogenous biochemical factors affecting the efficiency of some radioprotective or radiosensitizing drugs: sulfhydryl groups and lipid peroxides. Păuşescu E, et al. **Strahlentherapie** 151(1):88–95, Jan 76

Vinyl chloride-induced depression of hepatic non-protein sulfhydryl content and effects on bromosulphalein (BSP) clearance in rats. Watanabe PG, et al. **Toxicology** 6(1):1–8, Jun 76

Calcium sensitivity of actomyosin ATPase: its modification by substitution of myosin sulfhydryl groups. Dancker P. **Z Naturforsch [C]** 30(5):586–92, Sep–Oct 75

Reactions of essential sulfhydryl residues of dehydrogenases with nicotinamide-(S-methylmercury-thioinosine) dinucleotide. Woenckhaus C, et al. **Z Naturforsch [C]** 30(5):562–4, Sep–Oct 75

[Comparison of the digestive utilization of methionine, of its hydroxylated analog, and of sodium sulfate in goats using 35s compounds] Champredon C, et al. **C R Acad Sci [D] (Paris)** 282(8):743–6, 23 Feb 76 (Eng. Abstr.) **(Fre)**

[Histochemical research on protein sh groups in the region of the side roots of Vicia faba L. (author's transl)] Milowska J. **Ann Univ Mariae Curie Sklodowska [Med]** 29:273–6, 1974 (Eng. Abstr.) **(Pol)**

[Incorporation of low molecular SH-containing compounds in nitrosyl complexes of nonheme iron in cell-free and cell preparations] Vanin AF, et al. **Biofizika** 20(6):1068–72, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Change in the sulfhydryl gorup content of crab nerves during different regimes of thythmical stimulation] Batyreva RG, et al. **Biol Nauki** (6):42–5, 1975 **(Rus)**

[Blood proteins, thiol group metabolism and testosterone content in prostatic dysfunction] Novikova NV, et al. **Probl Endokrinol (Mosk)** 22(2):99–103, 1976 (Eng. Abstr.) **(Rus)**

[Role of endogenous thiols in determining the radioresistance of E. coli B cultures at different growth phases] Konstantinova MM. **Radiobiologiia** 15(3):360–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Character of neuronal functional associations according to the content of RNA and SH-groups in the cat cerebral cortex] Khusainova IS, et al. **Tsitologiia** 17(11):1289–93, Nov 75 (Eng. Abstr.) **(Rus)**

[Sulfhydryl groups in the elements of pigmented nevi and malignant melanomas of the skin in man] Avtandilov GG, et al. **Vopr Onkol** 22(2):9–12, 1976 (Eng. Abstr.) **(Rus)**

[Morphological and histochemical changes in the splenic artery in hypertensive disease] Zakharenko VV. **Vrach Delo** (2):54–7, Feb 74 (Eng. Abstr.) **(Rus)**

[Effect of propylthiouracil on fractions of SH-substances in the rat thyroid gland (author's transl)] Sedlák J, et al. **Bratisl Lek Listy** 65(1):95–100, Jan 76 (Eng. Abstr.) **(Slo)**

[Changes in the content of sulphydryl groups in rat tissues under the effect of muscular activity] Radzievs'kiĭ OR, et al. **Ukr Biokhim Zh** 48(1):48–50, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Irritancy of cyclophosphamide-derived aldehydes (acrolein, chloracetaldehyde) and their effect on lymphocyte distribution in vivo: protective effect of thiols and bisulphite ions1). Whitehouse M, et al. **Agents Actions** 5(5):541–8, Dec 75

Polynucleotides containing 5-mercapto-substituted pyrimidines: inhibition of viral DNA polymerases and the biological implication. Chandra P, et al. **Ann NY Acad Sci** 255(751106–751230–2):532–43, 8 Aug 75

The coupling effects of some thiol and other sulfur-containing compounds on the circadian rhythm of cell division in photosynthetic mutants of Euglena. Edmunds LN Jr, et al. **Arch Microbiol** 108(1):1–8, 3 May 76

Alkylthiolation. Evidence for involvement in cell division. Toohey JI, et al. **Biochem Biophys Res Commun** 70(4):1275–82, 21 Jun 76

Action of methanethiol on membrane (Na+ , K+)-ATPase of rat brain. Quarfoth G, et al. **Biochem Pharmacol** 25(9):1039–44, 1 May 76

Effects of pH and thiols on the kinetics of yeast glyoxalase I. An evaluation of the random pathway mechanism. Vander Jagt DL, et al. **Biochemistry** 14(16):3669–75, 12 Aug 75

Inhibition of peptide chain initiation in lysates from ATP-depleted cells.I. Stages in the evolution of the lesion and its reversal by thiol compounds, cyclic AMP or purine derivatives and phosphorylated sugars. Giloh H, et al. **Biochim Biophys Acta** 414(3):293–308, 19 Dec 75

The effect of sulphydryl compounds and cross linking agents on the viscous and viscoelastic properties of mucus. Davis SS, et al. **Biorheology** 12(3–4):225–32, Jun 75

Effects of sulphydryl compounds on abnormal red cell pyruvate kinase. Zanella A, et al. **Br J Haematol** 32(3):373–85, Mar 76

Specific inhibition of sclerotium formation by 2-mercaptoethanol and related sulfhydryl compounds in Sclerotium rolfsii. Christias C. **Can J Microbiol** 21(10):1541–7, Oct 75

The effect of oral doses of a polythiol resin on the excretion of methylmercury in mice treated with cysteine, D-penicillamine or phenobarbitone. Magos L, et al. **Chem Biol Interact** 14(3–4):325–35, Aug 76

Tne mechanism of action of the thioureylene antithyroid drugs. Taurog A. **Endocrinology** 98(4):1031–46, Apr 76

Effect of age and -SH active groups on the activity of some enzymes involved in the carbohydrate metabolism. Bartoc R, et al. **Exp Gerontol** 10(3–4):161–4, Aug 75

Gluconeogenesis and ammoniagenesis in rat kidney: effect of 3-mercaptopicolinic acid. Bennett FI, et al. **FEBS Lett** 65(2):215–9, 1 Jun 76

Levels of norepinephrine in rat cerebellum after administration of the convulsant 3-mercaptopropionic acid. Rodríguez de Lores Arnaiz G, et al. **Int J Neurosci** 6(6):269–71, 1976

Relative reactivities of sulfhydryl groups with N-acetyl dehydroalanine and N-acetyl dehydroalanine methyl ester. Snow JT, et al. **Int J Pept Protein Res** 8(1):57–64, 1976

Proceedings: Involvement of sulfhydryl groups in the virus-induced cell fusion process. Michaeli D, et al. **Isr J Med Sci** 11(11):1185–6, Nov 75

Requirement of an essential thiol group and ferric iron for the activity of the progesterone-induced porcine uterine purple phosphatase. Schlosnagle DC, et al. **J Biol Chem** 251(15):4680–5, 10 Aug 76

Biosynthesis and operating mechanism of estrogens in ovariectomized animals under the effect of -SH groups. Moldoveanu E, et al. **Mech Ageing Dev** 4(5–6):423–9, Sep–Dec 75

Neuropharmacological effects induced by butanol,

4-hydroxybutyrate, 4-mercaptobutyric acid thiolactone, tetrahydrofuran, pyrrolidine, 2-deoxy-d-glucose and related substances in the rat. Marcus RJ, et al. **Neuropharmacology** 15(1):29-38, Jan 76

Optimal conditions for the use of sulphydryl compounds in dissociating red cell antibodies. Freedman J, et al. **Vox Sang** 30(3):231-9, 1976

Reversal of dibromothymoquinone inhibition of photosynthetic electron flow by thiol compounds. Reimer S, et al. **Z Naturforsch [C]** 31(1-2):103, Jan-Feb 76

[The extrathyroid effect of methylmercaptoimidazole. The effect of methylmercaptoimidazole on the isoenzyme distribution of tissue aspartate transaminase in thyroidectomized guinea pigs] Kryshkova AM. **Probl Endokrinol (Mosk)** 22(3):89-91, May-Jun 76 (Eng. Abstr.) **(Rus)**

[Development of the optimal technology for 2-mercaptobenzothiazole tablets] Likhoded VA, et al. **Farm Zh** 30(3):63-6, 1975 **(Ukr)**

THERAPEUTIC USE

[Unithiol and mecaptid as antidotes in poisoning with arsenic-containing substances] Miziukova IG, et al. **Vrach Delo** (2):126-9, Feb 74 (Eng. Abstr.) **(Rus)**

TOXICITY

Structure-activity relationships for ulcerogenic and adrenocorticolytic effects of alkyl nitriles, amines, and thiols. Szabo S, et al. **Environ Health Perspect** 11:135-40, Jun 75

Analyses of radioprotective action and cytotoxicity of various sulfhydryl compounds in cultured mouse L cells. Hikita M, et al. **J Radiat Res (Tokyo)** 16(3):162-72, Sep 75

Acute systemic toxicity of pure dimercaprol and trimercaptopropane. Zvirblis P, et al. **Toxicol Appl Pharmacol** 36(2):297-9, May 76

URINE

Beta-mercaptolactate cysteine disulphiduria in a mentally retarded Scottish male. Law EA, et al. **J Ment Defic Res** 20(2):99-104, Jun 76

[Identification of two S-containing metabolites of 1-allyl-3,5-diethyl-6-chlorouracil in rabbit urine (author's transl)] Kaul R, et al. **Arzneim Forsch** 26(4):489-99, Apr 76 (Eng. Abstr.) **(Ger)**

SULFHYDRYL REAGENTS

Specificity of ethacrynic acid as a sulfhydryl reagent. Günther T, et al. **Arzneim Forsch** 26(1):13-4, 1976

A reporter group delivery system with both absolute and selective specificity for thiol groups and an improved fluorescent probe containing the 7-nitrobenzo-2-oxa-1,3-diazole moiety. Stuchbury T, et al. **Biochem J** 151(2):417-32, Nov 75

The reaction of sulfhydryl reagents with bovine hepatic monoamine oxidase. Evidence for the presence of two cysteine residues essential for activity. Gomes B, et al. **Biochim Biophys Acta** 438(2):347-57, 8 Jul 76

Sulfhydryl groups on the spermatozoa membrane. A study with a new fluorescent probe for SH groups. Mercado E, et al. **Biol Reprod** 14(5):632-40, Jun 76

Reaction of N-(3-pyrene)maleimide with thiol groups of reticulocyte ribosomes. Lee T, et al. **Eur J Biochem** 66(1):105-14, 15 Jun 76

[SH-group and Mg2+-dependent Ca2+-activated ATPase activity of the microsome fraction of the brain] Alekséénko IR, et al. **Ukr Biokhim Zh** 47(1):49-54, Jan-Feb 75 (Eng. Abstr.) **(Ukr)**

CHEMICAL SYNTHESIS

[Some practical aspects of beta-hydroxyethyl-2, 4-dinitrophenyl-disulfide synthesis (author's transl)] Klimek J, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:131-5, 1975 (Eng. Abstr.) **(Pol)**

METABOLISM

The autoxidation of a thiol agent, methyl phenylazoformate, induced by rat tissue extracts. Jocelyn PC. **Biochem Pharmacol** 25(11):1267-70, 1 Jun 76

PHARMACODYNAMICS

Distinctive alterations of nucleoside, sugar and amino acid uptake of sulfhydryl reagents in cultured mouse cells. Hare JD. **Arch Biochem Biophys** 170(2):347-52, Oct 75

The effect of sulfhydryl reagents on the heart rate and coronary flow of the isolated perfused guinea-pig heart. Gailis L, et al. **Arch Int Pharmacodyn Ther** 218(1):19-28, Nov 75

Energy-dependent variation of thiol groups reactivity or accessibility in rat liver mitochondria, revealed by measurements of labelled thiol reagents incorporation. Le Quoc D, et al. **Biochem Biophys Res Commun** 68(1):106-13, 12 Jan 76

Effects of thiol reagents on virus- and chemically induced fusion of erythrocytes. Hart CA, et al. **Biochem Soc Trans** 3(5):734-6, 1975

Sulphydryl groups in photosynthetic energy conservation. I. Light-dependent inhibition of photophosphorylation by the sulphydryl reagent 2-2'dithio bis-(5-nitropyridine). Andreo CS, et al. **Biochim Biophys Acta** 423(3):590-601, 12 Mar 76

Interaction of a new fluorescent reagent with sulfhydryl groups of the (Na+ + K+)-stimulate ATPase. Harris WE, et al. **Biochim Biophys Acta** 426(2):325-34, 5 Mar 76

Thiols related to mitochondrial ATPase and transports: unmasking upon conformational changes supported by the comparative effects of ethacrynate and dihydroethacrynate. Goldschmidt D, et al. **Biochimie** 58(6):713-22, 1976

Phosphate uptake in Chlorella pyrenoidosa : II. Effect of pH and of SH reagents. Jeanjean R. **Biochimie** 57(10):1229-36, 1975

Influence of group selective reagents in tissues containing alpha- and beta-adrenoceptors. Salman KN, et al. **Eur J Pharmacol** 36(1):41-8, Mar 76

The effect of SH-blocking agents on the p-nitrophenylphosphatase activity of intact Ehrlich ascites tumor cells. Löffler M, et al. **FEBS Lett** 56(1):66-9, 1 Aug 75

Inhibition of capacitation and of the fertilizing capacity of rabbit spermatozoa by blocking membrane sulfhydryl groups. pp. 322-4. Reyes A, et al. **In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.**

The use of sulphydryl reagents to identify proteins undergoing ADP-dependent conformational changes in mitochondrial membrane. pp. 307-13. Vignais PM, et al. **In: Gárdos G, Szász I, ed. Biomembranes: structure and function. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.35.**

A possible involvement of sulfhydryl groups in the conversion of lysine monooxygenase to an oxidase. Yamauchi T, et al. **J Biol Chem** 250(18):7127-33, 25 Sep 75

Biochemical adaptations in cardiac muscle: effects of physical training on sulfhydryl groups of myosin. Bhan A, et al. **J Mol Cell Cardiol** 7(6):435-442, Jun 75

The effect of sulfhydryl reagents on the tityustoxin-induced acetylcholine release in rat brain slices. Oliveira ZE, et al. **J Neurochem** 27(1):43-6, Jul 76

The specificity and sulfhydryl sensitivity of the inositol transport system of the central nervous system. Spector R. **J Neurochem** 27(1):229-36, Jul 76

The role of thiol groups in nucleoside transport. Doskočil J. **Mol Cell Biochem** 10(3):137-43, 25 Feb 76

Membrane SH-groups related to adrenaline action in rat adipocytes: a comparative study using sulfhydryl reagents of different molecular size. Kather H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):177-82, 25 Feb 76

Similarity of acetaldehyde and sulfhydryl reagent actions on the perfused guinea pig heart. Nguyen MH, et al. **Recent Adv Stud Cardiac Struct Metab** 10:53-8, 1975 (22 ref.)

In vitro inhibition of rat liver cholest-5en-3 beta-ol (cholesterol) biosynthesis by non-mercurial sulfhydryl reagents. Abernethy D, et al. **Steroids** 27(3):297-307, Mar 76

Platelet aggregation by thimerosal: role of ADP and SH groups. Leone G, et al. **Thromb Haemostas** 35(1):249-57, 29 Feb 76

[Role of sulfhydryl compound inactivation in the lung tissue in the pathogenesis of pulmonary edema] Baĭmanova KhM, et al. **Fiziol Zh** 22(3):400-5, MAR-APR 76 (Eng. Abstr.) **(Ukr)**

SULFIDES

Dithioacetals of sugars. Wander JD, et al. **Adv Carbohydr Chem Biochem** 32:15-123, 1976 (458 ref.)

Mustelan, the malodorous substance from the anal gland of the mink (Mustela vison) and the polecat (Mustela putorius). Schildknecht H, et al. **Angew Chem [Engl]** 15(4):242-3, Apr 76

Ligand binding of organic sulfides to microsomal cytochrome P-450. Nastainzcyk W, et al. **Eur J Biochem** 60(2):615-20, 15 Dec 75

Letter: Redox properties of copper-thiaether complexes. Comparison to blue copper protein behavior. Dockal ER, et al. **J Am Chem Soc** 98(14):4322-4, 7 Jul 76

Letter: Preparation and reactions of 2-(alkoxy)-1-(alkyl or arylthio)vinyllithium. Application in the synthesis of 9-desoxo-9-thiaprostaglandins. Vlattas I, et al. **J Am Chem Soc** 98(7):2008-10, 31 Mar 76

Letter to the editor: The herbs and the heart. Sebrell WH. **Nutr Rev** 34(6):190, Jun 76

ANALYSIS

Determination of acid-labile sulfide in subchloroplast particles containing Triton X-100. Golbeck JH, et al. **Anal Biochem** 73(2):539-42, Jun 76

Calibration of a turbidimetric assay for sulfide. Kruszyna H, et al. **Anal Biochem** 69(2):643-5, Dec 75

Volatile sulfur compounds contributing to meat flavour. Part. I. Components identified in boiled meat. Garbusov V, et al. **Nahrung** 20(3):235-41, 1976

CHEMICAL SYNTHESIS

Biologically oriented organic sulfur chemistry. 14. Antiinflammatory properties of some aryl sulfides, sulfoxides, and sulfones. Brannigan LH, et al. **J Med Chem** 19(6):798-802, Jun 76

Organic disulfides and related substances. 38. Some disulfide and trisulfide sulfinate salts as antiradiation drugs. Srivastava PK, et al. **J Med Chem** 18(8):798-802, Aug 75

[Synthesis of amidinobenzylaryl sulfides and sulfones and N-amidinobenzyl-N-aryl- and N-amidinobenzyl-N-aralkylamines] Wagner G, et al. **Pharmazie** 31(3):158-62, 1976 **(Ger)**

ISOLATION & PURIFICATION

Cyclic polysulfides from the red alga Chondria californica. Wratten SJ, et al. **J Org Chem** 41(14):2465-7, 9Jul 76

METABOLISM

Reduction of tetrathionate, trithionate and thiosulphate, and oxidation of sulphide in proteus mirabilis. Oltmann LF, et al. **Arch Microbiol** 105(2):135-42, 27 Oct 75

The effect of molybdenum on the conversion of sulphate to sulphide and microbial-protein-sulphur in the rumen of sheep. Gawthorne JM, et al. **Br J Nutr** 35(1):11-23, Jan 76

Product analysis of bisulfite reductase activity isolated from Desulfovibrio vulgaris. Drake HL, et al. **J Bacteriol** 126(2):733-8, May 76

Iron--sulfur proteins of Entamoeba histolytica. Wienbach EC, et al. **J Parasitol** 62(1):127-8, Feb 76

Sulfide reduction in fellmongery effluent by red sulfur bacteria. Cooper DE, et al. **J Water Pollut Control Fed** 47(8):2088-100, Aug 75

[Growth and oxidation of sulfur compounds by Thiocapsa roseopersicina in darkness] Kondrat'eva EN, et al. **Mikrobiologiia** 44(3):389-94, May-Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inactivation of cathepsin D by dithiophosgene and by 2,2-dichloro-1,3-dithiacyclobutanone. Rakitzis ET, et al. **Biochem J** 153(3):737-9, 1 Mar 76

The effect of thiols on immunologic release of slow reacting substance of anaphylaxis. I. Human lung. Orange RP, et al. **J Immunol** 115(4):1072-7, Oct 75

[Synthetic inhibitors of serine proteinases. 7. Inhibition of trypsin, plasmin and thrombin by amidinobenzylarylsulfides and -sulfones as well as N-(amidinobenzyl)-N-(aryl)- and N-(amidinobenzyl)-N-(arylalkyl)amines] Walsmann P, et al. **Pharmazie** 31(3):170-2, 1976 **(Ger)**

[Inhibiting effects of aromatic sulfides, sulfoxides and sulfones on the biochemical systems of Fasciola hepatica] Benediktov II. **Med Parazitol (Mosk)** 44(4):473-7, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

POISONING

Current concepts about the treatment of selected poisonings: nitrite, cyanide, sulfide, barium, and quinidine. Smith RP, et al. **Annu Rev Pharmacol Toxicol** 16:189-99, 1976 (67 ref.)

Management of acute sulfide poisoning. Effects of oxygen, thiosulfate, and nitrite. Smith RP, et al. **Arch Environ Health** 31(3):166-9, May-Jun 76

THERAPEUTIC USE

[Therapeutic value of the Swoszowice sulfide-hydrogen sulfide waters in the treatment of rheumatic diseases in the light of clinical and biochemical studies] Zielonka E. **Folia Med Cracov** 17(4):443-71, 1975 (Eng. Abstr.) **(Pol)**

[Radioprotective properties of sulfide-containing purine derivatives] Krutovskikh GN, et al. **Radiobiologiia** 15(4):543-6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Mechanical damage to rabbit tracheal epithelium from inhaling inert pyrite dust of needle - like structure. Part I. Konrádová V, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):279-85, 1975

[Influence of oxynide on the reproductive function of animals] Veselova TP, et al. **Veterinariia** (3):82-5, Mar 76 **(Rus)**

URINE

Occurrence of S-methyl thioesters in urines of humans after they have eaten asparagus. White RH. **Science** 189(4205):810-11, 5 Sep 75

SULFINIC ACIDS

Problem of the reactive species from enzymic and chemical oxidations of o-diphenols: anomalies in the trapping of o-quinonoids with benzenesulphinic acid. Davies R, et al. **Biochem Soc Trans** 3(5):671-4, 1975

ANALYSIS

Adjuvant action of garlic sugar solution in animals immunized with Ehrlich ascites tumor cells attenuated with allicin. Nakata T, et al. **Gann** 66(4):417-9, Aug 75

CHEMICAL SYNTHESIS

Organic disulfides and related substances. 38. Some disulfide and trisulfide sulfinate salts as antiradiation drugs. Srivastava PK, et al. **J Med Chem** 18(8):798-802, Aug 75

THERAPEUTIC USE

Studies on the effect of allicin (diallyl disulphide-oxide) on alloxan diabetes. Augusti KT. **Experientia** 31(11):1263-5, 15 Nov 75

Protection by spironolactone and different antidotes against acute organic mercury poisoning of rats. Lehotzky K. **Int Arch Arbeitsmed** 33(4):329-34, 1974

SULFINPYRAZONE

ADVERSE EFFECTS

Abnormalities of urinary sediment and renal failure following sulfinpyrazone therapy. Braun J. **Arch Intern Med** 136(9):1060-1, Sep 76

Acute myelomonocytic leukaemia and multiple myeloma after sulphinpyrazone and colchicine treatment of gout. Witwer MW, et al. **Br Med J** 2(6027):89, 10 Jul 76

ANALYSIS

Quantitative assay of sulphinpyrazone in plasma and urine by high-performance liquid chromatography. Lecaillon JB, et al. **J Chromatogr** 121(2):227-34, 23 JUN 76

METABOLISM

C-glucuronides, a novel type of drug metabolites. Richter WJ, et al. **Helv Chim Acta** 58(8):2512-7, 17 Dec 75

PHARMACODYNAMICS

Pharmacological properties of drug inhibiting platelet aggregation. de Gaetano G. **Acta Clin Belg** 30(3):184-9, 1975 (Eng. Abstr.)

Proceedings: The effect of sulphinpyrazone, sodium aspirin and oxprenolol on the formation of arterial platelet thrombi. Lewis GP, et al. **Br J Pharmacol** 55(2):255P-256P, Oct 75

Proceedings: Modification of the hyperacute reaction in the rat by sulphinpyrazone. Jamieson SW. **Thromb Diath Haemorrh** 34(1):348-9, 30 Sep 75

Proceedings: The effect of sulphinpyrazone (Anturan) on immunologically derived thrombocytopenia and on platelet survival. White AM, et al. **Thromb Diath Haemorrh** 34(2):553-4, 15 Nov 75

The effect of sulfinpyrazone on platelet and pulmonary responses to onset of membrane oxygenator perfusion. Birek A, et al. **Trans Am Soc Artif Intern Organs** 22:94-101, 1976

Platelet release and aggregation induced by antithymocyte globulin. In vitro effect of inhibitors. Rosenberg JC, et al. **Transplantation** 20(4):346-50, Oct 75

THERAPEUTIC USE

Uricosuric activity of suxibuzone, a new phenylbutazone derivative. Erill S, et al. **Arch Farmacol Toxicol** 1(1):43-6, Mar 75

Proceedings: The effect of sulphinpyrazone on the thrombocytopenia occurring in the Arthus reaction. Butler KD, et al. **Br J Pharmacol** 55(2):256P-257P, Oct 75

The role of sulfinpyrazone in the prevention of arterio-venous shunt thrombosis. Kaegi A, et al. **Circulation** 52(3):497-9, Sep 75

Effects of clofibrate and sulfinpyrazone on platelet survival time in coronary artery disease. Steele P, et al. **Circulation** 52(3):473-6, Sep 75

Proceedings: A clinical trial of antiplatelet therapy in patients with coronary arterial disease. Michaels L, et al. **Thromb Diath Haemorrh** 34(2):598-9, 15 Nov 75

Proceedings: The effect of a platelet inhibiting drug (sulfinpyrazone) in the therapy of patients with transient ischemic attacks (Tia's) and minor strokes. Robertson JT, et al. **Thromb Diath Haemorrh** 34(2):598, 15 Nov 75

[Uricosuric agents: Should they be used in asymptomatic hyperuricemia?] Naess K. **Tidsskr Nor Laegeforen** 96(1):45-6, 10 Jan 76 **(Nor)**

SULFISOMIDINE

ANALYSIS

Electrode sensitive to sulfa drugs. Hazemoto N, et al. **J Pharm Sci** 65(3):435-6, Mar 76

SULFISOXAZOLE

ADVERSE EFFECTS

Drug-induced anemia associated with glucose-6-phosphate dehydrogenase deficiency. Meister F, et al. **J Iowa Med Soc** 65(11):465-6, 467-8, Nov 75

METABOLISM

Absorption, distribution and metabolism of sulphafurazole and chloramphenicol in rats with intestinal occlusion. Venho VMK, et al. **Acta Pharmacol Toxicol (Kbh)** 39(1):87-96, Jul 76

Factors influencing absorption and excretion of drugs. IV. Effect of hypertonic and hypotonic solutions on in situ rat intestinal absorption of several drugs. Kojima S, et al. **Chem Pharm Bull (Tokyo)** 23(6):1247-55, Jun 75

Effects of lipids on bioavailability of sulfisoxazole acetyl, dicumarol, and griseofulvin in rats. Bloedow DC, et al. **J Pharm Sci** 65(3):328-34, Mar 76

Saturable first-pass metabolism of sulfisoxazole N1-acetyl in rats. Bloedow DC, et al. **J Pharm Sci** 65(3):334-8, Mar 76

Binding of sulfisoxazole to protein fractions of tears. Chrai SS, et al. **J Pharm Sci** 65(3):437-9, Mar 76

Effect of dioctyl sodium sulfosuccinate and poloxamer 188 on dissolution and intestinal absorption of sulfadiazine and sulfisoxazole in rats. Reddy RK, et al. **J Pharm Sci** 65(1):115-8, Jan 76

PHARMACODYNAMICS

Letter: Interaction of sulfisoxazole and warfarin. Self TH, et al. **Circulation** 52(3):528, Sep 75

The action of gantrisin [N'-(3,4-dimethyl-5-isoxazolyl)sulfanilamide] on the oedema-forming and muscle-stimulating activity of eledoisin and physalaemin. de Caro G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(4):371-80, 1975

[Light microscope and electron microscope studies of sulphafurazole action on 'Chlamydia trachomatis' (author's transl)] Laurans G, et al. **Ann Microbiol (Paris)** 125(4):497-51, May-Jun 74 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Sulfacytine vs. sulfisoxazole for urinary tract infections in an obstetric-gynecologic population. Jensen PA, et al. **Curr Ther Res** 19(6):573-8, Jun 76

Double-blind comparison of sulfacytine, a new sulfonamide, with sulfisoxazole in acute uncomplicated urinary tract infections. Way KE. **Curr Ther Res** 19(2):220-9, Feb 76

Sulfacytine: a new sulfonamide. Double-blind comparison with sulfisoxazole in acute uncomplicated urinary tract infections. Hughes J, et al. **J Urol** 114(6):912-4, Dec 75

Letter: Sulfisoxazole called suboptimal therapy in toxoplasmosis. Frenkel JK. **Neurology (Minneap)** 25(9):899, Sep 75

Sulfacytine in uncomplicated urinary tract infections. Double-blind comparison with sulfisoxazole. Cohen AE. **Urology** 7(3):267-71, Mar 76

SULFITES

Precipitation of phase I antigen of Coxiella burnetii by sodium sulfite. Wachter RF, et al. **Acta Virol (Praha)** 19(6):500, Nov 75

The thermochemical characterization of sodium dithionite, flavin mononucleotide, flavin-adenine dinucleotide and methyl and benzyl viologens as low-potential reductants for biological systems. Watts GD, et al. **Biochem J** 152(1):33-7, Oct 75

The interaction of borate and sulfite with pyridine nucleotides. Johnson SL, et al. **Biochemistry** 15(3):553-9, 10 Feb 76

Beta-Elimination and sulfite addition reaction of chondroitin sulfate peptidoglycan and the peptide structure of the linkage region. Isemura M, et al. **Biochim Biophys Acta** 411(1):11-21, 10 Nov 75

Reaction of uracil and thymine derivatives with sodium bisulfite. Studies on the mechanism and reduction of the adduct. Shapiro R, et al. **Biochim Biophys Acta** 425(1):115-24, 18 Feb 76

The interaction of SO2 with proteins. Eickenroht EY, et al. **Environ Lett** 9(3):265-77, 1975

The properties of sulfite-treated tetanus toxin. Dawson DJ. **FEBS Lett** 56(1):175-8, 1 Aug 75

Reaction of the cytosine nucleus with hydrazine in the presence of bisulphite. Sverdlov ED, et al. **FEBS Lett** 62(2):212-4, 15 Feb 76

The PEKILO process: protein from spent sulfite liquor. pp. 344-56. Romantschuk H. **In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.**

Change in effective pH of salt solutions on freezing, as evidenced by altered reactivities of heme alpha towards carbonyl reagents. Orii Y, et al. **J Biochem (Tokyo)** 77(5):1123-6, May 75

Purine studies. Part XV. Addition of hydrogen sulphite ion to purines. Pendergast W. **J Chem Soc [Perkin I]** (22):2240-3, 1975

A kinetic study of the bisulphite reduction of methionine sulphoxide to methionine. Snow JT, et al. **J Sci Food Agric** 27(7):649-54, Jul 76

Induced formation of covalent bonds between nucleoprotein components. V. UV or bisulfite induced polynucleotide-protein crosslinkage in bacteriophage MS2. Budowsky EI, et al. **Nucleic Acids Res** 3(1):261-76, Jan 76

Reaction of HeLa cell methyl-labelled 28S ribosomal RNA with sodium bisulphite: a conformational probe for methylated sequences. Goddard JP, et al. **Nucleic Acids Res** 3(2):431-40, Feb 76

Sulfites as food additives. **Nutr Rev** 34(2):58-62, Feb 76 (31 ref.)

Bisulfite modification of nucleic acids and their constituents. Hayatsu H. **Prog Nucleic Acid Res Mol Biol** 16:75-124, 1976 (144 ref.)

ADVERSE EFFECTS

Anaphylaxis after ingestion of sodium bisulfite. Prenner BM, et al. **Ann Allergy** 37(3):180-2, Sep 76

ANALYSIS

A fluorescence method for studies of spent sulfite liquor and humic substances in sea water. Almgren T, et al. **Anal Chim Acta** 78(2):411-22, Sep 75

Microbial metabolism of aryl sulphonates a re-assessment of colorimetric methods for the determination of sulphite and their use in measuring desulphonation of aryl and alkylbenzene sulphonates. Johnston JB, et al. **Antonie van Leeuwenhoek** 41(4):493-511, 1975

Rapid screening procedure for the determination of preservatives in ground beef: sulfites, benzoates, sorbates, and ascorbates. Karasz AB, et al. **J Assoc Off Anal Chem** 59(4):766-9, Jul 76

Different reactivities of 5-bromo-2'-deoxyuridine and 5-bromouracil in the bisulfite-mediated debromination. Hayatsu H, et al. **J Org Chem** 40(26):3862-5, 26 Dec 75

[Analysis of a mixture of sodium noradmidopyrine methanesulfonate and sodium metabisulfite] Gachon M, et al. **Ann Pharm Fr** 32(12):697-700, Dec 74 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Protective effect of vitamin E on reduction in colony formation of cultured human cells by bisulfite. Kuroda Y. **Exp Cell Res** 94(2):442-5, Sep 75

METABOLISM

Biosynthesis of sulphur amino acids in Saccharomyces cerevisiae II. Analysis of suplhite-producing strains. Romano P, et al. **Arch Microbiol** 108(2):211-5, Jun 76

Mechanisms of electron transfer from sulfite to horseradish peroxidase-hydroperoxide compounds. Araiso T, et al. **Biochemistry** 15(14):3059-63, 13 Jul 76

Morphological modifications of cells of Clostridium pasteurianum caused by growth on sulfite. McCready RG, et al. **Can J Microbiol** 22(2):269-75, Feb 76

Formation of sulphate, sulphite and S-sulphocysteine by the fungus Microsporum gypseum during growth on cystine. Kunert J. **Folia Microbiol (Praha)** 20(2):142-51, 1975

Generation of free radicals of quinone group-containing anti-cancer chemicals in NADPH-microsome system as evidenced by initiation of sulfite oxidation. Handa K, et al. **Gann** 66(1):43-7, Feb 75

Biochemical studies on sulfate-reducing bacteria. XIV. Enzyme levels of adenylylsulfate reductase, inorganic pyrophosphatase, sulfite reductase, hydrogenase, and adenosine triphosphatase in cells grown on sulfate, sulfite, and thiosulfate. Kobayashi K, et al. **J Biochem (Tokyo)** 78(5):1079-85, Nov 75

[A ferredoxin-linked sulfite reductase from Spinacia oleracea (author's transl)] Hennies HH. **Z Naturforsch [C]** 30(3):359-62, May-Jun 75 (Eng. Abstr.) **(Ger)**

[Activation of yeast growth on sulfite liquor with the help of biostimulators] Kvasnikov EI, et al. **Med Educ** 38(2):160-6, Mar-Apr 76 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Irritancy of cyclophosphamide-derived aldehydes (acrolein, chloracetaldehyde) and their effect on lymphocyte distribution in vivo: protective effect of thiols and bisulphite ions1). Whitehouse M, et al. **Agents Actions** 5(5):541-8, Dec 75

Bisulfite induced lipid oxidation. Kaplan D, et al. **Arch Environ Health** 30(10):507-9, Oct 75

Nitrogenase of Azotobacter chroococcum. Kinetics of the reduction of oxidized iron-protein by sodium dithionite. Thorneley RN, et al. **Biochem J** 155(1):137-44, 1 Apr 76

Effects of sulfur dioxide and bisulfite ion upon human lymphocyte membranes. Gause EM, et al. **Environ Lett** 9(3):293-305, 1975

The action and interaction of three alimentary substances (ethanol, tannic acid and sodium sulfite) on the activity of the ATPases in enterocyte brush borders. Lacombe C, et al. **Life Sci** 18(11):1245-53, 1 Jun 76

Effect of sodium bisulfite modification on the arginine acceptance of E. coli tRNA Arg. Chakraburtty K. **Nucleic Acids Res** 2(10):1793-804, Oct 75

Microsomal O-demethylation, N-demethylation and aromatic hydroxylation in the presence of bisulfite and dithiothreitol. Smith RV, et al. **Res Commun Chem Pathol Pharmacol** 12(1):181-4, Sep 75

The enhancement of CO2 fixation in isolated chloroplasts by low sulfite concentrations and by ascorbate. Ziegler I, et al. **Z Naturforsch [C]** 30(5):634-7, Sep-Oct 75

[Effects of tannic acid and potassium metabisulfite in combination with ethanol on some enzymatic detoxication activities of rat liver microsomes] Gaillard D, et al. **Food Cosmet Toxicol** 14(2):123-7, Apr 76 (Eng. Abstr.) **(Fre)**

[Effect of prolonged ingestion of tannic acid, potassium metabisulfite and ethanol, administered alone or in combination, on the liver vitamin A concentration in the rat] Suschetet M. **Int J Vitam Nutr Res** 45(2):129-37, 1975 (Eng. Abstr.) **(Fre)**

TOXICITY

Health effects of atmospheric sulfur dioxide and dietary sulfites. The fallacy of typology. Hickey RJ, et al. **Arch Environ Health** 31(2):108-12, Mar-Apr 76

Acute toxicity of ammonia-base neutral sulfite pulp mill waste liquor to rainbow trout. Griffin JM, et al. **Bull Environ Contam Toxicol** 15(5):608-12, May 76

SULFOBROMOPHTHALEIN

Determination of ligandin-like proteins and serum albumin by differential spectroscopy with bromsulphophthalein. Sjöholm I, et al. **Acta Pharm Suec** 12(3):253–8, 1975

Study of indirect methods for measuring hepatic blood flow in the isolated perfused dog liver. Groszmann RJ, et al. **Digestion** 13(4):220–31, 1975

ADVERSE EFFECTS

[Severe systemic reaction after intravenous sulfobromophthalein injection. Report of a case and review of the literature (author's transl)] Chivrac D, et al. **Arch Fr Mal App Dig** 64(3):215–22, Apr–May 75 (Eng. Abstr.) **(Fre)**

[Delayed allergy to indocyanine green (ICG) and bromsulphalein (BSP) studied by means of leukocyte migration inhibition test] Juszczyk J, et al. **Pol Tyg Lek** 30(31–32):1327–8, 4–11 Aug 75 (Eng. Abstr.) **(Pol)**

BLOOD

Effect of phototherapy on hepatic excretory function in newborns as measured by bromsulphalein clearance. Rubaltelli F, et al. **Biol Neonate** 26(5–6):333–6, 1975

Plasma disappearance of sulfobromophthalein or indocyanine green in unconjugated hyperbilirubinemia. Yeary RA, et al. **Res Commun Chem Pathol Pharmacol** 12(1):125–36, Sep 75

[Automated determination of serum BSP. Improvement of dialysis by sodium salicylate] Trivin F, et al. **Ann Biol Clin (Paris)** 33(4):303–8, 1975 (Eng. Abstr.) **(Fre)**

[Bromsulphalein clearance and hyperbilirubinemia in Gilbert's syndrome] Cartei G, et al. **Dtsch Z Verdau Stoffwechselkr** 35(4):169–73, 1975 **(Ger)**

DIAGNOSTIC USE

Evaluation of the Clinicard sulfobromphthalein procedure. Watson WA 3d, et al. **Am J Med Technol** 42(1):59–62, Jan 76

Letter: Use of sulphobromophthalein liver function tests in cows with facial eczema. Caple IW, et al. **Aust Vet J** 52(4):192–3, Apr 76

Measurement of liver blood flow by means of a single injection of bromosulphthalein, without hepatic venous catheterization. Clarkson MJ, et al. **Clin Sci Mol Med** 51(2):141–50, Aug 76

The bromsulphthalein excretion test in women receiving pill-a-month and injection-a-month steroid contraceptives. Iyengar V, et al. **Indian J Med Res** 64(2):175–82, Feb 76

[Incidence of benign conjugated hyperbilirubinemia with pigment in the liver in Spiš (Dubin-Johnson syndrome) II. Attempts at screening of carrier state by means of BSP test] Sošovec V, et al. **Cesk Gastroenterol Vyz** 29(8):517–26, Dec 75 (Eng. Abstr.) **(Cze)**

[Significance of lymphatic drainage in liver ischemia. IV. Chromosecretion and biliary secretion] Vosmík J, et al. **Rozhl Chir** 55(1):32–7, Jan 76 (Eng. Abstr.) **(Cze)**

[Diagnosis of liver function in children using 131-I BSP] Kirsch G, et al. **Radiobiol Radiother (Berl)** 17(1):157–63, 1976 (Eng. Abstr.) **(Ger)**

[Artificial intraduodenal acidification and liver function in anacid patients] Schnapp HJ. **Z Aerztl Fortbild (Jena)** 69(16):869–72, 15 Aug 76 **(Ger)**

[Constitutional defect in indocyanine green (ICG) excretion with normal results in BSP test (complication of the nationwide survey up to 1974)] Nanbu M, et al. **Jpn J Gastroenterol** 72(8):1002–14, Aug 75 (Eng. Abstr.) **(Jpn)**

[Modification of the bromsulphalein test for studying the functional state of the rat liver] Izrailet LI, et al. **Gig Sanit** (3):59–61, Mar 76 **(Rus)**

[Method of conducting bromsulphalein test] Sondore VIu, et al. **Lab Delo** (8):500, 1975 **(Rus)**

[Effect of protein-free diet on sulfobromophthalein hepatic transport (author's transl)] Rodríguez Garay EA, et al. **Acta Physiol Lat Am** 25(3):197–203, 1975 (Eng. Abstr.) **(Spa)**

METABOLISM

Biliary excretion of dye in dogs infused with BSP or its glutathione conjugate. Barnhart JL, et al. **Am J Physiol** 231(2):399–407, Aug 76

Biliary secretion in elasmobranchs. II. Hepatic uptake and biliary excretion of organic anions. Boyer JL, et al. **Am J Physiol** 230(4):974–81, Apr 76

The influence of cage bedding on the metabolism of sulphobromophthalein sodium by an hepatic cytosol-located enzyme system. Whelan G. **Aust J Biol Sci** 28(1):25–9, Feb 75

Bromsulfophthalein uptake by isolated liver parenchymal cells. van Bezooijen CF, et al. **Biochem Biophys Res Commun** 69(2):354–61, 22 Mar 76

The effect of bucolome on the canalicular bile formation and sulfobromophthalein transport maximum in the dog. Kitani K, et al. **Biochem Pharmacol** 25(12):1377–81, 15 Jun 76

Studies on biliary excretion mechanisms of drugs--IV. Inhibitory studies on sulfobromophthalein and glucuronides in the rat. Uesugi T, et al. **Biochem Pharmacol** 25(12):1361–8, 15 Jun 76

Impairment in the hepatic clearance of (35S)-bromosulphophthalein in paracetamol-intoxicated rats. Buttar HS. **Br J Pharmacol** 56(2):145–53, Feb 76

Proceedings: Compartmental analysis of the plasma clearance of tetra- and di-bromsulphthalein. Baker PR, et al. **Br J Surg** 63(8):667, Aug 76

Hepatic glutathione depletion and impaired bromosulphthalein clearance early after paracetamol overdose in man and the rat. Davis M, et al. **Clin Sci Mol Med** 49(5):495–502, Nov 75

Biliary excretion of conjugated sulfobromophthalein (BSP) in constitutional conjugated hyperbilirubinemias. Abe H, et al. **Digestion** 13(5):272–83, 1975

Uptake of bromosulfophthalein by isolated liver cells. **Eur J Biochem** 64(1):189–97, 15 Apr 76

Selective hepatic uptake and biliary excretion of 35S-sulfobromophthalein in marine elasmobranchs. Boyer JL, et al. **Gastroenterology** 70(2):254–6, Feb 76

Increased sulfobromophthalein clearance in a patient receiving phenobarbital and other anticonvulsant drugs. Capron JP, et al. **Gastroenterology** 69(3):756–60, Sep 75

Hepatic functional deterioration after portacaval shunt in the rat. Effects on sulfobromophthalein transport-maximum, indocyanine green clearance and galactose elimination capacity. Lauterburg BH, et al. **Gastroenterology** 71(2):221–7, Aug 76

Liver bromosulphonphthalein transport as a carrier mediated process. pp. 55–9. Tiribelli C, et al. **In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 I61d 1974.**

Hepatic organic anion uptake in the rat. Scharschmidt BF, et al. **J Clin Invest** 56(5):1280–92, Nov 75

Comparison of sulfobromophthalein (BSP) and sulfobromophthalein glutathione (BSP-GSH) disposition under conditions of altered liver function and in the isolated perfused rat liver. Yam J, et al. **J Lab Clin Med** 87(3):373–83, Mar 76

Computer simulation of sulfobromophthalein kinetics in the rat using flow-limited models with extrapolation to man. Montandon B, et al. **J Pharmacokinet Biopharm** 3(4):277–90, Aug 75

Drug metabolizing function of isolated perfused liver. Noda T, et al. **Jpn J Pharmacol** 25(3):325–33, Jun 75

Influence of dehydrocholate sodium on the biliary reabsorption of sulfobromophthalein sodium from the rat biliary tree after retrograde intrabilary injection. Dammann HG, et al. **Klin Wochenschr** 54(16):789–91, 15Aug 76

Breast milk jaundice: in vitro inhibition of rat liver bilirubin-uridine diphosphate glucuronyltransferase activity and Z protein-bromosulfophthalein binding by human breast milk. Foliot A, et al. **Pediatr Res** 10(6):594–8, Jun 76

Differences of reabsorption of unconjugated BSP and BSP-glutathione from the rat biliary tree after retrograde intrabiliary injection. Dammann HG, et al. **Res Exp Med (Berl)** 165(3):181–90, 24 Sep 75

Vinyl chloride-induced depression of hepatic non-protein sulfhydryl content and effects on bromosulphalein (BSP) clearance in rats. Watanabe PG, et al. **Toxicology** 6(1):1–8, Jun 76

Bromosulphthalein clearance and total bilirubin level in cows deprived of food and water. Cakala S, et al. **Zentralbl Veterinaermed [A]** 22(7):605–10, Sep 75

[Experimental value of the biliary excretion of the conjugated form of SBP by the in vivo liver and by the isolated and perfused liver] Catau G, et al. **C R Soc Biol (Paris)** 169(3):637–40, 1975 (Eng. Abstr.) **(Fre)**

[Kinetics of sulfobromophtalein using albumin-bound BSP (author's transl)] Heimann G, et al. **Klin Wochenschr** 54(9):451–2, 1 May 76 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Bilirubin as a cholestatic agent. IV. Effect of bilirubin and sulfobromophthalein (BSP) on biliary manganese excretion. Witzleben CL, et al. **Arch Pathol** 99(9):496–8, Sep 75

Inhibition by sulfobromophthalein of mitochondrial translocation of anions and adenine nucleotides: effects upon liver adenosine triphosphate and possible correlation with inhibition of bile flow in the rat. Laperche Y, et al. **J Pharmacol Exp Ther** 197(1):235–44, Apr 76

THERAPEUTIC USE

Bilirubin as a cholestatic agent. III. Prevention of bilirubin-related cholestasis by sulfobromophthalein. Witzleben CL, et al. **Arch Pathol** 99(9):492–5, Sep 75

SULFONAMIDES

Resonance Raman studies in some carboni anhydrase-aromatic sulfonamide complexes. Kumar K, et al. **Biochemistry** 15(10):2195–202, 18 May 76

Studies on the method of size reduction of medicinal compounds. V. Size reduction of several sulfonamides by desorption of ammonia from their ammonia compounds. Sekiguchi K, et al. **Chem Pharm Bull (Tokyo)** 22(12):2972–8, Dec 74

The role of anionic, imidic, and amidic forms in structure-activity relationships. Correlation of electronic indices and bacteriostatic activity in sulfonamides. Rastelli, et al. **J Med Chem** 18(10):963–7, Oct 75

N-alkanesulfonamides as repellents for the German cockroach (Orthoptera (Dictyoptera): Blatellidae). McGovern TP, et al. **J Med Entomol** 12(3):387–9, 25 Sep 75

[Ultraviolet spectrophotometry in drug control. 17. Comparison of drugs with sulfonamide- and benzene chromophores] Kráčmar J, et al. **Pharmazie** 30(7):447–50, Jul 75 **(Ger)**

[Relations between physical parameters and biological activity of organic substances. I. Solubility in water of the amorphous phase of some sulfonamides] Avico U, et al. **Farmaco [Prat]** 30(1):40–6, Jan 75 (Eng. Abstr.) **(Ita)**

[Calculations of molecular orbit. 3. Electronic density of sulfas by the omega technic] Korolkovas A, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(1):37–51, Jan–Jun 74 (Eng. Abstr.) **(Por)**

ADMINISTRATION & DOSAGE

Effect of drugs on infant Gunn rats under phototherapy. Ballowitz L, et al. **Birth Defects** 12(2):61–80, 1976

Tissue damage and concentration at the injection site after intramuscular injection of chemotherapeutics and vehicles in pigs. Rasmussen F, et al. **Res Vet Sci** 20(1):55–60, Jan 76

Evaluation of a prototype therapeutic system for prolonged, continuous topical delivery of homosulfanilamide in the management of Pseudomonas burn wound sepsis. Vistnes LM, et al. **Surgery** 79(6):690–6, Jun 76

Synergism and antagonism among antimicrobial drugs. A personal perspective. Jawetz E. **West J Med** 123(2):87–91, Aug 75

ADVERSE EFFECTS

Drug-induced febrile mucocutaneous syndrome with a survey of the literature. Böttiger LE, et al. **Acta Med Scand** 198(3):229–33, Sep 75

Stevens-Johnson syndrome from ophthalmic sulfonamide. Gottschalk HR, et al. **Arch Dermatol** 112(4):513–4, Apr 76

Studies of the pain produced by mafenide acetate preparations in burns. Harrison HN, et al. **Arch Surg** 110(12):1446, Dec 75

Contact dermatitis from proprietary preparations in Malaysia. Nagreh DS. **Int J Dermatol** 15(1):34–5, Jan–Feb 76

Drug eruption associated with sulfonamide treatment of vertebral osteomyelitis in a dog. Scott DW, et al. **J Am Vet Med Assoc** 168(12):1111–4, 15 Jun 76

ANALYSIS

4-Ethylsulfonylnaphthalene-1-sulfonamide (ENS): analytical chemical behavior and trace analysis in five substrates. King RJ, et al. **Biochem Med** 12(4):313–30, Apr 75

The simultaneous quantitative determination of total, 'active', acetylated and conjugated sulfonamide in biological fluids. Rieder J. **Chemotherapy** 22(2):84–7, 1976

Detection of sulfonamides in animal feeds. Cieri UR. **J Assoc Off Anal Chem** 59(1):56–9, Jan 76

High-performance liquid chromatography of some sulphonamides. Cobb PH, et al. **J Chromatogr** 123(2):444–7, 4 Aug 76

Gas-liquid chromatographic determination of sulphonamides. Nose N, et al. **J Chromatogr** 123(1):167–73, 21 Jul 76

High-performance ion-pair partition chromatography of sulfa drugs. Study and optimization of chemical parameters. Su SC, et al. **J Chromatogr** 119:523–37, 28 Apr 76

Preparation of superior thin-layer chromatograms for quantitative in situ densitometry by nonequilibrated development. I. Trisulfapyrimidines: sulfadiazine, sulfamerazine, and sulfamethazine. Flinn PE. **J Chromatogr Sci** 13(12):580–2, Dec 75

Application of trihydroxyindole reaction to methanesulfonanilides: fluorometric analysis for soterenol and mesuprine. Kensler TT, et al. **J Pharm Sci** 65(5):763–4, May 76

[Ultraviolet spectrophotometry in drug control. XVI. Follow-up of the effect of substitution of solvents in the drugs with sulfonamide chromophores] Kráčmar J, et al. **Cesk Farm** 24(4–5):166–73, Jun 75 (Eng. Abstr.) **(Cze)**

[Residue analysis and dynamics of sulfonamides in milk] Fechner G, et al. **Arch Exp Veterinaermed** 28(2):261–6, 1974 (Eng. Abstr.) **(Ger)**

[Direct photodensitometric determination of sulfonamides contained in pharmaceutical preparations] Ghilardelli G, et al. **Farmaco [Prat]** 30(8):398–406, Aug 75 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

The influence of ammonium chloride on the induction of bladder tumours by 4-ethylsulphonylnaphthalene-1-sulphonamide. Flaks A, et al. **Br J Cancer** 31(5):585–7, May 75

BLOOD

Circular dichroism studies on the interaction of four structurally related long-acting sulfonamides with human and bovine serum albumin. Müller W, et al. **Biochem Pharmacol** 25(13):1459–64, 1 Jul 76

Distribution of sulfonamides and sulfonamide potentiators between red blood cells, proteins and aqueous phases of the blood of different species. Berneis K, et al. **Chemotherapy** 22(6):390–409, 1976

N-dimethylaminomethylene derivatives for the gas-liquid chromatography of primary sulfonamides. Vandenheuvel WJ, et al. **J Chromatogr** 112:513–21, 29 Oct 75

[Influencing of acetylation and corticosterone biosynthesis

through long-term pantothenic acid deficiency in rats] Pietrzik K, et al. **Int J Vitam Nutr Res** 45(3):251–61, 1975 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Studies on antibacterial agents. III. Synthesis of N,N'-bis(4-quinolyl-4-quinaldinyl-, 4-quinazolinyl-, or 9-acridinyl)polymethylenediamines and their sulfonamides. Singh AK. **Chem Pharm Bull (Tokyo)** 23(8):1869–73, Aug 75

Synthesis of sulphonamidoquinoline derivatives. Parrini V, et al. **Farmaco [Sci]** 31(4):237–54, Apr 76

Potential antitumor agents.
16.4'-(Acridin-9-ylamino)methanesulfonanilides. Cain BF, et al. **J Med Chem** 18(11):1110–7, Nov 75

Adrenergic sulfonanilides. 4. Centrally active beta-adrenergic agonists. Temple DL, et al. **J Med Chem** 19(5):626–33, May 76

[Synthesis and pharmacological properties of some N-acyl pyridine-3-sulfonamides substituted at position 2] Delarge J. **Acta Pol Pharm** 33(1):1–6, 1976 (Eng. Abstr.) **(Fre)**

[Synthesis and pharmacologic properties of some N-acylsulfonamides] Delarge J, et al. **Ann Pharm Fr** 32(12):657–67, Dec 74 (Eng. Abstr.) **(Fre)**

[Sulfonamides. 10. Sulfonamide derivatives of 1-thiocarbamyl-3-methylpyrazolone-(5) and 1-thiocarbamyl-3,5-dimethylpyrazole] Wreciono U, et al. **Pharmazie** 31(4):216–7, Apr 76 **(Ger)**

[Sulfonamides. 7. Sulfonamide derivatives of 1-phenyl-3,4-dimethylpyrazol-5-one and 1-phenyl-3,4-dimethyl-5-chloropyrazole] Wrzeciono U, et al. **Pharmazie** 30(9):582–5, Sep 75 **(Ger)**

[Sulfonamides. 9. Sulfonamide derivatives of 1-phenyl-3,5-dimethylpyrazolyl-4-carboxylic acid and 1-phenyl-2,3-dimethyl-pyrazolin-5-one-4-carboxylic acid] Wrzeciono U, et al. **Pharmazie** 31(3):149–50, 1976 **(Ger)**

[Sulfonamides. 8. Sulfonamide derivatives of 1,2-diphenyl-3,5-dioxopyrazolidines] Wrzeciono U, et al. **Pharmazie** 31(2):92–4, 1976 **(Ger)**

[New azo derivatives of sulfonamides] Hackmann E, et al. **Boll Chim Farm** 114(9):501–8, Sep 75 (Eng. Abstr.) **(Ita)**

[Sulfonamides. IV. Sulfonamide derivatives of 1-(chlorophenyl)-and 1-(dichlorophenyl)-3-methylpyrazolone 5] Wrzeciono U, et al. **Acta Pol Pharm** 32(5):543–9, 1975 (Eng. Abstr.) **(Pol)**

[Synthesis and the hypoglycemic action of alkane sulfaniloxamides and alkane sulfonilhydrazines of oxaminic acid] Chernykh VP, et al. **Farm Zh** 31(3):41–5, May–Jun 76 **(Ukr)**

HISTORY

[Discovery of sulfonamides] Schadewaldt H. **Dtsch Med Wochenschr** 100(51):2617–21, 19 Dec 75 **(Ger)**

METABOLISM

Plasma half-lives and the excretion into egg-white and -yolk of three sulponamides and pyrimethamine after medication of laying hens. Blom L. **Acta Pharmacol Toxicol (Kbh)** 37(1):79–93, Jul 75

Metabolism, kinetics and metabolic activity of the beta-cytotropic antidiabetic 4-(5-isobutylpyrimidinyl-2)-sulphamylphenylacetic acid-3-chloro-6-methoxyanilide sodium (glydanile sodium) in man after oral and intravenous administration. Gerhards E, et al. **Arzneim Forsch** 26(2):278–86, Feb 76

Proceedings: Uptake of sulphonamides by animal tumours and the anti-tumour properties of triazenes derived from them. Abel G. **Br J Cancer** 32(2):246, Aug 75

Effect of simultaneous administration of drugs on absorption and excretion. VI. Effect of protein binding on membrane permeability of sulfonamides. Ichibagase H, et al. **Chem Pharm Bull (Tokyo)** 24(2):204–10, Feb 76

Quantitative determination of the bilirubin-displacing effect of sulphonamides and other drugs. pp. 79–88. Brodersen R, et al. **In: Alagille D, ed. Liver diseases in children. Paris, INSERM, 1976. WI 700 L7833 1975.**

Renal proximal tubular buffer-(glycodiazine) transport. Inhomogeneity of local transport rate, dependence on sodium, effect of inhibitors and chronic adaptation. Ullrich KJ, et al. **Pfluegers Arch** 357(3-4):149–63, 26 Jun 75

Kinetic aspects of structure-activity relations: the binding of sulphonamides by carbonic anhydrase. King RW, et al. **Proc R Soc Lond [Biol]** 193(1111):107–25, 13 Apr 75

N-hydroxy-2-fluorenylacetamide, an active intermediate of the mammary carcinogen N-hydroxy-2-fluorenylbenzenesulfonamide. Malejka-Giganti D, et al. **Proc Soc Exp Biol Med** 150(1):92–7, Oct 75

[Correlations between sulfonamide concentrations in the serum, muscular and renal tissue of rats of various ages] Bräunlich H. **Acta Biol Med Ger** 33(4):443–53, 1974 (Eng. Abstr.) **(Ger)**

[Serum and hepatic levels if sulfonamides studied with the area-under-the-curve method, in rats] Cantelli-Forti G, et al. **Boll Soc Ital Biol Sper** 50(23-24):2100–4, 30 Dec 74 **(Ita)**

[Further studies of tissue levels of sulfonamides in rats, using the method of the area under the curve] Cantelli-Forti G, et al. **Boll Soc Ital Biol Sper** 51(7):398–402, 15 Apr 75 **(Ita)**

PHARMACODYNAMICS

Relatons between structure and biological activity of sulfonamides. Maren TH. **Annu Rev Pharmacol Toxicol** 16:309–27, 1976 (55 ref.)

R-factor-mediated resistance to sulfonamides by a plasmid-borne, drug-resistant dihydropteroate synthase. Sköld O. **Antimicrob Agents Chemother** 9(1):49–54, Jan 76

Inhibition of cell wall synthesis by sulfonamides and trimethoprim. Daschner F. **Chemotherapy** 22(1):12–8, 1976

Evidence of tandem duplication of genes in a merodiploid region of Pneumococcal mutants resistant to sulfonamide. Kashmiri SV, et al. **Genetics** 81(1):21–31, Sep 75

Use of high-pressure liquid chromatography for quantitative structure-activity relationship studies of sulfonamides and barbiturates. Henry D, et al. **J Med Chem** 19(5):619–26, May 76

Transmembrane exchange of chloride with bicarbonate ion in mammalian red blood cells: evidence for a sulphonamide-sensitive 'carrier'. Cousin JL, et al. **J Physiol (Lond)** 253(2):385–99, Dec 75

Relation between Salmonella typhimurium biotypes and drug resistance, Teheran, Iran (1962–1973). Badalian K, et al. **J Trop Med Hyg** 79(2):28–31, Feb 76

Influence of some salicylates and sulfonamides on binding by albumin of SPC-703 and tolbutamide. Wójcikowski C, et al. **Pol J Pharmacol Pharm** 28(2):129–35, 1976

Sulfonamide resistance mechanism in Escherichia coli: R plasmids can determine sulfonamide-resistant dihydropteroate synthases. Wise EM Jr, et al. **Proc Natl Acad Sci USA** 72(7):2621–5, Jul 75

The role of anionic, imidic and amidic forms in structure-activity relationships. Conjugation and bacteriostatic activity in sulphonamides. De Benedetti PG, et al. **Psychiatr Neurol Med Psychol (Leipz)** 31(3):159–68, Mar 76

The immunosuppressive properties of a sulphonamide analogue of L-asparagine. Visser L, et al. **Transplantation** 20(3):265–8, Sep 75

[Synergism of colistin and sulfonamide in proteus species (author's transl)] Kunz HH. **Arzneim Forsch** 25(11):1692–5, Nov 75 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic analysis of a new sulfonamide-trimethoprim combination for suckling pigs] Kovács E, et al. **Dtsch Tieraerztl Wochenschr** 83(5):128–21, 5 May 76 (Eng. Abstr.) **(Ger)**

[Synthetic medium for testing of susceptibility. II. Susceptibility of bacteria to sulphonamides (author's transl)] Abdou MA. **Zentralbl Bakteriol [Orig A]** 230(1):86–103, Jan 75 (Eng. Abstr.) **(Ger)**

[The occurrence of drug-resistant colicinogenic E coli strains in the fecal flora of calves. 2nd communication. Species of colicin types formed with simultaneous presence of resistance against antibiotics and sulfonamides] Gedek B, et al. **Zentralbl Veterinaermed [B]** 23(2):105–16, Mar 76 (Eng. Abstr.) **(Ger)**

[Resistance factors to antibiotics and sulfamides of enterobacteriaceae isolated from water and sediments of the middle Paraná river (region of Santa Fé-Paraná)] Tessi MA. **Rev Asoc Argent Microbiol** 6(2):62–74, May–Aug 74 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

4-nitro-2-phenoxymethanesulfonanilide (R-805): a chemically novel anti-inflammatory agent. Swingle KF, et al. **Arch Int Pharmacodyn Ther** 221(1):132–9, May 76

Cytotoxic sulphonamides designed for selective deposition in malignant tissue. Abel G, et al. **Eur J Cancer** 11(11):787–93, Nov 75

Comparative study of topical mafenide acetate and nitrofura zone on the course of healing of acute burns. Durrani KM, et al. **JPMA** 25(4):72–5, Apr 75

Comparative study of topical mafenide acetate and nitrofura zone on the course of healing of acute burns. Durrani KM, et al. **JPMA** 25(4):72–5, Apr 75

Chemoprophylaxis of infection in burns with sulfamylon acetate. Müller FE. **Panminerva Med** 14(6):159–61, Jun 72

Letter: Treatment of nocardia. Ahronheim GA, et al. **Pediatrics** 58(1):140, Jul 76

The prevalence of ampicillin, cephalosporin and sulphonamide resistance amongst urinary tract pathogens. Andrews J, et al. **Scott Med J** 20(5):232–5, SEP 76

The management of urinary tract infections. Hodgson NB, et al. **Surg Clin North Am** 55(6):1397–1401, Dec 75

[Clinical evaluation of several new sulfonamide drugs manufactured in China] **Chin Med J [Engl]** (6):402–7, 1975 **(Chi)**

[Combination of sulfonamide-penicillin] **Ned Tijdschr Geneeskd** 119(52):2100, 27 Dec 75 **(Dut)**

[Combination of oral hypoglycemic agents] Decoulx M. **Lille Med** 21 spec no:263–5, 1976 **(Fre)**

[Hypoglycemic sulfamides] Martin-Linquette A. **Lille Med** 21(4):369–73, Apr 76 **(Fre)**

[Sulfametrol-trimethoprim in the treatment of chronic urinary tract infections] Pichler H, et al. **Acta Med Austriaca** 2(5):170–6, 1975 (Eng. Abstr.) **(Ger)**

[Twenty years of oral diabetic therapy (author's transl)] Mehnert H, et al. **Munch Med Wochenschr** 117(29-30):1221–8, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[The management of urinary tract infections with CN-3123. Experience with gynecologic patients and women in childbirth] Feltmann K. **Ther Ggw** 115(5):896–905, May 76 **(Ger)**

[Chemo-antibiotics during the course of kidney insufficiency] Fossati C. **Clin Ter** 73(2):155–88, 30 Apr 75 (232 ref.) **(Ita)**

URINE

Transformation and excretion of drugs in biological systems. XI. Renal excretion mechanisms of sulfonamides in rabbits. Owada E, et al. **Chem Pharm Bull (Tokyo)** 23(12):3215–22, Dec 75

SULFONES

Synthesis of vitamin A via sulfones: A C15 sulfone route. Manchand PS, et al. **Helv Chim Acta** 59(2):387–96, 10 Mar 76

Reactions of proteins with ethyl vinyl sulfone. Friedman M, et al. **Int J Pept Protein Res** 7(6):481–6, 1975

The methylsulfonylethyloxycarbonyl group, a new and versatile amino protective function. Tesser GI, et al. **Int J Pept Protein Res** 7(4):295–305, 1975

[Reactions of 1,4-pentadien-3-ones. 7. The reaction of sulfone-analogs of pentadienones with malonic esters] Otto HH, et al. **Arch Pharm (Weinheim)** 308(10):768–75, Oct 75 **(Ger)**

[A synthesis of vitamin A according to the sulfone method (author's transl)] Fischli A, et al. **Helv Chim Acta** 59(2):397–405, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[A new bifunctional reagent for the intramolecular crosslinking of insulin (author's transl)] Obermeier R, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1631–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Conversion of alpha-amino and alpha-amidosulfones using nucleophils. 7. Sulfones as a chemical transport form of germicidal agents] Messinger P. **Pharmazie** 31(1):16–8, 1976 **(Ger)**

[Reaction of trialkylborane. IV. Reaction of trialkylborane with aromatic sulfonyl chlorides (author's transl)] Nose A, et al. **J Pharm Soc Jpn** 96(2):140–6, Feb 76 (Eng. Abstr.) **(Jpn)**

[Paramagnetic analog of tetranol] Zhdanov RI, et al. **Dokl Akad Nauk SSSR** 225(6):1333–5, 21 Dec 75 **(Rus)**

ADVERSE EFFECTS

Neurotoxicity--a side-effect of sulphones. Volden G. **Acta Derm Venereol (Stockh)** 56(1):77–8, 1976

Erythema nodosum leprosum in a general hospital. Rea TH, et al. **Arch Dermatol** 3(12):1575–80, Dec 75 (44 ref.)

Open trial with clofazimine in the management of recurrent lepra reaction and of sulphone sensitive cases: a preliminary report. Ramanujam K, et al. **Lepr Rev** 46(2 Suppl):117–20, Jun 75

[Complications of sulphone treatment in dermatitis herpetiformis Duhring (author's transl)] Rozsívalová V, et al. **Cesk Dermatol** 51(1):44–8, Feb 76 (Eng. Abstr.) **(Cze)**

[Clinical experience with benzene sulfonyl chloride (author's transl)] Stasik MJ. **Arch Toxicol (Berl)** 33(2):123–7, 14 Feb 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

A novel sulfonolipid in diatoms. Anderson R, et al. **Biochim Biophys Acta** 409(2):259–63, 21 Nov 75

A sulfonolipid and novel glucosamidyl glycolipids from the extreme thermoacidophile Bacillus acidocaldarius. Langworthy TA, et al. **Biochim Biophys Acta** 431(3):550–69, 22 Jun 76

CHEMICAL SYNTHESIS

Biologically oriented organic sulfur chemistry. 14. Antiinflammatory properties of some aryl sulfides, sulfoxides, and sulfones. Brannigan LH, et al. **J Med Chem** 19(6):798–802, Jun 76

[Synthesis of sulfonylketone Mannich bases (author's transl)] Messinger P, et al. **Arch Pharm (Weinheim)** 308(10):737–42, Oct 75 (Eng. Abstr.) **(Ger)**

[Synthesis of amidinobenzylaryl sulfides and sulfones and N-amidinobenzyl-N-aryl- and N-amidinobenzyl-N-aralkylamines] Wagner G, et al. **Pharmazie** 31(3):158–62, 1976 **(Ger)**

[Synthesis of sulfonyl derivatives of 2-phenylphthalazinedione-1,4] Baloniak S, et al. **Acta Pol Pharm** 33(3):329–34, 1976 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Chromatographic separation of methionine, methionine sulphoxide, methionine sulphone, and their products of oral microbial metabolism. Tonzetich J. **Anal Biochem** 73(2):290–300, Jun 76

METABOLISM

Metabolic fate of perfluidone herbicide in a lactating cow. Ivie GW. **J Agric Food Chem** 23(5):869–72, Sep-Oct 75

The disposition of sulfoxone and solasulfone in leprosy patients. Peters JH, et al. **Lepr Rev** 46(3):171–80, Sep 75

PHARMACODYNAMICS

Kinetics of the inactivation of trypsinogen by methanesulfonyl fluoride in the pH-stat. Morgan PH, et al. **Anal Biochem** 72:447–54, 7 May 76

Inhibition of eukaryotic DNA-dependent RNA polymerase release from isolated nuclei and nucleoli by phenylmethylsulfonylfluoride. Lindell TJ. **Arch Biochem Biophys** 171(1):268–75, Nov 75

Proceedings: Reaction of phenylmethanesulfonyl subtilisin with hydrogen peroxide. Jacobus S. **Isr J Med Sci** 11(11):1168–9, Nov 75

Stimulation of testosterone production by isolated rabbit ovarian follicles in the presence of luteinizing hormone and phenylmethylsulfonyl fluoride. YoungLai EV. **Steroids** 26(4):502–6, Oct 75

[Synthetic inhibitors of serine proteinases. 7. Inhibition of trypsin, plasmin and thrombin by amidinobenzylarylsulfides and -sulfones as well as N-(amidinobenzyl)-N-(aryl)- and N-(amidinobenzyl)-N-(arylalkyl)amines] Walsmann P, et al. **Pharmazie** 31(3):170–2, 1976 **(Ger)**

[Studies on mechanism of hyperglycemic action of 1-(p-chlorophenylsulfonyl)-2-imidazolidinone (CPSI). II. Influence of 1-(p-chlorophenylsulfonyl)-2-imidazolidinone (CPSI) on carbohydrate and lipid metabolism (author's transl)] Yamada K, et al. **J Pharm Soc Jpn** 95(7):803–8, Jul 75 (Eng. Abstr.) **(Jpn)**

[Studies on mechanism of hyperglycemic action of 1-(p-chlorophenylsulfonyl)-2-imidazolidinone (CPSI) (author's transl)] Yamada K, et al. **J Pharm Soc Jpn** 95(7):793–802, Jul 75 (Eng. Abstr.) **(Jpn)**

[Inhibiting effects of aromatic sulfides, sulfoxides and sulfones on the biochemical systems of Fasciola hepatica] Benediktov II. **Med Parazitol (Mosk)** 44(4):473–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Bacteriological status (point prevalence) of lepromatous outpatients under sulfone treatment. Quagliato R, et al. **Bull WHO** 52(1):57–62, 1975

URINE

Qualitative and quantitative analyses of bansyl derivatives of dopamine and some of its metabolites in urine samples by electron impact and field desorption mass spectrometry. Lehmann WD, et al. **Anal Chem** 48(11):1572–5, Sep 76

SULFONIC ACIDS

Sulfamic acid as a standard substance in non-aqueous titrimetry. Przyborowski L. **Ann Univ Mariae Curie Sklodowska [Med]** 30:1–3, 1975

The steady-state kinetics of peroxidase with 2,2'-azino-di-(3-ethyl-benzthiazoline-6-sulphonic acid) as chromogen. Childs RE, et al. **Biochem J** 145(1):93–103, Jan 75

Reduction of certain steroidal 19-sulfonic esters with metal hydrides. Santaniello E, et al. **J Steroid Biochem** 7(3):223–7, Mar 76

A note on the colour reaction between piperazine and the sodium salt of 1.2-naphthoquinone-4-sulphonic acid. Ismaiel SA. **Pharmazie** 31(1):52, 1976

[Use of arylsulfonic acids in successive isolation of glycine, phenylalanine, arginine and lysine from gelatin hydrolysates] Matusiak R, et al. **Acta Pol Pharm** 33(2):199–204, 1976 (Eng. Abstr.) **(Pol)**

ANALYSIS

Reversed-phase ion-pair partition chromatography of carboxylates and sulphonates. Wahlung KG. **J Chromatogr** 115(2):411–22, 24 Dec 75

CHEMICAL SYNTHESIS

Structure-activity studies on sulfamate sweeteners. Benson GA, et al. **J Med Chem** 19(7):869–72, Jul 76

PHARMACODYNAMICS

The SPS and digitonin tests applied to porcine mycoplasmas. Friis NF. **Acta Vet Scand** 16(3):474–6, 1975

Biological effects of sulfite waste liquor components for swine. pp. 545–52. Naess B. **In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.**

Chemical modification of membrane proteins in relation to inhibition of anion exchange in human red blood cells. Zaki L, et al. **J Cell Physiol** 86(3 Pt 1):471–94, Dec 75

THERAPEUTIC USE

[Clinical experience with intravenous depressan ampules] Hennig D. **Z Urol Nephrol** 68(3):169–72, Mar 75 **(Ger)**

SULFONIUM COMPOUNDS see under **ONIUM COMPOUNDS**

SULFONYLDIANILINE see **DAPSONE**

SULFONYLUREA COMPOUNDS

Circular dichroism studies on the interaction of sulfonylureas with bovine and human serum albumin. Müller WE, et al. **Res Commun Chem Pathol Pharmacol** 13(3):551–4, Mar 76

[Binding of SPC-703 and tolbutamide to albumin] Wójcikowski C, et al. **Endokrynol Pol** 27(1):37–43, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

How long are oral antidiabetic drugs effective? Breidahl HD. **Aust Fam Physician** 5(4):445–51, May 76

[Mechanism of action of gliquidone (author's transl)] Zilker T, et al. **Dtsch Med Wochenschr** 100(35):1733–4, 1739–41, 29 Aug 75 **(Ger)**

[Duration of effective hypoglycaemic action of glipizide given once daily (author's transl)] Azzopardi J, et al. **Med Klin** 70(28–29):1214–8, 11 Jul 75 (Eng. Abstr.) **(Ger)**

[Simplified combination treatment of diabetes mellitus with sulfonylurea compounds and biguanides] Bock E. **Z Allgemeinmed** 51(1):37, 10 Jan 75 **(Ger)**

ADVERSE EFFECTS

In vivo cytogenetic activity of sulphonylurea drugs in man. Watson WA, et al. **Mutat Res** 38(1):71–80, Feb 76

Use of oral agents in treating diabetes mellitus a perspective. Colwell JA. **Postgrad Med** 59(1):139–44, Jan 76

[Drugs induced hypoglycemia] Dry J, et al. **Sem Hop Ther** 52(4):231–4, Apr 76 **(Fre)**

[Porphyria cutanea tarda and blood-sugar-suppressing derivatives of sulfonylurea] Malina L, et al. **Hautarzt** 26(10):535–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Significance of granulolytic processes in the B-cells of pancreas] Bommer G, et al. **Verh Dtsch Ges Pathol** 59:582, 1975 **(Ger)**

ANALYSIS

Gas chromatographic and mass spectral properties of sulfonylurea N-methyl-N'-perfluoroacyl derivatives. Braselton WE Jr, et al. **Anal Chem** 48(9):1386–94, Aug 76

[Quantitative analysis of anisylbutamide and carbutamide by proton magnetic resonance and photodensitometry. Comparison of the 2 methods] Gallazzi A, et al. **Farmaco [Prat]** 31(2):95–101, Feb 76 (Eng. Abstr.) **(Ita)**

BLOOD

[On the multiple-dose kinetics of glibornuride in man (author's transl)] Dubach UC, et al. **Arzneim Forsch** 25(12):1967–9, 1975 (Eng. Abstr.) **(Ger)**

[Radioimmuno assay of the sulfonylurea AR-DF 26(author's transl)] Kopitar Z, et al. **Arzneim Forsch** 25(10):1469–72, Oct 75 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

New oral antidiabetic drugs. Synthesis and structure-activity relationships. Francia E, et al. **Boll Chim Farm** 114(7):379–92, Jul 75

Sulfamylurea hypoglycemic agents. 6. High-potency derivatives. Sarges R, et al. **J Med Chem** 19(5):695–709, May 76

[New compounds and reactions of sulfonamides with amines. XV. Synthesis and hypoglycemic activity of some derivatives of N-(benzenesulfonyl)-3,5-diethyl-5-methyl-2-pyrazoline-] Brzozowski Z, et al. **Acta Pol Pharm** 33(3):301–5, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Influence of some salicylates and sulfonamides on binding by albumin of SPC-703 and tolbutamide. Wójcikowski C, et al. **Pol J Pharmacol Pharm** 28(2):129–35, 1976

[Human pharmacokinetics and metabolism of 14C-labeled gliquidone (AR-DF 26)] Kopitar Z. **Arzneim Forsch** 25(9):1455–60, Sep 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of epinephrine and glucose on the in vitro response of adipose tissue to sulfonylureas. Herrera E. **Acta Diabetol Lat** 12(2):106–13, Mar–Apr 75

Effects of sulfonylureas on histochemical and ultracytochemical calcium distribution in B-cells of mice. Klöppel G, et al. **Diabetologia** 12(3):227–35, Jul 76

(Pro-) insulin biosynthesis and release of newly synthesized (pro-) insulin from isolated islets of rat pancreas in the presence of amino acids and sulphonylureas. Schatz H, et al. **Eur J Clin Invest** 5(6):477–85, 21 Nov 75

Hyaluronidase-induced inhibition of the insulinotropic action of sulfonylureas, leucine, and glucagon in rodent isolated pancreatic islets. Macchi IA, et al. **Horm Metab Res** 8(2):92–6, Mar 76

Biosynthesis of proinsulin and insulin in newborn rat pancreas. Interaction of glucose, cyclic AMP, somatostatin, and sulfonylureas on the (3H) leucine incorporation into immunoreactive insulin. Garcia SD, et al. **J Clin Invest** 57(1):230–43, Jan 76

Potentiation of hypoglycemic effect of sulfonylureas by halofenate. Jain AK, et al. **N Engl J Med** 293(25):1283–6, 18 Dec 75

Circular dichroism studies on the interaction of sulfonylureas with insulin. Müller WE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):97–9, 24 Mar 76

[Pharmacokinetic behaviour of gliquidone (AR-DF 26), a new sulfonyl urea. Summary of the studies so far (author's transl)] Kopitar Z, et al. **Arzneim Forsch** 25(12):1933–8, 1975 (Eng. Abstr.) **(Ger)**

[Studies on new sulfonylurea derivatives and their metabolites in isolated Langerhans's islets of the rat pancreas (author's transl] Krause U, et al. **Arzneim Forsch** 25(8):1231–3, Aug 75 (Eng. Abstr.) **(Ger)**

[Effect of gliquidone and glibenclamide following oral administration] Ziler T, et al. **Munch Med Wochenschr** 117(36):1423–4, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Comparative use of gliquidone and tolbutamide administered intravenously] Zilker T, et al. **Munch Med Wochenschr** 117(36):1421–2, 5 Sep 75 **(Ger)**

THERAPEUTIC USE

Oral hypoglycaemic agents and insulin therapy. Clarke BF. **Br J Clin Pract** 30(6–8):136–40, Jun–Aug 76

Clinical trial of glibornuride in diabetes. Logie AW, et al. **Br Med J** 3(5982):514–5, 30 Aug 75

Clinical use of the sulfonylurea drugs. Blumenthal SA, et al. **Compr Ther** 2(2):53–8, Jul 76

Clinical comparison between glibornuride (Glutril) and glibenclamide in maturity-onset diabetes: a controlled double-blind trial. Mogensen EF, et al. **Curr Ther Res** 19(6):559–64, Jun 76

Glipizide - another oral hypoglycaemic drug. **Drug Ther Bull** 13(21):83–4, 10 Oct 75

Clinical evaluation of a new sulfonylurea in maturity onset diabetes - glipizide (K-4024). Bandisode MS, et al. **Horm Metab Res** 8(2):89–91, Mar 76

Letter: Potentiation of hypoglycemic effect of sulfonylureas by clofibrate. Daubresse JC, et al. **N Engl J Med** 294(11):613, 11 Mar 76

[Glipizide a new oral antidiabetic agent (comprehensive review)] Brunová E. **Vnitr Lek** 22(6):595–9, Jun 76 (15 ref.) (Eng. Abstr.) **(Cze)**

[Clinical comparison between glibornuride (Glutril) and tolbutamide in senile diabetes. A controlled dobble-blind trial] Lindbjerg IF, et al. **Ugeskr Laeger** 138(26):1572–4, 21 Jun 76 (Eng. Abstr.) **(Dan)**

[Clinical comparison between glibornuride (Glutril) and glibenclamide in senile diabetes. A controlled double-blind trial] Mogensen EF, et al. **Ugeskr Laeger** 138(26):1569–71, 21 Jun 76 (Eng. Abstr.) **(Dan)**

[A clinical study of a new sulfonylures hypoglycemic agent: glipizide (glibenese)(author's transl)] Cochet B, et al. **Praxis** 64(18):562–8, 6 May 75 (Eng. Abstr.) **(Fre)**

[Further results of a multi-centre clinical trial with the oral antidiabetic drug glisoxepide (author's transl)] Blumenbach L, et al. **Arzneim Forsch** 26(5):931–43, 1976 (Eng. Abstr.) **(Ger)**

[Experiences with the oral antidiabetic agent, Glurenorm, in diabetics with kidney diseases] Uglesic A, et al. **Med Monatsschr** 29(9):408–11, Sep 75 **(Ger)**

[Experience with phenformin in combination with insulin or oral antidiabetic drugs in ambulatory diabetic patients] Stratmann FW. **Med Welt** 27(6):273–6, 6 Feb 76 **(Ger)**

[Diabetes therapy with a new antidiabetic Pro-Diaban] Dols W. **Ther Ggw** 115(3):428–36, Mar 76 **(Ger)**

[The effect of Glipizide on the blood glucose and insulin in non-ketotic diabetes mellitus (author's transl)] Patsch W, et al. **Wien Klin Wochenschr** 88(2):57–9, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[Effects of treatment with glipizide-metformin on the behavior of blood sugar, insulin and lipids after intravenous administration of glucose in diabetic subjects] Ferlito S, et al. **G Clin Med** 55(11):798–818, Nov 74 (Eng. Abstr.) **(Ita)**

[Second generation sulfonylurea preparations in the therapy of diabetes mellitus] Kliachko VR, et al. **Probl Endokrinol (Mosk)** 21(5):3–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Clinical trial with glypentide. Comparison with the hypoglycemic activity of other sulfonylurea compounds] López JM, et al. **Rev Iber Endocrinol** 23(134):181–96, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

SULFORIDAZINE see under **PHENOTHIAZINE TRANQUILIZERS**

SULFOXIDES

Artifacts in the centrifugation of ribosomal and heterogenous ribonucleic acid in '99%-dimethyl sulphoxide' gradients. Maxwell IH. **Biochem J** 153(2):509–12, 1 Feb 76

Methionine sulfoxide cytochrome c. Ivanetich KM, et al. **Biochemistry** 15(5):1144–53, 9 Mar 76

Letter: An application of reactions of beta-ketosulfoxides to estrone synthesis. Oikawa Y, et al. **Chem Pharm Bull (Tokyo)** 23(10):2466–7, Oct 75

Steroidal sulphur compounds. Part XII. Regiospecific formation of steroidal olefins by thermolysis of sulphoxides. Jones DN, et al. **J Chem Soc [Perkin I]** (4):459–64, 1976

[Inhibiting effect of S-adenosyl-L-homocysteine and its structural analogs on the process of enzymatic methylation of tRNA] Kogan MV, et al. **Mol Biol (Mosk)** 10(1):89–98, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Cyclization of (+)- and (-)-S-(2-methylprop-1-enyl)-L-cysteine S-oxides. Carson JF, et al. **J Chem Soc [Perkin I]** (11):1195–9, 1976

Biologically oriented organic sulfur chemistry. 14. Antiinflammatory properties of some aryl sulfides, sulfoxides, and sulfones. Brannigan LH, et al. **J Med Chem** 19(6):798–802, Jun 76

ISOLATION & PURIFICATION

Chromatographic separation of methionine, methionine sulphoxide, methionine sulphone, and their products of oral microbial metabolism. Tonzetich J. **Anal Biochem** 73(2):290–300, Jun 76

METABOLISM

Distribution, induction and purification of a monooxygenase catalyzing sulphoxidation of drugs. Prema K, et al. **Biochem Pharmacol** 25(11):1299–303, 1 Jun 76

Sulfoxide reduction in relation to organophosphorus insecticide detoxification. DeBaun JR, et al. **Science** 191(4223):187–8, 16 Jan 76

PHARMACODYNAMICS

[Inhibiting effects of aromatic sulfides, sulfoxides and sulfones on the biochemical systems of Fasciola hepatica] Benediktov II. **Med Parazitol (Mosk)** 44(4):473–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

SULFUR

The role of organic sulphur in the copper–molybdenum–S interrelationship in ruminant nutrition. Suttle NF. **Br J Nutr** 34(3):411–20, Nov 75

Sulfur, nitrogen, and carbon in the biosphere. Deevey ES Jr. **Brookhaven Symp Biol** (30):182–90, Aug 73

Atmospheric sulfur and its links to the biota. Hill FB. **Brookhaven Symp Biol** (30):159–81, Aug 73

Iron–sulphur clusters in natural and synthetic systems. Holm RH. **Endeavour** 34(121):38–43, Jan 75 (40 ref.)

Desulfurization of gasoline. Berger JE. **Environ Health Perspect** 10:131–42, Apr 75

Conversion of SO2 to sulfur particulate in the Los Angeles atmosphere. Roberts PT, et al. **Environ Health Perspect** 10:103–8, Apr 75

Further studies on the Rieske iron–sulfur center in mitochondrial and photosynthetic systems: a pK on the oxidized form. Prince RG, et al. **FEBS Lett** 65(1):117–9, 15 May 76

Crystal and molecular structure of d, l–dethiobiotin. Role of sulfur in biotin stereochemistry. Chen CS, et al. **J Am Chem Soc** 98(16):4983–90, 4 Aug 76

Letter: Iron to sulfur bonding in cytochrome C studied by x–ray photoelectron spectroscopy. Isaacson YA, et al. **J Am Chem Soc** 97(22):6603–4, 29 Oct 75

A new alkylation reagent for seleno– and thio–substituted nucleosides and related compounds. Shiue CY, et al. **J Org Chem** 41(10):1847–8, 14 May 76

Synthetic analogs of active sites of iron–sulfur proteins: bis (o–xylyldithiolato) ferrate (III) monoanion, a structurally unconstrained model for the rubredoxin Fe–S4 unit. Lane RW, et al. **Proc Natl Acad Sci USA** 72(8):2868–72, Aug 75

[Effectiveness of antidust measures in the processes of extracting and recovering native sulfur ores] Brilinskii LI, et al. **Gig Tr Prof Zabol** (7):41–2, Jul 75 **(Rus)**

ADVERSE EFFECTS

[Sanitary and hygienic evaluation of new lubricating coolant fluids to replace sulfofrezol in cold metal cutting] Medved' RA, et al. **Gig Tr Prof Zabol** (6):1–5, Jun 76 (Eng. Abstr.) **(Rus)**

[Indicators of the functional state of the liver in patients with peptic ulcer working in mining and refining of native sulfur] Iavorovich MK, et al. **Vrach Delo** (2):120–2, Feb 74 **(Rus)**

ANALYSIS

Heart cutting technique in high resolution gas chromatography applied to sulfur compounds in cigarette smoke. Bertsch W, et al. **Anal Chem** 48(6):928–31, May 76

Determination of submicrogram amounts of atmospheric particulate sulfur. Husar JD, et al. **Anal Chem** 47(12):2062–5, Oct 75

Resolution and functional characterization of two mitochondrial iron–sulphur centres of the 'high–potential iron–sulphur protein' type. Ohnishi T, et al. **Biochem J** 153(1):39–48, 1 Jan 76

Mass fragmentographic studies of sulfur compounds: the thienylthiaalkanes. Foster NG, et al. **Biomed Mass Spectrom** 1(5):297–304, Oct 74

The chemistry of sulfur and arsenic in airborne copper smelter particulates. Smith TJ, et al. **Bull Environ Contam Toxicol** 15(6):651–9, Jun 76

Automated microanalysis of sulfur containing amino acids and their derivatives. Bowie L, et al. **Clin Chim Acta** 68(3):349–53, 3 May 76

The lower detectable limit of sulfur by fast neutron activation analysis. Shani G, et al. **Int J Appl Radiat Isot** 27(7):349–50, Jul 76

High and low reduction potential 4Fe–4S clusters in Azotobacter vinelandii (4Fe–4S) 2ferredoxin I. Influence of the polypeptide on the reduction potentials. Sweeney WV, et al. **J Biol Chem** 250(19):7842–7, 10 Oct 75

Sulfhydryls and the in vitro polymerization of tubulin. Mellon MG, et al. **J Cell Biol** 70(1):226–38, Jul 76

Analysis of sulphur compounds in environmental samples with specific detection and selective columns. Bruner F, et al. **J Chromatogr** 120(1):200–2, 12 May 76

Calcium and sulfur location in human nail. Forslind B, et al. **J Invest Dermatol** 67(2):273–5, Aug 76

Determination of S in extracted leaf protein. Byers M. **J Sci Food Agric** 27(2):131–4, Feb 76

Relationship between total N, total S and the S–containing amino acids in extracted leaf protein. Byers M. **J Sci Food Agric** 27(2):135–9, Feb 76

A pseudorabies virus–specific sulfated moiety. Erickson JS. **Virology** 71(2):598–601, Jun 76

[Behavior of fat constituents during refining. 2. Total sulfur content in colza oil during different stages of refining] Franzke C, et al. **Nahrung** 16(8):867–71, 1972 (Eng. Abstr.) **(Ger)**

[Determination of total particulate sulfur in the atmosphere uring x–ray fluorescence spectrometry] Cecchetti G, et al. **Ann Ist Super Sanita** 9 Spec No 1:419–30, 1973 **(Ita)**

[Determination of the sulfate sulfur in ichthyol by titrametric methods] Kalde LIa. **Farmatsiia** 25(2):69–71, 1976 **(Rus)**

[Determination of sulfur in the air] Fradkin BI. **Gig Sanit** (5):86–7, May 76 **(Rus)**

[Catalytic method of determining certain sulfur–containing compounds (thiourea, etc.) in air] Gershkovich EE. **Gig Sanit** (9):77–9, Sep 75 **(Rus)**

[Improvement in the method and apparatus for the analysis of sulfur–containing organic compounds in the air] Guseva AI. **Gig Sanit** (6):56–7, Jun 76 **(Rus)**

DIAGNOSTIC USE

Gray scale ultrasonic investigation of focal defects on 99Tc sulphur colloid liver scanning. Garrett WJ, et al. **Radiology** 119(2):425–8, May 76

METABOLISM

Bone marrow 99m Tc sulfur colloid distribution and marrow cellularity. Henry RE, et al. **Am J Med Sci** 270(3):419–25, Nov–Dec 75

Production of cephalosporin C by single and double sulfur auxotrophic mutants of Cephalosporium acremonium. Drew SW, et al. **Antimicrob Agents Chemother** 8(1):5–10, Jul 75

Sulfur metabolism in Thiobacillus denitrificans evidence for the presence of a sulfite reducatase activity. Schedel M, et al. **Arch Microbiol** 105(3):339–41, 7 Nov 75

Letter: The tannin and oxalic acid content of Acacia aneura (Mulga) and their possible effects on sulphur and calcium availability. Gartner RJ, et al. **Aust Vet J** 52(4):194–6, Apr 76

Effects of alternative selenium and sulfur sources on dimethylselenide production by two fungi isolated from natural systems. Barkes L, et al. **Bull Environ Contam Toxicol** 15(4):504–8, Apr 76

Enzymic comparisons of the inorganic sulfur metabolism in autotrophic and heterotrophic Thiobacillus ferrooxidans. Tuovinen PH, et al. **Can J Microbiol** 22(1):109–13, Jan 76

Inhibition of growth, iron, and sulfur oxidation in Thiobacillus ferrooxidans by simple organic compounds. Tuttle JH, et al. **Can J Microbiol** 22(5):719–30, May 76

Sulfur metabolism in ruminants. II. In vivo availability of various chemical forms of sulfur. Kahlon TS, et al. **J Anim Sci** 41(4):1154–60, Oct 75

Effect of sulfur–containing dietary supplements on gizzard lining erosions. Miller D, et al. **Poult Sci** 54(2):428–35, Mar 75

Sulfated macromolecules in early embryos of Limnaea. Brahmachary RL, et al. **Z Naturforsch [C]** 31(7–8):488, Jul–Aug 76

Effect of bacterial wilt on uptake and translocation of phosphorus, sulphur, calcium, and manganese in alfalfa plants. Taimr L, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):367–86, 1975

[Degradation of sulfur compounds by pure cultures of Thiobacillus] Feldmann K, et al. **Z Allg Mikrobiol** 16(4):255–8, 1976 **(Ger)**

[Function of surface membrane structures in Thiobacillus thiooxidans] Pivovarova TA, et al. **Mikrobiologiia** 44(2):269–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Biogenic elements and sulfate reduction in a flooded oil carbonate stratum] Rozanova EP, et al. **Mikrobiologiia** 45(2):365–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of Clostridium perfringens by heated combinations of nitrite, sulfur, and ferrous or ferric ions. Asan T, et al. **Appl Environ Microbiol** 31(1):49–52, Jan 76

Activation of porcine heart mitochondrial malate dehydrogenase by zero valence sulfur and rhodanese. Agrò AF, et al. **Biochem Biophys Res Commun** 68(2):553–60, 26 Jan 76

Influence of orally administered sulfur on activity of oxidative and hydrolytic enzymes in guinea pig kidneys. Wesolowski H, et al. **Folia Morphol (Warsz)** 34(3):219–30, 1975

The effect of SO24–, NO–3, Ca2+ and temperature upon sodium–free contracture, isotonic and isometric contraction of the isolated rat right ventricle. Slavíček J. **Physiol Bohemoslov** 25(2):188–92, 1976

Predicting the effects of dietary molybdenum and sulphur on the availability of copper to ruminants. Suttle NF, et al. **Proc Nutr Soc** 35(1):22A–23A, May 76

[Effect of various drugs on the skin surface lipids] Rätz KH, et al. **Dermatol Monatsschr** 161(11):948–51, Nov 75 **(Ger)**

[Effect of large doses of pulverized sulfur on enzymatic reactions and mucous substances in guinea pig duodenum and jejunum] Wesolowski H, et al. **Ann Acad Med Stetin** 21:269–80, 1975 (Eng. Abstr.) **(Pol)**

URINE

Distribution of sulfur in urine of patients with cystathioninuria before and during administration of pyridoxine. Frimpter GW, et al. **Metabolism** 25(3):355–60, Mar 76

SULFUR AMINO ACIDS see **AMINO ACIDS, SULFUR**

SULFUR DIOXIDE

Solubility and reactivity of sulfur dioxide in various oils. Costa DL, et al. **Am Ind Hyg Assoc J** 37(1):46–51, Jan 76

Conversion of SO2 to sulfur particulate in the Los Angeles atmosphere. Roberts PT, et al. **Environ Health Perspect** 10:103–8, Apr 75

The photo–reduction of SO2. Eickenroht EY, et al. **Environ Lett** 9(3):279–91, 1975

The interaction of SO2 with proteins. Eickenroht EY, et al. **Environ Lett** 9(3):265–77, 1975

Sulfur dioxide and suspended particulate matter. Where do we stand? Biersteker K. **Environ Res** 11(3):287–304, Jun 76

[Current status of retrograde desulfurization and prognosis on its realization] Hamann R. **Gesund Ing** 96(10):290–5, Oct 75 **(Ger)**

[Computation of the effect of sulfur–reduction measures on the regional SO2 emission. SO2 as a temporary and regional problem] Löblich HJ. **Gesund Ing** 96(10):258–62, Oct 75 **(Ger)**

[Laryngotracheobronchitis and air pollution by SO2] Wemmer U, et al. **Monatsschr Kinderheilkd** 124(5):241–3, May 76 **(Ger)**

[Adding calcium salts and sulphur dioxide for preserving firmness and colour of frozen cauliflower (author's transl)] Polesello A, et al. **Riv Sci Tecn Nutr Um** 5(1):44–8, Jan–Feb 1975 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Sulfur dioxide and tracheobronchial clearance in man. Wolff RK, et al. **Arch Environ Health** 30(11):521–7, Nov 75

Pulmonary function and sulphur dioxide, some preliminary findings. Lawther PJ, et al. **Environ Res** 10(3):355–67, Dec 75

Sensory irritation of the upper respiratory tract by sulfur dioxide. Wakisaka I. **Jpn J Hyg** 30(5):543–8, Dec 75

[Citizens' movement against environmental disruption caused by the rouge–producing factory at a rural district (author's transl)] Nagira T, et al. **Jpn J Hyg** 30(5):523–35, Dec 75 (Eng. Abstr.) **(Jpn)**

[Effects of long–term exposure to a low concentration of sulfur dioxide on the mouse respiratory organs 1. Light microscopic observations] Yoda H. **Jpn J Thorac Dis** 13(7):403–12, Jul 75 (Eng. Abstr.) **(Jpn)**

[Effects of long–term exposure to sulfur dioxide of low concentration on the respiratory system of the mouse. 2. Electron microscopic observation] Yoda H. **Jpn J Thorac Dis** 13(8):443–51, Aug 75 (Eng. Abstr.) **(Jpn)**

[Isolated and combined effect of small concentrations of hydrogen fluoride and sulfur dioxide under the conditions of chronic experiment] Aitbaev TKh, et al. **Gig Sanit** (5):6–10, May 76 (Eng. Abstr.) **(Rus)**

[Sulfhydryl group content in the erythrocytes of workers in contact with carbon disulfide in the manufacturing process] Tereshchenko IuA, et al. **Gig Tr Prof Zabol** (7):54–5, Jul 76 **(Rus)**

ANALYSIS

Filter sampling method for atmospheric sulfur dioxide at background concentrations. Axelrod HD, et al. **Anal Chem** 47(14):2460–2, Dec 75

Effect of ammonia on the spectrophotometric determination of atmospheric concentrations of sulfur dioxide. Rehme KA, et al. **Anal Chem** 47(14):2474–7, Dec 75

Measurement of sulfur dioxide in automobile exhausts and industrial stack gases with a coated piezoelectric crystal detector. Karmarkar KH, et al. **Anal Chim Acta** 81(2):265–71, Feb 76

Analytical method for sulfur dioxide in air. Adams DF, et al. **Health Lab Sci** 13(1):67–70, Jan 76

Air pollution and childhood lower respiratory disease I. Exposure to sulfur oxides and particulate matter in New York, 1972. pp 321–37. Hammer DI, et al. **In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.**

Ambient ground level monitoring: a sensible control system for the industry. Baer DG, et al. **ISA Trans** 14(2):152–60, 1975

[Model study of the sulfur dioxide pollution capacity in the Ingolstadt–Neustadt region] Strauss R. **Gesund Ing** 96(10):256–7, Oct 75 **(Ger)**

[Studies on the ratio of free sulfuric acid to sulfur dioxide in the air of large cities] Hammje K, et al. **Z Gesamte Hyg** 21(10):741–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Regression model for the study of the influence of various

meterological factors on airpollution through sulfur dioxide in Sofia] Kalpasanov J, et al. **Z Gesamte Hyg** 21(3):212–4, Mar 75 (Eng. Abstr.) **(Ger)**

[Measurements on immission rates of sulfur dioxide and hydrogen chloride at Erfurt cathedral and the damage to glass paintings] Kirsch H, et al. **Z Gesamte Hyg** 22(1):7–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Views on the validity of sulfur dioxide emission parameters illustrated on the example of the city Gera] Lässig V. **Z Gesamte Hyg** 21(2):120–5, Feb 75 (Eng. Abstr.) **(Ger)**

[Chemical agents in the mechanical industry] Cecchetti G, et al. **Med Lav** 66(4):339–47, Jul–Aug 75 **(Ita)**

[2 standard methods for the determination of sulfur dioxide in the air and statistic studies of its analytical technics. Escuela Nacional de Sanidad. Departmento de Sanidad Ambiental] Anechina P, et al. **Rev Sanid Hig Publica (Madr)** 48(2):115–31, Feb 75 (Eng. Abstr.) **(Spa)**

[Relation between sulfur dioxide and its oxidation products in the air, in different weather conditions] de la Serna J. **Rev Sanid Hig Publica (Madr)** 48(12):1113–23, Dec 74 **(Spa)**

IMMUNOLOGY

[Characteristics of the sensitizing action of sulfurous anhydride and formaldehyde by various inhalation regimens] Ostapovich IK. **Gig Sanit** (2):9–13, Feb 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

History of SO2 removal system at the Meramec plant of union electric. Dreifke GE, et al. **Environ Lett** 9(4):395–403, 1975

PHARMACODYNAMICS

Influence of relative humidity on functional effects of an inhaled SO2-aerosol mixture. McJilton CE, et al. **Am Rev Respir Dis** 113(2):163–9, Feb 76

Effect of chronic sulfur dioxide inhalation on rheological properties of tracheal mucus. Litt M, et al. **Biorheology** 13(2):107–14, Apr 76

Proceedings: SO2 and the pattern of breathing. Dixon M, et al. **Bull Physiopathol Respir (Nancy)** 11(2):94P–95P, Mar–Apr 75

Effects of sulfur dioxide and bisulfite ion upon human lymphocyte membranes. Gause EM, et al. **Environ Lett** 9(3):293–305, 1975

The toxicity of sulphur dioxide towards certain lactic acid bacteria from fermented apple juice. Carr JG, et al. **J Appl Bacteriol** 40(2):201–12, Apr 76

Increased lung compliance in mice exposed to sulfur dioxide. Weiss KD, et al. **Res Commun Chem Pathol Pharmacol** 13(1):133–6, Jan 76

[Changes in the secretion of the tracheobronchial tree of rats after prolonged inhalation of SO2] pp. 229–43. Degand P, et al.
In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974. (Eng. Abstr.) **(Fre)**

[Level and stability of resistance to SO2 in wild strain of Saccharomyces ellipsoideus (author's transl)] Romano P, et al. **Riv Sci Tecn Nutr Um** 5(4):245–6, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

TOXICITY

Health effects of atmospheric sulfur dioxide and dietary sulfites. The fallacy of typology. Hickey RJ, et al. **Arch Environ Health** 31(2):108–12, Mar–Apr 76

Proceedings: From sulfur to sulfate: ancient and recent considerations. Battigelli MC, et al. **J Occup Med** 18(5):334–41, May 76

Proceedings: Oxides of sulfur. Tabershaw IR. **J Occup Med** 18(5):360–1, May 76

Combined effect of ozone and sulphur dioxide on human pulmonary function. Hazucha M, et al. **Nature** 257(5521):50–1, 4 Sep 75

[Data toward a reexamination of the MPEL of sulfurous anhydride in the air of a work area] Ivanov NG, et al. **Gig Tr Prof Zabol** (7):37–41, Jul 76 (Eng. Abstr.) **(Rus)**

SULFUR ISOTOPES

[Fractionation of stable sulfur isotopes during microbiological processes in Slavyansk lakes] Chebotarev EN, et al. **Mikrobiologiia** 44(2):304–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Fractionation of sulfur isotopes by continuous cultures of Desulfovibrio desulfuricans. Chambers LA, et al. **Can J Microbiol** 21(10):1602–7, Oct 75

SULFUR OXIDES

Sulfur dioxide and suspended particulate matter. Where do we stand? Biersteker K. **Environ Res** 11(3):287–304, Jun 76

[Reactions of 2-alkyl(or aryl)sulfinylethanol and their related compounds with carbon disulfide. Formation of trithiocarbonates and its mechanistic consideration (author's transl)] Tsuchiya Y, et al. **J Pharm Soc Jpn** 96(4):490–7, Apr 76 (Eng. Abstr.) **(Jpn)**

ANALYSIS

A simple method for the measurement of carbonyl sulfide in the presence of hydrogen sulphide. Confer RG, et al. **Am Ind Hyg Assoc J** 36(11):843–4, Nov 75

Measurement of sulfuric acid aerosol, sulfur trioxide, and the total sulfate content of the ambient air. Thomas RL, et al. **Anal Chem** 48(4):639–42, Apr 76

Determination of sulfur trioxide in engine exhaust. Arnold DR. **Environ Health Perspect** 10:117–9, Apr 75

TOXICITY

Review of the health effects of sulfur oxides. Rall DP. **Environ Health Perspect** 8:97–121, Aug 74

Biological effects of carbon monoxide vs. whole emissions from engine with catalyst. Finelli VN, et al. **J Air Pollut Control Assoc** 26(3):231–3, Mar 76

Atmospheric mutagens. I. Sulfur oxides and nitrogen oxides. Fishbein L. **Mutat Res** 32(3–4):309–30, 1976 (144 ref.)

SULFUR RADIOISOTOPES

Derived limits for 35S in food and air. Vennart J, et al. **Health Phys** 30(3):291–4, Mar 76

ADMINISTRATION & DOSAGE

[A comparison of intraocular penetration of ocular drugs during the use of contact lenses and of various methods of topical administration. An experiment with radioactive sulfate] Krejčí L, et al. **Cesk Oftalmol** 31(6):423–9, Nov 75 (Eng. Abstr.) **(Cze)**

BLOOD

A comparison of mice in rebound-thrombocytosis with platelet-hypertransfused mice for the assay of thrombopoietin. McDonald TP, et al. **Scand J Haematol** 16(5):326–34, May 76

METABOLISM

14C-glucose and 35S-metabolism of pig epiphysial cartilage and its variations after osteotomy. Beckmann J, et al. **J Bone Joint Surg [Br]** 57(4):506–10, Nov 75

THERAPEUTIC USE

Distribution and retention of 35S-sodium sulfate in man. Woodard HQ, et al. **J Nucl Med** 17(4):285–9, Apr 76

[On 35S therapy of chondrosarcoma (author's transl)] Löbe J. **Radiobiol Radiother (Berl)** 16(2):207–13, 1975 (Eng. Abstr.) **(Ger)**

[Autoradiographic and hematologic findings in high-fractionated-dosage 35S therapy of chondrosarcomas] Löbe J, et al. **Strahlentherapie [Sonderb]** 74:481–6, 1975 (Eng. Abstr.) **(Ger)**

SULFURIC ACID ESTERS see under **SULFURIC ACIDS**

SULFURIC ACIDS

UV Feulgen staining after hydrolysis in sulphuric and phosphoric acids at different concentrations and temperatures. Dutt MK. **Acta Histochem (Jena)** 54(2):331–4, 1975

Polycondensation of alpha-amino acids by pyrosulfuric acid. Denes F, et al. **Biosystems** 8(2):83–8, Jul 76

Letters: On kinetic equations for the cholesterol-sulfuric acid reaction. Chung HF. **Clin Chem** 21(10):1536, 1538, Sep 75

Recommendations for a sulfuric acid standard. Further commentary. Frank R. **J Occup Med** 17(11):730, Nov 75

Recommendations for a sulfuric acid standard. Utidjian HM. **J Occup Med** 17(11):725–9, Nov 75

A color reaction of panaxadiol with vanillin and sulfuric acid. Hiai S, et al. **Planta Med** 28(2):131–8, Oct 75

Color reaction of some sapogenins and saponins with vanillin and sulfuric acid. Hiai S, et al. **Planta Med** 29(2):116–22, Mar 76

[Reactions of morphine with reagents containing concentrated sulfuric acid] Ahlers G, et al. **Arch Pharm (Weinheim)** 308(8):650–3, Aug 75 **(Ger)**

[Hygienic evaluation of measures to decontaminate the effluents from the sulfuric acid production of copper-smelting combines] Sadilova MS, et al. **Gig Sanit** (4):98–9, Apr 76 **(Rus)**

[Role of the nature of acids and their concentrations in the bromatometric determination of arsenic in mineral waters] Nesterova LN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):355–9, Jul–Aug 75 **(Rus)**

ADVERSE EFFECTS

Sulfuric acid and streptococci clearance from respiratory tracts of mice. Fairchild GA, et al. **Arch Environ Health** 30(11):538–45, Nov 75

ANALYSIS

Effects of drying tritiated testosterone glucuronide and testosterone sulfate on counting efficiency. Darrow DC, et al. **Anal Biochem** 69(2):623–6, Dec 75

Measurement of sulfuric acid aerosol, sulfur trioxide, and the total sulfate content of the ambient air. Thomas RL, et al. **Anal Chem** 48(4):639–42, Apr 76

Method for determining H2SO4 in automobile exhaust. Kipp KL, et al. **Environ Health Perspect** 10:109–12, Apr 75

Electron microscopic autoradiography of 35SO4-labelled material closely associated with collagen fibrils in mammalian synovium and ear cartilage. Myers DB. **Histochem J** 8(2):191–9, Mar 76

Sulfuric acid aerosol. Dharmarajan V, et al. **Sci Total Environ** 4(3):279–98, Sep 75

[Studies on the ratio of free sulfuric acid to sulfur dioxide in the air of large cities] Hammje K, et al. **Z Gesamte Hyg** 21(10):741–6, Oct 75 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Preparation of adenosine 5'-phosphosulfate (APS) from adenosine 3'-phosphate 5'-phosphosulfate (PAPS) prepared by an improved procedure. Tsang ML, et al. **Anal Biochem** 74(2):623–6, Aug 76

BLOOD

The measurement of sulphated and non-sulphated bile acids in serum using gas-liquid chromatography. Campbell CB, et al. **Clin Chim Acta** 63(3):249–62, 16 Sep 75

Identification and quantitation of 16alpha-hydroxy C21 steroid sulphates in plasma from pregnant women. Baillie TA, et al. **J Steroid Biochem** 7(3):203–9, Mar 76

CHEMICAL SYNTHESIS

The preparation of L-ascorbic acid 2-sulfate-35S having a high specific activity. Muccino RR, et al. **Carbohydr Res** 47(1):172–5, Mar 76

Synthesis of the specific monosulfates of cholic acid. Parmentier G, et al. **Steroids** 26(6):721–9, Dec 75

ISOLATION & PURIFICATION

Isolation of acidic conjugates by ion pair extraction. I. Extraction of glucuronic, sulphuric and glycine conjugates. Fransson B, et al. **Acta Pharm Suec** 12(2):107–18, 1975

METABOLISM

Sulphation of p-hydroxyphenylpyruvic acid and related compounds by the rat liver cytosol. Hext PM, et al. **Biochem J** 150(2) Aug 75

Interactions of steroid sulphates, long-chain fatty acids and related compounds with a low-molecular-weight carcinogen-binding protein from rat liver. Tipping E, et al. **Biochem Soc Trans** 3(5):680–3, 1975

N-Acetylgalactosamine 4,6-bissulfate in rat urine. II. Occurrence in rat cartilage and blood. Ishihara K, et al. **Biochim Biophys Acta** 437(2):431–44, 21 Jul 76

Formation in vitro of ascorbic acid 2-sulfate. Mohamram M, et al. **Biochim Biophys Acta** 437(1):305–10, 23 Jun 76

Substrate specificity of the L-serine O-sulphate degrading activities of Pseudomonas FR. Tudball N, et al. **Biochim Biophys Acta** 429(2):616–23, 8 Apr 76

17-oxidoreduction of 17beta estradiol, estrone and their 3-sulfates by kidney slices from guinea pig and human. Hobkirk R, et al. **Can J Biochem** 53(12):1333–6, Dec 75

Hepatic metabolism of N-hydroxy-N-methyl-4-aminoazobenzene and other N-hydroxy arylamines to reactive sulfuric acid esters. Kadlubar FF, et al. **Cancer Res** 36(7 PT 1):2350–9, Jul 76 (78 ref.)

An assay for phosphotriester formation in the reaction of alkylating agents with deoxyribosenucleic acid in vitro and in vivo. Shooter KV, et al. **Chem Biol Interact** 13(3–4):223–36, Jun 76

Identifications of radioactive steroid oestrogen conjugates in bile of laying hens after intramuscular injection of (4-14C)oestrone. Common RH, et al. **Comp Biochem Physiol [B]** 53(2):239–43, 1976

Impaired lithocholate sulfation in the rhesus monkey: a possible mechanism for chenodeoxycholate toxicity. Gadacz TR, et al. **Gastroenterology** 70(6):1125–9, Jun 76

The biodegradation of some anionic detergents in the rat. A common metabolic pathway. Burke B, et al. **Xenobiotica** 5(9):573–84, Sep 75

[Sulfation of gall acids. A new quantitatively important metabolic pathway] Stiehl A. **Fortschr Med** 93(24):1092–3, 28 Aug 75 **(Ger)**

PHARMACODYNAMICS

Sulfuric acid effect on the deposition of radioactive aerosol in the respiratory tract of guinea pigs. Fairchild GA, et al. **Am Ind Hyg Assoc J** 36(8):584–94, Aug 75

Effects of methylation of the beta-galactosidase genome upon in vitro synthesis of beta-galactosidase. Chen B, et al. **Chem Biol Interact** 14(1–2):101–11, Jul 76

Removal of minor methylation products 7-methyladenine and 3-methylguanine from DNA of Escherichia coli treated with dimethyl sulphate. Lawley PD, et al. **Chem Biol Interact** 12(2):211–20, Feb 76

Effect of mineral acids on iron bacteria. Barbić FF, et al. **Z Allg Mikrobiol** 15(5):307–13, 1975

[Mutagenic effect of small doses of diethylsulfate in laboratory mice studied by specific locus method] Malashenko AM. **Genetika** 12(3):163–5, 1976 (Eng. Abstr.) **(Rus)**

POISONING

Erosive gastritis due to ingested battery acid. Burman JH. **S Afr J Surg** 13(2):123–5, Jun 75

TOXICITY

Proceedings: From sulfur to sulfate: ancient and recent considerations. Battigelli MC, et al. **J Occup Med** 18(5):334–41, May 76

URINE

The hexosamine and sulfate-containing components in the urine of normal children. Masuda H, et al. **Biochem Med** 15(2):186–9, Apr 76

N-Acetylgalactosamine 4,6-bissulfate in rat urine. I. Isolation, identification and chemical synthesis. Ishihara K, et al. **Biochim Biophys Acta** 437(2):416–30, 21 Jul 76

Urinary organic acids in man. II. Effects of individual variation and diet on the urinary excretion of acidic metabolites. Chalmers RA, et al. **Clin Chem** 22(8):1288–91, Aug 76

Urinary organic acids in man. III. Quantitative ranges and patterns of excretion in a normal population. Chalmers RA, et al. **Clin Chem** 22(8):1292–8, Aug 76

Urinary organic acids in man. I. Normal patterns. Lawson AM, et al. **Clin Chem** 22(8):1283–7, Aug 76

SULFUROUS ACID ESTERS see under **SULFUROUS ACIDS**

SULFUROUS ACIDS

BIOSYNTHESIS

Product analysis of bisulfite reductase activity isolated from Desulfovibrio vulgaris. Drake HL, et al. **J Bacteriol** 126(2):733–8, May 76

SULFURTRANSFERASES

Denaturation-induced disulfide formation in the enzyme rhodanese. Baillie RD, et al. **Biochim Biophys Acta** 429(2):383–90, 8 Apr 76

A reexamination of the postulated charge transfer interactions at the active site of the enzyme rhodanese. Baillie RD, et al. **Biochim Biophys Acta** 429(2):402–8, 8 Apr 76

The aromatic residue content of the enzyme rhodanese. Baillie RD, et al. **Biochim Biophys Acta** 427(2):594–9, 14 Apr 76

A study of the single polypeptide nature of rhodanese. A comparison of different preparations. Crawford JM, et al. **Biochim Biophys Acta** 429(1):173–81, 11 Mar 76

Spectral studies of the tryptophan exposure in the enzyme rhodanese. Guido K, et al. **Biochim Biophys Acta** 427(2):600–7, 14 Apr 76

Selenium binding to beef-kidney rhodanese. Cannella C, et al. **Eur J Biochem** 55(1):285–9, 16 Jun 75

Proceedings: Rhodanese modifications in interaction with succinate dehydrogenase. Bonomi F, et al. **Ital J Biochem** 25(2):169–70, Mar-Apr 76

The double domain structure of rhodanese. Bergsma J, et al. **J Mol Biol** 98(3):637–43, 5 Nov 75

ANALYSIS

Subcellular distribution and intramitochondrial localization of three sulfurtransferases in rat liver. Koj A, et al. **FEBS Lett** 57(1):42–6, 1 Sep 75

Transmethylation and transsulfuration enzymes in rat brains: their subcellular distribution. pp. 559–65. pp. 559–65. Rassin DK.
In: Beri S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.

Subcellular distribution of ketone body metabolizing enzymes in the rat brain. DeVivo DC, et al. **J Neurochem** 26(3):635–7, Mar 76

ANTAGONISTS & INHIBITORS

A study of dithiothreitol inactivation of the enzyme rhodanese. Kim SK, et al. **Biochem Biophys Res Commun** 67(1):433–9, 3 Nov 75

Anomalous effect of probenecid on rat brain phenolsulphotransferase. Pennings EJ, et al. **Biochem Pharmacol** 25(14):1687–90, 15 Jul 76

Inactivation of rhodanese by pyridoxal 5'-phosphate. Cannella C, et al. **Eur J Biochem** 56(1):283–7, 1 Aug 75

Inhibition of rat liver rhodanese by di-, tricarboxylic, and alpha-keto acids. Oi S. **J Biochem (Tokyo)** 78(4):825–34, October 75

Utilization of the inactivation rate of coenzyme A transferase by thiol reagents to determine properties of the enzyme-CoA intermediate. White H, et al. **J Biol Chem** 251(6):1700–7, 25 Mar 76

ISOLATION & PURIFICATION

Properties of succinyl-CoA:3-ketoacid coenzyme A transferase. White H, et al. **J Biol Chem** 251(6):1708–11, 25 Mar 76

Solubilization and partial purification of 3'-phosphoadenosine-5'-phosphosulphate: galactocerebroside sulphotransferase from rat brain. Sarlieve LL, et al. **J Neurochem** 26(1):211–5, JAN 76

METABOLISM

Determination of rhodanese activity using a pH-STAT apparatus. Cannella C, et al. **Anal Biochem** 68(2):458–64, Oct 75

The influence of cage bedding on the metabolism of sulphobromophthalein sodium by an hepatic cytosol-located enzyme system. Whelan G. **Aust J Biol Sci** 28(1):25–9, Feb 75

Contact versus energy transfer fluorescence quenching in the sulfur substituted form of the enzyme rhodanese: a study using cesium ion resolved emission spectra. Guido K, et al. **Biochem Biophys Res Commun** 67(2):670–6, 17 Nov 75

Studies on the Arylsulphatase and phenol sulphotransferase activities of Aspergillus oryzae. Burns GR, et al. **Biochem J** 149(3):697–705, Sep 75

Biosynthesis of heparin. Solubilization and partial characterization of N- and O-sulphotransferases. Jansson L, et al. **Biochem J** 149(1):49–55, Jul 75

Reduction of disulphide bonds in proteins mixed disulphides catalysed by a thioltransferase in rat liver cytosol. Mannervik B, et al. **Biochem J** 149(3):785–8, Sep 75

UDP glucuronyltransferase and phenolsulfotransferase from rat liver in vivo and in vitro--IV. Species differences in harmol conjugation and elimination in bile and urine in vivo. Mulder GJ, et al. **Biochem Pharmacol** 24(16):1481–4, 15 Aug 75

Formation in vitro of ascorbic acid 2-sulfate. Mohamram M, et al. **Biochim Biophys Acta** 437(1):305–10, 23 Jun 76

Reaction of rhodanese with dithiothreitol. Pecci L, et al. **Biochim Biophys Acta** 445(1):104–11, 12 Aug 76

Studies on a 3beta-hydroxysteroid sulphotransferase from rat liver. Ryan RA, et al. **Biochim Biophys Acta** 429(2):391–401, 8 Apr 76

Enzymic comparisons of the inorganic sulfur metabolism in autotrophic and heterotrophic Thiobacillus ferrooxidans. Tuovinen PH, et al. **Can J Microbiol** 22(1):109–13, Jan 76

RNA sulfurtransferase activity in rat liver and chemically induced hepatomas. Harris CL, et al. **Cancer Res** 35(12):3608–10, Dec 75

Enzymatic sulfation of steroids: I. The enzymatic basis for the sex difference in cortisol sulfation by rat liver preparations. Singer SS, et al. **Endocrinology** 98(4):963–74, Apr 76

Mechanism and specificity of succinyl-CoA:3-ketoacid coenzyme A transferase. White H, et al. **J Biol Chem** 251(6):1688–99, 25 Mar 76

Demonstration of enzymes related to myelinogenesis in established human brain cell cultures. Duch D, et al. **J Neurol Sci** 26(1):99–105, Sep 75

Ceramide galactosyltransferase and cerebroside sulphotransferase in chicken brain cellular fractions and glial and neuronal cells in culture. Sarlième LL, et al. **Life Sci** 18(2):251–60, 15 Jan 76

Control of 5-aminolaevulinate synthetase activity in Rhodopseudomonas spheroides. Wider de Xifra EA, et al. **Philos Trans R Soc Lond [Biol]** 273(924):79–98, 5 Feb 76

Activities of mixed function oxidases, UDP-giucuronyl transferase and sulphate conjugation enzymes in galliformes and anseriformes. Bartlet AL, et al. **Q J Exp Physiol** 61(2):105–19, Apr 76

[Sulfurtransferase activity in cultured neuronal clone cells] Sarlième LL, et al. **C R Soc Biol (Paris)** 169(5):1288–90, 1975 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Activation of porcine heart mitochondrial malate dehydrogenase by zero valence sulfur and rhodanese. Agrò AF, et al. **Biochem Biophys Res Commun** 68(2):553–60, 26 Jan 76

SULPIRIDE

ADVERSE EFFECTS

[Letter: TRH-sulpiride interrelations on prolactin secretion] Portioli I, et al. **Nouv Presse Med** 5(14):931, 3 Apr 76 **(Fre)**

ANALOGS & DERIVATIVES

[Substituted benzamides] Scotto JC. **Encephale** 1(3):223–5, 1975 (Eng. Abstr.) **(Fre)**

[Study of the action of sultopride on psychomotor agitation. Apropos of 31 cases] Mouren P, et al. **Sem Hop Paris** 52(24):1447–52, 23 Jun 76 (Eng. Abstr.) **(Fre)**

[Treatment of psychiatric emergencies with a new neuroleptic drug: sultopride] Planche R. **Sem Hop Ther** 52(4):261–2, Apr 76 **(Fre)**

[Neuroendocrine effect of sulpiride and sultopride on sexual function in rats] Soulairac A, et al. **Therapie** (4):597–612, Jul-Aug 75 **(Fre)**

ANALYSIS

Spectrophotofluorometric method for quantitative determination of sulpiride in human plasma and urine. Kleimola T, et al. **Ann Clin Res** 8(2):104–10, Apr 76

DIAGNOSTIC USE

[Studies of the prolactin functional response to the sulpiride test in patients with pituitary adenoma] Barreca T, et al. **Boll Soc Ital Biol Sper** 51(12):740–4, 30 Jun 75 **(Ita)**

PHARMACODYNAMICS

Interference of sulpiride with the mitogenic activation of lymphocytes cultured in vitro. Bellodi L, et al. **Arzneim Forsch** 26(3):416–8, 1976

Influence of sulpiride on gastrointestinal motility: experimental radiological study in the dog. Boccadoro B, et al. **Arzneim Forsch** 25(6):905–16, Jun 75

Effect of sulpiride on serum gastrin in duodenal ulcer. Dinelli CA, et al. **Arzneim Forsch** 26(3):421–4, 1976

Stimulation of human prolactin secretion by sulpiride. Kato Y, et al. **Endocrinol Jpn** 22(5):457–60, Oct 75

Antagonism of the hyperactivity induced by dopamine applied intracerebrally to the nucleus accumbens septi by typical neuroleptics and by clozapine, sulpiride and thioridazine. Costall B, et al. **Eur J Pharmacol** 35(1):161–8, Jan 76

Antagonism by sulpiride of three apomorphine-induced effects in rodents. Puech AJ, et al. **Eur J Pharmacol** 36(2):439–41, Apr 76

Influence of neuro-drugs on prenatal development. pp. 716–27. Tuchmann-Duplessis H.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Effect of sulpiride-induced hyperprolactinemia on serum testosterone response to HCG in normal men. Ambrosi B, et al. **J Clin Endocrinol Metab** 43(3):700–3, Sep 76

Effect of sulpiride on serum prolactin levels in humans. Mancini AM, et al. **J Clin Endocrinol Metab** 42(1):181–4, Jan 76

Effect of administration of sulpiride on serum follicle-stimulating hormone and luteinizing hormone levels in a group of postmenopausal women. Mancini AM, et al. **J Endocrinol** 67(1):127–8, Oct 75

Sulpiride: a study of the effects on dopamine receptors in rat neostriatum and limbic forebrain. Trabucchi M, et al. **Life Sci** 17(10):1551–6, 15 Nov 75

Central effects of thyrotropin-releasing factor (TRF); interaction with some antipsychotic drugs. Mora S, et al. **Pharmacol Biochem Behav** 4(3):279–82, Mar 76

Detection of the neuroleptic properties of clozapine, sulpiride and thioridazine. Costall B, et al. **Psychopharmacologia** 43(1):69–74, 23 Jul 75

Effect of two weeks' treatment with thioridazine, chlorpromazine, sulpiride and bromazepam, alone or in combination with alcohol, on learning and memory in man. Liljequist R, et al. **Psychopharmacologia** 44(2):205–8, 31 Oct 75

[Changes in the ENG after administration of sulpiride] Bel J. **Acta Otorhinolaryngol Belg** 29(1):127–9, 1975 **(Fre)**

[Modified swing test in rabbits. Application to the study of an antivertigo drug] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):540–52, 1975 **(Fre)**

[Proceedings: Sulpiride effects on plasmatic gonadotropins in women (author's transl)] Linquette M, et al. **Ann Endocrinol (Paris)** 36(1):49–50, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Effect of sulpiride on spontaneous mammary carcinogenesis in mice] Rudali G, et al. **C R Acad Sci [D] (Paris)** 280(9):1209–11, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Hypothalamic mechanism of the antiovulatory action of sulpiride] Hermand E, et al. **Encephale** 1(4):375–82, 1975 (Eng. Abstr.) **(Fre)**

[The contribution of sulpiride to ketamine anesthesia] Molhant G, et al. **Rev Stomatol Chir Maxillofac** 76(7):569–73, Nov 75 (Eng. Abstr.) **(Fre)**

[Effect of sulpiride on operant behavior in animals] Fontaine O, et al. **Therapie** (4):573–84, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[Effect of sulpiride on the nalorphine withdrawal symptoms in the macaca] Mercier J, et al. **Therapie** 30(2):221–4, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Neuroendocrine effect of sulpiride and sultopride on sexual function in rats] Soulairac A, et al. **Therapie** (4):597–612, Jul-Aug 75 **(Fre)**

[Acute and chronic effects of carpipramine, clozapine, haloperidol and sulpiride on the metabolism of biogenic amines in the rat brain (author's transl)] von Stralendorff B, et al. **Arzneim Forsch** 26(6):1096–8, 1976 (Eng. Abstr.) **(Ger)**

[Clinical studies of the effect of sulpirid on intraocular pressure and pupillary motility] Floru L. **Klin Monatsbl Augenheilkd** 165(6):948–52, Dec 74 (Eng. Abstr.) **(Ger)**

[Effect of sulpiride and 2Br-alfa ergocryptine on the neuroendocrine control of hPRL incretion (author's transl)] Gnudi A, et al. **Ateneo Parmense [Acta Biomed]** 46(6):571–6, Nov-Dec 75 (Eng. Abstr.) **(Ita)**

[Ineffectiveness of L-DOPA on hyperprolactinemia induced with sulpiride] Barreca T, et al. **Boll Soc Ital Biol Sper** 51(12):755–8, 30 Jun 75 **(Ita)**

[Sulpiride and intestinal motility] Lobello R, et al. **Boll Soc Ital Biol Sper** 51(17):1098–103, 15 Sep 75 **(Ita)**

[Action of sulpiride on intestinal motility] Marone G, et al. **Boll Soc Ital Biol Sper** 50(23-24):2074–9, 30 Dec 74 **(Ita)**

[Influence of several drugs on intestinal motility] Marzano LA, et al. **Boll Soc Ital Biol Sper** 51(17):1104–8, 15 Sep 75 **(Ita)**

[Prevention with sulpiride of the inhibitory effect of L-DOPA on prolactin secretion] Rolandi E, et al. **Boll Soc Ital Biol Sper** 51(12):751–4, 30 Jun 75 **(Ita)**

[Prolactin secretion stimulated by sulpiride] Ogawa N, et al. **Clin Endocrinol (Tokyo)** 23(9):927–9, Sep 75 **(Jpn)**

SECRETION

Inhibition of sulpiride on the cephalic phase of gastric acid

and gastrin secretion in duodenal ulcer patients. Lam SK, et al. **Scand J Gastroenterol** 11(1):27–31, 1976

THERAPEUTIC USE

Effect of single and repeated administration of sulpiride on the restraint ulcer in the rat. Strocchi P, et al. **Arzneim Forsch** 26(3):419–21, 1976

[Sulpiride and lactation] Fondu F. **Brux Med** 55(3):147–58, Mar 75

The evaluation of the anti-autistic activity of sulpiride. Elizur A, et al. **Curr Ther Res** 18(4):578–84, Oct 75

Clinico-pharmacological studies of sulpiride. Nishiura M. **Curr Ther Res** 20(2):164–72, Aug 76

An automated diagnostic process (PDA) in clinical psychopharmacology. An exemplification of its use in a sulpiride versus haloperidol comparative trial. Castrogiovanni P, et al. **Int Pharmacopsychiatry** 11(2):74–83, 1976

Letter: Sulpiride as a demorphinization agent. De Permentier A. **Med J Aust** 1(4):98, 24 Jan 76

Sulpiride in school phobia. Abe K. **Psychiatr Clin (Basel)** 8(3):95–8, 1975

The computer diagnosis in a multicenter study of psychoactive agents. Cassano GB, et al. **Psychopharmacol Bull** 12(2):22–4, Apr 76

Letter: Sulpiride in depressive school phobic children. Abe K. **Psychopharmacologia** 43(1):101, 23 Jul 75

Therapeutical efficacy of a combination of apomorphine with sulpiride or metoclopramide in Parkinsonism. Corsini GU, et al. **Psychopharmacologia** 47(2):169–73, 28 May 76

[Our experiences with Eglonil in the treatment of child behavior disorders] Zeškov P. **Neuropsihijatrija** 22(1–4):149–53, 1974 (Eng. Abstr.) **(Cro)**

[Sulpiride in the withdrawal of non-ethylic drug addiction] Carrère J, et al. **Ann Med Psychol (Paris)** 1(2):266–71, Feb 76 **(Fre)**

[Study of the clinical effects of sulpiride and perphenazine in 82 schizophrenic patients by the double blind method] Asada S, et al. **Encephale** 2(1):73–83, 1976 (Eng. Abstr.) **(Fre)**

[The role of sulpiride in the therapeutic strategy of severe gastro-duodenal ulcers in surgery] Leguyader A. **Med Chir Dig** 5(4):255–8, 1976 **(Fre)**

[Sulpiride among the latest antidepressive technics. What is to be said or thought about it today?] Collard J. **Rev Med Liege** 31(4):135–8, 15 Feb 76 (Eng. Abstr.) **(Fre)**

[Dogmatil or sulpiride: attempted compendium] Dufrasne M, et al. **Rev Med Liege** 30(22):792–3, 15 Nov 75 **(Fre)**

[Sulpiride and hyperkinetic syndromes] Chartier JP. **Rev Neuropsychiatr Infant** 22(10–11):701–7, Oct–Nov 74 **(Fre)**

[Dogmatil and internal medicine. Viewpoint of a practitioner] Assael J. **Sem Hop Ther** 51(1):53–4, Jan 75 **(Fre)**

[Value of combination of sulpiride and clomiprmaine in certain depressive states (apropos of 2 cases] Bercegeay R, et al. **Sem Hop Ther** 51(3):209–10, Mar 75 **(Fre)**

[Essential enuresis in children and Dogmatil] Carcassonne M. **Sem Hop Ther** 50(10):697–9, Dec 74 **(Fre)**

[Gastroduodenal ulcer in children and sulpiride] Gottot S, et al. **Sem Hop Ther** 51(2):125–7, Feb 75 **(Fre)**

[Sulpiride treatment of the withdrawal syndrome in heroin-addicted dogs] la Barre J. **Sem Hop Ther** 51(3):159–62, Mar 75 **(Fre)**

[Value of Dogmatil in the retraining and rehabilitation of aged subjects. Apropos of 20 cases] Marduel YN. **Sem Hop Ther** 51(5–6):349–50, May–Jun 75 **(Fre)**

[Trial of sulpiride in child psychiatry] Theodorides M. **Sem Hop Ther** 51(4):281–2, Apr 75 **(Fre)**

[Sulpiride in the management of gastroduodenal ulcers. A comparative double-blind study] Molle M. **Fortschr Med** 93(22–23):1077–82, 14 Aug 75 (Eng. Abstr.) **(Ger)**

[Treatment of erythroprosopalgia (Horton's neuralgia) with sulpiride] Glasner H. **Z Allgemeinmed** 51(2):76–8, 20 Jan 75 **(Ger)**

[Sulpiride in the rehabilitation of alcoholics] Klippel E. **Z Allgemeinmed** 51(35):1643–8, 20 Dec 75 **(Ger)**

[Treatment of various psychosomatic and age-related disorders with Dogmatil in ambulatory practice] Legal HP. **Z Allgemeinmed** 51(32):1489–91, 20 Nov 75 **(Ger)**

[Therapy of various forms of senile depressions with sulpirid (Dogmatil)] Müller RB. **Z Allgemeinmed** 51(33):1546–8, 30 Nov 75 **(Ger)**

[Current aspects in the treatment of gastroduodenal ulcers and related diseases. Results of a field study on sulpiride (Dogmatil) in ambulatory practice] Lembeck K, et al. **ZFA (Stuttgart)** 52(24):1255–9, 31 Aug 76 **(Ger)**

[Anti-emetic action of sulpiride in orthopedic surgery] Turra S, et al. **Clin Ortop** 24(4):272–80, Oct–Dec 73 (Eng. Abstr.) **(Ita)**

[Eglonyl in the treatment of peptic ulcer] Czarnecka K. **Pol Tyg Lek** 31(23):995–7, 7 Jun 76 (Eng. Abstr.) **(Pol)**

[Our experience with Dogmatil (sulpiride) in psychiatry (author's transl)] Rodriguez Fernández V, et al. **Folia Clin Int (Barc)** 25(6):372–8, Jun 75 **(Spa)**

SULTHIAME see under **THIAZINES**

SUNBURN

Letter: Variation of erythema with monochromator bandwidth. Diffey BL. **Arch Dermatol** 111(8):1070, Aug 75

Failure of leucovorin rescue to prevent reactivation of a solar burn after high dose methotrexate. Corder MP, et al. **Cancer** 37(4):1660–2, Apr 76

Let there be light. Wilentz JM, et al. **J Fla Med Assoc** 63(1):57–9, Jan 76

DRUG THERAPY

Indomethacin: treatment for sunburn or investigative tool in ultraviolet inflammation? Eaglstein WH. **Int J Dermatol** 14(7):501–2, Sep 75

The influence of corticosteroids and topical indomethacin on sunburn erythema. Kaidbey KH, et al. **J Invest Dermatol** 66(3):153–6, Mar 76

Effect of topical indomethacin on UVR-induced redness and prostaglandin E levels in sunburned guinea pig skin. Snyder DS. **Prostaglandins** 11(4):631–43, Apr 76

PATHOLOGY

Ultraviolet-induced individual cell keratinization. Olson RL, et al. **J Cutan Pathol** 1(3):120–5, 1974

PHYSIOPATHOLOGY

Let there be light. Wilentz JM, et al. **J Fla Med Assoc** 63(1):57–9, Jan 76

PREVENTION & CONTROL

Ability of PABA to protect mammalian skin from ultraviolet light-induced skin tumors and actinic damage. Synder DS, et al. **J Invest Dermatol** 65(6):543–6, Dec 75

Phytoene as a protective agent against sunburn (greater than 280 nm) radiation in guinea pigs. Mathews-Roth MM, et al. **Photochem Photobiol** 21(4):261–3, Apr 75

[Protection against light in normal and diseased skin] Tronnier H. **Hautarzt** 27(1):12–5, Jan 76 (Eng. Abstr.) **(Ger)**

SUNLIGHT

Histology of the iris in geese and ducks photosensitized by ingestion of Ammi majus seeds. Barishak YR, et al. **Acta Ophthalmol (Kbh)** 53(4):585–90, Sep 75

Severe solar maculopathy associated with the use of lysergic acid diethylamide (LSD). Fuller DG. **Am J Ophthalmol** 81(4):413–6, Apr 76

Skin cancer, melanoma, and sunlight. Fears TR, et al. **Am J Public Health** 66(5):461–4, May 76

Solar retinopathy. Galainena ML. **Ann Ophthalmol** 8(3):304–6, Mar 76

Letter: Sun and fungi. Dilaimy MS. **Arch Dermatol** 112(8):1175, Aug 76

Phototherapy. Dobbs RH, et al. **Arch Dis Child** 50(11):833–6, Nov 75

Solar urticaria. A case with possible increase of skin mast cells. Baart de la Faille H, et al. **Br J Dermatol** 92(1):101–7, Jan 75

Treatment of solar keratoses with a 5-fluorouracil and salicylic acid varnish. Goncalves JC. **Br J Dermatol** 92(1):85–8, Jan 75

Letter: Is actinic (solar) damage the provoking cause of 'post-inflammatory elastolysis and cutis laxa (PECL)'? O'Brien JP. **Br J Dermatol** 95(1):105–6, Jul 76

Treatment of solar keratoses of the extremities with retinoic acid and 5-fluorouracil. Robinson TA, et al. **Br J Dermatol** 92(6):703–6, Jun 75

Eclipse blindness. El-Massri A, et al. **Bull Ophthalmol Soc Egypt** 67:159–66, 1974

Measurement of the reflectances for solar radiation of the coats of live animals. Hutchinson JC, et al. **Comp Biochem Physiol [A]** 52(2):343–9, 1 Oct 75

Physiological correlates of basking in amphibians. Lillywhite HB. **Comp Biochem Physiol [A]** 52(2):323–30, 1 Oct 75

Sun and skin. Jung EG. **Dermatologica** 151(5):257–67, 1975

Reactions of animals during the partial solar eclipses in Poland in 1959, 1966, 1969 and 1971. Majlert Z, et al. **Folia Biol (Krakow)** 23(3):267–78, 1975

Effect of the partial eclipse of the sun on 15th February 1961 on animal behaviour. Majlert Z, et al. **Folia Biol (Krakow)** 23(3):245–66, 1975

Ethological and ecological analysis of animal behaviour during an eclipse of the sun. Wojtusiak RJ, et al. **Folia Biol (Krakow)** 24(2):191–211, 1976

Experimental modification of photocarcinogenesis. III. Simulation of exposure to sunlight and fluorescent whitening agents. Forbies PD, et al. **Food Cosmet Toxicol** 13(3):343–5, Jun 75

Solar power via satellite. pp. 433–46. Glaser PE, et al. **In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.**

Some aspects of airborne particles and radiation in the atmosphere. pp. 1286–98. Hidy GM. **In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.**

Molecular mechanisms in radiation carcinogenesis. pp. 63–5. Setlow RB. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Ultraviolet measurements at the Dead Sea and at Beersheba. Kushelevsky AP, et al. **Isr J Med Sci** 11(5):488–90, May 75

Editorial: Photochemotherapy of psoriasis. **Med J Aust** 1(10):288, 6 Mar 76

Solar energy for healthcare. Downey GW. **Mod Health Care** 4(4):18–22, 24–6, Oct 75

Nursing home puts itself in hot water and lowers it electricity bill. Fisher S. **Mod Health Care** 4(4):22–3, Oct 75

Hospital saves heat from people and sun; heat saves hospital $80,000. Lazorko L. **Mod Health Care** 4(4):20–1, Oct 75

Inhibition by sunlight of the growth of Escherichia coli B/r. Jagger J. **Photochem Photobiol** 22(1–2):67–70, Jul–Aug 75

The human fovea after sungazing. Tso MO, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP788–95, Nov–Dec 75

Part II: The photic environment of clear tropical seas during the day. McFarland WN, et al. **Vision Res** 15:1063–70, Oct 75

[Effect of sunlight on neonatal hyperbilirubinemia] Hodr R, et al. **Cesk Pediatr** 30(4):160–1, Apr 75 (Eng. Abstr.) **(Cze)**

[Enzootic calcinosis in cattle. VIII. Studies on the possible significance of sunlight (UV-rays) for the etiology of calcinosis as well as of the calcinogenic activity of dried yellow oat grass (Trisetum flavescens L.P.B.)] Dirksen G, et al. **Dtsch Tieraerztl Wochenschr** 82(10):387–90, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Daylight and artificial light in apartments, past and present] Dahmen E. **Gesund Ing** 97(1–2):10–6, Jan–Feb 76 **(Ger)**

[Maculopathia solaris after ingestion of LSD (author's transl)] van Domarus D. **Klin Monatsbl Augenheilkd** 166(4):547–9, Apr 75 (Eng. Abstr.) **(Ger)**

[Treatment of psoriasis (author's transl)] Ormea F. **Munch Med Wochenschr** 118(25):811–6, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Modification in all-trans-retinal, 9-cis-retinal and 11-cis-retinal caused by exposure to sunlight] Cacioppo F, et al. **Biokhimiia** 40(2):233–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[A hygienic substantiation of the use of devices protecting from sun rays in class-rooms in school buildings] Aharova MA, et al. **Gig Sanit** (10):106–7, Oct 75 **(Rus)**

[A hygienic assessment of an experimental house-lens made of framecement casing] Grigor'eva MN, et al. **Gig Sanit** (10):108–10, Oct 75 **(Rus)**

[Possibility of using solar radiation for dehelminthization of sewage sediments] Romanenko NA, et al. **Med Parazitol (Mosk)** 44(2):227–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Utilization of the ultraviolet radiation of the sun during the cool period of the year at Sochi health resort] Kunichev LA. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):26–30, Jan–Feb 75 **(Rus)**

[Duration of sunbathing in the course of helioaerotherapy] Khachatrian AS, et al. **Zh Eksp Klin Med** 15(4):103–6, 1975 **(Rus)**

[Summer lichenoid papulosis] Piñol Aguadé J, et al. **Med Cutan Iber Lat Am** 3(3):193–8, 1975 (Eng. Abstr.) **(Spa)**

[Effect of direct sunbeams on spores of Clostridium botulinum and Clostridium perfringens of the types A] Mikitiuk PV. **Mikrobiol Zh** 37(2):152–4, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

SUNSCREENING AGENTS

The development of a sunscreen. Delaney K, et al. **Aust Fam Physician** 5(1):55–68, Jan–Feb 76

Protection against long ultraviolet and/or visible light with topical dihydroxyacetone. Implications for the mechanism of action of the sunscreen combination, dihydroxyacetone/naphthoquinone. Fusaro RM, et al. **Dermatologica** 150(6):346–51, 1975

The inefficacy of riboflavin against ultraviolet-induced carcinogenesis. Pacernick LJ, et al. **J Invest Dermatol** 65(6):547–8, Dec 75

Ability of PABA to protect mammalian skin from ultraviolet light-induced skin tumors and actinic damage. Synder DS, et al. **J Invest Dermatol** 65(6):543–6, Dec 75

Problems in assessing new compounds as topical sunscreens. Black AK. **Proc R Soc Med** 68(5):274–5, May 75

[Local anti-inflammatory and anti-actinic action of oil extracted from Plantago sp. seeds] Moisă L, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):585–7, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Letter: Sunscreens containing aminobenzoic acid esters. Kechijian P. **Arch Dermatol** 112(4):554, Apr 76

PHARMACODYNAMICS

[Statistical evaluation of light protection factors] Hoppe VU, et al. **Arzneim Forsch** 25(5):817–25, May 75 (Eng. Abstr.) **(Ger)**

[The testing of sunscreening agents under practice-like conditions on rat skin in vitro] Ankermann KJ, et al. **Dermatol Monatsschr** 161(4):281–6, Apr 75 (Eng. Abstr.) **(Ger)**

[In vitro effect of radiation-active substances on pathogenic germs] Plempel M, et al. **Z Hautkr** 50(12):536, 15 Jun 75 **(Ger)**

[Action of N-nitroso-N-methylbiuret on Penicillium nigricans Thom and the protective effect in UV irradiation] Kommunarskaia AD, et al. **Antibiotiki** 21(2):108–12, Feb

76 (Eng. Abstr.) **(Rus)**

POISONING

Letter: Vitamin A toxicity. Straughan JL. **S Afr Med J** 50(5):123, 31 Jan 76

THERAPEUTIC USE

A study of chemical light screening agents. Macleod TM, et al. **Br J Dermatol** 92(4):417–25, Apr 75

Light eruption. Montes LF. **J Cutan Pathol** 3(1):60–1, 1976

[Photodermatoses and antisolar protection] Frenk E. **Rev Med Suisse Romande** 95(11):851–8, Nov 75 **(Fre)**

[Protection against light in normal and diseased skin] Tronnier H. **Hautarzt** 27(1):12–5, Jan 76 (Eng. Abstr.) **(Ger)**

SUPEREGO

Superego processes in a collective society: the Israeli kibbutz. Rabkin LY. **Int J Soc Psychiatry** 21(2):79–86, Summer 75

Performance of student nurses on the IES Test: patterns of impulse, ego, and superego functioning. Gardiner HW. **Percept Mot Skills** 43(1):254, Aug 76

SUPERFETATION

Alpha-fetoprotein concentration in cord blood from twins and from a set of quadruplets—a case of superfetatio? Norgaard-Pedersen B, et al. **Hum Hered** 26(1):72–80, 1976

Preliminary results on plasma progesterone levels during pregnancy and superfetation in the hare, Lepus Europaeus. Caillol M, et al. **J Reprod Fertil** 46(1):61–4, Jan 76

Anomalous litters in hybrid mice and the retention of spermatozoa in the female tract. Ullmann SL. **J Reprod Fertil** 47(1):13–18, May 76

SUPERIOR COLLICULUS

Sustained downgaze deviation. Two cases without structural pretectal lesions. Keane JR, et al. **Neurology (Minneap)** 26(6 PT 1):594–5, Jun 76

ANALYSIS

Proceedings: GABA concentration in the layers of the superior colliculus. Okada Y. **J Physiol Soc Jpn** 36(8–9):293–4, 1 Sep 74

ANATOMY & HISTOLOGY

Interhemispheric projections of the optic tectum in pigeon. Voneida TJ, et al. **Brain Behav Evol** 11(2):91–108, 1975

The cortical projections of the inferior pulvinar and adjacent lateral pulvinar in the rhesus monkey (Macaca mulatta): an autoradiographic study. Benevento LA, et al. **Brain Res** 108(1):1–24, 21 May 76

Anatomical organization of retinotectal afferents in the cat: an autoradiographic study. Graybiel AM. **Brain Res** 96(1):1–23, 10 Oct 75

Mode of termination of retinotectal fibers in macaque monkey: an autoradiographic study. Hubel DH, et al. **Brain Res** 96(1):25–40, 10 Oct 75

Stability of implanted duplicate tectal positional markers serving as targets for optic axons in adult frogs. Jacobson M, et al. **Brain Res** 92(3):468–71, 18 Jul 75

Discontinuous mapping of retina onto tectum innervated by both eyes. Levine RL, et al. **Brain Res** 98(1):172–6, 7 Nov 75

Projections from the superior colliculus to the dorsal lateral geniculate nucleus of the grey squirrel (Sciurus carolinensis) Robson JA, et al. **Brain Res** 113(2):379–85, 27 Aug 76

Visual projection in surgically created 'compound' tectum in adult goldfish. Sharma SC. **Brain Res** 93(3):497–501, 15 Aug 75

Dendritic patterns of neurons in the rat superior colliculus. Tokunaga A, et al. **Exp Neurol** 52(2):189–205, Aug 76

Projections from the tectum mesencephali to the brain stem structures in the rat. Petrovický P. **Folia Morphol (Praha)** 24(1):41–8, 1976

Crossing axons in the third nerve nucleus. Bienfang DC. **Invest Ophthalmol** 14(12):927–31, Dec 75

The organisation of the spinotectal projection. An experimental study in the rat. Antonetty CM, et al. **J Comp Neurol** 163(4):449–65, 15 Oct 75

Organization of the tectofugal visual pathway in the pigeon: a retrograde transport study. Benowitz LI, et al. **J Comp Neurol** 167(4):503–20, 15 Jun 76

Projections of the optic tectum in two teleost species. Ebbesson SO, et al. **J Comp Neurol** 165(2):161–80, 15 Jan 76

The connections and laminar organization ofthe optic tectum in a reptile (Iguana iguana). Foster RE, et al. **J Comp Neurol** 163(4):397–425, 15 Oct 75

Organization of retinocollicular pathways in the cat. Harting JK, et al. **J Comp Neurol** 166(2):133–44, 15 Mar 76

Tectal efferents in the blind cave fish Astyanax hubbsi. Sligar CM, et al. **J Comp Neurol** 165(1):107–24, 1 Jan 76

Functional organization in the superior colliculus of the golden hamster. Tiao YC, et al. **J Comp Neurol** 168(4):483–503, 15 Aug 76

Sensorimotor function of the midbrain tectum. I. Introduction. What is the optic tectum? **Neurosci Res Program Bull** 13(2):173–9, May 75

Mammalian tectum: intrinsic organization, afferent inputs, and integrative mechanisms. Anatomical substrate. Sprague JM. **Neurosci Res Program Bull** 13(2):204–13, May 75

Fibroarchitectonic relationships between the tectospinal and tecto-olivary tracts. An experimental anatomical study in the cat. Liu DS. **Okajimas Folia Anat Jpn** 52(4):215–32, Oct 75

The nervous endings in the tectum opticum of the chicken. Fernández Ruiz B, et al. **Trab Inst Cajal Invest Biol** 63:93–102, 1971

[The pathways and primary visual centers of Discoglossus pictus (Amphibia, Anura)] Picouet MJ, et al. **C R Acad Sci [D] (Paris)** 281(24):1979–82, 22 Dec 75 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Effects of stroboscopic rearing on the binocularity and directionality of cat superior colliculus neurons. Flandrin JM, et al. **Brain Res** 101(3):576–81, 23 Jan 76

Cat retinal ganglion cells projecting to the superior colliculus as shown by the horseradish peroxidase method. Magalhães-Castro HH, et al. **Exp Brain Res** 25:541–9, 28Jul 76

Bilateral cortico-tectal projection from the visual cortex in the cat. Powell TP. **Nature** 260(5551):526–7, 8 Apr 76

Localization of directionally selective and movement sensitive cells in the optic tectum of the pigeon. Jassik-Gerschenfeld D, et al. **Vision Res** 15:1037–8, Aug-Sep 75

[Correlation of deep neuron activity of the superior colliculus and slow eye movements] Arduini A, et al. **Boll Soc Ital Biol Sper** 51(20):1451–4, 30 Oct 75 **(Ita)**

DRUG EFFECTS

Time- and dose-dependent influence of ouabain on the ultrastructure of optic neurones. Wolburg H. **Cell Tissue Res** 164(4):503–17, 18 Dec 75

Vinblastine: influence on nerve conduction and synaptic transmission. Felder M. **J Neurosci Res** 1(2):121–9, 1975

[Effects of anesthetics on ponto-geniculo-occipital waves from the oculomotor nucleus of the cat. I. Neurophysiological significance of the PGO wave] Ashizawa N. **Jpn J Anesthesiol** 25(2):109–19, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

[Effects of anesthetics on ponto-geniculo-occipital wave as recorded at the oculomotor nucleus of the cat. 2. Effects of anesthetics on PGO waves] Ashizawa N. **Jpn J Anesthesiol** 25(3):243–50, Mar 76 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Retinal-tectal connections in the embryonic chick: evidence for regionally specific cell surface components which mimic the pattern of innervation. Balsamo J, et al. **Dev Biol** 49(2):338–46, Apr 76

Adhesive recognition between developing retinal cells and the optic tecta of the chick embryo. Barbera AJ. **Dev Biol** 46(1):167–91, Sep 75

The development of the retino-tectal projection in Rana pipiens. Currie J, et al. **Dev Biol** 46(1):103–19, Sep 75

Ganglioside, protein, hexose, and sialic acid changes in the trisected optic tectum of the chick embryo. Irwin LN, et al. **Dev Biol** 49(1):29–39, Mar 76

Development of intertectal neuronal connections in xenopus: the effects of contralateral transposition of the eye and of eye removal. Beazley LD. **Exp Brain Res** 23(5) 14 Nov 75

Neurogenesis in the visual system of the rat. An autoradiographic investigation. Brückner G, et al. **J Comp Neurol** 166(2):245–55, 15 Mar 76

The effects of early tectal lesions on development in the retinal gonglion cell layer of chick embryos. Franklin Hughes W, et al. **J Comp Neurol** 163(3):265–83, 1 Oct 75

Reorganization of retinotectal projection of compound eyes after various tectal lesions in Xenopus. Straznicky K. **J Embryol Exp Morphol** 35(1):41–57, Feb 76

Polarity of structure and of ordered nerve connections in the developing amphibian brain. Chung SH, et al. **Nature** 258(5531):126–32, 13 Nov 75

Temporal changes in tectal cell surface specificity induced by nerve growth factor. Merrell R, et al. **Proc Natl Acad Sci USA** 72(11):4270–4, Nov 75

[Stratification in the central nervous system] Menkes B, et al. **Z Mikrosk Anat Forsch** 89(1):63–78, 1975 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Laminar Acetylcholinesterase localization in the optic tectum of five seawater teleosts. Contestabile A. **Experientia** 32(5):625–7, 15 May 76

Histochemical localization of acetylcholinesterase in the cerebellum and optic tectum of four freshwater teleosts. Contestabile A, et al. **Histochemistry** 45(4):279–88, 19 Dec 75

GROWTH & DEVELOPMENT

Secondary effects of fetal eye damage in rats on intact central optic projections. Lund RD, et al. **Brain Res** 92(2):279–89, 11 Jul 75

Binocular interaction and intertectal neuronal connexions: dependence upon developmental stage. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):445–66, 16 Dec 75

Visual deprivation and intertectal neuronal connexions in Xenopus laevis. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):467–74, 16 Dec 75

METABOLISM

An evaluation of L-glutamate as the transmitter released from optic nerve terminals of the pigeon. Beart PM. **Brain Res** 110(1):99–114, 25 Jun 76

Biochemical studies of transneuronal degeneration: the effects of enucleation on the biochemical maturation of the chick optic tectum. Carton HC, et al. **Brain Res** 67(2):289–306, 22 Feb 74

Association of proteins undergoing slow axonal transport with goldfish visual system myelin. Elam JS. **Brain Res** 97(2):303–15, 31 Oct 75

Release of exqenous glycine in the pigeon optic tectum during stimulation of a midbrain nucleus. Reubi JC, et al. **Brain Res** 112(2):347–61, 13 Aug 76

Receptors for alpha-bungarotoxin in the developing visual system of the chick. Wang GK, et al. **Brain Res** 114(3):524–9, 24 Sep 76

Influence of functional activity on local cerebral glucose utilization. pp. 385–8. Sokoloff L. **In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.**

The effect of cordycepin on the appearance of [3H]RNA in the goldfish optic tectum following intraocular injection of [3H]uridine. Ingoglia NA, et al. **J Neurochem** 27(1):179–84, Jul 76

Increase by visual stimuli in turnover of 5-hydroxytryptamine in the superior colliculi of the rabbit. Fukui K, et al. **J Physiol (Lond)** 254(2):519–29, Jan 76

PATHOLOGY

An aberrant crossed visual corticotectal pathway in albino rats. Mustari MJ, et al. **Brain Res** 112(1):37–44, 6 Aug 76

The tectum and the aqueduct of Sylvius in hydrocephalus unassociated with myelomeningocele. Shellshear I, et al. **Dev Med Child Neurol [Suppl]** (35):26–34, 1975

PHYSIOLOGY

Basic relationships for visual information processing in optic tectum of fish. Vanegas H. **Acta Cient Venez** 25(3):98–106, 1974

The effect of background illumination on the responses of the neurons of the cat's superior colliculus to moving stimuli. Harutiunian-Kozak B, et al. **Acta Neurobiol Exp (Warsz)** 35(2):105–14, 1975

Physiological aspects of visual perception. II. The subcortical visual direction of behavior. Denny-Brown D, et al. **Arch Neurol** 33(4):228–42, Apr 76

Spatial and temporal organization of the binocular input to frog optic tectum. Raybourn MS. **Brain Behav Evol** 11(3–4):161–78, 1975

Effects of pretectal lesions on rats wearing light-diffusing occluders. Blochert PK, et al. **Brain Res** 104(1):121–8, 5 Mar 76

Retinal afferents to the pigeon optic tectum: discharge characteristics in response to whole field illumination. Duff TA, et al. **Brain Res** 92(1):1–19, 4 Jul 75

Superior colliculus lesions do not impair orientation to pattern. Dyer RS, et al. **Brain Res** 112(1):176–9, 6 Aug 76

Synaptic actions of tectofugal pathways on abducens motoneurons in the cat. Grantyn AA, et al. **Brain Res** 105(2):269–85, 26 Mar 76

Patterned responses from widefield T2 neurones in the fish tectum. Guthrie DM, et al. **Brain Res** 104(2):321–4, 12 Mar 76

Impaired orientation after primate tectal lesions. Keatin EG. **Brain Res** 67(3):538–41, 8 Mar 74

Effects of tectal lesions on peripheral field vision in the monkey. Keating EG. **Brain Res** 104(2):316–20, 12 Mar 76

Patterns of retinal projections to the lateral geniculate nucleus and superior colliculus of rats with induced unilateral congenital eye defects. Land PW, et al. **Brain Res** 103(2):394–9, 20 Feb 76

Distribution of direct Y-cell inputs to the cat's superior colliculus: are there spatial gradients? McIlwain JT, et al. **Brain Res** 103(1):133–8, 13 Feb 76

Visual receptive fields of single striate corical units projecting to the superior colliculus in the cat. Palmer LA, et al. **Brain Res** 67(1):27–42, 15 Feb 74

The effect of passive eye movement on unit discharge in the superior colliculus of the cat. Rose PK, et al. **Brain Res** 97(1):95–106, 24 Oct 75

Eye movements evoked by superior colliculus stimulation in the alert cat. Roucoux A, et al. **Brain Res** 106(2):349–63, 23 Apr 76

Recovery of depressed superior colliculus activity in neodecorticate opossum through the destruction of the contralateral superior colliculus. Saraiva PE, et al. **Brain Res** 112(1):168–75, 6 Aug 76

Size and distribution of movement fields in the monkey superior colliculus. Sparks DL, et al. **Brain Res** 113(1):21–34, 20 AUG 76

A model of an early 'off' response in frog optic tectum. Stevens RJ. **Brain Res** 67(1):51–63, 15 Feb 74

Receptive area of an infrared tectal unit. Terashima SI, et al. **Brain Res** 101(1):155–9, 9 Jan 76

A late component of flash-evoked potentials in the cat's optic chiasma and superior colliculus: its appearance due to background illumination. Uramoto I. **Brain Res** 98(2):303–10, 14 Nov 75

Visual discrimination between spatially separated stimuli by cats with lesions of the superior colliculus–pretectum. Winterkorn JM. **Brain Res** 100(3):523–41, 26 Dec 75

Selection of visual targets for the initiation of saccadic eye movements. Wurtz RH, et al. **Brain Res** 71(2–3):209–14, 17 May 74

Topographic polarity of the optic tectum studied by reimplantation of the tectal tissue in adult goldfish. Yoon MG. **Cold Spring Harbor Symp Quant Biol** 40:503–19, 1975

Development of visually evoked responses and visually guided behavior in kittens: effects of superior colliculus and lateral geniculate lesions. Atwell CW, et al. **Dev Psychobiol** 8(5):465–78, Sep 75

Early versus late visual cortex lesions: effects on receptive fields in cat superior colliculus. Berman N, et al. **Exp Brain Res** 25(2):131–7, 28 May 76

Effects of tectal slits on the anomalous corticotectal fibres. Leong SK. **Exp Brain Res** 25(3):225–30, 18 Jun 76

Visual neglect in the tree shrew after interruption of the descending projections of the deep superior colliculus. Raczkowski D, et al. **Exp Neurol** 50(1):14–29, Jan 76

Effects of deafferentation on the development of the isthmo-optic nucleus in the duck (Anas platyrhynchos). Sohal GS. **Exp Neurol** 50(1):161–73, Jan 76

The tectal commissure and interocular transfer of a shape discrimination in the goldfish. Yeo CH, et al. **Exp Neurol** 49(1 Pt 1):291–8, Oct 75

Influence of the visual cortex upon collicular evoked responses in the rabbit. Molotchnikoff S, et al. **Experientia** 32(1):72–4, 15 Jan 76

Neurotransmitters and the isolated optic tract–superior colliculus of the guinea pig. pp. 219–27. McIlwain H. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.** (22 ref.)

Dynamics of changes in the responses of superior colliculi neurons of the unanesthetized rabbit during repeated light stimulation. pp 101–9. Dubrovinskaya NV. **In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.**

Visual localization and discrimination in squirrel monkeys with bilateral lesions of the superior colliculus. Vetter RJ. **Int J Neurosci** 6(5):215–21, 1975

Alterations in receptive field properties of superior colliculus cells produced by visual cortex ablation in infant and adult cats. Mize RR, et al. **J Comp Neurol** 168(3):393–424, 1 Aug 76

Regeneration of retinal axons into the goldfish optic tectum. Murray M. **J Comp Neurol** 168(2):175–95, 15 Jul 76

Sensorimotor responsiveness in rats with unilateral superior collicular and amygdaloid lesions. Kirvel RD. **J Comp Physiol Psychol** 89(8):882–91, Oct 75

Topography of visual and somatosensory projections to mouse superior colliculus. Dräger UC, et al. **J Neurophysiol** 39(1):91–101, Jan 76

Effects of early binocular deprivation on visual input to cat superior colliculus. Hoffmann KP, et al. **J Neurophysiol** 38(5):1049–59, Sep 75

Relationship between visual and tactile representations in cat superior colliculus. Stein BE, et al. **J Neurophysiol** 39(2):401–19, Mar 76

Single-cell responses associated with rhythmic slow-wave potentials in rat superior colliculi. Anderson KV, et al. **J Neurosci Res** 1(5–6):343–51, 1975

Proceedings: The persistence of patterned responses, and border enhancement in T2 visual interneurones in the fish tectum. Banks JR, et al. **J Physiol (Lond)** 257(1):37P–38P, May 76

Cortical suppression of the ritino-collicular pathway in the monocularly deprived cat. Berman N, et al. **J Physiol (Lond)** 255(1):263–73, Feb 76

Proceedings: Retinotopic organization in visual cortex and superior colliculus of the golden hamster. Blakemore C, et al. **J Physiol (Lond)** 252(2):41P–42P, Nov 75

Proceedings: Differential projection of spindle afferents from rostral and caudal parts of the mesencephalic nucleus of the fifth nerve. Harrison LM, et al. **J Physiol (Lond)** 258(2):60P, Jun 76

Readjustment of retinotectal projection following reimplantation of a rotated or inverted tectal tissue in adult goldfish. Yoon MG. **J Physiol (Lond)** 252(1):137–58, Oct 75

Progress of topographic regulation of the visual projection in the halved optic tectum of adult goldfish. Yoon MG. **J Physiol (Lond)** 257(3):621–43, Jun 76

Proceedings: Synaptic transmission of the superior colliculus during eye movements in cats. Hayashi Y, et al. **J Physiol Soc Jpn** 36(8–9):302–3, 1 Sep 74

Proceedings: Topographic representation of the tectum opticum of the pit viper. Terashima S, et al. **J Physiol Soc Jpn** 36(8–9):304, 1 Sep 74

Electrophysiological study on colliculo-cerebellar pathway in cat. Muroga T. **Nagoya J Med Sci** 38(1–2):11–23, Sep 75

Role of superior colliculus serotonin in the grooming behaviour of cats. Trulson ME. **Neuropharmacology** 15(2):91–7, Feb 76

Effects of ablations of the superior colliculi on spectral sensitivity in monkeys. Cardu B, et al. **Neuropsychologia** 13(3):297–306, Sep 75

Effects of subcortical lesions on the pupillary light reflex in the rat. Legg CR. **Neuropsychologia** 13(3):373–6, Sep 75

Visual orientation, perception, and discrimination after lesions in the tectal visual system. **Neurosci Res Program Bull** 13(2):251, May 75

Dual function of the tectum in the tree shrew (Tupaia glis). Casagrande VA. **Neurosci Res Program Bull** 13(2):251–3, May 75

Function of intrinsic tectal connections. Grüsser OJ, et al. **Neurosci Res Program Bull** 13(2):196–203, May 75

Afferent input and integrative mechanisms within the nonmammalian tectum. Grüsser OJ, et al. **Neurosci Res Program Bull** 13(2):186–95, May 75

Sensorimotor function of the midbrain tectum. II. Classes of visually guided behavior. Ingle D. **Neurosci Res Program Bull** 13(2):180–5, May 75

Some unresolved issues concerning the optic tectum. Ingle D. **Neurosci Res Program Bull** 13(2):258–66, May 75

Single-unit studies in the cat. Palmer LA, et al. **Neurosci Res Program Bull** 13(2):214–20, May 75

Tectal oculomotor connections. Robinson DA. **Neurosci Res Program Bull** 13(2):238–44, May 75

Sensorimotor transformation in rabbits and cats. Schaefer KP. **Neurosci Res Program Bull** 13(2):235–8, May 75

Cortical control of collicular cells in the ground squirrel and macaque. Schiller PH. **Neurosci Res Program Bull** 13(2):224–5, May 75

Sensorimotor transformation in the tectum of the macaque. Schiller PH, et al. **Neurosci Res Program Bull** 13(2):226–8, May 75

Two visuomotor systems in the Syrian hamster. Schneider GE. **Neurosci Res Program Bull** 13(2):255–7, May 75

Sensorimotor transformation and selective attention in the macaque. Wurtz RH. **Neurosci Res Program Bull** 13(2):228–35, May 75

Hyperactivity and deficits in problem solving following superior colliculus lesions in the rat. Smith CJ, et al. **Physiol Behav** 16(4):381–5, Apr 76

Effects of eye movements upon excitability of the superior colliculus in cats. Hayashi Y, et al. **Tohoku J Exp Med** 117(1):23–37, Sep 75

Sensitivity to spatial frequency and contrast of visual cells in the cat superior colliculus. Bisti S, et al. **Vision Res** 16(3):247–51, 1976

Effects of extraocular muscle section on receptive fields in cat superior colliculus. Gordon B, et al. **Vision Res** 15:1011–9, Aug–Sep 75

Colour discrimination functions of the frog optic tectum (Rana esculenta). Scheibner H, et al. **Vision Res** 15(11):1175–80, Nov 75

Shapes of receptive field centers in optic tectum of goldfish. Schellart NA, et al. **Vision Res** 16(9):1018–20, 1976

A reclassification of retinal ganglion cells in the frog, based upon tectal endings and response properties. Witpaard J, et al. **Vision Res** 15(12):1333–8, Dec 75

[Neurobehavioral study of colliculectomized monkeys] Ptito M, et al. **Cortex** 12(2):88–99, Jun 76 (Eng. Abstr.) **(Fre)**

[Influence of mediopreoptic stimulation on temperature regulation in rats before and after serotonin injection] Gorynia I, et al. **Acta Biol Med Ger** 34(1):67–78, 1975 (Eng. Abstr.) **(Ger)**

[Effect of bilateral round window stimulation on superficial layer neurons of superior colliculus in cat (author's transl)] Kase M, et al. **Acta Soc Ophthalmol Jpn** 79(9):1273–80, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Spread of excitation along the chain neurons of the frog tectum opticum in response to presentation of different visual stimuli] Kogan AB, et al. **Fiziol Zh SSSR** 62(3):356–61, Mar 76 (Eng. Abstr.) **(Rus)**

[The existence of recurrent inhibition in the superior collicus of the rabbit] Mass AM. **Fiziol Zh SSSR** 61(9):1323–30, Sep 75 (Eng. Abstr.) **(Rus)**

[Nystagmus after unilateral destruction of the superior colliculus in rabbits] Neverov VP, et al. **Fiziol Zh SSSR** 62(2):196–200, Feb 76 (Eng. Abstr.) **(Rus)**

[Tecto-cortical connections in the rat visual system] Zagorul'ko TM, et al. **Fiziol Zh SSSR** 62(3):335–41, Mar 76 (Eng. Abstr.) **(Rus)**

[Physiologic mechanisms of the constancy of color perception] Maksimova EM, et al. **Neirofiziologiia** 7(1):21–6, 1975 **(Rus)**

[Differences in the functional organization of the frog and cat visual centers] Mkrtycheva LI, et al. **Neirofiziologiia** 7(1):5–11, 1975 **(Rus)**

[Changes in the receptive field of pigeon tectum neurons subjected to vestibular and acoustic stimulation] Slobodchikova ON. **Neirofiziologiia** 7(2):178–83, 1975 **(Rus)**

[Statistical characteristics of the background and evoked activity of cat superior colliculus neurons] Syka I, et al. **Neirofiziologiia** 7(1):41–7, 1975 **(Rus)**

[Evoked potentials in the optic tectum of the carp brain upon electric stimulation of the facial nerve] Vasilevskaia NE, et al. **Neirofiziologiia** 8(1):39–46, 1976 (Eng. Abstr.) **(Rus)**

[Selective blockade of evoked potential components in the tectum of Rana temporaria frogs during polarization of the optic nerve Margolis SE. **Zh Evol Biokhim Fiziol** 12(3):299–301, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Organization of the receptive fields of the superior colliculus neurons of the squirrel Sciurus vulgaris] Mass AM. **Zh Evol Biokhim Fiziol** 12(3):272–9, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Intra-analyzer temporary connections in the visual system] Khananashvili MM, et al. **Zh Vyssh Nerv Deiat** 25(6):1218–25, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Transplanted neural tissue develops connections with host rat brain. Lund RD, et al. **Science** 193(4253):582–4, 13 Aug 76

ULTRASTRUCTURE

A qualitative electron microscopic investigation of the anomalous corticofugal projections following neonatal lesions in the albino rats. Leong SK. **Brain Res** 107(1):1–8, 30 Apr 76

Presynaptic dendrite cells and two other classes of neurons in the superficial layers of the superior colliculus of the chimpanzee. Tigges M, et al. **Cell Tissue Res** 162(3):279–95, 13 Oct 75

Electron-microscopic observations on preterminal fibers in the oculomotor nucleus of the cat. With special reference to the relation between axon diameter and myelin thickness in mammalian gray matter. Waxman SG. **J Neurol Sci** 26(3):395–400, Nov 75

Anatomical basis of receptive field properties of the superficial cells. Sterling P. **Neurosci Res Program Bull** 13(2):220–4, May 75

Ultrastructural organization of the optic tectum of Poecilia reticulata (teleosts). Ciani F, et al. **Riv Biol** 68(1–2):27–35, Jan–Jun 75

[Presynaptic dendrites and dendro-dendritic synapses in the superior tubercles of the rat quadrigeminum] Uranova NA. **Arkh Anat Gistol Embriol** 69(12):10–4, Dec 75 (Eng. Abstr.) **(Rus)**

SUPEROVULATION see under **OVULATION**

SUPEROXIDE see under **OXYGEN**

SUPEROXIDE DISMUTASE

Superoxide dismutases: studies of structure and mechanism. Fridovich I. **Adv Exp Med Biol** 74:530–9, 1976 (57 ref.)

Iron- and manganese-containing superoxide dismutases: structure, distribution, and evolutionary relationships. McCord JM. **Adv Exp Med Biol** 74:540–50, 1976 (27 ref.)

The rare allele SOD-A(2) in the Italian population. Crosti N, et al. **Ann Hum Biol** 3(4):343–50, Jul 76

Superoxide dismutase from Mycobacterium species, strain Takeo. Kusunose M, et al. **Arch Microbiol** 108(1):65–73, 3 May 76

Evidence for a coordination position available to solute molecules on one of the metals at the active center of reduced bovine superoxide di smutase. Fee JA, et al. **Biochem Biophys Res Commun** 71(2):427–37, 26 Jul 76

A ferrocyanide charge-transfer complex of bovine superoxide dismutase. Relevance of the zinc imidazolate bond to the redox properties of the enzyme. Morpurgo L, et al. **Biochem Biophys Res Commun** 70(2):607–14, 17 May 76

On the magnetic properties of cobalt substituted bovine superoxide dismutase derivatives. Moss TH, et al. **Biochem Biophys Res Commun** 66(2):799–808, 16 Sep 75

Studies on the reconstitution of bovine erythrocyte superoxide dismutase. V. Preparation and properties of derivatives in which both zinc and copper sites contain copper. Fee JA, et al. **Biochim Biophys Acta** 400(2):439–50, 19 Aug 75

The behavior of holo- and apo-forms of bovine superoxide dismutase at low pH. Fee JA, et al. **Biochim Biophys Acta** 412(1):26–38, 18 Nov 75

Purification and physicochemical properties of superoxide dismutase from two photosynthetic microorganisms. Lumsden J, et al. **Biochim Biophys Acta** 438(2):380–92, 8 Jul 76

Radioprotective effect of superoxide dismutase on model phospholipid membranes. Petkau A, et al. **Biochim Biophys Acta** 433(3):445–56, 21 May 76

A search for linkage between the Ag and (dimeric) superoxide dismutase (SOD–1) loci. Berg K, et al. **Birth Defects** 11(3):L7–70, 1975

A search for linkage between the Ag and (dimeric) superoxide dismutase (SOD–1) loci. Berg K, et al. **Cytogenet Cell Genet** 14(3–6):237–40, 1975

Cobalt bovine superoxide dismutase. Reactivity of the cobalt chromophore in the copper-containing and in the copper-free enzyme. Calabrese L, et al. **Eur J Biochem** 64(2):465–70, 1 May 76

A comparison between the common type and a rare genetic variant of human cupro-zinc superoxide dismutase. Marklund S, et al. **Eur J Biochem** 65(2):415–22, 1 Jun 76

Reversible uncoupling of the copper and cobalt spin systems in cobalt bovine superoxide dismutase at low pH. Calabrese L, et al. **FEBS Lett** 59(1):29–31, 1 Nov 75

EPR spectra of Fe(III)-superoxide dismutase with special reference to the electron spin relaxation time of Fe(III). Villafranca JJ. **FEBS Lett** 62(2):230, 15 Feb 76

Genetics of human superoxide dismutase. Beckman G, et al. **Hereditas** 79(1):43–6, 1975

Crystallization and preliminary crystal data of iron-containing superoxide dismutase from Pseudomonas ovalis. Yamakura F, et al. **J Biol Chem** 251(15):4792–3, 10

Aug 76
Similarity of three-dimensional structure between the immunoglobulin domain and the copper, zinc superoxide dismutase subunit. Richardson JS, et al. **J Mol Biol** 102(2):221–35, 5 Apr 76
The involvement of superoxide anions in the autoxidation of various cofactors of cysteamine-oxygenase. Dupré S, et al. **Mol Cell Biochem** 9(3):149–54, 31 Dec 75
The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in sodium dodecyl sulfate. Marmocchi F, et al. **Physiol Chem Phys** 7(5):465–71, 1975
[Superoxide dismutase (author's transl)] Michalski W. **Postepy Biochem** 21(3):295–317, 1975 **(Pol)**
[Acid and alkaline denaturation of superoxide dismutase] Simonian MA, et al. **Biofizika** 20(5):783–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Superoxide dismutase from brain white substance] Sharoian SG, et al. **Dokl Akad Nauk SSSR** 226(4):975–7, 1 Feb 76 **(Rus)**

ANALYSIS

Inhibition of nitrite formation from hydroxylammoniumchloride: a simple assay for superoxide dismutase. Elstner EF, et al. **Anal Biochem** 70(2):616–20, Feb 76
Polarographic assay and intracellular distribution of superoxide dismutase in rat liver. Tyler DD. **Biochem J** 147(3):493–504, Jun 75
Enzymatic and non-enzymatic assay of superoxide dismutase. Fried R. **Biochimie** 57(5):657–60, 1975
Superoxide dismutase micro assay in biological material. Bohnenkamp W, et al. **Hoppe Seylers Z Physiol Chem** 356(6):747–54, Jun 75
Dosage effect of SOD-A gene in 21-trisomic cells. Crosti N, et al. **Hum Genet** 31(2):197–202, 29 Feb 76

ANTAGONISTS & INHIBITORS

Inhibition of nitroblue tetrazolium reduction by cuprein (superoxide dismutase), Cu(tyr)2 and Cu(lys)2. Younes M, et al. **FEBS Lett** 61(2):209–12, 15 Jan 76
In vivo inhibition of superoxide dismutase in mice by diethyldithiocarbamate. Heikkila RE, et al. **J Biol Chem** 241(7):2182–5, 10 Apr 76

BIOSYNTHESIS

Superoxide dismutase in photosynthetic organisms provides an evolutionary hypothesis. Lumsden J, et al. **Nature** 257(5528):670–2, 23 Oct 75

BLOOD

Polarographic determination of superoxide dismutase. Rigo A, et al. **Anal Biochem** 68(1):1–8, Sep 75
Superoxide dismutase (erythrocuprein) and free radicals in clinical chemistry. Gutteridge JM. **Ann Clin Biochem** 13(3):393–8, May 76
Superoxide dismutase activities of blood platelets in trisomy 21. Sinet PM, et al. **Biochem Biophys Res Commun** 67(3):904–9, 1 Dec 75
The interaction of bovine erythrocyte superoxide dismutase with hydrogen peroxide: chemiluminescence and peroxidation. Hodgson EK, et al. **Biochemistry** 14(24):5299–303, 2 Dec 75
The interaction of bovine erythrocyte superoxide dismutase with hydrogen peroxide: inactivation of the enzyme. Hodgson EK, et al. **Biochemistry** 14(24):5294–9, 2 Dec 75
The relationship between erythrocyte superoxide dismutase activity and erythrocyte copper levels in normal subjects and in patients with rheumatoid arthritis. Scudder P, et al. **Clin Chim Acta** 69(3):397–403, 15 Jun 76
Labile sulfur in human Superoxide dismutase. Calabrese L, et al. **Eur J Biochem** 56(1):305–9, 1 Aug 75
Superoxide dismutase variants in Newfoundland—a gene from Scandinavia? Carter ND, et al. **Hum Hered** 26(1):4–7, 1976
Types of enzymatic overdosing in trisomy 21: erythrocytic superoxide dismutase-AJ and phosphoglucomutase. Prişcu R, et al. **Humangenetik** 29(1):79–83, 29 Aug 75
Superoxide dismutase in red blood cells: method of assay and enzyme content in normal subjects and in patients with beta-thalassemia (major and intermedia). Concetti A, et al. **J Lab Clin Med** 87(6):1057–64, Jun 76
Lack of erythrocyte superoxide dismutase change during human senescence. Stevens C, et al. **Mech Ageing Dev** 4(5–6):415–21, Sep–Dec 75
[Preparation of electrophoretically homogeneous erythrocuprein and its thermodenaturation] Simonian MA, et al. **Biokhimiia** 40(4):726–32, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Subcellular localization of superoxide dismutase in rat liver. Peeters-Joris C, et al. **Biochem J** 150(1):31–9, Jul 75
Purification, crystallization and properties of iron-containing superoxide dismutase from Pseudomonas ovalis. Yamakura F. **Biochim Biophys Acta** 422(2):280–94, 13 Feb 76
Purification of superoxide dismutases from Mycobacterium phlei. Chikata Y, et al. **Osaka City Med J** 21(2):127–36, 1975
[Cerebral cortex superoxide dismutase] Shaldzhian AA, et al. **Dokl Akad Nauk SSSR** 222(5):1239–41, 11 Jun 75 **(Rus)**

METABOLISM

Superoxide dismutases in photosynthetic organisms. Asada K, et al. **Adv Exp Med Biol** 74:551–64, 1976 (43 ref.)
Oxygen toxicity: augmentation of antioxidant defense mechanisms in rat lung. Kimball RE, et al. **Am J Physiol** 230(5):1425–31, May 76
Superoxide dismutase of bovine and frog rod outer segments. Hall MO, et al. **Biochem Biophys Res Commun** 67(3):1199–204, 1 Dec 75
Evidence for the photochemical production of superoxide mediated by saponified chlorophyll. Jahnke LS, et al. **Biochem Biophys Res Commun** 66(1):144–50, 2 Sep 75
Singlet oxygen and superoxide dismutase (cuprein). Weser U, et al. **Biochem Biophys Res Commun** 66(2):769–77, 16 Sep 75
Superoxide radicals and hydrogen peroxide formation in mitochondria from normal and neoplastic tissues. Dionisi O, et al. **Biochim Biophys Acta** 403(2):292–300, 22 Oct 75
Rat-liver superoxide dismutase. Purification and age-related modifications. Reiss U, et al. **Eur J Biochem** 63(2):617–23, 1 Apr 76
[Trisomy 21 and superoxide dismutase-1 (IPO-A). Tentative localization of sub-band 21Q22.1] Sinet PM, et al. **Exp Cell Res** 97:47–55, Jan 76
The superoxide dismutase activity of iron complexes. Halliwell B. **FEBS Lett** 56(1):34–8, 1 Aug 75
Superoxide dismutase activity of Cu(Tyr)2 and Cu, Co-erythrocuprein. Brigelius R, et al. **Hoppe Seylers Z Physiol Chem** 356(6):739–45, Jun 75
Problems concerning the biochemical action of superoxide dismutase (erythrocuprein). Paschen W, et al. **Hoppe Seylers Z Physiol Chem** 356(6):727–37, Jun 75
Superoxide dismutase. Reversible removal of manganese and its substitution by cobalt, nickel or zinc. Ose DE, et al. **J Biol Chem** 251(4):1217–8, 25 Feb 76
A comparative study of superoxide dismutase activity in polymorphonuclear leukocytes, monocytes, and alveolar macrophages of the guinea pig. Rister M, et al. **J Cell Physiol** 87(3):345–55, Mar 76
Free radicals and inflammation. Protection of phagocytosine leukocytes by superoxide dismutase. Salin ML, et al. **J Clin Invest** 56(5):1319–23, Nov 75
Superoxide dismutase in the rat and mouse as a function of age and longevity. Kellogg EW 3d, et al. **J Gerontol** 31(4):405–8, Jul 76
Distribution of superoxide dismutase in rat brain. Thomas TN, et al. **J Neurochem** 27(1):309–10, Jul 76
Enzyme defense against reactive oxygen derivatives. II. Erythrocytes and tumor cells. Bozzi A, et al. **Mol Cell Biochem** 10(1):11–6, 31 Jan 76
The mechanism of DNA strand breakage by vitamin C and superoxide and the protective roles of catalase and superoxide dismutase. Morgan AR, et al. **Nucleic Acids Res** 3(5):1139–49, May 76
Developmental characteristics of pulmonary superoxide dismutase: relationship to idiopathic respiratory distress syndrome. Autor AP, et al. **Pediatr Res** 10(3):154–8, Mar 76
[Inbitition of lipid peroxidation and detoxification of lipoperoxides by protective enzyme systems (superoxide dismutase, glutathione peroxidase and glutathione reductase) during experimental neoplastic growth] Lankin VZ, et al. **Dokl Akad Nauk SSSR** 226(3):705–8, 21 Jan 76 **(Rus)**

PHARMACODYNAMICS

Inhibitory effects of superoxide dismutases and various other proteins on the nitroblue tetrazolium reduction by phagocytizing guinea pig polymorphonuclear leukocytes. Amano D, et al. **Biochem Biophys Res Commun** 66(1):272–9, 2 Sep 75
Superoxide dismutase does not inhibit the oxidation of cytochrome c and cytochrome oxidase. Markossian KA, et al. **Biochem Biophys Res Commun** 67(3):870–6, 1 Dec 75
Radioprotection of bone marrow stem cells by superoxide dismutase. Petkau A, et al. **Biochem Biophys Res Commun** 67(3):1167–74, 1 Dec 75
Protective effect of superoxide dismustase on erythrocytes of x-irradiated mice. Petkau A, et al. **Biochem Biophys Res Commun** 70(2):452–8, 17 May 76
Influence of superoxide dismutase and catalase on the stimulation by phagocytosis of L-thyroxine and L-triiodothyronine deiodination in the human leukocyte. Woeber KA. **Endocrinology** 99(3):887–90, Sep 76
The effect of superoxide dismutase and catalase on radiation-induced chromosome breaks. Nordenson I, et al. **Hereditas** 82(1):125–6, 1976
Inhibition by superoxide dismutase of methemoglobin formation from oxyhemoglobin. Lynch RE, et al. **J Biol Chem** 251(4):1015–9, 25 Feb 76
Effects of superoxide dismutase on the auto-oxidation of 7, 8-dihydroxychlorpromazine in the presence of rat brain mitochondria. Tjioe SA, et al. **Psychopharmacol Commun** 1(4):373–81, 1975

PHYSIOLOGY

A protective function of superoxide dismutase during respiratory chain activity. Tyler DD. **Biochim Biophys Acta** 396(3):335–46, 8 Sep 75

THERAPEUTIC USE

Letter: Protection of post-irradiated mice by superoxide dismutase. Petkau A, et al. **Int J Radiat Biol** 29(3):297–9, Mar 76

SUPERSTITIONS

Supernaturally-caused illness in traditional Burmese medicine. pp. 385–99. Spiro ME. **In: Kleinman A, et al., ed. Medicine in Chinese cultures. Bethesda, NIH, 1976. WB 50 JC6 M44 1974.**
Editorial: Numbers, especially lucky ones. Hussey HH. **JAMA** 235(10):1045, 8 Mar 76
Editorial: Superstitions. **Med Sci Law** 15(2):77–8, Apr 75
[Witchcraft—a drug-subculture? Attempt at a comparative study] Haisch EO. **Med Welt** 27(7):337–40, 13 Feb 76 **(Ger)**

HISTORY

Reflections on death. Kerr L. **Suicide** 5(2):115–20, Summer 75

SUPPOSITORIES

Clinical trial of suppositories. Colhoun EM. **Nurs Times** 71(50):1997, 11 Dec 75
In vitro release of noramidopyrine methansulfonate sodium from suppository as a function of particle size and concentration. Kassem AA, et al. **Pharmazie** 30(7):475–6, Jul 75
In vitro release of chloramphenicol from different suppository bases. Kassem AA, et al. **Pharmazie** 30(7):472–5, Jul 75
Radiopaque suppositories. Spitzer A, et al. **Radiology** 121(1):71–3, Oct 76
[Effect of a colloidal silica on the physical and especially, rheologic properties of two excipients for suppositories] Doucet J, et al. **Ann Pharm Fr** 33(5):253–63, May 75 (Eng. Abstr.) **(Fre)**
[Application of indium-113m for measurement of degree of mixing. VIII. Suppositories. (2). Effect of temperature on fusion for homogenized compo] Tanno K, et al. **J Pharm Soc Jpn** 94(11):1389–92, Nov 74 (Eng. Abstr.) **(Jpn)**
[Preoperative medication of children by means of multi-component rectal suppositories] Mikhel'son VA, et al. **Pediatriia** (11):60–2, Nov 75 **(Rus)**
[Improvement in the technology of molded suppositories on fatty bases] Golovkin VO, et al. **Farm Zh** (5):88–9, Sep–Oct 75 **(Ukr)**

ANALYSIS

[Method for the determination of the fluidification point of suppositories] Magonio E, et al. **Boll Chim Farm** 114(6):343–50, Jun 75 (Eng. Abstr.) **(Ita)**

SUPPRESSOR GENES see **GENES, SUPPRESSOR**

SUPPURATION

BLOOD

[Monocytic reaction in purulent inflammatory diseases of the soft tissues of the face and jaw] Tsenov LM. **Stomatologiia (Mosk)** 54(6):77–9, Nov–Dec 75 **(Rus)**

DRUG THERAPY

[Effect of penicillin on the intensity of formation of penicillin-resistant staphylococcal populations in the suppurative foci of patients] Zueva VS, et al. **Antibiotiki** 20(6):521–6, Jun 75 (Eng. Abstr.) **(Rus)**
[Use of proteolytic enzymes in suppuration of the residual cavities of the liver after echnicoccectomy] Saidov GS, et al. **Khirurgiia (Mosk)** (10):142–3, Oct 75 **(Rus)**
[The use of ektericid in the treatment of purulent wounds of the maxillofacial region] Chistiakova VF, et al. **Stomatologiia (Mosk)** 55(2):94–6, Mar–Apr 76 **(Rus)**
[Use of novoimanin electrophoresis in suppurative and inflammatory diseases] Bonatskiĭ VR, et al. **Voen Med Zh** (10):29–31, Oct 75 **(Rus)**

ETIOLOGY

Pustular patch test reactions in atopic dermatitis. Uehara M, et al. **Arch Dermatol** 111(9):1154–7, Sep 75

IMMUNOLOGY

Phagocytosis: defense against pyogenic infection. Stossel TP. **Proc Inst Med Chic** 30(7):234, Apr–Jun 75

METABOLISM

Rapid diagnosis of anaerobic infections by gas-liquid chromatography of clinical material. Phillips KD, et al. **J Clin Pathol** 29(5):428–32, May 76
pH of amoebic liver pus. Ramachandran S, et al. **Trans R Soc Trop Med Hyg** 70(2):159–60, 1976

MICROBIOLOGY

Anaerobes survive in clinical specimens despite delayed processing. Bartlett JG, et al. **J Clin Microbiol** 3(2):133–6, Feb 76
[A recent trend in the detection of the anaerobes from pus

of various sources (author's transl)] Furuta I, et al. **Jpn J Clin Pathol** 22(12):881–5, Dec 74 **(Jpn)**

[Microflora of the pus of lactation mastitis patients and its sensitivity to a series of antibiotics] Gaufberg VV, et al. **Antibiotiki** 20(5):445–51, May 75 (Eng. Abstr.) **(Rus)**

[Species makeup, biological activity and antibiotic sensitivity of the microbes isolated from patients with a surgical infection] Veselov AIa. **Antibiotiki** 21(1):62–7, Jan 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Recalcitrant pustular eruptions of the extremities. Thormann J, et al. **J Cutan Pathol** 2(1):19–24, 1975

THERAPY

Conservative treatment of cervico-facial suppurations. Cosma D, et al. **J Maxillofac Surg** 3(3):198–9, Sep 75

VETERINARY

[Effusions of the body cavities in the dog. Clinico-diagnostic study with special regard to the puncture cytology] Kasbohm C. **Tieraerztl Prax** 4(2):235–42, 1976 **(Ger)**

SUPRAOPTIC NUCLEUS see under **HYPOTHALAMUS**

SUPRASELLAR CYST see **CRANIOPHARYNGIOMA**

SURAL NERVE see under **SPINAL NERVES**

SURAMIN

Spectroscopic studies on the complex formation of suramin with bovine and human serum albumin. Müller WE, et al. **Biochim Biophys Acta** 427(2):465–80, 14 Apr 76

PHARMACODYNAMICS

Suramin stimulates B-lymphocyte proliferation in the mouse. Vischer TL. **Agents Actions** 6(4):479–82, Jul 76

Phenotypic chain formation in Clostridium welchii by suramin. Shaikh MR, et al. **Zentralbl Bakteriol [Orig A]** 233(1):75–9, Sep 75

[Trial prevention of the embryolethal properties of suramin in the mouse by adjuvant progesterone] Mercier-Parot L, et al. **C R Soc Biol (Paris)** 169(3):503–6, 1975 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

The treatment of T. rhodesiense sleeping sickness, with special reference to its physio-pathological and epidemiological basis. Buyst H. **Ann Soc Belg Med Trop** 55(2):95–104, 1975

The populatin dynamics of Onchocerca volvulus microfilariae during treatment with suramin and diethylcarbamazine. Duke BO, et al. **Tropenmed Parasitol** 27(2):133–44, Jun 76

SURFACE-ACTIVE AGENTS

see related
PULMONARY SURFACTANT

The thermodynamic basis of the stability of proteins, nucleic acids, and membranes. Edelhoch H, et al. **Adv Protein Chem** 30:183–250, 1976 (233 ref.)

Evidence of surface-active agent in the Eustachian tube. Rapport PN, et al. **Ann Otol Rhinol Laryngol** 85(2 Suppl 25 Pt 2):169–70, Mar-Apr 76

The interaction between bovine serum albumin and surfactants. Jones MN, et al. **Biochem J** 147(2):229–34, May 75

Dynamic permeation. Note III – A case of chemical degradation of diffusant in the course of permeation experiments. Bottari F, et al. **Boll Chim Farm** 115(3):285–92, Mar 76

Surface activity of drugs: oximes of 3-formylrifamycin SV. Pelizza G, et al. **Farmaco [Sci]** 31(1):31–40, Jan 76

Dermatologic testing of household laundry products: a novel fabric softener. Weaver JE. **Int J Dermatol** 15(4):297–300, May 76

Proceedings: Incompatibility of non-ionic surfactants with phenols in relation to binding constants and cloud points. Azaz E, et al. **J Pharm Pharmacol** 27 Suppl?–2:69P, Dec 75

Influence of non-ionic surfactants on permeation of hydrocortisone, dexamethasone, testosterone and progesterone across cellulose acetate membrane. Barry BW, et al. **J Pharm Pharmacol** 28(3):219–27, Mar 76

Solubilization of hydrocortisone, dexamethasone, testosterone and progesterone by long-chain polyoxyethylene surfactants. Barry BW, et al. **J Pharm Pharmacol** 28(3):210–8, Mar 76

Some relations between dissolution rates and physical parameters of a drug in aqueous micellar solutions of a non-ionic surfactant. Collett JH, et al. **J Pharm Pharmacol** 27(9):647–52, Sep 75

Proceedings: A study of drug release from solutions containing surfactants in micellar concentrations. Rees JA, et al. **J Pharm Pharmacol** 27 Suppl?–2:10P, Dec 75

Effect of inorganic additives on solutions of nonionic surfactants IV: Krafft points. Schott H, et al. **J Pharm Sci** 65(7):979–81, Jul 76

Effect of inorganic additives on solutions of nonionic surfactants III: CMC's and surface properties. Schott H, et al. **J Pharm Sci** 65(7):975–8, Jul 76

Oxygen solubilization by lung surfactant. Stanaszek WF, et al. **J Pharm Sci** 65(1):142–3, Jan 76

A preliminary evaluation of an acid cavity cleanser. Tidmarsh BG, et al. **NZ Dent J** 71(324):77–9, Apr 75

[Emulsions and water-surfactant-oil diagrams. A system of water-Brijs 92 and 96-oil of vaseline. Effect of surfactant hydrophilicity] Treguier JP, et al. **Pharm Acta Helv** 50(12):421–31, 1975 **(Fre)**

[Studies on the osmotic resistance and the viability of amidinated erythrocytes] Geyer G, et al. **Folia Haematol (Leipz)** 102(3):305–17, 1975 (Eng. Abstr.) **(Ger)**

[Effect of the membrane on liberation from ointments containing tensides] Richter B, et al. **Pharmazie** 31(4):262–3, Apr 76 **(Ger)**

[Composition of film coatings for tablets. 1. Effect of nonionic surface-active agents on the properties of films] Tomassini L, et al. **Pharmazie** 30(12):779–82, 1975 **(Ger)**

[Comparative and experimental studies on various prosthesis cleaners. 1. Testing of mechanical cleans power and the action on prosthesis materials] Ehmer D, et al. **Stomatol DDR** 25(10):657–61, Oct 75 **(Ger)**

[Thermodynamics of Aerosol OT distribution between water and carbon tetrachloride (author's transl)] Kishimoto H, et al. **J Pharm Soc Jpn** 94(11):1408–13, Nov 74 (Eng. Abstr.) **(Jpn)**

[Flocculation-deflocculation behavior of chloramphenicol in aqueous solutions of polyvinylpyrrolidone/ionic surfactants (author's transl)] Otsuka A, et al. **J Pharm Soc Jpn** 96(1):110–5, Jan 76 (Eng. Abstr.) **(Jpn)**

[Physico-chemical properties of glycyrrhizic acid in aqueous media. I. Surface-active properties and formation of molecular aggregates (author's transl)] Otsuka A, et al. **J Pharm Soc Jpn** 96(2):203–8, Feb 76 (Eng. Abstr.) **(Jpn)**

[The effect of surface-active drug on properties of trypsin monolayers] Shirokova TY, et al. **Ukr Biokhim Zh** 47(4):428–33, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Electrophoresis of antibiotics combined with surface-active substances in the treatment of infected wounds (experimental study)] Afinogenov GE, et al. **Ortop Travmatol Protez** (1):69–71, Jan 76 **(Rus)**

ADVERSE EFFECTS

Possible asthmatic reaction to fabric softener. Mauceri RA, et al. **N Engl J Med** 294(16):907, 15 Apr 76

ANALYSIS

Determination of polyoxyethylene alkylphenyl ether non-ionic surfactants in waters. Favretto L, et al. **Analyst** 101(1200):198–202, Mar 76

A test method for analyzing anionic or cationic surfactants in industrial water. Wang LK. **J Am Oil Chem Soc** 52(9):339–44, Sep 75

[Synthetic surface-active substances in municipal discharges and the effectiveness of purifying them at a biological station] Kostovetskii IaI, et al. **Gig Sanit** (2):95–6, Feb 75 **(Rus)**

DIAGNOSTIC USE

The use of a basic dye (azure A or toluidine blue) plus a cationic surfactant for selective staining of RNA: a technical and mechanistic study. Bennion PJ, et al. **Stain Technol** 50(5):307–13, Sep 75

PHARMACODYNAMICS

Local tissue effects of surface-applied ENT drugs. Brånemark PI, et al. **Acta Otolaryngol (Stockh)** 80(1–2):128–36, Jul-Aug 75

The effect of some ionized and neutral surfactants and bile acids upon sodium and water transport from tied jejunal loops in anaesthetized rats. Sund RB. **Acta Pharmacol Toxicol (Kbh)** 37(4):297–308, Oct 75

Surfactants and bioelectric properties of rat jejunum. Feldman DS, et al. **Am J Dig Dis** 20(9):866–70, Sep 75

Effect of surfactants on antibiotic resistance. Suling WJ, et al. **Antimicrob Agents Chemother** 8(3):334–43, Sep 75

Effects of some chemical factors on flagellation and swarming of Vibrio alginolyticus. De Boer SE, et al. **Antonie van Leeuwenhoek** 41(4):385–403, 1975

Tetronic 701-a novel hypocholesterolaemic agent. Green J, et al. **Atherosclerosis** 23(3):549–58, May-Jun 76

Effect of surface-active agent on the active transport of sodium in frog skin. Futami T, et al. **Chem Pharm Bull (Tokyo)** 24(2):193–9, Feb 76

Effect of some ionic and nonionic surfactants on the intramuscular absorption of isonicotinamide. Kobayashi H, et al. **Chem Pharm Bull (Tokyo)** 23(1):42–7, Jan 75

Enhancing effect of surfactant and protein on hydrolysis of thymolphthalein monophosphate by purified prostatic acid phosphatase. Foti AG, et al. **Clin Chem** 21(12):1761–5, Nov 75

Impairment and restoration of response to TSH in dog thyroid slices after treatment with phospholipase A and lubrol PX. Yamashita K, et al. **Horm Metab Res** 8(1):47–50, Jan 76

Study on skin roughness caused by surfactants: I. A new method in vivo for evaluation of skin roughness. Imokawa G, et al. **J Am Oil Chem Soc** 52(12):479–83, Dec 75

Study on skin roughness caused by surfactants: II. Correlation between protein denaturation and skin roughness. Imokawa G, et al. **J Am Oil Chem Soc** 52(12):484–9, Dec 75

Aminimidesi I. Antimicrobial effect of some long chain fatty acid derivatives. Kabara JJ, et al. **J Am Oil Chem Soc** 52(8):316–7, Aug 75

Aminimides: II. Antimicrobial effect of short chain fatty acid derivatives. Kabara JJ, et al. **J Am Oil Chem Soc** 52(11):444–7, Nov 75

Influence of nine surfactants on the activity of oxytetracycline hydrochloride against Lipaphis erysimi Kalt. Lal OP, et al. **J Antibiot (Tokyo)** 28(12):993–6, Dec 75

Effect of ionic sites of surfactants on leukocyte metabolism. Kakinuma K, et al. **J Biochem (Tokyo)** 79(4):795–802 Apr 76

Hydrophile-lipophile balance and critical micelle concentration as key factors influencing surfactant disruption of mitochondrial membranes. Egan RW. **J Biol Chem** 251(14):4442–7, 25 Jul 76

Phospholipases. III. Effects of ionic surfactants on the phospholipase-catalyzed hydrolysis of unsonicated egg lecithin liposomes. Goldhammer AR, et al. **J Membr Biol** 23(3–4):293–204, 1975

Effect of surfactant monomers on chloramphenicol association to an albumin-lecithin complex: a model for modified drug absorption. Alhaique F, et al. **J Pharm Pharmacol** 27(11):811–7, Nov 75

Effect of dioctyl sodium sulfosuccinate and poloxamer 188 on dissolution and intestinal absorption of sulfadiazine and sulfisoxazole in rats. Reddy RK, et al. **J Pharm Sci** 65(1):115–8, Jan 76

Inhibition of small intestinal mucosal and smooth muscle cell function by ricinoleic acid and other surfactants. Gaginella TS, et al. **Life Sci** 16(10):1595–605, 15 May 75

Influence of various surface-active agents on the activity of several enzymes in the brush border of enterocytes. Mitjavila MT, et al. **Toxicol Appl Pharmacol** 34(1):72–82, Oct 75

[The effect of a toothpaste containing a wetting agent on the hydrogen-ion concentration of fasting whole saliva] Albers HK. **ZWR** 85(9):426–30, 10 May 76 **(Ger)**

[The influence of several surface-active substances on neuromuscular transmission of excitation] Baĭdan LV, et al. **Biull Eksp Biol Med** 81(2):137–9, Feb 76 (Fng. Abstr.) **(Rus)**

[Action of synthetic surface-active substances on the skin] Ivanov VV, et al. **Farmakol Toksikol** 39(2):244–7, Mar-Apr 76 (72 ref.) **(Rus)**

[Methods of studying the foaming capacity of surface-active substances and foams] Bashura GS, et al. **Farmatsiia** 24(3):81–5, May-Jun 75 **(Rus)**

[Urine conservation by surface-active agents] Prishchep AG, et al. **Kosm Biol Aviakosm Med** 9(5):31–5, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of several surface-active substances on neuromuscular transmission in frogs] Baĭdan LV. **Neirofiziologiia** 8(3):305–11, 1976 (Eng. Abstr.) **(Rus)**

[Effect of naphthenic acids on the permeability of ascitic tumor cells to potassium ions] Slivinskiĭ GG, et al. **Tsitologiia** 17(11):1283–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Sensitivity of enteroviruses to chlorinated trisodium phosphate and detergent compositions on its base] Shirobokov VP, et al. **Mikrobiol Zh** 37(3):368–72, May-Jun 75 (Eng. Abstr.) **(Ukr)**

[Reduction of virulence by dichloroisocyanuric acid sodium salt and detergent compositions on its base with reference to enteroviruses] Shirobokov VP, et al. **Mikrobiol Zh** 37(2):205–11, Mar-Apr 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Venous air embolism prophylaxis with a surface-active agent. Perry JC, et al. **Anesth Analg (Cleve)** 54(6):792–9, Nov-Dec 75

A new treatment for the nasopharynx. Hargett ER. **Eye Ear Nose Throat Mon** 55(4):121–3, Apr 76

[Surfactants in the treatment of patients with acute odontogenic inflammatory diseases] Solov'ev MM, et al. **Stomatologiia (Mosk)** 54(3):29–32, May-Jun 75 **(Rus)**

[Therapeutic effectiveness of ethone electroaerosols in chronic tonsillitis in children] Gezunterman PI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):367–8, Jul-Aug 75 **(Rus)**

TOXICITY

The use of recovery as a criterion for toxicity. Wright A. **Bull Environ Contam Toxicol** 15(6):747–9, Jun 76

Studies on the teratogenicity of alkylbenzene sulphonates. Charlesworth FA. **Food Cosmet Toxicol** 14(2):152–4, Apr 76 (25 ref.)

Biodegradation and aquatic toxicity of surfactants: a laboratory monitoring method. pp. 53–9. Reiff B. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (3 ref.)

Long-term toxicity of the surfactant alpha-olefin sulphonate (AOS) in the rat. Hunter B, et al. **Toxicology** 5(3):359–70, Mar 76

[Hygienic evaluation of the flotation agent T-66 in the water of reservoirs and its maximum permissable concentration] Kudrin LV, et al. **Gig Sanit** (7):43–6, Jul 75 (Eng. Abstr.) **(Rus)**

SURFACE PROPERTIES

Surface ultrastructure of human skin. Hashimoto K, et al. **Acta Derm Venereol (Stockh)** 55(6):413–30, 1975

Creep compliance studies of egg yolk lipoprotein interfacial films. James LK, et al. **Biorheology** 13(1):79–81, Feb 76

Comparison of several molecular topological indexes with molecular surface area in aqueous solubility estimation. Amidon GL, et al. **J Pharm Sci** 65(6):801–6, Jun 76

Effect of inorganic additives on solutions of nonionic surfactants III: CMC's and surface properties. Schott H, et al. **J Pharm Sci** 65(7):975–8, Jul 76

Scanning electron microscopy of murine macrophages. Surface characteristics during maturation, activation, and phagocytosis. Polliack A, et al. **Lab Invest** 33(5):469–77, Nov 75

Letter: Surface filaments on cancer cells. Reid BL, et al. **Lancet** 1(7965):916–7, 24 Apr 76

The surface texture of trimmed composite fillings. A scanning electron microscopy study. Gray HS, et al. **NZ Dent J** 71(325):139–45, Jul 75

Surface properties of bloodstream Trypanosomes (Trypanosoma brucei). Seed TM, et al. **Tropenmed Parasitol** 27(2):202–12, Jun 76

[Influence of surface wettability of the collecting material on various parameters of blood coagulation] Vlčková M. **Vnitr Lek** 21(8):793–9, Aug 75 (Eng. Abstr.) **(Cze)**

[Determination of interfacial energy from measures of the rats of dissolution] Jeannin C, et al. **Ann Pharm Fr** 33(8–9):433–40, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Scanning electron microscopy studies on the respiratory surface of the frog lung] Dierichs R. **Verh Anat Ges** 69:235–40, 1975 (Eng. Abstr.) **(Ger)**

[Ultrastructure of the interior surface of used heart catheters] Zebe H, et al. **Verh Dtsch Ges Inn Med** 81:238–41, 1975 **(Ger)**

[Skin–surface diagnosis and its clinical relevance] Klaschka F. **Z Hautkr** 49(18):811–7, 15 Sep 74 **(Ger)**

[Influence of surface condition upon the cytotoxicity of copper–gold alloy (in vitro) (author's transl)] Kato J. **J Jpn Soc Dent Appar Mater** 17(38):63–78, May 76 (Eng. Abstr.) **(Jpn)**

SURFACE TENSION

Drop weight variation in an automated collection procedure and its relationship to apparent surface tension. Exner T, et al. **Biochim Biophys Acta** 428(3):772–8, 28 May 76

Amniotic fluid surface tension during pregnancy. Rubaltelli FF, et al. **Biol Neonate** 29(1–2):112–6, 1976

The effect of surface tension in capillary viscometry of biological materials. McMillan DE. **Biorheology** 12(1):11–19, Feb 75

[The effect of pentoxifyllin on the surface tension of the human blood] Hinze HJ, et al. **Med Welt** 26(49):2228–30, 5 Dec 75 **(Ger)**

[Surfactants in amniotic fluids: a comparision between biomechanical and biochemical analyses (author's transl)] Krieglsteiner HP, et al. **Z Geburtshilfe Perinatol** 180(3):194–203, Jun 76 (Eng. Abstr.) **(Ger)**

[Biomechanic examination of prenatal lung maturity. Testing of amniotic fluid specimens and lung homogenates on Wilhelmy's scale] Krieglsteiner P, et al. **Z Geburtshilfe Perinatol** 180(1):51–60, Feb 76 (Eng. Abstr.) **(Ger)**

[Membrane–forming solutions of certain polymers used in microreplication technic] Sokolowski M, et al. **Czas Stomatol** 29(3):259–67, Mar 76 (Eng. Abstr.) **(Pol)**

[Plasma surface tension and erythrocyte sedimentation rate] Turczyński B, et al. **Pol Tyg Lek** 31(3):97–8, 19 Jan 76 (Eng. Abstr.) **(Pol)**

SURGERY

Peritoneoscopy: A valuable technic for surgeons. Gaisford WD. **Am J Surg** 130(6):671–7, Dec 75

Use of physician's assistants in a general surgical practice. Maxfield RG. **Am J Surg** 131(4):504–8, Apr 76

Res Chirurgiae––1975. Miles RM. **Am Surg** 41(10):587–92, Oct 75

No negligence in surgeon's failure to supervise anesthesiologist. **Anesth Analg (Cleve)** 55(3):459, May–Jun 76

General surgery and trauma. Allgöwer M. **Ann R Coll Surg Engl** 57(3):133–8, Sep 75

Mathematics and the surgeon. Crank J. **Ann R Coll Surg Engl** 58(4):300–8, Jul 76

American surgery–1976. Hardy JD. **Ann Surg** 184(3):245–52, Sep 76

Presidential address: United we stand. Muller WH Jr. **Ann Surg** 182(3):177–82, Sep 75

SOSSUS Legal and Ethics Committee: summary report on professional liability. Schwartz HG. **Ann Surg** 182(4):538–40, Oct 75

SOSSUS and the outlook for American surgery. Zuidema GD. **Ann Surg** 182(4):531–7, Oct 75

Membership roster, Southern Thoracic Surgical Association. **Ann Thorac Surg** 21(1):90–6, Jan 76

'The surgeon's dilemma'–continued. Crile G Jr. **Arch Surg** 111(2):205, Feb 76

'The doctor's dilemma'. Warren R. **Arch Surg** 110(11):1425, Nov 75

Editorial: The Archives of A surgery. Warren R. **Arch Surg** 111(5):517, May 76

Meeting report. Plastics in medicine and surgery. Courtney JM. **Biomed Eng** 10(12):456–7, Dec 75

Surgical research in the United Kingdom: past, present and future. Dudley HA. **Br J Surg** 63(5):337–40, May 76

Ultrasound in surgery. pp. 325–40. Lele PP. **In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.** (50 ref.)

Pediatric surgery in India through the eyes of a foreign visitor. Stauffer UG. **Indian Pediatr** 12(5):371–3, May 75

Some problems facing Indian pediatric surgery. Upadhyaya P. **Indian Pediatr** 12(7):555–6, Jul 75

The operative report. Baker MS, et al. **Int Surg** 61(6–7):333–4, Jun–Jul 76

Malpractice and informed consent––a legal ploy: the meaning of informed consent and why it is a deterrent to sound medicine. DeLee ST. **Int Surg** 61(6–7):331–2, Jun–Jul 76

Editorial: The operative record. Friedell MT. **Int Surg** 61(6–7):326, Jun–Jul 76

Analysis of geriatric surgical experience in a veterans home. Jake RJ. **J Am Geriatr Soc** 24(8):374–8, Aug 76

Contact dermatitis in surgeons. Fisher AA. **J Dermatol Surg** 1(3):63–7, Oct 75

Rural surgical service. Prasad PB. **J Indian Med Assoc** 64(9):250–2, 1 May 75

Can patient care audit change doctor performance? Devitt JE, et al. **J Med Educ** 50(12 Pt1):1122–3, Dec 75

A critical appraisal of the effectiveness of scientific presentations. Kraft AR, et al. **J Surg Res** 20(4):377–9, Apr 76

United we stand, divided we. Polk HC Jr. **J Surg Res** 20(3):127–37, Mar 76

The American Association for Thoracic Srugery 1976–1977. **J Thorac Cardiovasc Surg** 72(3):471–90, Sep 76

Presidential address. The birth of a society. Dugan DJ. **J Thorac Cardiovasc Surg** 70(5):759–62, Nov 75

Letter: Physician first, surgeon second. Primrose JM. **JAMA** 235(22):2391, 31 May 76

Improving radiology in surgery. Berci G, et al. **Med Instrum** 10(2):110–4, Mar–Apr 76

Editorial: Medicine: art and science. **Med J Aust** 2(1):4, 5 Jul 75

Editorial: The surgeon and the child. **Med J Aust** 1(4):77, 24 Jan 76

Surgery, art or science? Mitchell RM. **Med J Aust** 2(1):5–9, 5 Jul 75

The paediatric surgeon–operating physician or surgeon. Wyllie GG. **Med J Aust** 1(4):79–81, 24 Jan 76

Letter: Soul of a surgeon. Brown L. **N Engl J Med** 294(10):561, 4 Mar 76

Letter: Another view of the 'regional surgeon' concept. McCraw JB. **Plast Reconstr Surg** 57(2):227–8, Feb 76

Surgical progress 1975. Ellis H. **Postgrad Med J** 52(605):113–29, Mar 76 (99 ref.)

Message from the president of the Casualty Surgeons Association (Great Britain). Abson EP. **Resuscitation** 4(4):255–7, 1975

Surgical lessons learned and relearned in Vietnam. Whelan TJ Jr. **Surg Annu** 7:1–23, 1975 (35 ref.)

Editorial: The surgical gastroenterologist. Gaisford WD. **Surg Gynecol Obstet** 140(1):86–7, Jan 75

Letter: Understanding the relationship of surgery to society. Detmer DE. **Surgery** 79(5):605, May 76

Society of University Surgeons. Presidential address. Ebert PA. **Surgery** 80(1):1–3, Jul 76

Computer–based consultation in 'care' of the critically ill patient. Siegel JH, et al. **Surgery** 80(3):350–64, Sep 76

[Letter to the anesthesiologists and possibly to the surgeons concerning the anesthesiology consultation at Henri Mondor Hospital] Laborit G. **Agressologie** 17(3):163–5, 1976 **(Fre)**

[Study of an operating room block at the new La Louvière hospital center] Hoet T. **Anesth Analg (Paris)** 32(5):823–6, Sep–Oct 75 **(Fre)**

[Organization of anesthesia–resuscitation departments (round table). The needs of the surgeon] Monod–Broca P. **Anesth Analg (Paris)** 32(1):127–32, Jan–Feb 75 **(Fre)**

[Anesthesia ward in the surgical unit] Montagne J. **Anesth Analg (Paris)** 32(2):263–8, Mar–Apr 75 **(Fre)**

[Congress of the French Chapter of the International College of Surgeons, organized by the Reims University Surgical Clinic, June 7, 8 and 9, 1974. Breast cancer, current problems] **Ann Chir** 29(9):878–79, Oct 75 **(Fre)**

[F. de Gaudart d'Allaines] Dubost CH. **Arch Mal Coeur** 68(8):787–9, Aug 75 **(Fre)**

[Members of the Acade'mie de Chirurgie] **Chirurgie** 101(1):105–12, 15–29 Jan 75 **(Fre)**

[Report of the activities of the Acade'mie de Chirurgie during 1974] Chatelin C, et al. **Chirurgie** 101(1):21–6, 15–29 Jan 75 **(Fre)**

[Experimentation currently being carried out at the Amphithéâtre d'Anatomie des Hôpitaux de Paris] Patel JC. **Chirurgie** 100(11):766–9, 13–20 Nov 74 **(Fre)**

[The surgeon faces anxiety and the others] Hersch J. **Helv Chir Acta** 43(4):421–5, Sep 76 **(Fre)**

[The socioeconomic dimension in surgery 1976] Jolly D. **Helv Chir Acta** 43(4):403–11, Sep 76 **(Fre)**

[Complications of local anesthesia from the standpoint of the practicing surgeon] Köln FH. **Anaesthesiol Intensivmed Prax** 10(1):41–7, 1975 **(Ger)**

[Responsibility and sense of responsibility of a surgeon] Heim W. **Chirurg** 47(8):118–20 suppl, Aug 76 **(Ger)**

[10th session of the Oesterreichische Gesellschaft für Unfallchirurgie, Oct. 11–12, 1974, Salzburg] **Hefte Unfallheilkd** (124):1–330, 1975 **(Ger)**

[Health politics and surgery from a county health directors point of view] Kennel K. **Helv Chir Acta** 43(4):413–9, Sep 76 **(Ger)**

[The surgeon in the focus of politics of envy] Schoeck H. **Helv Chir Acta** 43(4):387–93, Sep 76 **(Ger)**

[The ethics of the surgeon, a basic medical problem] Zimmermann K. **Helv Chir Acta** 43(4):427–32, Sep 76 **(Ger)**

[Surgical form '75 for experimental and clinical research. 92d congress of the Deutsche Gesellschaft für Chirurgie, Munich 1975] **Langenbecks Arch Chir** Suppl:1–476, 1975 **(Ger)**

[Proceedings of the Deutsche Gesellschaft für Chirurgie, 92d session, May 7–10, 1975, Munich, West Germany] **Langenbecks Arch Chir** 339:1–757, Nov 75 **(Ger)**

[Proceedings of the Deutsche Gesellschaft für Chirurgie. 92d session May 7–10, 1975. Opening address of the president] Carstensen G. **Langenbecks Arch Chir** 339:3–11, Nov 75 **(Ger)**

[Requiem for the general surgeon] Butters F. **Ther Ggw** 115(6):1147–59, Jun 76 **(Ger)**

[Accident surgery in Germany] Rehn J. **Unfallheilkunde** 79(1):1–3, Jan 76 **(Ger)**

[IVth scientific conference of the department of thoracic surgery in the society for surgery of the gdr 5/10/1973 in halle (saale) (author's transl)] Panzner R, et al. **Z Erkr Atmungsorgane** 142(3):231–2, Mar 75 **(Ger)**

[Emergency laboratory tests, its significance and limitation. From surgeons' standpoint (author's transl)] Uchida H. **Jpn J Clin Pathol** 23(5):309–12, May 75 **(Jpn)**

[Editorial: The golden rule of surgery] Fukai H. **Neurol Surg (Tokyo)** 4(8):719–20, 10 Aug 76 **(Jpn)**

[Editorial: Disserteation for the degree of an Associate Professor in Surgery] Nielubowicz J. **Pol Przegl Chir** 47(10):1167–72, Oct 75 **(Pol)**

[General deontologic principles and their importance in surgery and urology] Rusakov VI. **Urol Nefrol (Mosk)** (3):58–9, May–Jun 75 **(Rus)**

[Development of surgical service in the Tambov district] Shmutter AV. **Zdravookhr Ross Fed** (8):31–3, Aug 75 **(Rus)**

[Rationale for centralization of the hospital surgical service in central regional hospital] Vel'm IA. **Zdravookhr Ross Fed** (12):7–9, Dec 75 **(Rus)**

[Influence of peace–time organization of emergency health service, surgery and anesthesiology in island and coastal region defensive war] Kraljević L, et al. **Vojnosanit Pregl** 32(6):641–5, Nov–Dec 75 **(Ser)**

[The field of surgery and its advances] Estevez R. **Rev Med Chil** 103(6):432–9, Jun 75 **(Spa)**

[Surgery in M–province––a biased perspective plan] Dahn I, et al. **Lakartidningen** 72(37):3426–9, 10 Sep 75 **(Swe)**

[Letter: Plan for surgical care in M–county––4th part] Dahn I, et al. **Lakartidningen** 73(21):1979–80, 19 May 76 **(Swe)**

[Surgery in an African hospital] Ekengren J. **Lakartidningen** 73(24):2265–8, 9 Jun 76 **(Swe)**

[Experimental project with a clinical surgeon at the health centre in Eslöv] Hafström L, et al. **Lakartidningen** 73(15):1421–2, 7 Apr 76 (Eng. Abstr.) **(Swe)**

[Why not a combined medical–surgical year] Lundh B, et al. **Lakartidningen** 72(42):4001–4, 15 Oct 75 **(Swe)**

EDUCATION

Surgical training in the United Kingdom with special reference to the role of the Royal Surgical Colleges. Mac Laren IF. **Acta Chir Belg** 74(6):557–67, Nov 75

Presidential address: A clinical teacher looks at surgical education. Cressman RD. **Am J Surg** 132(2):141–3, Aug 76

Editorial: Surgical residencies and the community hospital. Hoerr SO. **Am J Surg** 131(5):521–2, May 76

Postgraduate surgical training in Makerere. The crystallization of ideas. Ekwueme O, et al. **Ann R Coll Surg Engl** 57(4):198–203, Oct 75

American surgery––1976. Hardy JD. **Ann Surg** 184(3):245–52, Sep 76

An evaluation of the application procedure for surgical house officership. Rutkow IM. **Ann Surg** 182(2):130–4, Aug 75

The breeding and feeding of thoracic surgeons. Sloan H. **Ann Thorac Surg** 20(4):371–86, Oct 75

The general surgery residency––an anachronism? McVay CB. **Arch Surg** 111(4):319–22, Apr 76

Surgical training, past and future. McEachern AC. **Aust NZ J Surg** 46(1):1–12, Feb 76

Essentials of an approved educational program for a surgeon's assistant. **Conn Med** 39(8):493–6, Aug 75

Editorials: Surgical learning in community hospitals–1975. Strauch GO. **Conn Med** 39(9):543, Sep 75

Contributions on training for surgery in Ireland at present. McAuliffe Curtin J. **Ir Med J** 69(11):282–4, 26 Jun 76

The training of surgeons in Ireland. MacGowan WA. **Ir Med J** 69(11):285–7, 26 Jun 76

Beginning dermatologic surgery: an essay. Tromovitch TA. **J Dermatol Surg** 1(2):63–4, Jun 75

Editorial: Vasectomy program at Ramathibodi Hospital: training, research and public education. Muangmun V, et al. **J Med Assoc Thai** 58(9):455–8, Sep 75

Team testing: one component in evaluating surgical clerks. Linn BS, et al. **J Med Educ** 51(8):672–4, AUG 76

Evaluation of the surgical clerkship experience in affiliated hospitals: performance on objective examinations.

Schwartz GF, et al. **J Surg Res** 20(3):179–82, Mar 76
Letter: Surgical training. **Lancet** 2(7938):766, 18 Oct 75
Letter: Surgical training. Blandy JP, et al. **Lancet** 2(7936):656, 4 Oct 75
Correlation between students' results in pre–clinical and final surgery examinations. Black RB, et al. **Med Educ** 10(2):105–8, Mar 76
Letter: Prevention of 'January blues'. Hunt D. **Med J Aust** 1(14):453–4, 5 Apr 75
An improved M.B., B.S., 'final' examination in surgery. Isbister WH, et al. **Med J Aust** 1(11):351–3, 13 Mar 76
Postgraduate training for medical officers in the armed forces. Fulford PC. **Proc R Soc Med** 68(11):724–6, Nov 75
Challenges for the university departments of surgery. Skinner DB. **Surg Clin North Am** 56(1):3–5, FEB 76
Multifactor evaluations of surgical trainees and teaching services. Albo D Jr, et al. **Surgery** 80(1):115–21, Jul 76
Expansion of educational programs in university departments of surgery. Peacock EE Jr. **Surgery** 79(02):123–6, Feb 76
Cataract extraction by the intracapsular methods and by phacoemulsification: the results of surgeons in training. Cotlier E, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP163–82, Jan–Feb 76
Is it time for some changes in the present resident education program? Ear training. Paparella MM. **Trans Am Acad Ophthalmol Otolaryngol** 80(4 Pt 1):401–4, Jul–Aug 75
[Education of surgeons in the North Bohemia region] Rödling J. **Rozhl Chir** 54(10):673–85, Oct 75 (Eng. Abstr.) **(Cze)**
[History of the so–called Clamart Amphithéâtres des Hôpitaux] Boureau M. **Chirurgie** 100(11):759–61, 13–20 Nov 74 **(Fre)**
[The future of the tamphithéâtre des Hôpitaux: school of surgery] Cabrol C. **Chirurgie** 100(11):774–5, 13–20 Nov 74 **(Fre)**
[Present state of the buildings and surroundings of the Amphithéâtre des Hôpitaux] Patel A. **Chirurgie** 100(11):51–2, 13–20 Nov 74 **(Fre)**
[Teaching at the Amphithéâtre des Hôpitaux and its concordance with the general surgery special studies certificate] Rettori R. **Chirurgie** 100(11):770–1, 13–20 Nov 74 **(Fre)**
[Thoughts on the teaching of surgery and general medical training] Gábor P. **Orv Hetil** 117(7):388–91, 15 Feb 76 **(Hun)**
[Adaptation of television system for teaching of microsurgery] Latkowski B, et al. **Otolaryngol Pol** 30(1):45–8, 1976 (Eng. Abstr.) **(Pol)**
[Training of surgeons in Great Britain and Ireland with particular reference to higher–grade specialization] Birt AB. **Pol Przegl Chir** 47(10):1243–6, Oct 75 **(Pol)**
[State and perspectives of training of highly qualified surgeons (heads of departments)] Rusanov AA, et al. **Vestn Khir** 115(8):114–9, Aug 75 **(Rus)**
[Characteristics of teaching surgery on a military medical faculty] Ermolaev VR. **Voen Med Zh** (10):12–4, Oct 75 **(Rus)**
[Programmed control in the teaching of surgery] Lytkin MI, et al. **Voen Med Zh** (4):18–21, Apr 76 **(Rus)**
[Teaching young surgeons during the period of field studies] Novikov FG. **Voen Med Zh** (5):53, 1976 **(Rus)**
[Why not a combined medical–surgical year] Lundh B, et al. **Lakartidningen** 72(42):4001–4, 15 Oct 75 **(Swe)**

HISTORY

The past 25 years of surgery. Norton EW. **Am J Ophthalmol** 80(3 Pt 1):450–9, Sep 75
Johann Friedrich Meckel, the Younger (1781–1833). Gluecklich B. **Am J Surg** 132(3):384–6, Sep 76
The practice of surgery in the fourteenth century. Klein MD. **Am J Surg** 131(5):587–91, May 76
A critical study of Lister's work on antiseptic surgery. Toledo–Pereyra LH, et al. **Am J Surg** 131(6):736–44, Jun 76
Inflation––1904 model. Comroe JH Jr. **Am Rev Respir Dis** 112(5):713–6, Nov 75
Jonathan Hutchinson FRCS. Ewing M. **Ann R Coll Surg Engl** 57(6):296–308, Dec 75
The Norwich schools of surgery. The evolution of surgery in an English city. Jones FA. **Ann R Coll Surg Engl** 58(3):203–21, May 76
Presidential address: Societies, surgeons and surgery. Muller WH Jr. **Ann Surg** 183(5):449–62, May 76
Fabricius Hildanus (1560–1634) on postoperative complications. De Moulin D. **Arch Chir Neerl** 27(3):163–9, 1975
The Morison pouch. Gilliam JW Jr, et al. **Arch Surg** 111(3):227–8, Mar 76
The Gordon–Taylor memorial lecture: metatropoi aurai––the winds of change. Kenny PJ. **Aust NZ J Surg** 45(3):225–34, Aug 75
The Herbert Moran Lecture in Medical History : Moran. Loewenthal J. **Aust NZ J Surg** 45(2):119–29, May 75
American orthopedic surgery: the first 200 years. Bick EM. **Bull NY Acad Med** 52(3):293–325, Mar–Apr 76
A surgical case of deja vu. Blum L. **Bull NY Acad Med** 52(7):788–90, Sep 76
The Confederate States Medical and Surgical Journal: 1864–1865. Sharpe WD. **Bull NY Acad Med** 52(3):373–418, Mar–Apr 76
The evolution of surgical oncology. Presidential address: James Ewing society, New Orleans, 1975. Scanlon EF. **Cancer** 37(1):58–61, Jan 76
Astley Cooper of Guy's Hospital. Nuland SB. **Conn Med** 40(3):190–3, Mar 76
In memoriam. Lester R. Dragstedt, M.D., PH.D. 1893–1975. Woodward ER. **Gastroenterology** 70(1):2–4, Jan 76
Surgery at Guy's and St. Thomas's 100 years ago. Jackson BT. **Guys Hosp Rep** 120(3):229–44, 1971
A country surgeon: Dr. William A. Byrd. Hagler C. **Ill Med J** 149(5):477–9, May 76
Surgery. pp. 614–84. Moore FD.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation, 1976. WZ 70 AA1 A2 1976.
Surgery. pp. 614–84. Moore FD.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation,1976. WZ 70 AA1 A2 1976. (217 ref.)
History of vitrectomy. A personal experience. pp. 118–20. Kasner D.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.
Review of the sterilization of surgical sutures. pp. 431–5. Dawson JO.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.
Plaster saints: early orthopedic surgery in Kansas. Francisco WD. **J Kans Med Soc** 77(7):316–20, Jul 76
Crawford Williamson Long: his life and his discovery. **J Med Assoc Ga** 65(7):280–6, Jul 76
Memorial service for Sir John Bruce: St Giles' Cathedral The High Kirk of Edinburgh 3rd February 1976. Balfour D. **J R Coll Surg Edinb** 21(3):188–90, May 76
The footprints of Scottish paediatric surgery. Bruce J. **J R Coll Surg Edinb** 21(3):133–47, May 76
Syme's amputation. Murdoch G. **J R Coll Surg Edinb** 21(1):15–30, Jan 76
Sir John Bruce 1905–1975. Ross JA. **J R Coll Surg Edinb** 21(3):190–2, May 76
Inaugural Address. Thoracic surgery comes to Alta California. Part I. Brewer LA 3d. **J Thorac Cardiovasc Surg** 70(4):571–80, Oct 75
Inaugural address. Thoracic surgery comes to Alta California. Part II. Brewer LA 3d. **J Thorac Cardiovasc Surg** 70(5):763–78, Nov 75
The challenge of progress. Dugan DJ. **J Thorac Cardiovasc Surg** 72(1):1–6, Jul 76
Harvey Williams Cushing: the Baltimore period, 1896–1912. Harvey AM. **Johns Hopkins Med J** 138(5):196–216, May 76
John Jones, MD, 1729–1791 father of American surgery. Stark RB. **NY State J Med** 76(8):1333–8, Aug 76
Obituary: Trevor Watson Doouss. **NZ Med J** 82(545):93–4, 13 Aug 75
Department of Experimental Surgery and Plastics Research in Wroclaw. Kus H. **Polim Med** 5(2):111–2, 1975 (Eng. Abstr.)
A Huddersfield surgeon. William Wilks and the Old Dispensary. Wintersgill P. **Practitioner** 216(1293):352–5, Mar 76
John Collins Warren (1778–1856). Wynder RL. **Prev Med** 5(2):317–9, Jun 76
Surgery of the mastoid: the first centenary. Mawson SR. **Proc R Soc Med** 68(6):391–5, Jun 75
Surgery beneath the Kansas Apple Tree: Arthur Hertzler, M.D. Oppenheim EB. **Rev Surg** 33(3):149–51, May–Jun 76
Surgery in Rhode Island after the American Revolution. Perry T Jr. **RI Med J** 59(3):105–8, Mar 76
Eponym: Baker's cyst. **South Med J** 68(10):1304–5, Oct 75
Southern thoracic surgery. Pate JW. **South Med J** 68(9):1161–9, Sep 75
Management of toxic goiter, by Frank H. Lahey, reprinted from Surgical Clinics of North America, Vol. 6, No. 3, June 1926, pp. 605–10. **Surg Clin North Am** 56(3):541–6, Jun 76
Charles Bingham Penrose and the Penrose drain. Abramson DJ. **Surg Gynecol Obstet** 143(2):285–6, Aug 76
Lord Moynihan of Leeds. Buckman RF Jr. **Surg Gynecol Obstet** 142(1):90–4, Jan 76
Symposium: Glaucoma surgery. All imaginable types. I. History of early surgical treatment. Spaeth EB. **Trans Pa Acad Ophthalmol Otolaryngol** 28(2):138–41, Fall 75
The first three professors of surgery. Fraser I. **Ulster Med J** 45(1):12–46, 1976
Doctor Rickman and Virginia's continental surgeons. Warthen HJ. **Va Med Mon** 103(7):499–504, Jul 76
Wisconsin's surgical heritage. Falk VS. **Wis Med J** 75(4):24–8, Apr 76
[The journal 'Khirurgiia' was an active propagandizer and popularizer of the achievements of Soviet surgical science and practice during the 1st years of socialism in Bulgaria (1948–1952)] Strashimirov K. **Khirurgiia (Sofiia)** 29(2):165–9, 1976 (Eng. Abstr.) **(Bul)**
[Surgery during the Roman epoch in Bulgaria] Vasilev V. **Khirurgiia (Sofiia)** 29(2):160–4, 1976 **(Bul)**
[30 years of Czechoslovak surgery] Rödling J, et al. **Cas Lek Cesk** 114(43):1317–9, 24 Oct 75 **(Cze)**
[Developments in pediatric surgery since 1945] Tošovský V. **Cesk Pediatr** 30(12):602–4, Dec 75 **(Cze)**
[In the Surgeon's Room in Enkhuizen] Lindeboom GA. **Ned Tijdschr Geneeskd** 120(10):443–6, 6 Mar 76 **(Dut)**
[The first cleft lip operation in Finland] Rintala A. **Duodecim** 91(24):1538–45, 1975 (Eng. Abstr.) **(Fin)**
[Pierre Franco – the Huguenot surgeon (1505? – 1579?)] Sournia JC. **Arch Chir Neerl** 28(1):1–4, 1976 **(Fre)**
[Carrel, a great precursor] Godlewski G. **Brux Med** 55(2):53–66, Feb 75 **(Fre)**
[Note on the life and activities of Prof. Paul De Moor (1899–1973), Titulary Member] Deloyers L. **Bull Acad R Med Belg** 129(1 pt 2):64–8, 1974 **(Fre)**
[140th anniversary of the Amphithéâtre des Hôpitaux. Introduction] Cabrol C. **Chirurgie** 100(11):757–8, 13–20 Nov 74 **(Fre)**
[History of experimental surgery at the Amphithéâtre des Hôpitaux] Dufour B. **Chirurgie** 100(11):762–5, 13–20 Nov 74 **(Fre)**
[Pierre Mocquot (1879–1963)] Edelmann G. **Chirurgie** 101(1):10–20, 15–29 Jan 75 **(Fre)**
[Parisian clinical medicine before 1802] Huard P, et al. **Clio Med** 10(3):173–82, Sep 75 **(Fre)**
[The last Surgeon of the King in Quebec: Antoine Briault 1742–1760] Nadeau G. **Union Med Can** 105(1):115–38, Jan 76 **(Fre)**
[The history of the surgeon's position in societyA1 Ackerknecht. **Helv Chir Acta** 43(4):381–5, Sep 76 **(Ger)**
[Thoracic surgery: history and present status (author's transl)] Vossschulte K. **Langenbecks Arch Chir** 339:599–612, Nov 75 (Eng. Abstr.) **(Ger)**
[Medicine and surgery in Münster from 1749–1849] Rühland D, et al. **Med Monatsschr** 29(12):566–9, Dec 75 **(Ger)**
[Surgery of the biliary tract––history, and the developmental trends. III] Eichfuss HP, et al. **Med Welt** 27(18):887–93, 30 Apr 76 **(Ger)**
[Pediatric surgery then and now] Hartl H. **Wien Med Wochenschr** 125(16):249–52, 18 Apr 75 **(Ger)**
[Theodor Billroth (1829–1894), the ideal physician personality in 19th century] Kirste H. **Z Allgemeinmed** 51(32):1457–8, 20 Nov 75 **(Ger)**
[Universality and specialism in surgery] Ladányi J. **Orv Hetil** 117(16):947–52, 18 Apr 76 **(Hun)**
[Mario Caravetta is dead] **Minerva Med** 66(82):XI–XII, 1 Dec 75 **(Ita)**
[History of the international medico–surgical meetings] Oliaro T. **Minerva Med** 67(13):853–5, 17 Mar 76 **(Ita)**
[Views of Jósef Dietl on surgical treatment] Berezowski S. **Pol Tyg Lek** 31(27):1177–8, 5 Jul 76 **(Pol)**
[Antoni Jurasz––an outstanding physician and scientist] Brokowski Z. **Pol Tyg Lek** 30(39):1633–4, 29 Sep 75 **(Pol)**
[Development of Rumanian surgery in the past 30 years] Juvara I, et al. **Rev Chir [Chir]** 24(1):1–4, Jan–Feb 75 **(Rum)**
[Chief surgeons of the fronts during the Great Patriotic War of 1941–1945 on the 30th anniversary of the victory in the Great Patriotic War] Anichkov MN. **Eksp Khir Anesteziol** (2):3–6, Mar–Apr 75 **(Rus)**
[Anesthesia in the surgical practice of a rural physician] Brzheskiĭ VCh. **Eksp Khir Anesteziol** (2):77–9, Mar–Apr 75 **(Rus)**
[50th anniversary of the journal, Khirurgiia] **Khirurgiia (Mosk)** (5):3–32, May 75 **(Pus)**
[Memorable dates in the history of surgery in 1976] **Khirurgiia (Mosk)** (12):114–7, Dec 75 **(Rus)**
[Problems of diagnosis and treatment of parasitic diseases discussed in the journal 'Chirurgiia' (on the 50th anniversary of the Journal)] Bregadze IL. **Khirurgiia (Mosk)** (6):133–5, Jun 75 **(Rus)**
[The first Congress of Russian surgeons (on the 75th anniversary of the Congress)] Khromov BM. **Khirurgiia (Mosk)** (12):110–4, Dec 75 **(Rus)**
[Karl Reĭer (1846–1890), outstanding Russian military surgeon] Vangenstin OKh, et al. **Khirurgiia (Mosk)** (6):141–4, Jun 75 **(Rus)**
[Scientific activity of practicing physicians during the Great Patriotic War] Brzheskiĭ VCh. **Klin Khir** (3):81–3, Mar 76 **(Rus)**
[Teaching thoracic surgery in the Moscow medical–surgical school during the 1st few years after its foundation] Danilenko MV, et al. **Klin Khir** (8):83–5, Aug 75 **(Rus)**
[Development of Soviet military surgery during the years of Soviet rule] Tomashuk IP. **Klin Khir** (5):5–10, May 75 **(Rus)**
[The great victory and medicine] Kovanov VV. **Ter Arkh** 47(5):11–9, 1975 **(Rus)**
[Soviet surgery during the Great Patriotic War] Berkutov AN. **Vestn Khir** 114(5):3–7, May 75 **(Rus)**
[Nikolaĭ Nilovich Burdenko] Berkutov AN. **Vestn Khir** 116(5):3–7, May 76 **(Rus)**
[Development of surgical service in the Soviet Transcarpathian region (on the 30th anniversary of liberation of the Transcarpathian Region by the Soviet Army)] Fedinets AV, et al. **Vestn Khir** 114(5):21–3, May 75 **(Rus)**
[Vladimir Nikolaevich Samov–– scientist, surgeon and public figure] Karavonov GG, et al. **Vestn Khir** 114(2):140–3, Feb 75 **(Rus)**
[Surgery and surgeons of Leningrad during the Great Patriotic War] Khromov BM. **Vestn Khir** 114(5):7–13, May 75 **(Rus)**
[N.I. Pirogov and the Academy of Sciences] Mirskiĭ MB. **Vestn Khir** 116(3):132–4, Mar 76 **(Rus)**
[New data on the prerevolutionary period of the life and work of A.V. Vishnevskiĭ (on the 100th anniversary of his birth)] Rozengarten MIu, et al. **Vestn Khir** 114(4):132–5,

Apr 75 **(Rus)**
[The journal 'I.I. Grekov Vestnik Khirurgii' during the war years] Zaĭtsev EI. **Vestn Khir** 114(5):13–21, May 75 **(Rus)**
[A.V. Vishnevskiĭ, his life and activities (on the centenary of his birth)] Zak IuI, et al. **Vestn Khir** 116(2):145–50, Feb 76 **(Rus)**
[Military field surgery in World War II and its development over the 30 postwar years] Berkutov AN. **Voen Med Zh** (5):31–5, May 75 **(Rus)**
[Contribution of N. N. Burdenko to the development of Soviet military field surgery (on the centenary of his birth)] Sheliakhovskiĭ MV. **Voen Med Zh** (5):19–23, 1976 **(Rus)**
[Military field surgery in World War II and prospects for its further development] Vishnevskiĭ AA, et al. **Voen Med Zh** (4):32–7, Apr 75 **(Rus)**
[Filatov's flap in otorhinolaryngology (on the centenary of the birth of Academician V.P. Filatov)] Kurilin IA, et al. **Zh Ushn Nos Gorl Bolezn** (2):4–14, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

MANPOWER

Attitudes toward surgeon's assistants: a survey of health professionals in training and/or utilizing hospitals. Faircloth KP, et al. **Ala J Med Sci** 13(2):124–32, Apr 76
Report on the Manpower Subcommittee, Study on Surgical Services for the United States. Moore FD. **Ann Surg** 182(4):526–30, Oct 75
Manpower goals in American surgery. Implications for residency training. Future surgical manpower in the framework of total United States physicians. Moore FD. **Ann Surg** 18(2):125–44, Aug 76
The discipline of surgical oncology. Raven RW. **Clin Oncol** 1(1):5–10, Mar 75
Medical Council of New Zealand report on the 1973 and 1974 questionnaires, with particular reference to house surgeons and registrars. **NZ Med J** 82(547):173–4, 10 Sep 75
Questionnaire on surgical manpower and residency training. Siegel JH, et al. **Surgery** 80(2):277–82, AUG 76
[Occupational skin diseases in surgeons] Chlebarov S. **Hefte Unfallheilkd** (121):500–4, 1975 **(Ger)**
[Letter: Surgery plan in M-county—the 5th and last part?] Eklöf B. **Lakartidningen** 73(22):2075, 26 May 76 **(Swe)**
[Letter: Save us from travelling surgeons] Hegardt C. **Lakartidningen** 72(33):3052–3, 13 Aug 75 **(Swe)**

METHODS

Synchronous combined abdomino- thoraco-cervical (oesophagectomy). Nanson EM. **Aust NZ J Surg** 45(4):340–8, Nov 75
The external shunt in the treatment of idiopathic priapism. Cate HW, et al. **J Urol** 114(5):726–9, Nov 75
Distal hypospadias, chordee and torsion: The Allen-Spence procedure and new modifications. Klauber GT. **J Urol** 114(5):765–8, Nov 75
[Surgical use of the laser] Grotelüschen B. **Fortschr Med** 94(1):33–6, 8 Jan 76 (Eng. Abstr.) **(Ger)**

STANDARDS

Presidential address and first annual Edgar Poth lecture. What's good about medicine. A look at the record. Mertz GH. **Am J Surg** 130(6):629–33, Dec 75
Letter: The surgical assistant— the illogical regulation. Meyerowitz BR. **Arch Surg** 111(7):831, Jul 76
Letter: Need for clinical research in surgery of digestive disease. Almy TP. **Gastroenterology** 70(4):636–7, Apr 76
Stricter controls needed to regulate surgical procedures. **Hospitals** 49(21):74, 79, 1 Nov 75

SURGERY, MINOR

Outpatient anaesthesia in Finland: drugs used and postoperative care of patients. Korttila K. **Ann Chir Gynaecol Fenn** 64(5):292–8, 1975
Proceedings: The relationship between insulin and growth hormone before, during and after minor surgery. Russell RC, et al. **Br J Surg** 63(8):666–7, Aug 76
Planning a hospital-based outpatient surgery program. Phalen JF. **Hosp Prog** 57(6):64–5, 70, Jun 76
Day surgery: modular units offer design flexibility. Brengandé BJ. **Hospitals** 49(19):66–9, 1 Oct 75
Day surgery: hospital-based unit improves utilization. Hawthorne DD. **Hospitals** 49(19):62–5, 1 Oct 75
Peripheral issues cloud basic questions in day surgery. Kernaghan SG. **Hospitals** 49(19):58–61, 1 Oct 75
Post-operative depression of antibody-dependent lymphocyte cytotoxicity following minor surgery and anaesthesia. Vose BM, et al. **Immunology** 30(1):123–8, Jan 76
Alterations in urinary 17-ketosteroid levels following major and minor surgical operations. Singh RK, et al. **Indian J Med Res** 63(2):253–5, Feb 75
Clinical pharmacology of local anesthetics used in outpatient procedures. Garfield JM. **Int Anesthesiol Clin** 14(2):51–62, Summer 76
Development of an independent outpatient surgical center. Reed WA, et al. **Int Anesthesiol Clin** 14(2):113–30, Summer 76
The potential for outpatient surgery. Rosoff CB. **Int Anesthesiol Clin** 14(2):1–8, Summer 76
Evaluation of candidates for outpatient anesthesia and surgery. Schmidt KF. **Int Anesthesiol Clin** 14(2):9–13, Summer 76
Nerve block anesthesia for minor hand surgery. Sorrells RB. **J Arkansas Med Soc** 72(10):397–9, Mar 76
Spot dermabrasion, a useful minor surgical procedure. Farber GA, et al. **J Dermatol Surg** 1(4):53–5, Dec 75
Day surgery for children. Turner LM. **Nurs Times** 71(40):1592–3, 2 Oct 75
Pediatric outpatient surgery in a community hospital. Alvear DT, et al. **Pa Med** 79(3):52–3, Mar 76
Ambulatory surgery. O'donovan TR. **R Soc Health J** 96(3):129–3, Jun 76
[Thalassemic syndromes and abnormal hemoglobulins among surgical and trauma patients] Penev M, et al. **Vutr Boles** 15(2):86–93, 1976 (Eng. Abstr.) **(Bul)**
[Minor resections of the lung for malignant tumors] Kostelecký A, et al. **Rozhl Chir** 55(6):373–9, Jun 76 (Eng. Abstr.) **(Cze)**
[Minor surgery for those unexperienced in surgery] Böhme PE. **Med Monatsschr** 29(5):199–200, May 75 **(Ger)**
[Sombrevin anesthesia in the out-patient practice and minor surgery] D'iachenko PK, et al. **Klin Khir** (8):23–6, Aug 75 **(Rus)**
[Methoxyflurane anesthesia in outpatient operations] Leidermann MM. **Voen Med Zh** (4):70–1, Apr 76 **(Rus)**
[Perspectives and possibilities of development of surgical service in the polyclinics] Khromov BM. **Zdravookhr Ross Fed** (6):6–10, Jun 75 **(Rus)**

METHODS

Thirteen shortcuts in office surgery. Crile G Jr. **Surg Clin North Am** 55(5):1025–9, Oct 75
[Hypnotic analgesia] Chertok L, et al. **Nouv Presse Med** 5(10):637–8, 6 Mar 76 **(Fre)**
[Minor orthopedic surgery in the practice] Volkert R. **Z Allgemeinmed** 51(32):1472–9, 20 Nov 75 **(Ger)**

STANDARDS

Ambulatory surgery standards needed. Goran MJ, et al. **Hosp Prog** 57(8):47–51,55, Aug 76

SURGERY, OPERATIVE

see related
OPERATING ROOMS
POSTOPERATIVE COMPLICATIONS

Contribution to the study of chest and lung mechanics in artificially ventilated normal man during surgery. Gillard C, et al. **Acta Anaesthesiol Belg** 23 Suppl:19–42, 1975
A rational approach to dosage and preparation of parenteral glucocorticoid substitution therapy during surgical procedures. A short review. Kehlet H. **Acta Anaesthesiol Scand** 19(4):260–4, 1975
The function of polymorphonuclear leukocytes after surgical trauma. Bröte L, et al. **Acta Chir Scand** 141(7):565–70, 1975
Replacement of blood loss with physiological saline in major surgery. Lund B, et al. **Acta Chir Scand** 141(6):461–6, 1975
Value of routine estimation of erythrocyte sedimentation rate in surgical patients. Nielsen SE, et al. **Acta Chir Scand** 142(2):97–8, 1976
Antibiotics in surgery. Tally FP, et al. **Adv Surg** 9:41–95, 1975 (111 ref.)
Effect of premedication halothane anesthesia and surgery on plasma luteinizing hormone levels in man. Oyama T, et al. **Agressologie** 17(2):119–24, 1976
Hypobaric versus hyperbaric spinal anesthesia in geriatric surgery. Erdemir HA, et al. **Ala J Med Sci** 13(1):94–6, Jan 76
Hypnotic procedures and surgery: a critical analysis with applications to 'acupuncture analgesia'. Chaves JF, et al. **Am J Clin Hypn** 18(4):217–36, Apr 76
Repair of extensor tendon injuries of the hand. Blue AI, et al. **Am J Surg** 132(1):128–32, Jul 76
Effects of parenteral alimentation on postoperative gastric function. Byrd HS, et al. **Am J Surg** 130(6):688–93, Dec 75
Laparoscopy in general surgery. Gomel V. **Am J Surg** 131(3):319–23, Mar 76
Repair of recurrent ventral hernias by an internal 'binder'. Lichtenstein IL, et al. **Am J Surg** 132(1):121–5, Jul 76
Major surgery in leukemia. Rasmussen BL, et al. **Am J Surg** 130(6):647–51, Dec 75
Management of surgical problems in patients on methadone maintenance. Rubenstein RB, et al. **Am J Surg** 131(5):566–9, May 76
The computer as an unbiased medical investigator. Experience on an active surgical service. Stillman RM, et al. **Am J Surg** 132(2):209–13, Aug 76
Hydroxychloroquine sulfate in prevention of thromboembolic phenomena in surgical patients. Pilcher DB. **Am Surg** 41(12):761–6, DEC 75
Role of gastrin determinations in clinical surgery. Stremple JF, et al. **Am Surg** 42(2):102–7, Feb 76
The peri-operative measurement of cardiac output in infancy by the thermodilution technique. Lawrie GM, et al. **Anaesth Intensive Care** 3(4):317–20, Nov 75
Pancuronium bromide in emergency surgery. Chatterjee SC. **Anaesthesia** 31(5):694–8, Jun 76
Relation of anesthesia to total hip replacement and control of operative blood loss. Amaranath L, et al. **Anesth Analg (Cleve)** 54(5):641–8, Sep–Oct 75
Hypnosis for monitoring intraoperative spinal cord function. Crawford AH, et al. **Anesth Analg (Cleve)** 55(1):42–4, Jan–Feb 76
Perioperative awareness and recall. Eisele V, et al. **Anesth Analg (Cleve)** 55(4):513–8, Jul–Aug 76
Propranolol and surgical anesthesia. Kaplan JA, et al. **Anesth Analg (Cleve)** 55(1):1–5, Jan–Feb 76
Hazards of anesthesia and operation in maple-syrup-urine disease. Delaney A, et al. **Anesthesiology** 44(1):83–6, Jan 76
Effect of posture on functional residual capacity postoperatively. Hsu HO, et al. **Anesthesiology** 44(6):520–1, Jun 76
Relationship of right bundle-branch block and marked left axis deviation to complete heart block during general anesthesia. Rooney SM, et al. **Anesthesiology** 44(1):64–6, Jan 76
Unsuspected pheochromocytoma in a surgical patient. Rorie DK. **Anesthesiology** 43(3):363–5, Sep 75
Diagonal ear-lobe crease as an indicator of operative risk. Sprague DH. **Anesthesiology** 45(3):362–4, Sep 76
Intraoperative autotransfusion. Stehling LC, et al. **Anesthesiology** 43(3):337–45, Sep 75 (37 ref.)
Volume and pH of gastric juice in obese patients. Vaughan RW, et al. **Anesthesiology** 43(6):686–9, Dec 75
An antibiotic policy for surgical patients. Gilmore OJ, et al. **Ann R Coll Surg Engl** 57(4):204–11, Oct 75
Surgical experiences in Nepal. Melsom MA. **Ann R Coll Surg Engl** 57(5):268–73, Nov 75
Incidental splenectomy: a review of the literature and the New York Hospital experience. Danforth DN Jr, et al. **Ann Surg** 183(2):124–9, Feb 76
Editorial: Is intermittent positive pressure breathing therapy (IPPB RX) necessary in the surgical patient? Gold MI. **Ann Surg** 184(1):122–3, Jul 76
Elective and emergency surgery in renal transplant patients. Leapman SB, et al. **Ann Surg** 183(3):266–70, Mar 76
Acute cholecystitis as a postoperative complication. Ottinger LW. **Ann Surg** 18(2):162–5, Aug 76
Influence of the postoperative state on the intracellular free amino acids in human muscle tissue. Vinnars E, et al. **Ann Surg** 182(6):665–71, Dec 75
Direct monitoring of arterial pressure in the newborn and infant: a difficult procedure made easy. Olinger GN, et al. **Ann Thorac Surg** 21(6):557–9, Jun 76
Informed consent: recall by patients tested postoperatively. Robinson G, et al. **Ann Thorac Surg** 22(3):209–12, Sep 76
The carbon-dioxide laser. A new surgical tool. Verschueren RJ, et al. **Arch Chir Neerl** 27(3):199–207, 1975
Elevated plasma MB creatine phosphokinase activity. A specific marker for myocardial infarction in perioperative patients. Roberts R, et al. **Arch Intern Med** 136(4):421–4, Apr 76
Disturbances in hepatic blood flow during anesthesia and surgery. Gelman SI. **Arch Surg** 111(8):881–3, Aug 76
The psychiatrist in the surgical intensive care unit. II. A consideration of staff roles. Nadelson T. **Arch Surg** 111(2):118–9, Feb 76
How to control the blood glucose level in the surgical diabetic patient. Rossini AA, et al. **Arch Surg** 111(9):945–9, Sep 76
'The doctor's dilemma'. Warren R. **Arch Surg** 110(11):1425, Nov 75
Surgery and the patient with lung diseases. I. Preoperative appraisal and preparation. Weese WC. **Ariz Med** 33(2):110–2, Feb 76
Changes in liver function after different types of surgery. Clarke RS, et al. **Br J Anaesth** 48(2):119–28, Feb 76
Sickle-cell trait. A report of a postoperative neurological complication. Dalal FY, et al. **Br J Anaesth** 46(5):387–8, May 74
Antibiotics in the peri-operative period. Darrell JH, et al. **Br J Anaesth** 48(1):13–9, Jan 76 (35 ref.)
Blood fibrinolytic activity during major surgery in unsupplemented glucocorticoid-treated patients. Engquist A. **Br J Anaesth** 48(8):805–8, Aug 76
Proceedings: Factors influencing arterial oxygen tension and alveolar-arterial oxygen partial pressure difference in surgical patients. Gillies ID, et al. **Br J Anaesth** 48(8):812–3, Aug 76
Proceedings: Methods of evaluating the extravasation of albumin during surgery. Grogono AW. **Br J Anaesth** 48(3):266–7, Mar 76
Acupuncture analgesia. Report of 100 experiments. Mann F. **Br J Anaesth** 46(5):361–4, May 74
Effects of althesin anaesthesia and surgery on carbohydrate and fat metabolism in man. Mehta S, et al. **Br J Anaesth** 47(8):863–9, Aug 75
Effects of althesin anaesthesia and surgery on plasma concentrations of luteinizing hormone and testosterone in man. Oyama T, et al. **Br J Anaesth** 47(10):1093–6, Oct 75
Hepatitis B as a hazard in anaesthetic practice. Waterson AP. **Br J Anaesth** 48(1):21–4, Jan 76
Proceedings: Coagulation and fibrinolytic responses during operative surgery. Butler MJ, et al. **Br J Surg** 62(8):666, Aug 75
Proceedings: Patterns of secretion and interrelationship testosterone and luteinizing hormone after surgical stress. Dudley HA, et al. **Br J Surg** 63(8):668, Aug 76
Use of logic-based flow patterns in the investigation and management of surgical disorders. Ellis BW. **Br J Surg** 62(10):800–3, Oct 75
The relationship of plasma glucagon to the hyperglycaemia and hyperinsulinaemia of surgical operation. Giddings AE, et al. **Br J Surg** 63(8):612–6, Aug 76
Proceedings: Increased plasma pro-insulin following operation: a mechanism for insulin resistance. Giddings AE,

et al. **Br J Surg** 63(8):666, Aug 76
Proceedings: Fibrinolytic capacity after surgical operation. Griffiths NJ, et al. **Br J Surg** 63(8):668, Aug 76
Proceedings: High incidence of malnutrition is hospitalized surgical patients. Hill GL, et al. **Br J Surg** 63(8):663–4, Aug 76
Proceedings: Comparison of fructose and glucose clearance during and after major surgery in man. McCarthy DO, et al. **Br J Surg** 62(8):658, Aug 75
Proceedings: The effect of surgery on the resistance of guinea-pigs to a transplantable tumour: a possible immunological explanation. Turnbull AR, et al. **Br J Surg** 62(8):657, Aug 75
Letter: Assessment of results of surgery. Ebrahim S. **Br Med J** 1(6017):1074, 1 May 76
Letter: Sexual aspects of medicine. Prentice GM. **Br Med J** 4(5987):41, 4 Oct 75
Acupuncture: surgical aspects. Sechzer PH, et al. **Bull NY Acad Med** 51(8):922–9, Sep 75
Anaesthetic complications in surgical out-patients. Brindle GF, et al. **Can Anaesth Soc J** 22(5):613–9, Sep 75
Effect of isoflurane anaesthesia and surgery on carbohydrate metabolism and plasma cortisol levels in man. Oyama T, et al. **Can Anaesth Soc J** 22(6):696–702, Nov 75
Patterns of total and ionized calcium and other electrolytes in plasma during and after general surgery. Rodriguez R, et al. **Can Anaesth Soc J** 23(1):15–21, Jan 76
Surgical rates in the Canadian provinces, 1968 to 1972. Vayda E, et al. **Can J Surg** 19(3):235–42, May 76
Indications for prophylactic preoperative insertion of pacemakers in patients with right bundle branch block and left anterior hemiblock. Venkataraman K, et al. **Chest** 68(4):501–6, Oct 75
Effect of epidural analgesia on the glycoregulatory endocrine response to surgery. Brandt M, et al. **Clin Endocrinol (Oxf)** 5(2):107–14, Mar 76
Prophylactic antibiotic therapy: its use and abuse. Van Scoy RE. **Clin Obstet Gynecol** 19(3):721–33, Sep 76
Preparing a patient for surgery: consent, information, and emotional support. Youngs DD, et al. **Clin Obstet Gynecol** 19(2):431–48, Jun 76
The place of pull-through operations in treatment of carcinoma of the rectum. Bennett RS. **Dis Colon Rectum** 19(5):420–4, Jul–Aug 76
Intraoperative Chaffin sump recto-colonic irrigation. Thow GB. **Dis Colon Rectum** 19(4):330–3, May–Jun 76
Some observations on paediatric surgical problems in Dar es Salaam, Tanzania. Shija JK. **East Afr Med J** 52(4):201–7, Apr 75
The incidence and pattern of sepsis among general surgical in-patients at Muhimbili hospital, Dar es Salaam, 1973. Shija JK. **East Afr Med J** 53(3):153–9, Mar 76
Surgical stress: decrease in plasma testosterone levels due to hypersecretion of ACTH? Sorcini G, et al. **Folia Endocrinol (Roma)** 27(6pt2):685–95, Dec 74
Postoperative motility of the large intestine in man. Wilson JP. **Gut** 16(9):689–92, Sep 75
Suppression of glucagon secretion during surgery. Miyata M, et al. **Horm Metab Res** 8(3):239–40, May 76
The encapsulation of microelectronic devices for long-term surgical implantation. Donaldson PE. **IEEE Trans Biomed Eng** 23(4):281–5, Jul 76
Guidelines for the dosage and application of the intravenous provision of nutrient substances in the intra- and post-operative periods. pp. 142–8. Dölp R, et al. **In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 I43 1974.** (9 ref.)
A rational approach to the management of the glucocorticoid-treated surgical patient. pp. 344–6. Kehlet H. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**
Adrenal glands and anesthesia. pp. 334–5. Oyama T, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**
Alterations in urinary 17-ketosteroid levels following major and minor surgical operations. Singh RK, et al. **Indian J Med Res** 63(2):253–5, Feb 75
Carriage of Pseudomonas aeruginosa amongst hospital staff and surgical patients on admission. Srivastava L, et al. **Indian J Med Res** 63(2):196–200, Feb 75
Serum and urinary magnesium levels following major trauma and surgery in children. Purohit PK, et al. **Indian Pediatr** 12(5):407–10, May 75
Intraoperative fluid therapy. Furman EB. **Int Anesthesiol Clin** 13(3):133–47, Fall 75
Preparation of the renal patient for surgery. Herrin JT. **Int Anesthesiol Clin** 13(3):183–202, Fall 75
Improved method of operative cholangiography. Durst AL, et al. **Int Surg** 60(10):552–4, Oct 75
Editorial: Antibiotics and surgeons. Friedell MT. **Int Surg** 61(3):133, Mar 76
Infections in the surgical departments of a teaching hospital in Jerusalem. Simchen E, et al. **Isr J Med Sci** 12(6):573–82, Jun 76
Surgery in hemophilic patients. Post M, et al. **J Bone Joint Surg [Am]** 57(8):1136–45, Dec 75
On the risk of organ loss. Gittelsohn AM, et al. **J Chronic Dis** 29(8):527–35, Aug 76
Proceedings: Alcoholic solutions and other agents for disinfection of the surgeon's hands. Lowbury EJ, et al. **J Clin Pathol** 28(9):753–4, Sep 75
Anxiety and pain in surgical patients. Martinez-Urrutia A. **J Consult Clin Psychol** 43(4):437–42, Aug 75
Reduction of anxiety in children facing hospitalization and surgery by use of filmed modeling. Melamed BG, et al. **J Consult Clin Psychol** 43(4):511–21, Aug 75
Surgery and coronary heart disease. Drasin H, et al. **J Dermatol Surg** 2(1):39–43, Mar 76
Proceedings: Effects of surgery on plasma testosterone, luteinizing hormone and follicle-stimulating hormone: a comparison of pre- and postoperative patterns of secretion. Evans PF, et al. **J Endocrinol** 69(3):25P, Jun 76
Simple wounds and simple incisions. Richards V. **J Fam Pract** 2(4):297–302, Aug 75
Immunoreactive corticotrophin reserve in old age in man during and after surgical stress. Blicher-Toft M, et al. **J Gerontol** 31(5):539–45, Sep 76
Informed consent for surgical operation. Garber JN. **J Indiana State Med Assoc** 68(10):888–9, Oct 75
Surgical complications of anticoagulation. Foston WD, et al. **J Natl Med Assoc** 67(5):354–63, Sep 75
A new transparent insulating gown for the surgical neonate. Hobbs JF, et al. **J Pediatr Surg** 11(3):455–60, Jun 76
A state-wide survey of index pediatric surgical conditions. Touloukian RJ, et al. **J Pediatr Surg** 10(5):725–32, Oct 75
Proceedings: Changes in aerobic power in patients undergoing elective surgery. Carswell S. **J Physiol (Lond)** 251(1):42P–43P, Sep 75
Lymphocyte response after surgery and blood transfusion. Hunt PS, et al. **J Surg Res** 21(1):57–61, Jul 76
Effect of Surgery on the Quantity of Lymphocyte Subpopulations. Miller GC, et al. **J Surg Res** 21(3):155–8, Sep 76
Hypocitricemic response to surgical stress in rats. Stacey R, et al. **J Surg Res** 19(6):391–5, Dec 75
Intraoperative autotransfusion: equipment, protocols, and guidelines. Raines J, et al. **J Trauma** 16(08):616–23, Aug 76
Letter: On awakening paralyzed during surgery. **JAMA** 235(12):1209–11, 22 Mar 76
Editorial: Unnecessary surgery. Barclay WR. **JAMA** 236(4):387–8, 26 Jul 76
On awakening paralyzed during surgery. A syndrome of traumatic neurosis. Blacher RS. **JAMA** 234(1):67–8, 6 Oct 75
Preoperative pulmonary function testing. Block AJ, et al. **JAMA** 235(3):257–8, 19 Jan 76
Letter: Preoperative pulmonary function testing. Frazier CA. **JAMA** 235(22):2390, 31 May 76
Letter: Antihypertensive medication and surgery. Geer RT, et al. **JAMA** 234(12):1221–2, 22 Dec 75
Ambulatory surgery in a university setting. Patterson JF Jr, et al. **JAMA** 235(3):266–8, 19 Jan 76
Letter: Taping preoperative explanations. Priviteri CA. **JAMA** 235(26):2815, 28 Jun 76
Incision decision. **Lancet** 2(7935):594, 27 Sep 75
Letter: Anaesthesia for short-stay surgery. Aromaa U. **Lancet** 2(1976):102, 10 Jul 76
Letter: Serum triiodothyronine and surgery. Brandt M, et al. **Lancet** 1(7957):491, 28 Feb 76
Serum triiodothyronine and reverse triiodothyronine concentrations after surgical operation. Burr WA, et al. **Lancet** 2(7948):1277–9, 27 Dec 75
Letter: Postoperative feeding and metabolism. Wiklund L, et al. **Lancet** 2(7938):770, 18 Oct 75
The management of sickle cell patients undergoing surgery. Spooner TR, et al. **Laryngoscope** 86(4):506–8, Apr 76
Surgery of the aged. Management of psychiatric problems. Beard BH. **Major Probl Clin Surg** 17:124–38, 1975
Management of cardiovascular problems. Elkins RC. **Major Probl Clin Surg** 17:53–61, 1975
Surgery of the aged. Management of respiratory problems. Greenfield LJ. **Major Probl Clin Surg** 17:62–73, 1975
Results of surgery in the aged. Greenfield LJ. **Major Probl Clin Surg** 17:139–45, 1975
Fluid and electrolyte therapy. Hartsuck JM. **Major Probl Clin Surg** 17:39–52, 1975
Wound healing and the inflammatory response in the aged. Schilling JA. **Major Probl Clin Surg** 17:24–38, 1975
A model for tissue response to high-intensity energy sources. Incropera FP, et al. **Med Biol Eng** 12(2):199–207, Mar 74
Resources utilized for the care of surgical patients in the emergency department. Burney RE, et al. **Med Care** 13(12):1021–32, Dec 75
Words are more important than incisions. Davey WW. **Med J Aust** 1(19):705–6, 8 May 76
Surgery, art or science? Mitchell RM. **Med J Aust** 2(1):5–9, 5 Jul 75
Should propranolol be stopped before surgery? **Med Lett Drugs Ther** 18(10):41–2, 7 May 76
Psychological factors in illness and healing. Frank JD. **Med Times** 104(4):114–21, Apr 76
A numerically coded file of operative procedures derived from a free text data collection system: a measure of the accuracy. Scudiero CA Jr, et al. **Methods Inf Med** 15(1):21–8, Jan 76
Letter: Scope of unwarranted operations. **N Engl J Med** 294(26):1461–4, 24 Jun 76
The impact of surgery on body image. Gruendemann BJ. **Nurs Clin North Am** 10(4):635–43, Dec 75
Unjustified surgery. Fact or myth? Emerson R. **NY State J Med** 76(3):454–60, Mar 76
Major surgery in Jehovah's witnesses. Gardner B, et al. **NY State J Med** 76(5):765–7, May 76
Expected hemotherapy in elective surgery. Mintz PD, et al. **NY State J Med** 76(4):532–7, Apr 76
Preoperative and intraoperative evaluation in ovarian malignancy. Piver MS, et al. **Obstet Gynecol** 48(3):312–5, Sep 76
Factors associated with the development of asthma and hay fever in children: the possible risks of hospitalization, surgery, and anesthesia. Johnstone DE, et al. **Pediatrics** 56(3):398–403, Sep 75
Observations on the myth of 'informed consent'. Leeb D, et al. **Plast Reconstr Surg** 58(3):280–2, Sep 76
Studies on the behavior of lymphocytes in the direct lymphocytotoxicity test (DLT) in surgical patients: II. Dynamics of immunological reactivity in selected cases. Cybulski L, et al. **Pol Med Sci Hist Bull** 15(5–6):573–9, Sep–Dec 75
Studies on the behavior of lymphocytes in the direct lymphocytotoxicity test (DLT) in surgical patients: I. Diagnostic value of the test. Cybulski L, et al. **Pol Med Sci Hist Bull** 15(5–6):567–71, Sep–Dec 75
Silicones for medical applications. Evans JG. **Polim Med** 4(2):135–44, 1974
Preventive antibiotics in surgery. Burke JF. **Postgrad Med** 58(3):65–8, Sep 75
The place of early social assessment in the management of surgical patients. Bates T, et al. **Postgrad Med J** 52(604):61–5, Feb 76
Annual review of surgery 1973. Ellis H. **Postgrad Med J** 50(585):401–15, Jul 74 (94 ref.)
The impact of surgery on boys. Moore WT. **Psychoanal Study Child** 30:529–48, 1975
Relationship of locus of control to preoperative anxiety. Lowery B, et al. **Psychol Rep** 37(3 PT 2):1115–21, Dec 75
The direct potential of the intestinal wall. Its change in ischemia and revascularization. An experimental study in the rat. Campos ST, et al. **Rev Bras Pesqui Med Biol** 8(5–6):481–7, Sep–Dec 75
Surgical complications of drug abuse. Geelhoed GW. **Rev Surg** 33(3):215–8, May–Jun 76
Langer's lines: a commentary. Flint MH. **Surg Annu** 8:25–46, 1976
Surgical aspects of space flight. Musgrave S. **Surg Annu** 8:1–23, 1976
Elective and emergency surgery in children with sickle cell disease. Burrington JD, et al. **Surg Clin North Am** 56(1):55–71, FEB 76
Physiologic considerations in the newborn surgical patient. Rowe MI, et al. **Surg Clin North Am** 56(2):245–61, Apr 76
Wound healing. Schilling JA. **Surg Clin North Am** 56(4):859–74, Aug 76
Special considerations in surgical management of patients on hemodialysis and after successful kidney transplantation. Stuart FP, et al. **Surg Clin North Am** 56(1):15–9, FEB 76
Effect of intraoperative autotransfusion on red cell mass and red cell survival. Buth J, et al. **Surg Forum** 26:276–8, 1975
Neutrophil function in surgical patients: correlation of neutrophil bactericidal function, serum albumin, and sepsis. Dhillon KS, et al. **Surg Forum** 26:27–8, 1975
Infusion of crystalline amino acids with and without dextrose in morbid obesity. Freeman JB, et al. **Surg Forum** 26:35–7, 1975
Crystalloid therapy in resuscitation during routine surgery and severe trauma. Page JG, et al. **Surg Forum** 26:18–22, 1975
Albumin deposition in human lung, skin, and skeletal muscle during surgery. Smith PC, et al. **Surg Forum** 26:91–3, 1975
The importance of candida as an infectious agent. Ackerman NB, et al. **Surg Gynecol Obstet** 140(1):65–8, Jan 75
Changing etiologic patterns of renal insufficiency in surgical patients. Fischer RP, et al. **Surg Gynecol Obstet** 140(1):85–6, Jan 75
Unimpaired renal, myocardial and neurologic function after cross clamping of the thoracic aorta. Garcia-Rinaldi R, et al. **Surg Gynecol Obstet** 143(2):249–52, Aug 76
Colloid oncotic pressure and levels of albumin and total protein during major surgical procedures. Howland WS, et al. **Surg Gynecol Obstet** 143(4):592–6, Oct 76
Crystalloid versus colloid hemodilution in man. Laks H, et al. **Surg Gynecol Obstet** 142(4):506–12, Apr 76
Editorial: Counseling in elective operations. McBeath AA. **Surg Gynecol Obstet** 143(2):270, Aug 76
Intravenous iron-dextran therapy in the treatment of anemia occurring in surgical, gynecologic and obstetric patients. Mays T, et al. **Surg Gynecol Obstet** 143(3):381–4, Sep 76
A simple method of intraoperative autotransfusion. Noon GP, et al. **Surg Gynecol Obstet** 143(1):65–70, Jul 76
Kraske's posterior approach to the rectum. O'Brien PH. **Surg Gynecol Obstet** 142(3):412–4, Mar 76
Intraoperative location of the ampulla of Vater. O'Leary JP. **Surg Gynecol Obstet** 142(3):410–1, Mar 76
Stress in surgical patients as a neurophysiologic reflex response. Wilmore DW, et al. **Surg Gynecol Obstet** 142(2):257–69, Feb 76 (124 ref.)
Letter: Plasma growth hormone. Devlin JG. **Surgery** 79(5):605–6, May 76
Hospitals, surgeons jointly liable for operating room nurse negligence. Stone SV Jr. **Tex Med** 72(3):115–6, Mar 76
Intraoperative autologous blood transfusion: report of a technique. Khan RM, et al. **Thorax** 30(4):447–51, Aug 75
Preoperative cardiac evaluation. Shine KI. **Urol Clin North Am** 3(2):217–23, Jun 76
A computer-based surgery reporting system--an entry point

to clinical information systems. Michas CA, et al. **West J Med** 124(2):151–8, Feb 76

[Alterations in plasma insulin and blood glucose during anesthesia and surgery] Gosheva—Antonova Ts, et al. **Khirurgiia (Sofiia)** 27(6):487–92, 1974 (Eng. Abstr.) **(Bul)**

[Surgical intervention in patients with hemophilia A in Bulgaria] Petrov M, et al. **Khirurgiia (Sofiia)** 27(4):274–8, 1974 (Eng. Abstr.) **(Bul)**

[Development, significance and news in experimental surgery of the Creation Socialist Republic] Kraljević L, et al. **Lijec Vjesn** 97(2):67–71, Feb 75 (Eng. Abstr.) **(Cro)**

[Surgical problems in geriatrics] Siška K, et al. **Rozhl Chir** 54(10):665–72, Oct 75 (Eng. Abstr.) **(Cze)**

[Pediatric surgery. Experience with short-time hospitalization and various notes on anesthesiological and nursing technics] Festen C, et al. **Ned Tijdschr Geneeskd** 120(2):54–7, 10 Jan 76 (Eng. Abstr.) **(Dut)**

[Known and unrecognized hemophilia in surgery] Bimar J, et al. **Anesth Analg (Paris)** 32(4):627–30, Jul–Aug 75 **(Fre)**

[Surgical experience in hemophilia. Apropos of 220 operations in 136 hemophiliacs] Favre-Gilly J, et al. **Anesth Analg (Paris)** 32(4):591–601, Jul–Aug 75 **(Fre)**

[Surgical experience in Lille with patients with hemophilia and Von Willebrand's disease. Apropos of 93 cases] Laget-Corsin L. **Anesth Analg (Paris)** 32(4):603–16, Jul–Aug 75 **(Fre)**

[A new method of using a respiratory analeptic in general surgery] Masliah-Planchon R, et al. **Anesth Analg (Paris)** 32(2):249–62, Mar–Apr 75 **(Fre)**

[Preliminary study of peroperative variations in cardiac output, induced under neuroleptoanalgesia in surgical patients undergoing extracorporeal circulation] Niat G, et al. **Anesth Analg (Paris)** 32(3):339–50, May–Jun 75 **(Fre)**

[The psychological behavior of the patient on the eve of surgery and its impact on his pre- and postoperative state] Rizzi R, et al. **Anesth Analg (Paris)** 32(1):69–86, Jan–Feb 75 **(Fre)**

[Policy of antibiotherapy in a septic-aseptic department] Aubert M, et al. **Ann Anesthesiol Fr** 15(3):187–92, 1974 (Eng. Abstr.) **(Fre)**

[General anesthesia in a patient with known acute intermittent severe porphyria] Choffat P, et al. **Ann Anesthesiol Fr** 15(1):61–9, 1974 (Eng. Abstr.) **(Fre)**

[Risk of arterial hypertensive patients in anesthesia and surgery] D'Athis F. **Ann Anesthesiol Fr** 15(1):33–8, 1974 (Eng. Abstr.) **(Fre)**

[Harzard of chronic exposure to halothane for operating room personnel] Desbaumes E, et al. **Ann Anesthesiol Fr** 16(6):437–45, Oct 75 (Eng. Abstr.) **(Fre)**

[Problems for the anesthesiologist caused by arterial hypertension and by surgery of arterial hypertension. Lesson I] Du Cailar J. **Ann Anesthesiol Fr** 15(1):1B–4B, 1974 **(Fre)**

[Problems for the anesthesiologist caused by arterial hypertension and surgery of arterial hypertension. Lesson II] Du Cailar J. **Ann Anesthesiol Fr** 15(1):1C–7C, 1974 **(Fre)**

[Note on septicemia caused by fungi in a surgical resuscitation department] Richard A, et al. **Ann Anesthesiol Fr** 15(3):235–8, 1974 (Eng. Abstr.) **(Fre)**

[Candida septicemia in a general surgery department] Ribet M, et al. **Chirurgie** 101(7):441–6, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Surgical operations in patients with hemophilia A] Rudowski WJ. **Chirurgie** 101(7):494–501, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[A day of surgery in France. National statistical survey] Sournia JC, et al. **Chirurgie** 101(9):662–7, Oct 75 **(Fre)**

[Experimental portal hypertension in the dog] Germain M. **J Chir (Paris)** 110(1–2):151–7, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Surgical Forum 1975. Statement of certain experimental works presented at the Surgical Forum 1975 (San francisco)] Liégeois A. **J Chir (Paris)** 111(5–6):621–6, May–Jun 76 **(Fre)**

[Round table: Responsibility of the surgeon in his team] René L, et al. **J Chir (Paris)** 111(4):483–90, Apr 76 **(Fre)**

[Peroperative and postoperative cholangiography. Technics and results] Warter P, et al. **J Radiol Electrol Med Nucl** 56(8–9):628–33, Aug–Sep 75 **(Fre)**

[Prevention of infections during the operative period in children by administration of gammaglobulins] Duriez J, et al. **Nouv Presse Med** 5(6):353–4, 7 Feb 76 **(Fre)**

[Postoperative disease] Germain A. **Rev Chir [Chir]** 111(5–6):627–38, May–Jun 76 (Eng. Abstr.) **(Fre)**

[The use of the 'anti-G-suit' during operations in the sitting position as a treatment of postural hypotension.(author's transl)] Auer L. **Acta Neurochir (Wien)** 32(1–2):131–7, 1975 (Eng. Abstr.) **(Ger)**

[Anesthesiological practice in the surgical treatment of the aged] Hübner J, et al. **Anaesthesiol Intensivmed Prax** 10(1):29–36, 1975 **(Ger)**

[Bloodless and continuous oxygen monitoring using a transcutaneous oxygen electrode] Schwickardi D. **Anaesthesiol Intensivmed Prax** 11(1):63–6, Oct 75 **(Ger)**

[Plasma renin activity, plasma aldosterone and electrolyte balance in the postoperative period (author's transl)] Hackl JM, et al. **Anaesthesist** 24(11):477–82, Nov 75 (Eng. Abstr.) **(Ger)**

[Intraoperative autotransfusion in gynecology and surgery (author's transl)] Kieninger G, et al. **Anaesthesist** 25(8):357–65, Aug 76 (Eng. Abstr.) **(Ger)**

[Plasma renin activity and plasma aldosterone during anaesthesia and operative stress and beta-adrenergic blockade (author's transl)] Wernze H, et al. **Anaesthesist** 24(11):471–6, Nov 75 (Eng. Abstr.) **(Ger)**

[New aspects for enlargement of surgical x-rays (author's transl)] Freyschmidt J, et al. **Arch Orthop Unfallchir** 84(1):67–76, 26 Feb 76 (Eng. Abstr.) **(Ger)**

[Responsibility and sense of responsibility of a surgeon] Heim W. **Chirurg** 47(8):118–20 suppl, Aug 76 **(Ger)**

[Failures and hazards of surgical laparoscopy] Menken FC. **Fortschr Med** 93(35–36):1773–4, 18 Dec 75 (Eng. Abstr.) **(Ger)**

[The postoperative management of the alcoholic (author's transl)] Leithäuser D. **HNO** 23(11):345–6, Nov 75 **(Ger)**

[Pentazocine—an ideal analgesic for surgery?] pp. 34–6. Mittelbach HR. **In: Neuhaus GA, Kubicki SK, ed. Pentazocin–ein neuer Wdg. Stuttgart, Thiem 1975. QV 95 P419p 1974.** (Eng. Abstr.) **(Ger)**

[Peripheral parenteral feeding during the postoperative stage (preliminary report)] Ahnefeld FW, et al. **Infusionsther Klin Ernaehr** 3(4):195–7, Aug 76 (Eng. Abstr.) **(Ger)**

[Selective quantitative determination of single endogenously liberated nonesterified fatty acids in the blood of surgical patients] Olbermann M, et al. **Infusionsther Klin Ernaehr** 3(4):210–4, Aug 76 (Eng. Abstr.) **(Ger)**

[The influence of alpha receptor blockaders on insulin secretion stimulated by glucose during anesthesia and surgery] Stremmel W. **Infusionstherapie** 1(4):307–13, Apr 74 (Eng. Abstr.) **(Ger)**

[Significance of lipid metabolism in surgical diseases] Stremmel W. **Infusionstherapie** 1(3):238–43, Feb 74 (Eng. Abstr.) **(Ger)**

[Quantitative determination of fragment erythrocytes (schistocytes) in healthy subjects and patients after surgery] Klein PJ, et al. **Klin Wochenschr** 53(18):847–51, 15 Sep 75 (Eng. Abstr.) **(Ger)**

[Use and limitations of acute normovolemic hemodilution] Coburg AJ, et al. **Langenbecks Arch Chir** Suppl:399–404, 1975 (Eng. Abstr.) **(Ger)**

[Effect of intramuscular dihydroergotamine on blood circulation in the early postoperative phase. A clinical study] Martin E, et al. **Med Klin** 71(22):961–5, 28 May 76 (Eng. Abstr.) **(Ger)**

[The use of dextran solutions] Korbanka R, et al. **Med Welt** 26(37):1688, 12 Sep 75 **(Ger)**

[Ambulatory surgery in childhood] Höpner F. **Monatsschr Kinderheilkd** 124(5):442–4, May 76 **(Ger)**

[Tropical surgery] Habicht H. **Munch Med Wochenschr** 117(31):1285–6, 1 Aug 75 **(Ger)**

[Time table for non urgent operations in childhood (author's transl)] Rickham PP, et al. **Praxis** 64(12):362–5, 25 MAR 75 (Eng. Abstr.) **(Ger)**

[Anaesthesia in the surgical practice (author's transl)] Meine J. **Ther Umsch** 32(12):757–63, Dec 75 (Eng. Abstr.) **(Ger)**

[Editorial: Surgery in general practice] Pfeiffer KM. **Ther Umsch** 32(12):755–6, Dec 75 **(Ger)**

[Test methods for surgical hand disinfection (author's transl)] Reber H, et al. **Zentralbl Bakteriol [Orig B]** 160(6):601–27, Aug 75 (Eng. Abstr.) **(Ger)**

[Current problems of ambulatory-stationary cooperation in surgery] Brauner G. **Zentralbl Chir** 100(15):927–30, 1975 **(Ger)**

[Hemophilia as a surgical problem] Feszler G. **Zentralbl Chir** 100(22):1403–5, 1975 **(Ger)**

[Determination and importance of fibrinolytic degradation products in surgical operations] Frick VU. **Zentralbl Chir** 101(5):294–7, 1976 **(Ger)**

[Avoidance of blood transfusion by acute normovolemic hemodilution (author's transl)] Mikus E, et al. **Zentralbl Chir** 101(13):784–7, 1976 (Eng. Abstr.) **(Ger)**

[Immunological bases of surgery] Mücke D. **Zentralbl Chir** 100(20):1217–29, 1975 **(Ger)**

[Problems of geriatric surgery and postoperative care] Blum E. **ZFA** 52(4):172–85, 10 Feb 76 **(Ger)**

[CO2 laser surgery] Kaplan I. **Harefuah** 89(6):243–4, 16 Sep 75 (Eng. Abstr.) **(Heb)**

[Treatment of diabetes mellitus during surgery] Cannavale V, et al. **Clin Ter** 72(2):130–8, 31 Jan 75 **(Ita)**

[Peripheral anesthesia in operative surgery] Rizzi R, et al. **Minerva Anestesiol** 41(9):407–25, Sep 75 (Eng. Abstr.) **(Ita)**

[Dissolved gelatin as a plasma substitute. 10 years of clinical use] Selleri G. **Minerva Anestesiol** 41(11):561–7, Nov 75 (Eng. Abstr.) **(Ita)**

[Surgery in hemophilics with protection by concentrated blood derivatives. Experience of our Center] Mancuso G, et al. **Minerva Pediatr** 28(6):333–4, 25 Feb 76 **(Ita)**

[Effects of althesin-nitrous oxide anesthesia, surgical stress and pentazocine given as a premedication on plasma luteinizing hormone in children] Maeda A, et al. **Jpn J Anesthesiol** 24(5):438–44, May 75 (Eng. Abstr.) **(Jpn)**

[Effects of ketamine-nitrous oxide anesthesia and surgical procedure serum levels of thyroxine and triiodothyronine] Matsuki A, et al. **Jpn J Anesthesiol** 25(4):373–7, Apr 76 (Eng. Abstr.) **(Jpn)**

[Surgical treatment in hemophilia] Talstad I, et al. **Tidsskr Nor Laegeforen** 96(12):692–5, 30 Apr 76 (Eng. Abstr.) **(Nor)**

[Healing of surgical wounds in relation to the early removal of dressings and sutures] Dybicki J, et al. **Pol Przegl Chir** 48(4):467–74, Apr 76 (Eng. Abstr.) **(Pol)**

[Surgery on high-risk patients] Nielubowicz J, et al. **Pol Przegl Chir** 47(12):1527–33, Dec 75 (Eng. Abstr.) **(Pol)**

[Role of the psychologist in surgical practice] Politowski M, et al. **Pol Przegl Chir** 47(8):1051–6, Aug 75 **(Pol)**

[Intensive postoperative care in cardiological patients] Biederman A, et al. **Wiad Lek** 29(10):869–72, 15 May 76 (Eng. Abstr.) **(Pol)**

[Usefulness of subarachnoid analgesia in a surgical department of a regional hospital] Wilczyński S, et al. **Wiad Lek** 29(11):991–4, 1 Jun 76 (Eng. Abstr.) **(Pol)**

[Limits of permissible risk in surgery] Khaĭ GA. **Eksp Khir Anesteziol** (2):49–54, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Dynamics of the volume of circulating blood in relation to surgery] Levite EM, et al. **Eksp Khir Anesteziol** (5):77–80, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Simultaneous conduction of several operations] Deenichin P. **Khirurgiia (Mosk)** (7):44–8, Jun 75 **(Rus)**

[Weight method of measurement of blood loss during surgery and its modification] Levité EM. **Khirurgiia (Mosk)** (6):116–8, Jun 75 **(Rus)**

[Functional state of the liver in anesthesia and surgery] Mikhel'son VA, et al. **Khirurgiia (Mosk)** (10):89–92, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of different types of anesthesia and surgical trauma on pancreatic function] Rusakov VI, et al. **Khirurgiia (Mosk)** (10):92–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Use of dimethylsulfoxide in surgery] Levenets VN, et al. **Klin Khir** (3):67–73, Mar 76 (166 ref.) **(Rus)**

[Pulmonary response to operative trauma in persons with practically healthy lungs] Vyshinskaia TE. **Klin Khir** (8):26–30, Aug 75 **(Rus)**

[Products of degradation of fibrinogen in surgical patients] Golovastova GI, et al. **Lab Delo** (6):368–71, 1975 **(Rus)**

[Effect of massive blood loss and blood transfusion during surgery on the state of the sympathetic-adrenal system and glucocorticoid function of the adrenal cortex] Meniallov NV, et al. **Probl Gematol Pereliv Krovi** 20(4):16–20, Apr 75 (Eng. Abstr.) **(Rus)**

[Urgent problems of blood transfusion in surgery] Petrovskiĭ BV, et al. **Probl Gematol Pereliv Krovi** 19(2):3–8, Feb 74 **(Rus)**

[Organization of ambulatory surgical care in a rural region] Vel'm IA. **Sov Zdravookhr** (4):37–41, 1975 (Eng. Abstr.) **(Rus)**

[Gnotobiology in experimental and clinical surgery] Podoprigora GI. **Vestn Akad Med Nauk SSSR** (11):84–8, 1975 **(Rus)**

[Surgical aspects of organ transplantation in rats] Rozvadovskiĭ VD, et al. **Vestn Akad Med Nauk SSSR** (7):74–8, 1975 (Eng. Abstr.) **(Rus)**

[Method of determination and classification of surgical risk] D'iachenko PK, et al. **Vestn Khir** 115(7):75–80, Jul 75 (Eng. Abstr.) **(Rus)**

[Postoperative glycemic reactions and their prognosis in patients with concomitant diabetes mellitus] Myshkin KI, et al. **Vestn Khir** 116(5):97–9, May 76 **(Rus)**

[Combined anesthesia in emergency and planned surgery] Belov VA, et al. **Voen Med Zh** (10):22–5, Oct 75 **(Rus)**

[Neuroleptoanalgesia during surgery on ships] Dudochkin NA. **Voen Med Zh** (2):82–3, Feb 76 **(Rus)**

[Surgical service on hospital ships (review of non-Soviet literature)] Lushchitskin MA, et al. **Voen Med Zh** (2):75–9, Feb 76 **(Rus)**

[Possibilities of expanding the volume of surgical service in garrison hospitals] Reshetkov AI, et al. **Voen Med Zh** (3):62–4, Mar 76 **(Rus)**

[Organization of surgical service under special conditions in the General National Defense system on the territory of Social Republic of Serbia] Dordevic LJ. **Acta Chir Iugosl** 23(1 Suppl):31–41, 1976 **(Ser)**

[Organization of surgical work in hospitals under special conditions] Jekic M, et al. **Acta Chir Iugosl** 23(1 Suppl):375–8, 1976 (Eng. Abstr.) **(Ser)**

[Multiple deficiency syndrome in pediatric surgery] Porass-Ramírez G. **Gac Med Mex** 110(3):189–98, Sep 75 **(Spa)**

[Replacement of blood losses during pediatric surgery] Manzano Alonso JL, et al. **Rev Esp Anestesiol Reanim** 22(3):249–56, May 75 (Eng. Abstr.) **(Spa)**

[How often is reoperation needed in general surgery?] Arfwidsson S, et al. **Lakartidningen** 73(11):962–4, 10 Mar 76 (Eng. Abstr.) **(Swe)**

[Experiments in surgery at Landskrona hospital] Aspegren K, et al. **Lakartidningen** 72(38):3534–41, 17 Sep 75 (Eng. Abstr.) **(Swe)**

[Use and misuse of blood transfusion] Ohlsson E, et al. **Lakartidningen** 73(15):1401–4, 7 Apr 76 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Conduction disturbances after total correction of tetralogy of Fallot. Sondheimer HM, et al. **Am Heart J** 92(3):278–82, Sep 76

Hypnotherapy for secondary frigidity after radical surgery for gynecological cancer: two case reports. Cheek DB. **Am J Clin Hypn** 19(1):13–9, Jul 76

Vascular injuries in pelvic cancer surgery. Bergan JJ, et al.

Am J Obstet Gynecol 124(6):562–6, 15 Mar 76

Femoral neuropathy following abdominal hysterectomy. Georgy FM. **Am J Obstet Gynecol** 123(8):819–22, 15 Dec 75

Hemorrhage into the lens as a complication of glaucoma surgery. Ferry AP. **Am J Ophthalmol** 81(3):351–4, Mar 76

The dubiousness of grafting the dispensable flexor pollicis longus. Kilgore ES Jr, et al. **Am J Surg** 132(2):292–6, Aug 76

Repair of peristomal colostomy hernias. Prian GW, et al. **Am J Surg** 130(6):694–6, Dec 75

Internal jugular vein thrombosis with fatal iatrogenic pulmonary embolism: a case report. Dorton HE. **Am Surg** 41(11):753–4, Nov 75

Intussusception following jejunoileal bypass: case report and review of the literature. Wise L, et al. **Am Surg** 42(5):346–9, May 76

Innominate artery rupture. A major complication of tracheal surgery. Deslauriers J, et al. **Ann Thorac Surg** 20(6):671–7, Dec 75

Splenic injury during abdominal surgery. Cioffiro W, et al. **Arch Surg** 111(2):167–71, Feb 76

Acute ultrastructural changes in the middle cerebral artery due to the injury and ischemia of surgical clamping. Dodson RF, et al. **Can J Neurol Sci** 3(1):23–7, Feb 76

Myocardial ischemia due to infrarenal aortic cross-clamping during aortic surgery in patients with severe coronary artery disease. Attia RR, et al. **Circulation** 53(6):961–5, Jun 76

The anterior tibial compartmental syndrome. A complication of the Hauser procedure. Wiggins HE. **Clin Orthop** (113):90–94, Nov–Dec 75

The estimation of surgical risk. Chase HF. **Del Med J** 48(6):337–43, Jun 76

Psychiatry and medical progress: therapeutic considerations. Abram HS. **Int J Psychiatry Med** 6(1–2):203–11, 1975 (37 ref.)

Hallucinatory experience: a personal account. Goldstein AG. **J Abnorm Psychol** 85(4):423–9, Aug 76

Operative and nonoperative risks in the cardiac patient. Sapala JA, et al. **J Am Geriatr Soc** 23(12):529–34, Dec 75

Observations on the management of failed spinal operations. Crock HV. **J Bone Joint Surg [Br]** 58(2):193–9, May 76

Complications in the treatment of hemangiomas. Rees TD, et al. **J Dermatol Surg** 1(4):29–32, Dec 75

Iatrogenic complications in gynaecology (gastro-intestinal and urinary tract). Baxi LV, et al. **J Postgrad Med** 21(1):13–6, Jan 75

The effect of surgery on bile acid metabolism. Mitchell WD. **J R Coll Surg Edinb** 21(3):181–7, May 76

Embolization of caval umbrella. Discussion and report of successful removal from the right ventricle. Isch JH, et al. **J Thorac Cardiovasc Surg** 72(2):256–8, AUG 76

Letter: The slippery knot syndrome. Foley TJ. **JAMA** 236(7):821, 16 Aug 76

Letter: Pneumatosis intestinalis. Wilson SE. **JAMA** 236(6):559–60, 9 AUG 76

Gas transport resulting from plasma-scalpel surgery. Henderson MR, et al. **Med Biol Eng** 12(2):208–13, Mar 74

McVay herniorrhapy. The transition suture and femoral vein injury: case report. Lankau CA Jr, et al. **Milit Med** 140(9):641–2, Sep 75

Starch granuloma syndrome. Starch peritonitis as an iatrogenic disease. Seski AG, et al. **Obstet Gynecol** 48(1 Suppl):60S–62S, Jul 76

Cardiac arrhythmias during tonsillectomy and adenoidectomy. Rodriguez-Torres R, et al. **Ohio State Med J** 71(18):839–42, Dec 75

Damage to the inner ear in mastoid surgery. Dürrer J, et al. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(3):147–50, 1974

Effect of surgical trauma on host defense. Saba TM, et al. **Surg Annu** 7:71–102, 1975 (160 ref.)

Early complications of sterilization in women not recently pregnant. Brenner WE, et al. **Surg Gynecol Obstet** 140(1):69–74, Jan 75

Disconnection of the ampulla of Vater. Corlette MB. **Surg Gynecol Obstet** 141(6):915–8, Dec 75

Iatrogenic cryptorchidism resulting from hernia repair. Kaplan GW. **Surg Gynecol Obstet** 142(5):671–2, May 76

Surgical injury to ureter. Gangai MP, et al. **Urology** 8(1):22–7, Jul 76

[Intraoperative prevention of blood transfusion complications (a review of the literature)] Chernokozhev Kh. **Khirurgiia (Sofiia)** 28(5):483–8, 1975 (52 ref.) **(Bul)**

[Malignant hyperthermia during an operation (a review of the literature)] Chernokozhev Kh. **Khirurgiia (Sofiia)** 29(1):64–9, 1976 (70 ref.) **(Bul)**

[Hemorrhagic complications with fibrinogen changes. Practical data. Schematic description with glossary] Boisseau MR. **J Chir (Paris)** 108(5):449–66, Nov 74 (Eng. Abstr.) **(Fre)**

[Improved intervention against the hypotony-syndrome with chamber splitting after pressure lowering operations (author's transl)] Mackensen G, et al. **Klin Monatsbl Augenheilkd** 165(5):696–704, Nov 74 (Eng. Abstr.) **(Ger)**

[Incidence of postoperative deep vein thrombosis in general surgical and urological patients an investigation by means of the 125I-Fibrinogen test in 95 patients withoug prophylaxis (author's transl)] Schaub N, et al. **Langenbecks Arch Chir** 340(1):23–34, 24 Oct 75 **(Ger)**

[Postoperative mortality and its etiology (author's transl)] Schulz U, et al. **Langenbecks Arch Chir** 340(1):49–58, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Problems of blood substitute therapy in severe surgical hemorrhages] Zilio G, et al. **Minerva Anestesiol** 41(12):628–31, Dec 75 (Eng. Abstr.) **(Ita)**

[Effects of incomplete ligation of the nerve on neuromuscular mechanism--appearance of myasthenic pheomenon] Shibuya N. **Clin Neurol (Tokyo)** 15(5):279–85, May 75 (Eng. Abstr.) **(Jpn)**

[Surgery and diabetes mellitus (author's transl)] Litwin M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:255–62, 1974 **(Pol)**

[Condition of newborn infants born to mothers following surgery for valvular heart diseases] Pogorzelska E, et al. **Pol Tyg Lek** 31(18):761–3, 3 May 76 (Eng. Abstr.) **(Pol)**

[Injuries of the bladder in inguinal herniorrhaphy] Evgrafov VL. **Khirurgiia (Mosk)** (9):114–7, Sep 75 **(Rus)**

[Errors in surgical tactics during emergency surgery in diseases of the abdominal organs] Zakharova GN, et al. **Sov Med** (11):59–64, Nov 75 (Eng. Abstr.) **(Rus)**

[Characteristics of an alcoholic delirium provoked by surgical intervention] Stetskiv OV, et al. **Vrach Delo** (1):121–2, Jan 76 **(Rus)**

HISTORY

[Sauerbruch and the development of thoracic surgery] Zenker R. **Munch Med Wochenschr** 117(45):1815–8, 7 Nov 75 **(Ger)**

METHODS

Abdominal incision and closure. A systems approach. Martyak SN, et al. **Am J Surg** 131(4):476–80, Apr 76

Ventilatory patterns after vertical and transverse upper abdominal incisions. Williams CD, et al. **Am J Surg** 130(6):725–8, Dec 75

A new sutureless technique for skin closure. Hasson HM, et al. **Arch Surg** 111(1):83–4, Jan 76

Acute preoperative hemodilution in surgical patients. Klövekorn WP, et al. **Bibl Haematol** (41):248–59, 1975

Acute preoperative hemodilution patients. Peter K, et al. **Bibl Haematol** (41):260–9, 1975

Hemodilution in hip surgery. Vela R. **Bibl Haematol** (41):270–7, 1975

Way-out thinking. Berne CJ. **Surg Gynecol Obstet** 142(5):740, May 76

[Extramucosal lateral access to the laryngeal vestibulum] Pinel J, et al. **Ann Otolaryngol Chir Cervicofac** 93(4–5):313–6, Apr–May 76 **(Fre)**

[Research on intrazygoportal disconnection by use of Vosschulte's ring. Experimental study in the dog] Germain M, et al. **J Chir (Paris)** 111(3):377–88, Mar 76 (Eng. Abstr.) **(Fre)**

[Bladder exstrophy operated by Lattimer's technic. 10 year results] Cibert J, et al. **J Urol Nephrol (Paris)** 81(1–2):45–7, Jan–Feb 75 **(Fre)**

[Research on sutures and ligatures in struma surgery] Wiesend O, et al. **Chirurg** 46(10):479–81, Oct 75 **(Ger)**

[The rehabilitation of aged patients from a surgical viewpoint] Bärlehner E, et al. **Z Alternsforsch** 30(3):255–62, 1975 **(Ger)**

[Combining surgical operations] Dezsö L. **Orv Hetil** 117(6):341–2, 8 Feb 76 **(Hun)**

[Resection of an abdominal aortic aneurysm associated with simultaneous surgery for various causes. Report on 2 cases under our study on whom we operated successfully] Baruffi E, et al. **Minerva Cardioangiol** 23(12):849–51, Dec 75 (Eng. Abstr.) **(Ita)**

[Transabdominal ligation of the Fallopian tubes in the post partum period] González Calzada GJ. **Ginecol Obstet Mex** 39(232):135–43, Feb 76 (Eng. Abstr.) **(Spa)**

[Inguinal hernias in childhood: comparison of 3 surgical technics, long-term results] Daum R, et al. **Rev Fac Cienc Med Cordoba** 32(3–4):291–5, Jul–Dec 74 (Eng. Abstr.) **(Spa)**

MORTALITY

Operative risk in patients with previous coronary artery bypass. Scher KS, et al. **Arch Surg** 111(7):807–9, Jul 76

Moderate preoperative hemodilution, mortality and thrombus formation in general surgery. Gelin LE, et al. **Bibl Haematol** (41):239–47, 1975

Cholecystostomy hazard in acute cholangitis. Saik RP, et al. **JAMA** 235(22):2412–3, 31 May 76

[Clinical mortality of surgery in the aged in comparison with the mortality in all combined age groups] Hoogendoorn D. **Ned Tijdschr Geneeskd** 119(38):1482–4, 20 Sep 75 **(Dut)**

STANDARDS

Correct surgical procedure. Durán Sacristán H, et al. **Antibiot Chemother** 21:40–3, 1976

Surgical audit. Wilk H. **Del Med J** 47(9):523–7, 533, Sep 75

Stricter controls needed to regulate surgical procedures. **Hospitals** 49(21):74, 79, 1 Nov 75

Surgical suite: a year of self-assessment. Meyer L. **Hospitals** 50(7):131–3, 1 Apr 76 (18 ref.)

What else is new? Cunningham RM Jr. **Mod Health Care** 5(5):92, 90–1, May 76

Healthcare law. Horty JF. **Mod Health Care** 6(1):49–50, Jul 76

The maximum surgical blood order schedule and surgical blood use in the United States. Friedman BA, et al. **Transfusion** 16(4):380–7, Jul–Aug 76

[The numerators and the denominators; evaluation of surgical methods] Zwaveling A. **Ned Tijdschr Geneeskd** 120(12):524–7, 20 Mar 76 **(Dut)**

UTILIZATION

Mag rebuts the Moss Report on Unnecessary Surgery. Rogers HL Jr. **J Med Assoc Ga** 65(5):139–42, May 76

VETERINARY

Unacceptable surgical procedures applicable to domestic animals. **J Am Vet Med Assoc** 168(10):947–53, 15 May 76

Prevention of inadequate intraoperative tissue oxygenation. Haskins SC. **Vet Clin North Am** 6(2):257–63, May 76

Presurgical evaluation of the surgical patient. Henry WB Jr. **Vet Clin North Am** 5(3):317–31, Aug 75

The benefits of letting clients view surgery. Levoy RP. **Vet Med Small Anim Clin** 71(5):710–1, May 76

SURGERY, ORAL

Acupuncture applied as a method of analgesia for oral surgery with particular reference to dental operations. Borzecki M, et al. **Anaesth Resusc Intensive Ther** 3(3):251–7, Jul–Sep 75

Dysrhythmias associated with oral surgery. Bradshaw EG. **Anaesthesia** 31(1):13–7, Jan–Feb 76

Idarac v ibuprofen in the relief of dental pain. Walker JE, et al. **Br J Clin Pract** 30(2):43–5, Feb 76

A model to evaluate mild analgesics in oral surgery outpatients. Cooper SA, et al. **Clin Pharmacol Ther** 20(2):241–50, Aug 76

Dual publication issue. **J Oral Surg** 34(6):487–8, Jun 76

Letter: The legal definition of oral surgery. Baumgarten RS. **J Oral Surg** 34(2):104, Feb 76

Letter: Do you want to do histories and physicals? Bluth OD. **J Oral Surg** 34(4):295, Apr 76

Evaluation of competence of the oral surgeon in physical diagnosis. Keene WR. **J Oral Surg** 33(10):743–5, Oct 75

Editorial: A time for discussion and a time for unity. Laskin DM. **J Oral Surg** 33(11):829, Nov 75

Letter from the editor: Delays in publication. Laskin DM. **J Oral Surg** 34(3):199, Mar 76

Hucksterism in professional practice. Laskin DM. **J Oral Surg** 34(4):297, Apr 76

Don't judge a book by its cover. Laskin DM. **J Oral Surg** 34(8):683, Aug 76

Hepatitis type A in an oral surgeon: a prospective study of contacts. Maulitz RM. **J Oral Surg** 34(9):805–7, Sep 76

Letter: Clinicians for state and regional Society meetings. Murnane TW. **J Oral Surg** 34(5):391, May 76

The application of xeroradiography in oral surgery. Olson DJ, et al. **J Oral Surg** 34(5):438–41, May 76

Letter: A divided house? Schmitt CK. **J Oral Surg** 34(5):391, May 76

Dentists and oral cancer: the experience and attitudes of the practitioner. Petit E, et al. **NY State Dent J** 42(3):161–7, Mar 76

Use of a needle biopsy in oral and maxillofacial surgery. Friedlander AH. **Oral Surg** 41(4):411–5, Apr 76

Editorial: What is maxillofacial surgery and who are maxillofacial surgeons? Spira M. **Plast Reconstr Surg** 56(4):438–9, Oct 75

Tissue transplantation in dentistry. Boyne PJ. **Transplant Proc** 8(2 Suppl 1):83–7, Jun 76

[Letter: Hospital odontology] Jorgensen S. **Ugeskr Laeger** 138(19):1158, 3 May 76 **(Dan)**

[Letter: Hospital dentists and oral surgery] Ritzau M. **Ugeskr Laeger** 138(28):1735–6, 5 Jul 76 **(Dan)**

[Use of 17 190 RP (Pirocrid) in maxillofacial surgery] Gosserez M, et al. **Ann Chir** 29(8):787–8, Sep 75 **(Fre)**

[Neuroleptoanalgesia in maxillo-facial surgery] Timoşca G, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):565–9, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Preoperative medical survey and the dentist's responsibility] Pompians-Miniac L. **Rev Odontostomatol (Paris)** 3(3):199–205, May 74 **(Fre)**

[Various technics of pre-prosthetic surgery as a function of the type of prosthetic instability Lyon concepts] Cros P, et al. **Rev Stomatol Chir Maxillofac** 76(1):75–80, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Current significance of pre-prosthetic surgery] Netter JC. **Rev Stomatol Chir Maxillofac** 76(1):61–3, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Hemorrhages after stomatological-surgical interventions. Experiences with patients of the stomatological emergency service at the university stomatological clinic in Halle] Schneider D. **Stomatol DDR** 25(11):779–85, Nov 75 (Eng. Abstr.) **(Ger)**

[Aftercare following dental surgical interventions] Winklmair M. **ZWR** 84(17):764–74, 10 Sep 75 **(Ger)**

[The effectiveness of some antiseptic drugs in the preoperative preparation of the mouth] Mallios K, et al. **Stomatologia (Athenai)** 32(4):177–91, Jul–Aug 75 (Eng. Abstr.) **(Gre)**

[Laboratory and clinical studies of the hemostatic effect of dicynone] Béla B, et al. **Fogorv Sz** 69(4):105–8, Apr 76 **(Hun)**

[Ataractalgesia using seduxen and phentanyl combined with local anesthesia in oral surgery] Bazhanov NN, et al. **Stomatologiia (Mosk)** 55(2):71–3, Mar–Apr 76 **(Rus)**

[Organization of intensive therapy in the Clinic of Oral

Surgery] Dunaevskiĭ VA, et al. **Stomatologiia (Mosk)** 54(4):34–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The use of an elastic reticulo-tubular bandage in oral surgery] Shargorodskiĭ AG, et al. **Stomatologiia (Mosk)** 55(2):81–3, Mar–Apr 76 **(Rus)**

[Use of neuroleptanalgesia in combination with local anesthesia in operations in the maxillofacial area] Zakharov IuS, et al. **Stomatologiia (Mosk)** 54(5):102–3, Sep–Oct 75 **(Rus)**

EDUCATION

Audio visual aids in the teaching of oral surgery. Glahn M. **Acta Stomatol Belg** 72(4):815–7, 1975

Audio visual aids in the teaching of oral surgery. Glahn M. **Acta Stomatol Belg** 72(4):815–7, 1975

The department of dental medicine and surgery University of Melbourne. Reade P. **Aust Dent J** 21(1):71–6, Feb 76

Editorial: The fellowship. **Br Dent J** 140(10):329–30, 18 May 76

Letter: Problems with resident selection. **J Oral Surg** 34(4):295, Apr 76

What constitutes appropriate training in physical diagnosis and medicine for oral surgeons? Dineen JJ. **J Oral Surg** 33(10):740–2, Oct 75

Letter: Growing problems for new graduates. Friedman A. **J Oral Surg** 34(6):488, Jun 76

ASOS Committee on Advanced Education workshop for chiefs and faculty of oral sugery training programs. Guralnick WC. **J Oral Surg** 33(10):734–5, Oct 75

Teaching of physical diagnosis to dental students and oral surgery residents. Laskin DM, et al. **J Oral Surg** 33(10):736–9, Oct 75

Editorial: Teaching physical diagnosis to dental students. Laskin DM. **J Oral Surg** 33(10):731, Oct 75

Survey of resident-selection procedures for oral surgery graduate programs. Marciani RD, et al. **J Oral Surg** 34(9):784–8, Sep 76

Editorial: Courses, courses, and yet more courses! Meyer I. **J Oral Surg** 34(9):779, Sep 76

The double-degree dilemma: some empirical observations. Sadowsky D, et al. **J Oral Surg** 34(8):688–91, Aug 76

[Letter: Oral surgery – the pro and con] Krantz Simonsen E. **Ugeskr Laeger** 138(7):455–6, 9 Feb 76 **(Dan)**

[Letter: Oral surgery] Nordenram A. **Ugeskr Laeger** 138(7):454–5, 9 Feb 76 **(Dan)**

[The initiation to periodontal surgery] Klewansky P, et al. **Rev Odontostomatol (Paris)** 4(5):395–9, Sep–Oct 75 **(Fre)**

[Guide to the surgical course on the phantom model] Boretzky H. **Dtsch Zahnaerztl Z** 30(7):475–6, Jul 75 **(Ger)**

[The use of tests in final oral surgery examinations] Perczyńska-Partyka W, et al. **Czas Stomatol** 29(4):321–6, Apr 76 (Eng. Abstr.) **(Pol)**

[Experience in systematization of visual aids for lectures and practical courses in the teaching of oral surgery] Koval' NS. **Stomatologiia (Mosk)** 54(4):79–81, Jul–Aug 75 **(Rus)**

HISTORY

Earliest oral surgeon. Shampo MA, et al. **JAMA** 236(12):1398, 20 Sep 76

[History of dentistry and dental surgery in Slovakia] Velgos S. **Cesk Stomatol** 76(2):147–50, Mar 76 **(Slo)**

INSTRUMENTATION

Improved irrigation syringe for oral surgery. Short SG, et al. **J Oral Surg** 34(3):269, Mar 76

A metallurgic and bacteriological study of disposable injection needles in dental and oral surgery practice. Oikarinen VJ, et al. **Proc Finn Dent Soc** 71(5):147–61, Oct 75

[Modern instruments for dental surgery] Harnisch H. **ZWR** 85(8):375–6, 25 Apr 76 **(Ger)**

MANPOWER

Letter: The overproduction of oral surgeons. Hirschi RG. **J Oral Surg** 34(2):104, Feb 76

The foreign graduate as an answer to the manpower problem. Laskin DM. **J Oral Surg** 34(6):491, Jun 76

METHODS

Technique of surgery of the mandibular joint. Norman JE. **Aust Dent J** 20(3):174–5, Jun 75

[Carcinoma of the mouth floor. Possibilities and limitations of surgical treatment] Schwenzer N. **Acta Stomatol Belg** 72(2):277–89, 1975 **(Fre)**

[Role of endo-oral incision during lateral osteotomies] Senechal G, et al. **Ann Chir Plast** 20(2):233–7, 1975 (Eng. Abstr.) **(Fre)**

[Incisions and sutures in oral surgery. Technic of the angular flap and the immediate suture in current practice] Chateau M. **Rev Odontostomatol (Paris)** 5(2):85–96, Mar–Apr 76 **(Fre)**

[Technical improvement of oro-pharyngeal packing] Recoing JM, et al. **Rev Stomatol Chir Maxillofac** 76(7):575–7, Nov 75 (Eng. Abstr.) **(Fre)**

[New aspects of jaw surgery under anticoagulant treatment with planned substitution therapy] Büning K, et al. **Dtsch Zahnaerztl Z** 31(8):654–6, Aug 76 **(Ger)**

[Technic and results of intra oral prognathism operations] Schlegel D. **Fortschr Kiefer Gesichtschir** 18:135–7, 1974 **(Ger)**

[Dental surgery in a general hospital] Rieger G, et al. **ZWR** 84(21):982–4, 10 Nov 75 **(Ger)**

[A midline vertebral artery aneurysm operated via transoral transclival approach (author's transl)] Hashi K, et al. **Neurol Surg (Tokyo)** 4(2):183–9, Feb 76 (Eng. Abstr.) **(Jpn)**

[A review of surgical procedures in habitual luxation of the temporomandibular joint with particular reference to procedures performed at Düsseldorf and Bonn clinics] Krzycka B. **Czas Stomatol** 29(3):253–8, Mar 76 (Eng. Abstr.) **(Pol)**

SURGERY, PLASTIC

The use of dermal flaps in the treatment of protruding ears. Elsahy NI. **Acta Chir Plast (Praha)** 17(1–2):71–6, 1975

Cryptotia associated with lop ear. A new technique for repair. Elsahy NI. **Acta Chir Plast (Praha)** 17(3):153–8, 1975

Cleft lip nasal deformities: a new technique for repair. Elsahy NI. **Acta Chir Plast (Praha)** 17(4):239–41, 1975

Facial prosthetics—an essential aid to plastic surgery. On the establishment of the centrally organized facial prosthetics service in Czechoslovakia. Fára M. **Acta Chir Plast (Praha)** 17(4):248–52, 1975

New method of ear lobe plasty using graft taken from lobe of healthy ear. Kruchinskyi GV. **Acta Chir Plast (Praha)** 17(4):242–7, 1975

Xeroderma pigmentosum. Kubáček V. **Acta Chir Plast (Praha)** 17(1–2):3–11, 1975

Reconstruction of corners of mouth after resection of lower lip. Manuylenko BA. **Acta Chir Plast (Praha)** 17(1–2):38–41, 1975

Injury of the nasomaxillary complex. Németh T. **Acta Chir Plast (Praha)** 17(3):141–9, 1975

Influence of layer-by-layer plasty of skull and treatment with hydrocortisone on healing of meningo-cerebral injuries. Sergeyev LB. **Acta Chir Plast (Praha)** 17(4):231–8, 1975

Retraction of the delto-pectoral flap. Clinical observations and the design of an experimental model. Stell PM, et al. **Acta Otolaryngol (Stockh)** 81(3–4):161–6, Mar–Apr 76

Letter: Breast reconstruction. Paulshock BZ. **Am Fam Physician** 12(5):30–1, Nov 75

Hypnosis in plastic surgery. Scott DL. **Am J Clin Hypn** 18(2):98–104, Oct 75

Letter: A word of caution. Weiss MH. **Am J Psychiatry** 132(11):1220, Nov 75

Osseous reconstruction of the resected mandible. Boyne PJ, et al. **Am J Surg** 132(1):49–53, Jul 76

A technic of general anesthesia for blepharoplasty and rhytidectomy. Katz H, et al. **Anesth Analg (Cleve)** 55(2):165–7, Mar–Apr 76

New surgical concepts resulting from cranio-orbito-facial surgery. Edgerton MT, et al. **Ann Surg** 182(3):228–39, Sep 75

The treatment of hemangiomas: with special reference to the role of steroid therapy. Edgerton MT. **Ann Surg** 183(5):517–32, May 76

Evaluation of craniofacial surgery in the treatment of facial deformities. Murray JE, et al. **Ann Surg** 182(3):240–65, Sep 75

Use of silicone injections in facial defects. Berger RA. **Arch Otolaryngol** 101(9):525–7, Sep 75

One-stage reconstruction of the cervical esophagus using microvascular anastomoses. Nagahara K, et al. **Arch Otorhinolaryngol (NY)** 214(1):81–9, 31 AUG 76

Custom implants for reconstruction of craniofacial defects. Mohler LR, et al. **Arch Surg** 111(4):452–5, Apr 76

The use of a tongue flap for the repair of defects following radical surgery of the head and neck. Robertson MS. **Aust NZ J Surg** 45(4):395–8, Nov 75

New hope for the child with major craniofacial deformity. Edgerton MT. **Birth Defects** 11(7):297–313, 1975

Difficulties and problems to be solved in the approach to craniofacial malformations. Salyer KE, et al. **Birth Defects** 11(7):315–39, 1975

The public face or psychological and legal complexities in plastic ophthalmic surgery. Lubkin V. **Br J Ophthalmol** 59(10):593–9, Oct 75

Diagnostic coding in a plastic surgery unit. Crockett DJ. **Br J Plast Surg** 28(4):286–8, Oct 75

The pursuit of symmetry in cranio-facial surgery. van der Meulen JC. **Br J Plast Surg** 29(1):85–91, Jan 76

Correction of severe facial deformity. Munro IR. **Can Med Assoc J** 113(6):531–5, 20 Sep 75

Toe digital transfer. Buncke HJ. **Clin Plast Surg** 3(1):49–57, Jan 76

Psychological and psychosexual aspects of augmentation mammaplasty. Grossman AR. **Clin Plast Surg** 3(2):167–70, Apr 76

Free skin flap transfer. Harii K, et al. **Clin Plast Surg** 3(1):111–27, Jan 76

Specific applications of the double lumen prosthesis. Hartley JH. **Clin Plast Surg** 3(2):247–63, Apr 76

Problems in the treatment of burnt hands. McCormack RM. **Clin Plast Surg** 3(1):77–83, Jan 76

Wound healing: the biological basis of hand surgery. Madden JW. **Clin Plast Surg** 3(1):3–11, Jan 76 (57 ref.)

Pros and cons of subpectoral implantation. Papillon J. **Clin Plast Surg** 3(2):321–37, Apr 76

The creation of a twin breast following radical mastectomy. A report on 50 consecutive cases, 1959–1975. Perras C. **Clin Plast Surg** 3(2):265–76, Apr 76

The tuberous breast. Rees TD, et al. **Clin Plast Surg** 3(2):339–47, Apr 76

Breast ptosis. Definition and treatment. Regnault P. **Clin Plast Surg** 3(2):193–203, Apr 76

Restorative prosthetic mammaplasty in mastectomy for carcinoma and benign lesions. Watts GT. **Clin Plast Surg** 3(2):177–91, Apr 76

Treatment of breast hypertrophy. Wise RJ. **Clin Plast Surg** 3(2):289–300, Apr 76

Resurfacing problems in the hand. Woolhouse FM. **Clin Plast Surg** 3(1):13–27, Jan 76

The present and future role of plastic surgery in Africa. A viewpoint. Ejide AO. **East Afr Med J** 52(10):599–602, Oct 75

Planning of surgical treatment. Tubiana R. **Hand** 7(3):223–7, Oct 75

A note on volume determination in connexion with reconstructive surgery. pp. 161–71. Atkinson KB, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Photogrammetry – a planning tool in facial reconstruction. pp. 154–60. Wright AM, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Refining aspects of rhytidoplasty. pp. 27–33. Tabari K.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.

Elastolysis and the macular atrophies. Leis SN. **J Am Osteopath Assoc** 75(11):979–86, Jul 76

The neurovascular island flap for defective sensibility of the thumb. Krag C, et al. **J Bone Joint Surg [Br]** 57(4):495–9, Nov 75

The current status of silicone fluid in plastic and reconstructive surgery. Rees TD. **J Dermatol Surg** 2(1):34–8, Mar 76

Prefabricated silastic subdermal implants for facial reconstruction. Habal MB. **J Fla Med Assoc** 62(10):36–8, Oct 75

Contribution to the reconstruction of the lower lip after tumour resection combined with neck dissection. Lentrodt J. **J Maxillofac Surg** 3(3):139–45, Sep 75

Problems in the reconstruction of the inner canthus and the lacrimal duct. Walter C. **J Maxillofac Surg** 4(1):34–9, Mar 76

Cheiloplasty for redundant lips. Pierce HE. **J Natl Med Assoc** 68(3):211–2, May 76

Mandibular replacements—a review of embedded implants. Williams EO, et al. **J Prosthet Dent** 35(2):207–10, Feb 76

Considerations in cosmetic plastic surgery. Goldberg HM, et al. **J SC Med Assoc** 72(1):7–9, Jan 76

Immediate postmastectomy reconstruction. Rosato RE, et al. **J Surg Oncol** 8(4):277–80, 1976

Present status of plastic surgery. Stephenson KL. **JAMA** 234(9):929, 1 Dec 75

Contour restoration following simple or modified radical mastectomy. Woods JE, et al. **JAMA** 235(15):1588–9, 12 Apr 76

'Practical suggestions on facial plastic surgery—how I do it.' Webster RC, et al. **Laryngoscope** 86(8):1280–4, Aug 76

The plastic surgeon and legal matters. De Mere M. **Leg Med Annu** :293–302, 1975

Editorial: Military plastic surgery and esthetic surgery. Parsons RW. **Milit Med** 141(2):117, Feb 76

Battlefield cleft lip–nose deformity: case report with thirty-year follow-up. Robson MC, et al. **Milit Med** 140(9):637–40, Sep 75

Scope of ophthalmic plastic and reconstructive surgery. Mustardé JC. **Mod Probl Ophthalmol** 14:589–95, 1975

Secondary surgical treatment of the masculinized external genitalia of patients with virilizing adrenal hyperplasia. Jones HW Jr, et al. **Obstet Gynecol** 48(1):73–5, Jul 76

Hypertrophy of the labia minora. Radman HM. **Obstet Gynecol** 48(1 Suppl):78S–79S, Jul 76

Adjunctive measures in rhinoplasty. Simons RL. **Otolaryngol Clin North Am** 8(3):717–42, Oct 75

Results with cryotherapy in skin tumours. Fontana AM, et al. **Panminerva Med** 17(11–12):384–9, Nov–Dec 75

Regional societies of plastic and reconstructive surgery. **Plast Reconstr Surg** 58(1):124–6, Jul 76

National Societies of Plastic Surgery. **Plast Reconstr Surg** 58(4):529–32, Oct 76

The value of routine breast biopsy at the time of augmentation mammaplasty. Cameron RR, et al. **Plast Reconstr Surg** 58(3):298–301, Sep 76

Breast sensation before and after plastic surgery. Courtiss EH, et al. **Plast Reconstr Surg** 58(1):1–13, Jul 76

Pitfalls of comparative photography in plastic and reconstructive surgery. Dickason WL, et al. **Plast Reconstr Surg** 58(2):166–75, Aug 76

Indications for and pitfalls of soft tissue augmentation with liquid silicone. Edgerton MT, et al. **Plast Reconstr Surg** 58(2):157–65, Aug 76

Correction of asymmetries of the breasts. Elsahy NI. **Plast Reconstr Surg** 57(6):700–3, Jun 76

Complications of free flap transfers to the mouth region. Finseth F, et al. **Plast Reconstr Surg** 56(6):652–3, Dec 75

Face-lift operation: the patient's secret motivations and reactions to 'informed consent'. Goin MK, et al. **Plast Reconstr Surg** 58(3):273–9, Sep 76

Frontonasal tumors: their diagnosis and management. Griffith BH. **Plast Reconstr Surg** 57(6):692–9, Jun 76

Reconstruction of the oral cavity with a free flap. Harashina T, et al. **Plast Reconstr Surg** 58(4):412–4, Oct 76

Blepharocanthoplasty with eyebrow lift. Hinderer UT. **Plast Reconstr Surg** 56(4):402–9, Oct 75

Relative hypoxemia during rhytidoplasty. Huang TT, et al. **Plast Reconstr Surg** 58(1):32–6, Jul 76

Ocular injuries in orbital fractures. A review of 119 cases. Jabaley ME, et al. **Plast Reconstr Surg** 56(4):410–8, Oct 75

Use of a folded forehead flap for reconstruction after a large excision of the full thickness of the cheek. Kavarana NM. **Plast Reconstr Surg** 56(6):629–32, Dec 75

Observations on the myth of 'informed consent'. Leeb D, et al. **Plast Reconstr Surg** 58(3):280–2, Sep 76

Letter: Another view of the 'regional surgeon' concept. McCraw JB. **Plast Reconstr Surg** 57(2):227–8, Feb 76

Editorial: On the necessity of precision photographic documentation in plastic surgery. McDowell F. **Plast Reconstr Surg** 58(2):214–5, Aug 76

Blood gas and hemodynamic effects of sedatives and analgesics when used as a supplement to local anesthesia in plastic surgery. McNabb TG, et al. **Plast Reconstr Surg** 58(1):37–43, Jul 76

Giant breast implant for unilateral aplasia. Case report. Marchac D, et al. **Plast Reconstr Surg** 57(6):749–50, Jun 76

Skin pigmentation. Current concepts and relevance to plastic surgery. Morgan JE, et al. **Plast Reconstr Surg** 56(6):617–28, Dec 75 (118 ref.)

Some advice, sage and otherwise. Musgrave RH. **Plast Reconstr Surg** 58(3):269–72, Sep 76

Reconstruction of the oral cavity with a free flap. Panje WR, et al. **Plast Reconstr Surg** 58(4):415–8, Oct 76

The mucoperiosteal palate flap for closure of oral cavity defects. Robson MC, et al. **Plast Reconstr Surg** 58(4):450–3, Oct 76

Von Willebrand's disease—a potential bleeding problem in plastic surgery. Ship AG. **Plast Reconstr Surg** 58(3):359–63, Sep 76

Editorial: On breast reconstruction after mastectomy for cancer. Snyderman R. **Plast Reconstr Surg** 57(2):224–6, Feb 76

Editorial: What is maxillofacial surgery and who are maxillofacial surgeons? Spira M. **Plast Reconstr Surg** 56(4):438–9, Oct 75

Bilateral accidental rupture of the fibrous capsules surrounding mammary prosthesis. Case report. Springer HA. **Plast Reconstr Surg** 58(2):230–1, Aug 76

Use of nasopharyngeal tubes as aids to lateral port construction and maintenance of the airway in pharyngeal flap surgery. Stallings JO, et al. **Plast Reconstr Surg** 58(3):379–80, Sep 76

Complication after alloplastic thigh augmentation. Codega G, et al. **Polim Med** 4(2):153–6, 1974

The use of sodium nitroprusside as a hypotensive agent in plastic surgery. Hester JB. **Postgrad Med J** 50(587):582–3, Sep 74

The plastic surgical treatment of obesity. Sanders R. **Proc R Soc Med** 68(10):664–6, Oct 75

Le Fort III osteotomy to correct dish–face deformity resulting from facial trauma. Lewis JE, et al. **S Afr Med J** 49(46):1915–20, 1 Nov 75

Reconstruction of the defective mandible. Brånemark PI, et al. **Scand J Plast Reconstr Surg** 9(2):116–28, 1975

Surgical treatment of eyelid cancer with special reference to tarsoconjunctival flaps. A follow–up on 193 patients. Holmström H, et al. **Scand J Plast Reconstr Surg** 9(2):107–15, 1975

Microvascular surgery. Techniques and applications in plastic surgery. Ostrup LT, et al. **Scand J Plast Reconstr Surg** 10(1):18–28, 1976 (68 ref.)

Skin reduction plasties following intestinal shunt operations for treatment of obesity. Palmer B, et al. **Scand J Plast Reconstr Surg** 9(1):47–52, 1975

Pedicle thoracoplasty and free skin transplantations in the treatment of open postpneumonectomy cavity after empyema. Eerola S. **Scand J Thorac Cardiovasc Surg** 10(2):175–8, 1976

A handy site for dermal grafts for glabella frown lines. Robertson JG. **South Med J** 68(10):1286, Oct 75

Reconstructive surgery for major craniofacial deformities. Murray JE, et al. **Surg Clin North Am** 56(2):495–512, Apr 76

Resection and immediate reconstruction for patients with 'inoperable' recurrent head and neck cancer. Robson MC. **Surg Clin North Am** 56(1):111–23, FEB 76

Reconstruction of the male external genitalia. Boxer RJ. **Surg Gynecol Obstet** 141(6):939–44, Dec 75

Plastic surgery and burns. Madden JW. **Surg Gynecol Obstet** 142(2):213–5, Feb 76 (0 ref.)

Reconstruction of defects of the mandible. Margolis IB, et al. **Surgery** 79(6):638–43, Jun 76

Penile reconstruction in irradiated patient. Boxer RJ, et al. **Urology** 7(4):403–8, Apr 76

Plastic surgical rehabilitation of the prison patient. Fisher JC, et al. **Va Med Mon** 102(10):845–8, Oct 75

Tattoo removal by split thickness tangential excision. Wheeler ES, et al. **West J Med** 124(4):272–5, Apr 76

[Surgical correction of hypospadias using the preputial skin for urethroplasty] Gotovac J, et al. **Lijec Vjesn** 97(12):693–5, Dec 75 (Eng. Abstr.) **(Cro)**

[Lactation after the implantation of a gel–prothesis into hypoplastic breasts (author's transl)] Kubáček V, et al. **Cesk Gynekol** 40(8):606–8, Sep 75 **(Cze)**

[Reverdin's plastic in otorhinolaryngology] Nóvotný. **Cesk Otolaryngol** 25(3):164–9, Jun 76 (Eng. Abstr.) **(Cze)**

[Treatment of various types of gunshot wounds in the face] Hanek P, et al. **Cesk Stomatol** 75(5):363–70, Sep 75 (Eng. Abstr.) **(Cze)**

[Augmentation of the breasts using hydrophilic gel. Results after 5 years] Stockarová D, et al. **Rozhl Chir** 55(2):110–4, Feb 76 (Eng. Abstr.) **(Cze)**

[Indications and possibilities for breast reconstruction after surgery for carcinoma of the breast] Bloem JJ, et al. **Ned Tijdschr Geneeskd** 120(15):649–53, 10 Apr 76 (Eng. Abstr.) **(Dut)**

[Anesthesiology consultation in plastic and reconstructive surgery] Mesnard J. **Agressologie** 17(3):147–53, 1976 (Eng. Abstr.) **(Fre)**

[Bucloxic acid in plastic surgery] Deidier CM, et al. **Ann Chir Plast** 20(3–4):343–5, 1975 **(Fre)**

[Pterygo–maxillary disjunction in low facial osteotomy of the upper facial skeleton. Anatomical study, its dangers, method, consequences] Gola R. **Ann Chir Plast** 19(4):305–10, 1974 (Eng. Abstr.) **(Fre)**

[Esthetic surgery and psychology, the service rendered to the patient] Grignon JL. **Ann Chir Plast** 20(2):95–9, 1975 (Eng. Abstr.) **(Fre)**

[Surgical and hormonal management of a giant mammary at puberty] Lejour M, et al. **Ann Chir Plast** 19(4):347–52, 1974 (Eng. Abstr.) **(Fre)**

[Orbitectomy for meningioma infiltrating the orbit, the maxilla and the ethmoid sinus] Matton G, et al. **Ann Chir Plast** 19(4):373–8, 1974 (Eng. Abstr.) **(Fre)**

[Psychological aspects of plastic surgery] Moor L. **Ann Chir Plast** 21(1):67–74, 1976 (Eng. Abstr.) **(Fre)**

[Controlled hypotension, an anesthetic technic unjustly unknown in plastic surgery] Simkoff AA, et al. **Ann Chir Plast** 19(4):353–60, 1974 (Eng. Abstr.) **(Fre)**

[Anatomic and functional relations between the tendons of the long palmar muscle and the long flexor muscle of the thumb at their crossing in the carpus] Verdan C, et al. **Ann Chir Plast** 20(2):191–6, 1975 (Eng. Abstr.) **(Fre)**

[Modulated sequential anesthesia in plastic surgery] Vuarnesson H, et al. **Ann Chir Plast** 21(1):63–5, 1976 (Eng. Abstr.) **(Fre)**

[Cosmetic surgery and psychopathology] Maitre A, et al. **Ann Med Psychol (Paris)** 2(5):908–15, Dec 75 **(Fre)**

[Surgical correction of facial asymmetry] Montandon D. **J Genet Hum** 23(2):123–34, Jun 75 **(Fre)**

[Abdominoplasties and round abdomens] Pérel L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):935–6, Sep 74 **(Fre)**

[Telethermography in plastic surgery] Donati L. **J Radiol Electrol Med Nucl** 56 suppl 1:55, 1975 **(Fre)**

[How to improve postoperative complications in stomatological, maxillofacial and plastic surgery: evaluation of tiaprofenic acid] Pons J, et al. **Rev Odontostomatol (Paris)** 4(6):535–7, Nov–Dec 75 **(Fre)**

[Esthetic surgery of the face by intervention on the jaw bone] Köle H. **Acta Stomatol Belg** 72(4):687–97, 1975 **(Ger)**

[Proceedings: Psychological aspects in augmentation and reduction plasties] Eicher W, et al. **Arch Gynaekol** 219(1–4):157, 18 Nov 75 **(Ger)**

[Experiences with plastic surgery of the female breast (augmentation, reduction, lifting)] Hüter J, et al. **Arch Gynaekol** 219(1–4):155–7, 18 Nov 75 **(Ger)**

[Skin plastic surgery and skin transplantation] Bohmert H, et al. **Chirurg** 46(7):293–8, Jul 75 **(Ger)**

[Esthetic aspects in the planning of chin operations] Schüle H. **Fortschr Kiefer Gesichtschir** 18:114–7, 1974 **(Ger)**

[Problems of plastic and reconstructive surgery in the face] Buschmann A. **Fortschr Med** 93(34):1691–6, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[Covering of defects in the lateral head and neck regions with shoulder flaps (author's transl)] Schaupp H, et al. **HNO** 23(5):160–1, May 75 (Eng. Abstr.) **(Ger)**

[Psychiatry of aging. An outline for plastic surgery] pp. 3–12. Bochnik HJ.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Clinical experience with dynamic reconstruction after facial paresis] pp. 151–6. Freilinger G, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Facial paresis – the dynamic suspension of eyelid and the corner of the mouth to M. temporalis] pp. 143–50. Lemperle G, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Repair of the facial nerve] pp. 111–28. Millesi H, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Plastic surgery for facial paralysis] pp. 87–105. Mühlbauer WD, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[X–ray injury of the skin and its treatment] pp. 341–51. Olivari N, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[10 years experience with alloplastics in facial paresis] pp. 107–9. Wilflingseder P.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[On the closure of the defect after tumor removal in the medial canthus (author's transl)] Bencsik R, et al. **Klin Monatsbl Augenheilkd** 167(5):685–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Atypical oculoplastic surgery in children (author's transl)] Neubauer H. **Klin Monatsbl Augenheilkd** 167(2):199–206, Aug 75 (Eng. Abstr.) **(Ger)**

[Round–table discussion on plastic and reconstructive surgery improving function. Speech perforamnce, grip performance of hand] **Langenbecks Arch Chir** 339:401–2, Nov 75 (Eng. Abstr.) **(Ger)**

[Free skin grafts in plastic surgery. Transplantation techniques and indications (author's transl)] Diem E. **Wien Klin Wochenschr** 88(12):379–84, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Accurate reconstruction of traumatic bony contour defects of periobital area with prefabricated silastic] Laub DR, et al. **Zentralbl Chir** 101(12):738–43, 1976 (Eng. Abstr.) **(Ger)**

[Cholesteric liquid crystal plaque thermography. New diagnostic aid in plastic surgery (preliminary note)] Giachero E. **Minerva Chir** 30(13–14):797–805, 15–31 Jul 75 **(Ita)**

[Reconstruction of the upper lip defect due to dog bite avulsion by the Abbe–Estlander method —report of a case— (author's transl)] Asada K, et al. **J Jpn Stomatol Soc** 42(2):202–6, Jun 75 **(Jpn)**

[The use of reinforced zcrylic mass in cranioplasty] Kalinowski R. **Polim Med** 4(1):13–58, 1974 (Eng. Abstr.) **(Pol)**

[Use of cyanoacrylic adhesive in plastic surgery] Uszyński H, et al. **Polim Med** 4(4):359–64, 1974 (Eng. Abstr.) **(Pol)**

[Modification of Kunt's operation in non–cicatricial ectropion] Belousova EF. **Oftalmol Zh** 30(6):475–6, 1975 **(Rus)**

[Objective criteria for the selection of dermatoplastic operations in treating trophic ulcers] Vediaev IP. **Ortop Travmatol Protez** (7):36–9, Jul 75 (Eng. Abstr.) **(Rus)**

[Evaluation of biochemical changes in blood of patients with severe burns during reconstructive operation on the skin] Korolev LF, et al. **Sov Med** (8):149–50, Aug 75 **(Rus)**

[Plastic correction of penetrating defects of the perioral region with flat epithelized skin flap] Chudakov OP. **Vestn Khir** 116(4):107–11, Apr 76 (Eng. Abstr.) **(Rus)**

[Free dermoplasty in scalp wounds] Kirilenko AV. **Vestn Khir** 116(4):98–102, Apr 76 (Eng. Abstr.) **(Rus)**

[Correction of mandibular defects with preserved homologous bone sterilized in ethylene oxide] Sysoliatin PG, et al. **Vestn Khir** 116(4):102–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Primary plastic surgery of skin defects with delto–pectoral flap after resection of disseminated neck tumors] Vtiurin BM, et al. **Vestn Khir** 116(3):78–82, Mar 76 (Eng. Abstr.) **(Rus)**

[Primary dermoplasty with cervical pedicle flap after resection of locally spread mouth tumors] Vtiurin BM, et al. **Vestn Khir** 116(4):111–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Plastic surgery of the fronto–orbital area after removal of large osteomas of the frontal sinuses] Melan'in VD. **Vestn Otorinolaringol** (3):50–5, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Method of fixing of soft tissues with KL–3 glue during plastic surgery] Pkhakadze GA, et al. **Zh Ushn Nos Gorl Bolezn** (3):102–3, May–Jun 75 **(Rus)**

[Surgical corrections and plastic problems in dysrhaphic abnormalities of the skull] Mirčevski M, et al. **God Zb Med Fak Skopje** 21:253–61, 1975 (Eng. Abstr.) **(Ser)**

[Free skin auto–transplantation in ophthalmo–plastic surgery] Stavrić B, et al. **Srp Arh Celok Lek** 103(9):723–9, Sep 75 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Temporary blindness after cosmetic blepharoplasty. Putterman AM. **Am J Ophthalmol** 80(6):1081–3, Dec 75

Complications of cosmetic blepharoplasty. pp. 107–10. Tenzel RR.
In: Guibor P, Smith B, ed. Contemporary oculoplastic surgery. New York, Stratton, 1974. WW 168 A5104c 1974.

Catastrophic results after silicone injections. pp. 331–4. Jenny H.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.

Editorial: The hazards of silicone injections. Vinnik CA. **JAMA** 236(8):959, 23 Aug 76

Closed compression technique for rupturing a contracted capsule around a breast implant. Baker JL Jr, et al. **Plast Reconstr Surg** 58(2):137–41, Aug 76

Keratoconjunctivitis sicca symptoms appearing after blepharoplasty. The 'dry eye' syndrome. Graham WP 3d, et al. **Plast Reconstr Surg** 57(1):57–61, Jan 76

On the occurrence of blindness in association with blepharoplasty. Hepler RS, et al. **Plast Reconstr Surg** 57(2):233–5, Feb 76

The 'dry eye' complication after a blepharoplasty. Rees TD. **Plast Reconstr Surg** 56(4):375–80, Oct 75

The repair of a submental depression occurring after rhytidectomy. Wilkinson TS. **Plast Reconstr Surg** 57(1):33–5, Jan 76

[The nerves of the ear and loss of sensitivity of the ear lobe following incisions of the parotidomastoid area] Vilain R, et al. **Ann Chir Plast** 21(1):75–82, 1976 (Eng. Abstr.) **(Fre)**

[Esthetic (plastic) and surgical complications of featural surgery] pp. 75–80. de Cholnoky T.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Ectropion after lower lid strain due to scar adherence] pp. 323–4. Härtel P.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Hair loss: a rare complication of facelift] pp. 321–2. Kratochwil Z.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Granuloma after subcutaneous injection of facial wrinkles with Teflon paste] pp. 335–9. Lemperle G, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Errors and complications of blepharoplasty] pp. 81–3. Müller FE.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Error in facial stretching] pp. 69–73. Schmidt–Tintemann U.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. **(Ger)**

[Errors and dangers of mammaplasty] Brückner H. **Zentralbl Chir** 100(20):1266–9, 1975 **(Ger)**

EDUCATION

Teaching basic flap designs with sponge models. Labandter H. **Br J Plast Surg** 29(1):14–5, Jan 76

Editorial: Continuing education and plastic surgery. Broadbent TR. **Plast Reconstr Surg** 57(1):88–9, Jan 76

Letter: The Barsky unit: end of chapter, end of story? Mills RL. **Plast Reconstr Surg** 57(5):654–6, May 76

HISTORY

The history of plastic surgery in wartime. Stark RB. **Clin Plast Surg** 2(4):509–16, Oct 75

History of plastic and reconstructive surgery. Wood–Smith D. **J Dermatol Surg** 1(1):45–6, Apr 75

The classic: Observations on the cleft lip. Georges de la Faye. Memoires de l'Academie Royale de Chirurgie, Vol. 1, No. 605, 1743. **Plast Reconstr Surg** 57(2):216–23, Feb 76

History of the American Society for Aesthetic Plastic Surgery. Crosby JF Jr. **Plast Reconstr Surg** 56(5):507–12, Nov 75

The classic reprint: The cure of cleft lips in 1561. France P. **Plast Reconstr Surg** 57(1):84–7, Jan 76

Lettre sur l'opération du bec–de–lievre (Letter on operation for harelip) by G. Mirault. (Journal de Chirurgie, par M. Malgaigne, September [2: 257–265] 1844). Ivv RH. **Plast Reconstr Surg** 57(4):502–7, Apr 76

The classic reprint: A modification of the harelip operation and operation for harelip with a zigzag suture by Werner H. Hagedorn (Centralbl. f. Chirurgie)1884 and 1892. McDowell F. **Plast Reconstr Surg** 58(1):89–95, Jul 76

How a patient experienced a cleft lip operation in 1763. Rintala AE. **Plast Reconstr Surg** 57(2):158–62, Feb 76

Plastic surgery on the Wyoming frontier: Dr. Thomas G. Maghee. Crosson D. **Rocky Mt Med J** 73(4):194–8, Jul–Aug 76

Letter: Circumcision and uncircumcision. Levin S. **S Afr Med J** 50(24):913, 5 Jun 76 (Eng. Abstr.)

Circumcision and 'uncircumcision'. Schneider T. **S Afr Med J** 50(14):556–8, 27 Mar 76

[Contribution of V.P. Filatov to the development of surgery (on the centenary of his birth)] Mirskiĭ MB. **Khirurgiia (Mosk)** (7):140–1, Jun 75 **(Rus)**

INSTRUMENTATION

An instrument to simplify the accurate excision of excess skin in facelifts, reduction mammaplasties and similar procedures. Talaat SM. **Br J Plast Surg** 29(3):253–6, Jul 76

A new instrument for mammary surgery. Zenteno AS. **Br J Plast Surg** 28(3):164–5, Jul 75

A new fenestrated instrument for blepharoplasty for upper eyelid. Seltzer AP. **J Natl Med Assoc** 68(3):217–8, May 76

A dissector for the transaxillary approach in augmentation mammaplasty. Agris J, et al. **Plast Reconstr Surg** 57(1):10–3, Jan 76

A plastic surgery operatory unit. Dingman DL, et al. **Plast Reconstr Surg** 56(6):673–4, Dec 75

A ribbon device to help the surgeon's assistant in mammaplasty. Donnabella P. **Plast Reconstr Surg** 58(1):105, Jul 76

A retractor for use in breast augmentations. Fischl RA. **Plast Reconstr Surg** 57(4):526, Apr 76

Letter: Microirrigator. Freshwater MF. **Plast Reconstr Surg** 57(4):508, Apr 76

Problems and possibilities in ptosis surgery. Mustardé JC. **Plast Reconstr Surg** 56(4):381–8, Oct 75

Letter: On a retractor for use in breast augmentation. Pollock WJ. **Plast Reconstr Surg** 58(3):365–6, Sep 76

Inflatable splint to immobilize extremities after skin grafting. Schwager RG, et al. **Plast Reconstr Surg** 57(4):523, Apr 76

[A new small razor for the excision of minor cutaneous lesions] Bergerot J. **Ann Chir Plast** 19(4):379–80, 1974 (Eng. Abstr.) **(Fre)**

METHODS

Correction of the overhanging (or thickened) alar rim in unilatelar clefts by a marginal excision with a triangular flap. Hrivnáková J, et al. **Acta Chir Plast (Praha)** 17(4):177–9, 1975

Plastic treatment of scar contractures of neck with Filatov pedicle flap in children. Shchipacheva VI. **Acta Chir Plast (Praha)** 17(1–2):49–55, 1975

Different methods of reconstruction after vulvectomies for cancer of the vulva. Körlof B, et al. **Acta Obstet Gynecol Scand** 54(5):411–5, 1975

Vaginal agenesis. Capraro VJ, et al. **Am J Obstet Gynecol** 124(1):98–107, 1 Jan 76

Surgical correction of superior sulcus deformity occurring after enucleation. Spivey BE, et al. **Am J Ophthalmol** 82(3):365–70, Sep 76

Osteotomies and bone grafts in treatment of developmental facial deformities. Furnas DW, et al. **Am J Surg** 132(2):258–62, Aug 76

Functional anatomy of the eyelids as related to reconstruction. Bostwick J, et al. **Am Surg** 42(9):696–700, Sep 76

Vascular basis for a compound flap of the finger incorporating a bone graft. Madden JJ Jr, et al. **Am Surg** 42(9):701–5, Sep 76

Modification of the Mustardé and Hughes methods of reconstructing the lower lid. Cies WA, et al. **Ann Ophthalmol** 7(11):1497–1502, Nov 75

Further experience with the pinch technique for repair of eyelid deformities. Parkes M, et al. **Arch Ophthalmol** 94(9):1534–6, Sep 76

The tuck–up operation, A new technique of secondary rhytidectomy. Anderson JR. **Arch Otolaryngol** 101(12):739–43, Dec 75

Triangular flap for atypical cleft lip. A modification in design. Isshiki N. **Arch Otolaryngol** 102(8):449–52, Aug 76

Nasopharyngeal pushback in treatment of velopharyngeal insufficiency. Smith HW, et al. **Arch Otolaryngol** 102(2):83–6, Feb 76

Subcutaneous mastectomy with immediate reconstruction of the breast. Poate WJ. **Aust NZ J Surg** 45(4):383–9, Nov 75

Radical reconstruction of complex cranioorbitofacial abnormalities. Jane JA. **Birth Defects** 11(7):341–7, 1975

An areolar approach to reduction mammaplasty. Andrews JM, et al. **Br J Plast Surg** 28(3):166–70, Jul 75

Semilunar abdominal bipedicled flap for cover of dorsal defects of the hand. Antia NH, et al. **Br J Plast Surg** 29(2):129–31, Apr 76

Reduction of very large breasts: the inferior flap technique of Robertson. Arons MS. **Br J Plast Surg** 29(2):137–41, Apr 76

Surgical treatment of gynaecomastia. Bretteville–Jensen G. **Br J Plast Surg** 28(3):177–80, Jul 75

Reduction mammaplasty with a vertical bipedicle and transverse scar: a follow–up. Bretteville–Jensen G. **Br J Plast Surg** 29(2):142–9, Apr 76

The indirect deltopectoral flap. Brown GE. **Br J Plast Surg** 29(2):122–5, Apr 76

The cleft ear lobe: a method of repair with preservation of the earring canal. Buchan NG. **Br J Plast Surg** 28(4):296–8, Oct 75

An attempt to reduce the visible scar in primary cleft lip repair. Crawford BS. **Br J Plast Surg** 29(2):113–5, Apr 76

Proplast, a porous implant for contour restoration. Freeman BS. **Br J Plast Surg** 29(2):158–64, Apr 76

Straight–line repair followed by rotation advancement repair for wide unilateral lip clefts. Furnas DW. **Br J Plast Surg** 28(4):259–61, Oct 75

Unlined repairs of defects following oral cancer ablation. Gabriel A. **Br J Plast Surg** 29(2):165–9, Apr 76

Nasolabial subcutaneous pedicle flaps. Herbert DC, et al. **Br J Plast Surg** 28(2):90–6, Apr 75

Nasolabial subcutaneous pedicle flaps. Herbert DC, et al. **Br J Plast Surg** 28(2):85–9, Apr 75

The McKissock approach to subcutaneous mastectomy and immediate prostesis implantation. Hoopes JE, et al. **Br J Plast Surg** 28(3):171–2, Jul 75

Secondary repair of bilateral cleft lip deformities. A two–stage approach. Lehman JA Jr. **Br J Plast Surg** 29(2):116–21, Apr 76

Primary repair of the bilateral cleft lip nose. McComb H. **Br J Plast Surg** 28(4):262–7, Oct 75

Tangential excision and grafting for burns of the hand. Mahler D, et al. **Br J Plast Surg** 28(3):189–92, Jul 75

Mammary hyperinvolution and ptosis. North JF. **Br J Plast Surg** 28(4):310–6, Oct 75

The latissimus flap. Olivari N. **Br J Plast Surg** 29(2):126–8, Apr 76

Reconstruction of the short columella in bilateral cleft lip patients using the nasal septum. Orticochea M. **Br J Plast Surg** 28(2):97–9, Apr 75

A method of prominent ear correction. Schetrumpf JR. **Br J Plast Surg** 28(4):292–5, Oct 75

Reconstruction of the nipple and areola. Schwartz AW. **Br J Plast Surg** 29(3):230–3, Jul 76

Dorsal thumb flap for release of adduction contracture of the first web space. Strauch B. **Bull Hosp Joint Dis** 36(1):34–9, Apr 75

Correction of ocular hypertelorism. Epstein F, et al. **Childs Brain** 1(4):228–35, 1975

The augmentation–reduction mammaplasty. Baroudi R, et al. **Clin Plast Surg** 3(2):301–8, Apr 76

Experiences in reconstruction of the breast after mastectomy. Freeman BS. **Clin Plast Surg** 3(2):277–88, Apr 76

Reconstruction of the breast after mastectomy for cancer. Gibson EW. **Clin Plast Surg** 3(2):371–8, Apr 76

Dermal mastopexy. Goulian D. **Clin Plast Surg** 3(2):171–5, Apr 76

The dermal brassiere mammaplasty. Hinderer UT. **Clin Plast Surg** 3(2):349–70, Apr 76

The reduction mammaplasty—a combined technique. Lewis JR. **Clin Plast Surg** 3(2):217–26, Apr 76

Reduction mammaplasty by the vertical bipedicle flap technique. Rationale and results. McKissock PK. **Clin Plast Surg** 3(2):309–20, Apr 76

Reconstruction of the lower face and lips. Parsons RW. **Clin Plast Surg** 2(4):551–9, Oct 75

Mammary augmentation—surgical techniques, evaluation of results, and complications. Planas J. **Clin Plast Surg** 3(2):233–46, Apr 76

Reconstruction of cranial defects. Shaw RC, et al. **Clin Plast Surg** 2(4):539–49, Oct 75 (48 ref.)

The double–breasted breast. Viñas JC. **Clin Plast Surg** 3(2):227–32, Apr 76

One–stage surgical and dental–orthopedic correction of bimaxillary and craniofacial dysostoses. Hogeman KE, et al. **Fortschr Kiefer Gesichtschir** 18:39–46, 1974

Reconstruction of the mutilated hand. Miura T, et al. **Hand** 8(1):78–85, Feb 76

The hairbearing preauricular rotation flap and additional corrections in the treatment of the aging face. pp. 49–66. Hinderer UT.
In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.

Use of skin flaps in dermatologic surgery of the face. Konz B. **J Dermatol Surg** 1(3):25–30, Oct 75

The practical use of Z–plasty. Mandy SH. **J Dermatol Surg** 1(4):57–60, Dec 75

Surgical repair of operative defects after skin cancer excision. Cronin TA. **J Fla Med Assoc** 63(1):71–3, Jan 76

The surgical closure of exposed skull. Widmaier W. **J Maxillofac Surg** 3(3):149–55, Sep 75

Repair of denuded cranial bone by bone splitting and free–skin grafting. Jensen F, et al. **J Neurosurg** 44(6):728–31, Jun 76

Alloplastic augmentation of middle–third facial deformities. Alexander JM. **J Oral Surg** 34(2):165–72, Feb 76

Facial rehabilitation: surgical reconstruction following temporal bone resection. Berkowitz WP, et al. **Laryngoscope** 86(4):509–15, Apr 76

Surgical treatment of the ptotic eyebrow. Parkes ML, et al. **Laryngoscope** 86(9):1435–6, Sep 76

Prevention of meatal stenosis in conchal setback otoplasty. Small A. **Laryngoscope** 85(10):1782–4, Oct 75

Microsurgical composite tissue transplantation: a new horizon in plastic and reconstructive surgery. Serafin D, et al. **NC Med J** 37(5):246–8, May 76

Soft tissue trauma. Dickinson JT, et al. **Otolaryngol Clin North Am** 9(2):331–60, Jun 76

One–stage reconstruction of the breast, using the transposed greater omentum. Case report. Arnold PG, et al. **Plast Reconstr Surg** 57(4):520–2, Apr 76

Simultaneous reduction of areola and an augmentation mammaplasty, through a periareolar incision. Bartels RJ, et al. **Plast Reconstr Surg** 56(5):588–9, Nov 75

A new mastopexy operation for mild or moderate breast ptosis. Bartels RJ, et al. **Plast Reconstr Surg** 57(6):687–91, Jun 76

Ten free groin flaps. Baudet J, et al. **Plast Reconstr Surg** 57(5):577–95, May 76

Hypospadias—reappraisal of a simple technique. Bederman MJ. **Plast Reconstr Surg** 58(1):55–9, Jul 76

The 'over and out' flap for restoration of the corner of the mouth. Converse JM. **Plast Reconstr Surg** 56(5):575–8, Nov 75

The bridge flap for reconstruction of a full–thickness defect of the upper lip. Converse JM. **Plast Reconstr Surg** 57(4):442–4, Apr 76

Resurfacing large cheek defects with rotation flaps from the neck. Crow ML, et al. **Plast Reconstr Surg** 58(2):196–200, Aug 76

Mammaplasty with curved incisions. de Castro CC. **Plast Reconstr Surg** 57(5):596–600, May 76

Use of nasolabial skin flap to cover intraoral defects. Elliott RA Jr. **Plast Reconstr Surg** 58(2):201–5, Aug 76

An alternative operation for inverted nipple. Elsahy NI. **Plast Reconstr Surg** 57(4):438–91, Apr 76

Surgical correction of the absent nasal alae of the Johanson–Blizzard syndrome. Fox JW, et al. **Plast Reconstr Surg** 57(4):484–6, Apr 76

Frontonasal dysplasia with alar clefts in two sisters. Genetic considerations and surgical correction. Fox JW, et al.

Plast Reconstr Surg 57(5):553–61, May 76

Primary breast reconstruction after a standard radical mastectomy by a free flap transfer. Case report. Fujino T, et al. **Plast Reconstr Surg** 58(3):371–4, Sep 76

Areola and nipple reconstruction. Guida CA, et al. **Plast Reconstr Surg** 56(4):454–5, Oct 75

Breast reconstruction after radical mastectomy. Guthrie RH Jr. **Plast Reconstr Surg** 57(1):14–22, Jan 76

The increasing complexities in the world of plastic surgery. Harding RL. **Plast Reconstr Surg** 56(6):609–16, Dec 75

Reconstruction of the breast after mastectomy for cancer. Hartwell SW Jr, et al. **Plast Reconstr Surg** 57(2):152–7, Feb 76

Reconstruction of mammary hypoplasma associated with chest wall deformities. Hawtof DB, et al. **Plast Reconstr Surg** 57(2):172–5, Feb 76

Letter: On nasal tip projection. Lamont E. **Plast Reconstr Surg** 57(2):228–9, Feb 76

Vaginal reconstruction with gracilis myocutaneous flaps. McCraw JB, et al. **Plast Reconstr Surg** 58(2):176–83, Aug 76

Breast reconstruction after a radical mastectomy. Millard DR Jr. **Plast Reconstr Surg** 58(3):283–91, Sep 76

A reappraisal of shaving and skin grafting for hypertrophic burn scars. Moustafa MF, et al. **Plast Reconstr Surg** 57(4):463–7, Apr 76

Laryngeal reconstruction by free flap transfer. Nagahara K, et al. **Plast Reconstr Surg** 57(5):604–10, May 76

Philtrum formation in the secondary cleft lip repair. Onizuka T. **Plast Reconstr Surg** 56(5):522–6, Nov 75

'De-epithelization' of the dermal pedicle in a reduction mammaplasty. Parsons RW, et al. **Plast Reconstr Surg** 57(5):619–20, May 76

The use of soluble steroids within inflatable breast prostheses. Perrin ER. **Plast Reconstr Surg** 57(2):163–6, Feb 76

Transposition of the lips for the correction of facial paralysis. Pickrell KL, et al. **Plast Reconstr Surg** 57(4):427–33, Apr 76

Introduction of breast implants through the abdominal route Planas J. **Plast Reconstr Surg** 57(4):434–7, Apr 76

The 'crown' excision of facial skin lesions. Robbins TH. **Plast Reconstr Surg** 57(2):251–2, Feb 76

The cushioned augmentation repair after a subcutaneous mastectomy. Rubin LR. **Plast Reconstr Surg** 57(1):23–9, Jan 76

Repair of nostril defect with a contralateral nasolabial flap. Santos OA, et al. **Plast Reconstr Surg** 57(6):704–6, Jun 76

Benign symmetrical lipomatosis (Madelung's disease). Case report. Schuler FA 3d, et al. **Plast Reconstr Surg** 57(5):662–5, May 76

Nipple reconstruction. Silsby JJ. **Plast Reconstr Surg** 57(5):667–8, May 76

Reconstruction of eyelids and eyebrows in burned patients. Sloan DF, et al. **Plast Reconstr Surg** 58(3):340–6, Sep 76

A method for reconstruction of the central slip of the extensor tendon of a finger. Snow JW. **Plast Reconstr Surg** 57(4):455–9, Apr 76

Sideburn relationship in the male face lift. Sturman MJ. **Plast Reconstr Surg** 57(2):248–50, Feb 76

The subcutaneous Z-plasty. Case report. Vecchione TR, et al. **Plast Reconstr Surg** 56(5):579–80, Nov 75

A method for recontouring the domed nipple. Vecchione TR. **Plast Reconstr Surg** 57(1):30–2, Jan 76

Use of a buried nasolabial flap to fill a depression over the lower jaw. Case report. Vecchione TR. **Plast Reconstr Surg** 58(3):375–6, Sep 76

Forehead rhytidoplasty and brow lifting. Vinas JC, et al. **Plast Reconstr Surg** 57(4):445–54, Apr 76

The 'Piecemeal Principle'. Staged operations for better results. Weisman PA. **Plast Reconstr Surg** 57(5):570–6, May 76

Bilateral reconstruction of the nipple-areola complex. Wiemer DR, et al. **Plast Reconstr Surg** 58(3):310–3, Sep 76

Augmentation mammaplasty by the transaxillary approach. Wright JH, et al. **Plast Reconstr Surg** 58(4):429–33, Oct 76

Reconstruction of the ala nasi and the lateral wall of the nose. Haas E. **Rhinology** 14(2):83–90, Jun 76

The treatment of burns by early tangential excision and skin grafting. Chait LA, et al. **S Afr Med J** 49(34):1375–9, 9 Aug 75

Immediate reconstruction in ablative head and neck surgery. Dinner MI, et al. **S Afr Med J** 49(45):1863–8, 25 Oct 75

Surgical reduction of adipose tissue hypercellularity in man. Kral JG. **Scand J Plast Reconstr Surg** 9(2):140–3, 1975

Laminate-plasty reconstruction of partial auricular defects A new method. Pless J. **Scand J Plast Reconstr Surg** 9(1):40–3, 1975

A new method for reconstruction of severe craniofacial deformities. Habal MB, et al. **Surg Gynecol Obstet** 142(5):751–2, May 76

A mathematical analysis of the rhomboid flap. Koss N, et al. **Surg Gynecol Obstet** 141(3):439–42, Sep 75

A new method for reconstruction of major defects in the cranial vault. Habal MB, et al. **Surg Neurol** 6(2):137–8, Aug 76

Application of contemporary reconstructive techniques in head and neck surgery for anterior oral-facial cancers. Joyce LD, et al. **Surgery** 80(3):373–8, Sep 76

Chemexfoliation as an adjunct to facial rejuvenation. Ariagno RP, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):536–9, Nov-Dec 75

Composite pedicled rib flap for reconstruction of the mandible and face. Conley J. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 447–51, Jul-Aug 76

A new treatment for wrinkles. Conley J, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 427–31, Jul-Aug 76

Socket reconstruction: what really happens. Dortzbach RK. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP583–6, Jul-Aug 76

Quadrangular rhytidoplasty. Friedman WH. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 438–41, Jul-Aug 76

The extruding implant. McCord CD Jr. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP587–90, Jul-Aug 76

Experimental study on the closure of large defects of the oral cavity using a free island flap with microvascular anastomosis. Panje WR, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 432–7, Jul-Aug 76

The complications of non-Mustarde restoration of the upper eyelid. Smith B. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP553–5, Jul-Aug 76

Treatment of late traumatic eyelid problems. Soll DB. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP560–5, Jul-Aug 76

The Wendell L. Hughes lecture. Complications of ophthalmic plastic surgery and their prevention. Stasior OG. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP543–52, Jul-Aug 76

Treatment of acute eyelid trauma to prevent late complications. Waller RR. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP556–9, Jul-Aug 76

Blepharoplasty in the Oriental eye. Weingarten CZ. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 442–6, Jul-Aug 76

Blepharoplasty complications. Wiggs EO. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP603–6, Jul-Aug 76

The injured larynx: a new surgical procedure for repair. Work WP, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 460–5, Jul-Aug 76

Otoplasty techniques. Stucker FJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 29(1):52–4, Spring 76

[Some local plastic operations in the closing of atonic wounds] Evstatiev D. **Khirurgiia (Sofiia)** 29(2):141–7, 1976 (Eng. Abstr.) **(Bul)**

[Reconstruction of skin defects of the cheek with a large island flap (author's transl)] Lejour M. **Acta Chir Belg** 74(2):183–91, Mar 75 (Eng. Abstr.) **(Fre)**

[Reparative surgery on the mucosa of the floor of the mouth] Grellet M, et al. **Acta Stomatol Belg** 72(3):489–94, 1975 **(Fre)**

[Abdominal flap in surgery of the hand. What must we think] Baudet J, et al. **Ann Chir Plast** 20(2):215–26, 1975 (Eng. Abstr.) **(Fre)**

[Tolerance of the cortical bone to silicone materials] Bruchet P, et al. **Ann Chir Plast** 20(2):227–31, 1975 (Eng. Abstr.) **(Fre)**

[Cheiloplasty of thin lips. Proposal of a technic] Delerm A, et al. **Ann Chir Plast** 20(2):243–9, 1975 (Eng. Abstr.) **(Fre)**

[Technic of mammary reduction using the bipartition maneuver] Ducourtioux JL. **Ann Chir Plast** 19(4):361–8, 1974 (Eng. Abstr.) **(Fre)**

[Technic of mammoplasty by a J cicatrix] Elbaz JS. **Ann Chir Plast** 20(2):101–11, 1975 (Eng. Abstr.) **(Fre)**

[Free muscle grafts for the rehabilitation of patients with permanent facial paralyses] Faber M. **Ann Chir Plast** 20(1):11–7, 1975 (Eng. Abstr.) **(Fre)**

[The three-pronged plasty (author's transl)] Glicenstein J, et al. **Ann Chir Plast** 20(2):257–60, 1975 (Eng. Abstr.) **(Fre)**

[Combined approaches exposing the whole facial skeleton] Le-Quang C, et al. **Ann Chir Plast** 21(1):23–7, 1976 (Eng. Abstr.) **(Fre)**

[Osteotomy for advancement of the face and skull] Marchac D, et al. **Ann Chir Plast** 19(4):311–23, 1974 (Eng. Abstr.) **(Fre)**

[Study of dermal elastic fibers during plastic surgery of the trunk] Mitz V, et al. **Ann Chir Plast** 20(1):31–43, 1975 (Eng. Abstr.) **(Fre)**

[Use of aerolo-mammary flap with internal pedicle in reduction mammoplasty] Oulié J. **Ann Chir Plast** 20(2):251–6, 1975 (Eng. Abstr.) **(Fre)**

[Superficial temporal artery, Anatomic study and practical deductions] Ricbourg B, et al. **Ann Chir Plast** 20(2):197–213, 1975 (Eng. Abstr.) **(Fre)**

[The periorbit. Its role in the genesis of static and dynamic sequeleae of orbital fractures] Stricker M. **Ann Chir Plast** 20(2):157–62, 1975 (Eng. Abstr.) **(Fre)**

[Medicine and surgery of the profil] Vilain R. **Ann Chir Plast** 20(2):113–22, 1975 (Eng. Abstr.) **(Fre)**

[Note of surgical technic. The technic called in a setting sun in abdominal dermodystrophies] Vilain R. **Ann Chir Plast** 20(2):239–42, 1975 **(Fre)**

[Treatment of steatomery in the female: theory and practice] Vilain R. **Ann Chir Plast** 20(2):135–46, 1975 (Eng. Abstr.) **(Fre)**

[Our procedure for pharyngoplasty in transmandibular pharyngectomies] André P, et al. **Ann Otolaryngol Chir Cervicofac** 92(3):149–50, Mar 75 **(Fre)**

[The temporal or frontotemporal flap in cervicofacial oncology] Desaulty A, et al. **J Fr Otorhinolaryngol** 24(7):521–5, Sep 75 **(Fre)**

[Simple technic for correction of so-called prominant ears] Flot F, et al. **J Fr Otorhinolaryngol** 25(2):155–6, Feb 76 **(Fre)**

[Procedure to follow when confronted with a breast problem] Soussaline M. **Nouv Presse Med** (23):1737–8, 1740, 7 Jun 75 **(Fre)**

[An original method of plastic surgery after treatment of cancer of the lower lip by resection] Urtilă E. **Rev Stomatol Chir Maxillofac** 76(7):579–81, Nov 75 **(Fre)**

[Systematic technic in the primary reconstruction of tissue loss in the mouth after excision of cancer] Fries R, et al. **Acta Stomatol Belg** 72(3):443–55, 1975 **(Ger)**

[Reconstitution of lip, tongue and glottis function] Schmid E. **Acta Stomatol Belg** 72(2):301–10, 1975 **(Ger)**

[Primary reconstruction of the floor of the mouth following radical surgery of cancer] Zisser G. **Acta Stomatol Belg** 72(3):457–63, 1975 **(Ger)**

[Plastic-surgical problems in the removal of malignant facial skin neoplasms on the nose and ear] Meisel HH. **Dtsch Zahnaerztl Z** 31(3):262–4, Mar 76 (Eng. Abstr.) **(Ger)**

[Results of skin-cartilage and mucosa-cartilage transplantations in reconstructive surgery of the eyelids] Cordes V, et al. **Fortschr Kiefer Gesichtschir** 20:65–8, 1976 **(Ger)**

[Surgical technic for the prevention of postoperative telecanthus in naso-ethmoidal fractures] Härle F, et al. **Fortschr Kiefer Gesichtschir** 19:147–8, 1975 **(Ger)**

[Reconstruction of the nose in tumor defects] Jahnke V, et al. **Fortschr Kiefer Gesichtschir** 20:70–3, 1976 **(Ger)**

[Temporary use of a synthetic angle piece in nose plasty using a cartilage angle piece and tantalum nails] Kapovits M. **Fortschr Kiefer Gesichtschir** 20:68–70, 1976 **(Ger)**

[Surgical treatment of maxillary protrusion and retrognathism] Köle H. **Fortschr Kiefer Gesichtschir** 18:46–9, 1974 **(Ger)**

[Photomontage in the planning of jaw and facial operations] Kriens O. **Fortschr Kiefer Gesichtschir** 18:101–5, 1974 **(Ger)**

[Technic and results in tear duct reconstruction in facial injuries] Nwoku AL, et al. **Fortschr Kiefer Gesichtschir** 19:148–50, 1975 **(Ger)**

[Eyelid replacement with skin and mouth mucosa flaps] Rehrmann A. **Fortschr Kiefer Gesichtschir** 20:92–4, 1976 **(Ger)**

[Cranial approach in the surgical repositioning of displaced orbital contents] Reichert H. **Fortschr Kiefer Gesichtschir** 18:34–5, 1974 **(Ger)**

[Various bone materials for the reconstruction of defects of the orbital floor] Schmelzle R. **Fortschr Kiefer Gesichtschir** 19:191–3, 1975 **(Ger)**

[Experiences with split and whole skin grafts in the head and neck region] Schmid E. **Fortschr Kiefer Gesichtschir** 20:73–6, 1976 **(Ger)**

[Behavior of free skin grafts in mobile and immobile areas of the soft parts of the face] Schröder F. **Fortschr Kiefer Gesichtschir** 20:80–3, 1976 **(Ger)**

[Free skin transplantation in facial burns] Schuchardt K. **Fortschr Kiefer Gesichtschir** 20:76–80, 1976 **(Ger)**

[Studies for the treatment planning in orbital fractures] Schüle H, et al. **Fortschr Kiefer Gesichtschir** 19:188–91, 1975 **(Ger)**

[Use of preserved cartilage and cartilage-bone transplants for the improvement of facial contours] Schwenzer N, et al. **Fortschr Kiefer Gesichtschir** 20:54–8, 1976 **(Ger)**

[Transplantation of skin and cartilage to create eyelids capable of holding a prosthesis after loss of the eyeball and eyelid] Stellmach R. **Fortschr Kiefer Gesichtschir** 20:63–5, 1976 **(Ger)**

[Plastic-surgical principles in the rehabilitation of severe mid-facial injuries] Tschopp HM. **Fortschr Kiefer Gesichtschir** 19:137–41, 1975 **(Ger)**

[Bilateral radical mastectomy for carcinoma of the breast of the stages T0 and T1 (N0, M0) and mammoplasty of both breasts, areola and nipples in a single operation (author's transl)] Hüter J. **Geburtshilfe Frauenheilkd** 36(1):10–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Loop operations] Berger M. **Gynaekol Rundsch** 15 suppl 1:86–9, 1975 **(Ger)**

[Franz' puborectal plastic surgery, an alternative to the combined loop operations] Bodinbauer J, et al. **Gynaekol Rundsch** 15 suppl 1:108–12, 1975 **(Ger)**

[Reconstruction of tracheal stenosis at thoracic inlet level (author's transl)] Denecke HJ, et al. **HNO** 23(4):126–8, Apr 75 (Eng. Abstr.) **(Ger)**

[Facelifting and blepharoplasty. Surgical and suture techniques] pp. 35–47. Höhler H. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Extra adipose tissue resection with the facelift] pp. 67–8. Zischinsky W. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Surgical procedures in cleft-palate patients, with reference to phonetic function: primary and secondary methods

(author's transl)] Scheunemann H. **Langenbecks Arch Chir** 339:355–64, Nov 75 (Eng. Abstr.) **(Ger)**

[The free dermis fat transplantation as adjunct in the surgery of the parotid gland (author's transl)] Walter C. **Laryngol Rhinol Otol (Stuttg)** 54(5):435–40, May 75 (Eng. Abstr.) **(Ger)**

[Comments on problems of uretero-ileo-cystoplasty (author's transl)] Lichtenauer P, et al. **Urologe [A]** 14(5):217–22, Sep 75 (Eng. Abstr.) **(Ger)**

[Venous wall graft in Peyronie's disease (author's transl)] Sachse H. **Urologe [A]** 15(3):131–2, May 76 (Eng. Abstr.) **(Ger)**

[Excoriation injuries of the penis and scrotum (author's transl)] Stoll HG, et al. **Urologe [A]** 14(6):272–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Antireflux procedures in advanced pyelonephritic kidneys. A modification of the grégoir-operation (author's transl)] Strohmenger P, et al. **Urologe [A]** 14(5):223–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Wertheim's radical operation with vaginal reconstruction by means of the signoid colon in young women (author's transl)] Grünberger V, et al. **Wien Klin Wochenschr** 87(20):671–4, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Surgery of anomalies of position and shape of the pinna (author's transl)] Haas E. **Z Laryngol Rhinol Otol** 53(2):93–98, Feb 74 (Eng. Abstr.) **(Ger)**

[Correction of fronto-orbital defects (author's transl)] Schlöndorff G. **Z Laryngol Rhinol Otol** 53(2):104–8, Feb 74 (Eng. Abstr.) **(Ger)**

[Surgical correction of hyper telorism (author's transl)] Schlöndorff G. **Z Laryngol Rhinol Otol** 53(2):98–103, Feb 74 (Eng. Abstr.) **(Ger)**

[Reconstruction of the breast following mammary extirpation] Brückner H. **Zentralbl Chir** 100(14):852–5, 1975 **(Ger)**

[Reconstructive surgery of the breast] Knoch HG. **Zentralbl Chir** 100(14):856–61, 1975 **(Ger)**

[Editorial: Methods in plastic and reconstructive surgery] Tsur H, et al. **Harefuah** 90(2):83–4, 15 Jan 76 **(Heb)**

[Primary excision of burn wounds] János N, et al. **Magy Traumatol Orthop** 18(3):173–84, 1975 **(Hun)**

[Recent progress in the reconstruction of large scalp defect and the craniofacial surgery (author's transl)] Fukuda O. **Neurol Surg (Tokyo)** 3(10):805–11, 10 Oct 75 **(Jpn)**

[Recent progress in plastic surgery, especially on craniofacial surgery (author's transl)] Ohmori S. **Neurol Surg (Tokyo)** 3(4):277–87, Apr 75 (18 ref.) **(Jpn)**

[Surgical treatment of lower lip carcinoma with simultaneous plastic reconstruction of tissue defect] Soltan M. **Czas Stomatol** 28(11):1089–95, Nov 75 (Eng. Abstr.) **(Pol)**

[Use of coallgenous implant in dermatology] Teixeira LA, et al. **Med Cutan Iber Lat Am** 2(6):477–80, 1974 (Eng. Abstr.) **(Por)**

[Use of the greater omentum for treating radiation necroses and edema of the upper extremities following Halsted's mastectomy] Kiricuta I, et al. **Khirurgiia (Mosk)** (9):88–93, Sep 75 **(Rus)**

[Results of primary autoplasty of defects of the cranial vault with bone crumbs] Volobuev IuM. **Klin Khir** (7):37–9, Jun 75 **(Rus)**

[Platic closure of extensive defects of the maxillofacial area following extensive surgical operations for cancer] Shental VV, et al. **Stomatologiia (Mosk)** 54(5):36–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Methodological characteristics of restorative surgery and orthodontic treatment in the correction of extensive defects of the tissues in the oral region and the anterior portion of the mandible] Balon LR, et al. **Vestn Khir** 115(10):118–124, OCT 75 (Eng. Abstr.) **(Rus)**

[Correction of partial defects of the pinna] Kruchinskiĭ GV, et al. **Vestn Otorinolaringol** (4):10–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Variant of plastic surgery of the ear canal in its atresia] Ovchinnikov IuM. **Vestn Otorinolaringol** (4):79–81, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Method of plastic surgery in atresia of the external auditory canal] Ovsiannikov MI. **Vestn Otorinolaringol** (4):14–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

STANDARDS

[Results of primary orbital reconstructions in mid-facial fractures] Rolffs J. **Fortschr Kiefer Gesichtschir** 19:184–5, 1975 **(Ger)**

[Proceedings: Longterm results after surgery of pure stress incontinence] Bührig H, et al. **Gynaekol Rundsch** 15 suppl 1:113–4, 1975 **(Ger)**

VETERINARY

Selective scar revision & elective incision techniques applicable to the legs of horses. Part 2—Application of modified W-plasty surgical techniques in scar revision on the lower legs of horses. Kirk MD. **Vet Med Small Anim Clin** 71(6):801–7, Jun 76

Selective scar revision & elective incision techniques applicable to the legs of horses. Part 3—Application of combined fusiform excision and W-plasty surgical techniques in scar revision on the upper hind legs. Kirk MD. **Vet Med Small Anim Clin** 71(7):941–5, Jul 76

SURGERY, VETERINARY see under **VETERINARY MEDICINE**

SURGICAL DIATHERMY see **ELECTROCOAGULATION**

SURGICAL EQUIPMENT

Vitrectomy-instrumentation-system MS 7. Hennig J. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):205–12, 5 Sep 75

One hundred consecutive pars plana vitrectomies using the vitrophage. Peyman GA, et al. **Am J Ophthalmol** 81(3):263–71, Mar 76

Corneal holder. Slappey TE. **Am J Ophthalmol** 80(3 Pt 2):551–2, Sep 75

Esophageal dilatation using the Eder Puestow dilators. Royston CM, et al. **Am J Surg** 131(6):697–700, Jun 76

Current laser surgery. Kaplan I, et al. **Ann NY Acad Sci** 267:247–53, 30 Jan 76

A forearm-wrist support for use in ophthalmic surgery. Wong WW. **Ann Ophthalmol** 8(2):221–2, Feb 76

Use of disposable products in surgical practice. Laufman H, et al. **Arch Surg** 111(1):20–6, Jan 76

A new instrument for mammary surgery. Zenteno AS. **Br J Plast Surg** 28(3):164–5, Jul 75

Surgical instruments and dressings: an information service. Lakie MH, et al. **Br Med J** 4(5994):448–50, 22 Nov 75

Hand table. Webb PJ. **Hand** 7(2):187–8, Jun 75

Experimental system for the control of surgically induced infections. Skidmore RA. **Hum Factors** 17(2):132–8, Apr 75

Hand supports and aids for use with the operating microscope. pp. 331–5. Machemer R. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

The uses and relative value of coaxial, slit and fiberoptic illumination systems. pp. 385–9. Machemer R, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Upright Gullstrand Stereo Fundus Microscope. pp. 404–7. Schirmer KE, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Development of uterine elevators, back-up systems and portable tables for laparoscopy. pp. 138–44. Hulka JF. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

A study of the bone machining process—drilling. Jacob CH, et al. **J Biomech** :343–9, 1976

Corrosion of surface defects in fine wires. Rentler RM, et al. **J Biomed Mater Res** 9(6):597–610, Nov 75

Bacterial dispersion in relation to operating room clothing. Whyte W, et al. **J Hyg (Camb)** 76(3):367–78, Jun 76

Laser medical instrumentation. Goldman L. **Med Instrum** 10(2):125–9, Mar–Apr 76

Design hazards of electrosurgical devices. Gonser DI, et al. **Med Instrum** 10(2):130–7, Mar–Apr 76

Editorial: Retrospective musings. Harken DE. **Med Instrum** 10(2):89, Mar–Apr 76

Future trends in neurosurgical instrumentation—a speculative approach. Lake PA. **Med Instrum** 10(2):115–8, Mar–Apr 76

Trends in operating room devices. Laufman H. **Med Instrum** 10(2):98–104, Mar–Apr 76

Editorial: Focus on operating room devices. Laufman H. **Med Instrum** 10(2):90, Mar–Apr 76

A plastic surgery operatory unit. Dingman DL, et al. **Plast Reconstr Surg** 56(6):673–4, Dec 75

An improved quartz-halogen headlight. Kaye BL. **Plast Reconstr Surg** 57(1):110–1, Jan 76

An inexpensive hand table. MacDonald CJ. **Plast Reconstr Surg** 57(3):392, Mar 76

Use of a U tube in the treatment of biliary disease. Beart RW Jr, et al. **Surg Gynecol Obstet** 142(6):912–4, Jun 76

A new operating room stretcher-table. Anderson WB Jr. **Trans Am Ophthalmol Soc** 73:319–20, 1976

Sponge matrix allografts. A model for analysis of killer cells infiltrating mouse allografts. Roberts PJ, et al. **Transplantation** 21(6):437–45, Jun 76

Pyeloplasty with T-tube ureterotomy. Kohler FP, et al. **Urology** 6(4):443–6, Oct 75

[Clinical trials of the Monaghan 14250 respirator] Doyer JL. **Ann Anesthesiol Fr** 15(1):79–84, 1974 **(Fre)**

[New views on the force of corneal incisions in surgery of the crystalline lens under the surgical microscope] Durand ML. **Bull Soc Ophtalmol Fr** 74(9–10):941–2, Sep–Oct 74 **(Fre)**

[Technic and results of cervico-cystopexies by retro-pubic suspension with the aid of bandelettes of synthetic material] Scali P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):269–74, 1972 **(Fre)**

[An aid to surgical assistants in intervertebral disk surgeries] Vogl A. **Chirurg** 46(9):429, Sep 75 **(Ger)**

[Surgical textiles-material, methods, effects (author's transl)] Baron H. **Langenbecks Arch Chir** 339:589–97, Nov 75 (Eng. Abstr.) **(Ger)**

[A Xenon surgical slit-lamp (Zeiss)] Eisner G, et al. **Ophthalmologica** 172(2–3):156–9, 1976 **(Ger)**

[Surgical management of ureteral evacuation disorders using a surgical gama camera] Kucera H, et al. **Zentralbl Gynaekol** 97(6):361–4, 1975 (Eng. Abstr.) **(Ger)**

[Wound treatment under hypotension and its advantages. Construction of devices from plastic sets for intravenous infusions, bottles for blood substitute fluids and rubber glove fingers in such wound treatment] Porwolik E, et al. **Pol Przegl Chir** 47(11A):1459–62, Nov 75 (Eng. Abstr.) **(Pol)**

[Letter: Possibilities of radiation-induced sterilization of medical equipment made of polychlor vinyl] Zalewski W, et al. **Polim Med** 4(3):225–7, 1974 **(Pol)**

[Clinical use of an improved model of operative photocholedochoscope] Panchenkov RT, et al. **Khirurgiia (Mosk)** (10):76–82, Oct 75 (Eng. Abstr.) **(Rus)**

[Telescopic atomizer PT-1 for medical glue] Akimova AIa, et al. **Med Tekh** (2):49–51, Mar–Apr 75 **(Rus)**

[Dressing table] Lopatin EA, et al. **Med Tekh** (1):51, Jan–Feb 76 **(Rus)**

[Combined set: 'microscope-operating table'] Golenkov AK. **Vestn Oftalmol** (6):73–4, Nov–Dec 75 **(Rus)**

Hospital equipment and mobile medical unit for surgical equipment in the general national defense] Hranilovic A. **Acta Chir Iugosl** 23(1 Suppl):365–73, 1976 **(Ser)**

[Angiocardiographic and clinical development of Carpentier's mitral rings] Sala J, et al. **Arch Inst Cardiol Mex** 46(2):238–46, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Carpentier's ring in mitral surgery. Surgical technic] Trenor AM, et al. **Arch Inst Cardiol Mex** 46(2):232–7, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Perforation of the deep palmar arch produced by surgical wire after tenorrhaphy. A case report and review of the literature. Diaz JE, et al. **J Bone Joint Surg [Am]** 57(8):1150–2, Dec 75

[New surgical risk: electric equipment] Mastroianni A. **Minerva Anestesiol** 41(11):556–60, Nov 75 (Eng. Abstr.) **(Ita)**

STANDARDS

The plastic surgical adhesive drape: an evaluation of its efficacy as a microbial barrier. French ML, et al. **Ann Surg** 184(1):46–50, Jul 76

Flammability of disposable surgical drapes. Johnson RM, et al. **Arch Ophthalmol** 94(8):1327–9, Aug 76

Neurosurgical materials and devices. Report on regulatory agencies and advisory groups. Burton CV, et al. **J Neurosurg** 45(3):251–8, Sep 76

[Experiences with the radiation-sterilized surgical covering foil] Siegling C-W. **Beitr Orthop Traumatol** 23(2):106–7, Feb 76 **(Ger)**

VETERINARY

An equine abdominal surgery table. Riebold TW, et al. **Vet Med Small Anim Clin** 71(5):669–71, May 76

SURGICAL INSTRUMENTS

The use of tantalum clips in general surgery. Kylberg F. **Acta Chir Scand** 141(3):242–4, 1975

Optimal suction system for dissection work in surgery. Vällfors B. **Acta Chir Scand** 142(1):94–6, 1976

The use of the drill in ear surgery. Hallén O, et al. **Acta Otolaryngol (Stockh)** 80(1–2):81–5, Jul–Aug 75

Vitrectomy-instrumentation-system MS 7. Hennig J. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):205–12, 5 Sep 75

Management of dense secondary membranes with vitrophage. Peyman GA, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 195(3):155–9, 6 Jun 75

Endoscopic removal of chicken gizzards by polypectomy snare in a patient with Nissen's fundoplication. Mangla JC, et al. **Am J Gastroenterol** 64(2):133–6, Aug 75

Two new laparoscopic instruments: bipolar sterilizing forceps and uterine manipulator. Corson SL. **Am J Obstet Gynecol** 124(4):434–6, 15 Feb 76

Ballooned uterine elevator cannula. Hasson HM. **Am J Obstet Gynecol** 123(6):658–9, 15 Nov 75

A new self-retaining vaginal retractor. Wexler DJ. **Am J Obstet Gynecol** 124(4):436–8, 15 Feb 76

Irrigating intraocular lens implanting forceps with capsular blower. Nevyas HJ. **Am J Ophthalmol** 82(3):502–3, Sep 76

Vitreous scissors and forceps. Peyman GA, et al. **Am J Ophthalmol** 80(4):767, Oct 75

Improved vitrectomy illumination system. Peyman GA. **Am J Ophthalmol** 81(1):99–100, Jan 76

Microsurgical extracapsular forceps. Wergeland FL. **Am J Ophthalmol** 81(4):523–4, Apr 76

Arterial dilator-shunt for use in carotid artery fibromuscular hyperplasia. Collins GJ Jr, et al. **Am J Surg** 130(3):381–2, Sep 75

Intimal injury from arterial clamps. Slayback JB, et al. **Am J Surg** 132(2):183–8, Aug 76

Sliding lock modification of standard tissue forceps. Smith DW. **Am J Surg** 131(3):392, Mar 76

Sternal staple: simple and rapid device for closure of median sternotomy. Al-Naaman YD, et al. **Ann Thorac Surg** 21(2):170–1, Feb 76

A modified sternal retractor. Ancalmo N, et al. **Ann Thorac Surg** 21(2):174, Feb 76

A useful instrument for aortocoronary bypass operations.

Mendez AM, et al. **Ann Thorac Surg** 21(1):72–3, Jan 76

A plasma scalpel: comparison of tissue damage and wound healing with electrosurgical and steel scalpels. Link WJ, et al. **Arch Surg** 111(4):392–7, Apr 76

Use of disposable Velcro sleeves on gastrointestinal clamps and forceps. Nelson W. **Arch Surg** 111(9):1038–9, Sep 76

An effective tourniquet mechanism in surgery of the lip. Vecchione TR. **Arch Surg** 111(8):918, Aug 76

Dormia basket removal of a residual common duct stone: report of a case. Hart SA, et al. **Aust NZ J Surg** 45(3):271–3, Aug 75

A photoelastic force-indicating spreader for the correction of scoliosis. Arcan M, et al. **Biomed Eng** 10(12):451–2, 455, Dec 75

Corneal rust removal by electric drill. Clinical trial by comparison with manual removal. Brown N, et al. **Br J Ophthalmol** 59(10):586–9, Oct 75

Cryoprobe with T-tip for retinal surgery. Lyall MG. **Br J Ophthalmol** 60(5):376, May 76

A new parotid spoon retractor. Rappaport I, et al. **Br J Plast Surg** 29(1):106–7, Jan 76

A new surgical marking pen. Sommerlad BC. **Br J Plast Surg** 28(2):139–40, Apr 75

An instrumental method of performing Lord's procedure for haemorrhoids. Taylor TV. **Br J Surg** 63(6):460–1, Jun 76

Iglesias resectoscope with continuous irrigation, suction and low intravesical pressure. Iglesias JJ, et al. **Br J Urol** 47(6):683–6, Dec 75

Sterilisation of ophthalmic instruments by paraformaldehyde tablets. El Gammal MY, et al. **Bull Ophthalmol Soc Egypt** 68:731–6, 1975

One scalpel for major surgical procedures. A bacteriologic study. Cooperman AM, et al. **Cleve Clin Q** 42(2):193–6, Summer 75

A malleable needle for tendon surgery. Gardner RC. **Hand** 7(2):185–6, Jun 75

Intra-tendinous tendon suture in the hand—a new technique. Tsuge K, et al. **Hand** 7(3):250–5, Oct 75

Asherman's syndrome, the Massouras Duck's Foot-IUD (MDF-IUD) and Peacock Hook. Treatment and prevention. pp. 265–72. Massouras HG.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Vitrectomy instrumentation, Roto-Extractor indications, and techniques and results. pp. 155–78. Douvas NG.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.

Pars plana vitrectomy in advanced diabetic retinopathy. Eighty consecutive cases performed with the Douvas Roto-Extractor. pp. 213–26. Okun E.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.

Clinical experiences with the vitrophage. pp. 227–35. Peyman GA, et al.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.

An ultrasonic blade for vitreous surgery. pp. 665–7. Coleman DJ, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The intra-ocular balloon, remote controlled vitreous scissors, and controlled release of subretinal fluid. pp. 499–517. Couvillion GC.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Prevention of scleral collapse during vitreous or intraocular surgery. pp. 136–41. Girard LJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

A mechanical vitrectomy instrument. pp. 315–8. Hennig J.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy via the pars plana ciliaris with the vitreous stripper. pp. 243–57. Klöti R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

V.I.S.C. design and function. pp. 303–5. Machemer R, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Pars plana lensectomy and vitrectomy with the Douvas roto-extractor in diabetic retinopathy. pp. 555–60. Okun E, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Creation of vitrectomy instruments, ideals, and practicalities. pp. 319–27. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitreous surgery instrumentation: designed for use with indirect ophthalmoscopy. pp. 396–403. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy with an alternative instrument system. pp. 205–25. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The vitrophage. pp. 258–64. Peyman GA.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

An improved blade-breaker and holder. Singh D. **Indian J Ophthalmol** 22(4):30, Dec 74

Radioactive tracers in the assessment of cleaning of surgical appliances. Mostafa AB, et al. **Int J Appl Radiat Isot** 26(11):651–5, Nov 75

Reason and remedy for conflicting reports on comparative effects of steel scalpel and electrosurgical cutting on gingival tissues and alveolar bone. Oringer MJ. **J Am Dent Assoc** 92(5):850–1, May 76

Vasectomy: A new instrument. Textor BA. **J Am Osteopath Assoc** 75(12):1071, Aug 76

Development of needles and sutures for microsurgery. Roberts WN. **J Biomed Mater Res** 9(5):399–405, Sep 75

New instruments for use in hair transplants techniques. Baran R. **J Dermatol Surg** 1(1):47–8, Apr 75

Iatrogenic foreign body in the posterior urethra. Seery WH, et al. **J Natl Med Assoc** 68(1):63, Jan 76

Modified disc rongeur. Technical note. Lake PA. **J Neurosurg** 43(4):504, Oct 75

Insulated suction tube for coagulation of inaccessible vessels. Donoff RB. **J Oral Surg** 33(12):952, Dec 75

A knife-holder for disposable blades designed for gingival surgery. Waerhaug J. **J Periodontol** 47(1):46–7, Jan 76

Multipronged laparoscopic forceps. Hasson HM. **J Reprod Med** 16(4):167–70, Apr 76

Guidewire deflector system removal of catheter foreign body retained in the right heart for six months. Gerlock AJ Jr. **J Trauma** 15(9):830–2, Sep 75

New Iglesias resectoscope with continuous irrigation, simultaneous suction and low intravesical pressure. Iglesias JJ, et al. **J Urol** 114(6):929–33, Dec 75

An extractor for scalpel blades. McKie J, et al. **Lancet** 2(7931):395–6, 30 Aug 75

Gas transport resulting from plasma-scalpel surgery. Henderson MR, et al. **Med Biol Eng** 12(2):208–13, Mar 74

Microsurgical roto-extractor instrument for vitrectomy. Douvas NG. **Mod Probl Ophthalmol** 15:253–60, 1975

The Boerema button. Cherry FM. **Nurs Times** 71(41):1615–7, 9 Oct 75

Experimental cataract fragmentation:instrumentation and laboratory evaluation. Liu HS, et al. **Ophthalmic Surg** 7(1):58–64, Spring 76

A new intraocular foreign body retriever. Wilson DL. **Ophthalmic Surg** 6(4):64–5, Winter 75

Brief communication knife cuts while you wait: a simple and inexpensive procedure for producing knife cuts in freely moving animals. Hamilton LW, et al. **Physiol Behav** 16(1):101–3, Jan 76

A retractor for use in breast augmentations. Fischl RA. **Plast Reconstr Surg** 57(4):526, Apr 76

Letter: On a retractor for use in breast augmentation. Pollock WJ. **Plast Reconstr Surg** 58(3):365–6, Sep 76

Two ideas to aid the reconstructive surgeon. Gardner RC. **South Med J** 69(8):1104, Aug 76

A new instrument for uncomplicated emergency cricothyrotomy. Gonzalez S. **South Med J** 69(3):309–11, Mar 76

Special retractors for the hip joint and small bones. Gordon EJ. **South Med J** 69(8):1006, Aug 76

Vascular clips for the microsurgical treatment of stroke. Fox JL. **Stroke** 7(5):489–500, Sep–Oct 76

Modified Deaver retractor designed for comfort. Gray SH, et al. **Surg Gynecol Obstet** 141(5):766–7, Nov 75

The sharp dissector as an aid to better surgical procedures. Perrill CV. **Surg Gynecol Obstet** 142(4):589–90,

Management of intraocular opacities with the roto-extractor. Barber JC. **Tex Med** 71(12):59–62, Dec 75

Release of anterior segment vitreous strands. Lynn JR. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):451–3, May-Jun 76

Electro-mechanical vitreous cutter and extractor. Maguire CJ, et al. **Trans Ophthalmol Soc UK** 95(1):108–12, Apr 75

Resectoscope sheath obturator-follower. Azoury BS. **Urology** 6(5):626, Nov 75

Kidney resection clamp: new instrument. Storm FK, et al. **Urology** 6(4):494–5, Oct 75

[New type of intravenous striptor of our own construction] Luža E. **Rozhl Chir** 54(10):725–9, Oct 75 (Eng. Abstr.) **(Cze)**

[A metallic extractor in vascular surgery (author's transl)] Van de Berg L. **Acta Chir Belg** 74(2):165–72, Mar 75 (Eng. Abstr.) **(Fre)**

[A new small razor for the excision of minor cutaneous lesions] Bergerot J. **Ann Chir Plast** 19(4):379–80, 1974 (Eng. Abstr.) **(Fre)**

[New osteoclast] Marechal R. **Ann Otolaryngol Chir Cervicofac** 91(9):537–8, Sep 74 **(Fre)**

[Vitrectomy by the pars plana by use of Kloti's vitreotome] Regnault F, et al. **Bull Mem Soc Fr Ophtalmol** (87):85–9, 1976 **(Fre)**

[Research on intrazygoportal disconnection by use of Vosschulte's ring. Experimental study in the dog] Germain M, et al. **J Chir (Paris)** 111(3):377–88, Mar 76 (Eng. Abstr.) **(Fre)**

[Pars plana vitrectomy with the vitreous stripper] Klöti R. **Mod Probl Ophthalmol** 15:246–52, 1975 (Eng. Abstr.) **(Fre)**

[Treatment of ureteral calculi with the Zeiss loop] Minovi F. **Acta Med Iran** 17(3–4):113–20, Dec 74 **(Ger)**

[Cataract surgery using a rotating circular knife] Schlegel HJ. **Ber Dtsch Ophthalmol Ges** (73):291–3, 1975 **(Ger)**

[Saw with cooling device for use in bone surgery] Orum J. **Biomed Tech (Stuttg)** 20(5):198–9, Oct 75 **(Ger)**

[Extraction forceps for hip joint prosthesis] Ewerwahn WJ. **Chirurg** 46(12):574, Dec 75 **(Ger)**

[Miller-Abbott probe with temporary support] Stuhler T, et al. **Chirurg** 46(9):432, Sep 75 **(Ger)**

[Angular chisel for use in hard-to-reach cavities, especially in orbital osteotomy] Lindorf HH. **Dtsch Zahnaerztl Z** 31(8):670, Aug 76 **(Ger)**

[Experimental findings and clinical experiences with diamond knives (author's transl)] Cabernard E. **Klin Monatsbl Augenheilkd** 167(1):134–6, Jul 75 (Eng. Abstr.) **(Ger)**

[A semi-automatic electric keratome for lamellar corneal graft (author's transl)] Draeger J. **Klin Monatsbl Augenheilkd** 167(3):353–9, Sep 75 (Eng. Abstr.) **(Ger)**

[A further modification of the Flieringa-ring (author's transl)] Hallermann W. **Klin Monatsbl Augenheilkd** 168(02):263–4, Feb 76 (Eng. Abstr.) **(Ger)**

[Chalazion-forceps by Illig (author's transl)] Hollwich F. **Klin Monatsbl Augenheilkd** 165(5):826–7, Nov 74 (Eng. Abstr.) **(Ger)**

[Innovations by ophthalmo-surgical instruments (author's transl)] Liegl O. **Klin Monatsbl Augenheilkd** 167(3):499–500, Sep 75 (Eng. Abstr.) **(Ger)**

[Angled micro-scissors for after-cataract surgery (author's transl)] Meyner EM. **Klin Monatsbl Augenheilkd** 168(02):265–6, Feb 76 (Eng. Abstr.) **(Ger)**

[A new type of eye speculum (author's transl)] Oosterhuis JA, et al. **Klin Monatsbl Augenheilkd** 166(6):845–6, Jun 75 (Eng. Abstr.) **(Ger)**

[Vibration, a new way of cutting in ophthalmic surgery (author's transl)] Spitznas M, et al. **Klin Monatsbl Augenheilkd** 166(4):557–8, Apr 75 (Eng. Abstr.) **(Ger)**

[Experimental use of a q-switched YAQ high-performance laser as a surgical tool] Grotelüschen B, et al. **Langenbecks Arch Chir** Suppl:173–5, 1975 (Eng. Abstr.) **(Ger)**

[The bladder-stone punch—a new principle of visual lithotripsy (author's transl)] Mauermayer W, et al. **Urologe [A]** 15(4):164–6, Jul 76 (Eng. Abstr.) **(Ger)**

[Treatment of urethral stricture in the male by means of Otis-urethrotom. Report on 65 cases] Pust R, et al. **Z Urol Nephrol** 68(10):735–43, Oct 75 **(Ger)**

[Electric hand drill for removal of corneal foreign bodies] Kotania W, et al. **Klin Oczna** 45(8):947–9, Aug 75 (Eng. Abstr.) **(Pol)**

[Vascular retractor of our design] Antoszewski Z. **Pol Przegl Chir** 47(8):1043–4, Aug 75 **(Pol)**

[Removal of calculi from lower part of the ureter with Dormia's instrument] Darewicz J, et al. **Pol Przegl Chir** 48(6A):791–3, Jun 76 (Eng. Abstr.) **(Pol)**

[Solutions of Chlorhexidinum gluconicum 20 preparation (Polfa production) in the disinfection of surgical instruments] Perczyńska-Partyka W, et al. **Pol Tyg Lek** 31(22):943–5, 31 May 76 (Eng. Abstr.) **(Pol)**

[Sternal retractor model in pacemaker implantation by subxyphoid approach] Gomes OM, et al. **Arq Bras Cardiol** 29(2):125–6, Apr 76 (Eng. Abstr.) **(Por)**

[Atraumatic intestinal clamp] Ioffe IL, et al. **Khirurgiia (Mosk)** (8):110, Aug 75 **(Rus)**

[A tube with an illumination system for operations on dilated varicose veins in the legs] Karavanov GG. **Klin Khir** (11):81, Nov 75 **(Rus)**

[Babcock's tube with an illumination device] Mamchich VI. **Klin Khir** (11):82, Nov 75 **(Rus)**

[Surgical tweezers] Moroz MA. **Klin Khir** (2):71, 1975 **(Rus)**

[Lymphatic vessel dilator] Shmatkov NP. **Klin Khir** (3):77–8, Mar 76 **(Rus)**

[Forceps for safe choledochotomy, cholangiography and cholangiomanometry] Taranenko LD, et al. **Klin Khir** (3):78, Mar 76 **(Rus)**

[Device for the experimental local application of cold to organs and vessels of the abdominal cavity] Doletskii AS, et al. **Med Tekh** (5):51–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the structure and technological properties of steels and alloys for the preparation of medical cutting instruments with a narrow cutting edge] Chirklov VK, et al. **Nov Med Priborostr** (4):11–6, 1973 **(Rus)**

[New instruments for ophthalmosurgery] Frenkel' AG, et al. **Nov Med Priborostr** (4):27–30, 1973 **(Rus)**

[New design of medical trocars] Kamaletdinov RZ, et al. **Nov Med Priborostr** (4):38–9, 1973 **(Rus)**

[New instruments for tonsillectomy] Vakhnin AK. **Nov Med Priborostr** (4):23–6, 1973 **(Rus)**

[Fiber-optic instruments for eye surgery] Malaev AA, et al. **Vestn Oftalmol** (1):80–2, 1976 **(Rus)**

[Forceps for the insertion of transplants in plastic surgery

of the nose] Kurilin IA, et al.
Zh Ushn Nos Gorl Bolezn (6):94–5, Nov–Dec 75 **(Rus)**
[Suction–spatula for tonsillectomy] Parkhomovskiĭ NA.
Zh Ushn Nos Gorl Bolezn (2):119, Mar–Apr 75 **(Rus)**

ADVERSE EFFECTS

[Unusual complications during surgical intestinal support using the Miller–Abbott probe] Spelsberg F, et al.
Chirurg 46(9):430–1, Sep 75 **(Ger)**

HISTORY

Prominent medicine convenes at Lumberton, 1887. Henderson AR. **J Med Soc NJ** 73(1):18–2, Jan 76
Evolution of knife–punch resectoscope. Nation EF.
Urology 7(4):417–27, Apr 76

STANDARDS

The safety testing of tracheal devices. pp. 271–87. Stetson JB.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

VETERINARY

Small animal clinical otology. Instrumentation. Rose WR.
Vet Med Small Anim Clin 71(1):31–6, Jan 76

SURGICAL MESH

An esthetic and effective retainer for lower anterior teeth. Gazit E, et al. **Am J Orthod** 70(1):91–3, Jul 76
Repair of massive septic abdominal wall defects with Marlex mesh. Gilsdorf RB, et al. **Am J Surg** 130(6):634–8, Dec 75
Closure of massive abdominal wall defects in adults. Lawrence PF, et al. **Arch Surg** 111(3):297–8, Mar 76
Marlex mesh for repair of abdominal wall defects. Walker PM, et al. **Can J Surg** 19(3):211–3, May 76
Unsutured Dacron prosthesis in groin hernias. Stoppa R, et al. **Int Surg** 60(8):411–2, Aug 75
Structural and mechanical aspects of prosthetic herniorrhaphy. Minns RJ, et al. **J Biomech** 9(7):435–8, 1976
Craniofacial contour defect reconstruction with a dacron/urethane composite: an alloplastic tray for bone induction fabrication and application. Leake DL, et al.
J Biomed Mater Res 10(4):555–60, Jul 76
Difficult hernias: Mersilene mesh in the repair of hernias. Haskey RS, et al. **J Kans Med Soc** 76(10):239–40, 256, Oct 75
Post mortem recovery of mandibular osseous graft with cellulose acetate filter. A case report. Troiano MF, et al.
J Maxillofac Surg 3(3):200–3, Sep 75
An appliance that permits early mobilization after correction of mandibular prognathism. Ryan DE, et al.
J Oral Surg 33(11):875–6, Nov 75
Treatment of mandibular fractures with use of malleable titanium mesh: report of 56 cases. Zallen RD, et al.
J Oral Surg 34(8):748–54, Aug 76
The use of woven ceramic fabric as a periodontal allograft. Bump RL, et al. **J Periodontol** 46(8):453–8, Aug 75
A further aid to meshed skin grafting. Fogdestam I.
Plast Reconstr Surg 58(1):103–4, Jul 76
An aid to meshed skin grafting. Lehv MS.
Plast Reconstr Surg 56(5):584, Nov 75
Repair of massive abdominal wall defects. Combined use of pneumoperitoneum and Marlex mesh. Cady B, et al.
Surg Clin North Am 56(3):559–70, Jun 76
Abdominal wall replacement with plastic mesh in ablative cancer surgery. Karakousis CP, et al. **Surgery** 78(4):453–9, Oct 75
[Surgical treatment of nephroptosis] Bernt O, et al.
Z Urol Nephrol 67(9):667–71, Sep 74 **(Ger)**
[Polyester knitted nets in pediatric surgery] Zawartka J.
Polim Med 5(2):175–80, 1975 **(Pol)**
[Autoalloplasty in iliac artery aneurysm] Kuś H.
Polim Med 5(1):41–4, 1975 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Migration of teflon mesh from abdominal wall into large bowel. Herrera MA, et al. **NY State J Med** 76(3):452–3, Mar 76

STANDARDS

[Experimental study of resistance to and biologic tolerance of prosthetic materials used in the repair of losses of substance of the abdominal wall] Adloff M, et al.
Chirurgie 102(6):390–6, Jun 76 (Eng. Abstr.) **(Fre)**

SURGICAL NURSING

Pelvic exenteration. Hamilton MS, et al. **Am J Nurs** 76(2):266–72, Feb 76
A delicate balance: managing chronic airway obstruction in a neurosurgical patient. Stephens GJ, et al. **Am J Nurs** 75(9):1492–7, Sep 75
Preoperative nursing intervention with the patient for surgery: outcomes of three alternative approaches. Felton G, et al. **Int J Nurs Stud** 13(2):83–96, 1976
The impact of surgery on body image. Gruendemann BJ. **Nurs Clin North Am** 10(4):635–43, Dec 75
Nursing care study: bilateral cervical sympathectomy for acrocyanosis. Grima MR. **Nurs Times** 71(47):1850–2, 20 Nov 75
Nursing care study. 'Acute abdomen'. Quinn SJ.
Nurs Times 72(4):135–6, 29 Jan 76
Nursing care study: hysterectomy. Stokes W. **Nurs Times** 72(3):100–2, 22 Jan 76
Editorial: Neurosurgical nursing. Bucy PC. **Surg Neurol** 6(2):61, Aug 76

EDUCATION

[Special training of surgical ward nurses] Timofeev VK.
Voen Med Zh (7):13–4, Jul 75 **(Rus)**

SURGICAL REPLANTATION see **REIMPLANTATION**

SURGICAL STAPLERS

Restoration of the alimentary tract after total gastrectomy using autosuture staplers. Doherty C, et al. **Am J Surg** 131(5):629–32, May 76
Automatic staple suturing for gastrointestinal surgery. Latimer RG, et al. **Am J Surg** 130(6):766–71, Dec 75
Use of the stapler in skin closure. Thompson DP, et al.
Am J Surg 132(1):136–7, Jul 76
Sternal staple: simple and rapid device for closure of median sternotomy. Al-Naaman YD, et al. **Ann Thorac Surg** 21(2):170–1, Feb 76
Use of Auto Sutures in gastrointestinal surgery. Hardin WJ.
Tex Med 72(2):71–4, Feb 76
Microclip application in tympanoplasty. Williams JD.
Trans Pac Coast Otoophthalmol Soc 56:167–74, 1975
A comparison of staples and nylon closure in varicose vein surgery. Lennihan R, et al. **Vasc Surg** 9(4):200–3, Sep–Oct 75
[Colorectal reconstruction after the Hartmann operation, by a simplified Duhamel technique using the GIA American stapler (author's transl)] Otte JB, et al. **Acta Chir Belg** 74(2):142–8, Mar 75 (Eng. Abstr.) **(Fre)**
[Bronchial stapling. Review of 76 pulmonary resections (author's transl)] Vanderhoeft P, et al. **Acta Chir Belg** 74(2):149–52, Mar 75 (Eng. Abstr.) **(Fre)**
[Resection and anastomosis of the supra–cardial oesophagus using a PKS 25 or SPTU 26 apparatus for rupture of oesophageal varices (author's transl)] Vankemmel M.
Ann Chir 30(3):187–92, Mar 76 (Eng. Abstr.) **(Fre)**
[Termino–terminal intestinal anastomosis by mechanical suture] Gautier–Benoit C. **Nouv Presse Med** 5(26):1639–40, 26 Jun 76 **(Fre)**
[Surgical experience with 100 machine suture closures and anastomoses on the duodenum] Rinecker H. **Chirurg** 46(9):416–20, Sep 75 **(Ger)**
[Use of the KZ–sewing machine in rectal surgery] Németh L, et al. **Zentralbl Chir** 101(13):815–7, 1976 **(Ger)**
[The role of the Roux stapler in modern surgery] Gergely M, et al. **Orv Hetil** 117(5):259–66, 1 Feb 76 (94 ref.) **(Hun)**
[Comparative clinical and experimental study of intestinal sutures in a single layer using one colorless and one green polyglycolic acid thread] Rosenberg D, et al.
Rev Paul Med 85(3–4):59–65, Mar–Apr 75 (Eng. Abstr.) **(Por)**
[Bronchial, vascular and costal, parenchymatous mechanical metallic suturing with the UKL, UKS and SGR instruments] Ivancenco O, et al. **Rev Chir [Chir]** 24(2):91–3, Mar–Apr 75 **(Rum)**
[Staple–adhesive closure of the bronchial stump in resection of the irradiated lung] Khodkevich BS.
Med Radiol (Mosk) 21(3):42–5, Mar 76 (Eng. Abstr.) **(Rus)**
[Staple–adhesive closure of bronchial stump in resection of irradiated lung] Khodkevich BS. **Med Radiol (Mosk)** 21(3):42–5, Mar 76 (Eng. Abstr.) **(Rus)**
[Use of a mechanical suture in operations on the liver and the biliary tract] Vinogradov VV, et al. **Vestn Khir** 114(4):40–4, Apr 75 (Eng. Abstr.) **(Rus)**
[The use of polyglycolic acid sutures in the gyneco–obstetric patient] Esperanza Aguilar R, et al.
Ginecol Obstet Mex 38(225):41–6, Jul 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Bleeding from stapler anastomosis. Fischer MG.
Am J Surg 131(6):745–7, Jun 76
The effect of metal clips on the tensile properties of healing skin wounds. Harrison ID, et al. **Br J Surg** 62(12):945–9, Dec 75

SURGICAL WOUND DEHISCENCE

Uninfected anastomotic false aneurysms following arterial reconstruction with prosthetic grafts. Read RC, et al.
J Cardiovasc Surg (Torino) 16(5):558–61, Sep–Oct 75
Letter: Neostigmine after bowel surgery. Brodsky JB.
Lancet 2(7882):729, 21 Sep 74
[Late disunions of anastomoses after arterial prosthetic bypass] Sautot J, et al. **Chirurgie** 102(6):412–5, Jun 76 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Incidence of incisional hernai after dehiscence of the abdominal wound. Grace RH, et al. **Am J Surg** 131(2):210–2, Feb 76 (Eng. Abstr.)
Esophagocolic anastomotic stricture repaired twelve years after original interposition. Ludington LG, et al. **Chest** 70(1):78–9, Jul 76
Pseudoaneurysm following axillo–femoral by–pass: unusual presentation. Graziano JL, et al. **Vasc Surg** 9(4):195–9, Sep–Oct 75
[Cicatricial separation after cesarean section in women giving birth spontaneously] Mishev D. **Akush Ginekol (Sofiia)** 14(6):462–6, 1975 (Eng. Abstr.) **(Bul)**
[Round table on the external postoperative fistulas of the abdominal section of the digestive tract (author's transl)]
Ann Chir 30(6):453–95, Jun 76 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[A clinical–radiological investigation concerning the accuracy of diatrizoate (Gastrografin) in the demonstration of anastomosis dehiscence and perforation of the gastro–intestinal tract (author's transl)] Riedl P, et al.
Fortschr Geb Roentgenstr Nuklearmed 124(1):48–51, Jan 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Wound dehiscence after cholecystectomy and salmonella infection. Saik RP. **Am Surg** 42(5):350–1, May 76
Trauma causing separation of gastric wall and peritoneum in healed gastrostomy. Sanders GB, et al. **Am Surg** 42(8):579–80, Aug 76
[Importance of mechanical factors in the development of abdomial wound dehiscence. Tensile strength of the human and animal fascia with regard to various suture–materials] Tauber R, et al. **Zentralbl Chir** 100(19):1178–82, 1975 **(Ger)**
[Incompetence of duodenal stump sutures after stomach resection in ulcer disease] Sverdlov VB. **Vestn Khir** 114(1):132–5, Jan 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Abdominal wound disruption. Baggish MS, et al.
Obstet Gynecol 46(5):530–4, Nov 75

PREVENTION & CONTROL

A new kind of 'deep retention suture'. Faxén A, et al.
Acta Chir Scand 142(1):13–4, 1976
Polyglycolic acid (Dexon) versus silk for fascial closure of abdominal incisions. Kronborg O. **Acta Chir Scand** 142(1):9–12, 1976
Enzyme inhibition in colorectal surgery. Delaney P, et al.
Br J Surg 63(1):23–4, Jan 76
A controlled clinical trial of three methods of closure of laparotomy wounds. Goligher JC, et al. **Br J Surg** 62(10):823–9, Oct 75
Letter: Rebound effect of hyoscine butlybromide on postoperative bowel contractions Fry EN, et al.
Br Med J 1(6010):646–7, 13 Mar 76
Letter: Rebound effect of hyoscine butylbromide on postoperative bowel contractions. Fry EN, et al.
Br Med J 1(6010):646–7, 13Mar 76
Editorial: The anastomosis should be made without tension. Gerber A. **Surg Gynecol Obstet** 142(1):75–6, Jan 76
Retention suture technique using buttons. Goldbach M, et al. **Surg Gynecol Obstet** 141(6):931–2, Dec 75
[Letter: Prevention of abdominal eviscerations] Mousseau M, et al. **Nouv Presse Med** 4(22):1655–6, 31 May 75 **(Fre)**
[Morphological and enzymatic studies of the supratumoral distended colonic loop in colorectal cancers (therapeutic aspects)] Stoica T, et al. **Rev Chir [Chir]** 24(5):353–9, Sep–Oct 75 (Eng. Abstr.) **(Rum)**
[Prevention of surgical wound dehiscence of duodenal stump after stomach resection] Spivak VP. **Klin Khir** (9):41–3, 1975 **(Rus)**
[Role of parenteral feeding of oncological patients in suture incompetence of the anastomosis] Sudzhian AV, et al.
Vopr Onkol 21(9):46–52, 1975 (Eng. Abstr.) **(Rus)**

SURGERY

Letter: Nylon sutures in keratoplasty wound separations. Dreps LE. **Am J Ophthalmol** 81(3):366–7, Mar 76
Repair of massive septic abdominal wall defects with Marlex mesh. Gilsdorf RB, et al. **Am J Surg** 130(6):634–8, Dec 75
[A surgical method for treatment of postoperative hernias and eventrations at the linea alba] Shopov N.
Khirurgiia (Sofiia) 28(4):387–9, 1975 **(Bul)**
[The treatment of large abdominal incisional hernias using corium plastic] Eboe M. **Chirurg** 46(8):385–6, Aug 75 **(Ger)**
[Free grafts in the treatment of big incisional abdominal hernias] Mellin HE, et al. **Med Welt** 26(49):2219–21, 5 Dec 75 **(Ger)**

THERAPY

[Use of coallgenous implant in dermatology] Teixeira LA, et al. **Med Cutan Iber Lat Am** 2(6):477–80, 1974 (Eng. Abstr.) **(Por)**

SURGICAL WOUND INFECTION

Endophthalmitis following cataract extraction. A study of 24 cases in 4,498 operations. Fahmy JA.
Acta Ophthalmol (Kbh) 53(4):522–36, Sep 75
Infection following total hip replacement in a general hospital without special orthopaedic facilities. Benson MK, et al.
Acta Orthop Scand 46(6):968–78, Dec 75

Postoperative wound infection after implant and removal of osteosynthetic material. Raahave D. **Acta Orthop Scand** 47(1):28–35, Feb 76

Clinical aspects of anaerobic infections in the surgical patient. Nichols RL, et al. **Am J Med Technol** 41(11):431–6, Nov 75

Experimental evaluation of primary repair of colonic injuries. Matolo NM, et al. **Arch Surg** 111(1):78–80, Jan 76

Clostridial infection in total hip joint replacement: a report of two cases. Rush JH. **Aust NZ J Surg** 46(1):45–8, Feb 76

Anaesthesia and postoperative care for organ transplantation: infection and rejection in lung transplantation. pp. 379–81. Mason SA.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

An overview of surgical infections. O'Neill JA Jr.
J Tenn Med Assoc 68(12):969–72, Dec 75

Surgical wound infections. **JPMA** 25(1):1–2, Jan 75

Surgical wound infections. **JPMA** 25(1):1–2, Jan 75

Airborne bacterial contamination of operative wounds. Alexakis PG, et al. **West J Med** 124(5):361–9, May 76

[The closed door of the surgical wound: happy ending or happening?] Vilain R. **Nouv Presse Med** 4(36):2607–8, 25 Oct 75 **(Fre)**

[Infection and cicatrization] Vilain R. **Nouv Presse Med** 4(21):1579–84, 24 May 75 **(Fre)**

[Wound infection in orthopedic interventions] Weickert H, et al. **Beitr Orthop Traumatol** 23(4):223–7, Apr 76 **(Ger)**

[Infections following surgery of hip–dislocation fractures] Frisee H, et al. **Hefte Unfallheilkd** (124):111–2, 1975 **(Ger)**

[Estimation of lipoprotein phagocytosis by intraoperative acquired tissue macrophages in humans] Gassmann AE, et al. **Helv Chir Acta** 43(1–2):161–4, Mar 76 **(Ger)**

[Significance of infection in artificial heart valves and in vessel transplantation] Bücherl ES.
Munch Med Wochenschr 118(21):665–6, 21 May 76 **(Ger)**

[The infected total prosthesis of the hip joint. Clinical symptoms] Reichelt A, et al. **Munch Med Wochenschr** 118(22):701–2, 28 May 76 **(Ger)**

[Infection analysis in pyeloplasty with special reference to endoprosthesis] Meridies R, et al. **Urologe [A]** 15(3):128–30, May 76 (Eng. Abstr.) **(Ger)**

[Infected endoprosthesis of the hip – an actuel problem (author's transl)] Plaue R, et al. **Z Orthop** 113(6):965–73, Dec 75 (Eng. Abstr.) **(Ger)**

[Infection of surgical wounds with Clostridium] Juvara I, et al. **Rev Chir [Chir]** 23(8):685–94, Sep–Oct 74 (Eng. Abstr.) **(Rum)**

[Sternotomy in operations on the thymus (method prevention and treatment of wound infection)] Gadzhiev SA, et al. **Grudn Khir** (4):92–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Current concepts of the course of the wound process and wound treatment (literature survey)] Fedorov VD, et al. **Khirurgiia (Mosk)** (4):136–41, Apr 75 (78 ref.) **(Rus)**

[Postoperative infection (literature survey)] Plotkina NS. **Khirurgiia (Mosk)** (11):141–8, Nov 75 **(Rus)**

[Course of infection and reparative regeneration in the process of enzyme therapy of suppurative wounds] Gostishchev VK, et al. **Vestn Khir** 116(5):49–52, May 76 **(Rus)**

[Suppurative complications after prosthesis of the abdominal aorta and main arteries] Lytkin MI, et al. **Vestn Khir** 115(7):48–53, Jul 75 (Eng. Abstr.) **(Rus)**

[Prevention and treatment of staphylococcal infections and their complications, in surgical practice with biological products] Prokhorov VM, et al. **Vestn Khir** 116(4):9–13, Apr 76 (Eng. Abstr.) **(Rus)**

[Infectious complications after heart surgery] Radzivil GG, et al. **Vestn Khir** 116(5):58–64, May 76 (Eng. Abstr.) **(Rus)**

[Late infection following open heart surgery] Kužela L, et al. **Rozhl Chir** 55(6):402–5, Jun 76 (Eng. Abstr.) **(Slo)**

[Postoperative synergistic progressive gangrene] Pedragosa R, et al. **Med Cutan Iber Lat Am** 3(6):459–63, 1975 (Eng. Abstr.) **(Spa)**

[Infected synthetic arterial prosthesis] Christenson J, et al. **Lakartidningen** 72(50):4994–7, 10 Dec 75 (Eng. Abstr.) **(Swe)**

BLOOD

[The B.S.R. after total hip–replacement (author's transl)] Reichelt A, et al. **Z Orthop** 113(5):900–3, Oct 75 (Eng. Abstr.) **(Ger)**

[Fibrinogen and acute purulent inflammation] Ermolov AS, et al. **Khirurgiia (Mosk)** (4):46–9, Apr 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Wound dehiscence after cholecystectomy and salmonella infection. Saik RP. **Am Surg** 42(5):350–1, May 76

Mycotic aneurysms in transplant patients. Kyriakides GK, et al. **Arch Surg** 111(4):472–6, Apr 76

A complication of nephrectomy by the supracostal approach. Williams G, et al. **Br J Urol** 48(2):106, Apr 76

[Effect of lung tissue infection occurring near the suture on the development of changes associated with the formation of the scar] Karski JB. **Pol Przegl Chir** 47(7):947–55, Jul 75 (Eng. Abstr.) **(Pol)**

[Aspects of post–extraction bacteremia after use of local anesthesia with or without addition of adrenaline] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):447–50, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

A more reliable gram staining technic for diagnosis of surgical infections. Magee CM, et al. **Am J Surg** 130(3):341–6, Sep 75

Low flow states: differences between trauma and sepsis. Moore FD. **Antibiot Chemother** 21:44–5, 1976

New technique for quantitative bacteriological sampling of wounds by velvet pads: clinical sampling trial. Raahave D. **J Clin Microbiol** 2(4):277–80, Oct 75

[Early bacteriological diagnosis of infections after osteosynthesis (author's transl)] Fasol P, et al.
Zentralbl Bakteriol [Orig A] 232(2–3):227–31, Jul 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Letter: Antibiotics in surgical wound infections. Emslie J, et al. **Br Med J** 3(5983):594, 6 Sep 75

Use of doxycycline in an aerobic surgical infections: an open drug study. Conte AJ, et al. **Curr Ther Res** 18(5):656–68, Nov 75

Gentamicin sulfate in infections associated with surgery or trauma. Cunha BA, et al. **Curr Ther Res** 19(5):529–37, May 76

Clinical experience on tobramycin. pp. 431–6. Ishiyama S, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Parenteral sisomicin for surgical infections. pp. 389–94. Stone HH, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Clinico–pharmacological examination of gentamycin in thoracic surgery. Kiss JI, et al.
Int J Clin Pharmacol Biopharm 12(3):372–80, Oct 75

Antibiotic treatment of biliary sepsis. Keighley MR, et al. **Surg Clin North Am** 55(6):1379–90, Dec 75

[Effectiveness of local and parenteral antibiotics in infection of aortic dacron grafts (author's transl)] Rückert U, et al. **Thoraxchirurgie** 24(1):65–70, Feb 76 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of Dicloxacillin Polfa] Szczygiel B, et al. **Pol Tyg Lek** 30(51):2147–9, 22 Dec 75 (Eng. Abstr.) **(Pol)**

[Macrolide antibiotics for oral intake in the treatment and prevention of suppurative surgical infection] Govorovich EA, et al. **Antibiotiki** 21(4):371–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Use of propolis in the treatment of perineal and anal wounds] Fedorov VD, et al. **Khirurgiia (Mosk)** (12):44–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Perspectives of the use of proteinase inhibitors] Struchkov VI, et al. **Khirurgiia (Mosk)** (5):39–43, May 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Wound infections in clean and potentially contaminated surgery. Importance of bacterial and non–bacterial factors. Bröte L. **Acta Chir Scand** 142(3):191–200, 1976

A case of late pseudomonas ocular infection following scleral buckling. Romem M, et al. **Acta Ophthalmol (Kbh)** 54(4):401–7, Aug 76

Bacterial endophthalmitis following suture removal after penetrating keratoplasty. Forstot SL, et al.
Am J Ophthalmol 80(3 Pt 2):509–12, Sep 75

Delayed and recurring infection in postoperative abdominal wounds. Sampsel JW. **Am J Surg** 132(3):316–9, Sep 76

Intestinal bypass in morbid obesity: long–term metabolic sequelae. Kish GF, et al. **Am Surg** 41(12):786–92, DEC 75

Wound infection in colonic surgery. Fikri E, et al.
Ann Surg 182(6):724–6, Dec 75

Wound infections in renal transplant wounds: pathogenetic and prognostic factors. Kyriakides GK, et al. **Ann Surg** 182(6):770–5, Dec 75

Postsurgical infections (lecture). Altemeier WA.
Antibiot Chemother 21:11–31, 1976

Postsurgical sepsis. A study of 100 cases of septicemia Figuera Aymerich D, et al. **Antibiot Chemother** 21:28–32, 1976

Influence of operating room surface contamination on surgical wounds: a prospective study. Weber DO, et al. **Arch Surg** 111(4):484–8, Apr 76

The influence of two methods of haemostasis on the rate of wound sepsis: a random controlled trial of ligature and diathermy. Arnot RS, et al. **Br J Surg** 62(8):655, Aug 75

Multivariate analysis of clinical and operative findings associated with bilary sepsis. Keighley MR, et al.
Br J Surg 63(7):528–31, Jul 76

Urinary tract infection and wound infection in kidney transplant patients. Walter S, et al. **Br J Urol** 47(5):513–7, Oct 75

Secondarily infected total joint replacements by hematogenous spread. D'Ambrosia RD, et al.
J Bone Joint Surg [Am] 58(4):450–3, Jun 76

Infection of intervertebral discs after operation. El–Gindi S, et al. **J Bone Joint Surg [Br]** 58(1):114–6, Feb 76

Infection of cardiac suture line after ventricular aneurysmectomy. Report of two cases. Looser KG, et al. **J Thorac Cardiovasc Surg** 72(2):280–1, AUG 76

Infection rate of simple suturing. Galvin JR, et al.
JACEP 5(5):332–3, May 76

Letter: Joint infection by Pasteurella multocida. Sugarman M, et al. **Lancet** 2(7947):1267, 20 Dec 75

The role of clean air in wound infection acquired during operation. McLauchlan J, et al. **Surg Gynecol Obstet** 143(1):6–8, Jul 76

Intraoperative bacterial transmission. Moylan JA, et al.
Surg Gynecol Obstet 141(5):731–3, Nov 75

Factors that influence surgical wound infections. Role of prophylactic antibiotic therapy. Meares EM Jr. **Urology** 6(5):535–46, Nov 75 (37 ref.)

Hospital associated infections in surgical patients. Le Frock JL, et al. **W Va Med J** 71(11):311–5, Nov 75

[Postoperative clostridium infection and its differential diagnosis] Ganzoni N, et al. **Helv Chir Acta** 43(1–2):133–5, Mar 76 **(Ger)**

[Suppurative inflammation and necrosis of a uterine surgical wound following cesarean section] Ryć K, et al.
Ginekol Pol 47(5):549–52, May 76 (Eng. Abstr.) **(Pol)**

[Cause of suppurative complications during operations with extracorporeal circulation and their prevention] Sidarenko LN, et al. **Grudn Khir** (1):15–21, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Anaerobic phlegmon of the abdominal wall after appendectomy] Motus Ola, et al. **Vestn Khir** 115(8):127–9, Aug 75 **(Rus)**

[Causes of development of peritonitis after appendectomy] Rodionov VV, et al. **Vestn Khir** 115(12):28–32, Dec 75 (Eng. Abstr.) **(Rus)**

[The infectivity of surgical wounds] Men'shikov DD, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):139–42, May 76 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial surgical intracranial infections. Adams WE, et al. **Va Med Mon** 103(2):127–8, 165, Feb 76

HISTORY

Surgeons and wound management: historical aspects. Wangensteen OH. **Conn Med** 39(9):568–74, Sep 75

IMMUNOLOGY

[Immunity indices under immunotherapy of surgical staphylococcal infection in children] Babii ZM, et al.
Mikrobiol Zh 37(4):476–81, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Proceedings: Collagen metabolism in infected colonic anastomoses. Irvin TT. **Br J Surg** 62(8):659, Aug 75

MICROBIOLOGY

Bacterial flora in relation to cataract extraction. III. Postoperative flora. Fahmy JA, et al.
Acta Ophthalmol (Kbh) 53(5):765–80, Nov 75

Bacteria in hip surgery. A study of routine aerobic and anaerobic cultivation from skin and closed suction wound drains. Lindgren U, et al. **Acta Orthop Scand** 47(3):320–3, Jun 76

Potentiation of wound infection by surgical drains. Magee C, et al. **Am J Surg** 131(5):547–9, May 76

Most frequent microorganisms as a cause of surgical sepsis. Alés Reinlein JM. **Antibiot Chemother** 21:22–7, 1976

Median sternotomy wound infection and anterior mediastinitis caused by bacteroides fragilis. Cerat GA, et al. **Chest** 69(2):231–2, Feb 76

One scalpel for major surgical procedures. A bacteriologic study. Cooperman AM, et al. **Cleve Clin Q** 42(2):193–6, Summer 75

Role of hospital infection in postoperative wound sepsis—a sequential study of postoperative wounds. Sengupta SR, et al. **Indian J Med Sci** 29(1):16–8, Jan 75

Wound infection by Prototheca wickerhamii, a saprophytic alga pathogenic for man. Lee WS, et al.
J Clin Microbiol 2(1):62–6, Jul 75

Letter: Prophylactic use of gentamicin in colonic and rectal surgery. Burton R. **Med J Aust** 2(22):846, 29 Nov 75

Bacterial density in laparotomy wounds during gastro–instestinal operations. Raahave D.
Scand J Gastroenterol [Suppl] 11(37):135–42, 1976

Role of the endogenous gastrointestinal microflora in postoperative wound sepsis. Nichols RL, et al.
Surg Annu 7:279–93, 1975 (35 ref.)

Biology of surgical infection. Krizek TJ, et al.
Surg Clin North Am 55(6):1261–7, Dec 75

Septic complications following gastric surgery: relationship to the endogenous gastric microflora. Nichols RL, et al.
Surg Clin North Am 55(6):1367–72, Dec 75

Accelerated healing in infected wounds. Tenorio A, et al.
Surg Gynecol Obstet 142(4):537–43, Apr 76

Anaerobic infections in surgery: clinical review. Anderson CB, et al. **Surgery** 79(3):313–24, Mar 76

[Epidemiology of pathogens from colpitis and infections following gynecologic surgery] Decker K, et al.
Arch Gynaekol 219(1–4):560–1, 18 Nov 75 **(Ger)**

[Healing process of colonic anastomosis after contamination with Staphylococcus aureus (author's transl)] Langer S, et al. **Langenbecks Arch Chir** 341(1):1–9, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Editorial: Bacteroides: importance in contaminations of the surgical patient] Katz S, et al. **Harefuah** 89(7):335–6, 1 Oct

75 (Heb)
[Clinico-bacteriological aspects of hospital complications of postoperative wounds in a urological clinic] Mokhort VA, et al. **Urol Nefrol (Mosk)** (6):28-31, Nov-Dec 75 (Eng. Abstr.) (Rus)
[Editorial: Surgical infections. The bacterial universe] Mendoza Hernández P. **Gac Med Mex** 110(6):385-8, Dec 75 (Spa)
[Vaginal flora and its role in postcesarean infection] Schulz R, et al. **Rev Chil Obstet Ginecol** 38(2):84-90, 1973 (Spa)
[Candida albicans septicemia in surgery] Longo O, et al. **Rev Esp Enferm Apar Dig** 47(4):465-70, Apr 76 (Spa)
[Postoperative infections of surgical wounds--a bacteriological and epidemiological study] Bröte L, et al. **Lakartidningen** 73(19):1815-9, 5 May 76 (Eng. Abstr.) (Swe)

NURSING

Managment of the patient with an infected total hip arthroplasty. Sculco CD, et al. **Am J Nurs** 76(4):584-7, Apr 76

OCCURRENCE

Wound infections in general surgery. Wound contamination, rates of infection and some consequences. Bröte L, et al. **Acta Chir Scand** 142(2):99-106, 1976
Wound infection in a children's hospital. Doig CM, et al. **Br J Surg** 63(8):647-50, Aug 76
Endemic infection in surgical wards. Berbee GA, et al. **J Hyg (Camb)** 75(2):185-94, Oct 75
Surgical wound infection in a developing country-Papua New Guinea. Gray FJ. **Papua New Guinea Med J** 17(4):373-8, Dec 74
Wound infections in general surgery with special reference to the occurrence of Staphylococcus aureus. Bróte L, et al. **Scand J Infect Dis** 8(2):89-97, 1976
Incidence of wound infection on the surgical services. Cruse PJ. **Surg Clin North Am** 55(6):1269-75, Dec 75
[Incidence and causes of wound healing disorders following obstetric and gynecologic surgery] Ardelt W, et al. **Arch Gynaekol** 219(1-4):562-3, 18 Nov 75 (Ger)
[Infections of autologous bone transplants after reconstruction of lower jaw defects] Höltje WJ, et al. **Fortschr Kiefer Gesichtschir** 20:32-5, 1976 (Ger)
[Rate of infection following surgery for total endoprosthesis of the hip joint in an orthopedic hospital without a sterile box (author's transl)] Vogt KH, et al. **Z Orthop** 114(3):350-4, Jun 76 (Eng. Abstr.) (Ger)
[Bacteroides infection in surgical patients (author's transl)] Nowak W, et al. **Zentralbl Chir** 101(13):788-92, 1976 (Eng. Abstr.) (Ger)
[Infectious complications of primary osteosynthesis in aged patients] András G, et al. **Magy Traumatol Orthop** 18(4):286-91, 1975 (Hun)
[Infection in bone surgery] Letic S. **Magy Traumatol Orthop** 18(3):167-71, 1975 (Hun)
[Absence of bacteremia after dental extractions] Navarrete F, et al. **Bol Med Hosp Infant Mex** 33(1):227-31, Jan-Feb 76 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Prophylactic cephalothin in gastrointestinal surgery. Bröte L, et al. **Acta Chir Scand** 142(3):238-45, 1976
The in vitro elution of gentamicin sulphate from methylmethacrylate bone cement. A comparative study. Holm NJ, et al. **Acta Orthop Scand** 47(2):144-8, Apr 76
The value of prophylactic antibiotics after vaginal hysterectomy. Boyd ME, et al. **Am J Obstet Gynecol** 125(5):581-5, 1 Jul 76
Impact of cephalosporin prophylaxis on conization-vaginal hysterectomy morbidity. Forney JP, et al. **Am J Obstet Gynecol** (1):100-3, 1 May 76
Bacteriologic effects of prophylactic antibiotics in cesarean section. Gibbs RS, et al. **Am J Obstet Gynecol** 126(2):226-9, 15Sep 76
Prophylactic antibiotics for vaginal surgery: a historical addendum. Thomsen RJ. **Am J Obstet Gynecol** 125(2):270-1, 15 May 76
Effects of prophylactic antibiotics on colonic healing. LeVeen HH, et al. **Am J Surg** 131(1):47-53, Jan 76
A comparison of dicloxacillin and ampicillin in the antibiotic prophylaxis of total hip replacement. Visuri T, et al. **Ann Chir Gynaecol Fenn** 65(1):58-61, 1976
The plastic surgical adhesive drape: an evaluation of its efficacy as a microbial barrier. French ML, et al. **Ann Surg** 184(1):46-50, Jul 76
Prevention of sepsis. Antiseptics. Calnan JS. **Antibiot Chemother** 21:33-9, 1976
Correct surgical procedure. Durán Sacristán H, et al. **Antibiot Chemother** 21:40-3, 1976
Antibiotic prophylaxis in allo-arthroplastic hip joint surgery. Concentration assays in the wound exudate after parenteral administration of gentamicin. Reichelt A, et al. **Arch Orthop Unfallchir** 84(2):249-55, 26 Mar 76
Topical ampicillin-cloxacillin in the prevention of abdominal wound sepsis. Jensen MJ, et al. **Br J Clin Pract** 29(5):115-8, May 75
Proceedings: Duration of prophylactic antibiotic cover against anaerobic sepsis in bowel surgery. Downing R, et al. **Br J Surg** 63(8):664-5, Aug 76
Prophylactic interparietal povidone-iodine in abdominal surgery. Gilmore OJ, et al. **Br J Surg** 62(10):792-9, Oct 75
A controlled clinical trial of three methods of closure of laparotomy wounds. Goligher JC, et al. **Br J Surg** 62(10):823-9, Oct 75
Proceedings: Multivariate analysis of clinical and operative findings associated with biliary sepsis. Keighley MR, et al. **Br J Surg** 62(8):658-9, Aug 75
Prophylaxis against anaerobic sepsis in bowel surgery. Keighley MR, et al. **Br J Surg** 63(7):538-41, Jul 76
Effect of plastic skin and wound drapes on the density of bacteria in operation wounds. Raahave D. **Br J Surg** 63(6):421-6, Jun 76
Assessment of wound contamination during surgery: a preliminary report comparing vertical laminar flow and conventional theatre systems. Sanderson MC, et al. **Br J Surg** 63(6):431-2, Jun 76
Letter: Metronidazole in appendicitis. **Br Med J** 1(6008):520-1, 28 Feb 76
Letter: Antibiotic policy. Pollock AV, et al. **Br Med J** 3(5980):436, 16 Aug 75
Metronidazole in prevention and treatment of bacteroides infections after appendicectomy. Willis AT, et al. **Br Med J** 1(6005):318-21, 7 Feb 76
Delayed primary closure of the skin and subcutaneous tissue in abdominal surgery. McLachlin AD, et al. **Can J Surg** 19(1):37-40, Jan 76
Delayed primary closure in colon operations. Paul ME, et al. **Can J Surg** 19(1):33-6, Jan 76
Antibiotic bone penetration. Concentrations of methicillin and clindamycin phosphate in human bone taken during total hip replacement. Schurman DJ, et al. **Clin Orthop** (111):142-6, Sep 75
Clinical effectiveness of intravenous doxycycline: treatment and prevention of surgical infections of the gastrointestinal tract. Marks G, et al. **Curr Ther Res** 18(3):460-5, Sep 75
Antibiotic administration in surgical patients at increased risk of infection: a comparison of carbenicillin and cephalothin. Scher SM. **Curr Ther Res** 18(3):452-9, Sep 75
Systemic antibiotic prophylaxis in surgical patients. Hughes ES, et al. **Drugs** 10(5-6):333-5, 1975
Prevention of wound sepsis in joint replacement surgery. Fitzgerald RH Jr. **Geriatrics** 31(4):81-5, Apr 76
Proceedings: Prophylactic oral antimicrobial agents in elective colon surgery: a prospective controlled clinical trial. Goldring J, et al. **Gut** 16(10):824, Oct 75
Experimental system for the control of surgically induced infections. Skidmore RA. **Hum Factors** 17(2):132-8, Apr 75
Prophylaxis with antibiotics in orthopaedic and traumatologic surgical interventions. pp. 25-9. Buchholz HW.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.
Clindamycin prophylaxis in appendicectomy wound infections. pp. 287-93. Okubadejo OA, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.
The prophylactic use of anti-microbial agents in the surgery of the intestine. pp. 15-23. Roy D.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.
Gentamicin in alloarthroplastic operations; clinical and experimental results. pp. 189-93. Wahlig H, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.
The use of prophylactic cephalothin in women undergoing emergency cesarean section. pp. 283-6. Work B, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.
The role of wound irrigation in the prevention of postoperative wound infection. Abraham MI, et al. **J Am Osteopath Assoc** 75(1):27-30, Sep 75
An evaluation of metronidazole in the prophylaxis and treatment of anaerobic infections in surgical patients. **J Antimicrob Chemother** 1(4):393-41, Dec 75
Preventing casualty wound infection. Chisholm GD. **J Antimicrob Chemother** 2(2):109-10, Jun 76
Penetration into inflammatory exudate and wounds of two cephalosporins for the prevention of surgical infections. Ellis BW, et al. **J Antimicrob Chemother** 1(3):291-6, Sep 75
The prophylaxis of surgical wound sepis with cephaloridine-experiences in 2491 general surgical operations and reporting a controlled clinical trial against framycetin. Pollock AV, et al. **J Antimicrob Chemother** 1(3 Suppl):71-83, 1975
Total hip replacement without deep infection in a standard operating room. Collis DK, et al. **J Bone Joint Surg [Am]** 58(4):446-50, Jun 76
Prevention of infection in the treatment of one thousand and twenty-five open fractures of long bones: retrospective and prospective analyses. Gustilo RB, et al. **J Bone Joint Surg [Am]** 58(4):453-8, Jun 76
Maintenance of aseptic barriers in the conventional operating room: general principles. Schonholtz GJ. **J Bone Joint Surg [Am]** 58(4):430-45, Jun 76
The use of chlorhexidine mouthwash compared with a periodontal dressing following the gingivectomy procedure. Addy M, et al. **J Clin Periodontol** 3(1):59-65, Feb 76
Wound infection following laryngectomy. The effect of topical ampicillin and carbenicillin. Robinson JM. **J Laryngol Otol** 90(5):415-25, May 76
Prophylactic antibiotics and wound infections following laminectomy for lumber disc herniation. Horwitz NH, et al. **J Neurosurg** 43(6):727-31, Dec 75
Cephalothin prophylaxis assay during cardiopulmonary bypass. Williams DJ, et al. **J Thorac Cardiovasc Surg** 71(2):207-11, Feb 76
Editorial: Prophylactic povidone iodine. **Lancet** 1(7950):73-4, 10 Jan 76
Controlled trial of prophylactic antibiotics in minor wounds requiring suture. Day TK. **Lancet** 2(7946):1174-6, 13 Dec 75
Prophylactic oral antimicrobial agents in elective colonic surgery. A controlled trial. Goldring J, et al. **Lancet** 2(7943):997-1000, 22 Nov 75
Single-dose peroperative antibiotic prophylaxis in gastrointestinal surgery. Griffiths DA, et al. **Lancet** 2(7981):325-8, 14 Aug 76
Letter: Antibiotics and wound sutures. Hardy RH. **Lancet** 1(7954):316, 7 Feb 76
Letter: Preparation for colonic surgery. Irvin TT. **Lancet** 2(7945):1150, 6 Dec 75
Editorial: Prophylactic antibiotics in abdominal surgery. **Med J Aust** 2(15):584-5, 11 Oct 75
Prophylactic use of gentamicin in colonic and rectal surgery. Burton RC, et al. **Med J Aust** 2(15):597-9, 11 Oct 75
Letter: Prophylactic antibiotics in abdominal surgery. Rich GE, et al. **Med J Aust** 2(24):918, 13 Dec 75
The use of an antibiotic bone cement combination as a different approach to the elimination of infection in total hip replacement. Medcraft JW, et al. **Med Lab Technol** 31(4):347-53, Oct 74
Editorial: Lister revisited: surgical antisepsis and asepsis. Maki DG. **N Engl J Med** 294(23):1286-7, 3 Jun 76
Prophylactic antibodies in hysterectomy. Clement JE. **NC Med J** 36(9):542-3, Sep 75
Controlling operating room-related infection in cancer patients. Connell AD. **Nurs Clin North Am** 10(4):667-78, Dec 75
Preventive antibiotics in surgery. Burke JF. **Postgrad Med** 58(3):65-8, Sep 75
Influence of prophylaxis against bacteroides on incidence of sepsis after large-bowel surgery. Keighley MR, et al. **Proc R Soc Med** 68(10):667-8, Oct 75
Local measures in the prevention of wound infections: trials with cephaloridine and two methods of haemostasis. Pollock AV. **Proc R Soc Med** 69(5):329-30, May 76
Penetration of penicillin into laparotomy wounds to reduce bacterial contamination during intestinal operations. Raahave D. **Scand J Gastroenterol [Suppl]** 11(37):129-34, 1976
Short-term prophylaxis with tobramycin and lincomycin in bowel surgery. Keighley MR, et al. **Scott Med J** 21(2):70-2, Apr 76
Editorial: Prevention and treatment of infection of prosthetic valves. Williams TW, et al. **South Med J** 69(1):3-5, Jan 76
Rational use of prophylactic antibiotics in gastrointestinal surgery. Condon RE. **Surg Clin North Am** 55(6):1309-18, Dec 75
The present position of the neomycin-erythromycin bowal prep. Condon RE, et al. **Surg Clin North Am** 55(6):1331-4, Dec 75
Influence of operating room conduct on wound infections. Dineen P. **Surg Clin North Am** 55(6):1283-7, Dec 75
Preoperative preparation of the patients with carcinoma of the colon. Farmer RG. **Surg Clin North Am** 55(6):1335-41, Dec 75
Experimental evaluation of 'instant' preparation of the colon with povidone-iodine. Jones FE, et al. **Surg Clin North Am** 55(6):1343-8, Dec 75
Preoperative neomycin-tetracycline preparation of the colon for elective operations. Judd ES. **Surg Clin North Am** 55(6):1325-30, Dec 75
The value of a nurse epidemiologist in the control of surgical infection. Polk HC Jr. **Surg Clin North Am** 55(6):1277-82, Dec 75
The problem of infection in total prosthetic arthroplasty of the hip. Wilson PD Jr, et al. **Surg Clin North Am** 55(6):1431-7, Dec 75
Infection control in cardiac surgery. Clark RE, et al. **Surgery** 79(1):89-96, Jan 76
The futility of retrospective study. MacCamy ET. **Trans Pac Coast Obstet Gynecol Soc** 42:86-91, 1975
Proceedings: Effect of pre-operative antibiotic regimen on development of infection after intestinal surgery. Nwako F. **West Afr J Pharmacol Drug Res** 2(1):75P, Jun 75
[Gas gangrene. Value of preventive treatment (apropos of 19 cases)] Baron D, et al. **Anesth Analg (Paris)** 32(5):725-35, Sep-Oct 75 (Fre)
[Preventive antibiotic therapy during osteosynthesis in aged alcoholics] Papathéodossiou N. **Rev Med Suisse Romande** 96(7):549-56, Jul 76 (Fre)
[Perioperative antibiotic prevention in cesarean section] Decker K, et al. **Arch Gynaekol** 219(1-4):488-9, 18 Nov 75 (Ger)
[Perioperative antibiotic prevention in abdominal and vaginal hysterectomy] Herbst S, et al. **Arch Gynaekol** 219(1-4):561-2, 18 Nov 75 (Ger)
[Development and prevention of postoperative infections from the bacteriologic viewpoint] Kanz E. **Arch Gynaekol** 219(1-4):527-8, 18 Nov 75 (Ger)
[Positioning of the surgical team in clean air with laminar horizontal flow (tunnel) (author's transl)] Schnitzler M.

Arch Orthop Unfallchir 83(1):123–7, 4 Sep 75 (Eng. Abstr.) **(Ger)**

[Primary healing of intraoral bone defects under the effect of local and general antibacterial prophylaxis] Handtmann S, et al. **Dtsch Zahnaerztl Z** 31(7):566–70, Jul 76 (Eng. Abstr.) **(Ger)**

[Prophylactic inhibition of bacterial fibrinolysis in the management of wounds—thrombelastographic studies] Schulte VW, et al. **Dtsch Zahnaerztl Z** 31(2):102, Feb 76 **(Ger)**

[Comparative bacteriological examinations of sterile boxes and conventional ventilated operating rooms during sham surgery] Hell K, et al. **Helv Chir Acta** 43(1–2):157–60, Mar 76 **(Ger)**

[Infectious complications following heart surgery in childhood. Is the preventive use of antibiotics in heart surgery of children justifiable?] Daschner F, et al. **Med Welt** 26(37):1689, 12 Sep 75 **(Ger)**

[Immunologic aspects to the prevention of infection cardiac surgery (author's transl)] Gierhake FW, et al. **Thoraxchirurgie** 23(4):417–22, Aug 75 (Eng. Abstr.) **(Ger)**

[An antibiotic additive to polymethylmethacrylate in postoperative infection prophylaxis (author's transl)] Sattel W, et al. **Unfallheilkunde** 79(5):221–6, May 76 (Eng. Abstr.) **(Ger)**

[Investigations on the prophylaxis of wound infection by the topical application of a combination of polymyxin–b, bacitracin and neomycin (polybactrin spray) (author's transl)] Schima E. **Wien Klin Wochenschr** 88(12):397–8, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[The prevention of infection for transplantation of frozen allogeneic joints (author's transl)] Thomas G, et al. **Z Orthop** 114(1):104–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Secondary healing and antibiotic prevention in aseptic orthopedic operations] Reichel F. **Zentralbl Chir** 101(6):339–47, 1976 **(Ger)**

[Prevention with antibiotics in cesarean section] Fuhrmann K, et al. **Zentralbl Gynaekol** 98(11):690–3, 1976 (Eng. Abstr.) **(Ger)**

[Topical ampicilin and local infectious complications in oncological surgery] Bozzetti F, et al. **Tumori** 61(5):425–32, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of diffusion of sodium cephalothin into blood stream following administration into pelvic dead space (author's transl)] Kozuka Y, et al. **Jpn J Antibiot** 28(5):684–6, Oct 75 **(Jpn)**

[Clinical evaluation of intraperitoneal administration of sodium cephalothin (authors transl)] Okamoto M, et al. **Jpn J Antibiot** 28(4):634–7, Aug 75 **(Jpn)**

[Chlorhexidine—a colored 0.5 solution in 70% alcohol as aerosol of Polish production] Szczygiel B, et al. **Pol Przegl Chir** 47(11):1305–10, Nov 75 (Eng. Abstr.) **(Pol)**

[Protection of the operating field in thoracic surgery using membrane-forming spray dressing] Metera A. **Polim Med** 5(2):115–7, 1975 (Eng. Abstr.) **(Pol)**

[Use of Plastubol as the exclusive dressing of surgical wounds] Rawa M, et al. **Polim Med** 5(2):119–21, 1975 (Eng. Abstr.) **(Pol)**

[5–year experience with the use of a disinfectant, pervomur, for fast treatment of surgeon's hands] Tavelev IuV. **Akush Ginekol (Mosk)** (8):71, Aug 75 **(Rus)**

[Antitoxic effect of proteolytic enzymes used in surgery] Gostishev VK, et al. **Eksp Khir Anesteziol** (3):50–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Prevention of postoperative suppurative complications by intensive therapy] Guseva EV, et al. **Khirurgiia (Mosk)** (11):21–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Gas sterilization method in a surgical clinic] Osipov VP, et al. **Khirurgiia (Mosk)** (4):42–6, Apr 75 **(Rus)**

[Use of pervomur in pediatric surgical clinic] Bilich GL, et al. **Klin Khir** (2):52–3, 1975 **(Rus)**

[Prevention of suppuration during initial surgical debridement of open fractures] Tkachenko SS, et al. **Ortop Travmatol Protez** (6):8–11, Jun 75 (Eng. Abstr.) **(Rus)**

[Study of the antibacterial activity of ftorlon threads] Plotkina NS, et al. **Polim Med** 5(3):213–21, 1975 (Eng. Abstr.) **(Rus)**

[Antibacterial properties of surface-active agents and their application in surgery (review of foreign literature)] Afinogenov GE, et al. **Vestn Khir** 114(9):131–4, Sep 75 (95 ref.) **(Rus)**

[Comparative evaluation of open and closed methods of wound treatment after surgical therapy of paronychia under polyclinic conditions] Antonov AM, et al. **Vestn Khir** 115(11):142–5, Nov 75 **(Rus)**

[Pyosurgery departments in a multiprofile pediatric–surgery hospital] Misharev OS, et al. **Vestn Khir** 115(12):96–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Operating booths improve operation room standard] Strindehag O. **Lakartidningen** 72(42):4035–6, 15 Oct 75 (Eng. Abstr.) **(Swe)**

SURGERY

Repair of massive septic abdominal wall defects with Marlex mesh. Gilsdorf RB, et al. **Am J Surg** 130(6):634–8, Dec 75

Technique for removing entrapped Penrose drains. Redman JF, et al. **Urology** 6(3):371, Sep 75

[Infectious problems in reoperations in abdominal surgery. Apropos of 104 operations] Dubouloz F, et al. **Ann Anesthesiol Fr** 16(4):284–8, Jul 75 (Eng. Abstr.) **(Fre)**

[Calcaneal resections of post–traumatically infected calcanei] Schönbauer HR. **Hefte Unfallheilkd** (121):341–2, 1975 **(Ger)**

THERAPY

Treatment of deep wound infection after total hip arthroplasty. pp. 123–31. Murray WR.
In: Symposium on Osteoarthritis. St. Louis, Mosby, 1976. WE 348 S989s 1974.

Treatment of infected cardiac pacemaker site with closed irrigation. Report of case and subject review. Contarini O, et al. **J Fla Med Assoc** 63(5):349–50, May 76

Infections in joint replacement surgery. Savastano AA. **RI Med J** 59(1):19–22, 30–1, Jan 76

Management of infected vascular prostheses. Bernhard VM. **Surg Clin North Am** 55(6):1411–7, Dec 75

[Local gnotobiological isolation in treatment of infected wounds] Isakov IuF, et al. **Vestn Khir** 116(5):53–8, May 76 **(Rus)**

[Use of biological antiseptic tampon (BAT) for treatment of infected wounds and fistulas after abdominal surgery] Rebeko VIa. **Vestn Khir** 116(4):22–4, Apr 76 (Eng. Abstr.) **(Rus)**

VETERINARY

Epizootic staphylococcal infections in subhuman primates after surgical operation. Blouse LE, et al. **Am J Vet Res** 37(6):731–3, Jun 76

SURGICENTERS see under **HOSPITALS, SPECIAL**

SURITAL see **THIAMYLAL**

SURVIVAL

Coping behaviour: correlates of survival on a raft. Henderson AS, et al. **Aust NZ J Psychiatry** 9(4):221–3, Dec 75

Letter: On surviving a bivouac at high altitude. Clarke C. **Br Med J** 1(6001):92–3, 10 Jan 76

The influence of foster nursing on the survival and immunologic competence of mice and rats. Silvers WK, et al. **J Immunol** 115(4):1117–21, Oct 75

Letter: Survival after drowning. Wind J. **Lancet** 2(7936):656–7, 4 Oct 75

SUSPENSIONS

A method for solving the full Navier–Strokes–equation for chains of spheres transported in Poiseuille–flow. Ermert U. **Biorheology** 13(1):1–6, Feb 76

Filtration rates of pharmaceutical suspension systems. Dakkuri A, et al. **J Pharm Sci** 65(3):420–3, Mar 76

[The liberation of drugs from suspension salves. 9. Relationship between drug dispersability and in vitro availability] Horsch W, et al. **Pharmazie** 31(5):303–6, 1976 **(Ger)**

[Dispersity of drugs with special reference to the dispersion ointments. 6. Changes in dispersity during the processing of drug powders into suspension ointments] Kögel J, et al. **Pharmazie** 31(4):232–5, Apr 76 **(Ger)**

[Physicochemical studies on the sedimentation state of suspension particles. IV. Studies on the tortuosity of aqueous suspension under stirring (author's transl)] Nakagaki M, et al. **J Pharm Soc Jpn** 96(3):259–68, Mar 76 (Eng. Abstr.) **(Jpn)**

[Pharmaceutical suspensions, an effective drug form] Bashuara GS, et al. **Farm Zh** 30(6):27–34, Nov–Dec 75 (63 ref.) **(Ukr)**

STANDARDS

[Proposal for specifications concerning the study of dispersed systems (powders, suspensions...) very fine, extra–fine, ultrafine and micro–fine] Mayné F, et al. **J Pharm Belg** 31(2):181–90, Mar–Apr 76 **(Fre)**

SUSTAINED–RELEASE PREPARATIONS see **DELAYED–ACTION PREPARATIONS**

SUTURE TECHNICS

Treatment of experimental oesophageal perforation. Bornemisza G, et al. **Acta Chir Acad Sci Hung** 16(3):211–7, 1975

Autogenous cable nerve grafting instead of end to end anastomosis in secondary nerve suture. Haftek J. **Acta Neurochir (Wien)** 34(1–4):217–21, 1976

Comparative study of circumferential nerve suture using the operating microscope. Electrophysiological and histological control. Ploncard P. **Acta Neurochir (Wien)** 34(1–4):175–83, 1976

Nerve suture without tension, a method for repairing transected peripheral nerves. Usbeck W. **Acta Neurochir (Wien)** 34(1–4):215–6, 1976

Peripheral nerve repairs by the funicular suture technique. Ito T, et al. **Acta Orthop Scand** 47(3):283–9, Jun 76

Interstitial therapy suing non–absorbable (Ir192 nylon ribbon) and absrobable (I125 'Vicryl') suturing techniques. Scott WP. **Am J Roentgenol Radium Ther Nucl Med** 124(4):560–4, Aug 75

Visceral and parietal suture in abdominal surgery. Goligher JC. **Am J Surg** 131(2):130–40, Feb 76

Automatic staple suturing for gastrointestinal surgery. Latimer RG, et al. **Am J Surg** 130(6):766–71, Dec 75

Abdominal incision and closure. A systems approach. Martyak SN, et al. **Am J Surg** 131(4):476–80, Apr 76

Extraperitoneal retention sutures. Uysal T. **Am J Surg** 131(3):389, Mar 76

Brochial stump closure techniques following pneumonectomy: A serial comparative study. Scott RN, et al. **Ann Surg** 18(2):205–11, Aug 76

Technique for the coronary snake graft operation. Sewell WH, et al. **Ann Thorac Surg** 22(1):58–65, Jul 76

Hemostatic suture of the liver. Arango A, et al. **Arch Surg** 111(1):81–2, Jan 76

A new sutureless technique for skin closure. Hasson HM, et al. **Arch Surg** 111(1):83–4, Jan 76

Microsurgical nerve sutures improve rehabilitation and may prevent Wallerian degeneration. Abrantes Erhart E, et al. **Arq Neuropsiquiatr** 33(3):193–9, Sep 75

Hypospadias repair using polyglycolic acid sutures. Gipson M. **Br J Plast Surg** 28(2):135–8, Apr 75

An easily removable continuous skin suture. Schetrumpf J. **Br J Plast Surg** 28(3):210–3, Jul 75

A controlled clinical trial of three methods of closure of laparotomy wounds. Goligher JC, et al. **Br J Surg** 62(10):823–9, Oct 75

Primary suture of the perineal wound following rectal excision for adenocarcinoma. Marks CG, et al. **Br J Surg** 63(4):322–6, Apr 76

How tight should tension sutures be tied? A controlled clinical trial. Rosenberg IL, et al. **Br J Surg** 62(12):950–1, Dec 75

Dexon: an excellent suture for midline incisions. Grace DM. **Can J Surg** 19(1):54–8, Jan 76

Delayed primary closure of the skin and subcutaneous tissue in abdominal surgery. McLachlin AD, et al. **Can J Surg** 19(1):37–40, Jan 76

Delayed primary closure in colon operations. Paul ME, et al. **Can J Surg** 19(1):33–6, Jan 76

A controlled study comparing the conventional treatment of idiopathic anorectal abcess with that of incision, curettage and primary suture under systemic antibiotic cover. Leaper DJ, et al. **Dis Colon Rectum** 19(1):46–50, Jan–Feb 76

Restoration of elbow flexion. Holtmann B, et al. **Hand** 7(3):256–61, Oct 75

A simple tendon transfer for the isolated division of the flexor digitorum profundus. Rigg BM. **Hand** 7(3):246–9, Oct 75

Delayed flexor tendon repair in the digital sheath with end–to–end suture and fascial graft. Suzuki K. **Hand** 8(2):141–4, Jun 76

Intra–tendinous tendon suture in the hand—a new technique. Tsuge K, et al. **Hand** 7(3):250–5, Oct 75

Intra–tendinous tendon suture in the hand. A new technique. Tsuge K, et al. **Hand** 7(3):250–5, Oct 75

Techniques and complications of primary wound closure. pp. 71–9. Arem AJ.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Anchoring sutures in the management of complicated strabismus. pp. 453–62. Hermann JS.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Comparison of three techniques for intestinal anastomosis in Equidae. Reinertson EL. **J Am Vet Med Assoc** 169(2):208–12, 15 Jul 76

A suturing technique for the prevention of subperiosteal haematomas in the palate. Brown LJ, et al. **J Dent** 3(5):203–4, Sep 75

Closure of excisional wounds with 'H' flaps. Albom MJ. **J Dermatol Surg** 1(4):26–7, Dec 75

An improved mattress suture. Castrow FF 2d, et al. **J Dermatol Surg** 2(3):237–9, Jun 76

Subcuticular skin closure—description of technique. Sanders RJ. **J Dermatol Surg** 1(4):61–4, Dec 75

Fifteen ways to close surgical wounds. Stegman SJ. **J Dermatol Surg** 1(2):25–31, Jun 75

Technique of aortic valve replacement. Girardet RE, et al. **J Thorac Cardiovasc Surg** 71(3):446–9, Mar 76

Infection rate of simple suturing. Galvin JR, et al. **JACEP** 5(5):332–3, May 76

'Practical suggestions on facial plastic surgery—how I do it.' Webster RC, et al. **Laryngoscope** 86(8):1280–4, Aug 76

Mass single layer closure of abdominal wounds. Nayman J. **Med J Aust** 1(7):183–6, 14 Feb 76

McVay herniorrhapy. The transition suture and femoral vein injury: case report. Lankau CA Jr, et al. **Milit Med** 140(9):641–2, Sep 75

A retrievable suture idea for anterior uveal problems. McCannel MA. **Ophthalmic Surg** 7(2):98–103, Summer 76

Suturing technique in cataract surgery: A suggestion. Marinoff GP. **Ophthalmic Surg** 7(1):110, Spring 76

Should an incompletely severed tendon be sutured? Commentary. Kleinert HE. **Plast Reconstr Surg** 57(2):236, Feb 76

A new technique for nerve suture. The anchoring funicular suture. Tsuge K, et al. **Plast Reconstr Surg** 56(5):496–500, Nov 75

Influence of different tensions on the growth of skin grafts. Koehnlein HE, et al. **Surg Forum** 26:562–4, 1975

Burying suture knots in abdominal wound closure. David TE, et al. **Surg Gynecol Obstet** 142(3):408–9, Mar 76

Editorial: The anastomosis should be made without tension. Gerber A. **Surg Gynecol Obstet** 142(1):75–6, Jan 76

Retention suture technique using buttons. Goldbach M, et al. **Surg Gynecol Obstet** 141(6):931–2, Dec 75

Single layer anastomosis in the gastrointestinal tract. Matheson NA, et al. **Surg Gynecol Obstet** 143(4):619–24, Oct 76

The hazards of suturing certain wounds of the liver. Mays ET. **Surg Gynecol Obstet** 143(2):201–4, Aug 76

A simple technique for closure of temporary cystostomy. Ostergaard AH. **Surg Gynecol Obstet** 142(6):915–6, Jun 76

A new technique for skin closure. Tejani F, et al. **Surg Gynecol Obstet** 142(3):406–7, Mar 76

Modification of the Hill technique for repair of hiatal hernia. Vansant JH, et al. **Surg Gynecol Obstet** 143(4):637–42, Oct 76

The Arruga suture for retinal detachment 17 years on. McAuley FD. **Trans Ophthalmol Soc UK** 95(1):165–6, Apr 75

A comparison of staples and nylon closure in varicose vein surgery. Lennihan R, et al. **Vasc Surg** 9(4):200–3, Sep–Oct 75

[Single-step suture in resection surgery for rectosigmoidal cancer] Deredzhian A. **Khirurgiia (Sofiia)** 29(1):3–9, 1976 (Eng. Abstr.) **(Bul)**

[Some comments on the insufficiency of the cervix uteri and its treatment by suture (author's transl)] Fuchs V, et al. **Cesk Gynekol** 41(3):183–4, May 76 **(Cze)**

[Dexon, applicability in the horse (author's transl)] Sonnichsen HV. **Nord Vet Med** 27(11):575–7, Nov 75 (Eng. Abstr.) **(Dan)**

[Bronchussuture (author's transl)] Maurau R, et al. **Acta Chir Belg** 74(2):153–9, Mar 75 (Eng. Abstr.) **(Dut)**

[Autotransplants using vascular microsutures] de Coninck A, et al. **Acta Chir Belg** 74(6):581–6, Nov 75 **(Fre)**

[Present-day principles of the repair of peripheral nerves] Michon J. **Acta Chir Belg** 75(2):241–3, Mar 76 **(Fre)**

[Changes in the walls of microvessels subjected to microsuturation (author's transl)] Chignier E, et al. **Ann Chir Thorac Cardiovasc** 15(2):175–7, Apr 76 (Eng. Abstr.) **(Fre)**

[Intracorneal suture] Leopold P, et al. **Arch Ophtalmol (Paris)** 35(11):885–90, Nov 75 (Eng. Abstr.) **(Fre)**

[Continuous corneal suture] Leopold P, et al. **Bull Soc Ophtalmol Fr** 75(2):235–8, Feb 75 **(Fre)**

[Whipstitch technic in corneal grafts using a nylon monofilament] Pouliquen Y, et al. **Bull Soc Ophtalmol Fr** 75(2):199–203, Feb 75 **(Fre)**

[Mechanical suture following resection in cancers of the recto-sigmoid junction and upper rectum] Gautier-Benoit C, et al. **Chirurgie** 100(10):746–9, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Wounds of the flexor tendons of the fingers at the level of the hand. Results of primary sutures] Ficat C, et al. **J Chir (Paris)** 110(6):533–42, Dec 75 (Eng. Abstr.) **(Fre)**

[Comparative experimental study of inverting and everting sutures in the colon] Ortiz H, et al. **J Chir (Paris)** 109(5–6):691–6, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Stab wound of the right branch of the portal vein. Suture. Healing] Simon P, et al. **J Chir (Paris)** 110(4):295–306, Oct 75 (Eng. Abstr.) **(Fre)**

[Primary suture of the extra-petrous facial nerve on a coaxial metal stem. Clinical and electromyographic study of a case] Grateau P, et al. **J Fr Otorhinolaryngol** 24(9):699–700, 703–4, Nov 75 **(Fre)**

[Abdominal closure by atraumatic full sutures. New technic] Chometowski S. **Nouv Presse Med** 4(22):1645–6, 31 May 75 **(Fre)**

[Distal fixation of the endarterium after disobliteration. Technical artifice] Montorsi W, et al. **Nouv Presse Med** 5(9):579–80, 28 Feb 76 **(Fre)**

[Suture of the pharynx after laryngectomy by the Garcia-Hormaeche-Portmann procedure] Latkowski B, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(9–10):521–7, Sep–Oct 75 **(Fre)**

[Incisions and sutures in oral surgery. Technic of the angular flap and the immediate suture in current practice] Chateau M. **Rev Odontostomatol (Paris)** 5(2):85–96, Mar–Apr 76 **(Fre)**

[Suture technics following intestinal resections] Nockemann PF. **Chirurg** 46(9):421–2, Sep 75 **(Ger)**

[Tendon sutures, tendon transplantations and tendon transfer on the hand] Wilhelm A. **Chirurg** 46(7):301–7, Jul 75 **(Ger)**

[Experience with new skin sutures: synthetic, resorbable material] Huber-Enzler HP. **Hautarzt** 26(10):529–31, Oct 75 (Eng. Abstr.) **(Ger)**

[Indication, technic and results of Achilles tendon suture with autologous corium] Terbrüggen D, et al. **Hefte Unfallheilkd** (121):318–20, 1975 **(Ger)**

[100 consecutive colonic resections with single layer sutures and early radiologic postoperative controls] Hell K, et al. **Helv Chir Acta** 43(1–2):225–32, Mar 76 (Eng. Abstr.) **(Ger)**

[Experiments on animals to investigate the suitability of perforating corneal sutures (author's transl)] Puder R, et al. **Klin Monatsbl Augenheilkd** 167(3):434–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Wound elasticity following various suture technics as well as studies on skin elasticity in man] Benfer J, et al. **Langenbecks Arch Chir** Suppl:177–9, 1975 **(Ger)**

[Technics of vascular microsurgery] Duspiva W, et al. **Med Welt** 27(18):852–5, 30 Apr 76 **(Ger)**

[Peripheral nerve repair by nerve suture and grafting (author's transl)] Millesi H. **Ther Umsch** 32(7):446–52, Jul 75 (Eng. Abstr.) **(Ger)**

[Clinical experiences with the 'suspended suture' in venous anastomoses] Hagmüller GW, et al. **Vasa** 4(4):378–84, 1975 (Eng. Abstr.) **(Ger)**

[Correction osteotomy of tibia for malalignment at the knee and the bone-suture (author's transl)] Fischer-Wasels J. **Z Orthop** 113(3):406–11, Jun 75 (Eng. Abstr.) **(Ger)**

[Modification of the removable circular stromal suture in suprapubic transvesical prostatectomy] Thiel KH, et al. **Z Urol Nephrol** 68(2):87–90, Feb 75 **(Ger)**

[Single-row all-layers suture technic in gastro-duodenostomy] Eichfuss HP, et al. **Zentralbl Chir** 100(19):1191–7, 1975 **(Ger)**

[Single-row suture in stomach surgery] Krause H. **Zentralbl Chir** 101(9):565–7, 1976 **(Ger)**

[Closure of the duodenal stump. Technics used in duodenal posterior-wall ulcer] Schreiber HW, et al. **Zentralbl Chir** 100(16):980–4, 1975 **(Ger)**

[Importance of mechanical factors in the development of abdomial wound dehiscence. Tensile strength of the human and animal fascia with regard to various suture-materials] Tauber R, et al. **Zentralbl Chir** 100(19):1178–82, 1975 **(Ger)**

[Closure of surgical wound by a wire following sternotomy] Nakagawa A, et al. **Jpn J Thorac Surg** 29(4):263, 1976 **(Jpn)**

[External suture of the uterine cervix with the use of perforated alloplastic plates in cases of cervical canal internal os incompetency in pregnancy] Zólciński A, et al. **Ginekol Pol** 46(11):1203–7, Nov 75 (Eng. Abstr.) **(Pol)**

[Corneal astigmatism prior to and following cataract extraction as a function of the stitching technic] Bogorodzki B, et al. **Klin Oczna** 46(2):199–201, Feb 76 **(Pol)**

[Figure-of-8 suture with external splinting with acrylic plates in the management of wounds following evisceration Renkielski K, et al. **Pol Przegl Chir** 48(6):705–7, Jun 76 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of cervical os incompetence treatment with cerclage in Hervet's modification] Drążkowski H, et al. **Wiad Lek** 29(13):1157–9, 1 Jul 76 (Eng. Abstr.) **(Pol)**

[Comparative study of safety in 3 types of intestinal anastomosis. Experimental study on the small intestine of a dog] Aprilli F, et al. **Rev Assoc Med Bras** 21(10):307–8, Oct 75 **(Por)**

[Hemorrhoidectomies. Comparative study of the ligation-incision technic with semiclosing of the cutaneous wound, and the dissection-ligation-excision technic with open cutaneous wound] Neto JA. **Rev Assoc Med Bras** 22(1):14–7, Jan 76 (Eng. Abstr.) **(Por)**

[Comparative clinical and experimental study of intestinal sutures in a single layer using one colorless and one green polyglycolic acid thread] Rosenberg D, et al. **Rev Paul Med** 85(3–4):59–65, Mar–Apr 75 (Eng. Abstr.) **(Por)**

[Prevention and treatment of recurrent eventrations] Brinzeu P, et al. **Rev Chir [Chir]** 23(9):737–44, Nov–Dec 74 (Eng. Abstr.) **(Rum)**

[Bronchial, vascular and costal, parenchymatous mechanical metallic suturing with the UKL, UKS and SGR instruments] Ivancenco O, et al. **Rev Chir [Chir]** 24(2):91–3, Mar–Apr 75 **(Rum)**

[Comparative study of the postoperative results obtained in surgery of senile cataract following closure of operative wounds with isolated stitches and continuous suturing] Călin A, et al. **Rev Chir [Oftalmol]** 19(2):121–6, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Method of suturing the duodenal stump] Polupan VN, et al. **Khirurgiia (Mosk)** (6):144–6, Jun 75 **(Rus)**

[Double-loop suture for closure of hepatic wounds] Mariev AI. **Klin Khir** (10):83–5, Oct 75 **(Rus)**

[Indications for suturing of perforated gastroduodenal ulcers based on mathematical modeling of long-term results] Myshkin KI, et al. **Klin Khir** (11):11–3, Nov 75 (Eng. Abstr.) **(Rus)**

[External drainage and suture of the bile ducts following choledochotomy] Sitenko VM, et al. **Vestn Khir** 115(10):25–32, OCT 75 (Eng. Abstr.) **(Rus)**

[Use of a mechanical suture in operations on the liver and the biliary tract] Vinogradov VV, et al. **Vestn Khir** 114(4):40–4, Apr 75 (Eng. Abstr.) **(Rus)**

[Primary delayed sutures of the war injuries] Albreht M, et al. **Acta Chir Iugosl** 23(1 Suppl):61–4, 1976 **(Ser)**

[New technics for the prevention of thrombosis of vein sutures] Raso AM, et al. **Angiologia** 28(3):131–7, May–Jun 76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Bacterial endophthalmitis following suture removal after penetrating keratoplasty. Forstot SL, et al. **Am J Ophthalmol** 80(3 Pt 2):509–12, Sep 75

HISTORY

Del Vecchio (1895) on suture of the heart—I. Jarcho S. **Am J Cardiol** 37(2):309–10, Feb 76

Del Vecchio (1895) on suture of the heart—II. Jarcho S. **Am J Cardiol** 37(5):807–8, Apr 76

INSTRUMENTATION

Clamp for wire closure of sternum. Korompai FL, et al. **Ann Thorac Surg** 21(3):249, Mar 76

A new suturing needle. Sood GC, et al. **Br J Ophthalmol** 59(9):514, Sep 75

A teflon toggle for fastening soft tissue to bone. Furnas DW, et al. **Br J Plast Surg** 29(1):104–5, Jan 76

Anastomosis of small veins with suture or Nakayama's apparatus. A comparative study. Ostrup LT. **Scand J Plast Reconstr Surg** 10(1):9–17, 1976

Traction sutures in a tracheostomy using a ligature passer. Parnes SM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 479–85, Jul–Aug 76

[An instrument for suturing the sternum] Zunzov I. **Khirurgiia (Sofiia)** 27(5):437–8, 1974 **(Bul)**

Mechanical suture techniques in gastro-intestinal surgery: partial gastrectomy B I and B II. Rinecker H, et al. **Langenbecks Arch Chir** 340(1):1–12, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Jawless clamps for circular vascular suture] Bliskunov AI. **Med Tekh** (2):46–7, Mar–Apr 75 **(Rus)**

[Experience with the clinical use of the PKS-25 and KTs-28 suturing devices] Kalinina TV. **Med Tekh** (1):37–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[First experience with the use of a new UG-70 stitcher in gastrointestinal surgery] Shaposhnikov IuG, et al. **Sov Med** (2):50–2, Feb 76 (Eng. Abstr.) **(Rus)**

STANDARDS

Should an incompletely severed tendon be sutured? Reynolds B, et al. **Plast Reconstr Surg** 57(1):36–8, Jan 76

[The effect of the number of corneo-scleral sutures on the astigmatism of aphakic patients] Galand A. **Bull Soc Belge Ophtalmol** (172):768–81, 1975 **(Fre)**

SUTURES

A new kind of 'deep retention suture'. Faxén A, et al. **Acta Chir Scand** 142(1):13–4, 1976

Polyglycolic acid (Dexon) versus silk for fascial closure of abdominal incisions. Krorborg O. **Acta Chir Scand** 142(1):9–12, 1976

Polyglycolic acid (PGA, Dexon) sutures in neck surgery. Solhaug JH, et al. **Acta Chir Scand** 141(5):326–8, 1975

The strength of tissue against individual sutures in structures involved in the repair of inguinal hernia. Tera H, et al. **Acta Chir Scand** 142(4):309–14, 1976

[Cerclages 'a froid' and early or urgent] Henry-Suchet J. **Acta Eur Fertil** 6(3):247–63, Sep 75 **(Eng, Fre)**

Ultrastructural features of the healing area after everting and inverting suture of the small intestine in rabbits. Necula T, et al. **Acta Morphol Acad Sci Hung** 22(3–4):227–39, 1974

Proceedings: A new aid for the treatment of intracranial aneurysms: the armoured aneurysm thread. Piscol K. **Acta Neurochir (Wien)** 31(3–4):308, 1975

Letter: Nylon sutures in keratoplasty wound separations. Dreps LE. **Am J Ophthalmol** 81(3):366–7, Mar 76

Synthetic absorbable suture for strabismus surgery. Helveston EM, et al. **Am J Ophthalmol** 82(2):300–2, Aug 76

Mechanical performance of surgical sutures. Thacker JG, et al. **Am J Surg** 130(3):374–80, Sep 75

Ideal laparotomy closure: comparison of retention sutures with new retention bridging devices. Barrer S, et al. **Am Surg** 42(8):582–4, Aug 76

The absorbable sutures in cataract surgery. Awan KJ. **Ann Ophthalmol** 7(10):1409–12, Oct 75

The effect of 10-0 running nylon versus 8-0 silk on the healing of corneal gragts. Gasset AR, et al. **Ann Ophthalmol** 8(1):99–102, Jan 76

The use of polyglycolic acid sutures in outpatient cataract surgery. Williamson DE. **Ann Ophthalmol** 8(3):333–40, Mar 76

Effect of nutrition, diet and suture material on long term wound healing. Temple WJ, et al. **Ann Surg** 182(2):93–7, Aug 75

Vicryl (polyglactin 910) in cataract surgery. A controlled trial. Bartholomew RS, et al. **Br J Ophthalmol** 60(7):536–8, Jul 76

An easily removable continuous skin suture. Schetrumpf J. **Br J Plast Surg** 28(3):210–3, Jul 75

Does the choice of suture material affect the incidence of wound infection? A comparison of dexon (polyglycolic acid) sutures with other commonly used sutures in an accident and emergency department. Mouzas GL, et al. **Br J Surg** 62(12):952–5, Dec 75

Non-absorbable cystic duct ligatures and common bile duct calculi. Newman CE, et al. **Br Med J** 4(5995):504, 29 Nov 75

Polyglycolic acid suture in peripheral nerve II: sutured sciatic nerve. Hudson AR, et al. **Can J Neurol Sci** 3(1):69–72, Feb 76

Dexon versus conventional sutures in hernia repair. Baltazar N, et al. **Can J Surg** 19(4):341–2, Jul 76

[Suture and replacement material in vascular surgery] Giessler R. **Chirurg** 46(10):454–9, Oct 75

Evaluation of dexon suture in cataract surgery. Sherman SE. **Eye Ear Nose Throat Mon** 55(2):46–7, Feb 76

Review of the sterilization of surgical sutures. pp. 431–5. Dawson JO. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.**

Long term tissue responses to catgut and collagen sutures. Bartone FF, et al. **Invest Urol** 13(6):390–4, May 76

Reaction of the urinary tract to polypropylene sutures. Bartone FF, et al. **Invest Urol** 14(1):44–6, Jul 76

Comparison of polypropylene and polyglycolic acid suture in experimental vasovasostomy. Shelor WC Jr, et al. **Invest Urol** 13(3):223–6, Nov 75

Development of needles and sutures for microsurgery. Roberts WN. **J Biomed Mater Res** 9(5):399–405, Sep 75

Letter: Sutures in skin surgery. **J Dermatol Surg** 1(2):75, Jun 75

The choice of suture material for skin closure. Aston SJ. **J Dermatol Surg** 2(1):57–61, Mar 76

A comparison of polyglycolic acid (Dexon), nylon and silk sutures in skin surgery. Auerbach R, et al. **J Dermatol Surg** 1(1):38–40, Apr 75

Observations on a new absorbable suture material. Deutsch HL. **J Dermatol Surg** 1(4):49–51, Dec 75

A serial comparison of bronchial stump closure techniques following pneumonectomy. Scott RN. **J Natl Med Assoc** 68(1):42–5, Jan 76

Letter: Surgical masks during laceration repair. Caliendo JE. **JACEP** 5(4):278–9, Apr 76

Letter: The slippery knot syndrome. Foley TJ. **JAMA** 236(7):821, 16 Aug 76

Controlled trial of prophylactic antibiotics in minor wounds requiring suture. Day TK. **Lancet** 2(7946):1174–6, 13 Dec 75

Letter: Polyglycolic-acid suture and scar hypertrophy. Jones SM, et al. **Lancet** 2(7938):775, 18 Oct 75

Letter: Mass single layer closure of abdominal wounds. Heap GJ. **Med J Aust** 1(12):414, 20 Mar 76

Absorbable subcuticular sutures. How to avoid the childhood ordeal of suture removal. Wright JE. **Med J Aust** 2(23):874–6, 6 Dec 75

Episiotomy repair: a comparison of catgut and polyglycolic acid sutures. Ping WW, et al. **Med J Malaysia** 30(2):135–8, Dec 75

The evaluation of 7-0 Polyglactin 910 suture in cataract surgery. Blaydes JE. **Ophthalmic Surg** 6(4):99–104, Winter 75

An evaluation of 8-0 Polyglactin 910 synthetic absorbable suture in cataract surgery. Blaydes JE. **Ophthalmic Surg** 7(2):55–61, Summer 76

Comparison of tissue reaction to nylon and prolene sutures in rabbit iris and cornea. Kelly SE, et al. **Ophthalmic Surg** 6(4):105–10, Winter 75

A scanning electron microscope study of microvascular anastomoses. Servant JM, et al. **Plast Reconstr Surg** 57(3):329–24, Mar 76

Breaking strength of perichondrial adhesions after reshaping the rabbit ear with sutures. Thomson HG. **Plast Reconstr Surg** 58(4):466–9, Oct 76

A new synthetic absorbable suture for ophthalmic surgery: laboratory and clinical evaluation. Dunlap WA, et al. **South Med J** 69(5):588–92, May 76

Panendoscopic removal of sutured retained Penrose drain. Kalies DW, et al. **South Med J** 68(9):1155–6, Sep 75

Polyglactin 910 suture absorption and the role of cellular enzymes. Salthouse TN, et al. **Surg Gynecol Obstet** 142(4):544–50, Apr 76

Surgical radiation therapy with vicryl-125I absorbable sutures. Scott WP. **Surg Gynecol Obstet** 142(5):667–70, May 76

An endoscopic technique for removal of suture bound surgical drains. Soper LE, et al. **Surg Gynecol Obstet** 141(6):924–5, Dec 75

Effect of suture materials on healing skin wounds. Van Winkle W Jr, et al. **Surg Gynecol Obstet** 140(1):7–12, Jan 75

Scanning electron microscopic observations of common carotid artery endothelium in the rat. II. Sutured arteries. Gregorius FK, et al. **Surg Neurol** 4(2):258–64, Aug 75

Rate of breaking strength loss of absorbable sutures in the stomach. Postlethwait RW. **Surgery** 78(4):531–3, Oct 75

A new treatment for wrinkles. Conley J, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 427–31, Jul–Aug 76

Iris sutures for artificial lens fixation--perlon vs stainless steel. Worst JG. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP102–4, Jan–Feb 76

Comparison of absorbable sutures in urinary bladder. Case GD, et al. **Urology** 7(2):165–8, Feb 76

Results of inguinal hernia repair using a nylon darn. Hoare CE, et al. **West Indian Med J** 24(4):223–7, Dec 75

[Healing of intestinal sutures after administration of antibiotics and cortisone in experiments (author's transl)] Mann M, et al. **Cesk Gastroenterol Vyz** 29(5):314–9, Jul 75 (Eng. Abstr.) **(Cze)**

[Effect of cyclophosphamide on the course of healing of intestinal sutures with regard to age] Mann M. **Cesk Gastroenterol Vyz** 30(2):81–90, Mar 76 (Eng. Abstr.) **(Cze)**

[Comparison of the results of 4 different types of monofilament sutures of 22 microns at the time of cataract surgery] de Laage de Meux P. **Bull Soc Ophtalmol Fr** 74(7–8):747–51, Jul–Aug 74 **(Fre)**

[Arion's thread in ptosis surgery] Turut P. **Bull Soc Ophtalmol Fr** 75(3):347–8, Mar 75 **(Fre)**

[Dexon as suture material in strabismus surgery] Lamcke B, et al. **Ber Dtsch Ophthalmol Ges** (73):293–5, 1975 **(Ger)**

[Sutures in thoracic surgery] Gschnitzer F. **Chirurg** 46(10):444–7, Oct 75 **(Ger)**

[Sutures and implants in surgery of the extremities] Perren SM. **Chirurg** 46(10):447–53, Oct 75 **(Ger)**

[Surgical sutures in the abdominal cavity] Schreiber HW, et al. **Chirurg** 46(10):437–43, Oct 75 **(Ger)**

[Research on sutures and ligatures in struma surgery] Wiesend O, et al. **Chirurg** 46(10):479–81, Oct 75 **(Ger)**

[Bladder stones as a complication of gynecologic surgery] Litschgi MS, et al. **Fortschr Med** 93(32):1627–8, 13 Nov 75 **(Ger)**

[Microscopic examination of unused synthetic suturing material before and after ray-treatment (author's transl)] Doden W, et al. **Klin Monatsbl Augenheilkd** 167(2):291–4, Aug 75 (Eng. Abstr.) **(Ger)**

[The abdominal surgeon and his suture material] Eichfuss HP. **Med Welt** 27(12):562–5, 19 Mar 76 **(Ger)**

[Importance of mechanical factors in the development of abdomial wound dehiscence. Tensile strength of the human and animal fascia with regard to various suture-materials] Tauber R, et al. **Zentralbl Chir** 100(19):1178–82, 1975 **(Ger)**

[Retained sutures: an unusual complication of gastric surgery] Ratan J, et al. **Harefuah** 89(9):404–5, 2 Nov 75 (Eng. Abstr.) **(Heb)**

[Experimental and clinical studies on the use of a new suture material: polyglycolic acid] Micali G, et al. **Minerva Chir** 30(4):186–90, 28 Feb 75 (Eng. Abstr.) **(Ita)**

[Clinical use of a new absorbable suture material in general surgery] Vincenzi L, et al. **Minerva Chir** 30(6):323–5, 31 Mar 75 (Eng. Abstr.) **(Ita)**

[The ophthalmic suture Dexon] **Minerva Med** 66(68 Suppl):30–1, Oct 75 **(Ita)**

[Dexon. A clinical and animal experimental evaluation] Brekke IB. **Tidsskr Nor Laegeforen** 96(1):15–8, 10 Jan 76 (Eng. Abstr.) **(Nor)**

[Evaluation of Dexon sutures (polyglycolic acid) for perineal suturing following delivery] Mazurek J, et al. **Ginekol Pol** 47(4):433–5, Apr 76 **(Pol)**

[Polyester bone suture in the treatment of fractures of the mandible in dogs] Knapik S, et al. **Polim Med** 4(3):201–7, 1974 (Eng. Abstr.) **(Pol)**

[Clinical study of resorbable surgical sutures. A suggestion] Kuś H, et al. **Polim Med** 5(3):195–9, 1975 (Eng. Abstr.) **(Pol)**

[Polyester tendon for atraumatic cervical suture during pregnancy] Robaczyński J, et al. **Polim Med** 5(2):139–43, 1975 (Eng. Abstr.) **(Pol)**

[Comparative clinical and experimental study of intestinal sutures in a single layer using one colorless and one green polyglycolic acid thread] Rosenberg D, et al. **Rev Paul Med** 85(3–4):59–65, Mar–Apr 75 (Eng. Abstr.) **(Por)**

[Evaluation of the quality of uterine suture after cesarean section (experimental study)] El'tsov-Strelkov VI, et al. **Akush Ginekol (Mosk)** (8):65–7, Aug 75 **(Rus)**

[Maximum permissible extent of resection of the thoracic segment of the trachea and its diastasis for placement of circular suture] Eteriia GP. **Eksp Khir Anesteziol** (5):20–2, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the endurance of different types of sutures] Gigauri VS, et al. **Eksp Khir Anesteziol** (2):35–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Modification of the circular vascular suture] Makhachev MO. **Eksp Khir Anesteziol** (4):20–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Experimental everted intestinal suture] Orfanidi AKh. **Eksp Khir Anesteziol** (5):22–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Use of the stomach for plastic covering of the esophageal sutures] Chernousov AF, et al. **Grudn Khir** (3):93–9, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Durability of removable wire tendinosutures] Alzenberg EA. **Khirurgiia (Mosk)** (7):113–5, Jun 75 **(Rus)**

[Gastrectomy with the use of mechanical sutures] Mikhas'kiv IN. **Khirurgiia (Mosk)** (8):91–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Cataract extraction with preliminary total iridotomy and sutures of the iris] Ioffe DI, et al. **Oftalmol Zh** 30(3):217–9, 1975 (Eng. Abstr.) **(Rus)**

[Remote results of suture of the median nerve] Filippova RP, et al. **Ortop Travmatol Protez** (9):39–43, Sep 75 (Eng. Abstr.) **(Rus)**

[Remote results of primary suture of tendons of the hand and fingers] Nel'zina ZF, et al. **Ortop Travmatol Protez** (11):46–7, Nov 75 **(Rus)**

[Production and testing of biologically active fibers with hemostatic properties] Yemets VL, et al. **Polim Med** 5(3):201–11, 1975 (Eng. Abstr.) **(Rus)**

[One-row suture in construction of biliodigestive anastomoses] Drobot VT. **Vestn Khir** 116(3):42–4, Mar 76 (Eng. Abstr.) **(Rus)**

[Results of repeated operations after primary nerve suture] Gorbunova VG. **Vestn Khir** 115(8):82–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Ligature with insoluble material as a cause of formation of bile duct calculi] Nechaĭ AI. **Vestn Khir** 115(12):21–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Use of catgut thread for suturing the abdominal wall wound in appendectomy] Radevich OL, et al. **Vestn Khir** 114(9):126–, Sep 75 **(Rus)**

[Stimulating effect of catgut in treatment of trophic leg ulcers] Sashchikova VG, et al. **Vestn Khir** 116(5):116–7, May 76 **(Rus)**

[Use of 'catgut ligatures' in treatment of trophic ulcers of the lower limbs] Sashikova VG. **Vestn Khir** 115(12):57–60, Dec 75 (Eng. Abstr.) **(Rus)**

[Incompetence of duodenal stump sutures after stomach resection in ulcer disease] Sverdlov VB. **Vestn Khir** 114(1):132–5, Jan 75 (Eng. Abstr.) **(Rus)**

[Morphological basis of the use of biological sutures in ocular microsurgery (experimental study)] Vakhedi AS, et al. **Vestn Oftalmol** (1):29–34, 1976 **(Rus)**

[Suture material made from synthetic monofilaments] Balliuzek FV, et al. **Voen Med Zh** (4):33–5, Apr 76 **(Rus)**

[Morphological characteristics of tissue reaction to acetate thread in experimental studies] Ter-Kasparova MR, et al. **Zh Eksp Klin Med** 15(6):26–33, 1975 **(Rus)**

[The use of polyglycolic acid sutures in the gyneco-obstetric patient] Esperanza Aguilar R, et al. **Ginecol Obstet Mex** 38(225):41–6, Jul 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Differences in potentiation of melanoma growth by absorbable and nonabsorbable suture. Pendergrast WJ Jr, et al. **J Surg Oncol** 8(3):223–8, 1976

Effects of suture on tensile strength gain of partially and completely severed tendons. Ollinger H, et al. **Surg Forum** 26:63–4, 1975

HISTORY

On the history of the suture. Snyder CC. **Plast Reconstr Surg** 58(4):401–6, Oct 76

[Brief historico-evolutive note on suture materials] Mannelli MA. **Med Secoli** 12(2):279–84, May–Aug 75 **(Ita)**

STANDARDS

Comparison of Dexon and Mersilene sutures in the closure of primary laparotomy incisions. Kjaergaard J, et al. **Acta Chir Scand** 142(4):315–8, 1976

Polyglycolic acid (Dexon) versus silk for fascial closure of abdominal incisions. Kronborg O. **Acta Chir Scand** 142(1):9–12, 1976

Tensile strengths of twelve types of knot employed in surgery, using different suture materials. Tera H, et al. **Acta Chir Scand** 142(1):1–7, 1976

The strength of suture knots after one week in vivo. Tera H, et al. **Acta Chir Scand** 142(4):301–7, 1976

Physical properties of surgical suture materials: Stress–strain relationship, stress–relaxation and irreversible elongation. Holmlund DE. **Ann Surg** 18(2):189–93, Aug 76

Comparative trial of Dexon (polyglycolic acid), collagen, and silk sutures in ophthalmic surgery. Chatterjee S. **Br J Ophthalmol** 59(12):736–40, Dec 75

Uninfected anastomotic false aneurysms following arterial reconstruction with prosthetic grafts. Read RC, et al. **J Cardiovasc Surg (Torino)** 16(5):558–61, Sep–Oct 75

In vivo evaluation of nylon suture material by the scanning electron microscope. Gregorius FK, et al. **Surg Gynecol Obstet** 143(3):429–32, Sep 76

[Studies on the use of various suture materials in the oral cavity] Schwenzer N, et al. **Dtsch Zahnaerztl Z** 31(3):250, Mar 76 **(Ger)**

[Experience with new skin sutures: synthetic, resorbable material] Huber-Enzler HP. **Hautarzt** 26(10):529–31, Oct 75 (Eng. Abstr.) **(Ger)**

[Studies concerning the usefulness of catgut, PGA and polyester for abdominal fascia closure (author's transl)] Tauber R, et al. **Res Exp Med (Berl)** 165(2):153–61, 14 Jul 75 (Eng. Abstr.) **(Ger)**

[Clinical use of polyglycol threads] Kuś H, et al. **Pol Przegl Chir** 48(5):627–30, 1976 **(Pol)**

[Project of biological tests of surgical catgut] Kuś H, et al. **Polim Med** 4(2):1–12, 1974 **(Pol)**

[Study of the antibacterial activity of florlon threads] Plotkina NS, et al. **Polim Med** 5(3):213–21, 1975 (Eng. Abstr.) **(Rus)**

SV40 VIRUS

Human exposure to SV40: review and comment. Shah K, et al. **Am J Epidemiol** 103(1):1–12, Jan 76 (80 ref.)

Some cytochemical and ultrastructural features of mouse transplantable tumor derived from SV40 transformed macrophages. Vorbrodt A, et al. **Ann Med Sect Pol Acad Sci** 20(2):129–31, 1975

Simian virus 40-chinese hamster kidney cell interaction. I. Relationship of chromosome changes to transformation. Lavialle C, et al. **Arch Virol** 49(2–3):127–39, 1975

Interaction between chemical carcinogens, oncogenic viruses and 17 beta-estradiol. Blakeslee JR, et al. **Bibl Haematol** (43):481–3, Oct 75

Oncornavirus genetic expression: murine virus gene induction by human cell chromosomes. Strand M, et al. **Bibl Haematol** (43):97–101, Oct 75

Significance of specific transplantation antigen expression at the surface of papovavirus SV40-infected permissive cells. Tevethia SS, et al. **Bibl Haematol** (43):74–7, Oct 75

Anomalous side chain amidation in plasma membrane proteins of simian virus 40-transformed lymphocytes indicated by isoelectric focussing and laser Raman spectroscopy. Schmidt-Ullrich R, et al. **Biochem Biophys Res Commun** 67(3):1062–9, 1 Dec 75

Arthrobacter luteus restriction endonuclease recognition sequence and its cleavage map of SV40 DNA. Jay E, et al. **Biochemistry** 15(16):3612–20, 10 Aug 76

Synchronous digestion of SV40 DNA by exonuclease III. Wu R, et al. **Biochemistry** 15(4):734–40, 24 Feb 76

Preparation of radioiodinated simian virus 40 DNA for use

in DNA - DNA reassociation kinetics experiments. Delap RJ, et al. **Biochim Biophys Acta** 418(3):257–65, 5 Feb 76

Significance of arming, potentiating and blocking factors as correlates the tumour–host interaction in the hamster SV40 system. Goldrosen MH, et al. **Br J Cancer** 32(6):667–77, Dec 75

Studies on the relationship between concanavalin A and SV40–transformed human fibroblasts. Webb T. **Br J Cancer** 33(2):217–25, Feb 76

Amino acid and hexose transport of normal and simian virus 40–transformed human cells. Patterson MK Jr, et al. **Cancer Res** 36(2 Pt 1):394–7, Feb 76

Accelerated regeneration of trypsin–treated surface antigens of simian virus 40–transformed BALB/3T3 cells induced by X–irradiation. Takeichi N, et al. **Cancer Res** 36(4):1258–62, Apr 76

Inhibition of replication of virus–transformed fibroblasts by antibodies to RNA. Varesio L, et al. **Cancer Res** 35(12):3558–65, Dec 75

The transformation by simian virus 40 of cells from patients with mucopolysaccharidosis and from normal controls. Webb T, et al. **Cancer Res** 36(2 Pt 1):298–301, Feb 76

Transcription during productive infection with polyoma virus and Simian virus 40. Acheson NH. **Cell** 8(1):1–12, May 76

Propagation of a segment of bacteriophage lamda–DNA in monkey cells after covalent linkage to a defective simian virus 40 genome. Ganem D, et al. **Cell** 7(3):349–59, Mar 76

Preferential synthesis of viral late RNA by nuclei isolated from SV40 lytically infected cells. Gilboa E, et al. **Cell** 7(4):567–73, Apr 76

Infection of newborn Taiwan monkeys (Macaca cyclopis) with human adenovirus type 12 and simian virus 40. Yang CS, et al. **Chin J Microbiol** 8(4):262–73, Dec 75

Differential susceptibility to amphotericin B of 3T3 cells transformed by SV40 or polyoma. Amati P, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:371–4, 1975

Transformation of primate and rodent cells by temperature–sensitive mutants of SV40. Butel JS, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:25–36, 1975

Genetics of cell transformation by simian virus 40. Croce CM, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:335–43, 1975

Studies on in vitro transformation by DNA and DNA fragments of human adenoviruses and simian virus 40. Graham FL, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:637–50, 1975

Variants of simian virus 40–transformed mouse cells resistant to cytochalasin B. Kelly F, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:345–53, 1975

Studies of hamster cells transformed by adenovirus 2 and the nondefective Ad2–SV40 hybrids. Lewis AM Jr, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:651–6, 1975

The stable classes of transformed cells induced by SV40 infection of established 3T3 cells and primary rat embryonic cells. Risser R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:317–24, 1975

Stimulation of cellular RNA synthesis in mouse–kidney cell cultures infected with SV40 virus. May P, et al. **Exp Cell Res** 100(2):433–6, Jul 76

The influence of MuLV and SV40 viruses on senescence in mouse fibroblasts in vitro. Baker RS. **Experientia** 32(1):98–9, 15 Jan 76

Failure to SV40–transformed lizard cells to induce tumors in autogeneic or allogeneic hosts. Michalski FJ, et al. **Experientia** 32(8):1064–5, 15 Aug 76

SV 40 nucleoprotein complexes: structural modifications after isopycnic centrifugation in metrizamide gradients. Pignatti PF, et al. **FEBS Lett** 60(2):369–73, 15 Dec 75

Cell–surface antigens of DNA virus (SV40) infected and transformed cells. pp. 447–67. Tevethia SS, et al. **In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.** (51 ref.)

Assignment of gene(s) for cell transformation and malignancy to human chromosome 7 carrying the SV40 genome. pp. 223–30. Croce CM. **In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.**

Application of a 'linked' transcription–translation cell free system to the direct functional mapping of a mammalian viral DNA. pp. 313–23. Roberts BE, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Studies of the molecular anatomy of the SV40 viral genome. pp. 409–29. Berg P, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**

The response of murine teratocarcinoma cells to infection with DNA and RNA viruses. pp. 289–301. Lehman JM, et al. **IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.**

Properties of cells transformed by DNA tumor viruses. Butel JS, et al. **In Vitro** 11(3):142–50, May–Jun 75

Genetics of cell transformation by SV40. pp. 207–15. Croce CM. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Death and transformation. pp. 287–300. Martin RG, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Detection of virus–specific DNA sequences by quantitative in situ hybridization during infection with SV40. Langelier Y, et al. **Int J Cancer** 16(3):476–87, 15 Sep 75

Some electrical properties of the peripheries of murine 3T3 cells with respect to viral transformation and reversion. Weiss L, et al. **Int J Cancer** 16(6):914–21, 15 Dec 75

Fibrils attached to the nuclear pore prevent egress of SV40 particles from the infected nucleus. Maul GG. **J Cell Biol** 70(3):714–9, Sep 76

SV40 transformation of mouse brain cells: critical role of gene A in maintenance of the transformed phenotype. Anderson JL, et al. **J Cell Physiol** 88(1):65–76, May 76

Increased susceptibility of murine teratocarcinoma cells to Simian virus 40 and polyoma virus following treatment with 5–bromodeoxyuridine. Speers WC, et al. **J Cell Physiol** 88(3):297–305, July 76

Characterization of an SV40–transformed 3T3 cell line expressing an unusual phenotype. Thompson JE, et al. **J Cell Sci** 18(3):427–40, Aug 75

Effect of host age, virus dose, and route of inoculation on tumor incidence, latency, and morphology in Syrian hamsters inoculated intravenously with oncogenic DNA simian virus 40. Diamandopoulos GT, et al. **J Natl Cancer Inst** 55(2):479–82, Aug 75

Transformation of primary rat kidney cells by fragments of simian virus 40 DNA. Abrahams PJ, et al. **J Urol** 16(4):818–23, Oct 75

In vitro viral transformation of human prostatic carcinoma. Jones RE, et al. **J Urol** 115(1):82–5, Jan 76

Simian virus 40 integration sites in the genome of virus–transformed mouse cells. Prasad I, et al. **J Urol** 16(4):897–904, Oct 75

Regulatory mechanism of simian virus 40 gene expression in permissive and in nonpermissive cells. Graessmann A, et al. **J Virol** 17(3):854–8, Mar 76

Construction and analysis of viable deletion mutants of simian virus 40. Shenk TE, et al. **J Virol** 18(2):664–71, May 76

Effect of passage in culture on a clone of BALB/c 3T3 cells transformed by simian virus 40. Smith HS, et al. **J Virol** 19(1):146–53, Jul 76

Induction of gene mutations and chromosomal aberrations by simian virus 40 in cultured mammalian cells. Marshak MI, et al. **Mutat Res** 30(3):383–96, Dec 75

Tumour rejection properties of solubilised TSTA from an SV40–induced neoplasm. Law LL, et al. **Nature** 257(5523):234–5, 18 Sep 75

Influence of BCG vaccination on the primary and transplantable hamster tumors induced by SV40 and on the specific SV40 virus–induced antitumor immunity. Zhalgasbayeva GT. **Neoplasma** 23(2):129–36, 1976

A sedimentation study of the interaction of superhelical SV40 DNA with H1 histone. Böttger M, et al. **Nucleic Acids Res** 3(2):419–29, Feb 76

Resting stage in normal and simian virus 40 transformed Chinese hamster lung cells. Martin RG, et al. **Proc Natl Acad Sci USA** 73(5):1655–9, May 76

Construction and propagation of a defective simian virus 40 genome bearing an operator from bacteriophage lambda. Nussbaum AL, et al. **Proc Natl Acad Sci USA** 73(4):1068–72, Apr 76

The role of SV40 viral genes in cellular transformation. Butel JS. **Prog Med Virol** 21:88–102, 1975 (61 ref.)

Isolation of an SV40 induced sarcoma transformation associated antigen. Brawn RJ, et al. **Res Commun Chem Pathol Pharmacol** 14(3):551–65, Jul 76

Tumorigenicity of mouse–human diploid hybrids in nude mice. Croce CM, et al. **Science** 190(4220):1200–2, 19 Dec 75

MIF–like activity in simian virus 40–transformed 3T3 fibroblast cultures. Hammond ME, et al. **Science** 185(4155):955–7, 13 Sept 74

Studies on the presence of viral antibodies in patients with various forms of malignant neoplasia. Stoian M, et al. **Virologie** 26(2):125–36, 1975

The effects of serum concentration on the level of integration of simian virus (SV40) genome and the transformation frequency in SV40–infected Chinese hamster cells. Hirai K, et al. **Virology** 69(1):229–36, Jan 76

The requirement of simian virus 40 gene A product for the stimulation of cellular thymidine kinase activity after viral infection. Postel EH, et al. **Virology** 73(1):206–15, Aug 76

[Phospholipid composition and turnover in normal and SV40 transformed fibroblasts. Effect of cell density] Mazière C, et al. **Biochimie** 57(10):1189–96, 1975 (Eng. Abstr.) **(Fre)**

[Progressive multifocal leukoencephalopathy (author's transl)] Gullotta F. **Riv Patol Nerv Ment** 95(4):453–8, Aug 74 (Eng. Abstr.) **(Ita)**

[In vitro induction of numerical changes in the karyotype of normal and transformed Djungarian and Chinese hamster cells] Kopnin BP, et al. **Genetika** 11(2):118–24, 1975 (Eng. Abstr.) **(Rus)**

[Mutagenesis under the influence of simian virus 40 (SV40). II. Induct?ION OF MUTATIONS RESULTING IN RESISTANCE TO PURINE BASE ANALOGS IN HUMAN AND Chinese hamster cells] Marashak MI, et al. **Genetika** 11(2):92–104, 1975 (Eng. Abstr.) **(Rus)**

[Mutagenesis under the influence of simian vacuolating virus 40 (SV40). I. Induction of chromosome aberrations in Chinese hamster cells during the first days following infection] Marshak MI, et al. **Genetika** 10(8):99–111, 1975 (Eng. Abstr.) **(Rus)**

[Mutagenesis under the influence of simian virus 40 (SV40). II. Induction of mutations for resistance to analogs of purine bases in human and Chinese hamster cells] Marshak MI, et al. **Genetika** 11(2):93–104, 1975 (Eng. Abstr.) **(Rus)**

[Determination of the antitumor immunity blocking effect of the serum of Syrian hamsters in the early stages of primary carcinogenesis caused by the SV40 virus] Vol'pe EA. **Vestn Akad Med Nauk SSSR** (2):26–71, 1976 (Eng. Abstr.) **(Rus)**

[Suppression by means of the BCG vaccine of specific antitumor immunity to tumors caused by the virus SV40 in Syrian hamsters] Zhalgasbaeva GT. **Vestn Akad Med Nauk SSSR** (2):15–21, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Differences between BK virus and simian virus 40 structural proteins analysed by isoelectric focusing. Barbanti–Brodano G, et al. **Arch Virol** 51(1–2):163–7, 1976

The EcoRI site of simian virus 40 deoxyribonucleic acid: nucleotide sequences of the minus and plus strands. Garfin DE, et al. **Biochem Biophys Res Commun** 68(2):369–74, 26 Jan 76

Protein–SV40 DNA complex stable in high salt and sodium dodecyl sulfate. Kasamatsu H, et al. **Biochem Biophys Res Commun** 68(3):927–36, 9 Feb 76

Purification of SV–40 messenger RNA by hybridization to SV–40 DNA covalently bound to Sepharose. Gilboa E, et al. **Biochemistry** 14(19):4215–20, 23 Sep 75

Isolation of viral specific RNA from SV40 infected cells by viral DNA chemically linked to a cellulose matrix. Shih TY, et al. **Biochemistry** 15(3):487–93, 10 Feb 76

Random cleavage of superhelical SV 40 DNA S1 nuclease. Waldeck W, et al. **Biochim Biophys Acta** 425(2):157–67, 4 Mar 76

Mapping of poly(A) sequences in the electron microscope reveals unusual structure of type C oncornavirus RNA molecules. Bender W, et al. **Cell** 7(4):595–607, Apr 76

Characterization of SV40 DNA rescued from transformed mouse cells. Botchan M, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:95–9, 1975

Characterization of cloned evolutionary variants of simian virus 40. Brockman WW, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:119–27, 1975

Nucleotide sequence about the 3' terminus of SV40 DNA transcripts and the region where DNA synthesis is initiated. Dhar R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:153–60, 1975

Approaches to the sequence determination of SV40 DNA. Fiers W, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:179–86, 1975

Structural studies on two adenovirus 2–SV40 hybrids containing the entire SV40 genome. Kelly TJ Jr, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:409–17, 1975

The detection and quantitation of SV40 nucleic acid sequences using single–stranded SV40 DNA probes. Khoury G, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:147–52, 1975

Viral DNA sequences in cells transformed by simian virus 40, adenovirus type 2 and adenovirus type 5. Sambrook J, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:615–32, 1975

Mapping of mutational alterations in DNA with S1 nuclease: the location of deletions, insertions and temperature–sensitive mutations in SV40. Shenk TE, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:61–7, 1975

Characterization of defective simian virus 40 DNA: comparison between large–plaque and small–plaque types. Yoshike K, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:85–93, 1975

Specific cleavage and physical mapping of simian–virus–40 DNA by the restriction endonuclease of Arthrobacter luteus. Yang RC, et al. **Eur J Biochem** 61(1):119–38, 2 Jan 76

Cleavage map of the simian–virus–40 genome by the restriction endonuclease III of Haemopholus aegyptius. Yang RC, et al. **Eur J Biochem** 61(1):101–17, 2 Jan 76

Isolation and partial characterization of a nuclear RNA polymerase - SV40 DNA complex. Gariglio P, et al. **FEBS Lett** 56(1):149–55, 1 Aug 75

Gene mapping of SV40: the biological activity of specific viral DNA fragments produced by cleavage with Haemophilus parainfluenzae restriction endonuclease. Graessmann A, et al. **FEBS Lett** 61(1):81–4, 01 Jan 76

Sequences in SV40 DNA corresponding to the 'ends' of cytoplasmic mRNA. pp. 25–31. Dhar R, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

The repeated sequences in serially passaged SV40 DNA. pp. 39–58. Frenkel N, et al. **In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

The structural proteins by SV40 and polyoma virus. pp. 117–25. Hirt B. **In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**

Proceedings: Ribonucleoprotein particles containing SV40 RNA. Horowitz M, et al. **Isr J Med Sci** 11(11):1214, Nov 75

Analysis of defective SV40 DNA by agarose gel electrophoresis. Sol CJ, et al. **J Gen Virol** 28(3):285–97, Sep 75

Simian virus 40–specific polypeptides in AD2+ ND1– and Ad2+ ND4–infected cells. Anderson CW, et al. **J Virol** 18(2):685–92, May 76

Hin D restriction mapping of upaired regions in simian virus 40 superhelical DNA I: considerations regarding structure–function relationships. Chen M, et al. **J Virol** 18(1):211–7, Apr 76

Chromatin–like structures in polyoma virus and simian virus 10 lytic cycle. Cremisi C, et al. **J Virol** 17(1):204–11, Jan 75

Genome localization of simian virus 40 RNA species. Khoury G, et al. **J Virol** 17(3):832–40, Mar 76

Chemical modification of simian virus 40 DNA by reaction with a water–soluble carbodiimide. Lebowitz J, et al. **J Virol** 18(1):205–10, Apr 76

Mapping simian virus 40 mutants by construction of partial heterozygotes. Mantel N, et al. **J Virol** 16(3):754–7, Sep 75

Comparison of JC and BK human papovaviruses with simian virus 40: DNA homology studies. Osborn JE, et al. **J Virol** 19(2):675–84, Aug 76

Analysis of simian virus 40 wild–type and mutant virions by agarose gel electrophoresis. Zweig M, et al. **J Virol** 17(3):916–23, Mar 76

Electrophoretic analysis of covalently closed SV40 DNA: Boltzmann distributions of DNA species. DeLeys RJ, et al. **Nucleic Acids Res** 3(3):641–52, Mar 76

Mapping the transcription site of the SV40–specific late 16 S mRNA. May E, et al. **Nucleic Acids Res** 2(10):1995–2005, Oct 75

Monomer molecular weight of T antigen from simian virus 40–infected and transformed cells. Carroll RB, et al. **Proc Natl Acad Sci USA** 73(7):2254–8, Jul 76

Determination of the number of superhelical turns in simian virus 40 DNA by gel electrophoresis. Keller W. **Proc Natl Acad Sci USA** 72(12):4876–80, Dec 75

Integrated simian virus 40 sequences in transformed cell DNA: analysis using restriction endonucleases. Ketner G, et al. **Proc Natl Acad Sci USA** 73(4):1102–6, Apr 76

Homology and relationship between the genomes of papovaviruses, BK virus and simian virus 40. Khoury G, et al. **Proc Natl Acad Sci USA** 72(7):2563–7, Jul 75

Location of histones on simian virus 40 DNA. Polisky B, et al. **Proc Natl Acad Sci USA** 72(8):2895–9, Aug 75

Direct biochemical mapping of eukaryotic viral DNA by means of a linked transcription–translation cell–free system. Rozenblatt S, et al. **Proc Natl Acad Sci USA** 73(8):2747–51, Aug 76

A peptide comparison of proteins in the simian virus 40 virion. Gibson W. **Virology** 68(2):539–43, Dec 75

Isolation of two forms of SV40 nucleoprotein containing RNA polymerase from infected monkey cells. Green MH, et al. **Virology** 72(1):110–20, 1 Jul 76

Stability of simian virus 40 (SV40) mRNA species. Ho L, et al. **Virology** 67(2):588–90, Oct 75

Polynucleotide sequences common to the genomes of simian virus 40 and the human papovaviruses JC and BK. Howley PM, et al. **Virology** 73(1):303–7, Aug 76

Viral RNA in the cytoplasm of SV40–transformed mouse cells: post–transcriptional processing. Leong JA, et al. **Virology** 71(1):355–60, May 76

Characterization of supercoiled oligomeric SV40 DNA molecules in productively infected cells. Martin MA, et al. **Virology** 71(1):28–40, May 76

Location of the small restriction fragments, Hind–L, Hind–M and Hpa–E, on the simian virus 40 genome. Yang R, et al. **Virology** 68(1):260–5, Nov 75

DRUG EFFECTS

Mechanism of interferon–induced inhibition of early simian virus 40(SV40) functions. Yamamoto K, et al. **Virology** 68(1):58–70, Nov 75

ENZYMOLOGY

Endonucleases and simian virus 40 virions: origin of a virion–associated endonuclease. Dooley DC, et al. **J Virol** 17(2):352–62, Feb 76

GROWTH & DEVELOPMENT

Simian virus 40–chinese hamster kidney cell interaction. II. The semipermissivity of the cell system. Lavialle C, et al. **Arch Virol** 50(1–2):137–46, 1976

Enhanced SV 40–virus replication in chinese hamster kidney cells pretreated with 5–iodo–2'–deoxyuridine. Suárez HG, et al. **Arch Virol** 50(3):249–53, 1976

The SV40 rescue problem. Watkins JF. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:355–62, 1975

The induction of SV40–transformed chinese hamster and mouse kidney cells by mitomycin C. Morris AG, et al. **Intervirology** 5(5):305–12, 1975

Fucolipid patterns of cell lines transformed by highly and weakly tumorigenic simian virus 40 and herpes simplex virus. Steiner S, et al. **Intervirology** 6(1):32–41, 1975–1976

Systematic variables affecting simian virus 40–induced T–antigen expression and transformation in human cells. Kaplan MM, et al. **J Clin Microbiol** 3(6):593–8, Jun 76

Effect of hypertonic conditions on protein synthesis in cells productively infected with simian virus 40. England JM, et al. **J Virol** 16(5):1101–7, Nov 75

Complementation between BK human papovavirus and a simian virus 40 tsA mutant. Mason DH, et al. **J Virol** 17(3):1060–2, Mar 76

Characterization of simian cells tranformed by temperature–sensitive mutants of simian virus 40. Noonan CA, et al. **J Virol** 18(3):1106–19, Jun 76

Cell killing by simian virus 40: variation in the pattern of lysosomal enzyme release, cellular enzyme release, and cell death during productive infection of normal and simian virus 40–transformed simian cell lines. Norkin LC, et al. **J Virol** 18(1):48–57, Apr 76

Excision of viral DNA from host cell DNA after induction of simian virus 40–transformed hamster cells. Rakusanova T, et al. **J Virol** 19(1):279–85, Jul 76

Isolation and characterization of a heat–inducible simian virus 40 mutant. Rothschild H, et al. **J Virol** 19(2):374–81, Aug 76

Tumorigenicity of mouse–human diploid hybrids in nude mice. Croce CM, et al. **Science** 190(4220):1200–2, 19 Dec 75

Enhancement of SV40 transformation by treatment of C3H2K cells with UV light and caffeine. II. The effects of multiplicity of infection, cell phase, and time with caffeine. Ide T, et al. **Virology** 72(2):480–5, 15 Jul 76

Cell cycle dependence of simian virus 40 induction from transformed hamster cells by ultraviolet irradiation. Kaplan JC, et al. **Virology** 68(1):215–20, Nov 75

Isolation of simian virus 40–transformed inbred hamster cell lines heterogeneous for virus induction by chemicals or radiation. Kaplan JC, et al. **Virology** 68(1):200–14, Nov 75

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40–infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

The alteration of ribosomes for mRNA selection concerned with adenovirus growth in SV40–infected simian cells. Nakajima K, et al. **Virology** 67(1):85–93, Sep 75

Propagation of simian virus 40 in a human cell line. O'Neill FJ. **Virology** 72(1):287–9, 1 Jul 76

Gene activation by transfer of isolated mammalian chromosomes. II. Activation of simian virus 40 by transfer of fractionated chromosomes from transformed cells. Shani M, et al. **Virology** 70(1):201–5, Mar 76

The effect of caffeine on the ultraviolet light induction of SV40 virus from transformed hamster cells. Zamansky GB, et al. **Virology** 73(2):468–75, Sep 76

[Stimulation of SV40 virus replication in Chinese hamster kidney cells by treatment of the cells with mitomycin C] Lavialle C, et al. **C R Acad Sci [D] (Paris)** 281(16):1203–6, 20 Oct 75 (Eng. Abstr.) **(Fre)**

[Mutagenic effect of simian vacuolating virus 40 on mammalian cells in vitro (induction of mutations of resistance to 8–azaguanine and 6–mercaptopurine)] Marshak MI, et al. **Genetika** 9(12):138–41, Dec 73 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Characterization of the T antigen induced by SV40. Dottorini S, et al. **Boll Ist Sieroter Milan** 54(5):423–7, 20 Nov 75

Limitations and utility of a cytolytic assay for measuring simian virus 40–induced cell surface antigens. Pancake SJ, et al. **Cancer Res** 36(1):88–94, Jan 76

Identification of regions of the SV40 genome which contain preferred SV40 T antigen–binding sites. Jessel D, et al. **Cell** 8(4):535–45, Aug 76

Dissociation and DNA binding of SV40 T antigen. Carroll RB, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:291–3, 1975

SV40 T antigen: partial purification and properties. Livingston DM, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:283–9, 1975

SV40: T antigen, the A function and transformation. Osborn M, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:267–76, 1975

Regulation of SV40 tumor antigen in transformed mouse 3T3 cells. Robb JA. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:277–81, 1975

The solubility characteristics of SV 40 tumor antigen. Kellermayer M, et al. **Exp Cell Res** 99(2):456–60, May 76

Restoration of specific immunity against SV40 tumor–specific transplantation antigen to lymphoid cells from tumor–bearing mice. Blasecki JW, et al. **Int J Cancer** 16(2):275–83, 15 Aug 75

Studies on the specificity of in vitro induced lymphocytotoxicity to SV40–transformed fibroblasts. Warnatz H, et al. **J Immunol** 117(3):981–5, Sep 76

Simian virus tumor antigen: a virus–specific and preexisting cell protein. Flügel RM, et al. **J Natl Cancer Inst** 55(4):899–901, Oct 75

Antitumor effects of antibody–diphtheria toxin conjugates. II. Immunotherapy with conjugates directed against tumor antigens induced by simian virus 40. Moolten FL, et al. **J Natl Cancer Inst** 55(2):473–7, Aug 75

Immunocytochemical localization of simian virus 40 T antigen with peroxidase–labeled antibody fragments. Tabuchi K, et al. **J Virol** 17(2):668–71, Feb 76

Cell–mediated cytotoxicity to SV40–specific tumour–associated antigens. Trinchieri G, et al. **Nature** 261(5558):312–4, 27 May 76

Two forms of simian–virus–40–specific T–antigen in abortive and lytic infection. Ahmad–Zadeh C, et al. **Proc Natl Acad Sci USA** 73(4):1097–101, Apr 76

Thermolabile T (tumor) antigen from cells transformed by a temperature–sensitive mutant of simian virus 40. Tenen DG, et al. **Proc Natl Acad Sci USA** 72(11):4351–5, Nov 75

Serologic response to BK Virus following human infection with SV40. Brown P, et al. **Proc Soc Exp Biol Med** 152(1):130–1, May 76

Rabbits as a source of antisera against SV40 virus–induced cell surface antigens. Moolten FL, et al. **Proc Soc Exp Biol Med** 151(1):65–7, Jan 76

Cell–mediated immunity to virus–induced tumors: generation of lymphocytes sensitized to specific transplantation antigen in mouse cells infected with papovavirus SV40. Tevethia SS, et al. **Prog Med Virol** 21:103–17, 1975

Biology of SV40 transplantation antigen (TrAg). I. Demonstration of SV40 TrAg on glutaraldehyde–fixed SV40–infected African green monkey kidney cells. Tevethia MJ, et al. **Virology** 69(2):474–89, Feb 76

[Neoantigens on cells transformed by SV40. IV. – A quantitative study of antigenic sites in a cell line (TSV5C12) (author's transl)] Duthu A, et al. **Ann Immunol (Paris)** 126(2):219–30, Feb–Mar 75 (Eng. Abstr.) **(Fre)**

[Presence of antigen SV40/T in the nuclear and cytoplasmic fraction of SV40– and PARA–transformed cells] Tassi C, et al. **Ann Sclavo** 17(2):249–50, Mar–Apr 75 **(Ita)**

ISOLATION & PURIFICATION

Demonstration of infectious DNA in transformed cells. II. Characterization of uptake of SV40–transformed mouse cell DNA by simian cells. Kelly RK, et al. **Arch Virol** 48(4):279–87, 1975

Isolation and characterization of individual clones of simian virus 40 mutants containing deletions duplications and insertions in their DNA. Mertz JE, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:69–84, 1975

METABOLISM

Proceedings: Studies on the excision process of SV40–DNA during infection with Adeno–SV40–hybrid Ad.2+ + HEY. van Roy F, et al. **Arch Int Physiol Biochim** 84(1):204–5, Feb 76

SV40 induced polypeptides in infected and transformed cells. Ho L, et al. **Arch Virol** 48(4):327–33, 1975

Integration of SV40 DNA into host cell DNA as a possible trigger for in vitro transformation. Hirai K, et al. **Bibl Haematol** (40):201–2, 1975

Nucleotide sequence with elements of an unusual two–fold rotational symmetry in the region of origin of replication of SV40 DNA+. Jay E, et al. **Biochem Biophys Res Commun** 69(3):678–86, 5 Apr 76

Biosynthesis of plasma membrane components by SV40–virus–transformed 3T3 mouse cells temperature sensitive for expression of some transformed cell properties. Shopsis C, et al. **Biochim Biophys Acta** 433(1):101–17, 16 Apr 76

Biogenesis and characterization of SV40 and polyoma RNAs in productively infected cells. Aloni Y. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:165–78, 1975

Cytosine arabinoside– and interferon–mediated control of polyoma and SV40 genome expression. Brandner G, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:305–8, 1975

Electron microscopic mapping of the attachment sites on SV40 DNA during lytic infection. Chow LT, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:109–17, 1975

Formation of reiterated simian virus 40 DNA. Davoli D, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:137–46, 1975

Factors affecting the process and extent of integration of the viral genome. Hirai K, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:325–33, 1975

Infection of mouse blastocysts with SV40 DNA: normal development of the infected embryos and persistence of SV40–specific DNA sequences in the adult animals. Jaenisch R. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:375–80, 1975

Stepwise relaxation of supercoiled SV40 DNA. Keller W, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:199–208, 1975

Mapping the genes of simian virus 40. Lai CJ, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:53–60, 1975

The cell–free translation of SV40 messenger RNA. Prives CL, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:309–16, 1975

Properties of replicating SV40 DNA molecules and mapping unpaired regions in SV40 DNA I. Salzman NP, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:209–18, 1975

Altered patterns of protein synthesis in infection by SV40 mutants. Tegtmeyer P. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:9–15, 1975

A simplifying concept in tumor virology: virus–specific 'pleiotropic effectors'. Weil R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:381–95, 1975

Mapping of SV40 mRNA species on the viral genome. Weinberg RA, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:161–4, 1975

Host substitution in SV40 and polyoma DNA. Winocour E, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:101–8, 1975

Independent regulation of the nuclear and mitochondrial DNA synthesis induced by either Simian virus 40 or serum in mouse fibroblast 3T3 cells. Fischer–Fantuzzi L, et al. **Eur J Biochem** 60(2):505–11, 15 Dec 75

Unequal rates of 'early' and 'late' SV 40 RNA synthesis in isolated nuclei. pp. 19–24. Aviv H, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and**

translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Isolation of two forms of SV40 transcriptional complexes from infected monkey cells. pp. 33–41. Green MH, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Sarkosyl extraction of an active SV40 transcription complex. pp. 67–73. Mousset S, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The cell-free translation of early and late classes of SV40 messenger RNA. pp. 305–12. Prives C, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Cell-free synthesis of polyoma and SV40 viral proteins. pp. 331–8. Smith AE, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Knowledge and ignorance about the molecular biology of small oncogenic DNA containing viruses. pp. 3–11. Dulbecco R.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Studies of SV40 DNA replication. pp. 13–9. Fareed GC, et al.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973. (26 ref.)

Simian virus 40 in synchronized monkey cells: integration of viral DNA into the cell genome and timing of replication. pp. 69–89. Girard M, et al.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

An analysis of the structure of the replicating fork during discontinuous synthesis of SV40 DNA and the detection of gap circle intermediates. pp. 21–37. Laipis PJ, et al.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

The cell free translation of purified simian virus 40 messenger RNA. pp. 127–39. Prives C.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Transcription of SV40 in lytically infected and transformed cells. pp. 91–116. Sambrook J, et al.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Some properties of superhelical oligomeric and integrated SV40 DNA sequences. pp. 59–67. Sauer G, et al.

In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Temperature-dependent synthesis of early and late SV40 cytoplasmic RNA during tsD101 mutant virion infection. Robb JA, et al. **Intervirology** 6(2):122–8, 1975–76

DNA replication in SV40-infected cells. XI. The properties of SV40 DNA and nucleoprotein complex synthesized in the presence of cycloheximide. Sen A, et al. **Intervirology** 5(3–4):122–36, 1975

Proceedings: Cytoplasmic processing of SV40 RNA in productively infected cells. Aloni Y, et al. **Isr J Med Sci** 11(11):1206, Nov 75

Proceedings: Symmetrical transcription of SV40 DNA early in the infection and in transformed cells. Beck Y, et al. **Isr J Med Sci** 11(11):1207, Nov 75

Proceedings: Biogenesis of SV40 RNA in productively infected cells. Laub O, et al. **Isr J Med Sci** 11(11):1207, Nov 75

Proceedings: Purification and translation of mRNA coding for SV40 proteins. Prives C, et al. **Isr J Med Sci** 11(11):1206, Nov 75

Group translocation of the ribose moiety of inosine by vesicles of plasma membrane from T(3 cells transformed by Simian virus 40. Quinlan DC, et al. **J Biol Chem** 251(2):344–54, 25 Jan 76

Prostaglandin synthetase activity and hormone responsiveness in normal and SV40 transformed WI-38 fibroblasts. Ishikawa Y, et al. **J Cyclic Nucleotide Res** 2(2):115–28, 1976

Construction in vitro of mutants of simian virus 40: insertion of a poly(dA–dT) segment at the Hemophilus parainfluenza II restriction endonuclease cleavage site. Carbon J, et al. **J Mol Biol** 98(1):1–15, 15 Oct 75

Isolation, propagation and characterization of replication requirements of reiteration mutants of Simian Virus 40. Ganem D, et al. **J Mol Biol** 101(1):57–83, 15Feb 76

Non-specific termination of simian virus 40 DNA replication. Lai CJ, et al. **J Mol Biol** 97(1):113–8, 5 Sep 75

Transport of amino acids in intact 3T3 and SV3T3 cells. Binding activity for leucine in membrane preparations of ehrlich ascites tumor cells. Cecchini G, et al. **J Supramol Struct** 4(4):441–7, 1976

Regulation of SV40-induced cell division and tumor antigen by dibutyryl adenosine 3'–5'–monophosphate. Robb JA. **J Supramol Struct** 4(2):271–8, 1976

Simian virus 40 DNA replication: characterization of gaps in the termination region. Chen MC, et al. **J Virol** 17(2):614–21, Feb 76

Adenovirus transcription. II. RNA sequences complementary to simian virus 40 and adenovirus 2DNA in AD2+ND1- and AD2+ND3-infected cells. Flint SJ, et al. **J Virol** 16(3):662–73, Sep 75

Transcription of simian virus 40. V. Regulattion of simian virus 40 gene expression. Laub O, et al. **J Virol** 16(5):1171–83, Nov 75

Simian virus 40-specific proteins in HeLa cells infected with nondefective adenovirus 2-simian virus 40 hybrid viruses. Walter G, et al. **J Virol** 16(5):1236–47, Nov 75

Host-cell reactivation of ultraviolet-irradiated SV40 DNA in five complementation groups of xeroderma pigmentosum. Abrahams PJ, et al. **Mutat Res** 35(1):13–22, Apr 76

Temperature dependence of strand separation of the DNA molecules containing integrated SV40 DNA in transformed cells. Fried AH. **Nucleic Acids Res** 2(9):1591–608, Sep 75

RNAs of simian virus 40 in productively infected monkey cells: kinetics of formation and decay in enucleate cells. Aloni Y, et al. **Proc Natl Acad Sci USA** 72(7):2587–91, Jul 75

Regulation of viral transciption and tumor antigen expression in cells transformed by simian virus 40. Basilico C, et al. **Proc Natl Acad Sci USA** 73(6):1931–5, Jun 76

Appearance of smaller mannosyl-glycopeptides on the surface of a human cell transformed by simian virus 40. Ceccarini C. **Proc Natl Acad Sci USA** 72(7):2687–90, Jul 75

Assignment of gene(s) for cell transformation to human chromosome 7 carrying the simian virus 40 genome. Croce CM, et al. **Proc Natl Acad Sci USA** 72(5):1658–60, May 75

Simian virus to (SV40) tumor-specific proteins in nucleus and plasma membrane of HeLa cells infected by adenovirus 2-SV40 hybrid virus Ad2+ND2. Deppert W, et al. **Proc Natl Acad Sci USA** 73(7):2505–9, Jul 76

'Early' simian-virus-40-specific RNA contains information for tumor antigen formation and chromatin replication. Graessmann M, et al. **Proc Natl Acad Sci USA** 73(2):366–70, Feb 76

Isolation and propagation of a segment of the simian virus 40 genome containing the origin of DNA replication. Shenk TE, et al. **Proc Natl Acad Sci USA** 73(5):1513–7, May 76

Thermolabile T (tumor) antigen from cells transformed by a temperature-sensitive mutant of simian virus 40. Tenen DG, et al. **Proc Natl Acad Sci USA** 72(11):4351–5, Nov 75

The temperature-sensitive defect in SV40 group D mutants. Avila J, et al. **Virology** 73(1):89–95, Aug 76

DNA replication in SV40 infected cells X. The structure of the 16 S gap circle intermediate in SV40 DNA synthesis. Laipis PJ, et al. **Virology** 68(1):115–23, Nov 75

The presence of common host sequences in different populations of substituted SV40 DNA. Oren M, et al. **Virology** 73(2):419–30, Sep 76

[Proceedings: Characterization of virus induced proteins in SV40 infected primary monkey cells] Patschinsky T, et al. **Hoppe Seylers Z Physiol Chem** 356(3):260–1, Mar 75 **(Ger)**

PATHOGENICITY

The semiautonomous replicon: a molecular model for the oncogenicity of SV40. Martin RG, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:17–24, 1975

Failure of human cells transformed by simian virus 40 to form tumors in athymic nude mice. Stiles CD, et al. **Proc Natl Acad Sci USA** 72(12):4971–5, Dec 75

[Absence of teratogenic and carcinogenic effects of SV 40-virus in BD-IX rats on application during pregnancy. (author's transl)] Ivankovic S, et al. **Z Krebsforsch** 85(2):177–9, 25 Feb 76 **(Ger)**

[A case of epidermodysplasia verruciformis with neoplastic degeneration and demonstration of viral particles in warts (author's transl)] Allegra F, et al. **Ateneo Parmense [Acta Biomed]** 46(6):665–78, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Mapping of mutational alterations in DNA with S1 nuclease: the location of deletions, insertions and temperature-sensitive mutations in SV40. pp. 431–45. Shenk TE, et al.

In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Proceedings: Activation of SV40 by transfer of fractionated chromosomes from transformed cells. Shani M, et al. **Isr J Med Sci** 11(11):1214, Nov 75

ULTRASTRUCTURE

Structure of a nicked DNA-protein complex isolated from simian virus 40: covalent attachment of the protein to DNA and nick specificity. Kasamatsu H, et al. **Proc Natl Acad Sci USA** 73(6):1945–9, Jun 76

[Some morphological parameters in Adenovirus, SV 40 and PARA-transformed cells] Merletti L. **Ann Sclavo** 17(2):247–9, Mar–Apr 75 **(Ita)**

SWALLOWING see **DEGLUTITION**

SWAMP FEVER see **EQUINE INFECTIOUS ANEMIA**

SWAYBACK see under **SHEEP DISEASES**

SWEAT

Pathogenesis of solar urticaria. Sweat droplet in testing for photosensitivity. Shelley WB, et al. **Arch Dermatol** 112(6):850–2, Jun 76

[Sweat conductometry in cellulose acetate foil—a simplified method for diagnosis of cystic fibrosis] Szibor R, et al. **Kinderaerztl Prax** 44(5):209–14, May 76 **(Ger)**

ANALYSIS

Immunological studies on the proteins of human eccrine sweat. Herrmann WP, et al. **Arch Dermatol Res** 255(2):123–7, 21 Apr 76

An evaluation of Na+, Cl- and pH ion-specific electrodes in the study of the electrolyte contents of epidermal transudate and sweat. Grice K, et al. **Br J Dermatol** 92(5):511–8, May 75

Electrolyte values of sweat obtained by local and whole body collection methods in cystic fibrosis patients. Cohen LF, et al. **J Pediatr** 89(3):430–3, Sep 76

pH of sweat of patients with cystic fibrosis. Nikolajek WP, et al. **Klin Wochenschr** 54(6):287–8, 15 Mar 76

[Determination electrolytes in sweat] Plachý V, et al. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1–2):15–8, 1974 **(Cze)**

[Relationship between the quantity of sweat on the brow and superficial cutaneous lipids determined by the slide method] Wasmer J, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):535–7, 1975 **(Fre)**

[Free amino acids in human Eocrine sweat (author's transl)] Liappis N, et al. **Arch Dermatol Res** 254(2):185–203, 10 Dec 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Volume of nitrogen excreted in the sweat during labor and protein nutrition] Yamada T, et al. **J Physiol Soc Jpn** 36(8–9):394, 1 Sep 74 **(Jpn)**

[Apropos of the article by O. A. Virovets, A. N. Azhaev, P. Ia. Azhevskii, R. K. Kiselev and V. N. Shustov, 'Change in the salt makeup of sweat during physical work and under high temperature'] Afanas'ev BG. **Gig Sanit** (3):90–1, Mar 76 **(Rus)**

[Composition of the volatile compounds in human sweat and urine] Savina VP, et al. **Kosm Biol Aviakosm Med** 9(6):76–8, Nov–Dec 75 **(Rus)**

[Sweat test for diagnosis of mucoviscidosis] Bochkova DN, et al. **Lab Delo** (6):355–7, 1975 **(Rus)**

[Potenciometric micromethod for the determination of the amount of perspiration of the human body and the antiperspiration power of antiperspirants] González Carreró J, et al. **Med Cutan Iber Lat Am** 2(4):267–76, 1974 (Eng. Abstr.) **(Spa)**

[Determination of sweat chloride with an ion-selective electrode] Kjellman B, et al. **Lakartidningen** 73(10):852–4, 3 Mar 76 (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

Immunological demonstration of multiple esterases in human eccrine sweat. Herrmann WP, et al. **Br J Dermatol** 95(1):67–70, Jul 76

ALPHA-Amylase activity in sweat and serum of patients with cystic fibrosis of the pancreas. Nikolaejek WP, et al. **Eur J Pediatr** 122(4):289–91, 12 Jul 76

[Immunological demonstration of beta-glucuronidase in eccrine sweat (author's transl)] Herrmann WP, et al. **Arch Dermatol Res** 255(1):63–7, 10 Mar 76 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Detection of HBsAg and HBsAb in sweat. Brodersen M, et al. **Acta Hepatogastroenterol (Stuttg)** 23(3):194–201, Jun 76

Autoantigens in human sweat: purification and characterization of the D-group antigens. Silpananta P, et al. **J Lab Clin Med** 87(2):251–9, Feb 76

METABOLISM

An estimation of mineral losses through arm sweat of preadolescent children. Harrison ME, et al. **Am J Clin Nutr** 29(8):842–6, Aug 76

The effects of sweat nitrogen losses in evaluating protein utilization by preadolescent children. Korslund MK, et al. **Am J Clin Nutr** 29(6):600–3, Jun 76

Genesis of the sweat:plasma urea concentration gradient. Gordon RS Jr, et al. **J Invest Dermatol** 66(4):218–21, Apr 76

SECRETION

Potassium losses in sweat under heat stress. Malhotra MS, et al. **Aviat Space Environ Med** 47(5):503–4, May 76

The significance of the local sweat response in assessing the progress of leprosy. Sehgal VN. **Br J Dermatol** 94(6):615–8, Jun 76

[Iodine-starch method of examination of sweat secretion in elephantiasis of the limbs (Minor's test)] Zabolotskii AT, et al. **Klin Khir** (10):76–7, Oct 75 **(Rus)**

SWEAT GLAND DISEASES

Moll's cysts of the lid. Record of an unusual case. Kamel KS. **Bull Ophthalmol Soc Egypt** 67:249–50, 1974

[Contribution to the treatment of hidradenitis suppurativa perianalis (author's transl)] Palenčárová N, et al.

Cesk Dermatol 51(1):52–5, Feb 76 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Natal teeth and steatocystoma multiplex complicated by hidradenitis suppurativa. A new syndrome. McDonald RM, et al. **Arch Dermatol** 112(8):1132–4, Aug 76

CONGENITAL

[Eccrine hidrocystoma] Ebner H, et al. **Dermatol Wochenschr** 161(9):739–44, Sep 75 **(Ger)**

ETIOLOGY

Hidradenitis suppurativa following acanthosis nigricans. Report of two cases. Stone OJ. **Arch Dermatol** 112(8):1142, Aug 76

Pustular psoriasis elicited by streptococcal antigen and localized to the sweat pore. Shelley WB, et al. **J Invest Dermatol** 65(5):466–71, Nov 75

[Some current data on sudoriparous function in neurological pathology] Andrei V, et al. **Rev Med Intern [Neurol Psihiatr]** 20(3):197–204, Jul–Sep 75 **(Rum)**

METABOLISM

Pseudohypoaldosteronism due to sweat gland dysfunction. Anand SK, et al. **Pediatr Res** 10(7):677–82, Jul 76

PATHOLOGY

Localized cutaneous amyloidosis in disseminated superficial actinic porokeratosis. Piamphongsant T, et al. **J Cutan Pathol** 1(5):207–10, 1974

SURGERY

Surgical treatment of hidradenitis suppurativa. Duncan WC. **J Dermatol Surg** 2(2):153–7, May 76

Limberg flap coverage for axillary defects resulting from excision of hidradenitis suppurativa. O'Brien J, et al. **Plast Reconstr Surg** 58(3):354–8, Sep 76

Hidradenitis suppurativa of the perineal and gluteal regions, treated by excision and skin grafting. Case report. Rosenfeld N, et al. **Plast Reconstr Surg** 58(1):98–9, Jul 76

Surgical management of chronic hidradenitis suppurativa of the perineum. Hyland WT, et al. **South Med J** 69(8):1002–4, Aug 76

Surgical treatment of hidradenitis suppurativa. Hartwell SW Jr. **Surg Clin North Am** 55(5):1107–9, Oct 75

[Perianal hidrosadenitis] Novák J, et al. **Rozhl Chir** 55(4):260–8, Apr 76 (Eng. Abstr.) **(Cze)**

THERAPY

Hidradenitis suppurativa of the groin, treated by excision and spontaneous healing. Ariyan S, et al. **Plast Reconstr Surg** 58(1):44–7, Jul 76

SWEAT GLAND NEOPLASMS

Letter: Nevus comedonicus. Rodriguez JM. **Arch Dermatol** 111(10):1363–4, Oct 75

The sweat gland adenomas. Brownstein MH, et al. **Int J Dermatol** 14(6):397–411, Jul–Aug 75 (40 ref.)

[Focal dermal hypoplasia with apocrine nevi and striation of bones (author's transl)] Vakilzadeh F, et al. **Arch Dermatol Res** 256(2):189–95, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Focal dermal hypoplasia with keratoconus, papillomatosis of esophagus and hidrocystomas (author's transl)] Zala L, et al. **Dermatologica** 150(3):176–85, 1975 (Eng. Abstr.) **(Ger)**

[Carcinoma of the apocrine glands (apropos of 2 original cases: cystadenoma papilliferous in malignant evolution and a carcinoma of the apocrine glands)] Bondi R, et al. **Arch De Vecchi Anat Patol** 59(3):429–46, Apr 74 **(Ita)**

[A little known variant of pure adenoma of the breast: pure apocrine cell adenoma (with a classification of breast adenomas)] Costa A. **Arch De Vecchi Anat Patol** 60(2):393–401, Dec 74 **(Ita)**

DIAGNOSIS

Dermal duct tumor. Apisarnthanarax P, et al. **Arch Dermatol** 111(9):1171–3, Sep 75

[Cancer of the sweat glands] Apatenko AK. **Vestn Dermatol Venerol** (2):48–53, Feb 74 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Nevus sebaceous and syringocystadenoma papilliferum. Greer KE, et al. **Arch Dermatol** 112(2):206–8, Feb 76

Linear eccrine poroma. Ogino A. **Arch Dermatol** 112(6):841–4, Jun 76

Apocrine gland organic hamartoma (apocrine nevus). Rabens SF, et al. **Arch Dermatol** 112(4):520–2, Apr 76

Dermal duct tumour. Ishikawa K. **Australas J Dermatol** 17(1):30–2, Apr 76

Eccrine sweat gland tumor of clear cell origin involving the eyelids. Rosen Y, et al. **Cancer** 36(3):1034–41, Sep 75

Porocarcinoma associated with extramammary Paget's disease. Eng AM, et al. **J Cutan Pathol** 1(6):249–55, 1974

Hidroacanthoma simplex: an ultrastructural study and comparison with eccrine poroma. Oka K, et al. **J Dermatol (Tokyo)** 2(2):69–78, Jun 75

Malignant chondroid syringoma of the thigh. Report of a case with electron microscopy of the tumour. Webb JN, et al. **J Pathol** 116(1):43–6, May 75

Sweat gland carcinoma: a clinico–pathological reappraisal. Mitts DL, et al. **J Surg Oncol** 8(1):23–9, 1976

Apocrine mixed tumour of the lid. Daicker B, et al. **Ophthalmologica** 170(6):548–53, 1975

Sweat gland carcinoma of the lips. Gulmen S, et al. **Oral Surg** 41(5):643–9, May 76

[Malignant eccrine poromas (poro–epitheliomas, porocarcinomas)] Grosshans E, et al. **Ann Anat Pathol (Paris)** 20(4):381–94, Aug–Oct 75 (Eng. Abstr.) **(Fre)**

[Complex sweat gland tumor of the scalp. Association of a papillous syringocystadenoma and an apocrine hidrocystoma] Vittori F, et al. **Arch Anat Cytol Pathol** 24(1):51–5, 1976 (14 ref.) **(Fre)**

[Eccrine–nevus (author's transl)] Pippione M, et al. **Dermatologica** 152(1):40–6, 1976 **(Fre)**

[Malignant transformation of a benign eccrine neoplasm of the sweat glands] Kowalewska Z. **Przegl Dermatol** 62(6):797–802, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

SURGERY

Sweat gland carcinoma. Current concepts of surgical management. Wertkin MG, et al. **Arch Surg** 111(8):884–5, Aug 76

VETERINARY

Papillary carcinoma of apocrine sweat glands in a capuchin monkey (Cebus albifrons). Cameron AM, et al. **J Med Primatol** 5(1):56–9, 1976

SWEAT GLANDS

Surgical treatment of hidradenitis suppurativa. Duncan WC. **J Dermatol Surg** 2(2):153–7, May 76

Papillary carcinoma of apocrine sweat glands in a capuchin monkey (Cebus albifrons). Cameron AM, et al. **J Med Primatol** 5(1):56–9, 1976

[Structure and function of the eccrine sweat glands. Part I: structure] Dubuc R, et al. **Union Med Can** 104(12):1811–6, Dec 75 **(Fre)**

[Carcinoma of the apocrine glands (apropos of 2 original cases: cystadenoma papilliferous in malignant evolution and a carcinoma of the apocrine glands)] Bondi R, et al. **Arch De Vecchi Anat Patol** 59(3):429–46, Apr 74 **(Ita)**

ABNORMALITIES

Studies of malformation syndromes in man XXXXII: a pleiotropic dominant mutation affecting skeletal, sexual and apocrine–mammary development. Pallister PD, et al. **Birth Defects** 12(5):247–54, 1976

ANATOMY & HISTOLOGY

The sweat glands and hair follicles of different species of bovidae. Jenkinson DM, et al. **Aust J Biol Sci** 28(1):55–68, Feb 75

Inheritance of some sweat gland and hair follicle characteristics in cattle. Jenkinson DM, et al. **Aust J Biol Sci** 28(4):417–24, Aug 75

[Regularities in the distribution of sweat glands and the principles of their grouping in man] Zagoruchenko EA. **Arkh Anat Gistol Embriol** 68(5):70–7, May 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of adrenergic stimulating and blocking agents on the eccrine sweat secretion in atopic dermatitis and psoriasis. Thune P, et al. **Arch Dermatol Res** 253(2):97–103, 12 Sep 75

Nature of the sweat glands in the hairy skin of the beagle. Cotton DW, et al. **Dermatologica** 150(2):75–85, 1975

[Functional inhibition of the sweat glands of mice by central nervous system depressants] Marcy R, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):48–9, 1975 **(Fre)**

ENZYMOLOGY

[Distribution and activities of the oxidative enzymes in the apocrine skin glands in pig] Meyer W, et al. **Zentralbl Veterinaermed [C]** 5(2):189–92, Jun 76 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The cholinergic nervous system and immediate hypersensitivity. I. Eccrine sweat responses in allergic patients. Kaliner M. **J Allergy Clin Immunol** 58(2):308–15, Aug 76

PATHOLOGY

Apocrine gland organic hamartoma (apocrine nevus). Rabens SF, et al. **Arch Dermatol** 112(4):520–2, Apr 76

Apocrine metaplasia in cystic hyperplastic mastopathy. Histochemical and ultrastructural observations. Ahmed A. **J Pathol** 115(4):211–4, Apr 75

[Clinical and histopathological studies on spotted grouped pigmented nevi with special references to eccrine–centered nevus (author's transl)] Morishima T, et al. **Jpn J Dermatol [A]** 85(9):509–15, Aug 75 **(Jpn)**

PHYSIOLOGY

Sweat gland response to the efferent thermoregulatory signal. Nadel ER, et al. **Arch Sci Physiol (Paris)** 27(2):67–77, 1973

Heat transfer across the skin: the role of the 'resting' sweat gland. Thiele FA, et al. **Bibl Radiol** (6):140–3, 1975

Some controversial problems in sweat gland function. Gibinski K. **Environ Res** 4(5):365–89, Nov 71

Sweat gland function in isolated perfused skin. Johnson KG. **J Physiol (Lond)** 250(3):633–49, Sep 75

PHYSIOPATHOLOGY

Sweat gland reactivity to local thermal stimulation in dysautonomia. Green M, et al. **Am J Dis Child** 130(8):816–8, Aug 76

Plethysmographic study in the patients with non–specific complaints in the head–cervico–brachial regions: with a special reference to laterality in vasomotor responses and 'cervical sympathetic dysharmony'. Katayama Y, et al. **J Neural Transm** 38(1):59–69, 1976

[Sweat suppression in patients with atopic dermatitis and infantile xerotic eczema (author's transl)] Fujita M, et al. **Jpn J Dermatol [A]** 85(5):291–4, 15 Apr 75 **(Jpn)**

SECRETION

[Free amino acids in human Eocrine sweat (author's transl)] Liappis N, et al. **Arch Dermatol Res** 254(2):185–203, 10 Dec 75 (Eng. Abstr.) **(Ger)**

[Behavior of the tubular skin glands in dogs under experimental mechanical, thermal, pharmacologic and hormonal influences and comparisons with man] Neurand ML, et al. **Z Versuchstierkd** 18(1–2):77–90, 1976 (Eng. Abstr.) **(Ger)**

[Secretion of pepsinogen, amylase and alkaline phosphatase by human sweat glands] Abdurakhmanov KhKh, et al. **Fiziol Zh SSSR** 61(9):1421–7, Sep 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Electron microscopy of the sweat glands from the hairy skin of the beagle. Cotton DW, et al. **Br J Dermatol** 93(3):348–9, Sep 75

The mode of growth of eccrine duct milia. Tsuji T, et al. **J Invest Dermatol** 65(4):388–93, Oct 75

The human external auditory canal, secretory system—an ultrastructural study. Main T, et al. **Laryngoscope** 86(8):1164–76, Aug 76

SWEATING

see related
HYPERHIDROSIS
HYPOHIDROSIS

Sweat responses in the aged. Foster KG, et al. **Age Ageing** 5(2):91–101, May 76

Sweat gland reactivity to local thermal stimulation in dysautonomia. Green M, et al. **Am J Dis Child** 130(8):816–8, Aug 76

Sweating on paws and palms: what is its function? Adelman S, et al. **Am J Physiol** 229(5):1400–2, Nov 75

Sweating responses of normal, paraplegic and anhidrotic subjects. Huckaba CE, et al. **Arch Phys Med Rehabil** 57(6):268–74, Jun 76

Sweat rate, its prediction and interpretation. Lustinec K. **Arch Sci Physiol (Paris)** 27(2):127–36, 1973

Effect of isolated head heating and cooling on sweating in man. McCaffrey TV, et al. **Aviat Space Environ Med** 46(11):1353–7, Nov 75

Fourier analysis of thermal sweating. Cotton DW, et al. **Br J Dermatol** 93(2):223–4, Aug 75

Palmar ridge appearances in normal newborn infants and ridge appearance in relation to eccrine sweating. Verbov J. **Br J Dermatol** 93(6):645–8, Dec 75

Sweating responses in the rhesus monkey (Macaca mulatta). Whitford WG, et al. **Comp Biochem Physiol [A]** 53(4):337–41, 1976

Sweating responses in the chimpanzee (Pan troglodytes). Whitford WG. **Comp Biochem Physiol [A]** 53(4):333–6, 1976

Sweating in the 'anhidrotic type' of congenital ectodermal dysplasia. Shoenfeld Y, et al. **Dermatologica** 150(5):277–82, 1975

Sweat studies in hyperhidrosis palmaris and plantaris. A survey of 60 patients before and after cervical sympathectomy. Shoenfeld Y, et al. **Dermatologica** 152(5):257–62, 1976

Sweat rate, its prediction and interpretation. pp. A127–36. Lustinec K.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Sweat gland response to the efferent thermoregulatory signal. pp. A67–77. Nadel ER, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

A study to determine the relative absorbability and wicking effect of certain major sock materials on perspiration of the human foot. Davis JA. **J Am Podiatry Assoc** 65(11):1051–7, Nov 75

Use of dew–point detection for quantitative measurement of sweating rate. Brengelmann GL, et al. **J Appl Physiol**

39(3):498–500, Sep 75
Sweating responses to central and peripheral heating in spinal man. Downey JA, et al. **J Appl Physiol** 40(5):701–6, May 76
Acclimatization in a hot, humid environment: energy exchange, body temperature, and sweating. Mitchell D, et al. **J Appl Physiol** 40(5):768–78, May 76
Sweating responses during changes of hypothalamic temperature in the rhesus monkey. Smiles KA, et al. **J Appl Physiol** 40(5):653–7, May 76
Circadian variations in the sweating mechanism. Timbal J, et al. **J Appl Physiol** 39(2):226–30, Aug 75
Proceedings: Sweating reactions and heat tolerance among the inhabitants of Okinawa. Hori K, et al. **J Physiol Soc Jpn** 36(8–9):394, 1 Sep 74
Interpreting palmar sweat prints: a not–so–simple measure. Weisenberg M, et al. **J Psychosom Res** 20(1):1–6, 1976
Night sweats. A dominant symptom in diabetes insipidus. Raff SB, et al. **JAMA** 234(12):1252–3, 22 Dec 75
Thermal influence on palmar sweating and mental influence on generalized sweating in man. Ogawa T. **Jpn J Physiol** 25(4):525–36, 1975
[Influence of thermohygrometric factors on sweat depression during acclimatization by controlled hyperthermia in man] Bittel J, et al. **Arch Sci Physiol (Paris)** 27(2):117–26, 1973 **(Fre)**
[Sweat rate constant and thermal changes in a stable condition, under the effect of acclimatization to heat in man] Henane R, et al. **Arch Sci Physiol (Paris)** 27(2):109–15, 1973 **(Fre)**
[The place of perspiration and sweating in the nycthermal control of body temperature] Timbal J, et al. **Arch Sci Physiol (Paris)** 27(2):91–107, 1973 **(Fre)**
[Evolution of debits of sweating and evaporation in response to a degree of ambiant humidity] Vogt JJ, et al. **Arch Sci Physiol (Paris)** 27(2):79–90, 1973 **(Fre)**
[A model of sweating during muscular exercise] Timbal J, et al. **C R Soc Biol (Paris)** 169(4):872–6, 1975 (Eng. Abstr.) **(Fre)**
[Experimental determination of coefficient of evaporative heat loss in still air (author's transl)] Candas V, et al. **Eur J Appl Physiol** 34(2):97–108, 4 Apr 75 (Eng. Abstr.) **(Fre)**
[Influence of thermohygrometric factors on sweat depression during controlled heat adaptation in man] pp. A117–26. Bittel J, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**
[Time factor in sweat rate and heat exchange during heat acclimatization in man] pp. A109–15. Henane R, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**
[Role of perspiration and sweating in control of circadian rhythm of body temperature] pp. A91–107. Timbal J, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**
[Changes in sweat and evaporation rates resulting from stepwise changes in ambient humidity] pp. A79–90. Vogt JJ, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**
[Influence of hygrothermal ambient conditions on sweat evaporation effeciency] Libert JP, et al. **J Physiol (Paris)** 70(6):717–35, Jan 76 (Eng. Abstr.) **(Fre)**
[The value of ninhydrine perspiration test according to Moberg for the diagnosis of retroperitoneal lymph–node malignomas (author's transl)] Krüger HG, et al. **Radiol Diagn (Berl)** 15(5):609–14, 1974 (Eng. Abstr.) **(Ger)**
[Sweat suppression in patients with atopic dermatitis and infantile xerotic eczema (author's transl)] Fujita M, et al. **Jpn J Dermatol [A]** 85(5):291–4, 15 Apr 75 **(Jpn)**

DRUG EFFECTS

Clonidine in the treatment of menopausal symptoms. Ylikorkala O. **Ann Chir Gynaecol Fenn** 64(4):242–5, 1975
Nature of the sweat glands in the hairy skin of the beagle. Cotton DW, et al. **Dermatologica** 150(2):75–85, 1975
[Functional inhibition of the sweat glands of mice by central nervous system depressants] Marcy R, et al. **Ann Dermatol Syphiligr (Paris)** 102(1):48–9, 1975 **(Fre)**
[Proceedings: Effect of CO2 inhalation on sweating and shivering induced by cold] Tadaki E, et al. **J Physiol Soc Jpn** 36(8–9):395, 1 Sep 74 **(Jpn)**
[Use of formidron for the treatment and prevention of foot mycoses and perspiration] Zuikhin DP, et al. **Voen Med Zh** (6):76, Jun 75 **(Rus)**

SWEATING, GUSTATORY

COMPLICATIONS

Gustatory sweating and related syndromes. Novotny GM. **J Otolaryngol** 5(3):251–5, Jun 76
[Gustatory sweating and its relations to the quadrant syndrome] Achenbach R. **Hautarzt** 26(6):293–8, Jun 75 **(Ger)**

DIAGNOSIS

[Temporo–auricular nerve syndrome] Berkan L, et al. **Wiad Lek** 28(15):1317–9, 1 Aug 75 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Frey's syndrome. Bednarek J, et al. **Am J Surg** 131(5):592–4, May 76

ETIOLOGY

Frey's syndrome after parotid surgery. Gordon AB, et al. **Am J Surg** 132(1):54–8, Jul 76

PHYSIOPATHOLOGY

Proceedings: Physiological gustatory sweating. Allen JA, et al. **J Physiol (Lond)** 254(1):74P–75P, Jan 76

SURGERY

Frey's syndrome–a technical remedy. Roark DT, et al. **Ann Otol Rhinol Laryngol** 84(6):734–9, Nov–Dec 75

SWEETENING AGENTS

Specially designed sweeteners and food for diabetics—a real need? Lenner RA. **Am J Clin Nutr** 29(7):726–66, Jul 76
Letter: The use of high–fructose corn syrup as a sweetener. Craig GG, et al. **Aust Dent J** 20(6):414, Dec 75
Chemical structure and sweet taste of isocoumarin and related compounds. VI. Yamato M, et al. **Chem Pharm Bull (Tokyo)** 23(12):3101–5, Dec 75
Sweetening agents from natural sources. Morris JA. **Lloydia** 39(1):25–38, Jan–Feb 76 (48 ref.)
Sugar and sugar substitutes in preventive medicine and nutrition. Stare FJ. **Nutr Metab** 18 Suppl 1:133–42, 1975
Effects of denaturants on the sweet–tasting protein monellin. Morris JA, et al. **Proc Soc Exp Biol Med** 150(2):265–70, Nov 75
Potential new artificial sweetener from study of structure–taste relationships. Acton EM, et al. **Science** 193(4253):584–6, 13 Aug 76
[Differences in taste assessment of sweeteners by normal and overweight persons] Mathieu A, et al. **Dtsch Med Wochenschr** 101(18):703–8, 30 Apr 76 (Eng. Abstr.) **(Ger)**
[Stevioside, an interesting natural sweetening agent] Seidemann J. **Nahrung** 20(6):675–9, 1976 (39 ref.) **(Ger)**

ADVERSE EFFECTS

Non–nutritive sweeteners and human bladder cancer: preliminary findings. Kessler II. **J Urol** 115(2):143–6, Feb 76 (20 ref.)

ANALYSIS

[Detection and determination of synthetic sweeteners in foods and pharmaceutical preparations. Preliminary note] La Rotonda MI, et al. **Boll Soc Ital Biol Sper** 51(11):690–5, 15 Jun 75 **(Ita)**

CHEMICAL SYNTHESIS

Preparation of the sweetening agent p4000. de Koning AJ. **J Chem Educ** 53(8):521–2, Aug 76
Structure–activity studies on sulfamate sweeteners. Benson GA, et al. **J Med Chem** 19(7):869–72, Jul 76
Sodium N–(cyclopentylmethyl)–sulfamate: a new synthetic sweetener. Nofre C, et al. **Naturwissenschaften** 62(2):97, Feb 75

PHARMACODYNAMICS

Gustatory effects of miraculin, monellin and thaumatin in the Saguinus midas tamarin monkey studied with electrophysiological and behavioural techniques. Hellekant G, et al. **Acta Physiol Scand** 97(2):241–50, Jun 76
Dental plaque, dental caries and sugar intake. The effects on the plaque of a low–calorie sweetener used in beverages in place of ordinary sugar. Grenby TH. **Br Dent J** 139(4):129–34, 19 Aug 75
Physiological effects of sucrose substitutes and artificial sweeteners on growth pattern and acid production of glucose–grown Streptococcus mutans strains in vitro. Linke HA, et al. **Z Naturforsch [C]** 31(5–6):245–51, May–Jun 76

STANDARDS

[Food and drug legislative evaluation of orally and parenterally administered sugar substitutes] Franck R. **Nutr Metab** 18 Suppl 1:256–62, 1975 **(Ger)**

SWIFT'S DISEASE see **ACRODYNIA**

SWIMBLADDER see **AIR BLADDER**

SWIMMING

A therapeutic aquatics program for quadriplegia patients. Geis GC. **Am Correct Ther J** 29(5):155–7, Sep–Oct 75
Ventilatory response to carbon dioxide in young athletes: a family study. Saunders NA, et al. **Am Rev Respir Dis** 113(4):497–502, Apr 76
Effects of swimming training on children with asthma. Fitch KD, et al. **Arch Dis Child** 51(3):190–4, Mar 76
External otitis among swimmers and nonswimmers. Hoadley AW, et al. **Arch Environ Health** 30(9):445–8, Sep 75
Metabolic reactions to cold during swimming at different speeds. Nielsen B. **Arch Sci Physiol (Paris)** 27(3):207–11, 1973
An ECG telemetry system for physiological studies on swimmers. Frampton C, et al. **Biomed Eng** 11(3):87–90, 94, Mar 76
Ergospirometry and cardiac telemetry associated for the determination and control of resistance work during swimming. Deroanne R, et al. **Biotelemetry** 1(3):157–70, 1974
Editorial: Swimming for the disabled. **Br Med J** 1(6024):1489, 19 Jun 76
Pepherial feedback in the leech swimming rhythm. Kristan WB Jr, et al. **Cold Spring Harbor Symp Quant Biol** 40:663–74, 1975
Circadian rhythms of brain 5–hydroxytryptamine and swimming activity in the teleost, Fundulus grandis. Fingerman SW. **Comp Biochem Physiol [C]** 54(1):49–53, 1976
Experimental study of the performance of competition swimmers. Charbonnier JP, et al. **Eur J Appl Physiol** 34(3):157–67, 15 Aug 75
Biomechanics of swimming. Miller DI. **Exerc Sport Sci Rev** 3:219–48, 1975
Aquatic hazards related to otolaryngology. pp. 52–5. Lee S.
In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.
Metabolic reactions to cold during swimming at different speeds. pp. A207–11. Nielsen B.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.
Upper extremity contraction moments and their relationship to swimming training. Jensen RK, et al. **J Biomech** 9(4):219–25, 1976
Social factors influencing female swimming performance. Dyer KF. **J Biosoc Sci** 8(2):131–6, Apr 76
Swimming and cardiovascular fitness in the older age group. Arthur RJ. **J Sports Med** 3(1):35–9, Jan–Feb 75
Underwater bradycardia. Burke EJ Jr, et al. **J Sports Med** 2(3):163–6, May–Jun 74
Swimming instruction for pre–school children. Diamond EF. **J Sports Med** 3(2):58–60, Mar–Apr 75
Diurnal variation in performance of competitive swimmers. Rodahl A, et al. **J Sports Med Phys Fitness** 16(1):72–6, Mar 76
Letter: Collapse during channel swim. Keatingewr. **Lancet** 02(7987):692, 25 Sep 76
Letter: Ding–string injuries. McDanal CE, et al. **N Engl J Med** 295(5):287, 29 Jul 76
Drug action on the 'grasping' reflex and on swimming endurance; an attempt to characterize experimentally antidepressant drugs. Molinengo L, et al. **Neuropharmacology** 15(4):257–60, Apr 76
Swimming and the paraplegic. Bleasdale N. **Paraplegia** 13(2):124–7, Aug 75
Two types of feedback in teaching swimming skills to handicapped children. Fueyo V, et al. **Percept Mot Skills** 40(3):963–6, Jun 75
Genetic analysis of simple water escape behavior: test of a major–gene hypothesis. Elias MF, et al. **Physiol Behav** 15(6):737–40, Dec 75
Motor and sensory set effects on grab–start times of champion female swimmers. Krahenbuhl GS, et al. **Res Q Am Assoc Health Phys Educ** 46(4):441–6, Dec 75
The effects of swimming and running regimens on skeletal muscle glycogen in the rat. Ness GW, et al. **Rev Can Biol** 34(1–2):45–50, Mar–Jun 75
[Results of the rehabilitation of hypertension patients through swimming in an enclosed pool under sanatorium conditions] Dimitrov I, et al. **Vutr Boles** 14(5):26–32, 1975 **(Bul)**
[Swimming with perforated tympanic membrane?] van der Wal RJ. **Ned Tijdschr Geneeskd** 119(29):1153–5, 19 Jul 75 **(Dut)**
[Psychomotor rehabilitation in water or observations on the behavior in water of young handicapped children] Kameneff JP. **Rev Neuropsychiatr Infant** 23(5–6):345–54, May–Jun 75 (Eng. Abstr.) **(Fre)**
[Changes in serum proteins,–iron and –copper in swimmers before and after altitude training (author's transl)] Haralambie G, et al. **Eur J Appl Physiol** 35(1):21–31, 9 Mar 76 (Eng. Abstr.) **(Ger)**
[Cardiac characteristics in children and adolescents engaged in swimming] Ivanitskaia IN, et al. **Pediatriia** (9):60–2, Sep 75 **(Rus)**
[Therapeutic swimming as a method of rehabilitative therapy in the sequelae of pelvic fractures] Cherkes–Zade DI. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):555–7, Nov–Dec 75 **(Rus)**
[Hemo– and cardiodynamics of the lesser circulation in those

engaged in winter swimming] Tel'niuk AM. **Vrach Delo** (1):46–9, Jan 76 **(Rus)**

SWIMMING POOLS

Editorial: Swimming pool rash. **Br Med J** 2(6031):344, 7 Aug 76

Sparkling pure water—in a swimming pool. Plumb RC. **J Chem Educ** 53(3):189–90, Mar 76

Pseudomonas aeruginosa rash associated with a whirlpool. Washburn J, et al. **JAMA** 235(20):2205–7, 17 May 76

[Experiences with the use and operation of the swimming pool at Karlovy Vary spa. V. I. Kinesitherapy in the swimming pool in gastrointestinal diseases] Javurek J, et al. **Fysiatr Reumatol Vestn** 53(5):309–14, Oct 75 (Eng. Abstr.) **(Cze)**

[Letter: Can one contract anguilluliasis in a swimming pool?] Brumpt LC. **Nouv Presse Med** 5(7):434–5, 14 Feb 76 **(Fre)**

[Letter: Role of public swimming pools in the transmission of intestinal anguillulosis] Jacquemin JL, et al. **Nouv Presse Med** 4(31):2271, 27 Sep 75 **(Fre)**

[Trichomonas vaginalis infections due to use of public swimming pools] Piekarski G, et al. **Immun Infekt** 1(1):22–5, Oct 73 (Eng. Abstr.) **(Ger)**

[Therapeutic swimming pools] Herschman W. **Schriftenr Ver Wasser Boden Lufthyg** (43):143–60, 1975 **(Ger)**

[Incidence and amoeba in swimming pool water] Mahn E, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):168–75, 1975 **(Ger)**

[Comparative studies on the disinfection effect of bromine and chlorine in swimming pools and model tests] Tiefenbrunner F. **Schriftenr Ver Wasser Boden Lufthyg** (43):127–41, 1975 **(Ger)**

[Amoeba meningoencephalitis (AME). (Swimming pool amoebiasis)] Werner H. **Schriftenr Ver Wasser Boden Lufthyg** (43):177–80, 1975 **(Ger)**

[Is the examination of drinkable water and swimming pools on presence of enteropathogenic E. coli necessary? (author's transl)] Dragaś AZ, et al. **Zentralbl Bakteriol [Orig B]** 160(1):60–4, 1975 (Eng. Abstr.) **(Ger)**

[Evidence of potentially pathogenic fungi in the swimming pool water] Tiano P, et al. **Ann Sclavo** 17(2):190–2, Mar–Apr 75 **(Ita)**

[Bacterial indices of water pollution in swimming pools with reference to various methods of water disinfection] Haman S. **Rocz Panstw Zakl Hig** 26(6):675–82, 1975 (Eng. Abstr.) **(Pol)**

[Bacterial flora of water in indoor swimming pools] Haman S. **Rocz Panstw Zakl Hig** 27(1):71–81, 1976 (Eng. Abstr.) **(Pol)**

[Staphylococci, fecal streptococci and coliform bacteria in the water of indoor swimming pools in selected Polish cities] Haman S, et al. **Rocz Panstw Zakl Hig** 27(3):241–9, 1976 (Eng. Abstr.) **(Pol)**

[Sanitary assessment of the regimen of running, purification and decontamination of water in swimming-pools] Balashov VN. **Gig Sanit** (10):93–5, Oct 75 **(Rus)**

STANDARDS

Letter: pH of swimming pools. Gordon H. **Br Med J** 2(6026):47, 3 Jul 76

[Investigations of bathing hygiene (author's transl)] Sacré C, et al. **Oeff Gesundheitswes** 37(10):675–83, Oct 75 (Eng. Abstr.) **(Ger)**

[Results of swimming-pool-filter examination] Botzenhart K, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):121–6, 1975 **(Ger)**

[Guidelines for pool construction and management] Carlson S, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):83–99, 1975 **(Ger)**

[Experiences in the supervision of swimming pools] Heintz A. **Schriftenr Ver Wasser Boden Lufthyg** (43):111–20, 1975 **(Ger)**

[Liability problems in connection with the use of public and private swimming pools] Seifert K. **Schriftenr Ver Wasser Boden Lufthyg** (43):181–204, 1975 **(Ger)**

[Problems of swimming-pool hygiene—report of experiences] Steuer W, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):101–9, 1975 **(Ger)**

SWINE

The anatomy, histology and biogenic compounds of the carotid body of the pig (Sus scrofa). Castello H, et al. **Acta Physiol Lat Am** 24(6):616–30, 1974

The SPS and digitonin tests applied to porcine mycoplasmas. Friis NF. **Acta Vet Scand** 16(3):474–6, 1975

The effect of physical training on skeletal muscle enzyme composition in pigs. Jorgensen PF, et al. **Acta Vet Scand** 16(3):368–78, 1975

Influence of thawing diluents on vitality, acrosome morphology, ultrastructure and enzyme release of deep frozen boar spermatozoa. Larsson K, et al. **Acta Vet Scand** 17(1):83–100, 1976

Fertility of deep frozen boar spermatozoa: influence of thawing diluents and of boars. Larsson K, et al. **Acta Vet Scand** 17(1):43–62, 1976

Fertility of deep frozen boar spermatozoa at various intervals between insemination and induced ovulation: influence of boars and thawing diluents. Larsson K. **Acta Vet Scand** 17(1):63–73, 1976

Influence of boars on the relationship between fertility and post thawing sperm quality of deep frozen boar spermatozoa. Larsson K, et al. **Acta Vet Scand** 17(1):74–82, 1976

The effect of exogenous administration of oestrogens on the function of the epididymis and the accessory sex glands in the boar. Linde C, et al. **Acta Vet Scand** 16(3):456–64, 1975

The applicability of agar-diffusion test in measuring deoxyribonucleases in pig intestinal content. Liven E. **Acta Vet Scand** 17(2):244–54, 1976

Biventricular dynamics during quantitated anteroseptal infarction in the porcine heart. Brooks H, et al. **Am J Cardiol** 36(6):765–75, Nov 75

Chapter III Acupuncture and moxibustion loci in the pig and their applications. Kao FF, et al. **Am J Chin Med** 4(1):87–98, Spring 76

Porcine malignant hyperthermia. Nelson TE, et al. **Am J Pathol** 84(1):197–9, Jul 76

Properties of two pig low density lipoproteins prepared by zonal ultracentrifugation. Calvert GD, et al. **Atherosclerosis** 22(3):583–99, Nov–Dec 75

An assessment of the vaginal biopsy technique of pregnancy diagnosis in sows. Williamson P, et al. **Aust Vet J** 51(2):91–3, Feb 75

Poultry and swine production in Latin America—prospects for expansion. Pino JA. **Basic Life Sci** 7:343–53, 1976

Effects of severe energy and protein deficiencies on the fibres and nuclei in skeletal muscle of pigs. Stickland NC, et al. **Br J Nutr** 34(3):421–8, Nov 75

The pathogenesis of reflux nephropathy (chronic atrophic pyelonephritis). Hodson CJ, et al. **Br J Radiol** Suppl 13:1–26, 1975

Contamination of agricultural products by halogenated biphenyls. Jones DH, et al. **Can Vet J** 16(12):349–56, Dec 75

Precordial and epicardial surface potentials during Myocardial ischemia in the pig. A theoretical and experimental analysis of the TQ and ST segments. Holland RP, et al. **Circ Res** 37(4):471–80, Oct 75

Natural history of autologous blood clot embolization in swine. Osterman FA, et al. **Invest Radiol** 11(4):267–76, Jul–Aug 76

Testing of myelographic contrast media using the pig as an experimental animal. Punto L, et al. **Invest Radiol** 11(4):331–4, Jul–Aug 76

Determination of ronidazole in swine tissues by differential pulse polarography. Cala PC, et al. **J Agric Food Chem** 24(4):764–7, Jul–aug 76

Diurnal and annual fluctuations of aerial bacterial and dust levels in enclosed swine houses. Curtis SE, et al. **J Anim Sci** 41(5):1502–11, Nov 75

Relative and qualitative aspects of aerial bacteria and dust in swine houses. Curtis SE, et al. **J Anim Sci** 41(5):1512–20, Nov 75

Diets for rearing colostrum-free piglets with an automatic feeding device. Lecce JG, et al. **J Anim Sci** 42(3):622–9, Mar 76

Xenografts. Duran CM. **J Cardiovasc Surg (Torino)** Spec No:390–2, 1973

Porcine aortic valves for replacement of human heart valves. Zuhdi N, et al. **J Cardiovasc Surg (Torino)** Spec No:425–9, 1973

Cardiorespiratory sequelae in a model of sudden infant death. Bonner RA, et al. **J Maine Med Assoc** 67(4):94–6, Apr 76

Response of the young pig to intrajejunal perfusion with a hypertonic nutrient solution. Katz L, et al. **J Pediatr** 87(4):606–8, Oct 75

Boar seminal zinc-precipitable protein and the haemagglutinin. Boursnell JC, et al. **J Reprod Fertil** 45(3):415–20, Dec 75

The absorption by boar spermatozoa of zinc bound to low molecular weight ligands. Boursnell JC, et al. **J Reprod Fertil** 45(3):421–6, Dec 75

Proceedings: Fertility of boar semen frozen-stored for 2 1/2 years. Salamon S, et al. **J Reprod Fertil** 46(2):538, Mar 76

Experience in the application of porcine xenografts to split-graft donor sites. Aronoff M, et al. **J Trauma** 16(4):280–3, Apr 76

Letter: Which prostitute valve? Bonchek LI. **Lancet** 1(7967):1018, 8 May 76

Studies on the possible occurrence of mycoplasmas in boar semen. **Nord Vet Med** 27(11):557–61, Nov 75

Preweaning mortality in pigs. 7. Polyarthritis. Nielsen NC, et al. **Nord Vet Med** 27(11):529–43, Nov 75

Fear-dependent variations in continuous avoidance behavior of pigs. II. Effects of diazepam on acquisition and performance of Pavlovian fear conditioning and plasma corticosteroid levels. Dantzer R, et al. **Psychopharmacol Bull** 49(1):75–8, 26 Aug 76

Fear-dependent variations in continuous avoidance behavior of pigs. I. Lack of effect of diazepam on performance of discriminative fear conditioning. Dantzer R, et al. **Psychopharmacol Bull** 49(1):69–73, 26 Aug 76

Optimization irradiation conditions for determination of LD50 in pigs. Procházka Z, et al. **Strahlentherapie** 150(5):526–31, Nov 75

Autotransplantation of porcine islets of Langerhans. Lampe EW, et al. **Surgery** 79(02):138–43, Feb 76

[Lyophilized pig bladder as a partial bladder wall substitute (author's transl)] Kelâmi A, et al. **Urol Int** 31(3):211–6, 1976 (Eng. Abstr.)

Ventilation systems for swine housing. Meyer VM. **Vet Med Small Anim Clin** 70(8):992–3, Aug 75

A mobile restraint cage for swine and small ruminants. Thurmon JC, et al. **Vet Med Small Anim Clin** 71(2):196–7, Feb 76

Preliminary studies of the actions of alphaxalone and alphadolone in the pig. Cox JE, et al. **Vet Rec** 97(25–26):497–8, 20–27 Dec 75

Letter: Snout rubbing in weaned pigs. Tindall JR. **Vet Rec** 98(17):345–6, 24 Apr 76

Enzyme profile of heart and skeletal muscles, liver and kidney of cows and pigs. Bogin E, et al. **Zentralbl Veterinaermed [A]** 23(05):394–400, Jul 76

[Orthotopic liver allotransplantation in pigs (obstruction of the bile ducts, liver sepsis and healing of the graft in the longer-surviving animals)] Kořístek V, et al. **Rozhl Chir** 54(8):575–86, Aug 75 (Eng. Abstr.) **(Cze)**

[Effect of the standard of hygiene in the care for breeding boars and of the technic of semen collection on the number of pathogens in the boar ejaculate] Kozumplik J. **Vet Med (Praha)** 20(9):519–25, Sep 75 (Eng. Abstr.) **(Cze)**

[Artificial insemination in pigs: study of conception conditions with use of 2 inseminations in heat with about 24 hours interval] Meding JH. **Nord Vet Med** 28(4–5):217–20, Apr–May 76 (Eng. Abstr.) **(Dan)**

[Letter: Sedaperone and Hypnodil as anesthesia in cesarean section in swine] Skydsgaard P. **Nord Vet Med** 28(4–5):271–3, Apr–May 76 **(Dan)**

[Hygiene in the rearing of piglets. A study of the effect of hygiene and the bacterial content of drinking-water and feed of baby pigs on a number of health and performance characteristics on pig-breeding farms (author's transl)] Hutschemaekers LW, et al. **Tijdschr Diergeneeskd** 101(7):355–64, 1 Apr 76 (Eng. Abstr.) **(Dut)**

[Sperm examination of the boar (author's transl)] Remmen JL, et al. **Tijdschr Diergeneeskd** 101(11):599–610, 1 Jun 76 (Eng. Abstr.) **(Dut)**

[Inability to have erections in male swine (author's transl)] Smidt WJ. **Tijdschr Diergeneeskd** 100(9):503–6, 1 May 75 (Eng. Abstr.) **(Dut)**

[Electrical stunning of pigs intended for slaughter(author's transl)] Van Der Wal PG, et al. **Tijdschr Diergeneeskd** 100(18):969–75, 15 Sep 75 (Eng. Abstr.) **(Dut)**

[Fractures of the scapula in pigs intended for slaughter (author's transl)] Van der Wal PG, et al. **Tijdschr Diergeneeskd** 100(11):597–603, 1 Jun 75 (Eng. Abstr.) **(Dut)**

[Effects of lethal overexposure on gastric secretion in the pig] Rémy J, et al. **Strahlentherapie** 150(5):532–8, Nov 75 (Eng. Abstr.) **(Fre)**

[Histochemical and histological studies on the vagina of pigs with in various phases of the estrus cycle (author's transl)] Zagórowski T, et al. **Acta Histochem (Jena)** 55(1):124–46, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the question of a homogeneous chemical composition of the femur in swine] Ehler E, et al. **Anat Anz** 138(4):332–40, 1975 **(Ger)**

[Detection of pathogenic leptospira in the waste water and sewage sludge of large pig breeding sites] Minzat RM, et al. **Arch Exp Veterinaermed** 29(4):557–62, 1975 (Eng. Abstr.) **(Ger)**

[Effect of endogenous factors on ash concentration and contents of calcium, magnesium, potassium, sodium, phosphorus, zinc, iron, copper and manganese in the bristles of pigs. 5. Mineral composition of pig bristels influenced by pregnancy and lactation] Gümz W, et al. **Arch Tierernaehr** 26(1):51–60, Jan 76 (Eng. Abstr.) **(Ger)**

[The general anesthetic Ketanest (Vetaler for anesthesia of young Göttinger miniature swine] Berger M, et al. **Berl Munch Tieraerztl Wochenschr** 89(16):309–13, 15 Aug 76 (Eng. Abstr.) **(Ger)**

[Effect of varying suckling periods on the reproductive activity in breeding sows] Bogner H, et al. **Berl Munch Tieraerztl Wochenschr** 88(11):209–10, Jun 75 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of fenbendazole. 2.] Düwel D, et al. **Berl Munch Tieraerztl Wochenschr** 88(21):418–9, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Histochemical changes in the cervix uteri of swine in late pregnancy II] Endell W, et al. **Berl Munch Tieraerztl Wochenschr** 89(16):313–6, 15 Aug 76 (Eng. Abstr.) **(Ger)**

[Oral iron administration through drinking water as compared with parenteral administration of iron dextran preparations in piglets] Meyer P, et al. **Berl Munch Tieraerztl Wochenschr** 88(21):409–12, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Adverse effect of estradiol when used for hormonal pregnancy diagnosis in swine] Schilling E, et al. **Berl Munch Tieraerztl Wochenschr** 88(20):385–6, 15 Oct 75 (Eng. Abstr.) **(Ger)**

[A rotating aeration process (System FUCHS) for the treatment of liquid animal and municipal waste. 2nd communication. Hygienic studies during rotating aeration of pig slurry)] Wassen H, et al. **Berl Munch Tieraerztl Wochenschr** 89(5):96–8, 1 Mar 76 **(Ger)**

[Pregnancy and fertility testing in swine by means of plasma progesterone determination] Meyer JN, et al. **Dtsch Tieraerztl Wochenschr** 82(12):473–5, 5 Dec 75 **(Ger)**

[Chronism in pigs] Sambraus HH.
Dtsch Tieraerztl Wochenschr 83(1):17–9, 5 Jan 76 (Eng. Abstr.) **(Ger)**

[Effect of azathioprine on reproductive functions in the Göttingen miniature swine] Seidenkranz HG, et al.
Dtsch Tieraerztl Wochenschr 82(6):238–44, 5 Jun 75 (Eng. Abstr.) **(Ger)**

[Observation on cannibalism in boars (Sus scrofa). (Brief communication)] Wennrich G.
Dtsch Tieraerztl Wochenschr 83(2):68, 5 Feb 76 **(Ger)**

[The Goettingen miniature swine as an experimental animal. I. Review of literature, breeding and handling, cardiovascular parameters] Beglinger R, et al.
Res Exp Med (Berl) 165(3):251–63, 24 Sep 75 (Eng. Abstr.) **(Ger)**

[Blood specimen collection and intravenous injection in the swine] Bertschinger H, et al. **Schweiz Arch Tierheilkd** 117(12):701–11, Dec 75 (Eng. Abstr.) **(Ger)**

[Residues in hog carcasses following therapeutic administration of chloramphenicol] Schmidt U.
Tieraerztl Prax 3(1):37–40, 1975 **(Ger)**

[Ultrasonic Doppler technic. Its use in gynecological and obstetrical diagnosis in swine as well as a suggestion for suitable office use] Wilkens W. **Tieraerztl Prax** 2(4):395–8, 1974 **(Ger)**

[Morphological, clinical and biochemical findings on the swine-liver after heterologous perfusion for treatment of fatal ammonium bichromate poisoning] Mahnke PF, et al.
Z Gesamte Inn Med 31(10):321–7, 15 May 76 (Eng. Abstr.) **(Ger)**

[Field observations on aggressive and sexual behavior of the European wild swine (Sus scrofa L.)] Beuerle W.
Z Tierpsychol (39):211–58, 1975 (Eng. Abstr.) **(Ger)**

[Incidence and genesis of stomach ulcer following orthopic homologous liver transplantation in swine] Mahnke PF, et al. **Zentralbl Chir** 100(16):990–6, 1975 **(Ger)**

[Statistics, heredity and correlations between some features of the circulatory system in female German Landrace swine. II. Heritabilities and gene frequencies] Reetz I, et al. **Zentralbl Veterinaermed [A]** 22(9):741–55, Nov 75 (Eng. Abstr.) **(Ger)**

[The nutritional level in the production of heavy-weight swine: effects on characteristics of the carcass and quality of the meat] Falaschini AF, et al.
Boll Soc Ital Biol Sper 51(9–10):552–7, 30 May 75 **(Ita)**

[Transplantation of xenogenic aortic valves treated with formaldehyde] Ventsel' KP, et al. **Eksp Khir Anesteziol** (3):20–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in boar spermatozoa during freezing–thawing] Shapiev ISh. **Tsitologiia** 17(7):856–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Automatic distribution of water in breeder-pigsties] Baluk VP, et al. **Veterinariia** (8):27–8, Aug 75 **(Rus)**

[Use of preparations of flower pollens and lactobacilli] Beshlin R. **Veterinariia** (2):118–9, Feb 75 **(Rus)**

[Method of determination of carbon dioxide] Dolgov VS. **Veterinariia** (2):21–2, Feb 75 **(Rus)**

[Use of hypochlor for disinfection in commercial swine raising] Dudnitskil IA, et al. **Veterinariia** (10):23–6, Oct 75 **(Rus)**

[Natural resistance of unweaned suckling-pigs during local gas warming] Gol'dinshtein RS, et al. **Veterinariia** (12):32–4, Dec 75 **(Rus)**

[Veterinary sanitation measures in commercial swine breeding] Iarnykh VS, et al. **Veterinariia** (9):26–8, Sep 74 **(Rus)**

[Effect of phenylmercuracetate on the bone marrow cells of swine] Kalmykova TP. **Veterinariia** (8):91–2, Aug 75 **(Rus)**

[Hematopoiesis and immunologic reactivity in swine] Karput' IM. **Veterinariia** (2):34–7, Feb 75 **(Rus)**

[Methods of bone marrow puncture in the study of chromosomes in swine] Krasavtsev IuF. **Veterinariia** (2):88–90, Feb 76 **(Rus)**

[Aseptic extraction of sperm from boars] Logvinov DD, et al. **Veterinariia** (2):74–6, Feb 76 **(Rus)**

[Levels of vitamins in the products of slaughtered swine raised under various conditions] Shestakov IuM.
Veterinariia (3):107–8, Mar 76 **(Rus)**

[Possibility of using air recirculation in swine houses] Volkov GK, et al. **Veterinariia** (9):29–32, Sep 74 **(Rus)**

ANATOMY & HISTOLOGY

Electron microscopic studies of estrogen-induced ciliogenesis and secretion in uterine tube of the gilt. Nayak RK, et al. **Am J Vet Res** 37(2):189–97, Feb 76

Ultrastructural studies of prepubertal porcine uterine tube epithelium. Nayak RK, et al. **Am J Vet Res** 37(9):1001–10, Sep 76

Uterine vasculature of the pregnant pig: a scanning electron microscope study. MacDonald AA. **Anat Rec** 184(4):689–97, Apr 76

Vascular supply of the lungs through direct branches of the aorta in domestic pig. Calka W. **Folia Morphol (Warsz)** 34(2):135–42, 1975

Microscopic structure of pig skin. Mawafy M, et al.
J Anim Sci 41(5):1281–90, Nov 75

Effect of fascicular arrangement on the apparent number of myofibers in the porcine longissimus muscle. Swatland HJ.
J Anim Sci 41(3):794–8, Sep 75

Scanning electron microscopic study of the porcine oviduct and uterus. Wu AS, et al. **J Anim Sci** 42(4):804–9, Apr 76

Fine structure of the multiple sperm syncytium in the boar testes. Kojima Y, et al. **Jpn J Vet Sci** 37(6):555–68, Dec 75

Letter: Endotracheal intubation of miniature swine. Wachtel TL, et al. **Lab Anim Sci** 26(2 Pt 1):127–8, Apr 76

Skin tension lines in the domestic pig. Rose EH, et al.
Plast Reconstr Surg 57(6):729–32, Jun 76

Atrophic rhinitis: significance of nasal measurements in specific-pathogen-free (SPF) swine herds. Schwartz WL, et al. **Vet Med Small Anim Clin** 70(10):1213–6, Oct 75

Myofibre number and myofibrillar development in neonatal pigs. Swatland HJ. **Zentralbl Veterinaermed [A]** 22(9):756–63, Nov 75

[Ultrastructure and ultrahistochemistry of Schweigger-Seidel's splenic capillary sheaths in the swine] Schlüns J, et al. **Verh Anat Ges** 68:529–38, 1974 **(Ger)**

[Histometric findings in the adrenals of the domestic pig with reference to constitutional defects] Haid H.
Z Mikrosk Anat Forsch 89(3):479–85, 1975 (Eng. Abstr.) **(Ger)**

[Statistics, heredity and correlations between some features of the circulatory system in female German Landrace swine. III. Correlations and regressions] Feder H, et al. **Zentralbl Veterinaermed [A]** 22(10):819–46, Dec 75 (Eng. Abstr.) **(Ger)**

[Statistics, heredity and correlations between some features of the circulatory system in female German Landrace Swine. I. Mean values and environmental effects] Wegner W, et al. **Zentralbl Veterinaermed [A]** 22(8):645–70, Oct 75 (Eng. Abstr.) **(Ger)**

BLOOD

The diagnostic value of plasma selenium estimations of blood samples collected in conjunction with exsanguination of swine. Simesen MG, et al. **Acta Vet Scand** 16(4):551–3, 1975

Pig reticulocytes: I. Transitory glucose permeability and metabolism. Kim HD, et al. **Am J Physiol** 230(6):1668–75, Jun 76

Pig reticulocytes: II. Characterization of density-fractionated maturing reticulocytes. Kim HD, et al. **Am J Physiol** 230(6):1676–82, Jun 76

Sequential changes of estrogens and progesterone at prostaglandin-induced parturition in the sow. Gustafsson B, et al. **Am J Vet Res** 37(9):1017–20, Sep 76

T and B lymphocytes in porcine blood. Shimizu M, et al.
Am J Vet Res 37(3):309–17, Mar 76

Eabgmnop(=E15), a new allele in the E blood-group system of the pig. Linhart J, et al.
Anim Blood Groups Biochem Genet 6(1):57–9, 1975

The lack of relationship between plasma progesterone levels and number of embryos and their survival in the pig. Webel SK, et al. **Biol Reprod** 13(2):177–86, Sep 75

Quantitative evaluation of the total number and distribution of lymphocytes in young pigs. Pabst R, et al. **Blut** 31(2):77–86, Aug 75

Lymphocytosis in normal young pigs. McTaggart HS.
Br Vet J 131(5):574–9, Sep–Oct 75

Comparative studies on plasma low density lipoproteins from pig and man. Jackson RL, et al.
Comp Biochem Physiol [B] 53(2):245–53, 1976

Relaxin concentrations in pig plasma following the administration of prostaglandin F2alpha during late pregnancy. Sherwood OD, et al. **Endocrinology** 98(4):875–9, Apr 76

Distribution of the A blood-group activity in porcine serum. Radaš A, et al. **Experientia** 32(7):929–30, 1976

Immunological identity of human and porcine growth hormones. Application to determination of growth hormone in porcine serum. Etzrodt H, et al.
Hoppe Seylers Z Physiol Chem 356(12):1839–41, Dec 75

Efficacy of menadione dimethylpyrimidinol bisulfite as a source of vitamin K in swine diets. Seerley RW, et al.
J Anim Sci 42(3):599–607, Mar 76

Serum thyroxine concentration in sows housed in a subtropical area. Wan WC, et al. **J Anim Sci** 41(1):124–8, Jul 75

Proceedings: Secretin radioimmunoassay in the pig. Bloom SR, et al. **J Endocrinol** 67(2):67P, Nov 75

Plasma luteinizing hormone and testosterone in the adult male pig: 24 hour fluctuations and the effect of copulation. Ellendorff F, et al. **J Endocrinol** 67(3):403–10, Dec 75

Immunochemical studies on blood groups LXII. Fractionation of hog and human A, H, and AH blood group active substance on insoluble immunoadsorbents of Dolichos and Lotus lectins. Pereira ME, et al.
J Exp Med 143(2):422–36, 1 Feb 76

Factors influencing serum cholesterol levels in swine. Rothschild MF, et al. **J Hered** 67(1):47–8, Jan–Feb 76

Effects of dietary fat on lipid composition of serum and erythrocytes of the swine and in vitro incorporation of fatty acids into erythrocyte membranes. Sato H.
J Nutr Sci Vitaminol (Tokyo) 20(6):451–69, 1974

Proceedings: Plasms progesterone levels in non-pregnant sows showing delayed return to oestrus following mating. Hennessy DP, et al. **J Reprod Fertil** 46(2):527, Mar 76

Factors affecting serum creatine phosphokinase activity in pigs. Mitchell G, et al. **J S Afr Vet Assoc** 46(2):145–8, Jun 75

Plasma glucose in miniature swine infused with ethanol and fructose. Burke JP, et al. **J Stud Alcohol** 37(1):1–10, Jan 76

The levels of selenium and glutathione peroxidase activity in blood of sheep, cows and pigs. McMurray CH, et al.
Res Vet Sci 20(2):229–31, Mar 76

Vitamin B12 and its binding proteins in the serum of some wild game species. Green R, et al. **S Afr J Med Sci** 40(1):9–13, 1975

Proceedings: Fibrin plate studies of plasminogen activator and inhibitor from pig leucocytes. Stegnar M, et al.
Thromb Diath Haemorrh 34(1):339, 30 Sep 75

Some normal biochemical parameters of pigs in Pupua New Guinea. Copland JW. **Trop Anim Health Prod** 8(2):71–81, May 76

Normal haematological parameters of pigs in Papua New Guinea. Copland JW. **Trop Anim Health Prod** 8(2):63–9, May 76

[Level of estrogens in the blood of swine during pregnancy] K'nchev L, et al. **Vet Med Nauki** 12(9):51–5, 1975 (Eng. Abstr.) **(Bul)**

[Acid-base values of porcine blood] Stros K, et al.
Vet Med (Praha) 20(7):327–37, Jun 75 (Eng. Abstr.) **(Cze)**

[Maternal and fetal corticosteroids in the sow at the end of gestation] Fèvre J. **C R Acad Sci [D] (Paris)** 281(24):2009–12, 22 Dec 75 (Eng. Abstr.) **(Fre)**

[Quantitative variations in the plasma testosterone in male pigs, from birth to adult] Meusy-Dessolle N.
C R Acad Sci [D] (Paris) 281(23):1875–8, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Glucose concentration in blood during exertion. 5. Use of the total distribution of blood glucose values during physical exercise or the estimation of response to exertion in various breeds of swine] Bünger U, et al.
Arch Exp Veterinaermed 29(1):83–97, 1975 (Eng. Abstr.) **(Ger)**

[Lactic acid content of blood plasma in domestic swine of various breeds during physical exertion] Bünger U, et al.
Arch Exp Veterinaermed 29(1):73–82, 1975 (Eng. Abstr.) **(Ger)**

[The hydroxyproline content of blood plasma in the progeny of German landrace pigs as determined through gas chromatography] Feder H, et al.
Dtsch Tieraerztl Wochenschr 82(5):198–202, 5 May 75 (Eng. Abstr.) **(Ger)**

[Studies on the effect of azathioprine on the peripheral blood picture and hematopoietic organs in the Göttingen miniature pig] Perings E, et al.
Dtsch Tieraerztl Wochenschr 82(7):281–5, 5 Jul 75 (Eng. Abstr.) **(Ger)**

[The cortisol concentration in plasma of newborn piglets and after ACTH loading] Brenner KV, et al. **Endokrinologie** 67(2):198–203, Jun 76 (Eng. Abstr.) **(Ger)**

[Protein evaluation based on intermediary protein metabolism criteria] Bergner H. **Nahrung** 19(9–10):855–64, 1975 (Eng. Abstr.) **(Ger)**

[Comparison of free amino acids in blood serum of men and animals. II. Communication: Man, rabbit, guinea pig, swine] Liappis N, et al. **Z Tierphysiol** 36(2):87–91, Dec 75 (Eng. Abstr.) **(Ger)**

[Quantitative determination of glyceride-glycerin in cattle and swine serum] Thiele OW, et al.
Zentralbl Veterinaermed [A] 23(2):161–6, Mar 76 (Eng. Abstr.) **(Ger)**

[Polyacrylamide gel block electrophoretic study of the blood serum of adult swine] Aleshko SF, et al. **Biol Nauki** (5):41–4, 1975 **(Rus)**

[Genetic polymorphism of amylase and ceruloplasmin in 2 breeds of swine reared in southern Ukraine] Plakhotnikov AG. **Tsitol Genet** 8(6):547, Nov–Dec 74 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

A comparison of cholinesterase activity of plasma, erythrocytes, and cerebrospinal fluid of sheep, calves, dogs, swine, and rabbits. Hazelwood JC, et al. **Am J Vet Res** 37(6):741–3, Jun 76

EMBRYOLOGY

Histological and ultrastructural observations on the development of the lung of the fetal pig. Baskerville A.
Acta Anat (Basel) 95(2):218–33, 1976

Ultrastructure of the early ovary and testis in pig embryos. Pelliniemi LJ. **Am J Anat** 144(1):89–111, Sep 75

Functional structure of the glomerular filtration barrier and the proximal tubuli in the developing foetal and neonatal pig kidney. Bergelin IS, et al. **Anat Embryol (Berl)** 148(3):223–34, 31 Dec 75

Ultrastructure of gonadal ridge in male and female pig embryos. Pelliniemi LJ. **Anat Embryol (Berl)** 147(1):20–34, 9 Jun 75

Ontogeny of the pig hypothalamic neurosecretory system with particular reference to the distribution of neurophysin. Ellis HK, et al. **Cell Tissue Res** 164(4):543–57, 18 Dec 75

Studies on development of the adenohypophysis in the domestic pig. Bielańska-Osuchowska Z, et al.
Folia Morphol (Warsz) 34(2):143–9, 1975

Development of the adenohypophysis in the embryo of the domestic pig. Liwska J. **Folia Morphol (Warsz)** 34(3):211–7, 1975

Specific fetal serum proteins in pig. pp. 117–24. Zizkovsky V, et al.
In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.

Distribution and development of embryos in the pig. Anderson LL, et al. **J Reprod Fertil** 46(2):363–8, Mar 76

Juxtaglomerular cell granules in the developmental

mesonephros and metanephros of swine embryos. Matsuhashi H, et al. **Jpn J Vet Sci** 37(3):261–9, Jun 75

Ultrastructure of the indifferent gonad in male and female pig embryos. Pelliniemi LJ. **Tissue Cell** 8(1):163–74, 1976

GROWTH & DEVELOPMENT

Effects of sewage sludge–fertilized corn fed to growing swine. Hansen LG, et al. **Am J Vet Res** 37(6):711–4, Jun 76

Effects on growing swine and sheep of two polychlorinated biphenyls. Hansen LG, et al. **Am J Vet Res** 37(9):1021–4, Sep 76

The morphological and functional differentiation of the alimentary canal of the pig during ontogeny. I. Development and differentiation of the fundic portion of the stomach. Georgieva R, et al. **Anat Anz** 137(1–2):12–15, 1975

The morphological and functional differentiation of the alimentary canal of the pig during ontogeny. II. Development and differentiation of the jejunum. Georgieva R, et al. **Anat Anz** 137(1–2):16–20, 1975

Somatic and visceral growth, and adiposity in the pig after partial small bowel resection. I. – Variations according to the kinds of operations, to the specific location along the intestinal tract and to the sex of the animals. Laplace JP. **Ann Rech Vet** 6(3):265–88, 1975

Some aspects of the use of anabolic steroids in pigs. Fowler VR. **Environ Qual Saf [Suppl]** (5):109, 1976

The effect of an anabolic agent on N deposition, growth, and slaughter quality in growing castrated male pigs. van Weerden EJ, et al. **Environ Qual Saf [Suppl]** (5):115–22, 1976

Growth of the pig: patterns of changes in electrolytes, water, and protein. Chuntananukoon S, et al. **Growth** 40(1):99–106, Mar 76

Growth, development and chemical composition of the pig. III. Bone, ash and moisture. Doornenbal H. **Growth** 39(4):427–34, Dec 75

Growth of the pig: changes in body weight and body fluid compartments. Setiabudi M, et al. **Growth** 39(4):405–15, Dec 75

Growth of the pig: changes in red cell and plasma volumes. Setiabudi M, et al. **Growth** 40(2):127–32, Jun 76

Effects of iodine level on performance and thyroid traits of growing pigs. Cromwell GL, et al. **J Anim Sci** 41(3):813–8, Sep 75

Effects of aerial ammonia, hydrogen sulfide and swine–house dust on rate of gain and respiratory–tract structure in swine. Curtis SE, et al. **J Anim Sci** 41(3):735–9, Sep 75

Rearing piglets artificially in a farm environment: a promise unfulfilled. Lecce JG. **J Anim Sci** 41(2):659–66, Aug 75 (32 ref.)

Nutritional studies with the early weaned neonatal pig. Menge H, et al. **J Anim Sci** 42(1):99–105, Jan 76

Aflatoxin residues in tissues of growing swine: effect of separate and mixed feeding of protein and protein–free portions of the diet. Murthy TR, et al. **J Anim Sci** 41(5):1339–47, Nov 75

Source and level of phosphorus for growing–finishing swine. Newman CW, et al. **J Anim Sci** 42(1):92–8, Jan 76

Growth patterns in swine. Robison OW. **J Anim Sci** 42(4):1024–35, Apr 76 (47 ref.)

Effect of growth hormone on growth in immature hypophysectomized pigs. Anderson LL, et al. **J Endocrinol** 68(02):345–6, Feb 76

Plasma levels of luteinizing hormone, progesterone, testosterone and 5 alpha–dihydrotestesterone in male and female pigs during sexual maturation. Elsaesser F, et al. **J Endocrinol** 68(02):347–8, Feb 76

The use of the pig as an animal model to study problems associated with low birthweight. Cooper JE. **Lab Anim** 9(4):329–36, Oct 75

The effect of grassmeal and alfalfa meal on daily gain, thickness of backfat and on the esophagogastric region in bacon pigs. Björklund N–E, et al. **Nord Vet Med** 28(1):33–9, Jan 76

[Tests on the bactericidal effectiveness of iodophor A in the halls of a pig–fattening station] Kubíček K. **Vet Med (Praha)** 20(4):185–92, Apr 75 (Eng. Abstr.) **(Cze)**

[The influence of Ascaris suum infection upon growth rates in pigs (author's tranls)] Andersen S. **Nord Vet Med** 28(6):322–30, Jun 76 (Eng. Abstr.) **(Dan)**

[Ultrastructure of interstitial cells in the porcine testis development] Dierichs R, et al. **Verh Anat Ges** 68:251–4, 1974 (Eng. Abstr.) **(Ger)**

[Histochemistry of interstitial cells in the porcine testis during postnatal development] Wrobel KH, et al. **Verh Anat Ges** 68:247–9, 1974 (Eng. Abstr.) **(Ger)**

[Growth and differentiation of Sertoli cells in the procine testis during postnatal ontogenesis] Wrobel KH, et al. **Verh Anat Ges** 69:723–4, 1975 (Eng. Abstr.) **(Ger)**

[Olaquindox – a new growth promoter in animal nutrition. 1. Effectiveness in raising piglets] Bronsch K, et al. **Z Tierphysiol** 36(4):211–21, Feb 76 (Eng. Abstr.) **(Ger)**

[Effect of feed composition on the occurrence of esophagogastric ulcers and on fattening performance in swine] Ehrensperger F, et al. **Zentralbl Veterinaermed [A]** 23(04):265–76, May 76 (Eng. Abstr.) **(Ger)**

[The nutritional level in the production of heavy–weight swine: effects on principal zootechnical provisions] Ricci Bitti F, et al. **Boll Soc Ital Biol Sper** 51(9–10):546–51, 30 May 75 **(Ita)**

[Raise the efficiency of production (the experience of veterinary service for a swine–rearing complex)] Shchigorets NE. **Veterinariia** (10):13–7, Oct 75 **(Rus)**

[Limiting amino acids of chickpeas (Cicer arietinum) for chickens and pigs] Shimada A, et al. **Arch Latinoam Nutr** 25(4):363–75, Dec 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Distributions of immunoglobulin–containing cells in alimentary tract, spleen, and mesenteric lymph node of the pig demonstrated by peroxidase–conjugated antiserums to porcine immunoglobulins G, A, and M. Brown PJ, et al. **Am J Vet Res** 37(1):9–13, Jan 76

Preparation of monospecific antiserums against porcine immunoglobulins, using agarose–linked immunosorbents. De Buysscher EV, et al. **Am J Vet Res** 36(9):1323–6, Sep 75

Isolation of porcine secretory immunoglobulin A by affinity chromatography and determination of its component chains. De Buysscher EV, et al. **Am J Vet Res** 36(11):1659–61, Nov 75

Serum antibody to Escherichia coli heat–labile enterotoxin in cattle and swine. Whipp SC, et al. **Am J Vet Res** 37(8):905–6, Aug 76

Immunoglobulins in porcine umbilical cord blood and maternal placenta. Yabiki T, et al. **Am J Vet Res** 37(5):535–40, May 76

Isoimmune anti–A blood group reagents in pigs. Hojný J, et al. **Anim Blood Groups Biochem Genet** 6(2):101–7, 1975

Antibody response in sows following intramammary or intramuscular immunization with a killed Escherichia coli vaccine. Watson DL. **Aust J Exp Biol Med Sci** 53(4):305–13, Aug 75

Interaction of pig lymphocytes with allogenic kidney cells in vitro. Daniel MR, et al. **Br J Exp Pathol** 56(4):349–57, Aug 75

Prevalence of antibodies to porcine enteroviruses and porcine parvovirus in body fluids of fetal pigs from small vs large litters. Cropper M, et al. **J Am Vet Med Assoc** 168(3):233–5, 1 Feb 76

Effect of supplemental dietary vitamin E on the serologic response of swine to an Escherichia coli bacterin. Ellis RP, et al. **J Am Vet Med Assoc** 168(3):231–2, 1 Feb 76

Immunoglobulin–containing cells in pig mammary gland. Brown PJ, et al. **J Anat** 120(2):329–35, Nov 75

Differences between pig tissues in the expression of major transplantation antigens: possible relevance for organ allografts. Davies HS, et al. **J Exp Med** 143(4):987–92, 1 Apr 76

Immunization for kidney worm disease (stephanuriasis) of swine I. Somatic antigens. Tromba FG, et al. **J Parasitol** 62(2):250–5, Apr 76

Linkage of the pig main histocompatibility complex and the J blood group system. Hruban V, et al. **Tissue Antigens** 7(5):267–71, May 76

Orthotopic heart transplantation in the pig: the pattern of rejection. Calne RY, et al. **Transplant Proc** 8(1):27–30, Mar 76

The respiratory tract immune system in the pig. I. Distribution of immunoglobulin–containing cells in the respiratory tract mucosa. Bradley PA, et al. **Vet Pathol** 13(2):81–9, 1976

The respiratory tract immune system in the pig. II. associated lymphoid tissues. Bradley PA, et al. **Vet Pathol** 13(2):90–7, 1976

Humoral immunity in the pig. Bourne FJ. **Vet Rec** 98(25):499–501, 19 Jun 76 (39 ref.)

Chlamydial antibodies in pigs in Scotland. Harris JW. **Vet Rec** 98(25):505–6, 19 Jun 76

[Immunological reactivity of suckling pigs born to sows immunized against the lapinized K vaccine] Gavrilov N, et al. **Vet Med Nauki** 12(6):62–72, 1975 (Eng. Abstr.) **(Bul)**

[Alloantigens directed by the SL–A region control the mixed lymphocyte reaction in swine] Vaiman M, et al. **C R Acad Sci [D] (Paris)** 280(24):2809–12, 23 Jun 75 (Eng. Abstr.) **(Fre)**

[Studies on the immunosuppressive effect of azathioprine in the Götingen miniature pig] Meyer JN, et al. **Dtsch Tieraerztl Wochenschr** 82(10):405–8, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Oral, active immunization of newborn piglets against Escherichia coli: efficiency tests using the intestinal ligature test] Baljer G, et al. **Zentralbl Veterinaermed [B]** 22(6):488–98, Aug 75 (Eng. Abstr.) **(Ger)**

[Preparation of porcine IgA and its detection using the fluorescent antibody technic] Rajčáni J, et al. **Vet Med (Praha)** 20(9):547–54, Sep 75 (Eng. Abstr.) **(Slo)**

[The role of cholinergic processes in the body's resistance] Saĭko OO. **Fiziol Zh** 21(4):494–9, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Thyroxine utilization rate in sucking pigs. Slebodzińske A. **Acta Physiol Pol** 26(3):249–54, May–Jun 75

5alpha–androstenone in fat from boars selected for rate of gain and thickness of back fat, and from boars used in artificial insemination service. Andresen O, et al. **Acta Vet Scand** 16(4):492–502, 1975

Tryptophan metabolism in pigs: relation to synthesis and function of serotonin. Hyldgaard–Jensen J, et al. **Acta Vet Scand** 17(2):113–30, 1976

The zinc–myoglobin relationships in porcine muscles. Jorgensen PF, et al. **Acta Vet Scand** 17(1):101–6, 1976

Renal excretion of digoxin in swine and goats. Rasmussen F, et al. **Acta Vet Scand** 16(4):525–36, 1975

Pharmacokinetics of hexobarbital, sulphadimidine and chloramphencoliin neonatal and young pigs. Svendsen O. **Acta Vet Scand** 17(1):1–14, 1976

Developmental changes of protein, RNA, DNA, lipid, and glycogen in the liver, skeletal muscle, and brain of the piglet. A methodological and experimental study with special reference to protein synthesis. Hakkarainen J. **Acta Vet Scand [Suppl]** (59):1–198, 1975

Protein synthesis and RNA in tissues of the pig. Garlick PJ, et al. **Am J Physiol** 230(4):1108–12, Apr 76

Lipolytic activity of swine adipocytes. Mersmann HJ, et al. **Am J Physiol** 230(5):1439–43, May 76

Isolation and metabolism cage system for newborn pigs. Songer JR, et al. **Am J Vet Res** 37(3):329–30, Mar 76

Retention of selenium in tissues of calves, lambs, and pigs after parenteral injection of a selenium–vitamin E preparation. Van Vleet JF. **Am J Vet Res** 36(9):1335–40, Sep 75

Alkaline phosphatase activity of epididymal contents in boars with normal or reduced spermatogenesis. Einarsson S, et al. **Andrologia** 8(1):25–8, 1976

Adenosine deaminase in the pig: tissue–specific patterns and expression of the silent ADA0 allele in nucleated cells. Widar J, et al. **Anim Blood Groups Biochem Genet** 6(2):109–16, 1975

Factors influencing the lipolytic response of swine (Sus domesticus) adipose tissue: ontogeny. Mersmann HJ, et al. **Biol Neonate** 29(1–2):104–11, 1976

Changes in the organs of pigs in response to feeding for the first 24 h after birth. III. Fluorescence histochemistry of the carbohydrates of the intestine. Stoddart RW, et al. **Biol Neonate** 29(1–2):18–27, 1976

Artificial rearing of pigs. 5. The effect of different proportions of beef tallow or soya–bean oil and dried skim milk in the diet on growth, feed utilization, apparent digestibility and carcass compostion. Braude R, et al. **Br J Nutr** 35(2):253–8, Mar 76

The relationship between the zinc status of pigs and the occurrence of copper– and Zn–binding proteins in liver. Bremner I. **Br J Nutr** 35(2):245–52, Mar 76

Amino acid metabolism in the piglet. 2. Influence of fasting on plasma free amino acid concentration and in vivo oxidation of methionine, isoleucine and threonine. Chavez ER, et al. **Br J Nutr** 36(2):189–98, Sep 76

Some observations on the possible nutritional significance of vitamin B12–and folate–binding proteins in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. Ford JE, et al. **Br J Nutr** 34(3):469–92, Nov 75

Absorption of L–histidine and glucose from the jejunum segment of the pig and its diurnal fluctuation. Furuya S, et al. **Br J Nutr** 34(2):267–77, Sep 75

Amino acid metabolism in the piglet: influence of level of protein and of methionine in the diet on tissue uptake and in vivo oxidation. Newport MJ, et al. **Br J Nutr** 36(1):87–99, Jul 76

Age related changes in body water distribution of neonatal pigs. Pownall R, et al. **Br Vet J** 132(3):259–65, May–Jun 76

Food intake regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. Robinson DW. **Br Vet J** 131(5):595–600, Sep–Oct 75

Food intake regulation in pigs. V. The influence of dietary amino acid pattern on free choice selection in pigs. Robinson DW. **Br Vet J** 131(6):707–15, Nov–Dec 75

Oxisuran metabolism in pigs. Crew MC, et al. **Drug Metab Dispos** 4(2):147–53, Mar–Apr 76

Metabolic clearance and secretion rates of porcine growth hormone in genetically lean and obese swine. Althen TG, et al. **Endocrinology** 99(2):511–5, Aug 76

Hormonal stimulation of alpha–amylase synthesis in porcine pancreatic minces. Rosenfeld MG, et al. **Endocrinology** 99(2):611–8, Aug 76

Changes in (125I) labeled human chorionic gonadotropin (hCG) binding to porcine granulosa cells during follicle development and cell culture. Stouffer RL, et al. **Endocrinology** 99(2):516–25, Aug 76

Biological effects of sulfite waste liquor components for swine. pp. 545–52. Naess B. **In: Tannenbaum SR, Wang DI, ed. Single–cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.**

Genetic variation in nutritional requirements of swine. pp. 113–23. Grummer RH. **In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974.** (36 ref.)

Long–term exposure of swine to a (14C)dichlorvos atmosphere. Loeffler JE, et al. **J Agric Food Chem** 24(2):367–71, Mar–Apr 76

Simplified spectrophotometric analysis of copper from cupric sulfide synthesized in porcine fecal matter. Robel EJ, et al. **J Agric Food Chem** 23(5):973–4, Sep–Oct 75

Metabolism of chlorinated naphthalenes. Ruzo L, et al. **J Agric Food Chem** 24(3):581–3, May–Jun 76

Effect of supplemental choline on reproductive performance of sows: a cooperative regional study. **J Anim Sci** 42(5):1211–6, May 76

Presence of a progesterone–induced, uterine specific, acid

phosphatase in allantoic fluid of gilts. Bazer FW, et al. **J Anim Sci** 41(4):1112–9, Oct 75

Distribution in piglets after administration of 14C–L–proline as studied by whole body autoradiography and impulse counting. Bengtsson SG, et al. **J Anim Sci** 41(1):106–12, Jul 75

Effects of a diet containing 40% dried whey on the performance and lactase activities in the small intestine and cecum of Hampshire and Chester White pigs. Ekstrom KE, et al. **J Anim Sci** 42(1):106–13, Jan 76

Nutritional effects on age at puberty and plasma amino acid level in Yorkshire gilts and on chemical composition, nucleic acid, fatty acid and hydroxyproline contents of the uterus. Friend DW. **J Anim Sci** 43(2):404–12, Aug 76

Iron absorption in nursing piglets. Furugouri K, et al. **J Anim Sci** 41(5):1348–54, Nov 75

Iron absorption by neonatal pig intestine in vivo. Furugouri K, et al. **J Anim Sci** 42(6):1460–4, Jun 76

Salt supplementation of corn–soy diets for swine. Hagsten I, et al. **J Anim Sci** 42(1):12–5, Jan 76

Evaluation of dietary salt levels for swine. II Effect on blood and excretory patterns. Hagsten IB, et al. **J Anim Sci** 42(5):1191–5, May 76

Evaluation of dietary salt levels for swine. I. Effect on gain, water consumption and efficiency of feed conversion. Hagsten IB, et al. **J Anim Sci** 42(5):1187–90, May 76

Comparison of dietary zinc levels for reproducing sows and the effect of dietary zinc and calcium on the subsequent performance of their progeny. Hedges JD, et al. **J Anim Sci** 43(2):453–63, Aug 76

Isoleucine requirement of the growing pig and leucine–isoleucine interrelationship. Henry Y, et al. **J Anim Sci** 42(2):357–64, Feb 76

Significance of the synthesis of essential fatty acids in swine. Kass ML, et al. **J Anim Sci** 41(3):804–8, Sep 75

Effect of level of feeding during lactation on sow and pig performance. Libal GW, et al. **J Anim Sci** 41(6):1542–5, Dec 75

Effects of dietary protein levels during lactation to first–litter sows fed a fortified corn gestation diet. Mahan DC, et al. **J Anim Sci** 41(5):1362–7, Nov 75

Influence of weaning on swine adipose tissue lipolysis. Mersmann HJ, et al. **J Anim Sci** 41(4):1048–52, Oct 75

Weight gain, feed utilization and bone and liver mineral composition of pigs fed high or normal Ca–P diets from weaning to slaughter weight. Pond WG, et al. **J Anim Sci** 41(4):1053–6, Oct 75

Availability of tryptophan in some feedstuffs for swine. Rivera PH, et al. **J Anim Sci** 43(2):432–41, Aug 76

Brewers dried grains as a nutrient source in diets for pregnant sows. Wahlstrom RC, et al. **J Anim Sci** 42(4):871–5, Apr 76

In vitro steroidogenesis in porcine corpora lutea. Weiss JR, et al. **J Anim Sci** 42(1):121–30, Jan 76

Effect of selected inhibitors and methylene–blue on a possible phosphogluconate pathway in washed boar sperm. Witters WL, et al. **J Anim Sci** 43(1):159–63, Jul 76

Lysine requirement for reproduction in swine. Woerman RL, et al. **J Anim Sci** 42(1):114–20, Jan 76

Proceedings: Studies on the receptors to the odoriferous steroid, 5alpha–androst–16–en–3–one, in sow nasal epithelium. Gennings JN, et al. **J Endocrinol** 67(2):47P–48P, Nov 75

Kinetics of 3–O–methyl glucose transport in red blood cells of newborn pigs. Zeidler RB, et al. **J Gen Physiol** 67(1):67–80, Jan 76

Immunoreactive growth hormone levels in pigs fed protein or energy restricted diets during the postweaning period. Atinmo T, et al. **J Nutr** 106(7):947–51, Jul 76

Controlling factors in the development of ceruloplasmin in pigs during the neonatal growth period. Chang IC, et al. **J Nutr** 106(9):1343–50, Sep 76

Utilization of amino acids administered enterally or parenterally to young pigs. Keith MO, et al. **J Nutr** 105(12):1535–43, Dec 75

Electrophoretic characterization of proteins in the plasma membrane of porcine spermatozoa. Esbenshade KL, et al. **J Reprod Fertil** 47(2):333–7, Jul 76

Protein synthesis in vitro by pig blastocyst tissue before attachment. Jones LT, et al. **J Reprod Fertil** 47(1):129–31, May 76

Cholesterol and fatty acid synthesis in swine. Huang WY, et al. **Lipids** 11(1):34–41, Jan 76

A new source of protein for growing pigs. Braude R, et al. **Proc Nutr Soc** 34(2):51A–52A, Sep 75

New sources of protein for pigs. Braude R. **Proc Nutr Soc** 35(1):93–101, May 76 (73 ref.)

Lactic acid utilization by the baby pig. Christie A, et al. **Proc Nutr Soc** 35(1):27A, May 76

Responses of growing pigs to combinations of essential amino acids. Fuller MF, et al. **Proc Nutr Soc** 34(3):99A–100A, Dec 75

Carbohydrases in the small intestine mucosa of the pig. Kidder DE, et al. **Proc Nutr Soc** 35(1):26A–27A, May 76

Amino acid requirements. Lewis D, et al. **Proc Nutr Soc** 35(1):87–91, May 76 (17 ref.)

Some consequences of the ingestion by young and growing pigs of feed contaminated with ergot. Whittemore CT, et al. **Res Vet Sci** 20(1):61–9, Jan 76

Plasma concentrations, plasma protein binding and residues of sulfamonomethoxine in pigs, horses and cattle. Rauws AG, et al. **Tijdschr Diergeneeskd** 100(20):1099–104, 15 Oct 75

Biotin in the nutrition of pigs. Herrick JB. **Vet Med Small Anim Clin** 70(11):1342–5, Nov 75

Bacterial activity in the hind–gut of pigs 2. Its influence on the apparent digestibility of nitrogen and amino acids. Mason VC, et al. **Z Tierphysiol** 36(6):310–24, Apr 76

Bacterial activity in the hind–gut of pigs 1. Its influence on the apparent digestibility of dietary energy and fat. Mason VC, et al. **Z Tierphysiol** 36(6):301–10, Apr 76

Trimethoprim and sulphadoxine in swine. Half–lives, volume of distribution and tissue concentrations. Nielsen P, et al. **Zentralbl Veterinaermed [A]** 22(7):564–71, Sep 75

[Histochemical tracing of the iron in the body of piglets injected with an iron–dextran preparation] Dilov P, et al. **Vet Med Nauki** 12(10):70–7, 1975 (Eng. Abstr.) **(Bul)**

[Effect of glucose and phenobarbital on the concentration of 11–hydroxycorticosteroids in the blood plasma of piglets] Raszyk J, et al. **Vet Med (Praha)** 21(2):61–8, Feb 76 (Eng. Abstr.) **(Cze)**

[Effect of tylosin in pigs] Urbanová Z, et al. **Vet Med (Praha)** 20(5):251–60, May 75 (Eng. Abstr.) **(Cze)**

[Biopharmaceutic study of fenoxedil 14C in the large white swine] Dormard Y. **Farmaco [Prat]** 30(9):424–36, Sep 75 (Eng. Abstr.) **(Fre)**

[Quantitative measurement of carbohydrate absorption in pigs after ingestion of corn starch] Rerat A. **Med Chir Dig** 4 suppl 2:49–51, 1975 **(Fre)**

[Glycerol kinase of the porcine liver. II. Postnatal development and intracellular distribution of the enzyme] Krause R, et al. **Acta Biol Med Ger** 33(4):393–7, 1974 (Eng. Abstr.) **(Ger)**

[Glycerol kinase of the porcine liver. I. General and kinetic properties of the enzyme] Krause R, et al. **Acta Biol Med Ger** 33(4):385–91, 1974 (Eng. Abstr.) **(Ger)**

[Parenteral administration of sorbitol solution and its impact on sorbitol, glucose, fructose and lactate concentration in the blood of cattle, sheep and piglets] Brenner KV, et al. **Arch Exp Veterinaermed** 30(1):109–19, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Evaluation of blood glucose concentration following exertion. 4. Total scatter values of blood glucose concentration for the estimation of exertion degree through physical exercise in the domestic swine with varying environmental temperatures] Bünger U, et al. **Arch Exp Veterinaermed** 28(2):205–12, 1974 (Eng. Abstr.) **(Ger)**

[Evaluation of blood glucose concentration following exertion. 3. Reliability of evaluation of glucose changes following physical exertion in domestic swine through total scatter of glucose values] Bünger U, et al. **Arch Exp Veterinaermed** 28(2):197–204, 1974 (Eng. Abstr.) **(Ger)**

[Evaluation of blood glucose concentration following exertion. 1. Use of an individual evaluation of changes in various glucose values during physical exercise in swine] Bünger U, et al. **Arch Exp Veterinaermed** 28(2):170–82, 1974 (Eng. Abstr.) **(Ger)**

[Evaluation of blood glucose concentration following exertion. 2. Individual comparison of the regulation capacity for glucose and other responses to physical exercise in swine] Bünger U, et al. **Arch Exp Veterinaermed** 28(2):183–95, 1974 (Eng. Abstr.) **(Ger)**

[Plasma concentration curves of catecholamines and corticosteroids as well as PBI in swine kept under various conditions and acutely exposed to cold] Kemper A, et al. **Arch Exp Veterinaermed** 30(1):33–9, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Activity and properties of alkaline phosphatase in the plasma and various organs (kidney, liver, small intestine mucosa, bone) of the swine] Kolb E, et al. **Arch Exp Veterinaermed** 29(6):821–38, Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of breeding type on the changes of blood glucose concentration through running exercise in the domestic pig] Steinhardt M, et al. **Arch Exp Veterinaermed** 28(2):159–70, 1974 (Eng. Abstr.) **(Ger)**

[Secretion of endogenous amino acids in the gastrointestinal tract and amino acid resorption in the swine] Zebrowska T, et al. **Arch Tierernaehr** 26(2):69–82, Feb 76 (Eng. Abstr.) **(Ger)**

[Influence of vitamin E– and selenium–deficient feeding on the excretion of creatin and creatinin in young pigs] Szentkuti L, et al. **Dtsch Tieraerztl Wochenschr** 82(7):270–3, 5 Jul 75 **(Ger)**

[Feasibility of using meat from swine with diet–related yellow coloration of the fat] Schiefer G. **Nahrung** 20(6):669–73, 1976 (Eng. Abstr.) **(Ger)**

[Residues of procaine penicillin G after intramuscular administration to swine] Schmidt U. **Tieraerztl Prax** 4(2):199–202, 1976 **(Ger)**

[Enzyme activity patterns in the corpus luteum of gravid and non–gravid swine] Schuh M, et al. **Zentralbl Veterinaermed [A]** 22(9):785–90, Nov 75 (Eng. Abstr.) **(Ger)**

[Distribution and activities of the oxidative enzymes in the apocrine skin glands in pig] Meyer W, et al. **Zentralbl Veterinaermed [C]** 5(2):189–92, Jun 76 (Eng. Abstr.) **(Ger)**

[Distribution of guanase in some swine tissues and its localization in the central nervous system] Carpenè E, et al. **Boll Soc Ital Biol Sper** 52(7–8):497–5–2, 30 Apr 76 **(Ita)**

[D–aspartate oxidase from octopus liver (Octopus vulgaris L.) and from pig liver. Purification and properties. II. Purification of D–aspartate oxidase from pig liver] D'Aniello A. **Boll Soc Ital Biol Sper** 52(3):104–9, 15 Feb 76 **(Ita)**

[Effect of the nutritional level on the behavior of serum and muscle lactic dehydrogenase in swine for the slaughterhouse] Minoccheri F, et al. **Boll Soc Ital Biol Sper** 51(9–10):540–5, 30 May 75 **(Ita)**

[Effect of the feeding plan on the behavior of serum and muscle aldolase in swine for market] Minoccheri F, et al. **Boll Soc Ital Biol Sper** 51(17):1037–43, 15 Sep 75 **(Ita)**

[Distrubance of the mineral metabolism of swine in various systems of maintenance] Karelin AI, et al. **Veterinariia** (7):29–31, Jul 75 **(Rus)**

MICROBIOLOGY

The serology of Bordetella bronchiseptica isolated from pigs compared with strains from other animal species. Pedersen KB. **Acta Pathol Microbiol Scand [Suppl]** 83(6):590–4, Dec 75

Development of the intestinal flora in suckling pigs. Sinkovics G, et al. **Acta Vet Acad Sci Hung** 24(4):375–81, 1974

Morphologic heterogeneity of a strain of swine influenza virus (A/swine/Wisconsin/1/68, Hsw1N1) propagated at different temperatures. Pirtle EC, et al. **Am J Vet Res** 36(12):1783–7, Dec 75

Isolation of Listeria monocytogenes in slaughter animals and bats of Togo (West Africa). Höhne K, et al. **Ann Microbiol (Paris)** 126A(4):501–7, May–Jun 75

[Survival capability of Escherichia coli in farrowing pens with underfloor heating] Berner H, et al. **Berl Munch Tieraerztl Wochenschr** 88(20):387–93, 15 Oct 75 (Eng. Abstr.)

The carriage of beta–haemolytic streptococci by healthy pigs. Jones JE. **Br Vet J** 132(3):276–83, May–Jun 76

Coagulase and heat–resistant nuclease producing Staphylococcus epidermidis strains from animals. Devriese LA, et al. **J Appl Bacteriol** 39(2):197–207, Oct 75

Isolation of Yersinia enterocolitica from swine. Toma S, et al. **J Clin Microbiol** 2(6):478–81, Dec 75

Transmission of human rotaviruses to gnotobiotic piglets. Bridger JC, et al. **J Med Microbiol** 8(4):565–9, Nov 75

Adhesion of enteropathogenic Escherichia coli to pig intestinal brush borders: the existence of two pig phenotypes. Sellwood R, et al. **J Med Microbiol** 8(3):405–11, Aug 75

Identification of Leptospira pyrogenes isolated from a swine in the Philippines in 1967. Kitaoka M, et al. **Jpn J Med Sci Biol** 29(1):49–51, Feb 76

Studies on Yersinia enterocolitica. II. Relationship between detection from swine and seasonal incidence, and regional distribution of the organism. Tsubokura M, et al. **Jpn J Vet Sci** 38(1):1–6, Feb 76

Letter: Septicaemia due to porcine streptococci. Kloppenburg M, et al. **Lancet** 2(7946):1218, 13 Dec 75

Persistence of tetracycline resistance in pig E. coli. Smith HW. **Nature** 258(5536):628–30, 18 Dec 75

Mycoplasma hyorhinis arthritis of swine: a model for rheumatoid arthritis? Decker JL, et al. **Rheumatology** 6:338–45, 1975

Japanese encephalitis virus from pigs and mosquitoes in Jakarta, Indonesia. Dirk Van Peenen PF, et al. **Trans R Soc Trop Med Hyg** 69(5–6):477–9, 1975

Arbovirus infections in Sarawak: the role of the domestic pig. Simpson DI, et al. **Trans R Soc Trop Med Hyg** 70(1):66–72, 1976

Diagnosis and differentiation of porcine mycoplasmas by the growth–precipitation test. Goiš M, et al. **Zentralbl Veterinaermed [B]** 22(10):850–5, Dec 75

Pasteurella aerogenes isolations from swine. Hommez J, et al. **Zentralbl Veterinaermed [B]** 23(3):265–8, Apr 76

Serological evidence and isolation of a virus closely related to the human A/Hong Kong/68 (H3N2) strain in swine populations in Czechoslovakia in 1969–1972. Tumová B, et al. **Zentralbl Veterinaermed [B]** 23(7):590–63, Aug 76

The presence of Erysipelothrix rhusiopathiae in the tonsils of swine and in the larynx of chickens in Rwanda (Central Africa). Van Damme LR, et al. **Zentralbl Veterinaermed [B]** 23(1):74–8, Feb 76

[Adenovirus typing and distribution in swine] Genov I, et al. **Vet Med Nauki** 13(2):31–8, 1976 (Eng. Abstr.) **(Bul)**

[Study of Vibrio strains isolated from swine] Semov P, et al. **Vet Med Nauki** 12(10):29–34, 1975 (Eng. Abstr.) **(Bul)**

[Influence of restrictive use of antibiotics on the development of drug resistance in intestinal Escherichia coli from pigs (author's transl)] Larsen JL, et al. **Nord Vet Med** 27(7–8):353–64, Jul–Aug 75 (Eng. Abstr.) **(Dan)**

[Investigation of the incidence of Salmonella in the Faeces, mesenteric lymph glands, and intestinal wall (Peyer's patches) of normal pig carcases (author's transl)] Narucka U, et al. **Tijdschr Diergeneeskd** 101(12):669–73, 15 Jun 76 (Eng. Abstr.) **(Dut)**

[Atypical mycobacteria isolated from ganglions of presumed–healthy bovine and swine (author's transl)] Garcia–Rodriguez JA, et al. **Rev Epidemiol Med Soc Sante Publique** 23(4–5):269–76, Jun–Aug 75 (Eng. Abstr.) **(Fre)**

[Differentiation of swine–Mycoplasma by latex–agglutination (author's transl)] Balke E, et al. **Zentralbl Bakteriol [Orig A]** 234(2):260–4, Mar 76 (Eng. Abstr.) **(Ger)**

[The Bacteriodaceae flora in the faeces of pigs (author's

transl)[Terada A, et al. **Zentralbl Bakteriol [Orig A]** 234(3):362–70, Apr 76 **(Ger)**

[The authors examined 275 samples of kidneys from swines apparently healthy, slaughtered in an abbatoir at São Paulo (Brazil) (author's transl)] Santa Rosa CA, et al. **Arq Inst Biol (Sao Paulo)** 40(3):243–6, Jul–Sep 73 (Eng. Abstr.) **(Por)**

[Transmissive drug resistance and the colicinogenicity of E. coli strains isolated from piglets] Zav'iantsev VE. **Antibiotiki** 21(6):530–2, Jun 76 **(Rus)**

[Study of the pathogenicity of mycoplasma in swine] Grachev II, et al. **Veterinariia** (5):68–71, May 75 **(Rus)**

[Helminthic and microfloral association in the body of swine] Panasiuk DI, et al. **Veterinariia** (4):58–9, Apr 75 **(Rus)**

PARASITOLOGY

[Mineral content and enzyme activity of Cysticercus tenuicollis in sheep and swine] Enigk K, et al. **Zentralbl Veterinaermed [B]** 23(3):255–64, Apr 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Red cell and total blood volumes during sexual excitement and copulation in the boar. Kolczak T, et al. **Acta Physiol Pol** 26(4):399–406, Jul–Aug 75

Embryonic and placental development during prolonged inanition in the pig. Anderson LL. **Am J Physiol** 229(6):1687–94, Dec 75

Systolic time intervals for left and right ventricles of swine. Ackermann RD, et al. **Am J Vet Res** 37(6):715–7, Jun 76

Embryo transfer in pigs: a method for introducing genetic material into primary specific-pathogen-free herds. Curnock RM, et al. **Am J Vet Res** 37(1):97–8, Jan 76

Effects of age and cold on pulmonary bacterial clearance in the young pig. Curtis SE, et al. **Am J Vet Res** 37(3):299–301, Mar 76

Sympathoadrenal Neurochemistry and early weaning of swine. Stanton HC, et al. **Am J Vet Res** 37(7):779–83, Jul 76

The ultrastructure of a characteristic spermhead-defect in the boar: the SME-defect. Blom E, et al. **Andrologia** 7(3):199–209, 1975

Species differences in response to renal ischemia. Craddock GN. **Arch Surg** 111(5):582–4, May 76

Rates of passage of digesta and water absorption along the larg intestines of sheep, cows and pigs. Hecker JF, et al. **Aust J Biol Sci** 28(2):161–7, Apr 75

Endocrine changes in the pig during late pregnancy, parturition and lactation. Baldwin DM, et al. **Biol Reprod** 12(4):508–15, May 75

The rate of heat loss during fasting in the growing pig. Close WH, et al. **Br J Nutr** 34(2):279–90, Sep 75

Gastric secretion and fermentation in the suckling pig. Cranwell PD, et al. **Br J Nutr** 36(1):71–86, Jul 76

The effect of feeding on the motility of the stomach and small intestine in the pig. Ruckenbusch Y, et al. **Br J Nutr** 35(3):397–405, May 76

The nursing and suckling behaviour of pigs. IV. The effect of interrupting the sucking stimulus. Fraser D. **Br Vet J** 131(5):549–59, Sep–Oct 75

The accuracy of porcine pregnancy diagnosis by a newly developed ultrasonic A-scan tester. Hansen LH, et al. **Br Vet J** 132(1):66–7, Jan–Feb 76

Physiological aspects of sperm transport in the domestic pig, Sus scrofa. I. Semen deposition and cell transport. Hunter RH. **Br Vet J** 131(5):565–73, Sep–Oct 75

Physiological aspects of sperm transport in the domestic pig, Sus scrofa. II. Regulation, survival and fate of cells. Hunter RH. **Br Vet J** 131(6):681–90, Nov–Dec 75 (48 ref.)

Colour mutation in wild boars and the physiological causes of mortality of the mutants in the population. Andrzejewski R, et al. **Bull Acad Pol Sci [Biol]** 23(12):793–7, 1975

Relationships of intestinal enzymes and serum antitoxin to the pig response to Escherichia coli enterotoxin. Larivière S, et al. **Can J Comp Med** 39(4):371–6, Oct 75

Zonal ultracentrifugation of plasma lipoproteins from normal and cholestatic pigs. Danielsson B, et al. **Clin Chim Acta** 65(2):187–96, 1 Dec 75

Effect of ethanol on the glucose-mediated insulin release in triply catheterized anesthetized pigs. Kühl C, et al. **Diabetes** 25(9):752–7, Sep 76

Activity and subcellular localization of proteolytic enzymes of boar and rabbit spermatozoa. Landa V. **Folia Biol (Praha)** 21(3):192–5, 1975

Pituitary and serum growth hormone levels in Duroc and Yorkshire swine genetically selected for high and low backfat. Althen TG, et al. **J Anim Sci** 42(6):1490–7, Jun 76

Synchronization of ovulation and artificial insemination of sows after lactation. Christenson RK, et al. **J Anim Sci** 41(2):560–3, Aug 75

Ovarian follicular development during the estrous cycle in gilts following electrocautery of follicles. Clark JR, et al. **J Anim Sci** 41(4):1105–11, Oct 75

Observed associations between corpora lutea and follicular development in swine ovaries during the estrous cycle. Clark JR, et al. **J Anim Sci** 41(6):1693–9, Dec 75

Loss of follicles during the follicular phase of the estrous cycle of swine as affected by genetic group and level of feed intake. Dailey RA, et al. **J Anim Sci** 41(3):835–41, Sep 75

Effect of short-term 'flushing' on the follicular development at estrus and ovulation rate of gilts of different genetic groups. Dailey RA, et al. **J Anim Sci** 41(3):842–7, Sep 75

Growth of new follicles following electrocautery in four genetic groups of swine. Dailey RA, et al. **J Anim Sci** 43(1):175–83, Jul 76

Investigation of trypan blue dye for determination of circulatory capacity of skeletal muscle. Dildey DD, et al. **J Anim Sci** 41(3):787–93, Sep 75

Luteal function in gilts after prostaglandin F2alpha. Hallford DM, et al. **J Anim Sci** 41(6):1706–10, Dec 75

Dietary magnesium levels for sows during gestation and lactation. Harmon BG, et al. **J Anim Sci** 42(4):860–5, Apr 76

Neonatal behavior and nutrition-related mortality in domestic swine. Hartsock TG, et al. **J Anim Sci** 42(1):235–41, Jan 76

Fertility of liquid boar semen as influenced by breed and season. Koh TJ, et al. **J Anim Sci** 42(1):138–44, Jan 76

Effect of polyunsaturated fatty acids and vitamin E level of the sow gestation diet on reproductive performance and on level of alpha tocopherol in colostrum, milk and dam and progeny blood serum. Malm A, et al. **J Anim Sci** 42(2):393–9, Feb 76

Factors affecting puberty in swine. Mavrogenis AP, et al. **J Anim Sci** 42(5):1251–5, May 76

Effects of postnatal maternal environment on reproduction of gilts. Nelson RE, et al. **J Anim Sci** 43(1):71–7, Jul 76

Frozen boar spermatozoa: methods of thawing pellets. Pursel VG, et al. **J Anim Sci** 42(4):927–31, Apr 76

Initiation of reproductive function and subsequent activity of the corpora lutea in prepuberal gilts. Rampacek GB, et al. **J Anim Sci** 42(4):881–7, Apr 76

Uterine capacity and progestin levels in superinducted gilts. Rampacek GR, et al. **J Anim Sci** 41(2):564–7, Aug 75

Ovarian follicular development in cows, sows and ewes in different stages of pregnancy as affected by number of corpora lutea in the same ovary. Rexroad CE Jr, et al. **J Anim Sci** 41(4):1090–7, Oct 75

Late gestation feeding of dichlorvos: a physiological characterization of the neonate and a growth-survival response. Siers DG, et al. **J Anim Sci** 42(2):381–92, Feb 76

Effects of pregnant mare serum and chlortetracycline on the reproductive efficiency of sows. Soma JA, et al. **J Anim Sci** 41(1):100–5, Jul 75

Influence of the boar and ejaculation frequency in pregnancy rate and embryonic survival in swine. Swierstra EE, et al. **J Anim Sci** 42(2):455–60, Feb 76

Influence of elevated ambient temperature on reproductive performance of boars. Wettemann RP, et al. **J Anim Sci** 42(3):664–9, Mar 76

Reproductive performance of swine bred to produce purebred and two-breed cross litters. Young LD, et al. **J Anim Sci** 42(5):1133–49, May 76

Protein supplementation of barley diets for two breeds of gestating swine over two parities. Young LG, et al. **J Anim Sci** 42(5):1182–6, May 76

Renal and intrarenal blood flow distribution in swine during severe exercise. Sanders M, et al. **J Appl Physiol** 40(6):932–5, Jun 76

Magnitude, direction and location of the resultant dipole moment of the pig heart. Hodgkin BC, et al. **J Electrocardiol** 9(2):123–8, Apr 76

Plasma luteinizing hormone and progesterone in the adult female pig during the oestrous cycles, late pregnancy and lactation, and after ovariectomy and pentobarbitone treatment. Parvizi N, et al. **J Endocrinol** 69(2):193–203, May 76

Movement of feral pigs in North Canterbury, New Zealand. Martin JT. **J Mammal** 56(4):914–5, Nov 75

Decreased dietary protein or energy intake and plasma growth hormone levels of the pregnant pig, its fetuses and developing progeny. Atinmo T, et al. **J Nutr** 106(7):940–6, Jul 76

Plasma adrenocorticosteroid levels in protein and energy restricted pigs. Baldijão C, et al. **J Nutr** 106(7):952–7, Jul 76

Nitrogen metabolism and reproductive response of gravid swine fed an arginine-free diet during the last 84 days of gestation. Easter RA, et al. **J Nutr** 106(5):636–41, May 76

Evaluation of various protein sequences on the nutritional carry-over from gestation to lactation with first-litter sows. Mahan DC, et al. **J Nutr** 105(10):1291–8, Oct 75

Effects of various ambient temperatures and of heating and cooling the hypothalamus and cervical spinal cord on antidiuretic hormone secretion and urinary osmolality in pigs. Forsling ML, et al. **J Physiol (Lond)** 257(3):673–86, Jun 76

Post-partum oestrus in the sow in relation to the concentration of plasma oestrogens. Holness DH, et al. **J Reprod Fertil** 45(1):15–20, Oct 75

The fertilizing capacity of epididymal spermatozoa in the pig. Holtz W, et al. **J Reprod Fertil** 46(1):227–9, Jan 76

Epididymal function in the boar in relation to the fertilizing ability of spermatozoa. Hunter RH, et al. **J Reprod Fertil** 46(2):463–6, Mar 76

Isoelectric focusing of boar spermatozoa. Moore HD, et al. **J Reprod Fertil** 44(2):329–32, Aug 75

Seminal plasma proteins and the reaction of spermatozoa from intact boars and from boars without seminal vesicles to cooling. Moore HD, et al. **J Reprod Fertil** 47(1):39–45, May 76

Laparoscopic pregnancy diagnosis and uterine fluid recovery in swine. Wildt DE, et al. **J Reprod Fertil** 44(2):301–4, Aug 75

The evaluation of an isotopic clearance technique for the measurement of skin blood flow in the pig. Moustafa HF, et al. **Microvasc Res** 11(2):147–53, Mar 76

Ability of the pig to distinguish between conspecific urine samples using olfaction. Meese GB, et al. **Physiol Behav** 15(1):121–5, Jul 75

Quantitative studies on taste preference in pigs. Baldwin BA. **Proc Nutr Soc** 35(1):69–73, May 76 (19 ref.)

Regulation of food intake. Bell FR. **Proc Nutr Soc** 35(1):63–7, May 76 (19 ref.)

A comparison of apparent digestibility values for nutrients from measurements in the ileum and faeces of growing pigs. Braude R, et al. **Proc Nutr Soc** 34(2):46A–47A, Sep 75

Gastric secretion in the young pig. Cranwell PD. **Proc Nutr Soc** 35(1):28A, May 76

Some aspects of energy utilization for the production of lean tissue in the pig. Fowler VR. **Proc Nutr Soc** 35(1):75–9, May 76

Digestion and absorption of nutrients in growing pigs. Low AG. **Proc Nutr Soc** 35(1):57–62, May 76 (49 ref.)

The development of digestive function in the pig. Manners MJ. **Proc Nutr Soc** 35(1):49–55, May 76 (27 ref.)

Heat loss in relation to plane of nutrition and thermal environment. Mount LE. **Proc Nutr Soc** 35(1):81–6, May 76 (28 ref.)

A study of prostaglandin F2alpha as the luteolysin in swine: I. Effect of prostaglandin F2alpha in hysterectomized gilts. Moeljono MP, et al. **Prostaglandins** 11(4):737–43, Apr 76

Renal regulation of phosphate excretion in the pig. McIntosh GH, et al. **Q J Exp Physiol** 60(4):299–305, Oct 75

An investigation using a synthetic porcine pheromone and the effect on days from weaning to conception. Hillyer GM. **Vet Rec** 98(5):93–4, 31 Jan 76

Boar management. Leman AD, et al. **Vet Rec** 98(23):457–9, 5 Jun 76 (30 ref.)

Keeping piglets warm. Simmons JR. **Vet Rec** 98(19):381–2, 8 May 76

The uptake of macromolecules in the ileum of piglets after intestinal 'closure'. Martinsson K, et al. **Zentralbl Veterinaermed [A]** 23(04):277–82, May 76

[Hormonal methods of increasing fertility in swine] Kostov L, et al. **Vet Med Nauki** 13(2):12–8, 1976 (Eng. Abstr.) **(Bul)**

[Anaphrodisia in gilts and sows(author's transl)] Kuiper CJ, et al. **Tijdschr Diergeneeskd** 100(15):824–35, 1 Aug 75 (Eng. Abstr.) **(Dut)**

[Studies on improving the fertility of aged sows. 3. Results of histological studies on puerperal involution and regeneration processes in the endometrium of lactating sows and sows after extremely early weaning] Elze K, et al. **Arch Exp Veterinaermed** 29(5):689–99, 1975 (Eng. Abstr.) **(Ger)**

[Studies on improving the fertility of aged sows. 2. Results of histological studies on the structure of the endometrium in aged sows during estrous cycle] Mehlhorn I, et al. **Arch Exp Veterinaermed** 29(5):679–87, 1975 **(Ger)**

[Studies on improving the fertility of aged sows. 1. Macroscopic studies on cyclic changes in the swine ovary, especially in follicles and corpus luteum, as a basis for the determination of the cyclic state and ovulation rate] Schnurrbusch U, et al. **Arch Exp Veterinaermed** 29(5):667–78, 1975 (Eng. Abstr.) **(Ger)**

[Effect of the type of management and training on heart rate, rectal temperature and respiration rate of domestic swine during physical exertion] Thalmann G, et al. **Arch Exp Veterinaermed** 29(1):99–110, 1975 (Eng. Abstr.) **(Ger)**

[Distribution of N-acetylhexosaminidase in the epididymis of infantile, cryptorchic, and adult boars] Bamberg E, et al. **Berl Munch Tieraerztl Wochenschr** 88(13):242–4, 1 Jul 75 (Eng. Abstr.) **(Ger)**

[Deep freezing of boar sperma. Laboratory and insemination results using the Hülsenberger paillete method] Westendorf P, et al. **Dtsch Tieraerztl Wochenschr** 82(7):261–7, 5 Jul 75 (Eng. Abstr.) **(Ger)**

[Comparative studies in blood, bile and urine to the biliary excretion and multicompartmental analysis of glycocholic acid in the unanaesthezied pig (author's transl)] Klapdor R, et al. **Res Exp Med (Berl)** 166(3):209–19, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Mechanisms of bile secretion in mini-pigs (author's transl)] Klapdor R, et al. **Res Exp Med (Berl)** 166(3):241–51, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[A procedure for the bloodless measurement of arterial blood pressure in unanesthetized swine] Matthias D, et al. **Z Versuchstierkd** 18(1–2):106–10, 1976 (Eng. Abstr.) **(Ger)**

[Hydrolytic enzyme in boar sperm] Antoniuk VS. **Veterinariia** (10):82–3, Oct 75 **(Rus)**

[Effect of lighting on the resistance and sperm production of boars] Iurkov VM, et al. **Veterinariia** (1):29–32, Jan 76 **(Rus)**

[Use of packinghouse wastes in feeding swine] Shestakov IuM, et al. **Veterinariia** (4):47–8, Apr 76 **(Rus)**

[Effect of physical stress on the indices of acid-base homeostasis in pigs] Bartko P, et al. **Vet Med (Praha)** 20(7):339–46, Jun 75 (Eng. Abstr.) **(Slo)**

URINE

Uric acid excretion by the pig kidney. Simmonds HA, et al. **Am J Physiol** 230(6):1654–61, Jun 76

SWINE DISEASES

Animal model of human disease: chronic bronchitis Baskerville A. **Am J Pathol** 82(01):237–40, Jan 76

Pathogenesis of in utero infection: experimental infection of eight- and ten-week-old porcine fetuses with porcine parvovirus. Cutlip RC, et al. **Am J Vet Res** 36(12):1751–4, Dec 75

Tuberculosis in brood sows and pigs slaughtered in Iowa. Thoen CO, et al. **Am J Vet Res** 37(7):775–8, Jul 76

The clinicopathological findings of mulberry heart disease in a piglet. Gudmundson J. **Can Vet J** 17(2):45–7, Feb 76

Mycobacterium intracellulare infection in pigs. Simon PC. **Can Vet J** 17(1):29, Jan 76

Recent discoveries regarding swine dysentery. Harris DL, et al. **Folia Vet Lat** 5(3):433–50, Jul-Sep 75 (48 ref.)

Porcine and canine von Willebrand's disease. pp. 14–20. Walter Bowie EJ, et al.
In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.

Escherichia coli infection of gnotobiotic pigs: significance of enterotoxin and endotoxin in the clinical state. Kenworthy R, et al. **J Comp Pathol** 86(2):275–84, Apr 76

Gastric mucormycosis and moniliasis in an unimmunosuppressed pig following renal transplantation. Abbott SE, et al. **J S Afr Vet Assoc** 47(1):47–8, Mar 76

Letter: Capillaria infection in a pig. McKena PB, et al. **NZ Vet J** 23(10):242–3, Oct 75

Letter: New parasite records from the South Island. Mason PC. **NZ Vet J** 23(4):69, Apr 75

Intranasal infection with Bordetella bronchiseptica in gnotobiotic piglets. Brassinne M, et al. **Res Vet Sci** 20(2):162–6, Mar 76

Solanum malacoxylon poisoning in pigs. Done SH, et al. **Res Vet Sci** 20(2):217–9, Mar 76

Blood parasites of local pigs in Ibadan. Okon ED. **Trop Anim Health Prod** 8(2):96, May 76

Acute, clinical effect of swine dysentery on heavy and light pigs. Messersmith RE, et al. **Vet Med Small Anim Clin** 71(2):213–5, Feb 76

Letter: Tunga penetrans infestation in pigs. Cooper JE. **Vet Rec** 98(23):472, 5 Jun 76

Electrocution of pigs. Giles N, et al. **Vet Rec** 97(16):305–6, 18 Oct 75

Letter: Atrophic rhinitis in pigs. Murdoch RS. **Vet Rec** 97(19):377, 8 Nov 75

Observations on Isospora suis infection in a minimal disease pig herd. O'Neill PA. **Vet Rec** 98(16):321–3, 17 Apr 76

Letter: Snout rubbing in weaned pigs. Tindall JR. **Vet Rec** 98(17):345–6, 24 Apr 76

Tunga penetrans (Sarcopsylla penetrans) as a cause of agalactia in sows in the Republic of Zaire. Verhulst A. **Vet Rec** 98(19):384, 8 May 76

[The colibacillosis of the pig (author's transl)] Renault L. **Ann Rech Vet** 6(3):241–8, 1975 (44 ref.) (Eng. Abstr.) **(Fre)**

[Brucellic mammitis in sows] Gogoaşă V. **Dev Biol Stand** 31:265–7, 1976 (Eng. Abstr.) **(Fre)**

[Problems of guaranty in sales conditions of swine breeding associations in the Federal Republic of Germany] Wirth HG, et al. **Berl Munch Tieraerztl Wochenschr** 88(18):351–3, 15 Sep 75 (Eng. Abstr.) **(Ger)**

[Disseminated mucormycosis--Absidia corymbifera--of lymph nodes in swine] Vítovec J, et al. **Mykosen** 19(4):117–23, Apr 76 (Eng. Abstr.) **(Ger)**

[Infectious causes of intrauterine mortality in the swine] Bachmann PA. **Tieraerztl Prax** 4(1):33–8, 1976 **(Ger)**

[Stomach ulcers in swine] Hänichen T. **Tieraerztl Prax** 3(2):191–7, 1975 **(Ger)**

[Polyarteritis nodosa: general aspects and occurrence in domestic animals, particularly in association with nosematosis in blue foxes (author's transl)] Nordstoga K. **Nord Vet Med** 28(1):51–8, Jan 76 (Eng. Abstr.) **(Nor)**

[Poisoning of swine with edible salt] Balutsa PI, et al. **Veterinariia** (8):93–4, Aug 75 **(Rus)**

[Influence of Sarcocystis invasion on the quality of pork] Bogush AA. **Veterinariia** (8):101–3, Aug 75 **(Rus)**

[Some indices of the meat of swine with pneumonia] Chebotarev IE, et al. **Veterinariia** (8):104–6, Aug 75 **(Rus)**

[Study of chlamydioses in animals] Gural' AL, et al. **Veterinariia** (2):52–4, Feb 75 **(Rus)**

[Viral respiratory diseases and the digestive organs of swine] Pritulin PI, et al. **Veterinariia** (7):105–6, Jul 75 **(Rus)**

[Etiology and pathogenesis of bronchopneumonia in suckling-pigs] Shakhov AG, et al. **Veterinariia** (7):76–80, Jul 75 **(Rus)**

[Ulcerous diseases of the stomach in swine] Shubin VA, et al. **Veterinariia** (12):97–9, Dec 75 **(Rus)**

BLOOD

Hematological and biochemical analyses of blood and serum in pigs with regional ileitis with special reference to the pathogenesis. Martinsson K, et al. **Acta Vet Scand** 17(2):233–43, 1976

Plasma concentrations of pepsinogen and corticosteroid in relation to gastric lesions in swine. Zamora CS, et al. **Am J Vet Res** 36(9):1327–9, Sep 75

Liver transplantation in pigs with von Willebrand's disease. Bowie EJ, et al. **Br J Haematol** 31(1):37–44, Sep 75

H blood types in pigs as predictors of stress susceptibility. Rasmusen BA, et al. **Science** 191(4230):947–8, 5 Mar 76

[Clinical examination of the blood of wild boars (Sus scrofa L.) naturally infested with parasites following administration of anthelminthics] Zajíček D, et al. **Vet Med (Praha)** 21(1):35–44, Jan 76 (Eng. Abstr.) **(Cze)**

[Evaluation of blood glucose concentration during exertion. 6. Effect of anemia on the glucose regulation capacity of domestic swine in standardized running exercise] Bünger U, et al. **Arch Exp Veterinaermed** 29(4):631–40, 1975 (Eng. Abstr.) **(Ger)**

[Effect of anemia on various reactions of domestic swine due to physical exertion. 4. Changes of serum acid-base equilibrium] Bünger U, et al. **Arch Exp Veterinaermed** 29(4):595–606, 1975 (Eng. Abstr.) **(Ger)**

[Effect of anemia on various reactions of the domestic swine due to physical exertion. 3. Changes in plasma glucose and lactic acid concentrations] Bünger U, et al. **Arch Exp Veterinaermed** 29(4):581–93, 1975 (Eng. Abstr.) **(Ger)**

[Behavior of some clinical, blood and serum parameters in swine with acute heart and circulatory insufficiency] Kraft W. **Zentralbl Veterinaermed [A]** 22(10):808–18, Dec 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Experimental hexachlorophene intoxication in young swine. Robinson GR, et al. **Am J Vet Res** 36(11):1615–8, Nov 75

Letter: Neurotoxicosis in pigs caused by excessive arsanilic acid ingestion: clinical observations. Knight PR. **Aust Vet J** 51(11):540, Nov 75

Experimental Phomopsis leptostromiformis mycotoxicosis of pigs. van Rensburg IB, et al. **J S Afr Vet Assoc** 46(2):197–204, Jun 75

Tissue damage and concentration at the injection site after intramuscular injection of chemotherapeutics and vehicles in pigs. Rasmussen F, et al. **Res Vet Sci** 20(1):55–60, Jan 76

[Evaluation of adverse effects of the wood-impregnation substance Pentor 70] Herzig I, et al. **Vet Med (Praha)** 20(5):269–76, May 75 (Eng. Abstr.) **(Cze)**

[Carbon monoxide poisoning in a pig-breeding unit due to wrongly adjusted propane gas infrared radiatro] Boller E. **Schweiz Arch Tierheilkd** 118(3):127–9, Mar 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

An indirect hemagglutination test for the diagnosis of Eperythrozoon suis infection in swine. Smith AR, et al. **Am J Vet Res** 36(9):1319–21, Sep 75

Letter: Rapid diagnostic techniques for detection of porcine parvovirus infection in mummified foetuses. Joo HS, et al. **Aust Vet J** 52(1):51–2, Jan 76

Letter: pseudorabies-comments on laboratory diagnois and control. Schwartz WL. **J Am Vet Med Assoc** 167(5):339–64, 1 Sep 75

Rapid micromethod of screening for antibodies to disease agents using the indirect enzyme-labeled antibody test. Saunders GC, et al. **J Clin Microbiol** 3(6):604–8, Jun 76

Reliability of ELISA (enzyme-linked immunosorbent assay) as control method for the detection of Trichinella spiralis infections in naturally infected slaughter pigs. van Knapen F, et al. **J Parasitol** 62(2):332–3, Apr 76

Detection and diagnosis of arsenic and mercury poisonings via the Reinsch test. Martin TD, et al. **Vet Med Small Anim Clin** 71(4):433–40, Apr 76

Atrophic rhinitis: significance of nasal measurements in specific-pathogen-free (SPF) swine herds. Schwartz WL, et al. **Vet Med Small Anim Clin** 70(10):1213–6, Oct 75

Diagnosis of reproductive failure through gross examination of porcine reproductive tracts. Sprecher DJ, et al. **Vet Med Small Anim Clin** 70(12):1465–74, Dec 75

ELISA (enzyme-linked immunosorbent assay) as preventive and repressive control method for the detection of Trichinella spiralis infections in slaughter pigs. Ruitenberg EJ, et al. **Wiad Parazytol** 21(4–5):747–51, 1975

Diagnosis and differentiation of porcine mycoplasmas by the growth-precipitation test. Goiš M, et al. **Zentralbl Veterinaermed [B]** 22(10):850–5, Dec 75

[Demodex suis] Kadlec V. **Vet Med (Praha)** 20(7):441–3, Jul 75 (Eng. Abstr.) **(Cze)**

[Use of electron microscopy for the rapid diagnosis of poxvirus diseases (smallpox) in swine] Šmíd B, et al. **Vet Med (Praha)** 20(4):239–43, Apr 75 (Eng. Abstr.) **(Cze)**

[Detection of Trichinella spiralis infection in spontaneously infected pigs intended for slaughter using the enzyme-linked immunosorbent assay (ELISA) (author's transl)] Van Knapen F, et al. **Tijdschr Diergeneeskd** 101(17):952–6, 1 Sep 76 (Eng. Abstr.) **(Dut)**

[Fluorescence-histological demonstration of Toxoplasma gondii in porcine lymph nodes] Stoll L, et al. **Dtsch Tieraerztl Wochenschr** 83(4):137–40, 5 Apr 76 (Eng. Abstr.) **(Ger)**

[Intracutaneous leptospirin test on swine within the framework of the examination of slaughtered animals and control of animal epidemics] Obiger G, et al. **Tieraerztl Prax** 4(2):203–6, 1976 **(Ger)**

[Ultrasonic Doppler technic. Its use in gynecological and obstetrical diagnosis in swine as well as a suggestion for suitable office use] Wilkens W. **Tieraerztl Prax** 2(4):395–8, 1974 **(Ger)**

[Vital diagnosis of trichinelliasis of swine] Belozerov SN. **Veterinariia** (6):70–2, Jun 75 **(Rus)**

[Evaluation of swine for sarcocystis] Bogush AA. **Veterinariia** (3):108–10, Mar 76 **(Rus)**

[Clinico-hematologic diagnosis of bronchopneumonia in suckling-pigs] Iakubovskaia IuL. **Veterinariia** (7):80–3, Jul 75 **(Rus)**

[Ovoscopic diagnosis of helminthiasis in swine] Khrenov VM. **Veterinariia** (4):60–1, Apr 75 **(Rus)**

[Rectal method of diagnosis of sterility in swine] Moroz IG. **Veterinariia** (5):97–9, May 75 **(Rus)**

[Swine dysentery] Pritulin PI, et al. **Veterinariia** (9):54–8, Sep 75 **(Rus)**

[Data on the differential diagnosis of coli-infections and viral gastroenteritis in suckling pigs] Salaĭka E, et al. **Veterinariia** (3):115–7, Mar 76 **(Rus)**

DIET THERAPY

[The influence of vitamin E and selenium supplements on the leg weakness syndrome in swine] Roth FX, et al. **Zentralbl Veterinaermed [A]** 22(10):854–63, Dec 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Ronidazole in high concentrations in drinking water for treatment and prevention of diarrhea in swine dysentery. Olson LD, et al. **Am J Vet Res** 37(7):757–61, Jul 76

The effect of oral cambendazole against 10-day-old Hyostrongylus rubidus and Oesophagostomum spp. larvae in experimentally-infected pigs. Taffs LF. **Br Vet J** 132(1):105–11, Jan-Feb 76

Influence of bambermycins on Salmonella infection and antibiotic resistance in swine. Dealy J, et al. **J Anim Sci** 42(5):1331–6, May 76

Effect of lincomycin and spectinomycin on swine dysentery. DeGeeter MJ, et al. **J Anim Sci** 41(5):1333–8, Nov 75

Effect of lincomycin on swine dysentery. DeGeeter MJ, et al. **J Anim Sci** 42(6):1381–8, Jun 76

Swine dysentery. Pearce HG, et al. **NZ Vet J** 23(8):183–4, Aug 75

Laboratory investigations on pigs with the new anthelmintic fenbendazole. Kirsch R, et al. **Res Vet Sci** 19(3):327–9, Nov 75

Further studies on the effect of ipronidazole on swine dysentery. Messersmith RE, et al. **Vet Med Small Anim Clin** 71(3):343–9, Mar 76

Letter: Treatment of atrophic rhinitis. Morrish JS. **Vet Rec** 97(15):296, 11 Oct 75

Correspondence: Treatment of atrophic rhinitis. Murdoch RS. **Vet Rec** 97(13):251–2, 27 Sep 75

Efficacy of levamisole hydrochloride adminstered subcutaneously against Metastrogylus apri infections in pigs. Oakley GA. **Vet Rec** 97(25–26):498, 20–27 Dec 75

[Phosphoric acid ester preparations used in cattle, swine and sheep with special reference to cholinesterase activity. 3. Use of phosphoric acid ester preparations and their effect on acetylcholinesterase activity in swine] Mieth K, et al. **Arch Exp Veterinaermed** 29(4):491–500, 1975 (Eng. Abstr.) **(Ger)**

[Immuno-prevention of coli infections in swine using live vaccine. 1. Use in coli infections during the 1st days of life] Schimmel D, et al. **Arch Exp Veterinaermed** 29(3):335–48, Jun 75 (Eng. Abstr.) **(Ger)**

[Oral treatment of udder actinomycosis in swine] Buschmann G, et al. **Dtsch Tieraerztl Wochenschr** 83(1):14–7, 5 Jan 76 (Eng. Abstr.) **(Ger)**

[Treatment of reproductive and birth disorders in female domestic animals using oxytocin] Ebert J. **Dtsch Tieraerztl Wochenschr** 83(2):74–8, 5 Feb 76 **(Ger)**

[Residues of procaine penicillin G after intramuscular administration to swine] Schmidt U. **Tieraerztl Prax** 4(2):199–202, 1976 **(Ger)**

[Use of iron-containing preparations on piglets] Karelin AI. **Veterinariia** (7):94–5, Jul 76 **(Rus)**

[Chemotherapy of swine dysentery] Mikhal'chenkov AS. **Veterinariia** (9):58–9, Sep 75 **(Rus)**

ENZYMOLOGY

In vitro studies of mitochondrial and sarcoplasmic reticulum function in muscle of stress susceptible pigs. Campion DR, et al. **J Anim Sci** 43(2):426–31, Aug 76

Activity of disaccharidases and dipeptidases of the intestinal mucosa of piglets during mild and severe infections with Strongyloides ransomi. Enigk K, et al. **J Comp Pathol** 86(2):243–50, Apr 76

Enzyme histochemical studies of adipose tissue in porcine yellow fat disease. Danse LH, et al. **Vet Pathol** 11(6):465–76, 1974

ETIOLOGY

Aetiology and pathogenesis of swine dysentery — recent advances. Callinan RB, et al. **Aust Vet J** 51(9):423–7, Sep 75

Encephalomyocarditis virus infection of pigs. 2. Experimental disease. Littlejohns IR, et al. **Aust Vet J** 51(9):416–22, Sep 75

Polyserositis in pigs due to generalized Escherichia coli infection. Nielsen NC, et al. **Can J Comp Med** 39(4):421–6, Oct 75

Dusty feed and acute respiratory disease in pigs. Jericho KW, et al. **Can Vet J** 16(12):360–6, Dec 75

Experimental intranasal infection of gnotobiotic piglets with Mycoplasma (M.) hyorhinis, M. hyopneumoniae, M. hyosynoviae, M. arginini and Acholeplasma granularum. pp. 341–7. Gois M, et al.

In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Pathogenicity of field isolants of hemagglutinating encephalomyelitis virus for neonatal pigs. Mengeling WL, et al. **J Am Vet Med Assoc** 168(3):236–9, 1 Feb 76

Porcine encephalomyelitis caused by hemagglutinating encephalomyelitis virus. Werdin RE, et al. **J Am Vet Med Assoc** 168(3):240–6, 1 Feb 76

The effect of grassmeal and alfalfa meal on daily gain, thickness of backfat and on the esophagogastric region in bacon pigs. Björklund N–E, et al. **Nord Vet Med** 28(1):33–9, Jan 76

The etiology of swine dysentery. I. Oral inoculation of germ–free swine with Treponema hyodysenteriae and Vibrio coli. Meyer RC, et al. **Vet Pathol** 11(6):515–26, 1974

The etiology of swine dysentery. III. The role of selected gram–negative obligate anaerobes. Meyer RC, et al. **Vet Pathol** 12(1):46–54, 1975

The etiology of swine dysentery. II. Effect of a known microbial flora, weaning and diet on disease production in gnotobiotic and conventional swine. Meyer RC, et al. **Vet Pathol** 11(6):527–34, 1974

Snout–rubbing as a vice in weaned pigs. Allison CJ. **Vet Rec** 98(13):254–5, 27 Mar 76

Relationship of porcine cytomegalovirus and B bronchiseptica to atrophic rhinitis in gnotobiotic piglets. Edington N, et al. **Vet Rec** 98(3):42–5, 17 Jan 76

The role of stress in the pathogenesis of nutritional muscular dystrophy in pigs. Dvořák M, et al. **Zentralbl Veterinaermed [A]** 23(05):384–93, Jul 76

[Effect of experimental lard diet on the incidence of vitamin E deficiency signs in pigs] Tulová M, et al. **Vet Med (Praha)** 20(7):415–26, Jul 75 (Eng. Abstr.) **(Cze)**

[Fertility problems caused by infectious agents pigs in the Netherlands(author's transl)] Akkermans JP. **Tijdschr Diergeneeskd** 100(15):809–20, 1 Aug 75 (Eng. Abstr.) **(Dut)**

[Brucella suis infection(author's transl)] van Golstein–Brouwers GW. **Tijdschr Diergeneeskd** 100(15):838–9, 1 Aug 75 **(Dut)**

[The etiology and pathogenesis of the acute back muscle necrosis of swine] Bickhardt K, et al. **Dtsch Tieraerztl Wochenschr** 82(12):475, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of feed composition on the occurrence of esophagogastric ulcers and on fattening performance in swine] Ehrensperger F, et al. **Zentralbl Veterinaermed [A]** 23(04):265–76, May 76 (Eng. Abstr.) **(Ger)**

[Etiology of gastrointestinal diseases in piglets] Berdnik VP. **Veterinariia** (9):61–3, Sep 75 **(Rus)**

FAMILIAL & GENETIC

A porcine cyclops with normal female karyotype. Arakaki DT, et al. **Am J Vet Res** 37(1):95–6, Jan 76

A genetic basis for resistance to enteric disease caused by E. coli. Rutter JM, et al. **Nature** 257(5522):135–6, 11 Sep 75

IMMUNOLOGY

A comparative examination of swine sera for antibody to Aujeszky virus with the conventional and a modified virus–serum neutralization test and a modified direct complement fixation test. Bitsch V, et al. **Acta Vet Scand** 17(2):142–52, 1976

Detection of Mycoplasma hyopneumoniae antibodies in porcine serum by complement–fixation test. Blackburn BO, et al. **Am J Vet Res** 36(9):1381–2, Sep 75

Ronidazole in low concentrations in drinking water for treatment and development of immunity to swine dysentery. Olson LD, et al. **Am J Vet Res** 37(7):763–7, Jul 76

Erysipelas arthritis in swine: concentrations of complement and third component of complement in synovia. Timoney JF Jr. **Am J Vet Res** 37(1):5–8, Jan 76

The passive transfer of humoral immunity from sows infected with Hyostrongylus rubidus (Hassal and Stiles, 1892), the red stomach worm, to their offspring and its significance in the conferring of protective immunity. Smith HV, et al. **Immunology** 30(2):213–9, Feb 76

Delayed hypersensitivity responses of swine to Ascaris suum infection. Richharia VS, et al. **J Parasitol** 61(6):1113–5, Dec 75

Reliability of the enzyme–linked immunosorbent assay (ELISA) for the serodiagnosis of Trichinella spiralis infections in conventionally raised pigs. Ruitenberg EJ, et al. **Tijdschr Diergeneeskd** 101(2):57–70, 15 Jan 76

Cell–mediated immunity in Aujeszky disease virus infected pigs. H. Influence of lymphocytes on macrophage migration. Wittmann G. **Zentralbl Veterinaermed [B]** 23(5–6):520–8, Jun 76

[Studies of the humoral reactivity of piglets with experimental trichinelliasis] Bratanov V, et al. **Vet Med Nauki** 12(4):76–83, 1975 (Eng. Abstr.) **(Bul)**

[Level of viral antibodies in normal and specific swine and bovine gamma globulin preparations] Iotov M, et al. **Vet Med Nauki** 12(6):44–9, 1975 (Eng. Abstr.) **(Bul)**

[Production and testing of a live lyophilized bivalent vaccine against Aujeszky's disease and erysipelas in swine] Vasilev V, et al. **Vet Med Nauki** 13(3):74–8, 1976 (Eng. Abstr.) **(Bul)**

[Significance of E. coli and additional mechanisms in the pathogenesis of diarrhea in children and young animals] Miler I. **Cesk Pediatr** 30(5):220–6, May 75 **(Cze)**

[E. coli enterotoxicosis in unweaned piglets. I. Some concepts (author's transl)] Rozemond H, et al. **Tijdschr Diergeneeskd** 101(9):458–60, 1 May 76 (Eng. Abstr.) **(Dut)**

[Superneutralization test—a new virus serology examination procedure] Lüpcke W. **Arch Exp Veterinaermed** 30(1):41–7, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Studies on the Relationship between immunity and the level of neutralizing antibodies in pigs vaccinated against foot–and–mouth disease (author's transl)] Bauer K, et al. **Arch Virol** 49(4):349–57, 1975 (Eng. Abstr.) **(Ger)**

[Porcine parvovirus infection and stillbirth in swine. II. Sero–epizootiological survey (author's transl)] Fujisaki Y, et al. **Virus (Tokyo)** 25(1–2):33–41, Sep 75 (Eng. Abstr.) **(Jpn)**

[A sero–epizootical survey on Hong–Kong type influenza among pigs in Japan (author's transl)] Ogawa T, et al. **Virus (Tokyo)** 25(1–2):67–8, Sep 75 **(Jpn)**

[Dynamics of antibody formation in swine with leptospirosis] Bolotskiĭ IA, et al. **Veterinariia** (9):50–2, Sep 75 **(Rus)**

[Lysozyme level in swine with leptospirosis] Bolotskii IA, et al. **Veterinariia** (4):55–6, Apr 76 **(Rus)**

[The role of passive immunization of piglets against foot–and–mouth disease] Sidorov IV. **Veterinariia** (9):40–1, Sep 74 **(Rus)**

[Immunobiological reactivity in swine infected with radioactive phosphorus–labeled Leptospira] Stepanenko PP, et al. **Veterinariia** (6):42–4, Jun 76 **(Rus)**

METABOLISM

The zinc–myoglobin relationships in porcine muscles. Jorgensen PF, et al. **Acta Vet Scand** 17(1):101–6, 1976

Proceedings: The metabolic course of porcine malignant hyperthermia. Lucke JN, et al. **Br J Anaesth** 47(8):905, Aug 75

Pigs susceptible to energy metabolism in the fulminant hyperthermia stress syndrome. Williams CH, et al. **Br Med J** 3(5980):411–3, 16 Aug 75

Effects of various dietary nutrient levels on the incidence of colibacillary diarrhea in pigs: intestinal ligation studies. Armstrong WD, et al. **J Anim Sci** 42(3):592–8, Mar 76

A review of the role of swine skeletal muscle in malignant hyperthermia. Campion DR, et al. **J Anim Sci** 41(3):779–86, Sep 75 (59 ref.)

Mitochondrial traits of muscle from stress–susceptible pigs. Campion DR, et al. **J Anim Sci** 41(5):1314–7, Nov 75

Effect of dietary calcium and phosphorus on the incidence of atrophic rhinitis in pigs. Hsu FS, et al. **J Anim Sci** 43(1):131–9, Jul 76

Halothane–induced rigidity and associated glycolytic and energy phosphate changes in red and white fibres of skeletal muscle of the pig. McLoughlin JV, et al. **J Comp Pathol** 86(3):465–76, Jul 76

Neurochemistry of the spinal cord in congenital tremor of piglets (type AII), a spinal dysmyelimogenesis of infectious origin. Patterson DS, et al. **J Neurochem** 26(3):481–5, Mar 76

Gluconeogenesis from lactate in liver of stress–susceptible and stress–resistant pigs. Dimarco NM, et al. **J Nutr** 106(5):710–6, May 76

The occurrence of C19 steroids in testicular tissue and submaxillary glands of intersex pigs in relation to morphological characteristics. Booth WD, et al. **J Reprod Fertil** 46(1):115–21, Jan 76

Alveolar stability and phospolipid content in normal pig lungs and in pig lungs with Mycoplasma pneumonia. Wichert Pv, et al. **Scand J Respir Dis** 57(1):25–30, 1976

[Neuraminic acid and pathomorphological changes in the body of animals] Kichina MM, et al. **Veterinariia** (2):46–8, Feb 76 **(Rus)**

MICROBIOLOGY

Studies on antigenic patterns of Escherichia coli strains isolated from newborn piglets. Varga J, et al. **Acta Vet Acad Sci Hung** 25(1):27–30, 1975

Regional ileitis in pigs isolation of Campylobacter from affected ileal mucosa. Gunnarsson A, et al. **Acta Vet Scand** 17(2):267–9, 1976

The isolation of a treponema hyodysenteriae–like organism associated with swine dysentery in Norway. Liven E, et al. **Acta Vet Scand** 16(2):324–6, 1975

Effect of lincomycin on prevalence, duration, and quantity of Salmonella typhimurium excreted by swine. DeGeeter MJ, et al. **Am J Vet Res** 37(5):525–9, May 76

Influence of antibiotic–supplemented feed on occurrence and persistence of Salmonella typhimurium in experimentally infected swine. Gutzmann F, et al. **Am J Vet Res** 37(6):649–55, Jun 76

Salmonella and Erysipelothrix infection in swine: a laboratory summary. Harrington R Jr, et al. **Am J Vet Res** 36(9):1379–80, Sep 75

Isolation and identification of mycobacteria from porcine tissues: a three–year summary. Thoen CO, et al. **Am J Vet Res** 36(9):1383–6, Sep 75

Antibiotic resistance and Hly plasmids in serotypes of Escherichia coli associated with porcine enteric disease. Jorgensen ST, et al. **Antimicrob Agents Chemother** 9(1):6–10, Jan 76

Swinepox. Virus isolation, experimental infections and the differentiation from vaccinia virus infections. De Boer GF. **Arch Virol** 49(2–3):141–50, 1975

Isolation of Mycoplasma hyopneumoniae and its association with pneumonia of pigs in Australia. Furlong SL, et al. **Aust Vet J** 51(1):28–31, Jan 75

The isolation of Mycoplasm hyosynoviae and exposure of pigs to experimental infection. Furlong SL, et al. **Aust Vet J** 51(6):291–3, Jun 75

Letter: Demonstration of reovirus–like particles in intestinal contents of piglets with diarrhoea. Rodger SM, et al. **Aust Vet J** 51(11):536, Nov 75

The behaviour of porcine cytomegalovirus in commercial pig herds. Plowright W, et al. **J Hyg (Camb)** 76(1):125–35, Feb 76

Studies on Campylobacter sputorum subspecies Mucosalis. Lawson GH, et al. **J Med Microbiol** 9(2):163–71, May 76

Streptoccal infections in pigs. 2. Serological and biochemical examinations. Riising HJ. **Nord Vet Med** 28(2):80–7, Feb 76

Streptococcal infections in sucking pigs. 1. Epidemiological investigations. Riising HJ, et al. **Nord Vet Med** 28(2):65–79, Feb 76

Bordetella bronchiseptica isolations from the nasal cavity of pigs in relation to atrophic rhinitis. Tornoe N, et al. **Nord Vet Med** 28(1):1–18, Jan 76

Inoculation experiments with Bordetella bronchiseptica strains in SPF pigs. Tornoe N, et al. **Nord Vet Med** 28(4–5):233–42, Apr–May 76

Observations on the association of pathogenic Escherichia coli with small intestinal villi of pigs. Arbuckle JB. **Res Vet Sci** 20(3):233–6, May 76

Microflora of pneumonic lungs in a pig herd established by hysterectomy. Wilson AB. **Res Vet Sci** 20(1):36–9, Jan 76

Leptospirae of serotype lora of the serogroup Australis isolated for the first time from swine in the Netherlands. Hartman EG, et al. **Tijdschr Diergeneeskd** 100(8):421–5, 15 Apr 75

Detection of Salmonella infection in pig herds by examination of slurry. Jones PW, et al. **Vet Rec** 97(18):351–2, 1 Nov 75

Isolation of Acholeplasma granularum from porcine faeces. Roberts DH, et al. **Vet Rec** 99(1):13, 3 Jul 76

Incidence and evaluation of the microbial flora in the lungs of pigs with enzootic pneumonia. Goiš M, et al. **Zentralbl Veterinaermed [B]** 22(3):205–19, Apr 75

Therapeutic experiments and intestinal flora studies in swine dysentery. Sinkovics G. **Zentralbl Veterinaermed [B]** 21(9):706–14, Sep 74

[Isolation and identification of a virus causing abortions and stillbirths in swine (Preliminary report)] Dilovski M, et al. **Vet Med Nauki** 12(8):52–3, 1975 (Eng. Abstr.) **(Bul)**

[Role of the virus of Aujeszky's disease in respiratory diseases of swine] Motovski A. **Vet Med Nauki** 12(8):40–4, 1975 (Eng. Abstr.) **(Bul)**

[Porperties of a strain of Herpesvirus suis isolated in cases with various epizootologic and clinical courses of the disease] Motovski A. **Vet Med Nauki** 12(1):87–90, 1975 (Eng. Abstr.) **(Bul)**

[Mucormycosis in the liver of swine] Bretzinger H, et al. **Dtsch Tieraerztl Wochenschr** 82(12):479, 5 Dec 75 **(Ger)**

[Appearance of drug–resistant, colicinogenic E. coli strains in dead calves and piglets] Gedek B, et al. **Dtsch Tieraerztl Wochenschr** 83(2):49–54, 5 Feb 76 (Eng. Abstr.) **(Ger)**

[Serological studies on the distribution of Aujeszky virus in pig–breeding farms in the Weser–Ems area] Neumann W. **Dtsch Tieraerztl Wochenschr** 83(7):324–7, 5 Jul 76 (Eng. Abstr.) **(Ger)**

[Porcine parvovirus infection and stillbirth in swine. I. Virus isolation from stillborn piglets (author's transl)] Fujisaki Y, et al. **Virus (Tokyo)** 25(1–2):25–32, Sep 75 (Eng. Abstr.) **(Jpn)**

[Microbial flora of the gastrointestinal tract of suckling pigs with diarrhea] Kabankov IuS. **Veterinariia** (8):30–2, Aug 75 **(Rus)**

[Helminthic and microfloral association in the body of swine] Panasiuk DI, et al. **Veterinariia** (4):58–9, Apr 75 **(Rus)**

[Susceptibility of swine to the human influenza virus] Smetanin MA, et al. **Veterinariia** (4):36–7, Apr 75 **(Rus)**

[Antibiotic sensitivity of E. coli strains isolated from piglets with colibacillosis] Zav'iantsev VE. **Veterinariia** (4):54–5, Apr 76 **(Rus)**

[Comparison of nutrient media for isolation of microflora in swine dysentery] Križanová H, et al. **Vet Med (Praha)** 20(7):407–13, Jul 75 (Eng. Abstr.) **(Slo)**

MORTALITY

Neonatal behavior and nutrition–related mortality in domestic swine. Hartsock TG, et al. **J Anim Sci** 42(1):235–41, Jan 76

Causes of culling and death in sows. Svendsen J, et al. **Nord Vet Med** 27(12):604–15, Dec 75

[Pathologo–anatomical data on the causes of loss of swine] Dobin MA, et al. **Veterinariia** (6):40–2, Jun 75 **(Rus)**

OCCURRENCE

Observations on an outbreak of Klebsiella mastitis in sows. Done SH. **Acta Vet Acad Sci Hung** 25(2–3):211–5, 1975

Prevalence of toxoplasmosis in Tasmanian meat animals. Munday BL. **Aust Vet J** 51(6):315–6, Jun 75

The prevalence of sarcosporidiosis in Australian meat animals. Munday BL. **Aust Vet J** 51(10):478–80, Oct 75

Current status of trichinosis in swine in the Atlantic

provinces. Smith HJ, et al. **Can Vet J** 17(3):72–5, Mar 76
Letter: Pseudorabies in sows. Munger GB.
J Am Vet Med Assoc 167(8):697, 15 Oct 75
Prevalence of Trichinella spiralis in the mongoose, human, and swine populations of the Virgin Islands. Slonka GF, et al. **J Parasitol** 62(2):221, Apr 76
Porcine parvovirus in pig herds in Southern Africa. Pini A. **J S Afr Vet Assoc** 46(3):241–4, Sep 75
Fascioloides magna (Bassi, 1875) in feral swine from southern Texas. Foreyt WJ, et al. **J Wildl Dis** 11(4):554–9, Oct 75
Studies on Yersinia enterocolitica. II. Relationship between detection from swine and seasonal incidence, and regional distribution of the organism. Tsubokura M, et al.
Jpn J Vet Sci 38(1):1–6, Feb 76
Preweaning mortality in pigs. 6. Incidence and causes of pneumonia. Bille N, et al. **Nord Vet Med** 27(10):482–95, Oct 75
The identity and occurrence of coccidia species in some New Zealand pigs. McKenna PB. **NZ Vet J** 23(6):99–101, Jun 75
Outbreak of foot-and-mouth disease in the West and Lagos States of Nigeria. Virological and serological studies. Tomori O, et al. **Rev Roum Virol** 25(4):361–4, 1974
Letter: An anthrax outbreak. Dingle PJ. **Vet Rec** 97(17):339–40, 25 Oct 75
Anthrax in England and Wales 1963–1972. Hugh-Jones ME, et al. **Vet Rec** 97(14):256–61, 4 Oct 75
The incidence of stillbirth in cases of dystocia in sows. Jackson PG. **Vet Rec** 97(21):411–2, 22 Nov 75
[Factors capable of increasing salmonella carrier state among clinically healthy swine destined for slaughter] Slavkov I, et al. **Vet Med Nauki** 11(10):88–91, 1974 (Eng. Abstr.) **(Bul)**
[The incidence of diseases of the lung and liver in slaughtered pigs as a criterion in the detection of herds in which the disease is a recurrent problem (author's transl)] Tielen MJ, et al. **Tijdschr Diergeneeskd** 101(17):962–71, 1 Sep 76 (Eng. Abstr.) **(Dut)**
[Swine balantidiosis in the Republic of Zaire and its treatment with niridazole (Ambilhar)] Verhulst A, et al.
Rev Elev Med Vet Pays Trop 28(3):301–4, 1975 (Eng. Abstr.) **(Fre)**
[Observations on the extensity and intensity of cysticercosis in cattle in the Peoples Republic of Poland. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis-Cysticercosis' on April 26th, 1974 in Schwerin] Tarczyński S. **Angew Parasitol** 16(4):208–13, Dec 75 (Eng. Abstr.) **(Ger)**
[Incidence of gastrointestinal worms in swine in clinically healthy farms and in problem farms] Donnerbauer HJ, et al. **Berl Munch Tierarztl Wochenschr** 88(20):393–6, 15 Oct 75 (Eng. Abstr.) **(Ger)**
[Incidence and significance of swine diseases: analysis of autopsy findings (1971–1973). I. Introduction, literature, material, problems] Häni H, et al.
Schweiz Arch Tierheilkd 117(9):517–28, Sep 75 **(Ger)**
['Vomiting and wasting disease' in piglets in Switzerland] Steck F, et al. **Schweiz Arch Tierheilkd** 117(11):617–22, Nov 75 (Eng. Abstr.) **(Ger)**
[Epidemiology of Japenese encephalitis—factor analysis of its decline in recent years] Ishida N, et al.
Jpn J Bacteriol 31(3):375–86, May 76 (Eng. Abstr.) **(Jpn)**
[An outbreak of influenza in the swine with Hong Kong influenza virus (author's transl)] Sugimura T, et al.
Virus (Tokyo) 25(1–2):19–24, Sep 75 (Eng. Abstr.) **(Jpn)**
[Course of beta-hemolytic E. coli carrier state in piglets during weaning] Molenda J, et al. **Pol Arch Weter** 18(1):75–86, 1975 (Eng. Abstr.) **(Pol)**
[Myobacteria isolated from bovine and swine in São Paulo (author's transl)] Corrêa CN, et al.
Arq Inst Biol (Sao Paulo) 40(3):205–8, Jul–Sep 73 (Eng. Abstr.) **(Por)**
[Isolation of leptospira serotype pomona and brucella suis from swines from the State of Santa Catarina, Brazil (author's transl)] Santa Rosa CA, et al.
Arq Inst Biol (Sao Paulo) 40(1):29–32, Jan–Mar 73 (Eng. Abstr.) **(Por)**
[Salmonella in lymph nodes of apparently normal swines slaughtered in the Santa Cruz slaughterhouse, Rio de Janeiro City, Guanabara] Zebral AA, et al.
Mem Inst Oswaldo Cruz 72(3–4):223–35, 1974 (Eng. Abstr.) **(Por)**
[Swine leukoses (a review of the literature)] Burba LG, et al. **Veterinariia** (4):50–2, Apr 75 **(Rus)**
[Etiology and some problems of the epizootology of leptospirosis in animals] Liubashenko SIa, et al.
Veterinariia (12):54–7, Dec 75 **(Rus)**
[Dissemination and etiological structure of leptospirosis of swine] Malakhov IuA, et al. **Veterinariia** (12):50–3, Dec 75 **(Rus)**
[Trichinosis in the Ukrainian SSR] Mel'nik MN, et al.
Wiad Parazytol 21(4–5):549–55, 1975 **(Rus)**
[Prevalence of Balantidium coli infections in swine from Santiago, Chile (author's transl)] Letonja T, et al.
Bol Chil Parasitol 30(3–4):88–9, Jul–Dec 75 (Eng. Abstr.) **(Spa)**
[Balantidiasis and other parasitoses in swine of the Cordoba region] Pignatari de Martínez FM, et al.
Rev Fac Cienc Med Cordoba 32(2):183–6, Apr–Jun 74 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Capillaria infections of pigs: description of C. papuensis sp. n. and the pathology of natural infections. Copland JW.
J Helminthol 49(3):187–90, Sep 75
Percutaneous and subcutaneous infection of pigs with Strongyloides ransomi. Stewart TB. **J Parasitol** 62(4):650–1, Aug 76
Latent infection of toxoplasma in swine. Katsube Y, et al.
Jpn J Vet Sci 37(3):245–52, Jun 75
The relationship between Trichuris trichiura (Linnaeus 1758) of man and Trichuris suis (Schrank 1788) of the pig. Beer RJ. **Res Vet Sci** 20(1):47–54, Jan 76
[Incidence and damages inflicted by simuliid flies in the GDR district of Schwerin] Gräfner G, et al. **Angew Parasitol** 17(1):2–6, Mar 76 (Eng. Abstr.) **(Ger)**
[Incidence of endoparasites in swine bred under 'specific-pathogen-free' ('SPF') and conventional conditions] Pfister F, et al. **Schweiz Arch Tierheilkd** 117(10):585–95, Oct 75 (Eng. Abstr.) **(Ger)**
[A case of trichinelliasis and cysticercosis in wild boars] Zimoroĭ IIa. **Med Parazitol (Mosk)** 44(2):224, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Swine lymphadenitis due to Mycobacterium avium and atypical Mycobacteria. I. Pathological studies. Szabó I, et al. **Acta Vet Acad Sci Hung** 25(1):67–76, 1975
Regional ileitis in pigs: morphological and pathogenetical aspects. Jönsson L, et al. **Acta Vet Scand** 17(2):223–32, 1976
Animal model of human disease: GM2 gangliosidosis. Pierce KR, et al. **Am J Pathol** 83(2):419–22, May 76
Scanning electron microscopy of the lesions of swine dysentery. Kennedy GA, et al. **Am J Vet Res** 37(4):395–401, Apr 76
Brain and spinal cord lesions in pigs inoculated with swine vesicular disease (UKG strain) virus and coxsackievirus B5. Monlux VS, et al. **Am J Vet Res** 36(12):1745–9, Dec 75
Ultrastructural alterations in skeletal muscle of pigs with selenium–vitamin E deficiency. Van Vleet JF, et al.
Am J Vet Res 37(8):911–22, Aug 76
Observations on the pathogenesis of porcine parvovirus infection. Joo HS, et al. **Arch Virol** 51(1–2):123–9, 1976
Encephalomyocarditis virus infection of pigs. 1. An outbreak in New South Wales. Acland HM, et al. **Aust Vet J** 51(9):409–15, Sep 75
Bone pathology in hypervitaminosis D an experimental study in young pigs. Chineme CN, et al. **Cornell Vet** 66(3):387–412, Jul 76
The pathology of subacute methylmerculialism in swine. Davies TS, et al. **Cornell Vet** 66(1):32–55, Jan 76
Generalized porcine cytomegalic inclusion disease: distribution of cytomegalic cells and virus. Edington N, et al. **J Comp Pathol** 86(2):191–202, Apr 76
A comparative study of the histopathology of the large intestine of conventionally reared, specific pathogen free and gnotobiotic pigs infected with Trichuris suis. Hall GA, et al. **J Comp Pathol** 86(2):285–92, Apr 76
Histochemical identification of glycoproteins in pig bronchial epithelium: (a) normal and (b) hypertrophied from enzootic pneumonia. Jones R, et al. **J Pathol** 116(1):1–11, May 75
Purulent leptomeningitis in experimental swine atrophic rhinitis. Maeda M, et al.
Natl Inst Anim Health Q (Tokyo) 16(2):78–9, Summer 76
Malignant hyperthermia in a crossbred Landrace–Large White pig. Cadwallader JA, et al. **NZ Vet J** 23(9):207–11, Sep 75
Observations on the effects of weaning in the young pig. Clinical and histopathological studies of intestinal function and morphology. Kenworthy R. **Res Vet Sci** 21(1):69–75, Jul 76
Comparative study of medullary hematopoiesis in hog cholera and acute malignant swine hemopathies. Manolescu N, et al. **Rev Roum Virol** 25(4):319–22, 1974
[Occurrence and significance of swine diseases: analysis of dissected material (1971–1973). III. Pathology of the digestive tract] Häni H, et al. **Schweiz Arch Tierheilkd** 118(1):13–30, Jan 76 (31 ref.) (Eng. Abstr.)
Ultrastructure of swine pox. Kim JC, et al.
Vet Med Small Anim Clin 70(9):1043–5, Sep 75
Gnotobiotic piglets experimentally infected with neonatal calf diarrhoea reovirus–like agent (Rotavirus). Hall GA, et al. **Vet Pathol** 13(3):197–210, 1976
Inhaled feed particles in experimental pigs with and without vitamin A deficiency. Jericho KW. **Vet Pathol** 12(5–6):415–27, 1975
Intramural coronary arteriosclerosis of normal and dwarfed swine. Kammermann KL, et al. **Vet Pathol** 13(2):104–9, 1976
Evaluation of chromatin clumping and myelination of the spinal cord of pigs with congential tremor. Lamar CH, et al. **Vet Pathol** 12(1):1–5, 1975
Rhinitis of pigs: A gross staining method for macroscopic examination of the nasal mucosa. Done JT, et al.
Vet Rec 98(10):183–5, 6 Mar 76
[Pathomorphological changes in a disease in swine caused by feeding bacterial-contaminated 1-lysine] Dzhurov A. **Vet Med Nauki** 12(9):21–7, 1975 (Eng. Abstr.) **(Bul)**
[Ultrastructure of mitrochondria in the skeletal muscles of swine. A contribution on the pathogenesis of PSE meat] Bergmann V. **Arch Exp Veterinaermed** 28(2):225–41, 1974 (Eng. Abstr.) **(Ger)**
[Comparative studies on the pathology and pathogenesis of spontaneous coli enterotoxemia and experimental coli endotoxin syndrome in swine. VI. Studies on pathomorphology of the lung, liver, kidney in spontaneous colienterotoxemia and experimental coli endotoxin syndrome] Johannsen U. **Arch Exp Veterinaermed** 28(2):275–301, 1974 (Eng. Abstr.) **(Ger)**
[Evaluation of pathological-anatomical examinations on porcine noses] Wirth HG, et al.
Berl Munch Tieraerztl Wochenschr 88(13):245–8, 1 Jul 75 (Eng. Abstr.) **(Ger)**
[Occurrence and significance of swine diseases: Analysis of dissected material (1971–1973). IV. Pathology of the respiratory tract] Häni H, et al.
Schweiz Arch Tierheilkd 118(2):43–57, Feb 76 (176 ref.) (Eng. Abstr.) **(Ger)**
[Incidence and importance of swine diseases: analysis of autopsy findings (1971–1973). V. Pathology of the blood circulation system, urogenital apparatus, systemic diseases serous membranes and joints, skin, locomotion apparatus, hematopoietic system and CNS] Häni H, et al.
Schweiz Arch Tierheilkd 118(3):105–25, Mar 76 (Eng. Abstr.) **(Ger)**
[Occurrence and significance of swine diseases: analysis of dissected material (1971–1973). II. Etiology of diseases and death in various age groups] Häni H, et al.
Schweiz Arch Tierheilkd 118(1):1–11, Jan 76 (38 ref.) (Eng. Abstr.) **(Ger)**
[Mulberry heart disease or dietetic microangiopathy] Schlotke B. **Tieraerztl Prax** 3(3):303–8, 1975 **(Ger)**
[Letter: Reply to J. Püschner's: Mesentery filled with gas bubbles. Published in Tierärztl. prax. 1, 379 (1973)] Sturm F. **Tieraerztl Prax** 2(3):286, 1974 **(Ger)**
[Echinococcosis in swine] Sturm Fr. **Tieraerztl Prax** 2(4):399–400, 1974 **(Ger)**
[Goblet cells in spontaneous colibacteriosis in pigs] Preibisch J, et al. **Pol Arch Weter** 17(4):589–98, 1975 (Eng. Abstr.) **(Pol)**
[Pathologicoanatomic and histomorphological changes in the fetus in chlamydial abortion in swine] Iatsyshin AI, et al.
Veterinariia (4):80–4, Apr 76 **(Rus)**
[Expert evaluation of swine carcasses with pathological changes] Matviichuk VM. **Veterinariia** (4):98–9, Apr 75 **(Rus)**
[Peptic ulcer of the stomach in swine on production farm complexes] Naletov NA, et al. **Veterinariia** (9):97–9, Sep 75 **(Rus)**

PHYSIOPATHOLOGY

Arsanilic acid–induced blindness in swine:
electroretinographic and visually evoked responses. Witzel DA, et al. **Am J Vet Res** 37(5):521–4, May 76
[The influence of Ascaris suum infection upon growth rates in pigs (author's tranls)] Andersen S. **Nord Vet Med** 28(6):322–30, Jun 76 (Eng. Abstr.) **(Dan)**
[Tolerance of the porcine kidney for temporary ischemia. (Biochemical and morphological studies)] Flückiger M, et al. **Arch Exp Veterinaermed** 29(6):929–37, Dec 75 (Eng. Abstr.) **(Ger)**
[Experimental studies on the pathogenesis of coli enterotoxemia in swine. I. Comparison of toxin effect of 2 different E. coli serotypes following parenteral toxin administration] Johannsen U, et al.
Arch Exp Veterinaermed 29(1):33–62, 1975 (Eng. Abstr.) **(Ger)**
[Effect of anemia on various reactions of the domestic swine due to physical exertion. 2. Components of cardiovascular function and body temperature] Steinhardt M, et al.
Arch Exp Veterinaermed 29(4):571–80, 1975 (Eng. Abstr.) **(Ger)**
[Effect of anemia on various reactions of the domestic swine due to physical exertion. I. Initial values and characteristics of anemia] Steinhardt M, et al. **Arch Exp Veterinaermed** 29(4):563–70, 1975 (Eng. Abstr.) **(Ger)**
[Clinical aspects of experimental biotin deficiency in swine and report of early results in field tests] Glättli HR.
Schweiz Arch Tierheilkd 117(3):135–44, Mar 75 (Eng. Abstr.) **(Ger)**
[What is a stress-sensitive swine?] Fischer K.
Tieraerztl Prax 4(1):39–48, 1976 **(Ger)**

PREVENTION & CONTROL

Vaccination experiments on prevention of E. coli enteritis in weanling pigs. Varga J, et al.
Acta Vet Acad Sci Hung 25(2–3):201–4, 1975
Prevention of swine dysentery with a combination of lincomycin and spectinomycin and resistance of swine dysentery to tylosin and sodium arsanilate. Olson LD, et al. **Am J Vet Res** 37(7):769–73, Jul 76
Suppression and control of experimentally induced procine coccidiosis with chlortetracycline combination, buquinolate, and lincomycin hydrochloride. Onawunmi OA, et al. **Am J Vet Res** 37(6):657–60, Jun 76
Effects of parasympathominetics on porcine stillbirth. Sprecher DJ, et al. **Am J Vet Res** 36(9):1331–3, Sep 75
Leptospiral titres in pigs after vaccination. Dobson KJ, et al. **Aust Vet J** 51(9):443–4, Sep 75
Use of a formalin–treated, live Escherichia coli vaccine in the prevention of neonatal enteric colibacillosis in swine. Ward GE, et al. **J Am Vet Med Assoc** 168(4):317–8, 15 Feb 76
Immunization of pigs with the attenuated S– strain of Japanese encephalitis virus. Fujisaki Y, et al.
Natl Inst Anim Health Q (Tokyo) 15(2):55–60, Summer 75

Prostaglandin induced parturition in swine with some aspects on prevention of the MMA (metritis, mastitis, agalactia) syndrome. Einarsson S, et al. **Nord Vet Med** 27(9):429–36, Sep 75

Pleuropneumonia caused by Haemophilus parahaemolyticus. An attempt to control the disease at two progeny testing stations by serological blood testing followed by removal of the seropositive animals and their litter mates. Nielsen R, et al. **Nord Vet Med** 28(7–8):349–52, Jul–Aug 76

Pleuropneumonia of swine caused by Haemophilus parahaemolyticus. Studies on the protection obtained by vaccination. Nielsen R. **Nord Vet Med** 28(7–8):337–48, Jul–Aug 76

Leptospira interrogans serotype pomona infection and leptospiruria in vaccinated pigs. Hodges RT, et al. **NZ Vet J** 24(3):37–9, Mar 76

Iron deficiencies and their relationship to infectious diseases. Hopson JH, et al. **Vet Med Small Anim Clin** 71(6):809–12, Jun 76

Letter: Forebodings on Aujesky's disease. Stork MG. **Vet Rec** 97(19):377, 8 Nov 75

Experimental investigations on the prophylactic value of Olteanu's method in trichinellosis in swine. Cironeanu I, et al. **Wiad Parazytol** 21(4–5):753–7, 1975

Protection of piglets against neonatal E. coli enteritis by immunization of the sow with a vaccine containing heat–labile enterotoxin (LT) I. Protection against experimentally induced diarrhoea. Dobrescu L, et al. **Zentralbl Veterinaermed [B]** 23(1):79–88, Feb 76

[Comparative study of immunity in swine vaccinated with foot–and–mouth disease vaccines prepared with various adjuvants] Mitev G, et al. **Vet Med Nauki** 12(1):16–22, 1975 (Eng. Abstr.) **(Bul)**

[Incidence of MMA after prostaglandin–induced parturition (author's transl)] Hansen LH, et al. **Nord Vet Med** 28(7–8):357–60, Jul–Aug 76 (Eng. Abstr.) **(Dan)**

[Scours due to eschierichia coli in piglets (author's transl)] Bijleveld F, et al. **Tijdschr Diergeneeskd** 101(17):972–3, 1 Sep 76 (Eng. Abstr.) **(Dut)**

[E. coli enterotoxicosis in unweaned piglets. II. Preparation and preventive administration of immunoglobulins (author's transl)] Bokhout BA, et al. **Tijdschr Diergeneeskd** 101(9):461–9, 1 May 76 (Eng. Abstr.) **(Dut)**

[Aujezky's disease in the field and vaccination against the disease (author's transl)] Elsinghorst AH, et al. **Tijdschr Diergeneeskd** 101(16):912–7, 15 Aug 76 (Eng. Abstr.) **(Dut)**

[E. coli enterotoxicosis in unweaned piglets. III. Preparation and use of vaccines in enterotoxaemia due to E. coli in newborn piglets in the Netherlands] Hill WK, et al. **Tijdschr Diergeneeskd** 101(9):470–80, 1 May 76 (Eng. Abstr.) **(Dut)**

[E. coli enterotoxicosis in unweaned piglets. IV. Evaluation of results obtained on using an adjuvant vaccine in the field (author's transl)] Rozemond H. **Tijdschr Diergeneeskd** 101(9):481–90, 1 May 76 (Eng. Abstr.) **(Dut)**

[Sequential analysis of effectiveness of diazepam, a tranquilizer, on stress in swine (author's transl)] Dantzer R. **Ann Rech Vet** 6(2):165–71, 1975 (Eng. Abstr.) **(Fre)**

[Vaccination of sows with the 'Dessau' Salmonella–cholerae–suis adsorbate vaccine] Seyfarth D, et al. **Arch Exp Veterinaermed** 29(1):153–6, 1975 (Eng. Abstr.) **(Ger)**

[The control of enzootic pneumonia (piglet influenza) of swine in the Netherlands] Akkermans JP, et al. **Dtsch Tieraerztl Wochenschr** 82(8):310–4, 5 Aug 75 **(Ger)**

[Durability testing of a DEAE dextran–containing foot–and–mouth–disease vaccine in pigs] Rödder H. **Dtsch Tieraerztl Wochenschr** 82(5):183–4, 5 May 75 (Eng. Abstr.) **(Ger)**

[Cost of SPF sanitation and cost profit comparison] Koch W. **Schweiz Arch Tierheilkd** 117(3):153–62, Mar 75 (Eng. Abstr.) **(Ger)**

[Oral, active immunization of newborn piglets against Escherichia coli: efficiency tests using the intestinal ligature test] Baljer G, et al. **Zentralbl Veterinaermed [B]** 22(6):488–98, Aug 75 (Eng. Abstr.) **(Ger)**

[Immunogenic properties of S. choleraesuis for pigs] Służewska M, et al. **Pol Arch Weter** 17(4):599–608, 1975 (Eng. Abstr.) **(Pol)**

[Variability of postvaccinal antibody activity in swine with different blood groups] Pavlichenko VP, et al. **Tsitol Genet** 10(2):154–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Economic effectiveness of veterinary measures in swine balantidiasis] Bonka PV. **Veterinariia** (1):65–6, Jan 76 **(Rus)**

[Use of Eleutherococcus for preventing transportation stress in swine] Buzlama VS, et al. **Veterinariia** (4) Apr 76 **(Rus)**

[Importance of hygiene in the prevention of infectious atrophic rhinitis] Karelin AI, et al. **Veterinariia** (11):26–8, Nov 75 **(Rus)**

[Experience in the control of teniasis and cellulosae cysticercosis] Korzhenevskil VI, et al. **Veterinariia** (2):75–6, Feb 75 **(Rus)**

[Prevention of toxic dystrophy of the liver in swine] Kudriavtsev AP, et al. **Veterinariia** (2):85–7, Feb 76 **(Rus)**

[Use of citrated horse boood in swine and cattle] Litvin SI. **Veterinariia** (2):98–9, Feb 75 **(Rus)**

[Immunoreactivity of swine to vaccination against Aujeszky's disease, salmonellosis and pasteurellosis] Petrov VF, et al. **Veterinariia** (2):31–4, Feb 75 **(Rus)**

[Disinfection in industrial pig–breeding] Poliakov AA, et al. **Veterinariia** (7):21–6, Jul 75 **(Rus)**

[Experience in the eradication of swine dysentery from farms] Pospeev MF, et al. **Veterinariia** (3):63–4, Mar 76 **(Rus)**

[Specific prophylaxis of colibacillosis and salmonellosis in lambs and piglets] Sytdykov AK, et al. **Veterinariia** (6):50–1, Jun 76 **(Rus)**

[Simultaneous immunization of suckling pigs against plague, Aujeszky's disease and erysipelas] Tsymbal AM, et al. **Veterinariia** (2):57–9, Feb 75 **(Rus)**

[Prevention of ascaridiasis in piglets] Vasil'ev AA, et al. **Veterinariia** (10):60–1, Oct 75 **(Rus)**

[Disinfection of the soil by means of carbathion in helminthoses of swine] Volkov FA. **Veterinariia** (12):28–9, Dec 75 **(Rus)**

RADIOGRAPHY

Porcine atrophic rhinitis: snout radiography as an aid to diagnosis and detection of the disease. Done JT. **Vet Rec** 98(2):23–8, 10 Jan 76

[A comparative x–ray study of infectious atrophic rhinitis and enzootic pneumonia in swine] Mermerski K, et al. **Vet Med Nauki** 11(10):19–26, 1974 (Eng. Abstr.) **(Bul)**

SURGERY

Amputation of prolapsed rectum in young pigs. Kjar HA. **J Am Vet Med Assoc** 168(3):229–30, 1 Feb 76

[Stresnil in operations on swine] Kuznetsov GS, et al. **Veterinariia** (7):93–4, Jul 76 **(Rus)**

TRANSMISSION

Swine lymphadenitis due to Mycobacterium avium and atypical Mycobacteria. II. Studies on the role of littering in mycobacterial lymphadenitis incidence in large–scale pig units. Szabó I, et al. **Acta Vet Acad Sci Hung** 25(1):77–83, 1975

A study of outbreaks of Aujeszky's disease in cattle. II. Further investigations on the routes of infection. Bitsch V. **Acta Vet Scand** 16(3):434–48, 1975

Strongyloides ransomi: prenatal and transmammary infection of pigs of sequential litters from dams experimentally exposed as weanlings. Stewart TB, et al. **Am J Vet Res** 37(5):541–4, May 76

[Post–natal parasitic infection of piglets in contact with infected mothers. a study of 20 sows and 164 piglets, 42 of which were killed at weaning (author's transl)] Raynaud JP, et al. **Folia Vet Lat** 5(3):412–29, Jul–Sep 75 **(Fre)**

[Role of earthworms in the eppizootiology of swine ascardiasis] Smirnov AG. **Veterinariia** (4):67–9, Apr 76 **(Rus)**

SWINE ERYSIPELAS see under **ERYSIPELOTHRIX INFECTIONS**

SWINE VESICULAR DISEASE see under **ENTEROVIRUS INFECTIONS**

SWINEPOX VIRUS see under **POXVIRUSES**

SYCOSIS

DIAGNOSIS

Lupoid sycosis. Kirby J, et al. **Br J Dermatol** 95 Suppl 24:59–60, Jul 76

SYDNONES see under **OXADIAZOLES**

SYMBIOSIS

Endosymbiosis and cellular tolerance in the Hawaiian soft coral Sarcothelia edmondsoni verrill. Mercer EH, et al. **Adv Exp Med Biol** 64:69–76, 1975

Development of Ehrlichia canis, causative agent of canine ehrlichiosis, in the tick Rhipicephalus sanguineus and its differentiation from a symbiotic Rickettsia. Smith RD, et al. **Am J Vet Res** 37(2):119–26, Feb 76

Cross–reactive antigens and lectin as determinants of symbiotic specificity in the Rhizobium–clover association. Dazzo FB, et al. **Appl Microbiol** 30(6):1017–33, Dec 75

Pole cells of Drosophila paulistorum: embryologic differentiation with symbionts. Ehrman L, et al. **Aust J Biol Sci** 28(2):133–44, Apr 75

A comparison of DNA from free living and endosymbiotic Rhizobium leguminosarum (strain PRE). Reijnders L, et al. **Biochim Biophys Acta** 414(2):206–16, 4 Dec 75

Possible formation and development of spirochaete attachment sites found on the surface of symbiotic polymastigote flagellates of the termite Reticulitermes flavipes. Smith HE, et al. **Biosystems** 7(3–4):374–9, Nov 75

Establishment of defined microbial ecosystems in germ–free rats. II. Di–association of Osborne–Mendel rats with Veillonella alcalescens and several oral microorganisms. Mikx FH, et al. **Caries Res** 10(1):49–58, 1976

Establishment and symbiosis of Actinomyces viscosus, Streptococcus sanguis and Streptococcus mutans in germ–free Osborne–Mendel rats. Mikx FH, et al. **Caries Res** 10(2):123–32, 1976

Studies on the chemistry of the octopus renal system and an observation on the symbiotic relationship of the dicyemid Mesozoa. Lapan EA. **Comp Biochem Physiol [A]** 52(4):651–7, 1 Dec 75

Genetic and evolutionary consequences of symbiosis. Margulis L. **Exp Parasitol** 39(2):277–349, Apr 76 (148 ref.)

Endosymbiosis in Blastocystis hominis. Zierdt CH, et al. **Exp Parasitol** 39(3):422–30, Jun 76

Opportunistic infections. Lauter CB. **Heart Lung** 5(4):601–6, Jul–Aug 76

Loss of symbiotic capacity in commercially useful strains of Rhizobium trifolii. Labandera CA, et al. **J Appl Bacteriol** 39(2):209–11, Oct 75

Symbiosis–independent and symbiosis–incompetent mutants of Bdellovibrio bacteriovorus 109J. Varon M, et al. **J Bacteriol** 124(3):1191–7, Dec 75

The morphology of green hydra endosymbionts as influenced by host strain and host environment. Pardy RL. **J Cell Sci** 20(3):655–69, May 76

Dialysis and ultrafiltration techniques for isolated sheep heart symbiosis with a living organism. beneficial effect in hypothermic (13 degrees C) perfusion. Suaudeau J, et al. **J Surg Res** 21(3):175–84, Sep 76

Improved rearing of symbiont–free and infected Rhodnius prolixus using rabbit–ear warmers and simple microbiological isolators. Hill P, et al. **Lab Pract** 24(11):746–7, Nov 75

Growth of algal symbionts in regenerating hydra. Pardy RL, et al. **Nature** 260(5554):809–10, 29 Apr 76

Surface membrane carbohydrate alterations of a flagellated protozoan mediated by bacterial endosymbiotes. Dwyer DM, et al. **Proc Natl Acad Sci USA** 73(3):852–6, Mar 76

Symbiotic relationships between nematodes and plants. Bird AF. **Symp Soc Exp Biol** (29):351–71, 1975 (62 ref.)

Symbiotic relationships between termites and their intestinal microbiota. Breznak JA. **Symp Soc Exp Biol** (29):559–80, 1975 (86 ref.)

Haematophagous insect and haemoflagellate as hosts for prokaryotic endosymbionts. Chang KP. **Symp Soc Exp Biol** (29):407–28, 1975 (78 ref.)

The role of behaviour in marine symbiotic animals. Fricke HW. **Symp Soc Exp Biol** (29):581–94, 1975 (32 ref.)

Symbiosis in Convoluta roscoffensis. Holligan PM, et al. **Symp Soc Exp Biol** (29):205–27, 1975 (65 ref.)

Symbiosis in Paramecium Bursaria. Karakashian MW. **Symp Soc Exp Biol** (29):145–73, 1975 (25 ref.)

Symbiotic theory of the origin of eukaryotic organelles; criteria for proof. Margulis L. **Symp Soc Exp Biol** (29):21–38, 1975 (61 ref.)

Uptake, recognition and maintenance of symbiotic Chlorella by Hydra viridis. Muscatine L, et al. **Symp Soc Exp Biol** (29):175–203, 1975 (63 ref.)

The hereditary symbionts of Paramecium aurelia. Preer JR Jr. **Symp Soc Exp Biol** (29):125–44, 1975 (38 ref.)

The symbiont that never was: an inquiry into the evolutionary origin of the mitochondrion. Raff RA, et al. **Symp Soc Exp Biol** (29):41–92, 1975 (208 ref.)

Symbiosis and the biology of lichenised fungi. Smith DC. **Symp Soc Exp Biol** (29):373–405, 1975

A generalized scheme for classifying organismic associations. Starr MP. **Symp Soc Exp Biol** (29):1–20, 1975 (4 ref.)

Bdellovibrio as symbiont; the associations of Bdellovibrios with other bacteria interpreted in terms of a generalized scheme for classifying organismic associations. Starr MP. **Symp Soc Exp Biol** (29):93–124, 1975 (80 ref.)

Symbiotic dinoflagellates. Taylor DL. **Symp Soc Exp Biol** (29):267–77, 1975 (35 ref.)

Effects of vesicular–arbuscular mycorrhizas on higher plants. Tinker PB. **Symp Soc Exp Biol** (29):325–49, 1975 (59 ref.)

Of 'leaves that crawl': functional chloroplasts in animal cells. Trench RK. **Symp Soc Exp Biol** (29):229–65, 1975 (96 ref.)

Symbiosis of algae and invertebrates: aspects of the symbiont surface and the host–symbiont interface. Muscatine L, et al. **Trans Am Microsc Soc** 94(4):450–69, Oct 75 (63 ref.)

Effect of seed fumigation on the symbiosis of Rhizobium sp. with Arachis hypogaea linn. Kulkarni JH, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):41–4, 1975

[The effect of bacterial activity in sediments on the growth of Trachelomonas hispida] Bertru G. **C R Acad Sci [D] (Paris)** 280(6):771–4, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[The metabolic interactions between Paramecium bursaria Ehrbg. and Chlorella spec. in the Paramecium bursaria–symbiosis. I. The nitrogen and the carbon metabolism (author's transl)] Reisser W. **Arch Microbiol** 107(3):357–60, 1 Apr 76 (Eng. Abstr.) **(Ger)**

['Synthetical' aiptasia mutabilis RAPP (coelenterata) (author's transl)] Czygan FC. **Z Naturforsch [C]** 31(3–4):215–7, Mar–Apr 76 **(Ger)**

[Endosymbiosis: its significance in evolution and genetic exchange in microorganisms] Alikhanian SI, et al. **Genetika** 11(11):141–52, 1975 **(Rus)**

[Rapid method of determining the capacity for symbiotic nitrogen fixation in growing plants under sterile and under natural conditions] Pariiskaia AN, et al. **Mikrobiologiia** 44(5):950–2, Sep–Oct 75 **(Rus)**

[Possibility of the effect of symbiosis on the DNA of nodule bacteria] Krikunets' VM, et al. **Mikrobiol Zh** 37(6):760–1, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Sterility in tsetse flies (Glossina morsitans Westwood) caused by loss of symbionts. Nogge G. **Experientia** 32(8):995–6, 15 Aug 76

SYMBIOTES

Lipid metabolism in the symbiotes of the pea aphid, Acyrthosiphon pisum. Houk EJ, et al. **Comp Biochem Physiol [B]** 54(3):427–31, 1976

METABOLISM

Heme biosynthesis in bacterium–protozoon symbioses: enzymic defects in host hemoflagellates and complemental role of their intracellular symbiotes. Chang KP, et al. **Proc Natl Acad Sci USA** 72(8):2979–83, Aug 75

SYMBOLISM

The use of symbolic drawing, metaphor and illusion in a therapeutic–creative process. Sikelianos M. **Isr Ann Psychiatry** 13(2):142–61, Jun 75

The choice of symbols. Galenson E, et al. **J Am Acad Child Psychiatry** 15(1):83–96, Winter 76

Archetypal energy and the creative image. McCully RS. **J Anal Psychol** 21(1):64–71, Jan 76

Editorial: Signs of the medical times. Felton JS. **J Occup Med** 17(12):789–90, Dec 75

Graphic symbols in an occupational health service. Torpy TF. **J Occup Med** 17(12):756–9, Dec 75

Xerox: a new symbol. Boesky D. **Psychoanal Q** 45(2):290–95, Apr 76

On the umbilicus as bisexual genital. Friedman S. **Psychoanal Q** 45(2):296–8, Apr 76

[Symbol, representation, primary process: critical consideration on Alfred Lorenzer's proposed revisions] Moersch E. **Psyche (Stuttg)** 30(6):503–33, Jun 76 (Eng. Abstr.) **(Ger)**

[The pharmaceutical emblem] Roman'ko VA. **Farm Zh** 31(1):80, Jan–Feb 76 **(Ukr)**

SYMMETREL see **AMANTADINE**

SYMPATHECTOMY

Effect of sympathetic denervation on chronic cold injuries in rabbit brain. A microangiographical and histological study. West KA, et al. **Acta Neurol Scand** 54(3):248–55, Sep 76

Effect of chronic sympathetic denervation upon local regulation of blood flow in human subcutaneous tissue. Henriksen O. **Acta Physiol Scand** 97(3):377–84, Jul 76

Local nervous mechanism in regulation of blood flow in human subcutaneous tissue. Henriksen O. **Acta Physiol Scand** 97(3):385–91, Jul 76

Effects of unilateral cardiac sympathetic denervation on the ventricular fibrillation threshold. Schwartz PJ, et al. **Am J Cardiol** 37(7):1034–40, Jun 76

Lumbar sympathectomy in the treatment of peripheral vascular occlusive disease. Ten year study. Berardi RS, et al. **Am J Surg** 130(3):309–14, Sep 75

Current status of lumbar sympathectomy. Allen TR. **Am Surg** 42(2):89–91, Feb 76 (12 ref.)

Lumbar sympathectomy in end stage arterial occlusive disease. Kim GE, et al. **Ann Surg** 183(2):157–60, Feb 76

Pedal vasomotor tone following aortofemoral reconstructions: a randomized study of concomitant lumbar sympathectomy. Shanik GD, et al. **Ann Surg** 183(2):136–8, Feb 76

Short–term effects of preganglionic sympathectomy on the structure of submandibular salivary acinar cells in rats. Garrett JR, et al. **Arch Oral Biol** 21(3):161–6, 1976

From the editor's armchair: Sympathectomism. Warren R. **Arch Surg** 111(8):928, Aug 76

Assessment of sympathectomy in the treatment of peripheral vascular disease. Keates JS, et al. **Bibl Anat** 13:396–7, 1975

Proceedings: Nutritional skin blood flow before and after chemical sympathectomy. Morrice JJ, et al. **Br J Surg** 62(8):666–7, Aug 75

Structural changes associated with parotid 'degeneration secretion' after post–ganglionic sympathectomy in rats. Garrett JR, et al. **Cell Tissue Res** 162(1):1–12, 16 Sep 75

Effect of denervation on the mitotic index of the intestinal epithelium of the rat. Musso F, et al. **Cell Tissue Res** 163(3):395–402, 12 Nov 75

Sweat studies in hyperhidrosis palmaris and plantaris. A survey of 60 patients before and after cervical sympathectomy. Shoenfeld Y, et al. **Dermatologica** 152(5):257–62, 1976

Theophylline stimulation of gluconeogenesis from alanine in normal and sympathectomized rats. Saccà L, et al. **Horm Metab Res** 8(1):38–41, Jan 76

Compensatory mechanisms following peripheral chemical sympathectomy. pp. 231–8. de Champlain J, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.1.**

Sympathectomy and femoral blood flow. pp. 169–75. Wright CB, et al. **In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

Lumbar sympathectomy in the treatment of uncomplicated intermittent claudication. Berardi RS, et al. **Int Surg** 61(1):53–6, Jan 76

Physiological basis of sympathetic surgery for the upper limb in Raynaud's diseases. Arnulf G. **J Cardiovasc Surg (Torino)** 17(4):354–7, Jul–Aug 76

Effects of lumbar sympathectomy on thromboangiitis obliterans. Nakata Y, et al. **J Cardiovasc Surg (Torino)** 16(4):415–25, Jul–Aug 75

Is lumbar sympathectomy liable to influence the results of reconstructive arterial surgery? Perrin M. **J Cardiovasc Surg (Torino)** 16(4):381–3, Jul–Aug 75

The influence of lumbar sympathectomy on the permeability of reconstructions. Van der Stricht J. **J Cardiovasc Surg (Torino)** 16(5):552–3, Sep–Oct 75

Glucagon response to hypoglycemia in sympathectomized man. Palmer JP, et al. **J Clin Invest** 57(2):522–5, Feb 76

An ultrastructural study of sympathetic ganglion satellite cells in the rat. 2. Effect of preganglionic sympathectomy. Chang PL, et al. **J Neural Transm** 38(1):43–57, 1976

Vasospastic dystrophy of the hand. Case report. Bender JL. **J Neurosurg** 43(6):764–6, Dec 75

Proceedings: Effects of post–ganglionic sympathectomy relating to parotid 'degeneration secretion' in rats. Garrett JR, et al. **J Physiol (Lond)** 250(1):7P–9P, Aug 75

Experimental chemical sympathectomy. Regional and systemic effects of intraarterial injection of 6–OH dopamine. Barrie WW, et al. **J Surg Res** 19(5):333–40, Nov 75

Proceedings: Hypertension in SHR after abdominal sympathectomy. Iriuchijima J, et al. **Jpn Heart J** 17(3):354–5, May 76

Effect of lumbar sympathectomy on muscle circulation in dogs and patients. Hirai M, et al. **Nagoya J Med Sci** 37(3–4):71–7, Mar 75

Nursing care study: bilateral cervical sympathectomy for acrocyanosis. Grima MR. **Nurs Times** 71(47):1850–2, 20 Nov 75

Inhibition of cyclocytidine–induced enlargement of parotid and heart by propranolol or sympathectomy. Schneyer CA, et al. **Proc Soc Exp Biol Med** 150(2):394–400, Nov 75

Behavioural supersensitivity to apomorphine following cerebral dopaminergic denervation by 6–hydroxydopamine. Nahorski SR. **Psychopharmacologia** 42(2):159–62, 28 May 75

Metabolic alterations following chemical sympathectomy with 6–hydroxydopamine in the rat. Imbach A. **Recent Adv Stud Cardiac Struct Metab** 9:259–67, 1976

Sympathetic innervation of cerebral arteries: prejunctional supersensitivity to norepinephrine after sympathectomy or cocaine treatment. Edvinsson L, et al. **Stroke** 6(5):525–30, Sep–Oct 75

Sympathectomy revisited: Dodo or phoenix? Takats G. **Surgery** 78(5):644–59, Nov 75 (81 ref.)

Absence of a circadian rhythm in crypt cell mitotic rate following chemical sympathectomy in rats. Tutton PJ. **Virchows Archiv [Cell Pathol]** 19(2):151–6, 7 Nov 75

[Sympathectomy in the treatment of obliterative arterial disease of the lower limbs due to arteriosclerosis] Grga A, et al. **Lijec Vjesn** 97(10):570–4, Nov 75 (Eng. Abstr.) **(Cro)**

[Lumbar sympathectomy. Indications based on the hyperemia test and pentothal test] Courbier R, et al. **Chirurgie** 101(5):327–33, 16–23 Apr 75 (Eng. Abstr.) **(Fre)**

[Letter: Study of sympathetic ganglic by electron microscopy. Anatomo–clinical relations in arteriopathies] Courbier R, et al. **Nouv Presse Med** 4(24):1814, 14 Jun 75 **(Fre)**

[Objective results of lumbar sympathectomy. Statistical study, based on vascular function tests] Courbier R, et al. **Nouv Presse Med** 5(10):633–6, 6 Mar 76 (Eng. Abstr.) **(Fre)**

[Results of lumbar sympathectomy intervention in arteritis of the lower extremities. Apropos of 186 cases] Choquart P, et al. **Phlebologie** 28(3–4):493–8, Jul–Sep 75 **(Fre)**

[Lumbar sympathectomy] Gédéon A, et al. **Phlebologie** 28(3–4):467–72, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[Letter: Sympathectomy in diabetes] Waibel P. **Dtsch Med Wochenschr** 100(40):2058, 3 Oct 75 **(Ger)**

[Nutritional effects following lumbar sympathectomy in arterial occlusive disease (author's transl)] Kreuzer W, et al. **Thoraxchirurgie** 23(5):475–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Results of thoracoscopic sympathectomy in hyperhidrosis of the upper extremities (author's transl)] Fritsch A, et al. **Wien Klin Wochenschr** 87(17):548–50, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Experimental Subarachnoid hemmorrhage in dogs—effect of various drugs and sympathectomy on cerebral arterial spasm (author's transl)] Noda S. **Neurol Surg (Tokyo)** 3(9):747–55, Sep 75 (Eng. Abstr.) **(Jpn)**

[Effect of lumbar sympathectomy on the blood flow in the feet determined by means of isotope technic] Ostaszewski R, et al. **Pol Przegl Chir** 48(3):405–8, Mar 76 (Eng. Abstr.) **(Pol)**

[Value of resection of the superficial temporal vasculo–nervous bundle in some cases of vascular headache of a autonomic nature] Florescu V, et al. **Rev Chir [Otorinolaringol]** 20(2):113–7, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Responses of the neuromuscular synapses of chronically desympathized frog muscles to tetanic nerve stimulation] Vasil'eva NP, et al. **Fiziol Zh SSSR** 62(3):391–8, Mar 76 (Eng. Abstr.) **(Rus)**

[Prolonged continuous intra–arterial infusion associated with simultaneous lumbar sympathectomy in occlusive vascular diseases of the lower extremities] Kurbangaleev SM, et al. **Klin Khir** (12):34–6, Dec 75 **(Rus)**

[Role of sympathectomy in the treatment of patients with arterioslcerosis obliterans of the femoral and popliteal arteries] Natsvlishvili GA, et al. **Klin Khir** (7):68–70, Jun 75 **(Rus)**

[The growth of axons in the periphery after a decrease in the quantity of nerve cells in sympathetic ganglia] Borisov MM, et al. **Neirofiziologiia** 8(1):84–90, 1976 (Eng. Abstr.) **(Rus)**

[The effect of adrenaline and adrenal desympathization on cerebral convulsive activity] Nanobashvili ZI, et al. **Neirofiziologiia** 7(2):149–55, 1975 **(Rus)**

[Hemodynamics during aortic clamping] Pintos Díaz G, et al. **Angiologia** 28(4):193–8, Jul–Aug 76 **(Spa)**

[The place of lumbar sympathectomy in distal artery occlusion] Ozgür M, et al. **Turk Tip Dern Derg** 39(12):466–75, 1973 **(Tur)**

ADVERSE EFFECTS

Increase of arteriovenous shunts after lumbar sympathectomy. Waibel PP, et al. **J Cardiovasc Surg (Torino)** Spec No:638–41, 1973

Unilateral blindness following vidian neurectomy. Sood GC, et al. **J Laryngol Otol** 90(3):311–12, Mar 76

[Ischemic complications of the extremities after sympathectomy] Andreev AP. **Khirurgiia (Sofiia)** 28(6):565–8, 1975 (Eng. Abstr.) **(Bul)**

[Para–ureteric cyst. A rare complication of abdominal surgery (author's transl)] Wegener OH, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):347–50, Oct 75 (Eng. Abstr.) **(Ger)**

[Potency disorder in men after lumbar sympathectomy] Nachbur B, et al. **Helv Chir Acta** 43(1–2):83–6, Mar 76 **(Ger)**

[Phenomena associated with sympathectomy following hyperhidrosis] Shoenfeld Y, et al. **Harefuah** 90(7):309–11, 1 Apr 76 (Eng. Abstr.) **(Heb)**

METHODS

A comparison of the supraclavicular and axillary approaches to upper thoracic sympathectomy. Little JM, et al. **Aust NZ J Surg** 45(2):143–6, May 75

Radiology in chemical sympathectomy. Wright MJ. **Br J Radiol** 48(573):704–7, Sep 75

Cervical sympathectomy for cerebral vasospasm after aneurysm rupture. Suzuki J, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:41–50, 1975

Supraclavicular approach for upper dorsal sympathectomy. Khanna SK, et al. **Vasc Surg** 9(3):151–9, May–Jun 75

Axillary sympathectomy for upper extremities. Man B, et al. **Vasc Surg** 10(3):138–43, May–Jun 76

[Comparison of the Atkins–Smith method of superior thoracic sympathectomy] Mayzlík J, et al. **Rozhl Chir** 54(11):749–52, Nov 75 (Eng. Abstr.) **(Cze)**

[The value of endoscopic–endothoracal sympathectomy from an angiological point of view] Flora G, et al. **Vasa** 4(3):235–9, 1975 (Eng. Abstr.) **(Ger)**

STANDARDS

[Is sympathectomy still useful? The therapy of disorders of the peripheral arterial blood supply] Krasemann PH. **Med Monatsschr** 29(12):538–45, Dec 75 **(Ger)**

SYMPATHETIC GANGLIA see **GANGLIA, AUTONOMIC**

SYMPATHETIC NERVOUS SYSTEM

Sympathetic control of cerebral blood flow in acute arterial hypertension. Bill A, et al. **Acta Physiol Scand** 96(1):114–21, Jan 76

Sympathetic block in herpes zoster. Masud KZ, et al. **Am Fam Physician** 12(5):142–4, Nov 75

Proceedings: Significance of 3–methoxytyrosine and its metabolites in urine of patients with sympathetic nervous system tumours. Penchansky L, et al. **Arch Dis Child** 50(8):665, Aug 75

Sympathetic nerve involvement with mesothelioma of the pleura. Stanford F. **Br J Dis Chest** (2):134–7, Apr 76

Catecholamine–containing nerve fibres in the human abdominal vagus. Lundberg J, et al. **Gastroenterology** 70(3):472–4, Mar 76

The significance of the perivascular innervation of the brain. pp. 175–82. Peerless SJ, et al. **In: Cervós–Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.**

Some physiologic properties of nerves in the adventitia of cerebral blood vessels as revealed by fluorescence microscopy. pp. 183–9. Rosenblum WI. **In: Cervós–Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.**

Effect of renal sympathetic nerve stimulation on proximal water and sodium reabsorption. Bell–Reuss E, et al. **J Clin Invest** 57(4):1104–7, Apr 76

Abdominal sympathoblastoma in an adult with lung abscess. Chaudhury A. **J Indian Med Assoc** 64(9):240–2, 1 May 75

Localized sympathetic overactivity: an uncommon complication of lung cancer. Walsh JC, et al. **J Neurol Neurosurg Psychiatry** 39(1):93–5, Jan 76

Diagnostic features of tumors of the lower thoracic sympathetic chain. Gonzales ET Jr, et al. **J Urol** 115(3):320–2, Mar 76

Role of adrenergic influences in digitalis–induced ventricular arrhythmia. Roberts J, et al. **Life Sci** 18(7):665–77, 1 Apr 76 (111 ref.)

Diagnosis and treatment of neuroblastoma. Evans AE, et al. **Pediatr Clin North Am** 23(1):161–70, Feb 76

Effect of breathing helium on sympathetic nervous and cardiovascular functions. Nicholas TE, et al.

Undersea Biomed Res 1(3):271–80, Sep 74

[Neuroblastoma of the sympathicus, report on 8 cases in infancy] Mardešić D, et al. **Liječ Vjesn** 97(6):359–64, Jun 75 **(Cro)**

[Gustatory sweating and its relations to the quadrant syndrome] Achenbach R. **Hautarzt** 26(6):293–8, Jun 75 **(Ger)**

[Spinal osteomyelitis after lumbar sympathetic trunk blockade] Hölzl HR, et al. **Zentralbl Chir** 101(13):807–9, 1976 **(Ger)**

[Cardiovascular disorders of the neurogenic nature] Vein AM. **Kardiologiia** 15(9):145–50, Sep 75 **(Rus)**

[Dynamics of bioelectrical activity of cerebral cortex in patients with epilepsi after the action of 2-cycle diadynamic current on the sympathetic nerves of the neck] Iaverbaum NP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):437–41, Sep-Oct 75 **(Rus)**

[Changes of the nervous system as an early sign of fluorine poisoning] Nekhamkis AN. **Vrach Delo** (5):136–8, May 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Adrenergic innervation of human mesenteric blood vessels. Gerke DC, et al. **Aust J Exp Biol Med Sci** 53(3):241–3, Jun 75

Influence of sex hormones on the amount of adrenergic transmitter in the rabbit oviduct. pp. 260–7. Owman C, et al.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 16167n 1974.

ANATOMY & HISTOLOGY

Adrenergic innervation of the human parathyroid glands. Norberg KA, et al. **Acta Chir Scand** 141(5):319–22, 1975

Sympathetic nerves to the rat cornea. Tervo T, et al. **Acta Ophthalmol (Kbh)** 54(1):75–84, Feb 76

Adrenergic and cholinergic innervation of the arteriovenous anastomosis in the rabbit's ear. Iijima T, et al. **Anat Rec** 185(3):373–80, Jul 76

A new concept of the sympathetic pathways to the eye. Palumbo LT. **Ann Ophthalmol** 8(8):947–54, Aug 76

Fluorescence histochemistry and autoradiography of adrenergic nerves in the renal juxtaglomerular complex of mammals and man, with special regard to the efferent arteriole. Doležel S, et al. **Cell Tissue Res** 169(2):211–20, 14 Jun 76

Lumbar part of the sympathetic trunk in human fetuses and newborns. Prejzner-Morawska A, et al. **Folia Morphol (Warsz)** 34(3):275–83, 1975

The central adrenergic system. An immunofluorescence study of the location of cell bodies and their efferent connections in the rat utilizing dopamine-beta-hydroxylase as a marker. Swanson LW, et al. **J Comp Neurol** 163(4):467–505, 15 Oct 75

Fluorescence of biogenic monoamines in the human dental pulp. Baumann TW, et al. **Oral Surg** 41(4):531–3, Apr 76

The spinal route of sympatho-inhibitory pathways descending from the medulla oblongata. Coote JH, et al. **Pfluegers Arch** 359(4):335–47, 29 Sep 75

The 'richness' of sympathetic innervation. A comparison of cerebral and extracerebral blood vessels. Rosenblum WI. **Stroke** 7(3):270–1, May-Jun 76

[Lumbar nerves and their sympathetic connections in man. Data on 17 dissections] Gillot C, et al. **Arch Anat Pathol (Paris)** 23(4):277–85, Dec 75 (Eng. Abstr.) **(Fre)**

[Significance of coronary innervation] Holtz J. **Fortschr Med** 93(32):1621, 13 Nov 75 **(Ger)**

[Studies on the adrenergic innervation of the human umbilical cord] Stoppelli I, et al. **Minerva Ginecol** 27(7):505–7, Jul 75 **(Ita)**

[Histochemical studies of the vasomotor innervation of the central retinal artery] Jabloński J. **Klin Oczna** 45(12):1267–7, Dec 75 (Eng. Abstr.) **(Pol)**

[Histochemical methods of catecholamine fluorescence in the study of the adrenergic mechanism of eye tissues] Jabloński J. **Klin Oczna** 46(3):273–9, Mar 76 (Eng. Abstr.) **(Pol)**

[Anatomical peculiarities of the lumbar sympathetic trunk] Stawarz B, et al. **Pol Przegl Chir** 47(7):943–6, Jul 75 (Eng. Abstr.) **(Pol)**

[Luminescent-histochemical study of the sympathetic innervation of the large intestine in some mammals] Amvros'ev AP. **Arkh Anat Gistol Embriol** 69(8):47–51, Aug 75 (Eng. Abstr.) **(Rus)**

[The intratruncal structure of the connections between the sympathetic trunk and the human brachial plexus and their individual differences] Bisenkov NP, et al. **Arkh Anat Gistol Embriol** 69(7):45–51, Jun 75 (Eng. Abstr.) **(Rus)**

[A morphotopographic and electrophysiologic study of the extracardiac innervation of the cat heart from the right side] Krasnozhenova NA, et al. **Biol Nauki** (4):28–33, 1975 **(Rus)**

[Innervation of the substance of the brain] Erkhov IS. **Zh Nevropatol Psikhiatr** 16(1):75–7, 1976 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Effect of training for loads in the ventrodorsal direction on the blood vessels of the sympathetic trunk of the rabbit brain] Muratikova VA. **Arkh Anat Gistol Embriol** 69(10):68–72, Oct 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Categories of axons in mammalian rami communicantes. Coggeshall RE, et al. **J Comp Neurol** 167(1):105–23, 1 May 76

Fiber analysis of the feline inferior cardiac sympathetic nerve. Emery DG, et al. **J Comp Neurol** 166(4):457–68, 15 Apr 76

Unmyelinated preganglionic fibers in frog ventral roots. Vance WH, et al. **J Comp Neurol** 164(1):117–25, 1 Nov 75

Proceedings: Injection of fluorescent dyes to the rabbit sympathetic nerve cells and their membrane characteristics. Saisho G, et al. **J Physiol Soc Jpn** 36(8–9):362, 1 Sep 74

[Some histochemical characteristics of cells from the myenteric plexus existence of histaminergic tryptaminergic and dopaminergic cells and fibers in the metasympathetic system] Catini C. **Riv Istochim Norm Patol** 18(1–4):8–15, 1974 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Effect of chemical sympathectomy (6-hydroxydopamine) on gastrointestinal propulsion after laparotomy. An experimental study in the rat. Ohrn PG, et al. **Acta Chir Scand [Suppl]** (461):31–42, 1976

The effect of angiotensin infusion, sodium loading and sodium restriction on the renal and cardiac adrenergic nerves. Ljungqvist A. **Acta Pathol Microbiol Scand [A]** 83(6):661–8, Nov 75

Left ventricular pressure-mural force relationship during sympathetic stimulation. Lewartowski B, et al. **Acta Physiol Pol** 26(3):217–22, May-Jun 75

Noradrenaline release following nerve stimulation and its modification by prostaglandin E2 in human and rabbit oviduct. Moawad A, et al. **Acta Physiol Scand** 95(1):142–4, Sep 75

Effect of serotonin on brown adipose tissue and on its sympathetic neurons. Steiner G, et al. **Am J Physiol** 231(1):34–9, Jul 76

Disturbances in the function of cardiovascular system in patients following endotracheal intubation and attempts of their prevention by pharmacological bloackade of sympathetic system. Siedlecki J. **Anaesth Resusc Intensive Ther** 3(2):107–23, Apr-Jun 75

Acute anticholinergic syndrome due to Jimson seed ingestion. Clinical and laboratory observation in six cases. Mikolich JR, et al. **Ann Intern Med** 83(3):321–5, Sep 75

The adrenergic neuron blocking activity of propranolol and alprenolol. Del Río J, et al. **Arch Farmacol Toxicol** 1(2):125–36, Aug 75

Electrical events associated with the action of nicotine at the adrenergic nerve terminal. Bevan JA, et al. **Arch Int Pharmacodyn Ther** 218(1):84–95, Nov 75

Effects of naturally occurring catecholamines on adrenergic neuro-effector interaction in isolated cutaneous veins. Dalemans P, et al. **Arch Int Pharmacodyn Ther** 220(2):333–4, Apr 76

Inhibition of the sympathetic nervous system by dopamine. Ilhan M, et al. **Arch Int Pharmacodyn Ther** 216(1):4–10, Jul 75

Synthesis and adrenergic neuron blocking properties of some alkylating analogues of bretylium. Krueger CA, et al. **Arch Int Pharmacodyn Ther** 218(1):96–105, Nov 75

The effects of amiodarone, an alpha and beta receptor antiagonist, on adrenergic transmission in the cat spleen. Bacq ZM, et al. **Biochem Pharmacol** 25(10):1195–9, 15 May 76

Effects of chronic chlorisondamine administration on the sympatho-adrenal axis. Slotkin TA, et al. **Biochem Pharmacol** 25(11):1311–5, 1 Jun 76

Concerning the role of the amine pump of the adrenergic innervation of rabbit aorta in sustaining the neuron blockade produced by bethanindine and bretylium. Maxwell RA, et al. **Blood Vessels** 12(3):166–80, 1975

Effects of ketamine on central sympathetic discharge and the baroreceptor reflex during mechanical ventilation. McGrath JC, et al. **Br J Anaesth** 47(11):1141–7, Nov 75

An electrophysiological analysis of the effects of amine-uptake blockers and alpha-adrenoceptor blockers on adrenergic neuromuscular transmission. Bennett MR, et al. **Br J Pharmacol** 55(1):87–95, Sep 75

An electrophysiological analysis of the effects of reserpine on adrenergic neuromuscular transmission. Bennett MR, et al. **Br J Pharmacol** 55(1):79–85, Sep 75

Proceedings: Effects of ketamine on the peripheral sympathetic nervous system of the rat. Clanachan AS, et al. **Br J Pharmacol** 55(2):245P, Oct 75

Peripheral effects of fenfluramine. Mitchell GED, et al. **Br J Pharmacol** 57(2):185–9, Jun 76

Hydrocortisone-induced increase in the histochemically demonstrable catecholamine content of sympathetic neurons of the newborn rat. Costa M, et al. **Brain Res** 67(3):457–66, 8 Mar 74

Changes of skin nerve sympathetic activity during induction of general anaesthesia with thiopentone in man. Wallin BG, et al. **Brain Res** 103(1):157–60, 13 Feb 76

The effects of althesin and thiopentone on sympathetic and baroreflex activity. MacKenzie JE, et al. **Can Anaesth Soc J** 23(3):252–62, May 76

The effects of althesin on arterial pressure, pulse rate preganglionic sympathetic activity and barostatic reflexes in cats. Sapthavichaikul S, et al. **Can Anaesth Soc J** 22(5):587–600, Sep 75

The influence of beta-adrenergic antagonists on the adrenergic responses of the rat vas deferens. Tomei LD, et al. **Can J Physiol Pharmacol** 54(03):188–99, Jun 76

Pharmacomorphological study of denervation induced by 6-hydroxydopamine in Porichthys photophores. Anctil M, et al. **Cell Tissue Res** 166(3):365–88, 25 Feb 76

Modulation of adrenergic transmission by acetylcholine. Story DF, et al. **Clin Exp Pharmacol Physiol** Suppl 2:27–33, 1975 (49 ref.)

Direct calcium-stimulated release of glucagon from the isolation perfused rat pancreas and the effect of chemical sympathectomy. Lundquist I, et al. **Endocrinology** 98(3):815–8, Mar 76

Prevention of 6-hydroxydopamine neurotoxicity. Cohen G, et al. **Eur J Pharmacol** 33(1):217–21, Aug 75

Localization of the central sympatho-inhibitory effect of a narcotic analgesic agent, fentanyl, in cats. Daskalopoulos NT, et al. **Eur J Pharmacol** 33(1):91–7, Aug 75

Bulbocapnine's ability to antagonize the adrenergic inhibitory action of dopamine and analogs. Ilhan M, et al. **Eur J Pharmacol** 33(1):13–8, Aug 75

The potentiating effects of 4-aminopyridine on adrenergic transmission in the rabbit vas deferens. Johns A, et al. **Eur J Pharmacol** 38(1):71–8, Jul 76

Modification and characterization of the permanent sympathectomy produced by the administration of guanethidine to newborn rats. Johnson EM Jr, et al. **Eur J Pharmacol** 37(1):45–54, May 76

The electrodermal response as a model for central sympathetic reactivity: the action of clonidine. Koss MC, et al. **Eur J Pharmacol** 37(1):71–8, May 76

Changes in acetylcholine and noradrenaline sensitivity of chick smooth muscle wholly innervated by sympathetic nerve during development. Kuromi H, et al. **Eur J Pharmacol** 33(1):41–5, Aug 75

Degeneration of adrenergic axons in the longitudinal muscle coat of the rat duodenum following treatment with 6-hydroxydopamine. Wong WC. **Experientia** 31(9):1080–2, 15 SEP 75

Effect of copper and plastic intrauterine devices on the norepinephrine content of rabbit oviduct and uterus. Grundsell H, et al. **Fertil Steril** 26(9):919–23, Sep 75

Effects of reserpine and alpha-methyldopa upon adrenergic nerve function in the guinea pig heart. pp. 422–55. Smith CB.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Centrally mediated hemodynamic effects of angiotensin. pp. 175–82. Ferrario CM, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Chemical sympathectomy and two-way escape and avoidance learning in the rat. Lord BJ, et al. **J Comp Physiol Psychol** 90(3):303–16, Mar 76

Observations on sensory and sympathetic function during intrathecal analgesia. Nathan PW. **J Neurol Neurosurg Psychiatry** 39(2):114–21, Feb 76

Adrenergic responses of the rabbit stomach serosal strip and their modification by monoamine oxidase inhibitors and anti-adrenergic drugs. Khayyal MT, et al. **J Pharm Pharmacol** 28(6):489–92, Jun 76

Evaluation of the permanent sympathectomy produced by the administration of guanethidine to adult rats. Johnson EM Jr, et al. **J Pharmacol Exp Ther** 196(1):53–61, Jan 76

Effects of amide-linked local anesthetics on adrenergic neuroeffector junction in cutaneous veins of dog. Muldoon SM, et al. **J Pharmacol Exp Ther** 196(3):723–36, Mar 76

Effects of amide-linked local anesthetics on adrenergic neuroeffector junction in cutaneous veins of dog. Muldoon SM, et al. **J Pharmacol Exp Ther** 196(3):723–36, Mar 76

Sympathetic cardiovascular effects of experimental strychnine poisoning in dogs. Sofola OA, et al. **J Pharmacol Exp Ther** 196(1):29–34, Jan 76

Opposing responses in sympathetic nerve activity induced by central injections of ouabain. Weaver LC, et al. **J Pharmacol Exp Ther** 195(1):114–25, Oct 75

Digoxin toxicity: primary sites of drug action on the sympathetic nervous system. Weaver LC, et al. **J Pharmacol Exp Ther** 197(1):1–9, Apr 76

The effect of 2-deoxy-D-glucose and D-glucose on the efferent discharge rate of sympathetic nerves. Niijima A. **J Physiol (Lond)** 251(1):231–43, Sep 75

Proceedings: Adrenergic effect on the slow inhibitory postsynaptic potentials of sympathetic ganglia in frogs. Kobayashi H, et al. **J Physiol Soc Jpn** 36(8–9):292, 1 Sep 74

Experimental chemical sympathectomy. Regional and systemic effects of intraarterial injection of 6-OH dopamine. Barrie WW, et al. **J Surg Res** 19(5):333–40, Nov 75

Proceedings: Effect of chemical sympathectomy on development of hypertension in stroke-prone and stroke-resistant SHR. Ikeda H, et al. **Jpn Heart J** 17(3):420–1, May 76

The in vitro and in vivo effects of vinca alkaloids on the noradrenergic innervation of the vas deferens. Gardiner SM, et al. **Med Biol** 54(3):193–202, Jun 76

Selective noradrenergic denervation of the heart following intravenous injections of vinblastine or vincristine. Bennett T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(2):175–82, May 76

Antinociceptive and stimulant effects of morphine after chemical sympathectomy. Navarro G. **Pharmacology**

14(3):265–73, 1976

Pharmacological and histochemical studies on sympathetic inhibition of the urinary bladder in dogs. Ohtsuka M, et al. **Proc West Pharmacol Soc** 18:221–4, 1975

A pharmacological of sympathetic afferent discharges originating from the cardiac region. Takenaka F, et al. **Proc West Pharmacol Soc** 18:1–4, 1975

Adrenergic contribution to digitalis action. Tanabe T, et al. **Proc West Pharmacol Soc** 18:20–2, 1975

Adrenergic innervation of the heart as a site for the genesis and control of arrhythmia. Roberts J, et al. **Recent Adv Stud Cardiac Struct Metab** 3:357–66, 1973

A direct acting adrenergic component of the venom of the Sydney funnel-web spider, Atrax robustus. Morgans D, et al. **Toxicon** 14(3):185–9, 1976

[Influence of dibutyryl cyclic AMP and theophylline on the frequency of nuclear microtubules and microfilaments of sympathetic neurons] Leonetti J, et al. **C R Acad Sci [D] (Paris)** 281(5–8):423–6, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Nonspecific pharmacodynamic action of antideprin (imipramine) as compared with that of a neuroleptic (chlorpromazine) on the sympatho-adrenergic system] Simionescu S, et al. **Physiologie** 12(3):185–91, 1975 **(Fre)**

[Effects of alpha-methyldopa and its metabolites on adrenergic vasoregulator centers. In vitro study] Cohen Y, et al. **Therapie** 31(2):195–203, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Effect of acebutolol (M and B 17803, R 21823) on central sympathetic structures] Daskalopoulos NT, et al. **Therapie** 30(6):843–54, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[The efferent sympathetic activity of the rabbit renal nerve during local application of adrenaline to the carotid sinus] Kalkoff W, et al. **Acta Biol Med Ger** 34(5):837–42, 1975 (Eng. Abstr.) **(Ger)**

[The effects of combining halothane and neuroleptanalgesia on the preganglionic sympathetic activity, the respiratory centre and the circulation (author's transl)] Tauberger G, et al. **Anaesthesist** 24(11):491–5, Nov 75 (Eng. Abstr.) **(Ger)**

[The effects of neuroleptanalgesia on the sympathetic activity and the circulation in animals (author's transl)] Tauberger G, et al. **Anaesthesist** 24(11):496–9, Nov 75 (Eng. Abstr.) **(Ger)**

[On a biochemical model of neurogenic sialosis: studies in rats (author's transl)] Arglebe C, et al. **Laryngol Rhinol Otol (Stuttg)** 54(7):542–50, Jul 75 (Eng. Abstr.) **(Ger)**

[Effect of dihydroergotamine (dihydergot) on blood circulation changes and on the function of sympathetic nervous system in orthostasis] Lohmann FW, et al. **Med Welt** 26(31–32):1416–20, 8 Aug 75 **(Ger)**

[Neural influences on the renal secretion of renin: effects of phenoxybenzamine and propranolol] Stella A, et al. **Boll Soc Ital Cardiol** 18(11):1178–83, 1973 **(Ita)**

[Proceedings: Effect of cocaine on a vas deferens–hypogastric nerve preparation of the guinea pig] Hashiguchi T, et al. **J Physiol Soc Jpn** 36(8–9):321, 1 Sep 74 **(Jpn)**

[Proceedings: Effects of antagonist on the inhibitory effects of prostaglandin on sympathetic nerve conduction] Sakanobori M, et al. **Jpn Arch Intern Med** 11(4):199–200, Dec 75 **(Jpn)**

[Use of reserpine in myocardial contraction studies] Spadaro J. **Arq Bras Cardiol** 28(5):569–75, Oct 75 (67 ref.) (Eng. Abstr.) **(Por)**

[Effect of carbidine on the process of adrenergic neurotransmission] Arefolov VA, et al. **Biull Eksp Biol Med** 79(6):66–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of nonakhlazin on adrenergic neurotransmission in the vas deferens of rats] Arefolov VA, et al. **Biull Eksp Biol Med** 80(9):50–3, Sep 75 (Eng. Abstr.) **(Rus)**

[Adrenergic component in the mechanism of action of sodium oxybutyrate] Arefolov VA, et al. **Biull Eksp Biol Med** 80(12):36–8, Dec 75 (Eng. Abstr.) **(Rus)**

[State of the cholinergic mediation and sympathico-adrenal system in patients with the initial manifestations of chronic lead poisoning] Makotchenko VM, et al. **Gig Tr Prof Zabol** (2):47–9, Feb 76 **(Rus)**

[Content of 5-hydroxytryptamine in brain, blood and stomach tissue in rats of different age with sympathectomy induced by guanetidine (author's transl)] Kohút A, et al. **Bratisl Lek Listy** 64(1):76–80, Jul 75 (Eng. Abstr.) **(Slo)**

[Corticosteroids in high doses and sympathetic adrenergic response] Arroyo Carreras FL, et al. **Rev Med Univ Navarra** 18(1–2):77–89, Mar–Jun 74 (Eng. Abstr.) **(Spa)**

[Sympathomimetic effects of Lactrodectus poison] Dagrosa EE, et al. **Rev Soc Argent Biol** 48–49(1–8):16–23, Apr 72–Nov 73 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Proceedings: The role of dopamine-beta-hydroxylase as an indicator of the sympathetic nerve tonus. Ryšánek K, et al. **Act Nerv Super (Praha)** 17(4):256–7, 1975

Effects of denervations on the acetylcholinesterase-containing and fluorescent nerves of the rat iris. Huhtala A, et al. **Acta Ophthalmol (Kbh)** 54(1):85–98, Feb 76

Serum dopamine-beta-hydroxylase as an indicator of sympathetic activity and primary hypertension. Schanberg SM, et al. **Biochem Pharmacol** 25(6):617–21, 15 Mar 76 (61 ref.)

Ortho- and retrograde trophic effects on adrenergic neurons: regulation of enzyme synthesis by the activity of preganglionic fibers and retrograde axonal transport of nerve growth factor. pp. 229–45. Thoenen H, et al. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.** (68 ref.)

Demonstration of acetylcholinesterase in the adrenergic nerves of the renal glomerular arterioles. Barajas L, et al. **J Ultrastruct Res** 53(2):244–53, Nov 75

The effect of constant light and chemical sympathectomy on the development of serotonin, n-acetyltransferase and monoamine oxidase activities in the rat epiphyses. Illnerova H. **Physiol Bohemoslov** 24(6):493–500, 1975

GROWTH & DEVELOPMENT

Effects of postnatal reserpine administration on sympatho-adrenal development in the rat. Bartolomé J, et al. **Biochem Pharmacol** 25(13):1513–9, 1 Jul 76

Trans-synaptic regulation of the development of end organ innervation by sympathetic neurons. Black IB, et al. **Brain Res** 101(3):503–21, 23 Jan 76

The interaction of nerve growth factor and trans-synaptic regulation in the development of target organ innervation by sympathetic neurons. Black IB, et al. **Brain Res** 108(1):199–204, 21 May 76

Developmental reorientation of sympathetic preganglionic neurons in the rat. Schramm LP, et al. **Brain Res** 106(1):166–71, 16 Apr 76

The development of sympathetic innervation and the functional state of the cardiovascular system in newborn dogs. Gauthier P, et al. **Can J Physiol Pharmacol** 53(5):763–76, Oct 75

The development of the adrenergic innervation of the renal vessels. p. 157. Fourman J. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Experimental necrosis and arrest of proliferation of Schwann cells by cytosine arabinoside. Aguayo AJ, et al. **J Neurocytol** 4(6):663–74, Dec 75

Neonatal neuronal loss in rat superior cervical ganglia: retrograde effects on developing preganglionic axons and Schwann cells. Aguayo AJ, et al. **J Neurocytol** 5(2):137–55, Apr 76

IMMUNOLOGY

[Sympathico-adrenal system activity in a primary immune response] Vasina IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):88–92, Sep 75 (Eng. Abstr.) **(Rus)**

INJURIES

Schwann cell multiplication after crush injury of unmyelinated fibers. Romine JS, et al. **Arch Neurol** 33(1):49–54, Jan 76

[Damage of the cervical part of the sympathetic trunk following surgery on the thyroid gland] Noczyński L, et al. **Pol Przegl Chir** 48(7):883–7, Jul 76 (Eng. Abstr.) **(Pol)**

METABOLISM

Phenylethanolamine-N-methyl transferase (PNMT) activity and catecholamine content in chromaffin tissue and sympathetic neurons in the cod, Gadus morhua. Abrahamsson T, et al. **Acta Physiol Scand** 96(1):94–9, Jan 76

Active transport of 3H-bretylium in the rat vas deferens in vitro. Ross SB, et al. **Acta Physiol Scand** 97(2):209–21, Jun 76

[Letter: The importance of adrenergic neuronal uptake in termination of action; another view. Response to i. s. de la lande] Kalsner S. **Blood Vessels** 12(5):316–22, 1975

Proceedings: Mechanism of K+-induced release of cytoplasmic noradrenaline from adrenergic nerves. Paton DM. **Br J Pharmacol** 55(2):247P, Oct 75

Quantitative differences between sympathetic nerve terminals. Fillenz M, et al. **Brain Res** 109(3):443–54, 18 Jun 76

Inhibition by ethanol of noradrenaline output from peripheral sympathetic nerves: possible interaction of ethanol with neuronal receptors. Göthert M, et al. **Eur J Pharmacol** 37(2):321–8, Jun 76

Influence of inhalation anaesthetics on sympathoadrenal catecholamine release: comparison of enflurane (Ethrane) and halothane. pp. 221–4. Göthert M. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Trans-synaptic regulation of the synthesis of specific neuronal proteins. Thoenen H. **J Neural Transm** Suppl 12:127–36, 1975

Temperature-dependence of rapid axonal transport in sympathetic nerves of the rabbit. Cosens B, et al. **J Neurobiol** 7(4):339–54, Jul 76

Effect of adrenergic neuron blocking agents and biguanides on the efflux of extragranular noradrenaline from adrenergic nerves in rabbit atria. Paton DM. **J Pharm Pharmacol** 28(7):582–3, Jul 76

Distribution and properties of adrenergic storage vesicles in nerve terminals. Nelson DL, et al. **J Pharmacol Exp Ther** 196(2):346–59, Feb 76

Differential effects of nerve impulses on adrenergic storage vesicles in rat heart. Nelson DL, et al. **J Pharmacol Exp Ther** 198(1):112–22, Jul 76

The effect of central nervous system narcosis on the sympathetic response to stress. Taylor JW, et al. **J Surg Res** 20(4):313–20, Apr 76

Recovery of dopamine in peripheral adrenergic nerves after reserpine treatment. Almgren O, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):133–6, 25 Feb 76

On the formation of adrenergic amine storage granules as measured by reserpine labeling. Giachetti A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(4):345–54, 1975

Inhibition of receptor-mediated noradrenaline release from the sympathetic nerves of the isolated rabbit heart by anaesthetics and alcohols in proportion to their hydrophobic property. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):145–52, 25 Feb 76

Stimulation of beta-adrenergic receptors in the pineal gland increases the noradrenaline stores of its sympathetic nerves. Jaim-Etcheverry G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(4):425–31, 15 Oct 75

On the mechanism of the accumulation of 3H-bretylium in peripheral sympathetic nerves. Ross SB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):283–93, 1975

Regulation of norepinephrine contents in cardiac sympathetic neuron during high impulse activity: alterations in monoamine oxidase activity. Bhagat BD. **Recent Adv Stud Cardiac Struct Metab** 3:343–56, 1973

Critique of single amine theories: evidence of a cholinergic influence in the major mental illnesses. Davis JM. **Res Publ Assoc Res Nerv Ment Dis** 54:333–46, 1975

[Mechanism of catecholamine release from the sympathetic nerve endings, particularly in its relation tovacetylcholine an experiment on the isolated vas deferens of rats] Ueba R. **Folia Pharmacol Jpn** 72(1):127–137, 1976 (Eng. Abstr.) **(Jpn)**

[Histochemical studies of adrenergic mechanisms in ocular tissues] Jabloński J. **Klin Oczna** 45(7):773–8, Jul 75 (Eng. Abstr.) **(Pol)**

[Reactions of the hormonal link of the sympatho-adrenal system to single exposure to an alternating magnetic field] Sakharova SA, et al. **Biol Nauki** (1):40–4, 1976 **(Rus)**

[Ability of adrenergic nerves to accumulate exogenous noradrenaline under some pharmacological influences] Arefolov VA, et al. **Farmakol Toksikol** 38(4):411–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Relationship between certain indicators of the activity of sympathico-adrenal and parasympathetic structures in different degree of exogenous hypoxia] Khitrov NK, et al. **Patol Fiziol Eksp Ter** (2):21–5, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effects of adrenalectomy and chemical sympathectomy on tissue catecholamine content following trauma] Vujnov S. **Zb Vojnomed Akad** :81–3, 1974 (Eng. Abstr.) **(Ser)**

PATHOLOGY

Three dimensional analysis of unmyelinated fibers in normal and pathologic autonomic nerves. Aguayo AJ, et al. **J Neuropathol Exp Neurol** 35(2):136–51, Mar 76

Granular cell myoblastoma arising from the thoracic sympathetic nerve chain. Rosenbloom PM, et al. **J Pediatr Surg** 10(5):819–22, Oct 75

On the sympathetic nature of some forms of Recklinghausen's disease: a study of six cases. Llombart A. **Trab Inst Cajal Invest Biol** 62:75–104, 1970 (Eng. Abstr.)

[Changes in the innervational connections of the urinary bladder upon experimental stimulation of the hypothalamus] Martynova LA. **Arkh Anat Gistol Embriol** 70(1):90–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Nervous mechanisms of emotional changes in cardiac activity] Obonyts'ka OV, et al. **Fiziol Zh** 22(1):65–71, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Electrostimulation and morphologic study of the nerves to the bone marrow of the albino rat. DePace DM, et al. **Acta Anat (Basel)** 93(1):1–18, 1975

Neural influence on canine renal prostaglandin secretion. Mancia G, et al. **Acta Physiol Lat Am** 24(5):555–62, 1974

Experimental studies on osmotic mechanisms and vegetative regulations of intraocular hydrodynamics as well as the distribution of elecrolytes and amino-acids in refractive environments of the eye. Bernat R. **Acta Physiol Pol** 27(1):73–89, Jan–Feb 76

The effect of stimulation of carotid sinus chemoreceptors on the activity of the sympathetic cardiac nerve and vertebral nerve. Szulczyk P, et al. **Acta Physiol Pol** 26(5):441–50, Sep–Oct 75

The local effect of pH changes in the cerebrospinal fluid on the ventrolateral areas of medulla oblongata and on the spinal cord surface on the activity of cardiac and vertebral sympathetic nerves. Szulczyk P, et al. **Acta Physiol Pol** 27(1):9–17, Jan–Feb 76

Arterial pressure, cardiac output and systemic resistance before and after pithing in normotensive and spontaneously hypertensive rats. Albrecht I, et al. **Acta Physiol Scand** 94(3):378–85, Jul 75

N-acetyltransferase and hydroxyindole-O-methyltransferase activity in intraocular pineal transplants: diurnal thythm as evidence for functional sympathetic adrenergic innervation. Bäckström M, et al. **Acta Physiol Scand** 96(1):64–71, Jan 76

Sympathetic control of cerebral blood flow in acute arterial hypertension. Bill A, et al. **Acta Physiol Scand** 96(1):114–21, Jan 76

Stimulation of adrenergic nerve fibres to the urinary bladder of the rat. Elmér M. **Acta Physiol Scand** 94(4):517–21, Aug 75

Oxygen uptake and tissue oxygen tension during adrenergic stimulation in canine subcutaneous adipose tissue. Fredholm BB, et al. **Acta Physiol Scand** 97(1):48–59, Mar 76

Release of adenosine-like material from isolated perfused dog adipose tissue following sympathetic nerve stimulation and its inhibition by adrenergic alpha-receptor blockade. Fredholm BB. **Acta Physiol Scand** 96(3):122–30, Mar 76

Effect of sympathetic nerve stimulation on net transvascular movement of fluid in canine adipose tissue. Linde B. **Acta Physiol Scand** 97(2):166–74, Jun 76

Additive stimulating effects of inhibitor of prostaglandin synthesis and of beta-adrenoceptor agonist on sympathetic neuroeffector function in human omental blood vessels. Stjärne L, et al. **Acta Physiol Scand** 97(2):267–9, Jun 76

Blood flow changes in the submaxillary gland of the rat on parasympathetic and sympathetic nerve stimulation. Thulin A. **Acta Physiol Scand** 97(1):104–9, Mar 76

Motor and secretory effects of nerves on the parotid gland of rat. Thulin A. **Acta Physiol Scand** 96(4):506–11, Apr 76

Prostaglandin-mediated inhibition of noradrenaline release: its resistance to variations in rate of prostaglandine synthesis. Wennmalm A, et al. **Acta Physiol Scand** 97(1):60–5, Mar 76

Studies on the vascular exchange function in canine subcutaneous adipose tissue. Linde B. **Acta Physiol Scand [Suppl]** (433):1–43, 1976

Effects of brain gangliosides on functional recovery in experimental regeneration and reinnervation. Ceccarelli B, et al. **Adv Exp Med Biol** 71:275–93, 1976

A review: the agents and actions of sympathetic nerve and catecholamine inhibition of gastric mucosal function. Sanders DJ. **Agents Actions** 6(4):385–8, Jul 76 (36 ref.)

Spatial synchronization of the ongoing bioelectrical activity of the vegetative nerves and brain formations. Nikolov N, et al. **Agressologie** 15(7):415–21, 1974

Fluctuations in the vagal and sympathetic tone connected with the circadian cycle and the wakefulness-sleep cycle. Varbanova A, et al. **Agressologie** 16(1):27–33, 1975 (Eng. Abstr.)

Circadian changes in the ongoing bioelectrical activity of brain and vegetative nerves in chronic cats. Varbanova A, et al. **Agressologie** 16(1):19–25, 1975

Adrenergic effects of the QT interval of the electrocardiogram. Abildskov JA. **Am Heart J** 92(2):210–6, Aug 76

The effects of acetylstrophanthidin on the response of the AV junction to adrenergic stimulation studied in dogs. Porlier GA, et al. **Am Heart J** 91(4):475–83, Apr 76

Cardiovascular and electrophysiological responses to sympathetic pathway stimulation. Barman SM, et al. **Am J Physiol** 230(4):1095–1100, Apr 76

Reflex sympathetic tachycardia during intravenous infusions in chronic spinal cats. Bishop VS, et al. **Am J Physiol** 230(1):25–9, Jan 76

Modification of stimulated lacrimal gland flow by sympathetic nerve impulses in rabbit. Botelho SY, et al. **Am J Physiol** 230(1):80–4, Jan 76

Influence of sympathetic nerves on oxygen uptake or resting mammalian skeletal muscle, Durán WN, et al. **Am J Physiol** 231(2):529–37, Aug 76

Adaptation to fasting in baboon. II. Regulation of lipolysis early and late in fasting. Koerker DJ, et al. **Am J Physiol** 229(2):350–4, Aug 75

Sympathetic afferent nerve activity of right heart origin. Kostreva DR, et al. **Am J Physiol** 229(4):911–5, Oct 75

Sympathetic innervation of guinea pig uterus and ovary. Kulkarni PS, et al. **Am J Physiol** 230(5):1400–5, May 76

Reflex sympathetic changes in aortic diastolic pressure-diameter relationship. Pagani M, et al. **Am J Physiol** 229(2):286–90, Aug 75

Sympathetic nervous control of cat ileocecal sphincter. Pahlin PE, et al. **Am J Physiol** 231(2):296–305, Aug 76

Secretion of K and fluid by rat submaxillary during sympathetic nerve stimulation. Schneyer LH. **Am J Physiol** 229(4):1056–61, Oct 75

Sympathetic control of Na, K transport in perfused submaxillary main duct of rat. Schneyer LH. **Am J Physiol** 230(2):341–5, Feb 76

Tachypnea after stimulation of afferent cardiac sympathetic nerve fibers. Uchida Y. **Am J Physiol** 230(4):1003–7, Apr 76

Adrenergic mechanisms in canine gastric circulation. Zinner MJ, et al. **Am J Physiol** 229(4):977–82, Oct 75

A mathematical model of the sympathetic-heart period system in the cat. Chess GF, et al. **Ann Biomed Eng** 3(2):189–98, Jun 75

Effect of amantadine on blood pressure responses induced by vagal and sympathetic stimulation. Dhasmana KM. **Arch Int Pharmacodyn Ther** 217(2):276–9, Oct 75

Effects of some dopamine analogs and haloperidol on response to stimulation of adrenergic nerves using cat atria in vitro. Ilhan M, et al. **Arch Int Pharmacodyn Ther** 219(2):193–204, Feb 76

Cholinergic inhibition of adrenergic neurotransmission in dogs' gastric arteries. Van Hee R, et al. **Arch Int Pharmacodyn Ther** 220(2):348, Apr 76

Proceedings: Effects of local cooling on adrenergic neurotransmission in the dog's cutaneous vein. Vanhoutte PM, et al. **Arch Int Pharmacodyn Ther** 215(2):350, Jun 75

Interaction between sympathetic and parasympathetic salivary nerves in anaesthetized dogs. Emmelin N, et al. **Arch Oral Biol** 21(1):27–32, 1976

Potentiation by cocaine of relaxations of the guinea-pig colon caused by noradrenaline and by stimulation of adrenergic nerves. Costa M, et al. **Aust J Exp Biol Med Sci** 53(3):223–32, Jun 75

Some evidence for the maturity of peripheral adrenergic nerves in new-born guinea-pigs. O'Donnell SR, et al. **Aust J Exp Biol Med Sci** 53(3):215–22, Jun 75

Non-homogeneous flow response to sympathetic stimulation in microvessels of cat omentum. Intaglietta M, et al. **Bibl Anat** 13:161–2, 1975

Sympathetic control of transcapillary transport in canine adipose tissue. Rosell S. **Bibl Anat** 13:28–31, 1975

Pulmonary patterns of adenosine-3', 5'-cyclic monophosphate accumulations in response to adrenergic or histamine stimulation in Bordetella pertussis-sensitized mice. Krzanowski JJ, et al. **Biochem Pharmacol** 25(14):1631–7, 15 Jul 76

Effects of adrenergic drugs administered during ovum transport and chemical sympathectomy of the oviduct on fertility in rabbits. Hodgson BJ, et al. **Biol Reprod** 13(2):142–6, Sep 75

Changes in the contractile response of arteires and veins from hypertensive rabbits to sympathetic nerve activity: assessment of some postsynaptic influences. Bevan JA, et al. **Blood Vessels** 13(3):167–80, 1976

Evidence for noradrenaline and adrenaline as sympathetic transmitters in the chicken. DeSantis VP, et al. **Br J Pharmacol** 55(3):343–50, Nov 75

Proceedings: Sympathetic nerve recording in the conscious rabbit. Haeusler G, et al. **Br J Pharmacol** 56(3):386P–387P, Mar 76

Innervation both of peri-orbital structures and of the heart by the cervical sympathetic nerves in mouse, rat, guinea-pig, rabbit and cat. Large BJ. **Br J Pharmacol** 54(3):351–8, Jul 75

Nervous activity of afferent sympathetic fibers innervating the pulmonary veins. Lombardi F, et al. **Brain Res** 113(1):197–200, 20 AUG 76

Regeneration of sympathetic neurons: effect of decentralization. Mytilineou C, et al. **Brain Res** 109(2):382–6, 11 Jun 76

A method for recording autonomic nerve activity in unanesthetized, freely moving cats. Schad H, et al. **Brain Res** 100(2):425–30, 19 Dec 75

Descending spinal sympathetic pathway utilized by somato-sympathetic reflex and carotid chemoreflex. Szulczyk P. **Brain Res** 112(1):190–3, 6 Aug 76

Histofluorescence observations on the sympathetic nervous system after removal of the salivary glands in adult mice. Wiklund L, et al. **Brain Res** 96(1):161–8, 10 Oct 75

Unmasking of sympathetic vasoconstruction of the coronary vessels after acute administration of reserpine to dogs. Szentiványi M, et al. **Can J Physiol Pharmacol** 54(2):166–9, Apr 76

Trophic influences of sympathetic nerves and cyclic AMP on differentiation and proliferation of isolated smooth muscle cells in culture. Chamley JH, et al. **Cell Tissue Res** 161(4):497–510, 27 Aug 75

Effects of heterologous cross-suture between the postganglionic sympathetic and the preganglionic parasympathetic nerve trunks of submandibular glands in cats. Kemplay SK, et al. **Cell Tissue Res** 167(2):197–210, 16 Mar 76

Evidence for a physiological role of renal sympathetic nerves in adrenergic stimulation of renin release in the rat. Aoi W, et al. **Circ Res** 38(2) Feb 76

Effects of cardiac sympathetic stimulation and ablation of canine ventricular anodal strength-interval curves. Burgess MJ, et al. **Circ Res** 39(3):429–33, Sep 76

Effect of vagal stimulation on the overflow of norepinephrine into the coronary sinus during cardiac sympathetic nerve stimulation in the dog. Levy MN, et al. **Circ Res** 38(2):81–4, Feb 76

The effect of the pattern of cardiac sympathetic activity on myocardial contractile force and norepinephrine overflow in the dog heart. Levy MN, et al. **Circ Res** 39(3):341–8, Sep 76

Facilitation of adrenergic transmission by locally generated angiotensin II in rat mesenteric arteries. Malik KU, et al. **Circ Res** 38(1):26–30, Jan 76

Modification by prostaglandins E1 and E2, indomethacin, and arachidonic acid of the vasoconstrictor responses of the isolated perfused rabbit and rat mesenteric arteries to adrenergic stimuli. Malik KU, et al. **Circ Res** 39(2):163–8, Aug 76

Serum dopamine beta-hydroxylase as an index of sympathetic nervous system activity in man. Noth RH, et al. **Circ Res** 38(1):1–5, Jan 76

The effect of vagus nerve stimulation upon vulnerability of the canine ventricle: role of sympathetic-parasympathetic interactions. Kolman BS, et al. **Circulation** 52(4):578–85, Oct 75

Muscarinic effects of vagosympathetic trunk stimulation on the repetitive extrasystole (RE) threshold. Rabinowitz SH, et al. **Circulation** 53(4):622–7, Apr 76

Blood pressure and hindlimb perfusion pressure following chronic sympathectomy of genetically hypertensive and normotensive rats. Clark DW, et al. **Clin Exp Pharmacol Physiol** Suppl 2:153–7, 1975

Interactions between the hydrogen ion concentration and vasoconstrictor responses to catecholamines and sympathetic nerve stimulation. Dusting GJ, et al. **Clin Exp Pharmacol Physiol** Suppl 2:43–8, 1975 (31 ref.)

Inhibitory feedback modulation of adrenergic transmission. Rand MJ, et al. **Clin Exp Pharmacol Physiol** Suppl 2:21–6, 1975 (30 ref.)

Ortho- and retrograde axonal transport: importance for the function of adrenergic neurones. Thoenen H, et al. **Clin Exp Pharmacol Physiol** Suppl 2:1–5, 1975 (25 ref.)

Effects of beta-adrenoreceptor blocking drugs on adrenergic transmission. Rand M, et al. **Drugs** 11 SUPPL 1:134–43, 1976

Acute blood biochemical alterations in response to marathon running. Maron MB, et al. **Eur J Appl Physiol** 34(3):173–81, 15 Aug 75

Studies on the site of action of clonidine utilizing a sympathetic-cholinergic system. Koss MC. **Eur J Pharmacol** 37(2):381–4, Jun 76

Influence of sympathetic nerves on development of responsiveness of the chick smooth muscle to drugs. Kuromi H, et al. **Eur J Pharmacol** 36(1):55–9, Mar 76

Effect of propranolol of vascular responses to sympathetic nerve stimulation and plasma renin activity in mongrel dogs. Lokhandwala MF, et al. **Eur J Pharmacol** 38(1):141–7, Jul 76

Differential effect of baroreceptor reflexes and clonidine on frequency components of sympathetic discharge. McCall RB, et al. **Eur J Pharmacol** 36(1):69–78, Mar 76

Efferent fibers in the cervical sympathetic nerve influenced by light. Passatore M, et al. **Exp Neurol** 52(1):66–82, Jul 76

Contraction of myoepithelial cells in secreting submandibular glands of dogs. Emmelin N, et al. **Experientia** 32(2):197–8, 15 Feb 76

Spontaneous thermoregulatory oscillations in cutaneous efferent sympathetic activity. Iriki M, et al. **Experientia** 32(7):879–80, 1976

Effect of chemical sympathectomy, adrenalectomy and adrenergic alpha- and beta-blocking agents on the development of hyperglycemia induced by streptozotocin in the rat. Kaul CL, et al. **Experientia** 32(8):1072–3, 15 Aug 76

Carotid chemoreceptor influence on the cardiac sympathetic nerve discharge. Montarolo PG, et al. **Experientia** 32(4):480–1, 15 Apr 76

Neural control of heart rate: a conciliation of models. Katona PG, et al. **IEEE Trans Biomed Eng** 23(2):164–6, Mar 76

Regulation of the development of target organ innervation by adrenergic neurons. pp. 111–7. Black IB. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.**

Role of the peripheral sympathetic nervous system in modulating gonadal steroid effects on the female genital tract. pp. 268–75. Josner JM, et al. **In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.**

The ability to influence the pial arterial tone by the sympathetic nervous system. pp. 129–34. Kuschinsky W, et al. **In: Cervós-Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.**

Evaluation of the role of the renin-angiotensin (RAS) and adrenergic systems (AS) and of divalent cations in tubulo-glomerular feedback. p. 192. Schnermann J, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Role of sympathoadrenal stimulation in the release of plasminogen activator. pp. 111–9. Britton BJ, et al. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

The control of blood pressure by central adrenergic neurones. pp. 166–78. Finch L, et al. **In: Davies DS, Reid JL, ed. Central action of drugs in blood pressure regulation. Tunbridge Wells, Pitman Medical, 1975. QV 120 I61c 1975.** (38 ref.)

Central adrenergic mechanisms. pp. 24–35. Iversen LL. **In: Davies DS, Reid JL, ed. Central action of drugs in blood pressure regulation. Tunbridge Wells, Pitman Medical, 1975. QV 120 I61c 1975.** (35 ref.)

Compensatory mechanisms following peripheral chemical sympathectomy. pp. 231–8. de Champlain J, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.**

Neural control of renin release. pp. 186–204. Richardson DW, et al. **In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.**

The organization and functions of the central sympathetic nervous system. pp. 93–122. Sigg EB. **In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975.** (187 ref.)

Regulation of renin by the central nervous system. Discussion. pp. 275–80.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Role of the sympathetic nervous system and central alpha- and beta-adrenergic receptors in regulation of renin secretion. pp. 261–73. Ganong WF, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r. (47 ref.)

Central adrenergic neurons in experimental hypertension. pp. 53–64. Haeusler G.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Cardiovascular effects of angiotensin II mediated by the central nervous system. pp. 203–12. Severs WB.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r. (56 ref.)

Are there two types of beta-receptors mediating the same adrenergic response? pp. 305–9. Carlsson E, et al.
In: Saxena PR, Forsyth RP, ed. Beta-adrenoceptor blocking agents. Amsterdam, North-Holland, 1976. QV 132 1604b 1975. (6 ref.)

Adrenergic control of femoral blood flow. pp. 145–60. Reynolds DG, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

The sympatho-adrenal system and hemorrhagic shock. pp. 475–82. Avakian OM, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Control of smooth muscle activity in vessels by adrenergic nerves and circulating catecholamines. pp. 251–64. Burnstock G.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975. (71 ref.)

Effects of potassium ions on nerve endings and effector cells in adrenergically innervated vascular smooth muscle. pp. 425–41. Vanhoutte PM, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM® 1976. WE 500 S668 1975.

Autonomic response specificity and extraversion. Small CS. **J Clin Psychol** 32(3):537–8, Jul 76

Gonadotrophin- and prolactin-induced increase of rat pineal hydroxyindole-O-methyl transferase: involvement of the sympathetic nervous system. Cardinali DP, et al. **J Endocrinol** 68(02):341–2, Feb 76

Proceedings: Milk ejection in the rat: reversible blockade of hypothalamo-neurohypophysial and sympathetico-adrenal pathways of radio-frequency currents. Wakerley JB, et al. **J Endocrinol** 67(2):31P–32P, Nov 75

Regulation mechanisms of central and peripheral sympathetic neurons. Hertting G, et al. **J Neural Transm** Suppl 12:115–26, 1975

The ultrastructure of the rabbit pineal gland after sympathectomy, parasympathectomy, continuous illumination, and continuous darkness Romijn HJ. **J Neural Transm** 36(3–4):183–94, 1975

Formation of a functional adrenergic input to intraocular cerebellar grafts: ingrowth of inhibitory sympathetic fibers. Hoffer B, et al. **J Neurobiol** 6(6):565–85, Nov 75

The discovery of uptake of adrenaline in 1930–1933 and the development of the adrenergic fibre from a cholinergic fibre. Burn JH. **J Pharm Pharmacol** 28(4 SUPPL):342–7, Apr 76

The effect of propranolol on sympathetic nerve stimulation in isolated vasa deferentia. Hughes IE, et al. **J Pharm Pharmacol** 28(3):200–5, Mar 76

The effects of electrical stimulation of the autonomic nerves and of drugs on the size of salivary glands and their rate of cell division. Muir TC, et al. **J Pharmacol Exp Ther** 195(2):372–81, Nov 75

Proceedings: Multi-terminal afferent fibres from the thoracic viscera in sympathetic rami communicantes of cats and dogs. Banzett RB, et al. **J Physiol (Lond)** 254(1):57P–58P, Jan 76

Autonomic nerve stimulation, kallikrein content anc acinar cell granules of the cat's submandibular gland. Barton S, et al. **J Physiol (Lond)** 251(2):363–9, Oct 75

The effect of sympathetic nerve stimulation on serum gastrin, gastric acid secretion and mucosal blood flow responses to meat extract stimulation in anaesthetized cats. Blair EL, et al. **J Physiol (Lond)** 253(2):493–504, Dec 75

Proceedings: Enhanced pressor response to noradrenaline in human subjects with chronic sympathetic decentralization. Christensen NJ, et al. **J Physiol (Lond)** 252(2):39P–40P, Nov 75

Proceedings: A role for a descending sympatho-inhibitory pathway in the ventral part of the spinal cord. Coote JH, et al. **J Physiol (Lond)** 252(2):21P–22P, Nov 75

Reflex activation of sympathetic pathways to vesical smooth muscle and parasympathetic ganglia by electrical stimulation of vesical afferents. de Groat WC, et al. **J Physiol (Lond)** 259(1):223–37, Jul 76

Proceedings: Changes in submandibular striated ducts of cats after nerve stimulation or denervation. Garrett JR, et al. **J Physiol (Lond)** 252(2):56P–58P, Nov 75

Proceedings: Effects of cross-suturing the submandibular sympathetic trunk to the chorda in cats. Garrett JR, et al. **J Physiol (Lond)** 254(1):25P–26P, Jan 76

Proceedings: The sympathetic contribution to increase in heart rate evoked by cutaneous nerve stimulation in the dog. Kumagai Y, et al. **J Physiol (Lond)** 252(2):36P–37P, Nov 75

The role of cyclic 3',5'-adenosine monophosphate (cyclic AMP) in the ability of sympathetic nerve stimulation to enhance growth and secretion in rat salivary glands in vivo. Muir TC, et al. **J Physiol (Lond)** 259(1):47–61, Jul 76

Proceedings: Afferent sympathetic nerve fibres with aortic endings. Pagani M. **J Physiol (Lond)** 252(2):45P–46P, Nov 75

Proceedings: The role of sympathetic nerves in nasal secretion in the cat. Wilson H, et al. **J Physiol (Lond)** 258(2):51P–52P, Jun 76

Proceedings: Generation of excitatory postsynaptic potentials in the sympathetic cells in bullfrogs. Hisaba K, et al. **J Physiol Soc Jpn** 36(8–9):291–2, 1 Sep 74

Sympathetic influence on ventricular compliance. Coleman B, et al. **Jpn Heart J** 17(2):222–32, Mar 76

Excitation of afferent cardiac sympathetic nerve fibers induced by vagal stimulation. Uchida Y, et al. **Jpn Heart J** 16(5):548–63, Sep 75

Sustained decreased in coronary blood flow and excitation of cardiac sensory fibers following sympathetic stimulation. Uchida Y, et al. **Jpn Heart J** 16(3):265–79, May 75

Vasospasm and adrenergic innervation of circle of Willis. Odake G, et al. **Jpn J Surg** 4(4):222–30, Dec 74

Effects of intracardiac pressure changes on efferent discharges of the cardiac sympathetic nerve in the cat. Nishi K, et al. **Kumamoto Med J** 28(4):176–86, 31 Dec 75

Studies on the functional significance of adrenergic nerve in the isolated dog ureter. Ueno F. **Kumamoto Med J** 29(1):35–43, 31 Mar 76

Sympathetic nervous system effects on rat brain metabolism. Hunter J, et al. **Life Sci** 17(9):1381–6, 1 Nov 75

Use of plasma norepinephrine for evaluation of sympathetic neuronal function in man. Lake CR, et al. **Life Sci** 18(11):1315–25, 1 Jun 76

Effect of hepatic nerve stimulation on hepatic uptake of lidocaine in the cat. Lautt WW, et al. **Life Sci** 19(3):433–6, 1 Aug 76

The effects of neonatal 6-hydroxydopamine induced sympathectomy on response inhibition in extinction. Thronton EW, et al. **Life Sci** 17(3):363–8, 1 Aug 75

On modelling the function of sympathetic ventricular augumentor fibres. Greene ME, et al. **Med Biol Eng** 12(5):664–74, Sep 74

The responses of the left ventricle to left sympathetic burst-like stimulation. Greene ME, et al. **Med Biol Eng** 13(5):706–13, Sep 75

Lack of central autonomic regulation of substrate during early fasting in man. Brodows RG, et al. **Metabolism** 25(7):803–7, JUL 76

Persistent innervation of mammalian sympathetic neurones by native and foreign fibres. Purves D. **Nature** 256(5518):589–90, 14 Aug 75

Clonidine antinociceptive activity: effects of drugs influencing central monoaminergic and cholinergic mechanisms in the rat. Paalzow G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):119–26, 25 Feb 76

Tyrosine hydroxylase: allosteric activation induced by stimulation of central noradrenergic neurons. Roth RH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):327–43, 30 Jul 75

Selectivity for catecholamines of presynaptic alpha-receptors involved in feedback control of sympathetic neurotransmitter secretion in guinea-pig vas deferens. Stjärne L. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):296–303, 1975

Pre- and post-junctional receptor-mediated cholinergic interactions with adrenergic transmission in guinea-pig vas deferens. Stjärne L. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):305–10, 1975

Inhibition of adrenergic neurotransmission by prostaglandin E1 (PGE1) in the rabbit ear artery. Hadházy P, et al. **Neuropharmacology** 15(4):245–50, Apr 76

Patterns of differentiation in various sympathetic efferents induced by hypoxic and by central thermal stimulation in decerebrated rabbits. Iriki M, et al. **Pfluegers Arch** 362(2):101–8, 30 Mar 76

Some properties of sympathetic neuron inhibition by depressor area and intraspinal stimulation. Kirchner F, et al. **Pfluegers Arch** 357(3–4):349–60, 26 Jun 75

Reduction of renal nerve activity by volume expansion in conscious cats. Schad H, et al. **Pfluegers Arch** 363(2):155–9, 12 May 76

The effect of carotid sinus nerve stimulation on muscle and skin nerve sympathetic activity in man. Wallin BG, et al. **Pfluegers Arch** 358(2):101–10, 21 Jul 75

Cafeteria behavior in the rat after hypothalamic cholinergic and adrenergic stimulation. Montgomery RB, et al. **Pharmacol Biochem Behav** 3(4):709–11, Jul-Aug 75

Studies on the nature of the vasodilator fibers running in the lumbar sympathetic chain of the dog. Rengo F, et al. **Pharmacology** 13(6):539–48, 1975

Effects of visceral sympathectomy on 2-deoxy-d-glucose induced eating. Schneider K, et al. **Physiol Behav** 16(1):55–8, Jan 76

Hypergravitation and sympatho-adrenergic reactivity. Groza P, et al. **Physiologie** 12(1):9–14, 1975

The role of the sympathoadrenergic reaction in adaptation of the organism to the action of + 6 Gz acceleration. Groza P, et al. **Physiologie** 13(1):9–18, Jan-Mar 76

On some correlations between adrenergic and serotoninergic mechanisms of convulsive-seizure reactivity. Roussinov KS, et al. **Pol J Pharmacol Pharm** 27(Suppl):231–5, Oct 75

Possible peripheral adrenergic and central dopaminergic influences in memory consolidation. Gozzani JL, et al. **Psychopharmacol Bull** 49(1):109–11, 26 Aug 76

Secretory responses to sympathetic stimulation of the cat's salivary glands in a state of resting secretion. Emmelin N, et al. **Q J Exp Physiol** 60(4):325–32, Oct 75

Mechanisms of autonomic control of carotid chemoreceptor activity. McCloskey DI. **Respir Physiol** 25(1):53–61, Oct 75

The effect of physical training on the sympathoadrenal response to exercise. Brundin T, et al. **Scand J Clin Lab Invest** 35(6):525–30, Oct 75

Sympathetic innervation of cerebral arteries: prejunctional supersensitivity to norepinephrine after sympathectomy or cocaine treatment. Edvinsson L, et al. **Stroke** 6(5):525–30, Sep-Oct 75

Determinants of response of pial arteries to norepinephrine and sympathetic nerve stimulation. Wei EP, et al. **Stroke** 6(6):654–8, Nov-Dec 75

Role of alpha-adrenergic receptor mechanism in closure of the internal urethral orifice during ejaculation. Kimura Y, et al. **Urol Int** 30(5):341–9, 1975

The effect of acute chemical sympathectomy on the competence of the canine ureterovesical junction. Wein AJ, et al. **Urol Res** 3(2):95–7, 8 Aug 75

Adrenergic innervation and stimulation of canine urethra. Benson GS, et al. **Urology** 7(3):337–40, Mar 76

[Adrenosympathetic system and thermoregulation in a prosimian Perodicticus potto] Canguilhem B, et al. **C R Soc Biol (Paris)** 169(3):695–700, 1975 (Eng. Abstr.) **(Fre)**

[Effect of changes in sympathetic vasomotor tonus on vasodilatatory effect of catecholamines] Wassermann D, et al. **C R Soc Biol (Paris)** 169(5):1172–6, 1975 (Eng. Abstr.) **(Fre)**

[Control of the liberation of mediators at adrenergic nerve endings] Bacq ZM. **J Physiol (Paris)** 72(4):371–473, 1976 (393 ref.) **(Fre)**

[The adrenergic system] Lemaire P. **Lille Med** 20(6):524–8, Jun-Jul 75 **(Fre)**

[Neuroaminergic control of anterior pituitary secretions] Mornex R. **Pathol Biol (Paris)** 24(1):5–7, Jan 76 **(Fre)**

[The inhibition of efferent sympathetic activity by means of pressure stimulation of the carotid sinus pressoreceptors] Brattström A, et al. **Acta Biol Med Ger** 34(5):843–7, 1975 (Eng. Abstr.) **(Ger)**

[Beta-adrenergic regulation of gastrin secretion] Ferraù O, et al. **Boll Soc Ital Biol Sper** 51(8):466–71, 15 Apr 75 **(Ita)**

[On the mechanism of hypothalamic adrenergic mediation. Histochemical research] Pasqualino A, et al. **Boll Soc Ital Biol Sper** 51(6):356–9, 30 Mar 75 **(Ita)**

[Cardio-cardiac sympathico-vagal reflex] Schwartz PJ, et al. **Boll Soc Ital Cardiol** 17(12):1257–63, 1972 (Eng. Abstr.) **(Ita)**

[Electric change of the wave T: clinical and experimental evidence of its relation to the sympathetic nervous system] Schwartz PJ, et al. **Boll Soc Ital Cardiol** 18(9):827–34, 1973 **(Ita)**

[Neural regulation of bronchial smooth muscle] Petraglia A. **Minerva Med** 66(58):2903–7, 8 Sep 75 (Eng. Abstr.) **(Ita)**

[Studies of the relationship between renin secretion and the sympathetic nervous system responsiveness in man (author's transl)] Kunita H, et al. **Folia Endocrinol Jpn** 51(8):635–43, 20 Aug 75 (Eng. Abstr.) **(Jpn)**

[Physiological role of prostaglandins in adrenergic and non-adrenergic inhibitory neurotransmission in guinea pig taenia coli] Sakato M. **Folia Pharmacol Jpn** 71(5):445–55, Jul 75 (Eng. Abstr.) **(Jpn)**

[Dopamine-beta-hydroxylast and the function of the nervous system] Okada F. **Hokkaido J Med Sci** 50(3):342–3, May 75 **(Jpn)**

[Adrenergic control of blood sugar level--in vivo studies on the mechanism of metabolic regulations (author's transl)] Ui M. **J Jpn Biochem Soc** 47(9):779–807, 25 Sep 75 (48 ref.) **(Jpn)**

[Proceedings: Reflex of the stomach elicited by the skin] Kaseda M, et al. **J Physiol Soc Jpn** 36(8–9):290–1, 1 Sep 74 **(Jpn)**

[Proceedings: Afferent sympathetic nerve fibers with receptor areas in the right heart] Uchida Y, et al. **J Physiol Soc Jpn** 36(8–9):385, 1 Sep 74 **(Jpn)**

[Proceedings: Hyperglycemia in the early phase of alloxan administration and sympathetic nerve interruption] Yasumitsu C, et al. **J Physiol Soc Jpn** 36(8–9):406, 1 Sep 74 **(Jpn)**

[Function test of adrenal medulla and sympathetic nerve system in the human fetus (author's transl)] Nakai T, et al. **Jpn J Clin Pathol** 24(3):225–8, Mar 76 **(Jpn)**

[Dynamic and pharmacologic urethral pressure profile study: significance of alpha-adrenergic role in the urethra (author's transl)] Koyanagi T. **Jpn J Urol** 66(10):632–55, Oct 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the effect of the sympathetic nervous system on the retinogram in rabbits] Palacz O. **Klin Oczna** 45(7):761–4, Jul 75 **(Pol)**

[Role of sympathetic nervous system in the mechanism of

contraceptive action of intrauterine device] Poskalenko AN, et al. **Akush Ginekol (Mosk)** (2):62–3, Feb 76 **(Rus)**

[Large cell neurosecretory nuclei of the anterior hypothalamus of mice following exposure to antibodies to nerve growth factor] Volkova OV, et al. **Arkh Patol** 37(9):37–42, 1975 (Eng. Abstr.) **(Rus)**

[Lowered resistance in desympathized animals in extreme conditions of existence] Mukhammedov A. **Biol Nauki** (5):28–33, 1975 **(Rus)**

[Pharmacologic study of adrenergic mechanisms of compensatory hypertrophy of the ovary] Anisimov VN. **Biull Eksp Biol Med** 80(12):44–6, Dec 75 (Eng. Abstr.) **(Rus)**

[Age changes in rat vasomotor reflexes and sympathetic neuron ultrastructure following chemical sympathectomy] Borisov MM, et al. **Biull Eksp Biol Med** 79(6):21–4, Jun 75 (Eng. Abstr.) **(Rus)**

[Effector innervation of melanophores of the arteries of the base of the brain] Motavkin PA. **Biull Eksp Biol Med** 81(2):244–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Change in cortical responses to repeated stimulation of the cat splanchnic nerve] Mokrushin AA. **Dokl Akad Nauk SSSR** 227(1):252–5, Mar–Apr 76 **(Rus)**

[Corticosterone content of the blood in intact and sympathectomized animals in stress situations arising during structure formation in a group of white mice] Mukhammedov A, et al. **Dokl Akad Nauk SSSR** 229(1):223–5, JUL–AUG 76 **(Rus)**

[Changes in the posterior root potential and excitability of terminals of primary afferents of the cat spinal cord evoked by rhythmic stimulation of the accompanying sympathetic trunk] Bagramova MA, et al. **Fiziol Zh SSSR** 62(1):137–40, Jan 76 **(Rus)**

[The role of the autonomic nervous system in regulating the hydrodynamics of the intact eye] Kibiakov AV, et al. **Fiziol Zh SSSR** 62(5):681–6, May 76 (Eng. Abstr.) **(Rus)**

[Participation of the cardiac sympathetic innervation in the occurrence of vagotomic and atropine tachycardia in anesthetized dogs] Nikol'skaia MG, et al. **Fiziol Zh SSSR** 61(10):1449–53, Oct 75 (Eng. Abstr.) **(Rus)**

[The chronotropic effect of maximal stress on the heart and its regulation] Pshennikova MG. **Fiziol Zh SSSR** 62(4):566–72, Apr 76 (Eng. Abstr.) **(Rus)**

[Polysynaptic components of the early somato-sympathetic reflex response in the lumbar white rami communicantes] Lebedev VP, et al. **Neirofiziologiia** 7(2):194–202, 1975 **(Rus)**

[The state of the nuclear apparatus of the thyroid gland under conditions of hypofunction of the sympathetic division of the nervous system] Volkova OV, et al. **Probl Endokrinol (Mosk)** 21(6):80–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Functional condition of the sympathico-adrenal system in children under conditions of general anesthesia in stomatological treatment] Faddeeva EN, et al. **Stomatologiia (Mosk)** 54(6):45–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Analysis of the mediator action of cervical sympathetic nerve fibers on the resistive vessels of the mandible] Loginova NK. **Stomatologiia (Mosk)** 54(5):5–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Role of the hypothalamo-hypophyseal region and the sympathoadrenal system in body reactions in extreme (stress) situations] Tonkikh AV. **Usp Fiziol Nauk** 7(2):3–12, Apr–May 76 (99 ref.) **(Rus)**

[Present-day theories on the role of vestibular vascular reflexes in the regulation of cerebrovascular circulation and the mechanism of vestibular reactions] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** (1):3–11, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Functional state of the sympathetic-adrenal system in children in the process of adaptation to the climate of the southern coast of the Crimea] Blazhko LP. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):534–8, Nov–Dec 75 **(Rus)**

[Neuro-endocrinologic changes in workers of deep Donetsk mines] Vinarik EM, et al. **Vrach Delo** (3):131–4, Mar 76 **(Rus)**

[Effect of a novocaine block of the splanchnic nerves and sympathetic trunks on the clinical course of acute pancreatitis] Akmatov AA. **Zdravookhr Kirg** (6):32–6, Nov–Dec 75 **(Rus)**

[Dynamics of neuro-humoral reactions of resistant and capacitive vessels in the process of adaptation to high altitude conditions. Reactions to electric stimulation of the sympathetic nerves. 2. (Experimental study)] Cherniavskaia GV, et al. **Zdravookhr Kirg** (5):11–6, Sep–Oct 75 **(Rus)**

[Analysis of central mechanisms of interoceptive influence on vestibulo-somatic reflexes] Dutov AM. **Zh Ushn Nos Gorl Bolezn** (6):75–6, Nov–Dec 75 **(Rus)**

[Electrical potentials of the vagal and sympathetic pathways of the stomach during elaboration of conditioned reflexes] Chubarova NI, et al. **Zh Vyssh Nerv Deiat** 25(5):942–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Activity of the sympathetic-adrenal system in healthy school-age children] Nebol'sina LI, et al. **Pediatr Akush Ginekol** (5):5–7, 1975 **(Ukr)**

PHYSIOPATHOLOGY

Neurotological studies on the role of the sympathetic nervous system in the formation of traumatic vertigo of cervical origin. Hinoki M, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):185–96, 1975

The effect of acute rise in intracranial pressure on the sympathetic cardiac, vertebral and phrenic nerve activities. Szulczyk P, et al. **Acta Physiol Pol** 27(1):1–8, Jan–Feb 76

Adrenergic beta blockade and ECG changes in the systolic click murmur syndrome. Abinader EG. **Am Heart J** 91(3):297–302, Mar 76

Cardiac sympathetic innervation and the sudden infant death syndrome. A possible pathogenetic link. Schwartz PJ. **Am J Med** 60(2):167–72, Feb 76 (69 ref.)

Reduced beta-adrenergic responsiveness in hypothyroid rats. Fregly MJ, et al. **Am J Physiol** 229(4):916–24, Oct 75

Proceedings: The sympathetic nervous system and renovascular hypertension in the rat. Dargie HJ, et al. **Br J Pharmacol** 56(3):365P, Mar 76

The sympathetic nervous system in diabetic neuropathy. A clinical and pathological study. Low PA, et al. **Brain** 98(3):341–56, Sep 75

The sympathetic nervous system in alcoholic neuropathy. A clinical and pathological study. Low PA, et al. **Brain** 98(3):357–64, Sep 75

Stress-induced and sympathetically-mediated electrocardiographic and circulatory variations in the primary hyperkinetic heart syndrome. Guazzi M, et al. **Cardiovasc Res** 9(3):342–54, May 75

Dopamine beta-hydroxylase release during hypertension from sympathetic nervous overactivity in man. Mathias CJ, et al. **Cardiovasc Res** 10(2):176–81, Mar 76

An excitatory nociceptive cardiac reflex elicited by bradykinin and potentiated by prostaglandins and myocardial ischaemia. Staszewka-Barczak J, et al. **Cardiovasc Res** 10(3):314–27, May 76

Evidence for an increase in adrenergic nerve function in blood vessels from experimental hypertensive rabbits. Bevan RD, et al. **Circ Res** 37(4):503–8, Oct 75

Effects of decreasing arterial blood pressure on cerebral blood flow in the baboon. Influence of the sympathetic nervous system. Fitch W, et al. **Circ Res** 37(5):550–7, Nov 75

Central and peripheral adrenergic mechanisms in the development of deoxycorticosterone-saline hypertension in rats. Reid JL, et al. **Circ Res** 37(5):569–79, Nov 75

Interrelationships of the renin angiotensin system and the sympathetic nervous system in the pathogenesis of hypertension in man–a hypothesis. Doyle AE, et al. **Clin Exp Pharmacol Physiol** Suppl 2:141–4, 1975

Plasma prostaglandin E during neurogenic hypertension in tetraplegic man. Mathias CJ, et al. **Clin Sci Mol Med** 49(6):625–8, Dec 75

Postdecapitation convulsions and their inhibition by drugs. Eichbaum FW, et al. **Exp Neurol** 49(3):802–12, Dec 75

Adrenergic mechanisms and the aetiology of hypertension. pp. 68–93. de Champlain J, et al.
In: Davies DS, Reid JL, ed. Central action of drugs in blood pressure regulation. Tunbridge Wells, Pitman Medical, 1975. QV 120 I61c 1975. (120 ref.)

Evaluation of the neurogenic component in human hypertension. pp. 267–300. de Chaplain J.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974. (154 ref.)

Reduction in sensitivity of atrial receptors following sympathectomy. pp. 236–51. Ferrario CM, et al.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Sympathetic discharge rate in SHR. pp. 51–9. Iriuchijima J.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Role of the sympathetic nervous system in development and maintenance of spontaneous hypertension. pp. 76–95. Lais LT, et al.
In: Julius S, Esler MD, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Renin and indices of neurogenic activity in borderline hypertension. pp. 331–54. Esler M, et al.
In: Julius S, Murray DE, ed. The nervous system in arterial hypertension. Springfield, Ill., Thomas, 1976. WG 340 C75n 1974.

Neurogenic arterial hypertension produced by brainstem lesions. pp. 35–51. Reis DJ, et al.
In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.

Effects of hypoxic and CO hypoxia on isolated hearts. Scharf SM, et al. **J Appl Physiol** 39(5):752–8, Nov 75

Activity of sympathetic nerves in heart during cardiopulmonary bypass in patients. Barta E, et al. **J Cardiovasc Surg (Torino)** 17(2):174–7, Mar–Apr 76

The role of adrenergic mechanisms in the substrate and hormonal response to insulin-induced hypoglycemia in man. Garber AJ, et al. **J Clin Invest** 58(1):7–15, Jul 76

Pain mechanisma in causalgia. Sunderland S. **J Neurol Neurosurg Psychiatry** 39(5):471–80, May 76

Is the peripheral sympatho-adrenal nervous system necessary for renal hypertension? Douglas JR Jr, et al. **J Pharmacol Exp Ther** 196(1):35–43, Jan 76

Studies on pathophysiological significance of sympathetic activity in myocardial infarction. Yao T. **Jpn Circ J** 39(12):1293–303, Dec 75

Sodium excretion and sympathetic activity in relation to severity of hypertensive disease. Berglund G, et al. **Lancet** 1(7955):325–8, 14 Feb 76

Suppression of sympathetic nervous function in low-renin essential hypertension. Esler M, et al. **Lancet** 2(7977):115–8, 17 Jul 76

Pathogenesis of neurogenic pulmonary oedema. Theodore J, et al. **Lancet** 2(7938):749–51, 18 Oct 75

Thyroid-catecholamine interactions. Spaulding SW, et al. **Med Clin North Am** 59(5):1123–31, Sep 75 (61 ref.)

Editorial: Relaxation, autonomic control and hypertension. Abbound FM. **N Engl J Med** 294(2):107–9, 8 Jan 76

Norepinephrine and epinephrine release and adrenergic mediation of smoking-associated hemodynamic and metabolic events. Cryer PE, et al. **N Engl J Med** 295(11):573–7, 9 Sep 76

Deficient sympathetic nervous response in familial dysautonomia. Ziegler MG, et al. **N Engl J Med** 294(12):630–3, 18 Mar 76

The sympatho-adrenergic response in hyperthermia. Groza P, et al. **Physiologie** 13(2):91–9, Apr–Jun 76 (Eng. Abstr.)

Plasma noradrenaline levels in regular haemodialysis patients. Brecht HM, et al. **Proc Eur Dial Transplant Assoc** 12:281–90, 1976

Role of adrenergic mechanisms in the development of cardiac hypertrophy. Malik AB, et al. **Proc Soc Exp Biol Med** 150(3):796–800, Dec 75

Role of sympathetic excitation in generating arrhythmias in early and late phases of ectopic responses after coronary arterial occlusion in dog heart. Harris AS, et al. **Recent Adv Stud Cardiac Struct Metab** 5:315–21, 1975

Adrenergic mechanisms and the pulmonary vascular response to respiratory acidosis. Malik AB, et al. **Respiration** 33(3):179–87, 1976

Lesch-Nyhan syndrome: evidence for abnormal adrenergic function. Rockson S, et al. **Science** 186(4167):934–5, 6 Dec 74

Influence of sympathetic nerve activity on renal haemodynamics and release of renin. A preliminary communication. Lörelius LE, et al. **Ups J Med Sci** 81(2):109–11, 1976

Sympathetic influence on vascular smooth muscle contractility in renal hypertension in the rabbit. Ayitey-Smith E. **West Afr J Pharmacol Drug Res** 2(1):17–25, Jun 75

[Physiology of the neuro-accomodative tract and physiopathology of its interruptions in hypermetropia] Carapancea M. **Rev Roum Morphol Physiol** 20(1):27–33, 1974 **(Fre)**

[Pseudo-obstruction of the colon due to lateral pancreatic necrosis (Ogilvie's syndrome)] Simonyi I. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):602–3, Jun 76 **(Ger)**

[Activity of the sympathetic nervous system during experimentally induced hypoxemia in man (author's transl)] Geisler LS, et al. **Pneumonologie** 151(4):297–305, 30 May 75 (Eng. Abstr.) **(Ger)**

[Dopamine-beta-hydroxylase activity and catecholamine concentration in plasma as a parameter of sympathetic tonus: effect of the ergometric test on patients with normotension and essential hypertension] Planz G, et al. **Verh Dtsch Ges Inn Med** 81:1066–8, 1975 **(Ger)**

[Sympatho-adrenergic function in congestive heart failure. II. Circadian rhythm in the urinary excretion of noradrenaline and adrenaline] Descovich GC, et al. **Boll Soc Ital Cardiol** 17(10):903–12, 1972 **(Ita)**

[Sympatho-adrenergic function in congestive heart failure. I. Changes in urinary excretion of adrenaline and noradrenaline] Descovich GC, et al. **Boll Soc Ital Cardiol** 17(10):886–902, 1972 **(Ita)**

[Exercise test and atrial pacing in angina pectoris: behaviour of adrenosympathetic system (author's transl)] Valori C, et al. **G Ital Cardiol** 5(2):165–72, 1975 (Eng. Abstr.) **(Ita)**

[Evaluation of the state of the sympathetic nervous system in hyperthyroidism on the basis of ECG criteria] Nowosad H, et al. **Endokrynol Pol** 26(3):299–305, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Effect of tobacco smoking on the adrenergic system activity and serotonin metabolism] Trojnar R. **Pol Tyg Lek** 31(11):459–61, 15 Mar 76 **(Pol)**

[Sympathico-adrenal system in elderly patients with systolic hypertension] Tsfasman AZ, et al. **Kardiologiia** 15(8):58–61, Aug 75 (Eng. Abstr.) **(Rus)**

[Functional state of the sympathetic-adrenal system in patients with complicated peptic ulcer] Shuliak LP, et al. **Klin Khir** (12):52–3, Dec 75 **(Rus)**

[Multi-channel electrodermography as a method of examination of the vegetative nervous system] Gaevskii IuG, et al. **Klin Med (Mosk)** 53(9):101–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Certain neurohumoral disorders in patients with complicated peptic ulcer] Samson EI. **Klin Med (Mosk)** 53(8):39–43, Aug 75 (Eng. Abstr.) **(Rus)**

[Functional state of the sympathetic-adrenal system in occupational irradiation] Gorbarenko NI, et al. **Med Radiol (Mosk)** 20(9):46–52, Sep 75 (Eng. Abstr.) **(Rus)**

[Role of the sympathetic nervous system in early nonspecific reactions of the hematopoietic organs] Gorizontov PD. **Patol Fiziol Eksp Ter** (3):34–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Indicators of the activity of sympathetic-adrenal system at

different stages of development of diabetes mellitus] Kharchenko AD, et al. **Pediatriia** (7):34–6, Jul 75 **(Rus)**

[State of the sympathetic–adrenal system (according to indicators of diurnal excretion of catecholamines) in children with general psychic underdevelopment] Martsinkevich NE. **Pediatriia** (12):35–7, Dec 75 **(Rus)**

[Effect of massive blood loss and blood transfusion during surgery on the state of the sympathetic–adrenal system and glucocorticoid function of the adrenal cortex] Meniailov NV, et al. **Probl Gematol Pereliv Krovi** 20(4):16–20, Apr 75 (Eng. Abstr.) **(Rus)**

[Sympathetic nervous system in rheumatism and rheumatoid arthritis] Liubitskaia VV. **Sov Med** (10):62–5, Oct 75 (Eng. Abstr.) **(Rus)**

[State of the sympathico–adrenal and kinin systems after treatment of primary uterine inertia with prostaglandin F2 alpha] Persianinov LS, et al. **Sov Med** (6):15–20, Jun 75 (Eng. Abstr.) **(Rus)**

[Sympathetic–adrenal system in the acute period of myocardial infarct (clinico–experimental studies)] Zysko AP, et al. **Ter Arkh** 47(7):40–4, 1975 (Eng. Abstr.) **(Rus)**

[Effect of motion sickness on the activity of certain blood serum enzymes and the functional state of the sympathoadrenal system] Kostrov NI, et al. **Voen Med Zh** (4):55–7, Apr 76 **(Rus)**

[State of the sympathetic–adrenal systen in diabetes mellitus and its alteration under health resort treatment] Nanaziashvili IS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):71–6, Jan–Feb 75 **(Rus)**

[Vegetative–trophic disorders in syringomyelia and their dynamics in the process of treatment] Adamenko RIa, et al. **Vrach Delo** (11):108–10, Nov 75 (Eng. Abstr.) **(Rus)**

[Neurohumoral indicators of the activity of the sympathico–adrenal system in acute myocardial infarct] Detsik IuI, et al. **Vrach Delo** (9):24–8, Sep 75 **(Rus)**

[Functional state of the sympatho–adrenal system in patients with acute myocardial infarct of different clinical course] Golikov AP, et al. **Vrach Delo** (1):19–21, Jan 74 **(Rus)**

[State of the sympathetic nervous system in patients with nonspecific chronic prostatitis] Iunda IF, et al. **Vrach Delo** (11):85–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Sympathetic–adrenal system in chronic cor pulmonale with tuberculosis] Kulachkovskiĭ IuV. **Vrach Delo** (10):55–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Certain vegetative–vascular reactions in ulcer disease after conservative treatment] Pshenichnaia ZM. **Vrach Delo** (12):22–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Pseudoneurotic states in patients with transient cerebral circulatory disorders] Ishchenko MM, et al. **Zh Nevropatol Psikhiatr** 75(8):1138–43, 1975 (Eng. Abstr.) **(Rus)**

[The condition of the sympatho–adrenal system and blood coaglability in cerebral vascular crises] Kubyshkina EN. **Zh Nevropatol Psikhiatr** 75(8):1158–62, 1975 (Eng. Abstr.) **(Rus)**

[The functional state of the sympathetic–adrenal system and blood coagulation in transitory cerebral circulatory disorders] Vesel'skiĭ ISh, et al. **Zh Nevropatol Psikhiatr** 76(3):380–5, 1976 (Eng. Abstr.) **(Rus)**

[Reaction of the sympathetic nervous system and the adrenal gland to submaximal physical load in hypertensive patients (author's transl)] Balažovjech I, et al. **Bratisl Lek Listy** 64(5):605–15, Nov 75 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

[Functional activity of the sympathetic–adrenal system in chronic and fractionated irradiation of rats] Musagalieva GM. **Radiobiologiia** 15(4):573–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

SURGERY

Effect of surgical trauma on the endogeneous heme iron in the brain. Choudhury SR, et al. **Acta Anat (Basel)** 94(4):545–57, 1976

ULTRASTRUCTURE

Morphological examination of the juxtaglomerular apparatus following the fluorescence microscopic demonstration of sympathetic nerves. Nemes Z, et al. **Acta Morphol Acad Sci Hung** 23(1):71–82, 1975

Studies of the hemopoietic microenvironment. VIII. Andrenergic and cholinergic innervation of the murine spleen. Reilly FD, et al. **Anat Rec** 185(1):109–17, May 76

Catecholamine–containing nerve terminals in piloarrector muscles of stump–tailed macaques (Macaca arctoides) and the effects of local injection of 6–, and 5–hydroxydopamine. Uno H, et al. **Anat Rec** 185(1):49–61, May 76

Influence of 5– and 6–hydroxydopamine on adrenergic transmission and nerve terminal morphology in the canine pulmonary vascular bed. Kadowitz PJ, et al. **Circ Res** 39(2):191–9, Aug 76

Ultrastructural and biochemical evidence for a sympathetic neural influence on the choroid plexus. Edvinsson L, et al. **Exp Neurol** 48(2):241–51, Aug 75

[Upon the stockage ultrastructures of the noradrenalin in the sympathetic neurons (author's transl)] Taxi J, et al. **Ann Histochim** 20(2):127–32, Apr–Jun 75 (Eng. Abstr.) **(Fre)**

[Mechanism of the appearance of nuclear inclusions with microfilaments and microtubules in sympathetic neurons. Influence of dibutyryl–adenosine 3'–5' monophosphate and theophylline] Leonetti J, et al. **Bull Assoc Anat (Nancy)** 59(166):651–6, Sep 75 (Eng. Abstr.) **(Fre)**

[Mapping of sympathetic innervation of the left and median lobes of the rat liver. Electron microscopic study] Blouin A, et al. **Rev Can Biol** 32(3):187–211, Sep 73 (Eng. Abstr.) **(Fre)**

[Additional findings on the ultrastructure of sympathetic ganglia in mammals (particularly in the intercellular conections)] Taxi J. **Trab Inst Cajal Invest Biol** 65:9–40, 1973 **(Fre)**

[The innervation of the thyroid gland of the sand rat (Psammomys obesus)] von Dorsche HH, et al. **Z Mikrosk Anat Forsch** 88(4):632–6, 1974 (Eng. Abstr.) **(Ger)**

SYMPATHETIC TRANSMITTER RELEASERS see **SYMPATHOMIMETICS**

SYMPATHINS see **CATECHOLAMINES**

SYMPATHOLYTICS

[Pharmacological properties of the alkaloid thalicmine] Sadritdinov FS, et al. **Farmakol Toksikol** 38(4):490–1, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of adrenergic blocking and stimulating agents on arginine vasotocin release in birds. Niezgoda J. **Acta Physiol Pol** 27(3):275–80, May–Jun 76

Evidence for an intrarenal beta receptor in control of renin release. Johnson JA, et al. **Am J Physiol** 230(2):410–8, Feb 76

Effects of adrenergic stimulating and blocking agents on the eccrine sweat secretion in atopic dermatitis and psoriasis. Thune P, et al. **Arch Dermatol Res** 253(2):97–103, 12 Sep 75

Adrenergic neuron blocking action of dehydrocorydaline isolated from Corydalis bulbosa. Kurahashi K, et al. **Can J Physiol Pharmacol** 54(03):287–93, Jun 76

The influence of some sympatholytic, parasympatholytic and serotonin–synthesis–inhibiting agents on the ultrastructure of the rabbit pineal organ. Romijn HJ. **Cell Tissue Res** 167(2):167–77, 16 Mar 76

A noradren aline sensitive adenylate cyclase in the rat limbic forebrain: preparation, properties and the effects of agonists, adrenolytics and neuroleptic drugs. Horn AS, et al. **Eur J Pharmacol** 37(1):1–11, May 76

Effects of autonomic drugs on epididymal contractions. Hib J. **Fertil Steril** 27(8):951–6, Aug 76

The effect of adrenergic blocking agents and nicotinic acid on lipid and carbohydrate metabolism in immobilized rat. pp. 491–7. Ahlersova E, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

Voltage clamp studies of the actions of catecholamines and adrenergic blocking agents on mammalian smooth muscles. pp. 165–76. Kao CY, et al. **In: Worcel M, Vassort G, ED. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.**

Adrenergic responses of the rabbit stomach serosal strip and their modification by monoamine oxidase inhibitors and anti–adrenergic drugs. Khayyal MT, et al. **J Pharm Pharmacol** 28(6):489–92, Jun 76

Effect of adrenergic neuron blocking agents and biguanides on the efflux of extragranular noradrenaline from adrenergic nerves in rabbit atria. Paton DM. **J Pharm Pharmacol** 28(7):582–3, Jul 76

Norepinephrine and epinephrine release and adrenergic mediation of smoking–associated hemodynamic and metabolic events. Cryer PE, et al. **N Engl J Med** 295(11):573–7, 9 Sep 76

[The effect of symphathicotropic substances on liver microsomes in vivo and in vitro] Klinger W, et al. **Acta Biol Med Ger** 34(4):661–6, 1975 (Eng. Abstr.) **(Ger)**

[Sympatholytics] Krause D. **Dtsch Tieraerztl Wochenschr** 83(5):172–8, 5 May 76 (Eng. Abstr.) **(Ger)**

[Cyclic AMP and renin secretion following furosemide, beta–sympathicolysis and amitryptiline] Zehner J, et al. **Verh Dtsch Ges Inn Med** 81:1033–5, 1975 **(Ger)**

[Adrenoceptors and autonomic nerve control mechanisms in the biliary tract] Yanaura S, et al. **Folia Pharmacol Jpn** 71(1):39–51, Jan 75 (Eng. Abstr.) **(Jpn)**

[Pharmacological and histochemical studies of antiglaucomatous drugs exerting an effect on the eye's sympathetic nervous system] Jabłoński J. **Klin Oczna** 45(7):779–84, Jul 75 (Eng. Abstr.) **(Pol)**

[Effect of some adrenergic substances on the cumulative effect of strophanthin] Gendenshtein EI, et al. **Biull Eksp Biol Med** 80(8):69–71, Aug 75 (Eng. Abstr.) **(Rus)**

[Age–related characteristics of the reaction of the myocardial adenyl system to pharmacological sympatholysis] Viktorov AP. **Farmakol Toksikol** 38(2):166–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[A pharmacologic analysis of preparatory mechanisms of stereotyped activity in dogs] Selivanova AT. **Zh Vyssh Nerv Deiat** 25(1):87–94, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Effect of sympatholytics and beta–adrenoblockaders on the glycogen content in the myocardium of rats of different ages] Viktorov AP, et al. **Farm Zh** (2):79–81, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[The effect of different doses of the sympatholytic isobarin on the evacuatory function of the stomach in dogs] Beheka AD, et al. **Fiziol Zh** 21(5):649–53, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Combined alpha– and beta–adrenoceptor blockade with labetalol in hypertension. Frick MH, et al. **Br Med J** 1(6017):1046–8, 1 May 76

Drug treatment of trigeminal neuralgia with sympatho– and parasympatholytics. Kränzl B, et al. **J Maxillofac Surg** 4(1):56–60, Mar 76

Treatment with thyrotoxicosis with sympatholytic drugs. Bell RL. **J Tenn Med Assoc** 69(3):200, Mar 76

[Experimental studies on the use of beta–sympatholytics in infarct–induced ventricular fibrillation] Schley G, et al. **Med Welt** 26(27–28):1313–5, 11 Jul 75 **(Ger)**

[Therapeutic combination of psychopharmacoenticals and beta–sympathicolytics] May V. **Nervenarzt** 46(5):268–71, May 76 **(Ger)**

[Proceedings: Therapy results with various beta–receptor blockaders in patients with stress hypertension under medium severe physical stress] Groth KD, et al. **Z Kardiol** Suppl 2:87, 1975 **(Ger)**

[Medical treatment of malignant hypertension. Physiopathological basis and results of treatment with sympatholytic drugs, heparin and dipyridamole] Coratelli P, et al. **Minerva Nefrol** 21(4):324–33, Jul–Aug 74 **(Ita)**

SYMPATHOMIMETICS

Mechanism of the indirect sympathomimetic effect of 5–hydroxytrypt–amine on the isolated heart of the rabbit. Fozard JR, et al. **Br J Pharmacol** 57(1):115–25, May 76

Reaction of some sympathomimetic amines with sodium 1,2–naphthoquinone–4–sulphonate. Gürkan T. **Mikrochim Acta** (2–3 PT 1):165–71, 1976

[A pharmacologic analysis of several adrenomimetic effects of serotonin] Arefolov VA, et al. **Biull Eksp Biol Med** 80(11):45–8, Nov 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Letter: Sympathomimetics and schizophrenia. Hansell N. **JAMA** 234(12):1220, 22 Dec 75

Supersensitivity to sympathomlmetic drugs. Khatri CK, et al. **JPMA** 26(5):122–3, May 76

[Drug–induced primary vascular pulmonary hypertension. Contribution to its etiology and clinical course] Schnabel KH, et al. **Med Welt** 27(26):1300–3, 25 Jun 76 **(Ger)**

ANTAGONISTS & INHIBITORS

Beta adrenergic–blockers decrease adrenergically stimulated N–acetyltransferase activity in pineal glands in organ culture. Parfitt A, et al. **Neuropharmacology** 15(6):353–8, Jun 76

BLOOD

The adsorption of sympathomimetic agents by activated carbon hemoperfusion. Horres CR, et al. **Trans Am Soc Artif Intern Organs** 22:425–30, 1976

CHEMICAL SYNTHESIS

2,3–Dihydroxyphenethanolamine as an adrenergic agent. Bartholow RB, et al. **J Med Chem** 19(1):189–90, Jan 76

Stereochemical studies of adrenergic drugs. Diastereomeric 2–amino–1–phenylcyclobutanols. Miller DD, et al. **J Med Chem** 19(1):180–4, Jan 76

[Azomethines and oxazolidines from norfenefrine. Development of compounds with prolonged action and blood pressure increasing effect] Schönenberger H, et al. **Arch Pharm (Weinheim)** :717–9, Sep 75 **(Ger)**

METABOLISM

Proceedings: Metabolic pattern and pharmacokinetic properties of phenolic sympathomimetic amines. Hengstmann J. **Arzneim Forsch** 26(6):1251–2, 1976

The role of biotransformation in the action of drugs affecting the sympathetic nervous system. Merin RG. **Int Anesthesiol Clin** 13(4):117–25, Winter 75 (14 ref.)

PHARMACODYNAMICS

Histophysiological response of the adrenal tissue homologues to adrenergic drugs in Heteropneustes fossilis (Bloch). Belsare DK. **Acta Biol Acad Sci Hung** 25(4):247–53, 1974

Effect of acetylated derivatives of some sympathomimetic amines on the acute toxicity, locomotor activity and barbiturate anaesthesia time in mice. Marvola M. **Acta Pharmacol Toxicol (Kbh)** 38(5):474–89, May 76

The effect of adrenergic blocking and stimulating agents on arginine vasotocin release in birds. Niezgoda J. **Acta Physiol Pol** 27(3):275–80, May–Jun 76

Sympathetic nervous system and renin release from submaxillary glands in vitro. Michelakis AM, et al. **Am J Physiol** 231(2):551–4, Aug 76

Characteristics of responses of isolated human fallopian tube to transmural stimulation and to sympathomimetic amines. Molnar S, et al. **Arch Int Pharmacodyn Ther** 220(2):205–12,

Apr 76
Drug effects on myocardial 45Ca uptake in conscious rats. Arndts D. **Arzneim Forsch** 25(8):1279–84, Aug 75
Influence of the sympathomimetic activity of oxprenolol on haemodynamics in the anaesthetized dog. Stepanek J, et al. **Basic Res Cardiol** 70(5):574–83, Sep–Oct 75
Effect of sympathomimetic amines and monoamine oxidase inhibitors on protein synthesis in rat heart. Mallov S. **Biochem Pharmacol** 25(14):1645–51, 15 Jul 76
Biochemical correlates for the pharmacological effects of L(+)-isomers and beta-desoxy-sympathomimetic amines. Ruffolo RR Jr, et al. **Biochem Pharmacol** 25(4):399–404, 15 Feb 76
Calcium ion uptake in isolated pancreas cells induced by secretagogues. Kondo S, et al. **Biochim Biophys Acta** 419(1):76–92, 8 Jan 76
Tolerance to sympathomimetic bronchodilators in guinea-pig isolated lungs following chronic administration in vivo. Benoy CJ, et al. **Br J Pharmacol** 55(4):547–54, Dec 75
Proceedings: Two types of intrinsic sympathomimetic activity with beta-adrenoceptor blocking drugs. Bilski A, et al. **Br J Pharmacol** 56(3):362P, Mar 76
Effects of sympathomimetic amines on 45Ca efflux from liver slices. Haylett DG. **Br J Pharmacol** 57(1):158–60, May 76
Structure—activity relations for the acceleration of efflux of noradrenaline from adrenergic nerves in rabbit atria by sympathomimetic amines. Paton DM. **Can J Physiol Pharmacol** 53(5):822–9, Oct 75
The influence of cholinergic, adrenergic, and serotonergic drugs on the afternoon surge of plasma prolactin in ovariectomized, estrogen-treated rats. Subramanian MG, et al. **Endocrinology** 98(4):842–8, Apr 76
Some adrenomimetic drugs affecting lipolysis in human adipose tissue in vitro. Wenkeová J, et al. **Eur J Pharmacol** 35(1):1–6, Jan 76
Discussion paper on the effects of adrenergic and cholinergic drugs on cyclic adenosine 3',5'- monophosphate concentration and alpha-amylase secretion in rabbit parotid glands in vitro. pp. 297–302. Schorderet M, et al. **In: Case RM, Goebell H, ed. Stimulus-secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.**
Central modulation of cardiovascular activity by clonidine and other adrenergic substances. pp. 283–92. Kobinger W. **In: Onesti G, et al., ed. Regulation of blood pressure by the central nervous system. New York, Grune & Stratton, 1976. W3 HA164 1975r.** (43 ref.)
The effect of adrenergic drugs and hypogastric nerve stimulation on the canine urethra. A radiologic and urethral pressure study. Awad SA, et al. **Invest Urol** 13(4):298–301, Jan 76
Proceedings: Sympathetic and sympathomimetic stimulation of parotid salivary secretion in sheep Patterson J, et al. **J Physiol (Lond)** 252(2):58P–59P, Nov 75
Centrally mediated cardiovascular responses to intracisternal injections of sympathomimetic amines in anesthetized rats. Ozawa H, et al. **Jpn J Pharmacol** (1):45–56, Feb 76
Cholinergic and non-cholinergic pharmacology of the bronchioles. Koelle GB. **Postgrad Med J** 51(7 SUPPL):63–8, 1975
Pharmacology of vascular control. Shanks RG. **Postgrad Med J** 50(587):560–1, Sep 74
Studies on the effects of sympathomimetic amines on carbohydrate metabolism. Kuo SH, et al. **Proc West Pharmacol Soc** 18:232–5, 1975
Adrenergic compounds and the respiratory tract. A physiological and electron-microscopical study. Melville GN, et al. **Respiration** 33(4):261–9, 1976
[Effect of beta-mimetics upon the myometrium (author's transl)] Czekanowski R .. **Cesk Gynekol** 41(4):260–2, Jun 76 **(Cze)**
[Tocolysis during labor] Svorc J. **Cesk Gynekol** 41(4):306–8, Jun 76 **(Cze)**
[Synergism and antagonism of some sympathomimetic amines towards noradrenaline in vitro. Study on isolated rat seminal vesicle. II] Valette G. **C R Soc Biol (Paris)** 168(10–11–12):1230–3, 1974 (Eng. Abstr.) **(Fre)**
[The effect of symphathicotropic substances on liver microsomes in vivo and in vitro] Klinger W, et al. **Acta Biol Med Ger** 34(4):661–6, 1975 (Eng. Abstr.) **(Ger)**
[Parotid secretion and its pharmacologically induced variants (author's transl)] Chilla R, et al. **HNO** 23(8):229–32, Aug 75 (64 ref.) **(Ger)**
[Acute and long-term tocolysis by means of buphenin (Dilatol) in insulin dependent pregnant diabetics] Amendt U, et al. **Zentralbl Gynaekol** 97(26):1607–13, 1975 (Eng. Abstr.) **(Ger)**
[Cardiovascular effects and myocardial oxygen consumption of sympathomimetic amines] Clavenna G, et al. **Boll Chim Farm** 115(1):34–40, JAN 76 (Eng. Abstr.) **(Ita)**
[Adrenoceptors and autonomic nerve control mechanisms in the biliary tract] Yanaura S, et al. **Folia Pharmacol Jpn** 71(1):39–51, Jan 75 (Eng. Abstr.) **(Jpn)**
[The comparison of the contactive reactivity of the isolates spleen of a rabbit, rat and guinea pig to sympathycomimetic substances (author's transl)] Lozowski SZ. **Ann Univ Mariae Curie Sklodowska [Med]** 29:27–34, 1974 (Eng. Abstr.) **(Pol)**
[Pharmacological and histochemical studies of antiglaucomatous drugs exerting an effect on the eye's sympathetic nervous system] Jabłoński J. **Klin Oczna** 45(7):779–84, Jul 75 (Eng. Abstr.) **(Pol)**
[Effect of sympathomimetics (isoprenaline, alupent, salbutamol) on the level of free and esterified fatty acids in blood serum of patients with chronic pulmonary diseases] Napiórkowska W, et al. **Pneumonol Pol** 44(2):107–12, Feb 76 (Eng. Abstr.) **(Pol)**
[Effect of catecholaminergic substances on the proconvulsive properties of the caudate nucleus] Avakian RM, et al. **Biull Eksp Biol Med** 80(8):66–9, Aug 75 (Eng. Abstr.) **(Rus)**
[Effect of some adrenergic substances on the cumulative effect of strophanthin] Gendenshtein EI, et al. **Biull Eksp Biol Med** 80(8):69–71, Aug 75 (Eng. Abstr.) **(Rus)**
[Effect of adrenergic compounds on the brain potentials evoked by stimulation of the dental pulp] Shelikhov VN, et al. **Farmakol Toksikol** 38(6):676–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[The effect of adrenotropic substances on contraction of the rat ductus deferens induced by the action of adrenaline and transmural stimulation] Berdysheva LV. **Fiziol Zh SSSR** 61(8):1197–1203, Aug 75 (Eng. Abstr.) **(Rus)**
[Analysis of the mediator action of cervical sympathetic nerve fibers on the resistive vessels of the mandible] Loginova NK. **Stomatologiia (Mosk)** 54(5):5–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Isometheptene—a non-ergot drug in the treatment of migraine. Diamond S, et al. **Headache** 15(3):211–3, Oct 75
Sympathomimetic bronchodilators and animal models for assessing their potential value in asthma. Bowman WC, et al. **J Pharm Pharmacol** 28(4 SUPPL):369–74, Apr 76
A double-blind trial of salmefanol, a new bronchodilator. Bainbridge D, et al. **Postgrad Med J** 51(599):627–30, Sep 75
[Demonstration of a beta blockage in an asthmatic patient treated with beta sympathomimetics] Dry J, et al. **Nouv Presse Med** 5(15):1001, 10 Apr 76 **(Fre)**
[Pharmacological principles of glaucoma therapyAQ Fechner PU. **Buech Augenarzt** 67(0):86–109, 1976 **(Ger)**
[Beta-sympathomimetics, causal treatment of EPH-gestosis (author's transl)] Rippmann ET. **Praxis** 65(10):277–82, 9 Mar 76 (Eng. Abstr.) **(Ger)**
[Tokolysis (author's transl)] Weidinger H. **Praxis** 65(7):175–80, 17 Feb 76 **(Ger)**
[Treatment of hypotension in general practice with Gutron] Lacbnit VKS. **Wien Med Wochenschr** 125(25–27):428–31, 20 Jun 75 **(Ger)**
[Causes of changes in bronchiolar caliber: bases and agents for therapy of bronchiolar obstruction] Grassi C, et al. **Minerva Med** 67(15):930–46, 13 Mar 76 **(Ita)**
[Prevention of cerebrovascular disorders with adrenergic substances] Mirzoian RS. **Biull Eksp Biol Med** 80(11):50–3, Nov 75 (Eng. Abstr.) **(Rus)**
[Syndromes of aggravation of bronchial asthma during incorrect treatment] Iurenev PN, et al. **Ter Arkh** 48(5):30–40, 1976 (Eng. Abstr.) **(Rus)**

SYMPHYSIOTOMY

The place of symphysiotomy in the treatment of disproportion in Uganda. A study of 30 cases. Kairuki HC. **East Afr Med J** 52(12):686–93, Dec 75

METHODS

[Preliminary considerations of transpubic urethroplasty] Netto NR Jr, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):422–5, Sep–Oct 75 (Eng. Abstr.) **(Por)**

SYNALAR see **FLUOCINOLONE ACETONIDE**

SYNAPSES

Loss of synapses in the dentate gyrus of the senescent rat. Bondareff W, et al. **Am J Anat** 145(1):129–36, Jan 76
The onset of synaptogenesis in rat temporal cortex. König N, et al. **Anat Embryol (Berl)** 148(1):73–87, 6 Nov 75
Cognitron: a self-organizing multilayered neural network. Fukushima K. **Biol Cybern** 20(3–4):121–36, 5 Nov 75
Plasticity of synapses. Cragg BG. **Br Med Bull** 30(2):141–4, May 74
Spontaneous elimination of synapses on cat spinal motoneurons after birth: do half of the synapses on the cell bodies disappear? Conradi S, et al. **Brain Res** 92(3):505–10, 18 Jul 75
Determination of axon terminal density in the central nervous system. Palkovits M. **Brain Res** 108(2):413–7, 28 May 76
Developmental changes in synaptic formation in the hypothalamic arcuate nucleus of female rats. Matsumoto A, et al. **Cell Tissue Res** 169(2):143–56, 14 Jun 76
Monovalent cation penetration into synaptic membranes. Hoss W. **FEBS Lett** 58(1):340–3, 15 Oct 75
Synaptogenesis in the ventromedial hypothalamus of the prenatal mouse. Beals JK. **J Comp Neurol** 167(3):361–83, 1 Jun 76
Ontogeny of monoamine neurons in the locus coeruleus, raphe nuclei and substantia nigra of the rat. II. Synaptogenesis. Lauder JM, et al. **J Comp Neurol** 163(3):251–64, 1 Oct 75
Differences in occipital cortical synapses from environmentally enriched, impoverished, and standard colony rats. Diamond MC, et al. **J Neurosci Res** 1(2):109–19, 1975
A functional model of sialo-glyco-macromolecules in synaptic transmission and memory formation. Rahmann H, et al. **J Theor Biol** 57(1):231–7, Mar 76
Conformational adaptability at GABA-sensitive inhibitory synapses. Steward EG, et al. **J Theor Biol** 52(2):493–8, Aug 75
Technique for studying synaptic connections of single motoneurones in man. Stephens JA, et al. **Nature** 263(5575):343–4, 23 Sep 76
Letter: Postfacial palsy caused by artificial synapose. Sadjadpour K. **Neurology** 26(3):292–3, Mar 76
Synapse formation between clonal neuroblastoma X glioma hybrid cells and striated muscle cells. Nelson P, et al. **Proc Natl Acad Sci USA** 73(1):123–7, Jan 76
Synapse and acetylcholine receptor synthesis by neurons dissociated from retina. Vogel Z, et al. **Proc Natl Acad Sci USA** 73(7):2370–4, Jul 76
Morphogenesis and physiogenesis of the retino-tectal connection in the chicken. II. The retino-tectal synapses. Rager G. **Proc R Soc Lond [Biol]** 192(1108):353–70, 17 Feb 76
Snyaptic and dendritic development and mental defect. Huttenlocher PR. **UCLA Forum Med Sci** (18):123–40, 1975
[Repercussions of hypothyroidism on the synaptogenesis of the rat cerebellar cortex: quantitative study of the thyroid hormone effect according to the age (author's transl)] Rebière A, et al. **Acta Neuropathol (Berl)** 35(2):117–29, 15 Jun 76 (Eng. Abstr.) **(Fre)**
[Influence of nerve growth factor (NGF) on formation of synapses in newt embryonic neural tube] Radeva V, et al. **Arch Anat Microsc Morphol Exp** 64(2):135–47, Apr–Jun 75 (Eng. Abstr.) **(Fre)**
[Synapse density determination in brain structures based on phosphotungstic acid contrast] Rösler B, et al. **J Hirnforsch** 16(6):457–67, 1975 (Eng. Abstr.) **(Ger)**
[Culture of neuromuscular synapses—actions of neurotrophic factors on muscles] Yonezawa T. **Jpn J Clin Med** 33(10):2925–32, Oct 75 **(Jpn)**
[Nature of the distribution of synapses in the neurons of the reticular formation and some afferent nuclei] Kozlova GI. **Arkh Anat Gistol Embriol** 68(5):81–5, May 75 (Eng. Abstr.) **(Rus)**
[Development of synaptic contacts in the human brain during the early stages of embryogenesis] Ivanshina AZ. **Zh Nevropatol Psikhiatr** 76(7):983–9, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Ultracytochemistry of the synaptic ribbons in the rat pineal organ. Krstic R. **Cell Tissue Res** 166(1):135–43, 6 Feb 76
A quantitative analysis of boutons with different types of synapse in normal and injured hypoglossal nuclei. Sumner BE. **Exp Neurol** 49(2):406–17, Nov 75

ANATOMY & HISTOLOGY

[Synaptic organization of the vestibular nucleus in the medulla oblongata of the frog Rana temporaria] Adanina VO. **Zh Evol Biokhim Fiziol** 11(3):323–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Effects of La+++, Mn++ and ruthenium red on Mg-Ca-ATPase activity and ATP-dependent Ca-binding of the synaptic plasma membrane. Ichida S, et al. **Jpn J Pharmacol** (1):39–43, Feb 76

DRUG EFFECTS

On the actions of compounds related to dopamine at a neurosecretory synapse. Ginsborg BL, et al. **Br J Pharmacol** 57(1):133–40, May 76
Proceedings:Pre- and postsynaptic actions of neuroleptic drugs. Iversen LL, et al. **Br J Pharmacol** 55(2):297P–298P, Oct 75
CNS depressants: effects on post-synaptic pharmacology. Barker JL. **Brain Res** 92(1):35–55, 4 Jul 75
Divalent cations: effects on post-synaptic pharmacology of invertebrate synapses. Barker JL. **Brain Res** 92(2):307–23, 11 Jul 75
Action of LSD on raphe neurons and effect on presumed serotonergic raphe synapses. Couch JR. **Brain Res** 110(2):417–24, 9 Jul 76
Presynaptic inhibition of the monosynaptic reflex produced by injections of nicotine or eserine in the spinal cat. Engelhardt JK, et al. **Exp Neurol** 50(3):786–97, Mar 76
Ultrastructural and biochemical changes induced in synapses by phenamine (amphetamine). Manina AA, et al. **Folia Morphol (Praha)** 23(4):330–5, 1975
Antipsychotic drugs and catecholamine synapses. Summary of the session. pp. 97–106. Andén NE. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.**
Antipsychotic drugs and catecholamine synapses. pp. 57–64. Carlsson A. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.**
Amino acid sequence of a presynaptic neurotoxin from the venom of Notechis scutatus scutatus (Australian tiger

snake). Halpert J, et al. **J Biol Chem** 250(17):6990–7, 10 Sep 75

Effects of pressure and anesthetics on conduction and synaptic transmission. Kendig JJ, et al. **J Pharmacol Exp Ther** 195(2):216–24, Nov 75

An analysis of the subsynaptic site of action of theophylline on isolated cat tenuissimus muscle. Shinnick-Gallagher P, et al. **J Pharmacol Exp Ther** 197(3):647–52, Jun 76

The actions of volatile anaesthetics on synaptic transmission in the dentate gyrus. Richards CD, et al. **J Physiol (Lond)** 252(1):241–57, Oct 75

Prolongation of hippocampal inhibitory postsynaptic potentials by barbiturates. Nicoll RA, et al. **Nature** 258(5536):625–7, 18 Dec 75

Effect of nerve growth factor on synaptic depression after axotomy. Purves D, et al. **Nature** 260(5551):535–6, 8 Apr 76

Increased membrane fluidity implicated in acceleration of decay of post-tetanic potentiation by alcohols. Woodson PB, et al. **Nature** 260(5554):797–9, 29 Apr 76

Relative pre- and postsynaptic potencies of alpha-adrenoceptor agonists in the rabbit pulmonary artery. Starke K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(1):55–78, 3 Nov 75

Actions of ketamine on synaptic transmission in frog sympathetic ganglia. Gallagher JP, et al. **Neuropharmacology** 15(2):139–43, Feb 76

beta-Bungarotoxin, a pre-synaptic toxin with enzymatic activity. Strong PN, et al. **Proc Natl Acad Sci USA** 73(1):178–82, Jan 76

Facilitation of synaptic transmission by thiazides and congeners. Montoya G, et al. **Proc West Pharmacol Soc** 18:212–6, 1975

Possible actions of opiates upon synapses. Eidelberg E. **Prog Neurobiol** 3(2):81–102, 1976 (188 ref.)

Botulinum toxin: mechanism of presynaptic blockade. Kao I, et al. **Science** 193(4259):1256–8, 24 Sep 76

Sustained tolerance to a specific effect of ethanol on posttetanic potentiation in Aplysia. Traynor ME, et al. **Science** 193(4252):510–11, 6 Aug 76

Isolation of a neurotoxin with A presynaptic action from the venom of the black widow spider (Latrodectus mactans, Fabr.). Ornberg RL, et al. **Toxicon** 14(4):329–33, 1976

[The effect of 4-aminopyridine of the synaptic activity in the last abdominal ganglion of the cockroach (Periplaneta americana)] Hue B, et al. **C R Soc Biol (Paris)** 169(4):876–83, 1975 (Eng. Abstr.) **(Fre)**

[The effect of amphetamine stereoisomers on the function of dopamine synapses in vitro] Berner VP, et al. **Wien Med Wochenschr** 125(21):338–40, 23 May 75 **(Ger)**

[Character of the change in extrasynaptic sensitivity to acetylcholine in different functional muscle fibers of the rat in early ontogeny] Balezina OP, et al. **Biol Nauki** (7):28–32, 1975 **(Rus)**

[Presynaptic action of the organophosphorus cholinesterase inhibitor armin on the neuromuscular synapse of the frog sartorius muscle] Skliarov AI. **Dokl Akad Nauk SSSR** 225(2):454–6, 11 Nov 75 **(Rus)**

[Intravital observations of the nerve cells of frog heart intramural ganglia during their exposure to several synaptically active substances] Storch MM. **Fiziol Zh** 20(6):789–93, Nov-Dec 74 (Eng. Abstr.) **(Ukr)**

ENZYMOLOGY

An ESR study of the influence of some physico-chemical factors on the conformation of a postsynaptic acetylcholinesterase. Sentjurc M, et al. **Biochim Biophys Acta** 429(2):421–8, 8 Apr 76

Localization in the synaptic junction of the cyclic AMP stimulated intrinsic protein kinase activity of synaptosomal plasma membranes. Weller M, et al. **Biochim Biophys Acta** 433(1):223–7, 16 Apr 76

Effects of axotomy on the trans-synaptic regulation of enzyme activity in adult rat superior cervical ganglia. Hendry IA. **Brain Res** 107(1):105–16, 30 Apr 76

Cytochemical localization of cholinesterase activity at the giant synapse of the squid. Brzin M, et al. **Histochemistry** 43(4):305–11, 9 Jun 75

Trans-synaptic induction of tyrosine hydroxylase in superior cervical ganglia: participation of postsynaptic and steroid receptors. pp. 175–82. Hanbauer I, et al. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.** (18 ref.)

Synaptochemistry of acetylcholine metabolism in a cholinergic neuron. Csillik B. **Int Rev Neurobiol** 18:69–140, 1975 (291 ref.)

[Synaptic ATPases and the secretion of mediators] Glebov RN, et al. **Usp Fiziol Nauk** 6(4):3–33, Oct-Dec 75 (203 ref.) **(Rus)**

[Cholinesterase system at the neuromuscular sinapsis level and its relation with neural trophism] Kotsias BA, et al. **Medicina (B Aires)** 35(3):310–37, May-Jun 75 (280 ref.) **(Spa)**

IMMUNOLOGY

The nature and role of anti-myelin and 'anti-synaptic' immune responses in multiple sclerosis and experimental allergic encephalomyelitis. pp. 65–79. Lumsden CE. **In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974.**

METABOLISM

On the functional role of pre- and postsynaptic catecholamine receptors in brain. Strömbom U. **Acta Physiol Scand [Suppl]** 431:1–43, 1975

Gangliosides and proteins of brain synaptic components. Burton RM. **Adv Exp Med Biol** 71:123–36, 1976

The effect of phospholipases and proteases on the binding of gamma-aminobutyric acid to junctional complexes of rat cerebellum. Giambalvo CT, et al. **Biochim Biophys Acta** 436(4):741–56, 15 Jul 76

Transneuronal transport of tritiated fucose and proline in the visual pathways of tree shrew Tupaia glis. Casagrande VA, et al. **Brain Res** 96(2):367–72, 17 Oct 75

Transjunctional flux of radioactive precursors across electrotonic synapses between lateral giant axons of the crayfish. Hermann A, et al. **Brain Res** 95(1):125–31, 12 Sep 75

Some properties of the transmitter release mechanism at the rat ganglionic synapse during potassium stimulation. Sacchi O, et al. **Brain Res** 107(2):275–89, 7 May 76

Electron microscopic evidence for a transsynaptic migration of tetanus toxin in spinal cord motoneurons: an autoradiographic and morphometric study. Schwab ME, et al. **Brain Res** 105(2):213–27, 26 Mar 76

Presynaptic and postsynaptic roles of cyclic AMP and protein phosphorylation at catecholaminergic synapses. pp. 249–56. Greengard P. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.**

Biochemical dissection of the cerebellum--functional properties of the 'glomerulus particles'. pp. 427–36. Wilson JE, et al. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.**

Glycine-specific synapses in rat spinal cord. Identification by electron microscope autoradiography. Price DL, et al. **J Cell Biol** 68(2):389–95, Feb 76

Trans-synaptic regulation of the synthesis of specific neuronal proteins. Thoenen H. **J Neural Transm** Suppl 12:127–36, 1975

Quantum hypothesis of synaptic transmission. Wernig A. **J Neural Transm** Suppl 12:61–74, 1975

The biochemistry of cholinergic synapses as exemplified by the electric organ of Torpedo. Whittaker VP, et al. **J Neural Transm** Suppl 12:39–60, 1975

Immunohistochemical demonstration of tubulin associated with microtubules and synaptic junctions in mammalian brain. Matus AI, et al. **J Neurocytol** 4(6):733–44, Dec 75

Stimulation-dependent release of 3H-adenosine derivatives from central axon terminals to target neurones. Schubert P, et al. **Nature** 260(5551):541–2, 8 Apr 76

The neurobiology of lithium. III. Physical chemistry and transport. Channels and ion transport in axons and synapses. Hille B. **Neurosci Res Program Bull** 14(2):161–4, Apr 76

Regulation of transsynaptically elicited increase of 3':5'-cyclic AMP by endogenous phosphodiesterase activator. Gnegy ME, et al. **Proc Natl Acad Sci USA** 73(2):352–5, Feb 76

Structure activity relationships for agonist and antagonist drugs at pre- and postsynaptic receptor sites in rat brain. Iversen LL, et al. **Psychopharmacol Bull** 11(4):14, Oct 75

[Potassium theory of pre-synaptic inhibition] Vyklický L, et al. **Cesk Fysiol** 24(4):371–5, 1975 **(Cze)**

[Changes in the protein composition of the synaptic structures of the brain of rats in tetanus intoxication] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 79(4):19–22, Apr 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Synapse formation in retinoblastoma tumours. Dickson DH, et al. **Br J Ophthalmol** 60(5):371–5, May 76

PHYSIOLOGY

Neurobiologocal mechanisms of presynaptic metabolic adaptation and their organization: implications for a pathophysiology of the affective disorders. Mandell AJ. **Adv Biochem Psychopharmacol** 13:1–32, 1975

Functional properties of postjunctional membrane. Magazanik LG. **Annu Rev Pharmacol Toxicol** 16:161–75, 1976 (122 ref.)

Identification of synaptic interactions. Brillinger DR, et al. **Biol Cybern** 22(4):213–28, 17 May 76

A neuron model with pre-synaptic deletion and post-synaptic accumulation, decay, and threshold behaviour. Srinivasan SK, et al. **Biol Cybern** 19(2):69–74, 8 Aug 75

Estimation of parameters for a model of transmitter release at synapses. Robinson J. **Biometrics** 32(1):61–8, Mar 76

Axon voltage-clamp simulations. III. Postsynaptic region. Joyner RW, et al. **Biophys J** 15(1):37–54, Jan 75

Synaptic transmission in squid giant synapse after potassium conductance blockage with external 3- and 4-aminopyridine. Llinás R, et al. **Biophys J** 16(1):83–6, Jan 76

A comment on Martin's relation. Stevens CF. **Biophys J** 16(8):891–5, Aug 76

Synaptic inputs to Retzius' cells in the leech. Bagnoli P, et al. **Brain Res** 96(1):147–52, 10 Oct 75

Criteria for distinguishing between monosynaptic and polysynaptic transmission. Berry MS, et al. **Brain Res** 105(1):1–20, 19 Mar 76 (137 ref.)

Trans-synaptic regulation of the development of end organ innervation by sympathetic neurons. Black IB, et al. **Brain Res** 101(3):503–21, 23 Jan 76

The interaction of nerve growth factor and trans-synaptic regulation in the development of target organ innervation by sympathetic neurons. Black IB, et al. **Brain Res** 108(1):199–204, 21 May 76

Intracellular study of synaptic events related to phase-locking responses of cat cochlear nucleus cells to low frequency tones. Britt RH. **Brain Res** 112(2):313–27, 13 Aug 76

A network of synaptic relations in the buccal ganglia of Aplysia. Fiore L, et al. **Brain Res** 92(2):336–40, 11 Jul 75

The effect of synaptic activation on the extracellular potassium concentration in the hippocampal dentate area, in vitro. Fritz LC, et al. **Brain Res** 112(1):183–7, 6 Aug 76

Synaptic input from the pontine reticular nuclei to absucens motoneurons and internuclear neurons in the cat. Highstein SM, et al. **Brain Res** 112(1):162–7, 6 Aug 76

Transmission of corticospinal IPSPs to cat forelimb motoneurones via high cervical propriospinal neurones and La inhibitory interneurones. Illert M, et al. **Brain Res** 103(1):143–6, 13 Feb 76

Inputs from the posterior lateral line nerves upon the goldfish Mauthner cell. I. Properties and synaptic localization of the excitatory component. Korn H, et al. **Brain Res** 96(2):342–8, 17 Oct 75

Physiological properties of the newly formed cortico-rubral synapses of red nucleus neurons due to collateral sprouting. Murakami F, et al. **Brain Res** 103(1):147–51, 13 Feb 76

A quantitative comparison of the formation of synapses in the rat superior cervical sympathetic ganglion by its own and by foreign nerve fibres. Ostberg AJ, et al. **Brain Res** 107(3):445–70, 14 May 76

Presynaptic inhibition: detection through statistical analsis of impulse trains. Perkel DH. **Brain Res** 96(2):330–6, 17 Oct 75

Evidence for an accumbens-pallidal pathway in the rat and its possible gabaminergic control. Pycock C, et al. **Brain Res** 110(3):629–34, 16 Jul 76

An electrotonically coupled pathway in the central nervous system of some teleost fish, Gymnotidae and Mormyridae. Szabo T, et al. **Brain Res** 95(2-3):459–74, 23 Sep 75

Physiological evidence of formation of new synapses from cerebrum in the red nucleus neurons following cross-union of forelimb nerves. Tsukahara N, et al. **Brain Res** 106(1):184–8, 16 Apr 76

Neurophysiological predictions of a two-pathway informon theory of neural conditioning. Uttley AM. **Brain Res** 102(1):55–70, 30 Jan 76

Cyclic nucleotides, protein phosphorylation and synaptic function. Beam KG, et al. **Cold Spring Harbor Symp Quant Biol** 40:157–68, 1975 (63 ref.)

The formation of neuromuscular synapses. Bennett MR, et al. **Cold Spring Harbor Symp Quant Biol** 40:409–24, 1975

Stimulation-induced depletion of vesicles, fatigue of transmission and recovery processes at a vertebrate central synapse. Bennett MV, et al. **Cold Spring Harbor Symp Quant Biol** 40:25–35, 1975

Synaptic competition in the kitten's visual cortex. Blakemore C, et al. **Cold Spring Harbor Symp Quant Biol** 40:601–9, 1975

Formation and elimination of synapses in skeletal muscles of rat. Jansen JK, et al. **Cold Spring Harbor Symp Quant Biol** 40:425–34, 1975

A common presynaptic locus for the synaptic changes underlying short-term habituation and sensitization of the gill-withdrawal reflex in Aplysia. Kandel ER, et al. **Cold Spring Harbor Symp Quant Biol** 40:465–82, 1975

Synaptic transmission from photoreceptors to bipolar and horizontal cells in the carp retina. Kaneko A, et al. **Cold Spring Harbor Symp Quant Biol** 40:537–46, 1975

Synapse formation and neurotrophic effects on muscle cell lines. Kidokoro Y, et al. **Cold Spring Harbor Symp Quant Biol** 40:373–88, 1975

Modification and regeneration of synaptic connections in cultured leech ganglia. Miyazaki S, et al. **Cold Spring Harbor Symp Quant Biol** 40:483–93, 1975

Central nervous system synapses in cell culture. Nelson PG. **Cold Spring Harbor Symp Quant Biol** 40:359–71, 1975

Physiological and morphological studies on developing sympathetic neurons in dissociated cell culture. O'Lague PH, et al. **Cold Spring Harbor Symp Quant Biol** 40:399–407, 1975

Synaptic specificity in the cerebellar cortex: study of anomalous circuits induced by single gene mutations in mice. Rakic P. **Cold Spring Harbor Symp Quant Biol** 40:333–46, 1975

Synaptic organization and acetylcholine sensitivity of multiply innervated autonomic ganglion cells. Roper S, et al. **Cold Spring Harbor Symp Quant Biol** 40:283–95, 1975

Molecular basis for postjunctional conductance increases induced by acetylcholine. Stevens CF. **Cold Spring Harbor Symp Quant Biol** 40:169–73, 1975

Repair of specific neuronal pathways in the leech. Van Essen D, et al. **Cold Spring Harbor Symp Quant Biol** 40:495–502, 1975

The suppression of excitatory synaptic responses by ethyl alcohol in the nudibranch mollusca, Tritonia diomedia. Chase R. **Comp Biochem Physiol [C]** 50(1):37–40, 1 Jan 75

Action of kainic acid on a glutamatergic synapse. Daoud

A, et al. **Comp Biochem Physiol [C]** 52(1):51–3, 1 Oct 75

The pre- and post-synaptic actions of 5HT in Crustacea. Wheal HV, et al. **Comp Biochem Physiol [C]** 54(2):67–70, 1976

Rôle of axonal transport in maintaining central synaptic connections. Cull RE. **Exp Brain Res** 24(1):97–101, 28 Nov 75

Electrophysiological properties of nucleus reticularis tegmenti pontis cells: antidromic and synaptic activation. Kitai ST, et al. **Exp Brain Res** 24:295–309, 26 Jan 76

Neuronal recognition and synaptogenesis. Appel SH. **Exp Neurol** 48(3 pt. 2):52–74, Sep 75

Effects of Haemophilus influenzae meningitis in infant rats on neuronal growth and synaptogenesis. Averill DR Jr, et al. **Exp Neurol** 50(2):337–45, Feb 76

A neurophysiological analysis of the development of cortico-caudate connections in the cat. Lidsky TI, et al. **Exp Neurol** 50(2):283–92, Feb 76

Neurotransmitters and synaptic transmission. Agranoff BW. **Fed Proc** 34(10):1911–14, Sep 75 (45 ref.)

Cyclic 3',5'-adenosine monophosphate dependent molecular mechanisms in the trans-synaptic induction of tyrosine hydroxylase in rat adrenal medulla. pp. 283–92. Costa E, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Cyclic nucleotides and trans-synaptic enzyme induction: lack of correlation between initial cAMP increase, changes in cAMP/cGMP ratio and subsequent induction of tyrosine hydroxylase in the adrenal medulla. pp. 275–82. Thoenen H, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Cyclic AMP and protein phosphorylation in the central nervous system in relation to synaptic function. pp. 205–28. Rodnight R.
In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m. (101 ref.)

Amino acid transmitters: pharmacological and electrophysiological aspects. pp. 213–31. Straughan DW.
In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975. (80 ref.)

Serial studies of sick motoneurons: the silent synapses. pp. 84–90. McComas AJ, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

Electrophysiological and pharmacological properties of synaptic processes in smooth muscle cells of stomach. pp. 287–94. Vladimirova IA.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

Presynaptic regulatory mechanisms for noradrenaline release by nerve stimulation. pp. 133–51. Langer SZ, et al.
In: Davies DS, Reid JL, ed. Central action of drugs in blood pressure regulation. Tunbridge Wells, Pitman Medical, 1975. QV 120 I61c 1975. (87 ref.)

Transmission at receptor synapses. pp. 345–66. Bennett MV.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Repetitive stimulation, fatigue and recovery of the Mauthner fiber--giant fiber synapse of hatchetfish. pp. 123–36. Highstein SM, et al.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Functional development of intrathalamic and reticulothalamic synaptic pathways. pp. 193–207. Purpura DP.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Some aspects of synaptic organizations in the spinocervical tract cell in the cat. pp. 218–26. Hongo T, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Are there modifiable synapses in the visual cortex? PP. 133–43. Cowan JD.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.

Synaptogenesis and the morphology of learning and memory. pp. 340–7. Moore RY.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974. (31 ref.)

The reaction of synaptogenesis in the central and peripheral nervous systems of the adult rat. pp. 348–51. Raisman G.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.

Synaptogenesis: Effects of synaptic use. pp. 329–39. Rutledge LT.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.

Supraspinal mechanisms on a spinal level. pp. 211–35. Kostyuk PG.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974. (85 ref.)

Dopamine beta-hydroxylase in organ culture of rat adrenal medulla: synthesis, storage, release and trans-synaptic induction. pp. 305–12. Gagnon C, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Synaptic remodeling in mutants and experimental animals. pp. 167–90. Sotelo C.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

Fate of ganglionic synapses and ganglion cell axons during normal and induced cell death. Landmesser L, et al. **J Cell Biol** 68(2):357–74, Feb 76

Early formation of synapses in the molecular layer of the fetal rat cerebellum. West MJ, et al. **J Comp Neurol** 165(2):137–53, 15 Jan 76

Problems associated with the use of tetraethylammonium to test for monosynaptic connexions. Berry MS, et al. **J Exp Biol** 62(3):797–803, Jun 75

Synaptic organization and ionic basis of on and off channels in mudpuppy retina. II. Chloride-dependent ganglion cell mechanisms. Miller RF, et al. **J Gen Physiol** 67(6):661–78, Jun 76

Relative strength of synaptic input from short-latency pathways to motor units of defined type in cat medial gastrocnemius. Burke RE, et al. **J Neurophysiol** 39(3):447–58, May 76

Morphological correlates of synaptic transmission in lamprey spinal cord. Christensen BN. **J Neurophysiol** 39(2):197–212, Mar 76

Reversal properties of climbing fiber potential in cat Purkinje cells: an example of a distributed synapse. Llinás R, et al. **J Neurophysiol** 39(2):311–23, Mar 76

Brachium conjunctivum-red nucleus synaptic system in the baboon. Huffman RD, et al. **J Neurosci Res** 2(2):117–32, 1976

Synaptic mechanisms in the substantia nigra. Dray A, et al. **J Pharm Pharmacol** 28(4 SUPPL):400–5, Apr 76

Effect of synaptic transmission blockade on morphine action in the guinea-pig myenteric plexus. Dingledine R, et al. **J Pharmacol Exp Ther** 196(1):97–106, Jan 76

The formation of synapses in amphibian striated muscle during development. Bennett MR, et al. **J Physiol (Lond)** 252(1):203–39, Oct 75

Proceedings: Synaptic connexions of serotonin-containing neurones in Planorbis corneus. Berry MS, et al. **J Physiol (Lond)** 251(1):2P–3P, Sep 75

The formation of synapses between chick embryo skeletal muscle and ciliary ganglia grown in vitro. Betz W. **J Physiol (Lond)** 254(1):63–73, Jan 76

Functional and non-functional contacts between ciliary neurones and muscle grown in vitro. Betz W. **J Physiol (Lond)** 254(1):75–86, Jan 76

Induction of cholinergic enzymes in chick ciliary ganglion and iris muscle cells during synapse formation. Chiappinelli V, et al. **J Physiol (Lond)** 257(3):749–66, Jun 76

Synaptic transmission in parasympathetic ganglia in the urinary bladder of the cat. DeGroat WC, et al. **J Physiol (Lond)** 256(1):137–58, Mar 76

Interaction between inhibitory and excitatory synaptic potentials at a peripheral neurone. Edwards FR, et al. **J Physiol (Lond)** 259(3):647–63, Aug 76

Statistical fluctuations in charge transfer at Ia synapses on spinal motoneurones. Edwards FR, et al. **J Physiol (Lond)** 259(3):665–88, Aug 76

Non-quantal fluctuations and transmission failures in charge transfer at Ia synapses on spinal motoneurones. Edwards FR, et al. **J Physiol (Lond)** 259(3):689–704, Aug 76

Short-axon cells in the olfactory bulb: dendrodendritic synaptic interactions. Getchell TV, et al. **J Physiol (Lond)** 251(2):523–48, Oct 75

Synaptic actions on mitral and tufted cells elicited by olfactory nerve volleys in the rabbit. Getchell TV, et al. **J Physiol (Lond)** 251(2):497–522, Oct 75

Post-synaptic potentiation: interaction between quanta of acetylcholine at the skeletal neuromuscular synapse. Hartzell HC, et al. **J Physiol (Lond)** 251(2):427–63, Oct 75

Synaptic depression related to presynaptic axon conduction block. Hait H, et al. **J Physiol (Lond)** 259(2):367–93, Jul 76

Synaptic potentials recorded from neurones of the submucous plexus of guinea-pig small intestine. Hirst GD, et al. **J Physiol (Lond)** 249(2):369–85, Jul 75

Re-innervation of rat skeleton muscle in the presence of alpha-bungarotoxin. Jansen JK, et al. **J Physiol (Lond)** 250(3):651–67, Sep 75

Effects of external ions on the synaptic transmission from photoreceptors to horizontal cells in the carp retina. Kaneko A, et al. **J Physiol (Lond)** 252(2):509–22, Nov 75

The number of transmitter molecules in a quantum: an estimate from iontophoretic application of acetylcholine at the neuromuscular synapse. Kuffler SW, et al. **J Physiol (Lond)** 251(2):465–82, Oct 75

The effect of temperature on desensitization kinetics at the post-synaptic membrane of the frog muscle fibre. Magazanik LG, et al. **J Physiol (Lond)** 249(2):285–300, Jul 75

Long term changes in augmentation, potentiation, and depression of transmitter release as a function of repeated synaptic activity at the frog neuromuscular junction. Magleby KL, et al. **J Physiol (Lond)** 257(2):471–94, May 76

Centrifugal actions on amacrine and ganglion cells in the retina of the turtle. Marchiafava PL. **J Physiol (Lond)** 255(1):137–55, Feb 76

Synaptic transfer at a vertebrate central nervous system synapse. Martin AR, et al. **J Physiol (Lond)** 251(2):409–26, Oct 75

Analysis of pairs of individual Ia-E.P.S.P.S in single motoneurones. Mendell LM, et al. **J Physiol (Lond)** 255(1):81–104, Feb 76

Alterations of synapses on axotomized motoneurones. Mendell LM, et al. **J Physiol (Lond)** 255(1):67–79, Feb 76

Functional and structural changes in mammalian sympathetic neurones following interruption of their axons. Purves D. **J Physiol (Lond)** 252(2):429–63, Nov 75

Localization and electrical characteristics of a giant synapse in the spinal cord of the lamprey. Ringham GL. **J Physiol (Lond)** 251(2):395–407, Oct 75

Proceedings: Synaptic transmission of the superior colliculus during eye movements in cats. Hayashi Y, et al. **J Physiol Soc Jpn** 36(8–9):302–3, 1 Sep 74

Proceedings: Afferent synaptic transmission in the electric receptor organ of Teleost. Higuchi T, et al. **J Physiol Soc Jpn** 36(8–9):309–10, 1 Sep 74

Lesion-induced synaptogenesis in brain: a study of dynamic changes in neuronal membrane specializations. Cotman CW. **J Supramol Struct** 4(3):319–27, 1976

The effect of membrane capacitance on non-linear summation of synaptic potentials. Martin AR. **J Theor Biol** 59(1):179–87, Jun 76

Synaptic organization in teleost spinal motoneurons. Bando T. **Jpn J Physiol** 25(3):317–31, 1975

Turnover rate of tyrosine hydroxylase during Trans-synaptic induction. Chuang D, et al. **Mol Pharmacol** 11(6):784–94, Nov 75

Comparison of the effects of neuroleptic drugs on pre- and postsynaptic dopaminergic mechanisms in the rat striatum. Iversen LL, et al. **Mol Pharmacol** 12(2):251–62, Mar 76

Sprouting of synapses after partial denervation of frag cardic ganglion. Courtney K, et al. **Nature** 259(5541):317–9, 29 Jan 76

Possible biochemical explanation for specific reformation of synapses between muscle and regenerating motoneurones in cockroach. Denburg JL. **Nature** 258(5535):535–7, 11 Dec 75

Possible role for cyclic nucleotides and phosphorylated membrane proteins in postsynaptic actions of neurotransmitters. Greengard P. **Nature** 260(5547):101–8, 11 Mar 76 (113 ref.)

Synaptic coupling into the production and storage of a neuronal memory trace. Libet B, et al. **Nature** 258(5531):155–7, 13 Nov 75

Sprouting and regeneration of synaptic terminals in the frog cardiac ganglion. Roper S. **Nature** 261(5556):148–9, 13 May 76

Synaptic transmission and effects of temperature at the squid giant synapse. Weight FF, et al. **Nature** 261(5562):720–2, 24 Jun 76

Neuronal activity in the lateral vestibular necleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. Bruggencate G ten, et al. **Pfluegers Arch** 360(4):301–20, 28 Nov 75

Electrophysiological properties of basal ganglia synaptic relationship. Purpura DP. **Pharmacol Ther [B]** 1(1):17–38, 1975

Acetylcholine receptors at neuromuscular synapses: phylogenetic differences detected by snake alpha-neurotoxins. Burden SJ, et al. **Proc Natl Acad Sci USA** 72(8):3245–9, Aug 75

Presynaptic calcium currents and their relation to synaptic transmission: voltage clamp study in squid giant synapse and theoretical model for the calcium gate. Llinás R, et al. **Proc Natl Acad Sci USA** 73(8):2913–22, Aug 76

Formation of cholinergic synapses between dissociated sympathetic neurons and skeletal myotubes of the rat in cell culture. Nurse CA, et al. **Proc Natl Acad Sci USA** 72(5):1955–9, May 75

Integrative and organizational aspects of synaptic function in molluscs. Mellon D Jr. **Prog Neurobiol** 3:163–89, 1975 (124 ref.)

Evidence for drug actions on both pre- and postsynaptic catecholamine receptors in the CNS. Bunney BS, et al. **Psychopharmacol Bull** 11(4):8–10, Oct 75

Behavioural sequelae of dopaminergic degeneration: postsynaptic supersensitivity? Creese I, et al. **Psychopharmacol Bull** 11(4):12–3, Oct 75

The role of cyclic nucleotides in central synaptic function. Bloom FE. **Rev Physiol Biochem Pharmacol** 74:1–103, 1975 (549 ref.)

Problems of postsynaptic autogenous and recurrent inhibition in the mammalian spinal cord. Haase J, et al. **Rev Physiol Biochem Pharmacol** 73:73–129, 1975 (306 ref.)

Two functional effects of decreased conductance EPSP's: synaptic augmentation and increased electrotonic coupling. Carew TJ, et al. **Science** 192(4235):150–3, 9 Apr 76

Transplanted neural tissue develops connections with host rat brain. Lund RD, et al. **Science** 193(4253):582–4, 13 Aug 76

Modulation of synaptic transmitter release by repetitive postsynaptic action potentials. Weight FF, et al. **Science** 193(4257):1023–5, 10Sep 76

Reciprocal synapses in the crista ampullaris: a possible mechanism for hair cell interaction. Dunn RF. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):188–9, Mar–Apr 76

[Maturation of interhippocampal responses. Report and localization of inhibitory and excitatory synapses in the horn of Ammon of the young rabbit] Thomson MA. **Electroencephalogr Clin Neurophysiol** 39(6):599–608, Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Sensitivity of transmitter substances and synaptic formation in cultured neurons] Kobata K. **J Physiol Soc Jpn** 36(8–9):340, 1 Sep 74 **(Jpn)**

[Proceedings: Adaptation of synaptic transmission between hair–cells and the 8th nerve] Matsuura S, et al. **J Physiol Soc Jpn** 36(8–9):340, 1 Sep 74 **(Jpn)**

[Proceedings: Nucleus of solitary tract: post–synaptic potentials evoked by stimulation of the carotid nerve] Miura M. **J Physiol Soc Jpn** 36(8–9):291, 1 Sep 74 **(Jpn)**

[Proceedings: Plasticity of synapses of the red nucleus] Tsukahara N, et al. **J Physiol Soc Jpn** 36(8–9):276, 1 Sep 74 **(Jpn)**

[Synaptic transmission and its inhibition] Fukuda H, et al. **Jpn J Clin Med** 33(10):2985–90, Oct 75 **(Jpn)**

[Method of evaluating the synaptic input to a single mesencephalic neuron] Losev IS, et al. **Biofizika** 20(5):901–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Regulation in the presynaptic inhibition chains] Korogod SM. **Biol Nauki** (7):20–7, 1975 **(Rus)**

[Characteristics of the synaptic structure and of the parameters of the electrically excited muscle fiber membrane of fetal and newborn rabbits] Nemets MG, et al. **Biull Eksp Biol Med** 80(8):15–8, Aug 75 (Eng. Abstr.) **(Rus)**

[Existence of a potassium functional feedback in neuromuscular synapses] Matiushkin DP, et al. **Dokl Akad Nauk SSSR** 224(6):1464–7, 21 Oct 75 **(Rus)**

[Ionic mechanisms of stimulating the postsynaptic membrane of invertebrate central nervous system neurons] Shapovalov AI, et al. **Dokl Akad Nauk SSSR** 225(2):477–9, 11 Nov 75 **(Rus)**

[Differing sensitivity of synaptic inputs to amphibian motoneurons to calcium and magnesium ion deficiencies] Velumian AA, et al. **Dokl Akad Nauk SSSR** 225(2):466–9, 11 Nov 75 **(Rus)**

[The influence of synaptic processes on changes in neuronal structure] Darinskiĭ IuA, et al. **Fiziol Zh SSSR** 62(5):673–80, May 76 (Eng. Abstr.) **(Rus)**

[Monoaminergic inhibitory synapses in the central pathways for the regulation of movements] Arushanian EB. **Usp Fiziol Nauk** 6(4):100–23, Oct–Dec 75 (241 ref.) **(Rus)**

PHYSIOPATHOLOGY

Anti–synaptic antibody in allergic encephalomyelitis. II. The synapse–blocking effects in tissue culture of demyelinating sera from experimental allergic encephalomyelitis. Lumsden CE, et al. **Brain Res** 93(2):283–99, 8 Aug 75

SECRETION

The origin and some possible mechanisms of the release of acetylcholine at synapses. pp. 609–19. Marchbanks RM.

In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m. (63 ref.)

[Chemical structural model of acetylcholine release through electrical impulse] Wittmann J, et al. **Naturwissenschaften** 62(7):344–5, Jul 75 **(Ger)**

ULTRASTRUCTURE

Ultrastructure of symmetric interneuronal junctions after staining with ethanolic phosphotungstic acid. Brückner G, et al. **Acta Histochem (Jena)** 54(2):241–6, 1975

The structure of synapses 'en plaque' /EP/ in the striated muscles of the tongue of vertebrates. Bigaj J. **Ann Med Sect Pol Acad Sci** 21(1–2):21–2, 1976

Some electron microscope findings of the claustrum of the cat. Norita M, et al. **Arch Histol Jpn** 39(1):33–49, Mar 76

Catecholaminergic axo–axonic synapses in the nucleus of the tractus solitarius (pars commissuralis) of the cat: possible relation to presynaptic regulation of baroreceptor reflexes. Chiba T, et al. **Brain Res** 102(2):255–65, 6 Feb 76

Aberrant myelination of synapse. de Estable–Puig RF, et al. **Brain Res** 105(1):188–92, 19 Mar 76

Some effects of undernutrition on synaptic development — a quantitative ultrastructural study. Dyson SE, et al. **Brain Res** 114(3):365–78, 24 Sep 76

Abnormal synaptic connections of the optic tract in the thalamus after midbrain lesions in newborn hamsters. Kalil RE, et al. **Brain Res** 100(3):690–8, 26 Dec 75

Isolation of dendrodendritic synapses from swine olfactory bulbs. Kornguth S, et al. **Brain Res** 105(3):423–35, 9 Apr 76

Synapses in newborn rat cerebral cortex: a quantitative ultrastructural study. Kristt DA, et al. **Brain Res** 108(1):180–6, 21 May 76

Ultrastructural identification of noradrenergic boutons in mutant and normal mouse cerebellar cortex. Landis SC, et al. **Brain Res** 96(2):299–305, 17 Oct 75

A qualitative electron microscopic investigation of the anomalous corticofugal projections following neonatal lesions in the albino rats. Leong SK. **Brain Res** 107(1):1–8, 30 Apr 76

Synaptic boutons and neuron–like cells in isolated adrenal gland cultures. Manuelidis L, et al. **Brain Res** 96(1):181–6, 10 Oct 75

An electron microscope study of synaptic organization in the lateral reticular nucleus of the medulla oblongata in the cat. Mizuno N, et al. **Brain Res** 94(3):369–81, 5 Sep 75

An electron microscope study of synaptic terminals of the spino–olivary fibers in the cat. Mizuno N, et al. **Brain Res** 104(2):303–8, 12 Mar 76

Transsynaptic degeneration 'en cascade' in the cerebellar cortex of staggerer mutant mice. Sotelo C, et al. **Brain Res** 67(3):519–26, 8 Mar 74

Ultrastructure and synaptic contacts in barrels of mouse SI cortex. White EL. **Brain Res** 105(2):229–51, 26 Mar 76

Acetylcholinesterase and synapses in the nervous system of Phocanema decipiens (Nematoda): a histochemical and ultrastructural study. Goh SL, et al. **Can J Zool** 54(5):752–71, May 76

The morphological categorization of developing synaptic junctions. Dyson SE, et al. **Cell Tissue Res** 167(3):363–71, 2 Apr 76

Synaptology of the rat suprachiasmatic nucleus. Güldner FH. **Cell Tissue Res** 165(4):509–44, 28 Jan 76

The discrimination of nine different types of synaptic boutons in the fundus striati (Nucleus accumbens septi). Hassler R, et al. **Cell Tissue Res** 168(4):489–505, 26 May 76

A critical evaluation of the relationship between the presynaptic network, synaptic vesicles and dense projections in central synapses. Jones DG, et al. **Cell Tissue Res** 169(1):49–66, 11 Jun 76

Synaptic morphology of the carotid body of the domestic fowl. King AS, et al. **Cell Tissue Res** 162(4):459–73, 27 Oct 75

Ultrastructural and pharmacological studies on the afferent synapse of lateral–line sensory cells of the African clawed toad, Xenopus laevis. Monaghan P. **Cell Tissue Res** 163(2):239–47, 7 Nov 75

Synaptoid profiles in regenerating crustacean peripheral nerves. Nordlander RH, et al. **Cell Tissue Res** 166(4):445–60, 27 Feb 76

Nerve–ending specializations in the central ganglia of Planorbis corneus. Pentreath VW, et al. **Cell Tissue Res** 163(1):99–110, 17 Nov 75

Spatial distribution of synapses onto thoracic motor neurones in locusts. Tyrer NM, et al. **Cell Tissue Res** 166(3):389–98, 25 Feb 76

Cerebrospinal fluid–contacting neurons, ciliated perikarya and 'peptidergic' synapses in the magnocellular preoptic nucleus of teleostean fishes. Vigh–Teichmann I, et al. **Cell Tissue Res** 165(3):397–413, 27 Jan 76

Light and drug induced changes of epiphysial synaptic ribbons. Vollrath L, et al. **Cell Tissue Res** 165(3):383–90, 27 Jan 76

Preservation of synaptic structure by rapid freezing. Heuser JE, et al. **Cold Spring Harbor Symp Quant Biol** 40:17–24, 1975

A guide to the synaptic analysis of the neuropil. Palay SL, et al. **Cold Spring Harbor Symp Quant Biol** 40:1–16, 1975 (75 ref.)

Ultrastructural analysis of functional changes in the synaptic endings of turtle cone cells. Schaeffer SF, et al. **Cold Spring Harbor Symp Quant Biol** 40:521–28, 1975

Automatic recognition and analysis of synapses. Ungerleider JA, et al. **Comput Biol Med** 6(1):61–6, Jan 76

Synaptic arrays of the inner plexiform layer in the developing retina of Xenopus. Fisher LJ. **Dev Biol** 50(2):402–12, Jun 76

Synaptic junctions in undernourished rat brain —an ultrastructural investigation. Jones DG, et al. **Exp Neurol** 51(3):529–35, Jun 76

Incidence of tubular structures in the ventral horn synapses of the dog spinal cord. Badonič T, et al. **Folia Morphol (Praha)** 23(3):177–81, 1975

On the synapses in the ventral horns of the dog spinal cord. Badonič T, et al. **Folia Morphol (Praha)** 23(2):122–7, 1975

Electronmicroscopic analysis of E–PTA stained synaptic contacts of human cerebral cortex. Maršala J, et al. **Folia Morphol (Praha)** 23(4):375–9, 1975

A method for demonstration of synaptic densities in CNS. Ovtscharoff W. **Histochemistry** 45(1):61–3, 7 Sep 75

Pathologic axons and synapses in human neuropsychiatric disorders. Gonatas NK, et al. **Hum Pathol** 6(5):571–82, Sep 75 (57 ref.)

Some considerations of synaptic organization in the trigeminal sensory nuclei of the adult cat. pp. 96–107. Gobel S.

In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.

Morphological changes in the neuritic growth cone and target neuron during synaptic junction development in culture. Rees RP, et al. **J Cell Biol** 68(2):240–63, Feb 76

The facial motor nucleus of the opossum: synaptic endings on dendrites. Falls WM, et al. **J Comp Neurol** 167(2):205–26, 15 May 76

The facial motor nucleus of the opossum: cytology and axosomatic synapses. Falls WM, et al. **J Comp Neurol** 167(2):177–204, 15 May 76

Dendroaxonic synapses in the substantia gelatinosa glomeruli of the spinal trigeminal nucleus of the cat. Gobell S. **J Comp Neurol** 167(2):165–76, 15 May 76

Synapse formation in the mouse olfactory bulb. II. Morphogenesis. Hinds JW, et al. **J Comp Neurol** 169(1):41–61, 1 Sep 76

Synapse formation in the mouse olfactory bulb. I. Quantitative studies. Hinds JW, et al. **J Comp Neurol** 169(1):15–40, 1 Sep 76

The synaptic cluster (glomerulus) in the inferior olivary nucleus. King JS. **J Comp Neurol** 165(3):387–400, 1 Feb 76

Synapses in the interpeduncular nucleus: electron microscopy of normal and habenula lesioned rats. Lenn NJ. **J Comp Neurol** 166(1):77–99, 1 Mar 76

Morphological criteria for the differentiation of synapses in vertebrates. Andres KH. **J Neural Transm** Suppl 12:1–37, 1975

Synaptic development in the crayfish opener muscle. Atwood HL, et al. **J Neurobiol** 7(4):289–312, Jul 76

Ventral horn synaptology in the rat. Bernstein JJ, et al. **J Neurocytol** 5(1):109–23, Feb 76

The structural basis for electrotonic coupling in the avian ciliary ganglion. A study with thin sectioning and freeze–fracturing. Cantino D, et al. **J Neurocytol** 4(5):505–36, Oct 75

Microtubules in synapses of the retina. Gray EG. **J Neurocytol** 5(3):361–70, Jun 76

Staining methods for an electron microscopic analysis of Golgi impregnated nervous tissue and a demonstration of the synaptic distribution upon pulvinar neurons. Ito H, et al. **J Neurocytol** 5(3):297–317, Jun 76

Organization of crustacean neuropil. I. Patterns of synaptic connections in lobster stomatogastric ganglion. King DG. **J Neurocytol** 5(2):207–37, Apr 76

Organization of crustacean neuropil. II. Distribution of synaptic contacts on identified motor neurons in lobster stomatogastric ganglion. King DG. **J Neurocytol** 5(2):239–66, Apr 76

Morphological correlates of electrotonic coupling in the magnocellular mesencephalic nucleus of the weakly electric fish Gymnotus carapo. Sotelo C, et al. **J Neurocytol** 4(5):587–607, Oct 75

Electron microscopy of synaptic structures in olfactory cortex of early postnatal rats. Westrum LE. **J Neurocytol** 4(6):713–32, Dec 75

Proceedings: Nerve–terminal specializations in the central nervous system of Planorbis corneus. Berry MS, et al. **J Physiol (Lond)** 251(1):3P–4P, Sep 75

Visual identification of two kinds of nerve cells and their synaptic contacts in a living autonomic ganglion of the mudpuppy (Necturus maculosus). McMahan UJ, et al. **J Physiol (Lond)** 254(2):405–25, Jan 76

Decrease in the number of synapses in the senescent brain: a quantitative electron microscopic analysis of the dentate gyrus molecular layer in the rat. Genisman Y, et al. **Mech Ageing Dev** 5(1):11–23, Jan–Feb 76

Neurosecretory axo–axonic synapses in the median eminence of the turtle, Geoclemys reevesii. Tsuneki K. **Neuroendocrinology** 20(1):59–67, 1976

Receptor synapses without synaptic ribbons in the cochlea of the cat. Dunn RA, et al. **Proc Natl Acad Sci USA** 72(9):3599–603, Sep 75

Presynaptic microtubules and their association with synaptic vesicles. Gray EG. **Proc R Soc Lond [Biol]** 190(1100):367–72, 19 Aug 75

Synaptic ultraarchitecture of the anterior thalamic nuclei. Somogyi G, et al. **Verh Anat Ges** 69:531–5, 1975

Fine structure of retinal synaptic organelles in lamprey and hagfish photoreceptors. Holmberg K, et al. **Vision Res** 16(3):237–9, 1976

[The ultrastructure of Electrophorus electricus spinal electromotoneurons, with or without acetylcholinesterase activity] Tsuji S. **C R Acad Sci [D] (Paris)** 280(6):737–9, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Electron microscopy studies on the synaptic organization of the trochlear nucleus in the cat] Choi WB, et al. **Verh Anat Ges** 68:363–6, 1974 **(Ger)**

[6 different types of synapses in electron microscopy transverse sections of substantia nigra in the rat] Hassler R, et al. **Verh Anat Ges** 68:315–8, 1974 **(Ger)**

'Synaptic ribbons' in the pineal body of the rat. (Preliminary report)] Krstić R. **Verh Anat Ges** 69:443–6, 1975 (Eng. Abstr.) **(Ger)**

[Function of 'synaptic ribbons' in the mammalian pineal gland] Vollrath L. **Verh Anat Ges** 68:427–32, 1974 (Eng. Abstr.) **(Ger)**

[Influence of light and diurnal rhythm on 'ribbon–synapses' in the retina] Wagner HJ. **Verh Anat Ges** 69:651–8, 1975 (Eng. Abstr.) **(Ger)**

[Effect of visual deafferentiation on the ultrastructure of synapses of the rat visual cortex. Artiukhina NI. **Arkh Anat Gistol Embriol** 68(4):12–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Spatial interrelationships between the elements of the interneuronal synapses of cat cerebellar nuclei (electron microscopic studies of serial sections)] Botkin VP. **Arkh Anat Gistol Embriol** 69(12):15–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Synapsoarchitechtonics of the parietal and acoustic regions of the cerebral cortex of cats] Lazriev IL, et al. **Arkh Anat Gistol Embriol** 68(4):9–12, Apr 75 (Eng. Abstr.) **(Rus)**

[Ultrastructure of synapses in the nucleus of the trapezoid body of the bat] Petelina EV. **Arkh Anat Gistol Embriol** 68(5):14–8, May 75 (Eng. Abstr.) **(Rus)**

[Presynaptic dendrites and dendro-dendritic synapses in the superior tubercles of the rat quadrigeminum] Uranova NA. **Arkh Anat Gistol Embriol** 69(12):10-4, Dec 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural aspects of micropinocytosis in central nervous system synaptic endings] Kositsyn NS, et al. **Dokl Akad Nauk SSSR** 224(4):941-3, 1 Oct 75 **(Rus)**

[Postsynaptic specializations in the cat spinal cord] Skibo GG, et al. **Dokl Akad Nauk SSSR** 224(5):1230-2, 11 Oct 75 **(Rus)**

[Changes in the synaptic contacts in the amygdaloid complex following unilateral lobectomy in rabbits] Chernov IuV, et al. **Neirofiziologiia** 8(2):134-8, 1976 (Eng. Abstr.) **(Rus)**

[Several problems in current synaptology] Babmindra VP, et al. **Nerv Syst** 15:3-17, 1975 (73 ref.) **(Rus)**

[Morphofunctional types of synapses in the neurosecretory cells of the carp preoptic nucleus] Pluzhnikov LT, et al. **Tsitologiia** 17(8):891-7, Aug 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural organization and distribution of synapses of different size of the neurosecretory cells of the carp preoptic nucleus] Senchik IuN, et al. **Tsitologiia** 18(3):275-83, Mar 76 (Eng. Abstr.) **(Rus)**

[Comparison of motor endplate and central synapses. An ultrastructural study] Akert K. **Zh Evol Biokhim Fiziol** 11(2):105-11, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

SYNAPTIC MEMBRANES

Frequency facilitation and post-tetanic potentiation of a unitary synaptic potential in Aplysia californica are limited by different processes. Schlapfer WT, et al. **Brain Res** 109(1):1-20, 4 Jun 76

ANALYSIS

A simple, sensitive and specific radioreceptor assay for endogenous GABA in brain tissue. Enna SJ, et al. **J Neurochem** 26(1):221-4, JAN 76

DRUG EFFECTS

Concomitant changes in cyclic AMP level and postsynaptic potentials of olfactory cortex slices induced by adenosine derivatives. Kuroda Y, et al. **Brain Res** 109(1):196-201, 4 Jun 76

Diphenylhydantoin increases cortical postsynaptic inhibition. Raabe W, et al. **Brain Res** 105(3):597-601, 9 Apr 76

Pentobarbital selectively enhances GABA-mediated post-synaptic inhibition in tissue cultured mouse spinal neurons. Ransom BR, et al. **Brain Res** 114(3):530-5, 24 Sep 76

Dopamine, serotonin and related compounds: presynaptic effects on synaptic depression, frequency facilitation, and post-tetanic potentiation at a synapse in Aplysia californica. Tremblay JP, et al. **Brain Res** 109(1):61-81, 4 Jun 76

The effects of noradrenaline, 5-hydroxytryptamine and dopamine on synaptic membrane ATPases. Logan JG, et al. **J Physiol (Lond)** 250(1):47P-48P, Aug 75

Permeability changes produced by L-glutamate at the excitatory post-synaptic membrane of the crayfish muscle. Onodera K, et al. **J Physiol (Lond)** 255(3):669-85, Mar 76

Lead competitively inhibits calcium-dependent synaptic transmission in the bullfrog sympathetic ganglion. Kober TE, et al. **Nature** 262(5570):704-5, 19 Aug 76

[Effect of some detergents on synaptic membranes] Cavallotti C, et al. **Boll Soc Ital Biol Sper** 51(18):1126-32, 30 Sep 75 **(Ita)**

[Postsynaptic membrane sensitivity to acetylcholine during blockade of excitatory transmission from nerve to skeletal muscle during long-term low-frequency transmission] Nikol'skii EE, et al. **Neirofiziologiia** 7(5):550-6, 1975 **(Rus)**

ENZYMOLOGY

Solubilization of a phosphoprotein and its associated cyclic AMP-dependent protein kinase and phosphoprotein phosphatase from synaptic membrane fractions, and some kinetic evidence for their existence as a complex. Ueda T, et al. **Arch Biochem Biophys** 170(2):492-503, Oct 75

The stimulation of the phospholipase A2-acylation system of synaptic membranes of brain by cyclic nucleotides. Gullis RJ, et al. **Biochem J** 148(3):567-81, Jun 75

Molecular forms of acetylcholinesterase from Torpedo californica: their relationship to synaptic membranes. Lwebuga-Mukasa JS, et al. **Biochemistry** 15(7):1425-34, 6 Apr 76

Pharmacological studies on the stimulation of the phospholipase A2-acylation system of synaptic membranes of brain, by neurotransmitters and other agonists. Gullis RJ, et al. **J Neurochem** 26(6):1217-30, Jun 76

The effects of ouabain and the activation of neural membrane ATPase by biogenic amines. Logan JG, et al. **J Neurochem** 27(1):185-9, Jul 76

[Purification of the enzyme MPI-kinase attached to synaptic membranes] Cavallotti C, et al. **Boll Soc Ital Biol Sper** 51(23):1879-85, 15 Dec 75 **(Ita)**

IMMUNOLOGY

Effects of antisera to S-100 protein and to synaptic membrane fraction on maze performance and EEG. Karpiak SE, et al. **Brain Res** 102(2):313-21, 6 Feb 76

Bio-electrical changes induced by a reaction between rabbit Ig and anti-rabbit Ig on the surface of the rat cervical ganglion. Janković BD, et al. **Experientia** 31(9):1093-5, 15 SEP 75

Antigenic determinants shared by rat lymphocytes and rat brain subcellular fractions. Jankovic BD, et al. **Keio J Med** 24(4):355-65, Dec 75

The relationship between cap formation and nucleus position. Janković BD, et al. **Naturwissenschaften** 62(7):352-3, Jul 75

METABOLISM

Rat brain gangliosides following drug addiction and nutritional deficiency. Boegman RJ. **Adv Exp Med Biol** 71:267-73, 1976

The relationship between the action of tetanus toxin and its binding by membranes and gangliosides. Mellanby J, et al. **Adv Exp Med Biol** 71:215-29, 1976

The effects of neurotransmitters and cyclic nucleotides on the metabolism of phospholipids in synaptic membranes of brain. Rowe CE, et al. **Adv Exp Med Biol** 72:211-25, 1976

The stimulation by synaptic transmitters of the incorporation of oleate into the phospholipid of synaptic membranes. Gullis RJ, et al. **Biochem J** 148(3):557-65, Jun 75

Properties of gamma-aminobutyric acid (GABA) receptor binding in rat brain synaptic membrane fractions. Enna SJ, et al. **Brain Res** 100(1):81-97, 12 Dec 75

Purification of serotonin-and LSD-binding proteins from synaptic membranes. pp. 593-5. Mehl E, et al. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

Biochemistry of serotonin and synaptic membranes in neurotransmission. pp. 565-91. Wesemann W. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.** (76 ref.)

Structural and functional studies of an acetylcholine receptor. pp. 39-65. Raftery MA, et al. **In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.**

Circulation and turnover of synaptic vesicle membrane in cultured fetal mammalian spinal cord neurons. Teichberg S, et al. **J Cell Biol** 67(1):215-30, Oct 75

Studies on serotonin binding proteins of nerve ending membranes. Dette GA, et al. **J Neural Transm** 37(4):281-95, 1975

5-Hydroxytryptamine binding to synaptic membranes from rat brain. Fillion G, et al. **Life Sci** 18(1):65-74, 1 Jan 76

Biphasic effects of halothane on phospholipid and synaptic plasma membranes: a spin label study. Rosenberg PH, et al. **Mol Pharmacol** 11(6):879-82, Nov 75

Ionic permeability changes occurring at excitato$_a$y receptor membranes of chemical synapses. Anwyl R, et al. **Nature** 257(5525):410-12, 2 Oct 75

The specificity of binding of the narcotic agonist etorphine in synaptic membranes of rat brain in vivo. Mulé SJ, et al. **Psychopharmacologia** 44(2):125-9, 31 Oct 75

PHYSIOLOGY

Fatigue and recovery of transmission at the Mauthner fiber-giant fiber synapse of the hatchetfish. Highstein SM, et al. **Brain Res** 98(2):229-42, 14 Nov 75

Behavioral changes in 2-month-old rats following prenatal exposure to antibodies against synaptic membranes. Karpiak SE Jr, et al. **Brain Res** 92(3):405-13, 18 Jul 75

Unusual behavior of the La EPSP in cat spinal motoneurons. Werman R, et al. **Brain Res** 112(2):395-401, 13 Aug 76

Heterosynaptic inhibition modifies the presynaptic plasticities of the transmission process at the synapse in Aplysia californica. Woodson PB, et al. **Brain Res** 109(1):83-95, 4 Jun 76

Synaptic depression at a synapse in Aplysia californica: analysis in terms of a material flow model of neurotransmitter. Woodson PB, et al. **Brain Res** 109(1):41-59, 4 Jun 76

The antagonistic action of L-glutamate diethyl ester on the excitatory postsynaptic membrane of the crab neuromuscular junction. Wheale HV, et al. **Comp Biochem Physiol [C]** 51(1):79-81, 1 Jun 75

Real time classification and display of postsynaptic potential amplitudes and intervals. pp. 169-75. Clarke TO, et al. **In: Brown PB, ed. Computer technology in neuroscience. Washington, Hemisphere, 1976. WL 26.5 C738 1975.**

Putative synaptic mechanisms of inhibition in Limulus lateral eye. Adolph AR. **J Gen Physiol** 67(4):417-31, Apr 76

Modulation of synaptic effectiveness of Ia and descending fibers in cat spinal cord. Rudomín P, et al. **J Neurophysiol** 38(5):1181-95, Sep 75

Ionic mechanism of the excitatory synaptic membrane of the crayfish neuromuscular junction. Onodera K, et al. **J Physiol (Lond)** 252(1):295-318, Oct 75

Reduction of quantum contents of synaptic potentials after postsynaptic axotomy. Brenner HR. **Nature** 262(5569):598-9, 12 Aug 76

[Study of frog retino-tectal synapses using a method of recording the summary extracellular PSP of the synapses of a single neuron] Gutman AM, et al. **Neirofiziologiia** 8(4):434-7, 1976 (Eng. Abstr.) **(Rus)**

[The possible role of the heterogeneity of mollusc neuron membranes in the organization of receptive fields] Martinez-Soler R, et al. **Zh Vyssh Nerv Deiat** 26(2):433-5, Mar-Apr 76 **(Rus)**

ULTRASTRUCTURE

Isolation of a synaptic membrane fraction enriched in cholinergic receptors by controlled phospholipase A2 hydrolysis of synaptic membranes. Bartfai T, et al. **Biochim Biophys Acta** 426(2):186-97, 5 Mar 76

Isolation and partial characterization of chick brain synaptic plasma membranes. Van Leeuwen C, et al. **Biochim Biophys Acta** 436(1):53-67, 4 Jun 76

Labeling of electrical surface charges at synaptosome membrane: an electron cytochemical and biochemical study. Feria-velasco A, et al. **Brain Res** 112(1):214-20, 6 Aug 76

Electronmicroscopy of cholinergic receptors in native and reconstituted membrane system of Torpedo and Electrophorus. pp. 3-27. Nickel E. **In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.**

Synaptic membrane structure in Torpedo electric organ. Rosenbluth J. **J Neurocytol** 4(6):697-712, Dec 75

[Differentiation factors of active zones of presynaptic membranes] Couteaux R, et al. **C R Acad Sci [D] (Paris)** 280(3):299-301, 20 Jan 75 (Eng. Abstr.) **(Fre)**

SYNAPTIC RECEPTORS

ANALYSIS

Synaptic receptor proteins. Isolation and reconstitution in artificial membranes. De Robertis E. **Rev Physiol Biochem Pharmacol** 73:9-38, 1975 (118 ref.)

DRUG EFFECTS

Some characteristics of pre- and post-synaptic inhibitory receptors at the hermit crab neuromuscular junction. Balashov N, et al. **Br J Pharmacol** 54(3):383-8, Jul 75

Catecholamine receptor agonists: effects on motor activity and rate of tyrosine hydroxylation in mouse brain. Strömbom U. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):167-76, 25 Feb 76

METABOLISM

The nature of receptors regulating the formation of cyclic AMP in brain tissue. Daly JW. **Life Sci** 18(12):1349-58, 15 Jun 76 (80 ref.)

Serotonin and lysergic acid diethylamide binding in rat brain membranes: relationship to postsynaptic serotonin receptors. Bennett JP Jr, et al. **Mol Pharmacol** 12(3):373-89, May 76

Dopamine-sensitive adenylate cyclase occurs in a region of substantia nigra containing dopaminergic dendrites. Kebabian JW, et al. **Science** 193(4254):683-5, 20 Aug 76

[Resin linked derivatives of serotonin and affinity chromatography of proteins isolated from synaptic membranes (author's transl)] Seela F, et al. **Z Naturforsch [C]** 29(5-6):248-56, May-Jun 74 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Modification of synaptic efficiency, experiments in blatta orientalis. Davidovich A, et al. **Acta Physiol Lat Am** 25(1):33-6, 1975

Synaptic efficiency and plasticity of the nervous system. Luco JV. **Acta Physiol Lat Am** 24(4):312-6, 1974 (24 ref.)

Supersensitivity of central neurons—a brief review of an emerging concept. Yarbrough GG, et al. **Can J Neurol Sci** 2(3):147-52, Aug 75

Brain tissue transplanted to the anterior chamber of the eye. 4. Drug-modulated transmitter release in central monoamine nerve terminals lacking normal postsynaptic receptors. Seiger A, et al. **Cell Tissue Res** 165(2):157-70, 26 Jan 76

The role of presynaptic receptors in the release and synthesis of 3H-dopamine by slices of rat striatum. Westfall TC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(3):279-87, 16 Mar 76

[Proceedings: Functions of neural transmitter substance of the central synaptic membranes in rats] Sekiya M, et al. **J Physiol Soc Jpn** 36(8-9):339, 1 Sep 74 **(Jpn)**

RADIATION EFFECTS

Light effect on the synaptic organ of the rat. Kuwabara T, et al. **Invest Ophthalmol** 15(5):407-11, May 76

ULTRASTRUCTURE

Ultrastuctural study on the relations among nerve elements and ependymal cells of the 'Bradypus tridactylus'. De Carvalho CA, et al. **Rev Bras Pesqui Med Biol** 9(2-3):137-43, Mar-Jun 76 (Eng. Abstr.)

SYNAPTIC VESICLES

The preparation and characterization of synaptic vesicles of high purity. Nagy A, et al. **Brain Res** 109(2):285-309, 11 Jun 76

Quantitative changes in number of 'synaptic' ribbons in rat pinealocytes after orchidectomy and in organ culture. Karasek M. **J Neural Transm** 38(2):149-57, 1976

Sensory nerve endings containing 'synaptic' vesicles: an electron-microscope autoradiographic study. Fidone SJ,

et al. **J Neurobiol** 6(4):423–7, Jul 75
[Comparison of the dimensions of synaptic vesicles in axon profiles forming synapses on the bodies and dendrites of cat motor cortex neurons] Lenkov DN, et al. **Tsitologiia** 17(11):1325–7, Nov 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Adenosine triphosphate in cholinergic vesicles isolated from the electric organ of Electrophorus electricus. Zimmermann H, et al. **Brain Res** 111(2):365–76, 30 Jul 76
Dynamics of acetylcholine compartments at rest and during nerve activity. pp. 621–39. Israël M, et al.
In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.
Norepinephrine:adenosinetriphosphate ratios in purified adrenergic vesicles. Yen SS, et al. **J Neurobiol** 7(1):11–22, Jan 76
[Glycine in synaptic vesicles of bovine cortex] Richter-Landsberg C, et al. **Naturwissenschaften** 62(10):491–2, Oct 75 **(Ger)**
[Neuromediator content in the synaptic vesicles of rat adrenergic nerves in some pharmacological actions] Arefolov VA, et al. **Farmakol Toksikol** 38(3):285–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Electron microscopic alteration of synaptic vesicles after alpha-methyl-p-tyrosine administration in sympathetic nerve terminals demonstrated by potassium permanganate fixation. Itakura T, et al. **Ann Histochim** 20(3):173–82, Jul–Sep 75
[Effect of carbidine on the content and storage of adrenergic neurotransmitter in the synaptic vesicles] Arefolov VA, et al. **Biull Eksp Biol Med** 80(10):69–72, Oct 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A comparison between the magnesium requiring adenosinetriphosphatase of neoronal synaptic vesicles isolated from gerbil and rat brain. Quayle ES, et al. **Ala J Med Sci** 12(3):230–5, Jul 75
Proceedings: Synaptic vesicle magnesium-adenosine triphosphatase as a possible site of action of anticonvulsant drugs. Gilbert JC, et al. **Br J Pharmacol** 55(2):252P, Oct 75
Interaction of psychoactive drugs with the Mg+2 requiring ATPase associated with isolated synaptic vesicles. Corbett L, et al. **Res Commun Chem Pathol Pharmacol** 11(4):605–13, Aug 75
Effects of ischemia on the Mg++ requiring adenosine triphosphatase associated with neuronal synaptic vesicles in gerbil brain. Quayle ES, et al. **Stroke** 7(1):36–40, Jan–Feb 76

IMMUNOLOGY

Antigenic determinants shared by rat lymphocytes and rat brain subcellular fractions. Jankovic BD, et al. **Keio J Med** 24(4):355–65, Dec 75

METABOLISM

The involvement of lysophosphoglycerides in neurotransmitter release; the composition and turnover of phospholipids of synaptic vesicles of guinea-pig cerebral cortex and Torpedo electric organ and the effect of stimulation. Baker RR, et al. **Brain Res** 100(3):629–44, 26 Dec 75
Isolation of synaptic vesicles from Narcine brasiliensis electric organ: some influences on release of vesicular acetylcholine and ATP. Boyne AF. **Brain Res** 114(3):481–91, 24 Sep 76
Evidence that the rapid binding of newly accumulated noradrenaline within synaptosomes involves synaptic vesicles. White TD. **Brain Res** 108(1):87–96, 21 May 76
Release of low molecular substances from cholinergic vesicles as a consequence of phospholipase A2 attack. pp. 551–4. Heilbronn E.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.
An immunochemical approach to the transport of axonal vesicular proteins and their release from nerve terminals. pp. 215–23. Livett BG, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.
Effects of physiological and pharmacological stress on the subcellular distribution of adrenergic storage vesicles in rat heart. pp. 399–407. Molinoff PB, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Catecholamine-storage vesicles, noradrenaline and dopamine-beta-hydroxylase in constricted postganglionic autonomic nerves. pp. 513–23. Mraz P, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Peroxidase uptake by photoreceptor terminals of the skate retina. Ripps H, et al. **J Cell Biol** 70(1):86–96, Jul 76
Circulation and turnover of synaptic vesicle membrane in cultured fetal mammalian spinal cord neurons. Teichberg S, et al. **J Cell Biol** 67(1):215–30, Oct 75
Competition of some biogenic amines for uptake into synaptic vesicles of the striatum. Matthaei H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):89–96, 24 Mar 76
[Effect of several tropane derivatives on noradrenaline absorption by hypothalamic synaptic vesicles] Zakusov VV, et al. **Biull Eksp Biol Med** 82(7):821–3, Jul 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Depletion of vesicles and fatigue of transmission at a vertebrate central synapse. Model PG, et al. **Brain Res** 98(2):209–28, 14 Nov 75
Synaptic activity of frog retinal photoreceptors. A peroxidase uptake study. Schacher S, et al. **J Cell Biol** 70(1):178–92, Jul 76
Synaptic vesicle cytochemistry changes when cultured sympathetic neurones develop cholinergic interactions. Johnson M, et al. **Nature** 262(5566):308–10, 22 Jul 76
Presynaptic microtubules and their association with synaptic vesicles. Gray EG. **Proc R Soc Lond [Biol]** 190(1100):367–72, 19 Aug 75
[Proceedings: Synaptic vesicles of hypothalamic ventromedial nucleus of cats] Nakao H, et al. **J Physiol Soc Jpn** 36(8–9):340, 1 Sep 74 **(Jpn)**

SECRETION

Factors required for Ca-sensitive acetylcholine release from crude synaptic vesicles. Hata F, et al. **J Neurochem** 27(1):139–44, Jul 76

ULTRASTRUCTURE

Synaptosomal fractions of cat cerebral cortex after hypo-osmotic and detergent treatment. Orosz A, et al. **Acta Biol Acad Sci Hung** 26(1–2):23–35, 1975
Synaptic ribbon in the human pinealocyte. Kurumado K, et al. **Acta Pathol Jpn** 26(3):381–4, May 76
Synaptosomes containing large agranular vesicles isolated from developing rat brain. Kanerva L, et al. **Acta Physiol Scand** 94(3):393–7, Jul 75
A spin label study of rat brain membranes. Effects of temperature and divalent cations. Viret J, et al. **Biochim Biophys Acta** 436(4):811–24, 15 Jul 76
Localizing -SH groups in monoaminergic synaptic vesicles with the mixture of zinc iodide-osmium tetroxide (ZIO). de Iraldi AP. **Brain Res** 94(3):363–7, 5 Sep 75
The electron microscopy of the synaptic vesicles of the frog habenular nuclei. Kemali M. **Brain Res** 112(1):156–61, 6 Aug 76
Postsynaptic vesicles in olfactory bulb of rat. Ramon-Moliner E. **Brain Res** 105(3):551–6, 9 Apr 76
Microtubule—synaptic vesicle associations in cultured rat spinal cord neurons. Bird MM. **Cell Tissue Res** 168(1):101–15, 28 Apr 76
Monoamine storage sites in the rat superior cervical ganglion following synthesis inhibition. Heym C. **Cell Tissue Res** 165(2):239–48, 26 Jan 76
The duration of aldehyde fixation as a 'flattening factor' of synaptic vesicles. Paula-Barbosa M. **Cell Tissue Res** 164(1):63–72, 26 Nov 75
Presynaptic dendrite cells and two other classes of neurons in the superficial layers of the superior colliculus of the chimpanzee. Tigges M, et al. **Cell Tissue Res** 162(3):279–95, 13 Oct 75
Demonstration of electron-dense material within 'empty' synaptic vesicles in the CNS of rat. Ovtscharoff W. **Experientia** 32(2):263–4, 15 Feb 76
Dense core vesicles in cerebral cortex of the human fetus. Povlishock JT. **Experientia** 31(12):1447–9, 15 Dec 75
Changes in cholinergic synaptic vesicle populations and the ultrastructure of the nerve terminal membranes of Narcine brasiliensis electron organ stimulated to fatigue in vivo. Boyne AF, et al. **J Cell Biol** 67(3):814–25, Dec 75
Coated-vesicle shells, particle/chain material, and tubulin in brain synaptosomes. An electron microscope and biochemical study. Kadota T, et al. **J Cell Biol** 69(3):608–21, Jun 76
Fine structure of synaptic vesicles in two types of nerve terminals in crayfish stretch receptor organs: influence of fixation methods. Tisdale AD, et al. **J Comp Neurol** 165(3):369–86, 1 Feb 76
Morphological effects of osmolarity on purified noradrenergic vesicles. Thureson-Klein A, et al. **J Neurocytol** 4(5):609–27, Oct 75
An autoradiographic identification of Purkinje axon terminals in the cat. Walberg F, et al. **J Neurocytol** 5(2):157–69, Apr 76
[Changes in the synaptic vesicles of cat motor cortex axon terminals upon stimulation] Maloshevskiĭ SG, et al. **Neirofiziologiia** 7(6):639–46, 1975 (Eng. Abstr.) **(Rus)**

SYNAPTOSOMES

Preparation and properties of mitochondria derived from synaptosomes. Lai JC, et al. **Biochem J** 154(2):423–32, 15 Feb 76
An improved method for the preparation of synaptosomal fractions in high purity. Hajós F. **Brain Res** 93(3):485–9, 15 Aug 75
Glial contamination of synaptosomal fractions. Henn FA, et al. **Brain Res** 101(2):341–4, 16 Jan 76
[Lysosome-rich synaptosomal preparations from rat mesencephalus (author's transl)] Kouyoumdjian JC, et al. **Experientia** 31(10):1188–90, 15 Oct 75 (Eng. Abstr.) **(Fre)**
[Structural rearrangements in synaptosomal membranes of the brain] Okun' IM, et al. **Biofizika** 21(2):289–94, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Structure and function of the synaptosomes] Hernández AG. **Acta Cient Venez** 25(3):125–6, 1974 **(Spa)**

ANALYSIS

Soluble and membrane-bound S-100 protein in cerebral cortex synaptosomes. Properties of the S-100 receptor. Donato R, et al. **Brain Res** 98(3):561–73, 21 Nov 75
Soluble and membrane-bound S-100 protein in rat cerebral cortex synaptosomes during postnatal development. Donato R. **Brain Res** 109(3):649–55, 18 Jun 76
The interest of studying glycoproteins in the central nervous system. pp. 803–13. Vincendon G, et al.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m. (58 ref.)
Tubulin in postynaptic junctional lattice. Walters BB, et al. **Nature** 257(5526):496–8, 9 Oct 75
Phospholipid exchange proteins in synaptosome and myelin fraction from rat brain. Wirtz KW, et al. **Nature** 260(5549):354–5, 25 Mar 76
[Proceedings: Isolation of possible transmission substances from the perfused synaptosome bed] Kuroda Y. **J Physiol Soc Jpn** 36(8–9):338–9, 1 Sep 74 **(Jpn)**
[Neurospecific protein S-100 in the synaptosomes of rat cerebral cortex] Turovskii VS, et al. **Biull Eksp Biol Med** 81(2):164–6, Feb 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Anticonvulsant drug mechanisms. Phenytoin, phenobarbital, and ethosuximide and calcium flux in isolated presynaptic endings. Sohn RS, et al. **Arch Neurol** 33(9):626–9, Sep 76
Evidence that beta-bungarotoxin acts at the exterior of nerve terminals. Howard BD, et al. **Brain Res** 103(1):190–2, 13 Feb 76
Development of the influences of sodium, catecholamine and tricyclic antidepressent drug on the uptake of [3H]5-hydroxytryptamine by rat brain synaptosomes. Nomura Y, et al. **Brain Res** 100(3):705–9, 26 Dec 75
The effects of harmaline on GABA fluxes in pinched-off nerve endings. Vargas F, et al. **Brain Res** 113(3):611–5, 3 Sep 76
Action of N-methyl-bicuculline on the binding of gamma-aminobutyric acid to a synaptosomal fraction of rat cerebral cortex. DeFeudis FV, et al. **Exp Neurol** 49(2):497–505, Nov 75
Effects of N-methyl-bicuculline on the 'binding' of GABA to synaptosome-enriched fractions of six regions of the feline brain. De Sagarra MR, et al. **Exp Neurol** 49(2):606–11, Nov 75
Inhibition of high affinity uptake of GABA by branched fatty acids. Balcar VJ, et al. **Experientia** 32(7):904–5, 1976
Lanthanum and some other cation-induced changes in fluidity of synaptosomal membrane studied with nitroxide stearate spin labels. Uyesaka N, et al. **J Membr Biol** 27(3):283–95, 1976
Effects of delta9-tetrahydrocannabinol on neurotransmitter accumulation and release mechanisms in rat forebrain synaptosomes. Johnson KM, et al. **Life Sci** 19(3):347–56, 1 Aug 76
dl-N-methyl-3-(o-methoxyphenoxy)-3-phenylpropylami hydrochloride, Lilly 94939, a potent inhibitor for uptake of norepinephrine into rat brain synaptosomes and heart. Wong DT, et al. **Life Sci** 17(5):755–60, 1 Sep 75
Mechanism of action of beta-bungarotoxin on synaptosomal preparations. Sen I, et al. **Proc Natl Acad Sci USA** 73(8):2664–8, Aug 76
[Effect of fenfluramine on the mechanisms of transport of brain serotonin in rat synaptosomes] Belin MF, et al. **C R Acad Sci [D] (Paris)** 279(25):1935–8, 16 Dec 74 **(Fre)**
[Proceedings: Changes of the condition of synaptosomal membranes by Ca2+] Kosaka N, et al. **J Physiol Soc Jpn** 36(8–9):359, 1 Sep 74 **(Jpn)**
[Structural rearrangements in membranes induced by anesthetics] Nisenbaum GD, et al. **Biofizika** 21(2):271–5, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Effect of psychotropic substances on the uptake of [H3]-gamma-aminobutyric acid by rat brain synaptosomes] Maĭsov NI, et al. **Farmakol Toksikol** 38(5):537–40, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Characteristics of tyrosine hydroxylation in isolated nerve endings. Harris JE, et al. **Biochem Pharmacol** 25(1):91–3, Jan 76
Localization in the synaptic junction of the cyclic AMP stimulated intrinsic protein kinase activity of synaptosomal plasma membranes. Weller M, et al. **Biochim Biophys Acta** 433(1):223–7, 16 Apr 76
Effects of anticonvulsant and convulsant drugs on the ATPase activities of synaptosomes and their components. Gilbert JC, et al. **Br J Pharmacol** 56(1):49–57, Jan 76
On glutaminase activity in mammalian synaptosomes. Bradford HF, et al. **Brain Res** 110(1):115–25, 25 Jun 76
Serotonergic synaptosomes from rat hippocampus: lack of acetylcholinesterase. Kuhar MJ, et al. **Brain Res** 99(2):415–8, 5 Dec 75

The stimulation of synaptosomal adenyl cyclase activity by the supernatant from rat brain cerebral cortex. Izumi H, et al. **Chem Pharm Bull (Tokyo)** 24(4):555–9, Apr 76

Distribution of glycerophosphorylcholine diesterase in rat brain. Mann SP. **Experientia** 31(11):1256–8, 15 Nov 75

The effects of ouabain and the activation of neural membrane ATPase by biogenic amines. Logan JG, et al. **J Neurochem** 27(1):185–9, Jul 76

The stimulatory effect of the boiled supernatant on cyclic AMP formation in synaptosomes from rat cerebral cortex. Izumi H, et al. **Jpn J Pharmacol** 25(4):375–81, Aug 75

Effects of various agents on synaptosomal adenylate cyclase activity in the absence and presence of the boiled supernatant. Izumi H, et al. **Jpn J Pharmacol** 25(6):709–18, Dec 75

The effect of various chlorpromazine derivatives on the apomorphine–elicited inhibition of synaptosomal tyrosine hydroxylase activity. Bronaugh RL, et al. **Psychopharmacol Commun** 1(2):201–8, 1975

The effect of butaclamol and of other neuroleptic agents on the apomorphine–elicited inhibition of synaptosomal tyrosine hydroxylase activity. Bronaugh RL, et al. **Psychopharmacol Commun** 1(5):501–10, 1975

[Effect of acetylcholine on Na, K–ATPase of synaptasomes] Kometini ZP, et al. **Biokhimiia** 40(5):1039–46, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of neuroleptics on tyrosine hydroxylase from rat hypothalamus synaptosomes] Mineeva–Vialykh MF, et al. **Biull Eksp Biol Med** 81(4):434–6, 1976 (Eng. Abstr.) **(Rus)**

[Solubility of the Mg2+–dependant Ca2+–activated ATPase fraction of the plasma membranes of synaptosomes] Makogonenko EM, et al. **Ukr Biokhim Zh** 47(1):55–60, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Restricted distribition of synaptic antigens in the neuronal membrane. Matus AI, et al. **Brain Res** 103(1):171–5, 13 Feb 76

Determination of brain–specific antigens in short term cultivated rat astroglial cells and in rat synaptosomes. Bock E, et al. **J Neurochem** 25(6):867–70, Dec 75

[Formation of a specific antigen in spinal cord synaptic structures of rats with local tetanus] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 79(5):22–5, May 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Mechanisms of transport for the uptake and release of biogenic amines in nerve endings. Bogdanski DF. **Adv Exp Med Biol** 69:291–305, 1976 (54 ref.)

Transport of amino acids and catecholamines in relation to metabolism and transmission. de Belleroche JS, et al. **Adv Exp Med Biol** 69:395–404, 1976

Uptake and exchange of GABA and glutamate in isolated nerve endings. Levi G, et al. **Adv Exp Med Biol** 69:273–89, 1976

Characteristics of the uptake and release of glutamic acid in synaptosomes from rat cerebral cortex. Effects of ouabain. Takagaki G. **Adv Exp Med Biol** 69:307–17, 1976

The automated separation and analysis of dopamine, its amino acid precursors and metabolites, and the application of the method to the measurement of specific radioactivities of dopamine in striatial synaptosomes. De Belleroche J, et al. **Anal Biochem** 71(1):193–203, Mar 76

Inhibition by indomethacin and niflumic acid of catecholamine-–uptake into rat hypothalamic and striatal synaptosomes. Clarenbach P, et al. **Arch Int Pharmacodyn Ther** 219(1):79–86, Jan 76

Calcium–dependent phosphorylation of specific synaptosomal fraction proteins: possible role of phosphoproteins in mediating neurotransmitter release. DeLorenzo RJ. **Biochem Biophys Res Commun** 71(2):590–7, 26 Jul 76

The incorporation of radioactive fatty acids and of radioactive derivatives of glucose into the phospholipids of subsynaptosomal fractions of cerebral cortex. Baker R, et al. **Biochem J** 154(1):65–75, 15 Jan 76

Inhibition by botulinum toxin of depolarization–evoked release of (14C)acetylcholine from synaptosomes in vitro. Wonnacott S, et al. **Biochem J** 156(3):701–12, 15 Jun 76

Synaptosomal transport and acetylation of 3–trimethylamino–propan–1–ol. Barker LA, et al. **Biochem Pharmacol** 25(16):1931–3, 15 Aug 76

Effects of apomorphine in vitro on the uptake and release of catecholamines in crude synaptosomal preparations of rat striatum and hypothalamus. Ferris RM, et al. **Biochem Pharmacol** 24(16):1523–7, 15 Aug 75

Effect of fighting and diphenylhydantoin on the uptake of 3H–l–norepinephrine in vitro in synaptosomes isolated from retired male breeding mice. Hadfield MG, et al. **Biochem Pharmacol** 24(16):1538–40, 15 Aug 75

Effects of vinca alkaloids on uptakes of amino acids by rat brain synaptosomes. Peterson NA, et al. **Biochem Pharmacol** 25(12):1389–95, 15 Jun 76

The effect of beta–gungarotoxin on the release of acetylcholine from brain synaptosomal preparations. Sen I, et al. **Biochem Pharmacol** 24(22):2107–9, 15 Nov 75

Carrier–mediated sodium–dependent and calcium–dependent calcium efflux from pinched–off presynaptic nerve terminals (synaptosomes) in vitro. Blaustein MP, et al. **Biochim Biophys Acta** 419(2):295–308, 21 Jan 76

Interactions of neomycin and calcium in synaptosomal membranes and polyphosphoinostide monolayers. Lodhi S, et al. **Biochim Biophys Acta** 426(4):781–5, 5 Apr 76

An electron spin resonance study of synaptosome opiate receptors. The preparation and use of a spin labeled morphine. Copeland ES, et al. **Biophys J** 15(11):1125–39, Nov 75

Indirect and direct inhibition of dopamine beta–hydroxylase by amphetamine in storage vesicles and synaptosomes. Lau C, et al. **Br J Pharmacol** 57(2):223–8, Jun 76

Decarboxylation of newly formed DOPA by caudate nucleus synaptosomal particles. Bagchi SP, et al. **Brain Res** 107(3):591–601, 14 May 76

The autoradiographic localization of L–(3H) glutamate in synaptosomal preparations. Beart PM. **Brain Res** 103(2):350–5, 20 Feb 76

The Na+, K+, Cl– contents and derived membrane potentials of presynaptic nerve endings in vitro. Campbell CW. **Brain Res** 101(3):594–9, 23 Jan 76

Beta–adrenergic receptor binding: synaptic localization in rat brain. Davis JN, et al. **Brain Res** 113(1):214–8, 20 AUG 76

Uptake and release of calcium by rat brain synaptosomes. Goddard GA, et al. **Brain Res** 110(2):331–50, 9 Jul 76

Type 1 and 2 synaptic junctions: differences in distribution of concanavalin A binding sites and stability of the junctional adhesion. Matus AI, et al. **Brain Res** 108(2):249–56, 28 May 76

Norepinephrine uptake by cerebral synaptosomes of mouse: strain differences. Moisset B, et al. **Brain Res** 92(1):157–64, 4 Jul 75

Calcium–dependent release of radiolabeled catecholamines and serotonin from rat brain synaptosomes in a superfusion system. Mulder AH, et al. **Brain Res** 99(2):419–24, 5 Dec 75

Comparative studies in synaptosome formation: preparation of synaptosomes from the ventral nerve cord of the lobster (Homarus americanus). Newkirk RF, et al. **Brain Res** 101(1):103–11, 9 Jan 76

Facilitation of noradrenaline release from rat brain synaptosomes by prostaglandin E2. Roberts PJ, et al. **Brain Res** 112(2):425–8, 13 Aug 76

Recovery of decreased synaptosomal 2–deoxy–D–[3H]glucose uptake after cerebral ischemia in mongolian gerbils. Spatz M, et al. **Brain Res** 103(1):193–8, 13 Feb 76

Evidence that the rapid binding of newly accumulated noradrenaline within synaptosomes involves synaptic vesicles. White TD. **Brain Res** 108(1):87–96, 21 May 76

Recent studies on the comparative biochemistry of the cholinergic neuron. Dowdall MJ, et al. **Cold Spring Harbor Symp Quant Biol** 40:65–81, 1975

Synaptosomal uptake and levels of serotonin in rat brain areas after p–chloroamphetamine or B–9 lesions. Massari VJ, et al. **Eur J Pharmacol** 33(2):419–22, Sep–Oct 75

Calcium uptake in preterminal central synapses: importance of mitochondria. Vickers GR, et al. **Exp Brain Res** 25(4):429–45, 30 Jun 76

Binding of glycine and gamma–aminobutyric acid to synaptosomal fractions of the brains of differentially–housed mice. DeFeudis FV, et al. **Exp Neurol** 50(1):207–13, Jan 76

'Binding' of gamma–aminobutyric acid and glycine to synaptic particles of the brains of differentially–housed mice; evidence for morphological changes. DeFeudis FV, et al. **Exp Neurol** 52(2):285–94, Aug 76

Blockage of LSD binding at its high affinity site on synaptosomal membranes by 1–methyl–1,2,5,6–tetrahydropyridine–N,N–diethyl–carboxamide. Christian ST, et al. **Experientia** 31(8):910–11, 15 Aug 75

Neurochemical evidence for glycine as a transmitter and a model for its intrasynaptosomal compartmentation. pp. 37–63. Aprison MH, et al. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.**

Interactions of agonists and antagonists with the muscarinic receptor. pp. 49–69. Hulme EC, et al. **In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.**

Conformationally rigid amphetamine analogs as inhibitors of monoamine uptake by brain synaptosomes. Tuomisto J, et al. **J Med Chem** 19(5):725–7, May 76

Calcium–binding of synaptosomes isolated from rat brain cortex, III. Binding with some divalent heavy metal ions and calcium–binding sites. Kamino K, et al. **J Membr Biol** 23(1):21–31, 11 Aug 75

Calcium–binding of Synaptosomes isolated from rat brain cortex. II. Inhibitory effects of magnesium ions and some other cations. Kamino K, et al. **J Membr Biol** 21(1–2):113–24, 23 Apr 75

Calcium–binding of synaptosomes isolated from rat brain cortex. IV. Effects of ruthenium red on the Co–operative nature of calcium–binding. Kamino K, et al. **J Membr Biol** 26(4):345–56, May 76

Serotonin uptake and release by biochemically characterized nerve endings isolated from rat brain by concomitant flotation and sedimentation centrifugation. Lathia D, et al. **J Neural Transm** 37(2):111–26, 1975

5'–Adenine mononucleotides in synaptosomal preparations from guinea pig neocortex: their change on incubation, superfusion and stimulation. Barberis C, et al. **J Neurochem** 26(5):1015–21, May 76

Effect of electrical stimulation and chlorpromazine on the uptake and release of taurine, gamma–aminobutyric acid and glutamic acid in mouse brain synaptosomes. Lähdesmäki P, et al. **J Neurochem** 25(5):675–80, Nov 75

Effects of tryptophan on serotonin in nerve endings. McBride WJ, et al. **J Neurochem** 26(1):175–8, JAN 76

Sodium and chloride fluxes in synaptosomes in vitro. Marchbanks RM, et al. **J Neurochem** 26(5):973–80, May 76

Synthesis and release of prostaglandins by rat brain synaptosomal fractions. Raffel G, et al. **J Neurochem** 26(3):493–8, Mar 76

Calcium–dependent release of exogenously loaded gamma–amino–[U–14C]butyrate from synaptosomes: time course of stimulation by potassium, veratridine, and the calcium ionophore, A23187. Redburn DA, et al. **J Neurochem** 26(2):297–303, Feb 76

Sodium–dependent high affinity choline uptake: a regulatory step in the synthesis of acetylcholine. Simon JR, et al. **J Neurochem** 26(5):909–22, May 76

High affinity choline uptake: ionic and energy requirements. Simon JR, et al. **J Neurochem** 27(1):93–9, Jul 76

Serotonin binding protein:enhancement of binding by Fe2+ and inhibition of binding by drugs. Tamir H, et al. **J Neurochem** 26(5):871–8, May 76

Organic mercurial encephalopathy: in vivo and in vitro effects of methyl mercury on synaptosomal respiration. Verity MA, et al. **J Neurochem** 25(6):759–66, Dec 75

Uptake of alpha–methyl–D–glucoside by synaptosomes from rat brain. Warfield AS, et al. **J Neurochem** 26(6):1275–8, Jun 76

A study of 3H–L–flucose–containing glycoproteins of the crude synaptosomal fraction obtained from rat brain regions at various ages. Davis LG, et al. **J Neurosci Res** 2(1):83–8, 1976

Binding of gamma–aminobutyric acid and taurine to synaptosomal fractions of regions of the feline CNS. Gadea–Ciria M, et al. **J Neurosci Res** 1(5–6):393–7, 1975

Evidence for differential function of neuronal and glial cells in protein metabolism and amino acid transport. Hamberger A, et al. **J Neurosci Res** 1(1):37–56, 1975

Inhibition of rat synaptosomal catecholamine uptake by niflumic acid and indomethacin. Clarenbach P, et al. **J Pharm Pharmacol** 28(5):463–4, May 76

Comparative study of the effects of mianserin, a tetracyclic antidepressant, and of imipramine on uptake and release of neurotransmitters in synaptosomes. Laiteri M, et al. **J Pharm Pharmacol** 28(6):483–8, Jun 76

Inhibition of synaptosomal accumulation of l–norepinephrine. I: N–arylalkyl and N–aryloxyalkyl dl–amphetamines and related compounds. Schaeffer JC, et al. **J Pharm Sci** 64(9):1462–9, Sep 75

Inhibition of synaptosomal accumulation of l–norepinephrine II: N–aryloxyalkylphentermines, quaternary d–amphetamines, and 3–aryloxypropylamines. Schaeffer JC, et al. **J Pharm Sci** 65(1):122–6, Jan 76

Coincidence of blockade of synaptosomal 5–hydroxytryptamine uptake and decrease in tryptophan hydroxylase activity: effects of fenfluramine. Knapp S, et al. **J Pharmacol Exp Ther** 198(1):123–32, Jul 76

Dopamine synthesis in rat brain striatal synaptosomes. I. Correlations between veratridine–induced synthesis stimulation and endogenous dopamine release. Patrick RL, et al. **J Pharmacol Exp Ther** 197(1):89–96, Apr 76

Dopamine synthesis in rat brain striatal synaptosomes. II. Dibutyryl cyclic adenosine 3':5'–monophosphoric acid and 6–methyltetrahydropterine–induced synthesis increases without an increase in endogenous dopamine release. Patrick RL, et al. **J Pharmacol Exp Ther** 197(1):97–104, Apr 76

Proceedings: The hydrolysis of exogenous ATP by rat cerebral synaptosomes. Logan JG, et al. **J Physiol (Lond)** 256(1):30P–31P, Mar 76

Effects of Na+ and other monovalent cations on Ca–efflux from synaptosomes. Ichida S, et al. **Jpn J Pharmacol** (1):31–7, Feb 76

Modulation of synaptosomal high affinity choline transport. Barker LA. **Life Sci** 18(7):725–31, 1 Apr 76

Influence of ionophores which bind calcium on the release of norepinephrine from synaptosomes. Colburn RW, et al. **Life Sci** 17(9):1395–9, 1 Nov 75

Topography of synaptosomal high affinity uptake systems. Wang YJ, et al. **Life Sci** 17(5):725–33, 1 Sep 75

Phosphatidic acid metabolism, calcium ions and transmitter release from electrically stimulated synaptosomes. Hawthorne JN, et al. **Mol Cell Biochem** 8(2):83–7, 30 Aug 75

Effects of cations and propranolol on a fluorescent phospholipid incorporated into brain synaptosome membranes. Harris WE, et al. **Mol Pharmacol** 12(1):115–26, Jan 76

Some structural requirements for inhibition of high–affinity synaptosomal serotonin uptake by cannabinoids. Johnson KM, et al. **Mol Pharmacol** 12(3):345–52, May 76

Regulation of dopamine synthesis in rat brain striatal synaptosomes. Patrick RL, et al. **Mol Pharmacol** 11(5):621–31, Sep 75

Role of sodium in neuronal uptake of monoamines and amino acid precursors. Bruinvels J. **Nature** 257(5527):606–7, 16 Oct 75

Association of high affinity stereospecific binding of 3H–propranolol to cerebral membranes with beta adrenoceptors. Nahorski SR. **Nature** 259(5543):488–9, 12

Feb 76

Selective release of newly synthesised and newly captured GABA from synaptosomes by potassium depolarisation. Ryan LD, et al. **Nature** 258(5532):254–6, 20 Nov 75

Affinity chromatography of tetanus toxin, tetanus toxoid, and botulinum A toxin on synaptosomes, and differentiation of their acceptors. Habermann WE.
Naunyn Schmiedebergs Arch Pharmacol 293(1):1–9, 24 Mar 76

Para-substituted amphetamines and brain serotonin. Magyar K, et al. **Pol J Pharmacol Pharm** 27(Suppl):139–43, Oct 75

Effect of narcotic dependence and withdrawal on striatal dopamine-sensitive adenylate cyclase and synaptosomal cyclic AMP metabolism. Merali Z, et al.
Res Commun Chem Pathol Pharmacol 14(1):29–37, May 76

Subsynaptosomal distribution, inhibition, and characterization of the binding of (14C) 5-OH-indole-3-acetaldehyde to brain preparations. Ungar F, et al. **Res Commun Chem Pathol Pharmacol** 13(3):449–64, Mar 76

Alterations of norepinephrine uptake by acutely traumatized synaptosomes. Adams WE, et al. **Surg Forum** 26:482–3, 1975

[Effects of different heterocyclics on the incorporation of 5-hydroxytryptamine and noradrenaline in a rat brain preparation] Uzan A, et al. **Ann Pharm Fr** 33(6–7):345–54, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[The effects of 5,6-dihydroxytryptamine on the transport mechanisms of various neurotransmitters or their precursors at the synaptosomal level in the rat mesencephalon] Belin MF, et al. **Biochem Pharmacol** 24(22):2117–20, 15 Nov 75 **(Fre)**

[Changes in serotonin and leucine transport mechanisms after the application of a monoamine oxidase inhibitor (phenelzine) to rat mesencephalic synaptosomes] Belin MF, et al. **C R Acad Sci [D] (Paris)** 282(14):1359–61, 5 Apr 76 (Eng. Abstr.) **(Fre)**

[Mechanism of synaptosomal degradation of ATP in connection with involvement of adenosine in the transmission process] Kluge H, et al.
Acta Biol Med Ger 34(1):27–36, 1975 (Eng. Abstr.) **(Ger)**

[The effect of psychotropic substances on synaptosomal uptake of gamma-aminobutyric H3-acid and the activity of Na,K-ATPase] Maĭsov NI, et al.
Biull Eksp Biol Med 81(1):45–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Effect of neuroleptics and antidepressants on the process of gamma-aminobutyric acid-H3 uptake by isolated rat brain nerve endings] Raevskiĭ KS, et al.
Biull Eksp Biol Med 79(6):63–5, Jun 75 (Eng. Abstr.) **(Rus)**

[Incorporation of radiolabel in vitro into proteins of rat hippocampus synaptosomes when elaborating defensive conditioned reflexes] Kruglikov RI, et al.
Ukr Biokhim Zh 47(3):280–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Phospholipid metabolism in electrically stimulated synaptosomes. Hawthorne JN, et al. **Adv Exp Med Biol** 72:199–209, 1976

Functional roles of phospholipids of synaptosomal membrane. Sun AY, et al. **Adv Exp Med Biol** 72:169–97, 1976

Synaptic vesicle recycling in synaptosomes in vitro. Fried RC, et al. **Nature** 261(5557):255–6, 20 May 76

SECRETION

Release of biogenic amines from isolated nerve endings. Raiteri M, et al. **Adv Exp Med Biol** 69:319–35, 1976

Stimulus-secretion coupling processes in brain: analysis of noradrenaline and gamma-aminobutyric acid release. Cotman CW, et al. **J Physiol (Lond)** 254(2):475–505, Jan 76

ULTRASTRUCTURE

Synaptosomes containing large agranular vesicles isolated from developing rat brain. Kanerva L, et al.
Acta Physiol Scand 94(3):393–7, Jul 75

Preparation of chick brain synaptosomes and synaptosomal membranes. Babitch JA, et al. **Biochim Biophys Acta** 433(1):75–89, 16 Apr 76

A spin label study of rat brain membranes. Effects of temperature and divalent cations. Viret J, et al.
Biochim Biophys Acta 436(4):811–24, 15 Jul 76

Labeling of electrical surface charges at synaptosome membrane: an electron cytochemical and biochemical study. Feria-velasco A, et al. **Brain Res** 112(1):214–20, 6 Aug 76

Structural changes in vitro of isolated nerve endings. I. Effect of cations. Hajós F, et al. **Brain Res** 112(1):207–13, 6 Aug 76

Type 1 and 2 synaptic junctions: differences in distribution of concanavalin A binding sites and stability of the junctional adhesion. Matus AI, et al. **Brain Res** 108(2):249–56, 28 May 76

Ultrastructural identification of monoaminergic synaptosomes from one day old rat brain. Kanerva L, et al. **Histochemistry** 48(3):233–40, 25 Aug 76

Coated-vesicle shells, particle/chain material, and tubulin in brain synaptosomes. An electron microscope and biochemical study. Kadota T, et al. **J Cell Biol** 69(3):608–21, Jun 76

Further observations of the ultrastructure of synaptosomes separated from spinal cord and medulla, with especial emphasis on the postsynaptic membrane. Jones DG.
J Neurobiol 7(1):1–9, Jan 76

[Zinc-iodine-osmium impregnation of giant synaptosomes obtained from the hippocampal formation of the rabbit] Zhuravleva ZN, et al. **Tsitologiia** 27(5):491–4, May 75 (Eng. Abstr.) **(Rus)**

SYNCOPE

Surdocardiac syndrome of Jervell and Lange-Nielsen, with prolonged QT interval present at birth, and severe anaemia and syncopal attacks in childhood. Langslet A, et al.
Br Heart J 37(8):830–2, Aug 75

Atrial and ventricular asystole for 19 seconds without syncope. Report of a case. Stern S, et al.
Isr J Med Sci 12(1):28–33, Jan 76

Syncope. Aziz H. **JPMA** 25(4):83–4, Apr 75

Syncope. Aziz H. **JPMA** 25(4):83–4, Apr 75

Syncope. O'Connor PJ. **Practitioner** 216(1293):276–80, Mar 76

Syncope and transient loss of consciousness. Differential diagnosis and treatment. Simon RP. **West J Med** 123(2):164–70, Aug 75

Carotid sinus syncope and cervical lymphoma. Ballantyne F III, et al. **Wis Med J** 74(8):91–2, Aug 75

[Subjunctional conduction in the Jervell syndrome] Theisen K, et al. **Verh Dtsch Ges Kreislaufforsch** 41:391–4, 1975 **(Ger)**

[Physiopathological and nosographical aspects of reflex syncope] Sangiorgi M, et al. **G Ital Cardiol** 6(1):3–11, 1976 (103 ref.) **(Ita)**

[A case of the Romano-Ward syndrome (author's transl)] Hanazono N, et al. **J Jpn Soc Intern Med** 63(12):1436–43, 10 Dec 74 **(Jpn)**

[The long QT-syndrome] Furberg C, et al.
Lakartidningen 72(47):4620–5, 19 Nov 75 (Eng. Abstr.) **(Swe)**

BLOOD

Serum neurophysins during passive assumption of the erect posture in men and during pregnancy: effect of syncope. Legros JJ. **J Clin Endocrinol Metab** 42(6):1163–7, Jun 76

CHEMICALLY INDUCED

Quinidine syncope. Paroxysmal ventricular fibrillation treated with lidocaine. Gould L, et al. **NY State J Med** 75(14):2543–4, Dec 75

[Letter: Syncopes through the inversion of points in connection with the absorption of disopyramide] Casedevant B, et al. **Nouv Presse Med** 4(32):2339, 4 Oct 75 **(Fre)**

COMPLICATIONS

Syncope in association with Prinzmetal variant angina. Harper R, et al. **Br Heart J** 37(7):771–4, Jul 75

Micturition syncope, hypokalemia, and atrial fibrillation. Kounis NG, et al. **JAMA** 236(8):954, 23 Aug 76

Paroxysmal atrial fibrillation with asystole and syncope: report of a case of sinus node dysfunction with hypokalemia and hypertension. Ohmae M, et al. **Jpn Circ J** 40(2):127–32, Feb 76

DIAGNOSIS

The problem of dizziness and syncope in old age: transient ischemic attacks versus hypersensitive carotid sinus reflex. Uesu CT, et al. **J Am Geriatr Soc** 24(3):126–35, Mar 76

[Syncopal attacks and sudden death due to ventricular fibrillation -- a variant of the Jervell or Lange-Nielsen syndrome (author's transl)] Weiner C. **Klin Paediatr** 187(5):448–60, Sep 75 (Eng. Abstr.) **(Ger)**

[EEG-abnormalities in patients with vagovascular syncope] Friedli P. **Schweiz Med Wochenschr** 105(23):746–52, 7 Jun 75 (Eng. Abstr.) **(Ger)**

[Ventricular paroxysmal tachycardia with prolongation of QT (the Romano-Ward syndrome)] Bakunowa F.
Pediatr Pol 51(1):89–93, Jan 76 **(Pol)**

DRUG THERAPY

Quinidine syncope. A report of successful treatment with bretylium tosylate. VanderArk CR, et al.
J Thorac Cardiovasc Surg 72(3):464–7, Sep 76

[Letter: Antiepileptics in breath-holding of small children] Doose H. **Dtsch Med Wochenschr** 101(22):873, 28 May 76 **(Ger)**

[Dye dilution curves with left-to-right shunt following beta receptor blockaders] Klempt HW, et al.
Verh Dtsch Ges Inn Med 81:231–3, 1975 **(Ger)**

[Block by use of electrophoresis in the treatment of the carotid sinus syndrome] Beda E.
Rev Med Intern [Med Intern] 28(1):57–62, Jan–Feb 76 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Deglutition syncope. Wik B, et al. **Br Med J** 3(5986):747, 27 Sep 75

Digitalis excess mimicking the sick sinus syndrome. Hamer SS, et al. **Heart Lung** 5(4):652–6, Jul–Aug 76

Carotid sinus syncope. Lesser LM, et al. **Heart Lung** 5(3):453–6, May–Jun 76

'Sneeze syncope', basilar invagination and Arnold-Chiari type I malformation. Corbett JJ, et al.
J Neurol Neurosurg Psychiatry 39(4):381–4, Apr 76

Carotid sinus syndrome. Report of five cases and review of the literature. Cohen FL, et al. **J Neurosurg** 45(1):78–84, Jul 76

Vasovagal response during oral surgery. Campbell RL, et al. **J Oral Surg** 34(8):698–701, Aug 76

Prinzmetal's variant angina with syncope. Treatment with permanent demand pacemaker. Black MM, et al.
NY State J Med 76(2):255–8, Feb 76

Carotid sinus syndrome: new surgical considerations. Gardner RS, et al. **Vasc Surg** 9(4):204–10, Sep–Oct 75

Carotid sinus syncope: its diagnosis and management. Schwalbach J, et al. **W Va Med J** 71(11):320–6, Nov 75

[Syncope with coma in an attack of generalized urticaria (cold allergy)] Lindeboom GA. **Ned Tijdschr Geneeskd** 119(47):1833–5, 22 Nov 75 **(Dut)**

[Advantages and disadvantages of endocavitary electrical tests for exploring lipothymias and syncopes (author's transl)] Rauscher M, et al. **Ann Cardiol Angeiol (Paris)** 25(4):279–86, Jul–Sep 76 (Eng. Abstr.) **(Fre)**

[The initial syncope during posterior myocardial infarction. Relationship with the occurrence of atrioventricular block?] Tanguy L, et al. **Nouv Presse Med** 5(7):401–2, 14 Feb 76 **(Fre)**

[Letter: Miction syncope] Hohenfellner R.
Dtsch Med Wochenschr 100(43):2234, 24 Oct 75 **(Ger)**

[Non-epileptic episodes of unconsciousness. Pathophysiology and clinical aspects] Reichenmiller HE. **Fortschr Med** 93(30):1473–80, 23 Oct 75 (Eng. Abstr.) **(Ger)**

[Syncopal convulsions with myocarditis in childhood. A case contribution to the transitory pacemaker treatment of myocarditis-induced heart block] Tamm D, et al.
Med Klin 70(37):1469–73, 12 Sep 75 (Eng. Abstr.) **(Ger)**

[Syncopal attacks] Broser F. **Med Welt** 27(3):106–10, 16 Jan 76 **(Ger)**

[Syncope in glossopharyngeal neuralgia] Meienberg O, et al.
Schweiz Med Wochenschr 105(36):1144–7, 6 Sep 75 (Eng. Abstr.) **(Ger)**

[Heart diseases. From symptom to diagnosis: syncope] Burkart F. **Z Allgemeinmed** 51(4):146–8, 10 Feb 75 **(Ger)**

[Syncope due to cessation of heterotopic rhythm] Testoni F, et al. **Boll Soc Ital Cardiol** 19(4):397–400, 1974 (Eng. Abstr.) **(Ita)**

[Tetralogy of Fallot: episodes of asphyxia and squatting] pp. 815–26. Nicolini A.
In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. **(Ita)**

[Post-miction syncope] Kasztelan Z. **Pol Przegl Chir** 47(11A):1495–6, Nov 75 **(Pol)**

[Problems of infantile syncope] Sofijanov N.
God Zb Med Fak Skopje 17:379–83, 1971 (Eng. Abstr.) **(Ser)**

FAMILIAL & GENETIC

Familial qt prolongation and risk of sudden death. Furberg C, et al. **Acta Paediatr Scand** 64(5):777–82, Sep 75

Syncope with prolonged QT interval. Frank JP, et al.
Am J Dis Child 130(3):320–2, Mar 76

The heritable syndrome of prolonged Q-T interval, syncope, and sudden death. Electron microscopic observation. Moothart RW, et al. **Chest** 70(2):263–6, Aug 76

QT prolongation and syncopal attacks. A case of the Romano-Ward syndrome. Hanazono N, et al.
Jpn Heart J 16(5):610–9, Sep 75

[The familial long Q-T-syncope syndrome (an unusual case of the Romano-Ward syndrome)] Pony JC, et al.
Tunis Med 53(4):261–72, Jul–Aug 75 **(Fre)**

[Romano-Ward syndrome: apropos of 2 new cases] Leggio F, et al. **Boll Soc Ital Cardiol** 18(1):31–44, 1973 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The giant T-wave. Capell H, et al. **Heart Lung** 5(2):314–6, Mar–Apr 76

THERAPY

[Treatment of carotid sinus syncope by demand electro-systolic cardiac pacing] Grand A, et al.
Arch Mal Coeur 68(3):301–10, Mar 75 (Eng. Abstr.) **(Fre)**

SYNDACTYLIA

A variant of Poland syndrome. Report of case. Naficy A, et al. **Acta Med Iran** 18(1–2):69–76, 1975

Oculodento-digital dysplasia: a rare syndrome. Haines JO, et al. **Br J Radiol** 48(575):932–6, Nov 75

Syndactyly of upper limb. Morphogenesis, classification, and management. Entin MA. **Clin Plast Surg** 3(1):129–40, Jan 76

Syndactyly and split hand. Miura T. **Hand** 8(2):125–30, Jun 76

Cryptophthalmos-syndactyly syndrome case report. Singh RN, et al. **Indian Pediatr** 13(4):317–9, Apr 76

COMPLICATIONS

A variant of Poland syndrome: report of case. Naficy A, et al. **Acta Med Iran** 18(1-2):69-76, 1975

Hallux syndactyly--ulnar polydactyly--abnormal ear lobes: a new syndrome. Goldberg MJ, et al. **Birth Defects** 12(5):255-66, 1976

The relationship of clubfoot to congenital annular bands. Cowell HR, et al.
In: Bateman JE, ed. Foot science. Philadelphia, Saunders, 1976. WE 880 A511f 1976.

[Agenesis of the pectoralis major with brachysyndactyly (Poland's syndrome)] Duhamel B, et al. **Chirurgie** 101(3):233-7, 26 Feb-5 Mar 75 (Eng. Abstr.) **(Fre)**

[Poland's syndrome in a sterile woman] Stoll C, et al.
J Genet Hum 23(2):163-9, Jun 75 **(Fre)**

[Treatment of thoracic wall malformations in the context of Poland's syndrome. Apropos of 2 cases] Belloli G, et al. **Minerva Pediatr** 27(30):1655-60, 29 Sep 75 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Congenital stapes fixation, symphalangism and syndactylia. Vase P, et al. **Acta Otolaryngol (Stockh)** 80(5-6):394-8, Nov-Dec 75

SURGERY

Rigid digits or symphalangism. Flatt AE, et al. **Hand** 7(3):197-214, Oct 75

Poland's syndrome. Ireland DC, et al.
J Bone Joint Surg [Am] 58(1):52-8, Jan 76

Syndactyly and polydactyly. Ruby L, et al.
Orthop Clin North Am 7(2):361-74, Apr 76

Lateral-volar finger flap for the treatment of burn syndactyly. MacDougal B, et al. **Plast Reconstr Surg** 57(2):167-71, Feb 76

Congenital malformations of the hand: indications, operative treatment and results. Erik Moberg Lecture 1975. Buck-Gramcko D. **Scand J Plast Reconstr Surg** 9(3):190-8, 1975

[Surgical treatment of congenital malformations of the hand] Buck-Gramcko D. **Handchirurgie** 7(2):53-67, 1975 (Eng. Abstr.) **(Ger)**

[Critical considerations of various surgical methods for correction of the syndactylia (report on an observation period of 10-20 years)] Meissl G, et al. **Handchirurgie** 7(2):69-75, 1975 (Eng. Abstr.) **(Ger)**

[Preliminary report on the follow-up examination of 101 surgical cases of syndactylia] Neff G, et al.
Handchirurgie 7(3):129-31, 1975 (Eng. Abstr.) **(Ger)**

[Surgical treatment of malformations of the hand (author's transl)] Lösch GM. **Langenbecks Arch Chir** 339:365-75, Nov 75 (Eng. Abstr.) **(Ger)**

[Postsurgical management of cutaneous syndactyly (author's transl)] Meves H. **Z Orthop** 113(3):418-20, Jun 75 (Eng. Abstr.) **(Ger)**

[Possibilities of surgical treatment of syndactyly associated with developmental anomalies of the phalanges and metacarpal bones] Licznerski A.
Chir Narzadow Ruchu Ortop Pol 40(4):521-6, 1975 (Eng. Abstr.) **(Pol)**

SYNDROME see under **DISEASE**

SYNGAMIASIS

CONGENITAL

Syngamus trachea: infections produced by prenatal inoculations of chicken embryos. Winward LD.
Exp Parasitol 40(1):74-6, Aug 76

DRUG THERAPY

[Clinical form of syngamiasis of pheasants and its treatment with mebendazole] Mitterpák J, et al. **Vet Med (Praha)** 21(1):11-7, Jan 76 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Syngamus trachea: infections produced by parenteral inoculations. Winward LD, et al. **Exp Parasitol** 40(1):77-9, Aug 76

PATHOLOGY

[Pathological anatomy and tracheal granuloma due to Syngamus trachea in the pheasant] Valenza F.
Folia Vet Lat 5(2):339-46, Apr-Jun 75 **(Ita)**

SYNGAMUS

GROWTH & DEVELOPMENT

Syngamus trachea: infections produced by prenatal inoculations of chicken embryos. Winward LD.
Exp Parasitol 40(1):74-6, Aug 76

ISOLATION & PURIFICATION

[Pathological anatomy and tracheal granuloma due to Syngamus trachea in the pheasant] Valenza F.
Folia Vet Lat 5(2):339-46, Apr-Jun 75 **(Ita)**

SYNOSTOSIS

[Ball and socket ankle joint and tarsal synostosis (author's transl)] Kölbel R, et al. **Z Orthop** 113(5):952-6, Oct 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Tibiofibular synostosis: a cause of ankle disability. McMaster JH, et al. **Clin Orthop** (111):172-4, Sep 75

[Discussion remark to the paper by J. Steinhäuser: 'Additional observations of ball-shaped ankle joints in congenital synostoses of tarsal bones', Z. Orthop. 112 (1974 433)] Henssge J. **Z Orthop** 113(3):426-7, Jun 75 **(Ger)**

[Comment on the discussion remark by J. Henssge to the paper by J. Steinhäuser: 'Additional observations of ball-shaped ankle joints in congenital synostoses of tarsal bones', Z. Orthop 112 (1974) 443] Steinhäuser J, et al.
Z Orthop 113(3):427-8, Jun 75 **(Ger)**

FAMILIAL & GENETIC

The genetics of and associated clinical findings in humero-radial synostosis. Hunter AG, et al. **Clin Genet** 9(5):470-8, May 76

RADIOGRAPHY

The Klippel-Feil syndrome: early roentgenographic appearance and progression of the deformity. A reprot of two cases. Fietti VG Jr, et al. **J Bone Joint Surg [Am]** 58(6):891-2, Sep 76

SURGERY

Congenital radioulnar synostosis and congenital dislocation of the radial head. Mital MA. **Orthop Clin North Am** 7(2):375-83, Apr 76

SYNOVIAL CYST

Letter: Synovial cyst of sternoclavicular joint as mediastinal mass. Grelier JM, et al. **Ann Intern Med** 83(4):525-6, Oct 75

[Intraosseous mucous cyst] Gallinaro P, et al.
Chir Organi Mov 62(6):633-7, 1975 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Giant synovial cyst of the calf and thigh in a patient with granulomatous synovitis. Iacono V, et al. **Clin Orthop** (115):220-4, Mar-Apr 76

Pain and swelling in the calf. Healey LA. **Med Times** 103(10):133-4, Oct 75

[Recurrent leakage of synovial fluid from the knee joint into crural soft tissue] Szymańska-Cygler B. **Reumatologia** 14(2):191-4, 1976 (Eng. Abstr.) **(Pol)**

[Rupture of the popliteal cyst in rheumatoid arthritis] Mladenović V, et al. **Srp Arh Celok Lek** 103(5):449-54, May 75 **(Ser)**

DIAGNOSIS

Ultrasonographic demonstration of popliteal cysts in rheumatoid arthritis. A noninvasive technique. Moore CP, et al. **Arthritis Rheum** 18(6):577-80, Nov-Dec 75

Detection of synovial cysts by transmission-emission scintigrams following intra-articular 169Yb-DTPA. Adiseshan N, et al. **Aust NZ J Med** 5(3):256-60, Jun 75

Arthroscintigraphy with technetium albumin in diagnosis of pseudophlebitis (Baker's) cyst. Watkins AE, et al.
Br Med J 4(5988):86, 11 Oct 75

Demonstration of articular effusions and popliteal cysts with ultrasound. Ambanelli U, et al. **J Rheumatol** 3(2):134-9, Jun 76

Letter: Diagnosis of Baker cyst. Levitin PM. **JAMA** 236(3):253, 19 Jul 76

Ultrasound diagnosis of Baker cyst. Rudikoff JC, et al.
JAMA 235(10):1054-5, 8 Mar 76

Ruptured popliteal cyst stimulating deep vein thrombosis with false positive radiofibrinogen uptake. Gibbons D, et al. **Postgrad Med J** 51(600):735-6, Oct 75

[Synovial cyst in the popliteal region in the lower leg in rheumatoid arthritis and current methods used for their visualization] Domljan Z, et al. **Lijec Vjesn** 97(6):343-7, Jun 75 (Eng. Abstr.) **(Cro)**

DRUG THERAPY

[Management of para-articular cysts in progressive chronic polyarthritis] Pavelka K, et al. **Z Rheumatol** 34(11-12):437-43, Nov-Dec 75 (Eng. Abstr.) **(Ger)**

HISTORY

Eponym: Baker's cyst. **South Med J** 68(10):1304-5, Oct 75

PATHOLOGY

Cysts of the semilunar cartilage of the knee. A light and electron microscopic study. Hernandex FJ.
Acta Orthop Scand 47(4):436-40, Aug 76

[Giant synovial cyst of the shoulder joint--a case study] Ono O, et al. **Ryumachi** 15(3):279-87, Oct 75 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Wrist cysts and fistulae. An arthrographic study of the rheumatoid wrist. Iveson JM, et al. **Ann Rheum Dis** 34(5):388-94, Oct 75

Letter: Delayed visualization of popliteal cyst rupture. Kaplan H, et al. **Arthritis Rheum** 18(6):629-30, Nov-Dec 75

Asymptomatic popliteal cysts. Pulich JJ.
J Am Osteopath Assoc 75(3):319-23, Nov 75

Acetabular cyst with communicating ganglion. A case report. McBeath AA, et al. **J Bone Joint Surg [Am]** 58(2):267-9, Mar 76

Chronic synovitis in gout simulating rheumatoid arthritis. Demonstration of bilateral popliteal cysts and wrist synovial corrugation. Trentham ED, et al. **JAMA** 235(13):1358-60, 29 Mar 76

SYNOVIAL FLUID

Synovial fluid analysis in diagnosis. Gupta R.
J Indian Med Assoc 65(4):119-21, 16 Aug 75

Symptomatic joint effusions in sickle cell-beta-thalassemia disease. Report of a case. Crout JE, et al. **JAMA** 235(17):1878-9, 26 Apr 76

Effect of the common bile acids on the fibrin/fibrinogen fragments in rheumatoid synovial fluid. A possible clue to the ameliorating effect of jaundice in rheumatoid arthritis. Andersen RB, et al. **Scand J Rheumatol** 4(3):158-64, 1975

Simultaneous pharmacokinetics of benorylate in plasma and synovial fluid of patients with rheumatoid arthritis. Aylward M, et al. **Scand J Rheumatol [Suppl]** (13):9-12, 1975

Distribution of benorylate in plasma, synovial fluid and tissue in rheumatoid arthritis. Franke M, et al.
Scand J Rheumatol [Suppl] (13):13-7, 1975

The passage of benorylate into the synovial fluid and tissue of rheumatoid patients. Laine VA, et al.
Scand J Rheumatol [Suppl] (13):18-20, 1975

[Synovial condition in pulmonary osteoarthropathy associated with carcinoma of the lungs] Navrátil J.
Fysiatr Reumatol Vestn 53(6):363-8, Dec 75 **(Cze)**

[New information in the study of synovial fluid] Solnica J.
Biol Med (Paris) (1):55-64, Dec 71-Jan 72 (31 ref.) **(Fre)**

ANALYSIS

Isolation, purification and properties of a factor from rheumatoid synovial fluid activating the latent forms of collagenolytic enzymes. Wize J, et al. **Acta Biochim Pol** 22(3):239-50, 1975

Clinical pathology of synovial fluid. Teloh HA.
Ann Clin Lab Sci 5(4):282-7, Jul-Aug 75

Effect of intra-articular 90Y resin treatment on the chemical properties of synovial fluid in rheumatoid arthritis. Jalava S, et al. **Ann Clin Res** 7(3):211-5, Jun 75

Assessment of rheumatoid activity based on clinical features and blood and synovial fluid analysis. Farr M, et al.
Ann Rheum Dis 35(2):163-7, Apr 76

Synovial fluid examination in children. Sotelo-Avila C, et al. **J Tenn Med Assoc** 69(5):340, 343, May 76

Apatite deposition disease. A new arthropathy. Dieppe PA, et al. **Lancet** 1(7954):266-9, 7 Feb 76

Cholesterol-rich synovial effusions. Meyers OL, et al.
S Afr Med J 50(25):973-5, 12 Jun 76

Synovial fluid analysis and its clinical significance. Hüttl S, et al. **Scand J Rheumatol [Suppl]** (12 suppl):148-9, 1975

[Biochemical activity parameters in juvenile rheumatoid arthritis] pp. 139-42. Oppermann J, et al.
In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 133 1973. **(Ger)**

[Serum and synovial fluid levels of alpha-2-macroglobulin in rheumatoid arthritis] Ambanelli U, et al.
Ateneo Parmense [Acta Biomed] 45(1-2):5-15, Jan-APR 74 (Eng. Abstr.) **(Ita)**

[Blood and synovial concentrations of an inhibitor of C 1s esterase in rheumatoid arthritis] Ambanelli U, et al.
Reumatismo 24(4):245-50, Oct-Dec 72 (Eng. Abstr.) **(Ita)**

[Proteins and some synovial fluid components from patients with rheumatoid arthritis] Poniecki A.
Rocz Akad Med Bialymstoku 20:37-62, 1975 (Eng. Abstr.) **(Pol, hun)**

CYTOLOGY

Synovial membrane and fluid morphologic alterations in early rheumatoid arthritis: microvascular injury and virus-like particles. Schumacher HR Jr.
Ann NY Acad Sci 256:39-64, 13 Jun 75

Mononuclear cells in human synovial fluid. Identification of lymphoblasts in rheumatoid arthritis. Traycoff RB, et al.
Arthritis Rheum 19(4):743-8, Jul-Aug 76

Exfoliative cytology interpretation of synovial fluid in joint disease. Broderick PA, et al. **J Bone Joint Surg [Am]** 58(3):396-9, Apr 76

Predominance of synovial fluid lymphocytes in early rheumatoid arthritis. Gatter RA, et al. **J Rheumatol** 2(3):340-5, Sep 75

Monarthric arthritis caused by metastatic breast carcinoma. Value of cytologic study of synovial fluid. Moutsopoulos HM, et al. **JAMA** 234(1):75-6, 6 Oct 75

Letter: Sezary type cells in rheumatoid synovial fluid. van Leeuwen AW, et al. **Lancet** 1(7953):248-9, 31 Jan 76

Letter: T lymphocytes in rheumatoid synovia. Lertratanakul Y, et al. **N Engl J Med** 294(2):115, 8 Jan 76

Co-cultivation of human cell lines with synovial fluids of patients with rheumatoid arthritis. Mackay JM, et al. **Rheumatology** 6:346–52, 1975

Demonstration of collagen in synovial fluid cells of rheumatoid arthritis by immunofluorescence. Steffen C, et al. **Z Immunitaetsforsch** 143(3):252–63, May 72

Collagen-anticollagen immune complexes in rheumatoid arthritis synovial fluid cells. Steffen C, et al. **Z Immunitaetsforsch** 147(3):229–35, Aug 74

[On the importance of synovial biopsy in the diagnosis of rheumatoid diseases] Guiraudon C. **Biol Med (Paris)** 2(1):57–60, Apr 73 (Eng. Abstr.) **(Fre)**

[Immunofluorescence examination of synovial biopsies. Value of a quantitative evaluation of fluorescent cells in the study of monoarthritis] Degott C, et al. **Nouv Presse Med** 4(43):3051–4, 13 Dec 75 **(Fre)**

[Cytological examinations of synovial for judgement arthrotic conditions at knee joint (author's transl)] Weseloh G, et al. **Arch Orthop Unfallchir** 85(1):61–70, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Guidelines for synovial cytology] Kellner G, et al. **Z Rheumatol** 35(3-4):141–53, Mar–Apr 76 (Eng. Abstr.) **(Ger)**

[Cytology and histochemistry of synovial cells in various forms of arthritis] Kellner G, et al. **Z Rheumatol** 34(1–2):1–14, Jan–Feb 75 (Eng. Abstr.) **(Ger)**

[Cytophotometric DNA measurements in mononuclear round cells of synovial fluid] Mohr W, et al. **Z Rheumatol** 35(1–2):24–31, Jan–Feb 76 (Eng. Abstr.) **(Ger)**

[LE cells in the synovial fluid] Stěpán J, et al. **Z Rheumatol** 35(1–2):14–7, Jan–Feb 76 (Eng. Abstr.) **(Ger)**

[Neutrophil phagocytizing macrophages in the synovial fluid] Trotta F, et al. **Reumatismo** 24(3):205–12, Jul–Sep 72 (Eng. Abstr.) **(Ita)**

[Scanning electron microscopic study of the rheumatoid synovial fluid] Moriya S. **Ryumachi** 15(2):128–40, Jul 75 (Eng. Abstr.) **(Jpn)**

[Morphological changes in the joint tissues and synovial fluid in rheumatoid arthritis and arthrosis deformans] Duliapin VA. **Arkh Patol** 37(8):39–44, 1975 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

LDH and LDH isoenzymes of synovial fluid in the horse. Rejnö S. **Acta Vet Scand** 17(2):178–89, 1976

Erysipelas arthritis in swine: lysosomal enzyme levels in synovial fluids. Timoney JF Jr. **Am J Vet Res** 37(3):295–8, Mar 76

Complement-dependent phlogistic factors in rheumatoid synovial fluids. Ward PA. **Ann NY Acad Sci** 256:169–76, 13 Jun 75

Human serum and synovial fluid hyaluronidase—bovine testicular hyaluronidase is not a valid substitute in drug evaluation studies. Stephens RW, et al. **Biochem Pharmacol** 25(13):1507–11, 1 Jul 76

Purification of granulocyte neutral protease from human blood and rheumatoid synovial fluid. Pryce-Jones RH, et al. **Biochim Biophys Acta** 397(2):449–58, 26 Aug 75

A neutral protease in rheumatoid synovial fluid capable of attacking the telopeptide regions of polymeric collagen fibrils. Steven FS, et al. **Biochim Biophys Acta** 405(1):188–200, 9 Sep 75

Properties of beta-glucuronidase activity in human synovial fluid. Moro L, et al. **Clin Chim Acta** 65(3):371–7, 15 Dec 75

Neutral proteinase activity in the cells of synovial fluids from rheumatoid patients. pp. 227–45. Pryce-Jones RH, et al. **In: Burleigh PM, Poole AR, ed. Dynamics of connective tissue macromolecules. Amsterdam, North-Holland, 1975. QU 532.C7 S989d 1974.** (44 ref.)

The origins and relative distribution of polysaccharidases in rheumatoid and osteoarthritic fluids. Stephens RW, et al. **J Rheumatol** 2(4):393–400, Dec 75

N-acetyl-beta-D-hexosaminidase system in synovial fluid. Verbruggen G, et al. **Scand J Rheumatol** 5(1):39–46, 1976

[New research on synovial enzymology] Galmiche P, et al. **Rev Rhum Mal Osteoartic** 43(5):339–43, May 76 (Eng. Abstr.) **(Fre)**

[Collagen peptidase activity in rheumatoid arthritis] pp. 193–6. Hoffmann-Blume E. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 I33 1973.** **(Ger)**

[Lysozyme activity in synovial fluid and serum in rheumatoid arthritis and other exudative joint diseases] pp. 181–92. Zielke A, et al. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 I33 1973.** **(Ger)**

IMMUNOLOGY

A contribution to the synovial fluid immunopathology in rheumatoid arthritis and other arthropathies. Gimeno J, et al. **Allergol Immunopathol (Madr)** 3(4):185–204, Jul–Aug 75

Erysipelas arthritis in swine: concentrations of complement and third component of complement in synovia. Timoney JF Jr. **Am J Vet Res** 37(1):5–8, Jan 76

Transformation of human lymphocytes in vitro by autologous and allogeneic rheumatoid synovial fluids. Kinsella TD. **Ann Rheum Dis** 35(1):8–13, Feb 76

Serum and synovial fluid inhibitors of antibody-mediated lymphocytotoxicity in rheumatoid arthritis and systemic lupus erythematosus. **Arthritis Rheum** 19(2):142–9, Mar–Apr 76

Induction of peripheral blood lymphocyte transformation by autologous synovial fluid lymphocytes and synovial fluid. Crout JE, et al. **Arthritis Rheum** 19(3):523–31, May–Jun 76

Intraarticular activation of the complement system in patients with juvenile rheumatoid arthritis. Rynes RI, et al. **Arthritis Rheum** 19(2):161–8, Mar–Apr 76

Effect of aspirin on liver tests in patients with RA or SLE and in normal volunteers. Seaman WE, et al. **Arthritis Rheum** 19(2):155–60, Mar–Apr 76

Study of cellular immunity in rheumatoid arthritis: inhibition of leucocyte migration by a synovial extract. Kahan A, et al. **Biomedicine [Express]** 23(3):111–5, 10 Apr 75

Antiviral antibodies in rheumatoid synovial fluid and cryoprecipitates. Cremer NE, et al. **Clin Exp Immunol** 18(1):27–37, Sep 74

Antiviral antibodies in rheumatoid synovial fluid and cryoprecipitates. Cremer NE, et al. **Clin Exp Immunol** 18(1):27–37, Sep 74

Antibody-dependent direct cytotoxicity of human lymphocytes. II. Studies on peripheral blood lymphocytes, synovial fluid cells and sera from patients with rheumatoid arthritis. Scheinberg MA, et al. **Clin Exp Immunol** 24(2):323–7, May 76

Inactivation of C1 in rheumatoid synovial fluid, purfied C1 and C1 esterase, by gold compounds. Schultz DR, et al. **Clin Exp Immunol** 17(3):395–406, Jul 74

Antiviral antibodies in rheumatoid synovial fluid cryoprecipitates. pp. 211–2. Friou GJ. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (2 ref.)

Complement determinations in the synovial fluid and serum of a patient with Erythema nodosum leprosum. Louie JS, et al. **Int J Lepr** 43(3):252–5, Jul–Sep 75

Circulating and intra-articular immune complexes in patients with rheumatoid arthritis. Correlation of 125I-C1q binding activity with clinical and biological features of the disease. Zubler RH, et al. **J Clin Invest** 57(5):1308–19, May 76

Cellular and humoral immune parameters of synovial fluid and blood in rheumatoid arthritis. Dorwart BB, et al. **J Rheumatol** 2(4):363–72, Dec 75

Rheumatoid factors in serum and synovial fluid of the knee joint in reactive synovitis of local origin. Hrnčír Z, et al. **Rev Czech Med** 21(3):166–70, 1975

Suppression and stimulation of immunoglobulin synthesis by agents present in rheumatoid synovial effusions. Rosenthal M. **Rheumatol Rehabil** 15(2):71–6, May 76

Studies on synovial fluid lymphocytes in rheumatoid arthritis. Holborow EJ, et al. **Rheumatology** 6:215–8, 1975

Complement activation in seropositive and seronegative rheumatoid arthritis. 125I-C1q binding capacity and complement breakdown products in serum and synovial fluid. Lambert PH, et al. **Rheumatology** 6:52–9, 1975

Enhancement of immunoglobulin and rheumatoid factor synthesis by rheumatoid synovial effusions and synovial membrane culture supernatants. Rosenthal M, et al. **Rheumatology** 6:87–9, 1975

Connective tissue activation. X. Current studies of the process and its mediators. Castor CW, et al. **Scand J Rheumatol [Suppl]** (12 suppl):41–54, 1975

[Monoclonal gammopathy with IgG paraprotein in the synovial fluid (paraproteino-synovia)] Hrnčr Z, et al. **Fysiatr Reumatol Vestn** 54(2):71–5, Apr 76 (Eng. Abstr.) **(Cze)**

[Antigens of the synovial fluid. I. Immunodiffusion and electrophoretic studies] Abendroth K, et al. **Z Rheumatol** 34(9–10):329–35, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Stimulation of immunoglobin synthesis and rheumatoid-factor production by rheumatoid synovial effusions and by supernatants of synovial tissue cultures] Rosenthal M. **Z Rheumatol** 35(1–2):1–13, Jan–Feb 76 (Eng. Abstr.) **(Ger)**

[Isoelectric focusing studies of synovial fluid in rheumatoid arthritis] Seyfarth M, et al. **Z Rheumatol** 35(1–2):72–6, Jan–Feb 76 (Eng. Abstr.) **(Ger)**

[Blood and synovial levels of 2 complement fractions] Ambanelli U, et al. **Reumatismo** 24(3):233–40, Jul–Sep 72 (Eng. Abstr.) **(Ita)**

[Complement in rheumatoid articular inflammation] Bolo̧iu HD, et al. **Rev Med Intern [Med Intern]** 27(6):469–74, Nov–Dec 75 (Eng. Abstr.) **(Rum)**

[Capacity for in vitro growth and the character of synovial fluid cell transformation in rheumatoid arthritis patients] Trunova LA, et al. **Biull Eksp Biol Med** 80(11):105–7, Nov 75 **(Rus)**

[Content of immunoglobulins IgG, IgA and IgM in the blood serum and synovial fluid under normal conditions] Tokmachev IuK, et al. **Vopr Revm** 00(02):31–5, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Tuberculous arthritis: A report of two cases with review of biopsy and synovial fluid findings. Wallace R, et al. **Am J Med** 61(2):277–82, Aug 76

The fate of isolated segments of flexor tendons within the digital sheath—a study in synovial nutrition. Matthews P. **Br J Plast Surg** 29(3):216–24, Jul 76

Simultaneous pharmacokinetics of alclofenace in plasma and synovial fluid in patients with rheumatoid arthritis. Thomas GM, et al. **Curr Med Res Opin** 3(5):264–7, 1975

On the fundamental fluid transport mechanisms through normal and pathological articular cartilage during function—I. The formulation. Torzilli PA, et al. **J Biomech** 9(8):541–52, 1976

Factors affecting the solubility of calcium pyrophosphate dihydrate crystals. Bennett RM, et al. **J Clin Invest** 56(6):1571–9, Dec 75

Impaired blastogenic response of lymphocytes from synovial fluid and peripheral blood of patients with rheumatoid arthritis. Hepburn B, et al. **J Rheumatol** 3(2):118–23, Jun 76

A comparative study of the protein pattern in serum and synovial fluid. Willumsen L, et al. **Scand J Rheumatol** 4(4):234–40, 1975

Serum and synovial fluid concentrations of alpha2 macroglobulin and alpha2 neuroamino-glycoprotein in rheumatoid arthritis. Ambanelli U, et al. **Z Rheumatol** 34(11–12):408–12, Nov–Dec 75

[Biochemical data in synovial fluid of rheumatoid arthritis patients] pp. 173–80. Reinelt D, et al. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 I33 1973.** **(Ger)**

MICROBIOLOGY

Preliminary observations on an isolate from synvoial fluid of patients with rheumatoid arthritis. Markham JG, et al. **Ann Rheum Dis** 35(1):1–7, Feb 76

HB-antigen in serum and synovialis in acute hepatitis with and without polyarthritis. Baenkler HW, et al. **Klin Wochenschr** 53(19):927–8, 1 Oct 75

[Morphology of Halprowia (Chlamydia) isolated in Reiter's syndrome] Shatkin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):60–4, Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Viscosity of equine synovial fluid. Rejnö S. **Acta Vet Scand** 17(2):169–77, 1976

Lubrication of synovial membrane. Cooke AF, et al. **Ann Rheum Dis** 35(1):56–59, Feb 76

Pathological human synovial fluids. Viscosity and boundary lubricating properties. Reimann I. **Clin Orthop** (119):237–41, Sep 76

Prostaglandin concentrations in synovial fluid in rheumatic diseases: action of indomethacin and aspirin. pp. 223–8. Robinson DR, et al. **In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.**

[The synovial pump of the knee-joint (author's transl)] Menschik A. **Z Orthop** 114(1):89–94, Feb 76 (Eng. Abstr.) **(Ger)**

[Articular lubrication under normal and pathological conditions: therapeutic consequences] Bolo̧iu HD, et al. **Rev Med Intern [Med Intern]** 27(4):243–8, Jul–Aug 75 **(Rum)**

SECRETION

Proceedings: Joint effusions and chondrocalcinosis in hypothyroidism. Dorwart BB, et al. **Arthritis Rheum** 18(5):529, Sep–Oct 75

Traumatic joint effusion and the synovium. Schumacher HR. **J Sports Med** 3(3):108–14, May–Jun 75

SYNOVIAL MEMBRANE

Synovial chondromatosis. Christensen JH, et al. **Acta Orthop Scand** 46(6):919–25, Dec 75

Synovial chondromatosis of the inferior radio-ulnar joint. Lyritis G. **Acta Orthop Scand** 47(4):373–4, Aug 76

Synovial chondromatosis of the metacarpophalangeal joint. Szepesi J. **Acta Orthop Scand** 46(6):926–30, Dec 75

Synovial osteochondromatosis involving the elbow. Giustra PE, et al. **Am J Roentgenol** 127(2):347–8, Aug 76

Arthrographic diagnosis of synovial chondromatosis. Prager RJ, et al. **Am J Roentgenol** 127(2):344–6, Aug 76

Radiation synovectomy of the rheumatoid knee with yttrium 90. Oka M. **Ann Clin Res** 7(3):205–10, Jun 75

Recent insights into the pathogenesis of the proliferative lesion in rheumatoid arthritis. Harris ED Jr. **Arthritis Rheum** 19(1):68–72, Jan–Feb 76 (44 ref.)

Synovial chondromatosis of the shoulder. Varma BP, et al. **Aust NZ J Surg** 46(1):44–5, Feb 76

Letter: Radioisotope synovectomy. Bowen BM, et al. **Can Med Assoc J** 113(9):815, 8 Nov 75

The origin and nature of pseudo-synovium appearing around implanted Silastic rods: an experimental study. Rayner CR. **Hand** 8(2):101–8, Jun 76

Cellular immunity to synovial extracts and to IgG in rheumatoid arthritis. pp. 479–82. Bacon PA, et al. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (8 ref.)

Pseudogout mimicking synovial chondromatosis. Ellman MH, et al. **J Bone Joint Surg [Am]** 57(6):863–5, Sep 75

Nonsurgical synovectomy. Oka M, et al. **Scand J Rheumatol [Suppl]** (12 suppl):132–3, 1975

[Early isotopic synoviorthesis during rheumatoid polyarthritis (RP)] Roux H, et al. **Rev Rhum Mal Osteoartic** 43(5):327–32, May 76 (Eng.

Abstr.) (Fre)
[Letter: Chondromatosis synovialis] Sattel W. **Dtsch Med Wochenschr** 100(42):2183, 17 Oct 75 (Ger)
[Regeneration of the synovia (author's transl)] Schulitz KP. **Z Orthop** 114(2):161–76, Apr 76 (Eng. Abstr.) (Ger)
[Bilateral synovial osteochondromatosis in identical joints] Torok G. **Harefuah** 90(7):311–3, 1 Apr 76 (Eng. Abstr.) (Heb)
[Chondrometaplasia synovialis] Witwicki T, et al. **Chir Narzadow Ruchu Ortop Pol** 40(5):591–8, 1975 (Eng. Abstr.) (Pol)

ANALYSIS

Type III collagen: A major constituent of rheumatoid and normal human synovial membrane. Eyre DR, et al. **Connect Tissue Res** 4(1):11–16, 1975
Electron microscopic autoradiography of 35SO4–labelled material closely associated with collagen fibrils in mammalian synovium and ear cartilage. Myers DB. **Histochem J** 8(2):191–9, Mar 76
Letter: Polymeric type–III collagen in inflamed human synovia. Weiss JB, et al. **Lancet** 2(7941):917, 8 Nov 75
[Study of glycoprotein extracted from synovial membranes of oxen] Sarget C, et al. **Pathol Biol (Paris)** 24(5):319–24, May 76 (Eng. Abstr.) (Fre)
[Non–specific change in distribution pattern of acid mucopolysaccharides in synovial membrane in rheumatoid arthritis] pp. 234–42. Kittlick PD, et al. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich–Schiller–Univ, 1974. WE 346 133 1973.** (Ger)
[Isolation of proteoglycans from synovial membrane and articular cartilage in rheumatoid arthritis] pp. 217–25. Schramm G. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich–Schiller–Univ, 1974. WE 346 133 1973.** (Ger)

ANATOMY & HISTOLOGY

Light and electron microscopic investigation of equine synovial membrane. A comparison between healthy joints and joints with intraarticular fractures and osteochondrosis dissecans. Johansson HE, et al. **Acta Vet Scand** 17(2):153–68, 1976

BLOOD SUPPLY

Effects of prostaglandins PGE1, PGE2, PGF1alpha, and PGF2gamma on the synovial microcirculation. Grennan DM, et al. **Ann Rheum Dis** 34(6):540–1, Dec 75
Studies on the relative effects of prostaglandins, bradykinin, 5–hydroxytryptamine and histamine on the synovial microcirculation in dogs. Dick WC, et al. **Br J Pharmacol** 56(3):313–6, Mar 76
[Behaviour of synovial blood vessels in semi–thin sections in progressive chronic polyarthritis] Hertel E, et al. **Z Rechtsmed** 34(5–6):155–61, May–Jun 75 (Eng. Abstr.) (Ger)
[Vascular changes of the articular tissues in rheumatoid arthritis] Kubota A, et al. **Ryumachi** 15(4):355–8, Dec 75 (Jpn)
[Venous stasis and state of the microcirculatory bed in the synovial membranes] Manukian LA. **Biull Eksp Biol Med** 81(4):499–501, 1976 (Eng. Abstr.) (Rus)
[State of the vessels of synovial membranes in experimental arthritis and synovitis] Khachatrian SA, et al. **Eksp Khir Anesteziol** (5):37–40, Sep–Oct 75 (Eng. Abstr.) (Rus)

CYTOLOGY

Sensory innervation of finger flexor tendons and their synovio–aponeurotic sheaths. Neuromorphological and histochemical study. Rozovskaya TP, et al. **Acta Chir Plast (Praha)** 17(3):125–31, 1975
Synovial cell activation induced by a polypeptide mediator. Castor CW. **Ann NY Acad Sci** 256:304–17, 13 Jun 75
[Morphometric investigations' on synovial membranes of human knee joints. Statistical analysis (author's transl)] Huth F, et al. **Z Orthop** 113(6):1005–10, Dec 75 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Ultrastructural changes produced in rheumatoid synovial membrane by chrysotherapy. Ghadially FN, et al. **Ann Rheum Dis** 35(1):67–72, Feb 76
Letter: Levamisole in rheumatoid arthritis. Yaron M, et al. **Lancet** 1(7955):369, 14 Feb 76
The effects of prostaglandins PGE1, PGE2, PGF1a, and PGF2alpha on canine synovial perfusion. Grennan DM, et al. **Prostaglandins** 9(5):799–816, May 75
Evolution of aurosomes in rabbit synovial membrane. Oryschak AF, et al. **Virchows Archiv [Cell Pathol]** 20(1):29–39, 11 Feb 76

ENZYMOLOGY

Acid, neutral, and alkaline hydrolases in arthritic synovium. Kar NC, et al. **Am J Clin Pathol** 65(2):220–8, Feb 76 (65 ref.)
Collagenase production by human synovial tissues. Krane SM. **Ann NY Acad Sci** 256:289–303, 13 Jun 75
Purification and properties of a specific collagenase from rabbit synovial fibroblasts. Werb Z, et al. **Biochem J** 151(3):645–53, Dec 75
Purification of rheumatoid synovial collagenase and its action on soluble and insoluble collagen. Woolley DE, et al. **Eur J Biochem** 54(2):611–22, Jun 75
A comparison of the effect of flurbiprofen on prostaglandin synthetase from human rheumatoid synovium and enzymatically active animal tissues. Crook D, et al. **J Pharm Pharmacol** 28(6):535, Jun 76
Prostaglandin synthetase activity from human rheumatoid synovial tissue and its inhibition by non–steroidal anti–inflammatory drugs. Crook D, et al. **Prostaglandins** 9(6):857–65, Jun 75
[Experimental study of the synthesis of lysosomal enzymes by the synovial membrane: acid phosphatases] Thouveny F, et al. **Rev Rhum Mal Osteoartic** 43(6):397–402, Jun 76 (Eng. Abstr.) (Fre)
[Enzyme histochemical studies of synovial membranes in rheumatoid arthritis] pp. 226–33. Geiler G, et al. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich–Schiller–Univ, 1974. WE 346 133 1973.** (Ger)

IMMUNOLOGY

Localization of antigen–antibody complexes in intraarticular collagenous tissues. Cooke TD, et al. **Ann NY Acad Sci** 256:10–24, 13 Jun 75
Search for antigen in rheumatoid synovial macrophages. Runge LA. **Ann Rheum Dis** 35(2):133–7, Apr 76
Predominance of T cells in the lymphocytic infiltrates of synovial tissues in rheumatoid arthritis. Bankhurst AD, et al. **Arthritis Rheum** 19(3):555–62, May–Jun 76
Electron microscopic observations of immunoreactive cells in the rheumatoid synovial membrane. Ishikawa H, et al. **Arthritis Rheum** 19(1):1–14, Jan–Feb 76
Presence of antibodies specific to cartilage–type collagen in rheumatoid synovial tissue. Mestecky J, et al. **Clin Exp Immunol** 22(3):453–6, Dec 75
Enhancement of immunoglobulin and rheumatoid factor synthesis by rheumatoid synovial effusions and synovial membrane culture supernatants. Rosenthal M, et al. **Rheumatology** 6:87–9, 1975
Blood and tissue distribution of lymphocytes in rheumatoid arthritis. Williams RC Jr. **Rheumatology** 6:219–30, 1975
Response of synovial immunocytes to intra–articular agents in experimental arthritis. Isomäki AM, et al. **Scand J Rheumatol** 4(3):129–33, 1975
Connective tissue activation. X. Current studies of the process and its mediators. Castor CW, et al. **Scand J Rheumatol [Suppl]** (12 suppl):41–54, 1975
[Quantitative determination of immunoglobulins in the synovial membrane changed by inflammation] Jaster D, et al. **Beitr Orthop Traumatol** 23(4):177–9, Apr 76 (Ger)

INJURIES

Increased vascular permeability evoked by mechanical trauma and haemarthrosis in synovium of the rat. Bignold LP, et al. **Pathology** 7(4):263–71, Oct 75

INNERVATION

Innervation of the synovial membrane of the cats joint capsule. Halata Z, et al. **Cell Tissue Res** 169(3):415–8, 28 Jun 76

METABOLISM

Connective tissue activation: VIII. The effects of temperature studied in vitro. Castor CW, et al. **Arch Phys Med Rehabil** 57(1):5–9, Jan 76
Effects of antirheumatic drugs on sponge–induced granulation tissue, rheumatoid synovial tissue, matrix–free tendon cells and fibroblast plasma membranes in vitro. Kulonen E, et al. **Biochem Pharmacol** 24(18):1671–8, 15 Sep 75
Collagen in rheumatoid arthritis. Adam M, et al. **Clin Chim Acta** 70(1):61–9, 1 Jul 76
Cephaloridine penetration into bone and synovial capsule of patients undergoing hip joint replacement. Hughes SP, et al. **J Antimicrob Chemother** 1(3 Suppl):41–6, 1975
Prostaglandin–stimulated bone resorption by rheumatoid synovia. A possible mechanism for bone destruction in rheumatoid arthritis. Robinson DR, et al. **J Clin Invest** 56(5):1181–8, Nov 75
PGE1–mediated cyclic AMP refractoriness: effects of cycloheximide and indomethacin. Ciosek CP Jr, et al. **J Cyclic Nucleotide Res** 1(4):229–35, 1975
Letter: Type–III collagen in synovium. Eyre DR, et al. **Lancet** 2(7935):609–10, 27 Sep 75
Corticosteroids inhibit prostaglandin production by rheumatiod synovia. Kantrowitz F, et al. **Nature** 258(5537):737–9, 25 Dec 75
Production of collagenase and prostaglandins by isolated adherent rheumatoid synovial cells. Dayer JM, et al. **Proc Natl Acad Sci USA** 73(3):945–9, Mar 76
Human synoviocytes: activation and desensitization by prostaglandins and 1–epinephrine. Newcombe DS, et al. **Proc Natl Acad Sci USA** 72(8):3124–8, Aug 75
Distribution of benorylate in plasma, synovial fluid and tissue in rheumatoid arthritis. Franke M, et al. **Scand J Rheumatol [Suppl]** (13):13–7, 1975
The passage of benorylate into the synovial fluid and tissue of rheumatoid patients. Laine VA, et al. **Scand J Rheumatol [Suppl]** (13):18–20, 1975
Prostaglandin–induced bone resorption by rheumatoid synovia. Robinson DR, et al. **Trans Assoc Am Physicians** 88:146–60, 1975
[Transport enzyme systems in connective tissue in rheumatoid arthritis] pp. 167–72. Richter A. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich–Schiller–Univ, 1974. WE 346 133 1973.** (Ger)
[The presence of fluorescein–conjugated antibodies in synovial tissues of rheumatic joints] Hertel E, et al. **Z Rheumatol** 35(5–6):195–200, May–Jun 76 (Eng. Abstr.) (Ger)
[The synovial membrane in rheumatoid arthritis: change in the glycosaminoglycan pattern] Kittlick PD, et al. **Z Rheumatol** 35(5–6):188–94, May–Jun 76 (Eng. Abstr.) (Ger)
[Mucopolysaccharide distribution in the synovial membrane of the joint and in the articular cartilages in rheumatoid arthritis—histochemical and ultrastructural observations] Watanabe Y, et al. **Ryumachi** 15(4):352–4, Dec 75 (Jpn)
[Rheumatoid synovial membrane in long–term culture] Abgarowicz–Milkowska T, et al. **Reumatologia** 14(1):23–5, 1976 (Eng. Abstr.) (Pol)

MICROBIOLOGY

Attempts to identify viruses in rheumatoid synovial cells. Norval M, et al. **Ann Rheum Dis** 35(2):106–13, Apr 76
Specific detection and semiquantitation of microorganisms in tissue by nucleic acid hybridization. II. Investigation of synovia from pigs with chronic Erysipelothrix arthritis. Steinman CR, et al. **Arthritis Rheum** 19(1):38–42, Jan–Feb 76
Virus–like particles and some ultrastructural aspects of lymphoreticular cells in rheumatoid synovial membrane. pp. 225–33. Neumark T, et al. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (41 ref.)

PATHOLOGY

The role of the lymphocyte and its products in the propagation of joint disease. Pearson CM, et al. **Ann NY Acad Sci** 256:150–68, 13 Jun 75
Synovial membrane and fluid morphologic alterations in early rheumatoid arthritis: microvascular injury and virus–like particles. Schumacher HR Jr. **Ann NY Acad Sci** 256:39–64, 13 Jun 75
Pathology of the synovial membrane in gout. Light and electron microscopic studies. Interpretation of crystals in electron micrographs. Schumacher HR. **Arthritis Rheum** 18(6 Suppl):771–82, Nov–Dec 75
Proliferative and exudative features of the rheumatoid synovium. pp. 413–6. Geiler G. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (19 ref.)
Primary synovial chondromatosis of the ankle. A case report. Holm CL. **J Bone Joint Surg [Am]** 58(6):878–80, Sep 76
Cytotoxic activity of rheumatoid and normal lymphocytes against allogeneic and autologous synovial cells in vitro. Griffiths MM, et al. **J Clin Invest** 58(3):613–22, Sep 76
The cytotoxicity of leukocytes and lymphocytes from patients with rheumatoid arthritis for synovial cells. Person DA, et al. **J Clin Invest** 58(3):690–8, Sep 76
Letter: T lymphocytes in rheumatoid synovia. Lertratanakul Y, et al. **N Engl J Med** 294(2):115, 8 Jan 76
Proliferation of synovial tissue cells in rats with adjuvant disease. Mohr W, et al. **Pathol Microbiol (Basel)** 43(1):1–9, 1975
Needle biopsy of the synovium of children. Jacobs JC, et al. **Pediatrics** 57(5):696–701, May 76
[Synovial condition in pulmonary osteoarthropathy associated with carcinoma of the lungs] Navrátil J. **Fysiatr Reumatol Vestn** 53(6):363–8, Dec 75 (Cze)
[New knowledge in the histopathology and immunohistology of rheumatoid arthritis] pp. 9–26. Geiler G. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich–Schiller–Univ, 1974. WE 346 133 1973.** (52 ref.) (Ger)
[The articular capsule in idiopathic hypertrophic osteoarthropathy (author's transl)] Klein W, et al. **Z Orthop** 114(2):177–82, Apr 76 (Eng. Abstr.) (Ger)
[The value of synovial biopsies in the diagnosis of rheumatoid arthritis and in estimating local inflammatory activity] Püschel W, et al. **Z Rheumatol** 35(7–8):278–85, Jul–Aug 76 (Eng. Abstr.) (Ger)
[Morphology of yttrium–90 treated experimental arthritis] Witting C, et al. **Z Rheumatol** 34(11–12):367–72, Nov–Dec 75 (Eng. Abstr.) (Ger)
[Changes of the synovial membrane in sarcoidosis] Fumagalli O, et al. **Clin Ortop** 25(2):93–101, Apr–Jun 74 (Eng. Abstr.) (Ita)
[Behavior of rheumatoid synovial membrane in vitro] Abgarowicz–Milkowska T, et al. **Reumatologia** 14(2):151–6, 1976 (Eng. Abstr.) (Pol)
[Reactions of synovial membrane in pig joints in acute generalized infections] Lipinska M. **Reumatologia** 14(2):139–9, 1976 (Eng. Abstr.) (Pol)
[Objective evaluation of the results of biopsy studies of synovial membrane in collegen diseases (preliminary report)] Gritsman NN, et al. **Vopr Revm** (4):12–6, Oct–Dec 75 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Two-porous-layers lubrication in human synovial joints. Dinnar U. **Ann Biomed Eng** 4(1):91–107, Mar 76

Lubrication of synovial membrane. Cooke AF, et al. **Ann Rheum Dis** 35(1):56–59, Feb 76

Function of chondral membrane on surface of articular cartilage from point of view of its mechanical resistance. Wolf J. **Folia Morphol (Praha)** 23(1):77–87, 1975

Synovial regeneration and articular cartilage changes after synovectomy in normal and steroid-treated rabbits. Bentley G, et al. **J Bone Joint Surg [Br]** 57(4):454–62, Nov 75

The role of the digital synovial sheath in tendon grafting. An experimental and clinical study on autologous tendon grafting in the digit. Eiken O, et al. **Scand J Plast Reconstr Surg** 9(3):182–9, 1975

[Experience with the Fassbender classification scales in the histological rating of synovectomy materials] pp. 27–33. Müller P.
In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 I33 1973. **(Ger)**

PHYSIOPATHOLOGY

Non-surgical synovectomy. (Basic principles). Vykydal M. **Adv Clin Pharmacol** 6:121–5, 1974

RADIATION EFFECTS

Yttrium-90 citrate colloid for radioisotope synovectomy. Bowen BM, et al. **Am J Hosp Pharm** 32(10):1027–30, Oct 75

SURGERY

Synovectomy of the elbow in rheumatoid arthritis. Brattström H, et al. **Acta Orthop Scand** 46(5):744–50, Nov 75

Experience with knee synovectomy in Norwich, 1964–1973. Jones D, et al. **Acta Orthop Scand** 47(4):423–31, Aug 76

Rheumatoid arthritis of the elbow. Pattern of joint involvement, and results of synovectomy with excision of the radial head. Stein H, et al. **Ann Rheum Dis** 34(5):403–8, Oct 75

Leukocyte and serum alkaline phosphatase after hip arthroplasty, synovectomy of the knee and fracture. Carlsson A, et al. **Clin Orthop** (114):265–9, Jan–Feb 76

Preventive surgery – tenosynovectomy and synovectomy. Millender LH, et al. **Orthop Clin North Am** 6(3):765–92, Jul 75 (22 ref.)

Volar tenosynovectomy in the rheumatoid hand. Eiken O, et al. **Scand J Plast Reconstr Surg** 10(1):59–63, 1976

Flexor tendon synovectomy of the hand in rheumatoid arthritis. A follow-up study of 201 operated hands. Dahl E, et al. **Scand J Rheumatol** 5(2):103–7, 1976

Synovectomy of rheumatoid joints. Pahle J, et al. **Scand J Rheumatol [Suppl]** (12 suppl):153–4, 1975

[Synovectomies of the knee. Apropos of 47 cases of tuberculous synovitis] Banaï M, et al. **Acta Orthop Belg** 41(3):335–45, May–Jun 75 **(Fre)**

[Synovectomies of the knee. Apropos of 47 cases tuberculous synovitis] Banai M, et al. **J Chir (Paris)** 111(4):459–69, Apr 76 (Eng. Abstr.) **(Fre)**

[Dorsal tenosynovectomy of the wrist in rheumatoid arthritis. Results obtained in 30 cases] Nordin JY, et al. **Rev Rhum Mal Osteoartic** 43(4):291–6, Apr 76 (Eng. Abstr.) **(Fre)**

[The importance, indication and operative technique of dorsal synovectomy of the knee joint in rheumatic diseases (author's transl)] Tillmann K. **Arch Orthop Unfallchir** 85(2):211–5, 23 Jul 76 (Eng. Abstr.) **(Ger)**

[Importance of synovectomy in the treatment of tuberculosis of the joints] Crasselt C. **Beitr Orthop Traumatol** 23(4):188–94, Apr 76 **(Ger)**

[Synovectomy in the prevention of recurrent joint bleedings in haemophilia (author's transl)] Schwägerl W, et al. **Dtsch Med Wochenschr** 101(19):738–43, 7 May 76 (Eng. Abstr.) **(Ger)**

[Is the activity of rheumatoid arthritis affected by repeated surgical operations?(author's transl)] Jäger M, et al. **Munch Med Wochenschr** 117(45):1797–1804, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Synovectomy and prosthetic substitution of rheumatic knee joints (author's transl)] Witt AN, et al. **Munch Med Wochenschr** 117(29–30):1239–42, 18 Jul 75 (Eng. Abstr.) **(Ger)**

[Synovectomy in rheumatoid arthritis in childhood] Jaster D. **Paediatr Grenzgeb** 14(2):133–9, 1975 (Eng. Abstr.) **(Ger)**

[Synovectomy in rheumatoid arthritis of the knee, radiologic investigations (author's transl)] Weigand H, et al. **Radiologe** 16(2):63–71, Feb 76 (Eng. Abstr.) **(Ger)**

[Surical synovectomy: a critical analysis of results] Gschwend N, et al. **Z Rheumatol** 35(1–2):32–66, Jan–Feb 76 **(Ger)**

[Influence of knee synovectomy on the disease course in PCP patients] Winer J, et al. **Z Rheumatol** 35(3–4):173–84, Mar–Apr 76 (Eng. Abstr.) **(Ger)**

[Significance of surgical management of chronic rheumatoid arthritis with special reference to the inflammatory period] Mori E. **Ryumachi** 15(4):383–5, Dec 75 **(Jpn)**

[Surgical or isotopic synovectomy?] Fazakas I, et al. **Rev Chir [Chir]** 24(3):193–8, May–Jun 75 (Eng. Abstr.) **(Rum)**

[Indications for early synovio-capsulectomy in children with infectious nonspecific (rheumatoid) polyarthritis] Dedova VD, et al. **Ortop Travmatol Protez** (8):26–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Remote results of subtotal synovectomy of the knee joint in adults with tuberculous synovitis] Zvantseva VA. **Probl Tuberk** (8):46–50, 1975 (Eng. Abstr.) **(Rus)**

[Use of radioactive colloid gold/198 Audispersed in olive oil in conservative synovectomy in rheumatoid arthritis] Ignat'ev VK, et al. **Vopr Revm** 00(02):44–6, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Significance and value of subtotal synovectomy in posttraumatic gonitis (author's transl)] Červeňanský J, et al. **Bratisl Lek Listy** 64(6):704–13, Dec 75 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

Ultrastructure of the synovial membrane. Schumacher HR Jr. **Ann Clin Lab Sci** 5(6):489–98, Nov–Dec 75

Nuclear fibrous lamina in the rheumatoid synovium. Oryschak AF, et al. **Arch Pathol Lab Med** 100(4):218–20, Apr 76

Electron microscopic studies of the cartilage–pannus junction in rheumatoid arthritis. Kobayashi I, et al. **Arthritis Rheum** 18(5):475–83, Sep–Oct 75

Fine structural analysis of rabbit synovial cells. II. Fine structure and rosette-forming cells of explant and monolayer cultures. Krey PR, et al. **Arthritis Rheum** 19(3):581–92, May–Jun 76

Cellular contacts in the synovial membrane of the cat and the rabbit: an ultrastructural study. Groth HP. **Cell Tissue Res** 164(4):52541, 18 Dec 75

Aurosome formation in articular tissues after parenteral administration of gold. Oryschak AF, et al. **J Pathol** 119(3):183–5, Jul 76

Microscopic comparison of the synovial changes in rheumatoid arthritis and ostroarthritis. Soren A, et al. **Z Rheumatol** 35(7–8):249–63, Jul–Aug 76

[Pigmented villonodular synovitits of the hip: ultrastructure and aspects on scanning electron microscopy] Gaucher A, et al. **Rev Rhum Mal Osteoartic** 43(5):357–62, May 76 (Eng. Abstr.) **(Fre)**

[Application of scanning electron microscopy in the evaluation of iron content of human synovial membrane] Gaucher A, et al. **Sem Hop Paris** 52(25–28):1543–4, 10–20 Jun 76 **(Fre)**

[Changes in the ultrastructure of the synovial membrane during growth and aging] Wassilev W. **Verh Anat Ges** 69:427–31, 1975 (Eng. Abstr.) **(Ger)**

[Electron microscopy of malignant synovialoma] Klein W. **Z Orthop** 113(4):801–4, Aug 75 **(Ger)**

SYNOVIOMA

Synovial sarcoma: a case report. Thunold J, et al. **Acta Orthop Scand** 47(2):231–5, Apr 76

[Synovial sarcoma in the region of the head and neck] Loubser JS. **S Afr Med J** 50(29):1149–50, 10 Jul 76 (Eng. Abstr.) **(Afr)**

[Malignant synovialoma] Basso L, et al. **Arch E Maragliano Patol Clin** 30(2):283–9, Jul–Dec 74 **(Ita)**

[An unusual localization of a benign synovioma] Porsia F. **Minerva Med** 66(62):3224–7, 22 Sep 75 **(Ita)**

DIAGNOSIS

Synovial sarcoma of the laryngopharynx. Gatti WM, et al. **Arch Otolaryngol** 101(10):633–6, Oct 75

PATHOLOGY

Poorly differentiated synovial sarcoma. A light and electron microscopic study. Fernandez BB, et al. **Arch Pathol Lab Med** 100(4):221–3, Apr 76

A malignant tumor of the vagina resembling synovial sarcoma: a light and electron microscopic study. Okagaki T, et al. **Cancer** 37(5):2306–20, May 76

Giant cell tumor of tendon sheath(benign synovioma). Coster AA. **J Am Podiatry Assoc** 66(7):538–41, JUL 76

Synovial sarcoma of the neck: report of case. Mitcherling JJ, et al. **J Oral Surg** 34(1):64–9, Jan 76

Rare tumors of the ear, nose and throat: synovial sarcoma of the head and neck. Lockey MW. **South Med J** 69(3):316–20, Mar 76

Benign synovioma (pigmented villonodular synovitis). Mathews RS, et al. **Surg Forum** 26:513–5, 1975

Synovial sarcoma of the larynx. Miller LH, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):448–51, Sep–Oct 75

[Electron microscopy of malignant synovialoma] Klein W. **Z Orthop** 113(4):801–4, Aug 75 **(Ger)**

[Malignant giant cell synoviomas] Rukavishnikova VG. **Vopr Onkol** 21(7):37–43, 1975 **(Rus)**

[Synovial sarcoma of the oral cavity (foramen caecum) Report of a case and review of the literature] Guzmán Patraca C, et al. **Prensa Med Mex** 40(7–8):215–20, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Malignant synovialoma (author's transl)] Schnepper E, et al. **Radiologe** 16(1):14–20, Jan 76 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Synovial sarcoma with brain metastases. Report of a case responding to supervoltage irradiation and review of the literature. Kaufman J, et al. **Cancer** 38(1):96–9, Jul 76

SURGERY

Synovial sarcoma of the tongue: report of a case. Ghodsi S, et al. **Acta Med Iran** 17(3–4):155–60, Dec 74

Benign synovioma of the foot. A case report. Hofbauer OG. **J Am Podiatry Assoc** 66(7):542–3, JUL 76

Synovial sarcoma. A case report of foot involvement. Jaworek TA. **J Am Podiatry Assoc** 66(7):544–6, JUL 76

THERAPY

[Malignant neoplasms in soft-tissue demand team-work] Franzén S, et al. **Lakartidningen** 72(44):4268–72, 29 Oct 75 (Eng. Abstr.) **(Swe)**

SYNOVITIS

Cryptococcosis (torulosis, European blastomycosis) of the knee joint. A case report with review of the literature. Chand K, et al. **Acta Orthop Scand** 47(4):432–5, Aug 76

[Hemopigmented villo-nodular synovitis and radioisotopic synoviorthesis] D'eshougues JR, et al. **Lille Med** 20(5):438–46, May 75 **(Fre)**

[Pigmented villonodular synovitis (author's transl)] Deckel S, et al. **Harefuah** 90(9):436–9, 2 May 76 (Eng. Abstr.) **(Heb)**

[Pigmented, villonodular synovitis, tenosynovitis and bursitis (study of 75 cases)] Campanacci M, et al. **Chir Organi Mov** 61(6):675–86, 1975 (Eng. Abstr.) **(Ita)**

[Plica alaris incarcerata (morbus Hoffa)] Haukeland W. **Tidsskr Nor Laegeforen** 95(33):1912, 30 Nov 75 (Eng. Abstr.) **(Nor)**

BLOOD

[Biochemical and haematological findings in rheumatic synovitis (author's transl)] Brozmanová E, et al. **Acta Chir Orthop Traumatol Cech** 43(2):162–8, May 76 (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

Giant cell synovitis associated with failed polyethylene patellar replacements. Ewald FC, et al. **Clin Orthop** (115):213–9, Mar–Apr 76

[Experimental synovitis induced with phytostimulin: histological and histochemical findings. Preliminary note] Crespi M, et al. **Reumatismo** 24(2):158–9, Apr–Jun 72 **(Ita)**

COMPLICATIONS

Bone lesions in pigmented villonodular synovitis. Pantazopoulos T, et al. **Acta Orthop Scand** 46(4):579–92, Sep 75

Giant synovial cyst of the calf and thigh in a patient with granulomatous synovitis. Iacono V, et al. **Clin Orthop** (115):220–4, Mar–Apr 76

Chronic synovitis in gout simulating rheumatoid arthritis. Demonstration of bilateral popliteal cysts and wrist synovial corrugation. Trentham ED, et al. **JAMA** 235(13):1358–60, 29 Mar 76

Destructive monarthritis and granulomatous synovitis as the presenting manifestations of Crohn's disease. Frayha R, et al. **Johns Hopkins Med J** 137(4):151–5, Oct 75

Letter: Granulomatous synovitis and Crohn's disease. Bayless TM, et al. **N Engl J Med** 294(16):903, 15 Apr 76

Synovitis in polymyalgia rheumatica. Henderson DR, et al. **Rheumatol Rehabil** 14(4):244–50, Nov 75

[Hemarthrosis of the knee : caused by chondrocalcinosis or to villonodular synovitis] d'Eshougues JR, et al. **Rev Rhum Mal Osteoartic** 43(4):309–10, Apr 76 **(Fre)**

[Non-traumatic subluxation of the scaphoid bone of the hand] Scharizer E. **Handchirurgie** 7(2):105–8, 1975 (Eng. Abstr.) **(Ger)**

[Perthes' disease, caused by initial sybovitis? (author's transl)] Barz FB, et al. **Z Orthop** 114(1):116–22, Feb 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Granulomatous synovitis and osteitis caused by Sporothrix schenckii. Marrocco GR, et al. **Am J Clin Pathol** 64(3):345–50, Sep 75

A cause of erroneous diagnosis of pigmented villonodular synovitis. Burnett RA. **J Clin Pathol** 29(1):17–21, Jan 76

The diagnosis and management of rheumatoid synovitis. Anderson RJ. **Orthop Clin North Am** 6(3):629–39, Jul 75 (20 ref.)

[Hoffa's fatty tissue hypertrophy as a solitary disease and in combination with meniscus lesion] Hornuf H, et al. **Beitr Orthop Traumatol** 22(12):686–91, Dec 75 **(Ger)**

[Differential diagnosis of tuberculous arthritis and pigmentary fibrous-nodular synovitis] Zvantseva VA. **Probl Tuberk** (4):60–5, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Osmic acid treatment for rheumatoid synovitis. Nissilä M. **Ann Clin Res** 7(3):202–4, Jun 75

The role of osmic acid in the treatment of immune synovitis. Goldberg VM, et al. **Arthritis Rheum** 19(4):737–42, Jul–Aug 76

Intra-articular triamcinolone hexacetonide and osmic acid in persistent synovitis of the knee. Anttinen J, et al. **Scand J Rheumatol** 4(3):125–8, 1975

Osmium deposits detected by x-ray after synoviorthesis of the knee. Boussina I, et al. **Scand J Rheumatol** 5(1):53–9, 1976

The immediate effects of intra-articular injections of osmic acid. Micheli A, et al. **Scand J Rheumatol** 5(2):91–6, 1976

[Letter: Intra-articular passage of isoniazid and ethambutol. 2 cases of tuberculous synovitis of the knee] Mouries D, et al. **Nouv Presse Med** 4(38):2734, 8 Nov 75 **(Fre)**

[Proteinase inhibitors in complex treatment of arthroses and acute and chronic synovitis] Grigorian AV, et al. **Klin Khir** (7):13–7, Jun 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Bullets, joints, And lead intoxication. A remarkable and instructive case. Switz DM, et al. **Arch Intern Med** 136(8):939–41, Aug 76

A pathogenetic model for erosive synovitis: lessons from animal arthritides. Hadler NM. **Artäritis Rheum** 19(2):256–66, Mar–Apr 76

The pathogenesis and long-term end results of pigmented villonodular synovitis. Granowitz SP, et al. **Clin Orthop** (114):335–51, Jan–Feb 76 (49 ref.)

Evidence for a viral aetiology of rheumatoid synovitis. pp. 213–24. Smith C, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 143 1974. (67 ref.)

Synovitis secondary to non-metallic foreign bodies. Goodnough CP, et al. **J Trauma** 15(11):960–5, Nov 75

Letter: Joint infection by Pasteurella multocida. Sugarman M, et al. **Lancet** 2(7947):1267, 20 Dec 75

Collagen-induced acute synovitis in collagen-immunized rabbits. Steffen C, et al. **Z Immunitaetsforsch** 150(5):432–46, Nov 75

[Post-traumatic synovitis (author's transl)] Bozděch Z. **Acta Chir Orthop Traumatol Cech** 43(3):244–7, Jun 76 (Eng. Abstr.) **(Cze)**

[A differential diagnosis of forearm synovitis. Venous hemangiomas and their thromboses] Chaouat Y, et al. **Rev Rhum Mal Osteoartic** 43(4):310–3, Apr 76 **(Fre)**

[Tuberculous synovitis: histological studies and critical considerations on possible morpho-immunological aspects] Fumagalli O, et al. **Clin Ortop** 25(2):84–92, Apr–Jun 74 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Lymphokines in rheumatoid synovitis. Stastny P, et al. **Ann NY Acad Sci** 256:117–31, 13 Jun 75

Experimental arthritis of rabbits caused by intra-articular injection of autologous Fab2 produced by digestion of IgG with cathepsin D. Fehr K, et al. **Ann Rheum Dis** 35(2):85–96, Apr 76

Study of lymphoid cells from inflamed synovial membranes. Loewi G, et al. **Ann Rheum Dis** 34(6):524–7, Dec 75

Antigen retention in joint tissues in antigen-induced synovitis. Hollister JR, et al. **Clin Exp Immunol** 16(4):615–27, Apr 74

Antigen retention in joint tissues in antigen-induced synovitis. Hollister JR, et al. **Clin Exp Immunol** 16(4):615–27, Apr 74

Rheumatoid factors in serum and synovial fluid of the knee joint in reactive synovitis of local origin. Hrnčíř Z, et al. **Rev Czech Med** 21(3):166–70, 1975

Evidence for complement activation by the alternate pathway in the arthritis of hypogammaglobulinemic patients. Munthe E, et al. **Rheumatology** 6:43–51, 1975

Complement and pathogenesis of rheumatoid and non-rheumatoid synovitis. Peltier AP. **Rheumatology** 6:24–33, 1975

Rheumatoid synovitis: complement and immune complexes. Schur PH, et al. **Rheumatology** 6:34–42, 1975

[Quantitative determination of immunoglobulins in the synovial membrane changed by inflammation] Jaster D, et al. **Beitr Orthop Traumatol** 23(4):177–9, Apr 76 **(Ger)**

METABOLISM

Proceedings: Glycosaminoglycan, protein and water content in articular cartilage in response to induced synovitis in the rabbit hip. Axer A, et al. **Isr J Med Sci** 11(11):1227, Nov 75

[Pyrophosphate synovitis] Friis J, et al. **Ugeskr Laeger** 137(47):2762–7, 17 Nov 75 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Pigmented villonodular synovitis in the temporomandibular joint: a case report. Barnard JD. **Br J Oral Surg** 13(2):183–7, Nov 75

Synovitis of familial mediterranean fever. A histologic and ultrastructural study. Stein H, et al.
Virchows Arch [Pathol Anat] 367(4):263–72, 18 Sep 75

[Pigmented villonodular synovitis of the hip: ultrastructure and aspects on scanning electron microscopy] Gaucher A, et al. **Rev Rhum Mal Osteoartic** 43(5):357–62, May 76 (Eng. Abstr.) **(Fre)**

[The pathogenesis of the pannous inflammation in the rheumatoid arthritis] Mohr W. **Med Welt** 27(3):89–94, 16 Jan 76 (65 ref.) **(Ger)**

[Electron microscopic examinations on foam cells in pigmented villonodular synovitis (PVS) (author's transl)] Hirohata K, et al. **Z Orthop** 114(1):44–53, Feb 76 (Eng. Abstr.) **(Ger)**

[Case of pigmented villonodular synovitis with fulminant course] Legiewski A, et al. **Patol Pol** 26(4):557–61, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

[State of the vessels of synovial membranes in experimental arthritis and synovitis] Khachatrian SA, et al. **Eksp Khir Anesteziol** (5):37–40, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Stiffness of the proximal interphalangeal joints in rheumatoid arthritis. The role of flexor tenosynovitis. Millis MB, et al. **J Bone Joint Surg [Am]** 58(6):801–5, Sep 76

Inhibition of prostaglandin E release by anti-inflammatory steroids. Floman Y, et al. **Prostaglandins** 11(3):591–4, Mar 76

RADIOGRAPHY

Localized nodular synovitis of the knee: a report of two cases with abnormal arthrograms. Goergen TG, et al. **Am J Roentgenol** 126(3):647–50, Mar 76

Pigmented villo-nodular synovitis: bone involvement of the fingers. Davis S, et al. **Clin Radiol** 26(3):357–61, Jul 75

RADIOTHERAPY

Letter: Radiation synovectomy with 32P-chromic phosphate. Wiedermann M, et al. **J Nucl Med** 16(5):442, May 75

The treatment of chronic knee joint synovitis with radioactive isotops (author's transl)] Bauer R, et al. **Arch Orthop Unfallchir** 84(1):13–26, 26 Feb 76 (Eng. Abstr.) **(Ger)**

SURGERY

Diffuse pigmented villonodular synovitis. An indication for total hip replacement in the young patient. Tartaglia L, et al. **Clin Orthop** (115):172–6, Mar–Apr 76

Flexor synovectomy in the rheumatoid hand. Harrison SH, et al. **Hand** 8(1):13–6, Feb 76

Preventive surgery – tenosynovectomy and synovectomy. Millender LH, et al. **Orthop Clin North Am** 6(3):765–92, Jul 75 (22 ref.)

[Synovectomies of the knee. Apropos of 47 cases of tuberculous synovitis] Banaï M, et al. **Acta Orthop Belg** 41(3):335–45, May–Jun 75 **(Fre)**

[Synovectomies of the knee. Apropos of 47 cases tuberculous synovitis] Banai M, et al. **J Chir (Paris)** 111(4):459–69, Apr 76 (Eng. Abstr.) **(Fre)**

[Letter: Treatment of hemopigmented villonodular synovitis. Value of isotopic synoviorthesis] D'Eshougues JR, et al. **Nouv Presse Med** 4(40):2883(1), 22 Nov 75 **(Fre)**

[Remote results of subtotal synovectomy of the knee joint in adults with tuberculous synovitis] Zvantseva VA. **Probl Tuberk** (8):46–50, 1975 (Eng. Abstr.) **(Rus)**

[Significance and value of subtotal synovectomy in posttraumatic gonitis (author's transl)] Cerveňanský J, et al. **Bratisl Lek Listy** 64(6):704–13, Dec 75 (Eng. Abstr.) **(Slo)**

THERAPY

Experimental studies on osmic acid and yttrium 90 in synovitis. Oka M. **Adv Clin Pharmacol** 6:126–9, 1974

The treatment of acute traumatic synovitis of the knee. Sarkin TL. **S Afr J Surg** 13(2):93–6, Jun 75

VETERINARY

Light and electron microscopic investigation of equine synovial membrane. A comparison between healthy joints and joints with intraarticular fractures and osteochondrosis dissecans. Johansson HE, et al. **Acta Vet Scand** 17(2):153–68, 1976

Viscosity of equine synovial fluid. Rejnö S. **Acta Vet Scand** 17(2):169–77, 1976

Efficacy of chlortetracycline against Mycoplasma synoviae isolated in two periods. Olson NO, et al. **Avian Dis** 20(2):221–9, Apr–Jun 76

Villonodular synovitis of the equine metacarpophalangeal joint. Nickels FA, et al. **J Am Vet Med Assoc** 168(11):1043–6, 1 Jun 76

SYNTETRIN see **ROLITETRACYCLINE**

SYPHACIA see under **OXYUROIDEA**

SYPHILIDS see **SYPHILIS, CUTANEOUS**

SYPHILIS

Fetal syphilis in the first trimester. Harter C, et al. **Am J Obstet Gynecol** 124(7):705–11, 1 Apr 76

Letter: The great imitator. Meyerhoff E. **Can Med Assoc J** 114(6):503, 20 Mar 76

[3 cases of syphilis among drug addicts. A potential risk group] Mikkelsen F. **Ugeskr Laeger** 138(10):605–6, 1 Mar 76 (Eng. Abstr.) **(Dan)**

[Current aspects of syphilis of the ear] Martin C, et al. **J Fr Otorhinolaryngol** 23(9):807–13, Nov 74 **(Fre)**

[Characteristics of clinical course of secondary syphilis] Kostinskaia EM, et al. **Vestn Dermatol Venerol** (3):87–90, Mar 76 **(Rus)**

BLOOD

[Influence of combination treatment on the protein fraction of the blood in patients with the contagious form of syphilis] Sergeev VP, et al. **Vestn Dermatol Venerol** (11):87–91, Nov 75 (Eng. Abstr.) **(Rus)**

[Treponemacidal properties of blood serum of healthy persons] Vasil'ev TV, et al. **Vestn Dermatol Venerol** (1):54–8, Jan 74 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Significance of incomplete antibodies for the serodiagnosis of lues. 3. Importance of AGAT-test for the cerebrospinal fluid diagnosis in lues] Borkhardt HL. **Dermatol Monatsschr** 162(3):247–9, Mar 76 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Treponemal antigen in immunopathogenesis of syphilitic glomerulonephritis. Tourville DR, et al. **Am J Pathol** 82(3):479–92, Mar 76

Hepatitis and bone destruction as uncommon manifestations of early syphilis. Report of a case. Longstreth P, et al. **Arch Dermatol** 112(10):1451–4, Oct 76

Leucomelanoderma in early syphilis. Pandhi RK, et al. **Br J Vener Dis** 51(5):348, Oct 75

Bony symptoms in secondary syphilis. Waugh MA. **Br J Vener Dis** 52(3):204–5, Jun 76

Early luetic gastritis presenting as an antral mass. DeLuca RF, et al. **Gastrointest Endosc** 22(2):95, Nov 75

A forgotten cause of vertigo. Head PW. **J R Nav Med Serv** 61(2):80–2, Summer 75

Letter: Liver biopsy in early syphilitic hepatitis. Allison JF. **Lancet** 2(7947):1264, 20 Dec 75

Early syphilitic hepatitis. Fehér J, et al. **Lancet** 2(7941):896–9, 8 Nov 75

Hearing loss of acquired syphilis: diagnosis confirmed by incudectomy. Nadol JB Jr. **Laryngoscope** 85(11 pt 1):1888–97, Nov 75

Syphilitic elephantiasis of the penis and scrotum. Elsahy NI. **Plast Reconstr Surg** 57(5):601–3, May 76

Secondary syphilis presenting jaundice. Bhowmick BK, et al. **Postgrad Med J** 51(596):412–6, Jun 75

[Syphilitic lymphadenitis] Vortel V, et al. **Cesk Patol** 11(2):72–7, May 75 (Eng. Abstr.) **(Cze)**

[Viral hepatitis B: a venereal disease?] Vranckx R. **Arch Belg Med Soc** 32(9–10):570–4, Nov–Dec 74 (Eng. Abstr.) **(Dut)**

[Letter: Secundary luetic hepatitis] Polano MK, et al. **Ned Tijdschr Geneeskd** 119(40):1551, 4 Oct 75 **(Dut)**

[Chronic lupus erythematosus, syphilis, diabetes, paraproteinemia] Lissoir A, et al. **Arch Belg Dermatol** 30(4):291–2, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[Report on 6 patients with early syphilis and hepatitis] Masius WG, et al. **Dermatol Monatsschr** 162(3):225–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Prevention of the Jarisch-Herxheimer reaction in syphilis using high doses of methylprednisolone] Kleinhans D, et al. **Z Hautkr** 50(14):601–5, 15 Jul 75 **(Ger)**

[Cases of nervous system syphilis treated in the years 1968–1974 at the 2nd Department of Neurology of the Wola Hospital in Warsaw] Korniluk S. **Pol Tyg Lek** 31(25):1077–9, 21 Jun 76 (Eng. Abstr.) **(Pol)**

[Case of pseudotumorous brain edema in the course of recurrent early syphilis] Kowalska M, et al. **Pol Tyg Lek** 30(42):1753–4, 20 Oct 75 (Eng. Abstr.) **(Pol)**

[Chancre-paronychia in a patient with secondary early syphilis] Vasil'ev TV, et al. **Khirurgiia (Mosk)** (12):93–4, Dec 75 **(Rus)**

[Nonspecific neuro-psychic disorders in patients with early syphilis] Faida VA. **Vestn Dermatol Venerol** (3):42–5, Mar 76 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Fluorescein angiography in syphilitic retinal vasculitis. Savir H, et al. **Ann Ophthalmol** 8(6):713–6, Jun 76

Letter: Stripping technique as an aid in dark-field diagnosis of syphilis. Soltani K. **Arch Dermatol** 112(4):558, Apr 76

A comparative quantitative evaluation of VDRL and Treponema pallidum haemagglutination tests. Fernandez D, et al. **Indian J Med Res** 63(3):430–6, Mar 75

Current thoughts on laboratory aids in the diagnosis of syphilis. Burrows S. **J Med Soc NJ** 73(2):126–9, Feb 76

Letter: FTA-ABS test. **JAMA** 235(14):1424, 5 Apr 76

Skeletal involvement in secondary syphilis detected by bone scanning. Tight RR, et al. **JAMA** 235(21): 2326, 24 May 76

The diagnosis of syphillis. Hart G. **Med J Aust** 2(18):722–4, 1 Nov 75

[Unusual localization of ulcus durum in the mouth] Skácha Z. **Cesk Stomatol** 76(2):154, Mar 76 **(Cze)**

[Use of the direct FTA-ABS test in early syphilis patients] Krell L, et al. **Dermatol Wochenschr** 161(9):722–8, Sep 75 **(Ger)**

[Practical aspects in the diagnosis and treatment of venerological diseases] Gartmann H. **Med Welt** 27(19):895–900, 7 May 76 **(Ger)**

[TPHA test. Comparison with classical lues reactions and the FTA-ABS test (author's transl)] Remy B, et al. **Munch Med Wochenschr** 118(2):39–42, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[Gonorrhoea and syphilis (author's transl)] Schröter R. **Ther Umsch** 31(5):334–42, May 74 (Eng. Abstr.) **(Ger)**

[Notes on the clinical syphilis diagnosis under current conditions] Glander HJ. **Z Aerztl Fortbild (Jena)**

29(6):285–90, 15 Mar 75 (71 ref.) **(Ger)**

[Studies on the efficiency of the TPIL test in comparison to the FTA absorption test and the TIP standard test (author's transl)] Borkhardt HL. **Z Immunitaetsforsch** 146(4):292–9, Feb 74 (Eng. Abstr.) **(Ger)**

[Gastric syphilis. Case 1: epigastric pain and vomiting, Case 2: dilatation of the gastric region (cases of possible gastric cancer with positive radiographic and endoscopic results but with negative biopsy and cytodiagnostic findings)] Kasugai T. **Jpn J Clin Med** Spec No:744–5, 1072–5, 10 Apr 75 **(Jpn)**

[Extragenital location of clinical changes in early syphilis] Kubacka S, et al. **Pol Tyg Lek** 31(23):977–9, 7 Jun 76 (Eng. Abstr.) **(Pol)**

[Diagnostic value of serological tests in the cerebrospinal fluid] Zając W, et al. **Przegl Dermatol** 63(3):319–23, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Syphilis in surgical practice] Zorin PM.
Khirurgiia (Mosk) (12):89–93, Dec 75 **(Rus)**

[Value of the immunofluorescence reaction in the diagnosis of syphilis by study of the cerebrospinal fluid] Shinskiĭ GE, et al. **Lab Delo** (11):694–5, 1975 **(Rus)**

[Immunofluorescence reaction with absorption with fresh blood, collected from a finger, in diagnosis of syphilis] Bednova VN, et al. **Vestn Dermatol Venerol** (7):41–4, Jul 75 **(Rus)**

[Use of ultrasound-treated Treponema antigen for complement fixation test as a sorbent in the immunofluorescence reaction with absorption in syphilis] Bednova VN, et al. **Vestn Dermatol Venerol** (10):53–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Immunofluorescence test with absorption in diagnosis of syphilis] Ovchinnikov NM, et al.
Vestn Dermatol Venerol (1):58–63, Jan 74 (Eng. Abstr.) **(Rus)**

[Some aspects of the current course of syphilis] Skripkin IuK, et al. **Vestn Dermatol Venerol** (9):40–5, Sep 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Syphilis—recommended treatment schedules, 1976.
Am Fam Physician 14(3):119–21, Sep 76

Syphilis: recommended treatment schedules, 1976. Recommendations established by the Venereal Disease Control Advisory Committee. **Ann Intern Med** 85(1):94–6, Jul 76

Letter: Seroreversal after treatment of secondary syphilis. Schamberg IL. **Arch Dermatol** 112(5):729–30, May 76

Letter: Single dose penicillin therapy. Arya OP.
Br J Vener Dis 52(3):209, Jun 76

Effect of spectinomycin on T. pallidum in incubating experimental syphilis. Petzoldt D. **Br J Vener Dis** 51(5):305–6, Oct 75

Letter: Single dose penicillin therapy. Wright JT.
Br J Vener Dis 51(6):410, Dec 75

Syphilis: CDC recommended treatment schedules, 1974.
Clin Toxicol 9(1):127–9, 1976

Syphilis—CDC recommended treatment schedule, 1976.
Del Med J 48(5):275–8, May 76

Treatment of syphilis. pp. 359–63. Fiumara NJ.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.

Syphilis–CDC recommended treatment schedules, 1976.
J Indiana State Med Assoc 69(8):571–3, Aug 76

Syphilis—CDC recommended treatment schedules, 1976.
J Miss State Med Assoc 17(7):191–3, Jul 76

The management of the several stages of syphilis. Cave VG.
J Natl Med Assoc 67(4):289–93, Jul 75

Treatment of syphilis and gonorrhea.
Med Lett Drugs Ther 18(7):29–31, 26 Mar 76

Prophylactic treatment of syphilis. **Med Lett Drugs Ther** 18(10):44, 7 May 76

Endotoxemia associated with the Jarisch–Herxheimer reaction. Gelfand JA, et al. **N Engl J Med** 295(4):211–3, 22 Jul 76

Syphilis: CDC recommended treatment schedules 1976.
Primary Care 3(2):331–6, Jun 76

Treatment of Gonorrhea and syphilis: Part II—syphilis. Dans PE. **South Med J** 68(10):1295–1303, Oct 75

[Our experience with the treatment of early syphilis with chloramphenicol (author's transl)] Danda J, et al.
Cesk Dermatol 51(2):106–9, Apr 76 (Eng. Abstr.) **(Cze)**

[The effect of pivampicillin and probenecid on experimental syphilis in rabbits] Petzoldt D. **Hautarzt** 26(8):423–4, Aug 75 (Eng. Abstr.) **(Ger)**

[Study of the therapeutic effectiveness of oxacillin in treating the infectious forms of syphilis] Vasil'ev TV, et al.
Antibiotiki 20(5):471–4, May 75 (Eng. Abstr.) **(Rus)**

[Clinical-laboratory characteristics of early syphilis and results of continous treatment with antibiotics] Borisenko AM. **Vestn Dermatol Venerol** (6):86–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Clinical study of ampicillin in the therapy of primary and secondary active syphilis] Mirakhmedov UM, et al.
Vestn Dermatol Venerol (11):84–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Immediate results of methicillin treatment of patients with contagious forms of syphilis] Vasil'ev TV, et al.
Vestn Dermatol Venerol (6):80–5, Jun 75 (Eng. Abstr.) **(Rus)**

[Immediate results of the treatment of patients with infectious forms of syphilis by the continuous method with penicillin preparations in combination with methyluracil and pentoxyl] Vasil'ev TV, et al. **Vestn Dermatol Venerol** (2):84–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Results of the treatment of syphilis with penicillin] de las Obras JM, et al. **Actas Dermosifiliogr** 66(9–10):501–4, Sep–Oct 75 **(Spa)**

ETIOLOGY

The pathogenesis of syphilis and the related treponematoses. pp. 249–59. Knox JM, et al.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.

HISTORY

Letter: Sherlock Holmes and syphilis. Bates HR.
Can Med Assoc J 113(9):815, 8 Nov 75

Letter: The great imitator. Jackson R. **Can Med Assoc J** 115(1):19–20, 3 Jul 76 (Eng. Abstr.)

[Origin of syphilis] Tomić-Karović K. **Lijec Vjesn** 97(11):639–53, Nov 75 **(Cro)**

[Morbus Brunogallicus] Pospíšil L. **Cesk Dermatol** 50(5):345–8, Oct 75 (Eng. Abstr.) **(Cze)**

[History of dermatology. Lalli's Franceide] Ronchese F.
Hautarzt 26(9):489–91, Sep 75 **(Ger)**

[Maupassant as a patient. At the occasion of the author's 125th birthday on August 5th, 1975] Trautmann M.
Munch Med Wochenschr 118(5):149–52, 30 Jan 76 **(Ger)**

[Letter: Ibsen's physicians personalities] Duve A, et al.
Tidsskr Nor Laegeforen 95(32):1872–4, 20 Nov 75 **(Nor)**

IMMUNOLOGY

Treponemal antigens in congenital and acquired syphilitic nephritis: demonstration by immunofluorescence studies. O'Regan S, et al. **Ann Intern Med** 85(3):325–7, Sep 76

Passive transfer of immunity to experimental syphilis in rabbits by immune lymphocytes. Metzger M, et al.
Arch Immunol Ther Exp (Warsz) 23(5):625–30, 1975

Experimental syphilis vaccines in rabbits. I. Differential protection with an adjuvant spectrum. Jones AM, et al.
Br J Vener Dis 52(1):9–17, Feb 76

Cell response in rabbits infected with T. pallidum as measured by the leucocyte migration inhibition test. Wicher V, et al. **Br J Vener Dis** 51(4):240–5, Aug 75

Changes in intra-vascular complement and anti-treponemal antibody titres preceding the Jarisch–Herxheimer reaction in secondary syphilis. Fulford KW, et al.
Clin Exp Immunol 24(3):483–91, Jun 76

Immunology of syphilis. pp. 345–8. Miller JN.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.

The role of immunologic responses in protection against syphilis. pp. 327–37. Metzger M.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.

Effect of pretreatment with Mycobacterium bovis (strain BCG) and immune syphilitic serum on rabbit resistance to Treponema pallidum. Graves SR, et al.
Infect Immun 12(5):1029–36, Nov 75

Depression of lymphocyte response to concanavalin A in rabbits infected with Treponema pallidum (Nichols strain). Pavia CS, et al. **Infect Immun** 14(1):320–2, Jul 76

Effect macrophage activation on infection with Treponema pallidum. Schell R, et al. **Infect Immun** 12(3):505–11, Sep 75

Humoral immunity in experimental syphilis. II. The relationship of neutralizing factors in immune serum to acquired resistance. Bishop NH, et al. **J Immunol** 117(1):197–207, Jul 76

Humoral immunity in experimental syphilis. I. The demonstration of resistance conferred by passive immunization. Bishop NH, et al. **J Immunol** 117(1):191–6, Jul 76

Changes in isoagglutinin titres following non-specific immunological stimuli. Shekatkar AB, et al.
J Postgrad Med 21(1):30–5, Jan 75

[Notes on the article of J. Jarkovský, M.D.: Traveling of leukocytes from capillaries in late syphilis and chronic alcoholism (Vnitřní Lék. 21, 1975, 12, pp. 1181–7)] Jansa P. **Vnitr Lek** 22(3):298–9, Mar 76 **(Cze)**

[Migration of leukocytes in late syphilis and in chronic alcoholism] Jarkovský J. **Vnitr Lek** 21(12):1181–7, Dec 75 (Eng. Abstr.) **(Cze)**

[Secondary syphilis of venereal origin] Marchand JP, et al.
Bull Soc Med Afr Noire Lang Fr 20(1):45–7, 1975 (Eng. Abstr.) **(Fre)**

[Migration of leukocytes in late syphilis] Jarkovský J.
Dermatologica 151(1):21–9, 1975 (Eng. Abstr.) **(Ger)**

[Leucocyte migration-inhibition test in syphilis (author's transl)] Sandhofer M, et al. **Dtsch Med Wochenschr** 101(11):417–8, 12 Mar 76 (Eng. Abstr.) **(Ger)**

[Immunologic studies in early syphilitic liver damage] Fehér J, et al. **Orv Hetil** 117(5):273–6, 1 Feb 76 **(Hun)**

[Use of automatized treponemic (TPHA) and cardiolipinic (ART) test in the serologic screening of syphilis] Fadda G, et al. **Ann Sclavo** 17(2):209–14, Mar–Apr 75 **(Ita)**

[Value of TPHA in the serological screening of lues] Picerno G, et al. **Quad Sclavo Diagn** 11(3):661–8, Sep 75 (Eng. Abstr.) **(Ita)**

[Usefulness of serologic-bacteriologic visualizing screen for reading results of microflocculation reaction (VDRL) in the serodiagnosis of syphilis] Modliński L. **Pol Tyg Lek** 31(2):81–3, 12 Jan 76 **(Pol)**

[Immunological cellular response in the course of late syphilis] Bowszyc J, et al. **Przegl Dermatol** 63(3):325–9, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Serologic tests in late symptomatic syphilis] Zając W, et al. **Przegl Dermatol** 63(2):165–71, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Treatment of patients with infectious forms of syphilis and changes in their immunological reactivity] Chistiakova AM, et al. **Vestn Dermatol Venerol** (8):86–90, Aug 75 **(Rus)**

[Clinical significance of the exacerbation reaction in syphilis] Frishman MP, et al. **Vestn Dermatol Venerol** (12):36–41, Dec 75 (Eng. Abstr.) **(Rus)**

[Immunoglobulins in patients with syphilis] Reznikova LS, et al. **Vestn Dermatol Venerol** (1):63–8, Jan 74 (Eng. Abstr.) **(Rus)**

[Polyadenitis as a clinical symptom of antibody formation in some skin and venereal diseases] Rodin IuA, et al.
Vestn Dermatol Venerol (2):36–40, Feb 76 **(Rus)**

[Study of the activity of antibody-producing cells at different periods of syphilitic infection] Tumasheva NI, et al.
Vestn Dermatol Venerol (2):56–9, Feb 74 (Eng. Abstr.) **(Rus)**

[Fluorescence Treponema antibody test in the serological diagnosis of syphilis] Malenković M. **Med Pregl** 29(5–6):243–6, 1976 (Eng. Abstr.) **(Ser)**

[Our experiences with the FTA-ABS test in serological diagnosis of syphilis] Malenković M, et al. **Med Pregl** 29(5–6):247–51, 1976 (Eng. Abstr.) **(Ser)**

OCCURRENCE

Epidemiology of syphilis and the non-venereal treponematoses. pp. 157–76. Blount JH, et al.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b. (23 ref.)

Serological survey for syphilis in a family planning clinic. Nair BK, et al. **Indian J Med Res** 62(12):1826–31, Dec 74

Social and behavioural aspects of venereal disease among resident male university students. Babu DS, et al.
Int J Epidemiol 5(2):121–4, Jun 76

Current status of syphilis and other venereal diseases. Ross MS. **J Fla Med Assoc** 63(1):74–7, Jan 76

Health problems of Vietnamese refugee children.
J Iowa Med Soc 65(12):508–10, Dec 75

An analysis of 340 cases of syphilis diagnosed in the laboratory in six months in 1973. Garner MF.
Med J Aust 1(20):735–7, 15 May 76

Seroreactivity to syphilis in Malaysian blood donors and expectant mothers. Jegathesan M, et al.
Southeast Asian J Trop Med Public Health 6(3):413–8, Sep 75

Serological evidence for syphilis in different population groups in Rwanda. Meheus A, et al. **Trop Geogr Med** 27(2):165–8, Jun 75

[Reporting of venereal diseases. Survey of the Antwerp region, 1974] Meheus AZ, et al. **Arch Belg Med Soc** 33(3):168–80, Mar 75 (Eng. Abstr.) **(Dut)**

[On the the appearance of syphilis in Chipaya (Bolivia)] Cirera P, et al. **Bull Soc Pathol Exot** 67(2):146–8, Mar–Apr 74 **(Fre)**

[Syphilis in patients over 60 years of age in the records of the Department of Dermatology of the Medical Academy in Białystok] Szarmach H, et al. **Przegl Dermatol** 62(6):776–82, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Syphilis among juveniles in Poznań in 1970–1974] Walter T, et al. **Przegl Dermatol** 62(6):783–6, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Serological survey of syphilis in the Dermatological dispeusary of Zaragoza] García Mata JR, et al.
Actas Dermosifiliogr 67(5–6):289–96, May–Jun 76 **(Spa)**

[Epidemiologic picture of syphilis] Jabalera OS.
Salud Publica Mex 17(3):403–9, May–Jun 75 **(Spa)**

PATHOLOGY

Treponema pallidum in lesions of early syphilis. Kozakliewicz J, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):63–4, 1976

PHYSIOPATHOLOGY

[State of vestibular analyzer in patients with primary and secondary syphilis] Dzhuraev AKh, et al.
Vestn Dermatol Venerol (2):64–6, Feb 74 **(Rus)**

[Peculiarities of the perception of bone-conducted sound according to data of tonal threshold audiometry in patients with syphilis] Dunaeva GA, et al.
Zh Ushn Nos Gorl Bolezn (6):74–5, Nov–Dec 75 **(Rus)**

PREVENTION & CONTROL

The control of syphilis and gonorrhea: an opportunity for a contribution by more conscious use of mathematics. pp. 1–5. Henderson RH.
In: Ludwig D, Cooke KL, ed. Proceedings of SIMS Conference on Epidemiology. Philadelphia, Society for Industrial and Applied Mathematics, 1975. WA 100 S614p 1974.

Immunity to syphilis: passive transfer in rabbits using serial doses of immune serum. Weiser RS, et al.
Infect Immun 13(5):1402–7, May 76

[Value of preventive serologic examinations in the control of syphilis incidence in the Białystok Province in 1969–1974] Lesiński J, et al. **Przegl Dermatol** 63(2):151–8,

Mar-Apr 76 (Eng. Abstr.) (Pol)
[The fight against syphilis and gonorrhea in Poland in the years 1970-1975] Stapiński A. **Przegl Dermatol** 63(3):287-94, May-Jun 76 (Eng. Abstr.) (Pol)

SURGERY

The role of surgery in primary syphilis of the anus. Drusin LM, et al. **Ann Surg** 184(1):65-7, Jul 76

THERAPY

Current concepts in the treatment of gonorrhea and syphilis. Kampmeier RH. **South Med J** 68(10):1198-9, Oct 75

SYPHILIS, CARDIOVASCULAR

Calcified luetic aneurysm of a sinus of Valsalva and ascending aorta. **Ariz Med** 33(3):203-4, Mar 76
[Right ventricular hypertrophy of unknown etiology and cardiac failure: rupture of syphilitic aortic aneurysm into the right pulmonary artery] Ishimi Z. **Jpn J Clin Med** Spec No:944-5, 1440-1, 10 Apr 75 (Jpn)
[Syphilitic coronary ostial obstruction] Carneiro RC, et al. **Arq Bras Cardiol** 29(3):235-9, Jun 76 (Eng. Abstr.) (Por)

DIAGNOSIS

Syphilitic aneurysms with bone erosion and rupture. Weisser RJ Jr, et al. **W Va Med J** 72(1):1-4, Jan 76

OCCURRENCE

Luetic aortitis in El Salvador. Herrera H.
Pathol Microbiol (Basel) 43(2-O):147-9, 1975

PATHOLOGY

[Clinical picture of cardiovascular syphilis] Smulski H, et al. **Wiad Lek** 28(19):1673-7, 1 Oct 75 (Pol)

SYPHILIS, CONGENITAL

Congenital syphilis. pp. 183-90. Taber LH, et al.
In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.
Some aspects of congenital syphilis. Sharma DB, et al.
Indian Pediatr 12(11):1173-6, Nov 75
Perinatal tips. Zavell PM. **Mich Med** 74(32):717-20, Nov 75

COMPLICATIONS

Syphilitic erythroblastosis foetalis. Tozer RA.
East Afr Med J 52(9):535-6, Sep 75
Early congenital syphilis. Gingrich RD, et al.
NY State J Med 76(2):283-8, Feb 76
Parrot's pseudoparalysis, revisited. Rothner AD, et al.
Pediatrics 56(4):604-5, Oct 75

DIAGNOSIS

The specificity of fetal IgM: antibody or anti-antibody? Reimer CB, et al. **Ann NY Acad Sci** 254:77-93, 30 Jun 75
Anemia as the only presenting manifestation of congenital syphilis. Lascari AD, et al. **Clin Pediatr (Phila)** 15(1):90-1, Jan 76
[Congenital syphilis. Apropos of 3 cases with early neonatal manifestations] Gérard P, et al.
J Gynecol Obstet Biol Reprod (Paris) 4(7):989-93, 1975 (Eng. Abstr.) (Fre)
[Congenital syphilis (author's transl)] González-Meneses A, et al. **An Esp Pediatr** 9(2):180-7, Mar-Apr 76 (Eng. Abstr.) (Spa)

DRUG THERAPY

Congenital syphilis after maternal treatment with erythromycin. Fenton LJ, et al. **Obstet Gynecol** 47(4):492-4, Apr 76

IMMUNOLOGY

Treponemal antigens in congenital and acquired syphilitic nephritis: demonstration by immunofluorescence studies. O'Regan S, et al. **Ann Intern Med** 85(3):325-7, Sep 76
Letter: Behavior of the complement system in the nephropathy of congenital syphilis. Zelazko M, et al.
J Pediatr 88(2):359, Feb 76

PATHOLOGY

[Atypical morphological changes in internal organs in offsprings of mothers with positive Wassermann reaction] Siezieniewska Z, et al. **Wiad Lek** 28(18):1597-602, 15 Sep 75 (Eng. Abstr.) (Pol)

RADIOGRAPHY

Congenital syphilis diagnosed in utero. Cremin BJ, et al.
Br J Radiol 48(575):939-41, Nov 75
Bone lesions in early congenital syphilis. Rosen EU, et al.
S Afr Med J 50(5):135-8, 31 Jan 76
Osseous manifestations of congenital syphilis. Wolpowitz A.
S Afr Med J 50(17):675-6, 17 Apr 76

SYPHILIS, CUTANEOUS

[Case of atypical cutaneous syphilis] Giroux JM, et al.
Union Med Can 104(12):1791-3, Dec 75 (Eng. Abstr.) (Fre)
[Corymbiform syphilid] Tischenko LD, et al.
Vestn Dermatol Venerol (11):83, Nov 75 (Rus)

COMPLICATIONS

Nephrotic syndrome and secondary syphilis. Bahl V, et al.
East Afr Med J 52(4):172-5, Apr 75
Skeletal involvement in secondary syphilis detected by bone scanning. Tight RR, et al. **JAMA** 235(21): 2326, 24 May 76

CONGENITAL

[Congenital syphilis. Apropos of 3 cases with early neonatal manifestations] Gérard P, et al.
J Gynecol Obstet Biol Reprod (Paris) 4(7):989-93, 1975 (Eng. Abstr.) (Fre)

DIAGNOSIS

[An interesting case] Hlubna-Daum E, et al.
Stomatol DDR 25(8):558-60, Aug 75 (Ger)
[Chancre-paronychia in a patient with secondary early syphilis] Vasil'ev TV, et al. **Khirurgiia (Mosk)** (12):93-4, Dec 75 (Rus)

DRUG THERAPY

Relative efficacy of clindamycin, erythromycin, and penicillin in treatment of Treponema pallidum in skin syphilomas of rabbits. Brause BD, et al. **J Infect Dis** 134(1):93-6, Jul 76

MICROBIOLOGY

[Electron microscopic study of experimental syphilitic reinduration: On the findings of Treponemas in the nerve fibres (author's transl)] Yanagihara M. **Jpn J Dermatol** 86(1):21-4, 1976 (Jpn)

PATHOLOGY

Secondary syphilis: a clinico-pathological review. Abell E, et al. **Br J Dermatol** 93(1):53-61, Jul 75

SYPHILIS, LATENT

COMPLICATIONS

Secondary syphilis and sarcoidosis. Laugier P.
Arch Dermatol 112(2):261, Feb 76
[Diabetes insipidus and left-sided hemiplegia as a complication of early latent syphilis] Ciecierski L, et al. **Pol Tyg Lek** 31(7):285-6, 16 Feb 76 (Eng. Abstr.) (Pol)

DIAGNOSIS

[Diagnosis of early and late latent syphilis] Romanenko GF, et al. **Vestn Dermatol Venerol** (9):84-7, Sep 75 (Rus)

SYPHILIS SERODIAGNOSIS

Positive FTA-ABS tests in subjects with corticosteroid-induced uveitis. Shin DH, et al.
Am J Ophthalmol 82(2):259-60, Aug 76
Bony symptoms in secondary syphilis. Waugh MA.
Br J Vener Dis 52(3):204-5, Jun 76
False positive FTA-ABS results in patients with genital herpes. Wright JT, et al. **Br J Vener Dis** 51(5):329-30, Oct 75
Laboratory diagnosis of treponematoses (with emphasis on syphilis). pp. 201-8. Balows A, et al.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.
A comparative quantitative evaluation of VDRL and Treponema pallidum haemagglutination tests. Fernandez D, et al. **Indian J Med Res** 63(3):430-6, Mar 75
Comparison of RP.R. card test with V.D.R.L. and F.T.A.-ABS. test. Sharma S, et al.
Indian J Pathol Microbiol 18(2):89-92, Apr 75
Letter: FTA-ABS test. **JAMA** 235(14):1424, 5 Apr 76
Spontaneous reversion of FTA-ABS test reactions. Burns RE. **JAMA** 234(6):617-8, 10 Nov 75
Immunizations and false positive VDRL tests in military recruits. Schueller WA, et al. **Milit Med** 141(2):93-4, Feb 76
False positive serology in cerebrospinal fluid associated with a spinal cord tumor. Delaney P. **Neurology (Minneap)** 26(6 PT 1):591-3, Jun 76
Seroreactivity to syphilis in Malaysian blood donors and expectant mothers. Jegathesan M, et al.
Southeast Asian J Trop Med Public Health 6(3):413-8, Sep 75
[Importance of the TPHA (Treponema hemagglutination test) in the serodiagnosis of syphilis] Simonart JM.
Arch Belg Dermatol 30(1):15-23, Jan-Mar 74 (Eng. Abstr.) (Fre)
[On the the appearance of syphilis in Chipaya (Bolivia)] Cirera P, et al. **Bull Soc Pathol Exot** 67(2):146-8, Mar-Apr 74 (Fre)
[Significance of incomplete antibodies for the serodiagnosis of lues. 2. Evaluation of the specificity and sensitization of the antihuman gamma globulin antibody test for detection of incomplete antibodies in lues] Borkhardt HL.
Dermatol Monatsschr 162(3):243-6, Mar 76 (Eng. Abstr.) (Ger)
[Significance of incomplete antibodies for the serodiagnosis of lues. 3. Importance of AGAT-test for the cerebrospinal fluid diagnosis in lues] Borkhardt HL.
Dermatol Monatsschr 162(3):247-9, Mar 76 (Eng. Abstr.) (Ger)
[Significance of incomplete antibodies for the serodiagnosis of lues. 1. Causes of the inagglutinability of fresh isolated Treponema pallidum] Borkhardt HL.
Dermatol Monatsschr 162(3):238-42, Mar 76 (Eng. Abstr.) (Ger)
[Blastic transformation and DNA synthesis in lymphocyte cultures of patients with early and late syphilis] Bowszyc J, et al. **Dermatol Monatsschr** 161(4):311-7, Apr 75 (Eng. Abstr.) (Ger)
[Problem sera in the serodiagnosis of lues] Zając W, et al.
Dermatol Monatsschr 162(7):546-51, Jul 76 (Eng. Abstr.) (Ger)
[Use of automatized treponemic (TPHA) and cardiolipinic (ART) test in the serologic screening of syphilis] Fadda G, et al. **Ann Sclavo** 17(2):209-14, Mar-Apr 75 (Ita)
[Value of TPHA in the serological screening of lues] Picerno G, et al. **Quad Sclavo Diagn** 11(3):661-8, Sep 75 (Eng. Abstr.) (Ita)
[Application of macrophage migration inhibition test (M.I.T.) in syphilis in man] Tanaka S, et al. **Jpn J Bacteriol** 30(1):81, Jan 75 (Jpn)
[Clinical significances of antitreponemal antibodies with special reference to change of TPHA titer by treatment (author's transl)] Mizuoka K. **Jpn J Clin Pathol** 24(3):171-81, Mar 76 (Jpn)
[Several problems of new serological tests for syphilis-chairman's introductory remarks (author's transl)] Seiji M. **Jpn J Clin Pathol** 24(3):169-70, Mar 76 (Jpn)
[Evaluation of repeatability and sensitivity of immunofluorescence tests performed in Polish laboratories of syphilis serology] Manikowska-Lesińska W, et al.
Przegl Dermatol 63(2):143-50, Mar-Apr 76 (Eng. Abstr.) (Pol)
[Immunofluorescence reaction with absorption with fresh blood, collected from a finger, in diagnosis of syphilis] Bednova VN, et al. **Vestn Dermatol Venerol** (7):41-4, Jul 75 (Rus)
[Clinical significance of the exacerbation reaction in syphilis] Frishman MP, et al. **Vestn Dermatol Venerol** (12):36-41, Dec 75 (Eng. Abstr.) (Rus)
[Diagnostic value of the immunofluorescence reaction in the practice of a regional dermato-venerological dispensary in the city of Kuĭbyshev] Radina RL.
Vestn Dermatol Venerol (11):65-9, Nov 75 (Eng. Abstr.) (Rus)
[Diagnosis of early and late latent syphilis] Romanenko GF, et al. **Vestn Dermatol Venerol** (9):84-7, Sep 75 (Rus)
[Fluorescence Treponema antibody test in the serological diagnosis of syphilis] Malenković M. **Med Pregl** 29(5-6):243-6, 1976 (Eng. Abstr.) (Ser)
[Our experiences with the FTA-ABS test in serological diagnosis of syphilis] Malenković M, et al. **Med Pregl** 29(5-6):247-51, 1976 (Eng. Abstr.) (Ser)

INSTRUMENTATION

[Usefulness of serologic-bacteriologic visualizing screen for reading results of microflocculation reaction (VDRL) in the serodiagnosis of syphilis] Modliński L. **Pol Tyg Lek** 31(2):81-3, 12 Jan 76 (Pol)

METHODS

The laboratory diagnosis of syphilis. New concepts. Jaffe HW. **Ann Intern Med** 83(6):846-50, Dec 75
Automation of a flocculation test for syphilis on Groupamatic equipment. Garretta M, et al. **Br J Vener Dis** 51(4):232-9, Aug 75
Application of the enzyme-linked immunosorbent assay (ELISA) in the serodiagnosis of syphilis. Veldkamp J, et al. **Br J Vener Dis** 51(4):227-31, Aug 75
Modification of the Rappaport rapid test in large-scale testing for syphilis. Evaluation of the rapid plate and rapid card tests. Ghinsberg R, et al. **Isr J Med Sci** 11(11):1114-20, Nov 75
Comparison of the counter-immunoelectrophoresis technique with the Reiter protein and three other serological tests as a first line test for syphilis. Bänffer JR, et al.
J Clin Microbiol 2(5):361-7, Nov 75
Qualitative evaluation of the reagin screen test. Black DA, et al. **J Clin Microbiol** 4(1):16-8, Jul 76
A more complete evaluation of the color-coded antigen for the automated reagin test. Lambert NG, et al.
J Clin Microbiol 1(4):390, Apr 75
Evaluation of automated large-scale screening tests for syphilis. Macfarlane DE, et al. **J Clin Pathol** 29(4):317-21, Apr 76
[New specific test in the diagnosis of syphilis (author's transl)] Kopecký K, et al. **Cesk Dermatol** 51(2):100-5, Apr 76 (Eng. Abstr.) (Cze)
[Study of the stability and the degradation of fluorescence in the immunofluorescence technic (FTA-ABS) using pulsed lasers] Lambert NG, et al. **Can J Microbiol** 21(8):1232-5, Aug 75 (Eng. Abstr.) (Fre)
[Serologic diagnosis of syphilis by the passive hemagglutination test] Lefèvre JC, et al.
Nouv Presse Med 4(35):2511-3, 18 Oct 75 (Eng. Abstr.) (Fre)
[Serological total diagnosis of syphilis] Kern A.
Dermatol Monatsschr 161(11):905-17, Nov 75 (Ger)

[Model experiments on the effect of IgM- and IgG-antibodies on the reactivity of Treponema pallidum hemagglutination (TPHA)-test] Volkerding R, et al. **Hautarzt** 27(1):26-9, Jan 76 (Eng. Abstr.) **(Ger)**

[Serological studies on blood donors. I. Immunofluorescence microscopy in the serodiagnosis of lues] Falser N. **Infusionstherapie** 1(6):464-9, Aug 74 (Eng. Abstr.) **(Ger)**

[Investigations for evaluation of sensitivity and specificity of the seroreactions for syphilis with lipoidal and treponemal antigens (author's transl)] Mühlenberg W, et al. **Oeff Gesundheitswes** 37(10):622-41, Oct 75 (Eng. Abstr.) **(Ger)**

[Treponema-pallidum antigen preservation possibilities for the fluorescence serodiagnosis of syphilis] Borkhardt HL, et al. **Z Gesamte Hyg** 21(3):227-32, Mar 75 (Eng. Abstr.) **(Ger)**

[New set of serum reaction tests for syphilis and its clinical significance (author's transl)] Fukuoka Y. **Jpn J Clin Pathol** 24(3):182-6, Mar 76 **(Jpn)**

[The TPHA test. Methods] Manikowska-Lesińska W, et al. **Przegl Dermatol** 62(5):663-9, Sep-Oct 75 (Eng. Abstr.) **(Pol)**

[Use of some sorbents in the immunofluorescence reaction with absorption (RIF-abs) in the serodiagnosis of syphilis] Khantke LG. **Lab Delo** (11):666-9, 1975 **(Rus)**

[Rapid reaction for the serodiagnosis of syphilis in the patients of somatic hospitals] Ovchinnikov NM, et al. **Lab Delo** (11):670-3, 1975 **(Rus)**

[Use of antigens from cultured, preserved and lyophilized pathogenic treponema pallidum in the immunofluorescence reaction in syphilis] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** (9):37-40, Sep 75 **(Rus)**

SYRINGES

Injection device for pharmaco-angiography. Jekell K, et al. **Acta Radiol [Diagn] (Stockh)** 16(5):541-4, Sep 75

Filling vials aseptically while monitoring for bacterial contamination. Dirksen JW, et al. **Am J Hosp Pharm** 32(10):1031-2, Oct 75

Letter: Volume of syringe-needle dead space. Feingold A, et al. **Am J Hosp Pharm** 33(8):756-9, AUG 76

Combined volume control set-piggyback system for intermittent intravenous therapy. Paxinos J, et al. **Am J Hosp Pharm** 32(9):892-7, Sep 75

Syringe gauge. Boyer J. **Am J Occup Ther** 30(8):505, Sep 76

Temperature control apparatus for thermodilution cardiac output syringes. Colt JD. **Am J Surg** 131(6):777, Jun 76

Labelled adhesive tape for the identification of syringe contents. Carrie LE. **Anaesthesia** 30(6):786-7, Nov 75

Letter: Identification of syringe contents. Sloan IA, et al. **Anaesthesia** 31(4):578, May 76

A syringe for extradural analgesia. Williams RA. **Anaesthesia** 30(6):788-90, Nov 75

Letter: Intravascular injection of local anesthetics. Adatia AK. **Br Dent J** 139(7):263, 7 Oct 75

Letter: Intravascular injection of local anesthetics. Parnell AG. **Br Dent J** 139(5):162, 2 Sep 75

Letter: Radiation exposure rates on syringe surfaces from 99Tcm. Henson PW, et al. **Br J Radiol** 49(582):569-70, Jun 76

Radiation sterilization of medical products. Fogarty MG. **Bull Parenter Drug Assoc** 29(6):269-77, Nov-Dec 75

Possible asbestos hazards in clinical allergy. Bernstein IL, et al. **J Allergy Clin Immunol** 57(5):489-92, May 76

Improved irrigation syringe for oral surgery. Short SG, et al. **J Oral Surg** 34(3):269, Mar 76

Cleansing the traumatic wound by high pressure syringe irrigation. Stevenson TR, et al. **JACEP** 5(1):17-21, Jan 76

Letter: Hepatitis via screening needles. Bettigole RE. **N Engl J Med** 294(3):167, 15 Jan 76

LETTER: Amniotic-fluid-culture failure: possible role of syringes. Garver KL, et al. **N Engl J Med** 295(5):286, 29 Jul 76

Medicine administration by blowpipe. Wentges H. **Vet Rec** 97(15):281, 11 Oct 75

[Automatic syringe for intravascular infusions] Pelovski P. **Khirurgiia (Sofiia)** 28(5):504, 1975 **(Bul)**

[Letter: Original perfusor syringe] Braun B. **Dtsch Med Wochenschr** 101(27):1042, 2 Jul 76 **(Ger)**

[Methods of transmission of serum hepatitis and its prevention] Marennikov VI. **Voen Med Zh** (2):59-62, Feb 76 **(Rus)**

[Method of introducting ointment preparations into narrow and deep cavities of the ENT organs] Chernukho VL, et al. **Zh Ushn Nos Gorl Bolezn** (5):108, Sep-Oct 75 **(Rus)**

[Disposable syringe for irrigation of impacted cerumen] Attman G, et al. **Lakartidningen** 73(9):736, 25 Feb 76 **(Swe)**

STANDARDS

The three-in-one urological syringe. Squitieri AP. **J Urol** 116(1):74, Jul 76

Errors in insulin doses due to the design of insulin syringes. Shainfeld FJ. **Pediatrics** 56(2):302-3, Aug 75

[Letter: Plastic syringes and sterility] Nederpelt KJ. **Ned Tijdschr Geneeskd** 119(11):443, 15 Mar 75 **(Dut)**

SYRINGOMYELIA

[Current insights into the pathogenesis, semeiology and therapy of syringomyelia] Van Den Bergh R. **Verh K Acad Geneeskd Belg** 37(5-6):273-327, 1975 (86 ref.) **(Dut)**

[On the non-familial, so-called sporadicacropathia ulceromutilans of the lower extremities (Bureau-Barriere syndrome)] Diem E, et al. **Z Hautkr** 50(1):13-24, 1 Jan 75 **(Ger)**

CEREBROSPINAL FLUID

Radiosotope evaluation of experimental hydrosyringomyelia. Hall PV, et al. **J Neurosurg** 45(2):181-7, Aug 76

COMPLICATIONS

Craniofacial dysostosis with syringomyelia and associated anomalies. Berke JP, et al. **Arch Neurol** 33(1):63-5, Jan 76

[Progressive necrosis of the humerus head in syringomyelia] Heyser K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):280-1, Sep 75 **(Ger)**

[Numbness of the truncal region and extremities, headache and vomiting: tumor of the cervical cord and spinomedullary syringomyelia] Igata A. **Jpn J Clin Med** Spec No:842-3, 1256-9, 10 Apr 75 **(Jpn)**

[Syringomyelic osteoarthropathy] Leydo R, et al. **Pol Tyg Lek** 30(39):1623-4, 29 Sep 75 (Eng. Abstr.) **(Pol)**

[Case of syringomyelic osteoarthropathy in a child] Bairamov SP, et al. **Ortop Travmatol Protez** (2):60-2, Feb 76 **(Rus)**

[The clinical picture and pathogenesis of spontaneous biceps tendon ruptures in syringomyelia patients] Siortkin VM, et al. **Zh Nevropatol Psikhiatr** 75(6):840-5, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Diagnostic possibilities for the nuchal evoked potential. Koivikko MJ, et al. **Acta Neurol Scand** 54(2):192-9, Aug 76

Clinical radiosotope investigations in hydrosyringomyelia and myelodysplasia. Hall PV, et al. **J Neurosurg** 45(2):188-94, Aug 76

ETIOLOGY

Proceedings: Another theory of the actiology of the syringomyelic cavity. Taylor AR. **J Neurol Neurosurg Psychiatry** 38(8):825, Aug 75

Syringomyelia associated with postmeningitic spinal arachnoiditis. Filling of the syrinx through a communication with the subarachnoid space. Savoiardo M. **Neurology (Minneap)** 26(6 PT 1):551-4, Jun 76

Post-traumatic syringomyelia. Laha RK, et al. **Surg Neurol** 4(6):519-22, Dec 75

[Pathogenesis of syringomyelia in the light of our observations] Bidziński J. **Neurol Neurochir Pol** 9(4):527-32, Jul-Aug 75 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[4 cases of familial syringomyelia in a single generation] Ishchenko MM, et al. **Zh Nevropatol Psikhiatr** 76(5):662-5, 1976 **(Rus)**

[Population genetic study of syringomyelia in Gorki Province] Nedoshivin LB, et al. **Zh Nevropatol Psikhiatr** 74(3):349-51, 1974 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia. Hall PV, et al. **J Neurosurg** 43(4):464-70, Oct 75

PHYSIOPATHOLOGY

[Vegetative-trophic disorders in syringomyelia and their dynamics in the process of treatment] Adamenko RIa, et al. **Vrach Delo** (11):108-10, Nov 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Meningomyelocele and syringohydromyelia. Some radiological aspects. Batnitzky S, et al. **Radiology** 120(2):351-7, Aug 76

Meningomyelocele and syringohydromyelia. Some radiological aspects. Batnitzky S, et al. **Radiology** 120(2):351-7, Aug 76

RADIOTHERAPY

[Nicotinic acid balance in patients with syringomyelia in the course of deep roentgenotherapy] Oganesian AA. **Vrach Delo** (7):118-20, Jul 75 (Eng. Abstr.) **(Rus)**

REHABILITATION

An aid for the manipulation of partial dentures by handicapped patients. Price PA. **Aust Dent J** 19(6):420-2, Dec 74

SURGERY

[Catheterization of the sylvian aqueduct. Its present role in the surgical treatment of sylvian aqueduct stenosis of PCF tumors, and of syringomyelia] Lapras C, et al. **Neurochirurgie** 21(2):101-9, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

VETERINARY

Spina bifida with syringomyelia and meningocoele in a short-tailed cat. Clark L, et al. **Aust Vet J** 51(8):392-4, Aug 75

SYROSINGOPINE

PHARMACODYNAMICS

Selective depleting effect of syrosingopine on brain catecholamine levels with relation to morphine analgesia in the rat. Furukawa T, et al. **Pharmacol Biochem Behav** 4(4):419-25, Apr 76

THERAPEUTIC USE

[R-75 (Sametine) in the treatment of arterial hypertension] Ortega Mata R, et al. **Rev Clin Esp** 141(4):373-7, 31 May 76 (Eng. Abstr.) **(Spa)**

SYSTEMS ANALYSIS

see related

RESEARCH

TASK PERFORMANCE AND ANALYSIS

A conceptual framework for evaluating human service delivery systems. Selig AL. **Am J Orthopsychiatry** 46(1):140-53, Jan 76

Content and sequence analysis of the supervisory session. Culatta R, et al. **ASHA** 18(1):8-12, Jan 76

Computer billing, service analysis, and financial reporting in a hearing and speech agency. Kamara C, et al. **ASHA** 18(4):229-31, Apr 76

Analysis of neuronal networks in the visual system of the cat using statistical signals. Part I. von Seelen W, et al. **Biol Cybern** 22(1):7-20, 27 Feb 76

Towards a systems definition of psychiatric practice. Rashkis HA, et al. **Dis Nerv Syst** 37(4):177-87, Apr 76

Proceedings: System's analysis of simultaneously recorded visual evoked potentials in the cat brain. Basar E, et al. **Electroencephalogr Clin Neurophysiol** 39(5):534, Nov 75

Letter: Critique of 'Systems approach in assessing behavior problems of critical-care patients' by Sharon Roberts. Morin RA. **Heart Lung** 5(2):330, 332, Mar-Apr 76

Systems approach in assessing behavioral problems of critical-care patients. Roberts SL. **Heart Lung** 4(4):593-8, Jul-Aug 75

The relationship between systems theory and community psychiatry. Marmor J. **Hosp Community Psychiatry** 26(12):807-11, Dec 75

How do you, as an effective manager, view systems? Bennett AC. **Hosp Top** 53(6):5, 8, Nov-Dec 75

How to use outside management to help develop valid savings, improve patient care, and satisfy your own professional staff. Hamachek DD. **Hosp Top** 53(5):4, 6, Sep-Oct 75

An analysis of health care production in hospitals: a view of sub-system outcomes. Leader AH, et al. **Hosp Top** 54(1):35-6, 38-9, Jan-Feb 76

Systems analysis in hospitals. pp. 2-6. Cabban PT.
In: Grant C, ed. Australian hospitals - problems and solutions. Vol 2. Kensington, Univ of New South Wales, 1975. W1 AU697 no.26-27 1975.

The world of work-the world of client: a general systems approach to physiological nursing research. pp. 211-4. Abbey JC.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Applied systems analysis in the delivery of comprehensive health services. pp. 271-81. Berg LE.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Nurse-patient-physician interaction in caring for patients in cerebral stress. pp. 155-71. Buckeridge AJ.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Nurse-patient-physician communicative interaction process. pp. 139-54. Daubenmire MJ.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Concepts and problems in the test and evaluation of health systems. pp. 293-313. De Greene KB.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Social work as an intervention subsystem. pp. 61-9. Hearn G.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

The client as the focal subsystem. pp. 25-35. Hearn G.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Systems approach to studying continuing health professions education needs. pp. 201-9. Hess JW.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

An adaptive health system model. pp. 109-22. Howland D.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

Systems approach to measuring and modeling the patient care operation. pp. 255-65. Jelinek RC.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.

The health care system: nursing intervention subsystem. pp. 51-60. King IM.
In: Werley WH, et al., ed. Health research: the systems

approach. New York, Springer, 1976. W 20.5 H434 1971.
Systems synthesis. pp. 283–91. Klir GJ.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Systems approach to studying community health. pp. 183–92. Meyer R, et al.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Systems approach to evaluation of quality of care in an urban hospital. pp. 193–200. Passos JY.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Observation and measurement of health systems behavior. pp. 123–33. Pierce LM.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
General systems theory: its impact in the health fields. pp. 15–24. Rizzo ND.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
The administrative and control subsystems in health care organizations. pp. 73–9. Rosen H.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Systems approach to studying information processing and decision making in medical diagnosis. pp. 225–48. Schwartz SH, et al.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
(75 ref.)
Bridging the gap between systems theory and research. pp. 173–8. Sills GM.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Theories 'produce' findings: studying effects of innovation in hospital nursing units. pp. 215–24. Smoyak S.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
The medical intervention subsystem and health services research. pp. 41–50. Tenney JB.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Health research: the systems approach. Introduction. pp. 5–13. von Bertalanffy L.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
An application of general systems theory to multiphasic screening. pp. 81–103. Weisman T, et al.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
Systems approach in studying medical–surgical nursing. pp. 249–53. Zagornik AD.
In: Werley WH, et al., ed. Health research: the systems approach. New York, Springer, 1976. W 20.5 H434 1971.
A systems approach to priority setting of interventions in groups. Kernberg OF. **Int J Group Psychother** 25(3):251–75, Jul 75
Letter: Information, Systems and Psychoanalysis. Friedmen L. **Int J Psychoanal** 56(1):123–9, 1975
Developing a demand forecasting system for a foodservice operation. Mackle M, et al. **J Am Diet Assoc** 68(5):457–60, MAY 76
A dietary department applies procedure for developing a demand forecasting system. Tienor CA, et al.
J Am Diet Assoc 68(5):460–2, MAY 76
Systems analysis of computerized EKG processing center. Ariet M, et al. **J Electrocardiol** 9(1):59–67, 1976
A systems approach to patient care, curriculum, and research in family practice. Wood M, et al. **J Med Educ** 50(12 Pt1):1106–12, Dec 75
Is our service delivery management system credible? Ehrle RA, et al. **J Rehabil** 41(6):21–2, 41, Nov–Dec 75
Network analysis for new course planning. Hills J, et al.
Nurs Times 72(20):suppl:74–6, 20 May 76
[The thermoregulatory system in man: a controlled system or a servo system?] Houdas Y, et al.
Arch Sci Physiol (Paris) 27(3):311–38, 1973 **(Fre)**
[Criteria for the choice of a system in medicine (author's transl)] Wingert F. **Munch Med Wochenschr** 117(44):1751–8, 31 Oct 75 (Eng. Abstr.) **(Ger)**
[System-research in the health-service (author's transl)] Beske F, et al. **Oeff Gesundheitswes** 38(1):1–11, Jan 76 (Eng. Abstr.) **(Ger)**
[Systems research in health care—a future task] Beske F.
Zahnaerztl Mitt 65(19):898–9, 1 Oct 75 **(Ger)**
[Clinical diagnosis and quantitative measurement of behavior] Hayashi C. **Jpn J Clin Med** 33(10):3098–108, Oct 75 **(Jpn)**
[Mass breeding of insects as an open system (based on the example of the lesser appleworm, Laspeyresia pomonella L.)] Pristavko VP. **Zh Obshch Biol** 36(2):275–82, Mar–Apr 75 **(Rus)**

METHODS

Weighting the residency training experience. Bailey BJ.
Trans Am Acad Ophthalmol Otolaryngol 80(4 Pt 1):408–14, Jul–Aug 75

SYSTEMS APPROACH see **SYSTEMS ANALYSIS**

SYSTEMS THEORY see **SYSTEMS ANALYSIS**

SZONDI TEST see under **PROJECTIVE TECHNICS**

T-GROUPS see **SENSITIVITY TRAINING GROUPS**

T-MYCOPLASMA see **UREAPLASMA**

T RNA METHYLTRANSFERASES see **RNA, TRANSFER, METHYLTRANSFERASES**

2,4,5-T see **2,4,5-TRICHLOROPHENOXYACETIC ACID**

TABARDILLO see under **TYPHUS**

TABES DORSALIS

Editorial: Hazards of tabes dorsalis. **Br Med J** 4(5998):669–70, 20 Dec 75

COMPLICATIONS

Tabetic lumbar osteoarthropathy with cauda equina syndrome. Case report. Cantore GP, et al.
Acta Neurochir (Wien) 33(1–2):107–12, 1976
Pyoderma gangrenosum, hypoplastic anaemia, tabes dorsalis. Vollum DI. **Br J Dermatol** 95 Suppl 24:69–70, Jul 76
Tabes dorsalis with sudden onset of paraplegia. Ghosh AK, et al. **Br J Vener Dis** 51(5):349–51, Oct 75
['Happy puppet' syndrome] Halal F, et al.
Union Med Can 105(7):1077–83, Jul 76 (Eng. Abstr.) **(Fre)**
[Tabic arthropathy from an orthopedic view–point (author's transl)] Erhart O. **Arch Orthop Unfallchir** 85(3):347–62, 19 Aug 76 (Eng. Abstr.) **(Ger)**
[Edema of the essential type as a symptom of tabes] Cardas M, et al. **Rev Med Intern [Neurol Psihiatr]** 20(4):267–70, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

[Illness experience of the functionally handicapped. A contribution to diagnostics] Paal G. **Bibl Psychiatr** (152):113–23, 1976 **(Ger)**

HISTORY

Venery, the spinal cord, and tabes dorsalis before Romberg: the contribution of Ernst Horn. Schiller F.
J Nerv Ment Dis 163(1):1–9, Jul 76

TABLETS

A profile scanning method of studying the release properties of different types of tablets in man. Alpsten M, et al.
Acta Pharm Suec 13(2):107–22, 1976
The use of the tensile failure of compacts for evaluation of powder compressibility. Jungersen O. **Acta Pharm Suec** 13(3):261–6, 1976
Crushability -- an important tablet property. Sandell E.
Acta Pharm Suec 12(5–6):499–502, 1975
Disintegration measurement of sugar coated tablets by thermal analysis. Nakai Y, et al.
Chem Pharm Bull (Tokyo) 22(12):2910–5, Dec 74
Comparison of tablets and paper discs for antibiotic sensitivity testing. Brown DF, et al. **J Clin Pathol** 28(12):983–8, Dec 75
Proceedings: Hardness distributions over tablet faces with different curvatures. Aulton ME, et al.
J Pharm Pharmacol 27 Suppl?–2:4P, Dec 75
Proceedings: The tensile strength of tablets of mixed components. Cook DT, et al. **J Pharm Pharmacol** 27 Suppl?–2:81P, Dec 75
Proceedings: The effect of compressional force on some properties of tablets containing microcrystalline cellulose. Marshall K, et al. **J Pharm Pharmacol** 27 Suppl?–2:53P, Dec 75
Proceedings: The influence of compaction pressure on the mechanical strength and strength variability of tablets. Newton JM, et al. **J Pharm Pharmacol** 27 Suppl?–2:5P, Dec 75
Proceedings: A comparison of the properties of film coatings prepared from water– and organic solvent–based solutions. Pickard JP, et al. **J Pharm Pharmacol** 27 Suppl?–2:6P, Dec 75
Microindentation – a method for measuring the elastic properties and hardness of films on conventionally coated tablets. Rowe RC. **J Pharm Pharmacol** 28(4):310–1, Apr 76
Proceedings: A surface area generation test apparatus for compressed tablets. Rubinstein MH, et al.
J Pharm Pharmacol 27 Suppl?–2:54P, Dec 75
Quantitative assessment of factors contributing to mottling of colored tablets II: formulation variables. Armstrong NA, et al. **J Pharm Sci** 65(2):200–4, Feb 76
Effect of surface roughness and coating solvent on film adhesion to tablets. Nadkarni PD, et al. **J Pharm Sci** 64(9):1554–7, Sep 75
Comparative evaluation of some direct compression diluents. Khan KA, et al. **Pharm Acta Helv** 51(1):23–6, 1976
Investigation of some materials as dry binders for direct compression in tablet manufacture. Part 5: Effects of lubricants and flow conditions. Asker AF, et al.
Pharmazie 30(6):378–82, Jun 75
Investigation of some materials as dry binders for direct compression in tablet manufacture. Part 4: Effect of disintegrants. Asker AF, et al. **Pharmazie** 30(6):377–82, Jun 75
Investigation of some materials as dry binders for direct compression in tablet manufacture. Part 3: Effect of diluents. Asker AF, et al. **Pharmazie** 30(6):373–6, Jun 75
Investigation of some materials as dry binders for direct compression in tablet manufacture. Part 7: Formulation and evaluation of ascorbic acid and phenobarbitone tablets. Asker AF, et al. **Pharmazie** 30(7):466–70, Jul 75
Investigation of some materials as dry binders for direct compression in tablet manufacture. Part 6: Effect of drug. Asker AF, et al. **Pharmazie** 30(7):463–5, Jul 75
A preliminary study of the physical stability of tablets prepared from powders stored under tropical conditions. York P. **Pharmazie** 31(6):383–6, Jun 76
[Advances in the production and control of tablets. XVI. Various types of oral preparations with delayed action] Chalabala M, et al. **Cesk Farm** 25(2):79–81, Mar 76 **(Cze)**
[Progress in the production and control of tablets. XVII. Native starches as pharmaceutic aids] Chalabala M, et al. **Cesk Farm** 25(3–4):125–8, May 76 **(Cze)**
[Influence of water penetration on the disintegration of tablets with a starchy base] Couvreur P, et al.
Ann Pharm Fr 33(12):683–92, Dec 75 (Eng. Abstr.) **(Fre)**
[Coatings. III. Influence of various filmogenic products and plasticizers on the dissolution of tablets with a sodium chloride base] Laguna O, et al. **Ann Pharm Fr** 33(5):235–42, May 75 (Eng. Abstr.) **(Fre)**
[The compression of powders. The measurement of ejection force for characterization of 'compressibility'] Stamm A, et al. **Ann Pharm Fr** 33(12):641–50, Dec 75 (Eng. Abstr.) **(Fre)**
[Mass transfer from solid forms (control of tablet dissolution] Armand H, et al. **J Pharm Belg** 30(2):159–85, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Mechanism of disintegration of tablets with a starch base] Couvreur P, et al. **J Pharm Belg** 29(5):399–414, Sep–Oct 74 (Eng. Abstr.) **(Fre)**
[Formation of tablets with the aid of chain extensiometry. II. Methodology of formulation] Delacourte–Thibaut A, et al. **J Pharm Belg** 29(6):489–522, Nov–Dec 74 **(Fre)**
[A method for comparison of the dissolution rates in sustained release tablets (author's transl)] Gimet R, et al.
J Pharm Belg 31(1):89–100, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[Tablets. XVI. The influence of humidity and temperature on the preservation of effervescent tablets] Faguet JP, et al. **Pharm Acta Helv** 50(9):251–61, 1975 (Eng. Abstr.) **(Fre)**
[Tablets. XV. Influence of Precirol on the in vitro liberation of sodium salicylate. The process of coating the grains] Terrier JL, et al. **Pharm Acta Helv** 50(7–8):226–31, 1975 **(Fre)**
[Tablets. XIV. Influence of Precirol on the in vitro liberation of sodium salicylate. The process of granulation and inclusion] Terrier JL, et al. **Pharm Acta Helv** 50(7–8):219–25, 1975 **(Fre)**
[Injection–molding technic for the production of oral delayed–action preparations. 3. Addition of highly water–soluble substances] Hüttenrauch R, et al.
Pharmazie 30(8,:536–40, Aug 75 **(Ger)**
[Molecular galenics. 1. Dependence of the comprimate hardness on the arrangement of the basic material] Hüttenrauch R, et al. **Pharmazie** 31(4):259–61, Apr 76 **(Ger)**
[Molecular galenics. 3. The determination of the relative energy of the H-bridge in the comprimates. The significance of the functional groups for the properties of the comprimates] Hüttenrauch R, et al. **Pharmazie** 31(4):261–2, Apr 76 **(Ger)**
[The manufacture and testing of matrix tablets with a silicone resin base] Moldenhauer H, et al. **Pharmazie** 29(11):720–4, 1975 **(Ger)**
[The effect of the particle size on the physical properties of tablets with special reference to dosage accuracy] Selmeczi B, et al. **Pharmazie** 30(7):471–2, Jul 75 **(Ger)**
[The role of the pressure curves in tablet pressing in the development of tablet production] Kovács B, et al.
Acta Pharm Hung 46(1):31–6, Jan 76 (Eng. Abstr.) **(Hun)**
[Standards of good manufacturing, methods of manufacturing: an outline] Bertulli G, et al.
Boll Chim Farm 114(12):669–83, Dec 76 **(Ita)**
[Choice of formulation based on the dissolution time of the active substance] Ceschel GC, et al. **Boll Chim Farm** 114(7):408–15, Jul 75 (Eng. Abstr.) **(Ita)**
[Uniformity of weight of semi–tablets derived from tablets with pre–fixed breaking] Colombo BM. **Boll Chim Farm** 114(1):53–4, Jan 75 (Eng. Abstr.) **(Ita)**
[Hardness test of tablets. Comparative studies of some automatic and manual apparatuses] Simioni L, et al.
Boll Chim Farm 115(2):100–7, Feb 76 (Eng. Abstr.) **(Ita)**
[Influence of various types of starch on the softening time of tablets II] Zecchi V, et al. **Boll Chim Farm** 114(9):528–33, Sep 75 (Eng. Abstr.) **(Ita)**
[Proposed method for softening time of tablets containing rice starch and its use in the quantitative evaluation of the activity of a disaggregating agent] Zecchi V, et al.
Farmaco [Prat] 30(2):98–106, Feb 75 (Eng. Abstr.) **(Ita)**
[Pharmaceutical studies on physical properties of solid form drugs. III. Influence of tablet formula and tablet shape on distribution of boring hardness inside tablet (author's transl)] Kigasawa K, et al. **J Pharm Soc Jpn** 95(7):769–73, Jul 75 (Eng. Abstr.) **(Jpn)**
[Stability of solid dosage forms. I. Fading of several colored

tablets by exaggerated light (author's transl)] Matsuda Y, et al. **J Pharm Soc Jpn** 96(4):425–33, Apr 76 (Eng. Abstr.) **(Jpn)**

[Increasing the rate of tableting] Borzunov EE, et al. **Farmatsiia** 25(2):13–4, 1976 (Eng. Abstr.) **(Rus)**

[Progress in the manufacturing and control of tablets. XV. Mathematical interpretation of the pressure process] Rak J, et al. **Cesk Farm** 24(2):84–91, Mar 75 **(Slo)**

[In vitro dissolution studies of dexamethasone tablets] Sánchez-Morcillo J, et al. **Boll Chim Farm** 114(8):457–67, Aug 75 (Eng. Abstr.) **(Spa)**

[Optimal planning of the manufacture of tablet preparations] Rassokha TM, et al. **Farm Zh** 31(1):51–5, Jan–Feb 76 **(Ukr)**

[Tabletting of a powder mixture frequently used for the treatment of epilepsy] Reviatskaia AP, et al. **Farm Zh** 31(3):90–1, May–Jun 76 **(Ukr)**

[Determination of the parameters of the molding instrument in tabletting machines depending on the side pressure in tabletting drug powders] Shukhin LM, et al. **Farm Zh** (5):89–91, Sep–Oct 75 **(Ukr)**

ANALYSIS

A rapid method for the assay of ascorbic acid tablets. Bark LS, et al. **Analyst** 100(1197):873–7, Dec 75

Identification of the major excipients in illicit tablets using infrared spectroscopy. Gomm PJ, et al. **J Forensic Sci Soc** 15(4):293–9, Oct 75

[Identification of excipients in tablets] Adam R, et al. **J Pharm Belg** 27(4):442–56, Jul–Aug 72 (Eng. Abstr.) **(Fre)**

[Analysis of factor influencing the releasing capacity of active ingredients in skeleton tablets] Kálmán K, et al. **Acta Pharm Hung** 45(5):181–8, Sep 75 (Eng. Abstr.) **(Hun)**

[The effect of cellulose derivatives on the physical properties of tablets] Selmeczi B, et al. **Acta Pharm Hung** 45(6):258–63, Nov 75 (Eng. Abstr.) **(Hun)**

[Granulate moisture and its effect on the quality of tablets] Makhkamov SM, et al. **Farmatsiia** 24(2):53–5, Mar–Apr 75 **(Rus)**

STANDARDS

Disintegration of coated tablets — unit-to-unit variation. Sandell E, et al. **Acta Pharm Suec** 12(3):293–6, 1975

A technique for the physical examination of illicitly made tablets. Gomm PJ. **J Forensic Sci Soc** 15(3):219–26, Jul 75

Editorial: Dissolution test blossoms. Feldmann EG. **J Pharm Sci** 65(4):I, Apr 76

TABLETS, ENTERIC-COATED

Effect of thermal gelation on dissolution from coated tablets. Schwartz JB, et al. **J Pharm Sci** 65(4):572–5, Apr 76

[Methods for biopharmaceutical evaluation of enteric gelatin capsules: use of Enterocaps gelatin capsules] Aiache JM, et al. **Boll Chim Farm** 114(11):636–50, Nov 75 (Eng. Abstr.) **(Fre)**

[Studies of enteric coatings] Balâtre P, et al. **J Pharm Belg** 30(4):351–75, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Effect of formulation of enterosoluable preparations on the physiologic availability of the active principle. 1: Effect on the rate of liberation of acetylsalicylic acid from enteric tablets on absorption characteristics in vivo] Delporte JP, et al. **J Pharm Belg** 30(2):99–113, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Influence of formulation of enteric coated tablets on the bioavailability of the drug. 4th Part: Influence of the enteric polymer dissolution pH on the 'in vivo' absorption of aspirin from coated tablets (author's transl)] Delporte JP, et al. **J Pharm Belg** 31(3):263–76, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Permeability of water vapor in polymers utilized for coating in the form of free films] Gurny PR. **Pharm Acta Helv** 51(1):1–10, 1976 (66 ref.) (Eng. Abstr.) **(Fre)**

[Therapy of sideropenic anemias with tardyferon (author's transl)] **Praxis** 65(9):245–51, 2 Mar 76 (Eng. Abstr.) **(Fre)**

[Electrochemical standardization of sustained-release coating material, II (author's transl)] Thoma K, et al. **Arch Pharm (Weinheim)** 309(5):337–46, 1976 (Eng. Abstr.) **(Ger)**

[Electrochemical standardization of sustained-release coating material, III (author's transl)] Thoma K, et al. **Arch Pharm (Weinheim)** 309(5):347–56, 1976 (Eng. Abstr.) **(Ger)**

[Composition of film coatings for tablets. 1. Effect of nonionic surface-active agents on the properties of films] Tomassini L, et al. **Pharmazie** 30(12):779–82, 1975 **(Ger)**

[Coating tablets with a protective film] Shmar'ian MI, et al. **Farmatsiia** 25(1):67–70, Jan–Feb 76 **(Rus)**

[Development of the optimal film-forming composition based on ethylcellulose for the protective coating of tablets on a fluidized bed] Groshovyi TA. **Farm Zh** (2):65–8, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Study of the process of tablet film coating on a fluidized bed using alcohol-chloroform solutions of hydroxypropylmethylcellulose] Groshovyi TA, et al. **Farm Zh** (1):80–3, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

[Tests on the disintegration of coated enterosoluble tablets. Influence of the composition of testing fluids on disintegration time in an artificial intestinal milieu of tablets coated with cellulose acetate phthalate] Delporte JP. **Farmaco [Prat]** 30(3):111–39, Mar 75 (Eng. Abstr.) **(Fre)**

STANDARDS

Disintegration of coated tablets — unit-to-unit variation. Sandell E, et al. **Acta Pharm Suec** 12(3):293–6, 1975

TABOO

Taboo and Malay tradition. Teoh JI. **Aust NZ J Psychiatry** 10(1A):105–10, Mar 76

Two kinds of morality—causalian or taboo. Ryan A. **Hastings Cent Rep** 5(5):5–7, Oct 75

Folklore and food habits. Shifflett PA. **J Am Diet Assoc** 68(4):347–50, Apr 76

Extraversion and pupillary response to affective and taboo words. Stelmack RM, et al. **Psychophysiology** 12(5):536–40, Sep 75

Dietary intakes and food taboos of lactating women in a South Indian community. Sundararaj R, et al. **Trop Geogr Med** 27(2):189–93, Jun 75

TACE see **CHLOROTRIANISENE**

TACHYCARDIA

Letter: Repetitive supraventricular tachycardia out of context. Selzer A. **Am Heart J** 91(4):539, Apr 76

Ventricular tachycardia–often the physician makes it worse. **Heart Lung** 5(1):143–5, Jan–Feb 76

Case studies: Chronic accelerated ventricular rhythm. Davidson RM. **J Electrocardiol** 9(3):249–54, 1976

The tachycardia–bradycardia syndrome. Kaplan BM. **Med Clin North Am** 60(1):81–99, Jan 76 (73 ref.)

Paroxysmal ventricular tachycardia of unknown etiology. Darby CW. **Proc R Soc Med** 68(5):305–6, May 75

[Stimulation in the diagnosis and treatment of ventricular tachycardia after myocardial infarct] Fontaine G, et al. **Coeur Med Interne** 14(2):287–97, Apr–Jun 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Clinical aspects and therapy of tachycardial arrhythmias including WPW-syndrome] Schlepper M. **Med Klin** 70(23):994, 6 Jun 75 **(Ger)**

[Clinical picture and therapy of tachycardia including the WPW-syndrome] Schlepper M. **Verh Dtsch Ges Inn Med** 81:119–31, 1975 **(Ger)**

[Chronic supra-ventricular tachycardia] Löfmark R. **Lakartidningen** 73(3):145–6, 14 Jan 76 **(Swe)**

CHEMICALLY INDUCED

Ventricular tachycardia: a new iatrogenic possibility. Fazzini P, et al. **Am Heart J** 90(6):805–6, Dec 75

The effect of intravenous digoxin on the occurrence of ventricular tachyarrhythmias in acute myocardial infarction in man. Reičansky I, et al. **Am Heart J** 91(6):705–11, Jun 76

Induction of atrioventricular nodal reentrant tachycardia after atropine. Report of five cases. Akhtar M, et al. **Am J Cardiol** 36(3):286–91, Sep 75

Phenothiazine induced ventricular tachycardia. Tri TB, et al. **West J Med** 123(5):412–6, Nov 75

[Electrocardiographic changes in patients with acute leukoses treated with rubidomycin or adriamycin at the Internal Clinic A] Avramović D, et al. **Bilt Hematol Transfuz** 4(1–2):105–8, 1976 (Eng. Abstr.) **(Ser)**

CLASSIFICATION

[Non-paroxysmal ectopic tachycardia and accelerated slipping contractions] Kushakovskiĭ MS. **Sov Med** (1):86–90, Jan 76 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Atrial tachyarrhythmias in acute myocardial infarction. Liberthson RR, et al. **Am J Med** 60(7):956–60, Jun 76

Association of ventricular extrasystoles and ventricular tachycardia with idioventricular rhythm. Talbot S, et al. **Br Heart J** 38(5):457–64, May 76

Bigeminal ventricular tachycardia with Wenckebach exit block. Antoniou C, et al. **Cardiology** 60(5):315–9, 1975

Second degree block during reciprocal atrioventricular nodal tachycardia. Wellens HJ, et al. **Circulation** 53(4):595–9, Apr 76

Anterograde block in accessory pathways with retrograde conduction in reciprocating tachycardia. Tonkin AM, et al. **Eur J Cardiol** 3(2):143–52, Aug 75

Tachyarrhythmias in Wolff-Parkinson-White syndrome. Treatment and prevention. Tonkin AM, et al. **JAMA** 235(9):947–9, 1 Mar 76

Acute leukemia presenting with pericardial involvement. Armitage JO, et al. **Nebr Med J** 61(6):198–201, Jun 76

Bidirectional ventricular tachycardia in familial hypokalaemic periodic paralysis. Stubbs WA. **Proc R Soc Med** 69(3):223–4, Mar 76

[Atrial tachycardia with atrioventricular block] Fricke G, et al. **Verh Dtsch Ges Inn Med** 81:141–4, 1975 **(Ger)**

[Simultaneous incidence of chronic dissecans aortic aneurysm and bidirectional tachydardia] Hazafi K, et al. **Z Gesamte Inn Med** 31(10):347–9, 15 May 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Case of bradycardia–tachycardia syndrome with frequent Adams–Stokes attacks caused by ventricular fibrillation] Nakamura S, et al. **Jpn Circ J** 39(7):876, Jul 75 **(Jpn)**

[Tachycardia– and bradycardia–dependent bundle branch block] Nakada Y. **Respir Circ (Tokyo)** 24(7):624, Jul 76 **(Jpn)**

[Surgical treatment of mitral stenosis in sick sinus syndrome] Kustrzycki A, et al. **Wiad Lek** 29(14):1275–8, 15 Jul 76 (Eng. Abstr.) **(Pol)**

[Tachycardia–bradycardia syndrome in children] Oskolkova MK, et al. **Pediatriia** (2):51–4, 1976 **(Rus)**

DIAGNOSIS

The diagnosis or ventricular tachycardia with ventriculo-atrial conduction. Shah A, et al. **Acta Cardiol (Brux)** 30(5):393–400, 1975

Clinical uses of His bundle electrocardiography. Part II. Akhtar M, et al. **Am Heart J** 91(5):660–4, May 76

Bidirectional tachycardia with normal QRS duration. Rothfeld EL. **Am Heart J** 92(2):231–3, Aug 76

Letter: Propanidid in dysrrhythmias. Homsek S. **Br Med J** 1(6006):398, 14 Feb 76

Ectopic atrial rhythm with pre-excitation. Amat-y-Leon F, et al. **Chest** 69(4):538–9, Apr 76

Transient supraventricular tachycardia appearing at birth in a newborn. Diagnostic and prognostic considerations. Modanlou H, et al. **Clin Pediatr (Phila)** 15(8):740–2, Aug 76

Double-atrial and ventricular tachycardia with a Wenckebach type of exit block. Tayob H, et al. **Heart Lung** 5(2):313, Mar–Apr 76

Ekg of the month. Tobin JR Jr, et al. **Ill Med J** 149(5):453, 484, May 76

Tachycardia and bradycardia dependent conduction disorders. pp. 100–3. El-Sherif. **In: Gordon MS, ed. Self-assessment in clinical cardiology II. Chicago, Year Book Medical Publishers, 1976. W3 SE38.**

Tachyarrhythmias in old age. Vaidya PN, et al. **J Am Geriatr Soc** 24(9):412–4, Sep 76

Rapid atrial stimulation for the conversion of arrhythmias. Morgan MG, et al. **J La State Med Soc** 127(9):365, 379–80, Sep 75

Electrocardiograms of the month. **NY State J Med** 76(2):247–8, Feb 76

Electrocardiograms of the month. Rubin IL, et al. **NY State J Med** 76(1):69–70, Jan 76

Mode of spontaneous onset and termination of supraventricular tachyarrhythmias. Furberg B, et al. **Ups J Med Sci** 80(2):113–7, 1975

[Significance of the isoproterenol test for the diagnostic differentiation of equal-side negative T-waves in the electrocardiogram] Autenrieth G. **Verh Dtsch Ges Inn Med** 81:205–8, 1975 **(Ger)**

[Multifocal atrial tachycardia] Esser H, et al. **Verh Dtsch Ges Inn Med** 81:144–6, 1975 **(Ger)**

[Clinical aspects of tachycardial heart-thythm disorders] Sterz H. **Wien Med Wochenschr** 126(24):343–4, 11 Jun 76 **(Ger)**

[Chronic supraventricular reverse tachycardia in retrograde conduction through accessory pathway] Pop T, et al. **Z Kardiol** 65(5):458–66, May 76 (Eng. Abstr.) **(Ger)**

[Some aspects of repetitive ventricular tachycardia] Brat A, et al. **Boll Soc Ital Cardiol** 18(2):93–101, 1973 (Eng. Abstr.) **(Ita)**

[Proceedings: Exercise loading test in sinus tachycardia] Kato S, et al. **Jpn Circ J** 39(7):880–1, Jul 75 **(Jpn)**

[The bradycardia–tachycardia syndrome] Salazar E, et al. **Arch Inst Cardiol Mex** 46(2):134–47, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Report of 2 unusual cases of arrhythmia in the Wolff Parkinson White syndrome] Villa JG, et al. **Rev Clin Esp** 141(3):271–6, 15 May 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Verapamil in the treatment of atrial tachycardia with block. Storstein O, et al. **Acta Med Scand** 198(6):483–8, Dec 75

Letter: Lidocaine and atrial tachyarrhythmias. Kostis JB. **Ann Intern Med** 84(6):757, Jun 76

Treatment of recurrent symptomatic ventricular tachycardia. Winkle RA, et al. **Ann Intern Med** 85(1):1–7, Jul 76

The effect of carbocromene on strophanthin-induced ventricular tachycardia in dogs. Carp CI, et al. **Basic Res Cardiol** 70(4):434–45, Jul–Aug 75

Assessment by continuous cardiac monitoring of minimum duration of preoperative propranolol treatment in thyrotoxic patients. Toft AD, et al. **Clin Endocrinol (Oxf)** 5(2):195–8, Mar 76

Antiarrhythmic and hemodynamic effects of an aminosteroid (Org 3001) in the digitalized dog. Remme WJ, et al. **Eur J Pharmacol** 36(1):189–97, Mar 76

Quinidine syncope. A report of successful treatment with bretylium tosylate. VanderArk CR, et al. **J Thorac Cardiovasc Surg** 72(3):464–7, Sep 76

Letter: Propranolol in the treatment of cardiopressor effect of cocaine. Rappolt RT Sr, et al. **N Engl J Med** 295(8):448, 19 Aug 76

[Pharmacodynamic study of supraventricular tachycardia in the human. Beneficial role of atropine] Gilbert JC, et al. **Therapie** 30(6):809–14, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Special problems of antiarrhythmic therapy as shown on the example of a tachycardia with atrioventricular

dissociation] Gerlach D, et al. **Dtsch Med Wochenschr** 100(36):1810–1, 5 Sep 75 **(Ger)**

[Drug therapy of tachycardial heart–rhythm disorders] Klein W. **Wien Med Wochenschr** 126(24):345–6, 11 Jun 76 **(Ger)**

[Practolol in the treatment of tachycardia after heart valve replacement] Astolfi D, et al. **Minerva Cardioangiol** 22(5):332–8, May 74 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Life–threatening arrhythmias in the mitral valve prolapse syndrome. Winkle RA, et al. **Am J Med** 60(7):961–7, Jun 76

Cardiac arrhythmias in acute central nervous system disease. Successful management with stellate ganglion block. Grossman MA. **Arch Intern Med** 136(2):203–7, Feb 76

Recurrent ventricular tachycardia in hypothyroidism. Lim CH, et al. **Aust NZ J Med** 6(1):68–70, Feb 76

Proceedings: Torsade de pointes; an atypical ventricular tachycardia. Krikler DM, et al. **Br Heart J** 38(3):311, Mar 76

Tachyarrhythmias associated with acute myocardial infarction: diagnosis, frequency, and significance. Chung EK. **Cardiovasc Clin** 7(2):157–65, 1975

Ventricular tachycardia–often the physician makes it worse. **Heart Lung** 5(1):143–5, Jan–Feb 76

Tachyarrhhythmias in acute myocardial infarction: recent diagnostic and therapeutic advances. pp. 161–7. Block PC.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Emergency surgical therapy of complicated acute myocardial infarction: indications and results in cardiogenic shock, intractable ventricular tachycardia, and extending infarction. pp. 445–51. Amsterdam EA, et al.
In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.

Pacemaker–induced ventricular tachycardia. Reversion to normal sinus rhythm by carotid sinus massage. Lorentzen D. **JAMA** 235(3):282–3, 19 Jan 76

Letter: Ventricular tachycardia. Reiffel JA. **JAMA** 236(12):1354, 20 Sep 76

Persistence of fetal cardiopulmonary circulation: one manifestation of transient tachypnea of the newborn. Bucciarelli RL, et al. **Pediatrics** 58(2):192–7, Aug 76

[Ventricular tachycardia due to premature supra–ventricular beats with a normal QRS complex. Analysis of a case] Touboul P, et al. **Arch Mal Coeur** 68(9):969–76, Sep 75 (Eng. Abstr.) **(Fre)**

[Ventricular tachycardias through re–entry. Late complication of myocardial infarction] Warin JF, et al. **Arch Mal Coeur** 67(12):1399–414, Dec 74 (Eng. Abstr.) **(Fre)**

[Letter: Intracardiac hyperaliemia after unclamping of renal transplants cooled by Collins' fluid] Soulillou JP, et al. **Nouv Presse Med** 5(25):1588–9, 19 Jun 76 **(Fre)**

[Sinus tachycardia after implantation of a pacemaker for 2 : 1 A–V block with bradycardia (author's transl)] Windeck R, et al. **Dtsch Med Wochenschr** 101(2):48–50, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[Therapy of refractory ventricular tachycardia in congenital diverticulum of the left ventricle. Clinical aspects and surgical therapy of a rare malformation] Hasse J, et al. **Schweiz Med Wochenschr** 106(6):182–5, 7 Feb 76 (Eng. Abstr.) **(Ger)**

[Re–entry tachycardias via various circuits in the WPW syndrome type A] Schlepper M, et al. **Verh Dtsch Ges Kreislaufforsch** 41:395–7, 1975 **(Ger)**

[Proceedings: Estimation of changes in ventricular dimension by means of echocardiography under pacemaker induced increase of the heart rate] Schöttler M, et al. **Z Kardiol** Suppl 2:46, 1975 **(Ger)**

[Idiopathic ventricular tachycardias] Vergassola R, et al. **Cardiol Prat** 26(1):55–61, Jan–Jun 75 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Fetal tachycardia and maternal pyrexia during labour. Odendaal HJ, et al. **S Afr Med J** 49(45):1873–5, 25 Oct 75

PATHOLOGY

De Subitaneis mortibus. XVI. Intractable tachycardia in infancy. Brechenmacher C, et al. **Circulation** 53(2):377–81, Feb 76

PHYSIOPATHOLOGY

Influence of pacemaker–induced tachycardia with A–V block on left ventricular blood velocity in man. Benchimol A, et al. **Am Heart J** 91(2):178–85, Feb 76

Reciprocation: a mechanism for tachycardias. Spurrell RA. **Am Heart J** 91(4):409–11, Apr 76 (22 ref.)

Reciprocal rhythm in patients with normal electrocardiogram: Evidence for dual conduction pathways. Touboul P, et al. **Am Heart J** 91(1):3–10, Jan 76

Atrioventricular block after reciprocating atrioventricular junctional tachycardia. Aranda JM, et al. **Am J Cardiol** 36(6):807–9, Nov 75

Sinus and atrioventricular nodal reentrant tachycardia in the same patient. Paulay KL, et al. **Am J Cardiol** 36(6):810–6, Nov 75

Effect of tachycardia on left ventricular blood flow distribution during coronary occlusion. Becker L. **Am J Physiol** 230(4):1072–7, Apr 76

Mechanism of diuretic response associated with atrial tachycardia. Boykin J, et al. **Am J Physiol** 229(6):1486–91, Dec 75

Influence of tachycardia on regional myocardial flow in chronic experimental coronary occlusion. Pasyk S, et al. **Basic Res Cardiol** 71(3):243–51, May–Jun 76

His bundle electrogram during bidirectional tachycardia. Gavrilescu S, et al. **Br Heart J** 37(11):1198–201, Nov 75

Torsade De Pointes, an atypical ventricular tachycardia. Krikler DM, et al. **Br Heart J** 38(2):117–20, Feb 76

Atrioventricular nodal reentry in the Wolff–Parkinson–White syndrome. Mandel WJ, et al. **Chest** 68(3):321–5, Sep 75

Circus movement in rabbit atrial muscle as a mechanism of tachycardia. II. The role of nonuniform recovery of excitability in the occurrence of unidirectional block, as studied with multiple microelectrodes. Allessie MA, et al. **Circ Res** 39(2):168–77, Aug 76

Effects of the pacing site on A–H conduction and refractoriness in patients with short P–R intervals. Aranda J, et al. **Circulation** 53(1):33–9, Jan 76

The mechanisms of supraventricular tachycardia in children. Gillette PC. **Circulation** 54(1):133–9, Jul 76

Observations on mechanisms of ventricular tachycardia in man. Wellens HJ, et al. **Circulation** 54(2):237–44, Aug 76

Idionodal tachycardia 'unmasked' by carotid sinus pressure. Pitcher J, et al. **Heart Lung** 4(5):789–90, Sep–Oct 75

Effects of the pacing site in sinus node reentrant tachycardia. Castellanos A, et al. **J Electrocardiol** 9(2):165–9, Apr 76

Recurrent tachycardias due to an accessory pathway. Gould L, et al. **J Electrocardiol** 9(3):259–64, 1976

Exit block in sustained atrial tachycardia in two children. Jacobsen JR. **J Electrocardiol** 8(3):259–64, Jul 75

Overdrive suppression in diagnosis of sick sinus syndrome. Toyama J, et al. **J Electrocardiol** 8(3):209–16, Jul 75

Performance of an abdominal left ventricular assist device during induced tachycardias and dysrhythmias. Naifeh JG, et al. **J Thorac Cardiovasc Surg** 72(2):175–81, AUG 76

Accessory atrioventricular conduction syndromes: a review. Greene HL. **Johns Hopkins Med J** 139(1):13–9, Jul 76

The mechanism of supraventricular tachycardia induced by a single premature beat in the isolated left atrium of the rabbit. I. Circus movement as a consequence of unidirectional block of the premature impulse. Allessie MA, et al. **Recent Adv Stud Cardiac Struct Metab** 5:303–8, 1975

Disturbances of transmembrane ionic fluxes and their role in the pathogenesis of cardiac dysrhythmias. Antoni H. **Recent Adv Stud Cardiac Struct Metab** 5:283–94, 1975 (26 ref.)

The mechanism of supraventricular tachycardia induced by a single premature beat in the isolated left atrium of the rabbit. II. The termination of the tachycardia. Bonke FI, et al. **Recent Adv Stud Cardiac Struct Metab** 5:309–14, 1975

[Eelctrocardiography of the bundle of His and cardiostimulation in supraventricular tachycardia] Vitek B. **Vnitr Lek** 22(5):417–30, May 76 (Eng. Abstr.) **(Cze)**

[Bi–directional tachycardia of infrabundle of his origin. Arguments for reciprocal rhythm] Camous JP, et al. **Arch Mal Coeur** 69(5):533–8, May 76 (Eng. Abstr.) **(Fre)**

[Telemetry of blood pressure in healthy subjects and patients with tachycardia and hypertension under Prindolol treatment] Bachour G, et al. **Med Klin** 71(14):580–5, 2 Apr 76 (Eng. Abstr.) **(Ger)**

[Supraventricular re–entry–tachycardias in the classical WPW syndrome. Findings of bundle–of–His electrography] Neuss H, et al. **Med Klin** 71(10):391–400, 5 Mar 76 (21 ref.) **(Ger)**

[Atrial re–entry tachycardia] Pop T, et al. **Z Kardiol** 64(11):1023–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Comparative ultrasonocardiographic study of the function of the left ventricle in tachycardia induced by exertion and electric stimulation] Sgarbi E, et al. **Boll Soc Ital Cardiol** 18(8):715–24, 1973 **(Ita)**

[Proceedings: Tachycardia in Wolff–Parkinson–White syndrome (electrographic observation on the bundle of His)] Ichise S, et al. **Jpn Circ J** 39(7):861, Jul 75 **(Jpn)**

[Left atrial pressure and antidiuretic hormone (author's transl)] Yoshida S. **Respir Circ (Tokyo)** 23(11):1005–8, Nov 75 **(Jpn)**

PREVENTION & CONTROL

Heart–rate decelerative Pavlovian conditioning with tilt as UCS: towards behavioural control of cardiac dysfunction. Furedy JJ, et al. **Biol Psychol** 4(2):93–106, Jun 76

[Prevention of ventricular tachycardia after myocardial infarction using an intracorporeal pacemaker. Apropos of one case] Fontaine G, et al. **Arch Mal Coeur** 68(9):961–8, Sep 75 (Eng. Abstr.) **(Fre)**

[Problems of medicinal prevention of different forms of paroxysmal tachycardia and tachyarrhythmia] Golikov AP, et al. **Ter Arkh** 48(1):90–3, 1976 **(Rus)**

SURGERY

[Indications for aneurysmectomy in the treatment of recurrent ventricular tachycardia] Marconi P, et al. **Arch Chir Torac Cardiovasc** 32(3–4):233–5, Jul–Dec 75 **(Ita)**

[Surgical treatment of irreducible arrhythmias in myocardial infarct] Marsocci G, et al. **Boll Soc Ital Cardiol** 18(4):316–21, 1973 (Eng. Abstr.) **(Ita)**

THERAPY

Refractory ventricular tachycardia and fibrillation in a patient with the prolapsing mitral leaflet syndrome: successful control with overdrive pacing. Ritchie JL, et al. **Am J Cardiol** 37(2):314–6, Feb 76

Dual–demand pacing for reciprocating atrioventricular tachycardia. Krikler D, et al. **Br Med J** 1(6018):1114–6, 8 May 76

Ventricular paired pacing to control rapid ventricular heart rate following open heart surgery. Observations on ectopic automaticity. Report of a case in a four–month–old patient. Waldo AL, et al. **Circulation** 53(1):176–81, Jan 76

Continuous rapid atrial pacing to control recurrent or sustained supraventricular tachycardias following open heart surgery. Waldo AL, et al. **Circulation** 54(2):245–50, Aug 76

Idionodal tachycardia 'abolished' by carotid sinus pressure. Rothfeld EL. **Heart Lung** 5(3):461, May–Jun 76

Overdrive pacing in the management of tachyarrhythmia. Khalilullah M, et al. **Indian Heart J** 27(3):196–202, Jul 75

Sick sinus (brady cardia–tachycardia) syndrome. Petermeyer BE. **J Am Osteopath Assoc** 75(12):1037–45, Aug 76

Pacing in ventricular tachycardia. Kusnoor VS, et al. **J Assoc Physicians India** 23(7):441–5, Jul 75

Rapid overdrive pacing of refractory tachyarrhythmias in patients after open–heart surgery. Lurie AJ, et al. **J Thorac Cardiovasc Surg** 72(3):458–63, Sep 76

Treatment of dysrhythmias in acute myocardial infarction part 1: Tachydysrhythmias. Becker L. **Md State Med J** 25(4):73–5, Apr 76

The management of tachyarrhythmias in the emergency room. Morgan J, et al. **Nebr Med J** 61(2):44–8, Feb 76

[Intra–atrial cardioversion in supraventricular tachycardial arrhythmia] Thormann J, et al. **Schweiz Med Wochenschr** 105(32):1020–6, 9 Aug 75 (Eng. Abstr.)

[Treatment of recurrent ventricular tachycardia] Weill D, et al. **Coeur Med Interne** 14(4):585–94, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Treatment of chronic recurrent ventricular tachycardia by pacemaker implantation] Wellens HJ, et al. **Coeur Med Interne** 13(4):683–5, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[The treatment of ventricular tachycardia in 1976] Fontaine G, et al. **Nouv Presse Med** 5(8):499–502, 21 Feb 76 **(Fre)**

[Therapy of tachycardia through single and multiple electric stimulation] Lüderitz B, et al. **Verh Dtsch Ges Inn Med** 81:174–6, 1975 **(Ger)**

[Methods of simple electric stimulation in the treatment of tachycardial arrhythmias] Urbaszek W, et al. **Z Aerztl Fortbild (Jena)** 69(24):1274–8, 15 Dec 75 **(Ger)**

[Mechanism of the effect of electrostimulation during the interruption of tachycardial arrhythmias] von Knorre GH, et al. **Z Gesamte Inn Med** 30(11):377–82, 1 Jun 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Stimulation therapy of recurring tachycardias in sinus node syndrome] Lüderitz B, et al. **Z Kardiol** Suppl 2:96, 1975 **(Ger)**

[Pacemaker therapy of intractable tachyarrhythmia] Harsányi A, et al. **Orv Hetil** 117(29):1575–60, 18 Jul 76 **(Hun)**

[Intracardiac stimulation in treatment of the so–called 'bradycardia–tachycardia' syndrome] Gatto E, et al. **Arch E Maragliano Patol Clin** 30(1):109–11, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Permanent bifocal electric stimulation in the treatment of the bradycardia–tachycardia syndrome in the disease of the sino–atrial node] Lotto A, et al. **Boll Soc Ital Cardiol** 18(9):835–8, 1973 **(Ita)**

[High–frequency electric stimulation of the atrium in treatment of supraventricular tachycardias and atrial flutter] Disertori M, et al. **G Ital Cardiol** 5(5):686–95, 1975 (Eng. Abstr.) **(Ita)**

[Artificial pacemaker implantation in bradycardia–tachycardia syndrome] Matsuura Y, et al. **Jpn J Thorac Surg** 29(1):57–61, Jan 76 (Eng. Abstr.) **(Jpn)**

VETERINARY

Atrioventricular dissociation with synchronous diaphragmatic flutter in a horse. White NA 2d, et al. **Vet Med Small Anim Clin** 70(8):967–74, Aug 75

TACHYCARDIA, PAROXYSMAL

Letter: Criteria for the LGL syndrome. Möller P. **Am Heart J** 91(4):539–41, Apr 76

'Benign' paroxysmal ventricular tachycardia. Das JP, et al. **Indian Heart J** 27(2):141–6, Apr 75

[Paroxysmal tachycardia in children (author's transl)] Fabečić–Sabadi V, et al. **Lijec Vjesn** 98(1):5–9, Jan 76 (Eng. Abstr.) **(Cro)**

[Lown–Ganong–Levine syndrome (author's transl)] Sotohata I, et al. **Respir Circ (Tokyo)** 24(3):219–27, Mar 76 (61 ref.) **(Jpn)**

[Editorial: Paroxysmal cardiac arhythmia and cerebral dysrhythmia] Pasini U, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(4):335–6, Jul–Aug 75 **(Por)**

COMPLICATIONS

Sinus bradycardia complicated by extrasystolic ventricular tachycardia with 2:1 retrograde A–V block. Bergman M, et al. **Heart Lung** 4(6):963, Nov–Dec 75

Orthostatic hypotension associated with paroxysmal ventricular tachycardia. Nanda RN, et al. **J Neurol Neurosurg Psychiatry** 38(7):698–702, Jul 75

[Syncope due to cessation of heterotopic rhythm] Testoni F, et al. **Boll Soc Ital Cardiol** 19(4):397–400, 1974 (Eng. Abstr.) **(Ita)**

CONGENITAL

Congenital paroxysmal atrial tachycardia. Radford DJ, et al. **Arch Dis Child** 51(8):613–7, Aug 76

DIAGNOSIS

Idiopathic ventr[illegible] tachycardia. An intracardiac electrical, hemodynamic [illegible] angiographic assessment of six patients. Chapman JH, et al. **Am J Med** 59(4):470–80, Oct 75

Fetal paroxysaml supraventricular tachycardia recorded by intrauterine scalp electrocardiography. Hochberg HM, et al. **J Perinat Med** 4(1):51–4, 1976

[Electrocardiographic modifications of chronic ischaemic cardiopathy in aged and old patients (author's transl)] Dumitru M. **Gerontol Clin (Basel)** 17(4):220–9, 1975 (Eng. Abstr.) **(Fre)**

[Supraventricular tachycardia of the newborn with fetoplacental anasarca] Saint-Martin J, et al. **Pediatrie** 30(4):419–28, Jun 75 **(Fre)**

[Diagnosis of the Lown–Ganong–Levine syndrome] Breithardt G, et al. **Dtsch Med Wochenschr** 100(49):2536–7, 5 Dec 75 **(Ger)**

[Radiotelemetric electrocardiography for the detection of 'paroxysmal tachycardia' under the influence of various stresses] Dittrich J, et al. **Munch Med Wochenschr** 117(28):1191–8, 11 Jul 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Paroxysmal tachycardia. (16). Some cases of paroxysmal tachycardia that became evident during observation] Tanemoto K, et al. **Jpn Circ J** 39(7):865, Jul 75 **(Jpn)**

[Ventricular paroxysmal tachycardia with prolongation of QT (the Romano–Ward syndrome)] Bakunowa F. **Pediatr Pol** 51(1):89–93, Jan 76 **(Pol)**

[Electrocardiogram of the bunddle of His in The Wolff–Parkinson–White and Lown–Ganon–Leveine syndromes] Sobrino JA, et al. **Rev Esp Cardiol** 28(6):487–94, 1975 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of digitalis in patients with paroxysmal atrioventricular nodal tachycardia. Wellens HJ, et al. **Circulation** 52(5):779–88, Nov 75

Comparison of verapamil and practolol in paroxysmal supraventricular tachycardia. Härtel G, et al. **Eur J Cardiol** 4(1):87–90, Mar 76

Arrhythmias in the coronary–care unit. VI. Physiologic bases for the use of antiarrhythmic drugs. Neasman AR, et al. **Heart Lung** 5(3):496–501, May–Jun 76

Verapamil in the treatment of paroxysmal supraventricular tachycardia. Krikler DM, et al. **Postgrad Med J** 50(585):447–53, Jul 74

The treatment of paroxysmal supraventricular tachycardia. Scheinman MM. **Ration Drug Ther** 10(5):1–6, May 76

[The use of potassium salts in the treatment of supraventricular paroxysmal tachycardia in patients with complete left bundle branch block] Capritti AG. **Minerva Cardioangiol** 23(12):884–93, Dec 75 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Prolongation of the tachycardia zone: a possible mechanism for medical failure in paroxysmal supraventricular tachycardia. Mandel WJ, et al. **Eur J Cardiol** 3(2):117–22, Aug 75

Tachycardia upon swallowing. Evidence for a left atrial automatic focus. Engel TR, et al. **J Electrocardiol** 9(1):69–73, 1976

Pseudoventricular tachyarrhythmia. Glancy DL. **J La State Med Soc** 127(12):473, 477, Dec 75

Unusual complication after total correction of transposition of the great arteries. A case report. Wildevuur CR, et al. **J Thorac Cardiovasc Surg** 70(3):471–7, Sep 75

Letter: Ear, Janeu, and heart. O'Kane JD. **Lancet** 2(7979):262, 31 Jul 76

[Recurrent ventricular tachycardia due to hydatic cyst of the heart. Recovery after surgical resection. Report of one case] Porte J, et al. **Arch Mal Coeur** 68(8):893–8, Aug 75 (Eng. Abstr.) **(Fre)**

[Paroxysmal tachycardia due to a latent Wolff–Parkinson–White syndrome] Slama R, et al. **Nouv Presse Med** 4(45):3167–72, 27 Dec 75 (Eng. Abstr.) **(Fre)**

[Significance of mental factors in paroxysmal ventricular tachycardias] Hoffmann A, et al. **Z Gesamte Inn Med** 31(10):344–6, 15 May 76 (Eng. Abstr.) **(Ger)**

[Pathogenesis of paroxysmal rhythm disorders in patients with ischemic heart disease] Bobkova VI, et al. **Sov Med** (4):9–11, Apr 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Ventricular paroxysmal tachycardia with loss of consciousness and prolongation of QT in the electrocardiogram] Bakunowa F, et al. **Pediatr Pol** 51(1):81–4, Jan 76 **(Pol)**

[Pre–excitation syndrome in monozygotic twins] Mispireta JL, et al. **Arch Inst Cardiol Mex** 46(1):3–11, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Atrioventricular conduction patterns in patients with paroxysmal supraventricular tachycardia. Bissett JK, et al. **Am Heart J** 91(3):287–91, Mar 76

Sinus node re–entry and sinus node tachycardia. Pahlajani DB, et al. **Am Heart J** 90(3):305–11, Sep 75

Sinus node re–entrant tachycardia in man. Weisfogel GM, et al. **Am Heart J** 90(3):295–304, Sep 75

Catheter mapping of retrograde atrial activation. Observations during ventricular pacing and AV nodal re–entrant paroxysmal tachycardia. Amat–y–Leon F, et al. **Br Heart J** 38(4):355–62, Apr 76

Intermittent bundle–branch block in patients with accessory atrio–His or atrio–AV nodal pathways. Variants of the Lown–Ganong–Levine syndrome. Befeler B, et al. **Br Heart J** 38(2):173–9, Feb 76

Proceedings: Paroxysmal re–entry sinus tachycardia. Curry PV, et al. **Br Heart J** 38(3):311, Mar 76

Proceedings: Autonomic features of supraventricular tachycardia. Dighton DH. **Br Heart J** 38(3):319, Mar 76

Effects of heart rate and atropine on 'dual AV conduction'. Neuss H, et al. **Br Heart J** 37(12):1216–27, Dec 75

Recurrent ventricular tachycardia due to reentry within the bundle branches. Gavrilescu S, et al. **Chest** 70(03):387–9, Sep 76

Electrophysiological studies in patients with chronic recurrent ventricular tachycardia. Denes P, et al. **Circulation** 54(2):229–36, Aug 76

Paroxysmal supraventricular tachycardia: is the atrium a necessary link? Josephson ME, et al. **Circulation** 54(3):430–5, Sep 76

Mechanism of reciprocating tachycardia initiated during sinus rhythm in concealed Wolff–Parkinson–White syndrome: report of a case. Sung RJ, et al. **Circulation** 54(2):338–44, Aug 76

Demonstration of dual atrioventricular nodal pathways utilizing a ventricular extrastimulus in patients with atrioventricular nodal re–entrant paroxysmal supraventricular tachycardia. Wu D, et al. **Circulation** 52(5):789–98, Nov 75

Arrhythmias in the coronary–care unit. IV. Physiologic bases of paroxysmal tachycardia–dependent bundle branch block. Neasman AR, et al. **Heart Lung** 5(1):139–42, Jan–Feb 76

Arrhythmias in the coronary–care unit. III. Physiologic bases of paroxysmal tachycardia–dependent A–V block. Schobel RC, et al. **Heart Lung** 4(6):964–8, Nov–Dec 75

Spontaneous atrial premature depolarizations during paroxysmal reentrant tachycardia. Massing GK, et al. **J Electrocardiol** 9(2):175–80, Apr 76

The R–on–T phenomenon during supraventricular tachycardia in childhood. Sung RJ, et al. **J Electrocardiol** 9(2):171–4, Apr 76

Refractory paroxysmal supraventricular tachycardia incited by multiple mechanisms. Walter P, et al. **J Electrocardiol** 8(4):343–9, 1975

[Paroxysmal junctional tachycardia. Determination of the inferior point of junction of the reentry circuit. Dissociation of the intra–nodal reciprocal rhythms] Coumel P, et al. **Arch Mal Coeur** 68(12):1255–68, Dec 75 (Eng. Abstr.) **(Fre)**

[A study of atrio–ventricular conduction in subjects with the Lown–Ganong–Levine syndrome (author's transl)] Grazi S, et al. **G Ital Cardiol** 6(1):106–11, 1976 **(Ita)**

[Proceedings: Clinical application of His bundle electrogram recording––paroxysmal supraventricular tachycardia] Sato K, et al. **Jpn Circ J** 39(7):882, Jul 75 **(Jpn)**

[Proceedings: Paroxysmal tachycardia. (15). Electrocardiographic observation on supraventricular paroxysmal tachycardia at the time of attacks] Tanemoto K, et al. **Jpn Circ J** 39(7):865, Jul 75 **(Jpn)**

[Electrophysiologic study in a case of Lown–Ganong–Levine syndrome (author's transl)] Shinoda S, et al. **Respir Circ (Tokyo)** 24(3):253–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Short PQ, narrow QRS, and short HV interval (author's transl)] Takagi M, et al. **Respir Circ (Tokyo)** 23(7):623–30, Jul 75 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Recurrent reciprocating tachycardias in the Wolff–Parkinson–White syndrome; control by the use of a scanning pacemaker. Mandel WJ, et al. **Chest** 69(6):769–74, Jun 76

[Letter: Paroxysmal supraventricular and ventricular tachycardia] Bender F. **Dtsch Med Wochenschr** 100(36):1814, 5 Sep 75 **(Ger)**

[Cordarone in the maintenance of sinus rhythm: prevention of paroxysmal atrial fibrillation and of supraventricular paroxysmal tachycardia] Zagatti G, et al. **Arch E Maragliano Patol Clin** 30(2):245–9, Jul–Dec 74 **(Ita)**

SURGERY

[Aneurysmectomy as the treatment for refractory tachydardias in patients with ventricular arrhythmias of chagasic etiology] Lamourier EN, et al. **Arq Bras Cardiol** 28(5):549–55, Oct 75 (Eng. Abstr.) **(Por)**

THERAPY

Patient–initiated rapid atrial pacing to manage supraventricular tachycardia. Kahn A, et al. **Am J Cardiol** 38(2):200–4, Aug 76

Permanent atrial pacing. Epicardial approach – 'pinch–on' electrodes. Calvin JW. **Arch Surg** 111(6):712–5, Jun 76

Proceedings: Management of paroxysmal supraventricular tachycardia using a scanning pacing system. Spurrell RA, et al. **Br Heart J** 38(5):536, May 76

Pacing techniques in the management of supraventricular tachycardias. Part 1. The use of high frequency stimulation (HFS) in the management of paroxysmal supraventricular tachycardia. Spurrell RA, et al. **J Electrocardiol** 8(3):287–95, Jul 75

Pacing techniques in the management of supraventricular tachycardias. Part 2. An implanted atrial synchronous pacemaker with a short atrioventricular delay for the prevention of paroxysmal supraventricular tachycardias. Spurrell RA, et al. **J Electrocardiol** 9(1):89–96, 1976

Conversion of paroxysmal atrial tachycardia by facial immersion in ice water. Wayne MA. **JACEP** 5(6):434–5, Jun 76

Letter: Ventricular tachycardia caused by the diving reflex. Condry P, et al. **Lancet** 2(7947):1263, 20 Dec 75

Demand pacemaker for refractory atrial tachycardia in a patient with aortic regurgitation. Shettigar UR, et al. **West J Med** 123(5):407–11, Nov 75

[Proceedings: Therapy of paroxysmal atrial tachycardia (PAT) with partial AV block] Nowak FG, et al. **Z Kardiol** Suppl 2:119, 1975 **(Ger)**

[Stimulation with radiofrequency in the therapy of paroxysmal tachycardia crises in the Wolff–Parkinson–White syndrome] Fantini F, et al. **Boll Soc Ital Cardiol** 18(6):517–23, 1973 **(Ita)**

[Preventive treatment of reciprocating tachycardia with a fixed frequency pacemaker] Montoyo JV, et al. **Rev Esp Cardiol** 28(4):299–306, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

TACHYPHYLAXIS

Vasopressin tachyphylaxis. A study in conscious man. Erwalo R. **Acta Chir Scand** 142(1):30–5, 1976

Tachyphylaxis to sodium nitroprusside. Amaranath L, et al. **Anesthesiology** 44(4):345–8, Apr 76

Acute tolerance to effects of topical glucocorticosteroids. Vivier AD, et al. **Br J Dermatol** 94 suppl 12:25–32, Mar 76

Investigations on the development of collaterals, coronary flow, tachyphylaxis and steal phenomenon in dogs after application of Adalat. pp. 92–100. Schmier J, et al. **In: Lochner W, et al., ed. New therapy of ischemic heart disease. Berlin, Springer, 1975. W3 IN789 1974n.**

The mechansim of tachyphylaxis to ICI 74,917 and disodium cromoglycate. Marshall PW, et al. **Int Arch Allergy Appl Immunol** 51(3):274–83, 1976

Proceedings: Macrophage adenyl cyclase tachyphylaxis–a new property of migration inhibitory factor. Pick E, et al. **Isr J Med Sci** 11(12):1379–80, Dec 75

Amphetamine tachyphylaxis in the pithed guinea–pig. Gerald MC. **J Pharm Pharmacol** 27(11):825–31, Nov 75

Further studies on angiotensin tachyphylaxis. Moore A, et al. **J Pharmacol Exp Ther** 197(3):575–81, Jun 76

Effects of isopropylnoradrenaline on tachyphylaxis of gastrin stimulated gastric acid secretion and mucosal blood flow in the anaesthetized cat. Reed JD, et al. **J Physiol (Lond)** 254(1):153–68, Jan 76

On the mechanism of tachyphylaxis to histamine in guinea pig seminal vesicle. Paranipe BD, et al. **Mater Med Pol** 7(4):322–5, Oct–Dec 75

Dose–response effects of prostaglandin F2alpha on the rabbit oviduct: reproductive endocrine influence and tachyphylaxis. Heilman RD, et al. **Prostaglandins** 12(1):127–37, Jul 76

[Threshold and duration of tachyphylaxis to angiotensin II in the binephrectomized rat] Busslinger AM, et al. **Therapie** 30(6):887–95, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Reflexphotometric determinations of vasoconstriction after topical application of steroids. V. Vasoconstriction phaenomenon and tachyphylaxis after repeated steroid application (author's transl)] Altmeyer P, et al. **Arch Dermatol Res** 255(1):51–6, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[On tachyphylaxis to adrenaline: study of drug effects on beta–adrenergic venous receptors in humans] Sicuteri F, et al. **Boll Soc Ital Biol Sper** 51(14):889–94, 30 Jul 75 **(Ita)**

[Release of prostaglandin E responsible for tachyphylaxis to noradrenaline] Szuperska–Ocetkiewicz A. **Folia Med Cracov** 18(1):43–56, 1976 (Eng. Abstr.) **(Pol)**

TACRINE see under **ACRIDINES**

TAENIA

The rat (Rattus norvegicus) as a laboratory host for the metacestodes of Taenia crassiceps. Blair LS, et al. **J Parasitol** 62(1):163–4, Feb 76

The location of Taenia pisiformis, Taenia ovis and Taenia hydatigena in the gut of the dog and its effect on net

environmental contamination with ova. Coman BJ, et al. **Z Parasitenkd** 47(4):237–48, 31 Oct 75

[Are Taeniarhynchus eggs in the sewage of urbanized regions an 'indicator' the occurrence of adult worms?] Engelbrecht H. **Angew Parasitol** 17(1):43–4, Mar 76 **(Ger)**

[Taeniarhynchosis in the GDR. Data on the incidence during 1966–1973. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis–Cysticercosis' on April 26th, 1974 in Schwerin] Engelbrecht H. **Angew Parasitol** 16(4):214–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Study of taeniarhynchosis in 5 districts of the People's Republic of Bulgaria with reference to chemoprophylaxis. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis–Cysticercosis' on April 26th, 1974 in Schwerin] Genoff G, et al. **Angew Parasitol** 16(4):202–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Human taeniarhynchosis in the CSSR. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis–Cysticercosis' on April 26th, 1974 in Schwerin] Slais J. **Angew Parasitol** 16(4):218–9, Dec 75 (Eng. Abstr.) **(Ger)**

[Results of trichlosal treatment of patients with taeniarhynchosis in outpatient wards] Markin AV, et al. **Med Parazitol (Mosk)** 44(6):730–1, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Current status and prospects of eradication of taeniarhynchosis in the Soviet Union] Prokopenko LI, et al. **Med Parazitol (Mosk)** 44(2):131–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Studies on the integument of cestodes. V. Histochemical observations on the integument of the neck region of Taenia hydatigena. Muthukrishnan S. **Acta Histochem (Jena)** 52(2):234–8, 1975

Studies on the integument of cestodes. VI. Histochemical studies on the fate of structural polysaccharide in the integument of gravid proglottides of Taenia hydatigena. Muthukrishnan S. **Acta Histochem (Jena)** 54(1):1–4, 1975

Astaxanthin ester, a dominating carotenoid in Taenia saginata (Cestoidea). Czeczuga B. **Bull Acad Pol Sci [Biol]** 23(12):829–32, 1975

Cytochemical characterization of tegument membrane-associated carbohydrates in Taenia crassiceps larvae. Trimble JJ 3d, et al. **J Parasitol** 61(4):665–76, Aug 75

[Mineral content and enzyme activity of Cysticercus tenuicollis in sheep and swine] Enigk K, et al. **Zentralbl Veterinaermed [B]** 23(3):255–64, Apr 76 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Morphological and histochemical demonstration of hooks in the rostellar region of Cysticercus bovis. Zdárská Z. **Folia Parasitol (Praha)** 23(2):131–4, 1976

DRUG EFFECTS

Morphological changes in cysticerci of Taenia taeniaeformis after mebendazole treatment. Borgers M, et al. **J Parasitol** 61(5):830–43, Oct 75

ENZYMOLOGY

The histochemical localization of esterases in whole mounts of Cysticercus fasciolaris. Leflore WB, et al. **Trans Am Microsc Soc** 95(1):73–9, Jan 76

GROWTH & DEVELOPMENT

The development of Taenia pisiformis in various definitive host species. Beveridge I, et al. **Int J Parasitol** 5(6):633–9, Dec 75

The development of the rostellar hooks of Taeni pisiformis. Beveridge I, et al. **Int J Parasitol** 6(1):55–9, Feb 76

Studies on the in vitro culture of Taenia crassiceps. Esch GW, et al. **Int J Parasitol** 6(2):143–9, Apr 76

The growth of the metacestodes of Taenia crassiceps in white mice. Chernin J. **J Helminthol** 49(4):297–300, Dec 75

IMMUNOLOGY

Resistance to Taenia pisiformis larvae in rabbits: immunization against infection using non-living antigens from in vitro culture. Heath DD. **Int J Parasitol** 6(1):19–24, Feb 76

Immunological response of the rat to infection with Taenia taeniaeformis: protective antibody response to implanted parasites. Musoke AJ, et al. **Int J Parasitol** 6(3):265–9, Jun 76

Serological studies on pigs experimentally infected with Taenia solium or Taenia hydatigena. Herbert IV, et al. **J Comp Pathol** 85(4):487–98, Oct 75

[Indirect hemagglutination test with erythrocytic preparations for the diagnosis of cysticercosis in cattle] Bol'shakova GM, et al. **Med Parazitol (Mosk)** 44(2):142–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Immunoelectrophoresis and double immunodiffusion in the diagnosis of human cerebral cysticercosis] Flisser A, et al. **Arch Invest Med (Mex)** 6(1):1–12, 1975 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

[Subcutaneous cysticercosis. 8 cases in children] Alvarez Chacón R, et al. **Bol Med Hosp Infant Mex** 32(6):1115–22, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

METABOLISM

Histochemistry of the parenchyma of Cysticercus bovis. Zdárská Z. **Folia Parasitol (Praha)** 22(4):345–54, 1975

Incorporation of calcium into the soft tissues and calcareous corpuscles of larval Taenia taeniaeformis. von Brand T, et al. **Z Parasitenkd** 48(1):53–63, 11 Dec 75

PHYSIOLOGY

Studies on the integument of cestodes. II. The nature of protein component in the integument of gravid proglottides of Taenia hydatigena. Muthukrishnan S. **Acta Histochem (Jena)** 53(2):175–81, 1975

The survival of Taenia pisiformis eggs under laboratory conditions and in the field environment. Coman BJ. **Aust Vet J** 51(12):560–5, Dec 75

RADIATION EFFECTS

The effects of x-radiation on Taenia pisiformis. Beveridge I, et al. **Int J Parasitol** 5(6):641–9, Dec 75

The effect of gamma radiation on the cysticerci of Taenia solium. Verster A, et al. **Onderstepoort J Vet Res** 43(1):23–6, Mar 76

ULTRASTRUCTURE

Taenia hydatigena—V. Surface structure of the adult worm and evaginated scolex. Featherston DW. **Int J Parasitol** 5(6):625–9, Dec 75

[Ultrastructural examination of Cysticercus bovis] Machnicka B, et al. **Wiad Parazytol** 21(6):831–7, 1975 **(Pol)**

TAENIA INFECTIONS see **TAENIASIS**

TAENIACIDES see **ANTICESTODAL AGENTS**

TAENIARHYNCHUS see under **TAENIA**

TAENIASIS

see related
CYSTICERCOSIS

[The hamster (Mesocricetus auratus) as an experimental definitive host of Taenia solium (author's transl)] Letonja T. **Bol Chil Parasitol** 30(1–2):32–3, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of parenterally injected benzimidazole compounds on Echinococcus multilocularis and Taenia crassiceps metacestodes in laboratory animals. Campbell WC, et al. **J Parasitol** 61(5):844–52, Oct 75

[Results of trichlosal treatment of patients with taeniarhynchosis in outpatient wards] Markin AV, et al. **Med Parazitol (Mosk)** 44(6):730–1, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

HISTORY

Historical anecdote: Dr. A. Brayer and Europe's discovery of kosso. Pankhurst R. **Ethiop Med J** 13(1):29–34, Jan 75

IMMUNOLOGY

The immunological response of the rat to infection with taeniaeformis. IV. Immunoglobulins involved in passive transfer of resistance from mother to offspring. Musoke AJ, et al. **Immunology** 29(5):845–53, Nov 75

The immunological response of the rat to infection with Taenia taeniaeformis. V. Sequence of appearance of protective immunoglobulins and the mechanism of action of 7Sgamma2a antibodies. Musoke AJ, et al. **Immunology** 29(5):855–66, Nov 75

Immunity to parasites (helminths and arthropods). pp. 127–35. Ogilvie BM.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4. (43 ref.)

Resistance to Taenia pisiformis larvae in rabbits: immunization against infection using non-living antigens from in vitro culture. Heath DD. **Int J Parasitol** 6(1):19–24, Feb 76

Immunological response of the rat to infection with Taenia taeniaeformis: protective antibody response to implanted parasites. Musoke AJ, et al. **Int J Parasitol** 6(3):265–9, Jun 76

OCCURRENCE

[Are Taeniarhynchus eggs in the sewage of urbanized regions an 'indicator' the occurrence of adult worms?] Engelbrecht H. **Angew Parasitol** 17(1):43–4, Mar 76 **(Ger)**

[Taeniarhynchosis in the GDR. Data on the incidence during 1966–1973. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis–Cysticercosis' on April 26th, 1974 in Schwerin] Engelbrecht H. **Angew Parasitol** 16(4):214–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Study of taeniarhynchosis in 5 districts of the People's Republic of Bulgaria with reference to chemoprophylaxis. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis–Cysticercosis' on April 26th, 1974 in Schwerin] Genoff G, et al. **Angew Parasitol** 16(4):202–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Human taeniarhynchosis in the CSSR. Report given during the IVth symposium of the GDR on 'Taeniarhynchosis–Cysticercosis' on April 26th, 1974 in Schwerin] Slais J. **Angew Parasitol** 16(4):218–9, Dec 75 (Eng. Abstr.) **(Ger)**

[Prescription return for the improvement of compulsory reporting of taeniasis] Semlow A, et al. **Z Gesamte Hyg** 21(1):58–61, Jan 75 (Eng. Abstr.) **(Ger)**

[Taeniasis] **Przegl Epidemiol** 30(1):129–32, 1976 **(Pol)**

[Analysis of taeniasis morbidity based on data from Ternopol Province] Maevskii AG. **Vrach Delo** (1):142–5, Jan 76 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The growth of the metacestodes of Taenia crassiceps in white mice. Chernin J. **J Helminthol** 49(4):297–300, Dec 75

PREVENTION & CONTROL

[Current status and prospects of eradication of taeniarhynchosis in the Soviet Union] Prokopenko LI, et al. **Med Parazitol (Mosk)** 44(2):131–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Experience in the control of teniasis and cellulosae cysticercosis] Korzhenevskii VI, et al. **Veterinariia** (2):75–6, Feb 75 **(Rus)**

RADIOGRAPHY

The radiological diagnosis of tapeworms: two cases of Taenia saginata infestation. Grahovac Z, et al. **Can Med Assoc J** 102(9):967–8, 9 May 70

THERAPY

[Implementation of mandatory taeniasis treatment in Poland in the years 1972–1973] Zespolowa P. **Przegl Epidemiol** 30(2):193–6, 1976 (Eng. Abstr.) **(Pol)**

TRANSMISSION

[Paths of dissemination of Taenia saginata in a rural environment] Adonajlo A, et al. **Przegl Epidemiol** 29(3):327–34, 1975 (Eng. Abstr.) **(Pol)**

[Routes of dissemination of Taenia saginata in rural environment. II. Studies in the Poznan region] Adonjajlo A, et al. **Przegl Epidemiol** 30(1):27–33, 1976 (Eng. Abstr.) **(Pol)**

VETERINARY

Vaccination of lambs against infection with Taenia ovis. Rickard MD, et al. **Aust Vet J** 52(5):209–14, May 76

Treatment of Taenia hydatigena infections in dogs with bunamidine hydroxynaphthoate incorporated in food. Gemmell MA, et al. **NZ Vet J** 23(7):142–4, Jul 75

The effect of mebendazole on Echinococcus granulosus and Taenia hydatigena infections in dogs. Gemmell MA, et al. **Res Vet Sci** 19(2):229–30, Sep 75

The effect of nitroscanate on Echinococcus granulosus and Taenia hydatigena infections in dogs. Gemmell [illegible], et al. **Res Vet Sci** 19(2):217–9, Sep 75

The effect of fospirate on Echinococcus granulosus and Taenia hydatigena infections in dogs. Gemmell MA, et al. **Res Vet Sci** 19(2):216–7, Sep 75

TAENIORHYNCUS see under **MOSQUITOES**

TAGATURONATE REDUCTASE see under **ALCOHOL OXIDOREDUCTASES**

TAI 284 see under **INDENES**

TAIL

Proceedings: Tail rattling in aggressive mice as a measure of tranquillizing activity of drugs. Kršiak M. **Act Nerv Super (Praha)** 17(4):225–6, 1975

Cytochrome oxidase and ascorbic acid in the normal and regenerating tail of the scincid lizard, Mabuya carinata. A histophysiological study. Ramachandran AV, et al. **Acta Anat (Basel)** 93(3):411–20, 1975

Transmission of the nucleic acid–induced character, caudal fin, to the offspring in goldfish. Tung TC, et al. **Sci Sin** 18(2):223–31, Mar–Apr 75

Letter: Tail tip granulomas. McLaren WP. **Vet Rec** 98(12):245, 20 Mar 76

Letter: Tail-tip granuloma. Noel-Smith A. **Vet Rec** 98(18):372, 1 May 76

[Total cataract and retinal detachment after a blow from a cow's tail (author's transl)] Scheerer R. **Klin Monatsbl Augenheilkd** 167(1):123–4, Jul 75 (Eng. Abstr.) **(Ger)**

[The influencing of rat-tail tumors with and without irradiation] Frischkorn R, et al. **Strahlentherapie** 151(3):214–21, Mar 76 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Effects of the brachyury (T) mutation on mitotic activity in the neural tube. Yanagisawa KO, et al. **Dev Biol** 47(2):433–8, Dec 75

An unusual two-tailed mouse. Nash DJ. **Teratology** 12(2):121–4, Oct 75

ANATOMY & HISTOLOGY

[Comparative study of the caudal musculature of species of the genus Hydromantes (Amphibia, Plethodontidae)] Serra GP, et al. **Arch Ital Anat Embriol** 79(1-2):13-28, 1974 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Proceedings: Measurement of blood flow in the mouse tail after irradiation. de Rutter J, et al. **Br J Cancer** 32(6):763, Dec 75

Critical opening pressure and reactivity of tail vessels in conscious hypertensive rats. Darke AC, et al. **Can J Physiol Pharmacol** 54(03):314-21, Jun 76

Effects of local vibration on the rat tail circulation. Hellstrom B. **Int Arch Arbeitsmed** 33(4):285-95, 1974

Regional vascular influences on tail-cuff measurements of drug-induced changes in systolic pressure. Buñag RD, et al. **J Appl Physiol** 39(5):724-7, Nov 75

Inactivation of neural and exogenous norepinephrine in rat tail artery studied by the oil immersion technique. Wyse DG. **J Pharmacol Exp Ther** 198(1):102-11, Jul 76

Mouse restraining chamber for tail-vein injection. Furner RL, et al. **Lab Anim Sci** 25(5):648, Oct 75

EMBRYOLOGY

The embryogenesis of trypan-blue induced spina bifida aperta and short tail in the rat. Lendon RG. **Dev Med Child Neurol [Suppl]** (35):3-10, 1975

[Induced degeneration and lysosome activity in the cells of the tail bud in the early chick embryo] Lanot R. **Bull Assoc Anat (Nancy)** 59(165):457-60, Jun 75 (Eng. Abstr.) **(Fre)**

[The role of temperature in phenotypic expression of amphibian embryos Pleurodeles waltlii homozygous for the heat-sensitive mutation ac (caudal ascites)] Fernandez M, et al. **J Embryol Exp Morphol** 34(1):221-52, Aug 75 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Aspects of tail muscle ultrastructure and its degeneration in Rana temporaria. Fox H. **J Embryol Exp Morphol** 34(1):191-207, Aug 75

Postnatal cytochemical development of muscle fibers in segmental tail muscles of the rat. Ovalle WK. **J Embryol Exp Morphol** 35(2):425-35, Apr 76

Growth promotion by homocysteic acid. Clopath P, et al. **Science** 192(4237):372-4, 23 Apr 76

INJURIES

[Traumatic paraplegia in bull calves] Shakalov KI, et al. **Veterinariia** (10):93-4, Oct 75 **(Rus)**

INNERVATION

Proceedings: Characteristics of neurones in the ventrobasal thalamus of the rat which respond to noxious stimulation of the tail. Hellon RF, et al. **J Physiol (Lond)** 250(1):29P-30P, Aug 75

METABOLISM

Thyroxine-binding proteins in liver and tail of Rana catebeiana undergoing metamorphosis. Durban E, et al. **Biochim Biophys Acta** 437(1):175-89, 23 Jun 76

Taurine levels in the anuran tadpole tail during spontaneous and triiodothyronine-induced metamorphosis. Little GH, et al. **Comp Biochem Physiol [A]** 54(2):245-7, 1976

Binding by thyroid hormones by nuclei of cells from bullfrog tadpole tail fins. Yoshizato K, et al. **Endocrinology** 97(4):1030-5, Oct 75

[Comparative studys on ages-related changes in collagen structures of Achilles and tail tendons in rats] Utevs'ka LA, et al. **Ukr Biokhim Zh** 48(1):34-8, Jan-Feb 76 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

The role of the tail in temperature regulation of the cotton rat, Sigmodon hispidus. Kirksey ER, et al. **Comp Biochem Physiol [A]** 52(4):707-11, 1 Dec 75

Studies on pteridines during tail regeneration in Amphibia. Kokolis N. **Comp Biochem Physiol [B]** 54(2):285-7, 1976

Regeneration in haploid tissue in Rana pipiens embryos. Pogañy GC, et al. **Experientia** 32(2):233-4, 15 Feb 76

Effects of hormones on tail regeneration and regression in Rana catesbeiana tadpoles. Li CW, et al. **Gen Comp Endocrinol** 29(3):376-82, Jul 76

The direct potential of the intestinal wall. Its change in ischemia and revascularization. An experimental study in the rat. Campos ST, et al. **Rev Bras Pesqui Med Biol** 8(5-6):481-7, Sep-Dec 75

[Reactions of pigeon tail muscles to the effect of angular acceleration and centrifugal force] Semenov LA. **Fiziol Zh SSSR** 61(8):1249-53, Aug 75 **(Rus)**

RADIATION EFFECTS

Tolerance of rodent tails to necrosis after 'daily' fractionated X rays or D-T neutrons. Hendry JH, et al. **Br J Radiol** 49(584):690-9, Aug 76

Restraining rats with radiation-induced tail damage. Hodges HD, et al. **Lab Anim Sci** 26(2 Pt 1):244, Apr 76

SURGERY

Letter: Docking dogs' tails. Smith A. **Vet Rec** 97(22):437, 29 Nov 75

TRANSPLANTATION

A comparison of the survival of H-Y incompatible ear, tail, and body skin grafts. Sena J, et al. **Transplantation** 21(5):412-6, May 76

TAKAYASU SYNDROME see under **AORTIC ARCH SYNDROMES**

TALATROL see **TROMETHAMINE**

TALC

Growth inhibition of sarcoma 180 induced by silica and talc. Kerr IB, et al. **Arch Geschwulstforsch** 45(3):255-8, 1975

The effect of an insoluble foreign body in the pathogenesis of early periodontal disease in the Syrian hamster. Miller WA, et al. **J Periodontol** 46(8):488-92, Aug 75

[Preservation of a cosmetic product. Protection of the tale powders] Selleri R, et al. **Boll Chim Farm** 113(12):617-27, Dec 74 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Treatment of malignant pleural effusion: a method using tube thoraçostomy and talc. Adler RH, et al. **Ann Thorac Surg** 22(1):8-15, Jul 76

ADVERSE EFFECTS

Studies of respiratory morbidity in rubber workers. Part IV. Respiratory morbidity in talc workers. Fine LJ, et al. **Arch Environ Health** 31(4):195-200, Jul-Aug 76

Granulomatous pneumonitis. A result of intrapleural instillation of quinacrine and talcum powder. Factor SM. **Arch Pathol** 99(9):499-502, Sep 75

Pulmonary talc embolization. Marschke G, et al. **Chest** 68(6):824-6, Dec 75

[An unusual case of talco-asbestosis] Fondimare A, et al. **Ann Anat Pathol (Paris)** 20(3):277-82, May-Jul 75 (Eng. Abstr.) **(Fre)**

[Letter: The adverse effects of talc. Pleading for a moderate verdict] Léophonte S, et al. **Nouv Presse Med** 4(30):2201, 20 Sep 75 **(Fre)**

[Pulmonary changes induced by cholesterol ingestion and inhalation of talcum powder in the rabbit] de la Higuera Torres-Puchol J, et al. **Rev Clin Esp** 140(6):543-7, 31 Mar 76 (Eng. Abstr.) **(Spa)**

ANALYSIS

Characterization of talc and associated minerals. Hamer DH, et al. **Am Ind Hyg Assoc J** 37(5):296-304, May 76

Letters: Talc and gastric cancer. **Arch Pathol Lab® Med** 100(2):110, Feb 76

Identification and quantitation of asbestos in talc. Rohl AN, et al. **Environ Health Perspect** 9:95-109, Dec 74

Asbestos in talc. Rohl AN. **Environ Health Perspect** 9:129-32, Dec 74

ISOLATION & PURIFICATION

Identification of talc on surgeons' gloves and in tissue from starch granulomas. Henderson WJ, et al. **Br J Surg** 62(12):941-4, Dec 75

PHARMACODYNAMICS

Comparative study of mineral oil and talcum powder as lubricants for cutting of skin grafts in burns. Nomani S, et al. **JPMA** 26(4):86-8, APR 76

TALENT see under **APTITUDE**

TALIPES see **CLUBFOOT**

TALUS

Aneurysmal bone cyst of the talus. Soreff J. **Acta Orthop Scand** 47(3):358-60, Jun 76

Osteochondral fractures of the dome of the talus. Yvars MF. **Clin Orthop** (114):185-91, Jan-Feb 76

Biomechanics of the subtalar and midtarsal joints. **J Am Podiatry Assoc** 65(8):756-64, Aug 75

[Aetiology, therapeutics and prognosis of osteochondrosis dissecans of talar dome (author's transl)] Rodegerdts U. **Arch Orthop Unfallchir** 83(1):45-55, 4 Sep 75 (Eng. Abstr.) **(Ger)**

[Talonavicular arthrosis in the accident-injured foot] Schlegel KF, et al. **Beitr Orthop Traumatol** 22(2):84-7, Feb 75 **(Ger)**

[Osteochondrosis dissecans of the talus in recurring foot distortions] Zollinger H, et al. **Z Unfallmed Berufskr** 68(1):39-43, 1975 **(Ger)**

[Osteochondritis dissecans tali] Gudmundsen TE. **Tidsskr Nor Laegeforen** 96(6):358-60, 28 Feb 76 (Eng. Abstr.) **(Nor)**

[Case of cyst located in the talus (synovitis villonodularis pigmentosa endostalis)] Jakubowski S, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):223-6, 1976 (Eng. Abstr.) **(Pol)**

[Dysplasia epiphysealis hemimelica] Mitroszewska H, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):215-7, 1976 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Unusual accessory (bipartite) talus simulating fracture. A case report. Weinstein SL, et al. **J Bone Joint Surg [Am]** 57(8):1161-3, Dec 75

[Rare case of malformation of the talus] Morita S. **Arch Jpn Chir** 44(4):375-7, 1 Jul 75 **(Ger)**

ANATOMY & HISTOLOGY

African fossil tali: further multivariate morphometric studies. Lisowski FP, et al. **Am J Phys Anthropol** 45(1):5-18, Jul 76

BLOOD SUPPLY

The arterial supply of the talus. A study on the relationship to experimental talar fractures. Peterson L, et al. **Acta Orthop Scand** 46(6):1026-34, Dec 75

Avascular necrosis of the body of the talus after combined medial and lateral release of congenital clubfoot. Aplington JP, et al. **South Med J** 69(8):1037-8, Aug 76

[Proceedings: Discussion on the blood supply of the talus] Wildenauer E. **Z Orthop** 113(4):730, Aug 75

[Intra-osseous vascularization of the astragalus] Colas M, et al. **Bull Assoc Anat (Nancy)** 59(167):819-28, Dec 75 (Eng. Abstr.) **(Fre)**

[Significance of vascularization for talus necroses following fractures] Schulitz KP. **Z Orthop** 113(4):699-701, Aug 75 **(Ger)**

GROWTH & DEVELOPMENT

The relationship of the ossification centers of the talus and calcaneus to the developing bone. Harris EJ. **J Am Podiatry Assoc** 66(2):76-81, Feb 76

INJURIES

Injuries of the talus. O'Brien ET. **Am Fam Physician** 12(5):95-105, Nov 75

Fracture of the collum tali--an experimental study. Peterson L, et al. **J Biomech** 9(4):277-9, 1976

Avascular necrosis of the head of the talus without death of the body: report of an unusual case. Lieberg OU, et al. **J Trauma** 15(10):926-8, Oct 75

[Pros and contras of talectomy or arthrodesis of the talus in severe talus-fractures] Baltschew G. **Beitr Orthop Traumatol** 22(2):94-6, Feb 75 **(Ger)**

[Talonavicular arthrosis in the accident-injured foot] Schlegel KF, et al. **Beitr Orthop Traumatol** 22(2):84-7, Feb 75 **(Ger)**

[Talus fractures] Ecke H. **Hefte Unfallheilkd** (121):342-5, 1975 **(Ger)**

[Development and treatment possibilities of post-traumatic arthrosis following talacalcaneal injuries] Frischmuth R, et al. **Hefte Unfallheilkd** (121):358-62, 1975 **(Ger)**

[Injury of the fibula ligaments in childhood] Baumgartner R, et al. **Helv Chir Acta** 42(4):443-6, Sep 75 **(Ger)**

[Indications for osteosynthesis in the talus] Ledermann M, et al. **Helv Chir Acta** 42(4):437-41, Sep 75 **(Ger)**

[Fractures and dislocations of the talus, problems of therapy and results] Erlacher G, et al. **Z Orthop** 113(4):691-3, Aug 75 **(Ger)**

[Case reports on talus fractures and talus dislocations] Frischmuth R, et al. **Z Orthop** 113(4):693-6, Aug 75 **(Ger)**

[Talus injuries, early treatment and restoration] Gronert HJ. **Z Orthop** 113(4):689-90, Aug 75 **(Ger)**

[Late results following talus fractures] Herwig K, et al. **Z Orthop** 113(4):704-5, Aug 75 **(Ger)**

[Complications of talus fractures] Riedl K, et al. **Z Orthop** 113(4):696-8, Aug 75 **(Ger)**

[Post-traumatic osteochondrosis dissecans of the talus roller] Rodegerdts U. **Z Orthop** 113(4):702-4, Aug 75 **(Ger)**

[Late results after talus fractures] Herwig K, et al. **Z Unfallmed Berufskr** 68(2):82-5, 1975 **(Ger)**

[Isolated fractures of the posterior process of the talus] Reut NI. **Ortop Travmatol Protez** (8):51-2, Aug 75 **(Rus)**

PATHOLOGY

Changes in tibiotalar area of contact caused by lateral talar shift. Ramsey PL, et al. **J Bone Joint Surg [Am]** 58(3):356-7, Apr 76

PHYSIOLOGY

[Biomechanics of the talocrural joint] Zergollern J. **Lijec Vjesn** 96(5):308-9, Mar 74 **(Cro)**

PHYSIOPATHOLOGY

Disability of the hindfoot after fracture of the tibial shaft. McMaster M. **J Bone Joint Surg [Br]** 58(1):90-3, Feb 76

RADIOGRAPHY

Lesions of the trochlea tali. Osteochondral fractures and osteochondritis dissecans of the trochlea tali. Blom JM, et al. **Radiol Clin (Basel)** 44(5):387-96, 1975

[A case of sarcoma of the talus giving the radiographic appearance of a 'cyst' (author's transl)] Chen V, et al. **Z Orthop** 113(6):1027-31, Dec 75 (Eng. Abstr.) **(Ger)**

SURGERY

Talectomy in the treatment of the myelomeningocele patient. Sherk HH, et al. **Clin Orthop** (110):218–22, Jul–Aug 75

Talectomy for osteomyelitis of the talus. pp. 168–78. Jackson AW, et al.
In: Bateman JE, ed. Foot science. Philadelphia, Saunders, 1976. WE 880 A511f 1974.

Talectomy. pp. 162–7. Kilfoyle RM, et al.
In: Bateman JE, ed. Foot science. Philadelphia, Saunders, 1976. WE 880 A511f 1974.

Naviculectomy of congenital vertical talus. pp. 26–39. Robbins H.
In: Bateman JE, ed. Foot science. Philadelphia, Saunders, 1976. WE 880 A511f 1974.

Batchelor's extra-articular subtalar arthrodesis. A report on sixty-four procedures in patients with poliomyelitic deformities. Hsu LC, et al. **J Bone Joint Surg [Am]** 58(2):243–7, Mar 76

[Technic of talocrural arthrodesis in post-traumatic ankle joint arthroses] Seyfarth H. **Beitr Orthop Traumatol** 22(2):80–2, Feb 75 **(Ger)**

[Experiences with talocrural arthrodesis of the injuried ankle joint] Siegling CW. **Beitr Orthop Traumatol** 22(2):82–4, Feb 75 **(Ger)**

[Indication and technic of arthrodesis of the transverse tarsal joint] Hierholzer G. **Hefte Unfallheilkd** (121):346–50, 1975 **(Ger)**

[Excision of the talus in the treatment of severe ischemic deformities of the foot (author's transl)] Imhäuser G. **Unfallheilkunde** 79(9):385–8, Sep 76 (Eng. Abstr.) **(Ger)**

[Indication for subtalar arthrodesis] Holz U. **Z Orthop** 113(4):681–4, Aug 75 **(Ger)**

[Supplying patients with orthopedic shoes after panastragal arthrodesis] Endre B, et al. **Magy Traumatol Orthop** 18(3):215–8, 1975 **(Hun)**

[Results of panastragal arthrodesis performed on basis of different indications] György B, et al.
Magy Traumatol Orthop 18(3):185–8, 1975 **(Hun)**

[The resection-arthrodesis operation on the mediotarsal and subastragalic joints] Pipino F, et al. **Chir Organi Mov** 62(2):123–39, 1975 (Eng. Abstr.) **(Ita)**

[Luxatio pedis subtalo] Vračević DB. **Acta Chir Iugosl** 23(1):69–73, 1976 (Eng. Abstr.) **(Ser)**

TALWIN see **PENTAZOCINE**

TAMOXIFEN see under **STILBENES**

TAMPONS

The use of tampons for identifying asymptomatic N. gonorrhoeae infections. Haughie GE, et al.
J Am Vener Dis Assoc 2(2):26–8, Dec 75

Experiences with the Linton-Nachlas and the Sengstaken-Blakemore tubes for bleeding esophageal varices. Burcharth F, et al. **Surg Gynecol Obstet** 142(4):529–31, Apr 76

[Air balloon tamponade in certain operations on the anus and in preternatural anus] Temelkov T, et al.
Khirurgiia (Sofiia) 29(2):176–7, 1976 **(Bul)**

[Apparatus for perparations of wire tampons (author's transl)] Polc J, et al. **Cesk Epidemiol Mikrobiol Imunol** 25(2):113–5, May 76 **(Cze)**

[Our experiences with a disposable polyurethane tampon] Balák K. **Cesk Gynekol** 40(6):446–7, Jul 75 **(Cze)**

[Significance of uterine tamponade in contemporary obstetrics (author's transl)] Kohoutek M. **Cesk Gynekol** 41(2):88–9, Apr 76 **(Cze)**

[Vaginal Tampons] **Ned Tijdschr Geneeskd** 119(42):1631–2, 18 Oct 75 **(Dut)**

[Letter: Vaginal tampons] Schüchner R.
Ned Tijdschr Geneeskd 119(47):1865, 22 Nov 75 **(Dut)**

[Technical improvement of oro-pharyngeal packing] Recoing JM, et al. **Rev Stomatol Chir Maxillofac** 76(7):575–7, Nov 75 (Eng. Abstr.) **(Fre)**

[Pneumatic tampon for keeping open the nasal passage window following surgery of the maxillary sinus] Lindorf HH. **Dtsch Zahnaerztl Z** 30(8):560, Aug 75 **(Ger)**

[The use of synthetic foam postnasal packing (author's transl)] Brusis T. **HNO** 23(8):255–6, Aug 75 (Eng. Abstr.) **(Ger)**

[A new pneumatic nasal tamponade (author's transl)] Masing H. **HNO** 24(7):245–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Leaving behind forgotten cotton swabs and compresses during osteosynthesis] Perret W. **Unfallheilkunde** 79(3):121–2, Mar 76 **(Ger)**

[25 years without reactions to a grown-in laparitimy gauze] Meissner VK, et al. **Zentralbl Gynaekol** 98(5):305–6, 1976 (Eng. Abstr.) **(Ger)**

[Use of drains in the anterior tamponade of the nose] Zakrzewski J, et al. **Wiad Lek** 28(19):1639–41, 1 Oct 75 (Eng. Abstr.) **(Pol)**

[Use of biological antiseptic tampon (BAT) for treatment of infected wounds and fistulas after abdominal surgery] Rebeko VIa. **Vestn Khir** 116(4):22–4, Apr 76 (Eng. Abstr.) **(Rus)**

[Technic for tamponade of the nasal cavity] Kovalev PV. **Voen Med Zh** (9):79, Sep 75 **(Rus)**

TANDEARIL see **OXYPHENBUTAZONE**

TANNIC ACID see under **TANNINS**

TANNING

Sulfide reduction in fellmongery effluent by red sulfur bacteria. Cooper DE, et al. **J Water Pollut Control Fed** 47(8):2088–100, Aug 75

TANNINS

Galloylglucoses of low molecular weight as mordant in electron microscopy. I. Procedure, and evidence for mordanting effect. Simionescu N, et al. **J Cell Biol** 70(3):608–21, Sep 76

An improved electron stain for elastic fibers using tannic acid. Kajikawa K, et al. **J Electron Microsc (Tokyo)** 24(4):287–9, 1975

The use of tannic acid–glutaraldehyde in the study of elastic and elastic-related fibers. Cotta-Pereira G, et al.
Stain Technol 51(1):7–11, Jan 76

[A study on the tannin-iron method histochemical specificity (author's transl)] Garcia-Segura LM, et al.
Ann Histochim 20(3):153–8, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[Molecular aspects of the interaction of albumin and tannined erythrocytes in the process of hemosensitization. II. The effect of temperature] Tsarevskii IuP, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):99–103, May 75 (Eng. Abstr.) **(Rus)**

[Galascorbine structure, studied by nuclear magnetic resonance] Karaseva TA, et al. **Ukr Biokhim Zh** 47(4):514–7, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

[Isolated case of general argyrosis after long-term administration of targesine nasal drops] Voldřich Z, et al. **Cesk Otolaryngol** 24(6):374–6, Dec 75 (Eng. Abstr.) **(Cze)**

ANALYSIS

Letter: The tannin and oxalic acid content of Acacia aneura (Mulga) and their possible effects on sulphur and calcium availability. Gartner RJ, et al. **Aust Vet J** 52(4):194–6, Apr 76

A survey of the plants of Orissa (India) for tannins, saponins, flavonoids and alkaloids. Saxena HO. **Lloydia** 38(4):346–51, Jul–Aug 75

Vanillin-hydrochloric acid as a histochemical test for tannin. Gardner RO. **Stain Technol** 50(5):315–7, Sep 75

Differential staining of tannin in sections of epoxy-embedded plant cells. Parham RA, et al. **Stain Technol** 51(4):237–40, Jul 76

[Determination of tannins with casein (author's transl)] Schneider G. **Arch Pharm (Weinheim)** 309(1):38–44, Jan 76 (Eng. Abstr.) **(Ger)**

[Consitutents of Geranium thunbergii Sieb. et Zucc. II. Ellagitannins. (1) (author's transl)] Okuda T, et al.
J Pharm Soc Jpn 95(12):1462–6, Dec 75 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Tannic acid as an electron-dense probe in the testis. Aoki A, et al. **Am J Anat** 146(4):449–53, Aug 76

Scanning electron microscopy of tannin–osmium treated and resin-embedded specimens. A demonstration of transmural passage of blood cells in the bone marrow. Murakami T.
Arch Histol Jpn 38(3):229–35, Oct 75

[Double contrast barium enema in the adult, using tannin (author's transl)] Clot M, et al.
J Radiol Electrol Med Nucl 56(4):351–3, Apr 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Molecular parameters of the sensitization of tannined erythrocytes with human IgG] Shamardin VA, et al.
Zh Mikrobiol Epidemiol Immunobiol (6):78–82, Jun 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Condensed tannins in grain sorghum: isolation, fractionation, and characterization. Strumeyer DH, et al.
J Agric Food Chem 23(5):909–14, Sep–Oct 75

Identification of carcinogenic tannin isolated from Bracken fern (Pteridium aquilinum). Wang CY, et al.
J Natl Cancer Inst 56(1):33–6, Jan 76

Complex ellagitannins from Tellima grandiflora. Wilkins CK, et al. **Planta Med** 30(1):72–4, Aug 76

[Comparative study of different extraction methods and assays of tannins in some pteridophytes] Laurent S.
Arch Int Physiol Biochim 83(4):735–52, Oct 75 (Eng. Abstr.) **(Fre)**

[The occurrence of flavonoids and tannins in the leaves of some African acacia species] Thieme H, et al.
Pharmazie 29(11):736–43, 1975 **(Ger)**

[New investigations on the tannin of Hamamelis. III. Comparison of different species and seasonal variations (author's transl)] Friedrich H, et al. **Planta Med** 26(4):333–7, Dec 74 (Eng. Abstr.) **(Ger)**

[New investigations on the tannin of Hamamelis. II. The tannin of the leaves of H. virginiana (author's transl)] Friedrich H, et al. **Planta Med** 26(4):326–32, Dec 74 (Eng. Abstr.) **(Ger)**

['Tannins' and derivatives of hydroxycinnamic acid in labiatae (author's transl)] Litvinenko VI, et al.
Planta Med 27(4):372–80, Jun 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Microbial degradation of condensed tannins. Grant WD.
Science 193(4258):1137–9, 17 Sep 76

[Interaction of yeasts with tannins. II. Study of various yeasts hydrolysing tannic acid in tannin culture media] Jacob FH, et al. **Mycopathologia** 57(3):139–48, 31 Dec 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Repulsion of bacteria from marine surfaces. Chet I, et al.
Appl Microbiol 30(6):1043–5, Dec 75

Passive hemagglutination reaction test using formalinized sheep erythrocytes treated with tannic acid and coated with proteast or elastase of Pseudomonas aeruginosa. Homma JY, et al. **Jpn J Exp Med** 45(5):361–5, Oct 75

The action and interaction of three alimentary substances (ethanol, tannic acid and sodium sulfite) on the activity of the ATPases in enterocyte brush borders. Lacombe C, et al. **Life Sci** 18(11):1245–53, 1 Jun 76

[Increase in fecal metabolic nitrogen in rats following ingestion of a diet containing tannic acid] Mitjavila S, et al. **Ann Nutr Aliment** 28(3):189–98, 1974 (Eng. Abstr.) **(Fre)**

[Effect of tannic acid on liver levels of vitamin A in rats maintained on balanced diets or deprived of this vitamin] Suschetet M. **C R Soc Biol (Paris)** 169(4):970–3, 1975 (Eng. Abstr.) **(Fre)**

[Effects of tannic acid and potassium metabisulfite in combination with ethanol on some enzymatic detoxication activities of rat liver microsomes] Gaillard D, et al.
Food Cosmet Toxicol 14(2):123–7, Apr 76 (Eng. Abstr.) **(Fre)**

[Effect of prolonged ingestion of tannic acid, potassium metabisulfite and ethanol, administered alone or in combination, on the liver vitamin A concentration in the rat] Suschetet M. **Int J Vitam Nutr Res** 45(2):129–37, 1975 (Eng. Abstr.) **(Fre)**

[The influence of tannic acid on catalase activity on soil samples (author's transl)] Gnittke J, et al.
Zentralbl Bakteriol [Naturwiss] 130(1):37–40, 1975 **(Ger)**

[Some patterns in the formation and breakdown of tannin–protein complexes] Iavich PA, et al. **Farmatsiia** 24(2):20–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Stimulating properties of imanin and novoimanin] Derbentseva NA, et al. **Mikrobiol Zh** 36(5):630–3, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

[Effect of vegetable polyphenols on the level of glycogen in the tissues and glucose in the blood of starving rabbits] Shamraĭ EF, et al. **Ukr Biokhim Zh** 47(1):107–9, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

[Influence of galascorbin on the levels of potassium and sodium in the organs and tissues of guinea pigs in burn disease] Hude ZZh, et al. **Ukr Biokhim Zh** 47(1):110–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

TANTALUM

The use of tantalum clips in general surgery. Kylberg F.
Acta Chir Scand 141(3):242–4, 1975

Determination of copper and iron in microliter samples by flame atomic emission spectrometry with a tantalum filament vaporizer. McCullough MR, et al. **Anal Chem** 48(7):1006–8, Jun 76

Measurement of midwall myocardial dynamics in intact man by radiography of surgically implanted markers. Ingels NB Jr, et al. **Circulation** 52(5):859–67, Nov 75

The stability of tantalum–pentoxide films in vivo. Donaldson PE. **Med Biol Eng** 12(1):131–5, Jan 74

ADVERSE EFFECTS

Inhalation experiments with tantalum oxide dust. Nemetschek-Gansler H, et al. **Pneumonologie** 152(4):299–309, 14 Nov 75

DIAGNOSTIC USE

Non-contractile movement of tantalum powder in the canine rectum. Margulis AR, et al.
Am J Roentgenol Radium Ther Nucl Med 125(1):244–50, Sep 75

Airway visualization by tantalum inhalation bronchography. Smith JC, et al. **Am Rev Respir Dis** 113(4):515–29, Apr 76

Delayed clearance of tantalum by radiologically occult cancer. Stitik FP, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):589–95, Sep–Oct 75

Tantalum angiography—a new radiographic technique for the study of the microcirculation. Taylor GA, et al.
Bibl Anat 13:326–8, 1975

The value of tantalum powder as a contrast medium in laryngography. pp. 249–53. Tegtmeyer CJ, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Characteristics of tantalum dust and dust generator for bronchography. Weyel DA, et al. **Invest Radiol** 10(5):500–10, Sep–Oct 75

Blood clots labeled with powdered tantalum for experimental pulmonary emboli. Peirce EC 2d, et al.

J Maine Med Assoc 67(4):105–7, Apr 76
[10 approximately 15 fold magnification bronchography using powdered tantalum (author's transl)] Kubota T.
Respir Circ (Tokyo) 23(11):993–8, Nov 75 (Jpn)
[Contrast tantalum laryngography] Zlatanov ZD.
Vestn Otorinolaringol (6):95–7, Nov–Dec 75 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Synchrony of division in mass cultures of Paramecium tetraurelia by a selective density-labelling technique. Aufderheide K. Genet Res 27(2):171–7, Apr 76

TAPAZOLE see METHIMAZOLE

TAPE RECORDING

Hold the hardware: the use and abuse of tapes in clinical teaching and learning. Cooper S. Am J Orthopsychiatry 45(4):573–9, Jul 75
A comparison of process notes and tape recordings. Implications for therapy research. Wolfson A, et al. Arch Gen Psychiatry 33(5):558–63, May 76
Cardiac monitoring during exercise tests in the horse. I. Magnetic tape recording in preference to radio-telemetry. Hall MC, et al. Aust Vet J 51(12):547–53, Dec 75
Implosion therapy by tape-recording. Orenstein H, et al. Behav Res Ther 13(2–3):177–82, Jun 75
A system for rapid analysis of long-term recordings of heart rate and other physiological parameters. Smith WS, et al. Biomed Eng 11(4):128–31, Apr 76
A method for amplitude/frequency analysis of high fidelity electromagnetic tape recording of the electrocardiogram. Lategola MT, et al. Biomed Tech (Stuttg) 20(6):219–24, Dec 75
Proceedings: Recording of biopotentials by a commercial tape recorder. Mladonický P.
Electroencephalogr Clin Neurophysiol 39(5):547, Nov 75
Indications and techniques for ambulatory electrocardiogram monitoring. Schroeder JS, et al. Heart Lung 4(4):540–5, Jul–Aug 75
Aural history and dermatology. Witten VH.
Int J Dermatol 14(6):427–8, Jul–Aug 75
Closing the health information gap in a university student community by telephone access to taped health messages. Bartlett MH, et al. J Am Coll Health Assoc 24(5):301–6, Jun 76
Automated desensitization for the clinical treatment of speech anxiety. McManus M, et al. J Am Coll Health Assoc 24(4):218–20, Apr 76
Identifying specific erotic cues in sexual deviations by audiotaped descriptions. Abel GG, et al.
J Appl Behav Anal 8(3):247–60, Fall 75
Letter: Comment on the Morris and Suckerman study of therapist warmth as a factor in automated systematic desensitization. McGlynn FD. J Consult Clin Psychol 44(3):483–9, Jun 76
A low cost ECG cassette tape library. Uhley HN.
J Electrocardiol 9(2):191–2, Apr 76
Letter: Improving preventive pediatric care and office efficiency by way of tape-recorded messages. Crowder CG. J Pediatr 87(4):662–3, Oct 75
Letter: Taping preoperative explanations. Priviteri CA.
JAMA 235(26):2815, 28 Jun 76
A b.c.d. encoder for the indexing of analogue tape recordings. Preston TD. Med Biol Eng 12(4):546–8, Jul 74
Direct tape access as an adjunct to learning. White LD, et al. Nurs Res 24(4):295–8, Jul–Aug 75
Use of a tape-recorder to enhance physician-mother communication in the newborn period. Zlotnick DA.
Pediatrics 57(5):799–800, May 76
Validating the content of pediatric outpatient medical records by means of tape-recording doctor-patient encounters. Zuckerman ZE, et al. Pediatrics 56(3):407–11, Sep 75
Mathematics and slow learners. Berrill R.
Spec Educ Forward Trends 2(2):17–9, Jun 75
[Sequential numerator for graphic and magnetic recorders] Pernier J, et al. Med Biol Eng 13(2):294–9, Mar 75 (Fre)
[The significance of ECG tape-recording and trend analysis in diagnosis and therapy of heart rhythm disorders] Freyland MD, et al. Med Welt 26(27–28):1316–8, 11 Jul 75 (Ger)
[Experiences with a portable tape-recording ECG instrument in clinical cardiology] Wilde A, et al. Med Welt 26(17):810–6, 25 Apr 75 (Ger)
[Portable ECG tape recorder in clinical practice] Johansson BW. Lakartidningen 73(15):1423–7, 7 Apr 76 (Eng. Abstr.) (Swe)

INSTRUMENTATION

An inexpensive means of indexing magnetic tape for the computer processing of analogue physiological records. Tavner PJ, et al. Med Biol Eng 12(6):850–6, Nov 74
Time code generator and event marker for correlating chart and magnetic tape records. Young RA. Med Biol Eng 12(6):857–8, Nov 74
[The adaptation of an 8-channel electroencephalograph to the EMM 140 tape recorder] Cammann R, et al.
Z Med Labortech 16(6):322–5, 1975 (Eng. Abstr.) (Ger)

METHODS

Inexpensive tape cassette logging of data: bioengineering applications with minicomputers. Bungay HR.
Biotechnol Bioeng 18(5):741–3, May 76
Recording of selfmeasurements or automatically collected data for health assessments. pp. 731–2. Jones DA, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.
Low-frequency phase distortion of speech recordings. Holmes JN. J Acoust Soc Am 58(3):747–9, Sep 75
Phantom sync-pulsing of audio tapes. Hansell P.
Med Biol Illus 24(2):93–4, May 74
Some aspects of medical cinematography. Master cutting and commentary recording. Johns M, et al. Med Biol Illus 24(2):63–70, May 74

TAPEWORM INFECTION see CESTODE INFECTIONS

TAPEWORMS see CESTODA

TARACTAN see CHLORPROTHIXENE

TARICHATOXIN see TETRODOTOXIN

TARPAN see under DIBENZAZEPINES

TARS

Low-tar medium-nicotine cigarettes: a new approach to safer smoking. Russell MA. Br Med J 1(6023):1430–3, 12 Jun 76
Letter: Classification of cigarettes. Wyatt T. Br Med J 2(6032):420, 14 Aug 76

ADVERSE EFFECTS

Tumor-promoting activity of cigarette tar in rat skin exposed to irradiation. McGregor JF. J Natl Cancer Inst 56(2):429–30, Feb 76
[Urinary tract carcinomas in gas industry employees (author's transl)] Manz A. Munch Med Wochenschr 118(3):65–8, 16 Jan 76 (Eng. Abstr.) (Ger)
[Sanitary and hygienic evaluation of new lubricating coolant fluids to replace sulfofrezol in cold metal cutting] Medved' RA, et al. Gig Tr Prof Zabol (6):1–5, Jun 76 (Eng. Abstr.) (Rus)

ANALYSIS

Editorial: Tar content of Australian cigarettes.
Med J Aust 1(13):422, 27 Mar 76
[Thermic characteristics of selected flying dusts and composition of their tar substances] Mašek V.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl 26(2):33–7, Feb 76 (Ger)
[Studies on active principles of tar. IV. Antifungal constituents in egg tar (author's transl)] Tsuji K.
J Pharm Soc Jpn 96(4):475–8, Apr 76 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Significance of positive patch tests to wood tars. Van Andel P, et al. Trans St Johns Hosp Dermatol Soc 60(1):94–8, 1974

PHARMACODYNAMICS

Reactions to cigarettes as a function of nicotine and 'tar'. Goldfarb T, et al. Clin Pharmacol Ther 19(6):767–72, Jun 76

POISONING

Polycyclic aromatic hydrocarbons in mineral oil, tar, and pitch, excluding petroleum pitch. Kipling MD, et al.
Prev Med 5(2):262–78, Jun 76

THERAPEUTIC USE

A comparison of tar liquid and cetrimide shampoo in the management of psoriasis of the scalp. Cunliffe WJ, et al.
Br J Clin Pract 28(9):314–5, Sep 74
Evaluation of dithranol and a 'synthetic tar' as anti-psoriatic treatments using the mouse tail test. Wrench R, et al.
Br J Dermatol 93(1):75–8, Jul 75

TARSAL BONES

Carpal and tarsal osteolysis. Beals RK, et al.
Birth Defects 11(6):107–12, 1975
Correlation conferences in radiology and pathology: Lytic tarsal lesion. NY State J Med 76(6):900–3, Jun 76
Bone abscess due to Mycobacterium xenopi. Marks J, et al.
Tubercle 56(2):157–9, Jun 75
[2 cases of osteoid osteoma of the tarsus] Denis A.
Rev Rhum Mal Osteoartic 43(4):305–6, Apr 76 (Fre)

ABNORMALITIES

[Discussion remark to the paper by J. Steinhäuser: 'Additional observations of ball-shaped ankle joints in congenital synostoses of tarsal bones', Z. Orthop. 112 (1974 433] Henssge J. Z Orthop 113(3):426–7, Jun 75 (Ger)
[Comment on the discussion remark by J. Henssge to the paper by J. Steinhäuser: 'Additional observations of ball-shaped ankle joints in congenital synostoses of tarsal bones', Z. Orthop 112 (1974) 443] Steinhäuser J, et al.
Z Orthop 113(3):427–8, Jun 75 (Ger)

ANATOMY & HISTOLOGY

Identification of sex from tarsal bones. Singh S, et al.
Acta Anat (Basel) 93(4):568–73, 1975

INJURIES

Dislocation of the medial cuneiform bone in tarsometatarsal fracture-dislocation. A case report. Brown DC, et al.
J Bone Joint Surg [Am] 57(6):858–9, Sep 75
Vertical fracture dislocation of the tarsal navicular. Nadeau P, et al. J Trauma 16(08):669–71, Aug 76
[An isolated dislocation of the IInd cuneiform bone (author's transl)] Dýšek M. Acta Chir Orthop Traumatol Cech 42(4):390–2, Aug 75 (Eng. Abstr.) (Cze)
[Chopart's arthrodesis in traumatic changes of the tarsal region] Goymann V. Z Orthop 113(4):715–7, Aug 75 (Ger)
[Long-term follow-up of 21 navicular bone fractures] Henssge J, et al. Z Orthop 113(4):713–4, Aug 75 (Ger)
[Dislocation fractures of Lisfranc's joint and their treatment] Steinhüser J. Z Orthop 113(4):720–2, Aug 75 (Ger)
[Injuries of the distal tarsal bones] Talke M, et al.
Z Orthop 113(4):718–20, Aug 75 (Ger)

TARSAL JOINT

[Intra-articular comminuted fractures in the articulus talocruralis in horses] Schebitz H, et al.
Berl Munch Tieraerztl Wochenschr 88(16):309–17, 15 Aug 75 (Eng. Abstr.) (Ger)
[Malignant synovialoma] Basso L, et al.
Arch E Maragliano Patol Clin 30(2):283–9, Jul–Dec 74 (Ita)
[Tendovaginitis in the region of the tarsal joint in productive bulls] Berezovskii AV. Veterinariia (12):96–7, Dec 75 (Rus)

ANATOMY & HISTOLOGY

The evolutionary and phylogenetic development of the lower extremity in man. Tax HR. J Am Podiatry Assoc 66(6):363–71, Jun 76

INJURIES

Dislocation of the medial cuneiform bone in tarsometatarsal fracture-dislocation. A case report. Brown DC, et al.
J Bone Joint Surg [Am] 57(6):858–9, Sep 75
Intertarsal and tarso-metatarsal subluxation in the dog. Campbell JR, et al. J Small Anim Pract 17(7):427–42, Jul 76
Dislocation of the talonavicular joint: case report. Ross PM, et al. J Trauma 16(5):397–401, May 76
Lisfranc's tarsometatarsal fracture-dislocation. Foster SC, et al. Radiology 120(1):79–83, Jul 76
[Injuries of Lisfranc's joint: severe sprains, dislocations, fractures. Study of 39 personal cases and biomechanical classification] Bonnel F, et al. J Chir (Paris) 111(5–6):573–92, May–Jun 76 (Eng. Abstr.) (Fre)
[Post-traumatic arthroses of the ankle and foot joints. Therapeutic possibilities] Weber BG.
Z Unfallmed Berufskr 68(2):80–1, 1975 (Ger)

PHYSIOLOGY

Biomechanics of the subtalar and midtarsal joints.
J Am Podiatry Assoc 65(8):756–64, Aug 75
[Kinematic and kinetic motion analysis of the knee and foot joints in horizontal gait in healthy children] Marciniak W.
Chir Narzadow Ruchu Ortop Pol 41(2):175–84, 1976 (Eng. Abstr.) (Pol)

RADIOGRAPHY

The radiology of the subtalar joint with special reference to talo-calcaneal coalition. Beckly DE, et al.
Clin Radiol 26(3):333–41, Jul 75
Peroneal spastic flatfoot syndrome. Johnson JC.
South Med J 69(6):807–9, Jun 76

SURGERY

Hallux limitus: a case report. Ketai NH, et al.
J Am Podiatry Assoc 66(6):413–6, Jun 76
[Indication and technic of arthrodesis of the transverse tarsal joint] Hierholzer G. Hefte Unfallheilkd (121):346–50, 1975 (Ger)
[Treatment of post-traumatic arthroses of the transverse tarsal joint using arthrodesis] Hort W, et al.
Hefte Unfallheilkd (121):355–8, 1975 (Ger)
[The resection-arthrodesis operation on the mediotarsal and subastragalic joints] Pipino F, et al. Chir Organi Mov 62(2):123–39, 1975 (Eng. Abstr.) (Ita)
[Method of compression arthrodesis of the ankle and foot joints] Gudushauri ON, et al. Vestn Khir 116(3):54–7, Mar 76 (Eng. Abstr.) (Rus)
[Stiff operation on the wrong patient] Lakartidningen 73(14):1327, 31 Mar 76 (Swe)

TARSAL TUNNEL SYNDROME

Tarsal tunnel syndrome. Kuritz HM, et al.
J Am Podiatry Assoc 65(8):825–40, Aug 75

DIAGNOSIS

[Letter: Simple exploration of the muscles innervated by the S1 root by the 'paper sign'] Benaim LJ, et al.

Nouv Presse Med 5(3):146, 17 Jan 76 **(Fre)**
[The tarsal tunnel syndrome (author's transl)] Mosimann W. **Ther Umsch** 32(7):428–34, Jul 75 (Eng. Abstr.) **(Ger)**

SURGERY

[Tarsal tunnel syndrome and trauma. Case reports on the etiology and therapy] Finkbeiner G, et al. **Monatsschr Unfallheilkd** 78(6):269–74, Jun 75 (Eng. Abstr.) **(Ger)**

TARSUS, ANIMAL see under **HINDLIMB**

TARTRATES

Anion-induced increases in the rate of colchicine binding to tubulin. Bhattacharyya B, et al. **Biochemistry** 15(11):2283–8, 1 Jun 76
Resolution of esters of phenylglycine with (+)-tartaric acid. Clark JC, et al. **J Chem Soc [Perkin I]** (5):471–4, 1976
A new asymmetric transformation of alpha-amino-acid esters with (+)-tartaric acid. Clark JC, et al. **J Chem Soc [Perkin I]** (5):475–81, 1976
[Reactions of tartaric acid with resorcinol (author's transl)] Auterhoff H, et al. **Arch Pharm (Weinheim)** 309(5):409–13, 1976 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

In vivo performance of liquid membrane capsules. Asher WJ, et al. **Trans Am Soc Artif Intern Organs** 22:605–11, 1976

PHARMACODYNAMICS

Unidirectional inhibition and activation of 'malic' enzyme of Solanum tuberosum by meso-tartrate. Do Nascimento KH, et al. **Biochem J** 149(2):349–55, Aug 75
[Clinical studies on the short term use of 'Kavosan'] Heide EB, et al. **Dtsch Zahnaerztl Z** 30(11):749–53, Nov 75 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Editorial: Lisidonil (hydramitrazine) in treatment of unchecked neurogenic urinary bladder] Jensen D. **Tidsskr Nor Laegeforen** 95(33):1930–2, 30 Nov 75 **(Nor)**

TARTRONATES

PHARMACODYNAMICS

Inhibition of glycolytic enzymes by 2-phosphotartronate. Thomas MK, et al. **Biochem J** 153(3):741–4, 1 Mar 76

TASK PERFORMANCE AND ANALYSIS

A comparison of attentional and control shift models of the performance of concurrent tasks. Briggs GG. **Acta Psychol (Amst)** 39(3):183–91, Jun 75
Generalized and lateralized effects of concurrent verbal rehearsal upon performance of sequential movements of the fingers by the left and right hands. Hicks RE, et al. **Acta Psychol (Amst)** 39(2):119–30, Apr 75
Rhythm and motor ability in developmentally disabled boys. Liemohn W. **Am Correct Ther J** 30(1):12–4, Jan–Feb 76
A sequential contact system for determining time and events in movement analysis. Windell EJ, et al. **Am Correct Ther J** 29(4):134–7, Jul–Aug 75
Job analysis in the clinical laboratory. Reynolds SD, et al. **Am J Med Technol** 42(5):166–71, May 76 Casanova JS, et al. **Am J Occup Ther** 30(2):101–5, Feb 76
Analysis of tasks and human factors in anesthesia for coronary-artery bypass. Kennedy PJ, et al. **Anesth Analg (Cleve)** 55(3):374–7, May–Jun 76
Eye-tracking performance and engagement of attention. Shagass C, et al. **Arch Gen Psychiatry** 33(1):121–5, Jan 76
Community health centre evaluation. Paper 1: Working patterns of allied health professionals. Moran LJ, et al. **Aust Fam Physician** 5(2):232–46, Mar 76
Human and nonhuman operators in manual control systems. Bachman JA, et al. **Aviat Space Environ Med** 47(6):612–7, Jun 76
Heat and simulated high altitude: effects on biochemical indices of stress and performance. Francesconi RP, et al. **Aviat Space Environ Med** 47(5):548–52, May 76
Simulated flying performance after marihuana intoxication. Janowsky DS, et al. **Aviat Space Environ Med** 47(2):124–8, Feb 76
Effects of perceptual salience on the matrix task performance of four- and six-year-old children. Odom RD, et al. **Child Dev** 46(3):758–62, Sep 75
Interaction of noise with alcohol on a task of sustained attention. Colquhoun WP, et al. **Ergonomics** 18(1):81–7, Jan 75
The mechanical disturbance produced by steady and gusty winds of moderate strength: skilled performance and semantic assessments. Poulton EC, et al. **Ergonomics** 18(6):651–73, Nov 75
Consistency of information processing on visual and auditory, prothetic and metathetic tasks. Woodward DL, et al. **Ergonomics** 19(2):131–40, Mar 76
Peripheral detection and central task complexity. Bartz AE. **Hum Factors** 18(1):63–70, Feb 76
Measures of attention as predictors of flight performance. North RA, et al. **Hum Factors** 18(1):1–13, Feb 76
Management consultants--an alternative solution? PP. 69–75. Crawford LE.
In: Grant C, ed. Australian hospitals - problems and solutions. Vol 2. Kensington, Univ of New South Wales, 1975. W1 AU697 no.26-27 1975.
Measuring and achieving improved productivity. p. 1. Williams CJ.
In: Grant C, ed. Australian hospitals - problems and solutions. Vol 2. Kensington, Univ of New South Wales, 1975. W1 AU697 no.26-27 1975.
Faculty activity analysis and program planning. pp. 184–97. Kutina KL.
In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.
Behavioral responses of aphasic adults to aural requests. pp. 41–6. Black JW, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
Mental performance during slight cool or warm discomfort. pp. A511–8. Langkilde G, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.
The effects of ambient temperature swings on comfort, performance and behaviour. pp. A441–58. Wyon DP, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.
Effects of acute and chronic marijuana on complex operant performance by the squirrel monkey. pp. 169–80. Adams PM, et al.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.
Influence of ethyl alcohol in moderate levels on visual stimulus tracking. pp. 105–13. Dott AB.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.
delta9-Tetrahydrocannabinol and delayed matching-to-sample in chimpanzees. pp. 181–207. Ferraro DP, et al.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.
Neurophysiological and behavioral consequences of chronic nicotine treatment. pp. 375–86. Nelsen JM.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.
Activity sampling in nursing. Howarth MH. **Int J Nurs Stud** 13(1):47–53, 1976
Comparison of the effects of two handpiece locations on dental team performance. Kwasman R, et al. **J Am Dent Assoc** 91(6):1203–9, Dec 75
Task analysis of a pedodontic procedure. Mast TA, et al. **J Dent Educ** 39(11):725–7, Nov 75
The effects of divided attention on information processing in manual tracking. Wickens CD. **J Exp Psychol [Hum Percept]** 2(1):1–13, Feb 76
The effects of a demanding curriculum on student allocation of time. Davis WK, et al. **J Med Educ** 51(6):506–7, Jun 76
A management model to survey and analyze house staff effort. Stefanu C, et al. **J Med Educ** 51(1):50–2, Jan 76
Self-observation in general practice--the bleep method. Floyd CB, et al. **J R Coll Gen Pract** 25(155):425–31, Jun 75
Model for placement--job laboratory approach. Mallik K, et al. **J Rehabil** 41(6):14–20, 41, Nov–Dec 75
What does the intern do? Arthurson J, et al. **Med J Aust** 1(3):63–5, 17 Jan 76
Task analysis of the clinically trained nurse (C.T.N.) Hazlett CB. **Nurs Clin North Am** 10(4):699–709, Dec 75
Measurement of Nursing Work Load Using Head Nurses' Perceptions. Trivedi VM, et al. **Nurs Res** 24(5):371–6, Sep–Oct 75
The Aberdeen formula. Crompton HM, et al. **Nurs Times** 72(35):suppl:125–8, 2 Sep 76
An analysis of work patterns in community nursing. Wilkes JS, et al. **Nurs Times** 72(5):suppl:17–8 concl, 5 Feb 76
An analysis of work patterns in community nursing. Wilkes JS, et al. **Nurs Times** 72(4):suppl:13–6 contd, 29 Jan 76
Medex: a time-motion study. Sells CJ, et al. **Pediatrics** 56(2):255–61, Aug 75
An audiovisual test of divided attention. Bach MJ, et al. **Percept Mot Skills** 43(1):51–7, Aug 76
SAM Complex Coordinator and Multidimensional Pursuit Test: annotated bibliographies. Benel RA. **Percept Mot Skills** 42(1):327–38, Feb 76
Training and performance of rhesus monkeys as operators in a compensatory manual control system. Newsom TJ, et al. **Percept Mot Skills** 42(3):695–705, Jun 76
Effects of exercise, bedrest and napping on performance decrement during 40 hours. Lubin A, et al. **Psychophysiology** 13(4):334–9, Jul 76
District community physician - activity analysis. Murphy FW. **Public Health** 89(6):261–2, Sep 75
Tasks analysis in teaching radiography: is there a need for it? Smith N. **Radiography** 42(496):85–7, Apr 76
Comparison of significance tests for repeated measures ANOVA design. Stamm CL, et al. **Res Q Am Assoc Health Phys Educ** 46(4):403–9, Dec 75
Ergonomic studies of standardized domestic work in patients with neuromuscular handicap. Bjurö T, et al. **Scand J Rehabil Med** 7(3):106–13, 1975
[Productive and non-productive times in operative dentistry] Cechová L. **Cesk Stomatol** 76(3):197–9, Jun 76 (Eng. Abstr.) **(Cze)**
[Performances in heat in supersonic transport aircraft] pp. A467–90. Colin J, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. **(Fre)**
[Influence of various tasks on activation and self-evaluation in a test with equal psychomotor performance] Roth N, et al. **Acta Biol Med Ger** 34(7):1211–5, 1975 (Eng. Abstr.) **(Ger)**
[Adaption of subjects in field studies of informatory working conditions (author's transl)] Luczak H, et al. **Eur J Appl Physiol** 35(1):33–47, 9 Mar 76 **(Ger)**
[Assessment of radiologists workload in Scandinavia(author's transl)] Koivisto E. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):594–7, Jun 76 (Eng. Abstr.) **(Ger)**
[Activation behavior in a compensatory tracking task in relation to performance (author's transl)] Schreinicke G, et al. **Int Arch Occup Environ Health** 36(3):183–95, 26 Jan 76 (Eng. Abstr.) **(Ger)**
[Work study on the determination of average time values with the aid of the multimoment frequency method in selected areas of pharmaceutical services] Bausdorf R. **Pharmazie** 30(5):99–107, May 75 **(Ger)**
[The effect of a monotonous repetitive task on flicker fusion and subjective feelings] Martin E, et al. **Soz Praeventivmed** 20(5):216–7, Sep–Oct 75 (Eng. Abstr.) **(Ger)**
[The effect of age and body weight on selected performance and stress parameters in induced psychonervous stress] Münzberger E, et al. **Z Gesamte Hyg** 21(7):554–9, Jul 75 (Eng. Abstr.) **(Ger)**
[The significance of physiologic parameters for stress determination in simple directional movements] Scheuch K, et al. **Z Gesamte Hyg** 21(7):548–53, Jul 75 (Eng. Abstr.) **(Ger)**
[Tasks of an occupational physician acting as an industrial physician] Kirschenheuter F, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 26(1):15–7, Jan 76 **(Ger)**
[Measuring of man at visual inspection task with psychophysiological responses (author's transl)] Nakaseko M, et al. **Jpn J Hyg** 30(2):315–22, Jun 75 (Eng. Abstr.) **(Jpn)**
[Blood transfusion service. Analysis of some blood bank functions] **Tidsskr Nor Laegeforen** 96(12):683–6, 30 Apr 76 (Eng. Abstr.) **(Nor)**
[Analysis of the utilization of working time in pharmaceutical manufacturing enterprises] Dolgikh VK, et al. **Farmatsiia** 24(3):61–6, May–Jun 75 **(Rus)**
[Experimental stand for modeling and studying working postures] Anan'ev BV. **Gig Tr Prof Zabol** (7):57–8, Jul 75 **(Rus)**
[Change in work capacity at high altitudes (psychophysiological study)] Aidaraliev AA, et al. **Kosm Biol Aviakosm Med** 9(4):83–4, Jul–Aug 75 **(Rus)**
[Possibility of reproducing the energy expenditure of different operations in the manual control of spacecraft] Baranov VM, et al. **Kosm Biol Aviakosm Med** 9(4):87–9, Jul–Aug 75 **(Rus)**
[Effect of positive transverse acceleration on the transmitting properties of human operators] Bodner VA, et al. **Kosm Biol Aviakosm Med** 9(6):45–8, Nov–Dec 75 **(Rus)**
[Method of complex assessment of an operator's performance on trainers] Skvortsov EM, et al. **Kosm Biol Aviakosm Med** 9(5):88–90, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Effect of cystamine on the performance of human operators] Vasin MV, et al. **Kosm Biol Aviakosm Med** 9(5):54–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Evaluation of the work of clinico-diagnostic laboratories] Zhevelik IuS, et al. **Lab Delo** (3):185–7, 1976 **(Rus)**
[Evaluation of the effectiveness of a technical system in radiological department on an example of the block of closed sources] Bogoudinov RD. **Med Tekh** (6):17–21, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Work experience of the Sverdlovsk Institute of Traumatology and Orthopedics in the development of socialist competition and movement toward communist regard for the work] Lubegina ZP. **Ortop Travmatol Protez** (5):70–4, May 75 **(Rus)**
[Study of ergonometric indices and morbidity of district therapeutists in Tallin polyclinics] Barysheva LM, et al. **Sov Zdravookhr** (11):49–52, 1975 (Eng. Abstr.) **(Rus)**
[Instructions on officially assigned functions in the practice of public health] Deriabina VL. **Sov Zdravookhr** (7):55–61, 1975 **(Rus)**
[Experience in the study of the budgeting of the time of students] Kovaleva AP. **Sov Zdravookhr** (4):49–54, 1975 (Eng. Abstr.) **(Rus)**
[Determination of the average expenditure of the physician's time in the department of municipal hygiene of urban sanitary-epidemiologic stations] Tubol VN. **Sov Zdravookhr** (11):43–8, 1975 (Eng. Abstr.) **(Rus)**

[Experience in the application of scientific organization of labor in the work of the infant department of an urban pediatric hospital] Tverdokhlebova OA, et al. **Sov Zdravookhr** 00(1):52–5, 1976 (Eng. Abstr.) **(Rus)**

[Experimental study of the visual search in the process of the analysis of x-rays] Urvantsev LP. **Vestn Rentgenol Radiol** (1):93–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Standard projects of the organization of work in veterinary medicine] Romashin MS, et al. **Veterinariia** (5):49–50, May 75 **(Rus)**

[Study of the actual employment of naval specialists] Kerov GV, et al. **Voen Med Zh** (8):60–1, Aug 75 **(Rus)**

[Evaluation of the factors affecting the indicators of work effectiveness in the hospitals] Molbiev AB. **Zdravookhr Ross Fed** (1):39–40, Jan 76 **(Rus)**

TASTE

Phenylthiocarbamide taste threshold distribution among the Rastogis of India. Rastogi S, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):167–8, 1975

Blood pressure, salt preference, salt threshold, and relative weight. Lauer RM, et al. **Am J Dis Child** 130(5):493–7, May 76

PTC testing of infants. Kalmus H. **Ann Hum Genet** 40(1):139–40, Jul 76

Electrically evoked taste threshold. Føons M. **Ann Otol Rhinol Laryngol** 85(3 pt 1):359–67, May–Jun 76

Prey–lithium aversions. III: Bueto hawks. Brett LP, et al. **Behav Biol** 17(1):87–98, May 76

Conditioned taste aversion caused by palatable nontoxic nutrients. Deutsch JA, et al. **Behav Biol** 16(2):161–74, Feb 76

Prey–lithium aversions. I: coyotes and wolves. Gustavson CR, et al. **Behav Biol** 17(1):61–72, May 76

Influence of sucrose preexposure on acquisition of a conditioned aversion. Klein SB, et al. **Behav Biol** 16(1):99–106, Jan 76

Failure of Sprague–Dawley rats to transfer taste–aversions or preferences by odor–marking the spout. Parker LA, et al. **Behav Biol** 15(3):383–7, Nov 75

Prey–lithium aversions. II: laboratory rats and ferrets. Rusiniak KW, et al. **Behav Biol** 17(1):73–85, May 76

Subjective responses to alcoholic and non–alcoholic beverages by alcoholic respondents. Frankel A. **Behav Res Ther** 14(1):73–6, 1976

The structure of monellin and its relation to the sweetness of the protein. Bohak Z, et al. **Biochim Biophys Acta** 427(1):153–70, 18 Mar 76

Physicochemical studies of taste reception. III. Interpretation of the water response in taste reception. Miyake M, et al. **Biochim Biophys Acta** 436(4):843–55, 15 Jul 76

Acquired sensory control of satiation in man. Booth DA, et al. **Br J Psychol** 67(2):137–47, May 76

Taste and swallowing in utero. Mistretta CM, et al. **Br Med Bull** 31(1):80–4, Jan 75

Neonatal nutritive sucking: effects of taste stimulation upon sucking rhythm and heart rate. Crook CK, et al. **Child Dev** 47(2):518–22, Jun 76

Taste as a deterrent in pediatric poisonings. Temple AR, et al. **Clin Toxicol** 8(5):541–6, 1975

Taste–aversion learning in infant guinea pigs. Kalat JW. **Dev Psychobiol** 8(5):383–7, Sep 75

Styrofoam cages for rats used in microwave research: coating with quinine. Catravas GN. **Health Phys** 31(1):68–9, JUL 76

Identification of the bitter principle of cocoa. Pickenhagen W, et al. **Helv Chim Acta** 58(4):1078–86, 4 Jun 75

The ability to taste phenylthiocarbamide among the Tripolitanians, Cyrenaicans, and Fezzanites of Libya and the Kikuyu, Kamba, and Taita of Kenya. Sunderland E, et al. **Hum Biol** 47(4):473–81, Dec 75

Genetic variation in Nigeria. I. The genetics of phenylthiourea tasting ability. Scott–Emuakpor AB, et al. **Hum Hered** 25(5):360–9, 1975

A study of circadian variation in taste in normal man and in patients with adrenal cortical insufficiency: the role of adrenal cortical steroids. pp. 397–408. Henkin RI. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.**

alpha–Glucosidases as sugar receptor proteins in flies. pp. 207–33. Hansen K. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.** (58 ref.)

Thaumatin and monellin, the intensely sweet–tasting proteins from tropical African fruits. pp. 235–42. van der Wel H. **In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.**

Circadian cyclic sensitivity to gamma radiation as an unconditioned stimulus in taste aversion conditioning. pp. 544–7. Ternes JW. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

The transfer and utilization of vitamin C as interpreted by its human biological rhythms. pp. 249–55. Wilson CW. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

The association between taste sensitivity to phenylthiocarbamide (PTC) and diabetes mellitus. Sriram K, et al. **Indian J Med Res** 63(3):390–5, Mar 75

Taste rejection of nonnutritive sweeteners in cats. Bartoshuk LM, et al. **J Comp Physiol Psychol** 89(8):971–5, Oct 75

Demonstrations of neophobia and enhanced neophobia in the albino rat. Carroll ME, et al. **J Comp Physiol Psychol** 89(5):457–67, Jul 75

Ingestive responses of human newborns to salty, sour, and bitter stimuli. Desor JA, et al. **J Comp Physiol Psychol** 89(8):966–70, Oct 75

Effect of a quinine–adulterated diet upon body weight maintenance in male rats with ventromedial hypothalamic lesions. Ferguson NB, et al. **J Comp Physiol Psychol** 89(5):478–88, Jul 75

Effect of preconditioning unconditioned stimulus experience on learned taste aversions. Cannon DS, et al. **J Exp Psychol [Anim Behav]** 104(3):270–84, Jul 75

Determinants of the enhancement of flavored–water intake by prior exposure. Domjan M. **J Exp Psychol [Anim Behav]** 2(1):17–27, Jan 76

The effects of improved oral hygiene on taste perception and nutrition of the elderly. Langan MJ, et al. **J Gerontol** 31(4):413–8, Jul 76

Proceedings: Visual and taste neurones in the lateral hypothalamus and substantia innominata: modulation of responsiveness by hunger. Burton MJ, et al. **J Physiol (Lond)** 252(2):50P–51P, Nov 75

Voluntary consumption of alcohol by baboons. Effects of flavor, concentration and temperature of solution. Elton RH, et al. **J Stud Alcohol** 36(9):1124–30, Sep 75

A simple flow system for controlled gustatory stimulation avoiding stimulus delay or mixing. O'Mahony M. **Med Biol Eng** 12(4):567–8, Jul 74

Letter: Saltiness of 'Morton Lite–Salt' and table salt used with rice. Kingaid JP, et al. **N Engl J Med** 294(14):788, 1 Apr 76

Evidence for the proximity of sweet and bitter receptor sites. Biroh GG, et al. **Nature** 260(5552):632–4, 15Apr 76

Effect of the menstrual cycle on subjective ratings of sweetness. Aaron M. **Percept Mot Skills** 40(3):974, Jun 75

How many tastes are there for low concentration 'sweet' and 'sour' stimuli? – Threshold implications. O'Mahony M, et al. **Perception** 5(2):147–54, 1976

Role of sensory factors in chewing and feeding behavior. Kawamura Y. **Pharmacol Biochem Behav** 3(1 Suppl):163–73, 1975

Cycloheximide–induced amnesia for taste aversion memory in rats. Tucker A, et al. **Pharmacol Biochem Behav** 4(2):181–4, Feb 76

Effects of water deprivation, NaCl injection, and seven aversive taste stimuli on drinking in two normal mouse strains and one with diabetes insipidus. Kutscher CL, et al. **Physiol Behav** 15(6):659–67, Dec 75

Regulatory drinking in rats with permanent access to a bitter fluid source. Nicolaidis S, et al. **Physiol Behav** 14(6):819–24, Jun 75

Modification of diurnal feeding patterns by palatability. Panksepp J, et al. **Physiol Behav** 15(6):673–7, Dec 75

Effects of denaturants on the sweet–tasting protein monellin. Morris JA, et al. **Proc Soc Exp Biol Med** 150(2):265–70, Nov 75

The role of orosensory stimuli from ethanol and blood–alcohol levels in producing conditioned taste aversion in the rat. Eckardt MJ. **Psychopharmacologia** 44(3):267–71, 21 Nov 75

Effects of drug experience on drug induced conditioned taste aversions: studies with amphetamine and fenfluramine. Goudie AJ, et al. **Psychopharmacologia** 44(1):77–82, 14 Oct 75

Behaviorally conditioned immunosuppression. Ader R, et al. **Psychosom Med** 37(4):333–40, Jul–Aug 75

'Off–flavours' in foods—a summary of experience, 1948–74. Goldenberg N, et al. **R Soc Health J** 96(2):86–92, Apr 76

Preferences for sweet and salty in 9– to 15–year–old and adult humans. Desor JA, et al. **Science** 190(4215):686–7, 14 Nov 75

Human newborns differentiate differing concentrations of sucrose and glucose. Nowlis GH, et al. **Science** 191(4229):865–6, 27 Feb 76

Rapid oral mixing of glucose and saccharin by rats. Smith JC, et al. **Science** 191(4224):304–5, 23 Jan 76

Structure–taste relationship of some sweet–tasting dipeptide esters. Brussel LB, et al. **Z Lebensm Unters Forsch** 159(6):337–43, 30 Dec 75

[The role of olfactory–gustatory perception in the dietary intake of man] pp. 27–9. Duclaux R, et al. **In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974.** **(Fre)**

[Taste and smell. A surprising exploration] Veylon R. **Nouv Presse Med** 3(41–43):2584–9, 30 Nov–14 Dec 74 **(Fre)**

[Differences in taste assessment of sweeteners by normal and overweight persons] Mathieu A, et al. **Dtsch Med Wochenschr** 101(18):703–8, 30 Apr 76 (Eng. Abstr.) **(Ger)**

[Where lies the boundary between common sensation and taste perception in electrogustometry (author's transl)] Kida A, et al. **HNO** 23(3):72–3, Mar 75 (Eng. Abstr.) **(Ger)**

[An improved and practical electrogustometer] Rollin H, et al. **HNO** 23(3):95–7, Mar 75 (Eng. Abstr.) **(Ger)**

[Relations between structure and bitter taste of amino acids and peptides. I. Amino acids and related compounds] Wieser H, et al. **Z Lebensm Unters Forsch** 159(2):65–72, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Response patterns of a single chorda tympani nerve fiber of the rat to 4 types of taste] Ichioka M, et al. **J Physiol Soc Jpn** 36(8–9):315, 1 Sep 74 **(Jpn)**

[Some insecticides and the coffee liquor (author's transl)] do Amaral SF, et al. **Arq Inst Biol (Sao Paulo)** 40(3):173–80, Jul–Sep 73 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Gustatory effects of miraculin, monellin and thaumatin in the Saguinus midas tamarin monkey studied with electrophysiological and behavioural techniques. Hellekant G, et al. **Acta Physiol Scand** 97(2):241–50, Jun 76

An ACTH effect on recovery from conditioned taste aversion. Kendler K, et al. **Behav Biol** 17(2):225–9, Jun 76

Pysicochemical studies of taste reception. V. Suppressive effect of salts on sugar response of the frog. Miyake M, et al. **Biochim Biophys Acta** 436(4):856–62, 15 Jul 76

Proceedings: Peptide hormones and the extinction of conditioned taste aversion. Righter H. **Br J Pharmacol** 55(2):270P–271P, Oct 75

The sense of taste in some occupational exposures. Taniewski M. **Bull Inst Marit Trop Med Gdynia** 26(3–4):329–36, 1975

High sensitivity of catfish taste receptors to amino acids. Caprio J. **Comp Biochem Physiol [A]** 52(1):247–51, 1 Sep 75

Conditioned taste aversion: route of drug administration. pp. 241–48. Coussens WR. **In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.**

Alcohol–induced conditioned taste aversion in rats. Effect of concentration and prior exposure to alcohol. Eckardt MJ. **J Stud Alcohol** 37(3):334–46, Mar 76

Effects of prior drug experience on the establishment of taste aversions in rats. Goudie AJ, et al. **Pharmacol Biochem Behav** 3(5):947–52, Sep–Oct 75

Drug pretreatment effects in drug induced taste aversions: effects of dose and duration of pretreatment. Goudie AJ, et al. **Pharmacol Biochem Behav** 4(5):629–33, May 76

Effects of amygdala lesions on taste aversions produced by amphetamine and LiCl. Grupp LA, et al. **Pharmacol Biochem Behav** 4(5):541–4, May 76

Effects of parachlorophenylalanine on ethanol self–selection in the rat. Parker LF, et al. **Pharmacol Biochem Behav** 4(5):535–40, May 76

Conditioned flavor aversions for assessing precipitated morphine abstinence in rats. Pilcher CW, et al. **Pharmacol Biochem Behav** 4(2):159–63, Feb 76

Learned taste aversions induced by high doses of monosodium L–glutamate. Vogel JR, et al. **Pharmacol Biochem Behav** 3(5):935–7, Sep–Oct 75

Effect of gymnemic acid on single taste hairs of the housefly, Musca domestica. Kennedy LM, et al. **Physiol Behav** 14(6):755–65, Jun 75

Aversive effects of repeated injections of THC in rats. Kay EJ. **Psychol Rep** 37(3 PT 2):1051–4, Dec 75

[Taste sensitivity in persons engaged in the production of superphosphate] Bekmetov MV. **Stomatologiia (Mosk)** 54(4):24–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

P.T.C. tasting among three Indian groups of Nicaragua. Franco De Stefano G, et al. **Am J Phys Anthropol** 44(2):371–3, Mar 76

An analysis of the time course of gustatory neural adaptation in the rat. Smith DV, et al. **Am J Physiol** 229(4):1134–40, Oct 75

Conditioned taste aversion and the pituitary–adrenal system. Hennessy JW, et al. **Behav Biol** 16(4):413–24, Apr 76

Plasma corticosterone levels during recovery from LiCl produced taste aversions. Smotherman WP, et al. **Behav Biol** 16(4):401–12, Apr 76

Using arousal changes in the EEG to indicate gustatory sensitivity following brain lesion in Gallus domesticus. Gentle MJ. **Br Poult Sci** 17(2):151–6, Mar 76

Stimulation of the gerbil's gustatory receptors by monosaccharides. Jakinovich W Jr, et al. **Brain Res** 110(3):491–504, 16 Jul 76

Stimulation of the gerbil's gustatory receptors by polyols. Jakinovich W Jr, et al. **Brain Res** 110(3):505–13, 16 Jul 76

Stimulation of the gerbil's gustatory receptors by disaccharides. Jakinovich W Jr. **Brain Res** 110(3):481–90, 16 Jul 76

Projections of thalamic gustatory and lingual areas in the rat. Norgren R, et al. **Brain Res** 92(1):123–9, 4 Jul 75

Gustatory neural coding in the pons. Perrotto RS, et al. **Brain Res** 110(2):283–300, 9 Jul 76

Cortical responses to electrical and gustatory stimuli in the rabbit. Yamamoto T, et al. **Brain Res** 94(3):447–63, 5 Sep 75

Effects of hunger on the responses of neurons in the lateral hypothalamus to the sight and taste of food. Burton MJ, et al. **Exp Neurol** 51(3):668–77, Jun 76

The anterior cranial gustatory pathway in fish. Kiyohara S, et al. **Experientia** 31(9):1051–3, 15 SEP 75

Peripheral control of meal size: interaction of gustatory stimulation and postingestional feedback. pp. 395–408. Davis JD, et al. **In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.**

Studies of taste in childhood obesity. pp. 441–57. Grinker

JA, et al.
In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.
Gustatory behaviour of the chicken and other birds. pp. 305–18. Gentle MJ.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974. (50 ref.)
Taste pathways to hypothalamus and amygdala. Norgren R. **J Comp Neurol** 166(1):17–30, 1 Mar 76
Motivational and neuroanatomical specificity of hypodipsia for aversive solutions produced by medial preoptic injury to the rat. Carey RJ, et al. **J Comp Physiol Psychol** 89(4):299–307, Jun 75
Failure of sodium- and calcium-deficient rats to acquire conditioned taste aversions to the object of their specific hunger. Frumkin K. **J Comp Physiol Psychol** 89(4):329–39, Jun 75
Conditioned taste aversions and neophobia in rats with hippocampal lesions. Krane RV, et al. **J Comp Physiol Psychol** 90(7):680–93, Jul 76
Effects of lesions of the gustatory necortex on taste aversion learning in the rat. Lorden JF. **J Comp Physiol Psychol** 90(7):665–79, Jul 76
Role of illness in producing learned taste aversions in rats: a comparison of several rodenticides. Nachman M, et al. **J Comp Physiol Psychol** 89(9):1010–8, Nov 75
Behavioural and electrophysiological studies of taste discrimination by the maxillary palps of larvae of Locusta migratoria (L.). Blaney WM. **J Exp Biol** 62(3):555–69, Jun 75
Preferences by northern grasshopper mice for solutions of sugars, acids, and salts in Richter-type drinking tests. Harriman AE. **J Gen Psychol** 95(1):85–92, Jul 76
Relationship between taste cell responses and arrangement of labellar taste setae in the blowfly Calliphora vicina. Maes FW, et al. **J Insect Physiol** 22(3):377–84, 1976
Biochemical studies of taste sensation. III. Preparation of a suspension of bovine taste bud cells and their labeling with a fluorescent probe. Brand JG, et al. **J Neurobiol** 7(3):205–20, May 76
Wild birds detect quinine on artificial Batesian models. Terhune EC. **Nature** 259(5544):561–3, 19 Feb 76
Taste qualities elicited by electric stimulation of single human tongue papillae. Plattig KH, et al. **Pfluegers Arch** 361(2):115–20, 30 Jan 76
Multiple sensitivity to chemical stimuli in single human taste papillae. Bealer SL, et al. **Physiol Behav** 14(6):795–9, Jun 75
Effect of gonadectomy on taste preference for glucose solutions in rats. Gabrić D, et al. **Physiol Behav** 15(2):145–8, Aug 75
Taste bud distribution and regional responsiveness on the anterior tongue of the rat. Miller IJ Jr. **Physiol Behav** 16(4):439–44, Apr 76
Effects of hunger, satiety and glucose load upon taste intensity and taste hedonics. Moskowitz HR, et al. **Physiol Behav** 16(4):471–5, Apr 76
Genetic influence on water and sweetened water consumption in mice. Ramirez I, et al. **Physiol Behav** 16(2):163–8, Feb 76
Sensitivity of the rat gustatory system to the rate of stimulus onset. Smith DV, et al. **Physiol Behav** 15(3):303–14, Sep 75
VMH lesions facilitate baitshyness in the rat. Thomas JB, et al. **Physiol Behav** 15(1):7–11, Jul 75
Learned taste aversion induced by cortical spreading depression. Winn FJ Jr, et al. **Physiol Behav** 15(1):21–4, Jul 75
Quantitative studies on taste preference in pigs. Baldwin BA. **Proc Nutr Soc** 35(1):69–73, May 76 (19 ref.)
Letter: Differentiation of differing concentrations of sucrose glucose by human newborns. Bolduan NW. **Science** 193(4259):1267, 24 Sep 76
Letter: Flavor aversion studies. Garcia J, et al. **Science** 192(4236):265–7, 16 Apr 76
Cross-cultural differences in simple taste preferences. Moskowitz HW, et al. **Science** 190(4220):1217–8, 19 Dec 75
Letter: Histamine and radiation-induced taste aversion conditioning. Sessions GR. **Science** 190(4212):402–3, 24 Oct 75
Nerve impulse sequences correlated with the four primary taste qualities in rat. Hayashi H. **Tohoku J Exp Med** 118(1):25–33, Jan 76
The sense of taste in man. Diamant H. **Trans Am Acad Ophthalmol Otolaryngol** 80(4 Pt 1):362–5, Jul–Aug 75

RADIATION EFFECTS

Antihistamines block radiation-induced taste aversions. Levy CJ, et al. **Science** 186(4168):1044–6, 13 Dec 74

TASTE BUDS

Biochemical studies of tast sensation. Binding of L-[3H]alanine to a sedimentable fraction from catfish barbel epithelium. Krueger JM, et al. **J Biol Chem** 251(1):88–97, 10 Jan 76
[Further research on the innervation of the vallate papillae and the foliate organ in rabbits] Aronna G, et al. **Boll Soc Ital Biol Sper** 51(17):1079–85, 15 Sep 75 **(Ita)**

ANALYSIS

Specific effect of 5,6-dihydroxytryptamine on the monoamine fluorophore of the frog's gustatory cells. Nada O, et al. **Histochemistry** 45(2):121–7, 21 Nov 75

ANATOMY & HISTOLOGY

A denervation study of taste buds in the soft palate of the albino rat. Cleaton-Jones P. **Arch Oral Biol** 21(2):79–82, 1976
On the origin, development and probable functions of taste buds in the bucco-pharyngeal epithelium of a freshwater major carp, Catla catla (Hamilton). Sinha GM, et al. **Z Mikrosk Anat Forsch** 88(6):1061–8, 1974
On the origin, development and probable functions of taste bud in the lip and bucco-pharyngeal epithelia of an Indian freshwater major carp, Cirrhinus mrigala (Hamilton) in relation to food and feeding habits. Sinha GM. **Z Mikrosk Anat Forsch** 89(2):294–304, 1975
[Typing of taste buds of Xiphophorus helleri Heckel (Poeciliidae, Teleostei). Morphological and histochemical studies] Reutter K. **Verh Anat Ges** 68:851–4, 1974 (Eng. Abstr.) **(Ger)**
[Scanning electron microscopy studies of taste buds in fishes (Amiurus nebulosus and Xiphosphorus helleri)] Reutter K, et al. **Verh Anat Ges** 69:879–84, 1975 (Eng. Abstr.) **(Ger)**
[Twin gustatory taste buds] Brzezińska B. **Czas Stomatol** 28(9):887–91, Sep 75 (Eng. Abstr.) **(Pol)**
[Multiaxial and polyvalent taste buds] Brzezińska B. **Czas Stomatol** 29(6):491–6, Jun 76 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Particular features of the innervation of taste buds of the epiglottis in monkeys. Khaisman EB. **Acta Anat (Basel)** 95(1):101–15, 1976
Catecholamine-containing cells of the taste buds in the tongue of the frog (Rana temporaria). Krokhina EM, et al. **Arch Anat Microsc Morphol Exp** 64(1):67–74, Jan–Mar 75
Characterization of fractions from taste bud and non-taste bud-enriched filtrates from and around bovine circumvallate papillae. Lum CK, et al. **Biochim Biophys Acta** 421(2):362–79, 24 Feb 76
Preparation and isolation of a taste bud-derived fraction from bovine circumvallate papillae. Lum CK, et al. **Biochim Biophys Acta** 421(2):353–61, 24 Feb 76
[Influence of the nervous system on the differentiation of taste buds] Reutter K. **Verh Anat Ges** 69:679–84, 1975 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Depression of taste responses by local or intravascular administration of salicylates in the rat. Hellekant G, et al. **Acta Physiol Scand** 95(3):286–92, NOV 75
High sensitivity of catfish taste receptors to amino acids. Caprio J. **Comp Biochem Physiol [A]** 52(1):247–51, 1 Sep 75
Effects of local anesthetics on frog taste cell responses. Akaike N, et al. **Jpn J Physiol** 25(5):585–97, 1975
Mechanism of action of some bitter-tasting compounds on frog taste cells. Akaike N, et al. **Jpn J Physiol** 26(1):29–40, 1976
[Proceedings: Effects of proteases on sweet taste receptors] Hiji Y. **J Physiol Soc Jpn** 36(8–9):313, 1 Sep 74 **(Jpn)**
[Differences in the responses of taste receptors to organic and inorganic acids with changes in the concentration of bicarbonate in the solution] Kozlova MV. **Fiziol Zh SSSR** 61(7):1000–7, Jun 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proceedings: Phosphatases in the taste buds and taste bud-carrying papillae of the dog. Rakhawy MT. **West Afr J Pharmacol Drug Res** 2(1):83P–84P, Dec 74

METABOLISM

Ultrastructural evidence for the uptake of 5,6-dihydroxytryptamine in the frog's gustatory cell. Nada O, et al. **Am J Anat** 144(3):393–8, Nov 75
Sugar binding to purified fractions from bovine taste buds and epithelial tissue. Relationships to bioactivity. Lum CK, et al. **Biochim Biophys Acta** 421(2):380–94, 24 Feb 76
Biochemical studies of taste sensation. III. Preparation of a suspension of bovine taste bud cells and their labeling with a fluorescent probe. Brand JG, et al. **J Neurobiol** 7(3):205–20, May 76
[Binding centers for bitter and sweet agents in the tongue] Safarian EKh. **Dokl Akad Nauk SSSR** 228(5):1233–6, 1976 **(Rus)**

PHYSIOLOGY

Pysicochemical studies of taste reception. V. Suppressive effect of salts on sugar response of the frog. Miyake M, et al. **Biochim Biophys Acta** 436(4):856–62, 15 Jul 76
Physicochemical studies of taste reception. III. Interpretation of the water response in taste reception. Miyake M, et al. **Biochim Biophys Acta** 436(4):843–55, 15 Jul 76
A model for the stimulation of taste receptor cells by salt. DeSimone JA, et al. **Biophys J** 16(8):869–81, Aug 76
High sensitivity of catfish taste receptors to amino acids. Caprio J. **Comp Biochem Physiol [A]** 52(1):247–51, 1 Sep 75
The neural induction of taste buds in the salivary ducts of the lingual gland of von Ebner. Zalewski AA. **Exp Neurol** 52(3):565–80, Sep 76
Effects of deneravation and decentralization upon taste buds. Donoso JA, et al. **Experientia** 32(5):591–2, 15 May 76
Latency of taste nerve signals in frog (Rana catesbeiana). Sato T. **Experientia** 32(7):877–9, 1976
Gustatory pathways in the bullhead catfish. I. Connections of the anterior ganglion. Finger TE. **J Comp Neurol** 165(4):513–26, 15 Feb 76
Membrane resistance change of the frog taste cells in response to water and Nacl. Sato T, et al. **J Gen Physiol** 66(6):735–63, Dec 75 (55 ref.)
Electrical responses to frog taste cells to chemical stimuli. Akaike N, et al. **J Physiol (Lond)** 254(1):87–107, Jan 76
Taste qualities elicited by electric stimulation of single human tongue papillae. Plattig KH, et al. **Pfluegers Arch** 361(2):115–20, 30 Jan 76
Multiple sensitivity to chemical stimuli in single human taste papillae. Bealer SL, et al. **Physiol Behav** 14(6):795–9, Jun 75
Taste bud distribution and regional responsiveness on the anterior tongue of the rat. Miller IJ Jr. **Physiol Behav** 16(4):439–44, Apr 76
Enhancement of gustatory neural response to salts following adaptation of frog tongue to quinine-HCl. Sato T. **Tohoku J Exp Med** 117(4):381–4, Dec 75
[Where lies the boundary between common sensation and taste perception in electrogustometry (author's transl)] Kida A, et al. **HNO** 23(3):72–3, Mar 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Responses of tongue mucosal receptors in rats to spices] Okuni Y, et al. **J Physiol Soc Jpn** 36(8–9):313, 1 Sep 74 **(Jpn)**
[The role of catecholamines in the centrifugal regulation of taste receptors] Esakov AI, et al. **Biull Eksp Biol Med** 79(5):8–11, May 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Comparative ultrastructure of vallate, foliate and fungiform taste buds of golden Syrian hamster. Miller RL, et al. **Acta Anat (Basel)** 95(1):75–92, 1976
An ultrastructural study on the development of vallate taste buds of the golden Syrian hamster. Miller RL, et al. **Acta Anat (Basel)** 95(2):190–206, 1976
Scanning electron microscopy of fungiform papillae on the tongue of man and monkey. Arvidson K. **Acta Otolaryngol (Stockh)** 81(5–6):496–502, May–Jun 76
Ultrastructural study of taste buds at rest and after stimulation, and comparative study between type III cell and Merkel cells. Ciges M, et al. **Acta Otolaryngol (Stockh)** 81(3–4):209–219, Mar–Apr 76
Ultrastructural alterations in rabbit taste buds induced by prolonged treatment with cycloheximide. Fujimoto S. **Arch Histol Jpn** 38(1):31–42, Jun 75
The ultrastructure of taste and touch receptors of the frog's taste organ. Düring MV, et al. **Cell Tissue Res** 165(2):185–98, 26 Jan 76
Fine structure of taste buds in the barbel of the catfish, Ictalurus punctatus. Grover-Johnson N, et al. **Cell Tissue Res** 169(3):395–403, 28 Jun 76
Evidence for the proximity of sweet and bitter receptor sites. Biroh GG, et al. **Nature** 260(5552):632–4, 15Apr 76
Observations on the origin of the dense extracellular pore substance of bovine circumvallate taste buds. Mattern CF, et al. **Trans Am Microsc Soc** 95(1):56–62, Jan 76

TASTE DISORDERS

[Clinical aspects of taste disorders] Miloşescu P. **Rev Chir [Otorinolaringol]** 19(5):325–34, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Letter: Taste dysfunction and penicillamine. Lerner S. **JAMA** 236(3):250–1, 19 Jul 76
[Letter: Drug-induced taste disorders] Jacobi GH. **Dtsch Med Wochenschr** 101(19):759, 7 May 76 **(Ger)**
[Taste disorders and liver parenchymal damage after administration of thiamazole (author's transl)] Kolenda KD. **Dtsch Med Wochenschr** 101(3):84–6, 16 Jan 76 (Eng. Abstr.) **(Ger)**
[Thiocarbamides. Taste disorders--minor side effects] Naes K. **Tidsskr Nor Laegeforen** 95(22):1230–1, 10 Aug 75 **(Nor)**
[Taste sensitivity in persons engaged in the production of superphosphate] Bekmetov MV. **Stomatologiia (Mosk)** 54(4):24–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Defects of taste and smell in patients with hypothyroidism. McConnell RJ, et al. **Am J Med** 59(3):354–64, Sep 75
Olfactory, auditory, and gustatory function in patients with bonadal dysgenesis. Valkov IM, et al. **Obstet Gynecol** 46(4):417–8, Oct 75

ETIOLOGY

Hypogeusia, dysgeusia, hyposmia, and dysosmia following influenza-like infection. Henkin RI, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):672–82, Sep–Oct 75
Abnormalities of taste sensation in cancer patients. DeWys

WD, et al. **Cancer** 36(5):1888–96, Nov 75
Disease–medication relationships in altered taste sensitivity. Carson JA, et al. **J Am Diet Assoc** 68(06):550–3, Jun 76
[Late consequences in the ENT region following mid–facial fractures] Nickol HJ. **Fortschr Kiefer Gesichtschir** 19:196–8, 1975 **(Ger)**
[Traumatic olfactory and taste disorders] Roseburg B, et al. **Z Aerztl Fortbild (Jena)** 70(3):132–5, 1 Feb 76 **(Ger)**
[Zinc and olfactory acuity in epileptic patients. Preliminary note] Filla A, et al. **Acta Neurol (Napoli)** 30(6):563–8, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Gustatory disturbances in multiple sclerosis] Rollin H. **Laryngol Rhinol Otol (Stuttg)** 55(8):678–81, Aug 76 (Eng. Abstr.) **(Ger)**

TASTE THRESHOLD see under **TASTE**

TATTOOING

Letter: Tattooing for port–wine stains. Rossum GP van. **Br Med J** 1(6022):1402, 5 Jun 76
Adventitious tattooing. Agris J. **J Dermatol Surg** 2(1):72–4, Mar 76
An experimental study of powder tattooing of the skin. DiMaio VJ, et al. **J Forensic Sci** 21(2):367–72, Apr 76
Occupational hyper–pigmentation via beef–carcass tattoo. Report and review. Hershkowitz M, et al. **J Med Soc NJ** 72(12):1041–3, Dec 75
Changing attitudes toward orofacial tattoos. Dummett CO. **J Natl Med Assoc** 68(1):64–6, Jan 76
Tattoo removal by split thickness tangential excision. Wheeler ES, et al. **West J Med** 124(4):272–5, Apr 76
[Tattooing of minors. II] Holm PC, et al. **Ugeskr Laeger** 138(10):630–1, 1 Mar 76 (Eng. Abstr.) **(Dan)**
[Wide–spread tattooing among high school students] Boér I, et al. **Orv Hetil** 117(33):2007–10, 15 Aug 76 **(Hun)**

ADVERSE EFFECTS

Letter: Tattooing for port–wine stains. Hishon S. **Br Med J** 2(6026):47, 3 Jul 76
Sarcoidosis presenting with multiple tattoo granulomata. Iveson JM, et al. **Postgrad Med J** 51(599):670–2, Sep 75

HISTORY

Some physical characteristics, including pock marks, tattoos and disabilities, of convict boys transported to Australia from Britain c.1840. Gandevia B. **Aust Paediatr J** 12(1):6–13, Mar 76

TAURINE

Alkaline and enzymatic hydrolysis of conjugated bile acids. Roseleur OJ, et al. **Clin Chim Acta** 66(2):269–72, 16 Jan 76
A selected bibliography on taurine 1967–1975. pp 379–89. Barbeau A, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t. (212 ref.)
Retinal degeneration in cats fed casein. II. Supplementation with methionine, cysteine, or taurine. Berson EL, et al. **Invest Ophthalmol** 15(1):52–8, Jan 76
Dietary influence on bile acid conjugation in the cat. Rabin B, et al. **J Nutr** 106(9):1241–6, Sep 76
A review on the biological function of taurine. Hayes KC. **Nutr Rev** 34(6):161–5, Jun 76 (27 ref.)
[Preparation of selenohypotaurine] Fadda MB, et al. **Boll Soc Ital Biol Sper** 51(15–16):947–50, 30 Aug 75 **(Ita)**

ADMINISTRATION & DOSAGE

[The effect of cesium and lithium ions on the antitumor effectiveness of taurine] Akhalaia MIa, et al. **J Abnorm Psychol** (4):44–6, 1976 **(Rus)**

ADVERSE EFFECTS

Deleterious effects of taurine in cats with digitalis–induced arrhythmias. Hinton JR, et al. **Eur J Pharmacol** 33(2):383–7, Sep–Oct 75

ANALOGS & DERIVATIVES

On the formation of hypotaurine in various tissues of different species. pp 67–71. Chatagner F, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Influence of testosterone on the concentration of hypotaurine and taurine in the reproductive tract of the male guinea pig, rat, and mouse. pp 327–34. Kochakian CD.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Effects of taurodihydrofusidate, a bile salt analogue, on bile formation and biliary lipid secretion in the rhesus monkey. Beaudoin M, et al. **J Clin Invest** 56(6):1431–41, Dec 75
[Effect of 3–aminopropanesulfenic acid of the electric activity of the cerebral cortex] Sobotka P, et al. **Cesk Fysiol** 24(4):381–4, 1975 **(Cze)**
[Role of 5–hydroxytryptamine and of the acetylocholine in the anticonvulsive action of homotaurine] Bartolini A, et al. **Boll Soc Ital Biol Sper** 51(22):1716–22, 30 Nov 75 **(Ita)**
[Effect of homotaurine on the learning and maintenance of the conditioned reflex of escape in the rat] Giotti A. **Boll Soc Ital Biol Sper** 51(22):1723–6, 30 Nov 75 **(Ita)**
[Antiradiation properties of taurine compounds] Kolesnikov IuA, et al. **Radiobiologiia** 15(6):928–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Application of inexpensive equipment for high pressure liquid chromatography to assays for taurine, gamma–amino butyric acid, and 5–hydroxytryptophan. Meek JL. **Anal Chem** 48(2):375–9, Feb 76
An enzymic method for the determination of the glycine/taurine ratio of conjugated bile acids in bile. Hafkenscheid JC, et al. **Clin Chim Acta** 65(1):67–74, 15 Nov 75
Some factors affecting the concentration of tissue or urinary taurine. pp 85–90. Iwata H, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine and related sulfur compounds in the reproductive tract of marine animals. pp 375–8. Kochakian CD.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine levels in the heart tissues of various species. pp 145–53. Kocsis JJ, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine content of epileptogenic foci in human brain. pp 275–81. Perry TL, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine in the brain and liver of the developing human and rhesus monkey. pp 73–84. Sturman JA, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Bile salt metabolism in intestinal tuberculosis increased glycine: taurine ratio of conjugated bile salts. Desai HG, et al. **Indian J Med Res** 63(12):1767–73, Dec 75
The distribution of taurine in the vertebrate retina. Orr HT, et al. **J Neurochem** 26(3):609–11, Mar 76

BIOSYNTHESIS

Alternative pathways of taurine biosynthesis. pp 59–66. Cavallini D, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
The metabolism of cysteamine to taurine. pp 45–57. Huxtable R, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Metabolic pathway of taurine synthesis in heart. pp 165–8. Read WO, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

BLOOD

Plasma amino–acids in hereditary retinal disease. Ornithine, lysine, and taurine. Berson EL, et al. **Br J Ophthalmol** 60(2):142–7, Feb 76
The distribution of taurine, gamma–aminobutyric acid and inorganic ions between plasma and erythrocytes in flounder (Platichthys flesus) at different plasma osmolalities. Fugelli K, et al. **Comp Biochem Physiol [A]** 55(2a):173–7, 1976
Uptake of taurine by human blood platelets: a possible model for brain. pp 91–8. Gaut ZN, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Platelet taurine in Down's syndrome. Boullin DJ, et al. **Med Biol** 53(3):184–6, Jun 75

DEFICIENCY

Hereditary mental depression with taurine deficiency: further studies, including a therapeutic trial of taurine administration. pp 365–74. Perry TL.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Retinal degeneration in cats fed casein. I. Taurine deficiency. Schmidt SY, et al. **Invest Ophthalmol** 15(1):47–52, Jan 76

METABOLISM

Effects of hypothyroidism and thyroxine substitution on the metabolism of L–methionine, L–cystathionine and taurine in developing rat brain. Heinonen K. **Acta Endocrinol (Kbh)** 80(3):487–500, Nov 75
Transport of taurine in the central nervous system. Oja SS, et al. **Adv Exp Med Biol** 69:237–52, 1976 (59 ref.)
Studies on the uptake of taurine by the isolated neural retina and pigment epithelium of the frog. Lake N, et al. **Biochem Soc Trans** 3(4):524–5, 1975
[3H]taurine accumulation by frog spinal cord slices. Davidoff RA, et al. **Brain Res** 110(2):392–8, 9 Jul 76
Calcium coupled release of [35S]taurine from retina. Salceda R, et al. **Brain Res** 96(1):206–11, 10 Oct 75
The brain, the heart and taurine. Barbeau A. **Can J Neurol Sci** 2(4):343–6, Nov 75 (60 ref.)
Taurine levels in the anuran tadpole tail during spontaneous and triiodothyronine–induced metamorphosis. Little GH, et al. **Comp Biochem Physiol [A]** 54(2):245–7, 1976
Uptake of taurine by slices of rat heart and kidney. pp 135–43. Awapara J, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
The metabolism of taurine in the animal. pp 1–19. Awapara J.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine changes in visual tissues with age. pp 210–8. Baskin SI, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine and synaptic transmission. pp 303–10. Bradford HF, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Metabolism and function of taurine in the heart. pp 99–119. Huxtable R.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Influence of testosterone on the concentration of hypotaurine and taurine in the reproductive tract of the male guinea pig, rat, and mouse. pp 327–34. Kochakian CD.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Regional and subcellular studies on taurine in the rat central nervous system. pp 311–26. Lombardini JB.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
The role of taurine in retina: factors affecting its release. pp 191–200. Pasantes–Morales H, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine metabolism: effects of diet and bile salt metabolism. pp 35–44. Spaeth DG, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine pool sizes in man: studies with 35S–taurine. pp 21–33. Sturman JA, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Taurine distribution in rat tissues during development. Macaione S, et al. **Ital J Biochem** 24(2):162–74, Mar–Apr 75
Studies on the uptake and release of radioactive taurine by the frog retina. Kennedy AJ, et al. **J Neurochem** 27(1):131–7, Jul 76
Uptake of taurine into subcellular fractions of C–6 glioma cells. Sieghart W, et al. **J Neurochem** 26(5):981–6, May 76
Taurine in the brain and liver of the developing human and monkey. Sturman JA, et al. **J Neurochem** 25(6):831–5, Dec 75
Binding of gamma–aminobutyric acid and taurine to synaptosomal fractions of regions of the feline CNS. Gadea–Ciria M, et al. **J Neurosci Res** 1(5–6):393–7, 1975
Metabolism of [35S]taurine in man. Sturman JA, et al. **J Nutr** 105(9):1206–14, Sep 75
Changes in taurine concentration in heart and skeletal muscle during atrophy and hypertrophy. Huxtable R, et al. **Proc West Pharmacol Soc** 18:101–5, 1975
Taurine transport rates between plasma and tissues in adult and 7–day–old mice. Oja SS, et al. **Q J Exp Physiol** 61(2):133–43, Apr 76
Retinal degeneration in the taurine–deficient cat. Schmidt SY, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP687–93, Jul–Aug 76

PHARMACODYNAMICS

Effect of primary bile acids on bile lipid secretion from perfused dog liver. Hoffman NE, et al. **Am J Physiol** 229(3):714–20, Sep 75
Levels of free amino acids in serum and cerebrospinal fluid after administration of taurine to epileptic and normal subjects. Mutani R, et al. **Epilepsia** 16(5):765–9, Dec 75
Electroencephalographic and biochemical study of the antiepileptic action of taurine administered by cortical superfusion. Durelli L, et al. **Exp Neurol** 52(1):30–9, Jul 76
Effects of taurine on the transmembrane ionic currents of rat and guinea pig ventricular fibres. Diacono J, et al. **Farmaco [Sci]** 31(4):277–83, Apr 76
Hypothermia produced by taurine. pp 347–56. Hruska RE, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Electrophysiological studies on actions of taurine. pp 179–89. Krnjević K, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Role of taurine in adrenal gland: a preventive effect on stress–induced release of catecholamines from chromaffin granules. pp 335–45. Kuriyama K, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Effect of taurine on the action potential of guinea pig papillary muscle. pp 173–7. Read WO, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Effect of taurine on eating and drinking behavior. pp 357–64. Thut PD, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.
Effect of taurine on heart and brain electrolyte imbalances. pp 155–63. Welty JD, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York,

Raven Press, 1975 W3 IN923E 1975t.

Excitability modulation by taurine: action on axon membrane permeabilities. Gruener R, et al. **J Pharmacol Exp Ther** 194(3):514–21, Sep 75

Effect of taurine on ethanol-induced sleeping time in mice. Iida S, et al. **J Stud Alcohol** 37(1):19–26, Jan 76

Effect of taurine on responses to noradrenaline, acetylcholine and ouabain in isolated auricles from digitalized guinea pigs. Fujimoto S, et al. **Jpn J Pharmacol** (1):105–10, Feb 76

Effect of taurine on alteration in adrenal functions induced by stress. Nakagawa K, et al. **Jpn J Pharmacol** 25(6):737–46, Dec 75

Is taurine-induced hypothermia in the rat mediated by 5-HT? Sgaragli GP, et al.
Naunyn Schmiedebergs Arch Pharmacol 288(2–3):179–84, 1975

Suppression of conditioned drinking by taurine and related compounds. Hruska RE, et al.
Pharmacol Biochem Behav 3(4):593–9, Jul–Aug 75

Effects of taurine on the ATPase activity in the human erythrocyte membrane. Igisu H, et al. **Pharmacology** 14(4):362–6, 1976

[Effect of taurine of the membrane electrical properties in guinea pig hearts] Diacono J, et al.
C R Acad Sci [D] (Paris) 281(23):1859–62, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Preventive anti-epileptic action of taurine administered by direct cortical perfusion] Durelli L, et al. **Riv Neurol** 45(4):391–8, Oct–Dec 75 **(Ita)**

[Bisynchronous discharge of symmetrical cortical epileptogenic foci and thaurine resistence (author's transl)] Delsedime M, et al. **Riv Patol Nerv Ment** 96(4):233–8, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Inhibitory effect of taurine on ouabain-induced arrythmia] Fujimoto S, et al. **Folia Pharmacol Jpn** 71(1):53–9, Jan 75 (Eng. Abstr.) **(Jpn)**

[Suppression of seizures by taurine – effects of edetate on actions of taurine and GABA (author's transl)] Izumi K. **Fukuoka Acta Med** 66(5):343–50, May 75 (Eng. Abstr.) **(Jpn)**

[Influence of taurine on the postradiation repair of yeast cells] Benevolenskiĭ VN, et al. **Radiobiologiia** 15(4):547–51, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Taurine, a putative transmitter in retina. pp. 89–105. Mandel P, et al.
In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.

Neuropharmacologic and behavioral effects of taurine. pp 253–66. Barbeau A, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t. (104 ref.)

Ionic actions of taurine on nerve and muscle membranes: electrophysiologic studies. pp 225–42. Gruener R, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

The in vivo regulation of cGMP content in rat cerebellum: a study on the action of taurine. pp 243–51. Guidotti A, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

A comparison of the evidence for taurine and GABA as neurotransmitters. pp 283–92. Kaczmarek LK.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

Rectification of abnormal glutamic acid levels by taurine. pp 293–302. van Gelder NM.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

The neuropharmacology of taurine. Barbeau A, et al.
Life Sci 17(5):669–77, 1 Sep 75 (109 ref.)

Taurine involvement in retinal and heart muscle function. **Nutr Rev** 33(11):343–7, Nov 75 (12 ref.)

SECRETION

Different effects of calcium flux-blocking agents on light and potassium stimulated release of taurine from retina. López-Colomé A, et al. **Brain Res** 113(3):527–34, 3 Sep 76

THERAPEUTIC USE

Kallikreinogen-kallikrein system during muscular work in patients with intermittent claudication: influence of taurine treatment. Franchi G, et al. **Adv Exp Med Biol** 70(00):323–7, 1976

Treatment of induced cholesteremia and atherosclerosis in rabbits with cholestyramine, niacin and taurine. Burns MJ, et al. **Curr Ther Res** 18(4):601–8, Oct 75

Proceedings: Experimental investigations showing an involvement of taurine in epilepsy. Mutani R, et al.
Electroencephalogr Clin Neurophysiol 39(5):536, Nov 75

Effects of taurine on acute epilepsy in rabbits. Savoldi F, et al. **Farmaco [Prat]** 31(1):27–34, Jan 76

Effect of taurine on audiogenic seizure response in rats. pp 267–74. Laird HE, et al.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

The reversal by taurine of ouabain-induced arrhythmias and hypoglycemia. Ray PS, et al. **J Am Osteopath Assoc** 75(2):211–15, Oct 75

Cortical and subcortical projected foci in cats: inhibitory action of taurine. Fariello RG, et al.
Neurology (Minneap) 25(11):1077–83, Nov 75

[Inhibition of proteolytic ferments by taurin in radiation sickness (author's transl)] Dokšina GA, et al.
Radiobiol Radiother (Berl) 16(3):339–45, 1975 (Eng. Abstr.) **(Ger)**

[Disturbances in carbohydrate metabolism in radiation sickness and its repair under the effect of therapeutic preparation (author's transl)] Dokšina GA, et al.
Radiobiol Radiother (Berl) 16(3):311–18, 1975 (Eng. Abstr.) **(Ger)**

[Acute cortical epileptogenic foci and prevention with taurine] Durelli L, et al. **Acta Neurol (Napoli)** 30(5):540–5, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Therapeutic effects of taurine in epilepsy: a clinical and polyphysiographic study (author's transl)] Marchesi GF, et al. **Riv Patol Nerv Ment** 96(3):166–84, May–Jun 75 (Eng. Abstr.) **(Ita)**

[The effect of taurine on the carbohydrate metabolism of diabetic animals] Silaeva TIu, et al.
Probl Endokrinol (Mosk) 22(3):99–103, May–Jun 76 (Eng. Abstr.) **(Rus)**

URINE

Localization of the membrane defect in transepithelial transport of taurine by parallel studies in vivo and in vitro in hypertaurinuric mice. Chesney RW, et al.
J Clin Invest 57(1):183–93, Jan 76

TAUROCHOLIC ACID

Some minimal effects of bile acid on canine gastric mucosa in Heidenhain pouches. Rees WD, et al. **Am J Dig Dis** 21(8):645–8, Aug 76

ADVERSE EFFECTS

[Proceedings: Cholestatic effect of sodium taurocholate (Na-Tc) in the rat in vivo] Herz R, et al.
Z Gastroenterol 14(2):240–1, Mar 76 **(Ger)**

ANALOGS & DERIVATIVES

Isolation of acidic conjugates by ion-pair extraction. II. Extraction of taurocholic acid derivatives. Fransson B, et al. **Acta Pharm Suec** 12(5–6):417–24, 1975

Proceedings: Influence of colipase and biliary salts on the digestion of triglycerides by pancreatic lipase. Vandermeers A, et al. **Arch Int Physiol Biochim** 84(1):193–5, Feb 76

Interactions of colipase with bile salt micelles. 1. Ultracentrifugation studies. Charles M, et al.
Eur J Biochem 58(2):555–9, 15 Oct 75

Effects of colipase and taurodeoxycholate on the catalytic and physical properties of pancreatic lipase B at an oil water interface. Momsen WE, et al. **J Biol Chem** 251(2):378–83, 25 Jan 76

Inhibition of pancreatic lipase B activity by taurodeoxycholate and its reversal by colipase. Momsen WE, et al. **J Biol Chem** 251(2):384–8, 25 Jan 76

ANTAGONISTS & INHIBITORS

Proceedings: Inhibition of aspirin and taurocholic acid-induced gastric mucosal bleeding by prostaglandin 15(R)15 methyl-E2 methyl ester. Carmichael HA, et al. **Gut** 16(10):822, Oct 75

METABOLISM

Convenient non-chromatographic assays for the microbial deconjugation and 7alpha-OH bioconversion of taurocholate. MacDonald IA, et al. **Appl Microbiol** 30(4):530–5, Oct 75

Investigations on the sodium dependence of bile acid fluxes in the isolated perfused rat liver. Dietmaier A, et al.
Biochim Biophys Acta 443(1):81–91, 4 Aug 76

The influence of (3H)taurocholate on the biliary excretion of (14C)acetylprocaine amide ethobromide. Kuo SH, et al.
Can J Physiol Pharmacol 53(5):888–94, Oct 75

The influence of dehydrocholate on hepatic uptake and biliary excretion of 3H-taurocholate and 3H-ouabain. Meijer DK, et al. **Drug Metab Dispos** 4(1):1–7, Jan–Feb 76

Uptake of taurocholic acid into isolated rat-liver cells. Schwarz LR, et al. **Eur J Biochem** 55(3):617–23, 15 Jul 75

PHARMACODYNAMICS

Effects of salicylate and bile salt on ion transport by isolated gastric mucosa of the rabbit. Fromm D, et al.
Am J Physiol 230(2):319–26, Feb 76

Effect of primary bile acids on bile lipid secretion from perfused dog liver. Hoffman NE, et al. **Am J Physiol** 229(3):714–20, Sep 75

Effect of bile acid on hepatic excretion and storage of bilirubin in ponies. Engelking LR, et al. **Am J Vet Res** 37(1):47–50, Jan 76

The effect of sodium taurocholate on biliary iodipamide excretion in the dog. Burgener FA, et al.
Gastroenterology 71(3):475–8, Sep 76

Proceedings: The effect of sodium taurocholate on the permeability of antral and fundic gastric mucosa. Birkett DH, et al. **Gut** 16(10):822–3, Oct 75

Proceedings: Role of histamine receptors in the pathophysiology of gastric mucosal damage. Rees WD, et al. **Gut** 17(5):388, May 76

The effect of sodium taurocholate on the permeability of antral and fundic gastric mucosa. Birkett DH, et al.
J Surg Res 20(3):157–61, Mar 76

Aldonate coupling, a simple procedure for the preparation of carbohydrate-protein conjugates for studies of carbohydrate-binding proteins. Lönngren J, et al.
Nahrung 20(1):661–9, 1976

Differentiation of beta-glucocerebrosidase from beta-glucosidase in human tissues using sodium taurocholate. Peters SP, et al. **Nahrung** 20(1):569–82, 1976

Effects of acute administration of taurocholic and taurochenodeoxycholic acid on biliary lipid excretion in the rat. Eaton DL, et al. **Proc Soc Exp Biol Med** 151(1):198–202, Jan 76

The effect of bile and of sodium taurocholate on the epithelial cell dynamics of the rat small intestine. Roy CC, et al.
Proc Soc Exp Biol Med 149(4):1000–4, Sep 75

[Effect of different bile acids on the secretion of biliary lipids in the rat (author's transl)] Valdivieso V, et al.
Rev Med Chil 103(10):657–9, Oct 75 (Eng. Abstr.) **(Spa)**

TAY-SACHS DISEASE see **AMAUROTIC FAMILIAL IDIOCY**

TDE see **DDD**

TEA

see related
THEOPHYLLINE

Letter: Fluoride and tea. Cook HA, et al. **Lancet** 1(7974):1419, 26 Jun 76

The mechanism of the inhibition of iron absorption by tea. Disler PB, et al. **S Afr J Med Sci** 40(4):109–16, 1975

ADVERSE EFFECTS

Sassafras and herb tea. Potential health hazards. Segelman AB, et al. **JAMA** 236(5):477, 2 Aug 76

Herbal intoxication. Psychoactive effects from herbal cigarettes, tea, and capsules. Siegel RK. **JAMA** 236(5):473–6, 2 Aug 76

Liver dysfunction and tea eating. Murphy KJ.
Med J Aust 2(11):428–9, 13 Sep 75

ANALYSIS

[Studies on tea. I. Contents of mercury, lead, and cadmium in tea leaves and tea decoctions (author's transl)] Feldheim W, et al. **Z Lebensm Unters Forsch** 159(5):293–6, 16 Dec 75 **(Ger)**

HISTORY

The Tea Controversy in Colonial America. Greden JF. **JAMA** 236(1):63–6, 5 Jul 76

METABOLISM

Terminal residues of the organophosphorus pesticides, malathion and dimethoate, in tea. pp. 131–6. Manchanda AH, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

TOXICITY

Letter: Tea toxicity. Gilbert RM. **JAMA** 236(13):1452, 27Sep 76

TEACHING

The more significant characteristics of the test of histological preparations. Gašpar S, et al.
Acta Univ Carol [Med] (Praha) 21(5–6):397–403, 1975

An adolescent suicide, the mass media and the educator. Garner HG. **Adolescence** 10(38):241–6, Summer 75

Attitudes of middle-class heroin abusers towards representatives of the educational system. Rathus SA, et al. **Adolescence** 11(41):1–6, Spring 76

Editorial: Some thoughts on teaching obstetrics and gynecology in a family practice program. Harris BA ..
Ala J Med Sci 13(2):133, Apr 76

The influence of supervision and facilitative conditions on the psychotherapeutic effectiveness of nonprofessional and professional therapists. Karlsruher AE.
Am J Community Psychol 4(2):145–54, Jun 76

Consultee-centered consultation with a teacher as a technique in behavior management. Meyers J.
Am J Community Psychol 3(2):111–21, Jun 75

Attractiveness as a biasing factor in teacher judgments. Ross MB, et al. **Am J Ment Defic** 80(1):96–8, Jul 75

Individuation and discrimination in the classroom. Lightfoot SL, et al. **Am J Orthopsychiatry** 46(3):401–15, Jul 76

Assessing the empathic potential of student teachers of the emotionally disturbed. Morgan SR.
Am J Orthopsychiatry 46(1):163–7, Jan 76

Teacher ratings of children vulnerable to psychopathology. Weintraub S, et al. **Am J Orthopsychiatry** 45(5):838–45, Oct 75

Presidential address: A clinical teacher looks at surgical education. Cressman RD. **Am J Surg** 132(2):141–3, Aug 76

An approach to teaching the introduction to clinical

medicine. Benbassat J, et al. **Ann Intern Med** 84(4):477–81, Apr 76
Teaching of primary care in an internal medicine residency program. Liang MH, et al. **Arch Intern Med** 136(8):893–6, Aug 76
Generalization to the classroom of principles of behavior modification taught to teachers. McKeown D Jr, et al. **Behav Res Ther** 13(2–3):85–92, Jun 75
Teaching psychologists to teach psychology: the improvement of teaching skills in health service professions. Hall JN, et al. **Br J Med Educ** 10(3):183–8, May 76
An approach to the supervision of paraprofessionals working with the mentally ill. Heijn C, et al. **Br J Med Psychol** 48(3):281–7, Sep 75
Letter: Trainer–teaching techniques. **Br Med J** 4(5993):407, 15 Nov 75
Letter: Trainer–teaching techniques. **Br Med J** 4(5992):348–9, 8 Nov 75
An experiment in teaching MEDLINE. Holian L, et al. **Bull Med Libr Assoc** 64(2):196–202, Apr 76
Supervision of psychotherapy with psychiatric residents. I model. Greben SE. **Can Psychiatr Assoc J** 21(3):141–4, Apr 76
Utilizing reflected countertransference Applying the reflection process as a teaching tool in supervision. Nadler RP. **Can Psychiatr Assoc J** 21(3):145–50, Apr 76
Effects of increased teacher support on young children's learning. Larsen JM. **Child Dev** 46(3):631–7, Sep 75
A group training program in behavior modification for mothers of children with birth defects: an exploratory study. Fishman CA, et al. **Child Psychiatry Hum Dev** 6(1):3–14, Fall 75
Responses of hyperactive boys to a behaviorally focused school attitude questionnaire. Loney J, et al. **Child Psychiatry Hum Dev** 6(3):123–33, Spring 76
Teaching nuns' perceptions of white and black pupils as a function of authoritarianism and other factors. Lessing EE, et al. **Community Ment Health J** 12(2):182–91, Summer 76
A brief program to upgrade the skills of community caregivers. Taynor J, et al. **Community Ment Health J** 12(1):13–9, Spring 76
On the process of becoming a psychotherapist: an outline of a core-curriculum for the teaching and learning of psychoanalytic psychotherapy. Ornstein PH, et al. **Compr Psychiatry** 17(1):177–90, Jan–Feb 76
Parents and professionals: a partnership in special education. Feldman MA, et al. **Except Child** 41(8):551–4, May 75
An analysis of teacher education programs in behavior disorders. Fink AH, et al. **Except Child** 42(1):47–8, Sep 75
Sex education—a cooperative effort of parent and teacher. Kempton W. **Except Child** 41(8):531–5, May 75
Training teachers for the severely and profoundly handicapped: a new frontier. Stainback S, et al. **Except Child** 42(4):203–10, Jan 76
Behavior modification: teacher training and attitudes. Stewart WA, et al. **Except Child** 42(7):402–3, Apr 76
Training toward understanding the total spectrum of human development. McKinsey ME. **Geriatrics** 30(11):120–6, Nov 75
Instructor age and the older learner. Rindskopf K, et al. **Gerontologist** 14(6):479–82, Dec 74
Symposium—the real world and the ivory tower. Dialectics of professional training, education, and delivery of services to elderly persons. Training of trainers to train trainers. Schaie KW. **Gerontologist** 14(6):533–5, Dec 74
Symposium—the real world and the ivory tower. Dialectics of professional training, education, and delivery of services to elderly persons. Response to training of trainers. Wilson AJ. **Gerontologist** 14(6):536–7, Dec 74
New techniques in the teaching of anesthesiology. pp. 592–3. Ravin MB.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
The potential of the nursing home in medical education. pp. 13–20. Kane RL.
In: Clark DW, Williams TF, ed. Teaching of chronic illness and aging. Bethesda, NIH, 1976. W1 FO116 v.2 1973.
Teaching about chronic illness and aging. pp. 1–11. Last JM.
In: Clark DW, Williams TF, ed. Teaching of chronic illness and aging. Bethesda, NIH, 1976. W1 FO116 v.2 1973.
The teaching of chronic illness and aging in home-care settings. pp. 33–44. Lawson IR.
In: Clark DW, Williams TF, ed. Teaching of chronic illness and aging. Bethesda, NIH, 1976. W1 FO116 v.2 1973.
A behavioral consultation program for parents and teachers of children with conduct problems. pp. 89–95. O'Leary KD, et al.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.
Training programme for teachers. Reddy V. **Indian Pediatr** 12(1):114, Jan 75
Some problems in the teaching of psychosomatic medicine. Lipsitt DR. **Int J Psychiatry Med** 6(1–2):317–29, 1975 (48 ref.)
Teaching psychosomatic medicine to medical students, residents and postgraduate fellows. Reichsman F. **Int J Psychiatry Med** 6(1–2):307–16, 1975
Teacher race, student race, and the Behavior Problem Checklist. Eaves RC. **J Abnorm Child Psychol** 3(1):1–9, 1975
Elective mutism in a first grader: the remediation of a complex behavioral problem. Griffith EE, et al. **J Abnorm Child Psychol** 3(2):127–34, 1975
The effect of a teacher's presence on the classroom behavior of conduct-problem children. Marholin D II, et al. **J Abnorm Child Psychol** 3(1):11–25, 1975
Relationships of children's grade in school, sex, and social class to teachers' ratings on the behavior problem checklist. Touliatos J, et al. **J Abnorm Child Psychol** 3(2):115–26, 1975
Conners' Teacher Rating Scale for use in drug studies with children—an empirical study. Werry JS, et al. **J Abnorm Child Psychol** 3(3):217–29, 1975
The supervision process for individual child psychotherapy. Schowalter JE, et al. **J Am Acad Child Psychiatry** 14(4):708–18, Autumn 75
Drug education: suggested guidelines for conducting an effective course for teachers. Floyd JD, et al. **J Am Coll Health Assoc** 24(1):15–9, Oct 75
Articulation training of two hearing-impaired girls. Bennett CW. **J Appl Behav Anal** 7(3):439–45, Fall 74
Teaching generative use of sentence answers to three forms of questions. Clark HB, et al. **J Appl Behav Anal** 8(3):321–30, Fall 75
The application of generalized correct social contingencies: an evaluation of a training program. Parsonson BS, et al. **J Appl Behav Anal** 7(3):427–37, Fall 74
Effects of teacher training. Mutter G. **J Can Dent Assoc** 42(2):78–9, Feb 76
Staff behaviour in pre-school centres. Tizard B, et al. **J Child Psychol Psychiatry** 17(1):21–33, Jan 76
The role of tutoring in problem solving. Wood D, et al. **J Child Psychol Psychiatry** 17(2):89–100, Apr 76
Windstorms and important persons: personality characteristics of black educators. Gynther MD, et al. **J Clin Psychol** 32(3):613–6, Jul 76
Judgments of educators and child-care personnel about appropriate treatment for mentally retarded or normal, overactive or withdrawn, boys. Morrison TL, et al. **J Clin Psychol** 32(2):449–52, Apr 76
Teacher-implemented behavior modification in a case of organically based epilepsy. Balaschak BA. **J Consult Clin Psychol** 44(2):218–23, Apr 76
Knowing, liking, and judged problem severity in relation to referral and outcome measures in school-based intervention program. Cowen EL, et al. **J Consult Clin Psychol** 44(3):317–29, Jun 76
Educational needs of dental faculty members. Saroff SA. **J Dent Educ** 39(8):515–6, Aug 75
Dermatology abroad: Switzerland. Tapernoux B. **J Dermatol Surg** 1(2):71, Jun 75
Sex role stereotypes and teacher evaluations. Harris MB. **J Educ Psychol** 67(6):751–6, Dec 75
Cognitive and personality characteristics of high school students as predictors of the way they are rated by their teachers: a longitudinal study. Laosa LM, et al. **J Educ Psychol** 67(6):866–72, Dec 75
Effects of discipline techniques on children's personality trait inferences. Rice WK Jr. **J Educ Psychol** 67(4):570–5, Aug 75
Effects of labeling as educable mentally retarded on teachers' expectancies for change in a student's performance. Yoshida RK, et al. **J Educ Psychol** 67(4):521–7, Aug 75
Letter: Multimedia instruction. Dahmer J. **J Med Educ** 50(11):1081–3, Nov 75
Letter: Faculty development. Irby DM, et al. **J Med Educ** 51(09):789, Sep 76
The effect on medical students of repetition of a physical examination routine. Klachko DM, et al. **J Med Educ** 51(8):670–2, AUG 76
Letter: Student evaluations. Palva IP. **J Med Educ** 51(3):215, Mar 76
Letter: What is a 'good' teacher? Parkerson GR Jr. **J Med Educ** 50(10):1000, Oct 75
The use of senior medical students as preceptors in freshman clinical science. Resnick PJ, et al. **J Med Educ** 51(09):763–5, Sep 76
Student evaluations of professors: are they of value? Rippey RM. **J Med Educ** 50(10):951–8, Oct 75
Letter: Evaluations. Rippey RM. **J Med Educ** 51(4):356–7, Apr 76
Letter: Faculty lecturing. Slotnick HB. **J Med Educ** 51(8):701, AUG 76
Letter: Evaluation of teaching. Wolkon GM, et al. **J Med Educ** 51(3):215, Mar 76
The teacher as a 'reinforcement machine' in the teaching–learning process. Mutzebaugh C, et al. **J Nurs Educ** 15(5):27–33, Sep 76
In-service teacher training in removable prosthodontics. Brundo GC. **J Prosthet Dent** 35(6):674–9, Jun 76
Dual counselor–teacher model accommodates student–state agency need. Miller JH, et al. **J Rehabil** 41(5):15–8, 40, 42, Sep–Oct 75
The effect of the teachers smoking behavior on their involvement in smoking education in the schools. Chen TL, et al. **J Sch Health** 45(8):455–61, Oct 75
Training public school teachers in population dynamics: An evaluation of the urban life-population education workshops in Baltimore. Fisher AA, et al. **J Sch Health** 46(6):357–60, Jun 76
Teacher–counselors as mental health intermediaries. Keith CR, et al. **J Sch Health** 46(4):226–9, Apr 76
A prevention program with punch—the national PTA's Alcohol education Project. Kimmel CK. **J Sch Health** 46(4):208–10, Apr 76
Alcohol education and the elementary school teacher. Lee EE. **J Sch Health** 46(5):271–2, May 76
Resolution of one's sexual self: an important first step for sexuality educators. Reed DA, et al. **J Sch Health** 46(1):31–4, Jan 76
Using a teacher's health observation form to evaluate school child health. Ritter AM. **J Sch Health** 46(4):235–7, Apr 76
Letter: Teaching of pathology. Wright DH. **Lancet** 1(7958):542, 6 Mar 76
Teacher participation in media centre development. Gresehover RS, et al. **Med Biol Illus** 24(3):135–6, Aug 74
Use of a video-cassette recorder for the assessment of teaching effectiveness. Hudson RJ, et al. **Med Biol Illus** 24(4):191–3, Nov 74
Evaluation of a cardiopulmonary resuscitation course for secondary schools retention study. Vanderschmidt H, et al. **Med Care** 14(2):181–4, Feb 76
A comparative study of teachers' attitudes in the teaching of undergraduate medical students. Davis RH, et al. **Med Educ** 10(4):255–9, Jul 76
Changing attitudes of medical teachers towards medical education. Gale J, et al. **Med Educ** 10(4):250–4, Jul 76
Teaching undergraduate paediatrics in a hospital casualty department. Dugdale AE. **Med J Aust** 2(13):513–5, 27 Sep 75
Effects of physical stigmata and labels on judgments of subnormality by preservice teachers. Aloia GF. **Ment Retard** 13(6):17–21, Dec 75
Efficacy of a college course for regular class teachers of the mildly handicapped. Shaw SF, et al. **Ment Retard** 13(4):3–6, Aug 75
Editorial: How to exclude mentally retarded children from school. Wolfensberger W. **Ment Retard** 13(6):30–1, Dec 75
Teacher doesn't always know best. Plachy RJ. **Mod Health Care** 5(5):64, May 76
Social system and clinical model in school identification of the educable retarded. Ashurst DI, et al. **Monogr Am Assoc Ment Defic** (1):150–63, 1973
Letter: The teaching of physical diagnosis. **N Engl J Med** 295(8):454, 19 Aug 76
Physicians, teachers and school health education. Vacalis TD, et al. **Nebr Med J** 61(2):48–53, Feb 76
The role of the nurse in patient education. Focus: the cardiac patient. Winslow EH. **Nurs Clin North Am** 11(2):213–22, Jun 76
Dynamics of teaching–learning interaction. Pugh EJ. **Nurs Forum** 15(1):47–58, 1976
An American nurse at the London Hospital. Sculco CD. **Nurs Outlook** 24(8):504–8, Aug 76
Faculty and student perceptions of effective classroom teaching in nursing. Dixon JK, et al. **Nurs Res** 25(4):300–5, Jul–Aug 76
Instructional change in health care education. Knopke HJ. **Nurs Res** 25(4):262–7, Jul–Aug 76
My friend Kashmir Kaur. Bentham IA. **Nurs Times** 72(17):665–6, 29 Apr 76
In the front line. Gaffin J. **Nurs Times** 71(50):1969, 11 Dec 75
Training for mature entrants: 2. Teaching. Hooper JE. **Nurs Times** 71(42):suppl:105–7, 16 Oct 75
Education—2. Teaching concepts and values, and learning to nurse. Sheahan J. **Nurs Times** 72(35):1366–8, 2 Sep 76
Methods of learning; planning for teaching. Sheahan J. **Nurs Times** 72(36):1405–7, 9 Sep 76
The Open University; opportunities for nurses. Strehlow MS. **Nurs Times** 72(36):1383, 9 Sep 76
New perspectives for nurse teachers. Watson MW. **Nurs Times** 72(37):suppl133–4, 16 Sep 76
Teachers' causal attributions for a child's hyperactivity: race, socioeconomic status, and typicalness. Calhoun ML. **Percept Mot Skills** 41(1):195–8, Aug 75
Personality differences among female student teachers of relatively high and low mental ability. White WF, et al. **Percept Mot Skills** 41(1):29–30, Aug 75
A behavioral consultation program for parents and teachers of children with conduct problems. O'Leary KD, et al. **Proc Am Psychopathol Assoc** (64):89–95, 1976
Classroom teachers as paraprofessional therpists in group systematic densensitization of test anxiety. Barabasz AF. **Psychiatry** 38(4):388–92, Nov 75
Some problems in faculty selection of patients for supervised psychoanalysis. Lazar ND. **Psychoanal Q** 45(3):416–29, Jul 76
Teaching–learning mechanisms in consumer health education. Rabinowitz HS, et al. **Public Health Rep** 91(3):211–7, May–Jun 76
Radiobiology and the role of the radiobiologist in the context of a teaching-oriented radiation oncology department. Baker DG. **Radiol Clin (Basel)** 44(6):579–86, 1975
Teaching English composition to radiologic technologists: You don't need to read Hamlet. Brehm VL. **Radiol Technol** 47(5):291–4, Mar–Apr 76
The who, why and how of radiology teaching files. Martin NL. **Radiology** 119(2):489–90, May 76
More effective devices for teaching undergraduate radiology. Squire LF, et al. **Radiology** 117(1):63–5, Oct 75
Interaction analysis of physical education classes. Nygaard G. **Res Q Am Assoc Health Phys Educ** 46(3):351–7, Oct 75
Comparison of the personality traits of female teacher education and physical education students. Widdop JH, et al. **Res Q Am Assoc Health Phys Educ** 46(3):274–81,

Oct 75
Counselor personality and supervisory styles. Ronnestad H. **Scand J Psychol** 17(1):56–60, 1976
On teaching about research in schizophrenia. Carpenter MD. **Schizophrenia Bull** 2(1):5–9, 1976
What should psychologists do? Graham C. **Spec Educ Forward Trends** 3(1):16, Mar 76
Modifying teachers' behaviour. Rosenberg H. **Spec Educ Forward Trends** 3(2):8–9, Jun 76
Multifactor evaluations of surgical trainees and teaching services. Albo D Jr, et al. **Surgery** 80(1):115–21, Jul 76
Letter: 'Teaching and the clinical situation'. Hall LW. **Vet Rec** 97(14):271–2, 4 Oct 75
[Role playing and training for individual psychotherapy: some disadvantages to avoid] De NEuter P. **Acta Psychiatr Belg** 75(6):920–6, 1975 (Eng. Abstr.) **(Fre)**
[Reflections on supervision problems in a team of psychotherapists] Desmedt D, et al. **Acta Psychiatr Belg** 75(6):809–17, 1975 (Eng. Abstr.) **(Fre)**
[Necessity of an individual formation of the pedagogical process] Kukura J, et al. **Aerztl Jugendkd** 66(5):431–2, Dec 75 **(Ger)**
[Health status of students in technical vocational schools (TVS) under the new teaching conditions] Nusbaum DC, et al. **Aerztl Jugendkd** 66(3):232–4, Sep 75 **(Ger)**
[Health education at the Hungarian teacher's colleges] Pajor G. **Aerztl Jugendkd** 66(3):274–6, Sep 75 **(Ger)**
[Personality studies on students of teacher's colleges with reference to their suitability for this profession] Szabó P, et al. **Aerztl Jugendkd** 66(3):243–5, Sep 75 **(Ger)**
[Pedagogics of the legasthenia. From the work of the Freiburg LRS classes and groups] Hassmann-Eichler G. **Hippokrates** 46(2):224–7, Jun 75 **(Ger)**
[Principles of educational psychology in university teaching as related to the education of medical students] Lüttge D, et al. **Med Welt** 26(24):1205–9, 13 Jun 75 **(Ger)**
[Cooperation with educators in medicine] Seehase U. **Med Welt** 26(33–34):1484–6, 22 Aug 75 **(Ger)**
[Training for professions in hygiene and teaching in public health laboratories (author's transl)] Husmann KH. **Oeff Gesundheitswes** 37(10):641–4, Oct 75 (Eng. Abstr.) **(Ger)**
[Pupils with learning and behavior disorders–results of a survey of teachers and special school teachers in an urban area in western Germany] Kluge KJ. **Prax Kinderpsychol Kinderpsychiatr** 24(8):297–301, Nov–Dec 75 (Eng. Abstr.) **(Ger)**
[Analysis of the feasibility of teaching handicapped and normal children together] Speck VO. **Prax Kinderpsychol Kinderpsychiatr** 25(2):52–7, Feb–Mar 76 (Eng. Abstr.) **(Ger)**
[Remarks on supervision] Frijling-Schreuder EC. **Psyche (Stuttg)** 30(2):125–45, Feb 76 **(Ger)**
[The personality of the teacher as a patient type in psychological diagnosis] Leuschner G. **Psychiatr Neurol Med Psychol (Leipz)** 27(9):529–33, Sep 75 (Eng. Abstr.) **(Ger)**
[Music therapy—therapeutic music pedagogy—teaching of music. An attempt at definition] Schwabe C. **Psychiatr Neurol Med Psychol (Leipz)** 26(12):705–13, Dec 74 (Eng. Abstr.) **(Ger)**
[Stress in school children in Basel and students' behavior as judged by the teacher] Meyer FF. **Soz Praeventivmed** 20(5):228, Sep–Oct 75 (Eng. Abstr.) **(Ger)**
[Problems of teachers with foreign-speaking children (author's transl)] Labhardt-Senn V. **Ther Umsch** 32(9):589–92, Sep 75 (Eng. Abstr.) **(Ger)**
[Language and social setting – experiment of an emancipatory language teaching (author's transl)] Wieler ER. **Ther Umsch** 32(9):593–8, Sep 75 (Eng. Abstr.) **(Ger)**
[Cooperation of physicians and teachers for the purpose of health education and health protection of youth] Gálffy E. **Z Gesamte Hyg** 20(12):908, Dec 74 (Eng. Abstr.) **(Ger)**
[Hygiene of the pedagogical process] Janda F. **Z Gesamte Hyg** 20(12):895–7, Dec 74 **(Ger)**
[Influence of teaching on the intellectual development of children] Krjukova AA, et al. **Z Gesamte Hyg** 20(12):905, Dec 74 (Eng. Abstr.) **(Ger)**
[Individual access to pupils during the pedagogical process] Kukura J, et al. **Z Gesamte Hyg** 20(11):809–12, Nov 74 (Eng. Abstr.) **(Ger)**
[Role of the pedagogical rhythm in schoolchildren, with special reference to environmental influences and effects of climatic factors] Puskás Z, et al. **Z Gesamte Hyg** 20(12):900–2, Dec 74 (Eng. Abstr.) **(Ger)**
[Status of health education in the system of pedagogical science] Székely L. **Z Gesamte Hyg** 21(9):702–4, Sep 75 (Eng. Abstr.) **(Ger)**
[Promoting the next generation of university teachers—a most significant activity of the German Dental Association] Matheis K, et al. **Zahnaerztl Mitt** 66(17):839–40, 1 Sep 79 **(Ger)**
[Adaptation of television system for teaching of microsurgery] Latkowski B, et al. **Otolaryngol Pol** 30(1):45–8, 1976 (Eng. Abstr.) **(Pol)**
[Editorial: Dissertation for the degree of an Associate Professor in Surgery] Nielubowicz J. **Pol Przegl Chir** 47(10):1167–72, Oct 75 **(Pol)**
[The place of radiology among modern clinical disciplines and the present problems connected with its teaching (author's transl)] Kaniowski T. **Pol Przegl Radiol** 40(2):75–80, Mar–Apr 76 **(Pol)**
[Effect of training the occupationally important physiological functions on the work capacity of vocational technical school students] Leonova LA. **Gig Sanit** (3):38–41, Mar 76 (Eng. Abstr.) **(Rus)**
[Effect of the study load and the duration of teaching in school on the physical development of children and adolescents] Shaposhnikov EA. **Gig Sanit** (3):86–9, Mar 76 **(Rus)**
[Teaching preventive sanitary inspection in the sanitary-hygiene department] Shevchenko AM, et al. **Gig Sanit** (5):71–2, May 76 **(Rus)**
[Physiological characteristics of the work of teachers with various forms of lecture activity] Riabova NV, et al. **Gig Tr Prof Zabol** (10):8–11, Oct 74 (Eng. Abstr.) **(Rus)**
[Experience in the organization of lectures on pedagogy in colleges for teachers in medical institutes] Palkin BN. **Sov Zdravookhr** (4):64–5, 1975 **(Rus)**
[Experience of work of the Department of Skin and Venereal Diseases of the I. M. Sechenova I Moscow Medical Institute with students of the faculty of postgraduate training for teachers at medical institutes] Babaiants RS, et al. **Vestn Dermatol Venerol** (8):55–8, Aug 75 **(Rus)**
[Principle of Party spirit in the teaching at a military medical faculty] Barashov NA, et al. **Voen Med Zh** (7):8–11, Jul 75 **(Rus)**
[Diurnal and annual dynamics of excretion of adrenaline and noradrenaline in high-school teachers] Karpenko AV. **Vrach Delo** (4):104–9, Apr 75 (Eng. Abstr.) **(Rus)**
[Socio-hygienic study of the state of health of high school teachers in Moscow] Kruchinina SS. **Zdravookhr Ross Fed** (5):11–4, May 76 **(Rus)**

HISTORY

[Teaching of the history of medicine in the USSR] Lyskanowski M. **Arch Hist Med (Warsz)** 38(3–4):361–4, 1975 **(Pol)**

MANPOWER

Hyperactivity is in the eyes of the beholder. An evaluation of how teachers view the hyperactive child. Johnson CF, et al. **Clin Pediatr (Phila)** 15(3):222–8, 223–8, Mar 76
Survey of manpower for research and teaching in neurosciences: concepts and issues. Shooter EM, et al. **Exp Neurol** 49(1 pt 2):33–59, Oct 75
[Evaluation of the dynamics of work capacity and of the functional state of the body in teachers of the primary grades in secondary schools] Doronkina EK. **Gig Tr Prof Zabol** (7):1–4, Jul 76 (Eng. Abstr.) **(Rus)**

METHODS

Cooperative relations between secondary teachers and students: some behavioral strategies. Jensen RE. **Adolescence** 10(40):469–82, Winter 75
For blacks, chicanos, Puerto Ricans and other minorities—the language experience approach to learning. Wells GL. **Adolescence** 10(39):409–18, Fall 75
Pediatric interviewing skills taught by nonphysicians. Helfer RE, et al. **Am J Dis Child** 129(9):1053–7, Sep 75
Simulations in drug training. Mandel HR. **Am J Drug Alcohol Abuse** 2(2):215–30, 1975
Use of the latent image technique to develop and evaluate problem-solving skills. Schwabbauer ML. **Am J Med Technol** 41(12):457–62, Dec 75
Comparison of two procedures for fostering the development of the object construct. Brassell WR, et al. **Am J Ment Defic** 80(5):523–8, Mar 76
Acquisition and retention of a mediational strategy for PA learning in EMR children. Burger AL, et al. **Am J Ment Defic** 80(5):529–34, Mar 76
Teaching styles of mothers and the match-to-sample performance of their retarded preschool-age- children. Filler JW Jr, et al. **Am J Ment Defic** 80(5):504–11, Mar 76
Modifying maternal teaching style: effects of task arrangement on the match-to-sample performance of retarded preschool-age-children. Filler JW Jr. **Am J Ment Defic** 80(6):602–12, May 76
Solving complex perceptual discrimination problems: techniques for the development of problem-solving strategies. Guralnick MJ. **Am J Ment Defic** 81(1):18–25, Jul 76
Transfer as a result of synthetic and analytic reading instruction. Vandever TR, et al. **Am J Ment Defic** 80(5):498–503, Mar 76
Multiple assignments-try them! Saxon J. **Am J Nurs** 75(12):2183–4, Dec 75
Improvement of faculty teaching performance in a department of obstetrics and gynecology by student evaluation. Sall S, et al. **Am J Obstet Gynecol** 124(3):217–21, 1 Feb 76
Methodology for teaching theory in occupational therapy basic professional education. Shapiro D, et al. **Am J Occup Ther** 30(4):217–24, Apr 76
Teaching dynamic psychotherapy by observation. Goin MK, et al. **Am J Psychother** 30(1):112–20, Jan 76
Promoting discovery as a teaching technique. Heffernan M. **Aust Fam Physician** 5(2):166–70, Mar 76
Decision rules for teaching strategies in primary schools: personality-treatment interactions. Trown EA, et al. **Br J Educ Psychol** 45(2):130–40, Jun 75
Teaching the teachers. Byrne PS, et al. **Br J Med Educ** 10(3):189–62, May 76
Case methods in teaching organization of medical care. Griffiths DA. **Br J Med Educ** 9(3):162–9, Sep 75
A teaching methods course in Manchester for general practitioner teachers. Harris CM, et al. **Br J Med Educ** 10(3):193–7, May 76
A method of teaching counselling. Long BE, et al. **Br J Med Educ** 10(3):198–204, May 76
Teaching interviewing skills to medical students: a comparison of two methods. Vaughan M, et al. **Br J Med Educ** 10(3):170–5, May 76
Pediatric diabetes: a new teaching approach. Leahey MD, et al. **Can Nurse** 71(10):18–20, Oct 75
'Paired reading' tuition: a preliminary report on a technique for cases of reading deficit. Morgan RT. **Child Care Health Dev** 2(1):13–28, Jan–Feb 76
Differential methods of enhancing cognitive growth in urban preschool children. Wilkinson JE, et al. **Child Care Health Dev** 2(1):1–11, Jan–Feb 76
The effects of training specific mnemonics on the metamnemonic efficiency of retarded children. Brown AL, et al. **Child Dev** 47(1):71–80, Mar 76
Effect of different training methods on perceptual learning in impulsive children. Zelniker T, et al. **Child Dev** 47(2):492–7, Jun 76
Helping teachers work with 'unteachable' children. Allard WG, et al. **Child Today** 4(5):15–6, Sep–Oct 75
Police training in domestic crises: a suburban approach. Walsh JA, et al. **Community Ment Health J** 11(3):301–6, Fall 75
Resident perception of psychotherapy supervision. Gale MS. **Compr Psychiatry** 17(1):191–4, Jan–Feb 76
Preventive mainstreaming: impact of a supportive services program on pupils. Cantrell RP, et al. **Except Child** 42(7):381–6, Apr 76
Using principles of behavior modification to teach behavior modification. Pascal CE. **Except Child** 42(8):426–30, May 76
Simulating age-related sensory impairments for practitioner education. Hickey T. **Gerontologist** 15(5 PT 1):457–63, Oct 75
A training scheme for resuscitation technique at Ullevål Hospital, Oslo, Norway. pp. 864–5. Lund I, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**
Professional short-term training as an approach to intervention. pp. 207–16. Foss G, et al. **In: Browning PL, ed. Rehabilitation and the retarded offender. Springfield, Ill., Thomas, 1976. WM 300 R345 1976.**
Flexibility in medical education. pp. 65–70. Bowles LT. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Staffing considerations. pp. 174–83. Griesen JV. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
The economic costs of flexible education in the health professions. pp. 143–56. Levin HM, et al. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Competency-based professional education. pp. 44–51. McGuire CH. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Flexible approaches to allied health education. pp. 98–104. McTernan EJ. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Implementation: challenges and constraints. pp. 212–6. Morris AL. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Individual differences and instructional strategies. pp. 13–27. Sagen HB. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Flexibility in nursing education. pp. 93–7. Torres G. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Multitrack instructional systems for the basic sciences. pp. 107–18. Trzebiatowski GL. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Flexible approaches to pharmacy education. pp. 83–92. Weaver LC, et al. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Placement, monitoring, and evaluation system. pp. 28–43. Whitney DR. **In: Jacobs, RM, ed. A flexible design for health professions education. New York, Wiley, 1976. W 18 I655f 1975.**
Letters to the editor: Can we make epidemiology more attractive to medical students? Saracci R. **Int J Epidemiol** 4(3):239–41, Sep 75
Group methods in parent education. Brocher T. **Int J Group Psychother** 25(3):315–21, Jul 75
A multimedia independent approach to learning. Stein RF. **Int J Nurs Stud** 12(4):185–96, 1975
Some detrimental effects of using extra stimuli to guide learning in normal and autistic children. Koegel RL, et al. **J Abnorm Child Psychol** 4(1):59–71, 1976
Notes on a method for teaching and learning the

psychoanalytic process. Dewald PA.
J Am Psychoanal Assoc 24(2):357–61, 1976

Alpha dynamics: a high school project. Rowlett LA.
J Am Soc Psychosom Dent Med 21(2):52–8, 1974

Developing generalized behavior–modification skills in high–school students working with retarded children. Gladstone BW, et al. **J Appl Behav Anal** 8(2):169–80, Summer 75

The effects of prompting question–asking upon on–task behavior and reading comprehension. Knapczyk DR, et al. **J Appl Behav Anal** 7(1):115–21, Spring 74

Letter: Teaching autistic children. Oppenheim RC.
J Autism Child Schizo 5(4):381–2, Dec 75

Mastery learning, minicourses and multimedia instruction in anatomy. Welser JR, et al. **J Biocommun** 1(2):8–15, Nov 74

The deaf child: controversy over teaching methods. Freeman RD. **J Child Psychol Psychiatry** 17(3):229–32, Jul 76 (15 ref.)

Self–instructional teaching of biostatistics for medical students. Robinson H, et al. **J Community Health** 1(4):249–55, Summer 76

Radiology self–teaching video–tape programs (RSVP) in a diagnostic radiology course. Berry HM Jr, et al.
J Dent Educ 40(3):147–9, Mar 76

Effect of student academic ability on learning from programed text, slide–tape, and lecture. Emling RC, et al.
J Dent Educ 40(2):86–9, Feb 76

Current teaching techniques in dental radiology: a survey of dental schools. Hake TH. **J Dent Educ** 40(9):622, Sep 76

Influence of instructional methods on student achievement and attitude in an introductory endodontic course. Kampfe LV, et al. **J Dent Educ** 40(8):556–8, Aug 76

The prelearned lecture: an innovation in presentation. Mather JG, et al. **J Dent Educ** 40(5):304–5, May 76

Experience with a self–instructional oral cancer course in continuing education. Melrose RJ, et al. **J Dent Educ** 40(3):150–3, Mar 76

Development and evaluation of a self–instructional program in endodontic diagnosis and treatment planning. Wolf SA, et al. **J Dent Educ** 40(6):366–7, Jun 76

Moral education in the primary grades: an evaluation of a developmental curriculum. Selman RL, et al.
J Educ Psychol 67(5):712–6, Oct 75

Reading achievement and creativity as related to open classroom experience. Ward WD, et al. **J Educ Psychol** 67(5):683–91, Oct 75

On becoming a student again. Caplan RM.
J Iowa Med Soc 66(1):7, Jan 76

Educating educators. **J Ky Med Assoc** 73(9):490, Sep 75

Teaching blood gases: an automated display. Bailey WC, et al. **J Med Educ** 51(7 Pt 1):598–9, Jul 76

Teaching problem–oriented recording: a systematic approach. Bashook PG, et al. **J Med Educ** 50(10):959–64, Oct 75

Oncology teaching: a multidisciplinary approach for second–year medical students. Elkort RJ, et al.
J Med Educ 50(10):980–1, Oct 75

The lecture: increasing student learning. Fiel NJ.
J Med Educ 51(6):496–9, Jun 76

Evaluation of a heart sound simulator in teaching cardiac auscultation. Harley A. **J Med Educ** 51(7 Pt 1):600–1, Jul 76

A simulation laboratory for medical education. Sajid A, et al. **J Med Educ** 50(10):970–5, Oct 75

Instant experience in clinical trials: a computer–aided simulation technique. Simpson MA. **J Med Educ** 51(6):510–2, Jun 76

An individualized course in clinical psychiatry. Sonnenberg LA, et al. **J Med Educ** 51(7 Pt 1):550–7, Jul 76

Teaching interviewing for pediatrics. Zakus GE, et al.
J Med Educ 51(4):325–31, Apr 76

PSI: an innovative approach to teaching nursing technologies. Donohue JD, et al. **J Nurs Educ** 15(4):7–12, Jul 76

A smile and eye contact may insult someone. Fire M, et al. **J Nurs Educ** 15(5):14–7, Sep 76

Individualizing teaching of students. Kellogg CJ.
J Nurs Educ 14(3):14–9, Aug 75

Are letter grades and modularized nursing programs compatible? Kochman AF. **J Nurs Educ** 15(3):25–7, May 76

An innovative teaching strategy for nursing education. O'Connor ME, et al. **J Nurs Educ** 14(4):9–15, Nov 75

Teaching research by the 'Tell', 'Show' and 'Do' process. Reed JC, et al. **J Nurs Educ** 15(1):18–20, Jan 76

The multiple assignment: an effective alternative for laboratory experiences. VanDenBerg EL. **J Nurs Educ** 15(3):3–12, May 76

Atreason to integrate: description of two elements within a nursing course. Zaweckis C. **J Nurs Educ** 15(3):13–9, May 76

Simultaneous and successive discrimination of similar letters: comparison of training techniques and transfer effects. Ralls EM, et al. **J Psychol** 90(Second Half):171–7, Jul 75

Learning about sex education from children (or, what kids want to know about sex and aren't afraid to ask. Mervis RM, et al. **J Sch Health** 46(4):229–31, Apr 76

Teaching the teachers. Byrne PS, et al. **Med Educ** 10(3):189–92, May 76

Teaching psychologists to teach psychology: the improvement of teaching skills in health service professions. Hall JN, et al. **Med Educ** 10(3):183–8, May 76

A teaching methods course in Manchester for general practitioner teachers. Harris CM, et al. **Med Educ** 10(3):193–7, May 76

A method of teaching counselling. Long BE, et al.
Med Educ 10(3):198–204, May 76

Self–instruction through reading: the Keller plan. Stoward PJ. **Med Educ** 10(4):316–26, Jul 76

Teaching interviewing skills to medical students: a comparison of two methods. Vaughan M, et al.
Med Educ 10(3):170–5, May 76

Evolution of modern teaching methods: tourner en rond. Stephens FO. **Med J Aust** 2(13):501–4, 27 Sep 75

Semantic considerations in the treatment of echolalia. Garber NB, et al. **Ment Retard** 13(5):8–11, Oct 75

Teaching TMR children and adults to dial the telephone. Leff RB. **Ment Retard** 13(3):9–11, Jun 75

Some research findings in association for application by teachers and parents. Phipps PM. **Ment Retard** 14(2):34–5, Apr 76

Opinions on teacher control techniques. Windell I, et al.
Ment Retard 14(2):30–3, Apr 76

The media center. Preparing a teleclass: a case study.
Nurs Outlook 23(!!):681, Nov 75

Teaching by testing. Chandler JM, et al. **Nurs Outlook** 24(6):368–8, Jun 76

Modules in child nursing instruction. Chinn PL, et al.
Nurs Outlook 23(10):650–3, Oct 75

The media center: Utilization techniques in the classroom. Koch H. **Nurs Outlook** 23(9):549, Sep 75

Designing teaching strategies. Lange CM. **Nurs Outlook** 24(4):224, Apr 76

Adapting media for independent study. Lange CM.
Nurs Outlook 24(9):546, Sep 76

The external degree in nursing: the promise fulfilled. Lenburg CB. **Nurs Outlook** 24(7):422–9, Jul 76

The case method in nurse practitioner education. O'Connell AL, et al. **Nurs Outlook** 24(4):243–6, Apr 76

Teaching distributive nursing. Schenk K. **Nurs Outlook** 24(9):574–7, Sep 76

Reflections of an external degree graduate. Woodward ES. **Nurs Outlook** 24(7):429–32, Jul 76

Comparing the body–systems and conceptual approaches to nursing education. Schoen DC. **Nurs Res** 24(5):383–7, Sep–Oct 75

The Open University; self–instruction in professional education. Lee CM. **Nurs Times** 72(36):1386–8, 9 Sep 76

A survey of dental radiology evaluation in American dental schools. Ciola B. **Oral Surg** 42(2):249–54, Aug 76

Two types of feedback in teaching swimming skills to handicapped children. Fueyo V, et al.
Percept Mot Skills 40(3):963–6, Jun 75

On parallel processes in therapy and teaching. Sachs DM, et al. **Psychoanal Q** 45(3):394–415, Jul 76

Contingencies of therapist and trainer performance: a review. Loeber R, et al. **Psychol Bull** 82(5):660–88, Sep 75 (161 ref.)

Teaching nonprofessionals three techniques to modify children's behavior. Talbert EE, et al. **Psychol Rep** 37(3 PT 2):1243–52, Dec 75

The clinical case method in teaching comprehensive approaches to illness behavior. Kimball CP.
Psychosom Med 37(5):454–67, Sep–Oct 75

Guidelines for making health education work. Grover PL Jr, et al. **Public Health Rep** 91(3):249–53, May–Jun 76

A rationale for behavioral objectives in the teaching of radiologic technology. Belica MJ. **Radiol Technol** 47(5):306–8, Mar–Apr 76

Teaching about schizophrenia. Rieder RO.
Schizophrenia Bull (9):5–9, Summer 74

[The teaching of medical parasitology by means of a bloc course with various methods and means] Meuleman EA, et al. **Ned Tijdschr Geneeskd** 120(26):1125–32, 26 Jun 76 (Eng. Abstr.) **(Dut)**

[Letter: The practice examination: a classical but effienient teaching method] Cabanac M, et al. **Nouv Presse Med** 5(5):275–6, 31 Jan 76 **(Fre)**

[Comparative studies on the teaching of oral pathology] Mittermayer C, et al. **Dtsch Zahnaerztl Z** 31(7):580–4, Jul 76 (Eng. Abstr.) **(Ger)**

[Team work—how does it work?] Dahmer J. **Med Welt** 27(30):1449–54, 23 Jul 76 **(Ger)**

[Teamwork—how does it work] Dahmer J. **Med Welt** 27(31):1481–8, 30 Jul 76 **(Ger)**

[Physicians' discussions centered on conflict. Experience with a didactic group model with students (author's transl)] Elhardt S. **Munch Med Wochenschr** 117(32–33):1309–12, 8 Aug 75 (Eng. Abstr.) **(Ger)**

[Elements in optimizing the instructional process in a department of human anatomy] Mel'man EP, et al.
Arkh Anat Gistol Embriol 69(9):95–9, Sep 75 **(Rus)**

[Continuity in the teaching of chemical disciplines at pharmaceutical institutes] Belikov VG. **Farmatsiia** 24(6):52–7, Nov–Dec 75 **(Rus)**

[Teaching of analytical chemistry at pharmaceutical schools] Kramarenko VF. **Farmatsiia** 24(6):57–60, Nov–Dec 75 **(Rus)**

[Teaching of pharmacology at pharmaceutical institutes] Kudrin AN. **Farmatsiia** 24(6):63–8, Nov–Dec 75 **(Rus)**

[Content and method of teaching pharmacognosy] Murav'eva DA. **Farmatsiia** 24(2):72–4, Mar–Apr 75 **(Rus)**

[Teaching of pharmaceutical chemistry in institutes] Turkevich NM. **Farmatsiia** 24(6):60–3, Nov–Dec 75 **(Rus)**

[Psychophysiological justification for a differentiated approach to teaching at auxiliary boarding schools] Isaev DN, et al. **Gig Sanit** (1):29–33, Jan 76 (Eng. Abstr.) **(Rus)**

[Organizational and methodological principles for holding lecture series by assistant professors and seminars by heads of departments in teacher improvement departments] Rumiantsev GI, et al. **Gig Sanit** (4):45–7, Apr 76 **(Rus)**

[Participation of the faculty of social hygiene and the organization of public health in ideological–teaching work with students] Grinina OV, et al. **Sov Zdravookhr** (11):53–6, 1975 (Eng. Abstr.) **(Rus)**

[Tutorship is an effective method of training young specialists] Bogomolov SA, et al. **Voen Med Zh** (6):9–13, Jun 76 **(Rus)**

[Characteristics of teaching surgery on a military medical faculty] Ermolaev VR. **Voen Med Zh** (10):12–4, Oct 75 **(Rus)**

[Teaching young surgeons during the period of field studies] Novikov FG. **Voen Med Zh** (5):53, 1976 **(Rus)**

[Teaching with visual aids in the system of special training of medical staff and of the military medical training of troops] Shluger NA. **Voen Med Zh** (11):13–6, Nov 75 **(Rus)**

[Role of simulation in treating medical triage problems] Sorokin PV, et al. **Voen Med Zh** (11):16–7, Nov 75 **(Rus)**

Experience in the teaching of military epidemiology at a military medical department] Zolochevskii MA, et al.
Voen Med Zh (5):15–8, 1976 **(Rus)**

[Innovations in the teaching of psychiatry] Zambrano E.
Acta Psiquiatr Psicol Am Lat 21(2):112–7, Jun 75 **(Spa)**

STANDARDS

A radical proposal: the advantages of remaining with one teacher for several years in the early grades. Bernstein BE.
Child Psychiatry Hum Dev 6(1):55–6, Fall 75

Teaching and advising competencies of special education professors. Ingram CF, et al. **Except Child** 42(2):85–93, Oct 75

A model for the improvement of medical faculty lecturing. Irby D, et al. **J Med Educ** 51(5):403–9, May 76

Editorial: Teaching the teachers. **J R Coll Gen Pract** 24(146):589–90, Sep 74

Evaluation of the use of syllabi in teaching. Spilman HW, et al. **Mt Sinai J Med NY** 43(1):43–7, Jan–Feb 76

[Goals and tasks in refresher improvement of teacher qualifications in the pharmaceutical disciplines] Senov PL, et al. **Farmatsiia** 25(1):59–61, Jan–Feb 76 **(Rus)**

[Improve the teaching of clinical diagnosis] Lenets IA.
Veterinariia (11):95–8, Nov 75 **(Rus)**

TEACHING MATERIALS

Action–concept learning in retarded children using photographic slides, motion pictures, sequences, and live demonstrations. Stephens WE, et al. **Am J Ment Defic** 80(3):277–80, Nov 75

Hold the hardware: the use and abuse of tapes in clinical teaching and learning. Cooper S. **Am J Orthopsychiatry** 45(4):573–9, Jul 75

A teaching aid to venous and arterial pressure monitoring. Gilston A. **Anaesthesia** 31(4):554–5, May 76

Letter: flow sheet for the interpretation of the fluorescein angiograms. Schatz H. **Arch Ophthalmol** 94(4):687, Apr 76

A teaching pointer for indirect ophthalmoscopy. Wilson RS.
Arch Ophthalmol 94(2):317, Feb 76

Storyboarding – a teaching tool. Dubin G, et al.
Can Nurse 72(6):42–4, Jun 76

A teaching model for bronchoscopy. King EG, et al.
Chest 70(1):72–3, Jul 76

A multimedia independent approach to learning. Stein RF.
Int J Nurs Stud 12(4):185–96, 1975

Patient simulators and medical models. Gosling CG, et al.
J Biocommun 1(1):17–22, Jun 74

The self–instructional materials project: progress and prospects. Johnson RB, et al. **J Biocommun** 2(1):17–21, Mar 75

Super–8 versus 16mm films for medical research, education and health care. Klosevych S. **J Biol Photogr Assoc** 43(4):168–86, Oct 75

Evaluation of instructional materials for teaching psychomotor skills. Gale MA, et al. **J Dent Res** 55(2):196–201, Mar–Apr 76

The Gamut approach to scintigram interpretation—diagnostic aid and teaching method. Holder LE, et al. **J Nucl Med** 16(12):1121–4, Dec 75

New aids for instruction. Beyrer MK. **J Sch Health** 45(8):475–7, Oct 75

New aids for instruction. Beyrer MK. **J Sch Health** 46(2):110–3, Feb 76

Sex — role stereotyping in elementary school health education textbooks. Shirreffs JH. **J Sch Health** 45(9):519–23, Nov 75

A training aid for audiometry practice. Kettlety A.
Med Biol Eng 12(2):214–20, Mar 74

A synergistic approach to organising educational support services in medical schools—the Malaysian experience. Teoh ST. **Med Biol Illus** 25(4):193–8, Nov 75

The Shannon State School and Hospital Simulator: simulation materials for superintendents and other management personnel. Garove WE, et al. **Ment Retard** 13(3):32–5, Jun 75

Instructional materials for severely/profoundly retarded

learners. Roberts B. **Ment Retard** 14(3):39–42, Jun 76
The media center: Utilization techniques in the classroom. Koch H. **Nurs Outlook** 23(9):549, Sep 75
The media center: Autotutorial instruction. Koch HB. **Nurs Outlook** 23(10):619, Oct 75
Designing teaching strategies. Lange CM. **Nurs Outlook** 24(4):224, Apr 76
Stimulating faculty involvement. Lange CM. **Nurs Outlook** 24(5):290, May 76
Faculty rewards. Lange CM. **Nurs Outlook** 24(7):415, Jul 76
Modifying media for individual instruction. Lange CM. **Nurs Outlook** 24(8):477, Aug 76
A broad perspective on health: a teaching-learning tool. Milio N. **Nurs Outlook** 24(3):160–3, 1 Mar 76
Slide sequences as a teaching aid. Hackshaw SM, et al. **Nurs Times** 71(42):suppl:ix–x, 16 Oct 75
A new approach to learning: the mobile teaching unit. Rollo J. **Nurs Times** 72(36):suppl:130–2, 9 Sep 76
The diagnostic correlator: an endodontic teaching device. Schulz J, et al. **Oral Surg** 40(4):537–47, Oct 75
Teaching aid for mobilisation of the spine. Marshall CM. **Physiotherapy** 60(9):277, Sep 74
A simple method for producing graph or text lecture slides. Parry RG, et al. **Plast Reconstr Surg** 57(6):751–2, Jun 76
A teaching file, using 10 X 10 cm format copies. Mulder JD, et al. **Radiol Clin (Basel)** 45(2–4):336–42, 1976
The who, why and how of radiology teaching files. Martin NL. **Radiology** 119(3):745–6, Jun 76
Introducing the Charlton tutor. Nicol E, et al. **Spec Educ Forward Trends** 2(1):13–4, Mar 75
Living language for deaf pupils. Wollman D, et al. **Spec Educ Forward Trends** 2(4):11–2, Dec 75
[A new extraction phantom model for clinical teaching] Westermann W, et al. **Dtsch Zahnaerztl Z** 30(7):473–4, Jul 75 **(Ger)**
[Experiences with the pelvic teaching model 'Ginny' (author's transl)] Schindler AE. **Geburtshilfe Frauenheilkd** 35(7):544–6, Jul 75 (Eng. Abstr.) **(Ger)**
[Andro-urological phantom (a.u.p.). Proposal for a phantom for exercises on bladder catheterization, prostatic palpation within the frame of the early diagnosis of cancer, for prostatic-punctures and further urological methods] Hackmann H. **Z Allgemeinmed** 51(27):1204–6, 30 Sep 75 **(Ger)**
[New practical studies with students on the problem of 'thrombosis'] Pomerantseva EN, et al. **Patol Fiziol Eksp Ter** (4):89, Jul–Aug 75 **(Rus)**
[Manufacture of cardio-vascular preparations] Moiseev ON. **Veterinariia** (6):112–4, Jun 75 **(Rus)**

STANDARDS

Instructional packaging. Layton J. **J Nurs Educ** 14(4):26–30, Nov 75

UTILIZATION

Securing funding. Lange CM. **Nurs Outlook** 24(6):351, Jun 76

TEAR GASES

[Eye injuries caused by tear-gas weapons] Oksala A, et al. **Duodecim** 91(11):719–24, 1975 (Eng. Abstr.) **(Fin)**

ADVERSE EFFECTS

[Skin damages due to tear gas] Kleine-Natrop HE, et al. **Dermatol Monatsschr** 161(8):678–80, Aug 75 **(Ger)**

METABOLISM

[Lacrimators as acceptors for NADH] Wallenfels K, et al. **Naturwissenschaften** 62(10):459–67, Oct 75 (Eng. Abstr.) **(Ger)**

TEARS

Deposition of substances within hydrophilic lenses. Hilbert J, et al. **Am J Optom Physiol Opt** 53(2):51–4, Feb 76
The relief of epiphora by conjunctivorhinostomy. Long RD. **J Small Anim Pract** 16(6):381–6, Jun 75
[Dry eyes in the general ophthalmic clinic] Scherf J, et al. **Harefuah** 89(11):505–10, 1 Dec 75 (Eng. Abstr.) **(Heb)**

ANALYSIS

Identification of a nonlysozymal bactericidal factor (beta lysin) in human tears and aqueous humor. Ford LC, et al. **Am J Ophthalmol** 81(1):30–3, Jan 76
Human tear cholesterol levels. Hill RM, et al. **Arch Ophtalmol (Paris)** 36(2):155–60, Feb 76
Human tear pH. Diurnal variations. Carney LG, et al. **Arch Ophthalmol** 94(5):821–4, May 76
Genetic polymorphism of human anodal tear protein. Azen EA. **Biochem Genet** 14(3–4):225–35, Apr 76
Estimation of the amount of tears present in the conjunctival cul-de-sac of normal non trachomatous Egyptian eyes using a modified Schirmer's test. Gawdat I. **Bull Ophthalmol Soc Egypt** 68:611–6, 1975
The glycoprotein (mucus)content of tears from normals and dry eye patients. Dohlman CH, et al. **Exp Eye Res** 22(4):359–65, Apr 76
Sialic acid in rabbit lacrimal gland fluid. Kreuger J, et al. **Invest Ophthalmol** 15(6):479–81, Jun 76
Glucorrhea revisited. Prolonged promulgation of another plastic pearl. Hull HF, et al. **JAMA** 234(10):1052–3, 8 Dec 75
[Tear proteins—low molecular proteins and lysozyme (author's transl)] Mukai M. **Acta Soc Ophthalmol Jpn** 79(7):607–13, 10 Jul 75 (Eng. Abstr.) **(Jpn)**
[Chemical nature of lachrymal products in the dolphin Tursiops truncatus] Uskova ET, et al. **Zh Evol Biokhim Fiziol** 11(4):371–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

[Prognostic significance of the lacrimal cytogram after keratoplasty] Hatvani I. **Cesk Oftalmol** 32(2):84–7, Mar 76 (Eng. Abstr.) **(Cze)**

DRUG EFFECTS

Effect of benzalkonium chloride on the stability of the precorneal tear film in rabbit and man. Wilson WS, et al. **Br J Ophthalmol** 59(11):667–9, Nov 75
The instilled fluid dynamics and surface chemistry of polymers in the preocular tear film. Benedetto DA, et al. **Invest Ophthalmol** 14(12):887–902, Dec 75 (29 ref.)
Letter: Metronidazole in tear staining. Filipek ME, et al. **Vet Rec** 98(26):534, 26 Jun 76

ENZYMOLOGY

Identification of Tay-Sachs by hexosaminidase analysis of urine and tear samples. Saifer A, et al. **Adv Exp Med Biol** 68:339–66, 1976
A comparison of enzyme reagent strip tests for lacrimal glucose. Daubs JG. **Am J Optom Physiol Opt** 53(5):232–5, May 76
Mail screening for inborn errors of metabolism with tears. Cotlier E, et al. **Birth Defects** 12(3):105–14, 1976
Diagnosis of inherited enzymatic deficiencies with tears: Fabry disease. Del Monte MA, et al. **Birth Defects** 12(3):209–19, 1976 (25 ref.)
The use of conjunctival biopsy and enzyme analysis in tears for the diagnosis of homozygotes and heterozygotes with Fabry disease. Libert J, et al. **Birth Defects** 12(3):221–39, 1976
Quantitative tear lysozyme assay in units of activity per microlitre. Mackie IA, et al. **Br J Ophthalmol** 60(1):70–4, Jan 76
Tear fluid lysozyme concentration: guide to practolol toxicity. Mackie IA, et al. **Br Med J** 4(5999):732, 27 Dec 75
Fabry disease: diagnosis by alpha-galactosidase activities in tears. Johnson DL, et al. **Clin Chim Acta** 63(1):81–90, 18 Aug 75
Amylase in human tear fluid: origin and characteristics, compared with salivary and urinary amylases. Van Haeringen NJ, et al. **Exp Eye Res** 21(4):395–403, Oct 75
The origin of some enzymes in tear fluid, determined by comparative investigation with two collection methods. van Haeringen NJ, et al. **Exp Eye Res** 22(3):267–72, Mar 76
Fucosidosis: ultrastructural study of conjunctiva and skin and enzyme analysis of tears. Libert J, et al. **Invest Ophthalmol** 15(8):626–39, Aug 76
[Quantitative determination of antiproteinases in human tears (author's transl)] Zirm M, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(1):89–94, 16 Jan 76 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Tissue, tear, and serum IgE concentrations in vernal conjunctivitis. Allansmith MR, et al. **Am J Ophthalmol** 81(4):506–11, Apr 76
Immunoglobulins in tears of normal Indian people. Sen DK, et al. **Br J Ophthalmol** 60(4):302–4, Apr 76

METABOLISM

Binding of sulfisoxazole to protein fractions of tears. Chrai SS, et al. **J Pharm Sci** 65(3):437–9, Mar 76

MICROBIOLOGY

Cytomegalovirus in tears from patients with normal eyes and with acute cytomegalovirus chorioretinitis. Cox F, et al. **Am J Ophthalmol** 80(5):817–24, Nov 75

PHYSIOLOGY

Oxygen tension under a soft or hard, gas-permeable contact lens in the presence of tear pumping. Fatt I, et al. **Am J Optom Physiol Opt** 53(3):104–11, Mar 76
A lubrication theory model of tear exchange under a soft contact lens. Hayashi T, et al. **Am J Optom Physiol Opt** 53(3):101–3, Mar 76
[Study of tear flow using radioactive isotope (author's transl)] Murai Y. **Acta Soc Ophthalmol Jpn** 79(10):1405–13, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

SECRETION

Lid taping in the preoperative management of tearing or asthenopia. Miller GR, et al. **Arch Ophthalmol** 94(8):1289–90, Aug 76
Hereditary congenital alacrima. Mondino BJ, et al. **Arch Ophthalmol** 94(9):1478–84, Sep 76
Letter: Decreased lacrimation and amyotrophic lateral sclerosis. Patten JT. **JAMA** 231(1):24, 6 Jan 75
Letter: Fine cotton thread method of lacrimation. Kurihashi K. **Lancet** 2(7985):587–8, 11 Sep 76
Schirmer's test: its normal values and clinical significance. Gontier J, et al. **ORL** 38(1):1–10, 1976
Alacrima. O'Driscoll TG. **Trans Ophthalmol Soc UK** 95(1):13–4, Apr 75
[Variations of the lacrymal sécrétion during long range flight) (author's transl)] Boissin JP, et al. **Bull Soc Ophtalmol Fr** 75(7–8):761–3, Jul–Aug 75 **(Fre)**

TECHNETIUM

Letter: vial retention of technelium-99m sulfur colloid. Kauula MP. **Am J Hosp Pharm** 33(4):317–21, Apr 76
Bone-imaging and semiconductor probe measurements of technetium-99m-polyphosphate in the detection of periapical pathology in the dog. Garcia DA, et al. **Arch Oral Biol** 21(3):167–74, 1976
Sodium pertechnetate as a red cell label: in vitro and in vivo studies. Schmidt P, et al. **Br J Haematol** 32(3):411–20, Mar 76
A new stannous agent kit for labelling red blood cells with 99TCM and its clinical application. Ducassou D, et al. **Br J Radiol** 49(580):344–7, Apr 76
Noninvasive quantitation of myocardial infarction with technetium 99m pyrophosphate. Botvinick EH, et al. **Circulation** 52(5):909–15, Nov 75
Evaluation and dosimetry of a 99mTc-Sn-MAA lung imaging agent in humans. Robbins PJ, et al. **Health Phys** 30(2):173–8, Feb 76
An investigation of the plutonium content in fission product 99Mo-99mTc generators. Sodd VJ, et al. **Health Phys** 29(3):425–7, Sep 75
Fission product 99mTc generator. Arino H, et al. **Int J Appl Radiat Isot** 26(5):301–3, May 75
99mTc(Sn) phosphocreatine: labeling characteristics and biological distribution. Castronovo FP Jr, et al. **Int J Appl Radiat Isot** 27(2):93–6, Feb 76
The influence of experimental conditions on the efficiency of labeling human serum albumin with 99mTc, using Sn(II) as the reductant. de Ligny CL, et al. **Int J Appl Radiat Isot** 27(7):351–6, Jul 76
Electrolytical labeling of 99mTc radiopharmaceuticals. Gil MC, et al. **Int J Appl Radiat Isot** 27(2):69–72, Feb 76
Preparation and in vitro properties of 99mTc-fibrinogen. Harwig JF, et al. **Int J Appl Radiat Isot** 27(1):5–13, Jan 76
The role of ascorbic acid with the ferric ion in labelling human serum albumin with 99Tc. Yokoyama A, et al. **Int J Appl Radiat Isot** 26(5):291–9, May 75
A method for preparing MAA particles of narrow size distribution: preparation of kit vials containing fixed numbers of particles. Domer NS, et al. **Int J Nucl Med Biol** 2(2):72–4, Mar 75
Long-lived radionuclide impurities in eluates from molybdenum-technetium generators and the associated absorbed dose to the patient. Finck R, et al. **Int J Nucl Med Biol** 3(2):89–97, Apr 76
Leukocyte labeling with technetium-99m. Glenn HJ, et al. **Int J Nucl Med Biol** 3(1):9–15, Jan 76
A comparison of four techniques for labeling albumin microspheres with technetium-99m. Mayron LW, et al. **Int J Nucl Med Biol** 2(2):74–80, Mar 75
An alternate approach to the preparation of 99mTc-sulfur colloid. Noronha OP, et al. **Int J Nucl Med Biol** 2(4):184–5, Oct 75
An analysis of factors which influence the local accumulation of bone-seeking radiopharmaceuticals. Garnett ES, et al. **Invest Radiol** 10(6):564–8, Nov–Dec 75
Unusual metalloporphyrin complexes of rhenium and technetium. Tsutsui M, et al. **J Am Chem Soc** 97(14):3952–65, 9 Jul 75
Pathophysiology of technetium-99m stannous pyrophosphate and thallium-201 scintigraphy of acute anterior myocardial infarcts in dogs. Buja LM, et al. **J Clin Invest** 57(6):1508–22, Jun 76
Proceedings: Measurement of plasma volume using human serum albumin labelled with technetium. Holroyd AM, et al. **J Clin Pathol** 28(9):756–7, Sep 75
A study of bone scintigraphy using technetium 99 m pyrophosphate and scintillation camera in patients with known neoplasms. Chen CC. **J Formosan Med Assoc** 74(12):767–74, Dec 75
MIRD/Dose Estimate Report No. 8. Summary of current radiation dose estimates to normal humans from 99mTc as sodium pertechnetate. **J Nucl Med** 17(1):74–7, Jan 76
Bone accumulation of 99mTc-labeled leucocytes. Bagwe BA, et al. **J Nucl Med** 17(4):313–6, Apr 76
Technetium-99m labeling by means of stannous pyrophosphate: application to bleomycin and red blood cells. Bardy A, et al. **J Nucl Med** 16(5):435–7, May 75
Contamination from 131I, 103Ru, and 239Np in the eluate of 99Mo-99mTc generators loaded with (n, gamma)-produced 99Mo. Billinghurst MW, et al. **J Nucl Med** 17(9):840–3, Sep 76
Technetium-99m-human serum albumin: evaluation of a commercially produced kit. Callahan RJ, et al. **J Nucl Med** 17(1):47–9, Jan 76
Rapid determination of oxidation state of unbound 99mTc and labeling yield in 99mTc-labeled radiopharmaceuticals. Colombetti LG, et al. **J Nucl Med** 17(9):805–9, Sep 76
Letter: Chemical state of technetium in vivo. Eckelman WC. **J Nucl Med** 17(5):421–2, May 76

Technetium-99m-sulfur colloid and pertechnetate blood pool scans in hepatic veno-occlusive disease: case report. Fitzer PM. **J Nucl Med** 16(12):1130-1, Dec 75

Letter: Technetium labeling of streptokinase at low pH. Hale TI. **J Nucl Med** 17(3):226-7, Mar 76

Letter: Preparation of 99mTc-fibrinogen. Harwig SS, et al. **J Nucl Med** 17(02):151-3, Feb 76

Tagging of iron oxide particles with 99mTc for use in the study of deposition and clearance of inhaled particles. Hass FJ, et al. **J Nucl Med** 17(02):122-5, Feb 76

Letter: Toxicity of 99mTc-Sn-EHDP. Hattner RS. **J Nucl Med** 16(5):444-5, May 75

Time course of 99mTc(Sn)-tetracycline uptake in experimental acute myocardial infarction. Holman BL, et al. **J Nucl Med** 16(12):1144-6, Dec 75

Letter: Behavior of 99mTc-labeled diphonate on Sephadex and Bio-gel. Johannsen B. **J Nucl Med** 16(11):1087-9, Nov 75

Letter: Lung retention of 99mTc-sulfur colloid. Kristensen K, et al. **J Nucl Med** 16(5):439-41, May 75

Technetium-99m-pyridoxylideneglutamate, a new agent for gallbladder imaging: comparison with 131I-rose bengal. Kubota H, et al. **J Nucl Med** 17(1):36-9, Jan 76

Development of new radiopharmaceuticals based on N-substitution of iminodiacetic acid. Loberg MD, et al. **J Nucl Med** 17(7):633-8, Jul 76

Chemistry of 99mTc tracers. II. In vitro conversion of tagged HEDP and pyrophosphate (bone-seekers) into gluconate (renal agent). Effects of Ca and Fe (ii) on in vivo distribution. McRae J, et al. **J Nucl Med** 17(3):208-11, Mar 76

Tumor imaging after administration of 99mTc-labeled bleomycin. Mori T, et al. **J Nucl Med** 16(5):414-22, May 75

Evaluation of labeling procedures and in vivo stability of 99mTc-red blood cells. Ryo UY, et al. **J Nucl Med** 17(02):133-6, Feb 76

A simple kit for the preparation of 99mTc-labeled red blood cells. Smith TD, et al. **J Nucl Med** 17(02):126-32, Feb 76

Letter: Chemical state of technetium in vivo. Steigman J. **J Nucl Med** 17(5):423-4, May 76

Measurement of acute myocardial infarcts in dogs with 99mTc-stannous pyrophosphate scintigrams. Stokely EM, et al. **J Nucl Med** 17(1):1-5, Jan 76

Technetium-99m-labeled stannous imidodiphosphate, a new radiodiagnostic agent for bone scanning: comparison with other 99mTc complexes. Subramanian G, et al. **J Nucl Med** 16(12):1137-43, Dec 75

In vitro stabilization of a low-tin bone-imaging agent (99mTc-Sn-HEDP) by ascorbic acid. Tofe AJ, et al. **J Nucl Med** (9):820-5, Sep 76

In vitro studies of leukocyte labeling with technetium-99m. Uchida T, et al. **J Nucl Med** 17(8):730-6, Aug 76

Technetium-99m-human fibrinogen. Wong DW, et al. **J Nucl Med** 16(5):343-7, May 75

Technetium-99m-kethoxal-bis(thiosemicarbazone), an uncharged complex with a tetravalent 99mTc state, and its excretion into the bile. Yokoyama A, et al. **J Nucl Med** 17(9):816-9, Sep 76

Preparation of a chemically characterized 99mTc-penicillamine complex. Yokoyama A, et al. **J Nucl Med** 17(9):810-5, Sep 76

Peripheral joint scanning with technetium pertechnetate. Application in clinical practice. Wahner HW, et al. **Mayo Clin Proc** 51(8):525-31, AUG 76

Formation and in-vivo-distribution of different 99mTc-Sn-pyrophosphate complexes. Schümichen C, et al. **Nucl Med (Stuttg)** 14(4):323-9, 15 Dec 75

Gamma camera images of the salivary gland using 99mTc. Report of four cases. Higashi T, et al. **Oral Surg** 40(6):804-10, Dec 75

Gated blood pool imaging following 99mTc stannous pyrophosphate imaging. Stokely EM, et al. **Radiology** 120(2):433-4, Aug 76

Gated blood pool imaging following 99mTc stannous pyrophosphate imaging. Stokely EM, et al. **Radiology** 120(2):433-4, Aug 76

Comparison of 99mTc-labeled phosphate and phosphonate agents for skeletal imaging. Davis MA, et al. **Semin Nucl Med** 6(1):19-31, Jan 76 (32 ref.)

Technetium 99m stannous glucoheptonate for renal imaging and evaluating individual renal function. Corriere JN Jr, et al. **Surg Forum** 26:582-4, 1975

Computer processed 99mTc-DTPA studies of renal allotransplants. Pavel DG, et al. **Surgery** 79(02):152-60, Feb 76

[99MTechnetium-fibrinogen labeling using electrolytic zirconium release] Hebestreit HP, et al. **Nucl Med (Stuttg)** 14(2):172-84, 30 June 75 (Eng. Abstr.) **(Ger)**

[Determination of tissue scattering fraction and optimum adjustment of pulse height analyzer for the nuclide 99mTc (author's transl)] Ertl S. **Radiobiol Radiother (Berl)** 16(6):745-53, 1975 (Eng. Abstr.) **(Ger)**

[99mTc from a diffusion generator (author's transl)] Roháček J, et al. **Radiol Diagn (Berl)** 16(5):755-8, 1975 (Eng. Abstr.) **(Ger)**

[Production of ready-to-use technetium (Tc)-99m and Tc99m-labeled radiopharmaceuticals] Angelberger P. **Strahlentherapie [Sonderb]** 74:457-60, 1975 (Eng. Abstr.) **(Ger)**

[Preparation of colloidal 99mTc2-S7 for liver scintigraphy] Láng J, et al. **Acta Pharm Hung** 45(5):189-95, Sep 75 (Eng. Abstr.) **(Hun)**

[Use of electrochemical reduction in the preparation of technetium 99m labeled dimercaptosuccinic acid] Mazur G, et al. **Acta Pol Pharm** 33(1):133-4, 1976 **(Pol)**

[Evaluation of blood volume in full term newborn infants with technetium 99m (HSA 99m)] Vaz FA, et al. **Bol Med Hosp Infant Mex** 32(5):931-9, Sep-Oct 75 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

A high-frequency ultrasonic nebulizer system for radioaerosol delivery. Wasnich RD. **J Nucl Med** 17(8):707-10, Aug 76

ANALYSIS

Minor radioactive impurities in a 99mTc-eluate. van Damme KJ, et al. **Int J Appl Radiat Isot** 27(2):128, Feb 76

Letter: Measurement of unbound 99mTc in 99mTc-labeled human serum albumin. McLean JR, et al. **J Nucl Med** 17(8):758-9, Aug 76

A precise chromatography system for specific technetium-99m radiopharmaceuticals. Zimmer AM, et al. **Nucl Med (Stuttg)** 14(2):192-5, 30 June 75

CEREBROSPINAL FLUID

Penetration of 99mTcO4- into cerebrospinal fluid from blood on brain scintigraphy (author's transl)] Takeyama E, et al. **Neurol Surg (Tokyo)** 3(5):389-97, May 75 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Detection of solitary plasmacytoma by 99mTc pertechnetate in a patient with monoclonal immunoglobulin. Isobe T, et al. **Acta Haematol Jpn** 39(1):109-10, Feb 76

Radiosialometry. II. The diagnostic accuracy of different evaluation parameters. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(1-2):141-9, Jan-Feb 76

Radiosialometry. 1. A method for evaluation of salivary gland disorders. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(1-2):130-40, Jan-Feb 76

Bone scintigraphy of facial skeleton with 99Tcm-diphosphonate. Bergstedt HF. **Acta Radiol [Diagn] (Stockh)** 16(4):337-41, Jul 75

Objective symmetry detector method for gammaencephalography. III. Diagnosis of abnormal 99TcmO4 distribution in the skull. Lind M, et al. **Acta Radiol [Ther] (Stockh)** 14(3):273-90, Jun 75

Bone scanning with 99Tcm compounds in metastasizing mammary carcinoma. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(4):333-6, Aug 75

Trials to differentiate thyroid tumours by the use of 99Tcm-Solcocitran. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(5):462-4, Oct 75

99Tcm-solcocitran in the detection of bone malignancy. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(6):572-8, Dec 75

Radioisotopes and cross-sectional ultrasound in congenital heart disease. Friedman WF. **Adv Cardiol** 17:32-9, 1976

Quantitative radionuclide angiocardiography: detection and quantitation of left to right shunts. Askenazi J, et al. **Am J Cardiol** 37(3):382-7, 4 Mar 76

Noninvasive diagnosis of a false left ventricular aneurysm with radioisotope gated cardiac blood pool imaging. Differentiation from true aneurysm. Botvinick EH, et al. **Am J Cardiol** 37(7):1089-93, Jun 76

Measurement of left ventricular mean circumferential fiber shortening velocity and systolic ejection rate by computerized radionuclide angiocardiography. Steele P, et al. **Am J Cardiol** 37(3):388-93, 4 Mar 76

Measurement of gastric emptying time--a comparative study between nonisotopic aspiration method and new radioisotopic technique. Chaudhuri TK, et al. **Am J Dig Dis** 20(11):1063-6, Nov 75

Diagnosis of Barrett's esophagus by pertechnetate radionuclide. Mangla JC, et al. **Am J Dig Dis** 21(4):324-8, Apr 76

99mTc-tagged chicken liver as a marker of solid food in the human stomach. Meyer JH, et al. **Am J Dig Dis** 21(4):296-304, Apr 76

A new radioisotopic technic for the measurement of gastric emptying time of solid meal. Chaundhuri TK, et al. **Am J Gastroenterol** 65(1):46-51, Jan 76

Clinical appraisal of a new lyophilized Tc stannous pyrophosphate kit for skeletal imaging. Anderton NS, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):625-9, Aug 75

Localization of Tc99m polyphosphate in soft tissue malignancies. Richman LS, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):577-82, Aug 75

Radionuclide perfusion lymphangiography. An experimental technique to complement the standard ethiodol lymphangiogram. Steckel RJ, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):600-9, Aug 75

Objective measurement of rheumatoid arthritis using technetium index. Huskisson EC, et al. **Ann Rheum Dis** 35(1):81-82, Feb 76

Technetium-99m labelled imidodiphosphate: an improved bone-scanning radiopharmaceutical. Brody KR, et al. **Br J Radiol** 49(579):267-9, Mar 76

Letter: Technetium bone-scanning complexes. Cox PH. **Br J Radiol** 49(579):297-8, Mar 76

A quantitative assessment of femoral head activity using 99Tcm -polyphosphate and a computer data collection system. Dowsett DJ, et al. **Br J Radiol** 49(582):540-6, Jun 76

Extra-osseous localization of 99Tcm-Sn pyrophosphate. Poulose KP, et al. **Br J Radiol** 48(573):724-6, Sep 75

Observations of gastric mucosal blood flow using 99Tcm in rat and man. Taylor TV, et al. **Br J Surg** 62(10):788-91, Oct 75

Value of infarct-specific isotope (99mTc-labelled stannous pyrophosphate) in myocardial scanning. Ennis JT, et al. **Br Med J** 3(5982):517-20, 30 Aug 75

The single palpable thyroid nodule: evaluation by 99mTc-pertechnetate imaging. Alderson PO, et al. **Cancer** 37(1):258-65, Jan 76

Incidence and sites of bone lesions detected by 99mTc-polyphosphate scans in patients with tumors. Belliveau RE, et al. **Cancer** 36(2):359-63, Aug 75

Detection of unstable angina by 99m technetium pyrophosphate myocardial scintigraphy. Abdulla AM, et al. **Chest** 69(2):168-73, Feb 76

Technetium 99m stannous pyrophosphate myocardial imaging in patients with and without left ventricular aneurysm. Ahmad M, et al. **Circulation** 53(5):833-8, May 76

Evaluation of 99mtechnetium stannous pyrophosphate as an imaging agent in acute myocardial infarction. Bruno FP, et al. **Circulation** 54(1):74-8, Jul 76

Morphologic correlates of technetium-99m stannous pyrophosphate imaging of acute myocardial infarcts in dogs. Buja LM, et al. **Circulation** 52(4):596-607, Oct 75

Radionuclide assessment of nitroglycerin influence on abnormal left ventricular segmental contraction in patients with coronary heart disease. Salel AF, et al. **Circulation** 53(6):975-82, Jun 76

Radionuclide imaging of myocardial ischemia and infarction. Discussion. Willerson JT. **Circulation** 53(3 Suppl 1):128-9, Mar 76

Dual radionuclide study of myocardial infarction. Relationships between myocardial uptake of potassium-43, technetium-99m stannous pyrophosphate, regional myocardial blood flow and creatine phosphokinase depletion. Zaret B, et al. **Circulation** 53(3):422-8, Mar 76

Comparison of renal blood flow and transit times measured by means of 99mTc-labelled erythrocytes and Indocyanine Green in humans with normal and diseased kidneys. Reubi FC, et al. **Clin Sci Mol Med** 51(2):151-9, Aug 76

Bone scanning with 99m-Tc-phosphates: a comparison and problems in the detection of tumor metastasis. Oyamada H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):17-22, Jan 76

Changes in lymphatic efficiency in filarial-infected patas monkeys studied with 99mTc sulphur colloid. pp. 69-71. Redington BC, et al. **In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.**

Thyroid vascularity and trapping function: analysis of very early thyroidal technetium'uptake' Armstrong DI, et al. **Int J Nucl Med Biol** 3(2):65-70, Apr 76

Computerized method for 99mTc Thyroid uptake studies with gamma camera. Cauwe F, et al. **Int J Nucl Med Biol** 3(1):48-50, Jan 76

The effect of aluminum and pH on altered body distribution of 99mTc-EHDP. Chaudhuri TK. **Int J Nucl Med Biol** 3(1):37, Jan 76

99mTc-DTPA in cerebral scanning. Jenkinson IS, et al. **Int J Nucl Med Biol** 2(4):175-8, Oct 75

The use of 99mTc microsphere labeling fluids as radiopharmaceuticals. Kaplan E, et al. **Int J Nucl Med Biol** 2(2):82-3, Mar 75

99mTc-pyridoxylideneglutamate kit: a rapid cholescintigraphic agent. Trumper Y, et al. **Int J Nucl Med Biol** 3(1):45-8, Jan 76

Polyphosphate bone scanning of non-malignant bone disease in children. Paul DJ, et al. **J Can Assoc Radiol** 26(4):285-90, Dec 75

Mechanism of 99mTc sulfur colloid accumulation in canine renal allografts during hyperacute rejection. George EA, et al. **J Nucl Biol Med** 19(4):213-9, Oct-Dec 75

Comparison of 99mTc and 123I for thyroid imaging. Arnold JE, et al. **J Nucl Med** 17(4):261-7, Apr 76

Comparison of 99mTc complexes for renal imaging. Arnold RW, et al. **J Nucl Med** 16(5):357-67, May 75

Technetium 99m-pyridoxylideneglutamate: a new hepatobiliary radiopharmaceutical. I. Experimental aspects. Baker RJ, et al. **J Nucl Med** 16(8):720-7, Aug 75

Specificity of 99mTc-pertechnetate in scintigraphic diagnosis of Meckel's diverticulum: review of 100 cases. Berquist TH, et al. **J Nucl Med** 17(6):465-9, Jun 76

Double-tracer scintigraphy with 67Ga-citrate and 99mTc-sulfur colloid in the diagnosis of hepatic tumors. Buraggi GL, et al. **J Nucl Med** 17(5):369-73, May 76

Soft-tissue concentration of 99mTc-phosphates associated with injections of iron dextran complex. Byun HH, et al. **J Nucl Med** 17(5):374-5, May 76

Production of cerebrospinal fluid leak artifact by residual 99mTc-pertechnetate. Cowan RJ, et al. **J Nucl Med** 16(5):434, May 75

Mechanism of localization of 99mTc-labeled pyrophosphate and tetracycline in infarcted myocardium. Dewanjee MK, et al. **J Nucl Med** 17(7):639-46, Jul 76

The 99mTc-DTPA dynamic renal scan with deconvolution analysis. Diffey BL, et al. **J Nucl Med** 17(5):352-5, May

76
Letter: Differential diagnosis of brain lesions with 99mTc-labeled pharmaceuticals. Ell PJ, et al. **J Nucl Med** 17(3):224–5, Mar 76
Improved brain scan specificity utilizing 99mTc-pertechnetate and 99mTc(Sn)-diphosphonate. Fischer KC, et al. **J Nucl Med** 16(8):705–8, Aug 75
Splenogonadal fusion–a rare congenital anomaly demonstrated by 99Tc-sulfur colloid imaging: case report. Guarin U, et al. **J Nucl Med** 16(10):922–4, Oct 75
Inconsistent images of thyroid nodule scintigrams made with iodine and pertechnetate: case report. Hirabayashi S, et al. **J Nucl Med** 16(10):918, Oct 75
Double-labeling of experimental acute myocardial infarcts with 113mIn- and 99mTc-EDTMP. Holman BL, et al. **J Nucl Med** 17(6):508–11, Jun 76
New preparation method for 99mTc-phytate. Ikeda I, et al. **J Nucl Med** 17(5):389–93, May 76
Routine renal imaging after 99mTc-glucoheptonate brain scans. Kahn PC, et al. **J Nucl Med** 17(9):786–7, Sep 76
Dual-channel facilitation of the 99mTc radiocardiogram. Kaplan E, et al. **J Nucl Med** 16(8):789–92, Aug 75
Effects of prior administration of Sn(II) complexes on in vivo distribution of 99mTc-pertechnetate. Khentigan A, et al. **J Nucl Med** 17(5):380–4, May 76
Widespread abnormalities of radiocolloid distribution in patients with mycopolysaccharidoses. Klingensmith WC 3d, et al. **J Nucl Med** 16(11):1002–6, Nov 75
Factors affecting the uptake of 99mTc-sulfur colloid by the lung and kidney. Klingensmith WC 3d, et al. **J Nucl Med** 17(8):681–4, Aug 76
Accumulation of 99mTc-polyphosphate in two squamous cell carcinomas of the lung: Case report. Lowenthal IS, et al. **J Nucl Med** 16(11):1021–3, Nov 75
99MTc-diphosphonate bone imaging and uptake in healing rat extraction sockets. Lurie AG, et al. **J Nucl Med** 17(8):688–92, Aug 76
Radionuclide angiocardiographic calculation of the ratio of left-to-right heart outputs in a patient with unusual cardiovascular anatomy: case report. Parker JA, et al. **J Nucl Med** 17(7):623–5, Jul 76
Acute myocardial infarction imaged with 99mTc-stannous pyrophosphate and 201Tl: a clinical evaluation Parkey RW, et al. **J Nucl Med** ; 7(9):771–9, Sep 76
Adenocarcinoma of the lung with marked uptake of 99mTc-pertechnetate: case report. Patton DD, et al. **J Nucl Med** 17(02):116–8, Feb 76
Labeling and testing of 99mTc-streptokinase for the diagnosis of deep vein thrombosis. Persson BR, et al. **J Nucl Med** 16(6):474–7, Jun 75
The effect of carrier technetium in the preparation of 99mTc-human serum albumin. Porter WC, et al. **J Nucl Med** 17(8):704–6, Aug 76
Technetium-99m-pyridoxylideneglutamate: a new hepatobiliary radiopharmaceutical. II. Clinical aspects. Ronai PM, et al. **J Nucl Med** 16(8):728–37, Aug 75
Detection and size estimation of acute myocardial infarction using 99Tc-glucoheptonate. Rossman DJ, et al. **J Nucl Med** 16(11):980–5, Nov 75
Evaluation of soft-tissue calcifications in dermatomyositis with 99mTc-phosphate compounds: case report. Sarmiento AH, et al. **J Nucl Med** 16(6):467–8, Jun 75
Technetium-99m-methylene diphosphonate—a superior agent for skeletal imaging: comparison with other technetium complexes. Subramanian G, et al. **J Nucl Med** 16(8):744–55, Aug 75
Thyroid carcinoma presenting as a pertechnetate 'hot' nodule, but without 131I uptake: case report. Turner JW, et al. **J Nucl Med** 17(1):22–3, Jan 76
Use of 99mTc-labeled albumin microspheres in cerebral vascular disease. Verhas M, et al. **J Nucl Med** 17(3):170–4, Mar 76
Technetium-99m-glucoheptonate as a brain-scanning agent: critical comparison with pertechnetate. Waxman AD, et al. **J Nucl Med** 17(5):345–8, May 76
Letter: Cellular site of 99mTcO4 secretion in the stomach. Winter PF. **J Nucl Med** 17(8):756–7, Aug 76
Lung uptake of 99mTc-sulfur colloid in falciparum malaria: case report. Ziessman HA. **J Nucl Med** 17(9):794–6, Sep 76
Selective uptake of 99mTc complexes and 67Ga in acutely infarcted myocardium. Zweiman GF, et al. **J Nucl Med** 16(11):975–9, Nov 75
Technetium 99m pertechnetate scans in congenital hypothyroidism. Bauman RA, et al. **J Pediatr** 89(2):268–71, Aug 76
Letter: Visualisation of thrombi with technetium-99m urokinase. **Lancet** 2(7985):572–3, 11 Sep 76
Visualisation of thrombi with technetium-99m urokinase. A negative report. Weir GJ Jr, et al. **Lancet** 2(7981):341–2, 14 Aug 76
Lesion detectability as a function of pulse-height selection for dynamic imaging with 99mTc. Dubuque GL, et al. **Med Phys** 2(6):325–7, Nov-Dec 75
Results of brain scanning with different radioisotopes (99m Tc-PP, 99m Tc-DTPA, 67Ga citrate). Part 1: Study of meningiomas. Amici F, et al. **Neuroradiology** 9(3):157–61, 7 Aug 75
Tc-99m labeled complexes of aldehydes and glutamate as cholescintigraphic agents. Barnes WE, et al. **Nucl Med (Stuttg)** 14(4):330–8, 15 Dec 75
Uptake of 99mTc-tripolyphosphate in thrombotic leg. Kempi V, et al. **Nucl Med (Stuttg)** 15(1):14–7, Feb 76
Angioscintiphotography with 99mTc in 310 cases of space-occupying kidney lesions. Tori G, et al. **Nucl Med (Stuttg)** 14(2):133–43, 30 June 75
Quality control and testing of 99mTc-macroaggregated albumin. Darte L, et al. **Nuklearmedizin** 15(2):80–5, Apr 76
Significance of femur and liver radioactivity in relation to quality and fate of phosphate complexes labeled with technetium-99m. Hosain P, et al. **Nuklearmedizin** 15(2):95–6, Apr 76
Scintigraphy with 99mTc-tripolyphosphate in the early diagnosis of osteomyelitis. Kempi HA, et al. **Nuklearmedizin** 15(2):53–5, Apr 76
99mT-c-pyridoxylidene glutamate a radiopharmaceutical for the hepatobiliary system. Noronha OP, et al. **Nuklearmedizin** 15(2):71–4, Apr 76
The sodium pertechnetate Tc 99m scan: an aid in the evaluation of gastrointestinal bleeding. Ho JE, et al. **Pediatrics** 56(1):34–40, Jul 75
Our early experience in use of 99mTc pertechnetate and pho gamma camera system in diagnosis of brain tumours. Kocić DS. **Radiol Diagn (Berl)** 16(1):57–60, 1975
Serial radionuclide determinations of the electron fraction with 99mTc-labeled red blood cells. Alderson PO, et al. **Radiology** 119(3):729–30, Jun 76
Radionuclide imaging of the bones and joints of the hand. A definition of normal and a comparison of sensitivity using 99mTc-pertechnetate and 99mTc-diphosphonate. Bekerman C, et al. **Radiology** 118(3):653–9, Mar 76
Gray scale ultrasonic investigation of focal defects on 99Tc sulphur colloid liver scanning. Garrett WJ, et al. **Radiology** 119(2):425–8, May 76
The sensitivity and specificity of 99mTc-sulfur colloid liver imaging in diffuse hepatocellular disease. Geslien GE, et al. **Radiology** 118(1):115–9, Jan 76
Disparate imaging of the autonomous functioning thyroid nodule with 99mTc-pertechnetate and radioiodine. Miller JM, et al. **Radiology** 119(3):737–9, Jun 76
Observation of the use of 99mTc-phosphate imaging in peripheral bone trauma. Rosenthall L, et al. **Radiology** 119(3):637, Jun 76
The use of the 99mTc-pertechnetate neck/thigh ratio as a test of thyroid function. Selby JB, et al. **Radiology** 114(1):107–10, Jan 75
Kinetics and imaging characteristics of 99mTC-labled complexes used for bone imaging. Weber DA, et al. **Radiology** 120(3):615–21, Sep 76
99mTc in evaluation of sacro-iliac arthritis. Szanto E, et al. **Scand J Rheumatol** 5(1):11–5, 1976
Gamma-camera scintigraphy and renal angiography after transplantation. Wibell L, et al. **Scand J Urol Nephrol** (29 Suppl):95–9, 6–7 Mar 75
Clinical interest of 99mTc-albumin venous angiocardiography by computer-assisted gamma-camera and linear scan. Abbati A, et al. **Strahlentherapie [Sonderb]** 74:508–13, 1975
Comparison of 99mTc-labelled polyphosphate, pyrophosphate and ethane hydroxy diphosphonate in patients with skeletal metastases and in normal subjects. Citrin DL, et al. **Strahlentherapie [Sonderb]** 74:321–8, 1975
Inherent problems in dynamic lung studies. Munkner T. **Strahlentherapie [Sonderb]** 74:403–17, 1975
Experience with 99mTc diphosphonate in studying vascularity of the femoral head. D'Ambrosia RD, et al. **Surg Forum** 26:521–3, 1975
Radioactive technetium phosphate bone scanning in preoperative assessment and follow-up study of patients with primary cancer of the breast. Citrin DL, et al. **Surg Gynecol Obstet** 143(3):360–4, Sep 76
Technetium stannous pyrophosphate myocardial scintigraphy for diagnosing and localizing acute myocardial infarcts. Willerson JT, et al. **Tex Med** 72(2):61–6, Feb 76
Radionuclide study of bone allografts. Kelly JF, et al. **Transplant Proc** 8(2 Suppl 1):89–93, Jun 76
Bone scanning with technetium 99mTc polyphosphate in tuberculous osteomyelitis. Fanning A, et al. **Tubercle** 55(3):227–30, Sep 74
Diagnostic value of renal studies with radioisotopes in the pediatric age group. Erbengi G, et al. **Turk J Pediatr** 26(2):72–81, Apr 74
Diagnostic value of 99mTc in scrotal scan. Mukerjee MG, et al. **Urology** 6(4):453–5, Oct 75
[Skeletal scintigraphy in patients with cancer] de Haas G, et al. **Ned Tijdschr Geneeskd** 119(39):1489–94, 27 Sep 75 **(Dut)**
[Subcapsular spleen hemorrhage. Diagnosis using spleen scintigraphy with technetium sulfide colloid] Molier HL, et al. **Ned Tijdschr Geneeskd** 119(38):1458–61, 20 Sep 75 (Eng. Abstr.) **(Dut)**
[Use of leukocytes labelled with 99m Technetium sulfide colloids for the detection of experimental aseptic inflammatory foci] Auvergnat JC, et al. **Ann Biol Clin (Paris)** 33(5):359–63, 1975 (Eng. Abstr.) **(Fre)**
[Study of Eustachian tube patency using radioisotopes] Lafaye M, et al. **Ann Otolaryngol Chir Cervicofac** 91(12):665–80, Dec 74 (Eng. Abstr.) **(Fre)**
[Study of congenital cardiopathies with left-right shunt using gamma-angiocardiography] Itti R, et al. **Arch Mal Coeur** 69(6):565–72, Jun 76 (Eng. Abstr.) **(Fre)**
[Radiosialography, a dynamic study of the salivary glands by 99m Tc-pertechnetate] Peyrin JO, et al. **Int J Nucl Med Biol** 3(2):59–64, Apr 76 (Eng. Abstr.) **(Fre)**
[Bleomycin, electrolytically marked with technetium; its value in the detection of neoplastic tumors] Bercy A, et al. **J Belge Radiol** 58(5):405–9, Sep-Oct 75 (Eng. Abstr.) **(Fre)**
[Cerebral angioscintigraphy] Akerman M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:299–305, 1975 **(Fre)**
[Sodium pyrophosphate labeled by technetium 99m in the study of bone metastases. Role and limitations of the examination] Ducassou D, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:562–3, 1975 **(Fre)**
[Evaluation by means of cardiac output and radiocardiography of the treatment of polyglobulia by plasma addition associated with bloodletting] Gonzales M, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:672, 1975 **(Fre)**
[Scintigraphy with Tc99m pertechnetate in the diagnosis of breast tumors] Toti A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:628–9, 1975 **(Fre)**
[Comparison of the average flow time and renal glow as measured in man using 2 indicators: indocyanine and erythrocytes marded with 99mTc] Reubi F, et al. **J Urol Nephrol (Paris)** 81(4–5):302–5, Apr-May 75 **(Fre)**
[Evaluation by means of cardiac output and radiocardiography of the treatment of polyglobulia by plasma addition associated with bloodletting] Gonzales M, et al. **JAMA** 236(13):672, 27Sep 76 **(Fre)**
[Technetium pyrophosphate bone scanning in rheumatology and cancerology (apropos of 180 cases)] Sulman C, et al. **Lille Med** 20(7):599–606, Aug-Sep 75 **(Fre)**
[Letter: Discordant thyroid scintigraphies with iodine 131 and technetium 99] Chatal JF, et al. **Nouv Presse Med** 5(12):797–8, 20 Mar 1976 **(Fre)**
[Diagnosis of malignancy of pleuro-pulmonary tumors by 99mTc labeled polycitrate] Le Net R, et al. **Nouv Presse Med** 4(29):2103–4, 13 Sep 75 **(Fre)**
[Letter: Use of stannotechnetiated (99mTc) pyrophosphate for the diagnosis of cerebrovascular accidents] Planiol T, et al. **Nouv Presse Med** 5(12):793, 20 Mar 1976 **(Fre)**
[Bone marrow scintigraphy in anemia caused by impaired hemopoiesis. Respective values of technetium colloids and indium-transferrin] Rain JD, et al. **Nouv Presse Med** 4(20):1471–6, 17 May 75 (Eng. Abstr.) **(Fre)**
[Study of hepatic cirrhosis using radioactive technetium] Chicoş G, et al. **Physiologie** 12(1):65–72, 1975 **(Fre)**
[Use of new osteotropic isotopes in osteoarticular diseases, with special reference to phlogistic arthropathies] Ambanelli U, et al. **Rev Rhum Mal Osteoartic** 42(7–9):513–8, Jul-Sep 75 (Eng. Abstr.) **(Fre)**
[Value and limitatious of scintigraphy of the sacro-iliac joints using technetium pyrophosphate] d'Eshougues JR, et al. **Rev Rhum Mal Osteoartic** 42(6):383–9, Jun 75 (Eng. Abstr.) **(Fre)**
[99mTc-labeled sodium pyrophosphate in the study of primary and secondary bone cancer] Ducassou D, et al. **Strahlentherapie [Sonderb]** 74:346–56, 1975 **(Fre)**
[The radionuclide hepato-angiography in the clinical diagnosis (author's transl)] Bekier A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):532–5, Dec 75 (Eng. Abstr.) **(Ger)**
[A comparison of radiology and scanning with 99mTc-pyrophosphate in 125 patients with tumours (author's transl)] Broglie M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):310–2, Oct 75 (Eng. Abstr.) **(Ger)**
[Comparative investigations concerning osteotropic radiopharmaceuticals. III. Scanning with 18F and 99mTc-malignant diseases (author's transl)] Creutzig H. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):462–7, Nov 75 (Eng. Abstr.) **(Ger)**
[Sequential scintigraphy of four different 99mTc human albumen preparations used for lung scanning] Eissner D, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):206–9, Sep 75 (Eng. Abstr.) **(Ger)**
[99mTc-iron complex for demonstrating reflux without the use of a catheter (author's transl)] Hahn K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):321–4, Oct 75 (Eng. Abstr.) **(Ger)**
[Renal scintigraphy with 99mTc-penicillamine] Lichte H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):119–23, Feb 75 (Eng. Abstr.) **(Ger)**
[The demonstration of hererotopic gastric mucosa in the oesophagus with 99mTc pertechnitate (author's transl)] Marowski VB, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):44–7, Jul 76 (Eng. Abstr.) **(Ger)**
[The diagnosis of pulmonary calcinosis by scintigraphy (author's transl)] Schlangen JT, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(2):119–23, Feb 76 (Eng. Abstr.) **(Ger)**
[Radiation dose to the patient after administration of radioactive labelled colloids (author's transl)] Wolf R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):324–30, Oct 75 (Eng. Abstr.) **(Ger)**
[Modern diagnosis of thyroid gland function using nuclear medicine methods] Lange S, et al. **Med Klin** 71(11):469–73, 12 Mar 76 (18 ref.) **(Ger)**
[Bone scintigraphy with 99mTc-pyrophosphate: pharmokinetics of the substance and clinical experiences with the scintigraphy] Fill H, et al. **Nucl Med (Stuttg)** 14(4):310–22, 15 Dec 75 (Eng. Abstr.) **(Ger)**
[Technetium polyphosphate and technetium diphosphonate.

A comparative study] Henne W, et al. **Nucl Med (Stuttg)** 14(2):83–90, 30 June 75 (Eng. Abstr.) **(Ger)**

[Technetium uptake in the parotid gland. Value of functional parameters in Sjögren's syndrome] Havlik E, et al. **Nuklearmedizin** 15(3):142–5, Jun 76 (Eng. Abstr.) **(Ger)**

[99m Technetium–labelled tetracycline for kidney scintigraphy (animal experiment studies and 1st clinical experiences)] Krüger M, et al. **Radiol Diagn (Berl)** 16(1):17–22, 1975 (Eng. Abstr.) **(Ger)**

[Technetium citrate, new radiopharmaceutical for tumor diagnosis] Benes I, et al. **Strahlentherapie [Sonderb]** 74:107–16, 1975 (Eng. Abstr.) **(Ger)**

[Diagnosis of liver metastases with a combination of 57Co–bleomycin and 99mTc–sulfur colloid] Haubold U. **Strahlentherapie [Sonderb]** 74:490–5, 1975 (Eng. Abstr.) **(Ger)**

[99mTc–DTPA(Sn): biological and clinical studies on the distribution, kinetics and in vivo stability of a new clearance agent] Heidenreich P, et al. **Strahlentherapie [Sonderb]** 74:174–85, 1975 (Eng. Abstr.) **(Ger)**

[Joint scintigraphy using 99mTc pyrophosphate] Mirtl B, et al. **Z Rechtsmed** 34(5–6):149–54, May–Jun 75 (Eng. Abstr.) **(Ger)**

[Scintiscanning of the bone of the skull using Tc99m–pyrophosphate] Smaltino F, et al. **Acta Neurol (Napoli)** 30(1):62–70, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Radioactive isotopes in the diagnosis and therapy of thyroid diseases] Cammarota V. **Minerva Med** 66(62):3123–7, 22 Sep 75 **(Ita)**

[Bone imaging with 99m Tc–pyrophosphate] Fujiwara K, et al. **Jpn J Clin Radiol** 20(13):1163–9, Dec 75 **(Jpn)**

[Cardiac pool scintigraphy with 99mTc–human serum albumin] Hara M, et al. **Jpn J Clin Radiol** 21(1):35–40, Jan 76 **(Jpn)**

[67 Ga scanning of brain tumor – a comparison with 99m Tc scanning] Akisada M, et al. **Jpn J Nucl Med** 12(3):221–33, Jun 75 (Eng. Abstr.) **(Jpn)**

[Clinical experiences with pulmonary circulation scanning by 99mTc–MAA] Fudemoto Y. **Jpn J Nucl Med** 12(4):405–13, Aug 75 **(Jpn)**

[Intravenal dynamics of 99m–Tc(Sn) DTPA and its clinical implications] Ishi Y, et al. **Jpn J Nucl Med** 12(3):245–53, Jun 75 (Eng. Abstr.) **(Jpn)**

[Pulmonary circulation scanning by 99mTc–MAA] Ishii Y, et al. **Jpn J Nucl Med** 12(4):423–9, Aug 75 **(Jpn)**

[Evaluation of the liver scintigraphy with technetium–tin–colloid (99Tc–Sn–colloid) I. Experimental study a comparison with 198Au–colloid] Kimura K, et al. **Jpn J Nucl Med** 12(3):235–43, Jun 75 **(Jpn)**

[Liver scintigraphy by 99mTc–Sn–colloid. (II) Its diagnostic value and clinical application (comparison with 198Au–colloid)] Kimura K, et al. **Jpn J Nucl Med** 12(4):349–58, Aug 75 (Eng. Abstr.) **(Jpn)**

[Whole body bone scintigram with technetium–phosphate (99Tc) compounds – studies on several compounds and their problems from the standpoint of clinical application and studies on detection of metastatic bone tumors] Oyamada H, et al. **Jpn J Nucl Med** 12(3):273–89, Jun 75 (Eng. Abstr.) **(Jpn)**

[Diagnosis of gastric cancer using a catheter–type semiconductor radiation detector – experimental comparison of diagnostic values of beta– and gamma–emitting radionuclide labels] Sasa R, et al. **Jpn J Nucl Med** 12(3):255–60, Jun 75 (Eng. Abstr.) **(Jpn)**

[Dynamic study of urinary bladder, using 99mTc–(SN)–DTPA and gamma–scintillation camera (preliminary report) (author's transl)] Miyazaki M, et al. **Jpn J Urol** 66(11):770–80, Nov 75 (Eng. Abstr.) **(Jpn)**

[Comparison of liver scintigraphy with 99mTc–phytate and 198Au–colloid in diffuse hepatic disorders (author's transl)] Kamoi I, et al. **Nippon Acta Radiol** 35(7):556–62, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[Renal scintigtapy with 99mTc–gluconate (author's transl)] Koga I, et al. **Nippon Acta Radiol** 36(2):121–7, 1976 **(Jpn)**

[Articular topogammametry as a diagnostic method in chronic arthropathies of the knee] Ghergulescu N, et al. **Rev Chir [Chir]** 23(9):773–8, Nov–Dec 74 **(Rum)**

[Scintigraphic diagnosis of pulmonary embolism at a central hospital] Areskans L, et al. **Lakartidningen** 13(13):1220–2, 24 Mar 76 (Eng. Abstr.) **(Swe)**

ISOLATION & PURIFICATION

Analysis of the 89Sr and 90Sr content in eluates of fission produced 99Mo–99mTc generators. Sodd VJ, et al. **Health Phys** 30(2):179–82, Feb 76

METABOLISM

Bone marrow 99m Tc sulfur colloid distribution and marrow cellularity. Henry RE, et al. **Am J Med Sci** 270(3):419–25, Nov–Dec 75

Pharmaco–kinetics of current skeletal–seeking radiopharmaceuticals. Krishnamurthy GT, et al. **Am J Roentgenol** 126(2):293–301, Feb 76

99MTc–diphosphonate uptake in neuroblastoma. McCartney W, et al. **Am J Roentgenol** 126(5):1077–81, May 76

Periarticular uptake of 99mtechnetium diphosphonate in psoriatics: correlation with cutaneous activity. Namey TC, et al. **Arthritis Rheum** 19(3):607–12, May–Jun 76

Proceedings: Bone–seeking isotopes–pharmacology and mechanisms of uptake. Frier M, et al. **Br J Radiol** 49(577):286, Mar 76

Excretion of radioactivity in breast milk following 99Tcm–Sn Polyphosphate. O'Connell ME, et al. **Br J Radiol** 49(580):377–9, Apr 76

Letter: Uptake of pertechnetate in mammary tissue. Wyburn JR. **Br J Radiol** 49(578):194, Feb 76

Factors affecting uptake and retention of technetium–99m–diphosphonate and 99m–pertechnetate in osseous, connective and soft tissues. Francis MD, et al. **Calcif Tissue Res** 20(3):303–11, 14 Jun 76

Cardioversion and 'false positive' technetium–99m stannous pyrophosphate myocardial scintigrams. Pugh BR, et al. **Circulation** 54(3):399–403, Sep 76

The abnormal hepatic scan of chronic liver disease: its relationship to hepatic hemodynamics and colloid extraction. Horisawa M, et al. **Gastroenterology** 71(2):210–3, Aug 76

Uptake of technetium from seawater by red abalone Haliotis rufescens. Spies RB. **Health Phys** 29(5):695–9, Nov 75

Measurement of thyroid uptake of 99mTechnetium by conventional means compared to scinticamera. Pattrakulchai B, et al. **J Med Assoc Thai** 59(7):305–20, Jul 76

Chemistry of technetium radiopharmaceuticals. I. Exploration of the tissue distribution and oxidation state consequences of technetium (IV) in Tc–Sn–gluconate and Tc–Sn–EHDP using carrier 99Tc. Hambright P, et al. **J Nucl Med** 16(6):478–82, Jun 75

Glycopyrrolate in 99mTc–pertechnetate brain imaging. Holmes RA, et al. **J Nucl Med** 16(9):819–21, Sep 75

Intestinal concentration of 99mTc–pertechnetate into isolated loops of rat bowel. Taylor AT Jr, et al. **J Nucl Med** 17(6):470–2, Jun 76

Liver uptake of 99mTc–diphosphonate. Chaudhuri TK. **Radiology** 119(2):485–6, May 76

The effect of steroids on the extravascular distribution of radiographic contrast material and technetium pertechnetate in brain tumors as determined by computed tomography. Crocker EF, et al. **Radiology** 119(2):471–4, May 76

Effect of pentagastrin, histalog, glucagon, secretin, and perchlorate on the gastric handling of 99mTc pertechnetate in mice. Khettery J, et al. **Radiology** 120(3):629–31, Sep 76

Skeletal uptake of 99mTc–diphosphonate in relation to local bone blood flow. Siegel BA, et al. **Radiology** 120(1):121–3, Jul 76

[Quantitative study of total body retention and local uptake of strontium 85 and technectium pyrophosphate in bone pathology] Robillard J, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:559–62, 1975 **(Fre)**

[A comparison of osteotropic radiopharmaceuticals. II. Plasma clearance of 18F and 99mTc–EHDP (author's transl)] Creutzig H. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):313–8, Oct 75 (Eng. Abstr.) **(Ger)**

[Comparative investigations of osteotropic isotopes. i animal experiments on the uptake of 18f, 85sr and 99mtc–ehdp (author's transl)] Creutzig H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):137–43, Aug 75 **(Ger)**

[Concentration of 99mTc–tin–phosphate complexes in soft tissues] Büll U, et al. **Nucl Med (Stuttg)** 14(2):91–105, 30 June 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Methods of functional scintigraphy of the heart: the effect of the radiopharmaceutical agents (author's transl)] Breuel HP, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):37–40, Jul 75 (Eng. Abstr.) **(Ger)**

SECRETION

Letter: Cellular site of secretion of 99mTcO4 in the stomach—a controversial point. Chaudhuri TK. **J Nucl Med** 16(12):1204–5, Dec 75

STANDARDS

Vial retention of technetium–99m sulfur colloid in commercial kits. Porter WC, et al. **Am J Hosp Pharm** 32(11):1141–3, Nov 75

Dosimetry considerations in cyclotron–produced 99mTc. Barnes WE, et al. **Radiol Diagn (Berl)** 16(1):9–15, 1975

[Proposal for the preparation and testing of 99mTc–sulfur–colloid stabilized with Rheodextran Spofa for liver scintigraphy] Cechová J, et al. **Cesk Farm** 24(3):141, Apr 75 **(Cze)**

[Proceedings: 99m Tc from a diffusion generator] Roháček J, et al. **Radiobiol Radiother (Berl)** 16(1):134, 1975 **(Ger)**

[Determination of radioactive impurities in 99mTc–eluates and their contribution to total dosage] Sorantin H, et al. **Strahlentherapie [Sonderb]** 74:19–30, 1975 (Eng. Abstr.) **(Ger)**

TECHNOLOGY

The influence of science and technology on medicine: a forecast. Thomas L. **Ciba Found Symp** (30):179–93, 1975

Reflections from the dean's office. Massey RU. **Conn Med** 39(12):783, Dec 75

Methods proposed to achieve air quality standards for mobile sources and technology surveillance. Piver WT. **Environ Health Perspect** 10:9–14, Apr 75

Technology assessment for environmental contamination of pesticides. Mrak EM. **Environ Qual Saf** 4:246–52, 1975

The results of a survey on the use of technology in mental health centers. Johnson JH, et al. **Hosp Community Psychiatry** 27(6):387, 391, Jun 76

New technology demands teamwork. Caceres CA. **Hospitals** 50(7):103–7, 1 Apr 76

Legal and technical aspects of groundwater pollution control. pp. 20–2. Yound DD. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Solar power via satellite. pp. 433–46. Glaser PE, et al. **In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.**

Technology assessment and genetics. pp. 307–24. Walters L. **In: Veatch RM, Branson R, ed. Ethics and health policy Cambridge, Mass., Ballinger, 1976. W50 E84 1976**

Editorial: Knowledge, secrecy and freedom — a true fable. Berkley C. **Med Res Eng** 12(1):3–4, 1976

Our alliance with machines. Lewis JF. **Surg Gynecol Obstet** 143(4):628–9, Oct 76

Organic dyes in laser technology. Schäfer FP. **Top Curr Chem** 61:1–30, 1976 (70 ref.)

[Cultural evolution, technological development and infectious diseases] Tolentino P. **Minerva Med** 67(9):543–8, 25 Feb 76 **(Ita)**

[Effect of the technological methods on the sanitary improvement of working conditions in mining ore deposits] Il'ina VA, et al. **Gig Tr Prof Zabol** (3):43, Mar 76 **(Rus)**

[Physiological and hygienic comparison of different work organization in relation to the mechanization and automation of the technological process in aluminum electrolysis] Solonin IuG, et al. **Gig Tr Prof Zabol** (7):4–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Role of the foreman in the factory] Menshutin AA. **Med Tekh** (1):4–6, Jan–Feb 76 **(Rus)**

[Scientific technical revolution, work and health] Filip M. **Cesk Zdrav** 24(6):241–5, Jun 76 **(Slo)**

TECHNOLOGY, DENTAL

An in vitro enamel cleaning method for examining teeth by scanning electron microscopy. Galil KA. **J Can Dent Assoc** 41(10):559–62, Oct 75

Flotation technique for histological preparation of fissure contents of human erupted teeth. Galil KA. **J Dent Res** 54(5):1093, Sep–Oct 75

Proceedings of the annual session of the American Association for Dental Research. Opening address: science versus technology. Myers HM. **J Dent Res** 54 Spec no C:C35–6, Oct 75

EDUCATION

A survey of accredited dental technology education programs in the United States. Harrison A, et al. **J Am Dent Assoc** 92(5):952–5, May 76

HISTORY

A historical review of complete denture impression materials. Starcke EN Jr. **J Am Dent Assoc** 91(5):1037–41, Nov 75

Letter: Recollections of the past (George W. Stryker). Stryker JW. **J Am Dent Assoc** 91(5):931, Nov 75

INSTRUMENTATION

The development of an abrasion testing machine for dental materials. Harrison A, et al. **J Biomed Mater Res** 9(3):341–53, May 75

TECHNOLOGY, FOOD see **FOOD TECHNOLOGY**

TECHNOLOGY, MEDICAL

ASMT position statement on the use of the title administrative technologist. **Am J Med Technol** 42(2):63–4, Feb 76

Personality and job satisfaction of medical technologists. French RM, et al. **Am J Med Technol** 42(3):92–103, Mar 76

Problems of research and development in health services. Brown JH. **Ann Biomed Eng** 3(3):231–7, Sep 75

Editorial: R and D for better medical care. Brown JH. **Ann Biomed Eng** 4(2):109–10, Jun 76

Internal medicine 1976: consequences of subspecialization and technology. Petersdorf RG. **Ann Intern Med** 84(1):92–4, Jan 76

New polyester resins for corrosion casting and block embedding. Tompsett D. **Ann R Coll Surg Engl** 58(3):243–4, May 76

On technologic restraint. Rogers DE. **Arch Intern Med** 135(10):1393–7, Oct 75

Mortality study of pathologists and medical laboratory technicians. Harrington JM, et al. **Br Med J** 4(5992):329–32, 8 Nov 75

Incidence of tuberculosis, hepatitis, brucellosis, and shigellosis in British medical laboratory workers. Harrington JM, et al. **Br Med J** 1(6012):759–62, 27 Mar 76

Letter: Mortality of pathologists and medical laboratory

technicians. St John-Brooks WH. **Br Med J** 4(5996):577, 6 Dec 75

Advances in clinical cardiology. Cohen LS. **Conn Med** 39(12):779–80, Dec 75

The role of CDC in technology transfer. pp. 11–4. Stickney DR.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.

Biomedical progress and the limits of human health. pp. 157–65. Callahan D.
In: Veatch RM, Branson R, ed. Ethics and health policy Cambridge, Mass., Ballinger, 1976. W50 E84 1976

Editorial: Needed: quality tools for the practicing clinician. Bertoch DJ. **J Clin Psychol** 32(1):201–2, Jan 76

Editorial: Evils of excessive application of technology in medicine. Hussey HH. **JAMA** 234(1):81–2, 6 Oct 75

How will 'certified' AHTs change veterinary practice? **Mod Vet Pract** 57(2):89–93, Feb 76

Presidential address on technologic restraint. Rogers DE. **Trans Assoc Am Physicians** 88:1–9, 1975

[Standardized analysis models, using computers, for supply of pharmacy and medical technologies. Partial complex: comparison of code numbers] Siggelkow W. **Pharmazie** 31(4):86–91, Apr 76 **(Ger)**

[Technology assessment and break-through (author's transl)] Abe H. **Jpn J Med Electron** 12 SUPPL:1–5, Sep 74 **(Jpn)**

[Biomedical engineering industry in the final year of the Five-Year Plan] Logachev IuG. **Med Tekh** (2):3–5, Mar–Apr 75 **(Rus)**

[Scientific, technical and economic cooperation in the field of medical technology between the USSR and the Hungarian People's Republic] Pekarskiĭ MD. **Med Tekh** (5):57–9, Sep–Oct 75 **(Rus)**

[Mass prophylactic examinations of the population and scientific and technical progress] Siagaev SIa, et al. **Med Tekh** (5):5–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[All-Union Scientific Medical and Technical Scoiety and the development of medical technology] Utiamyshev RI. **Med Tekh** (5):8–10, Sep–Oct 75 **(Rus)**

[Theory and methodology of planning production volumes] Bulygin IuA. **Nov Med Priborostr** (4):84–9, 1973 **(Rus)**

[Level of thermal processing technology at medical instrumentation plants] Chirkov VK. **Nov Med Priborostr** (4):45–9, 1973 **(Rus)**

[More attention to work on innovation and invention] **Voen Med Zh** (7):3–5, Jul 75 **(Rus)**

[Work in the district on efficiency promotion and inventions] Kamchatnov RA. **Voen Med Zh** (11):60–2, Nov 75 **(Rus)**

[Medical technological management of human interaction with military matriel] Rudnyĭ NM, et al. **Voen Med Zh** (10):58–61, Oct 75 **(Rus)**

[Achievements of the medical industry of the GDR] Tiurin VG. **Voen Med Zh** (3):93–4, Mar 76 **(Rus)**

[Advances in medicine and technology as factors of cost increases of medical care] Zamarripa Torres C. **Gac Med Mex** 110(5):325–35, Nov 75 **(Spa)**

EDUCATION

Slide- tape sequence: a teaching aid in instrumentation. Adams JR. **Am J Med Technol** 41(10):370–6, Oct 75

Developing an integrated, competency-based medical technology program. Beard MA, et al. **Am J Med Technol** 41(9):333–8, Sep 75

Contract method of individualized instruction applied to clinical bacteriology. Conwell MJ. **Am J Med Technol** 42(4):124–9, Apr 76

Admission procedures: A survey of current methodology Garza JV, et al. **Am J Med Technol** 42(1):30–6, Jan 76

An undergraduate medical technology clinical elective program. LeCrone CN. **Am J Med Technol** 42(7):243–7, Jul 76

Letter: Retraining of inactive medical technologists. Roberts C. **Am J Med Technol** 42(8):299, Aug 76

Retraining of inactive medical technologists - Whose responsibility? Roberts CA. **Am J Med Technol** 42(4):115–23, Apr 76

Medical technology education II: Evaluation of a classroom-laboratory program. Vojir CP, et al. **Am J Med Technol** 42(2):47–53, Feb 76

[An electron microscope course for biomedical training (author's transl)] Lange RH. **Mikroskopie** 31(5–6):174–9, Jul 75 **(Ger)**

[Training for professions in hygiene and teaching in public health laboratories (author's transl)] Husmann KH. **Oeff Gesundheitswes** 37(10):641–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Student scientific and technical creativity in a medical institute] Medvedskiĭ EN, et al. **Sov Zdravookhr** (12):26–9, 1975 **(Rus)**

[Experience in teaching principles of modern medical technology at the department of hospital therapy] Dziak VN. **Vrach Delo** (2):138–41, Feb 76 **(Rus)**

[Extension of the network of laboratories to suburban health centers] Sentíes VR, et al. **Salud Publica Mex** 18(1):47–79, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

HISTORY

Medical laboratory sciences--an historical review. Farr AD. **Med Lab Sci** 33(1):1–3, Jan 76

INSTRUMENTATION

Biomedical applications of vapor phase analysis. Heath E, et al. **Addict Dis** 2(1–2):123–39, 1975

Apparatus for washing test tubes. Dean B. **Lab Pract** 24(10):664–5, 671, Oct 75

Limitations of the Nash Logoscope or diagnostic slide rule. Pain RW. **Med J Aust** 2(18):714–5, 1 Nov 75

[Effect of ionizing sterilization doses on the properties of plastics used in medical technology] Robalewski AM. **Polim Med** 5(4):293–9, 1975 (Eng. Abstr.) **(Eng, Pol)**

[A simple counting device for stereologic counting of electron microscopy pictures] Krstić R, et al. **Verh Anat Ges** 69:873–4, 1975 (Eng. Abstr.) **(Ger)**

[The use of stereologic image analysis in medicine (peripheral nerves)] Adhami H, et al. **Z Mikrosk Anat Forsch** 88(4):660–4, 1974 (Eng. Abstr.) **(Ger)**

[Study of polyolefine plastics for the manufacture of medical and bacteriological equipment to be sterilized in electron accelerators] Robalewski AM, et al. **Polim Med** 5(4):339–47, 1975 (Eng. Abstr.) **(Pol)**

[Sanitary and hygienic evaluation of the shops of a medical instrument plant] Gareĭshina AZ, et al. **Gig Sanit** (2):108–9, Feb 75 **(Rus)**

[Automatic chain-binding machine] Nazyrov RN, et al. **Nov Med Priborostr** (4):62–5, 1973 **(Rus)**

STANDARDS

A comparison of participant mean values of duplicate specimens in the CAP Chemistry survey program. Gilbert RK. **Am J Clin Pathol** 66(1):184–92, Jul 76

An evaluation of statistical procedures designed to detect outliers resulting from a light degree of contamination in random samples of moderate size. Williams GW, et al. **Am J Clin Pathol** 66(1):167–83, Jul 76

Some statistical implications of rounding in the College of American Pathologists Survey. Williams GW, et al. **Am J Clin Pathol** 66(1):162–6, Jul 76

ASMT position paper on professional standards review of clinical laboratory services. **Am J Med Technol** 41(9):345–6, Sep 75

Correlation of Dextrostix values with true glucose in the range less than 50 mg/dl. Frantz ID 3d, et al. **J Pediatr** 87(3):417–20, Sep 75

[Service life of some medical instruments] Gizatullin RG, et al. **Nov Med Priborostr** (4):69–71, 1973 **(Rus)**

TECHNOLOGY, PHARMACEUTICAL

see related

DRUG INDUSTRY

Testing of laminar flow clean-air units. Aslund B. **Acta Pharm Suec** 12(5–6):485–90, 1975

A summary of the NIOSH evaluation program of portable direct-reading meters. McCammon CS Jr. **Am Ind Hyg Assoc J** 37(5):289–95, May 76

Filling vials aseptically while monitoring for bacterial contamination. Dirksen JW, et al. **Am J Hosp Pharm** 32(10):1031–2, Oct 75

Letter: Some comments on technical aspects of the article 'allpyral: an appraisal' by Drs. Goodman and Harris. Waterbury WE. **Ann Allergy** 36(3):214–9, Mar 76

Operational modifications on the HIAC particle counter. Daly T. **Bull Parenter Drug Assoc** 30(1):36–9, Jan–Feb 76

Tartrazine-containing drugs. Bartle WR. **Can Med Assoc J** 115(4):332–3, 21 Aug 76

An integrated data system for the retail pharmaceutical service. Preece JF, et al. **Int J Biomed Comput** 6(1):41–8, Jan 75

Effects of various hydrodynamic conditions on dissolution rate determinations. Underwood FL, et al. **J Pharm Sci** 65(5):697–700, May 76

Biochemistry and the search for therapeutic agents. Weinryb I. **Perspect Biol Med** 18(4):506–10, Summer 75

[Centrifugation in the technology of enzyme preparations. III. Temperature conditions in the centrifuge and amylolytic activity] Libický A, et al. **Cesk Farm** 24(4–5):154–9, Jun 75 (Eng. Abstr.) **(Cze)**

[Filtration in the technology of enzyme preparations. I. Effectiveness of fractions in laboratory continuous filtration of chymotrypsin solutions through quantitative paper filters] Libický A, et al. **Cesk Farm** 24(4–5):160–5, Jun 75 (Eng. Abstr.) **(Cze)**

[Alveolar packing: study of thermoplastic materials and equipment] Delporte JP, et al. **J Pharm Belg** 30(4):376–89, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Choice of formulation based on the dissolution time of the active substance] Ceschel GC, et al. **Boll Chim Farm** 114(7):408–15, Jul 75 (Eng. Abstr.) **(Ita)**

[Flow of laminar air: use in sterile rooms] Lumini E. **Boll Chim Farm** 114(7):361–74, Jul 75 **(Ita)**

[Cards for the control of capsule weights] Setnikar I, et al. **Boll Chim Farm** 114(9):509–20, Sep 75 (Eng. Abstr.) **(Ita)**

[Effects of dissolution tester on the dissolution of drugs from pharmaceutical preparations (author's transl)] Kitazawa S, et al. **J Pharm Soc Jpn** 95(7):872–8, Jul 75 (Eng. Abstr.) **(Jpn)**

[Packing-property of pharmaceutical powders. VI. Relationship between compacting progress and measurements variation of apparent density in course of packing of pharmaceutical powders (author's transl)] Miyake Y, et al. **J Pharm Soc Jpn** 96(1):116–21, Jan 76 (Eng. Abstr.) **(Jpn)**

[Analysis of pharmaceutical preparations using infrared diffuse reflection. I. Identification of components (author's transl)] Tanaka Y, et al. **J Pharm Soc Jpn** 95(12):1467–70, Dec 75 (Eng. Abstr.) **(Jpn)**

[Application of indium-113m for measurement of degree of mixing. VIII. Suppositories. (2). Effect of temperature on fusion for homogenized compo] Tanno K, et al. **J Pharm Soc Jpn** 94(11):1389–92, Nov 74 (Eng. Abstr.) **(Jpn)**

[Medical industry of the USSR--public health] Dvoriakovskiĭ VA. **Vopr Onkol** 22(1):3–6, 1976 **(Rus)**

[Prospects for research into the mechanochemical processes in drug technology] Borzunov EE, et al. **Farm Zh** 30(6):69–74, Nov–Dec 75 (15 ref.) (Eng. Abstr.) **(Ukr)**

[Physicochemical methods in the quality control of biologically active substances] Georgievskiĭ VP, et al. **Farm Zh** 30(4):9–24, Jul–Aug 75 (359 ref.) **(Ukr)**

[Improvement in the technology of molded suppositories on fatty bases] Golovkin VO, et al. **Farm Zh** (5):88–9, Sep–Oct 75 **(Ukr)**

[Development of the optimal film-forming composition based on ethylcellulose for the protective coating of tablets on a fluidized bed] Groshovyĭ TA. **Farm Zh** (2):65–8, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Effect of the preparation technology on the stability of phenothiazine derivatives in injection solutions] Kurchenko IN. **Farm Zh** (2):86–7, Mar–Apr 76 **(Ukr)**

[Development of the optimal technology for 2-mercaptobenzothiazole tablets] Likhoded VA, et al. **Farm Zh** 30(3):63–6, 1975 **(Ukr)**

[Effect of the production process on the quality of drugs] Murav'ev IO. **Farm Zh** (2):20–7, Mar–Apr 76 **(Ukr)**

[Some problems in the technology and analysis of drug forms] Shpak RS, et al. **Farm Zh** (2):93–4, Mar–Apr 76 **(Ukr)**

EDUCATION

[Course leading to the diploma in chemistry and pharmaceutical technology: some observations] Braibanti A. **Boll Chim Farm** 114(8):424–9, Aug 75 **(Ita)**

HISTORY

A tenth-century physician prepares his medicines. Abrahams HJ. **Trans Stud Coll Physicians Phila** 42(1):34–42, Jul 74

[20 years of the Pharmaceutical Development Center. Work of its Committee for Technological Development] Smečka V. **Cesk Farm** 24(8):330–1, Oct 75 **(Cze)**

[20 years of the Pharmaceutical Development Center. Perspectives of building of pharmacies] Urbancová O. **Cesk Farm** 24(8):325–9, Oct 75 **(Cze)**

INSTRUMENTATION

Cornea preparation for in vitro bio-pharmaceutical evaluation of ophthalmic dosage forms. Barrelet J, et al. **J Pharm Pharmacol** 27(12):919–22, Dec 75

Proceedings: A torque arm mixer for studying wet massing. Travers DN, et al. **J Pharm Pharmacol** 27 Suppl?–2:3P, Dec 75

Mixing and bottling unit for preparing biological fluids used in quality control. Ward PG, et al. **Lab Pract** 24(9):577–83, Sep 75

[Improvement in performances of an apparatus testing membrane resorption in vitro, by automatic adjustment and regulation of pH] Bonnet C, et al. **J Pharm Belg** 30(2):121–31, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Granulation in a layer of fluidized air. Influence of the technologic parameters of the apparatus on the grain characteristics] Prioux P, et al. **J Pharm Belg** 30(2):132–46, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Self-registering apparatus for recording drug release from plastic systems] Bornschein M, et al. **Pharmazie** 30(5):304–5, May 75 **(Ger)**

[Effect of the material components of the apparatus on the quality of a propazine solution for injections] Selezneev NG, et al. **Farmatsiia** 24(5):65–6, Sep–Oct 75 **(Rus)**

[The DO-10 distiller] Shvedov IuA, et al. **Med Tekh** (1):49–51, Jan–Feb 76 **(Rus)**

[Demand for modern distillation equipment] Shvedov IuA, et al. **Med Tekh** (2):38–41, Mar–Apr 75 **(Rus)**

[Standardization of the terminology for medical distillation equipment] Vorotyntseva MI, et al. **Med Tekh** (1):54–6, Jan–Feb 76 **(Rus)**

[Effect of the direction of extractant feed to the extractor on the rate of raw material exhaustion] Murav'ev LA, et al. **Farm Zh** 30(6):64–9, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Determination of the parameters of the molding instrument in tabletting machines depending on the side pressure in tabletting drug powders] Shukhin LM, et al. **Farm Zh** (5):89–91, Sep–Oct 75 **(Ukr)**

METHODS

Field experiences in testing membrane filter integrity by the forward Flow Test method. Cole JC, et al. **Bull Parenter Drug Assoc** 29(6):296–304, Nov–Dec 75

[Methods for determination of wett ability and their possible use in pharmaceutical technology] Bauer H, et al. **Pharmazie** 29(11):689–93, 1975 **(Ger)**

STANDARDS

[The microbiology of medication: concept - elaboration - control] Lagodsky H, et al. **Biol Med (Paris)** 2(2):141–56, Dec 73 **(Fre)**

[Standards of good production. Problems of sampling] Fontani F, et al. **Boll Chim Farm** 114(2):57–69, Feb 75 **(Ita)**

[Standards of good production. Human and technical aspects] Rocchi B. **Boll Chim Farm** 114(1):3–9, Jan 75 **(Ita)**

TECHNOLOGY, RADIOLOGIC

Perception of simulated lesions in the lung. Hemmingsson A, et al. **Acta Radiol [Diagn] (Stockh)** 16(5):494–502, Sep 75

Filtration in soft tissue radiography. Deichgräber E, et al. **Acta Radiol ⓡDiagn/BD/(Stockh)** 16(3):248–56, May 75

Spectral measurements and Monte Carlo calculations of scattered radiation from therapeutic radiation sources. Ennow K, et al. **Acta Radiol [Ther] (Stockh)** 14(3):262–72, Jun 75

Measurements of single event spectra with a wall–less proportional counter in low LET radiation fields. Jessen KA. **Acta Radiol [Ther] (Stockh)** 15(2):183–92, Apr 76

Cross–sectional anatomic images by gamma ray transmission scanning. Thieme GA, et al. **Acta Radiol [Ther] (Stockh)** 14(1):81–111, Feb 75

Double–contrast gastrography. Goldstein HM. **Am J Dig Dis** 21(9):797–803, Sep 76

Editorial: The technologic imperative. Rushmer RF. **Am J Roentgenol** 127(2):356–7, Aug 76

A circular test pattern for evaluating x–ray tube focal spots. Zeman GH, et al. **Am J Roentgenol** 126(6):1239–45, Jun 76

Comparative detection of pancreatic body—tail enlargement using the supine translateral and axial pancreatic views: a prospective statistical study. Sorabella PA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):143–53, Sep 75

Future of diagnostic radiology. Maurer HJ, et al. **Ann Clin Res** 7(5):295–300, Oct 75 (46 ref.)

Current status of laser fusion research at Battelle. Mallozzi PJ, et al. **Ann NY Acad Sci** 267:126–34, 30 Jan 76

Laser scanning of radiographs. Schreiber WF, et al. **Ann NY Acad Sci** 267:469–76, 30 Jan 76

Technique of measurement of the cardio–thoracic ratio. Harmand D, et al. **Australas Radiol** 19(2):172–4, Jun 75

An isocentric system of patient set–up without the use of an elevating couch. Klemp PF. **Australas Radiol** 19(2):127–8, Jun 75

Experience with total body opacification. Meredith H. **Australas Radiol** 19(3):279–88, Sep 75

Filament 'warm–up' time in dental x–ray tubes. Price C. **Br Dent J** 139(9):365–8, 4 Nov 75

Letter: Marking of lateral chest films. Allen AP. **Br J Radiol** 49(582):574, Jun 76

Editorial: Imaging in radiology. **Br Med J** 3(5984):605–6, 13 Sep 75

Letter: Imaging in radiology. Vickers AA. **Br Med J** 3(5986):763–4, 27 Sep 75

Interventional radiology. Wallace S. **Cancer** 37(1 suppl):517–31, Jan 76

Radiation exposure to angiographer during coronary arteriography using the U arm image amplifier. Begg FR, et al. **Cathet Cardiovasc Diagn** 1(3):261–5, 1975

Dosimetry of portable image intensifiers in pacemaker insertions. Hayt DB, et al. **Cathet Cardiovasc Diagn** 1(3):267–74, 1975

Optimizing cinefilm. Kato W, et al. **Cathet Cardiovasc Diagn** 1(1):97–106, 1975

Lordotic right posterior oblique projection of the left coronary artery: a speical view for special anatomy. Arani DT, et al. **Circulation** 52(3):504–8, Sep 75

Lead equivalence of male gonad shields. Church WW, et al. **Health Phys** 30(2):229–31, Feb 76

Fine detail radiography in the examination of tissue. Fornasier VL. **Hum Pathol** 6(5):623–31, Sep 75

Afterloading applicators in cancer of uterine cervix. Lakshmanan AV, et al. **Indian J Cancer** 11(4):467–70, Dec 74

A computer program for the localization of small areas in roentgenological images. Keller RA, et al. **Invest Radiol** 11(2):125–33, Mar–Apr 76

Radiation control with proper exposure factors for instant x–ray. Block IH. **J Am Podiatry Assoc** 65(11):1094, Nov 75

X–ray development. Weiner AJ. **J Am Podiatry Assoc** 65(11):1091–3, Nov 75

Some recent advances in diagnostic radiology. Rabinowitz JG. **J Arkansas Med Soc** 72(12):489–92, May 76

Spinal analysis using a three–dimensional radiographic technique. Brown RH, et al. **J Biomech** 9(6):355–65, 1976

The radiologic demonstration of early changes in ulcerative colitis by double contrast technique. Laufer I. **J Can Assoc Radiol** 26(2):116–21, Jun 75

An evaluation of a high resolution closed–circuit television link in a hospital radiology department. Sorby WA, et al. **J Can Assoc Radiol** 26(2):158–61, Jun 75

The expanding role of diagnostic radiology. Gibson JY. **J Miss State Med Assoc** 16(9):291–3, Sep 75

Design and performance characteristics of a whole–body positron transaxial tomograph. Hoffmann EJ, et al. **J Nucl Med** 17(6):493–502, Jun 76

Radiographic aids in the management of intraocular foreign body in the chamber angle. Wind CA, et al. **Ophthalmic Surg** 6(3):50–4, Fall 75

Exposure factor determination. Buchholz RE. **Oral Surg** 40(4):548–52, Oct 75

Automatic processing of intraoral films in dental schools. Hurlburt C. **Oral Surg** 40(3):423–7, Sep 75

Specification and additivity of unsharpness in diagnostic radiology. Day MJ. **Phys Med Biol** 21(3):399–405, May 76

An unusual sinogram: application of a McCallum technique. Agbezudor P. **Radiography** 42(499):143–6, Jul 76

Cardiac catheterisation – a radiographer's view. Ball S. **Radiography** 41(483):61–70, Mar 75

Baragwanath. Barter B. **Radiography** 42(496):93–4, Apr 76

New concepts in radiography. Cowley EJ. **Radiography** 41(487):153–64, Jul 75

Less radiation, better images. Vijlbrief P. **Radiol Clin (Basel)** 45(2–4):326–35, 1976

Teaching English composition to radiologic technologists: You don't need to read Hamlet. Brehm VL. **Radiol Technol** 47(5):291–4, Mar–Apr 76

System designed to improve communication process between patient and technologist. Sweeney RJ. **Radiol Technol** 47(5):295–7, Mar–Apr 76

Wide–field X–ray tube comparisons. Bernstein H, et al. **Radiology** 119(3):697–703, Jun 76

Performance evaluation of phototimers. Chaney EL, et al. **Radiology** 118(3):715–7, Mar 76

Resolution of field–emission x–ray sources. Charbonnier FM, et al. **Radiology** 117(1):165–72, Oct 75

Direct measurement of the effect of film miniaturization on diagnostic accuracy. Lehr JL, et al. **Radiology** 118(2):257–63, Feb 76

Clinical and dosimetric considerations in the radiation treatment of breast cancer. Mansfield CM, et al. **Radiology** 120(3):725–6, Sep 76

Is double–contrast examination of the colon the only acceptable radiographic examination? Margulis AR. **Radiology** 119(3):741–2, Jun 76

An evaluation of screen–film speed characteristics. Reynolds J, et al. **Radiology** 118(3):711–3, Mar 76

Comparison of the image quality of 105mm film with conventional film. Skucas J, et al. **Radiology** 118(2):433–7, Feb 76

Comparison of radiographic and optical magnification techniques for objects in arbitary orientations relative to the film plane. Sorenson JA. **Radiology** 118(2):439–41, Feb 76

The production of apparent image bifurcation. Trefler M, et al. **Radiology** 119(2):451–4, May 76

A developer solution for tank processing of x–ray film under ambient, tropical conditions. Wayrynen RE, et al. **Radiology** 119(2):478–80, May 76

The Johns Hopkins radiology reporting system. Wheeler PS, et al. **Radiology** 119(2):315–9, May 76

External localization of solitary bone lesion for biopsy. Winter PF. **Radiology** 120(3):730–1, Sep 76

Aplastic anemia in Japanese radiological technicians. Kitabatake T, et al. **Strahlentherapie** 152(2):187–90, Aug 76

Radiographic method of nephrostomy tube replacement. Silvert MA. **Urology** 6(3):370, Sep 75

[Influence of chromatic light sources on visualization of details on an achromatic x–ray picture] Boschi S. **Acta Med Iugosl** 29(5):367–76, 1975 (Eng. Abstr.) **(Cro)**

[Plastic intravenous cannula and its use in radiodiagnostics (author's transl)] Ort J. **Cesk Radiol** 30(1):67–8, Jan 76 (Eng. Abstr.) **(Cze)**

[New profile radiography angle of incidence of the femur neck. Sellier's angle of incidence] Bernard J, et al. **Ann Radiol (Paris)** 18(8):829–34, Dec 75 **(Fre)**

[Foreseeable dosimetry in the interstitial therapy using Iridium 192 wires ('Paris system'). Applications in a single plane] Wambersie A, et al. **J Belge Radiol** 55(2):197–206, Mar–Apr 72 (Eng. Abstr.) **(Fre)**

[Attempt at normalization of radiologic images in relation to technic employed] Biagini C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:299–90, 1975 **(Fre)**

[A simplified radiological technique for measurement of the angle of anteversion of the femur and of the cervico–diaphyseal angle (author's transl)] Chevrot A. **J Radiol Electrol Med Nucl** 57(6–7):545–8, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[The printed x–ray image] Fischgold H, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:170–2, 1975 **(Fre)**

[Technical progress in selective coronarography. Automatic injection of contrast media] Inglese L. **J Radiol Electrol Med Nucl** 56 suppl 1:225–7, 1975 **(Fre)**

[Short summary of the development of opaque visceral contrastography, in particular hepatography. Personal contributions] Lenarduzzi G. **J Radiol Electrol Med Nucl** 56 suppl 1:15–7, 1975 **(Fre)**

[New angles of incidence in coronarography] Ludwig JW. **J Radiol Electrol Med Nucl** 56 suppl 2:663–4, 1975 **(Fre)**

[Techniques for opacification of the lumbar spinal venous plexuses (author's transl)] Moret J, et al. **J Radiol Electrol Med Nucl** 57(6–7):553–60, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[High energy radiography (4 MV). Practical results] Pozza F, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:390–1, 1975 **(Fre)**

[Present developments in radiology] Bourquin J. **Rev Med Suisse Romande** 95(10):739–43, Oct 75 **(Fre)**

[Theoretical investigations for optimising the quantum in radiodiagnosis (author's transl)] Freyer G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):571–9, Dec 75 (Eng. Abstr.) **(Ger)**

[The effect of increased performance of modern x–ray tubes on improvements in picture quality, particularly of moving organs (author's transl)] Meiler J. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):70–8, Jul 76 (Eng. Abstr.) **(Ger)**

[Roentgenological evaluation of bone and cartilage transplants] Hammer U, et al. **Fortschr Kiefer Gesichtschir** 20:49–52, 1976 **(Ger)**

[X–ray technic in fractures of the femur–head calotte and the acetabulum] Weigand M. **Hefte Unfallheilkd** (124):267–8, 1975 **(Ger)**

[Picture quality of radiographic systems] pp. 112–23. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Principles of Röntgen photography] pp. 61–3. Angerstein W. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Radiation load in medical radiology] pp. 206–14. Gursky S. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Generation of ionizing radiation for therapeutic use] pp. 221–32. Hegewald H. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Physical criteria for choice of suitable radiation quality and radiation technics] pp. 232–51. Hegewald H. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Exposure of Röntgen photos by means of automatic exposure or with tables] pp. 88–99. Köcher E. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Possibilities and limits of radioscopy] pp. 188–94. Schmidt G, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Röntgen scattering radiation and its prevention] pp. 100–12. Stargardt A, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Principles of direct (geometrical) Röntgen enlargement] pp. 123–31. Stargardt A. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[Problems of radiation projection] pp. 251–66. Welker K. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)**

[The influence of x–ray tube voltage on the exposure of x–ray films (author's transl)] Angerstein W, et al. **Radiol Diagn (Berl)** 16(3):437–9, 1975 (Eng. Abstr.) **(Ger)**

[Trends in radiodiagnostical technique (author's transl)] Biehl H, et al. **Radiol Diagn (Berl)** 16(3):421–8, 1975 (Eng. Abstr.) **(Ger)**

[Principles of a programmed X–ray exposure technique (author's transl)] Fritz H, et al. **Radiol Diagn (Berl)** 15(4):519–29, 1974 (Eng. Abstr.) **(Ger)**

[Determination of an optimum enlargement factor by means of objective or subjective criteria of picture quality (author's transl)] Rosenkranz G, et al. **Radiol Diagn (Berl)** 16(3):429–35, 1975 (Eng. Abstr.) **(Ger)**

[On properties of secondary radiation grids (author's transl)] Stargardt A, et al. **Radiol Diagn (Berl)** 16(3):441–5, 1975 (Eng. Abstr.) **(Ger)**

[Clinical test of the Delcomat miniaturisation system (author's transl)] Rossi I, et al. **Roentgenblaetter** 28(12):613–16, Dec 75 (Eng. Abstr.) **(Ger)**

[Saving exposure in child–radiology with a new set for children (author's transl)] Schuster W, et al. **Roentgenblaetter** 28(10):471–6, Oct 75 (Eng. Abstr.) **(Ger)**

[Electronic film analysis of nuclei of the fetal knee joint in amniotic shadows (author's transl)] Wolf G, et al. **Roentgenblaetter** 28(10):491–5, Oct 75 (Eng. Abstr.) **(Ger)**

[Determination of mineral–content using a 2–spectrum method] Killig K. **Roentgenpraxis** 28(3):55–60, Mar 75 **(Ger)**

[Transfer function in the radiology—a small picture compendium] Pfeiler M, et al. **Roentgenpraxis** 28(9):205–18, Sep 75 **(Ger)**

[The importance of afterloading technics for radiation protection] Henseler H. **Strahlentherapie** 150(3):243–50, Sep 75 (Eng. Abstr.) **(Ger)**

[Review on the afterloading technics in gynecological radiotherapy] Rotte K. **Strahlentherapie** 150(3):237–42, Sep 75 (25 ref.) (Eng. Abstr.) **(Ger)**

[The need for radiographic pictures in various projections] Voegeli E, et al. **Ther Umsch** 31(10):694–711, Oct 74 (Eng. Abstr.) **(Ger)**

[X-ray regulations from the veterinary viewpoint] Tempel K. **Tieraerztl Prax** 3(3):283–8, 1975 **(Ger)**

[Advances in the clinical application of quantum and electron irradiation (author's transl)] Dimopoulos J. **Wien Klin Wochenschr [Suppl]** 87(37):3–34, 1975 (Eng. Abstr.) **(Ger)**

[Abdominal roetgen diagnosis in intensive care patients] Pokieser H. **Z Gastroenterol** 14(2):193–201, Mar 76 (Eng. Abstr.) **(Ger)**

[Improvement in radiation planning technics—an innovation in upper gastrointestinal radiography] Nakamura K, et al. **Jpn J Clin Radiol** 20(12):1115–20, Nov 75 **(Jpn)**

[Continuous automatic tracking of computer-controlled scanning X-ray microbeam system] Kiritani S. **Jpn J Med Electron** 14(1):19–24, Feb 76 (Eng. Abstr.) **(Jpn)**

[High sensitive radiographic systems and their resolutions (author's transl)] Hashizume T, et al. **Nippon Acta Radiol** 35(9):809–11, 25 Sep 75 (Eng. Abstr.) **(Jpn)**

[Automatic identification of bone contour around the hip joint in infant phantom by use of computer-controlled x-ray microbeam system (author's transl)] Kiritani S, et al. **Nippon Acta Radiol** 36(1):43–6, 1976 (Eng. Abstr.) **(Jpn)**

[Epidemiology of aplastic anemia in Japanese radiological technicians (author's transl)] Kitabatake T, et al. **Nippon Acta Radiol** 36(3):225–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Parenchymography (author's transl)] Narabayashi K. **Nippon Acta Radiol** 36(3):230–7, Mar 76 **(Jpn)**

[Studies on development of medical flash x-ray system (author's transl)] Suzuki S. **Nippon Acta Radiol** 35(7):515–26, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[A method of assessing the intensity of the radiation on the population of the RSFSR during medical x-ray examinations] Kudritskii IuK, et al. **Gig Sanit** (12):52–6, Dec 75 (Eng. Abstr.) **(Rus)**

[Experimental investigations of the dosimetric features of the x-ray radiation used in x-ray diagnosis] Prostiakova MA. **Gig Sanit** (10):40–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Hygienic features of working conditions prevailing in x-ray cabinets] Usol'tsev VI, et al. **Gig Sanit** (10):38–40, Oct 75 (Eng. Abstr.) **(Rus)**

[Optimization of collimator parameters for gamma-chamber] Livshits VB, et al. **Med Radiol (Mosk)** 21(1):41–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of a technical system in radiological department on an example of the block of closed sources] Bogoudinov RD. **Med Tekh** (6):17–21, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Bi-dimensional correction of x-ray images] Ivanov VS, et al. **Med Tekh** (2):16–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Evaluation of technical equipment for roentgenological examination of children] Mataz IP, et al. **Med Tekh** (2):28–32, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Methods of evaluation of the quality of x-ray images] Novikov VIa. **Med Tekh** (2):35–8, Mar–Apr 75 **(Rus)**

[Registration of failures (defects) in electric circuits of the x-ray apparatus] Tretiakov VV. **Med Tekh** (2):32–4, Mar–Apr 75 **(Rus)**

[Use of the curve of the change of contrast for evaluation of the informative value of the image in roentgenography, zonography and tomography] Chikirdin EG, et al. **Vestn Rentgenol Radiol** (5):59–64, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Various problems of methodology of X-ray diagnosis] Vlasov PV. **Vestn Rentgenol Radiol** (6):98–103, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

EDUCATION

A proposed scheme of training for darkroom technicians. Bott MJ. **Arch Virol** 41(1):235–6, 1975

A teaching aid in radiological interpretation. Harty FJ, et al. **Br Dent J** 139(5):183–4, 2 Sep 75

The use of audio-visual aids in the introduction of new equipment. Stockley SM. **Radiography** 41(492):257–60, Dec 75

International course on computed cranial tomography, Bermuda 1975. Penning L, et al. **Radiol Clin (Basel)** 45(1):57–63, 1976

JRC profile of education in radiologic technology. **Radiol Technol** 47(3):161–5, Nov–Dec 75

Predicting clinical performance of radiologic technology students. Ballinger PW. **Radiol Technol** 47(6):364–71, May–Jun 76

A rationale for behavioral objectives in the teaching of radiologic technology. Belica MJ. **Radiol Technol** 47(5):306–8, Mar–Apr 76

Developing quality assurance programs in radiation therapy for technologists. Boothe KA, et al. **Radiol Technol** 47(6):371–81, May–Jun 76

A learning experience in patient care. Donohue DP. **Radiol Technol** 47(3):121–33, Nov–Dec 75

Criteria-referenced approach to clinical practicum. Gurley LT, et al. **Radiol Technol** 47(2):63–72, Sep–Oct 75

A look at radiologic technology education. Kirby CC. **Radiol Technol** 47(2):82–9, Sep–Oct 75

An innovation in testing. Powers EM. **Radiol Technol** 47(5):298–300, Mar–Apr 76

Guidelines for the establishment of written agreements between colleges and clinical affiliates. Ramaeker L, et al. **Radiol Technol** 47(4):258–60, Jan–Feb 76

Advisory committees: free advice—for a price. Ramaeker L. **Radiol Technol** 48(1):43–7, JUL–AUG 76

Howard University program for radiotherapeutic technology. Tabron MJ. **Radiol Technol** 47(2):73–8, Sep–Oct 75

Role of a University Medical Center in the education of radiologic technologists: advanced education in radiologic technology. Thompson TT, et al. **Radiol Technol** 47(3):145–9, Nov–Dec 75

Role of a university medical center in the education of radiologic technologists, part II: educational preparation of instructors in radiologic technology. Thompson TT, et al. **Radiol Technol** 48(1):27–33, JUL–AUG 76

Counseling in radiologic technology programs. Warner SL. **Radiol Technol** 47(2):79–81, Sep–Oct 75

Radiation therapy technologist survey: state of Michigan. White JE, et al. **Radiol Technol** 47(5):309–10, Mar–Apr 76

Effect of operator training on patient exposure: an analysis of the NEXT data. Wochos JF, et al. **Radiol Technol** 48(1):19–22, JUL–AUG 76

HISTORY

William Stone (1858–1949): a pioneer in australian radiology. Russell KF. **Australas Radiol** 19(3):216–22, Sep 75

INSTRUMENTATION

Application of electronic spot imaging (ESI) to gastrointestinal roentgen examinations. Short WF, et al. **Am J Dig Dis** 21(6):399–401, May 76

Angiocardiography with small-size rapid cassette changer films. Cornali M, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):259–62, Sep 75

A restraining device for irradiating rats. Faulkner KD. **Aust Dent J** 20(1):19–21, Feb 75

Proceedings: Some aspects of 70 and 100 mm radiography during fluoroscopic procedures. Berridge FR, et al. **Br J Radiol** 48(575):943, Nov 75

Letter: The 'self-reporting radiograph'. Hardman GL. **Br J Radiol** 49(579):298, Mar 76

The Stanford 'bite-block', a head-immobilization accessory. Karzmark CJ, et al. **Br J Radiol** 48(575):926–8, Nov 75

A technique for using low melting point alloy for individual patient shielding in radiotherapy. Marshall TJ, et al. **Br J Radiol** 48(575):924–6, Nov 75

Transmission detectors for cyclotron in-vivo irradiations with neutrons. Ettinger KV, et al. **Experientia** Suppl 24:467–70, 1975

The potential of proton radiography. West D. **Experientia** Suppl 24:503–6, 1975

Computed tomography of the total body: Part I. Technical advances, devices, and normal scans. Seidelmann FE, et al. **J Am Osteopath Assoc** 75(7):644–50, Mar 76

The accuracy of the Schei ruler: a laboratory investigation. Bassiouny MA, et al. **J Periodontol** 46(12):748–52, Dec 75

Comparison of voltage-divider, modified Ardran-Crooks cassette, and Ge(Li) spectrometer methods to determine the peak kilovoltage (kVp) of diagnostic x-ray units. Giarratano JC. **Med Phys** 3(3):142–7, May–Jun 76

Test cassette for measuring peak tube potential of diagnostic x-ray machines. Jacobson AF, et al. **Med Phys** 3(1) Jan–Feb 76

Spectra and dosimetry related to neutron irradiations of the human body. Ing H, et al. **Phys Med Biol** 20(6):906–17, Nov 75

The versatile Mimer III. Casselden PA. **Radiography** 42(499):147–54, Jul 76

The use of rare-earth intensifying screens in obstetric radiography. Pritchard C, et al. **Radiography** 42(493):14–7, Jan 76

The XR-35 motion picture film analyser. Sandin B. **Radiography** 41(487):168, Jul 75

Who needs darkrooms? Gaynor LL, et al. **Radiol Technol** 47(4):237–44, Jan–Feb 76

A disposable barium and air rectal tip. Kornblum D, et al. **Radiol Technol** 47(4):261–2, Jan–Feb 76

Reduction of scatter in diagnostic radiology by means of a scanning multiple slit assembly. Barnes GT, et al. **Radiology** 120(3):691–4, Sep 76

A head-holder for radionuclide dacryocystography. Chenoweth DR, et al. **Radiology** 120(3):730, Sep 76

A collimator for reduced radiation dose with improved visualization of soft tissues. Freedman ML, et al. **Radiology** 118(1):226–8, Jan 76

A method to absorb scattered radiation without attenuation of the primary beam. Moore R, et al. **Radiology** 120(3):713–7, Sep 76

A computerized exposure system. Normandie LF, et al. **Radiology** 120(3):575–81, Sep 76

A versatile cassette holder for upright radiographic studies in infants and children. Scott JR, et al. **Radiology** 118(1):229–30, Jan 76

Investigations of moving-slit radiography. Sorenson JA, et al. **Radiology** 120(3):705–11, Sep 76

Prospects for x-ray exposure reduction using rare earth intensifying screens. Wagner RF, et al. **Radiology** 118(1):183–8, Jan 76

Image reconstruction from projections. Gordon R, et al. **Sci Am** 233(4):56–61, 64–8, Oct 75

[Trial of a new flexible cassette in general radiology (author's transl)] Fays J, et al. **J Radiol Electrol Med Nucl** 56(10):733–6, Oct 75 (Eng. Abstr.) **(Fre)**

[Simple instrumentation for urethrography] Mariage JC, et al. **J Radiol Electrol Med Nucl** 56(12):854, Dec 75 **(Fre)**

[Use of Dodger filters in osteoarticular radiology] Regent D, et al. **Rev Rhum Mal Osteoartic** 43(5):363–9, May 76 (Eng. Abstr.) **(Fre)**

[Photography of picture amplifier outlet image] pp. 173–8. Angerstein W, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Comparison of Röntgen photographic systems in view of picture quality and of radiation dosage necessary for picture taking] pp. 215–9. Angerstein W.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Röntgen picture screen photography] pp. 162–6. Angerstein W.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Röntgen intensifying screens; structure, properties and mechanism of action, range of application] pp. 142–7. Brandt GA, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Röntgen picture amplifier] pp. 166–73. Goldhagen H, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Röntgen film; structure, properties and use] pp. 132–42. Horn C, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Röntgen television] pp. 178–88. Kaiser S.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Structure and properties of Röntgen tubes] pp. 63–71. Saalmann H, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Structure and properties of Röntgen generators] pp. 71–87. Zier W, et al.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. (Ger)

[Measuring assembly for function diagnosis with stable substances (author's transl)] Sošin LD, et al. **Radiol Diagn (Berl)** 15(1):67–72, 1974 (Eng. Abstr.) **(Ger)**

[Experiences in using the auto altenator system in a teaching hospital (author's transl)] Vuoria P, et al. **Roentgenblaetter** 28(12):617–20, Dec 75 (Eng. Abstr.) **(Ger)**

[An integrated measurement system for betatron systems used in radiotherapy] Meyer R, et al. **Strahlentherapie** 152(1):57–70, Jul 76 (Eng. Abstr.) **(Ger)**

[Universal pass-through ionization chamber-filter for therapeutic x-ray apparatus] Kozlov GA. **Med Radiol (Mosk)** 20(11):72–5, Nov 75 **(Rus)**

[Roentgen-television set with the device for dosage rate regulation] Brendel' G, et al. **Med Tekh** (2):57–9, Mar–Apr 75 **(Rus)**

[Trends in the development of equipment for mass x-ray examinations] Chikirdin EG. **Med Tekh** (2):5–8, Mar–Apr 75 **(Rus)**

[Furnishing therapeutic-prophylactic institutions with x-ray equipment] Kochetova GP, et al. **Med Tekh** (2):22–8, Mar–Apr 75 **(Rus)**

[Television set for visual analysis of roentgenograms] Zhukov EM, et al. **Med Tekh** (2):52–4, Mar–Apr 75 **(Rus)**

[Who should select x-ray film for medical use?] Haverling M. **Lakartidningen** 73(6):407–10, 4 Feb 76 (Eng. Abstr.) **(Swe)**

MANPOWER

The Zuckerman Report. D.H.S.S. Consultative Paper. The Society's comments on the discussion document. **Radiography** 42(495):51–9, Mar 76

Letter: Statistics on radiographers. Carmichael JH. **Radiography** 42(497):104, May 76

The role of the radiographer in the seventies. Miller JC. **Radiography** 41(488):173–81, Aug 75

Management by commitment: theoretical personnel management. Edgerton RE. **Radiol Technol** 47(6):382–4, May–Jun 76

METHODS

Radiographic stereoplotting. A new technique and its application to the study of the spine. Jacoby RK, et al. **Ann Rheum Dis** 35(2):168–70, Apr 76

A new medical electroradiography with high sensitivity. Yamashita H, et al. **Keio J Med** 24(3):175–96, Jul 75

Depth resolution: a mechanism by which high kilovoltage improves visibility in chest films. Dyke WP, et al. **Radiology** 117(1):159–64, Oct 75

[Double contrast examination of the stomach. Definition, technic and indications] Frik W, et al. **Z Gastroenterol** 14(4):487–97, Jul 76 (Eng. Abstr.) **(Ger)**

[Simplified picture taking and developing in radiography] Lomberg GR. **ZWR** 85(14):646–7, 25 Jul 76 **(Ger)**

[Role of phase x-ray analysis in the hygienic evaluation of aerosols formed as results of using low-temperature plasma for industrial purposes] Il'nitskaia AV, et al. **Gig Tr Prof Zabol** (10):38–9, Oct 74 **(Rus)**

STANDARDS

Letter: Evaluation of a new screen/film combination. Hay GA. **Br J Radiol** 49(579):294, Mar 76

Editorial: Radiology now. Which? On radiation. Saxton HM. **Br J Radiol** 48(575):877, Nov 75 Haskin ME, et al. **Radiology** 119(1):101–3, Apr 76

[The equivalent x-ray exposure (author's transl)] Wach P, et al. **Biomed Tech (Berlin)** 21(6):162–9, Jul–Aug 76 (Eng. Abstr.) **(Ger)**

[Model for an efficiency pattern in radiology] Gerhardt P. **Roentgenpraxis** 29(9):209–10, Sep 76 **(Ger)**

TECTUM MESENCEPHALI see **CORPORA QUADRIGEMINA**

TEFLON see **POLYTETRAFLUOROETHYLENE**

TEGMENTUM MESENCEPHALI

ANATOMY & HISTOLOGY

Striatal afferent connections in the turtle (Chrysemys picta) as revealed by retrograde axonal transport of horseradish peroxidase. Parent A. **Brain Res** 108(1):25–36, 21 May 76

Light and electron microscopic analyses of the medial terminal nucleus of the accessory optic system in the mouse. I. Normal structure. Yamada H. **Z Mikrosk Anat Forsch** 88(6):997–1017, 1974

Light and electron microscopic analyses of the medial terminal nucleus of the accessory optic system in the mouse. II. After destruction of the eye. Yamada H. **Z Mikrosk Anat Forsch** 88(6):1161–71, 1974

CYTOLOGY

Semiautomatic morphometric analysis of the nucleolar development in the nucl. n. oculomotorii of Tupaia belangeri during ontogenesis. Zilles K, et al. **Anat Embryol (Berl)** 149(1):15–28, 21 Apr 76

[Demonstration of direct projections between the ponto-mesencephalic tegmentum and the visual cortex of the cat using a peroxidase technique] Léger L, et al. **C R Acad Sci [D] (Paris)** 281(16):1159–62, 20 Oct 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Functional significance of stimuli coming from the midbrain on the hypothalamic neurosecretory system. Popovichenko NV, et al. **Agressologie** 15(7):435–40, 1974

Intracranial self-stimulation from the dorsal raphe nucleus of the rat: effects of the injection of para-chlorophenylalanine and of alpha-methylparatyrosine. Simon H, et al. **Behav Biol** 16(3):353–64, Mar 76

Alteration in escape responding in the cat. A lesion and degeneration and comparison following stimulation studies. Kaelber WW, et al. **Brain Behav Evol** 12(3):137–50, 1975

The tractus infundibuli and other afferents to the parahippocampal region of the pigeon. Benowitz LI, et al. **Brain Res** 102(1):174–80, 30 Jan 76

Brain stem self-stimulation attenuated by lesions of medial forebrain bundle but not by lesions of locus coeruleus or the caudal ventral norepinephrine bundle. Clavier RM, et al. **Brain Res** 101(2):251–71, 16 Jan 76

Fibers associated with brain stem self-stimulation: Fink-Heimer study. Clavier RM, et al. **Brain Res** 105(2):325–32, 26 Mar 76

Attenuation of self-stimulation from substantia nigra but not dorsal tegmental noradrenergic bundle by lesions of sulcal prefrontal cortex. Clavier RM, et al. **Brain Res** 113(1):59–69, 20 AUG 76

Strong positive reward in median raphe: specific inhibition by para-chlorophenylalanine. Miliaressis E, et al. **Brain Res** 98(1):194–201, 7 Nov 75

Catecholamine concentration of discrete brain areas following self-stimulation in the ventromedial tegmentum of the rat. Miliaressis E, et al. **Brain Res** 100(1):192–7, 12 Dec 75

Radiofrequency lesion of the ventral mesencephalic tegmentum: neurological and behavioral considerations. LeMoal M, et al. **Exp Neurol** 50(3):521–35, Mar 76

Functional organization of the primate oculomotor system. pp. 237–45. Westheimer G, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

A copulatory system in the hypothalamus and tegmentum of the domestic chick. Mitchell J, et al. **J Comp Physiol Psychol** 90(7):643–52, Jul 76

Topographic studies on medial reticular nucleus. Eccles JC, et al. **J Neurophysiol** 39(1):109–18, Jan 76

Relationship between the medial longitudinal fasciculus and the dorsal longitudinal fasciculus. Ban T, et al. **Med J Osaka Univ** 25(3–4):79–94, Mar 75

Lesions in Guddesn's tegmental nuclei produce behavioral and 5-HT effects similar to those after raphe lesions. Lorens SA, et al. **Pharmacol Biochem Behav** 3(4):653–9, Jul–Aug 75

Monoaminergic mechanisms in aversive brain stimulation. Kiser RS, et al. **Physiol Behav** 15(1):47–53, Jul 75

Alpha-methyl-para-tyrosine and alpha-methyl-para-tyrosine methyl ester and self-stimulation in rats. Saint-Laurent J, et al. **Rev Can Biol** 32(2):137–41, Jun 73

[Pathways and ascending vestibular projections emanating from primary nuclei: radioautographic study (author's transl)] Raymond J, et al. **Brain Res** 111(1):1–12, 23 Jul 76 (Eng. Abstr.) **(Fre)**

[Synkinesis of head and eye movements evoked by brainstem stimulation in the alert monkey] Westheimer G, et al. **Exp Brain Res** 24(1):89–95, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Morpho-functional changes in the tegmentum mesencephali of turtles following enucleation] Boĭko VP, et al. **Neirofiziologiia** 7(2):172–7, 1975 **(Rus)**

TEGOPEN see **CLOXACILLIN**

TEICHOIC ACIDS

Studies on the linkage between teichoic acid and peptidoglycan in a bacteriophage-resistant mutant of Staphylococcus aureus H. Heckels JE, et al. **Biochem J** 149(3):637–47, Sep 75

Influence of alanyl ester residues on the binding of magnesium ions to teichoic acids. Lambert PA, et al. **Biochem J** 151(3):671–6, Dec 75

Lipoteichoic acid from Bacillus licheniformis 6346 MH-1. Comparative studies on the lipid portion of the lipoteichoic acid and the membrane glycolipid. Button D, et al. **Biochemistry** 15(5):989–95, 9 Mar 76

The structure of teichoic acid from Bacillus subtilis var, niger WM as determined by C nuclear-magnetic-resonance spectroscopy. De Boer WR, et al. **Eur J Biochem** 62(1):1–6, 2 Feb 76

A linkage unit joining peptidoglycan to teichoic acid in Staphylococcus aureus H. Coley J, et al. **FEBS Lett** 61(2):240–2, 15 Jan 76

[Interaction of acridine orange with teichoic acids of Staphylococcus aureus] Ignatov VV, et al. **Mikrobiologiia** 44(2):224–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Poly(glucosylglycerol phosphate) teichoic acid in the walls of Bacillus stearothermophilus B65. Anderson AJ, et al. **Biochem J** 151(1):115–20, Oct 75

Cross-reactions of Streptococcus mutans due to cell wall teichoic acid. Chorpenning FW, et al. **Infect Immun** 12(3):586–91, Sep 75

[Teichoic acid content in the cell wall of Actinomyces rimosus LST-118 in the process of ontogeny] Dmitrieva NF, et al. **Antibiotiki** 21(7):593–6, Jul 76 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Control of teichoic and teichuronic acid biosynthesis in Bacillus subtilis 168trp. Evidence for repression of enzyme synthesis and inhibition of enzyme activity. Rosenberger RF. **Biochim Biophys Acta** 428(2):516–24, 23 Apr 76

Formation of extracellular lipoteichoic acid by oral streptococci and lactobacilli. Markham JL, et al. **Infect Immun** 12(2):378–86, Aug 75

In vitro system for the synthesis of teichoic acid linked to peptidoglycan. Bracha R, et al. **J Bacteriol** 125(3):872–9, Mar 76

Formation of cell wall polymers by reverting protoplasts of Bacillus licheniformis. Elliott TS, et al. **J Bacteriol** 124(2):623–32, Nov 75

In vitro synthesis of the unit that links teichoic acid to peptidoglycan. Hancock I, et al. **J Bacteriol** 125(3):880–6, Mar 76

Membrane lipoteichoic acid of Streptococcus pyogenes and its stabilized L-form and the effect of two antibiotics upon its cellular content. Slabyj BM, et al. **J Bacteriol** 127(2):855–62, Aug 76

IMMUNOLOGY

Letter: Staphylococcal teichoic acid antibodies in serums of patients with diphtheroid endocarditis. Hoppes WL, et al. **Ann Intern Med** 83(3):431, Sep 75

Teichoic acid antibodies in the diagnosis of serious infections with Staphylococcus aureus. Tuazon CU, et al. **Ann Intern Med** 84(5):543–6, May 76

Formation of cross-reacting antibodies against cellular and extracellular lipoteichoic acid of Streptococcus mutans BHT. Knox KW, et al. **Infect Immun** 13(3):647–52, Mar 76

ISOLATION & PURIFICATION

Isolation of lipoteichoic acids from Butyrivibrio fibrisolvens. Hewett MJ, et al. **J Gen Microbiol** 94(1):126–30, May 76

METABOLISM

The interaction of magnesium ions with teichoic acid. Lambert PA, et al. **Biochem J** 149(3):519–24, Sep 75

Cell wall assembly in Bacillus subtilis: development of bacteriophage-binding properties as a result of the pulsed incorporation of teichoic acid. Archibald AR. **J Bacteriol** 127(2):956–60, Aug 76

Soluble macromolecular complexes involving bacterial teichoic acids. Doyle RJ, et al. **J Bacteriol** 124(1):341–7, Oct 75

Epithelial cell binding of group A streptococci by lipoteichoic acid on fimbriae denuded of M protein. Beachey EH, et al. **J Exp Med** 143(4):759–71, 1 Apr 76

Microorganism capable of decomposing N-acetylglucosaminyl ribitol teichoic acid of Staphylococcus aureus. Iwata S, et al. **Jpn J Microbiol** 20(2):123–9, Apr 76

Binding of group A streptococci to human oral mucosal cells by lipoteichoic acid. Beachey EH. **Trans Assoc Am Physicians** 88:285–92, 1975

PHARMACODYNAMICS

Inhibition of bacterial wall lysins by lipoteichoic acids and related compounds. Cleveland RF, et al. **Biochem Biophys Res Commun** 67(3):1128–35, 1 Dec 75

Effects of a streptococcal lipoteichoic acid on host responses in mice. Miller GA, et al. **Infect Immun** 13(5):1408–17, May 76

Inhibition of wall autolysis in Streptococcus faecalis by lipoteichoic acid and lipids. Cleveland RF, et al. **J Bacteriol** 126(1):192–7, Apr 76

Effect of lipoteichoic acid and lipids on lysis of intact cells of Streptococcus faecalis. Cleveland RF, et al. **J Bacteriol** 127(3):1582–4, Sep 76

Biological effects of lipoteichoic acids. Holtje JV, et al. **J Bacteriol** 124(2):1023–7, Nov 75

TELANGIECTASIA, HEREDITARY HEMORRHAGIC

Hereditary haemorrhagic telangiectasia (Rendu-Osler-Weber syndrome). Sharma NG, et al. **J Indian Med Assoc** 65(4):110–2, 16 Aug 75

COMPLICATIONS

Hereditary hemorrhagic telangiectasia with cerebrovascular malformations. Waller JD, et al. **Arch Dermatol** 112(1):49–52, Jan 76

Percutaneous embolization to control epistaxis in Rendu-Osler-Weber disease. Strother CM, et al. **Arch Otolaryngol** 102(1):58–60, Jan 76

Letter: Rendu-Osler-Weber disease--is embolization beneficial? Weisberg JJ. **Arch Otolaryngol** 102(6):385, Jun 76

Hereditary hemorrhagic telangiectasia. A case report with known cerebral involvement and cardiac catheterization data. Jacques S, et al. **Clin Pediatr (Phila)** 14(11):1031–6, Nov 75

Lupoid hepatitis, Rendu-Osler-Weber syndrome, clubbing cyanosis and hypertrophic osteoarthropathy. Nagaratnam N, et al. **J Med** 6(3–4):291–301, 1975

Spinal arterial malformation in a child with hereditary hemorrhagic telangiectasia. Case report. Merry GS, et al. **J Neurosurg** 44(5):613–6, May 76

Hereditary hemorrhagic telangiectasia with gingival lesion. Review and case reports. Everett FG, et al. **J Periodontol** 47(5):295–8, May 76

[Spontaneous carotid cavernous fistula in a case of hereditary hemorrhagic telangiectasia (Osler-Rendu) (author's transl)] von Rad M, et al. **J Neurol** 209(3):237–42, 2 Jul 75 (Eng. Abstr.) **(Ger)**

[Unusual associated anomalies in 3 eponymous syndromes with ocular involvement] Zolog N. **Rev Chir [Oftalmol]** 18(5):393, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

[Rare case of association of Rendu-Osler disease with lymphocytic leukemia] Livandovskiĭ IuA, et al. **Klin Med (Mosk)** 53(6):118–9, Jun 75 **(Rus)**

[Rendu-Osler-Weber disease with diffuse capillary angiomatosis of both lungs] Komarov FI, et al. **Vrach Delo** (8):59–62, Aug 75 (Eng. Abstr.) **(Rus)**

[Congenital pulmonary arteriovenous fistula (author's transl)] Goich J, et al. **Rev Med Chil** 103(10):679–82, Oct 75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The tourniquet test as a diagnostic aid for the study of telangiectasia. Quick AJ. **Am J Clin Pathol** 65(2):199–205, Feb 76

An intravenous radionuclide method to evaluate hypoxemia caused by abnormal alveolar vessels. Limitation of conventional techniques. Genovesi MG, et al. **Am Rev Respir Dis** 114(1):59–65, Jul 76

Fiberoptic endoscopy during laparotomy in the diagnosis of small intestinal bleeding. Greenberg GR, et al. **Gastroenterology** 71(1):133–5, Jul 76

Hereditary hemorrhagic telangiectasia: demonstration of a myocardial lesion by postmortem coronary angiography. Miller CL, et al. **J Arkansas Med Soc** 73(1):64–5, Jun 76

METABOLISM

[Biogenic amines (serotonin and histamine) in Rendu-Osler disease] Fedorova NV, et al. **Ter Arkh** 47(6):119–22, 1975 **(Rus)**

PATHOLOGY

Cutis marmorata telangiectatica congenita. Way BH, et al. **J Cutan Pathol** 1(1):10–25, 1974

[Studies on our own cases of Rendu–Osler–Weber's disease] Gaertner H, et al. **Folia Haematol (Leipz)** 103(1):123–7, 1976 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Cerebral hereditary haemorrhagic telangiectasia demonstrated angiographically. Thomas ML, et al. **Australas Radiol** 19(2):140–4, Jun 75

[Cerebrovascular diseases of the 'moyamoya' type] Brandt RA, et al. **Arq Neuropsiquiatr** 34(3):266–74, Sep 76 (Eng. Abstr.) **(Por)**

SURGERY

[Intranasal skin grafting for Osler's disease (author's transl)] Stoksted P, et al. **HNO** 24(7):239–41, Jul 76 (Eng. Abstr.) **(Ger)**

TELANGIECTASIS

[Unilateral teleangiectases during pregnancy] Engebretsen T. **Tidsskr Nor Laegeforen** 95(28):1577, 1593, 1602, 10 Oct 75 (Eng. Abstr.) **(Nor)**

[Variable pseudoerythroplasic telangiectasis balanitis] Mirande LM, et al. **Med Cutan Iber Lat Am** 3(4):293–6, 1975 **(Spa)**

CHEMICALLY INDUCED

Corticosteroid–induced cutaneous atrophy and telangiectasia. Experimental production associated with weight loss in rats. Smith JG Jr, et al. **Arch Dermatol** 112(8):1115–7, Aug 76

CONGENITAL

[Cutis marmorata telangiectatica congenita with plano–tuberous hemangioma] Runne U. **Z Hautkr** 50(18):802, 15 Sep 75 **(Ger)**

DIAGNOSIS

Letter: Tourniquet test. Muckle TJ. **Am J Clin Pathol** 66(3):615–6, Sep 76

Detection, quantitation and pathophysiology of lung 'spiders'. Robin ED, et al. **Trans Assoc Am Physicians** 88:202–16, 1975

ETIOLOGY

Letter: Leser–Trélat sign with porphyria cutanea tarda and malignant hepatoma. Harrington CI. **Arch Dermatol** 112(5):730, May 76

FAMILIAL & GENETIC

Chromatid exchanges in ataxia telangiectasia, Bloom syndrome, Werner syndrome, and xeroderma pigmentosum. Bartram CR, et al. **Ann Hum Genet** 40(1):79–86, Jul 76

Ataxia–telangiectasia. Ginter DN, et al. **Birth Defects** 11(2):408–9, 1975

Angioma serpiginosum—familial incidence. Marriott PJ, et al. **Br J Dermatol** 93(6):701–6, Dec 75

Cytogenetic investigations in a new case of Bloom's syndrome. Sperling K, et al. **Hum Genet** 31(1):47–52, 28 Jan 76

Sister chromatid exchanges and chromatid interchanges in bloom's syndrome. Schroeder TM. **Humangenetik** 30(4):317–23, 23 Dec 75

Bloom's syndrome: a probable new case with cytogenetic findings. Bourgeois CA, et al. **J Med Genet** 12(4):423–5, Dec 75

Genetics and cytogenetics of ataxia telangiectasia and Bloom's syndrome. Bloom AD. **Mod Probl Paediatr** 17:6–10, 1975

[Proceedings: Bloom's syndrome two familial cases with terminal myeloblastic leukemia] Brunel D, et al. **Arch Fr Pediatr** 32(6):583, Jun–Jul 75 **(Fre)**

OCCURRENCE

[Incidence of vasoneuroses and teleangiectasias in patients with peptic ulceration and in healthy subjects (author's transl)] Kotouš J, et al. **Cesk Gastroenterol Vyz** 30(4):185–90, Jun 76 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Localization by Q–banding of mitotic chiasmata in cases of Bloom's syndrome. Kuhn EM. **Chromosoma** 57(1):1–11, 4 Aug 76

Naevoid atrophoderma and linear telangiectasia. Emmerson RW. **Proc R Soc Med** 69(1):15–16, Jan 76

RADIOGRAPHY

Angiographic diagnosis of teleangiectases with cavernous angioma of the posterior fossa. Report of two cases. Diamond C, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):281–8, May 76

SURGERY

The carbon dioxide laser in the treatment of superficial telangiectases. Kaplan I, et al. **Br J Plast Surg** 28(3):214–5, Jul 75

Argon laser management of cutaneous vascular deformities. A preliminary report. Apfelberg DB, et al. **West J Med** 124(2):99–101, Feb 76

TELECOMMUNICATIONS

Telecommunications... service delivery for rehabilitation. Colligan L. **Am Rehabil** 1(2):8, Nov–Dec 75

The role of the laser in communications systems for improved medical care. Goldman L. **Ann NY Acad Sci** 267:359–65, 30 Jan 76

Telephone typewriter communication for the deaf. Smoski W. **ASHA** 18(3):183–5, Mar 76

Tel–communicology: health–care delivery system for persons with communicative disorders. Vaughn GR. **ASHA** 18(1):13–7, Jan 76

TWX and interlibrary loans; one library's experience. Hodges TM. **Bull Med Libr Assoc** 64(3):299–304, Jul 76

Nursing via satellite. Henderson NE. **Can Nurse** 72(1):30–3, Jan 76

Communication systems for emergency medical services. pp. 307–10. Adkins AW Jr.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Electrocardiographic telemetry and emergency medical communications technology. pp. 303–6. Nagel E.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

The electronic house call. pp. 128–45. Maxmen JS.
In: Maxmen JS, ed. The post–physician era. New York, Wiley, 1976. WB 50.1 M464p 1976.

The impact of two–way audiovideo satellite communication and a computerized health records system on the management of a rural arctic health program. pp. 581–4. Armbrust JM.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Long–distance transmission of digital scintillation camera signals. Santon LW, et al. **J Nucl Med** 17(5):394–6, May 76

Telephone communication network seminars in nursing education. Grexton EM. **J Nurs Educ** 15(3):28–32, May 76

The media center: satellites and video discs. Koch H. **Nurs Outlook** 23(12):743, Dec 75

[Hygienic characteristics of the industrial training of students at a vocational technical school in the occupation of telegrapher] Brovenko EF. **Gig Sanit** (3):28–32, Mar 76 (Eng. Abstr.) **(Rus)**

[Study of the rate of acoustic reception of radiotelegraphic signals during the psychological selection of candidates for flight training] Shpachenko DI. **Kosm Biol Aviakosm Med** 10(2):54–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Functional state of the visual analyzer in radiotelegraph operators] Kolbanov VV, et al. **Voen Med Zh** (11):53–5, Nov 75 **(Rus)**

INSTRUMENTATION

Voice terminal may offer opportunities for employment to the disabled. Glenn JW, et al. **Am J Occup Ther** 30(5):309–12, May–Jun 76

TELEMETRY

Telemetry of intracranial pressure. Heppner F, et al. **Acta Neurochir (Wien)** 33(1–2):37–43, 1976

A telemetric aid in establishing the cause of death in semidomesticated or wild animals. Moëll F, et al. **Acta Vet Scand** 16(3):357–67, 1975

An inexpensive portable ECG transmitter. Uhley HN. **Am Heart J** 90(5):607–10, Nov 75

A miniaturized photocell assembly for monitoring heart rate in freely behaving Aplysia (Mollusca: Gastropoda). Feinstein R, et al. **Behav Biol** 17(2):271–8, Jun 76

Telemetered heart rate responses of the rat during free and learned behavior. Bohus B. **Biotelemetry** 1(4):193–201, 1974

A review of implant telemetry systems. Fryer TB, et al. **Biotelemetry** 1(6):351–74, 1974 (180 ref.)

Recent advances in biotelemetry and their applications to measurements of pressure and electrical changes in the oviduct in vivo. Mackay RS. **Biotelemetry** 1(1):60–4, 1974

Telemetry systems and their practicability in medicine. pp. 622–6. Eichler J, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Telemetric ECG data (biorhythms) from operations under acupuncture analgesia in the People's Republic of China. pp. 690–4. Thoma H.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Electrocardiographic telemetry and emergency medical communications technology. pp. 303–6. Nagel E.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

Telemetry command in an integrated emergency care system. pp. 245–53. Lambrew CT.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Medical electronics in surgery. Watanuki T. **Int Surg** 61(6–7):372–3, Jun–Jul 76

A multichannel implantable telemetry system for flow, pressure, and ECG measurements. Fryer TB, et al. **J Appl Physiol** 39(2):318–26, Aug 75

Multichannel subcarrier ECG, respiration, and temperature biotelemetry system. Smith EN, et al. **J Appl Physiol** 39(2):331–4, Aug 75

Telemetry and the study of vertical jaw relations. Griffiths MJ. **J Dent** 3(6):261–6, Nov 75

A telemetry system for automatically recording copulation in sheep. Buckley DJ, et al. **Med Biol Eng** 12(6):837–42, Nov 74

An intra–oral telemetry system for the continuous recording of vertical jaw movement. Dibdin GH, et al. **Phys Med Biol** 20(3):355–65, May 75

The place o EEG telemetry and closed–circuit television in diagnosis and management of epileptic patients. Bowden AN, et al. **Proc R Soc Med** 68(4):246–8, Apr 75

Radiothelemetric monitoring of hydrogen ion levels of the small intestine. Alday ES, et al. **Surg Gynecol Obstet** 141(4):549–51, Oct 75

[Telemetric study of walking] Rainaut JJ, et al. **Acta Orthop Belg [Suppl]** 41(1):89–100, 1975 **(Fre)**

[Polygraphic recording in the rat by a miniaturized radiotelemetric technic] Gottesmann C, et al. **C R Soc Biol (Paris)** 169(6):1584–9, 1975 (Eng. Abstr.) **(Fre)**

[Possibilities for the use of a wirelsss telemetric technic in electroencephalography] Cammann R. **Psychiatr Neurol Med Psychol (Leipz)** 27(12):737–46, Dec 75 (Eng. Abstr.) **(Ger)**

[New portable apparatus for continuous radiotransmission of the heart rate in work areas] Grieco A, et al. **Med Lav** 66(6):635–53, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

An inexpensive receiver for ECG telemetry. Uhley HN. **Am Heart J** 91(3):346–8, Mar 76

A telemeter without refractive optics. Abraham FA. **Am J Ophthalmol** 81(1):98–9, Jan 76

An ECG telemetry system for physiological studies on swimmers. Frampton C, et al. **Biomed Eng** 11(3):87–90, 94, Mar 76

Microtelemetry—the use of integrated circuits in biotelemetry. Gill RW. **Biomed Eng** 11(2):43–6, 58, Feb 76 (18 ref.)

Computer aided biotelemetry system applied to free swimming fish. McAleenan RN, et al. **Biomed Sci Instrum** 12:29–32, 3–5 May 76

A four–channel ultrasonic telemetry system for obtaining physiological data from ocean divers. Fell RB, et al. **Biotelemetry** 1(1):50–9, 1974

Power sources for implanted telemetry systems. Fryer TB. **Biotelemetry** 1(1):31–40, 1974

A multichannel EEG telemetry system utilizing a PCM subcarrier. Fryer TB. **Biotelemetry** 1(4):202–18, 1974

Pulse code modulation telemetry in ski injury research. I. Instrumentation. Hull ML, et al. **Biotelemetry** 1(4):182–92, 1974

Long–term telemetry of direct arterial blood pressure in unrestricted hypertensives. Krönig B, et al. **Biotelemetry** 1(3):117–31, 1974

Temperature effects in measurements of respiratory oxygen. Küchler G, et al. **Biotelemetry** 1(5):241–50, 1974

Fundamental design procedures of an inductance coil utilizing thin–film IC technique for biotelemetry. Matsumoto G. **Biotelemetry** 1(1):41–9, 1974

The rubber band goniometry. A telemetric method for the measurement of angle, angular velocity, displacement and velocity. Neukomm PA. **Biotelemetry** 1(1):12–20, 1974

A radio–controlled monitoring system for multichannel telemetry. Neukomm PA. **Biotelemetry** 1(5):251–63, 1974

Telemetry of the EEG and EMG in the cat under the influence of psychotropic drugs. Polc P, et al. **Biotelemetry** 1(5):264–72, 1974

Telemetered renal responses to avoidance and aggression in dogs. Rader RD, et al. **Biotelemetry** 1(1):3–11, 1974

Two methods of assessing changes in the deep–body or core temperatures of swimming children and their future application in the field. Stokes RM. **Biotelemetry** 1(5):273–85, 1974

Telemetric measurement of the epidural temperature. The correlation between epidural and sublingual temperature. van Venrooij GE, et al. **Biotelemetry** 1(6):329–36, 1974

Precise voltage to frequency converter for telemetry applications of strain gage pressure transducers. Grover TP. **IEEE Trans Biomed Eng** 22(5):441–3, Sep 75

Aerial design in inductive loop telemetry. Jacob R. **IEEE Trans Biomed Eng** 23(2):118–23, Mar 76

Controlled external powering of miniaturized chronically implanted biotelemetry devices. Kadefors R. **IEEE Trans Biomed Eng** 23(2):124–9, Mar 76

Instrumentation for chronobiologic studies. pp. 717–22. Goodman RM.
In: Schering LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

ECG telemetric device and system for population attendance. pp. 335–9. Georgiev G, et al.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press,

1975. W3 IN133R 1974p.

A repeater type biotelemetry system for use on wild big game animals. Cupal JJ, et al. **ISA Trans** 14(2):101–8, 1975

Transmitter for radiotelemetry of intra-arterial pressure in man. Brash HM, et al. **Med Biol Eng** 14(1@760310–760415–3):61–4, Jan 76

A low-power transmitter for electrocardiograms using tunnel diodes. Collier RJ, et al. **Med Biol Eng** 14(3):359–60, May 76

Radiotelemetry of avian shank temperature using a thin-film hybrid microcircuit. Duncan IJ, et al. **Med Biol Eng** 13(4):544–50, Jul 75

A telemetry system for the continuous measurement of the voltage of an implanted bioelectric battery. Fontenier G. **Med Biol Eng** 13(5):696–9, Sep 75

A physiological radiotelemetry system using mark/space ratio modulation of a square-wave subcarrier. Heal JW. **Med Biol Eng** 12(6):843–9, Nov 74

A digital phase modulator and demodulator for a biomedical telemetry system. Ivison JM, et al. **Med Biol Eng** 12(1):109–12, Jan 74

A simple wideband f.m. transmitter for telemetering bipotentials. Meijer AA. **Med Biol Eng** 12(6):875–6, Nov 74

A wireless respiration failure detection system. Pope JM, et al. **Med Biol Eng** 12(3):348–54, May 74

Chemistor: a reusable telestimulation device for direct chemical stimulation of the nonhuman primate brain in freely moving animals. Cools AR, et al. **Physiol Behav** 14(2):229–33, Feb 75

[Continuous biotelemetric recording of the internal temperature of small hibernating reptiles and mammals] Ai B, et al. **C R Acad Sci [D] (Paris)** 280(8):1015–8, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Biotelemetry set-up for ambulatory tocography (author's transl)] Schmötzer M, et al. **Biomed Tech (Berlin)** 21(4):120–5, May 76 (Eng. Abstr.) **(Ger)**

[Multi-channel apparatus for radio-telemetric transmission of biological signals] Giannazzo E, et al. **Boll Soc Ital Biol Sper** 50(23–24):2150–2, 30 Dec 74 **(Ita)**

[Portable apparatus for telemetric recording of physiological functions during neuropsychic stress] Gofman SS, et al. **Kosm Biol Aviakosm Med** 9(4):65–8, Jul–Aug 75 **(Rus)**

[Radiotelemetric methods of study] Lizogub IuP. **Veterinariia** (9):99–100, Sep 75 **(Rus)**

METHODS

Application of teleelectrocardiography for evaluation of the engine-driver work-load in four variants of ride. Sadowski Z. **Acta Physiol Pol** 26(6):605–12, Nov–Dec 75

Development of telemetric techniques for use in studies of the electrical activity of the brain. Simard JM, et al. **Biomed Sci Instrum** 12:37–42, 3–5 May 76

Field studies on animals. Mackay RS. **Biotelemetry** 1(5):286–312, 1974

New possibilities for human motion studies by real-time light spot position measurement. Woltring HJ. **Biotelemetry** 1(3):132–46, 1974

Electrocardiographic radiotelemetry in the early recuperative period of acute myocardial infarction. Its value in detecting arrhythmias in the setting of a progressive coronary care unit. Gorfinkel HJ, et al. **Chest** 69(2):158–63, Feb 76

A technique for the continuous recording of tick feeding electrograms and temperature by telemetry from free-ranging cattle. Sweatman GK, et al. **Int J Parasitol** 6(4):299–305, Aug 76

Automated short range locator system. Bachman AH, et al. **Med Res Eng** 12(1):11–4, 1976

Acoustic telemetry from human divers. Kanwisher J, et al. **Undersea Biomed Res** 1(1):99–109, Mar 74

[Application of telemetry in EEG of primates (1)] Forni C, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):275–7, Jul–Sep 75 **(Fre)**

[Significance of electroclinical correlations during visual attacks registered by tele-EEG] Geier S, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(4):355–9, Oct–Dec 73 **(Fre)**

[Radio-telemetry in EEG and SEEG. Technology and material] Geier S, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(4):353–4, Oct–Dec 73 **(Fre)**

[Study of the mode of onset of the first 159 partial epileptic attacks recorded by tele-EEG] Geier S, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(4):343–52, Oct–Dec 73 (Eng. Abstr.) **(Fre)**

[Telemetry of intracranial pressure (preliminary report) (author's transl)] Heppner F, et al. **Neurochirurgia (Stuttg)** 18(4):134–8, Jul 75 **(Ger)**

[Methods and technique of investigations in the course of sport activities of children (author's transl)] Huber EG, et al. **Paediatr Paedol** 11(3):489–94, 1976 **(Ger)**

[Kinetocardiogram recording from a freely moving person] Boldovskii KP, et al. **Biull Eksp Biol Med** 80(9):115–7, Sep 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Radio-recoverable tranquilizing dart. Weeks RW, et al. **Biomed Sci Instrum** 12:33–6, 3–5 May 76

TELENCEPHALON

Endotoxin leucoencephalopathy in the telencephalon of the newborn kitten. Gilles FH, et al. **J Neurol Sci** 27(2):183–91, Feb 76

ANATOMY & HISTOLOGY

Acetylcholinesterase-rich projections from the basal forebrain of the rhesus monkey to neocortex. Mesulam MM, et al. **Brain Res** 109(1):152–7, 4 Jun 76

Anatomical identification of a telencephalic visual area in crocodiles: ascending connections of nucleus rotundus in Caiman crocodilus. Pritz MB. **J Comp Neurol** 164(3):323–38, 1 Dec 75

Telencephalic projections in two teleost species. Vanegas H, et al. **J Comp Neurol** 165(2):181–95, 15 Jan 76

The telencephalon of the sea catfish Galeichthys felis. Morgan GC. **J Hirnforsch** 16(2):131–50, 1975

A morphological study of the medial olfactory areas of the telencephalon in the Mongolian gerbil, Meriones unguiculatus). Salter FC. **J Hirnforsch** 15(4):299–317, 1974

[Estimations of partial and total volume of the telencephalon of Papio cynocephalus kindae] Compere J, et al. **Acta Anat (Basel)** 92(4):570–9, 1975 **(Fre)**

[Corticalization of 2 regions of the visual system in the evolution of vertebrates] Karamian AI, et al. **Neirofiziologiia** 7(1):12–20, 1975 **(Rus)**

[Forebrain neurons in the sturgeon Acipenser baeria] Obukhov DK. **Zh Evol Biokhim Fiziol** 11(4):432–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

The central arteries of the brain. Classification and territories of vascular supply. pp. 37–41. Lazorthes G, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

[Effect of special training for loads acting in the thorax-spine direction on the vessels of the endbrain] Zotova NI. **Arkh Anat Gistol Embriol** 69(10):62–7, Oct 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The midline septum telencephali: a raphe. Chronister RB, et al. **Exp Neurol** 50(3):684–98, Mar 76

DRUG EFFECTS

A telencephalic lesion site for D-amphetamine-induced contralateral rotation in rats. Fleisher LN, et al. **Brain Res** 96(2):413–7, 17 Oct 75

Effects of 6-OH-DA induced lesions of the ascending noradrenaline and adrenaline pathways to the tel and diencephalon on FSH, LH and prolactin secretion in the ovariectomized female rat. pp. 273–83. Fuxe K, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.**

Pituitary-adrenocortical hormone influences on multiple units in the brainstem and forebrain structures. pp. 427–36. Korányi L, et al. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

EMBRYOLOGY

Effects of dibutyryl cyclic AMP on cultured brain cells from chick embryos of different ages. Moonen G, et al. **Experientia** 32(1):40–2, 15 Jan 76

[Chronoarchitectonic analysis of the rat brain using radioautography. I. Histogenesis of the telencephalon] Bisconte JC, et al. **J Hirnforsch** 16(1):55–74, 1975 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

[Development of the telencephalon of Salmo irideus Gib] Chanconie M, et al. **J Hirnforsch** 16(1):75–89, 1975 **(Fre)**

[Postnatal telencephalic development of the white rat] Garica-Santos J, et al. **Verh Anat Ges** 69:551–3, 1975 **(Ger)**

METABOLISM

Neurochemical correlates of hypothalamic obesity in rats. Coscina DV, et al. **Behav Biol** 16(3):365–72, Mar 76

Dual localization of histamine in an ascending neuronal pathway and in non-neuronal cells evidenced by lesions in the lateral hypothalamic area. Garbarg M, et al. **Brain Res** 106(2):333–48, 23 Apr 76

The effect of acute raphe lesion on serotonin synthesis and metabolism in the rat forebrain and hippocampus. Herr BE, et al. **Brain Res** 110(1):189–93, 25 Jun 76

The monoaminergic innervation of the telencephalon of the frog, Rana pipiens. Parent A. **Brain Res** 99(1):35–47, 28 Nov 75

Altered brain cyclic AMP-responses in rats reared in enriched or impoverished environments. Dismukes RK, et al. **Experientia** 32(6):730–2, 15 Jun 76

[The effect of insulin on the intensity of glucose and glycogen biosynthesis from acetate in the cerebral hemispheres] Vilkova VA. **Nerv Sist** 15:121–6, 1975 **(Rus)**

[Seasonal changes in the sorptive properties of frog cerebral hemispheres and cartilaginous tissue] Haziiev ZM, et al. **Fiziol Zh** 21(4):512–7, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

PATHOLOGY

Neuroglial differentiation and glial fatty metamorphosis (Virchow) in the telencephalon of the mature and premature infant. pp. 479–88. Schneider H, et al. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

PHYSIOLOGY

Evidence that self-stimulation of the region of the locus coeruleus in rats does not depend upon noradrenergic projections to telencephalon. Clavier RM, et al. **Brain Res** 113(1):71–81, 20 AUG 76

Basal forebrain and hypothalamic influences upon brain stem neurons. Mancia M, et al. **Brain Res** 107(3):487–97, 14 May 76

Effects of reciprocal forebrain transplantation on motility and hatching in chick and duck embryos. Sohal GS. **Brain Res** 113(1):35–43, 20 AUG 76

Development of kindled amygdaloid seizures after section of the forebrain commissures in rats. McCaughran JA Jr, et al. **Folia Psychiatr Neurol Jpn** 30(1):65–71, 1976

Role of forebrain structures in the regulation of gonadotropin secretion. pp. 101–13. Kawakami M, et al. **In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.**

On the role of tleencephalic noradrenaline in learning and memory. pp. 349–56. Fibiger HC, et al. **In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.**

Characteristics of central nonspecific somatosensory systems. pp. 68–77. Bowsher D. **In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971.** 1975

Arousal and orientation functions of the avian telencephalon. pp. 205–42. Salzen EA, et al. **In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974.**

Hyperstriatal function in the pigeon: response inhibition or response shift? Macphail EM. **J Comp Physiol Psychol** 89(6):607–18, Aug 75

[Proceedings: Photic stimulation on neural activities of the telencephalon and hypothalamus] Yano J. **J Physiol Soc Jpn** 36(8–9):279–80, 1 Sep 74 **(Jpn)**

ULTRASTRUCTURE

Proceedings: Fiber connections of the telencephalon of Tupinambis nigropunctatus. Hoogland P, et al. **Acta Morphol Neerl Scand** 13(4):309–10, Dec 75

Structure of anterior dorsal ventricular ridge in snakes. Ulinski PS. **J Morphol** 148(1):1–21, Jan 76

The effect of hyperthermia on the neuroepithelium of the 21-day guinea-pig foetus: histologic and ultrastructural study. Wanner RA, et al. **J Pathol** 118(4):235–44, Apr 76

TELEPAQUE see **IOPANOIC ACID**

TELEPATHY

A laboratory investigation of telepathy: the study of a psychic. Moss T, et al. **Behav Neuropsychiatry** 6(1–12):71–80, Apr 74–Mar 75

EEG spectrum analysis techniques applied to the problem of psi phenomena. Rebert CS, et al. **Behav Neuropsychiatry** 6(1–12):18–24, Apr 74–Mar 75

PSI and the life cycle.2. Schwarz BE. **J Am Soc Psychosom Dent Med** 21(3):98–105, 1974

PSI and the life cycle. Schwarz BE. **J Am Soc Psychosom Dent Med** 21(2):64–9 contd, 1974

PSI and the life cycle. Schwarz BE. **J Am Soc Psychosom Dent Med** 21(4):135–42, 1974

PSI and the life cycle. Schwarz BE. **J Am Soc Psychosom Dent Med** 22(1):23–8, 1975

PSI and the life cycle. Schwarz BE. **J Am Soc Psychosom Dent Med** 22(4):129–33, 1975

PSI and the life cycle. Schwarz BE. **J Am Soc Psychosom Dent Med** 22(3):91–9, 1975

Cerebral localization and the psi syndrome. Ehrenwald J. **J Nerv Ment Dis** 161(6):393–8, Dec 75

TELEPHONE

Experiences with digital telephone transmission of ECGs. Feigel H. **Adv Cardiol** 16:260–4, 1976

The training of telephone crisis intervention volunteers. Dixon MC, et al. **Am J Community Psychol** 3(2):145–50, Jun 75

The prediction of 'shows' and 'no-shows' to a crisis center: a replication. Walfish S, et al. **Am J Community Psychol** 3(4):367–70, Dec 75

Teaching stroke patients to dial the telephone. Leff RB. **Am J Occup Ther** 30(5):313–5, May–Jun 76

Measuring response to a cancer information telephone facility: Can-Dial. Wilkinson GS, et al. **Am J Public Health** 66(4):367–71, Apr 76

Transtelephone pacemaker monitoring: five years later. Furman S, et al. **Ann Thorac Surg** 20(3):326–38, Sep 75

Letter: Telephoners' impetigo. Garcia RL, et al. **Arch Dermatol** 112(8):1178, Aug 76

Telephone typewriter communication for the deaf. Smoski W. **ASHA** 18(3):183–5, Mar 76

An experimental evaluation of alternative communication systems as used for medical diagnosis. Conrath DW, et al. **Behav Sci** 20(5):296–305, Sep 75

How dependable is diagnosis and management of earache by telephone? Nickerson HJ, et al. **Clin Pediatr (Phila)** 14(10):920–3, Oct 75

Telephone management of poisonings using syrup of ipecac. Veltri JC, et al. **Clin Toxicol** 9(3):407–17, 1976

Evaluating the effectiveness of a telephone crisis center from the consumer's viewpoint. Preston J, et al. **Hosp Community Psychiatry** 26(11):719–20, Nov 75

Patients receive current, concise health information by telephone. Bartlett MH, et al. **Hospitals** 50(4):79–80, 82, 16 Feb 76

Can Dial—public cancer information through the telephone. pp. 67–9. Mirand EA.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

WATS (Wide Area Telephone Service) as a method in cancer control. pp. 70–1. Mirand EA.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

The ophthalmologist's office: planning and practice. Telephone requirements. Byron HM. **Int Ophthalmol Clin** 15(2):69–74, Summer 75

Closing the health information gap in a university student community by telephone access to taped health messages. Bartlett MH, et al. **J Am Coll Health Assoc** 24(5):301–6, Jun 76

The anonymous telephone call: making a molehill out of a mountain. Thorn JP. **J Am Coll Health Assoc** 24(4):242–4, Apr 76

The use of the MMPI to predict conscientious hotline workers. Evans DR. **J Clin Psychol** 32(3):684–6, Jul 76

Process and outcome in the evaluation of telephone counseling referrals. Slaikeu KA, et al. **J Consult Clin Psychol** 43(5):700–7, Oct 75

Editorial: The future utility of transtelephone pacemaker monitoring. Furman S. **J Electrocardiol** 9(3):199–202, 1976

Telephone communication network seminars in nursing education. Grexton EM. **J Nurs Educ** 15(3):28–32, May 76

Telephone assessment of illness by practicing pediatricians. Greitzer L, et al. **J Pediatr** 88(5):880–2, May 76

Telephone messages received by seven general practices. Reedy BL. **J R Coll Gen Pract** 25(161):916–23, Dec 75

Mailed versus telephoned appointment reminders to reduce broken appointments in a hospital outpatient department. Shepard DS, et al. **Med Care** 14(3):268–73, Mar 76

Teaching TMR children and adults to dial the telephone. Leff RB. **Ment Retard** 13(3):9–11, Jun 75

Editorial: Specialist phone listings—a blow at professionalism. Tillis BP. **NY State Dent J** 42(4):202–3, Apr 76

Youthline Dunedin: an evaluation of a telephone counselling service. Hattie JA. **NZ Med J** 82(545):80–1, 13 Aug 75

Coping with records, telephone problems in medical office. Beck LC, et al. **Pa Med** 79(2):44–6, Feb 76

CAN-DIAL. An experiment in health education and cancer control. Wilkinson GS, et al. **Public Health Rep** 91(3):218–22, May–Jun 76

Teleconferences: a new idea in continuing education. **Tex Med** 71(9):104–6, Sep 75

Nine-one-one. Ricks TD, et al. **Va Med Mon** 103(4):268–9, Apr 76

Telephonic transmission of electroencephalograms. Mosier JM. **West J Med** 123(2):128–9, Aug 75

[Evolution of documentation of calls at the Brno Centre of First Aid by telephone (author's transl)] Bouček J, et al. **Cesk Psychiatr** 71(5):295–302, Oct 75 (Eng. Abstr.) **(Cze)**

[Some possibilities of prevention in elderly people suicide with regard to aid by telephone (author's transl)] Zemek P, et al. **Sb Lek** 77(10):308–12, Oct 75 (Eng. Abstr.) **(Cze)**

[Ultrasound diagnosis: transmission of echograms at a distance] Levi S. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):561–6, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[Technical theory of the regional medical system – telephone transmission of pacemaker information during after care] Hattori J, et al. **Jpn J Clin Med** 33(8):2473–81, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system – telephone transmission of the electrocardiographic data] Omiya Z, et al. **Jpn J Clin Med** 33(8):2469–72, 10 Aug 75 **(Jpn)**

[Technical theory of the regional medical system – telephone transmission of fetal data] Tsumji Y, et al. **Jpn J Clin Med** 33(8):2482–6, 10 Aug 75 **(Jpn)**

[Hearing levels in a group of telephone operators] Obreja S, et al. **Rev Chir [Otorinolaringol]** 20(3):177–88, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Hygienic evaluation of the methods of twist joining cables with polyethylene insulation in telephone network enterprises] Babenko KV. **Gig Sanit** (3):116, Mar 76 **(Rus)**

[Character of the changes in the cardiovascular system indices in the dynamics of the work day of female telephone operators with differing typological nervous system traits] Matiukhin VV. **Gig Tr Prof Zabol** (8):21–5, Aug 75 (Eng. Abstr.) **(Rus)**

TELERADIOISOTOPE THERAPY see **RADIOISOTOPE THERAPY**

TELESCOPIC PROSTHESIS see **DENTURE, OVERLAY**

TELEVISION

Video display system for fetal and maternal monitoring. Larsen JF, et al. **Acta Obstet Gynecol Scand** 55(3):267–70, 1976

Speed of response of a 50 Hz and a 250 Hz TV system. Lantz B, et al. **Acta Radiol [Diagn] (Stockh)** 16(4):407–16, Jul 75

Three-dimensional reconstruction of the human heart by video technique. Lantz B, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):545–58, Nov 75

Television: a teaching tool for deaf students. Goldfeder C, et al. **Am Ann Deaf** 120(4):406–7, Aug 75

Kids vs. commercials. Lewis MA, et al. **Am Fam Physician** 12(5):126–7, Nov 75

Rx: Mother Goose, hs. Hall CB. **Am J Dis Child** 130(2):137–8, Feb 76

A preliminary report on experienced closed-circuit television users. Goodrich GL, et al. **Am J Optom Physiol Opt** 53(1):7–15, Jan 76

Family television viewing habits and the spontaneous play of preschool children. Singer DG, et al. **Am J Orthopsychiatry** 46(3):496–502, Jul 76

Television in the hospital: programming patients' delusions. Wadeson H, et al. **Am J Orthopsychiatry** 46(3):434–8, Jul 76

Editorial: Health policy 1976: violence, television, and American youth. Somers AS. **Ann Intern Med** 84(6):743–5, Jun 76

An experimental evaluation of alternative communication systems as used for medical diagnosis. Conrath DW, et al. **Behav Sci** 20(5):296–305, Sep 75

Television microscopy studies of pial vessels in the rabbit. Reuse-Blom S. **Bibl Anat** 13:253–4, 1975

Chequerboard pattern reversal using a modified television display to measure visual evoked responses. Johnson F, et al. **Biomed Eng** 11(2):57–8, Feb 76

The use of television in studying postural operative positions. Jeffrey IW, et al. **Br Dent J** 139(5):193–5, 2 Sep 75

The critical assessment of the T.V. film 'The Drug Takers'. Milne HB, et al. **Br J Addict** 70(2):216–20, Jun 75

Editorial: Violence and television. **Br Med J** 1(6014):856, 10 Apr 76

Letter: Psychosurgery on television. Bridges PK, et al. **Br Med J** 1(6016):1018, 24 Apr 76

Suicide and 'The Befrienders'. Holding TA. **Br Med J** 3(5986):751–2, 27 Sep 75

The role of radio and TV spot announcements in public health education. Epstein JB, et al. **Can J Public Health** 66(5):396–8, Sep–Oct 75

SELF-INDUCED TELEVISION EPILEPSY. A study of 2 patients. Clément P, et al. **Can Psychiatr Assoc J** 21(3):163–7, Apr 76

Measurement of ejection fraction in man by videodensitometry. Schuette WH, et al. **Cathet Cardiovasc Diagn** 1(2):223–32, 1975

Television reading system. Blankenagel A, et al. **Child Care Health Dev** 1(5):369–72, Sep–Oct 75

Psychosynthesis, with television technology. Tien HC. **Curr Psychiatr Ther** 15:233–6, 1975

Television in medicine. Codling D. **Dimens Health Serv** 52(10):63, Oct 75

The mass media and violence. Halloran JD. **Forensic Sci** 5(3):209–17, Jun 75

Preliminary observations on media use and food habits of the elderly. Clancy KL. **Gerontologist** 15(6):529–32, Dec 75

Dynamic measurements of anatomical volume, area and position – a TV computer approach. pp. 379–85. Winter DA, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Visualization sciences in fetoscopy. Video augmentation. pp. 44–6. Ando K, et al.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

Television—an important influence in communication on breast cancer. pp. 107–11. Rimer II.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

TV-magic box in a public reality. pp. 112–9. Wirsén C.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

The clinical application of televised fluorescein angiography. Van Heuven WA, et al. **Int Ophthalmol Clin** 16(2):87–93, Summer 76

The response of fluoroscopic image intensifier-TV systems. Baily NA, et al. **Invest Radiol** 11(4):335–7, Jul–Aug 76

Continuous measurement of vascular diameters via television microscopy. Devaney MJ, et al. **ISA Trans** 15(1):73–8, 1976

Use of instructional television: a shared program. Thompson ML, et al. **J Am Diet Assoc** 67(6):573–6, Dec 75

Health care-next stop on the road from Sesame Street. **J Biocommun** 1(1):2–6, Jun 74

Use of television and film in continuing education in the health sciences. A nine year experience. Caldwell KS, et al. **J Biocommun** 1(1):7–16, Jun 74

The mountain goes to Muhammed: broadcast television for continuing education in nursing. Hensley BK, et al. **J Biocommun** 2(1):2–9, Mar 75

Letter: Television and health education. Miller CA. **J Biocommun** 1(2):35, Nov 74

An old prison—a new technology. A model for televised resources to a State Correctional Facility. Sanborn DE 3d, et al. **J Biocommun** 2(2):16–22, Jul 75

An evaluation of a high resolution closed-circuit television link in a hospital radiology department. Sorby WA, et al. **J Can Assoc Radiol** 26(2):158–61, Jun 75

The effects of television on children and adolescents: a gender profile of children's educational TV. Dohrmann R. **J Commun** 25(4):56–65, Autumn 75

The effects of television on children and adolescents: identifying with television characters. Feilitzen CV, et al. **J Commun** 25(4):51–5, Autumn 75

Living with television: The Violence Profile Gerbner G, et al. **J Commun** 26(2):173–99, spring 76

Living with television: the violence profile. Gerbner G, et al. **J Commun** 26(2):173–99, Spring 76

The effects of television on children and adolescents: turned-on toddlers. Halpern WI. **J Commun** 25(4):66–70, Autumn 75

The effects of television on children and adolescents: violence and behavior disorders. McCarthy ED, et al. **J Commun** 25(4):71–85, Autumn 75

The doctor shows. McLaughlin J. **J Commun** 25(3):182–4, Summer 75

Some implications of telemedicine. Park B, et al. **J Commun** 25(3):161–6, Summer 75

In-service training by mass media. Portis B, et al. **J Commun** 25(3):167–70, Summer 75

MIND—a five-state regional approach to continuing dental education. Watkins F. **J Dent Educ** 39(8):522–9, Aug 75

Interactive television and the rural family physician. Sanborn DE 3d, et al. **J Maine Med Assoc** 66(10):276–9, Oct 75

Authoritarianism and All in the Family. Chapko MK, et al. **J Psychol** 90(Second Half):245–8, Jul 75

Letter: Violence on television. **JAMA** 235(15):1550–1, 12 Apr 76

Effect of television violence on children and youth. Rothenberg MB. **JAMA** 234(10):1043–6, 8 Dec 75

Quantitative image analyser using a colour-television display for medical applications. Coyne MB. **Med Biol Eng** 12(3):295–303, May 74

Letter: Television signal interference. Cummings J. **Med Biol Eng** 13(3):325, May 75

Elimination of movement blur in television microscopy. Downing A. **Med Biol Eng** 13(2):318–20, Mar 75

Ferrite beads prevent television interference to vital medical equipment. Neal JL. **Med Biol Eng** 13(1):128, Jan 75

The use of a simple light-pen system with a colour-television image analyser. Stanton MR, et al. **Med Biol Eng** 13(2):311–4, Mar 75

An electronic device using a television picture tube to analyse visual receptive fields of neurons. Veraart C. **Med Biol Eng** 12(3):382–5, May 74

Postgraduate medical television at London University. Gilliland I. **Med Biol Illus** 24(3):123–7, Aug 74

Television in medical education. Holroyde DJ. **Med Biol Illus** 24(4):177–80, Nov 74

Television in the Faculty of Medicine at Glasgow University. A two-year report. MacRitchie J. **Med Biol Illus** 24(4):181–4, Nov 74

Post-mortem teaching using colour television. Nicol AG, et al. **Med Biol Illus** 26(1):31–4, Feb 76

Medical art for television. Prynne T. **Med Biol Illus** 24(4):185–90, Nov 74

Changing student nurse attitudes towards quadriplegics by use of television. Sadlick M, et al. **Med Biol Illus** 25(3):129–32, Aug 75

Retarded children's perceptions of favorite television characters as behavioral models. Baran SJ, et al. **Ment Retard** 13(4):28–31, Aug 75

How they keep TV medical shows honest. Maddox D. **Mod Health Care** 4(5):37–42, Nov 75

Letter: Drug and food advertising on TV. **N Engl J Med** 295(6):343–4, 5 Aug 76

Letter: Violence on TV. **N Engl J Med** 295(5):288–91, 29 Jul 76

Letter: Physician commentators on TV. Feingold M, et al. **N Engl J Med** 293(22):1155, 27 Nov 75

Medicine and public affairs. Drug advertising on TV: a new inquiry. Greenberg DS. **N Engl J Med** 294(17):963–4, 22 Apr 76

Editorial: Medical information on commercial TV. Ingelfinger FJ. **N Engl J Med** 294(11):607–8, 11 Mar 76

Editorial: Violence on tv: an unchecked environmental hazard. Ingelfinger FJ. **N Engl J Med** 294(15):837–8, 8 Apr 76

Letter: TV violence: a case for protest. Johnson GT, et al. **N Engl J Med** 294(18):1007, 29 Apr 76

Violence, television and the health of American youth. Somers AR. **N Engl J Med** 294(15):811–6, 8 Apr 76

The media center. Preparing a teleclass: a case study. **Nurs Outlook** 23(11):681, Nov 75

Film or television? Koch H. **Nurs Outlook** 23(8):489, Aug 75

Editorial: May, 1976—hypertension month. Lapin JH. **NY State J Med** 76(5):669–70, May 76

Television radiographic evaluation of periapical osseous

radiolucencies. Kasle MJ, et al. **Oral Surg** 41(6):789–96, Jun 76

The consequences of imitative behavior in children: the 'Evel Knievel syndrome'. Daven J, et al. **Pediatrics** 57(3):418–9, Mar 76

Does watching violence on television cause apathy? Drabman RS, et al. **Pediatrics** 57(3):329–31, Mar 76

Children and television. Feinbloom RI. **Pediatrics** 57(3):301–3, Mar 76

An inexpensive computer colour television system for the presentation of radionuclide scintigrams. Boardman AK. **Phys Med Biol** 21(2):289–92, Mar 76

The place of EEG telemetry and closed-circuit television in diagnosis and management of epileptic patients. Bowden AN, et al. **Proc R Soc Med** 68(4):246–8, Apr 75

A faster and more accurate instrument for digital measurement of pupil diameter. Juris M. **Psychophysiology** 13(4):363–5, Jul 76

ETV and the handicapped child. Edwards R. **Spec Educ Forward Trends** 3(1):17–9, Mar 76

Television in school—enter ORACLE. Jones C. **Spec Educ Forward Trends** 2(4):13, Dec 75

Television in school. Morgan JH. **Spec Educ Forward Trends** 3(2):10, Jun 76

Closet television. Bakula JG. **Tex Med** 72(6):48–51, Jun 76

Classification of cells in vaginal smears with television microscopy. Blomster J, et al. **Virchows Archiv [Cell Pathol]** 20(3):205–16, 29 Apr 76

[Extraction of peripherally located bronchial foreign bodies using a x-ray picture amplifier with a television loop] Rous J, et al. **Cesk Otolaryngol** 24(6):335–41, Dec 75 (Eng. Abstr.) **(Cze)**

[Fluorescein angiography: televised recording] Sole P, et al. **Bull Soc Ophtalmol Fr** 74(4):395–8, Apr 74 **(Fre)**

[Thermovision applied to relaxation] Julien R, et al. **Encephale** 1(3):237–44, 1975 (Eng. Abstr.) **(Fre)**

[Comparison between static and dynamic noise in x-ray images] Feddema J, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:163–5, 1975 **(Fre)**

[Concept of closed circuit television for the continuing education in dentistry. Society of the dental school and dispensary of Paris] Bouhot G, et al. **Rev Odontostomatol (Paris)** 3(3):245–52, May 74 **(Fre)**

[Studies on a novel antidepressant (viloxazin) by means of time-series analysis of TV data] Renfordt E, et al. **Arzneim Forsch** 26(6):1114–6, 1976 (Eng. Abstr.) **(Ger)**

[Television demonstration of the fundus oculi in reversed image] Genée E, et al. **Ber Dtsch Ophthalmol Ges** (73):480–2, 1975 (Eng. Abstr.) **(Ger)**

[Influence of radio and television sets on implanted cardiac pacemakers (author's transl)] Bisping HJ, et al. **Dtsch Med Wochenschr** 101(17):668–72, 23 Apr 76 (Eng. Abstr.) **(Ger)**

[Röntgen television] pp. 178–88. Kaiser S. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**

[Fluorescence-television-angiography of the retina and anterior segments of the eye with highly sensitive television photographic valves (author's transl)] Wessing A. **Klin Monatsbl Augenheilkd** 165(5):817–22, Nov 74 (Eng. Abstr.) **(Ger)**

[Cardiovascular reactions and risks in television viewers of the soccer world cup matches] Rost R, et al. **Med Welt** 26(14):670–2, 4 Apr 75 **(Ger)**

[Transbronchial brush biopsy under TV-fluoroscopy control (author's transl)] Gullotta U. **Thoraxchirurgie** 23(3):261–4, Jun 75 (Eng. Abstr.) **(Ger)**

[Letter: The importance of the press, radio and television in the advancement of health culture] Konkoly Thege A. **Orv Hetil** 117(14):871–2, 4 Apr 76 **(Hun)**

[Reform of the Italian radio and TV and the active presence of TV watchers. Psychological aspects] Barbagallo A. **Minerva Med** 66(59):3012–7, 12 Sep 75 (Eng. Abstr.) **(Ita)**

[Technical theory of the regional medical system – television transmission system for radiography] Yoshimura K. **Jpn J Clin Med** 33(8):2487–90, 10 Aug 75 **(Jpn)**

[Studies on the x-ray videodensitometry. I. System design and configuration (author's transl)] Suda Y. **Nippon Acta Radiol** 35(7):572–9, 25 Jul 75 (Eng. Abstr.) **(Jpn)**

[A method of multidle body-section repersentation using x-ray television. Study on fluoroscopic tomography. I. (author's transl)] Watanabe C, et al. **Nippon Acta Radiol** 35(6):383–93, 25 Jun 75 (Eng. Abstr.) **(Jpn)**

[Adaptation of television system for teaching of microsurgery] Latkowski B, et al. **Otolaryngol Pol** 30(1):45–8, 1976 (Eng. Abstr.) **(Pol)**

[Measurement of the spatial characteristics of the absorption of biostructures by the method of television microscopy] Bykov RE, et al. **Biol Nauki** (3):119–24, 1976 **(Rus)**

[Experience in the use of film dosimeters at experimental stations of a picture tube factory] Fedoriv IaN. **Gig Sanit** (8):91, Aug 75 **(Rus)**

[Roentgen-television set with the device for dosage rate regulation] Brendel' G, et al. **Med Tekh** (2):57–9, Mar–Apr 75 **(Rus)**

[Television set for visual analysis of roentgenograms] Zhukov EM, et al. **Med Tekh** (2):52–4, Mar–Apr 75 **(Rus)**

[Video-tape in television biomicroscopy] Chernukh AM, et al. **Patol Fiziol Eksp Ter** (2):78–80, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Propagation of medical and hygienic knowledge by means of television] Lykov VM. **Sov Zdravookhr** (8):23–7, 1975 **(Rus)**

[Thermovisography in stomatology] Afanas'ev VV. **Stomatologiia (Mosk)** 54(4):87–92, Jul–Aug 75 **(Rus)**

[Level of complement activity of blood in picture tube testers] Fedoriv IaN. **Vrach Delo** (3):131–4, Mar 74 (Eng. Abstr.) **(Rus)**

[Experiences with percutaneous renal biopsy by 'Tru-Cut' needle with diascopy and TV monitoring] Polenaković M, et al. **God Zb Med Fak Skopje** 21:71–7, 1975 (Eng. Abstr.) **(Ser)**

INSTRUMENTATION

A mobile color television-microscopy console. McGavin MD, et al. **J Biol Photogr Assoc** 43(4):190–2, Oct 75

METHODS

[The highly resolving radiographic amplifier and the television chain] Haendle J. **Roentgenpraxis** 28(7):169–80, Jul 75 **(Ger)**

TELLURIUM

A new Moraxella species isolated on tellurite medium. Raeburn D, et al. **Med Lab Technol** 31(4):283–5, Oct 74

ADVERSE EFFECTS

Proceedings: Hemolysis by tellurium compounds: telluride and tellurate, effect on reduced glutathione. De Meio RH, et al. **J Am Osteopath Assoc** 75(4):430–1, Dec 75

ANALYSIS

Sequential determination of arsenic, selenium, antimony, and tellurium in foods via rapid hydride evolution and atomic absorption spectrometry. Fiorino JA, et al. **Anal Chem** 48(1):120–5, Jan 76

[Data to substantiate the permissible concentration of selenium and tellurium in the atmosphere] Celiankina KP, et al. **Gig Sanit** (10):14–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Determination of tellurium in the air of industrial enterprises] Makedonskaia RN. **Gig Tr Prof Zabol** (6):53–5, Jun 75 **(Rus)**

PHARMACODYNAMICS

Interactions of mercury, cadmium, selenium, tellurium, arsenic and beryllium. pp. 527–43. Groth DH, et al. **In: Nordberg GF, ed. Effects and dose-response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974.** (17 ref.)

Recovery of tellurite resistance by heat injured Streptococcus faecalis. Payne J, et al. **J Gen Microbiol** 94(2):421–4, Jun 76

[Smell threshold and reflex effect on the body of low concentrations of selenium and tellurium dioxides in the air] Iakhimovich NP. **Gig Sanit** (2):101–2, Feb 75 **(Rus)**

TEMARIL see **TRIMEPRAZINE**

TEMPERAMENT see under **PERSONALITY**

TEMPERATURE

see related
BODY TEMPERATURE
THERMOMETERS

Thermal death point of Dermatophagoides pteronyssinus (Trouessart, 1897) (Astigmata, Pyroglyphidae), the house dust mite. Kinnaird CH. **Acarologia** 16(2):340–2, Oct 74

The effect of mean winter temperature around 0 degrees C on the population size of the American dog tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). McEnroe WD. **Acarologia** 17(2):208–19, Oct 75

Pituitary-thyroid interrelationship in rats exposed to different environmental temperatures. Tal E, et al. **Acta Endocrinol (Kbh)** 83(1):99–104, Sep 76

Effect of low temperature on isolated mammalian heart. Shadan F, et al. **Acta Med Iran** 18(1–2):1–3, 1975

Contact probe for corneal temperature measurements. Horven I, et al. **Acta Ophthalmol (Kbh)** 53(6):856–62, Dec 75

Extraosseous variations of temperature during polymerization of acrylic cement in hip arthroplasties. dHollander A, et al. **Acta Orthop Scand** 47(2):186–8, Apr 76

Amphetamine toxicity in temperature-acclimatised mice. Harri MN. **Acta Pharmacol Toxicol (Kbh)** 38(1):1–9, Jan 76

Differential effects of temperature on activity of LDH from seal and sheep skin. Blix AS, et al. **Acta Physiol Scand** 95(1):77–82, Sep 75

The influence of temperature on the time course of the mechanical activity in rabbit papillary muscle. Mattiazzi AR, et al. **Acta Physiol Scand** 97(3):310–8, Jul 76

Growth of Tahyňa virus at low temperatures. Danielová V. **Acta Virol (Praha)** 19(4):327–32, Jul 75

The effect of temperature and urea on virulent and attenuated strains of pseudoabies virus. Golais F, et al. **Acta Virol (Praha)** 19(5):387–92, Sep 75

Reproduction in unadapted and adapted cells at 40 degrees C of herpes simplex virus type 1 and type 2 strains. Szántó J. **Acta Virol (Praha)** 19(4):287–92, Jul 75

Efficiency and loading characteristics of EPA's high-temperature quartz fiber filter media. Lundgren DA, et al. **Am Ind Hyg Assoc J** 36(12):866–72, Dec 75

An improved method for monitoring heat stress levels in the workplace. Mutchler JE, et al. **Am Ind Hyg Assoc J** 37(3):151–64, Mar 76

Associations of coronary and stroke mortality with temperature and snowfall in selected areas of the United States, 1962–1966. Rogot E, et al. **Am J Epidemiol** 103(6):565–75, Jun 76

Temperature and impulse velocity in giant axon of squid Loligo pealei. Easton DM, et al. **Am J Physiol** 229(5):1249–53, Nov 75

Brain indole and catecholamines of turkeys during exposure to temperature stress. El Halawani ME, et al. **Am J Physiol** 230(1):110–5, Jan 76

Electrical activity of small intestinal smooth muscle and its temperature dependence. El-Sharkawy TY, et al. **Am J Physiol** 229(5):1268–76, Nov 75

Effects of temperature on cardiac transmembrane potentials in hibernation. Jacobs HK, et al. **Am J Physiol** 230(2):403–9, Feb 76

Thermostability of duck hepatitis virus. Hwang J. **Am J Vet Res** 36(11):1683–4, Nov 75

Effects of temperature and time on the infectivity of Cryogenically preserved samples of Anaplasma marginale-infected erythrocytes. Love JN, et al. **Am J Vet Res** 37(7):857–8, Jul 76

Morphologic heterogeneity of a strain of swine influenza virus (A/swine/Wisconsin/1/68, Hsw1N1) propagated at different temperatures. Pirtle EC, et al. **Am J Vet Res** 36(12):1783–7, Dec 75

Effect of temperature on survival of free-living stages of Haemonchus contortus. Todd KS Jr, et al. **Am J Vet Res** 37(8):991–2, AUG 76

The temperture inside carbon dioxide absorbers. Lumley J, et al. **Anaesthesia** 31(1):63–8, Jan–Feb 76

Inspired air temperature with immersion heater humidifiers. Geevarghese KP, et al. **Anesth Analg (Cleve)** 55(3):331–4, May–Jun 76

Temperature dependence of brain ATPases in immature and adult rats. Tirri R, et al. **Ann Acad Sci Fenn [Biol]** (204):1–13, 1975

Effect of temperature on con A binding by the cell membrane of Paramecium aurelia. Wyroba E. **Ann Med Sect Pol Acad Sci** 20(2):141–2, 1975

Hypothermia and rewarming by peritoneal dialysis and temperature-controlled inhalate. Sperling DR, et al. **Ann Thorac Surg** 21(2):151–7, Feb 76

Interaction of temperature and psychrophilic microorganisms. Inniss WE. **Annu Rev Microbiol** 29:445–65, 1975

Temperature acclimation in birds and mammals. Chaffee RR, et al. **Annu Rev Physiol** 33:155–202, 1971 (333 ref.)

Effect of temperature on the rate of the transparent to opaque colony type transition in Mycobacterium avium. Woodley CL, et al. **Antimicrob Agents Chemother** 9(1):113–9, Jan 76

Influence of growth temperature on glucose metabolism of a psychotrophic strain of Bacillus cereus. Chung BH, et al. **Appl Environ Microbiol** 31(1):39–45, Jan 76

Temperature limitation of methanogenesis in aquatic sediments. Zeikus JG, et al. **Appl Environ Microbiol** 31(1):99–107, Jan 76

Low-temperature irradiation of beef and methods of evaluation of radappertization process. Anellis A, et al. **Appl Microbiol** 30(5):811–20, Nov 75

Effects of temperature and crude oil composition on petroleum biodegradation. Atlas RM. **Appl Microbiol** 30(3):396–403, Sep 75

Effect of temperature on the sterilization of isopropyl alcohol by liquid propylene oxide. Hart A, et al. **Appl Microbiol** 30(3):483–4, Sep 75

Uptake of exogenous metabolites by virus-transformed cells: changes induced by temperature and pH. Bader JP, et al. **Arch Biochem Biophys** 175(1):196–208, Jul 76

Cold resistance of the brain during hibernation. Temperature sensitivity of the partial reactions of the Na+, K+-ATPase. Goldman SS, et al. **Arch Biochem Biophys** 169(2):540–4, Aug 75

Temperature sensitivity of initiation of protein synthesis in wheat germ cell-free extracts: conversion to temperature insensitivity by the ribosomal wash fraction from rabbit reticulocytes. Zehavi-Willner T, et al. **Arch Biochem Biophys** 172(2):706–14, Feb 76

Effect of thermal environment and caloric intake on head growth of low birthweight infants during late neonatal period. Glass L, et al. **Arch Dis Child** 50(7):571–3, Jul 75

The effect of temperature upon the positive inotropic and chronotropic responses of isolated cardiac preparations to isoprenaline and its modification by experimental variables. Broadley KJ. **Arch Int Pharmacodyn Ther** 220(2):189–204, Apr 76

Influence of temperature and cocaine on responses of the isolated mouse vas deferens to adrenergic amines. Buckner CK, et al. **Arch Int Pharmacodyn Ther** 216(1):19–27, Jul 75

A simple technique for thermal stimulation of single semicircular canals. Mancinelli R. **Arch Ital Biol** 113(3):295–300, Jul 75

Effect of temperature on the viability of Bacillus stearothermophilus. Hashizume S, et al. **Arch Microbiol** 107(1):75–80, Feb 76

Altered phospholipid metabolism in a temperature-sensitive mutant of a thermophilic bacillus. Kostiw LL, et al. **Arch Microbiol** 107(1):49–55, Feb 76

Effect of temperature, salts, pH, and other factors on the development of peritrichous flagella in Vibrio alginolyticus. Ulitzur S. **Arch Microbiol** 104(3):285–8, 28 Aug 75

Birthrates of schizophrenics following relatively warm versus relatively cool summers. McNeil T, et al. **Arch Psychiatr Nervenkr** 221(1):1–10, 23 Dec 75

Clothing, its physiological effects, adequacy in extreme thermal environments, and possibility of future improvements. Goldman RF. **Arch Sci Physiol (Paris)** 27(2):137–47, 1973

Subjective response to relative humidity at two air temperatures. Griffiths ID, et al. **Arch Sci Physiol (Paris)** 27(4):459–66, 1973

The effects of ambient temperature swings on comfort, performance and behaviour. Wyon DP. **Arch Sci Physiol (Paris)** 27(4):441–58, 1973

Arbovirus growth in Aedes aegypti mosquitoes throughout their viable temperature range. McLean DM, et al. **Arch Virol** 41(1):49–57, 1975

Streptomycin and temperature sensitivity of colicin-like activity in Salmonella cultures. Atkinson N. **Aust J Exp Biol Med Sci** 54(1):91–6, Feb 76

The effect of ambient temperature on the growth hormone and prolactin response to exercise. Frewin DB, et al. **Aust J Exp Biol Med Sci** 54(1):97–101, Feb 76

Competition between nonplaquing and plaquing strains of Newcastle disease virus as affected by temperature. Jones T, et al. **Avian Dis** 20(2):293–8, Apr–Jun 76

Acclimation processes by daily exercise stints at temperate conditions followed by short heat exposures. Kamon E. **Aviat Space Environ Med** 47(1):20–5, Jan 76

Thermal enhancement of ultraviolet mutability in a dnaB uvrA derivative of Escherichia coli B/r: evidence for inducible error-prone repair. Witkin EM. **Basic Life Sci** 5A:369–78, 1975

Thermotaxis in a slime mold, Physarum polycephalum. Tso WW, et al. **Behav Biol** 14(4):499–504, Aug 75

Methods of thermal blood flow measurement. Priebe L. **Bibl Radiol** (6):33–44, 1975

A method for investigating the effect of temperature on the 695 nm band of insoluble cytochrome c. Moore TA, et al. **Biochem J** 149(1):169–77, Jul 75

Differential effects of temperature on a membrane adenosine triphosphatase and associated phosphatase. Walker JA, et al. **Biochem J** 151(2):439–42, Nov 75

Effect of temperature upon the conformation of acetylcholine receptors. Rosen G, et al. **Biochem Pharmacol** 25(11):1329–32, 1 Jun 76

Glucose-6-phosphate dehydrogenase from brewers' yeast. The effects of pH and temperature on the steady-state kinetic parameters of the two-chain protein species. Kuby SA, et al. **Biochemistry** 15(9):1975–87, 4 May 76

The effect of temperature on the spectroscopic properties of the heme c octapeptide from cytochrome c. Wagner GC, et al. **Biochim Biophys Acta** 405(1):205–9, 9 Sep 75

Effects of photoperiod and temperature on gonadal activity in the cyprinid teleost, Notemigonus crysoleucas. De Vlaming VL. **Biol Bull** 148(3):402–15, Jun 75

Effects of temperature on the morphology of hemocytes and coagulation process in the mole-crab Emerita (= Hippa) asiatica. Ravindranath MH. **Biol Bull** 148(2):286–302, Apr 75

Effect of temperature on growth of newborn rabbits. Sokal M, et al. **Biol Neonate** 28(1–2):1–11, 1976

The viscosity-temperature function of blood serum and its physio-chemical information content. Reis A, et al. **Biorheology** 13(2):143–8, Apr 76

Temperature dependence of a diffusion-limited immobilized enzyme reaction. Buchholz K, et al. **Biotechnol Bioeng** 18(1):95–104, Jan 76

Profiles for pH, temperature, and dissolved O2 levels in enzyme production: monitoring in small-scale fermentors. Peterson RE, et al. **Biotechnol Bioeng** 17(12):1839–45, Dec 75

Letter: Temperature and the erythrocyte membrane. Hennemann HH. **Blood** 47(5):877, May 76

The influence of temperature on red cell deformability. Williamson JR, et al. **Blood** 46(4):611–24, Oct 75

Modification by temperature of the response of isolated aorta to stimulatory agents and transmural stimulation. Toda N, et al. **Blood Vessels** 13(4):210–21, 1976

Effect of environmental temperatures on oxygen consumption in infants with congenital disease of the heart. Kappagoda CT, et al. **Br Heart J** 38(1):1–4, Jan 76

Proceedings: Temperature dependence of anaesthetic potencies at high pressure. Halsey MJ, et al. **Br J Anaesth** 48(3):264–5, Mar 76

Temperature sensitive cells in the study of carcinogenic transformation. Naha PM. **Br J Cancer** 31(3):338–47, Mar 75

Temperature dependence of water content of stratum corneum. Spencer TS, et al. **Br J Dermatol** 93(2):159–64, Aug 75

The effect of temperature, solids content and pH on the survival of salmonellas in cattle slurry. Jones PW. **Br Vet J** 132(3):284–93, May–Jun 76

Temperature-sensitive neurons in the medulla oblongata of the cat. Lee HK, et al. **Brain Res** 104(1):163–5, 5 Mar 76

Bioassays on the combined effects of chlorine, heavy metals and temperature on fishes and fish food organisms. Part I. Effects of chlorine and temperature on juvenile brook trout (Salvelinus fontinolis). Thatcher TO, et al. **Bull Environ Contam Toxicol** 15(1):40–8, Jan 76

Effects of temperature on the growth of psychrophilic bacteria from glaciers. Gounot AM. **Can J Microbiol** 22(6):839–46, Jun 76

Effect of temperature on the activity and synthesis of glucose-catabolizing enzymes in Pseudomonas fluorescens. Lynch WH, et al. **Can J Microbiol** 21(10):1560–72, Oct 75

Effect of growth temperature on the accumulation of glucose-oxidation products in Pseudomonas fluorescens. Lynch WH, et al. **Can J Microbiol** 21(10):1553–9, Oct 75

Temperature optima for bacteria and yeasts from cold-mountain habitats. Mosser JL, et al. **Can J Microbiol** 22(2):324–5, Feb 76

Temperature and pH optima for 21 species of thermophilic and thermotolerant fungi. Rosenberg SL. **Can J Microbiol** 21(10):1535–40, Oct 75

Temperature-induced alanine oxidation in a psychrotrophic Pseudomonas. Zachariah PK, et al. **Can J Microbiol** 21(12):2028–33, Dec 75

Effects of age, temperature, and previous infection on the development of Physaloptera maxillaris (Nematoda: Physalopteroidea) in field crickets (Acheta pennsylvanicus). Cawthorn RJ, et al. **Can J Zool** 54(4):442–8, Apr 76

Effects of temperature and sex genotype on meristic counts of the gonochoristic cyprinodontid fish Rivulus cylindraceus Poey. Harrington RW Jr, et al. **Can J Zool** 54(2):245–54, Feb 76

Temperature-induced meristic variation among three homozygous genotypes (clones) of the self-fertilizing fish Rivulus marmoratus. Harrington RW Jr, et al. **Can J Zool** 54(7):1143–55, Jul 76

Phase transition of plasma membranes of rat hepatocyte and hepatoma cells by electron diffraction. Hui SW, et al. **Cancer Res** 36(6):1918–23, Jun 76

Temperature and blood flow measurements in and around 7,12-dimethylbenz(a)anthracene-induced tumor and Walker 256 carcinosarcomas in rats. Moller U, et al. **Cancer Res** 35(11 Pt 1):3116–21, Nov 75

T-lymphocyte mediated cytolysis: temperature dependence of killer cell dependent and independent phases and lack of recovery from the lethal hit at low temperatures. Martz E, et al. **Cell Immunol** 20(1):81–91, Nov 75

Human lymphocyte receptor movement induced by sheep erythrocyte binding: effect of temperature and neuraminidase treatment. Yu DT. **Cell Immunol** 14(2):313–20, Nov 74

Temperature dependent changes in the thyroid gland of Mertensiella caucasica (Urodela, Amphibia). Schubert C, et al. **Cell Tissue Res** 165(4):467–75, 28 Jan 76

The influence of temperature on the thyroid gland of Chthonerpeton indistinctum (Gymnophiona, Amphibia). Welsch U, et al. **Cell Tissue Res** 165(4):455–65, 28 Jan 76

Influence of temperature on the detectibility and chromosomal distribution of specific DNA sequences by in situ hybridisation. Moar MH, et al. **Chromosoma** 53(4):345–59, 29 Dec 75

Development of an aqueous temperature-indicating technique and its application to clinical laboratory instrumentation. Bowie L, et al. **Clin Chem** 22(4):449–55, Apr 76

Correct application of liquid-in-glass thermometers for accurate temperature measurements in the clinical laboratory. Ween S. **Clin Chem** 22(7):1112–3, Jul 76

Performance of a rosette assay between lymphocytes and sheep erythrocytes at elevated temperatures to study patients with cancer and other diseases. West WH, et al. **Clin Immunol Immunopathol** 5(1):60–6, Jan 76

Effects of temperature on the viscous behavior of blood from antarctic birds and mammals. Guard CL, et al. **Comp Biochem Physiol [A]** 52(2):287–90, 1 Oct 75

Influences of temperature and humidity on oxygen consumption of five Chihuahuan desert ants. Kay CA, et al. **Comp Biochem Physiol [A]** 52(2):281–6, 1 Oct 75

Adaptive significance in oxygen consumption of frog embryos in relation to the environmental temperatures. Kuramoto M. **Comp Biochem Physiol [A]** 52(1):59–62, 1 Sep 75

Analysis of polynomial functions for determining maximum or minimum conditions in biological systems. Studier EH, et al. **Comp Biochem Physiol [A]** 52(1):19–20, 1 Sep 75

Effect of temperature on the properties of cytoplasmic NADP malate dehydrogenases from liver of warm and cold acclimatized rainbow trout. Baldwin J, et al. **Comp Biochem Physiol [B]** 54(4):531–5, 1976

Influence of temperature upon tricaine methane sulphonate uptake and induction of anthesthesia in rainbow trout (Salmo gairdneri). Houston AH, et al. **Comp Biochem Physiol [C]** 54(1):1–6, 1976

The response of bacterial spores to vacuum treatments. II. Germination and viability studies. Soper CJ, et al. **Cryobiology** 13(1):71–9, Feb 76

Influence of ultraviolet light, various temperatures, and zinc ions on anthralin (dithranol). Biochemical and chemical investigations. Raab WP, et al. **Dermatologica** 150(5):267–76, 1975

Adaptation to novel environments by the rat: effects of age, stimulus intensity, group testing, and temperature. Goodrick CL. **Dev Psychobiol** 8(4):287–96, Jul 75

Short-term changes in incubation temperature: behavioral and physiological effects in the chick embryo from 6 to 20 days. Oppenheim RW, et al. **Dev Psychobiol** 8(2):103–15, Mar 75

Olfactory, thermal, and tactual influences on infantile ultrasonic vocalization in rats. Oswalt GL, et al. **Dev Psychobiol** 8(2):129–35, Mar 75

Manic depressive illness: onset, diurnal temperature and season of birth. Milstein V, et al. **Dis Nerv Syst** 37(7):373–5, Jul 76

Effect of ambient temperatures between 21 degrees C and 35 degrees C on the responses to progressive submaximal exercise in partially acclimated man. Miller GJ, et al. **Ergonomics** 18(5):539–46, Sep 75

Leg muscle metabolism during exercise in the heat and cold. Fink WJ, et al. **Eur J Appl Physiol** 34(3):183–90, 15 Aug 75

Temperature-induced transitions in the conformation of intermediates in the hydrolytic cycle of myosin. Watterson JG, et al. **Eur J Biochem** 56(1):79–90, 1 Aug 75

Observations on the effect of CO2 and temperature on the sickling phenomenon. Rampling MW. **Eur J Clin Invest** 5(5):385–9, 12 Sep 75

Temperature dependent changes of cell growth parameters in Tetrahymena. Jauker F, et al. **Exp Cell Res** 96(2):439–42, Dec 75

Epigenetic influences on the lifespan of the Drosophila: existence of an optimal growth temperature for adult longevity. Cohet Y. **Exp Gerontol** 10(3–4):181–4, Aug 75

Environmental temperature, x-irradiation and ageing insects. De Reggi ML. **Exp Gerontol** 10(6):333–40, 1975

Ambient temperature, physical activity and aging in the housefly, Musca domestica. Ragland SS, et al. **Exp Gerontol** 10(5):279–89, 1975

Radiation-induced life span shortening of Artemia under different temperature conditions. Suyama I, et al. **Exp Gerontol** 11(3–4):133–40, 1976

Dipetalonema viteae: effects of hypo- and hyperthermic stress on microfilaremia in the Mongolian jird, Meriones unguiculatus. Eberhard ML, et al. **Exp Parasitol** 40(1):5–12, Aug 76

The subgenus persicargas (Ixodoidea: Argasidae: Argas). 25. Effect of temperature on diapause termination in female A. (P.) arboreus Kaiser, Hoogstraal and Kohls. Khalil GM, et al. **Exp Parasitol** 39(3):431–7, Jun 76

Toxoplasma gondii: isolation and preliminary characterization of temperature-sensitive mutants. Pfefferkorn ER, et al. **Exp Parasitol** 39(3):365–76, Jun 76

Deleterious effects of copulation in Drosophila females as a function of growth temperature of both sexes. Cohet YA, et al. **Experientia** 32(6):696–7, 15 Jun 76

Effects of temperature on the responses to noradrenaline, isoprenaline and histamine on isolated rabbit mesenteric artery. Reinhardt D, et al. **Experientia** 31(11):1321–2, 15 Nov 75

Effect of temperature on phospholipid syntheses in Ehrlich ascites tumor cells. Barańska J, et al. **FEBS Lett** 65(1):24–9, 15 May 76

The effect of temperature on the cytochrome pattern and respiration of Pseudomonas aeruginosa. Calcott PH, et al. **FEBS Lett** 56(2):318–21, 15 Aug 75

Evidence that the temperature-dependent association of ribosomes with smooth microsomes determined by centrifugal separation may be an artefact. McIntosh PR, et al. **FEBS Lett** 60(2):404–9, 15 Dec 75

Membrane-ribosome interactions: artefacts resulting from the temperature-dependent formation of ribosomal aggregates. McIntosh PR, et al. **FEBS Lett** 60(1):190–6, 1 Dec 75

Effect of temperature-transfer on growth of laboratory populations of a South American annual fish Cynolebias bellottii. Liu RK, et al. **Growth** 39(3):337–43, Sep 75

Enhancement by methylated oxypurines of the frequency of induced chromosomal aberrations. II. Influence of temperature on potentiating activity. Sturelid S, et al. **Hereditas** 80(2):233–46, 1975

A laser stimulator for the study of cutaneous thermal and pain sensations. Meyer RA, et al. **IEEE Trans Biomed Eng** 23(1):54–60, Jan 76

The effect of the thermal environment on neonatal mortality and morbidity. pp. 147–61. Sinclair JC.
In: Adamsons K, Fox HA, ed. Preventability of perinatal injury. New York, Liss, 1975. W1 PR668E v.2 1975. (39 ref.)

Temperature rhythms analyzed by multivariate template. pp. 43–51. Rand WM.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Growth temperature and the structure of the lipid phase in biological membranes. pp. 283–94. Esser AF, et al.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

The biological significance of alterations in the fatty acid composition of microbial membrane lipids in response to changes in environmental temperature. pp. 255–81. McElhaney RN.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Kinetic behavior of a thermophilic enzyme in response to temperature perturbations. pp. 201–12. Middaugh CR, et al.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Temperature effects on transfer RNA. pp. 103–17. Reid BR.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Effect of temperature on membrane proteins. pp. 229–54. Welker NE.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Loose pants and cold scrotal douches: effects on spermatogenesis. pp. 259–62. Hendry WF.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Environmental temperature, thermoregulation, and acute experimental cardiac necrosis. pp. 115–23. Poupa O.
In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.

A multiply temperature-sensitive kanamycin resistance factor and its spontaneous mutants relating to temperature sensitivity. pp. 125–33. Yamamoto T, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

A temperature-sensitive resistance factor obtained from naturally isolated drug-resistant Vibrio cholerae (biotype E1 Tor). pp. 229–36. Yokota T, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Man's preferred ambient temperature during the day. pp. A395–402. Fanger PO, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

The variability of man's preferred ambient temperature from day to day. pp. A403–7. Fanger PO.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Subjective response to relative humidity at two air temperatures. pp. A459–56. Griffiths ID, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

The effects of ambient temperature swings on comfort, performance and behaviour. pp. A441–58. Wyon DP, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

The effect on diapause of photoperiod manipulation at different temperatures. pp. 593–6. Hayes DK, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Circadian and low frequency rhythms in the temperature preference of a lizard. pp. 709–11. Regal PJ.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Dependence of platelet aggregation on pH and temperature. pp. 145–9. Róka L, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Cell reaggregation & its temperature sensitivity. George JV, et al. **Indian J Exp Biol** 13(5):470–3, Sep 75

Studies on Dysdercus koenigii: effect of temperature & humidity on the cerebral & extracerebral neurosecretory cells during postembryonic development. Sharma U, et al. **Indian J Exp Biol** 13(3):315–7, May 75

Temperature-sensitive mutants of rabies virus in mice: a mutant (ts2) revertant mixture selectively pathogenic by the peripheral route of inoculation. Clark HF, et al. **Infect Immun** 13(5):1418–25, May 76

Effect of ambient temperatures on multiplication of attenuated transmissible gastroenteritis virus in the bodies of newborn piglets. Furuuchi S, et al. **Infect Immun** 13(3):990–2, Mar 76

Aerosol vaccination of mice with a live, temperature-sensitive recombinant influenza virus. Jemski JV, et al. **Infect Immun** 13(3):818–24, Mar 76

Thermal inactivation of rabies and other rhabdoviruses: stabilization by the chelating agent ethylenediaminetetraacetic acid at physiological temperatures. Michalski F, et al. **Infect Immun** 14(1):135–43, Jul 76

Further studies of the physical and metabolic properties of foot-and-mouth disease virus temperature-sensitive mutants. Richmond JY, et al. **Infect Immun** 13(5):1392–6, May 76

Phenomenon of hot-cold hemolysis: chelator-induced lysis of sphingomyelinase-treated erythrocytes. Smyth CJ, et al. **Infect Immun** 12(5):1104–11, Nov 75

Pathogenicity of an attenuated, temperature-sensitive mutant of western equine encephalitis virus induced by a chemical mutagen. Takayama N, et al. **Infect Immun** 12(4):858–65, Oct 75

Chemically induced temperature-sensitive mutants of dengue virus type 2: comparison of temperature sensitivity in vitro with infectivity suckling mice, hamsters, and rhesus monkeys. Tarr GC, et al. **Infect Immun** 13(3):688–95, Mar 76

Temperature-dependent inactivating factor of Pseudomonas aeruginosa exotoxin A. Vasil ML, et al. **Infect Immun** 13(5):1467–72, May 76

Temperature-dependent properties of cells transformed by a thermosensitive mutant (TS-121) of polyoma virus. II. Characterization of 121-6 cells. Okada YS, et al. **Int J Cancer** 16(3):394–403, 15 Sep 75

Critical remarks concerning the Q10-values in circadian rhythms. Bünning E. **Int J Chronobiol** 2(4):343–6, 1974

A technique for the continuous recording of tick feeding electrograms and temperature by telemetry from free-ranging cattle. Sweatman GK, et al. **Int J Parasitol** 6(4):299–305, Aug 76

Thermodynamic parameters of transfer of N-acetyl ethyl esters of different amino acids from organic solvents to water. Nandi PK. **Int J Pept Protein Res** 8(3):253–64, 1976

Interpretation and applications of thermal difference spectra of proteins. Nicola NA, et al. **Int J Pept Protein Res** 8(4):393–415, 1976

pH-dependent temperature sensitivity of rat lens phosphofructokinase. Cheng HM, et al. **Invest Ophthalmol** 15(6):505–9, Jun 76

Corneal membrane water permeability as a function of temperature. Green K, et al. **Invest Ophthalmol** 15(4):304–7, Apr 76

Proceedings: Erythrocyte membrane components related to the temperature effect on osmotic fragility. Aloni B, et al. **Isr J Med Sci** 11(11):1187, Nov 75

Effect of temperature on cochlear responses during and after exposure to noise. Drescher DG. **J Acoust Soc Am** 59(2):401–7, Feb 76

Effect of temperature on harmonic content of microphonic response from the second cochlear turn of chinchilla. Drescher DG, et al. **J Acoust Soc Am** 59(3):703–5, Mar 76

Effect of antibacterial agents on the motility of stallion spermatozoa at various storage times, temperatures and dilution ratios. Back DG, et al. **J Anim Sci** 41(1):137–43, Jul 75

Effect of thawing rate and post-thaw temperature on motility and acrosomal-maintenance in bovine semen frozen in plastic straws. Senger PL, et al. **J Anim Sci** 42(4):932–6, Apr 76

Stimulation of follicular activity and estrous behavior in anestrous mares with light and temperature. Sharp DC, et al. **J Anim Sci** 41(5):1368–72, Nov 75

Effects of temperature and nutrients on proteinase production by Pseudomonas fluorescens and Ps. aeruginosa in broth and milk. Juffs HS. **J Appl Bacteriol** 40(1):23–32, Feb 76

Effects of temperature and wind on facial temperature, heart rate, and sensation. LeBlanc J, et al. **J Appl Physiol** 40(2):127–31, Feb 1976

Metabolic and cardiovascular adjustment to work in air and water at 18, 25, and 33 degrees C. McArdle WD, et al. **J Appl Physiol** 40(1):85–90, Jan 76

Temperature-induced changes in blood acid-base status: Donnan rCl and red cell volume. Reeves RB. **J Appl Physiol** 40(5):762–7, May 76

Temperature-induced changes in blood acid-base status: pH and PCO2 in a binary buffer. Reeves RB. **J Appl Physiol** 40(5):752–61, May 76

Effect of temperature on motility and chemotaxis of Escherichia coli. Maeda K, et al. **J Bacteriol** 127(3):1039–46, Sep 76

Effects of growth temperature on yield and maintenance during glucose-limited continuous culture of Escherichia coli. Mainzer SE, et al. **J Bacteriol** 126(1):251–6, Apr 76

Effects of temperature and nutritional changes on the fatty acids of agmenellum quadruplicatum. Olson GJ, et al. **J Bacteriol** 124(1):373–9, Oct 75

Growth rate of Enterobacteriaceae at elevated temperatures: limitation by methionine. Ron EZ. **J Bacteriol** 124(1):243–6, Oct 75

Effect of temperature on the size of Escherichia coli cells. Shehata TE, et al. **J Bacteriol** 124(2):857–62, Nov 75

Temperature dependence of mating-pair formation in Escherichia coli. Walmsley RH. **J Bacteriol** 126(1):222–4, Apr 76

Effects of potassium chloride and temperature on the kinetics of recombination of heavy and light chains of a human IgGl myeloma protein. Azuma T, et al. **J Biochem (Tokyo)** 78(2):335–40, Aug 75

Effect of temperature on hemolysis of human erythrocytes induced by dilauroyllecithin. Kitagawa T, et al. **J Biochem (Tokyo)** 78(2):431–4, Aug 75

The effect of temperature on ribose-5-phosphate isomerase from a mesophile, Thiobacillus thioparus, and a thermophile, Bacillus caldolyticus. Middaugh CR, et al. **J Biochem (Tokyo)** 79(6):1331–44, Jun 76

Thermal regulation of the membrane lipid composition of Escherichia coli. Evidence for the direct control of fatty acid synthesis. Cronan JE Jr. **J Biol Chem** 250(17):7074–7, 10 Sep 75

Omega-cyclohexyl fatty acids in acidophilic thermophilic bacteria. Studies on their presence, structure, and biosynthesis using precursors labeled with stable isotopes and radioisotopes. Oshima M, et al. **J Biol Chem** 250(17):6963–8, 10 Sep 75

Temperature dependence of anaphase chromosome velocity and microtubule depolymerization. Fuseler JW. **J Cell Biol** 67(3):789–800, Dec 75

Photosensitivity and heat resistance conferred by BrdU incorporation upon a thymidine kinase-deficient mouse cell line with persistent mitochondrial enzyme activity. Attardi G, et al. **J Cell Sci** 19(1):55–68, Oct 75

Programmed temperature gas chromatographic analysis of esters of fatty acids. Iverson JL, et al. **J Chromatogr Sci** 13(10):505–8, Oct 75

Effect of temperature on transport and plating media for enteric pathogens. Taylor WI, et al. **J Clin Microbiol** 2(4):281–6, Oct 75

Effect of humidity and temperature changes on orthodontic direct-bonding adhesive systems. Bishara SE, et al. **J Dent Res** 54(4):751–8, Jul-Aug 75

The effect of progressive hypoxia on respiration in the dogfish (scyliorhinus canicula) at different seasonal temperatures. Butler PJ, et al. **J Exp Biol** 63(1):117–30, Aug 75

The effects of temperature and thermal acclimation upon the osmotic properties and nonelectrolyte permeability of liver and gill mitochondria from rainbow trout (Salmo gairdneri). Hazel JR, et al. **J Exp Zool** 195(3):425–38, Mar 76

Temperature as a selective factor in protein evolution: the adaptational strategy of 'compromise'. Somero GN. **J Exp Zool** 194(1):175–88, Oct 75 (30 ref.)

Optimal temperatures for inner-ear performance in gekkonoid lizards. Werner YL. **J Exp Zool** 195(3):319–52, Mar 76

Effect of growth temperature on the lipids of Pseudomonas fluorescens. Gill CO. **J Gen Microbiol** 89(2):293–8, Aug 75

The effects of various growth temperatures on nuclear division, DNA and RNA in the budding yeast, Kluyveromyces fragilis. Penman CS, et al. **J Gen Microbiol** 90(1):181–2, Sep 75

Transformation of human embryonic fibroblasts by photodynamically inactivated herpes simplex virus, type 2 at supra-optimal temperature. Kucera LS, et al. **J Gen Virol** 30(2):257–61, Feb 76

Adenovirus protein maturation at 42 degrees C. Warocquier R, et al. **J Gen Virol** 30(2):233–42, Feb 76

Effects of temperature on hatching and development of Nematospiroides dubius in aerated water. Murua R. **J Helminthol** 49(4):293–6, Dec 75

The role of lymphotoxin in target cell destruction induced by mitogen-activated human lymphocytes in vitro. II. The correlation of temperature and trypsin-sensitive phases of lymphotoxin-induced and lymphocyte-mediated cytotoxicity. Kramer SL, et al. **J Immunol** 116(2):562–7, Feb 76

The effects of cell density, incubation temperature, syngeneic serum, and syngeneic red blood cells on mouse lymphocyte responses in vitro. Brooks CG. **J Immunol Methods** 9(2):171–84, Dec 75

Effects of U.V. light and temperature on the melanization and the formation of daily growth layers of Sarcophaga falculata. Schlein Y. **J Insect Physiol** 21(11):1859–63, Nov 75

Developmental effects of Brugia pahangi (Nematoda: Filarioidea) to high temperature in susceptible genotypes of Aedes aegypti (Diptera: Culicidae). Rodriguez PH. **J Med Entomol** 12(4):447–50, 31 Oct 75

Effect of temperature on embryonic development and egg hatchability of the horse bot, Gasterophilus intestinalis (Diptera: Gasterophilidae). Sukhapesna V, et al. **J Med Entomol** 12(3):391–2, 25 Sep 75

Fusion in phospholipid spherical membranes. I. Effect of temperature and lysolecithin. Breisblatt W, et al. **J Membr Biol** 23(3-4):385–401, 1975

Temperature-dependent changes in activation energies of the transport systems for nucleosides, choline and deoxyglucose of cultured Novikoff rat hepatoma cells and effects of cytochalasin B and lipid solvents. Plagemann PG, et al. **J Membr Biol** 25(3-4):381–96, 1975-76

Thermal responses of carotid body cells. Baron M, et al. **J Neurobiol** 6(5):521–7, Sep 75

Consummatory behavior as a function of ambient temperature in septal-lesioned and control rats. Sanes J, et al. **J Neurosci Res** 1(5-6):333–41, 1975

Effects in the rat of environmental temperature, diet dilution, and treadmill running on liver and adipose enzymes and metabolism of 14C-glucose: a multiple regression analysis. Hartsook EW, et al. **J Nutr** 106(9):1326–35, Sep 76

Effects in the rat of environmental temperature, diet dilution and treadmill running on voluntary food intake, body composition and endocrine organ mass: a multiple regression analysis. Hartsook EW, et al. **J Nutr** 106(9):1314–25, Sep 76

Environmental temperature and the development of Schistosomatium douthitti in mice. Lightner LK. **J Parasitol** 61(5):972–3, Oct 75

Correlation of chigger abundance with temperature at a hyperendemic focus of scrub typhus. Van Peenen PF, et al. **J Parasitol** 62(4):653–4, Aug 76

Thermodilution cardiac output measurement in infants and small children following intracardiac surgery. Alfieri O, et al. **J Pediatr Surg** 10(5):649–56, Oct 75

Effects of cue prominence and palatability on the drinking behavior of obese and normal humans. Kozlowski LT, et al. **J Pers Soc Psychol** 32(6):1055–9, Dec 75

Temperature-related incompatibility between gelatin and calcium carbonate in sugar-coated tablets. Ray-Johnson ML, et al. **J Pharm Pharmacol** 28(4):309–10, Apr 76

The effect of temperature on potassium chloride contracture in cat myocardium. Bassett AL, et al. **J Physiol (Lond)** 258(2):357–75, Jun 76

Proceedings: Effect of temperature on the pCa-tension relation of skinned ventricular muscle of the cat. Brandt PW, et al. **J Physiol (Lond)** 258(2):76P–77P, Jun 76

Proceedings: Effects of ions and temperature on the efflux

of orthophosphate from rabbit vagus nerve fibres. Ferrero J, et al. **J Physiol (Lond)** 254(1):64P–65P, Jan 76

Effects of various ambient temperatures and of heating and cooling the hypothalamus and cervical spinal cord on antidiuretic hormone secretion and urinary osmolality in pigs. Forsling ML, et al. **J Physiol (Lond)** 257(3):673–86, Jun 76

The effect of temperature on desensitization kinetics at the post-synaptic membrane of the frog muscle fibre. Magazanik LG, et al. **J Physiol (Lond)** 249(2):285–300, Jul 75

Proceedings: Temperature-independence of total sodium flow: implications for theory of the active membrane. Offner FF. **J Physiol (Lond)** 252(2):69P, Nov 75

Temperature dependence on the recovery of electrical activities in brain slice during incubation. Fujii T, et al. **J Physiol Soc Jpn** 38(2):43–5, 1976

Proceedings: Body temperature equilibrium in hyperthermia and ambient temperature. Furuyama F, et al. **J Physiol Soc Jpn** 36(8–9):394–5, 1 Sep 74

Strain-dependent thermosensitivity influencing intracellular differentiation of Trypanosoma cruzi in cell culture. Brener Z, et al. **J Protozool** 23(1):147–50, Feb 76

The effect of temperature on the fatty acid composition of Tetrahymena pyriformis WH-14. Conner RL, et al. **J Protozool** 23(1):196–3, Feb 76

The storage of cow eggs at room temperature and at low temperatures. Trounson AO, et al. **J Reprod Fertil** 46(1):173–8, Jan 76

Clearance of bacteriophage in poikilothermic vertebrates and the effect of temperature. Russell WJ, et al. **J Reticuloendothel Soc** 19(2):91–6, Feb 76

Veterinary public health implications of U H T processing of milk. Meara PJ. **J S Afr Vet Assoc** 57(2):105–11, Jun 76 (76 ref.)

Erythrocyte sedimentation rate in the dog and cat: comparison of two methods and influence of packed cell volume, temperature and storage of blood. Jain NC, et al. **J Small Anim Pract** 16(10):671–8, Oct 75

Voluntary consumption of alcohol by baboons. Effects of flavor, concentration and temperature of solution. Elton RH, et al. **J Stud Alcohol** 36(9):1124–30, Sep 75

Molecule numbers associated with the chemotactic migration of neutrophils at various temperatures. Rosen G. **J Theor Biol** 54(2):381–2, Oct 75

Process of infection with bacteriophage phi X174 XLI. Synthesis of defective phi X particles at 15 degrees C. Espejo RT, et al. **J Virol** 19(2):732–42, Aug 76

Alteration of microbial populations in thermal stress. Guthrie RK, et al. **J Water Pollut Control Fed** 48(5):962–5, May 76

Effects of magnesium ion and temperature on the phasic and tonic contractions of the potassium contracture in the pregnant rat myometrium. Osa T. **Jpn J Physiol** 25(6):677–91, 1975

ORD-CD determinations with an inexpensive variable temperature chamber. Burgstahler AW, et al. **Lab Pract** 24(12):812–3, Dec 75

Cold and warm antibodies and graft survival in kidney allograft recipients. Klouda PT, et al. **Lancet** 1(7965):876–8, 24 Apr 76

Letter: Temperature-sensitivity and gentamicin-resistance in Pseudomonas aeruginosa. Seal DV, et al. **Lancet** 2(7933):500–1, 13 Sep 75

Letter: Testicular leukaemia and temperature. Van Eys J, et al. **Lancet** 2(7979):256–7, 31 Jul 76

Changes in the rates of protein synthesis in the brain of goldfish at various temperatures. Lajtha A, et al. **Life Sci** 17(12):1861–8, 15 Dec 75

A thermostatic system for biomedical applications. Lacaz FV, et al. **Med Biol Eng** 13(1):121–2, Jan 75

Two mutations which confer temperature-sensitive radiation sensitivity in the yeast Saccharomyces cerevisiae. Ho KS, et al. **Mutat Res** 33(2–3):157–64, Dec 75

The effects of nutrients and temperature on germination and viability of the ascospores of chaetomium rectopilium. Fergus CL, et al. **Mycologia** 67(4):722–32, Jul–Aug 75

Effect of temperature and relative humidity on spore germination of mycotoxic species of Aspergillus and Penicillium. Mislivec PB, et al. **Mycologia** 67(6):1187–9, Nov–Dec 75

Temperature and light effect on contamination and spore germination of vesicular-arbuscular mycorrhizal fungi. Schenck NC, et al. **Mycologia** 67(6):1189–92, Nov–Dec 75

Unexpectedly rapid action of human interferon in physiological conditions. Dianzani F, et al. **Nature** 257(5528):682–4, 23 Oct 75

Effect of temperature and pressure on polymerisation equilibrium of neuronal microtubules. Engelborghs Y, et al. **Nature** 259(5545):686–9, 26 Feb 76

Letter: Sodium flux, action potential and temperature dependence. Goldman L, et al. **Nature** 257(5526):516–7, 9 Oct 75

Thermodynamic activation parameters of fish myofibrillar ATPase enzyme and evolutionary adaptations to temperature. Johnston IA, et al. **Nature** 257(5527):620–2, 16 Oct 75

Letter: Temperature, phenoxybenzamine and adrenoceptor transformation. Kunos G, et al. **Nature** 259(5540):251–2, 22 Jan 76

Effect of temperature on morphogenetic oscillations in Dictyostelium discoideum. Nanjundiah V, et al. **Nature** 260(5553):705, 22 Apr 76

Marked prolongation of post-tetanic potentiation at a transition temperature in its adaption. Schlapfer WT, et al. **Nature** 258(5536):623–5, 18 Dec 75

Synaptic transmission and effects of temperature at the squid giant synapse. Weight FF, et al. **Nature** 261(5562):720–2, 24 Jun 76

Temperature dependence of biochemical oscillations in cell suspensions of Dictyostelium discoideum. Wurster B. **Nature** 260(5553):703–4, 22 Apr 76

The effect of storage temperature on the second day methylene-blue test. Rahko S. **Nord Vet Med** 28(3):177–83, Mar 76

The effects of thermal injury on pulpal hydrolases. DelBalso AM, et al. **Oral Surg** 40(6):801–3, Dec 75

Letter: Neurophysiological investigation of spinal reflexes at different temperatures of the spinal cord in birds and reptiles. Görke K, et al. **Pfluegers Arch** 359(3):269–71, 9 Sep 75

Alp and valley cattle: exercise in cold, hot and high environments. Hays FL. **Pfluegers Arch** 362(2):185–92, 30 Mar 76

Responses of Midbrain raphe neurons to local temperature. Hori T, et al. **Pfluegers Arch** 364(2):205–7, 30 Jul 76

Effect of ouabain and potassium-free solution on mammalian thermosensitive afferents in vitro. Pierau FK, et al. **Pfluegers Arch** 359(4):349–56, 29 Sep 75

Separation of water and ambient temperature effects on polydipsia. Carlisle HJ, et al. **Physiol Behav** 16(2):121–4, Feb 76

Ability of rats with ventromedial hypothalamic lesions to work: effects of ambient temperature. Colby JJ, et al. **Physiol Behav** 15(1):31–5, Jul 75

Effect of different environmental temperatures on the serotonin concentration and turnover in the brain stem of a hibernator. Novotná R, et al. **Physiol Bohemoslov** 25(1):37–42, 1976

Influence of single administration of different diets on the energy metabolism at temperatures of 10,20 and 30 degrees C in the golden hamster. Simek V. **Physiol Bohemoslov** 25(3):251–3, 1976

Use of temperature-sensitive mutants of influenza A virus as live virus vaccine strains. Evaluation in laboratory animals, adults and children. Murphy BR, et al. **Postgrad Med J** 52(608):381–8, Jun 76

The effect of environmental temperature and sodium intake on 22Na retention. Abdel-Malek MT, et al. **Poult Sci** 54(2):624–5, Mar 75

Energy requirement of roosters as influenced by environmental temperature, dietary energy and age. Ahmad MM, et al. **Poult Sci** 55(4):1561–3, Jul 76

The influence of short term exposure to two different environmental temperatures on electrolyte concentrations of fowl semen. Cummings VT, et al. **Poult Sci** 55(3):857–61, May 76

The effects of environmental temperature on fertility of the domestic fowl. Huston TM. **Poult Sci** 54(4):1180–4, Jul 75

The relationship of circulating levels of estrogens, corticosterone and calcium to production performance of adult turkey hens under conditions of increasing ambient temperature. Kohne HJ, et al. **Poult Sci** 55(1):277–85, Jan 76

Effects of different temperature regimens on body composition and carry-over effects on energy metabolism of growing chickens. Swain S, et al. **Poult Sci** 54(2):513–20, Mar 75

Heat loss in relation to plane of nutrition and thermal environment. Mount LE. **Proc Nutr Soc** 35(1):81–6, May 76 (28 ref.)

The effect of temperature on size and structure. II. The body musculature of Cyclops agilis (Koch, Sars). Campbell E, et al. **Proc R Ir Acad [B]** 75(20):391–9, 1975

Structural changes in glyceraldehyde-3-phosphate dehydrogenase during temperature acclimation of rainbow trout. Ranuska FS, et al. **Proc Soc Exp Biol Med** 152(3):385–8, Jul 76

Effects of ambient temperature and relative humidity on serum prolactin and growth in heifers. Tucker HA, et al. **Proc Soc Exp Biol Med** 151(3):623–6, Mar 76

Interaction effects of d-amphetamine treatment and ambient temperature on rat's food intake. Yehuda S. **Psychopharmacologia** 45(3):229–32, 2 Feb 76

Efficacy of tri-tab (T3 uptake diagnostic kit) under extreme temperature conditions. Richards PA, et al. **Radiol Technol** 47(5):287–90, Mar–Apr 76

Reversibility of thermal injury to myocardial protein synthesis. Taegtmeyer H, et al. **Recent Adv Stud Cardiac Struct Metab** 8:117–27, 1975

Myocardial metabolism at different environmental temperatures in experimental myocardial necrosis. Tajuddin M, et al. **Recent Adv Stud Cardiac Struct Metab** 6:167–74, 1975

Temperature and vision. Ali MA. **Rev Can Biol** 34(3):131–77, Sep 75 (188 ref.)

Temperature of mixed venous blood during exercise. Brundin T. **Scand J Clin Lab Invest** 35(6):539–43, Oct 75

Thermal transitions in human plasma low density lipoproteins. Deckelbaum RJ, et al. **Science** 190(4212):392–4, 24 Oct 75

Arrhythmically singing crickets: thermoperiodic reentrainment after bilobectomy. Rence B, et al. **Science** 190(4212):385–7, 24 Oct 75

Effects in mice of high and low environmental temperature on the maternal and fetal toxicity of 2-sec-butyl-4,6-dinitrophenol (dinoseb) and on disposition of [14C]-dinoseb(12). Preache MM, et al. **Teratology** 12(2):147–56, Oct 75

Influence of time, temperature and platelet concentration on dog platelet aggregation. Brackett DJ, et al. **Thromb Res** 8(4):441–51, Apr 76

Room temperature storage of platelets. Murphy S, et al. **Transfusion** 16(1):2–3, Jan–Feb 76

Changes in the composition of milk and rumen contents in cows exposed to a high ambient temperature with controlled feeding. Bandaranayaka DD, et al. **Trop Anim Health Prod** 8(1):38–46, Feb 76

Meat temperature and EEC regulations. Cutting CL. **Vet Rec** 97(24):471–2, 13 Dec 75

A thermosensitive property of bullfrog rhodopsin. Sillman AJ. **Vision Res** 16(4):419–20, 1976

Temperature and hydrostatic pressure effects on gelatinase activity of a Vibrio sp. and partially purified gelatinase. Weimer MS, et al. **Z Allg Mikrobiol** 14(8):719–25, 1974

Influence of temperature and composition on some physical properties of milk and milk concentrates. IV. Thermal expansion. Fernández-Martín F. **Z Lebensm Unters Forsch** 157(1):14–8, 7 Feb 75

The role of temperature factors in the epidemiology of listeriosis. Durst J. **Zentralbl Bakteriol [Orig A]** 233(1):72–4, Sep 75

[UHT—behandeling van melk (author's transl)] Lombard SH. **J S Afr Vet Assoc** 57(2):101–4, Jun 76 (Eng. Abstr.) **(Afr)**

[Changes in the tryptophan content in the body of layers under the effect of an environmental temperature-humidity regimen] Baĭkov B. **Vet Med Nauki** 13(3):26–31, 1976 (Eng. Abstr.) **(Bul)**

[Effect of high temperatures in the housing on some indices of carbohydrate metabolism in layers] Petkov G. **Vet Med Nauki** 13(3):21–5, 1976 (Eng. Abstr.) **(Bul)**

[Use of catgut to reduce the exothermic reaction of polymetacrylates in practice (author's transl)] Pavlanský R, et al. **Acta Chir Orthop Traumatol Cech** 42(6):532–9, Dec 75 (Eng. Abstr.) **(Cze)**

[Influence of temperature changes and storing at 4 degrees c on HL-A lymphocytotoxins in the human sera (author's transl)] Májský A. **Cas Lek Cesk** 114(38):1176–8, 19 Sep 75 (Eng. Abstr.) **(Cze)**

[Thermodiagnostic study on vasodilator effects of Neopeviton] Kadeřávek F. **Fysiatr Reumatol Vesta** 53(4):220–6, Aug 75 (Eng. Abstr.) **(Cze)**

[Thermotolerance of the Candida. Relationships with ecology, pathology and taxonomy (author's transl)] Saëz H, et al. **Ann Parasitol Hum Comp** 50(6):821–9, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Effect of ambient temperature on metabolism and heart rate of resting albino rats] Bernet F, et al. **Arch Int Physiol Biochim** 83(4):633–45, Oct 75 (Eng. Abstr.) **(Fre)**

[Effects of photoperiod and ambient temperature on circannual rhythms of body weight and adrenal cortex activity in European hamster (Cricetus cricetus)] Canguilhem B, et al. **Arch Sci Physiol (Paris)** 28(1):113–26, 1974 (Eng. Abstr.) **(Fre)**

[Effects of temperature on the morphogenesis of ovocytes of Bombyx mori L] Legay JM. **C R Acad Sci [D] (Paris)** 282(13):1313–6, 29 Mar 76 (Eng. Abstr.) **(Fre)**

[The effect of temperature on the reproductive function of female crabs, Pachygrapsus marmoratus (Fabricius)] Pradeille-Rouquette M. **C R Acad Sci [D] (Paris)** 281(11):711–3, 15 Sep 75 (Eng. Abstr.) **(Fre)**

[Influence exerced by the season on the modifications of lipid metabolism induced by an increase of the ambiant temperature in the rat] Jouanneteau J, et al. **C R Soc Biol (Paris)** 169(6):1526–34, 1975 (Eng. Abstr.) **(Fre)**

[Relationship between changes in respiratory metabolism and usage of the pentose cycle in Bombyx mori L. exposed to different temperatures] Moreau R. **C R Soc Biol (Paris)** 169(4):953–8, 1975 (Eng. Abstr.) **(Fre)**

[Instrumental reconditioning at an ambient temperature of 35 +/- 1 degrees C after suppression of the reward in growing rat] Rapaport A. **C R Soc Biol (Paris)** 169(3):536–40, 1975 (Eng. Abstr.) **(Fre)**

[Effect of temperature on preservation of brucella vaccines] Pilet C, et al. **Dev Biol Stand** 31:314–22, 1976 (Eng. Abstr.) **(Fre)**

[Comparison of growth and morphological differentiation of 22 strains of Emmonsia Ciferri et Montemartini, 1959, agent of adiasporomycosis, in different temperatures] Boisseau-Lebreuil MT. **Mycopathologia** 57(2):63–72, 23 Dec 75 (Eng. Abstr.) **(Fre)**

[Relationship between the degree of heterozygosity and homeostasis in quail embryos incubated at low temperature] Boesiger E. **Rev Suisse Zool** 82(1):27–34, May 75 (Eng. Abstr.) **(Fre)**

[Effect of temperature on the resistance to hypoxia in newborn rats] Blancher G, et al. **Therapie** 31(2):217–21, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Influence of temperature on enzyme activity determination in serum : L-aspartate aminotransferase isoenzymes] Lüdtke B, et al. **Acta Biol Med Ger** 34(8):1339–46, 1975 (Eng. Abstr.) **(Ger)**

[Evaluation of blood glucose concentration following exertion. 4. Total scatter values of blood glucose concentration for the estimation of exertion degree through physical exercise in the domestic swine with varying environmental temperatures] Bünger U, et al.

Arch Exp Veterinaermed 28(2):205–12, 1974 (Eng. Abstr.) **(Ger)**

[Temperature measurements during polymerization of bone cement] Seyfarth M, et al. **Beitr Orthop Traumatol** 22(12):662–6, Dec 75 **(Ger)**

[Saw with cooling device for use in bone surgery] Orum J. **Biomed Tech (Stuttg)** 20(5):198–9, Oct 75 **(Ger)**

[Measurement and recording of pollutants, waste gas quantities, and temperatures in industrial smokestacks] Köhler K. **Gesund Ing** 96(10):264–72, Oct 75 **(Ger)**

[Measurements of heat insulation in damp building parts] Schüle W, et al. **Gesund Ing** 97(1–2):17–8, 23–6, Jan–Feb 76 **(Ger)**

[Economically optimal temperature protection in one family home. Critical considerations on optimizing calculations. 1.] Werner H, et al. **Gesund Ing** 97(1–2):27–31, Jan–Feb 76 **(Ger)**

[Protection of erythrocytes in D2O against damage by hyperthermy and freezing (author's transl)] Wenzel M. **J Clin Chem Clin Biochem** 14(4):185–8, Apr 76 (Eng. Abstr.) **(Ger)**

[Effect of temperature on heart preservation over 24 hours] Stockmann U. **Langenbecks Arch Chir** Suppl:99–102, 1975 (Eng. Abstr.) **(Ger)**

[Influence of ecological factors on the essential oils and flavonoids of two camomile cultivars. 2.: Effect of light and temperature (author's transl)] Franz VC, et al. **Planta Med** 27(1):46–52, Feb 75 (Eng. Abstr.) **(Ger)**

[Effects of various room temperatures with an almost N-free diet on the morphology of the thyroid gland and on the concentration of individual serum components in rats] Blähser S, et al. **Verh Anat Ges** 68:771–81, 1974 (Eng. Abstr.) **(Ger)**

[Stability of streptokinase in various media with varying temperatures] Martin M, et al. **Verh Dtsch Ges Inn Med** 81:1154–5, 1975 **(Ger)**

[Effect of various temperatures on metabolism, phagocytosis, and vitality of Tetrahymena pyriformis] Burmeister J. **Z Allg Mikrobiol** 16(4):247–54, 1976 **(Ger)**

[Influence of varity and storage-temperature on the substances involved in the enzymatic colour-change of potatoe bulbs (author's transl)] Amberger A, et al. **Z Lebensm Unters Forsch** 156(4):231–6, 13 Nov 74 (Eng. Abstr.) **(Ger)**

[The importance of temperature on storage of ground natural spices (author's transl)] Koller WD. **Z Lebensm Unters Forsch** 160(2):143–7, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[The attachment response of the cercaria of Schistosoma mansoni. Influence of natural substrates and temperature (author's transl)] Haas W. **Z Parasitenkd** 49(1):63–72, 31 Mar 76 (Eng. Abstr.) **(Ger)**

[Post mortem temperature equilibration of the structures of the head. I. Thermometric techniques and principal investigations (author's transl)] Brinkmann B, et al. **Z Rechtsmed** 78(1):69–82, 30 Jun 76 (Eng. Abstr.) **(Ger)**

[Morphology and physiology of perirenal fatty tissue in the calf and the influence of the surrounding temperature on its function. I. Introduction, problem definition, description of animal experiments] ter Meulen U, et al. **Z Tierphysiol** 35(2–3):128–43, Jul 75 (Eng. Abstr.) **(Ger)**

[Morphology and physiology of the perirenal fatty tissue in the calf and the influence of the surrounding temperature of its function. 2. Methodology and experimental results (Experiments I and II)] ter Meulen U, et al. **Z Tierphysiol** 35(2–3):144–63, Jul 75 (Eng. Abstr.) **(Ger)**

[Morphological and physiological studies on the perirenal adipose tissue of calves and the influence of the ambient temperature on its function. 4. Experimental results] Ter Meulen VU, et al. **Z Tierphysiol** 35(5):243–56, Sep 75 (Eng. Abstr.) **(Ger)**

[Morphological and physiological studies on the perirenal adipose tissue in calves and the influence of the ambient temperature on its function. 3. Experimental results (III and IV)] Ter Meulen VU, et al. **Z Tierphysiol** 35(5):228–42, Sep 75 (Eng. Abstr.) **(Ger)**

[Influence of the massive transfusion of cold and warmed preserved blood on the oxygen-transport function of the blood] Lun A, et al. **Zentralbl Chir** 100(22):1364–71, 1975 **(Ger)**

[Electrophoretic profile of thermostable and thermoresistant Herpesvirus proteins] Cassai E, et al. **Ann Sclavo** 17(2):219–21, Mar–Apr 75 **(Ita)**

[Depression of muscle contraction: molecular weight of drugs and temperature] Fubini B, et al. **Boll Soc Ital Biol Sper** 51(23):1809–14, 15 Dec 75 **(Ita)**

[Soaking temperature and enzyme activation in seeds of Phaseolus vulgaris L.] Riggio Bevilacqua L, et al. **Boll Soc Ital Biol Sper** 51(4):220–6, 28 Feb 75 **(Ita)**

[In vitro studies on the potentiation of the activity of Daunomycin. Effect of temperature] Bossa R, et al. **G Ital Chemioter** 20(1–4):52–4, Jan–Dec 73 (Eng. Abstr.) **(Ita)**

[Thermal and noise pollution] Clonfero E. **Med Lav** 66(6):623–34, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Climatology of the vertical thermal gradient in the 1st 120 meters above the Po Plains] Ermini V. **Minerva Ecol Idroclimatol Fis Nucl** 15(3):97–106, Jul–Sep 75 (Eng. Abstr.) **(Ita)**

[Microclimate conditions in the steering cabins of locomotives. I. Winter period] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(2–3):126–50, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

[Microclimate conditions in the steering cabins of locomotives. II. Summer period] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(2–3):151–9, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

[Study of the influence of some meteorological factors in arthrosis] Capone M, et al. **Reumatismo** 24(2):144–7, Apr–Jun 72 **(Ita)**

[Determination of H.S.A.P. (Heat Stable Alkaline Phosphatase) in the normal and pathological pregnancy] Rondinelli M, et al. **Riv Ital Ginecol** 56(3):171–85, May 75 (Eng. Abstr.) **(Ita)**

[Study of some operative aviation activities in Italy, with reference to thermal conditions and their effect on resistance to accelerations and psychomotor performance] Rota P. **Riv Med Aeronaut Spaz** 35(3–4):202–22, Jul–Dec 72 (Eng. Abstr.) **(Ita)**

[Influences of the complex of environmental temperature, relative humidity and air velocity on the body temperature of restrained mice (author's transl)] Yamauchi C, et al. **Exp Anim (Tokyo)** 24(4):143–50, Oct 75 (Eng. Abstr.) **(Jpn)**

[Temperature dependence of inner structure in dental amalgam (author's transl)] Onagawa J, et al. **J Jpn Soc Dent Appar Mater** 17(37):1–4, Jan 76 (Eng. Abstr.) **(Jpn)**

[Proceedings: Effects of spinal thermal stimulation on visceral organs with smooth muscles] Iriki M, et al. **J Physiol Soc Jpn** 36(8–9):291, 1 Sep 74 **(Jpn)**

[Proceedings: Conditions for optimum temperature] Osada Y, et al. **J Physiol Soc Jpn** 36(8–9):390, 1 Sep 74 **(Jpn)**

[Proceedings: Membrane potentials and resistance in the red blood cells in newts; actions of inhibitors on PO2 and temperature effects] Yukibuki S, et al. **J Physiol Soc Jpn** 36(8–9):369–70, 1 Sep 74 **(Jpn)**

[Proceedings: Changes of bladder movement evoked by spinal cord heating and cooling in decerebrated and chordotomized animals] Tsuchiya K, et al. **Jpn Arch Intern Med** 11(4):238–40, Dec 75 **(Jpn)**

[Genetic studies on temperature-sensitive mutants of Lactobacillus casei phage J1 (author's transl)] Ichioka S, et al. **Virus (Tokyo)** 23(2):148–56, Jun 73 (Eng. Abstr.) **(Jpn)**

[Changes in the activity of the thyroid gland in polar foxes as a function of age and varying temperatures of the environment] Bieguszewski H, et al. **Pol Arch Weter** 17(4):649–58, 1975 **(Pol)**

[Effect of temperature and storage time of industrial feed mixtures on the occurrence of presence of Staphylococcus aureus] Borkowska-Opacka B, et al. **Pol Arch Weter** 18(1):35–43, 1975 (Eng. Abstr.) **(Pol)**

[Effect of temperature on the activity of the thyroid gland in 8-week-old chickens] Jastrzębski M, et al. **Pol Arch Weter** 18(1):87–95, 1975 (Eng. Abstr.) **(Pol)**

[Effect of temperature on the dark reduction of photooxidized bacteriochlorophyll P870 in Rhodospirillum rubrum photosynthetic bacteria] Lukashev EP, et al. **Biol Nauki** (7):48–55, 1975 **(Rus)**

[Reversible thermal decoloration of the violet membrane complex of bacteriorhodopsin] Plakunova VG. **Biol Nauki** (8):56–9, 1975 **(Rus)**

[Intensity of respiration and the metabolism of phospholipids in isolated brain tissues of rats at various temperatures in the presence of KCN] Gasteva SV, et al. **Biull Eksp Biol Med** 79(4):53–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of temperature on the hydrolytic breakdown of cocarboxylase hydrochloride] Koval'chuk TV, et al. **Farmatsiia** 24(4):63–5, Jul–Aug 75 **(Rus)**

[The effect of environmental temperature on the state of the blood coagulation system] Asmakova TG, et al. **Fiziol Zh SSSR** 61(11):1675–80, Nov 75 **(Rus)**

Vascular reflexes in intact and spinal cats following local thermostimulation of the skin] Tsitsurin VI. **Fiziol Zh SSSR** 62(4):578–85, Apr 76 (Eng. Abstr.) **(Rus)**

[Electrical and contractile activity of the myocardium during a change in temperature] Vedernikov IuP. **Fiziol Zh SSSR** 61(10):1454–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of temperature sensitive mutants in a culture of Chinese hamster cells] Chernikov VG, et al. **Genetika** 12(1):78–87, 1976 (Eng. Abstr.) **(Rus)**

[Resistance of the body to hexachlorbenzol under various combinations of air temperature and UV-irradiation] Gabovich RD, et al. **Gig Sanit** (8):17–21, Aug 75 (Eng. Abstr.) **(Rus)**

[Method of hygienic evaluation of means of individual protection of humans] Gorodinskii SM, et al. **Gig Sanit** (8):62–6, Aug 75 **(Rus)**

[Data on the toxicity characteristics of iodine vapors under conditions of increased air temperature (experimental data)] Begishev A. **Gig Tr Prof Zabol** (6):38–41, Jun 75 **(Rus)**

[Action of methylmercaptophos in various combinations of elevated air temperature and ultraviolet irradiation] Gabovich RD, et al. **Gig Tr Prof Zabol** (9):52–3, Sep 75 **(Rus)**

[State of the partial kidney functions in workers exposed to the action of high temperature] Savvidi Khk, et al. **Gig Tr Prof Zabol** (3):29–31, Mar 76 (Eng. Abstr.) **(Rus)**

[Effect of sodium selenite on the development and fertility of the cabbage moth under different temperature conditions] pp. 171–4. Abdinbekova AA, et al. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**

[Temperature regimes for the formation and germination of Thermoactinomyces vulgaris endospores] Kirillova IP, et al. **Izv Akad Nauk SSSR [Biol]** (6):910–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of conditions of maintenance of the eggs of mosquitoes of the genus Aedes on the emergence of larvae] Iakubovich VIa. **Med Parazitol (Mosk)** 44(4):438–43, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Thermophilic and thermotolerant bacteria that assimilate methane] Malashenko IuR, et al. **Mikrobiologiia** 44(5):855–62, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Temperature sensitivity of mutations in species of the virillis group of Drosophila. III. The maternal influence and dominance of lethals in D. virillis Sturt. X D. littoralis Sokolov hybrids] Mitrofanov VG, et al. **Ontogenez** 6(4):389–91, 1975 (Eng. Abstr.) **(Rus)**

[Temperature sensitivity of mutations in species of the virillis group of Drosophila. III. The maternal influence and dominance of lethals in D. virillis Sturt. X D. littoralis Sokolov hybrids] Mitrofanov VG, et al. **Ontogenez** 6(4):389–91, 1975 (Eng. Abstr.) **(Rus)**

[Parasitic fauna of fishes in the 'Chilu-chor Chashma' Spring (Tadzhik SSR) with a constant and high water temperature] Daniiarov MR. **Parazitologiia** 9(4):312–4, Jul–Aug 75 **(Rus)**

[Effect of the temperature regimen on the kinetic and thermodynamic functions of the enzyme urease in the helminths of warm-blooded and cold-blooded animals] Shishova-Kasatochkina OA, et al. **Parazitologiia** 10(3):232–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Role of photoperiodism and temperature in the induction of diapause in the egg phase of Aedes caspius caspius Pall. (Diptera, Culicidae)] Vinogradova EB. **Parazitologiia** 9(5):385–92, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of temperature and the active acidity of the medium on the metabolism of reserve carbohydrates and the survivability of baker's yeast] Chernysh VG, et al. **Prikl Biokhim Mikrobiol** 11(5):662–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Stableness of the alkaline protease of the fungus Torula thermophila strain UzPT-1 to heating and the action of Ca2+ ions] Karavaeva NN, et al. **Prikl Biokhim Mikrobiol** 11(5):704–10, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Structure of Candida tropicalis K-41 thermotolerant yeasts at various growing temperatures on a mineral medium with hydrocarbons] Stepaniuk VV, et al. **Tsitol Genet** 9(5):429–35, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of a varying concentration of boron on the tempo of Paramecium caudatum multiplication depending on the temperature of the medium] Ambartsumian MA. **Tsitologiia** 17(9):1094–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Clinical physiological indices in calves at a high air temperature] Shalimov VV, et al. **Veterinariia** (9):92–4, Sep 74 **(Rus)**

[Effect on the acoustic analyzer of high temperature and moderate hypoxia] Lapaev EV, et al. **Voen Med Zh** (1):53–4, Jan 76 **(Rus)**

[Molecular aspects of the interaction of albumin and tannined erythrocytes in the process of hemosensitization. II. The effect of temperature] Tsarevskii IuP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):99–103, May 75 (Eng. Abstr.) **(Rus)**

[Changes of blood gases and acid-base equilibrium due to hyperthermal water baths in patients with bronchial asthma and in healthy persons] Matej M, et al. **Fysiatr Reumatol Vestn** 54(1):3–8, Feb 76 (Eng. Abstr.) **(Slo)**

[Effect of temperature on the reaction of Datura stramomium L. plants infected with potato virus X] Grma DP, et al. **Mikrobiol Zh** 37(3):381–3, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Effect of temperature conditions of cultivation of thermotolerant Candida tropicalis K-41 on the amino acid composition of cells] Kvasnikov EI, et al. **Mikrobiol Zh** 37(3):377–9, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Electron microscopic study of adenoviral infection in HeLa cells cultured under conditions of supraoptimal temperature] Mikhailova EG, et al. **Mikrobiol Zh** 37(2):234–7, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Effect of temperature and proteolytic enzymes on the immunological properties of 2 acid neurospecific antigens] Berezhnoĭ GA, et al. **Ukr Biokhim Zh** 48(3):343–7, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

TEMPERATURE SENSE

Engineering applications of comfort data. Nevins RG. **Arch Sci Physiol (Paris)** 27(4):433–9, 1973

The effects of added clothing on warmth and comfort in cool conditions. McIntyre DA, et al. **Ergonomics** 18(2):205–11, Mar 75

Man's preferred ambient temperature during the day. pp. A395–402. Fanger PO, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

The variability of man's preferred ambient temperature from day to day. pp. A403–7. Fanger PO.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Physiological bases of warm discomfort for sedentary man. pp. A409–24. Gagge AP, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Subjective response to relative humidity at two air temperatures. pp. A459–56. Griffiths ID, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Engineering applications of comfort data. pp. A433–9. Nevins RG.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Prediction of thermal sensation with a simple thermoregulatory model. pp. A425–32. Nevins RG, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

The effects of ambient temperature swings on comfort, performance and behaviour. pp. A441–58. Wyon DP, et al.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Trigeminal projections in snakes possessing infrared sensitivity. Schroeder DM, et al. **J Comp Neurol** 169(1):1–11, 1 Sep 76

[Sensation of cold in a spruce forest] Mayer H, et al. **Int J Biometeorol** 19(3):210, Nov 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Setpoint for human temperature based on sensory responses] Fujishima K, et al. **J Physiol Soc Jpn** 36(8–9):390–1, 1 Sep 74 **(Jpn)**

[Proceedings: Reception of infrared rays by the skin] Hanaoka T. **J Physiol Soc Jpn** 36(8–9):309, 1 Sep 74 **(Jpn)**

[Reflex interaction between the visual and skin temperature analyzers in focal lesions at the level of the optic thalamus and brain stem] Kurilova LM, et al. **Zh Nevropatol Psikhiatr** 75(6):849–52, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lack of effect of partial spinal cord sections upon thermal discrimination in the monkey. Eidelberg E, et al. **Appl Neurophysiol** 38(3):145–52, 1975

Man's preferred ambient temperature during the day. Fanger PO, et al. **Arch Sci Physiol (Paris)** 27(4):395–402, 1973

The variability of man's preferred ambient temperature from day to day. Fanger PO. **Arch Sci Physiol (Paris)** 27(4):403–7, 1973

Physiological bases of warm discomfort for sedentary man. Gagge AP, et al. **Arch Sci Physiol (Paris)** 27(4):409–24, 1973

Physiological responses and warm discomfort during heat strain. Gonzalez RR, et al. **Arch Sci Physiol (Paris)** 27(4):563–71, 1973

Subjective response to relative humidity at two air temperatures. Griffiths ID, et al. **Arch Sci Physiol (Paris)** 27(4):459–66, 1973

Temperature reception and thermal comfort. Hensel H. **Arch Sci Physiol (Paris)** 27(4):359–70, 1973

Mental performance during slight cool or warm discomfort. Langkilde G, et al. **Arch Sci Physiol (Paris)** 27(4):511–8, 1973

Prediction of thermal sensation with a simple thermoregulatory model. Nevins RG, et al. **Arch Sci Physiol (Paris)** 27(4):425–32, 1973

The effects of ambient temperature swings on comfort, performance and behaviour. Wyon DP. **Arch Sci Physiol (Paris)** 27(4):441–58, 1973

Coding of steady and transient temperatures by cutaneous 'cold' fibers serving the hand of monkeys. Dykes RW. **Brain Res** 98(3):485–500, 21 Nov 75

Different projections of cutaneous thermal inputs to single units of the midbrain raphe nuclei. Jahns R. **Brain Res** 101(2):355–61, 16 Jan 76

The effect of mental effort on subjective assessments of warmth. Griffiths ID, et al. **Ergonomics** 18(1):29–33, Jan 75

Peripheral neural determinants in the sensing of changes in skin temperature. pp. 23–37. Darian-Smith I, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Central processing of peripheral temperature information. pp. 78–93. Poulos DA.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Temperature changes: signalled by cutaneous mechanoreceptors? pp. 43–4. Sassen M, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Sensation and perception of microwave energy. pp. 213–29. Michaelson SM.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (49 ref.)

Central nervous responses to cooling and warming of the rat scrotal skin. pp. A371–83. Hellon RF.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.

Temperature reception and thermal comfort. pp. A359–70. Hensel H.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. (23 ref.)

A device to measure cutaneous temperature sensitivity in humans and subhuman species. Kenshalo DR, et al. **J Appl Physiol** 39(6):1038–40, Dec 75

Responses of spinal cord neurons to systematic changes in hindlimb skin temperatures in cats and primates. Burton H. **J Neurophysiol** 38(5):1060–79, Sep 75

Disruption of temperature discrimination during limbic forebrain stimulation in monkeys. Chin JH, et al. **Neuropsychologia** 14(3):293–310, 1976

Vibrotactile and temperature sensory interaction in the human tongue. Fucci D, et al. **Percept Mot Skills** 43(1):263–6, Aug 76

Functional and structural basis of thermoreception. Hensel H. **Prog Brain Res** 43:105–18, 1976 (28 ref.)

[Neuronal organization of the thermosensory region of the anterior hypothalamus] Beliavskii EM. **Fiziol Zh SSSR** 62(2):175–81, Feb 76 (Eng. Abstr.) **(Rus)**

[Specific features of cerebral cortical neurons reacting to thermal stimulation of the skin] Kozyreva TV, et al. **Fiziol Zh SSSR** 61(11):1612–8, Nov 75 **(Rus)**

[The rhythmicity of physiologic changes in the functional state of the visual and skin temperature analyzers in man] Kurilova LM. **Fiziol Zh SSSR** 61(4):554–62, Apr 75 (Eng. Abstr.) **(Rus)**

TEMPLATES

Template primer inactivation by cis- and trans-dichlorodiammine platinum for human DNA polymerase alpha, beta, and Rauscher murine leukemia virus reverse transcriptase, as a mechanism of cytotoxicity. Harder HC, et al. **Cancer Res** 36(10):3821–9, Oct 76

The mechanism of template activation by exonuclease V. Ferdinant FJ, et al. **Eur J Biochem** 52(2):291–9, 17 Mar 75

Template properties of bacteriophage T4 vegetative DNA. I. Isolation and characterization of two template fractions from gently lysed T4-infected bacteria. Cox GS, et al. **J Biol Chem** 250(23):8963–72, 10 Dec 75

Template properties of bacteriophage T4 vegetative DNA. II. Effect of maturation and DNA-arrest mutations. Cox GS, et al. **J Biol Chem** 250(23):8973–7, 10 Dec 75

Template-directed synthesis of high molecular weight polynucleotide analogues. Lohrmann R, et al. **Nature** 261(5558):342–4, 27 May 76

Minimal requirements for template recognition by bacteriophage Qbeta replicase: approach to general RNA-dependent RNA synthesis. Küppers B, et al. **Proc Natl Acad Sci USA** 72(7):2640–3, Jul 75

[Use of silkworm silk gland ribosomes as a model for the study of exogenous matrices in protein biosynthesis] Kullyev P. **Dokl Akad Nauk SSSR** 227(4):1003–6, 1976 **(Rus)**

TEMPORAL ARTERIES

Immunological and histological studies of temporal arteries from patients with temporal arteritis and/or polymyalgia rheumatica. Waaler E, et al. **Acta Pathol Microbiol Scand [A]** 84(1):55–63, Jan 76

[Frontal angioma and cirsoid retinal aneurysm: relationship to the Bonnet-Dechaume-Blanc syndrome] Cordier J, et al. **Rev Otoneuroophtalmol** 47(3):187–94, May-Jun 75 **(Fre)**

[Prolonged catheterization of the superficial temporal artery for repeated angiography] Zlotnik EI, et al. **Vopr Neirokhir** (3):43–5, May-Jun 75 **(Rus)**

[Indirect assessment of the state of cerebral circulation by the method of superficial temporal artery oscillography] Rafikov AM. **Zh Nevropatol Psikhiatr** 75(8):1167–70, 1975 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

[Superficial temporal artery, Anatomic study and practical deductions] Ricbourg B, et al. **Ann Chir Plast** 20(2):197–213, 1975 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

The superficial temporal artery in human fetuses. Kozielec T, et al. **Folia Morphol (Warsz)** 35(1):79–84, 1976

INJURIES

Traumatic aneurysm of the superficial temporal artery. Squash-ball disease. Golden GT, et al. **JAMA** 234(5):517–8, 3 Nov 75

PATHOLOGY

Juvenile temporal arteritis. Biopsy study of four cases. Lie JT, et al. **JAMA** 234(5):496–9, 3 Nov 75

[Letter: Complete temporal biopsy] Scheffer P, et al. **Nouv Presse Med** 5(20):1309, 15 May 76 **(Fre)**

[Aging effects on arteries exemplified by the arteria temporalis superficialis] Sinzinger H, et al. **Verh Anat Ges** 69:885–90, 1975 **(Ger)**

PHYSIOLOGY

Intraoperative monitoring of left temporal and right radial arterial pressures during aortic-arch surgery. Brown BR. **Anesthesiology** 44(1):62–4, Jan 76

Cephalic and digital vasomotor orienting responses: the effect of stimulus intensity and rise time. Oster PJ, et al. **Psychophysiology** 12(6):642–8, Nov 75

RADIOGRAPHY

Letter: Arteriograms in temporal arteritis. Cheatum DE. **JAMA** 235(9):909, 1 Mar 76

SURGERY

Modification of cerebral ischemia by microsurgical intracranial anastomosis. pp. 281–94. Austin G, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Surgical results and measurements of intraoperative flow in microneurosurgical anastomoses. pp. 295–304. Chater N.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

The microneurosurgical anastomosis for cerebral ischemia—considerations and problems. pp. 110–5. Conforti P, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Electromagnetic flow studies of superficial temporal artery to middle cerebral branch artery bypass graft. pp. 116–24. Crowell RM.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Experimental studies preparing for human extra-intracranial anastomosis. pp. 125–32. Deruty R, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Pitfalls in extracranial-intracranial blood flow diversion. pp. 305–7. Donaghy P.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Evaluation of extracranial-intracranial blood flow diversion. pp. 256–74. Donaghy P.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Psychological evaluation of patients undergoing microneurosurgical anastomoses for cerebral ischemia. pp. 320–6. Evans RB, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Microneurosurgical anastomoses for cerebral ischemia in 39 patients—clinical results, angiography and regional cerebral blood flow. pp. 308–19. Gratzl O, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

The superficial temporal artery-middle cerebral artery branch anastomosis. pp. 202–13. Khodadad G.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Selection of patients and clinical results following STA-cortical MCA anastomosis. pp. 275–80. Reichman OH.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Arteriographic flow patterns following STA-cortical MCA anastomosis. pp. 339–58. Reichman OH.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Microsurgical anastomosis of ten patients in a community hospital. pp. 227–43. Stephens HW Jr.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Angiography of brain ischemia and the superficial temporal artery-middle cerebral artery anastomosis candidate. pp. 157–75. Thompson JR, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Surgical results of Professor M. G. Yasargil's series. pp. 359–67. Yasargil MG, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

The therapeutic result of excision of the superficial temporal

artery in atypical migraine. Rapidis AD. **J Maxillofac Surg** 4(3):182–8, Sep 76
Cerebral revascularization for stroke. Watts C. **Mo Med** 73(4):179–81, Apr 76
Cerebral revascularisation. Snyckers F. **S Afr J Surg** 13(4):258–9, Dec 75
Intracranial neurosurgical treatment of occlusive cerebrovascular disease. Salazar JL, et al. **Stroke** 7(4):348–53, Jul–Aug 76 (Eng. Abstr.)
Reversal of aphasia with superficial temporal artery to middle cerebral artery anastomosis. Jacques S, et al. **Surg Neurol** 5(3):143–5, Mar 76
Transient postoperative occlusion of the superficial temporal—middle cerebral artery branch anastomosis: spasm, swelling, or thrombosis. Khodadad G. **Surg Neurol** 3(6):341–5, Jun 75
[The importance of the histological structure of the superficial temporal artery for the functioning of the arterial extra–intracranian anastomosis] Kletter G, et al. **Neurochirurgie** 21(7):551–6, Dec 75 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Implantation of the superficial temporal artery into the brain. pp. 59–67. Khodadad G.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

TEMPORAL ARTERITIS

Immunological and histological studies of temporal arteries from patients with temporal arteritis and/or polymyalgia rheumatica. Waaler E, et al. **Acta Pathol Microbiol Scand** [A] 84(1):55–63, Jan 76
[Temporal arteritis and Horton's disease] Valleteau de Moulliac M. **Coeur Med Interne** 14(2):225–31, Apr–Jun 75 (Eng. Abstr.) **(Fre)**
[Polymyalgia rheumatica and giant–cell arteritis syndrome] Rosenthal M. **Med Klin** 70(38):1497–1507, 19 Sep 75 **(Ger)**
[The temporal arteritis as a current disease syndrome] Hollwich F, et al. **Med Monatsschr** 29(12):547–51, Dec 75 **(Ger)**
[Cranial giant cell arteritis (so–called temporal arteritis)] Flügel KA. **Med Welt** 27(16):769–70, 16 Apr 76 **(Ger)**
[A case of temoral arteritis (author's transl)] Yamamoto M, et al. **J Jpn Soc Intern Med** 64(4):328–33, 10 Apr 75 **(Jpn)**
[Temporal arteritis (author's transl)] Florenzano F, et al. **Rev Med Chil** 103(6):406–9, Jun 75 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Acute transient ophthalmomalacia in giant–cell arteritis. Report of a case. Verdich M, et al. **Acta Ophthalmol (Kbh)** 53(6):875–8, Dec 75
Large artery involvement in giant cell (temporal) arteritis. Klein RG, et al. **Ann Intern Med** 83(6):806–12, Dec 75
Temporal arteritis: a spectrum of ophthalmic complications. Cohen DN, et al. **Ann Ophthalmol** 7(8):1045–54, Aug 75
Letter: Temporal arteritis and pulmonary emboli. Brentlinger DC. **Arch Ophthalmol** 93(12):1372, Dec 75
Cortical blindness in cranial arteritis. Chisholm IH. **Br J Ophthalmol** 59(6):332–3, Jun 75
Carpal tunnel syndrome in temporal arteritis. Kovarsky J, et al. **J Rheumatol** 2(1):108–12, Mar 75
Polymyalgia rheumatica and giant cell arteritis: a seven–year survey. Myles AB. **Rheumatol Rehabil** 14(4):231–5, Nov 75
Ophthalmic complications of giant cell arteritis. Cullen JF, et al. **Surv Ophthalmol** 20(4):247–60, Jan–Feb 76 (78 ref.)
[Rheumatic polymyalgia—temporal arteritis. Temporary remission without glucocorticoid therapy] Heyn J, et al. **Ugeskr Laeger** 138(3):155–6, 12 Jan 76 (Eng. Abstr.) **(Dan)**
[Letter: Gangrene in the course of Horton's disease] Beylot C, et al. **Nouv Presse Med** 4(41):2948, 29 Nov 75 **(Fre)**

DIAGNOSIS

Diagnosis of superficial temporal arteritis. Brennan J, et al. **Ann Ophthalmol** 7(8):1125–9, Aug 75
Editorial: Temporal arteritis: a new form. Hussey HH. **JAMA** 234(5):520, 3 Nov 75
Letter: Temporal arteritis. Podboy AJ. **JAMA** 233(13):1354, 29 Sep 75
[Rheumatismal aspect of giant–cell arteritis: its relation to rhizomelic pseudo–polyarthritis] Dekoninck WJ, et al. **Acta Clin Belg** 30(4):317–26, 1975 (Eng. Abstr.) **(Fre)**
[Letter: Complete temporal biopsy] Scheffer P, et al. **Nouv Presse Med** 5(20):1309, 15 May 76 **(Fre)**
[Temporal arteritis, clinical picture, treatment and prognosis (author's transl)] Hollwich F, et al. **Klin Monatsbl Augenheilkd** 167(1):62–9, Jul 75 (Eng. Abstr.) **(Ger)**
[Giant–cell arteritis] Meister P, et al. **Med Welt** 26(16):775–9, 18 Apr 75 **(Ger)**
[Giant–cell arteriotis in the aged (temporal arteriotis)] Marx P. **Nervenarzt** 47(4):236–9, Apr 76 **(Ger)**
[Neurologic aspects of cranial arteritis] Wyss T, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 117(2):255–67, 1975 (Eng. Abstr.) **(Ger)**
[Temporal arteritis. Diagnostic problems] Kater F. **Ther Ggw** 115(5):864–72, May 76 **(Ger)**
[Temporal arteritis presenting as fever of unknown etiology] Paz R, et al. **Harefuah** 90(7):320–1, 1 Apr 76 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

[Azathioprine in the treatment of arteriitis temporalis] Wenig C, et al. **Nervenarzt** 46(8):453–7, Aug 75 **(Ger)**

ETIOLOGY

[Horton's disease and rheumatoid arthritis] Fournié A, et al. **Rev Rhum Mal Osteoartic** 43(3):209–12, Mar 76 **(Fre)**

PATHOLOGY

Ischemic papilledema in giant–cell arteritis. Mucopolysaccharide deposition with normal intraocular pressure Hinzpeter EN, et al. **Arch Ophthalmol** 94(4):624–8, Apr 76
Juvenile temporal arteritis. Biopsy study of four cases. Lie JT, et al. **JAMA** 234(5):496–9, 3 Nov 75
Skip lesions in temporal arteritis. Klein RG, et al. **Mayo Clin Proc** 51(8):504–10, AUG 76
Pathological features of thromboangiitis obliterans and arteritis temporalis and some unusual manifestations. Olsen EG. **Pathol Microbiol (Basel)** 43(2–O):157–62, 1975

PHYSIOPATHOLOGY

Corneal temperature in normal subjects and arterial occlusive disease. Horven I. **Acta Ophthalmol (Kbh)** 53(6):863–74, Dec 75
[Giant cell arteritis and the CNS. Summary of special considerations in two separate cases] Lahl R. **Schweiz Arch Neurol Neurochir Psychiatr** 117(2):211–39, 1975 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Letter: Arteriograms in temporal arteritis. Cheatum DE. **JAMA** 235(9):909, 1 Mar 76
[Arteriographic changes in temporal megacellular arteritidis (Horton disease) (author's transl)] Nekula J, et al. **Cesk Radiol** 30(2):80–4, Mar 76 (Eng. Abstr.) **(Cze)**

TEMPORAL BONE

see related

LABYRINTH

A system of operations for skull base tumors. Hitselberger WE, et al. **Adv Neurol** 15:275–80, 1976
Letter: Giant cell tumor of the temporal bone. Lehrer S, et al. **Arch Neurol** 33(9):663, Sep 76
Meningiomas of the temporal bone. Guzowski J, et al. **Laryngoscope** 86(8):1141–6, Aug 76
Epidermoids involving the temporal bone: clinical, radiological and pathological aspects. Nager GT. **Laryngoscope** 85(12 Pt 2 Suppl 2):1–21, Dec 75
A comparison of therapeutic modalities of glomus tumors in the temporal bone. Spector GJ, et al. **Laryngoscope** 86(5):690–6, May 76
Metastatic disease of the temporal bone. Stucker FJ, et al. **Laryngoscope** 86(8):1136–40, Aug 76
Letter: Meningioma. Scott M. **Surg Neurol** 6(1):54–5, Jul 76
Techniques for repair of seventh nerve injuries of the temporal bone. Smyth GD. **Trans Pac Coast Otoophthalmol Soc** 56:43–9, 1975
Monostotic fibrous dysplasia of the temporal bone. Ward PH, et al. **Trans Pac Coast Otoophthalmol Soc** 56:147–57, 1975
[Case of fibrous osteodysplasia of the temporal bone complicated by cholesteatoma] Ukleja Z, et al. **Otolaryngol Pol** 29(6):605–8, 1975 **(Pol)**
[Osteoma of the temporal bone] Andreevski A, et al. **God Zb Med Fak Skopje** 17:597–9, 1971 **(Ser)**
[Malignant reticuloendotheliosis in otorhinolaryngology (study on 2 cases of eosinophilic granuloma ossis temporalis)] Boškov AN. **God Zb Med Fak Skopje** 17:619–32, 1971 (Eng. Abstr.) **(Ser)**

ABNORMALITIES

Prosthetic implications of Eagle's syndrome. Phillips JD, et al. **J Prosthet Dent** 34(6):614–9, Dec 75
[Observation of an anomaly of the styliform process] Borisov AA. **Vestn Otorinolaringol** (6):109–11, Nov–Dec 75 **(Rus)**
[Anomalous styloid process] Tronts VT. **Zh Ushn Nos Gorl Bolezn** (6):88–9, Nov–Dec 75 **(Rus)**

ANATOMY & HISTOLOGY

A comparative study of the temporal bone in three populations of man. Schulter FP. **Am J Phys Anthropol** 44(3):453–68, May 76

BLOOD SUPPLY

Hemodynamic evaluation of superficial temporal cortical artery microanastomosis in the dog. pp. 5–14. Fein JM, et al.
In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.
[Functional anatomy of the superfical temporal blood vessels] Ricbourg B, et al. **Bull Assoc Anat (Nancy)** 59(167):969–84, Dec 75 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

[Fovea and the articular tuberculum of the temporomandibular joint] Lang J, et al. **Verh Anat Ges** 69:815–22, 1975 **(Ger)**

INJURIES

Fractures of the temporal bone involving the ear. Roche J. **Australas Radiol** 19(4):317–25, Dec 75
Fracture of the styloid process of the temporal bone: an unusual complication of dental treatment. Report of a case. Reichart PA, et al. **Oral Surg** 42(2):150–4, Aug 76
Vibrations of the temporal bone due to head injury. Dürrer J. **Sb Ved Pr Lek Fak Karlovy Univ** 17(3):271–6, 1974
[Our attitude to post–traumatic facial paralysis] Gerard M, et al. **Acta Otorhinolaryngol Belg** 29(3):487–92, 1975 **(Fre)**
[Fractures of the styloid process with simultaneous mandibular fracture] Hatzifotiadis D. **Zahn Mund Kieferheilkd** 63(7):676–80, 1975 **(Ger)**
[Experimental studies of skull fracture in the temporal region (author's transl)] Matsui T, et al. **Neurol Surg (Tokyo)** 3(2):123–9, Feb 75 (Eng. Abstr.) **(Jpn)**
[Diagnostic and therapeutic problems in temporo– and sinuso–basal fistulas] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 20(3):161–9, Jul–Sep 75 (Eng. Abstr.) **(Rum)**
[The osteogenic role of the dura mater in adult rabbits during regeneration of the skull] Kantorova VI. **Ontogenez** 6(1):63–70, 1975 (Eng. Abstr.) **(Rus)**
[The osteogenic role of the dura mater in adult rabbits during regeneration of the skull] Kantorova VI. **Ontogenez** 6(1):63–70, 1975 (Eng. Abstr.) **(Rus)**
[Contribution to the diagnosis and therapy of facial nerve paralysis in temporal bone fractures] Mitrović M, et al. **Zb Vojnomed Akad** :38–44, 1974 **(Ser)**

PATHOLOGY

The temporal bone in the preauricular pit, cervical fistula, hearing loss syndrome. Fitch N, et al. **Ann Otol Rhinol Laryngol** 85(2 pt.1):268–75, Mar–Apr 76
Sudden deafnfess of vascular origin: a human temporal bone study. Gussen R. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):94–100, Jan–Feb 76
Cholesterol granuloma involving the temporal bone. Nager GT, et al. **Ann Otol Rhinol Laryngol** 85(2 pt.1):204–9, Mar–Apr 76
Temporal bone histopathology of osteopetrosis. Suga F, et al. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):15–24, Jan–Feb 76
Pathologic quiz case 2. Clairmont AA, et al. **Arch Otolaryngol** 101(12):764–6, Dec 75
Temporal bone findings in cryptococcal meningitis. Igarashi m, et al. **Arch Otolaryngol** 101(9):577–83, Sep 75
Hereditary deafness in the dalmatian dog. Mair IW. **Arch Otorhinolaryngol (NY)** 212(1):1–14, 8 Feb 76
Secretory otitis media in chronic lymphatic leukaemia. A temporal bone report of a case treated for seven months with tympanostomy tubes. Palva T, et al. **J Laryngol Otol** 90(8):773–83, Aug 76
Temporal bone histopathology in experimental hypovitaminosis A. Chole RA, et al. **Laryngoscope** 86(3):445–53, Mar 76
Paget's disease and sensori–neural deafness: temporal bone histopathology of Paget's disease. Lindsay JR, et al. **Laryngoscope** 86(7):1029–42, Jul 76
[Pneumatization of the temporal bone and chronic acoustic trauma in sailors] Taniewski M, et al. **Otolaryngol Pol** 29(4):371–6, 1975 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Holographic vibration analysis of the ossicular chain. Gundersen T, et al. **Acta Otolaryngol (Stockh)** 82(1–2):16–25, Jul–Aug 76
Mechanical impedance of human headbones (forehead and mastoid portion of the temporal bone) measured under ISO/IEC conditions. Flottorp G, et al. **J Acoust Soc Am** 59(4):899–906, Apr 76
[Measurement of sound transmitted through the body while drilling and grinding isolated petrous temporal bone (author's transl)] Paulsen K, et al. **Arch Otorhinolaryngol (NY)** 209(3):159–68, 8 Jul 75 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Osteoradionecrosis of the temporal bone. Ramsden RT, et al. **J Laryngol Otol** 89(9):941–55, Sep 75

RADIOGRAPHY

Multidirectional tomography of the facial canal. Wilbrand HF. **Acta Radiol [Diagn] (Stockh)** 16(6):654–72, Nov 75
Multidirectional tomagraphy of defects in the facial canal. An experimental investigation. Wilbrand HF, et al. **Acta Radiol ®Diagn/BD/(Stockh)** 16(3):223–40, May 75
Metastatic adenocarcinoma of the temporal bone. Hill BA, et al. **Arch Otolaryngol** 102(9):568–71, SEP 76
Radiological visualization of the vestibular aqueduct. Technique and morphological features. Gado MH, et al. **Radiology** 117(3 Pt 1):621–6, Dec 75
The inclined lateral projection: a new view in temporal bone tomography. Schatz CJ, et al. **Radiology** 118(2):355–61, Feb 76

Temporal bone radiography: a screening survey approach. Johnson DH Jr, et al. **South Med J** 68(11):1385–7, Nov 75

[Anatomy and diagnosis of temporal bone by tomography] Kodera K. **J Otolaryngol Jpn** 78(12):1319–22, 20 Dec 75 **(Jpn)**

SURGERY

Massive acquired cholesteatoma of the temporal bone. Wright JL, et al. **J Laryngol Otol** 90(3):257–62, Mar 76

Modern temporal bone surgery--finding the key. Gardner G. **J Miss State Med Assoc** 17(2):31–5, Feb 76

Facial rehabilitation: surgical reconstruction following temporal bone resection. Berkowitz WP, et al. **Laryngoscope** 86(4):509–15, Apr 76

[Surgical treatment of dislocation of the temporomandibular joint] de Man K, et al. **Ned Tijdschr Geneeskd** 119(39):1498–501, 27 Sep 75 (Eng. Abstr.) **(Dut)**

[Orthopedic jaw operations on the tuberculum articulare] Sauer H, et al. **Fortschr Kiefer Gesichtschir** 18:238–41, 1974 **(Ger)**

[Noise level measurements of the air noise during drilling and grinding on the fresh isolated temporal bone (author's transl)] Paulsen K, et al. **Laryngol Rhinol Otol (Stuttg)** 54(10):824–34, Oct 75 (Eng. Abstr.) **(Ger)**

[Technic of the extrameningeal access to the anterior surface of temporal bone pyramid through middle cranial fossa] Bochenek Z, et al. **Otolaryngol Pol** 30(2):109–17, 1976 (Eng. Abstr.) **(Pol)**

[Removal of a foreign body from the infratemporal fossa] Selivanov VP. **Vestn Khir** 114(5):146–7, May 75 **(Rus)**

TEMPORAL LOBE

Proceedings: Meningiomas of the left (dominant) temporal region: catamneses (post-operative follow-up). Richard KE. **Acta Neurochir (Wien)** 31(3–4):282–3, 1975

Temporal lobe dysfunction. A case report. Curran DJ, et al. **J Kans Med Soc** 77(1):14–6, Jan 76

Temporal lobe epilepsy due to an intracerebral Schwannoma: case report. Van Rensburg MJ, et al. **J Neurol Neurosurg Psychiatry** 38(7):703–9, Jul 75

Postirradiation necrosis of the temporal lobe presenting as a glioma. Case report. Diengdoh JV, et al. **J Neurosurg** 44(6):732–4, Jun 76

Spontaneous pneumo-cephalus caused by otogenous temporal abscess. Davini V, et al. **J Neurosurg Sci** 18(3):210–5, Jul–Sep 74

[Subdural hematoma with unusual localization: posttraumatic infratemporal hematoma] Arseni C, et al. **Rev Med Intern [Neurol Psihiatr]** 20(1):25–8, Jan–Mar 75 **(Rum)**

[Developmental characteristics of some temporal intracranial expansive processes] Maretsis M, et al. **Rev Med Intern [Neurol Psihiatr]** 20(2):145–54, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Electromyographic characteristics of movement disorders in tumors of the temporal lobe of the brain] Miridonov VT. **Zh Nevropatol Psikhiatr** 75(4):488–93, 1975 (Eng. Abstr.) **(Rus)**

[The relationship between the side of the lesion and the features and prognostic value of parietal dysfunction in vascular diseases in the brain] Shubenko-Shubina IE. **Zh Nevropatol Psikhiatr** 75(12):1776–80, 1975 (Eng. Abstr.) **(Rus)**

[Paroxysmal psychopathologic symptomatology in tumors of the right and left temporal lobes of the brain] Smirnov VIa. **Zh Nevropatol Psikhiatr** 76(4):481–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Autonomic provision for some forms of activity in focal lesions of the limbo-reticular complex (results of a mathematical analysis of cardiac rhythm)] Solov'eva AD. **Zh Nevropatol Psikhiatr** 76(4):517–23, Apr 76 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Congenital displacement of temporal cortex into the central spinal canal. Silver DA, et al. **Can J Neurol Sci** 2(4):257–9, Nov 75

[Cerebral malformation and thanatophoric nanism] Martinelli B, et al. **Arch Fr Pediatr** 32(5):455–9, May 75 (Eng. Abstr.) **(Fre)**

[Styloid syndrome; case reports] Bertrán Escanaverino RE. **Bol Asoc Med PR** 68(5):122–5, May 76 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

A microelectrode study of amygdaloid afferents: temporal neocortical inputs. Prelević S, et al. **Brain Res** 105(3):437–57, 9 Apr 76

Thalamic and other subcortical projections to area MT (visual area of superior temporal sulcus) in the marmoset Callithrix jacchus. Spatz WB. **Brain Res** 99(1):129–34, 28 Nov 75

Some connections of the entorhinal (area 28) and perirhinal (area 35) cortices of the rhesus monkey. I. Temporal lobe afferents. Van Hoesen G, et al. **Brain Res** 95(1):1–24, 12 Sep 75

Temporal cortical projections to the olfactory tubercle in the rhesus monkey. Van Hoesen GW, et al. **Brain Res** 109(2):375–81, 11 Jun 76

Anatomical study of cerebral asymmetry in the temporal lobe of humans, chimpanzees, and rhesus monkeys. Yeni-Komshian GH, et al. **Science** 192(4237):387–9, 23 Apr 76

BLOOD SUPPLY

Oxygen availability and blood flow in the temporal lobes during spontaneous epileptic seizures in man. Dymond AM, et al. **Brain Res** 102(1):191–6, 30 Jan 76

Angiographic study of frontal, temporal and fronto-temporal attritions in 166 recent closed head injuries. 317–22. Caille JM, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

CYTOLOGY

Areal differences in the laminar distribution of thalamic afferents in cortical fields of the insular, parietal and temporal regions of primates. Jones EG, et al. **J Comp Neurol** 168(2):197–247, 15 Jul 76

Changes in neurologia and myelination in the white matter of aging mice. Sturrock RR. **J Gerontol** 31(5):513–22, Sep 76

The projections to the superior temporal sulcus from areas 17 and 18 in the rhesus monkey. Zeki SM. **Proc R Soc Lond [Biol]** 193(1111):199–207, 13 Apr 75

[Classification of neurons of the cat neocortex] Antonova AM. **Arkh Anat Gistol Embriol** 70(6):91–9, Jun 76 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The onset of synaptogenesis in rat temporal cortex. König N, et al. **Anat Embryol (Berl)** 148(1):73–87, 6 Nov 75

ENZYMOLOGY

Kinetic properties of hexokinase in resected temporal lobes of patients with drug-resistant epilepsy. Bachelard HS, et al. **Epilepsia** 16(3):431–7, Sep 75

Toxic deafness. II. The effect of arsenic, salicylates and quinine on choline esterase activity in the blood and temporal lobe of guinea pigs. Aly S, et al. **J Egypt Med Assoc** 58(3–4):158–66, 1975

GROWTH & DEVELOPMENT

Memory and growth in the superior temporal gyri. Akesson EJ, et al. **Can J Neurol Sci** 2(3):191–4, Aug 75

Development of the mouse anterior commissure. Part II. A comparison of glial differentiation in the anterior and posterior limbs of the anterior commissure of the mouse brain during myelination using semithin light microscopic sections. Sturrock RR. **Zentralbl Veterinaermed [C]** 5(2):113–21, Jun 76

INJURIES

Temporal lobe swelling: a common treatable complication of head injury. Maurice-Williams RS. **Br J Surg** 63(3):169–72, Mar 76

[A case of bilateral lesions in the temporal convexity: attempt to define symptoms] Sabouraud O, et al. **Cortex** 12(2):154–68, Jun 76 (Eng. Abstr.) **(Fre)**

[Graphic art of a patient with a temporal lobe lesion] Tyszkiewicz M. **Psychiatr Pol** 10(2):209–3, Mar–Apr 76 **(Pol)**

[Vestibular disorders in contusions of the temporal lobe of the brain] Sheps SI. **Vopr Neirokhir** (6):27–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pathology of temporal lobe foci. Mathieson G. **Adv Neurol** 11:163–85, 1975

Pneumographic findings in the infantile autism syndrome. A correlation with temporal lobe disease. Hauser SL, et al. **Brain** 98(4):667–88, Dec 75

[External temporal biopsy in a case of infiltrating limbic glioma: study of astrocytic membranous wrapping whorls (author's transl)] Mikol J, et al. **Acta Neuropathol (Berl)** 32(4):347–52, 1 Oct 75 (Eng. Abstr.) **(Fre)**

[Does epilepsy have a pathological anatomy] Beteta E. **Rev Neuropsiquiatr** 37(3–4):177–95, Sep–Dec 74 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Learning and retention by monkeys with epileptogenic implants in anteromedial temporal cortex. Stamm JS. **Acta Neurobiol Exp (Warsz)** 35(5–6):627–45, 1975

Dissociated naming and locating of body parts after left anterior temporal lobe resection: an experimental case study. Dennis M. **Brain Lang** 3(2):147–63, Apr 76

Subangular alexia without agraphia or hemianopsia. Greenblatt SH. **Brain Lang** 3(2):229–45, Apr 76

Comparative neurology of the temporal lobe in primates including man with reference to speech. Sanides F. **Brain Lang** 2(4):396–419, Oct 75

Recognition thresholds in the central and lateral visual fields following temporal lobectomy. Rosenthal LS, et al. **Cortex** 11(3):217–29, Sep 75

A temporal component of the auditory evoked response. Wolpaw JR, et al. **Electroencephalogr Clin Neurophysiol** 39(6):609–20, Dec 75

Deep temporal lobe projections to the nucleus of the diagonal band of Broca. Yoshihara H, et al. **Experientia** 32(1):55–7, 15 Jan 76

Cross-modal matching in the monkey after discrete temporal lobe lesions. Sahgal A, et al. **Nature** 257(5528):672–4, 23 Oct 75

Auditory sequence discrimination in Macaca mulatta: the role of the superior temporal cortex. Cowey A, et al. **Neuropsychologia** 14(1):1–10, 1976

Adjusting the amount of overtraining to the difficulty of discrimination learning. Ettlinger G, et al. **Neuropsychologia** 14(2):257–60, 1976

Visual attention and inferotemporal cortex in rhesus monkeys. Soper HV, et al. **Neuropsychologia** 13(4):409–19, Oct 75

Auditory and visual discrimination following lesions of the anterior supratemporal plane in monkeys. Wegener JG. **Neuropsychologia** 14(2):161–73, 1976

Visual discrimination impaired by cutting temporal lobe connections. Horel JA, et al. **Science** 193(4250):336–8, 23 Jul 76

Visual discrimination in monkey with removal of inferotemporal cortex. Iwai E, et al. **Tohoku J Exp Med** 118(3):297–8, Mar 76

[An analysis of EEG rhythm changes following micropolarization of several brain structures] Blank IuA. **Fiziol Zh SSSR** 62(1):61–5, Jan 76 (Eng. Abstr.) **(Rus)**

[The interaction of impulses evoked by stimuli of different modality in neurons of the parietal association cortex] Kazakov VN, et al. **Neirofiziologiia** 8(3):223–9, 1976 (Eng. Abstr.) **(Rus)**

[The role of the temporal lobes in mechanisms of visual recognition] Meerson ALa. **Zh Nevropatol Psikhiatr** 75(7):1000–6, 1975 (Eng. Abstr.) **(Rus)**

[Electrophysiologic and behavioral changes in cats following section of the brachia of the inferior colliculi] Goreva OA, et al. **Zh Vyssh Nerv Deiat** 25(6):1226–33, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[The role of the temporal areas in conditioned reflex activity following section of the brachia of the inferior colliculi] Plekhanov VA, et al. **Zh Vyssh Nerv Deiat** 25(5):962–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of cryogenic exclusion of the neocortex on preservation of the functioning of its temporal regions] Plekhanov VA. **Zh Vyssh Nerv Deiat** 26(1):81–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Spatial perception of stimuli during unilateral exclusion of the temporal portion of the neocortex by cold] Shcherbakov VI, et al. **Zh Vyssh Nerv Deiat** 25(1):144–8, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A partial Klüver–Bucy syndrome in man. Augustine JR, et al. **Ala J Med Sci** 12(4):378–86, Oct 75

Auditory hallucinations and left temporal lobe pathology. Bazhin EF, et al. **Neuropsychologia** 13(4):481–7, Oct 75

[Hebephrenic psychotic picture with EEG changes over the temporal region] Kocijan D, et al. **Neuropsihijatrija** 22(1–4):117–21, 1974 (Eng. Abstr.) **(Cro)**

[The role of the temporal neocortex in the origin of convulsive activity] Belenkov NIu, et al. **Zh Vyssh Nerv Deiat** 26(1):171–80, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Cisternography of the chiasmatic and interpeduncular cisterns in mediotemporal expanding lesions. Valk J. **Radiol Clin (Basel)** 44(6):517–26, 1975

Computed tomography: demonstration of contrast medium within cystic tumors. Messina AV, et al. **Radiology** 120(2):345–7, Aug 76

Computed tomography: demonstration of contrast medium within cystic tumors. Messina AV, et al. **Radiology** 120(2):345–7, Aug 76

SURGERY

Proceedings: Pathology and prognostic factors in temporal lobe epilepsy. Follow-up after temporal lobe resection. Jensen I. **Acta Neurochir (Wien)** 31(3–4):261–2, 1975

Surgical treatment of patients with complex partial seizures. Rasmussen T. **Adv Neurol** 11:415–49, 1975

Proceedings: Memory disturbances after crossed hippocampectomy and fornicotomy with anterior commisurotomy perfored for epileptic seizures. Cigánek L, et al. **Electroencephalogr Clin Neurophysiol** 39(4):437, Oct 75

Temporal-lobe seizures with additional foci treated by resection. Van Buren JM, et al. **J Neurosurg** 43(5):596–607, Nov 75

TEMPOROMANDIBULAR JOINT

Understanding the temporomandibular joint. A guide to diagnosis and therapy. Jones WD 3d. **Conn Med** 40(4):235–40, Apr 76

Psoriatic arthritis and the temporomandibular joint. Blair GS. **J Dent** 4(3):123–8, May 76

Principles of treatment for temporomandibular joint ankylosis. Freedus MS, et al. **J Oral Surg** 33(10):757–65, Oct 75

Temporomandibular joint ankylosis: review of the literature and report of two cases of bilateral involvement. Miller GA, et al. **J Oral Surg** 33(10):792–803, Oct 75 (61 ref.)

Temporomandibular joint ankylosis secondary to Marie-Strümpell disease. Sanders B. **J Oral Surg** 33(10):784–6, Oct 75

Bilateral enlargement of the mandibular coronoid processes in a patient with rheumatoid arthritis of the temporomandibular joints. Scott AS, et al. **J Oral Surg** 33(10):787–9, Oct 75

Ankylosis of the temporomandibular joint following burn. Schwartz EE, et al. **JAMA** 235(14):1477–8, 5 Apr 76

Temporomandibular joint disorders: diagnosis and treatment. Norman JE. **Med J Aust** 2(17):679–81, 25 Oct 75

Temporomandibular degenerative joint disease. Part II. Diagnostic procedure and comprehensive management. Kreutziger KL, et al. **Oral Surg** 40(3):297–319, Sep 75

Temporomandibular ankylosis secondary to rheumatoid arthritis. Report of a case. Seymour RL, et al. **Oral Surg** 40(5):584–9, Nov 75

[Our experiences in the treatment of arthrosis of the temporomandibular joint] Stojanović D, et al. **Reumatizam** 23(1):14–6, 1976 **(Cro)**

[Surgical treatment of dislocation of the temporomandibular joint] de Man K, et al. **Ned Tijdschr Geneeskd** 119(39):1498–501, 27 Sep 75 (Eng. Abstr.) **(Dut)**

[Nievergelt's syndrome and bilateral temporomandibular ankylosis] Guilbert F. **Rev Stomatol Chir Maxillofac** 77(2):381–2, Mar 76 **(Fre)**

[Pathogenesis of suboccipital muscular pain during functional myoarthropathies of the masticatory apparatus] Kleinrok M. **Rev Stomatol Chir Maxillofac** 77(2):495–6, Mar 76 **(Fre)**

[Complications following subchondral, not intra-articular, injections of corticosteroids] Moreau R. **Rev Stomatol Chir Maxillofac** 76(5):375–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Prevention and surgical treatment of uni- and bilateral ankylosis of the temporomandibular joint] Rehrmann A, et al. **Acta Stomatol Belg** 72(4):545–54, 1975 **(Ger)**

[Prevention and surgical treatment of uni-and bilateral temporomandibular joint ankylosis] Rehrmann A, et al. **Acta Stomatol Belg** 72(4):545–54, 1975 **(Ger)**

[Lockjaw in progressive myositis ossificans] Bruszt P, et al. **Dtsch Zahnaerztl Z** 30(9):628–31, Sep 75 (Eng. Abstr.) **(Ger)**

[Surgical management of habitual luxation of the temporomandibular joint (mobilization of the masticatory muscles—a case study)] **J Jpn Stomatol Soc** 24(4):392–5, 1975 **(Jpn)**

[Arthroscopy of the temporomandibular joint (author's transl)] Onishi M. **J Jpn Stomatol Soc** 42(2):207–13, Jun 75 **(Jpn)**

[Costen's and Freese's syndrome in the differential diagnosis of ear pain and neuralgia of the trigeminal nerve] Paunović S, et al. **Vojnosanit Pregl** 33(1):39–42, Jan–Feb 76 **(Ser)**

ANATOMY & HISTOLOGY

Tooth attrition and the temporomandibular joint. Seward FS. **Angle Orthod** 46(2):162–70, Apr 76

[Method of induction of malocclusion and its effect on the temporomandibular joint] Gupta OP, et al. **Orthod Fr** 46:103–6, 1975 **(Fre)**

[The dynamic complex of the temporomandibular meniscus] Couly G, et al. **Rev Stomatol Chir Maxillofac** 76(8):597–605, Dec 75 (Eng. Abstr.) **(Fre)**

[Theory and practice of the mandibular position with special reference to the temporomandibular joint] Gausch K. **ZWR** 84(12):569–71, 25 Jun 75 **(Ger)**

DRUG EFFECTS

Clinical kinesthetic experiments on the lateral pterygoid muscle and temporomandibular joint in man. Christensen LV, et al. **Scand J Dent Res** 83(1):238–44, Jul 75

EMBRYOLOGY

Oxytalan-type fibers in the developing human and equine temporomandibular joint. Luke DA. **J Dent Res** 54(5):1088, Sep–Oct 75

GROWTH & DEVELOPMENT

Postnatal development of the human temporomandibular joint. I. A histological study. Thilander B, et al. **Acta Odontol Scand** 34(2):117–26, 1976

[Fovea and the articular tuberculum of the temporomandibular joint] Lang J, et al. **Verh Anat Ges** 69:815–22, 1975 **(Ger)**

INJURIES

Surgical treatment for recurrent dislocation or chronic subluxation of the temporomandibular joint. Sanders B, et al. **Int J Oral Surg** 4(5):179–83, Oct 75

Inverted L-shaped ramus osteotomy for prolonged bilateral dislocation of the temporomandibular joint. Adekeye EO, et al. **Oral Surg** 41(5):568–77, May 76

Unilateral dislocation of the temporomandibular joint. Kelly JP. **Oral Surg** 41(2):268, Feb 76

[New surgical technic for the treatment of painful temporomandibular dysfunction and temporomandibular luxation] Pereira LG. **Rev Stomatol Chir Maxillofac** 77(1):243–4, Jan–Feb 76 **(Fre)**

[Treatment of an old temporomandibular joint luxation] Vesse M, et al. **Rev Stomatol Chir Maxillofac** 76(6):443–6, Sep 75 (Eng. Abstr.) **(Fre)**

INNERVATION

Neurology of the temporomandibular joints: an experimental study. Clark RK. **Ann R Coll Surg Engl** 58(1):43–51, Jan 76

Innervation of the temporomandibular joint. Griffin CJ, et al. **Aust Dent J** 20(2):78–85, Apr 75

PATHOLOGY

Degenerative disease in the temporomandibular, metatarsophalangeal and sternoclavicular joints. An autopsy study. Kopp S, et al. **Acta Odontol Scand** 34(1):23–32, 1976

Pigmented villonodular synovitis in the temporomandibular joint: a case report. Barnard JD. **Br J Oral Surg** 13(2):183–7, Nov 75

Benign cartilagenous tumour of the temporomandibular joint. Jokinen K, et al. **J Laryngol Otol** 90(3):299–303, Mar 76

Symptomatic osteoarthritis of the temporomandibular joint: report of a case. Hecker R, et al. **J Oral Surg** 33(10):780–3, Oct 75

Pseudotumor of temporomandibular joint: destructive calcium pyrophosphate dihydrate arthropathy. Pritzker KP, et al. **J Rheumatol** 3(1):70–81, Mar 76

[Surface of the temporomandibular joint during arthropathy in the scanning electron microscope] Hornová J, et al. **Cesk Stomatol** 76(1):44–9, Jan 76 (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

Temporomandibular joint and occlusion. Perry HT. **Angle Orthod** 46(3):284–93, Jul 76 (45 ref.)

Temporomandibular arthrokinetic reflex control of the mandibular musculature. Clark RK, et al. **Br J Oral Surg** 13(2):196–202, Nov 75

Temporomandibular articular reflex control of the mandibular musculature. Clark RK, et al. **Int Dent J** 25(4):289–96, Dec 75

Condylotomy. A clinical and experimental appraisal of a surgical technique. Banks P, et al. **J Maxillofac Surg** 3(3):170–81, Sep 75

Temporomandibular joint function and its effect on concepts of occlusion. Weinberg LA. **J Prosthet Dent** 35(5):553–66, May 76

A digital optoelectronic method for recording mandibular movement in association with oral electromyograms and temporomandibular joint noises. Duxbury AJ, et al. **Med Biol Eng** 12(5):707–11, Sep 74

[Articulation theory—today] Koeck B. **Dtsch Zahnaerztl Z** 30(12):781–8, Dec 75 (Eng. Abstr.) **(Ger)**

[An analysis of the condylar movement of the temporomandibular joint by an extraoral recording method (Part 1). Apparatus recording condylar movement at the external auditory meatus—(author's transl)] Ota K. **J Jpn Stomatol Soc** 42(2):192–201, Jun 75 **(Jpn)**

[Biomechanical studies of the temporomandibular joint] Zurowski R. **Reumatologia** 14(1):15–21, 1976 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Kinematics in TMJ problems. Three-case report. Babcock PP. **NY J Dent** 45(9):285–9, Nov 75

RADIOGRAPHY

Use of a submental-vertex analysis for producing quality temporomandibular joint laminagraphs. Williamson EH, et al. **Am J Orthod** 70(2):200–7, Aug 76

Radiographic changes in the temporomandibular joint subsequent to vertical ramus osteotomy. Wisth PJ, et al. **Int J Oral Surg** 4(6):242–50, Dec 75

Radiography of the temporomandibular joint utilizing oblique lateral transcranial projections. Comparison of information obtained with standardized technique and individualized technique. Omnell KA, et al. **Odontol Revy** 27(2):77–92, 1976

Routine tomography of the temporomandibular joint. Stanson AW, et al. **Radiol Clin North Am** 14(1):105–27, Apr 76

[The posterior position in orthopantomography: P [p]osition] Dupuis A, et al. **Acta Stomatol Belg** 72(4):797–801, 1975 **(Fre)**

[Selective tomography in the study of the temporo-mandibular joint. (author's transl)] Tréheux A, et al. **J Radiol Electrol Med Nucl** 56(10):691–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Dynamic tomoscopy. Experimental use of a new roentgen technic for the temporomandibular joint] Geering A. **Schweiz Monatsschr Zahnheilkd** 86(2):137–49, Feb 76 **(Ger)**

[The value of Schüller's temporomandibular joint radiography for the diagnosis of joint related malocclusion] Kundert M. **Schweiz Monatsschr Zahnheilkd** 86(4):393–412, Apr 76 (Eng. Abstr.) **(Ger)**

SURGERY

Technique of surgery of the mandibular joint. Norman JE. **Aust Dent J** 20(3):174–5, Jun 75

Temporomandibular ankylosis. Srivastava KP, et al. **Int Surg** 61(1):24–7, Jan 76

Simultaneous reconstruction of the area of the temporo-mandibular joint including the ramus of the mandible in a posttraumatic case. A case report. Freihofer HP, et al. **J Maxillofac Surg** 4(2):124–8, Jun 76

Dynamic splints for rehabilitation after surgical treatment of ankylosis. Gaurisas V. **J Oral Surg** 33(10):790–1, Oct 75

Surgical correction of temporomandibular joint arthritis. Morgan DH. **J Oral Surg** 33(10):766–73, Oct 75

Eminectomy for the treatment of recurrent temporomandibular joint dislocation. Westwood RM, et al. **J Oral Surg** 33(10):774–9, Oct 75

[Surgery of the temporomandibular joint] Dautrey J. **Acta Stomatol Belg** 72(4):577–81, 1975 **(Fre)**

[Surgery of the temporomandibular joint] Dautrey J. **Acta Stomatol Belg** 72(4):577–81, 1975 **(Fre)**

[Restoration of the temporomandibular joint. A new method of surgical treatment of ankylosis] Delaire J. **Acta Stomatol Belg** 72(4):555–72, 1975 **(Fre)**

[Restoration of temporomandibular articulation. A new method of surgical treatment of its ankylosis] Delaire J. **Acta Stomatol Belg** 72(4):555–72, 1975 **(Fre)**

[A new surgical treatment method for temporomandibular ankyloses. Conservation of the meniscus of attempt at reconstruction of an equivalent structure and mobilisation in propulsion] Delaire J. **Actual Odontostomatol (Paris)** (110):173–201, Jun 75 (Eng. Abstr.) **(Fre)**

[A system of plates for the reconstruction of the mandible including replacement of the joint] Luhr HG. **Dtsch Zahnaerztl Z** 31(9):747–8, Sep 76 **(Ger)**

[Clinical aspects and pathology of tumors of the temporomandibular joint] Utz W. **Dtsch Zahnaerztl Z** 31(2):169–71, Feb 76 (Eng. Abstr.) **(Ger)**

[Technic of anesthesia in ankylosis of the temporomandibular joints] Podlesch I. **Fortschr Kiefer Gesichtschir** 18:121–4, 1974 **(Ger)**

[Orthopedic jaw operations on the tuberculum articulare] Sauer H, et al. **Fortschr Kiefer Gesichtschir** 18:238–41, 1974 **(Ger)**

[A review of surgical procedures in habitual luxation of the temporomandibular joint with particular reference to procedures performed at Düsseldorf and Bonn clinics] Krzycka B. **Czas Stomatol** 29(3):253–8, Mar 76 (Eng. Abstr.) **(Pol)**

[Surgical treatment of ankylosis of the temporomandibular joint] Vainshtein EA. **Stomatologiia (Mosk)** 55(1):42–7, Jan–Feb 76 **(Rus)**

[Ankylosis of the temporomandibular joint] Mladenović Z, et al. **Med Pregl** 28(11–12):491–3, 1975 **(Ser)**

ULTRASTRUCTURE

[Examination of the structure and surface of articular disc in surgically treated arthropathies] Hornová J, et al. **Cesk Stomatol** 75(6):457–61, Dec 75 (Eng. Abstr.) **(Cze)**

TEMPOROMANDIBULAR JOINT SYNDROME

Mandibular dysfunction or jaw-related headaches: a review and definition. pp. 83–95. Roydhouse RH. **In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.** (35 ref.)

Editorial: Temporomandibular-joint syndrome. **Lancet** 2(7940):859–60, 1 Nov 75

The changing profile of the temporomandibular joint dysfunction patient. Shore NA. **NY State Dent J** 42(2 PT 1):83–4, Feb 76

[Headaches and facial diseases with special reference to the temporomandibular pain syndrome (TMPS)] Ruggieri FS. **Rev Fac Cienc Med Cordoba** 32(3–4):347–52, Jul–Dec 74 (Eng. Abstr.) **(Spa)**

BLOOD

Erythrocyte catechol-O-methyltransferase activity in facial pain patients. Marbach JJ, et al. **J Dent Res** 55(4):711, Jul–Aug 76

COMPLICATIONS

A two-year clinical dental evaluation of 200 cases of chronic headache: the craniocervical-mandibular syndrome. Gelb H, et al. **J Am Dent Assoc** 91(6):1230–6, Dec 75

Familial Mediterranean fever with temporomandibular joint arthritis. Simon G, et al. **Pediatrics** 57(5):810–2, May 76

[The pathogenesis of suboccipital muscle pain in functionally induced myoarthropathies of the masticatory organ] Kleinrok M. **Dtsch Zahnaerztl Z** 30(11):732–6, Nov 75 **(Ger)**

[Limitations in the opening of the mouth of an arthrogenic nature] Modica R, et al. **Minerva Stomatol** 24(4):163–76, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Temporo-mandibular joint dysfunction. Rosen T, et al. **Conn Med** 40(5):317–9, May 76

An interactive computer peripheral to measure the electromyographic silent period. Altug SS, et al. **IEEE Trans Biomed Eng** 23(2):160–4, Mar 76

The interrelaionships of various temporomandibular joint examination data in an initial survey population. Rieder CE. **J Prosthet Dent** 35(3):299–306, Mar 76

The great impostor. Diseases of the temporomandibular joint. Morgan DH. **JAMA** 235(22):2395, 31 May 76

[Photometric examination in temporomandibular joint syndrome] Stupecký J, et al. **Cesk Stomatol** 75(4):285–95, Jul 75 (Eng. Abstr.) **(Cze)**

[Scintigraphic study of the temporomandibular joint (preliminary report)] Fazekas A, et al. **Fogorv Sz**

68(10):311–4, Oct 75 **(Hun)**

DRUG THERAPY

[Administration of drops into the temporomandibular joint] Egorov PM. **Stomatologiia (Mosk)** 54(5):99–100, Sep–Oct 75 **(Rus)**

ETIOLOGY

Letter to the editor: More on facial pain symptoms. Roberts D. **Am J Orthod** 68(6):676–8, Dec 75

Occult tumors of the infratemporal fossa: report of seven cases appearing as preauricular facial pain. Shapshay SM, et al. **Arch Otolaryngol** 102(9):535–8, SEP 76

Possible premature degenerative temporomandibular joint disease in violinists. Rieder CE. **J Prosthet Dent** 35(6):662–4, Jun 76

Psychological implications in temporomandibular pain and dysfunction. Rugh JD, et al. **Oral Sci Rev** 1:3–30, 1976 (132 ref.)

[Chronic headache caused by a poorly fitting denture] Hansen PL. **Ugeskr Laeger** 138(3):161–3, 12 Jan 76 (Eng. Abstr.) **(Dan)**

[Pain from a complete prosthesis] Sangiuolo R, et al. **Rev Odontostomatol (Paris)** 3(2):103–14, Mar–Apr 74 **(Fre)**

[Studies on the personality structure of patients with myoarthropathy] Cathomen–Rötheli M, et al. **Schweiz Monatsschr Zahnheilkd** 86(1):29–40, Jan 76 (Eng. Abstr.) **(Ger)**

[Studies on possible correlations between diseases of the temporomandibular joint and female sex hormones] Ganshorn ML, et al. **ZWR** 84(16):726–8, 25 Aug 75 **(Ger)**

[Current data on the pathogenesis of functional disorders of the temporomandibular joint] Ember E. **Fogorv Sz** 68(12):353–6, Dec 75 **(Hun)**

[Adverse consequences of parafunction] Erika E. **Fogorv Sz** 69(6):167–71, Jun 76 (Eng. Abstr.) **(Hun)**

[Temporomandibular joint changes in rats with induced traumatogenic occlusion] Popa S. **Rev Chir [Stomatol]** 22(3):203–7, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Temporomandibular joint dysfunction caused by incorrect prosthetic activity] Prelipceanu F, et al. **Rev Chir [Stomatol]** 22(2):153–7, Apr–Jun 75 **(Rum)**

OCCURRENCE

Frequency of symptoms of mandibular dysfunction in young Swedish men. Molin C, et al. **J Oral Rehabil** 3(1):9–18, Jan 76

Epidemiological surveys of dysfunction of the masticatory system. Helkimo M. **Oral Sci Rev** 1:54–69, 1976 (61 ref.)

[Incidence and frequency of temporomandibular dysfunction and its management] Csapláros Z. **Fogorv Sz** 69(3):75–7, Mar 76 **(Hun)**

PHYSIOPATHOLOGY

The silent period in the masseter muscle of patients with TMJ dysfunction. Widmalm SE. **Acta Odontol Scand** 34(1):43–52, 1976

Electrodiagnosis at median occlusal position for human subjects with mandibular joint syndrome. McNamara DC. **Arch Oral Biol** 21(5):325–8, 1976

Proceedings: Mandibular movement, temporomandibular joint sounds, and the mandibular dysfunction syndrome. Duxbury AJ, et al. **J Physiol (Lond)** 257(1):30P–31P, May 76

Neurophysiologic studies of temporomandibular joint dysfunction. Yemm R. **Oral Sci Rev** 1:31–53, 1976 (98 ref.)

[Deep bite and diseases of the temporomandibular joint] Dymkov VN, et al. **Stomatologiia (Mosk)** 54(6):43–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Prevention and therapy of changes in temporomandibular joints in children with rheumatoid arthritis] Szymańska–Jagiello W, et al. **Fysiatr Reumatol Vestn** 53(4):200–3, Aug 75 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

[Participation of selective tomography in the diagnosis of the pain–dysfunction syndrome of the temporomandibular joint] Gosserez M, et al. **Acta Stomatol Belg** 72(4):787–92, 1975 **(Fre)**

[Role of selective tomography in the diagnosis of the temporomandibular joint pain and dysfunction syndrome] Gosserez M, et al. **Acta Stomatol Belg** 72(4):787–92, 1975 **(Fre)**

[Clinico–roentgenologic parallels in diseases of the temporomandibular joint] Dymkova VN. **Stomatologiia (Mosk)** 55(2):97–8, Mar–Apr 76 **(Rus)**

SURGERY

Condylotomy. A clinical and experimental appraisal of a surgical technique. Banks P, et al. **J Maxillofac Surg** 3(3):170–81, Sep 75

[Examination of the structure and surface of articular disc in surgically treated arthropathies] Hornová J, et al. **Cesk Stomatol** 75(6):457–61, Dec 75 (Eng. Abstr.) **(Cze)**

[New surgical technic for the treatment of painful temporomandibular dysfunction and temporomandibular luxation] Pereira LG. **Rev Stomatol Chir Maxillofac** 77(1):243–4, Jan–Feb 76 **(Fre)**

[A special method of arthroplasty of the temporomandibular joint] Papakonstantinou A, et al. **Stomatologia (Athenai)** 32(3):145–51, May–Jun 75 (Eng. Abstr.) **(Gre)**

THERAPY

The treatment of mandibular dysfunction pain. Possible application of psychological methods. Reading A, et al. **Br Dent J** 140(6):201–5, 16 Mar 76

Treatment of temporomandibular joint syndrome with biofeedback training. Carlsson SG, et al. **J Am Dent Assoc** 91(3):602–5, Sep 75

Letter: MPD syndrome treatment. Uthman AA. **J Am Dent Assoc** 92(6):1129, Jun 76

Response to nonsurgical treatment of patients with positive radiographic findings in the temporomandibular joint. Greene CS, et al. **J Oral Surg** 34(8):692–7, Aug 76

The myofascial pain dysfunction syndrome. II. Treatment. Goss AN. **NZ Dent J** 71(323):23–7, Jan 75

The myofascial pain dysfunction syndrome: an approach after 50 patients. Laws AJ. **NZ Dent J** 72(328):89–92, Apr 76

Non–surgical treatment of dysfunctions of the temporo–mandibular joint. Toller P. **Oral Sci Rev** 1:70–85, 1976 (26 ref.)

[Prevention and therapy of changes in temporomandibular joints in children with rheumatoid arthritis] Szymańska–Jagiello W, et al. **Fysiatr Reumatol Vestn** 53(4):200–3, Aug 75 (Eng. Abstr.) **(Cze)**

[New therapy of bruxism and painful syndromes of the temporomandibular joint] Klewansky P. **Rev Odontostomatol (Paris)** 3(2):139–48, Mar–Apr 74 **(Fre)**

[Clinical results of temporary inactivation therapy in functional disorders of the temporomandibular joints] Bickert–Müller VR. **Dtsch Zahnaerztl Z** 31(9):706–11, Sep 76 **(Ger)**

[Clinical results of the functional bite analysis. II. Co–determining factors for the therapeutic results] Schrems HT. **Dtsch Zahnaerztl Z** 30(7):431–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Clinical results of functional bite analysis. III. The effect of objectifiable factors upon the therapeutic results] Schrems HT. **Dtsch Zahnaerztl Z** 31(1):59–64, Jan 76 (Eng. Abstr.) **(Ger)**

[Clinical picture and treatment of the pain syndrome of dysfunction of the temporomadibuler joint] Egorov PM, et al. **Stomatologiia (Mosk)** 54(5):49–52, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

TENDINITIS

A study of painful shoulder in welders. Herberts P, et al. **Acta Orthop Scand** 47(4):381–7, Aug 76

[Retropharyngeal tendinitis] Elander I. **Lakartidningen** 73(15):1430–1, 7 Apr 76 **(Swe)**

COMPLICATIONS

Letter: Carpal tunnel syndrome and tennis elbow. Robins RH. **Br Med J** 2(6027):108, 10 Jul 76

The shin splints syndrome of the lower extremity. Subotnick SI. **J Am Podiatry Assoc** 66(1):43–5, Jan 76

DIAGNOSIS

[Tendovaginitis stenosans of the thumb in childhood] Kadner P. **Kinderaerztl Prax** 43(6):241–2, Jun 75 **(Ger)**

[Achillodynia (author's transl)] Ehrsam R. **Ther Umsch** 31(4):266–70, Apr 74 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Letter: Shoulder–cuff lesions. Clarke BM. **Br Med J** 1(6022):1402, 5 Jun 76

Letter: Injecting the painful shoulder. Weiser HI. **Lancet** 1(7959):589, 13 Mar 76

ETIOLOGY

Achilles tendonitis in runners: a report of five cases. Clancy WG Jr, et al. **Am J Sports Med** 4(2):46–57, Mar–Apr 76

Letter: Carpal tunnel syndrome and tennis elbow. Murray–Leslie C, et al. **Br Med J** 2(6034):526, 28 Aug 76

Calcifying tendinitis: a new concept of its pathogenesis. Uhthoff HK, et al. **Clin Orthop** (118):164–8, Jul–Aug 76

Basketball injuries. pp. 50–2. Blazina M, et al. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

The etiology and treatment of tennis elbow. pp. 43–50. Nirschl RP. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

Letter: Etiology of tennis elbow. Nirsch RP. **J Sports Med** 3(5):261–3, Sep–Oct 75

[Painful tibia and inflammation of the Achilles tendon as a consequence of static troubles (author's transl)] Segesser B. **Ther Umsch** 31(4):256–65, Apr 74 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Letter: Carpal tunnel syndrome and tennis elbow. Beer TC, et al. **Br Med J** 2(6030):299–300, 31 Jul 76

PATHOLOGY

[Role of cells in the formation and resolution of calcifying tendinitis] Uhthoff HK, et al. **Union Med Can** 105(1):30–3, Jan 76 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Stiffness of the proximal interphalangeal joints in rheumatoid arthritis. The role of flexor tenosynovitis. Millis MB, et al. **J Bone Joint Surg [Am]** 58(6):801–5, Sep 76

PREVENTION & CONTROL

Letter: Preventing 'tennis elbow'. Sillman FH. **N Engl J Med** 294(3):172, 15 Jan 76

RADIOGRAPHY

Calcific tendinitis of the shoulder joint and its roentgen manifestations. Pulich JJ. **J Am Osteopath Assoc** 75(11):987–93, Jul 76

SURGERY

[Epicondylitis and its treatment by Hohmann's operation (author's transl)] Podzimek F, et al. **Acta Chir Orthop Traumatol Cech** 42(5):433–9, Oct 75 (Eng. Abstr.) **(Cze)**

[Treatment of necrosis of the Achilles tendon (author's transl)] Dautry P, et al. **Ann Chir** 29(12):1093–8, Dec 75 (Eng. Abstr.) **(Fre)**

THERAPY

Treatment of capsulitis of the shoulder. Williams NE, et al. **Rheumatol Rehabil** 14(4):236, Nov 75

[Enthesopathia microtraumatica tuberositas tibiae] Niepel G. **Fysiatr Reumatol Vestn** 54(1):32–4, Feb 76 (Eng. Abstr.) **(Slo)**

VETERINARY

Percutaneous tendon splitting––method and results. Knudsen O. **Equine Vet J** 8(3):101–3, Jul 76

[Tendinitis of the horse. Definition, therapy and prognosis] Sonnichsen HV. **Tieraerztl Prax** 3(3):315–22, 1975 **(Ger)**

TENDON INJURIES

Closed rupture of the anterior tibial tendon. A case report and review of the literature. Meyn MA Jr. **Clin Orthop** (113):154–7, Nov–Dec 75

Closed acute traumatic rupture of extensor pollicis longus tendon–a report of two cases. Redden JF. **Hand** 8(2):173–5, Jun 76

[Discussion on Achilles tendon injuries and calcaneal fractures] **Hefte Unfallheilkd** (121):372–4, 1975 **(Ger)**

[Results of surgical treatment of ruptured long biceps tendons] Markgraf E, et al. **Zentralbl Chir** 100(13):792–6, 1975 **(Ger)**

[Subcutaneous rupture of the distal tendon of the brachial biceps] Bellando Randone P, et al. **Chir Organi Mov** 62(4):395–402, 1975 (Eng. Abstr.) **(Ita)**

[Traumatic dislocation of the peroneal tendons] Floares G, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):463–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

[Achilles tendon ruptures following direct cortisone injection] Linke E. **Hefte Unfallheilkd** (121):302–3, 1975 **(Ger)**

COMPLICATIONS

[Subcataneous spontaneous rupture of the long thumb extensor tendon (author's transl)] Stöberl F. **Unfallheilkunde** 79(7):323–5, Jul 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Dislocation of the peroneal tendons. Wobbes T. **Arch Chir Neerl** 27(3):209–15, 1975

Rupture of the tendo Achilles. Another diagnostic sign. Matles AL. **Bull Hosp Joint Dis** 36(1):48–51, Apr 75

Rupture of the tendo achilles: another diagnostic sign. Matles AL. **Bull Hosp Joint Dis** 36(1):48–51, Apr 75

Ruptures of the achilles tendon. DiStefano VJ, et al. **J Sports Med** 1(2):34–7, Jan–Feb 73

Subluxing biceps tendon in the athlete. O'Donoghue DH. **J Sports Med** 1(3):20–9, Mar–Apr 73

[Unrecognized or late operated on subcutaneous Achilles tendon rupture] Junge H. **Hefte Unfallheilkd** (121):315–7, 1975 **(Ger)**

[Acute rupture of the Achilles tendon, diagnosis and therapy] Radloff H. **Hefte Unfallheilkd** (121):303–8, 1975 **(Ger)**

[Errors in rendering first aid to patients with injuries of tendons of the flexors and nerves of the forearm] Reziapkin AT, et al. **Ortop Travmatol Protez** (11):13–5, Nov 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Simultaneous and spontaneous bilateral rupture of the patellar tendon in rheumatoid arthritis. A case report. Peiró A, et al. **Acta Orthop Scand** 46(4):700–3, Sep 75

Bilateral simultaneous rupture of the quadriceps tendons. Brotherton BJ, et al. **Br J Surg** 62(11):918–20, Nov 75

Letter: Rupture of plantaris tendon. Armstrong H.

Can Med Assoc J 115(6):497, 18 Sep 76

Investigation into hamstring strains: the case of the hybrid muscle. Burkett LN. **J Sports Med** 3(5):228–31, Sep–Oct 75

Subcutaneous rupture of the distal biceps brachii tendon; a report on seven cases. Postacchini F, et al. **J Sports Med Phys Fitness** 15(2):81–90, Jun 75

Triceps brachii rupture: case report. Searfoss R, et al. **J Trauma** 16(3):244–6, Mar 76

[Etiology and therapy of Achilles tendon ruptures] Heidenreich W. **Hefte Unfallheilkd** (121):308–10, 1975 **(Ger)**

[New aspects in the etiology of Achilles tendon rupture based on experimental studies] Wilhelm K. **Hefte Unfallheilkd** (121):330–2, 1975 **(Ger)**

[New results on the genesis of traumatic Achilles tendon rupture] Wilhelm K. **Langenbecks Arch Chir** Suppl:365–8, 1975 (Eng. Abstr.) **(Ger)**

[Peroneus tendon contracture – an unusual complication following distal fracture of the tibia with ankle joint involvement (author's transl)] Vécsei V, et al. **Unfallheilkunde** 79(3):105–7, Mar 76 (Eng. Abstr.) **(Ger)**

[Late subcutaneous injuries of the tendons of extensor digitorum muscles as a complication of intraosseous osteosynthesis of the radius] Onoprienko GA, et al. **Klin Khir** (9):65–7, 1975 **(Rus)**

METABOLISM

The fate of isolated segments of flexor tendons within the digital sheath--a study in synovial nutrition. Matthews P. **Br J Plast Surg** 29(3):216–24, Jul 76

[Disorders of metabolic processes in the damaged tendon tissue] Iushina TK. **Ortop Travmatol Protez** (11):9–12, Nov 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The incidence of Achilles tendon rupture. Nillius SA, et al. **Acta Orthop Scand** 47(1):118–21, Feb 76

PATHOLOGY

[Ultrastructural changes of human skeletal muscle after tendon and nerve injuries. I. Fine-structural changes of the hand muscles after tendor injuries (author's transl)] Józsa L, et al. **Arch Orthop Unfallchir** 84(2):179–86, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Morphology and causes of spontaneous Achilles tendon rupture] Könn G, et al. **Hefte Unfallheilkd** (121):297–302, 1975 **(Ger)**

PHYSIOPATHOLOGY

[Achilles tendon rupture--osseous avulsious and combined trauma] Schink W. **Hefte Unfallheilkd** (121):313–4, 1975 **(Ger)**

RADIOGRAPHY

Avulsion of the triceps tendon. Pantazopoulos T, et al. **J Trauma** 15(9):827–9, Sep 75

[Radiologic diagnosis and surgical treatment of closed injuries to the distal biceps tendon (author's transl)] Kalnberzs WK, et al. **Z Orthop** 113(5):956–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Roentgen diagnosis of rupture of the tendons of the long head of biceps brachii] Veĭsman IuA, et al. **Ortop Travmatol Protez** (11):55–7, Nov 75 **(Rus)**

REHABILITATION

A preliminary report: biofeedback training for early finger joint mobilization. Kukulka CG, et al. **Am J Occup Ther** 29(8):469–70, Sep 75

[Orthopedic and technical measures as curative and auxiliary methods in traumatic injuries of the calcaneus and the Achilles tendon] Chicote F, et al. **Hefte Unfallheilkd** (121):350–2, 1975 **(Ger)**

[Stimulating role of methyluracil in tendon regeneration] Rozovskaia TP, et al. **Ortop Travmatol Protez** (11):47–8, Nov 75 **(Rus)**

SURGERY

Surgical treatment of 102 tendo achillis ruptures-- suture or tenontoplasty? Jessing P, et al. **Acta Chir Scand** 141(5):370–7, 1975

Surgical treatment of rupture of the rotator cuff tendon. Bakalim G, et al. **Acta Orthop Scand** 46(5):751–7, Nov 75

Free graft of fascial tube in flexor tendon repair in the digital sheath of the hand. An attempt at a composite tissue autograft. Suzuki K, et al. **Acta Orthop Scand** 47(1):36–40, Feb 76

Repair of extensor tendon injuries of the hand. Blue AI, et al. **Am J Surg** 132(1):128–32, Jul 76

The dubiousness of grafting the dispensable flexor pollicis longus. Kilgore ES Jr, et al. **Am J Surg** 132(2):292–6, Aug 76

Assessment of the influence of the timing of repair on flexor tendon injuries in chickens. Gorriz GJ, et al. **Br J Plast Surg** 29(1):82–4, Jan 76

Keyhold tenodesis of biceps origin at the shoulder. Froimson AI, et al. **Clin Orthop** (112):245–9, Oct 75

Reconstruction of the posterior cruciate ligament: preliminary report of a new procedure. McCormick WC, et al. **Clin Orthop** (118):30–1, Jul–Aug 76

Surgical exposure of the flexor pollicis longus tendon. Bruner JM. **Hand** 7(3):241–5, Oct 75

Surgical exposure of the flexor pollicis longus tendon. Bruner JM. **Hand** 7(3):241–5, Oct 75

A biodegradable tendon gliding device. Cutright DE, et al. **Hand** 7(3):228–37, Oct 75

The late management of the isolated lesion of the flexor digitorum profundus tendon. Honner R. **Hand** 7(2):171–4, Jun 75

A simple tendon transfer for the isolated division of the flexor digitorum profundus. Rigg BM. **Hand** 7(3):246–9, Oct 75

Delayed flexor tendon repair in the digital sheath with end–to–end suture and fascial graft. Suzuki K. **Hand** 8(2):141–4, Jun 76

Intra–tendinous tendon suture in the hand. A new technique. Tsuge K, et al. **Hand** 7(3):250–5, Oct 75

Surgical treatment of dislocation of the peroneal tendons. Alm A, et al. **Injury** 7(1):14–9, Aug 75

Subcutaneous rupture of the Achilles tendon. Postacchini F, et al. **Int Surg** 61(1):14–8, Jan 76

Acute rupture of the peroneal retinaculum. Eckert WR, et al. **J Bone Joint Surg [Am]** 58(5):670–2, Jul 76

Evaluation of the two–stage flexor–tendon reconstruction in severely damaged digits. Weinstein SL, et al. **J Bone Joint Surg [Am]** 58(6):786–91, Sep 76

Treatment of tendon injuries in children. Herndon JH. **Orthop Clin North Am** 7(3):717–31, Jul 76

The role of tendon tissues in tendon healing. Furlow LT Jr. **Plast Reconstr Surg** 57(1):39–49, Jan 76

Should an incompletely severed tendon be sutured? Commentary. Kleinert HE. **Plast Reconstr Surg** 57(2):236, Feb 76

Should an incompletely severed tendon be sutured? Reynolds B, et al. **Plast Reconstr Surg** 57(1):36–8, Jan 76

Primary mobilization after secondary flexor tendon surgery. Bakalim G. **Scand J Plast Reconstr Surg** 9(3):240–4, 1975

The role of the digital synovial sheath in tendon grafting. An experimental and clinical study on autologous tendon grafting in the digit. Eiken O, et al. **Scand J Plast Reconstr Surg** 9(3):182–9, 1975

Homologous vessel graft as substitute for flexor tendon graft. An experimental study on rabbits. Stenström S, et al. **Scand J Plast Reconstr Surg** 9(3):177–81, 1975

Effects of suture on tensile strength gain of partially and completely severed tendons. Ollinger H, et al. **Surg Forum** 26:63–4, 1975

[Wounds of the flexor tendons of the fingers at the level of the hand. Results of primary sutures] Ficat C, et al. **J Chir (Paris)** 110(6):533–42, Dec 75 (Eng. Abstr.) **(Fre)**

[Prosthetic restoration with mersilene of an open iterative rupture of the Achilles tendon] Renard V, et al. **Nouv Presse Med** 5(10):647–8, 6 Mar 76 **(Fre)**

[Ruptures of the extensor mechanism of the knee joint (author's transl)] Refior HJ, et al. **Arch Orthop Unfallchir** 83(2):165–79, 27 Oct 75 (Eng. Abstr.) **(Ger)**

[Tendon sutures, tendon transplantations and tendon transfer on the hand] Wilhelm A. **Chirurg** 46(7):301–7, Jul 75 **(Ger)**

[Results of flexor tendon injuries. A comparative study of primary suture and secondary grafting] Martini A, et al. **Handchirurgie** 7(3):143–7, 1975 (Eng. Abstr.) **(Ger)**

[Turn–over plasty as therapy for old and fresh Achilles tendon rupture] Renné J, et al. **Hefte Unfallheilkd** (121):326–9, 1975 **(Ger)**

[Indication, technic and results of Achilles tendon suture with autologous corium] Terbrüggen D, et al. **Hefte Unfallheilkd** (121):318–20, 1975 **(Ger)**

[Neglected Achilles tendon rupture: Delayed treatment--plastic procedures] Walcher K. **Hefte Unfallheilkd** (121):311–3, 1975 **(Ger)**

[Foot tendon dislocations] Künzli HF. **Helv Chir Acta** 43(1–2):205–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Ruptures in the rotator aponeurosis (author's transl)] Rössler H. **Z Orthop** 114(3):282–94, Jun 76 (Eng. Abstr.) **(Ger)**

[Achilles tendon rupture] Arndt KH. **Zentralbl Chir** 101(6):360–4, 1976 **(Ger)**

[Is the 2–stage flexor–tendon–plasty justified?] Gronert HJ, et al. **Zentralbl Chir** 100(20):1256–62, 1975 **(Ger)**

[Covered extensor tendon injury in the finger and phalanx] Pömpner K. **Zentralbl Chir** 100(4):238–42, 1975 **(Ger)**

[Reconstruction of the injured flexor tendon in the proximal half of the 'no man's land' by a modified method (tendon sheath reconstruction using a vein graft)] Biró V. **Magy Traumatol Orthop** 19(1):60–3, 1976 (Eng. Abstr.) **(Hun)**

[Experimental tendon sheath formation by free transplantation of a long vein segment (comparative study of adhesions formed around free grafts and pedicled grafts)] Vilmos B, et al. **Magy Traumatol Orthop** 19(2):130–7, 1976 (Eng. Abstr.) **(Hun)**

[Remote results in the treatment of subcutaneous lesions of the Achilles tendor] Traina GC, et al. **Chir Organi Mov** 62(3):315–23, 1975 **(Ita)**

[Durability of removable wire tendinosutures] Aĭzenberg EA. **Khirurgiia (Mosk)** (7):113–5, Jun 75 **(Rus)**

[Artificial tendon sheaths from the blood vessels] Biro V, et al. **Ortop Travmatol Protez** (11):5–9, Nov 75 (Eng. Abstr.) **(Rus)**

[2–stage primary–restorative treatment of severe combined trauma of the hand with injury of the tendons of finger flexors] Chaplinskiĭ VV, et al. **Ortop Travmatol Protez** (9):43–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Injury of the tendons of the hand] Dubrov IaG. **Ortop Travmatol Protez** (5):75–81, May 75 **(Rus)**

[Tendoplasty of the deep flexors of the fingers] Levin LL. **Ortop Travmatol Protez** (7):64–5, Jul 75 **(Rus)**

[Remote results of primary suture of tendons of the hand and fingers] Nel'zina ZF, et al. **Ortop Travmatol Protez** (11):46–7, Nov 75 **(Rus)**

[Homoplastic reconstruction of the Achilles tendon] Kolontaĭ IuIu, et al. **Vestn Khir** 115(8):92–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Homoplasty of the tendon of the long head of the biceps brachii] Kolontaĭ IuIu, et al. **Vestn Khir** 115(11):106–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Treatment of injuries of the tendons of digital flexors] Kornilov NV, et al. **Vestn Khir** 114(1):91–6, Jan 75 (Eng. Abstr.) **(Rus)**

THERAPY

Conservative treatment to Achilles tendon rupture. A follow–up study of 14 cases. Lildholdt T, et al. **Acta Orthop Scand** 47(4):454–8, Aug 76

Conservative treatment of fresh subcutaneous rupture of the Achilles tendon. Nistor L. **Acta Orthop Scand** 47(4):459–62, Aug 76

A new method of treatment for mallet finger. Commentary. Littler JW. **Plast Reconstr Surg** 58(4):499–500, Oct 76

Effects of mobilization on tensile strength of partial tendon lacerations. Wray RC Jr, et al. **Surg Forum** 26:557–8, 1975

[Therapy of tendon lesions in general practice (author's transl)] Nigst H. **Ther Umsch** 32(12):814–9, Dec 75 (Eng. Abstr.) **(Ger)**

VETERINARY

Surgical correction of avulsion of the origin of the long distal extensor muscle in the dog. (a case report). Olmstead ML, et al. **Vet Med Small Anim Clin** 71(5):608–10, May 76

TENDON TRANSFER

The treatment of intoed gait in spina bifida patients by lateral transfer of the medial hamstrings. Gołski A, et al. **Aust NZ J Surg** 46(2):157–9, May 76

Early tendon transfer for radial nerve transection. Bevin AG. **Hand** 8(2):134–6, Jun 76

Extensor indicis proprius transfer to supplement replacement arthroplasty of the rheumatoid hand. Biddulph SL. **Hand** 8(2):137–40, Jun 76

A simple tendon transfer for the isolated division of the flexor digitorum profundus. Rigg BM. **Hand** 7(3):246–9, Oct 75

Restoration of pinch grip in traumatic ulnar palsy. Solonen KA, et al. **Hand** 8(1):39–44, Feb 76

Rehabilitation of the knee following pes anserinus transplantation. pp. 60–4. McFarland PH. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

Instability of the metacarpophalangeal joint of the thumb. Reconstruction of the collateral ligaments using the extensor pollicis brevis tendon. Sakellarides HT, et al. **J Bone Joint Surg [Am]** 58(1):106–12, Jan 76 (21 ref.)

Pes anserinus transplant: impressions after a decade of experience. Slocum DB, et al. **J Sports Med** 2(3):123–36, May–Jun 74

Triple tenodesis of the knee. Twomey MR. **Nurs Times** 71(48):1889–91, 27 Nov 75

Extraocular muscle transfer. Helveston EM. **Trans Am Acad Ophthalmol Otolaryngol** 79(5):722–6, Sep–Oct 75

[Clinico–experimental study of different types of allotenoplasty] Dedushkin VS, et al. **Vestn Khir** 115(8):88–92, Aug 75 (Eng. Abstr.) **(Rus)**

[Homoplastic reconstruction of the Achilles tendon] Kolontaĭ IuIu, et al. **Vestn Khir** 115(8):92–5, Aug 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Entrapment of the tibialis anterior tendon as a cause of nonunion in fractures of the distal tibia. Pho RW, et al. **J Trauma** 16(2):95–8, Feb 76

METHODS

Functional veloplasty in bilateral palatal palsy. Misurya VK. **Arch Otolaryngol** 102(7):436–8, Jul 76

Reconstruction of the posterior cruciate ligament: preliminary report of a new procedure. McCormick WC, et al. **Clin Orthop** (118):30–1, Jul–Aug 76

Treatment of forefoot equinus by tendon transpositions. McGlamry ED, et al. **J Am Podiatry Assoc** 65(9):872–88, Sep 75

Simplified technique for split tibialis anterior tendon transposition (STATT procedure). McGlamry ED, et al. **J Am Podiatry Assoc** 65(9):927–37, Sep 75

Transfer of tibialis posterior tendon in cerebral palsy. Bisla RS, et al. **J Bone Joint Surg [Am]** 58(4):497–500, Jun 76

Transposition of the tendon of pronator teres in cerebral palsy. Colton CL, et al. **J Bone Joint Surg [Br]** 58(2):220–3, May 76

Editorial: Tendon transfers in cerebral palsy. Samilson RL. **J Bone Joint Surg [Br]** 58(2):153–4, May 76

Restoration of muscle balance of the foot by transfer of the tibialis posterior. Williams PF. **J Bone Joint Surg [Br]** 58(2):217–9, May 76

Reconstruction of the extensor mechanism for subluxating patella. Hughston JC. **J Sports Med** 1(1):6–13, Sep–Oct

72
Use of extensor pollicis longus tendon as a distal extension for an opponens transfer. Kaplan I, et al.
Plast Reconstr Surg 57(2):186–9, Feb 76
A method for reconstruction of the central slip of the extensor tendon of a finger. Snow JW.
Plast Reconstr Surg 57(4):455–9, Apr 76
[A new procedure of palliative tendon transfer for opposition paralysis of the thumb (author's transl)] Gosset J.
Ann Chir 29(12):1065–6, Dec 75 (Eng. Abstr.) **(Fre)**
[Transplantation of the posterior tibialis through the interosseus membrane for paralysis of the anterior tibialis] Bonvallet JM. **Chirurgie** 101(12):972, Dec 75 **(Fre)**
[A method of palliative tendon transposition in the paralysis of opposition of the thumb] Gosset J. **Chirurgie** 101(8):556–7, 11–25 Jun 75 (Eng. Abstr.) **(Fre)**
[Transplantation of the posterior tibialis in paralysis of the external popliteal sciatic nerve] Mallet J. **Chirurgie** 101(12):909–12, Dec 75 (Eng. Abstr.) **(Fre)**
[Tendon sutures, tendon transplantations and tendon transfer on the hand] Wilhelm A. **Chirurg** 46(7):301–7, Jul 75 **(Ger)**
[Turn-over plasty as therapy for old and fresh Achilles tendon rupture] Renné J, et al. **Hefte Unfallheilkd** (121):326–9, 1975 **(Ger)**
[Restoration of grip by means of repair of the injured peripheral nerve and/or muscle-tendon transfer (author's transl)] Millesi H. **Langenbecks Arch Chir** 339:377–81, Nov 75 (Eng. Abstr.) **(Ger)**
[Is the 2-stage flexor-tendon-plasty justified?] Gronert HJ, et al. **Zentralbl Chir** 100(20):1256–62, 1975 **(Ger)**
[Superficial tendoplasty after injury of the intrinsic muscle] Vilmos B, et al. **Magy Traumatol Orthop** 19(2):126–9, 1976 (Eng. Abstr.) **(Hun)**
Preliminary determination of the degree of lengthening of the Achilles tendon] Saakian TsA.
Ortop Travmatol Protez (11):58–9, Nov 75 **(Rus)**
[Primary transplantation of the section of flexible tendon in 'nobody's land'] Jeftić M. **Med Pregl** 28(11–12):497–500, 1975 **(Ser)**

VETERINARY

Radial paralysis in a goat: treatment by tendon transplantation. Bacher JD, et al.
Vet Med Small Anim Clin 71(8):1031–4, Aug 76

TENDONS

Photoconductivity in bone and tendon. Fuller RG, et al.
Biophys J 16(7):845–6, Jul 76
The superior oblique tendon sheath syndrome. Differential diagnosis of deficient elevation in adduction. pp. 463–85. Scott AB.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Organization and immunological qualities of lyophilized and radiosterilized extrasynovial dog-tendon preparations. pp. 25–37. Fehér I, et al.
In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.
A single unit digital flexor tendon prosthesis. King RN, et al. **J Biomed Mater Res** 9(4):157–65, Jul 75
Design and fabrication of two types of artificial tendons for evaluation of surgical techniques. Wade CW, et al.
J Biomed Mater Res 9(4):149–55, Jul 75
Chondromas of the tendon sheath of the hand. Report of a case and review of the literature. Strong ML Jr.
J Bone Joint Surg [Am] 57(8):1164–5, Dec 75
[Cardiovascular complications of familial hypercholesteremic tendinous xanthomatosis (FHTX). Apropos of 400 cases of FHTX (type IIa, with tendinous xanthomas)] De Gennes JL, et al. **Ann Med Interne (Paris)** 125(12):889–902, Dec 74 (Eng. Abstr.) **(Fre)**
[Lumbrical plus syndrome] Baciu C, et al.
Rev Chir Orthop 61(2):153–7, Mar 75 (Eng. Abstr.) **(Fre)**
[Distinction of melanoma of soft parts from clear-cell sarcoma of tendons and aponeuroses. A histopathological and electron microscopic study (author's transl)] Tsueyoshi M. **Fukuoka Acta Med** 66(11):666–81, 25 Nov 75 (Eng. Abstr.) **(Jpn)**
[The clinical picture and pathogenesis of spontaneous biceps tendon ruptures in syringomyelia patients] Siortkin VM, et al. **Zh Nevropatol Psikhiatr** 75(6):840–5, 1975 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Superior oblique tendon sheath syndrome: an unusual case. Raab EL. **Ann Ophthalmol** 8(3):345–7, Mar 76
Unusual congenital anomalies of the thumb extensors. Report of two cases. Kobayashi A, et al. **Hand** 8(1):17–21, Feb 76
[Late results in the surgical treatment of camptodactylia] Berger A, et al. **Handchirurgie** 7(2):75–9, 1975 (Eng. Abstr.) **(Ger)**

ANALYSIS

Freeze-etch study of collagen. I. Native collagen from tendon and lung of rats. Belton JC, et al.
Arthritis Rheum 18(5):443–50, Sep-Oct 75
The distribution of water in calcified turkey leg tendon. Eanes ED, et al. **Calcif Tissue Res** 20(3):313–6, 14 Jun 76
Studies on ageing of collagen by perchlorate reactions. Verzár F, et al. **Experientia** 31(10):1183–6, 15 Oct 75
Effect of zinc deficiency on collagen cross-linking. Prasad CU, et al. **Indian J Biochem Biophys** 12(3):249–51, Sep 75
[Biochemical study of the human palmar aponeurosis under normal and pathological conditions] Tavormina V, et al. **Bull Assoc Anat (Nancy)** 59(164):275–85, Mar 75 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Some studies of the centrum tendineum of the diaphragm of camel (Camelus dromedarius). Taher ES, et al.
Anat Anz 138(3):192–202, 1975
The Ergonomics Research Society: the Society's lecture, 1974. The borderland of anatomy and ergonomics. Scothorne RJ. **Ergonomics** 18(5):479–89, Sep 75
Sheaths and mesotendons of the tendons of the extensor carpi radialis longus and brevis muscles and of the tendon of the extensor pollicis longus muscle. Zbrodowski A, et al.
Folia Morphol (Warsz) 35(1):105–12, 1976
[Morphology, variations and cause of variations of falx inguinalis] Radojević S, et al. **Acta Med Iugosl** 30(3):287–94, 1976 **(Cro)**
[Considerations on the origins of the lumbrical muscles: the digastric systems in the hand (author's transl)] Fahrer M. **Ann Chir** 29(11):979–82, Nov 75 (Eng. Abstr.) **(Fre)**
[Anatomic and functional relations between the tendons of the long palmar muscle and the long flexor muscle of the thumb at their crossing in the carpus] Verdan C, et al. **Ann Chir Plast** 20(2):191–6, 1975 (Eng. Abstr.) **(Fre)**
[Correlation of the dorsal tendinous variations of the hand with the arrangement of the entire tendinous extensor to the back of the finger in man] Vaclavek J.
Bull Assoc Anat (Nancy) 59(167):995–9, Dec 75 (Eng. Abstr.) **(Fre)**
[Attachment conditions and tendon length of straight eye muscles in relation to age] Kraus E, et al.
Ber Dtsch Ophthalmol Ges (73):666–73, 1975 **(Ger)**
[Constitution and structure of human tendons] József B, et al. **Magy Traumatol Orthop** 19(2):115–7, 1976 (Eng. Abstr.) **(Hun)**

DRUG EFFECTS

The response of human tendon to hydrocortisone injection. Lee SK, et al. **Singapore Med J** 16(4):259–62, Dec 75

EMBRYOLOGY

The development of human digital tendons. Chaplin DM, et al. **J Anat** 120(2):253–74, Nov 75

GROWTH & DEVELOPMENT

Age related Ca-Mg content and strength in turkey tendon. Leonard F, et al. **Calcif Tissue Res** 19(4):331–6, 31 Mar 76

INNERVATION

Sensory innervation of finger flexor tendons and their synovio-aponeurotic sheaths. Neuromorphological and histochemical study. Rozovskaya TP, et al.
Acta Chir Plast (Praha) 17(3):125–31, 1975
The tendon organs of cat soleus: static sensitivity to active force. Stauffer EK, et al. **Exp Brain Res** 23(3):279–91, 29 Sep 75
Multiple sites of impulse initiation in a tendon organ. Proske U, et al. **Exp Neurol** 50(2):515–20, Feb 76
Tendon organs of cat medial gastrocnemius: responses to active and passive forces as a function of muscle length. Stephens JA, et al. **J Neurophysiol** 38(5):1217–31, Sep 75

METABOLISM

A comparison of transfer RNA isoaccepting species between collagenous and noncollagenous tissues in the embryonic chick. Christner PJ, et al. **Arch Biochem Biophys** 172(2):399–409, Feb 76
Primary and secondary effects of ascorbate on procollagen synthesis and protein synthesis by primary cultures of tendon fibroblasts. Kao WW, et al.
Arch Biochem Biophys 173(2):638–48, Apr 76
Removal of amino-terminal and carboxy-terminal extension peptides from procollagen during synthesis of chick embryo tendon collagen. Uitto J, et al.
Biochem Biophys Res Commun 71(1):60–7, 12 Jul 76
Studies on the glycosylation of hydroxylysine residues during collagen biosynthesis and the subcellular localization of collagen galactosyltransferase and collagen glucosyltransferase in tendon and cartilage cells. Harwood R, et al. **Biochem J** 29(2):291–302, Nov 74
Effects of antirheumatic drugs on sponge-induced granulation tissue, rheumatoid synovial tissue, matrix-free tendon cells and fibroblast plasma membranes in vitro. Kulonen E, et al. **Biochem Pharmacol** 24(18):1671–8, 15 Sep 75
Ascorbate increases the synthesis of procollagen hydroxyproline by cultured fibroblasts from chick embryo tendons without activation of prolyl hydroxyla. Kao WW, et al. **Biochim Biophys Acta** 411(2):202–15, 5 Dec 75
Structural deterioration of tendon collagen in genetic muscular dystrophy. Stinson RH. **Biochim Biophys Acta** 400(2):255–7, 19 Aug 75
The fate of isolated segments of flexor tendons within the digital sheath--a study in synovial nutrition. Matthews P. **Br J Plast Surg** 29(3):216–24, Jul 76
Termination of procollagen chain synthesis by puromycin. Evidence that assembly and secretion require a COOH-terminal extension. Rosenbloom J, et al.
J Biol Chem 241(7):2070–6, 10 Apr 76
[Comparative studys on ages-related changes in collagen structures of Achilles and tail tendons in rats] Utevs'ka LA, et al. **Ukr Biokhim Zh** 48(1):34–8, Jan-Feb 76 (Eng. Abstr.) **(Ukr)**

PATHOLOGY

Cerebrotendinous xanthomatosis. Kearns WP, et al.
Arch Ophthalmol 94(1):148–50, Jan 76
[The pathogenesis of the spondylogenic reflex-syndrome (author's transl)] Waller U. **Praxis** 64(42):1346–50, 21 Oct 75 (Eng. Abstr.) **(Ger)**
[On a directed lipid infiltration in human tendon collagen (author's transl)] Nemetschek T, et al.
Virchows Arch [Pathol Anat] 370(3):251–4, 22 Jun 76 **(Ger)**

PHYSIOLOGY

A method for recording tendon strain in sheep during locomotion. Kear M, et al. **Acta Orthop Scand** 46(6):896–905, Dec 75
A preliminary report on regenerative healing in the equine tendon. Norrie RD. **Am J Vet Res** 36(10):1523–4, Oct 75
Mechanical transduction in the Golgi tendon organ: a hypothesis. Swett JE, et al. **Arch Ital Biol** 113(4):374–82, Dec 75
Heat and stretch procedures: an evaluation using rat tail tendon. Warren CG, et al. **Arch Phys Med Rehabil** 57(3):122–6, Mar 76
Tendon plasticity-a property applicable to reconstructive surgery of the hand. Enna CD, et al. **Hand** 8(2):118–24, Jun 76
The strength of the profundus tendon insertion. Holden CE, et al. **Hand** 7(3):238–40, Oct 75
The strength of the profundus tendon insertion. Holden CE, et al. **Hand** 7(3):238–40, Oct 75
The basis of the histological demonstration of tension in collagen. pp. 60–6. Flint MH.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Functional and anatomical considerations in major muscle tendon imbalance. Basmajian JV. **J Am Podiatry Assoc** 65(8):723–31, Aug 75
The growth of muscle following tenotomy. Crawford GN. **J Anat** 120(3):581–93, Dec 75
Viscoelastic creep of collagenous tissue. Cohen RE, et al. **J Biomech** 9(4):175–84, 1976
Piezoelectricity in tendon and bone. Williams WS, et al. **J Biomech** 8(6):407–13, 1975
Canine tendon studies. II. Biomechanical evaluation of normal and regrown canine tendons. Walker P, et al.
J Biomed Mater Res 10(1):61–76, Jan 76
The tendon organs of cat medial gastrocnemius: significance of motor unit type and size for the activation of Ib afferents. Reinking RM, et al. **J Physiol (Lond)** 250(3):491–512, Sep 75
[Bifasic course of collagen fiber elastic stretching] Bowitz R, et al. **Naturwissenschaften** 62(10):493–4, Oct 75 **(Ger)**
[Age-dependent changes in tissue-mechanism properties of human tendons] Arnold G, et al. **Verh Anat Ges** 69:413–9, 1975 (Eng. Abstr.) **(Ger)**
[Analysis of mechanical characteristics of tendons using the analog computer] Zech M, et al. **Verh Anat Ges** 69:771–5, 1975 (Eng. Abstr.) **(Ger)**
[Experimental studies on tissue mechanics of human tendons from the viewpoint of functional suitability during physiological and excessive stress] Gross F, et al.
Z Orthop 113(4):655–9, Aug 75 **(Ger)**

PHYSIOPATHOLOGY

A biomechanical study of rabbit patellar tendon: effects of steroid injection. Matthews LS, et al. **J Sports Med** 2(6):349–57, Nov-Dec 74

SECRETION

Secretion of unhydroxylated chick tendon procollagen. Jimenez SA, et al. **Biochem Biophys Res Commun** 67(2):735–40, 17 Nov 75
The route of secretion of procollagen. The influence of alphaalpha'-bipyridyl, colchicine and antimycin A on the secretory process in embryonic-chick tendon and cartilage cells. Harwood R, et al. **Biochem J** 156(1):81–90, 15 Apr 76

SURGERY

The dubiousness of grafting the dispensable flexor pollicis longus. Kilgore ES Jr, et al. **Am J Surg** 132(2):292–6, Aug 76
Tendon-lengthening in squint surgery. Hollwich F.
Ann Ophthalmol 8(6):721–6, Jun 76
Synergistic tenotomy: effect on chronically denervated slow and fast muscles of rat. Herbison GJ, et al.
Arch Phys Med Rehabil 56(11):483–7, Nov 75
Section of the abductor hallucis tendon for correction of metatarsus varus deformity. Lichtblau S. **Clin Orthop** (110):227–32, Jul-Aug 75
The influence of age on the results of open sternomastoid tenotomy in muscular torticollis. Ling CM. **Clin Orthop**

(116):142–8, May 76
Tendon shortening in striated muscle. Muhl ZF, et al. **Experientia** 31(9):1053–4, 15 SEP 75
Digital flexor tendon irrigation. Besser MI. **Hand** 8(1):72, Feb 76
Surgical exposure of the flexor pollicis longus tendon. Bruner JM. **Hand** 7(3):241–5, Oct 75
A biodegradable tendon gliding device. Cutright DE, et al. **Hand** 7(3):228–37, Oct 75
A malleable needle for tendon surgery. Gardner RC. **Hand** 7(2):185–6, Jun 75
Restoration of elbow flexion. Holtmann B, et al. **Hand** 7(3):256–61, Oct 75
Correction of ulnar subluxation of the extensor communis. Kilgore ES, et al. **Hand** 7(3):272–4, Oct 75
Correction of ulnar subluxation of the extensor communis. Kilgore ES, et al. **Hand** 7(3):272–4, Oct 75
Intra-tendinous tendon suture in the hand--a new technique. Tsuge K, et al. **Hand** 7(3):250–5, Oct 75
Perforation of the deep palmar arch produced by surgical wire after tenorrhaphy. A case report and review of the literature. Diaz JE, et al. **J Bone Joint Surg [Am]** 57(8):1150–2, Dec 75
Immobilization of fingers and thumb after flexor tendon surgery: a simple technique. Mangus DJ. **Plast Reconstr Surg** 58(4):510–1, Oct 76
Letter: Regarding the role of tendon tissues in tendon healing. van der Meulen JC. **Plast Reconstr Surg** 58(3):364–5, Sep 76
Volar tenosynovectomy in the rheumatoid hand. Eiken O, et al. **Scand J Plast Reconstr Surg** 10(1):59–63, 1976
Flexor tendon synovectomy of the hand in rheumatoid arthritis. A follow-up study of 201 operated hands. Dahl E, et al. **Scand J Rheumatol** 5(2):103–7, 1976
[Study on compensatory muscular hypertrophy after tenotomy of the synergists] Hník P, et al. **Cesk Fysiol** 24(4):367–70, 1975 **(Cze)**
[Experimental 'hormonal tenolysis' by cortisone therapy (author's transl)] Walcher K, et al. **Arch Orthop Unfallchir** 84(1):1–12, 26 Feb 76 (Eng. Abstr.) **(Ger)**
[Proceedings: Tenosurgery in strabismus operations] de Decker W. **Ber Dtsch Ophthalmol Ges** (73):631–2, 1975 **(Ger)**
[Treatment of stress urinary incontinence by urethral suspension from the common tendon] Bravo Sandoval J. **Ginecol Obstet Mex** 40(237):65–9, Jul 76 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Transplantation of tendons sterilized in formalin vapours and preserved in paraffin oil. Timashkevich KD, et al. **Acta Chir Plast (Praha)** 17(4):212–8, 1975
The classic: Tendon transplants in orthopedic practice by A Codvilla. Codavilla A. **Clin Orthop** (118):2–6, Jul–Aug 76
Use of chemically preserved tendon allografts in hand surgery. Iselin F, et al. **Hand** 8(2):167–72, Jun 76
Observations on the use of silicone rubber spacers in tendon graft surgery. Leonard AG, et al. **Hand** 8(1):66–8, Feb 76
Tendon grafting with glutaraldehyde fixed material. McMaster WC, et al. **J Biomed Mater Res** 10(2):259–71, Mar 76
Evaluation of the two-stage flexor-tendon reconstruction in severely damaged digits. Weinstein SL, et al. **J Bone Joint Surg [Am]** 58(6):786–91, Sep 76
Late reconstruction of the ligaments following acromioclavicular separation. Zaricznyj B. **J Bone Joint Surg [Am]** 58(6):792–5, Sep 76
The role of the digital synovial sheath in tendon grafting. An experimental and clinical study on autologous tendon grafting in the digit. Eiken O, et al. **Scand J Plast Reconstr Surg** 9(3):182–9, 1975
A review of composite tissue allografts of the digital flexor mechanism. Peacock EE Jr. **Transplant Proc** 8(2 Suppl 1):119–27, Jun 76
[Flexor tendon grafts after provisional implantation of silicone rods. Study and results of 32 cases] Chamay A, et al. **Rev Chir Orthop** 61(7):599–610, Oct–Nov 75 (Eng. Abstr.) **(Fre)**
[The tendon interposition plastic with partly necrosised scaphoid pseudarthrosis (author's transl)] Wilhelm K, et al. **Arch Orthop Unfallchir** 83(1):63–5, 4 Sep 75 (Eng. Abstr.) **(Ger)**
[Intrinsic problem with tenoplasty] pp. 363–4. Haas HG. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**
[Clinical and experimental studies on the transplantation of preserved tendons] Voorhoeve A, et al. **Langenbecks Arch Chir** Suppl:273–5, 1975 (Eng. Abstr.) **(Ger)**
[Distal fixation of the free flexor tendon graft using a bone wedge. (A new principle for the immediate mobilization of the hand)] Hinze M, et al. **Zentralbl Chir** (11):663–73, 1975?36100 **(Ger)**
[Reconstruction of the injured flexor tendon in the proximal half of the 'no man's land' by a modified method (tendon sheath reconstruction using a vein graft)] Bíró V. **Magy Traumatol Orthop** 19(1):60–3, 1976 (Eng. Abstr.) **(Hun)**
[Local indentation of the sclera by means of the Achilles tendon in the treatment of retinal detachment] Khasanova NK!., et al. **Oftalmol Zh** 30(7):489–90, 1975 (Eng. Abstr.) **(Rus)**
[Artificial tendon sheaths from the blood vessels] Biro V, et al. **Ortop Travmatol Protez** (11):5–9, Nov 75 (Eng. Abstr.) **(Rus)**
[Tendon homoplasty in children] Kolontaĭ Iulu, et al. **Ortop Travmatol Protez** (11):1–5, Nov 75 (Eng. Abstr.) **(Rus)**
[Preservation of tendon tissue in hordecin solution] Beringer IuV, et al. **Vestn Khir** 114(4):60–3, Apr 75 (Eng. Abstr.) **(Rus)**
[Clinico-experimental study of different types of allotenoplasty] Dedushkin VS, et al. **Vestn Khir** 115(8):88–92, Aug 75 (Eng. Abstr.) **(Rus)**
[Homoplasty of the tendon of the long head of the biceps brachii] Kolontaĭ Iulu, et al. **Vestn Khir** 115(11):106–8, Nov 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of native collagen. Bocciarelli DS. **Ann Ist Super Sanita** 10(3–4):191–202, 1974
The fine structure of the elastic tendons in the human arrector pili muscle. Guerra Rodrigo F, et al. **Br J Dermatol** 93(6):631–7, Dec 75
Ultrastructural features of adult human tendon. Dyer RF, et al. **Cell Tissue Res** 168(2):247–59, 6 May 76
Some observations on the fine structure of the myotendinous junction in myotomal muscle of the tadpole tail. Nakao T. **Cell Tissue Res** 166(2):241–54, 12 Feb 76
13C Magnetic resonance evidence for anisotropic molecular motion in collagen fibrils. Torchia DA, et al. **J Mol Biol** 104(1):315–21, 14 Jun 76
Small-angle scattering experiments on biological materials using synchrotron radiation. Bordas J, et al. **Nature** 262(5569):541–5, 12 Aug 76
Negative staining of rat tail tendon collagen fibrils with uranyl formate. Knight DP. **Tissue Cell** 7(4):651–4, 1975

TENDONS, PARA-ARTICULAR

Reconstruction of the canine Achilles and patellar tendons using dacron mesh silicone prosthesis. I. Clinical and biocompatibility evaluation. Amstutz HC, et al. **J Biomed Mater Res** 10(1):47–59, Jan 76

ANATOMY & HISTOLOGY

A study of the flexor digitorum superficialis tendon in flexion and extension at the proximal interphalangeal joint. Shrewsbury MM, et al. **Bull Hosp Joint Dis** 36(1):40–7, Apr 75
[Anatomy of the lateral malleolar sulcus – a contribution to the causation of displacement of peroneal tendons (author's transl)] Radke J, et al. **Z Orthop** 113(5):858–63, Oct 75 (Eng. Abstr.) **(Ger)**
[Anatomy of the sulcus of the extensor carpi radialis tendon (author's transl)] Radke J, et al. **Z Orthop** 113(5):864–9, Oct 75 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effects of local steroid injections on tendons: a biomechanical and microscopic correlative study. Kennedy JC, et al. **Am J Sports Med** 4(1):11–21, Jan–Feb 76
Letter: Steroid injections. **J Sports Med** 2(1):57–8, Jan–Feb 74

INJURIES

Simultaneous and spontaneous bilateral rupture of the patellar tendon in rheumatoid arthritis. A case report. Peiró A, et al. **Acta Orthop Scand** 46(4):700–3, Sep 75
Tendon ruptures with secondary hyperparathyroidism. A case report. Cirincione RJ, et al. **J Bone Joint Surg [Am]** 57(6):852–3, Sep 75
[Ruptures of the extensor mechanism of the knee joint (author's transl)] Refior HJ, et al. **Arch Orthop Unfallchir** 83(2):165–79, 27 Oct 75 (Eng. Abstr.) **(Ger)**
[Late subcutaneous injuries of the tendons of extensor digitorum muscles as a complication of intraosseous osteosynthesis of the radius] Onoprienko GA, et al. **Klin Khir** (9):65–7, 1975 **(Rus)**

PHYSIOLOGY

A study of the flexor digitorium superficialis tendon in flexion and extension at the proximal interphalangeal joint. Tucker AB, et al. **Bull Hosp Joint Dis** 36(1):40–7, Apr 75
The influence of physical activity on ligaments and tendons. Tipton CM, et al. **Med Sci Sports** 7(3):165–75, Fall 75 (71 ref.)
The role of tendon tissues in tendon healing. Furlow LT Jr. **Plast Reconstr Surg** 57(1):39–49, Jan 76
[Stress capacity of human tendon tissue] Krahl H. **Z Orthop** 113(4):730–4, Aug 75 **(Ger)**
[Experimental single-stage reconstruction of the tendon sheath and flexor tendon (free tendon graft, using a vein for sheath on the flexor tendon in dogs)] Bíró V, et al. **Magy Traumatol Orthop** 19(1):52–9, 1976 (Eng. Abstr.) **(Hun)**

SURGERY

Reconstruction of the patellar tendon using a dacron graft: a case report. Levin PD. **Clin Orthop** (118):70–2, Jul–Aug 76
Advancement of the tibial tuberosity. Maquet P. **Clin Orthop** (115):225–30, Mar–Apr 76
The treatment of developmental coxa vara by abduction subtrochanteric and intertrochanteric femoral osteotomy with special reference to the role of adductor tenotomy. Weighill FJ. **Clin Orthop** (116):116–24, May 76
Tendon and pulleys at the metacarpophalangeal joint of a finger. Brand PW, et al. **J Bone Joint Surg [Am]** 57(6):779–84, Sep 75
Factors in the adherence of flexor tendon after repair: an experimental study in the rabbit. Matthews P, et al. **J Bone Joint Surg [Br]** 58(2):230–6, May 76
Tenodesis of flexor hallucis longus for paralytic clawing of the hallux in childhood. Sharrard WJ, et al. **J Bone Joint Surg [Br]** 58(2):224–6, May 76
Preventive surgery – tenosynovectomy and synovectomy. Millender LH, et al. **Orthop Clin North Am** 6(3):765–92, Jul 75 (22 ref.)
[Dorsal tenosynovectomy of the wrist in rheumatoid arthritis. Results obtained in 30 cases] Nordin JY, et al. **Rev Rhum Mal Osteoartic** 43(4):291–6, Apr 76 (Eng. Abstr.) **(Fre)**
[Hormonal tendolysis in animal experiment] Walcher K, et al. **Langenbecks Arch Chir** Suppl:187–90, 1975 (Eng. Abstr.) **(Ger)**
[Solitary tuberculoma in the tendonous section of the m. quadriceps] János S, et al. **Magy Traumatol Orthop** 19(2):105–7, 1976 (Eng. Abstr.) **(Hun)**
[Durability of removable wire tendinosutures] Aĭzenberg EA. **Khirurgiia (Mosk)** (7):113–5, Jun 75 **(Rus)**
[Remote results of primary suture of tendons of the hand and fingers] Nel'zina ZF, et al. **Ortop Travmatol Protez** (11):46–7, Nov 75 **(Rus)**

TRANSPLANTATION

Transfer of tibialis posterior tendon in cerebral palsy. Bisla RS, et al. **J Bone Joint Surg [Am]** 58(4):497–500, Jun 76
[Results of transplantation of homologous and heterologous tendons as ligament attachements in the unstable knee] Voorhoeve A, et al. **Hefte Unfallheilkd** (125):117–23, 1975 **(Ger)**
[2-stage primary-restorative treatment of severe combined trauma of the hand with injury of the tendons of finger flexors] Chaplinskiĭ VV, et al. **Ortop Travmatol Protez** (9):43–6, Sep 75 (Eng. Abstr.) **(Rus)**

TENEBRIO

DRUG EFFECTS

Novel nonterpenoid insect growth regulators. Pallos FM, et al. **J Agric Food Chem** 24(2):218–21, Mar–Apr 76
Screening for mycotoxins with larvae of Tenebrio molitor. Davis GR, et al. **J Invertebr Pathol** 26(3):299–303, Nov 75
Naturally occurring insect growth regulators. III. Echinolone, a highly active juvenile hormone mimic from Echinacea angustifolia roots. Jacobson M, et al. **Lloydia** 38(6):473–6, Nov–Dec 75

ENZYMOLOGY

Physical and catalytic properties of alpha-amylase from Tenebrio molitor L. larvae. Buonocore V, et al. **Biochem J** 153(3):621–5, 1 Mar 76
An electrophoretic and pH comparison of the soluble trehalases of several insect species. Talbot BG, et al. **Comp Biochem Physiol [B]** 53(3):367–9, 1976
Interaction of Tenebrio molitor L. alpha-amylase with a wheat flour protein inhibitor. Buonocore V, et al. **FEBS Lett** 67(2):202–6, 15 Aug 76

GROWTH & DEVELOPMENT

Thermodynamic aspects of development for Tenebrio molitor L. Loehr KD, et al. **Experientia** 32(8):1002–3, 15 Aug 76
[Adult leg development of Tenebrio molitor: I. Experimental analysis of the restoration process during morphogenesis (author's transl)] Huet C, et al. **J Embryol Exp Morphol** 35(2):303–21, Apr 76 **(Fre)**

IMMUNOLOGY

Spermatophore of the mealwork beetle: immunochemical characteristics suggest affinities with male accessory gland. Frenk E, et al. **J Insect Physiol** 22(6):891–5, 1976

METABOLISM

The cryptonephridial system in the mealworm Tenebrio molitor: transport of radioactive potassium, thallium and sodium; a functional and structural study. Koefoed BM. **Cell Tissue Res** 165(1):63–78, 29 Dec 75
[Value of alkane-produced protein and three animal meals for growth and body nitrogen of meal worms (Tenebrio molitor L.)] Gnacadja PC. **Ann Nutr Aliment** 29(1):51–60, 1975 (Eng. Abstr.) **(Fre)**
[Quantitation of nuclear RNA synthesis in the ovary of adult Tenebrio molitor] Chaminade MM, et al. **C R Acad Sci [D] (Paris)** 282(13):1297–300, 29 Mar 76 (Eng. Abstr.) **(Fre)**
[Pentose cycle during development of the beetle Tenebrio molitor] Gourdoux L, et al. **C R Soc Biol (Paris)**

168(10–11–12):1289–92, 1974 (Eng. Abstr.) **(Fre)**
[The pathways of glucose catabolism in Tenebrio molitor: the effects of fasting and the injection of the corpus cardiacum–corpus allatum complex] Gourdoux L.
C R Soc Biol (Paris) 169(4):941–5, 1975 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Variations in the structure of the abdominal cuticle of Tenebrio molitor L.] Delachambre J. **Tissue Cell** 7(4):669–76, 1975 (Eng. Abstr.) **(Fre)**

TENNIS see under **SPORTS**

TENOSYNOVITIS

Superior oblique click in a variable bilateral Brown's syndrome. De Corte H. **Bull Soc Belge Ophtalmol** 170:690–700, 1975
[Pigmented, villonodular synovitis, tenosynovitis and bursitis (study of 75 cases)] Campanacci M, et al.
Chir Organi Mov 61(6):675–86, 1975 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Bilateral carpal tunnel syndrome secondary to gouty tenosynovitis: a case report. Pledger SR, et al.
Clin Orthop (118):188–9, Jul–Aug 76

DIAGNOSIS

Painful thumb. Jones KG. **J Arkansas Med Soc** 72(6):249–50, Nov 75

DRUG THERAPY

The effect of local steroid injections on tendon. Unverferth LJ, et al. **J Sports Med** 1(4):31–7, 1973

ETIOLOGY

Disseminated gonococcal infection and tenosynovitis from an asymptomatically infected intrauterine contraceptive device. Colin MJ, et al. **N Engl J Med** 294(11):598–9, 11 Mar 76
[Chronic tendovaginitis and contractures after paronychia] Usol'tseva EV. **Klin Khir** (12):46–8, Dec 75 **(Rus)**

FAMILIAL & GENETIC

Progressive tenosynovitis with contractures and possible systemic involvement—a new heritable disorder of connective tissue? Di Liberti JH, et al. **Birth Defects** 11(6):81–2, 1975

PREVENTION & CONTROL

[Experimental 'hormonal tenolysis' by cortisone therapy (author's transl)] Walcher K, et al.
Arch Orthop Unfallchir 84(1):1–12, 26 Feb 76 (Eng. Abstr.) **(Ger)**

SURGERY

Implant resection arthroplasty in arthritis of the upper extremity. Lumsden RM. **Ariz Med** 32(11):873–5, Nov 75
Keyhold tenodesis of biceps origin at the shoulder. Froimson AI, et al. **Clin Orthop** (112):245–9, Oct 75
Pigmented villonodular synovitis in podiatric medicine. Galinski AW, et al. **J Am Podiatry Assoc** 66(7):471–6, JUL 76
Preventive surgery – tenosynovectomy and synovectomy. Millender LH, et al. **Orthop Clin North Am** 6(3):765–92, Jul 75 (22 ref.)
[Clinical picture and therapy of stenosing tendovaginitis of the hand] Knote G, et al. **Med Welt** 27(8):367–9, 20 Feb 76 **(Ger)**
[Surgical anatomy of the first osseo–fibrous canal in Quervain's disease] Mikhailenko VV.
Ortop Travmatol Protez (11):59–61, Nov 75 **(Rus)**

VETERINARY

Infectious tenosynovitis (viral arthritis): characterization of a Connecticut viral isolant as a reovirus and evidence of viral egg transmission by reovirus–infected broiler breeders. van der Heide L, et al. **Avian Dis** 19(4):683–8, Oct–Dec 75
[Tendovaginitis in the region of the tarsal joint in productive bulls] Berezovskii AV. **Veterinariia** (12):96–7, Dec 75 **(Rus)**

TENSION–DISCHARGE DISORDERS see under **PERSONALITY DISORDERS**

TENSOR TYMPANI see under **TYMPANIC MEMBRANE**

TENUAZONIC ACID see under **ANTIBIOTICS, ANTINEOPLASTIC**

TEPA see under **AZIRINES**

TERATOGENS

see related
ABNORMALITIES, DRUG–INDUCED

Eye anomalies induced by cyclophosphamide in rat fetuses. Singh S, et al. **Acta Anat (Basel)** 94(4):490–6, 1976
Teratogenic effects of food addictive ethyl–p–hydroxy benzoate studied in pregnant rats. Moriyama I, et al.
Acta Obstet Gynaecol Jpn 22(2):94–106, Apr 75
A prospective study of drugs and pregnancy. 3. Hormones. Kullander S, et al. **Acta Obstet Gynecol Scand** 55(3):221–4, 1976
Drugs of abuse: teratogenic and mutagenic considerations. Evans MA, et al. **Addict Dis** 2(1–2):45–61, 1975
An evaluation of the teratogenicity of certain antinauseant drugs. Miklovich L, et al. **Am J Obstet Gynecol** 125(2):244–8, 15 May 76
Mechanisms of halogenated nucleoside embryotoxicity. Skalko RG, et al. **Ann NY Acad Sci** 255(751106–751230–2):552–8, 8 Aug 75
Teratogenicity of patulin and patulin adducts formed with cysteine. Ciegler A, et al. **Appl Environ Microbiol** 31(5):664–7, May 76
Preliminary toxicological investigations of 3–hydroxy–3–methylglutaric acid (HMG). I: Study of acute toxicity and of teratogenic activity in rats and mice. Savoie LL, et al. **Arzneim Forsch** 25(8):1284–6, Aug 75
Teratogenic activity of Arasan fed to broiler breeder hens. Page RK. **Avian Dis** 19(3):463–72, Jul–Sep 75
Teratogenicity of minor tranquilizers.
Behav Neuropsychiatry 7(1–12):4–5, Apr–Mar 75–76
Preliminary study of caffeine and chloroquine enhancement of x–ray induced birth defects. Yielding LW, et al.
Biochem Biophys Res Commun 68(4):1356–61, 23 Feb 76
The analysis of binary responses from toxicological experiments involving reproduction and teratogenicity. Williams DA. **Biometrics** 31(4):949–52, Dec 75
Cellular respiration in abnormally developing embryos. Netzloff ML, et al. **Birth Defects** 12(5):83, 1976
Birth defect surveillance in the search for and evaluation of possible human teratogens. Oakley GP Jr.
Birth Defects 12(5):1–6, 1976
Environmental teratogens of man. Smithells RW.
Br Med Bull 32(1):27–33, Jan 76 (97 ref.)
Teratological evaluation of zearalenone administered orally to the rat. Ruddick JA, et al.
Bull Environ Contam Toxicol 15(6):678–81, Jun 76
Teratogenic and toxicological effects of 2,4,5—trichlorophenoxyacetic acid in developing chick embryos. Strange JR, et al.
Bull Environ Contam Toxicol 15(6):682–8, Jun 76
Letter: Safety of retinoic acid in acne therapy. Wilkinson RD. **Can Med Assoc J** 113(7):606–8, 4 Oct 75
Aspects of the teratology of cyclophosphamide (NSC–26271). Ashby R, et al. **Cancer Treat Rep** 60(4):477–82, Apr 76
Valium: an oral cleft teratogen? Safra MJ, et al.
Cleft Palate J 13:198–200, Jul 76
Re–evaluation of the effect of spray adhesives on human chromosomes. Lubs HA, et al. **Clin Genet** 9(3):302–6, Mar 76
Clinical teratology. Foreword. Monif GR, et al.
Clin Obstet Gynecol 18(4):139–40, Dec 75
Xenobiotics and molecular teratology. Sonntag AC.
Clin Obstet Gynecol 18(4):199–207, Dec 75 (21 ref.)
Placental transfer and teratology of pentachlorophenol in rats. Larsen RV, et al. **Environ Lett** 10(2):121–8, 1975
Teratogenic micromelia in the chick embryo: osteo–vasculo–neural macro–relations. Roth M.
Folia Morphol (Praha) 23(3):236–46, 1975
Studies on the teratogenicity of alkylbenzene sulphonates. Charlesworth FA. **Food Cosmet Toxicol** 14(2):152–4, Apr 76 (25 ref.)
Mirex: a teratogenicity, dominant lethal and tissue distribution study in rats. Khera KS, et al.
Food Cosmet Toxicol 14(1):25–9, Jan 76
Teratologic effects of cannabis extracts in rabbits: a preliminary study. pp. 457–68. Fournier E, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.
Alteration of delta9–tetrahydrocannabinol–induced prenatal toxicity by phenobarbital and SKF–525A. pp. 469–80. Mantilla–Plata B, et al.
In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.
The ferret as a teratological model. pp. 8–20. Beck F.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Studies on blastema and epithelium of the limb anlage of mouse embryos. pp. 151–60. Berg PL, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Some evaluations of effects of prenatal drug treatment on postnatal development. pp. 502–16. Chahoud I, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Gaschromatographic studies on drug distribution and pharmacokinetics in pregnant mice and embryos. pp. 298–310. Gazith J.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Organ and tissue specificity of response to teratogenic insult. pp. 573–90. Johnson EM.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Assessment of teratogenic response in cultured postimplantation mouse embryos: effects of hydroxyurea. pp. 250–77. Kochhar DM.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Advances in the evaluation of drug effects on mammalian embryos performed with a biochemical screening system. pp. 614–45. Krowke R, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
The influence of teratogens on cellular and tissue behavior during the second half of pregnancy and their effect on postnatal behavior. pp. 439–68. Langman J, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Mammalian limb buds differentiating in vitro as a test system for the evaluation of embryotoxic effects. pp. 99–113. Lessmöllmann U, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Ultrastructural changes in the dorsal root ganglia evoked by thalidomide, preceding limb development. pp. 709–15. McBride WG.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Significance of the limb bud culture system for investigations of teratogenic mechanisms. pp. 161–99. Merker HJ.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
New approaches to the evaluation of abnormal embryonic development. Introduction. The significance of prenatal toxicology and the organization and program of the special research area 29 (Embryonal development and differentiation) at the Free University, Berlin. pp. 1–6. Neubert D, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
The effects of diazo–oxo–norleucine (DON) on development of the palatal epithelium in vitro. pp. 648–58. Pratt RM, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Histochemical and electronmicroscopical studies on the mechanism of the teratogenic action of 6–aminonicotinamide (6–AN). pp. 659–77. Roetz R.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Teratogenicity of diphosphonates in rats. pp. 728–45. Röhnelt M.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
The mode of action of the thymidine analogue, 5–bromodeoxyuridine, a model teratogenic agent. pp. 804–21. Rutter WJ, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Kinetic aspects of the placental transport of teratogens. pp. 326–52. Skalko RG.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Studies on embryotoxic effects of U–13C–glucose during the preimplantation development of mouse embryos. pp. 408–18. Spielmann H, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Comparative distribution of teratogenic drugs in pregnant rats and rhesus monkeys. pp. 311–25. Wilson JG, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Teratogen testing using preimplantation mammalian embryos. pp. 113–24. Brinster RL.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North–Holland, 1975. QS 675 M592 1974. 1974
Somatic cell genetics and teratogenesis. pp. 95–102. Littlefield JW.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North–Holland, 1975. QS 675 M592 1974. 1974
Invited discussion: embryonic cell and tissue cultures as test systems for teratogenic agents. pp. 103–11. Moscona AA.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North–Holland, 1975. QS 675 M592 1974.

1974
The use of human abortuses in the search for teratogens. pp. 189–96. Oakley GP Jr.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North-Holland, 1975. QS 675 M592 1974. 1974
Chemical structure and teratogenic properties. pp. 65–77. Schumacher HJ.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North-Holland, 1975. QS 675 M592 1974. 1974
Definition of teratogenesis and teratogen. pp. 25–7. Staples RE, et al.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North-Holland, 1975. QS 675 M592 1974. 1974
Critique of current methods for teratogenicity testing in animals and suggestions for their improvement. pp. 29–64. Wilson JG.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North-Holland, 1975. QS 675 M592 1974. 1974
The biology of the guinea pig. Toxicology and teratology. pp. 269–80. Hoar RM.
In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972-73.
Teratogenicity of adenine arabinoside (Ara–A). Gasset AR, et al. **Invest Ophthalmol** 15(7):556–7, Jul 76
Prenatal effects of elymoclavine adminstration and temperature stress. Witters WL, et al. **J Anim Sci** 41(6):1700–5, Dec 75
Follow-up studies of cortisone teratogenicity in CD1 strain mice. Loevy HT. **J Dent Res** 55(4):598–601, Jul–Aug 76
Developmental precocity in transferred mouse embryos influencing the teratogen response to salicylate. Marsk L, et al. **J Embryol Exp Morphol** 33(4):907–13, Jul 75
The teratogenic effects of hydrocortisone on palatal development in the hamster. Shah RM, et al.
J Embryol Exp Morphol 35(1):213–24, Feb 76
Polycystic disease of kidney, liver and pancreas; a possible patholgenesis. Mcgeoch JE, et al. **J Pathol** 119(4):221–8, Aug 76
Letter: Teratogenicity of anticoagulants. Roizen NJ, et al. **J Pediatr** 87(5):838–9, Nov 75
Letter: Ocular teratogens. Smithells RW. **J Pediatr** 89(1):160, Jul 76
Teratological evaluation of FD&C Red no. 2–a collaborative government –industry study. V. Combined findings and discussion. Holson JF Jr, et al.
J Toxicol Environ Health 1(5):875–85, May 76
Effect of food deprivation, phenobarbital, and SKF–525A on teratogenicity induced by 2–sec–butyl–4,6–dinitrophenol (dinoseb) and on disposition of [14C]dinoseb in mice. Preache MM, et al.
J Toxicol Environ Health 1(1):107–18, Sep 75
Evaluation of the teratogenic activity of hycanthone in mice and rabbits. Sieber SM, et al. **J Toxicol Environ Health** 1(2):309–22, Nov 75
Editorial: Another possible teratogen? Archer JD. **JAMA** 231(1):69, 6 Jan 75
Letter: Potato scab and teratogeny. Zimmerman N, et al. **Lancet** 2(7942):990–1, 15 Nov 75
Mechanism of the teratogenic effect of thalidomide. McCredie J. **Med Hypotheses** 2(2):63–9, Mar–Apr 76
Non–scientific influences on decisions concerning human chemical exposure – a personal commentary. Fraser FC. **Mutat Res** 33(1 Spec No):93, Nov 75
Some relations between teratogenesis and mutagenesis. Kalter H. **Mutat Res** 33(1 Spec No):29–36, Nov 75
Some epidemiological aspects of teratogen detection. Miller JR. **Mutat Res** 33(1 Spec No):45–54, Nov 75
Mutagenic and carcinogenic N–nitroso compounds: possible environmental hazards. Montesano R, et al. **Mutat Res** 32(3–4):179–228, 1976 (268 ref.)
Hydroxyurea. Timson J. **Mutat Res** 32(2):115–32, 1975 (132 ref.)
Deleterious effect of an anaesthetic on cultured mammalian embryos. Kaufman MH, et al. **Nature** 260(5554):782–4, 29 Apr 76
Toxicological and teratological studies of a rapeseed protein diet in rats and mice. Sharpe GL, et al. **Nutr Metab** 18(5–6):245–57, 1975
Teratogenesis. Harris JM 3d, et al.
Orthop Clin North Am 7(2):281–9, Apr 76
Behavioral teratogenesis: a critical evaluation. Coyle I, et al. **Pharmacol Biochem Behav** 4(2):191–200, Feb 76
Consequences of a nationwide ban on spray adhesives alleged to be human teratogens and mutagens. Hook EB, et al. **Science** 191(4227):566–7, 13 Feb 76
The teratogenic effects in rabbits of doxycycline, dissolved in polyvinylpyrrolidone, injected into the yolk sac. Claussen U, et al. **Teratology** 12(3):297–301, Dec 75
Teratogenicity studies with methotrexate, aminopterin, and acetylsalicylic acid in domestic cats. Khera KS.
Teratology 14(1):21–7, Aug 76
Studies of the development of congenital anomalies in rats. III. Effects of inhibition of mitochondrial energy systems on embryonic development. Mackler B, et al.
Teratology 12(3):291–6, Dec 75
Effects of trypan blue on the development of the garden lizard, Calotes versicolor. Mathur JK, et al. **Teratology** 14(1):99–109, Aug 76
Pattern of anomalies following single oral doses of ethylenethiourea to pregnant rats. Ruddick JA, et al.
Teratology 12(3):277–81, Dec 75
DES–transplacental teratogen–and possibly also carcinogen. Ulfelder H. **Teratology** 13(1):101–3, Feb 76
Induction of cleft palate in mice after ophthalmic administration of hydrocortisone. Ballard PD, et al.
Toxicol Appl Pharmacol 34(2):358–61, Nov 75
A study of teratological effects of intravenous, subcutaneous, and intragastric administration of delta9–tetrahydrocannabinol in mice. Joneja MG.
Toxicol Appl Pharmacol 36(1):151–62, Apr 76
A study of the potential teratogenic effects of pentachloronitrobenzene in rats. Jordan RL, et al.
Toxicol Appl Pharmacol 33(2):222–30, Aug 75
Delta9–Tetrahydrocannabinol–induced changes in prenatal growth and development of mice. Mantilla–Plata B, et al.
Toxicol Appl Pharmacol 33(2):333–40, Aug 75
Teratogenic activity of the antiepileptic drugs phenobarbital, phenytoin, and primidone in mice. Sullivan FM, et al.
Toxicol Appl Pharmacol 34(2):271–82, Nov 75
Reproduction and teratology studies with oncolytic agents in the rat and rabbit. II. 5–(3,3–dimethyl–1–triazeno)imidazole–4–carboxamide (DTIC). Thompson DJ, et al. **Toxicol Appl Pharmacol** 33(2):281–90, Aug 75
Teratogenicity studies on halogenated benzenes (pentachloro–, pentachloronitro– and hexabromo–) in rats. Khera KS, et al. **Toxicology** 5(1):117–22, Sep 75
Teratogenic and toxicological examination of 2,4,5–trichlorphenoxyacetic acid in developing chick embryos. Strange JR, et al. **Toxicology** 6(1):35–40, Jun 76
[Problems concerning the degree of a drug's cancerogenic and/or teratogenic effect. Metronidazole] Obel EB.
Ugeskr Laeger 138(13):807–8, 22 Mar 76 **(Dan)**
[Experimental methods for the detection of teratogens] Tuchmann–Duplessis H. **Biol Med (Paris)** 3(2):91–147, Nov 74 (85 ref.) **(Fre)**
[Plurality in the determinism of organophosphorus teratogenic effects (author's transl)] Meiniel R.
Experientia 32(7):920–2, 1976 (Eng. Abstr.) **(Fre)**
[Editorial: Teratogenic agents] Ferrier PE.
Helv Paediatr Acta 30(1):5–9, May 75 **(Fre)**
[Complications and dangers of psychodysleptics. Cytopharmacologic and teratologic aspects] pp. 321–45. Nosal G.
In: Radouco–Thomas S, ed. Pharmacologie, toxicologie, et abus des psychotomimétiques (hallucinogenes). Quebec, Les Presses de l'Université Laval, 1974. QV 109 L392p 1973. **(Fre)**
[Vulnerability of early postnatal differention processes of the retina and the teratogenic effect of cyclophosphamide (Endoxan)] Foerster H, et al. **Acta Anat (Basel)** 93(2):161–70, 1975 (Eng. Abstr.) **(Ger)**
[On the lacking teratogenic effect of the plasmaexpander hydroxyethyl starch in the rat and mouse (author's transl)] Ivankovic S, et al. **Anaesthesist** 24(5):244–5, May 75 (Eng. Abstr.) **(Ger)**
[The influencing of blastogenesis and embryogenesis in rats through aminoacetonitrile] Wendler D, et al. **Anat Anz** 139(1–2®760603–760610–2):115–29, 1976 (Eng. Abstr.) **(Ger)**
[The influence of the N–mustard derivative 'cytostasan' on pregnancy and fetal development in the rat] Wendler D, et al. **Anat Anz** 139(1–2®760603–760610–2):100–14, 1976 (Eng. Abstr.) **(Ger)**
[On a special form of extremity malformation in rats following administration of 6–mercaptopurine on day 12 of gestation (author's transl)] Asisi A, et al.
Arzneim Forsch 25(12):1924–6, 1975 (Eng. Abstr.) **(Ger)**
[On the method of injecting into the yolk–sac in teratological studies in rabbits (author's transl)] Claussen U.
Arzneim Forsch 25(9):1434–6, Sep 75 (Eng. Abstr.) **(Ger)**
[Teratogenic action of ethyl–nitrosourea in Göttingen miniature pigs (author's transl)] Graw J, et al.
Arzneim Forsch 25(10):1606–8, Oct 75 (Eng. Abstr.) **(Ger)**
[Investigations on the effect of the combination sulfamoxole/trimethoprim on fertility and fetal development in rats and rabbits (author's tranls)] Helm F, et al. **Arzneim Forsch** 26(42):643–51, 1976 (Eng. Abstr.) **(Ger)**
[Teratologic studies in rabbits and rats with the morphine derivative codeine (author's transl)] Lehmann H.
Arzneim Forsch 26(4):551–4, Apr 76 (Eng. Abstr.) **(Ger)**
[Teratogenicity and embryotoxicity of azaphtalimides] Fickentscher K, et al. **Pharmazie** 31(3):172–4, 1976 **(Ger)**
[Teratological study of talinolol (Cordanum, 02–115)] Wendler D, et al. **Pharmazie** 30(10):669–1, Oct 75 **(Ger)**
[Teratogenic and mutagenic studies with caffeine in the animal experiment] von Kreybig T, et al.
Z Ernaehrungswiss 15(1):64–70, Mar 76 (Eng. Abstr.) **(Ger)**
[Teratological studies of cefatrizine (S–640P) in mice and rats (author's trans)] Matsuzaki M, et al. **Jpn J Antibiot** 29(1):129–43, Jan 76 **(Jpn)**
[Teratological studies of cefatrizine (S–640P) in rabbits (author's transl)] Matsuzaki M, et al. **Jpn J Antibiot** 29(1):144–52, Jan 76 **(Jpn)**
[Teratological studies of fusaric acid–Ca in mice and rats (author's transl)] Matsuzaki M, et al. **Jpn J Antibiot** 29(5):543–51, May 76 **(Jpn)**
[Editorial: Drugs and abnormalities. Background and consequences of warnings] Naess K.
Tidsskr Nor Laegeforen 96(1):47–8, 10 Jan 76 **(Nor)**
[Drugs and the fetus] Rise A. **Tidsskr Nor Laegeforen** 96(1):41–2, 10 Jan 76 **(Nor)**
[Neuroleptics] Rise A. **Tidsskr Nor Laegeforen** 96(7):446–7, 10 Mar 76 **(Nor)**
[Relation between the teratogenic activity and chemical structure of the molecules of medicinal substances] Dyban AP, et al. **Vestn Akad Med Nauk SSSR** (12):78–88, 1975 (67 ref.) **(Rus)**

ADVERSE EFFECTS

Cholinomimetic teratogens: studies with chicken embryos. Landauer W. **Teratology** 12(2):125–45, Oct 75

ANALYSIS

Identification of carcinogenic, mutagenic and teratogenic substances in the environment. Fishbein L.
Environ Qual Saf 4:200–25, 1975

ANTAGONISTS & INHIBITORS

Limb development in mouse embryos: protection against teratogenic effects of 6–diazo–5–ox–L–norleucine (DON) in vivo and in vitro. Greene RM, et al.
J Embryol Exp Morphol 33(2):355–70, Apr 75
NAD precursors as antiteratogens against aminothiadiazole. Beaudoin AR. **Teratology** 13(1):95–9, Feb 76
Cholinomimetic teratogens. III. Interaction with amino acids known as neurotransmitters. Landauer W. **Teratology** 13(1):41–6, Feb 76

HISTORY

Developmental biology and the study of malformations. Hughes AF. **Biol Rev** 51(2):143–79, May 76 (305 ref.)

METABOLISM

Tissue localization of some teratogens at early and late gestation related to fetal effects. Dencker L.
Acta Pharmacol Toxicol [Suppl] (Kbh) 39(1):1–131, 1976

PHARMACODYNAMICS

Teratogenesis—toxicity in utero. Trottier RW Jr.
Am J Pharm 147(5):147–51, Sep–Oct 75
The effects of drugs on embryonic development. Netzloff ML. **Ann Clin Lab Sci** 6(4):332–41, Jul–Aug 76
Teratogenicity of cyproheptadine in pregnant rats. Weinstein D, et al. **Arch Int Pharmacodyn Ther** 215(2):345–9, Jun 75
Mercuric chloride uptake by eggs of the ricefish and resulting teratogenic effects. Heisinger JF, et al.
Bull Environ Contam Toxicol 14(6):665–73, Dec 75
Teratogenicity of the solanum alkaloid solasodine and of 'Kennebec' potato sprouts in hamsters. Keeler RF, et al.
Bull Environ Contam Toxicol 15(5):522–4, May 76
Teratogenic studies of fenitrothion on white leghorn chick embryos. Paul BS, et al. **Bull Environ Contam Toxicol** 15(2):223–9, Feb 76
Methods for detecting teratogenic agents in man. Shepard TH, et al. **Environ Health Perspect** 13:141–6, Feb 76
Embryotoxic and teratogenic effects of CTAB, a cationic surfactant, in the mouse. Isomaa B, et al.
Food Cosmet Toxicol 13(3):331–4, Jun 75
Teratogenic evaluation of lead compounds in mice and rats. Kennedy GL, et al. **Food Cosmet Toxicol** 13(6):629–32, Dec 75
Pharmacodynamics of placental transfer of methylmercury and induced teratology in mice. pp. 403–8. Olson FC, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.
Organ culture in teratology: closure of the palatal shelves as a model system. pp. 84–98. Saxén I, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.
Chemical structure and teratogenic mechanism of action. pp. 79–91. Zimmerman EF.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North–Holland, 1975. QS 675 M592 1974. 1974
Teratological evaluation of FD&C Red no. 2 –a collaborative government–industry study. II. FDA's study. Collins TF, et al. **J Toxicol Environ Health** 1(5):857–62, May 76
Teratological evaluation of FD&C Red No. 2–a collaborative government –industry study. IV. NCTR's study. Holson JF Jr, et al. **J Toxicol Environ Health** 1(5):867–74, May 76
Teratological evaluation of FD&C Red no. 2–a collaborative government –industry study. III. IBT's study. Keplinger ML, et al. **J Toxicol Environ Health** 1(5):863–6, May 76
Chemical induction of sperm abnromalities in mice. Wyrobek AJ, et al. **Proc Natl Acad Sci USA** 72(11):4425–9, Nov 75
Cholinomimetic teratogens. II. Interaction with inorganic ions. Landauer W. **Teratology** 12(3):271–6, Dec 75
Teratological and toxicological studies of alkaloidal and phenolic compounds from Solanum tuberosum L. Chaube S, et al. **Toxicol Appl Pharmacol** 36(2):227–37, May 76

The effects of pentachloronitrobenzene, hexachlorobenzene, and related compounds on fetal development. Courtney KD, et al. **Toxicol Appl Pharmacol** 35(2):239–56, Feb 76

Reproductive and teratologic studies with halothane. Kennedy GL Jr, et al. **Toxicol Appl Pharmacol** 35(3):467–74, Mar 76

Reproduction and teratological studies with 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) in the rat and rabbit. Thompson DJ, et al. **Toxicol Appl Pharmacol** 34(3):456–66, Dec 75

Teratologic evaluation of dermally applied zinc pyrithione on swine. Wedig JH, et al. **Toxicol Appl Pharmacol** 36(2):255–9, May 76

Proceedings: A preliminary investigation of the teratogenic action of chloroquine in the rat. Walker B, et al. **West Afr J Pharmacol Drug Res** 2(1):61P–62P, Dec 74

TOXICITY

The vulnerability of neuroblast during postnatal time. pp. 430–8. Lierse W.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Potential of direct application techniques for detection of teratogens. pp. 71–81. Staples RE.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Teratological evaluation of FD&C red no.2–a collaborative government–industry study. I Introduction, experimental materials, and procedures. Collins TF, et al. **J Toxicol Environ Health** 1(5):851–6, May 76

Effects of diltiazem hydrochloride on embryonic development: species differences in the susceptibility and stage specificity in mice, rats, and rabbits. Ariyuki F. **Okajimas Folia Anat Jpn** 52(2–3):103–17, Aug 75

TERATOID TUMOR

Sacrococcygeal dermoids and teratomas: historical review. Pantoja E, et al. **Am J Surg** 132(3):377–83, Sep 76

Teratoid tumors of the mediastinum. Adebonojo SA, et al. **Am Surg** 42(5):361–5, May 76

Malignant teratoma in the adult thyroid gland. O'Higgins N, et al. **Br J Clin Pract** 29(9):237–8, Sep 75

Can teratocarcinoma cells colonize the mouse embryo? PP. 51–8. Brinster RL.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Teratomas: definitions and terminology. pp. 13–4. Stevens LC, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Calcifying malignant struma of the testis. A case report. Pal AK, et al. **Indian J Cancer** 12(2):210–3, Jun 75

Teratomas in children. Rau JB, et al. **Indian J Pediatr** 42(331):231–4, Aug 75

Posterior mediastinal teratoma in an infant: a case report. Tuchinda M, et al. **J Med Assoc Thai** 58(8):437–41, Aug 75

Letter to the editor: Adult teratoma of the testis metastasizing as adult teratoma: case report and review of literature. Jewett MA, et al. **J Urol** 115(3):342, Mar 76

Germ cell tumors of the central nervous system: A case report and review of literature. Bobba LV, et al. **Mich Med** 74(32):703–6, Nov 75

Teratoma of the uterine cervix. Mihailovici MS, et al. **Morphol Embryol (Bucur)** 22(3):191–3, Jul–Sep 76 (Eng. Abstr.)

Fate of teratocarcinoma cells injected into early mouse embryos. Papaioannou VE, et al. **Nature** 258(5530):70–73, 6 Nov 75

Teratoma in the newborn (a review with case report). Chandrasoma PT. **Neurol India** 23(4):202–6, Dec 75

Totipotency and normal differentiation of single teratocarcinoma cells cloned by injection into blastocysts. Illmensee K, et al. **Proc Natl Acad Sci USA** 73(2):549–53, Feb 76

Pulmonary blastoma. Peacock MJ, et al. **Thorax** 31(2):197–204, Apr 76

Teratoma of the nasopharynx of the newborn. Mahataphongse VP, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 29(1):73–5, Spring 76

Testis tumors: review of 125 cases at the Cleveland Clinic. LeFevre RE, et al. **Urology** 6(5):588–93, Nov 75

Testicular tumor in children. Report of 4 cases. Osborn DE, et al. **Urology** 7(4):433–5, Apr 76

[Sacrococcygeal teratomas] Vos LJ, et al. **Ned Tijdschr Geneeskd** 120(7):269–73, 14 Feb 76 (Eng. Abstr.) **(Dut)**

[Mouse teratocarcinoma: isolation and characterization of two muscle cell lines (author's transl)] Boon T, et al. **Ann Microbiol (Paris)** 125B(1):13–28, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Anterior cervical teratoma (apropos of a case)] Akpo C, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):177–9, 1974 (Eng. Abstr.) **(Fre)**

[Retroperitoneal enteroid cyst] Patel JC, et al. **J Chir (Paris)** 109(4):457–64, Apr 75 (Eng. Abstr.) **(Fre)**

[Germinal tumors of the testis] Gaillard JA. **Nouv Presse Med** 5(4):203–6, 24 Jan 76 **(Fre)**

[Orbital teratoma] Wohlschlag M. **Ophthalmologica** 172(2–3):229–34, 1976 **(Fre)**

[Double abdominal teratoma] Prado WD. **Sem Hop Paris** 51(45):2747–9, 16 Nov 75 **(Fre)**

[Orcheoblastoma] Kaneti J, et al. **Harefuah** 89(8):372–5, 15 Oct 75 **(Heb)**

[Backache, fever, hepatosplenomegaly and anemia (following ovariectomy): neuroblastoma (originating from ovarian teratoma)] Hasegawa Y. **Jpn J Clin Med** Spec No:834–5, 1242–5, 10 Apr 75 **(Jpn)**

[Limbic neoplasm with an unusual histological aspect] Buiuc S, et al. **Rev Chir [Oftalmol]** 19(2):139–42, Apr–Jun 75 **(Rum)**

[Spinal teratoma] Dănăilă L, et al. **Rev Med Intern [Neurol Psihiatr]** 19(4):345–52, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Teratoma of the left orbit] Grishko NI. **Oftalmol Zh** 30(3):233–4, 1975 **(Rus)**

[Teratoma of the posterior mediastinum and retroperitoneal space] Malyshev IuI, et al. **Vestn Khir** 114(2):125, Feb 75 **(Rus)**

[Teratoma of the thyroid gland in newborn infant] Stepanov EA, et al. **Vestn Khir** 115(12):69, Dec 75 **(Rus)**

ANALYSIS

Microfluoremetric analysis of DNA content changes in murine teratocarcinoma. Swartzendruber DE, et al. **Cancer Res** 36(6):1894–9, Jun 76

BLOOD

Serum alpha-foetoprotein as a marker for endodermal sinus tumour (yolk sac tumour) or a vitelline component of 'teratocarcinoma'. Norgaard-Pedersen B, et al. **Acta Pathol Microbiol Scand [A]** 83(6):573–89, Nov 75

Yolk-sac carcinomas induced by murine sarcoma virus and producing alpha-fetoprotein. pp. 271–3. Hooghe R, et al.
In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.

Alpha fetoprotein in a patient with embryonal cell carcinoma of the testis. Schönfeld J, et al. **New Istanbul Contrib Clin Sci** 11(2):108–17, Jun 75

[Alpha fetoproteins] Noya M, et al. **Rev Clin Esp** 139(3):195–206, 15 Nov 75 (157 ref.) **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid hormone concentration in the evaluation of pituitary tumors. Jordan RM, et al. **Ann Intern Med** 85(1):49–55, Jul 76

COMPLICATIONS

Cancer of the undescended or maldescended testis. Batata MA, et al. **Am J Roentgenol** 126(2):302–12, Feb 76

Letter: Sacrococcygeal teratoma and 'non-immunological' hydrops fetalis. Kohler HG. **Br Med J** 2(6032):422–3, 14 Aug 76

Letter: Bilateral teratoma of testis in 2 brothers with 47,XXY Klinefelter's syndrome. Simpson JL, et al. **Clin Genet** 9(3):380–1, Mar 76

Teratoma of the neck in relation to a thyroglossal cyst. Talekar MS, et al. **Indian J Cancer** 12(4):449–51, Dec 75

Malignant teratoma arising within a lipomeningocele. Case report. Mickle, JP, et al. **J Neurosurg** 43(6):761–3, Dec 75

Mediastinal teratoma: A rare cause of severe respiratory distress in the newborn. Seibert JJ, et al. **J Pediatr Surg** 11(2):253–5, Apr 76

Intraperitoneal rupture of benign cystic ovarian teratoma. Waxman M, et al. **Obstet Gynecol** 48(1 Suppl):9S–13S, Jul 76

[Sacral teratoma – unusual cause of mechanical ileus in a newborn infant] Peychlová J, et al. **Rozhl Chir** 54(9):623–5, Sep 75 (Eng. Abstr.) **(Cze)**

[Paraneoplastic precocious puberty in a child. Mediastinal teratoma with chorionic gonadotropin secretion] Job JC, et al. **Arch Fr Pediatr** 32(5):471–7, May 75 (Eng. Abstr.) **(Fre)**

[Simultaneous occurrence of a malignent teratoma in the left testis and a seminoma in the right testis (author's transl)] Geroulanos S, et al. **Urologe [A]** 15(2):83–6, Mar 76 (Eng. Abstr.) **(Ger)**

[A case of so-called epignathus with complete cleft palate (author's transl)] Honjo I, et al. **J Otolaryngol Jpn** 78(12):1286–93, 20 Dec 75 (Eng. Abstr.) **(Jpn)**

[Neurogenic hypernatremia caused by a teratoma on the supraoptic region (author's transl)] Ito H, et al. **Neurol Surg (Tokyo)** 3(8):691–6, Aug 75 (Eng. Abstr.) **(Jpn)**

[Rare case of term pregnancy with coexisting ovarian teratomata] Cislo M, et al. **Ginekol Pol** 46(9):985–7, Sep 75 (Eng. Abstr.) **(Pol)**

CONGENITAL

Sacrococcygeal teratoma in the neonate. Sladowski CF, et al. **Int Surg** 61(3):175–7, Mar 76

DIAGNOSIS

Intrapericardial teratoma: a cause of cardiac tamponade in infancy. Torres-Aybar FG, et al. **Bol Asoc Med PR** 67(12):366–8, Dec 75

Primary suprasellar atypical teratoma. Camins MB, et al. **Brain** 97(3):447–56, Sep 74

Giant teratomas with benign glial abdominal seeding, mimicking diffuse abdominal carcinomatosis. Roscher AA, et al. **Int Surg** 60(9):461–5, Sep 75

Testicular tumor. Vongvises V. **J Med Assoc Thai** 58(12):632–5, Dec 75

Retroperitoneal teratoma: historical review. Pantoja E, et al. **J Urol** 115(5):520–3, May 76

Letter: Alpha-fetoprotein and testicular tumours. Höffken K, et al. **Lancet** 02(7987):687, 25 Sep 76

Testis tumor metastatic to lung: twenty-two-year survivor. Reed RR, et al. **Urology** 7(3):302–4, Mar 76

Antenatal diagnosis by means of ultrasound in the rare case of foetal parasitic tumor. Hodek B, et al. **Z Geburtshilfe Perinatol** 180(1):91–4, Feb 76

[Proceedings: Cerebral tumors of germinal origin] Juif JG, et al. **Pediatrie** 30(5):541, Jul–Aug 75 **(Fre)**

DRUG THERAPY

Bleomycin combination chemotherapy in the management of testicular neoplasia. Samuels ML, et al. **Cancer** 36(2):318–26, Aug 75

Advances in chemotherapy for gynecologic cancer. Smith JP, et al. **Cancer** 36(2):669–74, Aug 75

Single agent chemotherapy (actinomycin D) in the treatment of metastatic testicular carcinoma. Early KS, et al. **South Med J** 69(8):1017–21, Aug 76

Bleomycin in testicular teratomas. Brunner KW, et al. **Z Krebsforsch** 84(3):291–7, 25 Nov 75

Chemotherapy in stage II testicular tumours: preliminary communication. Höffken K, et al. **Z Krebsforsch** 86(1):103–8, 3 May 76

[cis-Diamino-dichloro-platinum (II) in the treatment of otherwise treatment-resistant malignant testicular teratoma (author's transl)] Osieka R, et al. **Dtsch Med Wochenschr** 101(6):191–5, 199, 6 Feb 76 (Eng. Abstr.) **(Ger)**

[New Chemotherapeutic possibilities in the management of metastasizing testicular teratomas] Seeber S, et al. **Verh Dtsch Ges Inn Med** 81:1626–7, 1975 **(Ger)**

[Effect of a cytostatic triple-drug-interval therapy on human germinal epithelium] Weissbach L, et al. **Z Hautkr** 50(7):299–304, 1 Apr 75 **(Ger)**

[Chemotherapy of patients with recurring malignant tumors of the ovaries] Kotova DG, et al. **Vopr Onkol** 21(4):19–23, 1975 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Sequential morphological study of teratomas derived from displaced yolk sac. Sobis H, et al. **Dev Biol** 45(2):276–90, Aug 75

Studies with teratoma cells in vitro. pp. 265–84. Evans MJ.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974. (45 ref.)

Pathogenesis of teratoid tumors of the ovary and testis. Mulligan RM. **Pathol Annu** 10:271–98, 1975 (57 ref.)

ENZYMOLOGY

Creatine kinase, myokinase, and acetylcholinesterase activities in muscle-forming primary cultures of mouse teratocarcinoma cells. Gearhart JD, et al. **Cell** 6(1):61–6, Sep 75

Alkaline phosphatase activity in embryonal carcinoma and its hybrids with neuroblastoma. pp. 271–87. Bernstine EG, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

ETIOLOGY

Anencephalus, Spina Bifida, twins, and teratoma. Rogers SC. **Br J Prev Soc Med** 30(1):26–8, Mar 76

Embryo-derived teratoma: a model system in developmental and tumor biology. pp. 243–64. Solter D, et al.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974. (79 ref.)

Teratomas from haploid and diploid parthenogentic mouse embryos. pp. 33–50. Graham CF, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Teratocarcinoma: introduction and perspectives. pp. 3–12. Pierce GB.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Control of teratocarcinogenesis. pp. 139–59. Solter D, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Letter: Origin of teratomas. Riley PA, et al. **Lancet** 1(7960):642–3, 20 Mar 76

FAMILIAL & GENETIC

A cytogenetic study of gonadoblastoma tissue in two cases. Philip J, et al. **Acta Pathol Microbiol Scand [A]** 83(5):559–67, Sep 75

Familial presacral teratomas. Ashcraft KW, et al.

Birth Defects 11(5):143–6, 1975

Letter: Testicular tumours in brothers-in-law. MacLaren RG. **Can Med Assoc J** 113(6):498, 20 Sep 75

Testicular neoplasm in siblings. Ghosh P, et al. **Urology** 7(2):212–3, Feb 76

Synchronous testicular tumors in identical twins. Levey S, et al. **Urology** 6(6):754–8, Dec 75

IMMUNOLOGY

The role of carcinoembryonic antigen (CEA) in colorectal cancer. Booth SN, et al. **Compr Ther** 1(4):49–56, Aug 75

Embryonic surface antigens: a 'quasi-endodermal' teratoma antigen. Artzt K, et al. **Dev Biol** 51(1):152–7, 1 Jul 76

Expression of teratoma-associated antigens on murine ova and early embryos. Identification of two early differentiation markers. Gooding LR, et al. **Dev Biol** 49(2):479–86, Apr 76

Mouse teratocarcinoma as a tool for the study of the mouse embryo. pp. 233–41. Jacob F.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974.

Expression of a cell surface antigen common to primitive mouse teratocarcinoma cells and cleavage embryos during embryogenesis and spermatogenesis. pp. 101–7. Babinet C, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Teratoma-defined and transplantation antigens in early mouse embryos. pp. 109–21. Edidin M, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Surface antigens of blastocyst-derived cell lines. pp. 123–36. Miller RA, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

The effect of intact and lysed leukocytes on murine tumor growth and host survival. Greco RS, et al.
J Surg Oncol 7(1):67–76, 1975

Naturally occurring cytotoxic tumour reactive antibodies directed against type C viral envelope antigens. Martin SE, et al. **Nature** 256(5517):498–9, 7 Aug 75

Absence of H-2 antigens capable of reacting with cytotoxic T cells on a teratoma line expressing a T/t locus antigen. Forman J, et al. **Proc Natl Acad Sci USA** 72(9):3661–5, Sep 75

Structural similarities between a product of the T/t-locus isolated from sperm and teratoma cells, and H-2 antigens, isolated from splenocytes. Vitetta ES, et al.
Proc Natl Acad Sci USA 72(8):3215–9, Aug 75

Enhancement of tumor growth in allogeneic mice following impairment of macrophage function. Isa AM, et al.
Transplantation 20(4):296–302, Oct 75

Lack of demonstrable H-2 antigens on the surface of teratocarcinoma 402AX of the mouse maintained in vivo. Isa AM. **Transplantation** 21(3):196–8, Mar 76

[Mouse teratocarcinoma: differentiation in cultures of a multipotential primitive cell line (author's transl)] Nicolas JF, et al. **Ann Microbiol (Paris)** 126(1):3–22, Jan 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Alpha-Fetoprotein in yolk sac tumor. Tsuchida Y, et al.
Ann NY Acad Sci 259:221–33, 22 Aug 75

Occurrence of alpha-1-fetoprotein in the mammary gland tissue of men with gynecomastia. Falser N, et al.
Beitr Pathol 157(4):412–8, May 76

Saccharides on teratocarcinoma cell plasma membranes. Their investigation with radioactively labelled lectins. Gachelin G, et al. **Biochim Biophys Acta** 436(4):825–32, 15 Jul 76

Neurochemical studies in a mouse teratoma with neuroepithelial differentiation. Presence of cyclic AMP, serotonin and enzymes of the serotonergic, adrenergic and cholinergic systems. Orenberg EK, et al. **Brain Res** 101(2):273–81, 16 Jan 76

Chondroitin sulfate synthesis by mouse embryonic, extraembryonic, and teratoma cells in vitro. Cantor J, et al. **Dev Biol** 50(2):367–77, Jun 76

Cellular distribution of AFP in mice during normal ontogenesis and in transplantable teratocarcinoma and hepatomas. pp. 217–29. Engelhardt NV, et al.
In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.

Chromatin proteins of mouse primitive teratocarcinoma cells: electrophoretic comparison with somatic tissues of the mouse. pp. 221–33. Jami J, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

MICROBIOLOGY

The response of murine teratocarcinoma cells to infection with DNA and RNA viruses. pp. 289–301. Lehman JM, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Susceptibility of teratocarcinoma cells to adenovirus type 2. Kelly F, et al. **Nature** 262(5567):409–11, 29 Jul 76

OCCURRENCE

[National statistics on mediastinal neoplasms. 1. Compilation of statistics on mediastinal neoplasms] Teramatsu T, et al. **J Jpn Assoc Thorac Surg** 24(3):264–9, Mar 76 **(Jpn)**

PATHOLOGY

Letter: Statistical analysis of cytophotometric DNA measurements demonstrated on malignant testicular teratoma. Lederer B, et al. **Acta Cytol (Baltimore)** 20(1):5–6, Jan–Feb 76

An autopsy case of H.C.G. secreting intracranial teratoma. Hirano T, et al. **Acta Pathol Jpn** 26(1):97–103, Jan 76

Animal model of human disease: teratoma and teratocarcinoma. Damjanov I, et al. **Am J Pathol** 83(1):241–4, Apr 76

An experimental mouse testicular teratoma as a model for neuroepithelial neoplasia and differentiation. II. Electron microscopy. Herman MM, et al. **Am J Pathol** 81(2):421–44, Nov 75

In vitro astrocytic differentiation from embryoid bodies of an experimental mouse testicular teratoma. VandenBerg SR, et al. **Am J Pathol** 83(1):197–212, Apr 76

Developing eye in an ovarian teratoma. Mercur L, et al.
Arch Ophthalmol 94(4):597–8, Apr 76

Intracerebral metastatic malignant teratoma in the region of the optic chiasm. Hübner G. **Beitr Pathol** 157(2):189–99, Apr 76

Intracisternal A-particles in transplantable murine teratomas. Spence AM, et al. **Beitr Pathol** 155(4):428–34, Aug 75

Occipital teratoma bearing digits and nails. Tahilyani ND, et al. **Br J Surg** 63(6):493, Jun 76

Features of prognostic significance in solid ovarian teratoma. Beilby JO, et al. **Cancer** 36(6):2147–54, Dec 75

Immature (malignant) teratoma of the ovary: a clinical and pathologic study of 58 cases. Norris HJ, et al. **Cancer** 37(5):2359–72, May 76

Metastatic teratocarcinoma following chemotherapy. Maturation to a mass pathologically indistinguishable from a mediastinal enteric cyst. Stechmiller B, et al. **Chest** 69(5):697–700, May 76

Simultaneous bilateral malignant testicular tumours. A case report. Goodwin DP. **Clin Oncol** 1(3):239–43, Sep 75

Yolk sac-derived rat teratomas are not of germ cell origin. Sobis H, et al. **Dev Biol** 51(2):320–3, 15 Jul 76

Benign solid teratoma of the sigmoid colon: report of a case. Palombini L, et al. **Dis Colon Rectum** 19(5):441–4, Jul–Aug 76

Benign solid teratoma of the fallopian tube with rupture into the rectum: report of a unique rectal tumor. Rakower SR, et al. **Dis Colon Rectum** 19(2):167–71, Mar 76

Adhesion to substrate as a developmental process in murine teratoma embryoid bodies. Jack R, et al. **Exp Cell Res** 96(1):180–8, Nov 75

Solid ovarian teratoma with peritoneal and abdominal wall implants, progressive in vivo maturation, and probable cure. Benjamin F, et al. **Gynecol Oncol** 3(4):308–13, Dec 75

Solid teratoma of the ovary. Di Zerega G, et al.
Gynecol Oncol 3(2):93–102, Jun 75

Teratocarcinoma: a model of stem cell differentiation. pp. 357–68. Lehman JM, et al.
In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.

Mutagenized clones of a pluripotent teratoma cell line: variants with decreased differentiation or tumour-formation ability. pp. 161–6. Boon T, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Ultrastructure of murine teratocarcinomas. pp. 209–20. Damjanov I, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

The differentiation of clonal teratocarcinoma cell cultures in vitro. pp. 237–50. Evans MJ, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

The in vitro differentiation of embryoid bodies produced by a transplantable teratoma of mice. pp. 251–70. Hall JD, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

The formation of embryoid bodies in vitro by homogeneous embryonal carcinoma cell cultures derived from isolated single cells. pp. 169–87. Martin GR, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Developmental and experimental potentialities of mouse teratocarcinoma cells from embryoid body cores. pp. 59–82. Mintz B, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Differentiation of teratoma cell line PCC4.azal in vitro. pp. 189–205. Sherman MI.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Experimental teratomas in rats. pp. 83–97. Skreb N, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Comparative development of normal and parthenogenetic mouse embryos, early testicular and ovarian teratomas, and embryoid bodies. 17–32. Stevens LC.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.

Orchioblastoma. Agarwal BM, et al. **Indian J Cancer** 12(4):396–9, Dec 75

Pulmonary blastoma (embryoma lung). A case report with review of literature. Patil SD, et al. **Indian J Cancer** 12(3):348–53, Sep 75

Endodermal sinus tumour of the ovary (a study of 27 cases). Shrikhande SS, et al. **Indian J Cancer** 12(2):151–7, Jun 75

Alternative explanations of the differing behaviour of ovarian and testicular teratomas. Erickson RP, et al. **Lancet** 1(7956):407–10, 21 Feb 76

Letter: Syncytiotrophoblasts in malignant testicular tumours. Heyderman E, et al. **Lancet** 2(7976):103, 10 Jul 76

Teratomas in childhood. Bale PM, et al. **Pathology** 7(3):209–18, Jul 75

Normal genetically mosaic mice produced from malignant teratocarcinoma cells. Mintz B, et al.
Proc Natl Acad Sci USA 72(9):3585–9, Sep 75

An intrapulmonary teratoma associated with thymic tissue. Day DW, et al. **Thorax** 30(5):582–7, Oct 75

Massive embryonal cell carcinoma of testes. Kademian MT, et al. **Urology** 7(4):398–9, Apr 76

Bilateral successive testicular cancer of different cell types. Levine MP. **Urology** 8(2):157–9, Aug 76

Ultrastructure of ovarian teratomas in LT mice. Damjanov I, et al. **Z Krebsforsch** 83(4):261–7, 8 Aug 75

[Odontogenesis, organogenic model using teratomas] David MM, et al. **C R Acad Sci [D] (Paris)** 280(23):2697–700, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Letter: Tumor of the endodermic sinuses of Teilum. Meaning] Gaillard J. **Nouv Presse Med** 4(40):2889(1), 22 Nov 75 **(Fre)**

[Scanning electron microscopy of the dental enamel from a dermoid teratoma] Reif WE. **Z Mikrosk Anat Forsch** 89(3):460–6, 1975 (Eng. Abstr.) **(Ger)**

[About a rare teratoma of the pineal region (author's transl)] Martin H, et al. **Zentralbl Allg Pathol** 120(1):14–20, 1976 (Eng. Abstr.) **(Ger)**

[Congenital neck teratoma] Kovács G.
Morphol Igazsagugyi Orv Sz 15(4):307–11, Oct 75 (Eng. Abstr.) **(Hun)**

[Congenital testicular embryonal carcinoma] Palmieri B, et al. **Minerva Pediatr** 27(37):2082–91, 24 Nov 75 (Eng. Abstr.) **(Ita)**

[Autopsy study of teratoma of the spinal cord] Kajita A, et al. **Jpn J Clin Med** 33(7):2417–9, 10 Jul 75 **(Jpn)**

[An unusual case of teratoid tumor of the floor of the mouth] Solov'ev MM, et al. **Stomatologiia (Mosk)** 55(2):96–7, Mar–Apr 76 **(Rus)**

[Ovarian teratoblastoma in a girl] Vorob'ev VV, et al.
Vopr Onkol 21(12):76–7, 1975 **(Rus)**

PHYSIOPATHOLOGY

Physiological activity in mediastinal teratomata. Sommerlad BC, et al. **Thorax** 30(5):510–5, Oct 75

RADIOGRAPHY

Lymphangiographic criteria of metastases. An evaluation of patients with malignant testicular teratoma. Göthlin J, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):321–7, May 76

Diagnosis of radiosensitive hypothalamic tumors with craniotomy: endocrine and neuroradiologic studies of intracranial atypical teratomas. Spiegel AM, et al.
Ann Intern Med 85(3):290–3, Sep 76

Benign cystic right ovarian teratoma. Bjelland JC, et al.
Ariz Med 32(8):638–9, Aug 75

Radiographic manifestations of teratoma. Pantoja E, et al.
NY State J Med 75(13):2353–61, Nov 75 (51 ref.)

[Rare case of an adult teratoma of the stomach (author's transl)] Olbert F, et al. **Radiol Clin (Basel)** 44(6):527–31, 1975 **(Ger)**

[Lymphography in testicular tumors (author's transl)] Keller H, et al. **Roentgenblaetter** 29(3):129–36, Mar 76 (Eng. Abstr.) **(Ger)**

[Lymphography and cavography in tumors of the testis] Us Iu, et al. **Med Radiol (Mosk)** 20(8):44–6, Aug 75 **(Rus)**

RADIOTHERAPY

Primary malignant germinal tumors of the mediastinum. A study of 24 cases. Cox JD. **Cancer** 36(3):1162–8, Sep 75

SURGERY

Vaginal surgical intervention for a sacro-coccygeal teratoma obstructing labor. Weiss DB, et al.
Acta Obstet Gynecol Scand 55(2):183–5, 1976

Sacrococcygeal teratomas. Analysis of forty-three cases. Izant RJ Jr, et al. **Am J Surg** 130(5):617–21, Nov 75 (38 ref.)

Ovarian Cancer. Barber HR. **CA** 25(5):292, Sep–Oct 75

Retroperitoneal teratoma: case report. Teri EM.

East Afr Med J 53(2):115–8, Feb 76

Malignant germ cell tumor of the testis: spontaneous regression of pulmonary metastases with 7-year survival. Honoré LH, et al. **J Urol** 116(3):382–4, Sep 76

Retroperitoneal lymphadenectomy as adjunctive therapy in selected cases of advanced testicular carcinoma. Johnson DE, et al. **J Urol** 116(1):66–8, Jul 76

Prognosis for pathologic stage I non–seminomatous germ cell tumors of the testis managed by retroperitoneal lymphadenectomy. Johnson DE, et al. **J Urol** 116(1):63–5, Jul 76

Intrapericardial teratoma. Yeoh CB, et al. **NY State J Med** 76(5):708–10, May 76

Teratomatous choristoma and its associated syndromes. Case report. Agris J, et al. **Plast Reconstr Surg** 58(2):232–8, Aug 76

Benign and malignant teratomas in children: analysis of 85 patients. Grosfeld JL, et al. **Surgery** 80(3):297–305, Sep 76

[Results of retroperitoneal lymph node removal in testicular teratocarcinoma] Schmucki O, et al. **Helv Chir Acta** 43(3):357–61, Jul 76 **(Ger)**

[Long–term results and planning of therapy of seminal tumors of the testis] Pizzocaro G, et al. **Tumori** 61(3):271–89, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Metastatic lung teratoma—a case report] Nakajima H, et al. **Jpn J Thorac Surg** 29(7):526–9, 1976 (Eng. Abstr.) **(Jpn)**

[Mediastinal teratomas in children] Judycki W. **Pol Przegl Chir** 47(9A):67–71, Sep 75 (Eng. Abstr.) **(Pol)**

[Intrapelvic sacrococcygeal tumors in children] Rólski M, et al. **Pol Przegl Chir** 47(9A):73–6, Sep 75 (Eng. Abstr.) **(Pol)**

[Anterior mediastinal teratoma in a 4–month–old infant] Kasprzak S, et al. **Wiad Lek** 28(15):1305–7, 1 Aug 75 **(Pol)**

[Removal of a teratoma of the posterior mediastinum with resection of a portion of the thoracic part of the aorta in a 3–year–old child] Lubenskii IuM, et al. **Vesta Khir** 115(10):89–90, OCT 75 **(Rus)**

[Surgical management of presacral sacrococcygeal teratomas, or with intrapelvic extension] Sariñana C, et al. **Bol Med Hosp Infant Mex** 33(2):373–83, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

THERAPY

Management of malignant testicular tumors in children. Ise T, et al. **Cancer** 37(3):1539–45, Mar 76

The treatment of embryonal carcinoma of the ovary. pp. 214–6. Smith JP.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

Primary tumors of the thorax in children. Tandon RK. **Indian J Chest Dis** 16(4):386–9, Oct 74

Non–seminomatous testis tumors: a plan of management based in 96 patients to improve survival in all stages by combine therapeutic modalities. Skinner DG. **J Urol** 115(1):65–9, Jan 76

Current management of childhood solid tumors. Grosfeld JL, et al. **Surg Clin North Am** 56(2):513–35, Apr 76

[Results of treatment for testicular tumors in children—especially on embryonal carcinoma (author's transl)] Kawai T, et al. **Jpn J Urol** 66(7):400–8, Jul 75 (Eng. Abstr.) **(Jpn)**

VETERINARY

Ovarian teratoma in a rhesus monkey. Scott WJ, et al. **J Med Primatol** 4(3):204–6, 1975

Metastasizing ovarian teratocarcinoma in dogs. A report of two cases and review of literature. Patnaik AK, et al. **J Small Anim Pract** 17(4):235–46, Apr 76

Ectopic feather follicles in a chicken teratoma or malformation. West JL. **Poult Sci** 54(5):1442–5, Sep 75

TERBIUM

Energy transfer between terbium (III) and cobalt (II) in thermolysin: a new class of metal—metal distance probes. Horrocks WD Jr, et al. **Proc Natl Acad Sci USA** 72(12):4764–8, Dec 75

ANALYSIS

A simple, one–step fluorometric method for determination of nanomolar concentrations of terbium. Barela TD, et al. **Anal Biochem** 71(2):351–7, Apr 76

Circularly polarized emission of terbium(III) substituted bovine cardiac troponin–C. Brittain HG, et al. **Biochem Biophys Res Commun** 68(3):1013–9, 9 Feb 76

METABOLISM

Terbium binding to ribosomes and ribosomal RNA. Barela TD, et al. **Biochemistry** 14(22):4887–92, 4 Nov 75

Binding of fluorescent lanthanides to rat liver mitochondrial membranes and calcium ion–binding proteins. Mikkelsen RB, et al. **Biochim Biophys Acta** 433(3):674–83, 21 May 76

TERBUTALINE

ADMINISTRATION & DOSAGE

Comparison of infused and inhaled terbutaline in patients with asthma. Thiringer G, et al. **Scand J Respir Dis** 57(1):17–24, 1976

Studies of new sympathomimetic beta–receptor stimulating drugs in asthmatic patients. III. A comparative trial of subcutaneous terbutaline and trimetoquinol. Da Costa JL, et al. **Singapore Med J** 16(2):143–6, Jun 75

[Comparison of oral terbutaline and aminophylline in asthmatic patients] Guillén JT, et al. **Alergia** 23(3):101–6, Jul 76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Evaluation of skeletal muscle tremor due to bronchodilator agents. Thiringer G, et al. **Scand J Respir Dis** 56(2):93–102, Aug 75

ANALOGS & DERIVATIVES

Bronchospasmolytic and cardiovascular effects in anaesthetized cats of ibuterol and terbutaline given intravenously and after inhalation: drug and prodrug compared. Andersson P. **Acta Pharmacol Toxicol (Kbh)** 39(2):225–31, Aug 76

Physiological disposition of ibuterol and terbutaline in the isolated perfused rat lung. Ryrfeldt A, et al. **Acta Pharmacol Toxicol (Kbh)** 39(1):39–45, Jul 76

The biliary excretion of 3H–mannitol and 3H–ibuterol in unanesthetized rats. Ryrfeldt A, et al. **Acta Pharmacol Toxicol (Kbh)** 39(1):33–8, Jul 76

Studies using KWD 2058, a derivative of terbutaline in isolated atrial and tracheal preparations from the guinea–pig. Bohmer K, et al. **Arch Int Pharmacodyn Ther** 221(1):32–9, May 76

Pharmacological studies of 1–(o–chlorophenyl)–2–tert.–butylaminoethanol (C–78), a new bonchodilator. Kubo S, et al. **Arzneim Forsch** 25(7):1028–37, Jul 75

Comparison between ibuterol hydrochloride and terbutaline in asthma. Arner B, et al. **Br Med J** 1(6001):72–4, 10 Jan 76

Letter: Ibuterol hydrochloride and terbutaline in asthma. Poulsen SS, et al. **Br Med J** 1(6013):835, 3 Apr 76

Letter: Letter to the editor. Poulsen SS, et al. **Scand J Respir Dis** 57(2):97–8, 1976

The physiological disposition of ibuterol, terbutaline and isoproterenol after endotracheal instillation to rats. Ryrfeldt A, et al. **Xenobiotica** 5(9):521–9, Sep 75

METABOLISM

Physiological disposition of ibuterol and terbutaline in the isolated perfused rat lung. Ryrfeldt A, et al. **Acta Pharmacol Toxicol (Kbh)** 39(1):39–45, Jul 76

The biliary excretion of 3H–inulin and 3H–terbutaline in the unanesthetized rat. Eriksson H, et al. **Acta Physiol Scand** 95(1):1–5, Sep 75

The relative bioavailability of terbutaline (Bricanyl) elixir and tablet formulations. Sitar DS, et al. **Curr Ther Res** 19(2):266–73, Feb 76

The physiological disposition of ibuterol, terbutaline and isoproterenol after endotracheal instillation to rats. Ryrfeldt A, et al. **Xenobiotica** 5(9):521–9, Sep 75

PHARMACODYNAMICS

Bronchospasmolytic and cardiovascular effects in anaesthetized cats of ibuterol and terbutaline given intravenously and after inhalation: drug and prodrug compared. Andersson P. **Acta Pharmacol Toxicol (Kbh)** 39(2):225–31, Aug 76

Mechanical and metabolic effects of beta–receptor stimulators, the C–terminal octapeptide of cholecystokinin, and prostaglandin E2 on the isolated, depolarized sphincter of Oddi. Andersson KE, et al. **Acta Physiol Scand** 96(4):495–9, Apr 76

Terbutaline inhibition of midtrimester uterine activity induced by prostaglandin F2alpha and hypertonic saline. Andersson KE, et al. **Br J Obstet Gynaecol** 82(9):745–9, Sep 75

Beta2–adrenergic stimulation of thyroid hormone secretion. Melander A, et al. **Endocrinology** 97(2):332–6, Aug 75

Metabolic control of phosphorylase conversion in muscle. Effect of fasting and refeeding on the response of rat diaphragm glycogen phosphorylase, cyclic AMP Dependent protein kinase, and phosphorylase b kinase to adrenergic stimulation. Hostmark AT, et al. **Horm Metab Res** 8(2):123–8, Mar 76

Effect of albuterol and terbutaline, synthetic beta adrenergic stimulants, on the cyclic 3',5'–adenosine monophosphate system in smooth muscle. Vulliemoz Y, et al. **J Pharmacol Exp Ther** 195(3):549–56, Dec 75

Effects of terbutaline on human myometrial activity and endometrial blood flow. Akerlund M, et al. **Obstet Gynecol** 47(5):529–35, May 76

Studies of new sympathomimetic beta–receptor stimulating drugs in asthmatic patients. IV Acomparative trial of subcutaneous terbutaline (Bricanyl) and salbutamol (Ventolin). Da Costa JL, et al. **Singapore Med J** 17(1):7–9, Mar 76

[Bronchodilator effect of terbutaline] Mecl A, et al. **Cas Lek Cesk** 114(41):1270–4, 10 Oct 75 (Eng. Abstr.) **(Cze)**

[Effect of isoprenaline and terbutaline on the Achilles reflexogram] Dry J, et al. **Therapie** 30(6):803–8, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[The influence of beta–adrenergic stimulation on the mucociliary system of the human lung (author's transl)] Konietzko N, et al. **Pneumonologie** 152(1–3):203–8, 26 Sep 75 (Eng. Abstr.) **(Ger)**

[Study of the ventilatory and cardiocirculatory effects of a new adrenergic beta–2–stimulant (terbutaline) in subjects affected by obstructive bronchial disease] Melillo G, et al. **Arch Monaldi** 30(1):53–61, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

The effect of terbutaline in exercise–induced asthma. Morse JL, et al. **Am Rev Respir Dis** 113(1):89–92, Jan 76

Inhaled and oral bronchodilator therapy in exercise induced asthma. Anderson SD, et al. **Aust NZ J Med** 5(6):544–50, Dec 75

Objective and subjective comparisons of terbutaline and rimiterol bronchodilator aerosols. Paterson IC, et al. **Br J Dis Chest** 69(0):267–72, Oct 75

Comparison between ibuterol hydrochloride and terbutaline in asthma. Arner B, et al. **Br Med J** 1(6001):72–4, 10 Jan 76

Letter: Ibuterol hydrochloride and terbutaline in asthma. Poulsen SS, et al. **Br Med J** 1(6013):835, 3 Apr 76

Evaluation of a new beta2 adrenergic receptor stimulant, terbutaline, in bronchospasm. III. Aerosol administration. Glass P, et al. **Curr Ther Res** 18(3):425–32, Sep 75

Clinical evaluation of terbutaline and glyceryl guaiacolate in chronic obstructive lung disease. Kokkola K, et al. **Curr Ther Res** 19(3):397–404, Mar 76

Oral terbutaline sulfate—amelioration of exercise–induced bronchospasm. Allegra J, et al. **J Clin Pharmacol** 16(7):367–70, Jul 76

A long–term study of low–dose aerosolized terbutaline sulfate. Trautlein J, et al. **J Clin Pharmacol** 16(7):361–6, Jul 76

Terbutaline for asthma. **Med Lett Drugs Ther** 17(20):81–2, 26 Sep 75

An account of the treatment of five chronic asthmatic patients. Kamburoff PL, et al. **Postgrad Med J** 52(606):205–8, Apr 76

Effects of practolol in combination with terbutaline in the treatment of hypertension and arrhythmias in asthmatic patients. Formgren H, et al. **Scand J Respir Dis** 56(4):217–22, 1975

The therapeutic value of oral long–term treatment with terbutaline (Bricanyl) in asthma. A follow–up study of its efficacy and side effects. Formgren H. **Scand J Respir Dis** 56(6):321–8, 1975

Letter: Letter to the editor. Poulsen SS, et al. **Scand J Respir Dis** 57(2):97–8, 1976

[Effects of a new bronchodilator agent terbutaline on the dysfunctional broncho–obstructive syndrome] Lauriello G, et al. **Arch Monaldi** 30(1):42–52, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Comparison between bronchodilator activity of terbutaline and orciprenaline in bronchial asthma] Marazzini L, et al. **Clin Ter** 73(4):353–61, 31 May 75 **(Ita)**

TERIZIDONE see under **OXAZOLES**

TERMINAL CARE

see related
PALLIATIVE TREATMENT

Of the family of the sick. Burch GE. **Am Heart J** 92(3):405, Sep 76

Hospice care for dying patients. Craven J, et al. **Am J Nurs** 75(10):1816–22, Oct 75

Dare to care for the dying. Ufema JK. **Am J Nurs** 76(1):88–90, Jan 76

The dying are the living. Wentzel KB. **Am J Nurs** 76(6):956–7, Jun 76

The occupational therapist and terminal illness: Learning to cope with death. Gammage SL, et al. **Am J Occup Ther** 30(5):294–9, May–Jun 76

A hospital play program: helping children with serious illness. Adams MA. **Am J Orthopsychiatry** 46(3):416–24, Jul 76

The Quinlan case and the mass media. Healey JM Jr. **Am J Public Health** 66(3):295–6, Mar 76

Psychological assistance for the dying patient and his family. Hackett TP. **Annu Rev Med** 27:371–8, 1976

Dr Strauss' last teaching session. Hollander W Jr, et al. **Arch Intern Med** 135(10):1391–2, Oct 75

Letter: An easy death—an uneasy argument. Smith SL. **Br Med J** 3(5979):372, 9 Aug 75

Diseases of the central nervous system. Relief of terminal pain. Twycross RG. **Br Med J** 4(5990):212–4, 25 Oct 75

Palliative care: it's the quality of life remaining that matters. Garner J. **Can Med Assoc J** 115(2):179–80, 17 Jul 76

Care of the terminally ill at home. Malkin S. **Can Med Assoc J** 115(2):129–30, 17 Jul 76

The problem of caring for the dying in a general hospital; the palliative care unit as a possible solution. Mount BM. **Can Med Assoc J** 115(2):119–21, 17 Jul 76

Terminal care: towards an ideal. Shephard DA. **Can Med Assoc J** 115(2):97–8, 100, 17 Jul 76

The chaplain's role in care for the dying: toward a new understanding. Swift JK. **Can Med Assoc J** 115(2):181–2,

185, 17 Jul 76
Caring for the untreated infant. McElroy C. **Can Nurse** 71(12):26–7, 30, Dec 75
A new era in European medical ethics. Blomquist C. **Hastings Cent Rep** 6(2):7–8, Apr 76
Living will does not resolve medical–ethical–legal dilemma. Monagle JF. **Hosp Prog** 57(5):76–9, May 76
Childhood, death, and human dignity: hypnotherapy for david. Gardner GG. **Int J Clin Exp Hypn** 24(2):122–39, Apr 76
Group discussion among the terminally ill. Franzino MA, et al. **Int J Group Psychother** 26(1):43–8, Jan 76
A dying patient: the question of euthanasia. Abramson R. **Int J Psychiatry Med** 6(3):431–54, 1975
Management and care of the dying patient. Cassem NH, et al. **Int J Psychiatry Med** 6(1–2):293–304, 1975 (28 ref.)
The role of a hospital–based psychosocial unit in terminal cancer illness and bereavement. Krant MJ, et al. **J Chronic Dis** 29(2):115–27, Feb 76
The use of psychotherapy with dying patients: an exploratory study. Zuehlke TE, et al. **J Clin Psychol** 31(4):729–32, Oct 75
The social potential of the patient: an alternative to the sick role. Crane D. **J Commun** 25(3):131–9, Summer 75
Family conference in the case of the cancer patient. Liebman A, et al. **J Fam Pract** 2(5):343–5, Oct 75
To die young, to die old management of terminal illness at age 20 and at age 85: case reports. Death and dying in a 20–year–old woman. Foster JR. **J Geriatr Psychiatry** 8(2):111–26, 1975
To die young, to die old management of terminal illness at age 20 and at age 85: case reports. Death and dying in an 85–year–old woman. Morris LL. **J Geriatr Psychiatry** 8(2):127–35, 1975
To die young, to die old management of terminal illness at age 20 and at age 85: case reports. Discussion. Myerson PG, et al. **J Geriatr Psychiatry** 8(2):137–57, 1975
Legislative proposals for death with dignity. Lescoe RJ. **J Leg Med** 3(8):34–5, Sep 75
Should the patient be allowed to die? Nicholson R. **J Med Ethics** 1(1):5–9, Apr 75
The use of narcotic analgesics in terminal illness. Twycross RG. **J Med Ethics** 1(1):10–7, Apr 75
Communicating with the dying. Wilson JM. **J Med Ethics** 1(1):18–22, Apr 75
St Christopher's Hospice, 1974. Care of the dying patient. Liegner LM. **JAMA** 234(10):1047–8, 8 Dec 75
Editorial: Narcotic analgesics in terminal cancer. **Lancet** 2(7937):694–5, 11 Oct 75
Letter: Terminal care. **Lancet** 2(7979):263–4, 31 Jul 76
Instruction on death and dying for the medical student. Bloch S. **Med Educ** 10(4):269–73, Jul 76
Teaching medical students how to care for the dying. Bloch S. **Med J Aust** 2(24):902–3, 13 Dec 75
The nurse in a cancer ward. Sainsbury MJ, et al. **Med J Aust** 2(24):911–3, 13 Dec 75
An assessment of the behavioral scientist's role with the dying patient and the family. Grady M. **Milit Med** 140(11):789–92, Nov 75
Personal directions for care at the end of life. Bok S. **N Engl J Med** 295(7):367–9, 12 Aug 76
Annual discourse — on caring for the patient with cancer. Dunphy JE. **N Engl J Med** 295(6):313–9, 5 Aug 76
Care of the dying child. Gyulay JE. **Nurs Clin North Am** 11(1):95–107, Mar 76
The child's developing concept of death: implications for nursing care of the terminally ill child. Jackson PL. **Nurs Forum** 14(2):204–15, 1975
Editorial: The hospice movement. **Nurs Times** 72(26):989, 1 Jul 76
Dying at home. Hockey L. **Nurs Times** 72(9):324–5, 4 Mar 76
Live thoughts on dying patients. Nelson J. **Nurs Times** 72(15):592–3, 15 Apr 76
Care of the dying—1. The problem of euthanasia. Saunders C. **Nurs Times** 72(26):1003–5, 1 Jul 76
Care of the dying. 3. Should a patient know ...? Saunders C. **Nurs Times** 72(28):1089–91, 15 Jul 76
Care of the dying. 7. The last achievement. Saunders C. **Nurs Times** 72(32):1247–9, 12 Aug 76
Care of the dying–4. Control of pain in terminal cancer. Saunders C. **Nurs Times** 72(29):1133–5, 22 Jul 76
Care of the dying. 2. The problem of euthanasia–2. Saunders C. **Nurs Times** 72(27):1049–51, 8 Jul 76
Care of the dying–6. The nursing of patients dying of cancer. Saunders C. **Nurs Times** 72(31):1203–5, 5 Aug 76
On deciding the care of severely handicapped or dying persons: with particular reference to infants. Duff RS, et al. **Pediatrics** 57(4):487–93, Apr 76
Similarities in patient response to chronic and terminal illness. Purtilo RB. **Phys Ther** 56(3):279–84, Mar 76
The doctor and the dying role. Siegler M, et al. **Practitioner** 216(1296):690–4, Jun 76
The terminally ill patient. Mathis JL. **Primary Care** 1(2):211–19, Jun 74
When medical technology fails. Trachtenberg S. **RI Med J** 58(12):504–5, 511, Dec 75
[Letter: Death in the hospital—alone!] Zeuthen K. **Ugeskr Laeger** 138(20):1239, 10 May 76 **(Dan)**
[The aged, the hospital and death] Berkman M, et al. **Nouv Presse Med** 5(5):279–82, 31 Jan 76 **(Fre)**
[Carcinochemotherapy in incurable cancer? (author's transl)] Perevodchikova NJ. **Langenbecks Arch Chir** 339:99–105, Nov 75 (Eng. Abstr.) **(Ger)**
[Discussion: Anonymous dying. Comments on F. Baecker: Med. Klin. 70(1975), 775] Theuer D, et al. **Med Klin** 71(2):68–9, 9 Jan 76 **(Ger)**
[Some psychological aspects in the treatment of the cancer patient (author's transl)] Arraztoa J. **Rev Med Chil** 103(7):494–7, Jul 75 (Eng. Abstr.) **(Spa)**
[Some personal reflections about 'terminal care nursing'] Biörck G. **Lakartidningen** 76(32):2624–7, 4 Aug 76 **(Swe)**
[Letter: Negligence in terminal care] Feigenberg L. **Lakartidningen** 72(49):4850–1, 3 Dec 75 **(Swe)**
[Care of the dying] Feigenberg L, et al. **Lakartidningen** 73(24):2253–8, 9 Jun 76 (Eng. Abstr.) **(Swe)**
[Policy declaration in the Council of Europe about the rights of the sick and dying] **Nord Med** 91(3):66, Mar 76 **(Swe)**
[Editorial: A warning signal to physicians?] Kosonen T. **Nord Med** 91(3):65–6, Mar 76 **(Swe)**

METHODS

[Mental problems associated with the treatment of patients with terminal renal disease. Part 3: correlative factors of cooperative behavior of terminal–renal–disease patients during therapy] Heinemann L, et al. **Psychiatr Neurol Med Psychol (Leipz)** 26(12):722–31, Dec 74 (Eng. Abstr.) **(Ger)**

STANDARDS

Meeting the three major needs of the dying patient. Schulz R. **Geriatrics** 31(6):132–7, Jun 76
Optimum care for hopelessly ill patients. A report of the Clinical Care Committee of the Massachusetts General Hospital. **N Engl J Med** 295(7):362–4, 12 Aug 76
Editorial: Terminating life support: out of the closet. Fried C. **N Engl J Med** 295(7):390–1, 12 Aug 76

TERNIDENS see under **STRONGYLOIDEA**

TERPENES

Calcium–binding to non–ionic lipids: crystal structure of a calcium chloride complex of geraniol. Cook WJ, et al. **Biochem Biophys Res Commun** 68(1):143–8, 12 Jan 76
Chemistry of tobacco constituents. Oxidation of alpha–ionone and the acid–catalyzed rearrangement of 5–keto–alpha–ionone. Davis DL, et al. **J Agric Food Chem** 24(1):187–9, Jan–Feb 76
Binding of retinol–binding protein obtained from human urine with vitamin A derivatives and terpenoids. Hase J, et al. **J Biochem (Tokyo)** 79(2):373–80, Feb 76
New arylterpenoid compounds with juvenile hormone activity against mosquitoes. Schaefer CH, et al. **J Econ Entomol** 69(1):119–24, Feb 76
Insect and mammalian pheromones. Wheeler JW. **Lloydia** 39(1):53–9, Jan–Feb 76 (65 ref.)
[Stevioside, an interesting natural sweetening agent] Seidemann J. **Nahrung** 20(6):675–9, 1976 (39 ref.) **(Ger)**
[Stereochemistry of the antibiotic hyperphorin] Bystrov NS, et al. **Dokl Akad Nauk SSSR** 226(2):338–41, 11 Jan 76 **(Rus)**

ADMINISTRATION & DOSAGE

Treatment of chronic gastric ulcer with gefarnate: a long–term controlled therapeutic trial. Truelove SC, et al. **Curr Med Res Opin** 4(3):218–22, 1976
[Clinical study of gefarnate–diazepam combination] Re C. **Clin Ter** 73(2):128–38, 30 Apr 75 **(Ita)**

ADVERSE EFFECTS

[Influence of polychlorpinene on the cholate forming and conjugating functions of the liver] Karbach IaI, et al. **Farmakol Toksikol** 38(4):488–90, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

On variation, inheritance and chemical interrelationships of monoterpenes in scots pine (Pinus silvestris L.). Hiltunen R. **Ann Acad Sci Fenn [Biol]** (208):1–54, 1976
Insect growth regulators: methoprene and Stauffer R–20458 in pupae of the stable fly from treated breeding medium. Wright JE, et al. **Bull Environ Contam Toxicol** 15(5):525–9, May 76
Polyprenols in Juniperus communis needles. Sasak W, et al. **FEBS Lett** 64(1):55–8, 15 Apr 76
Studies on monoterpene glucosides and related natural products. XXXI. Gas chromatography and gas chromatography–mass spectrometry of iridoid and secoiridoid glucosides. Inouye H, et al. **J Chromatogr** 118(2):201–16, 17 Mar 76
Constituents of peppers: IV. The hydrocarbons of pepper essential oil. Debrauwere J, et al. **J Chromatogr Sci** 14(6):296–8, Jun 76
Two new diterpenes from Stemodia maritima L. Hufford CD, et al. **J Pharm Sci** 65(5):778–80, May 76
Dihydroactinidiolide in the supracaudal scent gland secretion of the red fox. Albone ES. **Nature** 256(5518):575, 14 Aug 75
[Volatile terpenes in fungi (author's transl)] Sprecher E, et al. **Arch Pharm (Weinheim)** 308(11):843–51, Nov 75 (Eng. Abstr.) **(Ger)**
[Studies on the cultivation of Stevia rebaudiana Bertoni. Determination of stevioside. II. (author's transl)] Mitsuhashi H, et al. **J Pharm Soc Jpn** 95(12):1501–3, Dec 75 (Eng. Abstr.) **(Jpn)**
[Quantitative analysis of stevioside (author's transl)] Sakamoto I, et al. **J Pharm Soc Jpn** 95(12):1507–10, Dec 75 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Biochemistry of polyisoprenoid biosynthesis. Beytía ED, et al. **Annu Rev Biochem** 45:113–42, 1976 (248 ref.)
The in vivo incorporation of tritium from L[methyl–3H]–methionine into polyprenoids in peas. Caspi E, et al. **J Steroid Biochem** 6(8):1285–6, Aug 75

CHEMICAL SYNTHESIS

A chemical study of burley tobacco flavour (Nicotiana tabacum L.) VI. Identification and synthesis of four irregular terpenoids related to solanone, including a 'prenylsolanone'. Demole E, et al. **Helv Chim Acta** 58(6):1602–7, 24 Sep 75
Synthesis of bioactive compounds. A structure–activity study of aryl terpenes as juvenile hormone mimics. Nilles GP, et al. **J Agric Food Chem** 24(4):699–708, Jul–aug 76
Studies on terpenes. 4. Synthesis of optically active grandisol, the boll weevil pheromone. Hobbs PD, et al. **J Am Chem Soc** 98(15):4594–4600, 21 Jul 76
The synthesis and chemical properties of polyisoprenyl beta–D–mannopyranosyl phosphates. Warren CD, et al. **J Biol Chem** 250(20):8069–78, 25 Oct 75
Benzoxocin and benzoxonin derivatives, Novel groups of terpenophenols with central nervous system activity. A correction. Houry S, et al. **J Med Chem** 18(9):951–2, Sep 75
A facile synthesis of the cyclohexyl constituents of the boll weevil sex pheromone. Pelletier SW, et al. **J Org Chem** 41(6):1069–71, 19 Mar 76

ISOLATION & PURIFICATION

Tobacco Chemistry.29. (7S)–10–Oxo–4xi–methyl–7–isopropyl–5E–undecen–4–olid a New Thunbergan–type Nor–isoprenoid isolated from Greek Nicotiana tabacum L. Aasen AJ, et al. **Acta Chem Scand [B]** 29(6):677–81, 1975
Preparative separation of naturally occurring mixtures of polyprenols on hydroxyalkoxypropyl–Sephadex. Chojnacki T, et al. **Anal Biochem** 69(1):114–9, Nov 75
Separations of some steroids, triterpenes, glycosides, bitter principles, and related compounds. pp. 45–50. Burnett RD.

In: Dixon PF, et al., ed. High pressure liquid chromatography in clinical chemistry. London, Academic Press, 1976. QD 79.C454 H638 1975.

Pycnolide, a seco–germacradienolide from Liatris pycnostachya, and other antitumor constituents of Liatris species. Herz W, et al. **J Org Chem** 41(7):1248–53, 2 Apr 76
Monoterpenoid alkaloid from Vinca major. Chatterjee A, et al. **Planta Med** 28(2):109–11, Oct 75
Variation and inheritance of some monoterpenes in Pinus silvestris. Hiltunen R. **Planta Med** 28(3):315–23, Nov 75
Gas liquid chromatographic separation and identification of the constituents of caraway seed oil. I. The monoterpene hydrocarbons. Salveson A, et al. **Planta Med** 30(1):93–6, Aug 76
Isolation of ingenol from the irritant and cocarcinogenic latex of Euphorbia seguieriana. Upadhyay RR, et al. **Planta Med** 30(1):32–4, Aug 76
[Sugar bound regular monoterpenes, part I Thymol– and carvacrolglykosides in Thymus vulgaris (author's transl)] Skopp K, et al. **Planta Med** 29(3):208–15, May 76 (Eng. Abstr.) **(Ger)**

METABOLISM

The p–cymene pathway in Pseudomonas putida PL: isolation of a dihydrodiol accumulated by a mutant. Defrank JJ, et al. **Biochem Biophys Res Commun** 70(4):1129–35, 21 Jun 76
A glucose acceptor in plants with the properties of an alpha–saturated polyprenyl–monophosphate. Lezica RP, et al. **Biochem Biophys Res Commun** 66(3):980–7, 6 Oct 75
Fate of the juvenile hormone mimic 1–(4'–ethylphenoxy)–3,7–dimethyl–6,7–epoxy–trans–2octe (Stauffer R–20458) following oral and derman exposure to steers. Ivie GW, et al. **J Agric Food Chem** 24(2):222–7, Mar–Apr 76
Metabolism of (+)–limonene in rats. Regan JW, et al. **J Agric Food Chem** 24(2):377–80, Mar–Apr 76
Gene flow versus selection pressure and ancestral differentiation in the composition of species: analysis of population variation of Juniperus ashei Buch. using terpenoid data. Adams RP. **J Mol Evol** 5(3):177–85, 5 Aug 75
Monocarboxylic acids from oxidation of acyclic isoprenoid alkanes by Mycobacterium fortuitum. Cox RE, et al. **Lipids** 11(1):72–6, Jan 76
Selective production of cis– and trans–verbenol from (–)–and (+)–alpha by a bark beetle. Renwick JA, et al. **Science** 191(4223):199–201, 16 Jan 76

PHARMACODYNAMICS

Specificity of the antiviral agent calcium elenolate. Heinze JE, et al. **Antimicrob Agents Chemother** 8(4):421–5, Oct 75
Inactivation of myxoviruses by calcium elenolate. Renis HE.

Antimicrob Agents Chemother 8(2):194–9, Aug 75

Antioxidant and antitranspirant protection of apple foliage against ozone injury. Elfving DC, et al. **Bull Environ Contam Toxicol** 15(3):336–41, Mar 76

Insect growth regulator AI3–36206. Biological activity against Stomoxys calcitrans and Musca domestica and its environmental stability. Wright JE, et al. **J Econ Entomol** 69(1):79–82, Feb 76

[Effects of the Ozothin on the quality and quantity of gastric juice secretion] Lindner J. **ZFA (Stuttgart)** 52(19):1026–9, 10 Jul 76 **(Ger)**

THERAPEUTIC USE

A double blind trial of carbenoxolone and geranyl farnesyl acetate in gastric ulcer. Smith PM, et al. **Scand J Gastroenterol** 10(7):753–5, 1975

TERPHENYL COMPOUNDS

ANALYSIS

The structures of toxic metabolites of Aspergillus candidus. I. The compounds A and E, cytotoxic p-terphenyls. Takahashi C, et al. **Chem Pharm Bull (Tokyo)** 24(4):613–20, Apr 76

[Determination of triphenylphosphate in air] Druian EA. **Gig Sanit** (9):76–7, Sep 75 **(Rus)**

CHEMICAL SYNTHESIS

Nonclassical nicotine antagonists. Barfknecht CF, et al. **J Med Chem** 18(11):1161–4, Nov 75

PHARMACODYNAMICS

Control of snail hosts of bilharziasis in Egypt. 2. Effect of triphenyltin hydroxide (Du-Ter) on carbohydrate metabolism of the snails Biomphalaria alexandria and Bulinus tuncatus. Sharaf AA, et al. **Egypt J Bilharz** 2(1):37–47, 1975

[Study of the molluscocid properties of lead triphenylacetate] Floch HA, et al. **Bull Soc Pathol Exot** 68(3):315–8, May–Jun 75 **(Fre)**

TERRAMYCIN see **OXYTETRACYCLINE**

TERRITORIALITY

Scent-marking in wolves. Peters RP, et al. **Am Sci** 63(6):628–37, Nov–Dec 75

Blinding increases territorial aggression in male Syrian golden hamsters. Murphy MR. **Behav Biol** 17(1):139–41, May 76

Age of intruder and territorial-elicited aggression in male long-evans rats. Thor DH, et al. **Behav Biol** 17(2):237–41, Jun 76

Territoriality and scent marking by Centris males (Hymenoptera, anthophoridae) in Jamaica. Raw A. **Behaviour** 54(3–4):311–21, 1975

Aggressive communication by Larus glaucescens. III. Description of the displays related to territorial protection. Stout JF. **Behaviour** 55(3–4):181–208, 1975

Olfactory stimulation and olfactory bulb removal: effects on territorial aggression in male Syrian golden hamsters. Murphy MR. **Brain Res** 113(1):95–110, 20 AUG 76

Branding and aggression. Campbell WE. **Mod Vet Pract** 56(12):849–51, Dec 75

Technique for producing and measuring territorial aggression using laboratory mice. Thurmond JB. **Physiol Behav** 14(6):879–81, Jun 75

Influence of neonatal androgen on the display of territorial marking behavior in the gerbil. Turner JW Jr. **Physiol Behav** 15(3):265–70, Sep 75

Exposure to females as a variable in territorial aggression of the laboratory rat. Thor DH, et al. **Psychol Rep** 38(3 pt. 1):749–50, Jun 76

Intraspecific aggression in rats and dimensions of enclosure. Thor DH. **Psychol Rep** 38(3 Pt 2):1253–4, Jun 76

Differentiation by morphine of two types of aggressive behaviour in the convict cichlid (Cichlasoma nigrofasciatum). Avis HH, et al. **Psychopharmacologia** 43(3):287–8, 17 Sep 75

Response independent habituation of territorial aggression in the three-spined stickleback (gasterosteus aculeatus). Peeke HV, et al. **Z Tierpsychol** 40(1):53–8, Jan 76

[Relationships between territory and aggressive behavior in Periophthalmus sobrinus Eggert (Pisces, Periophthalmidae) in the laboratory and in natural surroundings] Brillet C. **Z Tierpsychol** (39):283–331, 1975 (Eng. Abstr.) **(Fre)**

[Modification of the effects of prior residence in xiphophorus (Pisces, Poeciliidae): the role of isolation and differences in size] Zayan RC. **Z Tierpsychol** 41(2):142–90, Jun 76 (Eng. Abstr.) **(Fre)**

[Method of studying the spatial distribution of organisms] Romanovskiĭ IuE, et al. **Zh Obshch Biol** 36(2):227–36, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

TEST ANXIETY QUESTIONNAIRE see under **PERSONALITY INVENTORY**

TEST ANXIETY SCALE see under **PERSONALITY INVENTORY**

TESTICULAR DISEASES

Letter: Testicular leukaemia and temperature. Van Eys J, et al. **Lancet** 2(7979):256–7, 31 Jul 76

[Torsion of the testis and spermatic cord in children] Apel' VL, et al. **Vestn Khir** 115(7):116–8, Jul 75 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Selective testicular lesions resulting from continuous prolonged intake of minimal amounts of ethionine. Ungar H, et al. **Isr J Med Sci** 11(9):867–76, Sep 75

COMPLICATIONS

Letter: Scrotal mass in a neonate: testicular abscess. Hendricks WM, et al. **Am J Dis Child** 129(11):1361–2, Nov 75

Hot flashes and sweats in men with testicular insufficiency. Feldman JM, et al. **Arch Intern Med** 136(5):606–8, May 76

[Letter: Testicular atrophy in chronic liver diseases] Bauer J. **Dtsch Med Wochenschr** 100(47):2465, 21 Nov 75 **(Ger)**

DIAGNOSIS

B-mode ultrasonic examination of the testes. Miskin M, et al. **J Clin Ultrasound** 2(4):307–11, Dec 74

Diagnostic value of 99mTc in scrotal scan. Mukerjee MG, et al. **Urology** 6(4):453–5, Oct 75

Disseminated nocardiosis presenting as testicular abscess. Strong DW, et al. **Urology** 7(1):57–9, Jan 76

[Role of the cytological study of puncture of the testis in the diagnosis of its diseases] Koriakina RF, et al. **Urol Nefrol (Mosk)** (4):47–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Actinomycosis of the urogenital organs] Kuril MF, et al. **Vrach Delo** (4):44–6, Apr 75 **(Rus)**

ETIOLOGY

Testicular involvement in the retroperitoneal fibrosis syndrome. Fraser I. **Br J Surg** 63(2):107–9, Feb 76

Testicular and epididymal involvement in leprosy patients, with special reference to gynecomastia. El-Shiemy S, et al. **Int J Dermatol** 15(1):52–8, Jan–Feb 76

[Phenomenon of hypertrophy of the testes after amputation of the lower incisors in rats] Babaeva AG, et al. **Biull Eksp Biol Med** 79(4):98–100, Apr 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Inherited congenital normofunctional testicular hyperplasia and mental deficiency. Cantú JM, et al. **Hum Genet** 33(1):23–33, 7 Jul 76

X-linked mental retardation associated with macro-orchidism. Turner G, et al. **J Med Genet** 12(4):367–71, Dec 75

IMMUNOLOGY

[Induction of autoaggressive processes in the human testis and epididymis] Lüders G. **Med Welt** 27(22):1086–9, 28 May 76 **(Ger)**

METABOLISM

Clinics in endocrinology and metabolism. Investigative procedures. Marshall JC. **Clin Endocrinol Metabol** 4(3):545–67, Nov 75 (66 ref.)

PATHOLOGY

On the morphology of the human Sertoli cells under normal conditions and in patients with impaired fertility. Schulze C, et al. **Andrologia** 8(2):167–78, 1976

Testicular microlithiasis with sterility. Schantz A, et al. **Fertil Steril** 27(7):801–5, Jul 76

Granulomatous orchitis and spermatic granuloma. Kisbenedek L, et al. **Int Urol Nephrol** 7(2):141–8, 1975

Cysts of the tunica albuginea. Report of 4 cases and review of the literature. Mancilla-Jimenez R, et al. **J Urol** 114(5):730–3, Nov 75

Malakoplakia of the testis. Bradley GE. **NZ Med J** 83(557):77–9, 11 Feb 76

PHYSIOPATHOLOGY

The HCG stimulation test in men with testicular disorders. de Kretser DM, et al. **Clin Endocrinol (Oxf)** 4(6):591–6, Nov 75

Proceedings: Abnormalities of the hypothalamic-pituitary-gonadal axis. Baird DT. **J Endocrinol** 66(2):13P–14P, Aug 75

[Some research prospects concerning dysfunctional gonadal pathology] Mondina R, et al. **Ann Ostet Ginecol Med Perinat** 96(3):158–64, May–Jun 75 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Suppression of sperm granulomas in vasectomized rats by local heating of the testis. Voglmayr JK. **Biol Reprod** 13(4):453–60, Nov 75

[Protective effect of some hormones (insulin, testosterone, human chorionic gonadotropins) on testicular damage in alloxan diabetes in rats] Scaffidi L, et al. **Minerva Med** 66(85):4586–91, 12 Dec 75 (Eng. Abstr.) **(Ita)**

VETERINARY

Morphological picture of testes of bulls infected with microorganisms of the genus Chlamydia. Boryczko Z, et al. **Bull Acad Pol Sci [Biol]** 23(8):565–9, 1975

TESTICULAR FEMINIZATION

[On a rare case of testicular feminization] Ferraro G, et al. **Acta Eur Fertil** 6(2):107–16, Jun 75 **(Eng, Ita)**

[The syndrome of testicular feminization. Diagnostic problems and th rapeutic aspects (apropos of 2 cases)] Diouf B, et al. **Bull Soc Med Afr Noire Lang Fr** 20(3):304–8, 1975 **(Fre)**

[Testes in the female inguinal hernia? (testicular feminization)] Weiss V. **Zentralbl Chir** 100(6):374–7, 1975 **(Ger)**

BLOOD

[Estrogen feedback in complete testicular feminization (author's transl)] Presl J, et al. **Cesk Gynekol** 41(2):127–30, Apr 76 (Eng. Abstr.) **(Cze)**

[Measure of the transcortin-binding capacity in the syndrome of male pseudohermaphroditism with testicular feminization] Tremblay RR, et al. **Union Med Can** 104(3):411–3, Mar 75 (Eng. Abstr.) **(Fre)**

[Endocrinological results in a patient with testicular feminization (karyotype 46, XY) with special reference to basal and HCG-stimulated serum testosterone and dihydrotestosterone concentrations] Tharandt L, et al. **Verh Dtsch Ges Inn Med** 81:1546–9, 1975 **(Ger)**

[Testosterone concentration and binding capacity of testosterone binding proteins in the blood of patients with testicular feminization] Oziębło L. **Endokrynol Pol** 27(2):167–74, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

[Surgical treatment of inguinal hernia in Morris' syndrome] Dokumov S, et al. **Khirurgiia (Sofiia)** 27(6):535–8, 1974 (Eng. Abstr.) **(Bul)**

DIAGNOSIS

Testicular feminization. Pelasseyed AA. **Acta Med Iran** 17(1–2):57–62, Aug 74

Testicular feminization syndrome: current clinical considerations. Glenn JF. **Urology** 7(6):569–77, Jun 76 (49 ref.)

[Proceedings: In-vivo and in-vitro studies of patients with testicular feminization] Schindler AE, et al. **Arch Gynaekol** 219(1–4):584, 18 Nov 75 **(Ger)**

[Rudimentary uterus in testicular feminization (author's transl)] Dapunt O, et al. **Wien Klin Wochenschr** 87(16):498–506, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Clinical and hormonological aspects of Morris' syndrome] Polleri A, et al. **Minerva Ginecol** 27(8):614–28, Aug 75 (Eng. Abstr.) **(Ita)**

[Diagnosis of testicular feminization syndrome in children] Volkova TN, et al. **Vopr Okhr Materin Det** 20(11):85–6, Nov 75 **(Rus)**

FAMILIAL & GENETIC

Expression of H–Y (male) antigen in phenotypically female Tfm/Y mice. Bennett D, et al. **Nature** 257(5523):236–8, 18 Sep 75

Androgen insensitivity in man: evidence for genetic heterogeneity. Amrhein JA, et al. **Proc Natl Acad Sci USA** 73(3):891–4, Mar 76

[A case of testicular feminization with the karyotype 47, XXY (author's transl)] Bartsch-Sandhoff M, et al. **Hum Genet** 31(1):59–65, 28 Jan 76 (Eng. Abstr.) **(Ger)**

METABOLISM

Regulation of gonadotropin response in testicular feminization syndrome. Nusynowitz ML, et al. **Am J Med Sci** 270(3):491–6, Nov–Dec 75

Studies of in vitro steroid metabolism by testis tissue from 'complete' and 'incomplete' forms of testicular feminization. Bell JB. **Clin Endocrinol (Oxf)** 4(4):343–56, Jul 1975

Androgen and estrogen receptors in brain cytosol from male, female, and testicular feminized (tfm/y hermaphrodite) mice. Attardi B, et al. **Endocrinology** 98(4):864–74, Apr 76

Cytosol androgen binding in submandibular gland and kidney of the normal mouse and the mouse with testicular feminization. Verhoeven G, et al. **Endocrinology** 99(1):79–92, Jul 76

Steroid metabolism in the gonads of a patient with testicular feminization. II. Metabolism of c19- and c18-steroids in vitro. Schindler AE. **Endokrinologie** 67(1):14–9, Mar 67

Steroid metabolism in the gonads of a patient with testicular feminization. I. Metabolism of cholesterol, pregnenolone, progesterone and dehydroepiandrosterone in vitro. Schindler AE. **Endokrinologie** 65(2):145–53, 1975

Testicular response to exogenous gonadotropins in the syndrome of feminizing testes. Turksoy RN, et al. **Fertil Steril** 27(6):670–6, Jun 76

Testicular feminization syndrome: a model of chemical information non-transfer. pp. 229–36. Northcutt RC, et al. **In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Male pseudohermaphroditism presumably due to target organ unresponsiveness to androgens. Deficient

5alpha-dihydrotestosterone binding in cultured skin fibroblasts. Kaufman M, et al. **J Clin Invest** 58(2):345–50, Aug 76

Genetic regulation of the androgen receptor—a study of testicular feminization in the mouse. Bardin CW, et al. **J Steroid Biochem** 6(3–4):515–20, Mar–Apr 75

LH and FSH releasing mechanism in the testicular feminization syndrome. Zárate A, et al. **J Steroid Biochem** 6(6):1043–6, Jun 75

Gonadotropin release in patients with androgen insensitivity. Testicular feminization syndrome. Addison WA, et al. **Obstet Gynecol** 47(3):331–6, Mar 76

[Sexually differentiated metabolism of testosterone in liver slices of mouse, and its alteration by a mutation in the X-chromosome that results in testicular feminization] Schriefers H, et al. **Hoppe Seylers Z Physiol Chem** 357(1):95–101, Jan 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOI OGY

[Case of the testicular feminization syndrome] Sueva G, et al. **Akush Ginekol (Sofiia)** 15(1):81–3, 1976 **(Bul)**

SURGERY

The testicular feminisation syndrome. Parameshwaran N. **Ceylon Med J** 20(2):108–17, Jun 75 (16 ref.)

A simplified surgical approach to the incomplete form of testicular feminization. Strafford JC, et al. **Obstet Gynecol** 48(2):244–5, AUG 76

TESTICULAR HORMONES

ANALYSIS

A model system for studying inhibin. Nandini SG, et al. **Endocrinology** 98(6):1460–5, Jun 76

BIOSYNTHESIS

Müllerian-inhibiting activity of calf fetal testes: relationship to testosterone and protein synthesis. Josso N, et al. **Biol Reprod** 13(2):163–7, Sep 75

Gonadotrophin binding and activation of testicular steroidogenesis. pp. 581–604. Dufau ML, et al. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

Regulation of the production of testicular steroids. pp 459–91. van der Molen HJ, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

PHARMACODYNAMICS

Evidence for inhibin-like activity in bovine follicular fluid. De Jong FH, et al. **Nature** 263(5572):71–2, 2 Sep 76

[The effect of the testicular mullerian-inhibiting hormone on ovarian development in the chick embryo] Stoll R, et al. **C R Soc Biol (Paris)** 169(4):927–30, 1975 (Eng. Abstr.) **(Fre)**

TESTICULAR NEOPLASMS

Reticulum-cell sarcoma with intracardiac metastases. Case with angiocardiographic improvement after chemotherapy. Conde CA, et al. **Am J Cardiol** 36(3):357–62, Sep 75

Plasmacytoma of the testis. Report of a case. Steinberg D. **Cancer** 36(4):1470–2, Oct 75

Testicular tumours. Peckham MJ, et al. **Clin Endocrinol Metabol** 4(3):665–92, Nov 75 (76 ref.)

The testicular mass: an approach to diagnosis and treatment. pp. 589–96. Fraley EE. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**

Calcifying malignant struma of the testis. A case report. Pal AK, et al. **Indian J Cancer** 12(2):210–3, Jun 75

Epidermoid cyst. Benign testicular tumor. Miller EV. **Int Surg** 60(9):487–8, Sep 75

Sertoli-cell tumor: report of a case. Lane RM. **J Am Coll Health Assoc** 24(2):88–91, Dec 75

Case report: seminoma testis with an unusual mode of dissemination. Tewfik HH, et al. **J Iowa Med Soc** 66(2):51–4, Feb 76

Smooth muscle tumors of the testicular adnexa. deLuise VP, et al. **J Urol** 115(6):685–8, Jun 76

Letter to the editor: Adult teratoma of the testis metastasizing as adult teratoma: case report and review of literature. Jewett MA, et al. **J Urol** 115(3):342, Mar 76

Yolk sac carcinoma. Brown JR, et al. **South Med J** 69(6):728–31, Jun 76

Adenomatoid tumors (mesothelioma) of testicular and paratesticular tissue. de Klerk DP, et al. **Urology** 6(5):635–41, Nov 75

Testis tumors: review of 125 cases at the Cleveland Clinic. LeFevre RE, et al. **Urology** 6(5):588–93, Nov 75

Testicular tumor in children. Report of 4 cases. Osborn DE, et al. **Urology** 7(4):433–5, Apr 76

Spermatocytic seminoma. Weitzner S. **Urology** 7(6):646–8, Jun 76

[Epidermoid cyst, a benign tumor of the testes. Concerning 2 cases (author's transl)] Colin G, et al. **J Urol Nephrol (Paris)** 81(10–11):769–73, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Testicular metastasis from a renal adenocarcinoma. Apropos of 2 recent cases] Nataf R, et al. **J Urol Nephrol (Paris)** 81(10–11):833–43, Oct–Nov 75 **(Fre)**

[Germinal tumors of the testis] Gaillard JA. **Nouv Presse Med** 5(4):203–6, 24 Jan 76 **(Fre)**

[Leydig cell testicular adenoma in children. Apropos of a case] David M, et al. **Pediatrie** 31(5):457–72, Aug 76 (Eng. Abstr.) **(Fre)**

[Occult testicular carcinomas] Geroulanos S, et al. **Z Urol Nephrol** 68(4):265–71, Apr 75 **(Ger)**

[Orcheoblastoma] Kaneti J, et al. **Harefuah** 89(8):372–5, 15 Oct 75 **(Heb)**

[Description of 5 cases of rhabdomyosarcoma of the testis] Zanoni F, et al. **Tumori** 61(3):255–9, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Study of 12 cases of non-Hodgkin's lymphoma of the testicle (author's transl)] Zanoni F, et al. **Tumori** 61(6):559–63, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Case of a benign mesothelioma of the testis] Atlasov IaP, et al. **Arkh Patol** 37(5):78–9, 1975 (79 ref.) (Eng. Abstr.) **(Rus)**

[Autoradiographic determination of the parameters of the mitotic cycle of tumors of human testis in tissue culture] Terent'eva TG, et al. **Biull Eksp Biol Med** 79(4):95–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Malignant testicular neoplasms in children] Múzquiz JL, et al. **Bol Med Hosp Infant Mex** 32(5):835–48, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

Microfluoremetric analysis of DNA content changes in murine teratocarcinoma. Swartzendruber DE, et al. **Cancer Res** 36(6):1894–9, Jun 76

BLOOD

Serum alpha-foetoprotein as a marker for endodermal sinus tumour (yolk sac tumour) or a vitelline component of 'teratocarcinoma'. Norgaard-Pedersen B, et al. **Acta Pathol Microbiol Scand [A]** 83(6):573–89, Nov 75

Association of endodermal sinus tumour, testicular teratoma and alpha1-fetoprotein. Gariépy G, et al. **Can Med Assoc J** 115(3):223–6, 7 Aug 76

Serum alpha-fetoprotein and beta-human chorionic gonadotropin levels in patients with non-seminomatous germ cell testicular cancer. Lange PH, et al. **Minn Med** 58(11):813–5, Nov 75

Alpha fetoprotein in a patient with embryonal cell carcinoma of the testis. Schönfeld J, et al. **New Istanbul Contrib Clin Sci** 11(2):108–17, Jun 75

Abnormal liver enzymes and human chorionic gonadotropin elevation in abdominal testicular seminoma. Hoard TD, et al. **Urology** 7(5):512–4, May 76

CLASSIFICATION

TNM classification of malignant tumours of the bladder, prostate, testis and kidney. Collins WE. **Can J Surg** 18(5):468–75, Sep 75

Comparison of histologic types of primary testicular germ cell tumors with their metastases: consequences for the WHO and the British Nomenclatures? Bär W, et al. **Virchows Arch [Pathol Anat]** 370(1):41–54, 5 Apr 76

[Clinico-morphological classification of testicular neoplasms] Twardosz W, et al. **Pol Przegl Chir** 47(9):1149–55, Sep 75 (21 ref.) (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Cancer of the undescended or maldescended testis. Batata MA, et al. **Am J Roentgenol** 126(2):302–12, Feb 76

A unique presentation of malignant tumours of the urogenital tract. Moharib NH. **Br J Urol** 47(5):578, Oct 75

The incidence of yolk sac tumor (endodermal sinus tumor) elements in germ cell tumors of the testis in adults. Talerman A. **Cancer** 36(1):211–5, Jul 75

Malignant germ cell tumor in situ in a cryptorchid testis. Waxman M. **Cancer** 38(3):1452–6, Sep 76

Letter: Bilateral teratoma of testis in 2 brothers with 47,XXY Klinefelter's syndrome. Simpson JL, et al. **Clin Genet** 9(3):380–1, Mar 76

Gynecomastia. Interstitial cell tumor of testis as etiologic factor. Rous SN, et al. **NY State J Med** 75(10):1752–4, Sep 75

Testicular tumour presenting as haematemesis. Lock MR. **Postgrad Med J** 51(602):857–9, Dec 75

Malignant gonadal tumour formation in intersexual states. Pigott HW. **Postgrad Med J** 51(594):252–55, Apr 75

Bilateral testicular seminoma in intra-abdominal testes. Baroudy AC. **Urology** 7(1):85–7, Jan 76

[Concomitant seminomas and dysembryomas of the ovary and the testis] Cabanne F. **Endokrynol Pol** 26(4):365–80, Jul–Aug 75 **(Fre)**

[Opening of the ureter into the seminal vesicle and cancer of the testis] Lange D. **J Urol Nephrol (Paris)** 81(7–8):602, Jul–Aug 75 **(Fre)**

[Simultaneous occurrence of a malignent teratoma in the left testis and a seminoma in the right testis (author's transl)] Geroulanos S, et al. **Urologe [A]** 15(2):83–6, Mar 76 (Eng. Abstr.) **(Ger)**

[Cryptorchism and testicular tumors in adulthood] Fischer D, et al. **Z Urol Nephrol** 68(5):373–4, May 75 **(Ger)**

[A case of Gardner's syndrome with bilateral epididymis tumors, nasal polyp, bone anomalies and mental deficiency (author's transl)] Shimizu M, et al. **J Jpn Soc Intern Med** 64(12):1384–90, 10 Dec 75 **(Jpn)**

DIAGNOSIS

Value of gallium scanning in seminoma of the testis. Paterson AH, et al. **Br Med J** 1(6018):1118–21, 8 May 76

Gallium-67 citrate scintiscanning in testicular neoplasia. Jackson FI, et al. **J Can Assoc Radiol** 27(2):84–8, Jun 76

Testicular tumor. Vongvises V. **J Med Assoc Thai** 58(12):632–5, Dec 75

Germinal malignancies of the testis: experience, management and prognosis. Lindsey CM, et al. **J Urol** 116(1):59–62, Jul 76

Letter: Alpha-fetoprotein and testicular tumours. Höffken K, et al. **Lancet** 02(7987):687, 25 Sep 76

Lindau's disease. Lister IS, et al. **Proc R Soc Med** 68(8):520–1, Aug 75

Diagnostic value of 99mTc in scrotal scan. Mukerjee MG, et al. **Urology** 6(4):453–5, Oct 75

Testis tumor metastatic to lung: twenty-two-year survivor. Reed RR, et al. **Urology** 7(3):302–4, Mar 76

[The diagnosis of testicular tumors] Bauer KM. **Med Welt** 26(24):1199–200, 13 Jun 75 **(Ger)**

[Selective scintigraphic lymphography of testis (author's transl)] Spaventi S, et al. **Radiol Diagn (Berl)** 15(1):111–4, 1974 (Eng. Abstr.) **(Ger)**

[Prognosis of paratesticular sarcoma: report on 3 cases] Margerger M Jr, et al. **Z Urol Nephrol** 68(7):473–8, Jul 75 **(Ger)**

[Significance of hormone-diagnosis in testicular tumors] Thiel U. **Z Urol Nephrol** 68(7):479–83, Jul 75 **(Ger)**

[Medical check-up for the early recognition of testicular tumors] Staehler G. **ZFA** 52(7):370–2, 10 Mar 76 **(Ger)**

[Role of the cytological study of puncture of the testis in the diagnosis of its diseases] Koriakina RF, et al. **Urol Nefrol (Mosk)** (4):47–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Bleomycin combination chemotherapy in the management of testicular neoplasia. Samuels ML, et al. **Cancer** 36(2):318–26, Aug 75

Chemotherapy of germ cell tumors of the testis. I. Induction of remissions with vinblastine, actinomycin D, and bleomycin. Wittes RE, et al. **Cancer** 37(2):637–45, Feb 76

Continuous intravenous bleomycin (NSC-125066) therapy with vinblastine (NSC-49842) in stage III testicular neoplasia. Samuels ML, et al. **Cancer Chemother Rep** 59(3):563–70, May–Jun 75

Bleomycin combination chemotherapy programs in testicular cancer. pp. 483–92. Samuels ML, et al. **In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.**

The valve of chemotherapy in the treatment of testicular dysembryoplastic tumors. Pommatau E, et al. **J Surg Oncol** 8(3):211–5, 1976

Case report of embryonal rhabdomyosarcoma of the testis with an 8-year survival. Jungling MJ, et al. **J Urol** 114(2):313–5, Aug 75

Single agent chemotherapy (actinomycin D) in the treatment of metastatic testicular carcinoma. Early KS, et al. **South Med J** 69(8):1017–21, Aug 76

Bleomycin in testicular teratomas. Brunner KW, et al. **Z Krebsforsch** 84(3):291–7, 25 Nov 75

Chemotherapy in stage II testicular tumours: preliminary communication. Höffken K, et al. **Z Krebsforsch** 86(1):103–8, 3 May 76

[cis-Diamino-dichloro-platinum (II) in the treatment of otherwise treatment-resistant malignant testicular teratoma (author's transl)] Osieka R, et al. **Dtsch Med Wochenschr** 101(6):191–5, 199, 6 Feb 76 (Eng. Abstr.) **(Ger)**

[Cytostatic therapy of tumors under conditions of partial synchronisation with particular reference to malignant tumors of the testicle (author's transl)] Körner F, et al. **Munch Med Wochenschr** 117(34):1345–8, 22 Aug 75 (Eng. Abstr.) **(Ger)**

[Actinomycin-D therapy in testicular cancer (author's transl)] Höffken K, et al. **Urologe [A]** 15(2):61–6, Mar 76 (Eng. Abstr.) **(Ger)**

[New Chemotherapeutic possibilities in the management of metastasizing testicular teratomas] Seeber S, et al. **Verh Dtsch Ges Inn Med** 81:1626–7, 1975 **(Ger)**

[Effect of a cytostatic triple-drug-interval therapy on human germinal epithelium] Weissbach L, et al. **Z Hautkr** 50(7):299–304, 1 Apr 75 **(Ger)**

[Treatment of advanced carcinoma of the testis (author's transl)] Arraztoa J, et al. **Rev Med Chil** 103(7):484–90, Jul 75 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Pathogenesis of teratoid tumors of the ovary and testis. Mulligan RM. **Pathol Annu** 10:271–98, 1975 (57 ref.)

ENZYMOLOGY

[Serum enzymes in Hodgkin's disease, breast carcinoma and testicular tumors] Pfeiffer R, et al. **Verh Dtsch Ges Inn Med** 81:1606–8, 1975 **(Ger)**

ETIOLOGY

Cryptorchidism, hernia, and cancer of the testis. Morrison AS. **J Natl Cancer Inst** 56(4):731–3, Apr 76

Letter: Origin of teratomas. Riley PA, et al. **Lancet**

1(7960):642–3, 20 Mar 76
Letter: Testis tumor and unilateral cryptorchidism. Szalay GC. **Urology** 6(3):397, Sep 75

FAMILIAL & GENETIC

A cytogenetic study of gonadoblastoma tissue in two cases. Philip J, et al. **Acta Pathol Microbiol Scand [A]** 83(5):559–67, Sep 75
Malignant testicular lymphoma in brothers. Gallagher BL, et al. **Br J Urol** 48(3):210, Jun 76
Letter: Testicular tumours in brothers-in-law. MacLaren RG. **Can Med Assoc J** 113(6):498, 20 Sep 75
Familial bilateral papillary cystadenoma of the epididymis: report of three cases in siblings. Tsuda H, et al. **Cancer** 37(4):1831–9, Apr 76
Testicular seminoma: a case report of 2 brothers with seminoma and a review of the literature of testicular malignancies occurring in closely related family members. Kademian MT, et al. **J Urol** 116(3):380–1, Sep 76
Testicular neoplasm in siblings. Ghosh P, et al. **Urology** 7(2):212–3, Feb 76
Synchronous testicular tumors in identical twins. Levey S, et al. **Urology** 6(6):754–8, Dec 75
[Cytogenetic characteristics of the growth of Brown–Pearce carcinoma in rabbits] Tiniakov GG, et al. **Tsitol Genet** 10(2):144–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immune evaluation with skin testing. A study of testicular, prostatic, and bladder neoplasms. Schellhammer PF, et al. **Cancer** 38(1):149–56, Jul 76
The effect of intact and lysed leukocytes on murine tumor growth and host survival. Greco RS, et al. **J Surg Oncol** 7(1):67–76, 1975
Enhancement of tumor growth in allogeneic mice following impairment of macrophage function. Isa AM, et al. **Transplantation** 20(4):296–302, Oct 75
[Immunological studies on mouse testicular tumor. Humoral antibody response against testicular interstitial cell tumor in tumor-bearing mice (author's transl)] Osato K, et al. **Jpn J Urol** 66(10):683–8, Oct 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Occurrence of alpha-1-fetoprotein in the mammary gland tissue of men with gynecomastia. Falser N, et al. **Beitr Pathol** 157(4):412–8, May 76
Neurochemical studies in a mouse teratoma with neuroepithelial differentiation. Presence of cyclic AMP, serotonin and enzymes of the serotonergic, adrenergic and cholinergic systems. Orenberg EK, et al. **Brain Res** 101(2):273–81, 16 Jan 76
Alpha fetoprotein determinations in germ cell tumors of testis. Bracken RB, et al. **Urology** 6(3):382–4, Sep 75

OCCURRENCE

Racial and occupational variations in cancer of the testis: San Francisco, 1956–65. Mustacchi P, et al. **J Natl Cancer Inst** 56(4):717–20, Apr 76
Three primary cancers in different organs. Holmes FF, et al. **Oncology** 32(2):53–7, 1975
[Testicular tumors in children] Modrzejewska B, et al. **Pol Przegl Chir** 48(2 A):239–45, Feb 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Extragonadal endodermal sinus tumours. Report of a case. Bergljung L, et al. **Acta Chir Scand** 141(7):688–91, 1975
Letter: Statistical analysis of cytophotometric DNA measurements demonstrated on malignant testicular teratoma. Lederer B, et al. **Acta Cytol (Baltimore)** 20(1):5–6, Jan–Feb 76
An experimental mouse testicular teratoma as a model for neuroepithelial neoplasia and differentiation. II. Electron microscopy. Herman MM, et al. **Am J Pathol** 81(2):421–44, Nov 75
In vitro astrocytic differentiation from embryoid bodies of an experimental mouse testicular teratoma. VandenBerg SR, et al. **Am J Pathol** 83(1):197–212, Apr 76
Radiation therapy for testicular tumors metastasizing to the lungs. Lo TC, et al. **Am J Roentgenol** 126(3):475–80, Mar 76
On the morphology of the human Sertoli cells under normal conditions and in patients with impaired fertility. Schulze C, et al. **Andrologia** 8(2):167–78, 1976
A case of bilateral cystadenoma of the epididymides presenting as infertility. Crisp JC, et al. **Br J Urol** 47(6):682, Dec 75
Malignant interstitial cell tumor of the testis: a problem in endocrine onocology. Ober WB, et al. **Bull NY Acad Med** 52(5):561–83, Jun 76
Malignant mesothelioma of the tunica vaginalis propria testis in a patient with asbestos exposure. A case report. Fligiel Z, et al. **Cancer** 37(3):1478–84, Mar 76
Gonadal and extragonadal yolk sac carcinomas: a clinicopathologic study of 14 cases. Roth LM, et al. **Cancer** 37(2):812–20, Feb 76
Primary reticulum cell sarcoma of testis in a 12-year-old. Weitzner S, et al. **Cancer** 37(2):935–8, Feb 76
Hyperplasia of the parathyroids and the pituitary in rats with experimental leydigiomas and inhibitory effect of several steroids. Petrea I, et al. **Cancer Res** 36(10):3748–60, Oct 76
Metastatic teratocarcinoma following chemotherapy. Maturation to a mass pathologically indistinguishable from a mediastinal enteric cyst. Stechmiller B, et al. **Chest** 69(5):697–700, May 76
Simultaneous bilateral malignant testicular tumours. A case report. Goodwin DP. **Clin Oncol** 1(3):239–43, Sep 75
The in vitro differentiation of embryoid bodies produced by a transplantable teratoma of mice. pp. 251–70. Hall JD, et al.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.
Comparative development of normal and parthenogenetic mouse embryos, early testicular and ovarian teratomas, and embryoid bodies. 17–32. Stevens LC.
IN: Sherman MI, Solter D, ed. Teratomas and Differentiation. New York, Academic Press, 1975. Qz 310 T315 1975.
Orchioblastoma. Agarwal BM, et al. **Indian J Cancer** 12(4):396–9, Dec 75
Benign papillary tumour of rete testis. Gupta RK. **Indian J Cancer** 11(4):480–1, Dec 74
Malignant lymphoma of the testis. Tawil E. **J Can Assoc Radiol** 26(4):231–4, Dec 75
Late recurrence of testicular tumor (choriocarcinoma). Waldbaum RS, et al. **J Urol** 116(2):261–2, Aug 76
Testicular adenocarcinoma of infancy. Nagi AH, et al. **JPMA** 25(11):304–6, Nov 75
Testicular adenocarcinoma of infancy. Nagi AH, et al. **JPMA** 25(11):304–6, Nov 75
Alternative explanations of the differing behaviour of ovarian and testicular teratomas. Erickson RP, et al. **Lancet** 1(7956):407–10, 21 Feb 76
Letter: Syncytiotrophoblasts in malignant testicular tumours. Heyderman E, et al. **Lancet** 2(7976):103, 10 Jul 76
Seminoma metastatic to the jaws. Report of a case. Lainson PA, et al. **Oral Surg** 40(3):404–8, Sep 75
Massive embryonal cell carcinoma of testes. Kademian MT, et al. **Urology** 7(4):398–9, Apr 76
Bilateral successive testicular cancer of different cell types. Levine MP. **Urology** 8(2):157–9, Aug 76
Benign fibrous paratesticular tumors. Polsky MS, et al. **Urology** 8(2):174–6, Aug 76
A carcinoid occurring in the testis. Wurster K, et al. **Virchows Arch [Pathol Anat]** 370(2):185–92, 3 May 76
Ultrastructure of primary lymphosarcoma of testis. Laitio MT, et al. **Z Krebsforsch** 84(2):189–92, 27 Oct 75
[Interstitial tumors of the testis] Damjanov I, et al. **Lijec Vjesn** 96(5):296–9, Mar 74 (Eng. Abstr.) **(Cro)**
[Unusual testicular tumor: epidermoid cyst] Schick E, et al. **Union Med Can** 104(2):256–8, Feb 75 (Eng. Abstr.) **(Fre)**
[Structural changes of the basement tubule membrane in the so-called Sertoli cell syndrome (author's transl)] Lüders G. **Arch Dermatol Res** 255(2):193–202, 21 Apr 76 **(Ger)**
[The clinical significance of extratesticular originating tumors (author's transl)] Rahlf G, et al. **Urologe [A]** 15(2):87–90, Mar 76 (Eng. Abstr.) **(Ger)**
[Testicular carcinoid and its relationship to the APUD-system] Wurster K, et al. **Verh Dtsch Ges Pathol** 59:558, 1975 **(Ger)**
[The pathology of testicular neoplasms] Bahramann E. **Z Urol Nephrol** 69(02):91–7, Feb 76 **(Ger)**
[Significance of histological diagnosis in the treatment of testicular tumors] Fischer D, et al. **Z Urol Nephrol** 68(7):465–72, Jul 75 **(Ger)**
[The testicular endodermal sinus tumor in the adult] Schubert J, et al. **Z Urol Nephrol** 69(02):99–102, Feb 76 **(Ger)**
[Interstital-cell tumor. Case report and ultrastructure (author's transl)] Fladerer H, et al. **Zentralbl Allg Pathol** 118(6):510–8, 1974 (Eng. Abstr.) **(Ger)**
[Adenomatoid tumors of the epididymis] Bolis GB. **Lav Ist Anat Istol Patol Perugia** 35(2):57–63, 1975 (Eng. Abstr.) **(Ita)**
[Unusual observation of a paratesticular ganglionenroma in childhood] Ceroni V, et al. **Pathologica** 67(967–968):245–9, May–Jun 75 (Eng. Abstr.) **(Ita)**
[Cytological diagnosis of malignant testicular neoplasms] Tkhoa NT. **Lab Delo** (10):587–8, 1975 **(Rus)**

PHYSIOPATHOLOGY

Leydig cell tumor in identical twin. Turner WR, et al. **Urology** 7(2):194–7, Feb 76

RADIOGRAPHY

Lymphangiographic criteria of metastases. An evaluation of patients with malignant testicular teratoma. Göthlin J, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):321–7, May 76
Lymphography as a guide to prognosis in malignant testicular tumours. Fuchs WA, et al. **Acta Radiol ®Diagn/bd/(Stockh)** 16(3):305–12, May 75
[Reliability of lymphography in testis tumors. Report by the commission on testis tumors] Blom JM, et al. **J Belge Radiol** 58(6):439–41, Nov–Dec 75 **(Dut)**
[Lymphography of malignant testicular tumours 2nd communication: relevance determination of metastatic criteria by comparing metastatic and non-metastatic lumbar lymph-nodes (author's transl)] Lüning M, et al. **Radiol Diagn (Berl)** 16(2):255–63, 1975 (Eng. Abstr.) **(Ger)**
[Lymphography in testicular tumors (author's transl)] Keller H, et al. **Roentgenblaetter** 29(3):129–36, Mar 76 (Eng. Abstr.) **(Ger)**
[Radiologic diagnosis of secondaries of tumors of the testicle (author's transl)] Koischwitz D, et al. **Roentgenblaetter** 28(7):311–20, Jul 75 (Eng. Abstr.) **(Ger)**
[Significance of radiologic examinations for the determination of the extent of malignant testicular tumors] Kuhn E, et al. **Strahlentherapie** 150(5):456–67, Nov 75 (Eng. Abstr.) **(Ger)**
[Lymphography and cavography in tumors of the testis] Us Iu, et al. **Med Radiol (Mosk)** 20(8):44–6, Aug 75 **(Rus)**

RADIOTHERAPY

Problems in management of primary bilateral germ cell testicular tumors: report of 3 cases and review of literature. Morris SA, et al. **J Urol** 115(5):566–8, May 76
Large-dose bleomycin therapy and pulmonary toxicity. A possible role of prior radiotherapy. Samuels ML, et al. **JAMA** 235(11):1117–20, 15 Mar 76
Early and late effects of irradiation for seminoma testis on the number of blood lymphocytes and their B and T subpopulations. Heier HE, et al. **Lymphology** 8(3):69–74, Sep 75
Radiation therapy in the treatment of leukemic infiltrates of the testes. Steinfeld AD. **Radiology** 120(3):681–2, Sep 76
[Results of radiotherapy of malignant testicular neoplasms] Hackl A, et al. **Strahlentherapie** 152(2):103–13, Aug 76 (Eng. Abstr.) **(Ger)**

SECRETION

Hypercalcemia and neoplasia. Biologic, biochemical, and ultrastructural studies of a hypercalcemia-producing Leydig cell tumor of the rat. Rice BF, et al. **Lab Invest** 33(4):428–39, Oct 75

SURGERY

Re-exploration for retroperitoneal lymph node metastases from testis tumors. Comisarow RH, et al. **J Urol** 115(5):569–71, May 76
Malignant germ cell tumor of the testis: spontaneous regression of pulmonary metastases with 7-year survival. Honoré LH, et al. **J Urol** 116(3):382–4, Sep 76
Prognosis for pathologic stage I non-seminomatous germ cell tumors of the testis managed by retroperitoneal lymphadenectomy. Johnson DE, et al. **J Urol** 116(1):63–5, Jul 76
Retroperitoneal lymphadenectomy as adjunctive therapy in selected cases of advanced testicular carcinoma. Johnson DE, et al. **J Urol** 116(1):66–8, Jul 76
Sexual function following high retroperitoneal lymphadenectomy. Kedia KR, et al. **J Urol** 114(2):237–9, Aug 75
[Results of retroperitoneal lymph node removal in testicular teratocarcinoma] Schmucki O, et al. **Helv Chir Acta** 43(3):357–61, Jul 76 **(Ger)**
[Congenital testicular embryonal carcinoma] Palmieri B, et al. **Minerva Pediatr** 27(37):2082–91, 24 Nov 75 (Eng. Abstr.) **(Ita)**
[Long-term results and planning of therapy of seminal tumors of the testis] Pizzocaro G, et al. **Tumori** 61(3):271–89, May–Jun 75 (Eng. Abstr.) **(Ita)**
[Testicular cavernous lymphangioma in a 13-year-old boy] Malewska H, et al. **Pol Przegl Chir** 48(5A):55–6, 1976 (Eng. Abstr.) **(Pol)**
[Treatment of malignant testicular tumors] Strzyżowski J. **Pol Przegl Chir** 48(2 A):235–8, Feb 76 (Eng. Abstr.) **(Pol)**

THERAPY

Management of testicular carcinoma. Mobley TL, et al. **Ariz Med** 33(1):33–6, Jan 76
Management of malignant testicular tumors in children. Ise T, et al. **Cancer** 37(3):1539–45, Mar 76
Combination radical surgery and multiple sequential chemotherapy for the treatment of advanced carcinoma of the testis (stage III). Merrin C, et al. **Cancer** 37(1):20–9, Jan 76
Prolonged survival in disseminated seminoma treated to aplasia by wide field X--radiotherapy and phenylalanine mustine with autologous bone marrow cell transfusion cover. Humble JG, et al. **Clin Oncol** 1(3):235–8, Sep 75
Non-seminomatous testis tumors: a plan of management based in 96 patients to improve survival in all stages by combine therapeutic modalities. Skinner DG. **J Urol** 115(1):65–9, Jan 76
Sexual function and fecundity after treatment for testicular tumors. Bracken RB, et al. **Urology** 7(1):35–8, Jan 76
[The actual state of malign scrotal tumor therapy (author's transl)] Nagel R. **Praxis** 64(48):1543–9, 2 Dec 75 (53 ref.) (Eng. Abstr.) **(Ger)**
[Results of treatment for testicular tumors in children--especially on embryonal carcinoma (author's transl)] Kawai T, et al. **Jpn J Urol** 66(7):400–8, Jul 75 (Eng. Abstr.) **(Jpn)**

VETERINARY

Testicular neoplasia in an intersex dog. Kelly DF, et al. **J Small Anim Pract** 17(4):247–53, Apr 76
Sertoli cell tumours associated with feminization, prostatitis and squamous metaplasia of the renal tubular epithelium in a dog. Lindberg R, et al. **J Small Anim Pract** 17(7):451–8, Jul 76
[Bone-marrow damage due to estrogen in dogs with

testicular neoplasms] Kasbohm C, et al. **Tieraerztl Prax** 3(2):225–9, 1975 **(Ger)**
[Testicular neoplasms in the dog from the clinical viewpoint] Kasbohm Chr. **Tieraerztl Prax** 2(4):435–44, 1974 **(Ger)**

TESTICULAR TORSION see **SPERMATIC CORD TORSION**

TESTIS

see related
CASTRATION

Effect of a spermatogonial chalone on the growing rat testis. Clermont Y, et al. **Cell Tissue Kinet** 9(1):99–104, Jan 76
The extraperitoneal approach to the lymph drainage of the lower limb and testes. Gordon JA, et al.
Cent Afr J Med 21(9):192–5, Sep 75
Long-term effect of vasectomy on the biochemical composition of testes and sex accessory organs of the Indian desert gerbil, Meriones hurrianae Jerdon. Lohiya NK, et al. **Endokrinologie** 65(1):16–21, Feb 75
Lead equivalence of male gonad shields. Church WW, et al. **Health Phys** 30(2):229–31, Feb 76
[Histologic and immunologic study of the testis after ligation of the vas deferens in dogs] Lansac J, et al.
J Gynecol Obstet Biol Reprod (Paris) 5(1):5–14, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[Protection of gonads in radiography of the pelvis (author's transl)] Correll R, et al. **Roentgenblaetter** 29(3):137–42, Mar 76 (Eng. Abstr.) **(Ger)**
[Scintigraphy of the testes] Gleizer IuI.
Urol Nefrol (Mosk) (6):45–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Familial congenital anorchia. Hall JG, et al. **Birth Defects** 11(4):115–9, 1975
Triorchidism with normal spermatogenesis: an unusual cause for failure of vasectomy. Hakami M, et al. **Br J Surg** 62(8):633, Aug 75
Splenic–gonadal fusion. Pendse AK, et al. **Br J Surg** 62(8):624–8, Aug 75
Prune belly syndrome. A study of ten cases in Nigerian children with common and uncommon manifestations. Adeyokunnu AA, et al. **East Afr Med J** 52(8):438–49, Aug 75
Fetal testicular homografting for bilateral congenital anorchism. Hanache K. **Fertil Steril** 26(8):775–80, Aug 75
Serum LH and FSH response in four-hour infusions of luteinizing hormone-releasing hormone in normal men, Sertoli cell only syndrome, and Klinefelter's syndrome. de Kretser DM, et al. **J Clin Endocrinol Metab** 41(5):876–86, Nov 75
Splenogonadal fusion–a rare congenital anomaly demonstrated by 99Tc-sulfur colloid imaging: case report. Guarin U, et al. **J Nucl Med** 16(10):922–4, Oct 75
Letter: Probable XX male with hidden testes. Lazarus GM, et al. **J Pediatr** 87(3):493–4, Sep 75
Letter: Probable XX male with hidden testes. Lazarus GM, et al. **J Pediatr** 87(3):493–4, Sep 75
Endocrine studies in Sertoli–cell–only syndrome. Ishida H, et al. **J Urol** 116(1):56–8, Jul 76
Renal transplantation in prune belly syndrome. Shenasky JH 2d, et al. **J Urol** 115(1):112–3, Jan 76
The vanishing testis syndrome: indications for conservative therapy. Tosi SE, et al. **J Urol** 115(6):758–9, Jun 76
Prune belly syndrome at the age of 37. Case report. Asplund J, et al. **Scand J Urol Nephrol** 9(3):297–300, 1975
Dysplasia of the testis and epididymis. Lingårdh G, et al. **Scand J Urol Nephrol** 9(1):1–4, 1975
Reproductive tract lesions in male mice exposed prenatally to diethylstilbestrol. McLachlan JA, et al. **Science** 190(4218):991–2, 5 Dec 75
Splenic–gonadal fusion in the horse. Noakes DE, et al.
Vet Rec 98(19):382–3, 8 May 76
[Studies of the frequency of the nonobliterated peritoneal process based on cadaveric data] Karaivanov M.
Khirurgiia (Sofiia) 28(3):263–7, 1975 (Eng. Abstr.) **(Bul)**
[Rare case of polyorchidism] Ruskov S, et al.
Khirurgiia (Sofiia) 29(2):169–71, 1976 **(Bul)**
[Testicular pathology and adult man height (author's transl)] Raboch J. **Cas Lek Cesk** 114(33):1016–9, 15 Aug 75 (Eng. Abstr.) **(Cze)**
[Evaluation of gonadotropic and gonadal secretions in primary abnormalities of the gonads and male pseudohermaphrodism before and after the age of puberty] Job JC, et al. **Arch Fr Pediatr** 33(4):371–86, Apr 76 (Eng. Abstr.) **(Fre)**
[Current views on the therapy of abnormal location of the testis] Arlt B, et al. **Med Welt** 27(32):1506–8, 6 Aug 76 **(Ger)**
[Right-sided malformation of the testis and epididymis in a guinea pig] Fabian G. **Zentralbl Veterinaermed [A]** 23(2):174–6, Mar 76 **(Ger)**
[The vanishing testis syndrome. Considerations on a case] Vailati G, et al. **Minerva Med** 67(21):1382–5, 30 Apr 76 (Eng. Abstr.) **(Ita)**
[Congenital absence of the abdominal muscle (prune belly syndrome)] Prodanović Z, et al. **Med Pregl** 29(1–2):57–60, 1976 (Eng. Abstr.) **(Ser)**

ANALYSIS

Some characteristics of rete testis fluid from rabbits. Cooper TG, et al. **Andrologia** 8(2):87–94, 1976
Kinetic investigation of unfolding and partial refolding of a crab satellite (dA–dT)n. Hamori E, et al.
Biochemistry 14(16):3618–25, 12 Aug 75
A comparative study of the glycolipids of human, bird and fish testes and of human sperm. Levine M, et al.
Biochim Biophys Acta 441(1):134–45, 20 Jul 76
Deoxyribonucleic acid of Cancer pagurus. IV. Elution behaviour on hydroxyapatite chromatographic column. Londos–Gagliardi D, et al. **Biochimie** 57(11–12):1275–9, Nov–Dec 75
Studies on the nature of extracellular components of rat seminiferous tubular wall. I. Isolation and chemical characterization of basement membrane. Denduchis B, et al. **Biol Reprod** 13(3):274–81, Oct 75
Anti–Müllerian hormone: estimation of molecular weight by gel filtration. Picard JY, et al. **Biomedicine [Express]** 25(4):147–50, Jun 76
Low levels of non–histone chromosomal proteins in trout testis chromatin. Candido EP, et al. **FEBS Lett** 61(2):260–2, 15 Jan 76
Diurnal alteration of glycogen & its metabolite enzymes in rat testis. Sheth AR, et al. **Indian J Exp Biol** 13(5):422–4, Sep 75
Isolation and characterization of a ganglioside containing fucose from boar testis. Suzuki A, et al.
J Biochem (Tokyo) 78(5):947–54, Nov 75
Glycolipids of the fish testis. Ueno K, et al.
J Biochem (Tokyo) 77(6):1223–32, Jun 75
A cysteine–containing H2B–like histone found in mature mammalian testis. Shires A, et al. **J Biol Chem** 251(13):4155–8, 10 Jul 76
Proceedings: Bioassay of inhibin–like activity in rete testis fluid and its partial purification. Davies RV, et al.
J Endocrinol 68(3):26P, Mar 76
Presence in normal human testes of a chorionic–gonadotropin–like substance distinct from human luteinizing hormone. Braunstein GD, et al.
N Engl J Med 293(26):1339–43, 25 Dec 75
New histones found in mature mammalian testes. Shires A, et al. **Proc Natl Acad Sci USA** 72(7):2714–8, Jul 75
[Testicular and plasma androgens in newborn, immature, adult and aging mice] Berger M, et al.
Arch Int Physiol Biochim 83(2):239–53, May 75 **(Fre)**
[Plasma and testicular androgens during aging in guinea pigs] Rigaudière N. **C R Soc Biol (Paris)** 168(10–11–12):1319–23, 1974 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Postnatal study on the histology and histochemistry of ductuli efferentes testis in buffalo (Bubalus bubalis) from birth to one and a half years. Goyal HO, et al.
Acta Anat (Basel) 93(3):458–63, 1975
On the relation between testes size and sperm reserves in the one–humped camel (camelus dromedarius). Elwisby AB, et al. **Beitr Trop Landwirtsch Veterinaermed** 13(4):391–8, 1975
Long–term effects of vasectomy on the pituitary–gonadal system of rat and mouse. Lohiya NK, et al.
Endokrinologie 67(2):152–9, Jun 76
Vasectomy and vasovasostomy. I. Timing of histologic changes in immature and mature dog testis after vasectomy. Urry RL, et al. **Fertil Steril** 27(8):937–44, Aug 76
Ovulation rate of lines of mice selected for testis weight. Mafizul Islam AB, et al. **Genet Res** 27(1):23–32, Feb 76
Seasonal variation in the structure & function of testis & thumb pad in the frog Rana tigrina (Daud.). Saidapur SK, et al. **Indian J Exp Biol** 13(5):432–8, Sep 75
Stable daily light regimens as inductive factors of endogenous testicular cycles in the European starling, Sturnus vulgaris. Schwab RG, et al. **Int J Biometeorol** 19(4):219–31, Dec 75
Proceedings: Evaluation of genitalia and gonads before puberty. Laron Z, et al. **Isr J Med Sci** 12(1):81, Jan 76
Heritability of testicular size and consistency in Holstein bulls. Coulter GH, et al. **J Anim Sci** 43(1):9–12, Jul 76
Clinical and endocrinologic characterization of a patients with the syndrome of incomplete testicular feminization. Madden JD, et al. **J Clin Endocrinol Metab** 41(4):751–60, Oct 75
Relationship of testicular weight to age and scrotal circumference of Holstein bulls. Coulter GH, et al.
J Dairy Sci 59(4):730–2, Apr 76
Seasonal variations in the response of the testis and LH levels to hemicastration of adult rams. Hochereau–de Reviers MT, et al. **J Reprod Fertil** 46(1):203–9, Jan 76
The seminiferous tubules in dasyurid marsupials. Woolley P. **J Reprod Fertil** 45(2):255–61, Nov 75
The relationship between dialy sperm production as determined by quantitative testicular histology and daily sperm output in the stallion. Swierstra EE, et al.
J Reprod Fertil [Suppl] (23) Oct 75
Y chromosome effect on adult testis size. Hayward P.
Nature 250(5466):498–500, 9 Aug 74
Letter: Scrotal asymmetry in man and in ancient sculpture. McManus IC. **Nature** 259(5542):426, 5 Feb 76
A quantitative histological study of changes in the bovine testis and epididymis associated with age. Humphrey JD, et al. **Res Vet Sci** 19(2):135–41, Sep 75
The Leydig cells and the vascular system in the testis of the goat (Capra hircus). Oduor–Okelo D.
Z Mikrosk Anat Forsch 88(6):1036–44, 1974
[Histological and histochemical studies on testis, epididymis and ductus defrens of the rooster (Gallus domesticus)] Kugler P. **Gegenbaurs Morphol Jahrb** 121(3):257–88, 1975 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

An angiographic study of the fox testis in various stages of sexual activity. Joffre M, et al. **Anat Rec** 183(4):599–603, Dec 75
Selective retrograde venography of the internal spermatic vein: a conclusive approach to the diagnosis of varicocele. Comhaire F, et al. **Andrologia** 8(1):11–24, 1976
Adrenal cortical hormones in the spermatic vein of 95 patients with left varicocele. Steeno O, et al.
Andrologia 8(2):101–4, 1976
An unusual case of right and left testicular arteries arching over the left renal vein. Nathan H, et al. **Br J Urol** 48(2):135–8, Apr 76
Subfertility and varicocele. I. Venogram demonstration of anastomosis sites in subfertile men. Etriby AA, et al.
Fertil Steril 26(10):1013–7, Oct 75
Results of ligation of internal spermatic vein in the treatment of infertility in azoospermic patients. Mehan DJ.
Fertil Steril 27(1):110–4, Jan 76
A case of origin of the testicular artery from the renal artery, and course of the testicular artery behind the inferior vena cava. Otulakowski B, et al. **Folia Morphol (Warsz)** 34(3):349–51, 1975
An analysis of the effect of ischaemia on testicular ultrastructure. Kaya M, et al. **J Pathol** 117(2):105–17, Oct 75
Proceedings: Total and capillary blood flow through the testes of anaesthetized rams. Godinho HP, et al.
J Physiol (Lond) 251(1):19P–20P, Sep 75
Regional sensitivity of the testicular artery to noradrenaline in ram, rabbit, rat and boar. Waites GM, et al.
J Reprod Fertil 45(1):159–63, Oct 75
Selective testicular venography in abdominal cryptorchidism. Amin M, et al. **J Urol** 115(6):760–1, Jun 76
Venous infarction of the testis owing to vena caval thrombosis. Waldbaum RS, et al. **J Urol** 116(2):259–60, Aug 76
Postnatal development of testicular capillaries and the effect of experimental cryptorchid on capillaries in rats. Nakashima K. **Jpn J Vet Res** 23(3):109, Jul 75
Postischaemic circulation disturbances. Fuchs U, et al.
Z Mikrosk Anat Forsch 89(1):49–62, 1975
[Proceedings: Concentrations of 7 steroids in the spermatic vein in man. Comparison with peripheric concentrations (author's transl)] Scholler R, et al.
Ann Endocrinol (Paris) 36(6):353–4, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[The structure and function of the vena spermatica interna—the etiology of varicocele] Völter D, et al.
Andrologia 7(2):127–33, 1975 (Eng. Abstr.) **(Ger)**
[Testicular and ovarian blood vessels] Shimada Y, et al.
Acta Anat Nippon 50(3):147–50, 1 Jun 75 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Cyclic changes in the pituitary gland in correlation with the testicular cycle in a hill–stream teleost, Schizothorax richardsonii (Gray and Hard). Bisht JS.
Acta Anat (Basel) 92(3):443–53, 1975
The Sertoli cell junctional specializations and their relationship to the germinal epithelium as observed after efferent ductule ligation. Ross MH, et al. **Anat Rec** 183(2):267–91, Oct 75
Variation in the stock of testicular stem cells and in the yield of spermatogonial divisions in ram and bull testes. Hochereau–de Reviers MT. **Andrologia** 8(2):137–46, 1976
Comparative cytomorphologic aspects of the male germ cells, especially of the 'Gonia'. Wartenberg H. **Andrologia** 8(2):117–30, 1976
Myoid cells in the peritubular tissue (Lamina propria) of the reptilian testis. Unsicker K, et al. **Cell Tissue Res** 163(4):545–60, 19 Nov 75
Metabolic effects of FSH on cells of the seminiferous tubules. pp. 405–22. Means AR.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.
Duration of the cycle of the seminiferous epithelium in the prairie vole (Microtus ochrogaster ochrogaster). Schuler HM, et al. **J Exp Zool** 197(1):1–11, Jul 76
Description of the boundary tissue of human seminiferous tubules under normal and pathological conditions. Bustus–Obregon E. **Verh Anat Ges** 68:197–201, 1974
Identification, isolation and kinetic characterization of living spermatogenic cells of the rat. Parvinen M.
Verh Anat Ges 68:191–2, 1974
[Testicular histology in the aging man] Kaden R.
Fortschr Med 93(31):1545–9, 6 Nov 75 (Eng. Abstr.) **(Ger)**
[Construction and function of the wall of the intratesticular canal system] Kormano M. **Verh Anat Ges** 68:193–6, 1974 (Eng. Abstr.) **(Ger)**
[Changes in rat testis glandulocytes under deep hypothermia] Blinova TS. **Arkh Anat Gistol Embriol** 70(1):66–73, Jan 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Mechanism of action of alpha–chlorhydrin on the testes and caput epididymidis of rat, gerbil (Meriones hurrianae), bat

and mouse. Dixit VP, et al. **Acta Anat (Basel)** 95(1):50–7, 1976

Sustained fertility in a non-scrotal mammal, the Indian hedgehog (Hemiechinus auritus Collaris), after CdCl2 administration. Lohiya NK, et al. **Acta Anat (Basel)** 93(2):296–303, 1975

Chemical sterilization: effects of a single high dose of 3-chloro-1,2-propanediol on the testes and epididymides of dog. Dixit VP, et al. **Acta Eur Fertil** 6(1):57–62, Mar 75

The effects of chemical occlusion of vas deferens on the testicular function of dog: a preliminary study. Dixit VP, et al. **Acta Eur Fertil** 6(4):348–53, Dec 75

Effect of cadmium chloride on testis and seminal vesicular fructose contents of shrew (Suncus murinus anderson), gerbil (Meriones hurrianae jerdon) and hedgehog (Hemiechinus auritus collaris). Lohiya NK, et al. **Acta Eur Fertil** 7(1):75–81, Mar 76

Longitudinal growth of the seminiferous tubules in LH and FSH treated rats. Leidl W, et al. **Andrologia** 8(2):131–6, 1976

Testicular reaction to prolonged exposure to nitrous oxide. Kripke BJ, et al. **Anesthesiology** 44(2):104–13, Feb 76

Effect of methadone on the male reproductive system. Thomas JA, et al. **Arch Int Pharmacodyn Ther** 215(2):215–21, Jun 75

Effect of protein-synthesis inhibitors on testosterone production in rat testis interstitial tissue and Leydig-cell preparations. Cooke BA, et al. **Biochem J** 150(3):413–8, Sep 75

Effects of prolactin on the sensitivity of the testis to LH. Bartke A, et al. **Biol Reprod** 15(1):90–3, Aug 76

Early effects of a lethal cadmium dose on gerbil testis. Berliner AF, et al. **Biol Reprod** 13(2):240–7, Sep 75

The effects of neonatally-administered monosodium glutamate on the reproductive system of adult hamsters. Lamperti A, et al. **Biol Reprod** 14(3):362–9, Apr 76

Effects of mammalian and nonmammalian gonadotropins on androgen production by minced rabbit testis. Light P, et al. **Biol Reprod** 14(2):194–201, Mar 76

Serum testosterone response to acute LH treatment in estradiol treated rats. Moger WH. **Biol Reprod** 14(2):115–7, Mar 76

Effects of large doses of anabolic steroids. Harkness RA, et al. **Br J Sports Med** 9(2):70–3, Jul 75

Effect of oxytocin injection on the rabbit testis homogenate oxytocic activity. Wójcik K, et al. **Bull Acad Pol Sci [Biol]** 23(7):469–73, 1975

90 day dermal toxicity of DDVP in male rats. Dikshith TS, et al. **Bull Environ Contam Toxicol** 15(5):574–80, May 76

Chelation in metal intoxication II: In vitro and in vivo effect of some compounds on brain, liver, and testis of rats treated with manganese sulphate. Singh J, et al. **Bull Environ Contam Toxicol** 14(4):497–503, Oct 75

Prolactin restores plasma testosterone levels and stimulates testicular growth in hamsters exposed to short day-length. Bartke A, et al. **Endocrinology** 97(6):1601–4, Dec 75

Studies on the antitesticular action of DL-6-(N-2-pipecolinomethyl)-5-hydroxy-indane (PMHI) in the rat. Fang VS, et al. **Endocrinology** 99(2):358–70, Aug 76

Effects of a non-steroidal antiandrogen on sexual behavior and pituitary-gonadal function in the male rat. Södersten P, et al. **Endocrinology** 97(6):1468–75, Dec 75

Effects of a single ethanol injection into the vas deferens on the testicular function of rats. Dixit VP, et al. **Endokrinologie** 67(1):8–13, Mar 67

An apparently direct inhibitory effect of oestrogen on the human testis. Dörner G, et al. **Endokrinologie** 66(2):221–4, 1975

Effect of diazinon in male rats. Histopathological and biochemical studies. Dikshith TS, et al. **Environ Physiol Biochem** 5(5):293–9, 1975

Effects of a polychlorinated biphenyl (PCB) on sleeping times, plasma corticosteroids, and testicular activity of white-footed mice. Sanders OT, et al. **Environ Physiol Biochem** 5(5):308–13, 1975

Some effects of DDT and PCB on the hormonal system in the male mouse. Lundberg C, et al. **Environ Qual Saf [Suppl]** 3:577–80, 1975

Antispermatogenic activity of 1-p. chlorobenzyl-1H indazol-3-carboxylic acid (AF 1312/TS) in rats. III. A light and electron microscopic study after single oral doses. De Martino C, et al. **Exp Mol Pathol** 23(2):321–56, Oct 75

Chronic treatment of immature male rats with synthetic LH-RH. Garcia-Hjarles MA, et al. **Experientia** 31(10):1235–7, 15 Oct 75

The effect of luteineizing hormone on chicken testis and pineal gland uptake of 32P. Sackman JW. **Experientia** 31(11):1362–4, 15 Nov 75

Effect of cyproheptadine hydrochloride on spermatogenesis. Sarkar SL, et al. **Experientia** 31(11):1367–8, 15 Nov 75

Action of parachlorophenylalanine on the gonads of male rats. Rabadán FP, et al. **Farmaco [Prat]** 31(3):159–61, Mar 76

Effects of alpha-chlorohydrin on the testes and epididymides of dog: a preliminary study. Dixit VP, et al. **Fertil Steril** 26(8):781–5, Aug 75

Testicular response to exogenous gonadotropins in the syndrome of feminizing testes. Turksoy RN, et al. **Fertil Steril** 27(6):670–6, Jun 76

Adrenal phasing of a diurnal rhythm of testicular responsiveness to FSH in chickens. Dusseau JW, et al. **Gen Comp Endocrinol** 28(3):255–63, Mar 76

Effects of adrenosterone on gonadal and body growth in Tilapia nilotica (Teleostei, Cichlidae). Katz Y, et al. **Gen Comp Endocrinol** 29(3):414–8, Jul 76

The effect of 17 beta-estradiol acetate on the testis and thumb pad of Rana cyanophlyctis (Schn.) and Rana tigrina (Daud.). Saidapur SK, et al. **Gen Comp Endocrinol** 27(3):350–7, Nov 75

Antigonadal and progonadal effects of testosterone in male house sparrows. Turek FW, et al. **Gen Comp Endocrinol** 28(4):395–402, Apr 76

Action of gonadotropins in testes organ and cell culture. pp. 42–54. Steinberger A, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Biochemical aspects of the interaction of human chorionic gonadotropin with rat gonads. pp. 474–84. Ashitaka Y, et al. **In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.**

Cell types influenced by FSH in the rat testis. pp. 500–11. Dorrington JH, et al. **In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.**

Some effects of FSH on the seminiferous epithelium of mammalian testis. pp. 485–99. Means AR. **In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.** (41 ref.)

Marihuana's effects on human gonadal function. pp. 521–32. Hembree WC 3d, et al. **In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.**

In vitro inhibition of protein and nucleic acid synthesis in rat testicular tissue by cannabinoids. pp. 223–41. Jakubovic A, et al. **In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.**

Cytological and cytochemical effects of whole smoke and of the gas vapor phase from marihuana cigarettes on growth and DNA metabolism of cultured mammalian cellls. pp. 243–56. Leuchtenberger C, et al. **In: Nahas GG, et al., ed. Marihuana: chemistry, biochemistry, and cellular effects. New York, Springer, 1976. QV 109 S253m 1975.**

Effect of cannabis & opium on the testis of the pigeon Columba livia Gmelin. Vyas DK, et al. **Indian J Exp Biol** 14(1):22–5, Jan 76

Effect of candicidin and colestipol on the testes and prostate glands of BIO 87.20 hamsters. Wang GM, et al. **Invest Urol** 14(1):66–71, Jul 76

Proceedings: Effect of delta9-tetrahydrocannabinol on the hypothalamic-pituitary-gonadal system in the maturing male rat. Symons AM, et al. **J Endocrinol** 68(3):43P–44P, Mar 76

Effect of metopirone on the secretory response of the testis to human chorionic gonadotrophin. Yamashita K, et al. **J Endocrinol** 66(1):133–4, Jul 75

Gonadal function, testicular histology, and meiosis following cyclophosphamide therapy in patients with nephrotic syndrome. Etteldorf JN, et al. **J Pediatr** 88(2):206–12, Feb 76

Effects of dietary caffeine on the testis of the domestic fowl, Gallus domesticus. Ax RL, et al. **J Reprod Fertil** 47(2):235–8, Jul 76

Proceedings: Pituitary-testicular responses in rams to prolonged infusions of LH-RH. Bremner WJ, et al. **J Reprod Fertil** 46(2):496–7, Mar 76

Effect of gonadotrophins and testosterone on the seminiferous tubules of the immature rat. Chemes HE, et al. **J Reprod Fertil** 46(2):283–8, Mar 76

Effects of prostaglandin F2alpha on the reproductive system on the male rat. Tso EC, et al. **J Reprod Fertil** 44(3):545–50, Sep 75

Corticosterone-induced gonadosuppression in photostimulated tree sparrows. Wilson FE, et al. **Life Sci** 17(9):1451–6, 1 Nov 75

Colchicine and testicular function in man. Bremner WJ, et al. **N Engl J Med** 294(25):1384–5, 17 Jun 76

Enhanced mortality in offsprings of male mice treated with 5-azacytidine prior to mating. Morphological changes in testes. Seifertová M, et al. **Neoplasma** 23(1):53–60, 1976

Melatonin-induced inhibition of testicular function in adult golden hamsters. Turek FW, et al. **Proc Soc Exp Biol Med** 151(3):502–6, Mar 76

Neuroendocrine effects of perinatal androgenization in the male ferret. Baum MJ, et al. **Prog Brain Res** 42:343–55, 1975

Testicular function after combination chemotherapy for Hodgkin's disease. Asbjornsen G, et al. **Scand J Haematol** 16(1):66–9, Jan 76

Melatonin: antigonadal and progonadal effects in male golden hamsters. Turek FW, et al. **Science** 190(4211):280–2, 17 Oct 75

Endocrine changes after diethylstilbestrol therapy. Effects on prostatic neoplasm and pituitary-gonadal axis. Prout GR, et al. **Urology** 7(2):148–55, Feb 76

[Proceedings: Levels of 8 steroids in plasma after normal testis stimulation by HCG (author's transl)] Scholler R, et al. **Ann Endocrinol (Paris)** 36(6):351–2, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Sensitivity of embryonic mouse testis to luteinizing hormone, LH] Weniger JP, et al. **C R Acad Sci [D] (Paris)** 279(20):1629–31, 13 Nov 74 **(Fre)**

[The rate of induction of estrogen synthesis in male chick embryos treated with estradiol] Weniger JP, et al. **C R Acad Sci [D] (Paris)** 280(6):749–51, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Influence of chorionic gonadotropin on testosterone synthesis by the rat embryonic testis] Weniger JP, et al. **C R Acad Sci [D] (Paris)** 280(15):1809–11, 21 Apr 75 **(Fre)**

[Comparative study in adult and immature rabbits on response of testis to HCG stimulation] Berger M, et al. **C R Soc Biol (Paris)** 168(10–11–12):1330–5, 1974 (Eng. Abstr.) **(Fre)**

[The action of hormones on the male germinal cells of Carassius auratus L. in organ culture] Remacle C. **Gen Comp Endocrinol** 29(4):480–91, Aug 76 (Eng. Abstr.) **(Fre)**

[Histochemical investigations in the experimental unilateral cryptorchism of the dog after HCG-treatment (author's transl)] Weissbach L, et al. **Acta Histochem (Jena)** 52(1):62–70, 1975 (Eng. Abstr.) **(Ger)**

[Gonadotropin induced steriodogenesis in prepubertal boys (author's transl)] Herzlinger St, et al. **Paediatr Paedol** 11(1):136–44, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the influence of trimethoprim/sulfamethoxazole on the quality of sperm in andrologic patients and a contribution to the pharmacological testing of a drug on the spermatogenetic activity of the testis] Lange D, et al. **Z Hautkr** 49(20):863–78, 15 Oct 74 **(Ger)**

[Histological studies of the changes induced by benzedrine administration in the testis of Mus norvegicus albinus] Continenza MA, et al. **Boll Soc Ital Biol Sper** 52(10):671–7, 30 MAY 76 **(Ita)**

[Effects of treatment with 1 alpha-methyl-5 alpha-androstan-17 beta-ol-3-one on the dynamics of diencephalo-hypophysio-gonadal axis and on spermatogenesis in some forms of male infertility] Franchi F, et al. **Folia Endocrinol (Roma)** 27(5):480–505, Oct 74 (Eng. Abstr.) **(Ita)**

[Histochemical studies on the influence of nitrogranulogen-Polfa on the seminiferous epithelium of the rat testicle (author's transl)] Królikowska-Prasal I, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:227–39, 1974 (Eng. Abstr.) **(Pol)**

[Functional state of the testis after the use of certain antibiotics and nitrofuran preparations] Iunda IF, et al. **Antibiotiki** (9):843–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Trigger properties of gonadotropic hormones and oocyte factors in connection with the germinal epithelium of the rat testis] Chichinadze NK, et al. **Arkh Anat Gistol Embriol** 69(11):33–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the spermatogenic epithelium and in the basic components of the blood-testis barrier in adult rats following repeated administration of estradiol dipropionate] Gladkova NS. **Biull Eksp Biol Med** 80(7):118–21, Jul 75 (Eng. Abstr.) **(Rus)**

[The effect of destruction and stimulation of the supraoptic and paraventricular nuclei of the hypothalamus on testicular sensitivity to chorionic gonadotropin] Iasyns'kyĭ VI. **Fiziol Zh** 20(6):741–6, Nov-Dec 74 **(Ukr)**

EMBRYOLOGY

The onset of testicular differentiation in the rat: An ultrastructural study. Merchant-Larios H. **Am J Anat** 145(3):319–29, Mar 76

Ultrastructure of the early ovary and testis in pig embryos. Pelliniemi LJ. **Am J Anat** 144(1):89–111, Sep 75

Differential growth of human foetal gonads with respect to sex and body side. Mittwoch U. **Ann Hum Genet** 40(1):133–8, Jul 76

Testosterone secretion by the early fetal pig testes in organ culture. Stewart DW, et al. **Biol Reprod** 15(1):25–8, Aug 76

Testosterone production by testes of fetal rats and mice. pp. 177–89. Bloch E, et al. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

The control of androgen synthesis in human fetal testicular cells in culture. pp. 247–54. Villee DB. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

Sertoli cells and early testicular differentiation. pp. 1–11. Jost A, et al. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Gonadotropic control of the development of testes and accessory organs. pp. 199–204. Prasad MR. **In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.** (28 ref.)

Proceedings: Intra-uterine gonadal development. Peters H. **J Endocrinol** 66(2):5P–6P, Aug 75

Fine structure of the gonads of the horse and its functional implications. González-Angulo A, et al. **J Reprod Fertil [Suppl]** (23):563–7, Oct 75

An ultrastructural and histochemical study of the interstitial cells in the gonads of the fetal horse. Hay MF, et al. **J Reprod Fertil [Suppl]** (23):557–61, Oct 75

Gonad size and sex differentiation in rabbit embryos. Buehr

M, et al. **Verh Anat Ges** 68:163–7, 1974

[Androgens and regression of the Mullerian ducts in the male mammalian embryo(author's transl)] Weniger JP, et al. **Ann Endocrinol (Paris)** 36(1):13–20, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Action of gonadotropins on androgen synthesis by embryonic testes of mouse and rat] Weniger JP, et al. **Arch Anat Microsc Morphol Exp** 64(1):61–6, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Anti-Mullerian hormone: A feto-protein?] Josso N. **Arch Fr Pediatr** 32(2):109–11, Feb 75 **(Fre)**

[Gonad development and differentiation in the golden hamster] Laurent JL, et al. **Bull Assoc Anat (Nancy)** 59(166):639–50, Sep 75 (Eng. Abstr.) **(Fre)**

[Metabolism of pregnenolone 16–3H and progesterone 4–14C by 18 day fetal mouse gonads in organotypic culture. Effect of the gonadotropic hormone LH] Pointis G, et al. **C R Acad Sci [D] (Paris)** 280(23):2685–8, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Hypophysectomy and androgen synthesis in rat embryos] Weniger JP, et al. **C R Acad Sci [D] (Paris)** 282(2):215–7, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Development of 7—11-week-old human embryonic gonads in organ culture] Gapienko EF. **Biull Eksp Biol Med** 79(5):103–6, May 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Testicular delta5–3beta-hydroxysteroid dehydrogenase in toad (Bufo melanostictus) following prolonged exposure to heat. Biswas NM, et al. **Acta Histochem (Jena)** 54(2):280–3, 1975

The influence of ACTH on steroid synthesis in normal and abnormal testicular tissues. Villee DB, et al. **Adv Enzyme Regul** 13:317–28, 1975

Evidence for two variants of poly(adenosine diphosphate ribose) glycohydrolase in rat testis. Burzio LO, et al. **Arch Biochem Biophys** 173(1):306–19, Mar 76

Hormonal activity of testes in aged rats with leydig cell hyperplasia: histochemical investigation of some hydroxysteroid dehydrogenases. Lehmann H, et al. **Beitr Pathol** 156(2):109–16, Nov 75

Properties of the testicular lactate dehydrogenase isoenzyme. Blanco A, et al. **Biochem J** 153(2):165–72, 1 Feb 76

Protein kinase activity in rat testis interstitial tissue. Effect of luteinizing hormone and other factors. Cooke BA, et al. **Biochem J** 154(2):371–8, 15 Feb 76

Human serum and synovial fluid hyaluronidase—bovine testicular hyaluronidase is not a valid substitute in drug evaluation studies. Stephens RW, et al. **Biochem Pharmacol** 25(13):1507–11, 1 Jul 76

The effect of retinol and retinoic acid on the testicular phospholipase a activity in retinol-deficient rats. Chaudhary LR. **Biochim Biophys Acta** 424(3):489–92, 26 Mar 76

Carbonic anhydrase localization in the epidimymis and testis of the rat: histochemical and biochemical analysis. Cohen JP, et al. **Biol Reprod** 14(3):339–46, Apr 76

Endonuclease activity in bull semen, testis and accessory sex organs. Tanigawa Y, et al. **Biol Reprod** 12(4):464–70, May 75

Delay in sexual maturation of rats caused by synthetic LH-releasing hormone: enhancement of steroid delta 4–5 alpha-hydrogenase in testes. Yanaihara T, et al. **Biol Reprod** 12(4):491–7, May 75

Testicular 17-ketosteroid reductase deficiency as a cause of male pseudohermaphroditism in 2 sibs. Summitt RL, et al. **Birth Defects** 11(4):87–9, 1975

The oxytocin-inactivating activity of the rabbit testes homogenates. Wójcik K, et al. **Bull Acad Pol Sci [Biol]** 23(8):577–80, 1975

Partial characterization of a histone acetyltransferase from trout testis. Candido EP. **Can J Biochem** 53(7):796–803, Jul 75

The fine structural localization of testicular phosphatases in man: the control testis. Barham SS, et al. **Cell Tissue Res** 166(4):497–510, 27 Feb 76

Effect of ionic strength and pH on the properties of purified bovine testicular hyaluronidase. Gorham SD, et al. **Connect Tissue Res** 3(1):17–25, 1975

Changing DNA polymerase activities during the development of the testis in the mouse. Hecht NB, et al. **Dev Biol** 48(1):56–66, Jan 76

In vitro effects of ascorbic acid and dehydroascorbic acid on diphosphopyridine nucleotide diaphorase in toad testis. Biswas NM. **Endokrinologie** 67(1):107–10, Mar 67

Effect of human chorionic gonadotropin on the testicular delta 5-3 beta-hydroxysteriod dehydrogenase and spermatogenesis in hibernating toad (Bufo melanostictus). Patra PB, et al. **Endokrinologie** 67(2):167–71, Jun 76

Non-oligomeric nature of porcine testicular 20alpha-hydroxysteroid dehydrogenase. Shikita M, et al. **FEBS Lett** 66(1):4–7, 1 Jul 76

Male pseudohermaphroditism due to testicular 17-ketosteroid reductase deficiency. Schaison G, et al. **Horm Metab Res** 8(4):307–10, Jul 76

Partial purification of testicular hyaluronidase using concanavalin A – Sepharose affinity chromatography. Balasubramanian KA, et al. **Indian J Biochem Biophys** 12(3):204–6, Sep 75

Radiation effects on testes : evidences for (Na+ + K+) stimulated ATPase in germinal and non-germinal cells of testis of rat. Gupta GS. **Indian J Biochem Biophys** 12(2):189–92, Jun 75

Proteinases in rat epididymis & testis. Nag S, et al. **Indian J Exp Biol** 13(4):350–2, Jul 75

Effects of prolactin and LH on the activity of delta5–3beta hydroxy-steroid dehydrogenase, dihydro-orotic dehydrogenase, b-hydroxybutyrate dehydrogenase and glucose-6-phosphate dehydrogenase in the testis of the dwarf mice. Mathur U, et al. **Indian J Physiol Pharmacol** 19(2):58–64, Apr–Jun 75

A mathematical analysis of the substrate effect observed in 3beta-hydroxysteroid dehydrogenase reactions of rat testicular microsomes. Katsumata M, et al. **J Biochem (Tokyo)** 79(3):605–11, Mar 76

Heterogeneity of cytochrome P-450 in rat testis microsomes. Betz G, et al. **J Biol Chem** 251(9):2839–41, 10 May 76

Mechanism of action of bovine testicular hyaluronidase. Mapping of the active site. Highsmith S, et al. **J Biol Chem** 250(18):7473–80, 25 Sep 75

Testicular protein kinases. Characterization of multiple forms and ontogeny. Lee PC, et al. **J Biol Chem** 251(4):914–21, 25 Feb 76

Deficient 17 beta-hydroxysteroid oxidoreductase activity in testes from a male pseudohermaphrodite. Pittaway DE, et al. **J Clin Endocrinol Metab** 43(2):457–61, Aug 76

Proceedings: Effect of luteinizing hormone and cyclic AMP on protein kinase activity in rat testicular interstitial tissue. Cooke BA, et al. **J Endocrinol** 67(2):14P–15P, Nov 75

A low-resolution study of testicular lactate dehydrogenase using the molecular replacement technique. Musick WD, et al. **J Mol Biol** 104(3):659–68, 5 Jul 76

Regulatory interactions for the control of steroid sulfate metabolism. Notation AD. **J Steroid Biochem** 6(3–4):311–6, Mar–Apr 75 (36 ref.)

Testicular 17beta-hydroxysteroid dehydrogenase: its distribution, purification and properties. Tamaoki B, et al. **J Steroid Biochem** 6(3–4):361–3, Mar–Apr 75

In vitro inhibition of cyclic AMP phosphodiesterase by cortisol. Schmidtke J, et al. **Nature** 262(5569):593–4, 12 Aug 76

Effect of cadmium chloride on the rat testicular soluble selenoenzyme, glutathione peroxidase. Omaye ST, et al. **Res Commun Chem Pathol Pharmacol** 12(4):695–711, Dec 75

[Study on the inhibition of testicular polyadenylate polymerase stimulated by manganese] Corti A, et al. **Boll Soc Ital Biol Sper** 51(5):256–62, 15 Mar 75 (Eng. Abstr.) **(Ita)**

[Hypogonadism due to genetic cause. Morphological and histoenzymological studies on the testis] Chiara F. **Riv Istochim Norm Patol** 18(1–4):129, 1974 **(Ita)**

[Histocytochemistry of some oxidoreductases in the gonads of patients with Klinefelter's syndrome] Walczak M, et al. **Endokrynol Pol** 26(5):581–91, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Role of catecholamines in photoperiodically-induced gonadal development in Coturnix quail. EL Halawani ME, et al. **Biol Reprod** 13(5):603–9, Dec 75

Androgen binding protein as a biochemical marker of formation of the blood–testis barrier. Tindall DJ, et al. **Endocrinology** 97(3):636–48, Sep 75

Postpuberal changes in semen production of Charolais bulls ejaculated at high frequency and the relation between testicular measurements and sperm output. Almquist JO, et al. **J Anim Sci** 42(3):670–6, Mar 76

Effect of season and year of measurement on testicular growth and consistency of Holstein bulls. Coulter GH, et al. **J Anim Sci** 42(2):434–8, Feb 76

Proceedings: Follicle-stimulating hormone in the Japanese quail: variation in plasma levels during photo-periodically induced testicular growth and maturation. Follett BK. **J Endocrinol** 67(2):19P–20P, Nov 75

Smooth muscle cells in the rat testicular capsule: a developmental study. Leeson TS. **J Morphol** 147(2):171–85, Oct 75

Changes in the composition of the excurrent duct system of the rat testis during postnatal development. Brooks DE. **J Reprod Fertil** 46(1):31–8, Jan 76

Testis growth and plasma LH concentration following hemicastration and its relation with female prolificacy in sheep. Land RB, et al. **J Reprod Fertil** 45(3):495–501, Dec 75

Regulation of gonadotrophin secretion in rams from birth to sexual maturity. II. Response of the pituitary–testicular axis to LH-RH infusion. Lee VW, et al. **J Reprod Fertil** 46(1):7–11, Jan 76

Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH and testosterone levels. Lee VW, et al. **J Reprod Fertil** 46(1):1–6, Jan 76

Growth and maturation of testes in young coturnix and modification by exogenous FSH, LH, and testosterone—a stereologic evaluation. Purcell SM, et al. **Poult Sci** 54(4):1115–22, Jul 75

The cloacal gland—an external indicator of testicular development in coturnix. Siopes TD, et al. **Poult Sci** 54(4):1225–9, Jul 75

Light and social exposure: complimentary effect on pituitary gonadal function. Cheng MF. **Prog Brain Res** 42:368, 1975

The effect of ewe proximity on testis size in developing rams. Illius AW, et al. **Vet Rec** 97(15):281–2, 11 Oct 75

[Effect of hemispherectomy on neuroendocrine responses in birds] Baylé JD, et al. **C R Acad Sci [D] (Paris)** 281(20):1501–4, 17 Nov 75 (Eng. Abstr.) **(Fre)**

[The testicular response to selective photostimulation of the basal hypothalamus or of the preoptic area of the quail] Oliver J, et al. **C R Acad Sci [D] (Paris)** 282(6):571–4, 9 Feb 76 (Eng. Abstr.) **(Fre)**

[Electron microscopic study of the development of the seminiferous tubule from birth to the end of the 1st year] Hadziselimovic F. **Acta Anat (Basel)** 95(2):287–99, 1976 (Eng. Abstr.) **(Ger)**

[The influence of the retina on the maturation of the testicles: an experimental study in rabbits (author's transl)] Weiss H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):95–100, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Ultrastructure of interstitial cells in the porcine testis development] Dierichs R, et al. **Verh Anat Ges** 68:251–4, 1974 (Eng. Abstr.) **(Ger)**

[Early development of seminiferous tubules in man] Elias W. **Verh Anat Ges** 68:123–31, 1974 **(Ger)**

[Development of the peritubular structure of seminiferous tubules in children] Hadziselimovic F, et al. **Verh Anat Ges** 69:725–31, 1975 (Eng. Abstr.) **(Ger)**

[Histochemistry of interstitial cells in the porcine testis during postnatal development] Wrobel KH, et al. **Verh Anat Ges** 68:247–9, 1974 (Eng. Abstr.) **(Ger)**

[Growth and differentiation of Sertoli cells in the procine testis during postnatal ontogenesis] Wrobel KH, et al. **Verh Anat Ges** 69:723–4, 1975 (Eng. Abstr.) **(Ger)**

[Postnatal testicular development of white rats following glucocorticoid treatment of mothers during pregnancy] Seeliger H, et al. **Verh Dtsch Ges Pathol** 59:568, 1975 **(Ger)**

[Proceedings: Effects of reserpine, 6-OHDA, L-DOPA and 5-HTP on the development of sex glands in male rats] Matsuyama S. **J Physiol Soc Jpn** 36(8–9):402, 1 Sep 74 **(Jpn)**

IMMUNOLOGY

The effect of testis biopsy on autosensitization against spermatozoal antigens. Hjort T, et al. **Clin Exp Immunol** 18(2):201–12, Oct 74

Antibodies against testicular germinal cells in lepromatous leprosy. Wall JR, et al. **Clin Exp Immunol** 17(1):51–9, May 74

Antibodies against testicular germinal cells in lepromatous leprosy. Wall JR, et al. **Clin Exp Immunol** 17(1):51–9, May 74

Antibodies to testicular antigens in vasectomized rabbits. Bigazzi PE, et al. **Clin Immunol Immunopathol** 5(2):182–94, Mar 76

A new model for antisperm autoimmunity in guine pigs. Mazzolli AB, et al. **Int J Fertil** 21(1):49–54, 1976

Demonstration of antibodies to testicular basement membrane by immunofluorescence in a patient with multiple primary endocrine deficiencies. Murthy GG, et al. **J Clin Endocrinol Metab** 42(4):637–41, Apr 76

Testicular antispermatogenic antibodies in obstructive azoospermia. Abdel Aal H, et al. **J Reprod Fertil** 47(1):117–8, May 76

[Use of a water-soluble adjuvant fraction from 'Mycobacterium smegmatis' with sperm extract to induce autoimmune aspermatogenic orchiepididymitis in guniea pigs (author's transl)] Toullet F, et al. **Ann Immunol (Paris)** 125(6):901–10, Nov 74 (Eng. Abstr.) **(Fre)**

[Induction of autoaggressive processes in the human testis and epididymis] Lüders G. **Med Welt** 27(22):1086–9, 28 May 76 **(Ger)**

[The effect of small doses of antitesticular cytotoxic serum on sperm production in stud bulls] Borodai VP, et al. **Fiziol Zh** 21(4):540–3, Jul–Sep 75 **(Ukr)**

[Serologic characteristics of antitesticular cytotoxic sera specific for bulls] Natsyk VH. **Fiziol Zh** 20(5):628–31, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

[Characteristics of the immunologic activity and specificity of different classes (IgM, IgG) of immunoglobulins of antitesticular cytotoxic serum] Nyshchymenko OV. **Fiziol Zh** 20(5):586–9, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

INJURIES

Immunologic and testicular response to a damage induced in the contralateral gland. pp. 271–300. Mancini RE. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.** (43 ref.)

A case of traumatic bilateral superficial dislocation of the testis. Boardman KP. **Injury** 7(1):44–6, Aug 75

INNERVATION

[Leydig-cell innervation and seasonal changes in catecholamine concentration of testis in birds] Baumgarten HG, et al. **Verh Anat Ges** 68:267–71, 1974 (Eng. Abstr.) **(Ger)**

[Innervation of Leydig cells in reptiles] Unsicker K. **Verh Anat Ges** 68:273–6, 1974 (Eng. Abstr.) **(Ger)**

[Research on the innervation of the testis] Tedde G, et al. **Boll Soc Ital Biol Sper** 52(1–2):48–51, 30 Jan 76 **(Ita)**

METABOLISM

A histochemical approach to the study of human chorionic gonadotrophin receptors in the rat testis. Dal Lago A, et al. **Acta Endocrinol (Kbh)** 81(1):185–97, Jan 76

Pathways of testosterone synthesis in decapsulated testes of mice. de la Torre B, et al. **Acta Endocrinol (Kbh)**

81(1):170–84, Jan 76

Ligand–binding characteristics of rat testis receptors for luteinizing hormone. Esfahani M, et al. **Acta Endocrinol (Kbh)** 82(1):164–82, May 76

Demonstration of a pituitary gonadotrophin hormone activity in the male foetal mouse. Pointis G, et al. **Acta Endocrinol (Kbh)** 83(1):158–65, Sep 76

Histochemical studies on the mucosubstances in the ovotestis of a hermaphrodite land pulmonate Semperula maculata in seasonal breeding–aestivation cycle. Nanaware SG, et al. **Acta Histochem (Jena)** 54(1):107–22, 1975

Lipid changes in the prenatal and early postnatal testes of the guinea pig, with reference to steroid hormone synthesis. Guraya SS. **Acta Morphol Acad Sci Hung** 22(3–4):283–90, 1974

Effect of FSH and LH on the glycogen concentration in testis of intact and hypophysectomized rats. Leiderman B, et al. **Acta Physiol Lat Am** 24(4):305–11, 1974

Further studies on the effect of cyclic nucleotides on testis DNA synthesis. Hollinger MA, et al. **Arch Int Pharmacodyn Ther** 216(1):79–85, Jul 75

Effect of gonadotropins and prostaglandin on 3' : 5'–cyclic AMP synthesis in young rat testis. Kolena J. **Arch Int Physiol Biochim** 83(4):627–32, Oct 75

Biphasic effect of extracts of Lithospermum ruderale on the uptake of 32P by testes and thyroids of cockerels. Zeller FJ, et al. **Biochem Biophys Res Commun** 67(3):1234–41, 1 Dec 75

Properties of follicle–stimulating–hormone receptor in cell membranes of bovine testis. Cheng KW. **Biochem J** 149(1):123–32, Jul 75

Testicular chromatin activation in hypophysectomized rats. Chiu JF, et al. **Biochim Biophys Acta** 435(1):1–12, 2 Jun 76

Experimental allergic aspermatogenic orchitis. IV. Chemical properties of sperm glycoproteins isolated from guinea pig testes. Hagopian A, et al. **Biochim Biophys Acta** 434(2):354–64, 15 Jun 76

Effect of Ca2+, ruthenium red and ageing on pregnenolone production by mitochondrial fractions from normal and luteinizing hormone treated rat testes. Van der Vusse GJ, et al. **Biochim Biophys Acta** 428(2):420–31, 23 Apr 76

Formation of 5alpha–reduced C19 steroids from progesterone in vivo by 5alpha–reduced pathway in older prepubertal rat testis. Yamada M, et al. **Biochim Biophys Acta** 424(1):82–9, 22 Jan 76

In vitro conversion of testosterone to various metabolites by the teased testicular tissue of normal and posthypophysectomized regressed rats. Ahmad N, et al. **Biol Reprod** 14(5):561–5, Jun 76

Micropuncture studies of the blood–seminiferous tubule barrier. Howards SS, et al. **Biol Reprod** 14(3):264–9, Apr 76

Müllerian–inhibiting activity of calf fetal testes: relationship to testosterone and protein synthesis. Josso N, et al. **Biol Reprod** 13(2):163–7, Sep 75

Follicle stimulating hormone regulation of protein kinase activity and protein synthesis in testis. Means AR, et al. **Biol Reprod** 14(1):54–63, Feb 76 (35 ref.)

Testosterone levels in early fetal testes of domestic pigs. Raeside JI, et al. **Biol Reprod** 13(3):318–21, Oct 75

Differential effects of melatonin on the testes of photoperiodic and nonphotoperiodic rodents. Turek FW, et al. **Biol Reprod** 15(1):94–7, Aug 76

Mutagenic selectivity of carcinogenic nitroso compounds: III. N,alpha–acetoxymethyl–N–methylnitrosamine. Fahmy OG, et al. **Chem Biol Interact** 14(1–2):21–35, Jul 76

Studies of in vitro steroid metabolism by testis tissue from 'complete' and 'incomplete' forms of testicular feminization. Bell JB. **Clin Endocrinol (Oxf)** 4(4):343–56, Jul 1975

Fatty acid and carbohydrate storage in the annual reproductive cyclice of Echinaster. Ferguson JC. **Comp Biochem Physiol [A]** 52(4):585–90, 1 Dec 75

Fish gonadotropin(s). I. Bioassay of salmon gonadotropin(s) in vitro with immature trout gonads. Idler DR, et al. **Endocr Res Commun** 2(3):199–213, 1975

Androgen nuclear exchange activity in rat testis. Sanborn BM, et al. **Endocr Res Commun** 2(4–5):335–44, 1975

125I–LH binding to rat testes at various ages and posthypophysectomy. Thanki KH, et al. **Endocr Res Commun** 3(1):49–62, 1976

Binding of 125I–HCG by rat testis homogenates in early neonatal period. Kolena J. **Endocrinol Exp (Bratisl)** 10(2):113–8, Jun 76

Intratesticular tissue fluid (ITF) for the micro–bioassay of LH. Shiota K, et al. **Endocrinol Jpn** 23(2):143–7, Apr 76

A cytoplasmic estradiol receptor in rat testicular tissue. Abney TO. **Endocrinology** 99(2):555–66, Aug 76

Specific prolactin binding sites in the prostate and testis of rats. Aragona C, et al. **Endocrinology** 97(3):677–84, Sep 75

Effect of sexual maturation and androgens on prostaglandin levels in tissues of the male reproductive system in mice. Badr FM. **Endocrinology** 98(6):1523–7, Jun 76

Selective suppression of FSH by testicular extracts. Keogh EJ, et al. **Endocrinology** 98(4):997–1004, Apr 76

The intratesticular localization of cytochrome P–450 and cytochrome P–450–dependent enzymes in the rat testis. Menard RH, et al. **Endocrinology** 97(6):1587–92, Dec 75

Concerning the hormonal regulation of androgen binding protein in rat testis. Tindall DJ, et al. **Endocrinology** 99(3):809–18, Sep 76

Steroid metabolism in the gonads of a patient with testicular feminization. II. Metabolism of c19– and c18–steroids in vitro. Schindler AE. **Endokrinologie** 67(1):14–9, Mar 67

Steroid metabolism in the gonads of a patient with testicular feminization. I. Metabolism of cholesterol, pregnenolone, progesterone and dehydroepiandrosterone in vitro. Schindler AE. **Endokrinologie** 65(2):145–53, 1975

Some properties of a unique cadmium–binding moiety in the soluble fraction of rat testes. Chen RW, et al. **Environ Physiol Biochem** 5(4):235–43, 1975

Chromatin–free synaptonemal complex in whole mount preparations. Beçak ML, et al. **Experientia** 31(9):1020–2, 15 SEP 75

Effects of follicle stimulating hormone and luteinizing hormone on the incorporation of 32P into the testis of the immature Japanese quail. Furuya T, et al. **Gen Comp Endocrinol** 29(4):556–9, Aug 76

Changes in the testicular metabolism of dehydroepiandrosterone during the annual reproductive cycle of the hedgehog (Erinaceus europaeus L). Teräväinen T, et al. **Gen Comp Endocrinol** 29(3):328–32, Jul 76

Stimulation of androgen production by the lizard testis: site of action of ovine FSH and LH. Tsui HW. **Gen Comp Endocrinol** 28(4):386–94, Apr 76

Plutonium and other actinide elements in gonadal tissue of man and animals. Richmond CR, et al. **Health Phys** 29(2):241–50, Aug 75 (53 ref.)

Testicular endocrine function and cyclophosphamide in prepubertal and pubertal patients. Andler W, et al. **Helv Paediatr Acta** 30(3):275–9, Oct 75

Hormonal influence on testicular lipids. Sheriff DS, et al. **Horm Res** 6(5–6):387–92, 1975

Testicular gonadotropins. Discussion. pp. 621–31. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

Gonadotrophin receptors of the rat testis and ovary. pp. 83–112. Catt KJ, et al. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

Gonadotrophin binding and activation of testicular steroidogenesis. pp. 581–604. Dufau ML, et al. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

Autoradiographic localization of labelled HCG in the human testis. pp. 571–9. Fabbrini A, et al. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

The development of a sensitive bioassay for luteinizing hormone. pp. 265–80. Van Damme MP, et al. **In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.**

Variations in testosterone excretion by man. pp. 469–78. Harkness RA. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.** (52 ref.)

Approaches to fertility regulation through an understanding of the molecular control of epididymal function. pp. 74–88. Danzo BJ, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.**

Androgen dependency of spermatogenesis and the physiological significance of steroid metabolism in vitro by the seminiferous tubules. pp 493–532. Lacy D. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.** (50 ref.)

Biochemical functions of isolated interstitial tissue and seminiferous tubules from rat testis. pp 533–60. van der Molen HJ, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

Regulation of the production of testicular steroids. pp 459–91. van der Molen HJ, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

Steroid metabolism by the interstitium and seminiferous tubules of the testis in vitro: studies on the rat during development and in the adult in the absence of the boundary tissue. pp. 175–205. Lacy D. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

The entry of substances into the seminiferous tubules. pp. 37–57. Setchell BP. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Steroidogenesis in human testes. pp. 149–74. Steinberger E, et al. **In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.**

Effects of active immunization with steroids on endocrine and reproductive functions in male animals. pp. 155–72. Nieschlag E, et al. **In: Nieschlag E, ed. Immunization with hormones in reproduction research. Amsterdam, North–Holland, 1975.**

Effects of exogenous RNA on steroid metabolism in adrenals and gonads. pp. 73–85. Villee DB, et al. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.**

Bioenergetic effect of the gonadotropic hormones in vivo. pp. 157–62. Milanov S, et al. **In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Testicular feminization syndrome: a model of chemical information non–transfer. pp. 229–36. Northcutt RC, et al. **In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Some biochemical alterations in sheep pox infected lamb testicular cells. Tandon HK, et al. **Indian J Exp Biol** 13(2):199–200, Mar 75

The effect of vitamin E deficiency on androgen and corticosterone synthesis. Barnes MM, et al. **Int J Vitam Nutr Res** 45(3):342–8, 1975

Properties of follitropin–receptor interaction. Characterization of the interaction of follitropin with receptors in purified membranes isolated from mature rat testes tubules. Abou–Issa H, et al. **J Biol Chem** 251(11):3326–37, 10 Jun 76

Gonadotropin binding factor(s). Extraction of high affinity gonadotropin binding sites from rat testis and partial characterization of their interaction with human follitropin, lutropin, and choriogonadotropin. Bhalla VK, et al. **J Biol Chem** 251(16):4947–57, 25 Aug 76

Assay of protamine messenger RNA from rainbow trout testis. Gedamu L, et al. **J Biol Chem** 251(5):1446–54, 10 Mar 76

Conversion of a C–20–deoxy–C21, steroid, 5–pregnen–3beta–ol, into testosterone by rat testicular microsomes. Hochberg RB, et al. **J Biol Chem** 251(11):3320–5, 10 Jun 76

Histone methylation. Its occurrence in different cell types and relation to histone H4 metabolism in developing trout testis. Honda BM, et al. **J Biol Chem** 250(22):8686–9, 25 Nov 75

Sites of in vivo histone methylation in developing trout testis. Honda BM, et al. **J Biol Chem** 250(22):8681–5, 25 Nov 75

Studies of the human testis. VII. Conversion of pregnenolone to progesterone. Fan DF, et al. **J Clin Endocrinol Metab** 41(3):563–74, Sep 75

Pattern of plasma testosterone and delta4–androstenedione in normal newborns: Evidence for testicular activity at birth. Forest MG, et al. **J Clin Endocrinol Metab** 41(5):977–80, Nov 75

In vitro steroid metabolic studies in testicular 17 beta–reduction deficiency. Goebelsmann U, et al. **J Clin Endocrinol Metab** 41(06):1136–43, Dec 75

Intratesticular site of aromatization in the human. Payne AH, et al. **J Clin Endocrinol Metab** 42(6):1081–7, Jun 76

LH and FSH stimulation of cyclic AMP in specific cell types isolated from the testes. Heindel JJ, et al. **J Cyclic Nucleotide Res** 1(2):69–79, 1975

Effect of oestradiol–17beta on testicular output of ascorbic acid and 17–oxosteroids induced by human chorionic gonadotropin. Koba H, et al. **J Endocrinol** 66(2):291–2, Aug 75

Distribution of testosterone and 5alpha–dihydrotestosterone in rat epididymis and their concentrations in efferent duct fluid. Vreeburg JT. **J Endocrinol** 67(2):203–10, Nov 75

Ribosomal DNA transcription products during the first steps of magnification in Drosophila melanogaster. Graziani F, et al. **J Mol Biol** 100(1):59–71, 5 Jan 76

Cellular retinol–binding protein and retinoic acid–binding protein in rat testes: effect of retinol depletion. Ong DE, et al. **J Nutr** 106(2):204–11, Feb 76

Estimation of testosterone and androstenedione in the plasma and testes of cryptorchid offspring of mice treated with oestradiol during pregnancy. André JM, et al. **J Reprod Fertil** 44(2):235–47, Aug 75

The occurrence of C19 steroids in testicular tissue and submaxillary glands of intersex pigs in relation to morphological characteristics. Booth WD, et al. **J Reprod Fertil** 46(1):115–21, Jan 76

Effect of ethane 1,2–dimethane sulphonate on the cyclic AMP response in rat testis to stimulation by HCG. Bu'Lock DE, et al. **J Reprod Fertil** 47(1):151–3, May 76

Differentiation of cholesterol compartments in the immature chick testis. Massa EM, et al. **J Reprod Fertil** 47(2):313–8, Jul 76

Cellular and subcellular compartmentalization of steroid metabolism in the rat testis. Van Der Molen HJ, et al. **J Reprod Fertil** 44(2):351–62, Aug 75

Suppression of testicular androgen synthesis in the rat by ethane 1,2, dimethanesulphonate. Bu'Lock DE, et al. **J Steroid Biochem** 6(7):1181–5, Jul 75

Production and secretion of 5alpha–reduced testosterone (DHT) by male reproductive organs. Eik–Nes KB. **J Steroid Biochem** 6(3–4):337–9, Mar–Apr 75 (40 ref.)

Mechanisms and interactions in testicular steroidogenesis and prostaglandin synthesis. Ellis LC, et al. **J Steroid Biochem** 6(6):1081–90, Jun 75

Transient intermediates in steroidogenesis. Hochberg RB, et al. **J Steroid Biochem** 6(3–4):323–7, Mar–Apr 75

Maturational changes in testicular steroidogenesis: hormonal regulation of 5alpha–reductase. Nayfeh SN, et al. **J Steroid Biochem** 6(3–4):329–35, Mar–Apr 75

In vitro studies on steroid metabolism of testicular tissue in ambisexual teleost fish. Reinboth R. **J Steroid Biochem** 6(3–4):341–4, Mar–Apr 75

Androgen metabolism and concentration in the seminiferous tubules at different stages of development. Rivarola MA,

et al. **J Steroid Biochem** 6(3–4):365–9, Mar–Apr 75
Organization of androgen biosynthesis in the testis. Samuels LT, et al. **J Steroid Biochem** 6(3–4):291–6, Mar–Apr 75
Endogenous steroid production in preparations of rat testis after long–term treatment with HCG. Van Der Vusse GJ, et al. **J Steroid Biochem** 6(3–4):357–9, Mar–Apr 75
Steroid sulphates in human adult testicular steroid synthesis. Vihko R, et al. **J Steroid Biochem** 6(3–4):353–6, Mar–Apr 75
Pituitary testicular relationship with adult male rabbit after experimental cryptorchidism. YoungLai EV, et al. **J Steroid Biochem** 7(2):151–2, Feb 76
Compensatory testosterone secretion in unilaterally orchidectomized rats. Lindgren S, et al. **Life Sci** 18(11):1203–5, 1 Jun 76
Cyclic AMP production in isolated rat seminiferous tubule cell preparations: a potential in vitro assay for follicle stimulating hormone. Rao AJ, et al. **Life Sci** 17(3):411–6, 1 Aug 75
Effect of dietary di–2–ethylhexyl phthalate on lipid biosynthesis in selected tissues from the rat, in vitro. Bell FP, et al. **Lipids** 11(3):216–21, Mar 76
Fatty acid synthesis from 2–14C–acetate in rat testis mitochondrial and cytosol fractions in vitro. Haeffner EW, et al. **Lipids** 10(12):814–7, Dec 75
Rat testicular lipids and dietary isomeric fatty acids in essential fatty acid deficiency. Jensen B. **Lipids** 11(3):179–88, Mar 76
Effects of dietary saturated and trans fatty acids on cholesteryl ester synthesis and hydrolysis in the testes of rats. Takatori T, et al. **Lipids** 11(5):357–63, May 76
Fluorescent products and polyunsaturated fatty acids of human testes. Trombly R, et al. **Lipids** 10(10):591–6, Oct 75
Studies in vitro of lipogenesis in rat testicular tissue. Whorton AR, et al. **Lipids** 10(12):783–9, Dec 75
LH– and FSH–stimulating of adenylate cyclase in seminiferous tubules from young rats: functional FSH and LH receptors unmasked by homogenization. Braun–T, et al. **Mol Cell Endocrinol** 4(3):183–94, Feb 76
Dynamics of steroid uptake in rat testis studied by quantitative autoradiography. Frederik PM, et al. **Mol Cell Endocrinol** 5(1–2):123–36, Jun–Jul 76
Further characterization of the androgen receptor in rat testis. McLean WS, et al. **Mol Cell Endocrinol** 4(4):239–55, Mar 76
Some properties of androgen–binding activity in rat testis. Sanborn BM, et al. **Mol Cell Endocrinol** 3(2):129–42, Aug 75
RNA synthesis in different stages of rat seminiferous epithelial cycle. Söderström KO, et al. **Mol Cell Endocrinol** 5(3–4):181–99, Aug–Sep 76
Immunofluorescence labeling of gonadotropin receptors in enzyme–dispersed interstitial cells. Hsueh AJ, et al. **Nature** 261(5562):710–2, 24 Jun 76
Decreased citrate synthesis: possible indication of early degenerative changes in testes of vitamin E–deficient rats. Younoszai R, et al. **Proc Soc Exp Biol Med** 150(2):441–5, Nov 75
Production of large quantities of interferon with calf testicular cells and leucocytes. Peterhans E, et al. **Res Vet Sci** 20(1):99–100, Jan 76
Prostaglandins inhibit testosterone secretion by mouse testes in vitro. Bartke A, et al. **Steroids** 28(1):81–8, Jul 76
Decreased levels of androgen binding protein in the reproductive tract of the restricted (Hre) rat. Musto NA, et al. **Steroids** 28(1):1–11, Jul 76
The in–vitro and in–vito effects of diethylstilbestrol on testicular synthesis of testosterone. Sholiton LJ, et al. **Steroids** 26(6):797–806, Dec 75
The synthesis of testosterone and estradiol–17beta by the gonads of neonatal rats in vitro. Smeaton TC, et al. **Steroids** 26(2):181–92, Aug 75
Comparative ability of rat seminiferous tubules, interstitium, and whole testes to utilize cholesterol–1,5–3H as a substrate for testosterone synthesis and the intratesticular distribution of cholesterol side–chain cleavage enzyme. Wisner JR Jr, et al. **Steroids** 26(6):769–83, Dec 75
A study of biosynthesis of testosterone from dehydroepiandrosterone by human testicular tissues. Takenaka I, et al. **Yonago Acta Med** 17(3):240–5, Dec 73
[Testosterone metabolism in isolated cells of rat and ram seminiferous tubules] Tence M, et al. **Ann Endocrinol (Paris)** 36(4):213–4, Jul–Aug 75 (Eng. Abstr.) **(Fre)**
[Radioimmunoassay of testosterone in late fetal and newborn rabbit plasma, gonads and adrenal glands] Veyssiére G, et al. **Arch Int Physiol Biochim** 83(4):667–82, Oct 75 (Eng. Abstr.) **(Fre)**
[Role of glycoproteins in chemotactic migration of chick germinal cells, results with concanavalin A in organ culture] Cuminge D, et al. **C R Acad Sci [D] (Paris)** 279(12):995–8, 16 Sep 74 **(Fre)**
[Nucleic acid metabolism in testes from adult rats deficient in vitamin A] Goubern M, et al. **C R Acad Sci [D] (Paris)** 282(2):223–6, 12 Jan 76 (Eng. Abstr.) **(Fre)**
[Variations in the permeability of the testicular follicle of Locusta migratoria migratorioides (Orthoptera) during the last larval instar] Marcaillou C, et al. **C R Acad Sci [D] (Paris)** 281(24):2001–4, 22 Dec 75 (Eng. Abstr.) **(Fre)**
[Plasma and testicular levels of testosterone and androstenedione during puberty in guinea pigs] Robert A, et al. **C R Acad Sci [D] (Paris)** 281(9):555–8, 1 Sep 75 (Eng. Abstr.) **(Fre)**
[Endocrine and spermatogenic testicular function. 2. Correlations between food protein quality, testosterone level in testes, spermatogenesis and nuclear volume of interstitial cells of Leydig in the adult rat. Tönhardt H, et al. **Arch Exp Veterinaermed** 30(1):121–5, 1 Jan 76 (Eng. Abstr.) **(Ger)**
[Key points in the study of androgen biosynthesis—5 alpha–reduced androgen biosynthesis in the sex glands of young rodents] Matsumoto K, et al. **Clin Endocrinol (Tokyo)** 23(12):1177–84, Dec 75 **(Jpn)**
[Effect of total fasting on testicular lipid fractions in rats] Tsyganov EP, et al. **Vopr Pitan** (1):32–3, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**
[Action of gonadotrophins and insulin on the production of testosterone by the testis of diabetic rats] Cattáneo de Peralta Ramos MO, et al. **Rev Soc Argent Biol** 48–49(1–8):48–60, Apr 72–Nov 73 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Ultrastructural studies of semen abnormalities and Herpesvirus associated with cultured testicular cells from domestic turkeys. Thurston RJ, et al. **J Reprod Fertil** 45(2):235–41, Nov 75
Herpesvirus type 2: isolation from seminal vesicle and testes. DeTure FA, et al. **Urology** 7(5):541–4, May 76

PATHOLOGY

Biochemical and histological changes in testes and epididymis of dog after vasectomy. Lohiya NK, et al. **Acta Eur Fertil** 6(4):361–9, Dec 75
The effects of caput ligation on the testicular function of dog. Dixit VP, et al. **Arch Biol (Liege)** 86(3):233–41, 1975
Testicular lesions of streptozotocin diabetic rats. Oksanen A. **Horm Res** 6(3):138–44, 1975
Benign papillary tumour of rete testis. Gupta RK. **Indian J Cancer** 11(4):480–1, Dec 74
Hormonal implications of chemically induced endocrine tumours in serial transplantation. Randeria JD. **Indian J Cancer** 12(3):279–85, Sep 75
Seminoma appearing as a retroperitoneal mass associated with a testicular scar. Cohen EM. **J Am Osteopath Assoc** 75(9):820–5, May 76
Meconium granulomas of the tunica vaginalis. Heydenrych JJ, et al. **J Urol** 115(5):596–8, May 76
Cysts of the tunica albuginea. Report of 4 cases and review of the literature. Mancilla–Jimenez R, et al. **J Urol** 114(5):730–3, Nov 75
Male hermaphroditism with bilateral testes, well–formed Müllerian structures, and 45,X chromosome complement. Aimakhu VE, et al. **Obstet Gynecol** 48(1 Suppl):25S–28S, Jul 76
Changes in testis of guinea pig after vasectomy. Hutson JC, et al. **Urology** 7(3):287–91, Mar 76
Multinucleate spermatogenic cells by traumatic haemorrhagic suffusion in lizard testes. Del Conte E. **Virchows Archiv [Cell Pathol]** 18(4):297–305, 11 Sep 75
[Attempt at a standardized interpretation of testicular histopathology in male sterility] Vallette J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):495–512, Jun 76 (Eng. Abstr.) **(Fre)**
[Correlations between genital tract changes, total sperm count per ejaculate, and organ findings in bulls of the Artificial Insemination Center, Neuchatel. II. Statistical studies of sperm count and testicular changes in 159 Simmental bulls] Rossi GL, et al. **Schweiz Arch Tierheilkd** 117(8):425–37, Aug 75 (Eng. Abstr.) **(Ger)**
[Spermatological and histological findings in patients with varicocele (author's transl)] Weissbach L, et al. **Urologe [A]** 14(6):277–81, Nov 75 (Eng. Abstr.) **(Ger)**
[Diagnosis of male fertility disorders using Menghini's testicular aspiration biopsy] Hofmann W. **Z Urol Nephrol** 67(10):791–6, Oct 74 **(Ger)**
[Hereditary infertility in male white Chinese hamsters (Cricetulus griseus Milne Edwards 1867)] Geyer H, et al. **Z Versuchstierkd** 17(2):78–90, 1975 (Eng. Abstr.) **(Ger)**
[The diagnostic value of testicular biopsy in clinical andrology] Traub A, et al. **Orv Hetil** 117(14):830–2, 4 Apr 76 **(Hun)**
[Histological aspects of the testis in cases of normogenetic sterility] Martinazzi M. **Arch De Vecchi Anat Patol** 59(3):543–56, Apr 74 **(Ita)**
[Urinary estrogens and testicular morphology in rats with zinc deficiency] Saviano MS, et al. **Arch De Vecchi Anat Patol** 60(1):81–92, Aug 74 **(Ita)**
[Interstitial cells of the testis of cryptorchid horse cultivated in vitro] Lauria A, et al. **Riv Istochim Norm Patol** 18(1–4):132, 1974 **(Ita)**
[Role of the cytological study of puncture of the testis in the diagnosis of its diseases] Koriakina RF, et al. **Urol Nefrol (Mosk)** (4):47–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Intravital study of the hemato–testicular barrier in patients with false male hermaphroditism by the contact fluorescence microscopy method] Savitskiĭ GA. **Urol Nefrol (Mosk)** (4):62–3, Jul–Aug 75 **(Rus)**
[Hematopoiesis in the neonatal testicle] Herranz P, et al. **Rev Med Univ Navarra** 17(3):185–91, Sep 73 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Function of pituitary–gonadal axis in zinc–deficient rats. Lei KY, et al. **Am J Physiol** 230(6):1730–2, Jun 76
The effect of epididymal and testicular fluids on the fertilising capacity of testicular and epididymal spermatozoa. Cooper TG, et al. **Andrologia** 7(2):85–93, 1975
The ligation of the male reproductive organs and the role of the spermatic cyst. Kuwahara M, et al. **Andrologia** 7(1):1–14, 1975
Vasectomy: a long–term study of its effects on testicular endocrine function in man. Whitby M, et al. **Andrologia** 8(1):55–9, 1976
Effects of neonatal castration and testosterone injection on adult open–field behaviour in rats with atypical sex difference in defecation. Gray JA, et al. **Anim Behav** 23(4):773–8, Nov 75
Proccedings: Testicular activity in infants with sex chromosome abnormalities. Ratcliffe SG, et al. **Arch Dis Child** 50(5):404, May 75
Autonomic nerves versus prostaglandins in the control of rat and rabbit testicular capsular contractions in vivo and in vitro. Hargrove JL, et al. **Biol Reprod** 14(5):651–7, Jun 76
Intratubular hydrostatic pressure in testis and epididymis before and after long–term vasectomy in the guinea pig. Johnson AL, et al. **Biol Reprod** 14(4):371–6, May 76
Photoperiodic regulation of hamster testis: circadian sensitivity to the effects of light. Stetson MH, et al. **Biol Reprod** 13(3):329–39, Oct 75
Effect of prolonged exposure to nonstimulatory photoperiods on the activity of the neuroendocrine–testicular axis of golden hamsters. Turek FW, et al. **Biol Reprod** 13(4):475–81, Nov 75
Diencephalic dopamine receptors and regulation of pituitary–testicular system. Naumenko EV, et al. **Brain Res** 110(3):537–45, 16 Jul 76
Chemical (HCB) porphyria: effect of removal of sex organs in the rat. Grant DL, et al. **Bull Environ Contam Toxicol** 14(4):422–5, Oct 75
The function of fat bodies in relation to the hypothalamo–hypophyseal–gonadal axis in the frog, Rana esculenta. Chieffi G, et al. **Cell Tissue Res** 161(2):157–65, 18 Aug 75
The control of testicular function in the adult. Jeffcoate SL. **Clin Endocrinol Metabol** 4(3):521–43, Nov 75 (102 ref.)
The influence of photoperiod and temperature on seasonal testicular recrudescence in the red–sided garter snake (Thamnophis sirtalis parietalis). Hawley AW, et al. **Comp Biochem Physiol [A]** 53(2):215–21, 1976
A study of indoles which inhibit pineal antigonadotrophic activity in male hamsters. Reiter RJ, et al. **Endocr Res Commun** 2(3):299–308, 1975
LH–hCG receptors and testosterone content during differentiation of the testis in the rabbit embryo. Catt KJ, et al. **Endocrinology** 97(5):1157–65, Nov 75
Influence of adrenalectomy, castration, and light cycle on steroid hydroxylase activity in the adult male rat liver. Schafer SJ, et al. **Endocrinology** 97(5):1294–9, Nov 75
The effect of ligation of cauda epididymidis and vasectomy on testicular function in the adult gerbil (Meriones hurrianae). Dixit VP, et al. **Endokrinologie** 65(3):293–9, 1975
Frequency of the various stages of the seminiferous epithelium in different strains of male mice. Bianchi M, et al. **Experientia** 32(4):503–4, 15 Apr 76
The adrenal medulla–testicular relations in a ploceid. Ghosh A, et al. **Folia Biol (Krakow)** 23(1):39–43, 1975
The testicular cycle of a percoid teleost—Nandus nandus (Ham.). Raizada AK. **Gegenbaurs Morphol Jahrb** 121(1):77–87, 1975
Spermatogenesis in larval Ambystoma tigrinum: positive and negative interactions in FSH and testosterone. Moore FL. **Gen Comp Endocrinol** 26(4):525–33, Aug 75
The termination of the avian photorefractory period and the subsequent gonadal response. Turek FW. **Gen Comp Endocrinol** 26(4):562–4, Aug 75
Retinally perceived photoperiod does not influence subsequent testicular regression in house sparrows. Underwood H. **Gen Comp Endocrinol** 27(4):475–8, Dec 75
Effect of hormonal environment on sterol concentrations of rat aorta and plasma. Fuller GB, et al. **Horm Res** 6(1):2–11, 1975
Spermatogonial stem cells and their behavior in the seminiferous epithelium of rats and monkeys. pp. 273–86. Clermont Y, et al. **In: Cairnie AB, et al., ed. Stem cells of renewing cell populations. New York, Academic Press, 1976. QH 587 S824 1975.**
The effect of immunisation against gonadotrophins on the testis and male reproductive tract. pp. 167–86. Setchell BP, et al. **In: Edwards RG, Johnson MH, ed. Physiological effects of immunity against reproductive hormones. London, Cambridge Univ Press, 1976. W3 C162G v.3 1974.**
Short– and long–term rhythms in testicular function in the bull. pp. 447–56. Krzanowski M. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.**
Rhythms of the male hypothalamo–pituitary–testicular axis. pp. 427–45. Vermeulen A, et al. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.** (82 ref.)
Possible role of pituitary gonadotropin in the regulation of

neonatal testicular activity and sexual differentiation of the brain in the rat. pp. 136–43. Arai Y, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Proceedings: General discussion on spermatogenesis and sperm transfer. pp. 125–33.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Proceedings: General discussion on testicular function. pp. 213–20.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Pituitary–testis relationships: role of prolactin in the regulation of testicular function. pp. 136–52. Bartke A.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s. (100 ref.)

Regulation of hypothalamic–pituitary axis by testicular secretion. pp. 174–86. Lunenfeld B, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Regulation of testicular function. pp. 192–208. Verjans HL, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s. (54 ref.)

Effects of environmental factors and of antispermatogenic compounds on the human testis as reflected in seminal cytology. pp. 123–48. MacLeod J.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Regulation of gonadal function in the male by gonadotropins. pp. 531–44. Burger HG, et al.
In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.

Endocrine functions of the nude mouse. pp. 221–6. Ohsawa N, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Hormonal control of mammalian spermatogenesis. pp. 139–50. Steinberger A, et al.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (63 ref.)

Integration of gonadotrophin and steroid secretion, spermatogenesis and behaviour in the reproductive cycle of male pigeon species. pp. 51–89. Murton RK, et al.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974.

Serum LH concentration following castration, steroid hormone and gonadotropin releasing hormone treatment in the male bovine. McCarthy MS, et al. **J Anim Sci** 43(1):151–8, Jul 76

The synergistic action of alpha-melanocyte-stimulating hormone and testosterone of the sebaceous, prostate, preputial, Harderian and lachrymal glands, seminal vesicles and brown adipose tissue in the hypophysectomized-castrated rat. Ebling FJ, et al. **J Endocrinol** 66(3):407–12, Sep 75

Effects of castration and gonadal steroids on serum luteinizing hormone and prolactin in old and young rats. Shaar CJ, et al. **J Endocrinol** 66(1):45–51, Jul 75

Proceedings: Endocrine testicular function in adult and sub-adult rhesus monkeys, Macaca mulatta. Wickings EJ, et al. **J Endocrinol** 69(3):24P, Jun 76

Effects of seasonal and social factors on testicular activity and hormone levels in domestic pigeons. Haase E, et al. **J Exp Zool** 197(1):81–7, Jul 76

Pineal and serum melatonin at midday and midnight following pinealectomy or castration in male rats. Pang SF, et al. **J Exp Zool** 193(3):275–80, Sep 75

The microscopic anatomy of epidermal glands in two species of gekkonine lizards, with some observations on testicular activity. Chiu KW, et al. **J Morphol** 147(1):23–39, Sep 75

Quantitative changes in number of 'synaptic' ribbons in rat pinealocytes after orchidectomy and in organ culture. Karasek M. **J Neural Transm** 38(2):149–57, 1976

Influence of the adrenals and gonads on the plasma kininogen concentrations in male and female rats. Senior J, et al. **J Pharm Pharmacol** 27(12):953–5, Dec 75

Experimental studies on the annual cycles of thyroid and adrenocortical functions in relation to the reproductive cycle of drakes. Assenmacher I, et al. **J Physiol (Paris)** 70(5):507–20, Dec 75

Proceedings: Metabolic and ultrastructural changes in ejaculated spermatozoa induced by heating the testes of rams. Brown-Woodman PD, et al. **J Reprod Fertil** 46(2):501–2, Mar 76

Hypothalamus–pituitary–testis interaction. Franchimont P, et al. **J Reprod Fertil** 44(2):335–50, Aug 75 (48 ref.)

Duration of spermatogenesis in the vole (Microtus agrestis) and bank vole (Clethrionomys glareolus). Grocock CA, et al. **J Reprod Fertil** 47(1):133–5, May 76

Regulation of seminiferous tubular function by FSH and androgen. Hansson V, et al. **J Reprod Fertil** 44(2):363–75, Aug 75 (45 ref.)

The role of steroid hormones in the regulation of gonadotropin secretion. Mahesh VB, et al. **J Steroid Biochem** 6(6):1025–36, Jun 75

Active immunization with steroids as an approach to investigating testicular and adrenal feedback control. Nieschlag E, et al. **J Steroid Biochem** 6(3–4):537–40, Mar–Apr 75

The role of testicular sensitivity to gonadotropins in sexual maturation of the male rat. Odell WD, et al. **J Steroid Biochem** 6(6):853–7, Jun 75

Testicular inhibition of fetal Mullerian ducts in vitro: effect of dibutyryl cyclic AMP. Picon R. **Mol Cell Endocrinol** 4(1):35–42, Dec 75–Jan 76

Role of oestrogen receptor in androgen-induced sexual differentiation of the brain. Westley BR, et al. **Nature** 262(5567):407–8, 29 Jul 76

Testicular control of follicle-stimulating hormone secretion. Baker HW, et al. **Recent Prog Horm Res** 32:429–76, 1976 (117 ref.)

Qualitative and quantitative gonad-pituitary feedback. Bogdanove EM, et al. **Recent Prog Horm Res** 31:567–626, 1975 (107 ref.)

Avoidance and poke behavior in rats after gonadectomy and hormanal treatment. Manshio DT, et al. **Res Commun Chem Pathol Pharmacol** 12(3):473–80, Nov 75

Histochemically demonstrable changes in amylase activity in submaxillary salivary glands of puberal male mice following castration. Shear M, et al. **S Afr J Med Sci** 40(4):133–44, 1975

Androgen metabolism by rat epididymis. 3. Effect of castration and anti-androgens. Djoseland O. **Steroids** 27(1):47–64, Jan 76

Physiological role for androgen binding protein-steroid complex in testis? Rommerts FF, et al. **Steroids** 28(1):43–9, Jul 76

Androgen binding and transport in testis and epididymis. Ritzén EM, et al. **Vitam Horm** 33:283–95, 1975 (59 ref.)

[Endocrine activity of testis in European badger (Meles meles L.)] Audy C, et al. **Arch Biol (Liege)** 86(2):223–32, 1975 (Eng. Abstr.) **(Fre)**

[Role of the thyroid and gonads in determination of the annual weight cycle of the European hamster (Cricetus cricetus)] Canguilhem B. **Arch Sci Physiol (Paris)** 28(3):321–32, 1974 **(Fre)**

[The role of the gonads in the maturation of corticotropic function in rats] Manicy J, et al. **C R Acad Sci [D] (Paris)** 280(22):2575–8, 9 Jun 75 (Eng. Abstr.) **(Fre)**

[Association in organ culture of the hypophysis and glandular tissue of the testis of Gobius niger L.] Bonnin JP. **C R Soc Biol (Paris)** 169(4):920–3, 1975 (Eng. Abstr.) **(Fre)**

[Organotype culture of glandular tissue of the testis of Gabius niger L. Association with hypophysis] Bonnin PJ. **C R Soc Biol (Paris)** 169(3):548–52, 1975 (Eng. Abstr.) **(Fre)**

[Action of testicular graft on the ovary of chick embryo having undergone a partial decapitation] Rashedi M, et al. **C R Soc Biol (Paris)** 169(6):1464–6, 1975 (Eng. Abstr.) **(Fre)**

[How the circannual sexual cycle of the malefield vole is determined (author's transl)] Delost P, et al. **J Physiol (Paris)** 70(5):521–32, Dec 75 (Eng. Abstr.) **(Fre)**

[An experimental study of the influence of external factors on spermatogenesis and steroidogenesis of Nectophrynoides occidentalis Angel (author's transl)] Gavaud J. **J Physiol (Paris)** 70(5):549–59, Dec 75 (Eng. Abstr.) **(Fre)**

[The andropause: slander or calumny? The andropause] Franchimont P. **Rev Med Liege** 30(12):393–6, 15 Jun 75 **(Fre)**

[Studies on the endocrine and spermiogenic functions of testes. I. Relationship between the quality of dietary protein and testosterone content in testicular tissue of pubertal rats] Tönhardt H, et al. **Arch Exp Veterinaermed** 29(6):947–54, Dec 75 (Eng. Abstr.) **(Ger)**

[Exo- and endocrine testicular function in the aging man] Mauss J. **Fortschr Med** 93(31):1543–4, 6 Nov 75 **(Ger)**

[Different influence of the semicastration and of unilateral cryptorchism on the controlateral testis] Malatinský E. **Z Urol Nephrol** 68(10):745–9, Oct 75 **(Ger)**

[Proceedings: Voluntary contraction of the cremaster muscle of guinea pigs] Goto T, et al. **Jpn Arch Intern Med** 11(4):215–6, Dec 75 **(Jpn)**

[Studies on diurnal fluctuation and variation among days in the relative frequencies of the stages of the cycle of seminiferous epithelium in the mouse (author's transl)] Sung WK. **Jpn J Vet Sci** 38(1):49–57, Feb 76 (Eng. Abstr.) **(Jpn)**

[Interaction between the testis and prostate gland] Vartapetov BA, et al. **Probl Endokrinol (Mosk)** 21(5):113–7, Sep–Oct 75 **(Rus)**

[Regulation of spermatogenesis] Cheviakoff S. **Rev Chil Obstet Ginecol** 39(1):9–14, 1974 **(Spa)**

PHYSIOPATHOLOGY

Hypophyso-gonadal function in the cryptorchid child: differences between unilateral and bilateral cryptorchids. Cacciari, et al. **Acta Endocrinol (Kbh)** 83(1):182–9, Sep 76

Prolactin and the pituitary-gonadal axis in male uraemic patients on regular dialysis. Hagen C, et al. **Acta Endocrinol (Kbh)** 82(1):29–38, May 76

Endocrinological studies in undescended testes. Waaler PE. **Acta Paediatr Scand** 65(5):559–64, Sep 76

Further studies on sex hormones in male homosexuals. Doerr P, et al. **Arch Gen Psychiatry** 33(5):611–4, May 76

Thermoregulation of the human testis. Lazarus BA, et al. **Fertil Steril** 26(8):757–9, Aug 75

Hypothalamic-pituitary-gonadal function in men with cirrhosis of the liver. Mowat NA, et al. **Gut** 17(5):345–50, May 76

Study of the hypothalamo-pituitary-testicular function in patients with varicocele before and after operation. pp. 187–91. Comhaire FH.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Evaluation of male infertility by dynamic tests. pp 561–84. Lunenfeld B, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Basal pituitary-gonadal function in impotency evaluated by blood testosterone and LH assays. pp. 527–9. Legros JJ, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Effect of cytostatic drugs on human testicular function. pp. 423–40. Vilar O.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974. (24 ref.)

The testicular function efficiency determined by the spermatogenic activity test (SAT) in diabetic and alcoholic patients. pp. 371–6. Kolarov P, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Pituitary and testicular response to hypothalamic LH-releasing hormone (LH-RH) in normal and oligospermic men. Schwarzstein L, et al. **Int J Fertil** (2):96–102, 1976

Torsion of the spermatic cord. An Experimental Study. Jhunjhunwala JS, et al. **Invest Urol** 13(4):318–20, Jan 76

Hypothalamic-pituitary-gonadal function in patients with myotonic dystrophy. Febres F, et al. **J Clin Endocrinol Metab** 41(5):833–40, Nov 75

Time-dependent alterations in testicular function after experimental cryptorchism. Urry RL, et al. **Surg Forum** 26:574–6, 1975

[Function of the testis in patients with hypospadias in puberty] Pondělíčková J, et al. **Cas Lek Cesk** 114(24):725–7, 13 Jun 75 (Eng. Abstr.) **(Cze)**

[Significance of hormone-diagnosis in testicular tumors] Thiel U. **Z Urol Nephrol** 68(7):479–83, Jul 75 **(Ger)**

[Dynamic study of the diencephalo-hypophyseal-testicular axis in hypogonadism] Menchini GF, et al. **Folia Endocrinol (Roma)** 27(1):21–8, Feb 74 **(Ita)**

[Endocrine condition of the gonads in men with laryngeal cancer] Chizh GI, et al. **Vestn Otorinolaringol** (5):55–8, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Hypothalamic-pituitary-testicular system following testicular X-irradiATION. Verjans HL, et al. **Acta Endocrinol (Kbh)** 83(1):190–200, Sep 76

Effects of testicular radiation. Clubb B, et al. **Australas Radiol** 20(1):64–8, Mar 76

Response of the Sertoli cell and stem germ cell to 60Co gamma-radiation (dose and dose rate) in testes of immature rats. Erickson BH, et al. **Biol Reprod** 14(5):641–50, Jun 76

Proceedings: Histological changes of the organs of rats after chronic gamma irradiation. Unger E. **Br J Cancer** 32(6):768, Dec 75

Gonadic function in workmen with long-term exposure to microwaves. Lancranjan I, et al. **Health Phys** 29(3):381–3, Sep 75

Adenohypophysis and the male gonadal axis following partial body gamma - irradiation. pp. 361–9. Gupta GS.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Radiation effects on rat testes : on the mechanism of radio-protection by dopamine and FSH. Gupta GS. **Indian J Biochem Biophys** 12(2):187–9, Jun 75

Further evidence for inhibin: change in serum luteinizing hormone and follicle-stimulating hormone levels after x-irradiation of rat testis. Bain J, et al. **J Endocrinol** 66(2):279–80, Aug 75

Proceedings: Serum and pituitary gonadotrophins after destruction of germinal cells in the testis by X-irradiation or heat. Main SJ, et al. **J Endocrinol** 69(3):23P, Jun 76

Radiation effects on rat testes. V. Studies on lysosomal enzymes (acid phosphatase and acid DNAse) and their physiological significance following partial body gamma-irradiation. Gupta GS, et al. **J Reprod Fertil** 44(2):223–33, Aug 75

Radiation-induced DNA scissions and their rejoining in testicular cells of mouse. Ono T, et al. **Mutat Res** 36(2):213–222, Aug 76

Radiation effects on testes. VI. 5' nucleotidase and adenosine triphosphatase following partial body gamma irradiation. Gupta GS, et al. **Radiobiol Radiother (Berl)** 16(2):221–34, 1975 (Eng. Abstr.)

Gonadal shield. Purdy JA, et al. **Radiology** 117(1):226, Oct 75

Radiation effects on rat testes. IX. Studies on oxidative enzymes after partial body gamma irradiation. Gupta GS, et al. **Strahlentherapie** 150(2):158–61, Aug 75

[Principal 17-ketosteroid fractions and the microscopic appearance of the adrenal glands, the pituitary, and the testicles in guinea pigs exposed to radiation and protected

by neurotropic substances] Frenkel Z, et al. **Agressologie** 16(1):35–42, 1975 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Experimental lymphangiography. Experience with direct medium injection into the parenchyma of the rat testis and prostate. McCullough DL. **Invest Urol** 13(3):211–19, Nov 75

SECRETION

Infusions of hFSH and hLH in normal men. II. Serum testosterone response to infused hLH and hFSH. Kjeld JM, et al. **Acta Endocrinol (Kbh)** 81(2):234–42, Feb 76

Response of plasma testosterone, urinary 17–oxosteroids, oestrogens, and androsterone plus aetiocholanolone to human chorionic gonadotrophin in dexamethasone–suppressed men. Metcalf MG, et al. **Clin Endocrinol (Oxf)** 5(3):235–43, May 76

Age–related secretion of androstenedione, testosterone and dihydrotestosterone by the human testis. Giusti G, et al. **Exp Gerontol** 10(5):241–5, 1975

Rat ventral prostate tissue as a bioindicator for androgen secretion by fetal glands in various species. pp. 66–8. Zaaijer JJ.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Proceedings: Secretion of testosterone by components of the rat testis in vitro, and the effects of gonadotrophin stimulation. Bell JB, et al. **J Endocrinol** 67(2):11P–12P, Nov 75

Proceedings: Testosterone and progesterone secretion by adult rat testis interstitial cells in monolayer culture. Khatim MS, et al. **J Endocrinol** 69(3):19P–20P, Jun 76

Proceedings: In vitro measurement of the secretory rate in isolated seminiferous tubules of rats. Cheung YM, et al. **J Physiol (Lond)** 257(1):17P–18P, May 76

Proceedings: Effects of local testicular heating and rete testis fluid on plasma FSH and testosterone levels in male rats. Voglmayr JK, et al. **J Reprod Fertil** 46(2):497–8, Mar 76

[Testosterone in the peripheral blood of sheep with natural and experimental cryptorchidism, before and after suppression of adrenal function] Marovski S, et al. **Eksp Med Morfol** 13(2):101–4, 1974 (Eng. Abstr.) **(Bul)**

[Proceedings: Hormonal examination of pubertal problems] Ruffie A, et al. **Arch Fr Pediatr** 32(6):590–91, Jun–Jul 75 **(Fre)**

[Influence of spermatogenesis on testicular fluid secretion in adult rats] Laporte P, et al. **C R Acad Sci [D] (Paris)** 281(19):1397–1400, 10 Nov 75 **(Fre)**

[Secretion into the plasma of testosterone and estradiol 17 beta by the human testicle. Value of the study in male sterility] Salat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):217–26, Mar 75 **(Fre)**

[Stimulation of testicular secretion by chorionic gonadotrophin. Results in normal men and in hypogonadic patients] Mahoudeau JA, et al. **Nouv Presse Med** 5(12):767–70, 20 Mar 1976 (Eng. Abstr.) **(Fre)**

SURGERY

Testicular function after orchiopexy for unilaterally undescended testis. Lipshultz LI, et al. **N Engl J Med** 295(1):15–8, 1 Jul 76

Hydrocelectomy. Evaluation of technique. Gottesman JE. **Urology** 7(4):386–7, Apr 76

[A simple approach to the testis and its adnexa] Winninger AL. **Nouv Presse Med** 4(41):2942–3, 29 Nov 75 **(Fre)**

TRANSPLANTATION

Transplantation of interstitial cells of the testis: effect of implant site, graft mass and ischaemia. Boyle PF, et al. **Br J Urol** 47(7):891–8, 1975

Analysis of degeneration in tests of mice of the inbred strains KP and C57 after their transplantation into testes of F1 hybrids. Lorenc E. **Folia Biol (Krakow)** 23(3):203–10, 1975

Successful autotransplantation of an intra–abdominal testis to the scrotum by microvascular technique. Silber SJ, et al. **J Urol** 115(4):452–4, Apr 76

Angiogenesis about and within grafts of normal testicular tissue: a comparison with transplanted neoplastic tissue. Huseby RA, et al. **Microvasc Res** 10(3):396–413, Nov 75

[Evaluation of the degree of preservation of the processes of vital activity in a preserved testis] Saburova LM, et al. **Eksp Khir Anesteziol** (2):34–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Diagnosis of rejection crisis of testicular allotransplant] Kirpatovskii ID, et al. **Klin Khir** (10):43–6, Oct 75 **(Rus)**

ULTRASTRUCTURE

Tannic acid as an electron–dense probe in the testis. Aoki A, et al. **Am J Anat** 146(4):449–53, Aug 76

Fine structure of the testis and epididymis of rats treated with cyproterone acetate. Flickinger CJ, et al. **Am J Anat** 146(4):359–83, Aug 76

Postnatal differentiation of Leydig cells in the rabbit testis. Gondos B, et al. **Am J Anat** 145(2):167–81, Feb 76

Light cells within the limiting membrane of rat seminiferous tubules. Hermo L, et al. **Am J Anat** 145(4):467–83, Apr 76

Three–dimensional organization of testicular interstitial tissue and lymphatic space in the rat. Clark RV. **Anat Rec** 184(2):203–25, Feb 76

Cell association and surface features in cultures of juvenile rat seminiferous tubules. Eddy EM, et al. **Anat Rec** 185(3):333–58, Jul 76

Anchoring device between Sertoli cells and late spermatids in rat seminiferous tubules. Russell L, et al. **Anat Rec** 185(3):259–78, Jul 76

The ultrastructure of the canine testicular interstitial tissue. Connell CJ, et al. **Biol Reprod** 12(3):368–82, Apr 75

The peritubular tissue in the normal and pathological human testis. An ultrastructural study. de Kretser DM, et al. **Biol Reprod** 12(3):317–24, Apr 75

Fine structure of the rabbit testis after vasectomy. Flickinger CJ. **Biol Reprod** 13(1):61–7, Aug 75

Esterification of cholesterol by rabbit testicular mitochondria. Renston JP, et al. **Biol Reprod** 12(5):657–63, Jun 75

Designation of the cellular component of the peritubular boundary tissue of the seminiferous tubule in the testis of the fowl (Gallus domesticus). Rothwell B. **Br Poult Sci** 16(5):527–9, Sep 75

The Sertoli cell occluding junctions and gap junctions in mature and developing mammalian testis. Gilula NB, et al. **Dev Biol** 50(1):142–68, May 76

Somatic cell chromosome interconnections in trypan preparations of Chinese hamster testicular cells. Burdick AB. **Exp Cell Res** 99(2):425–8, May 76

Quantitative parameters for light microscopic assessment of the tubuli seminiferi. Weissbach L, et al. **Fertil Steril** 27(7):836–47, Jul 76

A scanning electron microscopic study of cultured cells prepared from rat seminiferous tubules. pp. 417–24. Tung PS, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Backscattered electron imaging of nuclei in rat testis. pp. 409–16. Vogel G, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

Interrrelations of cell types within the seminiferous epithelium and their implications for control of spermatogenesis. pp. 116–38. Fawcett DW.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973. (27 ref.)

The arrangement of germ cells in the rat seminiferous tubule: an electron–microscope study. Moens PB, et al. **J Cell Sci** 19(3):487–507, Dec 75

Testicular chromosomal mosaicism and infertility. Jones TM, et al. **J Clin Endocrinol Metab** 42(5):888–93, May 76

Single–strand nuclease action on heat–denatured spermiogenic chromatin. Hunter JD, et al. **J Histochem Cytochem** 24(8):901–7, Aug 76

The possibility of electron microscopic autoradiography of steroids after freeze drying of unfixed testes. Frederik PM, et al. **J Microsc (Oxf)** 106(2):209–19, Mar 76

Light and electron microscopic observations on the lymph vascular systems in the hamster testes. Seki M, et al. **Jpn J Vet Sci** 37(6):593–602, Dec 75

[Structural changes of the basement tubule membrane in the so–called Sertoli cell syndrome (author's transl)] Lüders G. **Arch Dermatol Res** 255(2):193–202, 21 Apr 76 **(Ger)**

[Ultramicroscopic studies on the seminiferous tubule in children from birth to puberty. I. Development and morphology of sertoli cells] Hadžiselimović F, et al. **Verh Anat Ges** 68:149–61, 1974 (Eng. Abstr.) **(Ger)**

[Ultramicroscopic studies on the seminiferous tubule in children from birth to puberty. I. Spermatogonia development] Seguchi H, et al. **Verh Anat Ges** 68:133–48, 1974 (Eng. Abstr.) **(Ger)**

[Adrenal–like Leydig cells (author's transl)] Mikuz G, et al. **Virchows Archiv [Cell Pathol]** 19(4):359–68, 19Dec 75 (Eng. Abstr.) **(Ger)**

[Morphology of peritubular structures of the seminiferous tubule in children. An electron microscopic study] Seguchi H, et al. **Z Mikrosk Anat Forsch** 88(6):1149–60, 1974 (Eng. Abstr.) **(Ger)**

[Studies on testicular function. Report 5. Electron microscopic studies on the changes of the peritubular wall of the human seminiferous tubules in hypospermatogenesis (author's transl)] Furuya S. **Jpn J Urol** 66(12):809–28, Dec 75 (Eng. Abstr.) **(Jpn)**

[Studies on testicular function. Report 6. Electron microscopic studies (Lanthanum–tracer and Freeze–etching method) on the blood–testis barrier in human testis (author's transl)] Furuya S. **Jpn J Urol** 66(12):829–55, Dec 75 (Eng. Abstr.) **(Jpn)**

TESTOLACTONE

THERAPEUTIC USE

Comparison of testosterone decanoate, drostanolone and testololactone in disseminated breast cancer—a randomized clinical study. Rieche K, et al. **Arch Geschwulstforsch** 45(5):485–8, 1975

Combined androgen and antimetabolite therapy of advanced female breast cancer. A report of the cooperative breast cancer group. Goldenberg IS, et al. **Cancer** 36(2):308–10, Aug 75

TESTOSTERONE

Isolation and characterization of the testosterone–estradiol–binding globulin from human plasma. Use of a novel affinity column. Rosner W, et al. **Biochemistry** 14(22):4813–20, 4 Nov 75

The paradoxical effect of fatty acid on steroid–albumin interaction. Ryan MT, et al. **Biochim Biophys Acta** 427(1):337–49, 18 Mar 76

Interaction of purified human transcortin with spin labelled steroids. Basset M, et al. **FEBS Lett** 60(2):364–8, 15 Dec 75

Influence of non–ionic surfactants on permeation of hydrocortisone, dexamethasone, testosterone and progesterone across cellulose acetate membrane. Barry BW, et al. **J Pharm Pharmacol** 28(3):219–27, Mar 76

Solubilization of hydrocortisone, dexamethasone, testosterone and progesterone by long–chain polyoxyethylene surfactants. Barry BW, et al. **J Pharm Pharmacol** 28(3):210–8, Mar 76

Solubilities of testosterone propionate and related esters in organic solvents. James KC, et al. **J Pharm Sci** 65(5):656–9, May 76

Effect of testosterone, sex and age on experimentally induced arterial thrombosis. Uzunova A, et al. **Nature** 261(5562):712–3, 24 Jun 76

Failure of intrahypothalamic implants of an estrogen antagonist, ethamoxytriphetol (MER–25), to block neonatal androgen–sterilization. Hayashi S. **Proc Soc Exp Biol Med** 152(3):389–92, Jul 76

Neuroendocrine effects of perinatal androgenization in the male ferret. Baum MJ, et al. **Prog Brain Res** 42:343–55, 1975

[Laryngeal changes induced by androgenic hormone in female white mice] Heinemann M. **Folia Phoniatr (Basel)** 26(6):461–70, 1974 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Activity and learning in neonatally hormone treated rats. Denti A, et al. **Acta Physiol Lat Am** 25(2):99–106, 1975

Effect of testosterone implants on serum gonadotropin concentrations in the male rat. Moger WH. **Biol Reprod** 14(5):665–9, Jun 76

Proceedings: Hormonal therapy with steroid–filled silastic rubber implants. Marberger H. **Br J Urol** 48(2):153–4, Apr 76

Topical testosterone therapy for penile growth. Jacobs SC, et al. **Urology** 6(6):708–10, Dec 75

[Histological and enzyme–histochemical studies on the aging of articular cartilage during testosterone administration in normal and hypophysectomized rats] Tarsoly E. **Verh Anat Ges** 69:403–11, 1975 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Testosterone. pp. 209–17.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (17 ref.)

ANALOGS & DERIVATIVES

Histological and histochemical studies on the female reproductive system of rose–ringed parakeet (Psittacula krameri) after testosterone propionate treatment. Sarker AK, et al. **Acta Histochem (Jena)** 53(1):136–42, 1975

Clinical and biochemical indications for the use of nerobol in complex treatment of retinal distrophy. Trutneva KV, et al. **Bull Ophthalmol Soc Egypt** 67:121–3, 1974

Homotypical sexual behavior in gonadectomized female and male rats treated with 5alpha–19–hydroxytestosterone: comparison with related androgens. Parrott RF. **Horm Behav** 7(2):207–15, Jun 76

The role of aromatization in androgen stimulation of gerbil scent marking. Yahr P. **Horm Behav** 7(2):259–65, Jun 76

Humoral immune responses characteristic of testosterone–propionate–treated chickens. Hirota Y, et al. **Immunology** 30(3):341–8, Mar 76

Failure of 19–hydroxylated androgens to inhibit compensatory ovarian hypertrophy in the rat. Parrott RF, et al. **J Endocrinol** 68(1):173, Jan 76

Proceedings: Influences of oestradiol benzoate and 19–hydroxytestosterone on inter–male fighting in castrated 'aggressive' mice. Poole AE, et al. **J Endocrinol** 67(2):48P–49P, Nov 75

Solubilities of testosterone propionate and related esters in organic solvents. James KC, et al. **J Pharm Sci** 65(5):656–9, May 76

11–Oxa and 17alpha–hydroxymethyl analogues of steroid hormones and their derivatives. Engel CR, et al. **J Steroid Biochem** 6(5):585–97, May 75

Ablaton: single intramuscular injection to suppress lactation. Kuah KB. **Med J Malaysia** 30(3):223–6, Mar 75

The metabolism of the epoxide of testosterone by human placental microsomes. Morand P, et al. **Steroids** 26(3):387–93, Sep 75

Synthesis of new steroid haptens for radioimmunoassay. Part I. 15beta–Carboxyethylmercaptotestosterone–bovine serum albumin conjugate. Measurement of testosterone in male plasma without chromatography. Narasimha Rao P, et al. **Steroids** 28(1):101–9, Jul 76

[Conservative treatment of prostatic adenoma] Gikov D, et al. **Khirurgiia (Sofiia)** 27(5):398–403, 1974 (Eng. Abstr.) **(Bul)**

[Changes in the biological activity of androgens after the

exposure of cockerels to lindane] Adamec O, et al. **Vet Med (Praha)** 20(7):433–4U, Jul 75 (Eng. Abstr.) **(Cze)**

[Proceedings: Influency of administration of testosterone propionate and diet on the hypertriglyceridemia and cholesterol by castrated rats of both sexes (author's transl)] Pottier C, et al. **Ann Endocrinol (Paris)** 36(6):385–6, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Controlled study of the therapeutic effect of B vitamins and an anabolic steroid in chronic hepatitis (author's transl)] Eberhardt G, et al. **Dtsch Med Wochenschr** 100(41):2074–82, 10 Oct 75 (Eng. Abstr.) **(Ger)**

[Synthetic experiments in the limonin-series III. Stereospecific alkoxy-and dialkoxy-alkylation of 19-hydroxy-testosterone acetate] Lüthy C, et al. **Helv Chim Acta** 58(4):1120–30, 4 Jun 75 (Eng. Abstr.) **(Ger)**

[Relationships between conformation of antigen and specificity of antibody in radioimmunoassay for steroid hormone. II. Synthesis of 6-hydroxytestosterone 6-hemisuccinate-bovine serum albumin conjugates (author's transl)] Sone H, et al. **J Pharm Soc Jpn** 96(2):199–202, Feb 76 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Effects of drying tritiated testosterone glucuronide and testosterone sulfate on counting efficiency. Darrow DC, et al. **Anal Biochem** 69(2):623–6, Dec 75

Spectrophotometric estimation of estradiol-17 beta, progesterone, and testosterone. Khayam-Bashi H. **Biochem Med** 14(1):104–8, Sep 75

Radioimmunoassay specificity and the 'first-come, first-served effect'. Pratt JJ, et al. **Clin Chim Acta** 68(1):87–90, 1 Apr 76

Testosterone and dihydrotestosterone concentrations in plasma, epididymal tissues, and seminal fluid of adult rats. Pujol A, et al. **Endocrinology** 98(1):111–3, Jan 76

Testosterone concentration in testicular venous blood of adult rats and seminal citric acid and fructose concentration as well as weight of accessory sex organs. Szymik N, et al. **Endokrinologie** 64(3):304–10, 1975

Testosterone in human saliva. Landman AD, et al. **Experientia** 32(7):940–1, 1976

Problems connected with steroid radioimmunoassay. pp 41–71. Crosignani PG, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Prediction of fetal sex in cattle by testosterone levels in allantoic fluid. Bongso TA, et al. **J Reprod Fertil** 46(2):441–2, Mar 76

The radioimmunoassay of steroid conjugates. Kellie AE. **J Steroid Biochem** 6(3–4):277–81, Mar–Apr 75

Hydroxyapatite – a reagent for the separation of free and antibody-bound steroid during the radioimmunoassay. Trafford DJ, et al. **Steroids** 27(3):405–22, Mar 76

[Testicular and plasma androgens in newborn, immature, adult and aging mice] Berger M, et al. **Arch Int Physiol Biochim** 83(2):239–53, May 75 **(Fre)**

[Plasma and testicular androgens during aging in guinea pigs] Rigaudière N. **C R Soc Biol (Paris)** 168(10–11–12):1319–23, 1974 (Eng. Abstr.) **(Fre)**

[Radioimmunological determination of unconjugated testosterone in the plasma and urine] Stahl F, et al. **Endokrinologie** 64(1):63–73, 1974 (Eng. Abstr.) **(Ger)**

[Gas chromatographic analysis of oil solutions of testosterone esters] Akalaev AN, et al. **Farmatsiia** 24(4):66–7, Jul–Aug 75 **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibitory effect of 5-hydroxytryptophane on the induction of persistent estrus by androgen in the rat. Shirama K, et al. **Endocrinol Jpn** 22(6):575–9, Dec 75

Blockade of testosterone-induced mounting behavior in the male rat with intracranial application of the aromatization inhibitor, androst-1,4,6,-triene-3,17-dione. Christensen LW, et al. **Endocrinology** 97(6):1545–51, Dec 75

Effects of Cannabis extract on the response of accessory sex organs of adult male mice to testosterone. Dixit VP, et al. **Indian J Physiol Pharmacol** 19(2):98–100, Apr–Jun 75

BIOSYNTHESIS

Pathways of testosterone synthesis in decapsulated testes of mice. de la Torre B, et al. **Acta Endocrinol (Kbh)** 81(1):170–84, Jan 76

Demonstration of a pituitary gonadotrophin hormone activity in the male foetal mouse. Pointis G, et al. **Acta Endocrinol (Kbh)** 83(1):158–65, Sep 76

Testosterone production by isolated rabbit follicles in the presence of luteinizing hormone and inhibitors of steroidogenic enzymes. YoungLai EV. **Acta Endocrinol (Kbh)** 82(3):637–43, Jul 76

Effect of protein-synthesis inhibitors on testosterone production in rat testis interstitial tissue and Leydig-cell preparations. Cooke BA, et al. **Biochem J** 150(3):413–8, Sep 75

Dependence of gonadotropin-induced steroidogenesis upon RNA and protein synthesis in the interstitial cells of the rat testis. Mendelson C, et al. **Biochim Biophys Acta** 411(2):222–30, 5 Dec 75

Müllerian-inhibiting activity of calf fetal testes: relationship to testosterone and protein synthesis. Josso N, et al. **Biol Reprod** 13(2):163–7, Sep 75

Testosterone synthesis in the bovine corpus luteum. Shemesh M, et al. **Biol Reprod** 13(4):490–3, Nov 75

Studies of in vitro steroid metabolism by testis tissue from 'complete' and 'incomplete' forms of testicular feminization. Bell JB. **Clin Endocrinol (Oxf)** 4(4):343–56, Jul 1975

Steroidogenesis in a virilizing ovarian tumour. Maschler I, et al. **Clin Endocrinol (Oxf)** 4(4):427–36, Jul 1975

Stimulation of testosterone production in isolated rabbit thecal tissue by LH/FSH, dibutyryl cyclic AMP, PGE2alpha, and PGE2. Erickson GF, et al. **Endocrinology** 99(2):452–8, Aug 76

The control of androgen synthesis in human fetal testicular cells in culture. pp. 247–54. Villee DB.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Androgen dependency of spermatogenesis and the physiological significance of steroid metabolism in vitro by the seminiferous tubules. pp 493–532. Lacy D.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972. (50 ref.)

Regulation of the production of testicular steroids. pp 459–91. van der Molen HJ, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Steroidogenesis in human testes. pp. 149–74. Steinberger E, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

Conversion of a C-20-deoxy-C21, steroid, 5-pregnen-3beta-ol, into testosterone by rat testicular microsomes. Hochberg RB, et al. **J Biol Chem** 251(11):3320–5, 10 Jun 76

Gonadotropin binding and stimulation of cyclic adenosine 3':5'-monophosphate and testosterone production in isolated Leydig cells. Mendelson C, et al. **J Biol Chem** 250(22):8818–23, 25 Nov 75

Proceedings: Testosterone synthesis and secretion by the rat adrenal cortex in vitro, and the effects of stimulation by trophic hormones. Vinson GP, et al. **J Endocrinol** 67(2):13P–14P, Nov 75

Regionally different steroid-biosynthesis within materno-fetal circulation units (placentones) of mature human placentas. Lehmann WD, et al. **J Perinat Med** 1(3):198–204, 1973

Effect of HCG on the interstitial cells and androgen production in the immature rat testis. Chemes HE, et al. **J Reprod Fertil** 46(2):279–82, Mar 76

Transient intermediates in steroidogenesis. Hochberg RB, et al. **J Steroid Biochem** 6(3–4):323–7, Mar–Apr 75

Maturational changes in testicular steroidogenesis: hormonal regulation of 5alpha-reductase. Nayfeh SN, et al. **J Steroid Biochem** 6(3–4):329–35, Mar–Apr 75

Endogenous steroid production in preparations of rat testis after long-term treatment with HCG. Van Der Vusse GJ, et al. **J Steroid Biochem** 6(3–4):357–9, Mar–Apr 75

Steroid sulphates in human adult testicular steroid synthesis. Vihko R, et al. **J Steroid Biochem** 6(3–4):353–6, Mar–Apr 75

Production of testosterone and corticosteroids by the rat adrenal gland incubated in vitro and the effects of stimulation with ACTH, LH and FSH. Vinson GP, et al. **J Steroid Biochem** 7(5):407–11, May 76

Compensatory testosterone secretion in unilaterally orchidectomized rats. Lindgren S, et al. **Life Sci** 18(11):1203–5, 1 Jun 76

Steroid synthesis by ovarian follicles in response to LH and PGF2alpha. Shemesh M, et al. **Proc Soc Exp Biol Med** 152(1):86–9, May 76

The in-vitro and in-vito effects of diethylstilbestrol on testicular synthesis of testosterone. Sholiton LJ, et al. **Steroids** 26(6):797–806, Dec 75

The synthesis of testosterone and estradiol-17beta by the gonads of neonatal rats in vitro. Smeaton TC, et al. **Steroids** 26(2):181–92, Aug 75

Comparative ability of rat seminiferous tubules, interstitium, and whole testes to utilize cholesterol-1,5-3H as a substrate for testosterone synthesis and the intratesticular distribution of cholesterol side-chain cleavage enzyme. Wisner JR Jr, et al. **Steroids** 26(6):769–83, Dec 75

Stimulation of testosterone production by isolated rabbit ovarian follicles in the presence of luteinizing hormone and phenylmethylsulfonyl fluoride. YoungLai EV. **Steroids** 26(4):502–6, Oct 75

Production of testosterone by prostate and other peripheral tissues in man. Lipsett MB. **Vitam Horm** 33:209–21, 1975 (43 ref.)

A study of biosynthesis of testosterone from dehydroepiandrosterone by human testicular tissues. Takenaka I, et al. **Yonago Acta Med** 17(3):240–5, Dec 73

[Androgens and regression of the Mullerian ducts in the male mammalian embryo(author's transl)] Weniger JP, et al. **Ann Endocrinol (Paris)** 36(1):13–20, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Metabolism of pregnenolone 16-3H and progesterone 4-14C by 18 day fetal mouse gonads in organotypic culture. Effect of the gonadotropic hormone LH] Pointis G, et al. **C R Acad Sci [D] (Paris)** 280(23):2685–8, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Sensitivity of embryonic mouse testis to luteinizing hormone, LH] Weniger JP, et al. **C R Acad Sci [D] (Paris)** 279(20):1629–31, 13 Nov 74 **(Fre)**

[Action of gonadotrophins and insulin on the production of testosterone by the testis of diabetic rats] Cattáneo de Peralta Ramos MO, et al. **Rev Soc Argent Biol** 48–49(1–8):48–60, Apr 72–Nov 73 (Eng. Abstr.) **(Spa)**

BLOOD

The effect of ACTH on plasma testosterone and androstenedione concentrations in patients with prostatic carcinoma. Cowley TH, et al. **Acta Endocrinol (Kbh)** 81(2):310–20, Feb 76

The effect of cyproterone acetate on the plasma gonadotrophin response to gonadotrophin releasing hormone. Donald RA, et al. **Acta Endocrinol (Kbh)** 1(4):680–4, Apr 76

Serum levels of unconjugated aetiocholanolone androstenedione, testosterone, dehydroepiandrosterone, aldosterone, progesterone and oestrogens during the normal menstrual cycle. Frölich M, et al. **Acta Endocrinol (Kbh)** 81(3):548–62, Mar 76

Prolactin and the pituitary-gonadal axis in male uraemic patients on regular dialysis. Hagen C, et al. **Acta Endocrinol (Kbh)** 82(1):29–38, May 76

Adrenal mediation of the effect of excess ACTH on testosterone levels in male: a study of a patient with probable ACTH secreting medullary thyroid carcinoma. Hajjar RA, et al. **Acta Endocrinol (Kbh)** 80(2):339–43, Oct 75

The effect of artificial cryptorchidism on serum oestrogen and testosterone levels in the adult male rat. Hall RW, et al. **Acta Endocrinol (Kbh)** 80(3):583–91, Nov 75

Oestrone, oestradiol and testosterone in normal and hypogonadal men following LH-RH or HCG stimulation. Kley HK, et al. **Acta Endocrinol (Kbh)** 81(3):616–22, Mar 76

Progesterone-binding globulin and testosterone-binding activity in guinea pig serum during pregnancy: relationship to progesterone and oestrogens. Lea OA, et al. **Acta Endocrinol (Kbh)** 81(2):367–78, Feb 76

Serum 5alpha-dihydrotestosterone and testosterone changes with age in man. Lewis JG, et al. **Acta Endocrinol (Kbh)** 82(2):444–8, Jun 76

Plasma testosterone levels in C57BL/6J male mice: effects of age and disease. Nelson JF, et al. **Acta Endocrinol (Kbh)** 80(4):744–52, Dec 75

Circannual and circadian rhythms in plasma testosterone in five healthy young Parisian males. Reinberg A, et al. **Acta Endocrinol (Kbh)** 80(4):732–4, Dec 75

Effect of synthetic gonadotrophin-releasing hormone (Gn-RH) on circulating luteinizing hormone (LH) and testosterone in young post-pubertal bulls. Thibier M. **Acta Endocrinol (Kbh)** 81(3):635–43, Mar 76

Diurnal testosterone and 17alpha-hydroxyprogesterone in peripheral plasma of young post-pubertal bulls. A study by frequent sampling. Thibier M. **Acta Endocrinol (Kbh)** 81(3):623–34, Mar 76

Variations in the concentration of testosterone in peripheral venous plasma from healthy women. Tyler JP, et al. **Acta Endocrinol (Kbh)** 80(3):542–50, Nov 75

Hypothalamic-pituitary-testicular system and adrenocortical function. Verjans HL, et al. **Acta Endocrinol (Kbh)** 81(1):198–207, Jan 76

The effect of maintenance haemodialysis and renal transplantation on the plasma testosterone levels of male patients in chronic renal failure. Zadeh JA, et al. **Acta Endocrinol (Kbh)** 80(3):577–82, Nov 75

[Basal values and circadian variations of testosterone, 17beta-oestradiol, FSH and LH in the plasma of normal adult males] De Aloysio D, et al. **Acta Eur Fertil** 6(1):73–88, Mar 75 **(Eng, Ita)**

The concentration of testosterone in serial samples of peripheral venous plasma from infertile women. Tyler JP, et al. **Acta Eur Fertil** 6(4):355–60, Dec 75

Serum luteinizing hormone and testosterone after sexual stimulation in male rabbits. Agmo A. **Acta Physiol Scand** 96(1):140–2, Jan 76

Plasma testosterone levels in healthy male marijuana smokers. Cushman P Jr. **Am J Drug Alcohol Abuse** 2(2):269–75, 1975

The effectiveness of two oral contraceptives in suppressing plasma androstenedione, testosterone, LH, and FSH, and in stimulating plasma testosterone-binding capacity in hirsute women. Givens JR, et al. **Am J Obstet Gynecol** 124(4):333–9, 15 Feb 76

Serum testosterone and estrogen concentrations in the Holstein-Friesian bull after successive ejaculations. Weathersbee PS, et al. **Am J Vet Res** 37(4):465–7, Apr 76

Plasmatic testosterone values in 105 Klinefelters. Raboch J, et al. **Andrologia** 7(1):77–83, 1975

Vasectomy: a long-term study of its effects on testicular endocrine function in man. Whitby M, et al. **Andrologia** 8(1):55–9, 1976

HCG stimulation test in children with abnormal sexual development. Grant DB, et al. **Arch Dis Child** 51(8):596–601, Aug 76

Multiple ejaculations during prolonged sexual tests and lack of resultant serum testosterone increases in Male Stumptail Macaques (M. arctoides). Goldfoot DA, et al. **Arch Sex Behav** 4(5):547–60, Sep 75

Orgasmic frequency and plasma testosterone levels in normal human males. Kraemer HC, et al. **Arch Sex Behav** 5(2):125–32, Mar 76

Plasma testosterone in male patients with sexual dysfunction. Raboch J, et al. **Arch Sex Behav** 4(5):541–5, Sep 75

The pituitary-testicular response to luteinising hormone releasing hormone administration to normal men. de Kretser DM, et al. **Aust NZ J Med** 5(3):227–30, Jun 75

Changes in plasma testosterone levels during the annual reproductive cycle of the hibernating bat, Myotis lucifugus lucifugus with a survey of plasma testosterone levels in adult male vertebrates. Gustafson AW, et al. **Biol Reprod** 15(1):9–24, Aug 76

Diurnal variation of plasma testosterone in wild stallions. Kirkpatrick JF, et al. **Biol Reprod** 15(1):98–101, Aug 76

Serum testosterone response to acute LH treatment in estradiol treated rats. Moger WH. **Biol Reprod** 14(2):115–7, Mar 76

Effects of age and season on sexual behavior and plasma testosterone and dihydrotestosterone concentrations of laboratory-housed male rhesus monkeys (Macaca mulatta). Robinson JA, et al. **Biol Reprod** 13(2):203–10, Sep 75

Effects of althesin anaesthesia and surgery on plasma concentrations of luteinizing hormone and testosterone in man. Oyama T, et al. **Br J Anaesth** 47(10):1093–6, Oct 75

Proceedings: Patterns of secretion and interrelationship testosterone and luteinizing hormone after surgical stress. Dudley HA, et al. **Br J Surg** 63(8):668, Aug 76

Proceedings: Plasma testosterone in prostatic disease. Marberger H. **Br J Urol** 48(2):151, Apr 76

Effects of one-stage or serial transections of the lateral olfactory tracts on behavior and plasma testosterone levels in male hamsters. Macrides F, et al. **Brain Res** 109(1):97–109, 4 Jun 76

Acute glutamate-induced elevations in serum testosterone and luteinizing hormone. Olney JW, et al. **Brain Res** 112(2):420–4, 13 Aug 76

Gonadotropin-induced proliferation of endoplasmic reticulum in an androgenic tumor and its relation to elevated plasma testosterone levels. Neaves WB. **Cancer Res** 35(10):2663–9, Oct 75

The ultrastructure of the cells of Leydig in the white-crowned sparrow (Zonotrichia leucophrys gambelii) in relation to plasma levels of luteinizing hormone and testosterone. Lam F, et al. **Cell Tissue Res** 169(1):93–109, 11 Jun 76

Simultaneous determination of five sex hormones in human serum by radioimmunoassay after chromatography on Lipidex-5000. Apter D, et al. **Clin Chem** 22(1):32–8, Jan 76

The HCG stimulation test in men with testicular disorders. de Kretser DM, et al. **Clin Endocrinol (Oxf)** 4(6):591–6, Nov 75

Plasma testosterone and prolactin in the menstrual cycle. Epstein MT, et al. **Clin Endocrinol (Oxf)** 4(5):531–5, Sep 75

Response of plasma testosterone, urinary 17-oxosteroids, oestrogens, and androsterone plus aetiocholanolone to human chorionic gonadotrophin in dexamethasone-suppressed men. Metcalf MG, et al. **Clin Endocrinol (Oxf)** 5(3):235–43, May 76

Hormonal studies in Klinefelter's syndrome. Wang C, et al. **Clin Endocrinol (Oxf)** 4(4):399–411, Jul 1975

Effects of acetylmethadol on plasma testosterone. Mendelson JH, et al. **Clin Pharmacol Ther** 19(3):371–4, Mar 76

Plasma testosterone and progresterone levels in adult East Africans. Gombe S, et al. **East Afr Med J** 53(1):43–6, Jan 76

Rapid chromatography for quantitation of radioimmunoassayable 5alpha-androstane-17beta-ol-3-one and testesterone in ram, bull and boar serum. Schanbacher BD. **Endocr Res Commun** 3(1):71–82, 1976

Plasma estradiol concentrations and effect of HCG on plasma estradiol and testosterone in normal subjects and patients with endocrine disorders. Ishimaru T. **Endocrinol Jpn** 22(4):287–96, Aug 75

Estimation of testosterone binding capacity in the serum with hydrophobie resin. Kawamoto H. **Endocrinol Jpn** 23(2):173–8, Apr 76

Prolactin restores plasma testosterone levels and stimulates testicular growth in hamsters exposed to short day-length. Bartke A, et al. **Endocrinology** 97(6):1601–4, Dec 75

Effects of morphine and methadone on serum testosterone and luteinizing hormone levels and on the secondary sex organs of the male rat. Cicero TJ, et al. **Endocrinology** 98(2):367–72, Feb 76

FSH stimulation of testicular androgen binding protein (ABP): comparison of ABP response and ovarian augmentation. Hansson V, et al. **Endocrinology** 97(2):469–73, Aug 75

Relation between individual differences in sexual behavior and plasma testosterone levels in the guinea pig. Harding CF, et al. **Endocrinology** 98(5):1198–205, May 76

Simultaneous determination of testosterone, 5alpha-androstan-17beta-ol-3-one, 5alpha-androstane-3alpha,17beta-diol and 5alpha-androstane-3beta,17beta-diol in plasma of adult male rabbits by radioimmunoassay(1). Schanbacher BD, et al. **Endocrinology** 97(4):787–92, Oct 75

Seasonal profiles of plasma luteinizing hormone, testosterone and estradiol in the ram. Schanbacher BD, et al. **Endocrinology** 99(3):752–7, Sep 76

Reproductive hormonal function in the genetically obese (ob/ob) mouse. Swerdloff RS, et al. **Endocrinology** 98(6):1359–64, Jun 76

Radioimmunoassay of serum LH and testosterone in male rabbits actively immunized against testosterone. Thorneycroft IH, et al. **Endocrinology** 97(2):301–6, Aug 75

Differences in the binding capacity for steroid hormones of sera from embryonic and adult rats. Desser-Wiest L, et al. **Endokrinologie** 64(1):33–8, 1974

Elevated free testosterone in the plasma of early pregnant women bearing male fetuses and of hypersexual men. Dörner G, et al. **Endokrinologie** 65(2):224–6, 1975

Radioimmunoassay of plasma testosterone without chromatography. Stahl F. **Endokrinologie** 65(3):288–92, 1975

Total and free testosterone in plasma of hypo- and agonadal men. Stahl F, et al. **Endokrinologie** 66(2):152–7, 1975

Mean 24-hour growth hormone and testosterone concentrations in relation to pubertal growth spurt in boys with normal or delayed puberty. Butenandt O, et al. **Eur J Pediatr** 122(2):85–92, 4 May 76

Effects of two kinds of social deprivation on testosterone and estradiol-17 beta plasma levels in the male rat. Dessi-Fulgheri F, et al. **Experientia** 32(1):114–5, 15 Jan 76

Circadian variation of serum testosterone in the adult male rat with a late morning acrophase. Wilson MJ, et al. **Experientia** 32(7):944–5, 1976

Plasma testosterone free index: a better indicator of plasma androgen activity? Clark AF, et al. **Fertil Steril** 26(10):1001–5, Oct 75

Elevated plasma testosterone and gonadotropin levels in infertile males with hyperthyroidism. Clyde HR, et al. **Fertil Steril** 27(6):662–6, Jun 76

Impaired Leydig cell reserve and altered serum androgen binding in the aging male. Hallberg MC, et al. **Fertil Steril** 27(7):812–4, Jul 76

Endocrine effects of vasectomy in man. Kobrinsky NL, et al. **Fertil Steril** 27(2):152–6, Feb 76

Pituitary-testicular axis in patients on lithium therapy. Sanchez RS, et al. **Fertil Steril** 27(6):667–9, Jun 76

An investigation of plasma hormone levels before and after vasectomy. Smith KD, et al. **Fertil Steril** 27(2):144–51, Feb 76

Pituitary and gonadal hormones in patients with varicocele. Swerdloff RS, et al. **Fertil Steril** 26(10):1006–12, Oct 75

Relationship between plasma testosterone and human seminal alkaline phosphatase. Dondero F, et al. **Folia Endocrinol (Roma)** 27(6pt2):718–23, Dec 74

Surgical stress: decrease in plasma testosterone levels due to hypersecretion of ACTH? Sorcini G, et al. **Folia Endocrinol (Roma)** 27(6pt2):685–95, Dec 74

Annual variation in reproductive behavior, testosterone, and plasma FSH levels in the Rouen duck, Anas platyrhynchos. Balthazart J, et al. **Gen Comp Endocrinol** 28(2):171–83, Feb 76

Steroids in the plasma of the winter flounder (Pseudopleuronectes americanus Walbaum). A seasonal study and investigation of steroids involvement in oocyte maturation. Campbell CM, et al. **Gen Comp Endocrinol** 29(1):14–20, May 76

Correlation between blood level of androgens and sexual behavior in male leopard frogs, Rana pipiens. Wada M, et al. **Gen Comp Endocrinol** 29(1):72–7, May 76

Plasma testosterone levels in the chick embryo. Woods JE, et al. **Gen Comp Endocrinol** 27(4):543–7, Dec 75

Plasma testosterone levels in cluster headache preliminary results. Kudrow L. **Headache** 16(1):28–31, Mar 76

Response to LH-RH and HCG in two brothers with the Reifenstein syndrome. Flatau E, et al. **Helv Paediatr Acta** 30(4–5):377–83, Jan 76

Seasonal rhythm in plasma testosterone levels in the rhesus monkey (Macaca mulatta): a three year study. Gordon TP, et al. **Horm Behav** 7(2):229–43, Jun 76

Alterations in plasma concentrations of testosterone, LH, and prolactin associated with mating in the male rat. Kamel F, et al. **Horm Behav** 6(3):277–88, Sep 75

LH, FSH and testosterone responses to prolonged infusion of GnRH in normal human males. Happ J, et al. **Horm Metab Res** 8(3):249–50, May 76

Effect of testosterone-estradiol-binding globulin in the enzymic oxidoreduction of 17-oxygenated c19 steroids. Hampl R, et al. **Horm Res** 6(1):57–64, 1975

Proceedings: Maturation of the adrenal androgen secretion during puberty. Sizonenko PC. **Horm Res** 6(5–6):297–9, 1975

The circadian rhythm in plasma testosterone concentration of man. pp. 137–52. Lincoln GA, et al. **In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.**

Circadian rhythm of plasma testosterone. pp. 117–36. Nieschlag E. **In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.**

Sex steroids in the circulation of the fetal and neonatal rhesus monkey: a comparison between male and female fetuses. pp. 195–204. Resko JA. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

Plasma testosterone levels and psychologic measures in men over a 2-month period. pp. 413–31. Doering CH, et al. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.**

Reproductive hormones, moods, and the menstrual cycle. pp. 455–66. Persky H. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.**

Patterns of LH, FSH and testosterone release stimulated by synthetic LRF in prepubertal, pubertal and adul' subjects, and in patients with gonadotropin deficiency and XO gonadal dysgenesis. pp. 236–46. Roth JC, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Regulation of testicular function. pp. 192–208. Verjans HL, et al. **In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.** (54 ref.)

Overview of diagnostic techniques in reproductive endocrinology. pp. 107–30. Skelley DS. **In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.** (108 ref.)

Determination of testosterone in peripheral and spermatic venous plasma by a competitive protein binding method. pp 105–19. Forti G, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

Determination of androgens in human plasma. pp 1–14. James VH, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

Gas chromatographic determination of plasma testosterone. pp 121–48. Kniewald Z, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

Methodologic considerations on the measurement of plasma androgens by competitive protein binding methods and radio-assays. pp 15–40. Serio M, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

The physical state of testosterone in plasma. pp 157–70. Vermeulen A. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.**

Basal pituitary-gonadal function in impotency evaluated by blood testosterone and LH assays. pp. 527–9. Legros JJ, et al. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

The polycystic ovary. I. Estradiol/testosterone ratio and the use of antiestrogens. Cortés-Gallegos V, et al. **Int J Fertil** 20(2):65–8, 1975

Estrogen-androgen levels in aging men and women: therapeutic considerations. Greenblatt RB, et al. **J Am Geriatr Soc** 24(4):173–8, Apr 76

Seasonal changes in serum testosterone in adult rams. Gomes WR, et al. **J Anim Sci** 41(5):1373–5, Nov 75

Serum LH and testosterone and sperm numbers in pubertal bulls chronically treated with gonadotropin releasing hormone. Monkonpunya K, et al. **J Anim Sci** 41(1):160–5, Jul 75

Variation of plasma testosterone in developing Friesian bulls. Secchiari P, et al. **J Anim Sci** 42(2):405–9, Feb 76

Effect of sulpiride-induced hyperprolactinemia on serum testosterone response to HCG in normal men. Ambrosi B, et al. **J Clin Endocrinol Metab** 43(3):700–3, Sep 76

Influence of surgical stress under general anesthesia on serum gonadotropin levels in male and female patients. Aono T, et al. **J Clin Endocrinol Metab** 42(1):144–8, Jan 76

Testosterone-estradiol-binding globulin in patients with Turner's syndrome: effects of estrogens and acute growth hormone administration. Bergink EW, et al. **J Clin Endocrinol Metab** 42(6):1018–23, Jun 76

Cortisol-induced suppression of plasma testosterone in normal adult males. Doerr P, et al. **J Clin Endocrinol Metab** 43(3):622–9, Sep 76

Pattern of plasma testosterone and delta4-androstenedione in normal newborns: Evidence for testicular activity at birth. Forest MG, et al. **J Clin Endocrinol Metab** 41(5):977–80, Nov 75

Altered blood androgens in elderly men with prostate hyperplasia. Horton R, et al. **J Clin Endocrinol Metab** 41(4):793–6, Oct 75

Obesity and oligomenorrhea are associated with hyperandrogenism independent of hirsutism. Hosseinian AH, et al. **J Clin Endocrinol Metab** 42(4):765–9, Apr 76

Pregnenolone, 17-OH-pregnenolone, and testosterone in plasma of patients with congenital adrenal hyperplasia. McKenna TJ, et al. **J Clin Endocrinol Metab** 42(5):918–25, May 76

Daytime titers of testosterone, LH, estrone, estradiol, and testosterone-binding protein: acute effects of LH and LH-releasing hormone in men. Nankin HR, et al. **J Clin Endocrinol Metab** 41(2):271–81, Aug 75

Circadian responsiveness of the hypothalamic-pituitary axis. Rastogi GK, et al. **J Clin Endocrinol Metab** 42(5):798–803, May 76

Prolactin-related testosterone secretion in normal adult men. Rubin RT, et al. **J Clin Endocrinol Metab** 42(1):112–6, Jan 76

Prolactin and testosterone: independent circulating levels in hyperprolactinemic and normoprolactinemic amenorrhea. The effect of prolactin suppression by bromocriptine. Seppälä M, et al. **J Clin Endocrinol Metab** 43(1):198–200,

Jul 76

Hormonal changes in puberty III: Correlation of plasma dehydroepiandrosterone, testosterone, FSH, and LH with stages of puberty and bone age in normal boys and girls and in patients with Addison's disease or hypogonadism or with premature or late adrenarche. Sizonenko PC, et al. **J Clin Endocrinol Metab** 41(5):894–904, Nov 75

Circannual cycle in plasma testosterone levels in man. Smals AG, et al. **J Clin Endocrinol Metab** 42(5):979–82, May 76

Effect of fluoxymesterone on the pituitary–gonadal axis: the role of testosterone–estradiol–binding globulin. Vigersky RA, et al. **J Clin Endocrinol Metab** 43(1):1–9, Jul 76

Pituitary–gonadal relations in infancy: 2. Patterns of serum gonadal steroid concentrations in man from birth to two years of age. Winter JS, et al. **J Clin Endocrinol Metab** 42(4):679–86, Apr 76

Proceedings: Disappearance rates of testosterone and androstenedione from the blood of guinea-pigs. Armitage G, et al. **J Endocrinol** 68(3):27P–28P, Mar 76

Proceedings: effect of cadmium administration in vivo on plasma testosterone and the ultrastructure of accessory sex organs of the rat. Chandler JA, et al. **J Endocrinol** 69(3):21P, Jun 76

Plasma luteinizing hormone and testosterone in the adult male pig: 24 hour fluctuations and the effect of copulation. Ellendorff F, et al. **J Endocrinol** 67(3):403–10, Dec 75

Proceedings: Effects of surgery on plasma testosterone, luteinizing hormone and follicle-stimulating hormone: a comparison of pre- and postoperative patterns of secretion. Evans PF, et al. **J Endocrinol** 69(3):25P, Jun 76

Effect of unilateral and bilateral castration and cryptorchidism on serum gonadotrophins in the rat. Gomes WR, et al. **J Endocrinol** 68(02):191–6, Feb 76

Levels of luteinizing hormone, follicle-stimulating hormone, testosterone and dihydrotestosterone in the circulation of sexually maturing intact male rats and after orchidectomy and experimental bilateral cryptorchidism. Gupta D, et al. **J Endocrinol** 66(2):183–93, Aug 75

Stimulation effect of prostaglandin F2ALPHA on the plasma concentration of testosterone in bulls. Haynes NB, et al. **J Endocrinol** 66(3):329–38, Sep 75

Proceedings: Radioimmunoassays for plasma norethisterone and testosterone using antisera raised against C-11 conjugated haptens and radio-iodinated ligands. Hillier SG, et al. **J Endocrinol** 67(2):5P–6P, Nov 75

Effect of luteinizing hormone releasing hormone on plasma levels of luteinizing hormone, oestradiol and testosterone in the male dog. Jones GE, et al. **J Endocrinol** 68(3):469–74, Mar 76

Proceedings: Age-related changes in serum 5alpha-dihydrotestosterone and testosterone in normal men. Lewis JG, et al. **J Endocrinol** 67(2):15P, Nov 75

Proceedings: Serum androgens in male and female Praomys (Mastomys) natelensis. Lewis JG, et al. **J Endocrinol** 68(3):27P, Mar 76

Increase in plasma testosterone concentrations after injection of adrenocorticotrophin into the boar. Liptrap RM, et al. **J Endocrinol** 66(1):123–31, Jul 75

Proceedings: Novel procedure for the simultaneous determination of testosterone and 5alpha-dihydrotestosterone concentrations in unpurified plasma extracts by radioimmunoassay. Llewelyn DE, et al. **J Endocrinol** 67(2):7P–8P, Nov 75

Serum testosterone and luteinizing hormone concentrations in castrated immature rats treated with testosterone. Moger WH. **J Endocrinol** 67(1):135–6, Oct 75

Endocrine changes in male sexual deviants after treatment with anti-androgens, oestrogens or tranquillizers. Murray MA, et al. **J Endocrinol** 67(2):179–88, Nov 75

Effects of sexual activity on luteinizing hormone and testosterone levels in the adult male rabbit. Younglai EV, et al. **J Endocrinol** 69(2):183–91, May 76

Acute reductions in serum testosterone levels by narcotics in the male rat: stereospecificity, blockade by naloxone and tolerance. Cicero TJ, et al. **J Pharmacol Exp Ther** 198(2):340–6, Aug 76

Effects of heroin and methadone on plasma cortisol and testosterone. Mendelson JH, et al. **J Pharmacol Exp Ther** 195(2):296–302, Nov 75

Proceedings: Circannual rhythms in plasma LH, FSH and testosterone and in the sexual activity of healthy young Parisian males. Lagoguey M, et al. **J Physiol (Lond)** 257(1):19P–20P, May 76

Studies on the effect of unilateral and bilateral castration on plasma testosterone and LH levels in the bull. Haynes NB, et al. **J Reprod Fertil** 46(2):471–3, Mar 76

The influence of feed restriction and subsequent re-feeding on gonadotrophin secretion and serum testosterone levels in male rats. Howland BE. **J Reprod Fertil** 44(3):429–36, Sep 75

Regulation of gonadotrophin secretion in rams from birth to sexual maturity. I. Plasma LH, FSH and testosterone levels. Lee VW, et al. **J Reprod Fertil** 46(1):1–6, Jan 76

Steroid-protein interactions in bovine plasma. Martin B, et al. **J Reprod Fertil** 46(1):143–9, Jan 76

Plasma testosterone levels in vasectomized rats. Mock EJ, et al. **J Reprod Fertil** 44(3):575–8, Sep 75

Plasma progesterone, androstenedione and testosterone concentrations in freemartin heifers. Saba N, et al. **J Reprod Fertil** 45(1):37–45, Oct 75

Long-term effect of HCG on plasma testosterone in bulls. Sundby A, et al. **J Reprod Fertil** 45(2):249–54, Nov 75

A paper chromatographic saturation analysis method for measuring estradiol, testosterone and 5alpha-dihydrotestosterone from the same sample. Carstensen H, et al. **J Steroid Biochem** 7(2):145–9, Feb 76

Role of adrenal steroids in the regulation of gonadotropin secretion at puberty. Collu R, et al. **J Steroid Biochem** 6(6):869–72, Jun 75

Plasma cortisol, testosterone, androstenedione and luteinizing hormone (LH) in a non-competitive marathon run. Dessypris A, et al. **J Steroid Biochem** 7(1):33–7, Jan 76

Simultaneous determination of androstenedione, testosterone and 5alpha-dihydrotestosterone in human spermatic and peripheral venous plasma. Fiorelli G, et al. **J Steroid Biochem** 7(2):113–6, Feb 76

Binding of steroids by plasma of a teleost: the rainbow trout, Salmo gairdnerii. Fostier A, et al. **J Steroid Biochem** 6(3–4):345–51, Mar–Apr 75

Binding of progesterone, oestradiol and testosterone to human A, C and S erythrocytes and haemoglobins. Ige RO, et al. **J Steroid Biochem** 6(8):1253–6, Aug 75

Plasma testosterone and serum lipids in male survivors of myocardial infarction. Poggi UL, et al. **J Steroid Biochem** 7(3):229–31, Mar 76

Studies of the relation of plasma androgen levels to androgen action in women. Rosenfield RL. **J Steroid Biochem** 6(5):695–702, May 75 (66 ref.)

Peripheral blood steroid concentrations in the preovulatory rabbit. Waterston JW 3d, et al. **J Steroid Biochem** 7(1):15–7, Jan 76

Endocrine studies in Sertoli-cell-only syndrome. Ishida H, et al. **J Urol** 116(1):56–8, Jul 76

Plasma follicle stimulating hormone, luteinizing hormone, testosterone, urinary 5-hydroxyindole acetic acid and 17-ketosteroids were measured in p Urry RL, et al. **J Urol** 116(3):322–3, Sep 76

Letter: Diazepam and plasma-testosterone levels. Argüelles AE, et al. **Lancet** 2(7935):607, 27 Sep 75

Circulating hormone concentrations in women with breast cancer. McFadyen IJ, et al. **Lancet** 1(7969):1100–2, 22 May 76

Circulating plasma testosterone in the XYY male. Pelzmann KS, et al. **Life Sci** 18(11):1207–12, 1 Jun 76

Serum testosterone, body composition, and strength of young adults. Fahey TD, et al. **Med Sci Sports** 8(1):31–4, Spr 76

Effect of constant light on nychthemeral variations in serum testosterone in male Macaca radiata. Mukku V, et al. **Nature** 260(5554):778–80, 29 Apr 76

Effects of an intraventricular injection of synthetic ACTH on plasma testosterone, progesterone and LH levels and on sexual behavior in male and female rabbits. Haun CK, et al. **Neuroendocrinology** 19(3):201–13, 1975

Serum testosterone and dihydrotestosterone in patients with trophoblastic disease. Dawood MY, et al. **Obstet Gynecol** 47(6):684–8, Jun 76

Gonadotropin and testosterone measurements after estrogen administration to adult men, prepubertal and pubertal boys, and men with hypogonadotropism: evidence for maturation of positive feedback in the male. Kulin HE, et al. **Pediatr Res** 10(1):46–51, Jan 76

Intracranial cycloheximide: effect on male mouse sexual behavior and plasma testosterone. Quadagno DM. **Pharmacol Biochem Behav** 4(2):185–9, Feb 76

Relationship of wheel-running activity to post-wheel running plasma testosterone and corticosterone levels: a behavior-genetic analysis. Eleftheriou BE, et al. **Physiol Behav** 16(4):431–8, Apr 76

Endocrine alterations in acute alcohol withdrawal syndrome. II. Cyclic AMP and testosterone plasma content. Dobrzański T. **Pol Arch Med Wewn** 55(5):427–32, May 76

Effect of coitus on serum levels of testosterone and LH in male and female rabbits. Hilliard J, et al. **Proc Soc Exp Biol Med** 149(4):1010–4, Sep 75

Increased blood LH and testosterone after administration of prostaglandin F2alpha in bulls. Kiser TE, et al. **Prostaglandins** 11(3):545–53, Mar 76

Negative affect and plasma testosterone: a longitudinal human study. Doering CH, et al. **Psychosom Med** 37(6):484–91, Nov–Dec 75

Plasma testosterone levels in the rapist. Rada RT, et al. **Psychosom Med** 38(4):257–68, Jul–Aug 76

Strange females increase plasma testosterone levels in male mice. Macrides F, et al. **Science** 189(4208):1104–6, 26 Sep 75

Evidence for episodic secretion of testosterone in laboratory mice. Bartke A, et al. **Steroids** 26(6):749–56, Dec 75

Synthesis of new steroid haptens for radioimmunoassay. Part I. 15beta-Carboxyethylmercaptotestosterone–bovine serum albumin conjugate. Measurement of testosterone in male plasma without chromatography. Narasimha Rao P, et al. **Steroids** 28(1):101–9, Jul 76

Testosterone production by XYY subjects. Sharma M, et al. **Steroids** 26(2):175–80, Aug 75

The determination of five steroids in avian plasma by radioimmunoassay and competitive protein-binding. Wingfield JC, et al. **Steroids** 26(3):311–21, Sep 75

Changes in plasma levels of LH, FSH and testosterone following the administration of synthetic luteinizing hormone-releasing hormone to cryptorchid patients. Matsuda S, et al. **Tohoku J Exp Med** 116(4):327–32, Aug 75

[Serum testosterone level in male alcoholics] Protich M, et al. **Vutr Boles** 14(3):78–81, 1975 (Eng. Abstr.) **(Bul)**

[Testosterone level in the plasma of boys with unilateral and bilateral eryptorchism during adolescence] Stárka L, et al. **Cesk Pediatr** 31(4):197–9, Apr 76 (Eng. Abstr.) **(Cze)**

[Proceedings: Lowering of plasma testosterone during orally induced hyperclycemia in normal and diabetic men. The effects of diurnal variations, water absorption, and LH] Cathelineau G, et al. **Ann Endocrinol (Paris)** 36(6):355–6, Nov–Dec 75 **(Fre)**

[Proceedings: Effects of metopirone on plasma androgens variations in women (author's transl)] Darsy P, et al. **Ann Endocrinol (Paris)** 36(1):46–8, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Annual and circadian rhythms in plasma testosterone of five healthy young male Parisians (author's transl)] Reinberg A, et al. **Ann Endocrinol (Paris)** 36(1):44–5, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Plasma estorgens and testosterone in the normal young girl before and during puberty] Toublanc JE, et al. **Arch Fr Pediatr** 32(10):941–55, Dec 75 (Eng. Abstr.) **(Fre)**

[Variations in blood testosterone levels of prepubertal foxes and during the seasonal genital cycle of the adult male fox (Vupes vulpes) in captivity] Joffre MM, et al. **C R Acad Sci [D] (Paris)** 281(12):819–21, 22 Sep 75 (Eng. Abstr.) **(Fre)**

[Quantitative variations in the plasma testosterone in male pigs, from birth to adult] Meusy-Dessolle N. **C R Acad Sci [D] (Paris)** 281(23):1875–8, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Relationship between testosterone binding proteins and testosterone and LH plasma concentrations in the young bull] Thibier M, et al. **C R Acad Sci [D] (Paris)** 281(12):827–30, 22 Sep 75 (Eng. Abstr.) **(Fre)**

[Effects of castration and H.C.G. injection on plasma testosterone levels in immature rabbits] Berger M, et al. **C R Soc Biol (Paris)** 168(10–11–12):1301–5, 1974 (Eng. Abstr.) **(Fre)**

[Relationship between the release of hypophyseal LH under the influence of LRH and the plasma testosterone level in women] Legros JJ, et al. **C R Soc Biol (Paris)** 169(6):1644–7, 1975 (Eng. Abstr.) **(Fre)**

[Blood LH, testosterone and prolactin levels in male lambs] pp. 157–9. Courot M.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974. (Eng. Abstr.) **(Fre)**

[Plasma androgens in normal and premature infants. Relation to hypothalamo-hypophyseal-gonadal axis maturation] pp. 315–35. Forest MG, et al.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974. (Eng. Abstr.) **(Fre)**

[Secretion into the plasma of testosterone and estradiol 17 beta by the human testicle. Value of the study in male sterility] Salat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):217–26, Mar 75 **(Fre)**

[Sexual side-effects of spironolactones. Possible mechanisms of their anti-androgen action] Corvol P, et al. **Nouv Presse Med** 5(11):691–4, 13 Mar 76 (Eng. Abstr.) **(Fre)**

[Luteinizing hormone and testosterone in the induced cycle in relation to the normal cycle] Gitsch E, et al. **Arch Gynaekol** 219(1–4):593–5, 18 Nov 75 **(Ger)**

[Testosterone-binding capacity, free-plasma testosterone fraction, and free-plasma testosterone concentration in andrological patients (author's transl)] Geisthövel W, et al. **Dtsch Med Wochenschr** 101(2):37–42, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[Androgen status of male diabetics. Total testosterone before and following stimulation with HCG, free testosterone, and testosterone binding capacity of patients with and without potency disorders] Geisthövel W, et al. **Med Klin** 70(36):1417–23, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[The significance of serum testosterone determination in the differential diagnosis of hypogonadism, late puberty, and the androgen-secreting tumors] Tharandt L, et al. **Med Welt** 27(8):385–6, 20 Feb 76 **(Ger)**

[Endocrinological results in a patient with testicular feminization (karyotype 46, XY) with special reference to basal and HCG-stimulated serum testosterone and dihydrotestosterone concentrations] Tharandt L, et al. **Verh Dtsch Ges Inn Med** 81:1546–9, 1975 **(Ger)**

[Localization of a small androgen-active ovarian tumor by catheterization of the femoral vein and selective vein/blood withdrawal with determination of testosterone in plasma] Groot-Wassink K, et al. **Zentralbl Gynaekol** 97(21):1304–9, 1975 (Eng. Abstr.) **(Ger)**

[Serum testosterone level in andrology patients] Sas M, et al. **Orv Hetil** 116(50):2939–42, 14 Dec 75 **(Hun)**

[Plasma androgen, (testosterone and androstenedione) levels in postmenopausal women] Sorcini G, et al. **Folia Endocrinol (Roma)** 27(6pt2):696–705, Dec 74 (Eng. Abstr.) **(Ita)**

[Changes of testosterone levels in the cluster headache syndrome. Preliminary study] Kudrow L. **Minerva Med** 67(28):1850–3, 2 Jun 76 (Eng. Abstr.) **(Ita)**

[Changes in blood testosterone levels of normal males in relation to age] Konno M, et al. **Clin Endocrinol (Tokyo)** 23(10):1013–9, Oct 75 **(Jpn)**

[Age-related changes of serum testosterone, estrogens, LH and FSH from birth to puberty, and sex differences in the maturation of hypophyseal-gonadal system in childhood] Koshimizu T, et al. **Clin Endocrinol (Tokyo)** 23(12):1239–47, Dec 75 **(Jpn)**

[Solid phase radioimmunoassay for plasma testosterone using plastic microtiter tray (author's transl)] Hosogi H. **Folia Endocrinol Jpn** 51(3):166–80, 20 Mar 75 (Eng. Abstr.)

(Jpn)

[A study on cryptorchidism. Report 1. Changes in plasma levels of FSH, LH and testosterone in cryptorchidism with loading of luteinizing hormone-releasing hormone (author's transl)] Matsuda S. **Jpn J Urol** 66(8):462–6, Aug 75 (Eng. Abstr.) **(Jpn)**

[Testosterone concentration and binding capacity of testosterone binding proteins in the blood of patients with testicular feminization] Oziębło L. **Endokrynol Pol** 27(2):167–74, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Effect of physical exercise on plasma cortisol, testosterone and growth hormone levels in weight lifters] Skierska E, et al. **Endokrynol Pol** 27(2):159–65, Mar–Apr 76 **(Pol)**

[Effect of 2,5 years of training on plasma testosterone level in young weight lifters] Ustupska J, et al. **Endokrynol Pol** 27(2):143–8, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Testosterone concentrations and testosterone transporting protein binding capacity in blood plasma samples from patients with gonadal dysgenesis] Boczkowski K, et al. **Ginekol Pol** 47(2):191–4, Feb 76 (Eng. Abstr.) **(Pol)**

[Dopamine receptors of the diencephalon associated with the endocrine function of the hypophyseal–testicular system] Naumenko EV, et al. **Probl Endokrinol (Mosk)** 21(6):53–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Blood proteins, thiol group metabolism and testosterone content in prostatic dysfunction] Novikova NV, et al. **Probl Endokrinol (Mosk)** 22(2):99–103, 1976 (Eng. Abstr.) **(Rus)**

[Plasma testosterone levels of diabetic men] Prikhozhan VM, et al. **Probl Endokrinol (Mosk)** 21(5):18–23, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of chlormandinone acetate upon seizures in epileptic children with latent signs of hyperandrogenism] Velasco M, et al. **Arch Invest Med (Mex)** 6(3):477–86, 1975 (Eng. Abstr.) **(Spa)**

[Serum levels of LH, FSH, testosterone and estradiol in normal men and women determined by radioimmunoassay] Ruiz-Knaack J, et al. **Rev Clin Esp** 139(2):123–30, 31 Oct 75 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

[Decrease in the reactivity of rats to androgen under conditions of alloxan diabetes] Vunder PA, et al. **Biull Eksp Biol Med** 79(5):47–8, May 75 **(Rus)**

[Gonadotropic hormone excretion in men with hypogonadism and its dynamics under the influence of exogenous testosterone] Demchenko AN, et al. **Probl Endokrinol (Mosk)** 21(5):46–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effects of active immunization with steroids on endocrine and reproductive functions in male animals. pp. 155–72. Nieschlag E, et al.
In: Nieschlag E, ed. Immunization with hormones in reproduction research. Amsterdam, North-Holland, 1975.

Stereochemical approach to increase the specificity of steroid antibodies. Bermúdez JA, et al. **J Steroid Biochem** 6(3–4):283–90, Mar–Apr 75

Effects of active immunisation against steroids upon circulating hormone concentrations. Hillier SG, et al. **J Steroid Biochem** 6(3–4):529–35, Mar–Apr 75

Active immunization with steroids as an approach to investigating testicular and adrenal feedback control. Nieschlag E, et al. **J Steroid Biochem** 6(3–4):537–40, Mar–Apr 75

[Effect of the conditions of coupling in testosterone–albumine conjugates on the quality of the antibodies produced in the rabbit] Forest MG. **Pathol Biol (Paris)** 23(10):869–71, Dec 75 (Eng. Abstr.) **(Fre)**

[Biological effects of passive immunization with anti-testosterone antibodies in immature and castrated rats and rats treated with testosterone propionate] Festa B, et al. **Boll Soc Ital Biol Sper** 52(3):90–6, 15 Feb 76 **(Ita)**

ISOLATION & PURIFICATION

Extraction of steroid diconjugates using Amberlite XAD-2 resin. Matsui M, et al. **J Chromatogr** 115(2):625–8, 24 Dec 75

METABOLISM

In vitro studies on enzymatic cleavage of steroid esters in the female organism. Bellmann O, et al. **Acta Endocrinol (Kbh)** 1(4):839–53, Apr 76

Effect of some synandrogens and antiandrogens on the conversion of testosterone to dihydrotestosterone in the cultured rat ventral prostate. Johansson R. **Acta Endocrinol (Kbh)** 81(2):398–408, Feb 76

Progesterone, oestradiol-17 beta and testosterone levels in the follicular fluid of tertiary follicles and Graafian follicles of human ovaries. Kemeter P, et al. **Acta Endocrinol (Kbh)** 80(4):686–704, Dec 75

Metabolism and mode of action of androgens in target tissues of male rats. V. Uptake and metabolism of cyproterone acetate and its influence on the uptake and metabolism of testosterone and 5alpha-dihydrotestosterone in target organs and peripheral tissues. Szalay R, et al. **Acta Endocrinol (Kbh)** 80(3):592–602, Nov 75

Steroid-binding proteins in carcinoma of the human male breast. Thompson EB, et al. **Am J Clin Pathol** 65(3):360–3, Mar 76

Testosterone metabolism in endometrial cancer. Calanog A, et al. **Am J Obstet Gynecol** 124(1):60–3, 1 Jan 76

Testosterone metabolism in the skin. A review of its function in androgenetic alopecia, acne vulgaris, and idiopathic hirsutism including recent studies with antiandrogens. Price VH. **Arch Dermatol** 111(11):1496–1502, Nov 75

Demonstration of an androgen receptor in rat pancreas. Pousette A. **Biochem J** 157(1):229–32, 1 Jul 76

The use of an antiandrogenic agent to distinguish between estrogen and androgen binding proteins in rat ventral prostate. O'Toole JH, et al. **Biochem Med** 14(3):297–304, Nov 75

Testosterone metabolism in superfused human hyperplastic prostate. Beastall GH. **Biochem Soc Trans** 3(5):677–80, 1975

In vitro conversion of testosterone to various metabolites by the teased testicular tissue of normal and posthypophysectomized regressed rats. Ahmad N, et al. **Biol Reprod** 14(5):561–5, Jun 76

Testosterone levels in early fetal testes of domestic pigs. Raeside JI, et al. **Biol Reprod** 13(3):318–21, Oct 75

Sterospecific tissue uptake and nuclear accumulation of testosterone in the development of the mouse erythropoietic spleen. Hadjian AJ, et al. **Blood** 47(4):571–80, Apr 76

Oestradiol synthesis from C19 steroids by human breast cancers. Miller WR, et al. **Br J Cancer** 33(1):116–8, Jan 76

In vitro effects of oestrogen on 5alpha reduction of testosterone in hormone-dependent rat mammary carcinomata. Miller WR. **Br J Cancer** 33(4):474–7, Apr 76

Relation of uptake and metabolism of (1,2,6,7–3H)testosterone to individual differences in sexual behavior in male guinea pigs. Harding CF, et al. **Brain Res** 105(1):137–49, 19 Mar 76

Testosterone metabolism in male rat epiphysis. Ackerman RJ Jr, et al. **Calcif Tissue Res** 20(1):31–40, 13 Apr 76

Androgen and estrogen binding in rat skeletal and perineal muscles. Dubé JY, et al. **Can J Biochem** 54(1):50–5, Jan 76

Testosterone metabolism in benign and malignant breast lesions. Rose LI, et al. **Cancer** 36(2):399–403, Aug 75

Hyperprolactinemia and steroid metabolism by rat mammary adenocarcinomas. Miller WR. **Cancer Res** 36(2 Pt 1):336–8, Feb 76

Androgen nuclear exchange activity in rat testis. Sanborn BM, et al. **Endocr Res Commun** 2(4–5):335–44, 1975

Binding of testosterone, dihydrotestosterone and progesterone to rat prostate cytosol: application of microcalorimetry. Zukovic B, et al. **Endocrinol Exp (Bratisl)** 10(2):119–24, Jun 76

Changes in (3H)leucine incorporation into pineal proteins following estradiol or testosterone administration: involvement of the sympathetic superior cervical ganglion. Cardinali DP, et al. **Endocrinology** 98(4):849–58, Apr 76

LH-hCG receptors and testosterone content during differentiation of the testis in the rabbit embryo. Catt KJ, et al. **Endocrinology** 97(5):1157–65, Nov 75

Synthesis of 17beta-estradiol by isolated ovarian tissues of the pregnant rat: aromatization in the corpus luteum. Elbaum DJ, et al. **Endocrinology** 99(2):573–9, Aug 76

Testosterone-binding protein in reproductive tracts of fetal rats. Gupta C, et al. **Endocrinology** 99(2):389–9, Aug 76

Uptake and conversion of progesterone and testosterone to 5alpha-reduced products by enriched gonadotropic and chromophobic rat anterior pituitary cell fractions. Lloyd RV, et al. **Endocrinology** 97(3):517–26, Sep 75

Studies on the transfer of steroid hormones across the blood–cerebrospinal fluid barrier in the Rhesus Monkey. Marynick SP, et al. **Endocrinology** 99(2):400–5, Aug 76

A receptor-like testosterone-binding protein in ovaries from estrogen-stimulated hypophysectomized immature female rats. Schreiber JR, et al. **Endocrinology** 98(5):1206–13, May 76

Further characterization of a rat ovarian testosterone receptor with evidence for nuclear translocation. Schreiber JR, et al. **Endocrinology** 99(2):590–6, Aug 76

Enzymatic oxidation and reduction of C19-delta5-3beta-hydroxysteroids by hepatic microsomes. V. Testosterone as a neonatal determinant in rats of the 7- and 16alpha-hydroxylation and reduction of 3beta-hydroxyandrost-5-en-17-one (DHA). Tabei T, et al. **Endocrinology** 97(2):418–24, Aug 75

Concerning the hormonal regulation of androgen binding protein in rat testis. Tindall DJ, et al. **Endocrinology** 99(3):809–18, Sep 76

Testosterone metabolism in rabbits actively immunized with testosterone. Wickings EJ, et al. **Endocrinology** 98(5):1142–6, May 76

Skeletal muscle leucine incorporation and testosterone uptake in exercised guinea pigs. McManus BM, et al. **Eur J Appl Physiol** 34(3):149–56, 15 Aug 75

Hydroxylation of testosterone at carbons 1, 2, 6, 7, 15 and 16 by the hepatic microsomal fraction from adult female C57BL/6J mice. Ford HC, et al. **Eur J Biochem** 57(1):9–14, 1 Sep 75

Metabolism of [4–14C] testosterone in the rat uterus in vitro. Hoffmann U, et al. **Eur J Biochem** 59(1):305–12, 1 Nov 75

Qualitative differences in testosterone metabolism as an indication of cellular heterogeneity in fibroblast monolayers derived from human preputial skin. Kaufman M, et al. **Exp Cell Res** 96(1):31–6, Nov 75

The effect of pesticides on hydroxylation of testosterone in hepatic microsomes of rabbits. Sato N, et al. **Experientia** 31(10):1193–4, 15 Oct 75

Age and seasonal differences in the synthesis and metabolism of testosterone by testicular tissue and pineal HIOMT activity of Uinta ground squirrels (Spermophilus armatus). Ellis LC, et al. **Gen Comp Endocrinol** 28(1):42–51, Jan 76

Biosynthesis and secretion of testosterone by adrenal tissue from the North American opossum, Didelphis virginiana, and the effects of tropic hormone stimulation. Vinson GP, et al. **Gen Comp Endocrinol** 27(2):214–22, Oct 75

Testosterone uptake by prostatic tissue from young and old rats. Ghanadian R, et al. **Gerontologia** 21(4):211–5, 1975

Impaired 3H-testosterone uptake and metabolism in the accessory sex glands of diabetic castrated male rats. Oksanen A, et al. **Horm Res** 6(3):157–68, 1975

The anatomical substrate of neuroendocrine regulation as defined by autoradiography with 3H-estradiol, 3H-testosterone, 3H-dihydrotestosterone and 3H-progesterone. pp. 46–56. Stumpf WE, et al.
In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 I6167n 1974.

Transport of steroid hormones. pp. 309–22. Vermeulen A.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974. (61 ref.)

Conversion of testosterone into 5 alpha-reduced metabolites in the anterior pituitary and in the brain of maturing rats. pp. 219–32. Massa R, et al.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Transport and tissue binding of androgens. pp. 600–15. Jung I, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Why some proteins bind steroid hormones: an experimental approach to an fundamental problem. pp. 650–7. Pearlman WH, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Does hormone transfer along the vasa deferentia contribute to the control of prostatic function and could it be a factor in the etiology of prostatic hyperplasia? pp. 517–29. Pierrepoint CG.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Testosterone metabolism in target tissue. Some comparative aspects. pp. 179–84. Stoa KF, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Some actions of prolactin on the metabolism of 3H-testosterone in prostate glands of the rat and dog in vitro. pp. 534–40. Thomas JA, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Proceedings: General discussion on testicular function. pp. 213–20.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Metabolism of testosterone in isolated germ cells of the ram. pp. 209–12. Barral I, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Feedback control of gonadotropin secretion in the male. pp. 162–73. Juneja HS, et al.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

Elements of a forward approach to the mechanism of androgen action. pp 149–56. Baulieu EE.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972. (36 ref.)

The metabolic clearance rate and the metabolism of testosterone. pp 181–93. Vermeulen A.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Interactions of steroid sex hormones with brain tissue: studies of uptake and physiological effects. pp. 5–22. Pfaff DW.
In: Segal SJ, et al., ed. The regulation of mammalian reproduction. Springfield, Ill., Thomas, 1973. W3 FO49 no.8 1973.

Target cells for gonadal steroids in the brain: studies on hormone binding and metabolism. pp. 111–21. Zigmond RE.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974. (45 ref.)

The influence of the progestogen gestonorone caproate on testosterone turnover in renal cell carcinoma. An in vitro study. Marberger M Jr, et al. **Invest Urol** 13(4):302–6, Jan 76

Human chorionic gonadotropin stimulation of Leydig cell function in puberty. Comparison of testosterone response in plasma and urine. Josefsberg Z, et al. **Isr J Med Sci** 12(2):139–45, Feb 76

Sex-specific occurrence of androgen receptors in rat brain. Gustafsson JA, et al. **J Biol Chem** 251(13):4047–54, 10 Jul

76
Hypothyroid-like alterations in testosterone metabolism in anorexia nervosa. Bradlow HL, et al. **J Clin Endocrinol Metab** 43(3):571-4, Sep 76
Influence of purified plasma proteins on testosterone uptake and metabolism by normal and hyperplastic human prostate in 'constant-flow organ culture'. Mercier-Bodard C, et al. **J Clin Endocrinol Metab** 43(2):374-86, Aug 76
Intratesticular site of aromatization in the human. Payne AH, et al. **J Clin Endocrinol Metab** 42(6):1081-7, Jun 76
Androgen-binding proteins in human benign prostatic hypertrophy. Rosen V, et al. **J Clin Endocrinol Metab** 41(4):761-70, Oct 75
The influence of age and sex on the metabolism of testosterone. Zumoff B, et al. **J Clin Endocrinol Metab** 42(4):703-6, Apr 76
Hormone concentrating cells in vocal control and other areas of the brain of the zebra finch (Poephila guttata). Arnold AP, et al. **J Comp Neurol** 165(4):487-511, 15 Feb 76
Autoradiographic localization of hormone-concentrating cells in the brain of an amphibian, Xenopus laevis. I. Testosterone. Kelley DB, et al. **J Comp Neurol** 164(1):47-59, 1 Nov 75
Proceedings: Metabolism and proliferative activity of testosterone. Alison MR, et al. **J Endocrinol** 67(2):8P-9P, Nov 75
An unusual pattern of testosterone metabolism in tissue associated with a keratin-filled cutaneous cyst. Hay JB, et al. **J Endocrinol** 67(2):267-73, Nov 75
Proceedings: Endocrine status and steroid metabolism in a transplanted rat mammary carcinoma. Miller WR, et al. **J Endocrinol** 69(3):51P-52P, Jun 76
Distribution of testosterone and 5alpha-dihydrotestosterone in rat epididymis and their concentrations in efferent duct fluid. Vreeburg JT. **J Endocrinol** 67(2):203-10, Nov 75
The effect of metabolites of testosterone on the development of fertilizing ability by spermatozoa in the epididymis of castrated hamsters. Lubicz-Nawrocki CM. **J Exp Zool** 197(1):89-95, Jul 76
In vitro metabolism of testosterone-4-14 C by canine salivary glands. Mosadomi A, et al. **J Oral Pathol** 5(1):33-41, Jan 76
Estimation of testosterone and androstenedione in the plasma and testes of cryptorchid offspring of mice treated with oestradiol during pregnancy. André JM, et al. **J Reprod Fertil** 44(2):235-47, Aug 75
Uptake, metabolism and binding of various androgens in human prostatic tissue: in vivo and in vitro studies. Becker H, et al. **J Steroid Biochem** 6(3-4):447-52, Mar-Apr 75
The influence of androgen receptors on the concentration of androgens in nuclei of hormone-responsive cells. Bruchovsky N, et al. **J Steroid Biochem** 6(5):551-60, May 75
Metabolism of testosterone and dihydrotestosterone in cultured rat hepatoma cells. de Moor P, et al. **J Steroid Biochem** 6(9):1363-70, Sep 75
In vitro metabolism of testosterone in the rat brain during sexual maturation-III. Studies of the formation of main androstane-diols and androstene-diols. Genot A, et al. **J Steroid Biochem** 6(8):1247-52, Aug 75
Sex steroid hormones during multiphase pubertal developments. Gupta D, et al. **J Steroid Biochem** 6(6):859-68, Jun 75
Androgen binding in rat uterus cytosol. Study of the specificity. Heyns W, et al. **J Steroid Biochem** 7(5):335-43, May 76
The transformation of testosterone by Tetrahymena pyriformis. Lamontagne NS, et al. **J Steroid Biochem** 7(3):177-83, Mar 76
Conversion of testerone into 5alpha-reduced metabolites in the anterior pituitary and in the brain of maturing rats. Massa R, et al. **J Steroid Biochem** 6(5):567-71, May 75
Testosterone and progesterone metabolism and their interaction in the human hyperplastic prostate. Morfin RF, et al. **J Steroid Biochem** 6(9):1347-52, Sep 75
The metabolism of androgens in central neuroendocrine tissues. Naftolin F, et al. **J Steroid Biochem** 6(6):993-7, Jun 75
Metabolism of testosterone in hypothalamus of male rat. Noma K, et al. **J Steroid Biochem** 6(8):1261-6, Aug 75
Formation, nuclear incorporation and enzymatic decomposition of androgen-receptor complex of rat prostate. Nozu K, et al. **J Steroid Biochem** 6(9):1319-23, Sep 75
The role of the androgen-binding nonhistone proteins in the transcription of prostatic chromatin. Nyberg LM, et al. **J Steroid Biochem** 7(4):267-73, Apr 76
Mode of action of progesterone, gestonorone capronate (Depostat) and cyproterone acetate (Androcur) on the metabolism of testosterone in human prostatic adenoma: in vitro and in vivo investigations. Orestano F, et al. **J Steroid Biochem** 6(6):845-51, Jun 75
In vitro studies on steroid metabolism of testicular tissue in ambisexual teleost fish. Reinboth R. **J Steroid Biochem** 6(3-4):341-4, Mar-Apr 75
Localization of intravenously administered [3H]-testosterone and its metabolites in the brain of the male rat: the absence of a major effect related to the time of day of the injection. Rezek DL, et al. **J Steroid Biochem** 6(7):1193-9, Jul 75
Androgen metabolism and concentration in the seminiferous tubules at different stages of development. Rivarola MA, et al. **J Steroid Biochem** 6(3-4):365-9, Mar-Apr 75
Steroid metabolism in foetal tissues--IV conversion of testosterone to 5alpha-dihydrotestosterone in human foetal brain. Schindler AE. **J Steroid Biochem** 7(2):97-100, Feb 76
Rhythms and testosterone metabolism. Southren AL, et al. **J Steroid Biochem** 6(5):809-13, May 75 (44 ref.)
Androgen metabolism in the hypertrophic prostate. Wilson JD, et al. **J Steroid Biochem** 6(3-4):443-5, Mar-Apr 75
Pituitary testicular relationship with adult male rabbit after experimental cryptorchidism. YoungLai EV, et al. **J Steroid Biochem** 7(2):151-2, Feb 76
Dynamics of steroid uptake in rat testis studied by quantitative autoradiography. Frederik PM, et al. **Mol Cell Endocrinol** 5(1-2):123-36, Jun-Jul 76
Impaired Sertoli cell function in experimental cryptorchidism in the rat. Hagenas L, et al. **Mol Cell Endocrinol** 4(1):25-34, Dec 75-Jan 76
Further characterization of the androgen receptor in rat testis. McLean WS, et al. **Mol Cell Endocrinol** 4(4):239-55, Mar 76
Some properties of androgen-binding activity in rat testis. Sanborn BM, et al. **Mol Cell Endocrinol** 3(2):129-42, Aug 75
Androgen-binding proteins in rat epididymis: properties of a cytoplasmic receptor for androgen similar to the androgen receptor in ventral prostate and different from androgen-binding protein (ABP). Tindall DJ, et al. **Mol Cell Endocrinol** 3(2):83-101, Aug 75
Effect of alcohol (ethanol) administration on sex-hormone metabolism in normal men. Gordon GG, et al. **N Engl J Med** 295(15):793-7, 7 Oct 76
Androgen-sensitive midbrain sites and visual attention in chicks. Meyer CC, et al. **Nature** 259(5545):689-90, 26 Feb 76
Immunological cross reactivity between testicular androgen-binding protein and serum testosterone-binding globulin. Weddington SC, et al. **Nature** 258(5532):257-9, 20 Nov 75
Accumulation of 3H-testosterone in nuclear and cytoplasmic fractions of rat brain during postnatal development. Farquhar MN, et al. **Neuroendocrinology** 20(2):136-50, 1976
Androgen- and estrogen-binding macromolecules in developing mouse brain: biochemical and genetic evidence. Fox TO. **Proc Natl Acad Sci USA** 72(11):4303-7, Nov 75
Metabolism of androstenedione and testosterone in human fetal brain. Schindler AE. **Prog Brain Res** 42:330, 1975
Prolonged ethanol consumption increases testosterone metabolism in the liver. Rubin E, et al. **Science** 191(4227):563-4, 13 Feb 76
In vivo metabolism of 3H-testosterone in adult male rats: effects of estrogen administration. Lee DK, et al. **Steroids** 26(1):137-47, Jul 75
The inhibition of the conversion of testosterone into 5alpha-dihydrotestosterone in the reproductive organs of the male rat. Saksena SK, et al. **Steroids** 27(6):751-7, Jun 76
The excretion of metabolites of testosterone and of estradiol in male patients with chronic renal failure. van Kammen E, et al. **Steroids** 26(4):508-15, Oct 75
Ammonium sulfate precipitation as a tool for the study of androgen receptor proteins in rat prostate and mouse kidney. Verhoeven G, et al. **Steroids** 26(2):149-67, Aug 75
Uptake and distribution of 3H testosterone in tissues of male Praomys (Mastomys) Natalensis: an in vivo and in vitro study on the prostate. Ghanadian R, et al. **Urol Res** 4(2):77-81, 23 Jul 76
Testosterone receptors in the prostate and other tissues. Verhoeven G, et al. **Vitam Horm** 33:265-81, 1975 (76 ref.)
Testosterone metabolism in streptomyces hydrogenans. Markert C, et al. **Z Naturforsch [C]** 30(2):266-70, Mar-Apr 75
[Testosterone in the peripheral blood of sheep with natural and experimental cryptorchidism, before and after suppression of adrenal function] Marovski S, et al. **Eksp Med Morfol** 13(2):101-4, 1974 (Eng. Abstr.) **(Bul)**
[Progesterone administered by percutaneous route: an antiandrogen locally useful (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 36(2):55-62, Mar-Apr 75 (Eng. Abstr.) **(Fre)**
[Proceedings: Ways of administration of androgens and trophicity of epididymal cells in rat (author's transl)] Pujol A, et al. **Ann Endocrinol (Paris)** 36(6):347-8, Nov-Dec 75 (Eng. Abstr.) **(Fre)**
[Testosterone metabolism in isolated cells of rat and ram seminiferous tubules] Tence M, et al. **Ann Endocrinol (Paris)** 36(4):213-4, Jul-Aug 75 (Eng. Abstr.) **(Fre)**
[Radioimmunoassay of testosterone in late fetal and newborn rabbit plasma, gonads and adrenal glands] Veyssiére G, et al. **Arch Int Physiol Biochim** 83(4):667-82, Oct 75 (Eng. Abstr.) **(Fre)**
[In vitro aromatization of testosterone by guinea pig placenta] Adessi G, et al. **Biochimie** 58(3):373-5, 1976 **(Fre)**
[Plasma and testicular levels of testosterone and androstenedione during puberty in guinea pigs] Robert A, et al. **C R Acad Sci [D] (Paris)** 281(9):555-8, 1 Sep 75 (Eng. Abstr.) **(Fre)**
[Metabolism of testosterone in rat Sertoli cells] Tence M, et al. **C R Acad Sci [D] (Paris)** 280(8):991-4, 24 Feb 75 (Eng. Abstr.) **(Fre)**
[Influence of sex on testosterone binding in newborn rat brain] Auroux M, et al. **C R Soc Biol (Paris)** 168(10-11-12):1177-82, 1974 (Eng. Abstr.) **(Fre)**
[An experimental study of the influence of external factors on spermatogenesis and steroidogenesis of Nectophrynoides occidentalis Angel (author's transl)] Gavaud J. **J Physiol (Paris)** 70(5):549-59, Dec 75 (Eng. Abstr.) **(Fre)**
[Studies on the endocrine and spermiogenic functions of testes. I. Relationship between the quality of dietary protein and testosterone content in testicular tissue of pubertal rats] Tönhardt H, et al. **Arch Exp Veterinaermed** 29(6):947-54, Dec 75 (Eng. Abstr.) **(Ger)**
[Endocrine and spermatogenic testicular function. 2. Correlations between food protein quality, testosterone level in testes, spermatogenesis and nuclear volume of interstitial cells of Leydig in the adult rat. Tönhardt H, et al. **Arch Exp Veterinaermed** 30(1):121-5, 1 Jan 76 (Eng. Abstr.) **(Ger)**
[Plasma-androgens following oral administration of testosterone. Influence of sex, age, and liver function (author's transl)] Nieschlag E, et al. **Dtsch Med Wochenschr** 100(36):1773-4, 1779-80, 5 Sep 75 (Eng. Abstr.) **(Ger)**
[The role of the hypophysis and the hypophyseal hormone prolactin in maintenance of the sexual specificity of the metabolism of testosterone and 5-alpha-dihydrotestosterone in rat liver slices] Schriefers H, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1535-43, Oct 75 **(Ger)**
[Sexually differentiated metabolism of testosterone in liver slices of mouse, and its alteration by a mutation in the X-chromosome that results in testicular feminization] Schriefers H, et al. **Hoppe Seylers Z Physiol Chem** 357(1):95-101, Jan 76 (Eng. Abstr.) **(Ger)**
[Steroid metabolism in the prostate] pp. 61-5. Horst HJ. **In: Senge T, et al., ed. Physiologie und Pathophysiologie der Prostata. Stuttgart, Thieme, 1975. WJ 750 A664p 1974.** (12 ref.) **(Ger)**
[The metabolism of delta4-3-oxosteroids in rat liver] Graef V, et al. **Z Klin Chem Klin Biochem** 13(8):333-9, Aug 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Testosterone metabolism in liver microsomes] Graef V, et al. **Z Klin Chem Klin Biochem** 13(8):374-5, Aug 75 **(Ger)**
[Inhibition of the uptake of labeled testosterone in the rat parotid gland with natural and synthetic anti-androgens] Mangoni C, et al. **Boll Soc Ital Biol Sper** 52(6):411-7, 30 Mar 76 **(Ita)**
[Metabolism of labeled testosterone in the rat parotid gland] Mangoni di S. Stefano. **Boll Soc Ital Biol Sper** 52(6):404-10, 30 Mar 76 **(Ita)**
[The rat parotid gland as a target organ for testosterone] Mangoni di S.Stefano C. **Boll Soc Ital Biol Sper** 52(6):397-403, 30 Mar 76 **(Ita)**
[Characteristics of testosterone-binding cytoplasmic components in the human endometrium and their interaction with chromatin] Iudaev NA, et al. **Biokhimiia** 40(6):1123-30, Nov-Dec 75 (Eng. Abstr.) **(Rus)**
[Absorption of testosterone-7 alpha-3H by tissues of organ-targets in male rat embryos] Ivanova EA. **Ontogenez** 6(6):554-62, 1975 (Eng. Abstr.) **(Rus)**
[Experimental studies on seborheric alopecia. III. Localization of testosterone receptors in human hairy follicles] Bassas E. **Med Cutan Iber Lat Am** 3(1):77-9, 1975 (Eng. Abstr.) **(Spa)**
[Experimental studies on seborrheic alopecia. II. Determination of the structural differences between testosterone transported cytosol protein of the bald and hairy areas] Bassas E. **Med Cutan Iber Lat Am** 3(1):73-6, 1975 **(Spa)**
[Testosterone metabolism in the livers of rats with alloxan diabetes] Demchenko VM, et al. **Fiziol Zh** 21(4):466-9, Jul-Sep 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Effect of testosterone propionate on the ultrastructure of the preputial gland in the rat. Nickerson PA, et al. **Acta Anat (Basel)** 94(4):481-9, 1976
Differences of the effects of testosterone propionate on the production of LH and FSH. Chowdhury M, et al. **Acta Endocrinol (Kbh)** 82(4):683-90, Aug 76
Body weight regulation in female rats following neonatal testosterone. Dubuc PU. **Acta Endocrinol (Kbh)** 81(1):215-24, Jan 76
RNA, protein and DNA synthesis stimulated by testosterone, insulin and prolactin in the rat ventral prostate cultured in chemically defined medium. Johansson R. **Acta Endocrinol (Kbh)** 80(4):761-74, Dec 75
Ultramorphometric studies of the adrenal cortex of adult rats after neonatal administration of sex steroids. Mäusle E, et al. **Acta Endocrinol (Kbh)** 81(3):537-47, Mar 76
Studies of human chorionic gonadotrophin in steroid-primed hypophysectomized rats. Mizejewski GJ. **Acta Endocrinol (Kbh)** 82(4):801-8, Aug 76
Effects of testosterone propionate treatment of neonatally ovariectomized rats on growth and subsequent responsiveness to oestrogen. Tarttelin MF, et al. **Acta Endocrinol (Kbh)** 82(3):652-60, Jul 76
The melanogenic response to testosterone in scrotal epidermis: effects on tyrosinase activity and protein synthesis. Wilson MJ, et al. **Acta Endocrinol (Kbh)** 81(2):435-48, Feb 76
Failure of testosterone and indomethacin to affect the LH response to synthetic LH-RH in normal men. Serra GB, et al. **Acta Eur Fertil** 6(4):381-7, Dec 75

Mechanism of androgen action on erythropoiesis. Azuma M. **Acta Haematol Jpn** 38(3):230–7, Jun 75

Specificity of hormonal responsiveness in vitro. Effect of sex steroids on non-malignant rat cells compared with the effect on cells from rat tumours. Aspegren K. **Acta Pathol Microbiol Scand [A]** 84(2):198–200, Mar 76

Effects of perinatal testosterone treatment on body weight, open field behavior and Lashley III maze performance of rats. Machado Magalhães H, et al. **Acta Physiol Lat Am** 24(4):317–27, 1974

Effects of testosterone on bone marrow erythroid cells of normal and nephrectomized rats. Malgor LA, et al. **Acta Physiol Lat Am** 25(3):179–87, 1975

Effects of testosterone and prolactin on rat prostatic weight, 5alpha-reductase, and arginase. Yamanaka H, et al. **Am J Physiol** 229(4):1102–9, Oct 75

Hormone effects on human mammary cancer in organ cultures. Aspegren K. **Am J Surg** 131(5):575–80, May 76

Evolution and taxonomy in the genus Brucella: steroid hormone induction of filterable forms with altered characteristics after reversion. Meyer ME. **Am J Vet Res** 37(2):207–10, Feb 76

Effect of androgen on different biochemical constituents of human semen. Roy S, et al. **Andrologia** 7(3):195–8, 1975

Effects of testosterone propionate on the social behaviour of groups of male comestic ducklings Anas platyrhynchos L. Balthazart J, et al. **Anim Behav** 23(4):926–31, Nov 75

Effects of neonatal castration and testosterone injection on adult open-field behaviour in rats with atypical sex difference in defecation. Gray JA, et al. **Anim Behav** 23(4):773–8, Nov 75

Neonatal androgen and mounting behaviour in female house mice. Holman SD. **Anim Behav** 24(1):135–40, Feb 76

Effects of steriod hormones on human fibroblasts in vitro. II. Antagonism by androgens of cortisol-induced inhibition. Harvey W, et al. **Ann Rheum Dis** 35(2):148–51, Apr 76

A clinical and experimental study of the effects of some anabolic steroids on hepatic structure and function. Perezagua-Clamagirand C, et al. **Arch Farmacol Toxicol** 1(1):77–82, Mar 75

Histological observations of inhibitory effect of testosterone on lymphoid regeneration in the thymus-independent areas of B mice. Kotani M, et al. **Arch Histol Jpn** 38(2):117–20, Aug 75

Inhibition of the ejaculatory reflex in B6D2F mice by testosterone propionate. McGill TE, et al. **Behav Biol** 16(3):373–8, Mar 76

Androgen dependency of the androgen receptor in rat epididymis. Calandra RS, et al. **Biochem Biophys Res Commun** 67(1):97–102, 3 Nov 75

Activity and androgenic control of glycolytic enzymes in the epididymis and epididymal spermatozoa of the rat. Brooks DE. **Biochem J** 156(3):527–37, 15 Jun 76

The androgenic regulation of prostate proteins with a high affinity for deoxyribonucleic acid. Evidence for a prostate deoxyribonucleic acid-unwinding protein. Mainwaring WIP, et al. **Biochem J** 156(2):253–64, 15 May 76

Induction of particle-bound renin and arginine esterase by testosterone in the mouse. Gecse A, et al. **Biochem Pharmacol** 25(7):763–8, 1 Apr 76

Relation of the pituitary gland to the actions of testosterone on hepatic ethylmorphine metabolism in rats. Kramer RE, et al. **Biochem Pharmacol** 24(22):2097–9, 15 Nov 75

Influence of sex and sexual hormones in the bradykinin-receptor interaction in the guinea pig ileum. Weinberg J, et al. **Biochem Pharmacol** 25(4):433–7, 15 Feb 76

Early androgen action in kidney of normal and androgen-insensitive (tfm/y) mice. Changes in RNA polymerase and chromatin template activities. Jänne O, et al. **Biochim Biophys Acta** 418(3):330–43, 5 Feb 76

Presence and androgen control of an alkaline phosphatase in the nucleus of rat ventral prostate. Wilson MJ, et al. **Biochim Biophys Acta** 429(2):439–47, 8 Apr 76

Developmental effects of neonatal sex hormones on spatial and activity skills in the white rat. Dawson JL, et al. **Biol Psychol** 3(3):213–29, Nov 75

Uterotrophic effects of testosterone and 5alpha-dihydrotestosterone in intact and ovariectomized immature female rats. Armstrong DT, et al. **Biol Reprod** 15(1):107–14, Aug 76

Action of testosterone, dihydrotestosterone and 5alpha androstane 3alpha, 17beta diol on the spermatogenesis of immature rats. Chemes HE, et al. **Biol Reprod** 14(3):332–8, Apr 76

Androgenization: alterations in uterine growth and morphology. Lobl RT, et al. **Biol Reprod** 13(3):255–68, Oct 75

The influence of androgenization on the tensile properties of the rat uterus. Lohl RT, et al. **Biol Reprod** 13(3):269–73, Oct 75

Effect of sex hormones on rabbit arterial subendothelial connective tissue. Gaynor E. **Blood Vessels** 12(3):161–5, 1975

Neonatal modification of endocrine functions and mammary carcinogenesis in the rat. Christakos S, et al. **Br J Cancer** 34(1):58–63, Jul 76

Human breast carcinomata in organ culture: the effect of hormones. Masters JR, et al. **Br J Cancer** 33(5):564–6, May 76

[3H]estradiol binding macromolecules in the hypothalamus and anterior pituitary of normal female, androgenized female and male rats. Maurer RA. **Brain Res** 67(1):175–7, 15 Feb 74

[3H]Estradiol binding macromolecules in the hypothalamus and anterior pituitary of normal female, androgenized female and male rats. Maurer RA. **Brain Res** 67(1):175–7, 15 Feb 74

Sex steroids and the development of the newborn mouse hypothalamus and preoptic area in vitro: implications for sexual differentiation. Toran-Allerand CD. **Brain Res** 106(2):407–12, 23 Apr 76

Effects of testosterone metabolites on serum gonadotropin concentrations in immature male rats. Moger WH. **Can J Physiol Pharmacol** 53(5):839–44, Oct 75

Maintenance of spermatogenesis and seminal vesicles in the hypophysectomized catfish, Heteropneustes fossilis (Bloch): effects of ovine and salmon gonadotropin, and testosterone. Nayyar SK, et al. **Can J Zool** 54(2):285–92, Feb 76

Cloned mouse mammary cell lines requiring androgens for growth in culture. Desmond WJ Jr, et al. **Cell** 8(1):79–86, May 76

Effect of a single administration of testosterone on the immune response and lymphoid tissues in mice. Fujii H, et al. **Cell Immunol** 20(2):315–26, Dec 75

A karyometric and stereologic study of the effects of gonadotrophin and testosterone on the interstitial gland of the testis of intact and endoxan treated rats. Fichna P, et al. **Cell Tissue Res** 164(3):411–24, 10 Dec 75

The effects of testosterone, 5alpha-dihydrotestosterone, 3alpha-androstanediol, and 3beta-androstanediol on epithelial fine structure of the rabbit epididymis in organ culture. Hoffman LH, et al. **Cell Tissue Res** 167(4):493–514, 9 Apr 76

The effects of testosterone, 5alpha-dihydrotestosterone, 3alpha-androstanediol, and 3beta-androstanediol on the maturation of rabbit epididymal spermatozoa in organ culture. Orgebin-Crist MC, et al. **Cell Tissue Res** 167(4):515–25, 9 Apr 76

Enzyme induction by oral testosterone. Johnson SG, et al. **Clin Pharmacol Ther** 20(2):233–7, Aug 76

Aggressive behavior of juvenile mice: influence of androgen and olfactory stimuli. Svare B, et al. **Dev Psychobiol** 8(5):405–15, Sep 75

Sex variation in the activities of mucosal hydrolytic enzymes in the small intestine of the rat. Hietanen E. **Digestion** 13(1-2):33–41, 1975 (Eng. Abstr.)

Sex steroids influence LH-RH-receptor interaction. Spona J. **Endocrinol Exp (Bratisl)** 9(3):167–76, Sep 75

Effect of sexual maturation and androgens on prostaglandin levels in tissues of the male reproductive system in mice. Badr FM. **Endocrinology** 98(6):1523–7, Jun 76

The prosence of estrogen receptor in kidneys from normal and androgen-insensitive tfm/y mice. Bullock LP, et al. **Endocrinology** 97(5):1106–11, Nov 75

The relationship between the rat of testosterone infusion and gonadotropin secretion. Hutchison JS, et al. **Endocrinology** 97(3):725–30, Sep 75

Effects of castration, testosterone, estradiol, and prolactin on specific prolactin-binding activity in ventral prostate of male rats. Kledzik GS, et al. **Endocrinology** 98(2):373–9, Feb 76

Sex hormones and tyrosine hydroxylase activity in vascular and adrenal tissue. Kohler C, et al. **Endocrinology** 97(5):1316–20, Nov 75

Effects of testosterone propionate or dihydrotestosterone propionate on plasma FSH and LH levels in neonatal rats and on sexual differentiation of the brain. Korenbrot CC, et al. **Endocrinology** 97(3):709–17, Sep 75

The effects of castration and treatment with testosterone on the biliary excretion of (3H)aldosterone in rats. Morris DJ, et al. **Endocrinology** 99(2):476–80, Aug 76

The effect of castration and testosterone replacement on specific proteins and androgen levels of the rat epididymis. Podestá EJ, et al. **Endocrinology** 97(2):399–405, Aug 75

A direct effect of testosterone on muscle cells in tissue culture. Powers ML, et al. **Endocrinology** 97(4):1043–7, Oct 75

Androgen induction of a specific uterine protein. Ruh TS, et al. **Endocrinology** 97(5):1144–50, Nov 75

Regulation of enzymes of serine and one-carbon metabolism by testosterone in rat prostate, liver, and kidney. Sanborn TA, et al. **Endocrinology** 97(4):1000–7, Oct 75

Androgen-uterine interaction: nuclear translocation of the estrogen receptor and induction of the synthesis of the uterine-induced protein (IP) by high concentrations of androgens in vitro but not in vivo. Schmidt WN, et al. **Endocrinology** 98(3):702–16, Mar 76

Enzymatic oxidation and reduction of C19-delta5-3beta-hydroxysteroids by hepatic microsomes. V. Testosterone as a neonatal determinant in rats of the 7- and 16alpha-hydroxylation and reduction of 3beta-hydroxyandrost-5-en-17-one (DHA). Tabei T, et al. **Endocrinology** 97(2):418–24, Aug 75

The influence of testosterone on brain cholesterol. Chakraborty S, et al. **Endokrinologie** 66(1):100–3, Sep 75

The effects of testosterone administered neonatally on the incorporation of 3H-leucine into protein by thyroid gland of rat: a neonatal priming. Dixit VP, et al. **Endokrinologie** 65(2):229–32, 1975

Contributions to the changes in the hypothalamo-pituitary--gonadal function in adrogen sterilized rats. Marton I, et al. **Endokrinologie** 63(3):409–14, 1974

Ovulation induced by the intraventricular infusion of norepinephrine in rats made anovulatory by neonatal administration of various doses of testosterone. Tima L, et al. **Endokrinologie** 66(2):218–20, 1975

Steroid-induced early protein synthesis in rat uterus and prostate. Pennequin P, et al. **Eur J Biochem** 60(1):137–45, 1 Dec 75

Effect of age and testosterone on the induction of hyperplastic nodules, carcinomas, and cirrhosis of the liver in rats ingesting n-2-fluorenyldiacetamide. Reuber MD. **Eur J Cancer** 12(2):137–41, Feb 76

Influence of castration and testosterone replacement on hypothalamic tyrosine hydroxylase activity in the rat. Beattie CW, et al. **Experientia** 32(8):1076–7, 15 Aug 76

Response of adnexal glands to testosterone stimulation in the normal adult male. Dondero F, et al. **Fertil Steril** 27(7):806–11, Jul 76

Influence of the H-2 system on the sensitivity of vesicular glands to testosterone hormone. Micková M, et al. **Folia Biol (Praha)** 21(6):435–6, 1975

Pituitary response to LH-RH stimulation after testosterone treatment in normal men. Garcea N, et al. **Folia Endocrinol (Roma)** 27(5):432–8, Oct 74

Hemopoietic response to male hormone in the chequered water-snake, Natrix piscator. Kaur RJ, et al. **Gen Comp Endocrinol** 27(2):203–8, Oct 75

Spermatogenesis in larval Ambystoma tigrinum: positive and negative interactions in FSH and testosterone. Moore FL. **Gen Comp Endocrinol** 26(4):525–33, Aug 75

Effects of gonadectomy, oestradiol and testosterone on the migrating river lamprey, Lampetra fluviatilis (L). Pickering AD. **Gen Comp Endocrinol** 28(4):473–80, Apr 76

Antigonadal and progonadal effects of testosterone in male house sparrows. Turek FW, et al. **Gen Comp Endocrinol** 28(4):395–402, Apr 76

Differential effects of the anti-estrogen MER-25 and of three 5alpha-reduced androgens on mounting and lordosis behavior in the rat. Baum MJ, et al. **Horm Behav** 7(1):87–104, Mar 76

A re-examination of the lordosis response in female rats given high doses of testosterone propionate or estradiol benzoate in the neonatal period. Brown-Grant K. **Horm Behav** 6(4):351–78, Dec 75

Differential sensitivity of mounting and lordosis control systems to early androgen treatment in male and female hamsters. Debold JF, et al. **Horm Behav** 6(2):197–209, Jun 75

Androgen-induced aggression in neonatally androgenized female mice: inhibition by progesterone. Erpino MJ. **Horm Behav** 6(2):149–57, Jun 75

Mounting behavior of female guinea pigs after prenatal and adult administration of the propionates of testosterone, dihydrotestosterone, and androstanediol. Goldfoot DA, et al. **Horm Behav** 6(2):139–48, Jun 75

Hormone effects on male sex behavior in adult South African clawed frogs, Xenopus laevis. Kelley DB, et al. **Horm Behav** 7(2):159–82, Jun 76

Hormones and social behavior in the lizard, Anolis carolinensis. Mason P, et al. **Horm Behav** 7(1):75–86, Mar 76

Homotypical sexual behavior in gonadectomized female and male rats treated with 5alpha-19-hydroxytestosterone: comparison with related androgens. Parrott RF. **Horm Behav** 7(2):207–15, Jun 76

Hormonal control of urine-marking in wild and domestic Norway rats. Price EO. **Horm Behav** 6(4):393–7, Dec 75

The role of testosterone in the organization, maintenance and activation of pup-killing behavior in the male rat. Rosenberg KM, et al. **Horm Behav** 6(2):173–9, Jun 75

Mounting behavior and lordosis behavior in castrated male rats treated with testosterone propionate, or with estradiol benzoate or dihydrotestosterone in combination with testosterone propinonate. Södersten P. **Horm Behav** 6(2):109–26, Jun 75

The effects of testosterone and estrogen on the rate of long-calling vocalization in juvenile laughing gulls, Larus atricilla. Terkel AS, et al. **Horm Behav** 7(1):49–57, Mar 76

The role of aromatization in androgen stimulation of gerbil scent marking. Yahr P. **Horm Behav** 7(2):259–65, Jun 76

Effect of hormonal environment on sterol concentrations of rat aorta and plasma. Fuller GB, et al. **Horm Res** 6(1):2–11, 1975

Further studies of the hypothalamo-hypophyseal-gonadal axis of the androgen-sterilized rat. pp. 339–56. Barraclough CA, et al.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

On 'critical periods' during the post-natal development of the rat. pp. 357–75. Brown-Grant K.
In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.

Prenatal testosterone in the nonhuman primate and its consequences for behavior. pp. 19–32. Phoenix CH.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973. (28 ref.)

Sexual behavior differentiation: prenatal hormonal and environmental control. pp. 3–17. Ward IL.
In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973. (57 ref.)

Prolactin on androgen mobilization. pp. 502–8. Farnsworth WE.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

The effect of hormones on rat prostatic epithelium in organ culture. pp. 29–54. Lasnitzki I.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Comments on the influence of testosterone on RNA metabolism in the rat ventral prostate. pp. 349–60. Mainwaring WI, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Hormonal regulation of RNA synthesis. pp. 201–21. Villee CA.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973. (51 ref.)

Studies on the LH and FSH releasing activity of the hypothalamic hormone,
pGlu–His–Trp–Ser–Tyr–Gly–Leu–Arg–Pro–Gly–NH2 (decapeptide), its analogs and other small peptides. pp. 68–88. Bowers CY, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Influence of testosterone on the concentration of hypotaurine and taurine in the reproductive tract of the male guinea pig, rat, and mouse. pp 327–34. Kochakian CD.
In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.

Human gonadotropin secretion in male subjects. pp 439–58. Franchimont P.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972. (24 ref.)

Feedback activity of testosterone and of its 5alpha–reduced metabolites. pp 431–8. Zanisi M, et al.
In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.

Role of sex steroids on LH and FSH secretion in the rat. pp. 191–209. Ferland L, et al.
In: Labrie F, et al., ed. Hypothalamus and endocrine functions. New York, Plenum Press, 1976. W1 CU82M v.3 1976. (35 ref.)

Sexual motivation in the neonatally androgen–treated female rat. pp. 443–8. Meyerson BJ, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Effect of testosterone on hematopoietic stem cells. pp. 91–7. Shirakura T, et al.
In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

In vitro steroidogenesis by the infantile rat ovary. pp 49–50. Quattropani S, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

The influence of gonadotropins on the organization of the brain. pp 103–16. Sheridan PJ, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

The effects of hormones on the skin temperature of normal and cancerous breasts. pp. 178–81. Mansfield CM, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Stimulation of cell proliferation by steroids. pp. 355–67. Smith JA, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Effect of testosterone on long–term organ cultures of canine prostate. Fischer TV, et al. **In Vitro** 12(5):382–92, May 76

Integration of gonadotrophin and steroid secretion, spermatogenesis and behaviour in the reproductive cycle of male pigeon species. pp. 51–89. Murton RK, et al.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974.

Effect of steroids on the spermatogenesis in the frog Rana hexadactyla lesson. Kasinathan S, et al.
Indian J Exp Biol 13(5):450–1, Sep 75

Effect of erythritol & sex hormones on the growth of Brucella species. Misra DS, et al. **Indian J Exp Biol** 14(1):65–6, Jan 76

Total protein of levator ani muscle as an index of anabolic activity. Mukherjee PK, et al. **Indian J Exp Biol** 13(5):500–1, Sep 75

Lack of effects of testosterone on norepinephrine turnover and tyrosine hydroxylase activity of the rat vas deferens and epididymis. Cardinali DP, et al. **Int J Fertil** (2):114–8, 1976

Organ culture of rodent prostate. Effects of polyamines and testosterone. Edwards WD, et al. **Invest Urol** 14(1):1–5, Jul 76

Effect of testosterone, dihydrotestosterone, estradiol, and prolactin on the weight and citric acid content of the lateral lobe of the rat prostate. Walvoord DJ, et al.
Invest Urol 14(1):60–5, Jul 76

Density–dependent regulation of proliferation rate in cultured, androgen–responsive, tumour cells. ROBINSON JH, et al. **J Cell Physiol** 89(1):111–22, Sep 76

Density regulation of amino acid transport in cultured, androgen–responsive tumour cells. Robinson JH.
J Cell Physiol 89(1):101–9, Sep 76

Density regulation of amino acid transport in cultured, androgen–responsive tumor cells Robinson JH.
J Cell Physiol 89(1):101–9, Sep 76

Familial incomplete virilization due to partial end organ insensitivity to androgens. Perez–Palacios G, et al.
J Clin Endocrinol Metab 41(5):946–52, Nov 75

Hormonal basis of sexual differentiation in the Japanese quail. Adkins EK. **J Comp Physiol Psychol** 89(1):61–71, Mar 75

Effects of testosterone propionate administered perinatally on sexual behavior of female ferrets. Baum MJ.
J Comp Physiol Psychol 90(4):399–410, Apr 76

Neonatal androgenic stimulation and adult sexual behavior in male and female golden hamsters. Johnson WA.
J Comp Physiol Psychol 89(5):433–41, Jul 75

Effects of olfactory bulb ablation and androgen on marking and agonistic behavior in male Mongolian gerbils (Meriones unguiculatus). Lumia AR, et al.
J Comp Physiol Psychol 89(9):1091–9, Nov 75

Role of estrogens in androgen–induced spontaneous activity in male rats. Roy EJ, et al. **J Comp Physiol Psychol** 89(6):573–9, Aug 75

Ultracytochemical and morphological studies of some phosphatases in the epithelial cells of the rat ventral prostate under various hormonal conditions. Okada K, et al. **J Electron Microsc (Tokyo)** 23(4):277–84, 1974

Behavioural responses to sex steroids of gonadectomized and sexually regressed quail. Adkins EK, et al. **J Endocrinol** 68(1):49–55, Jan 76

Sexual behaviour in castrated rabbits treated with testosterone, oestradiol, dihydrotestosterone or oestradiol in combination with dihydrotestosterone. Agmo A, et al.
J Endocrinol 67(3):327–32, Dec 75

Androgen–controlled specific proteins in rat epididymis. Cameo MS, et al. **J Endocrinol** 69(1):47–55, Apr 76

Proceedings: Effect of testosterone and cadmium on the rat lateral prostate in vitro. Chandler JA, et al.
J Endocrinol 69(3):22P, Jun 76

Effects of testosterone mediated or modulated by pituitary factors. De Moor P, et al. **J Endocrinol** 67(1):71–9, Oct 75

Uptake of (125I) iododeoxyuridine in cultured rat and human prostate: effects of insulin and testosterone. Donaldson LJ, et al. **J Endocrinol** 69(1):85–92, Apr 76

The synergistic action of alpha–melanocyte–stimulating hormone and testosterone of the sebaceous, prostate, preputial, Harderian and lachrymal glands, seminal vesicles and brown adipose tissue in the hypophysectomized–castrated rat. Ebling FJ, et al.
J Endocrinol 66(3):407–12, Sep 75

The effects of hypophysectomy and of bovine growth hormone on the responses to testosterone of prostate, preputial, Harderian and lachrymal glands and of brown adipose tissue in the rat. Ebling FJ, et al. **J Endocrinol** 66(3):401–6, Sep 75

Suppression of the development of female hamster behaviour by implants of testosterone and non–aromatizable androgens administered neonatally. Gerall AA, et al.
J Endocrinol 67(3):439–45, Dec 75

Enzyme activity in kidney, adrenal and gonadal tissue of rats treated neonatally with androgen or oestrogen. Ghraf R, et al. **J Endocrinol** 67(3):317–26, Dec 75

Inhibition of magnesium–induced mitogenesis by testosterone. Morgan JI, et al. **J Endocrinol** 67(1):133–4, Oct 75

A comparison of the effects of neonatally administered testosterone, testosterone propionate and dihydrotestosterone on aggressive and sexual behaviour in the female golden hamster. Payne AP. **J Endocrinol** 69(1):23–31, Apr 76

Effects of postnatal thyroxine administration on brain development, response to postnatal androgen and thyroid regulation in female rats. Phelps CP, et al. **J Endocrinol** 69(2):175–82, May 76

Effects of steroid hormones on developing mouse skin in vitro. Singh A, et al. **J Endocrinol** 66(2):195–205, Aug 75

Alteration of the critical period for induction of persistent oestrus by early postnatal treatment with gonadal steroids in neonatally cortisone–primed mice. Takasugi N, et al.
J Endocrinol 69(2):293–4, May 76

Proceedings: Ovarian follicular development in immature guinea–pigs treated with progesterone, testosterone or oestradiol from birth. ter Haar MB, et al. **J Endocrinol** 68(3):31P, Mar 76

Proceedings: The sebaceous gland response to alpha–melanocyte–stimulating hormone and testosterone. Thody AJ, et al. **J Endocrinol** 67(2):18P–19P, Nov 75

Serum gonadotrophins and follicular development in immature rats after early androgen administration. Utilenbroek J TH, et al. **J Endocrinol** 68(3):461–8, Mar 76

The effect of metabolites of testosterone on the development of fertilizing ability by spermatozoa in the epididymis of castrated hamsters. Lubicz–Nawrocki CM. **J Exp Zool** 197(1):89–95, Jul 76

Cell proliferation in the prostate complex of the castrate mouse. Alison MR, et al. **J Microsc (Oxf)** 106(2):221–37, Mar 76

Elevation of sympathetic ganglion tyrosine hydroxylase activity in neonatal and adult rats by testosterone treatment. Dibner MD, et al. **J Neurochem** 27(1):323–4, Jul 76

Regulation of nerve growth factor synthesis in mouse submaxillary glands by testosterone. Ishii DN, et al.
J Neurochem 25(6):843–51, Dec 75

Testosterone–induced changes of choline acetyl–transferase and cholinesterase activities in rat levator ani muscle. Tuček S, et al. **J Neurol Sci** 27(3):353–62, Mar 76

Effects of castration, testosterone and immobilization on the activities of choline acetyltransferase and cholinesterase in rat limb muscles. Tuček S, et al. **J Neurol Sci** 27(3):363–72, Mar 76

Testosterone treatment of excessively tall boys. Zachmann M, et al. **J Pediatr** 88(1):116–23, Jan 76

Effect of gonadotrophins and testosterone on the seminiferous tubules of the immature rat. Chemes HE, et al. **J Reprod Fertil** 46(2):283–8, Mar 76

Effects of prostaglandin F–2 alpha and indomethacin on the response of the accessory sex glands of male rats to testosterone. Joseph MM, et al. **J Reprod Fertil** 47(1):93–4, May 76

Sensitivity of seminal vesicles to androgen stimulation during puberty in mice: effect of treatment duration. McKinney TD. **J Reprod Fertil** 47(1):115–6, May 76

Sensitivity to androgen and the immune response: immunoglobulin levels in two strains of mice, one with high and one with low target organ responses to androgen. Cohn DA, et al. **J Reticuloendothel Soc** 20(1):1–10, Jul 76

The influence of testosterone on the synthesis and degradation rate of various RNA species in the mouse kidney. Avdalovič N, et al. **J Sports Med** 1(4):299–307, 1973

A light and electron microscopic study of effects of testosterone on rabbit Achilles tendon. Postacchini F, et al. **J Sports Med Phys Fitness** 15(3):229–42, Sep 75

Exposure of neonatal mice to steroids: longterm effects on the mammary gland and other reproductive structures. Bern HA, et al. **J Steroid Biochem** 6(5):673–6, May 75

Androgen action in the rat ventral prostate: effect of castration and testosterone treatment on polyribosomes. Johnsonbaugh RE, et al. **J Steroid Biochem** 7(2):73–9, Feb 76

Local effects of topically applied steroids. Place V, et al.
J Steroid Biochem 6(5):717–22, May 75 (36 ref.)

Biotransformation, sex hormones, and toxicity of two volatile anesthetics in mice. Cascorbi HF, et al.
J Toxicol Environ Health 1(5):839–42, May 76

Proceedings: Prophylactic trials for stroke in stroke–prone SHR: effect of sex hormones. Yamori Y, et al.
Jpn Heart J 17(3):404–6, May 76

Control of pituitary functions of synthesis and release of prolactin and growth hormone by gonadal steroids in female and male rats. Yamamoto K, et al.
Jpn J Physiol 25(5):645–58, 1975

Anabolic steroids: permissive agents of ACTH–induced penile erections in rats. Bertolini A, et al. **Life Sci** 17(2):263–6, 15 Jul 75

A possible effect of testosterone on the adenosine 3'–5' cyclic monophosphate levels in rat cerebral cortex. A brief note. Zimmerman ID, et al. **Mech Ageing Dev** 4(3–4):215–9, May–Aug 75

Androgen–dependent accumulation of carnitine by rat epididymis after injection of [3H]butyrobetaine in vivo. Bohmer T, et al. **Mol Cell Endocrinol** 3(2):103–15, Aug 75

Neonatal androgenization: effects of responsiveness of ovarian alkaline phosphatase to gonadotropins. Bramley TA. **Mol Cell Endocrinol** 4(3):151–5, Feb 76

Glycoprotein glycosyltransferases in male reproductive organs and their hormonal regulation. Reddy PR, et al.
Mol Cell Endocrinol 5(1–2):23–31, Jun–Jul 76

Failure to observe testosterone–induced nucleus–lysosome interaction in rat ventral prostate. Sepsenwol S, et al.
Mol Cell Endocrinol 4(2):115–29, Jan 76

Biphasic effect of testosterone propionate on Sertoli cell secretory function. Weddington SC, et al.
Mol Cell Endocrinol 5(1–2):137–45, Jun–Jul 76

Normal spermatozoa from androgen–resistant germ cells of chimaeric mice and the role of androgen in spermatogenesis. Lyon MF, et al. **Nature** 258(5536):620–2, 18 Dec 75

Alteration of epididymal sperm transport and maturation in mice by oestrogen and testosterone. Meistrich ML, et al.
Nature 258(5531):145–7, 13 Nov 75

The pineal gland and the effect of neonatal administration of androgen upon the development of spontaneous salt and water intake in female rats. Křeček J, et al.
Neuroendocrinology 18(2):137–43, 1975

Neuropharmacological study on the induction of hypothalamic masculinization in female mice. Nishizuka M. **Neuroendocrinology** 20(2):157–65, 1976

Influence of monoamine oxidase inhibitor on the induction of persistent estrus by androgen in the rat. Shirama K, et al. **Neuroendocrinology** 20(3):282–7, 1976

Testosterone manipulations: effects on ranacide aggression and brain monoamines in the adult female rat. Bernard BK.
Pharmacol Biochem Behav 4(1):59–65, Jan 76

Testosterone and the sex difference in blood pressure in mice. Schmalbach NL, et al. **Pharmacol Biochem Behav** 4(3):339–41, Mar 76

Emergence tests in testosterone–treated chicks. Archer J.
Physiol Behav 16(4):513–4, Apr 76

Pup–killing in mice: the effects of gonadectomy and testosterone administration. Gandelman R, et al.
Physiol Behav 15(6):647–51, Dec 75

Effects of anti–estrogens on testosterone stimulated male sexual behavior and peripheral target tissues in the castrate male rat. Luttge WG. **Physiol Behav** 14(6):839–46, Jun 75

Post–ejaculatory vocalization in castrated rats treated with

various steroids. Parrott RF, et al. **Physiol Behav** 15(2):159–63, Aug 75

Development of running activity in maturing rats: dependence upon prior androgen exposure and ovarian function. Ramaley JA. **Physiol Behav** 15(1):25–9, Jul 75

Influence of testosterone on pup killing in the rat is modified by prior experience. Rosenberg KM, et al. **Physiol Behav** 15(6):669–72, Dec 75

Lordosis behavior and mounting behavior in male rats: effects of castration and treatment with estradiol benzoate or testosterone propionate. Södersten P, et al. **Physiol Behav** 14(2):159–64, Feb 75

Influence of neonatal androgen on the display of territorial marking behavior in the gerbil. Turner JW Jr. **Physiol Behav** 15(3):265–70, Sep 75

Studies on the accessory reproductive organs in the drake. Fujihara N, et al. **Poult Sci** 55(4):1324–30, Jul 76

The behavior of chickens following embryonic treatment with testosterone propionate. Mauldin JM, et al. **Poult Sci** 54(6):2133–5, Nov 75

Growth and maturation of testes in young coturnix and modification by exogenous FSH, LH, and testosterone—a stereologic evaluation. Purcell SM, et al. **Poult Sci** 54(4):1115–22, Jul 75

Factors influencing hematocrit response to testosterone in patients on chronic hemodialysis. Duffy BS, et al. **Proc Clin Dial Transplant Forum** 2:120–2, 1972

An effect of castration and testosterone replacement on a circadian pacemaker in mice (Mus musculus). Daan S, et al. **Proc Natl Acad Sci USA** 72(9):3744–7, Sep 75

Regulation by steroid hormones of phosphorylation of specific protein common to several target organs. Liu AY, et al. **Proc Natl Acad Sci USA** 73(2):568–72, Feb 76

Control of renal vitamin D hydroxylases in birds by sex hormones. Tanaka Y, et al. **Proc Natl Acad Sci USA** 73(8):2701–5, Aug 76

Sensitizing effects of androgen and photoperiod on hypothalamic mechanisms of sexual behavior. Hutchison JB. **Prog Brain Res** 42:367, 1975

Castration, testosterone replacement therapy and spacing patterns in laboratory mice (Mus musculus). Miley WM. **Psychol Rep** 38(3 Pt 2):1315–20, Jun 76

Protective action of sex hormones against mast cell depletion and other deleterious effects of magnesium deprivation. Bélanger LF, et al. **Rev Can Biol** 34(4):195–203, Dec 75

Induction of vaginal mucification in rats with testosterone and 17beta-hydroxy-5alpha-androstan-3-one. Kennedy TG, et al. **Steroids** 27(3):423–30, Mar 76

Effects of estrogen and testosterone on specific prolactin binding in the kidneys and adrenal of rats. Marshall S, et al. **Steroids** 27(2):187–95, Feb 76

[Radioautographic study of the action of androgens on the synthesis of nucleic acids in the male genital tract of the white mouse (author's transl)] Durliat M, et al. **Ann Endocrinol (Paris)** 36(3):131–43, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Ovarian changes after early androgenization in the rat] Maillet M, et al. **Bull Assoc Anat (Nancy)** 59(167):929–34, Dec 75 **(Fre)**

[Appearance of the uterine mucosa in the puberal female rat after continuous exposure to light or early androgenization] Manguelle-Dicoum MA, et al. **Bull Assoc Anat (Nancy)** 59(166):673–7, Sep 75 (Eng. Abstr.) **(Fre)**

[Regressive modifications and involution of left differentiated Müllerian ducts of female chickens under testosterone action] Lutz-Ostertag Y. **C R Acad Sci [D] (Paris)** 282(16):1549–52, 26 Apr 76 (Eng. Abstr.) **(Fre)**

[The effects in vivo of some sex hormones on the growth of tibias of normal and chondrodystrophic (Creeper) chick embryos] Scopelliti R. **C R Acad Sci [D] (Paris)** 280(7):901–4, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Interrelationship between adrenal cortex and genital apparatus of the male rat] Grizard G, et al. **C R Soc Biol (Paris)** 169(6):1482–90, 1975 (Eng. Abstr.) **(Fre)**

[The effect of castration on the mast cells of the ventral gland of male gerbils (Meriones unguiculatus, Gerbillidae)] Salès N. **C R Soc Biol (Paris)** 169(4):856–62, 1975 (Eng. Abstr.) **(Fre)**

[Effect of hypothalamic implants changing monoamine levels on continuous estrus in rats induced by androgen treatment in the neonatal period] Tournigant JC, et al. **C R Soc Biol (Paris)** 169(1):113–7, 1975 (Eng. Abstr.) **(Fre)**

[Comparison of effect of testosterone and 5alpha-dihydrotestosterone on adrenal cortex in hypophysectomized rats] Zizine L. **C R Soc Biol (Paris)** 168(10–11–12):1182–5, 1974 (Eng. Abstr.) **(Fre)**

[Effects of microdoses of testosterone and 5alpha-DHT on castrated lizard (Lacerta vivipara Jacquin) epididymis cultivated in vitro (author's transl)] Gigon A. **Experientia** 31(12):1470–2, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Action of hormones on the female germinal cells of Carassius auratus L. in organ culture. Sex reversal and oogenesis in vitro] Remacle C, et al. **Gen Comp Endocrinol** 29(2):212–24, Jun 76 (Eng. Abstr.) **(Fre)**

[The action of hormones on the male germinal cells of Carassius auratus L. in organ culture] Remacle C. **Gen Comp Endocrinol** 29(4):480–91, Aug 76 (Eng. Abstr.) **(Fre)**

[Action of estradiol and testosterone on the preputial glands of the rat fetus] Marois M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(7):971–80, Oct–Nov 74 **(Fre)**

[Stimulation of ovarian function in infantile rats with testosterone alone or in combination with chorionic gonadotropin or clomiphene citrate] Hohlweg W, et al. **Endokrinologie** 67(2):240–3, Jun 76 (Eng. Abstr.) **(Ger)**

[Effect of antiandrogens on testosterone-dependent morphology of the masculine genital organs] Kühnel W. **Verh Anat Ges** 68:261–5, 1974 **(Ger)**

[Effect of testosterone on the beginning of singing in the zebra finch (Taeniopygia guttata castanotis)] Sossinka R, et al. **Z Tierpsychol** (39):259–64, 1975 (Eng. Abstr.) **(Ger)**

[Colony stimulating factor in graft-versus-host reaction and the changes in colony stimulating factor and in vitro colony forming cells after anabolic steroids treatment (author's transl)] Hara H. **Acta Haematol Jpn** 37(5):648–50, Oct 74 (Eng. Abstr.) **(Jpn)**

[The effect of sex hormones on the incidence of experimental urinary bladder tumors in rats (author's transl)] Kōno N, et al. **Jpn J Urol** 66(7):409–17, Jul 75 (Eng. Abstr.) **(Jpn)**

[Neutrophil alkaline phosphatase in patients with internal diseases treated with testosterone] Lisiewicz J, et al. **Endokrynol Pol** 26(3):253–8, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Effect of sex hormones preparations on some indices of liver function under experimental conditions] Teresiak T, et al. **Pol Arch Med Wewn** 54(5):455–61, Nov 75 (Eng. Abstr.) **(Pol)**

[Evaluation of the skin resorptive action of testosterone and its esters] Fedorov VK, et al. **Farmakol Toksikol** 38(5):596–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Hormonal and pyridoxine induction of threonine dehydratase in the rat liver] Protasova TN. **Probl Endokrinol (Mosk)** 21(4):91–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Germ cell cycles during sex inversion in chick embryos] Lukina NA. **Tsitologiia** 17(8):902–8, Aug 75 (Eng. Abstr.) **(Rus)**

[Androgenic and estrogenic hormones in the reproduction of swine] Preobrazhenskii ON. **Veterinariia** (8):76–8, Aug 75 **(Rus)**

[Mechanism of action of androgens on the hypothalamo-hypophyseal system in mammals] Beyer C, et al. **Bol Estud Med Biol Suppl** 1:245–59, 1974 **(Spa)**

[Hormone regulation of male fertility] Anselmo JG. **Rev Chil Obstet Ginecol** 40(3):113–21, 1975 **(Spa)**

PHYSIOLOGY

The involvement of androgens in the control of epididymal protein synthesis and amino acid transport in the rat. Haimovici M, et al. **Acta Physiol Lat Am** 25(3):172–8, 1975

The differential response of prostatic nucleolar and extra-nucleolar protein phosphokinase activities following androgen deprivation. Wilson MJ, et al. **Endocr Res Commun** 3(1):63–9, 1976

Negative feedback control of LH by testosterone: a quantitative study in male rats. Damassa DA, et al. **Endocrinology** 99(3):736–42, Sep 76

Neonatal differentiation of hepatic steroid metabolism in the rat. pp. 233–44. Gustafsson JA, et al. **In: Forest MG, Bertrand J, ed. Endocrinologie sexuelle de la période périnata Paris, INSERM, 1974. WK 900 E56 1974.**

Sexual behavior of male primates and the role of testosterone. pp. 235–313. Michael RP, et al. **In: Michael RP, Crook JH, ED. Comparative ecology and behavior of primates. London, Academic Press, 1973. QL 737.P9 C737 1971.** (200 ref.)

Regulation by testosterone and serum protein of DNA synthesis in the developing epididymis of the rat. Majumder GC, et al. **J Endocrinol** 70(1):105–15, Jul 76

The role of sex hormones in the growth of antler bone tissue. I: Endocrine and metabolic effects of antiandrogen therapy. Bubenik GA, et al. **J Exp Zool** 194(2):349–58, Nov 75

Testosterone sulphate, its biosynthesis, metabolism, measurement, functions and properties. Dessypris AG. **J Steroid Biochem** 6(8):1287–98, Aug 75 (123 ref.)

Role of testosterone in the early stage of spermatocytogenesis in rats. Ogasa A, et al. **Natl Inst Anim Health Q (Tokyo)** 15(2):94–102, Summer 75

Androgens and agonistic behavior in mice: relevance to aggression and irrelevance to avoidance-of-attack. Leshner AI, et al. **Physiol Behav** 15(6):695–9, Dec 75

Gonadectomy and the development of age-dependent polydipsia and the intake of NaCl solutions in the SWR/J mouse. Schmalbach NL, et al. **Physiol Behav** 14(6):825–32, Jun 75

[Study of control of the preputial glands of the rat by male and female sex hormones] Marois M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(8):1151–67, Dec 74 (Eng. Abstr.) **(Fre)**

SECRETION

Hypophyso-gonadal function in the cryptorchid child: differences between unilateral and bilateral cryptorchids. Cacciari, et al. **Acta Endocrinol (Kbh)** 83(1):182–9, Sep 76

The effect of 2-bromo-alpha-ergocryptine (CB154) administration of the hormone levels, organ weights, prostatic morphology and zinc concentrations in the male rat. Harper ME, et al. **Acta Endocrinol (Kbh)** 83(1):211–24, Sep 76

Infusions of hFSH and hLH in normal men. II. Serum testosterone response to infused hLH and hFSH. Kjeld JM, et al. **Acta Endocrinol (Kbh)** 81(2):234–42, Feb 76

A case of male pseudohermaphroditism associated with elevated LH, normal FSH and low testosterone possibly due to the secretion of an abnormal LH molecule. Park IJ, et al. **Acta Endocrinol (Kbh)** 83(1):173–81, Sep 76

The response of the immature rat ovary to gonadotrophins: acute changes in cyclic AMP, progesteron, testosteron, androstenedione and oestradiol after treatment with PMS or FSH + LH. Sashida T, et al. **Acta Endocrinol (Kbh)** 82(2):413–25, Jun 76

Hypothalamic-pituitary-testicular system following testicular X-irradiATION. Verjans HL, et al. **Acta Endocrinol (Kbh)** 83(1):190–200, Sep 76

Fanconi's anemia. II. Are multiple endocrine insufficiencies a substantial part of the disease? Stubbe P, et al. **Acta Paediatr Scand** 64(6):790–4, Nov 75

Endocrinological studies in undescended testes. Waaler PE. **Acta Paediatr Scand** 65(5):559–64, Sep 76

Testosterone secretion by the early fetal pig testes in organ culture. Stewart DW, et al. **Biol Reprod** 15(1):25–8, Aug 76

Proceedings: LH and PT release after stimulation with LH-RH. Marberger H. **Br J Urol** 48(2):152, Apr 76

The effects of large doses of the anabolic steroid, methandrostenolone, on an athlete. Kilshaw BH, et al. **Clin Endocrinol (Oxf)** 4(5):537–41, Sep 75

Age-related secretion of androstenedione, testosterone and dihydrotestosterone by the human testis. Giusti G, et al. **Exp Gerontol** 10(5):241–5, 1975

Testicular response to exogenous gonadotropins in the syndrome of feminizing testes. Turksoy RN, et al. **Fertil Steril** 27(6):670–6, Jun 76

'Rhythms' in neuroendocrine functions. pp. 65–78. Short RV. **In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.**

Organizing effects of 'early' testosterone secretion on steroid metabolism and binding. pp 343–69. De Moor P, et al. **In: James VH et al., ed. The endocrine function of the human testis. Vol 1. New York, Academic Press, 1973. WJ 875 E56 1972.** (112 ref.)

Pituitary and testicular response to hypothalamic LH-releasing hormone (LH-RH) in normal and oligospermic men. Schwarzstein L, et al. **Int J Fertil** (2):96–102, 1976

A testosterone-secreting, gonadotropin-responsive pure thecoma and polycystic ovarian disease. Givens JR, et al. **J Clin Endocrinol Metab** 41(5):845–53, Nov 75

A testosterone-producing adrenal cortical adenoma in an elderly woman. Larson BA, et al. **J Clin Endocrinol Metab** 42(5):882–7, May 76

Proceedings: Secretion of testosterone by components of the rat testis in vitro, and the effects of gonadotrophin stimulation. Bell JB, et al. **J Endocrinol** 67(2):11P–12P, Nov 75

Proceedings: Testosterone and progesterone secretion by adult rat testis interstitial cells in monolayer culture. Khatim MS, et al. **J Endocrinol** 69(3):19P–20P, Jun 76

Seasonal variation in the episodic secretion of luteinizing hormone and testosterone in the ram. Lincoln GA. **J Endocrinol** 69(2):213–26, May 76

Ontogeny of luteinizing hormone and testosterone secretion. Boyar RM, et al. **J Steroid Biochem** 6(5):803–8, May 75

Editorial: Endocrine function in hirsute women. Forbes AP. **N Engl J Med** 294(12):665–7, 18 Mar 76

Idiopathic hirsutism—an ovarian abnormality. Kirschner MA, et al. **N Engl J Med** 294(12):637–40, 18 Mar 76

Editorial: Sex and alcohol: a second peek. Van Thiel DH, et al. **N Engl J Med** 295(15):835–6, 7 Oct 76

Sleep-endocrinology studies in man. Rubin RT. **Prog Brain Res** 42:73–80, 1975

Prostaglandins inhibit testosterone secretion by mouse testes in vitro. Bartke A, et al. **Steroids** 28(1):81–8, Jul 76

[Evaluation of gonadotropic and gonadal secretions in primary abnormalities of the gonads and male pseudohermaphrodism before and after the age of puberty] Job JC, et al. **Arch Fr Pediatr** 33(4):371–86, Apr 76 (Eng. Abstr.) **(Fre)**

[Stimulation of testicular secretion by chorionic gonadotrophin. Results in normal men and in hypogonadic patients] Mahoudeau JA, et al. **Nouv Presse Med** 5(12):767–70, 20 Mar 1976 (Eng. Abstr.) **(Fre)**

[FSH, LH and testosterone evaluation in healthy males from pre-puberty to senile age. Study in basic conditions and after stimulation with Gn-RH] Mazzi C. **Quad Sclavo Diagn** 11(2):407–14, Jun 75 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Proceedings: The treatment of climacteric disorders with a combination of estradiol and testosterone—an outline of the pathogenesis of psychic symptoms in the climacterium. Navrátil J, et al. **Act Nerv Super (Praha)** 17(4):307–8, 1975

Comparison of testosterone decanoate, drostanolone and testololactone in disseminated breast cancer—a randomized clinical study. Rieche K, et al. **Arch Geschwulstforsch** 45(5):485–8, 1975

Testosterone in the early management of the ambiguous genitalia in the XY individual. Smith DW, et al.

Birth Defects 11(4):143–4, 1975

Testosterone therapy in hemodialysis patients. Ball JH, et al. **Clin Nephrol** 4(3):91–8, 1975

Klinefelter's syndrome: examination of thyroid function, and the TSH and PRL responses to thyrotropin-releasing hormone prior to and after testosterone administration. Burman KD, et al. **J Clin Endocrinol Metab** 41(06):1161–6, Dec 75

Prostaglandin concentrations in the semen of hypogonadal men during treatment with testosterone. Skakkebaek NE, et al. **J Reprod Fertil** 47(1):119–21, May 76

Letter: Treatment of Kallmann syndrome. Eisenbud E. **JAMA** 235(1):23–4, 5 Jan 76

Control of ovine posthitis in merinos grazing improved pastures in the South Island high country. Scales GH, et al. **NZ Vet J** 23(5):78–80, May 75

Factors influencing hemoglobin response to testosterone in patients on chronic dialysis. von Hartitzsch B. **Proc Clin Dial Transplant Forum** 2:125–6, 1972

Gonadotropin dynamics in Klinefelter's syndrome. Scaglia HE, et al. **Reproduccion** 2(1):7–12, Jan–Mar 75

Regression of pulmonary metastases from renal carcinoma. Wasko R. **Urology** 7(3):299–301, Mar 76

[Steroïedhormone in kleindierpraktyk (author's transl)] le Roux PH. **J S Afr Vet Assoc** 57(2):125–9, Jun 76 **(Afr)**

[Conservative treatment of prostatic adenoma] Gikov D, et al. **Khirurgiia (Sofiia)** 27(5):398–403, 1974 (Eng. Abstr.) **(Bul)**

[Reduction of expected height in excessively tall boys (author's transl)] Frisch H. **Paediatr Paedol** 11(1):268–74, 1976 (Eng. Abstr.) **(Ger)**

[Protective effect of some hormones (insulin, testosterone, human chorionic gonadotropins) on testicular damage in alloxan diabetes in rats] Scaffidi L, et al. **Minerva Med** 66(85):4586–91, 12 Dec 75 (Eng. Abstr.) **(Ita)**

[Testosterone in the therapy of anemia in the uremic patient treated by periodic hemodialysis] Brancaccio D, et al. **Minerva Nefrol** 19(4):269–73, Jul–Aug 72 **(Ita)**

[Testosterone treatment in aplastic anemia] Hansz J, et al. **Pol Tyg Lek** 30(31–32):1323–5, 4–11 Aug 75 (Eng. Abstr.) **(Pol)**

URINE

Urinary testosterone glucuronide and sulphate in newborns and young infants. Krawczynska H, et al. **Acta Endocrinol (Kbh)** 82(4):842–50, Aug 76

Variations in testosterone excretion by man. pp. 469–78. Harkness RA.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972. (52 ref.)

Rhythms in cognitive functioning and EEG indices in males. pp. 481–93. Klaiber EL, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.

Urinary androstanediol and testosterone in adults. Doberne Y, et al. **J Clin Endocrinol Metab** 42(1):152–4, Jan 76

Proceedings; Excretion of urinary free androstenedione and testosterone. Andino N, et al. **J Endocrinol** 69(3):13P, Jun 76

Ovariectomy alone or in combination with dexamethasone in patients with advanced breast cancer and high levels of testosterone excretion. Grattarola R. **J Nati Cancer Inst** 56(1):11–6, Jan 76

Elevated urinary testosterone and androstanediol in precocious adrenarche. Doberne Y, et al. **Pediatr Res** 9(10):794–7, Oct 75

A simple radioimmunoassay for the measurement of testosterone glucosiduronate in unextracted urine. Tresguerres JA, et al. **Steroids** 28(1):13–23, Jul 76

[Age characteristics of testosterone and epitestosterone excretion in healthy children and adolescents] Skorodok LM, et al. **Pediatriia** (7):22–5, Jul 75 **(Rus)**

[Excretion of testosterone in men with various forms of hypogonadism] Demichenko AN, et al. **Probl Endokrinol (Mosk)** 21(4):31–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Excretion in the urine of glucuronides of testosterone and androstenedione in women with climacteric neurosis and without neurosis] Korneev GIa. **Probl Endokrinol (Mosk)** 21(4):35–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

TESTOSTERONE 5 ALPHA REDUCTASE see under **OXIDOREDUCTASES**

TETANUS

see related
TRISMUS

Clinical manifestations of tetanus in pediatric age group. Bai KI, et al. **Indian Pediatr** 12(6):485–91, Jun 75

Neonatal tetanus: a developmental follow-up study. Sharma A, et al. **Indian Pediatr** 13(1):51–4, Jan 76

Editorial: The inexcusable disease. Edsall G. **JAMA** 235(1):62–3, 5 Jan 76

Tetanus neonatorum. Athavale VB, et al. **Prog Drug Res** 19:189–208, 1975 (23 ref.)

Tetanus in children. Athavale VB, et al. **Prog Drug Res** 19:209–28, 1975 (6 ref.)

Postabortal and postpartum tetanus. A review of 19 cases. Bennett MJ. **S Afr Med J** 50(13):513–6, 24 Mar 76

[Tetanus and pregnancy. Labor with assisted respiration] L'yvonnet M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):545–7, Jun 76 (Eng. Abstr.) **(Fre)**

[Tetanus: its epidemiological, clinical and therapeutic aspects. Analysis of 461 cases] Barone AA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(3):215–25, May–June 76 (Eng. Abstr.) **(Por)**

[Tetanus in the newborn. Epidemiologic, clinical and therapeutic aspects. Report of 34 cases] Castañeda Guardiola JL, et al. **Bol Med Hosp Infant Mex** 33(2):465–71, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Law court abolished warning in tetanus case] **Lakartidningen** 73(22):2117, 26 May 76 **(Swe)**

BLOOD

[Changes of various lipid fractions in experimental intoxication with diphtheric and tetanic toxins] Rossolini A, et al. **Ann Sclavo** 17(6):786–98, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Ophthalmoplegic tetanus. Saltissi S, et al. **Br Med J** 1(6007):437, 21 Feb 76

Myositis ossificans traumatica: a complication of tetanus. Report of a case and review of the literature. Mitra M, et al. **J Bone Joint Surg [Am]** 58(6):885–6, Sep 76

Myositis ossificans as a complication of tetanus. Odiase VO. **J R Coll Surg Edinb** 20(6):384–6, Nov 75

Tetanus: review of the literature and report of a case. Smith MJ, et al. **Oral Surg** 41(4):451–6, Apr 76

Cephalic tetanus. Vakil BJ, et al. **Prog Drug Res** 19:443–51, 1975

[Secondary infections in patients with tetanus in Dakar] Castets MM, et al. **Bull Soc Med Afr Noire Lang Fr** 20(1):26–30, 1975 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Relapsing tetanus (author's transl)] Stöhr M, et al. **Munch Med Wochenschr** 118(2):35–8, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[A case of early diagnosis of tetanus] Mekhed TA. **Stomatologiia (Mosk)** 55(1):104, Jan–Feb 76 **(Rus)**

DRUG THERAPY

Tetanus Hughes JH, et al. **Am Fam Physician** 13(3):76–80, Mar 76

Value of determination of oxygen consumption in tetanus. Femi-Pearse D, et al. **Br Med J** 1(6001):74–5, 10 Jan 76

Therapeutic trial of methocarbamol (Robinax) in tetanus neonatorum. Lall JC, et al. **Indian Pediatr** 12(6):503–4, Jun 75

Oral therapy in milder cases of tetanus with carisoprodol. Sinha K, et al. **J Indian Med Assoc** 65(9):261–4, 1 Nov 75

Letter: Fatal embolism despite low-dose heparin. Jenkins J, et al. **Lancet** 1(7958):541, 6 Mar 76

Comparative clinical trial of diazepam with other conventional drugs in tetanus. Vassa NT, et al. **Postgrad Med J** 50(590):755–8, Dec 74

Tetanus in Punjab with particular reference to the role of muscle relaxants in its management. Jolly SS, et al. **Prog Drug Res** 19:288–300, 1975

Cholinesterase restoring therapy in tetanus. Leonardi G, et al. **Prog Drug Res** 19:329–35, 1975

Role of beta-adrenergic blocking drug propranolol in severe tetanus. Sainani GS, et al. **Prog Drug Res** 19:361–6, 1975

Tetanus: situational clinical trials and therapeutics. Sanders RK, et al. **Prog Drug Res** 19:367–83, 1975

[Myo-relaxant action of sodium Dantrolene in the treatment of tetanus] Rocha H. **Rev Inst Med Trop Sao Paulo** 17(4):257–62, Jul–Aug 75 (Eng. Abstr.) **(Por)**

ETIOLOGY

Tetanus in a patient with a uterine tumor. Coulson AS, et al. **Am Surg** 42(3):215–8, Mar 76

Post-abortal tetanus. Newman C, et al. **Conn Med** 39(12):773–4, Dec 75

[Apropos of a case of cephalic tetanus] Trajkov I, et al. **God Zb Med Fak Skopje** 20:627–32, 1974 **(Cro)**

IMMUNOLOGY

Antibody status to poliomyelitis, measles, rubella, diphtheria and tetanus, Ontario, 1969–70: deficiencies discovered and remedies required. MacLeod DR, et al. **Can Med Assoc J** 113(7):619–23, 4 Oct 75

Tetanus antitoxin titres of umbilical cord blood as an indication of immunity against tetanus neonatorum. D'Sa JA. **Indian J Med Sci** 29(1):14–5, Jan 75

Combined diphtheria-tetanus immunization of adults. Trinca JC. **Med J Aust** 2(14):543–6, 4 Oct 75

[Letter: Tetanus booster vaccination] Häring R. **Dtsch Med Wochenschr** 101(19):761, 7 May 76 **(Ger)**

[Tetanus immunity during senescence (author's transl)] Finger H, et al. **Zentralbl Bakteriol [Orig B]** 161(2):188–93, Oct 75 (Eng. Abstr.) **(Ger)**

[Antitetanic immunity induced after the 1st and 2d dose of anatoxin] Zardi O, et al. **Riv Med Aeronaut Spaz** 35(3–4):170–92, Jul–Dec 72 (Eng. Abstr.) **(Ita)**

[Formation of a specific antigen in spinal cord synaptic structures of rats with local tetanus] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 79(5):22–5, May 75 (Eng. Abstr.) **(Rus)**

[Maturation of the humoral immunity in the child. immunoglobulin levels and presence of specific antidiphteric, antitetanic and antipertussic antibodies] Citkuševa L, et al. **God Zb Med Fak Skopje** 21:43–8, 1975 (Eng. Abstr.) **(Ser)**

[Active immunization against tetanus and its evaluation] Toppare S, et al. **Mikrobiyol Bul** 10(2):161–8, Feb 76 (Eng. Abstr.) **(Tur)**

METABOLISM

Intraaxonal and extraaxonal transport of 125I-tetanus toxin in early local tetanus. Erdmann G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(4):357–73, 15 Oct 75

[Changes in the protein composition of the synaptic structures of the brain of rats in tetanus intoxication] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 79(4):19–22, Apr 75 (Eng. Abstr.) **(Rus)**

[Oxidative phosphorylation in rat spinal cord mitochondria in tetanus] Sakharova OP, et al. **Biull Eksp Biol Med** 80(12):20–2, Dec 75 (Eng. Abstr.) **(Rus)**

[State of water metabolism in tetanus] Vronskiĭ AF. **Klin Khir** (9):25–7, 1975 (Eng. Abstr.) **(Rus)**

[Disorders of the oxidation-reduction processes in severe forms of tetanus] Zoria VG, et al. **Klin Khir** (7):35–7, Jun 75 **(Rus)**

[State of water metabolism in tetanus] Vronskiĭ AF. **Vrach Delo** (1):133–7, Jan 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Letter: The 'gram negative' nature of the tetanus bacillus and some problems of editorial policy] Joó I. **Orv Hetil** 116(40):2391–2, 5 Oct 75 **(Hun)**

MORTALITY

Mode of death in tetanus. Vaishnava H, et al. **Prog Drug Res** 19:439–42, 1975

[The bioecology and epidemiology of tetanus in Mexico (1922–1972). Tetanus mortality] Carrada Bravo T. **Salud Publica Mex** 17(2):253–66, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Tetanus in bulgaria. Solomonova K, et al. **Z Immunitaetsforsch** 144(3):242–50, Oct 72

[Localized tetanus (apropos of 19 cases studied in Dakar)] Diop Mar I, et al. **Bull Soc Med Afr Noire Lang Fr** 19(4):392–6, 1974 (Eng. Abstr.) **(Fre)**

[111 cases of tetanus in 18 years. Report of experiences and general conclusions (author's transl)] Haid B. **Munch Med Wochenschr** 117(27):1149–58, 4 Jul 75 (Eng. Abstr.) **(Ger)**

[Tetanus] Anusz Z. **Przegl Epidemiol** 30(1):97–100, 1976 **(Pol)**

[Incidence of tetanus in the Cracow Rzeszow and Kielce regions] Mach B, et al. **Przegl Epidemiol** 30(1):133–7, 1976 (Eng. Abstr.) **(Pol)**

[Tetanus: epidemiological and clinical studies of 2,337 cases] Vera Martinez A, et al. **Bol Of Sanit Panam** 80(4):323–32, Apr 76 (Eng. Abstr.) **(Spa)**

[Tetanus. Review of 123 cases] López MA, et al. **Salud Publica Mex** 17(3):325–36, May–Jun 75 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Ventilatory response to carbon dioxide in tetanus. Elegbeleye OO, et al. **Clin Sci Mol Med** 50(1):83–6, Jan 76

Rhythmic cerebellar and cortical electric activity in tetanus intoxicated rabbits. Huck S, et al. **Experientia** 32(2):200–1, 15 Feb 76

Effect of dantrolene sodium upon the activity of the hind leg muscle of the cat with local tetanus. Takano K. **Naunyn Schmiedebergs Arch Pharmacol** 293(2):195–6, May 76

Autonomic dysfunction as a problem in the treatment of tetanus. Dastur FD, et al. **Prog Drug Res** 19:245–51, 1975

Tetanus: general and pathophysiological aspects; achievements, failures, perspectives of elaboration of the problem. Kryzhanovsky GN. **Prog Drug Res** 19:314–22, 1975

Present data on the pathogenesis of tetanus. Kryzhanovsky GN. **Prog Drug Res** 19:301–13, 1975 (84 ref.)

Clinical study of diphtheria, pertussis and tetanus. raju vb, et al. **Prog Drug Res** 19:356–60, 1975

[Electrotonic potentials of spinal cord dorsal roots in frogs with experimental tetanus] Erzina GA, et al. **Biull Eksp Biol Med** 80(7):18–21, Jul 75 (Eng. Abstr.) **(Rus)**

[Changes of bioelectric activity of the brain in tetanus] Zoria VG. **Vrach Delo** (6):141–3, Jun 74 **(Rus)**

PREVENTION & CONTROL

Letter: Immunization for tetanus. Altman J. **Am Fam Physician** 14(2):27, Aug 76

Editorial: Preventing tetanus in patients with wounds. Fraser DW. **Ann Intern Med** 84(1):95–7, Jan 76

Preventing tetanus in patients with wounds. Fraser DW. **Ann Intern Med** 84(1):95–7, Jan 76

Letter: Prevention of tetanus in the wounded. Brown A. **Br Med J** 3(5984):647, 13 Sep 75

Prevention of tetanus in the wounded. Smith JW, et al.

Br Med J 3(5981):453–5, 23 Aug 75
Oral immunization against tetanus. Baljer G.
Dev Biol Stand 33:63–71, 1976
The prevention of tetanus – the use of human antitetanus immunoglobulin. **Drug Ther Bull** 13(20):77–9, 26 Sep 75
Active immunization against tetanus in man. I. Duration of anamnestic reaction after one dose of vaccine. Ullberg–Olsson K, et al. **Eur Surg Res** 7(4–5):249–58, 1975
Active immunization against tetanus in man. III. Antibody response to vaccine injections in the presence of therapeutic doses of human tetanus immune globulin. a record of five cases. Ullberg–Olsson K. **Eur Surg Res** 7(6):305–14, 1975
Active immunization of women in pregnancy with two injections of adsorbed tetanus toxoid for prevention of tetanus neonatorum in Punjab, India. Dhillon H, et al.
Indian J Med Res 63(4):583–9, Apr 75
A collaborative investigation of a potency assay for adsorbed tetanus vaccines based on the protection of mice from tetanic paralysis. Mussett MV, et al. **J Biol Stand** 4(2):141–8, Apr 76
Single – dose immunization of human subjects against tetanus. Matveev KI, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 20(1):112–20, 1976
Letter: Passive prophylaxis in tetanus. Kamath PG.
J Indian Med Assoc 65(10):294, 16 Nov 75
Preventing tetanus in adults in general practice. Cotter EH, et al. **J R Coll Gen Pract** 25(160):812–20, Nov 75
The control of diphtheria, tetanus, poliomyelitis, measles, rubella and mumps Dudgeon JA. **Practitioner** 215(1287):299–309, Sep 75 (37 ref.)
Tetanus and its prevention. Smith JW. **Prog Drug Res** 19:391–401, 1975
Guidelines for the prevention of tetanus. **WHO Chron** 30(5):201–3, May 76
Active immunization against tetanus of children suffering with diabetes mellitus. Solomonova K, et al.
Z Immunitaetsforsch 151(1):383–90, Aug 76
Active immunization against tetanus in guinea–pigs. An attempt to evaluate 'rapid immunization' with tetanus vaccine. Ullberg–Olsson K. **Z Immunitaetsforsch** 151(2):166–72, Apr 76
Active immunization against tetanus in man. II. Combined active and passive prophylaxis with human tetanus immune globulin. Ullberg Olsson K, et al. **Z Immunitaetsforsch** 151(3):191–201, Apr 76
[Tetanus prevention] **Ned Tijdschr Geneeskd** 120(7):297–8, 14 Feb 76 **(Dut)**
[Prevention of tetanus in man and animal following injury] Radvila P. **Arch Exp Veterinaermed** 29(3):469–81, Jun 75 (Eng. Abstr.) **(Ger)**
[Recommendations for tetanus prophylaxis] **Ther Ggw** 114(5):781–8, May 75 **(Ger)**
[Control of tetanus from the immunobiological point of view] Zimmermann G. **Z Aerztl Fortbild (Jena)** 69(24):1284–6, 15 Dec 75 **(Ger)**
[Duration of immunity after administration of heterologous and homologous tetanus antitoxin and its enzymatical disintegration (author's transl)] Krasemann C, et al.
Z Immunitaetsforsch 143(1):59–75, Jan 72 **(Ger)**
[Experimental investigations on oral immunization with tetanus–toxoid (author's transl)] Baljer G, et al.
Zentralbl Bakteriol [Orig A] 232(4):488–98, Aug 75 (Eng. Abstr.) **(Ger)**
[Antitetanic anatoxin serum vaccination in human volunteers] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(1):7–26, Jan–Feb 75 (Eng. Abstr.) **(Ita)**
[Antitetanic vaccination] del Piano M.
Nuovi Ann Ig Microbiol 26(2–3):87–125, Mar–Jun 75 (Eng. Abstr.) **(Ita)**
[Antitetanic vaccination based on the number of doses of the administered vaccine] Zardi O, et al.
Riv Med Aeronaut Spaz 35(3–4):148–69, Jul–Dec 72 (Eng. Abstr.) **(Ita)**
[Vaccinoprophylaxis of tetanus] Zardi O, et al.
Riv Med Aeronaut Spaz 37(1–2):7–20, Jan–Jun 74 (Eng. Abstr.) **(Ita)**
[Tetanus prevention: difficulties and errors] Mach B, et al.
Pol Przegl Chir 48(4):535–9, Apr 76 **(Pol)**
[Current problems of vaccinating children against diphtheria, pertussis and tetanus] Braginskaia VP.
Vestn Akad Med Nauk SSSR (4):22–7, 1975 (Eng. Abstr.) **(Rus)**
[The perspectives of improvement in tetanus prevention] Mateev KI, et al. **Vestn Akad Med Nauk SSSR** (4):84–90, 1975 **(Rus)**
[Reactivity, immunogenicity and epidemiological effectiveness of vaccination according to various schemes of immunization against whooping–cough, diphtheria and tetanus] Kucheriavenko VS, et al.
Zh Mikrobiol Epidemiol Immunobiol (12):100–4, Dec 75 (Eng. Abstr.) **(Rus)**
[The expediency and feasibility of abolishing the use of antitetanus serum for injuries in the Arkhangel'sk region] Sergeeva TI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):106–9, Nov 75 (Eng. Abstr.) **(Rus)**
[Molecular heterogeneity of endotoxin preparations of the typhoid–paratyphoid group of bacteria. V. Induction of non–specific resistance to the action of bacterial toxins by high–molecular and low–molecular fractions] Shapiro NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):120–1, Apr 76 **(Rus)**
[Improvement of the calendar of immunizations against pertussis, diphtheria and tetanus] Sokhin AA.
Zh Mikrobiol Epidemiol Immunobiol (3):108–15, 1976 (Eng. Abstr.) **(Rus)**
[The epidemiology and prevention of tetanus in Krasnodar during 1956—1973] Teslina VI.
Zh Mikrobiol Epidemiol Immunobiol (11):136–7, Nov 75 **(Rus)**
[Prevention of tetanus in the surgical practice] Jankuloski A, et al. **Acta Chir Iugosl** 23(1 Suppl):79–85, 1976 **(Ser)**

THERAPY

Letter: Case of severe tetanus with recovery. Knight HJ.
Cent Afr J Med 22(5):102–4, May 76
Editorial: Tetanus—still a therapeutic challenge. Nicholson D. **Heart Lung** 5(2):226–7, Mar–Apr 76
Physiological and psychological aspects of tetanus: report of a case. Peters S, et al. **Heart Lung** 5(2):297–300, Mar–Apr 76
Critical assessment of efficacy of treatment and a scoring method for severity of tetanus. Kamat SR, et al.
J Postgrad Med 21(3):101–6, Jul 75
Serologic therapy of tetanus in the United States, 1965–1971. Blake PA, et al. **JAMA** 235(1):42–4, 5 Jan 76
Editorial: Antitoxin in treatment of tetanus. **Lancet** 1(7966):944, 1 May 76
Therapeutic measurement in tetanus (guest lecture). Laurence DR. **Prog Drug Res** 19:323–8, 1975
[Intensive treatment of generalized acute tetanus in adults. II.Complementary treatments] Dupont VV, et al.
Nouv Presse Med 5(2):83–6, 10 Jan 76 **(Fre)**
[Changes in anti–tetanus antibodies under sero–toxoid therapy. Study in 50 patients with tetanus] Goulon M, et al. **Nouv Presse Med** 5(13):847–50, 27 Mar 76 (Eng. Abstr.) **(Fre)**
[Intensive treatment of acute generalized tetanus in adults. I. Respiratory resuscitation] Vic–Dupont V, et al.
Nouv Presse Med 5(1):31–4, 3 Jan 76 **(Fre)**
[Long–term artificial respiration in the treatment of neonatal tetanus (author's transl)] Schlenk R, et al.
Prakt Anaesth 11(3):156–60, Jun 76 (Eng. Abstr.) **(Ger)**
[Therapy of severe tetanus] Teichmann W, et al.
Zentralbl Chir 100(23):1450–3, 1975 **(Ger)**
[Our experience in the treatment of tetanus] Montianini S, et al. **Minerva Anestesiol** 41(4):203–8, Apr 75 (Eng. Abstr.) **(Ita)**
[Current directions in the treatment of tetanus] Leonardi G.
Recent Prog Med (Roma) 58(1):75–131, Jan 75 (366 ref.) (Eng. Abstr.) **(Ita)**
[Current treatment of severe tetanus] Sandu L.
Rev Chir [Chir] 23(9):787–96, Nov–Dec 74 (Eng. Abstr.) **(Rum)**
[Intensive treatment of clinical tetanus] López DM, et al.
Bol Of Sanit Panam 78(2):138–47, Feb 75 (Eng. Abstr.) **(Spa)**

URINE

Urinary vanyl mandelic acid (VMA) in tetanus. Ghanem MH, et al. **J Egypt Med Assoc** 58(1–2):64–7, 1975

VETERINARY

Letter: Prophylaxis of tetanus. Liefman CE. **Aust Vet J** 52(1):50–1, Jan 76
Letter: Tetanus in a cat. Goetz EF.
J Am Vet Med Assoc 169(2):174, 15 Jul 76
Intravenous nutrition in the treatment of tetanus in horses. Greatorex JC. **Vet Rec** 97(25–26):498, 20–27 Dec 75
[Experiences with the use of metomidate for the treatment of equine tetanus. Case report] Oeppert G, et al.
Berl Munch Tieraerztl Wochenschr 88(19):367–9, 1 Oct 75 (Eng. Abstr.) **(Ger)**

TETANUS ANTITOXIN

Transfer of colostral immunoglobulins & tetanus antibodies from the buffalo to neonatal calves. Kulkarni BA, et al.
Indian J Biochem Biophys 11(4):299–302, Dec 74
Immunoglobulin classes of human antitoxin after tetanus vaccination studied by immunofluorescence with agarose bound tetanus toxoid. Hernandez R, et al.
Z Immunitaetsforsch 145(4):376–84, Jun 73
[Duration of immunity after administration of heterologous and homologous tetanus antitoxin and its enzymatical disintegration (author's transl)] Krasemann C, et al.
Z Immunitaetsforsch 143(1):59–75, Jan 72 **(Ger)**
[The expediency and feasibility of abolishing the use of antitetanus serum for injuries in the Arkhangel'sk region] Sergeeva TI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):106–9, Nov 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Clinical aspects of serum sickness] Nowakowski A, et al.
Wiad Lek 29(11):965–8, 1 Jun 76 (Eng. Abstr.) **(Pol)**

ANALYSIS

Field trial on frozen and thawed tetanus toxoid. Menon PS, et al. **Indian J Med Res** 64(1):25–32, Jan 76
Measurement of tetanus immunity in army personnel. Varma RN, et al. **Indian J Med Res** 63(8):1204–8, Aug 75
Tetanus antitoxin titres of umbilical cord blood as an indication of immunity against tetanus neonatorum. D'Sa JA. **Indian J Med Sci** 29(1):14–5, Jan 75
Detection and quantitation of tetanus antitoxin in blood donations. Barr A, et al. **J Clin Pathol** 28(12):969–71, Dec 75
Recruitment and plasmapheresis of donors to provide human antitetanus immunoglobulin. Cook IA, et al.
J Clin Pathol 29(3):211–4, Mar 76
Current status of passive immunity to diphtheria and tetanus in the newborn. Nathenson G, et al. **J Infect Dis** 133(2):199–201, Feb 76
Immunological response to tetanus toxoid during a schistosomal infection in mice. Brito IV, et al.
J Trop Med Hyg 79(7):161–3, Jul 76
Titration of tetanus antitoxin by passive hemagglutination. I. Titration of guinea–pig antitoxins at various periods of immunization. Kameyama S, et al. **Jpn J Med Sci Biol** 28(2):127–38, Apr 75
Active immunization against tetanus in guinea–pigs. An attempt to evaluate 'rapid immunization' with tetanus vaccine. Ullberg–Olsson K. **Z Immunitaetsforsch** 151(2):166–72, Apr 76
[Radioimmunological measurement of tetanus antitoxin] Stiffler–Rosenberg G, et al. **Schweiz Med Wochenschr** 105(25):804–10, 21 Jun 75 (Eng. Abstr.) **(Ger)**
[The content of tetanus antitoxins in children's serum] Thilo W, et al. **Z Gesamte Hyg** 21(10):775–8, Oct 75 (Eng. Abstr.) **(Ger)**

METABOLISM

The effect of co–trimoxazole on antitoxin response to tetanus toxoid. Letley E, et al. **Chemotherapy** 21(3–4):175–80, 1975
[Several properties of low–molecular weight tetanus antitoxin] Aleksevich IaI, et al. **Biull Eksp Biol Med** 81(3):331–3, Mar 76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Inhibition of the reaction between tetanus toxoid–sensitized lymphocytes and tetanus toxin by tetanus antitoxin (author's transl)] Eibl M. **Z Immunitaetsforsch** 145(2):131–8, May 75 (Eng. Abstr.) **(Ger)**
[Effect of different RNA preparations on primary immune response to immunization with tetanus antitoxin] Kulakova GS, et al. **Mikrobiol Zh** 37(1):103–5, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Prevention of tetanus in the wounded. Smith JW, et al.
Br Med J 3(5981):453–5, 23 Aug 75
Letter: Case of severe tetanus with recovery. Knight HJ.
Cent Afr J Med 22(5):102–4, May 76
The prevention of tetanus – the use of human antitetanus immunoglobulin. **Drug Ther Bull** 13(20):77–9, 26 Sep 75
Letter: Passive prophylaxis in tetanus. Kamath PG.
J Indian Med Assoc 65(10):294, 16 Nov 75
Editorial: The inexcusable disease. Edsall G. **JAMA** 235(1):62–3, 5 Jan 76
Editorial: Antitoxin in treatment of tetanus. **Lancet** 1(7966):944, 1 May 76
[Changes in anti–tetanus antibodies under sero–toxoid therapy. Study in 50 patients with tetanus] Goulon M, et al. **Nouv Presse Med** 5(13):847–50, 27 Mar 76 (Eng. Abstr.) **(Fre)**
[Our experience in the treatment of tetanus] Montianini S, et al. **Minerva Anestesiol** 41(4):203–8, Apr 75 (Eng. Abstr.) **(Ita)**

TETANUS TOXIN

Studies on the antigenic structure of tetanus toxin. Bizzini B, et al. **Ann Immunol (Paris)** 126(2):159–76, Feb–Mar 75
Reconstitution of tetanus neurotoxin from two antigenically active polypeptide fragments. Matsuda M, et al.
Biochem Biophys Res Commun 68(3):668–74, 9 Feb 76
The properties of sulfite–treated tetanus toxin. Dawson DJ.
FEBS Lett 56(1):175–8, 1 Aug 75
Tetanus toxin. The effect of chemical modifications on toxicity, immunogenicity, and conformation. Robinson JP, et al. **J Biol Chem** 250(18):7435–42, 25 Sep 75
Proceedings: Structure–function relationship of tetanus toxin: studies on 'complementary' polypeptide fragments of the toxin. Matsuda M, et al. **Jpn J Med Sci Biol** 28(5–6):326–8, Oct–Dec 75
[Inhibition of the reaction between tetanus toxoid–sensitized lymphocytes and tetanus toxin by tetanus antitoxin (author's transl)] Eibl M. **Z Immunitaetsforsch** 145(2):131–8, May 75 (Eng. Abstr.) **(Ger)**
[Competitive relations between tetanus anatoxin and toxin] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 79(6):17–20, Jun 75 (Eng. Abstr.) **(Rus)**
[Experimental vestibulopathy produced as a result of formation of a generator of pathologically enhanced excitation in the vestibular nuclei (phenomenon of a determinative dispatch station)] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 81(2):147–50, Feb 76 (Eng. Abstr.) **(Rus)**
[Experimental neuropathological syndromes during the development of hyperactive determinant dispatch stations in the caudate nuclei] Kryzhanovskiĭ GN, et al.
Biull Eksp Biol Med 81(4):397–9, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Structure and function of proteins of tetanus toxin—reconstruction of the toxin with alpha and beta fragments] Matsuda M, et al. **Jpn J Bacteriol** 30(1):139,

Jan 75 **(Jpn)**

[Comparative immunochemical study of the antigenic makeup of native tetanus toxin from sporulating and nonsporulating C1. tetani strains] Volgin IuB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):47–51, Jun 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Changes of various lipid fractions in experimental intoxication with diphtheric and tetanic toxins] Rossolini A, et al. **Ann Sclavo** 17(6):786–98, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Isolation and purification of two antigenically active, 'complimentary' polypeptide fragments of tetanus neurotoxin. Matsuda M, et al. **Infect Immun** 12(5):1147–53, Nov 75

METABOLISM

The relationship between the action of tetanus toxin and its binding by membranes and gangliosides. Mellanby J, et al. **Adv Exp Med Biol** 71:215–29, 1976

Tetanus toxin and axonal transport. Hanson M, et al. **Brain Res** 100(2):462–6, 19 Dec 75

Electron microscopic evidence for a transsynaptic migration of tetanus toxin in spinal cord motoneurons: an autoradiographic and morphometric study. Schwab ME, et al. **Brain Res** 105(2):213–27, 26 Mar 76

Comparison between the retrograde axonal transport of nerve growth factor and tetanus toxin in motor, sensory and adrenergic neurons. Stöckel K, et al. **Brain Res** 99(1):1–16, 28 Nov 75

125I-Labelled tetanus toxin as a neuronal marker in tissue cultures derived from embryonic CNS. Dimpfel W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):329–33, 24 Sep 75

Intraaxonal and extraaxonal transport of 125I-tetanus toxin in early local tetanus. Erdmann G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(4):357–73, 15 Oct 75

Affinity chromatography of tetanus toxin, tetanus toxoid, and botulinum A toxin on synaptosomes, and differentiation of their acceptors. Habermann WE. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):1–9, 24 Mar 76

Letter: Neural transport of tetanus toxin. **Science** 192(4235):158–9, 9 Apr 76

[The persoprtion of tetanus-toxin loaded particles (author's transl)] Möse JR, et al. **Z Immunitaetsforsch** 144(3):251–9, Oct 72 **(Ger)**

PHARMACODYNAMICS

Rhythmic cerebellar and cortical electric activity in tetanus intoxicated rabbits. Huck S, et al. **Experientia** 32(2):200–1, 15 Feb 76

Effects of botulinum and tetanus toxins on choline acetyltransferase activity in skeletal muscle in the mouse. Tonge DA, et al. **J Neurochem** 25(3):329–51, Sep 75

Nephrotoxic effects of tetanus toxin: an ultrastructural study. Sottiurai V, et al. **Toxicon** 13(6):415–21, Dec 75

[Intercentral relations in rat spinal cord with local depression of the inhibitory processes] Kryzhanovskiĭ GN, et al. **Neirofiziologiia** 7(3):234–42, 1975 (Eng. Abstr.) **(Rus)**

[Formation of a generator of excitation in the gigantocellular nucleus of the medulla oblongata during disruption of inhibitory processes] Kryzhanovskiĭ GN, et al. **Neirofiziologiia** 7(6):608–16, 1975 (Eng. Abstr.) **(Rus)**

[Spinal cord electrical activity during focal depression of inhibitory processes] Lutsenko VK, et al. **Neirofiziologiia** 7(5):509–18, 1975 (Eng. Abstr.) **(Rus)**

TOXICITY

Modification of tetanus toxin with selective chemical reagents. Stein P, et al. **Z Immunitaetsforsch** 145(5):418–31, Sep 73

TETANUS TOXOID

Prevention of tetanus in the wounded. Smith JW, et al. **Br Med J** 3(5981):453–5, 23 Aug 75

An indirect immunofluorescent test for human antibodies to tetanus toxoid using an insoluble toxoid as antigen. Ourth DD, et al. **Clin Exp Immunol** 19(3):571–7, Mar 75

Thymus dependence of the antibody response to tetanus toxoid in mice. Willcox HN. **Clin Exp Immunol** 22(2):341–7, Nov 75

Active immunization against tetanus in man. I. Duration of anamnestic reaction after one dose of vaccine. Ullberg-Olsson K, et al. **Eur Surg Res** 7(4–5):249–58, 1975

Vaccine against pregnancy: roundup on world research. **Fam Plann Perspect** 8(2):77–9, Mar–Apr 76

Field trial on frozen and thawed tetanus toxoid. Menon PS, et al. **Indian J Med Res** 64(1):25–32, Jan 76

Cutaneous delayed hypersensitivity in a healthy pediatric population: diagnostic value of diptheria-tetanus toxoids. Franz ML, et al. **J Pediatr** 88(6):975–7, Jun 76

Immunological response to tetanus toxoid during a schistosomal infection in mice. Brito IV, et al. **J Trop Med Hyg** 79(7):161–3, Jul 76

Isoimmunization against human chorionic gonadotropin with conjugates of processed beta-subunit of the hormone and tetanus toxoid. Talwar GP, et al. **Proc Natl Acad Sci USA** 73(1):218–22, Jan 76

Immunological reactivity of senescent and old people actively immunized with tetanus toxoid. Solomonova K, et al. **Z Immunitaetsforsch** 146(1):81–90, Sep 73

[Vaccinoprophylaxis of tetanus] Zardi O, et al. **Riv Med Aeronaut Spaz** 37(1–2):7–20, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Immune response of various animals to tetanus toxoid] Kameyama S, et al. **Jpn J Bacteriol** 30(1):165, Jan 75 **(Jpn)**

[Molecular mass of tetanus toxoid as determined by molecular filtration] Klimek J, et al. **Med Dosw Mikrobiol** 27(3):301–4, 1975 (Eng. Abstr.) **(Pol)**

[Competitive relations between tetanus anatoxin and toxin] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 79(6):17–20, Jun 75 (Eng. Abstr.) **(Rus)**

[Change in the non-specific resistance of the body to influenza and acute respiratory diseases following immunization diphtheria-tetanus vaccine] Burmistrova AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):89–91, 1976 (Eng. Abstr.) **(Rus)**

[Active immunization against tetanus and its evaluation] Toppare S, et al. **Mikrobiyol Bul** 10(2):161–8, Feb 76 (Eng. Abstr.) **(Tur)**

ADMINISTRATION & DOSAGE

Oral immunization against tetanus. Baljer G. **Dev Biol Stand** 33:63–71, 1976

Active immunization of women in pregnancy with two injections of adsorbed tetanus toxoid for prevention of tetanus neonatorum in Punjab, India. Dhillon H, et al. **Indian J Med Res** 63(4):583–9, Apr 75

Combined diphtheria-tetanus immunization of adults. Trinca JC. **Med J Aust** 2(14):543–6, 4 Oct 75

Active immunization against tetanus of children suffering with diabetes mellitus. Solomonova K, et al. **Z Immunitaetsforsch** 151(1):383–90, Aug 76

Active immunization against tetanus in guinea-pigs. An attempt to evaluate 'rapid immunization' with tetanus vaccine. Ullberg-Olsson K. **Z Immunitaetsforsch** 151(2):166–72, Apr 76

[Experimental investigations on oral immunization with tetanus-toxoid (author's transl)] Baljer G, et al. **Zentralbl Bakteriol [Orig A]** 232(4):488–98, Aug 75 (Eng. Abstr.) **(Ger)**

[Antitetanic anatoxin serum vaccination in human volunteers] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 26(1):7–26, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Antitetanic vaccination based on the number of doses of the administered vaccine] Zardi O, et al. **Riv Med Aeronaut Spaz** 35(3–4):148–69, Jul–Dec 72 (Eng. Abstr.) **(Ita)**

[Antitetanic immunity induced after the 1st and 2d dose of anatoxin] Zardi O, et al. **Riv Med Aeronaut Spaz** 35(3–4):170–92, Jul–Dec 72 (Eng. Abstr.) **(Ita)**

[Use of reduced doses of diphtheria-tetanus toxoid for revaccination of children with changed reactivity] Braginskaia VP, et al. **Vopr Okhr Materin Det** 19(2):65–9, Feb 74 **(Rus)**

[Findings concerning characteristics of responses to administration of vaccines containing antigenic complexes of enteric bacteria and tetanus toxoid] Kreĭnin LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):18–23, Apr 76 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Reactions to adsorbed triple vaccine. Cooverji ND, et al. **Indian Pediatr** 12(9):875–7, Sep 75

[Paralysis after tetanus prevention] Gersbach P, et al. **Schweiz Med Wochenschr** 106(5):150–3, 31 Jan 76 (Eng. Abstr.) **(Fre)**

[Anaphylactic shock due to tetanus toxoid] Chanukoglu A, et al. **Harefuah** 89(10):456–7, 16 Nov 75 (Eng. Abstr.) **(Heb)**

ANALYSIS

Diphtheria and tetanus toxoids: results of assays for the presence of bovine antigens. Cox CB, et al. **J Biol Stand** 4(2):81–9, Apr 76

METABOLISM

The effect of co-trimoxazole on antitoxin response to tetanus toxoid. Letley E, et al. **Chemotherapy** 21(3–4):175–80, 1975

Affinity chromatography of tetanus toxin, tetanus toxoid, and botulinum A toxin on synaptosomes, and differentiation of their acceptors. Habermann WE. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):1–9, 24 Mar 76

[Permeability of sublingual mucosa to organic molecules. Limited role of sublingual absorption in aerosol vaccinations] Buclon M, et al. **C R Soc Biol (Paris)** 169(5):1227–31, 1975 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[Influence of Di-Te and Di-Te-Per vaccincine na tuberkulinsku osetljivost zamoraca Milinkovic M. **Plucne Bolesti Tuberk** 27(1–2):61–5, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

STANDARDS

A collaborative investigation of a potency assay for adsorbed tetanus vaccines based on the protection of mice from tetanic paralysis. Mussett MV, et al. **J Biol Stand** 4(2):141–8, Apr 76

Standardization and control of toxoid components in the combined vaccine (DPT). Kondo S, et al. **Jpn J Med Sci Biol** 27(6):315–9, Dec 74

[Improvement of methods of control of the harmlessness of whooping-cough and DPT vaccines] Chuprinina RP. **Zh Mikrobiol Epidemiol Immunobiol** (4):126–7, Apr 75 **(Rus)**

THERAPEUTIC USE

Editorial: Preventing tetanus in patients with wounds. Fraser DW. **Ann Intern Med** 84(1):95–7, Jan 76

Active immunization against tetanus in man. III. Antibody response to vaccine injections in the presence of therapeutic doses of human tetanus immune globulin. a record of five cases. Ullberg-Olsson K. **Eur Surg Res** 7(6):305–14, 1975

Problems in preparation, testing and use of diphtheria, pertussis and tetanus vaccines. Banker DD. **Prog Drug Res** 19:229–40, 1975

[Tetanus prevention] **Ned Tijdschr Geneeskd** 120(7):297–8, 14 Feb 76 **(Dut)**

[Apropos of the oral trivalent and anti-poliomyelitis vaccination in Belgium. Epidemiological considerations, counter indications and practical attitudes] Denis R. **Arch Belg Med Soc** 33(9–10):542–50, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Changes in anti-tetanus antibodies under sero-toxoid therapy. Study in 50 patients with tetanus] Goulon M, et al. **Nouv Presse Med** 5(13):847–50, 27 Mar 76 (Eng. Abstr.) **(Fre)**

[Antitetanic vaccination] del Piano M. **Nuovi Ann Ig Microbiol** 26(2–3):87–125, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

TETANY

[Postoperative hypoparathyroidismus] Gossmann HH, et al. **Internist (Berlin)** 17(6):276–81, Jun 76 **(Ger)**

CHEMICALLY INDUCED

Estrogen-induced tetany in idiopathic hypoparathyroidism. Burckhardt P, et al. **Horm Res** 6(5–6):321–8, 1975

Hypocalcemic tetany: result of high-phosphate enema. Rao KJ, et al. **NY State J Med** 76(6):968–9, Jun 76

COMPLICATIONS

Tetany, malabsorption, and mastocytosis. Dantzig PI. **Arch Intern Med** 135(11):1514–8, Nov 75

Bone injuries due to tetany or convulsions during hemodialysis. Sakai S, et al. **Clin Orthop** (118):118–23, Jul–Aug 76

Anterior tibial compartment syndrome following prolonged tetany. Lees AJ. **J Neurol Neurosurg Psychiatry** 39(4):406–8, Apr 76

[Tetanic cataract] Srenger Z, et al. **Lijec Vjesn** 97(2):100–2, Feb 75 (Eng. Abstr.) **(Cro)**

[Case of bilateral cataract in the course of postoperative hypocalcemic tetany in a 36-year-old woman] Jaworek K. **Klin Oczna** 46(3):319–21, Mar 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Importance of diagnose and treatment of 'cryptotetany' in common medical practice (author's transl)] Puissant F, et al. **J Belge Rhumatol Med Phys** 30(3):164–76, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Tetanic attacs] Bahner F. **Med Welt** 26(17):800–4, 25 Apr 75 **(Ger)**

[Electromyographic diagnosis of tetany] Lange A. **Z Gesamte Inn Med** 30(23):768–71, 1 Dec 75 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Responses to the lowering of magnesium and calcium concentrations in the cerebrospinal fluid of unanesthetized sheep. Allsop TF, et al. **Aust J Biol Sci** 28(5–6):475–81, Dec 75

Latent tetany and anxiety, marginal magnesium deficit, and normocalcemia. Seelig MS, et al. **Dis Nerv Syst** 36(8):461–5, Aug 75

Clinical conferences at The Johns Hopkins Hospital. Tetany in a patient with secondary hemochromatosis. Griesemer DA. **Johns Hopkins Med J** 138(2):61–4, Feb 76

[Tetanic susceptibility in stutterers and chatterers] Laštovka M. **Cesk Otolaryngol** 25(1):36–40, Feb 76 (Eng. Abstr.) **(Cze)**

[Malabsorption neuromyopathy caused by Crohn's disease] Kobayashi T, et al. **Clin Neurol (Tokyo)** 16(1):66–73, Jan 76 (Eng. Abstr.) **(Jpn)**

[Hypocalcemia and tetany in meningioma, its disappearance after removal of the tumor. Paraneoplastic syndrome] Mazzei TS, et al. **Rev Clin Esp** 141(2):183–6, 30 Apr 76 **(Spa)**

HISTORY

Nutrition classics. Bulletin of the Johns Hopkins Hospital 19:91–2; 1908. On the relation of the parathyroid to calcium metabolism and the nature of tetany. W.G. MacCallum and

C. Voegtlin. MacCallum WG, et al. **Nutr Rev** 34(7):212–3, Jul 76

PHYSIOPATHOLOGY

Normocalcemic tetany. A problem of erethism. Isgreen WP. **Neurology (Minneap)** 26(9):825–34, Sep 76

[Electromyographic study on the effect of oral calcium and vitamin D administration normocalcemic tetany] Deecke L, et al. **Nervenarzt** 47(2):130–2, Feb 76 **(Ger)**

THERAPY

[Normocalcemic tetany as a psycho-functional syndrome. Consequences for the medical handling of patients suffering from tetany] Rose HK. **Verh Dtsch Ges Inn Med** 81:1740–4, 1975 **(Ger)**

VETERINARY

28Mg kinetics in ewes fed normal or tetany prone grass. Larvor P. **Cornell Vet** 66(3):413–29, Jul 76

Plasma and cerebrospinal fluid magnesium, calcium and potassium concentrations in dairy cows with hypomagnesaemic tetany. Pauli JV, et al. **NZ Vet J** 22(12):227–31, Dec 74

Tetany in cattle. Herrick JB. **Vet Med Small Anim Clin** 70(9):1050–1, Sep 75

[Treatment of animals and the prevention of tetany] Sheremeta DM. **Veterinariia** (4):19–21, Apr 75 **(Rus)**

TETRABENAZINE

ADMINISTRATION & DOSAGE

Letter: Low-dosage treatment with tetrabenazine. Schneider R, et al. **Br Med J** 1(6019):1212, 15 May 76

PHARMACODYNAMICS

Modifications by lithium of behavioral responses to methamphetamine and tetrabenazine. Furukawa T, et al. **Psychopharmacologia** 42(3):243–8, 19 Jun 75

[Studies on the situational factors affecting the effect of psychotrophic drugs—I. Daily fluctuation of sedative effect of tetrabenazine (author's transl)] Nagayama H, et al. **Psychiatr Neurol Jpn** 77(12):925–32, 1975 **(Jpn)**

THERAPEUTIC USE

Tetrabenazine in the treatment of Huntington's chorea. Huang CY, et al. **Med J Aust** 1(16):583–4, 17 Apr 76

Combined therapy with tetrabenazine and pimozide in Huntington's chorea: pilot study. McArthur AW, et al. **NZ Med J** 83(558):114–6, 25 Feb 76

TETRACAINE

Spinal anesthesia: bupivacaine versus tetracaine. Pflug EA, et al. **Anesth Analg (Cleve)** 55(4):489–92, Jul–Aug 76

Letter: Tetracaine as a local anesthetic in otolaryngology. Titche LL. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):149, Jan–Feb 76

Proton magnetic resonance and viscosity studies of the interaction of local anesthetics and micelles. Fernández MS, et al. **Arch Biochem Biophys** 172(2):721–5, Feb 76

Fluidity of natural membranes and phosphatidylserine and ganglioside dispersions. Effect of local anesthetics, cholesterol and protein. Feinstein MB, et al. **Biochim Biophys Acta** 413(3):354–70, 16 Dec 75

Sheep: a model for testing spinal and epidural anesthetic agents. Lebeaux M. **Lab Anim Sci** 25(5):629–33, Oct 75

Topical anesthesia of the uterine cervix or corpus. Munsick RA. **Obstet Gynecol** 46(5):613–5, Nov 75

BLOOD

The penetration of local anesthetics into the red blood cell membrane as studied by fluorescence quenching. Koblin DD, et al. **Arch Biochem Biophys** 171(1):176–82, Nov 75

PHARMACODYNAMICS

Inhibition of ATPase activity in human red cell membranes by tetracaine. Bond GH, et al. **Biochem Pharmacol** 25(3):267–70, 1 Feb 76

Differential B and C fibre block by an amide- and an ester-linked local anaesthetic. Scurlock JE, et al. **Br J Anaesth** 47(11):1135–9, Nov 75

Inter-relations between the phospholipids of rat pancreatic islets during glucose stimulation, and their response to medium inositol and tetracaine. Freinkel N, et al. **Eur J Biochem** 59(1):245–52, 1 Nov 75

Use of polymyxin B, levallorphan, and tetracaine to isolate novel envelope mutants of Escherichia coli. Dame JB, et al. **J Bacteriol** 127(2):961–72, Aug 76

Effects of local anesthetics on cell morphology and membrane-associated cytoskeletal organization in BALB/3T3 cells. Nicolson GL, et al. **J Cell Biol** 68(2):395–402, Feb 76

Effect of local anesthetics on chloride transport in erythrocytes. Gunn RB, et al. **J Membr Biol** 25(3–4):311–26, 1975–76

An analysis of the mechanism of local anesthetic inhibition of platelet aggregation and secretion. Feinstein MG, et al. **J Pharmacol Exp Ther** 197(1):215–28, Apr 76

The effect of caffeine and tetracaine on the time course of potassium contractures of single muscle fibres. Caputo C. **J Physiol (Lond)** 255(1):191–207, Feb 76

Combined effects of dissociable and undissociable local anesthetics upon ATP-induced firefly bioluminescence. Kamaya H, et al. **Proc Natl Acad Sci USA** 73(6):1868–71, Jun 76

STANDARDS

[Comparative tests of tetracian and of the new local anesthetic carticain in spinal anesthesiasa double placebo study] Maltzan R. **Prakt Anaesth** 11(2):91–5, Apr 76 (Eng. Abstr.) **(Ger)**

URINE

[Determination of tetracaine N-oxide in urine by gas chromatography (author's transl)] Fukuda J, et al. **J Pharm Soc Jpn** 95(4):480–3, Apr 75 (Eng. Abstr.) **(Jpn)**

TETRACHLORODIBENZODIOXIN see under **DIOXINS**

TETRACHLOROETHYLENE

ADVERSE EFFECTS

Phosgene formation during welding in air contaminated with perchloroethylene. Andersson HF, et al. **Ann Occup Hyg** 18(2):129–32, Sep 75

ANALYSIS

Atmospheric formation of carbon tetrachloride from tetrachloroethylene. Singh HB, et al. **Environ Lett** 10(3):253–6, 1975

METABOLISM

Experimental human exposures to tetrachloroethylene: vapor and elimination in breath after inhalation. Fernandez J, et al. **Am Ind Hyg Assoc J** 37(3):143–50, Mar 76

THERAPEUTIC USE

A comparative study of bitoscanate, bephenium hydroxynaphthoate and tetrachlorethylene in hookworm infection. Johnson S. **Prog Drug Res** 19:70–4, 1975

Comparative study of bitoscanate, bephenium hydroxynaphthoate and tetrachlorethylene in hookworm disease. Mutalik GS, et al. **Prog Drug Res** 19:86–9, 1975

TOXICITY

[Morphofunctional study of mast cells under the influence of 1,2,3-trichlorpropane and tetrachlorethylene] Tarasova KI. **Gig Sanit** (11):106–9, Nov 75 **(Rus)**

TETRACYCLINE

Proposed partition mechanism of tetracycline. Terada H, et al. **Chem Pharm Bull (Tokyo)** 23(9):1960–8, Sep 75

Fatty liver induced by tetracycline in the rat. Dose-response relationships and effect of sex. Breen KJ, et al. **Gastroenterology** 69(3):714–23, Sep 75

pH dependence of carbon-13 nuclear magnetic resonance shifts of tetracycline. Microscopic dissociation constants. Asleson GL, et al. **J Am Chem Soc** 98(16):4745–9, 4 Aug 76

Effect of added electrolyte on the binding of tetracycline to paramagnetic ion probes. A 13C and 1H nuclear magnetic resonance study. Gulbis J, et al. **J Am Chem Soc** 98(5):1280–1, 3 Mar 76

Letter: Absolute configuration of tetracycline. Erickson M, et al. **J Pharm Sci** 65(7):IV, Jul 76

The effect of some additives on the adsorption of tetracycline hydrochloride on magnesium trisilicate and milk. Daabis NA, et al. **Pharmazie** 31(2):125–9, 1976

Synthesis of an R plasmid protein associated with tetracycline resistance is negatively regulated. Yang HL, et al. **Proc Natl Acad Sci USA** 73(5):1509–12, May 76

Proceedings: A study of the in vitro dissolution behaviour of different brands of sulphathiazole tablets and tetracycline hydrochloride capsules. York P. **West Afr J Pharmacol Drug Res** 2(1):91P, Dec 74

[The value of tetracycline fluorochromation for the identification of skeletal finds] Kijewski H, et al. **Beitr Gerichtl Med** 33:264–8, 1975 (Eng. Abstr.) **(Ger)**

[99m Technetium-labelled tetracycline for kidney scintigraphy (animal experiment studies and 1st clinical experiences)] Krüger M, et al. **Radiol Diagn (Berl)** 16(1):17–22, 1975 (Eng. Abstr.) **(Ger)**

[Research on the stability of tetracycline hydrochloride in some unguent or syrup forms] Pastia A, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):455–9, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

Syphilis—recommended treatment schedules, 1976. **Am Fam Physician** 14(3):119–21, Sep 76

[Healing of intestinal sutures after administration of antibiotics and cortisone in experiments (author's transl)] Mann M, et al. **Cesk Gastroenterol Vyz** 29(5):314–9, Jul 75 (Eng. Abstr.) **(Cze)**

[The behaviour of creatine phosphokinase in serum after the intramuscular injection of a Tetracyclin preparation (author's transl)] Kark B, et al. **Med Klin** 70(34):1341–4, 22 Aug 75 (Eng. Abstr.) **(Ger)**

[Differentiation of the degree of bioavailability of peroral drug forms of tetracycline hydrochloride in experiments on laboratory animals] Zak AF, et al. **Antibiotiki** 21(2):151–5, Feb 76 (Eng. Abstr.) **(Rus)**

[The redox state of nicotinamide adenine dinucleotides in the liver of rats after long-term administration of tetracycline (author's transl)] Barna K, et al. **Bratisl Lek Listy** 65(1):40–6, Jan 76 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Letter: Side effects of long-term low-dosage tetracycline for acne. Gisslén H, et al. **Acta Derm Venereol (Stockh)** 55(6):502, 1975

Morphological and histochemical changes in the liver of rats treated with tetracyclines. Hagel E, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):45–6, 1976

Porphyria-like cutaneous changes induced by tetracycline hydrochloride photosensitization. Epstein JH, et al. **Arch Dermatol** 112(5):661–6, May 76

Tetracycline in man. pp. 263–8. Combes B. **In: Gerok W, Sickinger K, ed. Drugs and the liver. Stuttgart, Schattauer, 1975. W3 FR446 1973d.**

Pathogenesis of tetracycline-induced fatty liver. pp. 269–80. Schenker S, et al. **In: Gerok W, Sickinger K, ed. Drugs and the liver. Stuttgart, Schattauer, 1975. W3 FR446 1973d.**

Letter: Tetracycline. Bart RS. **JAMA** 236(4):344, 26 Jul 76

Esophageal ulcers associated with tetracycline therapy. Crowson TD, et al. **JAMA** 235(25):2747–8, 21 Jun 76

Tetracycline toxicity presenting as a multisystem disease. Fox SA, et al. **Mt Sinai J Med NY** 43(2):129–35, Mar–Apr 76

Letter: Tetracycline in pregnancy. Greene GR. **N Engl J Med** 295(9):512–3, 26 Aug 76

Splinter hemorrhages and onycholysis: unusual reactions associated with tetracycline hydrochloride therapy. Sanders CV, et al. **South Med J** 69(8):1090–2, Aug 76

[Dangers of the use of tetracycline during pregnancy] Kiriushchenkov AP, et al. **Vopr Okhr Materin Det** 20(9):73–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Eosinophilic lung infiltrate caused by Tetracycline?] **Lakartidningen** 72(48):4735, 26 Nov 75 **(Swe)**

ANALYSIS

Analysis of tetracycline in pharmaceutical preparations by improved high-performance liquid chromatographic method. Tsuji K, et al. **J Pharm Sci** 65(3):400–4, Mar 76

Separation and quantitative determination of impurities in tetracycline. Willekens GJ. **J Pharm Sci** 64(10):1681–6, Oct 75

Comparative effectiveness of tetracycline, minocycline and doxycycline in treatment of acute-on-chronic bronchitis. A study based on sputum levels. Ruhen RW, et al. **Med J Aust** 1(6):151–3, 7 Feb 76

Minocycline, doxycycline and tetracycline levels in serum and bronchial secretions of patients with chronic bronchitis. Ruhen RW, et al. **Pathology** 7(3):193–7, Jul 75

[Methods of determining admixtures in commercial preparations of tetracycline] Zak AF, et al. **Antibiotiki** 20(8):685–8, Aug 75 (Eng. Abstr.) **(Rus)**

[Identification and photoelectrocolorimetric determination of tetracycline and tetracycline hydrochloride] Svinchuk VS. **Farm Zh** (1):72–4, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

[Effect of orthophosphate on the growth rate and biosynthesis of tetracycline by an Actinomyces aureofaciens culture] Makarevich VG, et al. **Antibiotiki** 20(4):295–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Regulation of tetracycline biosynthesis by controlling the growth of the producer] Makarevich VG, et al. **Antibiotiki** 21(3):205–10, Mar 76 (Eng. Abstr.) **(Rus)**

[Effect of dissolved carbon dioxide on tetracycline biosynthesis] Sherstobitova TS, et al. **Antibiotiki** 21(4):291–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Mathematical model of the effect of inorganic phosphorus on the tetracycline biosynthesis process] Tarasova SS, et al. **Antibiotiki** 21(3):211–4, Mar 76 (Eng. Abstr.) **(Rus)**

BLOOD

Quantitation of antibiotics using high-pressure liquid chromatography: tetracycline. Nilsson-Ehle I, et al. **Antimicrob Agents Chemother** 9(5):754–60, May 76

Undernutrition and tetracycline half life. Shastri RA, et al. **Clin Chim Acta** 66(2):157–64, 16 Jan 76

CHEMICAL SYNTHESIS

Experiments on the synthesis of tetracycline. Part XIV. Closure of ring B by base-catalysed photocyclisation. Barton DH, et al. **J Chem Soc [Perkin 1]** (5):503–7, 1976

DIAGNOSTIC USE

Assay of bone resorption in vivo with 3H-tetracycline. Klein L, et al. **Calcif Tissue Res** 20(3):275–90, 14 Jun 76

Tetracycline fluorescence test in malignant lesions of the colon. Soman MN, et al. **Indian J Cancer** 12(3):275–8, Sep 75

Tumor model studies of 131I-tetracycline and other compounds. Chauncey DM, et al. **J Nucl Med** 17(4):274–81, Apr 76

Mechanism of localization of 99mTc-labeled pyrophosphate and tetracycline in infarcted myocardium. Dewanjee MK,

et al. **J Nucl Med** 17(7):639–46, Jul 76

Time course of 99mTc(Sn)–tetracycline uptake in experimental acute myocardial infarction. Holman BL, et al. **J Nucl Med** 16(12):1144–6, Dec 75

[99m Technetium–labelled tetracycline for kidney scintigraphy (animal experiment studies and 1st clinical experiences)] Krüger M, et al. **Radiol Diagn (Berl)** 16(1):17–22, 1975 (Eng. Abstr.) **(Ger)**

[Tetracycline fluorescence test in the diagnosis of bronchopleuropulmonary tumors. Its value compared with other examinations of the sputum and pleural effusion] Fossati C. **Quad Sclavo Diagn** 11(3):646–60, Sep 75 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

[Effect of tetracycline and oleandomycin on the indices of nonspecific resistance in aseptic inflammation under conditions of changes in the body's reactivity] Plaksin AI, et al. **Antibiotiki** 21(6):541–5, Jun 76 (Eng. Abstr.) **(Rus)**

[Tetracycline and the primary immune response] Slavcheva EK. **Antibiotiki** 21(1):75–9, Jan 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Use of auxilliary filtration materials in separating coagulated admixtures from native solutions of tetracycline antibiotics] Lin'kova OS, et al. **Antibiotiki** 21(1):34–7, Jan 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of drug vehicle on human ocular retention of topically applied tetracycline. Massey JY, et al. **Am J Ophthalmol** 81(2):151–6, Feb 76 (5 ref.)

Concurrent exchange of 45Ca and 3H–tetracycline from rat bone in vitro. Klein L, et al. **Calcif Tissue Res** (2):229–34, 20 Apr 76

Tetracycline. **J Am Pharm Assoc** 15(12):709–12, Dec 75

Enterohepatic circulation of tetracycline in rats. Adir J. **J Pharm Sci** 64(11):1847–50, Nov 75

Light–induced tetracycline accumulation by Rhodopseudomonas sphaeroides. Weckesser J, et al. **J Supramol Struct** 4(4):515–20, 1976

[Physico–chemical property and gastrointestinal absorption of some solid phases to tetracycline (author's transl)] Miyazaki S, et al. **J Pharm Soc Jpn** 95(6):629–33, Jun 75 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Relation between lipophilicity and pharmacological behavior of minocycline, doxycycline, tetracycline, and oxytetracycline in dogs. Barza M, et al. **Antimicrob Agents Chemother** 8(6):713–20, Dec 75

Tetracycline resistance in Escherichia coli isolates from hospital patients. Camiolo SM, et al. **Antimicrob Agents Chemother** 8(4):488–94, Oct 75

Association of a penicillin resistance gene with a tetracycline resistance plasmid (PTP–2) in Staphylococcus aureus. Kono M, et al. **Antimicrob Agents Chemother** 9(4):706–12, Apr 76

Detection of temperature–sensitive tetracycline resistance plasmids in Staphylococcus aureus. May JW, et al. **Antimicrob Agents Chemother** 8(5):606–7, Nov 75

Isolation and characterization of tetracycline resistance proteins from Staphylococcus aureus and Escherichia coli. Wojdani A, et al. **Antimicrob Agents Chemother** 9(3):526–34, Mar 76

R–factor–mediated resistance to tetracycline in Escherichia coli K12: an R–factor with a mutation to temperature–sensitive tetracycline resistance. Young TW, et al. **Biochem Biophys Res Commun** 70(1):117–24, 3 May 76

Stabilization of rat liver tyrosine aminotransferase by tetracycline. Hannah R, et al. **Biochem J** 150(3):329–33, Sep 75

Differential sensitivity to antibiotics of trp mRNA synthesis originating at the trp promoter and the lambda promoter. Ihara S, et al. **Biochim Biophys Acta** 432(2):212–22, 3 May 76

Proceedings: Interaction of tetracycline and lucanthone on radiation damage in mammalian embryos as dependent on LET (experiments with pions). Fritz–Niggli H, et al. **Br J Cancer** 32(6):765, Dec 75

Correlation of in vitro resistance of Staphylococcus aureus to tetracycline, doxycycline, and minocycline with in vivo use. Lewis SA, et al. **Chemotherapy** 22(5):319–23, 1976

In vitro susceptibility of Acinetobacter calcoaceticus (Herellea vagincola) to tetracycline and minocycline. Thomas ET, et al. **Curr Ther Res** 19(1):140–4, Jan 76

The characteristics of eleven mutants of R–factor R57 constitutive for tetracycline resistance, selected and tested in Escherichia coli K12. Reeve EC, et al. **Genet Res** 25(3):297–312, Jun 75

The relation of a tetracycline–induced R factor membrane protein to tetracycline resistance. pp. 215–25. Levy SB.

In: Mitsuhashi S, et al., ed. Drug–inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Staphylococcal plasmids carrying tetracycline and chloramphenicol resistance. pp. 153–64. Inoue M, et al.

In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

The activity of minocycline against tetracycline resistant pathogens in the respiratory tract. pp. 357–62. Williams JD, et al.

In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Bacterial interference: effects of oral antibiotics on the normal throat flora and its ability to interfere with group A streptococci. Sanders CC, et al. **Infect Immun** 13(3):808–12, Mar 76

Mechanism of tetracycline resistance in Pseudomonas aeruginosa carrying an R factor. O'Hara K, et al. **J Antibiot (Tokyo)** 28(8):607–8, Aug 75

Activity of minocycline and tetracycline against respiratory pathogens related to blood levels. Wood MJ, et al. **J Antimicrob Chemother** 1(3):323–31, Sep 75

Translocation of the tetracycline resistance determinant from R100–1 to the Escherichia coli K–12 chromosome. Foster TJ, et al. **J Bacteriol** 124(3):1153–8, Dec 75

Isolation, by tetracycline selection, of small plasmids derived from R–factor R12 in Escherichia coli K–12. Mickel S, et al. **J Bacteriol** 127(1):644–55, Jul 76

Genetic linkage of chromosomal tetracycline resistance and pigmentation to a purine auxotrophic marker and the isoleucine–valine–leucine structural genes in Staphylococcus aureus. Pattee PA. **J Bacteriol** 127(3):1167–72, Sep 76

Inheritance of low–level resistance to penicillin, tetracycline, and chloramphenicol in Neisseria gonorrhoeae. Sparling PF, et al. **J Bacteriol** 124(2):740–9, Nov 75

Dose–dependent ultrastructural changes induced by tetracycline in developing dental tissues of the rat. Kruger BJ. **J Dent Res** 54(4):822–8, Jul–Aug 75

Induction of tetracycline resistance in Staphylococcus aureus in the absence of lipid synthesis. Chopra I. **J Gen Microbiol** 91(2):433–6, Dec 75

R factor tetracycline and chloramphenicol resistance in Escherichia coli K12 cmlB mutants. Foster TJ. **J Gen Microbiol** 90(2):303–10, Oct 75

Genetic analysis of deletions of R100–1 that are both transfer–deficient and tetracycline–sensitive. Foster TJ, et al. **J Gen Microbiol** 93(1):133–40, Mar 76

Plasmid–determined tetracycline resistance in Streptococcus faecalis: tandemly repeated resistance determinants in amplified forms of pAMalpha1 DNA. Yagi Y, et al. **J Mol Biol** 102(3):583–600, 15 Apr 76

Proceedings: Inducible tetracycline resistance in R+ and R– strains of Proteus mirabilis. Hesslewood SR. **J Pharm Pharmacol** 27 Suppl?–2:45P, Dec 75

Quantitative and qualitative determinations of the combined effect of tetracycline and oleandomycin. I. In vitro effect. Tone J, et al. **Jpn J Antibiot** 29(5):559–70, May 76

Quantitative and qualitative determinations of the combined effect of tetracycline and oleandomycin. II. In vivo effect. Tone J, et al. **Jpn J Antibiot** 29(5):571–9, May 76

Effects of chemotherapeutics on bacterial ecology in the water of ponds and the intestinal tracts of cultured fish, ayu (Plecoglossus altivelis). Aoki T. **Jpn J Microbiol** 19(1):7–12, Feb 75

Haemophilus influenzae type B resistant to tetracycline isolated from children with meningitis. Hansman D. **Lancet** 2(7941):893–6, 8 Nov 75

Physical studies of a plasmid mediating tetracycline resistance and hydrogen sulfide production in Escherichia coli. Bouanchaud DH, et al. **Mol Gen Genet** 140(4):355–9, 22 Oct 75

Tetracycline–sensitive mutants of the F–like R factors R100 and R100–1. Foster TJ. **Mol Gen Genet** 137(1):85–88, 1975

R factor–mediated tetracycline resistance in Escherichia coli K12. Dominance of some tetracycline sensitive mutants and relief of dominance by deletion. Foster TJ. **Mol Gen Genet** 143(3):339–44, 2 Feb 76

Effect of tetracycline on cultured mouse cells. Tsutsui T, et al. **Mutat Res** 40(3):261–8, Jul 76

Mechanisms in acute oliguric renal failure induced by tetracycline infusion. Clausen G, et al. **Scand J Clin Lab Invest** 35(7):625–33, Nov 75

Dose and age dependent variations in effect of tetracycline on enamel formation in rat. Westergaard J, et al. **Scand J Dent Res** 83(1):209–32, Jul 75

The effect of doxycycline and tetracycline hydrochloride on the aerobic fecal flora, with special reference to Escherichia coli. Alestig K, et al. **Scand J Infect Dis** 7(4):265–71, 1975

A bacteriophage S1 derivative that transduces tetracycline resistance to Staphylococcus aureus. Inoue M, et al. **Virology** 68(2):544–6, Dec 75

Recombination between phage S1 and the TC–resistant gene on Staphylococcus aureus plasmid. Inoue M, et al. **Virology** 72(2):322–9, 15 Jul 76

[The effect of age and drugs on the course of skin wound healing in humans (author's transl)] Mann M, et al. **Cas Lek Cesk** 115(28):841–6, 16 Jul 76 (Eng. Abstr.) **(Cze)**

[Pneumococci resistant to tetracycline and chloramphenicol as a cause of fatal pleuropneumonia] Vavroš B, et al. **Vnitr Lek** 22(4):353–8, Apr 76 (Eng. Abstr.) **(Cze)**

[Hepatic lipids of intact or thyroidectomized rats after administration of tetracycline or ethanol] Chaibi A, et al. **Arch Int Physiol Biochim** 83(3):535–52, Aug 75 (Eng. Abstr.) **(Fre)**

[On the inhibitory effect of chloramphenicol on mitochondrial protein synthesis as a possible cause of its selective toxic side effects (author's transl)] Summ HD, et al. **Arzneim Forsch** 26(1):28–32, 1976 (Eng. Abstr.) **(Ger)**

[Tetracyclin and caries] Harndt R. **Dtsch Zahnaerztl Z** 30(11):741–4, Nov 75 (Eng. Abstr.) **(Ger)**

[Examination of bacteria in chronic bronchial infections. Importance of tetracycline–resistance of pneumococcus (author's transl)] Fodor T, et al. **Pneumonologie** 151(3):201–6, 1975 **(Ger)**

[Susceptibility to tetracycline and doxycycline of 80 strains of Bacteroides fragilis, B, thetaiotaomicron, and B. vulgatus mostly isolated in 1973/74 (author's transl)] Spengruber B, et al. **Zentralbl Bakteriol [Orig A]** 231(4):471–84, May 75 (Eng. Abstr.) **(Ger)**

[Anti–mycoplasmatic activity of 2 antracyclinic antibiotics] Buogo A, et al. **Boll Ist Sieroter Milan** 54(5):378–81, 20 Nov 75 (Eng. Abstr.) **(Ita)**

[Effect of corticosteroids and antibiotics on the cornea: a study by scanning electron microscopy (author's transl)] Takashima R, et al. **Acta Soc Ophthalmol Jpn** 79(7):639–51, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Decrease in tetracycline–resistant strains and changes in type distribution of Group A hemolytic streptococci recently isolated from patients with scarlet fever] Misuno K, et al. **J Jpn Assoc Infect Dis** 50(2):33–7, Feb 76 (Eng. Abstr.) **(Jpn)**

[R factor of Yersinia enterocolitica. Streptomycin (SM) and tetracycline (TC) resistance factor] Kimura S, et al. **Jpn J Bacteriol** 30(1):189, Jan 75 **(Jpn)**

[Mechanism of tetracycline (TC) and chloramphenicol (CP) resistant R factor of Pseudomonas aeruginosa] Ohara Y, et al. **Jpn J Bacteriol** 30(1):190, Jan 75 **(Jpn)**

[Effect of trypsin on the activity of tetracycline, erythromycin and levomycetin] Belizhenko GG. **Antibiotiki** (9):823–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Study of the joint action of lysozyme and the antibiotics, tetracycline, erythromycin and levomycetin, on Staphylococcus aureus] Belizhenko GG, et al. **Antibiotiki** 20(4):354–6, Apr 75 **(Rus)**

[Comparative study of the biological activity of tetracycline hydrochloride and morphocycline by using reverse turbidimetry] Saavedra FE, et al. **Antibiotiki** 20(10):926–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Analysis of the data in the literature on the sensitivity of cholera vibrios to tetracycline] Semiotrochev VL, et al. **Antibiotiki** 20(7):623–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Experimental study of the embryotropic action of tetracycline] Teslina OV, et al. **Antibiotiki** (9):839–42, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of thiamine, riboflavin and ascorbic acid on tetracycline, erythromycin and levomycetin activity] Velizhenko GG. **Antibiotiki** 20(7):610–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Isolation under the influence of tetracycline of L–forms of Menchikov's vibrio and the NAG vibrio and their biological properties] Timakov VD, et al. **Biull Eksp Biol Med** 80(9):56–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Nuclear suppression of a mitonchondrial mutation of tetracycline resistance in Saccharomyces cerevisiae] Nevzgliadova OV. **Genetika** 11(8):108–14, 1975 (Eng. Abstr.) **(Rus)**

[Single–parent inheritance of mitochondrial mutations resistant to tetracycline in Saccharomyces cerevisiae] Nevzgliadova OV. **Genetika** 11(6):119–27, 1975 (Eng. Abstr.) **(Rus)**

[Effect of tetracycline on placental permeability] Anufrieva RG, et al. **Gig Tr Prof Zabol** (1):45–7, Jan 76 **(Rus)**

[Adenosine phosphates in heart and liver mitochondria of intact and by isoproterenol pretreated rabbits after administration of tetracycline (author's transl)] Barnová E, et al. **Bratisl Lek Listy** 65(1):53–9, Jan 76 (Eng. Abstr.) **(Slo)**

[Influence of tetracycline on myocardial metabolism in the rabbit (author's transl)] Barnová E, et al. **Cas Lek Cesk** 115(4):97–9, 30 Jan 76 (Eng. Abstr.) **(Slo)**

[Metabolic response of the heart muscle to the administration of tetracycline] Barna K, et al. **Vnitr Lek** 22(7):625–31, Jul 76 (Eng. Abstr.) **(Slo)**

[Changes in monoamine oxidase activity and catecholamine content in the tissues of guinea pigs saturated with ascorbic acid under the influence of actinomycin D, tetracycline and cycloheximide] Lokoshko EA. **Ukr Biokhim Zh** 48(2):153–7, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

STANDARDS

[Evaluation of the quality of tetracyclines on chickens] Grezin VF, et al. **Veterinariia** (2):107–9, Feb 75 **(Rus)**

THERAPEUTIC USE

The antibacterial effect of antibiotics in treatment of maxillary sinusitis. Eneroth CM, et al. **Acta Otolaryngol (Stockh)** 81(5–6):475–83, May–Jun 76

Topical use of tetracycline in the treatment of acne: a double–blind study comparing topical and oral tetracycline therapy and placebo. Blaney DJ, et al. **Arch Dermatol** 112(7):971–3, Jul 76

Letter: On the treatment of panniculitis with tetracycline. Leong CH. **Arch Dermatol** 112(8):1176, Aug 76

Acne vulgaris: double–blind trial comparing tetracycline and clindamycin. Poulos ET, et al. **Arch Dermatol** 112(7):974–6, Jul 76

Tetracycline and proteolytic enzymes combined compared with tetracycline alone in acne vulgaris. Stankler L. **Br J Clin Pract** 30(3):65–6, Mar 76

A follow–up of tetracycline–treated rosacea. With special

reference to rosacea keratitis. Knight AG, et al. **Br J Dermatol** 93(5):577–80, Nov 75

Evaluation of a sustained-release oral tetracycline in non-specific urethritis. Perera PM. **Br J Vener Dis** 51(5):333–5, Oct 75

Letter: Alpha-chain disease cured with antibiotics. Roge J, et al. **Br Med J** 4(5990):225, 25 Oct 75

Letter: Alpha-chain disease cured with antibiotics. Wetter O. **Br Med J** 1(6013):835, 3 Apr 76

Letter: Treatment for malignant pleural effusions. Bezanilla AR. **Chest** 70(03):408–9, Sep 76

Intrapleural tetracycline for malignant pleural effusions. Wallach HW. **Chest** 68(4):510–2, Oct 75

Fungus superinfection in chronic obstructive airway disease. Chaubey BS, et al. **Indian J Chest Dis** 17(1):8–14, Jan 75

The effect of oral and topical tetracycline on acne severity and on surface lipid composition. Anderson RL, et al. **J Invest Dermatol** 66(3):172–7, Mar 76

Gastrointestinal dysfunction in immunoglobulin deficiency. Effect of corticosteroids and tetracycline. Diaz-Buxo JA, et al. **JAMA** 233(11):1189–91, 15 Sep 75

Controlled trial of prophylactic antibiotics in minor wounds requiring suture. Day TK. **Lancet** 2(7946):1174–6, 13 Dec 75

Letter: Previous antibiotic treatment and diagnosis of meningitis. Romer FK. **Lancet** 2(7942):977, 15 Nov 75

[Microbiologic findings in a controlled trial of rifampicin and tetracycline for the treatment of severe endemic trachoma in Tunisia] Dawson CR, et al. **Rev Int Trach** 51(4):59–69, 1974 **(Eng, Fre)**

The effectiveness of topical and oral tetracycline for acne. Smith JG Jr, et al. **South Med J** 69(6):695–7, Jun 76

Preoperative neomycin-tetracycline preparation of the colon for elective operations. Judd ES. **Surg Clin North Am** 55(6):1325–30, Dec 75

[Clinical evaluation of tetraaolean: comparative studies with tetracycline] Gelinov Kh, et al. **Vutr Boles** 15(1):59–65, 1976 (Eng. Abstr.) **(Bul)**

[Comparative study of the effect of rifampicin, of tetracycline and of a placebo in the treatment of trachoma] Daghfous T, et al. **Rev Int Trach** 51(4):71–80, 1974 (Eng. Abstr.) **(Fre)**

[Urinary concentration and antibacterial effect of short and long acting tetracycyline] Villani F, et al. **Schweiz Med Wochenschr** 105(11):341–4, 15 Mar 75 (Eng. Abstr.) **(Fre)**

[Oral acne therapy using tetracycline and vitamin A plus E] Walther H. **ZFA** 52(9):477–80, 31 Mar 76 **(Ger)**

[A new drug combination for the treatment of non-tubercular acute and chronic bronchopneumopathies] Rampazzo F. **Minerva Med** 67(12):725–31, 10 Mar 76 (Eng. Abstr.) **(Ita)**

[Vibramycin in the treatment of uncomplicated gonorrhea] Szyszymar B, et al. **Przegl Dermatol** 63(3):331–4, May-Jun 76 (Eng. Abstr.) **(Pol)**

[Possibilities in the treatment of pulp gangrene] Vatăman R, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):451–3, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

[Experience in the treatment of chronic gonorrhea in women with oletetrin in combination with gonovaccine and pyrogenal] Kirienko LV. **Vestn Dermatol Venerol** (8):83–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of sigmamycin and olemorphocycline in the treatment of exacerbations of chronic pyelonephritis] Soloshenko LV, et al. **Vrach Delo** (3):65–6, Mar 74 (Eng. Abstr.) **(Rus)**

TOXICITY

Influence of pH and route of injection on acute toxicity of tetracycline in mice. Wivagg RT, et al. **J Pharm Sci** 65(6):916–8, Jun 76

TETRACYCLINE-L-METHYLENE LYSINE see under **TETRACYCLINES**

TETRACYCLINES

Tetracyclines: chemistry, biochemistry, and structure-activity relations. Dürckheimer W. **Angew Chem [Engl]** 14(11):721–34, Nov 75 (204 ref.)

[Influence of subinhibitory doses of 7-dimethylamino-6-deoxy-6-demethyltetracycline on coagulase activities by Staphylococcus aureus strains sensitive to this antibiotic and resistant to alpha-6-deoxy-5-oxytetracycline (author's transl)] Thaller MC, et al. **Antibiotica** 11(3-4):134–46, Sep-Dec 73 **(Eng, Ita)**

A comparison of solubility characteristics of free bases and hydrochloride salts of tetracycline antibiotics in hydrochloric acid solutions. Miyazaki S, et al. **Chem Pharm Bull (Tokyo)** 23(6):1197–204, Jun 75

Letter: A 13C nuclear magnetic resonance analysis of the metal binding site in tetracycline. Gulbis J, et al. **J Am Chem Soc** 97(21):6248–9, 15 Oct 75

Preparation, isolation, and identification of 4-dedimethylamino-11-methoxyanhydrotetracycline. Stoel LJ, et al. **J Pharm Sci** 64(10):1635–8, Oct 75

Tetracyclines and mineralized tissues: review and perspectives. Skinner HC, et al. **Yale J Biol Med** 48(5):377–97, Nov 75

ADMINISTRATION & DOSAGE

High-dose tetracycline therapy in severe acne. Baer RL, et al. **Arch Dermatol** 112(4):479–81, Apr 76

Intensive and prolonged tetracycline therapy in non-specific urethritis. Helmy N, et al. **Br J Vener Dis** 51(5):336–9, Oct 75

Minocycline hydrochloride (Minocin) as a single-dose oral treatment of uncomplicated gonorrhoea in men. Masterton G, et al. **Br J Vener Dis** 52(1):43–5, Feb 76

Changes in intestinal flora of farm personnel after introduction of a tetracycline-supplemented feed on a farm. Levy SB, et al. **N Engl J Med** 295(11):583–8, 9 Sep 76

[Clinical study of i.v. Minocin in surgery] Capelle JP. **Brux Med** 56(6):269–71, Jun 76 **(Fre)**

[Clinical evaluation of minocycline for injection in pediatric field (author's transl)] Sato H, et al. **Jpn J Antibiot** 29(4):377–84, Apr 76 **(Jpn)**

ADVERSE EFFECTS

Ultrastructural changes in the exocrine pancreas of rats treated with tetracyclines. Lewicki Z, et al. **Ann Med Sect Pol Acad Sci** 21(1-2):73–4, 1976

Morphological and histochemical investigations of the duodenal mucosa of rats treated with tetracyclines. Lewicki Z, et al. **Ann Med Sect Pol Acad Sci** 21(1-2):75–6, 1976

Vestibular reactions associated with minocycline. Jacobson JA, et al. **Antimicrob Agents Chemother** 8(4):453–6, Oct 75

Distressing side-effects of minocycline hydrochloride. Fanning WL, et al. **Arch Intern Med** 136(7):761–2, Jul 76

Allergy to a tetracycline preparation-a case report. Fawcett IW, et al. **Clin Allergy** 6(3):301–4, May 76

Benign intracranial hypertension following tetracycline therapy. Sharma DB, et al. **Indian Pediatr** 12(7):609–10, Jul 75

A new approach to treatment of tetracycline stained teeth: report of a case. Mouradian WF, et al. **J Dent Child** 43(2):103–5, Mar-Apr 76

Minocycline for prophylaxis of infection with Neisseria meningitidis: high rate of side effects in recipients. Drew TM, et al. **J Infect Dis** 133(2):194–8, Feb 76

Tetracyclines. Adverse effects. Stapleton FB. **J Kans Med Soc** 77(1):12–3, 26, Jan 76

Minocycline: Possible vestibular side-effects. Williams DN, et al. **Lancet** 2(7883):744–6, 28 Sep 74

Tetracycline-induced tooth changes. Part 5. Incidence in extracted first permanent molar teeth: a resurvey after four years. Baker KL. **Med J Aust** 2(8):301–4, 23 Aug 75

Letter: A comment on 'requiem for tetracyclines'. Goebel CW. **Pediatrics** 57(2):297–8, Feb 76

[Adverse effect of tetracycline antibiotics on dental tissue and possibilities of its prevention (author's transl)] Antalovská Z. **Cas Lek Cesk** 115(13):400–3, 2 Apr 76 (Eng. Abstr.) **(Cze)**

[Letter: Intolerance to minocycline. Apropos of 38 cases] Lienard J, et al. **Nouv Presse Med** 4(22):1661–2, 31 May 75 **(Fre)**

[Intolerance to minocycline: apropos of 38 cases] Lienard J, et al. **Therapie** 30(3):459–62, May-Jun 75 **(Fre)**

ANALYSIS

Letter to the editor: Modified fluorometric assay for minocycline. Ace LN, et al. **Biochem Med** 12(4):401–2, Apr 75

Quantitative determination of some tetracycline antibiotics by nonaqueous titrimetry. Grieco C, et al. **Farmaco [Prat]** 31(3):140–9, Mar 76

Letter: Carbon-13 nuclear magnetic resonance spectral analysis of tetracycline hydrochloride and related antibiotics. Aleson GL, et al. **J Am Chem Soc** 97(21):6245–8, 15 Oct 75

Proceedings: Fluorimetric determination of tetracyclines - the use of metal ion complexation to increase assay sensitivity. Hall D. **J Pharm Pharmacol** 27 Suppl?-2:33P, Dec 75

Fluorimetric assay of tetracycline mixtures. Hall D. **J Pharm Pharmacol** 28(5):420–3, May 76

Comparative effectiveness of tetracycline, minocycline and doxycycline in treatment of acute-on-chronic bronchitis. A study based on sputum levels. Ruhen RW, et al. **Med J Aust** 1(6):151–3, 7 Feb 76

Minocycline, doxycycline and tetracycline levels in serum and bronchial secretions of patients with chronic bronchitis. Ruhen RW, et al. **Pathology** 7(3):193–7, Jul 75

[Quantitative determination of morphocycline] Buriak VP, et al. **Farm Zh** (1):91–2, Jan-Feb 75 **(Ukr)**

ANTAGONISTS & INHIBITORS

[Tetracycline resistance and cell-free systems of protein and polypeptide synthesis] Beliavskaia IV, et al. **Antibiotiki** 21(2):130–4, Feb 76 (Eng. Abstr.) **(Rus)**

BLOOD

Fluorimetric assay of tetracycline mixtures in plasma. pp. 111–4. Hall D.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Estimation of the degree of binding of tetracyclines in human plasma. Green RG, et al. **J Pharm Pharmacol** 28(6):514–5, Jun 76

CHEMICAL SYNTHESIS

Tetracycline derivatives. ii - a practical synthesis of minocycline. Bernardi L, et al. **Farmaco [Sci]** 30(9):736–41, Sep 75

Experiments on the synthesis of tetracycline. Part XIII. Oxidation of ring A model phenols to p-hydroxycyclohexadienones. Barton DH, et al. **J Chem Soc [Perkin I]** (16):1610–4, 1975

DIAGNOSTIC USE

[On the incremental lines in human dentine as revealed by tetracycline labelling (author's transl)] Ishikawa T, et al. **J Jpn Stomatol Soc** 42(1):7–21, Mar 75 **(Jpn)**

METABOLISM

Pharmacokinetics of minocycline in renal failure. Welling PG, et al. **Antimicrob Agents Chemother** 8(5):532–7, Nov 75

Interactions with the absorption of tetracyclines. Neuvonen PJ. **Drugs** 11(1):45–54, 1976

Uptake of oxytetracycline and minocycline by E. coli cells and their effect on protein synthesis. pp. 231–3. Beliavskaya IV, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

A comparison of the bioavailability of minocycline capsules and film-coated tablets. Cartwright AC, et al. **J Antimicrob Chemother** 1(3):317–22, Sep 75

The transport of tetracyclines across the mouse ileum in vitro: the effect of cations and other agents. Banerjee S, et al. **J Pharm Pharmacol** 28(2):133–8, Feb 76

Binding study of tetracyclines to human serum albumin using difference spectrophotometry. Zia H, et al. **J Pharm Sci** 65(2):226–30, Feb 76

[The incorporation of tetracyclines in calcified tissues] Piret N. **Rev Stomatol Chir Maxillofac** 77(2):362–3, Mar 76 **(Fre)**

[Pharmacokinetic study of minocycline after venous perfusion in the human] Le Verge R, et al. **Therapie** 31(1):105–19, Jan-Feb 76 (Eng. Abstr.) **(Fre)**

[Activity in vitro and pharmacokinetics of minocycline (author's transl)] Simon C, et al. **Arzneim Forsch** 26(4):556–60, Apr 76 (Eng. Abstr.) **(Ger)**

[Tetracycline distribution in the body of animals and its effect on cellular interaction in the immune response] Karput' IM. **Antibiotiki** 21(1):71–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Luminescent analysis in the study of the mechanism of action of ultrasound on corneal permeability] Nuritdinov VA. **Vestn Oftalmol** (1):44–6, 1976 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of resistance possessed by certain enteric microorganisms upon orally inoculated Salmonella. Hooper DG, et al. **Am J Vet Res** 37(3):345–7, Mar 76

Relation between lipophilicity and pharmacological behavior of minocycline, doxycycline, tetracycline, and oxytetracycline in dogs. Barza M, et al. **Antimicrob Agents Chemother** 8(6):713–20, Dec 75

Chelocardin-inducible resistance in Escherichia coli bearing R plasmids. Chabbert YA, et al. **Antimicrob Agents Chemother** 9(1):36–41, Jan 76

In vitro and in vivo activities of minocycline and other antibiotics against Acinetobacter (Herellea-Mima). Kuck NA. **Antimicrob Agents Chemother** 9(3):493–7, Mar 76

Rapid microbiological assay for chloramphenicol and tetracyclines. Louie TJ, et al. **Antimicrob Agents Chemother** 9(6):874–8, Jun 76

Activity of minocycline against Acinetobacter calcoaceticus var. anitratus (syn. Herellea vaginicola) and Serratia marcescens. Maderazo EG, et al. **Antimicrob Agents Chemother** 8(1):54–7, Jul 75

Minocycline resistance in Staphylococcus aureus: effect on phage susceptibility. Schaefler S, et al. **Antimicrob Agents Chemother** 9(4):600–13, Apr 76

Tetracycline-resistant T-mycoplasmas (Ureaplasma urealyticum) from patients with a history of reproductive failure. Spaepen MS, et al. **Antimicrob Agents Chemother** 9(6):1012–8, Jun 76

The effect of tetracyclines on the viscoelastic properties of bronchial mucus. Marriott C, et al. **Biorheology** 12(6):391–5, Oct 75

Minimum inhibitory concentrations of penicillin and minocycline for 300 isolates of N. gonorrhoeae. Shahidullah M, et al. **Br J Vener Dis** 51(4):265–6, Aug 75

Correlation of in vitro resistance of Staphylococcus aureus to tetracycline, doxycycline, and minocycline with in vivo use. Lewis SA, et al. **Chemotherapy** 22(5):319–23, 1976

In vitro susceptibility of Acinetobacter calcoaceticus (Herellea vagincola) to tetracycline and minocycline. Thomas ET, et al. **Curr Ther Res** 19(1):140–4, Jan 76

Tetracycline resistance unassociated with a change of cell wall permeability in E. coli. pp. 227–30. Navashin SM, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Some properties of phenotype in tetracycline resistant organisms. pp. 205–13. Navashin SN, et al.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

Formation of F'TET plasmids and fertility inhibition in F+ Proteus mirabilis strains. pp. 387–90. Tschäpe H.
In: Mitsuhashi S, et al., ed. Drug-inactivating enzymes

and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

The activity of minocycline against tetracycline resistant pathogens in the respiratory tract. pp. 357–62. Williams JD, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy, Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Ascorbic acid metabolism in mice treated with tetracycline & chloramphenicol. Banerjee S, et al.
Indian J Exp Biol 13(6):567–9, Nov 75

Differences in the therapeutic response of chlamydia-positive and chlamydia-negative forms of nongonococcal urethritis. Handsfield HH, et al. **J Am Vener Dis Assoc** 2(3):5–9, Mar 76

Activity of minocycline and tetracycline against respiratory pathogens related to blood levels. Wood MJ, et al.
J Antimicrob Chemother 1(3):323–31, Sep 75

Letter: Minocycline, amoxycillin and haemophilus influenzae. Corners B, et al. **NZ Med J** 82(553):398, 10 Dec 75

Assessment of ototoxic potential of minocycline in guinea pigs. Kepenis V, et al. **Toxicol Appl Pharmacol** 34(2):327–39, Nov 75

[Transfer of the tetracycline-chloramphenicol plasmid in Clostridium perfringens] Sebald M, et al.
C R Acad Sci [D] (Paris) 281(4):317–9, 28 Jul 75 (Eng. Abstr.) **(Fre)**

[Antibacterial activity of minocycline alone and associated with other antibiotics (author's transl)] Joly BH, et al.
Pathol Biol (Paris) 24(4):257–64, Apr 76 (Eng. Abstr.) **(Fre)**

[Effect of minocycline on Candida albicans. 'In vitro' study: comparison with tetracycline] Lavarde V, et al.
Pathol Biol (Paris) 23(9):725–8, Nov 75 (Eng. Abstr.) **(Fre)**

[The effect of tetracycline antibiotics on the calcium and magnesium content of rat incisors] Antalovská Z, et al.
Stomatol DDR 25(11):729–34, Nov 75 (Eng. Abstr.) **(Ger)**

[In vitro antibacterial activity of doxycycline and minocycline (author's transl)] Yokozawa M, et al.
Jpn J Antibiot 28(4):600–4, Aug 75 **(Jpn)**

[Study of the effect of tetracycline carboxamide derivatives on the cardiovascular and urinary systems] Aleutskiĭ NN, et al. **Antibiotiki** 20(5):467–70, May 75 (Eng. Abstr.) **(Rus)**

[Study of the mechanism of action of minocycline and of certain other tetracycline group compounds] Beliavskaia IV, et al. **Antibiotiki** 21(3):242–5, Mar 76 (Eng. Abstr.) **(Rus)**

[Resistance to nalidixic acid in tetracycline-resistant mutants of E. coli] Khanina MF, et al. **Antibiotiki** 20(12):1099–104, 1975 (Eng. Abstr.) **(Rus)**

[Pharmacokinetics of glycocycline administered intraportally] Koroleva VG, et al. **Antibiotiki** 20(5):462–4, May 75 (Eng. Abstr.) **(Rus)**

[Study of the effect of certain factors on the process of tetracycline antibiotic crystallization] Lin'kov GI, et al.
Antibiotiki 20(5):423–6, May 75 (Eng. Abstr.) **(Rus)**

[Comparative study of the biological activity of tetracycline hydrochloride and morphocycline by using reverse turbidimetry] Saavedra FE, et al. **Antibiotiki** 20(10):926–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Pharmacokinetic characteristics and the chemotherapeutic effectiveness of a 2% ditetracycline-erythromycin eye ointment] Vasil'ev VK, et al. **Antibiotiki** 21(3):238–42, Mar 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Acne therapy with tretinoin in combination with antibiotics. Kligman AM, et al.
Acta Derm Venereol [Suppl] (Stockh) 74:111–5, 27–29 Jan 75

Minocycline hydrochloride treatment for atypical acid-fast infection. Loria PR. **Arch Dermatol** 112(4):517–9, Apr 76

Editorial: Antibiotic therapy for acne vulgaris. Strauss JS. **Arch Dermatol** 3(12):1563, Dec 75

Editorial: Pills for pimples. **Br Med J** 1(6023):1423, 12 Jun 76

Letter: Prophylactic treatment of postgonococcal urethritis. Fowler W. **Br Med J** 1(6002):154–5, 17 Jan 76

Human respiratory tract infections with mycoplasmas and their in vitro susceptibility to tetracyclines and some other antibiotics. Mårdh PA. **Chemotherapy** 21 Suppl 1:47–57, 1975

Minocycline in gonorrhoeic and non-gonorrhoeic urethritis. Bjornberg A, et al. **Curr Ther Res** 19(2):216–9, Feb 76

Antibiotic treatment of acute bronchial infections superimposed on chronic obstructive pulmonary disease. Ellithorpe DB, et al. **Curr Ther Res** 20(2):121–9, Aug 76

Minocycline in acne vulgaris: a double-blind study. Hersle K, et al. **Curr Ther Res** 19(3):339–42, Mar 76

Therapeutic effectiveness of minocycline in nonspecific urethritis and other genitourinary infections. Rauf N.
Curr Ther Res 19(2):212–5, Feb 76

The treatment of steroid-induced rosacea and perioral dermatitis. Sneddon IB. **Dermatologica** 152 Suppl 1:231–7, 1976

Perioral dermatitis and rosacea-like dermatitis: clinical features and treatment. Urabe H, et al. **Dermatologica** 152 Suppl 1:155–60, 1976

Plasmodium berghei: development of resistance to clindamycin and minocycline in mice. Jacobs RL, et al. **Exp Parasitol** 40(1):116–23, Aug 76

Minocycline in the treatment of nongonococcal urethritis: its effect on Chlamydia trachomatis. Oriel JD, et al.
J Am Vener Dis Assoc 2(1):17–22, Sep 75

Minocycline in the treatment of lymphogranuloma venereum. Sowmini CN, et al. **J Am Vener Dis Assoc** 2(4):19–22, Jun 76

The management of the several stages of syphilis. Cave VG.
J Natl Med Assoc 67(4):289–93, Jul 75

Tetracyclines and periodontal therapy. Ciancio SG.
J Periodontol 47(3):155–9, Mar 76 (56 ref.)

Meningococcal disease. Secondary attack rate and chemoprophylaxis in the United States, 1974. **JAMA** 235(3):261–5, 19 Jan 76

Letter: Tetracyclines in gonorrhea therapy. Neumann HH, et al. **N Engl J Med** 294(13):730–1, 25 Mar 76

A new tetracycline minocycline compared with ampicillin in general practice. Gallagher DJ, et al. **NZ Med J** 83(558):105–7, 25 Feb 76

Guamecycline in bronchial infections due to Diplococcus pneumoniae. Lányi M, et al. **Panminerva Med** 14(1–2):24–9, Jan–Feb 72

Treatment of gonorrhea with minocycline. Pariser H, et al.
South Med J 68(10):1210, Oct 75

Actinomycotic mycetoma treated with minocycline: case report. Hubler WR Jr, et al. **Tex Med** 72(8):79–83, Aug 76

[Clinical and bacteriological evaluation of minocycline in mucoviscidosis in children] Gilly R, et al.
Poumon Coeur 30(5):375–82, 1974 (Eng. Abstr.) **(Fre)**

[Letter: Tetracycline in atypical pneumonia?] Wegmann T.
Dtsch Med Wochenschr 101(15):595–6, 9 Apr 76 **(Ger)**

[Tetracyclines for the treatment of mycoplamic prostato-urethritis] Hofstetter A, et al.
Munch Med Wochenschr 118(2):49–50, 9 Jan 76 **(Ger)**

[Which antibiotics are helpful in acne? A review of the literature and personal test results with minocyclin (klinomycin)] Kurka M, et al. **Z Hautkr** 51(2):45–54, 15 Jan 76 **(Ger)**

[Therapeutic effect of minomycin in scarlet fever] Tsuji M, et al. **J Jpn Assoc Infect Dis** 49(3):136–42, Mar 75 (Eng. Abstr.) **(Jpn)**

[Treatment of papilliform formations of external genitals in pregnant women with tetracyclines and vitamin A] Madej J, et al. **Ginekol Pol** 46(9):979–83, Sep 75 (Eng. Abstr.) **(Pol)**

[Functional state of the adrenal cortex in the antibiotic therapy of experimental staphylococcal infection] Loginov AV, et al. **Antibiotiki** 21(7):631–6, Jul 76 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of sigmamycin and olemorphocycline in the treatment of exacerbations of chronic pyelonephritis] Soloshenko LV, et al.
Vrach Delo (3):65–6, Mar 74 (Eng. Abstr.) **(Rus)**

TOXICITY

[Experimental data on hygienic norms for antibiotics of the tetracycline group] Zel'tser IZ, et al. **Antibiotiki** (9):793–8, Sep 75 (Eng. Abstr.) **(Rus)**

URINE

Modifications of the urinary volume and osmoluria caused by low doses of tetracyclines in rats. Boada JN, et al.
Arch Farmacol Toxicol 1(2):185–8, Aug 75

TETRADECANOIC ACIDS see **MYRISTIC ACIDS**

TETRADECANOYLPHORBOL ACETATE see under **PHORBOLS**

TETRAETHYL LEAD see under **ORGANOMETALLIC COMPOUNDS**

TETRAETHYLAMMONIUM COMPOUNDS

DIAGNOSTIC USE

Effects of azotemia on renal extraction and clearance of PAH and TEA. **Am J Physiol** 230(4):901–6, Apr 76

PHARMACODYNAMICS

Selection and analysis of a mutant Paramecium tetraurelia lacking behavioural response to tetraethylammonium. Chang SY, et al. **Genet Res** 27(2):97–107, Apr 76

The effects of tetraethylammonium on contraction, membrane potential and calcium permeability of vascular smooth muscle. pp. 363–8. Haeusler G, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

The effect of tetraethylammonium ion on the action potential of the longitudinal muscle of the canine antrum. pp. 247–9. Szurszewski JH.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Problems associated with the use of tetraethylammonium to test for monosynaptic connexions. Berry MS, et al.
J Exp Biol 62(3):797–803, Jun 75

Statistical parameters of transmitter release at frog neuromuscular junctions treated with guanidine or tetraethylammonium. Volle RL, et al.
J Pharmacol Exp Ther 197(3):653–61, Jun 76

Proceedings: Effect of intracellular tetraethylammonium chloride on the membrane conductance of the myocardium. Oji R, et al. **J Physiol Soc Jpn** 36(8–9):328–9, 1 Sep 74

Selective inhibition of potassium conductance in node of Ranvier with a photoaffinity label derived from tetraethylammonium. Hucho F, et al. **Nature** 260(5554):802–4, 29 Apr 76

Tetraethylammonium, ganglionic blocking agents, and the development of antihypertensive therapy. Acheson GH.
Perspect Biol Med 19(1):136–48, Autumn 75

[Proceedings: Effects of tetraethylammonium on sodium and calcium potentials of the guinea pig ureter] Ebihara T.
Jpn Arch Intern Med 11(4):234–6, Dec 75 **(Jpn)**

TETRAETHYLTHIURAM DISULFIDE see **DISULFIRAM**

TETRAHYDROCANNABINOL see under **CANNABIS**

TETRAHYDROCORTISOL see under **HYDROCORTISONE**

TETRAHYDROCORTISONE see under **CORTISONE**

TETRAHYDROFOLATE DEHYDROGENASE

Purification and characterization of beef liver dihydrofolate reductase. Kaufman BT, et al. **Arch Biochem Biophys** 172(1):289–300, Jan 76

Interaction of 13C-enriched folate with dihydrofolate reductase studies by carbon magnetic resonance spectroscopy. Pastore EJ, et al.
Biochem Biophys Res Commun 68(2):471–5, 26 Jan 76

Dihydrofolate reductase from a methotrexate-resistant Escherichia coli: proton magnetic resonance studies of complexes with folate and methotrexate. Poe M, et al.
Biochem Biophys Res Commun 67(1):240–7, 3 Nov 75

Functional arginine residues involved in coenzyme binding by dihydrofolate reductase. Vehar GA, et al.
Biochem Biophys Res Commun 68(3):937–41, 9 Feb 76

The binding of substrates and inhibitors to dihydrofolate reductase. Roberts GC. **Biochem Soc Trans** 3(5):630–1, 1975

Reaction of dihydrofolate reductase with dansyl chloride. Chemical modification of a sensitive lysine residue and fluorometric studies of the dansylated enzyme. Vehar GA, et al. **Biochemistry** 15(12):2512–8, 15 Jun 76

Circular dichroism studies of dihydrofolate reductase from a methotrexate-resistant strain of Escherichia coli B, MB 1428: ternary complexes. Greenfield NJ.
Biochim Biophys Acta 403(1):32–46, 22 Sep 75

ANALYSIS

The structure of dihydrofolate reductase. Identification of methionine residues carboxymethylated by iodoacetate with loss of catalytic activity. Gleisner JM, et al.
Eur J Biochem 55(1):141–6, 16 Jun 75

ANTAGONISTS & INHIBITORS

Intrinsic resistance to methotrexate of cultured mammalian cells in relation to the inhibition kinetics of their dihydrololate reductases. Jackson RC, et al. **Cancer Res** 36(6):1991–7, Jun 76

Structure-activity relationship among pteridine derivatives and related quinazolines as inhibitors of dihydrofolate reductases. pp. 125–32. McCormack JJ.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

The effect of dihydrofolate reductase inhibitors on Mycobacterium Leprae in the mouse foot pad. Gelber RH, et al. **Int J Lepr** 44(1–2):124–32, Jan–Jun 76

Correlation analysis. Its application to the structure-activity relationship of triazines inhibiting dihydrofolate reductase. Silipo C, et al. **J Am Chem Soc** 97(23):6849–61, 12 Nov 75

Inhibition of dihydrofolate reductase. Structure-activity correlations of quinazolines. Fukunaga JY, et al.
J Med Chem 19(5):605–11, May 76

Quinazolines as inhibitors of dihydrofolate reductase. 3. Analogs of pteroic and isopteroic acids. Hynes JB, et al.
J Med Chem 18(12):1191–4, Dec 75

Correlation analysis of Baker's studies on enzyme inhibition. 1. Guanine deaminase, xanthine oxidase, dihydrofolate reductase, and complement. Silipo C, et al.
J Med Chem 19(1):62–71, Jan 76

Correlation analysis of Baker's studies on enzyme inhibition. 2. Chymotrypsin, trypsin, thymidine phosphorylase, uridine phosphorylase, thymidylate synthetase, cytosine nucleoside deaminase, dihydrofolate reductase, malate dehydrogenase, glutamate dehydrogenase, lactate dehydrogenase, and glyceraldehyde-phosphate dehydrogenase. Yoshimoto M, et al. **J Med Chem** 19(1):71–98, Jan 76

BIOSYNTHESIS

Elevated dihydrofolate reductase messenger RNA levels in methotrexate-resistant BHK cells. Chang SE, et al. **Cell** 7(3):391–6, Mar 76

ISOLATION & PURIFICATION

Purification and properties of Escherichia coli dihydrofolate reductase. Baccanari D, et al. **Biochemistry** 14(24):5267–73, 2 Dec 75

Bovine liver dihydrofolate reductase: purification and properties of the enzyme. Peterson DL, et al. **Biochemistry** 14(24):5261–7, 2 Dec 75
Partial purification and some properties of dihydrofolate reductase from soybean seedlings. Reddy VA, et al. **Indian J Biochem Biophys** 12(2):75–80, Jun 75
Bacteriophage T4 baseplate components. II. Binding and location of bacteriophage-induced dihydrofolate reductase. Kozloff LM, et al. **J Virol** 16(6):1401–8, Dec 75

METABOLISM

Substrate and inhibitor complexes of dihydrofolate reductase from amethopterin-resistant L1210 cells. Neef VG, et al. **Arch Biochem Biophys** 171(2):435–43, Dec 75
Dihydrofolate reductase from soybean seedlings. Characterization of the enzyme purified by affinity chromatography. Reddy VA, et al. **Arch Biochem Biophys** 174(2):675–83, Jun 75
Dihydrofolate reductase and thymidylate synthetase activities in the liver of rabbit foetuses during the haemapoietic period. Bourbon JR. **Biochem J** 155(3):713–5, 1 Jun 76
The role of tetrahydrofolate dehydrogenase in the hepatic supply of tetrahydrobiopterin in rats. Stone KJ. **Biochem J** 157(1):105–9, 1 Jul 76
Relationship between intracellular dihydrofolate reductase and tightly bound intracellular methotrexate in human neoplastic cells. Bender RA, et al. **Biochem Pharmacol** 25(8):975–6, 15 Apr 76
Resistance of Pediococcus cerevisiae to amethopterin as a consequence of changes in enzymatic activity and cell permeability. I. Dihydrofolate reductase, thymidylate synthetase and formyltetrahydrofolate synthetase in amethopterin-resistant and -sensitive strains of Pediococcus cerevisiae. Mandelbaum-Shavit F. **Biochim Biophys Acta** 428(3):664–73, 28 May 76
New vistas for P-aminobenzoate participation in the biosynthesis of dihydro folate: a tentative model of the tetrahydro folate multienzyme complex. Tóth-Martinez BL, et al. **Biosystems** 7(1):172–82, Jul 75
Elevation of dihydrofolate reductase, thymidylate synthetase, and thymidine kinase in cultured mammalian cells after exposure to folate antagonists. Chello PL, et al. **Cancer Res** 36(7 PT 1):2442–9, Jul 76
The purification and properties of the trimethoprim-resistant dihydrofolate reductase mediated by the R-factor, R388. Amyes SG, et al. **Eur J Biochem** 61(2):597–603, 15 Jan 76
Dihydrofolate reductase from bovine liver. Enzymatic and structural properties. Baumann H, et al. **Eur J Biochem** 60(1):9–15, 1 Dec 75
Changes of molecular properties associated with the development of resistance against methotrexate in human lymphoblastoid cells. Niethammer D, et al. **Eur J Cancer** 11(12):845–54, Dec 75
Mammalian dihydrofolate reductase: porcine liver enzyme. pp. 51–9. Poe M, et al.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.
Synthesis and degradation of folate reductase in sensitive and methotrexate-resistant lines of S-180 cells. Alt FW, et al. **J Biol Chem** 251(10):3063–74, 25 May 76
Altered regulation of the rate of synthesis of dihydrofolate reductase in methotrexate-resistant hamster cells. Hänggi UJ, et al. **J Biol Chem** 251(10):3075–80, 25 May 76
Reappearance of dihydrofolate reductase in rodent tissues following methotrexate administration. Ho DH, et al. **J Pharmacokinet Biopharm** 3(4):265–76, Aug 75
Regulatory mutants of dihydrofolate reductase in Escherichia coli K12. Sheldon R, et al. **Mol Gen Genet** 147(1):91–7, 10 Aug 76
31P NMR studies of NADPH and NADP+ binding to L. casei dihydrofolate reductase. Feeney J, et al. **Nature** 257(5527):564–6, 16 Oct 75

TETRAHYDROFOLATES

The effect of Raney nickel on the covalent thymidylate synthetase-5-fluoro-2'-deoxyuridylate-5,10-methylenetetr complex. Danenberg PV, et al. **Biochemistry** 15(6):1331–7, 23 Mar 76
In answer to the 'Comments of 'epileptogenic properties of folic acid and N5-methyltetrahydrofolate in cat' by D.B. Smith and E.A.M.T. Obbens, Epilepsia, 17:35–36, 1976'. Mauguiere F. **Epilepsia** 17(2):223–4, Jun 76
A coloured oxidation product from tetrahydrofolate. pp. 535–41. Rimkus B, et al.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.
Studies on models for tetrahydrofolic acid. 7. Reactions and mechanisms of tetrahydroquinoxaline derivatives at the formaldehyde level of oxidation. Barrows TH, et al. **J Am Chem Soc** 98(12):3678–89, 9 Jun 76
Tetrahydrofolic acid model studies. II. Equilibrium and kinetic studies of the reaction of tetrahydroquinoline and tetrahydroquinoxaline derivatives with formaldehyde, carbinolamine, imidazolidine, and hexahydropyrimidine formation. Tsuzynski GP, et al. **J Am Chem Soc** 97(25):7359–70, 10 Dec 75
On the mode of formation of tetrahydro-beta carbolines. Rommelspacher H, et al. **Life Sci** 18(1):81–8, 1 Jan 76
Methylene reductase: responsible for the in vitro formation of formaldehyde from 5-methyltetrahydrofolic acid. Ordóñez LA, et al. **Psychopharmacol Commun** 1(3):253–60, 1975
[Kinetic-mechanistic investigations on 5-formyl-6,7-dimethyl-5,6,7,8-tetrahydropterin, 10-formylfolic acid, 5,10-methenyl-5,6,7,8-tetrahydrofolic acid and 5-methyl-10-formyl-5,6,7,8-tetrahydrolic acid] pp. 711–9. Bieri JH.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c. (Ger)
[Circular dichroism and NMR-spectroscopic investigations of 5,6,7,8-tetrahydrofolates] pp. 695–703. Frick W.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c. (Ger)

ADVERSE EFFECTS

Reply to the comments on 'Epileptogenic properties of folic acid and N5-methyltetrahydrofolate in cat' by D.B. Smith and E.A.M.T. Obbens, Epilepsia 17:35–36, 1976. Mauguiere F. **Epilepsia** 17(1):59–60, Mar 76
Comments on 'epileptogenic properties of folic acid and N5-methyltetrahydrofolate in cat'. Smith DB, et al. **Epilepsia** 17(1):35–6, Mar 76

ANALYSIS

[Quantitative determination, characterization and stability of magnesium 5-methyltetrahydrofolate] Conti J, et al. **Helv Chim Acta** 57(1):160–3, 1974 **(Ger)**

BLOOD

Variable response of bone marrow to feeding DL-5-formyltetrahydrofolate in pernicious anaemia. Cooper BA, et al. **Br J Haematol** 32(3):387–94, Mar 76

CEREBROSPINAL FLUID

[Alterations in the level of N5 methyl tetrahydrofolate observed in the CSF of epileptics treated with anticonvulsants] Mauguière F, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(2):221–30, Apr-Jun 75 **(Fre)**

METABOLISM

Folate transport in the central nervous system. Spector R, et al. **Am J Physiol** 229(3):777–82, Sep 75
Metabolism of dihydroaminopterin and the influence of aminopterin and related derivatives on the metabolism of (-)-5-formyl-tetrahydrofolic acid in Pediococcus cerevisiae. Bühring KU, et al. **Biochim Biophys Acta** 421(1):22–32, 14 Jan 76
On the structure of the cofactor in the complex formed with thymidylate synthetase, 5,10-methylenetetrahy-drofolate and 5-fluoro-2'-deoxyuridylate. Santi DV, et al. **Biochim Biophys Acta** 438(1):324–31, 7 Jun 76
New vistas for P-aminobenzoate participation in the biosynthesis of dihydro folate: a tentative model of the tetrahydro folate multienzyme complex. Tóth-Martinez BL, et al. **Biosystems** 7(1):172–82, Jul 75
N-methylation of biogenic amines in the brain with 5-methyltetrahydrofolic acid as the methyl donor: a possible implication in schizophrenia. pp. 235–43. Laduron P.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.
Transport and utilization of methyltetrahydrofolates by Lactobacillus casei. Shane B, et al. **J Biol Chem** 251(11):3405–10, 10 Jun 76
Uptake of 5-methyltetrahydrofolic acid by the rat jejunum. Blair JA, et al. **J Physiol (Lond)** 250(2):221–30, Sep 75
Folate transport in the choroid plexus. Chen CP, et al. **Life Sci** 16(10):1571–81, 15 May 75
The rise and fall of MTHF as a methyl donor in biogenic amine metabolism. Fuller RW. **Life Sci** 19(5):625–8, 1 Sep 76 (21 ref.)
Methylene-beta-phenylethylimine formation from 5-methyltetrahydrofolic acid and beta-phenylethylamine. Hsu LL, et al. **Life Sci** 17(3):387–96, 1 Aug 75
Cooperative interactions of tetrahydrofolate with purified pig kidney serine transhydroxymethylase and loss of this cooperativity in L1210 tumors and in tissues of mice bearing these tumors. Kumar PM, et al. **Proc Natl Acad Sci USA** 73(6):1950–3, Jun 76
[Disturbances in folate metabolism during anticonvulsant treatments. Possible role of a decrease of tetrahydrofolate conversion to N5 methyl THF] Mauguière F, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(1):175–88, Jan-Mar 74 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Thymidylate synthetase: studies on peptide containing covalently bound 5-fluoro-2'-deoxyuridylate and 5,10-methylenetetrahydrofolate. Pogolotti AL Jr, et al. **Biochem Biophys Res Commun** 70(3):972–8, 7 Jun 76
Epileptogenic properties of folic acid and N5 methyltetrahydrofolate in cat. Mauguiere F, et al. **Epilepsia** 16(3):535–41, Sep 75
[Cytological effects of therapy with tetrahydrofolic acid and cysteine on the bone marrow and peripheral blood picture of whole-body irradiated rats] Schünzel G, et al. **Radiobiol Radiother (Berl)** 16(2):173–80, 1975 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

New approach to antifolate treatment of certain cancers as demonstrated in tissue culture. Halpern RM, et al. **Proc Natl Acad Sci USA** 72(10):4018–22, Oct 75

TETRAHYDROPTEROYLGLUTAMATE METHYLTRANSFERASE see under **METHYLTRANSFERASES**

TETRAHYDROURIDINE see under **URIDINE**

TETRAHYMANOL see under **TRITERPENES**

TETRAHYMENA

CYTOLOGY

Cell division and DNA replication in synchronous Tetrahymena cultures. Andersen HA, et al. **Curr Top Microbiol Immunol** 72:1–20, 1975 (65 ref.)

DRUG EFFECTS

Calcium chloride effects on nuclear development in Tetrahymena. Nanney DL. **Genet Res** 27(2):297–302, Apr 76

ENZYMOLOGY

Nucleoside phosphotransferase activity in synchronized cultures of Tetrahymena and distribution of alternative mechanisms of thymidine phosphorylation in different organisms. Shiosaka T, et al. **Tokushima J Exp Med** 22:57–63, Sep 75

GROWTH & DEVELOPMENT

Tetrahymena: growth without phagocytosis. Basmussen L, et al. **Science** 190(4213):464–5, 31 Oct 75

ISOLATION & PURIFICATION

[Detection of the gregarine Lankesteria culicis (Ross) and the infusorian Tetrahymena stegomyiae (Keilin) in the larvae of Aedea aegypti mosquitoes] Dzerzhinskiĭ VA, et al. **Parazitologiia** 10(4):381–2, Jul-Aug 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Phosphonopyruvic acid: A probable precursor of phosphonic acid: in cell-free preparation of Tetrahymena. Horiguchi M, et al. **Biochim Biophys Acta** 404(2):333–40, 9 Oct 75
Mutant with heat-sensitive capacity for phagocytosis in tetrahymena: isolation and genetic characterization. Silberstein GB, et al. **Genet Res** 26(1):11–9, Aug 75
Recombination of ciliary dynein of Tetrahymena with the outer fibers. Shimizu T. **J Biochem (Tokyo)** 78(1):41–9, Jul 75

PHYSIOLOGY

Ciliary propulsion of objects in tubes: wall drag on swimming Tetrahymena (Ciliata) in the presence of mucin and other long-chain polymers. Winet H. **J Exp Biol** 64(2):283–302, Apr 76

ULTRASTRUCTURE

Cell size and proportional distance assessment during determination of organelle position in the cortex of the ciliate Tetrahymena. Lynn DH, et al. **J Cell Sci** 21(1):35–46, Jun 76
[Electronmicroscopical demonstration of the subpellicular location of the silverline system in Colpidium colpoda (Ciliata, Tetrahymenidae) (author's transl)] Foissner W, et al. **Protoplasma** 86(1-3):65–82, 1975 (Eng. Abstr.) **(Ger)**

TETRAHYMENA PYRIFORMIS

Mitosis and early meiosis in Tetrahymena pyriformis and the evolution of mitosis in the phylum Ciliophora. Davidson L, et al. **Biosystems** 7(3–4):326–36, Nov 75
Induction and isolation of mutants in Tetrahymena. Orias E, et al. **Methods Cell Biol** 13:247–82, 1976 (66 ref.)
Spruce bark beetle, Ips typographus: pheromone production and field response to synthetic pheromones. Bakke A. **Naturwissenschaften** 63(2):92, Feb 76
Capsule shedding in tetrahymena. Tiedtke A. **Naturwissenschaften** 63(2):93, Feb 76

ANALYSIS

The configuration of delta5, 7, 22-sterols in a tracheophyte. Nes WR, et al. **Biochem Biophys Res Commun** 66(4):1462–6, 27 Oct 75
Purification and characterization of the histones associated with the macronucleus of Tetrahymena. Johmann CA, et al. **Biochemistry** 15(6):1249–56, 23 Mar 76
Iolation and charcterization of a DNA-binding non-histone protein from Tetrahymena pyriformis. Donnelly TE Jr, et al. **Biochim Biophys Acta** 402(2):150–60, 21 Aug 75
Dissociation of Tetrahymena 30 S dynein into 14 S subunit by sonication. Hoshino M. **Biochim Biophys Acta** 403(2):544–53, 22 Oct 75
Ribosomal RNA gene content in micronucleate and amicronucleate strains of Tetrahymena pyriformis. Marcaud L, et al. **FEBS Lett** 63(2):291–4, 1 Apr 76

Free ribosomal DNA molecules from Tetrahymena pyriformis GL are giant palindromes. Engberg J, et al. **J Mol Biol** 104(2):455–70, 25 Jun 76

The macronuclear ribosomal DNA of Tetrahymena pyriformis is a palindrome. Karrer KM, et al. **J Mol Biol** 104(2):421–53, 25 Jun 76

Letter to the editor: Tetrahymena DNA forms a single band in alkaline density gradients. Slavik N, et al. **J Mol Evol** 4(4):371–6, 24 Mar 75

Genetic code limit organisms—do they exist? Woese CR, et al. **J Mol Evol** 1(3):223–9, 1972

An electrophoretic comparison of the histones of various strains of Tetrahymena pyriformis. Johmann CA, et al. **Nahrung** 20(1):694–9, 1976

CYTOLOGY

Numbers of 5S and tRNA genes in macro- and micronuclei of Tetrahymena pyriformis. Kimmel AR, et al. **Chromosoma** 54(4):327–37, 10 Mar 76

Mutations affecting cell division in Tetrahymena pyriformis. I. Selection and genetic analysis. Frankel J, et al. **Genetics** 83(3 PT.2):489–506, Jul 76

An analysis of MP gene affected morphogenesis in Tetrahymena pyriformis, syngen 1, (Species 1) ciliates. Kaczanowski A. **J Exp Zool** 196(2):215–30, May 76

Morphological stability in Tetrahymena pyriformis. Gates MA, et al. **Trans Am Microsc Soc** 95(1):11–22, Jan 76

Magnetic fettering of the ciliated protozoon Tetrahymena pyriformis. Rifkin JL, et al. **Trans Am Microsc Soc** 95(2):189–97, Apr 76

DRUG EFFECTS

Antiprotozoal activity in citrinin. Hayes AW, et al. **Bull Environ Contam Toxicol** 15(4):429–36, Apr 76

The oral apparatus of Tetrahymena pyriformis, strain WH–6. II. Cytochalasin B inhibition of oral apparatus morphogenesis. Gavin RH. **J Exp Zool** 197(1):59–69, Jul 76

Interaction of organomercurials with heat-synchronized tetrahymena. Bowles SF, et al. **Life Sci** 19(5):739–45, 1 Sep 76

Action of delta 9-tetrahydrocannabinol on cell division and macromolecular synthesis in division-synchronized protozoa. McClean DK, et al. **Pharmacology** 14(4):307–21, 1976

[On the interaction of polycyclic aromatic hydrocarbons and light with regard to its syncarcinogenic effects (author's transl)] Bauer L, et al. **Zentralbl Bakteriol [Orig B]** 161(4):304–16, Feb 76 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Putrescine-insensitive S-adenosyl-L-methionine decarboxylase from Tetrahymena pyriformis. Pösö H, et al. **Acta Chem Scand [B]** 29(9):932–6, 1975

The absence of structural relationship between mitochondrial and mitochondrial and cytoplasmic leucyl-tRNA synthetases from Tetrahymena pyriformis. Chiu AO, et al. **Arch Biochem Biophys** 171(1):43–54, Nov 75

A protease that increases during a period of enzymic and metabolic adjustment in Tetrahymena. Levy MR, et al. **Arch Biochem Biophys** 172(2):634–47, Feb 76

Identification and purification of a soluble adenosine triphosphatase from Tetrahymena pyriformis . Chua B, et al. **Biochem Biophys Res Commun** 69(3):641–7, 5 Apr 76

Induction of thymidylate synthetase activity in Tetrahymena by cyclic guanosine monophosphate. Dickens MS, et al. **Biochem Biophys Res Commun** 67(4):1319–25, 15 Dec 75

Release and activation of a particulate bound acid phosphatase from Tetrahymena pyriformis. Williams JT, et al. **Biochim Biophys Acta** 422(1):120–6, 23 Jan 76

Multiple forms of nuclear ribonuclease H from Tetrahymena pyriformis. Tashiro F, et al. **Eur J Biochem** 65(1):123–30, 17 May 76

Effects of metabolites present during growth of Tetrahymena pyriformis on the subsequent secretion of lysosomal hydrolases. Blum JJ. **J Cell Physiol** 86(1):131–42, Aug 75

The adaptive acid phosphatase of Tetrahymena pyriformis GL–9. Effect of endocytosis of various nutrients. Ricketts TR, et al. **Protoplasma** 85(2–4):119–25, 1975

GROWTH & DEVELOPMENT

An improved procedure for the assay of available lysine and methionine in feedstuffs using Tetrahymena pyriformis W. Shorrock C. **Br J Nutr** 35(3):333–41, May 76

Nucleocytoplasmic ratio requirements for the initiation of DNA replication and fission in Tetrahymena. Worthington DH, et al. **Cell Tissue Kinet** 9(2):119–30, Mar 76

Temperature dependent changes of cell growth parameters in Tetrahymena. Jauker F, et al. **Exp Cell Res** 96(2):439–42, Dec 75

Mitochondrial proliferation in synchronized cells of Tetrahymena pyriformis. A morphometric study by electron microscopy on the biogenesis of mitochondria during the cell cycle. Kolb-Bachofen V, et al. **Exp Cell Res** 94(1):95–105, Aug 75

Circadian parameters of the infradian growth mode in continuous cultures: nucleic acid synthesis and oxygen induction of the ultradian mode. pp. 44–50. Ehret CF, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Effect of cell population density on G2 arrest in Tetrahymena. Cameron IL, et al. **J Cell Biol** 67(3):518–22, Dec 75

A feedback control of cell cycle parameters in Tetrahymena. Jauker F. **J Cell Biol** 67(3):901–4, Dec 75

Biological value of the biomass and protein isolates from different yeasts. Charatjan SG, et al. **Nahrung** 19(9–10):885–90, 1975

An improved method for the determination of the biological availability of lysine in proteins using the micro-organism Tetrahymena pyriformis. Shepherd ND, et al. **Proc Nutr Soc** 34(3):100A–101A, Dec 75

IMMUNOLOGY

Intracellular effects on Tetrahymena pyriformis following exposure to preimmune and immune fluids: light and transmission electron microscopical observations. Brenner LJ, et al. **J Invertebr Pathol** 28(1):47–55, Jul 76

METABOLISM

Subunit structure of rDNA-containing chromatin. Mathis DJ, et al. **Biochemistry** 15(4):750–5, 24 Feb 76

Triacylglycerol turnover in Tetrahymena pyriformis. Relation to phospholipid synthesis. Borowitz MJ, et al. **Biochim Biophys Acta** 424(1):114–24, 22 Jan 76

The effects of isovalerate supplementation on growth and fatty acid composition of Tetrahymena pyriformis W. Conner RL, et al. **Biochim Biophys Acta** 398(2):209–16, 25 Aug 75

Changes in membrane lipid composition during temperature adaptation by a thermotolerant strain of Tetrahymena pyriformis. Fukushima H, et al. **Biochim Biophys Acta** 431(1):165–79, 22 Apr 76

Studies on Tetrahymena membranes. In vivo manipulating of membrane lipids by 1-O-hexadecyl glycerol-feeding in Tetrahymena pyriformis. Fukushima H, et al. **Biochim Biophys Acta** 436(2):249–59, 17 Jun 76

Studies on tetrahymena membranes. Modification of surface membrane lipids by replacement of tetrahymanol by exogenous ergosterol in Tetrahymena pyriformis. Nozawa Y, et al. **Biochim Biophys Acta** 406(2):248–63, 6 Oct 75

Environmental effects on Tetrahymena membranes. Temperature-induced changes in membrane fatty acid unsaturation are indepedent of the molecular oxygen concentration. Skriver L, et al. **Biochim Biophys Acta** 431(1):180–8, 22 Apr 76

Further studies on the mechanism of uptake of D-glucose by Tetrahymena pyriformis GL. Aomine M. **Comp Biochem Physiol [A]** 55(2a):159–63, 1976

Some aspects of the initiation of protein synthesis in Crithidia fasciculata and Tetrahymena pyriformis. Kidder GW, et al. **Comp Biochem Physiol [B]** 52(4):537–9, 15 Dec 75

Uridine, phenylalanine and glucosamine incorporation into Tetrahymena pyriformis grown in a defined media and in threonine deficient media. Richmond JE. **Comp Biochem Physiol [B]** 54(3):333–6, 1976

Biosynthesis of membrane and a membrane glycoprotein in Tetrahymen a pyriformis. Richmond JE. **Comp Biochem Physiol [B]** 55(1):61–4, 1976

Accumulation of replicative DNA intermediates in Tetrahymena after excision-repairable damage to DNA. Johnson B, et al. **Eur J Biochem** 62(2):345–52, 16 Feb 76

Rapidly labelled RNA in Tetrahymena pyriformis. Pousada CR, et al. **Eur J Biochem** 56(1):117–22, 1 Aug 75

Studies on the amount and location of the tRNA and 5-S rRNA genes in Tetrahymena pyriformis GL. Tonnesen T, et al. **Eur J Biochem** 63(2):399–407, 1 Apr 76

Studies of membrane formation in Tetrahymena pyriformis. IX. Variations in intracellular phospholipid and protein deployment during the cell division cycle. Baugh LC, et al. **Exp Cell Res** 94(1):111–21, Aug 75

Nucleocytoplasmic translocation of RNA in Tetrahymena pyriformis and its inhibition by actinomycin D and cycloheximide. Eckert WA, et al. **Exp Cell Res** 94(1):31–46, Aug 75

Regulation of tubulin during ciliary regeneration in non-growing Tetrahymena. Nelsen EM. **Exp Cell Res** 94(1):152–8, Aug 75

DNA replication in macronuclei of Tetrahymena pyriformis GL. Vorob'ev VI, et al. **Exp Cell Res** 93(2):253–60, Jul 75

Effect of insulin on the glucose uptake of protozoa. Csaba G, et al. **Experientia** 31(9):1097–8, 15 SEP 75

Cyclic AMP metabolism in the cell cycle of Tetrahymena pyriformis. Dickinson JR, et al. **FEBS Lett** 65(2):152–4, 1 Jun 76

Accumulation of replicons in Tetrahymena. Nymann O, et al. **FEBS Lett** 64(1):139–43, 15 Apr 76

The nuclear control of mitochondrial DNA replication in Tetrahymena pyriformis. pp. 91–3. Borst P.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Effect of sterol replacement in vivo on the fatty acid composition of Tetrahymena. Ferguson KA, et al. **J Biol Chem** 250(17):6998–7005, 10 Sep 75

The oral apparatus of Tetrahymena pyriformis, strain WH–6. III. The binding of 3H-cytochalasin B by the isolated oral apparatus. Gavin RH. **J Exp Zool** 197(1):65–9, Jul 76

Diaminobenzidine reactivity of mitochondria and peroxisomes in Tetrahymena and in wild-type and cytochrome oxidase-deficient Paramecium. Stelly N, et al. **J Histochem Cytochem** 23(9):686–96, Sep 75

The effect of temperature on the fatty acid composition of Tetrahymena pyriformis WH-14. Conner RL, et al. **J Protozool** 23(1):196–3, Feb 76

Effect of 4-pentenoic acid on intermediate metabolism of Tetrahymena. Liang T, et al. **J Protozool** 23(1):186–93, Feb 76

The transformation of testosterone by Tetrahymena pyriformis. Lamontagne NS, et al. **J Steroid Biochem** 7(3):177–83, Mar 76

Tetrahymena ribosomal RNA gene chromatin is digested by micrococcal nuclease at sites which have the same regular spacing on the DNA as corresponding sites in the bulk nuclear chromatin. Piper PW, et al. **Nucleic Acids Res** 3(2):493–505, Feb 76

Effect of levamisole on the synthesis of macromolecules in log phase and synchronized cultures of Tetrahymena pyriformis, GL. Pan HY, et al. **Res Commun Chem Pathol Pharmacol** 14(4):651–7, Aug 76

[Studies on lysine availability with Tetrahymena pyriformis as the test organism] Meinl M, et al. **Nahrung** 20(6):649–60, 1976 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

A multigroup model for predator-prey interactions. Villarreal E, et al. **Biotechnol Bioeng** 17(9):1269–90, Sep 75

A physicochemical analysis of conjugation in Tetrahymena pyriformis. Allewell NM, et al. **Exp Cell Res** 97(2):394–405, Feb 76

Membrane renewal after dibucaine deciliation of Tetrahymena. Freeze-fracture technique, cilia, membrane structure. Satir B, et al. **Exp Cell Res** 97:83–91, Jan 76

Nucleocytoplasmic relations in mutant affecting cell division and cell shape in Tetrahymena pyriformis. pp. 285–9. Frankel J, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Conjugation in Tetrahymena pyriformis. The effect of polylysine, concanavalin A, and bivalent metals on the conjugation process. Ofer L, et al. **J Cell Biol** 70(2 pt 1):287–93, Aug 76

Age-dependent micronuclear deterioration in Tetrahymena pyriformis, syngen 1. Weindruch RH, et al. **Mech Ageing Dev** 4(3–4):263–79, May–Aug 75

Absence of histone F1 in a mitotically dividing, genetically inactive nucleus. Gorovsky MA, et al. **Proc Natl Acad Sci USA** 72(7):2672–6, Jul 75

A radioisotopic and morphologic study of the uptake of materials into food vacuoles by Tetrahymena pyriformis GL–9. Ricketts TR, et al. **Protoplasma** 86(4):321–37, 1975

Endocytosis, digestive vacuolar movement and exocytosis on refeeding starved Tetrahymena pyriformis GL–9. Ricketts TR, et al. **Protoplasma** 87(1–3):221–36, 1976

[Effect of various temperatures on metabolism, phagocytosis, and vitality of Tetrahymena pyriformis] Burmeister J. **Z Allg Mikrobiol** 16(4):247–54, 1976 **(Ger)**

RADIATION EFFECTS

Repairs of nuclear and mitochondrial DNAs in Tetrahymena pyriformis. pp. 139–43. Netrawali MS, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Radiosensitivity of synchronized Tetrahymena pyriformis W. cells. Srinivas H, et al. **Indian J Biochem Biophys** 11(4):287–91, Dec 74

Radiation-induced inhibition of RNA synthesis in Tetrahymena pyriformis. Ernst SG, et al. **Int J Radiat Biol** 28(1):67–74, Jul 75

Letter: Oxidative phosphorylation by Tetrahymena pyriformis mitochondria exposed to gamma radiation in vivo and in vitro. Pasupathy K, et al. **Int J Radiat Biol** 28(6):593–7, Dec 75

Sensitivity of ribosomal functions in Tetrahymena pyriformis to varying doses and dose rates of gamma-radiation. Oleinick NL, et al. **Radiat Res** 64(3):509–17, Dec 75

Repair of radiation-induced strand scissions in nuclear and mitochondrial DNAs in Tetrahymena pyriformis. Pasupathy K, et al. **Radiat Res** 66(1):147–57, Apr 76

ULTRASTRUCTURE

Thermotropic lipid clustering in tetrahymena membranes. Wunderlich F, et al. **Biochemistry** 14(17):3730–5, 26 Aug 75

Lysosomes in Tetrahymena. Blum JJ, et al. **Front Biol** 43(4):33–45, 1975 (67 ref.)

A single-gene-dependent abnormality of adoral membranelles in Tetrahymena pyriformis, species 1. Kaczanowski A. **Genetics** 81(4):631–9, Dec 75

Macronuclear division with and without microtubules in Tetrahymena. Williams NE, et al. **J Cell Sci** 20(1):61–77, Jan 76

Freeze-fracture studies of various membrane components isolated from Tetrahymena pyriformis cells. Sekiya T, et al. **J Electron Microsc (Tokyo)** 24(3):155–65, 1975

Cytochemical localization of peroxisomes in Tetrahymena pyriformis. Fok AK, et al. **J Histochem Cytochem** 23(8):599–606, Aug 75

Fatty acids of mitochondrial membranes from Tetrahymena pyriformis. Gleason FK. **J Lipid Res** 17(1):16–20, Jan 76

Membranes of Tetrahymena. IV. Isolation and characterization of temperature-responsive smooth and

rough microsomal subfractions. Ronai A, et al. **J Membr Biol** 24(3-4):381-99, 4 Dec 75

Isolation of subcellular membrane components from Tetrahymena. Nozawa Y. **Methods Cell Biol** 10:105-33, 1975 (66 ref.)

Subunit structure of a naturally occurring chromatin lacking histones F1 and F3. Gorovsky MA, et al. **Proc Natl Acad Sci USA** 72(9):3536-40, Sep 75

Ultrastructural alterations in Tetrahymena pyriformis induced by growth on saturated phospholipids at 40.1 degrees C. Lo HK, et al. **Tissue Cell** 8(1):19-32, 1976

Reconstruction of oral cavity of Tetrahymena pyriformis utilizing high voltage electron microscopy. Sattler CA, et al. **Tissue Cell** 8(1):1-18, 1976

TETRAISOPROPYLPYROPHOSPHAMIDE see under **ORGANOPHOSPHORUS COMPOUNDS**

TETRALOGY OF FALLOT

Proceedings: Clinical, angiographic, and morphogenetic correlations in tetralogy of Fallot. Shinebourne EA, et al. **Br Heart J** 37(7):782, Jul 75

[Tetralogy of Fallot in the infant: spontaneous evolution and surgical indications] pp. 827-38. Dalla Volta S. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. (Ita)**

[Fallot's tetralogy with severe symptomatology during the first year of life (author's transl)] Herráiz Sarachaga I, et al. **An Esp Pediatr** 9(3):251-60, May-Jun 76 (Eng. Abstr.) **(Spa)**

BLOOD

Hemorheology in hyper- and hypoviscosity syndrome. Ohshima N. **Thromb Res** 8(2 suppl):9-16, May 76

COMPLICATIONS

Supravalvular mitral stenosis associated with tetralogy of Fallot. Benry J, et al. **Am J Cardiol** 37(1):111-4, Jan 76

'Agenesis' of ductus arteriosus associated with the syndrome of tetralogy of Fallot and absent pulmonary valve. Emmanoulides GC, et al. **Am J Cardiol** 37(3):403-9, 4 Mar 76

Tetralogy of Fallot with discrete fibrous subaortic stenosis. Sanders JH, et al. **Chest** 69(4):543-4, Apr 76

Intracardiac repair of tetralogy of Fallot associated with unilateral absence of pulmonary artery. Nagara H, et al. **J Cardiovasc Surg (Torino)** 17(3):248-54, May-Jun 76

Fallot's tetralogy with pulmonary arterial aneurysm. Levine OR, et al. **J Med Soc NJ** 72(10):839-42, Oct 75

Hypertrophic osteoarthropathy associated with fallot's tetralogy--a case report. George BO, et al. **Postgrad Med J** 51(599):648-53, Sep 75

[Origin of 1 of the 2 pulmonary arteries from the ascending aorta. Apropos of 2 surgical cases with 1 being associated with tetralogy of Fallot] Neveux JY, et al. **Arch Mal Coeur** 68(4):405-14, Apr 75 (Eng. Abstr.) **(Fre)**

[Spontaneous course towards pulmonary atresia of Fallot's tetralogy. Theoretical and practical aspects] Normand J, et al. **Arch Mal Coeur** 69(6):633-7, Jun 76 (Eng. Abstr.) **(Fre)**

[Interruption of the aortic arch with tetralogy of Fallot. Report of a successful one-stage correction of both anomalies, and review of the literature (author's transl)] Manouguian S, et al. **Thoraxchirurgie** 23(3):176-87, Jun 75 (Eng. Abstr.) **(Ger)**

[Tetralogy of Fallot: episodes of asphyxia and squatting] pp. 815-26. Nicolini A. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. (Ita)**

[Proceedings: Tetralogy of Fallot associated with aortic valve insufficiency--3 surgical cases] Matsuda T, et al. **Jpn Circ J** 39(7):851, Jul 75 **(Jpn)**

[Proceedings: Tetralogy of Fallot associated with idiopathic hypertrophic subvalvular stenosis--a surgical case] Miyamoto G, et al. **Jpn Circ J** 39(7):350-1, Jul 75 **(Jpn)**

[Tetralogy of Fallot with total conus defect--some morphological and surgical problems] Kurosawa H, et al. **Jpn J Thorac Surg** 29(4):229-38, 1976 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Echocardiographic diagnosis of tetralogy of Fallot. Morris DC, et al. **Am J Cardiol** 36(7):908-13, Dec 75

Variations in clinical presentation of Fallot's tetralogy in infancy. Angiographic and pathogenetic implications. Shinebourne EA, et al. **Br Heart J** 37(9):946-55, Sep 75

Vectocardiography in tetralogy of Fallot before and after operation (palliative and corrective surgery). Lezo JS, et al. **Chest** 68(4):548-53, Oct 75

[Atypical form of Fallot's tetralogy] Frank M, et al. **Cesk Pediatr** 30(9):412-4, Sep 75 (Eng. Abstr.) **(Cze)**

[Study of tetralogy of Fallot by echocardiography] Laurenceau JL, et al. **Arch Mal Coeur** 68(5):505-12, May 75 (Eng. Abstr.) **(Fre)**

[Corvisart's syndrome. report of a case diagnosed in a 64 year-old woman (author's transl)] Mancuso M, et al. **G Ital Cardiol** 5(4):585-91, 1975 (Eng. Abstr.) **(Ita)**

[Tetralogy of Fallot: unusual forms and malformations which simulate its clinical picture] Santoli C, et al. **G Ital Cardiol** 6(1):152-75, 1976 **(Ita)**

[Proceedings: Vectorcardiography of children. (7). Vectorcardiography of tetralogy of Fallot following surgery] Mori C, et al. **Jpn Circ J** 39(7):862, Jul 75 **(Jpn)**

[Diagnostic difficulties in congenital heart disease associated with pulmonary tuberculosis in an 8-year-old boy with hemiplegia and polyarthritis] Kubicz S. **Pol Przegl Radiol** 39(6):723-6, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

[Instantaneous vectors of ventricular depolarization in patients with Fallot's complex] Tranchesi J, et al. **Arq Bras Cardiol** 28(3):259-66, Jun 75 (Eng. Abstr.) **(Por)**

DRUG THERAPY

[Beta blockers in tetralogy of Fallot: therapeutic applications] pp. 839-41. Figini A. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. (Ita)**

METABOLISM

Effects of acutely increasing systemic vascular resistance on oxygen tension in tetralogy of Fallot. Nudel DB, et al. **Pediatrics** 58(2):248-51, Aug 76

MORTALITY

[Proceedings: Prognosis of tetralogy of Fallot] Yokoyama T, et al. **Jpn Circ J** 39(7):851-2, Jul 75 **(Jpn)**

PATHOLOGY

A comparison of aortic and pulmonary artery diameters in normal subjects and in patients with tetralogy of Fallot (some embryologic considerations). Timoner M, et al. **Arq Bras Cardiol** 29(2):101-6, Apr 76

[Tetralogy of Fallot: various anatomo-clinical aspects] pp. 773-86. Santoli C, et al. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. (Ita)**

PHYSIOPATHOLOGY

The effect of natural and surgically constructed aortopulmonary shunts on hemodynamic function in tetralogy of Fallot. Look AT Jr, et al. **Ann Thorac Surg** 20(5):571-80, Nov 75

Right ventricular function in children with tetralogy of Fallot before and after aortic-to-pulmonary shunt. Jarmakani JM, et al. **Circulation** 53(3):555-61, Mar 76

Right atrial 'a' wave in tetralogy of Fallot. Shrivastava S, et al. **Indian Pediatr** 12(8):615-8, Aug 75

Generalized pulmonary hyperinflation and Fallot's tetralogy in a neonate investigated by pulmonary physiological and radioisotopic methods. Godfrey S, et al. **Thorax** 30(4):452-60, Aug 75

[Tetralogy of Fallot: radiologic study of the pulmonary circulation] pp. 787-814. Papagni L. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. (Ita)**

[Mechanics of respiration in patients with the tetralogy of Fallot] Kartavenko VI, et al. **Eksp Khir Anesteziol** (1):45-7, 1976 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Evaluation of the diameter of the base of the great vessels. Comparison between autopsy and angiographic methods] Timoner M, et al. **Arq Bras Cardiol** 29(3):175-80, Jun 76 (Eng. Abstr.) **(Por)**

SURGERY

Prognosis of right bundle branch block and left anterior hemiblock after intracardiac repair of tetralogy of Fallot. Cairns JA, et al. **Am Heart J** 90(5):549-54, Nov 75

Conduction disturbances after total correction of tetralogy of Fallot. Sondheimer HM, et al. **Am Heart J** 92(3):278-82, Sep 76

Results of complete repair of tetralogy of Fallot in 156 consecutive patients. Clayman JA, et al. **Am J Surg** 130(5):601-7, Nov 75

A method of outflow tract reconstruction in tetralogy of Fallot with anomalous anterior descending coronary artery. Bonchek LI. **Ann Thorac Surg** 21(5):451-3, May 76

The Blalock-Taussig operation: the procedure of choice in the hypoxic infant with tetralogy of Fallot. Chopra PS, et al. **Ann Thorac Surg** 22(3):235-8, Sep 76

Editorial: Role of the Blalock-Taussig operation in the hypoxic infant with tetralogy of Fallot. Sabiston DC Jr. **Ann Thorac Surg** 22(3):303-4, Sep 76

A new approach to repair of pulmonary branch stenosis following ascending aorta-right pulmonary artery anastomosis. Yamamoto N, et al. **Ann Thorac Surg** 21(3):237-42, Mar 76

One-stage correction of ventricular septal defect, tetralogy of Fallot and complete transposition of the great arteries in infancy. Mori A, et al. **Arch Jpn Chir** 44(4):330-42, 1 Jul 75

Proceedings: Total correction of tetralogy of Fallot postoperative haemodynamic assessment. Finnegan P, et al. **Br Heart J** 38(3):315, Mar 76

Proceedings: Homograft reconstruction of right ventricular outflow tract in pulmonary atresia--late results. Ross D, et al. **Br Heart J** 38(3):316, Mar 76

Fatal cerebral embolus - a complication of left ventricular venting. Murphy DA, et al. **Can J Surg** 19(3):228-30, May 76

Phasic blood flow velocity at a Potts anastomosis measured with the Doppler flowmeter-catheter. Benchimol A, et al. **Chest** 68(6):820-1, Dec 75

Repair of tetralogy of Fallot after catheterization-induced complete heart block. La Corte M, et al. **Chest** 68(4):575-7, Oct 75

Pulmonary perfusion abnormalities and ventilation-perfusion imbalance in children after total repair of tetralogy of Fallot. Alderson PO, et al. **Circulation** 53(2):332-7, Feb 76

Right ventricular volume characteristics before and after palliative and reparative operation in tetralogy of Fallot. Graham TP Jr, et al. **Circulation** 54(3):417-23, Sep 76

Unexpected cardiac arrest in patients after surgical correction of tetralogy of Fallot. James FW, et al. **Circulation** 52(4):691-5, Oct 75

Sudden death among postoperative patients with tetralogy of Fallot: a follow-up study of 243 patients for an average of twelve years. Quattlebaum TG, et al. **Circulation** 54(2):289-93, Aug 76

Tetralogy of Fallot: diagnosis and surgical indications. pp. 59-68. Invernizzi G. **In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2. (Eng, Ita)**

Tetralogy of Fallot: results of palliative procedure. pp. 70-4. Parenzan L. **In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2. (Eng, Ita)**

Tetralogy of Fallot: results of total correction in infancy. pp. 79-84. Subramanian S. **In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.**

Early correction versus palliation in right ventricular outflow obstruction. pp. 68-70. Wallace R. **In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.**

Recurrence of ventricular septal defect after correction of tetralogy of Fallot. Sandmann W, et al. **J Cardiovasc Surg (Torino)** Spec No:748-51, 1973

Hemodynamic studies after total correction of tetralogy of Fallot. Vliers A, et al. **J Cardiovasc Surg (Torino)** Spec No:768-71, 1973

Intracardiac repair of tetralogy of Fallot. Five-year review of 403 patients. Chiariello L, et al. **J Thorac Cardiovasc Surg** 70(3):529-35, Sep 75

Pulmonary infarction following ligation of terminally shunted pulmonary artery. Marcelletti C. **J Thorac Cardiovasc Surg** 71(5):746-9, May 76

Tetralogy of Fallot with acquired pulmonary atresia and hypoplasia of pulmonary arteries. Report of surgical management in infancy. Norwood WI, et al. **J Thorac Cardiovasc Surg** 72(3):454-7, Sep 76

Complete repair of tetralogy associated with sickle cell anemia and G-6-PD deficiency. Szentpetery S, et al. **J Thorac Cardiovasc Surg** 72(2):276-9, AUG 76

Prosthesis endocarditis: treatment of a case occurring five years after a Rastelli-Ross operation. Thompson J, et al. **J Thorac Cardiovasc Surg** 72(1):28-32, Jul 76

Postoperative trifascicular block complicating tetralogy of fallot repair. Yabek SM, et al. **Pediatrics** 58(2):236-42, Aug 76

Fallot's tetralogy. O'Donovan TG, et al. **S Afr J Surg** 13(4):211-4, Dec 75

Total correction of Fallot's tetralogy. Rostad H, et al. **Scand J Thorac Cardiovasc Surg** 10(2):131-4, 1976

Long-term shunt palliation for Fallot's tetralogy. Rostad H, et al. **Scand J Thorac Cardiovasc Surg** 10(2):126-30, 1976

Interposition of the azygous vein in the Blalock-Taussig procedure. Senno A, et al. **Surg Gynecol Obstet** 141(6):929-30, Dec 75

[The tetralogy of Fallot: surgical treatment. 145 cases (author's transl)] Daenen W, et al. **Acta Chir Belg** 74(5):457-73, Sep 75 **(Dut)**

[Surgical correction of Fallot's tetralogy in children under 4 years of age. With reference to a homogenous series of 24 cases (author's transl)] Aubert J, et al. **Ann Chir Thorac Cardiovasc** 14(3):233-6, Jul 75 (Eng. Abstr.) **(Fre)**

[Results of surgery to repair Fallot's tetralogy. With reference to 91 patients operated on (author's transl)] Jaumin P, et al. **Ann Chir Thorac Cardiovasc** 14(3):221-8, Jul 75 (Eng. Abstr.) **(Fre)**

[Correction of Fallot's tetralogy before the age of 5 years. Indications and results with reference to 42 cases (author's transl)] Monties JR, et al. **Ann Chir Thorac Cardiovasc** 14(3):229-31, Jul 75 (Eng. Abstr.) **(Fre)**

[Reconstitution of the pulmonary artery in the correction of Fallot's tetralogy after Blalock termino-terminal or Waterston complicated by thrombosis (author's transl)] Monties JR, et al. **Ann Chir Thorac Cardiovasc** 14(4):307-10, Oct 75 (Eng. Abstr.) **(Fre)**

[Complete correction of Fallot's tetralogy after cavo-pulmonary anastomosis. With reference to two cases of complete repair with suppression of the anastomosis and reimplantation of the right pulmonary artery (author's transl)] Soyer R, et al. **Ann Chir Thorac Cardiovasc** 14(3):211-9, Jul 75 (Eng. Abstr.) **(Fre)**

[Tetralogy of Fallot: results of total correction after palliative

procedure] pp. 74–9. Binet JP.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG 1606o 1972 v.2. **(Fre)**

[5 year assessment of the 1st valved tube heterograft inserted in a human] Binet JP, et al. **Nouv Presse Med** 4(20):1497–9, 17 May 75 (Eng. Abstr.) **(Fre)**

[Surgical treatment of tetralogy of Fallot] **Rev Med Suisse Romande** 95(7):507–14, Jul 75 **(Fre)**

[Clinical and functional results of children with Fallot's tetralogy after corrective surgery] Mocellin R, et al. **Monatsschr Kinderheilkd** 123(5):363–5, May 75 **(Ger)**

[Diagnostic value of lung scintigraphy in right–left shunt] Csákány G, et al. **Orv Hetil** 116(36):2111–4, 7 Sep 75 **(Hun)**

[Heart rhythm in the total correction of Fallot's tetralogy] Alella A, et al. **Boll Soc Ital Cardiol** 18(9):844–5, 1973 **(Ita)**

[Surgical correction of tetralogy of Fallot. Immediate results in 291 cases] Marcazzan E, et al. **Boll Soc Ital Cardiol** 19(4):345–6, 1974 **(Ita)**

[Surgical correction of pulmonary insufficiency due to intervention for tetralogy of Fallot] Pellegrini A, et al. **Boll Soc Ital Cardiol** 17(11):999–1003, 1972 **(Ita)**

[Polygraphic changes after radical correction of Fallot's tetralogy] Pezzano A, et al. **Boll Soc Ital Cardiol** 18(8):779–88, 1973 **(Ita)**

[The current role of palliative operations in the surgical treatment of tetralogy of Fallot. A report on 172 operated cases (author's transl)] Bianchi T, et al. **G Ital Cardiol** 5(6):877–92, 1975 (Eng. Abstr.) **(Ita)**

[Tetralogy of Fallot: palliative operations] pp. 843–9. Morea M.
In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. **(Ita)**

[Tetralogy of Fallot: surgical correction] pp. 851–6. Pellegrini A.
In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. **(Ita)**

[Proceedings: Electrocardiographic changes following the surgery of tetralogy of Fallot] Fujita H, et al. **Jpn Circ J** 39(7):852, Jul 75 **(Jpn)**

[Evaluation of total correction of tetralogy of Fallot in adults] Abe T, et al. **Jpn J Thorac Surg** 29(3):217–22, 1 Mar 75 (Eng. Abstr.) **(Jpn)**

[Corrective surgery of tetralogy of Fallot associated with progressive obstruction of the right ventricular outflow tract following Blalock–Taussig operation] Goto K, et al. **Jpn J Thorac Surg** 29(5):348–52, 1976 (Eng. Abstr.) **(Jpn)**

[Follow-up studies following the surgical correction of tetralogy of Fallot] Manabe H, et al. **Jpn J Thorac Surg** 29(2):116–9, 1976 **(Jpn)**

[Tetralogy of Fallot with postoperative heart failure treated by division of collateral circulation—a case study] Nakajima K, et al. **Jpn J Thorac Surg** 29(4):286–90, 1976 (Eng. Abstr.) **(Jpn)**

[Morphology of the lungs during various periods of artificial ventilation after surgical correction of heart disease] Kniazeva GD, et al. **Kardiologiia** 16(1):110–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Palliative operations in Fallot's tetralogy (author's transl)] Stojanović VK. **Bratisl Lek Listy** 65(3):261–6, Mar 76 **(Slo)**

[Surgical correction of Fallot's tetralogy] Cerna JL, et al. **Bol Med Hosp Infant Mex** 32(5):849–65, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

TETRAMETHYLPHENYLENEDIAMINE see under **PHENYLENEDIAMINES**

TETRAMISOLE

PHARMACODYNAMICS

L-tetramisole. Enhancement of human lymphocyte response to antigen. Pabst HF, et al. **Clin Exp Immunol** 21(3):468–73, Sep 75

THERAPEUTIC USE

Effects of levamisole (NSC-177023) and tetramisole (NSC-102063) in experimental tumor systems. Johnson RK, et al. **Cancer Chemother Rep** 59(4):697–705, Jul–Aug 75

Characterization of the immunostimulants levamisole and tetramisole. Spreafico F, et al. **Eur J Cancer** 11(8):555–63, Aug 75

Study of helminthiasis in children and evaluation of tetramisole in ascariasis. Narmada R, et al. **Indian Pediatr** 12(8):685–8, Aug 75

Comparison of pyrantel and tetramisole in ascariasis. Sood S, et al. **Indian Pediatr** 12(8):689–92, Aug 75

[The effectiveness of fenbendazole, thiabendazole and tetramisole against gastrointestinal nematodes of ruminants] Chroust K, et al. **Dtsch Tieraerztl Wochenschr** 82(12):487–91, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Use of tetramisole granules in nematode infections of poultry] Khaziev GZ, et al. **Veterinariia** (12):67–8, Dec 75 **(Rus)**

TETRANITROMETHANE see under **METHANE**

TETRAPHENYLBORATE see under **BORON**

COMPOUNDS

TETRAPLEGIA see **QUADRIPLEGIA**

TETRATHIONIC ACID see under **THIOSULFATES**

TETRAZOLES see under **AZOLES**

TETRAZOLIUM SALTS

A new stain for copper–protein complexes: its use with crustacean hemocyanins. Gould E, et al. **Anal Biochem** 67(2):515–9, Aug 75

Inhibition of nitroblue tetrazolium reduction by cuprein (superoxide dismutase), Cu(tyr)2 and Cu(lys)2. Younes M, et al. **FEBS Lett** 61(2):209–12, 15 Jan 76

The quantification of formazans in tissue sections by microdensitometry. I. The use of neotetrazolium chloride. Altman FP. **Histochem J** 8(4):373–81, Jul 76

Quantitative reduction of 2,3,4–triphenyl tetrazolium chloride by hamster trachea organ cultures: effects of Mycoplasma pneumoniae cells and membranes. Gabridge MG, et al. **Infect Immun** 13(1):84–91, Jan 76

Effect of solvent on tetrazolium reaction. Graham RE, et al. **J Pharm Sci** 65(7):1048–53, Jul 76

[The use of mono- and ditetrazolium salts as chemical reagents] Balogh S, et al. **Acta Pharm Hung** 45(6):271–6, Nov 75 (Eng. Abstr.) **(Hun)**

[Culture of mycoplasma in a liquid medium containing nitroblue tetrazolium: proposed differential medium for Mycoplasma fermentans] Balducci L, et al. **Boll Soc Ital Biol Sper** 51(8):495–8, 15 Apr 75 **(Ita)**

[New tetrazolium compounds and their use in light and electron microscopy] Kharat'ian EF. **Biol Nauki** 146(2):62–72, 1976 (60 ref.) **(Rus)**

ANALYSIS

Direct spectrophotometric observation of intracellular nitro–blue tetrazolium and its formazan by multiple internal reflectance infrared spectroscopy. DeBari VA, et al. **Histochemistry** 45(1):83–8, 7 Sep 75

BLOOD

[Capacity of nitroblue tetrazolium–reduction of neutrophilic granulocytes (author's transl)] Eschenbach C, et al. **Klin Wochenschr** 53(22):1049–56, 15 Nov 75 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

The nitrobule tetrazolium (NBT) test in endemic benign (epidemic) nephropathy. Björkstén B, et al. **Acta Med Scand** 199(3):147–9, 1976

Nitroblue tetrazolium test in patients with sickle–cell anemia. Wajima T. **Am J Clin Pathol** 64(5):608–12, Nov 75

Quantitative nitro blue tetrazolium test in febrile patients. Correlation with diagnosis and bacterial activity of leukocytes. Silva J Jr, et al. **Arch Intern Med** 135(12):1569–74, Dec 75

Postmortem delineation of infarcted myocardium. Coronary perfusion with nitro blue tetrazolium. Feldman S, et al. **Arch Pathol Lab® Med** 100(1):55–8, Jan 76

The effect of prednisone on the non-stimulated and the stimulated NBT test. Wantzin GL. **Biomedicine** 22(2):122–7, Mar 75

The NBT test: Erratic behaviour in acute leukaemia. Wantzin GL, et al. **Blut** 31(3):133–42, Sep 75

The qualitative nitroblue tetrazolium (NBT) test as a means to differentiate between infection and rejection in renal transplant patients. Sher R, et al. **Clin Nephrol** 4(1):8–12, Jul 75

The nylon column dye test: a possible screening test of phagocyte function. Segal AW, et al. **Clin Sci Mol Med** 49(6):591–6, Dec 75

The nitroblue tetrazolium test in Crohn's disease and ulcerative colitis. Ward M, et al. **Digestion** 14(2):179–83, 1976

Nitroblue tetrazolium (NBT) test: criteria for false positivity and its use in practice. Jedrzejczak WW, et al. **Folia Haematol (Leipz)** 103(1):63–7, 1976

Nitroblue tetrazolium dye test in septic meningitis. Gupta CK, et al. **Indian J Med Res** 63(2):266–72, Feb 75

Practical use of nitroblue tetrazolium test in febrile disorders of children. Ajwani KD, et al. **Indian J Pediatr** 42(328):119–22, May 75

Nitroblue tetrazolium (NBT) test as a diagnostic aid in systemic infections. Bir D, et al. **Indian Pediatr** 12(12):1227–31, Dec 75

Quantitative nitroblue tetrazolium test in mongolism. Johnston N, et al. **Ir J Med Sci** 144(11):422–5, Nov 75

The cytocentrifuge NBT test. Gordon PA, et al. **J Clin Pathol** 28(8):647–9, Aug 75

The use of tetrazolium to determine hydronephrotic damage in human kidneys. Nanninga JB, et al. **J Urol** 116(3):286–8, Sep 76

[NBT stimulation test in the newborn infant] Tovo PA, et al. **Minerva Pediatr** 27(4):214–7, 11 Feb 75 (Eng. Abstr.)

Evaluation of the usefulness of nitroblue tetrazolium reduction test (NBT test) for detection of bacterial infection in cancer patients. Jędrzejczak WW, et al. **Neoplasma** 22(3):323–8, 1975

Nitroblue tetrazolium dye reduction: diagnostic value in children with febrile illnesses. Budny JL, et al. **NY State J Med** 76(6):877–81, Jun 76

Elevated nitroblue tetrazolium dye reduction test response in acute viral respiratory disease. Sieber OF, et al. **Pediatrics** 58(1):122–4, Jul 76

Nitroblue tetrazolium (NBT) test in children with acute lymphoblastic leukemia or malignant lymphomas. Zajaczkowski J, et al. **Rev Roum Med [Med Intern]** 14(2):121–3, Apr–Jun 76 (Eng. Abstr.)

The nitroblue tetrazolium test in Black patients. Greig HB. **S Afr Med J** 49(39):1595–7, 13 Sep 75

Value of the NBT test in the diagnosis of bacterial infection in untreated cancer patients and in those on radio- and/or chemotherapy. Jedrzejczak WW, et al. **Tumori** 61(6):517–23, Nov–Dec 75

[Essential IgG–IgM cryoglobulinemia, microangiopathy and transient deficiency in reduction of Nitroblue Tetrazolium (NBT) by neutrophil granulocytes] Jelić S, et al. **Acta Med Iugosl** 30(2):173–89, Mar 76 (Eng. Abstr.) **(Cro)**

[Tetrazolim nitroblue reduction test. Influence of the latex on the reliability of the results] Corberand J, et al. **Pathol Biol (Paris)** 23(5):375–8, May 75 (Eng. Abstr.) **(Fre)**

[Nitroblue tetrazolium–test and encephalitis (author's transl)] Trojan I. **Paediatr Paedol** 10(2):155–9, 1975 (Eng. Abstr.) **(Ger)**

[The nitroblue tetrazolium test in scarlet fever (author's transl)] Trojan I, et al. **Wien Klin Wochenschr** 87(8):270–2, 18 Apr 75 (Eng. Abstr.) **(Ger)**

[The spontaneous NBT–test in granulocytes of patients with juvenile rheumatoid arthritis] John M, et al. **Z Rheumatol** 34(9–10):336–41, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[The use of nitrotetrazolium blue reduction in clinical practice] Szárits A, et al. **Orv Hetil** 117(8):458–63, 22 Feb 76 **(Hun)**

[Rapid diagnostic test for chronic granulomatosis] Balducci L, et al. **Boll Soc Ital Biol Sper** 51(8):499–504, 15 Apr 75 **(Ita)**

[The NBT test in various juvenile virus diseases] Magliulo E, et al. **Minerva Pediatr** 27(37):2041–5, 24 Nov 75 (Eng. Abstr.) **(Ita)**

[Studies on NBT test–methodological and clinical significance (author's transl)] Matsuda J. **Jpn J Clin Hematol** 16(6):599–613, Jun 75 (Eng. Abstr.) **(Jpn)**

[A new lipoprotein electrophoresis by nitroblue tetrazolium (NBT)] Kitagawa M, et al. **Jpn J Geriatr** 12(5):315–20, Sep 75 (Eng. Abstr.) **(Jpn)**

[Nitrobiue tetrazolium test in malignant lymphoma] Asbjornsen G. **Tidsskr Nor Laegeforen** 96(22):1128–9, 10 Aug 76 (Eng. Abstr.) **(Nor)**

[Serum immunoglobulins and NBT index in relation to the degree of cupremia in children of school age] Jankowski A, et al. **Pol Tyg Lek** 30(52):2179–80, 29 Dec 75 (Eng. Abstr.) **(Pol)**

[NBT test and serum levels of IgA, IgM and IgG in healthy children] Plotnicki B, et al. **Pol Tyg Lek** 30(51):2121–2, 22 Dec 75 (Eng. Abstr.) **(Pol)**

[NBT test, immunoglobulins, electrophoretic protein fractions and lead blood concentration in children] Rudkowski Z, et al. **Pol Tyg Lek** 31(1):15–7, 5 Jan 76 (Eng. Abstr.) **(Pol)**

[Usefulness of nitroblue tetrazolium test in selecting children for orthopedic surgery] Wojciechowski TH, et al. **Pol Tyg Lek** 30(34):1401–2, 25 AUG 75 (Eng. Abstr.) **(Pol)**

[Nitroblue tetrazolium test (NBT) in acute lymphoblastic leukemia in children] Zajączkowski J, et al. **Pol Tyg Lek** 31(2):53–4, 12 Jan 76 (Eng. Abstr.) **(Pol)**

[Practical value of the NBT test in pneumonia] Sulek K, et al. **Wiad Lek** 29(10):891–5, 15 May 76 (Eng. Abstr.) **(Pol)**

[Use of the N.B.T. test as an auxilliary in the detection of bacterial complications of measles] Gomes LF, et al. **Rev Assoc Med Bras** 22(1):3–7, Jan 76 (Eng. Abstr.) **(Por)**

[Modification of the NBT test for diagnosis of some infections in infants] Grigoraş O, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):589–91, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[The triphenyltetrazolium chloride test for detecting urinary tract infections] Celedon JM, et al. **Rev Chil Pediatr** 46(1):45–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

METABOLISM

1975 Yant Memorial Lecture New aspects on dust and pneumoconiosis research. Klosterkötter W, et al. **Am Ind Hyg Assoc J** 36(9):659–68, Sep 75

The biochemical basis of nitroblue tetrazolium reduction in normal human and chronic granulomatous disease polymorphonuclear leukocytes. Baehner RL, et al. **Blood** 48(2):309–13, Aug 76

Formation of the red neotetrazolium formazan by reduced nicotinamide adenine dinucleotide phosphate–cytochrome c reductase in the presence of triton X-100. Ishiguro I, et al. **Chem Pharm Bull (Tokyo)** 22(12):2935–40, Dec 74

Polymorphonuclear activation in leprosy. I. Spontaneous and endotoxin-stimulated reduction of nitroblue tetrazolium: effects of serum and plasma on endotoxin-induced activation. Goihman-Yahr M, et al. **Clin Exp Immunol** 20(2):257–64, May 75

In vitro quantitation of cell-mediated immunity in guinea-pigs by macrophage reduction of nitro-blue

tetrazolium. Krueger GG, et al. **Clin Exp Immunol** 23(3):517–24, Mar 76

Cell damage and dye reduction in the quantitative nitroblue tetrazolium (NBT) test. Segal AW, et al. **Clin Exp Immunol** 19(2):309–18, Feb 75

Acceleration of tetrazolium reduction by bacteria. Bartlett RC, et al. **J Clin Microbiol** 3(3):327–9, Mar 76

PHARMACODYNAMICS

Effect of nitro blue tetrazolium dye on the hexose monophosphate shunt activity of human polymorphonuclear leukocytes. DeChatelet LR, et al. **Biochem Med** 14(4):391–8, Dec 75

STANDARDS

[Thin layer chromatographic and spectrophotometric testing of tetrazolium salts and their formazans for their use as quantitative redox indicators] Wagner H, et al. **Z Med Labortech** 16(2):94–103, 1975 **(Ger)**

TETRODOTOXIN

Tetrodotoxin: from poison to powerful tool. Blankenship JE. **Perspect Biol Med** 19(4):509–26, Summer 76 (114 ref.)

A pharmacologically active derivative of tetrodotoxin. Tsien RY, et al. **Proc R Soc Lond [Biol]** 191(1105):555–9, 16 Dec 75

ADMINISTRATION & DOSAGE

Amelioration of the effects of ischemic cardiac arrest by the intracoronary administration of cardioplegic solutions. Todd GJ, et al. **Circulation** 52(6):1111–7, Dec 75

ANALYSIS

A fluorimetric method to determine tetrodotoxin. Nuñez MT, et al. **Anal Biochem** 72:320–5, 7 May 76

METABOLISM

Properties of the tetrodotoxin binding component in plasma membranes isolated from Electrophorus electricus. Reed JK, et al. **Biochemistry** 15(5):944–53, 9 Mar 76

Density and distribution of tetrodotoxin receptors in normal and detubulated frog sartorius muscle. Jaimovich E, et al. **J Gen Physiol** 67(4):399–416, Apr 76

Binding of tetrodotoxin to squid nerve fibers. Two kinds of receptors? Sevcik C. **J Gen Physiol** 68(1):95–103, Jul 76

PHARMACODYNAMICS

Stimulation of intestinal smooth muscle by atropine, procaine, and tetrodotoxin. Bortoff A, et al. **Am J Physiol** 229(6):1609–13, Dec 75

The local anesthetic activity of tetrodotoxin alone and in combination with vasoconstrictors and local anesthetics. Adams HJ, et al. **Anesth Analg (Cleve)** 55(4):568–73, Jul–Aug 76

Activation and inhibition of the action potential Na+ ionophore of cultured rat muscle cells by neurotoxins. Catterall WA. **Biochem Biophys Res Commun** 68(1):136–42, 12 Jan 76

Blockade by burimamide of the restorative effect of histamine in tetrodotoxin–treated heart preparations. Ledda F, et al. **Br J Pharmacol** 57(2):247–9, Jun 76

Alteration of sodium conductance of feline choroid plexus: effect of 2,4,6–triaminopyrimidine and tetrodotoxin. Eisenberg HM, et al. **Brain Res** 107(3):645–9, 14 May 76

Sodium dependent tetrodotoxin–resistant action potentials in a leech neuron. Kleinhaus AL, et al. **Brain Res** 102(2):368–73, 6 Feb 76

Dendritic and somatic spikes in mudpuppy amacrine cells: indentification and TTX sensitivity. Miller RF, et al. **Brain Res** 104(1):157–62, 5 Mar 76

Different sites of membrane action for tetrodotoxin and lipid–soluble anesthetics. Staiman AL, et al. **Can J Physiol Pharmacol** 53(4):513–24, Aug 75

Action potentials in chick atria. Ontogenetic changes in the dependence of tetrodotoxin–resistant action potentials on calcium, strontium, barium. Pappano AJ. **Circ Res** 39(1):99–105, Jul 76

Genesis of basal sphincter pressure: effect of tetrodotoxin on lower esophageal sphincter pressure in opossum in vivo. Goyal RK, et al. **Gastroenterology** 71(1):62–7, Jul 76

Metabolic compartmentation in the brain and effects of metabolic inhibitors. pp. 337–61. Quastel JH. **In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m.** (73 ref.)

Repetitive spikes in photoreceptor axons of the scorpion eye. Invertebrate eye structure and tetrodotoxin. Belmonte C, et al. **J Gen Physiol** 66(5):649–55, Nov 75

Grayanotoxin, veratrine, and tetrodotoxin–sensitive sodium pathways in the Schwann cell membrane of squid nerve fibers. Villegas J, et al. **J Gen Physiol** 67(3):369–80, Mar 76

Separation of two voltage–sensitive potassium currents, and demonstration of a tetrodotoxin–resistant calcium current in frog motoneurones. Barrett EF, et al. **J Physiol (Lond)** 255(3):737–74, Mar 76

The effect of surface charge on the nerve membrane on the action of tetrodotoxin and saxitoxin in frog myelinated nerve. Hille B, et al. **J Physiol (Lond)** 250(1):34P–35P, Aug 75

The influence of pH on equilibrium effects of tetrodotoxin on myelinated nerve fibres of Rana esculenta. Ulbricht W, et al. **J Physiol (Lond)** 252(1):159–84, Oct 75

The influence of pH on the rate of tetrodotoxin action on myelinated nerve fibres. Ulbricht W, et al. **J Physiol (Lond)** 252(1):185–202, Oct 75

Kinetics of interaction of batrachotoxin and tetrodotoxin on rat diaphragm muscle. Albuquerque EX, et al. **Mol Pharmacol** 12(1):82–91, Jan 76

Voltage–dependent action of tetrodotoxin in mammalian cardiac muscle. Baer M, et al. **Nature** 263(5575):344–5, 23 Sep 76

Chemical modification of crab nerves can make them insensitive to the local anaesthetics tetrodotoxin and saxitoxin. Baker PF, et al. **Nature** 257(5525):412–4, 2 Oct 75

Inhibition of the action of bradykinin and acetylcholine on paravascular pain receptors by tetrodotoxin and procaine. Juan H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(4):389–95, 15 Oct 75

The rates of saxitoxin action and of saxitoxin–tetrodotoxin interaction at the node of Ranvier. Wagner HH, et al. **Pfluegers Arch** 359(4):297–315, 29 Sep 75

Tetrodotoxin–resistant dendritic spikes in avian Purkinje cells. Llinás R, et al. **Proc Natl Acad Sci USA** 73(7):2520–3, Jul 76

[Abscence of the tetrodotoxin effect on sodium permeability under conditions of prolonged depolarization] Beritashvili DR, et al. **Tsitologiia** 18(1):74–9, Jan 76 (Eng. Abstr.) **(Rus)**

TETROQUINOL see under **ISOQUINOLINES**

TETROSES

METABOLISM

Studies on D–tetrose metabolism. VI. Crystallization and some properties of D–erythrulose reducatase from beef liver. Uehara K, et al. **J Biochem (Tokyo)** 78(3):519–26, Sep 75

TEXTILE INDUSTRY

The size–distribution and protease content airborne particles in textile mill cardrooms. Cinkotai FF. **Am Ind Hyg Assoc J** 37(4):234–8, Apr 76

Plant trash in linters and willowed picker: materials used in the cotton garnetting industry. Morey PR, et al. **Am Ind Hyg Assoc J** 37(7):413–7, Jul 76

Control of noise at horizontal hose braiding machines. Niles RC. **Am Ind Hyg Assoc J** 37(4):254–7, Apr 76

Chronic respiratory disease in hemp workers. A follow–up study, 1967–1974. Bouhuys A, et al. **Ann Intern Med** 84(4):398–405, Apr 76

Proceedings: Oral and pharyngeal cancers in textile workers. Moss E, et al. **Br J Cancer** 32(2):249, Aug 75

Comparative study of the smooth muscle contractor activity of airborne dusts and of dustiness in cotton, flax, and jute mills. Nicholls PJ, et al. **Br J Ind Med** 32(4):289–96, Nov 75

Lung function in textile workers. Zuškin E, et al. **Br J Ind Med** 32(4):283–88, Nov 75

Additives in fibers and fabrics. Barker RH. **Environ Health Perspect** 11:41–5, Jun 75

Some advances in synthetic fiber technology. pp. 251–64. Okamura S. **In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974.**

Variations of pulmonary function amongst workers in cotton mills. Barnes R, et al. **J Occup Med** 18(8):551–5, Aug 76

Byssinosis: airway responses in textile dust exposure. Zuskin E, et al. **J Occup Med** 17(6):357–9, Jun 75

Charateristics of Klebsiella from textile finishing plant effluents. Dufour AP, et al. **J Water Pollut Control Fed** 48(5):872–9, May 76

Eight–year follow–up of viscose rayon workers exposed to carbon disulfide. Hernberg S, et al. **Scand J Work Environ Health** 2(1):27–30, Mar 76

[Condition of the dentition among working adolescents in the textile industry. I. Results of induction examinations] Hájková Z. **Cesk Stomatol** 76(3):204–12, Jun 76 (Eng. Abstr.) **(Cze)**

[Occupational osteopathy of rug weavers. Apropos of 64 cases] Chahidi H. **J Chir (Paris)** 109(5–6):633–8, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Ergonomic analysis of heavy work carried out by female workers in the textile industry] Hotz P, et al. **Soz Praeventivmed** 20(5):212, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[The occurrence of heart and coronary diseases in a rayon factory (author's transl)] Vertin PG. **Int Arch Occup Environ Health** 35(3–4):279–90, 19 Sep 75 **(Ger)**

[Methods of sampling and analysis of particulate oil aerosols in weawing rooms of the wool industry] Rimatori A, et al. **Ann Ist Super Sanita** 9 Spec No 1:544–51, 1973 (Eng. Abstr.) **(Ita)**

[Diseases due to vegetable textile fibres] Foà V, et al. **Med Lav** 66(6):527–72, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Bronchopneumopathies caused by plant dusts] Maugeri S, et al. **Med Lav** 66(5):488–524, Sep–Oct 75 (146 ref.) (Eng. Abstr.) **(Ita)**

[Solvents and climate in the viscous textile industry] Sala C. **Med Lav** 66(4):348–56, Jul–Aug 75 **(Ita)**

[Age changes in the work capacity of textile workers] Baida SM, et al. **Gig Sanit** (11):24–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Effect of fiber humidification on the dust content and bacterial pollution of the air in a flax–spinning mill] Shchepochkin AM, et al. **Gig Sanit** (4):106–8, Apr 76 **(Rus)**

[Specific sensitization to some chemical substances used in the textile industry] Gudina RV. **Gig Tr Prof Zabol** (7):14–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Detection of carcinogen–protein antigens in the blood serum of workers in contact with aniline dyes] Korosteleva TA, et al. **Gig Tr Prof Zabol** (5):21–4, May 74 (Eng. Abstr.) **(Rus)**

[Distribution of bronchial asthma among the workers and employees of Moscow and Moscow Province textile enterprises] Machavariani BV. **Gig Tr Prof Zabol** (5):9–11, May 74 (Eng. Abstr.) **(Rus)**

[Effectiveness of decreasing the noise at a pilot weaving shop area] Shkarinov LN, et al. **Gig Tr Prof Zabol** (2):5–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of noise and overall vibration on the state of vibrational sensitivity in weavers] Syromiatnikov IuP. **Gig Tr Prof Zabol** (9):26–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Working conditions and the morbidity of workers in shops for biological flax retting] Vilisov BA, et al. **Gig Tr Prof Zabol** (6):43–5, Jun 75 **(Rus)**

[Morbidity and temporary loss of work capacity in workers in the knit–wear industry] Marinkova GS. **Sov Zdravookhr** (6):28–32, 1975 (Eng. Abstr.) **(Rus)**

[Dynamics of disorders of the auditory function in weavers depending on the duration of work] Isaenko LN. **Vestn Otorinolaringol** (5):20–1, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of static electricity on human body under conditions of the city of Frunze] Manuilenko IuI, et al. **Zdravookhr Kirg** (1):11–4, Jan–Feb 76 **(Rus)**

[Toxicoses in the 2d half of pregnancy in the workers of the textile industry according to data of maternity homes in the City of Leninakan (1924–1973)] Gukasian KP. **Zh Eksp Klin Med** 15(4):119–20, 1975 **(Rus)**

HISTORY

The introduction of chemical bleaching into the United States in 1811 (William C. Bowen). Hardman DC. **RI Med J** 58(10):439–40, 445, Oct 75

STANDARDS

Criteria documents. I. Recommendations for a cotton dust standard. Michael H, et al. **J Occup Med** 17(7):457–66, Jul 75

Comments on cotton criteria document. Morgan WK. **J Occup Med** 17(7):467–8, Jul 75

TEXTILES

The fabric–covered prosthetic heart valve: present status and future development. Braunwald NS. **Ann Thorac Surg** 20(3):360–3, Sep 75

Smoke toxicity of common aircraft carpets. Dressler DP, et al. **Aviat Space Environ Med** 46(9):1141–3, Sep 75

Additives in fibers and fabrics. Barker RH. **Environ Health Perspect** 11:41–5, Jun 75

Fluorescent whitening agents in detergents. Eckhardt C, et al. **Environ Qual Saf [Suppl]** 4:59–64, 1975

Whitening of textiles. Hefti H. **Environ Qual Saf [Suppl]** 4:51–8, 1975

Mass whitening of synthetic fibers and plastics. Wieber A. **Environ Qual Saf [Suppl]** 4:65–82, 1975

Protective effect of disodium cromoglycate against airway constriction induced by hemp dust extract. Zuskin E, et al. **J Allergy Clin Immunol** 57(5):473–9, May 76

A study to determine the relative absorbability and wicking effect of certain major sock materials on perspiration of the human foot. Davis JA. **J Am Podiatry Assoc** 65(11):1051–7, Nov 75

Determination of ammonia inhibition in fabric impregnated with antimicrobials. Wilson FH, et al. **J Assoc Off Anal Chem** 58(5):998–1000, Sep 75

Preparing samples for the recording of infrared spectra from synthetic fibers. Grieve MC, et al. **J Forensic Sci** 21(2):307–14, Apr 76

The recovery of fibres from the surface of clothing for forensic examinations. Pounds CA. **J Forensic Sci Soc** 15(2):127–32, Apr 75

The transfer of fibres between clothing materials during simulated contacts and their persistence during wear. Part I—Fibre transference. Pounds CA, et al. **J Forensic Sci Soc** 15(1):17–27, Jan 75

The transfer of fibres between clothing materials during simulated contacts and their persistence during wear. Part III—Fibre persistence. Pounds CA, et al. **J Forensic Sci Soc** 15(1):29–37, Jan 75

The transfer of fibres between clothing materials during simulated contacts and their persistence during wear. Part III—a preliminary investigation of the mechanisms involved. Pounds CA, et al. **J Forensic Sci Soc** 15(3):197–207, Jul 75

Proceedings: Histamine–releasing activity of soft hemp and flax dusts. Evans E, et al. **J Pharm Pharmacol** 27 Suppl?–2:41P, Dec 75

Letter: Synthetic turf and grass. Garrick JG.
J Sports Med 2(3):178, May–Jun 74
Traumatic bursitis and artificial turf. Larson RL, et al.
J Sports Med 2(4):183–8, Jul–Aug 74
Hairs and fibers as evidence. Burton MJ. **Med Leg Bull** 25(3):1–7, Mar 76
Systolic time intervals as a measure of left ventricular function in viscose rayon workers exposed to carbon disulfide. Franco G, et al.
Scand J Work Environ Health 2(2):107–4, JUN 76
Respiratory disease caused by synthetic fibres: a new occupational disease. Pimentel JC, et al. **Thorax** 30(2):204–19, Apr 75
Acute toxicity of the combustion products from various kinds of fibers. Yamamoto K. **Z Rechtsmed** 76(1):11–26, 5 Sep 75
[Procedure for the estimation of gunshot distance through electrographic studies on textiles] Gruber H.
Beitr Gerichtl Med 32:240–1, 1974 (Eng. Abstr.) **(Ger)**
[Surgical textiles–material, methods, effects (author's transl)] Baron H. **Langenbecks Arch Chir** 339:589–97, Nov 75 (Eng. Abstr.) **(Ger)**
[Experimental studies on chemothermal disinfection of mycotic textiles using Tryplosan] Herrmann WP.
Z Hautkr 50(17):713–9, 1 Sep 75 **(Ger)**
[Alteration of textilfibres by explosion gases expelled distant from the muzzle (author's transl)] Bonte W, et al.
Z Rechtsmed 77(3):223–31, 24 Mar 76 (Eng. Abstr.) **(Ger)**
[The influence of cleaning agents to the result of abo blood–group determination by the agglutinin–binding test (holzer) at blood stain on articles of clothing (author's transl)] Gramer L. **Z Rechtsmed** 76(4):267–81, 10 Dec 75 (Eng. Abstr.) **(Ger)**
[Determination of diethylamine in sanitary chemical research on synthetic and natural textile materials] Dukhovnaia IS, et al. **Gig Sanit** (4):110, Apr 76 **(Rus)**
[Use of the hexacascade Andersen impactor for study of the number of bacterial spores on fabric and clothing products] Evdokimov VL, et al. **Gig Sanit** (8):55–8, Aug 75 **(Rus)**
[Hygienic evaluation of textile articles based on questionnaire data] Markova ZS, et al. **Gig Sanit** (7):118–9, Jul 75 **(Rus)**
[Hygienic evaluation of actetate fibers with an admixture of "Stiromal" copolymer and of the textiles prepared from them] Muratov MM, et al. **Gig Sanit** (9):54–7, Sep 75 (Eng. Abstr.) **(Rus)**
[Improvement of the air environment in the zone of operation of the machine for production of rayon fiber by the continuous method] Zhuravleva LT, et al.
Gig Tr Prof Zabol (11):17–20, Nov 75 (Eng. Abstr.) **(Rus)**
[Reactivation of the effect of repellents applied to cloth] Lur'e AA, et al. **Med Parazitol (Mosk)** 44(2):205–10, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Sanitary–chemical study of sample nitron fabric] Iablochkin VD, et al. **Gig Sanit** (8):99–100, Aug 75 **(Rus)**

STANDARDS

[Physical hygienic properties of materials for children's clothing made of synthetic and artificial fibers] Uzunova SV. **Gig Sanit** (1):79–82, Jan 76 **(Rus)**

TFE see **POLYTETRAFLUOROETHYLENE**

THALAMIC NUCLEI

Intermittent stimulation of nucleus ventralis posterolateralis for intractable pain. Mazars GJ. **Surg Neurol** 4(1):93–5, Jul 75
[Experimental pain and pruritic syndromes of thalamic origin] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 81(6):651–3, Jun 76 (Eng. Abstr.) **(Rus)**
[An x–ray and histologic study of calcifications of tumors of the subcortical ganglia of the brain] Lebedev AN, et al. **Zh Nevropatol Psikhiatr** 75(4):496–501, 1975 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The cortical projections of the inferior pulvinar and adjacent lateral pulvinar in the rhesus monkey (Macaca mulatta): an autoradiographic study. Benevento LA, et al.
Brain Res 108(1):1–24, 21 May 76
A projection from the medial pulvinar to the amygdala in primates. Jones EG, et al. **Brain Res** 104(1):142–7, 5 Mar 76
Thalamic projections from the precentral motor cortex in Macaca fascicularis. Künzle H. **Brain Res** 105(2):253–67, 26 Mar 76
The retino–thalamo–hyperstriatal pathway in the pigeon (Columba livia). Miceli D, et al. **Brain Res** 100(1):125–31, 12 Dec 75
Striatal afferent connections in the turtle (Chrysemys picta) as revealed by retrograde axonal transport of horseradish peroxidase. Parent A. **Brain Res** 108(1):25–36, 21 May 76
Thalamic and other subcortical projections to area MT (visual area of superior temporal sulcus) in the marmoset Callithrix jacchus. Spatz WB. **Brain Res** 99(1):129–34, 28 Nov 75
Thalamic projections of the dorsomedial prefrontal cortex in the rhesus monkey (Macaca mulatta). Tanaka D Jr. **Brain Res** 110(1):21–38, 25 Jun 76
Confirmation of the location of spinothalamic neurons in the cat and monkey by the retrograde transport of horseradish peroxidase. Trevino DL, et al. **Brain Res** 98(1):177–82, 7 Nov 75
Peroxidase labeled subcortical afferents to pulvinar in rhesus monkey. Trojanowski JO, et al. **Brain Res** 97(1):144–50, 24 Oct 75
Direct visual input to the limbic system: crossed retinal projections to the nucleus anterodorsalis thalami in the tree shrew. Conrad CD, et al. **Exp Brain Res** 23(2):141–9, 14 Aug 75
Projections of the medial pulvinar to orbital cortex and frontal eye fields in the rhesus monkey (Macaca mulatta). Bos J, et al. **Exp Neurol** 49(2):487–96, Nov 75
Synaptic relationships between the ascending trigeminal fibers and the third order lingual relay neurons of the rat thalamus. Emmers R. **Exp Neurol** 48(3 Pt 1):586–94, Sep 75
Contribution to the structure of the subthalamic nucleus in the rat. Kuzemenský J. **Folia Morphol (Praha)** 23(3):182–96, 1975
Convergent thalamic and mesencephalic projections to the anterior medial cortex in the rat. Beckstead RM.
J Comp Neurol 166(4):403–16, 15 Apr 76
Different targets of different neurons in nucleus gracilis of the cat. Berkley KJ. **J Comp Neurol** 163(3):285–303, 1 Oct 75
Species differences in mechanosensory projections from the mouth to the ventrobasal thalamus Bombardiei RA Jr, et al. **J Comp Neurol** 163(1):41–63, Sep 75
Nigrothalamic projections in the monkey demonstrated by autoradiographic technics. Carpenter MB, et al.
J Comp Neurol 165(4):401–15, 15 Feb 76
Pallidothalamic projections in the rat. Severin CM, et al. **J Comp Neurol** 166(4):491–502, 15 Apr 76
Cortical projections of the posterior ventral nuclei of the thalamus in the cat. Niimi K, et al. **J Hirnforsch** 15(4):331–47, 1974
Organization of the teleostean nucleus rotundus. Ito H, et al. **J Morphol** 147(1):89–107, Sep 75
Some efferent connections of the centromedian nucleus of the cat. Kuroda R, et al. **Med J Osaka Univ** 26(12):1–25, Sep 75
Autoradiographic demonstration of cerebellar commissural system. Murphy MG, et al. **Surg Forum** 26:465–7, 1975
[Projections of the somatosensory areas of the cerebral cortex into the thalamic nuclei] Eliseeva ZV, et al.
Biull Eksp Biol Med 80(10):113–7, Oct 75 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Reactive events in cerebral microvasculature associated with neural degeneration in thalamic relay nuclei. pp. 83–95. Matthews MA.
In: Cervós–Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.

CYTOLOGY

Comparison of the cytoarchitectonic structure of the subthalamic nucleus in certain mammals. Kuzemenský J. **Folia Morphol (Praha)** 24(2):129–40, 1976
The neurons in the centromedian–parafascicular complex of the monkey (Macaca mulatta): a Golgi study. Hazlett JC, et al. **J Comp Neurol** 168(1):41–73, 1 Jul 76
The neurons in the primate subthalamic nucleus: a Golgi and electron microscopic study. Rafols JA, et al.
J Comp Neurol 168(1):75–111, 1 Jul 76

DRUG EFFECTS

Inhibition of thalamic neurones by acetylcholine. Duggan AW, et al. **Brain Res** 100(2):445–9, 19 Dec 75
Barbiturate spindle activity in the thalamic lateral ventro–posterior nucleus and the second somato–sensory area of the cortex. Ganes T. **Brain Res** 98(3):473–83, 21 Nov 75
Barbiturate spindle activity in functionally corresponding thalamic and cortical somato–sensory areas in the cat. Ganes T, et al. **Brain Res** 98(3):457–72, 21 Nov 75
Brbiturate spindle activity in the association cortex of the cat and its relation to spindle activity in the somatosensory system. Ganes T. **Brain Res** 101(1):23–35, 9 Jan 76
Exclusively inhibitory action of iontophoretic acetylcholine on single neurones of feline thalamus. Ben–Ari Y, et al. **Nature** 259(5541):327–30, 29 Jan 76
[A neurophysiologic analysis of the effect of amidopyrine at the thalamo–cortical level of the somatosensory system] Komendantova MV, et al. **Biull Eksp Biol Med** 81(1):41–2, Jan 76 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The effect of ablation of the olfactory pits on the development of the habenular nuclei in Rana pipiens. Norris BK, et al. **J Embryol Exp Morphol** 34(3):657–67, Dec 75

GROWTH & DEVELOPMENT

Anomalous organization of thalamocortical projections consequent to vibrissae removal in the newborn rat and mouse. Killackey HP, et al. **Brain Res** 104(2):309–15, 12 Mar 76
Postnatal maturation of subcortical projections from the prefrontal cortex in the rhesus monkey. Johnson TN, et al. **J Comp Neurol** 166(4):427–43, 15 Apr 76

PATHOLOGY

Glial changes in the progress of a chemical lesion. An electron microscopic study. Lemkey–Johnston N, et al.
J Comp Neurol 167(4):481–501, 15 Jun 76
Morphometric studies of the neuropathological changes in choreatic diseases. Lange H, et al. **J Neurol Sci** 28(4):401–25, Aug 76
Hypothalamic neurosecretory nuclei and nucleus habenularis of epithalamus in essential hypertension. Postnov YuV, et al. **Virchows Arch [Pathol Anat]** 364(3):275–83, 1974
[Connections between the nucleus lateralis dorsalis of the thalamus and the limbic system in man. Study of 12 anatomo–clinical cases of vascular origin] Mikol J, et al.
Rev Neurol (Paris) 131(7):469–90, Jul 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The role of the medial lemniscal and spinocervicothalamic pathways on tactile reactions in cats. Liu CN, et al.
Acta Neurobiol Exp (Warsz) 35(2):149–57, 1975
The effect of lesions of the dorsomedial thalamic nucleus on alimentary conditioned reflexes and food intake in dogs. Wolf K, et al. **Acta Physiol Pol** 26(4):341–6, Jul–Aug 75
Post–lesion yawning and thalamotomy site. Jurko MF, et al. **Appl Neurophysiol** 38(1):73–9, 1975
Psychometric studies of verbal functions following thalamic lesions in humans. Riklan M, et al. **Brain Lang** 2(1):45–64, Jan 75
Short latency EPSPs of pyramidal tract cells evoked by stimulation of the centrum medianum–parafascicular complex and the nucleus ventralis anterior of the thalamus. Araki T, et al. **Brain Res** 113(2):405–10, 27 Aug 76
Functional significance of projection from the cerebellar nuclei to the motor cortex in the cat. Asanuma H, et al.
Brain Res 98(1):73–92, 7 Nov 75
Organization of projection from the thalamic relay nuclei to the motor cortex in the cat. Asanuma H, et al.
Brain Res 71(2–3):515–22, 17 May 74
Visual response pattern of thalamic neurons in the pigeon. De Britto LR, et al. **Brain Res** 97(2):337–43, 31 Oct 75
Effect of stimulation of prefrontal cortex and amygdala on diencephalic neurons. Edinger HM, et al. **Brain Res** 97(1):17–31, 24 Oct 75
Inhibitory spinal paths to the lateral reticular nucleus. Ekerot CF, et al. **Brain Res** 99(1):157–61, 28 Nov 75
Thalamic mechanisms that process a temporal pulse code for pain. Emmers R. **Brain Res** 103(3):425–41, 27 Feb 76
Relationships between two types of thalamic unit patterned discharges and cortical spindle waves. Horvath FE, et al.
Brain Res 103(3):560–7, 27 Feb 76
Visual receptive field types in the nucleus dorsolateralis anterior of the pigeon's thalamus. Jassik–Gerschenfeld D, et al. **Brain Res** 108(2):295–306, 28 May 76
Responses of extralemniscal thalamic neurones to stimulation of the fastigial nucleus and influences of the cerebral cortex in the cat. Kitano K, et al. **Brain Res** 106(1):172–5, 16 Apr 76
Ventrolateral thalmic neurons related to posture during a modified placing reaction. Massion J, et al. **Brain Res** 71(2–3):353–59, 17 May 74
Transfer of the hippocampal output by the anterior thalamic nuclei. Parmeggiani PL, et al. **Brain Res** 67(2):269–78, 22 Feb 74
Monosynaptic inhibition of thalamic neurons produced by stimulation of the pallidal nucleus in cats. Uno M, et al.
Brain Res 99(2):377–80, 5 Dec 75
Regulation of slow potential shifts in nucleus reticularis thalami by the mesencephalic reticular formation and the frontal granular cortex. Skinner JE, et al.
Electroencephalogr Clin Neurophysiol 40(3):288–96, Mar 76
Regulation of unit activity in nucleus reticularis thalami by the mesencephalic reticular formation and the frontal granular cortex. Yingling CD, et al.
Electroencephalogr Clin Neurophysiol 39(6):635–42, Dec 75
Somesthetic effects of damage to cats' ventrobasal complex, medial lemniscus or posterior group. Glassman RB, et al.
Exp Neurol 48(3 Pt 1):460–92, Sep 75
Influence of thalamic stimulation on cortical epileptogenic focus. Rokyta R, et al. **Experientia** 32(1):71–2, 15 Jan 76
Study in awake monkeys of connections between the corpus striatum and pallidum with the substantia nigra and subthalamus. pp. 45–59. Ohye C, et al.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.
Synaptic changes in intralaminar thalamic neurons during bulbopontine and mesencephalic stimulation. pp. 277–81. Broggi G, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
An electrophysiological study on pathways of the cortico–striato–pallido–center median systems in the cat. Blum B, et al. **Int J Neurol** 9(3–4):287–97, 1975
Correlation of overt escape behavior, multiunit thalamic activity, and midbrain lemniscal stimulation in rats. Brauth SE, et al. **J Comp Physiol Psychol** 89(4):371–8, Jun 75
Spontaneous sleep and induced arousal. A depth–electroencephalographic study. Westmoreland BF, et al. **J Neurol Sci** 28(3):353–60, Jul 76
Effect of pulvinar lesions on visual pattern discrimination

in monkeys. Chalupa LM, et al. **J Neurophysiol** 39(2):354–69, Mar 76

Representation of vestibular afferents in somatosensory thalamic nuclei of the squirrel monkey (Saimiri sciureus). Liedgren SR, et al. **J Neurophysiol** 39(3):601–12, May 76

Prolonged unit responses in thalamic reticular, ventral, and posterior nuclei following lateral hypothalamic and midbrain reticular stimulation. Keene JJ. **J Neurosci Res** 1(5–6):459–69, 1975

Sensory and nonsensory portions of the nucleus 'ventralis posterior' thalami of chimpanzee and man. Van Buren JM, et al. **J Neurosurg** 45(1):37–48, Jul 76

Proceedings: Binocular visual neurones in the frog thalamus. Keating MJ, et al. **J Physiol (Lond)** 258(2):69P–70P, Jun 76

Proceedings: Conditioned stimulation of the thalamus and sensory evoked potentials. Takimoto Y, et al. **J Physiol Soc Jpn** 36(8–9):275, 1 Sep 74

Proceedings: Effects of olfactory stimuli upon the unit activity of antidromically identified neurosecretory neurones in the paraventricular nuclei of the rat. Young PM. **J Reprod Fertil** 46(2):493–4, Mar 76

Effects of pulvinotomy and ventrolateral thalamotomy on some cognitive functions. Vilkki J, et al. **Neuropsychologia** 14(1):67–78, 1976

Thalamic modulation of aggression. Andy OJ, et al. **Pavlov J Biol Sci** 10(2):85–101, Apr–Jun 75

Mediodorsal nucleus and behavior regulation in the rat. Gillett GR, et al. **Physiol Behav** 14(6):883–5, Jun 75

The action of L-dopa in rats with the raphe nuclei lesions. Maj J, et al. **Pol J Pharmacol Pharm** 27(Suppl):151–4, Oct 75

Paleocerebellar influence on neocortical reactivity and its relations with the lateralis posterior nucleus of the thalamus. Crighel E, et al. **Rev Roum Med [Neurol Psychiatr]** 13(4):267–72, 1975

[Pathways and ascending vestibular projections emanating from primary nuclei: radioautographic study (author's transl)] Raymond J, et al. **Brain Res** 111(1):1–12, 23 Jul 76 (Eng. Abstr.) **(Fre)**

[Electrophysiology of connections between baso-lateral amygdaloid nuclei and thalamic central median-parafascicular nuclei in the cat] Lamour Y. **C R Acad Sci [D] (Paris)** 279(12):1027–30, 16 Sep 74 **(Fre)**

[Response to electric stimulation of the VL in the hemicerebellectomized baboon] Basso A, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):252–7, Jul–Sep 75 **(Fre)**

[Mechanisms of response and properties of corticipetal retransmission of neurons of the nucleus ventrails lateralis of the thalamus reactive to activation of ponto–cerebellar systems] Bava A, et al. **Boll Soc Ital Biol Sper** 50(23–24):2115–8, 30 Dec 74 **(Ita)**

[Somatic afferents to neurons of the nucleus ventrails lateralis of the thalamus reactive to stimulation of ponto–cerebellar systems] Bava A, et al. **Boll Soc Ital Biol Sper** 50(23–24):2119–21, 30 Dec 74 **(Ita)**

[Behavior of spontaneous discharges of neurons of the lateral posterior nucleus of the thalamus during sleep and wakefulness] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23–24):2146–9, 30 Dec 74 **(Ita)**

[Properties of the thalamocortical nonspecific system] Kogan AB, et al. **Biofizika** 20(5):909–15, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Polysensory interaction in the cat posterior ventrolateral thalamic nucleus] Fokin VI, et al. **Biull Eksp Biol Med** 81(5):515–7, May 76 (Eng. Abstr.) **(Rus)**

[An analysis of movement disorders in cats following destruction of the medial lemniscus] Smirnov AG. **Fiziol Zh SSSR** 61(7):1069–72, Jun 75 **(Rus)**

[Connections between the posterior lateral nucleus of the thalamus and the cortex of the cat suprasylvian gyrus] Artemenko DP, et al. **Neirofiziologiia** 7(5):500–8, 1975 (Eng. Abstr.) **(Rus)**

[Reactions of neurons in the primary and secondary somatosensory zones of the cortex to stimulation of the ventral posterior nucleus of the thalamus] Garkavenko VV. **Neirofiziologiia** 8(2):115–21, 1976 (Eng. Abstr.) **(Rus)**

[Responses of neurons of the first and second somatosensory zones of the cortex to peripheral, thalamic and cortical stimulation] Garkavenko VV. **Neirofiziologiia** 8(4):351–7, 1976 (Eng. Abstr.) **(Rus)**

[Reactions of the neurons of the reticular and ventral anterior nuclei of the optic thalamus to afferent stimulation of different modalities] Voloshin MIa, et al. **Neirofiziologiia** 7(6):563–70, 1975 (Eng. Abstr.) **(Rus)**

[Visceral signalization and the thalamus] Airapet'iants ESh, et al. **Usp Fiziol Nauk** 6(3):137–52, Jul–Sep 75 **(Rus)**

[The disinhibitory influence of the activating system when artificially excited from different points in the brain] Andreeva VN, et al. **Zh Vyssh Nerv Deiat** 25(2):332–41, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Formation of spatial synchronization in the cerebral cortex during direct electrical stimulation] Balashova AN. **Zh Vyssh Nerv Deiat** 26(1):210–3, Jan–Feb 76 **(Rus)**

[The effect of destruction of the medial lemnisci on visual recognition in cats] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 25(2):427–9, Mar–Apr 75 **(Rus)**

[The thalamoparietal associative system of the brain] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 26(1):188–95, Jan–Feb 76 **(Rus)**

[Dynamics of excitability of the thalamo–cortical non–specific system in the recruitment cycle] Burikov AA. **Zh Vyssh Nerv Deiat** 25(4):870–2, Jul–Aug 75 **(Rus)**

[Several properties of the recruiting response] Burikov AA, et al. **Zh Vyssh Nerv Deiat** 25(6):1318–9, Nov–Dec 75 **(Rus)**

[Participation of the neocortical and reticulo–hypothalamic apparatuses in the regulation of recurrent inhibition in the thalamic relay nucleus] Mogilevskii AIa, et al. **Zh Vyssh Nerv Deiat** 25(3):595–602, May–June 75 (Eng. Abstr.) **(Rus)**

[Thalamocortical relationships during spontaneous and evoked rhythmic activity of the brain] Narikashvili SP. **Zh Vyssh Nerv Deiat** 25(3):562–7, May–June 75 (Eng. Abstr.) **(Rus)**

[An analysis of the interaction of the parietal and visual regions of the cortex with the posterior lateral nucleus of the thalamus] Poliakova AG. **Zh Vyssh Nerv Deiat** 25(4):827–36, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The influence of neuronal discharge on the effectiveness of its synaptic inputs] Rusinova EV, et al. **Zh Vyssh Nerv Deiat** 25(6):1312–5, Nov–Dec 75 **(Rus)**

[Post–tetanic strengthening of evoked electrical responses of the sensomotor cortex] Veber NV. **Zh Vyssh Nerv Deiat** 26(2):381–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Electrical responses of the cerebellar cortex to stimulation of the ventrolateral nucleus of the thalamus] Soloviova LO. **Fiziol Zh** 21(3):343–9, May–Jun 75 (Eng. Abstr.) **(Ukr)**

PHYSIOPATHOLOGY

Proceedings: Epilepsy and descending thalamic pathways. van Straaten JJ. **Acta Morphol Neerl Scand** 13(1–2):109–10, Mar 75

Signs of plasticity and reconnection in spinal cord damage. Wall PD. **Ciba Found Symp** (34):35–63, 1975

Orthodromic and antidromic effects of a cortical epileptiform focus on ventrolateral nucleus of the cat. Schwartzkroin PA, et al. **J Neurophysiol** 38(4):795–811, Jul 75

The striopallidal system: Its implication in motor disorders. Poirier LJ, et al. **Pathobiol Annu** 5:339–67, 1975 (145 ref.)

[Proceedings: Neural noise in the human thalamus] Fukamachi A, et al. **J Physiol Soc Jpn** 36(8–9):275, 1 Sep 74 **(Jpn)**

SURGERY

Effects of stereotactic lesions of the pulvinar and lateralis posterior nucleus on intractable pain and dyskinetic syndromes of man. Fraioli B, et al. **Appl Neurophysiol** 38(1):23–30, 1975

[Remission of 'mental anorexia' following stereotaxic thalamolysis (previously resistant to other therapies) (author's transl)] D'Andrea F, et al. **Riv Patol Nerv Ment** 95(5):579–90, Oct 74 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

The electron microscopy of the synaptic vesicles of the frog habenular nuclei. Kemali M. **Brain Res** 112(1):156–61, 6 Aug 76

Staining methods for an electron microscopic analysis of Golgi impregnated nervous tissue and a demonstration of the synaptic distribution upon pulvinar neurons. Ito H, et al. **J Neurocytol** 5(3):297–317, Jun 76

Ultrastructure of the axon reaction in the immature rat thalamus. Cox VS. **J Neuropathol Exp Neurol** 35(2):191–203, Mar 76

Synaptic ultraarchitecture of the anterior thalamic nuclei. Somogyi G, et al. **Verh Anat Ges** 69:531–5, 1975

[Experimental analysis of synaptic complexes of the nucleus lateralis posterior and pulvinar nucleus formation in the thalamus of the cat] Hajdu F, et al. **Verh Anat Ges** 69:537–42, 1975 (Eng. Abstr.) **(Ger)**

THALAMUS

Thalamic tumors in childhood. Clinical, laboratory, and therapeutic considerations. Hirose G, et al. **Arch Neurol** 32(11):740–4, Nov 75

Thalamic hemorrhage and aphasia. Mohr JP, et al. **Brain Lang** 2(1):3–17, Jan 75

Thalamic syndrome (case report). Meenakshisundaram E, et al. **J Assoc Physicians India** 23(6):397–400, Jun 75

Intrathalamic epidermoid tumor. Case report. Chandler WF, et al. **J Neurosurg** 43(5):614–7, Nov 75

Diagnosis and treatment of abscess of the central ganglia. Law JD, et al. **J Neurosurg** 44(2):226–32, Feb 76

Intracranial pressure gradients in a patient with a thalamic tumor. Crockard HA, et al. **Surg Neurol** 5(3):151–5, Mar 76

Diagnosis of intrathalamic cyst by computerized tomographic scan. Gregorius FK, et al. **Surg Neurol** (3):191–3, Sep 76

Chronic thalamic and internal capsule stimulation for the control of central pain. Hosobuchi Y, et al. **Surg Neurol** 4(1):91–2, Jul 75

[The importance of vetebral arteriography in relation to expansions in the thalamic and pineal areas (author's transl)] Cernoch Z, et al. **Cesk Radiol** 29(5):289–95, Sep 75 (Eng. Abstr.) **(Cze)**

[Use of thalamic stimulators in the treatment of various types of pain] Mazars G, et al. **Ann Med Interne (Paris)** 126(12):869–71, Dec 75 **(Fre)**

ABNORMALITIES

Abnormal synaptic connections of the optic tract in the thalamus after midbrain lesions in newborn hamsters. Kalil RE, et al. **Brain Res** 100(3):690–8, 26 Dec 75

[Olfacto-genital dysplasia or De Morsier-Kallmann syndrome. Study on the hypothalamo-pituitary function in a case of female sex] Angeli A, et al. **Minerva Ginecol** 27(1):51–9, Jan 75 (Eng. Abstr.) **(Ita)**

ANALYSIS

Evidence for substance P in the habenulo–interpeduncular tract. Mroz ED, et al. **Brain Res** 113(3):597–9, 3 Sep 76

ANATOMY & HISTOLOGY

Trigeminothalamic fibre connections in the donkey (Equus asinus) studied by means of the retrograde cell degeneration method. Karamanlidis AN. **Acta Anat (Basel)** 93(1):126–34, 1975

Extrageniculate projections to layers VI and I of striate cortex (area 17) in the rhesus monkey (Macaca mulatta). Benevento LA, et al. **Brain Res** 96(1):51–5, 10 Oct 75

Thalamocortical–corticothalamic reciprocity: a combined anterograde–retrograde tracer technique. Colwell SA. **Brain Res** 92(3):443–9, 18 Jul 75

A study of so–called 'retrograde fine–grain' degeneration in the thalamus. Kalil K. **Brain Res** 93(2):189–202, 8 Aug 75

Identification of laminar origin of some tecto–thalamic fibers in the cat. Kawamura S, et al. **Brain Res** 91(2):281–5, 27 Jun 75

A direct input from the amygdala to the thalamus and the cerebral cortex. Krettek JE, et al. **Brain Res** 67(1):169–74, 15 Feb 74

Morphological and biochemical changes in the rat interpeduncular nucleus following the transection of the habenulo–interpeduncular tract. Léránth CS, et al. **Brain Res** 99(1):124–8, 28 Nov 75

Computer graphics—three dimensional reconstruction of thalamic anatomy from serial sections. Cahan LD, et al. **Comput Programs Biomed** 5(2):91–8, Dec 75

Some connections of the posterior thalamus in monkey. De Vito JL, et al. **Exp Neurol** 51(2):347–62, May 76

The posterior thalamic region and its cortical projection in New World and Old World monkeys. Burton H, et al. **J Comp Neurol** 168(2):249–301, 15 Jul 76

Stereotaxic coordinates for the Rhesus monkey thalamus and mesencephalon referencing visual afferents and cytoarchitecture. Benevento LA. **J Hirnforsch** 16(2):117–29, 1975

Ventricular landmarks for thalamic stereotaxy in Macaca. Percheron G. **J Med Primatol** 4(4):217–44, 1975

[Estimations of partial and total volume of the telencephalon of Papio cynocephalus kindae] Compere J, et al. **Acta Anat (Basel)** 92(4):570–9, 1975 **(Fre)**

[Topography of the optic thalamus, caudate and lenticular nuclei of the human brain in frontal section (an anatomical–statistical study applied to stereotaxis)] Grachev KV, et al. **Arkh Anat Gistol Embriol** 70(2):81–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Corticalization of 2 regions of the visual system in the evolution of vertebrates] Karamian AI, et al. **Neirofiziologiia** 7(1):12–20, 1975 **(Rus)**

BLOOD SUPPLY

Hypothalamic and thalamic blood flow during somatic afferent stimulation in dogs. Sándor P, et al. **Am J Physiol** 231(1):270–4, Jul 76

Angiography of the thalamoperforating arteries with special emphasis on arteriography of the third ventricle. pp. 42–8. George AE, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

Pattern recognition in severe displacement of the thalamostriate and internal cerebral veins: the W and infinity signs. Winestock DP. **J Can Assoc Radiol** 26(4):235–9, Dec 75

[Arteries of the human thalamus. I. Artery and polar thalamic territory of the posterior communicating artery] Percheron G. **Rev Neurol (Paris)** 132(5):297–307, May 76 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Projection of thalamic neurons to cat primary vestibular cortical fields studied by means of retrograde axonal transport of horseradish peroxidase. Liedgren SR, et al. **Exp Brain Res** 24:237–43, 26 Jan 76

Areal differences in the laminar distribution of thalamic afferents in cortical fields of the insular, parietal and temporal regions of primates. Jones EG, et al. **J Comp Neurol** 168(2):197–247, 15 Jul 76

[Primary visual centers in Protopterus dolloi Boulenger] Clairambault P, et al. **J Hirnforsch** 16(6):497–509, 1975 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The interaction of glutamic and aspartic acids with excitatory amino acid receptors in the mammalian central nervous system. McLennan H, et al. **Can J Physiol Pharmacol** 54(1):70–2, Feb 76

Proceedings: Specificity of nuciferine as an antagonist of amino acid and synaptically evoked activity in cells of the feline thalamus. Ben–Ari Y, et al. **J Physiol (Lond)**

251(1):25P-27P, Sep 75
Proceedings: The relative sensitivity of glutamate and aspartate of cells in the ventrobasal thalamus of the rat which respond to movement of the vibrissae. Gent JP, et al. **J Physiol (Lond)** 256(1):39P-40P, Mar 76
Effect of some intracerebrally administered drugs on a conditioned reflex in the cat. Nagy J, et al. **Physiol Behav** 16(1):21-5, Jan 76
Differential effects of methylphenidate on reticular formation and thalamic neuronal activity. Shih TM, et al. **Psychopharmacologia** 44(1):11-5, 14 Oct 75
[Mechanism of the action aminopyrine] Komendantova MV, et al. **Farmakol Toksikol** 38(4):415-9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Development of the thalamus in anurans during metamorphosis (author's transl)] Picouet MJ. **J Embryol Exp Morphol** 33(2):313-33, Apr 75 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Ontogenetic development of somatosensory thalamus. I. Morphogenesis. Scheibel ME, et al. **Exp Neurol** 51(2):392-406, May 76
Functional development of intrathalamic and reticulothalamic synaptic pathways. pp. 193-207. Purpura DP.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

METABOLISM

Further evidence for cholinergic habenulo-interpeduncular neurons: pharmacologic and functional characteristics. Kuhar MJ, et al. **Brain Res** 97(2):265-75, 31 Oct 75
Indolamine metabolism in the intact and denervated pineal, pineal stalk and habenula. Moore RY. **Neuroendocrinology** 19(4):323-30, 1975

PATHOLOGY

Symmetrical infantile thalamic degeneration with focal cytoplasmic calcification. Ambler M, et al. **Acta Neuropathol (Berl)** 33(1):1-8, 27 Oct 75
Reeler mutant mouse: maintenance of appropriate and reciprocal connections in the cerebral cortex and thalamus. Steindler DA, et al. **Brain Res** 113(2):386-93, 27 Aug 76
Absence of barrels and disorganization of thalamic afferent distribution in the sensory cortex of reeler mice. Cragg BG. **Exp Neurol** 49(3):858-62, Dec 75
Thalamic neuroaxonal dystrophy and dementia in Hodgkin's disease. Reyes MG, et al. **Neurology** 26(3):251-60, Mar 76
Neuropathology of Huntington's chorea. Studies of the ventrobasal complex of the thalamus. Dom R, et al. **Neurology (Minneap)** 26(1):64-8, Jan 76
[An autopsy case of olivocerebellar and thalamic degeneration, diffuse sclerosis and hypertrophic neuropathy: infantile system degeneration? (author's transl)] Oda M, et al. **J Neurol** 211(1):69-76, 2 Dec 75 (Eng. Abstr.) **(Ger)**
[Akinetic mutism: bilateral multiple foci of encephalomalacia at the thalamus and basal nucleus] Arata J, et al. **Jpn J Clin Med** Spec No:920-1, 1396-9, 10 Apr 75 **(Jpn)**

PHYSIOLOGY

Vestibular evoked potentials in thalamus and basal ganglia of the squirrel monkey (Saimiri sciureus). Liedgren SR, et al. **Acta Otolaryngol (Stockh)** 81(1-2):73-82, Jan-Feb 76
Slow-wave neuronal activity induced by interoceptive stimuli. Sokolov V. **Agressologie** 15(7):401-6, 1974
A first mathematical approximation of cerebral cortical responses to cerebello-thalamic signals using a thermodynamic analogue. Wing HJ, et al. **Biometrics** 31(4):979-85, Dec 75
On the neural organization of language: thalamic and cortical relationships. Brown JW. **Brain Lang** 2(1):18-30, Jan 75 (34 ref.)
Memory and perceptual deficits during electrical stimulation in the left and right thalamus and parietal subcortex. Fedio P, et al. **Brain Lang** 2(1):78-100, Jan 75
Language and the thalamus: object naming and recall during and after thalamic stimulation. Ojemann GA. **Brain Lang** 2(1):101-20, Jan 75
The effects on speech and language of stereotactical stimulation in thalamus and corpus callosum. Schaltenbrand G. **Brain Lang** 2(1):70-7, Jan 75
The question of thalamic participation in speech mechanisms. Van Buren JM. **Brain Lang** 2(1):31-44, Jan 75
Thalamic unit activity in the alert monkey during natural vestibular stimulation. Büttner U, et al. **Brain Res** 103(1):127-32, 13 Feb 76
Striatal evoked inhibition of identified nigro-thalamic neurons. Deniau JM, et al. **Brain Res** 104(1):152-6, 5 Mar 76
Control of excitability and threshold in the thalamocortical motor system of the cat by cerebellar stimulation. Johnson RN, et al. **Brain Res** 103(3):568-73, 27 Feb 76
A direct thalamo-cerebellar pathway in pigeon and catfish. Karten HJ, et al. **Brain Res** 102(2):335-8, 6 Feb 76
Plasticity of evoked potentials in the cat pulvinar. Khachaturian ZS, et al. **Brain Res** 91(2):299-305, 27 Jun 75
Thalamic, callosal and reticular converging inputs to parietal association cortex in cat. Kitsikis A, et al. **Brain Res** 93(3):516-24, 15 Aug 75
Olfactory input to the thalamus: electrophysiological evidence. Motokizawa F. **Brain Res** 67(2):334-7, 22 Feb 74
Projections of thalamic gustatory and lingual areas in the rat. Norgren R, et al. **Brain Res** 92(1):123-9, 4 Jul 75
Studies on the control of some simple motor tasks. Effects of thalamic and red nuclei lesions. Ranish NA, et al. **Brain Res** 102(2):339-45, 6 Feb 76
Vusual responsiveness of eye-movement neurons in thalamic internal medullary lamina of cat. Schlag-Rey M, et al. **Brain Res** 91(2):311-4, 27 Jun 75
Effect of morphine on single unit responses in ventrobasal complex (VB) and posterior nuclear group (PO) following tooth pulp stimulation. Shigenaga Y, et al. **Brain Res** 103(1):152-6, 13 Feb 76
Thalamic evoked potentials to somatosensory stimulation in man. Fukushima T, et al. **Electroencephalogr Clin Neurophysiol** 40(5):481-90, May 76
Differential effect of task relevance on early and late components of cortical and subcortical somatic evoked potentials in man. Velasco M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):353-64, Oct 75
Altered response of blood thyroxine level after its acute depletion by isovolemic exchange transfusion in rats with lesions in hypothalamus and thalamus. Langer P, et al. **Endocrinol Exp (Bratisl)** 10(1):29-36, Mar 76
The integrative role of the intralaminar system of the thalamus in visual orientation and perception in the cat. Hunsperger RW, et al. **Exp Brain Res** 25(3):231-46, 18 Jun 76
Types of neuronal responses in the rat thalamus to peripheral temperature changes. Jahns R. **Exp Brain Res** 23(2):157-66, 14 Aug 75
Ontogenetic development of somatosensory thalum. II. Electrogenesis. Davies TL, et al. **Exp Neurol** 52(1):13-29, Jul 76
Some properties of spinal connections of the dorsal column nuclei that do not involve the dorsal columns. pp. 176-81. Dart AM, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Functional connections of cutaneous thalamocortical relay cells within the ventrobasal complex of cat. pp. 270-6. Iwamura Y, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Thalamic transmission and spontaneous activity during different stages of acute experimental asphyxia. pp. 282-7. Watanabe S.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975
Central nervous responses to cooling and warming of the rat scrotal skin. pp. A371-83. Hellon RF.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974.
Neuronal mechanisms of synchronization and desynchronization of electrical activity of the brain. pp 178-99. Danilova NN.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.
The desynchronization reaction and its extinction in thalamic neuronal spike activity. pp 200-13. Danilova NN.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.
Trial sequence of changed unit activity in auditory system of alert rat during conditioned response acquisition and extinction. Disterhoft JF, et al. **J Neurophysiol** 39(2):266-81, Mar 76
Dynamic response and transfer characteristics of joint neurons in somatosensory thalamus of the cat. Yin TC, et al. **J Neurophysiol** 39(3):582-600, May 76
A vestibulothalamic pathway: electrophysiological demonstration in the cat by localized cooling. Sans A, et al. **J Neurosci Res** 2(2):167-74, 1976
Effects of selected drugs on an auditory or thalamic conditioned stimulus eliciting recruitment in the cat. Dubinsky B, et al. **J Pharm Sci** 64(10):1647-51, Oct 75
An analysis of the representation of the forelimb in the ventrobasal thalamic complex of the albino rat. Angel A, et al. **J Physiol (Lond)** 249(2):399-423, Jul 75
Response of ventrobasal thalamic cells to hair displacement on the face of the waking monkey. Hayward JN. **J Physiol (Lond)** 250(2):385-407, Sep 75
Proceedings: Characteristics of neurones in the ventrobasal thalamus of the rat which respond to noxious stimulation of the tail. Hellon RF, et al. **J Physiol (Lond)** 250(1):29P-30P, Aug 75
Proceedings: Physiological study of thalamo-cortical discharges. Sasaki K, et al. **J Physiol Soc Jpn** 36(8-9):276, 1 Sep 74
Proceedings: Characteristics of thalamic neurons responding to stimulations of the dental pulp in rats. Shigenaga K, et al. **J Physiol Soc Jpn** 36(8-9):279, 1 Sep 74
Caffeine and chlordiazepoxide: effects on motor activity in the chronic thalamic rat. Borbély AA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2-3):285-96, 24 Sep 75
Effects of subcortical stimulation and coagulation on subtraction performance. Kukka EK, et al. **Neuropsychologia** 14(1):137-40, 1976
Effects of subcortical lesions on the pupillary light reflex in the rat. Legg CR. **Neuropsychologia** 13(3):373-6, Sep 75
Effects of pulvinotomy and ventrolateral thalamotomy on some cognitive functions. Vilkki J, et al. **Neuropsychologia** 14(1):67-78, 1976
Effects of essential amino acids on central neurons. Wayner MJ, et al. **Pharmacol Biochem Behav** 3(1 Suppl):85-90, 1975
Effects of dorsomedial thalamic lesions on spatial discrimination reversal in the rat. Means LW, et al. **Physiol Behav** 14(6):725-9, Jun 75
Zona incerta lesions impair osmotic but not hypovolemic thirst. Walsh LL, et al. **Physiol Behav** 16(2):211-5, Feb 76
Thalamocortical relations in the brain of the frog, Their role in the genesis of epileptic electrographic phenomena. Servít Z, et al. **Physiol Bohemoslov** 24(4):315-24, 1975
[Neuronal mechanisms of the functional status of the brain] Danilova NN. **Agressologie** 16(3):151-3, 1975 (Eng. Abstr.) **(Fre)**
[The bulbo-thalamic ascending reticular activater system] Chevais R. **Ann Anesthesiol Fr** 15(3):1G-4G, 1974 **(Fre)**
[Changes in cellular activity in corpus Luysi after stimulation of monkey corpus striatum] Feger J, et al. **C R Acad Sci [D] (Paris)** 280(9):1123-6, 3 Mar 75 (Eng. Abstr.) **(Fre)**
[Thalamic unitary activity during the transition between slow wave sleep and paradoxical sleep: comparative study in the cat and the macaque] Benoit O. **Rev Electroencephalogr Neurophysiol Clin** 3(1):39-45, Jan-Mar 73 (Eng. Abstr.) **(Fre)**
[Convergence of 3 thalamo-cortical rhythmic systems on the somesthetic area in the normal cat and baboon] Bouyer JJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):397-406, Jul-Sep 74 (Eng. Abstr.) **(Fre)**
[Periodic waves in the cat after partial and total thalamectomy] Lanoir J. **Rev Electroencephalogr Neurophysiol Clin** 1(1):103-5, Jan-Mar 71 **(Fre)**
[Micromotor recording of writing pressure during intracerevral stimulation at stereotactic operations (author's transl)] Schneider H. **Arch Psychiatr Nervenkr** 220(4):381-91, 22 Dec 75 (Eng. Abstr.) **(Ger)**
[Changes induced with neurotropic drugs on evoked responses of the suprasylvian gyrus by pulvinar activation in the cat] Amato G, et al. **Boll Soc Ital Biol Sper** 52(6):423-6, 30 Mar 76 **(Ita)**
[Spontaneous activity of single neurons of the somatic portion of the posterior thalamic group in cats free to move about] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2142-5, 30 Dec 74 **(Ita)**
[Convergence of ectero- and proprioceptive impulses on single neurons of the somatic portion of the posterior thalamic group] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2139-41, 30 Dec 74 **(Ita)**
[Long-term stability of spontaneous discharges of single thalamic neurons during sleep and wakefulness] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2134-6, 30 Dec 74 **(Ita)**
[Projections of/proprioceptive afferent systems on the posterior group of the thalamus] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23-24):2125-8, 30 Dec 74 **(Ita)**
[Proceedings: Peripheral control of thalamic VB neuron caused by frequent electric stimulation of the skin] Iwamura Y, et al. **J Physiol Soc Jpn** 36(8-9):275-6, 1 Sep 74 **(Jpn)**
[Changes in the blood supply and oxygen tension of the brain following afferent somatic stimulation] Demchenko IT, et al. **Fiziol Zh SSSR** 61(8):1153-9, Aug 75 (Eng. Abstr.) **(Rus)**
[Electrophysiological analysis of the cortical-subcortical relations in conditioned reflex] Grigorian GE. **Zh Eksp Klin Med** 15(5):17-26, 1975 **(Rus)**
[Relationship between posterior-thalamic group of nuclei, ventro-basal complex and somatosensory regions of the cerebral cortex] Khorenian DV. **Zh Eksp Klin Med** 15(6):34-8, 1975 **(Rus)**

PHYSIOPATHOLOGY

Proceedings: A comparison of the influence of thalamic and hippocampal electrical stimulation on the EEG and behavioural manifestations in chronic rats. Kolínová M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):441, Oct 75
Interactions between thalamus and cortex in experimental epilepsy in the cat. Kusske JA. **Exp Neurol** 50(3):568-78, Mar 76
Some cerebellar effects on cerebral seizures in the monkey. Snider RS. **Int J Neurol** 9(3-4):262-71, 1975
[Thalamic extension of paroxysmal discharges in a photosensitive baboon Papio papio] Arfel G, et al. **Rev Electroencephalogr Neurophysiol Clin** 2(2):208-12, Apr-Jun 72 **(Fre)**

RADIATION EFFECTS

Influence of absorbed dose and field size on the geometry of the radiation-surgical brain lesion. Dahlin H, et al. **Acta Radiol [Ther] (Stockh)** 14(2):139-44, Arp 75

SURGERY

Proceedings: Late results of thalamotomy in Parkinsonism with and without the influence of levodopa. Husby J, et al. **Acta Neurochir (Wien)** 31(3–4):260, 1975

20-year followup study of the neurosurgical treatment of dystonia musculorum deformans. Cooper IS. **Adv Neurol** 14:423–52, 1976

Post-lesion yawning and thalamotomy site. Jurko MF, et al. **Appl Neurophysiol** 38(1):73–9, 1975

A statistic l outline of the subthalamic target for the arrest of tremor. Velasco F, et al. **Appl Neurophysiol** 38(1):38–46, 1975

Language changes after neurosurgery for Parkinsonism. Darley FL, et al. **Brain Lang** 2(1):65–9, Jan 75

A computer system for stereotaxic neurosurgery. Hawrylyshyn P, et al. **Comput Biol Med** 6(2):87–97, Apr 76

Stereotactic thalamotomy and L-dopa induced involuntary movement in Parkinsonism. Tsukamoto Y, et al. **Neurol Med Chir (Tokyo)** 13:38–45, 1973

[Reflections on the treatment of the thalamic tumors (author's transl)] Jos VL, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(195):203–7, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Synapses in the interpeduncular nucleus: electron microscopy of normal and habenula lesioned rats. Lenn NJ. **J Comp Neurol** 166(1):77–99, 1 Mar 76

THALASSEMIA

The molecular basis of the thalassemias. pp. 363–78. Baglioni C. **In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.**

Thalassemias in Andhra Pradesh: a clinical haematologic study. Reddi YR, et al. **Indian Pediatr** 12(2):195–6, Feb 75

Editorial: Beta-thalassemia minor—heterozygous beta thalassemia. Parekh JG. **J Assoc Physicians India** 23(11):770–2, Nov 75

Letter: Thalassaemia in Italy. Schiliro G, et al. **Lancet** 1(7959):598, 13 Mar 76

Editorial: The thalassemia syndromes. Nathan DG. **West J Med** 124(5):412–4, May 76

Molecular pathology of the thalassemia disorders. Weatherall DJ. **West J Med** 124(5):388–402, May 76

[Benign thalassemia, probably homozygous, in a black African] Piguet B, et al. **Sem Hop Paris** 51(5):321–6, 26 Jan 75 (Eng. Abstr.) **(Fre)**

[Pubertal development in splenectomized thalassemic patients] Ferlazzo A. **Minerva Pediatr** 28(20):1309–10, 9 Jun 76 **(Ita)**

[Molecular biology of thalassemia] Szabuniewicz B. **Pol Tyg Lek** 31(15):639–40, 12 Apr 76 **(Pol)**

[3 cases of transient erythroblastopenia in children] Tenstam J. **Lakartidningen** 73(19):1841–2, 5 May 76 **(Swe)**

BLOOD

Changes of trace minerals (serum iron, zinc, copper and magnesium) in thalassemia. Arcasoy A, et al. **Acta Haematol (Basel)** 53(6):341–6, 1975

A new Hb variant: Hb F Sardinia gamma75(E19) isoleucine leads to threonine found in a family with Hb G Philadelphia, beta-chain deficiency and a Lepore-like haemoglobin indistinguishable from Hb A2. Grifoni V, et al. **Acta Haematol (Basel)** 53(6):347–55, 1975

Hemoglobin Beograd (alpha2beta2 121 Glu leads to Val) interacting with beta-thalassemia. Ruvidić R, et al. **Acta Haematol (Basel)** 54(3):180–7, 1975

Hemoglobin QIndia, alpha 64 (E13) Asp replaced by His, and beta-thalassemia in a Canadian family. Schmidt RM, et al. **Am J Clin Pathol** 66(2):446–8, Aug 76

Hb Grady and alpha thalassemia: a contribution to the problem of the number of Hb alpha structural loci in man. Huisman TH, et al. **Am J Hum Genet** 28(4):363–9, Jul 76

Sickle cell—betao thalassemia variant with high hemoglobin F and mild clinical course. Shaeffer JR, et al. **Am J Med** 61(3):437–8, Sep 76

Hemoglobin synthesis studies of a family with alpha-thalassemia trait and sickle cell trait. Shaeffer JR, et al. **Biochem Genet** 13(11–12):783–8, Dec 75

Minor hemoglobins in sickle cell anemia, beta-thalassemia, and related conditions: a study of red cell fractions isolated by density gradient centrifugation. Abraham EC, et al. **Biochem Med** 13(1):56–77, May 75

Decreased alpha globine mRNA in nucleated red cell precursors in alpha thalassemia. Natta CL, et al. **Blood** 47(6):899–907, Jun 76

Lipid membrane peroxidation in beta-thalassemia major. Rachmilewitz EA, et al. **Blood** 47(3):495–505, Mar 76

Heterozygous beta thalassaemia of unusual severity. Friedman S, et al. **Br J Haematol** 32(1):65–77, Jan 76

Inhibition of membrane peroxidation in thalassaemic erythrocytes by 2,3-dihydroxybenzoic acid. Graziano JH, et al. **Br J Haematol** 32(3):351–6, Mar 76

Clinical and haematological data in 254 cases of beta-thalassaemia trait in Italy. Mazza U, et al. **Br J Haematol** 33(1):91–9, May 76

Assay of thalassaemic messenger RNA in the wheat germ system. Pritchard J, et al. **Br J Haematol** 32(4):473–85, Apr 76

Globin chain synthesis in the greek type (A gamma) of hereditary persisitence of fetal haemoglobin. Sofroniadou K, et al. **Br J Haematol** 29(1):137–48, Jan 75

Red cell membrane lipids in thalassaemia. Khalil M, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):273–80, Jul–Oct 75

Haemoglobin synthesis in 28 obligatory cases for alpha-thalassemia traits. Pootrakul S, et al. **Humangenetik** 29(2):121–6, 10 Sep 75

Red-cell metabolism of pyridoxine in sideroblastic anaemia and thalassaemia. pp. 241–50. Anderson BB, et al. **In: Kief H, et.al., ed. Iron metabolism and its disorders. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.366 1975.**

Alterations in the red blood cell membrane and the effect of vitamin E on osmotic fragility in beta-thalassemia major. Kahane I, et al. **Isr J Med Sci** 12(1):11–5, Jan 76

Proceedings: Globin chain synthesis and distribution in erythroid precursors and in reticulocytes of alpha-thalassemic patients. Kirschmann C, et al. **Isr J Med Sci** 11(11):1222, Nov 75

Haematological findings in beta-thalassaemia trait. Misra RC, et al. **J Assoc Physicians India** 23(11):743–9, Nov 75

Neutrophil lobe count in normals and thalassemia patients. Liyamaswad S, et al. **J Med Assoc Thai** 58(9):474–7, Sep 75

Complex alpha-thalassemia-like syndrome: a cause of neonatal normoblastemia. McCormack MK, et al. **J Pediatr** 89(3):446–51, Sep 76

Inherited and noninherited anemia screening: a program of community cooperation. Moskowitz M. **J Sch Health** 45(9):541–2, Nov 75

Sickle cell syndromes. I. Hemoglobin SC-alpha-thalassemia. Honig GR, et al. **Pediatr Res** 10(6):613–20, Jun 76

The alpha-chain-termination mutants and their relation to the alpha-thalassaemias. Weatherall DJ, et al. **Philos Trans R Soc Lond [Biol]** 271(913):411–55, 7 Aug 75 (49 ref.)

[Thalassemic syndromes and abnormal hemoglobulins among surgical and trauma patients] Penev M, et al. **Vutr Boles** 15(2):86–93, 1976 (Eng. Abstr.) **(Bul)**

[Erythrocyte spectra in the diagnosis of microcytoses and macrocytoses] Cazzavillan M, et al. **Curr Top Microbiol Immunol** 70:881–94, 1975 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

[Generalities on the beta-thalassemia syndrome] Saenz GF. **Sangre (Barc)** 21(1):157–62, 1976 **(Spa)**

COMPLICATIONS

An unusual case of hemoglobin Bart's hydrops fetalis. Halbrecht I, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):97–103, 1975

Hb Leslie, an unstable hemoglobin due to deletion of glutaminyl residue beta 131 (H9) occurring in association with beta0-thalassemia, HbC, and HbS. Lutcher CL, et al. **Blood** 47(1):99–112, Jan 76

A swiss family with hemoglobin P Galveston beta117His leads to arg, including two patients with hb P/beta thalassemia. Di Iorio EE, et al. **Blut** 31(2):61–8, Aug 75

Leg ulcers in a family with both beta thalassaemia and glucose-6-phosphate dehydrogenase deficiency. Ganor S, et al. **Br J Dermatol** 95(2):203–6, Aug 76

Alpha thalassaemia in adults with sickle-cell trait. Steinberg MH, et al. **Br J Haematol** 30(1):31–7, May 75

Haemoglobin C/alpha thalassaemia: haematological and biosynthetic studies. Steinberg MH. **Br J Haematol** 30(3):337–42, Jul 75

Pathogenesis and management of iron overload in thalassemia. Hershko C. **Haematologica (Pavia)** 60(2):241–8, Jun 75

Thalassemia major with hypertriglyceridemia. Indira Bai K, et al. **Indian Pediatr** 12(9):929–31, Sep 75

Fractures in thalassemia. Dines DM, et al. **J Bone Joint Surg [Am]** 58(5):662–6, Jul 76

Significance of subnormal red-cell folate in thalassaemia. Tso SC. **J Clin Pathol** 29(2):140–3, Feb 76 (26 ref.)

Learning and behavioral correlates in learning-disabled pupils prone to heterozygous thalassemia and sicklemia. Reing AB. **J Genet Psychol** 127(Second Half):305–16, Dec 75

Erythraemic myelosis in a thalassaemic child. Dutta AK, et al. **J Indian Med Assoc** 65(8):237–8. 16 Oct 75

Erythrocytic glucose 6-phosphate dehydrogenase deficiency in thalassaemia syndromes—a cytochemical study. Misra RC, et al. **J Indian Med Assoc** 65(2):40–2, 16 Jul 75

Thalassemia major and non-union of pathologic fractures. Herrick RT, et al. **J La State Med Soc** 127(9):341–7, Sep 75

Letter: Hypertriglyceridemia in homozygous beta thalassemia. Ameri MR, et al. **J Pediatr** 87(6 Pt 1):1002–3, Dec 75

Symptomatic joint effusions in sickle cell-beta-thalassemia disease. Report of a case. Crout JE, et al. **JAMA** 235(17):1878–9, 26 Apr 76

An individual with Hb-Lepore-Baltimore- delta beta-thalassaemia in a Yugoslavian family. Efremov GD, et al. **Scand J Haematol** 16(2):81–9, Feb 76

[Recurrent leg ulcer in a patient with sickle cell-thalassemia disease] Simonis A, et al. **Arch Belg Dermatol** 30(2):103–6, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[Acute lymphoblastic leukemia after tuberculosis in a 8-year old greek boy with homozygous beta-thalassemia (author's transl)] Lau B, et al. **Klin Paediatr** 187(4):357–60, Jul 75 (Eng. Abstr.) **(Ger)**

[Neonatal hemolytic anemias: genetic aspects and prevention] Pace DP. **G Clin Med** 55(6):417–29, Jun 74 (Eng. Abstr.) **(Ita)**

[Changes in the nervous system and hyperostosis of the bones of the vault of the skull in patients with homozygous beta-thalassemia] Mutalimova AB, et al. **Probl Gematol Pereliv Krovi** 21(1):41–3, Jan 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of long bone fractures in children with major beta-thalassemia] Novikova EZ, et al. **Vestn Rentgenol Radiol** (3):44–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Features of cerebrovascular disorders in children with beta-thalassemia major] Mutalimova AB. **Zh Nevropatol Psikhiatr** 75(10):1484–9, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Letter: Screening for thalassemia. Gottfried EL. **Am J Clin Pathol** 65(6):1031–2, Jun 76

Rapid estimation of hemoglobin A2 without chromatography or electrophoresis. Morin LG. **Clin Chem** 21(10):1490–2, Sep 75

Homozygous beta-thalassaemia in a Malawian. Borgstein A, et al. **East Afr Med J** 52(9):537–8, Sep 75

Editorial: Antenatal detection of thalassemia. Chandra RK. **Indian J Pediatr** 42(334):338–9, Nov 75

Screening tests in hypertriglyceridemia thalassemia syndrome. Parande CM, et al. **Indian Pediatr** 12(7):593–8, Jul 75

Comparison of methodologies for thalassemia screening by Hb A2 quantitation. Schmidt RM, et al. **J Lab Clin Med** 86(5):873–82, Nov 75

Developmental change in red blood cell volume: implication in screening infants and children for iron deficiency and thalassemia trait. Koerper MA, et al. **J Pediatr** 89(4):580–3, Oct 76

Prenatal diagnosis of sickle-cell anemia and alpha G Philadelphia. Study of a Fetus also at risk for H b S/beta+-thalassemia Alter BP, et al. **N Engl J Med** 294(19):1040–1, 6 May 76

Expression of the beta-thalassemia gene in the first trimester fetus. Chang H, et al. **Proc Natl Acad Sci USA** 72(9):3633–7, Sep 75

[Proceedings: Transitory neonatal leukoblastosis and heterozygous thalassemia] Bernard R, et al. **Arch Fr Pediatr** 32(6):582, Jun–Jul 75 **(Fre)**

[A case of thalassemia minor and twin pregnancy] Schulte-Krumpen VR, et al. **Zentralbl Gynaekol** 97(5):311–13, 1975 (Eng. Abstr.) **(Ger)**

[A critical analysis of several haematological tests for diagnosis of thalassaemia (author's transl)] Camagna A, et al. **Ann Ist Super Sanita** 10(3–4):203–14, 1974 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Thalassaemia, iron, and pregnancy. Hegde UM, et al. **Br Med J** 3(5982):509–11, 30 Aug 75

Editorial: 'Propper' use of desferrioxamine. Cerami A. **N Engl J Med** 294(26):1456–7, 24 Jun 76

ENZYMOLOGY

Superoxide dismutase in red blood cells: method of assay and enzyme content in normal subjects and in patients with beta-thalassemia (major and intermedia). Concetti A, et al. **J Lab Clin Med** 87(6):1057–64, Jun 76

FAMILIAL & GENETIC

A new Hb variant: Hb F Sardinia gamma75(E19) isoleucine leads to threonine found in a family with Hb G Philadelphia, beta-chain deficiency and a Lepore-like haemoglobin indistinguishable from Hb A2. Grifoni V, et al. **Acta Haematol (Basel)** 53(6):347–55, 1975

Study of a large Anglo-Saxon family with beta-thalassaemia trait. Raik E, et al. **Acta Haematol (Basel)** 55(1):40–7, 1976

Haemoglobin D and D thalassaemia. A family report, comprising 18 members. Tsistrakis GA, et al. **Acta Haematol (Basel)** 54(3):172–9, 1975

A Ggamma type of the hereditary persistence of fetal hemoglobin with beta chain production in cis. Huisman TH, et al. **Am J Hum Genet** 27(6):765–77, Nov 75

The interaction of alpha-thalassaemia and haemoglobin G Philadelphia. Rieder RF, et al. **Br J Haematol** 32(2):159–65, Feb 76

Haematological aspects of malaria. Esan GJ. **Clin Haematol** 4(1):247–56, Feb 75 (83 ref.)

Immunogenetic factors in thalassemia and hepatitis B infection. A multicentre study. Schanfield MS, et al. **Dev Biol Stand** 30:257–69, 1975

Is haemoglobin G alpha Philadelphia linked to alpha-thalassaemia? Politis-Tsegos C, et al. **Hum Genet** 31(1):67–74, 28 Jan 76

Homozygous alpha thalassemia (hydrops fetalis): evidence for deletion of the alpha structural gene. pp. 139–46. Kan YW, et al. **In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.**

Sickle cell thalassemia in an Israeli family. Dvilansky A, et al. **Isr J Med Sci** 12(6):543–7, Jun 76

Linkage relationships between beta- and delta-structural loci and African forms of beta thalassaemia. Weatherall DJ,

et al. **J Med Genet** 13(1):20–6, Feb 76

Testimony before the Senate Health Subcommittee. Senator Edward M. Kennedy, Chairman. RE: S. 1619, sickle cell anemia; S. 1715, the Genetics Bill; and S. 1620, Cooley's anemia. Scott RB. **J Natl Med Assoc** 67(6):498–9, Nov 75

Mild beta-thalassemia in black subjects. Kreimer-Birnbaum M, et al. **Johns Hopkins Med J** 137(6):257–64, Dec 75

The isolation and identification of haemoglobin Lephore Boston (Washington) in an Australian family. Wilkinson T, et al. **Med J Aust** 2(18):706–9, 1 Nov 75

The thalassemias. Orkin SH, et al. **N Engl J Med** 295(13):710–4, 23 Sep 76 (24 ref.)

Presence of gene for beta globin in homozygous beta0 thalassaemia. Tolstoshev P, et al. **Nature** 259(5539):95–8, 15 Jan 76

The molecular genetics of the thalassemia syndromes. Benz EJ Jr, et al. **Prog Hematol** 9:107–55, 1975 (159 ref.)

A study on the biochemical genetics of abnormal hemoglobins. I-Tao T. **Sci Sin** 18(4):527–44, Jul-Aug 75

[Hemoglobin C — beta-thalassemia disease and homozygous beta-thalassemia in a black African family (author's transl)] Basset P, et al. **Nouv Rev Fr Hematol** 15(3):343–56, May-Jun 75 (Eng. Abstr.) **(Fre)**

[Thalassemia minor in German families on the left bank of the middle Rhine] Persigehl M, et al. **Med Welt** 26(37):1633–4, 12 Sep 75 **(Ger)**

[Thalassemia. An example of the function and possibilities of clinical genetics] Theile U. **Med Welt** 27(26):1308–9, 25 Jun 76 **(Ger)**

[Incidence of beta-thalassemia in Hungary] Laub MW, et al. **Orv Hetil** 117(2):67–71, 11 Jan 76 **(Hun)**

[Genetic, biochemical, pathogenetic and laboratory aspects of thalassemia. Heterozygote thalassemia in Alghero] Plaisant G, et al. **Ann Sclavo** 17(3):324–53, May-Jun 75 (Eng. Abstr.) **(Ita)**

[Dermatoglyphics in beta-thalassemia major] Mutalimova AB, et al. **Genetika** 11(12):150–1, 1975 (Eng. Abstr.) **(Rus)**

[Population genetics aspects of the study of hemoglobinopathies in the population of the southern regions of the Uzbek and Tadzhik Soviet Republics] Gar'kavtseva RF, et al. **Probl Gematol Pereliv Krovi** 21(1):37–41, Jan 76 (Eng. Abstr.) **(Rus)**

[S-beta thalassemia hemoglobinopathy. Report of 2 cases in a Mexican family] Lepe Zúñiga JL, et al. **Bol Med Hosp Infant Mex** 33(3):661–76, May-Jun 76 (Eng. Abstr.) **(Spa)**

[Thalasemia in Chile (author's transl)] Daiber A, et al. **Rev Med Chil** 103(6):282–8, Jun 75 (Eng. Abstr.) **(Spa)**

[Haemoglobin H disease. Report of two Peruvian families (author's transl)] Jeri A, et al. **Sangre (Barc)** 21(1):67–76, 1976 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunoglobulin levels in children with homozygous beta-thalassemia. Valassi-Adam H, et al. **Acta Paediatr Scand** 65(1):23–7, Jan 76

The abnormal surface characteristics of the red blood cell membrane in congenital dyserythropoietic anaemia type II (HEMPAS). Gockerman JP, et al. **Br J Haematol** 30(4):383–94, Aug 75

Letter: Immunological reactivity in beta-thalassaemia. Fiorelli G, et al. **Lancet** 2(7927):235–6, 2 Aug 75

[Letter: Anti-beta-lipoprotein (anti-Ag) antibodies in a patient with major thalassemia] Chabaud F, et al. **Nouv Presse Med** 4(39):2814, 15 Nov 75 **(Fre)**

[Evaluation of the phagocytic activity of the neutrophil granulocytes (NTB-test) and the blood immunoglobulin level in splenectomized subjects with beta-thalassemia] Genova R, et al. **Pediatria (Napoli)** 83(1):60–9, 31 Mar 75 (Eng. Abstr.) **(Ita)**

[Haemoglobin H disease. Third form of alfa-thalassaemia found in Colombia (author's transl)] Echavarria A, et al. **Sangre (Barc)** 21(1):43–53, 1976 (Eng. Abstr.) **(Spa)**

METABOLISM

Molecular pathology of the thalassemias. Forget BG, et al. **Adv Intern Med** 21:97–128, 1976 (87 ref.)

The relationship between anemia, fecal stercobilinogen, erythrocyte survival, and globin synthesis in heterozygotes for beta-thalassemia. Gallo E, et al. **Blood** 46(5):693–8, Nov 75

Globin chain synthesis in HbD (Punjab)-beta-thalassemia. Rieder RF. **Blood** 47(1):113–20, Jan 76

Unbalanced globin chain synthesis in erythroid precursor cells of heterozygous alpha-thalassaemia. Steinberg MH, et al. **Br J Haematol** 66(3):55–60, Sep 76

Calcium metabolism in children suffering from homozygous beta-thalassaemia after oral administration of 47Ca. Liakakos D, et al. **Nuklearmedizin** 15(2):77–9, Apr 76

Imbalanced globin chain synthesis in heterozygous beta-thalassemic bone marrow. Chalevelakis G, et al. **Proc Natl Acad Sci USA** 72(10):3853–7, Oct 75

Demonstration of non-functional beta-globin mRNA in homozygous beta degrees-thalassemia. Kan YW, et al. **Proc Natl Acad Sci USA** 72(12):5140–4, Dec 75

[The molecular pathogenesis of the thalassemia syndromes (author's transl)] Terada M, et al. **Acta Haematol Jpn** 38(6):711–4, Dec 75 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Alpha-thalassaemia in Cuba. Martinez G, et al. **Acta Haematol (Basel)** 55(1):36–9, 1976

Beta-thalassaemia of clinical significance in adult Jamaican Negroes. Ahern E, et al. **Br J Haematol** 30(2):197–213, Jun 75

Incidence of hemoglobin Barts in cord blood samples. Vora S, et al. **Indian J Med Sci** 29(8–9):205–7, Aug-Sep 75

Thalassemia in Greek Americans. Bartsocas CS. **J Pediatr** 88(1):165–6, Jan 76

Alpha thalassemia in American-born Filipino infants. Koenig HM, et al. **J Pediatr** 87(5):756–8, Nov 75

Prevalence of abnormal hemoglobin and thalassemia trait in a group of professional blood donors and hospital staff in Karachi. Farzana F, et al. **JPMA** 25(9):237–9, Sep 75

Prevalence of abnormal hemoglobin and thalassemia trait in a group of professional blood donors and hospital staff in Karachi. Farzana F, et al. **JPMA** 25(9):237–9, Sep 75

Abnormal hemoglobins, thalasemia trait & G6PD deficiency in young Pakistani males. Hashmi JA, et al. **JPMA** 26(1):2–4, Jan 76

Abnormal hemoglobins, thalasemia trait & G6PD deficiency in young Pakistani males. Hashmi JA, et al. **JPMA** 26(1):2–4, Jan 76

Letter: Thalassaemia trait, abnormal haemoglobins, and raised fetal haemoglobin in Karachi. Hashmi JA, et al. **Lancet** 1(7952):206, 24 Jan 76

Letter: Abnormal haemoglobins in South-East Staffordshire. Ormerod TP. **Lancet** 2(7930):360–1, 23 Aug 75

Haemoglobinopathies and their occurrence in South East Asia. Jonxis JH. **Paediatr Indones** 15(3–4):112–9, Mar-Apr 75

Thalassaemia in Cyprus. Bate CM. **Proc R Soc Med** 68(8):514–6, Aug 75

[Present trends in genetic counseling in Milan] Morganti G, et al. **J Genet Hum** 23 SUPPL:243–4, Oct 75 **(Fre)**

[Cooley's disease (beta+-thalassemia major) in Costa Rica (author's transl)] Saenz GF, et al. **Sangre (Barc)** 21(1):117–22, 1976 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Observations on the ultrastructure of erythropoietic cells and reticulum cells in the bone marrow of patients with homozygous beta-thalassaemia. Wickramasinghe SN, et al. **Br J Haematol** 30(4):395–9, Aug 75

Intestinal mucosal changes in thalassaemia major. Awwad S, et al. **Gaz Egypt Paediatr Assoc** 23(3–4):261–5, Jul-Oct 75

PHYSIOPATHOLOGY

Endocrinopathy in thalassaemia major. McIntosh N. **Arch Dis Child** 51(3):195–201, Mar 76

Threshold adrenocortical function in children with thalassaemia. McIntosh N. **J Endocrinol** 68(1):159–60, Jan 76

RADIOGRAPHY

[Thalassemia] Ramallo EA, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:571, 1975 **(Fre)**

SURGERY

Splenectomy in homozygous beta thalassaemia: a retrospective study of 30 patients. Engelhard D, et al. **Br J Haematol** 31(3):391–403, Nov 75

[Splenectomy for thalassanaemia minor] Chirpukov TI. **Khirurgiia (Sofiia)** 29(2):172, 1976 **(Bul)**

THERAPY

Brucellosis in two thalassaemic patients infected by blood transfusions from the same donor. Economidou J, et al. **Acta Haematol (Basel)** 55(4):244–9, 1976

Beneficial effects of transfusing a patient with nontransfusion-dependent thalassaemia major. McIntosh N. **Arch Dis Child** 51(6):471–2, Jun 76

Editorial: Blood transfusion and iron overload. **Br Med J** 4(5991):244–5, 1 Nov 75

Reassessment of the use of desferrioxamine B in iron overload. Propper RD, et al. **N Engl J Med** 294(26):1421–3, 24 Jun 76

[Treatment of thalasemia major with a multiple transfusion schedule (author's transl)] Celada A, et al. **Sangre (Barc)** 21(1):25–31, 1976 (Eng. Abstr.) **(Spa)**

URINE

Urine porphyrins and their precursors in homozygous beta-thalassaemia. Lyberatos C, et al. **Acta Haematol (Basel)** 54(2):95–7, 1975

THALASSOTHERAPY

Pulmonary function in asthmatic children during thalassotherapy. Etspüler R, et al. **Paediatr Paedol** 10(4):330–5, 1975

[Psoriasis vulgaris: recurrence-free interval after 1st climate therapy at the North Sea] Pürschel W, et al. **Z Hautkr** 51(2):39–44, 15 Jan 76 **(Ger)**

[Thalassotherapy of patients with some chronic dermatoses in the Azov Sea basin] Bazyka AP, et al. **Vestn Dermatol Venerol** (8):58–62, Aug 75 **(Rus)**

THALICARPINE see under **APORPHINES**

THALIDOMIDE

New observations on rabbit blastocysts after in vitro exposure to thalidomide – some correlated SEM and TEM studies. pp. 385–92. Moustafa LA.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

ADVERSE EFFECTS

Thalidomide anomalies of the ear. Takemori S, et al. **Arch Otolaryngol** 102(7):425–7, Jul 76

The pathogenesis of congenital malformations. McCredie J. **Australas Radiol** 19(4):348–55, Dec 75

Epilepsy: a neurological complication of thalidomide embryopathy. Stephenson JB. **Dev Med Child Neurol** 18(2):189–97, Apr 76

Editorial: Ocular teratogens: A commentary. Apt L, et al. **J Pediatr** 87(5):844–5, Nov 75

Letter: Neural crest, limb development, and thalidomide embryopathy. Gardner E, et al. **Lancet** 1(7960):635–7, 20 Mar 76

Mechanism of the teratogenic effect of thalidomide. McCredie J. **Med Hypotheses** 2(2):63–9, Mar-Apr 76

Studies of the etiology of thalidomide dysmorphogenesis. McBride WG. **Teratology** 14(1):71–87, Aug 76

ANALOGS & DERIVATIVES

Teratology study of two isoglutamine derivatives. Koch H, et al. **Arch Toxicol (Berl)** 35(1):63–8, 30 Jan 76

[The biologic half-life of the thalidomide-like compound K-2004 (author's transl)] Pischek G, et al. **Arch Pharm (Weinheim)** 308(11):863–8, Nov 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Ultrastructural changes in the dorsal root ganglia evoked by thalidomide in rabbits. Stokes PA, et al. **Experientia** 32(5):597–9, 15 May 76

The effect of phenylalanine, glycine, lysine, thymidine and thalidomide upon the developmental age in Drosphila melanogaster. Bergström RM, et al. **Geron** (20):125–32, 1974–75

Ultrastructural changes in the dorsal root ganglia evoked by thalidomide, preceding limb development. pp. 709–15. McBride WG.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

THERAPEUTIC USE

Polymorphous light eruption: Treatment with thalidomide. Saul A, et al. **Australas J Dermatol** 17(1):17–21, Apr 76

Thalidomide in lepra reaction. Sheskin J. **Int J Dermatol** 14(8):575–6, Oct 75

[World survey on the use of thalidomide in leprosy reaction] Sheskin J, et al. **Med Cutan Iber Lat Am** 3(1):81–3, 1975 (Eng. Abstr.) **(Spa)**

TOXICITY

The action of thalidomide on the peripheral nervous system of the embryo. McCredie J. **Proc Aust Assoc Neurol** 12:135–40, 1975

[The fawn rabbit of Burgundy in teratology. Spontaneous malformations and malformations provoked by thalidomide] Pasquet J. **Biol Med (Paris)** 3(2):149–77, Nov 74 (41 ref.) **(Fre)**

THALLIUM

Acute oral toxicity and tissue residues of thallium sulfate in golden eagles, Aquila chrysaetos. Bean JR, et al. **Bull Environ Contam Toxicol** 15(1):118–21, Jan 76

Adsoption of thallium ions by Prussian blue. Rauws AG, et al. **Bull Environ Contam Toxicol** 15(3):335, Mar 76

Pathophysiology of technetium-99m stannous pyrophosphate and thallium-201 scintigraphy of acute anterior myocardial infarcts in dogs. Buja LM, et al. **J Clin Invest** 57(6):1508–22, Jun 76

Synthesis of isoflavones substituted in ring B by the oxidative rearrangement of 2'-hydroxychalcones with thallium (III) nitrate. Lévai A, et al. **Pharmazie** 29(11):747, 1975

Oxidation of 17-methylene steroids by thallium (III) and mercury (II) acetates. Ortar G, et al. **Steroids** 27(2):197–203, Feb 76

ADVERSE EFFECTS

Teratogenic micromelia in the chick embryo: osteo-vasculo-neural macro-relations. Roth M. **Folia Morphol (Praha)** 23(3):236–46, 1975

ANALYSIS

[Contribution to the determination of thallium in human head hair in forensic cases with flameless atomic absorption spectrometry] Hagedorn-GOTZ H, et al. **Arch Toxicol (Berl)** 34(1):17–26, 5 Sep 75 (Eng. Abstr.) **(Ger)**

BLOOD

Distribution of thallium and lead in children's blood. Singh NP, et al. **Arch Environ Health** 30(11):557–8, Nov 75

Thallium in human erythrocyte membranes: an x-ray photoelectron spectroscopy study. Meisenheimer RG, et al. **Biochem Biophys Res Commun** 68(3):994–9, 9 Feb 76

DIAGNOSTIC USE

Myocardial imaging using selective intracoronary injection of Thallium-201. Korhola O, et al. **Ann Clin Res** 8(2):124–5, Apr 76

Noninvasive visualization of acute myocardial infarction in man with thallium-201. Wackers FJ, et al. **Br Heart J** 37(7):741–4, Jul 75

Transient transmural reduction of myocardial blood flow demonstrated by thallium-201 scintigraphy, as a cause of variant angina. Maseri A, et al. **Circulation** 54(2):280–8, Aug 76

Refocussing of T1-201 myocardium scintigrams using a Fridman deconvolution filter. pp. 273–4. Graaf CN, et al.
In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.

Considerations of 201T1 as a myocardial radionuclide imaging agent in man. Schelbert HR, et al.
Invest Radiol 11(3):163–71, May–Jun 76

Thallium-201 for myocardial imaging: appearance of the normal heart. Cook DJ, et al. **J Nucl Med** 17(7):583–9, Jul 76

Dosimetry of four heart-imaging radionuclides: 43K, 81Rb, 129Cs, and 201Ti. Feller PA, et al. **J Nucl Med** 16(11):1070–5, Nov 75

Interpolative background subtraction. Goris ML, et al.
J Nucl Med 17(8):744–7, Aug 76

Thallium-201: scintillation camera imaging considerations. Groch MW, et al. **J Nucl Med** 17(02):142–5, Feb 76

Acute myocardial infarction imaged with 99mTc-stannous pyrophosphate and 201Tl: a clinical evaluation Parkey RW, et al. **J Nucl Med** 17(9):771–9, Sep 76

Radiation dose to the liver from 201Ti Watson EE, et al. **J Nucl Med** 16(11):1089–90, Nov 75

Idiopathic hypertrophic subaortic stenosis: detection by thallium 201 myocardial perfusion imaging. Bulkley BH, et al. **N Engl J Med** 293(22):1113–6, 27 Nov 75

Value and limitations of thallium-201 scintigraphy in the acute phase of myocardial infarction. Wackers FJ, et al. **N Engl J Med** 295(1):1–5, 1 Jul 76

[Myocardial scintigraphy using thallium 201. New development] Ducassou D, et al. **Nouv Presse Med** 4(20):1512, 17 May 75 **(Fre)**

[The reliability of myocardial scintigraphy with thallium201, A comparison with lacvocardiography and perfusion scintigraphy (author's transl)] Felix R, et al.
Fortschr Geb Roentgenstr Nuklearmed 124(3):210–4, Mar 76 (Eng. Abstr.) **(Ger)**

[Clinical and experimental investigations with 201tl for noninvasive myocardial scintigraphy (author's transl)] Lichte H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):206–10, Mar 76 (Eng. Abstr.) **(Ger)**

[201Thalium scintimetry of the heart as a new method for functional assessment in coronary heart disease (author's transl)] Büll U, et al. **God Zb Med Fak Skopje** 124(5):434–43, May 76 (Eng. Abstr.) **(Ger)**

METABOLISM

Accumulation of thallium in clams and mussels. Zitko V, et al. **Bull Environ Contam Toxicol** 14(5):530–3, Nov 75

The cryptonephridial system in the mealworm Tenebrio molitor: transport of radioactive potassium, thallium and sodium; a functional and structural study. Koefoed BM. **Cell Tissue Res** 165(1):63–78, 29 Dec 75

A comparison of radioactive thallium and potassium fluxes in the giant axon of the squid. Landowne D.
J Physiol (Lond) 252(1):79–96, Oct 75

[Distribution of thallium in the animal organism in acute poisoning] Reinhardt G, et al. **Beitr Gerichtl Med** 32:226–9, 1974 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Uncoupling of mitochondrial oxidative phosphorylation by thallium. Melnick RL, et al.
Biochem Biophys Res Commun 69(1):68–73, 8 Mar 76

The effect of heavy metals on plants II. Net photosynthesis and transpiration of whole corn and sunflower plants treated with Pb, Cd, and Tl. Carlson RW, et al.
Environ Res 10(1):113–20, Aug 75

Thallium activation and inhibition of yeast aldehyde dehydrogenase. Bostian K, et al. **FEBS Lett** 59(1):88–91, 1 Nov 75

[Proceedings: Responses of lateral line organs to various heavy metal ions] Nakagawa K, et al.
J Physiol Soc Jpn 36(8–9):315–6, 1 Sep 74 **(Jpn)**

POISONING

Elimination of thallium in rats as influenced by Prussian Blue and sodium chloride. Manninen V, et al.
Acta Pharmacol Toxicol (Kbh) 39(2):256–61, Aug 76

Forced diuresis in thallium intoxication. Van Hees PA, et al. **Neth J Med** 18(4):125–8, 1975

[Thallium poisoning in cats] Breukink HJ, et al.
Tijdschr Diergeneeskd 101(11):611–2, 1 Jun 76 **(Dut)**

[Homicide through poison using a rodenticide-containing thallium] Fischbach R. **Arch Kriminol** 151(3–4):91–5, Mar–Apr 73 **(Ger)**

[Distribution of thallium in the organism of a pregnant domestic cat] Fitzek A, et al.
Dtsch Tieraerztl Wochenschr 83(2):66–8, 5 Feb 76 (Eng. Abstr.) **(Ger)**

[Thallium intoxication treated by hemodialysis, forced diuresis and antidote (author's transl)] Barckow J, et al. **Med Klin** 71(35):1377–82, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Intensive care in severe thallium poisoning with special reference to extracorporeal dialysis] Hoppe-Seyler G, et al. **Verh Dtsch Ges Inn Med** 81:692–5, 1975 **(Ger)**

[Poisonings with thallium compounds] Budrin IuP, et al.
Sud Med Ekspert 18(4):37–9, Oct–Dec 75 **(Rus)**

[Acute thalium poisoning (author's transl)] Ossa P, et al.
Rev Med Chil 103(4):256–9, Apr 75 (Eng. Abstr.) **(Spa)**

TOXICITY

Acute cardiovascular toxicity of thallium (I) ions. Lameijer W, et al. **Arch Toxicol (Berl)** 35(1):49–61, 30 Jan 76

Toxicity and pollution potential of thallium. Zitko V.
Sci Total Environ 4(2):185–92, Jul 75 (89 ref.)

URINE

A rapid and specific method for the determination of traces of thallium directly in urine by differential pulse anodic stripping voltammetry. Franke JP, et al.
Arch Toxicol (Berl) 34(2):137–43, 20 Oct 75

THAM see **TROMETHAMINE**

THANATOLOGY see under **DEATH**

THEBAINE

ANALOGS & DERIVATIVES

Synthesis of compounds related to endo-6,14-ethenotetrahydrothebaines. Crabb TA, et al.
J Chem Soc [Perkin I] (6):644–51, 1976

Letter: A 2,6-methano-3-benzazocine related to the thebaine Diels-Alder adduct derivatives. Michne WF.
J Org Chem 41(5):894–6, 5 Mar 75

ANALYSIS

Thebaine variations between germplasm sources within one collection of Papaver bracteatum Lindl. Coffman CB, et al. **Bull Narc** 27(3):41–6, Jul–Sep 75

Rapid semi-quantitative spot test for determination of thebaine and differentiation of Papaver bracteatum from P. orientale and P. pseudo-orientale. Vincent PG, et al.
Lloydia 39(1):76–8, Jan–Feb 76

Spectrofluorimetric determination of thebaine. Chalmers RA, et al. **Mikrochim Acta** (3 Pt. 2):273–85, Sep 75

CHEMICAL SYNTHESIS

Synthesis of thebaine and oripavine from codeine and morphine. Barber RB, et al. **J Med Chem** 18(11):1074–7, Nov 75

THEBAINE DERIVATIVES see under **THEBAINE**

THECA CELL TUMOR

Meigs' syndrome. A case report. Cheifitz RL, et al.
S Afr Med J 50(3):83–4, 17 Jan 76

[Anatomical aspects of feminizing tumors of the ovary] Gavrilescu C, et al.
J Gynecol Obstet Biol Reprod (Paris) 3(6):801–11, Sep 74 (Eng. Abstr.) **(Fre)**

[The coma in a woman already mono-ovariectomized and irradiated] Bersi S. **Pathologica** 67(965–966):159–65, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Luteoma of pregnancy. Review of the literature and report of the 1st case in Mexico] Peredo Esparza JI, et al.
Ginecol Obstet Mex 40(237):41–52, Jul 76 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

The relationship of functioning ovarian tumours to endometrial carcinoma. p. 255. Rainer S, et al.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

[Thecoma ovarii as a cause of Meigs' syndrome] Lazarevski M, et al. **God Zb Med Fak Skopje** 17:337–44, 1971 **(Ser)**

METABOLISM

Luteoma of pregnancy with androgenic activity. pp. 249–51. Zander J, et al.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

PATHOLOGY

Cytologic changes in an ovarian thecoma. Fentanes de Torres E. **Acta Cytol (Baltimore)** 20(2):104–5, Mar–Apr 76

Granulosa-theca cell tumor arising in a benign cystic teratoma of the ovary. Ueda G, et al.
Acta Obstet Gynaecol Jpn 21(1):27–32, Jan 74

Experimental ovarian tumors in mice: incidence, ultrastructure and in vitro steroid biosynthesis. Ueda G, et al. **Acta Obstet Gynaecol Jpn** 21(3):135–42, Jul 74

Letter: Luteoma of pregnancy. Hensleigh PA.
Am J Obstet Gynecol 123(1):104, 1 Sep 75

Luteoma of pregnancy: ultrastructural features. Garcia-Bunuel R, et al. **Hum Pathol** 7(2):205–14, Mar 76

Ovarian tumorigenesis after whole body x-ray irradiation in ddY/F and C3H/Tw mice. Komuro M.
J Radiat Res (Tokyo) 17(2):99–105, Jun 76

Unilateral lutein cyst in pregnancy. Albukerk JN, et al.
NY State J Med 76(2):259–61, Feb 76

[Thecomas. Ultrastructure and histo-enzymology] Laffargue P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):955–68, Nov–Dec 73 (Eng. Abstr.) **(Fre)**

SECRETION

A testosterone-secreting, gonadotropin-responsive pure thecoma and polycystic ovarian disease. Givens JR, et al.
J Clin Endocrinol Metab 41(5):845–53, Nov 75

THECA CELLS see under **GRAAFIAN FOLLICLE**

THEILERIASIS

Bovine cerebral theileriosis: a report on five cases with splenic infarction. van Rensburg IB. **J S Afr Vet Assoc** 57(2):137–41, Jun 76

Letter: East coast fever. Kagonyera G. **Vet Rec** 97(7):138, 16 Aug 75

BLOOD

Ultrastructure of blood platelets in cattle with East Coast fever. Kimeto BA. **Am J Vet Res** 37(4):443–7, Apr 76

COMPLICATIONS

The pathogenesis of anaemia in Theileria annulata infection. Hooshmand-Rad P. **Res Vet Sci** 20(3):324–9, May 76

DIAGNOSIS

Application of the indirect fluorescent antibody test for diagnosis of Theileria hirci infection of sheep: using cell culture schizont antigen. Hawa N, et al.
Trop Anim Health Prod 8(2):97–101, May 76

Studies on Theileriidae (Sporozoa) in Tanzania. II. Serological characterization of Haematoxenus veliferus. Mpangala C, et al. **Tropenmed Parasitol** 27(2):192–6, Jun 76

DRUG THERAPY

Chemotherapy of Theileria parva infection. McHardy N, et al. **Nature** 261(5562):698–9, 24 Jun 76

[Treatment of cattle with theileriasis] Shakiev ESh, et al.
Veterinariia (3):76, Mar 76 **(Rus)**

IMMUNOLOGY

Serological response to the indirect fluorescent antibody test of cattle infected with Theileria sergenti. Takahashi K, et al. **Br Vet J** 132(1):112–7, Jan–Feb 76

Cellular immunity in chronic Theiler's virus central nervous system infection. Rabinowitz SG, et al. **J Immunol** 117(2):357–63, Aug 76

Diminished antibody response to rinderpest vaccination in cattle undergoing experimental East Coast fever. Wagner GG, et al. **Res Vet Sci** 19(2):209–11, Sep 75

The effect of leucocytes from cattle immunized against East Coast fever on the migration of bovine lymphoblasts infected with Theileria parva. Muhammed SI.
Zentralbl Veterinaermed [B] 22(6):455–60, Aug 75

[Role of antibody detected by the indirect fluorescent antibody test in the clinical signs of cattle infected with Theileria sergenti] Takahashi K, et al. **Jpn J Vet Sci** 37(5):295–301, Oct 75 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

[Electron microscope studies on developmental stages of Theileria parva (Theiler, 1904) in the intestine of the tick Hyalomma anatolicum excavatum (Koch, 1844) (author's transl)] Mehlhorn H, et al. **Tropenmed Parasitol** 27(2):182–91, Jun 76 (Eng. Abstr.) **(Ger)**

[Virulence and immunogenic properties in strains of Theileria annulata] Askarov EM. **Veterinariia** (5):76–8, May 75 **(Rus)**

[Immunofluorescence reaction in the study of the antigenic and immunogenic properties of Theileria annulata] Askarov EM. **Veterinariia** (6):74–6, Jun 75 **(Rus)**

PARASITOLOGY

Adaptation and possible attenuation of Theileria parva-infected cells grown in irradiated mice. Irvin AD, et al. **J Comp Pathol** 86(1):51–7, Jan 76

Development of Theileria mutants (Aitong) in the tick Amblyomma variegatum compared to that of T. parva (Muguga) in Rhipicephalus appendiculatus. Purnell RE, et al. **J Parasitol** 61(4):725–9, Aug 75

Studies on the life of bovine Theileria species of Japan. With special reference to growth and multiplication of parasite inhabiting the blood in the body of cattle. Tayama H.
Kitasato Arch Exp Med 48(2–3):107–23, Sep 75

Simulation in vitro of bovine host cycle of Theileria parva. Danskin D, et al. **Nature** 261(5558):311–2, 27 May 76

Correlation between the morphology and infectivity of

Theileria lawrencei developing in the tick Rhipicephalus appendiculatus. Young AS, et al. **Parasitology** 71(1):27–34, Aug 75

Hybrid cells, infected with Theileria parva, formed by fusion of hamster and mouse cells with parasitised bovine lymphoid cells. Irvin AD, et al. **Res Vet Sci** 19(2):142–51, Sep 75

The establishment of Theileria-infected cell lines from an eland (Taurotragus oryx, Lydekker 1906). Stagg DA, et al. **Res Vet Sci** 20(2):122–6, Mar 76

PREVENTION & CONTROL

Effects of 60Co irradiation of the early developmental stages of an ixodid tick, Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(2):159–68, Feb 76

TRANSMISSION

Transstadial transmission of Theileria annulata through common ixodid ticks infesting Indian cattle. Bhattacharyulu Y, et al. **Parasitology** 71(1):1–7, Aug 75

Theileria mutans: experimental transmission by Haemaphysalis punctata. Brocklesby DW, et al. **Tropenmed Parasitol** 26(3):295–302, Sep 75

Studies on Theileriidae (Sporozoa) in Tanzania. I. Tick transmission of Haematoxenus veliferus. Uilenberg G, et al. **Tropenmed Parasitol** 27(1):106–11, Mar 76

THELAZIA see under **SPIRUROIDEA**

THEMATIC APPERCEPTION TEST

Prediction of locus of control orientation from the Thematic Apperception Test. Johnson BL, et al. **J Clin Psychol** 31(3):547–8, Jul 75

Administrator's gender and sexual content in projective test protocols. Milner JS. **J Clin Psychol** 31(3):540–1, Jul 75

Effects of guilt, approachability of examiner, and stimulus relevance upon sexual responses to thematic apperception stimuli. Janda LH. **J Consult Clin Psychol** 43(3):369–74, Jun 75

The relationship between behavioral indices of aggression and hostile content on the TAT. Matranga JT. **J Pers Assess** 40(2):130–4, Apr 76

Further studies on deprivation/enhancement patterns. May R. **J Pers Assess** 39(2):116–22, Apr 75

Associative elaboration and integration scales for evaluating TAT protocols. Slemon AG, et al. **J Pers Assess** 40(4):365–9, Aug 76

Perceptions of emotionally disturbed male adolescents on the Thematic Apperception Test. Bachtold LM. **Percept Mot Skills** 40(3):867–71, Jun 75

Marihuana effects on TAT form and content. Roth WT, et al. **Psychopharmacologia** 43(3):261–6, 17 Sep 75

[Psychological diagnosis of sluggish schizophrenia (according to thematic apperception test findings)] Boiarshinova TN. **Zh Nevropatol Psikhiatr** 75(11):1680–2, 1975 (Eng. Abstr.) **(Rus)**

THENOYLTRIFLUOROACETONE see under **THIOPHENES**

THEOBROMINE

Identification of the bitter principle of cocoa. Pickenhagen W, et al. **Helv Chim Acta** 58(4):1078–86, 4 Jun 75

Theobromine and theophylline. Timson J. **Mutat Res** 32(2):169–78, 1975 (52 ref.)

ANALOGS & DERIVATIVES

The effects of a new xanthine derivative, 3,7-dimethyl-1(5-oxohexyl)-xanthin (pentoxifylline) on the general and cardiac haemodynamics of the intact animal. Maxwell GM. **Aust J Exp Biol Med Sci** 53(4):265–71, Aug 75

[Experiences with Brondiletten retard (B 680 RD) in bronchitic ventilation disorders] Tannenberg G. **Med Monatsschr** 29(11):513–6, Nov 75 **(Ger)**

ANALYSIS

Potentiometric determination of theopaverin components in nonaqueous media. Sell E. **Pol J Pharmacol Pharm** 27(5):561–5, Sep–Oct 75

[Separation of caffeine, theophylline and theobromine with assistance from high pressure liquid chromatography] Wildanger W. **J Chromatogr** 114(2):480–2, 26 Nov 75 **(Ger)**

ISOLATION & PURIFICATION

[Presence of theobromine in leaves of Ilex perado (author's transl)] Bohing P, et al. **Planta Med** 28(4):374–8, Dec 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Actions of various methylxanthines and papaverine on the synthesis of corticosterone in vitro. Vapaatalo H, et al. **Arzneim Forsch** 25(8):1265–9, Aug 75

Effect of methylxanthines on hepatic microsomal enzymes in the rat. Aeschbacher HU, et al. **Toxicol Appl Pharmacol** 33(3):575–81, Sep 75

[Level of nicotinamide coenzymes in the myocardium of rats during the effects of methylxanthines (theophylline, theobromine, caffeine) and catecholamines] Frantsuzova SB. **Biull Eksp Biol Med** 79(4):68–71, Apr 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Cosaldon in the treatment of cerebral arteriosclerosis] Dzialek E, et al. **Wiad Lek** 28(18):1547–9, 15 Sep 75 (Eng. Abstr.) **(Pol)**

THEOPHYLLINE

Letter: Theophylline sensitivity. Fishman AE. **Ann Allergy** 36(4):281, Apr 76

The search for new drugs in the group of xanthine derivatives. XXXIX – Reaction of 1,2-epoxycyclohexane with theophylline and 8-halotheophyllines. Zajaczkowska J. **Farmaco [Sci]** 30(11):927–34, Nov 75

Decreased theophylline half-life in cigarette smokers. Jenne H, et al. **Life Sci** 17(2):195–8, 15 Jul 75

Theobromine and theophylline. Timson J. **Mutat Res** 32(2):169–78, 1975 (52 ref.)

[Selection of cell lines resistant to ouabain from murine plasmacytoma MOPC 173. Cross resistance to cyclic AMP, theophylline, and concanavalin A] Paraf A, et al. **C R Acad Sci [D] (Paris)** 281(9):567–70, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Selection of cell lines resistant to cyclic AMP and theophylline from murine plasmocytoma MOPC 173. Cross resistance to ouabain and concanavalin A] Paraf A, et al. **C R Acad Sci [D] (Paris)** 281(10):683–5, 8 Sep 75 (Eng. Abstr.) **(Fre)**

[Study of the conditions for grinding a powder of diprophyllin in the presence of solvents] Golovkin VO, et al. **Farm Zh** 31(1):71–3, Jan–Feb 76 **(Ukr)**

ADMINISTRATION & DOSAGE

A trial of aerosolized theophylline in relieving bronchospasm. Stewart BN, et al. **Chest** 69(6):718–21, Jun 76

Experiences with various preparations of ephedrine theophylline combination in chronic obstructive pulmonary disease. Kamat SR, et al. **Indian J Chest Dis** 18(1):25–35, Jan 76

Clinical experience with theophylline. Relarionships between dosage, serum concentration, and toxicity. Jacobs MH, et al. **JAMA** 235(18):1983–6, 3 May 76

Aminophylline injection and theophylline tablets: Acute response in partially reversible chronic airway obstruction. Freitag A. **Med J Aust** 1(14):478–9, 3 Apr 76

Compliance of chronic asthmatics with oral administration of theophylline as measured by serum and salivary levels. Eney RD, et al. **Pediatrics** 57(4):513–7, Apr 76

The efficacy of Neo-Biphyllin Retard in asthmatic patients--a theophylline slow-releasing coated tablet. Albrecht H, et al. **Pneumonologie** 153(3):177–84, 25 Jun 76

[Use of an orally administered hydro-alcohol solution of theophylline in chronic obstructive bronchopathy: preliminary study] Tanzj L, et al. **Cardiol Prat** 25(4):349–54, Oct–Dec 74 (Eng. Abstr.) **(Ita)**

[Characteristics of aggressive behavior induced by chronic administration of theophylline in rats] Sakata T, et al. **Folia Pharmacol Jpn** 71(5):427–36, Jul 75 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Theophylline toxicity in an infant. Badiei B, et al. **Ann Allergy** 35(5):309–11, Nov 75

ANALOGS & DERIVATIVES

Determination of proxyphylline and dyphylline in capillary blood samples by means of electron capture gas chromatography. Arbin A, et al. **Acta Pharm Suec** 13(3):235–40, 1976

Treatment of cerebral embolism in heart surgery. Bross W, et al. **Ann Chir Gynaecol Fenn** 64(5):280–3, 1975

Thermographical follow-up during treatment of chronic ulcerations with iontophoresis with xanthinol nicotinate. van der Kuy A, et al. **Bibl Radiol** (6):203–9, 1975

Some benzylidene acetal derivatives of theophylline nucleosides. Freestone AJ, et al. **Carbohydr Res** 45:3–9, Dec 75

The action of alkali on keto-nucleosides: the formation of saccharinic acid nucleosides during the alkaline degradation of 7-(6-deoxy-3,4-O-isopropylidene-beta-L-lyxo-hexopyra Halmos T, et al. **Carbohydr Res** 43(1):208–12, Aug 75

Observations on the effects of antiaggregating drugs on platelet function. pp. 282–91. Ulutin SB, et al. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.**

The pharmacokinetics of dihydroxypropyltheophylline: a basis for rational therapy. Simons FE, et al. **J Allergy Clin Immunol** 56(5):347–55, Nov 75

Preparation and stereochemistry of an unusual copper(II)-purine complex. Axial and equatorial purine ligands in the square-pyramidal complex bis(theophyllinato)(diethylenetriamine)copper(II) dihydrate. Sorrell T, et al. **J Am Chem Soc** 98(8):2181–8, 14 Apr 76

Studies on 7-(3,5-dideoxy-2-C-methoxycarbonyl-beta-L-pentofuran Configuration at the branch point and biological activity. Halmos T, et al. **J Chem Soc [Perkin I]** (21):2138–40, 1975

Efficacy of dyphylline (dihydroxypropyltheophylline) in exercise-induced bronchospasm. Simons FE, et al. **Pediatrics** 56(5 pt-2 suppl):916–8, Nov 75

Changes in the activities of blood and tissue adenosinetriphosphatase and lactate dehydrogenase after exposure to 60Co gamma-rays in association with some drug treatments. Păuşescu E, et al. **Physiologie** 13(1):61–6, Jan–Mar 76

The search for new drugs in the group of xanthine derivatives. Part XL. 7-Aminoxyalkyltheophyllines. Drabczyńska A, et al. **Pol J Pharmacol Pharm** 28(1):95–103, Jan–Feb 76

Xanthinol nicotinate in peripheral vascular disease. Davis E, et al. **Practitioner** 215(1290):793–8, Dec 75

The use of Xavin infusions in obliterating peripheral arterial disorders. Keller L, et al. **Ther Hung** 23(2):54–9, 1975

Acute effect of xanthinol nicotinate on the muscle clearance of 133Xenon. Szilvási I, et al. **Ther Hung** 21(3–4):114–6, 1973

[Simultaneous study of the placental, myometrial and cervical circulations (indium 113 and anemometric thermometry). 2. Effect of xanthinol nicotinate] Renaud R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):513–7, Jun 76 (Eng. Abstr.) **(Fre)**

[Clinical trial of xanthinol nicotinate in delayed form in the treatment of arteritis of the lower limbs] Niquet G, et al. **Lille Med** 21(1 suppl 1):13–5, Jan 76 **(Fre)**

[Experimental psychological study of the effect of a hexobendine-etamivan-etofylline combination] Klebel VE. **Arzneim Forsch** 25(5):831–6, May 75 (Eng. Abstr.) **(Ger)**

[The reactions of embryonic tissues and cells to xantinol-nicotinate in the culture (author's transl)] Lipp VR. **Arzneim Forsch** 26(5):759–64, 1976 (Eng. Abstr.) **(Ger)**

[Influence of a pressure agent on blood concentrations of glucose, lactate, pyruvate and free fatty acids (author's transl)] Rettig G, et al. **Arzneim Forsch** 26(6):1223–7, 1976 (Eng. Abstr.) **(Ger)**

[The influence of xanthinol nicotinate and of a hyperosmolar solution on the motility of the colon] Willmen HR, et al. **Int J Clin Pharmacol Biopharm** 13(2):133–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Drug therapy of hyperlipemia. Experiences with xanthinol nicotinate retard-capsules in a general practice] Klimm HD. **Med Monatsschr** 30(4):178–80, Apr 76 **(Ger)**

[Learning and concentration abilities of elderly patients with the depressive syndrome in cerebrovascular circulation disorders] Haupt R, et al. **Nervenarzt** 47(4):269–71, Apr 76 **(Ger)**

[Drug therapy of minimal brain dysfunction syndrome (clinical study using Captagon)] Mangold B. **Prax Kinderpsychol Kinderpsychiatr** 24(5):185–90, Jul 75 (Eng. Abstr.) **(Ger)**

[Results of a long-term study on the therapeutic effectiveness of xanthinol nicotinate in chronic hepatopathies] Dohrmann RE, et al. **Z Allgemeinmed** (26):1167–72, 20 Sep 75 **(Ger)**

[Lipids in pregnant patients with severe course of gestosis treated with xanthinol nicotinate and bufenin hydrochloride] Kuć A, et al. **Ginekol Pol** 47(4):379–82, Apr 76 (Eng. Abstr.) **(Pol)**

[Assessment of the action of Sadamine Polfa and Mydocalm Richter preparations as based on photoplethysmography] Chwistecki K, et al. **Pol Tyg Lek** 30(50):2093–6, 15 Dec 75 (Eng. Abstr.) **(Pol)**

[Hepatic clearance of endogenous bilirubin following Sadamine(xanthinol niacinate) loading in brucellosis-induced hepatocellular damage and in chronic hepatitis] Juszczyk J, et al. **Pol Tyg Lek** 30(31–32):1303–5, 4–11 Aug 75 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of complamin action on cerebral vessels] Eninia GI, et al. **Klin Med (Mosk)** 53(8):138–40, Aug 75 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of complamine in atherosclerosis and ischemic heart disease] Kalmykova VI, et al. **Sov Med** (1):113–8, Jan 76 (Eng. Abstr.) **(Rus)**

[Use of complamin in some dermatoses] Verbenko EV, et al. **Vestn Dermatol Venerol** (8):77–80, Aug 75 **(Rus)**

[Changes in the parameter of asymmetry of EEG wave fronts in patients with cerebral circulatory disorders treated with instenon] Lebedeva NV, et al. **Zh Nevropatol Psikhiatr** 75(11):1619–24, 1975 (Eng. Abstr.) **(Rus)**

[Long-term hypolipemic therapy in arteriosclerosis obliterans] Lasso M, et al. **Rev Clin Esp** 140(4):371–6, 29 Feb 76 (Eng. Abstr.) **(Spa)**

[Synthesis of 7-(beta-hydroxyalkyl)-8-hydrazinotheophylline derivatives] Povstianoĭ MV, et al. **Farm Zh** (1):43–7, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Determination of theophylline in biological material by means of electron capture gas chromatography. Arbin A, et al. **Acta Pharm Suec** 12(2):119–26, 1975

Gas-chromatographic micro-scale procedure for theophylline, with use of a nitrogen-sensitive detector. Least CJ Jr, et al. **Clin Chem** 22(6):765–8, Jun 76

Interference by butyl rubber stoppers in GLC analysis for theophylline. Chrzanowski F, et al. **J Pharm Sci** 65(5):735–6, May 76

Analytical studies on crystals of theophylline obtained at various conditions. Kaliszan R. **Pharm Acta Helv**

51(6):159–60, 1976

Theophylline radioimmunoassay: synthesis of antigen and characterization of antiserum. Cook CE, et al. **Res Commun Chem Pathol Pharmacol** 13(3):497–505, Mar 76

[Separation of caffeine, theophylline and theobromine with assistance from high pressure liquid chromatography] Wildanger W. **J Chromatogr** 114(2):480–2, 26 Nov 75 **(Ger)**

BLOOD

Determination of proxyphylline and dyphylline in capillary blood samples by means of electron capture gas chromatography. Arbin A, et al. **Acta Pharm Suec** 13(3):235–40, 1976

Determination of theophylline in plasma ultrafiltrate by reversed phase high pressure liquid chromatography. Franconi LC, et al. **Anal Chem** 48(2):372–5, Feb 76

Serum theophylline analysis by high-pressure liquid chromatography. Evenson MA, et al. **Clin Chem** 22(6):851–5, Jun 76

Ultraviolet spectrophotometry of theophylline in plasma in the presence of barbiturates. Jatlow P. **Clin Chem** 21(10):1518–20, Sep 75

Gas-chromatographic quantitation of theophylline in small volumes of plasma. Perrier D, et al. **Clin Chem** 22(6):898–900, Jun 76

Plasma theophylline concentrations measured by high-pressure liquid chromatography. Sitar DS, et al. **Clin Chem** 21(12):1774–6, Nov 75

A modified ultraviolet spectrophotometric method for the determination of theophylline in serum in the presence of barbiturates. Vasiliades J, et al. **Clin Chim Acta** 69(3):491–5, 15 Jun 76

A rapid and precise method for determining theophylline in serum. Frings CS, et al. **Clin Toxicol** 8(5):553–61, 1975

Improved theophylline serum analysis by an appropriate internal standard for gas chromatography. Bailey DG, et al. **J Chromatogr** 121(2):263–8, 23 JUN 76

Rapid gas chromatographic determination of underivatized theophylline in whole blood. Sheehan M, et al. **J Chromatogr** 117(2):392–8, 18 Feb 76

Specific thin-layer chromatographic method for the determination of theophylline in plasma in the presence of some other drugs. Wesley-Hadzija B, et al. **J Chromatogr** 115(2):501–5, 24 Dec 75

Blood levels from a sustained-release dosage form. Dobrinska MR, et al. **J Pharm Sci** 64(10):1728–29, Oct 75

Rapid determination of theophylline in human plasma by high-pressure liquid chromatography. Weddle OH, et al. **J Pharm Sci** 65(6):865–8, Jun 76

Intravenous aminophylline dosage. Use of serum theophylline measurement for guidance. Weinberger MW, et al. **JAMA** 235(19):2110–3, 10 May 76

Pharmacokinetic aspects of theophylline in premature newborns. Aranda JV, et al. **N Engl J Med** 295(8):413–6, 19 Aug 76

METABOLISM

Proceedings: The clinical pharmacology of theophylline and its pharmacokinetics in pulmonary edema and cirrhosis. Rangno RE, et al. **Arzneim Forsch** 26(6):1268–9, 1976

Dynamic permeation. Note II - Evaluation of the interaction of pectin with some pharmaceuticals. Bottari F, et al. **Boll Chim Farm** 115(2):113–22, Feb 76

Evidence for an adenosine receptor on the surface of dog coronary myocytes. Olsson RA, et al. **Circ Res** 39(1):93–8, Jul 76

Effect of smoking on theophylline disposition. Hunt SN, et al. **Clin Pharmacol Ther** 19(5 Pt 1):546–51, May 76

Relationship of urinary metabolites of theophylline to serum theophylline levels. Jenne JW, et al. **Clin Pharmacol Ther** 19(3):375–81, Mar 76

Influence of formulation on bioavailability of theophylline. Welling PG, et al. **J Clin Pharmacol** 16(1):43–50, Jan 76

Pharmacokinetic analysis of the disposition of intravenous theophylline in young children. Loughnan PM, et al. **J Pediatr** 88(5):874–9, May 76

Theophylline metabolism by the rat liver microsomal system. Lohmann SM, et al. **J Pharmacol Exp Ther** 196(1):213–25, Jan 76

Interactions between nutritional factors and drug biotransformations in man. Alvares AP, et al. **Proc Natl Acad Sci USA** 73(7):2501–4, Jul 76

The human metabolism of caffeine to theophylline. Sved S, et al. **Res Commun Chem Pathol Pharmacol** 13(2):185–92, Feb 76

PHARMACODYNAMICS

Acute redistribution of thyroxine after the administration of univalent anions, salicylate, theophylline and barbiturates in rats. Langer P, et al. **Acta Endocrinol (Kbh)** 81(3):516–24, Mar 76

Differential inhibition of phosphodiesterase according to the organ origin of the enzyme. Uzunov P, et al. **Acta Neurobiol Exp (Warsz)** 35(2):159–64, 1975

Effect of beta-adrenoceptor stimulators, papaverine and theophylline on guinea-pig trachea contracted by different drugs. Olsson OA, et al. **Acta Pharmacol Toxicol (Kbh)** 38(3):281–3, Mar 76

Effects of fasting and theophylline on alanine-stimulated glucagon secretion in neonatal and infant sheep. Fiser RH Jr, et al. **Am J Obstet Gynecol** 124(4):421–4, 15 Feb 76

Effects of theophylline on Na and alanine transport across isolated rabbit ileum. Fromm D, et al. **Am J Physiol** 229(3):683–8, Sep 75

Effects of melanocyte stimulating hormone and theophylline on human melanocytes in vitro. Kitano Y. **Arch Dermatol Res** 255(2):163–8, 21 Apr 76

Influence of bile flow, theophylline and some organic anions on the biliary excretion of 3H-ouabain in rats. Erttmann RR, et al. **Arch Int Pharmacodyn Ther** 218(2):290–8, Dec 75

Actions and interactions of theophylline and imidazole on cardiac contractility, phosphorylase activation and cyclic AMP. Verma SC, et al. **Arch Int Pharmacodyn Ther** 221(1):4–8, May 76

Comparative studies on sporulation-promotive actions on cyclic AMP, theophylline and caffeine in Saccharomyces cerevisiae. Tsuboi M, et al. **Arch Microbiol** 105(2):83–6, 27 Oct 75

The influence of substances changing the intracellular concentration of cyclic adenosine 3'5'-monophosphate on interferon synthesis in chick embryo cell culture. Reizin FN, et al. **Arch Virol** 49(4):307–15, 1975

Actions of various methylxanthines and papaverine on the synthesis of corticosterone in vitro. Vapaatalo H, et al. **Arzneim Forsch** 25(8):1265–9, Aug 75

Proceedings: Effects of adenosine and theophylline upon cerebral resistance to flow. Wahl M, et al. **Arzneim Forsch** 25(10):1678–9, Oct 75

Effects of theophylline on the activation and nuclear translocation of the hepatic glucocorticoid receptor at low temperature. Cake MH, et al. **Biochem Biophys Res Commun** 66(2):828–35, 16 Sep 75

Antagonism of botulinum toxin by theophylline. Howard BD, et al. **Biochem Biophys Res Commun** 71(1):413–5, 12 Jul 76

Calcium uptake by subcellular fractions of pancreatic islets. Effects of nucleotides and theophylline. Sehilin J. **Biochem J** 156(1):63–9, 15 Apr 76

D-galactose accumulation in rabbit ileum. Effects of theophylline on serosal permeability. Holman GD, et al. **Biochim Biophys Acta** 406(3):386–401, 17 Oct 75

Long-term regulation by theophylline of fatty acid synthetase, acetyl-CoA carboxylase and lipid synthesis in cultured glial cells. Volpe JJ, et al. **Biochim Biophys Acta** 431(2):195–205, 27 May 76

Theophylline induced variations in cyclic AMP content of the superovulated preimplantation mouse embryo. Fisher DL, et al. **Biol Reprod** 12(4):471–6, May 75

The effect of metoclopramide on inhibition induced by purine nucleotides, noradrenaline, and theophylline ethylenediamine on intestinal muscle and on peristalsis in vitro. Okwuasaba FK, et al. **Can J Physiol Pharmacol** 53(5):972–7, Oct 75

Variability of the effects of serum-free medium, dibutyryl-cyclic AMP or theophylline on the morphology of cultured new-born rat astroblasts. Moonen G, et al. **Cell Tissue Res** 163(3):365–72, 12 Nov 75

Lipoprotein lipase and hormone-sensitive lipase activities in human subcutaneous lipomas: comparison with normal subcutaneous adipose tissue. Giudicelli Y, et al. **Clin Sci Mol Med** 50(4):315–8, Apr 76

Effects of Na+ depletion, theophylline and 2,4-dinitrophenol on neutral amino acid influx and cyclic adenosine 3':5'-monophosphate levels in chicken small intestine. Burrill PH, et al. **Comp Biochem Physiol [C]** 53(2):95–9, 1976

Acceleration of amphibian embryonic melanophore development by melanophore-stimulating hormone, N6,O2-dibutyryl adenosine 3',5'-monophosphate and theophylline. Wahn HL, et al. **Dev Biol** 49(2):470–8, Apr 76

The effect of intravenous theophylline ethylenediamine on serum gastrin concentration in control subjects and patients with duodenal ulcers and Zollinger-Ellison syndrome. Feurle G, et al. **Digestion** 14(3):227–31, 1976

Somatostatin inhibition of glucose-, tolbutamide-, theophylline, cytochalasin B-, and calcium-stimulated insulin release in monolayer cultures of rat endocrine pancreas. Fujimoto WY. **Endocrinology** 97(6):1494–500, Dec 75

The stimulatory and inhibitory function of theophylline on amino acid-induced insulin release: studies with the perfused rat pancreas. Landgraf-Leurs MM, et al. **Endocrinology** 97(6):1416–23, Dec 75

Calcium antagonists and islet function. II. Interaction of theophylline and verapamil. Somers G, et al. **Endocrinology** 99(1):114–24, Jul 76

Effect of theophylline on monoamine metabolism in the rat brain. Karasawa T, et al. **Eur J Pharmacol** 37(1):97–104, May 76

The reversal of glucose repressed prodigiosin production in Serratia marcescens by the cyclic 3'5'-adenosine monophosphate inhibitor theophylline. Clements-Jewery S. **Experientia** 32(4):421–2, 15 Apr 76

Effect of cyclic AMP and theophylline on phagocytotic activity of Tetrahymena pyriformis. Csaba G, et al. **Experientia** 32(3):321–2, 15 Mar 76

Caffeine, theophylline, and human sperm motility. Dougherty KA, et al. **Fertil Steril** 27(5):541–8, May 76

Letter: Caffeine, theophylline and human sperm motility. Schoenfeld C, et al. **Fertil Steril** 27(7):875, Jul 76

Early stimulation of human chorionic gonadotropin secretion by dibutyryl cyclic AMP and theophylline in human malignant trophoblast cells in vitro: inhibition by actinomycin D, alpha-amanitin, and cordycepin. Pattillo RA, et al. **Gynecol Invest** 6(6):365–77, 1975

Effects of dbcAMP and theophylline on rat adrenal medulla grown in tissue culture. Unsicker K, et al. **Histochemistry** 46(3):197–201, 26 Feb 76

Effects of 2-deoxy-D-glucose, oligomycin and theophylline on in vitro glycerol metabolism in rat adipose tissue: response to insulin and epinephrine. Domínquez MC, et al. **Horm Metab Res** 8(1):33–7, Jan 76

Potentiation by theophylline of arginine-induced glucagon secretion in the isolated perfused rat pancreas. Goto Y, et al. **Horm Metab Res** 8(3):240–1, May 76

Theophylline stimulation of gluconeogenesis from alanine in normal and sympathectomized rats. Saccà L, et al. **Horm Metab Res** 8(1):38–41, Jan 76

Circadian chronotypic induction of tyrosine aminotransferase and depletion of glycogen by theophylline in the rat. Ehret CF, et al. **Int J Chronobiol** 2(4):321–6, 1974

Stimulation of melanotic expression in a melanoma cell line by theophylline. Steinberg ML, et al. **J Cell Physiol** 87(3):265–75, Mar 76

Modification of myometrial activity in vivo by administration of cyclic nucleotides and theophylline to the pregnant rat. Buckle JW, et al. **J Endocrinol** 66(3):339–47, Sep 75

Actions of external hypertonic urea, ADH, and theophylline on transcellular and extracellular solute permeabilities in frog skin. Mandel LJ. **J Gen Physiol** 65(5):599–615, May 75

Studies on myoinositol. Effects of caffeine and theophylline on incorporation of myoinositol into phosphatidylinositol in rat liver homogenate. Nishigaki I, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(4):271–5, 1975

Effect of ethanol on the water permeability and short-circuit current of the urinary bladder of the toad and the response to vasopressin, adenosine-3',5'-monophosphate and theophylline. Meier KE, et al. **J Pharmacol Exp Ther** 196(1):231–7, Jan 76

Inhibition of acetylcholine release from cholinergic nerves by adenosine, adenine nucleotides and morphine: antagonism by theophylline. Sawynok J, et al. **J Pharmacol Exp Ther** 197(2):379–90, May 76

An analysis of the subsynaptic site of action of theophylline on isolated cat tenuissimus muscle. Shinnick-Gallagher P, et al. **J Pharmacol Exp Ther** 197(3):647–52, Jun 76

Proceedings: Stimulation of acid secretion in the isolated guinea-pig stomach with theophylline and a calcium ionophore. Canfield SP, et al. **J Physiol (Lond)** 256(1):49P–50P, Mar 76

Proceedings: Reversal of theophylline-stimulated NaCl secretion in rabbit ileum by triaminopyrimidine. Naftalin RJ, et al. **J Physiol (Lond)** 258(1):27P–28P, Jun 76

Inhibition by theophylline of phagocytosis in Acanthamoeba castellanii. Lewis MB, et al. **J Protozool** 23(2):337–40, May 76

Enhancement of apomorphine-induced inhibition of vocalisation afterdischarge response by theophylline. Paalzow G, et al. **Life Sci** 17(7):1145–51, 10 Oct 75

Inhibitory effect of dibutyryl cyclic AMP and theophylline on the aggregation of human brest tumour cell line BT-20. Tchao R, et al. **Nature** 259(5540):220–2, 22 Jan 76

Effect of theophylline on calcium exchangeability in ventricular myocardium. Bellemann P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):29–33, 14 Jan 76

Methylxanthines and intestinal drug absorption. Beubler E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):73–7, 14 Jan 76

Possible role of cyclic AMP in the relaxation process of mammalian heart: effects of dibutyryl cyclic AMP and theophylline on potassium contractures in cat papillary muscles. Meinertz T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(2):129–37, May 76

Renal effects of adenosine and their inhibition by theophylline in dogs. Osswald H. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):79–86, 6 May 75

Coronary responses to dilating substances and competitive inhibition by theophylline in the isolated perfused guinea pig heart. Bünger R, et al. **Pfluegers Arch** 358(3):213–24, 28 Jul 75

The dilatatory action of adenosine on pial arteries of cats and its inhibition by theophylline. Wahl M, et al. **Pfluegers Arch** 362(1):55–9, 11 Mar 76

Changes of brain serotonin and muricide behavior following chronic administration of theophylline in rats. Sakata T, et al. **Physiol Behav** 15(5):449–53, Oct 75

Characteristics common to choleretic increments of bile induced by theophylline, glucagon and SQ-20009 in the dog. Barnhart JL, et al. **Proc Soc Exp Biol Med** 150(3):591–6, Dec 75

Different lipolytic effects of theophylline and dibutyryl cyclic AMP in vivo and in vitro. Baum D, et al. **Proc Soc Exp Biol Med** 151(2):244–8, Feb 76

Control of cell division in the cornea of rats. III. Mitogenic effect of isoproterenol and theophylline. King CD, et al. **Proc Soc Exp Biol Med** 149(4):840–4, Sep 75

Adenosine, AMP, cyclic AMP, theophylline and the action and production of erythropoietin. Schooley JC, et al. **Proc Soc Exp Biol Med** 150(1):215–9, Oct 75

Heart triglyceride and glycogen metabolism: effects of catecholamines, dibutyryl cyclic AMP, theophylline, and fatty acids. Crass MF 3rd.

Recent Adv Stud Cardiac Struct Metab 3:275–90, 1973

Effect of cycloserine stereoisomers and theophylline on the release of tritium from 2-tritio-L-alanine. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 14(3):591–4, Jul 76

Proceedings: The effect on benzcyclan and theophyllin on the ADP induced platelet aggregation in vitro and vivo. Losonczy H, et al. **Thromb Diath Haemorrh** 34(1):336, 30 Sep 75

Effects of epinephrine and theophylline on lipolytic response in hereditary diabetic mice. Hayashi S, et al. **Tohoku J Exp Med** 119(1):91–100, May 76

Effect of methylxanthines on hepatic microsomal enzymes in the rat. Aeschbacher HU, et al. **Toxicol Appl Pharmacol** 33(3):575–81, Sep 75

The effect of agents which modulate levels of the cyclic nucleotides on human lymphotoxin secretion and activity in vitro. Prieur AM, et al. **Transplantation** 20(4):331–7, Oct 75

[Mechanism of the appearance of nuclear inclusions with microfilaments and microtubules in sympathetic neurons. Influence of dibutyryl-adenosine 3'-5' monophosphate and theophylline] Leonetti J, et al. **Bull Assoc Anat (Nancy)** 59(166):651–6, Sep 75 (Eng. Abstr.) **(Fre)**

[Effects of theophylline on chemically induced liver tumorogenesis and on bladder membranes in rats] Castagna M, et al. **C R Acad Sci [D] (Paris)** 280(23):2713–6, 16 Jun 75 (Eng. Abstr.) **(Fre)**

[Influence of dibutyryl cyclic AMP and theophylline on the frequency of nuclear microtubules and microfilaments of sympathetic neurons] Leonetti J, et al. **C R Acad Sci [D] (Paris)** 281(5–8):423–6, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Potentiation by theophylline of the anti-inflammatory effects of prednisone] Bourillet F, et al. **Therapie** 30(5):753–66, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[The influence of haloperidol on the blood pressure lowering effect of theophylline in the dog (author's transl) Chibanguza G. **Arzneim Forsch** 26(1):50–1, 1976 (Eng. Abstr.) **(Ger)**

[The continual measurement of the oxygen partial pressure during the medication with Noleptan and oxyethyltheophylline] Schwickardi D. **Munch Med Wochenschr** 118(3):79–80, 16 Jan 76 **(Ger)**

[The influence of propranolol, practolol and theophylline on the plasma renin activity (author's transl)] Zehner J, et al. **Res Exp Med (Berl)** 166(3):275–82, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of Akrinor on cardiovascular-dynamics before and after blockade of adrenergic beta-receptors by propranolol] Sternitzke N, et al. **Z Kardiol** 64(5):419–30, May 75 (Eng. Abstr.) **(Ger)**

[Effects of ADH, cyclic AMP and theophylline on the permeability of the bladder to urea in Rana esculenta] Micelli S, et al. **Boll Soc Ital Biol Sper** 52(7–8):541–4, 30 Apr 76 **(Ita)**

[Level of nicotinamide coenzymes in the myocardium of rats during the effects of methylxanthines (theophylline, theobromine, caffeine) and catecholamines] Frantsuzova SB. **Biull Eksp Biol Med** 79(4):68–71, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect on drugs changing the intracellular level of adenosine 3',5'-cyclic monophosphate on interferon formation in chick embryo cells of different ages] Reizin FN, et al. **Biull Eksp Biol Med** 79(6):49–2, Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of etimizol, caffeine and theophylline on some carbohydrate metabolic indices of the rat brain and myocardium] Moreva EV, et al. **Farmakol Toksikol** 38(6):693–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

SECRETION

Theophylline secretion into breast milk. Yurchak AM, et al. **Pediatrics** 57(4):518–20, Apr 76

THERAPEUTIC USE

Experimental study of the effect of lithium, haloperidol, caffeine and theophylline on convulsive seizure reactions. Roussinov KS, et al. **Acta Physiol Pharmacol Bulg** 2:67–75, 1974

Pharmacologic modification of induced asthma. Falliers CJ, et al. **Ann Allergy** 36(2):99–103, Feb 76

Letter: Theophylline. **Ann Intern Med** 83(4):579–80, Oct 75

Therapeutic effectiveness of cromolyn sodium with 38 severely asthmatic children under five years of age. Marks MB. **Clin Pediatr (Phila)** 15(2):169–72, FEB 76

An evaluation of theophylline/ephedrine with and without hydroxyzine in asthma. Chodosh S, et al. **Curr Ther Res** 18(6):773–84, Dec 75

Theophylline and ephedrine in asthma. Lyons HA, et al. **Curr Ther Res** 18(4):573–7, Oct 75

Therapeutic efficacy of a new anhydrous theophylline dosage form. Miller J, et al. **J Clin Pharmacol** 16(7):371–5, Jul 76

Exercise-induced asthma. Pharmacological assessment of single drugs and drug combinations. Bierman CW, et al. **JAMA** 234(3):295–8, 20 Oct 75

The pharmacological assessment of single drugs and drug combinations in exercise-induced asthma. Bierman CW, et al. **Pediatrics** 56(5 pt-2 suppl):919–22, Nov 75

Suppression of exercise-induced asthma by salbutamol, theophylline, atropine, cromolyn, and placebo in a group of asthmatic children. Godfrey S, et al. **Pediatrics** 56(5 pt-2 suppl):930–4, Nov 75

Letter: Questions on theophylline. Rosenfeld CR. **Pediatrics** 58(3):463–4, Sep 76

[Treatment of chronic cor pulmonale. Experimental studies—experience from practice] Günthner W, et al. **Med Welt** 27(28):1387–8, 9 Jul 76 **(Ger)**

[Changes in the peripheral circulation pharmacologically induced with a combination based on isosorbide dinitrate and prenylamine-theophylline acetate] Morgagni W, et al. **G Clin Med** 55(12):865–79, Dec 74 (Eng. Abstr.) **(Ita)**

[Use of euphyllin and adrenaline electrophoresis in the sanatorium-health resort treatment of hypothalamic syndromes] Kornienko EG, et al. **Zh Nevropatol Psikhiatr** 75(9):1328–33, 1975 (Eng. Abstr.) **(Rus)**

URINE

Renal clearance of theophylline in man. Levy G, et al. **J Clin Pharmacol** 16(7):329–32, Jul 76

THERAPEUTIC COMMUNITY

Proceedings: The therapeutic community revisited. Freudenberger HJ. **Am J Drug Alcohol Abuse** 3(1):33–49, 1976

Splitting: attrition from a drug-free therapeutic community. Glaser FB. **Am J Drug Alcohol Abuse** 1(3):329–48, 1974

Proceedings: Rehabilitation or bust: the impact of criminal justice system referrals on the treatment of drug addicts and alcoholics in a therapeutic community (Eagleville's experience). Rinella VJ. **Am J Drug Alcohol Abuse** 3(1):53–8, 1976

Severe personality disorders in an institutional setting. Abruzzi W. **Am J Psychoanal** 35(3):269–77, Fall 75

Length of hospitalization on a short-term therapeutic community. A multivariate study by sex across time. Doherty EG. **Arch Gen Psychiatry** 33(1):87–92, Jan 76

Psychiatric patients as seen by self and others: an exploration of change in a therapeutic community setting. Kennard D, et al. **Br J Med Psychol** 49(1):35–53, Mar 76

Discharge from a therapeutic community. Krausova L, et al. **Br J Med Psychol** 49(2):199–204, Jun 76

Letter: Patients or criminals? Cox M. **Br Med J** 4(5991):287, 1 Nov 75

Patients referred to extended inpatient treatment or outpatient therapy from a private short-term therapeutic community. Doherty EG. **Community Ment Health J** 11(3):335–40, Fall 75

Adolescent drug abuse: search for a treatment model. Amini F, et al. **Compr Psychiatry** 16(4):379–89, Jul-Aug 75

A group program for adaptation to a convalescent hospital. Remnet VL. **Gerontologist** 14(4):336–41, Aug 74

Buying humanization: dealing with the problem of institutionalization. Schwartz DB. **Hosp Community Psychiatry** 26(12):833–4, Dec 75

Origins of a Jungian-oriented therapeutic community for schizophrenic patients. Wilmer HA. **Hosp Community Psychiatry** 27(5):338–42, May 76

Proceedings of Puerto Rican conferences on human services. Meeting the mental health needs of the law offender. pp. 133–41. Robles IN. **In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish-Speaking Mental Health Organizations, 1975. WM 30 P96 1974.**

Graduates and splitees from therapeutic community drug treatment programs: a comparison. Aron WS, et al. **Int J Addict** 11(1):1–18, 1976

A therapeutic community's experience with a urine surveillance system for addiction. Carroll JF, et al. **Int J Addict** 10(4):675–91, 1975

Attitudes regarding drug abuse among a group of ex-addict staff members. Hart L. **Int J Addict** 11(1):35–9, 1976

Outcome studies of therapeutic community and halfway house treatment for addicts. Smart RG. **Int J Addict** 11(1):143–59, 1976 (21 ref.)

The multiple recurrent family model in the therapeutic community. Lowental U. **Int J Soc Psychiatry** 22(1):19–24, Spring 76

MMPI patterns in drug abusers before and after treatment in therapeutic communities. Zuckerman M, et al. **J Consult Clin Psychol** 43(3):286–96, Jun 75

Never too old to climb. Heaney MW, et al. **J Psychiatr Nurs** 13(6):37–41, Nov-Dec 75

The therapeutic community and the nurse: a blurring of traditional roles. Robertson PA. **J Psychiatr Nurs** 14(4):29–31, Apr 76

Morris village. Prototype for treatment of drug and alcohol addiction. **J SC Med Assoc** 71(12):381–2, Dec 75

Is hospital democracy possible? Problems in the therapeutic community as it reflects the community-at-large. Klein H, et al. **Ment Health Soc** 1(1):34–38, 1974

Interaction analysis of change in social performance and personality functioning in a therapeutic community introduction. Manor O. **Ment Health Soc** 2(1–2):109–14, 1975

Schizophrenia. Treatment in therapeutic community. Jeffrey WD, et al. **NY State J Med** 76(3):384–90, Mar 76

Mutual withdrawal: the non-participant in a therapeutic community. Hall BA. **Perspect Psychiatr Care** 14(2):75–7, 93, Apr-Jun 76

[Therapeutic community in children's psychiatry (author's transl)] Borzová E, et al. **Cesk Psychiatr** 71(5):300–2, Oct 75 (Eng. Abstr.) **(Cze)**

[Group talks—a form of self-regulating group in the psychotherapeutic system (author's transl)] Bouchal M, et al. **Cesk Psychiatr** 72(1):32–50, Feb 76 (Eng. Abstr.) **(Cze)**

[10 years experiences at a therapeutic community] Baastrup PC. **Ugeskr Laeger** 137(46):2731–7, 10 Nov 75 **(Dan)**

[Orientation group as a part of the therapeutic community] Isohanni M. **Duodecim** 91(11):708–13, 1975 (Eng. Abstr.) **(Fin)**

[Community group practice in a psychiatric hospital] Isohanni M. **Duodecim** 92(3):117–26, 1976 (Eng. Abstr.) **(Fin)**

[Complex-therapy of neuroses in the system of the therapeutic community in the day clinic of the psychiatric clinic, Brno] pp 105–9. Boucek J. **In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.** **(Ger)**

[Complex-therapy of neuroses in the system of the therapeutic community in the day clinic of the psychiatric clinic, Brno] pp. 105–9. Boucek J. **In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.** **(Ger)**

[Autogenic training and hypnosis in the therapeutic community] pp 111–6. Bouchal M, et al. **In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.** **(Ger)**

[System of the therapeutic community for neurotic patients in the socialist health care system] pp 93–7. Kratochvíl S. **In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.** **(Ger)**

[Point system and the therapeutic community] pp 117–24. Skála J. **In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.** **(Ger)**

[Organization, administration and security aspects of a sociotherapeutic institution] Brinkman P. **Psyche (Stuttg)** 30(7):585–8, Jul 76 **(Ger)**

[Suggestions for the development of sociotherapy in criminal punishment] DeBoor C. **Psyche (Stuttg)** 30(7):615–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Experiences in working with delinquents] Harders H. **Psyche (Stuttg)** 30(7):599–603, Jul 76 **(Ger)**

[Sociotherapy for delinquents. Possibilities and limits] Hustinx A. **Psyche (Stuttg)** 30(7):571–8, Jul 76 **(Ger)**

[Sociotherapeutic base therapy with delinquents] Warmerdam AA. **Psyche (Stuttg)** 30(7):589–98, Jul 76 **(Ger)**

[Brandenburg postulates on therapeutic community] Schirmer S, et al. **Psychiatr Neurol Med Psychol (Leipz)** 28(1):21–5, Jan 76 **(Ger)**

['No-lose' conflict and problem solving in the therapeutic community. Part 1. Methods practical application (author's transl)] Hauschild U. **Psychother Med Psychol (Stuttg)** 26(4):103–9, Jul 76 (Eng. Abstr.) **(Ger)**

['No-lose' conflict and problem solving in the therapeutic community. Part 2. theoretical and historical background. (author's transl)] Mann F. **Psychother Med Psychol (Stuttg)** 26(4):110–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Admission of the alcoholic into the therapeutic community] Lowental U, et al. **Harefuah** 89(7):316–20, 1 Oct 75 (Eng. Abstr.) **(Heb)**

[Toward the establishment of a therapeutic community—introduction of educational ideas into therapeutic system] Mifune M. **Psychiatr Neurol Jpn** 77(11):786–90, 25 Nov 75 **(Jpn)**

HISTORY

Some historical aspects of the drug-free therapeutic community. Glaser FB. **Am J Drug Alcohol Abuse** 1(1):37–52, 1974

THERAPEUTIC CULTS

see related
QUACKERY

Editorial: Chihuahuas and laetrile, chelation therapy, and honey from Boulder, Colo. Soffer A. **Arch Intern Med** 136(8):865–6, Aug 76

Letter: The transcendental meditation technic. Rubin PG. **J Am Dent Assoc** 91(4):720, Oct 75

Alternative medicine: therapeutic touch. Krieger D. **Nurs Times** 72(15):572–4, 15 Apr 76

Alternative medicine: radionics. Wilcox J. **Nurs Times** 72(15):568–70, 15 Apr 76

'Exotic' treatments and Western psychiatry. Leff J. **Psychol Med** 5(2):125–8, May 75

Heterodox practitioners and the availability of specialist advice. Hewitt D, et al. **Rheumatol Rehabil** 14(3):191–9, Aug 75

[Letter: Zone therapy] Jorgensen O. **Ugeskr Laeger** 138(11):663–4, 8 Mar 76 **(Dan)**

[Motivation of patients and unofficial healers] Aakster CW. **Ned Tijdschr Geneeskd** 119(42):1611–6, 18 Oct 75 **(Dut)**

[En route to a placebo culture] Birkenhäger WH. **Ned Tijdschr Geneeskd** 119(42):1601, 18 Oct 75 **(Dut)**

[The Manga ceremony as an example of group therapy in

a primitive tribe (Manga ritual ceremony of the Ngovayang village, South wilderness of Cameroon] Porta JM. **Actas Luso Esp Neurol Psiquiatr** 3(3):195–9, May–Jun 75 **(Spa)**

[The use of hallucinogens in folkloric psychiatry] Chiappe Costa M. **Bol Of Sanit Panam** 81(2):176–86, Aug 76 (Eng. Abstr.) **(Spa)**

[Hundred thousands of Sweden refuse visit to hospital] Gernandt A, et al. **Lakartidningen** 72(40):3772–3, 1 Oct 75 **(Swe)**

HISTORY

[Imposition of the hand as impetratrio boni] Kolta KS. **Sudhoffs Arch** 59(1):69–79, 1975 **(Ger)**

THERAPEUTIC EQUIVALENCY

Letter: Antisubstitution vs. cooperative substitution. Jones ME, et al. **Am Fam Physician** 14(1):27, Jul 76

Importance of biopharmaceutics and pharmacokinetics in clinical medicine. Cabana BE. **Arzneim Forsch** 26(1A):151–8, 1976

Letter: Bioavailability—a problem in equivalence. Hagans JA. **Biometrics** 31(2):585, Jun 75

Drug substitution—boon to consumers versus legal trap for the professional. Brennan BJ. **J Leg Med** 4(3):20–5, Mar 76

Letter: Request for brand names. Pierce JC Jr. **N Engl J Med** 294(16):908, 15 Apr 76

Society testifies on bioavailability, bioequivalence. Hayes AH. **Pa Med** 78(9):59–60, Sep 75

Generic prescribing. **Pediatrics** 57(2):275–7, Feb 76

[Prescription by common name (generic name): rational or economical?] Biron P. **Union Med Can** 105(5):777–9, May 76 (Eng. Abstr.) **(Fre)**

[Therapeutic equivalence and inequivalence of chemically identical substances using cardiac glycosides for an example (author's transpl)] Rietbrock N. **Arzneim Forsch** 26(1A):135–46, 1976 (Eng. Abstr.) **(Ger)**

THERAPEUTICS

Analysis of data from multiclinic experiments. Chakravorti SR, et al. **Biometrics** 31(2):325–38, Jun 75

Problems of childhood. Consultation, diagnosis, and management. Meadow R. **Br Med J** 1(6004):266–7, 31 Jan 76

Development of a formal structure for clinical management decisions: a mathematical analysis. Card WI. **Ciba Found Symp** (34):291–307, 1975

Editorial: The restoration of the parents as the keystone of the therapeutic arch. Mac Keith R. **Dev Med Child Neurol** 18(3):285–6, Jun 76

Letter: Choosing therapies. **Hastings Cent Rep** 5(4):4, 15, Aug 75

Medical protocols: status and direction. pp. 37–45. Pass T.

In: Alberti PW, Bryce DP, ed. Workshops from the centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. W 84 AA1 S6c 1975.

Unproven remedies: lessons for improving techniques of evaluating therapeutic efficacy. pp. 385–401. Freireich EJ.

In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.

Trend prediction and automated therapy in patient intensive care. pp. 213–4. Blom JA.

In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.

Branching experiments: a generalized application of the life–table method. pp. 69–74. Mantel N.

In: Ludwig D, Cooke KL, ed. Proceedings of SIMS Conference on Epidemiology. Philadelphia, Society for Industrial and Applied Mathematics, 1975. WA 100 S614p 1974.

Letter: More on dentistry and healing. **J Am Dent Assoc** 93(2):219–20, Aug 76

Letter: Dentistry and healing. Davis KW. **J Am Dent Assoc** 93(1):26, Jul 76

The role of prognostic stratification in preventing the bias permitted by random allocation of treatment. Feinstein AR, et al. **J Chronic Dis** 29(4):277–84, Apr 76

Defining 'therapeutic communication'. Rossiter CM Jr. **J Commun** 25(3):127–30, Summer 75

Clinical decision analysis. The hazard of using additional data. Sisson JC, et al. **JAMA** 236(11):1259–63, 13 Sep 76

Judicial review of medical treatment. Beresford HR. **Leg Med Annu** :305–26, 1975

Randomized clinical trials. Perspectives on some recent ideas. Byar DP, et al. **N Engl J Med** 295(2):74–80, 8 Jul 76

Influence of training and experience on selecting criteria to evaluate medical care. Wagner EH, et al. **N Engl J Med** 294(16):871–6, 15 Apr 76

Best Buy hospital–2. Use of the central treatment room. Turner TN. **Nurs Times** 71(36):1414–6, 4 Sep 75

[Clinical therapeutic trials] Mathé G. **Bull Cancer (Paris)** 61(2):191–212, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[Problems posed by cessation of controlled therapeutic trials before agreed duration] Sancho H, et al. **Bull Cancer (Paris)** 61(2):185–9, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[General theory of medical diagnosis and therapy] Gross R. **Geburtshilfe Frauenheilkd** 35(8):573–82, Aug 75 **(Ger)**

[Long–term therapy – meaning, supervision, adverse effects] Bock HE. **Med Welt** 26(14):632–8, 4 Apr 75 **(Ger)**

[Therapist in our society. I] Laberke JA. **Ther Ggw** 115(7):1228–42, Jul 76 **(Ger)**

[What should it be: a cure?] Halhuber M. **Z Allgemeinmed** 51(30):1378–31, 31 Oct 75 **(Ger)**

[The problem of method in clinical medicine] Giunchi G. **Med Secoli** 12(3):333–43, Sep–Dec 75 **(Ita)**

[Diagnosis. 4. Systems control theory. Therapy and systems control] Nagumo J. **Jpn J Clin Med** 34(4):846–51, 1976 **(Jpn)**

[Attempt at creating an informational card file on prepared drug agents for district physicians and therapists] Koz'minykh LG, et al. **Farmatsiia** 25(3):69–71, Mar–Jun 76 **(Rus)**

[In memory of Grigorii Nikolaevich Karapetian] Vlasiuk VV. **Klin Med (Mosk)** 53(9):143–4, Sep 75 **(Rus)**

ADVERSE EFFECTS

Negligible risks to health. Knox EG. **Community Health (Bristol)** 6(5):244–51, Mar–Apr 75

[Therapeutic injuries] Payk TR. **Ther Ggw** 113(10):1755–78, Oct 74 **(Ger)**

HISTORY

Iron leather–covered ball. Herman JR. **Urology** 6(3):343–G, Sep 75

[Carrel, a great precursor] Godlewski G. **Brux Med** 55(2):53–66, Feb 75 **(Fre)**

[Improvement in the organization of therapeutic aid in World War II] Komarov FI, et al. **Voen Med Zh** (4):38–42, Apr 75 **(Rus)**

[Study of the history of therapeutics in the Ukraine] Duplenko KF. **Vrach Delo** (1):146–9, Jan 74 **(Rus)**

STANDARDS

[Comparative evaluation of certain indices of the therapeutic and diagnostic work of treatment institutions] Volkov IA, et al. **Voen Med Zh** (1):13–6, Jan 76 **(Rus)**

THERAPEUTICS COMMITTEE see **PHARMACY AND THERAPEUTICS COMMITTEE**

THERMAL CONDUCTIVITY

Proceedings: rCBF measurements by means of heat clearance with an on–line computer. Apfel H. **Arzneim Forsch** 25(6):981–2, Jun 75

Proceedings: Determination of quantitative blood flow by means of heat clearance in normally and insufficiently supplied dog myocardium. Benzing H. **Arzneim Forsch** 25(6):982, Jun 75

Proceedings: Critical evaluation of continuous blood flow measurements with heat conductivity probes. Betz E. **Arzneim Forsch** 25(6):981, Jun 75

Proceedings: The influence of local perfusion symmetries on the heat transport in perfused biological tissue. Klinger HG, et al. **Arzneim Forsch** 25(6):982–3, Jun 75

Proceedings: Local heat clearance for measuring blood flow quantitatively. Müller–Schauenburg W. **Arzneim Forsch** 25(6):979–80, Jun 75

Proceedings: Computer analyse of cooling curves. Priebe L, et al. **Arzneim Forsch** 25(6):980, Jun 75

Thermal conductivity and heat transfer of the human skin. van den Berg JW. **Bibl Radiol** (6):166–77, 1975

Effect of red cells on heat–conduction in blood. Riha P. **Biorheology** 13(3):185–9, Jun 76

Public health implications of components of plastics manufacture. Flame retardants. Pearce EM, et al. **Environ Health Perspect** 11:59–69, Jun 75

Accurate measurement of skin blood flow by a thermal conductance method. Challoner AV. **Med Biol Eng** 13(2):196–201, Mar 75

[Properties of biomaterials. (3) Thermal properties] Togawa T. **Jpn J Med Electron** 13(6):370–4, Dec 75 **(Jpn)**

THERMAL WATER POLLUTION see **WATER POLLUTION, THERMAL**

THERMODYNAMICS

Experimental investigation of the bound dissipation function: change of the psi u–function during the growth of yeast. Schaarschmidt B, et al. **Arch Microbiol** 105(1):13–6, 30 Sep 75

Thermodynamic conpensation in microbial thermal death. Studies with yeasts. Van Uden N, et al. **Arch Microbiol** 108(3):293–8, Jul 76

Prediction of heat stress from heat transfer. Mitchell D. **Arch Sci Physiol (Paris)** 27(3):285–94, 1973

Hemothermodynamic description of osmotic transcapillary exchange. Perl W. **Bibl Anat** 13:47–50, 1975

Thermodynamic investigations of proteins. III. Thermodynamic description of lysozyme. Pfeil W, et al. **Biophys Chem** 4(1):41–50, Jan 76

Thermodynamic investigations of proteins. I. Standard functions for proteins with lysozyme as an example. Pfeil W, et al. **Biophys Chem** 4(1):23–32, Jan 76

Thermodynamic investigations of proteins. II. Calorimetric study of lysozyme denaturation by guanidine hydrochloride. Pfeil W, et al. **Biophys Chem** 4(1):33–40, Jan 76

Problems with entropy in biology. Smith CJ. **Biosystems** 7(2):259–65, Oct 75

Simulation, entropy flux and chemical potential. Thoma JU. **Biosystems** 8(1):1–9, Apr 76

Experimental measurement and theoretical calculations on muscle and liver tissue during cryosurgery. II. A theory on freezing of tissue. Eichler J, et al. **Cryobiology** 13(2):185–90, Apr 76

Life, nonequilibrium thermodynamics and autocorrelation function. Mager PP, et al. **Gegenbaurs Morphol Jahrb** 120(4):529–37, 1974

The distribution of heating potential inside lossy spheres. Kritikos HN, et al. **IEEE Trans Biomed Eng** 22(6):457–63, Nov 75

The role of surface thermodynamics in thromboresistance of biomaterials. Neumann AW, et al. **J Biomed Mater Res** 9(2):127–42, Mar 75

The Glansdorff–Prigogine thermodynamic stability criterion in the light of Lyapunov's theory. de Sobrino L. **J Theor Biol** 54(2):323–33, Oct 75

Non–equilibrium thermodynamics of temporally oscillating chemical reactions. Ishida K, et al. **J Theor Biol** 52(2):343–63, Aug 75

Cardiac output measurement by thermodilution: methodologic problems. Saadjian A, et al. **Med Prog Technol** 3(4):161–7, 30 Apr 76

Free energy levels and entropy production associated with biochemical kinetic diagrams. Hill TL, et al. **Proc Natl Acad Sci USA** 73(1):95–9, Jan 76

[Simulation of the dynamics of heat exchangers in an airconditioning system] Crommelin RD. **Gesund Ing** 97(4):86–8, Apr 76 **(Ger)**

[Thermodynamic aspects of phagocytosis and thrombosis (author's transl)] Neumann AW, et al. **Klin Wochenschr** 53(21):1021–7, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Principle of aspecificity and thermodynamic models of the interaction: drug – receptor] Fubini B, et al. **Boll Soc Ital Biol Sper** 51(23):1815–21, 15 Dec 75 **(Ita)**

[Network thermodynamics (author's transl)] Aono O. **Protein Nucleic Acid Enzyme (Tokyo)** 20(4):270–7, Mar 75 **(Jpn)**

[Acid–base properties and the thermodynamics of amphotericin B ionization in aqeous solutions] Etingova NI, et al. **Antibiotiki** 20(6):494–6, Jun 75 (Eng. Abstr.) **(Rus)**

THERMOGRAPHY

Thermography of the breast. A clinical study with special reference to breast cancer detection. Johansson NT. **Acta Chir Scand [Suppl]** (460):3–91, 1976

How good is thermography in breast cancer screening? Feig SA. **Am Fam Physician** 12(6):78–82, Dec 75

The significance of thermography in the diagnosis of acute abdominal disease. Peltokallio P, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):164–71, Sep 75

Use of liquid–crystal thermography to evaluate sympathetic blocks. Diaz PM. **Anesthesiology** 44(5):443–5, May 76

Thermography in diagnosis of breast diseases. Amalric R, et al. **Bibl Radiol** (6):65–76, 1975

Diagnosis, follow–up and prognosis of malignant melanomas by thermography. Bourjat P, et al. **Bibl Radiol** (6):115–27, 1975

The logic and perspective of thermography. Gautherie M. **Bibl Radiol** (6):255–62, 1975

Airborne thermography or infrared remote sensing. Goillot CC. **Bibl Radiol** (6):237–48, 1975

Prognosis and post–therapeutic follow–up of breast cancers by thermography. Gros C, et al. **Bibl Radiol** (6):77–90, 1975

Thermal patterns of the healthy female breast. Physical and physiological considerations. Jones CH. **Bibl Radiol** (6):57–64, 1975

Physical aspects of thermography in relation to clinical techniques. Jones CH. **Bibl Radiol** (6):1–8, 1975

Thermographic patterns of lower limb arterial disease. Lovisatti L, et al. **Bibl Radiol** (6):107–114, 1975

Thermography as the primary step in mass screening for breast cancer. Melander O. **Bibl Radiol** (6):91–6, 1975

Thermography and plant physiology. Pieters GA. **Bibl Radiol** (6):210–7, 1975

Thermography and rheumatic diseases. Ring EF. **Bibl Radiol** (6):97–106, 1975 (16 ref.)

Thermography in agricultural engineering. Schurer K. **Bibl Radiol** (6):249–54, 1975

Thermography and vasomotor test. Selig D, et al. **Bibl Radiol** (6):191–202, 1975

Thermographic changes following steroidal administration to patients with mammary cancer. Stoll BA. **Bibl Radiol** (6):178–84, 1975

Thermographical follow–up during treatment of chronic ulcerations with iontophoresis with xanthinol nicotinate. van der Kuy A, et al. **Bibl Radiol** (6):203–9, 1975

Thermography in breast carcinoma: results of a blind reading trial. Feasey CM, et al. **Br J Radiol** 48(574):791–5, Oct 75

The relationship between thermographic findings and size and depth of tumour in carcinoma of the breast. Johnson JM, et al. **Br J Surg** 63(8):576–8, Aug 76

Thermographic diagnosis of deep vein thrombosis. Bergqvist D, et al. **Br Med J** 4(5998):684–5, 20 Dec 75

Thermographical investigation of decubitus ulcers. Trandel RS, et al. **Bull Prosthet Res** (10–24):137–55, Fall 75

Use of the thermography for the early diagnosis of deep vein thrombosis following hip operations. Kalamchi A, et al. **Can J Surg** 19(4):343–7, Jul 76

Mammatherm: A weapon in the fight against breast cancer. Bacon M. **Can Nurse** 72(6):23–5, Jun 76

Breast thermography as a screening technique. An evaluation of performance data. Revesz G, et al. **Cancer** 36(6):2159–63, Dec 75 (21 ref.)

Thermographically measured normal skin temperature asymmetry in the human male. Silberstein EB, et al. **Cancer** 36(4):1506–10, Oct 75

Facial thermography in the diagnosis of cerebrovascular disease and in evaluation of carotid endarterectomy. Schulte BP, et al. **Clin Neurol Neurosurg** 78(2):118–30, 1975

The value of scrotal thermography as compared with selective retrograde venography of the internal spermatic vein for the diagnosis of 'subclinical' varicocele. Comhaire F, et al. **Fertil Steril** 27(6):694–8, Jun 76

The use of thermography in early detection of breast cancer. pp. 146–60. Davey JB.
In: Boström H, et al., ed. Health control in detection of cancer. Stockholm, Almqvist & Wiksell, 1976. W3 SK56 10th 1976.

Thermography on insensitive limbs. pp. 69–79. Bergtholdt HT.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography and athletic injuries. pp. 143–9. Bergtholdt HT.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography in orthopedics and in experimental stress. pp. 150–7. Brand PW.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography in Great Britain—deep vein thrombosis. pp. 107–20. Cooke ED.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Postoperative thermography in carotid occlusive disease. pp. 98–106. Correll JW, et al.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography in vascular headache. pp. 80–4. Friedman AP, et al.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Breast thermography—the mammatherm. pp. 172–83. Isard HJ.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

The use of thermography in a health care system for stroke. pp. 85–97. Karpman HL, et al.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Breast thermography. pp. 184–96. Parry CE.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

The basic physics of clinical thermography. pp. 15–28. Poole DO.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

The role of thermography in contact dermatitis. pp. 167–71. Raskin MM.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography in low back diseases. pp. 158–66. Raskin MM.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography in chronic pain. pp. 52–68. Uematsu S, et al.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Thermography in cardiovascular disease. pp. 121–42. Winsor T, et al.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Proceedings: Thermographic patterns in patients with gallbladder disease. Herskowitz L, et al.
J Am Osteopath Assoc 75(4):428–9, Dec 75

Current status of thermography in peripheral vascular disease. Spence VA, et al. **J Cardiovasc Surg (Torino)** 16(6):572–9, Nov–Dec 75

Thermographic exploration of the parotid region. Champy M, et al. **J Maxillofac Surg** 4(3):163–71, Sep 76

Thermography of the rat brain under massive increase in intracranial pressure. Kremer B, et al. **J Neurosurg Sci** 18(4):250–4, Oct–Dec 74

Letter: Radionuclide venography. Franco JA, et al.
J Nucl Med 16(5):438–9, May 75

Proceedings: The application of thermography to the detection of energy metabolism of the brain in the new-born infant. Cross KW, et al. **J Physiol (Lond)** 252(2):44P–45P, Nov 75

Editorial: The hot breast. **Lancet** 02(7987):669, 25 Sep 76

Unilateral exophthalmos investigated by infrared thermography. Bourjat P, et al. **Mod Probl Ophthalmol** 14:278–85, 1975

Lack of efficacy of thermography as a screening tool for minimal and stage I breast cancer. Moskowitz M, et al. **N Engl J Med** 295(5):249–52, 29 Jul 76

Skin temperature over an artificial heat source implanted in man. Nilsson SK. **Phys Med Biol** 20(3):366–83, May 75

The simulation of skin temperature distributions by means of a relaxation method. Vermey GF. **Phys Med Biol** 20(3):384–94, May 75

Thermography in diagnosing deep venous thrombosis of the lower limb. Leiviskä T, et al. **Radiol Clin (Basel)** 44(5):417–23, 1975

Lumbar thermography in discogenic disease. Raskin MM, et al. **Radiology** 119(1):149–52, Apr 76

Thermographic changes following preoperative radiotherapy in head and neck cancer. White RL, et al. **Radiology** 117(2):469–71, Nov 75

Thermography in cluster headache. Wood EH, et al.
Res Clin Stud Headache 4:107–11, 1976

Thermographic evaluation of intra-articular treatment with radioactive yttrium (90Y) in 62 rheumatoid knee joints. Jalava S, et al. **Scand J Rheumatol** 4(3):134–8, 1975

Abdominal thermography in infantile and childhood liver disease. Bhatia M, et al. **South Med J** 69(8):1045–8, Aug 76

Thermography. Haberman JD. **South Med J** 68(12):1585–8, Dec 75

Atrophie blanche examined with thermography. Miura T, et al. **Tohoku J Exp Med** 119(2):165–9, Jun 76

[Thermography in obliterating vascular diseases (author's transl)] Chudáček Z. **Cas Lek Cesk** 114(36):1119–21, 5 Sep 75 (Eng. Abstr.) **(Cze)**

[Interpolation of x-ray-gram and thermogram – new method for localization of expansive intracranial processes and evaluation of the functional changes in the infrared area of electromagnetic spectrum in 3-dimensional space by means of Selaxon 2, thermoprofile and axonometric planes] Stavratjev M, et al. **Cesk Pediatr** 30(7–8):331–8, Aug 75 (Eng. Abstr.) **(Cze)**

[Changes in the infrared region of the electromagnetic spectrum of the pancreas in childhood diabetes mellitus] Stavratjev M, et al. **Cesk Pediatr** 30(11):539–42, Nov 75 (Eng. Abstr.) **(Cze)**

[Diagnosis of metastazing adenocarcinoma of the thyroid gland in childhood—comparison of gammagraphy and infrared thermovision results] Stavratjev M, et al. **Cesk Pediatr** 31(4):204–7, Apr 76 (Eng. Abstr.) **(Cze)**

[Hand and thermography (author's transl)] Huber CJ. **Ann Chir** 29(11):1025–33, Nov 75 (Eng. Abstr.) **(Fre)**

[Comparative mammography and thermography studies in suspected breast nodules] Richelme H, et al. **Ann Chir** 29(9):872–3, Oct 75 **(Fre)**

[Value of thermography in the study of skin grafts and flaps] Abbes M, et al. **Ann Chir Plast** 19(4):325–34, 1974 (Eng. Abstr.) **(Fre)**

[Thermography and hand injuries] Dardour JC. **Ann Chir Plast** 20(1):45–51, 1975 (Eng. Abstr.) **(Fre)**

[Dynamic telethermography in dermatology] Amalric R, et al. **Ann Dermatol Syphiligr (Paris)** 102(2):157–64, 1975 (Eng. Abstr.) **(Fre)**

[Thermographic symptoms of benign mammary lesions. 1. Fibroadenomas (author's transl)] Gros C, et al. **Ann Radiol (Paris)** 18(6):597–607, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[The place of thermography in the diagnosis of arteritis in the lower limbs: with references to 184 cases verified by arteriography (author's transl)] Lamarque JL, et al. **Ann Radiol (Paris)** 18(5):525–31, Jul 75 (Eng. Abstr.) **(Fre)**

[An experimental thermographic study of peripheral artery pathology (author's transl)] Lamarque JL, et al. **Ann Radiol (Paris)** 18(5):513–23, Jul 75 (Eng. Abstr.) **(Fre)**

[Dynamic telethermography. Importance and limitations of its use in ophthalmology] Ardouin, et al. **Bull Soc Ophtalmol Fr** 75(1):81–90, Jan 75 **(Fre)**

[Thermography of 2 cases of rare vascular dysplasia] Dumoulin J. **Electrodiagn Ther** 12(3):145–50, 1975 **(Fre)**

[Physical bases of infra-red thermography] Dumoulin J. **Electrodiagn Ther** 13(1):17–24, 1976 **(Fre)**

[Thermoffgraphy of teeth] Quenneville Y, et al. **J Biol Buccale** 4(1):67–76, Mar 76 (Eng. Abstr.) **(Fre)**

[Phosphorus-32 test and thermography in hormonal study of breast cancers] Colin C.
J Gynecol Obstet Biol Reprod (Paris) 4 SUPPL 2:117–22, 1975 (Eng. Abstr.) **(Fre)**

[Study of breast cancer by means of liquid crystals thermography] Tricoire J.
J Gynecol Obstet Biol Reprod (Paris) 4 SUPPL 2:123–30, 1975 (Eng. Abstr.) **(Fre)**

[Dynamic telethermography and strategy in cancerology (author's transl)] Amalric R, et al.
J Radiol Electrol Med Nucl 56(12):895–900, Dec 75 (Eng. Abstr.) **(Fre)**

[Telethermography in the diagnosis of breast cancers] Amalric R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:314–6, 1975 **(Fre)**

[Role of dynamic telethermography in sarcomas of the bone and soft tissues] Amalric R, et al.
J Radiol Electrol Med Nucl 56 suppl 1:53–4, 1975 **(Fre)**

[Mammography and thermography in the diagnosis of breast lesions] Aubanel D, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:64–5, 1975 **(Fre)**

[Novel contribution of dynamic telethermography in the diagnosis of dysplasia and cancer of the uterine cervix (author's transl)] Ayme Y, et al.
J Radiol Electrol Med Nucl 56(12):901–2, Dec 75 (Eng. Abstr.) **(Fre)**

[Telethermography in plastic surgery] Donati L.
J Radiol Electrol Med Nucl 56 suppl 1:55, 1975 **(Fre)**

[Criteria of benignity of breast lesions] Ghys R.
J Radiol Electrol Med Nucl 56 suppl 1:65, 1975 **(Fre)**

[Mammary echothermographic comparisons (author's transl)] Gros C, et al. **J Radiol Electrol Med Nucl** 56(6–7):481–6, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Thermography of malignant bone tumors] Le Treut A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:55–7, 1975 **(Fre)**

[Role of thermography in gynecology] Loriaux C.
J Radiol Electrol Med Nucl 56 suppl 1:57–8, 1975 **(Fre)**

[Role of telethermography in vascular pathology. Arteritis of the lower limbs] Lovisatti L, et al.
J Radiol Electrol Med Nucl 56 suppl 1:63, 1975 **(Fre)**

[Role of thermography in the study of thyroid nodules] Rocchi L, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:58–60, 1975 **(Fre)**

[Role of thermography in noncancerous diseases of the breast] Solsona F, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:61–2, 1975 **(Fre)**

[Role of dynamic telethermography in malignant skin melanomas] Spitalier JM, et al.
J Radiol Electrol Med Nucl 56 suppl 1:60–1, 1975 **(Fre)**

[Role of dynamic telethermography after curative radiotherapy of breast cancers] Spitalier JM, et al.
J Radiol Electrol Med Nucl 56 suppl 1:327–9, 1975 **(Fre)**

[Contributions of plate thermography for the diagnosis and therapy of breast cancer] Tricoire J, et al.
J Radiol Electrol Med Nucl 56 suppl 2:635–7, 1975 **(Fre)**

[Contribution of thermography in exophthalmos] Ducrey N, et al. **Ophthalmologica** 172(2–3):225–8, 1976 **(Fre)**

[Diagnostic occursey of plate thermography in the diagnosis of breast diseases] Geissler KH, et al. **Arch Gynaekol** 219(1–4):127–9, 18 Nov 75 **(Ger)**

[Diagnosis of breast carcinoma with thermographic methods: tele-thermovision, plate thermography] Bothmann GA. **Fortschr Med** 94(16):285–7, 19 Feb 76 (Eng. Abstr.) **(Ger)**

[Thermography: a method for the assessment of rejection time in skin transplants] Erhardt W, et al.
Langenbecks Arch Chir Suppl:137–9, 1975 (Eng. Abstr.) **(Ger)**

[Mammography and thermography in the early diagnosis of breast cancer] Hüppe JR. **Med Welt** 27(21):1017–23, 21 May 76 **(Ger)**

[Possibility of thermography to differentiate pigmental skin tumors (author's transl)] Kaiser G, et al. **Radiologe** 15(12):453–6, Dec 75 (Eng. Abstr.) **(Ger)**

[Value of temperature profiles of injured legs (author's transl)] Kaiser G, et al. **Radiologe** 15(12):448–50, Dec 75 (Eng. Abstr.) **(Ger)**

[Clinical significance of thermographic measurements for differentiation of malignant and benign bone tumors (author's transl)] Kaiser G, et al. **Radiologe** 15(12):445–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Possibilities to evaluate hematogenous osteomyelitis of the extremities by thermography (author's transl)] Kaiser G, et al. **Radiologe** 15(12):451–2, Dec 75 (Eng. Abstr.) **(Ger)**

[Radiological, sonographic and thermographic methods for localization of placenta] von Fournier D, et al.
Roentgenpraxis 28(12):290–7, Dec 75 **(Ger)**

[Plate thermographic studies on the male external genitalia. A preliminary communication] Silló-Seidl G.
Urologe [A] 15(3):126–7, May 76 (Eng. Abstr.) **(Ger)**

[Thermographic detection of thyroid nodules] Shilo R, et al. **Harefuah** 90(7):304–7, 1 Apr 76 (Eng. Abstr.) **(Heb)**

[Thermographic study on the changes of blood flow in the carotid-ophthalmic region in subjects treated with piribedil] Ghisolfi A, et al. **Minerva Med** 67(26):1681–8, 26 May 76 **(Ita)**

[Usefulness of thermography in oncological diagnosis] Ramlau C. **Pol Przegl Radiol** 39(4):469–73, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Use of thermography in the diagnosis of inflammatory processess of the sacroiliac joint] Sadowska-Wroblewska M, et al. **Reumatologia** 13(3):183–91, 1975 (Eng. Abstr.) **(Pol)**

[Thermography in acute cholecystitis] Sukharev VF.
Khirurgiia (Mosk) (1):58–61, Jan 76 (Eng. Abstr.) **(Rus)**

[Thermography in diagnosis of inflammatory joint diseases] Deviatkov ND, et al. **Ortop Travmatol Protez** (6):77–8, Jun 75 **(Rus)**

[Use of thermovision examination of children with acute appendicitis] Dmitriev AE, et al. **Pediatriia** (11):66–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Complex use of ultrasonic biolocation and thermography in the diagnosis of maxillary sinus diseases] Livshina TsM, et al. **Vestn Otorinolaringol** (2):78–83, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Thermography as a diagnostic method in otorhinolaryngology] Preobrazhenskiĭ NA, et al.

Vestn Otorinolaringol (1):50–5, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Correlations between differences of temperature in thermovision and histological findings in breast carcinoma] Popović D, et al. **Srp Arh Celok Lek** 103(6):547–52, Jun 75 **(Ser)**

[Preliminary study of the use of thermography] Garcia-Sainz M, et al. **Arch Invest Med (Mex)** 6(2):435–44, 1975 (Eng. Abstr.) **(Spa)**

[Application of thermography in the diagnosis of melanoma] Castel T, et al. **Med Cutan Iber Lat Am** 2(6):409–16, 1974 (Eng. Abstr.) **(Spa)**

HISTORY

Presidential address: First European Congress on Thermography. Aarts NJ. **Bibl Radiol** (6):IX–XIV, 1975

The early history of thermography. pp. 1–14. Barnes RB.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

INSTRUMENTATION

Spatial resolution of thermographic cameras. Steketee J. **Bibl Radiol** (6):25–32, 1975

Preventing recurrent tissue breakdowns after 'pressure sore' closures. Rogers J, et al. **Plast Reconstr Surg** 56(4):419–22, Oct 75

Subcutaneous temperatures: a method of noninvasive sensing. Barrett AH, et al. **Science** 190(4215):669–71, 14 Nov 75

[Telethermographic follow-up of breast cancers treated by radiotherapy] Amalric R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4 SUPPL 2:99–107, 1975 (Eng. Abstr.) **(Fre)**

[Telethermography of the breast] Loriaux C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4 SUPPL 2:83–98, 1975 (Eng. Abstr.) **(Fre)**

METHODS

Microwave thermography: a method of detecting subsurface thermal patterns. Barrett AH, et al. **Bibl Radiol** (6):45–56, 1975

Techniques of infrared thermography. Jatteau M. **Bibl Radiol** (6):9–24, 1975

Thermography and radiology complimentary methods for the study of inflammatory diseases. Collins AJ, et al. **Clin Radiol** 27(2):237–43, Apr 76

The technique and recording of thermography. pp. 29–39. Nerlinger RE.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Liquid crystal thermography: a measure of therapeutic response to reserpine given intra-arterially. Chandler C Jr. **South Med J** 69(5):614–5, May 76

[Plate thermography in ophthalmology (presentation of a method)] Bonnin P, et al. **Bull Soc Ophtalmol Fr** 75(3):289–93, Mar 75 **(Fre)**

[Thermovision applied to relaxation] Julien R, et al. **Encephale** 1(3):237–44, 1975 (Eng. Abstr.) **(Fre)**

[Placental localization by plate thermography] Tricoire J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(5):697–702, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Application of plate thermography to the study of the placenta. Symptomology and future prospects] Amiel JP, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:439–40, 1975 **(Fre)**

[Comparative informative value of telethermography (infrared) and contact thermography (liquid crystals) in the study of the breast] Gautherie M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:316–8, 1975 **(Fre)**

[Thermography of the breast. Preliminary results of the study of vascular and physical factors] Gordenne W, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:633–5, 1975 **(Fre)**

[Possibilities and limitations of cholesteric plates in breast examinations] Lattanzio V, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:631–3, 1975 **(Fre)**

[Letter: Testicular thermography and varicocele] Ravina JH, et al. **Nouv Presse Med** 5(16):1070, 17 Apr 76 **(Fre)**

[Attempts at placental localization by means of plate thermography (author's transl)] Kubista E, et al. **Wien Klin Wochenschr** 87(21):729–32, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Cholesteric liquid crystal plaque thermography. New diagnostic aid in plastic surgery (preliminary note)] Giachero E. **Minerva Chir** 30(13–14):797–805, 15–31 Jul 75 **(Ita)**

[Correlations between angiography and thermography using liquid crystals on a plate in Raynaud's syndrome] Raso AM, et al. **Minerva Med** 66(76):3985–9, 10 Nov 75 (Eng. Abstr.) **(Ita)**

[Thermovisography in stomatology] Afanas'ev VV. **Stomatologiia (Mosk)** 54(4):87–92, Jul–Aug 75 **(Rus)**

[Thermovisiography of the maxillofacial region] Iudin LA, et al. **Stomatologiia (Mosk)** 55(2):38–44, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Use of color thermography for diagnosis of thyroid diseases]primenie tsvetnoĭ termografii dlia diagnostiki zabolveanii shchitovidnoĭ zhelezy Moiseenko MD, et al. **Vestn Khir** 115(11):69–72, Nov 75 (Eng. Abstr.) **(Rus)**

STANDARDS

[Possibilities and limits of infrared thermography] Houdas Y. **Lille Med** 20 spec no:268–73, 1975 **(Fre)**

[The value of physical methods (mammography and thermography) in examining breasts (author's transl)] Castaño-Almendral A. **Praxis** 65(6):161–3, 10 Feb 76 (Eng. Abstr.) **(Ger)**

[The place of plate thermography in the diagnosis of breast cancer (author's transl)] Kucera H, et al. **Wien Klin Wochenschr** 88(1):25–9, 9 Jan 76 (Eng. Abstr.) **(Ger)**

VETERINARY

Thermography in veterinary medicine. Strömberg B. **Bibl Radiol** (6):231–6, 1975

THERMOLUMINESCENT DOSIMETRY

CaSO4 (Dy) thermoluminescent dosimeters for the determination of gonadal doses. Hasman A, et al. **Acta Radiol [Ther] (Stockh)** 14(4):369–75, Aug 75

Computer dosimetry based on pelvic simulation. Hoskins B, et al. **Acta Radiol [Ther] (Stockh)** 14(4):362–8, Aug 75

Preparation and thermoluminescent characteristics of terbium doped magnesium orthosilicate phosphor. Bhasin BD, et al. **Health Phys** 30(1):139–42, Jan 76

Use of a thermoluminescent dosimetry system to measure laser beam power density. Birchall I, et al. **Health Phys** 28(5):622–3, May 75

Calcium sulphate phosphor for clinical neutron dosimetry. Blum E, et al. **Health Phys** 30(3):257–61, Mar 76

Improvements in the use of ceramic BeO for TLD. Crase KW, et al. **Health Phys** 29(5):739–46, Nov 75

Analysis of the thermoluminescence response of LiF powder to thermal neutron and gamma ray exposures. Kitahara A, et al. **Health Phys** 31(1):41–6, JUL 76

Thermal neutron and gamma ray mixed field dosimetry with Li2B4O7:Mn. Lakshmanan AR, et al. **Health Phys** 30(6):489–91, Jun 76

Film vs TLD: a choice for a countrywide personnel monitoring programme. Madhvanath U, et al. **Health Phys** 30(1):119–24, Jan 76

The efficiency of 7LiF thermoluminescent dosimeters for measuring 250 MeV/amu 6+C ions. Patrick JW, et al. **Health Phys** 28(5):615–7, May 75

The efficiency of 7LiF thermoluminescent dosimeters to high LET-particles, relative to 63Co gamma-rays. Patrick JW, et al. **Health Phys** 30(3):295–6, Mar 76

Dependence of LiF TLD-100 response on temperature during exposure. Sunta CM, et al. **Health Phys** 30(3):309–10, Mar 76

Influence of chromium on the thermoluminescence and phosphorescence of ruby. Watson JE Jr. **Health Phys** 31(1):47–56, JUL 76

Influence of heating conditions on the thermoluminescence sensitivity of TLD-LiF phosphors. Nakajima T, et al. **Int J Appl Radiat Isot** 27(2):113–21, Feb 76

Thermoluminescence studies on plant seeds of different radiosensitivity. Yamaguchi H, et al. **J Radiat Res (Tokyo)** 16(3):173–83, Sep 75

Dosimetric reliability of thermoluminescent phosphors (TLD-too). Paul JM, et al. **J Radiol Electrol Med Nucl** 56(11):779–83, Nov 75

Ultraviolet response of CaSO4:Dy. Chandra B, et al. **Phys Med Biol** 21(1):67–73, Jan 76

Letter: The influence of the composition of LiF TLD materials on their sensitivity to high energy electrons. Gantchew MG, et al. **Phys Med Biol** 21(2):300–3, Mar 76

A TLD system based on lithium borate for the measurement of doses to patients undergoing medical irradiation. Langmead WA, et al. **Phys Med Biol** 21(1):39–51, Jan 76

Cooling rate effects in thermoluminescence dosimetry grade lithium flouride. Implications for practical dosimetry. Mason EW, et al. **Phys Med Biol** 21(1):60–6, Jan 76

A thermoluminescence system for the intercomparison of absorbed dose and radiation quality of X-rays with a HVL of 0-1 to 3-0 mm Cu. Puite KJ. **Phys Med Biol** 21(2) Mar 76

The use of precision thermoluminescence dosimetry for intercomparison of absorbed dose. Rossiter MJ. **Phys Med Biol** 20(3):735–46, Sep 75

Thermoluminescence dosimetry in clinical radiation dose measurements. Tarakanath MS, et al. **Strahlentherapie** 152(1):71–7, Jul 76

[The use of thermoluminiscent dosimeters during special radiodiagnostic examinations (author's transl)] Ort J, et al. **Cesk Radiol** 30(2):132–7, Mar 76 (Eng. Abstr.) **(Cze)**

[Use of lithium fluoride in clinical dosimetry. Application to the measurement of the dose delivered to axilla by iridium 192 with endocurietherapy for carcinoma of the breast] Marinello G, et al. **J Radiol Electrol Med Nucl** 56(11):791–6, Nov 75 (Eng. Abstr.) **(Fre)**

[Measurement of the absorbed dose to the patient by computerized whole-body x-ray thomography with the aid of thermoluminescence dosimeters in an alderson-phantom (author's transl)] Krauss O, et al. **Radiologe** 16(7):288–93, Jul 76 (Eng. Abstr.) **(Ger)**

[Radiothermolumiscent dosimetry in plesioroentgenotherapy] Laconi A, et al. **Minerva Med** 67(20):1320–4, 28 Apr 76 (Eng. Abstr.) **(Ita)**

[Assessment by means of TL dosimetry of radiation dosage absorbed by the hands of personnel exposed to gamma rays] Balcerzak C. **Pol Tyg Lek** 30(42):1761–3, 20 Oct 75 **(Pol)**

INSTRUMENTATION

Automated thermoluminescence reader. I. Technical construction and function. Lindskoug B, et al. **Acta Radiol [Ther] (Stockh)** 14(2):195–208, Arp 75

Automated thermoluminescence reader. II. Experiments and theory. Lindskoug B. **Acta Radiol [Ther] (Stockh)** 14(4):347–61, Aug 75

Low-dose measurements with the Victoreen 2800 TLD system. Benko L. **Health Phys** 29(5):787, Nov 75

Some aspects of a CaF2:Mn thermoluminescent dosimeter. Dekker H. **Health Phys** 30(5):399–401, May 76

New system to realize a reliable thermal contact in TLD-system. Ghoos LH, et al. **Health Phys** 29(5):785–6, Nov 75

A comparison of LiF and FeSO4 dosimetry with cavity theory for high-energy electrons. Fregene AO. **Radiat Res** 65(1):20–8, Jan 76

Clinical use of thermoluminescent dosimeters in supervoltage x-ray therapy. Bagne F. **Radiology** 119(2):480–2, May 76

METHODS

A thermoluminescent method for estimation of effective thyroidal half-life of therapeutic 131I in toxic goitre. Malone JF, et al. **Br J Radiol** 48(573):762–4, Sep 75

Skin dose with cones and diaphragms in 137Cs teletherapy – a study using lithium borate thermoluminescent dosimeters. Das KR, et al. **Strahlentherapie** 150(2):134–7, Aug 75

[In-vivo dosimetry using thermoluminescence in patients treated with with high-energy electron] van Dam J. **J Belge Radiol** 55(2):293–6, Mar–Apr 72 (Eng. Abstr.) **(Dut)**

STANDARDS

The reusability of solid thermoluminescent dosimeters and its relation to the maintenance of TL standards. Cox FM, et al. **Health Phys** 30(1):135–7, Jan 76

THERMOLYSIN

Distance measurements between the metal-binding sites in thermolysin using terbium ion as a fluorescent probe. Berner VG, et al. **Biochem Biophys Res Commun** 66(2):763–8, 16 Sep 75

Role of Calcium in the thermal stability of thermolysin. Dahlquist FW, et al. **Biochemistry** 15(5):1103–11, 9 Mar 76

Effect of EDTA on the conformational stability of thermolysin. Fontana A, et al. **Experientia** (26):55–9, 1976

The structure and stability of thermolysin. Weaver LH, et al. **Experientia** (26):31–9, 1976

Subfragmentation of the Fc fragment of human IgG1 myeloma protein by thermolysin. Hunneyball IM, et al. **Immunology** 30(4):579–86, Apr 76

Energy transfer between terbium (III) and cobalt (II) in thermolysin: a new class of metal---metal distance probes. Horrocks WD Jr, et al. **Proc Natl Acad Sci USA** 72(12):4764–8, Dec 75

[Specificity of thermolysin action on dog myoglobin] Dumur V, et al. **Biochimie** 58(5):525–32, 1976 (Eng. Abstr.) **(Fre)**

ANALYSIS

Thermal stability of homologous neutral metalloendopeptidases in thermophilic and mesophilic bacteria: structural considerations. Pangburn MK, et al. **Experientia** (26):19–30, 1976

Evidence of homologous relationship between thermolysin and neutral protease A of Bacillus subtilis. Levy PL, et al. **Proc Natl Acad Sci USA** 72(11):4341–5, Nov 75

ANTAGONISTS & INHIBITORS

Studies on inhibitory effect of phosphoramidon and its analogs on thermolysin. Komiyama T, et al. **Arch Biochem Biophys** 171(2):727–31, Dec 75

Studies on the inhibition of thermolysin. Feder J, et al. **Experientia** (26):41–54, 1976

METABOLISM

The role of bound calcium ions in thermostable, proteolytic enzymes. II. Studies on thermolysin, the thermostable protease from Bacillus thermoproteolyticus. Voordouw G, et al. **Biochemistry** 14(21):4667–73, 21 Oct 75

Role of calcium ions in the thermostability of thermolysin and Bacillus subtilis var. amylosaccharitícus neutral protease. Tajima M, et al. **Eur J Biochem** 64(1):243–7, 15 Apr 76

PHARMACODYNAMICS

Use of thermolysin for the dissociation of lung tissue into cellular components. Frazier ME, et al. **Lab Invest** 33(3):231–8, Sep 75

THERMOMETERS

Contact probe for corneal temperature measurements.

Horven I, et al. **Acta Ophthalmol (Kbh)** 53(6):856–62, Dec 75

Improvement of deep body thermometer for man. Kobayashi T, et al. **Ann Biomed Eng** 3(2):181–8, Jun 75

The kata thermometer as an instrument for measuring environmental and human factors for man. Rapp GM. **Arch Sci Physiol (Paris)** 27(3):271–84, 1973

Errors in using clinical thermometers. Coggon DN, et al. **Br Med J** 1(6011):692, 20 Mar 76

Correct application of liquid–in–glass thermometers for accurate temperature measurements in the clinical laboratory. Ween S. **Clin Chem** 22(7):1112–3, Jul 76

Time constant of thermistors and its role in thermodilution methods. Zajic F, et al. **Cor Vasa** 17(3):204–11, 1975

Production and use of the thermocouple for investigation of the effect of bioelectric potentials intraorally. Jacobs JD. **J Dent Res** 55(4):700, Jul–Aug 76

Proceedings: A brain thermode unit for use in oxen. Calvert DT. **J Physiol (Lond)** 251(1):1P, Sep 75

Proceedings: A method for the construction of miniature thermal probes suitable for use in small mammals. Neame RL, et al. **J Physiol (Lond)** 259(1):6P–7P, Jul 76

Foreign body migration from the bladder. Kiriyama T, et al. **J Urol** 115(5):530–1, May 76

A modified internal temperature measurement device. Togwa T, et al. **Med Biol Eng** 14(3):361–4, May 76

The cost of taking temperatures. Moorat DS. **Nurs Times** 72(20):767–70, 20 May 76

Apparatus for measuring pressure–volume–temperature relationships of polymers to 350 degrees C and 2200kg/cm2. Zoller P, et al. **Rev Sci Instrum** 47(8):948–52, Aug 76

A single–use clinical thermometer. McAllister TA. **Scott Med J** 20(6):300–4, Nov 75

Practical considerations for the use of a pulmonary artery thermistor catheter. Woods M, et al. **Surgery** 79(4):469–75, Apr 76

[Clinical thermometry and functional diagnosis] Kadeřávek F. **Fysiatr Reumatol Vestn** 53(5):284–8, Oct 75 (Eng. Abstr.) **(Cze)**

[Measurement of skin temperature with the resistance thermometer, Thermophil] Wozniak KD, et al. **Dermatol Monatsschr** 162(7):577–84, Jul 76 (Eng. Abstr.) **(Ger)**

[Application of infrared radiometry on the eye (author's transl)] Ruprecht KW. **Klin Monatsbl Augenheilkd** 168(05):686–91, May 76 (Eng. Abstr.) **(Ger)**

[Child bites on the fever–thermometer in the mouth. Can mercury cause any damage] Schweisheimer W. **Med Lab (Stuttg)** 28(4):89, Apr 75 **(Ger)**

[Case of unusual accidental penetration of metallic mercury into the joint] Borsalino G, et al. **Clin Ortop** 25(2):121–6, Apr–Jun 74 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

A shower spray facility for accurate control and rapid changes of skin temperature. Callin GD. **J Appl Physiol** 40(4):641–3, Apr 76

STANDARDS

Assessment of a single–use clinical thermometer. Brislen W, et al. **Nurs Times** 72(6):235–7, 12 Feb 76

The use of the Peltier effect for simple and accurate calibration of thermoelectric devices. Kretzschmar KM, et al. **Proc R Soc Lond [Biol]** 190(1100):315–21, 19 Aug 75

THERMOPLASMA

ANALYSIS

The lipopolysaccharides of mycoplasmas. pp. 63–7. Smith PF, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

METABOLISM

Polypeptide nature of growth requirement in yeast extract for Thermoplasma acidophilum. Smith PF, et al. **J Bacteriol** 124(2):884–92, Nov 75

THERMORECEPTORS

New approach to caloric stimulation of the vestibular receptor. Proctor LR, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):683–94, Sep–Oct 75

DRUG EFFECTS

[Proceedings: Effects of progesterone on the thermoreceptor neurons of the front area of the optic nerve] Nakayama A, et al. **J Physiol Soc Jpn** 36(8–9):393, 1 Sep 74 **(Jpn)**

[The effect of leukocyte pyrogen on thermosensitive neurons of the anterior hypothalamus] Beliavskii EM, et al. **Biull Eksp Biol Med** 80(11):17–20, Nov 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Metabolic reactions to changes in core and skin temperature in man. Nielsen B. **Acta Physiol Scand** 97(1):129–38, Mar 76

New approach to caloric stimulation of the vestibular receptor. Proctor LR, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):683–94, Sep–Oct 75

Nervous outflow from the cat's foot during noxious radiant heat stimulation. Beck PW, et al. **Brain Res** 67(3):373–86, 8 Mar 74

Sorting of signals from thermosensitive areas. Fuller CA, et al. **Comput Programs Biomed** 4(4):263–73, Aug 75

Types of neuronal responses in the rat thalamus to peripheral temperature changes. Jahns R. **Exp Brain Res** 23(2):157–66, 14 Aug 75

Descending influences on transmission through the spinocervical tract. pp. 105–8. Brown AG.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Peripheral neural determinants in the sensing of changes in skin temperature. pp. 23–37. Darian–Smith I, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Cutaneous thermoreceptors and thermal nociceptors. pp. 5–22. Iggo A, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975 (44 ref.)

The dynamic response of cold units of the cat. pp. 38–42. Kenshalo DR.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Some presynaptic mechanisms controlling impulse transmission in monosynaptic pathways. pp. 208–17. Rudomin P.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Temperature reception and thermal comfort. pp. A359–70. Hensel H.
In: Prévision quantitative des effets physiologiques et psychologiques de l'environnement thermique chez l'homme. Paris, Centre National de la Recherche Scientifique, 1975. QT 165 C714p 1974. (23 ref.)

Individual facial areas in the human circulatory response to immersion. Parfrey P, et al. **Ir J Med Sci** 144(9):335–42, Sep 75

A device to measure cutaneous temperature sensitivity in humans and subhuman species. Kenshalo DR, et al. **J Appl Physiol** 39(6):1038–40, Dec 75

Unit responses in the medulla oblongata of rabbit to changes in local and cutaneous temperature. Inoue S, et al. **J Physiol (Lond)** 259(2):339–56, Jul 76

Proceedings: Response of thermo–responsive neurons of the mesencephalon to heating and cooling of the spinal cord. Hori T, et al. **J Physiol Soc Jpn** 36(8–9):392, 1 Sep 74

Differential thermosensitivity and electric prepolarization of the ampullae of Lorenzini. Nier K, et al. **Pfluegers Arch** 363(3):181–5, 22 Jun 76

Functional and structural basis of thermoreception. Hensel H. **Prog Brain Res** 43:105–18, 1976 (28 ref.)

Physiological mechanisms of skin thermosensitivity. Ivanov K, et al. **Prog Brain Res** 43:143–9, 1976

Some response properties of cold fibers to cooling. Kenshalo DR, et al. **Prog Brain Res** 43:129–42, 1976

On the vascular component of the peripheral cold reception. Minut–Sorokhtina OP, et al. **Prog Brain Res** 43:119–27, 1976

Analysis of activity in A and C fibres under mechanical and thermal stimulation of the skin receptor field. Zeveke AV, et al. **Prog Brain Res** 43:151–7, 1976

The specialized apparatus of temperature perception in man] Tsirul'nikov EM, et al. **Zh Evol Biokhim Fiziol** 11(5):479–82, Sep–Oct 75 **(Rus)**

THERMOREGULATION see **BODY TEMPERATURE REGULATION**

THESES see under **DISSERTATIONS, ACADEMIC**

THETA RHYTHM see under **ELECTROENCEPHALOGRAPHY**

THEVETIN see under **CARDIAC GLYCOSIDES**

THIABENDAZOLE

ADMINISTRATION & DOSAGE

Critical tests of anthelmintic activity of a paste formulation of thiabendazole in horses. Lyons ET, et al. **Am J Vet Res** 37(6):701–2, Jun 76

Anthelmintic efficiency related to strategic control schemes for helminthiasis in sheep. Anderson N, et al. **Aust Vet J** 51(2):67–70, Feb 75

The successful treatment of creeping eruption with topical thiabendazole. Whiting DA. **S Afr Med J** 50(8):253–5, 21 Feb 76

Evaluation of ComBotTM (Trichlorfon) when combined with phenothiazine, mebendazole or thiabendazole for use as a broad–spectrum anthelmintic in horses. Rand H. **Vet Med Small Anim Clin** 70(11):1297–9, Nov 75

[Treatment of human intestinal helminthiasis with a combined dosage of mebendazole and thiabendazole (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 30(3–4):89–90, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[A study on the anti–scabies action of 5 percent thiabendazole in a topic use (author's transl)] Villalobos D, et al. **Bol Chil Parasitol** 30(1–2):2–5, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Gas chromatographic determination of thiabendazole in fruits as its methyl derivative. Tanaka A, et al. **J Chromatogr** 117(1):149–60, 4 Feb 76

ANALYSIS

Determination of benomyl and 2–(4–thiazolyl) benzimidazole in plant tissues by high–performance liquid chromatography using fluorimetric detection. Maeda M, et al. **J Chromatogr** 120(2):449–55, 26 May 76

[Analysis of thiabendazole in citrus fruits and bananas] Romminger K, et al. **Nahrung** 20(4):407–17, 1976 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Resistance of selected lines of Haemonchus contortus to thiabendazole, morantel tartrate and levamisole. Le Jambre LF, et al. **Int J Parasitol** 6(3):217–22, Jun 76

Cross–resistance to other anthelmintics in an experimentally produced cambendazole–resistant strain of Haemonchus contortus in lambs. Colglazier ML, et al. **J Parasitol** 61(4):778–9, Aug 75

Effect of cambendazole, thiabendazole, and levamisole on fumarate reductase in cambendazole–resistant and –sensitive strains of Haemonchus contortus. Romanowski RD, et al. **J Parasitol** 61(4):777–8, Aug 75

THERAPEUTIC USE

Letter: Prostate infections. Terhune NC. **Am Fam Physician** 12(5):29, Nov 75

Topically applied thiabendazole in the treatment of scabies. Hernández–Pérez E. **Arch Dermatol** 112(10):1400–1, Oct 76

Letter: Treatment of strongyloidiasis. Gupte S. **Indian Pediatr** 12(7):611, Jul 75

Creeping eruption and thiabendazole. Stromberg BE, et al. **Int J Dermatol** 15(5):355–6, Jun 76

Thiabendazole in the treatment of dracunculosis. Bhargava RK, et al. **J Assoc Physicians India** 23(11):763–7, Nov 75

Continuous feed medication with thiabendazole for the removal of Hymenolepis nana, Syphacia obvelata and Aspiculuris tetraptera in naturally infected mice. Taffs LF. **J Helminthol** 49(3):173–7, Sep 75

The efficacy of thiabendazole against the arrested larvae of some Trichostrongylidae and Chabertia ovina in sheep. Connan RM. **Res Vet Sci** 20(1):13–5, Jan 76

Community control of Strongyloides stercoralis by thiabendazole. Arguedas JA, et al. **Tex Rep Biol Med** 33(2):265–8, 1975

Anti–inflammatory activity of thiabendazole and its relation to parasitic disease. van Arman GG, et al. **Tex Rep Biol Med** 33(2):303–11, 1975

Letter: Anthelmintic advertisement. Gilbert GA. **Vet Rec** 97(7):137, 16 Aug 75

[Inhibition of the development of larvae of Cooperia punctata and Cooperia pectinata in zebus of Niger] Graber M, et al. **Rev Elev Med Vet Pays Trop** 28(2):137, 1975 (Eng. Abstr.) **(Fre)**

[The effectiveness of fenbendazole, thiabendazole and tetramisole against gastrointestinal nematodes of ruminants] Chroust K, et al. **Dtsch Tieraerztl Wochenschr** 82(12):487–91, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Ranide–MSD and ranizole–MSD in the treatment of fasciolasis and gastrointestinal nematode infections in sheep] Romaniuk K, et al. **Wiad Parazytol** 22(2):177–84, 1976 (Eng. Abstr.) **(Pol)**

[The treatment of helminthiasis with thiabendazole] Yalçinkaya F. **Turk Hij Tecr Biyol Derg** 35(2–3):101–6, 1975 **(Tur)**

THIACETAZONE

ADVERSE EFFECTS

Reactions to thiacetazone. Sarma OA. **Indian J Chest Dis** 18(1):51–5, Jan 76

Hepatotoxicity of thiacetazone. Sharda B, et al. **Indian Pediatr** 13(4):315–6, Apr 76

A study of adverse reactions to high dosage intermittent thiacetazone. Fox W, et al. **Tubercle** 55(1):29–40, Mar 74

ANALYSIS

[Determination of solution by potentiometric titration] Belikov VG, et al. **Farmatsiia** 25(2):62–3, 1976 **(Rus)**

PHARMACODYNAMICS

The sensitivity to thiacetazone of tubercle bacilli isolated from patients with pulmonary tuberculosis in Sri Lanka. Pinto MR, et al. **Tubercle** 55(2):129–33, Jun 74

THERAPEUTIC USE

Concurrent comparison of an unsupervised daily oral regimen of thiacetazone plus isoniazid and a fully supervised twice–weekly regimen of streptomycin plus isoniazid in the domiciliary treatment of pulmonary tuberculosis—a co–operative investigation. Menon K. **Bull Int Union Tuberc** 49 suppl 1:131–2, Aug 74

The activity of thiacetazone, thiambutosine and thiocarlide in the chemotherapy of experimental leprosy. Colston MJ, et al. **Int J Lepr** 44(1–2):123, Jan–Jun 76

Comparative trial of thiacetazone with isoniazid and

paraaminosalicyclic acid (PAS) with isoniazid in the treatment of pulmonary tuberculosis in Nigerians. Onadeko BO, et al. **J Trop Med Hyg** 78(9):201–5, Sep 75

A controlled clinical trial of the role of thiacetazone-containing regimens in the treatment of pulmonary tuberculosis in Singapore: second report. **Tubercle** 55(4):251–60, Dec 74

A pilot study of two regimens of intermittent thiacetazone plus isoniazid in the treatment of pulmonary tuberculosis in East Africa. **Tubercle** 55(3):211–21, Sep 74

Serum concentrations and antituberculosis activity of thiacetazone. Ellard GA, et al. **Tubercle** 55(1):41–54, Mar 74

THIADIAZINES see under **THIAZINES**

THIADIAZOLES

[New drugs. 20: Blocadren, Diprosone, Eryfer, Ludiomil and Naprpsyne] van der Meer J. **Ned Tijdschr Geneeskd** 119(37):1415–6, 13 Sep 75 **(Dut)**

ADVERSE EFFECTS

Urinary calculus during methazolamide therapy. Shields MB, et al. **Am J Ophthalmol** 81(5):622–4, May 76

Acute respiratory failure precipitated by a carbonic anhydrase inhibitor. Coudon WL, et al. **Chest** 69(1):112–3, Jan 76

ANTAGONISTS & INHIBITORS

NAD precursors as antiteratogens against aminothiadiazole. Beaudoin AR. **Teratology** 13(1):95–9, Feb 76

CHEMICAL SYNTHESIS

Synthesis of V-triazolo(4,5-c)pyridine nucleosides and 4-(beta-D-ribofuranosyl)amino-1,2,3-thiadiazolo(5,4-b)py via a rearrangement. May JA Jr, et al. **J Org Chem** 41(8):1449–56, 16 Apr 76

Some 4-quinazolone-1.3.4-thiadiazoles. Ossman AR, et al. **Pharmazie** 30(8):540–1, Aug 75

[Gluco- and xylopyranosides of 3-phenyl-4-methyl-(1,2,4)-triazoline- 5-thiones and 3-phenyl-(1,3,4)-thiadiazoline-5-thiones] Wagner G, et al. **Pharmazie** 29(11):694–8, 1975 **(Ger)**

[Thiourea derivatives of 1,3,4-thiadiazole and their cyclization products] Russo F, et al. **Farmaco [Sci]** 30(12):1031–8, Dec 75 (Eng. Abstr.) **(Ita)**

[Synthesis and evaluation of the antibacterial activity of benzothiazole derivatives of 1,3,4-thiadiazole and immidazo/2,1-b/1,3,4-thiadiazole] Russo F, et al. **Farmaco [Sci]** 31(1):41–8, Jan 76 (Eng. Abstr.) **(Ita)**

[Synthesis of a sulfohydrazide close to diacarb] Tsurkan AA, et al. **Farm Zh** (2):40–3, Mar–Apr 76 **(Ukr)**

PHARMACODYNAMICS

Effects of 2-amino-1,3,4-thiadiazole on ribonucleotide pools of leukemia L1210 cells. Nelson JA, et al. **Cancer Res** 36(4):1375–8, Apr 76

Mechanism of action of 2,2'-(methylenediimino)bis-1,3,4-thiadiazole (NSC 143019), an antitumor agent. Tsukamoto K, et al. **Cancer Res** 35(10):2631–6, Oct 75

Antiviral 1,3,4-thiadiazoles. II. Effects on cellular and viral RNA synthesis in Mengo-virus-infected FL cells. Tonew M. **Chemotherapy** 22(2):114–20, 1976

Duration of cardiac effects of timolol and propranolol. Achong MR, et al. **Clin Pharmacol Ther** 19(2):148–52, Feb 76

Cardiovascular and beta-adrenergic blocking effects of timolol. Mouillé P, et al. **Eur J Pharmacol** 35(2):235–43, Feb 76

CO2 retention as a basis for increased toxicity of salicylate with acetazolamide: avoidance of increased toxicity with benzolamide. Liddell NE, et al. **J Pharmacol Exp Ther** 195(1):1–7, Oct 75

[Transmembrane exchange of Cl- and HCO3- in erythrocytes: direct action of carbonic anhydrase inhibitors on the transport mechanism] Motais R, et al. **C R Acad Sci [D] (Paris)** 280(9):1119–22, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Effect of terrazol on the ultrastructure of Mucor mucedo] Casperson G, et al. **Z Allg Mikrobiol** 15(7):481–93, 1975 (Eng. Abstr.) **(Ger)**

[Mechanism of action of terrazol] Lyr H, et al. **Z Allg Mikrobiol** 15(5):345–55, 1975 (Eng. Abstr.) **(Ger)**

[2-anilino-1,3,4-thiadiazoles, inhibitors of oxidative and photosynthetic phosphorylation (author's transl)] Schäfer G, et al. **Z Naturforsch [C]** 30(2):183–9, Mar–Apr 75 **(Ger)**

THERAPEUTIC USE

Timolol maleate (Blocadren) in the treatment of essential hypertension. O'Brien KP. **NZ Med J** 82(551):293–6, 12 Nov 75

Antihypertensive therapy with timolol and alpha-methyldopa. A double-blind trial in patients with moderately severe hypertension. Lubbe WF. **S Afr Med J** 50(9):279–85, 28Feb 76

TOXICITY

[On the toxicology of benzol-sulphamide] Fridman SM, et al. **Gig Tr Prof Zabol** (12):47–9, Dec 75 **(Rus)**

THIAMBUTENE see under **THIOPHENES**

THIAMINE

Early signs of thiamine deficiency. Somogyi JC. **Bibl Nutr Dieta** (23):78–85, 1976

Studies on the nutrition of marine flatfish. The thiamin requirement of turbot (Scophthalmus maximus). Cowey CB, et al. **Br J Nutr** 34(3):383–90, Nov 75

Intake of selected nutrients compared with socioeconomic status in young women. Brown B, et al. **Med J Aust** 2(21):796–7, 22 Nov 75

Stability of injection solutions of vitamin B1 Part 1: Influence of chelating agents. Ammar HO. **Pharmazie** 31(4):235–6, Apr 76

Stability of injection solutions of vitamin B1. Part 2: Influence of lipoic acid. Ammar HO. **Pharmazie** 31(6):373–4, Jun 76

[Management of postoperative pain using Dolo-Neurotrat-doubele-blind study] Albrecht G, et al. **Fortschr Med** 93(24):1123–4, 28 Aug 75 **(Ger)**

ADMINISTRATION & DOSAGE

[Determination of the activity of transketolase in erythrocytes in the study of the vitamin B-1 requirements of the population] Knapp A, et al. **Vopr Pitan** (5):3–7, Sep-Oct 75 **(Rus)**

ANALOGS & DERIVATIVES

The nonmetabolic role of thiamine in excitable membrane function. pp. 283–305. Barchi RL. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

Biochemical changes in thiamine deficiencies. pp. 121–41. Gubler CJ. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.** (16 ref.)

Anti-inflammatory and related activities of some recently synthesized thiamine derivatives: an experimental study. Godhwani JL, et al. **Indian J Med Res** 63(7):1010–9, Jul 75

Carbon 13 magnetic resonance studies of DL-2-(alpha-hydroxyethyl) thiamin and related compounds. Relation of kinetic acidity to electronic factors in thiamin catalysis. Gallo AA, et al. **J Biol Chem** 251(9):2564–70, 10 May 76

Thiamine triphosphatase activity of myosin and accelerating effect of thiamine di- and tri-phosphates on superprecipitation of actomyosin. Murai A, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(3):169–81, 1975

Cardiac action of thiamine derivatives in guinea pig atria. Shinozaki H. **J Nutr Sci Vitaminol (Tokyo)** 22(1):29–34, 1976

[The influence of the antivitamine pyrithiamine on the metabolism of the thiamin-autotrophic Serratia marcescens] Hagedorn H, et al. **Arch Microbiol** 103(1):83–8, 12 Mar 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Electrochemical assay of thiamine, riboflavin, pyridoxine, nicotinamide and ascorbic acid in pharmaceutical preparations. Soderhjelm P, et al. **Acta Pharm Suec** 13(3):201–12, 1976

An improved procedure for the determination of thiamine. Edwin EE, et al. **Analyst** 100(1195):689–95, Oct 75

Leigh's disease: significance of the biochemical changes in brain. Murphy JV, et al. **J Neurol Neurosurg Psychiatry** 38(11):1100–3, Nov 75

Quantitative determination of drugs by means of densitometry of thin-layer chromatograms. Part 5: Determination of the Vitamins B1, B2, B6 and B12 in mixture and in pharmaceutical preparations. Joneidi M, et al. **Pharmazie** 30(7):453–5, Jul 75

[Vitamin B1 determination in ready-to-use infant food] Stechert J, et al. **Nahrung** 20(5):519–23, 1976 (Eng. Abstr.) **(Ger)**

[Thiamine in irradiated foodstuffs. II. Combined effects of irradiation, storage and cooking on the thiamine content (author's transl)] Diehl JF. **Z Lebensm Unters Forsch** 158(2):83–6, 30 Jun 75 (Eng. Abstr.) **(Ger)**

[Vitamin B1 and B2 content in chicken meat and eggs] Khamidullina LA, et al. **Veterinariia** (7):106–7, Jul 76 **(Rus)**

[Level of thiamine and riboflavin in slaughtered pork products obtained at an industrial complex] Shestakov IuM. **Vopr Pitan** (2):69–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Antithiamine effect of methyl sinapate on the growth of Staphylococcus aureus & on rat erythrocyte transketolase activity. Bhattacharya J, et al. **Indian J Exp Biol** 13(5):474–5, Sep 75

Effects of thiamine antagonists on nerve conduction. II. Voltage clamp experiments with antimetabolites. Goldberg DJ, et al. **J Neurobiol** 6(5):453–62, Sep 75

Effects of thiamine antagonists on nerve conduction. I. Actions of antimetabolites and fern extract on propagated action potentials. Goldberg DJ, et al. **J Neurobiol** 6(5):435–52, Sep 75

BIOSYNTHESIS

Production of a precursor to the pyrimidine moiety of thiamine. Rubin HE, et al. **Appl Environ Microbiol** 31(6):936–41, Jun 76

The biosynthesis of the thiazole moiety of thiamine in Salmonella Typhimurium. Bellion E, et al. **Biochim Biophys Acta** 437(1):229–37, 23 Jun 76

[Synthesis of thiamine and riboflavin by nodule bacteria of clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(3):314–9, May-Jun 75 (Eng. Abstr.) **(Ukr)**

BLOOD

Plasma level and transfer capacity of thiamin in patients undergoing long-term hemodialysis. Niwa T, et al. **Am J Clin Nutr** 28(10):1105–9, Oct 75

[Consequences of the chronic administration of phenformine on the blood thiamine level in the dog] Valette G, et al. **C R Soc Biol (Paris)** 169(6):1562–7, 1975 (Eng. Abstr.) **(Fre)**

[Vitamin B1 and B2 metabolism in calves] Anokhin BM, et al. **Veterinariia** (11):68–70, Nov 75 **(Rus)**

CHEMICAL SYNTHESIS

[Studies on the Thorpe-Ziegler-reaction. A new synthesis of the pyridine part of thiamine] Edenhofer A, et al. **Helv Chim Acta** 58(4):1230–40, 4 Jun 75 **(Ger)**

HISTORY

Vitamin B1 and beriberi. Fawns H. **Nurs Times** 71(47):1870–3, 20 Nov 75

ISOLATION & PURIFICATION

[Separation of thiamine phosphoric esters on cation-exchange Saphadex] Parkhomenko IuM, et al. **Ukr Biokhim Zh** 48(3):384–7, Apr-Jun 76 (Eng. Abstr.) **(Ukr)**

[Preparative separation of thiamine di- and triphosphates by ion-exchange chromatography] Kybina AO, et al. **Ukr Biokhim Zh** 47(3):385–8, May-Jun 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Thiamine transport in the central nervous system. Spector R. **Am J Physiol** 230(4):1101–7, Apr 76

Effect of trypsinization of thiamine transport in Escherichia coli Crookes. Carraway CA, et al. **Biochem Biophys Res Commun** 67(2):728–34, 17 Nov 75

Thiamine transport in thiamine-deficient rats. Role of the unstirred water layer. Hoyumpa AM Jr, et al. **Biochim Biophys Acta** 436(2):438–47, 17 Jun 76

Inhibition of thiamine transport in anaerobic baker's yeast by iodoacetate, 2,4-dinitrophenol N,N'-dicyclohexylcarbodiimide and fatty acids. Iwashima A, et al. **Biochim Biophys Acta** 399(2):375–83, 13 Aug 75

Thiamine transport mutants of Saccharomyces cerevisiae. Iwashima A, et al. **Biochim Biophys Acta** 413(2):243–7, 1 Dec 75

Enzymic evaluation of thiamin, riboflavin and pyridoxine status of parturient women and their newborn infants. Bamji MS. **Br J Nutr** 35(2):259–65, Mar 76

Is calcium deficiency related to thiamine-dependent neuropathy in pigeon? Itokawa Y. **Brain Res** 94(3):475–84, 5 Sep 75

Subacute necrotizing encephalomyelopathy. pp. 353–60. Cooper JR, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

Some properties of the enzyme system degrading phosphorylated thiamines in the brain and the effect of chlorpromazine. pp. 213–21. Iwata H, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.** (27 ref.)

Free thiamine transport system in Escherichia coli: evidence for the existence of an energy-dependent exit process. pp. 83–94. Kawasaki T, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.** (26 ref.)

Thiamine uptake by brain slices. pp. 157–68. Nose Y, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

Thiamine-binding protein of Escherichia coli. pp. 105–19. Nose Y, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

Ultrastructural cytochemistry of phosphatases related to thiamine metabolism. pp. 179–93. Ogawa K, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

Thiamine absorption in the rat. III. Effect of ethyl alcohol on active absorption of thiamine in-vitro. Höller H, et al. **Int J Vitam Nutr Res** 45(2):138–43, 1975

Thiamine transport across the rat intestine. II. Effect of ethanol. Hoyumpa AM Jr, et al. **J Lab Clin Med** 86(5):803–16, Nov 75

The uptake of thiamine and thiamine tetrahydrofurfuryl disulfide (TTFD) by isolated guinea pig atria. Shinozaki H. **J Nutr Sci Vitaminol (Tokyo)** 21(6):451–3, 1975

Thiamin status of laboratory rabbits. Loew FM, et al. **Lab Anim Sci** 26(2 Pt 1):201–2, Apr 76

Biochemical assessment of thiamin status in patients with neurosis. Gontzea I, et al. **Nutr Metab** 19(3–4):153–7, 1975

Ultrastructure of Lactobacillus fermentum during early and late growth phases and during thiamine deficiency. Neujahr HY, et al. **Z Allg Mikrobiol** 15(4):269–74, 1975

[Influence of protein-enriched food on tissue vitamin content in pregnant and lactating rats] Leclerc J. **Int J Vitam Nutr Res** 45(2):209–20, 1975 (Eng. Abstr.) **(Fre)**

[Biochemical assessment of the state of thiamine nutrition in patients with neuroses] Gontea I, et al. **Physiologie** 12(1):3–7, 1975 **(Fre)**

[Studies on the state of vitamins B1, B2 and B6 in Down's syndrome] Schmid F, et al. **Fortschr Med** 93(25):1170–2, 11 Sep 75 (Eng. Abstr.) **(Ger)**

[Suppression of thiamine uptake in coli-form bacteria by thiamine phosphate ester] Nishimune T, et al. **Jpn J Bacteriol** 30(1):137, Jan 75 **(Jpn)**

[Neural pathway of entry of vitamin B1 into the central nervous system] Pletsityi KD, et al. **Dokl Akad Nauk SSSR** 224(2):491–2, 11 Sep 75 **(Rus)**

[Effect of tuberculosis infection and antibacterial preparations on thiamine metabolism] Arkhipova OP. **Vopr Med Khim** 21(5):485–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Permeability of the mitochondrial membranes of the organs of white rats innoculated with Walker carcinoma to lipoic acid and thiamine labelled with S35] Karpov LM, et al. **Vopr Onkol** 21(8):69–73, 1975 (Eng. Abstr.) **(Rus)**

[State of the metabolism of thiamine in white rats during the long-term administration of ethanol] Efremov VV, et al. **Vopr Pitan** (2):29–32, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The activity of several enzymes of the mucous membrane of the intestine during thiamine absorption] Kiriliuk AG. **Vopr Pitan** (2):11–5, Mar–Apr 76 **(Rus)**

[Vitamin B 1 and immunity: data and questions subject to further study (review of the literature)] Lutsiuk NB, et al. **Vopr Pitan** (5):56–61, Sep–Oct 75 **(Rus)**

[Vitamin B1 requirement in patients with brain tumors in the pre- and postoperative period] Shevaga VN. **Vrach Delo** (6):102–4, Jun 74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cardiovascular effects of high doses of thiamine (vit B1) in the dog with special reference to myocardial oxygen consumption. Freye E. **Basic Res Cardiol** 71(2):192–8, Mar–Apr 76

Thiamine-induced reversible deficiency in respiratory activity of Saccharomyces carlsbergensis: respiratory adaptation caused by pyridoxine. Nakamura I, et al. **FEBS Lett** 62(3):354–8, 1 Mar 76

Ultracytochemical studies on the effects of thiamine and thiamine tetrahydrofurfuryl activity in guinea pig atria. Ogawa K, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):71–8, 1976

Ultracytochemical studies on the effects of thiamine and thiamine tetrahydrofurfuryl disulfide on acetylcholinesterase activity in guinea pig atria. Ogawa K, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):71–8, 1976

Morphological study of the thymus of Jensen tumor-bearing rats after tumoral, non-tumoral antigens and thiamine diphosphate administration. Dumitrescu L, et al. **Morphol Embryol (Bucur)** 22(2):123–30, Apr–Jun 76 (Eng. Abstr.)

Influence of the oral contraceptive, menstranol, on drug-metabolizing enzymes of female rats in thiamin-supplemented and deficiency states. Wade AE, et al. **Pharmacology** 14(2):104–14, 1976

[Karyometric studies of the pancreas and adrenal glands of the albino-rat fed an unbalanced glucose diet or a glucose diet supplemented with thiamine] Hildebrand R. **Anat Anz** 137(3):187–95, 1975 (Eng. Abstr.) **(Ger)**

[The influence of thiamin on the physiology of the thiamin-autotrophic Serratia marcescens (author's transl)] Schmidt OR, et al. **Zentralbl Bakteriol [Naturwiss]** 130(6):533–40, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Effects of thiamine and its derivatives on acetylcholine release from the intestinal tract] Yagasaki O, et al. **Jpn Arch Intern Med** 11(4):285–6, Dec 75 **(Jpn)**

[Effect of B1, B2 and B6 vitamins on gastro-pancreatic enzymes (author's transl)] Procianoy G, et al. **Rev Bras Pesqui Med Biol** 8(3–4):275–8, May–Aug 75 **(Por)**

[Effect of thiamine, riboflavin and ascorbic acid on tetracycline, erythromycin and levomycetin activity] Velizhenko GG. **Antibiotiki** 20(7):610–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of thiamine bromide on cerebral circulation and arterial pressure (an experimental and clinical study)] Romanova EV, et al. **Farmakol Toksikol** 39(2):173–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Variety of effects of vitamins on yeast cells in aerobic conditions] Makarova EN. **Mikrobiologiia** 44(6):1025–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of massive doses of vitamin B1 on some mechanisms of natural immunity] Pletsityi DF, et al. **Patol Fiziol Eksp Ter** (3):67–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Glycoproteins in rat blood serum and tissues and thiamine saturation of the body] Rodionov IA. **Vopr Med Khim** 21(3):245–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of vitamins C, B1, and B6 on the diurnal periodicity of the glucocorticoid function of the adrenal cortex in patients with atherosclerotic cardiosclerosis] Shelygina NM, et al. **Vopr Pitan** (2):25–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

STANDARDS

[Check of single dosage in drug quality control corresponding to the Content Uniformity Test (USP XVIII) by direct quantitative analysis using thin layer chromatography. 4. Check of preparations with vitamin B1 and B6 as well as the hormones prednisolone and ethinylestradiol as active ingrediants] Kammerl E, et al. **Pharm Acta Helv** 50(9):269–74, 1975 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Bilateral ptosis as a sign of thiamine deficiency in childhood. Response to corrective therapy is rapid. Varavithya W, et al. **Clin Pediatr (Phila)** 14(11):1063–5, Nov 75

Hyperalaninemia hyperpyruvicemia and lactic acidosis due to pyruvate carboxylase deficiency of the liver; treatment with thiamine and lipoic acid. Maesaka H, et al. **Eur J Pediatr** 122(2):159–68, 4 May 76

[Management of postoperative pain using Dolo-Neurotrat-doubele-blind study] Albrecht G, et al. **Fortschr Med** 93(24):1123–4, 28 Aug 75 **(Ger)**

[Neurotropic vitamins in rheumatic diseases] Engel P. **Fortschr Med** 93(34):1745–7, 4 Dec 75 **(Ger)**

[The potassium-neutral venodiuretic drug Dehydro sanol tri. Report on the experiences with a new principle for the treatment of leg disorders of venous origin] Oesterheld G. **Med Welt** 26(37):1679–82, 12 Sep 75 **(Ger)**

[Current management of anesthesia and intensive therapy of expansive processes with intracranial hypertension] Arseni C, et al. **Rev Chir [Chir]** 25(3):217–21, May–Jun 76 (Eng. Abstr.) **(Rum)**

[Attempted pathogenetic therapy of chronic degenerative arthritis] Russu G, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):191–5, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

URINE

[Method of determination of thiamine compounds in urine for the diagnosis of neoplasms] Bliumkina VM, et al. **Lab Delo** (7):411–4, 1975 **(Rus)**

THIAMINE DEFICIENCY

Effects of some nutritional deficiencies on parturition in rats. Apgar J. **J Nutr** 105(12):1553–61, Dec 75

Thiaminases and their effects on animals. Evans WC. **Vitam Horm** 33:467–504, 1975 (141 ref.)

[Vitamin B 1, B 2 and B 6 deficiency in aged patients] Hoorn RK, et al. **Ned Tijdschr Geneeskd** 120(20):873–7, 15 May 76 (Eng. Abstr.) **(Dut)**

[Light- and electron microscopy studies of structural changes within the exo- and endocrine pancreas of the albino rat in 2–, 3–, 4–, and 6-week-long B1-avitaminosis] Faller A. **Verh Anat Ges** 68:621–39, 1974 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Pyrithiamine-induced thiamine deficiency: effects on rat myelination. McCandless DW, et al. **Int J Vitam Nutr Res** 46(1):24–32, 1976

COMPLICATIONS

Is calcium deficiency related to thiamine-dependent neuropathy in pigeon? Itokawa Y. **Brain Res** 94(3):475–84, 5 Sep 75

Letter: Down's syndrome, leukaemia and maternal thiamine deficiency. Reading C. **Med J Aust** 1(14):505, 3 Apr 76

Protective effect of coexistent thiamine deficiency upon the experimental cardiomyopathy associated with acute magnesium deficiency in the Syrian golden hamster. Hirota Y, et al. **Recent Adv Stud Cardiac Struct Metab** 10:695–706, 1975

Effects of thiamin status and diving on enzyme and metabolite levels in the rat. Frattali V, et al. **Undersea Biomed Res** 2(2):89–100, Jun 75

[Biochemical assessment of the state of thiamine nutrition in patients with neuroses] Gontea I, et al. **Physiologie** 12(1):3–7, 1975 **(Fre)**

[Thiamine deficit in acute alcoholic psychoses] Mileĭkovskiĭ IuA. **Zh Nevropatol Psikhiatr** 76(7):1074–9, 1976 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Early signs of thiamine deficiency. Somogyi JC. **Bibl Nutr Dieta** (23):78–85, 1976

Biochemical assessment of vitamin nutritional status and inter-relationship between vitamins. Bamji MS. **Indian J Med Res** 63(3):444–56, Mar 75

DRUG THERAPY

Bilateral ptosis as a sign of thiamine deficiency in childhood. Response to corrective therapy is rapid. Varavithya W, et al. **Clin Pediatr (Phila)** 14(11):1063–5, Nov 75

Reversible impairment of cerebral DNA synthesis in diet-induced thiamine deficiency. pp. 273–81. Henderson GI, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

ENZYMOLOGY

Physiological studies on the effects of nutritional imbalance on the central nervous system. II. Effects of thiamine deficiency on oxidative enzymes in the brain of chicken, Gallus domesticus. Nalini UP, et al. **Experientia** 32(2):198–9, 15 Feb 76

Effect of simultaneous thiamin and riboflavin deficiencies on the determination of transketolase and glutathione reductase. Vo-Khactu KP, et al. **J Lab Clin Med** 87(5):741–8, May 76

Lactate dehydrogenase and isoenzyme changes in rats with experimental thiamine deficiency. Hirota Y, et al. **Metabolism** 25(1):1–8, Jan 76

Influence of the oral contraceptive, menstranol, on drug-metabolizing enzymes of female rats in thiamin-supplemented and deficiency states. Wade AE, et al. **Pharmacology** 14(2):104–14, 1976

[The transketolase activity in erythrocytes as a criterion for thiamine balance in the body] Boston LY. **Vopr Med Khim** 21(4):339–43, Jul–Aug 75 (41 ref.) (Eng. Abstr.) **(Rus)**

[Comparative evaluation of 2 methods for the determination of pyruvate dehydrogenase activity in tissues in avitaminosis B 1 induced by various methods] Gorenstein BI, et al. **Vopr Med Khim** 21(3):328–31, May–Jun 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Metabolic investigations after xylitol infusion in human subjects. Hauschildt S, et al. **Am J Clin Nutr** 29(3):258–73, Mar 76

Wernicke encephalopathy following prolonged artificial nutrition. Blennow G. **Am J Dis Child** 129(12):1456, Dec 75

Letter: Thiamine in vegetarian diets. Long A. **Br Med J** 2(6026):47, 3 Jul 76

[Malabsorption and vitamin B1 deficiency in familial acrodystrophic neuropathies (author's transl)] Partsch H, et al. **Wien Klin Wochenschr** 88(12):391–3, 11 Jun 76 (Eng. Abstr.) **(Ita)**

[Vitamin B1 requirement in patients with brain tumors in the pre- and postoperative period] Shevaga VN. **Vrach Delo** (6):102–4, Jun 74 (Eng. Abstr.) **(Rus)**

METABOLISM

Conversion of [U-14C]threonine into 14C-labelled amino acids in the brain of thiamin-deficient rats. Gaitonde MK. **Biochem J** 150(2):285–95, Aug 75

Thiamine deficiency and the hepatic pentose phosphate cycle. McCandless DW, et al. **Biochem Med** 14(4):384–90, Dec 75

Thiamine transport in thiamine-deficient rats. Role of the unstirred water layer. Hoyumpa AM Jr, et al. **Biochim Biophys Acta** 436(2):438–47, 17 Jun 76

Calcium deficiency as related to thiamine-dependent neuropathy in pigeons. pp. 245–59. Itokawa Y, et al. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.**

Studies on renal gluconeogenesis and some key gluconeogenic enzymes in thiamine-deficient rats. Ramakrishnan S, et al. **Indian J Biochem Biophys** 12(1):28–30, Mar 75

Hepatic drug metabolism and lipid peroxidation in thiamine deficient rats. Galdhar NR, et al. **Int J Vitam Nutr Res** 46(1):14–23, 1976

Oxalate excretion during carbohydrate infusions. Thomas DW, et al. **Int J Vitam Nutr Res** (15):181–92, 1976

Thiamin deficiency and the pentose phosphate cycle in rats: intracerebral mechanisms. McCandless DW, et al. **J Nutr** 106(8):1144–51, Aug 76

The influence of thiamine deficiency on porphyrin synthesis and porphyrin proteins. Hauschildt S. **J Nutr Sci Vitaminol (Tokyo)** 21(6):403–10, 1975

Effect of polychlorinated biphenyls and thiamin deficiency on liver metabolism in growing rats. Berdanier CD, et al. **J Toxicol Environ Health** 1(1):91–105, Sep 75

Glycolytic metabolism in cultured cells of the nervous system. III. The effects of thiamine deficiency and pyrithiamine on the C-6 glioma and C-1300 neuroblastoma cell lines. Schwartz JP, et al. **Mol Cell Biochem** 9(2):73–8, 14 Nov 75

Adenine nucleotides in thiamine deficient rat brain. McCandless DW, et al. **Res Commun Chem Pathol Pharmacol** 14(3):579–82, Jul 76

[Glycoproteins in rat blood serum and tissues and thiamine saturation of the body] Rodionov IA. **Vopr Med Khim** 21(3):245–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Recent information on thiamine nutritional status in selected countries. pp. 143–54. Brin M. **In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.** (42 ref.)

PATHOLOGY

Experimental thiamine deficiency. Neuropathic and mitochondrial changes induced in rat muscle. Kark RA, et al. **Arch Neurol** 32(12):818–25, Dec 75

PHYSIOPATHOLOGY

Initial process formation on neuroblastoma cells with glia

cells in thiamine-deficient medium. pp. 369–77. Nakazawa T, et al.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.

VETERINARY

Observations of possible thiaminase activity in scallop viscera fed in broiler diets. Case report. Bryan TA, et al.
Poult Sci 54(4):1299–1301, Jul 75

THIAMINE PYROPHOSPHATASE see under **PYROPHOSPHATASES**

THIAMINE PYROPHOSPHATE

Pyruvate decarboxylase III. Specificity restrictions for thiamine pyrophosphate in the protein association step, sub-unit structure. Gounaris AD, et al.
Biochim Biophys Acta 405(2):492–9, 20 Oct 75

Branched-chain alpha-ketoacid dehydrogenases. pp. 45–55. Connelly JL, et al.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t. (16 ref.)

ANALOGS & DERIVATIVES

Formation of pyrithiamine pyrophosphate in brain tissue. Iwashima A, et al. **J Biochem (Tokyo)** 79(4):845–7, Apr 76

Transition state analogs for thiamin pyrophosphate-dependent enzymes. Gutowski JA, et al. **J Biol Chem** 251(9):2863–6, 10 May 76

BIOSYNTHESIS

Uptake of thiamine tetrahydrofurfuryl disulfide and thiamine thiazole in Escherichia coli and the relationship to thiamine diphosphate biosynthesis. pp. 95–104. Kawasaki T, et al.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t. (18 ref.)

Pathway of thiamine pyrophosphate synthesis in Micrococcus denitrificans. Sanemori H, et al.
J Bacteriol 126(3):1030–6, Jun 76

DIAGNOSTIC USE

Evaluation of methods of coenzyme activation of erythrocyte enzymes for detection of deficiency of vitamins B1, B2, and B6. Bayoumi RA, et al. **Clin Chem** 22(3):327–35, Mar 76

ISOLATION & PURIFICATION

[Preparative separation of thiamine di- and triphosphates by ion-exchange chromatography] Rybina AO, et al.
Ukr Biokhim Zh 47(3):385–8, May-Jun 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Thiamine triphosphatase activity of myosin and accelerating effect of thiamine di- and tri-phosphates on superprecipitation of actomyosin. Murai A, et al.
J Nutr Sci Vitaminol (Tokyo) 21(3):169–81, 1975

[Isolation and basic properties of thiamine pyrophosphokinase from brewing yeast] Voskoboev AI, et al.
Prikl Biokhim Mikrobiol 11(2):230–6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[The adrenal cortex and thiamine. Corticosteroid control of enzymatic dephosphorylation of thiamine diphosphate] Vinogradov VV, et al. **Vopr Pitan** (2):15–7, Mar-Apr 76 **(Rus)**

PHARMACODYNAMICS

Purification and properties of sulfoacetaldehyde sulfo-lyase, a thiamine pyrophosphate-dependent enzyme forming sulfite and acetate. Kondo H, et al. **J Biochem (Tokyo)** 78(2):317–25, Aug 75

Morphological study of rat thymus after tumoral, non-tumoral antigens and thiamine pyrophosphate administration. Duțu R, et al. **Morphol Embryol (Bucur)** 21(2):139–43, 1975

[Effect of cocarboxylase on hyperlactatemia and hyperpyruvicemia induced by phenformin in dogs] Valette G, et al. **C R Soc Biol (Paris)** 169(1):121–5, 1975 (Eng. Abstr.) **(Fre)**

[Suppression of thiamine uptake in coli-form bacteria by thiamine phosphate ester] Nishimune T, et al.
Jpn J Bacteriol 30(1):137, Jan 75 **(Jpn)**

[Effect of ATP and cocarboxylase on the activity of malate dehydrogenase and its isoenzymes in the blood serum and myocardium] Nosova IM. **Biull Eksp Biol Med** 80(8):48–50, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of temperature on the hydrolytic breakdown of cocarboxylase hydrochloride] Koval'chuk TV, et al.
Farmatsiia 24(4):63–5, Jul-Aug 75 **(Rus)**

[Effect on cocarboxylase on the state of blood coagulation system and fibrinolysis in experimental studies] Fedorov II, et al. **Vrach Delo** (6):71–3, Jun 74 **(Rus)**

[Study of the stability of cocarboxylase hydrochloride] Koval'chuk TV, et al. **Farm Zh** 30(3):38–42, 1975 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

[Analgesic effect of a polyvitamin B complex in African pathology] Dumas M, et al.
Bull Soc Med Afr Noire Lang Fr 20(3):309–14, 1975 (Eng. Abstr.) **(Fre)**

THIAMINE TETRAHYDROFURFURYL DISULFIDE see under **PYRIMIDINES**

THIAMPHENICOL see under **ANTIBIOTICS**

THIAMYLAL

Influence of pancuronium or d-tubocurarine on circulatory responses during thiamylal-N2O-halothane anesthesia. Stoelting RK. **Anesth Analg (Cleve)** 55(4):485–8, Jul-Aug 76

Tetrahydroaminoacridine (THA). I. Effect on postanesthetic emergence responses and anesthesia sleep-time after ketamine, phencyclidine and thiamylal in animals. pp. 143–6. Albin MS, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

ADVERSE EFFECTS

Effects of xylazine and acetylpromazine upon induced ventricular fibrillation in dogs anesthetized with thiamylal and halothane. Muir WW, et al. **Am J Vet Res** 36(9):1299–1303, Sep 75

Arrhythmias in dogs associated with epinephrine and thiamylal anesthesia. Muir WW, et al. **Am J Vet Res** 36(9):1291–7, Sep 75

Letter: Letter: Arrhythmogenic properties of thiamylal sodium in the dog. Evans AT, et al.
J Am Vet Med Assoc 168(8):668, 15 Apr 76

Letter: Safety of thiamylal sodium. Muir WW.
J Am Vet Med Assoc 168(11):974–80, 1 Jun 76

Arrhythmogenic properties of thiamylal sodium in the dog. Musselman EE. **J Am Vet Med Assoc** 168(2):145–8, 15 Jan 76

[Hypersensitive reaction to thiamylal] Doi S, et al.
Jpn J Anesthesiol 24(7):743–8, Jul 75 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Circulatory changes during anesthetic induction: impact of d-tubocurarine pretreatment, thiamylal, succinylcholine, laryngoscopy, and tracheal lidocaine. Stoelting RK, et al. **Anesth Analg (Cleve)** 55(1):77–81, Jan-Feb 76

Circulatory changes in patients with coronary artery disease following thiamylal-succinylcholine and tracheal intubation. Stoelting RK, et al. **Anesth Analg (Cleve)** 55(2):232–4, Mar-Apr 76

Inhibition by six somatostatin analogs of plasma growth hormone levels stimulated by thiamylal and morphine in the rat. Ferland L, et al. **Mol Cell Endocrinol** 4(2):79–88, Jan 76

Effects of change in frequency of stimulation on myocardial depression produced by thiamylal and halothane. Iwatsuki N, et al. **Tohoku J Exp Med** 117(2):119–24, Oct 75

Effects of change in concentration of calcium on myocardial contractility depressed by thiamylal and halothane. Iwatsuki N, et al. **Tohoku J Exp Med** 120(1):1–9, Sep 76

The interrelationships of hormones/steroids and ultrashort-acting barbiturates. Short CE, et al.
Vet Med Small Anim Clin 71(6):746–53, Jun 76

[Effects of intravenous anesthetics on pre-ejection period (PEP) and left ventricular ejection time (LVET). Comparative evaluation of propanidid, ketamine, Ct-1341 and thiamylal] Kennotsu O, et al. **Jpn J Anesthesiol** 24(9):860–5, Sep 75 (Eng. Abstr.) **(Jpn)**

THIAZEPINES

PHARMACODYNAMICS

[Effects of benzothiazepine derivative (CRD-401) on blood pressure, excretion of electrolytes and plasma renin activity] Funyu T, et al. **Jpn J Nephrol** 16(5):529–36, May 74 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

A double-blind evaluation of metiapine in hospitalized acute schizophrenics. Kramer M, et al. **Curr Ther Res** 18(6):839–48, Dec 75

THIAZINES

A clinical comparison of CT1341, ketamine, and xylazine in cats. Haskins SC, et al. **Am J Vet Res** 36(10):1537–43, Oct 75

Evaluation of xylazine as a sedative and preanesthetic agent in horses. McCashin FB, et al. **Am J Vet Res** 36(10):1421–9, Oct 75

Xylazine as an immobilizing agent for captive white-tailed deer. Roughton RD. **J Am Vet Med Assoc** 167(7):574–6, 1 Oct 75

Chemistry of the dihydrothiazine ring moiety of cephalosporins. 1. Regiospecificity and stereoselectivity in the bromine addition to 2-cephem derivatives. A new route to 2-methoxy cephalosporins. Balsamo A, et al.
J Org Chem 41(12):2150–3, 11 Jun 76

Photochemical investigations of oxazine, thiazine and selenazine dyes. The reactivity of protolytic triplet forms in electron transfer reactions. Vogelmann E, et al.
Photochem Photobiol 23(6):383–90, Jun 76

A clinical evaluation of xylazine and ketamine HCL for cesarean section in the dog. Navarro JA, et al.
Vet Med Small Anim Clin 70(9):1075–9, Sep 75

[1,3-Thiazines. IV. The constitution of the reaction products of 2-thioxo-4-oxo- and 2,4-dioxotetrahydro-1,3-thiazines with alkoxides] Hanefeld W. **Arch Pharm (Weinheim)** 308(6):450–5, Jun 75 (Eng. Abstr.) **(Ger)**

[Gereral anesthesia in cats using Ketamine-Xylazine] Fritsch R, et al. **Berl Munch Tieraerztl Wochenschr** 88(15):284–6, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Use of rompun on breeding bulls] Burdeniuk AF, et al.
Veterinariia (10):95–6, Oct 75 **(Rus)**

ADVERSE EFFECTS

[Studies on Afungin hypersensitivity] Würbach VG, et al.
Dermatol Monatsschr 162(4):317–22, Apr 76 (Eng. Abstr.) **(Ger)**

[Metrorrhagia on aldadien with butocin administration] Daněková H, et al. **Cas Lek Cesk** 115(18):561–2, 7 May 76 (Eng. Abstr.) **(Slo)**

ANALYSIS

[Dimethylthionine, a new dye for histology and histochemistry] Wittekind D, et al. **Verh Anat Ges** 68:729–31, 1974 **(Ger)**

BLOOD

Gas-liquid chromatographic determination of sulthiame in human plasma. Hackett LP, et al. **Clin Chim Acta** 66(3):443–7, 2 Feb 76

CHEMICAL SYNTHESIS

Synthesis and neuroleptic activity of isomeric thieno(1,4)benzothiazines. Grol CJ, et al. **J Med Chem** 18(8):857–61, Aug 75

[Transformation of 2-thiocyanato-4-thioxo-3,1-benzothiazine to bis[4-thioxo-3,1-benzothazinyl-(2)]sulfide and -disulfide] Leistner S, et al. **Pharmazie** 30(8):542–3, Aug 75 **(Ger)**

[Research on substances with psychotropic activity. IV. Synthesis of 2,3-diphenyl-4-methyl-4H-1,4-benzothiazin-1,1-dioxide by thermal cyclization of N-(2-desylsolfonylphenyl) glycine] Filacchioni G, et al. **Farmaco [Sci]** 31(7):478–88, Jul 76 (Eng. Abstr.) **(Ita)**

METABOLISM

Metabolism of a benzothiazine compound (SQ 11,579) by the intact rat, isolated perfused rat liver, and rat-liver microsomes. Lan SJ, et al. **Xenobiotica** 6(3):171–83, Mar 76

[The kinetics of accumulation and elimination of the antitumor preparation tomizine-35 S] Korolev GK.
Vopr Onkol 21(11):50–6, 1975 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of xylazine and acetylpromazine upon induced ventricular fibrillation in dogs anesthetized with thiamylal and halothane. Muir WW, et al. **Am J Vet Res** 36(9):1299–1303, Sep 75

The effect of dazomet on salmonellas on artificially contaminated eggs. Peel B, et al. **Aust Vet J** 52(5):220–3, May 76

Interaction of sudoxicam and aspirin in animals and man. Wiseman EH, et al. **Clin Pharmacol Ther** 18(4):441–8, Oct 75

Facilitation of synaptic transmission by thiazides and congeners. Montoya G, et al. **Proc West Pharmacol Soc** 18:212–6, 1975

[Non-specific pharmacodynamic action of delazin (romthiazin), in long-term treatment, on the genital tract] Simionescu S, et al. **Physiologie** 13(2):121–6, Apr-Jun 76 **(Fre)**

[The fungitoxicity of oxo- and thioxo-tetrahydro-1,3-thiazines (author's transl)] Hanefeld W. **Arch Pharm (Weinheim)** 309(3):161–73, Mar 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The use of sulthiame- in myoclonic epilepsy of childhood and adolescence. Lerman P, et al.
Acta Neurol Scand [Suppl] Suppl 60:7–12, 1975

Hyperacute renal allograft rejection in the primate. Therapeutic limitations of antiplatelet agents alone and combined with heparin. Colman RW, et al.
Am J Pathol 82(01):25–42, Jan 76

Letter: Sulthiame in the management of psychiatric patients. Bennie EH, et al. **Br J Psychiatry** 128:511–2, May 76

Inhibition of plaque growth with taurolin, vantocil and amine fluoride. Mühlemann HR, et al. **Helv Odontol Acta** 19(2):57–60, Oct 75

[Tomizine--a new inhibitor of folate metabolism enzymes possessing an antitumor activity] Sokolova AS, et al.
Vopr Onkol 21(11):45–50, 1975 (Eng. Abstr.) **(Rus)**

THIAZOLES

An evaluation of the 3-methyl-2-benzothiazolinone hydrazone method for the determination of phenols in water and waste waters. Gales ME Jr. **Analyst** 100(1197):841-7, Dec 75

The steady-state kinetics of peroxidase with 2,2'-azino-di-(3-ethyl-benzthiazoline-6-sulphonic acid) as chromogen. Childs RE, et al. **Biochem J** 145(1):93-103, Jan 75

Correlation between electronic indices from molecular orbital calculations and antiradiation activity of thiazolidines. Tipnis HP, et al. **Experientia** suppl 23:171-5, 1976

Biochemical changes in thiamine deficiencies. pp. 121-41. Gubler CJ.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t. (16 ref.)

Fate of microbicidal 3-isothiazolone compounds in the environment: modes and rates of dissipation. Krzeminski SF, et al. **J Agric Food Chem** 23(6):1060-8, Nov-Dec 75

Fate of microbicidal 3-isothiazolone compounds in the environment: products of degradation. Krzeminski SF, et al. **J Agric Food Chem** 23(6):1068-75, Nov-Dec 75

Theoretical calculations on thiamine and related compounds. II. Conformational analysis and electronic properties of 2-(alpha-hydroxyethyl)thiamine. Jordan F.
J Am Chem Soc 98(3):808-13, 4 Feb 76

Improved conversion of thiazolinones to phenylthiohydantoins during amino acid sequence analysis. Inglis AS. **J Chromatogr** 123(2):482-5, 4 Aug 76

Antimalarials V: aminobenzothiazoles. Atkinson ER, et al. **J Pharm Sci** 65(4):618-20, Apr 76

Synthesis of substituted thiobenzoxazoles/benzothiazoles: inhibition of cellular respiratory and monoamine oxidase activities and anticonvulsant property. Misra RS, et al. **J Pharm Sci** 65(3):405-8, Mar 76

Letter: Re: failure of ascorbic acid to inhibit FANFT-induced bladder cancer. Schlegel JU. **J Urol** 115(2):223-4, Feb 76

Experimental bladder tumor induction, propagation, and therapy. Williams PD, et al. **Urology** 8(1):39-42, Jul 76

[The reaction of 3-hydroxy-4-pyrones with azido-pyridinium- and -benzthiazolium-salts (author's transl)] Eiden F, et al. **Arch Pharm (Weinheim)** 308(6):465-70, Jun 75 **(Ger)**

[Substitution of the carboxylic group by bromine in the series of 2-aryl-4-R-5-carboxythiazoles (author's transl)] Simiti I, et al. **Arch Pharm (Weinheim)** 309(2):128-30, Feb 76 **(Ger)**

[Studies on benzothiazoline derivatives. I. Syntheses of 2-aryl-3-methylbenzothiazolines and their oxidative ring-opening reactions (author's transl)] Hori M, et al. **J Pharm Soc Jpn** 95(6):634-40, Jun 75 (Eng. Abstr.) **(Jpn)**

[Rhodanine and its 3-substituted derivatives as reagents for the analysis of primary aromatic amines] Kvach AS. **Farm Zh** (5):41-4, Sep-Oct 75 (Eng. Abstr.) **(Ukr)**

ADMINISTRATION & DOSAGE

[2-mercaptobenzothiazole in the topical treatment of senile warts] Krauskopf J, et al. **Cesk Dermatol** 50(6):386-7, Dec 75 (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

[The allergenic effect of rubber accelerators tetramethyl thiuram disulfide (TMTD) and mercaptobenzothiazole (MBT)] Ziegler V, et al. **Allerg Immunol (Leipz)** 20-21(3):281-5, 1974-75 (Eng. Abstr.) **(Ger)**

[Functional changes in the body of workers engaged in production of nitron fibers] Mavrina EA, et al. **Vrach Delo** (6):129-31, Jun 74 (Eng. Abstr.) **(Rus)**

ANALYSIS

Fluorometric determination of ampicillin and aminobenzylpenicilloic acid in presence of pivampicillin in body fluids. Miyazaki K, et al.
Chem Pharm Bull (Tokyo) 23(1):178-83, Jan 75

Volatile sulfur compounds contributing to meat flavour. Part. I. Components identified in boiled meat. Garbusov V, et al. **Nahrung** 20(3):235-41, 1976

[Identification and determination of N-acetyl-4-thiazolidinecarboxylic acid] Lotti B.
Boll Chim Farm 114(1):30-4, Jan 75 (Eng. Abstr.) **(Ita)**

BLOOD

[Relations between the macrophage electrophoretic mobility test and the rhodanide level in patients with malignant tumors, autoaggression diseases and after transplantation] Jülich WD, et al. **Acta Biol Med Ger** 34(9):1541-7, 1975 **(Ger)**

CHEMICAL SYNTHESIS

Synthetic chemotherapeutic agents. I. Synthesis of 2-substituted thiazolo(5,4-f)quinoline derivatives. Dohmori R, et al. **Chem Pharm Bull (Tokyo)** 24(1):130-5, Jan 76

Synthetic chemotherapeutic agents. III Synthesis of 3-substituted thiazolo(5,4-f)quinoline derivatives. Kadoya S, et al. **Chem Pharm Bull (Tokyo)** 24(1):147-55, Jan 76

Synthetic chemotherapeutic agents. II. Synthesis of 2-substituted thiazolo(5,4-f)quinoline derivatives. Kadoya S, et al. **Chem Pharm Bull (Tokyo)** 24(1):136-46, Jan 76

Letter: Biogenetic-type synthesis of penicillin-cephalosporin antibiotics. II. An oxidative cyclization route to beta-lactam thiazoline derivatives. Nakatsuka SI, et al.
J Am Chem Soc 97(17):5010-2, 20 Aug 75

Syntheses of heterocylic fused thiazole acetic acids. 2. Bell SC, et al. **J Med Chem** 19(4):524-30, Apr 76

Novel pyrazolo, isoxazolo, and thiazolo steroidal systems and model analogs containing dimethyoxylaryl (or dihydroxylaryl) groups and derivatives. Synthesis, spectral properties, and biological activity. Hashem MM, et al.
J Med Chem 19(2):229-39, Feb 76

Antiprotozoal Thiazoles. 2-(5-Nitro-2-thienyl)thiazoles. Verge JP, et al. **J Med Chem** 18(8):794-7, Aug 75

[Reactivity and biological effect in the thiazole series. 1. A new synthesis of thiazole with the N-acylthioamides] Rüttinger HH, et al. **Pharmazie** 31(4):218-21, Apr 76 **(Ger)**

[Phthalimide derivatives of pyrimidine and thiazole heterocyclics] Cingolani GM, et al. **Farmaco [Sci]** 31(2):133-9, Feb 76 (Eng. Abstr.) **(Ita)**

[Synthesis and properties of beta, beta'-di-(4-thionthiazolidon-2-yl-3)-diethylsulfide and its derivatives] Soronovich II, et al. **Farm Zh** 30(3):13-6, 1975 (Eng. Abstr.) **(Ukr)**

[Synthesis and transformation of N4-substituted derivatives of thiazolidindion-2,4-thiosemicarbazone-4] Turkevich MM, et al. **Farm Zh** 31(3):77-8, May-Jun 76 **(Ukr)**

[Synthesis and properties of 1,3-di-(thiazolidinedion-2',4'-yl-3')-propane and its derivatives] Vladzimirskaia EV, et al. **Farm Zh** (5):32-4, Sep-Oct 75 (Eng. Abstr.) **(Ukr)**

[Synthesis and properties of bicyclic derivatives of thiazolidine] Vladzimirskaia EV, et al. **Farm Zh** (1):41-3, Jan-Feb 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

The biosynthesis of the thiazole moiety of thiamine in Salmonella Typhimurium. Bellion E, et al.
Biochim Biophys Acta 437(1):229-37, 23 Jun 76

Fateof methabenzthiazuron in the plant-soil system. Cheng HH, et al. **Environ Qual Saf [Suppl]** 3:271-6, 1975

Uptake of thiamine tetrahydrofurfuryl disulfide and thiamine thiazole in Escherichia coli and the relationship to thiamine diphosphate biosynthesis. pp. 95-104. Kawasaki T, et al.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t. (18 ref.)

The fate of benzothiazole-2-sulphonic acid in biologically treated industrial effluents. Mainprize J, et al.
J Appl Bacteriol 40(3):285-91, Jun 76

Formation of ethylenethiourea from 5,6-dihydro-3H-imidazo[2,1-c]-1,2,4-dithiazole-3-thione by microorganisms and reducing agents. Vonk JW, et al.
J Environ Sci Health [B] 11(1):33-7, 1976

PHARMACODYNAMICS

Histopathological and pharmacological studies on the action of a new anti-inflammatory agent (BR 700). Galimberti E, et al. **Arzneim Forsch** 26(3):392-9, 1976

Sidedness of the inhibitory action of disulfonic acids on chloride equilibrium exchange and net transport across the human erythrocyte membrane. Kaplan JH, et al.
FEBS Lett 62(2):182-5, 15 Feb 76

Antimicrobial agents. XXV. Antifungal activity of 2-aminobenzthiazol derivatives. Capek A, et al.
Folia Microbiol (Praha) 21(2):152-4, 1976

Antibacterial activity and mode of action of tioxic acid, a new antibacterial agent. pp. 525-33. Koga H, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Dehydrogenase and transketolase activity in the red blood cells of the animals treated with antivitamins B1 and PP. pp. 383-5. Ostrovsky Y, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

A study of anticonvulsant activity of N-substituted derivatives of succinimides, thiazolidinediones and their structural congeners. Das PK, et al. **Indian J Med Res** 63(2):286-301, Feb 75

CNS depressant activity of pyrimidylthiazolidones and their selective inhibition of NAD-dependent pyruvate oxidation. Chaudhary M, et al. **J Pharm Sci** 65(3):443-6, Mar 76

Combination of electron microscopy and the thioflavine S technique in studies of the spinal cord microvasculature. Dohrmann GJ, et al. **Microvasc Res** 10(2):228-33, Sep 75

Centrally induced hypotension by 2-(2,6-dichlorophenyl)-5,6-dihydroimidazo (2,1-b)-thiazole fumarate (compound 44-549). van Zwieten PA. **Pharmacology** 13(4):352-5, 1975

LD50 determination and hypotensive effect of 3-methyl-2-benzothiazolone hydrazone. Green MA, et al.
Toxicol Appl Pharmacol 36(1):201-4, Apr 76

[On respiratory stimulation by aminophenazol in global insufficiency due to chronic-obstructive diseases of the lungs (author's transl)] Bieber RJ. **Arzneim Forsch** 26(5):928-31, 1976 (Eng. Abstr.) **(Ger)**

[Experimental results with systematically synthetized substances for antiviral chemotherapy / 4th communication: The role of physical binding in the synthesis of antiviral chemotherapeutics and its influence on potential mutagenic effects (author's transl)] Liebig H, et al. **Arzneim Forsch** 25(11):1716-22, Nov 75 (Eng. Abstr.) **(Ger)**

[Spectrophotometric method of determining anesthesin based on the azorhodanine formation reaction] Kvach AS. **Farm Zh** (2):52-5, Mar-Apr 76 (Eng. Abstr.) **(Ukr)**

[Development of the optimal technology for 2-mercaptobenzothiazole tablets] Likhoded VA, et al. **Farm Zh** 30(3):63-6, 1975 **(Ukr)**

[Use of rhodanines for the identification and quantitative determination of folic acid. I] Svinchuk VS, et al. **Farm Zh** 30(6):51-4, Nov-Dec 75 (Eng. Abstr.) **(Ukr)**

[Antimicrobial effect of N-substituted heterocyclic derivatives of certain benzoquinolines] Kondratenko GP, et al. **Mikrobiol Zh** 37(1):119-21, Jan-Feb 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

The anti-inflammatory and analgesic effects of norvedan a novel, non-steroidal agent. Davies JE, et al.
Arch Int Pharmacodyn Ther 221(2):274-82, Jun 76

[Treatment of phlebopathies of the lower limbs with a new drug with anti-inflammatory, analgesic and antipyretic activity] Bagliani A, et al. **Ann Ital Chir** 47(5):467-74, 1975 **(Ita)**

[Anti-inflammatory and analgesic activity of 2,4-diphenyl-thiazol-5-hylacetic acid (Norvedan) in patients suffering from adnexal, uterine and utero-adnexal inflammations] Morandi C. **Arch Ostet Ginecol** 77(5):381-90, Sep-Oct 72 (Eng. Abstr.) **(Ita)**

[Pharmacological research on thiazolidine-carboxylic acid] Burberi S. **Boll Chim Farm** 114(11):659-62, Nov 75 (Eng. Abstr.) **(Ita)**

[Anti-inflammatory and analgesic activity of a new synthetic molecule: 2-phenyl-4-p-chlorophenyl-thiazole-5-yl-acetic acid] D'Atri G, et al. **Boll Chim Farm** 114(2):107-17, Feb 75 (Eng. Abstr.) **(Ita)**

[Treatment of Trichomonas vulvovaginitis with alpha-tenoyl-amino-2-nitro-5-thiazole and of mycoses with nystatin] Fortuna A. **Minerva Ginecol** 27(9):739-43, Sep 75 (Eng. Abstr.) **(Ita)**

TOXICITY

Effect of avitaminosis A and hypervitaminosis A on urinary bladder carcinogenicity of N-(4-(5-Nitro-2-furyl)-2-thiazolyl)formamide. Cohen SM, et al. **Cancer Res** 36(7 PT 1):2334-9, Jul 76

Enhancing effect of allopurinol on the induction of bladder cancer in rats by n-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide. Wang CY, et al. **Cancer Res** 36(5):1551-5, May 76

URINE

Conversion of benzylpenicillin to penicilloic acid in patients with chronic bronchial infections. Ingold A.
Chemotherapy 22(2):88-96, 1976

THIBENZOLE see **THIABENDAZOLE**

2-THIENYLALANINE see under **ALANINE**

THIETHYLPERAZINE

ADVERSE EFFECTS

Extrapyramidal reaction induced by thiethylperazine (torecan). Ahmad AR, et al. **JPMA** 25(6):129-30, Jun 75

Extrapyramidal reaction induced by thiethylperazine (torecan). Ahmad AR, et al. **JPMA** 25(6):129-30, Jun 75

[Acute dystonic reaction due to triethylperazine (torecan)] Cohen N, et al. **Harefuah** 90(1):20-1, 1 Jan 76 (Eng. Abstr.) **(Heb)**

THIGH

Contracture of the quadriceps muscle caused by injection. Chiu SS, et al. **Acta Orthop Belg** 41(3):306-15, May-Jun 75

Progressive contracture of the quadriceps in children. Hessels G, et al. **Acta Orthop Belg** 41(3):274-84, May-Jun 75

Review of the literature on quadriceps fibrosis and study of 11 cases. Hollaert P, et al. **Acta Orthop Belg** 41(3):255-8, May-Jun 75

Fibrosis and contracture of the quadriceps muscle in children. Theodorou SD. **Acta Orthop Belg** 41(3):285-98, May-Jun 75

Quadriceps contracture in infancy and childhood. Wrighton JD. **Acta Orthop Belg** 41(3):259-66, May-Jun 75

Femoral nerve compression syndrome with paresis of the quadriceps muscle caused by radiotherapy of malignant tumours. A report of four cases. Laurent LE.
Acta Orthop Scand 46(5):804-8, Nov 75

Femoral neuropathy and ischemic colitis associated with amyloidosis in hemodialysis patients. Biggers JA, et al.
Ann Surg 182(2):161-2, Aug 75

Malignant mesenchymoma. Case report with electron microscopic study. Klima M, et al. **Cancer** 36(3):1086-94, Sep 75

Giant synovial cyst of the calf and thigh in a patient with granulomatous synovitis. Iacono V, et al. **Clin Orthop** (115):220-4, Mar-Apr 76

The aerobic flora of the perivaginal area: its relation to contraception and deodorant sprays. Noble WC.
J Appl Bacteriol 41(1):137-42, Aug 76

Proceedings: Temperature changes generated by microwave therapy in the thighs of human subjects. Stevens A, et al. **J Microwave Power** 11(2):170–1, Jun 76

Malignant chondroid syringoma of the thigh. Report of a case with electron microscopy of the tumour. Webb JN, et al. **J Pathol** 116(1):43–6, May 75

Free gracilis muscle transplantation, with microneurovascular anastomoses for the treatment of facial paralysis. A preliminary report. Harii K, et al. **Plast Reconstr Surg** 57(2):133–43, Feb 76

The use of the 99mTc-pertechnetate neck/thigh ratio as a test of thyroid function. Selby JB, et al. **Radiology** 114(1):107–10, Jan 75

Thigh emphysema and hip pain secondary to gastrointestinal perforation. Nicell P, et al. **Surgery** 78(5):555–9, Nov 75

[Fibrosis of the quadriceps] Cañadell J, et al. **Acta Orthop Belg** 41(3):299–305, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Quadriceps retraction in children] Malek R, et al. **Acta Orthop Belg** 41(3):267–73, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Fibrosis of the quadriceps or the gluteal muscles in children. Radiographic signs in quadriceps fibrosis] Masse P. **Acta Orthop Belg** 41(3):316–22, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Osteosarcoma of the soft tissues] Giunti A, et al. **Chir Organi Mov** 62(5):577–8, 1975 **(Ita)**

[Radiation-induced sarcoma] Manes E, et al. **Chir Organi Mov** 62(5):579–82, 1975 (Eng. Abstr.) **(Ita)**

[2 cases of sarcoma developing at the site of fracture and metallic osteosynthesis] Witwicki T, et al. **Wiad Lek** 29(4):339–43, 15 Feb 76 (Eng. Abstr.) **(Pol)**

[The ultrastructure of human rhabdomyosarcomas] Chernina LA. **Vopr Onkol** 22(5):37–43, 1976 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

[Electromyocartography of the thigh. Attempt at a functional analysis of the locking of the knee against resistance] Brault JF, et al. **Bull Assoc Anat (Nancy)** 59(164):111–20, Mar 75 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Sciatic artery aneurysm: a case report including operative approach and review of the literature. Clark FA Jr, et al. **Am Surg** 42(1):13–6, Jan 76

The modified bovine heterograft in vascular access for chronic hemodialysis. Johnson JM, et al. **Ann Surg** 183(1):62–6, Jan 76

The diagnosis of aorto-iliac stenosis: a comparison of thigh pressure measurement and femoral artery flow velocity profile. Faris IB, et al. **J Cardiovasc Surg (Torino)** 16(6):597–602, Nov–Dec 75

[The bilateral cuff-shaped venous-congestion ossification in the thigh] Frössler H, et al. **God Zb Med Fak Skopje** 124(5):496–8, May 76 **(Ger)**

[Electromyographic changes in temporary tourniquet ischemia in man] Karpf M, et al. **Langenbecks Arch Chir** Suppl:377–81, 1975 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Enzyme activity patterns of energy supplying metabolism in the quadriceps femoris muscle (vastus lateralis): sedentary men and physically active men of different performance levels. Bass A, et al. **Pfluegers Arch** 361(2):169–73, 30 Jan 76

INJURIES

[Some typical signs of amputation stumps after injuries of the thigh (author's transl)] Hadraba I. **Acta Chir Orthop Traumatol Cech** 42(5):474–8, Oct 75 (Eng. Abstr.) **(Cze)**

[Case of stab wound of the thigh with damage of the jejunum] Rajcoomar PS. **Pol Przegl Chir** 47(8):1049–50, Aug 75 (Eng. Abstr.) **(Pol)**

INNERVATION

Comparative morphological remarks on the origin of the posterior femoral cutaneous nerve. Nakanishi T, et al. **Anat Anz** 139(1-2):760603–760610–2):8–23, 1976

Internal structure of the ilioinguinal nerve in postfetal life in man. Zaluska S. **Folia Morphol (Warsz)** 35(1):41–54, 1976

PATHOLOGY

[Gluteal fibrosis et fibrosis of the muscles of the thigh] Pipino F, et al. **Acta Orthop Belg** 41(3):323–32, May–Jun 75 (Eng. Abstr.) **(Fre)**

SURGERY

Complication after alloplastic thigh augmentation. Codega G, et al. **Polim Med** 4(2):153–6, 1974

Operations for the improvement of faecal incontinence. Brandesky G, et al. **Prog Pediatr Surg** 9:105–14, 1976

[Use of a suspended bipedicle crural flap in covering the ileofemoral vessels at the level of Scarpa's triangle] Carlin G, et al. **Ann Chir Plast** 21(1):43–8, 1976 (Eng. Abstr.) **(Fre)**

[Release of severe flexion contracture of the knee] Levy M. **Harefuah** 90(1):24, 1 Jan 76 (Eng. Abstr.) **(Heb)**

THIMEROSAL see under **ETHYL MERCURY**

COMPOUNDS

THINKING

The treatment of psychophysiological disorders and severe anxiety by behavior therapy, hypnosis and transcendental meditation. Daniels LK. **Am J Clin Hypn** 17(4):267–70, Apr 75

Psychosis, thought disorder, and regression. Adnreasen NC, et al. **Am J Psychiatry** 133(5):522–6, May 76

Meditation and consciousness: an Asian approach to mental health. Goleman D. **Am J Psychother** 30(1):41–54, Jan 76

Psychophysiological correlates of meditation. Woolfolk RL. **Arch Gen Psychiatry** 32(10):1326–33, Oct 75

Aphasia: language without thought or thought without language? Wepman JM. **ASHA** 18(3):131–6, Mar 76

Biofeedback and meditation in the treatment of psychiatric illnesses. Glueck BC, et al. **Compr Psychiatry** 16(4):303–21, Jul–Aug 75

EEG responses to photic stimulation in persons experienced at meditation. Williams P, et al. **Electroencephalogr Clin Neurophysiol** 39(5):519–22, Nov 75

Preliminary explorations of thinking in medicine. Cassell EJ. **Ethics Sci Med** 2(1):1–12, May 75

President's page. Medical vs. political thinking. Ingalls JM. **Ill Med J** 149(1):71, Jan 76

Constructive processes and the structure of human memory. pp. 190–203. Cofer CN, et al. **In: Cofer CN, ed. The structure of human memory. San Francisco, Freeman, 1976. BF 371 S927 1975.**

Attentional and affective concomitants of meditation: a cross-sectional study. Davidson RJ, et al. **J Abnorm Psychol** 85(2):235–8, Apr 76

Effect of irrational beliefs on emotional arousal. Goldfried MR, et al. **J Consult Clin Psychol** 43(4):504–10, Aug 75

Do depressed patients show thought disorder? Andreasen NC. **J Nerv Ment Dis** 163(3):186–92, Sep 76

A comparison of abstractive and nonabstractive deficits in schizophrenics and psychiatric controls. Watson CG, et al. **J Nerv Ment Dis** 163(3):193–9, Sep 76

The effect of transcendental meditation upon modifying the cigarette smoking habit. Ottens AJ. **J Sch Health** 45(10):577–83, Dec 75

Letter: TM and hypertension. Frankel BL. **Lancet** 1(7959):589, 13 Mar 76

Letter: TM and hypertension. Patel C. **Lancet** 1(7958):539, 6 Mar 76

Conceptual thinking and survival. Gooddy W, et al. **Med Hypotheses** 1(4):156–8, Jul–Aug 75

Notes of a biology-watcher. To err is human. Thomas L. **N Engl J Med** 294(2):99–100, 8 Jan 76

Transcendental Meditation and fine perceptual-motor skill. Williams LR, et al. **Percept Mot Skills** 43(1):303–9, Aug 76

Meditation as psychotherapy: a review of the literature. Smith JC. **Psychol Bull** 82(4):558–64, Jul 75 (30 ref.)

[Various basic principles and criteria of idea conferences as an instrument of management] Keck A. **Z Gesamte Hyg** 21(5):420–3, May 75 (Eng. Abstr.) **(Ger)**

[Epistemological analysis of clinical reasoning] Baldini M. **Med Secoli** 12(2):189–227, May–Aug 75 **(Ita)**

[Proceedings: Energy metabolism during meditation] Suzuki T. **J Physiol Soc Jpn** 36(8–9):389–90, 1 Sep 74 **(Jpn)**

PHYSIOLOGY

Uric acid and divergent thinking: a possible relationship. Kennett KF, et al. **Br J Psychol** 66(2):175–80, May 75

'Passive' thinking, a hypothesis. Tiedemann H. **Experientia** 32(8):1078–80, 15 Aug 76

Changes of cerebral oxygenation during motor and mental tasks. pp. 389–92. Cooper R, et al. **In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.**

Comparative biochemical studies on meditation. Udupa KN, et al. **Indian J Med Res** 63(12):1676–9, Dec 75

Sleep during Transcendental Meditation. Younger J, et al. **Percept Mot Skills** 40(3):953–4, Jun 75

The physiology of meditation and mystical states of consciousness. Davidson JM. **Perspect Biol Med** 19(3):345–79, Spring 76

Thinking by aphasics. Voinescu I, et al. **Rev Roum Med [Neurol Psychiatr]** 13(4):255–66, 1975

[Mentions and physical manifestations of thinking. Materialistic mechanism of mass processes in the cns] Kahuda F. **Cas Lek Cesk** 114(29):881–91, 18 Jul 75 (Eng. Abstr.) **(Cze)**

[The theory and method of experiments in psychotronics (author's transl)] Kahuda F. **Cas Lek Cesk** 115(22):654–61, 4 Jun 76 (Eng. Abstr.) **(Cze)**

[Measurement of the effects of mental energy (author's transl)] Kahuda F. **Cas Lek Cesk** 115(23):687–96, 11 Jun 76 (Eng. Abstr.) **(Cze)**

[Mentions and physical manifestations of thinking. Discussion contribution to the article with the same title by F. Kahuda. Cas.Lék.čes.114, 1975, No 29, p.881–91] Peregrin J. **Cas Lek Cesk** 115(7):220–1, 20 Feb 76 **(Cze)**

[A study on response of EEG during Zen meditation--alpha-blocking to name calling (author's transl)] Kinoshita K. **Psychiatr Neurol Jpn** 77(9):623–58, 25 Sep 75 **(Jpn)**

[An attempt at a neurophysiologic interpretation of intellect] [Rushkevych IeA. **Fiziol Zh** 21(3):394–9, May–Jun 75 **(Ukr)**

THINNESS

see related

EMACIATION

L-dopa, growth hormone and adipokinesis in the lean and the obese. Pinter EJ, et al. **Int J Clin Pharmacol Biopharm** 12(1–2):277–80, Jul 75

THIO-TEPA

Elimination of aziridine residues from chemosterilised mosquitoes. Sharma VP. **Nature** 261(5556):135, 13 May 76

[Mutagenic effect of thio-TEPA in laboratory mice. I. Chromosome aberrations in somatic and germ cells of male mice] Malashenko AM, et al. **Genetika** 10(1):71–9, Jan 74 (Eng. Abstr.) **(Rus)**

Mutagenic effect of thioTEPA in laboratory mice. V. Influence of female genotype on realization of dominant lethal mutations induced in the spermatids of males] Malashenko AM, et al. **Genetika** 11(1):105–11, 1975 (Eng. Abstr.) **(Rus)**

[Mutagenic effect of thio-TEPA in laboratory mice. II. Cytogenetic analysis of damage to bone marrow cells] Surkova NI, et al. **Genetika** 10(2):81–8, Feb 74 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

[Some thiophosphamide derivatives of berberine and their interaction with hydrogen chloride] Petlichnaia LI, et al. **Farm Zh** 30(6):40–3, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Observations of 1,1',1''-phosphinothioylidynetrisaziridine (thiotepa) in acidic and saline media. a'h-NMR study. Zon G, et al. **Biochem Pharmacol** 25(8):989–92, 15 Apr 76

METABOLISM

Permeability of the bladder mucosa to thiotepa, adriamycin, and daunomycin in men and rabbits. Pavone-Macaluso M, et al. **Urol Res** 4(1):9–13, 21 Apr 76

PHARMACODYNAMICS

Effects of thiotepa on the productivity of male Aedes aegypti. Esparza RJ, et al. **J Hered** 66(3):172–4, May–Jun 75

[Sterilizing effect of thiotepa (tris (1-aziridinyl) phosphine sulfide) on Musca domestcia L. at different ages] Balazs D, et al. **Arch Roum Pathol Exp Microbiol** 34(3):263–6, Jul 75 (Eng. Abstr.) **(Fre)**

[Inhibitory effect of thiotepa (tris (1-aziridinyl) phosphine sulfide) on the reproduction of Blattella germanica L] Enescu A, et al. **Arch Roum Pathol Exp Microbiol** 34(3):257–62, Jul 75 (Eng. Abstr.) **(Fre)**

[Effect of triethylenethiophosphoramid on the spermatozoa of rabbits] Nizhnikh GV, et al. **Arkh Anat Gistol Embriol** 69(8):96–101, Aug 75 (Eng. Abstr.) **(Rus)**

[The relationship between the cytogenetic effect of thiophosphamide in different concentrations and the temperature of human lymphocytes] Chebotarev AN. **Genetika** 10(9):147–53, 1975 (Eng. Abstr.) **(Rus)**

[Prolonged mutagenesis in a culture of human leukocytes] Dubinina LG. **Genetika** 10(11):129–37, Nov 74 (Eng. Abstr.) **(Rus)**

[The relationship between the cytogenetic action of thiophosphamide and the duration of human cell treatment] Kirichenko OP. **Genetika** 10(9):139–43, 1975 (Eng. Abstr.) **(Rus)**

[Relationship between the interval of time between application and the cytogenetic effect of combined x-rays and thio-TEPA in the cells of human embryos cultivated in vitro] Korotkikh IM, et al. **Genetika** 10(12):152–5, Dec 74 (Eng. Abstr.) **(Rus)**

[Changes in oxidative phosphorylation in mitochondria of rat liver after intrc-duction of thiophosphamide] Lytovchenko IM. **Ukr Biokhim Zh** 48(1):64–6, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Single dose intravesical thiotepa as an adjuvant to cystodiathermy in the treatment of transitional cell bladder carcinoma. Burnand KG, et al. **Br J Urol** 48(1):55–9, Feb 76

The effect of cancer chemotherapy on lysosomal enzymic activities (acid phosphatase) of Ehrlich ascites carcinoma cells. Todoruțiu C, et al. **Morphol Embryol (Bucur)** 21(3):219–26, 1975

Chemoprophylaxis of bladder cancer recurrence: immunological aspects. Corrado F, et al. **Panminerva Med** 17(7–8):253–8, Jul–Aug 75

[Local management of intrasphincteral anal condylomata using thiotepa] Knepper K. **Z Hautkr** 50(15):665–6, 1 Aug 75 **(Ger)**

[Ultrastructural changes in ovarian tumor cancer cells under the influence of preoperative chemotherapy] Ogorodnikova IS, et al. **Arkh Patol** 38(2):46–51, 1976 (Eng. Abstr.) **(Rus)**

[Chemotherapy of patients with recurring malignant tumors of the ovaries] Kotova DG, et al. **Vopr Onkol** 21(4):19–23, 1975 (Eng. Abstr.) **(Rus)**

[Chromosomal aberrations induced by thio-TEPA in cells of malignant ovarian tumors in humans] Neishtadt EL, et al. **Vopr Onkol** 21(7):48–53, 1975 (Eng. Abstr.) **(Rus)**

[Endolymphatic polychemotherapy of cancer of the ovaries] Pankov AK, et al. **Vopr Onkol** 21(4):55–7, 1975 **(Rus)**

[Thiophosphamide in the overall treatment of chronic pneumonia] Nemchinov NN. **Vrach Delo** (1):76–9, Jan 76 (Eng. Abstr.) **(Rus)**

TOXICITY

[Mathematical modeling of the relationship between the cytogenetic effect and the concentration of the mutagen] Chebotarev AN, et al. **Genetika** 10(8):150–7, 1975 (Eng. Abstr.) **(Rus)**

[The mutagenic effect of thio-TEPA in laboratory mice. III. A comparison of the effect of different doses in the generative and somatic cells of male mice] Malashenko AM, et al. **Genetika** 10(8):92–8, 1975 (Eng. Abstr.) **(Rus)**

[The mutagenic effect of thioTEPA in laboratory mice. V. The influence of female genotype on the realization of dominant lethal mutations induced in male spermatids] Malashenko AM, et al. **Genetika** 11(2):105–11, 1975 (Eng. Abstr.) **(Rus)**

[The mutagenic effect of thioTEPA in laboratory mice. IV. The influence of genotype and sex on the frequency of induced chromosome aberrations in bone marrow cells] Surkova NI, et al. **Genetika** 11(1):66–72, 1975 (Eng. Abstr.) **(Rus)**

THIOACETAMIDE see under **ACETAMIDES**

THIOAMIDES see under **AMIDES**

THIOBACILLUS

ANALYSIS

Purification and some properties of cytochrome c-552 from a sulfur-oxidizing bacterium, Thiobacillus thiooxidans. Takakuwa S. **J Biochem (Tokyo)** 78(1):181–5, Jul 75

CLASSIFICATION

[The systematic position of Thiobacillus trautweinii] Vainshtein MB. **Mikrobiologiia** 45(1):137–41, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibition of Thiobacillus ferrooxidans by soluble silver. Hoffman LE, et al. **Biotechnol Bioeng** 18(8):1161–5, Aug 76

Resistance of Thiobacillus novellus to mitomycin C and rifampicin. Chow CT. **Can J Microbiol** 22(2):301–3, Feb 76

Effect of mineral acids on iron bacteria. Barbić FF, et al. **Z Allg Mikrobiol** 15(5):307–13, 1975

ENZYMOLOGY

Alkaline phosphatase of Thiobacillus thioparus. Partial purification and properties of the enzyme. Galka M, et al. **Acta Biochim Pol** 23(1):13–26, 1976

Ribulose biophosphate carboxylase from Thiobacillus A2. Its purification and properties. Charles AM, et al. **Arch Microbiol** 108(2):195–202, Jun 76

Physical properties and metabolite regulation of ribulose bisphosphate carboxylase from Thiobacillus A2. Charles AM, et al. **Arch Microbiol** 108(2):203–9, Jun 76

Properties and regulation of ribulose diphosphate carboxylase from Thiobacillus novellus. McCarthy JT, et al. **Arch Microbiol** 105(1):51–9, 30 Sep 75

Sulfur metabolism in Thiobacillus denitrificans evidence for the presence of a sulfite reducatase activity. Schedel M, et al. **Arch Microbiol** 105(3):339–41, 7 Nov 75

Phosphoenolpyruvate carboxylase of Thiobacillus thioparus. I. General properties. Hoban DJ, et al. **Can J Biochem** 53(8):875–80, Aug 75

Enzymic comparisons of the inorganic sulfur metabolism in autotrophic and heterotrophic Thiobacillus ferrooxidans. Tuovinen PH, et al. **Can J Microbiol** 22(1):109–13, Jan 76

Kinetic behavior of a thermophilic enzyme in response to temperature perturbations. pp. 201–12. Middaugh CR, et al.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

D-Ribulose-1,5-bisphosphate carboxylase and polyhedral inclusion bodies in Thiobacillus intermedius. Purohit K, et al. **J Bacteriol** 127(1):516–22, Jul 76

Purification, quaternary structure, composition, and properties of D-ribulose-1,5-bisphosphate carboxylase from Thiobacillus intermedius. Purohit K, et al. **J Bacteriol** 127(1):505–15, Jul 76

The effect of temperature on ribose-5-phosphate isomerase from a mesophile, Thiobacillus thioparus, and a thermophile, Bacillus caldolyticus. Middaugh CR, et al. **J Biochem (Tokyo)** 79(6):1331–44, Jun 76

GROWTH & DEVELOPMENT

[Conservation and recultivation of vacuum-dried cells of Thiobacillus ferrooxidans] Goroll D. **Z Allg Mikrobiol** 15(5):377–8, 1975 **(Ger)**

ISOLATION & PURIFICATION

New medium for isolating iron-oxidizing and heterotrophic acidophilic bacteria from acid mine drainage. Manning HL. **Appl Microbiol** 30(6):1010–6, Dec 75

Nonautotrophic Thiobacillus in acid mine water. Myers PS, et al. **Appl Microbiol** 30(5):884–6, Nov 75

[Characteristics of sulfur bacteria from lakes of the Mari ASSR] Vainshtein MB. **Mikrobiologiia** 44(1):151–5, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Measurement of chemolithothrotrophic denitrifying and sulphate reducing bacteria in an experimental field] Vives J, et al. **Microbiol Esp** 28(1–2):69–74, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

METABOLISM

[Ferrous ion oxidation and uranium solubilization from a lowgrade ore by 'Thiobacillus ferrooxidans' (author's transl)] Guay R, et al. **Ann Microbiol (Paris)** 126(2):209–19, Sep 75 (Eng. Abstr.)

Microbiological oxidation of synthetic chalcocite and covellite by Thiobacillus ferrooxidans. Sakaguchi H, et al. **Appl Environ Microbiol** 31(1):7–10, Jan 76

Reduction of oxidized inorganic nitrogen compounds by a new strain of Thiobacillus denitrificans. Baldensperger J, et al. **Arch Microbiol** 103(1):31–6, 12 Mar 75

The uptake and assimilation of sulphate by Thiobacillus ferrooxidans. Tuovinen OH, et al. **Arch Microbiol** 105(2):123–7, 27 Oct 75

Microbiological leaching of a chalcopyrite concentrate by Thiobacillus ferrooxidans. Sakaguchi H, et al. **Biotechnol Bioeng** 18(8):1091–1101, Aug 76

Pyruvate inhibition of the carbon dioxide fixation of the strict chemolithotroph Thiobacillus thiooxidans. Butler RG. **Can J Microbiol** 21(12):2089–93, Dec 75

Inhibition of growth, iron, and sulfur oxidation in Thiobacillus ferrooxidans by simple organic compounds. Tuttle JH, et al. **Can J Microbiol** 22(5):719–30, May 76

The respiratory chain of Thiobacillus ferrooxidans: the reduction of cytochromes by Fe2+ and the preliminary characterization of rusticyanin a novel 'blue' copper protein. Cobley JG, et al. **FEBS Lett** 60(1):29–33, 1 Dec 75

[Degradation of sulfur compounds by pure cultures of Thiobacillus] Feldmann K, et al. **Z Allg Mikrobiol** 16(4):255–8, 1976 **(Ger)**

[Studies on bacterial leaching]? Someya J, et al. **Jpn J Bacteriol** 30(3):472–6, May 75 **(Jpn)**

ULTRASTRUCTURE

[Function of surface membrane structures in Thiobacillus thiooxidans] Pivovarova TA, et al. **Mikrobiologiia** 44(2):269–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

THIOBACILLUS THIOOXIDANS see under **THIOBACILLUS**

THIOBACTERIACEAE see under **GRAM-NEGATIVE CHEMOLITHOTROPHIC BACTERIA**

THIOBARBITURATES

Circular dichroism and carbon-13 nuclear magnetic resonance spectra of (S)-5-alkyl-5-(2'-pentyl)-2-thiobarbituric acids. Carroll FI, et al. **J Med Chem** 19(4):521–4, Apr 76

[Thiobarbiturate and peroxide numbers as an index of the state of frozen ocean mackerel] Bail'ozov D, et al. **Vet Med Nauki** 12(9):3–7, 1975 (Eng. Abstr.) **(Bul)**

[Polarographic behavior of thiobarbituric acid in aqueous solution (author's transl)] Sakamoto M, et al. **J Pharm Soc Jpn** 95(8):996–1001, Aug 75 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The effect on total renal and tubular function and plasma renin of a moderate isotonic saline load in rats anesthetized with amytal and inactin. Leyssac PP, et al. **Acta Physiol Scand** 94(4):472–83, Aug 75

Effects of anesthetic agents on autoregulation of renal hemodynamics in the rat and dog. Conger JD, et al. **Am J Physiol** 230(3):652–7, Mar 76

[Morphokinetic reactions in the adrenal gland of the albino rat after anaesthesia with inactin (author's transl)] Hildebrand R, et al. **Anaesthesist** 25(8):387–90, Aug 76 (Eng. Abstr.) **(Ger)**

THIOCARBAMATES

New developments in the chemistry and fate of ethylene-bisdithiocarbamate fungicides. Lyman WR, et al. **Environ Qual Saf [Suppl]** 3:67–74, 1975

Fate and persistence of thiram in plants and soils. pp. 137–48. Raghu K, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

[Effect of methyl parathion and zineb administration on the activity of some hepatic enzymes in rats] Albrecht R, et al. **Ann Nutr Aliment** 29(3):223–38, 1975 (Eng. Abstr.) **(Fre)**

[The demonstration of carbon disulfide in the urine as a biological test for workers exposed to thiram] Grunewald A. **Z Gesamte Hyg** 21(7):567–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Disinfection of the soil by means of carbathion in helminthoses of swine] Volkov FA. **Veterinariia** (12):28–9, Dec 75 **(Rus)**

ADMINISTRATION & DOSAGE

[Effect of different doses of tetramethylthiuram disulfide on the enzyme-forming function of the small intestine] Zakirov UB, et al. **Farmakol Toksikol** 39(2):199–203, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The effects of 1, 2, 3, 4, 10, 10-hexachloro-1, 4, 4a, 5, 8, 8a-hexahydroxy endo, exo-5, 8-dimethionaphthalene (aldrin) and sodium ethylenebisdithiocarbomate (nabam) on the chick. Kuzan FB, et al. **Poult Sci** 54(4):1054–64, Jul 75

[The allergenic effect of rubber accelerators tetramethyl thiuram disulfide (TMTD) and mercaptobenzothiazole (MBT)] Ziegler V, et al. **Allerg Immunol (Leipz)** 20–21(3):281–5, 1974–75 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Allergic contact sensitivity to thiuram compounds in a hemodialysis unit. Penneys NS, et al. **Arch Dermatol** 112(6):811–3, Jun 76

ANALYSIS

Analisys of herbicide thiocarbamates by gas chromatography. Ja BY, et al. **Arq Inst Biol (Sao Paulo)** 40(3):197–9, Jul–Sep 73

Analysis of residues of degradation products of ethylene-bis-dithiocarbamates. Engst R, et al. **Environ Qual Saf [Suppl]** 3:62–6, 1975

Mass spectra of sodium N-alkyl and N,N-dialkyl dithiocarbamates and some related compounds. Onuska FI, et al. **J Assoc Off Anal Chem** 59(3):622–32, May 76

A rapid method for the determination of manganese ethylenebisdithiocarbamate and its residues on grains. Rangaswamy JR, et al. **J Assoc Off Anal Chem** 58(6):1232–4, Nov 75

Photometric determination of dithiocarbamate residues by carbon disulphide evaluation method. Knapek R, et al. **Nahrung** 20(2):165–8, 1976

[Determination of tetramethylthiuram disulfide (TMTD) in water and air by a colorimetric method] Semukhina GV. **Gig Sanit** (2):74–5, Feb 75 **(Rus)**

METABOLISM

Behaviour of SN 41703 (prothiocarb) in soils and plants. Iwan J, et al. **Environ Qual Saf [Suppl]** 3:319–22, 1975

Studies on the metabolism of dialkyl dithiocarbamates. Nitsche I, et al. **Environ Qual Saf [Suppl]** 3:292–7, 1975

Decomposition of bisdithiocarbamates and metabolism by plants and microorganisms. Sijpesteijn AK, et al. **Environ Qual Saf [Suppl]** 3:57–61, 1975

The distribution of radioactivity in fruits after application of 14C-labelled Antracol, compared with the potential evolution of CS2. Vogeler K, et al. **Environ Qual Saf [Suppl]** 3:183–8, 1975

Transformation of bisdithiocarbamate fungicides and the chemical nature of their residues in plants. pp. 107–14. Vonk JW.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

Metabolism and residues of 3H- and 35S-labeled ferbam in sheep. Hunt LM, et al. **J Agric Food Chem** 24(3):670–2, May–Jun 76

Uptake of ethylenebis(dithiocarbamate) fungicides and ethylenethiourea by soybeans. Nash RG. **J Agric Food Chem** 24(3):596–601, May–Jun 76

Metabolism and disposition of ferbam in the rat. Hodgson JR, et al. **Toxicol Appl Pharmacol** 33(3):505–13, Sep 75

PHARMACODYNAMICS

Mechanism of the formation of megamitochondria induced by copper-chelating agents. III. Formation and some biochemical properties of megamitochondria induced by diethyldithiocarbamate (DDC). Asano M, et al. **Acta Pathol Jpn** 25(2):125–34, Mar 75

Ziram, a sulfhydryl reagent and specific inhibitor of yeast mitochondrial dehydrogenases. Briquet M, et al. **Arch Biochem Biophys** 174(2):684–94, Jun 75

A ziram-resistant strain of Saccharomyces cerevisiae with modified glycerokinase activity. Kreis M, et al. **Arch Int Physiol Biochim** 83(5):978–9, Dec 75

Tolciclate against dermatophytes. Carneri I, et al. **Arzneim Forsch** 26(5):769–72, 1976

Impairment of hepatic microsomal and plasma esterases of the rat by disulfiram and diethyldithiocarbamate. Zemaitis MA, et al. **Biochem Pharmacol** 25(4):453–9, 15 Feb 76

The effect of pesticides--the derivatives of carbamic, thio-, and dithiocarbamic acids on warm-blooded animals. Kundiev YI, et al. **Environ Qual Saf [Suppl]** 3:618–24, 1975

Effect of subacute oral administration of zinc ethylenebis(dithiocarbamate) on the thyroid galnd and adenohypophysis of the rat. Ivanova-Chemishanska L, et al. **Food Cosmet Toxicol** 13(4):115–7, Aug 75

In vivo inhibition of superoxide dismutase in mice by diethyldithiocarbamate. Heikkila RE, et al. **J Biol Chem** 241(7):2182–5, 10 Apr 76

Nuroaxonal degeneration induced by sodium

diethyldithiocarbamate in cultures of central nervous tissue. Kim SU, et al. **J Neuropathol Exp Neurol** 34(6):531–41, Nov 75

Environmental health aspects of fungicides. I. Dithiocarbamtes Fishbein L. **J Toxicol Environ Health** 1(5):713–35, May 76 (112 ref.)

Effects of diethyldithiocarbamate on the catabolism of tyrosine in the rat brain. Jarvis JA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(3):295–8, 16 Mar 76

Effect of dopamine-beta-hydroxylase inhibitors on thermoregulation in reserpine-treated rats. Ishii Y, et al. **Neuropharmacology** 15(6):359–62, Jun 76

The effect of some dithiocarbamic acids on dopamine-beta-hydroxylase and catecholamines level in rat's brain. Przewlocka B, et al. **Pol J Pharmacol Pharm** 27(5):555–9, Sep–Oct 75

Modulating influences of hormones and catecholamines on memory storage processes. McGaugh JL, et al. **Prog Brain Res** 42:151–62, 1975

[Energy metabolism in the liver of rats fed a diet contaminated with dithiocarbamates] Griffaton G, et al. **Ann Nutr Aliment** 29(2):103–16, 1975 (Eng. Abstr.) **(Fre)**

[Effects of diethyldithiocarbamate on the acute toxicity and the acetylcholinesterase inhibition by methylparathion in mice] Lange P, et al. **Acta Biol Med Ger** 34(3):427–33, 1975 (Eng. Abstr.) **(Ger)**

[Antimicrobial action of potential isothiocyanate forming substances 7th communication (author's transl)] Zsolnai T. **Arzneim Forsch** 25(9):1336–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Influence of tetramethylthiuramide sulfide on the exocrine function of the pancreas] Zakirov UB, et al. **Farmakol Toksikol** 39(1):56–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of carbathion on earthworms and helminth larvae] Volkov FA. **Veterinariia** (3):79–80, Mar 76 **(Rus)**

[Action of sodium diethyldithiocarbamate in Bacillus subtilis and other microorganism] Ceruzzi F. **Rev Fac Cienc Med Cordoba** 32(3–4):313–9, Jul–Dec 74 (Eng. Abstr.) **(Spa)**

POISONING

The effect of poisoning with Dithane M-45 on oxygen uptake and energy balance in adult rats. Gawęcki J, et al. **Acta Physiol Pol** 27(2):169–74, Mar–Apr 76

[Quantitative determination of tyrosine in experimental ferbam 76 poisoning. I. Plasma levels of free tyrosine in experimental animals] Seńczuk W, et al. **Rocz Panstw Zakl Hig** 27(2):197–208, 1976 (Eng. Abstr.) **(Pol)**

[The toxicologic features of the general mutagenic action of TMTD in its entry with water into the body of an animal] Zhilenko VN. **Gig Sanit** (12):94–5, Dec 75 **(Rus)**

[Xanthurenic aciduria as a specific test in dithiocarbamate poisoning] Sedokur LK, et al. **Gig Tr Prof Zabol** (2):55–6, Feb 76 **(Rus)**

THERAPEUTIC USE

[Cachexia in mice induced by a fraction of Brucella melitensis. Modification by levamisole or by diethyldithiocarbamate of soda] Renoux G, et al. **Dev Biol Stand** 31:110–4, 1976 (Eng. Abstr.) **(Fre)**

[Inhibition by diethyldithiocarbamate (DEDTC) of acute hepatotoxic effects induced by polyhalogenated hydrocarbons (PHHC)] Frimmer M, et al. **Anaesthesist** 25(3):89–96, Mar 76 **(Ger)**

[The TRH stimulation test in hyperthyroid patients following prolonged therapy with thiocarbamides] Martino E, et al. **Folia Endocrinol (Roma)** 27(1):117–22, Feb 74 **(Ita)**

[The ultrastructure of pancreatic beta cells in dithizone diabetes and its prevention by sodium diethyldithiocarbamate] Meiramov GG, et al. **Probl Endokrinol (Mosk)** 21(6):92–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Teratogenic activity of Arasan fed to broiler breeder hens. Page RK. **Avian Dis** 19(3):463–72, Jul–Sep 75

Developmental toxicity of ferric dimethyldithiocarbamate and bis(dimethylthiocarbamoyl) disulfide in rats and mice. Short RD Jr, et al. **Toxicol Appl Pharmacol** 35(1):83–94, Jan 76

[Approaches to the hygienic evaluation of resins containing tetramethylthiuram disulfide and intended for contact with food products] Stankevich VV, et al. **Gig Sanit** (1):22–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Toxicity of the fungicide cuprocin via inhalatory uptake into the body] Matokhniuk LA, et al. **Gig Tr Prof Zabol** (10):59–60, Oct 74 **(Rus)**

[Toxicity of tetramethylthiuram disulfide at simultaneous administration with water and air to rats] Zhilenko VN. **Gig Tr Prof Zabol** (2):42–4, Feb 76 (Eng. Abstr.) **(Rus)**

THIOCARLIDE

ANALYSIS

[Detection and quantitative determination of thiocarlide in medicinal preparations] Kuhnke G, et al. **Pharmazie** 30(5):297–301, May 75 **(Ger)**

THERAPEUTIC USE

The activity of thiacetazone, thiambutosine and thiocarlide in the chemotherapy of experimental leprosy. Colston MJ, et al. **Int J Lepr** 44(1–2):123, Jan–Jun 76

THIOCHOLINE see under **CHOLINE**

THIOCTIC ACID see **LIPOIC ACID**

THIOCYANATES

Characterization of fluorescein isothiocyanate. II. Absorption and fluorescence after conjugation to human- and rabbit-gamma-globulin and bovine serum albumin. Steinbach G, et al. **Acta Histochem (Jena)** 55(1):110–23, 1976

Stability studies on fluorescein isothiocyanate—bovine serum albumin conjugate. Landel AM. **Anal Biochem** 73(2):280–9, Jun 76

An improved field test for barbiturates and hydantoins with a modified cobalt (II) thiocyanate reagent. de Faubert Maunder MJ. **Analyst** 100(1197):878–83, Dec 75

4-NN-dimethylaminoazobenzene 4'-isothiocyanate, a new chromophoric reagent for protein sequence analysis. Chang JY, et al. **Biochem J** 153(3):607–11, 1 Mar 76

Kinetics of reaction of anions with methemerythrin derivatives. Meloon DR, et al. **Biochemistry** 15(6):1284–90, 23 Mar 76

Ceruloplasmin-anion interaction. A circular dichroism spectroscopic study. Herve M, et al. **Biochim Biophys Acta** 439(2):432–41, 9 Aug 76

Lipophilicity of isothiocyanates as a criterion of their antimicrobial spectrum. Drobnica L, et al. **Experientia** suppl 23:65–77, 1976

Chromogenic response of aqueous cobalt thiocyanate to lipophilic drugs. Grant FW. **J Chromatogr** 116(1):230–4, 7 Jan 76

Physicochemical characterization of direct fluorescent antibody reagents. Hebert GA, et al. **J Dent Res** 55:A45–9, Jan 76

Conjugation methods in immunofluorescence. McKinney R, et al. **J Dent Res** 55:A38–44, Jan 76

[The preparation of rabies virus nucleocapsid specific IgG and its purification and conjugation with peroxidase or fluorescein isothiocyanate (author's transl)] Atanasiu P, et al. **Ann Microbiol (Paris)** 125B(1):85–98, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Spectrophotometric determination of noscapine by formation of a tetrathiocyanocobaltate(II) complex with noscapine] Garcia Madrid H, et al. **J Pharm Belg** 29(5):423–36, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Thiocyanatochromium(III) complexes in chemical analysis. 16. Determination of procaine with rhodanilate] Gănescu I, et al. **Pharmazie** 30(9):609–10, Sep 75 **(Ger)**

[Thiocynanatochromium(III) complexes in chemical analysis. 25. Oxydometric and spectrophotometric determination of diazepam with Reinecke salt-like compounds] Gănescu I, et al. **Pharmazie** 31(4):259, Apr 76 **(Ger)**

[Formation of o-tolylthiocyanate in the reaction of o-toluenediazonium sulfate, thiocyanate ion and some kinds of metal ions (author's transl)] Sawanishi N, et al. **J Pharm Soc Jpn** 96(2):214–7, Feb 76 (Eng. Abstr.) **(Jpn)**

[Formation of phenyl thiocyanate and phenyl isothiocyanate in the reaction of benzenediazonium sulfate, cupric ion and thiocyanate ion (author's transl)] Takino Y, et al. **J Pharm Soc Jpn** 95(8):949–53, Aug 75 (Eng. Abstr.) **(Jpn)**

[Complex rhodanate salts as precipitating reagents in assaying organic bases. IV. Use of potassium hexarhodanodiammochromate (III) and ammonium tetrarhodanodiammochromate (III) for assaying amitriptyline and other dibenzocycloheptene derivatives] Olech A. **Acta Pol Pharm** 33(1):101–5, 1976 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

[Protective effect of rhodanates in laboratory and farm animals] Weuffen W, et al. **Arch Exp Veterinaermed** 29(6):955–62, Dec 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Proceedings: Nitrite and thiocyanate in gastric juice. Ruddell WS, et al. **Gut** 17(5):401, May 76

A method for the determination of ethylenebis(isothiocyanate) on food crops. Newsome WH. **J Agric Food Chem** 24(2):420–1, Mar–Apr 76

Spectrophotometric determination of allylisothiocyanate in mustard seed oil. Devani MB, et al. **J Assoc Off Anal Chem** 59(3):689–92, May 76

Concentration of thiocyanate and ionizable iodine in saliva of smokers and nonsmokers. Tenovuo J, et al. **J Dent Res** 55(4):661–3, Jul–Aug 76

[Effect of Brassica-like plant fodder on thiocyanate plasma and milk levels in cows] Pyska H, et al. **Endokrynol Pol** 26(4):409–16, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Effect of thiocyanate administration on milk and plasma iodine as well as thiocyanate level] Pyska H. **Endokrynol Pol** 26(4):399–408, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Effect of feeding cows with plants from the Brassica genus on the level of thiocyanate in milk] Pyska H. **Rocz Panstw Zakl Hig** 26(4):479–82, 1975 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

[Antimicrobial action of potential isothiocyanate forming substances 7th communication (author's transl)] Zsolnai T. **Arzneim Forsch** 25(9):1336–9, Sep 75 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

[Addition of chlorothiocyanate, dithiocyanate and iodothiocyanate to substituted chalcones] Weber FG, et al. **Pharmazie** 30(12):800–1, 1975 **(Ger)**

ISOLATION & PURIFICATION

[Investigations of the isothiocyanates erysolin and sulforaphan of Cardaria draba L] Dornberger K, et al. **Pharmazie** 30(12):792–6, 1975 **(Ger)**

METABOLISM

The effects of cycloheximide, actinomycin D, and ethionine on the biliary excretion of labelled alpha-naphthylisothiocyanate in rats. Skelton FS, et al. **Exp Mol Pathol** 23(2):171–80, Oct 75

Radiolabeling of immunoglobulin without loss of antibody activity—use of 14C-phenylisothiocyanate with human cytotoxic antibody. Levy NL, et al. **J Immunol** 116(6):1526–31, Jun 76

PHARMACODYNAMICS

Acute redistribution of thyroxine after the administration of univalent anions, salicylate, theophylline and barbiturates in rats. Langer P, et al. **Acta Endocrinol (Kbh)** 81(3):516–24, Mar 76

Thiocyanate inhibition of ATPase and its relationship to anion transport. Solomon RJ, et al. **Am J Physiol** 229(3):801–6, Sep 75

The effect of allylisothiocyanate and other antithyroid compounds on blood coagulation in rats. Idris R, et al. **Biochem Pharmacol** 24(21):2003–5, 1 Nov 75

Estrogen binding proteins of calf uterus. Inhibition of aggregation and dissociation of receptor by chemical perturbation with NaSCN. Sica V, et al. **Biochemistry** 15(9):1915–23, 4 May 76

Isothiocyanates. A new class of uncouplers. Miko M, et al. **Biochim Biophys Acta** 396(2):165–74, 11 Aug 75

Photochemical activities of reaction centers from Rhodopseudomonas sphaeroides at low temperature and in the presence of chaotropic agents. Romijn JC, et al. **Biochim Biophys Acta** 423(2):164–73, 16 Feb 76

Chloride transport and its inhibition by thiocyanate in gills of seawater teleosts. Epstein FH, et al. **Comp Biochem Physiol [A]** 52(4):681–3, 1 Dec 75

Nonspecific bactericidal activity of the lactoperoxidases-thiocyanate-hydrogen peroxide system of milk against Escherichia coii and some gram-negative pathogens. Reiter B, et al. **Infect Immun** 13(3):800–7, Mar 76

The branchial chloride pump in the goldfish Carassius auratus: relationship between Cl-/HCO_3^- and Cl-/Cl— exchanges and the effect of thiocyanate. de Renzis G. **J Exp Biol** 63(3):587–602, Dec 75

The indiction by complement of a change in KSCN-dissociable red cell membrane lipids. Giavedoni EB, et al. **J Immunol** 116(4):1163–9, Apr 76

On the fungitoxicity of some new thiocyanatopyrazole derivatives: electron microscopical study in Trichophyton mentagrophytes. Vannini GL, et al. **Mycopathologia** 58(1):39–47, 4 Jun 76

The metabolism of L-ethionine in rats fed alpha-naphthyl isothiocyanate. Brada Z, et al. **Res Commun Chem Pathol Pharmacol** 13(1):19–26, Jan 76

On lithium and thiocyanate action on embryonic development and metabolism. Ranzi S. **Rev Suisse Zool** 82(1):91–100, May 75

Microsomal drug metabolism during alpha-naphthylisothiocyanate-induced cholestasis. Drew R, et al. **Toxicol Appl Pharmacol** 35(3):491–9, Mar 76

[Sodium thiocyanate as a protective agent in intensive calf fattening. Brief report] Rotermund L, et al. **Arch Exp Veterinaermed** 29(2):211–5, 1975 (Eng. Abstr.) **(Ger)**

[Relationships between chemical constitution and antifungal action. 26. Antifungal and anthelminthic action of various newly substituted benzylisocyanates, isothiocyanatomethyl- and beta-isothiocyanatepropionyl compounds] Teubner H, et al. **Arch Exp Veterinaermed** 28(2):249–59, 1974 (Eng. Abstr.) **(Ger)**

[Relationships between chemical constitution and germicidial effect. 28. Preparation, antimicrobial and anthelminthic effect of diisosothiocyanates] Teubner H, et al. **Arch Exp Veterinaermed** 29(4):621–9, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

[The effect of rhodanides on the immune response] Weuffen W, et al. **Z Gesamte Hyg** 22(1):47–55, Jan 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Efficacy of divided doses of GS-23654 against immature

Echinococcus granulosus infections in dogs. Schantz PM, et al. **Am J Vet Res** 37(5):621–2, May 76

Antischistosomal and some toxicological properties of a nitrodiphenylaminoisothiocyanate (C 9333–Go/CGP 4540). Bueding E, et al. **Experientia** 32(5):604–6, 15 May 76

Trial of a new anthelmintic (bitoscanate) in ancylostomiasis in children. Ahmed SH, et al. **Prog Drug Res** 19:2–5, 1975

Bitoscanate in children with hookworm disease. Bhandari B, et al. **Prog Drug Res** 19:6–9, 1975

Experiencw with bitoscanate in hookworm disease and trichuriasis in Mexico. Biagi F. **Prog Drug Res** 19:23–7, 1975

Clinical field trial of bitoscanate in Necator americanus infection, South Thailand. Harinasuta T, et al. **Prog Drug Res** 19:64–9, 1975

A comparative study of bitoscanate, bephenium hydroxynaphthoate and tetrachlorethylene in hookworm infection. Johnson S. **Prog Drug Res** 19:70–4, 1975

Comparative study of bitoscanate, bephenium hydroxynaphthoate and tetrachlorethylene in hookworm disease. Mutalik GS, et al. **Prog Drug Res** 19:86–9, 1975

A field trial with bitoscanate in India. Mutalik GS, et al. **Prog Drug Res** 19:81–5, 1975

Experience with bitoscanate in adults. Patricia AH, et al. **Prog Drug Res** 19:90–5, 1975

Clinical experience with bitoscanate. Samuel MR. **Prog Drug Res** 19:96–107, 1975 (19 ref.)

The effect of nitroscanate on Echinococcus granulosus and Taenia hydatigena infections in dogs. Gemmell MA, et al. **Res Vet Sci** 19(2):217–9, Sep 75

TOXICITY

Acute cholecystitis and persistent liver necrosis in mice provoked by isothiocyanate. Ungar H, et al. **Arch Pathol Lab@ Med** 100(3):127–31, Mar 76

Toxicology of some inorganic antihypertensive anions. Smith RP, et al. **Fed Proc** 35(1):69–72, Jan 76

URINE

Effect of cyanide antidotes on the metabolic conversion of cyanide to thiocyanate. Frankenberg L, et al. **Arch Toxicol (Berl)** 33(2):81–9, 14 Feb 75

THIOGALACTOSIDES see under **THIOGLYCOSIDES**

THIOGLUCOSIDES see under **THIOGLYCOSIDES**

THIOGLYCOLATES

Comparison of thioglycollate media, modified thioglycollate media, and GAM for the cultivation of non–sporeforming anaerobes. Chong Y, et al. **Yonsei Med J** 15(2):136–46, 1974

[Consecutive determination of vitamins K by means of the reaction with thioglycolic acid (author's transl)] Hayakawa Y, et al. **J Pharm Soc Jpn** 95(11):1292–7, Nov 75 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Pre–operative preparation of the skin with a depilatory. le Roux BT, et al. **S Afr Med J** 49(42):1761–2, 4 Oct 75

PHARMACODYNAMICS

The effect of thiols on immunologic release of slow reacting substance of anaphylaxis. I. Human lung. Orange RP, et al. **J Immunol** 115(4):1072–7, Oct 75

[Effect of thioglycolic acid on Allium sativum L. root meristems] Delcourt A, et al. **C R Soc Biol (Paris)** 169(5):1155–8, 1975 (Eng. Abstr.) **(Fre)**

TOXICITY

[Hygienic standards for dibutyltin diisooctylthioglycolate in the water of reservoirs] Igumnov AS. **Gig Sanit** (2):13–7, Feb 75 (Eng. Abstr.) **(Rus)**

THIOGLYCOSIDES

Quantitative hydrolysis of thioglycosides. Krantz MJ, et al. **Anal Biochem** 71(1):318–21, Mar 76

Influence of glucosinolates and native enzymes on the nutritional value of low–glucosinolate rapeseed meal. Josefsson E, et al. **J Sci Food Agric** 27(5):433–7, May 76

ANALYSIS

Glucosinolates and derived products in cruciferous vegetables. Analysis of the edible part from twenty–two varieties of cabbage. VanEtten CH, et al. **J Agric Food Chem** 24(3):452–5, May–Jun 76

Rapeseed meal glucosinolates: metabolism and effect on performance in laying hens. Smith TK, et al. **Poult Sci** 55(3):861–7, May 76

[Rapeseed. 22. Changes in glucosinolate derivative content during potato silage formation while adding rapeseed] Kozlowska H, et al. **Nahrung** 16(8):843–8, 1972 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Synthesis of sulphoquinovosyl diacylglycerol by higher plants. Harwood JL. **Biochim Biophys Acta** 398(2):224–30, 25 Aug 75

CHEMICAL SYNTHESIS

Synthesis of p–nitrobenzyl and p–nitrophenyl 1–thioglycopyranosides. Matta KL, et al. **Carbohydr Res** 43(1):101–9, Aug 75

Synthesis of p–nitrophenyl 1–thio–beta–D–mannopyranoside. Matta KL, et al. **Carbohydr Res** 48(2):294–8, Jun 76

[Preparation and properties of some derivatives of methyl–6–amino–6,8 dideoxy–1–thio–D–erythro–alpha–D–galacto octopyranoside] Sobiczewski W. **Acta Pol Pharm** 32(6):673–8, 1975 (Eng. Abstr.) **(Pol)**

METABOLISM

Metabolism of 5–thio–D–glucopyranose and 6–thio–D–fructopyranose in rats. Pitts MJ, et al. **Arch Biochem Biophys** 169(2):384–91, Aug 75

Proceedings: Study of the binding of 1–thio–beta–D–galactopyranosides on beta–galactosidase from E. coli. Yde M, et al. **Arch Int Physiol Biochim** 84(1):210–1, Feb 76

Changes in active transport, intracellular adenosine 5'–triphosphate levels, macromolecular syntheses, and glycolysis in an energy–uncoupled mutant of Escherichia coli. Lieberman MA, et al. **J Bacteriol** 125(3):1024–31, Mar 76

Kinetic studies of inducer binding to lactose repressor protein. Friedman BE, et al. **J Biol Chem** 251(4):1171–4, 25 Feb 76

Recovery of the accumulation ability of thiomethyl–beta–galactoside in Escherichia coli after bacteriophage T4 infection. Saijo N, et al. **J Virol** 17(2):299–306, Feb 76

PHARMACODYNAMICS

Action of 5–thio–D–glucose and its 1–phosphate with hexokinase and phosphoglucomutase. Chen M, et al. **Arch Biochem Biophys** 169(2):392–6, Aug 75

Breynins, new sulfur–containing glycosides with hypocholesterolemic activity. Koshiyama H, et al. **Chem Pharm Bull (Tokyo)** 24(1):169–72, Jan 76

Influence of sinapine and p–hydroxybenzylglucosinolate on the nutritional value of rapeseed and white mustard meals. Josefsson E, et al. **J Sci Food Agric** 27(5):438–42, May 76

THIOGUANINE

Interactions of 6–thioguanine in B–DNA: possible mechanism of its mutagenic action. Chojnacki H, et al. **J Theor Biol** 54(2):167–74, Oct 75

ANALOGS & DERIVATIVES

Clinical studies of beta–thioguanine deoxyriboside alone and in combination with arabinosyl cytosine. Bodey GP, et al. **Med Pediatr Oncol** 2(2):199–205, 1976

METABOLISM

Mutagenic mechanism of 5–bromodeoxyuridine in Chinese hamster cells. Aebersold PM. **Mutat Res** 36(3):357–62, Sep 76

PHARMACODYNAMICS

Mechanisms of action of 6–thioguanine, 6–mercaptopurine, and 8–azaguanine. Nelson JA, et al. **Cancer Res** 35(10):2872–8, Oct 75

Ethyl methanesulphonate mutagenesis with L5178Y mouse lymphoma cells: a comparison of ouabain, thioguanine and excess thymidine resistance. Cole J, et al. **Mutat Res** 34(3):507–25, Mar 76

The isolation and preliminary characterisation of 6–thioguanine–resistant mutants of human diploid fibroblasts. Cox R, et al. **Mutat Res** 36(1):93–104, Jul 76

Factors affecting the efficiency of purine analogues as selective agents for mutants of mammalian cells induced by ionising radiation. Thacker J, et al. **Mutat Res** 35(3):465–78, Jun 76

Morphological, histochemical and chromosomal patterns of neuroblastoma parental and purine resistant lines. Ciesielski–Treska J, et al. **Neurobiology** 5(6):382–92, Dec 75

THERAPEUTIC USE

Comparative study of cytosine arabinoside therapy alone and combined with thioguanine, mercaptopurine, or daunorubicin in acute myelocytic leukemia. Carey RW, et al. **Cancer** 36(5):1560–6, Nov 75

Treatment of acute leukemia during pregnancy. Raich PC, et al. **Cancer** 36(3):861–2, Sep 75

Combination chemotherapy for acute nonlymphoblastic leukemia in adults. Glucksberg H, et al. **Cancer Chemother Rep** 59(6):1131–7, Nov–Dec 75

The effect of chemotherapy and immunotherapy on the response to mitogens in acute lymphatic leukemia. pp. 613–23. Leventhal BG, et al. **In: Oppenheim JJ, Rosenstreich DL, ed. Mitogens in immunobiology. New York, Academic Press, 1976. QH 605.2 M684 1975.**

Combinations of arabinosyl cytosine and 6–thioguanine for treatment of adults with acute leukemia. Bodey GP, et al. **Med Pediatr Oncol** 1(1):29–35, 1975

[Experiences in the treatment of acute myeloblastic leukemia and acute monocytic leukemia using cytosine arabinoside and 6–thioguanine] Essers U, et al. **Verh Dtsch Ges Inn Med** 81:1126–8, 1975 **(Ger)**

THIOHYDANTOINS see under **HYDANTOINS**

THIOINOSINE see under **INOSINE**

THIOLESTER HYDROLASES

Phosphatidate phosphohydrolase and palmitoyl coenzyme A hydrolase in cardiac subcellular fractions. Kako KJ, et al. **Recent Adv Stud Cardiac Struct Metab** 8:191–7, 1975

ISOLATION & PURIFICATION

The separation of glyoxalase I and glyoxalase II by paper electrophoresis. Jerzykowski T, et al. **J Chromatogr** 116(1):225–9, 7 Jan 76

Specific release of the thioesterase component of the fatty acid synthetase multienzyme complex by limited trypsinization. Smith S, et al. **Proc Natl Acad Sci USA** 73(4):1184–8, Apr 76

METABOLISM

The long–chain acyl–CoA hydrolase activity in the heart of rat fed on rape–seed oil. Bulhak–Jachymczyk B, et al. **Acta Biochim Pol** 22(4):305–10, 1975

Acyl–CoA pool and acyl–CoA thioesterase in Streptomyces noursei var. polifungini. Rafalski A, et al. **Acta Biochim Pol** 22(3):257–61, 1975

Acetyl–coenzyme A hydrolase, an artifact? The conversion of acetyl–coenzyme A into acetate by the combined action of carnitine acetyltransferase and acetylcarnitine hydrolase. Costa ND, et al. **Biochem J** 29(2):167–72, Nov 74

Phosphatidate phosphohydrolase and palmitoyl–coenzyme A hydrolase in cardiac subcellular fractions of hyperthyroid rabbits and cardiomyopathic hamsters. Kako KJ, et al. **Biochem J** 29(2):313–23, Nov 74

THIOMETON see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

THIONEINE see **ERGOTHIONEINE**

THIONES

Modified thiocarbohydrazide procedure for scanning electron microscopy: routine use for normal, pathological, or experimental tissues. Malick LE, et al. **Stain Technol** 50(4):265–9, Jul 75

[Reaction of dithionooxalic esters with amines (author's transl)] Hoppe H, et al. **Arch Pharm (Weinheim)** 308(7):526–41, Jul 75 (Eng. Abstr.) **(Ger)**

[Aminomethylation, cyanomethylation and acylation of 1,2,4–triazolethione–3] Rudnicka W, et al. **Acta Pol Pharm** 33(3):321–7, 1976 (Eng. Abstr.) **(Pol)**

CHEMICAL SYNTHESIS

Leon NH. **J Pharm Sci** 65(1):146–8, Jan 76

[Reactions of 2–alkyl(or aryl)sulfinylethanol and their related compounds with carbon disulfide. Formation of trithiocarbonates and its mechanistic consideration (author's transl)] Tsuchiya Y, et al. **J Pharm Soc Jpn** 96(4):490–7, Apr 76 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inhibition of hepatic mixed–function oxidase activity in vitro and in vivo by various thiono–sulfur–containing compounds. Hunter AL, et al. **Biochem Pharmacol** 24(23):2199–205, 1 Dec 75

THIOPENTAL

Anaesthesia for electroconvulsive therapy. McCleave DJ, et al. **Anaesth Intensive Care** 3(3):250–6, Aug 75

Thiopentone and suxamethonium crash induction. An assessment of the potential hazards. Barr AM, et al. **Anaesthesia** 31(1):23–9, Jan–Feb 76

Comparison of methotrimeprazine and meperidine as components of balanced anesthesia. Radnay PA, et al. **Anesth Analg (Cleve)** 54(6):749–55, Nov–Dec 75

Limbic neuronal firing rates in man during administration of nitrous oxide—oxygen or sodium thiopental. Babb TL, et al. **Anesthesiology** 43(4):402–9, Oct 75

Recovery and simulated driving after intravenous anesthesia with thiopental, methohexital, propanidid, or alphadione. Korttila K, et al. **Anesthesiology** 43(3):291–9, Sep 75

Thiopental administration in acute intermittent porphyria without adverse effect. Slavin SA, et al. **Anesthesiology** 44(1):77–9, Jan 76

Anaesthesia for cardioversion: a comparison of diazepam, thiopentone and propanidid. Orko R. **Br J Anaesth** 48(3):257–62, Mar 76

A review of methods for evaluation of recovery from anaesthesia and a comparative study of the intravenous steroid anesthetic althesin (CT 1341), with methohexitone and thiopentone. Carson IW. **Proc R Soc Med** 68(2):108–10, Feb 75

[Effect of thiopental and epontol anesthesia upon maternal anf foetal circulation (author's transl)] Donát J, et al. **Cesk Gynekol** 41(3):224–7, May 76 (Eng. Abstr.) **(Cze)**

[Comparative study of post–anesthesia awakening and behavior following alfatesine and pentothal] Dubois M.

Ann Anesthesiol Fr 16(3):145–61, May–Jun 75 (Eng. Abstr.) **(Fre)**

[A method of carrying out ECT under anesthesia with relaxants] Smirnova ML, et al. **Zh Nevropatol Psikhiatr** 76(4):594–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Comparative effect of ketolar and pentothal on the fetus delivered by cesarean section] Camarasa JJ, et al. **Rev Esp Anestesiol Reanim** 22(5):423–32, Sep 75 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

The 0.5 MAC equivalent of thiopental. pp. 167–9. Fraioli RL, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

ADVERSE EFFECTS

Thiopentone anaphylaxis—case report. Brown TP. **Anaesth Intensive Care** 3(3):257–9, Aug 75

Anaphylaxis to thiopentone: a case report. Chung DC. **Can Anaesth Soc J** 23(3):319–22, May 76

Anaphylactic response to thiopentone in a dog. Mason TA. **Vet Rec** 98(7):136, 14 Feb 76

[2 cases of anaphylactic shock occurring at the time of penthiobarbital anesthesia] Joue P, et al. **Anesth Analg (Paris)** 32(3):399–412, May–Jun 75 **(Fre)**

[Repercussions of thiopental anesthesia on the normal fetus and those with fetal distress] de Rezende J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(7):817–26, Oct 73 (Eng. Abstr.) **(Fre)**

ANALYSIS

Kinetic evaluation of thiopentone sodium stability in aqueous and propylene glycol medium. Hermann T, et al. **Pol J Pharmacol Pharm** 28(2):205–12, 1976

ANTAGONISTS & INHIBITORS

Digitalis–thiopentone effects on myocardial function. A study of systolic time intervals in man. List WF. **Anaesthesia** 30(5):624–9, Sep 75

DIAGNOSTIC USE

Proceedings: Aetiopathogenetic diagnosis of epilepsies. Influence of thiopental and diazepam on EEG epileptic phenomena. Krištof M, et al. **Electroencephalogr Clin Neurophysiol** 39(5):548, Nov 75

[Lumbar sympathectomy. Indications based on the hyperemia test and pentothal test] Courbier R, et al. **Chirurgie** 101(5):327–33, 16–23 Apr 75 (Eng. Abstr.) **(Fre)**

HISTORY

Letter: Intravenous anesthesia. Tennent AA. **NZ Med J** 82(548):211–2, 24 Sep 75

METABOLISM

Letter: Thiopental absorption after inadvertent injection into the epidural space. Gravenstein JS. **Anesth Analg (Cleve)** 55(1):118–9, Jan–Feb 76

The influence of chronic ethanol consumption on the distribution of thiopental in rats. Patel VK, et al. **Can J Physiol Pharmacol** 53(4):669–72, Aug 75

Placental transfer of central nervous system depressants in sheep. Ruckebusch Y, et al. **Eur J Pharmacol** 37(1):193–6, May 76

PHARMACODYNAMICS

A comparative clinical study of flunitrazepam with thiopentone as an anesthetic agent. Devoghel JC, et al. **Acta Anaesthesiol Belg** 25(3):371–7, 1974

Comparison of the immediate effects of etomidate, propanidid and thiopentone on haemodynamics, coronary bloodflow and myocardial oxygen consumption. Patschke D, et al. **Acta Anaesthesiol Belg** 26(2–3):112–9, Jul–Oct 75

Cardio–respiratory effects of some commonly used intravenous induction agents. Savege TM, et al. **Acta Anaesthesiol Belg** 25(3):316–29, 1974

Metabolic changes in the cerebral cortex of the rat induced by intravenous pentothalsodium. Carlsson C, et al. **Acta Anaesthesiol Scand [Suppl]** :1–17, 1975

Relation between glucose tolerance and serum insulin levels in man before and after thiopental intravenous administration. Kaniaris P, et al. **Anesth Analg (Cleve)** 54(6):718–21, Nov–Dec 75

Hypoxic ventilatory drive in dogs during thiopental, ketamine, or pentobarbital anesthesia. Horshman CA, et al. **Anesthesiology** 43(6):628–34, Dec 75

Blood viscosity during anaesthesia with halothane, cyclopropane, thiopentone and ketamine. Magora F, et al. **Br J Anaesth** 46(5):343–7, May 74

Influence of liver metabolism on the actions of althesin and thiopentone. Novelli GP, et al. **Br J Anaesth** 47(9):913–6, Sep 75

Changes of skin nerve sympathetic activity during induction of general anaesthesia with thiopentone in man. Wallin BG, et al. **Brain Res** 103(1):157–60, 13 Feb 76

The effects of althesin and thiopentone on sympathetic and baroreflex activity. MacKenzie JE, et al. **Can Anaesth Soc J** 23(3):252–62, May 76

Althesin and thiopentone: a clinical comparison. Obdrizalek J. **Can Anaesth Soc J** 22(5):601–6, Sep 75

Recovery of ventilatory response to carbon dioxide after thiopentone, morphine and fentanyl in man. Rigg JR, et al. **Can Anaesth Soc J** 23(4):370–82, Jul 76

The role of angiotensin in the canine renal vascular response to barbiturate anesthesia. Burger BM, et al. **Circ Res** 38(3):196–202, Mar 76

Pharmacological comparison of R(+), S(-) and racemic thiopentone in mice. Haley TJ, et al. **Eur J Pharmacol** 36(1):211–4, Mar 76

Modifications of effects of Althesin and of thiobarbiturate as affected by the metabolic activity of the liver. pp. 139–42. Novelli GP, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

The depressant effect of halothane and sodium thiopental on the spontaneous and evoked activity of dorsal horn cells: lamina specificity, time course and dose dependence. Kitahata LM, et al. **J Pharmacol Exp Ther** 195(3):515–21, Dec 75

Proceedings: Responses of pyramidal tract cells to barbiturate anesthesia. Kameda K, et al. **J Physiol Soc Jpn** 36(8–9):286, 1 Sep 74

Effect of ketamine in the blood pressure and pulse rate (a comparison with thiopental and fentany). El-Naggar M, et al. **Mid East J Anaesthesiol** 4(4):29–42, Feb 75

Inhibition of glucose phosphorylation in rat brain by thiopental. Bielicki L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):25–9, 24 Mar 76

The effects of increased glucose supply and thiopental anesthesia on energy metabolism of the isolated perfused rat brain. Hein H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):399–407, 30 Jul 75

Thiopental anaesthesia and the acid–base balance in the blood of experimental dogs. Spunda J, et al. **Physiol Bohemoslov** 25(2):173–81, 1976

[The acid–base balance in the mother and the foetus during thiopental anaesthesia (author's transl)] Donát J, et al. **Cesk Gynekol** 40(9):650–2, Nov 75 **(Cze)**

[Fluorohistochmical studies on localization of 5–hydroxytryptamine neurons in the rat brain following administration of thiopental sodium] Yanagisawa M. **Folia Pharmacol Jpn** 71(6):641–62, Sep 75 (Eng. Abstr.) **(Jpn)**

POISONING

Thiopental suicide — case report. Backer RC. **Clin Toxicol** 8(3):283–7, 1975

THIOPHANATE-METHYL see under **CARBAMATES**

THIOPHENES

4,6–Diphenylthieno (3,4–d)(1,3)dioxol–2–one 5,5–dioxide, a novel activating agent for peptide syntheses. Hollitzer O, et al. **Angew Chem [Engl]** 15(7):444–5, Jul 76

Suprofen (R 25 061), a new potent inhibitor of prostaglandin biosynthesis. Janssen PA. **Arzneim Forsch** 25(10):1495, Oct 75

[C–glycoside derivatives. XXVI. New ways of approach to thiophene and isoxazole C–nucleosides] Tronchet JM, et al. **Helv Chim Acta** 58(6):1735–8, 24 Sep 75 **(Fre)**

[Condensation products of nitrated heterocyclic aldehydes with oxo–cyclopentathiophenes and oxo–tetrahydroquinolines (author's transl)] Albrecht R, et al. **Arch Pharm (Weinheim)** 308(8):588–94, Aug 75 (Eng. Abstr.) **(Ger)**

[Thiaäzulenes. II. Reactions of 2–thiaäzulenylium salts with electrophilic reagents (author's transl)] Hori M, et al. **J Pharm Soc Jpn** 94(11):1445–51, Nov 74 (Eng. Abstr.) **(Jpn)**

[Sandomigrin Pizotifen Sandoz] Hjemdahl P. **Lakartidningen** 72(32):3023–4, 6 Aug 75 **(Swe)**

ANALYSIS

Physico–chemical and analytical studies on suprofen. van Rompay JF, et al. **Arzneim Forsch** 25(10):1501–5, Oct 75

Mass fragmentographic studies of sulfur compounds: the thienylthiaalkanes. Foster NG, et al. **Biomed Mass Spectrom** 1(5):297–304, Oct 74

Gas–liquid chromatographic determination of tienilic acid (SKF 62.698) in human plasma and urine. Desager JP, et al. **J Chromatogr** 123(2):379–84, 4 Aug 76

Volatile sulfur compounds contributing to meat flavour. Part. I. Components identified in boiled meat. Garbusov V, et al. **Nahrung** 20(3):235–41, 1976

CHEMICAL SYNTHESIS

Synthesis of 3–substituted thieno [2, 3–d] pyrimidin–4(3H)–one–2–mercaptoacetic acids and their ethyl esters for pharmacological screening. Devani MB, et al. **J Pharm Sci** 65(5):660–4, May 76

[Syntheses and reactivity of thianaphthene–derivatives and some related sulfones (author's transl)] Neidlein R, et al. **Arch Pharm (Weinheim)** 308(7):513–9, Jul 75 **(Ger)**

[Trans–perhydro–cyclopenta(1.2–c:3.4–c')difurane and –diethiphene (author's transl)] Seitz G, et al. **Arch Pharm (Weinheim)** 309(1):44–8, Jan 76 **(Ger)**

[Thiaäzulenes. III. Reactions of 2–thiaäzulenylium salts with nucleophilic reagents. Syntheses 2–aryl–2–thiaäzulenes (author's transl)] Hori M, et al. **J Pharm Soc Jpn** 94(11):1452–8, Nov 74 (Eng. Abstr.) **(Jpn)**

[Thiaäzulenes. I. Synthesis of 2–thiaäzulenylium salts (author's transl)] Hori M, et al. **J Pharm Soc Jpn** 94(11):1429–44, Nov 74 (Eng. Abstr.) **(Jpn)**

METABOLISM

Nitroreduction of carcinogenic 5–nitrothiophenes by rat tissues. Wang CY, et al. **Biochem Pharmacol** 24(17):1563–8, 1 Sep 75

PHARMACODYNAMICS

Renal transport of urate during diuretic–induced hypouricemia. Reese OG Jr, et al. **Am J Med** 60(7):973–9, Jun 76

Antibacterial activity of nitropyrroles, nitrothiphenes, and aminothiophenes in vitro. Wang CY, et al. **Antimicrob Agents Chemother** 8(2):216–9, Aug 75

Effects of suprofen, an inhibitor of prostaglandin biosynthesis, on platelet function, plasma coagulation and fibrinolysis. I. In vitro experiments. De Clerck F, et al. **Arch Int Pharmacodyn Ther** 216(2):263–79, Aug 75

Effects of suprofen, an inhibitor of prostaglandin biosynthesis, on platelet function, plasma coagulation and fibrinolysis II. In vivo experiments. De Clerck F, et al. **Arch Int Pharmacodyn Ther** 217(1):68–79, Sep 75

Inhibition by suprofen and other non–narcotic analgesic drugs of the effects of prostaglandin precursor on isolated tissues and platelets. Van Nueten JM, et al. **Arch Int Pharmacodyn Ther** 220(2):297–310, Apr 76

Gastrointestinal effects and acute toxicity of suprofen. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1537–42, Oct 75

Suprofen, a potent antagonist of acetic acid–induced writhing in rats. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1505–9, Oct 75

Effects of ticlopidine, a new platelet aggregation inhibitor in man. Thebault JJ, et al. **Clin Pharmacol Ther** 18(4):485–90, Oct 75

Comparative effects of four migraine prophylactic drugs on an isolated extracranial artery. Fozard JR. **Eur J Pharmacol** 36(1):127–139, Mar 76

Inhibition of ovulation in rats by antagonists to serotonin and by a new tricyclic compound. Markó M, et al. **Experientia** 32(4):491–2, 15 Apr 76

Effect of thenoyltrifluoroacetone on oxygen consumption and energy conservation in isolated rat liver mitochondria. Ulvik R, et al. **FEBS Lett** 59(2):180–3, 15 Nov 75

Effects of asparagusate and lipoate on enzymes of the tricarboxylic acid cycle and related metabolic pathways. Yanagawa H, et al. **J Biochem (Tokyo)** 78(6):1153–60, Dec 75

A comparative study between the cardiovascular effects of cetiedil, a new vasodilator, and papaverine and aminophylline. Simaan JA, et al. **J Pharmacol Exp Ther** 198(1):176–86, Jul 76

The effects of 5–bromo–2–thienyl–ethyl–ketone thiosenicarbazone on ovarian cyclicity and ovulation in the rat. Shaar CJ, et al. **J Reprod Fertil** 44(3):421–8, Sep 75

Relationship between pharmacological activity and blood level of a new anticholinergic agent, timepidium bromide (SA–504), in cats. Tamaki H, et al. **Jpn J Pharmacol** 26(2):209–15, Apr 76

Studies on the effect of a single dose of pizotifen on the electro–encephalographic pattern in healthy persons and in patients afflicted with migraine. Prusiński A, et al. **Pol J Pharmacol Pharm** 27(Suppl):183–7, Oct 75

[Comparison of the sedative effects of 2 alpha–sympathomimetic antihypertensive agents: clonidine and tiamenidine] Simon P, et al. **Therapie** 30(6):855–61, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

The effects of suprofen in rats with Mycobacterium butyricum–induced arthritis. Awouters F, et al. **Arzneim Forsch** 25(10):1526–37, Oct 75

Suprofen, a potent antagonist of ultraviolet–erythema in guinea–pigs. Awouters F, et al. **Arzneim Forsch** 25(10):1509–11, Oct 75

The activity of suprofen on nystatin–induced paw oedema in rats. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1516–9, Oct 75

The antipyretic effect of suprofen in rats with yeast–induced fever. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1519–24, Oct 75

The effects of suprofen in rats with implanted cotton pellets. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1524–6, Oct 75

Suprofen, a potent antagonist of sodium urate crystal–induced arthritis in dogs. Niemegeers CJ, et al. **Arzneim Forsch** 25(10):1512–5, Oct 75

Further experience with pizotifen in the treatment of migraine. Foster JB. **Curr Ther Res** 19(1):66–9, Jan 76

Pizotifen for migraine prophylaxis. **Drug Ther Bull** 14(8):29–30, 9 Apr 76

Experiment on healthy volunteers with the new antihistamine 22–914 (Sandoz). Petrin A. **Int J Clin Pharmacol Biopharm** 12(1–2):199–201, Jul 75

Antihistomonas activity of (5–nitro–1–thienyl)–n–acetylamine in experimental enterohepatitis of turkey poults. Bradley RE, et al. **J Parasitol** 62(4):643–4, Aug 76

Antiserotonin agents in the treatment of migraine. Prusiński A, et al. **Pol J Pharmacol Pharm** 27(Suppl):189–93, Oct 75

[Preventive treatment of migraine using a new antimigraine drug Sandomigran] Klapetek J. **Cesk Neurol Neurochir** 39(1):28–35, Jan 76 (Eng. Abstr.) **(Cze)**

[Basic treatment of migraine. Value of pizotifen (BC105)] Neuman M. **Med Chir Dig** 4(5–6):323, 1975 **(Fre)**

[Bronchodilator properties of a vasodilator: cetiedil] Orehek J, et al. **Nouv Presse Med** 5(25):1577–8, 19 Jun 76 **(Fre)**

[Studies on the pharmacodynamics and compatibility of the local anesthetic carticain] Niederdellmann H, et al. **Dtsch Zahnaerztl Z** 31(4):331–4, Apr 76 **(Ger)**

TOXICITY

Comparative toxicological studies of indole, benzo[b] thiophene, and 1-methylindole derivatives. Bosin TR, et al. **J Toxicol Environ Health** 1(3):515–20, Jan 76

THIOPHOSPHORIC ACID ESTERS see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

THIOPROPERAZINE

PHARMACODYNAMICS

Acute and subacute effects of neuroleptics dopamine synthesis and release in the rat striatum. Scatton B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):419–34, 30 Jul 75

Inhibition of striatal dopamine synthesis in rats injected chronically with neuroleptics in their early life. Velley L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):97–102, 6 May 75

[Study of the mutagenic activity of mazheptil] Revazova IuA, et al. **Tsitol Genet** 9(5):400–3, Sep–Oct 75 (Eng. Abstr.)

[The effect of psychotropic substances (aminazin, majeptil, trisedil) on protein synthesis in different regions of the rat brain] Maizelis MIa. **Biull Eksp Biol Med** 79(5):62–4, May 75 (Eng. Abstr.) **(Rus)**

TOXICITY

[Mutagenic activity of medical preparations and food additives in human lymphocyte cultures] Zhurkov VS. **Genetika** 11(4):146–9, Apr 75 (Eng. Abstr.) **(Rus)**

THIOREDOXIN see under **BACTERIAL PROTEINS**

THIOREDOXIN REDUCTASE (NADPH) see under **NADH, NADPH OXIDOREDUCTASES**

THIORHODACEAE see **CHROMATIACEAE**

THIORIDAZINE

ADMINISTRATION & DOSAGE

Potentiation by metyrosine of thioridazine effects in chronic schizophrenics. A long-term trial using double-blind crossover technique. Wålinder J, et al. **Arch Gen Psychiatry** 33(4):501–5, Apr 76

ADVERSE EFFECTS

Proceedings: Comparison of the effect of oxypertine and thioridazine on sensorimotor activity in chronic schizophrenics (a controlled study). Remr J, et al. **Act Nerv Super (Praha)** 17(4):213–4, 1975

Ventricular arrhythmia and thioridazine: a case report. Thornton WE, et al. **Am J Nurs** 76(2):245–6, Feb 76

Thioridazine and sexual dysfunction. Kotin J, et al. **Am J Psychiatry** 133(1):82–5, Jan 76

Association of priapism in phenothiazine therapy. Dorman BW, et al. **J Urol** 116(1):51–3, Jul 76

Letter: Acute hypotension from thioridazine. Kumar BB. **JAMA** 234(13):1321, 29 Dec 75

Letter: Cardiac arrhythmia induced by phenothiazine. Levine DF, et al. **Lancet** 2(7942):990, 15 Nov 75

Sudden unexplained death in a psychiatric patient taking thioridazine. Goodson WH Jr, et al. **South Med J** 69(3):311, 315, 320, Mar 76

Phenothiazine induced ventricular tachycardia. Tri TB, et al. **West J Med** 123(5):412–6, Nov 75

Electrophysiological studies on a case of thioridazine pigmentary retinopathy. Tamai A, et al. **Yonago Acta Med** 19(3):188–96, Dec 75

[Electrophysiological studies on a case of thioridazine pigmentary retinopathy (author's transl)] Tamai A, et al. **Acta Soc Ophthalmol Jpn** 80(3):113–6, Mar 76 (Eng. Abstr.) **(Jpn)**

[Icterus induced by thioridazine (Melleril). Report of 1 case] Kristensen O. **Tidsskr Nor Laegeforen** 95(33):1910–1, 30 Nov 75 (Eng. Abstr.) **(Nor)**

ANALOGS & DERIVATIVES

[Preparation, properties and analytical use of chlorpromazine and thioridazine tetraiodoplumbites] Nowakowski K, et al. **Acta Pol Pharm** 32(5):595–601, 1975 (Eng. Abstr.) **(Pol)**

ANALYSIS

Quantitative determination of thioridazine and nonconjugated thioridazine metabolites in serum and urine of psychiatric patients. Mårtensson E, et al. **Curr Ther Res** 18(5):687–700, Nov 75

GLC analysis of thioridazine, mesoridazine, and their metabolites. Dinovo EC, et al. **J Pharm Sci** 65(5):667–9, May 76

BLOOD

Binding of thioridazine and some of its metabolites to human serum protein and human albumin. Belpaire FM, et al. **Arzneim Forsch** 25(12):1969–71, 1975

Thioridazine plasma levels and clinical response. Gottschalk LA, et al. **Compr Psychiatry** 16(4):323–37, Jul–Aug 75

Serum concentration and elimination from serum of thioridazine in psychiatric patients. Axelsson R, et al. **Curr Ther Res** 19(2):242–65, Feb 76

Gas–liquid chromotographic determination of perazine, thioridazine and thioridazine metabolites in human plasma. Vanderheeren FA, et al. **J Chromatogr** 120(1):123–8, 12 May 76

Identification of a metabolite of thioridazine and mesoridazine from human plasma. Gruenke LD, et al. **Res Commun Chem Pathol Pharmacol** 10(2):221–5, Feb 75

PHARMACODYNAMICS

Psychomotor skills during subacute treatment with thioridazine and bromazepam, and their combined effects with alcohol. Saario I. **Ann Clin Res** 8(2):117–23, Apr 76

Letter: Effects of medication of plasma vitamin A concentrations. Curtis JL, et al. **Clin Chem** 22(5):695, May 76

Antagonism of the hyperactivity induced by dopamine applied intracerebrally to the nucleus accumbens septi by typical neuroleptics and by clozapine, sulpiride and thioridazine. Costall B, et al. **Eur J Pharmacol** 35(1):161–8, Jan 76

The effects of haloperidol and thioridazine on apomorphine- and LSD-induced hyperthermia in the rabbit. Roszell DK, et al. **J Psychiatr Res** 12(2):117–23, Aug 75

Behavioral evidence for supersensitivity after chronic administration of haloperidol, clozapine, and thioridazine. Smith RC, et al. **Life Sci** 19(5):725–31, 1 Sep 76

Detection of the nueroleptic properties of clozapine, sulpiride and thioridazine. Costall B, et al. **Psychopharmacologia** 43(1):69–74, 23 Jul 75

Effect of two weeks' treatment with thioridazine, chlorpromazine, sulpiride and bromazepam, alone or in combination with alcohol, on learning and memory in man. Liljequist R, et al. **Psychopharmacologia** 44(2):205–8, 31 Oct 75

[The interaction of acetylcholinesterase with thioridazine chlorohydrate and thiazinamium methylsulfate] Désiré B, et al. **C R Acad Sci [D] (Paris)** 281(15):1135–8, 13 Oct 75 (Eng. Abstr.) **(Fre)**

[The effect of mellerin on the lysosomal membranes of rat brain and liver] Tsilli EI, et al. **Zh Nevropatol Psikhiatr** 75(7):1076–9, 1975 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Proceedings: Chlorprothixen and thioridazine in maintenance therapy of longterm hospital psychotics. Vojtěchovský M, et al. **Act Nerv Super (Praha)** 17(4):212–3, 1975

Thioridazine in the treatment of depressive patients. de Jonghe FE, et al. **Acta Psychiatr Scand** 53(4):271–6, Apr 76

A comparison of antidepressant medications in neurotic and psychotic patients. Wittenborn JR, et al. **Arch Gen Psychiatry** 32(9):1172–6, Sep 75

Efficacy and side effects of nitrazepam and thioridazine as sleeping aids in psychogeriatric in-patients. Linnoila M, et al. **Br J Psychiatry** 128:566–9, Jun 76

Neurotic depression an empirical guide to two specific drug treatments. Kurland ML. **Dis Nerv Syst** 37(8):424–31, Aug 76

Clinical and neurophysiological investigations of combined thioridazine--d-amphetamine maintenance therapy and withdrawal in childhood behavior disorders. pp. 279–92. Simeon J, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Piperacetazine versus thioridazine in the treatment of organic brain disease: a controlled double-blind study. Goldstein SE, et al. **J Am Geriatr Soc** 24(8):355–8, Aug 76

Time-dependent effects of phenothiazines on dopamine turnover in psychiatric patients. Post RM, et al. **Science** 190(4213):488–9, 31 Oct 75

[Statistical analysis of the activity of loxapine and thioridazine in a double-blind study] Rainaut J. **Encephale** 1(2):147–60, 1975 (Eng. Abstr.) **(Fre)**

[Melleril-Sandox in daily use in a psychiatric department] Schlich D. **Med Monatsschr** 30(1):35–9, Jan 76 **(Ger)**

[Clinical testing of a new benzodiazepine, bromazepam, in a double blind test with thioridazine] Mironi F, et al. **Riv Neurobiol** 18(3–4):257–66, Jul–Dec 72 (Eng. Abstr.) **(Ita)**

[Experience with mellaril treatment of neurosis-like syndromes in hypertensive disease] Rozhdestvenskaia GG, et al. **Vrach Delo** (11):35–7, Nov 75 **(Rus)**

[Experience with haloperidol and thioridazine in stuttering children] Valdivieso A. **Rev Chil Pediatr** 45(6):509–11, 1974 **(Spa)**

THIOSEMICARBAZONES

Association of nucleic acids with complexes of N-methyl isatin-beta-thiosemicarbazone and copper. Mikelens PE, et al. **Biochem Pharmacol** 25(7):821–7, 1 Apr 76

Technetium-99m-kethoxal-bis(thiosemicarbazone), an uncharged complex with a tetravalent 99mTc state, and its excretion into the bile. Yokoyama A, et al. **J Nucl Med** 17(9):816–9, Sep 76

CHEMICAL SYNTHESIS

Potential antitumor agents. 13. 4-Methyl-5-amino-1-formylisoquinoline thiosemicarbazone. Agrawal KC, et al. **J Med Chem** 19(7):970–2, Jul 76

Comparative analysis of the cytotoxicity of substituted (phenylglyoxal bis(4-methyl-3-thiosemicarbazone)) copper (II) chelates. Coats EA, et al. **J Med Chem** 19(1):131–5, Jan 76

Synthesis of site-directed chelating agents II: 2-formyl-3-hydroxy-4,5-bis (hydroxymethyl)pyridine thiosemicarbazone. Agrawal KC, et al. **J Pharm Sci** 65(2):297–300, Feb 76

[Synthesis of barbiturate thio- and selenosemicarbazones] Tsurkan AA, et al. **Farm Zh** 30(6):45–7, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Synthesis and transformation of N4-substituted derivatives of thiazolidindion-2,4-thiosemicarbazone-4] Turkevich MM, et al. **Farm Zh** 31(3):77–8, May–Jun 76 **(Ukr)**

PHARMACODYNAMICS

Inactivation of lambda phage infectivity and lambda deoxyribonucleic acid transfection by N-methyl-isatin beta-thiosemicarbazone-copper complexes. Levinson W, et al. **Antimicrob Agents Chemother** 9(1):160–3, Jan 76

Strand-scission of Sarcoma 180 tumor cell DNA induced by 1-formylisoquinoline thiosemicarbazone. Tsiftsoglou AS, et al. **Biochem Pharmacol** 24(17):1631–3, 1 Sep 75

Proceedings: Effects of isatin beta-thiosemicarbazone-related compounds on vaccinia virus strains. Katz E, et al. **Isr J Med Sci** 11(11):1209–10, Nov 75

The effects of 5-bromo-2-thienyl-ethyl-ketone thiosenicarbazone on ovarian cyclicity and ovulation in the rat. Shaar CJ, et al. **J Reprod Fertil** 44(3):421–8, Sep 75

[Antiviral thiosemicarbazone and related compounds. III. Quantitative relationships between structure and antiviral activity of isantin-beta-isothio-semicarbazone against mengo virus] Franke R, et al. **Acta Biol Med Ger** 34(3):491–9, 1975 (Eng. Abstr.) **(Ger)**

[Fluorescent antibody method in the study of an antiviral agent: 5-sulfamido--isatin-thiosemicarbazone] Alexandrescu M, et al. **Rev Ig [Bacteriol]** 20(2):113–8, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Condensation of some thio- and selenosemicarbazones with symmetrical dichloroacetone] Tsurkan OO. **Farm Zh** (5):82–3, Sep–Oct 75 **(Ukr)**

THERAPEUTIC USE

Thiosemicarbazones and hydrazones of alpha-methylchalkone as potential chemotherapeutic agents. Prescott B. **Int J Clin Pharmacol Biopharm** 11(4):332–5, Jun 75

Inhibition of tumor cell transplantability by iron and copper complexes of 5-substituted 2-formylpyridine thiosemicarbazones. Antholine WE, et al. **J Med Chem** 19(2):339–41, Feb 76

[Proceedings: Pustulosis varioliformis of Kaposi-Juliusberg in an 11-year-old girl. Treatment using methisazone] Estavoyer JM, et al. **Pediatrie** 30(5):538, Jul–Aug 75 **(Fre)**

[Neuraxitis due to accidental inoculation of a massive subcutaneous dose of smallpox vaccine in a subject vaccinated and revaccinated against smallpox. Treatment and recovery with antivaccinal hyperimmune immunoglobulins and methisazone] Bertaggia A. **Minerva Pediatr** 27(29):1586–91, 22 Sep 75 (Eng. Abstr.) **(Ita)**

[Methisazone (Marboran) in the treatment of a generalized reaction to antivaciola vaccine] Cofre J. **Rev Chil Pediatr** 46(1):54–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Study of the antiviral activity of marborane and its analogs in experimental smallpox in rabbits] Loziuk LV. **Mikrobiol Zh** 36(2):224–9, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

THIOSTREPTON see under **ANTIBIOTICS**

THIOSULFATE SULFURTRANSFERASE see under **SULFURTRANSFERASES**

THIOSULFATES

ANALYSIS

[New color reaction for sodium thiosulfate and phthivazid] Zaputriaev BA, et al. **Farmatsiia** 24(1):77–8, Jan–Feb 75 **(Rus)**

METABOLISM

Reduction of tetrathionate, trithionate and thiosulphate, and oxidation of sulphide in proteus mirabilis. Oltmann LF,

et al. **Arch Microbiol** 105(2):135–42, 27 Oct 75
Product analysis of bisulfite reductase activity isolated from Desulfovibrio vulgaris. Drake HL, et al. **J Bacteriol** 126(2):733–8, May 76
Biochemical studies on sulfate-reducing bacteria. XIV. Enzyme levels of adenylylsulfate reductase, inorganic pyrophosphatase, sulfite reductase, hydrogenase, and adenosine triphosphatase in cells grown on sulfate, sulfite, and thiosulfate. Kobayashi K, et al. **J Biochem (Tokyo)** 78(5):1079–85, Nov 75
Thiosulphate as electron donor in the blue-green alga Anacystis nidulans. Utkilen HC. **J Gen Microbiol** 95(1):177–80, Jul 76
[Dark metabolism of Rhodospeudomonas sulfidophila] Keppen OI, et al. **Mikrobiologiia** 45(1):15–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Growth and oxidation of sulfur compounds by Thiocapsa roseopersicina in darkness] Kondrat'eva EN, et al. **Mikrobiologiia** 44(3):389–94, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Acrylonitrile biotransformation in rats, mice, and chinese hamsters as influenced by the route of administration and by phenobarbital, SKF 525-A, cysteine, dimercaprol, or thiosulfate. Gut I, et al. **Arch Toxicol (Berl)** 33(2):151–61, 14 Feb 75

THERAPEUTIC USE

Management of acute sulfide poisoning. Effects of oxygen, thiosulfate, and nitrite. Smith RP, et al. **Arch Environ Health** 31(3):166–9, May–Jun 76
The efficiency of aquocobalamine as an antidote in cyanide poisoning when given alone or combined with sodium thiosulfate. Friedberg KD, et al. **Arch Toxicol (Berl)** 33(2):103–13, 14 Feb 75
The use of thiosulfate to increase polymerization of IgM subunits. Konieczny L, et al. **Clin Chim Acta** 63(2):181–7, 1 Sep 75
Tinea versicolor hypopigmentation: histochemical and therapeutic studies. El-Gothamy Z, et al. **Int J Dermatol** 14(7):510–5, Sep 75
[Effectiveness of the treatment of cataracts by means of sodium thiosulfates] Averbakh GI, et al. **Oftalmol Zh** 30(7):515–6, 1975 (Eng. Abstr.) **(Rus)**

THIOSULFINIC ACIDS see under **SULFINIC ACIDS**

THIOSULFONIC ACIDS see under **SULFONIC ACIDS**

THIOSULFURIC ACID ESTERS see under **SULFURIC ACIDS**

THIOTHIXENE

ANALYSIS

High-pressure liquid chromatographic determination of thiothixene in pharmaceutical formulations. Wong CK, et al. **J Pharm Sci** 65(7):1090–2, Jul 76

PHARMACODYNAMICS

Biochemical and behavioural effects of thiothixene: relation to tissue levels of the drug. Mjörndal T, et al. **Acta Pharmacol Toxicol (Kbh)** 38(5):490–6, May 76

THERAPEUTIC USE

Controlled trial of penfluridol and thiothixene in the maintenance treatment of chronic schizophrenic syndromes. Jacobsson L, et al. **Acta Psychiatr Scand** 54(2):113–24, Aug 76
The efficacy and safety of loxapine succinate in the treatment of schizophrenia: a comparative study with thiothixene. Vianna Filho U, et al. **Curr Ther Res** 18(3):476–90, Sep 75
Comprehesiven clinical studies with thiothixene. Ban TA, et al. **Dis Nerv Syst** 36(9):473–7, Sep 75
The assessment of thiothixene in chronic schizophrenia. A double-blind controlled trial. Burnett GB, et al. **Dis Nerv Syst** 36(11):625–9, Nov 75
Thiothixene in the treatment of geriatric patients with chronic organic brain syndrome. Rada RT, et al. **J Am Geriatr Soc** 24(3):105–7, Mar 76
Successful use of thiothixene in two cases of pathological jealousy. Herceg N. **Med J Aust** 1(16):569–70, 17 Apr 76
The effects of thiothixene in geriatric patients with chronic organic brain syndrome. Rada RT, et al. **Psychopharmacol Bull** 12(2):30–2, Apr 76
Proceedings: A comparative study of thiothixene and chlorpromazine in chronic schizophrenic patients: application of a special psychometric test battery. Ruiz-Navarro JF, et al. **Psychopharmacol Bull** 12(1):38–9, Jan 76

THIOURACIL

ADVERSE EFFECTS

Effect of thiouracil upon canine arterial elastic tissue. Trillo A. **Atherosclerosis** 22(3):369–77, Nov–Dec 75

ANALOGS & DERIVATIVES

Synthesis and anticancer activity of 5-diethylaminomethyl derivatives and nitrogen mustards of uracil and 2-thiouracils. Fabrissin S, et al. **J Med Chem** 19(5):639–42, May 76
Antitumor effect of 2-thio-4-hydrazinouracil on transplantable tumors. Golovinsky EV, et al. **Neoplasma** 22(3):255–8, 1975

ANALYSIS

[Sub-ppm determination of thiouraciles applicated as thyreostatics in meat by high pressure liquid chromatography (author's transl)] Wildanger W. **Z Lebensm Unters Forsch** 158(1):1–3, 30 May 75 **(Ger)**

PHARMACODYNAMICS

Inhibition of turnip yellow mosaic virus synthesis by pyrimidine analogues. Ralph RK, et al. **Biochim Biophys Acta** 444(1):261–8, 24 Aug 76
Inhibition of Bacillus subtilis DNA polymerase III by arylhydrazinopyrimidines. Novel properties of 2-thiouracil derivatives. Wright GE, et al. **Biochim Biophys Acta** 432(1):37–48, 15 Apr 76
The mechanism of action of the thioureylene antithyroid drugs. Taurog A. **Endocrinology** 98(4):1031–46, Apr 76
Lipophilic thiourea and thiouracil as inhibitors of oxidative phosphorylation. Bäuerlein E, et al. **FEBS Lett** 61(1):68–71, 01 Jan 76
Thyroid hormone and metabolism of glycosaminoglycans in rabbits. Devi CS, et al. **Indian J Biochem Biophys** 12(1):43–6, Mar 75

THIOUREA

A rapid and sensitive auxin binding system for detecting N6-substituted adenines, and some urea and thiourea derivatives, that show cytokinin activity in cell division tests. Léjohn HB. **Can J Biochem** 53(7):768–78, Jul 75
Some chemical aspects of histamine H2-receptor antagonists. Ganellin CR, et al. **Fed Proc** 35(8):1924–30, Jun 76
[The effects of urea and urea derivatives on the water solubility of some drugs] Rohdewald P. **Pharmazie** 30(7):460–3, Jul 75 **(Ger)**

ADVERSE EFFECTS

[Thiocarbamides. Taste disorders--minor side effects] Naes K. **Tidsskr Nor Laegeforen** 95(22):1230–1, 10 Aug 75 **(Nor)**
[Leukopenia and agranulocytosis induced by drugs] Naess K. **Tidsskr Nor Laegeforen** 96(9–10):589–90, 30 Mar 76 **(Nor)**

ANALOGS & DERIVATIVES

The influence of mepyramine and burimamide on histamine induced catalepsy in the rat. Nowak JZ, et al. **Acta Physiol Pol** 26(5):529–32, Sep–Oct 75
Effect of the H2-receptor antagonist metiamide on carbachol- and histamine-induced gastric acid secretion in the Atlantic cod,Gadus morhua. Holstein B. **Acta Physiol Scand** 97(2):189–95, Jun 76
Inhibition of basal and stimulated gastric H+ and pepsin secretion in duodenal ulcer patients by metiamide, an H-2 histamine antagonist. Bajaj SC, et al. **Am J Dig Dis** 21(7):557–62, Jul 76
The effect of prolonged metiamide administration on gastric acid secretion in man. Barbezat GO, et al. **Am J Dig Dis** 21(6):473–6, Jun 76
Metiamide in the Zollinger-Ellison syndrome. Blair EL, et al. **Am J Dig Dis** 20(12):1123–30, Dec 75
Early clinical experience with metiamide, a histamine H2-receptor antagonist, in patients with duodenal ulcer. Thompson MH, et al. **Am J Dig Dis** 20(12):1135–41, Dec 75
Letter: Metiamide in duodenal ulcer. Thompson MK, et al. **Am J Dig Dis** 21(6):434, May 76
Effect of the histamine (H2) inhibitor metiamide on histamine-stimulated bile flow in dogs. Kaminski DL, et al. **Am J Physiol** 231(2):516–21, Aug 76
Metiamide: an antagonist of histamine-stimulated gastric acid secretion. Magee DF. **Ann Surg** 182(5):627–34, Nov 75
Inhibition of spermatogenesis in gerbil (Meriones hurrianae) hedgehog (Hemiechinus auritus collaris) and mice after methallibure (ICI 33828) treatment. Dixit VP, et al. **Arch Biol (Liege)** 85(3):343–52, 1974
Effects of metiamide on distribution of 14C-histamine in aortic smooth muscle. Goodman FR, et al. **Arch Int Pharmacodyn Ther** 218(2):212–20, Dec 75
Inhibition of dopamine beta-hydroxylase by some new thiourea derivatives. Oyama H, et al. **Biochem Pharmacol** 25(3):277–80, 1 Feb 76
Blockade by burimamide of the restorative effect of histamine in tetrodotoxin-treated heart preparations. Ledda F, et al. **Br J Pharmacol** 57(2):247–9, Jun 76
Displacement by metiamide of the dose-response curves to pentagastrin and methacholine in the conscious rat. Lundell L. **Br J Pharmacol** 54(4):597–9, Aug 75
The effect of metramide on the prolonged serum gastrin response to feeding observed in patients with duodenal ulcer. Blair EL, et al. **Br J Surg** 63(8):599–602, Aug 76
A controlled trial if intraperitoneal noxytiolin in perforated appendicitis. Gurry JF, et al. **Br J Surg** 63(5):400–1, May 76
The effect of noxytiolin in experimental peritonitis. King DW, et al. **Br J Surg** 62(8):645–6, Aug 75
Proceedings: The effect of noxytiolin (Noxyflex) in peritonitis due to perforated appendicitis. King DW, et al. **Br J Surg** 62(8):659, Aug 75
On the specificity of histamine H2-receptor antagonists in the rat cerebral cortex. Phillis JW, et al. **Can J Physiol Pharmacol** 53(6):1205–9, Dec 75
Effect of metiamide on acid secretion from isolated kitten fundic mucosa. Tepperman BL, et al. **Can J Physiol Pharmacol** 53(6):1141–6, Dec 75
Current concepts in drug therapy. No. 17. Histamine H2 - receptor antagonists. Lionel ND. **Ceylon Med J** 20(2):124, Jun 75
Effects of metiamide on the human stomach. Thjodleifsson B, et al. **Clin Sci Mol Med** 49(5):445–58, Nov 75
Effects of long-term treatment with metiamide. Thjodleifsson B, et al. **Digestion** 12(3):134–43, 1975
Studies on the mechanism of toxicity and of development of tolerance to the pulmonary toxin, alpha-naphthylthiourea (ANTU). Boyd MR, et al. **Drug Metab Dispos** 4(4):314–22, Jul–Aug 76
The effects of Methallibure (ICI 33,828) on the LH release in castrate male rats challenged with LHRH. Mueh J, et al. **Endocrinology** 97(2):493–5, Aug 75
Inhibition of thyroid function and thyrotrophic activity following the administration of methallibure (ICI-33 828). Dixit VP, et al. **Endokrinologie** 65(1):66–71, Feb 75
Effect of metiamide, a histamine H2 - receptor antagonist, on the development of gastric stress ulcers and acid secretion. Bugajski J, et al. **Eur J Pharmacol** 36(1):237–40, Mar 76
The effects of metiamide on gastric secretion and stress ulceration in rats. Dai S, et al. **Eur J Pharmacol** 33(2):277–82, Sep–Oct 75
Chemical modification of genetic damage from continuous irradiation in mice. Bajrakova AK, et al. **Experientia** 32(7):924–5, 1976
Gastric secretion during anaesthesia and its inhibition by metiamide and other drugs. Schachter M, et al. **Experientia** 31(8):964–5, 15 Aug 75
The pharmacology of burimamide and metiamide, two histamine H2-receptor antagonists. Brimblecombe RW, et al. **Fed Proc** 35(8):1931–4, Jun 76
Clinical experience with metiamide. Haggie SJ, et al. **Fed Proc** 35(8):1948–52, Jun 76
Effects of prolonged ethylene thiourea ingestion on the thyroid of the rat. Graham SL, et al. **Food Cosmet Toxicol** 13(5):493–9, Oct 75
Action of metiamide on the lower esophageal sphincter. Cohen S, et al. **Gastroenterology** 69(4):911–9, Oct 75
Letter: Metiamide and the lower esophageal sphincter. De Carle DJ, et al. **Gastroenterology** 70(2):296–7, Feb 76
Studies with metiamide in the prevention of duodenal ulceration in the rat. Kaplan E, et al. **Gastroenterology** 70(3):475–6, Mar 76
The effect of metiamide, an H2-receptor antagonist, in the prevention of experimental stress ulcers. Safaie-Shirazi S, et al. **Gastroenterology** 71(3):421–5, Sep 76
Compensatory hypertrophy of the remaining ovary and the effects of methallibure in the unilaterally ovariectomized Tilapia aurea. Dadzie S, et al. **Gen Comp Endocrinol** 29(4):433–40, Aug 76
Proceedings: A controlled trial of H2-receptor antagonists in prophylaxis of bleeding from gastrointestinal erosions in fulminant hepatic failure. Bailey RJ, et al. **Gut** 17(5):389, May 76
Proceedings: The effect of the histamine H2-receptor on canine gastric mucosal barrier. Kenyon G, et al. **Gut** 17(5):388, May 76
Proceedings: The effect of cimetidine on lower oesophageal sphincter pressure in man. Osborne DH, et al. **Gut** 17(5):388–9, May 76
Proceedings: Role of histamine receptors in the pathophysiology of gastric mucosal damage. Rees WD, et al. **Gut** 17(5):388, May 76
Aspects of the effect of metiamide on pentagastrin-stimulated and basal gastric secretion of acid and pepsin in man. Thjodleifsson B, et al. **Gut** 16(7):501–8, Jul 75
Proceedings: Should peptic ulcer treatment relieve symptoms or heal ulcers? Thompson MH, et al. **Gut** 17(5):397, May 76
Proceedings: The prevention of relapse in duodenal ulceration by long-term nocturnal metiamide treatment. Thompson MH, et al. **Gut** 17(5):389, May 76
Inhibition of spermatogenesis in the pigeon, Columba livia Gmelin, following the administration of methallibure (ICI 33828): a confirmation. Dixit VP, et al. **Indian J Exp Biol** 13(5):490–1, Sep 75
Behavior and fate of ethylenethiourea in plants. Hoagland RE, et al. **J Agric Food Chem** 24(1):129–33, Jan–Feb 76
The relationship between right duct lymph flow and extravascular lung water in dogs given alpha-naphthylthiourea. Pine MB, et al. **J Clin Invest** 58(2):482–92, Aug 76
A possible role for oxytocin in sperm transport in the male rabbit. Sharma OP, et al. **J Endocrinol** 68(1):43–7, Jan 76
Synthesis of N-hydroxythiourea. Sato M, et al. **J Med Chem** 19(2):336–7, Feb 76
Metiamide-treatment of brain oedema in animals exposed to 90yttrium irradiation. Joó F, et al. **J Pharm Pharmacol** 28(2):162–3, Feb 76
CNS depressant activity of pyrimidylthiazolidones and their selective inhibition of NAD-dependent pyruvate oxidation.

Chaudhary M, et al. **J Pharm Sci** 65(3):443–6, Mar 76

A quantitative study of metiamide, a histamine H2–antagonist, on the isolated whole rat stomach. Bunce KT, et al. **J Physiol (Lond)** 258(2):453–65, Jun 76

Proceedings: Suppression of histamine leucocytosis by metiamide. Code CF. **J Physiol (Lond)** 254(1):31P–32P, Jan 76

The prevention of stress ulcers by metiamide, an H2–receptor antagonist. Bodily K, et al. **J Surg Res** 20(3):203–9, Mar 76

Letter: Metiamide in duodenal ulcer. **Lancet** 2(7942):973–4, 15 Nov 75

Letter: Reversal of metiamide–induced agranulocytosis during treatment with cimetidine. Burland WL, et al. **Lancet** 2(7944):1085, 29 Nov 75

Letter: Cimetidine, metiamide and gastric ulcer. Logan RF, et al. **Lancet** 1(7960):650, 20 Mar 76

Treatment of stress–induced upper gastrointestinal/hemorrhage with metiamide. MacDonald AS, et al. **Lancet** 1(7950):68–70, 10 Jan 76

The value of a histamine H2–receptor antagonist in the management of patients with the Zollinger–Ellison syndrome. Richardson CT, et al. **N Engl J Med** 294(3):133–5, 15 Jan 76

Letter: H2–receptor antagonists for Z–E syndrome. Shumaker JB. **N Engl J Med** 294(18):1010–11, 29 Apr 76

Preliminary survey of ethylenethiourea residues in the Canadian food supply, 1972. Pecka Z, et al. **Pestic Monit J** 8(4):232–4, Mar 75

The cyclodesulphurization of thio–compounds. Part 12: A new simple method for the synthesis of N–alpha–substituted benzimidazoles from thiourea derivatives. Omar AM, et al. **Pharmazie** 31(6):348–50, Jun 76

The drug treatment of leprosy. Browne SG. **Practitioner** 215(1288):493–500, Oct 75

The effects of metiamide on the 'activity–stress' ulcer in rats. Houser VP, et al. **Psychopharmacologia** 44(1):37–41, 14 Oct 75

Action of somatostatin and metiamide on gastric acid secretion from isolated bullfrog gastric mucosa. Warrick MW, et al. **Res Commun Chem Pathol Pharmacol** 13(1):149–52, Jan 76

Effect of a histamine H2–receptor antagonist and an anticholinergic on gastric acid secretion in man. Barbezat GO, et al. **S Afr Med J** 50(22):849–51, 22 May 76

Effect of histamine H2–receptor blockade on gastric emptying and serum gastrin in man. Forrest JA, et al. **Scott Med J** 21(1):23–7, Jan 76

New histamine antagonists. Forrest JA. **Scott Med J** 21(1):2–3, Jan 76

Distribution and behaviour of isoselenouronium salts in the body. IV. 2–Aminoselenoazoline. Kozák I, et al. **Strahlentherapie** 150(6):590–6, Dec 75

Distribution and behavior of isoselenouronium salts in the body. V. Acute toxicity and metabolic fate of selenium derivatives. Kozák I, et al. **Strahlentherapie** 151(1):78–83, Jan 76

Distribution and behavior of isoselenouronium salts in the body. VI. Comparative study of distribution and radioprotectivity of selenium derivatives. Kozák I, et al. **Strahlentherapie** 151(1):84–7, Jan 76

Mechanism of metiamide inhibition of gastric acid secretion. Brown BN, et al. **Surg Forum** 26:357–9, 1975

Effect of metiamide in prevention of experimental stress ulcers. Foster LD, et al. **Surg Forum** 26:360–1, 1975

Further studies on histamine in spinal cord injury and post traumatic hyperemia. Kobrine AI, et al. **Surg Neurol** 5(2):101–3, Feb 76

Pattern of anomalies following single oral doses of ethylenethiourea to pregnant rats. Ruddick JA, et al. **Teratology** 12(3):277–81, Dec 75

[Dose–response curves obtained with metiamide in the Zollinger–Ellison syndrome] Mignon M, et al. **Biol Gastroenterol (Paris)** 8(3):239–44, Jul–Aug 75 **(Fre)**

[Zollinger–Ellison syndrome treated medically by an inhibitor of H2 histamine receptors] Bonfils S, et al. **Nouv Presse Med** 4(33):2377–81, 11 Oct 75 (Eng. Abstr.) **(Fre)**

[Letter: Treatment of Zollinger–Ellison syndromes with metiamide or cimetidine. Potential risk of hyperimmunization manifestations] Moulias R, et al. **Nouv Presse Med** 5(3):149–50, 17 Jan 76 **(Fre)**

[Effects of Turisynchron and Suisynchron on the thyroid gland in rats during simultaneous administration of TSH] Löw O, et al. **Arch Exp Veterinaermed** 29(3):375–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Antiviral agents. 6. Variation of substituents in the series of N'–substituted N–(adamantyl–(1))–thioureas] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 308(10):748–54, Oct 75 (Eng. Abstr.) **(Ger)**

[Synthesis of new urea– and thiourea– derivatives. 2. Substituted hippuric acid esters] Drugărin C, et al. **Pharmazie** 31(3):192, 1976 **(Ger)**

[Synthesis fo asymmetric disubstituted urea and thiourea derivatives. 1.] Drugărin C, et al. **Pharmazie** 31(3):151–2, 1976 **(Ger)**

[Thiourea derivatives of 1,3,4–thiadiazole and their cyclization products] Russo F, et al. **Farmaco [Sci]** 30(12):1031–8, Dec 75 (Eng. Abstr.) **(Ita)**

[Studies on catecholamine biosynthesis. IV. Inhibition of dopamine beta–hydroxylase by thiourea derivatives (author's transl)] Ozawa H, et al. **J Pharm Soc Jpn** 95(4):373–7, Apr 75 (Eng. Abstr.) **(Jpn)**

[Effect of phenamine and gutimine and gutimine on adaptive changes in arterial pressure occurring during skeletal muscle contraction] Medvedev OS, et al. **Biull Eksp Biol Med** 80(12):41–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Radioprotective properties of some phosphorus–containing derivatives of isothiuronium] Il'iuchenok TIu, et al. **Farmakol Toksikol** 39(2):191–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Influence of hypertensive substances on the kallikrein–kinin system of the blood] Kovalev GV, et al. **Farmakol Toksikol** 38(4):449–53, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Use of gutimin for the treatment of experimental traumatic shock] Kuz'mina RI, et al. **Farmakol Toksikol** 38(4):458–63, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Use of gutimine for treatment of chronic coronary insufficiency] Megrelishvili RI, et al. **Kardiologiia** 15(7):57–63, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of carbon chain length in the aliphatic series of diisothiuronium compounds on donor properties and radioprotective activity] Izmozherov NA, et al. **Radiobiologiia** 15(6):923–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Use of guthimine for treatment of intestinal paresis in peritonitis under experimental and clinical conditions] Timofeev NN, et al. **Vestn Khir** 115(8):39–43, Aug 75 (Eng. Abstr.) **(Rus)**

[Treatment of intestinal paresis by intravenous administration of gutimine] Timofeev NN. **Zdravookhr Kirg** (1):28–32, Jan–Feb 76 **(Rus)**

[Clinical and experimental study on an anti–inflammatory preparation of topical use. The 10–undecentil–1–11 pseudothiourea (AHR–1911)] Ercoli N. **Med Cutan Iber Lat Am** 3(5):393–7, 1975 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Catalytic method of determining certain sulfur–containing compounds (thiourea, etc.) in air] Gershkovich EE. **Gig Sanit** (9):77–9, Sep 75 **(Rus)**

BLOOD

Permeability of rabbit polymorphonuclear leukocyte membranes to urea and other nonelectrolytes. Sha'afi R, et al. **Biochim Biophys Acta** 436(1):242–6, 4 Jun 76

METABOLISM

Binding of radioactivity from (14C)thiourea to rat lung protein. Hollinger MA, et al. **Drug Metab Dispos** 4(2):119–23, Mar–Apr 76

Uptake of ethylenebis(dithiocarbamate) fungicides and ethylenethiourea by soybeans. Nash RG. **J Agric Food Chem** 24(3):596–601, May–Jun 76

Tissue distribution and binding of radioactivity from 14C–thiourea in the rat. Hollinger MA, et al. **Proc West Pharmacol Soc** 18:351–3, 1975

[Effect of histamine on the transport of non–electrolytes across the gastric mucosa of Rana esculenta] Schettino T, et al. **Boll Soc Ital Biol Sper** 52(7–8):537–40, 30 Apr 76 **(Ita)**

PHARMACODYNAMICS

Influence of amino acids, thiourea and hydroquinone on cellulolytic activity in some Fusarium strains. Szajer C. **Acta Microbiol Pol [B]** 7(2):111–24, 1975

Effect of thiourea on calcitonin cells of the Indian grey mongoose Herpestes edwardsi (Geoffroy). Swarup K, et al. **Endokrinologie** 66(1):104–7, Sep 75

Histopathological effect of thiourea on the ovarian tissues of Sarcophaga ruficornis (Fabr.). Chaudhry HS, et al. **Experientia** 32(1):103–4, 15 Jan 76

Lipophilic thiourea and thiouracil as inhibitors of oxidative phosphorylation. Bäuerlein E, et al. **FEBS Lett** 61(1):68–71, 01 Jan 76

Effect of thiourea on pulmonary vascular leakage in rats of different ages. Rice SA, et al. **Proc West Pharmacol Soc** 18:128–32, 1975

Chemical protection against radiation–induced DNA single–strand breaks in cultured mammalian cells. Antoku S. **Radiat Res** 65(1):130–8, Jan 76

THERAPEUTIC USE

[Use of gutimin for the treatment of experimental traumatic shock] Kuz'mina RI, et al. **Farmakol Toksikol** 38(4):458–63, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Effects of thiourea treatment on thyroid & ovary of the catfish Heteropneustes fossilis (Bloch). Mukherjee A. **Indian J Exp Biol** 13(4):327–32, Jul 75

THIOURIDINE

4–Thiouridine, a built–in probe for structural changes in transfer RNA. Shalitin N, et al. **Biochemistry** 15(10):2092–7, 18 May 76

Affinity labelling of phenylalanyl–tRNA synthetase from E. coli MRE–600 by E. coli tRNAphe containing photoreactive group. Gorshkova II, et al. **Nucleic Acids Res** 3(6):1577–90, Jun 76

In vivo induction of 4–thiouridine–cytidine adducts in tRNA of E. coli B/r by near–ultraviolet radiation. Ramabhadran TV, et al. **Photochem Photobiol** 23(5):315–21, May 76

ANALOGS & DERIVATIVES

Syntheses of potential antimetabolites. XX. Syntheses of 5–carbomethoxymethyl– and 5–methylaminomethyl–2–thiouridine (the 'first letters' of some anticodons) and closely related nucleosides from uridine. Ikeda K, et al. **Chem Pharm Bull (Tokyo)** 23(11):2958–64, Nov 75

Synthesis and biological activity of 5–fluoro–4'–thiouridine and some related nucleosides. Bobek M, et al. **J Med Chem** 18(8):784–7, Aug 75

ANALYSIS

Role of modified nucleosides in tRNA: effect of modification of the 2–thiouridine derivative located at the 5'–end of the anticodon of yeast transfer RNA Lys2. Sen GC, et al. **Nucleic Acids Res** 3(3):523–35, Mar 76

METABOLISM

Binding of methylmercuric hydroxide by 4–thiouridine of N–formylmethionyl–tRNA from Escherichia coli. Maguire RJ. **Can J Biochem** 54(6):583–7, Jun 76

PHARMACODYNAMICS

Inhibition of turnip yellow mosaic virus synthesis by pyrimidine analogues. Ralph RK, et al. **Biochim Biophys Acta** 444(1):261–8, 24 Aug 76

RADIATION EFFECTS

4–Thiouridine as the target for near–ultraviolet light induced growth delay in Escherichia coli. Thomas G, et al. **Biochem Biophys Res Commun** 66(4):1454–61, 27 Oct 75

THIOXANTHENES

ADMINISTRATION & DOSAGE

Hycanthone dose–response in treatment of schistosomiasis mansoni in St. Lucia. Cook JA, et al. **Am J Trop Med Hyg** 25(4):602–7, Jul 76

A review of the clinical pharmacology of hycanthone. Dennis EW, et al. **Egypt J Bilharz** 1(1):35–53, 1974 (22 ref.)

[Hycanthone in a single intramuscular dose. Therapeutic results obtained in subjects excreting S. mansoni eggs and treated at Kapolowe (region of the artificial lake of Lufira, Republic of Zaire)] Raccurt C, et al. **Bull Soc Pathol Exot** 67(4):425–35, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

The problem of post–psychotic schizophrenic depressions and their pharmacological induction. Long–term studies with fluspirilene and penfluridol and single–blind trial with fluphenazine–decanoate and flupenthixol–decanoate. Floru L, et al. **Int Pharmacopsychiatry** 10(4):230–9, 1975

Long–term hepatocellular effects of hycanthone and of two other anti–Schistosomal drugs in mice infected with Schistosoma mansoni. Haese WH, et al. **J Pharmacol Exp Ther** 197(3):703–13, Jun 76

[Letter: 3 deaths following administration of hycanthone (Etrenol)] Stolte JB. **Ned Tijdschr Geneeskd** 120(18):795–6, 1 May 76 **(Dut)**

[Allergotoxic brain reaction to flupentixol–depot] Bukowczyk A, et al. **Psychiatr Pol** 10(2):197–201, Mar–Apr 76 **(Pol)**

ANALOGS & DERIVATIVES

Low mutagenic activity of four hycanthone analogues in Drosophila melanogaster. Kramers PG, et al. **Mutat Res** 31(6):395–400, Dec 75

ANALYSIS

Determination of 3–(5–tetrazolyl) thioxanthone 10,10–dioxide in human plasma, urine and faeces. Bye A, et al. **J Chromatogr** 115(1):93–9, 10 Dec 75

CLASSIFICATION

The Liege physiognomy of neuroleptics, with special reference to thioxanthenes. Bobon DP, et al. **Acta Psychiatr Belg** 74(5):535–44, Sep 74

METABOLISM

[Placental transfer of psychotherapeutics of the thioxanthene type (author's transl)] Dell HD, et al. **Arzneim Forsch** 25(11):1807–9, Nov 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Pharmacokinetics of flupentixol decanoate. Vranckx CH, et al. **Acta Psychiatr Belg** 74(5):529–32, Sep 74

Anticholinergic properties of the antischistosomal drug hycanthone. Hillman GR, et al. **Am J Trop Med Hyg** 24(5):827–34, Sep 75

Effect of two weeks' treatment with chlordiazepoxide or flupenthixole, alone or in combination with alcohol, on psychomotor skills related to driving. Linnoila M, et al. **Arzneim Forsch** 25(7):1088–92, Jul 75

Acetylcholine receptors in Schistosoma Mansoni:

visualization and blockade by hycanthone. Hillman GR, et al. **Biochem Pharmacol** 24(20):1911–4, 15 Oct 75

The actions of flupenthixol upon 5-hydroxytryptamine-induced aggregation and the uptake of 5-hydroxytryptamine and dopamine by human blood platelets. Boullin DJ, et al. **Br J Pharmacol** 55(4):555–7, Dec 75

Alpha-flupenthixol-induced hyperactivity by chronic dosing in rats. Sahakian BJ, et al. **Eur J Pharmacol** 37(1):169–78, May 76

Development of tolerance in animals by repeated administration of neuroleptics. pp. 383–5. Moller Nielsen I, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Phenothiazine antagonism of the noradrenergic inhibition of cerebellar Purkinje neurons. Freedman R, et al. **J Neurobiol** 6(3):277–88, May 75

Long-term effects of teflutixol on the synthesis and endogenous levels of mouse brain catecholamines. Hyttel J. **J Neurochem** 25(5):681–6, Nov 75

A study of chromosomes of lymphocytes from patients treated with hycanthone. Frota-Pessoa O, et al. **J Toxicol Environ Health** 1(2):305–7, Nov 75

Additional statistical evaluation and pharmacological considerations of hycanthone methanesulfonate-induced dominant lethality. Green S, et al. **J Toxicol Environ Health** 1(2):293–9, Nov 75

Genetic activity spectra of some antischistosomal compounds, with particular emphasis on thioxanthenones and benzothiopyranoindazoles. Hartman PE, et al. **J Toxicol Environ Health** 1(2):243–70, Nov 75 (136 ref.)

A comparative study on the genetic effects of hycanthone and oxamniquine. Ray VA, et al. **J Toxicol Environ Health** 1(2):211–7, Nov 75

Results of tests for possible transmitted genetic effects of hycanthone in mammals. Russell WL. **J Toxicol Environ Health** 1(2):301–4, Nov 75

Evaluation of the teratogenic activity of hycanthone in mice and rabbits. Sieber SM, et al. **J Toxicol Environ Health** 1(2):309–22, Nov 75

Mutagenicity testing of antischistosomal thioxanthenones and indazoles on yeast. von Borstel RC, et al. **J Toxicol Environ Health** 1(2):281–91, Nov 75

Inhibition of adenosine-3',5'-cyclic monophosphate phosphodiesterase by potential antiallergic compounds. Tateson JE, et al. **Life Sci** 18(2):153–61, 15 Jan 76

Proceedings: Evaluation of the mutation spectrum induced by hycanthone in Drosophila melanogaster; mutagenicity of hycanthone analogues. Kramers PG, et al. **Mutat Res** 29(2):251–2, Aug 75

Actions of a dopamine analogue and a neuroleptic at a neuroglandular synapse. House CR, et al. **Nature** 261(5558):332–3, 27 May 76

[Difference in sensitivity to sedative drugs between infant and child of school age. Study of a new sedative, BP 400 (author's transl)] Du Pan RM, et al. **Praxis** 64(33):1050–7, 19 Aug 75 (Eng. Abstr.) **(Fre)**

[Effect of prothixen and related compounds on serotonin absorption by human thrombocytes] Oksenkrug GF. **Biull Eksp Biol Med** 80(8):74–7, Aug 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Acute and early chronic phases of schistosomiasis mansoni in children treated with hycanthone. Tonelli E, et al. **Acta Gastroenterol Latinoam** 6(3):125–36, Jul 75

Flupentixol in depression. Nisticó G, et al. **Acta Neurol (Napoli)** 30(1):102–8, Jan–Feb 75

Antiautistic effect of flupentixol. De Buck RP. **Acta Psychiatr Belg** 74(5):520–5, Sep 74

Flupentixol and flupentixol decanoate, with special reference to their antipsychotic effect. Gottfries CG. **Acta Psychiatr Belg** 74(5):507–16, Sep 74

Clinical physiognomy of flupentixol. Gunby B. **Acta Psychiatr Belg** 74(5):500–6, Sep 74

Clinical and electoencephalographical studies of the thioxanthenes. Holden JM. **Acta Psychiatr Belg** 74(5):526–8, Sep 74

Ataraxic and antimanic effects of thioxanthenes. Meurice E. **Acta Psychiatr Belg** 74(5):516–9, Sep 74

Clinical physiognomy of chlorprothixene and clopentixol. Rimestad S. **Acta Psychiatr Belg** 74(5):491–9, Sep 74

Effect of flupenthixol on depression with special reference to combination use with tricyclic antidepressants. An uncontrolled pilot study with 45 patients. Fujiwara J, et al. **Acta Psychiatr Scand** 54(2):99–105, Aug 76

The treatment of schistosomiasis mansoni in Murang'a District, Kenya: a double blind controlled trial of three hycanthone regimens and oxamniquine. Rees PH, et al. **Am J Trop Med Hyg** 24(5):823–6, Sep 75

Letter: Flupenthixol for depression. **Br Med J** 1(6022):1405, 5 Jun 76

Letter: Depot neuroleptics. Bennie EH. **Br Med J** 1(6022):1404, 5 Jun 76

Letter: Flupenthixol for depression. Dowson JH. **Br Med J** 2(6026):45, 3 Jul 76

A controlled comparison of flupenthixol and amitriptyline in depressed outpatients. Young JP, et al. **Br Med J** 1(6018):1116–8, 8 May 76

A double-blind study of flupenthixol ('Fluanxol') in general practice. Ovhed I. **Curr Med Res Opin** 4(2):144–50, 1976

The effect of a second dose of hycanthone alone and with progesterone caproate on the cure rate and the side reactions of hycanthone in the treatment of S. haematobium infected cases. El-Abdin AZ, et al. **Egypt J Bilharz** 1(1):117–33, 1974

Therapeutic evaluation of hycanthone in school children in rural endemic area in Egypt. Mousa AH, et al. **Egypt J Bilharz** 1(1):65–83, 1974

Long-term treatment of psychiatric patients with clopenthixol. Analysis of laboratory investigations. pp. 391–2. Hansen V, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

The treatment of endomorphous and psychogenic depressions with a fixed combination of amitriptyline/flupenthixol (Lu 7410). Saletu B, et al. **Int Pharmacopsychiatry** 11(2):109–28, 1976

Clinical evaluation of niridazole and hycanthone in schistosomiasis mansoni endemic areas. Katz N. **J Toxicol Environ Health** 1(2):203–9, Nov 75

Clinical treatment of schistosomiasis mansoni with a new schistosomicidal agent: hycanthone or etrenol. Sotomayor ZR, et al. **J Trop Med Hyg** 79(1):18–21, Jan 76

[Double-blind multicenter trial in general practice on fluphenthixol versus nortriptyline in patients with anxiety-depression-asthenia (the 'ADA'-syndrome)] Rosenberg IU, et al. **Tidsskr Nor Laegeforen** 96(4):229–33, 255, 10 Feb 76 (Eng. Abstr.) **(Nor)**

TOXICITY

Absence of liver toxicity in 2723 patients treated with hycanthone in St. Lucia. Cook JA, et al. **Ann Trop Med Parasitol** 70(1):109–11, Mar 76

The toxicity of thioxanthene neuroleptics to isolated rat liver cells. Abernathy CO, et al. **Proc Soc Exp Biol Med** 150(2):385–9, Nov 75

THIRAM see under **THIOCARBAMATES**

THIRST

see related
DEHYDRATION
WATER DEPRIVATION

Letter: Polydipsia and inappropriate secretion of antidiuretic hormone associated with hydrocephalus. Peterson DT, et al. **Ann Intern Med** 83(5):675–6, Nov 75

Salt (sodium) deficiency in dairy cattle: polyuria and polydipsia as prominent clinical features. Whitlock RH, et al. **Cornell Vet** 65(4):512–26, Oct 75

Dissociation of renin and aldosterone during dehydration: studies in a case of diabetes insipidus and adipsia. Schalekamp MA, et al. **J Clin Endocrinol Metab** 43(2):287–94, Aug 76

Establishment of a secondary drive based on thirst: a replication. Enscore SD, et al. **J Gen Psychol** 94(2):193–7, Apr 76

The physiological, neurological, and behavioral bases of thirst. Blass EM. **Nebr Symp Motiv** 22:1–47, 1975 (82 ref.)

Renal histologic and ultrastructural findings in psychogenic polydipsia and diabetes insipidus. Naccarato R, et al. **Nephron** 16(3):226–35, 1976

Regulatory drinking in rats with permanent access to a bitter fluid source. Nicolaidis S, et al. **Physiol Behav** 14(6):819–24, Jun 75

[Regulation of thirst by the amygdalae: electroencephalographic and behavioral results] Tangapregassom MJ, et al. **Agressologie** 16(5):263–72, 1975 (Eng. Abstr.) **(Fre)**

[Effect of proteins and urea on the renal concentrating ability after chronic water deprivation] Bergmann F, et al. **Medicina (B Aires)** 35(3):279–86, May–Jun 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The dipsogenic action of angiotensin. Epstein AN, et al. **Acta Physiol Lat Am** 24(5):25–8, 1974

A comparison between the central effects of angiotensin II and its fragments, Des1-angiotensin II and Des1,2-angiotensin II. Eriksson L, et al. **Acta Physiol Scand** 96(1):134–6, Jan 76

Cannabis: effects on hunger and thirst. Abel EL. **Behav Biol** 15(3):255–81, Nov 75 (144 ref.)

Proceedings: Effects of angiotensin on thirst. Fitzsimons JT. **J Endocrinol** 68(3):4P–5P, Mar 76

Equipotency of hypertonic solutions of mannitol and sodium chloride in eliciting thirst in the dog. Azczepanski-Sadowska E, et al. **Pfluegers Arch** 358(3):259–64, 28 Jul 75

Effect of an angiotensin antagonist, Sar1-Ala8-angiotensin II on physiological thirst. Abraham SF, et al. **Pharmacol Biochem Behav** 4(3):243–7, Mar 76

The importance of angiotensin II formation in the CNS in angiostensin I – elicited thirst. Casner PR, et al. **Res Commun Chem Pathol Pharmacol** 14(1):39–51, May 76

Genetic influence on saline consumption and salt hypertension as exhibited by the response of various rat strains and sub-strains. Hall CE, et al. **Tex Rep Biol Med** 33(4):509–17, 1975

[Contribution to the therapy of primary polydipsia (author's transl)] Klimo Z, et al. **Cesk Psychiatr** 71(2-3):151–4, Jun 75 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Normal values of body fluid volume, blood constituents, hemodynamic parameters, osmotic reactivity of the antidiuretic system and the thirst mechanism in unanaesthetized dogs. Sobocińska J, et al. **Acta Physiol Pol** 26(6):613–24, Nov-Dec 75

Attenuation of dehydrative thirst by lowering of the CSF (Na+). Olsson K. **Acta Physiol Scand** 94(4):536–8, Aug 75

Regulatory and secondary water intake in rats with lesions of the zona incerta. Evered MD, et al. **Am J Physiol** 230(4):1049–57, Apr 76

Effect of prolonged angiotensin II infusion on thirst. Trippodo NC, et al. **Am J Physiol** 230(4):1063–6, Apr 76

Ontogeny of thirst in the infant rat. Wirth JB, et al. **Am J Physiol** 230(1):188–98, Jan 76

Peripheral body temperature and thermogenic drinking in cold-treated rats. Nelson EL Jr, et al. **J Appl Physiol** 39(6):965–8, Dec 75

Motivational and neuroanatomical specificity of hypodipsia for aversive solutions produced by medial preoptic injury to the rat. Carey RJ, et al. **J Comp Physiol Psychol** 89(4):299–307, Jun 75

Drinking by rats after lateral hypothalamic lesions: a new look at the lateral hypothalamic syndrome. Stricker EM. **J Comp Physiol Psychol** 90(2):127–43, Feb 76

Proceedings: Osmoreception and thirst in the dog. Ramsay DJ, et al. **J Physiol (Lond)** 252(2):55P–56P, Nov 75

Some central mechanisms of thirst in the dog. Ramsay DJ, et al. **J Physiol (Lond)** 253(2):517–25, Dec 75

The physiological basis of thirst. Fitzsimons JT. **Kidney Int** 10(1):3–11, Jul 76 (35 ref.)

The role of angiotensin in thirst. Severs WB, et al. **Life Sci** 17(10):1513–26, 15 Nov 75 (94 ref.)

The nature of the thirst stimulus: a factor in conditioned taste-aversion behavior. Domjan M. **Physiol Behav** 14(6):809–13, Jun 75

Factors influencing the hunger and thirst motivated behavior of hypothalamic hyperphagic rats. King BM, et al. **Physiol Behav** 16(1):33–41, Jan 76

Regulatory drinking in rats with permanent access to a bitter fluid source. Nicolaidis S, et al. **Physiol Behav** 14(6):819–24, Jun 75

Hyperdipsia produced by severing ventral septal fiber systems. Tondat LM, et al. **Physiol Behav** 15(6):701–6, Dec 75

Zona incerta lesions impair osmotic but not hypovolemic thirst. Walsh LL, et al. **Physiol Behav** 16(2):211–5, Feb 76

Lateral preoptic and lateral hypothalamic units: in search of the osmoreceptors for thirst. Weiss CS, et al. **Physiol Behav** 15(6):713–22, Dec 75

The renin-angiotensin system and drinking behavior. Fitzsimons JT. **Prog Brain Res** 42:215–33, 1975 (55 ref.)

Increased water drinking induced by sodium depletion in sheep. Abraham SF, et al. **Q J Exp Physiol** 61(3):185–92, Jul 76

THOMSEN'S DISEASE see **MYOTONIA CONGENITA**

THONZYLAMINE

ADMINISTRATION & DOSAGE

Letter: Antibiotics for common colds? Warren P. **Lancet** 1(7955):365, 14 Feb 76

THORACIC ARTERIES

Atherosclerosis of the internal mammary artery. Kay HR, et al. **Ann Thorac Surg** 21(6):504–7, Jun 76

Systemic artery: pulmonary artery fistula after closed chest cardiac massage. Stannard MW, et al. **Br Med J** 1(6019):1190, 15 May 76

Intra-arterial infusion chemotherapy as preoperative treatment of locally advanced breast cancer. Koyama H, et al. **Cancer** 36(5):1603–12, Nov 75

Doppler information from deep thoracic arteries by non-invasive techniques. pp. 191–200. Light LH.
In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.

Thymic lymphoma—an unusual presentation. Eiser NM, et al. **Thorax** 30(5):588–91, Oct 75

[The treatment of hemoptysis by embolization of the systemic arteries (author's transl)] Helenon CH, et al. **J Radiol Electrol Med Nucl** 57(6-7):487–97, Jun-Jul 76 (Eng. Abstr.) **(Fre)**

[Systolic-diastolic murmur in the heart projection, caused by arteriovenous fistula of the internal thoracic artery and pulmonary vessels] Bredikis IuI, et al. **Grudn Khir** (4):97–9, Jul-Aug 75 **(Rus)**

ABNORMALITIES

Letter: Internal mammary-pulmonary arteriovenous malformation. Brundage BH. **Am J Cardiol** 37(7):1119, Jun 76

Congenital arteriovenous fistula of the internal thoracic artery and chest wall. Ancalmo N, et al. **J Pediatr Surg** 11(2):271–2, Apr 76

ANATOMY & HISTOLOGY

[The external mammary artery. Origin, course and importance in free skin grafts] Richbourg B, et al. **Arch Anat Pathol (Paris)** 23(4):317–22, Dec 75 (Eng. Abstr.)

(Fre)

SURGERY

Physiological differences between vein and mammary artery as a coronary bypass. Frazier BL, et al. **Rev Surg** 32(5):375–7, Sep–Oct 75

Free internal mammary artery for coronary bypass. Vidne BA, et al. **Thorax** 31(2):181–4, Apr 76

THORACIC DISEASES

The Jeune syndrome (asphyxiating thoracic dystrophy) in an adult. Friedman JM, et al. **Am J Med** 59(6):857–62, Dec 75

Prognosis of chronic sarcoidosis. Wurm K, et al. **Ann NY Acad Sci** 278:732–5, 1976

Prinzmetal's variant angina. MacAlpin RN. **Heart Lung** 5(1):147, Jan–Feb 76

Lateral chest wall cyst in a woman with disseminated echinococcal disease. Harris LS. **Mt Sinai J Med NY** 43(2):182–8, Mar–Apr 76

Chronic chest wall sinus: an unusual presentation of typhoid. Goldwater PN, et al. **NZ Med J** 83(558):116–7, 25 Feb 76

History of the tuberculosis and diseases of the chest group. Shaw CH. **Public Health** 90(1):31–3, Nov 75

[Ostium primum and the Prinzmetal syndrome (author's transl)] Mikaeloff P, et al. **Ann Chir Thorac Cardiovasc** 15(2):117–21, Apr 76 (Eng. Abstr.) (Fre)

[Impressions of Indonesia] Shiozawa M. **Jpn J Thorac Surg** 28(7):522–4, 1 Jul 75 (Jpn)

[Costal pathology] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):337–43, Jul–Sep 75 (Rum)

CONGENITAL

Intrathoracic gastrogenic cysts and hemoptysis. Chang SH, et al. **J Pediatr** 88(4 Pt. 1):594–6, Apr 76

[Letter: Constricting dystrophy of the thorax in the neonate (Jeune syndrome)] Gericke GS, et al. **S Afr Med J** 50(16):608–9, 10 Apr 75 (Afr)

[Our experience in the diagnosis and surgical treatment of coelomic pericardial cysts] Vasilev I, et al. **Khirurgiia (Sofiia)** 28(2):117–21, 1975 (Eng. Abstr.) (Bul)

DIAGNOSIS

Coronary angiographic, echocardiographic, and electrocardiographic studies on a patient with variant angina due to coronary artery spasm. Widlansky S, et al. **Am Heart J** 90(5):631–5, Nov 75

Comparison of clinical and laboratory findings of intrathoracic sarcoidosis between children and adults. Niitu Y, et al. **Ann NY Acad Sci** 278:532–8, 1976

Flexible–bronchoscope biopsy of lung and bronchial wall in intrathoracic sarcoidosis. Teirstein AS, et al. **Ann NY Acad Sci** 278:522–7, 1976

Editorial: Prinzmetal angina. Rao DS, et al. **J Assoc Physicians India** 23(1):34–5, Jan 75

Ultrasonics evaluation of intrathoracic masses. Wolson AH. **J Clin Ultrasound** 4(4):269–73, Aug 76

EKG of the month. Page HL Jr. **J Tenn Med Assoc** 68(10):797, Oct 75

Echinococcosis in Egypt: IV. Serology on patients with chest problems. Botros BA, et al. **J Trop Med Hyg** 78(10–11):231–5, Oct–Nov 75

[Importance of transthoracic pulmonary punctures with biopsy in the diagnosis of thoracic disease] Zapletal J. **Vnitr Lek** 21(10):1010–4, Oct 75 (Eng. Abstr.) (Cze)

[Bronchial puncture biopsy in the diagnosis of thoracic diseases] Pilheu JA, et al. **Bronches** 25(6):374–9, Nov–Dec 75 (Fre)

[Actinomycosis. Apropos 4 cases with thoracic and abdominal localization] Vorhauer W, et al. **Sem Hop Paris** 51(41):2459–66, 16 Oct 75 (Eng. Abstr.) (Fre)

[Thoracic diseases with predominant abdominal symptomatology] Spivach A, et al. **Minerva Med** 67(34):2179–96, 14 Jul 76 (Eng. Abstr.) (Ita)

[Value of Daniel's biopsy in the diagnosis of chest diseases] Tyrakowska J, et al. **Wiad Lek** 29(14):1245–8, 15 Jul 76 (Eng. Abstr.) (Pol)

[Diagnostic difficulties resolved during surgery in thoracopulmonary diseases] Baranetchi C, et al. **Rev Ig [Pneumoftiziol]** 23(4):387–94, Jul–Sep 74 (Eng. Abstr.) (Rum)

DRUG THERAPY

[Treatment of empyema of the chest using lavage with Persteril with subsequent administration of a broad–spectrum antibiotic] Král J. **Rozhl Chir** 55(2):84–90, Feb 76 (Cze)

[Local therapy of thoracic enpyemas with high methacycline concentration in aqueous solution. Trimethacycline] Kahánné LI, et al. **Orv Hetil** 117(20):1211–4, 1976 (Hun)

ETIOLOGY

Thoracic problems associated with hydatid cyst of the dome of the liver. Yacoubian HD. **Surgery** 79(5):544–8, May 76

Tuberculosis of the intercostal lymph nodes—an unusual presentation. Subramanian S, et al. **Tubercle** 55(2):163–6, Jun 74

[Coronary angiography in valvulopathies complicated by thoracic pain] Trevi GP, et al. **Boll Soc Ital Cardiol** 18(11):1092–101, 1973 (Eng. Abstr.) (Ita)

[Complications following pacemaker implantation—with special reference to spasms of the diaphragm and thoracic wall muscles] Tanaka J, et al. **Jpn J Thorac Surg** 28(10):749–52, 1 Oct 75 (Jpn)

[Erosion of the portal vein with hemorrhage into the duodenum and ulcer of the anterior thoracic wall penetrating to the pericardium in a patient with lymphogranulomatosis] Otstavnova EI, et al. **Probl Gematol Pereliv Krovi** 20(10):52–4, Oct 75 (Rus)

FAMILIAL & GENETIC

An autosomal recessive form of lethal chondrodystrophy with severe thoracic narrowing, rhizoacromelic type of micromelia, polydacytly and genital anomalies. Verma IC, et al. **Birth Defects** 11(6):167–74, 1975 (29 ref.)

METABOLISM

Apoprotein profile of plasma and chylous ascites lipoproteins. Malmendier CL, et al. **Clin Chim Acta** 68(3):259–69, 3 May 76

[Disputable thoracic pain with normal coronary arteries. Metabolic study] Daubert JC, et al. **Arch Mal Coeur** 68(6):607–18, Jun 75 (Eng. Abstr.) (Fre)

OCCURRENCE

[Thoracic hydatidosis in Tunisia] Najah S, et al. **Tunis Med** 54(1):480–6, Jan–Feb 76 (Fre)

PATHOLOGY

[Thoracic and abdominal actinomycoses. Anatomo–pathologic study of 5 cases] Vorhauer W, et al. **Sem Hop Paris** 52(24):1435–40, 23 Jun 76 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Selective arteriography of the celiac artery in patients with thoracic sarcoidosis. Turiaf J, et al. **Ann NY Acad Sci** 278:433–8, 1976

Intrathoracic manifestations of amyloid disease. Wilson SR, et al. **Radiology** 120(2):283–9, Aug 76

Intrathoracic manifestations of amyloid disease. Wilson SR, et al. **Radiology** 120(2):283–9, Aug 76

[Early thoracic complications of congenital heart diseases (author's transl)] Zítková M, et al. **Cesk Radiol** 30(1):53–61, Jan 76 (Eng. Abstr.) (Cze)

[Uncommon manifestations of endothoracic hydatidosis] Ratiu H, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:423–4, 1975 (Fre)

[Traumatic hernia of the thoracic wall] Schwacke H. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):90–1, Jan 76 (Ger)

[Contribution of medical radiophotography in detection of non–tubercular intrathoracic diseases] Seiciu P, et al. **Rev Ig [Pneumoftiziol]** 24(3):177–8, Jul–Sep 75 (Eng. Abstr.) (Rum)

SURGERY

The Society of Thoracic Surgeons, 1976–1977: officers; members. **Ann Thorac Surg** 21(3):261–80, Mar 76

Transaxillary minithoracotomy: the optimal approach for certain pulmonary and mediastinal lesions. Becker RM, et al. **Ann Thorac Surg** 22(3):254–9, Sep 76

Immunology and thoracic surgery. Skinner DB, et al. **Ann Thorac Surg** 21(5):462–9, May 76

Letter: Prinzmetal angina. Bentivoglio LG. **Arch Intern Med** 135(12):1623–4, Dec 75

Omental transfer for the treatment of radionecrosis of chest wall. Gue S. **Aust NZ J Surg** 45(4):390–4, Nov 75

The efficacy of physical therapy in thoracic surgical patients. Jan MH, et al. **J Formosan Med Assoc** 75(5):276–81, MAY 76

Cardiothoracic surgery at Stanley Hospital during 1948–53. Mahadevan R. **J Indian Med Assoc** 65(5):160–3, 1 Sep 75

The American Association for Thoracic Surgery, 1975–1976. **J Thorac Cardiovasc Surg** 70(3):543–66, Sep 75

Thoracic surgery– past, present & future. Monk I. **Papua New Guinea Med J** 17(3):269–71, Sep 74

Diaphragm sparing approach to abdomino–thoracic lesions. Bremner CG. **S Afr J Surg** 13(1):57–8, Mar 75

Pulmonary vein flow pattern in man during thoracotomy. Skagseth E. **Scand J Thorac Cardiovasc Surg** 10(1):36–42, 1976

[2 cases of intercostal hernia] Březina L, et al. **Rozhl Chir** 55(2):97–9, Feb 76 (Eng. Abstr.) (Cze)

[The consultant's activity in hospitals. The work of a specialist in chest surgery outside the special department] Hansen JL. **Ugeskr Laeger** 138(16):1006–8, 12 Apr 76 (Eng. Abstr.) (Dan)

[Surgical repair of a congenital cervical lung hernia in a baby (author's transl)] Claeys D, et al. **Acta Chir Belg** 74(5):536–44, Sep 75 (Eng. Abstr.) (Dut)

[Protection of the operating field in thoracic surgery using membrane–forming spray dressing] Metera A. **Polim Med** 5(2):115–7, 1975 (Eng. Abstr.) (Pol)

[Gastrontestinal hemorrhage following thoracic surgery] Durić O, et al. **Acta Chir Iugosl** 23(2):153–9, 1976 (Eng. Abstr.) (Ser)

THERAPY

Self–retaining chest drainage tubes. Tinckler LF. **Br J Surg** 63(2):141–2, Feb 76

Chest physiotherapy and the distribution of ventilation. Martin CJ, et al. **Chest** 69(2):174–8, Feb 76

[Conservative treatment of fixed juvenile thoracic kyphoses] Riede D. **Beitr Orthop Traumatol** 22(3):175–7, Mar 75 (Ger)

THORACIC DUCT

Insulin transport by thoracic duct of male rabbits with CCl4–induced liver cirrhosis. Imanishi Y, et al. **Endocrinol Jpn** 22(6):571–3, Dec 75

T lymphocyte depletion in peripheral blood of sheep undergoing chronic thoracic duct drainage. Bohs CT, et al. **J Reticuloendothel Soc** 19(6):383–8, Jun 76

Selective elimination of the delayed–type hypersensitivity response by extracorporeal thoracic duct filtration. Majeski JA, et al. **Transplantation** 21(6):477–82, Jun 76

[Immunosuppressive treatment of multiple sclerosis] Frick E. **Nervenarzt** 47(7):424–8, Jul 76 (Ger)

[Thoracic–duct lymph drainage: day–night rhythm of lymph flow in patients with malignant nonHodgkin's lymphomas and relative lymphocytopenia of the lymph in chronic lymphatic leukemia] Bremer K, et al. **Verh Dtsch Ges Inn Med** 81:1094–6, 1975 (Ger)

ABNORMALITIES

[Congenital thoracic duct stenosis in a dog with ascites] Henning A, et al. **Tieraerztl Prax** 3(4):461–70, 1975 (Ger)

ANATOMY & HISTOLOGY

[Variants of structure of the terminal segment of thoracic duct] Alekseev BV. **Klin Khir** (10):24–7, Oct 75 (Eng. Abstr.) (Rus)

CYTOLOGY

Rabbit gut–associated lymphoid tissue. Major pathway for thoracic duct lymphocyte circulation. Perey DY, et al. **Lab Invest** 33(6):678–86, Dec 75

IMMUNOLOGY

Functional properties of T and B cells isolated by affinity chromatography from rat thoracic duct lymph. Crum ED, et al. **Cell Immunol** 23(2):211–22, May 76

Cytotoxic and proliferative responses of human thoracic duct lymphocytes: effect of thoracic duct drainage in uremic patients. Cordier G, et al. **Clin Immunol Immunopathol** 5(3):351–9, May 76

Studies on lymph humoral factor. Evidence for a lymphocytopoietic factor in rat thoracic duct lymph. Yamashita A, et al. **Immunology** 30(3):349–59, Mar 76

Specific selection of cytotoxic effector cells: the generation of cytotoxic T cells in rat thoracic duct lymphocyte populations positively or negatively selected for reactivity to specific strong histocompatibility alloantigens. Wilson DB, et al. **J Immunol** 116(6):1624–8, Jun 76

Preformed cytotoxic antibody in patients subjected to thoracic duct drainage. Niblack GD, et al. **Proc Clin Dial Transplant Forum** 5:146–50, Nov 75

[Ductus thoracicus drainage in man. Changes of the lymph cells and protein fractions] Lob G, et al. **Anat Anz** 137(1–2):120–33, 1975 (Eng. Abstr.) (Ger)

[Electron microscopy localization of antienzyme–antibodies in cells of the thoracic duct and lymph nodes] Friess AE. **Verh Anat Ges** 69:849–50, 1975 (Ger)

INJURIES

Chylous ascites following retroperitoneal lymphadenectomy. Bigley HA Jr, et al. **J Urol** 114(6):948–50, Dec 75

Traumatic chylothorax. Engevik L. **Scand J Thorac Cardiovasc Surg** 10(1):77–8, 1976

[2 cases of chylothorax caused by catheterization of left large venous trunks] Piro J, et al. **Ann Anesthesiol Fr** 16(1):1–6, Jan–Feb 75 (Eng. Abstr.) (Fre)

[Injuries to the cervical section of the thoracic duct] József B, et al. **Fogorv Sz** 69(5):135–7, May 76 (Hun)

[Combined injury of the thoracic aorta and the lymphatic duct] Sukharev VF, et al. **Grudn Khir** (5):90–1, Sep–Oct 75 (Rus)

[Case of injury to the thoracic duct] Finashkin VN, et al. **Ortop Travmatol Protez** (1):74–5, Jan 76 (Rus)

[Ligation of the brachiocephalic vein and thoracic duct in knife wounds] Urman MG. **Vestn Khir** 116(2):131–2, Feb 76 (Rus)

[Chylous ascites. Report of a case following the rupture of Pecquet's cistern] de la Barreda H, et al. **Bol Med Hosp Infant Mex** 33(1):95–100, Jan–Feb 76 (Eng. Abstr.) (Spa)

PATHOLOGY

[Changes in the structure of the wall of the human thoracic duct in relation to atherosclerosis and age] József L, et al. **Morphol Igazsagugyi Orv Sz** 16(1):43–7, Jan 76 (Hun)

PHYSIOLOGY

Plasma enzyme levels in the anaesthetised dog during

drainage of thoracic duct lymph. Bolter CP, et al. **Enzyme** 21(1):30–8, 1976

[Significance of thoracic duct drainage during perfusion of the dog's pancreas in situ] Bartoš V, et al. **Rozhl Chir** 54(8):587–90, Aug 75 (Eng. Abstr.) **(Cze)**

[Lymphological aspects of liver transplantation in dogs] Vosmík J, et al. **Rozhl Chir** 54(8):569–74, Aug 75 (Eng. Abstr.) **(Cze)**

[Lymph flow following ligation of the ductus thoracicus in dogs] Lob G, et al. **Anat Anz** 137(1–2):134–7, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

End thoracic duct presurres in man. Isbister WH, et al. **Aust NZ J Surg** 45(4):422–4, Nov 75

[Changes in the thoracic duct and lymphodynamics in neoplastic diseases] Tsyb AF, et al. **Vopr Onkol** 21(9):19–28, 1975 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Letter: Thoracic duct cyst of the mediastinum. Cervantes-Perez P, et al. **Chest** 70(03):411, Sep 76

Anatomic variation of the thoracic duct and visualization of mediastinal lymph nodes: a lymphographic study. Cha EM, et al. **Radiology** 119(1):45–8, Apr 76

[Protein-losing (lymphogenic) enteropathy caused by the occlusion of the thoracic duct] Molnár Z, et al. **Orv Hetil** 117(14):839–46, 4 Apr 76 **(Hun)**

[Lymphographic study of the thoracic duct (criteria of contrast and morphofunctional aspects)] Buzhar KhV. **Med Radiol (Mosk)** 20(8):63–6, Aug 75 **(Rus)**

[Roentgenoanatomy of the thoracic duct] Tsyb AF, et al. **Vestn Rentgenol Radiol** (1):60–6, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

SURGERY

Exteriorization of thoracic duct lymph. Theoretical considerations and an experimental model. Dedo DD, et al. **Arch Otolaryngol** 101(11):671–4, Nov 75

The lymphatic drainage of the peritoneal cavity with reference to the treatment of ascites by lympho-venous shunt. Szabó G. **Experientia** 32(7):826–7, 1976 (22 ref.)

Lymphovenous anastomosis for intractable ascites in cirrhosis of the liver. Udwadia TE. **Int Surg** 60(10):537–9, Oct 75

Surgical techniques for long-term studies of thoracic duct circulation in the rat. Girardet RE. **J Appl Physiol** 39(4):682–8, Oct 75

Collateral lymphatic circulation after thoracic duct and right lymphatic duct interruption. De Sousa Pereira A, et al. **J Cardiovasc Surg (Torino)** Spec No:121–4, 1973

Thoracic duct cannulation in a patient with lung cancer. Takita H, et al. **J Surg Oncol** 8(2):143–8, 1976

Letter: Thoracic-duct cannulation for bleeding oesophageal varices. Aderka D. **Lancet** 1(7974):1409, 26 Jun 76

Postoperative chylous fistula prevention and management. Crumley RL, et al. **Laryngoscope** 86(6):804–13, Jun 76

Cervical lymphato-venous shunt in treatment of ascites in caval-constricted dogs and in patients with hepatic cirrhosis. Experimental observations and 7 years clinical experience. Serényi P, et al. **Lymphology** 9(2):53–61, Jun 76

Drainage of thoracic duct lymph in renal transplant patients. Franksson C, et al. **Transplantation** 21(2):133–40, Feb 76

[Lymphocyte depletion through experimental anastomosis of the thoracic duct and cervical esophagus] Kawai T, et al. **Biomedicine [Express]** 23(2):55–8, 28 Feb 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Late effect of thoracic duct blockade on the regeneration ability of liver and kidney in the rat] Cremer H, et al. **Verh Dtsch Ges Pathol** 59:458, 1975 **(Ger)**

[Anastomosis between the thoracic duct and esophagus in the treatment of experimental cholestasis] Ricci G, et al. **Chir Patol Sper** 23(4):189–96, Aug 75 (Eng. Abstr.) **(Ita)**

[Proceedings: Thoracic duct drainage in heart failure not responding to drugs] Tanaka K, et al. **Jpn Circ J** 39(7):859, Jul 75 **(Jpn)**

[Resection of the thoracic duct] Iusupov IA. **Eksp Khir Anesteziol** (2):27–30, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Thoracic duct drainage for external lymph letting] Pikovskiĭ DL, et al. **Khirurgiia (Mosk)** (10):111–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Thoracic duct drainage in the treatment of destructive pancreatitis] Pikovskiĭ DL, et al. **Khirurgiia (Mosk)** (1):107–12, Jan 76 (Eng. Abstr.) **(Rus)**

THORACIC INJURIES

[Transport fractures of the sternum (author's transl)] Kalný J, et al. **Acta Chir Orthop Traumatol Cech** 42(5):459–66, Oct 75 (Eng. Abstr.) **(Cze)**

[Thoracic injuries] Inberg M. **Duodecim** 91(20):1233–41, 1975 **(Fin)**

[Vascular injuries] Reidemeister JC, et al. **Hefte Unfallheilkd** (121):227–31, 1975 **(Ger)**

[Injuries of the lung and bronchi] Specht G. **Hefte Unfallheilkd** (121):208–9, 1975 **(Ger)**

[Injury index in accident-simulated trauma of chest and lower leg (author's transl)] Kramer M. **Unfallheilkunde** 79(2):61–9, FEB 76 (Eng. Abstr.) **(Ger)**

[Injuries of the thorax and abdomen] Becker T, et al. **Z Aerztl Fortbild (Jena)** 69(1):342–8, 1 Apr 75 **(Ger)**

[Combined rupture of the diaphragm and the lung in closed thoracic injury] Vasiutkov VIa, et al. **Grudn Khir** (4):99–100, Jul–Aug 75 **(Rus)**

[Closed thoracic injuries] Bratus' VD, et al. **Klin Khir** (3):1–5, Mar 76 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Acute coronary occlusion following blunt injury to the chest in the absence of coronary atherosclerosis. Oren A, et al. **Am Heart J** 92(4):501–5, Oct 76

Tricuspid insufficiency due to nonpenetrating trauma. Kessler KM, et al. **Am J Cardiol** 37(3):442–4, 4 Mar 76

Purtscher retinopathy in the battered child syndrome. Tomasi LG, et al. **Am J Dis Child** 129(11):1335–7, Nov 75

Diaphragmatic hernia as a long-term complication of stab wounds of the chest. Kessler E, et al. **Am J Surg** 132(1):34–9, Jul 76

Prevention of infection in war chest injuries. Romanoff H. **Ann Surg** 182(2):144–9, Aug 75

Transection of the innominate artery due to blunt chest trauma: successful immediate repair in 2 consecutive patients. Subramanian VA, et al. **Ann Thorac Surg** 21(4):357–60, Apr 76

Constrictive pericarditis following mild non-penetrating trauma. Rasaretnam R, et al. **Aust NZ J Med** 5(1):57–62, Feb 75

Isolated vocal-cord paralysis following blunt trauma to the chest. Carter SL, et al. **Chest** 69(2):250, Feb 76

Penetrating injury of the chest and coronary arteriovenous fistula. Mukherjee DK, et al. **Chest** 69(6):793–5, Jun 76

Traumatic pulmonary arteriovenous fistula. Arom KV, et al. **J Thorac Cardiovasc Surg** 70(5):918–20, Nov 75

Blunt traumatic rupture of the atria. Smith JM 3d, et al. **J Thorac Cardiovasc Surg** 71(4):617–20, Apr 76

Significance of the electrocardiogram in heart contusion due to blunt trauma. Pearce W, et al. **J Trauma** 16(2):136–40, Feb 76

Electrocardiographic changes in traumatized patients. Weisz GN, et al. **JACEP** 5(5):329–31, May 76

Posttraumatic pleural-fluid and blood eosinophilia. Kumar UN, et al. **JAMA** 234(6):625–6, 10 Nov 75

Traumatic pericardial hematoma simulating tricuspid valve obstruction. Wray TM, et al. **Johns Hopkins Med J** 137(4):147–50, Oct 75

Autotransfusion in traumatic hemothorax. Anderson CB. **Mo Med** 72(9):541–4, Sep 75

Post-traumatic pneumatocele in the inferior pulmonary ligament. Ravin CE, et al. **Radiology** 121(1):39–41, Oct 76

Coronary artery obstruction due to blunt trauma. Laman ML, et al. **Rocky Mt Med J** 72(12):520–1, Dec 75

Hemopneumothorax following blunt trauma of the thorax. Sturm JT, et al. **Surg Gynecol Obstet** 141(4):539–40, Oct 75

Coronary artery obstruction and myocardial infarction resulting from nonpenetrating chest trauma. Jenkins JL, et al. **Tex Med** 71(12):78–83, Dec 75

[Clinico-anatomic assessment of combined thoraco-abdominal trauma] Kalnberz VK, et al. **Khirurgiia (Sofiia)** 27(5):349–53, 1974 (Eng. Abstr.) **(Bul)**

[Post-traumatic intrapulmonary hematoma] Kröger R, et al. **Ned Tijdschr Geneeskd** 120(9):364–9, 28 Feb 76 (Eng. Abstr.) **(Dut)**

[Recurring acute pericarditis after closed injuries of the thorax] Marcheix JC, et al. **Ann Cardiol Angeiol (Paris)** 24(5):439–45, Oct 75 (Eng. Abstr.) **(Fre)**

[Pseudo-aneurysm of the right subclavian artery after a closed traumatism of the thorax (author's transl)] Favre JP, et al. **Ann Chir Thorac Cardiovasc** 14(4):349–52, Oct 75 (Eng. Abstr.) **(Fre)**

[Complete atrio-ventricular block through section of the bundle of His secondary to closed theoracic trauma] Roche P, et al. **Arch Mal Coeur** 67(12):1479–86, Dec 74 (Eng. Abstr.) **(Fre)**

[Total subcutaneous rupture of the cervical trachea after thoracic injury. Apropos of a case. Review of the literature] Sommelet J, et al. **J Chir (Paris)** 108(5):423–4, Nov 74 (Eng. Abstr.) **(Fre)**

[Letter: Reply to Dr. Paul Zalud's letter] Benzer H. **Anaesthesist** 25(7):352–4, Jul 76 **(Ger)**

[The treatment of respiratory failure in severe chest injury (author's transl)] Fasol P, et al. **Anaesthesist** 24(8):367–71, Aug 75 (Eng. Abstr.) **(Ger)**

[Letter: Comment on the communication by P. Fasol et al: 'Therapy of Respiratory Disorders in Severe Thoracic Injury'] Zalud P. **Anaesthesist** 25(7):351, Jul 76 **(Ger)**

[Heart injury due to blunt violence] Fischer B, et al. **Fortschr Med** 94(20–21):1158–9, 15 July 76 (Eng. Abstr.) **(Ger)**

[Injuries of the thoracic wall and diaphragm] Contzen H. **Hefte Unfallheilkd** (121):182–7, 1975 **(Ger)**

[Therapy of respiratory disorder in severe thoracic injury] Fasol P, et al. **Hefte Unfallheilkd** (121):214–7, 1975 **(Ger)**

[Injuries of thoracic and abdominal spaces in pelvic fractures] Jonas M, et al. **Hefte Unfallheilkd** (124):177–81, 1975 **(Ger)**

[Diaphragmatic ruptures due to blunt trauma] Müller-Wiefel H, et al. **Hefte Unfallheilkd** (121):195–9, 1975 **(Ger)**

[Post-traumatic functional disorders: heart and vessels] Rosenkranz KA. **Hefte Unfallheilkd** (121):245–51, 1975 **(Ger)**

[Pelvic fractures in traffic accidents and injuries of internal organs] Zajić Z, et al. **Hefte Unfallheilkd** (124):314–7, 1975 **(Ger)**

[Osteosynthesis of the ribs in the instable throax following trauma] Aigner PW. **Munch Med Wochenschr** 118(6):171–2, 6 Feb 76 **(Ger)**

[Rupture of the right atrium following blunt trauma of the thorax (author's transl)] Brücke P, et al. **Thoraxchirurgie** 24(2):125–30, Apr 76 (Eng. Abstr.) **(Ger)**

[Isolated rupture of the interventricular septum after blunt chest trauma (author's transl)] Mössler U, et al. **Thoraxchirurgie** 23(6):578–83, Dec 75 (Eng. Abstr.) **(Ger)**

[Diagnostical and therapeutical aspects of post-traumatical endobronchial bleeding (author's transl)] Zierott G, et al. **Thoraxchirurgie** 24(1):35–41, Feb 76 (Eng. Abstr.) **(Ger)**

[Analysis of ribs and serial fractures of the ribs] Bartel M, et al. **Zentralbl Chir** 101(2):77–84, 1976 **(Ger)**

[Problems of thoracic injuries] Serý Z, et al. **Zentralbl Chir** 100(23):1424–8, 1975 **(Ger)**

[Thoracic-wall hernia with pulmonary prolapse due to injury] Wittenberger R, et al. **Zentralbl Chir** 100(16):1003–5, 1975 **(Ger)**

[Pneumopericardium, pneumomediastinum and subcutaneous emphysema due to closed injury of the chest] Nili M, et al. **Harefuah** 90(2):76–7, 15 Jan 76 (Eng. Abstr.) **(Heb)**

[Traumatic chylothorax. Case report] Barbieri G. **Minerva Med** 66(62):3165–9, 22 Sep 75 **(Ita)**

[Successful surgical treatment in a case of complete disruption and cicatricial occlusion of the left main bronchus due to non-pentrating thoracic injury] Fujimura S, et al. **Jpn J Thorac Surg** 29(1):22–6, Jan 76 (Eng. Abstr.) **(Jpn)**

[Post-traumatic myocardial infarct in a 9-year-old child] Sapiński A, et al. **Pediatr Pol** 51(3):311–3, Mar 76 **(Pol)**

[Effects of chest traumas with coexisting postinfectious changes in the lungs (author's transl)] Karski JB, et al. **Przegl Lek** 33(5):546–9, 1976 **(Pol)**

[Changes in respiratory system following injuries] Ruszel A, et al. **Wiad Lek** 29(8):693–6, 15 Apr 76 (Eng. Abstr.) **(Pol)**

[Post-traumatic hemorrhagic subacute constrictive pericarditis] Streian C, et al. **Rev Med Interu [Med Intern]** 27(2):129–33, Mar–Apr 75 (Eng. Abstr.) **(Rum)**

[Characteristics of combined thoraco-abdominal trauma in children] Kalnberz VK, et al. **Klin Khir** (8):16–8, Aug 75 (Eng. Abstr.) **(Rus)**

[Rupture of the main bronchus due to nonpenetrating chest injury] Kulik II, et al. **Klin Khir** (11):79–80, Nov 75 **(Rus)**

[Combined gunshot injury of the chest and abdomen] Tsareva AN, et al. **Vestn Khir** 116(5):96, May 76 **(Rus)**

[Respiratory disorders in polytraumatized patients. Review of our cases] Cerda E, et al. **Rev Clin Esp** 138(5):421–4, 15 Sep 75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Thoracoscopy as an aid to the diagnosis of diaphragmatic injury in penetrating wounds of the left lower chest: a preliminary report. Jackson AM, et al. **Injury** 7(3):213–7, Feb 76

[Thoracic and abdominal lesions in multiple injuries. Study of 168 cases. Remarks on problems posed by assessment of the lesions] Ossart JL. **J Chir (Paris)** 111(2):193–200, Feb 76 (Eng. Abstr.) **(Fre)**

[Determination of intrapulmonary right-left shunt in thoracic injuries] Imig H, et al. **Hefte Unfallheilkd** (121):180–2, 1975 **(Ger)**

[Pulmonary function test in blunt thoracic injuries using nuclear medicine methods] Lugger LJ, et al. **Hefte Unfallheilkd** (121):217–20, 1975 **(Ger)**

[Post-traumatic function test: Lung and thoracic wall] Nolte D. **Hefte Unfallheilkd** (121):251–6, 1975 **(Ger)**

[Thoraco-abdominal injuries and bone fractures in the battered child syndrome] Sauer H, et al. **Monatsschr Unfallheilkd** 78(11):533–43, Nov 75 (Eng. Abstr.) **(Ger)**

[Closed thoracic injuries] Bratus WD, et al. **Zentralbl Chir** 101(6):348–50, 1976 **(Ger)**

[Evaluation of the body damages following thoracic injuries] Neef H, et al. **Zentralbl Chir** 101(8):494–504, 1976 **(Ger)**

[Combined injury of the thoracic aorta and the lymphatic duct] Sukharev VF, et al. **Grudn Khir** (5):90–1, Sep–Oct 75 **(Rus)**

[Thoracic injuries in the defensive war] Nikolic V, et al. **Acta Chir Iugosl** 23(1 Suppl):261–5, 1976 **(Ser)**

[Blunt injuries of the pancreas] Kratina V. **Rozhl Chir** 55(7):476–82, Jul 76 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

[Ceporex in the treatment of closed injuries of the thorax] Scarpellino P, et al. **Minerva Chir** 31(1–2):16–9, 15–31 Jan 76 **(Ita)**

ENZYMOLOGY

[Some histochemical reactions in kidneys in experimental chest injuries] Konecki J, et al. **Pol Przegl Chir** 48(6):663–8, Jun 76 (Eng. Abstr.) **(Pol)**

MORTALITY

[Cybernetic method of prognosis concerning the outcome of certain types of trauma (cranio-cerebral, thoracic, abdominal and thoracic-abdominal)] Vishnevskiĭ AA, et

al. **Eksp Khir Anesteziol** (3):3–11, May–Jun 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Chest trauma: its nature in urban ghetto. Miller DW Jr, et al. **NY State J Med** 76(7):1103–5, Jul 76

PHYSIOPATHOLOGY

Pulmonary barriers to oxygen transport in chest trauma. Blair E. **Am Surg** 42(1):55–61, Jan 76

Local effects of acute cellular injury on regional myocardial blood flow. Cobb FR, et al. **J Clin Invest** 57(5):1359–68, May 76

[Mechanisms of respiratory disorders in pulmonary contusions with tegmen thoracis] Krustinov G, et al. **Eksp Med Morfol** 13(3):137–44, 1974 (Eng. Abstr.) **(Bul)**

[Physiopathological principles of thoracic injuries] Bühlmann A. **Hefte Unfallheilkd** (121):175–9, 1975 **(Ger)**

[Clinical significance of heart contusion in blunt thoracic injuries] Glinz W, et al. **Hefte Unfallheilkd** (121):224–7, 1975 **(Ger)**

[Thoracic compression in childhood] Schmidt HD, et al. **Hefte Unfallheilkd** (121):201–4, 1975 **(Ger)**

[Life–threatening intrathoracic injuries due to indirect force (deceleration injury)] Seling A, et al. **Hefte Unfallheilkd** (121):235–7, 1975 **(Ger)**

PREVENTION & CONTROL

New methods of control and treatment of flail chest. pp. 506–10. Campos VC, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

RADIOGRAPHY

Traumatic aortic rupture: roentgenographic indications for angiography. Marsh DG, et al. **Ann Thorac Surg** 21(4):337–40, Apr 76

[The radiology of traumatic pneumatoceles. Pathogenesis and course (author's transl)] Erbe VW, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):6–12, Jul 76 (Eng. Abstr.) **(Ger)**

[Thoracic gunshot–injury with penetration of the pericardium in a 15–year–old student] Neumann G, et al. **Z Gesamte Inn Med** 30(12):429–32, 15 Jun 75 (Eng. Abstr.) **(Ger)**

[X–ray image of lung injury in blunt injuries of the chest] Ekimski B. **Vestn Rentgenol Radiol** (1):41–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical management of pancreatic trauma. Balasegaram M, et al. **Am J Surg** 131(5):536–40, May 76

Rupture and successful repair of the heart following blunt chest injury. Mattila S. **Ann Chir Gynaecol** 65(2):145–7, 1976

Repair of chest wall defects after irradiation for breast cancer. Hughes LE. **Ann R Coll Surg Engl** 58(2):140–3, Mar 76

Indications for early thoracotomy in the management of chest trauma. Kish G, et al. **Ann Thorac Surg** 22(1):23–8, Jul 76

Total rupture of the left main bronchus successfully repaired nine years after injury. Nonoyama A, et al. **Ann Thorac Surg** 21(5):445–8, May 76

Acute blunt traumatic rupture of the diaphragm in children. Melzig EP, et al. **Arch Surg** 111(9):1009–11, Sep 76

Immediate surgery in the management of penetrating chest injuries. A clinical experiment. Robicsek F, et al. **Coll Works Cardiopulm Dis** 19:66–70, Apr 73

Penetrating injuries of the thorax: certain aspects of treatment. Khedroo LG. **Ill Med J** 148(6):606–9, Dec 75

Operative stabilization of nonpenetrating chest injuries. Moore BP. **J Thorac Cardiovasc Surg** 70(4):619–30, Oct 75

A time–management study of 25 patients with penetrating wounds of the chest and abdomen. Key GF, et al. **J Trauma** 16(7):524–30, Jul 76

Surgical stabilization of traumatic flail chest. Paris F, et al. **Thorax** 30(5):521–7, Oct 75

[Bilateral contusion of the chest with severe injury of the lungs] Horák K, et al. **Rozhl Chir** 54(12):821–6, Dec 75 (Eng. Abstr.) **(Cze)**

[Our experience in the treatment of thoracic radionecrosis] Meline F, et al. **Ann Chir Plast** 21(1):35–42, 1976 (Eng. Abstr.) **(Fre)**

[Development of treatment of severe thoracic injuries] Le Brigand H. **J Chir (Paris)** 110(5):451–76, Nov 75 (Eng. Abstr.) **(Fre)**

[A simple surgical method for the treatment of extensive thoracic wall injuries] Kessler E. **Hefte Unfallheilkd** (121):187–91, 1975 **(Ger)**

[Indication and time for osteosynthesis in severe thoracic injuries] Muhr G, et al. **Hefte Unfallheilkd** (121):192–5, 1975 **(Ger)**

[Experiences with acute thoracic injuries] Wolf W. **Zentralbl Chir** 100(23):1429–31, 1975 **(Ger)**

[Bilateral penetrating wound of the chest] Blintsovskiĭ EL. **Grudn Khir** (3):107, May–Jun 74 **(Rus)**

[Foreign body in the chest cavity] Sukhanov VI. **Vestn Khir** 115(10):129, OCT 75 **(Rus)**

[Penetrating injuries of the thorax treated in our institute in 1972–1975] Kontic M, et al. **Acta Chir Iugosl** 23(1 Suppl):273–5, 1976 **(Ser)**

THERAPY

Blunt trauma to the chest. Alberty RE, et al. **Am Surg** 42(7):511–6, Jul 76

The management of acute thoracic injuries. McCoy JA, et al. **Anaesthesia** 31(4):532–6, May 76

Blunt thoracic trauma in multiple injury. den Otter G. **Arch Chir Neerl** 27(4):229–35, 1975

Chest injuries in road trauma. Trinca G, et al. **Aust NZ J Surg** 45(4):331–6, Nov 75

Blunt thoracic trauma. Vijayaragavan A, et al. **Ceylon Med J** 20(3):178–82, Sep 75

The role of the anaesthetist in the care of the patient with crushed chest. pp. 481–4. Van de Walle J, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Emergency management of chest trauma. pp. 109–28. Kaiser GA.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Chest trauma. pp. 21–9. Vargas A.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.

The management of thoracic and thoraco–lumbar injuries of the spine with neurological involvement. Burke DC, et al. **J Bone Joint Surg [Br]** 58(1):72–8, Feb 76

How we manage non–penetrating thoracic injuries. Szentpetery S, et al. **Med Times** 104(7):60–6, Jul 76

First aid–7. Chest injuries. Bradley D. **Nurs Times** 71(40):1582–4, 2 Oct 75

[Possibilities of using hyperbaric oxygen in treating blunt thoracic trauma] Filipov S, et al. **Khirurgiia (Sofiia)** 29(1):50–9, 1976 (Eng. Abstr.) **(Bul)**

[Anesthesia and resuscitation of a thoracic–injured patient just arriving at the hospital] Fogliani J, et al. **Ann Anesthesiol Fr** 16(6):1L–6L, Oct 75 **(Fre)**

[Treatment of the 'thoracic shutter'] Virenque C. **Ann Anesthesiol Fr** 16(9):1U–5U, Dec 75 **(Fre)**

[Fibro–bronchoscopy during resuscitation of patients suffering from severe thoracic traumatisms (author's transl)] Bernard JP, et al. **Ann Chir Thorac Cardiovasc** 14(4):385–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Emergencies in blunt trauma of the thorax] Delacroix G, et al. **Rev Med Suisse Romande** 96(7):511–9, Jul 76 **(Fre)**

[The thorax–injured patient. Point of view of the anesthetist–resuscitator] Szappanyos G. **Rev Med Suisse Romande** 96(7):503–10, Jul 76 **(Fre)**

[Discussion on thoracic injuries] **Hefte Unfallheilkd** (121):258–60, 1975 **(Ger)**

[Clinical aspects of gunshot wounds with special reference to thoracic and abdominal wounds] Bedacht R. **Hefte Unfallheilkd** (121):237–41, 1975 **(Ger)**

[Significance of thoracic injuries in multiple–injured patients] Lenner V, et al. **Hefte Unfallheilkd** (121):256–8, 1975 **(Ger)**

[Experiences with blunt lung injuries] Roscher R, et al. **Hefte Unfallheilkd** (121):209–11, 1975 **(Ger)**

[Treatment of gunshot wounds in the thoracic area] Zichner L, et al. **Hefte Unfallheilkd** (121):241–4, 1975 **(Ger)**

[Clinical features and treatment of chest trauma (Restoration of pulmonary function) (author's transl)] Blömer A, et al. **Prax Pneumol** 3(2):89–91, Feb 76 (Eng. Abstr.) **(Ger)**

[The respiratory function and clinical condition of patients after severe thoracic trauma Kummer F, et al. **Unfallheilkunde** 79(8):365–8, Aug 76 (Eng. Abstr.) **(Ger)**

[Surgical treatment of scarred tracheal stenoses as sequence of long–term artificial respiration in thoracic injuries] Dippmann A. **Zentralbl Chir** 101(10):622–5, 1976 **(Ger)**

[Chest injuries in the yom kippur war] Kalter J, et al. **Harefuah** 89(3):107–10, 1 Aug 75 (Eng. Abstr.) **(Heb)**

[Thoracic injuries and resuscitation. Case reports and critical review] Castelli E, et al. **Minerva Chir** 31(4):104–21, 29 Feb 76 (Eng. Abstr.) **(Ita)**

[Resuscitation of patients with severe combined chest injury] Kuz'michev AP, et al. **Sov Med** (11):55–9, Nov 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Biochemical changes occurring after blunt chest trauma in monkeys. Davis RH, et al. **Lab Anim Sci** 26(1):38–50, Feb 76

THORACIC NEOPLASMS

Neuroblastoma with metastasis to mandible. Report of a case and review of literature. Chakrabarty PB, et al. **Indian J Cancer** 12(2):219–23, Jun 75

Leiomyosarcoma of the pulmonary artery diagnosed preoperatively by angiocardiography. Replacement with composite graft. Killebrew E, et al. **J Thorac Cardiovasc Surg** 71(3):469–71, Mar 76

Lipoma: an unusual case with a brief review of the literature. Lee YK. **Med J Malaysia** 30(3):231–3, Mar 75

Extrapleural lipoma. Shaub M, et al. **West J Med** 124(2):147–9, Feb 76

[Primary reticulum cell sarcoma of a rib. Report of two cases (author's transl)] Denaut M, et al. **Acta Tuberc Pneumol Belg** 66(4–5):390–400, Jul–Oct 75 (Eng. Abstr.) **(Fre)**

[A rare case of cancer en cuirasse in an untreated breast carcinoma of 24 year's duration] Neumann–Redlin E, et al. **Zentralbl Bakteriol [Orig B]** 91(9):568–72, 1975 (Eng. Abstr.) **(Ger)**

[Case of giant tumor of the posterior thoracic wall] Ko S, et al. **Jpn J Thorac Surg** 28(10):730–3, 1 Oct 75 (Eng. Abstr.) **(Jpn)**

[Costal pathology] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):337–43, Jul–Sep 75 **(Rum)**

[Multifocal sclerosing osteoid osteoma (case report)] Selivanor VP, et al. **Vopr Onkol** 21(9):94–6, 1975 **(Rus)**

COMPLICATIONS

Superior vena cava obstruction: a review of the literature and report of 2 cases due to benign intrathoracic tumors. Gomes MN, et al. **Ann Thorac Surg** 20(3):344–59, Sep 75

Tumor hypoglycemia: deficient splanchnic glucose output and deficient glucagon secretion. Silbert CK, et al. **Diabetes** 25(3):202–6, Mar 76

[Experience in the treatment of malignant obstructions of the vena cava superior by means of chemotherapeutic decompression and subsequent irradiation] Kolarić K, et al. **Strahlentherapie** 150(5):521–5, Nov 75 (Eng. Abstr.) **(Ger)**

[Meningial hemangiopericytoma with two–term late metastasis in lung and thoracic wall (author's transl)] Jakesz R. **Thoraxchirurgie** 24(1):23–9, Feb 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Proceedings: Sarcomatous chest wall tumour with good prognosis. Ahmed A, et al. **Arch Dis Child** 50(8):665–6, Aug 75

Intrathoracic paraganglioma arising from aorticosympathetic paraganglion. Arom KV, et al. **Arch Surg** 111(3):275–9, Mar 76

Ultrasonics evaluation of intrathoracic masses. Wolson AH. **J Clin Ultrasound** 4(4):269–73, Aug 76

Ultrasonography: an aid in the diagnosis of masses in pediatric patients. Goldberg BB, et al. **Pediatrics** 56(3):421–8, Sep 75

[Tumours of the thoracic wall (author's transl)] Rehák F, et al. **Sb Lek** 78(1):10–20, Jan 76 (Eng. Abstr.) **(Cze)**

[Transthoracic fine needle biopsy. Histologically verified material of infiltrates in lungs and pleura from fine needle biopsy] Francis D, et al. **Ugeskr Laeger** 138(2):76–9, 5 Jan 76 (Eng. Abstr.) **(Dan)**

[Contribution to the scintigraphic diagnosis of malignant endothoracic tumors by 57Co labeled Bleomycin (author's transl)] Lucot H, et al. **J Radiol Electrol Med Nucl** 57(1):69–78, Jan 76 (Eng. Abstr.) **(Fre)**

[Detection of intrathoracic malignant tumors using labeled metals] Blanchon P, et al. **Poumon Coeur** 30(4):249–55, 1974 (Eng. Abstr.) **(Fre)**

[The value and use of percutaneous trans–thoracic needle biopsy in the diagnosis of intra–thoracic disease. Technique, indications, results and complications] Sinner WH. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):197–202, Sep 75 (Eng. Abstr.) **(Ger)**

[An obscure 'tumor' in the phrenicocostal sinus] Mockenhaupt J. **Munch Med Wochenschr** 118(14):439–40, 2 Apr 76 **(Ger)**

[Solitary plasmacytoma of the thoracic wall (author's transl)] Besznyák I, et al. **Prax Pneumol** 29(10):575–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Tumor scintigraphy. 2, 67Ga scintigraphy of the thorax] Machida K. **Jpn J Clin Radiol** 20(7):722–4, Jul 75 **(Jpn)**

[Diaphragmatic hernia of the liver imitating thoracic tumors] Langer J. **Pneumonol Pol** 44(3):277–82, Mar 76 (Eng. Abstr.) **(Pol)**

[Intrathoracic hibernoma (author's transl)] Dobrota S, et al. **Bratisl Lek Listy** 65(3):324–8, Mar 76 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

[The efficacy of cytostatic therapy for malignant tumors as determined by x–rays] Zwicker H, et al. **Roentgenblaetter** 29(8):365–73, Aug 76 (Eng. Abstr.) **(Ger)**

[Extraabdominal desmoid tumor: one case of successful treatment with antiestrogens (author's transl)] Arellano Pérez H, et al. **Rev Invest Clin** 28(1):45–51, Jan–Mar 76 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[A case of a hyperplastic tumor in a human embryo of 6mm length. Streeter horizon 14] Menkes B. **Rev Roum Morphol Physiol** 20(3):187–8, 1974 **(Ger)**

ETIOLOGY

Ectopic liver tissue mass in the thoracic cavity. Lasser A, et al. **Cancer** 36(5):1823–6, Nov 75

[Note on the complications of pleural needle biopsy: neoplastic seeding of the wall (apropos of 300 effusions and 440 puncture biopsies)] Migueres J, et al. **Poumon Coeur** 31(6):347–9, 1975 (Eng. Abstr.) **(Fre)**

[A prospective survey on the incidence of chest malignancies after repeated fluoroscopy during artificial pneumothorax therapy for pulmonary tuberculosis (author's transl)] Kitabatake T, et al. **Nippon Acta Radiol** 35(10):895–99, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Mechanism of hypoglycaemia in a patient with mesenchymal tumour. Meinders AE, et al. **Neth J Med** 17(4–5):227–33, 1974

OCCURRENCE

A prospective survey on chest malignancies following multiple fluroscopies during artificial pneumothorax therapy for pulmonary tuberculosis. Kitabatake T, et al. **Tohoku J Exp Med** 118(4):317–22, Apr 76

PATHOLOGY

Ectopic liver tissue mass in the thoracic cavity. Lasser A, et al. **Cancer** 36(5):1823–6, Nov 75

Thoracic manifestations of renal cell carcinoma. Latour A, et al. **Radiology** 121(1):43–8, Oct 76

[Case of diffuse neuofibromatosis and extensive spread into the right thoracobrachial region] Rumenov I, et al. **Khirurgiia (Sofiia)** 28(3):290–2, 1975 **(Bul)**

[Case of reticulum cell sarcoma with unusual mode of infiltration thoracic cavity and pericardium) and with involvement of the heart as the primary site] Kawaji K, et al. **Jpn J Clin Med** 33(12):3547–52, Dec 75 **(Jpn)**

[Case of intercostal tumor of the right thorax] Mori Y, et al. **Jpn J Clin Pathol** 23(8):621–2, Aug 75 **(Jpn)**

[Extensive osteochondroma of the sternum] Saranchа SD, et al. **Khirurgiia (Mosk)** (9):134–5, Sep 75 **(Rus)**

PHYSIOPATHOLOGY

[Changes in the thoracic duct and lymphodynamics in neoplastic diseases] Tsyb AF, et al. **Vopr Onkol** 21(9):19–28, 1975 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Roentgenogram of the month: tapering shadow in anterior right thorax. Villegas AH, et al. **Chest** 70(1):103–4, Jul 76

Neuroblastoma. Kirchner SG, et al. **J Tenn Med Assoc** 68(12):979–80, Dec 75

Diagnostic features of tumors of the lower thoracic sympathetic chain. Gonzales ET Jr, et al. **J Urol** 115(3):320–2, Mar 76

Lipoma of the diaphragm. Case report. Bukstein DA, et al. **Mo Med** 73(1):29–30, Jan 76

Radiographic distribution of intrathoracic disease in previously untreated patients with Hodgkin's disease and non–Hodgkin's lymphoma. Filly R, et al. **Radiology** 120(2):277–81, Aug 76

Radiographic distribution of intrathoracic disease in previously untreated patients with Hodgkin's disease and non–Hodgkin's lymphoma. Filly R, et al. **Radiology** 120(2):277–81, Aug 76

[A case of bronchogenic cyst of the diaphragm, discovered by chest x-ray mass survey (author's transl)] Tanaka T, et al. **Jpn J Thorac Dis** 13(7):413–6, Jul 75 (Eng. Abstr.) **(Jpn)**

[Contribution of medical radiophotography in detection of non–tubercular intrathoracic diseases] Seiciu P, et al. **Rev Ig [Pneumoftiziol]** 24(3):177–8, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Tumors of the thoracic wall] Kostić D. **Vojnosanit Pregl** 32(4):368–74, Jul–Aug 75 (Eng. Abstr.) **(Ser)**

[Thymolipoma: Report of a case and review of the literature] González A, et al. **Rev Clin Esp** 141(5):491–5, 15 Jun 76 **(Spa)**

[Thoracic tumor in Von Rechklinghausen neurofibromatosis (report of a clinical case)] Muñoz JR, et al. **Rev Clin Esp** 141(4):379–83, 31 May 76 **(Spa)**

RADIOTHERAPY

Method for calculating dose when lung tissue lies in the treatment field. McDonald SC, et al. **Med Phys** 3(4):210–6, Jul–Aug 76

[State of the heart in the radiation therapy of intrathoracic tumors according to radiographic and polycardiographic study data] Tikhonov KB, et al. **Med Radiol (Mosk)** 21(3):58–63, Mar 76 (Eng. Abstr.) **(Rus)**

SECRETION

Watery diarrhoea and ganglioneuroma with secretion of vasoactive intestinal peptide. Swift PG, et al. **Arch Dis Child** 50(11):896–9, Nov 75

SURGERY

Repair of abdominal and thoracic wall defects by bovine fascia (ox fascia). El–Domeiri AA. **Arch Surg** 111(2):172–4, Feb 76

Giant chondromas arising from the ribs. A report of four cases. Pandey S. **J Bone Joint Surg [Br]** 57(4):519–22, Nov 75

[13–month follow–up result of a 5–kilo gram sternal chondroma treated by resection and silastic prosthesis] Spay G, et al. **Ann Chir Plast** 20(1):75–8, 1975 (Eng. Abstr.) **(Fre)**

[5 kg sternal chondroma, treated by resection and silastic prosthesis. Satisfactory result] Spay G, et al. **J Chir (Paris)** 111(4):477–82, Apr 76 (Eng. Abstr.) **(Fre)**

[Extensive hemangio–lymphangioma in a 2 year olf child] pp. 353–5. Haussmann P, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs–Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Intrathoracic neoplasm arising from the vagus nerve—a case report] Shirakusa T, et al. **Jpn J Thorac Surg** 28(11):827–30, Nov 75 (Eng. Abstr.) **(Jpn)**

[Resection of chondrosarcoma of the sternum with restoration of the thoracic wall. Report of a case] Bartolomucci AC, et al. **Rev Assoc Med Bras** 21(9):273–7, Sep 75 (Eng. Abstr.) **(Por)**

THERAPY

Primary tumors of the thorax in children. Tandon RK. **Indian J Chest Dis** 16(4):386–9, Oct 74

[Proceedings: Granulomatous hepatitis due to BCG during immunotherapy for malignant melanoma] Serrou B, et al. **Arch Fr Mal App Dig** 64(3):287–8, Apr–May 75 **(Fre)**

THORACIC NERVES

Total spinal anesthesia: a rare complication of intrathoracic intercostal nerve block. Otto CW, et al. **Ann Thorac Surg** 22(3):289–92, Sep 76

Neuroblastoma with metastasis to mandible. Report of a case and review of literature. Chakrabarty PB, et al. **Indian J Cancer** 12(2):219–23, Jun 75

Syndrome of the rectus abdominis muscle: A peripheral neurological condition causing abdominal diagnostic problems. Kómár J, et al. **J Neurol** 210(2):121–5, 1 Sep 75

Case for diagnosis: mediastinal neurofileroma. Flanagan P. **Milit Med** 141(1):21,29, Jan 76

Sensory skin flaps for coverage of pressure sores in paraplegic patients. A preliminary report. Daniel RK, et al. **Plast Reconstr Surg** 58(3):317–28, Sep 76 **(Eng, Eng)**

DRUG EFFECTS

Intercostal blocks with etidocaine. Preliminary report. Dhunér KG, et al. **Acta Anaesthesiol Scand [Suppl]** (60):39–42, 1975

Single–dose intercostal nerve blocks with etidocaine for pain relief after upper abdominal surgery. Preliminary communication. Engberg G. **Acta Anaesthesiol Scand [Suppl]** (60):43–9, 1975

Etidocaine in intercostal nerve block for pain relief after thoracotomy; a comparison with bupivacaine. Willdeck–Lund G, et al. **Acta Anaesthesiol Scand [Suppl]** (60):33–8, 1975

Post–thoracotomy intercostal block: comparison of its effects on pulmonary function with those of intramuscular meperidine. Faust RJ, et al. **Anesth Analg (Cleve)** 55(4):542–6, Jul–Aug 76

PHYSIOLOGY

Open–loop respiratory chemosensitivity in chickens and ducks. Jones DR, et al. **Am J Physiol** 230(4):861–7, Apr 76

Proceedings: Multi–terminal afferent fibres from the thoracic viscera in sympathetic rami communicantes of cats and dogs. Banzett RB, et al. **J Physiol (Lond)** 254(1):57P–58P, Jan 76

Proceedings: The average common excitation (ACE) potential and its significance. Kirkwood PA, et al. **J Physiol (Lond)** 259(1):36P–37P, Jul 76

Central and peripheral neural respiratory activity in the mature sheep foetus and newborn lamb. Bystrzycka E, et al. **Respir Physiol** 25(2):199–215, Nov 75

THORACIC RADIOGRAPHY

Letter: Of the heart–to–chest ratio. Burch GE. **Am Heart J** 92(2):264–5, Aug 76

Understanding chest x–rays. Tinker JH. **Am J Nurs** 76(1):54–8, Jan 76

The chest roentgenogram as an epidemiologic tool. Report of a workshop. Weill H, et al. **Arch Environ Health** 30(9):435–9, Sep 75

Technique of measurement of the cardio–thoracic ratio. Harmand D, et al. **Australas Radiol** 19(2):172–4, Jun 75

Letter: Routine preoperative chest radiography. Evison G. **Br Med J** 2(6026):44, 3 Jul 76

Letter: Interpretation of chest X–ray films. Fry WA. **Chest** 69(4):571, Apr 76

Roentgenogram of the month Asymmetry of the chest in asymptomatic man. Funahashi A, et al. **Chest** 69(2):205–6, Feb 76

Disagreements in chest roentgen interpretation. Herman PG, et al. **Chest** 68(3):278–82, Sep 75

The chest radiograph in pregnancy. Turner AF. **Clin Obstet Gynecol** 18(3):65–74, Sep 75

The anterior view chest radiograph–criteria for normality derived from a basic analysis of the shadows. George Simon Lecture delivered at Exeter on 16 March 1974. Simon G. **Clin Radiol** 26(4):429–37, Oct 75

Common bony densities simulating disease in the chest. Chiu CL, et al. **JAMA** 234(11):1171–4, 15 Dec 75

Editorial: Septal lines. **Lancet** 1(7957):463, 28 Feb 76

A generalist's approach to diagnostic chest x–ray. Bachman H. **Ohio State Med J** 71(14):709, Oct 75

Chest radiography following coronary artery bypass graft. Perlman HC, et al. **Pa Med** 79(2):56–7, Feb 76

Axillary lymphadenopathy simulating an anterior mediastinal mass on the lateral chest roentgenogram. Forrest JV, et al. **Radiology** 119(1):96, Apr 76

Traumatic disruption of the thoracic aorta: significance of the left apical extrapleural cap. Simeone JF, et al. **Radiology** 117(2):265–8, Nov 75

[Letter: Routine thoracic radiography] Floystrup T. **Ugeskr Laeger** 138(7):431–3, 9 Feb 76 **(Dan)**

[The value of routine roentgen examination of the thorax in hospitalized patients] Nielsen LS, et al. **Ugeskr Laeger** 137(48):2820–2, 24 Nov 75 (Eng. Abstr.) **(Dan)**

[Routine roentgen examination of the thorax and electrocardiography in a gastroenterological out–patient clinic. Useful or unnecessary examinations?] Pilgaard S, et al. **Ugeskr Laeger** 137(48):2817–20, 24 Nov 75 (Eng. Abstr.) **(Dan)**

[Thoracic x–ray film in relation to hemodynamics] Heikkilä J. **Duodecim** 92(8):411–26, 1976 (Eng. Abstr.) **(Fin)**

[Roentgen film densimetric analysis of pulmonary distribution disorders] Wuthe H, et al. **Radiol Diagn (Berl)** 15(4):427–32, 1974 **(Ger)**

[Diagnosis of Budd–Chiari syndrome with chest x–ray as a clue, with special reference to diagnosis by angiography] Ito T, et al. **Jpn J Clin Radiol** 20(8):687–92, Aug 75 **(Jpn)**

[Anatomical constraints in the design of artificial hearts computer analysis of dimensional mesurements of casts of the thoracic cavity and data derived from thoracic radiography] Agishi T, et al. **Jpn J Med Electron** 13(5):267–73, Oct 75 (Eng. Abstr.) **(Jpn)**

[Studies of contours of the heart and thorax silhouettes] Sezaki N. **Jpn J Med Electron** 13(3):141–7, 30 Jun 75 (Eng. Abstr.) **(Jpn)**

[Routine X–ray of thorax. A 3–year material] Lovås J, et al. **Tidsskr Nor Laegeforen** 95(30):1724–5, 30 Oct 75 (Eng. Abstr.) **(Nor)**

[Radiographic pattern of pulmonary circulation and central venous pressure in acute myocardial infarct. Radiographic and hemodynamic correlations] Smajkiewicz L, et al. **Pol Przegl Radiol** 39(4):445–52, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Experimental study of the visual search in the process of the analysis of x–rays] Urvantsev LP. **Vestn Rentgenol Radiol** (1):93–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Letter: Field emission 350kVp chest X–ray system. Charbonnier FM. **Radiography** 41(485):131–2, May 75

Letter: 350 kVp chest x–ray system; and explanation. Crooks HE. **Radiography** 41(484):108, Apr 75

Clinical evaluation of the 350–kV chest radiography system. Hallenbeck GS. **Radiology** 117(1):1–4, Oct 75

Use of a double screen–film combination in bedside chest roentgenography. Wilkinson GA, et al. **Radiology** 117(1):222–3, Oct 75

METHODS

The teaching role of chest tomography. Fullingim DR. **J Am Osteopath Assoc** 74(11):1059–67, Jul 75

Dynamic x–ray examination of the thorax. 1. Inspirium–expirium radiographies. Beeckman P, et al. **J Belge Radiol** 58(4):329–34, Jul–Aug 75

Thorax radiography with e.c.g. and respiration control. Bakema H, et al. **Med Biol Eng** 13(4):588–91, Jul 75

Letter: More on that 350 kVp chest X–ray system. Norton CS. **Radiography** 41(485):132, May 75

Depth resolution: a mechanism by which high kilovoltage improves visibility in chest films. Dyke WP, et al. **Radiology** 117(1):159–64, Oct 75

Rapid computer–aided radiographic calculation of total lung capacity (TLC). Glenn WV Jr, et al. **Radiology** 117(2):269–73, Nov 75

[Xerotomography of the thorax] Schnieber E. **Dtsch Med Wochenschr** 101(10):377–9, 5 Mar 76 **(Ger)**

[Xero–radiography of the thorax(author's transl)] Schertel L, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):417–22, May 75 (Eng. Abstr.) **(Ger)**

[Respiration–phase coordinated thoracic radiographic pictures in infancy. Results and significance] Becker M. **Kinderaerztl Prax** 43(3):97–101, Mar 75 **(Ger)**

[Chest radiograph with tilted tube M a contribution to differential diagnosis between middle lobe atelectasis and interlobar pleuritis (author's transl)] Hille M, et al. **Radiol Diagn (Berl)** 16(3):465–71, 1975 (Eng. Abstr.) **(Ger)**

[The importance of frontal chest x rays for the forefield diagnosis of complete transposition of the large vessels] Nitz I, et al. **Radiol Diagn (Berl)** 16(6):769–77, 1975 (Eng. Abstr.) **(Ger)**

STANDARDS

Double standards in radiology. Clarke WG. **Radiography** 41(485):121–2, May 75

[On the radiation exposure in the standardized method of chest examination (author's transl)] Angerstein W, et al. **Radiol Diagn (Berl)** 16(6):863–8, 1975 (Eng. Abstr.) **(Ger)**

[Recommendations for standardization of radiography of thoracic organs in childhood] Buttenberg H, et al. **Radiol Diagn (Berl)** 16(3):483–5, 1975 **(Ger)**

[Observer error in interpretation of chest–radiophotographs (author's transl)] Angerstein W, et al. **Z Erkr Atmungsorgane** 142(1):87–93, Jan 75 (Eng. Abstr.) **(Ger)**

UTILIZATION

Routine preoperative chest radiography in non-cardiopulmonary surgery. Rees AM, et al. **Br Med J** 1(6021):1333-5, 29 May 76

THORACIC VERTEBRAE

Editorial: Thoracic discs are different. **Br Med J** 1(6010):608, 13Mar 76

Letter: Thoracic discs are different. Fitzgerald RT. **Br Med J** 1(6016):1019, 24 Apr 76

The treatment of thoracic intervertebral disc protrusions. Jefferson A. **Clin Neurol Neurosurg** 78(1):1-9, 1975

Acute back pain associated with a calcified Schmorl's node: a case report. Smith DM. **Clin Orthop** (117):193-6, Jun 76

Thoracolumbar scoliosis in cerebral palsy. Results of surgical treatment. Bonnett C, et al. **J Bone Joint Surg [Am]** 58(3):328-36, Apr 76

Editorial: The syndrome of the prolapsed thoracic intervertebral disc. Shaw NE. **J Bone Joint Surg [Br]** 57(4):412, Nov 75

Osteoclastoma of the thoracic spine. Case report. Gonem MN. **J Neurosurg** 44(6):748-52, Jun 76

Relief of spinal block during embolization of a vertebral body hemangioma. Case report. Gross CE, et al. **J Neurosurg** 45(3):327-30, Sep 76

Vertebral haemangiomatosis causing paraplegia. Harandi BA, et al. **Paraplegia** 13(2):89-94, Aug 75

Aneurysmal bone cyst of the spine. Two cases. Lipper MH. **S Afr Med J** 49(34):1409-10, 9 Aug 75

Angiographic demonstration of vertebral osteoid osteoma. Kamao S, et al. **Surg Neurol** (3):167-8, Sep 76

Metastatic carcinoid presenting as a spinal tumor. Kirkpatrick DB, et al. **Surg Neurol** 4(3):283-7, Sep 75

Surgical treatment of thoracolumbar disc herniation. Gendreau C, et al. **Vet Med Small Anim Clin** 71(8):1051-8, Aug 76

[Significance of the rotation index for the prognostic evaluation of idiopathic thoracic scoliosis] Götze HG. **Z Orthop** 113(4):563-5, Aug 75 **(Ger)**

[Paraplegia and recto-vesical disorders: metastasis of liver cancer to the spinal cord (case 1) and to the thoracic vertebrae (case 2)] Sato H, et al. **Jpn J Clin Med** Spec No:902-3, 1362-5, 10 Apr 75 **(Jpn)**

[Ambulatory difficulty and sensory disturbance of the lower extremities: Grawitz's tumor (with metastasis to the thoracic vertebrae)] Yoshida H, et al. **Jpn J Clin Med** Spec No:916-7, 1390-3, 10 Apr 75 **(Jpn)**

[The protrusion of thoracic intervertebral disc-thoracic spondylosis (author's transl)] Daita G, et al. **Neurol Surg (Tokyo)** 3(6):509-15, Jun 75 (Eng. Abstr.) **(Jpn)**

[Symptom of crepitant shoulder girdle in steroid induced spondylopathy] Shul'tsev GP. **Klin Med (Mosk)** 52(3):135, Mar 74 **(Rus)**

ABNORMALITIES

A recessive form of congenital scoliosis different from spondylothoracic dysplasia. Langer LO Jr, et al. **Birth Defects** 11(6):83-6, 1975

A case of cerivco-thoracic anomaly simulating traumatic fracture-dislocation. Abel MS, et al. **Clin Orthop** (116):133-7, May 76

ANATOMY & HISTOLOGY

[Contribution to the study of thoracic vertebral articular cavities between the articular processes (author's transl)] Ley F. **Arch Anat Histol Embryol (Strasb)** 57(1):61-114, 1974 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Vascular topography of the dorsolumbar spine in the African Black (105 cases)] Louis R, et al. **Bull Assoc Anat (Nancy)** 59(166):657-72, Sep 75 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Spinal fusion with free periosteal grafts and its effect on vertebral growth in yound rabbits. Ritsilä V, et al. **J Bone Joint Surg [Br]** 57(4):500-5, Nov 75

INJURIES

Treatment of thoracolumbar dislocation and fractures with paraplegia. Bedbrook GM. **Clin Orthop** (112):27-43, Oct 75

Biomechanical analysis of structural stability of internal fixation in fractures of the thoracolumbar spine. Stauffer ES, et al. **Clin Orthop** (112):159-64, Oct 75

Fractures of the dorsal and lumbar spine. Hubbard DD. **Orthop Clin North Am** 7(3):605-14, Jul 76

Post-traumatic syringomyelia. Laha RK, et al. **Surg Neurol** 4(6):519-22, Dec 75

[Diagnosis and treatment of stable fractures of the thoracolumbar spine] Veen HF, et al. **Ned Tijdschr Geneeskd** 119(49):1930-7, 6 Dec 75 (Eng. Abstr.) **(Dut)**

[Pseudarthrosis of the dorso-lumbar vertebrae] Roy-Camille R, et al. **Rev Chir Orthop** 61(3):249-57, Apr-May 75 (Eng. Abstr.) **(Fre)**

[Surgical fixation of the spine in fractures in the thoracic and lumbar segments] Zakrevskiĭ LK, et al. **Vestn Khir** 114(5):84-7, May 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The relationship of kyphosis to the shape of vertebral bodies. Milne JS, et al. **Ann Hum Biol** 3(2):173-9, Mar 76

Fibroxanthosarcoma of bone. Newland RC, et al. **Pathology** 7(3):203-8, Jul 75

[Clinico-pathological conference XXIX. Tumor infiltration and destruction of 2 thoracic vertebrae in thoracic radiography] Sandström R. **Duodecim** 91(18):1093-102, 1975 **(Fin)**

PHYSIOLOGY

Three-dimensional flexibility and stiffness properties of the human thoracic spine. Panjabi MM, et al. **J Biomech** 9(4):185-92, 1976

Mechanical properties of the human thoracic spine as shown by three-dimensional load-displacement curves. Panjabi MM, et al. **J Bone Joint Surg [Am]** 58(5):642-52, Jul 76

RADIOGRAPHY

Herniated thoracic intervertebral disc. Case report. Azar-Kia B, et al. **Ill Med J** 148(3):230-1, Sep 75

Vertebral sarcoidosis in adolescents. Stump D, et al. **Radiology** 121(1):153-5, Oct 76

Diagnosis of thoracic and lumbar disc disease by gas myelography. Komaki S, et al. **Wis Med J** 75(4):S29-32, Apr 76

[Case report of Calvé disease(author's transl)] Marti T. **Praxis** 64(36):1142-4, 9 Sep 75 (Eng. Abstr.) **(Fre)**

SURGERY

Anterior approach to the thoracolumbar spine: technical considerations. Burrington JD, et al. **Arch Surg** 111(4):456-63, Apr 76

Congenital kyphoscoliosis with paralysis following hemivertebra excision. Winter RB. **Clin Orthop** (119):116-25, Sep 76

The treatment of horses with chronic back pain by resecting the summits of the impinging dorsal spinous processes. Jeffcott LB, et al. **Equine Vet J** 7(3):115-9, Jul 75

The clinical syndromes and surgical treatment of thoracic intervertebral disc prolapse. Benson MK, et al. **J Bone Joint Surg [Br]** 57(4):471-7, Nov 75

Thoracolumbar hemilaminectomy in the dog using a power skull trephine (a photo essay). David T. **Vet Med Small Anim Clin** 71(4):477-9, Apr 76

A rongeuring technique for performing thoracolumbar hemilaminectomies. Swaim SF. **Vet Med Small Anim Clin** 71(2):172-5, Feb 76

[Kyphotic paraplegia treated by antero-lateral transthoracic decompression and double autograft] Papo I, et al. **Neurochirurgie** 21(3):247-52, May-June 75 (Eng. Abstr.) **(Fre)**

[Surgical treatment of hemangiomas of the vertebral body] Tsiv'ian IaL. **Khirurgiia (Mosk)** (12):57-62, Dec 75 **(Rus)**

THORACOPLASTY

The value of thoracoplasty before extensive unilateral resection for pulmonary tuberculosis. Tamimi TM, et al. **Am Surg** 42(1):71-4, Jan 76

Surgery in Maryland state tuberculosis hospitals. II. The period 1956-1966. Garvey JW, et al. **Md State Med J** 24(12):67-9, Dec 75

Pedicle thoracoplasty and free skin transplantations in the treatment of open postpneumonectomy cavity after empyema. Eerola S. **Scand J Thorac Cardiovasc Surg** 10(2):175-8, 1976

[Results of simultaneous cavernotomy and limited thoracoplasty in treatment of patients with disseminated and complicated fibrous-cavernous pulmonary tuberculosis] Kimiagarov IaE, et al. **Probl Tuberk** (8):38-42, 1975 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[A case of fatal fat embolism immediately following osteoplastic thoracoplasty using the Björk technic] Cherkaoui O, et al. **Helv Chir Acta** 42(4):513-8, Sep 75 **(Fre)**

HISTORY

[Surgical collapse therapy] Miyamoto S. **Kekkaku** 50(11):564-8, Dec 75 **(Jpn)**

METHODS

Repair of large chest wall defects using pedicle flaps. Gardner B, et al. **Am J Surg** 132(3):406-9, Sep 76

[Surgical management of the funnel chest. Pedunculated inversionplasty] Jung A, et al. **Z Orthop** 113(4):830-3, Aug 75 **(Ger)**

[Single-stage cavernotomy with restricted thoracoplasty] Kumiagarov IaE. **Grudn Khir** (5):57-60, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Dynamic changes in the caverns after an apical osteoplastic thoracoplasty in patients with fibro-cavernous pulmonary tuberculosis] Ursov IG, et al. **Probl Tuberk** (4):28-31, 1975 (Eng. Abstr.) **(Rus)**

THORACOSCOPY

Thoracoscopy as an aid to the diagnosis of diaphragmatic injury in penetrating wounds of the left lower chest: a preliminary report. Jackson AM, et al. **Injury** 7(3):213-7, Feb 76

METHODS

Direct diagnostic thoracoscopy. Lewis RJ, et al. **Ann Thorac Surg** 21(6):536-9, Jun 76

[The development of endoscopic and bioptic method for the diagnosis of chest diseases (author's transl)] Maassen W. **Prax Pneumol** 29(12):716-22, Dec 75 (Eng. Abstr.) **(Ger)**

THORAX

Chest wall stimulation for temporary suppression of competitive rhythms due to permanent pacemaker malfunction. Deutsch PG, et al. **Am J Med Sci** 271(2):221-4, Mar-Apr 76

Programmed instruction. Patient assessment: examination of the chest and lungs. Mechner F. **Am J Nurs** 76(9):1453-75, Sep 76

Letter: Methods of chest drainage. von Hippel A. **Ann Thorac Surg** 20(6):721-2, Dec 75

Editorial: Cigarette smoking and chest pain. **Br Med J** 4(5993):368, 15 Nov 75

Letter: Thoracic discs are different. Miller JD. **Br Med J** 1(6019):1213, 15 May 76

Standards for training in endoscopy. Statement of the Committee on Bronchoesophagology, American College of Chest Physicians. **Chest** 69(5):665-6, May 76

An experimental method of estimating the depth of 241Am deposited in the chest. Toohey RE. **Health Phys** 29(3):417-8, Sep 75

Chest pain. Clark MC. **Heart Lung** 4(6):956-62, Nov-Dec 75

Voluntary changes of thoracoabdominal shape and regional lung volumes in humans. Grassino AE, et al. **J Appl Physiol** 39(6):997-1003, Dec 75

Chest wall distortion and regional lung volume distribution in erect humans. Grassino AE, et al. **J Appl Physiol** 39(6):1004-7, Dec 75

The head circumference chest circumference ratio in mild-to-moderate protein-calorie malnutrition. Martorell R, et al. **J Trop Pediatr** 21(4):203-7, Aug 75

An unusual cause of recurrent chest pain. Fixler DE, et al. **JAMA** 234(12):1255-6, 22 Dec 75

Chest pain in patients seen in emergency clinics. Kleiger RE. **JAMA** 236(6):595-7, 9 AUG 76

Automatic measurement of chest drainage by an ultrasonic system. Blackburn JP, et al. **Lancet** 2(7882):698, 21 Sep 74

Chest pain in children: a prospective study. Driscoll DJ, et al. **Pediatrics** 57(5):648-51, May 76

The patient with chest pain. Seckler SG, et al. **Primary Care** 1(2):199-210, Jun 74

Internal mammary lymphoscintigraphy. The rationale, technique, interpretation and clinical application: a review based on 848 cases. Ege GN. **Radiology** 118(1):101-7, Jan 76

Intrathoracic stomach: when does it obstruct? Gerson DE, et al. **Radiology** 119(2):257-64, May 76

[Treatment of contractures due to cicatrix on the trunk and extremities] Brückner H. **Beitr Orthop Traumatol** 22(4):193-201, Apr 75 **(Ger)**

[Heart diseases. From symptom to diagnosis: pectoral pain] Schweizer W. **Z Allgemeinmed** 51(4):135-8, 10 Feb 75 **(Ger)**

[Postoperative thoracic pain] Paolini A, et al. **Recent Prog Med (Roma)** 59(1):41-60, Jul 75 **(Ita)**

[Surgical management of foreign bodies in the field of thoracic surgery] Matsukura H, et al. **Jpn J Thorac Surg** 28(8):574-9, 1 Aug 75 (Eng. Abstr.) **(Jpn)**

[Non-obstructive drainage-tube with a mandrin for the drainage of thoracic and mediastinal cavities] Mutsuda T, et al. **Jpn J Thorac Surg** 29(1):34-6, Jan 76 (Eng. Abstr.) **(Jpn)**

[Angiofibroma of the chest wall] Pyl'tsov IM, et al. **Grudn Khir** (1):115, Jan-Feb 74 **(Rus)**

[Isolated closed injuries of the diaphragm with eventration of the abdominal organs into the thoracic cavity] Pirozhenko VV, et al. **Klin Med (Mosk)** 53(12):104-6, Dec 75 **(Rus)**

[Importance of certain immunological tests in differential diagnosis of tuberculosis of intrathoracic lymph nodes] Kshanovskiĭ SA, et al. **Probl Tuberk** (10):21-5, 1975 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Apical pneumatocele. Devgan BK, et al. **Arch Otolaryngol** 102(2):121-3, Feb 76

The renal lesion in syndromes of multiple congenital malformations. Cerebrohepatorenal syndrome; Jeune asphyxiating thoracic dystrophy; tuberous sclerosis; Meckel syndrome. Bernstein J, et al. **Birth Defects** 10(4):35-43, 1974

A renal lesion in asphyxiating thoracic dysplasia. Edelson PJ, et al. **Birth Defects** 10(4):51-6, 1974

The renal disease of thoracic asphyxiant dystrophy. Gruskin AB, et al. **Birth Defects** 10(4):44-50, 1974

The operative correction of pectus carinatum. Ravitch MM.

Bull Soc Int Chir 34(2):117–20, 1975

Roentgenogram of the month Asymmetry of the chest in asymptomatic man. Funahashi A, et al. **Chest** 69(2):205–6, Feb 76

Technical considerations in the surgical management of pectus excavatum and carinatum. Robicsek F, et al. **Coll Works Cardiopulm Dis** 20:44–57, Dec 75

Cerebro–facio–thoracic dysplasia: report of three cases. Pascual–Castroviejo I, et al. **Dev Med Child Neurol** 17(3):343–51, Jun 75

Reconstruction of mammary hypoplasma associated with chest wall deformities. Hawtof DB, et al. **Plast Reconstr Surg** 57(2):172–5, Feb 76

Prevalences of leg and chest abnormalities in four South African schoolchild populations with special reference to vitamin D status. Richardson BD, et al. **Postgrad Med J** 51(591):22–9, Jan 75

[Congenital truncular sulci] Dayot P, et al. **Ann Chir Plast** 21(1):29–33, 1976 (Eng. Abstr.) **(Fre)**

[Forward deformation of the thoracic wall. Pigeon breast and related forms. Anatomo–clinical forms and treatment (author's transl)] Bedouelle J. **Ann Chir Thorac Cardiovasc** 15(1):7–14, Jan 76 (Eng. Abstr.) **(Fre)**

[Deformations of the anterior thoracic wall (author's transl)] Jaubert de Beaujeu M, et al. **Ann Chir Thorac Cardiovasc** 15(1):1–6, Jan 76 (Eng. Abstr.) **(Fre)**

[Phocomelia and aplasia of the anterior part of the right hemithorax. Repair for the purpose of installing an appliance (author's transl)] Le Brigand H, et al. **Ann Chir Thorac Cardiovasc** 15(1):15–7, Jan 76 (Eng. Abstr.) **(Fre)**

[Funnel chest and barrel chest. Treatment by sterno–chondroplasty. With reference to 43 operations (author's transl)] Witz JP, et al. **Ann Chir Thorac Cardiovasc** 15(2):157–60, Apr 76 (Eng. Abstr.) **(Fre)**

[Thoracic malformation and heart disease] Morand P, et al. **Poumon Coeur** 30(6):409–19, 1974 (Eng. Abstr.) **(Fre)**

[Surgical correction of thoracic deformities] Jost A. **Rev Med Suisse Romande** 95(10):795–815, Oct 75 **(Fre)**

[Unviable micromelic dwarfism: a syndrome with dystrophy of the thorax and polydaktyly type Saldino–Noonan (author's transl)] Krepler R, et al. **Monatsschr Kinderheilkd** 124(4):167–73, Apr 76 (Eng. Abstr.) **(Ger)**

[What is your diagnosis?] Ploier R, et al. **Paediatr Paedol** 11(3):566–9, 1976 **(Ger)**

ANATOMY & HISTOLOGY

Head and chest circumferences in rural Guatemalan Ladino children, birth to seven years of age. Malina RM, et al. **Am J Clin Nutr** 28(9):1061–70, Sep 75

Internipple distance and hand measurements in various syndromes. Preus M, et al. **Birth Defects** 11(5):3–6, 1975

Chest calipers for measurement of the thoracic index. Warwick WJ, et al. **Clin Pediatr (Phila)** 15(8):735–7, Aug 76

Morphometrical study of breathing movements using a stereometric method. pp. 341–78. Kovats F. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.**

Weight, height, thorax and of menarche in Spanish schoolgirls. Marin B, et al. **Reproduccion** 2(3–4):227–32, Jul–Dec 75

[Anatomical constraints in the design of artificial hearts computer analysis of dimensional mesurements of casts of the thoracic cavity and data derived from thoracic radiography] Agishi T, et al. **Jpn J Med Electron** 13(5):267–73, Oct 75 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Comparative study of the blood vascular system of the cervico–thoracic region and thoracic limb of the domestic turkey (Meleagris gallopavo). Gadhoke JS, et al. **Anat Anz** 138(1–2):39–45, 1975

Systemic to pulmonary arterial fistula of the chest wall and lung following lobectomy. Syme J. **Australas Radiol** 19(4):326–33, Dec 75

Congenital arteriovenous fistula of the internal thoracic artery and chest wall. Ancalmo N, et al. **J Pediatr Surg** 11(2):271–2, Apr 76

Influence of intrathoracic blood polling on pulmonary air–trapping during immersion. Dahlbäck GO. **Undersea Biomed Res** 2(2):133–40, Jun 75

[Thoraco–abdominal angiotomography. 280 explorations] Lamarque JL, et al. **Nouv Presse Med** 5(17):1115–9, 24 Apr 76 (Eng. Abstr.) **(Fre)**

[Arteriovenous aneurysm between the intercostal artery and subclavian vein in the presence of multiple arterial aneurysms (author's transl)] Heidrich H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):45–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Report on the 2nd continuing education course on thoracic and abdominal angiography in Rome in May 1974] Schröder J. **Roentgenpraxis** 28(4):73–81, Apr 75 **(Ger)**

[Demonstration possibilities of lympho–venous anastomoses in the thoraco–axillary region. Radiologic viewpoints] Jacobs H. **Verh Anat Ges** 69:123–4, 1975 **(Ger)**

[Mondor's disease] Shchekotov GM. **Vestn Khir** 114(2):62–7, Feb 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

A longitudinal study of the growth of trunk surface area measured by planimeter on standard somatotype photographs. Singh R. **Ann Hum Biol** 3(2):181–6, Mar 76

INNERVATION

Functional significance of thoracic vagal branches in the chicken. Peterson DF, et al. **Respir Physiol** 27(2):267–75, Aug 76

PATHOLOGY

Behavior of scar tissue through its evolution with and without surgery with special reference to the chest regions in the young female patient. pp. 316–89. Pitanguy I. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.**

[Premalignant fibroepithelioma tumor of Pinkus] Camacho Martinez F, et al. **Actas Dermosifiliogr** 67(1–2):5–10, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Control of respiration in newborn babies. IV. Rib cage stability and respiratory regulation. Bodegård G. **Acta Paediatr Scand** 65(2):257–66, Mar 76

Longitudinal extension of the pulmonary trunk during breathing in young rabbits: a possible factor in elastin fragmentation. Smith PH. **Can J Physiol Pharmacol** 54(2):113–7, Apr 76

Stability in lobar ventilation distribution during change in thoracic configuration. Minh VD, et al. **J Appl Physiol** 39(3):462–8, Sep 75

Effect of neck versus chest cooling on responses to work in heat. Shvartz E. **J Appl Physiol** 40(5):668–72, May 76

An analysis of the relationship between transthoracic impedance variations and thoracic diameter changes. Kawakami K, et al. **Med Biol Eng** 12(4):446–53, Jul 74

Phaseless recursive filtering applied to chestwall displacements and velocities, using accelerometers. Verburg J, et al. **Med Biol Eng** 12(4):483–8, Jul 74

Transthoracic impedance to direct current discharge: effect of repeated countershocks. Dahl CF, et al. **Med Instrum** 10(3):151–4, May–Jun 76

The prediction of the impedance of the thorax to defibrillating current. Geddes LA, et al. **Med Instrum** 10(3):159–62, May–Jun 76

Letter: Measurement of respiratory drive. Froese AB, et al. **N Engl J Med** 294(16):906–7, 15 Apr 76

Changes in the pattern of breathing caused by chest vibration. Gandevia SC. **Respir Physiol** 26(2):163–71, Apr 76

Thoracic collapse as affected by the retia thoracica in the dolphin. Hui CA. **Respir Physiol** 25(1):63–70, Oct 75

Regional difference of respiratory changes in pleural pressure between left and right thoraxes in dogs. Haneda T, et al. **Tohoku J Exp Med** 118(4):311–5, Apr 76

[A contribution to the origin of lordotic curved back through persisting abdominal breathing (pBA) (author's transl)] Kügelgen HV. **Z Orthop** 114(2):247–52, Apr 76 (Eng. Abstr.) **(Ger)**

[Intrauterine fetal breathing] Sadovsky E, et al. **Harefuah** 88(11):497–8, 1 Jun 75 (Eng. Abstr.) **(Heb)**

[Transthoracic electric impedance and thoracic movement] Kawakami K, et al. **Jpn J Med Electron** 12(6):389–92, Dec 74 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Letter: Horizontal gradient in ventilation distribution due to a localized chest wall abnormality. Minh VD, et al. **Am Rev Respir Dis** 112(5):744–5, Nov 75

[Pressure relationships in the thorax under normal and disease conditions] Seith U. **Med Monatsschr** 29(5):194–8, May 75 **(Ger)**

RADIATION EFFECTS

Letter: Radiation to the head, neck, and upper thorax of the young, and thyroid neoplasia. McConahey WM, et al. **J Clin Endocrinol Metab** 42(6):1182–3, Jun 76

SURGERY

Inflation—1904 model. Comroe JH Jr. **Am Rev Respir Dis** 112(5):713–6, Nov 75

Bilateral tube thoracostomy to preclude fatal tension pneumothorax in patients with acute respiratory insufficiency. Hayes DF, et al. **Am Surg** 42(5):330–1, May 76

Postoperative ventilatory performance: dependence upon surgical incision. Johnson WC. **Am Surg** 41(10):615–9, Oct 75

Post–thoracotomy intercostal block: comparison of its effects on pulmonary function with those of intramuscular meperidine. Faust RJ, et al. **Anesth Analg (Cleve)** 55(4):542–6, Jul–Aug 76

Postoperative analgesia for thoracotomy patients. Kaplan JA, et al. **Anesth Analg (Cleve)** 54(6):773–7, Nov–Dec 75

Membership roster, Southern Thoracic Surgical Association. **Ann Thorac Surg** 21(1):90–6, Jan 76

Vertical axillary thoracotomy: a functional and cosmetically appealing incision. Baeza OR, et al. **Ann Thorac Surg** 22(3):287–8, Sep 76

Transaxillary minithoracotomy: the optimal approach for certain pulmonary and mediastinal lesions. Becker RM, et al. **Ann Thorac Surg** 22(3):254–9, Sep 76

Simplified lateral chest incision for most thoracotomies other than sternotomy. Mitchell R, et al. **Ann Thorac Surg** 22(3):284–6, Sep 76

Emergency open lung biopsy. Nelems JM, et al. **Ann Thorac Surg** 22(3):260–4, Sep 76

Cerebrovascular blockade associated with thoracotomy and its prevention with a platelet inhibitor. Patterson RH Jr. **Ann Thorac Surg** 21(1):38–42, Jan 76

The breeding and feeding of thoracic surgeons. Sloan H. **Ann Thorac Surg** 20(4):371–86, Oct 75

Tracheostomy and endotracheal tube cuff volume and pressure changes during thoracic operations. Stanley TH, et al. **Ann Thorac Surg** 20(2):144–51, Aug 75

Nonoperative management of post thoracotomy diaphragmatic paralysis in two neonates. Ahmed S, et al. **Aust Paediatr J** 11(2):81–3, Jun 75

The deltopectoral flap in chest wall reconstruction. Robinson DW. **Br J Plast Surg** 29(1):22–6, Jan 76

The coin lesion story: update 1976. Twenty years' experience with thoracotomy for 179 suspected malignant coin lesions. Ray JF 3d, et al. **Chest** 70(03):332–6, Sep 76

The role of thoracotomy in the management of the pulmonary metastases of gestational choriocarcinoma. Edwards JL, et al. **Clin Oncol** 1(4):329–339, Dec 75

Cardiac norepinephrine stores and chronotropic reflex response after thoracotomy. Schelbert HR, et al. **J Appl Physiol** 39(2):287–91, Aug 75

Inaugural address. Thoracic surgery comes to Alta California. Part II. Brewer LA 3d. **J Thorac Cardiovasc Surg** 70(5):763–78, Nov 75

A safe method of thoracentesis. Krausz M, et al. **J Thorac Cardiovasc Surg** 72(2):323–5, AUG 76

Editorial: Pain relief after thoracotomy. **Lancet** 1(7959):576, 13 Mar 76

Letter: Breast cancer arising in thoracotomy scars. Freund H, et al. **Lancet** 1(7950):97, 10 Jan 76

Letter: Pain relief after thoracotomy. Smith RA. **Lancet** 1(7963):815–6, 10 Apr 76

Hyperalimentation in cardiothoracic surgery and a technique of central venous catheter placement. Zumbro GL, et al. **Milit Med** 141(3):167–8, Mar 76

Southern thoracic surgery. Pate JW. **South Med J** 68(9):1161–9, Sep 75

Cardiothoracic surgery. Waldhausen JA. **Surg Gynecol Obstet** 142(2):193–7, Feb 76

[Pre–, per–, and postoperative resuscitation in thoracic surgery in newborn infants] Mercier C, et al. **Ann Anesthesiol Fr** 16 Spec No 1:155–60, 1975 (Eng. Abstr.) **(Fre)**

[Reconstruction of the parietal pleura and thoracic wall through epiploic transposition and skin grafting. A case of mammary carcinomatosis with radionecrosis of the wall] Ciaburro H, et al. **Union Med Can** 104(7):110–4, Jul 75 (Eng. Abstr.) **(Fre)**

[Sutures in thoracic surgery] Gschnitzer F. **Chirurg** 46(10):444–7, Oct 75 **(Ger)**

[Thoracic surgery: history and present status (author's transl)] Vossschulte K. **Langenbecks Arch Chir** 339:599–612, Nov 75 (Eng. Abstr.) **(Ger)**

[Sauerbruch and the development of thoracic surgery] Zenker R. **Munch Med Wochenschr** 117(45):1815–8, 7 Nov 75 **(Ger)**

[4th Annual Convention of the German Society for Thoracic, Cardiac and Vascular Surgery, February 20–22, 1975, in Bad Nauheim] **Thoraxchirurgie** 23(3):192–321, Jun 75 **(Ger)**

[The use of laser in thoracic–, cardiac– and vascular surgery (author's transl)] Dittrich H, et al. **Thoraxchirurgie** 23(5):505–10, Oct 75 (Eng. Abstr.) **(Ger)**

[Postoperative analgetics in patients after thorax surgery (author's transl)] Fessl–Alemany E, et al. **Thoraxchirurgie** 23(4):388–92, Aug 75 (Eng. Abstr.) **(Ger)**

[Effect of thoracotomy on the contractility parameters of the left heart ventrilce in dogs] Komarek J, et al. **Z Kardiol** 64(10):976–83, Oct 75 (Eng. Abstr.) **(Ger)**

[Radiological patterns of the esophagus following thoracic surgery] Karski JB, et al. **Pol Przegl Chir** 47(7):937–41, Jul 75 (Eng. Abstr.) **(Pol)**

[Effect of pulmonary ventilation capacity on the postoperative course in thoraco–pulmonary surgery] Popa N, et al. **Rev Chir [Chir]** 24(5):361–5, Sep–Oct 75 (Eng. Abstr.) **(Rum)**

[Repeated thoracotomy in clotting hemothorax after lung resections] Gagua RO, et al. **Grudn Khir** (6):63–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Lateral thoracotomy without dissection of the muscles and lateral neural–vascular bundle] Tsybyrne KA, et al. **Grudn Khir** (5):83–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Importance of diagnostic thoracotomy in timely detection of lung cancer] Vagner RI, et al. **Khirurgiia (Mosk)** (4):22–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Teaching thoracic surgery in the Moscow medical–surgical school during the 1st few years after its foundation] Danilenko MV, et al. **Klin Khir** (8):83–5, Aug 75 **(Rus)**

[Removal of multiple needles from the thoracic and abdominal organs] Firsov VD, et al. **Vestn Khir** 115(10):131, OCT 75 **(Rus)**

[Diagnosis of postoperative hemorrhages after thoracic surgery] Popova GM. **Zdravookhr Kirg** (2):49–51, Mar–Apr 75 **(Rus)**

[Quantitative criterion for chest recuperation after thoracotomy] Bárdoš P, et al. **Rozhl Chir** 55(2):121–5, Feb 76 (Eng. Abstr.) **(Slo)**

TRANSPLANTATION

A comparison of the survival of H-Y incompatible ear, tail, and body skin grafts. Sena J, et al. **Transplantation** 21(5):412–6, May 76

THORAZINE see **CHLORPROMAZINE**

THORIUM

The effect of Thorotrast enriched with Th230. Faber M. **Riso Rep** (294):294–302, Jun 73

[Pathological anatomy, etiology and pathogenesis of remote sequelae of radiation dust exposure] Likhachev IuP. **Arkh Patol** 38(4):18–26, Apr 76 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Multiple external–internal resorptions as late effects of thorium X (224 Ra). Reichart P, et al. **J Oral Pathol** 5(1):52–9, Jan 76

[Proceedings: Lung lesions caused by 'rare earths'] Kappenberger L, et al. **Schweiz Med Wochenschr** 105(51):1799–801, 20 Dec 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Letter: Natural radioactivity in ilmenite aggregates. Gesell TF, et al. **Health Phys** 29(2):354, Aug 75

Gamma-ray emitters in concrete. Lloyd RD. **Health Phys** 31(1):71–3, JUL 76

Thorium in commercially available rare earth compounds. McMillan RC, et al. **Health Phys** 28(5):628–30, May 75

Comparison of thorium gamma spectra in smokers and nonsmokers. Scott LM. **Health Phys** 29(3):418–9, Sep 75

Thorium series radionuclides in compact bone of thorotrast cases – results of measurements at IAEA. Dudley RA. **Riso Rep** (294):81–9, Jun 73

Assessment of organ distribution of thorium by neutron–activation–analysis. Wesch H, et al. **Riso Rep** (294):52–9, Jun 73

[Determination of the total amount of rare earth elements of the yttrium subgroup and thorium in biological material] Mal'tseva MM, et al. **Gig Sanit** (5):87–90, May 76 **(Rus)**

[A method of assessing the content of natural radioactive isotopes of the uranium and thorium in drinking water and food] Mordberg EL, et al. **Gig Sanit** (6):52–5, Jun 75 **(Rus)**

METABOLISM

Tissue distribution and steady state activity ratios of Th232 and daughters in man following intravascular injection of thorotrast. Kaul A. **Riso Rep** (294):14–30, Jun 73

The retention of the daughters of thorium 232 in the soft tissue in animals. Trolle C. **Riso Rep** (294):61–72, Jun 73

[Behavior of thorium-228 and its daughter isotopes in the body of rats when administered perorally] Pavlovskaia NA, et al. **Gig Tr Prof Zabol** (5):36–9, May 74 (Eng. Abstr.) **(Rus)**

TOXICITY

Histological and biochemical alterations in rat's liver and kidney induced by thorium nitrate Behari JR, et al. **Arh Hig Rada Toksikol** 26(4):267–74, 1975

THORIUM DIOXIDE

Introduction: Proceeding of the Third International Meeting on the Toxicity of Thorotrast, held at the Finsen Institute, Copenhagen 25–27 April 1973. Mitchell JS. **Riso Rep** (294):7–13, Jun 73

ADMINISTRATION & DOSAGE

Radiation dose in lungs. Grillmaier R, et al. **Riso Rep** (294):31–51, Jun 73

The skeletal dose from 224Ra following intravascular administration of thorotrast. Rowland RE, et al. **Riso Rep** (294):95–103, Jun 73

ADVERSE EFFECTS

Thorium induced hepatic hemangioendothelioma. Roentgen-angiographic findings in two additional cases with clinical 'inform and consent' problems. Curry JL, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):671–7, Nov 75

Hodgkin's disease following thorium dioxide angiography. Gotlieb AI, et al. **Can Med Assoc J** 115(5):433–4, 4 Sep 76

Nonsecretory plasma cell dyscrasia followed by acute granulocytic leukemia 25 years after Thorotrast administration. Bethlenfalvay NC, et al. **Cancer** 37(3):1449–55, Mar 76

Thorotrast-induced extraskeletal osteosarcoma of the cervical region. Report of a case. Hasson J, et al. **Cancer** 36(5):1827–33, Nov 75

Fourteen-year remission of acute leukemia in a patient exposed to thorotrast. Mabry J, et al. **Cancer** 38(1):306–9, Jul 76

Malignant peritoneal mesothelioma after cholangiography with thorotrast. Maurer R, et al. **Cancer** 36(4):1381–5, Oct 75

Facial nerve paralysis caused by carcinoma developed in thorotrastoma in the parotid gland. Johnsen NJ, et al. **J Laryngol Otol** 90(6):571–5, Jun 76 (14 ref.)

Residual splenic function in the presence of thorotrast-associated hepatic tumor: case report. Spencer RP, et al. **J Nucl Med** 17(3):200–2, Mar 76

Minimal Thorotrast deposition in parapancreatic lymph nodes. Okuda K, et al. **Radiology** 119(1):23–6, Apr 76

The Edinburgh Thorotrast series – report of a cytogenetic study. Buckton KE, et al. **Riso Rep** (294):114–25, Jun 73

Tumours developed in people injected with thorium dioxide (Thorotrast) (Portuguese experience). da Silva Horta J. **Riso Rep** (294):233–47, Jun 73

Historadiographies and autoradiographies form pieces of organs of people injected systemically with thorotrast. da Silva Horta J, et al. **Riso Rep** (294):259–66, Jun 73

Epidemiological follow-up studies of the Portuguese Thorotrast series (up-dated results). da Silva Horta J, et al. **Riso Rep** (294):193–211, Jun 73

Liver ultrastructural findings in patients injected with Thorotrast. da Silva Horta J, et al. **Riso Rep** (294):219–32, Jun 73

Dose effect relations in hepatic carcinogenesis. Faber M. **Riso Rep** (294):308–16, Jun 73

The effect of Thorotrast enriched with Th230. Faber M. **Riso Rep** (294):294–302, Jun 73

Follow-up of Danish Thorotrast cases. Faber M. **Riso Rep** (294):137–47, Jun 73

Aspects of collaboration relating to follow-up-studies. Immich H. **Riso Rep** (294):317–9, Jun 73

Statistical problems of Thorotrast studies. Immich H. **Riso Rep** (294):148–50, Jun 73

Followup of Thorotrast patients from Boston, Massachusetts and Ann Arbor, Michigan, USA. Janower ML. **Riso Rep** (294):126–36, Jun 73

Chromosome aberrations caused by Thorotrast. Kemmer W, et al. **Riso Rep** (294):104–13, Jun 73

Medical problems concerning the control group. Lorenz D, et al. **Riso Rep** (294):169–74, Jun 73

The stability of leukemogenic risk in human marrow irradiated by alpha rays. Marinelli LD. **Riso Rep** (294):303–7, Jun 73

Thorotrast-induced spindle cell sarcoma and hepatic cholangiocarcinoma in Syrian hamsters. Mori T, et al. **Riso Rep** (294):267–80, Jun 73

Thorotrast injury in Japan. Mori T, et al. **Riso Rep** (294):175–92, Jun 73

Expected late effects in Thorotrast patients. Muth H, et al. **Riso Rep** (294):320–9, Jun 73

Non-radiation effects of thorotrast and other colloidal substances. Riedel W, et al. **Riso Rep** (294):281–93, Jun 73

Development and improvement of the questionnaires. Schmidlin P, et al. **Riso Rep** (294):151–6, Jun 73

Liver studies in the thorotrast patients – laboratory and clinical findings (study of 175 cases). Tavares MH, et al. **Riso Rep** (294):212–8, Jun 73

Special clinical findings among Thorotrast patients. van Kaick G, et al. **Riso Rep** (294):163–8, Jun 73

Actual status of the German Thorotrast study. van Kaick G, et al. **Riso Rep** (294):157–62, Jun 73

Pathological findings in the RES (liver, spleen, lymph nodes, bone marrow) of Thorotrast patients (histological an autoradiographic investigations). Wegener K, et al. **Riso Rep** (294):248–58, Jun 73

Hepatoma induced by thorium dioxide. Mann NS, et al. **South Med J** 69(4):510–1, Apr 76

[Bilateral parotid thorotrastoma; apropos of a case] Piquet JJ, et al. **J Fr Otorhinolaryngol** 24(7):538–40, Sep 75 **(Fre)**

[Hepatic, splenic and lymphatic thorotrastosis and dysglobulinemia] Joubaud F, et al. **Sem Hop Paris** 51(14):959–61, 20 Mar 75 **(Fre)**

[Letter: Thorotrast lesions] Wegener K. **Dtsch Med Wochenschr** 100(41):2126, 10 Oct 75 **(Ger)**

[Metastasising carcinoma of the renal pelvis after Thorotrast pyelography] Tschubel K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):103–6, Feb 75 (Eng. Abstr.) **(Ger)**

[The aplastic syndrome following thorotrast] Endres P, et al. **Med Welt** 26(33–34):1454–6, 22 Aug 75 **(Ger)**

[Thorotrast injuries of mesopharynx (author's transl)] Brandt RH, et al. **Radiol Diagn (Berl)** 15(1):3–8, 1974 (Eng. Abstr.) **(Ger)**

[Angiographic diagnosis of a carcinoma of the renal pelvis due to thorotrast (author's transl)] Oser W, et al. **Roentgenblaetter** 29(3):115–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Thorotrast neoplasms—2 autopsy cases—histological and radiographical examination] Ariwa R, et al. **Jpn J Clin Radiol** 20(12):1109–13, Nov 75 **(Jpn)**

[2 cases of thorotrast retention] Hirakawa T, et al. **Jpn J Clin Radiol** 20(8):673–6, Aug 75 **(Jpn)**

[X-ray diagnosis of thorotrast deposits] Kobayashi T, et al. **Jpn J Clin Radiol** 21(1):41–5, Jan 76 **(Jpn)**

[Thorotrast injury in Japan. Statistical study on autopsy cases and follow-up study on 147 cases (author's transl)] Mori T, et al. **Nippon Acta Radiol** 35(6):439–52, 25 Jun 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Electron microscopical studies on Thorotrast permeability across the brain capillaries in rabbits. I. Observations in the normal brain. Kinjo K. **Kumamoto Med J** 29(1):11–22, 31 Mar 76

Electron microscopical studies on thorotrast permeability across the brain capillaries in rabbits. II. Observations in the brain with edema. Kinjo K. **Kumamoto Med J** 29(1):23–34, 31 Mar 76

Thorium series radionuclides in compact bone of thorotrast cases – results of measurements at IAEA. Dudley RA. **Riso Rep** (294):81–9, Jun 73

Tissue distribution and steady state activity ratios of Th232 and daughters in man following intravascular injection of thorotrast. Kaul A. **Riso Rep** (294):14–30, Jun 73

Distribution of thorotrast and its daughter nuclides and estimation of absorbed dose in the human organs. Okawara S, et al. **Riso Rep** (294):72–80, Jun 73

Uptake of colloidal thorium dioxide by the mouse connective tissue mast cell. Clark JM. **Tex Rep Biol Med** 33(3):397–406, 1975

THORNY-HEADED WORMS see **ACANTHOCEPHALA**

THOROTRAST see **THORIUM DIOXIDE**

THREE DAY SICKNESS see **EPHEMERAL FEVER**

THREONINE

Decomposition of phosphoserine and phosphothreonine during acid hydrolysis. Bylund DB, et al. **Anal Biochem** 73(2):477–85, Jun 76

The beta conformation of polypeptides of valine, isoleucine, and threonine in solution and solid-state: optical and infrared studies. Kubota S, et al. **Biopolymers** 14(3):605–31, Mar 75

Assignment of the histidine 12–threonine 45 hydrogen–bonded proton in the NMR spectrum of ribonuclease A in H2O. Patel DJ, et al. **Biopolymers** 14(5):959–74, May 75

Effect of feeding lysine and threonine fortified bread during gestation and lactation on growth of the brain in rats. Chase HP, et al. **J Nutr** 106(1):41–7, Jan 76

Effect of feeding lysine and threonine fortified bread during gestation and lactation on growth of the offspring in rats. Jansen GR, et al. **J Nutr** 106(1):33–40, Jan 76

ANALOGS & DERIVATIVES

The presence of alpha–amino–beta, gamma–dihydroxybutyric acid in hydrolysates of actinomycin Z1. Katz E, et al. **J Antibiot (Tokyo)** 27(12):952–15, Dec 74

Inhibition of the assembly and secretion of procollagen by incorporation of a threonine analogue, hydroxynorvaline. Christner P, et al. **J Biol Chem** 250(19):7623–30, 10 Oct 75

ANALYSIS

Studies on molecular structure, symmetry and conformation. XV. A comparative study of the structural and conformational features of threonine and its isomers. Swaminathan P, et al. **Int J Pept Protein Res** 8(3):265–8, 1976

Duck eggs as a source of methionine and threonine. Hagenmaier R. **J Agric Food Chem** 23(5):994–6, Sep–Oct 75

BIOSYNTHESIS

Regulation of a metabolic system in vitro: synthesis of threonine from aspartic acid. Szczesiul M, et al. **Biochemistry** 15(10):2236–44, 18 May 76

Mechanism of inhibition of Chromatium D growth by L–methionine. Regulation of L–threonine biosynthesis by the intracellular level of S–adenosylmethionine. Sugimoto Y, et al. **Biochim Biophys Acta** 437(2):333–44, 21 Jul 76

Operator–promoter functions in the threonine operon of Escherichia coli. Gardner JF, et al. **J Bacteriol** 124(1):161–6, Oct 75

Operator–constitutive mutants in the threonine operon of Escherichia coli K–12. Saint–Girons I, et al. **J Bacteriol** 124(3):1137–41, Dec 75

DEFICIENCY

Amino acid imbalance in the liquid–fed lamb. Rogers QR, et al. **Aust J Biol Sci** 28(2):169–81, Apr 75

Food intake regulation in pigs. IV. The influence of dietary threonine imbalance on food intake, dietary choice and plasma acid patterns. Robinson DW. **Br Vet J** 131(5):595–600, Sep–Oct 75

Studies on biosynthesis of liver lipids in threonine–deficient rats. Wilfred G, et al. **Indian J Biochem Biophys** 11(3):237–42, Sep 74

The effect of cycloheximide on hepatic RNA synthesis and nucleolar size in rats force–fed a threonine–devoid diet. Sidransky H, et al. **J Nutr** 106(7):930–9, Jul 76

Metabolism of liver triacylglycerols in rats tube–fed a threonine–devoid diet. Johnson O, et al. **Nutr Metab** 20(1):27–40, 1976

METABOLISM

Nutrition of Glossina morsitans: metabolism of U–14C threonine during pregnancy. Moloo SK. **Acta Trop (Basel)** 33(2):133–42, 1976

Restriction of hepatic gluconeogenesis and ureogenesis from threonine when at low concentrations. Bloxam DL. **Am J Physiol** 229(6):1718–23, Dec 75

Vitamin B12 Biosynthesis: in vitro formation of cobinamide

from cobyric acid and L-threonine. Ford SH, et al. **Arch Biochem Biophys** 175(1):121-30, Jul 76

Bacterial catabolism of threonine. Threonine degradation initiated by L-threonine-NAD+ oxidoreductase. Bell SC, et al. **Biochem J** 156(2):449-58, 15 May 76

Conversion of [U-14C]threonine into 14C-labelled amino acids in the brain of thiamin-deficient rats. Gaitonde MK. **Biochem J** 150(2):285-95, Aug 75

Enzyme hyperspecificity. Rejection of threonine by the valyl-tRNA synthetase by misacylation and hydrolytic editing. Fersht AR, et al. **Biochemistry** 15(15):3342-6, 27 Jul 76

Amino acid metabolism in the piglet. 2. Influence of fasting on plasma free amino acid concentration and in vivo oxidation of methionine, isoleucine and threonine. Chavez ER, et al. **Br J Nutr** 36(2):189-98, Sep 76

Requirements of the young turkey for sulphur amino acids and threonine: comparison with other species. D'Mello JP. **Br Poult Sci** 17(2):157-62, Mar 76

Toxicity of various organic sulfur compounds for chicks fed crystalline amino acid diets containing threonine and glycine at their minimal dietary requirements for maximal growth. Katz RS, et al. **J Anim Sci** 41(5):1355-61, Nov 75

Role of L-threonine dehydrogenase in the catabolism of threonine and synthesis of glycine by Escherichia coli. Newman EB, et al. **J Bacteriol** 126(3):1245-9, Jun 76

In vitro incorporation of (3H)threonine and (3H)glucose by the mucous and serous cells of the human bronchial submucosal gland. A quantitative electron microscope study. Meyrick B, et al. **J Cell Biol** 67(2PT.1):320-44, Nov 75

Formation of acetaldehyde from threonine by lactic acid bacteria. Lees GJ, et al. **J Dairy Res** 43(1):75-83, Feb 76

Metabolism of L-threonine and its relationship to sclerotium formation in Sclerotium rolfsii. Kritzman G, et al. **J Gen Microbiol** 95(1):78-86, Jul 76

Adaptive response of lysine and threonine degrading enzymes in adult rats. Chu SH, et al. **J Nutr** 106(8):1089-96, Aug 76

Utilization of amino acids by Trypanosoma brucei in culture: L-threonine as a precursor for acetate. Cross GA, et al. **Parasitology** 71(2):311-26, Oct 75

PHARMACODYNAMICS

Purification of the threonine-sensitive aspartokinase--homoserine dehydrogenase complex using chromatography on substituted Sepharose columns. Broussard L, et al. **Anal Biochem** 72:16-23, 7 May 76

Cobalt(III) affinity-labeled aspartokinase. Formation of substrate and inhibitor adducts. Wright JK, et al. **Biochemistry** 15(17):3704-10, 24 AUG 76

Lysine- and lysine-plus-threonine-inhibitable aspartokinases in Bacillus brevis. Hitchcock MH, et al. **Biochim Biophys Acta** 445(2):350-63, 14 Sep 76

Uridine, phenylalanine and glucosamine incorporation into Tetrahymena pyriformis grown in a defined media and in threonine deficient media. Richmond JE. **Comp Biochem Physiol [B]** 54(3):333-6, 1976

Threonine-sensitive homoserine dehydrogenase of Serratia marcescens. Shailaja MS, et al. **Indian J Biochem Biophys** 12(2):115-9, Jun 75

Some factors affecting the nitrogen sparing action of methionine and threonine in rats fed a protein free diet. Yokogoshi H, et al. **J Nutr** 106(1):48-57, Jan 76

THERAPEUTIC USE

[Imbalance through lysine excess and correction by a threonine supplement, as a function of nutritional status] Fau D. **Ann Nutr Aliment** 29(4):321-35, 1975 (Eng. Abstr.) **(Fre)**

THREONINE DEHYDRATASE see under **HYDRO-LYASES**

THREONYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

THREOSE see under **TETROSES**

THROAT see **PHARYNX**

THROMBASE see **THROMBIN**

THROMBELASTOGRAPHY

Thrombelastographic studies after splenectomy. Misz M, et al. **Acta Med Acad Sci Hung** 31(3-4):195-9, 1974

Proceedings: Thromboelastographic studies on sternal and venous blood. Cretzer D, et al. **Isr J Med Sci** 11(11):1223, Nov 75

Thromboelastographic studies with low-dose heparin. Sagar S, et al. **J R Coll Surg Edinb** 20(6):391-7, Nov 75

Effect of angiotensin II upon platelet adhesiveness and the thrombelastogram in patients with essential arterial hypertension. Uza G, et al. **Pathol Eur** 10(4):327-32, 1975

In vitro testing of surface thrombogenicity using the thrombelastograph. Carr SH, et al. **Res Commun Chem Pathol Pharmacol** 13(3):507-19, Mar 76

[Quality control of platelet concentrates by thrombelastography] pp. 158-9. **In: Masure R, et al., ed. Fractions sanguines humaines hemostatiques et fibrinolytiques. Paris, Masson, 1974. W3 CO9995 1972f.** **(Fre)**

[Thrombelastographic test of fibrinogen] p. 132. **In: Masure R, et al., ed. Fractions sanguines humaines hemostatiques et fibrinolytiques. Paris, Masson, 1974. W3 CO9995 1972f.** **(Fre)**

[Comparative evaluation of thrombelastographic and electroretractographic data in myocardial infarct] Atamanchuk NS. **Vrach Delo** (3):15-8, Mar 74 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Our experience with the Soviet 'Thromb-2' thromboelastograph] Baltadzhieva M. **Eksp Med Morfol** 14(3):174-8, 1975 (Eng. Abstr.) **(Bul)**

METHODS

[Special uses of the thromboelastographic technic in the study and diagnosis of coagulopathies] Balsamo V, et al. **Minerva Pediatr** 28(6):335-40, 25 Feb 76 **(Ita)**

[Thromboelastographic method of determination of plasminogen proactivator, antiactivator, and antiplasmin activity] Levin GIa. **Lab Delo** (11):650-1, 1975 **(Rus)**

VETERINARY

Studies on blood coagulation disorders in domestic animals. Thrombelastograms of normal cattle and cattle affected with bracken poisoning. Yamane O, et al. **Jpn J Vet Sci** 37(6):577-83, Dec 75

THROMBIN

Pulmonary damage following pulmonary microembolism in the dog. Effect of various types of treatment. Lindquist O, et al. **Acta Chir Scand** 142(1):15-9, 1976

Letter: Thrombin time in heparinized plasma. Penner JA. **Am J Clin Pathol** 66(3):612-4, Sep 76

Effects of source and concentration of thrombin, and divalent cations, on thrombin time of heparinized plasma. Ts'ao CH, et al. **Am J Clin Pathol** 65(2):206-12, Feb 76

The role of heparin in the thrombin-antithrombin III reaction. Li EH, et al. **Arch Biochem Biophys** 175(1):153-9, Jul 76

Preparation and partial characterization of two forms of bovine thrombin. Lundblad RL, et al. **Biochem Biophys Res Commun** 66(2):482-9, 16 Sep 75

Heparin reacts stoichiometrically with thrombin during thrombin inhibition in human plasma. Smith GF, et al. **Biochem Biophys Res Commun** 71(3):738-45, 9 Aug 76

Changes in the exposure of tryptophyl and tyrosyl residues in thrombin due to diisopropylphosphorofluoridate and benzamidine inhibitions. Villanueva GB, et al. **Biochem Biophys Res Commun** 67(1):359-65, 3 Nov 75

Characteristics of the association between prothrombin fragment 2 and alpha-thrombin. Myrmel KH, et al. **Biochemistry** 15(8):1767-73, 20 Apr 76

Specificity of thrombin: evidence for selectivity in acylation rather than binding for p-nitrophenyl alpha-amino-p-toluate. Ryan TJ, et al. **Biochemistry** 15(6):1337-41, 23 Mar 76

The structure of human thrombin in relation to autolytic degradation. Gorman JJ, et al. **Biochim Biophys Acta** 439(1):1-16, 19 Jul 76

The affinity of human, rabbit and bovine thrombins for sepharose-lysine and other conjugates. Hatton MW, et al. **Biochim Biophys Acta** 427(2):575-85, 14 Apr 76

Mechanism of action of heparin through thrombin on blood coagulation. Machovich R. **Biochim Biophys Acta** 412(1):13-7, 18 Nov 75

Evidence for the formation of an ester between thrombin and heparin cofactor. Owen WG. **Biochim Biophys Acta** 405(2):380-7, 20 Oct 75

Isolation of membranes from normal and thrombin-treated gel-filtered platelets using a lectin marker. Rittenhouse-Simmons S, et al. **Biochim Biophys Acta** 426(4):688-96, 5 Apr 76

High affinity binding of human and bovine thrombins to p-chlorobenzylamido-epsilon-aminocaproyl agarose. Thompson AR. **Biochim Biophys Acta** 422(1):200-9, 23 Jan 76

Fibrinolysis, fibrinogen and trhombin time in newborns. Hrodek O, et al. **Biol Neonate** 28(1-2):106-12, 1976

Action of thrombin on ovine, bovine and human pituitary growth hormones. Gráf L, et al. **Eur J Biochem** 64(2):333-40, 1 May 76

Use of a platelet-fibrinogen-thrombin mixture as a corneal adhesive: experiments with sutureless lamellar keratoplasty in the rabbit. Rosenthal AR, et al. **Invest Ophthalmol** 14(11):872-5, Nov 75

The interactions of thrombin with borosilicate glass surfaces. Waugh DF, et al. **J Biomed Mater Res** 9(5):511-36, Sep 75

Effect of urokinase upon euglobulin lysis time and thrombin time. Lee TK, et al. **J Formosan Med Assoc** 75(03):190-7, Mar 76

Proceedings: The prolonging effect of soy bean trypsin inhibitor on the thrombin clotting time. Kierulf P, et al. **Thromb Diath Haemorrh** 34(1):340, 30 Sep 75

Proceedings: Thrombin and reptilase induced fibrin structures in the presence of dextran: a quantitative electron microscope study. Krause WH, et al. **Thromb Diath Haemorrh** 34(2):572-3, 15 Nov 75

Adverse effect of heparin in thrombin-antithrombin III interaction. Marciniak E. **Thromb Diath Haemorrh** 34(3):758-62, 15 Dec 75

Proceedings: Cleavage of thrombosthenin A and A' by thrombin. Muszbek L, et al. **Thromb Diath Haemorrh** 34(2):559-60, 15 Nov 75

Effect of sodium and potassium ions on the activity of human antithrombin-heparin cofactor. Machovich R, et al. **Thromb Res** 7(2):305-13, Aug 75

The interaction of thrombin and heparin. Heat inactivation kinetics. Machovich R, et al. **Thromb Res** 7(2):253-60, Aug 75

Thrombin-like enzymes of snake venoms: actions on prothrombin. Pirkle H, et al. **Thromb Res** 8(5):619-27, May 76

[Activation of prothrombin by thrombin immobilized on agarose] Strukova SM. **Dokl Akad Nauk SSSR** 225(1):220-2, 1 Nov 75 **(Rus)**

ADMINISTRATION & DOSAGE

Renal vascular resistance changes following thrombin-induced intravascular coagulation: role of platelet and fibrin emboli. Hoie J. **Acta Chir Scand** 141(3):167-72, 1975

ANALOGS & DERIVATIVES

[The state of anticoagulant system of animals following injections of purified thrombin and N-acetyl-thrombin] Kudriashov BA, et al. **Fiziol Zh SSSR** 62(4):559-65, Apr 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Radioimmunoassay of fibrinopeptides in relation to intravascular coagulation and thrombosis. Nossel HL. **N Engl J Med** 295(8):428-32, 19 Aug 76

Detection of thrombin-antithrombin III complex by crossed immunoelectrophoresis. Sas G, et al. **Thromb Res** 9(1):95-7, Jul 76

ANTAGONISTS & INHIBITORS

Inhibition of human thrombin assessed with different substrates and inhibitors. Characterization of fibrinopeptide binding interaction. Gorman JJ. **Biochim Biophys Acta** 412(2):273-82, 15 Dec 75

Proceedings: Synthesis of alpha-N-tosyl-p-guanidino-L-phenylalanine methyl ester and its interaction with trypsin, thrombin and chymotrypsin. Klausner YS, et al. **Isr J Med Sci** 11(11):1169, Nov 75

Novel bis(benzamidino) compounds with an aromatic central link. Inhibitors of thrombin, pancreatic kallikrein, trypsin, and complement. Geratz JD, et al. **J Med Chem** 19(5):634-9, May 76

Proceedings: Animal experiments of a new synthetic thrombin-inhibitor, dansyl-arginine-methyl-piperidine amide. Hijikata A, et al. **Thromb Diath Haemorrh** 34(1):347-8, 30 Sep 75

Proceedings: Inhibition of collagen- or thrombin-induced shape change of rabbit platelets. Mustard JF, et al. **Thromb Diath Haemorrh** 34(1):317, 30 Sep 75

Proceedings: A series of extremely potent thrombin-inhibitors newly synthetized. Okamoto S, et al. **Thromb Diath Haemorrh** 34(1):364-5, 30 Sep 75

The effects of biguanides on thrombokinase, thrombin and trypsin. Roberts PS, et al. **Thromb Diath Haemorrh** 34(1):246-55, 30 Sep 75

In vitro and in vivo studies of a new series of synthetic thrombin-inhibitors (OM-inhibitors). Hijikata A, et al. **Thromb Res** 8(2 suppl):83-9, May 76

A new series of synthetic thrombin-inhibitors (OM-inhibitors) having extremely potent and selective action. Okamoto S, et al. **Thromb Res** 8(2 suppl):77-82, May 76

Platelet glycocalicin: a single receptor for platelet aggregation induced by thrombin or ristocetin. Okumura T, et al. **Thromb Res** 8(5):701-6, May 76

[Synthetic inhibitors of serine proteinases. 5. The inhibition of trypsin, plasmin and thrombin caused by aliphatic amidino compounds having ether structure as well as esters of the 3- and 4-amidinophenoxyfacetic acid] Walsmann P, et al. **Pharmazie** 30(6):386-9, Jun 75 **(Ger)**

[Synthetic inhibitors of serine proteinases. 12. The inhibition of trypsin, plasmin and thrombin by 3-[amidinophenyl]-1-phenyl-propanone-(1) with substituents in the aliphatic intermediate chain] Walsmann P, et al. **Pharmazie** 31(6):410-1, Jun 76 **(Ger)**

[Synthetic inhibitors of serine proteinases. 7. Inhibition of trypsin, plasmin and thrombin by amidinobenzylarylsulfides and -sulfones as well as N-(amidinobenzyl)-N-(aryl)- and N-(amidinobenzyl)-N-(arylalkyl)amines] Walsmann P, et al. **Pharmazie** 31(3):170-2, 1976 **(Ger)**

[Method of simultaneous determination of kallikrein, plasmin and thrombin precursors and inhibitors in human blood plasma] Gomazkov OA, et al. **Biull Eksp Biol Med** 81(5):632-4, May 76 (Eng. Abstr.) **(Rus)**

[Acquired disorders of thrombin formation and the behavior of natural and synthetic thrombin inhibitors] Rezaković D. **Med Arh** 29(1):27-30, Jan-Feb 75 (Eng. Abstr.) **(Ser)**

BIOSYNTHESIS

Essential role of platelets in thrombin formation. pp. 162-9. Seegers WH. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta**

Medica, 1975. W3 EX89 no.357 1974.

Proceedings: The effect of endotoxins on generation of thrombin in the platelet atmosphere. Vermylen J, et al. **Thromb Diath Haemorrh** 34(1):315, 30 Sep 75

ISOLATION & PURIFICATION

[Practical method simultaneous extraction of pure fibrinogen and thrombin from blood plasma] Andrianova IG, et al. **Lab Delo** (11):648–50, 1975 **(Rus)**

METABOLISM

Free fatty acids and albumin as mediators of thrombin-stimulated fibrinogen synthesis. Pickart LR, et al. **Am J Physiol** 230(4):996–1002, Apr 76

Mechanism of action of thrombin on fibrinogen. On the role of the A chain of bovine thrombin in specificity and in differentiating between thrombin and trypsin. Hageman TC, et al. **Arch Biochem Biophys** 171(1):327–36, Nov 75

Evidence for a single class of thrombin-binding sites of human platelets. Tollefsen DM, et al. **Biochemistry** 15(10):2144–9, 18 May 76

Solid phase bovine thrombin. Preparation and properties. Harwig SS, et al. **Biochim Biophys Acta** 438(1):231–8, 7 Jun 76

Cleavage of thrombosthenin A by thrombin. Evidence for the existence of two types of bovine platelet actin. Muszbek L, et al. **Biochim Biophys Acta** 427(1):171–7, 18 Mar 76

The binding of human and bovine thrombin to human platelets. Shuman MA, et al. **Blood** 47(1):43–54, Jan 76

Interaction of thrombin with human platelets. Ganguly P. **Br J Haematol** 29(4):617–26, Apr 75

Factor-V activation by thrombin and its role in prothrombin conversion. Giddings JC, et al. **Br J Haematol** 29(2):349–64, Feb 75

In vitro spontaneous thrombin generation in human factor-IX concentrates. Sas G, et al. **Br J Haematol** 31(1):25–35, Sep 75

Stimulus-response coupling in the thrombin-platelet interaction. Detwiler TC, et al. **Ciba Found Symp** 35:77–100, 1975

Molecular changes associated with proteolysis of bovine factor V by thrombin. Kandall CL, et al. **Eur J Biochem** 58(1):203–11, 1 Oct 75

Thrombin activity measured with a new electric method. Arwin H, et al. **FEBS Lett** 64(1):95–7, 15 Apr 76

Complete primary structure of prothrombin: isolation, structure and reactivity of ten carboxylated glutamic acid residues and regulation of prothrombin activation by thrombin. pp. 123–49. Magnusson S, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (40 ref.)

Thrombin interaction with human platelets. Evidence for both a binding and a proteolytic site on the plasma membrane. pp. 132–8. Phillips DR, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

On the activation of bovine plasma factor XIII. Amino acid sequence of the peptide released by thrombin and the terminal residues of the subunit polypeptides. Nakamura S, et al. **J Biochem (Tokyo)** 78(6):1247–66, Dec 75

Comparison of the catalytic properties of thrombin and trypsin by kinetic analysis on the basis of active enzyme concentration. Takasaki SI, et al. **J Biochem (Tokyo)** 78(6):1275–85, Dec 75

The thrombin-like enzyme from Bothrops atrox snake venom. Properties of the enzyme purified by affinity chromatography on p-aminobenzamidine-substituted agarose. Holleman WH, et al. **J Biol Chem** 251(6):1663–9, 25 Mar 76

Mechanism of the thrombin-mediated burst in oxygen consumption by human platelets. Pickett WC, et al. **J Biol Chem** 251(8):2536–8, 25 Apr 76

The perturbation of thrombin binding to human platelets by anions. Shuman MA, et al. **J Clin Invest** 56(4):945–50, Oct 75

Thrombin-sensitive surface protein of cultured chick embryo cells. Teng NN, et al. **Nature** 259(5544):578–80, 19 Feb 76

Multiple active forms of thrombin: binding to platelets and effects on platelet function. Mohammed SF, et al. **Proc Natl Acad Sci USA** 73(5):1660–3, May 76

Fibrin clot retraction by human skin fibroblasts: effects of ADP and thrombin. Niewiarowski S, et al. **Proc Soc Exp Biol Med** 151(2):253–6, Feb 76

Factor V. Colman RW. **Prog Hemostasis Thromb** 3:109–43, 1976 (142 ref.)

Control of heparin therapy. Wessler S, et al. **Prog Hemostasis Thromb** 3:311–29, 1976 (148 ref.)

Proceedings: Adverse effect of heparin on thrombin inactivation. Marciniak E. **Thromb Diath Haemorrh** 34(1):365, 30 Sep 75

Proceedings: The effect of divalent cations on the interaction between thrombin and antithrombin. Osamo NO. **Thromb Diath Haemorrh** 34(1):347, 30 Sep 75

Proceedings: Thrombinaemia and haematological changes induced in dogs by artificial kidney. Veenhof CH, et al. **Thromb Diath Haemorrh** 34(2):578, 15 Nov 75

Evidence for an ester bond between thrombin and heparin cofactor. Owen WG, et al. **Thromb Haemostas** 35(1):87–95, 29 Feb 76

Synthesis of heparin-sepharoses and their binding with thrombin and antithrombin-heparin cofactor. Danishefsky I, et al. **Thromb Res** 8(2):131–40, Feb 76

Effects of prothrombin fragments on thrombin, on thrombin formation, and separation, and separation from Ac-globulin (factor V). Seegers WH, et al. **Thromb Res** 8(1):83–97, Jan 76

[Combined test of thromboplastin-thrombin activity in factor IX concentrates] pp. 143–4.
In: Masure R, et al., ed. Fractions sanguines humaines hemostatiques et fibrinolytiques. Paris, Masson, 1974. W3 CO9995 1972f. **(Fre)**

[Activation of prothrombin, modified by maleic anhydride, some properties of N-maleyl-thrombin with free alpha-amino groups] Strukova SM, et al. **Biokhimiia** 40(4):838–43, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[An analysis of the mechanisms of depression of the blood's anticoagulating system] Kudriashov BA, et al. **Fiziol Zh SSSR** 61(9):1402–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Role of complex thrombin-heparin formation in the clearance of thrombin in the blood stream and the role of liver and lungs in the absorption of heparin-complexes (author's transl)] Kudrjashov BA, et al. **Thromb Res** 8(2):205–15, Feb 76 (Eng. Abstr.) **(Rus)**

[Kinetics of thrombinogenesis and thrombin-fibrinogen reaction inhibition by lipoid anticoagulants] Byshevskii AM, et al. **Ukr Biokhim Zh** 47(3):290–4, May-Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of total cavo-portal shunt on pulmonary fibrin deposition after intra-aortal infusion of thrombin in the dog. Busch C, et al. **Acta Chir Scand** 141(6):455–60, 1975

Induction of endogenous fibrinolysis inhibition in the dog. Effect of intravascular coagulation and release of free fatty acids. Lindquist O, et al. **Acta Chir Scand** 142(1):20–5, 1976

ADP, thrombin, and Bothrops atrox thrombinlike enzyme in platelet-dependent fibrin retraction. Niewiarowski S, et al. **Am J Physiol** 229(3):737–45, Sep 75

Proceedings: Vitalmicroscopic investigations of the effects of thrombin, a snake venom enzyme and histamin effect on the mesenteric microvasculature of rabbit and cat. Hauck G. **Arzneim Forsch** 26(6):1233, 1976

Thrombin-induced oxygen consumption, malonyldialdehyde formation and serotonin secretion in human platelets. Fukami MH, et al. **Biochim Biophys Acta** 428(1):253–6, 25 Mar 76

Vasodilator effect of thrombins prepared from normal or deficient human or canine plasmas. Iatridis PG, et al. **Blood Vessels** 13(3):181–92, 1976

Mitogenicity of thrombin and surface alterations on mouse splenocytes. Chen LB, et al. **Exp Cell Res** 101(1):41–6, Aug 76

The mitogenic activity and related effects of thrombin on chick embryo fibroblasts. pp. 957–65. Chen LB, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.

Effects of thrombin treatment of preparations of factor VIII and the Ca2+-dissociated small active fragment. Cooper HA, et al. **J Clin Invest** 56(3):751–60, Sep 75

Thrombin-induced protein phosphorylation in human platelets. Lyons RM, et al. **J Clin Invest** 56(4):924–36, Oct 75

Proceedings: The fibrinogen-thrombin reaction. Hogg DH, et al. **Thromb Diath Haemorrh** 34(1):324, 30 Sep 75

The comparative ultrastructure of fibrin induced by thrombin and by staphylocoagulase. King MJ, et al. **Thromb Diath Haemorrh** 34(1):223–35, 30 Sep 75

Proceedings: Effect of ADP and thrombin on fibrin retraction induced by human platelets and fibroblasts. Niewiarowski S, et al. **Thromb Diath Haemorrh** 34(1):316–7, 30 Sep 75

The effects of infusion of thrombin or endotoxin in rabbits treated with cortisone. Stafford BT, et al. **Thromb Diath Haemorrh** 34(1):159–68, 30 Sep 75

In vitro and in vivo functions of thrombin-treated platelets. Reimers HJ, et al. **Thromb Haemostas** 35(1):151–66, 29 Feb 76

The effects of hepes buffer on clotting tests, assay of factors V and VIII and on the hydrolysis of esters by thrombin and thrombokinase. Roberts PS, et al. **Thromb Haemostas** 35(1):202–10, 29 Feb 76

Studies on the clotting mechanism of Limulus polyphemus. Fumarola D, et al. **Thromb Res** 7(3):401–8, Sep 75

Activation of factor IX by thrombin preparations in the absence of factor XI. Irwin JF, et al. **Thromb Res** 8(2):141–9, Feb 76

Effect of ionophore A23, 187 on thrombin-degranulated washed rabbit platelets. Kinlough-Rathbone RL, et al. **Thromb Res** 7(3):435–49, Sep 75

The effects of the purified thrombin-like enzyme and anticoagulant principle of Trimeresurus gramineus venom on blood coagulation in vivo. Outany C, et al. **Toxicon** 14(3):197–201, 1976

The effects of the purified thrombin-like and anticoagulant principles of Agkistrodon acutus venom on blood coagulation in vivo. Ouyang C, et al. **Toxicon** 14(1):49–54, 1976

Inhibitory effect of dextran 40 upon thrombin-induced fibrin deposition in rat lungs. Diffang C, et al. **Ups J Med Sci** 81(1):23–7, 1976

[Stereological analysis of the degranulation and the contraction of platelets. Application to the ultrastructural study of thrombin induced excretion in vitro] Bryon PA, et al. **Pathol Biol (Paris)** 23 suppl:37–43, Dec 75 (Eng. Abstr.) **(Fre)**

[Reptilase and thrombin-coagulase times in full-term newborns and in the 1st years of life] Schettini F, et al. **Boll Soc Ital Biol Sper** 51(19):1229–33, 15 Oct 75 **(Ita)**

[The reflexogenis zones of the anticoagulant system in frogs] Iur'eva GIu, et al. **Fiziol Zh SSSR** 61(7):1038–44, Jun 75 (Eng. Abstr.) **(Rus)**

[The state of the anticoagulant system following perfusion of the isolated kidney with thrombin, N-acetyl-thrombin or trypsin] Kudrashov BA, et al. **Fiziol Zh SSSR** 61(11):1670–4, Nov 75 **(Rus)**

[The state of anticoagulant system of animals following injections of purified thrombin and N-acetyl-thrombin] Kudriashov BA, et al. **Fiziol Zh SSSR** 62(4):559–65, Apr 76 (Eng. Abstr.) **(Rus)**

[The effect of thrombin on phosphoribosylpyrophosphate-dependent enzyme systems of thrombocytes] Egorova VA, et al. **Tsitologiia** 18(2):203–7, Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Transfer of arachidonic acid to human platelet plasmalogen in response to thrombin. Rittenhouse-Simmons S, et al. **Biochem Biophys Res Commun** 70(1):295–301, 3 May 76

The role of thrombin in ADP-induced platelet aggregation and release: a critical evaluation. Macfarlane DE, et al. **Br J Haematol** 30(4):457–63, Aug 75

Decreased susceptibility to thrombin and collagen platelet aggregation in man fed a low fat diet. Iacono JM, et al. **Haemostasis** 3(5–6):306–18, 1974

Controls in the clotting of fibrinogen. pp. 79–84. Lorand L.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (31 ref.)

Endothelial injury induced by thrombin or thrombi. Lough J, et al. **Lab Invest** 33(2):130–5, Aug 75

STANDARDS

Standard for human thrombin. Robertson I, et al. **Thromb Diath Haemorrh** 34(1):3–18, 30 Sep 75

[Studies on thrombin reagents (author's transl)] Nishibe H. **Jpn J Clin Pathol** 23(11):909–11, Nov 75 **(Jpn)**

THERAPEUTIC USE

Post-extraction hemostasis during coumarin anticoagulant therapy with a locally applied coagulation-active substance. Kovács B, et al. **Int J Oral Surg** 5(1):3–7, Feb 76

Letter: Continuous thrombin irrigation for abscessed hematoma in hemophiliac with factor VIII inhibitor. Wimer BM. **Thromb Diath Haemorrh** 34(3):855–8, 15 Dec 75

[Occlusion of the renal artery by intra-arterial injection of thrombin in a case of inoperable renal tumour (author's transl)] Georgi M, et al. **Dtsch Med Wochenschr** 100(47):2428–9, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[Use of the enzyme thrombin as a hemostatic during World War II] Kudryashov BA. **Biokhimiia** 40(3):452–5, May-Jun 75 **(Rus)**

THROMBOANGIITIS OBLITERANS

[Juvenile thromboangiitis (etiopathogenic and clinicotherapeutic data concerning 105 patients)] Mandache F, et al. **Rev Chir [Chir]** 24(1):5–14, Jan-Feb 75 **(Rum)**

BLOOD

Blood zinc levels in patients with arteriosclerosis obliterans, thromboangiitis obliterans and Takayasu's disease. Atsumi T, et al. **Jpn Heart J** 16(6):664–9, Nov 75

COMPLICATIONS

A case of Buerger's disease causing ischemic colitis with perforation in a young male. Guay A, et al. **Am J Med Sci** 271(2):239–4, Mar-Apr 76

[Case of thromboangiitis obliterans complicated by nephrotic syndrome] Mel'nikov VI, et al. **Klin Med (Mosk)** 54(2):130–1, Feb 76 **(Rus)**

DIAGNOSIS

Exploration of the terminal vascular bed in the thrombous angioitis obliterant through biopsy of digital pulp, rheography or fluoresceinretinography. Allegra C, et al. **Bibl Anat** 13:214–8, 1975

Endarteritis obliterans or arteriosclerosis obliterans. Kádár A, et al. **Pathol Microbiol (Basel)** 43(2–O):167–72, 1975

[Winiwarter-Buerger's thromboangiitis obliterans] Leu HJ. **Dtsch Med Wochenschr** 101(4):113–4, 23 Jan 76 **(Ger)**

[Case of Winiwarter-Buerger thromboangiitis obliterans with a widely spread manifestations] Ciammaichella A, et al. **Boll Soc Ital Cardiol** 18(9):854–63, 1973 **(Ita)**

[Buerger's disease—4 extremities disease] Kaniak J, et al. **Pol Arch Med Wewn** 55(6):521–8, Jun 76 (Eng. Abstr.) **(Pol)**

[Visceral manifestations of Buerger's thromboangiitis] Gordon IB, et al. **Klin Med (Mosk)** 53(2):121–3, Feb 75 **(Rus)**

DRUG THERAPY

[Therapeutic acquisitions on chronic obliterating peripheral arterial diseases of the lower limbs] Guagliano G, et al. **Minerva Med** 67(25):1648–55, 19 May 76 **(Ita)**

ETIOLOGY

Yes, Virginia, there is a buerger's disease. Old L Jr, et al. **Va Med Mon** 103(2):115–7, Feb 76

METABOLISM

Lipid metabolism of the arterial wall in thromboangiitis obliterans (Buerger's disease). Horsch AK. **Virchows Arch [Pathol Anat]** 369(2):123–30, 31 Dec 75

PATHOLOGY

Early inflammatory changes in thromboangiitis obliterans. Leu HJ. **Pathol Microbiol (Basel)** 43(2–O):151–6, 1975

Pathological features of thromboangiitis obliterans and arteritis temporalis and some unusual manifestations. Olsen EG. **Pathol Microbiol (Basel)** 43(2–O):157–62, 1975

Pathology of Buerger's disease. Clinico–pathologico–angiographic correlation. Shionoya S. **Pathol Microbiol (Basel)** 43(2–O):163–6, 1975

[Thromboangiitis obliterans—a symptom or a disease? Morphologic studies on 38 cases] Leu HJ. **Med Welt** 26(37):1661–5, 12 Sep 75 **(Ger)**

SURGERY

Effects of lumbar sympathectomy on thromboangiitis obliterans. Nakata Y, et al. **J Cardiovasc Surg (Torino)** 16(4):415–25, Jul–Aug 75

[Importance of ergography for determination of the level of limb amputation in obliterating diseases of the peripheral arteries] Platonov ND, et al. **Sov Med** (10):96–100, Oct 75 (Eng. Abstr.) **(Rus)**

THERAPY

Induced hypertension as a therapy in Buerger's disease (thromboangitis obliterans). Krähenbühl B, et al. **Vasa** 4(4):407–11, 1975

[Experimental–surgical aspects of Buerger's disease and its treatment by hyperpyretic therapy. IV. Histophysiological study of the adrenal glands of the dog under conditions of experimental gangrene and hyperpyrexia] Kaufer L, et al. **Med Arh** 28(3):277–9, May–Jun 74 **(Ser)**

THROMBOCYTES see **BLOOD PLATELETS**

THROMBOCYTOPATHY see under **BLOOD PLATELET DISORDERS**

THROMBOCYTOSIS

[Abdominal distention, melena and hemorrhagic tendency following splenectomy: essential thrombocythemia] Amaki K, et al. **Jpn J Clin Med** Spec No:992–3, 1530–3, 10 Apr 75 **(Jpn)**

BLOOD

Plasma heparin neutralizing activity. Its use in the evaluation of thrombocytopenia and thrombocytosis. Dana B, et al. **Am J Clin Pathol** 65(6):964–9, Jun 76

Kinetics of the blood platelets in myeloproliferative disorders. Bhattacharya DK. **Indian J Cancer** 12(2):192–8, Jun 75

A comparison of mice in rebound–thrombocytosis with platelet–hypertransfused mice for the assay of thrombopoietin. McDonald TP, et al. **Scand J Haematol** 16(5):326–34, May 76

[Thrombocytosis as a paraneoplastic syndrome] Koeppen KM, et al. **Verh Dtsch Ges Inn Med** 81:1161–3, 1975 **(Ger)**

CHEMICALLY INDUCED

Effects of vincristine on normal and stimulated megakaryocytopoiesis in the rat. Ebbe S, et al. **Br J Haematol** 29(4):593–603, Apr 75

COMPLICATIONS

Thrombocytosis in rheumatoid arthritis. Hutchinson RM, et al. **Ann Rheum Dis** 35(2):138–42, Apr 76

Vitamin E deficiency and thrombocytosis in Caffey's disease. Keeton BR. **Arch Dis Child** 51(5):393–5, May 76

Letter: Thrombocytosis associated with the mucocutaneous lymph node syndrome. Kovacevic M, et al. **J Pediatr** 89(4):688, Oct 76

Letter: Thrombocytosis in neuroblastoma. Rao SP, et al. **J Pediatr** 89(4):682, Oct 76

Prophylactic administrations of aspirin for the prevention of thrombo–embolic complications in postoperative reactive thrombocytosis. Matsuda M, et al. **Jpn J Surg** 5(1):20–8, Mar 75

[Bilateral marked fundus changes with neovascularisation and subsequent detachment in association with thrombocythaemia (author's transl)] Boergen KP, et al. **Klin Monatsbl Augenheilkd** 168(02):190–4, Feb 76 (Eng. Abstr.) **(Ger)**

[Case of acute megakaryocytic leukemia with phasic thrombocytosis] Berman MA, et al. **Probl Gematol Pereliv Krovi** 19(1):61–2, Jan 74 **(Rus)**

[Haematological and biochemical studies in a patient with atypical essential thrombocythaemia (author's transl)] Rutllant Bañeres ML, et al. **Sangre (Barc)** 20(3):365–74, 1975 **(Spa)**

DIAGNOSIS

[A case of essential thrombocythemia diagnosed after splenectomy (author's transl)] Horikohi A, et al. **Jpn J Clin Hematol** 16(3):354–60, Mar 75 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Thrombocythemia, thrombocytosis. Hoagland HC, et al. **JAMA** 235(21):2330–1, 24 May 76

ETIOLOGY

Thrombocytosis in patients with celiac sprue. Nelson EW, et al. **Gastroenterology** 70(6):1042–4, Jun 76

Thrombocytosis. **Major Probl Intern Med** 10:46–50, 1976 (5 ref.)

Alcoholic hepatitis with leukemoid reaction and thrombocytosis. Baur HR, et al. **Minn Med** 58(9):668–70, Sep 75

The relation of iron to blood platelets. **Nutr Rev** 34(1):25–7, Jan 76 (11 ref.)

[Thrombocytosis in rheumatoid arthritis in the light of 150 cases] Hryszko S, et al. **Reumatologia** 13(4):255–61, 1975 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Analysis of platelets from patients with thrombocythemia for reverse transcriptase and virus–like particles. Brodsky I, et al. **J Natl Cancer Inst** 55(5):1069–74, Nov 75

PATHOLOGY

[Ultrastructural abnormal changes of megakaryocytes in an infant with primary thrombocythemia (author's transl)] Koide R, et al. **Jpn J Clin Hematol** 15(11):1255–64, Nov 74 (Eng. Abstr.) **(Jpn)**

THERAPY

Successful control of life–threatening thrombocytosis with a blood processor. Greenberg BR, et al. **Transfusion** 15(6):620–2, Nov–Dec 75

THROMBOELASTOGRAPHY see **THROMBELASTOGRAPHY**

THROMBOEMBOLISM

Thrombo–embolism in pregnancy. Ping WW, et al. **Med J Malaysia** 30(3):169–72, Mar 76

Southern African symposium on venous thrombo–emoblism. Proceedings of the symposium held in Pretoria on 7–8 February 1975. **S Afr Med J** 49(35):1421–133, 16 Aug 75

Thromboembolic problems in urologic surgery. Collins RE, et al. **Urol Clin North Am** 3(2):393–401, Jun 76

[Sylvian and brachial arterial embolism caused by migration of a fragment of thrombosis of the ascending aorta] Féve JR, et al. **Rev Neurol (Paris)** 131(12):887–91, Dec 75 **(Fre)**

[Pathogenesis and physiopathology of thromboembolic disease of the lower extremities in pregnancy] Rosso G, et al. **Minerva Ginecol** 27(7):508–14, Jul 75 **(Ita)**

[Postoperative thromboembolic complications] Rebeko VIa. **Khirurgiia (Mosk)** (4):98–103, Apr 76 **(Rus)**

BLOOD

Antithrombin and heparin antithrombin patterns in pre–thrombosis and thrombosis. Innerfield I, et al. **Am J Clin Pathol** 65(3):384–9, Mar 76

Fibrin subunits in venous and arterial thromboembolism. Gaffney PJ, et al. **Cardiovasc Res** 10(4):421–6, Jul 74

Platelet adhesiveness, a useful test in the evaluation and management of thromboembolic disorder. pp. 350–3. Atik M.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Further evidence that enhanced spontaneous platelet aggregation is a risk factor in the occurrence of thromboembolic complications in vascular disease. pp. 354–60. Krzywanek HJ, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Platelet functions in thromboembolic disorders. pp. 275–81. Yamazaki H.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Mechanisms of reversed flavonoid action on blood cells: significance in thromboembolism. Robbins RC. **Int J Vitam Nutr Res** 45(2):163–74, 1975

Hematologic changes and thromboembolic complications in neoplastic disease and their relationship to metastasis. Ambrus JL, et al. **J Med** 6(5–6):433–58, 1975

Proceedings: Platelet survival, fibrinolytic activity, antithrombin II (AT III) level and fibrinogen survival in venous thromboembolism (VTE). Gallus AS, et al. **Thromb Diath Haemorrh** 34(2):566, 15 Nov 75

Proceedings: Comparative effects of platelet suppressant drugs on platelet survival time. Genton E, et al. **Thromb Diath Haemorrh** 34(2):552, 15 Nov 75

Proceedings: Reduction of platelet survival: development of a thrombosis model. Meuleman DG. **Thromb Diath Haemorrh** 34(2):586–7, 15 Nov 75

Proceedings: Clinical thrombosis. A subunit study of the fibrin. Strachan CJ, et al. **Thromb Diath Haemorrh** 34(2):551–2, 15 Nov 75

Hyperaggregability of platelets in thromboembolic disorders. Yamazaki H, et al. **Thromb Diath Haemorrh** 34(1):94–105, 30 Sep 75

Inhibition of injury induced thromboatherosclerotic lesions by anti–platelet serum in rabbits. Moore S, et al. **Thromb Haemostas** 35(1):70–81, 29 Feb 76

[Function of thrombocytes during gestation and puerperium as well as their relations to thrombosis. 1. Function of blood platelets in normal pregnancy, during labor and puerperium] Brandt M, et al. **Zentralbl Gynaekol** 98(8):481–92, 1976 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Thrombosis with low–estrogen oral contraceptives. Stolley PD, et al. **Am J Epidemiol** 102(3):197–208, Sep 75

Progestational agents and blood coagulation. VII. Thromboembolic and other complications of oral contraceptive therapy in relationship to pretreatment levels of blood coagulation factors: summary report of a ten–year study. Ambrus JL, et al. **Am J Obstet Gynecol** 125(8):1057–62, 15 Aug 76

[Letter: Thromboembolism and hormonal treatment] Sele V. **Ugeskr Laeger** 138(7):442, 9 Feb 76 **(Dan)**

[Hormonal contraception—throboembolism and surgical risk] Göretzlehner G, et al. **Zentralbl Gynaekol** 98(10):600–10, 1976 (Eng. Abstr.) **(Ger)**

[Nicolau's syndrome] Moszczyński P, et al. **Wiad Lek** 28(15):1321–3, 1 Aug 75 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Enhanced platelet aggregation as a risk factor for vascular disease and its thromboembolic complications. Breddin K, et al. **Acta Clin Belg** 30(3):195–203, 1975

Thromboembolic complications, heparin treatment in increase in coagulation factors in Cushing's syndrome. Sjöberg HE, et al. **Acta Med Scand** 199(1–2):95–8, 1976

Letter: Endocardial hemorrhages of the right heart caused by embolic impact. Zak FG. **Hum Pathol** 6(5):642, Sep 75

An autopsied case of Eisenmenger syndrome complicated by recurrent thromboembolic phenomena in postpartal period. Nonaka Y, et al. **Jpn Heart J** 17(1):114–22, Jan 76

[Thrombocytopenia in thromboembolic complications] Nakov E. **Rev Clin Esp** 138(6):549–53, 30 Sep 75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Editorial: Deep vein thrombosis. Bellows JG, et al. **Compr Ther** 2(8):3–5, Aug 76

Proceedings: Serum F.D.P. measurement as a screening test for thrombo–embolic disease. Vasilescu C, et al. **Thromb Diath Haemorrh** 34(2):565, 15 Nov 75

[Platelet function and tests for their ascertainment] David JL. **Acta Clin Belg** 30(3):174–81, 1975 (Eng. Abstr.) **(Fre)**

[New methods for the early diagnosis of thromboembolic diseases] Vinazzer H. **Folia Haematol (Leipz)** 102(2):130–9, 1975 **(Ger)**

[Diagnosis, differential diagnosis and conservative therapy of acute blood circulation disorders] Heine H, et al. **Z Aerztl Fortbild (Jena)** 69(1):376–9, 1 Apr 75 **(Ger)**

[Pulmonary artery thromboembolism in surgical patients] Lisitsyn KM, et al. **Voen Med Zh** (3):15–8, Mar 76 **(Rus)**

DRUG THERAPY

Proceedings: A new approach to thrombolytic therapy. Kakkar VV, et al. **Br J Surg** 62(8):666, Aug 75

Fibrinolytic therapy. Gallus AS. **Compr Ther** 2(4):67–73, Apr 76

A heparin symposium. Wessler S. **Curr Ther Res** 18(1 Pt1):3–5, Jul 75

Streptonkinase therapy: its indications, technique and saftey in a developing country. Colin JF, et al. **East Afr Med J** 52(9):495–503, Sep 75

Adequate use of heparin: the need for a flexible protocol. de Takats G. **Ill Med J** 149(3):245–7, 250, Mar 76

Thrombolytic therapy: Current status. Fratantoni JC, et al. **N Engl J Med** 293(21):1073–8, 20 Nov 75

Control of heparin therapy. Wessler S, et al. **Prog Hemostasis Thromb** 3:311–29, 1976 (148 ref.)

Local treatment of recent arterial thromboembolic occlusions with brinase. Nyman D, et al. **Thromb Diath Haemorrh** 34(2):498–503, 15 Nov 75

Proceedings: Antithrombotic therapy 1975. Wright IS. **Thromb Diath Haemorrh** 34(1):362, 30 Sep 75

Some aspects of the dose–response relation in urokinase administration. Matsuo O, et al. **Thromb Res** 8(2 suppl):97–106, May 76

[Postoperative prevention of thrombosis through the tonicizing of the caudal venous system. A new principle of drug therapy] Fey KH, et al. **Med Klin** 70(39):1553–8, 26 Sep 75 (Eng. Abstr.) **(Ger)**

[Acetylsalicylic acid in the prevention and therapy of thromboembolic diseases. Principles of practical use] Breddin K. **Med Welt** 6(35):1499–502, 29 Aug 75 **(Ger)**

[Acetylsalicylic acid in the prevention and therapy of

thrombotic diseases. Theoretical findings and prospects] Weber E. **Med Welt** 6(35):1493–8, 29 Aug 75 **(Ger)**

[Late lysis therapy of chronic arterial occlusion. A new way to improve results (author's transl)] Müller-Fassbender H, et al. **Munch Med Wochenschr** 117(37):1461–2, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Expediency of the use of uroplasmin in clinical practice] Skipetrov VP, et al. **Vrach Delo** (1):48–50, Jan 74 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Thromboembolism and platelet survival time before and after surgery. Steele P, et al. **Adv Cardiol** 17:189–98, 1976

Arterial thromboembolic complications in patients with Starr-Edwards aortic ball valve prostheses. Dale J. **Am Heart J** 91(5):653–9, May 76

Living with prosthetic heart valves. Subsequent noncardiac operations and the risk of thromboembolism or hemorrhage. Katholi RE, et al. **Am Heart J** 92(2):162–7, Aug 76

Complications of selective coronary arteriography by the Judkins technique and their prevention. Shah A, et al. **Am Heart J** 90(3):353–9, Sep 75

Sideroblastic anemia with splenic abscess and fatal thromboemboli after splenectomy. Aleali SH, et al. **Ann Intern Med** 83(5):661–3, Nov 75

The sutureless aortic valve prosthesis: experience with and technical considerations for replacement of the early model. Scott SM, et al. **Ann Surg** 18(2):174–8, Aug 76

Proceedings: Thromboembolic complications after aortic valve replacement: comparative study. Meistrell ML, et al. **Br Heart J** 38(3):314–5, Mar 76

Thromboembolism associated with pigtail catheters. Rashid A, et al. **Cathet Cardiovasc Diagn** 1(2):183–94, 1975

Complication rate of coronary arteriography. A review of 5250 cases studied by a percutaneous femoral technique. Bourassa MG, et al. **Circulation** 53(1):106–14, Jan 76

Prediction of thromboembolism following total hip replacement. Kelsey JL, et al. **Clin Orthop** (114):247–58, Jan-Feb 76

Material and design factors in thromboembolization in total artificial heart recipients living 100–2,000 hours. Unger F, et al. **Eur Surg Res** 8(2):105–16, 1976

Leg growth following umbilical artery catheter-associated thrombus formation: a 4-year follow-up. Boros SJ, et al. **J Pediatr** 87(6 Pt 1):973–6, Dec 75

Platelets, hemostasis, and thromboembolism during treatment of acute respiratory insufficiency with extracorporeal membrane oxygenation. Heiden D, et al. **J Thorac Cardiovasc Surg** 70(4):644–55, Oct 75

Isolated mitral valve replacement with the Kay-Shiley disc. valve. Acturial analysis of the long term results. Wellons HA Jr, et al. **J Thorac Cardiovasc Surg** 70(5):862–8, Nov 75

Thromboembolic disease and cardiorespiratory syndrome of obesity. Hasan FM, et al. **NY State J Med** 76(2):272–5, Feb 76

Paradoxical embolism complicating massive pulmonary embolus. Poole-Wilson PA, et al. **Thorax** 31(3):354–5, Jun 76

Proceedings: Venous, arterial and endocardic multiple thrombosis with consumption coagulapathy and cryofibrinogen due to ovarian carcinoma: temporary improvement with heparin. Favre-Gilly J, et al. **Thromb Diath Haemorrh** 34(2):566, 15 Nov 75

Proceedings: Factor IX concentrates and thrombosis: amplification of thrombotic potential by interaction between material infused and the host. Lundblad RL, et al. **Thromb Diath Haemorrh** 34(2):588–9, 15 Nov 75

Proceedings: Thrombogenicity of human factor IX concentrates. In vitro studies. Sas O, et al. **Thromb Diath Haemorrh** 34(2):588, 15 Nov 75

Proceedings: Prothrombin-complex concentrates, thromboses, and factor VIII inhibitors: evidence for a coagulant formed by the interaction of factors X and II. Tishkoff GH. **Thromb Diath Haemorrh** 34(2):589, 15 Nov 75

Lipids as triggering factors in thrombosis. Nordoy A. **Thromb Haemostas** 35(1):32–48, 29 Feb 76 (64 ref.)

[Thromboembolic complications in the postoperative period] Angelov A. **Khirurgiia (Sofiia)** 28(3):242–9, 1975 (Eng. Abstr.) **(Bul)**

[Thromboembolic complications in rheumatism, atherosclerosis and hypertension] Angelov A. **Vutr Boles** 14(2):36–42, 1975 (Eng. Abstr.) **(Bul)**

[Fractures of the upper tibia and thromboembolic risk] Chopin J, et al. **Agressologie** 17(1):59–66, 1976 (Eng. Abstr.) **(Fre)**

[Incidence of thromboembolism and its diagnosis after bone surgery] Hellinger J, et al. **Beitr Orthop Traumatol** 22(9):494–501, Sep 75 **(Ger)**

[Post-thrombotic syndrome after orthopedic surgery] Schuh W, et al. **Beitr Orthop Traumatol** 22(9):501–5, Sep 75 **(Ger)**

[Fatal thrombo-embolism after central-vein catheterisation (author's transl)] Müller KM, et al. **Dtsch Med Wochenschr** 101(11):411–3, 12 Mar 76 (Eng. Abstr.) **(Ger)**

[About tumor cell findings in the peripheral venous blood, blood-borne metastases and the incidence of thromboembolic episodes in patients with carcinoma of various localisations (author's transl)] Gastpar H. **Laryngol Rhinol Otol (Stuttg)** 55(1):70–81, Jan 76 (Eng. Abstr.) **(Ger)**

[Renal thromboembolism in mitral valve disease. Emergency embolectomy and possible correction of the valve defect (experience in 4 cases)] D'Alessandro LC, et al. **Cardiol Prat** 25(4):365–70, Oct-Dec 74 (Eng. Abstr.) **(Ita)**

[Thromboembolic disease with spontaneous platelet aggregation] Scrobohaci ML, et al. **Rev Med Intern [Med Intern]** 27(1):65–70, Jan-Feb 75 (Eng. Abstr.) **(Rum)**

[Microclots of perfusion mixtures during open heart surgery with artificial circulation] Zhuravlev IuN, et al. **Vestn Khir** 116(2):14–7, Feb 76 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Recurrent thromboembolism in children caused by hereditary antithrombin III deficiency] Nagy I, et al. **Folia Haematol (Leipz)** 102(2):233–7, 1975 **(Ger)**

IMMUNOLOGY

Letter: Intervention of dipyridamole and acetylsalicylic acid in the development of thrombosis in cell-mediated immune reactions: possible mechanism of action. Coeugniet E. **Thromb Diath Haemorrh** 34(3):861–3, 15 Dec 75

METABOLISM

A new experimental model of physiological thrombolysis. Astrup T, et al. **Thromb Res** 7(3):493–6, Sep 75

MORTALITY

Leg thromboembolism: Surgical problems. Results of an international inquiry involving a total of 5,253 cases. Pistolese GR, et al. **J Cardiovasc Surg (Torino)** Spec No:57–60, 1973

OCCURRENCE

Oral contraceptives and thromboembolism: a reassessment. Goldzieher JW, et al. **Am J Obstet Gynecol** 123(8):878–914, 15 Dec 75

Heart valve replacement. 500 consecutive cases. Levy MJ, et al. **J Cardiovasc Surg (Torino)** Spec No:412–6, 1973

Thromboembolism in Thailand : incidence, coagulogram and its significance in therapeutic implication and prognosis. Talalak P. **J Med Assoc Thai** 59(1):6–11, Jan 76

Letter: Postoperative thrombosis in Thai women. Novak RF. **Lancet** 2(7927):234, 2 Aug 75

[Thromboembolic risks and surgery for varicose veins] Becade P, et al. **Phlebologie** 28(1):97–104, Jan-Mar 75 (Eng. Abstr.) **(Fre)**

[Epidemiologic aspects of thromboembolic disease] Stojčevski T, et al. **God Zb Med Fak Skopje** 20:281–93, 1974 (Eng. Abstr.) **(Ser)**

PATHOLOGY

Pathological studies of the animals replaced totally with the artificial heart. Part I. Concerning lungs, natural heart, and brain. Mano I, et al. **Jpn Heart J** 17(2):233–45, Mar 76

[Fibrin clots in placental vessels in intrauterine shock (author's transl)] Becker V. **Virchows Arch [Pathol Anat]** 369(3):259–67, 16 Feb 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Measurement of growth rate of laser-induced intravascular platelet aggregation and the influence of blood flow velocity. Arfors KE, et al. **Microvasc Res** 11(1):79–87, Jan 76

PREVENTION & CONTROL

Clinical and haemostatic parameters related to thromboembolism and low-dose heparin prophylaxis in major surgery. Lahnborg G, et al. **Acta Chir Scand** 141(7):590–5, 1975

The value of low dosage heparin for the prophylaxis of thromboembolism in patients with transcervical and intertrochanteric femoral fractures. Galasko CS, et al. **Acta Orthop Scand** 47(3):276–82, Jun 76

Editorial: Heparin: the need for a flexible protocol. de Takats G. **Am J Surg** 132(1):1–3, Jul 76

Hydroxychloroquine sulfate in prevention of thromboembolic phenomena in surgical patients. Pilcher DB. **Am Surg** 41(12):761–6, DEC 75

Editorial: Venous thrombosis and thromboembolism. **Anaesth Intensive Care** 4(1):5–6, Feb 76

Removal of intraaortic balloon without vascular complications. Moore EE, et al. **Ann Thorac Surg** 21(6):566–7, Jun 76

Clinical experience with an oral anticoagulant in children. Carpentieri U, et al. **Arch Dis Child** 51(6):445–8, Jun 76

The present state of prevention of postoperative thromboembolic complications. Gruber UF, et al. **Bibl Haematol** (41):98–124, 1975

A simple test for screening surgical patients likely to develop postoperative venous thrombo-embolism. Sagar S, et al. **Br J Surg** 62(8):656, Aug 75

Editorial: Low-dose heparin and the prevention of venous thromboembolic disease. **Br Med J** 3(5981):447–9, 23 Aug 75

Letter: Low-dose heparin and the prevention of venous thromboembolic disease. Harris WH. **Br Med J** 1(6004):283, 31 Jan 76

Systemic heparinization during percutaneous coronary angiography: evaluation of effectiveness in decreasing thrombotic and embolic catheter complications. Luepker RV, et al. **Cathet Cardiovasc Diagn** 1(1):35–45, 1975

Percutaneous transfemoral coronary arteriography without systemic anticoagulation—a review of 648 consecutive procedures. Rich JM, et al. **Cathet Cardiovasc Diagn** 1(3):275–81, 1975

Letter: Heparinization in coronary arteriography. Kaplan MA, et al. **Circulation** 52(3):517, Sep 75

Thromboembolic disease: prophylaxis and treatment. Evarts CM. **Crit Care Med** 4(2):62–6, Mar-Apr 76

Controlled trial of platelet anti-aggregating agents and subcutaneous heparin in prevention of postoperative deep vein thrombosis in high risk patients. Dechavanne M, et al. **Haemostasis** 4(2):94–100, 1975

Subcutaneous low dose heparin in the prevention of postoperative thromboembolic complications. Kroese A, et al. **J Oslo City Hosp** 26(4):45–7, Apr 76

The persistence of dextran 70 in blood plasma following its infusion, during surgery, for prophylaxis against thromboembolism. Walkley JW, et al. **J Pharm Pharmacol** 28(1):29–31, Jan 76

Aspirin and prophylaxis of thromboembolic complications in patients with substitute heart valves. Altman R, et al. **J Thorac Cardiovasc Surg** 72(1):127–9, Jul 76

Thrombotic phenomena with nonanticoagulated, composite-strut aortic prostheses. Stein DW, et al. **J Thorac Cardiovasc Surg** 71(5):680–4, May 76

A new model to evaluate the thrombus formation due to foreign materials in the great vessels, and the effect of dipyridamole and heparin. Sumida S. **Jpn Circ J** 40(1):13–9, Jan 76

Prophylactic administrations of aspirin for the prevention of thrombo-embolic complications in postoperative reactive thrombocytosis. Matsuda M, et al. **Jpn J Surg** 5(1):20–8, Mar 75

Effect of low-dose heparin prophylaxis on arterial oxygen tension after high laparotomy. Lahnborg G, et al. **Lancet** 1(7950):54–6, 10 Jan 76

Letter: Prevention of postoperative thromboembolism. Memhardt CR. **Lancet** 1(7951):148, 17 Jan 76

Letter: Prevention of postoperative thromboembolism. Sharnoff JG. **Lancet** 2(7930):361, 23 Aug 75

Letter: Venous thrombosis: duration of anticoagulant therapy. Acheson L, et al. **N Engl J Med** 293(17):879, 23 Oct 75

Letter: Monitoring during low-dose heparin prophylaxis. Cooke ED, et al. **N Engl J Med** 294(19):1066–7, 6 May 76

Platelet-inhibiting drugs in the prevention of clinical thrombotic disease (first of three parts). Genton E, et al. **N Engl J Med** 293(23):1174–8, 4 Dec 75 (37 ref.)

Letter: Low-dose heparin prophylaxis. Thomas DP, et al. **N Engl J Med** 295(3):171–2, 15 Jul 76

Management of thrombo-embolism after aortic valve replacement with the Björk-Shiley tilting disc valve. Medicamental prevention with dicumarol in comparison with dipyridamole – acetylsalicylic acid. Surgical treatment of prosthetic thrombosis. Björk VO, et al. **Scand J Thorac Cardiovasc Surg** 9(3):183–91, 1975

A controlled investigation of the value of anticoagulant therapy in cases of prostatectomy. Holbraad L, et al. **Scand J Urol Nephrol** 10(1):39–42, 1976

Proceedings: Tissue antithrombogenic inducing factor: experimental evidence and practical application in the construction of cardiac valves and the artificial heart. Carpentier A, et al. **Thromb Diath Haemorrh** 34(2):557–8, 15 Nov 75

Proceedings: Arterial thromboembolism and prosthetic heart valves. Effects of acetylsalicylic acid. Dale J, et al. **Thromb Diath Haemorrh** 34(2):587–8, 15 Nov 75

Proceedings: Inhibition of thrombotic side effects of II, VII, IX and X concentrates. Johnson AJ, et al. **Thromb Diath Haemorrh** 34(2):589, 15 Nov 75

First Wright-Schulte lecture. Prophylaxis and treatment of thrombosis. Present state and future aspects. Stormorken H. **Thromb Haemostas** 35(1):26–31, 29 Feb 76

[Prevention of postoperative thromboembolic disease] Kovačić M, et al. **Lijec Vjesn** 97(11):607–10, Nov 75 (Eng. Abstr.) **(Cro)**

[Gynmastics and the vitamin E in the prophylaxis and therapy of thromboembolic disease in gravidity (author's transl)] Kliment V, et al. **Cesk Gynekol** 41(3):176–8, May 76 **(Cze)**

[Heparin concentration in blood pre- and postoperatively in surgical patients with low dosage heparin prophylaxis] Kruse-Blinkenberg HO, et al. **Ugeskr Laeger** 138(12):745–7, 15 Mar 76 (Eng. Abstr.) **(Dan)**

[Professor van Cauwenberge's conclusion of the day, dedicated to platelet adhesiveness] van Cauwenberge H. **Acta Clin Belg** 30(3):235, 1975 **(Fre)**

[Incidence and severity of postoperative thromboembolic accidents. Assessment of the prophylactic use of low dosage heparin (author's trans)] Kher A, et al. **Ann Chir** 29(2):161–6, Feb 75 (Eng. Abstr.) **(Fre)**

[Prevention of thromboembolic disease by Tanderil in digestive system surgery. Apropos of 33 cases] Bailliu G. **Med Chir Dig** 4(2):137–40, 1975 **(Fre)**

[Should all prosthetic valve patients be treated by platelet inhibitors?] Lévy G, et al. **Nouv Presse Med** 5(5):251–4, 31 Jan 76 (Eng. Abstr.) **(Fre)**

[Postoperative preventive anticoagulant therapy. Apropos of

1200 cases] Lande M, et al. **Phlebologie** 28(1):107–15, Jan–Mar 75 **(Fre)**

[Prevention of hematologic complications of contraception] Biron G. **Union Med Can** 104(10):1547–8, Oct 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Anticoagulant prevention following gynecologist and obstetrical surgery at the University Gynecological Hospital Freiburg from 1953 to 1973] Dittrich A, et al. **Arch Gynaekol** 219(1–4):544, 18 Nov 75 **(Ger)**

[Postoperative thrombosis prevention using low-dose heparin] Schaer AE, et al. **Arch Gynaekol** 219(1–4):545, 18 Nov 75 **(Ger)**

[Blood coagulation in the postoperative prevention of thromboembolism using heparin] Schander K, et al. **Arch Gynaekol** 219(1–4):543–4, 18 Nov 75 **(Ger)**

[Effectiveness of thromboembolic prophylaxis in major hip surgery with low doses of heparin using the radiofibrinogen test (author's transl)] Schöndorf TH, et al. **Arch Orthop Unfallchir** 83(1):67–74, 4 Sep 75 (Eng. Abstr.) **(Ger)**

[Prevention of postoperative thrombo–embolism using a new principle of drug treatment (author's transl)] Buttermann G, et al. **Dtsch Med Wochenschr** 100(41):2065–9, 10 Oct 75 (Eng. Abstr.) **(Ger)**

[Drug prophylaxis of thromboembolism in surgical medicine] Rahmer H, et al. **Hippokrates** 47(3):274–7, Aug 76 **(Ger)**

[Gastric tolerance of different preparations of acetylsalicylic acid in postoperative prevention of thrombo–embolism (author's transl)] Knote G, et al. **Med Klin** 71(30):1235–8, 23 Jul 76 (Eng. Abstr.) **(Ger)**

[Thromboembolism. Principles, possibilities, and prospects of success of specific prophylaxis (author's transl)] Netzer CO. **Munch Med Wochenschr** 117(36):1397–404, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[The value of dextran 70 in the prevention of thromboembolism in general surgery, orthopedics, urology and gynecology. A review of the literature] Steinmann E, et al. **Schweiz Med Wochenschr** 105(49):1637–49, 6 Dec 75 (84 ref.) (Eng. Abstr.) **(Ger)**

[A method of measuring thrombocyte function in thromboembolism prevention] Maess M. **Z Med Labortech** 16(1):21–6, 1975 (Eng. Abstr.) **(Ger)**

[Prevention of thromboembolism in urology] Vecsey D. **Z Urol Nephrol** 68(10):766–8, Oct 75 **(Ger)**

[Postoperative prophylaxis of thromboembolism. Present position.(author's transl)] Flemming F, et al. **Zentralbl Chir** 101(10):577–85, 1976 (Eng. Abstr.) **(Ger)**

[Susceptibility of platelet adhesiveness following bone surgery] Hellinger J, et al. **Zentralbl Chir** (11):684–8, 1975736100 **(Ger)**

[Letter: Prevention of venous thrombosis—embolism in patients with small subcutaneous doses of heparin] Korvald E. **Tidsskr Nor Laegeforen** 96(15):900–1, 30 May 76 **(Nor)**

[Diagnosis of the hypercoagulation syndrome and prevention of thromboembolic complications] Pashchuk AIu, et al. **Ortop Travmatol Protez** (1):50–3, Jan 76 (Eng. Abstr.) **(Rus)**

[Prevention of postoperative thromboembolic complications] Kuzin MI, et al. **Sov Med** (11):32–8, Nov 75 **(Rus)**

[Prevention of postoperative thromboembolic complications] Romaniak MI, et al. **Vrach Delo** (6):92–6, Jun 74 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Experimental renal artery thromboembolism. Kelly KM, et al. **Invest Radiol** 11(2):88–97, Mar–Apr 76

[Importance of the later–by–layer method of study in the diagnosis of pulmonary artery thromboembolism] Mazaev PN, et al. **Grudn Khir** (6):27–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

SURGERY

Massive pulmonary embolism permitting paradoxical systemic arterial embolism: successful surgical management. Shaw RC, et al. **Ann Thorac Surg** 22(3):293–5, Sep 76

Surgical treatment of acute arterial obstruction. Miyauchi Y, et al. **J Cardiovasc Surg (Torino)** Spec No:53–6, 1973

Fogarty catheter embolectomy in early thrombosis of the Quinton–Scribner dialysis shunt. Fletcher HS, et al. **J Med Soc NJ** 72(10):819–21, Oct 75

Therapeutic balloon occlusion of the inferior vena cava. Hunter JA, et al. **JAMA** 234(10):1034–7, 8 Dec 75

Letter: Interruption of inferior vena cava. Dupont PA. **Lancet** 1(7951):150, 17 Jan 76

[Acute mesenterial vascular occlusion] Havia T, et al. **Zentralbl Chir** 100(12):718–22, 1975 **(Ger)**

[Emergency renal thromboembolectomy in mitral valvulopathy with eventual correction of the valvular defect. Experience in 4 successfully operated cases] D'Alessandro LC, et al. **Boll Soc Ital Cardiol** 20(2):151–6, 1975 (Eng. Abstr.) **(Ita)**

[Early thromboembolectomy in acute occlusion of the superior mesenteric artery] Babliak DE, et al. **Klin Khir** (3):75–6, Mar 76 **(Rus)**

THERAPY

[Treatment of peripheral circulation disorders with catheters] Zeitler E. **Med Welt** 26(41):1863–9, 10 Oct 75 **(Ger)**

THROMBOLYTIC AGENTS see **FIBRINOLYTIC AGENTS**

THROMBOPENIA

Orbital venography of Kasabach–Merritt syndrome. Takeuchi M, et al. **Mod Probl Ophthalmol** 14:65–73, 1975

[Chronic hypomegakaryocytic thrombocytopenia. Report on 3 cases] Patrone F, et al. **Riv Emoter Immunoematol** 22(1–2):53–64, 1975 (Eng. Abstr.) **(Ita)**

BLOOD

Plasma heparin neutralizing activity. Its use in the evaluation of thrombocytopenia and thrombocytosis. Dana B, et al. **Am J Clin Pathol** 65(6):964–9, Jun 76

The effect of thrombocytopenia on the determination of platelet aggregation. Levine PH. **Am J Clin Pathol** 65(1):79–82, Jan 76

The effect of leukocyte and platelet transfusion on the activation of intravascular coagulation by endotoxin in granulocytopenic and thrombocytopenic rabbits. Bohn E, et al. **Am J Pathol** 84(2):239–58, Aug 76

Light microscopic characteristics of megathrombocytes in platelet spreading preparations. Berkessy S. **Ann Clin Res** 7(5):341–3, Oct 75

Thrombocytopenia. Zieve PD, et al. **Major Probl Intern Med** 10:24–39, 1976 (19 ref.)

Dominant inherited familial factor VIII deficiency (Von Willebrand disease) associated with thrombocytopathic thrombocytopaenia. (Biologic and genetic implications). Sultan Y, et al. **Pathol Biol (Paris)** 22 suppl:27–36, Nov 74

Pseudothrombocytopenia due to platelet aggregation and degranulation in blood collected in EDTA. Mant MJ, et al. **Scand J Haematol** 15(3):161–70, Oct 75

[Anti–leukocyte and anti–platelet immunization and transfusions during aplastic anemias] Dausset J, et al. **Nouv Rev Fr Hematol** 16(1):132–43, Jun 76 **(Fre)**

[Thrombocytopenia in hepatitis–B–antigenemia (author's transl)] Braun HH, et al. **Med Klin** 71(23):1010–5, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Ristocetin–induced platelet aggregation in von Willebrand's disease, thrombasthenia and essential athrombia with special reference to AHF–like antigen (author's transl)] Ishiguro J, et al. **Jpn J Clin Hematol** 16(7):716–24, Jul 75 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Thrombocytopenia occurring during the administration of heparin. A prospective study in 52 patients. Bell WR, et al. **Ann Intern Med** 85(2):155–60, Aug 76

Letter: Methicillin–associated thrombocytopenia. Schiffer CA, et al. **Ann Intern Med** 85(3):338–9, Sep 76

Letter: Chronic thrombocytopenia following gold therapy. Gottlieb NL. **Arch Intern Med** 135(12):1622–3, Dec 75

Letter: Chronic thrombocytopenia following gold therpay. Herbst KD, et al. **Arch Intern Med** 135(12):1622, Dec 75

Gold toxicity and peritoneal dialysis. Combs RJ, et al. **Arthritis Rheum** 19(5):936–8, Sept–Oct 76

Myelotoxicity of gold. Kay AG. **Br Med J** 1(6020):1266–8, 22 May 76

Letter: Thrombocytopenia during treatment with clonazepam. Veall RM, et al. **Br Med J** 4(5994):462, 22 Nov 75

Letter: Myelotoxicity and orthostatic hypotension of cyclocytidine (NSC–145668). Minow RA, et al. **Cancer Treat Rep** 60(3):215–6, Mar 76

ADP–induced platelet aggregation in vivo after exclusion of different circulatory districts. Doni MG, et al. **Experientia** 31(10):1224–5, 15 Oct 75

Sequelae of dental extraction during quinine–induced thrombocytopenia. Rennie T, et al. **J Oral Surg** 34(3):272–5, Mar 76

Thrombocytopenia associated with long–term levodopa therapy. Wanamaker WM, et al. **JAMA** 235(20):2217–9, 17 May 76

Letter: Thrombocytopenia during treatment with ampicillin. Brooks AP. **Lancet** 2(7882):723, 21 Sep 74

Heparin–induced immune thrombocytopenia. Babcock RB, et al. **N Engl J Med** 295(5):237–41, 29 Jul 76

Editorial: Thrombocytopenia occurring during heparin therapy. Bell WR. **N Engl J Med** 295(5):276–7, 29 Jul 76

Reports of adverse reactions with bumetanide. Cuthbert MF. **Postgrad Med J** 51 Suppl 6:51–52, 1975

The effect of leukopenia versus thrombocytopenia on endotoxin induced intravascular coagulation. Lipinski B, et al. **Thromb Res** 8(3):403–11, Mar 76

[Letter: Significance of Toxoplasma infections for public health] Koppe JG. **Ned Tijdschr Geneeskd** 119(38):1477, 20 Sep 75 **(Dut)**

[Hepato–cellular jaundice and thrombopenia following prolonged intravenous administration of oil emulsion (Intralipid)] Krediet RT, et al. **Ned Tijdschr Geneeskd** 119(45):1766–70, 8 Nov 75 (Eng. Abstr.) **(Dut)**

[Acute pancytopenia and medullary megaloblastosis in a cirrhotic patient treated with triamterene] Renoux M, et al. **Nouv Presse Med** 5(10):641–2, 6 Mar 76 **(Fre)**

[Immuno–allergic complications of the sulfamethoxazole–trimethoprim combination: thrombopenia, acute interstitial kidney disease, and electrophoretic abnormality] Dry J, et al. **Therapie** 30(5):705–12, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Drug–induced thrombocytopenias] Miescher PA, et al. **Blut** 32(5):329–36, May 76 (26 ref.) **(Ger)**

[Drug induced cytopenias on immunological basis] Huber H, et al. **Haematol Bluttransfus** 16:245–57, 1975 **(Ger)**

[Thrombocytopenia due to methyldopa] Alkalay L. **Harefuah** 89(6):261–2, 16 Sep 75 **(Heb)**

COMPLICATIONS

Coagulation studies in Gambian trypanosomiasis. Greenwood BM, et al. **Am J Trop Med Hyg** 25(3):390–4, May 76

Multiple major cerebral artery thromboses with profound thrombocytopenia in acute leukaemia. Sims DG, et al. **Arch Dis Child** 51(1):74–77, Jan 76

Cows' milk allergy in the syndrome of thrombocytopenia with absent radius. Whitfield MF, et al. **Arch Dis Child** 51(5):337–43, May 76

Thrombocytopenia, haemolytic anaemia, and sarcoidosis. Semple P. **Br Med J** 4(5994):441–2, 22 Nov 75

Fat embolism syndrome: A comparison of hematologic coagulation and lipid changes in two animal models. Jacobs RR. **Clin Orthop** (116):240–7, May 76

Metastasis formation after intravenous tumour cell injection in thrombocytopenic rats. Ivarsson L. **Eur Surg Res** 8(1):51–60, 1976

Polycythaemia and thrombocythaemia and their influence on reconstructive arterial surgery. Martin P. **J Cardiovasc Surg (Torino)** 16(4):371–2, Jul–Aug 75

Primary Epstein–Barr virus infection and thrombocytopenia during late infancy. Andiman WA. **J Pediatr** 89(3):435–8, Sep 76

Letter: Transient thrombocytopenia in 18–trisomy. Markenson AL, et al. **J Pediatr** 87(5):834–5, Nov 75

Thrombocytopenia and renal failure. Weintraub GS, et al. **Mich Med** 74(27):551–6, Sep 75

Autoimmune thrombocytopenia and peripheral neuropathy heralding Hodgkin's disease. Hussein KK, et al. **South Med J** 68(11):1414–6, Nov 75

[Extreme thrombocytopenia in sarcoidosis (author's transl)] Kremer H, et al. **Munch Med Wochenschr** 117(37):1479–82, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Thrombopenic hemorrhages. Pathogenesis, clinical aspects, diagnosis, and therapy] Heinrich D. **Z Allgemeinmed** (26):1146–51, 20 Sep 75 **(Ger)**

[Relationship between thrombocyte dysfunction and hemorrhagic manifestations in acute leukemia] Lychev VG, et al. **Ter Arkh** 47(6):27–33, 1975 (Eng. Abstr.) **(Rus)**

[Thrombocytopenia in thromboembolic complications] Nakov E. **Rev Clin Esp** 138(6):549–53, 30 Sep 75 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital hypoplastic thrombocytopenia with aplasia of the radial bones] Alekina GK, et al. **Pediatriia** (2):76–8, Feb 74 **(Rus)**

[Amegakaryocytic thrombocytopenia with bilateral aplasia of the radii. Report of one case (author's transl)] Hernández Bello A, et al. **Sangre (Barc)** 21(1):175–80, 1976 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Proceedings: Congenital amegakaryocytic thrombopenia with radial aplasia] Corberand J, et al. **Arch Fr Pediatr** 32(6):568, Jun–Jul 75 **(Fre)**

[Letter: A pitfall in the automatic count of blood platelets. False thrombopenia caused by agglutination in the presence of EDTA] Houbouyan L, et al. **Nouv Presse Med** 4(43):3074, 13 Dec 75 **(Fre)**

[Differential diagnosis of thrombocytopenias] Lohrmann HP. **Dtsch Med Wochenschr** 100(48):2492–4, 28 Nov 75 **(Ger)**

[Diagnostic value and significance of platelet aggregation in thrombopenic disorders in childhood] Santangelo G, et al. **Minerva Pediatr** 28(6):362–71, 25 Feb 76 **(Ita)**

[Thrombocytopenia as an index of septicemia in the newborn infant] Jasso Gutiérrez L, et al. **Gac Med Mex** 111(4):317–20, Apr 76 **(Spa)**

DRUG THERAPY

Letter: Iron responsive thrombocytopenia. Scher H, et al. **Ann Intern Med** 84(5):571–2, May 76

[The treatment of women in travail suffering from thrombocytopenia] Bergamaschi P, et al. **Cesk Gynekol** 40(6):411–3, Jul 75 (Eng. Abstr.) **(Cze)**

[Cyclophosphamide in the treatment of immune hemocytopenias] Sakalová A, et al. **Folia Haematol (Leipz)** 102(5):559–64, 1975 (Eng. Abstr.) **(Ger)**

[Critical assessment of cortico–steroid therapy of acute thrombopenia (author's transl)] Mingers AM, et al. **Klin Paediatr** 187(3):252–6, May 75 (Eng. Abstr.) **(Ger)**

[Idiopathic chronic thrombocytopenia treated with immunosuppressive agents] Bzowy B, et al. **Wiad Lek** 28(18):1579–81, 15 Sep 75 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Intra–erythrocytary enzymes before and after splenectomy. Hanel HK, et al. **Clin Chim Acta** 65(2):205–11, 1 Dec 75

ETIOLOGY

Hemolytic anemia in pregnancy associated with leuko–thrombocytopenia. Lewinski U, et al. **Haematologica (Pavia)** 60(2):230–5, Jun 75

Mechanism of thrombocytopenia induced in mice by anti-platelet serum. McDonald TP, et al. **Haemostasis** 5(1):38–50, 1976

Thrombocytopenia related to the severity of alcoholism. Paintal IS, et al. **Indian J Physiol Pharmacol** 19(4):199–202, Oct–Dec 75

Bleeding manifestations in megaloblastic anaemia. Khair SR, et al. **Indian Pediatr** 12(2):171–3, Feb 75

Hematologic abnormalities in severe neonatal necrotizing enterocolitis. Hutter JJ Jr, et al. **J Pediatr** 88(6):1026–31, Jun 76

Thrombocytopenia in severe bacterial infections. Oppenheimer L, et al. **J Surg Res** 20(3):211–4, Mar 76

A role of extracorporeal circuit in the post-perfusion thrombocytopenia: a scanning electronmicroscopic observation. Hatano R, et al. **Jpn J Surg** 5(4):234–45, Dec 75

Immune reactions of platelets and their clinical significance. Mueller-Eckhardt C. **Klin Wochenschr** 53(19):889–97, 1 Oct 75

The relation of iron to blood platelets. **Nutr Rev** 34(1):25–7, Jan 76 (11 ref.)

Neonatal urinary tract infection with petechiae and thrombocytopenia. Hurley JK, et al. **Urology** 7(1):63–5, Jan 76

Severe thrombocytopenia in infectious mononucleosis. Report of two cases and review of the literature. Mazza JJ, et al. **Wis Med J** 74(11):124–7, Nov 75

[Thrombocytopenia, hypoxia and fat embolism syndrome after severe injury] Hansen OH, et al. **Ugeskr Laeger** 137(40):2305–7, 29 Sep 75 (Eng. Abstr.) **(Dan)**

[Pathology of hemostasis in the newborn infant. Experiences during 3 years at the Hospital for Sick Children in Paris] Cosson A, et al. **Nouv Rev Fr Hematol** 15(4):506–14, Jul–Aug 75 **(Fre)**

[Thrombopenia and neonatal bacterial infections] Tchernia G, et al. **Nouv Rev Fr Hematol** 15(4):484–95, Jul–Aug 75 **(Fre)**

[Frequency and pathogenis of thrombocytopenia in cardiac failure] Heck J, et al. **Dtsch Med Wochenschr** 101(38):1381–4, 17 Sep 76 (Eng. Abstr.) **(Ger)**

[Thrombocytopenia in Waldenstrom's disease with specific antithrombocytic properties of the IgM paraprotein] Flury W, et al. **Schweiz Med Wochenschr** 105(39):1241–5, 27 Sep 75 (Eng. Abstr.) **(Ger)**

[Changes in the blood picture in liver diseases] Riedler GF, et al. **Schweiz Med Wochenschr** 105(47):1593, 22 Nov 75 (Eng. Abstr.) **(Ger)**

[Perinatally acquired thombocytopenias in the newborn infant] Tönz O. **Schweiz Med Wochenschr** 105(46):1543–7, 15 Nov 75 (Eng. Abstr.) **(Ger)**

[Thrombocytomenia caused by measles] Mózer I, et al. **Orv Hetil** 116(48):2841–2, 30 Nov 75 **(Hun)**

FAMILIAL & GENETIC

Thrombocytopenia, macrothrombocytopathia, nephritis and deafness. Bernheim J, et al. **Am J Med** 61(1):145–50, Jul 76

Sex-linked hereditary thrombocytopenia with immunological defects. Cohn J, et al. **Hum Hered** 25(4):309–17, 1975

The May-Hegglin anomaly. An account of a New Zealand family. pp. 221–5. Woodfield DG.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

[Hemctological and genetic investigations of a family affected with May-Hegglin anomaly] Boreux G, et al. **Arch Genet (Zur)** 48(1):47–9, 1975 (Eng. Abstr.) **(Fre)**

[Hereditary hypogranular thrombocytopathic thrombocytopenia. Ultrastructural study of a megakaryocytopathy (author's transl)] Libánská J, et al. **Nouv Rev Fr Hematol** 15(2):165–81, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Hereditary macrocytic thrombopenia] Shabalov NP. **Pediatriia** (9):80–3, Sep 75 (42 ref.) **(Rus)**

[Familial thrombopatic thrombocytopenia (author's transl)] Larrain C. **Rev Med Chil** 103(11):725–31, Nov 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Thrombopoietin activity in mice following immune-induced thrombocytopenia. Nakeff A, et al. **Acta Haematol (Basel)** 54(6):340–44, 1975

Immunological studies in children before and after splenectomy. Andersen V, et al. **Acta Paediatr Scand** 65(4):409–15, Jul 76

Platelet antibody in autoimmuni thrombocytopenia. Dixon RH, et al. **Br J Haematol** 31(2):129–34, Oct 75 (25 ref.)

Actively induced thrombocytopenia in the marmoset. A possible autoimmune model. Barnhart DD, et al. **Clin Exp Immunol** 21(3):493–500, Sep 75

The clinical spectrum of adult immunologic thrombocytopenia. Hrnicek GJ, et al. **Nebr Med J** 60(12):497–502, Dec 75

Immunologic mechanisms in drug-induced cytopenias. Petz LD, et al. **Prog Hematol** 9:185–206, 1975 (119 ref.)

Immunofluorescence microphotometry for the detection of platelet antibodies. III. Demonstration of autoantibodies against platelets. van Boxtel CJ, et al. **Scand J Immunol** 4(7):657–72, 1975

[Autoimmune thrombocytopenia in the course of hemoblastosis] Fagiolo E. **Tumori** 61(6):525–32, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Thrombocytopenia in childhood: an evaluation of 433 patients. Cohn J. **Scand J Haematol** 16(3):226–40, Mar 76

PATHOLOGY

Platelet to leukocyte adherence phenomena associated with thrombocytopenia. Greipp PR, et al. **Blood** 47(3):513–21, Mar 76

Ultrastructural changes of endothelium associated with thrombocytopenia. Kitchens CS, et al. **Blood** 46(4):567–78, Oct 75

Letter: Ultrastructural changes of endothelium following thrombocytopenia. Roy AJ. **Blood** 47(3):525, Mar 76

Study of platelet volumes and diameters in normal subejcts and in cases of thrombocytopenia. pp. 484–91. Prost-Dvojakovic RJ, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Foamy histiocytosis of the spleen in patients with chronic thrombocytopenia. Cohn J, et al. **Scand J Haematol** 16(1):33–7, Jan 76

PHYSIOPATHOLOGY

Thrombotic thrombocytopenic purpura in a previously splenectomized patient. Zacharski LR, et al. **Am J Med** 60(7):1061–3, Jun 76

Blocking the immediate pulmonary response to shock by induced thrombocytopenia. Nelson WR, et al. **Bibl Anat** 13:283–4, 1975

Microvascular haemostatic plug formation in the rabbit mesentery. Effect of blood flow velocity, thrombocytopenia and dextran treatment. Arfors KE, et al. **Bibl Haematol** (41):84–97, 1975

Platelet antiserum inhibits hypoxic pulmonary vasoconstriction in the dog. Weir EK, et al. **J Appl Physiol** 41(2):211–5, Aug 76

The influence of selective thrombocytopenia on nephrotoxic nephritis. Lavelle KJ, et al. **J Lab Clin Med** 87(6):967–75, Jun 76

[Production and splenic storage of platelets in autoimmune thrombocytopenia (author's transl)] Gehrmann G, et al. **Dtsch Med Wochenschr** 100(52):2641–6, 26 Dec 75 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Proceedings: The effect of sulphinpyrazone on the thrombocytopenia occurring in the Arthus reaction. Butler KD, et al. **Br J Pharmacol** 55(2):256P–257P, Oct 75

THERAPY

Splenunculectomy in recurrent thrombocytopenia. Spero JA, et al. **Acta Haematol (Basel)** 55(6):354–7, 1976

Matching of histocompatibility (HL-A) antigens for platelet transfusion. Mittal KK, et al. **Blood** 47(1):31–41, Jan 76

Platelet transfusion. Murphy S. **Prog Hemostasis Thromb** 3:289–310, 1976 (75 ref.)

Statewide support of thrombocytopenic patients with ABO matched single donor platelets. Reiss RF, et al. **Transfusion** 16(4):312–20, Jul–Aug 76

[Therapy of thrombocytopenias] Lohrmann HP. **Dtsch Med Wochenschr** 100(48):2494–6, 28 Nov 75 **(Ger)**

[Transfusion of blood and blood derivatives in thrombopenia] Puxeddu A. **G Clin Med** 55(6):446–55, Jun 74 (Eng. Abstr.) **(Ita)**

VETERINARY

Detection of antiplatelet antibody in serum and on megakaryocytes of dogs with autoimmune thrombocytopenia. Joshi BC, et al. **Am J Vet Res** 37(6):681–5, Jun 76

THROMBOPHLEBITIS

Postoperative leg vein thrombosis and pulmonary embolisn after upper abdominal operations. A prospective study with 125I fibrinogentest and pulmonary scintigraphy. Johansson E, et al. **Acta Chir Scand** 141(6):522–5, 1975

Septic nonsuppurative thrombophlebitis. Zinner MJ, et al. **Arch Surg** 111(2):122–5, Feb 76

Thrombo-embolism in pregnancy. Ping WW, et al. **Med J Malaysia** 30(3):169–72, Mar 76

The anatomy of a medical negligence case involving venous thrombosis, pulmonary embolism and legal causation. Perroni SA. **Med Trial Tech Q** 22(1):8–51, Summer 75

Peripheral venous disease--thrombi and emboli. Schwartz RS. **Med Trial Tech Q** 22(1):1–7, Summer 75

Thrombophlebitis: some practical aspects. Pierach CA, et al. **Minn Med** 59(3):164–5, 163, Mar 76

Thrombophlebitis of the superior orbital vein. A distinct clinical entity. Liaricos S, et al. **Mod Probl Ophthalmol** 14:660–2, 1975

Idiopathic mesenteric vein thrombosis. Whiteley AM, et al. **Proc R Soc Med** 68(1):63–4, Jan 75

Venous thrombosis and pulmonary embolism. Williams JW. **Surg Gynecol Obstet** 141(4):626–31, Oct 75 (62 ref.)

Deep vein thrombosis after renal transplantation. Joffe SN. **Vasc Surg** 10(3):134–7, May–Jun 76

[Phlebitis and phlebothrombosis in medical practice] Certain J. **Phlebologie** 28(4):583–7, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Pathogenesis and physiopathology of thromboembolic disease of the lower extremities in pregnancy] Rosso G, et al. **Minerva Ginecol** 27(7):508–14, Jul 75 **(Ita)**

[Syndrome of the right ovarian vein] Abramchenko VV, et al. **Akush Ginekol (Mosk)** (2):64–5, Feb 76 **(Rus)**

[Experimental phlebothrombosis and thrombophlebitis] Askerkhanov RP, et al. **Eksp Khir Anesteziol** (3):23–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Rare form of thrombophlebitis] Krylov VS, et al. **Khirurgiia (Mosk)** (8):113–4, Aug 75 **(Rus)**

[Severe form of cyanotic phlegmasia (phlegmasia cerulea dolens)] Sauchenko AA, et al. **Vestn Khir** 116(3):114–5, Mar 76 **(Rus)**

[Mandor's disease. 1st case in Spain] Marrón Gasca J, et al. **Actas Dermosifiliogr** 67(7–8):571–82, Jul–Aug 76 (Eng. Abstr.) **(Spa)**

[Incidence, diagnosis, prevention and treatment of venous thrombosis] **Lakartidningen** 72(42):4037–54, 15 Oct 75 (Eng. Abstr.) **(Swe)**

BLOOD

The relationship of platelet coagulant activities to venous thrombosis following hip surgery. Walsh PN, et al. **Br J Haematol** 32(3):421–37, Mar 76

Fibrin subunits in venous and arterial thromboembolism. Gaffney PJ, et al. **Cardiovasc Res** 10(4):421–6, Jul 74

Correlation of platelet survival time with occlusion of saphenous vein aorto-coronary bypass grafts. Steele P, et al. **Circulation** 53(4):685–7, Apr 76

Platelet hyperaggregability in idiopathic recurrent deep vein thrombosis. Wu KK, et al. **Circulation** 53(4):687–91, Apr 76

Plasminogen and plasma plasmin inhibitors in arterial and venous thrombi of various ages. pp. 23–36. Gottlob R.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

The role of platelets in thrombosis. pp. 267–74. Didisheim P, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Blood changes in atherosclerosis and long after myocardial infarction and venous thrombosis. pp. 300–1. O'Brien JR, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Blood changes in atherosclerosis and long after myocardial infarction and venous thrombosis. O'Brien JR, et al. **Thromb Diath Haemorrh** 34(2):483–97, 15 Nov 75

Proceedings: Role of platelets in recurrent deep vein thrombosis. Wu KK, et al. **Thromb Diath Haemorrh** 34(1):357–8, 30 Sep 75

Serum levels of fibrin (ogen) degradation fragment E antigen in the diagnosis of deep vein thrombosis after abdominal and inguinal surgery. Butler MJ, et al. **Thromb Res** 8(2):167–71, Feb 76

[Blood platelet cyclic AMP and prostaglandin E1 before and during post-operative venous thrombosis] Lagarde M, et al. **Biomedicine [Express]** 23(9):374–7, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Disorders of platelet behavior in retinal vascular pathology] Franceschetti AT, et al. **Ophthalmologica** 172(2–3):259–63, 1976 **(Fre)**

[Methods for evaluation of regional fibrinolysis. Studies made in atherosclerotic and thrombophlebitic disease] Tesi M, et al. **Boll Soc Ital Cardiol** 18(6):524–46, 1973 (Eng. Abstr.) **(Ita)**

[Platelet aggregation in retinal vein obstruction (author's transl)] Kimura S, et al. **Acta Soc Ophthalmol Jpn** 79(11):1753–7, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Volemic disorders in patients with acute thrombosis of major veins of the lower limbs] Baikova ZZ, et al. **Sov Med** (4):103–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Association between venous thrombosis. ABO system and hemostatic parameters: negative findings (author's transl)] Robinson WM, et al. **Rev Med Chil** 103(5):317–21, May 75 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Tissue toxicity of intravenous solutions. A phlebographic and experimental study. Enger E, et al. **Acta Paediatr Scand** 65(2):248–52, Mar 76

Letter: Adverse reaction to nitrogen mustard therapy. Carpentieri U, et al. **J Pediatr** 88(6):1064, Jun 76

An outbreak of hepatic veno-occlusive disease in north-western Afghanistan. Mohabbat O, et al. **Lancet** 2(7980):269–71, 7 Aug 76

Oral contraceptives, antithrombin- III activity, and postoperative deep-vein thrombosis. Sagar S, et al. **Lancet** 1(7958):509–11, 6 Mar 76

An epidemic of veno-occlusive disease of liver in central India. Tandon BN, et al. **Lancet** 2(7980):271–2, 7 Aug 76

Proceedings: Postoperative deep vein thrombosis in patients on oral contraceptives. Sagar S, et al. **Thromb Diath Haemorrh** 34(1):358, 30 Sep 75

[Complications of water-soluble iodized contrast media. Pathogenesis of complications in relation to the severity of the manifestations. Types of reactions] Leroux GF. **J Radiol Electrol Med Nucl** 56 suppl 1:129–31, 1975 **(Fre)**

[Thromboembolism and synthetic estroprogestational hormones. Apropos of 2 cases] Boespflug O.

Phlebologie 28(3–4):373–4, Jul–Sep 75 **(Fre)**

COMPLICATIONS

Post-thrombotic leg ulcer and its surgical treatment. Antal SC, et al. **Am J Surg** 131(6):710–3, Jun 76

Iliofemoral thrombophlebitis associated with central nervous system pathology. Blabey RG, et al. **Am J Surg** 130(3):315–6, Sep 75

Visual field changes in branch retinal 'vein' occlusion. Birchall CH, et al. **Arch Ophthalmol** 94(5):747–54, May 76

Tibial compartment syndromes in burn patients. A report of four cases. Justis DL, et al. **Arch Surg** 111(9):1004–8, Sep 76

Letter: Septic nonsuppurative thrombophlebitis. Rhame FS, et al. **Arch Surg** 111(7):832, Jul 76

Letter: Thrombotic complications in acute polyneuritis. Bredin CP, et al. **Br Med J** 1(6013):837, 3 Apr 76

Recurrent thrombophlebitis and pulmonary emboli in congenital factor 5 deficiency. Reich NE, et al. **Chest** 69(1):113–4, Jan 76

Proceedings: Unusual problems of venous thrombosis. Dale WA, et al. **J Cardiovasc Surg (Torino)** 17(1):95, Jan–Feb 76

The effectiveness of vena caval ligation in preventing emboli from small thrombi of varying consistency. Moore WS, et al. **J Cardiovasc Surg (Torino)** Spec No:523–8, 1973

Thrombosis and intracranial tumors. Kayser-Gatchalian MC, et al. **J Neurol** 209(3):217–24, 2 Jul 75

Pulmonary arterial thrombo-embolism and pulmonary arterial mycotic aneurysms in cattle with vena caval thrombosis: a condition resembling the Hughes-Stovin syndrome. Breeze RG, et al. **J Pathol** 119(4):229–37, Aug 76

Hypertensive encephalopathy following lienorenal anastomosis. McLaren EH, et al. **J R Coll Surg Edinb** 20(6):387–90, Nov 75

Editorial: Iatrogenic nonsuppurative infected thrombophlebitis. Hussey HH. **JAMA** 235(5):535, 2 Feb 76

Thrombosis and intravascular coagulation. Coe NP, et al. **Surg Clin North Am** 56(4):875–90, Aug 76

Proceedings: The relationship between 125I-fibrinogen detected thrombosis and pulmonary embolism. Ruckley CV, et al. **Thromb Diath Haemorrh** 34(2):565–6, 15 Nov 75

[Clinico-pathological conference XXIV. Polycythemia, cardiomyopathy and crural deep venous thrombosis] Huttunen J. **Duodecim** 91(9):607–15, 1975 **(Fin)**

[Unusual form of glaucoma in occlusion of the central vein of the retina] Psilas K, et al. **Bull Mem Soc Fr Ophtalmol** (87):111–6, 1976 **(Fre)**

[New aspects in the surgical treatment of post-thrombotic syndrome of the leg] Gruss JD. **Chirurgie** 102(6):416–9, Jun 76 (Eng. Abstr.) **(Fre)**

[Paradoxical embolism associated with severe pulmonary emboli. Apropos of an emergency case operated on under extracorporeal circulation] Neveux JY, et al. **Chirurgie** 101(7):447–51, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Digestive hemorrhages in diffuse spleno-portal thrombosis. Emergency treatment with ligation of the esophagus on Murphy's button (apropos of 4 cases)] Huguet C, et al. **Med Chir Dig** 4(1):31–4, 1975 (Eng. Abstr.) **(Fre)**

[Neuralgia of the internal saphenous nerve. An unhabitual form of crural nerve lesions] Mozes M, et al. **Nouv Presse Med** 4(29):2099–101, 13 Sep 75 **(Fre)**

[General surgeon's approach to deep phlebitis of the leg] Lagadec B. **Phlebologie** 28(1):83–7, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Ocular manifestations in thrombophlebitis of the cavernous sinus] Dimitriu St, et al. **Rev Otoneuroophtalmol** 47(2):97–103, Mar–Apr 75 **(Fre)**

[Thrombotic complications in parenteral feeding] Signer E, et al. **Monatsschr Kinderheilkd** 124(5):363–6, May 76 **(Ger)**

[Venous thrombosis in myocardial infarct] Halawa B, et al. **Pol Tyg Lek** 31(13):533–5, 29 Mar 76 (Eng. Abstr.) **(Pol)**

[Postthrombotic states of deep veins in lower extremities (author's transl)] Bak S, et al. **Przegl Lek** 32(9):683–91, 1975 (Eng. Abstr.) **(Pol)**

[Gangrene of venous origin of the lower extremity] Juvara I, et al. **Rev Chir [Chir]** 23(9):779–86, Nov-Dec 74 (Eng. Abstr.) **(Rum)**

[Comparative evaluation of the results of correction of blood circulation in post-thrombotic venous changes in the lower limbs] Askerkhanov RP, et al. **Khirurgiia (Mosk)** (5):145–51, May 75 (Eng. Abstr.) **(Rus)**

[Tissue autoimmunoaggression and allergy in post-thrombophlebitic ulcers of the lower limbs] Borovkov SA, et al. **Khirurgiia (Mosk)** (8):60–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Post-trombophlebitic syndrome] Panchenkov RT, et al. **Khirurgiia (Mosk)** (8):55–60, Aug 75 (Eng. Abstr.) **(Rus)**

[Clinico-phlebographic parallels in post-thrombotic disease of the lower limbs] Peremyshlennikov II, et al. **Klin Khir** (7):26–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Development of venous insufficiency in the post-thrombophlebitis syndrome] Retvinskiĭ AN, et al. **Klin Khir** (12):59–61, Dec 75 **(Rus)**

[Treatment of trophic ulcers in patients with varicose veins and post-thrombophlebitic syndrome] Uspenskiĭ LV, et al. **Klin Khir** (10):39–43, Oct 75 **(Rus)**

[Oeration of cross autovenous shunting in post thrombophlebitic disease of the lower limbs] Gorbunov GM. **Vestn Khir** 115(8):57–60, Aug 75 (Eng. Abstr.) **(Rus)**

[Characteristics of disorders of body functions in post-thrombophlebitic disease] Grinshtein EIa. **Vestn Khir** 116(2):97–101, Feb 76 (Eng. Abstr.) **(Rus)**

[Remote results of surgical treatment of post-thrombophlebitic disease of the lower limbs] Klement AA, et al. **Vestn Khir** 114(9):48–52, Sep 75 (Eng. Abstr.) **(Rus)**

[Roentgeno-functional comparisons in post-thrombotic disease of the lower limbs] Peremyshlennikov II, et al. **Vestn Khir** 114(9):46–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Reconstructive operations in post-thrombophlebitis syndrome of the pelvis and the lower limbs] Shalimov AA, et al. **Vestn Khir** 116(2):93–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Lian-Siguier-Welti syndrome. Apropos of an observation] Llorens Leon R, et al. **Angiologia** 28(4):175–9, Jul–Aug 76 **(Spa)**

DIAGNOSIS

Postoperative deep vein thrombosis in the lower extremity amputee: A prospective study with Doppler ultrasound. Barnes RW, et al. **Ann Surg** 183(4):429–32, Apr 76

The diagnosis of deep venous thrombosis. Fallibility of clinical symptoms and signs. Cranley JJ, et al. **Arch Surg** 111(1):34–6, Jan 76

Plethysmography as a diagnostic technique in venous disorders. Beeman J, et al. **Bibl Anat** 13:368–9, 1975

The value of clinical signs of venous thrombosis. Talbot S. **Br J Clin Pract** 29(9):221–6, Sep 75

Masquerading venous thrombosis. Talbot S. **Br J Clin Pract** 29(5):109–13, May 75

Comparison of 125I-labelled fibrinogen uptake and venography in the detection of recent deep-vein thrombosis in the legs. McIvor J, et al. **Br J Radiol** 48(576):1013–8, Dec 75

125Iodinated fibrinogen uptake in inflammatory joint disease as a complicating factor in the detection of deep vein thrombosis. van der Pompe WB, et al. **Br J Radiol** 49(580):348–50, Apr 76

The clinical significance of venous thrombosis of the calf. Doouss TW. **Br J Surg** 63(5):377–8, May 76

Proceedings: 125I-labelled autologous fibrinogen for deep vein thrombosis detection and metabolic studies. Hawker RJ, et al. **Br J Surg** 63(2):156–7, Feb 76

Letter: Deep vein thrombosis in pregnancy. **Br Med J** 1(6001):97, 10 Jan 76

Letter: Venous thromboembolism in pregnancy. Bergqvist A, et al. **Br Med J** 1(6007):456–7, 21 Feb 76

Thermographic diagnosis of deep vein thrombosis. Bergqvist D, et al. **Br Med J** 4(5998):684–5, 20 Dec 75

Letter: Doppler ultrasound in diagnosis of deep vein thrombosis. Cooke ED. **Br Med J** 1(6017):1075, 1 May 76

Detection of deep vein thrombosis by Doppler angiography. Day TK, et al. **Br Med J** 1(6010):618–20, 13Mar 76

Letter: 125I-fibrinogen in the diagnosis of deep vein thrombosis. Forsberg K. **Br Med J** 4(5991):286, 1 Nov 75

Value of Doppler ultrasound in diagnosis of clinically suspected deep vein thrombosis. Meadway J, et al. **Br Med J** 4(5996):552–4, 6 Dec 75

Letter: Doppler angiography. Negus D, et al. **Br Med J** 1(6018):1148, 8 May 76

Fibrinogen uptake scanning for diagnosis of deep vein thrombosis: a plea for standardization. Roberts VC. **Br Med J** 3(5981):455–8, 23 Aug 75

Use of the thermography for the early diagnosis of deep vein thrombosis following hip operations. Kalamchi A, et al. **Can J Surg** 19(4):343–7, Jul 76

Intravascular angiomatosis: development and distinction from angiosarcoma. Salyer WR, et al. **Cancer** 36(3):995–1001, Sep 75

Impedance plethysmography using the occlusive cuff technique in the diagnosis of venous thrombosis. Hull R, et al. **Circulation** 53(4):696–700, Apr 76

Letter: The detection of venous thrombosis. Cooke ED, et al. **Clin Orthop** (114):377–8, Jan–Feb 76

Editorial: Deep vein thrombosis. Bellows JG, et al. **Compr Ther** 2(8):3–5, Aug 76

Diagnosis of deep vein thrombosis: recent advances. Johnston KW. **Compr Ther** 1(2):47–52, Jun, 75

Causes and diagnosis of deep vein thrombosis. van der Linden W, et al. **Compr Ther** 2(8):10–7, Aug 76

Thrombosis detection using radionuclide techniques. Webber MM, et al. **CRC Crit Rev Clin Radiol Nucl Med** 7(3):263–90, Feb 76 (105 ref.)

Deep venous thrombosis in hip-joint surgical geriatric patients diagnosed by radioiodinated fibrinogen. Hirsjärvi E, et al. **Geron** (20):58–71, 1974–75

125I-fibrinogen leg scanning. pp. 77–99. Gallus AS.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975. (72 ref.)

Clinical problems with regard to thrombosis. pp. 43–9. Nossel HL.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.

Ultrasound and plethysmography in the diagnosis of acute venous thrombosis. pp. 100–13. Strandness DE Jr.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.

Clinical applications of continuous wave and pulsed Doppler velocity detectors. pp. 147–90. Strandness DE Jr, et al.
In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.

Application of impedance rheography in the diagnosis of acute thrombophlebitis. pp. 113–23. Bernhard VM, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Thermography in Great Britain--deep vein thrombosis. pp. 107–20. Cooke ED.
In: Uematsu S, ed. Medical thermography, theory and clinical applications. Los Angeles, Brentwood Publishing, 1976. WB 141 M4893 1975.

Personal experience in the early diagnosis of deep venous thrombosis with the 125I-fibrinogen test. Diaz GP, et al. **J Cardiovasc Surg (Torino)** Spec No:560–3, 1973

Letter: Radionuclide venography. Franco JA, et al. **J Nucl Med** 16(5):438–9, May 75

Circulation clearance rate of radioiodine during fibrinogen uptake tests. Hardy JG, et al. **J Nucl Med** 17(4):282–4, Apr 76

Preparation and use of 123I-labeled highly iodinated fibrinogen for imaging deep-vein thrombi. Harwig JF, et al. **J Nucl Med** 17(5):397–400, May 76

In vivo behavior of 99mTc-fibrinogen and its potential as a thrombus-imaging agent. Harwig SS, et al. **J Nucl Med** 17(1):40–6, Jan 76

Labeling and testing of 99mTc-streptokinase for the diagnosis of deep vein thrombosis. Persson BR, et al. **J Nucl Med** 16(6):474–7, Jun 75

Fallibility of the clinical diagnosis of venous thrombosis. Barnes RW, et al. **JAMA** 234(6):605–7, 10 Nov 75

Letter: Diagnosis of venous thrombosis. Heckman BH. **JAMA** 235(17):1841, 26 Apr 76

Letter: Visualisation of thrombi with technetium-99m urokinase. **Lancet** 2(7985):572–3, 11 Sep 76

Letter: Fate of 125I-labelled fibrinogen. Hawker RJ, et al. **Lancet** 2(7944):1099–100, 29 Nov 75

Localisation of deep-venous thrombosis using technetium-99m-labelled urokinase. Millar WT, et al. **Lancet** 2(7882):695–6, 21 Sep 74

Letter: Diagnosis of deep-vein thrombosis. Obrien JR. **Lancet** 2(7932):457–8, 6 Sep 75

Visualisation of thrombi with technetium-99m urokinase. A negative report. Weir GJ Jr, et al. **Lancet** 2(7981):341–2, 14 Aug 76

Splenic vein thrombosis. Case report. Codd JE. **Mo Med** 73(1):22–4, Jan 76

Uptake of 99mTc-tripolyphosphate in thrombotic leg. Kempi V, et al. **Nucl Med (Stuttg)** 15(1):14–7, Feb 76

Isotope profile investigations for the detection of venous thrombosis in the legs with the use of 131I-MAA. Pertyński T, et al. **Nucl Med (Stuttg)** 14(3):248–52, 31 Aug 75

Deep venous thrombosis in acute spinal cord injury: a comparison of 125I fibrinogen leg scanning, impenance plethysmography and venography. Todd JW, et al. **Paraplegia** 14(1):50–7, May 76

Venous disease. Advances in objective diagnosis. Barnes RW, et al. **Postgrad Med** 59(1):90–5, Jan 76

Ruptured popliteal cyst stimulating deep vein thrombosis with false positive radiofibrinogen uptake. Gibbons D, et al. **Postgrad Med J** 51(600):735–6, Oct 75

Thermography in diagnosing deep venous thrombosis of the lower limb. Leiviskä T, et al. **Radiol Clin (Basel)** 44(5):417–23, 1975

Labelled fibrinogen in the study of deep venous thrombosis. Prentice CR. **Recent Adv Clin Nucl Med** 1:129–50, 1975 (84 ref.)

Thromboembolic disease. Lopez-Majano V. **Respiration** 33(5):381–8, 1976

Transcutaneous Doppler ultrasound in the assessment of peripheral vascular disorders. 2 - Venous. Appleberg M. **S Afr J Surg** 13(2):87–91, Jun 75

The need for objective diagnosis of deep vein thrombosis. Appleberg M. **S Afr Med J** 50(8):248–50, 21 Feb 76

The diagnosis of deep vein thrombosis in the lower limbs by means of the transcutaneous Doppler ultrasound method. Appleberg M. **S Afr Med J** 50(25):953–5, 12 Jun 76

The clinical significance of biphasic venous emptying curves from the lower limb in venous occlusion plethysmography. Zetterquist S, et al. **Scand J Clin Lab Invest** 35(6):497–506, Oct 75

Differentiation of superficial thrombophlebitis from lymphangitis by doppler ultrasound. Barnes RW, et al. **Surg Gynecol Obstet** 143(1):23–5, Jul 76

Accuracy of Doppler ultrasound in clinically suspected venous thrombosis of the calf. Barnes RW, et al. **Surg Gynecol Obstet** 143(3):425–8, Sep 76

Phleborheographic technique for diagnosing deep venous thrombosis of the lower extremities. Cranley JJ, et al. **Surg Gynecol Obstet** 141(3):331–9, Sep 75

DVT or not DVT? That is the question. O'Donnell TF, et al. **Surgery** 79(6):607–8, Jun 76

Proceedings: Silent venous thrombosis revealed by impedance and 125I-fibrinogen. Hume M. **Thromb Diath Haemorrh** 34(2):564, 15 Nov 75

Proceedings: A screening method for deep venous thrombosis. Jaffrin MY, et al. **Thromb Diath Haemorrh** 34(2):563, 15 Nov 75

Proceedings: The value of doppler ultrasound in patients with

a clinical diagnosis of deep venous thrombosis. Meadway J, et al. **Thromb Diath Haemorrh** 34(2):563–4, 15 Nov 75
[Impedance rheography in the diagnosis of deep venous thrombosis (author's transl)] Niederle P, et al. **Cas Lek Cesk** 114(39):1214–7, 26 Sep 75 (Eng. Abstr.) **(Cze)**
[The detection of post-operative venous thrombosis by ultrasonic velocimetry (author's transl)] Gautier-Benoit C, et al. **Ann Chir** 30(3):229–32, Mar 76 (Eng. Abstr.) **(Fre)**
[Use of the Doppler effect in pathology and vascular surgery of the lower extremities] Lévy JB, et al. **J Chir (Paris)** 110(5):423–38, Nov 75 (Eng. Abstr.) **(Fre)**
[Early detection of venous thromboses of the lower limb in traumatology by labelled fibrinogen] Pasteyer J, et al. **Nouv Presse Med** 4(22):1637–40, 31 May 75 (Eng. Abstr.) **(Fre)**
[Respective value of labelled fibrinogen and rheography in the detection of phlebitis] Serradimigni A, et al. **Nouv Presse Med** 4(31):2253–6, 27 Sep 75 (Eng. Abstr.) **(Fre)**
[Diagnosis of postoperative venous thrombosis by means of the radiofibrinogen test] Herzfeld U, et al. **Chirurg** 46(6):267–73, Jun 75 **(Ger)**
[Idiopathic thrombosis of the superior vena cava (author's transl)] Ochs H, et al. **Dtsch Med Wochenschr** 101(32):1193–6, 6 Aug 76 (Eng. Abstr.) **(Ger)**
[Particularities of phlegmasia coerulea dolens] Senn A. **Dtsch Med Wochenschr** 101(26):1005–6, 25 Jun 76 **(Ger)**
[The plethysmographic demonstration of venous thrombosis] Grossmann K. **Folia Haematol (Leipz)** 102(2):167–71, 1975 **(Ger)**
[Diagnosis of venous thrombosis using the ultrasound–Doppler–flow–detector] Vogel G, et al. **Folia Haematol (Leipz)** 102(2):163–6, 1975 **(Ger)**
[Symptomatology, diagnosis, and therapy of thrombophlebitic conditions in old age] pp. 82–90. Heinrich HG.
In: Doberauer W, ed. Scriptum geriatricum. München, Urban & Schwarzenberg, 1975. W3 IN973 1974s. (Ger)
[Diagnosis of venous thromboses using nuclear–medicine methods] Fridrich R, et al. **Med Welt** 26(43):1960–4, 24 Oct 75 **(Ger)**
[The Paget–v. Schroetter syndrome] Schulze–Bergmann G. **Med Welt** 26(43):1952–6, 24 Oct 75 **(Ger)**
[The thrombosis of superficial venous system] Siefer H, et al. **Med Welt** 26(43):1957–9, 24 Oct 75 **(Ger)**
[Methodic aspects in the nuclear medical thrombosis diagnosis with 125I–fibrinogen (author's transl)] Endert G, et al. **Radiol Diagn (Berl)** 16(1):105–8, 1975 (Eng. Abstr.) **(Ger)**
[Radioiodine–fibrinogen test in the early diagnosis of venous thrombosis in the leg (author's transl)] Dahlgrün H. **Roentgenblaetter** 29(4):174–7, Apr 76 (Eng. Abstr.) **(Ger)**
[The capability of the Doppler ultrasound technic in the diagnosis of deep leg vein thrombosis] Bollinger A. **Vasa** 4(1):16–21, 1975 **(Ger)**
[Deep vein thrombosis in the differential diagnosis of knee–joint capsule changes in rheumatoid arthritis] Fehér M, et al. **Z Rheumatol** 35(3–4):164–72, Mar–Apr 76 (Eng. Abstr.) **(Ger)**
[Instrumental diagnosis of deep venous obstructions of the lower limb. 1. Test of maximal respiratory flow] Polto F, et al. **Chir Patol Sper** 23(3):149–60, Jun 75 (Eng. Abstr.) **(Ita)**
[Paget–Schroetter syndrome caused by compression of the major brachial veins by a hematoma] Osipov SN. **Klin Khir** (12):66–7, Dec 75 **(Rus)**
[Thrombelastography in diagnosis of thrombophlebitis in pregnant women] Lakeev AF. **Sov Med** (4):151, Apr 75 **(Rus)**
[Phlebography, radioindication and phlebomanometry in the diagnosis of acute thrombosis of deep veins of the lower limbs and pelvis] Sukharev II, et al. **Vrach Delo** (10):13–7, Oct 75 (Eng. Abstr.) **(Rus)**
[Topical diagnosis of cerebral vein thromboses] Neimark EZ. **Zh Nevropatol Psikhiatr** 75(8):1149–53, 1975 (Eng. Abstr.) **(Rus)**
[Diagnosis of deep–vein thrombosis in the extremities by means of radioactive fibrinogen (author's transl)] Pechán J, et al. **Bratisl Lek Listy** 64(5):567–75, Nov 75 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Is streptokinase useful in the treatment of deep vein thrombosis? Bieger R, et al. **Acta Med Scand** 199(1–2):81–8, 1976
Streptokinase treatment of deep venous thrombosis of the lower extremity. Clinical, phlebographic and plethysmographic evaluation of early and late results. Johansson E, et al. **Acta Med Scand** 199(1–2):89–94, 1976
Phenformin and ethyloestrenol in recurrent venous thrombosis. Nilsson IM, et al. **Acta Med Scand** 198(1–2):107–13, Jul–Aug 75
Temporary changes in the renal function following streptokinase therapy. A case report. Spangen L, et al. **Acta Med Scand** 199(4):335–6, 1976
Comparison of heparin and streptokinase in the treatment of venous thrombosis. Porter JM, et al. **Am Surg** 41(9):511–19, Sep 75
Medical management of venous thrombosis. Wessler S. **Annu Rev Med** 27:313–9, 1976 (38 ref.)
Proceedings: The treatment of superficial thrombophlebitis: a randomized double blind study using local heparinoid cream. Mehta PP, et al. **Br J Surg** 62(8):653, Aug 75
Letter: Venous thromboembolism and anticoagulants in pregnancy. Henry M. **Br Med J** 4(5998):705–6, 20 Dec 75
Treatment of superficial thrombophlebitis: a randomized, bouble–blind trial of heparinoid cream. Mehta PP, et al. **Br Med J** 3(5984):614–6, 13 Sep 75
Heparin kinetics in venous thrombosis and pulmonary embolism. Hirsh J, et al. **Circulation** 53(4):691–5, Apr 76
Phenformin and ethylestrenol in recurrent venous thrombosis. pp. 1–12. Nilsson IM.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.
Basic mechanisms in thrombolysis: Introductory remarks. pp. 13–8. Samama M, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.
Biochemical rationale for low–dose heparin in deep venous thrombosis. pp. 173–82. Wessler S.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975. (54 ref.)
Treatment of deep–vein thrombosis with intermittent streptokinase and plasminogen infusion. Kakkar VV, et al. **Lancet** 2(7937):674–6, 11 Oct 75
A new 'wonder' drug to dissolve clots. The results of urokinase therapy in acute myocardial infarction, pulmonary embolism and deep vein thrombosis. Mazel MS, et al. **Med Trial Tech Q** 22(1):52–67, Summer 75
Letter: Venous thrombosis: duration of anticoagulant therapy. Acheson L, et al. **N Engl J Med** 293(17):879, 23 Oct 75
The choice of long–term anticoagulants for the pregnant patient. Merrill LK, et al. **Obstet Gynecol** 47(6):711–4, Jun 76
A quantitative model of venous stasis thrombosis in rats. Hladovec J. **Physiol Bohemoslov** 24(6):551–4, 1975
Medical treatment of deep vein thrombosis. Sharp A. **Proc R Soc Med** 68(4):265, Apr 75
Criteria for successful thrombolysis by streptokinase. Flute PT. **S Afr Med J** 50(6):170–2, 7 Feb 76
Some clinical problems in patients undergoing thrombolytic therapy. Roberts WM. **S Afr Med J** 50(8):243–7, 21 Feb 76
Fibrinolytic treatment of postoperative deep venous thrombosis. Giercksky KE, et al. **Surg Gynecol Obstet** 141(4):576–8, Oct 75
Proceedings: Thrombolytic therapy of deep venous thromboses with urokinase. Theiss W, et al. **Thromb Diath Haemorrh** 34(2):368–9, 15 Nov 75
A study of streptokinase in deep vein thrombosis of the lower extremities. Chavatzas D, et al. **Vasa** 4(1):68–72, 1975
[Treatment of deep venous thromboses using a plasminogen–streptokinase sequence. Preliminary study] Kakkar VV, et al. **Nouv Presse Med** 5(15):981–3, 10 Apr 76 **(Fre)**
[Aspects of defibrinogenation therapy] Klüken N. **Phlebologie** 28(1):39–41, Jan–Mar 75 (Eng. Abstr.) **(Fre)**
[Clinical and biological aspects of urokinase therapy] Potron G, et al. **Therapie** 30(5):695–704, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Fibrinolytic treatment of peripheral artery disease and phlebothrombosis (author's transl)] Trübestein G, et al. **Dtsch Med Wochenschr** 100(34):1687–94, 22 Aug 75 (Eng. Abstr.) **(Ger)**
[Streptokinase therapy of deep vein thrombosis in the leg and pelvis] Schmutzler R. **Med Welt** 27(25):1248–50, 18 Jun 76 **(Ger)**
[Angiographic following–up after recovery of the venous stream path of extremities by streptokinase therapy (author's transl)] Waigand J, et al. **Radiol Diagn (Berl)** 16(3):401–8, 1975 (Eng. Abstr.) **(Ger)**
[Thrombolytic treatment of a long–established venous vascular occlusion (author's transl)] Ernst S. **Unfallheilkunde** 79(2):75–6, FEB 76 (Eng. Abstr.) **(Ger)**
[Therapy of chronic persistent ulcus cruris with phlebostatic edema in chronic phlebostasis of the lower limbs] Bauchwitz MA. **Z Allgemeinmed** 51(25):1107–9, 10 Sep 75 **(Ger)**
[Treatment of phlebopathies of the lower limbs with a new drug with anti–inflammatory, analgesic and antipyretic activity] Bagliani A, et al. **Ann Ital Chir** 47(5):467–74, 1975 **(Ita)**
[Therapy of thrombophlebitis of the lower extremities with 2–(4–isobutylphenyl) propionic acid] Bagliani A, et al. **Minerva Cardioangiol** 23(12):852–65, Dec 75 (Eng. Abstr.) **(Ita)**
[Proteolytic enzymes in the management of some morbid forms of angiological interest] Zanelli G, et al. **Minerva Cardioangiol** 22(5):379–82, May 74 (Eng. Abstr.) **(Ita)**
[Topical treatment of thrombophlebitis with feprazone and benzydamine. Controlled clinical study] Bagliani A, et al. **Minerva Med** 67(14):880–4, 24 Mar 76 (Eng. Abstr.) **(Ita)**
[Early and late results of thrombolytic treatment of deep vein thrombosis] Meissner AJ, et al. **Pol Tyg Lek** 30(43):1787–90, 27 Oct 75 (Eng. Abstr.) **(Pol)**
[Coumarin necrosis] Kassay C, et al. **Rev Chir [Chir]** 24(6):451–4, Nov–Dec 75 **(Rum)**
[Value of treatment with hypacom in postoperative venous thromboses] Răileanu R. **Rev Med Chir Soc Med Nat Iasi** 69(3):407–10, Jul–Sep 75 (Eng. Abstr.) **(Rum)**
[Treatment of acute high thrombosis of the lower limb] Alcalds CR, et al. **Angiologia** 27(5):213–6, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Platelet hypersensitivity and intravascular coagulation in paroxysmal nocturnal hemoglobinuria. Steinberg D, et al. **Am J Med** 59(6):845–50, Dec 75
Postoperative deep vein thrombosis in otolaryngologic surgery. Joffe SN. **Arch Otolaryngol** 102(3):135–6, Mar 76
Viscosity and retinal vein thrombosis. Ring CP, et al. **Br J Ophthalmol** 60(6):397–410, Jun 76
Altered viscosity and yield stress in patients with abdominal malignancy: relationship to deep vein thrombosis. Humphreys WV, et al. **Br J Surg** 63(7):559–61, Jul 76
Proceedings: Acute illness—an important cause of venous thrombosis and pulmonary embolism. Morrell MT. **Br J Surg** 63(2):162, Feb 76
Proceedings: Femoral vein thrombosis and total hip replacement arthroplasty. Stamatakis JD, et al. **Br J Surg** 63(8):668–9, Aug 76
Letter: Thrombotic complications in acute polyneuritis. Leese J. **Br Med J** 1(6009):585, 6 Mar 76
Letter: Superficial thrombophlebitis. Sturzaker HG. **Br Med J** 4(5989):163, 18 Oct 75
Deep venous thrombosis of the legs after strokes: Part 2–Natural history. Warlow C, et al. **Br Med J** 1(6019):1181–3, 15 May 76
Deep venous thrombosis of the legs after strokes. Part 1—incidence and predisposing factors. Warlow C, et al. **Br Med J** 1(6019):1178–81, 15 May 76
Role of platelets in the pathogenesis of venous thrombosis. pp. 50–61. Walsh PN.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975. (64 ref.)
The risk of deep–vein thrombosis after operations on a bloodless lower limb. A venographic study. Kroese AJ, et al. **Injury** 7(4):271–3, May 76
Venous thrombosis of the upper limb: effort or compression. Mercier CP, et al. **J Cardiovasc Surg (Torino)** Spec No:519–22, 1973
Deep vein thrombosis in ear, nose and throat surgery. Graham JM, et al. **J Laryngol Otol** 90(5):427–32, May 76
Letter: Renal venous thrombosis–another cause of acute renal failure following cardiac surgery in infancy. Stapleton FB, et al. **J Pediatr** 88(2):365, Feb 76
Acute occlusion of the subclavian vein in an athlete: diagnosis, etiology and surgical management. Wright RS, et al. **J Sports Med** 2(6):343–8, Nov–Dec 74
Drug induced hypofibrinolysis: a cause of venous thrombosis. Gervin AS, et al. **J Surg Res** 19(4):233–8, Oct 75
Letter: Renal vein thrombosis. Ganel JA. **JAMA** 235(19):2079, 10 May 76
Letter: Infusion thrombophlebitis. Collin J, et al. **Lancet** 2(7932):458, 6 Sep 75
Letter: Haemorheology, blood–flow, and venous thrombosis. Dintenfass L. **Lancet** 2(7932):461–2, 6 Sep 75
Letter: Septic thrombophlebitis of the coronary sinus in aucte bacterial endocarditis. Dryer R, et al. **Lancet** 2(7981):369, 14 Aug 76
Central venous thrombosis following central venous catheterisation and parenteral nutrition: case report. Havill JH. **NZ Med J** 81(539):420–2, 14 May 75
Postpartum and Postabortal Ovarian Vein Thrombophlebitis. Allan TR, et al. **Obstet Gynecol** 47(5):525–8, May 76
Venous complications of renal transplantation. Butt KM, et al. **Proc Clin Dial Transplant Forum** 5:77–80, Nov 75
Tropical thrombophlebitis. The role of relapsing fever in its causation. Gear JH. **S Afr Med J** 49(49):2057–8, 15 Nov 75
Interrelationships between platelets and coagulation in the pathogenesis of venous thrombosis. Sherry S. **S Afr Med J** 50(11):425–7, 13 Mar 76
Postoperative venous thrombosis in benign prostatic disease. A study of 316 patients, using the 125I–fibrinogen uptake test. Hedlund PO. **Scand J Urol Nephrol** (27 suppl):1–100, 1975
Subcutaneous arteriovenous fistulas for dialysis with special emphasis on vascular insufficiency. Ringdén O, et al. **Scand J Urol Nephrol** 10(1):73–9, 1976
Proceedings: Prostatectomy and deep vein thrombosis in Sudanese patients. Hassan MA, et al. **West Afr J Pharmacol Drug Res** 2(1):110P, Dec 74
[Infusion thrombophlebitis in a coronary care unit] Petersen O, et al. **Ugeskr Laeger** 137(47):2755–8, 17 Nov 75 (Eng. Abstr.) **(Dan)**
[Duodenal ulcer as a cause of splenic vein thrombosis and esophageal varices] Poulsen HE, et al. **Ugeskr Laeger** 138(28):1712–3, 5 Jul 76 (Eng. Abstr.) **(Dan)**
[Thrombosis and thrombophlebitis as prodrome (first symptoms) of malignant tumor] Loeliger EA. **Ned Tijdschr Geneeskd** 119(24):969–70, 14 Jun 75 **(Dut)**
[Prospective study of complications of catheterization of the subclavian vein (apropos of 250 cases)] Michel L, et al. **Anesth Analg (Paris)** 32(5):703–12, Sep–Oct 75 **(Fre)**
[Preliminary results of a survey on thrombo–embolic disease in orthopedic surgery. Clinical, phlebographic, biologic studies and trial preventive treatment in 33 patients] Sanchez R, et al. **Anesth Analg (Paris)** 32(5):737–51, Sep–Oct 75 **(Fre)**

[Incidence of deep venous thromboses in traumatology and methods of early detection] Lobera A, et al. **Ann Anesthesiol Fr** 16(1):45–52, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Severe complications of subclavian vein catheterization] Michel L, et al. **Ann Anesthesiol Fr** 16(6):469–75, Oct 75 (Eng. Abstr.) **(Fre)**

[Compression of the bifurcation of the inferior vena cava disclosing an aneurysm of the common iliac artery] Milleret P, et al. **Chirurgie** 101(7):478–82, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Post-partum pubic osteitis and thrombophlebitis] Barrier J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):737–43, Sep 73 (Eng. Abstr.) **(Fre)**

[Unusual evolution of thrombophlebitis of the lateral sinus caused by acute mastoiditis] Greiner GF, et al. **Rev Otoneuroophtalmol** 47(3):161–5, May–Jun 75 **(Fre)**

[A differential diagnosis of forearm synovitis. Venous hemangiomas and their thromboses] Chaouat Y, et al. **Rev Rhum Mal Osteoartic** 43(4):310–3, Apr 76 **(Fre)**

[Neuromuscular and phlebothrombotic clinical aspects of primary magnesium deficiency] Durlach J. **Z Ernaehrungswiss** 14(2):75–83, Jun 75 (Eng. Abstr.) **(Fre)**

[Q-Fever and its complications (author's transl)] Wolf H, et al. **Dtsch Med Wochenschr** 101(5):173–5, 30 Jan 76 (Eng. Abstr.) **(Ger)**

[Thrombogenesis in veins] Beneke G. **Med Welt** 27(25):1222–4, 18 Jun 76 **(Ger)**

[Pathogenesis and morphology of venous thrombosis] Leu HJ. **Med Welt** 26(43):1949–51, 24 Oct 75 **(Ger)**

[Thrombophlebitis of the sinus cavernosus] Urmösi J. **Stomatol DDR** 25(11):776–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Vascular wall connected effects on the etiology and course of venous thrombosis] Leu HJ. **Vasa** 4(1):5–15, 1975 **(Ger)**

[Venous thrombosis and systemic lupus erythematosus in childhood] Kardos M, et al. **Orv Hetil** 116(35):2071–4, 31 Aug 75 **(Hun)**

[Precocious thrombotic obstruction of the aortocoronary bypass using the saphenous vein (anatomo-pathological study)] Thiene G, et al. **Arch Chir Torac Cardiovasc** 32(3–4):215–26, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Experimental venous thrombosis induced in dogs by electric stimulation of venous wall (author's transl)] Gafa M, et al. **Ateneo Parmense [Acta Biomed]** 46(6):495–519, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Experimental observations on posttraumatic venous thrombosis] Pouche' A, et al. **Ateneo Parmense [Acta Biomed]** 46(4):223–45, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Migrating thrombophlebitis] Bollinger A, et al. **Minerva Cardioangiol** 23(12):954–9, Dec 75 (Eng. Abstr.) **(Ita)**

[Thrombophlebitis following intravenous injection—an experimental study] Fukawa K, et al. **Folia Pharmacol Jpn** 71(4):307–15, May 75 (Eng. Abstr.) **(Jpn)**

[Hoigné syndrome] Laskowski S, et al. **Wiad Lek** 29(13):1161–4, 1 Jul 76 (Eng. Abstr.) **(Pol)**

[Sinusopathic orbital thrombophlebitis] Glävan II, et al. **Rev Chir [Oftalmol]** 20(2):133–5, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Thromboses of the superior vena cava system following its catheterization in children] Erivantsev NA, et al. **Eksp Khir Anesteziol** (2):81–2, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Posttraumatic venous thromboses of the lower extremities] Kapatsinskiĭ EV. **Klin Khir** (12):37–9, Dec 75 **(Rus)**

[Pylephlebitis as a complication of purulent appendicitis] Šapelkin OS. **Klin Khir** (3):74, Mar 76 **(Rus)**

[Acute thrombophlebitis and phlebothrombosis of the portal vein in the postoperative period] Podonenko-Bogdanova AP. **Vestn Khir** 115(7):127–30, Jul 75 (Eng. Abstr.) **(Rus)**

[Phlebitis and pheebothrombosis in hemorrhagic vasculitis in children] Alekseenko IF, et al. **Zdravookhr Kirg** (2):43–6, Mar–Apr 76 **(Rus)**

[Round table. Posttraumatic thrombophlebitis] **Angiologia** 28(4):155–67, Jul–Aug 76 **(Spa)**

METABOLISM

Fibrinogen uptake by thrombi: effect of thrombus age. Coleman RE, et al. **J Nucl Med** 16(5):370–3, May 75

Proceedings: Heparin kinetics in venous thrombosis and pulmonary embolism. Hirsh J, et al. **Thromb Diath Haemorrh** 34(2):598, 15 Nov 75

OCCURRENCE

Hemorrhoids, varicose veins and deep vein thrombosis: epidemiologic features and suggested causative factors. Burkitt DP. **Can J Surg** 18(5):483–8, Sep 75

Risk factors and the epidemiology of venous thrombosis. pp. 18–27. Hume M. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

Editorial: Hard put for a silver lining. Vaisrub S. **JAMA** 233(10):1090, 8 Sep 75

Proceedings: Venous thrombo-embolism in childhood. Macintyre IM, et al. **Thromb Diath Haemorrh** 34(2):563, 15 Nov 75

[Incidence of venous thrombosis in acute myocardial infarct diagnosed using 125 I-fibrinogen] Niederle P, et al. **Cas Lek Cesk** 115(10):287–91, Mar 76 (Eng. Abstr.) **(Cze)**

[Incidence of postoperative deep vein thrombosis in general surgical and urological patients an investigation by means of the 125I-Fibrinogen test in 95 patients withoug prophylaxis (author's transl)] Schaub N, et al. **Langenbecks Arch Chir** 340(1):23–34, 24 Oct 75 **(Ger)**

PATHOLOGY

The natural history of venous thrombo-embolic disease in Africans. Colin JF, et al. **East Afr Med J** 52(9):502–8, Sep 75

The pathology of pulmonary embolism and venous thrombosis. pp. 11–7. Freiman DG. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

A model for lliofemoral thrombophlebitis. Turnipseed WD, et al. **J Surg Res** 19(6):397–401, Dec 75

Letter: Renal vein thrombosis and nephrotic syndrome. Duffy JL, et al. **JAMA** 235(19):2079, 10 May 76

A case of primary cerebral venous thrombosis. Brookfield DS. **Postgrad Med J** 50(590):765–6, Dec 74

Pathology and pathogenesis of deep vein thrombi. Sevitt S. **Proc R Soc Med** 68(4):261, Apr 75

[Organization of experimental thrombi in arteries and veins. A comparative study (author's transl)] Frenzel H, et al. **Basic Res Cardiol** 70(5):480–94, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Pathophysiological aspects of the venous system of the leg as a consequence of anatomical and physiological peculairities (author's transl)] Jaques R. **Praxis** 64(40):1282–8, 7 Oct 75 **(Ger)**

[Histological studies on the lower leg veins in postthrombotic syndrome. I. Structure changes of the venous wall] Keller G, et al. **Z Hautkr** 50(23):955–62, 1 Dec 75 **(Ger)**

[Experimental phlebothrombosis and thrombophlebitis] Askerkhanov RP, et al. **Eksp Khir Anesteziol** (3):23–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Post-thrombophlebitic syndrome of diverse etiology and pathomorphological characteristics of deep main veins of the lower limbs] Cherviak PI, et al. **Vrach Delo** (7):96–9, Jul 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Fibrinolytic response to venous occlusion and vasopressin in health and thrombotic disease. pp. 121–9. Aberg M, et al. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

Early mechanisms for restoration of venous patency after thrombotic occlusion. pp. 275–85. Silver D. **In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

Circulation studies in experimental phlegmasia cerulea dolens. Weber TR, et al. **J Surg Res** 20(6):575–8, Jun 76

Blood flow and prophylaxis of deep vein thrombosis. Roberts VC, et al. **Proc R Soc Med** 68(4):262, Apr 75

[Mechanisms of arterial and venous thrombosis] Kraytman M. **Acta Clin Belg** 30(3):167–73, 1975 (Eng. Abstr.) **(Fre)**

[Effect of acute thrombosis of major veins on the basic hemodynamic parameters] Kostenko IG, et al. **Sov Med** (4):50–4, Apr 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Small heparin doses as prophylaxis against deep-vein thrombosis in major surgery. Strand L, et al. **Acta Chir Scand** 141(7):624–7, 1975

Oral anticoagulants, dextran or low-dose subcutaneous heparin: which is it to be in the prophylaxis of deep vein thrombosis of operated patients? Verstraete M. **Acta Clin Belg** 31(2):106–10, 1976

Prevention of deep-vein thrombosis. Simpson JM. **Am Heart J** 91(3):400–1, Mar 76

Editorial: Venous thrombosis and thromboembolism. **Anaesth Intensive Care** 4(1):5–6, Feb 76

The effect of different modes of artificial ventilation and of some prophylactic means on the incidence of postoperative deep vein thrombosis. Takkunen O. **Ann Chir Gynaecol Fenn** 64 Suppl 191:3–43, 1975

Prevention of lower extremity venous thrombosis by early mobilization. Confirmation in patients with acute myocardial infarction by 125I-fibrinogen uptake and venography. Miller RR, et al. **Ann Intern Med** 84(6):700–3, Jun 76

Low-dose heparin in postoperative patients: a prospective, coded study. Covey TH, et al. **Arch Surg** 110(8):1021–6, Aug 75

Drug prevention of postoperative deep vein thrombosis. A compararative study of calcium heparinate and sodium pentosan polysulfate. Joffe S. **Arch Surg** 111(1):37–40, Jan 76

Comparison of PVC and glass containers in the prevention of contamination and thrombophlebitis in intravenous therapy. Collin J, et al. **Br J Clin Pract** 30(1):17–8 passim, Jan 76

Proceedings: The effect of graduated static compression on isotopically diagnosed deep vein thrombosis of the leg. Holford CP. **Br J Surg** 63(2):157, Feb 76

Proceedings: Reduction of the incidence of deep vein thrombosis (DVT) in the legs by intermittent compression of the arms. Knight MT, et al. **Br J Surg** 63(8):668, Aug 76

The effect of subcutaneous heparin and operation on antithrombin-III. Nicolaides AN, et al. **Br J Surg** 62(8):656, Aug 75

Grafting of the major veins: the value of anti-thrombotic drugs to maintain patency. Thomas JM, et al. **Br J Surg** 63(3):189–95, Mar 76

Editorial: Venous thromboembolism and anticoagulants in pregnancy. **Br Med J** 4(5994):421–2, 22 Nov 75

Letter: Low-dose heparin and the prevention of venous thromboembolic disease. Corrigan TP. **Br Med J** 4(5992):345, 8 Nov 75

Letter: Low-dose heparin and prevention of venous thromboembolic disease. Hughes LE, et al. **Br Med J** 4(5991):287–8, 1 Nov 75

Prevention of postoperative deep vein thrombosis with dipyridamole and aspirin. Renney JT, et al. **Br Med J** 1(6016):992–4, 24 Apr 76

Prevention of postoperative deep vein thrombosis by leg bandaging and oxyphenbutazone. Tillberg B. **Br Med J** 1(6020):1256–7, 22 May 76

Low-dosage heparin in prophylaxis of deep vein thrombosis. **Cent Afr J Med** 21(7):163, Jul 75

Letter: Pneumatic leggings and DVT. Knight MT, et al. **Circulation** 52(5):966, Nov 75

Overviews of research and clinical experience. Salzman EW. **Compr Ther** 2(4):5, Apr 76

Efficacy of low-dose heparin prophylaxis. Kakkar VV. **Curr Ther Res** 18(1 Pt1):6–20, Jul 75

Methods for obtaining more clinical data. pp. 248–9. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

Recommendations for practice. pp. 250–1. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

Physical methods of prophylaxis against deep vein thrombosis. pp. 158–72. Collins RE. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.** (43 ref.)

Low-dose heparin prophylaxis for venous thromboembolism. pp. 183–206. Hirsh J, et al. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.** (32 ref.)

Prevention of venous thromboembolism with drugs that alter platelet function. pp. 149–57. Salzman EW. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.** (36 ref.)

Prevention of venous thromboembolism by oral anticoagulant therapy. pp. 143–8. Sevitt S. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

Venous thromboembolism: scope of the problem. pp. 1–10. Wessler S. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

The incidence of deep venous thrombosis after total hip replacement using dextran 70 prophylaxis-a venographic study. McManus F. **Ir J Med Sci** 145(6):201–6, Jun 76

Prevention of venous thrombosis with small, subcutaneous doses of heparin. Gallus AS, et al. **JAMA** 235(18):1980–2, 3 May 76

Preoperative or postoperative deep-vein thrombosis? Heatley RV, et al. **Lancet** 1(7957):437–9, 28 Feb 76

Letter: Subcutaneous heparin. Kakkar VV. **Lancet** 2(7883):784–5, 28 Sep 74

Efficacy of low-dose heparin in prevention of extensive deep-vein thrombosis in patients undergoing total-hip replacement. Sagar S, et al. **Lancet** 1(7970):1151–4, 29 May 76

Prophylaxis of venous thromboembolism. Kakkar VV. **Proc R Soc Med** 68(4):263–4, Apr 75

Pharmacological prophylaxis of venous thrombo-embolism. Flute PT. **S Afr Med J** 50(6):165–9, 7 Feb 76

Noninvasive prevention of thrombosis of deep veins of the thigh using intermittent pneumatic compression. Lee BY, et al. **Surg Gynecol Obstet** 142(5):705–14, May 76

Proceedings: Efficacy and monitoring of heparin therapy in experimental venous thrombosis. Chiu HM, et al. **Thromb Diath Haemorrh** 34(2):597, 15 Nov 75

Proceedings: Postoperative deep vein thrombosis. Gordon-Smith IC. **Thromb Diath Haemorrh** 34(2):596–7, 15 Nov 75

Proceedings: Repeated phlebographies for follow-up of deep vein thrombi. Gruber UF, et al. **Thromb Diath Haemorrh** 34(2):596, 15 Nov 75

Proceedings: Failure of aspirin and dipyridamole to influence the incidence of leg scan detected venous thrombosis after elective hip surgery. McBride JA, et al. **Thromb Diath Haemorrh** 34(2):564, 15 Nov 75

Proceedings: The phlebo-dynastat: a new and effective method of prophylaxis for deep vein thrombosis. McKenna R, et al. **Thromb Diath Haemorrh** 34(2):596, 15 Nov 75

Mini-dose heparin. Wessler S. **Thromb Diath Haemorrh** 34(3):718–26, 15 Dec 75

[Late consequences of the extremity-thromboses post partum and their prevention (author's transl)] Novotný A, et al. **Cesk Gynekol** 41(3):178–80, May 76 **(Cze)**

[Effect of elastic compression on the rate of flow in the deep veins of the leg] Arnoldi CC. **Ugeskr Laeger** 138(5):275–8, 26 Jan 76 (Eng. Abstr.) **(Dan)**

[Prophylaxis of postoperative venous thrombosis by subcutaneous heparin administered in small doses. Recent findings] Toulemonde F, et al. **Anesth Analg (Paris)** 32(3):387–97, May–Jun 75 **(Fre)**

[Evaluation of a year of routine heparin therapy in surgery] Wilkening M, et al. **Anesth Analg (Paris)** 32(5):753–61, Sep–Oct 75 **(Fre)**

[Anticoagulants and the prevention of deep venous thrombosis of the leg] Bousser MG. **Phlebologie** 28(1):29–34, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Prevention and treatment of early thrombosis in injuries] Brunner U. **Phlebologie** 28(1):95–6, Jan–Mar 75 **(Fre)**

[Psychiatrist's attitude towards deep phlebitides of the leg] Lauras A. **Phlebologie** 28(1):143–6, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Aspirin as treatment for platelet aggregation] Tournay R. **Phlebologie** 28(1):35–6, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Prevention of venous thrombosis in surgery. Very brief advice] Tournay R. **Phlebologie** 28(1):105–6, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[A comparison of low dose heparin and oral anticoagulants in the prevention of thrombo-phlebitis following gynaecological operations (author's transl)] Baertschi U, et al. **Geburtsh Ilfe Frauenheilkd** 35(10):754–60, Oct 75 (Eng. Abstr.) **(Ger)**

[Intra- and postoperative prevention of thrombosis] pp. 17–35. Gruber UF, et al.
In: Ahnefeld FW, et al., ed. Indikation, Wirkung und Nebenwirkung kolloidaler Volumenersatzmeittel. Berlin, Springer, 1975. W1 KL434 Bd.9 1975. **(Ger)**

[Influence of 2 dextran preparations on the postoperative incidence of thrombosis after total hip replacement] Schottky H, et al. **Med Welt** 26(26):1282–4, 4 Jul 75 **(Ger)**

[Small subcutaneous doses of heparin in the prevention of venous thrombosis and pulmonary embolism in surgical patients] Bakkevold K. **Tidsskr Nor Laegeforen** 96(11):634–5, 629, 20 Apr 76 (Eng. Abstr.) **(Nor)**

[Letter: Prevention of venous thrombosis--embolism in patients with small subcutaneous doses of heparin] Korvald E. **Tidsskr Nor Laegeforen** 96(15):900–1, 30 May 76 **(Nor)**

[Combination of heparin and dipyridamol (persantin) in the treatment of various coagulation disorders in infants] Prişcu R, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 23(4):339–45, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Prevention of postoperative thrombophlebitis in patients with acute appendicitis] Romaniak MI, et al. **Klin Khir** (8):41–4, Aug 75 **(Rus)**

RADIOGRAPHY

The specificity of renal vein thrombosis. Mulhern CB, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):291–9, Oct 75

Thrombosis of the axillary-subclavian vein. A report of two cases. Malaret GE. **Bol Asoc Med PR** 68(7):157–9, Jul 76

Phlebography for the diagnosis of deep leg vein thrombosis. pp. 62–76. Athanasoulis CA.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.

Radiological study of the aetiological factors in venous obstruction of the upper limb. Stevenson IM, et al. **J Cardiovasc Surg (Torino)** 16(6):580–5, Nov–Dec 75

Soleus rupture: a differential diagnosis of calf thrombosis. Trenwith BJ?, et al. **NZ Med J** 82(543):18–20, 9 Jul 75

Stanley Melville Memorial Lecture 1974. Venography: the role of radiography in the diagnosis and management of deep vein thrombosis. Wilson J. **Radiography** 42(494):39–46, Feb 76

Calcified external iliac vein thrombosis. Banker VP. **Radiology** 117(2):311–4, Nov 75

Serial long-term phlebography after documented lower leg thrombosis. Lipchik EO, et al. **Radiology** 120(3):563–6, Sep 76

Ilio-femoral venous thrombosis in healthy adults. Ramanathan T, et al. **Singapore Med J** 16(4):307–11, Dec 75

'Cobblestone' renal pelvis: radiographic finding in acute renal vein thrombosis. Madayag MA, et al. **Urology** 6(4):514–6, Oct 75

[The importance of phleboscopy in diagnostics of diseases of veins of lower limbs (author's transl)] Cholt M, et al. **Cesk Radiol** 30(2):73–9, Mar 76 (Eng. Abstr.) **(Cze)**

[Difficulties in the angiographic diagnosis of portal vein obstruction (author's transl)] Faguer P, et al. **Arch Fr Mal App Dig** 64(1):31–46, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Letter: New method of opacification of the inferior vena cava] Mathieu P, et al. **Nouv Presse Med** 5(21):1361, 22 May 76 **(Fre)**

[The course of postoperative deep vein thrombi as judged by repeated phlebographies] Hongler T, et al. **Klin Wochenschr** 54(11):521–6, 1 Jun 76 (Eng. Abstr.) **(Ger)**

[Clinical and radiographic diagnosis in acute deep leg and pelvic vein thrombosis] Schmitt HE. **Med Welt** 27(25):1228–32, 18 Jun 76 **(Ger)**

[Radiography of renal vein thrombosis] Tada S. **Jpn J Clin Radiol** 20(7):607–8, Jul 75 **(Jpn)**

SURGERY

Current opinion on iliofemoral venous thrombectomy. Stephens GL. **Am Surg** 42(2):108–15, Feb 76

Glucocorticoid and antibiotic effect on experimental gram-negative bacteremic shock. Pitcairn M, et al. **Arch Surg** 110(8):1012–5, Aug 75

Inferior vena cava interruption: a new indication? Pollack EW, et al. **Arch Surg** 110(8):1008–11, Aug 75

Therapy for deep venous thrombosis and pulmonary embolism: surgical approach to established disease. pp. 137–42. Sautter RD.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.

Long-term follow-up results of the iliofemoral venous thrombosis. Matsubara J, et al. **J Cardiovasc Surg (Torino)** 17(3):234–9, May–Jun 76

Phlebothrombosis and its sequelae. Pathophysiology and surgical treatment. Sakaguchi S, et al. **J Cardiovasc Surg (Torino)** Spec No:576–81, 1973

Photocoagulation in retinal vein thrombosis. Oosterhuis JA, et al. **Ophthalmologica** 171(4–5):365–79, 1975

The arteriovenous fistula: its effect on deep vein patency in thrombo-occlusive disease. Turnipseed WD, et al. **Rev Surg** 33(2):136–9, Mar–Apr 76

Unusual problems of venous thrombosis. Dale WA, et al. **Surgery** 78(6):707–22, Dec 75

Spontaneous rupture of an iliac vein. Herrin BJ, et al. **Vasc Surg** 9(3):182–4, May–Jun 75

The experimental use of distal arteriovenous fistulae in canine iliofemoral thrombophlebitis. Turnipseed WD, et al. **Vasc Surg** 10(2):92–8, Mar–Apr 76

[Traumatic thrombosis of the upper mesenteric vein (successful treatment by thrombectomy and intestinal resection)] Batinica J. **Lijec Vjesn** 97(8):466–8, Aug 75 (Eng. Abstr.) **(Cro)**

[Biliary surgery in portal thrombosis. Interest of intra-arterial vasopressin during operation (author's transl)] Mahoux P, et al. **Ann Chir** 30(2):103–6, Feb 76 (Eng. Abstr.) **(Fre)**

[Recent iliac-femoral venous thrombosis. With a report of 27 cases treated by surgery (author's transl)] Poilleux J, et al. **Ann Chir** 29(8):713–8, Sep 75 **(Fre)**

[Pulmonary embolectomy and cavo-iliac thrombectomy without assisted circulations (author's transl)] Borrelly J, et al. **Ann Chir Thorac Cardiovasc** 14(4):353–6, Oct 75 (Eng. Abstr.) **(Fre)**

[Venous bypass on the opposite side (Palma's operation). Preoperative evaluation. Technical variants. Indications and results] Gillot C, et al. **J Chir (Paris)** 110(5):381–404, Nov 75 (Eng. Abstr.) **(Fre)**

[Peroperative study of femoro-politeal vein bypasses using ultrasonic pulse velocimetry] Quandalle P, et al. **Lille Med** 21(5):409–13, May 76 **(Fre)**

[Venous thrombectomy] Senn A, et al. **Helv Chir Acta** 43(1–2):71–4, Mar 76 **(Ger)**

[The temporary arteriovenous fistula on the level of the adductor canal during venous thrombectomy] Brunner U. **Vasa** 4(1):26–32, 1975 **(Ger)**

[The modification of May's femoral vein bypass] Gruss JD. **Vasa** 4(1):59–61, 1975 **(Ger)**

[The venous thrombectomy] Senn A. **Vasa** 4(1):22–5, 1975 **(Ger)**

[Surgical treatment of deep venous occlusion in the lower limbs] Heinrich P, et al. **Zentralbl Chir** 101(2):118–23, 1976 **(Ger)**

[Indications and technics of the surgical treatment in iliaco-femoral thrombophlebitis in the acute phase] Moggi L, et al. **Minerva Chir** 30(21):1090–6, 15 Nov 75 (Eng. Abstr.) **(Ita)**

[Proceedings: Cross-bypass (Palma's surgery) in iliac vein occlusion] Oashi Y, et al. **Jpn Circ J** 39(7):876–7, Jul 75 **(Jpn)**

[Surgical treatment of acute anorectal thrombophlebitis] Riabukhin KM. **Klin Khir** (2):40–2, 1975 **(Rus)**

[Possibilities of autovenoplasty in occlusions of the major veins] Vasiutkov VIa. **Klin Khir** (12):40–2, Dec 75 **(Rus)**

[Surgical treatment of post-thrombophlebitic syndrome] Petrov ML, et al. **Vestn Khir** 116(3):48–50, Mar 76 (Eng. Abstr.) **(Rus)**

[Surgical treatment of surface thrombophlebitis of the lower extremities] Kapatsinskil EV. **Voen Med Zh** (11):29–32, Nov 75 **(Rus)**

THERAPY

Therapy of deep vein thrombosis and pulmonary embolism: medical approach. pp. 127–36. Sherry S.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.

Mangement of late sequelae of venous injury. pp. 51–61. Dale WA.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Decision theory applied to the treatment of deep vein thrombosis. Teather D, et al. **Methods Inf Med** 13(2):92–7, Apr 74

[Current acquisitions on phlebopathies of the lower extremities] Ferrara F, et al. **Minerva Chir** 30(20):1029–32, 31 Oct 75 (Eng. Abstr.) **(Ita)**

THROMBOPLASTIN

Variable response of activated partial thromboplastin time to heparin therapy during hemodialysis. Bern MM. **Am J Clin Pathol** 64(5):602–7, Nov 75

The effect of increased contact activation time on the activated partial thromboplastin time. Hattersley PG, et al. **Am J Clin Pathol** 66(3):479–82, Sep 76

Standardization of prothrombin and activated partial thromboplastin time reagents and controls. Patterson BB, et al. **Am J Clin Pathol** 65(2):213–9, Feb 76

Letters to the Editor: Critique of the college of american pathologist partial thromboplastin time survey. Soloway HB. **Am J Clin Pathol** 65(1):126–7, Jan 76

Interpreting partial thromboplastin times. Edson JR. **Minn Med** 58(11):833–4, Nov 75

Laboratory observations and clinical implications of monitoring the effect of heparin by bioassay. Goodman TL, et al. **Surg Gynecol Obstet** 142(5):673–85, May 76

[Tissue thromboplastin influx in cesarean section] Wernicke K, et al. **Arch Gynaekol** 219(1–4):489–90, 18 Nov 75 **(Ger)**

[Control of the heparin induced bleeding risk in haemodialysis patients (author's transl)] Vogel GE, et al. **Med Klin** 71(3):116–9, 16 Jan 76 (Eng. Abstr.) **(Ger)**

[Prothrombin time using capillary blood (author's transl)] Risch GM. **Praxis** 63(43):1282–5, 29 Oct 74 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Role of tissue blood-coagulating compounds in the pathogenesis of posttraumatic acute renal insufficiency] Sokratov NV, et al. **Urol Nefrol (Mosk)** (5):21–5, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Properties of canine tissue thromboplastins from brain, lung, arteries, and veins. Gonmori H, et al. **Am J Physiol** 229(3):618–26, Sep 75

[Phospholipid composition and coagulation activity of thromboplastins and cephalins of various vertebrates] Glazunova GA, et al. **Probl Gematol Pereliv Krovi** 21(2):27–30, Feb 76 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Letters to the editor: Antithrombin and antithromboplastin activity accompanying IgG myeloma. Hensen A, et al. **Am J Clin Pathol** 64(6):820–2, Dec 75

The effects of biguanides on thrombokinase, thrombin and trypsin. Roberts PS, et al. **Thromb Diath Haemorrh** 34(1):246–55, 30 Sep 75

BIOSYNTHESIS

Tissue factor activity of cultured human lymphocytes. Goutner A, et al. **Biomedicine** 22(4):298–302, Jul 75

METABOLISM

Binding of bovine brain tissue factor to concanavalin A–Sepharose. Partial purification of coagulant, arylamidase, and alkaline phosphatase activities. Pitlick FA. **Biochim Biophys Acta** 428(1):27–34, 25 Mar 76

Thrombosis and metabolic studies of fibrinogen, prothrombin, plasminogen and tissue thromboplastins. pp. 277–92. Takeda Y, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974. (61 ref.)

[Combined test of thromboplastin-thrombin activity in factor IX concentrates] pp. 143–4.
In: Masure R, et al., ed. Fractions sanguines humaines hemostatiques et fibrinolytiques. Paris, Masson, 1974. W3 CO9995 1972f. **(Fre)**

[Solubilization of brain thromboplastin. Effect of different detergents] Bayer PM, et al. **Acta Haematol (Basel)** 54(3):165–71, 1975 (Eng. Abstr.) **(Ger)**

[Activities of coagulation factor and fibrinolysin in muscles before and after exertion] Kuznik BI, et al. **Vopr Med Khim** 21(3):242–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Viper venoms and coumarin-induced prothrombin. A comparison of several one-stage methods employing three different venoms as thromboplastins. Girolami A, et al. **Ric Clin Lab** 6(7):55–68, Jan–Mar 76

The effect of intravenous injection of purified human tissue thromboplastin in rats. Gierckskiy KE, et al. **Scand J Haematol** 16(4):300–10, Apr 76

The effects of hepes buffer on clotting tests, assay of factors V and VIII and on the hydrolysis of esters by thrombin and thrombokinase. Roberts PS, et al. **Thromb Haemostas** 35(1):202–10, 29 Feb 76

Demonstration of a tissue factor causing the conversion of native plasminogen to a more reactive form. Astrup T, et al. **Thromb Res** 7(3):501–4, Sep 75

Studies on the clotting mechanism of Limulus polyphemus. Fumarola D, et al. **Thromb Res** 7(3):401–8, Sep 75

PHYSIOLOGY

Species specificity of thromboplastin. A phylogenetic study. Csákó G, et al. **Folia Haematol (Leipz)** 102(5):584–90, 1975

Increased procoagulant activity in cultured fibroblasts from progeria and Werner's syndromes of premature ageing. Goldstein S, et al. **Nature** 260(5553):711–3, 22 Apr 76

[Phospholipids and thromboplastins in various sections of the brain normally and in excitation states] Pogosbekova SD, et al. **Biull Eksp Biol Med** 80(8):6–8, Aug 75 (Eng. Abstr.) **(Rus)**

STANDARDS

Editorial: Therapeutic implications of the standardisation of the prothrombin time test. **S Afr Med J** 50(29):1121, 10 Jul 76

Proceedings: Quick–time standardization. Martínez Canaveri AA, et al. **Thromb Diath Haemorrh** 34(1):363, 30 Sep 75

[Laboratory standardization and quality control in anticoagulant therapy] Brink S, et al. **S Afr Med J** 50(7):205–8, 14 Feb 76 (Eng. Abstr.) **(Afr)**

[Determination of the hygroscopic properties of dry plasma, fibrinogen and thromboplastin] Podol'skii MV, et al. **Probl Gematol Pereliv Krovi** 20(11):60–1, Nov 75 **(Rus)**

THROMBOPLASTINOGEN see **FACTOR VIII**

THROMBOPOIETIN see under **GLYCOPROTEINS**

THROMBOSIS

Cerebral vascular disease, venous and arterial thrombosis. **Am J Cardiol** 36(5):611–3, 31 Oct 75

Proceedings: A method for induction of thrombi in the mesenteric artery of the rat. Derwael E, et al. **Arch Int Physiol Biochim** 83(2):345–8, May 75

Projected needs and recommendations. pp. 187–97. **In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.**

Introduction: what is a model? pp. xi–xvi. Wessler S. **In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.**

Thromboresistance of glass after glow discharge treatment in argon. Baier RE, et al. **J Biomed Mater Res** 9(6):547–60, Nov 75

Relative thrombogenicity of polydimethylsiloxane and silicone rubber constituents. Weathersby PK, et al. **J Biomed Mater Res** 9(6):561–8, Nov 75

Letter: Thrombosis of the renal veins and vena cava. Cohen AH. **JAMA** 235(20):2190–1, 17 May 76

Renal–vein thrombosis and the nephrotic syndrome. **Lancet** 2(7934):538–9, 20 Sep 75

Letter: Adhesion of clots. Berridge NJ. **Lancet** 2(7979):261–2, 31 Jul 76

Effect of testosterone, sex and age on experimentally induced arterial thrombosis. Uzunova A, et al. **Nature** 261(5562):712–3, 24 Jun 76

Popliteal artery entrapment syndrome. Kesseler HJ, et al. **NY State J Med** 76(1):80–3, Jan 76

A new, simple test for thrombogenicity. Amplatz K. **Radiology** 120(1):53–5, Jul 76

Thrombosis and Haemostasis Vth Congress. Abstracts. July 21–26, 1975, Paris, France. **Thromb Diath Haemorrh** 34(1):314–66, 30 Sep 75

Thrombosis and Haemostasis Vth Congress. Abstracts. July 21–26, 1975, Paris, France. **Thromb Diath Haemorrh** 34(2):548–612, 15 Nov 75

Proceedings: In vitro studies on thrombolysis with plasminogen and streptokinase. Rice LR, et al. **Thromb Diath Haemorrh** 34(1):334–5, 30 Sep 75

[Renal vein thrombosis in the newborn infant. Demarquez JL, et al. **Arch Fr Pediatr** 32(4):381–92, Apr 75 **(Fre)**

[Intracardiac thromboses] Ben–Ismail M, et al. **Tunis Med** 53(3):187–94, May–Jun 75 **(Fre)**

[Thrombosis susceptibility with reference to the ABO blood groups] Wegner H. **Folia Haematol (Leipz)** 102(2):248–51, 1975 **(Ger)**

[Cyanosis and respiratory insufficiency (during the late stage of pregnancy: systemic thrombosis and pregnancy toxemia with Eisenmenger complex and pulmonary thrombosis as chief symptoms] Nonaka Y, et al. **Jpn J Clin Med** Spec No:938–9, 1430–3, 10 Apr 75 **(Jpn)**

[Spontaneous thrombosis of the axillary artery] Solheim K, et al. **Tidsskr Nor Laegeforen** 95(22):1219–20, 10 Aug 75 (Eng. Abstr.) **(Nor)**

[Diagnosis and surgical treatment of the syndrome of chronic obturation of the abdominal aorta] Kniazev MD, et al. **Khirurgiia (Mosk)** (8):29–35, Aug 75 (Eng. Abstr.) **(Rus)**

[New practical studies with students on the problem of 'thrombosis'] Pomerantseva EN, et al. **Patol Fiziol Eksp Ter** (4):89, Jul–Aug 75 **(Rus)**

[Rare case of bilateral symmetrical strangulation of popliteal arteries] Kiselev VIa, et al. **Vestn Khir** 116(2):142–4, Feb 76 **(Rus)**

[Paget–Schroetter syndrome] Tomashuk IP. **Voen Med Zh** (2):80–1, Feb 76 **(Rus)**

BLOOD

Antithrombin and heparin antithrombin patterns in pre–thrombosis and thrombosis. Innerfield I, et al. **Am J Clin Pathol** 65(3):384–9, Mar 76

Hypercoagulability in mesenteric venous occlusion: report of two cases. Collins GJ, et al. **Am J Surg** 132(3):390–1, Sep 76

Hyperlipidemia, hypercoagulability, and accelerated thrombosis: studies in congenitally hyperlipidemic rats and in rats and monkeys with induced hyperlipidemia. Kim WM, et al. **Blood** 47(2):275–86, Feb 76

The behaviour of the platelet–leukocyte aggregation in thrombotic conditions. Bielawiec M, et al. **Folia Haematol (Leipz)** 102(2):220–9, 1975

Requirements for diagnostic procedures used in the definition and interpretation of animal models of hemorrhage and thrombosis. pp. 122–6. Veltkamp JJ, et al. **In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.**

Plasminogen and plasma plasmin inhibitors in arterial and venous thrombi of various ages. pp. 23–36. Gottlob R. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

The role of platelets in thrombosis. pp. 267–74. Didisheim P, et al. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.**

Platelets and thrombosis. Rossi EC. **J Chronic Dis** 29(4):215–9, Apr 76 (55 ref.)

A nonhuman primate vascular shunt model for thrombus generation. Mason RG, et al. **Lab Invest** 34(6):558–64, Jun 76

Radioimmunoassay of fibrinopeptides in relation to intravascular coagulation and thrombosis. Nossel HL. **N Engl J Med** 295(8):428–32, 19 Aug 76

Acquired thrombophilia: a hitherto unrecognized procoagulant–antithrombin imbalance. Innerfield I. **Scand J Haematol** 16(3):202–8, Mar 76

Hyperaggregability of platelets in thromboembolic disorders. Yamazaki H, et al. **Thromb Res** 8(2 suppl):217–25, May 76

[Role of hemostasis in the development of thrombosis] Donner L. **Vnitr Lek** 22(7):709–16, Jul 76 (Eng. Abstr.) **(Cze)**

[Blood platelets and thrombosis] Bouvier CA. **Acta Clin Belg** 30(3):153–8, 1975 (Eng. Abstr.) **(Fre)**

[Disorders of platelet behavior in retinal vascular pathology] Franceschetti AT, et al. **Ophthalmologica** 172(2–3):259–63, 1976 **(Fre)**

[Symposium on the blood coagulation and fibrinolysis. (4) Predisposition to chronic thrombi formation and blood coagulation (author's transl)] Abe T, et al. **J Jpn Soc Intern Med** 64(10):1109–14, 10 Oct 75 **(Jpn)**

[Physiopathological shifts in the blood coagulation system in embolism of major arteries of the limbs] Shestakov VA, et al. **Kardiologiia** 15(12):17–20, Dec 75 (Eng. Abstr.) **(Rus)**

[Changes in the blood coagulation processes in patients with thrombosis of retinal vessels at different periods of the disease] Nakhabina TP. **Oftalmol Zh** 30(5):359–61, 1975 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Evaluation of thrombogenic effects of drugs. Zbinden G. **Annu Rev Pharmacol Toxicol** 16:177–88, 1976 (101 ref.)

Mesenteric venous thrombosis associated with oral contraceptives: a case report. Milne PY, et al. **Aust NZ J Surg** 46(2):134–6, May 76

Fibrin thrombi, a cause of clindamycin–associated colitis? Bogomoletz WV. **Gut** 17(6):483–7, Jun 76

Potential effects of antihypertensive therapy on intravascular thrombosis. pp. 91–9. Grollman A. **In: Sambhi MP, ed. Systemic effects of antihypertensive agents. New York, Stratton, 1976. QV 150 E27s 1975.** (26 ref.)

Letter: Thrombosis and psoriasis. Burton JL, et al. **Lancet** 1(7953):257, 31 Jan 76

Thrombosis–perspective on a major side effect of oral contraceptives. **Med J Aust** 1(21):788, 790–3, 22 May 76

[Effect of an enzyme, thrombic type, defibrase, on the formation of the white intra–arterial thrombus] Bourgain RH, et al. **C R Soc Biol (Paris)** 169(3):709–12, 1975 (Eng. Abstr.) **(Fre)**

[Letter: Acute ischemia of the lower extremity under the effect of oral contraceptives] Scattoline G, et al. **Nouv Presse Med** (23):1735–6, 7 Jun 75 **(Fre)**

[Irrigation of edemas and thrombosis] Ehrly AM. **Med Welt** 26(41):1877–82, 10 Oct 75 **(Ger)**

[Portal vein thrombosis following the administration of ovulation inhibitors. A case report] Jandl H, et al. **Z Aerztl Fortbild (Jena)** 69(5):265–6, 1 Mar 75 **(Ger)**

[Thrombotic complications due to oral contraceptives] Misz M, et al. **Zentralbl Gynaekol** 97(4):211–5, 1975 **(Ger)**

[Case of central retinal vein thrombosis in a young woman treated with progesterone] Jaworek K. **Klin Oczna** 46(1):75–8, Jan 76 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Coronary thrombosis: facts and beliefs. Baroldi G. **Am Heart J** 91(6):683–8, Jun 76

Portal vein thrombosis resulting in portal hypertension in adults. Aldrete JS, et al. **Am J Gastroenterol** 65(3):236–43, Mar 76

Unilateral renal vein thrombosis and nephrotic syndrome. Report of a case with protein selectivity and antithrombin III clearance studies. Kauffmann RH, et al. **Am J Med** 60(7):1048–54, Jun 76

Abruptio placentae complicated by retinal artery thrombosis. Coopland AT. **Am J Obstet Gynecol** 123(8):917–8, 15 Dec 75

Orthotopic renal homotransplantation in a patient with thrombosis of the inferior vena cava. Mozes MF, et al. **Am J Surg** 131(5):633–6, May 76

Internal jugular vein thrombosis with fatal iatrogenic pulmonary embolism: a case report. Dorton HE. **Am Surg** 41(11):753–4, Nov 75

Letter: Renal vein thrombosis in nephrotic syndrome. Bennett WM. **Ann Intern Med** 83(4):577–8, Oct 75

Letter: Renal vein thrombosis. Butkus DE. **Ann Intern Med** 83(6):901–2, Dec 75

Derman necrosis due to thrombosis in severe secondary hyperparathyroidism. Huertas VE, et al. **Arch Intern Med** 136(6):712–6, Jun 76

Neonatal necrotizing enterocolitis. Occurrence secondary to thrombosis of abdominal aorta following umbilical arterial catheterization. Joshi VV, et al. **Arch Pathol** 99(10):540–3, Oct 75

Immune–complex disease with unilateral renal vein thrombosis. Ozawa T, et al. **Arch Pathol Lab Med** 100(5):279–82, May 76

Microvascular thrombosis in the pathogenesis of chronic renal disease. Stricher GE. **Ateneo Parmense [Acta Biomed]** 46(5):473–80, Sep–Oct 75

Lupus glomerulitis and renal vein thrombosis. Bridi GS, et al. **Br Med J** 1(6012):750, 27 Mar 76

Letter: Granulomas in pulmonary veno–occlusive disease. Olsen GN. **Chest** 69(1):138, Jan 76

Spontaneous hepatic artery thrombosis with infarction of the liver. OConnor PJ, et al. **Gastroenterology** 70(4):599–601, Apr 76

Gynecological malignancy associated with nonbacterial thrombotic endocarditis (NBTE). Delgado G, et al. **Gynecol Oncol** 3(3):205–9, Sep 75

Arterial thrombosis in atherogenesis. A survey of the frequency of incorporation of thrombi into atherosclerotic plaques. pp. 111–8. Chandler AB, et al. **In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974.** (46 ref.)

Venous infarction of the testis owing to vena caval thrombosis. Waldbaum RS, et al. **J Urol** 116(2):259–60, Aug 76

Thrombosis of the renal veins and vena cava. Occurrence in morbid obesity. Luft FC, et al. **JAMA** 234(11):1158–60, 15 Dec 75

Renin/angiotensin system in hypertension after traumatic renal–artery thrombosis. von Knorring J, et al. **Lancet** 1(7966):934–6, 1 May 76

Primary subclavian vein thrombosis and bilateral chylothorax documented by lymphography and venography. Diaconis JN, et al. **Radiology** 119(3):557–8, Jun 76

Portal vein thrombosis with ascites. A case report. Penek J, et al. **S Afr Med J** 50(6):173–6, 7 Feb 76

Thrombosis in association with atherosclerosis induced by dietary perturbations in dogs. Mahley R, et al. **Science** 192(4244):1139–41, 11 Jun 76

[Paraplegia complicating umbilical artery catheterization] Dulac O, et al. **Arch Fr Pediatr** 32(7):659–64, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Leber's pseudo–angiopathy caused by venous thrombosis] Capier MJ, et al. **Bull Soc Ophtalmol Fr** 74(7–8):813–5, Jul–Aug 74 **(Fre)**

[Sylvian and brachial arterial embolism caused by migration of a fragment of thrombosis of the ascending aorta] Féve JR, et al. **Rev Neurol (Paris)** 131(12):887–91, Dec 75 **(Fre)**

[Conditions leading to the rise of hypocoagulability in thromboses] Smoljanizki AJ, et al. **Folia Haematol (Leipz)** 102(2):198–200, 1975 **(Ger)**

[Contribution to the problem of shock as trigger mechanism in secondary acute cholecystitis (SACH). Fibrinoid thrombi in possible precurser state (author's transl)] Meissner K. **Langenbecks Arch Chir** 340(1):59–61, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Thrombosis of A. cer media in Werlhof's disease (author's transl)] Ritter G, et al. **Munch Med Wochenschr** 117(26):1109–12, 27 Jun 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Pulmonary hypertension associated with marked pulmonary arteriosclerosis and thrombus formation] Kodama I, et al. **Jpn Circ J** 39(7):874, Jul 75 **(Jpn)**

[Arterial thrombosis in ulcerative colitis] Solheim K, et al. **Tidsskr Nor Laegeforen** 95(30):1721, 30 Oct 75 (Eng. Abstr.) **(Nor)**

[Use of low doses of heparin for treatment of aftereffects of thrombosis of retinal vessels and for prevention of recurrence of the disease] Nakhabina TP. **Oftalmol Zh** 30(8):566–9, 1975 (Eng. Abstr.) **(Rus)**

[Clinical variants of thrombophlebitic splenomegaly] Geshelin SA. **Vrach Delo** (11):71–4, Nov 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Echocardiographic diagnosis of a mobile, pedunculated tumor in the left ventricular cavity. Levisman JA, et al. **Am J Cardiol** 36(7):957–9, Dec 75

Incidentally detected thrombosed vein during 67Ga citrate scanning. Park CH, et al. **Am J Roentgenol** 126(6):1249–50, Jun 76

Letter: Spontaneous pelvic thrombosis in the postmenopausal woman. Semchyshyn S, et al. **Can Med Assoc J** 115(2):115,

17 Jul 76

Intravascular angiomatosis: development and distinction from angiosarcoma. Salyer WR, et al. **Cancer** 36(3):995–1001, Sep 75

Echocardiographic diagnosis of thrombus on a heterograft aortic valve in the mitral position. Bloch WN Jr, et al. **Chest** 70(03):399–401, Sep 76

Serial echocardiographic abnormalities in nonbacterial thrombotic endocarditis of the mitral valve. Estevez CM, et al. **Chest** 69(6):801–4, Jun 76

Demonstration of left ventricular thrombus by conventional echocardiography. Horgan JH, et al. **J Clin Ultrasound** 4(4):287–8, Aug 76

Highly iodinated fibrinogen: a new thrombus–localizing agent. Harwig JF, et al. **J Nucl Med** 16(8):756–63, Aug 75

Letter: Asymptomatic superior vena cava obstruction. Kumar B, et al. **J Nucl Med** 17(9):853–4, Sep 76

Radionuclide venography: significance of delayed washout; visualization of the saphenous system. Ryo UY, et al. **J Nucl Med** 17(7):590–5, Jul 76

EKG of the month: thrombosed aortic valve prosthesis. Frederiksen RT. **J Tenn Med Assoc** 69(3):195, 198, Mar 76

Thrombus of inferior vena cava presenting as right atrial tumor. Roentgenographic, phonoechocardiographic, angiographic, and surgical findings. Broadbent JC, et al. **J Thorac Cardiovasc Surg** 72(3):422–6, Sep 76

The protean manifestations of renal vein thrombosis in the adult. Kiruluta HG, et al. **J Urol** 115(6):634–8, Jun 76

Letter: Homans sign. Goldowsky SJ. **JAMA** 235(11):1108, 15 Mar 76

Echocardiography and angiocardiography for detection of left atrial thrombosis. Furuse A, et al. **Jpn Heart J** 17(2):163–71, Mar 76

Editorial: Antithrombin. **Lancet** 1(7973):1333–4, 19 Jun 76

Primary aortic thrombosis presenting as a case of diarrhoea. Griffiths SC, et al. **Practitioner** 216(1295):571–4, May 76

Infected left atrial mass within anatomically normal heart. Malcolm AD, et al. **Thorax** 30(6):693–6, Dec 75

[The diagnostic and treatment of thrombosis in gravidity. Prevention of maternal morbidity and mortality (author's transl)] Martinčík J, et al. **Cesk Gynekol** 41(3):175–6, May 76 **(Cze)**

[Changes in the content of finbrinolysis activating and inhibiting factors and of fibrinogen in patients with thrombosis and prethrombotic conditions] Andreenko GV. **Folia Haematol (Leipz)** 102(2):195–7, 1975 **(Ger)**

[The capabilities of angiographic diagnosis of thrombosis] Eger H, et al. **Folia Haematol (Leipz)** 102(2):140–56, 1975 **(Ger)**

[Nuclear medical thrombosis diagnosis, current state and developmental trends] Endert G, et al. **Folia Haematol (Leipz)** 102(2):157–62, 1975 **(Ger)**

[The importance of platelet function for the detection of thrombosis susceptibliity] Glusa E. **Folia Haematol (Leipz)** 102(2):212–9, 1975 **(Ger)**

[The importance of the fibrinolytic system for the detection of thrombosis susceptiblility] Klöcking HP. **Folia Haematol (Leipz)** 102(2):238–47, 1975 **(Ger)**

[The role of various coagulation factors in the diagnosis and prognosis of thrombus formation] Kusin MI, et al. **Folia Haematol (Leipz)** 102(2):230–2, 1975 **(Ger)**

[The limits of laboratory diagnosis in the detection of thrombosis susceptibility] Losonczy H, et al. **Folia Haematol (Leipz)** 102(2):252–7, 1975 **(Ger)**

[Pathohysiological and biochemical aspects of the diagnosis of thrombosis] Markwárdt F, et al. **Folia Haematol (Leipz)** 102(2):109–14, 1975 **(Ger)**

[Scintigraphic findings in splenic vein thrombosis] Biersack HJ, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):127–30, Feb 75 (Eng. Abstr.) **(Ger)**

[Late diagnosis of thrombosis of the pelvic, femoral or calf veins (author's transl)] Kreissmann A, et al. **Med Klin** 70(35):1384–6, 29 Aug 75 **(Ger)**

[Evaluation of clinical tests for the early diagnosis of thromboses and their usefulness in clinical trials for the prevention of thrombosis] Krzywanek HJ. **Med Welt** 27(25):1232–4, 18 Jun 76 **(Ger)**

[Renal vein thrombosis in childhood (author's transl] Rosenkranz A, et al. **Paediatr Paedol** 11(1):108–17, 1976 (Eng. Abstr.) **(Ger)**

[Trends in the nuclear–medical diagnosis of thrombosis] Müller–Brand J, et al. **Schweiz Med Wochenschr** 106(3):78–81, 17 Jan 76 (Eng. Abstr.) **(Ger)**

[The acute arterial occlusion of the extremities] Hübner R, et al. **Z Aerztl Fortbild (Jena)** 69(1):379–80, 1 Apr 75 **(Ger)**

[Reply to the paper by Jandel and Franke: 'Portal vein thrombosis following ovulation inhibitors' in 'Zeitschrift für ärztliche Fortbildung, ' vol. 69 (1975), issue 5, pp. 265–266] Wagner K. **Z Aerztl Fortbild (Jena)** 69(17):943–4, 1 Sep 75 **(Ger)**

[Symposium on the blood coagulation and fibrinolysis. (7) Integrated analysis of hemorrhagic–thrombotic tendency (author's transl)] Yasunaga K. **J Jpn Soc Intern Med** 64(10):1127–49, 10 Oct 75 **(Jpn)**

[A case of consumption coagulopathy due to atrial giant thrombus. Detection of thrombus by scintillation camera using fibrinogen labelled with 125I, 131I and warfarin–aspirin combination therapy (author's transl)] Ikematsu S, et al. **Jpn J Clin Hematol** 16(5):530–6, May 75 (Eng. Abstr.) **(Jpn)**

[Diagnosis of intra–atrial thrombosis in patients with rheumatic heart defects by the method of roentgenoscanning] Kaĭdash AN, et al. **Grudn Khir** (3):36–41, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Acute thrombosis of the brachiocephalic trunk] Kniazev MD, et al. **Grudn Khir** (6):87–90, Nov–Dec 75 **(Rus)**

[Clinical aspects of the use of labelled fibrinogen] Savel'ev VS. **Vestn Akad Med Nauk SSSR** (8):90–4, 1975 (Eng. Abstr.) **(Rus)**

[Dissecting aneurysm of the aorta simulating thrombosis of the femoral artery] Gumeniuk OA. **Vrach Delo** (6):67–8, Jun 74 **(Rus)**

[Phlebography, radioindication and phlebomanometry in the diagnosis of acute thrombosis of deep veins of the lower limbs and pelvis] Sukharev II, et al. **Vrach Delo** (10):13–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Superficial elastic nevus of the face. Its possible identification with 'Elastome en nappe' of Dégos] Sánchez Yus E, et al. **Med Cutan Iber Lat Am** 3(3):227–31, 1975 **(Spa)**

DRUG THERAPY

Use of fibrinopeptide A measurements in the diagnosis and management of thrombosis. Nossel HL. **Adv Exp Med Biol** 63:255–64, 1975

Dynamics of thrombus formation on an artificial surface in vivo. Effects of antithrombotic agents. Mason RG, et al. **Am J Pathol** 82(3):445–56, Mar 76

Effects of antithrombotic agents evaluated in a nonhuman primate vascular shunt model. Mason RG, et al. **Am J Pathol** 83(3):557–68, Jun 76

Aspirin, haemostasis and thrombosis. Obrien JR. **Br J Haematol** 29(4):523–7, Apr 75 (37 ref.)

Late streptokinase therapy in thrombotic microangiopathy: a case study. Beaufils M, et al. **Clin Nephrol** 4(4):160–3, Oct 75

Haemostasis in the microvasculature of the rabbit mesentery, effects of some pharmacological agents of current interest in haemostasis and thrombosis. Bergqvist D, et al. **Haemostasis** 5(2):74–84, 1976

Modern–anticoagulation therapy: the rational use of heparin and dextran in clinical vascular surgery. Sawyer PN, et al. **J Cardiovasc Surg (Torino)** Spec No:582–92, 1973

High–dose, short–term local urokinase for clearing femoral thrombi by vasodilation and thrombolysis. Gurll NJ, et al. **J Surg Res** 20(5):381–8, May 76

Critical evaluation of platelet–inhibiting drugs in thrombotic disease. Harker LA, et al. **Prog Hematol** 9:229–54, 1975 (116 ref.)

Proceedings: The antithrombotic effect of acetylsalicylic acid, heparin and phenprocoumon in experimental thrombosis. Barth P, et al. **Thromb Diath Haemorrh** 34(2):554–5, 15 Nov 75

Proceedings: In vivo activity of tieclopidine, a new drug with platelet aggregation inhibiting, antisludge and antithrombotic properties. Ferrand JC, et al. **Thromb Diath Haemorrh** 34(1):342, 30 Sep 75

Proceedings: The anti–thrombotic effect of warfarin, dipyridamole and aspirin in the rat. Lavelle SM, et al. **Thromb Diath Haemorrh** 34(1):343, 30 Sep 75

Proceedings: The significance of the chronic anticoagulant treatment in recurrent thromboembolie caused by hereditary antithrombin III deficiency. Nagy I, et al. **Thromb Diath Haemorrh** 34(1):366, 30 Sep 75

Proceedings: Fibrinolytic therapy in central retinal vein occlusion. Pettit JE, et al. **Thromb Diath Haemorrh** 34(2):569, 15 Nov 75

In vivo production of soluble complexes containing fibrinogen–fibrin related antigen during ancrod therapy. McKillop C, et al. **Thromb Res** 7(3):361–72, Sep 75

[Contribution to the thrombolytic treatment with streptokinase] Sochor K. **Cas Lek Cesk** 114(42):1312–3, 17 Oct 75 **(Cze)**

[Treatment of thrombosis of the coronary vessels with streptokinase] Tricot R, et al. **Boll Soc Ital Cardiol** 17(9):698–700, 1972 **(Fre)**

[Treatment of thrombosis of the central retinal vein with urokinase. Complete cure] Mouillon M, et al. **Bull Soc Ophtalmol Fr** 75(11):1007–12, Nov 75 **(Fre)**

[Surgical considerations on the duration of heparin therapy in deep venous thrombosis] Goldstein M, et al. **Phlebologie** 28(4):589–99, Oct–Dec 75 **(Fre)**

[Phlebological treatments in deep phlebitides] Sigg K. **Phlebologie** 28(1):79–80, Jan–Mar 75 **(Fre)**

Discontinued thrombolytic treatment: initial biological results. Aiach M, et al. **Sem Hop Paris** 51(19):1285–90, 20 Apr 75 (Eng. Abstr.) **(Fre)**

[Clinical and biological aspects of urokinase therapy] Potron G, et al. **Therapie** 30(5):695–704, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Dosage of long–term streptokinase fibrinolytic administration (author's transl)] Theiss W, et al. **Dtsch Med Wochenschr** 100(38):1887–91, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Lysis of experimentally produced arterial thrombi by means of local application of ocrase in the dog] Sedlařik K, et al. **Folia Haematol (Leipz)** 103(1):117–22, 1976 (Eng. Abstr.) **(Ger)**

[The treatment of thrombosis in pregnancy (author's transl)] Joswig EH, et al. **Geburtshilfe Frauenheilkd** 35(12):932–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Arterial thrombi, prevention and fibrinolytic therapy] Martin M. **Med Welt** 26(41):1873–6, 10 Oct 75 **(Ger)**

[Experimental thrombosis and treatment with acetylsalicylic acid in animals] Meng K. **Med Welt** 27(28):1359–62, 9 Jul 76 **(Ger)**

[Acetylsalicylic acid and dipyridamole: aggregation inhibition in the rabbit experiment] Polterauer P, et al. **Vasa** 4(4):397–402, 1975 (Eng. Abstr.) **(Ger)**

[Functional early and long–term results in thrombolytic therapy of deep pelvic–vein thrombosis] Kriessmann A, et al. **Verh Dtsch Ges Inn Med** 81:894–6, 1975 **(Ger)**

[Successful medical management of the thrombosed valve—a case report] Oga K, et al. **Jpn J Thorac Surg** 28(8):586–90, 1 Aug 75 (Eng. Abstr.) **(Jpn)**

[Clinical and experimental aspects of antithrombotic treatment in children] Prişcu R, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(4):359–70, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Comparative evaluation of effectiveness of different methods of treatment of thrombosis of the central retinal vein with long–term follow–up] Kartasheva EA. **Oftalmol Zh** 30(8):563–5, 1975 (Eng. Abstr.) **(Rus)**

[Current trends in anticoagulant and thrombolytic therapy of thrombosis] Gavrilov OK, et al. **Sov Med** (9):53–9, Sept 75 (67 ref.) **(Rus)**

[Treatment of chronic arterial thrombosis with streptokinase] Lasierra J, et al. **Rev Clin Esp** 141(2):187–90, 30 Apr 76 **(Spa)**

ENZYMOLOGY

[Resistance test to streptokinase. Its value in the establishing of a thrombolytic treatment using this enzyme] Levy G, et al. **Ann Anesthesiol Fr** 16(7):513–7, Nov 75 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Thrombotic obstruction of Bjork–Shiley tricuspid valve prosthesis. Report of three cases reoperated with success. Azpitarte J, et al. **Acta Cardiol (Brux)** 30(6):419–26, 1975

Letter: Pulmonary thrombosis and vascular disease after Mustard operation for transposition of great arteries. Newfield EA, et al. **Am J Cardiol** 37(7):1115–6, Jun 76

Recurrent arterial thrombosis in nephrosis. Parrish RA, et al. **Am J Dis Child** 130(4):428–9, Apr 76

Platelet hypersensitivity and intravascular coagulation in paroxysmal nocturnal hemoglobinuria. Steinberg D, et al. **Am J Med** 59(6):845–50, Dec 75

The Sparks' mandril graft. A seven year follow–up of mandril grafts placed by Charles H. Sparks and his associates. Hallin RW, et al. **Am J Surg** 132(2):221–3, Aug 76

Thrombosis at the site of interruption of the vena cava: a consideration in prophylactic treatment of pulmonary embolism. Wray CH, et al. **Am Surg** 41(11):714–25, Nov 75

Arterial cannulation: factors in the development of occlusion. Kim JM, et al. **Anesth Analg (Cleve)** 54(6):836–41, Nov–Dec 75

An intravascular test device for thromboresistant materials: analysis and preliminary experimental evaluation. Grabowski EF, et al. **Ann Biomed Eng** 3(3):322–41, Sep 75

Long–term results of 'simple' thrombectomy for thrombosed Björk–Shiley aortic valve prostheses. Byrd CL, et al. **Ann Thorac Surg** 20(3):265–73, Sep 75

Multiple major cerebral artery thromboses with profound thrombocytopenia in acute leukaemia. Sims DG, et al. **Arch Dis Child** 51(1):74–77, Jan 76

Primary inferior vena cava thrombosis: report of nine cases. Siqueira–Filho AG, et al. **Arch Intern Med** 136(7):799–802, Jul 76

Relationship between the type of dietary fatty acid and arterial thrombosis tendency in rats. Hornstra G, et al. **Atherosclerosis** 22(3):499–516, Nov–Dec 75

Arterial thrombosis in scleroderma. Furey NL, et al. **Br J Dermatol** 93(6):683–93, Dec 75

Benign obstruction of subclavian and axillary veins possibly due to filariasis. Nagaratnam N, et al. **Br J Surg** 63(5):379–80, May 76

Unilateral renal vein thrombosis and nephrotic syndrome. De Troyer A, et al. **Br Med J** 4(5999):730–1, 27 Dec 75

Effect of blood types and vessel wall surface charge on thrombogenicity: preliminary report. Thubrikar MJ, et al. **Bull NY Acad Med** 51(8):974–83, Sep 75

Sudden hemolysis indicating prosthetic valve dysfunction. Allard JR, et al. **Can J Surg** 19(3):272–3, May 76

Complications of indwelling chemotherapy catheters Goldman ML, et al. **Cancer** 36(6):1983–90, Dec 75

Late thrombosis of the aortic Bjork–Shiley prosthesis. Its clinical recognition and management. Fernandez J, et al. **Chest** 70(1):12–6, Jul 76

Pulmonary veno–occlusive disease. Entity or syndrome? Wagenvoort CA. **Chest** 69(1):82–6, Jan 76

Scanning electron microscopy of surface irregularities and thrombogenesis of polyurethane and polyethylene coronary catheters. Bourassa MG, et al. **Circulation** 53(6):992–6, Jun 76

Complications of percutaneous femoral vein catheterizations for hemodialysis. Kjellstrand CM, et al. **Clin Nephrol** 4(1):37–40, Jul 75

Conditions associated with thrombosis in animals. pp. 55–65. Migaki G, et al.
In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.

Blood and arterial wall in atherogenesis and arterial thrombosis. Panel discussion. pp. 143–6.
In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975.

WG 550 B655 1974.

Relation between type of dietary fat and arterial thrombosis in the rat and in man. pp. 119–27. Hornstra G.
In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974.

Blood and arterial wall in atherogenesis and arterial thrombosis. Address to the symposium. pp. 140–2. Maturu R.
In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974.

Computer analysis of factors associated with thrombus formation observed on pullout angiograms. Preliminary communication. Mani RL. **Invest Radiol** 10(4):378–84, Jul–Aug 75

The role of surface thermodynamics in thromboresistance of biomaterials. Neumann AW, et al.
J Biomed Mater Res 9(2):127–42, Mar 75

Thrombosis of the ulnar artery in the hand. Herndon WA, et al. **J Bone Joint Surg [Am]** 57(7):994–5, Oct 75

The effect of intimal and neointimal fibroplasia on arterial reconstructions. Imparato AM, et al.
J Cardiovasc Surg (Torino) Spec No:488–94, 1973

Incidence and causes of early thrombosis after aorto–iliac endarterectomy. Langeron P, et al.
J Cardiovasc Surg (Torino) 16(4):362–7, Jul–Aug 75

Mural thrombosis of large arteries in alcoholic smokers. Read RC, et al. **J Cardiovasc Surg (Torino)** Spec No:565–70, 1973

Early thrombosis risks in function of methods of reconstruction (venous bypass, dacron bypass or endarterectomy), within three months. Stalpaert G, et al.
J Cardiovasc Surg (Torino) 16(4):390–1, Jul–Aug 75

Early and late rethrombosis following arterial reconstruction. Topics of discussion. Van Der Stricht J, et al.
J Cardiovasc Surg (Torino) 16(4):335–43, Jul–Aug 75

Changes in fibrinogen levels, platelet counts, clotting times and fibrinolytic activity in relation to thrombosis in contagious bovine pleuropneumonia. Lloyd LC, et al.
J Comp Pathol 85(4):583–95, Oct 75

Septic thrombosis following subclavian vein catheterization. Faden H, et al. **J Pediatr** 88(5):895–6, May 76

Hydrocephalus as a complication of jugular catheterization during total parenteral nutrition. Stewart DR, et al.
J Pediatr Surg 10(5):771–7, Oct 75

Proceedings: Thrombogenesis by acoustic microstreaming. Williams AR. **J Physiol (Lond)** 257(1):23P–24P, May 76

The pathology of post–catheterization brachial artery occlusion. Karmody AM, et al. **J Surg Res** 20(6):601–6, Jun 76

Letter: Thrombogenicity of prosthetic valves. Kaster RL.
J Thorac Cardiovasc Surg 70(3):539–40, Sep 75

Bilateral traumatic renal artery thrombosis with survival after hemodialysis and renal transplantation. Santino F, et al.
J Urol 116(2):251–2, Aug 76

Thrombotic side–effects of lower–limb phlebography. Albrechtsson U, et al. **Lancet** 1(7962):723–4, 3 Apr 76

Thrombosis after central venous cannulation. Ahmed N.
Med J Aust 1(8):217–20, 21 Feb 76

Bilateral pulmonary artery obstruction due to fibrosing mediastinitis: case report. Delbanco TL, et al.
Milit Med 141(5):335–9, May 76

Thrombotic complications of umbilical artery catheters: A clinical and radiographic study. Goetzman BW, et al.
Pediatrics 56(3):374–9, Sep 75

Inferior vena cava obstruction secondary to indwelling venous catheters: two cases. Riggs TT, et al. **Pediatrics** 58(3):446–9, Sep 76

Venous complications of renal transplantation. Butt KM, et al. **Proc Clin Dial Transplant Forum** 5:77–80, Nov 75

Thrombus formation after umbilical arterial catheterisation. An angiographic study. Olinsky A, et al. **S Afr Med J** 49(36):1467–70, 23 Aug 75

Orthotopic liver transplantation: an experimental study on mechanisms of hemorrhagic diathesis and thrombosis. Schalm SW, et al. **Surgery** 78(4):499–507, Oct 75

Extracorporeal model for study of factors affecting thrombus formation. Benis AM, et al. **Thromb Diath Haemorrh** 34(1):127–44, 30 Sep 75

Proceedings: Essential fatty acid deficiency, a new model for basis research in thrombogenesis. Hornstra G, et al.
Thromb Diath Haemorrh 34(1):357, 30 Sep 75

Disturbance of blood flow as a factor of thrombus formation. Azuma T, et al. **Thromb Res** 8(2 suppl):375–80, May 76

Polymolecular layers of fibrinogen systems and the genesis of thrombosis. Copley AL, et al. **Thromb Res** 8(2 suppl):393–408, May 76

New aspects of blood clotting and thrombosis; investigations with the method of rheosimulation. Hartert HH.
Thromb Res 8(2 suppl):381–92, May 76

Metabolic and kinetic study of thrombogenesis: regulatory mechanism in early step of platelet plug formation. Kuramoto A, et al. **Thromb Res** 8(2 suppl):347–55, May 76

Role of blood platelet in the formation of thrombus. Maekawa T, et al. **Thromb Res** 8(2 suppl):227–34, May 76

Endothelial damage and thrombosis; a scanning and transmission electron microscopic study. Sumiyoshi A, et al. **Thromb Res** 8(2 suppl):277–86, May 76

Kinetics of thrombus formation. Schultz JS, et al.
Trans Am Soc Artif Intern Organs 22:269–77, 1976

Vascular thrombosis in machine–perfused renal allografts. Sheil AG, et al. **Transplantation** 20(2):178–9, Aug 75

Traumatic renal artery thrombosis with acute malignant hypertension and hyperreninemia. Richie JP, et al.
Urology 6(4):481–4, Oct 75

[Thrombosis of aorto–iliac prostheses. Prevention and treatment (author's transl)] Melliere D, et al. **Ann Chir** 30(3):231–49, Mar 76 (Eng. Abstr.) **(Fre)**

[Post–traumatic thrombosis of the coeliac axis (author's transl)] Ronceray J, et al. **Ann Chir** 30(3):249–50, Mar 76 (Eng. Abstr.) **(Fre)**

[Arterial complications of surgery of the hip in arteritis] Watelet J, et al. **Ann Chir** 30(5):411–4, May 76 (Eng. Abstr.) **(Fre)**

[Thrombosis of the axillary artery following shoulder dislocation. Venous autograft. Cure. Apropos of a case] Ghitesco T, et al. **Chirurgie** 101(1):56–8, 15–29 Jan 75 **(Fre)**

[Letter: Femoro–popliteal acute ischemia followed by amputation in a woman on oral contraceptives. 3d personal case] Mellière D, et al. **Nouv Presse Med** 5(24):1533, 12 Jun 76 **(Fre)**

[Acute occlusion of the iliac arteries after replacement of a total hip (author's transl)] Schöllner D, et al.
Arch Orthop Unfallchir 83(3):305–8, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Thrombotic occlusion and late lysis in the arteria subclavia lusoria dextra] Stockmann U, et al. **Chirurg** 46(6):273–5, Jun 75 **(Ger)**

[Therapeutic hazard of supracondylar humeral fracture in a child] Izadpanah M. **Helv Chir Acta** 43(1–2):211–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Thermodynamic aspects of phagocytosis and thrombosis (author's transl)] Neumann AW, et al. **Klin Wochenschr** 53(21):1021–7, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Thrombogenesis in veins] Beneke G. **Med Welt** 27(25):1222–4, 18 Jun 76 **(Ger)**

[Thrombogenesis in arteries] Sinapius D. **Med Welt** 27(25):1225–7, 18 Jun 76 **(Ger)**

[The influence of increased clotting reactions as shown by thrombosis formation in the immediate postoperative period on aortic valve prothesis (author's transl)] Harke H, et al. **Thoraxchirurgie** 23(4):422–6, Aug 75 (Eng. Abstr.) **(Ger)**

[Venous diseases, life habits and statistics] Bassi G. **Vasa** 4(1):79–81, 1975 **(Ger)**

[Recent aspects of thrombogenesis and thrombosis prevention] Frick G, et al. **Z Gesamte Inn Med** 30(17):561–7, 1 Sep 75 (Eng. Abstr.) **(Ger)**

[Thrombosis caused by Björk–Shiley valve] Koide S, et al.
J Jpn Assoc Thorac Surg 24(3):274–82, Mar 76 (Eng. Abstr.) **(Jpn)**

[Symposium on the blood coagulation and fibrinolysis. (5) Metabolic and kinetic studies of platelets in thromogenesis (author's transl)] Kuramoto A. **J Jpn Soc Intern Med** 64(10):1115–20, 10 Oct 75 **(Jpn)**

[Rare complication after gastric resection in duodenal ulcer associated with opisthorchiasis] Kirilenko MP, et al.
Klin Khir (7):70–1, Jun 75 **(Rus)**

[Thrombohemorrhagic syndrome in systemic lupus erythematosus] Iakimova NIa, et al. **Klin Med (Mosk)** 52(1):37–41, Jan 74 **(Rus)**

[Thrombohemorrhagic syndrome in patients with meningococcal infection] Pateiuk VG. **Klin Med (Mosk)** 53(2):60–5, Feb 75 (Eng. Abstr.) **(Rus)**

[Role of arterial wall in the process of local thrombus formation after endarterectomy] Zyrianov BN, et al.
Vestn Khir 114(1):63–7, Jan 75 (Eng. Abstr.) **(Rus)**

[Thrombosis in leg—AP should be used] **Lakartidningen** 72(40):3820, 1 Oct 75 **(Swe)**

FAMILIAL & GENETIC

Hereditary antithrombin III deficiency. Effect of antithrombin III deficiency on platelet function. Carvalho A, et al. **Am J Med** 61(2):179–83, Aug 76

Proceedings: Inherited antithrombin III deficiency and thrombo–embolism. Egeberg O.
Thromb Diath Haemorrh 34(1):366, 30 Sep 75

Two dimensional immunoelectrophoretic studies in anti–thrombin III deficiency. Gomperts ED, et al.
Thromb Res 8(5):713–8, May 76

IMMUNOLOGY

[Monoclonal human immunoglobulin (IgG lambda) with antiethinylestradiol activity, oral contraceptives, and arterial pulmonary thrombosis] Beaumont JL, et al.
C R Acad Sci [D] (Paris) 280(24):2805–8, 23 Jun 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Thrombosis and metabolic studies of fibrinogen, prothrombin, plasminogen and tissue thromboplastins. pp. 277–92. Takeda Y, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974. (61 ref.)

Study on the frequency of 'fatty metamorphosis' of intramural thrombi as a lipid source in atherosclerotic lesions. Velican D, et al. **Rev Roum Med [Med Intern]** 13(4):297–302, 1975

OCCURRENCE

Letter: Deep vein thrombosis. Coppola AR. **J Neurosurg** 43(4):510–11, Oct 75

Effects of radial artery cannulation. Little JM, et al.
Med J Aust 2(21):791–3, 22 Nov 75

[Relationship between the magnetic field of the earth and the incidence of acute attacks of primary glaucoma and acute disorders of retinal circulation] Zhokhov VP, et al.
Vestn Oftalmol (4):7–9, Jul–Aug 75 **(Rus)**

PATHOLOGY

'Hole–in–one' sudden death: mitral stenosis and left atrial ball thrombus. Lie JT, et al. **Am Heart J** 91(6):798–804, Jun 76

Regression of injury–induced atheromatous lesions in rabbits. Friedman RJ, et al. **Arch Pathol Lab Med** 100(4):189–95, Apr 76

Preclotting and thrombosis of a dacron prosthesis. A scanning electron microscope study. Guidoin RG, et al.
Biomater Med Devices Artif Organs 3(3):365–82, 1975

Retinal vascular obstruction. Manschot WA.
Doc Ophthalmol 40(2):383–9, 31 Mar 76

'Locked–in' syndrome. A clinico–pathological study of two cases. Dehaene I, et al. **Eur Neurol** 14(2):81–9, 1976

Effect of L–dopa administration to fine structures of brain, heart and kidney in rats, with special reference to appearance of microvascular thrombosis and its pathological significance. Takeichi M.
Folia Psychiatr Neurol Jpn 29(1):53–66, 1975

The ultrastructure of organising experimental mural thrombi in the pig aorta. Davies MJ, et al. **J Pathol** 117(2):75–81, Oct 75

Immunohistochemical evidence for the presence of collagen type III in human arterial walls, arterial thrombi, and in leukocytes, incubated with collagen in vitro. Gay S, et al.
Klin Wochenschr 53(19):899–902, 1 Oct 75

Endothelial injury induced by thrombin or thrombi. Lough J, et al. **Lab Invest** 33(2):130–5, Aug 75

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 40–1975.
N Engl J Med 293(15):764–9, 9 Oct 75

Proceedings: Fibrinolysis and microthrombosis in unselected autopsies. Lindeman J, et al. **Thromb Diath Haemorrh** 34(1):352, 30 Sep 75

Proceedings: Canine renal allograft rejection: evaluation of progressive microsvacular thrombosis. Webster WP, et al.
Thromb Diath Haemorrh 34(2):604, 15 Nov 75

New criteria for evaluating the structure of white arterial thrombi in vivo. Bourgain RH, et al. **Thromb Res** 8(1):59–64, Jan 76

Globular hyaline microthrombi—their nature and morphogenesis. Bleyl U, et al.
Virchows Arch [Pathol Anat] 370(2):113–28, 3 May 76

[Contribution of morphology to the identification of fibrinogen derivatives] Fabre J, et al.
Pathol Biol (Paris) 22 suppl:53–9, Nov 74 **(Fre)**

[Organization of experimental thrombi in arteries and veins. A comparative study (author's transl)] Frenzel H, et al.
Basic Res Cardiol 70(5):480–94, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[Arterial repair after mechanical injury by migrating fourth–stage larvae of Strongylus vulgaris in the horse (a light and electron microscopic study) (author's transl)] Pauli B, et al. **Beitr Pathol** 155(4):357–78, Aug 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Ultrastructure of spherical hyaline microthrombi (so–called globuli) in man] Bleyl U, et al.
Verh Dtsch Ges Pathol 59:465, 1975 **(Ger)**

PHYSIOPATHOLOGY

Two–stage occulsion of the protal vein in the rat:survival related to weight variation and the interval between partial and total occulusion. Myking AO, et al. **Eur Surg Res** 7(6):366–74, 1975

Arterial thrombosis and the vessel wall. Sixma JJ.
J R Coll Physicians Lond 10(2):202–4, Jan 76

The model of thrombosis and thrombolysis in vitro. Hladovec J, et al. **Thromb Res** 7(5):743–52, Nov 75

Rheological observation on the deformation of thrombus. Kikuchi A. **Thromb Res** 8(2 suppl):365–74, May 76

The Gordon Wilson lecture: function of blood platelets and their role in thrombosis. Mustard JF.
Trans Am Clin Climatol Assoc 87:104–27, 1976 (101 ref.)

The relationship between venous pressure and volume in the lower extremity during exercise. Niederle P, et al. **Vasa** 4(1):40–4, 1975

[Case of thrombosis of the cortical veins of the brain and of the venous sinuses of the dura mater in a parturient] Vlasov V, et al. **Akush Ginekol (Sofiia)** 15(1):85–8, 1976 **(Bul)**

[Arterial thrombosis: interaction between the arterial wall, the platelets and the plasma proteins] Bourgain RH, et al.
Acta Clin Belg 30(3):159–66, 1975 **(Fre)**

[Mechanisms of arterial and venous thrombosis] Krayfman M. **Acta Clin Belg** 30(3):167–73, 1975 (Eng. Abstr.) **(Fre)**

[The development of arterial thrombi] Tobelem G.
J R Coll Physicians Lond 10(4):399–407, Jul 76 (Eng. Abstr.) **(Fre)**

[Experimental studies on the prethrombotic state] Kurdrjashov BA. **Folia Haematol (Leipz)** 102(2):115–23, 1975 **(Ger)**

[Coagulation physiological findings in thrombosis] Nilsson IM, et al. **Folia Haematol (Leipz)** 102(2):124–9, 1975 **(Ger)**

[Retinal venous occlusions (author's transl)] Mehlan J, et al.
Klin Monatsbl Augenheilkd 165(5):785–96, Nov 74 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Antiplatelet drugs–a new pharmacologic approach to the prevention of thrombosis. Weiss HJ. **Am Heart J** 92(1):86–102, Jul 76 (188 ref.)

comparison of ancrod and heparin as anticoagulants following endarterectomy in the dog. Daniel TM, et al. **Ann Surg** 18(2):223–8, Aug 76

Reduction of early occlusions in the high risk peripheral saphenous vein graft. Robinson HB, et al. **Ann Surg** 18(2):229–35, Aug 76

The extracorporeal pump filter—saint or sinner? Heimbecker R, et al. **Ann Thorac Surg** 21(1):55–8, Jan 76

Nonthrombogenic ac polarized copper prosthesis. Lucas TR, et al. **Biomater Med Devices Artif Organs** 3(2):215–32, 1975

Letter: Adjustment to low-dose heparin to prevent thrombosis. O'Brien JR. **Br Med J** 3(5985):705, 20 Sep 75

The role of sulfinpyrazone in the prevention of arterio-venous shunt thrombosis. Kaegi A, et al. **Circulation** 52(3):497–9, Sep 75

Hypercoagulability and methods for monitoring anticoagulant therapy. pp. 28–42. Rosenberg RD. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.** (61 ref.)

Effect of acetylsalicylic acid, heparin and phenprocoumon on formation of experimental red thrombi. pp. 378–80. Zimmermann R, et al. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.**

Prevention of thrombosis after small artery endarterectomy, with dextran and fibrinolytic agents. Papaevangelou EJ, et al. **J Cardiovasc Surg (Torino)** 16(5):554–7, Sep–Oct 75

Rethrombosis analysed in reference to anticoagulant therapy. Saggau W, et al. **J Cardiovasc Surg (Torino)** 16(4):386–9, Jul–Aug 75

Letter: Use of Gore-Tex for heart valves. Gore WL. **J Thorac Cardiovasc Surg** 70(3):540, Sep 75

Heparin as an antithrombotic agent. Low-dose prophylaxis. Wessler S. **JAMA** 236(4):389–91, 26 Jul 76

Successful use of heparin-grafted hollow fiber dialyzers in sheep. Schmer G, et al. **Kidney Int [Suppl]** (3):431–5, Feb 75

Letter: Prevention of thrombosis by platelet inhibition. **N Engl J Med** 294(20):1121–2, 13 May 76

Platelet-inhibiting drugs in the prevention of clinical thrombotic disease (third of three parts). Genton E, et al. **N Engl J Med** 293(25):1296–300, 18 Dec 75

Platelet-inhibiting drugs iee parts). Genton E, et al. **N Engl J Med** 293(24):1236–40, 11 Dec 75 (39 ref.)

Editorial: Drug therapy for prevention of arterial thrombosis. Sixma JJ. **Neth J Med** 18(4):121–4, 1975

Reduced thrombus formation with silicone elastomere (silastic) umbilical artery catheters. Boros SJ, et al. **Pediatrics** 56(6):981–6, Dec 75

Letter: Does the topical use of magnesium sulfate improve the results in microvascular anastomosis? Acland RD. **Plast Reconstr Surg** 56(4):440–1, Oct 75

Prevention of thrombosis in arterial and venous microanastomoses by using topical agents. Swartz WM, et al. **Plast Reconstr Surg** 58(4):478–81, Oct 76

Quality control of thrombogenic properties of clinical ALG. Thomas T, et al. **Proc Clin Dial Transplant Forum** 3:69–73, 1973

Pressure dressings and postarteriographic care of the femoral puncture site. Christenson R, et al. **Radiology** 119(1):97–9, Apr 76

Soluble fibrin complex production and proteolysis during ancrod therapy. McKillop C, et al. **Scott Med J** 20(3):139–40, May 75

The nature of arterial healing following dextran treatment of experimental small artery trauma. Bloom WL, et al. **Surgery** 78(5):594–8, Nov 75

Proceedings: A randomized comparative study on early prophylactic treatment of thrombosis using heparin and high-molecular dextran following injuries of the lower-leg. Gaudernak T, et al. **Thromb Diath Haemorrh** 34(2):597, 15 Nov 75

The effect of ecarin- defibrinating enzyme isolated from Echis carinatus - on experimental arterial thrombosis. Kornalik F, et al. **Thromb Res** 7(4):611–21, Oct 75

Regional administration of drugs to control thrombosis in artificial organs. Richardson PD, et al. **Trans Am Soc Artif Intern Organs** 22:22–9, 1976

[Postoperative thrombosis prevention with dextran] Knape M. **Ned Tijdschr Geneeskd** 120(4):163–5, 24 Jan 76 (21 ref.) **(Dut)**

[Letter: Thrombosis prevention in surgery] Loeliger EA. **Ned Tijdschr Geneeskd** 120(13):590–1, 27 Mar 76 **(Dut)**

[Diagnosis of postoperative thrombosis and prevention by means of coumarin derivatives] Meuwissen OJ. **Ned Tijdschr Geneeskd** 120(4):153–9, 24 Jan 76 (18 ref.) **(Dut)**

[Letter: Postoperative thrombosis prevention with low doses of heparin administered subcutaneously] Taks AC, et al. **Ned Tijdschr Geneeskd** 120(12):530–1, 20 Mar 76 **(Dut)**

[Prevention of postoperative thrombosis] van der Meer J. **Ned Tijdschr Geneeskd** 120(4):152–3, 24 Jan 76 **(Dut)**

[Low doses subcutaneously administered heparin as thrombosis prevention in surgery] van Vroonhoven TJ. **Ned Tijdschr Geneeskd** 120(4):159–63, 24 Jan 76 (26 ref.) **(Dut)**

[Suppression of concomitant thrombosis in central venous catheters (infraclavicular route) by salicylates (author's transl)] Fassolt A, et al. **Anaesthesist** 24(7):325–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Prevention of thrombosis using acetylsalicylic acid following vascular prosthesis and endarterectomy] Hetzer R, et al. **Langenbecks Arch Chir** Suppl:427–9, 1975 (Eng. Abstr.) **(Ger)**

[The use of drugs in thrombosis prevention] Popov-Cenić S. **Med Klin** 71(30):1221–34, 23 Jul 76 (31 ref.) **(Ger)**

[Values of electric stimulation of the calf for the prevention of postoperative deep vein thrombosis in general surgery] Bernhard M, et al. **Med Welt** 27(25):1255–9, 18 Jun 76 **(Ger)**

[Which procedure is effective: anticoagulants, dextran, or early mobilization] Breddin K. **Med Welt** 27(25):1238–41, 18 Jun 76 **(Ger)**

[THE German multicenter double blind study on the prevention of thrombosis with ASA] Loew D. **Med Welt** 27(28):1374–6, 9 Jul 76 **(Ger)**

[The action of various drugs in the prevention of re-occlusion following Dotter's catheter disobliteration] Zeitler E. **Med Welt** 27(28):1377–80, 9 Jul 76 **(Ger)**

[A randomized study on the prevention of postoperative thrombosis with acetylsalicylic acid] Zekert F, et al. **Med Welt** 27(28):1372–3, 9 Jul 76 **(Ger)**

[Experience with acetylsalicylic acid in long-term prevention of thrombosis in children] Bender-Götze C, et al. **Monatsschr Kinderheilkd** 123(5):470–2, May 75 **(Ger)**

[Postoperative prophylaxis of thrombosis (author's transl)] Gruber UF. **Praxis** 64(45):1440–5, 11 Nov 75 **(Ger)**

[Experiences with antithrombotic effect of postoperatives dextran 70 000 infusions (author's transl)] Ott W. **Praxis** 64(32):1032–4, 12 Aug 75 (Eng. Abstr.) **(Ger)**

[Subcutaneous small heparin doses for the prevention of thrombosis in general surgery and urology] Rem J, et al. **Schweiz Med Wochenschr** 105(26):827–35, 28 Jun 75 (Eng. Abstr.) **(Ger)**

Mechanism of action and clinical use of acetylsalicylic acid as a prophylactic agent against thrombosis] Breddin K, et al. **Wien Med Wochenschr** 125(40):571–6, 3 Oct 75 **(Ger)**

[Antithrombogenic action of a new extract: 3GS] Rusconi C, et al. **Minerva Cardioangiol** 23(9):565–70, Sep 75 (Eng. Abstr.) **(Ita)**

[Temporary synthetic arterial shunt. An experimental study] Smolarek F, et al. **Polim Med** 5(1):47–9, 1975 (Eng. Abstr.) **(Pol)**

[Effect of electric current on intravascular thrombus formation] Shumakov VI, et al. **Eksp Khir Anesteziol** (4):23–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Methods of prevention of complications of catheterization of the main veins] Perepelitsa VN. **Klin Khir** (7):57–8, Jun 75 **(Rus)**

[Experimental prevention of thrombosis through electric stimulation] Bošković S, et al. **Med Arh** 29(1):5–9, Jan–Feb 75 (Eng. Abstr.) **(Ser)**

RADIOGRAPHY

Iliocaval thrombi in pulmonary thromboembolic disease. Rudikoff JC, et al. **Am J Roentgenol** 126(5):1019–22, May 76

Renal vein thrombosis, nephrotic syndrome, and systemic lupus erythematosus: an association in four cases. Appel GB, et al. **Ann Intern Med** 85(3):310–7, Sep 76

A new diagnostic sign of pulmonary emboli and thrombi. Cohen SL. **Ariz Med** 32(9):695–8, Sep 75

X-ray of the month: splenic vein thrombosis. Scott RL, et al. **J Tenn Med Assoc** 69(3):197–8, Mar 76

Intravascular electrically induced thrombosis in the dog. Thrombus detection by ionic and nonionic contrast media. Trägårdh B, et al. **Radiology** 121(1):55–7, Oct 76

[A pseudo-tumoral left intraventricular thrombus (author's transl)] Pouliot P, et al. **Ann Radiol (Paris)** 18(6):669–73, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Asymptomatic coelio-mesenteric arterial thrombosis in a patient with Vaquez's disease (author's transl)] Weiller M, et al. **Ann Radiol (Paris)** 19(3):351–3, May 76 (Eng. Abstr.) **(Fre)**

[Portal venous return in cases of obstruction of the inferior vena cava. Phlebographic study of five cases (author's transl)] Weill F, et al. **J Radiol Electrol Med Nucl** 56(4):331–7, Apr 75 (Eng. Abstr.) **(Fre)**

[Clinical and radiographic diagnosis in acute deep leg and pelvic vein thrombosis] Schmitt HE. **Med Welt** 27(25):1228–32, 18 Jun 76 **(Ger)**

[Radiologic diagnosis of thrombosis of renal veins (author's transl)] Wiedner F, et al. **Roentgenblaetter** 28(11):518–26, Nov 75 (Eng. Abstr.) **(Ger)**

[Problem of circulation disorder in the inferior vena cava in newborn infants] Schwinghackl A, et al. **Z Kardiol** 64(5):472–81, May 75 (Eng. Abstr.) **(Ger)**

[Thrombosis of the axillary-humeral subclavian venous trunk (Paget-Schroëtter syndrome. Apropos of a case)] Mateos Sánchez A, et al. **Rev Clin Esp** 141(3):289–91, 15 May 76 **(Spa)**

SURGERY

Neck mass caused by thrombus in the external jugular vein. Pucci RO, et al. **Am J Surg** 131(3):382–5, Mar 76

Long-term results of brachial thrombectomy following cardiac catheterization. Nicholas GG, et al. **Ann Surg** 183(4):436–8, Apr 76

Massive left atrial thrombus complicating mitral stenosis with atrial fibrillation: results of surgical treatment. John S, et al. **Ann Thorac Surg** 21(2):103–6, Feb 76

Thrombosis in a cavernous left-sided inferior vena cava. An unusual abdominal mass. Krämer AH, et al. **Arch Surg** 111(9):1025–7, Sep 76

Photocoagulation in retinal vein occlusion. Sedney SC. **Doc Ophthalmol** 40(1):1–241, 28 Jan 76 (321 ref.)

Emergency thombectomy in acute arterial obliterations: Experience with 204 operated cases. Enjalbert A, et al. **J Cardiovasc Surg (Torino)** Spec No:33–40, 1973

Causes of rethrombosis after arterial reconstructions. Harjola PT. **J Cardiovasc Surg (Torino)** 16(4):357–8, Jul–Aug 75

Treatment of arterial thrombosis and arterial embolism. Koch G, et al. **J Cardiovasc Surg (Torino)** Spec No:50–2, 1973

Surgical treatment of acute embolization and acute arterial thrombosis. A review of 342 cases. Raithel D. **J Cardiovasc Surg (Torino)** Spec No:61–7, 1973

Emergency thrombectomy in the treatment of acute arterial thrombosis. Sala Planell E. **J Cardiovasc Surg (Torino)** Spec No:15–7, 1973

Causes of rethrombosis following arterial reconstructions below the renal arteries. Terpstra JL, et al. **J Cardiovasc Surg (Torino)** 16(4):392–400, Jul–Aug 75

Surgical treatment of thrombosed Björk-Shiley aortic valve prosthesis. Gray LA Jr, et al. **J Thorac Cardiovasc Surg** 71(3):429–32, Mar 76

Letter: Acute renal artery thrombosis and kidney salvage. Beczke S. **Urology** 7(2):237, Feb 76

[Acute intestinal ischemia complicating aorto-iliac restorations] Masson B, et al. **Chirurgie** 101(7):483–93, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Letter: Cross iliofemoral bypass through the obturator hole] Milleret P, et al. **Nouv Presse Med** 4(39):2812, 15 Nov 75 **(Fre)**

[Light coagulation in retinal vein thrombosis (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 165(5):750–5, Nov 74 (Eng. Abstr.) **(Ger)**

[Contribution to the arterial traumatic thrombosis] Laube J, et al. **Zentralbl Chir** 100(12):756–7, 1975 **(Ger)**

[A case of paraplegia following the clamping of the subrenal aorta] Scorza R, et al. **Minerva Cardioangiol** 23(10):692–5, Oct 75 (Eng. Abstr.) **(Ita)**

[Case of surgical treatment of thromboembolism of the pulmonary artery] Vikulin PN, et al. **Grudn Khir** (3):104–6, May–Jun 75 **(Rus)**

[Thrombectomy from the left atrium in patients with rheumatic mitral stenosis] Kaĭdash AN, et al. **Sov Med** (1):128–32, Jan 76 (Eng. Abstr.) **(Rus)**

[Importance of ergography for determination of the level of limb amputation in obliterating diseases of the peripheral arteries] Platonov ND, et al. **Sov Med** (10):96–100, Oct 75 (Eng. Abstr.) **(Rus)**

[Thrombectomy in acute thrombosis after reconstructive operations on the arteries of the limbs] Krylov VS, et al. **Vestn Khir** 115(12):49–52, Dec 75 (Eng. Abstr.) **(Rus)**

[Thromboendarterectomy of the aorta and renal arteries in vaso-renal hypertension] Pokrovskiĭ AV, et al. **Vestn Khir** 114(9):3–9, Sep 75 (Eng. Abstr.) **(Rus)**

THERAPY

Prolasping thrombosed haemorrhoids: outcome of conservative management. Grace RH, et al. **Br Med J** 3(5979):354, 9 Aug 75

Tributary vein obstruction: pathogenesis and treatment of sequelae. Archer DB. **Doc Ophthalmol** 40(2):339–60, 31 Mar 76

[Possibilities and limits of controlled clinical therapy studies for the demonstration of the effectiveness of antithrombotic therapy] Loo J. **Folia Haematol (Leipz)** 102(2):172–94, 1975 **(Ger)**

[Thrombolysis through ultrasound] Trübestein G, et al. **Verh Dtsch Ges Inn Med** 81:896–8, 1975 **(Ger)**

VETERINARY

Mesenteric thrombosis. Rous RC. **J S Afr Vet Assoc** 46(1):79–80, Mar 75

The histology of cardiac blood clots in chicks exhibiting the 'flip-over' syndrome. Cassidy DM, et al. **Poult Sci** 54(6):1882–6, Nov 75

Aortic-iliac-femoral thrombosis in a horse. Mayhew IG, et al. **Vet Med Small Anim Clin** 70(11):1281–4, Nov 75

Septic thrombosis in a foal. Perce RB, et al. **Vet Med Small Anim Clin** 71(8):1103–7, Aug 76

[Infectious septicemic-thrombosing meningoencephalitis in a feeder-bull unit. III. Therapeutic trials with ampicillin (Binotal)] Scheer M, et al. **Dtsch Tieraerztl Wochenschr** 82(7):267–9, 5 Jul 75 (Eng. Abstr.) **(Ger)**

THROMBOSIS, CORONARY see **CORONARY DISEASE**

THROMBOSIS, VENOUS see **THROMBOPHLEBITIS**

THROMBOSTHENIN see under **BLOOD PROTEINS**

THRUSH see **MONILIASIS, ORAL**

THULIUM

Production of thulium-167 for medical use by irradiation of lutetium, hafnium, tantalum and tungsten with 590-MeV protons. Scholz KL, et al. **Int J Appl Radiat Isot** 27(5–6):263–6, May–Jun 76

Simple construction of a 16970Yb–16969Tm absorber for peak kilovoltage calibration of a diagnostic x-ray machine. Aoki CT. **Radiology** 121(1):221–2, Oct 76

PHARMACODYNAMICS

The effects of lanthanum and thulium on the mechanical responses of rat vas deferens. Swamy VC, et al. **J Physiol (Lond)** 254(1):55–62, Jan 76

THUMB

Osteoarthritis at the base of the thumb. The concept of monoarticular reconstruction. Kessler I, et al. **Acta Orthop Scand** 47(4):361–9, Aug 76

Motor innervation of the flexor pollicis brevis: an electromyographic study. Belson P, et al. **Am J Phys Med** 55(3):122–38, Jun 76

Painful thumb. Jones KG. **J Arkansas Med Soc** 72(6):249–50, Nov 75

Capsulodesis of the metacarpophalangeal joint of the thumb in children with cerebral palsy. Filler BC, et al. **J Bone Joint Surg [Am]** 58(5):667–70, Jul 76

Long standing erythematous scaly plaque on the hand. Kopf AW, et al. **J Dermatol Surg** 1(1):16–8, Apr 75

No evidence for a genetic basis of tongue rolling or hand clasping. Martin NG. **J Hered** 66(3):179–80, May–Jun 75

Letter: Nail down handedness. Pittsley RA, et al. **JAMA** 236(7):819, 16 Aug 76

Use of extensor pollicis longus tendon as a distal extension for an opponens transfer. Kaplan I, et al. **Plast Reconstr Surg** 57(2):186–9, Feb 76

Immobilization of fingers and thumb after flexor tendon surgery: a simple technique. Mangus DJ. **Plast Reconstr Surg** 58(4):510–1, Oct 76

[A new procedure of palliative tendon transfer for opposition paralysis of the thumb (author's transl)] Gosset J. **Ann Chir** 29(12):1065–6, Dec 75 (Eng. Abstr.) **(Fre)**

[Tendovaginitis stenosans of the thumb in childhood] Kadner P. **Kinderaerztl Prax** 43(6):241–2, Jun 75 **(Ger)**

ABNORMALITIES

Anonychia with ectrodactyly. Rahbari H, et al. **Arch Dermatol** 111(11):1482–3, Nov 75

Absence of the pectoralis major, with ipsilateral aplasia of the radius, thumb, hemidiaphragm and lung: an extreme expression of poland anomaly? Frias JL, et al. **Birth Defects** 10(5):55–9, 1974

H—congenital clasped thumbs. Kelly TE. **Birth Defects** 10(5):215–7, 1974

I—triphalangeal thumbs in three sibs. Pierce ER. **Birth Defects** 10(5):218–21, 1974

Polydactyly with triphalangeal thumbs, brachydactyly, camptodactyly, congenital dislocation of the patellas, short stature and borderline intelligence. Say B, et al. **Birth Defects** 12(5):279–86, 1976

L—pfeiffer syndrome. Temptamy S, et al. **Birth Defects** 10(5):229–36, 1974

Adducted thumb syndromes. Fitch N, et al. **Clin Genet** 8(3):190–8, Sep 75

Hydrocephalus and congenital clasped thumbs: a case report with electromyographic evaluation. Holtzman RN, et al. **Dev Med Child Neurol** 18(4):521–4, Aug 76

Unusual congenital anomalies of the thumb extensors. Report of two cases. Kobayashi A, et al. **Hand** 8(1):17–21, Feb 76

Treatment of a case of macrodactyly of the thumb. Rousso M, et al. **Hand** 8(2):131–3, Jun 76

Congenital anomaly of the thumb: absent intrinsics and flexor pollicis longus. Strauch B, et al. **J Bone Joint Surg [Am]** 58(1):115–8, Jan 76

Stub thumbs. Davies AB. **J Med Genet** 12(4):414–6, Dec 75

Distal brachyphalangy of the thumb in mental retardation. Villaverde MM, et al. **J Med Genet** 12(4):401–4, Dec 75

[Aplasia of the thumbs and thrombocytopenia (Fanconi): a clinical, hematological and cytogenetic study of a patient and his family] Ferrier PE, et al. **J Genet Hum** 23 SUPPL:106, Oct 75 **(Fre)**

[Distal symphalangia with humeroradial synostosis, carpal synostosis and brachyphalangia of the thumb. A dominant syndrome (author's transl)] Lenz W, et al. **Z Orthop** 114(2):202–11, Apr 76 (Eng. Abstr.) **(Ger)**

[Letter: Triphalangeal syndrome] Gyenis G, et al. **Orv Hetil** 117(27):1669–70, 4 Jul 76 **(Hun)**

[Triphalangeal syndrome with finger-like thumb] Palásthy G. **Orv Hetil** 116(52):3047–51, 28 Dec 75 **(Hun)**

ANATOMY & HISTOLOGY

The thumb and the saddle. Kuczynski K. **Hand** 7(2):120–22, Jun 75

[Fibrous arch of the adductor muscle of the thumb (musculus Adductor pollicis)] Fischer LP, et al. **Bull Assoc Anat (Nancy)** 59(167):877–83, Dec 75 (Eng. Abstr.) **(Fre)**

[Surgical anatomy of the first osseo-fibrous canal in Quervain's disease] Mikhailenko VV. **Ortop Travmatol Protez** (11):59–61, Nov 75 **(Rus)**

INJURIES

Arthrographic evaluation of injuries of the first metacarpophalangeal joint: gamekeeper's thumb. Resnick D, et al. **Am J Roentgenol** 126(5):1046–52, May 76

Thumb neuroma: a hazard of ten pin bowling. Kisner WH. **Br J Plast Surg** 29(3):225–6, Jul 76

Surgical exposure of the flexor pollicis longus tendon. Bruner JM. **Hand** 7(3):241–5, Oct 75

Bennett's fracture. Harvey FJ, et al. **Hand** 8(1):48–53, Feb 76

Closed acute traumatic rupture of extensor pollicis longus tendon–a report of two cases. Redden JF. **Hand** 8(2):173–5, Jun 76

A rare injury of the thumb similar to degloving. El-Adwar L, et al. **J Bone Joint Surg [Am]** 57(7):998, Oct 75

Evaluation of the two-stage flexor-tendon reconstruction in severely damaged digits. Weinstein SL, et al. **J Bone Joint Surg [Am]** 58(6):786–91, Sep 76

Ulnar collateral ligament injuries of the thumb in athletes. McCue FC 3d, et al. **J Sports Med** 2(2):70–80, Mar–Apr 75

Treatment of 'gamekeeper's thumb' in hockey players. Rovere GD, et al. **J Sports Med** 3(4):147–51, Jul–Aug 75

Thumb length preservation following soft tissue injuries. Bales CR, et al. **J Trauma** 15(10):901–8, Oct 75

Bennett's fracture in general practice. Fisher E. **Med J Aust** 1(13):434–8, 27 Mar 76

Ski pole thumb injury. Browne EZ Jr, et al. **Plast Reconstr Surg** 58(1):17–23, Jul 76

Gamekeeper's thumb. Parikh M, et al. **Plast Reconstr Surg** 58(1):24–31, Jul 76

[Rupture of the ulnar collateral ligament of the metacarpo-phalangeal joint of the thumb] Jensen FB. **Ugeskr Laeger** 138(1):14–7, 29 Dec 75 (Eng. Abstr.) **(Dan)**

[Heterodigital transplantation with local reinnervation] de Coninck A. **Acta Orthop Belg** 41(2):170–6, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Post-traumatic stiffening of the thumb in adduction (author's transl)] Moinet P, et al. **Ann Chir** 29(12):1067–71, Dec 75 (Eng. Abstr.) **(Fre)**

[Post-traumatic stiffening of the thumb in adduction] Moinet P, et al. **Chirurgie** 101(6):402–7, 30 Apr–7 May 75 **(Fre)**

[Severe sprain of the metacarpal cubital lateral ligament of the thumb. 'Game-keeper's thumb'] Dubuc F. **Union Med Can** 105(1):50–2, Jan 76 (Eng. Abstr.) **(Fre)**

[Some aspects concerning the problem of lesions of the ulnar collateral ligament of the thumb (author's transl)] Bäuerle E, et al. **Arch Orthop Unfallchir** 84(1):115–23, 26 Feb 76 (Eng. Abstr.) **(Ger)**

[Closed injuries to capsular and ligamentous structure of MP I joint—diagnosis and treatment (author's transl)] Wirth CJ. **Arch Orthop Unfallchir** 84(1):105–14, 26 Feb 76 (Eng. Abstr.) **(Ger)**

[Ligament injuries to the thumb joint] Fritz G, et al. **Monatsschr Unfallheilkd** 78(6):263–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Problems in Bennett's fracture] Gay B, et al. **Monatsschr Unfallheilkd** 78(10):445–52, Oct 75 (Eng. Abstr.) **(Ger)**

[Successful reimplantation of a completely separated thumb (author's transl)] Biemer E, et al. **Munch Med Wochenschr** 118(22):711–12, 28 May 76 (Eng. Abstr.) **(Ger)**

[Subcataneous spontaneous rupture of the long thumb extensor tendon (author's transl)] Stöberl F. **Unfallheilkunde** 79(7):323–5, Jul 76 (Eng. Abstr.) **(Ger)**

[Rupture of the ulnar collateral ligament of the thumb. More than a sprained finger?] Johansen O. **Tidsskr Nor Laegeforen** 96(11):632–3, 20 Apr 76 (Eng. Abstr.) **(Nor)**

INNERVATION

Variations in the nerves of the thumb and index finger. Wallace WA, et al. **J Bone Joint Surg [Br]** 57(4):491–4, Nov 75

[Innervation anomalies of the thenar muscles (author's transl)] Neundörfer B, et al. **Dtsch Med Wochenschr** 101(8):283–5, 20 Feb 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The properties of the human muscle servo. Merton PA. **Brain Res** 71(2–3):475–8, 17 May 74

Functional differentiation of motor units in human opponens pollicis muscle. Gydikov A, et al. **Exp Neurol** 50(1):36–47, Jan 76

[The problem of normal stability of the trapeziometacarpal joint] Adler H. **Handchirurgie** 7(3):115–6, 1975 (Eng. Abstr.) **(Ger)**

[Experimental and clinical studies of electric potentials of the brain associated with movement—II. Bilateral simultaneous hand movement and significance of the component PI] Shibasaki H, et al. **Clin Neurol (Tokyo)** 14(11):850–4, Nov 74 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of electric potentials of the brain associated with movement—I. Components of electric potentials of the brain associated with unilateral hand movement] Shibasaki H, et al. **Clin Neurol (Tokyo)** 14(11):844–9, Nov 74 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Spontaneous recovery of the thumb twitch from neuromuscular block by suxamethonium in anaesthetized man. Lee C, et al. **Br J Anaesth** 48(2):91–5, Feb 76

Proceedings: The effect of lesions in the internal capsule and the sensorimotor cortex on servo action in the human thumb. Adam J, et al. **J Physiol (Lond)** 254(1):27P–28P, Jan 76

SURGERY

The dubiousness of grafting the dispensable flexor pollicis longus. Kilgore ES Jr, et al. **Am J Surg** 132(2):292–6, Aug 76

Dorsal thumb flap for release of adduction contracture of the first web space. Strauch B. **Bull Hosp Joint Dis** 36(1):34–9, Apr 75

Cross-arm double flap in the repair of severe adduction contracture of the thumb. Bonola A, et al. **Hand** 7(3):287–90, Oct 75

Cross-arm double flap in the repair of severe adduction contracture of the thumb. Bonola A, et al. **Hand** 7(3):287–90, Oct 75

Surgical exposure of the flexor pollicis longus tendon. Bruner JM. **Hand** 7(3):241–5, Oct 75

The by-pass operation for arthritis at the first carpometacarpal joint. Harrison SH. **Hand** 8(2):145–9, Jun 76

Combined double Z-plasty and Y-V advancement for thumb web contracture. Hirshowitz B, et al. **Hand** 7(3):291–3, Oct 75

Combined double Z-plasty and Y-V advancement for thumb web contracture. Hirshowitz B, et al. **Hand** 7(3):291–3, Oct 75

Hallux-to-hand transfer. O'Brien BM, et al. **Hand** 7(2):128–33, Jun 75

Composite groin flap with iliac-bone flap for primary thumb reconstruction. Case report. Finseth F, et al. **J Bone Joint Surg [Am]** 58(1):130–2, Jan 76

Instability of the metacarpophalangeal joint of the thumb. Reconstruction of the collateral ligaments using the extensor pollicis brevis tendon. Sakellarides HT, et al. **J Bone Joint Surg [Am]** 58(1):106–12, Jan 76 (21 ref.)

The neurovascular island flap for defective sensibility of the thumb. Krag C, et al. **J Bone Joint Surg [Br]** 57(4):495–9, Nov 75

Thumb reconstruction in the severely burned hand. Pohl AL, et al. **Plast Reconstr Surg** 57(3):320–8, Mar 76

[Surgical technic for the repair of ligaments in the post-traumatic instability of trapezo-metacarpal articulation of the thumb] Messina A. **Acta Orthop Belg** 41(6):684–8, 1975 **(Fre)**

[A method of palliative tendon transposition in the paralysis of opposition of the thumb] Gosset J. **Chirurgie** 101(8):556–7, 11–25 Jun 75 (Eng. Abstr.) **(Fre)**

[The hypermobile skin- and soft-tissue tube in thumb reconstruction] Heinz C. **Handchirurgie** 7(4):153–4, 1975 (Eng. Abstr.) **(Ger)**

[Alloplasty in rhizarthrosis of the thumb] Mannerfelt L, et al. **Z Orthop** 113(4):498, Aug 75 **(Ger)**

[Treatment of thumb injuries with a neurovascular island flap] Tsur H, et al. **Harefuah** 90(2):58–60, 15 Jan 76 (Eng. Abstr.) **(Heb)**

[Reimplantation of the thumb] Kus' G. **Ortop Travmatol Protez** (11):49–50, Nov 75 **(Rus)**

THUMBSUCKING see FINGERSUCKING

THYME

[Wates of the herb, thyme, as a source for obtaining a preparation with hypocholestermic action] Simonian AV, et al. **Farmatsiia** 24(5):72–3, Sep–Oct 75 **(Rus)**

THYMECTOMY

Connective tissue alterations following neonatal thymectomy. VI. Calcium histochemical, growth-dynamical and thermoanalytical investigations on bone tissue of thymectomized rats. Mándi B, et al. **Acta Morphol Acad Sci Hung** 23(1):59–69, 1975

Influence of maternal thymectomy on development of the offspring in the rat. Csaba G, et al. **Acta Paediatr Acad Sci Hung** 16(3–4):243–8, 1975

Antibody production in different terms after thymectomy of adult guinea-pigs. Kosarov I, et al. **Agressologie** 16 Spec No C:19–23, 1975

Quantitative studies of lymphocytes and other cell populations in the bone marrow of neonatally thymectomized C3H mice. Miller SC, et al. **Anat Rec** 184(3):325–33, Mar 76

Anesthesia for transcervical thymectomy in myasthenia gravis. Girnar DS, et al. **Anesth Analg (Cleve)** 55(1):13–7, Jan–Feb 76

Suppressor lymphocytes in myasthenia gravis and effect of adult thymectomy. Birnbaum G, et al. **Ann NY Acad Sci** 274:527–35, 1976

Long-term prednisone followed by thymectomy in myasthenia gravis. Mann JD, et al. **Ann NY Acad Sci** 274:608–22, 1976

Thymectomy in myasthenia gravis: pathologic, clinical, and electrophysiologic correlations. Papatestas AE, et al. **Ann NY Acad Sci** 274:555–73, 1976 (62 ref.)

Transcervical thymectomy: an integral part of neck exploration for hyperparathyroidism. Freeman JB, et al. **Arch Surg** 111(4):359–64, Apr 76

Thymectomy for myasthenia gravis. Farnsworth A, et al. **Aust NZ J Surg** 46(2):170–3, May 76

The influence of thymectomy on Rous sarcoma regression. Cotter PF, et al. **Avian Dis** 20(1):75–8, Jan–Mar 76

Murine leukaemia virus expression in the AKR following thymectomy. Tuffrey M, et al. **Br J Cancer** 32(4):465–70, Oct 75

Letter: Early thymectomy for myasthenia gravis. Grimshaw

C. **Br Med J** 4(5987):40–1, 4 Oct 75
Letter: Early thymectomy for myasthenia gravis. Lange MJ. **Br Med J** 4(5991):284, 1 Nov 75
In vitro spleen leucocyte migration and phytohaemagglutinin-stimulated lymphocyte transformation of immunosuppressed mice cells. II. Cells from mice treated by azathioprine and/or immune stimulation or thymectomy. House AK, et al. **Clin Exp Immunol** 17(1):189–98, May 74
In vitro spleen leucocyte migration and phytohaemagglutinin-stimulated lymphocyte transformation of immunosuppressed mice cells. I. Cells from mice treated by thymectomy and/or rabbit anti-mouse lymphocyte serum. House AK, et al. **Clin Exp Immunol** 17(1):179–87, May 74
Metastatic growth of human tumour xenografts in thymectomised irradiated micr reconstituted with syngeneic bone marrow cells. Franks CR, et al. **Eur J Cancer** 11(9):619–22, Sep 75
The effect of thymectomy on the competitive potential of C57BL/6 bone marrow graft. Volf D, et al. **Exp Hematol** 4(4):201–8, Jul 76
The role of a thymus humoral factor in the proliferation of bone marrow CFU-S from thymectomized mice. Zipori D, et al. **Exp Hematol** 3(6):389–98, Nov 75
Immunological decay in thymectomized infants. Rubinstein A, et al. **Helv Paediatr Acta** 30(4–5):425–33, Jan 76
The relationship between the histopathology of the thymus gland and the effect of thymectomy in myasthenia gravis. pp. 517–21. Oosterhuis HJ.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.
Effect of thymectomy and antilymphocyte serum on Mycobacterium leprae infection in mice. Fieldsteel AH, et al. **Infect Immun** 12(4):733–7, Oct 75
Effect of neonatal thymectomy on experimental subacute sclerosing panencephalitis in adult hamsters. Johnson KP, et al. **Infect Immun** 12(6):1464–9, Dec 75
The effect of thymectomy at different stages of larval development on the immune response of the clawed toad to sheep erythrocytes. Horton JD, et al. **J Exp Zool** 196(2):243–9, May 76
The course of Schistosoma mansoni infection in thymectomized rats. Cioli D, et al. **J Immunol** 117(1):59–65, Jul 76
Age-associated involution of cellular immune function. I. Accelerated decline of mitogen reactivity of spleen cells in adult thymectomized mice. Pachciarz JA, et al. **J Immunol** 116(4):982–8, Apr 76
Evaluation of results of thymectomy in myasthenia gravis. Emeryk B, et al. **J Neurol** 211(2):155–68, 14 Jan 76
Leucocyte migration inhibition in myasthenia gravis. The effect of thymectomy. Kawanami S, et al. **J Neurol** 213(1):33–40, 15 JUL 76
Myasthenia gravis: clinical and histological features in relation to thymectomy. Sambrook MA, et al. **J Neurol Neurosurg Psychiatry** 39(1):38–43, Jan 76
Letter: Myasthenia gravis; thymic histology and response to thymectomy. Vetters JM. **J Neurol Neurosurg Psychiatry** 39(2):201–2, Feb 76
The fine structure of the reticulum cells in lymph-nodes from cyclophosphamide-treated thymectomised mice. Carr I, et al. **J Pathol** 117(2):119–22, Oct 75
Changes in the migration patterns of spleen and lymph node cells associated with thymectomy and aging. Gillete RW. **J Reticuloendothel Soc** 18(3):204–8, Sep 75
Enodotoxin-induced non-specific resistance to Trypanosoma equiperdum in neonatally thymectomized or splenectomized Wistar rats. Fachet J, et al. **Keio J Med** 24(4):347–53, Dec 75
Human renal allotransplantation and thymectomy. Nakamura H, et al. **Keio J Med** 24(4):407–14, Dec 75
Influence of thymectomy on leukocyte migration inhibition test in myasthenia gravis and ulcerative colitis. Oda Y, et al. **Keio J Med** 24(4):289–96, Dec 75
Effect of neonatal thymectomy on follicle numbers in the post-natal mouse ovary. Lintern-Moore S, et al. **Mech Ageing Dev** 5(4):235–9, Jul-Aug 76
Electrophysiologic evaluations of thymectomy in myasthenia gravis. Preliminary findings. Horowitz SH, et al. **Neurology (Minneap)** 26(7):615–9, Jul 76
Studies in myasthenia gravis. Pyridostigmine-C14 metabolism after thymectomy. Kornfeld P, et al. **Neurology (Minneap)** 25(10):998–9, Oct 75
Nitrosomethylurea-induced lymphomas in thymectomized mice, in relation to thymus-dependent and independent systems. Palestro G, et al. **Oncology** 31(2):115–22, 1975
Tumour metastasis in mice with reduced immune reactivity. IV. Restoration of relative resistance to metastasis formation in thymectomized sub-lethally irradiated mice by spleen cells. Suurküla M, et al. **Pathol Eur** 10(4):299–305, 1975
Thymectomy for myasthenia gravis. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 10(2):183–8, 1976
Long-term administration of corticosteroids followed by thymectomy. Mann JD, et al. **Trans Am Neurol Assoc** 100:63–8, 1975
The Plasmodium berghei-infection in isogenic F1 (C57B1 x DBA)- mice. III. neonatal thymectomy and cell transfer experiments. Seitz HM. **Tropenmed Parasitol** 27(2):197–201, Jun 76
Surgical treatment of myasthenia by thymectomy. Rzepecki W, et al. **Z Erkr Atmungsorgane** 142(3):277–83, Mar 75 (Eng. Abstr.)
[Immune changes in adult guinea pigs at different periods following thymectomy] Kemileva Z, et al. **Eksp Med Morfol** 11(1):9–13, 1972 (Eng. Abstr.) **(Bul)**
[Experimental arthritis in thymectomized rats (a pathomorphologic study)] Markov D, et al. **Eksp Med Morfol** 13(2):83–9, 1974 (Eng. Abstr.) **(Bul)**
[Changes in the monoamine oxidase activity of neonatally thymectomized rats with experimental myocarditis and arthritis] Uzunova A, et al. **Eksp Med Morfol** 13(2):78–83, 1974 (Eng. Abstr.) **(Bul)**
[Changes in serum proteins in thymectomized rats with experimental myocarditis and arthritis] Velikov K. **Eksp Med Morfol** 11(1):14–7, 1972 (Eng. Abstr.) **(Bul)**
[A clinico-immunologic study of myasthenia gravis patients treated by thymectomy] Dimitrov D, et al. **Khirurgiia (Sofiia)** 27(4):261–6, 1974 (Eng. Abstr.) **(Bul)**
[Effect of thymic humoral factor (THF) in neonataly thymectomized and splenectomized mice (author's transl)] Springer O, et al. **Lijec Vjesn** 98(2):131–8, Mar 76 (Eng. Abstr.) **(Cro)**
[Role of thymic humoral faktor (THF) in hemopoietic tissues and effect of thf in neonatally thymectomized mice (author's transl)] Springer O, et al. **Lijec Vjesn** 98(2):67–76, Feb 76 (Eng. Abstr.) **(Cro)**
[Modifications in time of the electrocardiogram by sensitization of adult guineau pigs either thymectomized or not] Tzekov T, et al. **Agressologie** 16(2):85–8, 1975 (Eng. Abstr.) **(Fre)**
[Surgery of the thymus] Duranceau A, et al. **Union Med Can** 104(4):565–9, Apr 75 (Eng. Abstr.) **(Fre)**
[Myasthenia gravis: surgical treatment with thymectomy (author's transl)] Wolff H, et al. **Z Erkr Atmungsorgane** 142(3):290–3, Mar 75 (Eng. Abstr.) **(Ger)**
[Thymectomy in myasthenia gravis (author's transl)] Havia T, et al. **Zentralbl Chir** 101(10):597–601, 1976 (Eng. Abstr.) **(Ger)**
[Anti - thymus therapy and the pathogenesis of myasthenia (author's transl)] Cazzato G. **Riv Patol Nerv Ment** 95(4):411–26, Aug 74 (Eng. Abstr.) **(Ita)**
[Follow-up study of the result of thymectomy in myasthenia gravis] Masaoka A, et al. **J Jpn Assoc Thorac Surg** 23(10):1210–7, Oct 75 (Eng. Abstr.) **(Jpn)**
[Thymectomy for myasthenia gravis—follow-up studies and immunologic analysis] Kuroshima S, et al. **Jpn J Thorac Surg** 28(10):685–91, 1 Oct 75 (Eng. Abstr.) **(Jpn)**
[Results of surgical treatment of myasthenia] Guzowski K, et al. **Wiad Lek** 29(7):581–4, 1 Apr 76 (Eng. Abstr.) **(Pol)**
[Antituberculosis immunity in adult thymectomized mice] Averbakh MM, et al. **Biull Eksp Biol Med** 81(6):719–21, Jun 76 (Eng. Abstr.) **(Rus)**
[Effect of early thymectomy on the growth of transplanted mammary gland tumors developing in mouse line C3Hf] Videlets II, et al. **Biull Eksp Biol Med** 81(6):721–3, Jun 76 (Eng. Abstr.) **(Rus)**
[Influence of thymectomy on the level of histamine in the tissues of rats in experimental myocarditis and arthritis] Kemileva Z, et al. **Patol Fiziol Eksp Ter** (4):63–7, Jul-Aug 75 (Eng. Abstr.) **(Rus)**
[Restoration of antibody synthesis by means of thymus extract in neonatally thymectomized animals] Giulling EV, et al. **Probl Endokrinol (Mosk)** 21(4):98–101, Jul-Aug 75 (Eng. Abstr.) **(Rus)**
[The effect of late thymectomy and thymosin on the quantity of antibody forming cells in the spleen and lymph nodes of guinea pigs] Chebotarev VF. **Zh Mikrobiol Epidemiol Immunobiol** (5):126–8, May 76 (Eng. Abstr.) **(Rus)**
[Digestion and absorption of food substances by patients with the generalized form of myasthenia] Smakov GM. **Zh Nevropatol Psikhiatr** 75(10):1489–95, 1975 **(Rus)**
[Late tissue reactions in bone-cartilage transplantation into thymectomized and non-thymectomized rats] Markov D, et al. **Zh Ushn Nos Gorl Bolezn** (6):40–5, Nov-Dec 75 (Eng. Abstr.) **(Rus)**
[Total thymectomy in the treatment of myasthenia gravis: clinical results in 24 patients (author's transl)] Ferrer S, et al. **Rev Med Chil** 103(6):391–7, Jun 75 (Eng. Abstr.) **(Spa)**
[Total thymectomy in the treatment of myasthenia gravis: surgical experience in 29 patients (author's transl)] Lira E. **Rev Med Chil** 103(6):398–400, Jun 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Depigmentation of vitiliginous appearance in 'nude' mice. pp. 227–33. Thivolet J, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.
Prevention of postthymectomy autoimmune thyroiditis in mice. Kojima A, et al. **Lab Invest** 34(6):601–5, Jun 76
Spontaneous development of autoimmune thyroiditis in neonatally thymectomized mice. Kojima A, et al. **Lab Invest** 34(6):550–7, Jun 76

METHODS

Letter: Early thymectomy for myasthenia gravis. Kark AE. **Br Med J** 3(5983):593–4, 6 Sep 75
Distribution of thymic tissue at the anterior mediastinum. Current procedures in thymectomy. Masaoka A, et al. **J Thorac Cardiovasc Surg** 70(4):747–54, Oct 75
[Thymectomy by cervical route] Levasseur P, et al. **Nouv Presse Med** 4(36):2591–3, 25 Oct 75 **(Fre)**
[Thymectomy in myasthenia gravis (author's transl)] Gschnitzer F. **Z Erkr Atmungsorgane** 142(3):284–9, Mar 75 (Eng. Abstr.) **(Ger)**
[Distribution of the thymic tissue in the anterior mediastinum--studies on the methods of thymectomy] Masaoka A, et al. **J Jpn Assoc Thorac Surg** 23(8):1016–21, Aug 75 (Eng. Abstr.) **(Jpn)**
[Thymectomy in the treatment of myasthenia] Rzepecki W, et al. **Pol Przegl Chir** 47(7):881–6, Jul 75 (Eng. Abstr.) **(Pol)**
[Technic of thymectomy in adult and newborn mice] Galkin IuM, et al. **Eksp Khir Anesteziol** (3):26–7, May-Jun 75 (Eng. Abstr.) **(Rus)**

THYMIC GROUP VIRUSES see **MOUSE LEUKEMIA VIRUSES**

THYMIDINE

Thymidine labelling of epidermal melanocytes in UV-irradiated skin. Rosdahl IK, et al. **Acta Derm Venereol (Stockh)** 56(2):159–61, 1976
Reaction of uracil and thymine derivatives with sodium bisulfite. Studies on the mechanism and reduction of the adduct. Shapiro R, et al. **Biochim Biophys Acta** 425(1):115–24, 18 Feb 76
Carbon-13 magnetic resonance spectra of nucleosides and their Pd(II) complexes. Nelson DJ, et al. **Bioinorg Chem** 5(4):353–8, 1976
A two emulsion autoradiographic technique and the discrimination of the three different types of labelling after double labelling with 3H- and 14C-thymidine. Schultze B, et al. **Cell Tissue Kinet** 9(3):245–55, May 76
[Nucleosides and nucleotides. Part 8. Synthesis of dinucleotides with thymidine and 1-(deoxy-beta-D-ribofuranosyl)-2(1H)-pyridone as building blocks] Gregor I, et al. **Helv Chim Acta** 58(3):712–38, 23 Apr 75 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Biochemical classification of herpes simplex virus types 1 and 2, and of intermediate strains on the basis of different susceptibilities of thymidine kinase to thymidine analogues. Just I, et al. **Acta Virol (Praha)** 20(1):31–9, Feb 76
Synthesis and biological activity of some novel analogues of thymidine. Cheng YC, et al. **Ann NY Acad Sci** 255(751106–751230–2):332–41, 8 Aug 75
On the molecular mechanism of the antiviral activity of trifluorothymidine. Heidelberger C. **Ann NY Acad Sci** 255(751106–751230–2):317–25, 8 Aug 75
Studies on the ribothymidine content of specific rat and human tRNAs: a postulated role for 5-methyl cytosine in the regulation of ribothymidine biosynthesis. Roe BA, et al. **Biochem Biophys Res Commun** 68(4):1339–47, 23 Feb 76
Growth inhibition of cells in cultures and of vaccinia virus infected HeLa cells by derivatives of trifluorothymidine. Parkhurst JR, et al. **Chemotherapy** 22(3–4):221–31, 1976
Morphogenic effects of halogenated thymidine analogues on Drosophila. VI. Causal analysis of bromodeoxyuridine induced growth lesions. Rizki RM, et al. **Differentiation** 3(1–3):133–42, 11 Aug 75
Successful therapy of herpes hominis keratitis in rabbits by 5-iodo-5'-amino-2'5'-dideoxyuridine (AIU): a novel analog of thymidine. Albert DM, et al. **Invest Ophthalmol** 15(6):470–8, Jun 76
Clinical evaluation of adenine arabinoside and trifluorothymidine in the treatment of corneal ulcers caused by herpes simplex virus. Coster DJ, et al. **J Infect Dis** 133 Suppl:A173–7, Jun 76
Synthesis and antiviral activity of 5- and 5'-substituted thymidine analogs. Lin TS, et al. **J Med Chem** 19(4):495–8, Apr 76
Clastogenic activity of cytosine arabinoside and 3'-deoxy-3'-fluorothymidine in Ehrlich ascites tumour cells in vitro. Wobus AM. **Mutat Res** 40(2):101–6, Apr 76
[Separation of the four diastereoisomers of 6-hydroxy-5, 6-dihydrothymidine formed by gama-radiolysis of thymidine in deaerateed aqueous solution (author's transl)] Cadet J, et al. **J Chromatogr** 115(1):191–4, 10 Dec 75 (Eng. Abstr.) **(Fre)**
[Study of the inhibiting action of fluorinated thymidine analogs on herpes virus reproduction (author's transl)] Bikbulatov RM, et al. **Vopr Virusol** (5):625–6, Sept-Oct 75 **(Rus)**

ANTAGONISTS & INHIBITORS

Identification of the inhibitor of labelled thymidine incorporation into HeLa cell DNA present in endometrial extract. Chevalier S, et al. **Eur J Cancer** 11(9):657–67, Sep 75

BLOOD

Measurement of the immune response to an allograft: amino acid incorporation by peripheral white blood cells in man. Blamey RW, et al. **Br J Surg** 62(11):863–7, Nov 75
Incorporation of 14C-thymidine in human platelets: possible relation with a diffuse infection of micrococci in the L form. Tedeschi GG, et al. **Ital J Biochem** 24(2):102–18,

Mar–Apr 75

DIAGNOSTIC USE

Tritiated thymidine labeling index of benign and malignant human breast epithelium. Meyer JS, et al. **J Surg Oncol** 8(2):165–81, 1976

METABOLISM

Inhibitory effect of prostaglandin E2 on the incorporation of 3H–thymidine into the DNA of thymus cells. Tóth M, et al. **Acta Biochim Biophys Acad Sci Hung** 10(3):161–9, 1975

Preferential incorporation of 3H–deoxycytidine into chicken bursal cells. Comparison of radiolabelled nucleosides as lymphoid cell markers in chickens and mice. Bäck R, et al. **Acta Pathol Microbiol Scand [A]** 83(5):534–8, Sep 75

In vivo and in vitro 3H–thymidine incorporation into bone marrow cells of mice irradiated with 200 R. Lipski S, et al. **Acta Physiol Pol** 26(5):499–505, Sep–Oct 75

Labelling of murine epidermal Langerhans cells with H3–thymidine. Mackenzie IC. **Am J Anat** 144(2):127–36, Oct 75

Uptake of exogenous metabolites by virus–transformed cells: changes induced by temperature and pH. Bader JP, et al. **Arch Biochem Biophys** 175(1):196–208, Jul 76

Detection of possible heteroduplexes in somatic Chinese hamster cells DNA by molecular autoradiography. Rommelaere J, et al. **Arch Biol (Liege)** 86(3):323–32, 1975

Proceedings: Uptake of bacterial DNA by synchronized cells. Charles P, et al. **Arch Int Physiol Biochim** 84(1):143, Feb 76

Uptake of [3H] thymidine and cell DNA synthesis during the early multiplication phase of herpesvirus hominis in BHK cells. Bittlingmaier K, et al. **Biochim Biophys Acta** 407(4):384–91, 4 Nov 75

The effect of normal spleen cells on 3H–thymidine uptake by target cells in vitro. Nyssen J, et al. **Br J Exp Pathol** 56(3):223–30, Jun 75

Neuronal stimulation of (3H)thymidine incorporation by primary cultures of highly purified non–neuronal cells. McCarthy KD, et al. **Brain Res** 114(3):415–26, 24 Sep 76

Isotope–dilution studies of the effects of 5–fluorodeoxyuridine and hydroxyurea on the incorporation of deoxycytidine and thymidine by cultured thymus cells. Scott FW, et al. **Can J Biochem** 54(3):238–48, Mar 76

Incorporation of thymidine and iododeoxyuridine into the DNA of mouse tissues. Myers DK, et al. **Can J Physiol Pharmacol** 53(6):1014–22, Dec 75

Enhanced incorporation of thymidine into DNA in the liver of intact and partially hepatectomized rats pretreated with 5–azacytidine. Cihák A, et al. **Cancer Res** 36(1):37–42, Jan 76

Nuclear incorporation of radioactive DNA precursors and progression of cells through S. Combined radioautographic and cytophotometric studies on normal and leukaemic bone marrow and thoracic duct lymph cells of man. Hirt A, et al. **Cell Tissue Kinet** 8(5):455–66, Sep 75

DNA turnover and thymidine re–utilization in mouse tissues. Myers DK, et al. **Cell Tissue Kinet** 9(3):215–21, May 76

Stimulated DNA synthesis in livers and kidneys induced to proliferate associated with unchanged thymidine and thymidylate kinase activities. Cihák A, et al. **Chem Biol Interact** 13(2):141–9, May 76

Dynamics of thymidine incorporation by spleen cells from rats infected with Plasmodium berghei. Golenser J, et al. **Clin Exp Immunol** 22(2):364–71, Nov 75

Incorporation of 3H–thymidine in stratum germinativum of epidermis in the toad Bufo bufo bufo (L): an autoradiographic study of moulting cycle and diurnal variations. Jørgensen CB, et al. **Comp Biochem Physiol [A]** 52(1):55–8, 1 Sep 75

Tritiated thymidine uptake in pig skin. Comparison of in vivo and in vitro techniques. Jurnovoy JB, et al. **Dermatologica** 150(2):92–95, 1975

Differential permeability of murine visceral yolk sac to thymidine and to hydroxyurea. Miller SA, et al. **Dev Biol** 45(1):74–80, Jul 75

Effect of estradiol on the early incorporation of (3H) thymidine into uterine DNA on immature mouse. Tsong YY, et al. **Endocr Res Commun** 2(8):571–86, 1975

A direct effect of testosterone on muscle cells in tissue culture. Powers ML, et al. **Endocrinology** 97(4):1043–7, Oct 75

Effect of platinum and palladium salts on thymidine incorporation into DNA of rat tissues. Fisher RF, et al. **Environ Health Perspect** 12:57–62, Dec 75

An inhibitory effect of thymidine on its own conversion to nucleotide in Escherichia coli. Hosono R, et al. **Eur J Biochem** 57(1):177–9, 1 Sep 75

The effect of Fv–2 gene on the incorporation of thymidine in the mouse spleen. Mitani S, et al. **Eur J Cancer** 11(9):649–55, Sep 75

Transport of thymidine during the cell cycle in mitotically synchronized CHO cells. Hopwood LE, et al. **Exp Cell Res** 96(2):425–9, Dec 75

Thymidine uptake by developing sea urchin embryos. Ledebur–Villiger M. **Exp Cell Res** 96(2):344–50, Dec 75

Uridine as an inhibitor of thymidine utilization and DNA synthesis in L cells with impeded function of thymidylate synthetase. Zeuthen E, et al. **Exp Cell Res** 98(1):57–62, 1 Mar 76

Endotoxin–induced vascular endothelial injury and repair. II. Focal injury, en face morphology, (3H)thymidine uptake and circulating endothelial cells in the dog. Gerrity RG, et al. **Exp Mol Pathol** 24(1):59–69, Feb 76

The solubility properties of granulopoiesis inhibiting factor. Paukovits WR, et al. **Experientia** 31(11):1357–9, 15 Nov 75

Thymidine labelling index as a criterion of aging in vitro. Cristofalo VJ. **Gerontology** 22(1–2):9–27, 1976

Examples of internal contamination by tritium–thymidine having short half–lives. Nishizawa K. **Health Phys** 29(2):348–9, Aug 75

The labelling of peripheral blood lymphocytes of the mouse with [3H]thymidine. Harris G. **Immunology** 29(3):469–76, Sep 75

Oligothymidylic acid tracts in mouse DNA. pp. 199–203. Mansbridge JN, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**

Incorporation and uptake of thymidine and uridine by HeLa cells: effect of DNA extracts prepared from normal human fibroblasts. Ashkenazi–Ezra R, et al. **In Vitro** 12(6):442–9, Jun 76

DNA replication in polytene chromosomes of Drosophila pseudoobscura: new facts & their implications. Chatterjee SN, et al. **Indian J Exp Biol** 13(5):452–9, Sep 75

Inhibition of 3H–thymidine incorporation into human lymphocytes by dialyzable material of streptokinase–streptodornase. Kuroume T, et al. **Int Arch Allergy Appl Immunol** 50(4):402–15, 1976

Increased thymidine uptake by methylcholanthrene–treated C3H/10T1/2 cells. Bairstow F, et al. **Int J Cancer** 16(3):370–5, 15 Sep 75

Circadian periodicity of H3–thymidine uptake in the hamster respiratory tract. Kmoch N, et al. **Int J Chronobiol** 3(1):63–6, 1975

Incorporation of tritiated thymidine of high specific activity into DNA of the mouse oocyte. Hurst PR. **Int J Radiat Biol** 28(5):447–52, Nov 75

Regulation of thymidine metabolism in Neurospora crassa. Griswold WR, et al. **J Bacteriol** 125(3):1040–7, Mar 76

Utilization of exogenous thymidine by Chlamydia psittaci growing in the thymidine kinase–containing and thymidine kinase–deficient L cells. Hatch TP. **J Bacteriol** 125(2):706–12, Feb 76

Production of cells without deoxyribonucleic acid during thymidine starvation of lexA– cultures of Escherichia coli K–12. Howe WE, et al. **J Bacteriol** 124(3):1113–21, Dec 75

Thymidine uptake and utilization in Escherichia coli: a new gene controlling nucleoside transport. McKeown M, et al. **J Bacteriol** 126(2):814–22, May 76

Double labeling with [3H]thymidine and [125I]iododeoxyuridine as a method for determining the fate of injected DNA and cells in vivo. Myers DK, et al. **J Cell Biol** 67(2PT.1):484–8, Nov 75

Differences in the incorporation of thymidine into DNA of normal and cystic fibrosis fibroblasts in vitro. Barranco SC, et al. **J Cell Physiol** 88(1):33–41, May 76

Incorporation of thymidine and iodeoxyuridine in mammalian cells in vitro. Myers DK, et al. **J Cell Physiol** 86 Suppl 2(3 Pt 2):621–33, Dec 75

Transport and countertransport of thymidine in ATP depleted and thymidine kinase–deficient Novikoff rat hepatoma and mouse L cells: evidence of a high Km facilitated diffusion system with wide nucleoside specificity. Plagemann PG, et al. **J Cell Physiol** 89(1):1–18, Sep 76

Failure of tritiated thymidine incorporation into DNA to reflect the autoradiographically demonstrable calcium–induced increase in thymic lymphoblast DNA synthesis. Youdale T, et al. **J Cell Physiol** 86(3 Pt 1):495–502, Dec 75

Comparison of uridine uptake at 24 hours with thymidine uptake at 72 hours in phytohaemagglutinin–stimulated cultures of pregnant and other subjects. Blecher TE, et al. **J Clin Pathol** 29(8):727–31, Aug 76

Mitotic activity and nucleic acid precursor incorporation in denervated and innervated limb stumps of axolotl larvae. Tassava RA, et al. **J Exp Zool** 195(2):253–62, Feb 76

Herpes simplex virus specified deoxypyrimidine kinase and the uptake of exogenous nucleosides by infected cells. Jamieson AT, et al. **J Gen Virol** 31(3):303–14, Jun 76

Inhibition of thymidine uptake by staphylococci, a new method for the investigation of phagocytosis. Foroozanfar N, et al. **J Immunol Methods** 11(3–4):345–53, 1976

The effect of MSH on thymidine incorporation by keratinocytes in the epidermal melanin unit. Erickson KL, et al. **J Invest Dermatol** 66(6):367–70, Jun 76

Uptake of amino acids and thymidine during the first cell cycle of synchronized hamster cells. Bhargava PM, et al. **J Membr Biol** 26(1):1–17, 17 Feb 75

Effects of cycloheximide on thymidine metabolism and on DNA strand elongation in physarum polycephalum. Evans HH, et al. **J Mol Biol** 104(1):169–84, 14 Jun 76

The effect of co–trimoxazole on thymidine uptake by transforming human lymphocytes in vitro. Rogers HJ, et al. **J Pharm Pharmacol** 28(4):328–9, Apr 76

Serum proteins promoting [3H]thymidine uptake by Trypanosoma (Schizotrypanum) cruzi (Chagas) in vitro. O'Daly JA. **J Protozool** 22(4):550–5, Nov 75

Changes in pyrimidine metabolism of rat lymphocytes cultured with PHA. Tsutsui I, et al. **J Reticuloendothel Soc** 18(2):87–96, Aug 75

Selective modification of cell surface proteins and thymidine transport in hamster cells exposed to cholera toxin. Rieber M, et al. **J Supramol Struct** 4(1):127–32, 1976

Chloramphenicol–a possible role in the treatment of leukaemia? Schwarz MA, et al. **Med J Aust** 1(19):687–90, 8 May 76

Comparison of the effect of nalidixic acid and thymine deprivation on excision repair in Escherichia coli. Mašek F, et al. **Neoplasma** 22(2):147–56, 1975

Incorporation of (3H)thymidine into brain DNA after cerebellar damage. Reinis S. **Pediatr Res** 9(11):807–11, Nov 75

A model for compartmentation of de novo and salvage thymidine nucleotide pools in mammalian cells. Kuebbing D, et al. **Proc Natl Acad Sci USA** 72(9):3333–6, Sep 75

Distribution of 5–bromodeoxyuridine and thymidine in the DNA of developing chick cartilage. Strom CM, et al. **Proc Natl Acad Sci USA** 73(4):1019–23, Apr 76

Cell killing by gamma rays and beta particles from tritiated water and incorporated tritiated thymidine. Bedford JS, et al. **Radiat Res** 63(3):531–43, Sep 75

In vivo labeling effectiveness of tritiated thymidine of high and low specific activities in rabbits. Dannenberg AM Jr, et al. **Radiat Res** 67(1):98–103, Jul 76

14C–thymidine release assay: a new test for the study of surface determinants on activated lymphocytes. Schirrmacher V, et al. **Tissue Antigens** 7(3):183–6, Mar 76

[Incorporation of tritiated thymidine into DNA of rat liver: a critique of various evaluation methods] Berneman A, et al. **Biochimie** 57(6–7):773–7, 1975 (Eng. Abstr.) **(Fre)**

[Electron microscopic identification of thymidine–incorporating cells in a population with a low turnover rate. Application to deep lung cells] Fritsch P, et al. **C R Acad Sci [D] (Paris)** 281(15):1105–8, 13 Oct 75 (Eng. Abstr.) **(Fre)**

[Incorporation of 3H–thymidine in Wistar rat embryos treated with AY 9944] Roux C, et al. **C R Soc Biol (Paris)** 169(1):24–6, 1975 (Eng. Abstr.) **(Fre)**

[In vitro incorporation of tritiated thymidine in acute leukemia and response to chemotheraphy (author's transl)] Zittoun R, et al. **Nouv Rev Fr Hematol** 15(1):19–30, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[The relationship between the doubling time of human lung tumor volume and the labelling index] Krutova TV, et al. **Biull Eksp Biol Med** 81(1):59–61, Jan 76 (Eng. Abstr.) **(Rus)**

[An autoradiographic study of the relationship between nucleic metabolism and features of the metabolism of the nucleosides employed] Mazhuga PM. **Tsitol Genet** 8(5):400–5, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Limited ability of thymidine to relieve mitotic inhibition by pyrimethamine in human fibroblasts. Kirk D, et al. **Biochem Pharmacol** 25(6):681–5, 15 Mar 76

Cell volume growth after cell cycle block with chemotherapeutic agents. Ross DW. **Cell Tissue Kinet** 9(4):379–87, Jul 76

The effects of thymidine and its analogues on the differentiation of antibody–forming cells. Harris G, et al. **Differentiation** 3(1–3):99–105, 11 Aug 75

The effect of phenylalanine, glycine, lysine, thymidine and thalidomide upon the developmental age in Drosphila melanogaster. Bergström RM, et al. **Geron** (20):125–32, 1974–75

Thymidine and the assessment of co–trimoxazole action in liquid media. pp. 67–70. Then R. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.**

Minicell production and bacteriophage superinducibility of thymidine–requiring strains of Haemophilus influenzae. Sedgwick B, et al. **J Bacteriol** 123(3):1208–17, Sep 75

The selection and induction of 5–iodo–2–deoxyuridine and thymidine variants of P388 mouse lymphoma cells with agents which are used for selection. Anderson D. **Mutat Res** 33(2–3):399–405, Dec 75

Ethyl methanesulphonate mutagenesis with L5178Y mouse lymphoma cells: a comparison of ouabain, thioguanine and excess thymidine resistance. Cole J, et al. **Mutat Res** 34(3):507–25, Mar 76

Critical periods of the mitotic cycle: influence of aminopterin and thymidine on production of chromosomal aberrations by radiation in Crepis capillaris. Luchnik NV, et al. **Mutat Res** 34(3):367–88, Mar 76

[Proliferative activity of stromal cells—bone marrow precursors possessing clonogenic properties] Epikhina SIu, et al. **Biull Eksp Biol Med** 81(1):55–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Protective effect of thymidine in relation to the cytostatic action of cyclic adenosine–3', 5'–monophosphate in mammalian cell cultures] Polunovskiĭ VA. **Biull Eksp Biol Med** 80(7):93–5, Jul 75 (Eng. Abstr.) **(Rus)**

A technique for determining the proportion of the clonogenic cells in S phase in ENT6 cell cultures and tumors. Rockwell S, et al. **Cell Tissue Kinet** 9(4):313–23, Jul 76 **(Rus)**

[Chromosomal aberrations induced by H3 thymidine in patients with ataxia telangiectasia (author's transl)] Carnevale A, et al. **Rev Invest Clin** 27(3):193–8, Jul–Sep 75 (Eng. Abstr.) **(Spa)**

[Effect of glutamine, thymidine and orotate on the nucleic acid content in the cell nuclei of the regenerating liver in sodium fluoride poisoning] Rymar'–Shcherbina NB.

Ukr Biokhim Zh 48(3):375–7, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Methotrexate–thymidine treatment of murine leukemia. Tattersall MH, et al. **Ann NY Acad Sci** 255(751106–751230–2):261–5, 8 Aug 75

URINE

[Increased thymidine excretion under the influence of polyanions] Bryksina LE, et al. **Biull Eksp Biol Med** 81(6):655–6, Jun 76 (Eng. Abstr.) **(Rus)**

THYMIDINE DIPHOSPHATE SUGARS see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

THYMIDINE KINASE

Assignments of the human genes for lactate dehydrogenase–A and thymidine kinase to specific chromosomal regions. Francke U, et al. **Birth Defects** 11(3):143–9, 1975

Regional localization of human genes in virus–induced uncoiler regions. McDougall JK, et al. **Birth Defects** 11(3):202–4, 1975

Microinjection of thymidine kinase and bovine serum albumin into mammalian cells by fusion with red blood cells. Schlegel RA, et al. **Cell** 5(4):371–9, Aug 75

Assignments of the human genes for lactate dehydrogenase–A and thymidine kinase to specific chromosomal regions. Francke U, et al. **Cytogenet Cell Genet** 14(3–6):14 313–9, 1975

Confirmation of the human thymidine kinase locus, 17q21 leads to 17qter, by means of a man–mouse somatic cell hybrid, D98/AH–2 X LMTK–Cl–ID. Yoshida MC, et al. **Hum Genet** 31(2):235–9, 29 Feb 76

Viral–induced thymidine kinase isozymes. Kit S, et al. **Prog Med Virol** 21:13–34, 1975

[Thymidine kinase (author's transl)] Golaszewski T. **Postepy Biochem** 22(1):27–52, 1976 **(Pol)**

ANALYSIS

Characterization of nucleoside phosphotransferase and thymidine kinase activities of chick embryo cells and of chick–mouse somatic cell hybrids. Kit S, et al. **Arch Biochem Biophys** 169(1):66–76, Jul 75

Thymidine phosphotransferase and nucleotide phosphohydrolase of the fern Asplenium nidus. General properties and inhibition by adenosine 3':5'–cyclic monophosphate. Grivell AR, et al. **Biochem J** 155(3):571–81, 1 Jun 76

BIOSYNTHESIS

Influence of double infections on the induction of thymidine kinase by UV–irradiated herpes simplex virus types 1 and 2 and pseudorabies virus. Dundaroff S, et al. **Arch Virol** 49(2–3):117–26, 1975

Effect of chloramphenicol and cycloheximide on the formation of mitochondrial–specific thymidine kinase isozymes in HeLa(BU25) cells. Kit S, et al. **Biochem Biophys Res Commun** 67(1):1–7, 3 Nov 75

Proceedings: Control of thymidine kinase synthesis in the cells infected with IHD strain of vaccinia virus. Zaslavsky V, et al. **Isr J Med Sci** 11(11):1210, Nov 75

Utilization of exogenous thymidine by Chlamydia psittaci growing in the thymidine kinase–containing and thymidine kinase–deficient L cells. Hatch TP. **J Bacteriol** 125(2):706–12, Feb 76

Deoxythymidine kinase induced in HeLa TK– cells by herpes simplex virus type I and type II. II. Purification and characterization. Cheng YC, et al. **J Biol Chem** 251(9):2605–10, 10 May 76

Formation of thymidine kinase and deoxycytidylate deaminase in synchronized cultures of chinese hamster cells temperature–sensitive for DNA synthesis. Kit S, et al. **J Cell Physiol** 88(1):57–64, May 76

Oestrogen induction of thymidine kinase in the pituitary of the male rat: correlation between inducer ability and oestrogenic potency. Le Guellec R, et al. **J Endocrinol** 70(1):149–50, Jul 76

Mutant of herpes simplex virus type 1 conditionally able to transform thymidine kinaseless L cells to a tk+ phenotype. Hughes RG, et al. **J Virol** 18(3):867–72, Jun 76

Induction of rat pituitary thymidine kinase: another physiological response to oestradiol in the male? Valotaire Y, et al. **Mol Cell Endocrinol** 3(2):117–27, Aug 75

Possible peptide chain termination mutants in thymide kinase gene of a mammalian virus, herpes simplex virus. Summers WP, et al. **Proc Natl Acad Sci USA** 72(10):4081–4, Oct 75

Dystrophic spinal cord transplants induce abnormal thymidine kinase activity in normal muscles. Rathbone MP, et al. **Science** 189(4208):1106–7, 26 Sep 75

Biochemical and serological properties of the thymidine–phosphorylating enzymes induced by herpes simplex virus mutants temperature–dependent for enzyme formation. Kit S, et al. **Virology** 69(1):179–90, Jan 76

BLOOD

Tumor–associated thymidine kinase in the sera of rats with transplanted hepatomas. Taylor A Jr, et al. **Cancer Res** 36(6):2070–2, Jun 76

Human deoxythymidine kinase. I. Purification and general properties of the cytoplasmic and mitochondrial isozymes derived from blast cells of acute myelocytic leukemia. Lee LS, et al. **J Biol Chem** 251(9):2600–4, 10 May 76

IMMUNOLOGY

Serological specificity of thymidine kinase activity in herpes simplex virus–transformed L cells. Thouless ME, et al. **Virology** 69(1):350–1, Jan 76

ISOLATION & PURIFICATION

Two forms of thymidine kinase in normal and tumor tissues of animals. Ohash IM, et al. **Cancer Res** 36(7 PT 1):2216–22, Jul 76

METABOLISM

Biochemical classification of herpes simplex virus types 1 and 2, and of intermediate strains on the basis of different susceptibilities of thymidine kinase to thymidine analogues. Just I, et al. **Acta Virol (Praha)** 20(1):31–9, Feb 76

Human deoxythymidine kinase II: substrate specificity and kinetic behavior of the cytoplasmic and mitochondrial isozymes derived from blast cells of acute myelocytic leukemia. Lee LS, et al. **Biochemistry** 15(17):3686–90, 24 AUG 76

DNA polymerase, thymidine kinase and DNA synthesis in erythropoietic mouse spleen cells separated on bovine serum albumin gradients. Roodman GD, et al. **Biochim Biophys Acta** 425(4):478–91, 2 Apr 76

Biochemical changes in preneoplastic rodent intestines. Ball WJ Jr, et al. **Cancer Res** 36(7 PT 2):2686–9, Jul 76

Elevation of dihydrofolate reductase, thymidylate synthetase, and thymidine kinase in cultured mammalian cells after exposure to folate antagonists. Chello PL, et al. **Cancer Res** 36(7 PT 1):2442–9, Jul 76

Differentiation associated changes in thymidylate synthetase and thymidine kinase activities in intestinal cells. Peterson AM. **Cell Differ** 5(1):37–43, Apr 76

Stimulated DNA synthesis in livers and kidneys induced to proliferate associated with unchanged thymidine and thymidylate kinase activities. Cihák A, et al. **Chem Biol Interact** 13(2):141–9, May 76

Thymidine kinase isozymes of normal and virus–infected cells. Kit S, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:703–15, 1975

Enzymes of DNA biosynthesis in developing sea urchins. Changes in ribonucleotide reductase, thymidine, and thymidylate kinase activities. de Petrocellis B, et al. **Dev Biol** 48(2):250–7, Feb 76

Denervation effects on aspartate carbamyl transferase, thymidine kinase, and uridine kinase activities in newt regenerates. Manson J, et al. **Dev Biol** 50(1):109–21, May 76

Loss of a termolabile thymidine kinase activity in bromodioxyuridine resistant (transport deficient, kinase postive) haploid cultured frog cells. Freed JJ, et al. **Exp Cell Res** 99(1):126–34, Apr 76

Identification of chick thymidine kinase determinant in somatic cell hybrids of chick erythrocytes and thymidine kinase–deficient mouse cells. Leung WC, et al. **Exp Cell Res** 95(2):320–6, 15 Oct 75

Isolation and characterisation of Chinese hamster cells resistant to 5–fluorodeoxyuridine. Slack C, et al. **Exp Cell Res** 98(1):1–14, 1 Mar 76

Two molecular forms of thymidine kinase in the cytosol of regenerating rat liver. Nawata H, et al. **J Biochem (Tokyo)** 78(6):1215–24, Dec 75

Thymidylate nucleotide supply for mitochondrial DNA synthesis in mouse L–cells. Effect of 5–fluorodeoxyuridine and methotrexate in thymidine kinase plus and thymidine kinase minus cells. Bogenhagen D, et al. **J Biol Chem** 251(10):2938–44, 25 May 76

5–Iodo–5'–amino–2',5'–dideoxyuridine–5'–N'–triphosphate Synthesis, chemical properties, and effect on Escherichia coli thymidine kinase activity. Chen MS, et al. **J Biol Chem** 251(16):4839–42, 25 Aug 76

Transport and countertransport of thymidine in ATP depleted and thymidine kinase–deficient Novikoff rat hepatoma and mouse L cells: evidence of a high Km facilitated diffusion system with wide nucleoside specificity. Plagemann PG, et al. **J Cell Physiol** 89(1):1–18, Sep 76

Regulation by thymidine monophosphate and other nucleotides of thymidine kinase activity in extracts from primary rabbit kidney cells infected by HSV types 1 and 2. Just I, et al. **J Gen Virol** 29(1):69–80, Oct 75

Mitochondrial and herpesvirus–specific deoxypyrimidine kinases. Leung WC, et al. **J Virol** 16(3):486–97, Sep 75

Thymidine kinase, DNA synthesis and cancer. Kit S. **Mol Cell Biochem** 11(3):161–82, 15 Jun 76

Foetal thymidine kinase in tumours and colonic flat mucosa of man. Salser JS, et al. **Nature** 260(5548):261–3, 18 Mar 76

Depressed thymidine kinase activity in zinc–deficient rat embryos. Dreosti IE, et al. **Proc Soc Exp Biol Med** 150(1):161–5, Oct 75

A site of action for zinc in neoplastic tissue. Duncan JR, et al. **S Afr Med J** 50(18):711–3, 24 Apr 76

Thymidine kinase activity in human bone marrow cells. Wickramasinghe SN, et al. **Scand J Haematol** 15(2):139–44, Sep 75

Nucleoside phosphotransferase activity in synchronized cultures of Tetrahymena and distribution of alternative mechanisms of thymidine phosphorylation in different organisms. Shiosaka T, et al. **Tokushima J Exp Med** 22:57–63, Sep 75

The requirement of simian virus 40 gene A product for the stimulation of cellular thymidine kinase activity after viral infection. Postel EH, et al. **Virology** 73(1):206–15, Aug 76

[Effects of beta estradiol on thymidine kinase activity of the immature oviduct of the triton Pleurodeles waltilii Michah] Jego P, et al. **Gen Comp Endocrinol** 27(2):262–70, Oct 75 (Eng. Abstr.) **(Fre)**

[Characteristics of somatic cell hybrids (mouse x Chinese hamster) with a different ratio of chromosome sets from the parent species. II. Thymidine kinase activity] Moiseenko EV, et al. **Genetika** 10(9):44–54, 1975 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Influence of protracted irradiation on the enzymes of DNA synthesis in the bone marrow of rats] Elkina NY. **Radiobiologiia** 15(4):521–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

THYMIDINE PHOSPHATES see **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

THYMIDYLATE SYNTHETASE see under **METHYLTRANSFERASES**

THYMIDYLIC ACIDS see under **THYMINE NUCLEOTIDES**

THYMINE

Alpha–S–cysteinylthymine: a model for protein–nucleic acid cross–linking. Berman HM, et al. **Biochemistry** 15(3):463–7, 10 Feb 76

The crystal and molecular structure of an osmium bispyridine adduct of thymine. Neidle S, et al. **Biochim Biophys Acta** 418(2):226–31, 19 Jan 76

Reaction of uracil and thymine derivatives with sodium bisulfite. Studies on the mechanism and reduction of the adduct. Shapiro R, et al. **Biochim Biophys Acta** 425(1):115–24, 18 Feb 76

Persistence of thymine dimers in the replicated DNA of Escherichia coli B/r Her+. Sedliaková M, et al. **FEBS Lett** 60(1):161–3, 1 Dec 75

A molecular orbital study of electronic spectra of thymine, its photodimerization and photodeactivation of DNA. Mishra PC, et al. **Indian J Biochem Biophys** 13(1):12–5, Mar 76

Synthetic models of deoxyribonucleic acid complexes with antimalarial compounds. I. Interaction of aminoquinoline with adenine and thymine. Bolte J, et al. **J Am Chem Soc** 98(2):613–5, 21 Jan 76

Synthetic spectroscopic models. Intramolecular stacking interactions between indole and connected nucleic acid bases. Hypochromism and fluorescence. Mutai K, et al. **J Am Chem Soc** 97(14):4095–4104, 9 Jul 75

Interactions of adenine, thymine, and uracil with epinephrine: UV studies. Al–Obeidi F, et al. **J Pharm Sci** 65(7):982–5, Jul 76

Interactions of nucleic acid bases with catechol: UV studies. Al–Obeidi FA, et al. **J Pharm Sci** 65(6):892–5, Jun 76

On the possibility of excimer state formation in homodimers of the pyrimidine bases. Shulga SM, et al. **Nucleic Acids Res** 3(4):1095–9, Apr 76

Studies on thymine and uracil triplet excited state in acetonitrile and water. Salet C, et al. **Photochem Photobiol** 22(6):231–5, Dec 75

MO calculations of some thymine radicals at the INDO level. Westhof E, et al. **Z Naturforsch [C]** 31(7–8):371–6, Jul–Aug 76

[Stability series of nitrogenous base pairs of nucleic acids] Ianson IK, et al. **Dokl Akad Nauk SSSR** 223(4):1010–3, 1 Aug 75 **(Rus)**

[Ionization potentials of nucleic acid nitrogenous bases] Verkin BI, et al. **Dokl Akad Nauk SSSR** 228(6):1452–5, 1976 **(Rus)**

ANALOGS & DERIVATIVES

Dehalogenation of 5–bromo–6–methoxy–5,6–dihydrothymine by cysteine. Sedor FA, et al. **J Am Chem Soc** 98(8):2314–9, 14 Apr 76

Synthesis and characterization of 5–hydroperoxymethyluracil (ThyalphaOOH). Hahn BS, et al. **J Org Chem** 41(3):567–8, 6 Feb 76

Thymine hydroperoxide as a mediator in ionising radiation mutagenesis. Thomas HF, et al. **Nature** 259(5541):341–2, 29 Jan 76

The effect of 9–ethyladenine on the photodimerization of 1–cyclohexylthymine. Nakata T, et al. **Photochem Photobiol** 22(3–4):97–101, Sep–Oct 75

ANALYSIS

Measurement of thymine dimers in DNA by thin–layer chromatography. II. The use of one–dimensional systems. Cook KH, et al. **Anal Biochem** 73(2):411–8, Jun 76

DEFICIENCY

[Phenotype of an E coli K 12 mutant resistant to thymine deficiency death] Bailone A. **C R Acad Sci [D] (Paris)** 279(26):2169–72, 23 Dec 74 **(Fre)**

METABOLISM

Metabolism of thymine in tumor tissue: the origins of beta-aminoisobutyric acid. Baliga BS, et al. **Adv Enzyme Regul** 13:27–36, 1975 (18 ref.)

Repair of heat injury in thymine auxotrophs of Escherichia coli. Bhaumik G, et al. **Can J Microbiol** 21(8):1274–7, Aug 75

Excision of pyrimidine dimers from epidermal DNA and nonsemiconservative epidermal DNA synthesis following ultraviolet irradiation of mouse skin. Bowden GT, et al. **Cancer Res** 35(12):3599–607, Dec 75

Studies of intracellular thymidine nucleotides. Thymineless death and the recovery after re-addition of thymine in Escherichia coli K 12. Ohkawa T. **Eur J Biochem** 60(1):57–66, 1 Dec 75

Induced synthesis of an envelope protein by thymine starvation of E. coli B/r. Churchward GG, et al. **FEBS Lett** 62(3):347–50, 1 Mar 76

Death of Lactobacillus acidophilus caused by incorporated 3H-thymine during incubation without amino acids. Koukalová B. **Folia Microbiol (Praha)** 21(2):107–16, 1976

Thymineless mutants and their resistance to trimethoprim. Amyes SG, et al. **J Antimicrob Chemother** 1(1):85–9, Mar 75

Interference of dna ts mutations of Escherichia coli with thymineless death. Bouvier F, et al. **J Bacteriol** 124(3):1198–204, Dec 75

Excision of pyrimidine dimers in toluene-treated Escherichia coli. Deutsch WA, et al. **J Bacteriol** 125(1):220–4, Jan 76

Kinetics of thymineless death in Escherichia coli 15 as measured by single-cell observations. Mennigmann HD, et al. **J Bacteriol** 125(3):1232–4, Mar 76

Aberrant DNA methylation under conditions of thymine deprivation in Bacillus subtilis. Buick RN, et al. **J Gen Microbiol** 90(2):347–54, Oct 75

The virulence of trimethoprim-resistant thymine-requiring strains of Salmonella. Smith HW, et al. **J Hyg (Camb)** 76(1):97–108, Feb 76

Turnover in bacterial DNA containing thymine or 5-bromouracil. Grivell AR, et al. **J Mol Biol** 98(1):219–33, 15 Oct 75

Thymineless bacteriophage induction in Staphylococcus aureus. II. Specific transduction of constitutive and inducible erythromycin resistance. Lindberg M, et al. **J Virol** 16(6):1367–74, Dec 75

Thymineless bacteriophage induction in Staphylococcus aureus. I. High-frequency transduction with lysates containing a bacteriophage related to bacteriophage phi 11. Rudin L, et al. **J Virol** 16(6):1357–66, Dec 75

Letter: Thymine-requiring bacteria. Hayer LJ, et al. **Lancet** 1(7968):1080, 15 May 76

Thymine-requiring bacteria associated with co-trimoxazole therapy. Maskell R, et al. **Lancet** 1(7964):834–5, 17 Apr 76

Fate of thymine-containing dimers in the deoxyribonucleic acid of ultraviolet-irradiated mutator T1 Escherichia coli transductants. Sideropoulos AS. **Mutat Res** 34(1):55–68, Jan 76

Defective thymine dimer excision by cell-free extracts of xeroderma pigmentosum cells. Mortelmans K, et al. **Proc Natl Acad Sci USA** 73(8):2757–61, Aug 76

PHARMACODYNAMICS

Antagonism of barbiturate by DNA pyrimidines and allied compounds. Penn NW. **Arch Int Pharmacodyn Ther** 218(1):156–66, Nov 75

Proceedings: Optimal labelling of DNA in thymineless Escherichia coli. Pinney RJ. **J Pharm Pharmacol** 27 Suppl?-2:47P, Dec 75

RADIATION EFFECTS

Excision-repair of gamma-ray-damaged thymine in bacterial and and mammalian systems. Hariharan PV, et al. **Basic Life Sci** 5A:51–9, 1975 (38 ref.)

Formation of thymine-lysine adducts in irradiated DNA-lysine systems. Shetlar MD, et al. **Biochem Biophys Res Commun** 66(1):88–93, 2 Sep 75

Sensitization of thymine and uracil to ionizing radiation by p-nitroacetophenone. Varghese AJ. **Int J Radiat Biol** 28(5):477–84, Nov 75

THERAPEUTIC USE

[Action of Thymobiol on the pH of the gastric fluid in patients undergoing digestive resuscitation] Opolon P. **Med Chir Dig** 4(1):71–3, 1975 **(Fre)**

THYMINE NUCLEOTIDES

Methylation and ethylation of uridylic acid and thymidylic acid. Reactivity of the ring and phosphate as a function of pH and alkyl group. Singer B. **Biochemistry** 14(20):4353–7, 7 Oct 75

On the question of phosphate complexes of osmium tetroxide: kinetics of reactions with nucleotides and dinucleoside monophosphates. Clark RL, et al. **Bioinorg Chem** 5(4):359–60, 1976

Nucleosides and nucleotides. Part 7. Four dithymidine monophosphates with different anomeric configurations, their synthesis and behaviour towards phosphodiesterases. Séquin U. **Helv Chim Acta** 57(1):68–81, 1974

5-Iodo-5'-amino-2',5'-dideoxyuridine-5'-N'-triphosphate Synthesis, chemical properties, and effect on Escherichia coli thymidine kinase activity. Chen MS, et al. **J Biol Chem** 251(16):4839–42, 25 Aug 76

Condensation of mononucleotides by imidazole. Ibanez JD, et al. **J Mol Evol** 1(1):112–4, 1971

Reaction of a nucleoside 2, 4-dinitrophenyl phosphate with fluoride; a convenient method for the preparation of the nucleoside phosphorfluoridate. Johnson PW, et al. **Nucleic Acids Res** 2(10):1745–9, Oct 75

Fluorescence probing of nucleic acids: I. Singly and doubly labeled dithymidine phosphate: fluorescence and energy transfer studies. Tournon J. **Nucleic Acids Res** 2(8):1261–73, 8 AUG 75

Duplex structure formation between oligo(dA)'s and oligo(dT)'s generated by thymine-specific interaction with netropsin. Zimmer C, et al. **Nucleic Acids Res** 3(6):1521–32, Jun 76

Indirect EPR evidence for the production of singlet oxygen in the photosensitization of nucleic acid constituents by proflavine. van de Vorst A, et al. **Z Naturforsch [C]** 31(3–4):203–4, Mar–Apr 76

ANALYSIS

Negative silver staining in A-T and satellite DNA-rich regions of human chromosomes. Howell WM, et al. **Chromosoma** 57(2):165–9, 17 Aug 76

Oligothymidylic acid tracts in mouse DNA. pp. 199–203. Mansbridge JN, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**

[Correlation between the relative number of thymine blocks in DNA of animals and their radiosensitivity] Kritskiĭ GA, et al. **Dokl Akad Nauk SSSR** 226(6):1459–62, 21 Feb 76 **(Rus)**

BIOSYNTHESIS

Isolation and characterization of mutants of Saccharomyces cerevisiae able to grow after inhibition of dTMP synthesis. Brendel M, et al. **Methods Cell Biol** 11:287–94, 1975 (20 ref.)

CHEMICAL SYNTHESIS

Synthesis of thymidine oligonucleotides by phosphite triester intermediates. Letsinger RL, et al. **J Am Chem Soc** 98(12):3655–61, 9 Jun 76

The prebiotic synthesis of deoxythymidine oligonucleotides. II. Comparison of condensing agents. Odom DG, et al. **J Mol Evol** 6(3):199–207, 4 Nov 75

ISOLATION & PURIFICATION

Quantitative separation of nucleotides on mercurated dextran. Gruenwedel DW, et al. **Biochim Biophys Acta** 402(1):7–19, 6 Aug 75

METABOLISM

Biochemistry of DNA-defective mutants of bacteriophage T4. Thymine nucleotide pool dynamics. Mathews CK. **Arch Biochem Biophys** 172(1):178–87, Jan 76

Thymine dimer excision by extracts of human cells. Duncan J, et al. **Basic Life Sci** 5B:643–9, 1975

Incorporation of 5'-amino-5'-deoxythymidine5'-phosphate in polynucleotides by use of DNA polymerase I and a phiX174 DNA template. Letsinger FL, et al. **Biochemistry** 15(13):2810–6, 29 Jun 76

Effect of bleomycin on [3H]Thymidine 5'-Triphosphate incorporation into host liver and hepatoma nuclei. Spangler M, et al. **Cancer Res** 36(4):1339–46, Apr 76

Isolation and properties of a thymidylate-less mutant in Saccharomyces cerevisiae. Luzzati M. **Eur J Biochem** 56(2):533–8, 15 Aug 75

Studies of intracellular thymidine nucleotides. Relationship between the synthesis of deoxyribonucleic acid and the thymidine triphosphate pool in Escherichia coli K12. Ohkawa T. **Eur J Biochem** 61(1):81–91, 2 Jan 76

Studies of intracellular thymidine nucleotides. Thymineless death and the recovery after re-addition of thymine in Escherichia coli K 12. Ohkawa T. **Eur J Biochem** 60(1):57–66, 1 Dec 75

Two forms of serine transhydroxymethylase, one absent in a thymidylate-less mutant in Saccharomyces cerevisiae. Zelikson R, et al. **Eur J Biochem** 64(1):7–13, 15 Apr 76

DNA replication in isolated nuclei. The fate of pulse-labelled DNA subunits. Hershey HW, et al. **Exp Cell Res** 94(2):339–50, Sep 75

Effective utilization of exogenous deoxythymidine-5'-monophosphate for DNA synthesis in enterobacteria. Schwan H, et al. **FEBS Lett** 57(2):179–82, 15 Sep 75

Effects of growth conditions on thymidine nucleotide pools in Escherichia coli. Hosono R, et al. **J Biochem (Tokyo)** 78(1):123–9, Jul 75

Mutants of Saccharomyces cerevisiae that incorporate deoxythymidine 5'-monophosphate into DNA in vivo. Wickner RB. **Methods Cell Biol** 11:295–302, 1975 (22 ref.)

Isolation of an inhibitor of DNA synthesis specific for normal and malignant mammary cells. Gonzalez R, et al. **Proc Natl Acad Sci USA** 73(7):2196–200, Jul 76

UV-induction of thymine-containing dimers in Saccharomyces cerevisiae. Fäth WW, et al. **Z Naturforsch [C]** 30(6):811–7, Nov-Dec 75

An improved assay of UV-induced thymine-containing dimers in Saccharomyces cerevisiae. Fäth WW, et al. **Z Naturforsch [C]** 30(6):804–10, Nov-Dec 75

Isolation and properties of yeast mutants with highly efficient thymidylate utilization. Fäth WW, et al. **Z Naturforsch [C]** 31(7–8):468–78, Jul-Aug 76

PHARMACODYNAMICS

Regulation by thymidine monophosphate and other nucleotides of thymidine kinase activity in extracts from primary rabbit kidney cells infected by HSV types 1 and 2. Just I, et al. **J Gen Virol** 29(1):69–80, Oct 75

Nucleic acid metabolism in yeast. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. Langjahr UG, et al. **Mol Gen Genet** 143(1):113–8, 30 Dec 75

RADIATION EFFECTS

Free radical formation in deoxythymidine-5'-monophosphate gamma-irradiated in frozen solution. A computer-assisted analysis of temperature-dependent ESR spectra. Gregoli S, et al. **Radiat Res** 65(2):202–19, Feb 76

THYMOANALEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOL

ANALOGS & DERIVATIVES

Effect of phase transition on the kinetics of dye transport in phospholipid bilater structures. Tsong TY. **Biochemistry** 14(25):5409–14, 16 Dec 75

[Evaluation of Endomethasone paste as a root canal filling material] Gora B, et al. **Czas Stomatol** 28(11):1051–62, Nov 75 (Eng. Abstr.) **(Pol)**

[Determination of dioxonium in biological fluids using acidic dyes] Zimnukhov VV. **Farmatsiia** 25(3):50–4, Mar–Jun 76 (Eng. Abstr.) **(Rus)**

BLOOD

Gas chromatographic determination of thymol. Noall MW, et al. **Anal Biochem** 69(1):10–5, Nov 75

DIAGNOSTIC USE

[Studies on immunochemical determination of serum thymol and zinc turbidity tests (author's transl)] Miyatani K, et al. **Jpn J Clin Pathol** 23(8):653–6, Aug 75 **(Jpn)**

ISOLATION & PURIFICATION

[Sugar bound regular monoterpenes, part I Thymol- and carvacrolglykosides in Thymus vulgaris (author's transl)] Skopp K, et al. **Planta Med** 29(3):208–15, May 76 (Eng. Abstr.) **(Ger)**

THYMOLEPTICS see **TRANQUILIZING AGENTS**

THYMOLPHTHALEIN see under **PHENOLPHTHALEINS**

THYMOMA

Thymic diseases as revealed by a series of consecutive thymectomies and biopsies from the thymus. Sundström C. **Ups J Med Sci** 81(1):18–22, 1976

[Immunological and clinical problems in ectopic thymoma] Domaniewski J, et al. **Otolaryngol Pol** 29(6):579–85, 1975 (Eng. Abstr.) **(Pol)**

[Giant lymphoepithelial tumor of the thymus gland in a child] Zakharychev VD, et al. **Grudn Khir** (5):99–101, Sep–Oct 75 **(Rus)**

BLOOD

[Hematologic manifestations of thymomas] Dujardin P, et al. **Sem Hop Paris** 52(24):1441–6, 23 Jun 76 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Chromosome damage in the bone marrow of mice treated with the methylating agents methyl methanesulphonate and N-methyl-N-nitrosourea in the presence or absence of caffeine, and its relationship with thymoma induction. Frei JV, et al. **Mutat Res** 30(1):89–96, Oct 75

COMPLICATIONS

Thymoma in a case of scleroderma. Sundström C. **Acta Pathol Microbiol Scand [A]** 84(4):317–21, Jul 76

Thymoma associated with pure red cell aplasia, immunoglobulin deficiency and an inhibitor of antigen-induced lymphocyte transformation. Geary CG, et al. **Br J Haematol** 29(3):479–85, Mar 75

Metastatic thymoma with myasthenia gravis and pure red cell aplasia. DeSevilla E, et al. **Cancer** 36(3):1154–7, Sep 75

Thymoma and chronic myelogenous leukemia: a case report. Knowles DM 2d. **Cancer** 38(3):1414–9, Sep 76

Chronic muco-cutaneous candidiasis of late onset, thymoma

and myopathy. A report of four cases. Rycroft RJ, et al. **Clin Exp Dermatol** 1(1):59–74, Mar 76

Coexistence of peculiar pemphigus, myasthenia gravis and malignant thymoma. Tagami H, et al. **Dermatologica** 152(3):181–90, 1976

Myasthenia gravis and invasive thymoma: a 20-year experience. Goldman AJ, et al. **Neurology (Minneap)** 25(11):1021–5, Nov 75

Recurrence of thymoma and myasthenia gravis after 19 years. A case report. Lava NS, et al. **Neurology (Minneap)** 26(7):696–8, Jul 76

Thymoma, polyarthropathy and hypogammaglobulinaemia. Webster AD. **Proc R Soc Med** 69(1):58–9, Jan 76

Thymoma and systemic lupus erythematosus. Simeone JF, et al. **Thorax** 30(6):697–700, Dec 75

Invasive thymoma and myasthenia gravis: a twenty-year experience. Goldman AJ, et al. **Trans Am Neurol Assoc** 100:192–4, 1975

Suppressor T cells in the pathogenesis of hypogammaglobulinemia associated with a thymoma. Waldmann TA, et al. **Trans Assoc Am Physicians** 88:120–34, 1975

[Myasthenia gravis with the simultaneous incidence of thymoma] Smat V, et al. **Rozhl Chir** 55(2):131–5, Feb 76 (Eng. Abstr.) **(Cze)**

[Aplastic anaemia and thymonal] Grips KH, et al. **Dtsch Med Wochenschr** 101(38):1389–92, 17 Sep 76 (Eng. Abstr.) **(Ger)**

[Myasthenia with Sjogren's syndrome and thymoma – clinical evaluation of myasthenic syndrome] Saito M, et al. **Clin Neurol (Tokyo)** 15(11):811–6, Nov 75 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Gallium scans in myasthenia gravis. Swick HM, et al. **Ann NY Acad Sci** 274:536–54, 1976

Selenomethionine Se 75 thymus scans in myasthenia gravis. Toole JF, et al. **Trans Am Neurol Assoc** 100:248–9, 1975

[The parathymic syndromes] Janzen RW, et al. **Dtsch Med Wochenschr** 101(35):1292–4, 27 Aug 76 **(Ger)**

[Anomalous site of the thymus gland] Agugiaro S, et al. **Arch Chir Torac Cardiovasc** 31(3–4):221–35, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

[Diagnosis of mediastinal thymoma using 75 Se-selenomethionine] Ogino K, et al. **Jpn J Clin Radiol** 21(2):183–7, Feb 76 **(Jpn)**

DRUG THERAPY

Chemotherapy of invasive thymoma. Boston B. **Cancer** 38(1):49–52, Jul 76

Letter: Cysteine and survival of transplanted thymoma. Connors TA, et al. **Nature** 258(5534):458, 4 Dec 75

IMMUNOLOGY

HL-A antigens, autoantibody production, and associated diseases in thymoma patients, with and without myasthenia gravis. Oosterhuis HJ, et al. **Ann NY Acad Sci** 274:468–74, 1976

Murine thymic lymphomas as model tumors for T-cell studies. T-cell markers, immunoglobulin and Fc-receptors on AKR thymomas. Krammer PH, et al. **Cell Immunol** 21(1):97–111, Jan 76

OCCURRENCE

[National statistics on mediastinal neoplasms. 1. Compilation of statistics on mediastinal neoplasms] Teramatsu T, et al. **J Jpn Assoc Thorac Surg** 24(3):264–9, Mar 76 **(Jpn)**

[National statistics on mediastinal neoplasms. 2. National statistics on the clinical characteristics of thymoma] Teramatsu T, et al. **J Jpn Assoc Thorac Surg** 24(3):270–3, Mar 76 **(Jpn)**

PATHOLOGY

Thymoma metastasizing to extrathoracic sites. A case report. Nickels J, et al. **Acta Pathol Microbiol Scand [A]** 84(4):331–4, Jul 76

The fine structure of thymoma, with emphasis on its differential diagnosis. A study of ten cases. Levine GD, et al. **Am J Pathol** 81(1):49–86, Oct 75

Thymoma in a 12-year-old boy. Chatten J, et al. **Cancer** 37(2):953–7, Feb 76

Epithelio-reticular cell thymoma with lymphocytic 'emperipolesis.' An ultrastructural study. Llombart-Bosch A. **Cancer** 36(5):1794–803, Nov 75

An ultrastructural study of nine thymomas. Pascoe HR, et al. **Cancer** 37(1):317–26, Jan 76

Thymoma: a clinical and pathological study of 65 cases. Salyer WR, et al. **Cancer** 37(1):229–49, Jan 76

Ultrastructure of spontaneous and urethan-induced thymomas in buffalo rats. Matsuyama M, et al. **Cancer Res** 35(10):2771–9, Oct 75

Malignant thymoma with penetration into the gastrointestinal tract: report of two cases. Brown RC, et al. **South Med J** 69(4):409–12, 429, Apr 76

[Thymolipoma] Dzhambazov I, et al. **Khirurgiia (Sofiia)** 27(5):421–5, 1974 **(Bul)**

[Tuberculosis in a thymoma case] Zakrzewska K, et al. **Nowotwory** 25(3):267–9, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

[Cushing's syndrome in thymus neoplasms structurally resembling carcinoid tumor] Stachura J, et al. **Patol Pol** 26(3):443–6, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Radiologic changes in the thymoma–hypogammaglobulinemia syndrome. Moffat RE. **Am J Roentgenol** 126(6):1219–22, Jun 76

Radiological quiz. Williams AG, et al. **Radiology** 120(1):148, 158, Jul 76

[Large benign thymoma in a 6 year old child] Wernitz Ch. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):85–6, Jul 76 **(Ger)**

[Thymoma, diagnosis and therapy] pp. 71–6. Heilmann HP. **In: Frommhold W, Gerhardt P, ed. Erkrankungen des Mediastinum. Struttgart, Thieme, 1975. W3 KL63 Bd.4 1975.** **(Ger)**

[Case of malignant thymoma] Sitnikova LN, et al. **Vestn Rentgenol Radiol** (2):97–8, Mar–Apr 75 **(Rus)**

[Thymolipoma: Report of a case and review of the literature] González A, et al. **Rev Clin Esp** 141(5):491–5, 15 Jun 76 **(Spa)**

[Thymoma. Its clinical diagnosis through the general manifestations] Román NR, et al. **Rev Clin Esp** 141(1):77–80, 15 Apr 76 **(Spa)**

RADIOTHERAPY

[Clinico-pathological conference XXXIII. Pleuritis and pericarditis after surgery and irradiation of a thymoma] Aro A. **Duodecim** 92(5):257–67, 1976 **(Fin)**

SURGERY

[Surgery of the thymus] Duranceau A, et al. **Union Med Can** 104(4):565–9, Apr 75 (Eng. Abstr.) **(Fre)**

Preliminary clinico-electroymographic research on the effects of thymectomy in myasthenia gravis Savoldi F, et al. **Riv Neurol** 45(2):176–88, Apr–Jun 75 **(Ita)**

[Cardiac herniation after pneumonectomy] Vaglini M, et al. **Tumori** 61(1):1–4, Jan–Feb 75 **(Ita)**

[Surgical treatment in a case of malignant thymoma extending from the left brachiocephalic vein to the superior vena cava and the right atrium] Suzuki Y, et al. **Jpn J Thorac Surg** 29(5):357–61, 1976 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of thymoma] Colančeski V. **Acta Chir Iugosl** 23(2):173–85, 1976 (Eng. Abstr.) **(Ser)**

THERAPY

Large sized thymic tumour and associated therapeutic problems. Das PB, et al. **Indian J Chest Dis** 17(4):172–5, Oct 75

VETERINARY

Myasthenia gravis, thymoma and myositis in a dog. Darke PG, et al. **Vet Rec** 97(20):392–3, 15 Nov 75

[Thymoma in dogs and cats] Mettler F. **Schweiz Arch Tierheilkd** 117(10):577–84, Oct 75 (Eng. Abstr.) **(Ger)**

THYMOSIN see under **THYMUS EXTRACTS**

THYMOXAMINE

PHARMACODYNAMICS

Influence of thymoxamine on changes in pupil diameter and accommodation produced by homatropine and ephedrine. Small S, et al. **Br J Ophthalmol** 60(2):132–4, Feb 76

Pharmacological blocking of the human fusimotor system. pp. 111–5. Mai J, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

Thymoxamine hydrochloride: effects on the facility of outflow and intraocular pressure. Wand M, et al. **Invest Ophthalmol** 15(5):400–3, May 76

The effect of thymoxamine and cromolyn sodium on postexercise bronchoconstriction in asthma. Patel KR, et al. **J Allergy Clin Immunol** 57(4):285–92, Apr 76

THERAPEUTIC USE

Effect of alpha receptor blocking drug, thymoxamine, on allergen induced bronchoconstriction in extrinsic asthma. Patel KR, et al. **Clin Allergy** 5(3):311–6, Sep 75

THYMOXYALCYLAMINE see **THYMOXAMINE**

THYMUS-DEPENDENT LYMPHOCYTES see **T-LYMPHOCYTES**

THYMUS EXTRACTS

Regulation of immune balance by thymosin: potential role in the development of suppressor T-cells. Goldstein AL, et al. **Adv Exp Med Biol** 66:221–8, 1976

[Possible relation between thymosine-like low activity in the serum of Swan mice (antinuclear swiss) and the formation of crystals in the epithelium of their thymus] Schmitt DM, et al. **Med Cutan Iber Lat Am** 2(6):437–9, 1974 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[The National Board of Health and Welfare to Chief Public Prosecutor: It is not our duty to collect proof in criminal case] **Lakartidningen** 73(20):1884–5, 1976 **(Swe)**

ANALYSIS

The amino acid sequence of thymopoietin II. Schlesinger DH, et al. **Cell** 5(4):361–5, Aug 75

Letter: Absence of demonstrable effects of thymocytotoxic antibodies on serum thymic hormone level in NZB mice. Bach JF, et al. **J Immunol** 116(6):1756–7, Jun 76

Studies of thymic factors. I. Evaluation of the mouse rosette assay for thymic hormone. Gershwin ME, et al. **J Immunol** 115(5):1444–8, Nov 75

[Blood levels of thymosin in rats in magnesium deficiency] Stachura J, et al. **Patol Pol** 26(3):369–78, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

CHEMICAL SYNTHESIS

Chemical synthesis of a peptide fragment of thymopoietin II that induces selective T cell differentiation. Schlesinger DH, et al. **Cell** 5(4):367–70, Aug 75

DEFICIENCY

Immunodeficiency in chronic uremia. Preliminary evidence for thymosin deficiency. Harris J, et al. **Transplantation** 20(2):176–8, Aug 75

IMMUNOLOGY

Control of autoreactivity by a humoral factor of the thymus (THF). Small M, et al. **Cell Immunol** 20(1):1–11, Nov 75

Thymic hormones—from myth to facts. Bach JF. **Clin Immunol Immunopathol** 5(3):III–VIII, May 76 (39 ref.)

Cellular localisation and antigenic species specificity of thymic factors. Teodorczyk JA, et al. **Nature** 258(5536):617–9, 18 Dec 75

ISOLATION & PURIFICATION

Isolation and partial chemical characterization of THF, a thymus hormone involved in immune maturation of lymphoid cells. Kook AI, et al. **Cell Immunol** 19(1):151–7, Sep 75

PHARMACODYNAMICS

Control of autoimmune processes by a thymic humoral factor (THF). Small M, et al. **Adv Exp Med Biol** 66:659–64, 1976

Augmentation of cell mediated lysis (CML) by THF. Umiel T, et al. **Adv Exp Med Biol** 66:639–43, 1976

Thymic hormones as regulators of immune responses. Plescia OJ, et al. **Ann NY Acad Sci** 274:519–26, 1976

Effect of the calf thymus extract on immunologic reactivity in patients with hypogammaglobulinaemia. Skotnicki AB, et al. **Boll Ist Sieroter Milan** 54(6):500–1, 1975

The effect of thymosin on human T-celis from cancer patients. Hardy MA, et al. **Cancer** 37(1):98–103, Jan 76

Thymosin-induced increase in E-rosette-forming capacity of lymphocytes in patients with malignant neoplasms. Sakal H, et al. **Cancer** 36(3):974–6, Sep 75

Thymic hormone modulation of leukemogenic virus replication. Forger JM 3d, et al. **Cancer Res** 36(6):2048–52, Jun 76

The lymphocyte inhibiting factor extracted from the thymus (LIFT): inhibition of the DNA synthesis in vitro. Florentin I, et al. **Cell Immunol** 23(1):1–10, Apr 76

Studies on the regulation of lymphocyte production in the murine thymus and some effects of a crude thymus extract. Olsson L, et al. **Cell Tissue Kinet** 8(5):491–502, Sep 75

Differentiation of human bone marrow cells into T lymphocytes by in vitro incubation with thymic extracts. Touraine JL, et al. **Clin Exp Immunol** 17(1):151–8, May 74

The effect of thymic humoral factor upon regeneration of lymphatic and haemopoietic tissues of irradiated mice. Vávrová J, et al. **Folia Biol (Praha)** 21(4):238–43, 1975

Effects of prostaglandins and indomethacin on rosette-forming lymphocytes: interactions with thymic hormone. pp. 241–8. Bach MA, et al. **In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.**

In vitro mitogenic responses of spleen cells and ultrastructural studies of lymph nodes from nude mice following thymosin administration in vivo. pp. 105–17. Thurman GB, et al. **In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.**

Restoration of delayed hypersensitivity to sheep erythrocytes by thymosin treatment of T-cell-depleted mice. Collins FM, et al. **Infect Immun** 13(2):564–8, Feb 76

Restoration of T-cell responsiveness by thymosin: development of antituberculous resistance in BCG-infected animals. Morrison NE, et al. **Infect Immun** 13(2):554–63, Feb 76

Influenza: response of T-cell lymphopenia to thymosin. Scheinberg M, et al. **N Engl J Med** 294(22):1208–11, 27 May 76

In vitro effect of thymosin on T cells from immunodepressed surgical patients. Hardy MA, et al. **Surgery** 80(2):238–45, AUG 76

Enhancement of T lymphocyte differentiation in vitro by thymic extracts and purified polypeptides in severe combined immunodeficiency diseases. Incefy GS, et al. **Trans Assoc Am Physicians** 88:135–45, 1975

[Action of bovine thymus gland in various phases of development on lipid metabolism in rats] Mondola P, et al. **Boll Soc Ital Biol Sper** 52(5):318–21, 15 Mar 76 **(Ita)**

[Further phases of purification of the thymus factor acting on lipid metabolism] Mondola P, et al. **Boll Soc Ital Biol Sper** 52(5):323–8, 15 Mar 76 **(Ita)**

[Studies on biological activity of thymus extracts (TFX). I. Effect on the blood picture and lymphatic organs in mice] Jaszcz W, et al. **Patol Pol** 26(3):387–96, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

[Hematologic changes in rabbits under the influence of calf thymus extracts] Turowski G, et al. **Patol Pol** 26(3):379–86, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

[Administration of thymus extracts (TFX) to surgically treated patients. Clinico-immunological observations] Turowski G, et al. **Pol Tyg Lek** 31(19):797–800, 10 May 76 (Eng. Abstr.) **(Pol)**

[Effect of the calf thymus extract on immunologic reactivity in patients with hypogammaglobulinemia (author's transl)] Skotnicki AB, et al. **Przegl Lek** 33(3):387–8, 1976 (Eng. Abstr.) **(Pol)**

[Restoration of antibody synthesis by means of thymus extract in neonatally thymectomized animals] Giulling EV, et al. **Probl Endokrinol (Mosk)** 21(4):98–101, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Lymphocyte blast transformation in the mouse spleen under the influence of a low-molecular humoral thymus factor in vitro] Malyzhev VA, et al. **Tsitologiia** 17(9):1062–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Influence of thymosin on some indices of immunogenesis in intact and adrenalectomized guinea pigs] Chebotarev VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):62–6, Apr 75 (Eng. Abstr.) **(Rus)**

[The effect of late thymectomy and thymosin on the quantity of antibody forming cells in the spleen and lymph nodes of guinea pigs] Chebotarev VF. **Zh Mikrobiol Epidemiol Immunobiol** (5):126–8, May 76 (Eng. Abstr.) **(Rus)**

[Restoration and acceleration of the development of the capacity for antibody synthesis by the humoral factor of the thymus] Nikol'skiĭ IS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):121–5, May 76 (Eng. Abstr.) **(Rus)**

[The effect of thymus extract on lymphocyte stimulation and experimental tuberculosis] Bloom G, et al. **Lakartidningen** 73(33):2665–70, 11 Aug 76 (Eng. Abstr.) **(Swe)**

[Effect of thymosterin A on the immunological reaction of mice] Tikhonova SN, et al. **Ukr Biokhim Zh** 48(3):332–6, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

The endocrine role of the thymus and its hormone, thymosin, in the regulation of the growth and maturation of host immunological competence. White A, et al. **Adv Metab Disord** 8:359–74, 1975 (58 ref.)

The role of thymosin in lymphocyte maturation. Thurman GB, et al. **Boll Ist Sieroter Milan** 54(3):203–10, 31 Jul 75

The mode of action of thymic hormones and its relevance to T-cell differentiation. Bach JF. **Transplant Proc** 8(2):243–8, Jun 76

THERAPEUTIC USE

First trials of immunopotentiation by thymus extract (TFX) in surgical patients with malignant disease. Turowski G, et al. **Acta Med Pol** 17(1):19–39, 1976

A trial of immunologic stimulation with thymic extract (TFX) in untreated chronic lymphocytic leukemia. Wazewska-Czyzewska M, et al. **Acta Med Pol** 17(2):97–110, 1976

The endocrine thymus: potential role for thymosin in the treatment of autoimmune disease. Goldstein AL, et al. **Ann NY Acad Sci** 274:390–401, 1976 (44 ref.)

Study of thymic factors. II. Failure of thymosin to alter the natural history of NZB and NZB/NZW mice. Gershwin ME, et al. **Arthritis Rheum** 19(5):862–6, Sept–Oct 76

Thymosin restores T cell function and reduces the incidence of amyloid disease in casein-treated mice. Scheinberg MA, et al. **J Immunol** 116(1):156–8, Jan 76

Attempts of application of the immunotherapy of proliferative and aplastic diseases of the hemopoietic system with thymic hormone. Aleksandrowicz J. **Mater Med Pol** 8(1):58–64, Jan–Mar 76

Use of thymosin in the treatment of primary immunodeficiency diseases and cancer. Goldstein AL, et al. **Med Clin North Am** 60(3):591–606, May 76

[Editorial: Chief Public Prosecutor found due time for new charge against THX-Sanberg] **Lakartidningen** 73(18):1670, 28 Apr 76 **(Swe)**

THYMUS GLAND

see related

BURSA OF FABRICIUS

Gross, histomorphological and histochemical changes in the thyroid gland of goat with age. III. Occurrence of thymic tissue. Roy KS, et al. **Anat Anz** 139(1–2)760603–760610–2):158–64, 1976

Comparison of the phosphorus magnetic resonance and circular dichroism properties of calf thymus DNA and chromatin. Hanlon S, et al. **Biochemistry** 15(17):3869–75, 24 AUG 76

Regulation by thymus extracts of RNA synthesis in spleen cells 'in vitro'. Amici D, et al. **Boll Soc Ital Biol Sper** 51(21):1497–500, 15 Nov 75

Radioimmunoassay for thymopoietin. Goldstein G. **J Immunol** 117(2):690–2, Aug 76

Ectopic thymus of the neck--report of three examples in children. Lewis CT. **Postgrad Med J** 51(591):38–40, Jan 75

Induction of theta-positive murine lymphocytes by a thymic extract. Burke TR, et al. **Res Commun Chem Pathol Pharmacol** 14(2):349–66, Jun 76

[Difficulties in diagnosis between simple cysts of the thymus and intrathymic dysembryomas. One case of a thymic tumor evolving during 40 years] Dyan A, et al. **Nouv Presse Med** 5(1):28–30, 3 Jan 76 **(Fre)**

[Surgical case of thymic cyst] Takahashi J, et al. **Jpn J Thorac Surg** 29(5):366–9, 1976 (Eng. Abstr.) **(Jpn)**

[Formalin-free method of preserving endocrine glands of the branchiogenous group (thyroid, parathyroid and thymus)] Voĭner RA, et al. **Arkh Anat Gistol Embriol** 69(10):111–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of brain and thymus cationic proteins on membrane permeability] Ashchmarin IP, et al. **Biokhimiia** 40(2):331–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Physiology and pathology of thymus gland in childhood] Ivanova MV. **Pediatriia** (10):74–9, Oct 75 **(Rus)**

[Sudden death to thymico-cortical insufficiency] Kriuchkov II, et al. **Sud Med Ekspert** 18(3):48, Jul–Sep 75 **(Rus)**

[Obtaining viable cell cultures from lymphoid tissue] Pozdniakov AA, et al. **Veterinariia** (7):37–9, Jul 75 **(Rus)**

ABNORMALITIES

Partial DiGeorge syndrome with substantial cell-mediated immunity. Pabst HF, et al. **Am J Dis Child** 130(3):316–9, Mar 76

Thymic dysplasia, persistence of measles virus, and unexpected infant death. Roberts PF. **Arch Dis Child** 50(5):401–3, May 75

A syndrome of systemic hyalinosis, short-limb dwarfism and possible thymic dysplasia. Alfi OS, et al. **Birth Defects** 11(5):57–62, 1975

Immunodeficiency diseases. I. T-lymphocyte precursors and T-lymphocyte differentiation in partial Di George syndrome. Touraine JL, et al. **Clin Exp Immunol** 21(1):39–46, Jul 75

Electrophoresis of lymphoid cells. A study of Bruton type of agammaglobulinaemia, thymic dysplasia, chronic lymphatic leukaemia and of normal human thymocytes. Wiig JN. **Clin Exp Immunol** 19(1):159–65, Jan 75

Effects of genetic athymia on development. pp. 373–87. Pantelouris EM. **In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974.** (78 ref.)

Proceedings: Infantile partial thymic deficiency: correction of some in vitro T functions by thymus humoral factor. Handzel ZT, et al. **Isr J Med Sci** 11(12):1391, Dec 75

Hereditary asplenic-athymic mice: transplantation of human myelogenous leukemic cells. Lozzio BB, et al. **J Exp Med** 143(1):225–31, 1 Jan 76

Posterior mediastinal accessory thymus. Saade M, et al. **J Pediatr** 88(1):71–2, Jan 76

Pneumomediastinography in the diagnosis of ectopic lobe of the thymus in respiratory obstruction. Kabelka M, et al. **J Pediatr Surg** 11(2):265–6, Apr 76

Ovarian development in athymic nude mice. III. The effect of PMSG and oestradiol upon the size and composition of the ovarian follicle population. Lintern-Moore S, et al. **Mech Ageing Dev** 5(1):33–8, Jan–Feb 76

Ovarian development in athymic nude mice. II. The growth of the oocyte and follicle. Lintern-Moore S, et al. **Mech Ageing Dev** 4(5–6):391–8, Sep–Dec 75

Ovarian development in athymic nude mice. The size and composition of the follicle population. Lintern-Moore S, et al. **Mech Ageing Dev** 4(5–6):385–90, Sep–Dec 75

Ovarian development in athymic nude mice V. The effects of PMSG upon the numbers and growth of follicles in the early juvenile ovary. Lintern-Moore S, et al. **Mech Ageing Dev** 5(4):259–65, Jul–Aug 76

The nude mouse: a model of deficient T-cell function. Pelletier M, et al. **Methods Achiev Exp Pathol** 7:149–66, 1975 (87 ref.)

The adjuvant activity of Bordetella pertussis in mice with congenital aplasia of the thymus. Finger H, et al. **Z Immunitaetsforsch** 145(5):460–6, Sep 73

[Thymic and parathyroid agenesia (DiGeorge's syndrome). Apropos of a case with abnormal vena caval return] Nezelof C, et al. **Arch Fr Pediatr** 32(2):161–76, Feb 75 (Eng. Abstr.) **(Fre)**

[Thymic ectopia and parathyroid tissue in the pangolin (Manis tricuspis Rafinesque)] Bureau JP, et al. **Bull Assoc Anat (Nancy)** 59(166):583–9, Sep 75 (Eng. Abstr.) **(Fre)**

[Patho-anatomical findings in congenital combined immunologic deficiency] Heymer B, et al. **Verh Dtsch Ges Pathol** 59:574, 1975 **(Ger)**

[Proceedings: Thymus gland and tumor growth--mice (nude), congenitally a thymic, as a new oncologic test model] Krause PH, et al. **Verh Dtsch Ges Pathol** 59:486, 1975 **(Ger)**

[Observations in Glanzmann-Riniker essential lymphocytophthisis] Romhányi J, et al. **Orv Hetil** 117(5):290–2, 1 Feb 76 **(Hun)**

[Anomalous site of the thymus gland] Agugiaro S, et al. **Arch Chir Torac Cardiovasc** 31(3–4):221–35, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

[Hereditary thymic dysplasia] Gherghina I, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(2):157–66, Apr–Jun 75 **(Rum)**

ANALYSIS

Isolation and partial chemical characterization of THF, a thymus hormone involved in immune maturation of lymphoid cells. Kook AI, et al. **Adv Exp Med Biol** 66:215–20, 1976

Partial purification of 'omega' protein from calf thymus. Pulleyblank DE, et al. **Biochemistry** 14(23):5205–9, 18 Nov 75

Further purification of the lymphocyte inhibiting extract from the thymus. Kiger N, et al. **Boll Ist Sieroter Milan** 54(3):244–9, 31 Jul 75

The amino acid sequence of thymopoietin II. Schlesinger DH, et al. **Cell** 5(4):361–5, Aug 75

Preparation and some properties of strongly acidic proteins from calf-thymus nucleohistone. Hacha R, et al. **Eur J Biochem** 52(1):83–92, 3 Mar 75

Fractionation, isolation and characterization of nonhistone chromosomal protein from calf thymus. Yoshida M, et al. **J Biochem (Tokyo)** 77(5):1007–14, May 75

Nucleic acid helix-coil transitions mediated by helix-unwinding proteins from calf thymus. Herrick G, et al. **J Biol Chem** 241(7):2133–41, 10 Apr 76

Purification and physical characterization of nucleic acid helix-unwinding proteins from calf thymus. Herrick G, et al. **J Biol Chem** 241(7):2124–32, 10 Apr 76

7-Amino-actinomycin D as a cytochemical probe. I. Spectral properties. Gill JE, et al. **J Histochem Cytochem** 23(11):793–9, Nov 75

Distribution of histone F1 on calf thymus nucleohistone DNA. Hayashi K. **J Mol Biol** 94(3):397–408, 25 May 75

Tissue levels of prostaglandin E following heterotopic rat heart allografting. Jaffe BM, et al. **Surgery** 78(4):481–4, Oct 75

[Amino acid composition of 2 thymus gland extracts active in the protection against microbial infection] Deschaux P, et al. **C R Acad Sci [D] (Paris)** 282(5):505–7, 2 Feb 76 **(Fre)**

ANATOMY & HISTOLOGY

The effect of salivary gland extracts on the histology of lymphoid organs and salivary glands in mice. de Lange GL. **Arch Oral Biol** 20(8):515–20, Aug 75

Age involution in the normal human adult thymus. Simpson JG, et al. **Clin Exp Immunol** 19(2):261–5, Feb 75

Distribution of thymic tissue at the anterior mediastinum. Current procedures in thymectomy. Masaoka A, et al. **J Thorac Cardiovasc Surg** 70(4):747–54, Oct 75

Thymus rudiment of the athymic nude mouse. Holub M, et al. **Nature** 256(5517):491–3, 7 Aug 75

Lymphoid nodules in the thymus of the chicken. Awaya K, et al. **Okajimas Folia Anat Jpn** 52(1):51–8, May 75

[Cell movements and thymus mass during the treatment of the osteopetrosis of the 'op'rat] Milhaud G, et al. **C R Acad Sci [D] (Paris)** 281(23):1929–32, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Distribution of the thymic tissue in the anterior mediastinum--studies on the methods of thymectomy] Masaoka A, et al. **J Jpn Assoc Thorac Surg** 23(8):1016–21, Aug 75 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

The normal human thymic vasculature: an ultrastructural study. Bearman RM, et al. **Anat Rec** 183(4):485–97, Dec 75

[Contribution to the study of the microvascularization of the human thymic lobule (author's transl)] Blanc F. **Arch Anat Histol Embryol (Strasb)** 57(1):29–59, 1974 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Life span of small lymphocytes in the thymolymphatic tissues of normal and thymus-deprived BALB/C mice. Röpke C, et al. **Anat Rec** 183(1):83–94, Sep 75

The differentiation of T lymphocytes. Density characterisation of thymic and peripheral T cells responding in syngeneic and allogenic mixed lymphocyte reactions. von Boehmer H, et al. **Aust J Exp Biol Med Sci** 53(4):281–95, Aug 75

Altered surface topology and membrane functions of rat thymocytes eluted from nylon wool columns. Kwock L, et al. **Biochim Biophys Acta** 426(4):669–74, 5 Apr 76

The fate of thymic radioactivity after local labeling with 125iododeoxyuridine. Laissue JA, et al. **Blood** 47(1):21–30, Jan 76

Evidence for significant hematopoiesis in the human thymus. Taylor CR, et al. **Blood** 47(2):305–13, Feb 76

Focal infection and transformation in situ of thymus cell subclasses by a thymotropic murine leukemia virus. Declève A, et al. **Cancer Res** 35(12):3585–95, Dec 75

Thymus subpopulations: density gradients and volume distributions studies. Zucker RM, et al. **Cell Immunol** 22(1):43–52, 1 Mar 76

Cytodynamics in the thymus of young adult mice: a quantitative study on the loss of thymic blast cells and non-proliferative small thymocytes. Claësson MH, et al.

Cell Tissue Kinet 9(3):273–91, May 76

Sizes and numbers of nuclei in the cortex of thymus glands of red-billed weavers Quelea quelea. Kendall MD. **Cell Tissue Res** 164(2):233–49, 2 Dec 75

Multinucleate cells in thymus of C3H mice. Scheiff JM. **Cell Tissue Res** 170(3):305–14, 30 Jul 76

Populations of lymphocytes separated from human thymocytes. Roberts IM, et al. **Clin Exp Immunol** 19(2):251–9, Feb 75

A regeneration computer model of the thymus. Lumb JR. **Comput Biomed Res** 8(4):379–92, Aug 75

Gomori-positive cells in rat thymus: Lack of evidence on endocrine function. Kubeš L. **Endocrinol Exp (Bratisl)** 9(3):239–43, Sep 75

Differences in chromatin thermal lability between thymic and splenic lymphocytes in intact and adrenalectomized rats detected by acridine orange microfluorometry. Alvarez MR, et al. **Exp Cell Res** 100(2):329–36, Jul 76

A comparison of two methods of preparing cells or nuclei for high-resolution microspectrophotometry. Cowden RR, et al. **Histochem J** 8(1):77–85, Jan 76

Myoepithelial cells in human thymus: staining, polarization and fluorescence microscopic studies. Puchtler H, et al. **Histochemistry** 45(2):163–76, 21 Nov 75

Allotype suppression and production(?) by thymocytes and thymus-derived cells. pp. 111–8. Herzenberg LA, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.

Antigenicity of cultured thymocytes. Gulrukh AV, et al. **Indian J Med Res** 62(12):1902–5, Dec 74

Oxygen--effect on strand breaks and specific end-groups in DNA of irradiated thymocytes. Lennartz M, et al. **Int J Radiat Biol** 27(6):577–87, Jun 75

Proceedings: Delineation of distinct subpopulations of human thymus cells. Galili U, et al. **Isr J Med Sci** 11(12):1380–1, Dec 75

The T lymphocyte surface in development. A study of the electrokinetic, antigenic and ultrastructural properties of T lymphocytes in mouse thymus and lymph nodes. Zeiller K, et al. **Isr J Med Sci** 11(12):1242–66, Dec 75

Hematopoietic thymocyte precursors. I. Assay and kinetics of the appearance of progeny. Kadish JL, et al. **J Exp Med** 143(5):1082–99, 1 May 76

B lymphocytes in the guinea pig thymus are specifically localized in the central area. Baak JP, et al. **J Immunol** 117(2):463–6, Aug 76

The distribution of terminal deoxynucleotidyl transferase (TdT) among subsets of thymocytes in the rat. Barton R, et al. **J Immunol** 116(2):462–8, Feb 76

Development of rat mast cells in vitro. I. Differentiation of mast cells from thymus cells. Ishizaka T, et al. **J Immunol** 116(3):747–54, Mar 76

Letter: Are Pompidou's refringent lymphocytes thymus-dependent? Lindner DP, et al. **Lancet** 2(7882):724–5, 21 Sep 74

The kinetics of specific glucocorticoid binding in rat thymus cytosol: evidence for the existence of multiple binding states. Kaine JL, et al. **Mol Pharmacol** 11(5):578–87, Sep 75

Alkaline phosphatase positive lymphocytes (APPL) in the thymus, spleen, and lymph nodes of R rats and C3H mice and their biological significance. Repciuc E, et al. **Morphol Embryol (Bucur)** 22(2):139–41, Apr-Jun 76

Striated muscle fibres differentiate in monolayer cultures of adult thymus reticulum. Wekerle th, et al. **Nature** 256(5517):493–4, 7 Aug 75

Histological changes associated with enlargement and regression of the thymus glands of the red-billed quelea Quelea quelea L. (Ploceidae: weaver-birds). Bacchus S, et al. **Philos Trans R Soc Lond [Biol]** 273(923):65–78, 18 Dec 75

Development and function of subpopulations of thymocytes and T lymphocytes. Cantor H, et al. **Prog Allergy** 20:1–64, 1976 (259 ref.)

Lymphocyte subpopulations in the thymus. Droege W, et al. **Transplant Rev** 25:3–25, 1975 (63 ref.)

Naturally occurring antibody to human thymocytes in normal rabbit serum. Ablin RJ, et al. **Z Immunitaetsforsch** 148(3):208–12, Dec 74

[Influence of genital hormones on guinea pig thymus gland cytology] Bimes C, et al. **C R Soc Biol (Paris)** 169(1):233–8, 1975 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Cell selection in the thymus of mice treated with escherichia coli lipopolysaccharide (LPS). Uccini S, et al. **Adv Exp Med Biol** 66:95–9, 1976

Effect of treatment with cyclophosphamide on the electrophoretic mobility and mitogen responsiveness of mouse thymus cells. Dumont F, et al. **Biomedicine [Express]** 23(9):391–5, 10 Nov 75

Antiinflammatory activity and thymolytic effect of a new corticosteroid ester (I.S.F. 2073) by topical application. Banfi S, et al. **Curr Ther Res** 19(1):126–32, Jan 76

Long-term incubation of rat thymus cells: Cytolytic actions of glucocorticoids in vitro. Leung K, et al. **Endocrinology** 97(3):744–8, Sep 75

Regulation of immunologic response by hormones. pp. 271–81. Talwar GP, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Effects of dexamethasone on viscera and post natal development of neonatal rats. Jain KK. **Indian J Pediatr** 42(334):326–8, Nov 75

In vitro cortisone sensitivity of in vivo cortisone-resistant thymocytes. Weissman IL, et al. **Isr J Med Sci** 11(9):884–8, Sep 75

Effects of hydrocortisone on mouse thymus beta-galactosidase and glycolipid composition. Nishimura K, et al. **Jpn J Exp Med** 45(3):241–4, Jun 75

Uptake of 125I-iododeoxyuridine in mouse organs during deuteration of body water: evidence for a thymus-specific effect. Laissue JA, et al. **Life Sci** 19(5):641–7, 1 Sep 76

Morphological study of rat thymus after tumoral, non-tumoral antigens and thiamine pyrophosphate administration. Duțu R, et al. **Morphol Embryol (Bucur)** 21(2):139–43, 1975

Toxicity of organotin compounds. I. Atrophy of thymus and thymus-dependent lymphoid tissue in rats fed di-n-octyltindichloride. Seinen W, et al. **Toxicol Appl Pharmacol** 35(1):63–75, Jan 76

Lysolecithin induced membrane alterations in thymocytes. Effects of lysophosphatides possessing adjuvant and immuno-suppressive activities on cell agglutination by concanavalin A. Weltzien HU. **Z Naturforsch [C]** 30(6):785–92, Nov-Dec 75

[Relations between the thymus and sex hormones in the guinea pig] Bimes C, et al. **Zentralbl Veterinaermed [C]** 4(2):162–71, Jun 75 (Eng. Abstr.) **(Fre)**

[Thymus changes in chicks following treatment with small doses of insecticides] Giurgea R, et al. **Arch Exp Veterinaermed** 29(2):163–70, 1975 (Eng. Abstr.) **(Ger)**

[Reactions of the thymus gland and bursa of Fabricius to the administration of ACTH in ontogenic adrenal gland hypofunction] Giurgea R, et al. **Zentralbl Veterinaermed [A]** 22(6):485–92, Aug 75 (Eng. Abstr.) **(Ger)**

[Response of rat thymocytes of mitogens: standardization of a culture micromethod] Perocco P, et al. **Boll Soc Ital Biol Sper** 50(23–24):2093–9, 30 Dec 74 **(Ita)**

[Lytic action of hydrocortisone on thymus gland lymphoid cells] Kozlov VA, et al. **Dokl Akad Nauk SSSR** 223(6):1471–2, 21 Aug 75 **(Rus)**

[Effect of 7 days of administration of prednisolone and methandrostenolone on the incorporation of glycine-1-c14 into liver, thymus and splenic proteins] Sychev EA, et al. **Farmakol Toksikol** 38(2):214–6, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Morphological changes in the thymus against a background of immunization with bacterial and viral vaccines] Tegicheva IE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):135–6, May 75 **(Rus)**

EMBRYOLOGY

Relationship between Hassall's corpuscles and thymocytes fate in guinea-pig foetus. Senelar R, et al. **Biomedicine** 24(2):112–22, May 76 (86 ref.)

Development of lymphocyte populations in the human foetal thymus and spleen. Hayward AR, et al. **Clin Exp Immunol** 17(1):169–78, May 74

Development of lymphocyte populations in the human foetal thymus and spleen. Hayward AR, et al. **Clin Exp Immunol** 17(1):169–78, May 74

The morphogenesis of thymus in nude and normal mice. pp. 23–30. Hair J.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Morphologic and antigenic maturation of lymphocytes in the mouse thymus in vitro. Juhlin R, et al. **Scand J Immunol** 5(5):497–503, 1976

[Comparative study of thymus gland development in quail and chicken. Realization of thymic origin in these 2 species] Jotereau FV. **Arch Biol (Liege)** 86(2):139–61, 1975 (Eng. Abstr.) **(Fre)**

[Prenatal development of the thymus gland in the nu/nu mouse] Groscurth P. **Verh Anat Ges** 69:95–9, 1975 (Eng. Abstr.) **(Ger)**

[Extraction of calcitonin from fetal calf thymus] Holak H, et al. **Endokrynol Pol** 27(1):31–6, Jan-Feb 76 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Transcription of chromatin by an RNA polymerase of calf thymus which is sensitive to high concentrations of alpha-amanitin. Keshgegian AA, et al. **Arch Biochem Biophys** 169(2):545–54, Aug 75

Transcription of fractionated calf thymus chromatin by RNA polymerase of calf thymus and Escherichia coli. Henner D, et al. **Biochemistry** 14(21):4764–71, 21 Oct 75

DNA binding by cyclic adenosine 3',5'-monophosphate dependent protein kinase from calf thymus nuclei. Johnson EM, et al. **Biochemistry** 14(17):3873–84, 26 Aug 75

A mammalian nicking endonuclease. Lavin MF, et al. **Biochemistry** 15(11):2409–14, 1 Jun 76

Properties of cholera toxin- and NaF-stimulated adenylate cyclase from mouse thymocytes. Petrella VJ, et al. **Biochim Biophys Acta** 421(2):237–45, 24 Feb 76

Nuclear ribonucleoproteins as inhibitors of mammalian RNA polymerase. Stewart LE, et al. **Biochim Biophys Acta** 425(3):322–33, 17 Mar 76

Distinct ribonuclease H activities in calf thymus. Büsen W, et al. **Eur J Biochem** 52(1):179–90, 3 Mar 75

Evidence that DNA polymerase-alpha of calf thymus contains a subunit of molecular weight 155000. Holmes AM, et al. **Eur J Biochem** 62(2):229–35, 16 Feb 76

Early glucocorticoid-dependent stimulation of RNA polymerase B in rat thymus cells. Borthwick NM, et al. **FEBS Lett** 60(2):396–9, 15 Dec 75

Purification and properties of calf thymus polyadenosine diphosphate ribose polymerase. Okazaki H, et al. **FEBS Lett** 62(3):255–8, 1 Mar 76

Effects of polyamines on in vitro dna synthesis by DNA polymerases from calf thymus. Yoshida S, et al. **J Biochem (Tokyo)** 79(5):895–901, May 76

Single-stranded DNA structure and DNA polymerase activity in the presence of nucleic acid helix-unwinding proteins from calf thymus. Herrick G, et al. **J Biol Chem** 241(7):2142–6, 10 Apr 76

Deoxycytidine kinase from calf thymus. Substrate and inhibitor specificity. Krenitsky TA, et al. **J Biol Chem** 251(13):4055–61, 10 Jul 76

Synthetic inhibitors of Escherichia coli, calf thymus, and Ehrlich ascites tumor thymidylate synthetase. Kampf A, et al. **J Med Chem** 19(7):903–8, Jul 76

Transcription of DNA and chromatin with calf thymus RNA polymerase B in vitro. Cedar H. **J Mol Biol** 95(2):257–69, 25 Jun 75

Alterations of glycolipid glycosyltrasnferase levels in lymphoma and lymphoid tissues of lymphoma-bearing hamsters. Ishibashi T, et al. **J Natl Cancer Inst** 55(6):1433–6, Dec 75

L-tyrosine: 2-oxoglutarate aminotransferase induction by hydrocortisone in the thymus of the white rat. Abraham AD. **Mol Cell Biochem** 9(3):131–3, 31 Dec 75

Kinetics of alkaline phosphatase active cells in the thymus of growing rabbits. Marinescu D. **Morphol Embryol (Bucur)** 22(3):161–5, Jul-Sep 76 (Eng. Abstr.)

Duplication of single stranded DNA catalyzed by calf thymus DNA polymerase alpha. Wang E, et al. **Nucleic Acids Res** 3(1):129–47, Jan 76

De novo synthesis of a polymer of deoxyadenylate and deoxythymidylate by calf thymus DNA polymerase alpha. Henner D, et al. **Proc Natl Acad Sci USA** 72(10):3944–6, Oct 75

[Studies on cholinesterase activity in the rat thymus gland during the pre- and post-natal periods] Buscemi M, et al. **Boll Soc Ital Biol Sper** 51(6):347–9, 30 Mar 75 **(Ita)**

[Transcription of DNA by RNA polymerases of E. coli and calf thymus] Kozlov IuV, et al. **Mol Biol (Mosk)** 9(1):70–7, Jan-Feb 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Factors controlling growth and age involution of the rat thymus. Bellamy D, et al. **Age Ageing** 5(1):12–9, Feb 76

The early postnatal development of the thymus in the nude mouse. 2. Electron microscopic observations. pp. 36–42. Fukuda T, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

The postnatal development of the thymus in the nude mouse. 1. Light microscopic observations. pp. 31–6. Groscurth P, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Control of size and shape in the rodent thymus. pp. 401–8. Bellamy D.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Proceedings: Effects of bromocriptine and prolactin on thymus growth and thymus uptake of tritiated thymidine in mice of the Swiss and Bar Harbor 129 strains. Horrobin DF, et al. **J Endocrinol** 67(2):58P–59P, Nov 75

Histological development of the thymic and intestinal lymphoid tissue of the horse. Mackenzie CD. **J S Afr Vet Assoc** 46(1):47–55, Mar 75 (54 ref.)

Morphological changes in the thymus of young and adult red-billed queleas Quelea quelea (aves). Ward P, et al. **Philos Trans R Soc Lond [Biol]** 273(923):55–64, 18 Dec 75

[Postnatal development of the thymus gland in the nu/nu mouse] Töndury G. **Verh Anat Ges** 69:87–93, 1975 **(Ger)**

IMMUNOLOGY

The role of the thymus and thymic humoral factors in immunotherapy of aplastic and proliferative diseases of the hemopoietic system. Aleksandrowicz J, et al. **Acta Med Pol** 17(1):1–17, 1976 (97 ref.)

Lymphoid organs and amphibian immunity. Brown BA, et al. **Adv Exp Med Biol** 64:267–75, 1975

Structure and immunological function of lymphomyeloid organs in the bullfrog, Rana catesbeiana. Minagawa Y, et al. **Adv Exp Med Biol** 64:257–66, 1975

Clonal expansion and thymus dependence. Microculture experiments with TNP-lipopolysaccharide. Quintáns J, et al. **Adv Exp Med Biol** 66:101–6, 1976

Cell selection in the thymus of mice treated with escherichia coli lipopolysaccharide (LPS). Uccini S, et al.

Adv Exp Med Biol 66:95–9, 1976

Electron microscopic study on the immunological response of thymus after antigenic stimulation. Cieciura L, et al. **Ann Med Sect Pol Acad Sci** 20(2):65–6, 1975

The thymus in immunity. Miller JF. **Arb Paul Ehrlich Inst** (70):13–9, 1975

The influence of the thymus and bursa of Fabricius in chickens with Marek's disease (MD) infections. Shieh HK, et al. **Bibl Haematol** (43):396–9, Oct 75

The subunit structure of thymus leukemia antigens. Anundi H, et al. **Biochemistry** 14(23):5046–54, 18 Nov 75

Purification of murine thymus leukemia antigen (TL). A quantitative assessment of limited proteolysis. Wolcott M, et al. **Biochemistry** 14(22):4792–6, 4 Nov 75

Failure of 'thymus factor' to restore transplantation immunity in athymic mice. Pierpaoli W, et al. **Br J Exp Pathol** 56(2):180–2, Apr 75

The thymus dependence of S+G2 parameter in cell cycle of PHA-reactive rat lymphocytes. Dąbrowski MP. **Bull Pharm Res Inst (Takatsuki)** 23(9):589–95, 1975

Impaired host defense against XC cell-induced tumors in thymectomized and in bursectomized chickens. Lam KM, et al. **Cancer Res** 36(5):1710–3, May 76

B memory cells in the thymus: resistance to corticosteroid treatment in vivo and to anti theta treatment in vitro. Benner R, et al. **Cell Immunol** 14(1):151–4, Oct 74

Thymus cell traffic induced by antigen stimulation. Bernstein A, et al. **Cell Immunol** 14(2):171–81, Nov 74

Lymphocytes which differentiate in an allogeneic thymus. I. Response to MLC determinants and skin grafts from the thymus donor strain. Kindred B. **Cell Immunol** 25(2):189–96, Aug 76

Synergistic interactions between lymph node and thymus cells in response to antigenic differences limited to selected regions of the H-2 complex. Plate JM. **Cell Immunol** 21(1):121–32, Jan 76

The role of the thymus in the establishment of suppressor cells in liver chimeras. Umiel T, et al. **Cell Immunol** 23(2):232–9, May 76

Studies on thymus products. V. Influence of genetic selection based on antibody production on thymus hormone production. Dardenne M, et al. **Clin Exp Immunol** 17(2):339–44, Jun 74

Adherence of rabbit erythrocytes to guinea-pig brain structures. Evidence for antigenic correlation between guinea-pig thymus and brain? Denk H, et al. **Clin Exp Immunol** 21(1):181–4, Jul 75

Delayed hypersensitivity to muscle and thymus in myasthenia gravis and polymyositis. Goust JM, et al. **Clin Exp Immunol** 18(1):39–47, Sep 74

Delayed hypersensitivity to muscle and thymus in myasthenia gravis and polymyositis. Goust JM, et al. **Clin Exp Immunol** 18(1):39–47, Sep 74

In vitro culture of functional human thymic epithelium. Papiernik M, et al. **Clin Exp Immunol** 19(2):281–7, Feb 75

Differentiation of human bone marrow cells into T lymphocytes by in vitro incubation with thymic extracts. Touraine JL, et al. **Clin Exp Immunol** 17(1):151–8, May 74

Thymus dependence of the antibody response to tetanus toxoid in mice. Willcox HN. **Clin Exp Immunol** 22(2):341–7, Nov 75

The role of a thymus humoral factor in the proliferation of bone marrow CFU-S from thymectomized mice. Zipori D, et al. **Exp Hematol** 3(6):389–98, Nov 75

Trypanosoma gambiense: immunity with thymic cell transfer in mice. Takayanagi T, et al. **Exp Parasitol** 39(2):234–43, Apr 76

Induction of PHA response in mouse bone marrow cells by thymic extracts as studied by changes in the structuredness of cytoplasmic matrix. Cercek L, et al. **Immunology** 29(5):885–91, Nov 75

Distribution of electrophoretic mobilities of mouse thymocyte subpopulations in the presence of tumour cells. Jenkins R. **Immunology** 29(5):893–902, Nov 75

Inability of thymus cells from newborn donors to restore transplantation immunity in athymic mice. Pierpaoli W. **Immunology** 29(3):465–8, Sep 75

Production of donor allotype and suppression of host allotype in a thymocyte transfer system between BALB/c congenic mice. pp. 119–22. Bosma M, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.2.

Myasthenia gravis and thymic disease. pp. 311–5. Vetters JM.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.

Immunologic control of tumor development in the chicken. pp. 241–59. Linna TJ, et al.
In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.

Significance of IgG-binding cells in rheumatoid arthritis (rheumatoid rosettes): their possible relationship to thymic function. pp. 457–65. Bach JF, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (35 ref.)

The effect of irradiated thymus grafts from normal litter mates, NZB and BALB/c mice on the immune response of nude mice. pp. 167–73. Blankwater MJ, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Immune responses in nude mice injected with thymus cell suspensions or grafted with neonatal thymus. pp. 149–54. Kindred B, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Spontaneous autoimmunization in nude mice. pp. 243–9. Monier JC, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

In vivo and in vitro studies on immunological reconstitution of nude mice. pp. 175–181. Nieuwerkerk HT, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

The nude (nu/nu) mouse as a model of thymus and T-lymphocyte deficiency. pp. 127–39. Pritchard H, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p. (70 ref.)

Proceedings: Lack of inverse relationship between the net charge of thymus-independent immunogens and the responding spleen cells. Falkenberg F, et al. **Isr J Med Sci** 11(12):1377, Dec 75

Proceedings: Comparison of the immune response potential to T-dependent and T-independent synthetic polypeptides in newborn mice. Hardy B, et al. **Isr J Med Sci** 11(12):1377, Dec 75

Proceedings: Isolation and partial chemical characterization of thymus humoral factor, a thymic hormone involved in immune maturation of lymphoid cells. Kook AI, et al. **Isr J Med Sci** 11(12):1382, Dec 75

Proceedings: Increased mitogenic reactivity of lymphoid cells to T lectins induced by thymus humoral factor. Rotter V, et al. **Isr J Med Sci** 11(12):1381–2, Dec 75

Proceedings: Control of autoreactivity by a humoral factor of the thymus. Small M, et al. **Isr J Med Sci** 11(12):1382–3, Dec 75

Proceedings: Evidence for immunoregulation by a new thymic hormone during pregnancy. Blackstock JC, et al. **J Endocrinol** 69(3):41P–42P, Jun 76

Age-related changes in cell surface antigens of preleukemic AKR thymocytes. Kawashima K, et al. **J Exp Med** 144(1):193–208, 1 Jul 76

Thymic function in NZB mice. II. Regulatory influence of a circulating thymic factor on antibody production against polyvinylpyrrolidone in NZB mice. Bach MA, et al. **J Immunol** 117(3):760–4, Sep 76 **(Eng, Eng)**

Complement inhibitor(s) released by leukocytes. I. Pretreatment of sheep erythrocytes with supernatants of mouse spleen and thymus cells inhibit whole complement activity and C2 utilization. Bernard A, et al. **J Immunol** 115(4):1087–90, Oct 75

Complement inhibitor(s) released by leukocytes. III. Evidence for a 'new' C1 inhibitor in the supernatants of short-term cultures of mouse spleen and thymus cells. Bernard A, et al. **J Immunol** 115(4):1091–4, Oct 75

In vitro studies of the genetically determined unresponsiveness to thymus-independent antigens in CBA/N mice. Cohen PL, et al. **J Immunol** 116(2):301–4, Feb 76

Evidence for an abnormal microenvironment in the thymus of New Zealand black mice. Dauphinée MJ, et al. **J Immunol** 115(4):1054–9, Oct 75

Different mechanisms for the modulation of TL antigens on murine lymphoid cells. Esmon NL, et al. **J Immunol** 117(3):919–26, Sep 76

An indirect radioimmunoassay for thymus leukemia (TL) antigens. Esmon NL, et al. **J Immunol** 117(3):911–8, Sep 76

Studies on the antigenic determinants of the Thy-1.2 alloantigen as expressed by the murine lymphoblastoid line S-49.1 TB-2-3. Johnson BJ, et al. **J Immunol** 116(6):1669–72, Jun 76

Studies on human brain-thymus cross-reactive antigens. Maznina TP, et al. **J Immunol** 117(3):818–21, Sep 76

Characterization of T and B antigen-binding cells for beta-galactosidase. I. beta-galactosidase-binding cells in the thymus and spleen of normal mice. Swain S, et al. **J Immunol** 116(4):915–22, Apr 76

In vitro induction of cytotoxicity against syngeneic mastocytoma and its suppression by spleen and thymus cells from tumor-bearing mice. Takei F, et al. **J Immunol** 116(2):288–93, Feb 76

Transplantation of human cancers to nude mice and effects of thymus grafts. Schmidt M, et al. **J Natl Cancer Inst** 55(1):81–7, Jul 75

Absence of cellular hypersensitivity to muscle and thymic antigens in myasthenia gravis. Behan WM, et al. **J Neurol Neurosurg Psychiatry** 38(11):1039–47, Nov 75

Rosette forming cells, surface immunoglobulin-bearing cells and immunoglobulin-containing cells in the thymus of autoimmune diseases. Yoshida T. **Keio J Med** 24(4):297–310, Dec 75

Morphological study of the thymus of Jensen tumor-bearing rats after tumoral, non-tumoral antigens and thiamine diphosphate administration. Dumitrescu L, et al. **Morphol Embryol (Bucur)** 22(2):123–30, Apr-Jun 76 (Eng. Abstr.)

Detection of anti-acetylcholine receptor factors in serum and thymus from patients with myasthenia gravis. Mittag T, et al. **N Engl J Med** 294(13):691–4, 25 Mar 76

Immunological restoration of both thymectomised and athymic nude mice by a thymus factor. Ikehara S, et al. **Nature** 258(5533):535–7, 27 Nov 75

Cellular localisation and antigenic species specificity of thymic factors. Teodorczyk JA, et al. **Nature** 258(5536):617–9, 18 Dec 75

Kinetics of thymus-derived lymphocyte count changes in rats affected by graft-versus-host reaction. Klobušická M. **Neoplasma** 23(1):11–21, 1976

Abnormal response to minor histocompatibility antigens in Obese strain chickens. Jakobisiak M, et al. **Proc Natl Acad Sci USA** 73(8):2877–80, Aug 76

Reaction of thymus epithelial cells with antibodies to group A streptococcal polysaccharide. Lyampert IM, et al. **Scand J Immunol** 4(4):409–12, 1975

Thymus: central role in the immune system of the frog. Volpe EP, et al. **Science** 190(4219):1101–3, 12 Dec 75

The role of thymus and bone marrow cells in immunologic competence: Part I. Blackstock R, et al. **South Med J** 69(1):97–109, Jan 76

The role of thymus and bone marrow cells in immunologic competence: part II. Blackstock R, et al. **South Med J** 69(2):209–16, Feb 76

Suppressor activity of the human spleen and thymus. Sampson D, et al. **Surgery** 79(4):393–7, Apr 76

Quantitative isolation of mouse thymus leukemia antigen, TL. Stanton TH, et al. **Tissue Antigens** 7(3):158–64, Mar 76

The mode of action of thymic hormones and its relevance to T-cell differentiation. Bach JF. **Transplant Proc** 8(2):243–8, Jun 76

Editorial: 'Myasthenia gravis' or the autoimmunity, thymic disease, neuromuscular block poser. Goldstein G. **West J Med** 123(2):138–9, Aug 75

Antigenic correlations between brain and thymus. II. Further evidence for the organ specificity of the thymus-brain system in mice. Thiele HG, et al. **Z Immunitaetsforsch** 146(4):346–59, Feb 74

Thymus and bursa of Fabricius responses in chickens with non-tumoral forms of Rous sarcoma virus infections. Giurgea R, et al. **Zentralbl Veterinaermed [B]** 22(6):448–54, Aug 75

[Effect of thymic humoral factor (THF) in neonataly thymectomized and splenectomized mice (author's transl)] Springer O, et al. **Lijec Vjesn** 98(2):131–8, Mar 76 (Eng. Abstr.) **(Cro)**

[Role of thymic humoral faktor (THF) in hemopoietic tissues and effect of thf in neonatally thymectomized mice (author's transl)] Springer O, et al. **Lijec Vjesn** 98(2):67–76, Feb 76 (Eng. Abstr.) **(Cro)**

[Thymus hormones] Ruuskanen O, et al. **Duodecim** 92(6):277–9, 1976 **(Fin)**

[Proceedings: 'Natural' lymphocytotoxic antibodies in autoimmune Swan mice and in thymectomized mice] Robert M, et al. **Ann Immunol (Paris)** 126(3):366, Apr 75 **(Fre)**

[Comparison of reactivity and heterospecificity of normal and leukemic human cells towards animal anti-thymocyte serums. Cytotoxic activity] Goret P, et al. **C R Acad Sci [D] (Paris)** 279(12):1047–50, 16 Sep 74 **(Fre)**

[Does guidance of immunologic auto-tolerance fail in old age?] Fischer H, et al. **Verh Dtsch Ges Pathol** 59:126–7, 1975 **(Ger)**

[The effect of thymic hormone and growth hormone on the humoral immune response of rats (author's transl)] Schwarz JA, et al. **Z Immunitaetsforsch** 146(2):168–73, Nov 73 (Eng. Abstr.) **(Ger)**

[Effects of thymectomy on the natural bactericidal power of thymectomized mice] Moroni M, et al. **Boll Ist Sieroter Milan** 54(5):393–9, 20 Nov 75 (Eng. Abstr.) **(Ita)**

[Immunological tolerance and myastenia. The role of thymus in growth and differentiation (author's transl)] Simpson JA. **Riv Patol Nerv Ment** 95(4):376–88, Aug 74 (Eng. Abstr.) **(Ita)**

[Thymus gland and immunological mechanism] Kishimoto T. **Jpn J Clin Med** 33(6):2194–8, Jun 75 **(Jpn)**

[The regulatory role of the thymus gland in immunological response] Gliński W. **Przegl Dermatol** 63(3):363–70, May-Jun 76 (40 ref.) (Eng. Abstr.) **(Pol)**

[Distribution of a cross-reacting antigen common to epithelium and group A streptococci in human and animal tissues] Beletskaia LV, et al. **Biull Eksp Biol Med** 81(2):212–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Study of the thymus as a source of humoral factors stimulating antibody formation] Giulling EV, et al. **Biull Eksp Biol Med** 79(4):82–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Autoantibodies to the common antigenic determinant of group A streptococcal polysaccharide and epithelial cells of mammalian thymus and skin] Liampert IM, et al. **Biull Eksp Biol Med** 81(5):570–2, May 76 (Eng. Abstr.) **(Rus)**

[Effect of fibroblasts from monolayer cultures of hematopoietic and lymphoid tissue on the immune response in vitro] Sidorenko AV, et al. **Biull Eksp Biol Med** 80(12):62–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of intrathymus infections of cells and subcellular fractions of the donor's spleen on the reaction skin allotransplant rejection in rabbits] Imambaev SE, et al. **Eksp Khir Anesteziol** (3):53–5, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Immunobiological and physiological significance of the thymus] Ado VA. **Zh Mikrobiol Epidemiol Immunobiol** (4):17–23, Apr 75 **(Rus)**

[Kinetics of the immune response following syngenous transfer of bone marrow, thymus and spleen cells from donors under the influence of previously administered antigen] Iakovchenko VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):100–4, 1976 (Eng. Abstr.) **(Rus)**

[Clinico-immunologic correlations in a study of antithymic antibodies in schizophrenia] Domashneva IV, et al. **Zh Nevropatol Psikhiatr** 16(1):78–81, 1976 (Eng. Abstr.) **(Rus)**

[Specific substances of the thymus reacting with thymus-dependant antigens] Bezvershenko IA, et al. **Ukr Biokhim Zh** 47(1):85–9, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

DNA synthesis in the thymus of the adult newt Notophthalmus viridescens. Hightower JA. **Acta Anat (Basel)** 92(3):454–66, 1975

Inhibitory effect of prostaglandin E2 on the incorporation of 3H-thymidine into the DNA of thymus cells. Tóth M, et al. **Acta Biochim Biophys Acad Sci Hung** 10(3):161–9, 1975

Detection of iodine-accumulationg cells of the thymus in tissue cultures. Csaba G, et al. **Acta Biol Acad Sci Hung** 25(4):269–74, 1974

Binding of cytochrome C with membranes of rapidly dividing thymocites. Dancheva KI, et al. **Agressologie** 16 Spec No C:13–7, 1975

Circadian rhythm in DNA synthesis in mouse thymus: effect of altered lighting regimens, restricted feeding and presence of Ehrlich ascites tumor. Pauly JE_0 et al. **Anat Rec** 184(3):275–84, Mar 76

Action of concanavalin A on thymocytes studied by a fluorescent probe. Akedo H, et al. **Biochem Biophys Res Commun** 71(2):499–505, 26 Jul 76

Concanavalin A induced glucocorticoid resistance in rat thymocytes in relation to glucose metabolism and glucocorticoid receptors. Cidlowski JA. **Biochem Biophys Res Commun** 67(1):463–70, 3 Nov 75

Phosphorylated sites of calf thymus H2B histone by adenosine 3':5'-monophosphate-dependent protein kinase from bovine cerebellum. Kuroda Y, et al. **Biochem Biophys Res Commun** 71(2):629–35, 26 Jul 76

Cooperativity in concanavalin A-binding to thymocyte membranes: correlation with polymerization of a receptor glycoprotein. Schmidt-Tllrich R, et al. **Biochem Biophys Res Commun** 69(4):1011–8, 19 Apr 76

Transformation of glucocorticoid-receptor complex from rat thymocytes and its accumulation in chromatin in a cell-free system. Andreasen PA. **Biochim Biophys Acta** 428(3):792–807, 28 May 76

Evidence for the presence in calf thymus of a peptidic factor controlling DNA transcription in vitro. Gianfranceschi GL, et al. **Biochim Biophys Acta** 414(1):9–19, 18 Nov 75

Prostaglandin E1 high affinity binding sites of rat thymocytes. Specificity and blockade by non-steroidal antiinflammatory drugs and localization in a plasma membrane-enriched fraction. Grunnet I, et al. **Biochim Biophys Acta** 419(2):365–78, 21 Jan 76

Effects of irradiation on RNA synthesis primed by calf thymus deoxyribonucleoprotein treated with salt and salt-urea. Kobayashi T, et al. **Biochim Biophys Acta** 425(4):396–400, 2 Apr 76

Involvement of sulfhydryl groups in the action of the insulin and radiation on thymocyte Na+-dependent amino acid transport. Kwock L, et al. **Biochim Biophys Acta** 419(1):93–103, 8 Jan 76

Studies on the glycolipids of sheep thymus and of normal and concanavalin A-stimulated sheep peripheral lymphocytes. Narasimhan R, et al. **Biochim Biophys Acta** 431(3):578–91, 22 Jun 76

The involvement of receptro sulphydryl groups in the binding of steroids to the cytoplasmic glucocorticoid receptor from rat thymus. Rees AM, et al. **Biochim Biophys Acta** 411(1):121–32, 10 Nov 75

Concanavalin A stimulation modifies the lipid and protein structure or rabbit thymocyte plasma membranes. A laser raman study. Schmidt-Ullrich R, et al. **Biochim Biophys Acta** 426(3):477–88, 19 Mar 76

The dependence of specific nuclear binding of glucocorticoids by rat thymus cells on cellular ATP levels. Sloman JC, et al. **Biochim Biophys Acta** 428(2):403–13, 23 Apr 76

Formation of adenosine 3',5'-monophosphate from adenosine in mouse thymocytes. Zenser TV. **Biochim Biophys Acta** 404(2):202–13, 9 Oct 75

Isotope-dilution studies of the effects of 5-fluorodeoxyuridine and hydroxyurea on the incorporation of deoxycytidine and thymidine by cultured thymus cells. Scott FW, et al. **Can J Biochem** 54(3):238–48, Mar 76

Tissue distribution and mode of DNA methylation in mice by methyl methanesulphonate and N-methyl-N'-nitro-N-nitrosoguanidine: lack of thymic lymphoma induction and low extent of methylation of target tissue DNA at 0-6 of guanine. Frei JV, et al. **Chem Biol Interact** 13(3–4):215–22, Jun 76

Changes in cortisol binding to soluble receptor proteins in rat liver and thymus during development and ageing. Petrović JS, et al. **Dev Biol** 45(1):176–82, Jul 75

Binding of insulin to thymocytes from suckling and hypophysectomized rats: evidence for two mechanisms regulating insulin sensitivity. Goldfine ID. **Endocrinology** 97(4):948–54, Oct 75

Cooperative binding of concanavalin A to thymocytes at 4 degrees C and micro-redistribution of concanavalin A receptors. Bornens M, et al. **Eur J Biochem** 65(1):61–9, 17 May 76

The effect of radiation on processing of nuclear RNA and chromatin ribonuclease activity in rat liver and thymus. Tokarskaya VI, et al. **Int J Radiat Biol** 27(6):533–42, Jun 75

Activities of thyroid hormones and related compounds in an in vitro thymocyte assay. Goldfine ID, et al. **J Biol Chem** 251(14):4233–8, 25 Jul 76

Calcium-dependent stimulation of 3-O-methylglucose uptake in rat thymocytes by the divalent cation ionophore A23187. Reeves JP. **J Biol Chem** 250(24):9428–30, 25 Dec 75

Stimulation of 3-O-methylglucose transport by anaerobiosis in rat thymocytes. Reeves JP. **J Biol Chem** 250(24):9413–20, 25 Dec 75

Proceedings: ATP, cyclic AMP and the regulation of corticosteroid binding by rat thymus cells in vitro. Sloman JC, et al. **J Endocrinol** 67(2):27P, Nov 75

Steroid-binding properties of corticosteroid receptors in different target tissues of the rat. Stark E, et al. **J Steroid Biochem** 6(7):1127–30, Jul 75

Energy metabolism of isolated rat thymus cells. Cittadini A, et al. **Mol Cell Biochem** 8(1):49–57, 31 Jul 75

Glucocorticoid receptors and lymphocytolysis in normal and neoplastic lymphocytes. Turnell RW, et al. **Mol Cell Biochem** 9(3):175–89, 31 Dec 75

Dynamics of nucleic acids and total proteins in the thymus and the bursa of Fabricius of chickens with Rous sarcoma. Toma V, et al. **Zentralbl Veterinaermed [B]** 23(7):536–41, Aug 76

[Effect of cortisol and cortisol-transcortin complex on transcription in calf thymus chromatin] Savart M, et al. **C R Acad Sci [D] (Paris)** 281(20):1517–20, 17 Nov 75 (Eng. Abstr.) **(Fre)**

[Active transport of calcium in thymocytes] Jodin C, et al. **C R Soc Biol (Paris)** 169(5):1315–9, 1975 (Eng. Abstr.) **(Fre)**

[Comparative studies of the cyclic AMP content and renewal of this nucleotide in thymic, splenic and lymph-node lymphocytes in adult rats] Spach G, et al. **J Physiol (Paris)** 70(1):77–83, May 75 (Eng. Abstr.) **(Fre)**

[Steroid metabolism and histochemistry of fetal lungs and thymus] Schindler AE, et al. **Endokrinologie** 64(1):47–57, 1974 (Eng. Abstr.) **(Ger)**

[Incorporation of thymidine-H3 into the DNP of rat tissues following a single injection of DNA] Rysina TN. **Biull Eksp Biol Med** 81(5):533–4, May 76 (Eng. Abstr.) **(Rus)**

[DNA metabolism in radiosensitive tissues of rats during prolonged gamma-radiation] Elkina NI. **Radiobiologiia** 16(1):30–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of ionizing radiation on RNA metabolism. 2. Kinetics of nuclear RNA decomposition in irradiated rat organs] Umanskil SR, et al. **Radiobiologiia** 15(6):807–11, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

In vitro activation, infectivity, and production of endogenous type-C virus from OM rats. Lennette ET, et al. **J Natl Cancer Inst** 55(6):1363–7, Dec 75

[Presence of RNA-and DNA-tumor viruses within a cell line from mouse spleen and thymus (author's transl) Widmaier R, et al. **Arch Geschwulstforsch** 45(5):502–9, 1975 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Thymus dependence of tapeworm (Hymenolepis diminuta) elimination from mice. Isaak DD, et al. **Infect Immun** 12(6):1478–9, Dec 75

PATHOLOGY

Cervical thymic cysts. Johnsen NJ, et al. **Acta Otolaryngol (Stockh)** 82(1–2):143–6, Jul–Aug 76

Clinical, immunological and histopathological evidence for thymic deficiency in Down's syndrome (mongolism). Schlesinger M, et al. **Adv Exp Med Biol** 66:665–71, 1976

Pathogenesis of duck plague in the bursa of Fabricius, thymus, and spleen. Proctor SJ. **Am J Vet Res** 37(4):427–31, Apr 76

Severe combined immunodeficiency with thymic mast cell hyperplasia. Wise WS, et al. **Arch Pathol Lab Med** 100(5):283–6, May 76

Effect of a 22-day space flight on the lymphoid organs of rats. Durnova GN, et al. **Aviat Space Environ Med** 47(6):588–91, Jun 76

Small infant thymus in cases of fatal feto-maternal transfusion. Ellis J, et al. **Br Med J** 1(6011):694, 20 Mar 76

Letter: Small thymus in anaemia. Harris PF. **Br Med J** 1(6017):1076, 1 May 76

Microfluorometry of nuclear acridine orange metachromasia in lymphocytes of thymus, spleen, and blood of AKR and random-bred mice. Alvarez MR. **Cancer Res** 36(3):895–900, Mar 76

A reappraisal of the significance of thymic germinal centers in myasthenia gravis. Leong AS, et al. **Eur Neurol** 14(1):53–9, 1976

Cervical thymic cyst. Sood VP, et al. **Eye Ear Nose Throat Mon** 55(3):99–101, Mar 76

The relationship between the histopathology of the thymus gland and the effect of thymectomy in myasthenia gravis. pp. 517–21. Oosterhuis HJ. **In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.**

Germinal centre and plasma cell reaction of the thymus in rheumatic heart disease. Bhuyan UN. **Indian J Med Res** 63(7):970–8, Jul 75

Abnormalities of thymus and results of thymectomy in myasthenia gravis. Correlative clinical, histologic and immunofluorescent studies. Bhuyan UN, et al. **Indian J Med Res** 63(10):1451–8, Oct 75

Evidence for reproductive death of dividing cells in thymus and spleen following whole-body gamma-irradiation of mice. Suciu D, et al. **Int J Radiat Biol** 28(5):409–16, Nov 75

Proceedings: Histopathological changes in the thymus in children with Down's syndrome. Schlesinger M, et al. **Isr J Med Sci** 12(1):79, Jan 76

The influence of the thymus on multinucleate giant cell formation. Papadimitriou JM. **J Pathol** 118(3):153–6, Mar 76

Thymus in Hashimoto's disease and focal chronic lymphoid thyroiditis. Shimabukuro K, et al. **Keio J Med** 24(4):275–87, Dec 75

Appearance of a syndrome similar to graft versus host reaction in C57 B1/6 mice bearing skin allogenic graft. Nedelea M, et al. **Morphol Embryol (Bucur)** 21(4):299–304, 1975

Cervical thymic cyst. Freifeld S, et al. **NY State J Med** 75(14):2553–4, Dec 75

An intrapulmonary teratoma associated with thymic tissue. Day DW, et al. **Thorax** 30(5):582–7, Oct 75

Thymic diseases as revealed by a series of consecutive thymectomies and biopsies from the thymus. Sundström C. **Ups J Med Sci** 81(1):18–22, 1976

[The thymus gland and sudden infant death syndrome (SIDS)] Baak JP. **Ned Tijdschr Geneeskd** 119(43):1676–8, 25 Oct 75 **(Dut)**

[Histopathological changes in the thymus of the white mouse after infection with Toxoplasma gondii (author's transl)] Pelster B, et al. **Z Parasitenkd** 49(2):113–25, 30 Apr 76 (Eng. Abstr.) **(Ger)**

Preliminary clinico-electroymographic research on the effects of thymectomy in myasthenia gravis Savoldi F, et al. **Riv Neurol** 45(2):176–88, Apr–Jun 75 **(Ita)**

[Acute pulmonary fibrosis--an autopsy case with chronic thyroiditis, wire loop glomerular lesions and follicle formation in the thymus] Furuta M, et al. **Jpn J Clin Med** 33(11):3327–30, 10 Nov 75 **(Jpn)**

[Transformation of the thymus in disseminated sclerosis] Matveeva TV, et al. **Zh Nevropatol Psikhiatr** 74(2):186–8, 1974 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Studies elucidating the importance of thymus on the degree of increased blood pressure and vascular disease in renal hypertensive mice. A comparison of the disease in nude and haired littermates. Svendsen UG. **Acta Pathol Microbiol Scand [A]** 83(5):568–72, Sep 75

The role of thymus for the development and prognosis of hypertension and hypertensive vascular disease in mice following renal infarction. Svendsen UG. **Acta Pathol Microbiol Scand [A]** 84(3):235–43, May 76

The need for transcription and translation for differentiation of bone marrow cells by thymic factors in man. Incefy GS, et al. **Adv Exp Med Biol** 66:41–50, 1976

Regulation of thymic lymphopoiesis in vitro. Juhlin R, et al. **Adv Exp Med Biol** 66:209–14, 1976

Thymic function in amphibians. Manning MJ, et al. **Adv Exp Med Biol** 64:353–62, 1975

The endocrine role of the thymus and its hormone, thymosin, in the regulation of the growth and maturation of host immunological competence. White A, et al. **Adv Metab Disord** 8:359–74, 1975 (58 ref.)

Effect of thymectomy on zoxazolamine paralysis and metabolism in untreated and (PCN) pregnenolone-16alpha-carbonitril- or ACTH-pretreated rats. Szabo S, et al. **Arch Int Pharmacodyn Ther** 215(2):208–14, Jun 75

The effect of thymectomy on the lymphoid tissues of the quok'a (Setonix brachyurus). Ashman RB, et al. **Aust J Exp Biol Med Sci** 53(2):129–36, Apr 75

Role of the thymus in suppression of immune responses in newborn rats. McCullagh P. **Aust J Exp Biol Med Sci** 53(5):413–20, Oct 76

The phenethylamine hypothesis of thymic homeostasis. Fischer E. **Biol Psychiatry** 10(6):667–73, Dec 75

Humoral lymphocytopoietic factor in thymectomized Triturus cristatus. Garavini C. **Boll Soc Ital Biol Sper** 51(18):1109–12, 30 Sep 75

Analysis of time dependent changes of lymphopoietic activity in organ cultures of embryonic chicken thymus. Juhlin R, et al. **Cell Tissue Kinet** 8(6):569–77, Nov 75

Studies on the regulation of lymphocyte production in the murine thymus and some effects of a crude thymus extract.

Olsson L, et al. **Cell Tissue Kinet** 8(5):491–502, Sep 75

In vitro differentiation of human marrow cells into T lymphocytes by thymic extracts using the rosette technique. Incefy GS, et al. **Clin Exp Immunol** 19(3):475–83, Mar 75

Role of the thymus in programming of neuroendocrine functions. Pierpaoli W, et al. **Clin Exp Immunol** 20(2):323–8, May 75

Interdependence of thymic and neuroendocrine functions in ontogeny. Pierpaoli W, et al. **Clin Exp Immunol** 24(3):501–6, Jun 76

In vitro response of bovine thoracic duct lymphocyte to phytohaemagglutinin following adult thymectomy. Sharbaugh RJ, et al. **Clin Exp Immunol** 25(2):342–6, Aug 76

A thymic factor increasing the blood sugar level. Csaba G. **Endokrinologie** 65(2):198–204, 1975 (Eng. Abstr.)

Dual effects of thymic substance(s) on growth of cultured mammalian cells. Aoyama T, et al. **Exp Cell Res** 93(2):427–37, Jul 75

Thymic influence of proliferation and interaction of fractionated spleen cells of mice. Paljak-Blaži M, et al. **Exp Hematol** 4(3):180–5, May 76

Substance reacting with SRBC (sheep red blood cells) and rabbit IgG: isolation from thymus and spleen. Bezvershenko IA. **FEBS Lett** 61(1):91–4, 01 Jan 76

Study of thymus and peripheral lymphocyte populations characterized by the dominant nucleolar type. Dráber P, et al. **Folia Biol (Praha)** 21(6):387–99, 1975

The polycystic organ in senescent athymic nude mice and in euthymic mice. Holub M, et al. **Folia Biol (Praha)** 21(6):382–6, 1975

Disturbance in female reproductive function in neonatally thymectomized mice. pp 171–80. Nishizuka Y, et al.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

Premature autoimmune processes in nude mice. pp. 235–42. Pantelouris EM.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Depigmentation of vitiliginous appearance in 'nude' mice. pp. 227–33. Thivolet J, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Tumour metastasis in mice with reduced immune reactivity. III. Studies with three weakly antigenic tumours in thymectomized and/or sub-lethally irradiated mice. Suurküla M, et al. **Int J Cancer** 16(3):404–12, 15 Sep 75

Interferon production in athymic nude mice. Pantelouris EM, et al. **J Gen Virol** 32(1):149–52, Jul 76

Effect of neonatal thymectomy on follicle numbers in the post-natal mouse ovary. Lintern-Moore S, et al.
Mech Ageing Dev 5(4):235–9, Jul-Aug 76

Thymic factor in human sera demonstrable by a cyclic AMP assay. Astaldi A, et al. **Nature** 260(5553):713–5, 22 Apr 76

The influence of pinealectomy and of pinealectomy combined with thymectomy oncogenesis caused by polyoma virus in rats. Wrba H, et al. **Osterr Z Onkol** 2(2–3):37–9, 1975

EMMA-4 analysis of iron in cells of the thymic cortex of a weaver-bird (Quelea quelea). Kendall MD.
Philos Trans R Soc Lond [Biol] 273(923):79–82, 18 Dec 75

[Megakaryocyte-stimulating myelotropic thymic factor. Preliminary note] Pittoni G, et al. **Riv Biol** 67(4):445–51, Oct–Dec 74 **(Eng, Ita)**

[Modifications in time of the electrocardiogram by sensitization of adult guineau pigs either thymectomized or not] Tzekov T, et al. **Agressologie** 16(2):85–8, 1975 (Eng. Abstr.) **(Fre)**

[Hypothalamo-hypophysial-thymic axis in the rat] Deschaux P, et al. **Arch Int Physiol Biochim** 83(3):423–34, Aug 75 (Eng. Abstr.) **(Fre)**

[Role of 2 thymus extracts in protection mechanisms against microbial infection] Deschaux P, et al.
C R Acad Sci [D] (Paris) 281(19):1443–5, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Further phases of purification of the thymus factor acting on lipid metabolism] Mondola P, et al.
Boll Soc Ital Biol Sper 52(5):323–8, 15 Mar 76 **(Ita)**

[Action of bovine thymus gland in various phases of development on lipid metabolism in rats] Mondola P, et al. **Boll Soc Ital Biol Sper** 52(5):318–21, 15 Mar 76 **(Ita)**

[Proliferative ability of lymphocytes obtained from aging rats thymectomized during neonatal period] Dąbrowski M, et al. **Reumatologia** 14(1):43–6, 1976 (Eng. Abstr.) **(Pol)**

[Role of the thymus in development of immunity in children] Georgmăneanu M, et al.
Rev Pediatr Obstet Ginecol [Pediatr] 24(4):289–96, Oct–Dec 75 **(Rum)**

[Analysis of the mitotic activity of the lymphoid cells of the thymus in relation to age] Chkholariia ND.
Arkh Anat Gistol Embriol 69(11):25–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Effect of the lining of the thymus gland on hematopoietic stem cell kinetics in a suspension of embryonic mouse liver] Manakova TE. **Biull Eksp Biol Med** 79(5):97–9, May 75 (Eng. Abstr.) **(Rus)**

[Restoration of antibody synthesis by means of thymus extract in neonatally thymectomized animals] Giulling EV, et al. **Probl Endokrinol (Mosk)** 21(4):98–101, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Bone marrow lymphocytes (B-cells) in intact and thymus-deficient dogs and monkeys] Gurevich OA, et al. **Vestn Akad Med Nauk SSSR** (2):79–82, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The endocrine thymus: potential role for thymosin in the treatment of autoimmune disease. Goldstein AL, et al.
Ann NY Acad Sci 274:390–401, 1976 (44 ref.)

Letters: Think of the thymus. Simmons VP. **Pediatrics** 57(2):296, Feb 76

Relationship between age and thymic function in the development of leukemia in AKR mice. Gershwin RJ, et al. **Proc Soc Exp Biol Med** 152(3):403–7, Jul 76

Thymic regeneration in lethally x-irradiated mice. Sharp JG, et al. **Radiat Res** 64(2):293–305, Nov 75

Effect of the thymus on erythropoietin production in response to hypobaric hypoxia in mice. McGarry MP, et al. **Res Commun Chem Pathol Pharmacol** 14(3):535–42, Jul 76

Myasthenia gravis and the thymus gland. **West J Med** 123(2):123–7, Aug 75

[Histomorphological changes in the lymphoid and internal organs of adult guinea pigs in anaphylactic shock, induced 8 months after thymectomy] Markov D, et al.
Eksp Med Morfol 15(1):18–23, 1976 (Eng. Abstr.) **(Bul)**

[Thymus and lymphatic organs in protein and calorie malnutrition states (author's transl)] Maamouri MT, et al.
Arch Anat Cytol Pathol 24(1):37–42, 1976 (Eng. Abstr.) **(Fre)**

[Proceedings: Thymus-pituitary gland system in Snell-Bagg pituitary dwarf mice] Okochi E, et al.
J Physiol Soc Jpn 36(8–9):403, 1 Sep 74 **(Jpn)**

[Myasthenia gravis and the thymus gland] Masaoka A.
Jpn J Clin Med 33(6):2188–93, Jun 75 **(Jpn)**

RADIATION EFFECTS

Radiation elicited changes in bursa of Fabricius and thymus during the ontogeny of chickens. Giurgea R, et al.
Acta Vet Acad Sci Hung 25(2–3):205–9, 1975

Cellular repopulation and recovery of the phytogemagglutinine (PHA) responding cell pool in the thymus of sublethally irradiated mice. Hiesche KD, et al.
Beitr Pathol 156(1):46–55, Sep 75

Radiation-induced decrease in influx rates of potassium ions into thymocytes in vitro in relation to decreased intracellular adenosine triphosphate concentrations. Chapman IV, et al. **Int J Radiat Biol** 28(2):155–63, Aug 75

Letter: Modification of end-groups in DNA strand breaks of irradiated thymocytes during early repair. Lennartz M, et al. **Int J Radiat Biol** 28(2):181–5, Aug 75

The effect of ionizing radiation on calf thymus deoxyribonucleoprotein as a template for RNA synthesis. Hayashi M. **Jpn J Vet Res** 23(3):107, Jul 75

Protection of lethally irradiated mice with allogeneic fetal liver cells: influence of irradiation dose on immunologic reconstitution. Tulunay O, et al.
Proc Natl Acad Sci USA 72(10):4100–4, Oct 75

Release and retention of labelled DNA in the thymus and spleen of irradiated mice. Suciu D, et al.
Strahlentherapie 151(2):156–61, Feb 76

[Comparative study of the action of x-rays (LD 50/30) on the thymus and bursa of Fabricius in young Wyandotte breed chicks (Gallus domesticus)] Catalini N, et al.
Riv Biol 38(3):165–92, Jul-Sep 75 **(Ita)**

[Repair and degradation of DNA in irradiated rat thymocytes] Ivannik BP, et al. **Radiobiologiia** 15(4):500–5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of prolonged gamma-irradiation of rats on the biosynthesis of pyrimidine ribonucleotides] Koshcheenko NN, et al. **Radiobiologiia** 15(5):651–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Influence of radiation on the phosphorylation of nuclear proteins in the liver and thymus of rats] Umanskiĭ SR, et al. **Radiobiologiia** 15(4):526–30, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Study of the decomposition of nuclear chromatin of the thymus gland in post-irradiation dynamics] Vodolazskaia NA. **Radiobiologiia** 15(4):619–21, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Study of the degradation products of DNP from the rat thymus by the method of gel filtration on Sepharose 4B and ultracentrifugation in a sucrose gradient] Vodolazskaia NA, et al. **Radiobiologiia** 15(5):738–41, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The extent of the inferior border of the thymus: a report of two cases in infants. Fisher RM, et al. **Br J Radiol** 48(574):814–6, Oct 75

SECRETION

Studies on thymus products. V. Influence of genetic selection based on antibody production on thymus hormone production. Dardenne M, et al. **Clin Exp Immunol** 17(2):339–44, Jun 74

Pharmacological aspects of neuromuscular transmission in the thymus deficient nude (Nu/Nu) mouse. Wolfe AF, et al. **Exp Neurol** 51(2):503–9, May 76

Evaluation of serum thymic hormone and of circulating T cells in rheumatoid arthritis and in systemic lupus erythematosus. Bach JF, et al. **Rheumatology** 6:242–50, 1975

[Endocrine function of the thymus] Kostadinov D.
Vutr Boles 14(5):11–20, 1975 (105 ref.) **(Bul)**

SURGERY

[Cyst of the thymus gland. Report of a case treated surgically] Stolf NA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):127–9, Mar-Apr 76 (Eng. Abstr.) **(Por)**

[Sternotomy in operations on the thymus (method prevention and treatment of wound infection)] Gadzhiev SA, et al.
Grudn Khir (4):92–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Thymus transplantation. Reconstitution of cellular immunity in a four-year-old patient with T-cell deficiency. Businco L, et al. **Clin Exp Immunol** 21(1):32–38, Jul 75

Reconstitution of defective cellular immunity with foetal thymus and dialysable transfer factor. Long-term studies in a patient with chronic mucocutaneous candidiasis. Kirkpatrick CH, et al. **Clin Exp Immunol** 23(3):414–28, Mar 76

Restoration of impaired immune functions in aging animals. II. Effect of syngeneic thymus and bone marrow grafts. Hirokawa K, et al. **Clin Immunol Immunopathol** 5(3):371–6, May 76

On the role of the reticular-epithelial complex in transplantation of the thymus. Bellamy D, et al.
Differentiation 3(1–3):115–21, 11 Aug 75

Relationship between age of allogeneic thymus donor and immunological restoration of athymic ('nude') mice. Radov LA, et al. **Immunology** 29(6):977–88, Dec 75

Immunofluorescence study of T cell differentiation in allogeneic thymus-grafted nudes. pp. 141–7. Loor F, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Suppression of antibody responses in allogeneic mice by products of lymphoid tissue. I. Allogeneic suppressive factor (ASF) from spleens repopulated with thymus cells. Yonkosky D, et al. **J Immunol** 116(6):1688–94, Jun 76

Attempts of application of the immunotherapy of proliferative and aplastic diseases of the hemopoietic system with thymic hormone. Aleksandrowicz J.
Mater Med Pol 8(1):58–64, Jan–Mar 76

Editorial: Immunologic reconstitution with fetal tissue. Githens JH. **N Engl J Med** 294(20):1116–7, 13 May 76

Role of thymus grafting in treatment of immunodeficiency. Watson JG, et al. **Proc R Soc Med** 68(9):578–80, Sep 75

Thymus transplantation in patients with thymic hypoplasia and abnormal immunoglobulin synthesis. Ammann AJ, et al. **Transplantation** 20(6):457–66, Dec 75

[Influence of allogeneic thymocytes on radioleukemogenesis in AKR-T1ALD mice] Legrand E, et al. **Biomedicine** 22(4):303–10, Jul 75 (Eng. Abstr.) **(Fre)**

[Effect of transplantation of lymphoid and bone marrow cells on the immune response following immunization of mouse strains little or highly reactive to the antigen] Petrov RV, et al. **Biull Eksp Biol Med** 81(3):335–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Case of implantation of human fetal thymus on the immunological reactivity in patients with Hodgkin's disease] Pekić B, et al. **Bilt Hematol Transfuz** 3(1–2):105–19, 1975 (Eng. Abstr.) **(Ser)**

ULTRASTRUCTURE

Cilia-forming potentials of endocrine organs originating from the foregut. Kapa E, et al. **Acta Anat (Basel)** 95(3):444–51, 1976

Ultrastructural investigation of thymus of female mice treated with estradiol. Myśliwska J, et al.
Ann Med Sect Pol Acad Sci 21(1–2):87–8, 1976

Morphological changes of thymus and the thyroid gland after postnatal extirpation of pineal body. Csaba G, et al.
Endocrinol Exp (Bratisl) 9(1):59–67, Jan 75

The quantitative protein composition of calf thymus chromatin. Sonnenbichler J, et al.
Hoppe Seylers Z Physiol Chem 356(5):599–603, May 75

Electron microscopic observation of the thymus and lymph nodes of the nude mouse. pp. 43–50. Tamaoki N, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Fine structure of chicken thymic epithelial vesicles. Isler H.
J Cell Sci 20(1):135–47, Jan 76

Proceedings: An EM study of human thymus. Williams WJ, et al. **J Clin Pathol** 28(9):757, Sep 75

Effect of growth hormone on surface charge and electrophoretic mobility of thymocytes from young and aged rats. Hanjan SN, et al. **Mol Cell Endocrinol** 3(3):185–201, Sep 75

Ultrastructure of the human thymus, thymic tumors, and myasthenia gravis. Bloodworth JM Jr, et al.
Pathol Annu 10:329–91, 1975 (107 ref.)

[A chronological study of thymic crystalline inclusions and autoimmune disorders in Swan and NZB mice (author's transl)] Schmitt D, et al. **Ann Immunol (Paris)** 126C(4):399–410, Jun-Jul 75 **(Fre)**

[Proceedings: Endocrine cells in the rat thymus] Bollmann R. **Verh Dtsch Ges Pathol** 59:460, 1975 **(Ger)**

[Morphological observations of immunocompetent mouse thymus cells (author's transl)] Konda S, et al.

Acta Haematol Jpn 37(5):689–90, Oct 74 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of rat thymus in early stages of magnesium deficiency] Dubiel-Bigaj M. **Patol Pol** 26(3):359–67, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

[Possible relation between thymosine-like low activity in the serum of Swan mice (antinuclear swiss) and the formation of crystals in the epithelium of their thymus] Schmitt DM, et al. **Med Cutan Iber Lat Am** 2(6):437–9, 1974 (Eng. Abstr.) **(Spa)**

THYMUS HYPERPLASIA

Thymic diseases as revealed by a series of consecutive thymectomies and biopsies from the thymus. Sundström C. **Ups J Med Sci** 81(1):18–22, 1976

COMPLICATIONS

Letter: A case of severe combined immunodeficiency with thymic mast cell hyperplasia. **Med Hypotheses** 1(4):169–70, Jul–Aug 75

[Benign hyperplasia of the thymus gland with myasthenia gravis and bulbar disorders in a 13-year-old girl] Dobronravov AV, et al. **Pediatriia** (8):85–6, Aug 75 **(Rus)**

DIAGNOSIS

[The parathymic syndromes] Janzen RW, et al. **Dtsch Med Wochenschr** 101(35):1292–4, 27 Aug 76 **(Ger)**

DRUG THERAPY

The influence of preoperative drug treatment on the extent of hyperplasia of the thymus in primary thyrotoxicosis. Simpson JG, et al. **Clin Exp Immunol** 22(2):249–55, Nov 75

ENZYMOLOGY

[Morphological and cytochemical studies of cells in skin inflammatory exudates and peripheral blood cells in children with normal and enlarged thymus] Modzelewska I, et al. **Pediatr Pol** 50(12):1425–31, Dec 75 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Proceedings: Thymus, acetylcholine receptor and myasthenia gravis. Aharonov A, et al. **Isr J Med Sci** 11(12):1390, Dec 75

PHYSIOPATHOLOGY

[Role of thymus gland in childhood diseases] Petriaeva AT, et al. **Vopr Okhr Materin Det** 20(11):49–53, Nov 75 (35 ref.) (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pneumomediastinography in the diagnosis of ectopic lobe of the thymus in respiratory obstruction. Kabelka M, et al. **J Pediatr Surg** 11(2):265–6, Apr 76

RADIOTHERAPY

Chromosomal abberations in lymphocytes of normal adults long after thymus irradiation. Goh K, et al. **Radiat Res** 67(1):82–5, Jul 76

VETERINARY

Letter: Zinc deficiency and cellular immune deficiency in acrodermatitis enteropathica in man and zinc deficiency with thymic hypoplasia in fresian calves: a possible genetic link. Moynahan EJ. **Lancet** 2(7937):710, 11 Oct 75

THYMUS NEOPLASMS

Tumours of the thymus. Sundström C. **Ups J Med Sci** 80(3):161–74, 1975

Thymic diseases as revealed by a series of consecutive thymectomies and biopsies from the thymus. Sundström C. **Ups J Med Sci** 81(1):18–22, 1976

[Thymus gland tumors; a review of 35 cases] Wever J, et al. **Ned Tijdschr Geneeskd** 120(21):906–11, 22 May 76 (Eng. Abstr.) **(Dut)**

[Tumors of the thymus] Gal D, et al. **Harefuah** 88(12):569–73, 15 Jun 75 **(Heb)**

[Carcinoid tumor possibly of a thymic origin—a surgical case] Tanaka S, et al. **Jpn J Thorac Surg** 28(11):807–12, Nov 75 (Eng. Abstr.) **(Jpn)**

[Giant lymphoepithelial tumor of the thymus gland in a child] Zakharychev VD, et al. **Grudn Khir** (5):99–101, Sep–Oct 75 **(Rus)**

[Lymphogranulomatosis of the thymus gland (1 case)] Vasil'ev VN, et al. **Vopr Onkol** 21(8):88–9, 1975 **(Rus)**

[Lymphoreticular sarcoma of the thymus gland with metastases into the myocardium, endocardium, lungs and ovaries] Dzagoeva LG, et al. **Vrach Delo** (6):64–6, Jun 74 **(Rus)**

ANALYSIS

Letters to the editor: Calcitonin in spindle cell thymic carcinoid tumors. DeLellis RA, et al. **Arch Pathol Lab Med** 100(6):340, Jun 76

BLOOD

[Hematologic manifestations of thymomas] Dujardin P, et al. **Sem Hop Paris** 52(24):1441–6, 23 Jun 76 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Tissue distribution and mode of DNA methylation in mice by methyl methanesulphonate and N-methyl-N'-nitro-N-nitrosoguanidine: lack of thymic lymphoma induction and low extent of methylation of target tissue DNA at 0–6 of guanine. Frei JV, et al. **Chem Biol Interact** 13(3–4):215–22, Jun 76

Chromosome damage in the bone marrow of mice treated with the methylating agents methyl methanesulphonate and N-methyl-N-nitrosourea in the presence or absence of caffeine, and its relationship with thymoma induction. Frei JV, et al. **Mutat Res** 30(1):89–96, Oct 75

Nitrosomethylurea-induced lymphomas in thymectomized mice, in relation to thymus-dependent and independent systems. Palestro G, et al. **Oncology** 31(2):115–22, 1975

COMPLICATIONS

Thymoma associated with pure red cell aplasia, immunoglobulin deficiency and an inhibitor of antigen-induced lymphocyte transformation. Geary CG, et al. **Br J Haematol** 29(3):479–85, Mar 75

Thymoma and chronic myelogenous leukemia: a case report. Knowles DM 2d. **Cancer** 38(3):1414–9, Sep 76

Coexistence of peculiar pemphigus, myasthenia gravis and malignant thymoma. Tagami H, et al. **Dermatologica** 152(3):181–90, 1976

Cushing's syndrome associated with thymic tumour in a 32-year-old Zambian African female: case report. El Amin AM, et al. **East Afr Med J** 53(3):164–7, Mar 76

Myasthenia gravis and invasive thymoma: a 20-year experience. Goldman AJ, et al. **Neurology (Minneap)** 25(11):1021–5, Nov 75

Recurrence of thymoma and myasthenia gravis after 19 years. A case report. Lava NS, et al. **Neurology (Minneap)** 26(7):696–8, Jul 76

Thymic lymphoma—an unusual presentation. Eiser NM, et al. **Thorax** 30(5):588–91, Oct 75

Invasive thymoma and myasthenia gravis: a twenty-year experience. Goldman AJ, et al. **Trans Am Neurol Assoc** 100:192–4, 1975

[Myasthenia gravis with the simultaneous incidence of thymoma] Smat V, et al. **Rozhl Chir** 55(2):131–5, Feb 76 (Eng. Abstr.) **(Cze)**

[Aplastic anaemia and thymonal] Grips KH, et al. **Dtsch Med Wochenschr** 101(38):1389–92, 17 Sep 76 (Eng. Abstr.) **(Ger)**

[Myasthenia with Sjogren's syndrome and thymoma - clinical evaluation of myasthenic syndrome] Saito M, et al. **Clin Neurol (Tokyo)** 15(11):811–6, Nov 75 (Eng. Abstr.) **(Jpn)**

[A case of leukemic reticulosis, myelogenous type with consumption coagulopathy and mediastinal tumor involving the thymus (author's transl)] Yoshikawa H, et al. **Jpn J Clin Hematol** 17(5):553–61, May 76 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Hodgkin's-like disease of the thymus. Clinical, surgical and morphological correlations. Ricci C, et al. **Ric Clin Lab** 6(7):23–9, Jan–Mar 76

Selenomethionine Se 75 thymus scans in myasthenia gravis. Toole JF, et al. **Trans Am Neurol Assoc** 100:248–9, 1975

[Difficulties in diagnosis between simple cysts of the thymus and intrathymic dysembryomas. One case of a thymic tumor evolving during 40 years] Dyan A, et al. **Nouv Presse Med** 5(1):28–30, 3 Jan 76 **(Fre)**

[The parathymic syndromes] Janzen RW, et al. **Dtsch Med Wochenschr** 101(35):1292–4, 27 Aug 76 **(Ger)**

[Anomalous site of the thymus gland] Agugiaro S, et al. **Arch Chir Torac Cardiovasc** 31(3–4):221–35, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Chemotherapy of invasive thymoma. Boston B. **Cancer** 38(1):49–52, Jul 76

ETIOLOGY

Enhancement of infectivity and oncogenicity of a murine leukemia virus in adult mice by X-irradiation. Levy RL, et al. **Cancer Res** 36(6):2090–5, Jun 76

IMMUNOLOGY

HL-A antigens, autoantibody production, and associated diseases in thymoma patients, with and without myasthenia gravis. Oosterhuis HJ, et al. **Ann NY Acad Sci** 274:468–74, 1976

PATHOLOGY

Thymoma metastasizing to extrathoracic sites. A case report. Nickels J, et al. **Acta Pathol Microbiol Scand [A]** 84(4):331–4, Jul 76

Thymic carcinoid. A case report. Sundström C, et al. **Acta Pathol Microbiol Scand [A]** 84(4):311–6, Jul 76

The fine structure of thymoma, with emphasis on its differential diagnosis. A study of ten cases. Levine GD, et al. **Am J Pathol** 81(1):49–86, Oct 75

A spindle cell varient of thymic carcinoid tumor. A clinical, histologic, and fine structural study with emphasis on its distinction from spindle cell thymoma. Levine GD, et al. **Arch Pathol Lab Med** 100(6):293–300, Jun 76

Epithelio-reticular cell thymoma with lymphocytic 'emperipolesis.' An ultrastructural study. Llombart-Bosch A. **Cancer** 36(5):1794–803, Nov 75

Thymoma: a clinical and pathological study of 65 cases. Salyer WR, et al. **Cancer** 37(1):229–49, Jan 76

Carcinoid tumors of the thymus. Salyer WR, et al. **Cancer** 37(2):958–73, Feb 76

Ultrastructure of the human thymus, thymic tumors, and myasthenia gravis. Bloodworth JM Jr, et al. **Pathol Annu** 10:329–91, 1975 (107 ref.)

Malignant thymoma with penetration into the gastrointestinal tract: report of two cases. Brown RC, et al. **South Med J** 69(4):409–12, 429, Apr 76

Carcinoid tumour of the thymus gland: report of a case. Hughes JP, et al. **Thorax** 30(4):470–5, Aug 75

[Thymolipoma] Dzhambazov I, et al. **Khirurgiia (Sofiia)** 27(5):421–5, 1974 **(Bul)**

[Tuberculosis in a thymoma case] Zakrzewska K, et al. **Nowotwory** 25(3):267–9, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

[Cushing's syndrome in thymus neoplasms structurally resembling carcinoid tumor] Stachura J, et al. **Patol Pol** 26(3):443–6, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Preliminary clinico-electroymographic research on the effects of thymectomy in myasthenia gravis Savoldi F, et al. **Riv Neurol** 45(2):176–88, Apr–Jun 75 **(Ita)**

RADIOGRAPHY

Radiologic changes in the thymoma–hypogammaglobulinemia syndrome. Moffat RE. **Am J Roentgenol** 126(6):1219–22, Jun 76

[Large benign thymoma in a 6 year old child] Wernitz Ch. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):85–6, Jul 76 **(Ger)**

[Thymolipoma] Besznyák I, et al. **Orv Hetil** 117(8):474–5, 22 Feb 76 **(Hun)**

[Thymoma. Its clinical diagnosis through the general manifestations] Román NR, et al. **Rev Clin Esp** 141(1):77–80, 15 Apr 76 **(Spa)**

SURGERY

[Surgery of the thymus] Duranceau A, et al. **Union Med Can** 104(4):565–9, Apr 75 (Eng. Abstr.) **(Fre)**

[Cardiac herniation after pneumonectomy] Vaglini M, et al. **Tumori** 61(1):1–4, Jan–Feb 75 **(Ita)**

[Surgical treatment in a case of malignant thymoma extending from the left brachiocephalic vein to the superior vena cava and the right atrium] Suzuki Y, et al. **Jpn J Thorac Surg** 29(5):357–61, 1976 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of thymoma] Colančeski V. **Acta Chir Iugosl** 23(2):173–85, 1976 (Eng. Abstr.) **(Ser)**

THERAPY

Large sized thymic tumour and associated therapeutic problems. Das PB, et al. **Indian J Chest Dis** 17(4):172–5, Oct 75

VETERINARY

Myasthenia gravis, thymoma and myositis in a dog. Darke PG, et al. **Vet Rec** 97(20):392–3, 15 Nov 75

[An unusual case of dilatation of the oesophagus in a cat (author's transl)] Janssen R, et al. **Tijdschr Diergeneeskd** 100(22):1217–20, 15 Nov 75 (Eng. Abstr.) **(Dut)**

[Thymoma in dogs and cats] Mettler F. **Schweiz Arch Tierheilkd** 117(10):577–84, Oct 75 (Eng. Abstr.) **(Ger)**

THYROCALCITONIN see **CALCITONIN**

THYROGLOBULIN

The presence of N-terminal pyroglutamyl residues in hog thyroglobulin. Hayashi T, et al. **Biochim Biophys Acta** 434(1):189–98, 20 May 76

Purification and some properties of microsome-bound thyroglobulins. Kondo Y, et al. **Biochim Biophys Acta** 427(1):268–84, 18 Mar 76

Endogenous proteolytic activity and constituent polypeptide chains of sheep and pig 19 S thyroglobulin. Rolland M, et al. **Biochim Biophys Acta** 427(2):696–707, 14 Apr 76

Susceptibility of inbred rat strains to experimental thyroiditis: quantitation of thyroglobulin-binding cells and assessment of T-cell function in susceptible and non-susceptible strains. Penhale WJ, et al. **Clin Exp Immunol** 19(1):179–91, Jan 75

Immunological properties of Tg carbohydrates: enhancement of Tg immunoreaction by removal of sialic acid. Salabè H, et al. **Clin Exp Immunol** 25(2):234–43, Aug 76

The constituent polypeptide chain of porcine thyroglobulin. Lissitzky S, et al. **FEBS Lett** 60(2):359–63, 15 Dec 75

Elementary chain composition of guinea pig thyroglobulin. Haeberli A, et al. **J Biol Chem** 250(18):7294–9, 25 Sep 75

Relationship between iodination and the polypeptide chain

composition of thyroglobulin. Haeberli A, et al. **J Biol Chem** 250(19):7836–41, 10 Oct 75

The structure of human thyroglobulin. Berg G. **J Ultrastruct Res** 53(1):113–8, Oct 75

Translation of thyroglobulin 33S messenger RNA as a means of determining thyroglobulin quaternary structure. Vassart G, et al. **Proc Natl Acad Sci USA** 72(10):3839–43, Oct 75

[Extraction of phytohemagglutinins by means of specific precipitation using thyroglobulin] Lutsik MD. **Lab Delo** (11):660–1, 1975 **(Rus)**

ANALYSIS

Iodothyronine content of human thyroid albumin. Thomas-Morvan C. **Acta Endocrinol (Kbh)** 81(2):288–97, Feb 76

Sialic acid in thyroglobulin. II. Influence of sialic acid on ionization of tyrosine residues. Marcsz Z. **Arch Immunol Ther Exp (Warsz)** 23(3):361–5, 1975

On the immunological detection of thyroglobulin peptides synthesized in cell-free system. Chebath J, et al. **Biochimie** 58(5):617–9, 1976

Splitting of human thyroglobulin. III. Comparison of fragments obtained during enzymatic digestion and by reduction and alkylation. Mehta PD, et al. **Clin Exp Immunol** 17(2):267–79, Jun 74

Electron microscope immunohistochemical localization of thyroglobulin in the rat thyroid gland. Pelletier G, et al. **Endocrinology** 98(5):1253–9, May 76

Thyroid peroxidase, thyroglobulin, cAMP and DNA in human thyroid. Valenta LJ. **J Clin Endocrinol Metab** 43(2):466–9, Aug 76

[Iodoamino acid composition of rat thyroglobulin of varying total iodine concentration and fractions isolated by isopycnic ultracentrifugation] Formisano S, et al. **C R Soc Biol (Paris)** 169(1):60–5, 1975 (Eng. Abstr.) **(Fre)**

[Determination of sedimentation constants of proteins by Svedberg's method by means of preparative ultracentrifugation] Sestakov GA, et al. **God Zb Med Fak Skopje** 20:13–8, 1974 (Eng. Abstr.) **(Ser)**

[Structural changes of thyroglobulin in the rat thyroid gland during postnatal development (author's transl)] Knopp J, et al. **Bratisl Lek Listy** 65(1):108–12, Jan 76 (Eng. Abstr.) **(Slo)**

BIOSYNTHESIS

Dynamics of biosynthesis of thyroglobulin subunits and their polymerization in rabbit thyroid slices in vitro. Sinadinović J, et al. **Endocrinol Exp (Bratisl)** 9(1):11–20, Jan 75

Defective thyroglobulin synthesis in an experimental rat thyroid tumor: iodination and thyroid hormone synthesis in isolated tumor thyroglobulin. Monaco F, et al. **Endocrinology** 97(2):347–51, Aug 75

Comparative investigations on thyroglobulin biosynthesis in rabbit and guinea-pig thyroid in vitro. Sinadinović J, et al. **Endokrinologie** 67(2):204–14, Jun 76

Thyroglobulin messenger RNA: translation of a 33–S mRNA into a peptide immunologically related to thyroglobulin. Vassart G, et al. **Eur J Biochem** 55(1):15–22, 16 Jun 75

Thyroglobulin biosynthesis in 'cold' and 'hot' nodules in the human thyroid gland. Monaco F, et al. **J Clin Endocrinol Metab** 41(2):253–9, Aug 75

[Specific glycosyltransferases in thyroid membranes (author's transl)] pp. 967–80. Bouchilloux S, et al. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.** (Eng. Abstr.) **(Fre)**

[Synthesis of thyroglobulin in the polyribosome cell-free system of the thyroid gland] Atakhanova BA, et al. **Biokhimiia** 40(6):1168–74, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[A study of thyroglobulin biosynthesis by the incorporation of glucosamine-14C, mannose-14C and galactose-14C in thyroid gland cell-free systems] Atakhanova BA, et al. **Probl Endokrinol (Mosk)** 22(3):80–4, May-Jun 76 (Eng. Abstr.) **(Rus)**

BLOOD

Inhibition of thyroglobulin biosynthesis and degradation by excess iodide. Synergism with lithium. Radvila A, et al. **Acta Endocrinol (Kbh)** 81(3):495–506, Mar 76

Radioimmunoassay for estimation of thyroglobulin in human serum. Ochi Y, et al. **Endocrinol Jpn** 22(4):351–6, Aug 75

Serum thyroglobulin in inhabitants of an endemic goiter region of New Guinea. Van Herle AJ, et al. **J Clin Endocrinol Metab** 43(3):512–6, Sep 76

A radioimmunoassay for serum rat thyroglobulin. Physiologic and pharmacological studies. Van Herle AJ, et al. **J Clin Invest** 56(5):1073–81, Nov 75

[Clinical studies on autoimmune mechanisms of the thyroid. Part 2. Studies on measurements of serum thyroblobulin concentrations in patients with various thyroid diseases (author's transl)] Ikekubo K. **Folia Endocrinol Jpn** 51(10):825–39, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

[Congenital goiter with thyroglobulin deficiency] Cabrer J, et al. **Rev Clin Esp** 138(4):327–34, 31 Aug 75 (Eng. Abstr.) **(Spa)**

[TBG deficiency associated with hyperthyroidism. Report of a case (author's transl)] Dutrem T, et al. **Rev Invest Clin** 27(3):239–44, Jul-Sep 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Role of galactose in the antigenic properties of thyroglobulin. Monaco F, et al. **Acta Endocrinol (Kbh)** 83(1):93–8, Sep 76

Splitting of human thyroglobulin. III. Comparison of fragments obtained during enzymatic digestion and by reduction and alkylation. Mehta PD, et al. **Clin Exp Immunol** 17(2):267–79, Jun 74

Radioimmunoassay for human antithyroglobulin antibodies of different immunoglobulin classes. Delespesse G, et al. **Horm Metab Res** 8(1):50–4, Jan 76

Autoimmune murine thyroiditis. VIII. Role of different thyroid antigens in the induction of experimental autoimmune thyroiditis. Tomazic V, et al. **Immunology** 30(1):63–8, Jan 76

A solid-phase radioassay for the detection of anti-thyroglobulin antibodies in different immunoglobulin classes. Nineham LJ, et al. **Int Arch Allergy Appl Immunol** 51(1):94–100, 1976

Purification of human anti-thyroglobulin. Takeda Y, et al. **J Clin Endocrinol Metab** 41(4):738–43, Oct 75

Studies on obesity. III. effect of triiodothyronine (T3) on thyroglobulin autoantibodies in euthyroid obese subjects. Premachandra BN, et al. **Metabolism** 25(9):981–8, Sep 76

[Microfluorometric demonstration of thyroglobulin antibodies with the defined antigen substrate spheres (DASS) system. Knapp W, et al. **Z Immunitaetsforsch** 151(1–2):61–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Specific and non-specific reaction of hemagglutination for the detection of anti-thyroglobulin antibody (author's transl)] Kobayashi T, et al. **Folia Endocrinol Jpn** 51(9):745–8, 20 Sep 75 (Eng. Abstr.) **(Jpn)**

[Incidence of thyroglobulin and microsomal antibodies in normal subjects (author's transl)] Nagaoka K, et al. **Folia Endocrinol Jpn** 51(2):98–102, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Tracing of the maturation process of thyroglobulin by immunological methods (author's transl)] Kondo Y, et al. **Protein Nucleic Acid Enzyme (Tokyo)** 20(11):1032–8, Sep 75 (14 ref.) **(Jpn)**

METABOLISM

Inhibition of thyroglobulin biosynthesis and degradation by excess iodide. Synergism with lithium. Radvila A, et al. **Acta Endocrinol (Kbh)** 81(3):495–506, Mar 76

Defective thyroglobulin export as a cause of congenital goitre. Lissitzky S, et al. **Clin Endocrinol (Oxf)** 4(4):363–92, Jul 1975

The effect of iodide administration on hog thyroid gland and the composition of thyroglobulin and 27–S iodoprotein. Tarutani O, et al. **Endocrinol Jpn** 22(5):389–97, Oct 75

Autoradiographic localization of slow turnover iodocompounds within the follicular cells of the rat thyroid gland. Haeberli A, et al. **Endocrinology** 97(4):978–84, Oct 75

Further study of the mechanism of thyroid hormone secretion in an in vitro model system: direct evidence for fusion of lysosomes with thyroglobulin liposomes. Kawada J, et al. **Endocrinology** 98(6):1425–9, Jun 76

Formation of 3,3'-diiodothyronine and 3',5',3-triiodothyronine (reverse T3) in thyroid glands of rats and in enzymatically iodinated thyroglobulin. Taurog A, et al. **Endocrinology** 99(1):281–90, Jul 76

Thyroid iodine organification defects: a case with lack of thyroglobulin iodination and a case without any peroxidase activity. Pommier J, et al. **J Clin Endocrinol Metab** 42(2):319–29, Feb 76

Secretory activity of isolated thyroid adenomas. van den Hove-Vandenbroucke MF, et al. **J Clin Endocrinol Metab** 43(1):178–81, Jul 76

Thyroglobulin diffusion in the thyroid follicular lumen. Cantraine FR, et al. **J Theor Biol** 54(2):229–42, Oct 75

Transport of thyroglobulin and peroxidase in the thyroid follicle cell. Björkman U, et al. **Mol Cell Endocrinol** 5(1–2):3–17, Jun-Jul 76

RADIATION EFFECTS

[Effect of gamma rays on the fluorescent properties of rat thyroglobulin] Iangibaev M, et al. **Radiobiologiia** 15(3):427–30, May-Jun 75 (Eng. Abstr.) **(Rus)**

SECRETION

Secretory activity of isolated thyroid adenomas. van den Hove-Vandenbroucke MF, et al. **J Clin Endocrinol Metab** 43(1):178–81, Jul 76

THERAPEUTIC USE

Letter: Thyroid disease treatment debated. Gabrielson RM. **Postgrad Med** 58(6):33–6, Nov 75

THYROGLOSSAL CYST

COMPLICATIONS

Teratoma of the neck in relation to a thyroglossal cyst. Talekar MS, et al. **Indian J Cancer** 12(4):449–51, Dec 75

DIAGNOSIS

Thyroglossal duct cyst or ectopic thyroid gland? Chait D, et al. **Nebr Med J** 60(9):345–9, Sep 75

A migrating cervical mass. Case report. Futrell JW, et al. **Plast Reconstr Surg** 57(5):660–1, May 76

ETIOLOGY

[Cystic degeneration of autonomous adenomas (author's transl)] Galvan G, et al. **Munch Med Wochenschr** 118(1):21–4, 2 Jan 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Adenocarcinoma originating in the thyroglossal duct. Widström A, et al. **Ann Otol Rhinol Laryngol** 85(2 pt.1):286–90, Mar-Apr 76

Carcinoma arising in thyroglossal duct remnant: case reports and review of the literature. Saharia PC. **Br J Surg** 62(9):689–91, Sep 75

[Personal experiences with congenital cysts and fistulas of the neck] Cernea P, et al. **Rev Stomatol Chir Maxillofac** 77(1):119–23, Jan-Feb 76 **(Fre)**

SURGERY

[Myxedema following surgical removal of a cyst in the thyroglossal duct in a 13-year-old boy] Koehler B, et al. **Pediatr Pol** 51(6):721–4, Jun 76 **(Pol)**

THYROID ANTAGONISTS

[The antithyrotropic effect of magnesium ions] Rachev R, et al. **Eksp Med Morfol** 11(1):1–5, 1972 (Eng. Abstr.) **(Bul)**

ADVERSE EFFECTS

Effect of thiouracil upon canine arterial elastic tissue. Trillo A. **Atherosclerosis** 22(3):369–77, Nov-Dec 75

Fetal hypothyroidism complicating medical treatment of thyrotoxicosis in pregnancy. Ibbertson HK, et al. **Clin Endocrinol (Oxf)** 4(5):521–3, Sep 75

Immunological: reactions involving leukocytes: III. Agranulocytosis induced by antithyroid drugs. Bilezikian SB, et al. **Johns Hopkins Med J** 138(4):124–9, Apr 76

[Therapeutic hypothyroidism] Dry J, et al. **Sem Hop Ther** 51(2):113–5, Feb 75 **(Fre)**

[Leukopenia and agranulocytosis induced by drugs] Naess K. **Tidsskr Nor Laegeforen** 96(9–10):589–90, 30 Mar 76 **(Nor)**

ANALYSIS

Detection of antithyroid residues in meat and some organs of slaughtered animals. De Brabander HF, et al. **J Chromatogr** 108(1):141–51, 7 May 75

[Sub-ppm determination of thiouraciles applicated as thyreostatics in meat by high pressure liquid chromatography (author's transl)] Wildanger W. **Z Lebensm Unters Forsch** 158(1):1–3, 30 May 75 **(Ger)**

METABOLISM

35-S-antithyroid drug concentration and organic binding of iodine in the human thyroid. Lazarus JH, et al. **Clin Endocrinol (Oxf)** 4(6):609–15, Nov 75

PHARMACODYNAMICS

The effect of allylisothiocyanate and other antithyroid compounds on blood coagulation in rats. Idris R, et al. **Biochem Pharmacol** 24(21):2003–5, 1 Nov 75

Thyroidal accumulation of 131I during adrenal gland scintigraphy with 131I-19-iodocholesterol: effects of thyroid blocking agents. Barbarino A, et al. **J Clin Endocrinol Metab** 41(2):405–7, Aug 75

How drugs act. 18. Drugs and the thyroid gland. Smith SE. **Nurs Times** 71(43):1708–9, 23 Oct 75

Antithyroid activity of goitrin in chicks. Akiba Y, et al. **Poult Sci** 55(2):716–9, Mar 76

[Development of C cells of the thyroid gland of the rat under an antithyroidian treatment inducing gamma tumors] Stoll R, et al. **C R Soc Biol (Paris)** 169(6):1466–9, 1975 (Eng. Abstr.) **(Fre)**

[Controlled therapy of hyperthyroidism] Hackenberg K, et al. **Ergeb Inn Med Kinderheilkd** 37:19–55, 1975 (218 ref.) **(Ger)**

[Circulatory system in hyperthyroidism in the course of treatment with thyreostatics] Chojnowska-Jezierska J, et al. **Endokrynol Pol** 26(3):321–5, May-Jun 75 (Eng. Abstr.) **(Pol)**

[Changes in the dynamics of left ventricle contractions under the influence of treatment with thyreostatics] Goch JH, et al. **Endokrynol Pol** 26(3):315–9, May-Jun 75 (Eng. Abstr.) **(Pol)**

[The effect of thyroid hormones and thyrostatic preparations on blood glycoprotein metabolism] Kuz'mak NI. **Probl Endokrinol (Mosk)** 21(5):81–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Surgical treatment of thyrotoxicosis: results of 272 operations with special reference to preoperative treatment with anti-thyroid drugs and L-thyroxine. Heimann P, et al. **Br J Surg** 62(9):683–8, Sep 75

Five-year follow-up of thyrotoxicosis treated with antithyroid drugs. Thalassinos NC, et al. **Endokrinologie** 63(3):325–30, 1974

Pituitary-thyroid regulation in euthyroid patients with Graves' disease previously treated with antithyroid drugs. Buerklin EM, et al. **J Clin Endocrinol Metab** 43(2):419–27, Aug 76

Hemodynamics of hyperthyroidism. The effects of autonomic nervous blocking and anti-thyroid drug treatment. Funatsu T. **Jpn Heart J** 17(1):12–24, Jan 76

[Treatment of Basedow's disease] Bürgi H. **Rev Med Suisse Romande** 95(5):325–43, May 75 **(Fre)**

[Letter: Preoperative plummering] Steiner H. **Dtsch Med Wochenschr** 101(14):562, Apr 76 **(Ger)**

[T-lymphocytes, the TRH-test and the suppression test in thyreostatically treated hyperthyroidism] Hackenberg K, et al. **Verh Dtsch Ges Inn Med** 81:1555–8, 1975 **(Ger)**

[Relation of TRH test to thyroidal suppression test by triiodothyronine in patients with hyperthyroidism under treatment with antithyroid drugs (author's transl)] Kuribayashi T, et al. **Folia Endocrinol Jpn** 51(2):103–8, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Results of mercasolyl treatment of diffuse toxic goiter in children] Saakian RP. **Pediatriia** (7):14–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Remote results of long-term mercazolyl treatment combined with irradiation of the the hypothalamo-hypophyseal region in patients with diffuse toxic goiter] Baranov VG, et al. **Probl Endokrinol (Mosk)** 22(3):37–40, May-Jun 76 (Eng. Abstr.) **(Rus)**

THYROID CRISIS

COMPLICATIONS

[Case of thyroid crisis in the course of labor] Kaliński R, et al. **Wiad Lek** 28(21):1807–10, 1 Nov 75 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Clinical aspects and therapy of thyreotoxic crisis] Rothenbuchner G, et al. **Verh Dtsch Ges Inn Med** 81:1549–52, 1975 **(Ger)**

[Eraldin as a potential substance for the detection of imminent postoperative thyrotoxic crisis (author's transl)] Oravec D, et al. **Bratisl Lek Listy** 65(1):77–83, Jan 76 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

[Prevention and therapy of postoperative thyrotoxic crisis] Lazăr C, et al. **Rev Chir [Chir]** 25(2):89–96, Mar-Apr 76 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Thyroid storm after cardiac angiography with iodinated contrast medium. Occurrence in a patient with a previously euthyroid autonomous nodule of the thyroid. Blum M, et al. **JAMA** 235(21):2324–5, 24 May 76

Letter: Thyroid storm and iodine-131 treatment. Creutzig H, et al. **Lancet** 2(7977):145, 17 Jul 76

[Thyroid crisis as a result of the inability to control hyperthyroidism prior to surgical treatment] Gąsiorowski W, et al. **Pol Tyg Lek** 31(13):525–7, 29 Mar 76 (Eng. Abstr.) **(Pol)**

THYROID DISEASES

Thyroid dysfunction in the neonatal period. Mac Gillivray MH. **Clin Perinatol** 2(1):15–21, May 75 (27 ref.)

The thyroid in pregnancy. Burrow GN. **Med Clin North Am** 59(5):1089–98, Sep 75 (27 ref.)

Thyroid diseases and their medical treatment. Beardwell CG. **Nurs Times** 71(39):1536–8, 25 Sep 75

[Hydatid cyst of the thyroid gland. Apropos of a case] Vakili K, et al. **Chirurgie** 102(6):405–11, Jun 76 (Eng. Abstr.) **(Fre)**

[Radioactive isotopes in the diagnosis and therapy of thyroid diseases] Cammarota V. **Minerva Med** 66(62):3123–7, 22 Sep 75 **(Ita)**

[Thyroidal hydatid cysts (author's transl)] Apt W, et al. **Rev Med Chil** 104(3):161–3, Mar 76 (Eng. Abstr.) **(Spa)**

BLOOD

Serum digoxin in patients with thyroid disease. Croxson MS, et al. **Br Med J** 3(5983):566–8, 6 Sep 75

Triiodothyronine and thyroxine interrelationships in health and disease. Walfish PG. **Can Med Assoc J** 115(4):338–42, 21 Aug 76

Radioimmunoassay for estimation of thyroglobulin in human serum. Ochi Y, et al. **Endocrinol Jpn** 22(4):351–6, Aug 75

Triiodothyronine radioimmunoassay and its application to thyroid disorders. Eisenstein Z, et al. **Isr J Med Sci** 12(1):1–10, Jan 76

Radioimmunoassay of 3,3',-'-triiodo-L-thyronine (reverse T3) in human serum and its application in different thyroid states. Meinhold H, et al. **Z Klin Chem Klin Biochem** 13(12):571–4, Dec 75

[The relationship between unsaturated fatty acids in blood serum, the thyroid gland, myocardial infarction, and hyperlipemia (author's transl)] Oravec D, et al. **Bratisl Lek Listy** 65(1):84–94, Jan 76 (Eng. Abstr.) **(Cze)**

[Determination of iodinated compounds in the blood. V. Experiences with the radioimmunchemical determination of serum triiodothyronine in the differential diagnosis of thyroid gland disorders] Bednář J, et al. **Cesk Farm** 24(9):377–80, Nov 75 **(Cze)**

[Triiodothyronine and thyroxine in the blood of patients with thyroid diseases after oral administration of thyrotropin releasing hormone (TRH)] Nedvídková J, et al. **Vnitr Lek** 22(5):457–60, May 76 (Eng. Abstr.) **(Cze)**

[Influence of changed thyroid gland function on some parameters of calcium-phosphate metabolism. II. Relation of calculated ionized fraction of serum calcium to the changed thyroid function and dynamics of changes of blood calcium in the course of the treatment] Neradilová M, et al. **Vnitr Lek** 21(10):1015–20, Oct 75 (Eng. Abstr.) **(Cze)**

[Proceedings: Thyroxin, T.B.C., triiodothyronin before and after T.S.H. in an endemic goiter country (author's transl)] Boukhris R, et al. **Ann Endocrinol (Paris)** 36(6):369–70, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Radioimmunological determination of L-triodothyronine in human and rat blood] Peyrin JO, et al. **Physiologie** 13(1):25–33, Jan-Mar 76 **(Fre)**

[The behavior of lipoproteins, cholesterol, triglycerides, free fatty acids and free glycerol in serum of rats with experimental hyperthyroxinemia and hypothyreosis] Hübner G, et al. **Endokrinologie** 67(1):60–6, Mar 67 (Eng. Abstr.) **(Ger)**

[Experiences in the determination of thyroxine iodine in serum in various functional conditions of the thyroid gland] Hempel RD, et al. **Z Gesamte Inn Med** 30(24):782–6, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Behavior of lactate and pyruvate as well as lactate/pyruvate quotient in blood in human thyroid gland disorders] Hübner G, et al. **Z Gesamte Inn Med** 30(24):786–9, 15 Dec 75 **(Ger)**

[A new radioisotope method for the in vitro determination of the serum thyroxin level] Martonffy K, et al. **Orv Hetil** 117(1):19–21, 4 Jan 76 **(Hun)**

[In vitro thyroid gland function tests (thyopac-3,4) and their clinical significance] Ishigami K, et al. **Clin Endocrinol (Tokyo)** 23(4):385–90, Apr 75 **(Jpn)**

[Clinical studies on autoimmune mechanisms of the thyroid. Part 2. Studies on measurements of serum thyroblobulin concentrations in patients with various thyroid diseases (author's transl)] Ikekubo K. **Folia Endocrinol Jpn** 51(10):825–39, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

[Triiodothyronine (author's transl)] Suetsugu N, et al. **Jpn J Clin Pathol** 23(11):846–9, Nov 75 **(Jpn)**

[Radioimmunoassay of serum TSH in hypothalamo-pituitary dysfunctions and thyroid diseases] Miyai K, et al. **Jpn J Nucl Med** 12(4):385–92, Aug 75 (Eng. Abstr.) **(Jpn)**

[Plasma fibrinolytic activity of venous blood and thyroid venous blood in patients treated for thyroid diseases] Piotrowski Z, et al. **Pol Przegl Chir** 47(12):1553–8, Dec 75 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of direct and indirect radioisotope determination of the indicators of free thyroxine in the blood serum in vitro] Zamoskovnaia VA, et al. **Med Radiol (Mosk)** 20(10):8–13, Oct 75 (Eng. Abstr.) **(Rus)**

[Radioimmunoanalysis for T3 and T4 in normal subjects and in patients with thyroid pathology (author's transl)] Pineda G, et al. **Rev Med Chil** 103(4):235–9, Apr 75 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Adverse effects of iodides on thyroid function. Vagenakis AG, et al. **Med Clin North Am** 59(5):1075–88, Sep 75 (46 ref.)

[Side-effects of amiodarone therapy] Marchi F. **Arch E Maragliano Patol Clin** 30(2):237–43, Jul-Dec 74 **(Ita)**

COMPLICATIONS

Idiopathic heart block: association with vitiligo, thyroid disease, pernicious anaemia, and diabetes mellitus. Fairfax AJ, et al. **Br Med J** 4(5992):322–4, 8 Nov 75

Why the heterophoria in some thyroid patients is not amenable to prism therapy. pp. 241–3. Calhoun FP Jr, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The surgical treatment of dysthyroid eye disease. pp. 245–52. Fells P, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

A long-term follow-up of patients presenting with dysthyroid eye disease. pp. 223–40. Greaves BP, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Some problems in the management of dysthyroid ophthalmopathy. pp. 253–70. Lyle TK.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Anemia in thyroid diseases. Fein HG, et al. **Med Clin North Am** 59(5):1133–45, Sep 75 (89 ref.)

Neurological and muscular aspects of thyroid dysfunction in childhood. Rosman NP. **Pediatr Clin North Am** 23(3):575–94, Aug 76

The ocular and orbital circulations in dysthyroid ophthalmopathy. Cant JS, et al. **Trans Ophthalmol Soc UK** 94(2):416–29, Jul 74

Preoperative recurrent laryngeal nerve paralysis in patients subjected to thyroid surgery. Arosenius KE, et al. **Ups J Med Sci** 81(2):93–5, 1976

[Letter: Rheumatoid arthritis and thyroid gland] Hartl W. **Dtsch Med Wochenschr** 100(44):2300, 31 Oct 75 **(Ger)**

[Endocrine ophthalmology. An overview of pathology, classification, and therapy] Bürgi H, et al. **Schweiz Med Wochenschr** 105(35):1101–10, 30 Aug 75 (87 ref.) (Eng. Abstr.) **(Ger)**

[Problem of the involvement of the thyroid gland in vitiligo. Findings in the ptBP (preterciary butylphenol)-induced, vitiligo-like, pigmentation disorder] Rodermund OE, et al. **Z Hautkr** 50(9):365–70, 1 May 75 **(Ger)**

[Beta blockader-quinidine combination in atrial fibrillation of thyroid patients] Mangiameli S, et al. **Boll Soc Ital Cardiol** 19(6):615–24, 1974 (Eng. Abstr.) **(Ita)**

[The role of catecholamines in the mechanisms of thyroid gland influence on the development of 'stress' and 'steroid' stomach ulcers] Rosolovskiĭ AP. **Probl Endokrinol (Mosk)** 22(1):64–7, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Congenital disorders of the thyroid gland in experimental litters obtained from mothers subjected to immunization and the action of I-131] Artemova EP, et al. **Probl Endokrinol (Mosk)** 22(2):66–70, 1976 (Eng. Abstr.) **(Rus)**

[Physiopathology of congenital errors of thyroid hormonogenesis] Niepomniszcze H. **Medicina (B Aires)** 36(1):51–60, Jan-Feb 76 **(Spa)**

DIAGNOSIS

Detection of thyroid cysts by ultrasonic examination. Solgaard S, et al. **Acta Chir Scand** 141(6):495–8, 1975

The laboratory diagnosis of thyroid disorders. Wellby ML. **Adv Clin Chem** 18:103–72, 1976 (302 ref.)

Thyroid nodules. Furth ED. **Am Fam Physician** 12(6):97–100, Dec 75

Ultrasonic examination of the thyroid gland. Possibilities and limitations. Thijs LG, et al. **Am J Med** 60(1):96–105, Jan 76

Editorial: Thyroid function tests--which one? Vagenakis AG, et al. **Ann Intern Med** 84(5):607–8, May 76

Evaluation of dominant thyroid masses. Thomas CG Jr, et al. **Ann Surg** 183(5):463–9, May 76

Serum TSH measurement in children with thyroid disorders. Barnes ND. **Arch Dis Child** 50(7):497–9, Jul 75

Thyrotrophin estimation in diagnosis and treatment of childhood thyroid disorders. Jackson D, et al. **Arch Dis Child** 50(7):522–5, Jul 75

Hot nodules of the thyroid gland. Hunter R, et al. **Aust NZ J Surg** 45(2):191–6, May 75

Drill biopsy of the thyroid gland. Ma MK, et al. **Aust NZ J Surg** 45(3):290–3, Aug 75

Editorial: Clinical application of triiodothyronine measurement. Reynolds C. **Can Med Assoc J** 115(4):296, 21 Aug 76

The single palpable thyroid nodule: evaluation by 99mTc-pertechnetate imaging. Alderson PO, et al. **Cancer** 37(1):258–65, Jan 76

Measurement of circulating thyroid microsomal antibodies by the tanned red cell haemagglutination technique: its usefulness in the diagnosis of autoimmune thyroid diseases. Amino N, et al. **Clin Endocrinol (Oxf)** 5(2):115–25, Mar 76

Medi-Physics. pp. 44–7. Fleischer AA.
In: Applications of iodine-123 in nuclear medicine. Rockville, Md., Food and Drug Administration, 1976. WN 440 A652 1975.

Clinical viewpoint. pp. 14–8. Miller JM.
In: Applications of iodine-123 in nuclear medicine. Rockville, Md., Food and Drug Administration, 1976. WN 440 A652 1975.

Iodine-123—an opportunity in nuclear medicine. pp. 5–7. Paras P.
In: Applications of iodine-123 in nuclear medicine. Rockville, Md., Food and Drug Administration, 1976. WN 440 A652 1975.

Endocrinologic viewpoint. pp. 26–9. Rall JE.
In: Applications of iodine-123 in nuclear medicine. Rockville, Md., Food and Drug Administration, 1976. WN 440 A652 1975.

Screening tests for thyroid and parathyroid disease. pp. 69–78. Schultz AL.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974.

Comparison of caesium scintiscanning with grey-scale echography in the investigation of solitary, non-functioning thyroid nodules. pp. 207–12. Crocker EF, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Ultrasonic methods in thyroid diagnosis with particular reference to the differential diagnosis of the 'cold' nodule. pp. 213–7. Frank T.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Computerized method for 99mTc Thyroid uptake studies with gamma camera. Cauwe F, et al. **Int J Nucl Med Biol** 3(1):48–50, Jan 76

Gray scale ultrasonography in the diagnosis of thyroid

swellings. Taylor KJ, et al. **J Clin Ultrasound** 2(4):327–30, Dec 74

Improved diagnosis of 'nondelineated' thyroid nodules by oblique scintillation scanning and echography. Blum M, et al. **J Nucl Med** 16(8):713–5, Aug 75

Radiation hazards from 241Am sources used in thyroid studies. Venkataraman G, et al. **J Nucl Med** 17(5):408–10, May 76

Simple cyst of the thyroid gland. Goldman SM, et al. **Md State Med J** 24(11):81–2, Nov 75

Early history (1936—1946) of nuclear medicine in thyroid studies at Massachusetts General Hospital. Evans RD. **Med Phys** 2(3):105–9, May–Jun 75

A medical record and a computer program for diagnosis of thyroid diseases. Cobelli C, et al. **Methods Inf Med** 14(3):126–32, Jul 75

Editorial: Reverse tri-iodothyronine and fetal thyroid state. Fisher DA. **N Engl J Med** 293(15):770–2, 9 Oct 75

Pressure pulse velocity measurement: an index of thyroid function. Marks J. **Ohio State Med J** 71(10):544–7, Aug 75

Comparison of radioisotope and ultrasound scans of the thyroid. Taylor KJ, et al. **Proc R Soc Med** 68(6):381–4, Jun 75

Ultrasonography of the thyroid gland. Miskin M, et al. **Radiol Clin North Am** 13(3):479–92, Dec 75

Gray-scale ultrasonography of the thyroid. Chilcote WS. **Radiology** 120(2):381–3, Aug 76

Gray-scale ultrasonography of the thyroid. Chilcote WS. **Radiology** 120(2):381–3, Aug 76

Disparate imaging of the autonomous functioning thyroid nodule with 99mTc-pertechnetate and radioiodine. Miller JM, et al. **Radiology** 119(3):737–9, Jun 76

Low cost intrathyroidal iodine quantification with a fluorescent scanner. Palmer DW, et al. **Radiology** 119(3):733–5, Jun 76

Investigation of thyroid diseases. Beckers C. **Recent Adv Clin Nucl Med** 1:106–28, 1975 (152 ref.)

Ultrasound evaluation of the thyroid. Perlmutter GS, et al. **Semin Nucl Med** 5(4):299–305, Oct 75

Modern laboratory diagnosis of thyroid disease. Menendez CE, et al. **Tex Med** 72(3):66–73, Mar 76

The ultrasonic evaluation of nonfunctioning thyroid nodules. Shaub M, et al. **West J Med** 123(4):265–8, Oct 75

[Absence of technetium 99mTc accumulation in thyroid gland (author's transl)] Felt V. **Cas Lek Cesk** 115(17):527–9, 30 Apr 76 (Eng. Abstr.) **(Cze)**

[Response of the thyrotropic hormone after oral administration of thyrotropin releasing hormone in patients with disorders of the thyroid gland] Nedvídková J, et al. **Vnitr Lek** 22(3):278–82, Mar 76 (Eng. Abstr.) **(Cze)**

[Radioimmunological determination of serum triiodothyronine II. Valve in thyroid diseases] Linquette M, et al. **Lille Med** 20(10):876–81, Dec 75 **(Fre)**

[Letter: Discordant thyroid scintigraphies with iodine 131 and technetium 99] Chatal JF, et al. **Nouv Presse Med** 5(12):797–8, 20 Mar 1976 **(Fre)**

[Letter: A new test of exploration of thyroid function] Ferret-Bouin P, et al. **Nouv Presse Med** 4(37):2665, 1 Nov 75 **(Fre)**

[Application of correspondance factor analysis to function testing of the thyroid] Basse-Cathalinat B, et al. **Pathol Biol (Paris)** 23(1):21–8, Jan 75 (Eng. Abstr.) **(Fre)**

[Cold nodules of the thyroid gland. Clinical and histological study of 300 surgical cases] Honoré D, et al. **Rev Med Liege** 30(20):712–6, 15 Oct 75 **(Fre)**

[Proceedings: Isotopic approach to euthyroid diffuse goiters in Madagascar] Manambelona JR, et al. **West Afr J Pharmacol Drug Res** 2(1):66P, Dec 74 **(Fre)**

[Sonographic thyroid diagnosis] Petzoldt R, et al. **Fortschr Med** 93(34):1725–30, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[The scope of ultra sound in the diagnosis of thyroid disease (author's transl)] Frank T, et al. **God Zb Med Fak Skopje** 124(5):458–65, May 76 (Eng. Abstr.) **(Ger)**

[Nuclear medicine thyroid diagnosis] Stoll W. **Kinderaerztl Prax** 43(5):226–32, May 75 **(Ger)**

[Fine-needle aspiration biopsy in the diagnosis of thyroid diseases (author's transl)] Droese M, et al. **Med Klin** 71(6):229–34, 6 Feb 76 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of thyroid hot nolules using stimulation studies with TRH and TSH] Doepp M, et al. **Med Welt** 27(3):117–23, 16 Jan 76 **(Ger)**

[Principle and ranges of application of radioimmunoassay (III). Diseases of the thyroid and parathyroid glands] Lilienfeld-Toal H, et al. **Med Welt** 27(6):248–50, 6 Feb 76 **(Ger)**

[Behavior of the ETR test after suppression and stimulation in functional disorders of the thyroid gland] Kleinau E, et al. **Radiobiol Radiother (Berl)** 16(6):767–71, 1975 (Eng. Abstr.) **(Ger)**

[Critical evaluation and rational use of nuclear medical techniques in the diagnosis of thyroid function (author's transl)] Stiel W, et al. **Roentgenblaetter** 28(12):569–79, Dec 75 (Eng. Abstr.) **(Ger)**

[Current nuclear medicine thyroid diagnostics] Schmidt H. **Z Allgemeinmed** 51(16):735–40, 10 Jun 75 **(Ger)**

[QKD-time in thyroid-gland function diagnosis] Gläser V, et al. **Z Gesamte Inn Med** 30(16):529–31, 15 Aug 75 **(Ger)**

[Diagnostic staged program in thyroid diseases] Heberling HJ, et al. **Z Gesamte Inn Med** 30(22):738–41, 15 Nov 75 (Eng. Abstr.) **(Ger)**

[Thermographic detection of thyroid nodules] Shilo R, et al. **Harefuah** 90(7):304–7, 1 Apr 76 (Eng. Abstr.) **(Heb)**

[Aspects of the use of Cs131 in the differential diagnosis of thyroid nodules] Pagliaini R, et al. **Arch E Maragliano Patol Clin** 30(1):53–68, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Radioisotope methods and technics in obstetrical and gynecological diagnosis] Laconi A, et al. **Minerva Med** 66(85):4561–8, 12 Dec 75 (Eng. Abstr.) **(Ita)**

[Evaluation of thyroid function with the use of free thyroxine coefficient (E.T.R.)] Szybiński Z, et al. **Endokrynol Pol** 26(3):283–8, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Thyroid tuberculosis] Zwykielski G, et al. **Pol Przegl Chir** 48(7):889–91, Jul 76 (Eng. Abstr.) **(Pol)**

[Evaluation of the effectiveness of Rez-O-MAT T-3, Rez-O-MAT T-4 and Rez-O-MAT ETP for diagnosis of functional disorders of the thyroid gland] Tatsievskiĭ VA. **Med Radiol (Mosk)** 20(12):45–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Ophthalmotonus in patients with thyroid gland disorders of different etiology] Grishine RA, et al. **Probl Endokrinol (Mosk)** 22(3):33–6, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Some aspects of evaluating the thyroid gland scanning image normally and in pathology] Polenko VK, et al. **Probl Endokrinol (Mosk)** 22(2):18–23, 1976 (Eng. Abstr.) **(Rus)**

[Use of color thermography for diagnosis of thyroid diseases]primenie tsvetnoĭ termografii dlia diagnostiki zabolveaniĭ shchitovidnoĭ zhelezy Moiseenko MD, et al. **Vestn Khir** 115(11):69–72, Nov 75 (Eng. Abstr.) **(Rus)**

[Unusual case of Echinococcus glandulae thyroideae] Andreevski A, et al. **God Zb Med Fak Skopje** 17:601–3, 1971 (Eng. Abstr.) **(Ser)**

[Radioinmunoassay for seric thyroid-stimulating hormone: clinical use (author's transl)] Gianetti A, et al. **Rev Med Chil** 103(2):94–7, Feb 75 (Eng. Abstr.) **(Spa)**

[Stimulation test with synthetic thyrotropin releasing hormone (TRH) in the diagnosis of thyroid diseases (author's transl)] Pineda G, et al. **Rev Med Chil** 103(2):98–102, Feb 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Thyroid hormone therapy. Refetoff S. **Med Clin North Am** 59(5):1147–62, Sep 75 (51 ref.)

Letter: Thyroid disease treatment debated. Gabrielson RM. **Postgrad Med** 58(6):33–6, Nov 75

[Therapy and prevention using T3/T4 hormone. 5 Years of clinical and practical experience with Novothyral] Würdinger H. **Med Welt** 26(27–28):1322–30, 11 Jul 75 **(Ger)**

[Iodine-containing thyroid hormones in the treatment of thyroid diseases] Kliachko VR. **Sov Med** (9):44–52, Sept 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Study of the effect of cyproheptadine hydrochloride on iodine metabolism. Szántó L, et al. **Ther Hung** 21(3–4):134–9, 1973

[Deiodase deficiency—clinical significance and diagnosis] V'rbanov V. **Vutr Boles** 14(1):23–9, 1975 (Eng. Abstr.) **(Bul)**

[Gamma-glutamyltranspeptidase in thyroid conditions (author's transl)] Skachová J, et al. **Sb Lek** 77(7):193–7, Jul 75 (Eng. Abstr.) **(Cze)**

[Proceedings: Peroxydase activity in benign thyroid diseases and in experimental rat goiters (author's transl)] Fragu P, et al. **Ann Endocrinol (Paris)** 36(3):165–6, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Letter: Erythrocyte glucose-6-phosphate dehydrogenase (G-6PD) in thyroid disorders] Kherci FZ, et al. **Nouv Presse Med** 5(11):718–9, 13 Mar 76 **(Fre)**

ETIOLOGY

Atypical mycobacterial infection of the thyroid gland. Rodgers BM, et al. **J Pediatr Surg** 10(5):827–9, Oct 75

[Acute pyogenic thyroiditis and thyroid abscess] Lafaye M, et al. **J Fr Otorhinolaryngol** 24(4):291–8, Apr 75 **(Fre)**

[Cystic degeneration of autonomous adenomas (author's transl)] Galvan G, et al. **Munch Med Wochenschr** 118(1):21–4, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Present-day problem of disorders of the endocrine function of the thyroid gland in children] Zhukovskiĭ MA. **Pediatriia** (7):7–12, Jul 75 **(Rus)**

FAMILIAL & GENETIC

Genetic disorders of the thyroid. Zonana J, et al. **Med Clin North Am** 59(5):1263–74, Sep 75 (54 ref.)

Inborn errors of the thyroid. Stanbury JB. **Prog Med Genet** 10:55–80, 1974 (98 ref.)

HISTORY

Nutrition classics. The Archives of Internal Medicine, Volume I, 1908: The relation of iodin to the structure of the thyroid gland. David Marine, and W. W. Williams. **Nutr Rev** 33(11):338–40, Nov 75

IMMUNOLOGY

Inhibition of antibody-dependent cell-mediated cytotoxicity (ADCC) as a means of detection of immune complexes in the sera of patients with thyroid disorders and bronchogenic carcinoma. Barkas T, et al. **Clin Exp Immunol** 25(2):270–9, Aug 76

Binding of thyroid microsomes by lymphocytes from patients with thyroid disease and normal subjects. Khalid BA, et al. **Clin Exp Immunol** 23(1):28–32, Jan 76

Immunology of thyroid disease. pp. 325–8. Rose NR. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.**

Detection of human anti-thyroxine and anti-triiodothyronine antibodies in different thyroid conditions. Staeheli V, et al. **J Clin Endocrinol Metab** 41(4):669–75, Oct 75

Letter: Thyroid-cell-membrane antibodies. Horne CH, et al. **Lancet** 2(7931):411–2, 30 Aug 75

Killer cells and immune complexes in thyroid disease. Calder EA, et al. **Proc R Soc Med** 68(4):250–2, Apr 75

[Microfluorometric demonstration of thyroglobulin antibodies with the defined antigen substrate spheres (DASS) system. Knapp W, et al. **Z Immunitaetsforsch** 151(1–2):61–8, Mar 76 (Eng. Abstr.) **(Ger)**

METABOLISM

The adrenocortical status of patients with thyroid disease. Brien TG. **Clin Endocrinol (Oxf)** 5(1):97–9, Jan 76

Letter: Triiodothyronine/reverse-triiodothyronine balance and thyroxine metabolism. Wenzel KW, et al. **Lancet** 2(7931):413, 30 Aug 75

Metabolic disorder of hormone production and thyropathies. Felt V, et al. **Rev Czech Med** 22(2):61–7, 1976 (17 ref.)

[Metabolic disturbances of hormonogenesis and thyroid diseases] Felt V, et al. **Vnitr Lek** 21(11):1097–101, Nov 75 (Eng. Abstr.) **(Cze)**

[Deiodination in the kidney and thyroid function) Voss C, et al. **Endokrinologie** 66(3):313–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Correlation between the free thyroxine index and intestinal absorption of radiocalcium in thyroid diseases] Gennari C, et al. **Boll Soc Ital Biol Sper** 52(9):642–4, 15 MAY 76 **(Ita)**

[Changes in the acetylcholine content of the wall of the stomach in the formation of 'stress' and 'steroid' stomach ulcers in animals with disorders of function of the thyroid gland] Rosolovskiĭ AP. **Patol Fiziol Eksp Ter** (4):44–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Letter: Prevalence of thyroid disease in the elderly sick. Hodkinson HM. **Br Med J** 1(6000):43, 3 Jan 76

An analysis of thyroid diseases seen at Kenyatta National Hospital. Gitau W. **East Afr Med J** 52(10):564–70, Oct 75

[Proceedings: Thyrotoxicosis in Algeria (study of 243 cases) (author's tranls)] Belabes M, et al. **Ann Endocrinol (Paris)** 36(6):367–8, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Thyroid diseases in childhood] **Orv Hetil** 117(11):667, 14 Mar 76 **(Hun)**

[Thyroid diseases in a central hospital] Ormstad K, et al. **Tidsskr Nor Laegeforen** 96(1):21–4, 10 Jan 76 (Eng. Abstr.) **(Nor)**

PATHOLOGY

Pigmentation and dysfunction of Gunn rat thyroid: correlation between morphological and biochemical data. Gomba S, et al. **Virchows Archiv [Cell Pathol]** 20(1):41–54, 11 Feb 76

[Proceedings: Ultrastructural aspects of human thyroid cell in different pathological conditions (author's transl)] Ketelbant-Balasse P, et al. **Ann Endocrinol (Paris)** 36(6):373–4, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Evaluation of pituitary and thyroid disease with thyrotropin-releasing hormone (TRH). pp. 312–9. Hershman JM, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Thyroid-pituitary feedback during iodine repletion. Gershengorn MC, et al. **J Clin Endocrinol Metab** 43(3):601–5, Sep 76

Thyroid-catecholamine interactions. Spaulding SW, et al. **Med Clin North Am** 59(5):1123–31, Sep 75 (61 ref.)

[Prolactin secretion on the administration of thyrotropin-releasing hormone in patients with thyroid function disorder (author's transl)] Nedvídková J, et al. **Cas Lek Cesk** 114(33):1011–3, 15 Aug 75 (Eng. Abstr.) **(Cze)**

[T.R.H. test in 93 cases of thyroid disease] Murie N, et al. **Nouv Presse Med** 4(37):2635–8, 1 Nov 75 (Eng. Abstr.) **(Fre)**

[New aspects of the pathology and pathophysiology of the thyroid gland] von Puttkamer K. **Z Allgemeinmed** 51(16):731–4, 10 Jun 75 **(Ger)**

[TRH (Thyrotropin Releasing Hormone) test in normal children and in children with various forms of thyroid diseases] Cacciari E, et al. **Minerva Pediatr** 27(29):1580–5, 22 Sep 75 (Eng. Abstr.) **(Ita)**

[Evaluation of the functioning of the hypothalamus-hypophysis-thyroid gland axis in the light of present-day research possibilities] Gembicki M. **Endokrynol Pol** 27(4):309–18, Jul–Aug 76 **(Pol)**

[Acquired vitiligo, diseases of the thyroid gland and diabetes mellitus] Jacyk W, et al. **Przegl Dermatol** 63(1):59–64, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

[Radioisotope study of the kidneys in thyroid diseases] Dubovyĭ ED, et al. **Vrach Delo** (6):99–102, Jun 74 (Eng. Abstr.) **(Rus)**

[Value of the thyrotropin (TSH) stimulation test by means of hypothalamic thyrotropin releasing hormone (TRH). I. In primary thyroid pathology with hypothalamo–hypophyseal integrity] Sánchez–Franco F, et al. **Rev Clin Esp** 139(2):137–43, 31 Oct 75 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Thyroid lymphography. Gandhi GM, et al. **Am J Surg** 131(5):563–5, May 76

[Thyroid and parathyroid angiography] Rossi P. **J Radiol Electrol Med Nucl** 56 suppl 2:450–2, 1975 **(Fre)**

[Contrast media methods of examination in the diagnosis of thyroid diseases] Fesenko VP, et al. **Klin Khir** (3):41–3, Mar 76 **(Rus)**

[Effect of lipiodol used in diagnostic sialography upon thyroid function in patients with Sjögren's syndrome (author's transl)] Aguilera S, et al. **Rev Med Chil** 103(8):537–40, Aug 75 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Management of patients with a history of radiation therapy to the head and neck during childhood. **J Kans Med Soc** 77(5):212, May 76

[Dose calculation for thyroid radiation therapy according to MIRD recommendations (author's transl)] Tautz M. **Radiobiol Radiother (Berl)** 17(1):71–5, 1976 (Eng. Abstr.) **(Ger)**

[Follow–up results of 131–I therapy of benign thyroid diseases: an unsolved problem of dosimetry] Falkensammer M, et al. **Strahlentherapie [Sonderb]** 74:64–73, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

Embryological considerations of thyroid surgery: developmental anatomy of the thyroid, parathyroids and the recurrent laryngeal nerve. Gray SW, et al. **Am Surg** 42(9):621–8, Sep 76

Letter: Therapy for thyroid nodules. Sampson RJ. **Ann Intern Med** 84(6):750–1, Jun 76

Variations of thyroxine (T3 and T4) during thyroid surgery. pp. 353–6. Garcia Perla JL, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Anesthesia and reanimation in thyroid and parathyroid surgery. pp. 339–43. Gutierrez Goicoechea JM. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Experience in the surgical treatment of diseases of the thyroid gland. Molina JE, et al. **J Surg Oncol** 7(5):427–34, 1975

Surgery of the thyroid. Thomas CG Jr. **Med Clin North Am** 59(5):1247–60, Sep 75 (24 ref.)

Cut–throat surgery. Wade JS. **Proc R Soc Med** 68(6):357–64, Jun 75

A technique for thyroidectomy. Esselstyn CB Jr. **Surg Clin North Am** 55(5):1031–45, Oct 75

Transantral orbital decompression for progressive endocrine exophthalmos. Bartlett PC, et al. **Trans Pac Coast Otoophthalmol Soc** 56:91–103, 1975

[Treatment of patients following thyroid gland surgery] Gerdes H. **Internist (Berlin)** 17(6):270–5, Jun 76 **(Ger)**

[Anesthesiologic peculiarities in thyroid diseases] Thiele C, et al. **Z Aerztl Fortbild (Jena)** 69(11):584–6, 1 Jun 75 **(Ger)**

[Current status of the surgical management of thyroid diseases] Richter S. **Z Allgemeinmed** 51(16):747–50, 10 Jun 75 **(Ger)**

[Thyroid gland surgery. Our observations based on the records of the Department of Endocrinology and the II Department of Surgery of the Medical Academy in Łódź] Rybiński K, et al. **Endokrynol Pol** 26(3):337–9, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Our experience in surgery of the thyroid gland. Value of current methods of exploration in establishing therapeutic indications] Lazăr C, et al. **Rev Chir [Chir]** 23(7):591–6, Jul–Aug 74 (Eng. Abstr.) **(Rum)**

THERAPY

The treatment of thyroid cysts by ultrasonically guided fine needle aspiration. Jensen F, et al. **Acta Chir Scand** 142(3):209–11, 1976

Endocrine and metabolic diseases. Treatment of thyroid disease: I. Evered DC. **Br Med J** 1(6004):264–6, 31 Jan 76

[Strauma in adolescence] Scriba PC. **Monatsschr Kinderheilkd** 123(5):307–10, May 75 **(Ger)**

URINE

Clinical value of urinary free thyroxine assays. Pastrana SL, et al. **Rev Invest Clin** 27(3):179–81, Jul–Sep 75

VETERINARY

[Res–O–Mat–T4 test, Tes–O–Mat–ETR test and thyroxine iodine as indicators of thyroid function in cattle] Bischoff V, et al. **Schweiz Arch Tierheilkd** 117(10):533–45, Oct 75 (Eng. Abstr.) **(Ger)**

THYROID GLAND

see related
STRUMA OVARII
ULTIMOBRANCHIAL BODY

Estimation of thyroid weight by scintigraphy. Mandart G, et al. **Int J Nucl Med Biol** 2(4):185–8, Oct 75

[Time development of haemodynamic changes in rats during thyreoidin administration (author's transl)] Kapitola J, et al. **Cas Lek Cesk** 114(49):1526–7, 5 Dec 75 (Eng. Abstr.) **(Cze)**

[Staining of colloid in various age groups. The aging of the thyroid] Kubacki J, et al. **Patol Pol** 26(4):511–5, Oct–Dec 75 (Eng. Abstr.) **(Pol)**

[Hypothyroidism caused by thyroid ectopy] Sliwa F, et al. **Pol Tyg Lek** 31(4):157–9, 26 Jan 76 (Eng. Abstr.) **(Pol)**

[Formalin–free method of preserving endocrine glands of the branchiogenous group (thyroid, parathyroid and thymus)] Voiner RA, et al. **Arkh Anat Gistol Embriol** 69(10):111–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Method of calculation of absorbed doses in radioisotope study of the thyroid gland] Kalachev AI. **Med Radiol (Mosk)** 20(12):42–5, Dec 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Secondary pituitary insufficiency: report of three cases of ectopia or hemiagenesis of the thyroid gland. Leiba S, et al. **Arch Intern Med** 136(9):1010–5, Sep 76

Lingual thyroid. Case report and review of the literature. Monroe JB, et al. **Arch Otolaryngol** 101(9):574–6, Sep 75

Accessory thyroid in the anterior mediastinum: case report. Salvatore M, et al. **J Nucl Med** 16(12):1135–6, Dec 75

Intratracheal thyroid. Myers EN, et al. **Laryngoscope** 85(11 pt 1):1833–40, Nov 75

Transposition of the lingual thyroid. Skolnik EM, et al. **Laryngoscope** 86(6):785–91, Jun 76

Thyroglossal duct cyst or ectopic thyroid gland? Chait D, et al. **Nebr Med J** 60(9):345–9, Sep 75

[Thymic ectopia and parathyroid tissue in the pangolin (Manis tricuspis Rafinesque)] Bureau JP, et al. **Bull Assoc Anat (Nancy)** 59(166):583–9, Sep 75 (Eng. Abstr.) **(Fre)**

[Hemi–agenesis of the thyroid gland] Blandino G, et al. **Minerva Med** 67(21):1368–70, 30 Apr 76 (Eng. Abstr.) **(Ita)**

[Somatic hypodevelopment in harmony with ectopic thyroid gland. Diagnostic and therapeutic prospects] Prosperi P, et al. **Minerva Pediatr** 28(19):1237–40, 26 May 76 **(Ita)**

[Aberrant goiter] Khokholia VP, et al. **Klin Khir** (2):29–34, 1975 (Eng. Abstr.) **(Rus)**

[Median dystopy of the thyroid gland] Bazarova EN. **Probl Endokrinol (Mosk)** 22(2):14–8, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Thyroid C–cells in normal and goitrous gland: a histochemical study. Beskid M. **Acta Histochem (Jena)** 54(2):313–21, 1975

Identification by nuclear magnetic resonance of iodinated lipids in the dog thyroid. Rabinowitz JL, et al. **Biochem Biophys Res Commun** 68(4):1161–8, 23 Feb 76

The structure and properties of 27S and larger iodoproteins in the thyroid gland. Berg G, et al. **Biochim Biophys Acta** 405(1):11–22, 9 Sep 75

9 S thyroid particulate iodoprotein. Gavaret JM, et al. **Biochim Biophys Acta** 405(2):353–62, 20 Oct 75

Purification and some properties of microsome–bound thyroglobulins. Kondo Y, et al. **Biochim Biophys Acta** 427(1):268–84, 18 Mar 76

Total thyroidal content of iodine in thyrotoxic patients measured by in vivo neutron activation analysis. Robertson I, et al. **Clin Endocrinol (Oxf)** 5(2):151–7, Mar 76

Electron microscope immunohistochemical localization of thyroglobulin in the rat thyroid gland. Pelletier G, et al. **Endocrinology** 98(5):1253–9, May 76

Iodine–129 in thyroids of grazing animals. Ballard RV, et al. **Health Phys** 30(4):345–50, Apr 76

Radioiodine(131I) in animal thyroids during nuclear tests in both hemispheres. Middlesworth LV. **Health Phys** 29(6):861–3, Dec 75

Monoamines in the C cells of the thyroid gland of callithricid primates. Machado CR. **Histochemistry** 48(3):187–90, 25 Aug 76

Detection of antithyroid residues in meat and some organs of slaughtered animals. De Brabander HF, et al. **J Chromatogr** 108(1):141–51, 7 May 75

Thyroidal triiodothyronine and thyroxine in Graves' disease: correlation with presurgical treatment, thyroid status, and iodine content. Larsen PR. **J Clin Endocrinol Metab** 41(06):1098–104, Dec 75

Thyroid peroxidase, thyroglobulin, cAMP and DNA in human thyroid. Valenta LJ. **J Clin Endocrinol Metab** 43(2):466–9, Aug 76

Iodoamino acid content and distribution in normal and abnormal human thyroids. Volpert EM, et al. **J Clin Endocrinol Metab** 41(3):446–52, Sep 75

Chemical composition of porcine thyroid cell plasma membranes. Verrier B, et al. **Mol Cell Endocrinol** 5(3–4):215–21, Aug–Sep 76

Measurement of intrathyroid iodine by neutron activation analysis. Robertson I, et al. **Proc R Soc Med** 68(6):384–6, Jun 75

Radioimmunoassay of human calcitonin in serum and tissue from healthy individuals and patients with medullary carcinoma of the thyroid gland. Gautvik KM, et al. **Scand J Clin Lab Invest** 36(4):323–9, Jul 76

Thyroxine content in the thyroid gland of domestic animals. VIII. Levels of thyroid gland of Egyptian buffaloes at various reproductive stages. Abdel–Wahab MF, et al. **Zentralbl Veterinaermed [A]** 23(05):408–12, Jul 76

[Proceedings: Lipid composition of bovine thyroid gland. IV. Glycolipids] Van Dessel G, et al. **Arch Int Physiol Biochim** 83(2):412–4, May 75 **(Dut)**

[Lipid composition of bovine thyroid. V. Lipophilic component of neutral glycolipids] Van Dessel G, et al. **Arch Int Physiol Biochim** 83(5):1014–6, Dec 75 **(Dut)**

[Proceedings: Lipid composition of bovine thyroid gland. VII. Anomer configuration of glycoside bonds in neutral glycolipids] van Dessel G, et al. **Arch Int Physiol Biochim** 84(1):197–8, Feb 76 **(Dut)**

[Proceedings: Lipid composition of bovine thyroid gland. VI Permethylation and periodate oxidation studies of neutral glycolipids] van Dessel G, et al. **Arch Int Physiol Biochim** 84(1):195–6, Feb 76 **(Dut)**

[Preparative electrophoresis in agarose gel of thyroid ribonucleic acids] Besson JE, et al. **Biochimie** 57(5):665–6, 1975 **(Fre)**

[Thyroid pigments in Gunn rats] Japundzic M, et al. **Bull Assoc Anat (Nancy)** 59(165):427–35, Jun 75 (Eng. Abstr.) **(Fre)**

[The occurrence of crystalline calcium oxalate in thyroid colloid in different functional states and ages. A light and electron microscopic study (author's transl)] Schaefer HE, et al. **Verh Dtsch Ges Pathol** 59:410–4, 1975 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Heterotopic thyroid follicles in the accessory mesonephric lobes of Heteropneutes fossilis (Bloch). Qureshi TA. **Acta Anat (Basel)** 93(4):506–11, 1975

Gross histomorphological and histochemical changes in the thyroid gland of goat with age. I. Cross and biometric study. Roy KS, et al. **Anat Anz** 137(5):479–85, 1975

Scintiscan characteristics of normal thyroid gland in a region of known iodine intake. Krishnamurthy GT, et al. **Nuklearmedizin** 15(2):60–2, Apr 76

[The weight of the reproductive organs, hypophysis and thyroid of male cynomolgus monkeys. (Macaca fascicularis) (author's transl)] Cho F, et al. **Exp Anim (Tokyo)** 24(4):173–5, Oct 75 (Eng. Abstr.) **(Jpn)**

[Use of stereologic methods for determining the relationship between the volumes and surfaces of biological structures] Bykov VL. **Arkh Anat Gistol Embriol** 69(7):96–9, Jun 75 (Eng. Abstr.) **(Rus)**

[Age and changes in the thyroid gland of A/He mice (morphometric and histochemical studies)] Bykov VL. **Arkh Anat Gistol Embriol** 70(6):41–7, Jun 76 (Eng. Abstr.) **(Rus)**

[Morphological changes in the thyroid gland of rats during various phases of the estral cycle] Pliner LI, et al. **Arkh Anat Gistol Embriol** 69(8):86–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Morphometric study of the thyroid gland] Khmel'nitskii OK, et al. **Arkh Patol** 37(7):71–6, 1975 (99 ref.) (Eng. Abstr.) **(Rus)**

[Some aspects of evaluating the thyroid gland scanning image normally and in pathology] Polenko VK, et al. **Probl Endokrinol (Mosk)** 22(2):18–23, 1976 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Vascular patterns of the thyroid gland. Tzinas S, et al. **Am Surg** 42(9):639–44, Sep 76

Superior thyroid artery cannulation for monitoring carotid artery operation. Falor WH, et al. **Arch Surg** 111(9):1036–7, Sep 76

Thyroid vascularity and trapping function: analysis of very early thyroidal technetium'uptake' Armstrong DI, et al. **Int J Nucl Med Biol** 3(2):65–70, Apr 76

Thyrocervical vertebral artery anastomosis an experimental evaluation. Raju S, et al. **J Surg Res** 19(3):219–24, Sep 75

Arteriovenous fistula as a complication of percutaneous internal jugular vein catheterization: case report. Ortiz J, et al. **Milit Med** 141(3):171, Mar 76

Transtracheal aspiration complicated by fatal endotracheal hemorrhage. Schillaci CR, et al. **N Engl J Med** 295(9):488–90, 26 Aug 76

A case of the left superior thyroid artery arising from the left common carotid artery and the A. thyroidea ima. Fujimoto Y, et al. **Okajimas Folia Anat Jpn** 51(5):219–30, Dec 74

The fine structure of the blood capillaries of some endocrine glands of the hagfish, Eptatretus stouti: implications for the evolution of blood and lymph vessels. Casley–Smith JR, et al. **Rev Suisse Zool** 82(1):35–40, May 75

[Anotomo–radiologic study of the inferior thyroid arteries. Value in the diagnosis of parathyroid adenomas] Bismuth

V, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:453–8, 1975 **(Fre)**

[Thyroid and parathyroid angiography] Rossi P. **J Radiol Electrol Med Nucl** 56 suppl 2:450–2, 1975 **(Fre)**

[Results of post mortem thyroid gland phlebography (author's transl)] Günther R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):350–4, Oct 75 (Eng. Abstr.) **(Ger)**

[A case of traumatic aneurysm of the thyrocervical trunk] Ito K, et al. **Yonago Acta Med** 17(3):216–9, Dec 73 (Eng. Abstr.) **(Ger)**

[Effect of drugs on thyroid vein endothelium] Kobayashi S. **Yonago Acta Med** 17(3):179–84, Dec 73 (Eng. Abstr.) **(Ger)**

[Arterial vascularization of the thyroid gland in man and the practical importance of anomalies in the course and development of thyroid arteries] Noczyński L. **Pol Przegl Chir** 48(7):877–81, Jul 76 (Eng. Abstr.) **(Pol)**

[Method of complex morphofunctional study of the capillary bed of the thyroid gland] Bykov VL. **Arkh Anat Gistol Embriol** 68(5):41–3, May 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Calcitonin cells and unusual follicles of the thyroid of the indian grey mongoose, Herpestes edwardsi (Geoffroy). Swarup K, et al. **Acta Anat (Basel)** 95(3):384–98, 1976

Action of cyclic adenosine 3',5' monophosphate on L–14C–leucine incorporation in a system of rough microsomes from bovine thyroid gland. Wägar G. **Acta Endocrinol (Kbh)** 81(1):96–103, Jan 76

Biogenic amine and amine precursor uptake by thyroid mast cells. Baráth P, et al. **Acta Morphol Acad Sci Hung** 22(3–4):327–30, 1974

Morphological and histochemical changes of ultimobranchial follicles of the rat thyroid in the course of postnatal life. Petkó M. **Acta Morphol Acad Sci Hung** 23(2):123–31, 1975

The oxyphil and C cells of the human thyroid gland. A cytochemical and histopathologic review. Roediger WE. **Cancer** 36(5):1758–70, Nov 75

Identification of C–cells in normal and goitrous rat thyroid tissues using antiserum to rat thyrocalcitonin and the immunoperoxidase bridge technique. Peng TC, et al. **Endocrinology** 97(6):1537–44, Dec 75

Light microscopic observations in the thyroid of active bats. Velický J, et al. **Folia Morphol (Praha)** 23(1):7–13, 1975

Distribution of calcitonin–containing cells in the normal neonatal human thyroid gland: a correlation of morphology with peptide content. Wolfe HJ, et al. **J Clin Endocrinol Metab** 41(06):1076–81, Dec 75

A histochemical and ultrastructural study of lipofuscin accumulation in thyroid follicular cells of aging domestic cats. Ives PJ, et al. **Mech Ageing Dev** 4(5–6):399–413, Sep–Dec 75

[The histochemical properties and functional significance of Askanazy cells in the human thyroid gland] Raikhlin NT, et al. **Eksp Med Morfol** 11(1):5–9, 1972 (Eng. Abstr.) **(Bul)**

[The functional cytochemistry of amine precursor uptake and decarboxylation (APUD) cells and its uses in pathology] Berger G, et al. **Ann Anat Pathol (Paris)** 19(4):371–98, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[Histologic and karyometric changes in thyroid C cells of male golden hamsters during the annual cycle] Ouvrard–Pascaud M, et al. **C R Acad Sci [D] (Paris)** 282(6):575–8, 9 Feb 76 (Eng. Abstr.) **(Fre)**

[Masked metachromasia of C–cells in the thyroid gland of the rat] Petkó M. **Verh Anat Ges** 68:837–9, 1974 (Eng. Abstr.) **(Fre)**

[Genesis of C–cells of the thyroid gland in Wistar rats] Roszkiewicz J. **Gegenbaurs Morphol Jahrb** 121(3):300–9, 1975 (Eng. Abstr.) **(Ger)**

[Effects of various room temperatures with an almost N–free diet on the morphology of the thyroid gland and on the concentration of individual serum components in rats] Blähser S, et al. **Verh Anat Ges** 68:771–81, 1974 (Eng. Abstr.) **(Ger)**

[Behavior of the mitotic index of follicle epithelium and C–cells during the diurnal cycle and exposure to cold] Kaissling B, et al. **Verh Anat Ges** 68:817–21, 1974 (Eng. Abstr.) **(Ger)**

[Histochemical studies of several 'K'–cell enzymes in guinea pig thyroid glands] Danowski J. **Arkh Anat Gistol Embriol** 70(1):23–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Methodological peculiarities of the preliminary preparation of the thyroid gland for histochemical and electron microscopic study] Nevorotin AI, et al. **Arkh Anat Gistol Embriol** 68(4):99–102, Apr 75 (Eng. Abstr.) **(Rus)**

[Mitosis of thyroid gland C–cells (electron microscopic findings)] Gorbunova MP. **Tsitologiia** 18(2):219–21, Feb 76 **(Rus)**

[Mastocytes of the thyroid gland in blinded rats] Kalamaras A. **God Zb Med Fak Skopje** 21:103–9, 1975 **(Ser)**

DRUG EFFECTS

Collaboration of serotonin and melatonin in the control of thyroid function. Csaba G, et al. **Acta Biol Med Ger** 34(6):1097–100, 1975 (Eng. Abstr.)

Preoperative treatment of thyrotoxicosis with a beta–adrenergic blocking agent. Ljunggren JG, et al. **Acta Chir Scand** 141(8):715–8, 1975

In vitro studies on domestic fowl thyroids. Fodor A, et al. **Acta Vet Acad Sci Hung** 25(2–3):145–51, 1975

On the mechanism of some organophosphorus compounds influence on the functional state of the rat thyroid. Bojadziev SB, et al. **Agressologie** 16 Spec No C:67–72, 1975

Long–term assessment of children exposed in utero to carbimazole. McCarroll AM, et al. **Arch Dis Child** 51(7):532–6, Jul 76

Effects of amiodarone on thyroid function in patients with ischaemic heart disease. Pritchard DA, et al. **Br Heart J** 37(8):856–60, Aug 75

Excessive vitamin D content of a standard iron–deficient diet for rats. Triggs SM, et al. **Br J Nutr** 35(2):277–80, Mar 76

Effect of lithium on hypothalamic–pituitary–thyroid function in patients with affective disorders. McLarty DG, et al. **Br Med J** 3(5984):623–6, 13 Sep 75

The influence of preoperative drug treatment on the histological appearances and in vitro 131I uptake of human hyperplastic thyroid gland. Beck JS, et al. **Clin Endocrinol (Oxf)** 4(5):469–75, Sep 75

Effect of ethionamide on thyroid function. Marmorstein BL, et al. **Curr Ther Res** 19(4):483–6, Apr 76

Alteration of thyroidal responsiveness to TSH under the influence of circulating thyroid hormone: short feed–back regulatory effect. Shishiba Y, et al. **Endocrinol Jpn** 22(4):367–71, Aug 75

The effect of iodide administration on hog thyroid gland and the composition of thyroglobulin and 27–S iodoprotein. Tarutani O, et al. **Endocrinol Jpn** 22(5):389–97, Oct 75

Effects of calcium ionophore (A–23187) on glucose oxidation and iodide transport in dog thyroid slices. Yamashita K, et al. **Endocrinol Jpn** 22(5):415–8, Oct 75

The effect of elevated doses of thyrotropin on mouse thyroid. Gafni M, et al. **Endocrinology** 97(6):1486–93, Dec 75

On the mechanism of inhibition by iodine of the thyroid adenylate cyclase response to thyrotropic hormone. Rapoport B, et al. **Endocrinology** 99(1):11–22, Jul 76

Further studies on prostaglandins. III. Effect of prostaglandins on thyroid activity as assessed by 125I. Abdel–Wahab MF, et al. **Endokrinologie** 64(3):323–8, 1975

Inhibition of thyroid function and thyrotrophic activity following the administration of methallibure (ICI–33 828). Dixit VP, et al. **Endokrinologie** 65(1):66–71, Feb 75

Effect of different doses of ascorbic acid on thyroid activity in rats at different levels of dietary protein intake. Mallick N, et al. **Endokrinologie** 65(3):333–9, 1975

Effect of thiourea on calcitonin cells of the Indian grey mongoose Herpestes edwardsi (Geoffroy). Swarup K, et al. **Endokrinologie** 66(1):104–7, Sep 75

Effects of prolonged ethylene thiourea ingestion on the thyroid of the rat. Graham SL, et al. **Food Cosmet Toxicol** 13(5):493–9, Oct 75

Effect of subacute oral administration of zinc ethylenebis(dithiocarbamate) on the thyroid galnd and adenohypophysis of the rat. Ivanova–Chemishanska L, et al. **Food Cosmet Toxicol** 13(4):115–7, Aug 75

Control by TSH of protein turnover in thyroid subcellular fractions. Dinsart C, et al. **Horm Metab Res** 8(2):140–5, Mar 76

Effect of certain neurohumors on thyroid gland. Gautam A, et al. **Indian J Exp Biol** 13(4):346–9, Jul 75

Effects of thiourea treatment on thyroid & ovary of the catfish Heteropneustes fossilis (Bloch). Mukherjee A. **Indian J Exp Biol** 13(4):327–32, Jul 75

The failure of physiologic doses of reverse T3 to effect thyroid–pituitary function in man. Nicod P, et al. **J Clin Endocrinol Metab** 43(2):478–81, Aug 76

Iodine–induced thyrotoxicosis in apparently normal thyroid glands. Savoie JC, et al. **J Clin Endocrinol Metab** 41(4):685–91, Oct 75

The effect of short–term triiodothyronine administration on thyroxine response to exogenous TSH in man. Vigneri R, et al. **J Clin Endocrinol Metab** 41(5):974–6, Nov 75

Effect of amiodarone on serum triiodothyronine, reverse triiodothyronine, thyroxin, and thyrotropin. A drug influencing peripheral metabolism of thyroid hormones. Burger A, et al. **J Clin Invest** 58(2):255–9, Aug 76

Altered thyroidal responsivity to thyrotropin induced by circulating thyroid hormones. A 'short–loop' regulatory mechanism? Yu S, et al. **J Clin Invest** 57(3):745–55, Mar 76

Dehydroepiandrosterone–induced thyrotrophin release during heat stress in rats. Tal E, et al. **J Endocrinol** 67(1):99–103, Oct 75

Effect of adrenal hormones on thyroid secretion and thyroid hormones on adrenal secretion in the sheep. Falconer IR, et al. **J Physiol (Lond)** 250(2):261–73, Sep 75

Lithium and the thyroid gland. Bell RL. **J Tenn Med Assoc** 69(1):31, 33, Jan 76

Letter: 5–fluorouracil and the thyroid. Beex LV, et al. **Lancet** 1(7964):866–7, 17 Apr 76

Adverse effects of iodides on thyroid function. Vagenakis AG, et al. **Med Clin North Am** 59(5):1075–88, Sep 75 (46 ref.)

Letter: Pituitary–thyroid function after cessation of prolonged thyroid suppression. Molitch ME, et al. **N Engl J Med** 295(4):231, 22 Jul 76

Effects of lithium on thyroid gland function. Wolff J. **Neurosci Res Program Bull** 14(2):178–80, Apr 76

How drugs act. 18. Drugs and the thyroid gland. Smith SE. **Nurs Times** 71(43):1708–9, 23 Oct 75

Antithyroid activity of goitrin in chicks. Akiba Y, et al. **Poult Sci** 55(2):716–9, Mar 76

The effects of 1, 2, 3, 4, 10, 10–hexachloro–1, 4, 4a, 5, 8, 8a–hexahydroxy endo, exo–5, 8–dimethionaphthalene (aldrin) and sodium ethylenebisdithiocarbomate (nabam) on the chick. Kuzan FB, et al. **Poult Sci** 54(4):1054–64, Jul 75

Inhibitory effect of large doses of propylthiouracil and methimazole on an increase of thyroid radioiodine release in response to thyrotropin. Sato A, et al. **Proc Soc Exp Biol Med** 152(1):90–4, May 76

Thyroxine and triiodothyronine influence cultured throid cells: alterations of morphology and mucosubstances. Siegel E. **Proc Soc Exp Biol Med** 152(1):1–5, May 76

TRH treatment in psychiatric patients—effects on the pituitary–thyroid axis and on the EEG sleep pattern. Cassano GB, et al. **Psychopharmacol Bull** 11(4):66–7, Oct 75

The influence of dietary iodine on lithium blood level, serum T4 and thyroid gland weight. Sanghvi I, et al. **Psychopharmacol Commun** 1(4):437–44, 1975

Effect of malononitrile dimer on thyroid activity and uptake of radioiodine (131 i). Dhindsa KS. **Radiobiol Radiother (Berl)** 16(6):711–5, 1975

Effect of iodide on compensatory goiter in rats following hemithyroidectomy. Clark OH, et al. **Surg Forum** 26:182–4, 1975

The effect of vitamin C supplement on the thyroid activity of chickens using 125I. Abdel–Wahab MF, et al. **Zentralbl Veterinaermed [A]** 22(9):769–75, Nov 75

[Effect of certain diuretics on thyroid function in rats] Cuparencu B, et al. **Agressologie** 17(1):33–41, 1976 (Eng. Abstr.) **(Fre)**

[Effect of pregnenolone–16 alpha–carbonitrile on the activity of the rat thyroid gland and anterior pituitary] Japundzic M, et al. **Bull Assoc Anat (Nancy)** 59(165):419–26, Jun 75 (Eng. Abstr.) **(Fre)**

[Influence of somatostatine on plasma level of calcitonin in the calf and the swine] Barlet JP, et al. **C R Soc Biol (Paris)** 169(6):1476–82, 1975 (Eng. Abstr.) **(Fre)**

[Antidiuretic effect of vasopressin in normal and hypothyroid rats with and without thyroid hormone substitution] Cabrijan T, et al. **Acta Med Iugosl** 30(2):161–71, Mar 76 **(Ger)**

[Effects of Turisynchron and Suisynchron on the thyroid gland in rats during simultaneous administration of TSH] Löw O, et al. **Arch Exp Veterinaermed** 29(3):375–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Letter: Thyroid function in lithium therapy] Reinwein D. **Dtsch Med Wochenschr** 101(6):217, 6 Feb 76 **(Ger)**

[Ultrastructural changes of C–cells in the rat during a 2–month administration of calcitonin] Bucher O, et al. **Verh Anat Ges** 68:799–803, 1974 (Eng. Abstr.) **(Ger)**

[Endocrine glands following administration of receptor blockaders] Fischer F. **Verh Anat Ges** 68:663–9, 1974 **(Ger)**

[Age–dependent changes in the rat thyroid after T3, MTU and TSH. Light–microscopic and histometric studies (author's transl)] Stötzer H. **Verh Dtsch Ges Pathol** 59:405–9, 1975 (Eng. Abstr.) **(Ger)**

[Histofunctional changes in the thyroid after administration of benzedrine] Breda M, et al. **Boll Soc Ital Biol Sper** 51(18):1152–7, 30 Sep 75 **(Ita)**

[Effect of synthetic progestins on thyroid gland function] Khomasuridze AG, et al. **Akush Ginekol (Mosk)** (6):28–31, Jun 75 (Eng. Abstr.) **(Rus)**

[Oral contraceptives and thyroid gland] Khomasuridze AG. **Akush Ginekol (Mosk)** (2):5–8, Feb 76 **(Rus)**

[Changes in the thyrocytes to the administration of intermedin under conditions of the aminazine–altered functional state of the nervous system] Mel'nik BE, et al. **Arkh Anat Gistol Embriol** 70(2):87–91, Feb 76 (Eng. Abstr.) **(Rus)**

[Thyroxine depression of compensatory hypertrophy of the thyroid gland in rats of different ages] Bershtein LM. **Biull Eksp Biol Med** 80(8):31–3, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of uranium on iodine metabolic kinetics in the thyroid gland (short–term intervals)] Malenchenko AF, et al. **Farmakol Toksikol** 38(3):328–31, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of gravihormone, pregnant mare's serum and FSH on the ovaries and thyroid gland of sheep] Cheremisinov GA. **Veterinariia** (6):70–3, Jun 76 **(Rus)**

[Development of the reaction of thyroid gland to thyrotropic stimulation in rats (author's transl)] Sámel M. **Bratisl Lek Listy** 64(2):197–201, Aug 75 (Eng. Abstr.) **(Slo)**

[Effect of propylthiouracil on fractions of SH–substances in the rat thyroid gland (author's transl)] Sedlák J, et al. **Bratisl Lek Listy** 65(1):95–100, Jan 76 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Morphogenesis of thyroid follicles in vitro. Cau P, et al. **Adv Anat Embryol Cell Biol** 52(2):3–66, 1976

Embryological considerations of thyroid surgery: developmental anatomy of the thyroid, parathyroids and the recurrent laryngeal nerve. Gray SW, et al. **Am Surg** 42(9):621–8, Sep 76

Fine structure of the fetal rat thyroid and parathyroid glands at term and during prolonged gestation. Thliveris JA. **Cell Tissue Res** 166(3):421–5, 25 Feb 76

Studies on the development of endocrine glands in fishes. V. Development of the thyroid gland in two species of teleosts. Belsare DK. **Gegenbaurs Morphol Jahrb** 122(1):118–22, 1976

Thyroidal radioiodine exposure of the fetus. Book S, et al. **Health Phys** 29(6):874–7, Dec 75

Thyroglossal duct carcinoma. Joseph TJ, et al. **Hum Pathol** 6(6):717–29, Nov 75 (45 ref.)

Iodine incorporation by embryonic entoderm. Csaba G, et al. **Z Mikrosk Anat Forsch** 89(4):599–605, 1975

[Hypothalamo–hypophyseal relationships in the chick embryo] Maraud R, et al. **C R Soc Biol (Paris)** 169(4):923–7, 1975 (Eng. Abstr.) **(Fre)**

[Study of the endostyle of the lamprey larva in relation to the problem of the evolution of the thyroid gland] Gorbunova MP. **Zh Obshch Biol** 36(2):173–83, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Thyroid peroxidase activity in iodine deficient rats. Fragu P, et al. **Acta Endocrinol (Kbh)** 82(3):535–43, Jul 76

Purification and characterization of a purine–nucleoside phosphorylase from bovine thyroid. Moyer TP, et al. **Arch Biochem Biophys** 174(2):622–9, Jun 75

Phospholipases A1 and A2 in bovine thyroid. de Wolf M, et al. **Biochim Biophys Acta** 424(2):183–94, 23 Feb 76

Further characterization of bovine thyroid prostaglandin synthase. Friedman Y, et al. **Biochim Biophys Acta** 397(2):331–41, 26 Aug 75

Demonstration of a thyrotropin–responsive prostaglandin E2–9–ketoreductase in bovine thyroid. Friedman Y, et al. **Biochim Biophys Acta** 431(3):615–23, 22 Jun 76

Human thyroid cyclic nucleotide phosphodiesterase. Its characterization and the effect of several hormones on the activity. Nagasaka A, et al. **Biochim Biophys Acta** 438(2):449–60, 8 Jul 76

Characterization of protein phosphokinase activities in horse thyroid nuclei. Verhaegen M, et al. **Biochim Biophys Acta** 429(1):163–72, 11 Mar 76

Particulate regulator of thyroid protein phosphokinases. Pavlovic–Hournac M, et al. **Biochimie** 57(10):1245–7, 1975

Differential effects of constant illumination on thyroidal lactic dehydrogenase in male and female rats. Gehrmann WH. **Comp Biochem Physiol [B]** 53(1):115–7, 1976

Reduction of 5'–nucleotidase activity in rat thyroid and adenohypophysis following methylthiouracil treatment. Matsuzaki S. **Endocrinol Jpn** 23(1):49–54, Feb 76

Activation of thyroid adenyl cyclase by antisera to thyroid plasma membrane preparations. Ong M, et al. **Endocrinology** 98(4):880–5, Apr 76

The mechanism of action of the thioureylene antithyroid drugs. Taurog A. **Endocrinology** 98(4):1031–46, Apr 76

Thyroid–stimulating hormone regulation of ornithine decarboxylase activity in the thyroid. Zusman DR, et al. **Endocrinology** 97(5):1089–95, Nov 75

Adenylate cyclase and protein phosphokinase activities in human thyroid. Comparison of normal glands, hyperfunctional nodules and carcinomas. Sand G, et al. **Eur J Cancer** 12(6):447–53, Jun 76

Carboxylic ester hydrolases in the thyroid gland of the guinea–pig. A light microscopic study. Kirkeby S. **Histochem J** 8(1):25–34, Jan 76

Effect of hypophysectomy on tissue MAO activity. pp. 321–30. Holzbauer M, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

Monoamine oxidase in thyroid gland of rats: effect of neurohumors, thyroxine, carbimazole, adrenaline, beta–adrenergic blockers & MAO inhibitors. Udupa A, et al. **Indian J Exp Biol** 14(1):14–8, Jan 76

Solubilization of thyroid peroxidase by nonionic detergents. Neary JT, et al. **J Biol Chem** 251(8):2525–9, 25 Apr 76

Charge effects in the activation of adenylate cyclase. Wolff J, et al. **J Biol Chem** 250(17):6897–903, 10 Sep 75

Effect of antithyroid agents 6–propyl–2–thiouracil and 1–mehtyl–2–mercaptoimidazole on human thyroid iodine peroxidase. Nagasaka A, et al. **J Clin Endocrinol Metab** 43(1):152–8, Jul 76

Phosphoprotein phosphatase activity in the thyroid. Spaulding SW, et al. **Proc Soc Exp Biol Med** 150(3):568–70, Dec 75

[Proceedings: Microsomal lysophospholipase in bovine thyroid gland] De Wolf M, et al. **Arch Int Physiol Biochim** 83(2):360–1, May 75 **(Dut)**

[Proceedings: Phospholipase A1, phospholipase A2 and lipase activities in bovine thyroid mitochondrial fractions] De Wolf M, et al. **Arch Int Physiol Biochim** 84(1):157–8, Feb 76 **(Dut)**

[Proceedings: Peroxydase activity in benign thyroid diseases and in experimental rat goiters (author's transl)] Fragu P, et al. **Ann Endocrinol (Paris)** 36(3):165–6, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Subcellular distribution of the protein kinase activity in the normal and neoplastic thyroid tissue of the rat] Meldolesi MF, et al. **C R Soc Biol (Paris)** 169(6):1442–8, 1975 (Eng. Abstr.) **(Fre)**

[On thyroid phosphatase in human serum (author's transl)] van Husen N, et al. **Klin Wochenschr** 54(8):393–4, 15 Apr 76 (Eng. Abstr.) **(Ger)**

[Identification of C–cells in the thyroid gland of rats] Winckler J. **Verh Anat Ges** 69:691–6, 1975 (Eng. Abstr.) **(Ger)**

[Changes in glucose–6–phosphate dehydrogenase and malate dehydorgenase activities in the thyroid gland of guinea pigs acclimated to heat] Gulisano G, et al. **Boll Soc Ital Biol Sper** 51(11):673–4, 15 Jun 75 **(Ita)**

[Electron cytochemical study of the localization of endogenous peroxidase in the cells of the intact and hyperplastic rat thyroid gland] Dmitrieva NP, et al. **Izv Akad Nauk SSSR [Biol]** (5):781–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Some aspects of regulation of adenosine triphosphatase activity in the thyroid gland in trauma] Shepotinovskiĭ VI, et al. **Patol Fiziol Eksp Ter** (1):71–2, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[A quantitative histochemical study of alkaline phosphatase isoenzyme kinetics in the thyroid gland, kidney and small intestine of white rats] Prianishnikov VA, et al. **Tsitologiia** 18(3):350–3, Mar 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Morphokinetics of rat thyroid in ontogenesis. Węgiel J, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):103–4, 1976

Quantitative changes of the C–cell population in the rat thyroid during postnatal ontogenesis. Petkó M, et al. **Cell Tissue Res** 166(4):541–52, 27 Feb 76

Development of the hypothalamic–pituitary–thyroid axis in the neonatal rat. Dussault JH, et al. **Endocrinology** 97(5):1321–4, Nov 75

[Plasmatic iodine in a euthyroid children population] Horáčková M, et al. **Cesk Pediatr** 31(4):199–201, Apr 76 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Neonatal thyrotoxicosis is associated with transplacental passage of human thyroid stimulating immunoglobulin (HTSI). Mitchell I, et al. **Arch Dis Child** 51(7):565–7, Jul 76

Thyroid and other autoantibodies in British and Japanese women: an epidemiological study of breast cancer. Mittra I, et al. **Br Med J** 1(6004):257–9, 31 Jan 76

Measurement of circulating thyroid microsomal antibodies by the tanned red cell haemagglutination technique: its usefulness in the diagnosis of autoimmune thyroid diseases. Amino N, et al. **Clin Endocrinol (Oxf)** 5(2):115–25, Mar 76

Reaction of human smooth muscle antibody with thyroid cells. Biberfeld G, et al. **Clin Exp Immunol** 18(3):371–7, Nov 74

Reaction of human smooth muscle antibody with thyroid cells. Biberfeld G, et al. **Clin Exp Immunol** 18(3):371–7, Nov 74

Binding of thyroid microsomes by lymphocytes from patients with thyroid disease and normal subjects. Khalid BA, et al. **Clin Exp Immunol** 23(1):28–32, Jan 76

Indirect immunofluorescence staining of human thyroid by antibodies occurring in Yersinia enterocolitica infections. Lidman K, et al. **Clin Exp Immunol** 23(3):429–35, Mar 76

Local production of immunoglobulin in the thyroid gland of obese strain (OS) chickens. Schauenstein K, et al. **Clin Exp Immunol** 17(4):637–46, Aug 74

Local production of immunoglobulin in the thyroid gland of obese strain (OS) chickens. Schauenstein K, et al. **Clin Exp Immunol** 17(4):637–46, Aug 74

In vitro adherence of nonsensitized cells to antibody–coated thyroid tissue in autoimmune thyroiditis. Pinedo C, et al. **Clin Immunol Immunopathol** 5(1):6–11, Jan 76

Lymphocyte reactivity depression by linoleic acid and related substances: an absorption study. pp. 189–94. Shenton BK, et al. **In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974.**

Thyroid antigen stimulates lymphocytes from patients with Graves' disease to produce thyroid–stimulating immunoglobulin (TSI). Knox AJ, et al. **J Clin Endocrinol Metab** 43(2):330–7, Aug 76

Letter: Antithyroid antibodies in Alport's syndrome. **Lancet** 1(7966):968, 1 May 76

Letter: Thyroid–cell–membrane antibodies. Horne CH, et al. **Lancet** 2(7931):411–2, 30 Aug 75

Antithyroid antibodies in Alport's syndrome. Miyoshi K, et al. **Lancet** 2(7933):480–2, 13 Sep 75

Assessment of a haemagglutination test for thyroid microsomal antibody. Perrin J, et al. **Med Lab Technol** 31(3):205–11, Jul 74

Statistical probability applied in the study of the thyroid of immunized rats. Constantinescu E, et al. **Morphol Embryol (Bucur)** 22(3):215–20, Jul–Sep 76 (Eng. Abstr.)

Relationships between specialized cells, capillaries, and intermediary cytofibrillary elements. VIIth note. Epitheliocapillary relationships in hypothysis and thyroid during experimentally conditioned immunity. Mârza VD. **Morphol Embryol (Bucur)** 22(2):63–78, Apr–Jun 76 (Eng. Abstr.)

Self–tolerance and autoimmunity in the thyroid. Allison AC. **N Engl J Med** 295(15):821–7, 7 Oct 76

[Thyroid antibodies in juvenile struma] Khadzhilski K, et al. **Vutr Boles** 14(6):59–60, 1975 **(Bul)**

[Effect of iodinization on some properties of LATS and antithyroid antibodies] Romaldini JH, et al. **Folia Endocrinol (Roma)** 27(1):110–6, Feb 74 **(Ita)**

[The extent of the swelling of the thyroid gland and analysis of anti–thyroid autoantibody among high–school students] Niimi T, et al. **Clin Endocrinol (Tokyo)** 23(8):805–7, Aug 75 **(Jpn)**

[Clinical studies on autoimmune mechanisms of the thyroid Part II. Leucocyte migration inhibiton studies in Hashimoto's thyroiditis and in Graves' disease (author's transol)] Ikekubo K. **Folia Endocrinol Jpn** 51(10):840–55, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

[Incidence of thyroglobulin and microsomal antibodies in normal subjects (author's transl)] Nagaoka K, et al. **Folia Endocrinol Jpn** 51(2):98–102, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[The clinical and immunological association of insulin antibodies and thyroid antibodies in diabetics (author's transl)] Nagaoka K, et al. **Folia Endocrinol Jpn** 51(11):878–86, 20 Nov 75 (Eng. Abstr.) **(Jpn)**

[The clinical serological tests in chronic thyroiditis: the importance of measurement of anti–thyroid microsomal antibodies (author's transl)] Amino N, et al. **Jpn J Clin Pathol** 23(6):445–8, Jun 75 **(Jpn)**

[Quantitative determination of immunoglobulin fractions in acute intestinal infectious diseases] Starshinova VS, et al. **Klin Med (Mosk)** 52(2):39–41, Feb 74 **(Rus)**

[Autoimmune reactions in diffuse toxic goiter after treatment with radioactive iodine] Mazepa MA, et al. **Med Radiol (Mosk)** 21(2):72–3, Feb 76 **(Rus)**

INNERVATION

Electron microscopic identification of adrenergic nerve endings on thyroid epithelial cells. Tice LW, et al. **Endocrinology** 97(5):1123–9, Nov 75

[The innervation of the thyroid gland of the sand rat (Psammomys obesus)] von Dorsche HH, et al. **Z Mikrosk Anat Forsch** 88(4):632–6, 1974 (Eng. Abstr.) **(Ger)**

[The state of the nuclear apparatus of the thyroid gland under conditions of hypofunction of the sympathetic division of the nervous system] Volkova OV, et al. **Probl Endokrinol (Mosk)** 21(6):80–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Thyroid iodine uptake, thyroid iodine secretion and plasma TSH levels in male rats during the day and night. Pallardo LF, et al. **Acta Endocrinol (Kbh)** 82(3):517–29, Jul 76

Studies on the mechanism of action of potassium iodide on thyroid protein biosynthesis. Pisarev MA, et al. **Acta Endocrinol (Kbh)** 82(2):298–305, Jun 76

Studies on proteolytic activity and function of the thyroid gland in rats administered excess iodide. Sinadinović J, et al. **Acta Endocrinol (Kbh)** 82(4):728–36, Aug 76

The serotonin retaining effect of lithium in the rat thyroid. Veijlsted H, et al. **Acta Endocrinol (Kbh)** 82(3):530–4, Jul 76

Acute effects of salicylate on thyroidal trapping and release of I–131 in vitro. Bandisode MS, et al. **Ala J Med Sci** 12(3):240–3, Jul 75

Evidence for differential synthesis of thyroxine and tri–iodothyronine by cultured human thyroid cells following exposure to thyrotrophin or dibutyryl cyclic AMP. Bidey SP, et al. **Biochem Biophys Res Commun** 70(2):418–24, 17 May 76

Comparison of thyrotrophin receptors in membranes prepared from fat and thyroid tissue. Teng CS, et al. **Biochem Biophys Res Commun** 66(2):836–41, 16 Sep 75

Biphasic effect of extracts of Lithospermum ruderale on the uptake of 32P by testes and thyroids of cockerels. Zeller FJ, et al. **Biochem Biophys Res Commun** 67(3):1234–41, 1 Dec 75

A study of thyrotropin stimulated 131I release in vitro by thyroid glands obtained from normal and protein deficient rats. Gaitonde BB, et al. **Biochem Med** 12(4):340–7, Apr 75

Complex mitochondrial DNA in animal thyroids. A comparative study. Matsumoto L, et al. **Biochim Biophys Acta** 423(3):257–66, 19 May 76

Molecular transport in thyroid slices. Paiva M, et al. **Biochim Biophys Acta** 419(2):349–57, 21 Jan 76

Evidence for mannolipids as intermediates in mannose transfer to thyroid rough microsomal glycoproteins. Ronin C, et al. **Biochim Biophys Acta** 428(2):445–55, 23 Apr 76

Thyroidal autoregulation. Iodide–induced suppression of thyrotropin–stimulated cyclic AMP production and iodinating activity in thyroid cells. Sherwin JR, et al. **Biochim Biophys Acta** 404(1):30–9, 8 Sep 75

Stimulatory actions of thyrotropin and dibutyryl cyclic AMP on transcription and translation in the regulation of thyroidal protein synthesis. Sherwin JR, et al. **Biochim Biophys Acta** 425(4):502–10, 2 Apr 76

Endogenous cyclic AMP in thyroid cell culture. Effect of thyroid–stimulating hormone and dibutyryl cyclic AMP. Verrier B, et al. **Biochim Biophys Acta** 428(1):233–9, 25 Mar 76

Kinetics of the thyroid follicle lumen diffusion subsystem: application to iodide accumulation by the thyroid follicle in vitro. Cantraine FR, et al. **Bull Math Biol** 37(3):301–21, Jun 75

Evaluation of the normal range of values for uptake of radioactive iodine by the thyroid gland. Schober B, et al. **Can Med Assoc J** 115(1):29–35, 3 Jul 76

35–S–antithyroid drug concentration and organic binding of iodine in the human thyroid. Lazarus JH, et al. **Clin Endocrinol (Oxf)** 4(6):609–15, Nov 75

Increased 131I uptake by the thyroid glands of Obese strain (OS) chickens derived from non–Protamone–supplemented hens. Sundick RS, et al. **Clin Exp Immunol** 18(1):127–39,

Sep 74

Increased 131I uptake by the thyroid glands of obese strain (OS) chickens derived from non-protamone-supplemented hens. Sundick RS, et al. **Clin Exp Immunol** 18(1):127–39, Sep 74

Computer study of iodide transport in thyroid slices in vitro. Cantraine FR, et al. **Comput Biomed Res** 8(5):405–22, Oct 75

A preliminary study of possible antithyroid effect of reserpine as measured by I131 uptake studies and its relation to time of administration. Telang BV, et al. **East Afr Med J** 52(11):611–4, Nov 75

Cyclic AMP in the thyroid of the rat fed prophylthiouracil: in vitro unresponsiveness to thyrotropin. Zakarija M, et al. **Endocr Res Commun** 2(6–7):419–29, 1975

Dynamics of biosynthesis of thyroglobulin subunits and their polymerization in rabbit thyroid slices in vitro. Sinadinović J, et al. **Endocrinol Exp (Bratisl)** 9(1):11–20, Jan 75

Thyroid function and polyamines. II. Thyrotropin stimulation of polyamine biosynthesis in the rat thyroid. Matsuzaki S, et al. **Endocrinol Jpn** 22(4):339–45, Aug 75

Changes in cyclic AMP level of rat thyroid by acute and chronic stimulation of thyrotropin in vivo. Nakamura Y, et al. **Endocrinol Jpn** 23(2):157–63, Apr 76

3,3',5'-Triiodothyronine (reverse T3) and 3,3',5-triiodothyronine (T3) in fetal and adult sheep: studies of metabolic clearance rates, production rates, serum binding, and thyroidal content relative to thyroxine. Chopra IJ, et al. **Endocrinology** 97(5):1080–8, Nov 75

Thyroidal iodine metabolism during the development of the chick embryo. Daugeras N, et al. **Endocrinology** 98(5):1321–31, May 76

Exocytosis of protein into the thyroid follicle lumen: an early effect of TSH. Ekholm R, et al. **Endocrinology** 97(2):337–46, Aug 75

Site of iodination in the rat thyroid gland deduced from electron microscopic autoradiographs. Ekholm R, et al. **Endocrinology** 97(6):1432–44, Dec 75

Induction of a coupling defect in rats during inhibition of tyrosine dehalogenase. Green WL. **Endocrinology** 98(1):10–9, Jan 76

Autoradiographic localization of slow turnover iodocompounds within the follicular cells of the rat thyroid gland. Haeberli A, et al. **Endocrinology** 97(4):978–84, Oct 75

The role of the pentose phosphate shunt in thyrotropin-induced thyroid hormone secretion: in vivo and vitro studies with 6-aminonicotinamide in mouse thyroids. Hashizume K, et al. **Endocrinology** 97(4):962–8, Oct 75

Further study of the mechanism of thyroid hormone secretion in an in vitro model system: direct evidence for fusion of lysosomes with thyroglobulin liposomes. Kawada J, et al. **Endocrinology** 98(6):1425–9, Jun 76

Defective thyroglobulin synthesis in an experimental rat thyroid tumor: iodination and thyroid hormone synthesis in isolated tumor thyroglobulin. Monaco F, et al. **Endocrinology** 97(2):347–51, Aug 75

Dog thyroid cells in monolayer tissue culture: adenosine 3', 5'-cyclic monophosphate response to thyrotropic hormone. Rapoport B. **Endocrinology** 98(5):1189–97, May 76

Formation of 3,3'-diiodothyronine and 3',5',3-triiodothyronine (reverse T3) in thyroid glands of rats and in enzymatically iodinated thyroglobulin. Taurog A, et al. **Endocrinology** 99(1):281–90, Jul 76

The fate of serotonin released from the intrathyroidal mast cells in albino rat. Baráth P. **Endokrinologie** 67(1):111–4, Mar 67

Comparative investigations on thyroglobulin biosynthesis in rabbit and guinea-pig thyroid in vitro. Sinadinović J, et al. **Endokrinologie** 67(2):204–14, Jun 76

Kinetics of adenosine 3':5'-monophosphate accumulation in dog thyroid slices. Swillens S, et al. **Eur J Biochem** 62(1):87–93, 2 Feb 76

Dissociation of cyclic 3',5'-guanosine monophosphate. Accumulation and secretory inhibition in the action of carbamylcholine on thyroid. Decoster C, et al. **FEBS Lett** 66(2):191–3, 15 Jul 76

Kinetic study of thyroidal iodine metabolism in ducks. Pethes G, et al. **Gen Comp Endocrinol** 28(4):420–5, Apr 76

Iodide uptake by the isolated thyroid gland of the river lamprey, Lampetra fluviatilis (L). Pickering AD. **Gen Comp Endocrinol** 28(3):358–64, Mar 76

Control by TSH of protein turnover in thyroid subcellular fractions. Dinsart C, et al. **Horm Metab Res** 8(2):140–5, Mar 76

Cyclic AMP level of human thyroid cells in monolayer culture. TSH induced refractoriness to TSH action. Kaneko Y. **Horm Metab Res** 8(3):202–6, May 76

Time sequence of 3',5'-cyclic AMP accumulation and ultrastructural changes in dog thyroid slices after acute stimulation by TSH. Ketelbant-Balasse P, et al. **Horm Metab Res** 8(3):212–5, May 76

Protein metabolism in hypo- and hyperstimulated rat thyroid glands. II. Degradation of newly formed thyroidal proteins. Pavlović-Hournac M, et al. **Horm Metab Res** 8(1):55–61, Jan 76

Protein metabolism in hypo- and hyperstimulated rat thyroid glands. I. Protein synthesis of different thyroidal proteins. Pavlović-Hournac M, et al. **Horm Metab Res** 7(6):492–8, Nov 75

The different modes of action of thyrotropin and prostaglandin E1 on cyclic adenosine 3',5'-monophosphate synthesis in human thyroid, as studied by sequential stimulations. Takasu N, et al. **Horm Metab Res** 8(3):206–11, May 76

Impairment and restoration of response to TSH in dog thyroid slices after treatment with phospholipase A and lubrol PX. Yamashita K, et al. **Horm Metab Res** 8(1):47–50, Jan 76

Electron microscopic autoradiography of rabbit and rat thyroid glands following calcitonin. pp. 357–77. Lupulescu A, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Thyrotropin-like activity of thyroid RNA in vitro. pp. 86–9. Mu J.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Effect of alcohol intake on rat hepatic enzymes & thyroid function. Ramakrishnan S, et al. **Indian J Biochem Biophys** 13(1):49–51, Mar 76

Experimental studies on the function of thyroid gland during hypothermia using 131I. Das Gupta S, et al. **Indian J Exp Biol** 13(6):565–6, Nov 75

Effects of iodine level on performance and thyroid traits of growing pigs. Cromwell GL, et al. **J Anim Sci** 41(3):813–8, Sep 75

Properties of the interaction between bovine thyrotropin and bovine thyroid plasma membranes. Amir SM, et al. **J Biol Chem** 251(15):4693–9, 10 Aug 76

Membrane-bound tubulin in brain and thyroid tissue. Bhattacharyya B, et al. **J Biol Chem** 250(19):7639–46, 10 Oct 75

Thyroid-stimulating hormone binding to beef thyroid membranes. Role of N-acetylneuraminic acid. Moore WV, et al. **J Biol Chem** 251(14):4247–53, 25 Jul 76

Characteristics of a solubilized thyrotropin receptor from bovine thyroid plasma membranes. Tate RL, et al. **J Biol Chem** 250(16):6527–33, 25 Aug 75

Thyrotropin receptors in thyroid plasma membranes. Characteristics of thyrotropin binding and solubilization of thyrotropin receptor activity by tryptic digestion. Tate RL, et al. **J Biol Chem** 250(16):6509–15, 25 Aug 75

Thyrotropin effects on thyroid cells in culture. Effects of trypsin on the thyrotropin receptor and on thyrotropin-mediated cyclic 3':5'-AMP changes. Winand RJ, et al. **J Biol Chem** 250(16):6534–40, 25 Aug 75

Thyroidal accumulation of 131I during adrenal gland scintigraphy with 131I-19-iodocholesterol: effects of thyroid blocking agents. Barbarino A, et al. **J Clin Endocrinol Metab** 41(2):405–7, Aug 75

Thyroglobulin biosynthesis in 'cold' and 'hot' nodules in the human thyroid gland. Monaco F, et al. **J Clin Endocrinol Metab** 41(2):253–9, Aug 75

Comparison of prostaglandin E1 and TSH stimulation of cyclic AMP synthesis in thyroid tissues from euthyroid subjects and thyrotoxic patients. Taskasu N, et al. **J Clin Endocrinol Metab** 43(1):69–79, Jul 76

Exposure of thyroid slices to thyroid-stimulating hormone induces refractoriness of the cyclic AMP system to subsequent hormone stimulation. Shuman SJ, et al. **J Clin Invest** 57(5):1132–41, May 76

The effect of prolonged kale feeding on the thyroid glands of sheep. David JS. **J Comp Pathol** 86(2):235–41, Apr 76

Effects of p-chlorophenylalanine on pineal serotonin and 131I uptake by the thyroid glands of rats. De Prospo N, et al. **J Endocrinol** 66(2):295–6, Aug 75

Proceedings: Influence of human thyroid-stimulating hormone and immunoglobulins from patients with Graves' disease on human thyroid cyclic AMP. Holmes SD, et al. **J Endocrinol** 69(3):8P–9P, Jun 76

Increased iodine uptake by obese strain thyroid glands transplanted to normal chick embryos. Sundick RS, et al. **J Immunol** 116(5):1319–23, May 76

Radioimmunoassay of calcitonin in plasma, normal thyroid, and medullary thyroid carcinoma of the rat. Roos BA, et al. **J Lab Clin Med** 88(2):173–82, Aug 76

Measurement of thyroid uptake of 99mTechnetium by conventional means compared to scinticamera. Pattrakulchai B, et al. **J Med Assoc Thai** 59(7):305–20, Jul 76

Thyroglobulin diffusion in the thyroid follicular lumen. Cantraine FR, et al. **J Theor Biol** 54(2):229–42, Oct 75

Influence of age on thyroidal 131I uptake in Beagle pups. Book SA. **Lab Anim Sci** 26(3):443–9, Jun 76

The effect of iodine deficiency on thyroid function in the infant rat. Greer MA, et al. **Metabolism** 24(12):1391–1402, Dec 75

Evaluation of thyroid function during growth hormone therapy. Rubio GR, et al. **Metabolism** 25(1):15–21, Jan 76

Transport of thyroglobulin and peroxidase in the thyroid follicle cell. Björkman U, et al. **Mol Cell Endocrinol** 5(1–2):3–17, Jun–Jul 76

Uptake of biogenic amines by thyroid glands. Gershon MD, et al. **Mol Cell Endocrinol** 5(3–4):169–80, Aug–Sep 76

Compartmentalization and movement of calcium in the thyroid. Rodesch F, et al. **Mol Cell Endocrinol** 5(3–4):303–13, Aug–Sep 76

Independence of beta-adrenergic and thyrotropin receptors linked to adenylate cyclase in the thyroid. Marshall NJ, et al. **Nature** 261(5561):603–4, 17 Jun 76

DNA measurements on cell nuclei of normal, proliferating and neoplastic thyroid tissues in rats. Christov K, et al. **Neoplasma** 22(3):285–94, 1975

Effects of drugs that modify brain biogenic amine concentrations on thyroid activation induced by exposure to cold. Onaya, et al. **Neuroendocrinology** 20(1):47–58, 1976

Comparison of various treatment schedules for accelerating the elimination of radioiodine from the thyroid and the human body. Livadas DP, et al. **Nucl Med (Stuttg)** 14(3):219–27, 31 Aug 75

Effect of thyroxine administration to the mother on postnatal radioiodine uptake by the thyroid of partially thyroidectomized rats. Sámel M. **Physiol Bohemoslov** 24(6):489–92, 1975

Effect of prostaglandins in vivo on enzymes involved in thyroid carbohydrate metabolism. Farnararo M, et al. **Physiol Chem Phys** 7(6):495–500, 1975

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 3. The influence of exogenous thyroid hormones in glycogen metabolism. Grandhi RR, et al. **Poult Sci** 54(2):499–502, Mar 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 5. Effects of exogenous thyroid hormones on amino acid uptake by eggs. Grandhi RR, et al. **Poult Sci** 54(2):510–3, Mar 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 1. Age related changes in thyroid hormone synthesis and circulating thyroid hormone levels. Grandhi RR, et al. **Poult Sci** 54(2):488–93, Mar 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 2. Binding of thyroid hormones by serum proteins. Grandhi RR, et al. **Poult Sci** 54(2):493–9, Mar 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 4. The influence of exogenous thyroid hormones on amino acid uptake by plasma and tissues. Grandhi RR, et al. **Poult Sci** 54(2):503–9, Mar 75

Cholera toxin interactions with thyrotropin receptors on thyroid plasma membranes. Mullin BR, et al. **Proc Natl Acad Sci USA** 73(5):1679–83, May 76

T3 release from thyroid slices as an assay for thyroid stimulators. Laurberg P, et al. **Scand J Clin Lab Invest** 35(8):723–7, Dec 75

Cyclic guanosine and adenosine 3',5'-monophosphates in canine thyroid: localization by immunofluorescence. Fallon EF, et al. **Science** 184(4141):1089–91, 7 Jun 74

3H-tyrosin incorporation by foregut entoderm, as an additional proof of extra-glandular presence of endocrine ptoencies. Csaba G. **Z Mikrosk Anat Forsch** 89(4):640–6, 1975

[The effect of a protein-free and fat-free diet on the thyroid gland of white rats] Khandzhiev S, et al. **Eksp Med Morfol** 11(2):89–92, 1972 (Eng. Abstr.) **(Bul)**

[The influence of several environmental factors on the ability of the thyroid gland to concentrate iodine] Manolov K, et al. **Eksp Med Morfol** 13(2):114–8, 1974 (Eng. Abstr.) **(Bul)**

[131-I capture by the thyroid gland during and after stopping thyrostatic treatment in thyrotoxicosis] Lozanov B, et al. **Vutr Boles** 14(3):103–10, 1975 (Eng. Abstr.) **(Bul)**

[Proceedings: Iodine metabolism in isolated human thyroid cells (hyperplastic goitre and toxic adenoma) (author's transl)] Rousset B, et al. **Ann Endocrinol (Paris)** 36(3):163–4, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Effect of thyrotropin on phosphate incorporation into proteins by dog thyroid gland slices] Lamy F, et al. **Arch Int Physiol Biochim** 83(2):380–1, May 75 **(Fre)**

[Proceedings: Control and role of cGMP in thyroid gland] Van Sande J, et al. **Arch Int Physiol Biochim** 83(2):416, May 75 **(Fre)**

[Effect of thyrotropic hormone on the metabolism of iodine by dog thyroid cells in tissue culture] Wadeleux P, et al. **Arch Int Physiol Biochim** 83(5):1020–1, Dec 75 **(Fre)**

[In vitro biosynthesis of iodothyronines from diiodo-3,5-L-tyrosyl-diiodo-3,5-L-tyrosine (author's transl)] Maurizis JC, et al. **Biochim Biophys Acta** 404(2):188–201, 9 Oct 75 (Eng. Abstr.) **(Fre)**

[Isotopic equilibrium and thyroid secretion] Bastiani P, et al. **C R Acad Sci [D] (Paris)** 281(16):1179–82, 20 Oct 75 (Eng. Abstr.) **(Fre)**

[Metabolism of radioiodine in Xenopus thyroid during larval life and metamorphosis] Nataf B, et al. **C R Acad Sci [D] (Paris)** 280(5):657–60, 3 Feb 75 (Eng. Abstr.) **(Fre)**

[Quantitative measurement of colloidal iodine in thyroid follicles of Xenopus larva by x-ray spectometry: effects of hypophysectomy and the administration of TSH] Hourdry J, et al. **Gen Comp Endocrinol** 27(3):277–88, Nov 75 (Eng. Abstr.) **(Fre)**

[Specific glycosyltransferases in thyroid membranes (author's transl)] pp. 967–80. Bouchilloux S, et al.
In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m. (Eng. Abstr.) **(Fre)**

[Histochemical and quantitative studies of RNA in the thyroid epithelium under the influence of thyrotropic hormone (TSH)] Gocan ME. **Morphol Embryol (Bucur)** 21(1):9–15, 1975 **(Fre)**

[Letter: Geographic variations of radio-iodine fixation by thyroid, in Basedow's disease. Franco-Quebec study] Verdy M, et al. **Nouv Presse Med** 5(18):1209, 1 May 76 **(Fre)**

[Thyroid uptake at 20 minutes: evaluation as a test of thyroid function] Dussault JH, et al. **Union Med Can** 104(3):372–6, Mar 75 (Eng. Abstr.) **(Fre)**

[The effect of a single dose of perchlorate on the 24-hour I 131 uptake] Faure N, et al. **Union Med Can** 104(8):1208–10, Aug 75 **(Fre)**

[The time course of radioiodine distribution in chicks after iodate treatment] Haid H. **Endokrinologie** 66(3):319–23, Dec 75 **(Ger)**

[Diurnal rhythms of thyroid hormones in rooster chicks (Gallus domesticus). 3. Studies on the changes in deiodination rate of thyroxine–I–131] Krebietke P. **Endokrinologie** 65(1):53–9, Feb 75 (Eng. Abstr.) **(Ger)**

[Re–examination of aging and the hypophyseal–thyroid system] Nakamura Y, et al. **Clin Endocrinol (Tokyo)** 23(9):917–22, Sep 75 **(Jpn)**

[Analysis of adenyl cyclase–cyclic AMP in the thyroid glands of normal individuals and patients with Basedow's disease (I). Autoregulation of the human thyroid] Takasu N, et al. **Clin Endocrinol (Tokyo)** 23(8):797–800, Aug 75 **(Jpn)**

[Studies of adenyl cyclase–cyclic AMP of the thyroid gland of the normal man and in Basedow's disease. (II). Differences in reactions of the thyroid gland to TSH and PGE 1 stimulation] Takasu N, et al. **Clin Endocrinol (Tokyo)** 23(9):913–6, Sep 75 **(Jpn)**

[Studies of thyroid glands of normal subjects and patients with Basedow's disease based on adenyl cyclase–cyclic AMP metabolism (III). Differences in reactions of the thyroid glands to TSH and PGE 1(2)] Takasu N, et al. **Clin Endocrinol (Tokyo)** 23(10):1039–41, Oct 75 **(Jpn)**

[Usefulness of TSH administration on increased iodine uptake by the thyroid gland in carcinoma] Więckowski B. **Nowotwory** 26(1):69–73, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

[Inhibition of thyroid cellular respiration after administration of some purine and indole derivatives] Lazăr C, et al. **Stud Cercet Endocrinol** 23(5):321–7, 1972 **(Rum)**

[Histochemiscal characteristics of lipids in different forms of goiter] Kasab'ian SS, et al. **Arkh Patol** 38(4):27–32, Apr 76 (Eng. Abstr.) **(Rus)**

[Synthesis of thyroglobulin in the polyribosome cell–free system of the thyroid gland] Atakhanova BA, et al. **Biokhimiia** 40(6):1168–74, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[The functional state of the thyroid gland following partial pancreatectomy] Sheianov GG, et al. **Biull Eksp Biol Med** 79(5):44–7, May 75 (Eng. Abstr.) **(Rus)**

[Criteria of the test of suppression of thyroid uptake of I131 by triiodothyronine] Aliiakparova ASh. **Probl Endokrinol (Mosk)** 21(4):13–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Organotropicity and the dynamics of the clearance of exogenous labelled TSH from the blood under conditions of stimulation and blockade of the thyrotropic function of the hypophysis] Tkacheva GA, et al. **Probl Endokrinol (Mosk)** 21(4):66–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Age and features of the functional activity of the thyroid gland in experimental hypocorticism] Valueva GV. **Probl Endokrinol (Mosk)** 22(1):59–64, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Pathogenesis of disorders of the thyroid gland function in pregnancy] Bobik IuI, et al. **Vopr Okhr Materin Det** 19(2):71–3, Feb 74 (Eng. Abstr.) **(Rus)**

[Structural changes of thyroglobulin in the rat thyroid gland during postnatal development (author's transl)] Knopp J, et al. **Bratisl Lek Listy** 65(1):108–12, Jan 76 (Eng. Abstr.) **(Slo)**

[Effect of environmental temperature on radioiodine uptake in the thyroid gland of rats during ontogenetic development (author's transl)] Sámel M. **Bratisl Lek Listy** 64(4):395–9, Oct 75 (Eng. Abstr.) **(Slo)**

[Effect of the thyroid in the development of intestinal hydroxylases] Castellanos Llorens JM. **Rev Iber Endocrinol** 23(135):275–87, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Secretion of growth hormone in hyperthyroidism] Hervás F, et al. **Rev Iber Endocrinol** 23(134):147–55, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Dynamics of growth hormone secretion in patients with primary hypothyroidism, before and after treatment with thyroideal hormones] Hervás F, et al. **Rev Iber Endocrinol** 23(135):263–73, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Stimulation test with synthetic thyrotropin releasing hormone (TRH) in the diagnosis of thyroid diseases (author's transl)] Pineda G, et al. **Rev Med Chil** 103(2):98–102, Feb 75 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

In–vitro cultivation of human cytomegalovirus in thyroid epithelial cells. Knowles WA. **Arch Virol** 50(1–2):119–24, 1976

PATHOLOGY

Drill biopsy of the thyroid gland. Ma MK, et al. **Aust NZ J Surg** 45(3):290–3, Aug 75

Nodular goitre in northern India : a clinicopathological profile. Prakash A, et al. **Aust NZ J Surg** 45(2):197–201, May 75

Histological structure of the thyroid gland in the newborn. With special reference to hypotrophy, hydrops fetalis and Cesarean section delivery. Larroche JC. **Biol Neonate** 28(1–2):118–24, 1976

Proceedings: Thyroid remnant size and its relationship to hypothyroidism after partial thyroidectomy. Tweedle DE, et al. **Br J Surg** 63(2):150, Feb 76

Ectopic thyroid tissue in the neck. Benign or malignant? Moses DC, et al. **Cancer** 38(1):361–5, Jul 76

Fine needle aspiration of the thyroid gland. Hasselström K, et al. **Dan Med Bull** 22(6):259–63, Sep 75

Histometry of lymphoid infiltrate in the thyroid of primary thyrotoxicosis patients. Relation of extent of thyroiditis to preoperative drug treatment and postoperative hypothyroidism. Young RJ, et al. **J Clin Pathol** 29(5):398–402, May 76

The thyroid gland in kwashiorkor: a pathologic study. Ejeckam GC, et al. **J Trop Pediatr** 21(6):298–300, Dec 75

Spontaneous development of autoimmune thyroiditis in neonatally thymectomized mice. Kojima A, et al. **Lab Invest** 34(6):550–7, Jun 76

Histopathology of some carcinomatous and pseudocarcinomatous aspects of the thyroid. Taşcă C, et al. **Morphol Embryol (Bucur)** 22(2):91–7, Apr–Jun 76 (Eng. Abstr.)

Thyroid C cells in children under some pathological conditions. Hostyn L. **Patol Pol** 27(1):45–8, 1976

Needle biopsy of the thyroid. Wang C, et al. **Surg Gynecol Obstet** 143(3):365–8, Sep 76

Pigmentation and dysfunction of Gunn rat thyroid: correlation between morphological and biochemical data. Gomba S, et al. **Virchows Archiv [Cell Pathol]** 20(1):41–54, 11 Feb 76

[Proceedings: Ultrastructural aspects of human thyroid cell in different pathological conditions (author's transl)] Ketelbant–Balasse P, et al. **Ann Endocrinol (Paris)** 36(6):373–4, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Effects of artificial atmospheric ionization on thyroid gland in albino rat (author's transl)] Olivereau JM, et al. **Ann Endocrinol (Paris)** 36(6):301–8, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[The extent of the swelling of the thyroid gland and analysis of anti–thyroid autoantibody among high–school students] Niimi T, et al. **Clin Endocrinol (Tokyo)** 23(8):805–7, Aug 75 **(Jpn)**

[State of the thyroid gland under hypokinetic conditions in rats preliminarily adapted to hypoxia] Barbashova ZI, et al. **Biull Eksp Biol Med** 81(6):653–5, Jun 76 (Eng. Abstr.) **(Rus)**

[Morphological changes of the thyroid gland in acute polychlorpinen poisoning] Grigor'eva NN. **Vrach Delo** (5):139–40, May 75 (Eng. Abstr.) **(Rus)**

[Morphology of the endocrine system in schizophrenia according to early autopsy findings (the hypophyseal–thyroid system)] Skoliarova NA. **Zh Nevropatol Psikhiatr** 75(7):1045–53, 1975 (Eng. Abstr.) **(Rus)**

[Diagnostic significance of the evidence of C cells in the thyroid gland] Hostýn L. **Cesk Patol** 11(4):193–8, Nov 75 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Pituitary–thyroid interrelationship in rats exposed to different environmental temperatures. Tal E, et al. **Acta Endocrinol (Kbh)** 83(1):99–104, Sep 76

Placento–thyroidal relationship in normal pregnancy. Kanazawa S, et al. **Acta Obstet Gynecol Scand** 55(3):201–5, 1976

Hormonal regulation of thermogenesis in goslings. Possible role of the thyroid gland. Poczopko P, et al. **Acta Physiol Pol** 26(3):241–8, May–Jun 75

A study on the hormonal regulation of the activity of 5'–nucleotidase and adenylpyrophosphatase in rat aortal walls. Kalitcin D, et al. **Agressologie** 16 Spec No B:61–4, 1975

Hyperpolarization of thyroid cells in vitro by thyrotropin and cyclic AMP. Batt R, et al. **Am J Physiol** 231(1):52–5, Jul 76

Thyroid function in a hibernator, Spermophilus tridecemlineatus. Hulbert AJ, et al. **Am J Physiol** 230(5):1211–6, May 76

Biochemical adaptations in skeletal muscle of trained thyroidectomized rats. Terjung RL, et al. **Am J Physiol** 230(5):1194–7, May 76

Thyroid activity in desert rodents: a mechanism for lowered metabolic rate. Yousef MK, et al. **Am J Physiol** 229(2):427–31, Aug 75

Effects of the thyroid state on cholesterol metabolism in the rat. Mathe D, et al. **Biochim Biophys Acta** 441(1):155–64, 20 Jul 76

Thyroid–pituitary response to cardiopulmonary bypass. Macdonald RG, et al. **Br J Anaesth** 48(3):225–30, Mar 76

Thyroid function in the fetus and newborn mammal. Nathanielsz PW. **Br Med Bull** 31(1):51–6, Jan 75

Effects of alterations in maternal thyroid metabolism on embryonic thyroid development in the chick. March BE, et al. **Can J Physiol Pharmacol** 54(03):249–53, Jun 76

Effect of halothane anesthesia on muscle, liver, thyroid, and adrenal–function tests in man. Johnstone RE, et al. **Clin Chem** 22(2):217–20, Feb 76

Variations in thyroid function and sleep in healthy young men. Johns MW, et al. **Clin Sci Mol Med** 49(6):629–32, Dec 75

A comparative study of avian and rat patterns in thyroid function–I. Intrathyroidal iodine metabolism. Astier H. **Comp Biochem Physiol [A]** 52(1):1–8, 1 Sep 75

A comparative study of avian and rat patterns in thyroid function–II. Plasma protein–bound iodine and thyroid hormone secretion. Astier H. **Comp Biochem Physiol [A]** 52(1):9–17, 1 Sep 75

Pituitary, adrenal and thyroid influences on osmoregulation in the euryhaline elasmobranch, Dasyatis sabina. de Vlaming VL, et al. **Comp Biochem Physiol [A]** 52(3):505–13, 1 Nov 75

The effect of exogenic thyroxine on activity of the thyroid gland, blood serum proteins and leukocytes in the common vole Microtus arvalis, Pallas. Dobrowolska A, et al. **Comp Biochem Physiol [A]** 53(4):323–6, 1976

The effect of thyroid hormones on the oxygen consumption of the liver tissue in the squamate reptiles. Wong KL, et al. **Comp Biochem Physiol [B]** 52(3):355–8, 15 Nov 75

Hypophysectomy and thyroid function. Howitz PF. **Dan Med Bull** 22(7):308–12, Dec 75

Influence of thyroid hormone on glycogen metabolism in rat liver. Takahashi T, et al. **Endocrinol Jpn** 22(3):187–94, Jun 75

Thyroid hormone regulation of extrathyroidal iodoproteins. Balsam A, et al. **Endocrinology** 98(2):476–81, Feb 76

Effect of thyroid status on spontaneous and induced surges of luteinizing hormone. Freeman ME, et al. **Endocrinology** 99(3):713–9, Sep 76

Inhibition of the response of mouse thyroid to tryrotropin induced by chronic triiodothyronine treatment. Gafni M, et al. **Endocrinology** 97(5):1256–62, Nov 75

Effect of acute exposure to cold on the activity of the hypothalamic–pituitary–thyroid system. Hefco E, et al. **Endocrinology** 97(5):1185–95, Nov 75

Effect of hypothalamic deafferentation on the secretion of thyrotropin during thyroid blockade and exposure to cold in the rat. Hefco E, et al. **Endocrinology** 97(5):1234–40, Nov 75

Thyroid state and brain monoamine metabolism. Jacoby JH, et al. **Endocrinology** 97(5):1332–5, Nov 75

Pituitary–thyroid axis in neonatal and adult rats: comparison of the sexes. Kieffer JD, et al. **Endocrinology** 98(2):295–304, Feb 76

Thyroid function and insulin secretion from the perfused pancreas in the rat. Lenzen S, et al. **Endocrinology** 99(1):125–9, Jul 76

Influence of histamine– and 5–hydroxytryptamine–containing thyroid mast cells on thyroid blood flow and permeability in the rat. Melander A, et al. **Endocrinology** 97(5):1130–7, Nov 75

Influence of reserpine on high calcium perfusion of thyro–parathyroid glands in dogs. Zileli MS, et al. **Endocrinology** 98(1):176–8, Jan 76

The effects of testosterone administered neonatally on the incorporation of 3H–leucine into protein by thyroid gland of rat: a neonatal priming. Dixit VP, et al. **Endokrinologie** 65(2):229–32, 1975

Pituitary cytology of radiothyroidectomised teleost Heteropneustes fossilis (Bloch.). Haider S. **Endokrinologie** 65(3):300–7, 1975

Effects of thyroxine and exercise on the glandular and plasma levels of corticosterone in the male rat. Craig BW, et al. **Experientia** 32(7):939–40, 1976

Influence of bovine TSH on plasma thyroxine levels and thyroid function in brook trout, Salvelinus fontinalis (Mitchill). Chan HH, et al. **Gen Comp Endocrinol** 28(4):461–72, Apr 76

Thyroidal influence on gastrocnemius and sartorius muscle growth in young white leghorn cockerels. King DB, et al. **Gen Comp Endocrinol** 29(4):473–9, Aug 76

Effect of prolactin on thyroid function in Japanese quail (Coturnix coturnix japonica). Wada M, et al. **Gen Comp Endocrinol** 27(1):28–33, Sep 75

Triiodothyronine withdrawal–a possible test for hypothalamic–pituitary–thyroid adequacy. de Vries HP, et al. **Horm Metab Res** 8(2):132–6, Mar 76

Effect of iodine upon the TRH induced release of TSH in euthyroid, hypothyroid and hyperthyroid individuals. Waldhäusl W, et al. **Horm Metab Res** 8(4):286–91, Jul 76

The influence of thyroid function on the diabetogenic action of triamcinolone in man. Glucose, insulin and growth hormone patterns after on oral glucose load. Zamrazil V, et al. **Horm Metab Res** 8(4):282–6, Jul 76

Interactions between the pituitary, thyroid and adrenal cortex during acute exposure to cold or to electric shocks in the rat. Jobin M, et al. **Horm Res** 6(4):199–212, 1975

Factors affecting the development of metabolic compartmentation in the brain. pp. 363–83. Patel AJ, et al.
In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m. (70 ref.)

Pituitary and thyroidal responses to thyrotropin releasing hormone (TRH). pp. 338–47. Shenkman L, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Factors affecting plasma lipoprotein concentration: influence of insulin, glucagon, catecholamine, and thyroid. pp. 44–8. Sailer S.
In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974. (21 ref.)

Emotion as reflected in patterns of endocrine integration. pp. 143–81. Mason JW.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975. (62 ref.)

Relationship of active avoidance learning to the pituitary–thyroid and pituitary–adrenocortical responses to cold exposure in the rat. pp. 105–8. Dupont A, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

The effect of oestradiol on pituitary–adrenal function in intact and thyroidectomized rats. pp. 203–6. Tallián F.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Endocrine functions of the nude mouse. pp. 221–6. Ohsawa N, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

Effect of aging on thyroid economy in man. Ingbar SH. **J Am Geriatr Soc** 24(2):49–53, Feb 76

Alpha–Hydroxylation of lignoceric and nervonic acids in the brain. Effects of altered thyroid function on postnatal development of the hydroxylase activity. Murad S, et al. **J Biol Chem** 251(17):5237–41, 10 Sep 76

Thyroid–stimulating immunoglobulins and the control of thyroid function. Clague R, et al.
J Clin Endocrinol Metab 43(3):550–6, Sep 76

The significance of partial suppressibility of serum thyroxine by triidothyronine administration in euthyroid man. Duick DS, et al. **J Clin Endocrinol Metab** 41(2):229–34, Aug 75

Pharmacodynamics of propylthiouracil in normal and hyperthyroid subjects after a single oral dose. McMurry JF Jr, et al. **J Clin Endocrinol Metab** 41(2):362–4, Aug 75

Lymphocyte transformation in response to human thyroid extract in patients with subacute thyroiditis. Wall JR, et al. **J Clin Endocrinol Metab** 43(3):587–90, Sep 76

Role of thyroid hormones in an abnormal grooming behavior in thyroidectomized cats and cats with pontile lesions. Randall W, et al. **J Comp Physiol Psychol** 90(3):231–43, Mar 76

Effect of thyroidectomy on the activity of alpha–glucosidases and acid hydrolases in the small intestine of rats during weaning. Kolkovský O, et al. **J Endocrinol** 66(1):31–6, Jul 75

Role of the thyroid gland in regulation of metabolic rate in an air–breathing siluroid fish, Heteropneustes fossilis (Bloch). Pandey BN, et al. **J Endocrinol** 69(3):421–5, Jun 76

Compensatory ovulation after unilateral ovariectomy in thyroidectomized rats. Peppler RD, et al. **J Endocrinol** 66(1):137–8, Jul 75

Synthesis of new cyclic nucleotides and their differential stimulatory effects on thyroid function in mice. Cehovic G, et al. **J Med Chem** 19(7):899–903, Jul 76

Effects of dietary protein and calcium levels on renal glucose–6–phosphatase activity of intact and thyroparathyroidectomized rats. Suzuki H, et al. **J Nutr** 105(10):1278–85, Oct 75

Experimental studies on the annual cycles of thyroid and adrenocortical functions in relation to the reproductive cycle of drakes. Assenmacher I, et al. **J Physiol (Paris)** 70(5):507–20, Dec 75

Semen characteristics in thyroidectomized stallions. Lowe JE, et al. **J Reprod Fertil [Suppl]** (23):81–6, Oct 75

Activity of the reticuloendothelial system following endocrine manipulation in rats. Bilder GE.
J Reticuloendothel Soc 19(1):11–7, Jan 76

Effect of thyroid status and cold stress on tyrosine hydroxylase activity in adrenal gland and brown adipose tissue. Zenker N, et al. **Life Sci** 18(2):183–8, 15 Jan 76

The thyroid in pregnancy. Burrow GN.
Med Clin North Am 59(5):1089–98, Sep 75 (27 ref.)

The hypothalamic–pituitary–thyroid axis. Carlson HE, et al. **Med Clin North Am** 59(5):1045–53, Sep 75 (32 ref.)

Thyroid function in the fetus and newborn. Fisher DA.
Med Clin North Am 59(5):1099–1107, Sep 75 (47 ref.)

Thyroid function in changing weather in a subtropical region. Rastogi GK, et al. **Metabolism** 25(8):903–8, Aug 76

Thyroid thermogenesis: minimal contribution of energy requirement for protein synthesis. Ismail–Beigi F, et al. **Mol Cell Endocrinol** 5(1–2):19–22, Jun–Jul 76

Effect of thyroidectomy on rhythmic gonadotropin release. Dunn JD, et al. **Proc Soc Exp Biol Med** 151(1):22–7, Jan 76

Influence of thyroid state on the specific binding of noradrenaline to a cardiac particulate fraction and on catecholamine–sensitive cardiac adenylate cyclase activity. Wollenberger A, et al.
Recent Adv Stud Cardiac Struct Metab 9:193–203, 1976

Effect of radio–thyroidectomy and thyroid hormone replacement therapy on cardiac protein kinase activity and ATP hydrolysis. Horwood DM, et al.
Res Commun Chem Pathol Pharmacol 12(4):751–64, Dec 75

Intrathyroidal amines in the regulation of thyroid activity. Melander A, et al. **Rev Physiol Biochem Pharmacol** 73:39–71, 1975 (167 ref.)

Neural properties of cultured human endocrine tumor cells of proposed neural crest origin. Tischler AS, et al.
Science 192(4242):902–4, 28 May 76

Remnant function after subtotal thyroidectomy for Graves' disease. Bradley EL 3d, et al. **South Med J** 68(10):1245–8, Oct 75

Effect of partial thyroidectomy, propylthiouracil or thyroxine on estrogen–induced intranuclear inclusions in mammotrophs of the Mongolian gerbil. Nickerson PA.
Tissue Cell 7(4):763–72, 1975

The influence of thyroidectomy and of triiodothyronine administration on epithelial cell proliferation in the jejunum of rat. Tutton PJ. **Virchows Archiv [Cell Pathol]** 20(2):139–42, 9 Mar 76

[Hypothalamic control of thyroid function (author's transl)] Höschl C, et al. **Cas Lek Cesk** 114(47):1449–52, 21 Nov 75 (Eng. Abstr.) **(Cze)**

[Thyroid–adrenal correlations at the end of pregnancy and soon after delivery] Colan M, et al. **Agressologie** 16(6):379–88, 1975 **(Fre)**

[Role of the thyroid and gonads in determination of the annual weight cycle of the European hamster (Cricetus cricetus)] Canguilhem B. **Arch Sci Physiol (Paris)** 28(3):321–32, 1974 **(Fre)**

[Influence of thyroidectomy on rat liver lipids in carbon tetrachloride poisoning] Chaibi A, et al.
Arch Sci Physiol (Paris) 28(1):55–66, 1974 (Eng. Abstr.) **(Fre)**

[Influence of hypothyroidism on the lacticodehydrogenase isoenzymes during the cerebral cortex maturation in the rat] Gali P. **Biomedicine** 22(1):62–9, Jan 75 (Eng. Abstr.) **(Fre)**

[Demonstration of a seasonal thyroid cycle in the male badger (Meles meles L) using iodine 131 fixation] Maurel D, et al. **C R Acad Sci [D] (Paris)** 281(23):1879–82, 15 Dec 75 (Eng. Abstr.) **(Fre)**

[Subcellular distribution of Mn2+ and its effects on the respiration of rat liver mitochondria in different thyroid states] Autissier N, et al. **C R Soc Biol (Paris)** 169(4):959–65, 1975 (Eng. Abstr.) **(Fre)**

[Effect of thyroidectomy on the growth of the adult rat and on weight recovery after fasting] Canguilhem B, et al.
C R Soc Biol (Paris) 169(3):680–4, 1975 (Eng. Abstr.) **(Fre)**

[Influence of the thyroid on the catabolism of androgens] Racadot A. **Lille Med** 20(8):721–6, Oct 75 **(Fre)**

[The budgerigar (Melopsittacus undulatus)—a suitable endocrinological model of the thyroid gland] Robiller F. **Anat Anz** 137(5):462–9, 1975 (Eng. Abstr.) **(Ger)**

[Diurnal rhythms of thyroid hormones in rooster chicks (Gallus domesticus). 1. Studies on the colloid epithelium portion, the radioiodine accumulation in the thyroid gland and the plasma radioiodide concentration] Krebietke P.
Endokrinologie 65(1):33–41, Feb 75 (Eng. Abstr.) **(Ger)**

[Effects of DDT and lindane on thyroid function in the rat] Seidler H, et al. **Nahrung** 20(4):399–406, 1976 (Eng. Abstr.) **(Ger)**

[Psychiatric and behavioral aspects of the thyroid axis] Avni J. **Harefuah** 89(11):521–4, 1 Dec 75 **(Heb)**

[Neonatal thyroid function. TSH, T3 and effective thyroxine ratio (ETR) in maternal blood, umbilical cord blood and the newborn on the 1st day of life] La Cauza C, et al.
Arch E Maragliano Patol Clin 30(1):1–11, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Evaluation of the functioning of the hypothalamus–hypophysis–thyroid gland axis in the light of present–day research possibilities] Gembicki M.
Endokrynol Pol 27(4):309–18, Jul–Aug 76 **(Pol)**

[Effect of thyroidectomy and thyroxine on cell proliferation in the anterior pituitary gland] Stepień H.
Endokrynol Pol 26(6):613–9, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Changes in the activity of the thyroid gland in polar foxes as a function of age and varying temperatures of the environment] Bieguszewski H, et al. **Pol Arch Weter** 17(4):649–58, 1975 **(Pol)**

[Effect of temperature on the activity of the thyroid gland in 8–week–old chickens] Jastrzębski M, et al.
Pol Arch Weter 18(1):87–95, 1975 (Eng. Abstr.) **(Pol)**

[Thyroid function in patients with laryngeal carcinoma treated surgically and with radiotherapy] Skonieczny J, et al. **Pol Tyg Lek** 30(42):1741–2, 20 Oct 75 (Eng. Abstr.) **(Pol)**

[Mechanisms of correlation of thyroid function with female gonadal function and their clinical significance] Jabłońska D, et al. **Wiad Lek** 28(14):1199–206, 15 Jul 75 (Eng. Abstr.) **(Pol)**

[Periodic variability in the function and weight of the thyroid gland and their interrelationships in animals with differing ecological adaptation] Akhmetov IZ. **Biol Nauki** (6):91–6, 1976 **(Rus)**

[Thyroid regeneration in dogs following its resection] Korolev RV. **Biull Eksp Biol Med** 81(1):64–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Influence of high temperature on the enzyme activity of the small intestine in thyroidectomized rats] Rakhimov K, et al. **Biull Eksp Biol Med** 80(9):31–3, Sep 75 (Eng. Abstr.) **(Rus)**

[Functional interrelationship between two systems: pituitary—adrenal, pituitary—thyroid gland] Iakovlev VA, et al. **Probl Endokrinol (Mosk)** 21(5):106–12, Sep–Oct 75 **(Rus)**

[The character of functional connections in the endocrine system of female white rats and their transformation with age] Ledovskaia SM, et al. **Probl Endokrinol (Mosk)** 22(3):103–7, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Autoregulation of the somatic function of the adenohypophysis in intact and thyroidectomized rats] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 21(4):57–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Concentration of nitrogenous substances in the blood in relation to the state of the thyroid] Dorzhiev KS.
Veterinariia (2):83–5, Feb 76 **(Rus)**

[Effect of Morshin mineral water from No. 6 spring on the functional state of the thyroid gland and on metabolism of radioactive iodine in the body of rats] Gorchakova GA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):450–3, Sep–Oct 75 **(Rus)**

[Development of the endocrine gland function and its modification through external interventions] Macho L.
Cesk Fysiol 24(5):403–19, 1975 **(Slo)**

[Thyrotropin hormone in newborn infants and young infants] Pérez Comas A. **Bol Asoc Med PR** 68(1):5–8, Jan 76 (Eng. Abstr.) **(Spa)**

[Response of thyrotropin (TSH) to the stimulation with hypothalamic releasing factor (TRF) in hypothyroid children] Avila E, et al. **Bol Med Hosp Infant Mex** 32(6):1021–31, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[The secretion of somatotropin, the axis hipophysis–thyroid, hypophysis–gonad, hypophysis–adrenal of the child in normal and pathological conditions (author's transl)] Bulgarelli R. **Folia Clin Int (Barc)** 25(5):301–14, May 75 **(Spa)**

[Pituitary and thyroid reserve test in the early diagnosis of hypothyroidism (author's transl)] Pineda G.
Rev Med Chil 103(2):103–9, Feb 75 (Eng. Abstr.) **(Spa)**

[Thyroid and gonads (author's transl)] Santelices R, et al.
Rev Med Chil 103(10):689–91, Oct 75 (Eng. Abstr.) **(Spa)**

[Functional state of the thyroid gland in healthy girls in the dynamics of the menstrual cycle] Biriuchenko LA.
Pediatr Akush Ginekol (4):50–3, Jul–Aug 75 **(Ukr)**

PHYSIOPATHOLOGY

Endocrine function in patients with suprasellar and hypothalamic tumours. Korsgaard O, et al.
Acta Endocrinol (Kbh) 83(1):1–8, Sep 76

Thyroid function in acromegaly before and after transsphenoidal hypophysectomy followed by cryoapplication. Lamberg BA, et al.
Acta Endocrinol (Kbh) 82(2):254–66, Jun 76

Endocrine function in patients with pituitary adenoma before and after hypophysectomy. Lindholm J, et al.
Acta Endocrinol (Kbh) 82(1):52–61, May 76

Thyroid activity coefficients in intractable angina pectoris. Kuch J, et al. **Acta Med Pol** 16(3):191–6, 1975

Thyroid dysfunction in uremia: evidence for thyroid and hypophyseal abnormalities. Ramirez G, et al.
Ann Intern Med 84(6):672–6, Jun 76

Klinefelter syndrome in a military population. Electroencephalographic, endocrine, and psychiatric status. Barker TE, et al. **Arch Gen Psychiatry** 33(5):607–10, May 76

Protirelin stimulation test and thyroid function during treatment of depression. Kirkegaard C, et al.
Arch Gen Psychiatry 32(9):1115–8, Sep 75

Sexual impotence: studies of the hypothalamic–pituitary–thyroid axis and the effect of oral thyrotropin–releasing factor. Benkert O, et al.
Arch Sex Behav 5(4):269–74, Jul 76

Studies of the thyroid function in children with Down's syndrome. Schmidt BJ, et al. **Arq Neuropsiquiatr** 33(1):21–4, Mar 75

Late effects of neonatal undernutrition and overnutrition on pituitary–thyroidal and gonadal function. Bakke JL, et al.
Biol Neonate 27(3–4):259–70, 1975

Maternal thyroid function, iodine deficiency and fetal development. Pharoah PO, et al. **Clin Endocrinol (Oxf)** 5(2):159–66, Mar 76

Hypertension and the thyroid gland. Barnes BO.
Clin Exp Pharmacol Physiol Suppl 2:167–70, 1975

Abnormal thyroid function in spontaneously hypertensive rats. Kojima A, et al. **Endocrinology** 98(5):1109–15, May 76

Variations in the response of the thyroid gland of the rat to different low–iodine diets: correlation with iodine content of diet. Riesco G, et al. **Endocrinology** 99(1):270–80, Jul 76

Obesity and thyroid function. 2. The effect of prolonged caloric restriction on Achilles tendon reflex values. Vondra K, et al. **Endokrinologie** 66(3):332–6, Dec 75

Thyroid function levels and thyrotropin responses to TRH administration in manic patients receiving lithium carbonate. Takahashi S, et al.
Folia Psychiatr Neurol Jpn 29(3):231–7, 1975

Studies on thyroid therapy and thyoid function in depressive patients. Yamaguchi T, et al.
Folia Psychiatr Neurol Jpn 29(3):221–30, 1975

Pituitary–thyroid axis reaction after myocardial infarction. Vanhaelst L, et al. **Horm Metab Res** 8(1):42–6, Jan 76

The influence of hyperthyroidism on the hypothalamo–hypophysial–thyroid axis. pp. 90–9.
McKenzie JM, et al.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973.

Studies on the regulation of pituitary–adrenal–thyroid and gonadal functions in rats with hypothalamic lesions. pp. 207–12. Halmy L.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Pituitary–thyroid regulation in euthyroid patients with Graves' disease previously treated with antithyroid drugs. Buerklin EM, et al. **J Clin Endocrinol Metab** 43(2):419–27, Aug 76

Klinefelter's syndrome: examination of thyroid function, and the TSH and PRL responses to thyrotropin–releasing hormone prior to and after testosterone administration. Burman KD, et al. **J Clin Endocrinol Metab** 41(06):1161–6, Dec 75

Familial partial target organ resistance to thyroid hormones. Elewaut A, et al. **J Clin Endocrinol Metab** 43(3):575–81, Sep 76

Thyroid-pituitary feedback during iodine repletion. Gershengorn MC, et al. **J Clin Endocrinol Metab** 43(3):601–5, Sep 76

A reconsideration of a thyroid-stimulating immunoglobulin as the cause of hyperthyroidism in Graves' disease. McKenzie JM, et al. **J Clin Endocrinol Metab** 42(4):778–81, Apr 76

Pituitary-thyroid function in trophoblastic disease. Miyai K, et al. **J Clin Endocrinol Metab** 42(2):254–9, Feb 76

The pituitary-thyroid axis in adults with phenylketonuria. Stewart RM, et al. **J Clin Endocrinol Metab** 42(6):1179–81, Jun 76

Acute effects of corticosteroids on thyroid activity in Graves' disease. Williams DE, et al. **J Clin Endocrinol Metab** 41(2):354–61, Aug 75

Marked suppression of thyroid function in rats with gram-negative septicemia. Kan MK, et al. **J Nucl Med** 17(02):104–7, Feb 76

Thyroid function in neonatal hypothyroidism. Dussault JH, et al. **J Pediatr** 89(4):541–4, Oct 76

Neonatal thyroid function in congenital hypothyroidism. Klein AH, et al. **J Pediatr** 89(4):545–9, Oct 76

Thyroid function after treatment of hyperthyroidism. **Lancet** 2(7935):590–1, 27 Sep 75 (12 ref.)

Letter: Down syndrome and thyroid function. **Lancet** 1(7955):362, 14 Feb 76

Letter: Down syndrome and thyroid function. Davis RH, et al. **Lancet** 2(7948):1308, 27 Dec 75

Letter: Thyroid function after treatment of hyperthyroidism. Fowler PB. **Lancet** 2(7942):989, 15 Nov 75

Acute changes in thyroid function in patients treated with radioactive iodine. Shafer RB, et al. **Lancet** 2(7936):635–7, 4 Oct 75

Thyroid function in the long-term follow-up of patients treated with iodine-131 for thyrotoxicosis. Toft AD, et al. **Lancet** 2(7935):576–8, 27 Sep 75

The thyroid and audition. Meyerhoff EL. **Laryngoscope** 86(4):483–9, Apr 76 (47 ref.)

Thyroid hormone and the kidney. Katz AI, et al. **Nephron** 15(3–5):223–49, 1975 (150 ref.)

The endocrinology of adult protein-calorie malnutrition. **Nutr Rev** 33(10):299–302, Oct 75 (14 ref.)

Endocrine alterations in acute alcohol withdrawal syndrome. I. Pituitary, thyroid and adrenocortical functions. Dobrzański T. **Pol Arch Med Wewn** 55(5):415–26, May 76

Thyroid function in chronic renal failure. Dandona P, et al. **Proc Eur Dial Transplant Assoc** 12:268–71, 1976

[The functional state of the thyroid gland in rats with uranium poisoning] Malenchenko AF, et al. **Eksp Med Morfol** 13(3):148–53, 1974 (Eng. Abstr.) **(Bul)**

[Iodine deficiency without goiter and water-electrolyte imbalance in man] Rivière R, et al. **Strahlentherapie [Sonderb]** 74:247–63, 1975 (Eng. Abstr.) **(Fre)**

[Glucose tolerance and thyroid function] Voss C, et al. **Acta Biol Med Ger** 33(4):515–20, 1974 **(Ger)**

[Regulatory circle of the thyroid gland in thyroiditis] Doepp M. **Med Welt** 27(8):341–6, 20 Feb 76 **(Ger)**

[The diencephalo-hypophyseo-thyroid axis in essential obesity. Note I. Pituitary TSH response to intravenous TRH] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1908–11, 30 Dec 75 **(Ita)**

[The diencephalo-hypophyseo-thyroid axis in essential obesity. Note II. Evaluation of the thyroid T4 (D) after stimulation with intravenous TRH] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1912–4, 30 Dec 75 **(Ita)**

[Thyroid function and hypothyroidism in children] Matteis FD. **Minerva Pediatr** 28(19):1228–9, 26 May 76 **(Ita)**

[8 cases of pituitary dwarfism associated with hypothyroidism, with special reference to GH and its relation to thyroid functions] Ishihara M, et al. **Clin Endocrinol (Tokyo)** 23(11):1113–7, Nov 75 **(Jpn)**

[Studies on hypophyseo-thyroid function in patients with chronic thyroiditis (author's transl)] Miyoshi M. **Folia Endocrinol Jpn** 51(4):193–202, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[Influences of deviations of thyroid functions on the effects of MAOI in rats—changes of 5-HT, 5-HIAA and norepinephrine contents and tyramine uptake by the brain and fluctuation of the rectal temperature] Kobayashi M, et al. **Folia Pharmacol Jpn** 72(1):63–70, 1976 (Eng. Abstr.) **(Jpn)**

[Evaluation of thyroid function with the use of free thyroxine coefficient (E.T.R.)] Szybiński Z, et al. **Endokrynol Pol** 26(3):283–8, May-Jun 75 (Eng. Abstr.) **(Pol)**

[Editorial: Myocardial infarct and thyroid hormones] Ceremużyński L. **Kardiol Pol** 18(6):493–5, 1975 **(Pol)**

[Involvement of the thyroid gland in clinical shock (anti-shock action of propylthiouracil)] Nana A, et al. **Rev Chir [Chir]** 24(3):235–8, May-Jun 75 (Eng. Abstr.) **(Rum)**

[Thyroid gland function in heatstroke] Molotkov OV, et al. **Biull Eksp Biol Med** 80(7):21–4, Jul 75 (Eng. Abstr.) **(Rus)**

[Thyroid gland function in duodenal ulcer] Monastyrev IuP. **Klin Med (Mosk)** 52(1):100–4, Jan 74 (Eng. Abstr.) **(Rus)**

[Certain indicators of functional state of the thyroid gland in patients with chronic hepatitis and liver cirrhosis] Shlimovich PB. **Klin Med (Mosk)** 53(2):45–9, Feb 75 (Eng. Abstr.) **(Rus)**

[Variants of morphofunctional disorders of the hypophysal-adrenal-thyroid gland system in acute radiation injury] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):26–30, Mar 76 (Eng. Abstr.) **(Rus)**

[Variants of morphofunctional disorders in the pituitary-adrenal-thyroid gland system in acute radiation injury] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):26–30, Mar 76 (Eng. Abstr.) **(Rus)**

[Functional and morphological basis of hormonal therapy in complex injuries] Mazalova MF. **Ortop Travmatol Protez** (1):60–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Dynamics of cholesterol-lipoprotein metabolism and hormonal shifts in the body in overstrain of the central nervous system] Fokin AS. **Patol Fiziol Eksp Ter** (2):52–7, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Role of oxidative-reductive processes in recovery of the functional activity of the thyroid gland in prolonged crush syndrome] Shepotinovskiĭ VI, et al. **Patol Fiziol Eksp Ter** (3):59–63, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Functional state of the thyroid gland in children with asthma] Chernik-Boliant AF. **Pediatriia** (10):38–9, Oct 75 **(Rus)**

[The effect of thyrotropic hormone on processes mediating the cytotoxicity of antithyroid antibodies] Falzullaeva ShF, et al. **Probl Endokrinol (Mosk)** 22(3):56–7, May-Jun 76 (Eng. Abstr.) **(Rus)**

[Functional state of the thyroid gland and thyrotropic activity of the hypophysis in patients with dyspituitarism of the puberto-adolescent period] Kaiusheva IV, et al. **Probl Endokrinol (Mosk)** 21(4):22–6, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Thyrotropic function of the hypophysis in endocrine diseases] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 22(2):10–3, 1976 (Eng. Abstr.) **(Rus)**

[Normalization of thyroid gland function in cows] Davydov VU. **Veterinariia** (7):89–91, Jul 76 **(Rus)**

[Functional activity of the thyroid gland in patients with cancer of the cervix uteri] Gabelov AA, et al. **Vopr Onkol** 22(3):20–4, 1976 (Eng. Abstr.) **(Rus)**

[Current laboratory methods of diagnosis of the functional state of the thyroid gland] Slavnov VN. **Vrach Delo** (3):36–9, Mar 74 (Eng. Abstr.) **(Rus)**

[Internal secretions especially related to dentistry] Subirana Pita JC. **An Esp Odontoestomatol** 34(6):481–510, Nov-Dec 75 **(Spa)**

RADIATION EFFECTS

Thyroid irradiation and carcinogenesis. Review with assessment of clinical implications. Foster RS Jr. **Am J Surg** 130(5):608–11, Nov 75 (36 ref.)

Head and neck irradiation: Its role in the production of thyroid gland abnormalities including cancer. Block MB. **Ariz Med** 33(1):36–7, Jan 76

Irradiation to the thyroid gland at cardiac catheterization and angiocardiography in children. Gustafsson M, et al. **Br J Radiol** 49(584):686–9, Aug 76

Long-term effects on external radiation on the pituitary and thyroid glands. Fuks Z, et al. **Cancer** 37(2 Suppl):1152–61, Feb 76 (66 ref.)

The radiation biology of the thyroid. Malone JF. **Curr Top Radiat Res** 10(4):263–368, Oct 75 (380 ref.)

Two mechanisms for hypothyroidism after 131I therapy. Malone JF, et al. **Lancet** 2(7976):73–5, 10 Jul 76

Effect of radiophosphorus on the developing endocrine glands of Swiss albino mice. I. A study on the thyroid gland. Dev PK, et al. **Strahlentherapie** 151(3):258–73, Mar 76

Electron-microscopic and isotopic evidence for a difference between the radiobiological effects of iodine-131 and iodine-125. Lewitus Z, et al. **Strahlentherapie [Sonderb]** 74:44–51, 1975

[Effect of ionizing radiation on chick embryo thyroid gland] Tulchiev S, et al. **Radiobiologiia** 15(3):398–401, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Irradiation of the thyroid gland: changes in its function] Genovés JL, et al. **Rev Iber Endocrinol** 23(133):19–44, Jan-Feb 76 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Thyroid lymphography: its usefullness for pre-operative localization of the parathyroids and perspectives for the study of secondary hyperparathyroidism in the uremic patient] Rossi R, et al. **J Urol Nephrol (Paris)** 82(4–5):369, Apr-May 76 **(Fre)**

[Thyroid phlebography and selective venous sampling for parathormone estimations in primary hyperparathyroidism (author's transl)] Günther R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):419–26, Nov 75 (Eng. Abstr.) **(Ger)**

[Clinical study of thyroid lymphography] Sunagawa Y, et al. **Jpn J Clin Radiol** 20(8):633–8, Aug 75 **(Jpn)**

[Use of intrathyroid lymphography in the differential diagnosis of tumors of the neck and upper mediastinum] Starzyk J, et al. **Pol Przegl Radiol** 39(6):703–7, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

SECRETION

Whisky: a new provacative test for calcitonin secretion. Dymling JF, et al. **Acta Endocrinol (Kbh)** 82(3):500–9, Jul 76

T4 and T3 release from the perfused canine thyroid isolated in situ. Laurberg P. **Acta Endocrinol (Kbh)** 83(1):105–13, Sep 76

A transient rise of hormone secretion: a response of the stimulated rat thyroid gland to small increments of iodide supply. Studer H, et al. **Acta Endocrinol (Kbh)** 81(3):507–15, Mar 76

Studies on the thyroid function of bursectomized cockerels in vivo. Pethes G, et al. **Acta Vet Acad Sci Hung** 25(2–3):135–43, 1975

Evidence for a secretion of thyroxine by isolated hog thyroid cells. Rousset B, et al. **Biochim Biophys Acta** 437(2):543–61, 21 Jul 76

Beta2-adrenergic stimulation of thyroid hormone secretion. Melander A, et al. **Endocrinology** 97(2):332–6, Aug 75

In vitro studies on the nature of vinblastine inhibition of thyroid secretion. Williams JA. **Endocrinology** 98(6):1351–8, Jun 76

Effects of excess iodide and other anions on thyroid hormone secretion in normal or hypophysectomized rats treated with graded doses of thyroid hormone. Yukimura Y, et al. **Endocrinology** 99(2):541–8, Aug 76

The variable refractivity of the protein or polypeptide hormone-producing cells showing a unique luminescence in the dark-field microscope. Takaya K. **Histochem J** 8(1):13–23, Jan 76

In vitro studies of calcitonin release in man. Selawry HP, et al. **Horm Metab Res** 7(5):423–7, Sep 75

An assessment of daily production and significance of thyroidal secretion of 3, 3', 5'-triiodothyronine (reverse T3) in man. Chopra IJ. **J Clin Invest** 58(1):32–40, Jul 76

Proceedings: Changes in plasma vasopressin concentration during cardio-pulmonary by-pass. Forsling ML, et al. **J Endocrinol** 69(3):6P–7P, Jun 76

Hypercalcitonemia in bronchogenic cancer. Evidence for thyroid origin of the hormone. Silva OL, et al. **JAMA** 234(2):183–5, 13 Oct 75

Evidence of calcitonin-induced inhibition of calcitonin secretion in porcine thyroid slices. Orme AL, et al. **Proc Soc Exp Biol Med** 151(1):110–2, Jan 76

Possible interaction of PGF2 alpha with hypothalamus-pituitary-thyroid axis in man. Valenti G, et al. **Prostaglandins** 11(2):303–17, Feb 76

[Bimodal secretion of thyroid hormones] Simon C, et al. **C R Acad Sci [D] (Paris)** 281(21):1613–5, 24 Nov 75 (Eng. Abstr.) **(Fre)**

[Pituitary-thyroid system in pregnant rats-TSH and thyroid hormones secretion during pregnancy] Kojima A, et al. **Clin Endocrinol (Tokyo)** 23(3):255–9, Mar 75 **(Jpn)**

SURGERY

[Thyroid gland surgery in elderly patients (author's transl)] Böhme PE, et al. **Munch Med Wochenschr** 118(1):17–20, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Injury of the superior laryngeal nerve in the course of thyroid gland surgery] Zwykielski G, et al. **Pol Przegl Chir** 48(3):421–3, Mar 76 **(Pol)**

[Total and ionized serum calcium levels following surgery on the thyroid gland] Gregor A, et al. **Pol Tyg Lek** 30(47):1947–52, 24 Nov 75 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Is a specialized stimulator cell required for the induction of allograft immunity? Lafferty KJ, et al. **Adv Exp Med Biol** 66:87–93, 1976

Fresh and cultured thyroid gland: survival and function after implantation. Raaf JH, et al. **Ann Surg** 183(2):146–56, Feb 76

In utero fetal lamb thyroidectomy and thyroid autograft transplantation. Belin RP, et al. **Endocr Res Commun** 3(2):133–44, 1976

Activation of transplant immunity: effect of donor leukocytes on thyroid allograft rejection. Talmage DW, et al. **Science** 191(4225):385–8, 30 Jan 76

ULTRASTRUCTURE

[Fine structure of venules and lymphatics of the dog thyroid gland] Luciano L, et al. **Acta Anat (Basel)** 92(1):101–9, 1975 (Eng. Abstr.)

Association between subcellular proliferating membranes and mitochondria in dog thyroid follicular cells induced by synthetic double-stranded RNA asministration. Fernandez-Pol JA. **Acta Endocrinol (Kbh)** 1(4):729–34, Apr 76

Ultrastructure of the giant cell in de Quervain's subacute thyroiditis. Satoh M. **Acta Pathol Jpn** 26(1):133–7, Jan 76

Nuclear size classes in the follicular epithelium of lymphoid thyroiditis. Nilsson G. **Acta Pathol Microbiol Scand [A]** 84(2):165–71, Mar 76

Ultrastructure of the thyroid in dwarf mice. Cordier AC, et al. **Am J Anat** 146(4):339–57, Aug 76

Appearance and disappearance of multiply ciliated follicular cells during development of the dog's thyroid gland. Nunez EA, et al. **Anat Rec** 184(2):133–45, Feb 76

Freeze-etching images of rabbit thyroid glands. Fujita H, et al. **Arch Histol Jpn** 38(4):275–84, Nov 75

Subcellular structure of bovine thyroid gland. A study on bovine thyroid membranes by buoyant-density-gradient centrifugation in a B-XIV zonal rotor. Hilderson HJ, et al. **Biochem J** 152(3):601–7, Dec 75

Observations on the freeze-cleaved ultrastructure of fenestrated endothelial cells in mouse thyroid. Nohr CW, et al. **Can J Zool** 54(1):101–5, Jan 76

New ultrastructural features on the cream hamster thyroid with special reference to the second kind of follicle.

Ketelbant-Balasse P, et al. **Cell Tissue Res** 166(1):49–63, 6 Feb 76

Effect of calcium depletion and subsequent repletion on parathyroids, parafollicular (C) cells and bone in the growing pig. Nunez EA, et al. **Cell Tissue Res** 168(3):373–84, 13 May 76

Temperature dependent changes in the thyroid gland of Mertensiella caucasica (Urodela, Amphibia). Schubert C, et al. **Cell Tissue Res** 165(4):467–75, 28 Jan 76

Freeze-fracture study of the junctional complexes of human and rabbit thyroid follicles. Thiele J, et al. **Cell Tissue Res** 168(2):133–40, 6 May 76

Multiple rough endoplasmic cisternae in 'C' cells. Wassermann D. **Cell Tissue Res** 170(1):89–94, 20 Jul 76

The influence of temperature on the thyroid gland of Chthonerpeton indistinctum (Gymnophiona, Amphibia). Welsch U, et al. **Cell Tissue Res** 165(4):455–65, 28 Jan 76

Morphological changes of thymus and the thyroid gland after postnatal extirpation of pineal body. Csaba G, et al. **Endocrinol Exp (Bratisl)** 9(1):59–67, Jan 75

Electron microscopic identification of adrenergic nerve endings on thyroid epithelial cells. Tice LW, et al. **Endocrinology** 97(5):1123–9, Nov 75

Gap junctions in thyroid epithelium of the rat. Tice LW, et al. **Endocrinology** 98(3):800–1, Mar 76

A correlative study of thyroid mast cells and thyroid function in the rat. Gaal JM, et al. **Endokrinologie** 63(3):331–6, 1974

Influence of synthetic TRF administration and hypothalamic stimulation upon the ultrastructure of thyrotrophs. pp. 195–201. Shiotani Y, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Changes in tight junctions of thyroid epithelium with changes in thyroid activity. Tice LW, et al. **J Cell Biol** 66(3):657–63, Sep 75

Association of mitochondria with desmosomes in the rat thyroid gland. Bernstein LH, et al. **J Ultrastruct Res** 53(1):87–92, Oct 75

A circumferential bundle of microfilaments associated with desmosomes near the apex of typical thyroid epithelial cells. Bernstein LH, et al. **J Ultrastruct Res** 56(3):326–30, Sep 76

Paracrystalloids from mitochondria in thyroid follicular cells. Normal occurrence and experimental induction. Nunez EA, et al. **Lab Invest** 33(4):352–62, Oct 75

The size distribution of thyroid follicles in single thyroid glands, a peculiar problem of particle size distribution in stereology. Barbier A, et al. **Morphol Embryol (Bucur)** 22(1):3–8, Jan-Mar 76

Primary C-cell hyperplasia within a nodule of thyroid isthmus. Beskid M. **Oncology** 32(1):11–20, 1975

Ultrastructural aspects of the thyroid in a case of human congenital goitre with cretinism. Ketelbant-Balasse P, et al. **Pathol Eur** 10(2):155–65, 1975

Electron microscopic observations in the thyroid gland of active bats. Velický J, et al. **Z Mikrosk Anat Forsch** 88(6):1069–92, 1974

[Light- and electron microscopy studies on the structure of heterochromatin in specifically activated thyroid gland cells] Pera F, et al. **Verh Anat Ges** 68:707–11, 1974 (Eng. Abstr.) **(Ger)**

[The occurence of Psammom bodies in the thyroid gland of aged rats] Mödlinger G. **Z Mikrosk Anat Forsch** 89(3):512–23, 1975 (Eng. Abstr.) **(Ger)**

THYROID GLAND, DESICCATED see under **THYROID HORMONES**

THYROID GLAND FUNCTION TESTS

Routine laboratory tests and the evaluation of the function of the thyroid gland in thyrotoxicosis. An ordinator assisted study on a Belgian population. Rubens R, et al. **Acta Clin Belg** 30(5):392–7, 1975

Editorial: Thyroid function tests--which one? Vagenakis AG, et al. **Ann Intern Med** 84(5):607–8, May 76

Editorial: Clinical application of triiodothyronine measurement. Reynolds C. **Can Med Assoc J** 115(4):296, 21 Aug 76

Evaluation of the normal range of values for uptake of radioactive iodine by the thyroid gland. Schober B, et al. **Can Med Assoc J** 115(1):29–35, 3 Jul 76

Letter: Thyroid-function tests in diphenylhydantoin-treated patients. Phillips PJ, et al. **Clin Chem** 22(4):551–2, Apr 76

Thyroid-function tests in diphenylhydantoin-treated patients. Stjernholm MR, et al. **Clin Chem** 21(10):1388–92, Sep 75

Comparison of serum free thyroxine indices and 'corrected' thyroxine tests. Liewendahl K, et al. **Clin Chim Acta** 64(3):263–72, 3 Nov 75

The impact of a new test on two District hospitals—a managerial analysis on the introduction of an improved assay. Challand GS, et al. **Health Bull (Edinb)** 34(3):141–4, May 76

Thyrotrophin-releasing hormone and thyroid function. pp. 477–88. Hall R.
In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.

Clinical usefulness of some tests of thyroid function. pp. 79–89. Clark F.
In: Hunter OB Jr, ed. Radioassay: clinical concepts. Skokie, Ill., Searle, 1974. QY 250 S9892r 1974. (52 ref.)

Random urine tests in the assessment of thyroid function. Finucane JF. **Ir J Med Sci** 145(6):195–200, Jun 76

A psychogeriatric assessment program. II. Clinical and laboratory findings. Hontela S, et al. **J Am Geriatr Soc** 23(11):519–24, Nov 75

Letter: Revised nomenclature for tests of thyroid hormones in serum. The committee of nomenclature of the American Thyroid Association. **J Clin Endocrinol Metab** 42(3):595–8, Mar 76

Studies on the thyroidal defect in an atypical form of Pendred's syndrome. Cave WT Jr, et al. **J Clin Endocrinol Metab** 41(3):590–9, Sep 75

Thyroid-stimulating immunoglobulins and the control of thyroid function. Clague R, et al. **J Clin Endocrinol Metab** 43(3):550–6, Sep 76

Measurements of free thyroxine: comparison of per cent of free thyroxine in diluted and undiluted sera. Uchimura H, et al. **J Clin Endocrinol Metab** 42(3):561–6, Mar 76

Therapy of hypothyroidism. Burrows S. **J Med Soc NJ** 72(12):1046, Dec 75

Thyroid uptake of 131I: further comparisons of capsules and liquid preparations. Green JP, et al. **J Nucl Med** 17(4):310–2, Apr 76

Value of routine serum-triiodothyronine estimation in diagnosis of thyrotoxicosis. Shalet SM, et al. **Lancet** 2(7943):1008–10, 22 Nov 75

Tests of thyroid function. Larsen PR.
Med Clin North Am 59(5):1063–74, Sep 75 (21 ref.)

Thyroid parameters in iodine deficiency. Edwards CB. **Med J Zambia** 9(5):131–5, Oct-Nov 75

The use of discriminatory values for thyroid uptake and free thyroxine index. Gimlette TM, et al. **Nucl Med (Stuttg)** 14(4):346–54, 15 Dec 75

Pressure pulse velocity measurement: an index of thyroid function. Marks J. **Ohio State Med J** 71(10):544–7, Aug 75

The use of the 99mTc-pertechnetate neck/thigh ratio as a test of thyroid function. Selby JB, et al. **Radiology** 114(1):107–10, Jan 75

Laboratory tests of thyroid function. Hamolsky MW.
RI Med J 58(12):497–9, 509, Dec 75

Screening thyroid function tests. Barlow JF. **SD J Med** 29(3):7, Mar 76

Modern laboratory diagnosis of thyroid disease. Menendez CE, et al. **Tex Med** 72(3):66–73, Mar 76

The effect of povidone-iodine on thyroid function in rats. Goldman M, et al. **Toxicol Appl Pharmacol** 35(2):341–6, Feb 76

[Assay of serum creatine phosphokinase in primary hypothyroidism. Comparison with other thyroid gland function tests in 32 cases. Value of isoenzyme studies] Soufir JC, et al. **Nouv Presse Med** 4(43):3055–9, 13 Dec 75 (Eng. Abstr.) **(Fre)**

[Application of correspondance factor analysis to function testing of the thyroid] Basse-Cathalinat B, et al. **Pathol Biol (Paris)** 23(1):21–8, Jan 75 (Eng. Abstr.) **(Fre)**

[Value of separation on ion exchange resins of plasma iodine fractions. Comparison with Werner's suppression test] Fragu P, et al. **Pathol Biol (Paris)** 23(1):51–6, Jan 75 (Eng. Abstr.) **(Fre)**

[Nuclear medicine thyroid diagnosis] Stoll W.
Kinderaerztl Prax 43(5):226–32, May 75 **(Ger)**

[Results of thyroid diagnosis following radiotherapy of malignant neck tumors] Ziegler R, et al.
Monatsschr Kinderheilkd 124(5):484–5, May 76 **(Ger)**

[Correlation studies of some thyroid function tests (author's transl)] Eberhagen D, et al. **Munch Med Wochenschr** 117(37):1457–60, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Thyroid function diagnosis after strumectomy (author's transl)] Correns HJ, et al. **Radiol Diagn (Berl)** 16(5):759–63, 1975 (Eng. Abstr.) **(Ger)**

[Critical evaluation and rational use of nuclear medical techniques in the diagnosis of thyroid function (author's transl)] Stiel W, et al. **Roentgenblaetter** 28(12):569–79, Dec 75 (Eng. Abstr.) **(Ger)**

[T-lymphocytes, the TRH-test and the suppression test in thyreostatically treated hyperthyroidism] Hackenberg K, et al. **Verh Dtsch Ges Inn Med** 81:1555–8, 1975 **(Ger)**

[Diagnostic staged program in thyroid diseases] Heberling HJ, et al. **Z Gesamte Inn Med** 30(22):738–41, 15 Nov 75 (Eng. Abstr.) **(Ger)**

[Current laboratory methods of diagnosis of the functional state of the thyroid gland] Slavnov VN. **Vrach Delo** (3):36–9, Mar 74 (Eng. Abstr.) **(Rus)**

[Importance of certain laboratory studies in the initial forms of disorders of the thyroid gland function] Volozhinskaia GIa. **Vrach Delo** (10):102–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Value of the thyrotropin (TSH) stimulation test by means of hypothalamic thyrotropin releasing hormone (TRH). I. In primary thyroid pathology with hypothalamo-hypophyseal integrity] Sánchez-Franco F, et al. **Rev Clin Esp** 139(2):137–43, 31 Oct 75 (Eng. Abstr.) **(Spa)**

[Current status of thyroid function diagnosis] Dymling JF, et al. **Lakartidningen** 73(21):2014–6, 19 May 76 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Triiodothyronine-induced thyrotoxicosis in ophthalmic Graves disease. Eliopoulos G, et al. **Arch Intern Med** 135(9):1242–4, Sep 75

INSTRUMENTATION

Use of the Anger scintillation camera for determining thyroid uptake. Verdon TA, et al. **J Nucl Med** 17(5):359–61, May 76

Improved measurement of the Achilles-tendon reflex. Tuck DL. **Med Biol Eng** 12(2):170–3, Mar 74

METHODS

A strategy for thyroid function tests. Britton KE, et al. **Br Med J** 3(5979):350–2, 9 Aug 75

Serum thyroxine estimation: clinical evaluation of a modified semiautomated method and its ability for differential diagnosis of thyroid diseases. Bednář J, et al. **Endokrinologie** 66(3):324–31, Dec 75

Correlation between a thyroxine (T4) suppression test and the TSH response to synthetic thyrotopin releasing hormone (TRH) in the diagnosis of hyperthyroidism. pp. 320–5. Karlberg BE.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Immunoassay of human TSH using dried blood samples. Larsen PR, et al. **J Clin Endocrinol Metab** 42(5):987–90, May 76

A comparison of in vitro methods in the assessment of thyroid status. Gimlette TM, et al. **J Nucl Biol Med** 19(3):155–61, Jul-Sep 75

Evaluation of three thyroid-function screening tests for detecting neonatal hypothyroidism. Walfish PG. **Lancet** 1(7971):1208–10, 5 Jun 76

[Thyroid diagnosis with reduced thyroxin-binding globulin] Anagnostaki L, et al. **Ugeskr Laeger** 138(2):93–6, 5 Jan 76 (Eng. Abstr.) **(Dan)**

[Letter: A new test of exploration of thyroid function] Ferret-Bouin P, et al. **Nouv Presse Med** 4(37):2665, 1 Nov 75 **(Fre)**

[Letter: Progress in thyroid function testing. Radiologic determination of thyroxine (T4-R)] Vallée G, et al. **Nouv Presse Med** 4(20):1509, 17 May 75 **(Fre)**

[Thyroid uptake at 20 minutes: evaluation as a test of thyroid function] Dussault JH, et al. **Union Med Can** 104(3):372–6, Mar 75 (Eng. Abstr.) **(Fre)**

[Modern diagnosis of thyroid gland function using nuclear medicine methods] Lange S, et al. **Med Klin** 71(11):469–73, 12 Mar 76 (18 ref.) **(Ger)**

[Traditional and new methods in the diagnosis of hyperthyroidism and autonomous adenoma] Börner W.
Med Welt 27(16):743–7, 16 Apr 76 **(Ger)**

[In vitro tests as a tool for examination of the thyroid function in childhood and newborn stage (author's transl)] Huenges R, et al. **Monatsschr Kinderheilkd** 123(10):687–91, Oct 75 (Eng. Abstr.) **(Ger)**

[The effect of contrast media containing iodine on selected in vitro thyroid test procedures (author's transl)] Bockslaff H, et al. **Munch Med Wochenschr** 118(1):1–6, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Comparative studies on the clinical accuracy of two 'competitive-binding-assays' for the determination of effective serum thyroxine] Zechmann W, et al.
Nucl Med (Stuttg) 14(2):119–24, 30 June 75 (Eng. Abstr.) **(Ger)**

[QKD-time in thyroid-gland function diagnosis] Gläser V, et al. **Z Gesamte Inn Med** 30(16):529–31, 15 Aug 75 **(Ger)**

[Experimental and clinical studies of resin T3 uptake ratio test using Trilute kit] Inoue K, et al.
Clin Endocrinol (Tokyo) 24(1):55–7, Jan 76 **(Jpn)**

[In vitro thyroid gland function tests (thyopac-3,4) and their clinical significance] Ishigami K, et al.
Clin Endocrinol (Tokyo) 23(4):385–90, Apr 75 **(Jpn)**

[Experimental and clinical studies of TSH kit phadebas] Ishihara M, et al. **Clin Endocrinol (Tokyo)** 23(12):1227–38, Dec 75 **(Jpn)**

[Thyroid gland function test by Contesorb-125] Kajita Y, et al. **Clin Endocrinol (Tokyo)** 23(3):279–82, Mar 75 **(Jpn)**

[Thyroid gland function test by T-4 RIA kit] Miyazaki T, et al. **Clin Endocrinol (Tokyo)** 23(12):1271–4, Dec 75 **(Jpn)**

[Usefulness of the ETR test in the assessment of thyroid function in children] Prochorow M, et al. **Pediatr Pol** 50(9):1131–6, Sep 75 (Eng. Abstr.) **(Pol)**

[Quantitative stereological evaluation of the processes of intrafollicular colloid accumulation and excretion in the thyroid gland] Bykov VL. **Biull Eksp Biol Med** 79(6):123–5, Jun 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of direct and indirect radioisotope determination of the indicators of free thyroxine in the blood serum in vitro] Zamoskovnaia VA, et al.
Med Radiol (Mosk) 20(10):8–13, Oct 75 (Eng. Abstr.) **(Rus)**

[Dependable in vitro ETR test (effective thyroxine ratio) in the study of thyroid gland function in pregnant women] Escobar Jiménez F, et al. **Rev Clin Esp** 140(4):315–20, 29 Feb 76 (Eng. Abstr.) **(Spa)**

STANDARDS

Statistical manipulation for normalization of data: in vitro thyroid function tests. Brown AM, et al. **South Med J** 69(6):768–72, Jun 76

[The effect of a single dose of perchlorate on the 24-hour I 131 uptake] Faure N, et al. **Union Med Can**

104(8):1208–10, Aug 75 **(Fre)**

VETERINARY

[Res-O-Mat-T4 test, Tes-O-Mat-ETR test and thyroxine iodine as indicators of thyroid function in cattle] Bischoff V, et al. **Schweiz Arch Tierheilkd** 117(10):533–45, Oct 75 (Eng. Abstr.) **(Ger)**

THYROID HORMONES

see related

THYROGLOBULIN

Letter: Culture of M. leprae with help of desiccated thyroid. Shukla RR, et al. **Lancet** 2(7981):363–4, 14 Aug 76

ADMINISTRATION & DOSAGE

[Simultaneous administration of oral contraceptives and thyroid hormones] Knuechel F. **Med Welt** 26(24):1204, 13 Jun 75 **(Ger)**

ADVERSE EFFECTS

Breast cancer. Relationship to thyroid supplements for hypothyroidism. Kapdi CC, et al. **JAMA** 236(10):1124–7, 6 Sep 76

Letter: Pituitary-thyroid function after cessation of prolonged thyroid suppression. Molitch ME, et al. **N Engl J Med** 295(4):231, 22 Jul 76

[Letter: Periodic paralysis due to abuse of thyroid extracts] Billé J. **Nouv Presse Med** 5(10):650, 6 Mar 76 **(Fre)**

[Transitional symptoms, adverse effects and incidents in hormone-substitution therapy] Kaiser W. **Z Gesamte Inn Med** 31(10):305–11, 15 May 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

Iodothyronine content of human thyroid albumin. Thomas-Morvan C. **Acta Endocrinol (Kbh)** 81(2):288–97, Feb 76

Thyroid hormones and thyrotropin in amniotic fluid. Chopra IJ, et al. **N Engl J Med** 293(15):740–3, 9 Oct 75

BIOSYNTHESIS

Biosynthesis of thyroid hormones. Lissitzky S. **Pharmacol Ther [B]** 2(1):219–46, 1976 (278 ref.)

[Metabolic disturbances of hormonogenesis and thyroid diseases] Felt V, et al. **Vnitr Lek** 21(11):1097–101, Nov 75 (Eng. Abstr.) **(Cze)**

[Metabolism of radioiodine in Xenopus thyroid during larval life and metamorphosis] Nataf B, et al. **C R Acad Sci [D] (Paris)** 280(5):657–60, 3 Feb 75 (Eng. Abstr.) **(Fre)**

[Stimulatory effect of prostaglandins on biosynthesis of thyroid hormones and plasma TSH levels in the rats (author's transl)] Tsuyusaki K, et al. **Folia Endocrinol Jpn** 51(3):181–92, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Phylogeny and ontogeny of the thyroid function] Yamamoto K. **J Physiol Soc Jpn** 36(8–9):405, 1 Sep 74 **(Jpn)**

[Thyroid fixation of the radioactive I-131 and biosynthesis of thyroid hormones in rats with hyperthermia] Polenaković B. **God Zb Med Fak Skopje** 20:43–7, 1974 (Eng. Abstr.) **(Ser)**

[Physiopathology of congenital errors of thyroid hormonogenesis] Niepomniszcze H. **Medicina (B Aires)** 36(1):51–60, Jan-Feb 76 **(Spa)**

BLOOD

On the interaction between thyroid hormones and the tranquillisers Librium® and Valium®. El-Hazmi MA. **Clin Chim Acta** 63(2):211–21, 1 Sep 75

Urinary catecholamine excretion and thyroid hormone blood level in the course of severe acute brain damage. Haider W, et al. **Eur J Intensive Care Med** 1(3):115–23, Nov 75

Letter: Revised nomenclature for tests of thyroid hormones in serum. The committee of nomenclature of the American Thyroid Association. **J Clin Endocrinol Metab** 42(3):595–8, Mar 76

Effect of halofenate on serum thyroid hormone determinations in vitro. Karch FE, et al. **J Clin Endocrinol Metab** 43(1):26–31, Jul 76

Changes in serum triiodothyronine, thyroxine, and thyrotropin during treatment with thyroxine in severe primary hypothyroidism. Maeda M, et al. **J Clin Endocrinol Metab** 43(1):10–7, Jul 76

Proceedings: Negative feedback action of thyroid hormone on the pituitary gland. Suzuki M, et al. **J Physiol Soc Jpn** 36(8–9):405, 1 Sep 74

Letter: Reduced active thyroid-hormone levels in acute illness. Burger A. **Lancet** 2(7976):97, 10 Jul 76

Effect of a single dose of dexamethasone on serum concentrations of thyroid hormones. Burr WA, et al. **Lancet** 2(7976):58–61, 10 Jul 76

Letter: Nutritional status and thyroid hormones. Olusi SO, et al. **Lancet** 2(7977):144–5, 17 Jul 76

Letter: Thyroid-hormone levels in protein-calorie malnutrition. Pain RW, et al. **Lancet** 1(7952):202, 24 Jan 76

Starvation-induced alterations of circulating thyroid hormone concentrations in man. Merimee TJ, et al. **Metabolism** 25(1):79–83, Jan 76

Effect of dexamethasone on thyroid hormone response to TSH. Vigneri R, et al. **Metabolism** 24(11):1209–13, Nov 75

Editorial: Thyroid hormones and respiratory-distress syndrome of the newborn. Chopra IJ. **N Engl J Med** 295(6):335–6, 5 Aug 76

Low thyroid hormones and respiratory-distress syndrome of the newborn. Studies on cord blood. Cuestas RA, et al. **N Engl J Med** 295(6):297–302, 5 Aug 76

Parathyroid hormone plasma level in untreated chronic renal failure and in hemodialyzed patients. Fuss M, et al. **Nephron** 17(2):144–54, 1976

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 2. Binding of thyroid hormones by serum proteins. Grandhi RR, et al. **Poult Sci** 54(2):493–9, Mar 75

[Bimodal secrction of thyroid hormones] Simon C, et al. **C R Acad Sci [D] (Paris)** 281(21):1613–5, 24 Nov 75 (Eng. Abstr.) **(Fre)**

[Diurnal profile curves of thyroid hormones in patients with primary hypothyreosis under thyroid hormone substitution therapy] Chen T, et al. **Med Welt** 26(52):2335–7, 26 Dec 75 **(Ger)**

[Thyroid hormones and thyrotropin in liver and kidney insufficiency] Biersack HJ, et al. **Nuklearmedizin** 15(3):135–7, Jun 76 (Eng. Abstr.) **(Ger)**

[Comparative studies on the behavior of thyroid hormone levels and TSH level in the TRH-test in the course of experimental and thyreostatically treated hyperthyroidism] Hartmann KP, et al. **Verh Dtsch Ges Inn Med** 81:1559–63, 1975 **(Ger)**

[Radioimmunologic determination and analysis for saturation of the thyroid hormones: comparison and use in the practical clinic] Troncone L, et al. **Quad Sclavo Diagn** 11(2):345–58, Jun 75 (Eng. Abstr.) **(Ita)**

METABOLISM

A new combined thyroid hormone index based on thyroxine, triiodothyronine and resin uptake. Demers LM, et al. **Am J Clin Pathol** 65(3):356–9, Mar 76

Ligandin and Z protein in binding of thyroid hormones by the liver. Lichter M, et al. **Am J Physiol** 230(4):1113–20, Apr 76

Thyroid hormone metabolism during liver regeneration in rats. Leffert HL, et al. **Endocrinology** 98(5):1241–7, May 76

Endocrine aspects of malignant hyperthermia in Pietrain pigs. pp. 357–8. Hall GM, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Effect of amiodarone on serum triiodothyronine, reverse triiodothyronine, thyroxin, and thyrotropin. A drug influencing peripheral metabolism of thyroid hormones. Burger A, et al. **J Clin Invest** 58(2):255–9, Aug 76

Effect of polychlorinated biphenyls (PCB) on metabolism of thyroid hormone in Wistar rats. Yamane T, et al. **Jpn J Hyg** 30(4):497–502, Oct 75

How specific are nuclear 'receptors' for thyroid hormones? Tata JR. **Nature** 257(5521):18–23, 4 Sep 75 (60 ref.)

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 1. Age related changes in thyroid hormone synthesis and circulating thyroid hormone levels. Grandhi RR, et al. **Poult Sci** 54(2):488–93, Mar 75

Metabolic disorder of hormone production and thyropathies. Felt V, et al. **Rev Czech Med** 22(2):61–7, 1976 (17 ref.)

[Deiodination in the kidney and thyroid function) Voss C, et al. **Endokrinologie** 66(3):313–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Deiodase activity in rats following an overdose of thyroid hormone] Voss C, et al. **Endokrinologie** 65(3):320–7, 1975 **(Ger)**

[Displacement of thyroid hormones from the link of serum proteins and heart mitochondria through drugs] Locher M, et al. **Verh Dtsch Ges Inn Med** 81:1564–7, 1975 **(Ger)**

[Use of radioisotope technics for determination of thyroid hormones. Research on blood and urine] Guarino A, et al. **Quad Sclavo Diagn** 11(2):272–93, Jun 75 (Eng. Abstr.) **(Ita)**

[Transport and receptors of thyroid hormones in organs and tissues] Brtko J, et al. **Cesk Farm** 24(10):441–4, Dec 75 **(Slo)**

PHARMACODYNAMICS

Isopropyldiiodothyronine and alpha-methylthyroxine: comparison of their in vitro and in vivo effects with those of thyroid hormones. Zenker N, et al. **Biochem Pharmacol** 25(15):1757–62, 1 Aug 76

Regulation of hepatic RNA synthesis by thyroid hormones. Paul HS, et al. **Cytobios** 11(43–44):135–48, 1974

Thyroid hormone regulation of extrathyroidal iodoproteins. Balsam A, et al. **Endocrinology** 98(2):476–81, Feb 76

Thyrotropin-releasing hormone and thyroid hormone interactions on thyrotropin secretion in the rat: lack of inhibiting effects of small doses of triiodo-L-thyronine in the hypothyroid rat. García MD, et al. **Endocrinology** 98(1):203–13, Jan 76

Thyroid function and insulin secretion from the perfused pancreas in the rat. Lenzen S, et al. **Endocrinology** 99(1):125–9, Jul 76

On the time course of thyrotropin suppression by high doses of thyroid hormones. Hüfner M, et al. **Experientia** 32(5):655–7, 15 May 76

The effect of dried thyroid gland pretreatment upon survival, formation of endogenous spleen colonies and differentiation of haemopoietic cell populations in x-irradiated mice. Pospíšil M, et al. **Folia Biol (Praha)** 21(4):270–9, 1975

The hormonal influences on red cell production: physiological significance and mechanism of action. pp. 99–117. Peschle C, et al. **In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.** (54 ref.)

The effect of thyroid hormone on bile salt-independent bile flow and Na+, K+ -ATPase activity in liver plasma membranes enriched in bile canaliculi. Layden TJ, et al. **J Clin Invest** 57(4):1009–18, Apr 76

Altered thyroidal responsivity to thyrotropin induced by circulating thyroid hormones. A 'short-loop' regulatory mechanism? Yu S, et al. **J Clin Invest** 57(3):745–55, Mar 76

Recovery of pituitary thyrotropic function after withdrawal of prolonged thyroid-suppression therapy. Vagenakis AG, et al. **N Engl J Med** 293(14):681–4, 2 Oct 75

How drugs act. 18. Drugs and the thyroid gland. Smith SE. **Nurs Times** 71(43):1708–9, 23 Oct 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 4. The influence of exogenous thyroid hormones on amino acid uptake by plasma and tissues. Grandhi RR, et al. **Poult Sci** 54(2):503–9, Mar 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 5. Effects of exogenous thyroid hormones on amino acid uptake by eggs. Grandhi RR, et al. **Poult Sci** 54(2):510–3, Mar 75

Thyroid metabolism in the recessive sex-linked dwarf female chicken. 3. The influence of exogenous thyroid hormones in glycogen metabolism. Grandhi RR, et al. **Poult Sci** 54(2):499–502, Mar 75

Nonsuppressible insulin-like activity and thyroid hormones: major pituitary-dependent sulfation factors for chick embryo cartilage. Froesch ER, et al. **Proc Natl Acad Sci USA** 73(8):2904–8, Aug 76

Prolactin and growth hormone synthesis: effects of perphenazine, alpha-methyltyrosine and estrogen in different thyroid states. Augustine EC, et al. **Proc Soc Exp Biol Med** 150(3):551–6, Dec 75

Thyroid hormones: comparative structural requirements for activity in vivo and for binding to rat liver nuclei. Jorgensen EC, et al. **Proc West Pharmacol Soc** 18:389–92, 1975

Effect of radio-thyroidectomy and thyroid hormone replacement therapy on cardiac protein kinase activity and ATP hydrolysis. Horwood DM, et al. **Res Commun Chem Pathol Pharmacol** 12(4):751–64, Dec 75

Influence of thyroid hormone on norepinephrine metabolism in rat brain during maturation. Schwark WS, et al. **Res Commun Chem Pathol Pharmacol** 13(4):673–83, Apr 76

[The effect of thyreoidal hormones on blood circulation in rats: a comparison of effectiveness of different drugs, doses, and methods of administration] Kapitola J, et al. **Cas Lek Cesk** 114(27):841–2, 4 Jul 75 (Eng. Abstr.) **(Cze)**

[Effect of drugs on thyroid vein endothelium] Kobayashi S. **Yonago Acta Med** 17(3):179–84, Dec 73 (Eng. Abstr.) **(Ger)**

[In-vitro stimulation of mitochondrial RNA synthesis in the performance of thyroid hormones] Barletta A, et al. **Boll Soc Ital Biol Sper** 51(21):1490–6, 15 Nov 75 **(Ita)**

[The effect of thyroid hormones and thyrostatic preparations on blood glycoprotein metabolism] Kuz'mak NI. **Probl Endokrinol (Mosk)** 21(5):81–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of thyroid hormones on the content of glycoprotein fractions and their carbohydrate-containing components in rat blood serum] Kuz'mak NI. **Vopr Med Khim** 21(5):469–76, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Placento-thyroidal relationship in normal pregnancy. Kanazawa S, et al. **Acta Obstet Gynecol Scand** 55(3):201–5, 1976

Regulation of mitochondrial protein turnover by thyroid hormone(s). Rajwade MS, et al. **Biochem J** 29(2):379–87, Nov 74

Thyroid function in protein-energy malnutrition. Van der Westhuysen JM. **Cent Afr J Med** 22(4):68–71, Apr 76

Compensatory hypertrophy in radiothyroidectomized dwarf rats. Nagy I, et al. **Endokrinologie** 65(3):340–7, 1975

Hormonal factors regulating brain development. pp. 206–13. Timiras PS, et al. **In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.**

Modulation by thyroid hormone of catecholamine binding sites and of adenylate cyclase activity in heart muscle. pp. 107–27. Will-Shahab L, et al. **In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.**

Thyrotropin-induced hyperthyroidism caused by selective pituitary resistance to thyroid hormone. A new syndrome of 'inappropriate secretion of TSH'. Gershengorn MC, et al. **J Clin Invest** 56(3):633–42, Sep 75

Thyroid hormone action on the effect of prolactin. Gona O, et al. **J Endocrinol** 68(02):349–50, Feb 76

The peripheral action of the thyroid hormones. Oppenheimer JH, et al. **Med Clin North Am** 59(5):1055–61, Sep 75 (35 ref.)
Regulation of degradation of thyrotropin releasing hormone by thyroid hormones. Bauer K. **Nature** 259(5544):591–3, 19 Feb 76
Thyroid hormone and the kidney. Katz AI, et al. **Nephron** 15(3–5):223–49, 1975 (150 ref.)
Endocrine studies of the untreated progeny of thyroidectomized rats. Bakke JL, et al. **Pediatr Res** 9(9):742–8, Sep 75
[Proceedings: Role of active transport of sodium in the thermogenic action of thyroid hormone] Asano Y. **J Physiol Soc Jpn** 36(8–9):355, 1 Sep 74 **(Jpn)**
[Proceedings: Role of thyroid hormone in cold adaptation] Honma K, et al. **J Physiol Soc Jpn** 36(8–9):397, 1 Sep 74 **(Jpn)**
[The thermoregulatory role of the thyroid hormones of rats acclimatized to cold] Sobolev VI. **Fiziol Zh SSSR** 62(5):745–9, May 76 **(Rus)**

SECRETION

Thyroid function in a hibernator, Spermophilus tridecemlineatus. Hulbert AJ, et al. **Am J Physiol** 230(5):1211–6, May 76
The role of the pentose phosphate shunt in thyrotropin-induced thyroid hormone secretion: in vivo and vitro studies with 6-aminonicotinamide in mouse thyroids. Hashizume K, et al. **Endocrinology** 97(4):962–8, Oct 75
Beta2-adrenergic stimulation of thyroid hormone secretion. Melander A, et al. **Endocrinology** 97(2):332–6, Aug 75
Studies on the mechanism of action of cold in producing an increase of thyroid hormone secretion. pp. 214–20. Yamada T, et al. **In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.**
Proceedings: Changes in plasma vasopressin concentration during cardio-pulmonary by-pass. Forsling ML, et al. **J Endocrinol** 69(3):6P–7P, Jun 76
Proceedings: A mathematical model of thyroid hormone regulation. Saratchandran P, et al. **J Endocrinol** 68(3):20P–21P, Mar 76
[Secretory mechanism of thyroid hormones. (II) NADPH dependency and cyclic AMP] Hashizume K, et al. **Clin Endocrinol (Tokyo)** 24(2):135–9, 1976 **(Jpn)**
[Editorial: Myocardial infarct and thyroid hormones] Ceremużyński L. **Kardiol Pol** 18(6):493–5, 1975 **(Pol)**
[The role of the posterior hypothalamic nucleus in thyroid hormone secretion during defensive conditioned reflex activity] Amiragova MG, et al. **Fiziol Zh SSSR** 62(5):658–65, May 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of thyroid extract on luteal phase deficiency. Naficy H, et al. **Acta Med Iran** 18(1–2):55–60, 1975
The effect of thyroid extract on luteal phase deficiency. Naficy H, et al. **Acta Med Iran** 18(1–2):55–60, 1975
Endocrine effects on peripheral circulation in rats: effect of suppression of thyroid gland function and administration of dried thyroid gland. Kapitola J, et al. **Acta Univ Carol [Med] (Praha)** 20(7–8):483–95, 1974
Studies on thyroid therapy and thyoid function in depressive patients. Yamaguchi T, et al. **Folia Psychiatr Neurol Jpn** 29(3):221–30, 1975
Thyroid–adrenocortical relationships in the safe treatment of arthritis, allergy, and skin disorders with prednisone. Barnes BO. **J Am Geriatr Soc** 23(12):548–50, Dec 75
Nerve regeneration and thyroid hormone treatment. McQuarrie IG. **J Neurol Sci** 26(4):499–502, Dec 75
Hypothyroidism and pityriasis rubra pilaris. Response to thyroid hormone. Tunnessen WW Jr, et al. **J Pediatr** 88(3):456–8, Mar 76
Hormone treatment of breast cancer. Segaloff A. **JAMA** 234(11):1175–7, 15 Dec 75
Thyroid hormone therapy. Refetoff S. **Med Clin North Am** 59(5):1147–62, Sep 75 (51 ref.)
Thyroid hormone in the treatment of depression. Slusher N. **South Med J** 68(8):1035–6, Aug 75 (11 ref.)
[Restitution of the thyrotropic function in goiter patients after discontinuing a long-term suppression therapy with thyroid hormones] Hüfner M, et al. **Klin Wochenschr** 54(11):535–8, 1 Jun 76 (Eng. Abstr.) **(Ger)**
[Use of dextrorotatory thyroid hormones for speeding up weight reduction in obesity] Borkenstein J, et al. **Wien Med Wochenschr** 126(7):81–3, 13 Feb 76 **(Ger)**
[Replacement therapy of Sheehan's syndrome with synthetic ACTH and thyroid hormones—a case report] Fujita K, et al. **Clin Endocrinol (Tokyo)** 24(2):157–63, 1976 **(Jpn)**
[Hormonal stimulation of the reparative process in the skin or fats with vitamin A deficiency] Khomullo GV, et al. **Arkh Anat Gistol Embriol** 70(1):62–6, Jan 76 (Eng. Abstr.) **(Rus)**
[Functional and morphological basis of hormonal therapy in complex injuries] Mazalova MF. **Ortop Travmatol Protez** (1):60–4, Jan 76 (Eng. Abstr.) **(Rus)**
[Iodine-containing thyroid hormones in the treatment of thyroid diseases] Kliachko VR. **Sov Med** (9):44–52, Sept 75 (Eng. Abstr.) **(Rus)**
[Treatment of certain forms of goiter with thyroid hormones] Parashchak AP, et al. **Vrach Delo** (11):91–4, Nov 75 (Eng. Abstr.) **(Rus)**
[Mental development in the child with primary hypothyroidism during treatment with thyroid hormones] Doneva V, et al. **God Zb Med Fak Skopje** 21:223–33, 1975 (Eng. Abstr.) **(Ser)**
[Dynamics of growth hormone secretion in patients with primary hypothyroidism, before and after treatment with thyroideal hormones] Hervás F, et al. **Rev Iber Endocrinol** 23(135):263–73, May–Jun 76 (Eng. Abstr.) **(Spa)**

THYROID NEOPLASMS

Malignant teratoma in the adult thyroid gland. O'Higgins N, et al. **Br J Clin Pract** 29(9):237–8, Sep 75
Multiple adenomas of the thyroid occuring 20 years after successful radiotherapy for neuroblastoma in the cervical lymph-nodes. McKenzie CG, et al. **Br J Radiol** 48(576):1028–31, Dec 75
The aetiology and diagnosis of malignant tumours of the thyroid gland. Wade JS. **Br J Surg** 62(10):760–4, Oct 75
Prognosis in thyroid carcinoma. Franssila KO. **Cancer** 36(3):1138–46, Sep 75
Thyroid cancer: a study of 573 thyroid tumors and 161 autopsy cases observed over a thirty-year period. Heitz P, et al. **Cancer** 37(5):2329–37, May 76
Nonchromaffin paraganglioma (chemodectoma) of thyroid region. Kay S, et al. **Cancer** 36(2):582–5, Aug 75
Thyroid nodules and cancer. Esselstyn CB Jr. **Cleve Clin Q** 42(2):157–61, Summer 75
Studies on a cell line from a functional rat thyroid tumor in continuous culture. Caviedes R, et al. **Endocrinology** 99(2):549–54, Aug 76
The syndrome of medullary carcinoma of the thyroid gland. pp. 151–62. Hill CS Jr. **In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.** (53 ref.)
'Carcinoma thyroid'. Sachdeva HS, et al. **Indian J Cancer** 11(4):375–81, Dec 74
Management of thyroid neoplasms. Caleel GT. **J Am Osteopath Assoc** 75(10):896–908, Jun 76
Medullary thyroid carcinoma. Raynor AC, et al. **J Surg Oncol** 7(6):435–45, 1975
Intrathyroidal parathyroid adenoma or hyperplasia. An occasionally overlooked cause of surgical failure in primary hyperparathyroidism. Spiegel AM, et al. **JAMA** 234(10):1029–33, 8 Dec 75
The thyroid in pregnancy. Burrow GN. **Med Clin North Am** 59(5):1089–98, Sep 75 (27 ref.)
Thyroid carcinoma. DeGroot LJ. **Med Clin North Am** 59(5):1233–46, Sep 75 (30 ref.)
Recent developments in radiation-induced carcinoma of the thyroid. Kaplan EL. **Surg Clin North Am** 56(1):199–205, FEB 76
Surgery and thyroid carcinoma. Scipione CR. **Trans Pa Acad Ophthalmol Otolaryngol** 29(1):59–62, Spring 76
[Metastases of cancer of the thyroid body (apropos of 132 cases)] Tubiana M. **Ann Endocrinol (Paris)** 35(4):487–8, Jul–Aug 74 **(Fre)**
[Oncocytes and oncocytomas. Histoenzymology, ultrastructure and description of the mitochondrial DNA] Micheau C, et al. **Arch Anat Pathol (Paris)** 23(2):123–32, Jun 75 (Eng. Abstr.) **(Fre)**
[Cancer of the thyroid gland. Conclusions] Andre P. **J Fr Otorhinolaryngol** 23(9):804–5, Nov 74 **(Fre)**
[Cancer of the thyroid gland. Anaplastic cancers] Andre P. **J Fr Otorhinolaryngol** 23(9):784, 787–8, Nov 74 **(Fre)**
[Cancer of the thyroid gland. Hot nodule] DeJean Y. **J Fr Otorhinolaryngol** 23(9):779–80, Nov 74 **(Fre)**
[Cancer of the thyroid gland. Cold nodule] Gandon J. **J Fr Otorhinolaryngol** 23(9):777–9, Nov 74 **(Fre)**
[Cancer of the thyroid gland. Adenogenic forms] Guerrier B. **J Fr Otorhinolaryngol** 23(9):780, 783–4, Nov 74 **(Fre)**
[Cancer of the thyroid gland. Special cases] Guerrier Y. **J Fr Otorhinolaryngol** 23(9):788, 791, Nov 74 **(Fre)**
[2 cases of Herrenschmidt's cancer] Linquette M, et al. **Lille Med** 20(8):715–20, Oct 75 **(Fre)**
[Letter: Thyroid localization of Hodgkin's disease] Reiffers J, et al. **Nouv Presse Med** 5(25):1590, 19 Jun 76 **(Fre)**
[Editorial: An increase of thyroid tumors ahead?] Modan B. **Harefuah** 88(11):541, 1 Jun 75 **(Heb)**
[Neurofibroma of the thyroid (report of a case)] Capelli A, et al. **Arch Chir Torac Cardiovasc** 32(1–2):23–7, Jan–Feb 75 (Eng. Abstr.) **(Ita)**
[A case of thyroid metastasis from hypernephroma (author's transl)] Vaglini M, et al. **Tumori** 61(5):487–90, Sep–Oct 75 (Eng. Abstr.) **(Ita)**
[Stridor and hemoptysis: thyroid cancer metastasizing to the trachea] Tokoro A, et al. **Jpn J Clin Med** Spec No:854–5, 1280–1, 10 Apr 75 **(Jpn)**
[Angiosarcoma of the thyroid gland] Tsukerman IM, et al. **Klin Khir** (12):63–4, Dec 75 **(Rus)**
[2 cases of Sipple's syndrome] Mel'nichesnko GA, et al. **Probl Endokrinol (Mosk)** 21(4):40–2, Jul–Aug 75 **(Rus)**
[Diagnostic and therapeutical-tactical errors in thyroid cancer] Demidov VP, et al. **Sov Med** (9):84–7, Sept 75 **(Rus)**
[Reticulosarcoma of the thyroid gland] Gracheva NI, et al. **Vestn Khir** 116(3):116, Mar 76 **(Rus)**
[Teratoma of the thyroid gland in newborn infant] Stepanov EA, et al. **Vestn Khir** 115(12):69, Dec 75 **(Rus)**

ANALYSIS

Isolation of calcitonin from rat thyroid medullary carcinoma. Byfield PG, et al. **FEBS Lett** 65(2):238–41, 1 Jun 76
Iodoamino acid content and distribution in normal and abnormal human thyroids. Volpert EM, et al. **J Clin Endocrinol Metab** 41(3):446–52, Sep 75
Characterization of amyloid fibril proteins from medullary carcinoma of the thyroid. Sletten K, et al. **J Exp Med** 143(4):993–8, 1 Apr 76
DNA measurements on cell nuclei of normal, proliferating and neoplastic thyroid tissues in rats. Christov K, et al. **Neoplasma** 22(3):285–94, 1975
Amyloid of medullary carcinoma of the thyroid; partial characterization. Westermark P. **Ups J Med Sci** 80(2):88–92, 1975
[Morphology and histochemistry of medullary thyroid carcinomas (author's transl)] Katenkamp D, et al. **Zentralbl Allg Pathol** 118(6):519–32, 1974 (Eng. Abstr.) **(Ger)**

BLOOD

Amyloid-related serum component (SAA)—studies in acute infections, medullary thyroid carcinoma, and postsurgery. Gorevic PD, et al. **Clin Immunol Immunopathol** 6(1):83–93, Jul 76
Letter: 'Polyphosphate bone scans, 32phosphorus, and adenocarcinoma of the thyroid'. Denardo GL. **J Nucl Med** 16(10):963–4, Oct 75
[Heterogeneity of human calcitonin] Moukhtar MS, et al. **C R Acad Sci [D] (Paris)** 280(9):1127–30, 3 Mar 75 (Eng. Abstr.) **(Fre)**
[Proof of the absence of prostaglandin secretion by a medullary carcinoma of the thyroid with functional diarrhea] Ménagé JJ, et al. **Nouv Presse Med** 4(40):2862–4, 22 Nov 75 (Eng. Abstr.) **(Fre)**
[Calcitonin determination as a possibility for the evaluation of surgical result in medullary thyroid carcinoma (C-cell carcinoma)] Horn J, et al. **Langenbecks Arch Chir Suppl**:231–4, 1975 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Ethylene thiourea–a study of possible teratogenicity and thyroid carcinogenicity. Smith D. **J Soc Occup Med** 26(3):92–4, Jul 76
[Development of C cells of the thyroid gland of the rat under an antithyroidian treatment inducing gamma tumors] Stoll R, et al. **C R Soc Biol (Paris)** 169(6):1466–9, 1975 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Primary malignant tumours of the thyroid: the relationship between histological classification and clinical behaviour. Beaugié JM, et al. **Br J Surg** 63(3):173–81, Mar 76
[Cancer of the thyroid gland. Introduction] Guerrier Y. **J Fr Otorhinolaryngol** 23(9):773–4, Nov 74 **(Fre)**
[Editorial: Classification of thyroid gland tumors] Hedinger C. **Schweiz Med Wochenschr** 105(32):997–1000, 9 Aug 75 **(Ger)**
[Classification of thyroid gland tumors in accordance with 1974 WHO nomenclature. Histological followup examination of 327 malignant thyroid gland tumors] Neracher H, et al. **Schweiz Med Wochenschr** 105(33):1052–6, 16 Aug 75 **(Ger)**
[Classification of thyroid gland tumors in accordance with 1974 WHO nomenclature. Histological follow-up examination of 327 malignant thyroid gland tumors] Neracher H, et al. **Schweiz Med Wochenschr** 105(32):1000–6 contd, 9 Aug 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Report of a case of intractable paraneoplastic diarrhea remarkably improved by an association of diphenoxylate and loperamide. Bleiberg H, et al. **Acta Gastroenterol Belg** 38(1–2):77–8, Jan–Feb 75
Adrenal medullary disease in multiple endocrine neoplasia, type 2: pheochromocytoma and its precursors. Carney JA, et al. **Am J Clin Pathol** 66(2):279–90, Aug 76
Medullary carcinoma of thyroid gland in a girl aged 10 years. Dent CE, et al. **Arch Dis Child** 51(3):223–6, Mar 76
Parathyroid adenoma and nonmedullary thyroid carcinoma. LiVolsi VA, et al. **Cancer** 38(3):1391–3, Sep 76
Teratoma of the neck in relation to a thyroglossal cyst. Talekar MS, et al. **Indian J Cancer** 12(4):449–51, Dec 75
Preoperative diagnosis of occult parathyroid hyperplasia by calcium infusion in patients with multiple endocrine neoplasia, type 2a. Heath H 3d, et al. **J Clin Endocrinol Metab** 43(2):428–35, Aug 76
Thyrotoxicosis secondary to involvement of the thyroid with malignant lymphoma. Shimaoka K, et al. **J Clin Endocrinol Metab** 43(1):64–8, Jul 76
Papillary thyroid carcinoma in a toxic adenoma. Lamberg BA, et al. **Nuklearmedizin** 15(3):138–41, Jun 76
Carcinoma of thyroid gland. Associated with systemic amyloidosis and nephrotic syndrome. Perloff M, et al. **NY State J Med** 75(10):1770–1, Sep 75
Thickened corneal nerves as a manifestation of multiple endocrine neoplasia. Robertson DM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP772–87, Nov–Dec 75
Preoperative recurrent laryngeal nerve paralysis in patients subjected to thyroid surgery. Arosenius KE, et al. **Ups J Med Sci** 81(2):93–5, 1976

[Hypokalemic periodic paralysis in a patient with a toxic adenoma of the thyroid gland] Milić S, et al. **Neuropsihijatrija** 22(1–4):133–8, 1974 (Eng. Abstr.) **(Cro)**

[Pheochromocytoma and thyroid cancer with amyloid stroma (Sipple's syndrome)] Lièvre JA, et al. **Ann Med Interne (Paris)** 126(1):27–9, Jan 75 **(Fre)**

[Proceedings: Diarrhea in medullary cancer of the thyroid] Cattan D, et al. **Arch Fr Mal App Dig** 64(3):278–9, Apr–May 75 **(Fre)**

[Thyroid cancer with secondary rupture of a carotid artery treated with a vein graft. 4–year follow–up] Spay G, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):160–2, 1974 (Eng. Abstr.) **(Fre)**

[Letter: The relation between hypercalcemia and thyroid nodules] Aubert L, et al. **Nouv Presse Med** 4(42):3013, 6 Dec 75 **(Fre)**

[Letter: Hypothyroidism revealing a lymphosarcoma] Massot C, et al. **Nouv Presse Med** 4(44):3145, 20 Dec 75 **(Fre)**

[Medullary epithelioma with amyloid stroma associated with pheochromocytomas and ganglioneuromas in both adrenal glands] Delorme F, et al. **Union Med Can** 104(4):601–5, Apr 75 (Eng. Abstr.) **(Fre)**

[Multiple mucosal neuroma syndrome] Giroux L, et al. **Union Med Can** 104(4):605–10, Apr 75 **(Fre)**

[Cystic degeneration of autonomous adenomas (author's transl)] Galvan G, et al. **Munch Med Wochenschr** 118(1):21–4, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[The coincidence of medullary thyroid carcinoma and pheochromocytoma] Kiffner E, et al. **Munch Med Wochenschr** 118(6):161–2, 6 Feb 76 **(Ger)**

[Primary hyperparathyroidism and papillary thyroid gland carcinoma] Uehlinger M. **Schweiz Med Wochenschr** 105(46):1547–52, 15 Nov 75 (Eng. Abstr.) **(Ger)**

[Solid cancer of the thyroid gland (with amyloidosis stroma) combined with corticosteromas of the adrenals] Propp RM, et al. **Arkh Patol** 37(9):68–70, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Whisky: a new provacative test for calcitonin secretion. Dymling JF, et al. **Acta Endocrinol (Kbh)** 82(3):500–9, Jul 76

Medullary carcinoma of the thyroid in Norway. Clinical course and endocrinological aspects. Normann T, et al. **Acta Endocrinol (Kbh)** 83(1):71–85, Sep 76

Trials to differentiate thyroid tumours by the use of 99Tcm–Solcocitran. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(5):462–4, Oct 75

Enhanced ciinical diagnosis of thyroid disease using echography. Blum M. **Am J Med** 59(3):301–7, Sep 75

Ultrasonic examination of the thyroid gland. Possibilities and limitations. Thijs LG, et al. **Am J Med** 60(1):96–105, Jan 76

Carcinoma of the thyroid with description of a new scanning technic. Withers EH, et al. **Am J Surg** 130(4):395–8, Oct 75

Evaluation of dominant thyroid masses. Thomas CG Jr, et al. **Ann Surg** 183(5):463–9, May 76

The early diagnosis of medullary carcinoma of the thyroid gland in patients with multiple endocrine neoplasia type II. Wells SA Jr, et al. **Ann Surg** 182(4):362–70, Oct 75

Letter: Needle aspiration biopsy for thyroid cancer. Heimann P. **Arch Surg** 110(12):1517–8, Dec 75

Secondary carcinoma of the thyroid gland. Thomson JA, et al. **Br J Surg** 62(9):692–3, Sep 75

Editorial: Thyroid cancer. **Br Med J** 1(6002):113–4, 17 Jan 76

Thyroid cancer–latrogenic and otherwise. Hill CS Jr. **CA** 26(3):160–4, May–Jun 76

Application of special diagnostic techniques in the management of nodular goitre. Walfish PG, et al. **Can Med Assoc J** 115(1):35–40, 3 Jul 76

The single palpable thyroid nodule: evaluation by 99mTc–pertechnetate imaging. Alderson PO, et al. **Cancer** 37(1):258–65, Jan 76

Medullary carcinoma of the thyroid. Diagnostic problems. Normann T, et al. **Cancer** 38(1):366–77, Jul 76

Physical and radiological findings specific for medullary carcinoma of the thyroid gland. Fujimoto Y, et al. **Endocrinol Jpn** 22(3):225–32, Jun 75

An approach to the management of the thyroid nodule. pp. 239–46. Schultz AL. **In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.**

Thyroid carcinoma. Correlation between clinical and pathological findings. Pimentel E, et al. **Int Surg** 60(10):536–7, Oct 75

Management of thyroid neoplasms. Caleel GT. **J Am Osteopath Assoc** 75(10):896–908, Jun 76

The gray scale echographic appearance of thyroid malignancy. Crocker EF, et al. **J Clin Ultrasound** 2(4):305–6, Dec 74

Comparison of 99mTc and 123I for thyroid imaging. Arnold JE, et al. **J Nucl Med** 17(4):261–7, Apr 76

Functioning metastases in liver from thyroid carcinoma: case report. Atmaram SH, et al. **J Nucl Med** 16(10):919–21, Oct 75

Evaluation of cold areas on the thyroid scan with 67Ga–citrate. Heidendal GA, et al. **J Nucl Med** 16(8):793–4, Aug 75

Inconsistent images of thyroid nodule scintigrams made with iodine and pertechnetate: case report. Hirabayashi S, et al. **J Nucl Med** 16(10):918, Oct 75

Sudden hemorrhage in metastatic thyroid carcinoma of the brain during treatment with iodine–131. Holmquest DL, et al. **J Nucl Med** 17(4):307–9, Apr 76

Thyroid scanning with gallium–67 and cesium–131. Koutras DA, et al. **J Nucl Med** 17(4):268–71, Apr 76

Differentiation between malignant and benign solitary thyroid nodules by fluorescent scanning. Patton JA, et al. **J Nucl Med** 17(1):17–21, Jan 76

Indium–113m perfusion study and the nonfunctioning thyroid nodule. Shih WJ. **J Nucl Med** 16(12):1187–8, Dec 75

Thyroid carcinoma presenting as a pertechnetate 'hot' nodule, but without 131I uptake: case report. Turner JW, et al. **J Nucl Med** 17(1):22–3, Jan 76

Thyroid scintigram. Sensitivity with sodium pertechnetate Tc 99m and gamma camera with pinhole collimator. Ryo UY, et al. **JAMA** 235(12):1235–8, 22 Mar 76

Letter: Pentagastrin test in medullary carcinoma of the thyroid. Rasmusson B. **Lancet** 2(7944):1101, 29 Nov 75

Medullary carcinoma of the thyroid gland. Shapiro MJ. **Laryngoscope** 86(9):1375–85, Sep 76

Case for diagnosis. Oertel JE. **Milit Med** 141(4):236, 263, Apr 76

Protein histochemistry methods for colloid identification to metastases of thyroid carcinoma. Fakan F. **Neoplasma** 23(2):191–6, 1976

Gray–scale ultrasonography of the thyroid. Chilcote WS. **Radiology** 120(2):381–3, Aug 76

Gray–scale ultrasonography of the thyroid. Chilcote WS. **Radiology** 120(2):381–3, Aug 76

Solitary lytic lesion of the skull. Curtis DJ, et al. **Radiology** 119(3):575–9, Jun 76

The ultrasonic evaluation of nonfunctioning thyroid nodules. Shaub M, et al. **West J Med** 123(4):265–8, Oct 75

Autonomous adenoma of the thyroid in infancy. Zabransky S, et al. **Z Kinderheilkd** 120(1):51–7, 1 Jul 75

[Diagnosis of metastazing adenocarcinoma of the thyroid gland in childhood—comparison of gammagraphy and infrared thermovision results] Stavratjev M, et al. **Cesk Pediatr** 31(4):204–7, Apr 76 (Eng. Abstr.) **(Cze)**

[Clinical evaluation of medullary carcinoma of the thyroid gland] Vlasák V. **Rozhl Chir** 54(10):711–6, Oct 75 (Eng. Abstr.) **(Cze)**

[Radioimmunological determination of calcitonin (TCT) in the course of thyroid tumor pathology (84 cases)] Merceron RE, et al. **Ann Endocrinol (Paris)** 36(4):219–20, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[The thyroid cancer's prognosis. Personnal results] Simonin R, et al. **Ann Endocrinol (Paris)** 35(4):483–4, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Plunging goiters. Statistical study of 46 cases] Trotoux J, et al. **Ann Otolaryngol Chir Cervicofac** 91(9):475–84, Sep 74 (Eng. Abstr.) **(Fre)**

[Thyroid cancers masked by hyperthyroidism. 12 cases] Blondeau PH, et al. **J Chir (Paris)** 111(3):271–88, Mar 76 (21 ref.) (Eng. Abstr.) **(Fre)**

[Use, in the diagnosis of tumors, technics with 2 indicators with use of the scintillation camera and computer] Buraggi GL. **J Radiol Electrol Med Nucl** 56 suppl 1:369, 1975 **(Fre)**

[Role of thermography in the study of thyroid nodules] Rocchi L, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:58–60, 1975 **(Fre)**

[Correlation between scintographic aspects of thyroid nodules and incidence of malignant tumors] Rodari A, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:449–50, 1975 **(Fre)**

[Tests of stimulation of calcitonin secretion. Value in medullary cancer of the thyroid] Milhaud G, et al. **Nouv Presse Med** 4(24):1793–5, 14 Jun 75 (Eng. Abstr.) **(Fre)**

[Struma maligna: endocrinology and diagnosis] Heinze HG, et al. **Chirurg** 47(8):422–8, Aug 76 **(Ger)**

[Autonome thyroid adenoma] Heinze HG, et al. **Dtsch Med Wochenschr** 100(43):2223–5, 24 Oct 75 **(Ger)**

[Significance of cytological studies for the diagnosis of thyroid malignomas] Smejkal V, et al. **Endokrinologie** 65(3):348–53, 1975 (Eng. Abstr.) **(Ger)**

[Traditional and new methods in the diagnosis of hyperthyroidism and autonomous adenoma] Börner W. **Med Welt** 27(16):743–7, 16 Apr 76 **(Ger)**

[Methods in the diagnosis of solitary thyroid nodules] Börner W. **Med Welt** 27(35):1611–7, 27 Aug 76 **(Ger)**

[Anaplastic thyroid carcinoma simulating acute suppurative thyroiditis] Schumann J. **Med Welt** 27(33):1523–5, 13 Aug 76 **(Ger)**

[Differential diagnosis of struma maligue] Dietz R. **Strahlentherapie** 150(1):22–7, Jul 75 (Eng. Abstr.) **(Ger)**

[Studies of the scintigraphic appearance of a 'cold' autonomous thyroid adenoma using process–computer–controlled data processing] Mahlstedt J, et al. **Strahlentherapie [Sonderb]** 74:496–502, 1975 (Eng. Abstr.) **(Ger)**

[Aspects of the use of Cs131 in the differential diagnosis of thyroid nodules] Pagliaini R, et al. **Arch E Maragliano Patol Clin** 30(1):53–68, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Thyroid carcinoma in the young age] Dodi G, et al. **Minerva Chir** 31(3):56–60, 15 Feb 76 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of the development of thryoid adenocarcinoma in the selection of surgical treatment] Adamus J. **Pol Tyg Lek** 30(40):1665–7, 6 Oct 75 **(Pol)**

[Scintigraphic diagnosis] de Medeiros Neto GA. **Rev Assoc Med Bras** 21(12):384, Dec 75 **(Por)**

[Chronic thyroiditis and its importance in oncological surgery] Chiricuță I, et al. **Rev Chir [Chir]** 24(4):257–66, Jul–Aug 75 **(Rum)**

[Diagnostic difficulties resolved during surgery in thoracopulmonary diseases] Baranetchi C, et al. **Rev Ig [Pneumoftiziol]** 23(4):387–94, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Criteria of early morphological diagnosis of malignant epithelial proliferations of the thyroid] Tașcă C, et al. **Stud Cercet Endocrinol** 23(4):235–47, 1972 (81 ref.) **(Rum)**

[Electroroentgenoscanning in metastases of thyroid gland neoplasms] Marmorshtein SIa, et al. **Med Radiol (Mosk)** 20(10):13–7, Oct 75 **(Rus)**

[Echographic study of the zones of regional metastases of cancer of the thyroid gland] Mukhtarov AA, et al. **Vrach Delo** (4):16–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Wegelin's tumor of the thyroid gland] Obradović N, et al. **Med Pregl** 29(3–4):133–5, 1976 **(Ser)**

[Hashimoto's thyroiditis of pseudotumoral aspect] Olóriz J. **An Otorrinolaringol Ibero Am** 2(5):52–63, 1975 (Eng. Abstr.) **(Spa)**

[Medullary carcinoma of the thyroid gland. Report of a case] Mallet Arellano A, et al. **Bol Med Hosp Infant Mex** 33(3):567–78, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Hot nodule and carcinoma of the thyroid gland] Menchaca Montano JR, et al. **Rev Clin Esp** 139(2):157–61, 31 Oct 75 (Eng. Abstr.) **(Spa)**

[Fine needle biopsy in thyroid cancer] Aspegren K, et al. **Lakartidningen** 73(9):730–2, 25 Feb 76 (Eng. Abstr.) **(Swe)**

[Editorial: Fine needle biopsy in thyroid cancer] Schnürer LB, et al. **Lakartidningen** 13(13):1193–4, 24 Mar 76 **(Swe)**

DRUG THERAPY

TSH levels and TSH response to TRH as a guide to the replacement treatment of patients with thyroid carcinoma. Busnardo B, et al. **J Clin Endocrinol Metab** 42(5):901–6, May 76

Use of lithium as an adjunct to radioiodine therapy of thyroid carcinoma. Gershengorn MC, et al. **J Clin Endocrinol Metab** 42(1):105–11, Jan 76

Serum calcitonin–lowering effect of magnesium in patients with medullary carcinoma of the thyroid. Anast C, et al. **J Clin Invest** 56(6):1615–21, Dec 75

Letter: Nutmeg and medullary carcinoma of thyroid. Shafran I, et al. **N Engl J Med** 293(24):1266, 11 Dec 75

[Letter: Indifferent cancer of the thyroid gland. Remission by adriamycine] Fiorentino M, et al. **Nouv Presse Med** 4(40):2884, 22 Nov 75 **(Fre)**

[Physiological data and therapeutic applications of TRH] Mornex TR, et al. **Therapie** (4):475–83, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Polycytostatic treatment of highly aggressive thyroid malignomas] Zechmann W, et al. **Z Allgemeinmed** 51(29):1304–7, 20 Oct 75 **(Ger)**

[Clinical study of certain antineoplastic preparations in cancer of the thyroid gland] Shelina VN, et al. **Klin Med (Mosk)** 53(6):45–9, Jun 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Adenylate cyclase and protein phosphokinase activities in human thyroid. Comparison of normal glands, hyperfunctional nodules and carcinomas. Sand G, et al. **Eur J Cancer** 12(6):447–53, Jun 76

[Subcellular distribution of the protein kinase activity in the normal and neoplastic thyroid tissue of the rat] Meldolesi MF, et al. **C R Soc Biol (Paris)** 169(6):1442–8, 1975 (Eng. Abstr.) **(Fre)**

[Presence of various protein kinases and of partially copurified endogenous substrates in the soluble fraction of an experimental tumor of the rat thyroid gland] Meldolesi MF, et al. **C R Soc Biol (Paris)** 169(6):1448–54, 1975 (Eng. Abstr.) **(Fre)**

[Behavior of histochemical reactions for some oxidoreductases and hydrolases in thyroid gland nodules in children] Wójtowicz M, et al. **Endokrynol Pol** 26(5):559–70, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Thyroid carcinoma after 131I treatment for hyperthyroidism. Report of a case. Wiener JD, et al. **Acta Med Scand** 198(4):329–330, Oct 75

Thyroid irradiation and carcinogenesis. Review with assessment of clinical implications. Foster RS Jr. **Am J Surg** 130(5):608–11, Nov 75 (36 ref.)

Adult thyroid cancer after head and neck irradiation in infancy and childhood. Becker FO, et al. **Ann Intern Med** 83(3):347–51, Sep 75

Letter: Radiation and thyroid neoplasia. McConahey WM, et al. **Ann Intern Med** 84(6):749–50, Jun 76

Information for physicians on irradiation–related thyroid cancer, The National Cancer Institute. **CA** 26(3):150–9, May–Jun 76

Radiation carcinogenesis. Son YH. **Cancer** 36(3):941–5, Sep 75

Recalling former patients: weighing the risks. Phillips DF. **Hospitals** 49(22):85–8, 16 Nov 75

Inferences on radiation carcinogenesis revealed by selected studies in animals. pp. 13–29. Bustad LK, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.** (61 ref.)

Letter: Radiation to the head, neck, and upper thorax of the young, and thyroid neoplasia. McConahey WM, et al. **J Clin Endocrinol Metab** 42(6):1182–3, Jun 76

Radiation to the head, neck and upper thorax of the young and thyroid neoplasia. Schreiner RL. **J Indiana State Med Assoc** 69(3):149–50, Mar 76

Thyroid cancer induced prior radiation of the head or neck. **J Ky Med Assoc** 74(6):274, Jun 76

Radiation and thyroid cancer. New concerns. Debra DW Jr. **J Med Assoc Ga** 64(10):395–6, Oct 75

Postirradiation carcinoma of the thyroid gland. Martin GH. **J Miss State Med Assoc** 17(7):195, Jul 76

Editorial: Thyroid neoplasia and radiation to head, neck, and upper thorax of the young. McConahey, et al. **J Pediatr** 89(1):169–70, Jul 76

Thyroid nodularity in children. Rallison ML, et al. **JAMA** 233(10):1069–72, 8 Sep 75

Letter: Thyroid cancer and therapy with 131I. Piers DA. **Lancet** 2(7981):373, 14 Aug 76

Letter: Alcohol and cancer of breast and thyroid. Pochin EE. **Lancet** 1(7969):1137, 22 May 76

Breast and thyroid cancer and malignant melanoma promoted by alcohol-induced pituitary secretion of prolactin, T.S.H. and M.S.H. Williams RR. **Lancet** 1(7967):996–9, 8 May 76

Thyroid cancer occurring as a late consequence of head-and-neck irradiation. Evaluation of 1056 patients. Favus MJ, et al. **N Engl J Med** 294(19):1019–25, 6 May 76

Cancer of the thyroid following radium application to the neck. Walach N, et al. **Oncology** 31(3–4):153–6, 1975

Editorial: Over-concern can equal hysteria—thyroid cancer. Tristan TA. **Pa Med** 79(2):49–51, Feb 76

Workshop on late effects of irradiation to the head and neck in infancy and childhood. Beahrs OH. **Radiology** 120(3):733–4, Sep 76

Carcinoma of the thyroid after radiation to the neck. Crile G Jr. **Surg Gynecol Obstet** 141(4):602–3, Oct 75

Thyroid cancer. Delayed effects of head and neck irradiation in children. Earle J. **West J Med** 123(4):340, Oct 75

[Herrenschmidt carcinoma with thyrotoxicosis] Courtois H, et al. **Ann Endocrinol (Paris)** 35(4):481–2, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Anaplastic epithelioma of the thyroid gland 6 years after cervical irradiation for malignant lymphoma] Voisin M, et al. **Can Med Assoc J** 113(7):648–52, 4 Oct 75 **(Fre)**

[Werner's syndrome with metastasizing malignant struma] Runne U. **Z Hautkr** 50(19):817–9, 1 Oct 75 **(Ger)**

[Statistical analysis of correlations between tonsillectomy and malignant neoplasms of the thyroid] Raso AM, et al. **Minerva Chir** 30(22):1135–9, 30 Nov 75 (Eng. Abstr.) **(Ita)**

[Development of thyroid tumors in rats following long-term I131 administration] Zhorno Lla, et al. **Vopr Onkol** 21(5):114–6, 1975 **(Rus)**

[Past history of neck irradiation in thyroid neoplasms. Study of a series of 122 cases] Viladiu P, et al. **Rev Clin Esp** 140(2):129–32, 31 Jan 76 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Adrenal medullary hyperplasia. A morphometric analysis in patients with familial medullary thyroid carcinoma. DeLellis RA, et al. **Am J Pathol** 83(1):177–96, Apr 76

Medullary carcinoma of the thyroid. Cellular immune response to tumor antigen in a heritable human cancer. George JM, et al. **Cancer** 36(5):1658–61, Nov 75

Lymphoma of the thyroid. An unusual clinical course in a patient possessing a 14/21 translocation. Langlands AO, et al. **Cancer** 38(1):259–64, Jul 76

Multiple endocrine adenomatosis–I and II. Harrison TS, et al. **Curr Probl Surg** :1–51, Aug 75

Sipple syndrome and pregnancy. Harris RE, et al. **JAMA** 235(11):1136–7, 15 Mar 76

Genetic disorders of the thyroid. Zonana J, et al. **Med Clin North Am** 59(5):1263–74, Sep 75 (54 ref.)

Familial occurrence of differentiated (non-medullary) thyroid cancer. Němec J, et al. **Oncology** 32(3–4):151–7, 1975

Management of familial medullary thyroid carcinoma and phaeochromocytoma. Beaugie JM, et al. **Proc R Soc Med** 68(3):179, Mar 75

Clonal origin of inherited medullary thyroid carcinoma and pheochromocytoma. Baylin SB, et al. **Science** 193(4250):321–3, 23 Jul 76

Natural history of the familial medullary thyroid carcinoma–pheochromocytoma syndrome and the identification of preneoplastic stages by screening studies: a five-year report. Gagel RF, et al. **Trans Assoc Am Physicians** 88:177–91, 1975

Multiple endocrine adenomatosis type II (Sipple's syndrome) in twins. Reza MJ, et al. **West J Med** 123(6):441–6, Dec 75

[A 'healthy' brother and sister in a family with medullary thyroid carcinoma] Su CA, et al. **Ned Tijdschr Geneeskd** 120(26):1109–17, 26 Jun 76 (Eng. Abstr.) **(Dut)**

[Familial forms of Sipple's syndrome] Smadja A, et al. **Arch Anat Cytol Pathol** 24(1):71–4, 1976 **(Fre)**

[Atypical familial thyroid cancer (In a sister, localized in the ovary following extirpation of a benign goiter. In a brother, disclosed by osteolytic lesions)] Buffat JD. **Rev Med Suisse Romande** 95(10):753–6, Oct 75 **(Fre)**

IMMUNOLOGY

Immunologic aspects of human thyroid cancer. Humoral and cell-mediated immunity, and a trial of immunotherapy. Amino N, et al. **Cancer** 36(3):963–73, Sep 75

Carcinoembryonic antigen and humoral antibody response in patients with thyroid carcinoma. Rochman H, et al. **Cancer Res** 35(10):2689–92, Oct 75

Immunological reactions in medullary carcinoma of the thyroid. Maluish AE, et al. **Clin Immunol Immunopathol** 5(3):303–7, May 76

[Cellular immunity in two familial cases of thyroid carcinoma (author's transl)] Palestro G, et al. **Tumori** 61(4):333–7, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Antithyroglobulin antibodies in thyroideal carcinoma (analysis of 34 cases and comparative study with 36 benign tumors)] Ribera Casado JM. **Rev Clin Esp** 139(5):441–44, 15 Dec 75 (Eng. Abstr.) **(Spa)**

METABOLISM

Diminished binding of thyroid-stimulating hormone in a transplantable rat thyroid tumor as a possible cause of hormone unresponsiveness. Mandato E, et al. **Cancer Res** 35(11 Pt 1):3089–93, Nov 75

Defective thyroglobulin synthesis in an experimental rat thyroid tumor: iodination and thyroid hormone synthesis in isolated tumor thyroglobulin. Monaco F, et al. **Endocrinology** 97(2):347–51, Aug 75

Immunoassay of calcitonin in rat medullary thyroid carcinoma. Deftos LJ, et al. **Horm Metab Res** 8(1):83–4, Jan 76

Presence of TSH receptor in thyroid neoplasms. Ichikawa Y, et al. **J Clin Endocrinol Metab** 42(2):395–8, Feb 76

Secretory activity of isolated thyroid adenomas. van den Hove-Vandenbroucke MF, et al. **J Clin Endocrinol Metab** 43(1):178–81, Jul 76

Calcitonin production by rat thyroid tumours. Triggs SM, et al. **J Endocrinol** 66(1):37–43, Jul 75

Radioimmunoassay of calcitonin in plasma, normal thyroid, and medullary thyroid carcinoma of the rat. Roos BA, et al. **J Lab Clin Med** 88(2):173–82, Aug 76

Stimulation of thyrocalcitonin secretion by ethanol in patients with medullary thyroid carcinoma—an effect apparently not mediated by gastrin. Wells SA Jr, et al. **Metabolism** 24(11):1215–9, Nov 75

Radioimmunoassay of human calcitonin in serum and tissue from healthy individuals and patients with medullary carcinoma of the thyroid gland. Gautvik KM, et al. **Scand J Clin Lab Invest** 36(4):323–9, Jul 76

[Proceedings: Iodine metabolism in isolated human thyroid cells (hyperplastic goitre and toxic adenoma) (author's transl)] Rousset B, et al. **Ann Endocrinol (Paris)** 36(3):163–4, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Serum concentration of triiodothyronine in autonomous thyroid gland adenoma] Erd W, et al. **Acta Med Austriaca** 2(5):190–3, 1975 (Eng. Abstr.) **(Ger)**

[Effect of surgery on the metabolism of cell mass and extracelllular space in patients with thyroid carcinoma] Marczyńska A, et al. **Nowotwory** 25(3):229–36, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

[Usefulness of TSH administration on increased iodine uptake by the thyroid gland in carcinoma] Więckowski B. **Nowotwory** 26(1):69–73, Jan–Mar 76 (Eng. Abstr.) **(Pol)**

MORTALITY

Prognostic features of thyroid cancer. A long-term followup of 68 cases. Russell MA, et al. **Cancer** 36(2):553–9, Aug 75

OCCURRENCE

Papillary thyroid carcinoma in Denmark 1943–68. I. Incidence and clinical features. Lindahl F. **Acta Chir Scand** 141(6):499–503, 1975

Gross, histomorphological and histochemical changes in the thyroid gland of goat with age. III. Occurrence of thymic tissue. Roy KS, et al. **Anat Anz** 139(1–2®760603–760610–2):158–64, 1976

Geographic pathology of occult thyroid carcinomas. Fukunaga FH, et al. **Cancer** 36(3):1095–9, Sep 75

Papillary thyroid carcinoma in Denmark, 1943—1968. Lindahl F. **Cancer** 36(2):540–52, Aug 75

Anaplastic thyroid carcinoma in Denmark 1943–1968. Lindahl F. **Dan Med Bull** 23(3):120–8, Jun 76 (Eng. Abstr.)

Sarcoma of the thyroid gland: twenty-two cases in Denmark 1943–1968. Lindahl F. **Dan Med Bull** 23(3):103–7, Jun 76 (Eng. Abstr.)

Follicular thyroid carcinoma in Denmark 1943–1968. Lindahl F. **Dan Med Bull** 23(3):107–19, Jun 76 (Eng. Abstr.)

Thyroid nodules and thyroid carcinoma. Gogas JG, et al. **Int Surg** 60(10):534–5, Oct 75

Letter: Thyroid carcinoma. **N Engl J Med** 295(6):340–2, 5 Aug 76

[Proceedings: Incidence and distribution of thyroid gland tumors in surgery and autopsy material] Heitz P, et al. **Verh Dtsch Ges Pathol** 59:452, 1975 **(Ger)**

[Thyroiditis and tumors of the thyroid gland. Clinico-statistical study] Lodi A, et al. **Folia Endocrinol (Roma)** 27(1):123–6, Feb 74 **(Ita)**

[Thyroid neoplasms in the Cracow Region in the years 1967–1973. Incidence and kind of thyroid neoplasms as a function of patients' age and time of thyroid gland enlargement] Stachura J, et al. **Endokrynol Pol** 26(4):439–45, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Latent thyroid carcinoma in the material of the Institute of Oncology in Gliwice] Fukunaga FH, et al. **Nowotwory** 25(3):223–8, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Ultrastructural observations on a follicular carcinoma of the thyroid gland. Kay S, et al. **Am J Clin Pathol** 65(3):328–36, Mar 76

Animal model of human disease: medullary carcinoma of the thyroid. Boorman GA, et al. **Am J Pathol** 83(1):237–40, Apr 76 (9 ref.)

Factors increasing the probability of malignancy in thyroid nodules. Haff RC, et al. **Am J Surg** 131(6):707–9, Jun 76

The pathology of thyroid malignancy. Williams ED. **Br J Surg** 62(10):757–9, Oct 75

A functioning pleomorphic carcinoma of the thyroid. Karnauchow PN. **Can Med Assoc J** 115(1):41–3, 3 Jul 76

Primary mucinous adenocarcinoma of thyroid gland. Diaz-Perez R, et al. **Cancer** 38(3):1323–5, Sep 76

Malignant adenoma of the thyroid: hail or farewell? Staunton MD. **Clin Oncol** 2(2):157–61, Jun 76

Small cell malignant tumors of the thyroid. A light and electron microscopic study. Cameron RG, et al. **Hum Pathol** 6(6):731–40, Nov 75

Pathological aspects of thyroid malignancies. pp. 125–50. Civantos F. **In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.** (90 ref.)

Metastases of carcinoma of the larynx and thyroid gland to the phalanges of the hand. Report of two cases. Uriburu IJ, et al. **J Bone Joint Surg [Am]** 58(1):134–6, Jan 76

Anaplastic thyroid carcinoma metastatic to skin. Barr R, et al. **J Cutan Pathol** 1(5):201–6, 1974

Osteosarcoma of the thyroid gland. Trowell JE, et al. **J Pathol** 119(2):123–7, Jun 76

Metastatic occult follicular thyroid carcinoma. Boehm T, et al. **JAMA** 235(22):2420–1, 31 May 76

Histopathologic observations on thyroid carcinoma with amyloid stroma. Taşcă C, et al. **Morphol Embryol (Bucur)** 21(2):103–7, 1975

Histopathology of some carcinomatous and pseudocarcinomatous aspects of the thyroid. Taşcă C, et al. **Morphol Embryol (Bucur)** 22(2):91–7, Apr–Jun 76 (Eng. Abstr.)

Primary C-cell hyperplasia within a nodule of thyroid isthmus. Beskid M. **Oncology** 32(1):11–20, 1975

Mucosal ganglioneuromatosis, medullary thyroid carcinoma, and pheochromocytoma: multiple endocrine neoplasia, type 2b. Aidan Carney J, et al. **Oral Surg** 41(6):739–52, Jun 76

Needle biopsy of the thyroid. Wang C, et al. **Surg Gynecol Obstet** 143(3):365–8, Sep 76

Comparative ultrastructure of thyroid, tongue and eyelid lesions in the neuroma phenotype of medullary carcinoma of the thyroid: association of amyloid with fibroblasts in thyroid tumor and in mucosal neuromas. Thliveris JA, et al. **Virchows Arch [Pathol Anat]** 369(3):249–58, 16 Feb 76

[Carcinoma of the thyroid gland] Vojaček K. **Cesk Patol** 11(2):96–103, May 75 (Eng. Abstr.) **(Cze)**

[Carcinoma of the thyroid gland in the biopsy material] Zrustová M, et al. **Rozhl Chir** 54(10):704–10, Oct 75 (Eng. Abstr.) **(Cze)**

[Histological classification of thyroid neoplasms and its implications] Franssila K. **Duodecim** 91(11):690–701, 1975 **(Fin)**

[Carcinomas of thyroid gland: anatomo-pathologic experience of cooperative group E.O.R.T.C.] Cabanne F, et al. **Ann Endocrinol (Paris)** 35(4):463–8, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Proceedings: Relapse of a toxic adenoma of the thyroid 3 years after surgery (author's transl)] Jaffiol C, et al. **Ann Endocrinol (Paris)** 36(6):371–2, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Medullary cancer with amyloid stroma and diffuse endocrine system] Pages A. **Ann Endocrinol (Paris)** 35(4):469–79, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Tumor of the trachea or thyroid gland. Apropos of a cylindromatous tumor of the thyroid gland] André P, et al. **Ann Otolaryngol Chir Cervicofac** 91(10–11):601–8, Oct–Nov 74 (Eng. Abstr.) **(Fre)**

[The cellular load of argyrophilic granules in carcinoids and related tumors] Berger G, et al. **Arch Anat Pathol (Paris)** 23(3):221–6, 1975 (19 ref.) **(Fre)**

[Pathological anatomy of struma maligna] Löhrs U. **Chirurg** 47(8):413–21, Aug 76 **(Ger)**

[Thyroid macrocellular tumors (so-called hurthle cell tumors] Ruchti C, et al. **Helv Chir Acta** 43(1–2):129–32, Mar 76 **(Ger)**

[Cytologic identification of follicular carcinoma of the thyroid by fine needle aspiration biopsy (author's transl)] Droese M. **Med Klin** 71(21):908–11, 21 May 76 (Eng. Abstr.) **(Ger)**

[Electron microscopy and immunohistochemistry studies of thyroid gland tumors] Böcker W. **Verh Dtsch Ges Pathol** 59:554, 1975 **(Ger)**

[Parotid gland oncocytoma associated with papillary carcinoma of the thyroid gland (scintigraphic and anatomo-pathological study)] Macrí C, et al. **Pathologica** 67(967–968):195–204, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Case of malignant small cell carcinoma originating in the thyroid] Tanaka T, et al. **Jpn J Clin Pathol** 23(8):622–3,

Aug 75 (Jpn)
[Metastatic tracheal neoplasm--a case study] Goto A, et al. **Jpn J Clin Radiol** 20(5):427–32, May 75 (Jpn)
[Carcinoma hyalinicum of the thyroid gland] Bielicki F, et al. **Endokrynol Pol** 27(1):117–9, Jan–Feb 76 (Eng. Abstr.) (Pol)
[Paraneoplastic syndrome simulating a systemic connective tissue disease with hypercalcemic crisis in the closing years of the patient's life] Frygin E, et al. **Reumatologia** 13(3):207–13, 1975 (Eng. Abstr.) (Pol)
[Reticulosarcoma of the thyroid gland] Zagrebin VM, et al. **Arkh Patol** 38(2):87–8, 1976 (Rus)
[A comparative study of primary human cell cultures of diffuse goiter and cancer of the thyroid gland] Demidova SA, et al. **Vopr Onkol** 21(6):83–8, 1975 (Eng. Abstr.) (Rus)
[True myelinic neuroma. Its associations (neurocrestopathies)] Cortijo AT, et al. **Med Cutan Iber Lat Am** 3(5):341–51, 1975 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Functional state of the hematopoietic system during treatment of distant metastases of thyroid neoplasms with radioactive iodine] Sokolova II, et al. **Med Radiol (Mosk)** 20(11):80–2, Nov 75 (Rus)

RADIOGRAPHY

Thyroid lymphography. Gandhi GM, et al. **Am J Surg** 131(5):563–5, May 76
Unusual calcification in mixed papillary and follicular carcinoma of the thyroid gland. Park CH, et al. **Radiology** 119(3):554, Jun 76
[Thyroid and parathyroid angiography] Rossi P. **J Radiol Electrol Med Nucl** 56 suppl 2:450–2, 1975 (Fre)
[Lymphography in thyroid and extrathyroid tumors] Bielicki F, et al. **Endokrynol Pol** 27(3):287–92, May–Jun 76 (Eng. Abstr.) (Pol)
[Angiography and differential diagnosis of tumors of the neck] Khalikov T. **Med Radiol (Mosk)** 20(8):15–7, Aug 75 (Rus)
[Difficulties and errors in studies and interpretations of angiograms in diseases of the thyroid gland] Tsyb AF, et al. **Med Radiol (Mosk)** 20(8):17–9, Aug 75 (Rus)

RADIOTHERAPY

Low dose radioiodide thyroid ablation in postsurgical patients with thyroid cancer. McCowen KD, et al. **Am J Med** 61(1):52–8, Jul 76
External irradiation in treatment of papillary carcinoma of the thyroid. Lenio PT. **Am J Surg** 131(3):281–3, Mar 76
Proceedings: Scanning as an aid to the management of thyroid carcinoma. Henk JM. **Br J Radiol** 48(575):943, Nov 75
External radiotherapy and radioiodine in the treatment of 359 thyroid cancers. Tubiana M, et al. **Br J Radiol** 48(575):894–907, Nov 75
Radiation therapy of thyroid carcinoma. pp. 173–81. Hill CS Jr.
In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.
Subsequent fertility and birth histories of children and adolescents treated with 131I for thyroid cancer. Sarkar SD, et al. **J Nucl Med** 17(6):460–4, Jun 76
Results of radioiodine (131/125I) therapy of hyperthyroidism. Glanzmann C, et al. **Radiol Clin (Basel)** 44(5):484–90, 1975
[Treatment of toxic adenoma of the thyroid gland using radioactive iodine] Latković I, et al. **Lijec Vjesn** 97(3):145–8, Mar 75 (Eng. Abstr.) (Cro)
[External radiotherapy in the treatment of cancer of the thyroid body (apropos of 224 cases)] Tubiana M, et al. **Ann Endocrinol (Paris)** 35(4):485–6, Jul–Aug 74 (Fre)
[Radiotherapy of struma maligna] Engelken G, et al. **Chirurg** 47(8):435–8, Aug 76 (Ger)
[Radio-iodine therapy of toxic adenoma of the thyroid (author's transl)] Heinze HG, et al. **Dtsch Med Wochenschr** 100(43):2203–8, 24 Oct 75 (Eng. Abstr.) (Ger)
[Percutaneous radiotherapy of malignant tumors of the thyroid (author's transl)] Scherer E. **Roentgenblaetter** 28(12):580–6, Dec 75 (Eng. Abstr.) (Ger)
[Non-surgical treatment of thyroid neoplasms] Klepp O. **Tidsskr Nor Laegeforen** 95(23):1287–90, 20 Aug 75 (Eng. Abstr.) (Nor)
[Results obtained in the treatment of hyperfunctional thyroid adenomas with I-131] Holan T, et al. **Stud Cercet Endocrinol** 23(4):271–9, 1972 (Rum)

REHABILITATION

[Work capacity and employment of patients after radical treatment of thyroid cancer] Narychev AA, et al. **Sov Med** (11):116–9, Nov 75 (Eng. Abstr.) (Rus)

SECRETION

Adrenal mediation of the effect of excess ACTH on testosterone levels in male: a study of a patient with probable ACTH secreting medullary thyroid carcinoma. Hajjar RA, et al. **Acta Endocrinol (Kbh)** 80(2):339–43, Oct 75
Release of calcitonin by cultures of medullary carcinoma of the thyroid. Lichtenberger LM, et al. **Endocr Res Commun** 2(8):527–36, 1975
Hypercalcitonemia in bronchogenic cancer. Evidence for thyroid origin of the hormone. Silva OL, et al. **JAMA** 234(2):183–5, 13 Oct 75
Solitary hyperfunctioning thyroid adenoma in a child. Elevated T3 and T4 levels with normal TSH level. Taylor HC. **JAMA** 234(12):1253–5, 22 Dec 75

SURGERY

Papillary thyroid carcinoma in Denmark 1943–68. II. Treatment and survival. Lindahl F. **Acta Chir Scand** 141(6):504–13, 1975
Postoperative replacement doses of sodium-L-thyroxine in patients with thyroid carcinomas. Persson B, et al. **Acta Chir Scand** 141(8):719–20, 1975
Hyperparathyroidism: ectopic parathyroid glands. Herbst JW, et al. **Am J Surg** 131(3):380–1, Mar 76
Hürthle cell carcinoma of the thyroid. Tollefsen HR, et al. **Am J Surg** 130(4):390–4, Oct 75
Diagnostic aspects in 117 patients treated surgically for thyroid carcinoma. Sivula A. **Ann Chir Gynaecol Fenn** 65(1):13–21, 1976
The management of solitary thyroid nodules under local anaesthesia. Cunningham IG, et al. **Aust NZ J Surg** 45(3):285–9, Aug 75
The surgery of thyroid cancer. Johnston ID. **Br J Surg** 62(10):765–8, Oct 75
Thyroidectomy for non-familial medullary carcinoma. Roediger WE. **Br J Surg** 63(5):343–5, May 76
Treatment of carcinoma of the thyroid gland. Wright CJ. **Can J Surg** 19(4):288–90, Jul 76
The treatment of thyroid cancer: a summary. pp. 247–61. Strong EW.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975. (43 ref.)
Single thyroid nodules. Vajrabukka T, et al. **J Med Assoc Thai** 59(4):151–5, Apr 76
Carcinoma of the thyroid. 20 year experience at the Spartanburg General Hospital. Bottsford JE Jr, et al. **J SC Med Assoc** 72(1):1–6, Jan 76
Experience in the surgical treatment of diseases of the thyroid gland. Molina JE, et al. **J Surg Oncol** 7(5):427–34, 1975
Letter: Levothyroxine dosage after thyroidectomy for metastatic papillary cancer. Caplan H. **JAMA** 236(5):448, 2 Aug 76
Surgery of the thyroid. Thomas CG Jr. **Med Clin North Am** 59(5):1247–60, Sep 75 (24 ref.)
Clinical analysis of 43 surgically-treated patients with thyroid carcinoma. Tesárek T, et al. **Neoplasma** 22(3):329–34, 1975
Total thyroidectomy for cancer of the thyroid. Paloyan E, et al. **Proc Inst Med Chic** 30(7):225, Apr–Jun 75
A technique for thyroidectomy. Esselstyn CB Jr. **Surg Clin North Am** 55(5):1031–45, Oct 75
Total thyroidectomy and parathyroid autotransplantation for radiation-associated thyroid cancer. Paloyan E, et al. **Surgery** 80(1):70–6, Jul 76
[Carcinoma in the region of the cervical portion of the esophagus, which has infiltrated the thyroid gland, successfully operated on by coloesophagoplasty in 1 step] Cherveniakov P, et al. **Khirurgiia (Sofiia)** 28(3):277–82, 1975 (Bul)
[Results of a combination of surgery and actinotherapy in thyroid gland tumors] Moravec R, et al. **Cas Lek Cesk** 115(25):755–8, 25 Jun 76 (Eng. Abstr.) (Cze)
[Surgical treatment of cancer of the thyroid (author's transl)] Damian A, et al. **Acta Chir Belg** 74(5):474–82, Sep 75 (Eng. Abstr.) (Fre)
[Our approach to a cold nodular cancer] Reynier J, et al. **Ann Endocrinol (Paris)** 35(4):457–62, Jul–Aug 74 (Eng. Abstr.) (Fre)
[Persistent hyperthyrocalcitoninemia after total thyro-parathyroidectomy for medullary cancer of the thyroid gland in a child with complex neurocristopathy] Barois A, et al. **Ann Med Interne (Paris)** 126(5):377–86, May 75 (Fre)
[Cancer of the thyroid gland. Extended thyroidectomy] Andre P. **J Fr Otorhinolaryngol** 23(9):797–8, 801, 803, Nov 74 (Fre)
[Cancer of the thyroid gland. Extracapsular lobectomy] DeJean Y. **J Fr Otorhinolaryngol** 23(9):791–2, 795, Nov 74 (Fre)
[Cancer of the thyroid gland. Lymph node excision in the neck] Guerrier B. **J Fr Otorhinolaryngol** 23(9):795–7, Nov 74 (Fre)
[Preoperative aspects and surgical treatment of struma maligna] Spelsberg F, et al. **Chirurg** 47(8):429–34, Aug 76 (Ger)
[Surgical treatment of Sipple's syndrome (author's transl] Tibblin St, et al. **Langenbecks Arch Chir** Suppl:227–30, 1975 (Eng. Abstr.) (Ger)
[Evaluation of reliable pituitary suppression therapy through varying thyroid hormone dosage following total thyroidectomy due to a differentiated thyroid carcinoma] Wahl R, et al. **Langenbecks Arch Chir** Suppl:469–74, 1975 (Eng. Abstr.) (Ger)
[The problem of malignant recurring goiter] Halter A. **Schweiz Med Wochenschr** 106(7):210–7, 14 Feb 76 (Eng. Abstr.) (Ger)
[Differentiated tumors of the thyroid. Correlations between radicality of the exeresis, recurrence and survival] Maggi G. **Minerva Chir** 30(5):243–8, 15 Mar 75 (Eng. Abstr.) (Ita)
[Clinical evaluation of the development of thryoid adenocarcinoma in the selection of surgical treatment] Adamus J. **Pol Tyg Lek** 30(40):1665–7, 6 Oct 75 (Pol)
[Treatment of thyroid carcinoma in the light of experiences of the Department of Surgery, Institute of Hematology in Warsaw] Rudowski W, et al. **Pol Tyg Lek** 30(46):1901–4, 17 Nov 75 (Eng. Abstr.) (Pol)
[Our experience in surgery of the thyroid gland. Value of current methods of exploration in establishing therapeutic indications] Lazăr C, et al. **Rev Chir [Chir]** 23(7):591–6, Jul–Aug 74 (Eng. Abstr.) (Rum)
[Surgical management of ocult thyroid cancer with cranial metastasis] Angelescu E, et al. **Stud Cercet Endocrinol** 23(5):329–32, 1972 (Rum)
[Our experience in the surgical treatment of carcinoma of the thyroid gland] Bervar M, et al. **Vojnosanit Pregl** 32(5):490–4, Sep–Oct 75 (Eng. Abstr.) (Ser)

THERAPY

Childhood thyroid cancer. Němec J, et al. **Acta Univ Carol [Med] (Praha)** 21(5–6):405–79, 1975
The treatment of incidental thyroid cancer. Simonowitz D, et al. **Arch Surg** 111(4):477–83, Apr 76
The non-surgical treatment of thyroid cancer. Halnan KE. **Br J Surg** 62(10):769–71, Oct 75
Treatment of thyroid cancer in 293 patients. Staunton MD, et al. **Br J Surg** 63(4):253–8, Apr 76
Letter: Thyroid cancer. **Br Med J** 1(6007):456, 21 Feb 76
The treatment of thyroid cancer – a summary. pp. 235–44. Strong EW.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975. (43 ref.)
Management of thyroid carcinoma. pp. 163–71. Ketcham AS.
In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.
[Therapy of thyroid neoplasms. Synopsis of guideline from section thyroid gland of the Deutsche Gesellschaft for Endokrinologie] Klein E, et al. **Dtsch Med Wochenschr** 101(21):835–9, 21 May 76 (Ger)
[Malignant struma] Junginger VT. **Hippokrates** 45(4):477–88, Nov 74 (Ger)
[Therapeutic problems of autonomous adenoma of the thryroid (author's transl)] Mattes P, et al. **Munch Med Wochenschr** 118(14):441–4, 2 Apr 76 (Eng. Abstr.) (Ger)
[Thyroid malignant neoplasms. Therapeutic results in 305 patients] Heinze HG, et al. **Strahlentherapie** 152(2):114–25, Aug 76 (Eng. Abstr.) (Ger)
[Cancer of the thyroid gland and its treatment] Neimark II. **Probl Endokrinol (Mosk)** 21(6):49–53, Nov–Dec 75 (Eng. Abstr.) (Rus)

VETERINARY

Adenomas and carcinomas of the canine and feline thyroid. Leav I, et al. **Am J Pathol** 83(1):61–122, Apr 76 (108 ref.)
Thyroid carcinoma in a horse. Joyce JR, et al. **J Am Vet Med Assoc** 168(7):610–2, 1 Apr 76
Calcinosis in sheep associated with C-cell adenoma of the thyroid. Neumann F, et al. **Vet Med Small Anim Clin** 70(10):1209–12, Oct 75

THYROID STIMULATING HORMONE see **THYROTROPIN**

THYROID STIMULATOR, LONG-ACTING see **LONG-ACTING THYROID STIMULATOR**

THYROIDECTOMY

Effect of triiodothyronine treatment, thyroparathyroidectomy and mercaptoiminazole treatment on enchondral bone growth. Changes in the histological structure of the growth organ. Lévai G, et al. **Acta Morphol Acad Sci Hung** 23(1):9–19, 1975
Parathyroid morphology in gerbils after thyroidectomy and calcium administration. Boquist L, et al. **Acta Pathol Microbiol Scand [A]** 83(5):539–49, Sep 75
Ultrastructural evaluation of the interaction of glucocorticoids and vitamin D on bone cells in thyroparathyroidectomized rats. Weisbrode SE, et al. **Am J Pathol** 84(3):457–68, Sep 76
Total thyroidectomy in the management of Graves' disease. A review of 282 cases. Perzik SL. **Am J Surg** 131(3):284–7, Mar 76
Hazards in use of anode endotracheal tube a case report and review. Ng TY, et al. **Anesth Analg (Cleve)** 54(6):710–4, Nov–Dec 75
Recurrent hyperthyroidism after thyroidectomy. Hamburger JI. **Arch Surg** 111(1):91–2, Jan 76
Liver protein synthesis. Molecular weight distribution of pulse-labeled polypeptide chains in normal and thyroidectomized rats. Mathews RW, et al. **Biochim Biophys Acta** 425(2):220–8, 4 Mar 76
Thyroidectomy stimulates incorporation of (3H)cytidine into RNA in the arcuate nucleus of rat hypothalamus. George JM. **Brain Res** 99(1):179–83, 28 Nov 75
In utero fetal lamb thyroidectomy and thyroid autograft transplantation. Belin RP, et al. **Endocr Res Commun** 3(2):133–44, 1976
Investigation of luteinizing-inducing effect of pinealectomy or thyroidectomy in different types of anovulatory

syndromes in rats. Kovács L, et al. **Endocrinol Exp (Bratisl)** 10(2):83–90, Jun 76

Changes of glucose metabolism after thyroidectomy in chequered water snake (Natrix piscator). Thapliyal JP, et al. **Endocrinol Exp (Bratisl)** 9(1):73–6, Jan 75

Sequential stimulation of nuclear RNA polymerase activities in livers from thyroidectomized rats treated with triiodothyronine. Viarengo A, et al. **Endocrinology** 97(4):955–61, Oct 75

Effect of endocrine manipulation on graft rejection. Bilder GE. **Immunol Commun** 5(3):163–79, 1976

Effect of thyroidectomy and in vivo administration of triiodothyronine on DNA synthesis in isolated mitochondria. Liverini G, et al. **Ital J Biochem** 25(2):115–26, Mar–Apr 76

DNA synthesis in isolated mitochondria: effect of thyroidectomy and of triiodothyronine administration in vivo. Liverini G, et al. **Ital J Biochem** 25(3):236–44, May–Jun 76

Inorganic phosphate homeostasis. Renal adaptation to the dietary intake in intact and thyroparathyroidectomized rats. Tröhler U, et al. **J Clin Invest** 57(2):264–73, Feb 76

Effect of mannitol on phosphate transport in intact and acutely thyroparathyroidectomized rats. Maesaka JK, et al. **J Lab Clin Med** 87(4):680–91, Apr 76

Total thyroidectomy in Graves' disease in children. Perzik SL. **J Pediatr Surg** 11(2):191–4, Apr 76

Experience in the surgical treatment of diseases of the thyroid gland. Molina JE, et al. **J Surg Oncol** 7(5):427–34, 1975

Letter: Levothyroxine dosage after thyroidectomy for metastatic papillary cancer. Caplan H. **JAMA** 236(5):448, 2 Aug 76

Surgery of the thyroid. Thomas CG Jr. **Med Clin North Am** 59(5):1247–60, Sep 75 (24 ref.)

Total thyroidectomy for cancer of the thyroid. Paloyan E, et al. **Proc Inst Med Chic** 30(7):225, Apr–Jun 75

Effect of thyroparathyroidectomy and of a low calcium diet on the cardiomyopathy of the Syrian hamster. Jasmin G, et al. **Recent Adv Stud Cardiac Struct Metab** 10:717–29, 1975

Remnant function after subtotal thyroidectomy for Graves' disease. Bradley EL 3d, et al. **South Med J** 68(10):1245–8, Oct 75

Effect of iodide on compensatory goiter in rats following hemithyroidectomy. Clark OH, et al. **Surg Forum** 26:182–4, 1975

Total thyroidectomy and parathyroid autotransplantation for radiation-associated thyroid cancer. Paloyan E, et al. **Surgery** 80(1):70–6, Jul 76

[The hemorrhagic risk in surgery of the thyroid gland] Blondeau P, et al. **Ann Chir** 29(6):519–27, Jun 75 (Eng. Abstr.) **(Fre)**

[The external laryngeal nerve. Possible danger of thyroid surgery. Study of surgical anatomy (author's transl)] Menasche P, et al. **Ann Chir** 30(2):121–9, Feb 76 (Eng. Abstr.) **(Fre)**

[Effects of thyroidectomy of the rat on the structure and functions of skeletal muscle mitochondria] Bouhnik J, et al. **Biochimie** 57(6–7):779–86, 1975 (Eng. Abstr.) **(Fre)**

[Early recognition of relapse hazards following thyroidectomy using TSH serum level] Erdt A, et al. **Langenbecks Arch Chir** Suppl:465–7, 1975 (Eng. Abstr.) **(Ger)**

[Evaluation of reliable pituitary suppression therapy through varying thyroid hormone dosage following total thyroidectomy due to a differentiated thyroid carcinoma] Wahl R, et al. **Langenbecks Arch Chir** Suppl:469–74, 1975 (Eng. Abstr.) **(Ger)**

[Behavior of the TSH level in thyroidectomized patients after thyrotropin releasing hormone (TRH)] Piaszek L, et al. **Nucl Med (Stuttg)** 15(1):43–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Principals of hormone substitution in thyrectomized patients with carcinoma of the thyroid gland (author's transl)] Hüfner M, et al. **Radiologe** 15(6):245–50, Jun 75 (Eng. Abstr.) **(Ger)**

[Phosphorylation of the acid proteins of chromatin in hepatocytes of thyroidectomized rats treated with 3,5,3'-triiodo-L-thyronine] Fugassa E, et al. **Boll Soc Ital Biol Sper** 51(5):233–8, 15 Mar 75 **(Ita)**

[Postoperative management following thyroidectomy and TRH test] Goto H, et al. **Clin Endocrinol (Tokyo)** 23(3):251–4, Mar 75 **(Jpn)**

[Effect of thyroidectomy and thyroxine on cell proliferation in the anterior pituitary gland] Stepień H. **Endokrynol Pol** 26(6):613–9, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Prevention and therapy of postoperative thyrotoxic crisis] Lazăr C, et al. **Rev Chir [Chir]** 25(2):89–96, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

[Thyroid regeneration in dogs following its resection] Korolev RV. **Biull Eksp Biol Med** 81(1):64–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Hemodynamics in an experimental postoperative thyrotoxic crisis] Nelmark MI. **Eksp Khir Anesteziol** (2):83–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Prevention of hypoparathyroidism after thyroidectomy by intravital staining of the parathyroid glands with toluidine blue O] Cherenko MP. **Klin Khir** (7):5–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Mechanism of increased resistance of thyroidectomized rats to the blastomogenous effect of 9,10-dimethyl-1,2-benzanthracene in cerebellum] Berezov TT, et al. **Vopr Med Khim** 21(4):359–63, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The effect of 11-deoxycortiocosterone acetate on the antitumor activity of prospidin] Kravchenko AI, et al. **Vopr Onkol** 21(12):33–7, 1975 (Eng. Abstr.) **(Rus)**

[Cure of bronchial asthma syndrome after surgical operations] Khokholia VP. **Vrach Delo** (3):104–5, Mar 74 **(Rus)**

[The effect of aminazin on catecholamine concentration in the brain and adrenal glands of normal and thyroidectomized rabbits] Nahnybida NM. **Fiziol Zh** 20(3):351–7, May–Jun 74 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Rare complications of thyroid surgery. Harlaftis N, et al. **Am Surg** 42(9):645–7, Sep 76

Serum thyrotrophin concentration: an unreliable test for detection of early hypothyroidism after thyroidectomy. Hennemann G, et al. **Br Med J** 4(5989):129–30, 18 Oct 75

The effect of thyroparathyroidectomy: development of disuse osteoporosis in adult rats. Lindgren U. **Clin Orthop** (118):251–6, Jul–Aug 76

Complications in neck and thyroid surgery. Henson RE. **J Am Osteopath Assoc** 75(1):61–4, Sep 75

[Therapeutic hypothyroidism] Dry J, et al. **Sem Hop Ther** 51(2):113–5, Feb 75 **(Fre)**

[Postoperative hypoparathyroidismus] Gossmann HH, et al. **Internist (Berlin)** 17(6):276–81, Jun 76 **(Ger)**

[Present-day problems of thyroidectomy] Fibak. **Endokrynol Pol** 26(6):627–33, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Damage of the cervical part of the sympathetic trunk following surgery on the thyroid gland] Noczyński L, et al. **Pol Przegl Chir** 48(7):883–7, Jul 76 (Eng. Abstr.) **(Pol)**

[Thyroid crisis as a result of the inability to control hyperthyroidism prior to surgical treatment] Gąsiorowski W, et al. **Pol Tyg Lek** 31(13):525–7, 29 Mar 76 (Eng. Abstr.) **(Pol)**

METHODS

Preservation of parathyroid glands during total thyroidectomy. Improved technic utilizing microsurgery. Attie JN, et al. **Am J Surg** 130(4):399–404, Oct 75

A medial approach to thyroidectomy. Rush BF Jr, et al. **Am J Surg** 130(4):430–2, Oct 75

Technique of total thyroid lobectomy. Akin JT Jr, et al. **Am Surg** 42(9):648–52, Sep 76

Thyroidectomy for non-familial medullary carcinoma. Roediger WE. **Br J Surg** 63(5):343–5, May 76

A technique for thyroidectomy. Esselstyn CB Jr. **Surg Clin North Am** 55(5):1031–45, Oct 75

[Dissection of recurrent nerves during thyroidectomies. Description of a personal method of dissecting the nerve from its entry in the neck to its entry in the larynx] Okbi AE, et al. **Chirurgie** 101(11):811–23, Nov 75 (Eng. Abstr.) **(Fre)**

[Cancer of the thyroid gland. Extended thyroidectomy] Andre P. **J Fr Otorhinolaryngol** 23(9):797–8, 801, 803, Nov 74 **(Fre)**

[Cancer of the thyroid gland. Extracapsular lobectomy] DeJean Y. **J Fr Otorhinolaryngol** 23(9):791–2, 795, Nov 74 **(Fre)**

[Microsurgical thyroidectomy with preserving of the parathyroid glands in rats] Schwille PO, et al. **Z Versuchstierkd** 17(5–6):304–7, 1975 (Eng. Abstr.) **(Ger)**

[Local anesthesia with neuroleptoanalgesia during surgery in thyrotoxicosis] Pastukhov NA, et al. **Eksp Khir Anesteziol** (3):77–80, May–Jun 75 (Eng. Abstr.) **(Rus)**

THYROIDITIS

Subacute thyroiditis. Eleven cases with histological confirmation and thyrotrophic response to thyrotrophin releasing hormone. Lebacq EG, et al. **Acta Endocrinol (Kbh)** 1(4):707–15, Apr 76

Letter: Natural course of symptomless autoimmune thyroiditis. Fowler PB, et al. **Lancet** 1(7953):247–8, 31 Jan 76

Natural course of symptomless autoimmune thyroiditis. Gordin A, et al. **Lancet** 2(7947):1234–8, 20 Dec 75

De Quervain's subacute thyroiditis. A report on 14 cases and a review of the literature. de Pauw BE, et al. **Neth J Med** 18(2):70–8, 1975 (55 ref.)

[Quervain-Crile type subacute thyroiditis. (apropos of 24 personal cases)] Cadoz M, et al. **Cah Med** 15(14):911–6, 15 Dec 74 **(Fre)**

[Certain problems of clinical course and treatment of chronic thyroiditis] Semenov VS, et al. **Khirurgiia (Mosk)** (12):75–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Subacute de Quervain's thyroiditis] Zaporozhets VK, et al. **Vrach Delo** (7):127–9, Jul 75 **(Rus)**

BLOOD

[Proceedings: Pituitary thyroid axis in subacute thyroiditis (author's transl)] Berthezène F, et al. **Ann Endocrinol (Paris)** 36(3):169–70, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Changes of serum thyrotropic hormone levels in patients with an acute thyroiditis (author's transl)] Doleček R, et al. **Cas Lek Cesk** 114(37):1151–2, 12 Sep 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Letter: Myasthenia and autoimmune thyroiditis during rheumatoid polyarthritis treated by D-penicillamine] Delrieu F, et al. **Nouv Presse Med** 4(40):2890(1), 22 Nov 75 **(Fre)**

CLASSIFICATION

Letter: The various forms of thyroiditis. **N Engl J Med** 294(1):52–4, 1 Jan 76

COMPLICATIONS

Occlusive phlebitis in multifocal fibrosclerosis. Meyer S, et al. **Am J Clin Pathol** 65(3):274–83, Mar 76

Multifocal fibrosis involving the thyroid, face, and orbits. Amorosa LF, et al. **Arch Intern Med** 136(2):221–3, Feb 76

A case of idiopathic Addison's disease and probable autoimmune thyroiditis in a mongol. Reid AH, et al. **J Ment Defic Res** 19(3–4):205–8, Sep–Dec 75

Letter: Thyroiditis and congenital rubella syndrome. Nieburg PI, et al. **J Pediatr** 89(1):156, Jul 76

Sarcoidosis with thyroid involvement, polymyalgia rheumatica and breast carcinoma. A case report. von Knorring J, et al. **Scand J Rheumatol** 5(2):77–80, 1976

[Primary biliary cirrhosis with scleroderma and hypothyroidism] De Graaf P, et al. **Tijdschr Gastroenterol** 18(3):151–60, 1975 **(Dut)**

[Hyperthyreosis, thyroiditis and severe hypercalcemia] Morin M, et al. **Ann Med Interne (Paris)** 126(5):387–82, May 75 **(Fre)**

[Acute pyogenic thyroiditis and thyroid abscess] Lafaye M, et al. **J Fr Otorhinolaryngol** 24(4):291–8, Apr 75 **(Fre)**

[A case of idiopathic Addison's disease with chronic thyroiditis and ovarian dysfunction (author's transl)] Ofuji N, et al. **J Jpn Soc Intern Med** 64(7):676–82, 10 Jul 75 **(Jpn)**

[Acute pulmonary fibrosis--an autopsy case with chronic thyroiditis, wire loop glomerular lesions and follicle formation in the thymus] Furuta M, et al. **Jpn J Clin Med** 33(11):3327–30, 10 Nov 75 **(Jpn)**

DIAGNOSIS

Thyrotoxicosis with painless thyroiditis. Woolf PD, et al. **Am J Med** 60(1):73–9, Jan 76

Orbital involvement in Riedel's struma. Schneider RJ. **Can J Ophthalmol** 11(1):87–90, Jan 76

Clinical value of the thyrotropin-releasing hormone stimulation test in predicting mild hypothyroid state in chronic thyroiditis. Takeda R, et al. **Endokrinologie** 65(2):171–6, 1975

Letter: 'Joggers' toxicosis'. Arons DL. **N Engl J Med** 295(4):233, 22 Jul 76

Painless subacute thyroiditis simulating Graves' disease. Blonde L, et al. **West J Med** 125(1):75–78, Jul 76

[Subacute thyroiditis] Papazov G, et al. **Vutr Boles** 14(6):51–6, 1975 (Eng. Abstr.) **(Bul)**

[de Quervain's thyroiditis] Schatz H. **Dtsch Med Wochenschr** 100(46):2377–80, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Anaplastic thyroid carcinoma simulating acute supparatine thyroiditis] Schumann J. **Med Welt** 27(33):1523–5, 13 Aug 76 **(Ger)**

[Chronic thyroiditis and its importance in oncological surgery] Chiricuță I, et al. **Rev Chir [Chir]** 24(4):257–66, Jul–Aug 75 **(Rum)**

[Difficulties in diagnosis and surgical treatment of subacute and chronic thyroiditis] Georgescu T, et al. **Rev Chir [Chir]** 24(4):267–72, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Candida thyroiditis--treated with 5 fluoro-cytosine. Robinson MF, et al. **Aust NZ J Med** 5(5):472–4, Oct 75

Reversal of experimental allergic thyroiditis in cyclophosphamide-treated rats. Paterson PY, et al. **Clin Exp Immunol** 20(1):125–9, Apr 75

Lymphocyte transformation in response to human thyroid extract in patients with subacute thyroiditis. Wall JR, et al. **J Clin Endocrinol Metab** 43(3):587–90, Sep 76

ETIOLOGY

Palpation thyroiditis (multifocal granulomatour folliculitis). Carney JA, et al. **Am J Clin Pathol** 64(5):639–47, Nov 75

Thyroiditis: current views of pathogenesis. Volpé R. **Med Clin North Am** 59(5):1163–75, Sep 75 (99 ref.)

FAMILIAL & GENETIC

Pathology and familial incidence of orchitis and its relation to thyroiditis in a closed beagle colony. Fritz TE, et al. **Exp Mol Pathol** 24(2):142–58, Apr 76

IMMUNOLOGY

A comparison of autoimmunity and experimental allergic thyroiditis in strain 2 and Hartley strain guinea pigs. McMaster PR, et al. **Cell Immunol** 14(1):39–45, Oct 74

Susceptibility of inbred rat strains to experimental thyroiditis: quantitation of thyroglobulin-binding cells and assessment of T-cell function in susceptible and non-susceptible strains. Penhale WJ, et al. **Clin Exp Immunol** 19(1):179–91, Jan 75

Thyroiditis in T cell-depleted rats. Influence of strain, radiation dose, adjuvants and antilymphocyte serum. Penhale WJ, et al. **Clin Exp Immunol** 21(3):362-75, Sep 75

Local production of immunoglobulin in the thyroid gland of obese strain (OS) chickens. Schauenstein K, et al. **Clin Exp Immunol** 17(4):637-46, Aug 74

Humoral and cell-mediated immunity in experimental progressive thyroiditis in rabbits. Weigle WO, et al. **Clin Exp Immunol** 21(3):351-61, Sep 75

In vitro adherence of nonsensitized cells to antibody-coated thyroid tissue in autoimmune thyroiditis. Pinedo C, et al. **Clin Immunol Immunopathol** 5(1):6-11, Jan 76

Autoimmune murine thyroiditis VII: induction of the thyroid lesions by passive transfer of immune serum. Tomazic V, et al. **Clin Immunol Immunopathol** 4(4):511-8, Nov 75

Autoimmune murine thyroiditis. VIII. Role of different thyroid antigens in the induction of experimental autoimmune thyroiditis. Tomazic V, et al. **Immunology** 30(1):63-8, Jan 76

Selective IgA deficiency in chickens with spontaneous autoimmune thyroiditis. Luster MI, et al. **Nature** 263(5575):331, 23 Sep 76

Spontaneous autoimmune thyroiditis in animals as a model of human disease. Bigazzi PE, et al. **Prog Allergy** 19:245-74, 1975 (161 ref.)

The HL-A system and subacute thyroiditis. A preliminary report. Nyulassy S, et al. **Tissue Antigens** 6(2):105-6, Aug 75

Genetic determinants of thyroiditis in the OS chicken. Rose NR, et al. **Transplant Rev** 31:264-85, 1976 (51 ref.)

[Experimental thyreoiditis. A contribution to solving its pathogenesis (author's transl)] Engelberth O, et al. **Cas Lek Cesk** 114(34-35):1040-4, 29 Aug 75 (Eng. Abstr.) **(Cze)**

[The clinical serological tests in chronic thyroiditis: the importance of measurement of anti-thyroid microsomal antibodies (author's transl)] Amino N, et al. **Jpn J Clin Pathol** 23(6):445-8, Jun 75 **(Jpn)**

METABOLISM

Delayed adjustment of the pituitary response to variations in circulating thyroid hormones in a case of subacute thyroiditis. Demeester-Mirkine N, et al. **Clin Endocrinol (Oxf)** 5(1):9-13, Jan 76

Carbohydrate tolerance in autoimmune thyroiditis. Finucane JF. **Diabetes** 24(9):829-32, Sep 75

OCCURRENCE

[Thyroiditis and tumors of the thyroid gland. Clinico-statistical study] Lodi A, et al. **Folia Endocrinol (Roma)** 27(1):123-6, Feb 74 **(Ita)**

[The extent of the swelling of the thyroid gland and analysis of anti-thyroid autoantibody among high-school students] Niimi T, et al. **Clin Endocrinol (Tokyo)** 23(8):805-7, Aug 75 **(Jpn)**

PATHOLOGY

Virus-like particles in the follicular epithelium of the thyroid from a patient with subacute thyroiditis (De Quervain). Sato M. **Acta Pathol Jpn** 25(4):499-501, Jul 75

Ultrastructure of the giant cell in de Quervain's subacute thyroiditis. Satoh M. **Acta Pathol Jpn** 26(1):133-7, Jan 76

'Silent thyroiditis' versus thyrotoxicosis factitia. Hofeldt FD, et al. **Minn Med** 59(6):380-2, Jun 76

[Surprises in anatomo-pathology] Vergnon L, et al. **Ann Otolaryngol Chir Cervicofac** 92(7-8):430-2, Jul-Aug 75 **(Fre)**

PHYSIOPATHOLOGY

[Regulatory circle of the thyroid gland in thyroiditis] Doepp M. **Med Welt** 27(8):341-6, 20 Feb 76 **(Ger)**

[Studies on hypophyseo-thyroid function in patients with chronic thyroiditis (author's transl)] Miyoshi M. **Folia Endocrinol Jpn** 51(4):193-202, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[The effect of thyrotropic hormone on processes mediating the cytotoxicity of antithyroid antibodies] Faizullaeva ShF, et al. **Probl Endokrinol (Mosk)** 22(3):56-7, May-Jun 76 (Eng. Abstr.) **(Rus)**

THYROIDITIS, LYMPHOMATOUS

[Lymphomatous thyroiditis in children] Semenov VN, et al. **Vopr Okhr Materin Det** 19(3):83-5, Mar 74 **(Rus)**

BLOOD

[Clinical studeis on the regulatory system of thyroid hormone secretion and serum triiodothyronine. Part III. Studies on thyroid hormone change and its relationship when TSH in cases with subclinical hypothyroidism (Hashimoto's thyroiditis and 131I treated Graves' disease). Takeda Y. **Folia Endocrinol Jpn** 51(2):85-97, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Transient hypothyroidism after delivery in autoimmune thyroiditis. Amino N, et al. **J Clin Endocrinol Metab** 42(2):296-301, Feb 76

Polyradicular neuritis and Hashimoto's thyroiditis. Potz G, et al. **J Neurol** 210(4):283-9, 24 Oct 75

Letter: Congenital rubella and acquired hypothyroidism secondary to Hashimoto thyroiditis. Comas AP. **J Pediatr** 88(6):1065-6, Jun 76

Carbohydrate homeostasis in chronic lymphocytic thyroiditis: increased incidence of diabetes mellitus. Winter RJ, et al. **J Pediatr** 89(3):401-5, Sep 76

Breast cancer in patients with Hashimoto's thyroiditis. Ito K, et al. **Lancet** 2(7945):1119-21, 6 Dec 75

Letter: Hashimoto's disease, encephalopathy, and splenic atrophy. Jellinek EH, et al. **Lancet** 1(7971):1248, 5 Jun 76

Letter: Breast cancer and Hashimoto thyroiditis. Kurland LT, et al. **Lancet** 1(7963):808, 10 Apr 76

Hashimoto's thyroiditis and breast cancer. Maruchi N, et al. **Mayo Clin Proc** 51(5):263-5, May 76

[Edematous exophthalmus and hypothyroidism due to Hashimoto's thyroiditis] Bonnet M, et al. **Bull Soc Ophtalmol Fr** 75(11):1021-4, Nov 75 **(Fre)**

[An autopsy case of diffuse intersitial pulmonary fibrosis associated with Hashimoto's thyroiditis (author's transl)] Yamaguchi K, et al. **J Jpn Soc Intern Med** 63(12):1428-35, 10 Dec 74 **(Jpn)**

[Association of chronic Hashimoto's thyroiditis with collagen diseases in children] Dats-Epshtein MS, et al. **Pediatriia** (7):73-4, Jul 75 **(Rus)**

DIAGNOSIS

Immunoelectro-osmophoresis and the rapid diagnosis of Hashimoto's disease. McElborough DJ. **Med Lab Technol** 31(3):221-3, Jul 74

[Hashimoto's disease (author's transl)] Torizuka K. **Jpn J Clin Pathol** 23(4):250-5, Apr 75 **(Jpn)**

[Scintillographic diagnosis] Neto GA. **Rev Assoc Med Bras** 21(6):201-2, Jun 75 **(Por)**

[Clinico-radiological parallels in surgical treatment of Hashimoto's thyroiditis] Romaniuk NI. **Klin Khir** (9):21-4, 1975 (Eng. Abstr.) **(Rus)**

[Hashimoto's thyroiditis of pseudotumoral aspect] Olóriz J. **An Otorrinolaringol Ibero Am** 2(6):52-63, 1975 (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Incidence of Hashimito's goiter in treated diabetic patients] Ryšavý F, et al. **Cas Lek Cesk** 115(26):797-800, 2 Jul 76 **(Cze)**

IMMUNOLOGY

Letter: Autoimmune thrombocytopenia purpura and Hashimoto's thyroiditis. Crabtree GR, et al. **Ann Intern Med** 83(3):371-2, Sep 75

Differential effect of cold agglutinins on lymphocytes from patients with Graves' disease and Hashimoto's thyroiditis. Farid NR, et al. **Cell Immunol** 22(2):394-8, 15 Mar 76

Local production of immunoglobulin in the thyroid gland of obese strain (OS) chickens. Schauenstein K, et al. **Clin Exp Immunol** 17(4):637-46, Aug 74

Peripheral blood T and B lymphocytes in patients with thyrotoxicosis and Hashimoto's thyroiditis and in normal subjects. A comparison of lymphocyte separation methods. Urbaniak SJ, et al. **Clin Exp Immunol** 18(4):449-59, Dec 74

Peripheral blood T and B lymphocytes in patients with thyrotoxicosis and Hashimoto's thyroiditis and in normal subjects. A comparison of lymphocyte separation methods. Urbaniak SJ, et al. **Clin Exp Immunol** 18(4):449-59, Dec 74

Thyrogastric autoimmune disease. Studies on the cell-mediated immune system and histocompatibility antigens. Whittingham S, et al. **Clin Exp Immunol** 19(2):289-99, Feb 75

HL-A antigens in Graves' disease and Hashimoto's thyroiditis. Farid NR, et al. **Int Arch Allergy Appl Immunol** 49(6):837-42, 1975

Abnormal response to minor histocompatibility antigens in Obese strain chickens. Jakobisiak M, et al. **Proc Natl Acad Sci USA** 73(8):2877-80, Aug 76

METABOLISM

Increased 131I uptake by the thyroid glands of Obese strain (OS) chickens derived from non-Protamone-supplemented hens. Sundick RS, et al. **Clin Exp Immunol** 18(1):127-39, Sep 74

Iodoamino acid content and distribution in normal and abnormal human thyroids. Volpert EM, et al. **J Clin Endocrinol Metab** 41(3):446-52, Sep 75

OCCURRENCE

High incidence of chronic lymphocytic thyroiditis in apparently healthy school children: epidemiological and clinical study. Inoue M, et al. **Endocrinol Jpn** 22(6):483-8, Dec 75

[Epidemiological study of chronic thyroiditis among high school students] Niimi H, et al. **Clin Endocrinol (Tokyo)** 23(9):923-5, Sep 75 **(Jpn)**

[Hashimoto's thyroiditis: its frequency in our area] Ribera Casado JM. **Rev Clin Esp** 139(5):437-40, 15 Dec 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Nuclear size classes in the follicular epithelium of lymphoid thyroiditis. Nilsson G. **Acta Pathol Microbiol Scand [A]** 84(2):165-71, Mar 76

Thymus in Hashimoto's disease and focal chronic lymphoid thyroiditis. Shimabukuro K, et al. **Keio J Med** 24(4):275-87, Dec 75

Spontaneous development of autoimmune thyroiditis in neonatally thymectomized mice. Kojima A, et al. **Lab Invest** 34(6):550-7, Jun 76

PREVENTION & CONTROL

Prevention of postthymectomy autoimmune thyroiditis in mice. Kojima A, et al. **Lab Invest** 34(6):601-5, Jun 76

SURGERY

[Why are some cases of Hashimoto's thyroiditis operated on? Apropos of a series of cases] Tourneur R, et al. **Minerva Med** 66(77):4048-52, 14 Nov 75 (Eng. Abstr.) **(Ita)**

THYRONINE

[Quantum chemical computations of the conformative structure of conjugated biomolecules. 5. Quantum chemical computations of the conformative structure of conjugated compounds] Hofmann HJ, et al. **Pharmazie** 30(9):585-8, Sep 75 **(Ger)**

ANALOGS & DERIVATIVES

Isopropyldiiodothyronine and alpha-methylthyroxine: comparison of their in vitro and in vivo effects with those of thyroid hormones. Zenker N, et al. **Biochem Pharmacol** 25(15):1757-62, 1 Aug 76

High-affinity binding of tetraiodothyroacetic acid by a prealbumin in normal rabbit serum. Burger A, et al. **Endocrinology** 97(4):919-23, Oct 75

A radioimmunoassay for measurement of 3,3'-L-diiodothyronine (T2). Wu SY, et al. **J Clin Endocrinol Metab** 43(3):682-5, Sep 76

ANALYSIS

Iodothyronine content of human thyroid albumin. Thomas-Morvan C. **Acta Endocrinol (Kbh)** 81(2):288-97, Feb 76

BLOOD

Separation of labelled iodide, iodoprotein, iodotyrosines, and iodothronines in serum from patients treated with iodine-131, using an improved chromatographic method. Olsen KJ, et al. **Scand J Clin Lab Invest** 36(3):269-72, May 76

PHARMACODYNAMICS

The importance of growth hormone and liothyronine in induced hypocalcaemia in hypophysectomized animals. Sorensen OH, et al. **Acta Endocrinol (Kbh)** 82(3):492-9, Jul 76

THYROTOXICOSIS see **HYPERTHYROIDISM**

THYROTROPIN

Etiological factors in osteochondritis dissecans. An experimental study into the etiological factors in osteochondritis dissecans in the canine humeral head using overloading with and without somatotropin and thyrotropin hormone treatment and mechanical trauma. Paatsama S, et al. **Acta Orthop Scand** 46(6):906-18, Dec 75

Partial reduction of disulfide bonds in the hormone-specific subunits of TSH and LH. Reeve JR, et al. **Biochem Biophys Res Commun** 67(1):149-55, 3 Nov 75

Structure and structure-function relationships in glycoprotein hormones. Pierce JG, et al. **Ciba Found Symp** 41:225-50, 1976 (53 ref.)

The effects of ovariectomy, estrogen replacement, and neuraminidase treatment on the properties of the adenohypophysial glycoprotein hormones of the Rhesus monkey. Peckham WD, et al. **Endocrinology** 98(4):1054-60, Apr 76

Porcine thyrotropin. The amino-acid sequence of the alpha and beta subunits. Maghuin-Rogister G, et al. **Eur J Biochem** 61(1):157-63, 2 Jan 76

Thyrotropin-like activity of thyroid RNA in vitro. pp. 86-9. Mu J. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.**

Structure of an exophthalmos-producing factor derived from thyrotropin by partial pepsin digestion. Kohn LD, et al. **J Biol Chem** 250(16):6503-8, 25 Aug 75

Gonadotropins and their subunits: basic and clinical studies. Vaitukaitis JL, et al. **Recent Prog Horm Res** 32:289-331, 1976 (103 ref.)

Clinical usefulness of radioimmunoassay of thyrotropin: a review. Broughton A. **South Med J** 69(6):702-4, Jun 76 (0 ref.)

ADMINISTRATION & DOSAGE

[Variation of the thyrotropin-releasing-hormone (TRH) stimulated thyrotropin (TSH) response in comparison with the tyhroid-gland-suppression test and the triiodothyronine (T3) and thyroxine (T4) blood levels in the so-called euthyroid endocrine ophthalmopathy] Wenzel KW.

Endokrinologie 66(1):67–73, Sep 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

The use of microfilters as an alternative to centrifugation in radioimmunoassay. Chalkley SR, et al. **Clin Chim Acta** 62(3):377–84, 4 Aug 75

An acrylamide gel recombination assay for glycoprotein hormone subunits. Schlaff S. **Endocrinology** 98(2):527–33, Feb 76

Differences in the carbohydrate portion of the alpha subunit of porcine lutropin (LH), follitropin (FSH) and thyrotropin (TSH). Maghuin-Rogister G, et al. **FEBS Lett** 60(2):263–6, 15 Dec 75

Gel filtration profile of circulating immunoreactive thyrotropin and subunits of myxedematous sera. Golstein-Golaire J, et al. **J Clin Endocrinol Metab** 41(3):575–80, Sep 75

Thyroid hormones and thyrotropin in amniotic fluid. Chopra IJ, et al. **N Engl J Med** 293(15):740–3, 9 Oct 75

Letter: Fetal hypothyroidism and amniotic-fluid TSH. George WF, et al. **N Engl J Med** 294(1):52, 1 Jan 76

Cell separation of experimental thyrotrophic pituitary tumors. Bursick DM, et al. **Surg Forum** 26:495–6, 1975

[Radioreceptor assay of TSH] Torizuka K, et al. **Jpn J Clin Med** 34(3):471–6, 1976 (24 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

On the mechanism of inhibition by iodine of the thyroid adenylate cyclase response to thyrotropic hormone. Rapoport B, et al. **Endocrinology** 99(1):11–22, Jul 76

In vivo inhibition of gonadotropins and thyrotropin in the chick by extracts of Lithospermum ruderale. Breneman WR, et al. **Gen Comp Endocrinol** 28(1):24–32, Jan 76

The effect of somatostatin on TSH levels in patients with primary hypothyroidism. Lucke C, et al. **J Clin Endocrinol Metab** 41(06):1082–4, Dec 75

[Evaluation of reliable pituitary suppression therapy through varying thyroid hormone dosage following total thyroidectomy due to a differentiated thyroid carcinoma] Wahl R, et al. **Langenbecks Arch Chir** Suppl:469–74, 1975 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Advances in the knowledge on placental thyrotrophin. Rościszewska A. **Mater Med Pol** 7(4):341–3, Oct–Dec 75

The effect of hypothalamic lesions on thyroid-stimulating hormone concentration in the chicken pituitary. Egge AS, et al. **Poult Sci** 54(5):1628–30, Sep 75

BLOOD

Normal response to thyrotrophin releasing hormone (TRH) in familial thyroxine-binding globulin deficiency. Hansen E, et al. **Acta Endocrinol (Kbh)** 80(2):279–301, Oct 75

Influence of suckling and of suckling followed by TRH or LH-RH on plasma prolactin, TSH, GH and FSH. Jeppsson S, et al. **Acta Endocrinol (Kbh)** 82(2):246–53, Jun 76

Thyroid iodine uptake, thyroid iodine secretion and plasma TSH levels in male rats during the day and night. Pallardo LF, et al. **Acta Endocrinol (Kbh)** 82(3):517–29, Jul 76

Effects of dexamethasone on thyrotrophin and prolactin plasma levels in rats. Schwinn G, et al. **Acta Endocrinol (Kbh)** 82(3):486–91, Jul 76

Pulsatile secretion of ACTH, GH, LH and TSH in man. Leppäluoto J, et al. **Acta Physiol Scand** 95(4):470–6, Dec 75

Observations on the automated calculation of radioimmunoassay results. Challand GS, et al. **Ann Clin Biochem** 13(2):354–60, Mar 76

Serum TSH measurement in children with thyroid disorders. Barnes ND. **Arch Dis Child** 50(7):497–9, Jul 75

Raised serum TSH in hypothyroidism. Hamilton W, et al. **Arch Dis Child** 50(7):567–9, Jul 75

Thyrotrophin estimation in diagnosis and treatment of childhood thyroid disorders. Jackson D, et al. **Arch Dis Child** 50(7):522–5, Jul 75

Serum tri-iodothyronine, thyroxine, and thyrotrophin concentrations in newborns during the first 2 days of life. Similä S, et al. **Arch Dis Child** 50(7):565–7, Jul 75

Physiological role of somatostatin in the control of growth hormone and thyrotropin secretion. Ferland L, et al. **Biochem Biophys Res Commun** 68(1):149–56, 12 Jan 76

Proceedings: Thyroid stimulating hormone levels in atrial dysrhythmias. Myers A, et al. **Br Heart J** 38(3):314, Mar 76

Serum thyrotrophin concentration: an unreliable test for detection of early hypothyroidism after thyroidectomy. Hennemann G, et al. **Br Med J** 4(5989):129–30, 18 Oct 75

Comparison between human 125I-labelled TSH labelled with lactoperoxidase or chloramine-T; advantages in the use of enzymically labelled antigen in a radioimmunoassay for human TSH. Burrin JM. **Clin Chim Acta** 70(1):153–9, 1 Jul 76

Enzyme-linked immunoassay of thyrotropin. Miyai K, et al. **Clin Chim Acta** 67(3):263–8, 15 Mar 76

A comparative study of avian and rat patterns in thyroid function-II. Plasma protein-bound iodine and thyroid hormone secretion. Astier H. **Comp Biochem Physiol [A]** 52(1):9–17, 1 Sep 75

Increase in basal and thyrotropin-releasing hormone (TRH)-stimulated secretion of thyrotropin (TSH) by passive immunization with antiserum to somatostatin in rats. Arimura A, et al. **Endocrinology** 98(4):1069–72, Apr 76

Changes in plasma thyroxine, triiodothyronine, and TSH during adaptation to iodine deficiency in the rat. Fukuda H, et al. **Endocrinology** 97(2):307–14, Aug 75

The effect of basal hypothalamic deafferentation on the nycthemeral rhythm of plasma TSH. Fukuda H, et al. **Endocrinology** 97(3):749–52, Sep 75

Changes in plasma thyrotrophin, thyroxine, and triiodothyronine after acute or chronic administration of iodide to iodine-deficient rats. Fukuda H, et al. **Endocrinology** 97(5):1196–204, Nov 75

Nyctohemeral and sex-related variations in plasma thyrotropin, thyroxine and triiodothyronine. Fukuda H, et al. **Endocrinology** 97(6):1424–31, Dec 75

Effect of hypothalamic deafferentation on the secretion of thyrotropin during thyroid blockade and exposure to cold in the rat. Hefco E, et al. **Endocrinology** 97(5):1234–40, Nov 75

Pituitary-thyroid axis in neonatal and adult rats: comparison of the sexes. Kieffer JD, et al. **Endocrinology** 98(2):295–304, Feb 76

Anesthetics and thyrotropin secretion in the rat. Männistö PT, et al. **Endocrinology** 99(3):875–80, Sep 76

The response of thyrotropin and triiodothyronine to various doses of thyrotropin releasing hormone in normal man. Weeke J. **Eur J Clin Invest** 5(6):447–53, 21 Nov 75

Thyroid function levels and thyrotropin responses to TRH administration in manic patients receiving lithium carbonate. Takahashi S, et al. **Folia Psychiatr Neurol Jpn** 29(3):231–7, 1975

Triiodothyronine withdrawal-a possible test for hypothalamic-pituitary-throid adequacy. de Vries HP, et al. **Horm Metab Res** 8(2):132–6, Mar 76

Serum TSH and prolactin levels during prolonged muscular exercise. Federspil G, et al. **Horm Metab Res** 8(4):323–4, Jul 76

Strong heat exposure and adenohypophyseal hormone secretion in man. Leppäluoto J, et al. **Horm Metab Res** 7(5):439–40, Sep 75

Effect of iodine upon the TRH induced release of TSH in euthyroid, hypothyroid and hyperthyroid individuals. Waldhäusl W, et al. **Horm Metab Res** 8(4):286–91, Jul 76

The effect of estradiol on plasma HTSH response to TRH in humans. pp. 348–53. Faglia G, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

The effect of thyrotropin releasing factor (TRF) on plasma TSH in subjects with pituitary tumors. pp. 326–31. Fleischer N, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Effects of thyroid hormone upon the human prolactin (HPr) responses to thyrotropin releasing hormone (TRH). pp. 385–90. Foley TP Jr, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

The effect of thyrotropin releasing factor (TRF) on human pituitary prolactin and thyrotropin in children and in idiopathic hypopituitary dwarfism. pp. 380–4. Kaplan SL, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Serum levels of T3, T4 and TSH after different modes of TRH administration. pp. 136–40. Loos U, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Comparison of prolactin (Pr) and thyrotropin (TSH) responses to thyrotropin releasing hormone (TRH). pp. 391–5. Synder PJ, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

A study on the possible presence of a thyrotropin serum levels rhythmicity in man. pp. 94–7. Vigneri R, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Norepinephrinergic control of TRF-TSH secretion evoked by cold stress. p. 167. Annunziato L, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

Dose-response influence of prostaglandin E and somatostatin on plasma levels of growth hormone. Prolactin and thyrotropin in sheep. Davis SL, et al. **J Anim Sci** 41(1):172–7, Jul 75

Inhibition of ovine prolactin and thyrotropin responses to thyrotropin-releasing hormone by triiodothyronine. Davis SL, et al. **J Anim Sci** 42(2):422–6, Feb 76

Influence of chronic thyrotropin-releasing hormone injections on secretion of prolactin, thyrotropin and growth hormone and on growth rate in wether lambs. Davis SL, et al. **J Anim Sci** 42(5):1244–50, May 76

Correlation of long-acting thyroid stimulator with serum levels of tri-iodothyronine, thyroxine and thyrotropin in Graves' disease. Sawhney RC, et al. **J Assoc Physicians India** 23(2):111–4, Feb 75

Hyperthyroidism in Tasmania following iodide supplementation: measurements of thyroid-stimulating autoantibodies and thyrotropin. Adams DD, et al. **J Clin Endocrinol Metab** 41(2):221–8, Aug 75

Plasma thyrotropin, thyroxine, and triiodothyronine relationships in man. Azukizawa M, et al. **J Clin Endocrinol Metab** 43(3):533–42, Sep 76

Dopamine infusion acutely inhibits the TSH and prolactin response to TRH. Besses GS, et al. **J Clin Endocrinol Metab** 41(5):985–8, Nov 75

Comparison of serum pituitary thyrotropin and chorionic gonadotropin concentrations throughout pregnancy. Braunstein GD, et al. **J Clin Endocrinol Metab** 42(6):1123–6, Jun 76

Sensitivity to lithium in treated Graves' disease: effects on serum T4, T3 and reverse T3. Burman KD, et al. **J Clin Endocrinol Metab** 43(3):606–13, Sep 76

TSH levels and TSH response to TRH as a guide to the replacement treatment of patients with thyroid carcinoma. Busnardo B, et al. **J Clin Endocrinol Metab** 42(5):901–6, May 76

Thyroid-stimulating immunoglobulins and the control of thyroid function. Clague R, et al. **J Clin Endocrinol Metab** 43(3):550–6, Sep 76

Abnormal TSH, PRL and GH response to TSH releasing factor in chronic renal failure. Czernichow P, et al. **J Clin Endocrinol Metab** 43(3):630–7, Sep 76

Changes in circulating levels of LH, FSH, LHbeta- and alpha-subunit after gonadotropin-releasing hormone, and of TSH, LHbeta- and alpha-subunit after thyrotropin-releasing hormone. Hagen C, et al. **J Clin Endocrinol Metab** 41(3):466–70, Sep 75

Prolactin and thyrotropin responses to thyrotropin-releasing hormone in patients with secondary amenorrhea: the effect of bromocriptine. Hirvonen E, et al. **J Clin Endocrinol Metab** 42(6):1024–30, Jun 76

Elevated plasma TSH and hypothyroidism in children with hypothalamic hypopituitarism. Illig R, et al. **J Clin Endocrinol Metab** 41(4):722–8, Oct 75

Effect of clonidine on growth hormone, prolactin, luteinizing hormone, follicle-stimulating hormone, and thyroid-stimulating hormone in the serum of normal men. Lal S, et al. **J Clin Endocrinol Metab** 41(5):827–32, Nov 75

Immunoassay of human TSH using dried blood samples. Larsen PR, et al. **J Clin Endocrinol Metab** 42(5):987–90, May 76

The effect of iodized oil on the TSH response to TRH in endemic goiter patients. Medeiros-Neto GA, et al. **J Clin Endocrinol Metab** 41(3):504–10, Sep 75

Effect of normal and reversed sleep-wake cycles upon nyctohemeral rhythmicity of plasma thyrotropin: evidence suggestive of an inhibitory influence in sleep. Parker DC, et al. **J Clin Endocrinol Metab** 43(2):318–29, Aug 76

A sensitive and precise radioimmunoassay for human thyroid-stimulating hormone. Pekary AE, et al. **J Clin Endocrinol Metab** 41(4):676–84, Oct 75

The effect of aspirin and indomethacin on the TRH response in man. Ramey JN, et al. **J Clin Endocrinol Metab** 43(1):107–14, Jul 76

The TSH response to thyrotropin-releasing hormone (TRH) in young adult men: intra-individual variation and relation to basal serum TSH and thyroid hormones. Sawin CT, et al. **J Clin Endocrinol Metab** 42(5):809–16, May 76

A comparison of plasma TSH levels in patients with diffuse and nodular non-toxic goiter. Toft AD, et al. **J Clin Endocrinol Metab** 42(5):973–6, May 76

Effects of morphine on serum growth hormone, cortisol, prolactin and thyroid stimulating hormone in man. Tolis G, et al. **J Clin Endocrinol Metab** 41(4):797–800, Oct 75

Effect of an oral water load on serum TSH in normal subjects, and on TSH and prolactin response to thyrotropin-releasing hormone (TRH) in patients with primary hypothyroidism. Wartofsky L, et al. **J Clin Endocrinol Metab** 41(4):784–7, Oct 75

Diural TSH variations in hypothyroidism. Weeke J, et al. **J Clin Endocrinol Metab** 43(1):32–7, Jul 76

TSH measurements from blood spots on filter paper: a confirmatory screening test for neonatal hypothyroidism. Dussault JH, et al. **J Pediatr** 89(4):550–2, Oct 76

Serum thyrotropin, prolactin, and growth hormone levels during the early neonatal period in the human infant. Sack J, et al. **J Pediatr** 89(2):298–300, Aug 76

Solitary hyperfunctioning thyroid adenoma in a child. Elevated T3 and T4 levels with normal TSH level. Taylor HC. **JAMA** 234(12):1253–5, 22 Dec 75

Triiodothyronine and thyroid-stimulating hormone in protein-calorie malnutrition in inf. nts. Ingenbleek Y, et al. **Lancet** 2(7940):845–8, 1 Nov 75

Measurement of thyroid-stimulating hormone in dried blood spot. Irie M, et al. **Lancet** 2(7947):1233–4, 20 Dec 75

Letter: Thyrotropin-releasing hormone and depression. Kirkegaard C, et al. **Lancet** 2(7882):722, 21 Sep 74

Thyrotropin levels in hyperlipidemic survivors of myocardial infarction. Green WL, et al. **Metabolism** 25(4):465–70, Apr 76

Thyroid function in changing weather in a subtropical region. Rastogi GK, et al. **Metabolism** 25(8):903–8, Aug 76

Letter: Thyrotropin determination as a screening test for neonatal hypothyroidism. Miyai K, et al. **N Engl J Med** 294(16):904, 15 Apr 76

Effect of exposure to cold on hypothalamic TRH activity and plasma levels of TSH and prolactin in the rat. Jobin M, et al. **Neuroendocrinology** 18(2):204–12, 1975

Idiopathic hypopituitarism with biologically inactive TSH. Belchetz PE. **Proc R Soc Med** 69(6):428–9, Jun 76

Congenital abnormality of pituitary-thyroid axis in

spontaneously hypertensive rats (SHR) and stroke-prone rats (SPR). Kojima A, et al. **Proc Soc Exp Biol Med** 150(3):571–3, Dec 75

The effect of prolonged lithium carbonate administration on the thyrotrophin and prolactin response to thyrotrophin-releasing hormone. Epstein S, et al. **S Afr Med J** 49(47):1977–9, 8 Nov 75

Thyroxine, triiodothyronine, and thyrotropin in serum during long-term diphenylhydantoin therapy. Liewendahl K, et al. **Scand J Clin Lab Invest** 36(2):141–4, Mar 76

[Clinical experience on the use of an original modification of radioimmunological determination of human thyreotropin in the serum (author's transl)] Müller J, et al. **Cas Lek Cesk** 114(43):1338–42, 24 Oct 75 (Eng. Abstr.) **(Cze)**

[Radioimmunoassay of serum TSH and its utilization in the differential diagnosis of hypothyroidism] Bednář J, et al. **Cesk Farm** 24(4–5):208–11, Jun 75 (Eng. Abstr.) **(Cze)**

[Response of the thyrotropic hormone after oral administration of thyrotropin releasing hormone in patients with disorders of the thyroid gland] Nedvidková J, et al. **Vnitr Lek** 22(3):278–82, Mar 76 (Eng. Abstr.) **(Cze)**

[Radioimmunologic determination of thyroid stimulating hormone. Immunological study of the system and clinical application] Vandalem JL, et al. **Acta Clin Belg** 30(6):521–37, 1975 (Eng. Abstr.) **(Fre)**

[Proceedings: Pituitary thyroid axis in subacute thyroiditis (author's transl)] Berthezène F, et al. **Ann Endocrinol (Paris)** 36(3):169–70, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Prolactinemia in primary hypothyroïdism : basal and dynamic studies—signification of galactorrhea associated with myxedema (author's transl)] Fossati P, et al. **Ann Endocrinol (Paris)** 36(3):145–51, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Biological changes in 88 cases of Basedow's disease treated by radioactive iodine] Schrub JC, et al. **Nouv Presse Med** 5(21):1346–8, 22 May 76 (Eng. Abstr.) **(Fre)**

[Effect of cigarettes on the serum levels of growth hormone and TSH in diabetics] Verdy M, et al. **Union Med Can** 104(9):1356–9, Sep 75 (Eng. Abstr.) **(Fre)**

[Changes of serum thyrotropic hormone levels in patients with an acute thyroiditis (author's transl)] Doleček R, et al. **Cas Lek Cesk** 114(37):1151–2, 12 Sep 75 (Eng. Abstr.) **(Ger)**

Cooperative study on the radioimmunological thyrotropin determination (hTSH) in serum (author's transl)] Marschner I, et al. **J Clin Chem Clin Biochem** 14(7):345–51, Jul 76 (Eng. Abstr.) **(Ger)**

[Restitution of the thyrotropic function in goiter patients after discontinuing a long-term suppression therapy with thyroid hormones] Hüfner M, et al. **Klin Wochenschr** 54(11):535–8, 1 Jun 76 (Eng. Abstr.) **(Ger)**

[Early recognition of relapse hazards following thyroidectomy using TSH serum level] Erdt A, et al. **Langenbecks Arch Chir** Suppl:465–7, 1975 (Eng. Abstr.) **(Ger)**

[Control of hypothyroidism substitution therapy using T3 and TSH serum levels with and without TRF administration] Rager K, et al. **Monatsschr Kinderheilkd** 124(5):394–5, May 76 **(Ger)**

[TSH and T4-level in newborn infants with congenital struma] Schreiber R, et al. **Monatsschr Kinderheilkd** 123(5):451–3, May 75 **(Ger)**

[Behavior of the TSH level in thyroidectomized patients after thyrotropin releasing hormone (TRH)] Piaszek L, et al. **Nucl Med (Stuttg)** 15(1):43–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Thyroid hormones and thyrotropin in liver and kidney insufficiency] Biersack HJ, et al. **Nuklearmedizin** 15(3):135–7, Jun 76 (Eng. Abstr.) **(Ger)**

[Comparative studies on the behavior of thyroid hormone levels and TSH level in the TRH-test in the course of experimental and thyreostatically treated hyperthyroidism] Hartmann KP, et al. **Verh Dtsch Ges Inn Med** 81:1559–63, 1975 **(Ger)**

[Study of thyrotropic function by the radioimmunological method in schizophrenic and oligophrenic subjects] Cedrola G, et al. **Acta Neurol (Napoli)** 29(6):691–7, Nov–Dec 74 **(Ita)**

[Thyrotropia] Vigneri R. **Ann Ist Super Sanita** 11(1–2):34–44, 1975 (Eng. Abstr.) **(Ita)**

[Neonatal thyroid function. TSH, T3 and effective thyroxine ratio (ETR) in maternal blood, umbilical cord blood and the newborn on the 1st day of life] La Cauza C, et al. **Arch E Maragliano Patol Clin** 30(1):1–11, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Changes in the TSH and thyroxine level in the serum of obese subjects following administration of TRH] Martino E, et al. **Folia Endocrinol (Roma)** 27(1):99–103, Feb 74 **(Ita)**

[Clinical use in the radioimmunologic determination of plasmatic TSH] Faggiano M, et al. **Quad Sclavo Diagn** 11(2):359–71, Jun 75 (Eng. Abstr.) **(Ita)**

[Experimental and clinical studies of TSH kit phadebas] Ishihara M, et al. **Clin Endocrinol (Tokyo)** 23(12):1227–38, Dec 75 **(Jpn)**

[Clinical studeis on the regulatory system of thyroid hormone secretion and serum triiodothyronine. Part III. Studies on thyroid hormone change and its relationship when TSH in cases with subclinical hypothyroidism (Hashimoto's thyroiditis and 131I treated Graves' disease). Takeda Y. **Folia Endocrinol Jpn** 51(2):85–97, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Stimulatory effect of prostaglandins on biosynthesis of thyroid hormones and plasma TSH levels in the rats (author's transl)] Tsuyusaki K, et al. **Folia Endocrinol Jpn** 51(3):181–92, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the clinical application of human TSH radiommunoassay] Azukizawa M, et al. **Jpn J Nucl Med** 12(4):377–84, Aug 75 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay of serum TSH in hypothalamo-pituitary dysfunctions and thyroid diseases] Miyai K, et al. **Jpn J Nucl Med** 12(4):385–92, Aug 75 (Eng. Abstr.) **(Jpn)**

[Evaluation of short-term incubation at room temperature using double antibody HTSH kit] Mori tt, et al. **Jpn J Nucl Med** 12(3):301–5, Jun 75 **(Jpn)**

[Plasma level and metabolism of TSH in rats during postnatal ontogenesis (author's transl)] Macho L, et al. **Bratisl Lek Listy** 65(1):69–76, Jan 76 (Eng. Abstr.) **(Slo)**

[Investigation of the course of the Achilles tendon reflex and plasma levels of thyrotropic hormone in treated and untreated hypothyroid female patients (author's transl)] Trejbal D, et al. **Cas Lek Cesk** 115(10):301–2, Mar 76 (Eng. Abstr.) **(Slo)**

[Thyrotropin hormone in newborn infants and young infants] Pérez Comas A. **Bol Asoc Med PR** 68(1):5–8, Jan 76 (Eng. Abstr.) **(Spa)**

[Radioinmunoassay for seric thyroid-stimulating hormone: clinical use (author's transl)] Gianetti A, et al. **Rev Med Chil** 103(2):94–7, Feb 75 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Evaluation of pituitary and thyroid disease with thyrotropin-releasing hormone (TRH). pp. 312–9. Hershman JM, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Congenital hypothyroidism in a young man with growth hormone, thyrotropin, and prolactin deficiencies. Rogol AD, et al. **J Pediatr** 88(6):953–8, Jun 76

DIAGNOSTIC USE

The thyrotropin-stimulation test in patients with solitary hot nodules of the thyroid gland. Horne T, et al. **Isr J Med Sci** 11(8):796–801, Aug 75

Letter: Value of exogenous TSH test. Staub JJ, et al. **N Engl J Med** 294(4):223–4, 22 Jan 76

[Radioimmunologic determination of serum triiodothyronine. I. Results with and without stimulation by TSH] Dessaint JP, et al. **Lille Med** 20(6):548–55, Jun–Jul 75 **(Fre)**

[Differential diagnosis of thyroid hot nolules using stimulation studies with TRH and TSH] Doepp M, et al. **Med Welt** 27(3):117–23, 16 Jan 76 **(Ger)**

[The effect of thyrotropic hormone on processes mediating the cytotoxicity of antithyroid antibodies] Faizullaeva ShF, et al. **Probl Endokrinol (Mosk)** 22(3):56–7, May–Jun 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Preparation and specificity of antibodies against hormones with particular reference to the glycoprotein hormones. pp. 23–39. Butt WR, et al.
In: Edwards RG, Johnson MH, ed. Physiological effects of immunity against reproductive hormones. London, Cambridge Univ Press, 1976. W3 C162G v.3 1974.

METABOLISM

Thyrotropin interactions with human fat cell membrane preparations and the finding of soluble thyrotropin binding component. Mullin BR, et al. **Biochem Biophys Res Commun** 69(1):55–62, 8 Mar 76

Thyrotropin and prolactin inhibitory studies by compounds related to the thyrotropin releasing hormone. Sievertsson H, et al. **Biochem Biophys Res Commun** 66(4):1401–7, 27 Oct 75

Comparison of thyrotrophin receptors in membranes prepared from fat and thyroid tissue. Teng CS, et al. **Biochem Biophys Res Commun** 66(2):836–41, 16 Sep 75

Diminished binding of thyroid-stimulating hormone in a transplantable rat thyroid tumor as a possible cause of hormone unresponsiveness. Mandato E, et al. **Cancer Res** 35(11 Pt 1):3089–93, Nov 75

Regulation of thyrotropin (TSH) release and production in monolayer cultures of transplantable TSH-producing mouse tumors. Eto S, et al. **Endocrinology** 98(1):114–22, Jan 76

Serum and pituitary TSH and response to TRH in developing male and female rats. Simpkins JW, et al. **Endocrinology** 98(6):1365–9, Jun 76

Decreased pituitary growth hormone content in rats treated neonatally with high doses of L-thyroxine. Pascual-Leone AM, et al. **Horm Metab Res** 8(3):215–7, May 76

In vitro specificity of synthetic peptides reported to release TSH, LH/FSH, or GH. pp. 167–73. LaBella FS, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Characterization of the thyrotropin receptor and its involvement in exophthalmos. pp. 149–81. Kohn LD, et al.
In: Kaback HR, et al., ed. Molecular aspects of membrane phenomena. New York, Springer, 1975. QH 601 M718 1974.

Properties of the interaction between bovine thyrotropin and bovine thyroid plasma membranes. Amir SM, et al. **J Biol Chem** 251(15):4693–9, 10 Aug 76

Experimental exophthalmos. Binding of thyrotropin and an exophthalmogenic factor derived from thyrotropin to retro-orbital tissue plasma membranes. Bolonkin D, et al. **J Biol Chem** 250(16):6516–21, 25 Aug 75

Thyroid-stimulating hormone binding to beef thyroid membranes. Role of N-acetylneuraminic acid. Moore WV, et al. **J Biol Chem** 251(14):4247–53, 25 Jul 76

Thyrotropin receptors in thyroid plasma membranes. Characteristics of thyrotropin binding and solubilization of thyrotropin receptor activity by tryptic digestion. Tate RL, et al. **J Biol Chem** 250(16):6509–15, 25 Aug 75

Characteristics of a solubilized thyrotropin receptor from bovine thyroid plasma membranes. Tate RL, et al. **J Biol Chem** 250(16):6527–33, 25 Aug 75

Presence of TSH receptor in thyroid neoplasms. Ichikawa Y, et al. **J Clin Endocrinol Metab** 42(2):395–8, Feb 76

Thyrotropin and prolactin pituitary reserve in the 'empty sella syndrome'. Ridgway EC, et al. **J Clin Endocrinol Metab** 41(5):968–73, Nov 75

Immunocytochemistry of the pituitary glycoprotein hormones. Moriarty GC. **J Histochem Cytochem** 24(7):846–63, Jul 76

Independence of beta-adrenergic and thyrotropin receptors linked to adenylate cyclase in the thyroid. Marshall NJ, et al. **Nature** 261(5561):603–4, 17 Jun 76

The possible role of thyroid and thyrotrophic hormones in depressive illness. Mountjoy CQ. **Postgrad Med J** 52(3 suppl):103–9, 1976 (31 ref.)

Thyrotropin-ganglioside interactions and their relationship to the structure and function of thyrotropin receptors. Mullin BR, et al. **Proc Natl Acad Sci USA** 73(3):842–6, Mar 76

Cholera toxin interactions with thyrotropin receptors on thyroid plasma membranes. Mullin BR, et al. **Proc Natl Acad Sci USA** 73(5):1679–83, May 76

Alteration in tissue and serum concentrations of TSH, iodide, T4 and T3 induced by various dietary iodide levels. Heninger RW, et al. **Proc Soc Exp Biol Med** 150(1):137–41, Oct 75

[Changes in the binding capacity of thyroxine-binding globulin (TBC), of total thyroxine (T4), of the free thyroxine index (FT4–I) and of thyrotropin (TSH) during normal pregnancy and in hydatidiform mole] Herre HD, et al. **Zentralbl Gynaekol** 97(24):1527–33, 1975 (Eng. Abstr.) **(Ger)**

[Response to TSH and TRH in various endocrine diseases] Leiba S, et al. **Harefuah** 90(2):64–8, 15 Jan 76 (Eng. Abstr.) **(Heb)**

[Organotropicity and the dynamics of the clearance of exogenous labelled TSH from the blood under conditions of stimulation and blockade of the thyrotropic function of the hypophysis] Tkacheva GA, et al. **Probl Endokrinol (Mosk)** 21(4):66–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Chronic treatment with thyroid-stimulating hormone. Its effects on blood sugar, serum insulin and free fatty acid levels in normal dogs tested for oral glucose tolerance. Renauld A, et al. **Acta Diabetol Lat** 12(2):100–5, Mar–Apr 75

The immediate effect of TSH on renal iodide excretion rate in rabbits. Vadstrup S, et al. **Acta Endocrinol (Kbh)** 1(4):723–8, Apr 76

In vitro studies on domestic fowl thyroids. Fodor A, et al. **Acta Vet Acad Sci Hung** 25(2–3):145–51, 1975

Effect of thyroid stimulating hormone on the circulating thyroxine concentration in ducks (short communication). Pethes G, et al. **Acta Vet Acad Sci Hung** 25(1):113–4, 1975

Hyperpolarization of thyroid cells in vitro by thyrotropin and cyclic AMP. Batt R, et al. **Am J Physiol** 231(1):52–5, Jul 76

Evidence for differential synthesis of thyroxine and tri-iodothyronine by cultured human thyroid cells following exposure to thyrotrophin or dibutyryl cyclic AMP. Bidey SP, et al. **Biochem Biophys Res Commun** 70(2):418–24, 17 May 76

A study of thyrotropin stimulated 131I release in vitro by thyroid glands obtained from normal and protein deficient rats. Gaitonde BB, et al. **Biochem Med** 12(4):340–7, Apr 75

Demonstration of a thyrotropin-responsive prostaglandin E2-9-ketoreductase in bovine thyroid. Friedman Y, et al. **Biochim Biophys Acta** 431(3):615–23, 22 Jun 76

Thyroidal autoregulation. Iodide-induced suppression of thyrotropin-stimulated cyclic AMP production and iodinating activity in thyroid cells. Sherwin JR, et al. **Biochim Biophys Acta** 404(1):30–9, 8 Sep 75

Stimulatory actions of thyrotropin and dibutyryl cyclic AMP on transcription and translation in the regulation of thyroidal protein synthesis. Sherwin JR, et al. **Biochim Biophys Acta** 425(4):502–10, 2 Apr 76

Endogenous cyclic AMP in thyroid cell culture. Effect of thyroid-stimulating hormone and dibutyryl cyclic AMP. Verrier B, et al. **Biochim Biophys Acta** 428(1):233–9, 25 Mar 76

The influence of TSH and ACTH on purine and pteridine

deposition in the skin of rainbow trout (Salmo gairdneri). Premdas FH, et al. **Can J Zool** 54(4):576–81, Apr 76

Cyclic AMP in the thyroid of the rat fed prophylthiouracil: in vitro unresponsiveness to thyrotropin. Zakarija M, et al. **Endocr Res Commun** 2(6–7):419–29, 1975

Thyroid function and polyamines. II. Thyrotropin stimulation of polyamine biosynthesis in the rat thyroid. Matsuzaki S, et al. **Endocrinol Jpn** 22(4):339–45, Aug 75

Changes in cyclic AMP level of rat thyroid by acute and chronic stimulation of thyrotropin in vivo. Nakamura Y, et al. **Endocrinol Jpn** 23(2):157–63, Apr 76

Alteration of thyroidal responsiveness to TSH under the influence of circulating thyroid hormone: short feed-back regulatory effect. Shishiba Y, et al. **Endocrinol Jpn** 22(4):367–71, Aug 75

Exocytosis of protein into the thyroid follicle lumen: an early effect of TSH. Ekholm R, et al. **Endocrinology** 97(2):337–46, Aug 75

Inhibition of the response of mouse thyroid to tryrotropin induced by chronic triiodothyronine treatment. Gafni M, et al. **Endocrinology** 97(5):1256–62, Nov 75

The effect of elevated doses of thyrotropin on mouse thyroid. Gafni M, et al. **Endocrinology** 97(6):1486–93, Dec 75

The role of the pentose phosphate shunt in thyrotropin-induced thyroid hormone secretion: in vivo and vitro studies with 6-aminonicotinamide in mouse thyroids. Hashizume K, et al. **Endocrinology** 97(4):962–8, Oct 75

Dog thyroid cells in monolayer tissue culture: adenosine 3', 5'-cyclic monophosphate response to thyrotropic hormone. Rapoport B. **Endocrinology** 98(5):1189–97, May 76

Thyroid-stimulating hormone regulation of ornithine decarboxylase activity in the thyroid. Zusman DR, et al. **Endocrinology** 97(5):1089–95, Nov 75

The effect of exogenous TSH and Achilles tendon reflex time in man. Zamrazil V, et al. **Endokrinologie** 65(2):177–82, 1975

Plasticity of the hormone receptors and possibility of their deformation in neonatal age. Csaba G, et al. **Experientia** 32(5):651–2, 15 May 76

Influence of bovine TSH on plasma thyroxine levels and thyroid function in brook trout, Salvelinus fontinalis (Mitchill). Chan HH, et al. **Gen Comp Endocrinol** 28(4):461–72, Apr 76

Control by TSH of protein turnover in thyroid subcellular fractions. Dinsart C, et al. **Horm Metab Res** 8(2):140–5, Mar 76

Cyclic AMP level of human thyroid cells in monolayer culture. TSH induced refractoriness to TSH action. Kaneko Y. **Horm Metab Res** 8(3):202–6, May 76

Time sequence of 3',5'-cyclic AMP accumulation and ultrastructural changes in dog thyroid slices after acute stimulation by TSH. Ketelbant-Balasse P, et al. **Horm Metab Res** 8(3):212–5, May 76

The different modes of action of thyrotropin and prostaglandin E1 on cyclic adenosine 3',5'-monophosphate synthesis in human thyroid, as studied by sequential stimulations. Takasu N, et al. **Horm Metab Res** 8(3):206–11, May 76

Impairment and restoration of response to TSH in dog thyroid slices after treatment with phospholipase A and lubrol PX. Yamashita K, et al. **Horm Metab Res** 8(1):47–50, Jan 76

Bioenergetic effect of thyreostimulating hormone in vitro. pp. 163–7. Milanov S, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Dietary thyroprotein influence on lamb performance and blood constituents. Ely DG, et al. **J Anim Sci** 42(5):1309–15, May 76

Inhibition of basal and hormone-stimulated adenylate cyclase in adipocyte ghosts by the prostaglandin endoperoxide prostaglandin H2. Gorman RR, et al. **J Biol Chem** 250(16):6460–3, 25 Aug 75

Thyrotropin effects on thyroid cells in culture. Effects of trypsin on the thyrotropin receptor and on thyrotropin-mediated cyclic 3':5'-AMP changes. Winand RJ, et al. **J Biol Chem** 250(16):6534–40, 25 Aug 75

Stimulation of adenylate cyclase activity in retro-orbital tissue membranes by thyrotropin and an exophthalmogenic factor derived from thyrotropin. Winand RJ, et al. **J Biol Chem** 250(16):6522–6, 25 Aug 75

Comparison of prostaglandin E1 and TSH stimulation of cyclic AMP synthesis in thyroid tissues from euthyroid subjects and thyrotoxic patients. Taskasu N, et al. **J Clin Endocrinol Metab** 43(1):69–79, Jul 76

The effect of short-term triiodothyronine administration on thyroxine response to exogenous TSH in man. Vigneri R, et al. **J Clin Endocrinol Metab** 41(5):974–6, Nov 75

Exposure of thyroid slices to thyroid-stimulating hormone induces refractoriness of the cyclic AMP system to subsequent hormone stimulation. Shuman SJ, et al. **J Clin Invest** 57(5):1132–41, May 76

Altered thyroidal responsivity to thyrotropin induced by circulating thyroid hormones. A 'short-loop' regulatory mechanism? Yu S, et al. **J Clin Invest** 57(3):745–55, Mar 76

Proceedings: Influence of human thyroid-stimulating hormone and immunoglobulins from patients with Graves' disease on human thyroid cyclic AMP. Holmes SD, et al. **J Endocrinol** 69(3):8P–9P, Jun 76

Letter: Effect of T.S.H. on brown fat. Burton PA. **Lancet** 2(7933):505, 13 Sep 75

Effect of dexamethasone on thyroid hormone response to TSH. Vigneri R, et al. **Metabolism** 24(11):1209–13, Nov 75

The biological actions of thyrotropin. Tong W. **Pharmacol Ther [B]** 1(4):769–800, 1975 (168 ref.)

Inhibitory effect of large doses of propylthiouracil and methimazole on an increase of thyroid radioiodine release in response to thyrotropin. Sato A, et al. **Proc Soc Exp Biol Med** 152(1):90–4, May 76

T3 release from thyroid slices as an assay for thyroid stimulators. Laurberg P, et al. **Scand J Clin Lab Invest** 35(8):723–7, Dec 75

Cyclic guanosine and adenosine 3',5'-monophosphates in canine thyroid: localization by immunofluorescence. Fallon EF, et al. **Science** 184(4141):1089–91, 7 Jun 74

[TSH responses to TRH in the addisonians (author's transl)] Shimizu M, et al. **Ann Endocrinol (Paris)** 36(6):317–20, Nov-Dec 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Effect of thyrotropin on phosphate incorporation into proteins by dog thyroid gland slices] Lamy F, et al. **Arch Int Physiol Biochim** 83(2):380–1, May 75 **(Fre)**

[Effect of thyrotropic hormone on the metabolism of iodine by dog thyroid cells in tissue culture] Wadeleux P, et al. **Arch Int Physiol Biochim** 83(5):1020–1, Dec 75 **(Fre)**

[Quantitative measurement of colloidal iodine in thyroid follicles of Xenopus larva by x-ray spectometry: effects of hypophysectomy and the administration of TSH] Hourdry J, et al. **Gen Comp Endocrinol** 27(3):277–88, Nov 75 (Eng. Abstr.) **(Fre)**

[Histochemical and quantitative studies of RNA in the thyroid epithelium under the influence of thyrotropic hormone (TSH)] Gocan ME. **Morphol Embryol (Bucur)** 21(1):9–15, 1975 **(Fre)**

[Effects of Turisynchron and Suisynchron on the thyroid gland in rats during simultaneous administration of TSH] Löw O, et al. **Arch Exp Veterinaermed** 29(3):375–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Age-dependent changes in the rat thyroid after T3, MTU and TSH. Light-microscopic and histometric studies (author's transl)] Stötzer H. **Verh Dtsch Ges Pathol** 59:405–9, 1975 (Eng. Abstr.) **(Ger)**

[Studies of adenyl cyclase-cyclic AMP of the thyroid gland of the normal man and in Basedow's disease. (II). Differences in reactions of the thyroid gland to TSH and PGE 1 stimulation] Takasu N, et al. **Clin Endocrinol (Tokyo)** 23(9):913–6, Sep 75 **(Jpn)**

[Studies of thyroid glands of normal subjects and patients with Basedow's disease based on adenyl cyclase-cyclic AMP metabolism (III). Differences in reactions of the thyroid glands to TSH and PGE 1(2)] Takasu N, et al. **Clin Endocrinol (Tokyo)** 23(10):1039–41, Oct 75 **(Jpn)**

[Usefulness of TSH administration on increased iodine uptake by the thyroid gland in carcinoma] Więckowski B. **Nowotwory** 26(1):69–73, Jan-Mar 76 (Eng. Abstr.) **(Pol)**

[Skin regeneration and metabolic level on administration of thyrostimulin] Khomullo GV, et al. **Biull Eksp Biol Med** 81(4):480–2, 1976 (Eng. Abstr.) **(Rus)**

[Development of the reaction of thyroid gland to thyrotropic stimulation in rats (author's transl)] Sámel M. **Bratisl Lek Listy** 64(2):197–201, Aug 75 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Growth-promoting actions of peptide hormones. Tata JR. **Ciba Found Symp** 41:297–312, 1976 (57 ref.)

Amphibian metamorphosis: the role of thyrotropin-like hormone. Eddy L, et al. **Gen Comp Endocrinol** 29(3):333–6, Jul 76

Synthetic hypothalamic hypophysiotrophic hormones. Clinical studies. Thyrotropin releasing hormones. Discussion. pp. 404–17.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Correlation between a thyroxine (T4) suppression test and the TSH response to synthetic thyrotopin releasing hormone (TRH) in the diagnosis of hyperthyroidism. pp. 320–5. Karlberg BE.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

TRF-induced TSH response in several endocrine disorders. pp. 332–7. Otsuki M, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Pituitary thyroid-stimulating hormone and thyroid-stimulating immunoglobulins. pp. 233–46. Smith BR, et al.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (49 ref.)

The sensitivity of thyrotrophin stimulation of adenyl cyclase to adrenergic antagonists. pp. 129–37. Marshall NJ, et al.
In: Wollemann M, ed. Properties of purified cholinergic and adrenergic receptors. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.37.

Low setting of feedback regulation of TSH secretion by thyroxine in pituitary dwarfism with TSH-releasing hormone deficiency. Sato T, et al. **J Clin Endocrinol Metab** 42(2):385–90, Feb 76

Proceedings: A mathematical model of thyroid hormone regulation. Saratchandran P, et al. **J Endocrinol** 68(3):20P–21P, Mar 76

RADIATION EFFECTS

Effect of gamma irradiation on biological activity of thyrotropin. Strbák V, et al. **Endocrinol Exp (Bratisl)** 10(1):3–11, Mar 76

SECRETION

Thyroid function in acromegaly before and after transsphenoidal hypophysectomy followed by cryoapplication. Lamberg BA, et al. **Acta Endocrinol (Kbh)** 82(2):254–66, Jun 76

Conventional pituitary irradiation in acromegaly. Effect on growth hormone and TSH secretion. Lamberg BA, et al. **Acta Endocrinol (Kbh)** 82(2):267–81, Jun 76

Subacute thyroiditis. Eleven cases with histological confirmation and thyrotrophic response to thyrotrophin releasing hormone. Lebacq EG, et al. **Acta Endocrinol (Kbh)** 1(4):707–15, Apr 76

The effect of apomorphine on basal and TRH stimulated release of thyrotrophin and prolactin in man. Nilsson KO, et al. **Acta Endocrinol (Kbh)** 80(2):220–9, Oct 75

Augmented secretion of TSH in response to TRH after pre-treatment with dexamethasone for six days in rats. Ranta T. **Acta Endocrinol (Kbh)** 82(4):710–4, Aug 76

A transient rise of hormone secretion: a response of the stimulated rat thyroid gland to small increments of iodide supply. Studer H, et al. **Acta Endocrinol (Kbh)** 81(3):507–15, Mar 76

Pituitary-thyroid interrelationship in rats exposed to different environmental temperatures. Tal E, et al. **Acta Endocrinol (Kbh)** 83(1):99–104, Sep 76

Myxœdematous madness without myxedema. Selective defect of TSH release on TRF loading in a young woman with a history of severe depressive illness cured with thryoid hormone replacement therapy. Nordgren L, et al. **Acta Med Scand** 199(3):233–6, 1976

Thyrotropin response to thyrotropin-releasing hormone in fullterm, euthyroid and hypothyroid newborns. Jacobsen BB, et al. **Acta Paediatr Scand** 65(4):433–8, Jul 76

Choriocarcinoma with hyperthyroidism: probable identity of the thyrotropin with human chorionic gonadotropin. Cave WT Jr, et al. **Ann Intern Med** 85(1):60–3, Jul 76

Prolactin, thyrotropin, and growth hormone release during stress associated with parachute jumping. Noel GL, et al. **Aviat Space Environ Med** 47(5):534–7, May 76

Secretion of alpha and beta subunits of TSH by the anterior pituitary. Edmonds M, et al. **Clin Endocrinol (Oxf)** 4(5):525–30, Sep 75

Failure of adrenergic alpha and beta receptor blockade to elevate the TSH and prolactin response to TRH in hyperthyroidism. Epstein S, et al. **Clin Endocrinol (Oxf)** 4(5):501–4, Sep 75

Lack of TRH-induced TSH secretion in a patient with Klinefelter's syndrome: a case report. Ozawa Y, et al. **Endocrinol Jpn** 22(3):269–73, Jun 75

The late effects of neonatal hyperthyroidism upon the feedback regulation of TSH secretion in rats. Bakke JL, et al. **Endocrinology** 97(3):659–64, Sep 75

Characteristics of the interaction between thyrotropin-releasing hormone and somatostatin for thyrotropin and prolactin release. Drouin J, et al. **Endocrinology** 98(2):514–21, Feb 76

Acute effects of thyroxine, triiodothyronine, and iodide on thyrotropin secretion. Fukuda H, et al. **Endocrinology** 97(4):924–31, Oct 75

Thyrotropin-releasing hormone and thyroid hormone interactions on thyrotropin secretion in the rat: lack of inhibiting effects of small doses of triiodo-L-thyronine in the hypothyroid rat. García MD, et al. **Endocrinology** 98(1):203–13, Jan 76

Effect of hypothalamic deafferentation on the secretion of thyrotropin in resting conditions in the rat. Hefco E, et al. **Endocrinology** 97(5):1226–33, Nov 75

Transport of thyrotropin-releasing hormone from cerebrospinal fluid to hypophysial portal blood and the release of thyrotropin. Oliver C, et al. **Endocrinology** 97(5):1138–43, Nov 75

Suppression of thyrotropic hormone secretion by prostaglandin synthesis inhibitors. Thompson ME, et al. **Endocrinology** 98(3):787–93, Mar 76

On the time course of thyrotropin suppression by high doses of thyroid hormones. Hüfner M, et al. **Experientia** 32(5):655–7, 15 May 76

Seasonal variation in prolactin and TSH releasing activity in the hypothalamus of Rana temporaria. Kühn ER, et al. **Gen Comp Endocrinol** 28(3):277–82, Mar 76

Proceedings: Anomalous TSH secretion in liver disease; further evidence of hypothalamic-pituitary dysfunction. Green JR, et al. **Gut** 17(5):395–6, May 76

Role of biogenic amines and peptides on pituitary TSH secretion with special reference to action of thyrotropin-releasing hormone (TRH). pp. 221–31. Sakoda M, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Interrelationships in the control of ACTH and TSH secretion. pp. 92–103. Fortier C.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971. (17 ref.)

Effect of synthetic TSH-releasing factor (TRF) and of some

TRF analogues on pituitary function. pp. 213–8. Steiner H, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Thyrotropin releasing hormone induced thyrotropin release in euthyroid men. Effect of ethinyl oestradiol priming. Rastogi GK, et al. **Indian J Med Sci** 28(12):529–31, Dec 74

Klinefelter's syndrome: examination of thyroid function, and the TSH and PRL responses to thyrotropin-releasing hormone prior to and after testosterone administration. Burman KD, et al. **J Clin Endocrinol Metab** 41(06):1161–6, Dec 75

The effect of acetylsalicylic acid on TSH and PRL secretion after TRH stimulation in the human. Dussault JH, et al. **J Clin Endocrinol Metab** 43(1):232–5, Jul 76

Recurrent goiter, hyperthyroidism, galactorrhea and amenorrhea due to a thyrotropin and prolactin-producing pituitary tumor. Horn K, et al.
J Clin Endocrinol Metab 43(1):137–43, Jul 76

Secretion of alpha subunit of glycoprotein hormones by pituitary adenomas. Kourides IA, et al.
J Clin Endocrinol Metab 43(1):97–106, Jul 76

The effect of glucocorticoid administration on human pituitary secretion of thyrotropin and prolactin. Re RN, et al. **J Clin Endocrinol Metab** 43(2):338–46, Aug 76

Failure of propranolol to alter thyroid iodine release, thyroxine turnover, or the TSH and PRL responses to thyrotropin-releasing hormone in patients with thyrotoxicosis. Wartofsky L, et al.
J Clin Endocrinol Metab 41(3):485–90, Sep 75

Effect of acute increases in serum triiodothyronine on TSH and prolactin responses to TRH, and estimates of pituitary stores of TSH and prolactin in normal subjects and in patients with primary hypothyroidism. Wartofsky L, et al.
J Clin Endocrinol Metab 42(3):443–58, Mar 76

Thyrotropin-induced hyperthyroidism caused by selective pituitary resistance to thyroid hormone. A new syndrome of 'inappropriate secretion of TSH'. Gershengorn MC, et al. **J Clin Invest** 56(3):633–42, Sep 75

Proceedings: Enrichment of the thyrotroph cell type by unit gravity sedimentation of adenohypophysial cells. Gard TG, et al. **J Endocrinol** 67(2):40P–41P, Nov 75

Dehydroepiandrosterone-induced thyrotrophin release during heat stress in rats. Tal E, et al. **J Endocrinol** 67(1):99–103, Oct 75

Editorial: Long distance hyperthyroidism. Ricketts HT.
JAMA 235(3):287, 19 Jan 76

The pituitary reserve of thyrotropin secretion in aged subjects. Sakoda M, et al. **Kobe J Med Sci** 21(2):61–7, Jun 75

Neuroendocrine control of the pituitary TSH secretion. VII. Effects of intraventricular and intraarterial administrations of 5-hydroxytryptophan (5-HTP) on rat pituitary TSH release. Sakoda M, et al. **Kobe J Med Sci** 21(2):53–9, Jun 75

Letter: Diminished T.S.H. secretion during acute non-thyroidal illness in untreated primary hypothyroidism. Hooper MJ. **Lancet** 1(7949):48–9, 3 Jan 76

Breast and thyroid cancer and malignant melanoma promoted by alcohol-induced pituitary secretion of prolactin, T.S.H. and M.S.H. Williams RR. **Lancet** 1(7967):996–9, 8 May 76

Effect of L-tryptophan and restraint stress on hypothalmic and brain serotonin turnover, and pituitary TSH and prolactin release in rats. Mueller GP, et al. **Life Sci** 18(7):715–24, 1 Apr 76

Somatostatin in the physiologic feedback control of thyrotropin secretion. Tanjasiri P, et al. **Life Sci** 19(5):657–60, 1 Sep 76

Recovery of pituitary thyrotropic function after withdrawal of prolonged thyroid-suppression therapy. Vagenakis AG, et al. **N Engl J Med** 293(14):681–4, 2 Oct 75

Effects of acute and chronic administration of TRH on TSH and prolactin secretion in normal and hypothyroid rats. D'Angelo SA, et al. **Neuroendocrinology** 18(2):161–75, 1975

Pituitary TSH response to TRH: interrelationships with gonadal activity. Valenti G, et al. **Ric Clin Lab** 6(7):69–78, Jan–Mar 76

[The effect of local administration of potassium iodide and methylthiouracil into rat adenohypophysis] Strashimirov D. **Eksp Med Morfol** 11(2):93–6, 1972 (Eng. Abstr.) **(Bul)**

[T.R.H. test in 93 cases of thyroid disease] Murie N, et al. **Nouv Presse Med** 4(37):2635–8, 1 Nov 75 (Eng. Abstr.) **(Fre)**

[The effect of iodide on the TRH-induced release of HTSH, T4 and T3 in euthyroid subjects (author's transl)] Haydl H, et al. **Wien Klin Wochenschr** 87(22):747–51, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[The diencephalo-hypophyseo-thyroid axis in essential obesity. Note I. Pituitary TSH response to intravenous TRH] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1908–11, 30 Dec 75 **(Ita)**

[Pituitary-thyroid system in pregnant rats-TSH and thyroid hormones secretion during pregnancy] Kojima A, et al. **Clin Endocrinol (Tokyo)** 23(3):255–9, Mar 75 **(Jpn)**

[Serotonin concentration in the hypothalamus following alteration of pituitary thyrotropic function] Mamina VV. **Biull Eksp Biol Med** 82(7):772–4, Jul 76 (Eng. Abstr.) **(Rus)**

[Comparative assessment of the specific activity of several thyrotropin-releasing-hormone analogs] Morozova LG, et al. **Biull Eksp Biol Med** 81(6):745–7, Jun 76 (Eng. Abstr.) **(Rus)**

[Variants of morphofunctional disorders of the hypophysal-adrenal-thyroid gland system in acute radiation injury] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):26–30, Mar 76 (Eng. Abstr.) **(Rus)**

[Functional state of the thyroid gland and thyrotropic activity of the hypophysis in patients with dyspituitarism of the puberto-adolescent period] Kaiusheva IV, et al. **Probl Endokrinol (Mosk)** 21(4):22–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The role of noradrenaline in regulating the thyrotropic function of the hypophysis] Sidneva LN, et al.
Probl Endokrinol (Mosk) 22(1):39–42, Jan–Feb 76 **(Rus)**

[Value of the thyrotropin (TSH) stimulation test by means of hypothalamic thyrotropin releasing hormone (TRH). I. In primary thyroid pathology with hypothalamo-hypophyseal integrity] Sánchez-Franco F, et al. **Rev Clin Esp** 139(2):137–43, 31 Oct 75 (Eng. Abstr.) **(Spa)**

[Thyroid and gonads (author's transl)] Santelices R, et al. **Rev Med Chil** 103(10):689–91, Oct 75 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Comparison of various treatment schedules for accelerating the elimination of radioiodine from the thyroid and the human body. Livadas DP, et al. **Nucl Med (Stuttg)** 14(3):219–27, 31 Aug 75

THYROTROPIN RELEASING HORMONE

Myxedematous madness without myxedema. Selective defect of TSH release on TRF loading in a young woman with a history of severe depressive illness cured with thryoid hormone replacement therapy. Nordgren L, et al.
Acta Med Scand 199(3):233–6, 1976

Transport of thyrotropin-releasing hormone from cerebrospinal fluid to hypophysial portal blood and the release of thyrotropin. Oliver C, et al. **Endocrinology** 97(5):1138–43, Nov 75

Demonstration of pyroglutamylpeptidase and amidase activities toward thyrotropin-releasing hormone in hamster hypothalamus extracts. Prasad C, et al. **J Biol Chem** 251(11):3229–34, 10 Jun 76

Studies of the thyrotropin-releasing hormone. I. CNDO/2 studies of the conformations of the residues. Abdulnur SF, et al. **J Theor Biol** 59(1):189–203, Jun 76

13C-nuclear magnetic resonance study of [85% 13C-enriched proline]thyrotropin releasing factor: 13C-13C vicinal coupling constants and conformation of the proline residue. Haar W, et al.
Proc Natl Acad Sci USA 72(12):4948–52, Dec 75

[Physiological data and therapeutic applications of TRH] Mornex TR, et al. **Therapie** (4):475–83, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[TRH—structure, function and clinical use] Mitsuma T.
Jpn J Clin Med 34(3):603–8, 1976 (43 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

A double-blind trial of intravenous thyrotrophin-releasing hormone in the treatment of reactive depression. Evans LE, et al. **Br J Psychiatry** 127:227–30, Sep 75

Oral protirelin (T.R.H.) in depression. Sugerman AA, et al.
Curr Ther Res 19(1):94–8, Jan 76

Clinical and CNS effects of oral and I.V. Thyrotropin-releasing hormone in depressed patients. Itil TM, et al. **Dis Nerv Syst** 36(9):529–36, Sep 75

Serum levels of T3, T4 and TSH after different modes of TRH administration. pp. 136–40. Loos U, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

The effect of oral administration of thyrotropin-releasing hormone on lactation. Zarate A, et al.
J Clin Endocrinol Metab 43(2):301–5, Aug 76

Synthetic thyroid releasing hormone (TRH) administered orally to chronic schizophrenic patients. Clark ML, et al.
Psychopharmacol Commun 1(2):191–200, 1975

[Growth hormone in the blood of patients after administration of synthetic thyrotropin releasing hormone] Nedvídková J, et al. **Vnitr Lek** 22(5):453–6, May 76 (Eng. Abstr.)

[Triiodothyronine and thyroxine in the blood of patients with thyroid diseases after oral administration of thyrotropin releasing hormone (TRH)] Nedvídková J, et al.
Vnitr Lek 22(5):457–60, May 76 (Eng. Abstr.) **(Cze)**

[Spontaneous diurnal variations as well as the effect of TRH, MIH and LH-RH on growth hormone secretion in active acromegaly] Heesen D, et al. **Verh Dtsch Ges Inn Med** 81:1521–3, 1975 **(Ger)**

[Thyroid and gonads (author's transl)] Santelices R, et al.
Rev Med Chil 103(10):689–91, Oct 75 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Thyrotropin and prolactin inhibitory studies by compounds related to the thyrotropin releasing hormone. Sievertsson H, et al. **Biochem Biophys Res Commun** 66(4):1401–7, 27 Oct 75

Proton nuclear magnetic resonance studies of Nepsilon-Me-His2-thyroliberin. An hyperactive analogue of thyroliberin (thyrotropin-releasing factor). Bellocq AM, et al. **Biochim Biophys Acta** 420(1):1–7, 20 Jan 76

Potency of the N3im-methyl analog of TRH in the induction of shaking movements in the rat. Wei E, et al.
Eur J Pharmacol 36(1):227–9, Mar 76

Structure-biological activity relationships of thyrotropin and luteinizing hormone releasing factor analogues. pp. 12–9. Burgus R, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Effect of synthetic TSH-releasing factor (TRF) and of some TRF analogues on pituitary function. pp. 213–8. Steiner H, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Synthesis and biological properties of the 2-L-beta-(pyrazolyl-1)alanine analogs of luteinizing hormone-releasing hormone and thyrotropin-releasing hormone. Coy DH, et al. **J Med Chem** 18(9):948–9, Sep 75

Thyrotropin-releasing hormone (TRH) and its beta-alanine analogue: potentiation of the anticonvulsant potency of phenobarbital in mice. Nemeroff CB, et al.
Psychopharmacol Commun 1(3):305–17, 1975

[Synthesis and spectroscopic investigation of Namide-ethylthyroliberin (author's transl)] Kalbacher H, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1827–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Synthesis of thyrotropin releasing hormone (TRH) and its analogs] Bańkowski K, et al. **Acta Pol Pharm** 33(1):81–6, 1976 (Eng. Abstr.) **(Pol)**

[Comparative assessment of the specific activity of several thyrotropin-releasing-hormone analogs] Morozova LG, et al. **Biull Eksp Biol Med** 81(6):745–7, Jun 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Radioimmunoassay of thyrotropin releasing hormone in plasma and urine. Saito S, et al. **Endocrinol Jpn** 22(4):303–9, Aug 75

Releasing factors in the circumventricular organs in the rat brain. Kizer JS, et al. **Endocrinology** 98(2):311–7, Feb 76

Proceedings: Is there any thyrotrophin releasing hormone in mammalian extra-hypothalamic brain tissue? Jeffcoate SL, et al. **J Endocrinol** 67(2):42P–43P, Nov 75

Proceedings: Localization of thyrotrophin releasing hormone in the spinal cord of the rat by immunohisto-chemistry and radioimmunoassay. Jeffcoate SL, et al. **J Endocrinol** 69(3):9P–10P, Jun 76

Letter: Role of hypothalamic releasing hormones in the central nervous system. Griffiths EC, et al. **Lancet** 2(7934):554, 20 Sep 75

Differential sub-cellular compartmentalization of thyrotropin releasing hormone (TRH) and gonadotropin releasing hormone (LRH) in hypothalamic tissue. Barnea A, et al.
Proc Natl Acad Sci USA 72(8):3153–7, Aug 75

[Proceedings: Radioimmunoassay of thyrotropin-releasing hormone (T.R.H.) in man] Oliver C, et al.
Ann Endocrinol (Paris) 36(2):112, Mar–Apr 75 **(Fre)**

ANTAGONISTS & INHIBITORS

Inhibition of TRH-induced TSH release by l-thyroxine, l-triiodothyronine, and their D-isomers in mice. Seif FJ, et al. **Experientia** 31(8):992, 15 Aug 75

Inhibition of ovine prolactin and thyrotropin responses to thyrotropin-releasing hormone by triiodothyronine. Davis SL, et al. **J Anim Sci** 42(2):422–6, Feb 76

The effect of aspirin and indomethacin on the TRH response in man. Ramey JN, et al. **J Clin Endocrinol Metab** 43(1):107–14, Jul 76

Thyroxine inhibition of the proliferative response of the anterior pituitary to thyrotropin releasing hormone in vitro. Pawlikowski M, et al. **Neuroendocrinology** 18(3):277–80, 1975

BIOSYNTHESIS

Attempts toward biosynthesis of the thyrotropin-releasing hormone and studies on its breakdown in hypothalamic tissue preparations. Bauer K, et al. **Endocrinology** 99(1):230–42, Jul 76

Biosynthesis of thyrotropin-releasing hormone in organ cultures of the guinea pig median eminence. McKelvy JF, et al. **Endocrinology** 97(4):908–18, Oct 75

Biosynthesis of thyrotropin releasing hormone and its control by hormones, central monoamines and external environment. pp. 124–35. Reichlin S, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

BLOOD

Increase in basal and thyrotropin-releasing hormone (TRH)-stimulated secretion of thyrotropin (TSH) by passive immunization with antiserum to somatostatin in rats. Arimura A, et al. **Endocrinology** 98(4):1069–72, Apr 76

Inhibition of degradation and measurement of immunoreactive thyrotropin-releasing hormone in rat blood and plasma. Eskay RL, et al. **Endocrinology** 98(2):269–77, Feb 76

The effect of hypoglycemia on hypothalamic thyrotropin-releasing hormone (HRH) in the rat. Leung

Y, et al. **Endocrinology** 97(2):380–4, Aug 75

Triiodothyronine withdrawal–a possible test for hypothalamic–pituitary–thyroid adequacy. de Vries HP, et al. **Horm Metab Res** 8(2):132–6, Mar 76

Thyrotropin releasing hormone (TRH) radioimmunoassay. pp. 146–53. Utiger RD, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Norepinephrinergic control of TRF–TSH secretion evoked by cold stress. p. 167. Annunziato L, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Thyroid–stimulating immunoglobulins and the control of thyroid function. Clague R, et al.
J Clin Endocrinol Metab 43(3):550–6, Sep 76

Plasma thyrotropin–releasing hormone concentrations in the rat. Effect of thyroid excess and deficiency and cold exposure. Emerson CH, et al. **J Clin Invest** 56(6):1564–70, Dec 75

Characteristics of the plasma TRH–degrading enzyme. Knigge KM, et al. **Neuroendocrinology** 19(3):277–87, 1975

Thyrotropin releasing hormone: development of inactivation system during maturation of the rat. Neary JT, et al.
Science 193(4251):403–5, 30 Jul 76

[Studies of various factors in thyrotropoin releasing hromone TRH) radioimmunoassay for serum (author's transl)] Mitsuma T, et al. **Folia Endocrinol Jpn** 51(10):793–802, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

A new improved synthesis of thyrotropin releasing hormone. Mattalia G, et al. **Experientia** 31(8):874–5, 15 Aug 75

The preparation of 125I–TRH: its distribution, half–life and excretion in mice. pp. 141–5. Birk J, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

[Synthesis of thyrotropin releasing hormone (TRH) and its analogs] Bańkowski K, et al. **Acta Pol Pharm** 33(1):81–6, 1976 (Eng. Abstr.) **(Pol)**

DEFICIENCY

Low setting of feedback regulation of TSH secretion by thyroxine in pituitary dwarfism with TSH–releasing hormone deficiency. Sato T, et al.
J Clin Endocrinol Metab 42(2):385–90, Feb 76

DIAGNOSTIC USE

Normal response to thyrotrophin releasing hormone (TRH) in familial thyroxine–binding globulin deficiency. Hansen E, et al. **Acta Endocrinol (Kbh)** 80(2):279–301, Oct 75

Thyroid function in acromegaly before and after transsphenoidal hypophysectomy followed by cryoapplication. Lamberg BA, et al.
Acta Endocrinol (Kbh) 82(2):254–66, Jun 76

Subacute thyroiditis. Eleven cases with histological confirmation and thyrotrophic response to thyrotrophin releasing hormone. Lebacq EG, et al.
Acta Endocrinol (Kbh) 1(4):707–15, Apr 76

Growth hormone release following thyrotrophin–releasing hormone injection into patients with anorexia nervosa. Maeda K, et al. **Acta Endocrinol (Kbh)** 81(1):1–8, Jan 76

Thyrotropin response to thyrotropin–releasing hormone in fullterm, euthyroid and hypothyroid newborns. Jacobsen BB, et al. **Acta Paediatr Scand** 65(4):433–8, Jul 76

Prognostic value of thyrotropin–releasing hormone stimulation test in endogenous depression. Kirkegaard C, et al. **Acta Psychiatr Scand** 52(3):170–7, Sep 75

Protirelin stimulation test and thyroid function during treatment of depression. Kirkegaard C, et al.
Arch Gen Psychiatry 32(9):1115–8, Sep 75

A combined test of anterior pituitary reserve. Judd SJ, et al. **Aust NZ J Med** 6(1):30–6, Feb 76

Delayed adjustment of the pituitary response to variations in circulating thyroid hormones in a case of subacute thyroiditis. Demeester–Mirkine N, et al.
Clin Endocrinol (Oxf) 5(1):9–13, Jan 76

Clinical value of the thyrotropin–releasing hormone stimulation test in predicting mild hypothyroid state in chronic thyroiditis. Takeda R, et al. **Endokrinologie** 65(2):171–6, 1975

Enhanced growth hormone responses to TRH injection in bipolar depressed patients. Takahashi S, et al.
Folia Psychiatr Neurol Jpn 29(3):215–20, 1975

Thyroid function levels and thyrotropin responses to TRH administration in manic patients receiving lithium carbonate. Takahashi S, et al.
Folia Psychiatr Neurol Jpn 29(3):231–7, 1975

Long–term treatment of acromegaly with bromocryptine: postprandial HGH levels and response to TRH and glucose administration. Benker G, et al. **Horm Metab Res** 8(4):291–5, Jul 76

Effect of iodine upon the TRH induced release of TSH in euthyroid, hypothyroid and hyperthyroid individuals. Waldhäusl W, et al. **Horm Metab Res** 8(4):286–91, Jul 76

Thyrotrophin–releasing hormone and thyroid function. pp. 477–88. Hall R.
In: Franchimont P, ed. Some aspects of hypothalamic regulation of endocrine functions. Stuttgart, Schattauer, 1975. WL 312 S989s 1973.

The effect of estradiol on plasma HTSH response to TRH in humans. pp. 348–53. Faglia G, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Effects of thyroid hormone upon the human prolactin (HPr) responses to thyrotropin releasing hormone (TRH). pp. 385–90. Foley TP Jr, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Evaluation of pituitary and thyroid disease with thyrotropin–releasing hormone (TRH). pp. 312–9. Hershman JM, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

The effect of thyrotropin releasing factor (TRF) on human pituitary prolactin and thyrotropin in children and in idiopathic hypopituitary dwarfism. pp. 380–4. Kaplan SL, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Correlation between a thyroxine (T4) suppression test and the TSH response to synthetic thyrotopin releasing hormone (TRH) in the diagnosis of hyperthyroidism. pp. 37 -5. Karlberg BE.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Synthetic TRH infusion test in patients with endemic cretinism. pp. 354–60. Medeiros–Neto GA, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

The effect of synthetic TRH in patients with endemic goiter before and after iodized oil injection. pp. 361–7. Medeiros–Neto GA, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

TRF–induced TSH response in several endocrine disorders. pp. 332–7. Otsuki M, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Evaluation of pituitary function by use of LH–releasing hormone and thyrotropin–releasing hormone. pp. 276–82. Saito S, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Pituitary and thyroidal responses to thyrotropin releasing hormone (TRH). pp. 338–47. Shenkman L, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Comparison of prolactin (Pr) and thyrotropin (TSH) responses to thyrotropin releasing hormone (TRH). pp. 391–5. Synder PJ, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Human milk secretion after TRH induced prolactin release. pp. 396–403. Tyson JE, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Serum cortisol after pituitary TRH stimulation: influence of diet and insulin on pituitary–adrenal activity in diabetes. pp. 368–72. Winkler G, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Endocrine and extra–endocrine studies of hypothalamic hormones in man. pp. 196–206. Kastin AJ, et al.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 l65r 1973. (44 ref.)

Prolactin responses to thyrotropin–releasing hromone in protein–calorie malnutrition. Becker DJ, et al.
J Clin Endocrinol Metab 41(4):782–3, Oct 75

Klinefelter's syndrome: examination of thyroid function, and the TSH and PRL responses to thyrotropin–releasing hormone prior to and after testosterone administration. Burman KD, et al. **J Clin Endocrinol Metab** 41(06):1161–6, Dec 75

Abnormal TSH, PRL and GH response to TSH releasing factor in chronic renal failure. Czernichow P, et al.
J Clin Endocrinol Metab 43(3):630–7, Sep 76

Prolactin and thyrotropin responses to thyrotropin–releasing hormone in patients with secondary amenorrhea: the effect of bromocriptine. Hirvonen E, et al.
J Clin Endocrinol Metab 42(6):1024–30, Jun 76

Dissociation of responsiveness to thyrotropin–releasing hormone and thyroid suppressibility following antithyroid drug therapy of hyperthyroidism. Martino E, et al.
J Clin Endocrinol Metab 43(3):543–9, Sep 76

Effect of an oral water load on serum TSH in normal subjects, and on TSH and prolactin response to thyrotropin–releasing hormone (TRH) in patients with primary hypothyroidism. Wartofsky L, et al.
J Clin Endocrinol Metab 41(4):784–7, Oct 75

The TRH stimulation test in endemic goitre in Greece. Souvatzoglou A, et al. **Klin Wochenschr** 54(1):25–9, 1 Jan 76

Letter: Thyrotropin–releasing hormone and depression. Kirkegaard C, et al. **Lancet** 2(7882):722, 21 Sep 74

Letter: Early detection of relapse in hyperthyroidism by T.R.H. test. Staub JJ, et al. **Lancet** 2(7936):661–2, 4 Oct 75

Infusion of synthetic TRH in the diagnosis of thyroid and pituitary dysfunction. Van Kersen F, et al. **Neth J Med** 17(4–5):184–95, 1974

[Clinical application of a hypothalamic hormone stimulating thyrotropic secretion] Milanov S, et al. **Vutr Boles** 13(6):31–5, 1974 (20 ref.) **(Bul)**

[Response of the thyrotropic hormone after oral administration of thyrotropin releasing hormone in patients with disorders of the thyroid gland] Nedvídková J, et al. **Vnitr Lek** 22(3):278–82, Mar 76 (Eng. Abstr.) **(Cze)**

[T.R.H. test in 93 cases of thyroid disease] Murie N, et al. **Nouv Presse Med** 4(37):2635–8, 1 Nov 75 (Eng. Abstr.) **(Fre)**

[Letter: Test with TRH in latent hypothyroidism] Vanhaelst L, et al. **Nouv Presse Med** 4(24):1813, 14 Jun 75 **(Fre)**

[Differential diagnosis of thyroid hot nolules using stimulation studies with TRH and TSH] Doepp M, et al. **Med Welt** 27(3):117–23, 16 Jan 76 **(Ger)**

[The diencephalo–hypophyseo–thyroid axis in essential obesity. Note II. Evaluation of the thyroid T4 (D) after stimulation with intravenous TRH] Consolo F, et al.
Boll Soc Ital Biol Sper 51(24):1912–4, 30 Dec 75 **(Ita)**

[The diencephalo–hypophyseo–thyroid axis in essential obesity. Note I. Pituitary TSH response to intravenous TRH] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1908–11, 30 Dec 75 **(Ita)**

[The diencephalo–hypophyseo–thyroid axis in essential obesity. Note III. The thyroid T3 response to intravenous TRH] Trimarchi F, et al. **Boll Soc Ital Biol Sper** 51(24):1915–9, 30 Dec 75 **(Ita)**

[Effect of administration of synthetic TRH in patients with endemic goiter] Martino E, et al.
Folia Endocrinol (Roma) 27(1):104–9, Feb 74 **(Ita)**

[The TRH stimulation test in hyperthyroid patients following prolonged therapy with thiocarbamides] Martino E, et al. **Folia Endocrinol (Roma)** 27(1):117–22, Feb 74 **(Ita)**

[Postoperative management following thyroidectomy and TRH test] Goto H, et al. **Clin Endocrinol (Tokyo)** 23(3):251–4, Mar 75 **(Jpn)**

[Clinical use of hypothalamic hormones] Kumahara Y, et al. **Clin Endocrinol (Tokyo)** 23(11):1083–95, Nov 75 **(Jpn)**

[Relation of TRH test to thyroidal suppression test by triiodothyronine in patients with hyperthyroidism under treatment with antithyroid drugs (author's transl)] Kuribayashi T, et al. **Folia Endocrinol Jpn** 51(2):103–8, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[TRH test in patients with thyroid disorders (author's transl)] Himuro K, et al. **Fukuoka Acta Med** 66(11):661–5, 25 Nov 75 (Eng. Abstr.) **(Jpn)**

[Applications of radioimmunoassay to endocrine function tests of children with special reference to TRH test and to LH–RH test (author's transl)] Egi S, et al.
Jpn J Clin Pathol 23(10):770–7, Oct 75 **(Jpn)**

[Clinical evaluation of free thyroxine index, triiodothyronine, thyroid–stimulating hormone assay and the TRH stimulating test] Gembicki M, et al. **Endokrynol Pol** 26(5):497–505, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Value of the thyrotropin (TSH) stimulation test by means of hypothalamic thyrotropin releasing hormone (TRH). I. In primary thyroid pathology with hypothalamo–hypophyseal integrity] Sánchez–Franco F, et al. **Rev Clin Esp** 139(2):137–43, 31 Oct 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Generation of specific antiserum to thyrotropin releasing–hormone and its use in a radioimmunoassay. Koch Y, et al. **FEBS Lett** 63(2):295–8, 1 Apr 76

ISOLATION & PURIFICATION

Letter: Occurrence of Pyr–His–Pro–NH2 in the frog skin. Yasuhara T, et al. **Chem Pharm Bull (Tokyo)** 23(12):3301–3, Dec 75

Convenient procedure for extraction of gonadotropin–releasing hormone and thyrotropin–releasing hormone from hypothalamic tissue. Koch Y, et al.
FEBS Lett 67(2):186–8, 15 Aug 76

METABOLISM

Metabolism of thyrotropin releasing factor in two clonal cell lines of nervous system origin. Grimm–Jorgensen Y, et al. **Biochem Biophys Res Commun** 70(1):167–73, 3 May 76

Thyrotropin releasing hormone (TRH): apparent receptor binding in rat brain membranes. Burt DR, et al.
Brain Res 93(2):309–28, 8 Aug 75

Inactivation of thyrotrophin releasing hormone (TRH) by peptidases in different areas of the rabbit brain. Griffiths EC, et al. **Brain Res** 105(2):376–80, 26 Mar 76

Degradation of thyrotropin–releasing hormone by the GH3 strain of pituitary cells in culture. Hinkle PM, et al.
Endocrinology 97(2):324–31, Aug 75

Uptake and transport activity of the median eminence of the hypothalamus. Knigge KM, et al. **Int Rev Cytol** 45:283–408, 1976 (56 ref.)

Hypothalamic inactivation of thyrotrophin-releasing hormone. Griffiths EC, et al. **Mol Cell Endocrinol** 4(4):215–22, Mar 76

Regulation of degradation of thyrotropin releasing hormone by thyroid hormones. Bauer K. **Nature** 259(5544):591–3, 19 Feb 76

Localisation of gonadotropin-releasing and thyrotropin-releasing hormones in human brain by radioimmunoassay. Ökon E, et al. **Nature** 263(5575):345–7, 23 Sep 76

Fate of thyrotropin releasing hormone after binding and stimulation of prolactin release by GH3 cells. Evidence for release of unmodified (3H)-TRH. Gourdji D, et al. **Neuroendocrinology** 20(3):201–11, 1976

Effect of exposure to cold on hypothalamic TRH activity and plasma levels of TSH and prolactin in the rat. Jobin M, et al. **Neuroendocrinology** 18(2):204–12, 1975

Effect of hypothalamic deafferentation on thyrotropin-releasing hormone levels in rat brain. Brownstein MJ, et al. **Proc Natl Acad Sci USA** 72(10):4177–9, Oct 75

[Response to TSH and TRH in various endocrine diseases] Leiba S, et al. **Harefuah** 90(2):64–8, 15 Jan 76 (Eng. Abstr.) **(Heb)**

PHARMACODYNAMICS

Proceedings: Effects of peptides regulating the release of MSH and TSH and of some analogues on the spontaneous exploratory reactions in rats. Krejčí I, et al. **Act Nerv Super (Praha)** 17(4):282–3, 1975

Influence of suckling and of suckling followed by TRH or LH-RH on plasma prolactin, TSH, GH and FSH. Jeppsson S, et al. **Acta Endocrinol (Kbh)** 82(2):246–53, Jun 76

The effect of apomorphine on basal and TRH stimulated release of thyrotrophin and prolactin in man. Nilsson KO, et al. **Acta Endocrinol (Kbh)** 80(2):220–9, Oct 75

Augmented secretion of TSH in response to TRH after pre-treatment with dexamethasone for six days in rats. Ranta T. **Acta Endocrinol (Kbh)** 82(4):710–4, Aug 76

Inhibitory effects of glucocorticoids on prolactin release induced by thyrotropin-releasing hormone in man. Ogawa N, et al. **Acta Med Okayama** 29(5):351–4, Oct 75

Gonadotropin and prolactin secretion in human pseudocyesis: effect of synthetic luteinizing hormone-releasing hormone (LH-RH) and thyrotropin releasing hormone (TRH) Zarate A, et al. **Ann Endocrinol (Paris)** 35(4):445–50, Jul-Aug 74

Letter: Normal thyrotropin-releasing hormone response in myotonia dystrophica. Sagel J, et al. **Arch Neurol** 33(7):520, Jul 76

Thyrotropin-releasing hormone increases prolactin mRNA activity in the cytoplasm of GH-cells as measured by translation in a wheat germ cell-free system. Dannies PS, et al. **Biochem Biophys Res Commun** 70(4):1180–9, 21 Jun 76

Stimulation of prolactin synthesis and of adenosine 3',5'-cyclic phosphate formation by prostaglandins and thyroliberin in cultured rat pituitary cells. Gautvik KM, et al. **Biochem J** 156(1):111–7, 15 Apr 76

Basal and thyroliberin-stimulated prolactin synthesis in single-cell cultures and in populations of rat pituitary cells. Gautvik KM, et al. **Biochem J** 158(1):119–25, 15 Jul 76

Commentary: Neuropharmacology of hypothalamic releasing factors. Plotnikoff NP, et al. **Biochem Pharmacol** 25(4):363–5, 15 Feb 76

Thyrotropin-releasing hormone regulates the number of its own receptors in the GH3 strain of pituitary cells in culture. Hinkle PM, et al. **Biochemistry** 14(17):3845–51, 26 Aug 75

Basal serum prolactin values and responses to the administration of thyrotrophin releasing hormone (TRH) in women with amenorrhoea. Glass MR, et al. **Br J Obstet Gynaecol** 83(6):495–501, Jun 76

Proceedings: Investigations concerning TRH-induced hypothermia in cats. Metcalf G, et al. **Br J Pharmacol** 55(2):273P, Oct 75

Thyrotropin releasing factor (TRF) regulation of rotation in the non-lesioned rat. Cohn ML, et al. **Brain Res** 96(1):134–7, 10 Oct 75

The effect of synthetic TRH on transmembrane potential and membrane resistance of adenohypophysial cells. York DH, et al. **Can J Physiol Pharmacol** 53(5):777–86, Oct 75

Plasma prolactin responses to thyrotropin-releasing hormone in patients with breast cancer. Ohgo S, et al. **Cancer** 37(3):1412–6, Mar 76

Failure of adrenergic alpha and beta receptor blockade to elevate the TSH and prolactin response to TRH in hyperthyroidism. Epstein S, et al. **Clin Endocrinol (Oxf)** 4(5):501–4, Sep 75

Triiodothyronine response to thyrotrophin releasing hormone in patients with hypothalamic-pituitary disorders. Faglia G, et al. **Clin Endocrinol (Oxf)** 4(6):585–90, Nov 75

Hypothalamic hormone interaction in acromegaly. Gomez-Pan A, et al. **Clin Endocrinol (Oxf)** 4(5):455–60, Sep 75

Increase of serum GH concentration following TRH injection in patients with primary hypothyroidism. Hamada N, et al. **Endocrinol Jpn** 23(1):5–10, Feb 76

Prolactin-releasing factor (PRF) in porcine hypothalamic extract distinct from TRH. Boyd AE, et al. **Endocrinology** 99(3):861–71, Sep 76

Growth hormone release in the rat: effects of somatostatin and thyrotropin-releasing factor. Brown M, et al. **Endocrinology** 97(5):1151–6, Nov 75

Effects of hyperthyroidism and hypothyroidism on rat growth hormone release induced by thyrotropin-releasing hormone. Chihara K, et al. **Endocrinology** 98(6):1396–400, Jun 76

Stimulating and inhibiting effects of thyrotropin-releasing hormone on growth hormone release in rats. Chihara K, et al. **Endocrinology** 98(4):1047–53, Apr 76

A possible role of cyclic AMP in mediating the effects of thyrotropin-releasing hormone on prolactin release and on prolactin and growth hormone synthesis in pituitary cells in culture. Dannies PS, et al. **Endocrinology** 98(5):1147–59, May 76

Characteristics of the interaction between thyrotropin-releasing hormone and somatostatin for thyrotropin and prolactin release. Drouin J, et al. **Endocrinology** 98(2):514–21, Feb 76

Thyrotropin-releasing hormone and thyroid hormone interactions on thyrotropin secretion in the rat: lack of inhibiting effects of small doses of triiodo-L-thyronine in the hypothyroid rat. García MD, et al. **Endocrinology** 98(1):203–13, Jan 76

Enzymatic dissociation and short-term culture of isolated rat anterior pituitary cells for studies on the control of hormone secretion. Nakano H, et al. **Endocrinology** 98(2):278–88, Feb 76

Serum and pituitary TSH and response to TRH in developing male and female rats. Simpkins JW, et al. **Endocrinology** 98(6):1365–9, Jun 76

Dissociation of prolactin-releasing activity from thyrotropin-releasing hormone in porcine stalk median eminence. Szabo M, et al. **Endocrinology** 98(6):1451–9, Jun 76

Stimulation of growth hormone release by thyrotropin-releasing hormone in the hypophysectomized rat bearing an ectopic pituitary. Udeschini G, et al. **Endocrinology** 98(3):807–14, Mar 76

Influence of thyrotropin releasing hormone and dibutyryl cyclic adenosine 3',5'-monophosphate on ultrastructure of adenohypophysis in organ culture. Pawlikowski M, et al. **Endokrinologie** 66(3):306–12, Dec 75

Effects of thyrotropin-releasing hormone on prolactin, growth hormone and corticosterone secretions in adult male rats treated with pentobarbital or morphine. Collu R, et al. **Eur J Pharmacol** 37(1):133–40, May 76

The influence of somatostatin on drug-induced prolactin release in the monkey. Gala RR, et al. **Experientia** 32(7):941–3, 1976

Long-term administration of thyrotropin-releasing hormone and its effect on gonadotropin secretion in eumenorrheic women. Lasso P, et al. **Fertil Steril** 27(6):636–9, Jun 76

Comparative study of plasma cortisol evolution in TRH or placebo injected patients with or without thyroid disease. Ducobu J, et al. **Horm Metab Res** 8(3):217–20, May 76

Lack of change in the sensitivity of rat caudate nucleus adenyl cyclase to dopamine when thyrotrophin releasing hormone and cycloheximide produce opposite effects on the behavioural responses to certain centrally acting drugs. pp. 265–74. Green AR, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Synthetic hypothalamic hypophysiotrophic hormones. Clinical studies. Thyrotropin releasing hormones. Discussion. pp. 404–17.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

The effect of thyrotropin releasing factor (TRF) on plasma TSH in subjects with pituitary tumors. pp. 326–31. Fleischer N, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Effects of synthetic releasing hormones on cyclic AMP levels and hormone release from rat anterior pituitary tissue. pp. 198–203. Kaneko T, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Effect of TRH on protein synthesis of the anterior pituitary gland and hypothalamus. pp. 204–7. Moguilevsky JA, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Role of biogenic amines and peptides on pituitary TSH secretion with special reference to action of thyrotropin-releasing hormone (TRH). pp. 221–31. Sakoda M, et al.
In: Hatotani N, ed. Psychoneuroendocrinology. Basel, Karger, 1974. WL 102 I657p 1974.

Effects of TRH on pituitary grafts in the rat. pp. 271–86. Shino M, et al.
In: Hess M, ed. Electron microscopic concepts of secretion. New York, Wiley, 1975. WP 101 E38 1973.

Influence of synthetic TRF administration and hypothalamic stimulation upon the ultrastructure of thyrotrophs. pp. 195–201. Shiotani Y, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Effect of synthetic TSH-releasing factor (TRF) and of some TRF analogues on pituitary function. pp. 213–8. Steiner H, et al.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.

Study on the control of prolactin secretion by two continuous lines of rat pituitary prolactin cells. pp. 163–6. Gourdji D, et al.
In: Pasteels JL, et al., ed. Human prolactin. Amsterdam, Excerpta Medica, 1973. W3 EX89 n.308 1973. (7 ref.)

Neurophysiological effects of hormones in humans: computer EEG profiles of sex and hypothalamic hormones. pp. 31–40. Itil TM.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975.

Thyrotropin releasing hormone induced thyrotropin release in euthyroid men. Effect of ethinyl oestradiol priming. Rastogi GK, et al. **Indian J Med Sci** 28(12):529–31, Dec 74

Influence of chronic thyrotropin-releasing hormone injections on secretion of prolactin, thyrotropin and growth hormone and on growth rate in wether lambs. Davis SL, et al. **J Anim Sci** 42(5):1244–50, May 76

Serum prolactin and growth hormone response to thyrotropin releasing hormone in prepubertal heifers. Vines DT, et al. **J Anim Sci** 42(3):681–7, Mar 76

Failure of endogenous prolactin to alter renal salt and water excretion and adrenal function in man. Baumann G, et al. **J Clin Endocrinol Metab** 43(3):643–9, Sep 76

Dopamine infusion acutely inhibits the TSH and prolactin response to TRH. Besses GS, et al. **J Clin Endocrinol Metab** 41(5):985–8, Nov 75

Body weight and the pituitary response to hypothalamic releasing hormones in patients with anorexia nervosa. Beumont PJ, et al. **J Clin Endocrinol Metab** 43(3):487–96, Sep 76

The effect of acetylsalicylic acid on TSH and PRL secretion after TRH stimulation in the human. Dussault JH, et al. **J Clin Endocrinol Metab** 43(1):232–5, Jul 76

Changes in circulating levels of LH, FSH, LHbeta- and alpha-subunit after gonadotropin-releasing hormone, and of TSH, LHbeta- and alpha-subunit after thyrotropin-releasing hormone. Hagen C, et al. **J Clin Endocrinol Metab** 41(3):466–70, Sep 75

Lack of release of human chorionic gonadotropin by thyrotropin-releasing hormone. Hershman JM, et al. **J Clin Endocrinol Metab** 42(5):970–2, May 76

Suppression by thyrotropin-releasing hormone (TRH) of human growth hormone release induced by L-dopa. Maeda K, et al. **J Clin Endocrinol Metab** 41(2):408–11, Aug 75

Suppression by thyrotropin-releasing hormone (TRH) of growth hormone release induced by arginine and insulin-induced hypoglycemia in man. Maeda K, et al. **J Clin Endocrinol Metab** 43(2):453–6, Aug 76

The effect of iodized oil on the TSH response to TRH in endemic goiter patients. Medeiros-Neto GA, et al. **J Clin Endocrinol Metab** 41(3):504–10, Sep 75

The TSH response to thyrotropin-releasing hormone (TRH) in young adult men: intra-individual variation and relation to basal serum TSH and thyroid hormones. Sawin CT, et al. **J Clin Endocrinol Metab** 42(5):809–16, May 76

Failure of propranolol to alter thyroid iodine release, thyroxine turnover, or the TSH and PRL responses to thyrotropin-releasing hormone in patients with thyrotoxicosis. Wartofsky L, et al. **J Clin Endocrinol Metab** 41(3):485–90, Sep 75

Effect of acute increases in serum triiodothyronine on TSH and prolactin responses to TRH, and estimates of pituitary stores of TSH and prolactin in normal subjects and in patients with primary hypothyroidism. Wartofsky L, et al. **J Clin Endocrinol Metab** 42(3):443–58, Mar 76

Effect of synthetic thyrotrophin releasing factor on prolactin and luteinizing hormone secretion in male and female rats during various reproductive states. Deis RP, et al. **J Endocrinol** 67(3):425–30, Dec 75

Investigations into the mechanism of reduction of ethanol sleep by thyrotropin-releasing hormone (TRH). Cott JM, et al. **J Pharmacol Exp Ther** 196(3):594–604, Mar 76

Investigations into the mechanism of reduction of ethanol sleep by thyrotropin-releasing hormone (TRH). Cott JM, et al. **J Pharmacol Exp Ther** 196(3):594–604, Mar 76

Steroid modulation of the hypothalamic-pituitary system in the secretion of reproductive hormones. Yen SS, et al. **J Steroid Biochem** 6(6):1047–53, Jun 75

Letter: Depression and T.R.H.-induced prolactin release. Legros JJ, et al. **Lancet** 2(7936):663–4, 4 Oct 75

Effect of thyreotrope-releasing hormone (TRH) on prolactin turnover in culture. Morin A, et al. **Mol Cell Endocrinol** 3(5):351–73, Nov 75

Release and synthesis of prolactin by rat pituitary cell strains are regulated independently by thyrotropin-releasing hormone. Dannies PS, et al. **Nature** 261(5562):707–10, 24 Jun 76

Parameters of alteration of pentobarbital response by hypothalamic polypeptides. Prange AJ Jr, et al. **Neuropsychobiology** 1(2):121–31, 1975

Somatostatin and thyrotropin releasing hormone: central effect on sleep and motor system. Havlicek V, et al. **Pharmacol Biochem Behav** 4(4):455–9, Apr 76

Central effects of thyrotropin-releasing factor (TRF); interaction with some antipsychotic drugs. Mora S, et al. **Pharmacol Biochem Behav** 4(3):279–82, Mar 76

Thyrotropin releasing hormone (TRH): DOPA potentiation and biogenic amine studies. Plotnikoff NP, et al. **Pharmacol Biochem Behav** 3(4):665–70, Jul-Aug 75

The possible role of thyroid and thyrotrophic hormones in

depressive illness. Mountjoy CQ. **Postgrad Med J** 52(3 suppl):103–9, 1976 (31 ref.)

Action of releasing factors on unit activity in the forebrain. Dyer RG, et al. **Prog Brain Res** 42:69, 1975

Prolyl–leucyl–glycine amide (PLG) and thyrotropin–releasing hormone (TRH): DOPA potentiation and biogenic amine studies. Plotnikoff NP. **Prog Brain Res** 42:11–23, 1975

Behavioral effects of hypothalamic releasing hormones in animals and men. Prange AJ Jr, et al. **Prog Brain Res** 42:1–9, 1975 (49 ref.)

Interactions of the tripeptide pyroglutamyl–histidyl–proline amide (thyrotropin–releasing hormone) with brain norepinephrine metabolism: evidence for an extrahypophyseal action of TRH on central nervous system function. Stolk JM, et al. **Prog Brain Res** 42:47–56, 1975

Thyrotropin releasing hormone (TRH) as a possible quick–acting but short–lasting antidepressant. Van den Burg W, et al. **Psychol Med** 5(4):404–12, Nov 75

Influence of thyrotropin releasing hormone (TRH) on drug–induced narcosis and hypothermia in rabbits. Horita A, et al. **Psychopharmacol Bull** 49(1):57–62, 26 Aug 76

Thyrotropin–releasing hormone (TRH)–induced hyperthermia and behavioral excitation in rabbits. Horita A, et al. **Psychopharmacol Commun** 1(4):403–14, 1975

Thyrotropin–releasing hormone (TRH) and its beta–alanine analogue: potentiation of the anticonvulsant potency of phenobarbital in mice. Nemeroff CB, et al. **Psychopharmacol Commun** 1(3):305–17, 1975

Pituitary TSH response to TRH: interrelationships with gonadal activity. Valenti G, et al. **Ric Clin Lab** 6(7):69–78, Jan–Mar 76

The effect of prolonged lithium carbonate administration on the thyrotrophin and prolactin response to thyrotrophin–releasing hormone. Epstein S, et al. **S Afr Med J** 49(47):1977–9, 8 Nov 75

[Prolactin secretion on the administration of thyrotropin–releasing hormone in patients with thyroid function disorder (author's transl)] Nedvídková J, et al. **Cas Lek Cesk** 114(33):1011–3, 15 Aug 75 (Eng. Abstr.) **(Cze)**

[TSH responses to TRH in the addisonians (author's transl)] Shimizu M, et al. **Ann Endocrinol (Paris)** 36(6):317–20, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Optical microscopic study of the effect of the hypothalamic hormone T.R.H. on certain cell types of rat anterior hypophysis] Durand N, et al. **C R Soc Biol (Paris)** 169(2):334–8, 1975 (Eng. Abstr.) **(Fre)**

[TRH: experimental psychopharmacological data] Simon P, et al. **Therapie** (4):485–97, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Hemodynamic effects after i.v. application of thyrotropin releasing factor (author's transl)] Abplanalp HA. **Arzneim Forsch** 26(2):271–7, Feb 76 (Eng. Abstr.) **(Ger)**

[Stimulation of growth hormone and prolactin secretion with TRH in acromegaly (author's transl)] von Werder K, et al. **Klin Wochenschr** 54(7):335–8, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Behavior of the TSH level in thyroidectomized patients after thyrotropin releasing hormone (TRH)] Piaszek L, et al. **Nucl Med (Stuttg)** 15(1):43–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Changes in the TSH and thyroxine level in the serum of obese subjects following administration of TRH] Martino E, et al. **Folia Endocrinol (Roma)** 27(1):99–103, Feb 74 **(Ita)**

[Serum prolactin response to thyrotropin–releasing hormone in normal subjects and in patients with thyroid diseases (author's transl)] Onishi T, et al. **Folia Endocrinol Jpn** 51(3):161–5, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Effect of TRH on Achilles tendon reflex] Stopczyk K. **Endokrynol Pol** 26(3):277–82, May–Jun 75 (Eng. Abstr.) **(Pol)**

[Response of thyrotropin (TSH) to the stimulation with hypothalamic releasing factor (TRF) in hypothyroid children] Avila E, et al. **Bol Med Hosp Infant Mex** 32(6):1021–31, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

[Stimulation test with synthetic thyrotropin releasing hormone (TRH) in the diagnosis of thyroid diseases (author's transl)] Pineda G, et al. **Rev Med Chil** 103(2):98–102, Feb 75 (Eng. Abstr.) **(Spa)**

[Pituitary and thyroid reserve test in the early diagnosis of hypothyroidism (author's transl)] Pineda G. **Rev Med Chil** 103(2):103–9, Feb 75 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The hypothalamic regulatory hormones and their clinical applications. Hall R, et al. **Adv Clin Chem** 18:173–212, 1976 (120 ref.)

Effect of pharmacological blockade of ACTH and TSH secretion on the acute stimulation of prolactin release by exposure to cold and ether stress. Jobin M, et al. **Endocrinology** 99(1):146–51, Jul 76

Thyrotropin releasing hormone interactions with an anterior pituitary membrane receptor. pp. 182–8. Wilber JF, et al.

In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Control of anterior pituitary hormone secretion. Hypothalamic peptides and their interactions. pp. 180–95. Grant G, et al.

In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973. (39 ref.)

Hypothalamic hypophysiotropic hormones. pp. 317–35. Fleischer N, et al.

In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (47 ref.)

Behavioral effects of hypothalamic polypeptide hormones in animals and man. pp. 15–29. Lipton MA, et al.

In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975. (85 ref.)

Gonadotropin–releasing hormone and thyrotropin–releasing hormone: distribution and effects in the central nervous system. Wilber JF, et al. **Recent Prog Horm Res** 32:117–59, 1976

[Hypothalamic control of thyroid function (author's transl)] Höschl C, et al. **Cas Lek Cesk** 114(47):1449–52, 21 Nov 75 (Eng. Abstr.) **(Cze)**

[The effect of iodide on the TRH–induced release of HTSH, T4 and T3 in euthyroid subjects (author's transl)] Haydl H, et al. **Wien Klin Wochenschr** 87(22):747–51, 28 Nov 75 (Eng. Abstr.) **(Ger)**

SECRETION

Establishment of a TSH–releasing–hormone–secreting cell line from the area cerebrovascular of an anencephalic foetus. Ishikawa H, et al. **Am J Anat** 145(1):143–8, Jan 76

Regulation of the hypophysiotropic secretions of the brain. Reichlin S. **Arch Intern Med** 135(10):1350–61, Oct 75

Binding of thyrotropin releasing hormone and prolactin release by synchronized GH3 rat pituitary cell line. Faivre–Bauman A, et al. **Biochem Biophys Res Commun** 67(1):50–7, 3 Nov 75

Release of immunoreactive luteinising hormone–releasing hormone and thyrotrophin–releasing hormone from hypothalamus. Bennett GW, et al. **Nature** 257(5524):323–5, 25 Sep 75

[Letter: TRH–sulpiride interrelations on prolactin secretion] Portioli I, et al. **Nouv Presse Med** 5(14):931, 3 Apr 76 **(Fre)**

[TRH (Thyrotropin Releasing Hormone) test in normal children and in children with various forms of thyroid diseases] Cacciari E, et al. **Minerva Pediatr** 27(29):1580–5, 22 Sep 75 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Behavioral effects of L–dopa and thyrotropin–releasing hormone in schizophrenic patients: a preliminary report. Inanaga K, et al. **Folia Psychiatr Neurol Jpn** 29(3):197–205, 1975

Paradoxical modulation of thyrotrope responsiveness to TRH during the treatment of thyrotoxic patients: apparent absence of feed–back regulation. Golstein J, et al. **Horm Metab Res** 8(2):128–31, Mar 76

Familial partial target organ resistance to thyroid hormones. Elewaut A, et al. **J Clin Endocrinol Metab** 43(3):575–81, Sep 76

Proceedings: Chronic oral administration of thyrotrophin releasing hormone in the treatment of hypothalamic hypothyroidism. Hooper MJ, et al. **J Endocrinol** 67(2):44P, Nov 75

Letter: Thyrotropin–releasing hormone in chronic schizophrenia. Bigelow LB, et al. **Lancet** 2(7940):869–70, 1 Nov 75

Effects of acute and chronic administration of TRH on TSH and prolactin secretion in normal and hypothyroid rats. D'Angelo SA, et al. **Neuroendocrinology** 18(2):161–75, 1975

Effects of thyrotropin–releasing hormone in minimal brain dysfunction. Tiwary CM, et al. **Pediatrics** 56(1):119–21, Jul 75

TRH as a possible quick–acting but short–lasting antidepressant. van den Burg W, et al. **Prog Brain Res** 42:68–9, 1975

TRH treatment in psychiatric patients—effects on the pituitary–thyroid axis and on the EEG sleep pattern. Cassano GB, et al. **Psychopharmacol Bull** 11(4):66–7, Oct 75

Proceedings: Thyrotropin releasing hormone in depression: clinical and endocrinological findings. Pecknold JC, et al. **Psychopharmacol Bull** 12(1):44–8, Jan 76

Therapeutic failure of oral thyrotropin–releasing hormone in depression. Kiely WF, et al. **Psychosom Med** 38(4):233–41, Jul–Aug 76

[Use of TRH in neuropsychiatric therapy] Deniker P. **Therapie** (4):505–8, Jul–Aug 75 **(Fre)**

[Hypothalamic therapies. Conclusions] Lemarchand–Beraud T. **Therapie** (4):535–8, Jul–Aug 75 **(Fre)**

[Hypothalamic hormones and depressive conditions] Schott B, et al. **Therapie** (4):499–504, Jul–Aug 75 **(Fre)**

[The effect of thyrotrophin releasing hormone versus placebo in combination with basic imipramine therapy of depressive patients] Benkert O, et al. **Arzneim Forsch** 26(6):1162–4, 1976 (Eng. Abstr.) **(Ger)**

[The influence of thyrotrophin–releasing hormone (TRH) on depression in the alcohol withdrawal syndrome (author's transl)] Loosen PT, et al. **Arzneim Forsch** 26(6):1164–6, 1976 (Eng. Abstr.) **(Ger)**

URINE

Diurnal variation of the human urinary TRH excretion measured by radioimmunoassay. Utsumi M, et al. **Endocrinol Jpn** 22(6):509–16, Dec 75

Problems in the measurement of urinary TRH. Vagenakis AG, et al. **J Clin Endocrinol Metab** 41(4):801–4, Oct 75

THYROXINE

Preparation of 125I–thyroxine and 125I–triiodothyronine of high specific activity for the radioimmunoassay of serum total T4 and T3. Thurlow VR, et al. **Ann Clin Biochem** 13(2):364–8, Mar 76

Estimation of the maximal T4–binding capacity of TBG using the Triosorb test in serum treated with dextran–coated charcoal. Yoshimura M, et al. **Endocrinol Jpn** 22(3):199–205, Jun 75

Thyroxine–induced hyperthyroidism upon the reproductive performance of female rats. Lu MH, et al. **Horm Res** 6(2):85–94, 1975

Thyroxine–protein interactions. Interaction of thyroxine and triiodothyronine with human thyroxine–binding globulin. Korcek L, et al. **J Biol Chem** 251(12):3558–62, 25 Jun 76

Studies on thyroid hormone–binding proteins. II. Binding of thyroid hormones, retinol–binding protein, and fluorescent probes to prealbumin and effects of thyroxine on prealbumin subunit self association. Nilsson SF, et al. **J Biol Chem** 250(21):8554–63, 10 Nov 75

Transient hypothyroidism after withdrawal of thyroxin therapy. Distiller LA, et al. **Postgrad Med J** 51(599):665–6, Sep 75

[Investigation on the synthesis of 125I labelled triiodothyronine and thyroxine of high specific radioactivity (author's transl)] Ködding R, et al. **Z Klin Chem Klin Biochem** 13(12):563–9, Dec 75 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Influence of injection route on radiothyroxine kinetics in brook trout, Salvelinus fontinalis (Mitchill). Higgs DA, et al. **Can J Zool** 54(2):255–9, Feb 76

Letter: Levothyroxine dosage after thyroidectomy for metastatic papillary cancer. Caplan H. **JAMA** 236(5):448, 2 Aug 76

[Repercussions of hypothyroidism on the synaptogenesis of the rat cerebellar cortex: quantitative study of the thyroid hormone effect according to the age (author's transl)] Rebière A, et al. **Acta Neuropathol (Berl)** 35(2):117–29, 15 Jun 76 (Eng. Abstr.) **(Fre)**

[Evaluation of reliable pituitary suppression therapy through varying thyroid hormone dosage following total thyroidectomy due to a differentiated thyroid carcinoma] Wahl R, et al. **Langenbecks Arch Chir** Suppl:469–74, 1975 (Eng. Abstr.) **(Ger)**

[Principals of hormone substitution in thyrectomized patients with carcinoma of the thyroid gland (author's transl)] Hüfner M, et al. **Radiologe** 15(6):245–50, Jun 75 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Dose–relation of thyroxine–induced changes in myocardial energy stores. Rackwitz R, et al. **Recent Adv Stud Cardiac Struct Metab** 8:485–91, 1975

ANALOGS & DERIVATIVES

Reduction of serum lipids by means of etiroxate (Liponorm). Lageder H, et al. **Atherosclerosis** 22(3):473–84, Nov–Dec 75

Isopropyldiiodothyronine and alpha–methylthyroxine: comparison of their in vitro and in vivo effects with those of thyroid hormones. Zenker N, et al. **Biochem Pharmacol** 25(15):1757–62, 1 Aug 76

Interaction between thyroid hormones and erythrocyte membranes: competitive inhibition of binding 131 I–L–triiodothyronine and 131 I–L–thyroxine by their analogs. Singh SP, et al. **Endocr Res Commun** 3(2):119–31, 1976

Theoretical studies of thyroid hormone analogs. Kollman PA, et al. **Experientia** suppl 23:193–7, 1976

Effect of thyroid hormones and analogues on ammonia and urea excretion in lata fish (Ophicephalus punctatus). Ray AK, et al. **Gen Comp Endocrinol** 29(2):190–7, Jun 76

Confromation of thyroid hormone analogues. Emmett JC, et al. **Nature** 257(5524):334–6, 25 Sep 75

Estimation of tetraiodothyroacetate in human serum. Ramsden DB, et al. **Proc R Soc Med** 68(2):69–70, Feb 75

ANALYSIS

Radioimmunoassay and saturation analysis. Thyroid hormones. Burke CW, et al. **Br Med Bull** 30(1):93–9, Jan 74

Thyroidal triiodothyronine and thyroxine in Graves' disease: correlation with presurgical treatment, thyroid status, and iodine content. Larsen PR. **J Clin Endocrinol Metab** 41(06):1098–104, Dec 75

Iodoamino acid content and distribution in normal and abnormal human thyroids. Volpert EM, et al. **J Clin Endocrinol Metab** 41(3):446–52, Sep 75

Thyroxine in human amniotic fluid. Sack J, et al. **J Pediatr** 87(3):364–8, Sep 75

Thyroxine in human amniotic fluid. Sack J, et al. **J Pediatr** 87(3):364–8, Sep 75

Kinetic measurement of T4 following column chromatography. de Vries HP. **Z Klin Chem Klin Biochem** 13(3):97–9, Mar 75

Thyroxine content in the thyroid gland of domestic animals.

VIII. Levels of thyroid gland of Egyptian buffaloes at various reproductive stages. Abdel-Wahab MF, et al. **Zentralbl Veterinaermed [A]** 23(05):408–12, Jul 76

ANTAGONISTS & INHIBITORS

Effect of propranolol on thyroxine-induced changes in body temperature and metabolism during exercise in dogs. Uściłko HK, et al. **Acta Physiol Pol** 27(1):33–8, Jan–Feb 76

In vivo reversal of thyroxine induction of DNA synthesis by dibutyrly cyclic AMP in developing rat cerebellum. Weichsel ME, et al. **J Neurol Sci** 28(1):77–82, May 76

BIOSYNTHESIS

Evidence for differential synthesis of thyroxine and tri-iodothyronine by cultured human thyroid cells following exposure to thyrotrophin or dibutyryl cyclic AMP. Bidey SP, et al. **Biochem Biophys Res Commun** 70(2):418–24, 17 May 76

Defective thyroglobulin synthesis in an experimental rat thyroid tumor: iodination and thyroid hormone synthesis in isolated tumor thyroglobulin. Monaco F, et al. **Endocrinology** 97(2):347–51, Aug 75

Formation of 3,3'-diiodothyronine and 3',5',3-triiodothyronine (reverse T3) in thyroid glands of rats and in enzymatically iodinated thyroglobulin. Taurog A, et al. **Endocrinology** 99(1):281–90, Jul 76

[Proceedings: In vitro thyroid hormone formation (author's transl)] Pommier J, et al. **Ann Endocrinol (Paris)** 36(3):167–8, May–Jun 75 (Eng. Abstr.) **(Fre)**

[In vitro biosynthesis of iodothyronines from diiodo-3,5-L-tyrosyl-diiodo-3,5-L-tyrosine (author's transl)] Maurizis JC, et al. **Biochim Biophys Acta** 404(2):188–201, 9 Oct 75 (Eng. Abstr.) **(Fre)**

[Effect of coffee and Cafipel on neurohormone release in man] Sulman FG, et al. **Harefuah** 89(4):157–9, 15 Aug 75 (Eng. Abstr.) **(Heb)**

BLOOD

Normal response to thyrotrophin releasing hormone (TRH) in familial thyroxine-binding globulin deficiency. Hansen E, et al. **Acta Endocrinol (Kbh)** 80(2):279–301, Oct 75

Human lymphocyte binding and deiodination of thyroid hormones in relation to thyroid function. Holm AC, et al. **Acta Endocrinol (Kbh)** 80(4):642–56, Dec 75

Acute redistribution of thyroxine after the administration of univalent anions, salicylate, theophylline and barbiturates in rats. Langer P, et al. **Acta Endocrinol (Kbh)** 81(3):516–24, Mar 76

Rapid simultaneous radioimmunoassay for the measurement of triiodothyronine and thyroxine in unextracted human serum. Ljunggren JG, et al. **Acta Endocrinol (Kbh)** 81(3):487–94, Mar 76

The thyroid in ulcerative colitis and Crohn's disease. V. Triiodothyronine. Effect of corticosteroids and influence of severe disease. Järnerot G, et al. **Acta Med Scand** 199(3):229–32, 1976

Wool growth rate in relation to plasma catecholamine and serum total thyroxine concentrations in growing lambs. Reklewska B. **Acta Physiol Pol** 26(5):461–70, Sep–Oct 75

Effect of thyroid stimulating hormone on the circulating thyroxine concentration in ducks (short communication). Pethes G, et al. **Acta Vet Acad Sci Hung** 25(1):113–4, 1975

Measurements of free and total serum T3 and T4 in pregnant subjects and in neonates. Avruskin TW, et al. **Am J Med Sci** 271(3):309–15, May–Jun 76

Thyroid function in human pregnancy. IX. Development or retardation of 7-year-old progeny of hypothyroxinemic women. Man EB, et al. **Am J Obstet Gynecol** 125(7):949, 1 AUG 76

Observations on the automated calculation of radioimmunoassay results. Challand GS, et al. **Ann Clin Biochem** 13(2):354–60, Mar 76

Serum tri-iodothyronine, thyroxine, and thyrotrophin concentrations in newborns during the first 2 days of life. Similä S, et al. **Arch Dis Child** 50(7):565–7, Jul 75

T4 thyrotoxicosis with normal or low serum T3 concentration. Joasoo A. **Aust NZ J Med** 5(5):432–4, Oct 75

Serum hormone levels following partial hepatectomy in the rat. Morley CG, et al. **Biochem Biophys Res Commun** 67(2):653–61, 17 Nov 75

Effect of althesin (CT-1341) on thyroid-adrenal function in man. Oyama T, et al. **Br J Anaesth** 47(8):837–40, Aug 75

The predictive value of thyroid 'test profile' in habitual abortion. Winikoff D, et al. **Br J Obstet Gynaecol** 82(9):760–6, Sep 75

Thyroid hormones in the elderly sick: 'T4 euthyroidism'. Burrows AW, et al. **Br Med J** 4(5994):437–9, 22 Nov 75

Circulating thyroid hormone concentrations and posture and venous compression. Judd SJ, et al. **Br Med J** 4(5999):735–6, 27 Dec 75

Thyroxine concentrations in plasma of normal and hypophysectomized hagfish, Myxine glutinosa (Cyclostomata). Henderson NE. **Can J Zool** 54(2):180–4, Feb 76

Triiodothyronine and thyroxine interrelationships in health and disease. Walfish PG. **Can Med Assoc J** 115(4):338–42, 21 Aug 76

Assay of serum thyroxine by competitive protein binding: reuse of disposable sephadex columns. Bastomsky CH, et al. **Clin Biochem** 9(2):89–92, Apr 76

Use of polyethylene glycol in separating bound from unbound ligand in radioimmunoassay of thyroxine. Cheung MC, et al. **Clin Chem** 22(3):299–304, Mar 76

Factors influencing results for thyroxine concentration in blood, as measured in paper filter spots in a screening program for neonatal hypothyroidism. Dussault JH, et al. **Clin Chem** 22(8):1392–3, Aug 76

Letter: Free thyroxine index vs. free thyroxine concentration in inherited partial thyroxine binding globulin (TBG) deficiency. Premachandra BN, et al. **Clin Chem** 22(8):1408, Aug 76

Solid-phase radioimmunoassay of thyroxine in untreated serum. Seth J, et al. **Clin Chem** 21(10):1406–13, Sep 75

Interference of fatty acids in the competitive protein-binding assay for serum thyroxine. Shaw W, et al. **Clin Chem** 22(5):673–8, May 76

Thyroid-function tests in diphenylhydantoin-treated patients. Stjernholm MR, et al. **Clin Chem** 21(10):1388–92, Sep 75

An evaluation of three commercially prepared anion-exchange resin columns for separation of tetraiodothryonine in serum. Agnese ST, et al. **Clin Chim Acta** 69(2):285–91, 1 Jun 76

Semi-automated competitive protein binding analysis of serum thyroxine on reusable Sephadex columns and its advantages over radioimmunoassay. Alexander NM. **Clin Chim Acta** 69(2):293–8, 1 Jun 76

Clinical evaluation of new indicators of free thyroxine concentration and thyroxine-binding globulin capacity. Hamada S, et al. **Clin Chim Acta** 63(2):129–37, 1 Sep 75

Comparison of serum free thyroxine indices and 'corrected' thyroxine tests. Liewendahl K, et al. **Clin Chim Acta** 64(3):263–72, 3 Nov 75

Solid-phase, magnetic particle radioimmunoassay. Nye L, et al. **Clin Chim Acta** 69(3):387–96, 15 Jun 76

A simple and rapid thyroxine radioimmunoassy (T4-RIA) in unextracted human serum; a comparison of T4-RIA and T4 displacement assay, T4(D), in normal and pathologic sera. Premachandra BN, et al. **Clin Chim Acta** 70(1):43–60, 1 Jul 76

Simple solid-phase radioimmunoassays for total tri-iodothyronine and thyroxine in serum, and their clinical evaluation. Seth J, et al. **Clin Chim Acta** 68(3):291–301, 3 May 76

The relationship between serum creatine kinase and thyroid hormones: in vivo and in vitro studies. Smith DP. **Clin Chim Acta** 68(3):333–8, 3 May 76

The influence of thyroxine on the serum free triiodothyronine concentration. Yamamoto T, et al. **Clin Chim Acta** 67(3):223–30, 15 Mar 76

Delayed adjustment of the pituitary response to variations in circulating thyroid hormones in a case of subacute thyroiditis. Demeester-Mirkine N, et al. **Clin Endocrinol (Oxf)** 5(1):9–13, Jan 76

Further studies on response of blood thyroid hormone level to its acute depletion by isovolemic exchange transfusion. Langer P, et al. **Endocrinol Exp (Bratisl)** 10(1):23–8, Mar 76

Altered response of blood thyroxine level after its acute depletion by isovolemic exchange transfusion in rats with lesions in hypothalamus and thalamus. Langer P, et al. **Endocrinol Exp (Bratisl)** 10(1):29–36, Mar 76

Increase of serum free thyroxine after propylthiouracil in vitro or its peroral administration to rats. Michajlovskij N, et al. **Endocrinol Exp (Bratisl)** 10(1):13–21, Mar 76

Changes in plasma thyroxine, triiodothyronine, and TSH during adaptation to iodine deficiency in the rat. Fukuda H, et al. **Endocrinology** 97(2):307–14, Aug 75

Changes in plasma thyrotrophin, thyroxine, and triiodothyronine after acute or chronic administration of iodide to iodine-deficient rats. Fukuda H, et al. **Endocrinology** 97(5):1196–204, Nov 75

Nyctohemeral and sex-related variations in plasma thyrotropin, thyroxine and triiodothyronine. Fukuda H, et al. **Endocrinology** 97(6):1424–31, Dec 75

Pituitary-thyroid axis in neonatal and adult rats: comparison of the sexes. Kieffer JD, et al. **Endocrinology** 98(2):295–304, Feb 76

Influence of superoxide dismutase and catalase on the stimulation by phagocytosis of L-thyroxine and L-triiodothyronine deiodination in the human leukocyte. Woeber KA. **Endocrinology** 99(3):887–90, Sep 76

Serum thyroxine estimation: clinical evaluation of a modified semiautomated method and its ability for differential diagnosis of thyroid diseases. Bednář J, et al. **Endokrinologie** 66(3):324–31, Dec 75

Blood serum thyroxine and triiodothyronine in men over sixty. Pawlikowski T, et al. **Endokrynol Pol** 26(6):593–601, Nov–Dec 75

Measurement of serum total thyroxine concentration by competitive binding assay with use of dextran coated charcoal adsorption. Snarski A. **Endokrynol Pol** 27(3):275–80, May–Jun 76

Plasticity of the hormone receptors and possibility of their deformation in neonatal age. Csaba G, et al. **Experientia** 32(5):651–2, 15 May 76

Influence of bovine TSH on plasma thyroxine levels and thyroid function in brook trout, Salvelinus fontinalis (Mitchill). Chan HH, et al. **Gen Comp Endocrinol** 28(4):461–72, Apr 76

Circulating thyroid hormones in the chicken before and after hatching. Davison TF. **Gen Comp Endocrinol** 29(1):21–7, May 76

Serum thyroxine concentrations in the pacific hagfish and lamprey and in the leopard frog. Packard GC, et al. **Gen Comp Endocrinol** 28(3):365–7, Mar 76

Triiodothyronine withdrawal-a possible test for hypothalamic-pituitary-thyroid adequacy. de Vries HP, et al. **Horm Metab Res** 8(2):132–6, Mar 76

Variations of thyroxine (T3 and T4) during thyroid surgery. pp. 353–6. Garcia Perla JL, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Genetic control of thyroxine transport. pp. 323–30. Robbins J. **In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.**

Serum levels of T3, T4 and TSH after different modes of TRH administration. pp. 136–40. Loos U, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Serum thyroxine concentration in sows housed in a subtropical area. Wan WC, et al. **J Anim Sci** 41(1):124–8, Jul 75

Circadian variations in concentrations of plasma thyroxine and triiodothyronine in man. Balsam A, et al. **J Appl Physiol** 39(2):297–9, Aug 75

Correlation of long-acting thyroid stimulator with serum levels of tri-iodothyronine, thyroxine and thyrotropin in Graves' disease. Sawhney RC, et al. **J Assoc Physicians India** 23(2):111–4, Feb 75

Plasma thyrotropin, thyroxine, and triiodothyronine relationships in man. Azukizawa M, et al. **J Clin Endocrinol Metab** 43(3):533–42, Sep 76

Resin hemoperfusion: a method of removing circulating thyroid hormones. Burman KD, et al. **J Clin Endocrinol Metab** 42(1):70–8, Jan 76

Sensitivity to lithium in treated Graves' disease: effects on serum T4, T3 and reverse T3. Burman KD, et al. **J Clin Endocrinol Metab** 43(3):606–13, Sep 76

A new extractant for serum thyroxine by enzymatic digestion of thyroxine binding proteins. Chau KH, et al. **J Clin Endocrinol Metab** 42(1):189–92, Jan 76

Dexamethasone suppression of serum T3 and T4. Degroot LJ, et al. **J Clin Endocrinol Metab** 42(5):976–8, May 76

The significance of partial suppressibility of serum thyroxine by triidothyronine administration in euthyroid man. Duick DS, et al. **J Clin Endocrinol Metab** 41(2):229–34, Aug 75

Hyperthyroidism with normal concentrations of total serum thyroxine and triiodothyronine. Gerstner JB, et al. **J Clin Endocrinol Metab** 42(1):64–9, Jan 76

Serum thyroxine and thyroxine-binding proteins in chronic renal failure without nephrosis. Neuhaus K, et al. **J Clin Endocrinol Metab** 41(2):395–8, Aug 75

Total and free thyroxine and triiodothyronine in normal and complicated pregnancy. Osathanondh R, et al. **J Clin Endocrinol Metab** 42(1):98–104, Jan 76

Measurements of free thyroxine: comparison of per cent of free thyroxine in diluted and undiluted sera. Uchimura H, et al. **J Clin Endocrinol Metab** 42(3):561–6, Mar 76

Reduced peripheral conversion of thyroxine to triiodothyronine in patients with hepatic cirrhosis. Nomura S, et al. **J Clin Invest** 56(3):643–52, Sep 75

A comparative study of serum total thyroxine estimation on unextracted serum by radioimmunoassay and by competitive protein binding. Marsden P, et al. **J Clin Pathol** 28(8):608–12, Aug 75

Introduction of a rapid, simple radioimmunoassay and quality control scheme for thyroxine. Nye L, et al. **J Clin Pathol** 29(5):453–7, May 76

Proceedings: Thyroxine levels in streptozotocin-, insulin, and glibenclamide-treated rats. Brown TJ, et al. **J Endocrinol** 68(3):21P–22P, Mar 76

A radioimmunoassay for thyroxine in unextracted serum. Filetti S, et al. **J Nucl Biol Med** 19(2):86–93, Apr–Jun 75

A comparison of in vitro methods in the assessment of thyroid status. Gimlette TM, et al. **J Nucl Biol Med** 19(3):155–61, Jul–Sep 75

Stability of radiothyroxine plasma disappearance curve despite catharsis and unblocked thyroidal uptake of radioiodide. Hays MT. **J Nucl Med** 17(7):657–9, Jul 76

Measurements of the effective thyroxine ratio (ETR) in the neonate, infant, and child. Shenkman L, et al. **J Nucl Med** 16(10):955–6, Oct 75

Simultaneous measurement of percentage free thyroxine and triiodothyronine: comparison of equilibrium dialysis and Sephadex chromatography. Snyder SM, et al. **J Nucl Med** 17(7):660–4, Jul 76

Postnatal changes in total and free thyroxine and triiodothyronine in foal serum. Irvine CH, et ai. **J Reprod Fertil [Suppl]** (23):709–15, Oct 75

Solitary hyperfunctioning thyroid adenoma in a child. Elevated T3 and T4 levels with normal TSH level. Taylor HC. **JAMA** 234(12):1253–5, 22 Dec 75

Letter: T4 toxicosis. **Lancet** 2(7936):660, 4 Oct 75

Letter: Thyroid hormones in serious non-thyroidal illness. **Lancet** 1(7968):1070–1, 15 May 76

Relation of thyroid hormones to body-weight. Bray GA, et al. **Lancet** 1(7971):1206–8, 5 Jun 76

Tests of thyroid function. Larsen PR. **Med Clin North Am** 59(5):1063–74, Sep 75 (21 ref.)

Radio-immunoassay of thyroxine in unextracted serum. Visser TJ, et al. **Neth J Med** 18(3):111–5, 1975

Thyroxine (T4) immunoassay using a filter paper blood samples for screening of neonates for hypothyroidism. Larsen PR, et al. **Pediatr Res** 9(7):604–9, Jul 75

Letter: Another view of data on serum thyroxine in RDS. Mortimer EA. **Pediatrics** 56(3):486, Sep 75

Total and free thyroxine in patients with liver cirrhosis. Gembicki M, et al. **Pol Med Sci Hist Bull** 15(2):213–6, Apr–Jun 76

Thyroxine and triiodothyronine in blood after ingestion of iodinated casein by chicks. Newcomer WS. **Poult Sci** 55(1):60–9, Jan 76

Specific endocrine and hormonal receptor changes associated with liver regeneration in adult rats. Leffert H, et al. **Proc Natl Acad Sci USA** 72(10):4033–6, Oct 75

Changes in blood hormone levels during the immune response. Besedovsky H, et al. **Proc Soc Exp Biol Med** 150(2):466–70, Nov 75

The influence of dietary iodine on lithium blood level, serum T4 and thyroid gland weight. Sanghvi I, et al. **Psychopharmacol Commun** 1(4):437–44, 1975

Plasma thyroxine concentrations in ewes and their fetuses during the last six weeks of pregnancy. Mellor DJ, et al. **Res Vet Sci** 21(1):102–3, Jul 76

Normal values of thyroxine and triiodo–thyronine retention in the rat. Valores normais de tiroxina e retenção de triiodo–tironina em ratos. Lara PF, et al. **Rev Bras Pesqui Med Biol** 8(5–6):363–7, Sep–Dec 75

Thyroxine, triiodothyronine, and thyrotropin in serum during long–term diphenylhydantoin therapy. Liewendahl K, et al. **Scand J Clin Lab Invest** 36(2):141–4, Mar 76

The influence of fatty acids on serum thyroxine determination by competitive protein–binding radioassay. Rootwelt K. **Scand J Clin Lab Invest** 35(7):649–53, Nov 75

[Changes in the indexes of 'unbound' thyroxin in the treatment of obesity (author's transl)] Felt V, et al. **Cas Lek Cesk** 115(7):196–200, 20 Feb 76 (Eng. Abstr.) **(Cze)**

[Our experiences with thyroxin level determination by means of thyro–con sets (author's transl)] Límanová Z, et al. **Cas Lek Cesk** 114(24):728–31, 13 Jun 75 (Eng. Abstr.) **(Cze)**

[Determination of iodinated compounds in the blood. IV. Some interfering influences on the microchemical determination of thyroxine] Bednář J, et al. **Cesk Farm** 24(7):299–303, Sep 75 (Eng. Abstr.) **(Cze)**

[Current methods for the determination of serum thyroxine and triiodothyronine (analytical review)] Bednář J. **Cesk Farm** 24(10):445–8, Dec 75 **(Cze)**

[Triiodothyronine and thyroxine in the blood of patients with thyroid diseases after oral administration of thyrotropin releasing hormone (TRH)] Nedvídková J, et al. **Vnitr Lek** 22(5):457–60, May 76 (Eng. Abstr.) **(Cze)**

[Materno–fetal thyroid interrelations immediately after delivery] Colan M, et al. **Agressologie** 16(6):389–91, 1975 **(Fre)**

[Proceedings: Pituitary thyroid axis in subacute thyroiditis (author's transl)] Berthezène F, et al. **Ann Endocrinol (Paris)** 36(3):169–70, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Serum level of thyroxine (T4) and triiodothyronine (T3) in patients with congenital goiter] Grenier G, et al. **Ann Endocrinol (Paris)** 35(4):451–6, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Radioimmunologic determination of thyroxine in dried blood taken on blotting paper. Application ot neonaltal detection of hypothyroidism] Dutau G, et al. **Arch Fr Pediatr** 32(10):957–70, Dec 75 (Eng. Abstr.) **(Fre)**

[Letter: Triiodothyronine and thyroxine in cord blood] Croizet M, et al. **Nouv Presse Med** 4(24):1814, 14 Jun 75 **(Fre)**

[Biological changes in 88 cases of Basedow's disease treated by radioactive iodine] Schrub JC, et al. **Nouv Presse Med** 5(21):1346–8, 22 May 76 (Eng. Abstr.) **(Fre)**

[Letter: Progress in thyroid function testing. Radiologic determination of thyroxine (T4–R)] Vallée G, et al. **Nouv Presse Med** 4(20):1509, 17 May 75 **(Fre)**

[False radioimmuno–assay of thyroxine and triiodothyronine in the presence of hormone–binding autoantibodies in serum (author's transl)] Herrmann J, et al. **Dtsch Med Wochenschr** 101(25):966–8, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Malate dehydrogenase and lactate dehydrogenase in the serum of hyperthyroxinemic and hypothyroid rats] Hübner G, et al. **Endokrinologie** 66(3):377–80, Dec 75 (Eng. Abstr.) **(Ger)**

[The behavior of lipoproteins, cholesterol, triglycerides, free fatty acids and free glycerol in serum of rats with experimental hyperthyroxinemia and hypothyreosis] Hübner G, et al. **Endokrinologie** 67(1):60–6, Mar 67 (Eng. Abstr.) **(Ger)**

[The behavior of the ketone bodies acetoacetate and D(–)–3–hydroxybutyrate in the blood of hyperthyroxinemic and hypothyreote rats] Hübner G, et al. **Endokrinologie** 65(2):165–70, 1975 (Eng. Abstr.) **(Ger)**

[Diurnal rhythms of thyroid hormones in rooster chicks (Gallus domesticus). 2. Studies on the protein–bound radioiodine and the 'free' hormone portion] Krebietke P. **Endokrinologie** 65(1):42–52, Feb 75 (Eng. Abstr.) **(Ger)**

[Cooperative survey for the determinations of L–triiodothyronine (T3) and L–thyroxine (T4): critical evaluation of methods employed (author's transl)] Horn K, et al. **J Clin Chem Clin Biochem** 14(7):353–60, Jul 76 (Eng. Abstr.) **(Ger)**

[TSH and T4–level in newborn infants with congenital struma] Schreiber R, et al. **Monatsschr Kinderheilkd** 123(5):451–3, May 75 **(Ger)**

[The effect of contrast media containing iodine on selected in vitro thyroid test procedures (author's transl)] Bockslaff H, et al. **Munch Med Wochenschr** 118(1):1–6, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Comparative studies on the clinical accuracy of two 'competitive–binding–assays' for the determination of effective serum thyroxine] Zechmann W, et al. **Nucl Med (Stuttg)** 14(2):119–24, 30 June 75 (Eng. Abstr.) **(Ger)**

[Behavior of the ETR test after suppression and stimulation in functional disorders of the thyroid gland] Kleinau E, et al. **Radiobiol Radiother (Berl)** 16(6):767–71, 1975 (Eng. Abstr.) **(Ger)**

[Serum tiiodothyronine and thyroxine concentrations as well as the suppressive effect following short–term and long–term administration of L–thyroxine alone or combined with L–triiodothyronine] Rudorff KH, et al. **Verh Dtsch Ges Inn Med** 81:1559–63, 1975 **(Ger)**

[Experiences in the determination of thyroxine iodine in serum in various functional conditions of the thyroid gland] Hempel RD, et al. **Z Gesamte Inn Med** 30(24):782–6, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[The behavior of glucose, thyroxine, vitamin A, beta–carotene, methionine, and vitamin B12 in the blood of primiparous cattle during puerperium] Stöcki VW, et al. **Z Tierphysiol** 35(5):281–8, Sep 75 **(Ger)**

[A new radioisotope method for the in vitro determination of the serum thyroxin level] Martonffy K, et al. **Orv Hetil** 117(1):19–21, 4 Jan 76 **(Hun)**

[Effective thyroxine rate (ETR) in newborn infants during exchange transfusion] Péter F, et al. **Orv Hetil** 117(10):591–2, 7 Mar 76 **(Hun)**

[Thyroxine and triiodothyronine] Pinchera A, et al. **Ann Ist Super Sanita** 11(1–2):45–60, 1975 (Eng. Abstr.) **(Ita)**

[Neonatal thyroid function. TSH, T3 and effective thyroxine ratio (ETR) in maternal blood, umbilical cord blood and the newborn on the 1st day of life] La Cauza C, et al. **Arch E Maragliano Patol Clin** 30(1):1–11, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[Correlation between the free thyroxine index and intestinal absorption of radiocalcium in thyroid diseases] Gennari C, et al. **Boll Soc Ital Biol Sper** 52(9):642–4, 15 MAY 76 **(Ita)**

[Changes in the TSH and thyroxine level in the serum of obese subjects following administration of TRH] Martino E, et al. **Folia Endocrinol (Roma)** 27(1):99–103, Feb 74 **(Ita)**

[In vitro thyroid gland function tests (thyopac–3,4) and their clinical significance] Ishigami K, et al. **Clin Endocrinol (Tokyo)** 23(4):385–90, Apr 75 **(Jpn)**

[Thyroid gland function test by T–4 RIA kit] Miyazaki T, et al. **Clin Endocrinol (Tokyo)** 23(12):1271–4, Dec 75 **(Jpn)**

[Clinical studeis on the regulatory system of thyroid hormone secretion and serum triiodothyronine. Part III. Studies on thyroid hormone change and its relationship when TSH in cases with subclinical hypothyroidism (Hashimoto's thyroiditis and 131I treated Graves' disease). Takeda Y. **Folia Endocrinol Jpn** 51(2):85–97, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Simultaneous measurements of free thyroxine and triiodothyronine fractions in human serum by means of equilibrium dialysis (author's transl)] Yamamoto T, et al. **Folia Endocrinol Jpn** 51(2):76–84, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Effects of ketamine–nitrous oxide anesthesia and surgical procedure serum levels of thyroxine and triiodothyronine] Matsuki A, et al. **Jpn J Anesthesiol** 25(4):373–7, Apr 76 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of free thyroxine index, triiodothyronine, thyroid–stimulating hormone assay and the TRH stimulating test] Gembicki M, et al. **Endokrynol Pol** 26(5):497–505, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Estimation of free serum thyroxine by the Sephadex filtration method] Sowiński J. **Endokrynol Pol** 26(5):487–95, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Usefulness of the ETR test in the assessment of thyroid function in children] Prochorow M, et al. **Pediatr Pol** 50(9):1131–6, Sep 75 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of direct and indirect radioisotope determination of the indicators of free thyroxine in the blood serum in vitro] Zamoskovnaia VA, et al. **Med Radiol (Mosk)** 20(10):8–13, Oct 75 (Eng. Abstr.) **(Rus)**

[Determination of thyroxine in the plasma of experimental animals by the competitive protein binding method] Zavadskiĭ PS, et al. **Patol Fiziol Eksp Ter** (4):83–5, Jul–Aug 75 **(Rus)**

[Binding of thyroxine with blood serum proteins in obesity] Stepanov GS, et al. **Sov Med** (6):60–4, Jun 75 (Eng. Abstr.) **(Rus)**

[Determination of total serum thyroxine. Analysis of our results and evaluation of the clinical value of the method] Stefanović Lj, et al. **Med Pregl** 29(1–2):11–8, 1976 (Eng. Abstr.) **(Ser)**

[Changes in free and total serum thyroxine levels in healthy subjects and in hypertonics after ergometric load (author's transl)] Michajlovskij N, et al. **Bratisl Lek Listy** 64(5):636–42, Nov 75 **(Slo)**

[Normal levels of total T3 and T4 in the 1st week of life determined by radioimmunoassay] Pérez Comas A, et al. **Bol Asoc Med PR** 68(7):160–2, Jul 76 (Eng. Abstr.) **(Spa)**

[Dependable in vitro ETR test (effective thyroxine ratio) in the study of thyroid gland function in pregnant women] Escobar Jiménez F, et al. **Rev Clin Esp** 140(4):315–20, 29 Feb 76 (Eng. Abstr.) **(Spa)**

[Radioimmunoanalysis for T3 and T4 in normal subjects and in patients with thyroid pathology (author's transl)] Pineda G, et al. **Rev Med Chil** 103(4):235–9, Apr 75 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Correlation between a thyroxine (T4) suppression test and the TSH response to synthetic thyrotopin releasing hormone (TRH) in the diagnosis of hyperthyroidism. pp. 320–5. Karlberg BE.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

[Letter: Improvement of the clinical signs of thyrotoxicosis by high doses of thyroid hormone] Irsy G, et al. **Nouv Presse Med** 5(5):278, 31 Jan 76 **(Fre)**

IMMUNOLOGY

Detection of human anti–thyroxine and anti–triiodothyronine antibodies in different thyroid conditions. Staeheli V, et al. **J Clin Endocrinol Metab** 41(4):669–75, Oct 75

Production and evaluation of high–quality thyroxine antisera for use in radioimmunoassay. Kruse V. **Scand J Clin Lab Invest** 36(1):95–101, Jan 76

ISOLATION & PURIFICATION

Purification of thyroxine and triiodothyronine for radioassay with sephadex. Faerch T. **Clin Chim Acta** 66(1):137–9, 2 Jan 76

METABOLISM

The deiodination of thyroxine in hyperthyroid rats as determined by renal clearance of iodide. Edwards BR, et al. **Acta Endocrinol (Kbh)** 82(4):737–45, Aug 76

Ehanced biliary thyroxine excretion in rats treated with pregnenolone–16alpha–carbonitrile. Japundžić MM, et al. **Acta Endocrinol (Kbh)** 81(1):110–9, Jan 76

A new combined thyroid hormone index based on thyroxine, triiodothyronine and resin uptake. Demers LM, et al. **Am J Clin Pathol** 65(3):356–9, Mar 76

Conversion of thyroxine into tri–iodothyronine by rat liver homogenate. **Biochem J** 150(3):489–93, Sep 75

Subcellular localization of a rat liver enzyme converting thyroxine into tri–iodothyronine and possible involvement of essential thiol groups. Visser TJ, et al. **Biochem J** 157(2):479–82, 1 Aug 76

Thyroxine–binding proteins in liver and tail of Rana catebeiana undergoing metamorphosis. Durban E, et al. **Biochim Biophys Acta** 437(1):175–89, 23 Jun 76

Effects of drugs on the metabolism of bilirubin and other normal body constituents. Conney AH, et al. **Birth Defects** 12(2):275–92, 1976 (67 ref.)

Thyroxine transport by the choroid plexus in vitro. Spector R, et al. **Brain Res** 98(2):400–4, 14 Nov 75

Enchanced in vitro hepatic glucuronidation of thyroxine in rats following cutaneous application or ingestion of polychlorinated biphenyls. Bastomsky CH, et al. **Can J Physiol Pharmacol** 54(1):23–6, Feb 76

The renal handling of insulin and thyroid hormones in normal man. Fine A, et al. **Clin Sci Mol Med** 50(6):435–7, Jun 76

Interaction between thyroid hormones and erythrocyte membranes: competitive inhibition of binding 131 I–L–triiodothyronine and 131 I–L–thyroxine by their analogs. Singh SP, et al. **Endocr Res Commun** 3(2):119–31, 1976

Increased metabolism of iodothyronines in the rat after short–term cold adaptation. Balsam A, et al. **Endocrinology** 97(2):385–91, Aug 75

Alterations in thyroxine metabolism produced by cutaneous application of mieroscope immersion oil: effects due to polychlorinated biphenyls. Bastomsky CH, et al. **Endocrinology** 98(5):1309–14, May 76

3,3',5'–Triiodothyronine (reverse T3) and 3,3',5–triiodothyronine (T3) in fetal and adult sheep: studies of metabolic clearance rates, production rates, serum binding, and thyroidal content relative to thyroxine. Chopra IJ, et al. **Endocrinology** 97(5):1080–8, Nov 75

Conversion of L–thyroxine to triiodo–L–thyronine and biological activity of L–thyroxine, as measured by changes in growth hormone. Hervás F, et al. **Endocrinology** 98(1):77–83, Jan 76

Binding of thyroxine and triiodothyronine by nuclei of isolated tadpole liver cells. Kistler A, et al. **Endocrinology** 97(4):1036–42, Oct 75

The thyroxine–binding properties of rat and rabbit serum proteins. Sutherland RL, et al. **Endocrinology** 98(1):91–8, Jan 76

A granule–associated L–thyroxine deiodinating system in the human leukocyte. Woeber KA. **Endocrinology** 98(3):802–6, Mar 76

Binding by thyroid hormones by nuclei of cells from bullfrog tadpole tail fins. Yoshizato K, et al. **Endocrinology** 97(4):1030–5, Oct 75

The budgerigar (Melopsittacus undulatus) as endocrinological test model. Thyroxine transport in blood. Robiller F, et al. **Endokrinologie** 64(3):329–32, 1975

Specificity of the interation of thyroxine ^{131}I rat adenohypophyseal proteins. Pribyl T, et al.

Folia Biol (Praha) 22(2):116–24, 1976

Absence of high-affinity low-capacity components of T4-binding sites in the cytosol of the bullfrog tadpole. Yoshizato K, et al. **Gen Comp Endocrinol** 29(4):468–72, Aug 76

Thyroxine binding to anterior pituitary proteins in vitro: correlation with anterior pituitary growth. pp. 143–56. Schreiber V.
In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971. (54 ref.)

Demonstration and some properties of cytosol-binding proteins for thyroxine and triiodothyronine in human liver. Hamada S, et al. **J Clin Endocrinol Metab** 42(2):302–8, Feb 76

Determination of common parameters fo iodothyronine metabolism and distribution in man by noncompartmental analysis. Oppenheimer JH, et al.
J Clin Endocrinol Metab 41(2):319–24, Aug 75

Letter: (to the editor). Erratum: revised calculations of common parameters of iodothyronine metabolism and distribution by noncompartmental analysis. Oppenheimer JH, et al. **J Clin Endocrinol Metab** 41(06):1172–3, Dec 75

The effect of short-term triiodothyronine administration on thyroxine response to exogenous TSH in man. Vigneri R, et al. **J Clin Endocrinol Metab** 41(5):974–6, Nov 75

Failure of propranolol to alter thyroid iodine release, thyroxine turnover, or the TSH and PRL responses to thyrotropin-releasing hormone in patients with thyrotoxicosis. Wartofsky L, et al.
J Clin Endocrinol Metab 41(3):485–90, Sep 75

Effect of ionic strength and ionic composition of assay buffers on the interaction of thyroxine with plasma proteins. Sutherland RL, et al. **J Endocrinol** 66(3):319–27, Sep 75

The transcapillary exchange of thyroid hormones and thyroxine-binding proteins between blood and tissue fluids. Simpson-Morgan MW, et al. **J Physiol (Lond)** 257(1):123–36, May 76

Letter: Triiodothyronine/reverse-triiodothyronine balance and thyroxine metabolism. Wenzel KW, et al. **Lancet** 2(7931):413, 30 Aug 75

The uptake and distribution of radiolabelled thyroxine by isolated cardiac myocytes. Burns AH, et al. **Life Sci** 18(3):319–28, 1 Feb 76

Thyroid function in changing weather in a subtropical region. Rastogi GK, et al. **Metabolism** 25(8):903–8, Aug 76

Thyroid hormone metabolism in amniotic and allantoic fluids of the sheep. Sack J, et al. **Pediatr Res** 9(11):837–41, Nov 75

Alteration in tissue and serum concentrations of TSH, iodide, T4 and T3 induced by various dietary iodide levels. Heninger RW, et al. **Proc Soc Exp Biol Med** 150(1):137–41, Oct 75

Thyroxine deiodination associated with NADPH-dependent lipid peroxidation in a submicrosomal system. Suwa K, et al. **Proc Soc Exp Biol Med** 150(2):401–6, Nov 75

Nuclear receptors and the initiation of thyroid hormone action. Oppenheimer JH, et al. **Recent Prog Horm Res** 32:529–65, 1976 (44 ref.)

[Precutaneous absorption of 125I-thyroxine and 125I-triiodothyronine in the rat in vivo] James M, et al. **Ann Pharm Fr** 32(12):633–40, Dec 74 (Eng. Abstr.) **(Fre)**

[Degradation of thyroxine-125I in normal Wistar AG rats, nude mutants and haired hybrids] Zizine ML, et al. **C R Acad Sci [D] (Paris)** 280(9):1103–5, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Excessive peripheral conversion of thyroxine (T4) to triiodothyronine (T3) in the pathogenesis of T3-hyperthyroidism (author's transl)] Herrmann J, et al. **Dtsch Med Wochenschr** 100(45):2319–23, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[Diurnal rhythms of thyroid hormones in rooster chicks (Gallus domesticus). 3. Studies on the changes in deiodination rate of thyroxine-I-131] Krebietke P. **Endokrinologie** 65(1):53–9, Feb 75 (Eng. Abstr.) **(Ger)**

[Effect of diet on deiodination of L-diiodotyrosine and L-thyroxine in rat liver] Voss CH, et al. **Nahrung** 20(1):69–72, 1976 (Eng. Abstr.) **(Ger)**

[In vitro study on effect of body weight on deiodination of L-diiodotyrosine and L-thyroxine in liver and kidney of rats on standard diets] Voss CH, et al. **Nahrung** 20(1):57–61, 1976 (Eng. Abstr.) **(Ger)**

[In vitro study of deiodination of L-diiodotyrosine and L-thyroxine in liver of dietetically fat rats] Voss CH, et al. **Nahrung** 20(1):63–7, 1976 (Eng. Abstr.) **(Ger)**

[Peripheral conversion of T4 and T3 in man] Glöbel B, et al. **Nucl Med (Stuttg)** 14(2):106–18, 30 June 75 (Eng. Abstr.) **(Ger)**

[Changes in the binding capacity of thyroxine-binding globulin (TBC), of total thyroxine (T4), of the free thyroxine index (FT4-I) and of thyrotropin (TSH) during normal pregnancy and in hydatidiform mole] Herre HD, et al. **Zentralbl Gynaekol** 97(24):1527–33, 1975 (Eng. Abstr.) **(Ger)**

[Role of thyroid hormone in cold adaptation. 2. Increase of food consumption and fecal excretion of thyroxine during cold exposure (author's transl)] Honma K. **Hokkaido J Med Sci** 50(4):393–6, Jul 75 (Eng. Abstr.) **(Jpn)**

[Changes in free and total thyroxine in patients with liver cirrhosis] Gembicki M, et al. **Pol Arch Med Wewn** 54(2):141–6, Aug 75 (Eng. Abstr.) **(Pol)**

[Effects of some drugs on the distribution of thyroxine in rats (author's transl)] Langer P, et al. **Bratisl Lek Listy** 65(i):101–7, Jan 76 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Effects of thyroxine on T-cell counts and tumour cell rejection in mice. Aoki N, et al. **Acta Endocrinol (Kbh)** 81(1):104–9, Jan 76

Effects of hypothyroidism and thyroxine substitution on the metabolism of L-methionine, L-cystathionine and taurine in developing rat brain. Heinonen K.
Acta Endocrinol (Kbh) 80(3):487–500, Nov 75

Reciprocal effects of thyroxine and triiodothyronine on their deiodination by rat tissues in vitro. Zaninovich AA.
Acta Endocrinol (Kbh) 82(3):510–6, Jul 76

Thyroid hormones and lymphoid cells. Lundell G, et al.
Acta Radiol [Ther] (Stockh) 14(6):552–60, Dec 75

A comparative morphometric analysis of the effects of thyroxine and ACTH on the zona fasciculata of rat adrenal cortex. Moore NA, et al. **Am J Anat** 145(4):517–23, Apr 76

Thyroid hormone-induced changes in body temperature and metabolism during exercise in dogs. Kaciuba-Uściłko H, et al. **Am J Physiol** 229(2):260–4, Aug 75

Subcellular membrane fatty acids of rat heart after cold acclimation or thyroxine. Steffen DG, et al.
Am J Physiol 231(2):650–4, Aug 76

Effect of some drugs on the glutamate dehydrogenase of the brain. Villela GG, et al. **An Acad Bras Cienc** 45(3–4):585–7, 1973

Aging human erythrocytes. Differential sensitivity of young and old erythrocytes to hemolysis induced by peroxide in the presence of thyroxine. Walls R, et al.
Arch Biochem Biophys 174(2):463–8, Jun 75

Effects of thyroxine pretreatment and calcium on the isolated perfused rat heart. Aronson CE.
Arch Int Pharmacodyn Ther 221(2):180–9, Jun 76

Thyroxine-binding globulin synthesis by hepatocarcinoma cells in continuous culture: effect of physiological concentrations of thyroxine. Gershengorn MC, et al.
Biochem Biophys Res Commun 71(1):76–82, 12 Jul 76

The effects of growth hormone-releasing hormone (GH-RH) and thyroxine on the synthesis and release of GH in a clonal strain of rat pituitary tumor cells. Ishikawa H, et al.
Biochem Biophys Res Commun 70(1):241–7, 3 May 76

A role of thyroid hormones in differentiation of mouse mammary gland in vitro. Vonderhaar BK.
Biochem Biophys Res Commun 67(3):1219–25, 1 Dec 75

Genetic aspects of quantitative variation in the carbonic anhydrases of the pig-tailed macaque, Macaca nemestrina. 1. Response to thyroxine. Anyaibe SI, et al.
Biochem Genet 13(9–10):673–86, Oct 75

Stimulation of peptide elongation by thyroxine. Carter WJ, et al. **Biochem J** 156(3):713–7, 15 Jun 76

Effect of thyroid hormones on the level of the hepatic mRNA for alpha2u globulin. Kurtz DT, et al. **Biochemistry** 15(5):1031–6, 9 Mar 76

Phenylalanyl-tRNA synthetases of rat liver: differential effects of thyroid hormone. Nielsen JB, et al.
Biochemistry 15(2):348–55, 27 Jan 76

Hormonal effects on the morphological differentiation of layer VI cortical cells in the rat. Hodge GK, et al.
Brain Res 104(1):137–41, 5 Mar 76

Direct effect of thyroid hormone on intracardiac conduction in acute and chronic hyperthyroid animals. el Shahawy M, et al. **Cardiovasc Res** 9(4):524–31, Jul 75

Serum triiodothyronine levels in patients receiving L-thyroxine. Kahn A. **Clin Pharmacol Ther** 19(5 Pt 1):523–30, May 76

Rat hepatic sodium plus potassium ion-dependent adenosine triphosphatase after treatment with digoxin and thyroxine. Lindsay R, et al. **Clin Sci Mol Med** 50(5):329–32, May 76

The effect of exogenic thyroxine on activity of the thyroid gland, blood serum proteins and leukocytes in the common vole Microtus arvalis, Pallas. Dobrowolska A, et al.
Comp Biochem Physiol [A] 53(4):323–6, 1976

Thyroxine and oxygen consumption in Pseudemys script a elegans. Penney D, et al. **Comp Biochem Physiol [A]** 54(4):443–5, 1976

Effects of thyroid hormones on in vivo 1-14C L-leucine incorporation into plasma and tissue protein of brook trout (Salvelinus fontinalis) and rainbow trout (Salmo gairdneri). Narayansingh T, et al. **Comp Biochem Physiol [B]** 52(3):99–405, 15 Nov 75

The influence of physiological doses of thyroxine on the lipid reserves of starved and fed brook trout, Salvelinus fontinalis (Mitchill). Narayansingh T, et al.
Comp Biochem Physiol [B] 52(3):407–12, 15 Nov 75

The effect of thyroid hormones on the oxygen consumption of the liver tissue in the squamate reptiles. Wong KL, et al. **Comp Biochem Physiol [B]** 52(3):355–8, 15 Nov 75

Influence of thyroid hormones on neuronal death and differentiation in larval Rana pipiens. Decker RS.
Dev Biol 49(1):101–18, Mar 76

Neonatal thyroxine administration, behavioral maturation, and brain growth in mice of different brain weight. Chen C, et al. **Dev Psychobiol** 8(4):355–61, Jul 75

Thyroid hormone regulation of extrathyroidal iodoproteins. Balsam A, et al. **Endocrinology** 98(2):476–81, Feb 76

Thyroid hormone regulation of the pulsatile discharges of luteinizing hormone in ovariectomized rats. Freeman ME, et al. **Endocrinology** 97(3):738–43, Sep 75

Acute effects of thyroxine, triiodothyronine, and iodide on thyrotropin secretion. Fukuda H, et al. **Endocrinology** 97(4):924–31, Oct 75

Differential effects of L-thyroxine on cardiac and hepatic monoamine oxidase activity toward benzylamine and serotonin. Tong JH, et al. **Endocrinology** 98(3):761–6, Mar 76

Effects of excess iodide and other anions on thyroid hormone secretion in normal or hypophysectomized rats treated with graded doses of thyroid hormone. Yukimura Y, et al.
Endocrinology 99(2):541–8, Aug 76

Hormonal control of renal phosphoenolpyruvate carboxykinase activity during development of the rat. Hauser CA, et al. **Enzyme** 21(2):115–26, 1976

Effects of thyroxine and exercise on the glandular and plasma levels of corticosterone in the male rat. Craig BW, et al. **Experientia** 32(7):939–40, 1976

Role of catecholamines in thyroxine-induced changes in metabolism and body temperature during exercise in dogs. Kaciuba-Uściłko H, et al. **Experientia** 32(1):68–9, 15 Jan 76

The effect of intraventricular thyroxine administration on body temperature in dogs at rest and during physical exercise. Kaciuba-Uściłko H, et al. **Experientia** 32(3):351–2, 15 Mar 76

Inhibition of TRH-induced TSH release by l-thyroxine, l-triiodothyronine, and their D-isomers in mice. Seif FJ, et al. **Experientia** 31(8):992, 15 Aug 75

The role of thyroxine in the regulation of translatable messenger RNA for alpha2u globulin in rat liver. Roy AK, et al. **FEBS Lett** 64(2):396–9, 1 May 76

Effects of thyroid hormone on the chemical constituents of different tissues of the chequered water-snake, Natrix piscator. Gupta SC, et al. **Gen Comp Endocrinol** 27(2):223–9, Oct 75

Effects of hormones on tail regeneration and regression in Rana catesbeiana tadpoles. Li CW, et al.
Gen Comp Endocrinol 29(3):376–82, Jul 76

The influence of acclimation temperature on the metabolic response of frog tissue to thyroxine administered in vivo. Packard GC, et al. **Gen Comp Endocrinol** 27(2):162–8, Oct 75

Thyroxine-induced calorigenesis in frog liver: insensitivity to ouabain. Packard GC. **Gen Comp Endocrinol** 28(3):334–8, Mar 76

Effect of thyroid hormones and analogues on ammonia and urea excretion in lata fish (Ophicephalus punctatus). Ray AK, et al. **Gen Comp Endocrinol** 29(2):190–7, Jun 76

Influence of thyroid hormones on satellite association in man and the origin of chromosome abnormalities. Nilsson C, et al. **Hereditas** 80(2):157–66, 1975

Decreased pituitary growth hormone content in rats treated neonatally with high doses of L-thyroxine. Pascual-Leone AM, et al. **Horm Metab Res** 8(3):215–7, May 76

Sensitivity of mitochondrial alpha-glycerophosphate dehydrogenase to thyroid hormone in skeletal muscle of the rat. van Hardeveld C, et al. **Horm Metab Res** 8(2):153–4, Mar 76

Effects of thyroid hormone upon the human prolactin (HPr) responses to thyrotropin releasing hormone (TRH). pp. 385–90. Foley TP Jr, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Interaction between catecholamines and thyroid hormones in regulation of exercise metabolism in dogs. pp. 179–86. Kaciuba-Uściłko H, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Thyroid hormone and metabolism of glycosaminoglycans in rabbits. Devi CS, et al. **Indian J Biochem Biophys** 12(1):43–6, Mar 75

Effect of thyroxine & insulin on the estradiol induced synthesis of phosvitin. Narayanan PR, et al.
Indian J Biochem Biophys 11(4):269–72, Dec 74

Effect of eltroxine and neomercazol on monoamine oxidase from rat tissues. Kaul P, et al.
Indian J Physiol Pharmacol 19(2):65–70, Apr-Jun 75

Activities of thyroid hormones and related compounds in an in vitro thymocyte assay. Goldfine ID, et al.
J Biol Chem 251(14):4233–8, 25 Jul 76

Alanine and glutamine synthesis and release from skeletal muscle. III. Dietary and hormonal regulation. Karl IE, et al. **J Biol Chem** 251(3):844–50, 10 Feb 76

Hormonal regulation of gap junction differentiation. Decker RS. **J Cell Biol** 69(3):669–85, Jun 76

Direct stimulation of bone resorption by thyroid hormones. Mundy GR, et al. **J Clin Invest** 58(3):529–34, Sep 76

Role of thyroid hormones in an abnormal grooming behavior in thyroidectomized cats and cats with pontile lesions. Randall W, et al. **J Comp Physiol Psychol** 90(3):231–43, Mar 76

Proceedings: Effect of thyroid hormones on lipolysis in adipose tissue of lean and obese mice. Otto W, et al.
J Endocrinol 68(3):22P–23P, Mar 76

Effects of postnatal thyroxine administration on brain development, response to postnatal androgen and thyroid regulation in female rats. Phelps CP, et al. **J Endocrinol** 69(2):175–82, May 76

Brain monoamine synthesis and receptor sensitivity after single or repeated administration of thyroxine. Engström G, et al. **J Neural Transm** 37(1):1–10, 1975

Proceedings: Effect of 1-thyroxine-Na on myocardium. Imanaga I. **J Physiol Soc Jpn** 36(8–9):325–6, 1 Sep 74

Effects of norepinephrine and thyroxine on the turnover rate of plasma free fatty acids. Moriya K, et al.
Jpn J Physiol 25(6):733–46, 1975

Letter: Effect of thyroxine on bacterial growth in vitro. Biswas SK. **Lancet** 2(7937):716–7, 11 Oct 75

The influence of diet on the lipogenic response to thyroxine in rat liver. Reed EB, et al. **Life Sci** 17(12):1785–97, 15 Dec 75

Incorporation of (5–3H) uridine into ribonucleotide pools and RNA during thyroxine-induced metamorphosis of Xenopus laevis tadpoles. Hagenbuchle O, et al. **Mol Cell Endocrinol** 4(2):61–77, Jan 76

Thyroxine inhibition of the proliferative response of the anterior pituitary to thyrotropin releasing hormone in vitro. Pawlikowski M, et al. **Neuroendocrinology** 18(3):277–80, 1975

Effects of chronic treatments upon the brown adipose tissue of young rats. I. Cold exposure and hyperthyroidism. Ricquier D, et al. **Pfluegers Arch** 362(3):241–6, 6 Apr 76

Effect of thyroxine administration to the mother on postnatal radioiodine uptake by the thyroid of partially thyroidectomized rats. Sámel M. **Physiol Bohemoslov** 24(6):489–92, 1975

Thyroxine and triiodothyronine influence cultured throid cells: alterations of morphology and mucosubstances. Siegel E. **Proc Soc Exp Biol Med** 152(1):1–5, May 76

The hormonal restoration of the intrinsic contractile function of the atrophic hearts of hypophysectomized rats. Korecky B, et al. **Recent Adv Stud Cardiac Struct Metab** 1:71–80, 1972

L-Thyroxine and monoamine oxidase activity in the kidney and some other organs of the rat. Moonat LB, et al. **Res Commun Chem Pathol Pharmacol** 12(4):765–79, Dec 75

Effect of partial thyroidectomy, propylthiouracil or thyroxine on estrogen-induced intranuclear inclusions in mammotrophs of the Mongolian gerbil. Nickerson PA. **Tissue Cell** 7(4):763–72, 1975

[Action of thyroid hormones on the calorigenic effect of adrenaline] Therminarias A, et al. **Rev Can Biol** 34(3):101–9, Sep 75 (Eng. Abstr.) **(Fre)**

[Absorption and pharmacokinetics of large doses of 1-thyroxine in man (author's transl)] Zechmann W, et al. **Wien Klin Wochenschr** 87(22):751–5, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Effect of thyroxine on the contents of cyclic AMP and on the activity of cyclic AMP phosphodiesterase in hepatocytes of the rat] Leoni S, et al. **Boll Soc Ital Biol Sper** 51(23):1874–8, 15 Dec 75 **(Ita)**

[Proceedings: Effect of hormones on the development of the brain] Tsukada Y, et al. **J Physiol Soc Jpn** 36(8–9):282, 1 Sep 74 **(Jpn)**

[Effect of thyroidectomy and thyroxine on cell proliferation in the anterior pituitary gland] Stepień H. **Endokrynol Pol** 26(6):613–9, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Thyroxine depression of compensatory hypertrophy of the thyroid gland in rats of different ages] Bershtein LM. **Biull Eksp Biol Med** 80(8):31–3, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine on specific changes in the energetics of myocardial contraction] Aliukhin IuS, et al. **Dokl Akad Nauk SSSR** 225(5):1228–31, 11 Dec 75 **(Rus)**

[Mechanism of the calorigenic effect of thyroxine] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 228(6):1472–4, 1976 **(Rus)**

[Hormonal and pyridoxine induction of threonine dehydratase in the rat liver] Protasova TN. **Probl Endokrinol (Mosk)** 21(4):91–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The effect of thyroxine on the structure of cardiac muscle mitochondria during prenatal ontogenesis] Khamidov DKh, et al. **Tsitologiia** 17(12):1427–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine and hydrocortisone on the content of retinol and retinyl palmitate in liver tissue, kidney and blood of rats, loaded with high doses of retinyl acetate] Eremina GV, et al. **Vopr Med Khim** 21(6):645–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Stimulation of protein synthesis by thyroid hormones during postnatal ontogenesis of the rat] Macho L, et al. **Cesk Fysiol** 24(6):561–4, 1975 **(Slo)**

PHYSIOLOGY

The role of thyroxine in the differentiation of the organ of Corti. Deol MS. **Acta Otolaryngol (Stockh)** 81(5–6):429–35, May–Jun 76

Hormonal effects on the morphology of bone defect healing. Tylkowski CM, et al. **Clin Orthop** (115):274–85, Mar–Apr 76

Increased free thyroxine in a euthyroid patient with thyroxine-binding globulin deficiency. Premachandra BN, et al. **J Clin Endocrinol Metab** 42(2):309–18, Feb 76

Low setting of feedback regulation of TSH secretion by thyroxine in pituitary dwarfism with TSH-releasing hormone deficiency. Sato T, et al. **J Clin Endocrinol Metab** 42(2):385–90, Feb 76

[Role of thyroid hormone in cold adaptation. 1. Requirement of thyroxine during the course of cold acclimation as estimated by noradrenaline sensitivity (author's transl)] Honma K. **Hokkaido J Med Sci** 50(4):387–92, Jul 75 (Eng. Abstr.) **(Jpn)**

POISONING

Letter: Correct use of thyroxine. Roberts JA. **Med J Aust** 2(16):650, 18 Oct 75

[Acute poisoning with L-triiodothyroinine, L-thyroxine and phendimetrazine bitartrate with suicidal intention] Hempel RD, et al. **Z Gesamte Inn Med** 31(9):296–9, 1 May 76 (Eng. Abstr.) **(Ger)**

SECRETION

T4 and T3 release from the perfused canine thyroid isolated in situ. Laurberg P. **Acta Endocrinol (Kbh)** 83(1):105–13, Sep 76

A transient rise of hormone secretion: a response of the stimulated rat thyroid gland to small increments of iodide supply. Studer H, et al. **Acta Endocrinol (Kbh)** 81(3):507–15, Mar 76

Pituitary-thyroid interrelationship in rats exposed to different environmental temperatures. Tal E, et al. **Acta Endocrinol (Kbh)** 83(1):99–104, Sep 76

Evidence for a secretion of thyroxine by isolated hog thyroid cells. Rousset B, et al. **Biochim Biophys Acta** 437(2):543–61, 21 Jul 76

Effect of fluoride administration on radiothyroxine turnover in rats. Kahl S, et al. **Endokrynol Pol** 26(4):391–6, Jul–Aug 75

[The effect of iodide on the TRH-induced release of HTSH, T4 and T3 in euthyroid subjects (author's transl)] Haydl H, et al. **Wien Klin Wochenschr** 87(22):747–51, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Pituitary-thyroid system in pregnant rats-TSH and thyroid hormones secretion during pregnancy] Kojima A, et al. **Clin Endocrinol (Tokyo)** 23(3):255–9, Mar 75 **(Jpn)**

[Variants of morphofunctional disorders of the hypophysal-adrenal-thyroid gland system in acute radiation injury] Zherbin EA, et al. **Med Radiol (Mosk)** 21(3):26–30, Mar 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Postoperative replacement doses of sodium-L-thyroxine in patients with thyroid carcinomas. Persson B, et al. **Acta Chir Scand** 141(8):719–20, 1975

Surgical treatment of thyrotoxicosis: results of 272 operations with special reference to preoperative treatment with anti-thyroid drugs and L-thyroxine. Heimann P, et al. **Br J Surg** 62(9):683–8, Sep 75

Letter: Management of threatened abortion. Darwish DH. **Br Med J** 1(6022):1402, 5 Jun 76

Serum thyroid hormone levels in patients on thyroxine replacement therapy. Murchison LE, et al. **Horm Metab Res** 8(4):324–5, Jul 76

Changes in serum triiodothyronine, thyroxine, and thyrotropin during treatment with thyroxine in severe primary hypothyroidism. Maeda M, et al. **J Clin Endocrinol Metab** 43(1):10–7, Jul 76

Reversal of decreased human adipose tissue lipoprotein lipase and hypertriglyceridemia after treatment of hypothyroidism. Pykälistö O, et al. **J Clin Endocrinol Metab** 43(3):591–600, Sep 76

Therapy of hypothyroidism. Burrows S. **J Med Soc NJ** 72(12):1046, Dec 75

D-Thyroxine in hyperbetalipoproteinaemia. Myburgh DP, et al. **S Afr Med J** 49(42):1757–8, 4 Oct 75

[Treatment of generalized scleroderma with connective tissue inhibitors] Asboe-Hansen G. **Ugeskr Laeger** 138(22):1325–9, 24 May 76 (Eng. Abstr.) **(Dan)**

[Therapy and prevention using T3/T4 hormone. 5 Years of clinical and practical experience with Novothyral] Würdinger H. **Med Welt** 26(27–28):1322–30, 11 Jul 75 **(Ger)**

[Thyroxine treatment in acute renal failure (author's transl)] Straub E. **Monatsschr Kinderheilkd** 123(11):723–33, Nov 75 (Eng. Abstr.) **(Ger)**

[The influence of thyroid and antithyroid preparations on the development of induced breast cancer] Beskrovnyĭ AM, et al. **Vopr Onkol** 22(5):63–7, 1976 (Eng. Abstr.) **(Rus)**

URINE

Random urine tests in the assessment of thyroid function. Finucane JF. **Ir J Med Sci** 145(6):195–200, Jun 76

Triiodothyronine and thyroxine in urine. II. Renal handling, and effect of urinary protein. Burke CW, et al. **J Clin Endocrinol Metab** 42(3):504–13, Mar 76

Triiodothyronine and thyroxine in urine. I. Measurement and application. Shakespear RA, et al. **J Clin Endocrinol Metab** 42(3):494–503, Mar 76

Clinical value of urinary free thyroxine assays. Pastrana SL, et al. **Rev Invest Clin** 27(3):179–81, Jul–Sep 75

THYROXINE-BINDING PROTEIN

see related

PROTEIN-BOUND IODINE TEST

Estimation of the maximal T4-binding capacity of TBG using the Triosorb test in serum treated with dextran-coated charcoal. Yoshimura M, et al. **Endocrinol Jpn** 22(3):199–205, Jun 75

Thyroxine-protein interactions. Interaction of thyroxine and triiodothyronine with human thyroxine-binding globulin. Korcek L, et al. **J Biol Chem** 251(12):3558–62, 25 Jun 76

Studies on thyroid hormone-binding proteins. II. Binding of thyroid hormones, retinol-binding protein, and fluorescent probes to prealbumin and effects of thyroxine on prealbumin subunit self association. Nilsson SF, et al. **J Biol Chem** 250(21):8554–63, 10 Nov 75

Studies on thyroid hormone-binding proteins. I. The subunit structure of human thyroxine-binding globulin and its interaction with ligands. Nilsson SF, et al. **J Biol Chem** 250(21):8543–53, 10 Nov 75

A new extractant for serum thyroxine by enzymatic digestion of thyroxine binding proteins. Chau KH, et al. **J Clin Endocrinol Metab** 42(1):189–92, Jan 76

[Determination of thyroxine in the plasma of experimental animals by the competitive protein binding method] Zavadskiĭ PS, et al. **Patol Fiziol Eksp Ter** (4):83–5, Jul–Aug 75 **(Rus)**

ANALYSIS

The predictive value of thyroid 'test profile' in habitual abortion. Winikoff D, et al. **Br J Obstet Gynaecol** 82(9):760–6, Sep 75

Clinical evaluation of new indicators of free thyroxine concentration and thyroxine-binding globulin capacity. Hamada S, et al. **Clin Chim Acta** 63(2):129–37, 1 Sep 75

Radioimmunoassay of thyroxine-binding globulin in human plasma. Hesch RD, et al. **Clin Chim Acta** 70(1):33–42, 1 Jul 76

Total and free triiodothyronine and thyroid-binding globulin concentration in elderly human persons. Hesch RD, et al. **Eur J Clin Invest** 6(2):139–45, 31 Mar 76

Radioimmunoassay for serum thyroxine-binding globulin: results in normal subjects and in patients with hepatocellular carcinoma. Gershengorn MC, et al. **J Clin Endocrinol Metab** 42(5):907–11, May 76

Tests of thyroid function. Larsen PR. **Med Clin North Am** 59(5):1063–74, Sep 75 (21 ref.)

[Simplification in the method of thyroxine measurement by competitive protein-binding analysis (author's transl)] Lara PF, et al. **Rev Bras Pesqui Med Biol** 9(1):71–4, Jan–Feb 76

[Measurement of thyroxine binding globulin by competitive ligand binding assay (CLBA) (author's transl)] Rudorff KH, et al. **J Clin Chem Clin Biochem** 14(1):31–6, Jan 76 (Eng. Abstr.) **(Ger)**

[Behavior of the ETR test after suppression and stimulation in functional disorders of the thyroid gland] Kleinau E, et al. **Radiobiol Radiother (Berl)** 16(6):767–71, 1975 (Eng. Abstr.) **(Ger)**

[Serum thyroxine-binding protein for determining the functional state of the thyroid gland in pregnant women with endemic goiter] Korol'kova OA, et al. **Probl Endokrinol (Mosk)** 21(6):45–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Thyroxine-binding globulin synthesis by hepatocarcinoma cells in continuous culture: effect of physiological concentrations of thyroxine. Gershengorn MC, et al. **Biochem Biophys Res Commun** 71(1):76–82, 12 Jul 76

Thyroxine-binding globulin biosynthesis in isolated monkey hepatocytes. Glinoer D, et al. **Biochim Biophys Acta** 418(2):232–44, 19 Jan 76

Metabolism of thyroxine-binding globulin in man. Abnormal rate of synthesis in inherited thyroxine-binding globulin deficiency and excess. Refetoff S, et al. **J Clin Invest** 57(2):485–95, Feb 76

BLOOD

Calculation of an estimate of throxine-binding globulin capacity. Nusynowitz MI, et al. **J Nucl Med** 16(11):1076–9, Nov 75

DEFICIENCY

Normal response to thyrotrophin releasing hormone (TRH) in familial thyroxine-binding globulin deficiency. Hansen E, et al. **Acta Endocrinol (Kbh)** 80(2):279–301, Oct 75

Letter: Free thyroxine index vs. free thyroxine concentration in inherited partial thyroxine binding globulin (TBG) deficiency. Premachandra BN, et al. **Clin Chem** 22(8):1408, Aug 76

Increased free thyroxine in a euthyroid patient with thyroxine-binding globulin deficiency. Premachandra BN, et al. **J Clin Endocrinol Metab** 42(2):309–18, Feb 76

DIAGNOSTIC USE

[Thyroid diagnosis with reduced thyroxin-binding globulin] Anagnostaki L, et al. **Ugeskr Laeger** 138(2):93–6, 5 Jan 76 (Eng. Abstr.) **(Dan)**

ISOLATION & PURIFICATION

Gel filtration of thyroxine—binding proteins. Identification of human serum protein fractions separated on Sephadex G 100. Hocman G, et al. **Endokrinologie** 63(3):289–93, 1974

Gel filtration of thyroxine—binding proteins. Identification of rat plasma protein fractions separated on Sephadex gels. Hocman G, et al. **Endokrinologie** 63(3):348–52, 1974

METABOLISM

Albumin, transferrin and the thyroxine-binding prealbumin/retinol-binding protein (TBPA-RBP) complex in assessment of malnutrition. Ingenbleek Y, et al. **Clin Chim Acta** 63(1):61–7, 18 Aug 75

A comparative study of avian and rat patterns in thyroid function-II. Plasma protein-bound iodine and thyroid hormone secretion. Astier H. **Comp Biochem Physiol [A]** 52(1):9–17, 1 Sep 75

The thyroxine-binding properties of rat and rabbit serum

proteins. Sutherland RL, et al. **Endocrinology** 98(1):91–8, Jan 76

Genetic control of thyroxine transport. pp. 323–30. Robbins J.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

Demonstration and some properties of cytosol-binding proteins for thyroxine and triiodothyronine in human liver. Hamada S, et al. **J Clin Endocrinol Metab** 42(2):302–8, Feb 76

Effect of halofenate on serum thyroid hormone determinations in vitro. Karch FE, et al.
J Clin Endocrinol Metab 43(1):26–31, Jul 76

Serum thyroxine and thyroxine-binding proteins in chronic renal failure without nephrosis. Neuhaus K, et al.
J Clin Endocrinol Metab 41(2):395–8, Aug 75

The transcapillary exchange of thyroid hormones and thyroxine-binding proteins between blood and tissue fluids. Simpson-Morgan MW, et al. **J Physiol (Lond)** 257(1):123–36, May 76

[Relationship between the weight of adenohypophysis, thyroxine-binding adenohypophyseal proteins in vitro and level of ceruloplasmin in the rat serum: effect of hormones and of various neurotrophic drugs] Schreiber V.
Cesk Fysiol 25(1):31–4, 1976 **(Cze)**

[Changes in the binding capacity of thyroxine-binding globulin (TBC), of total thyroxine (T4), of the free thyroxine index (FT4-I) and of thyrotropin (TSH) during normal pregnancy and in hydatidiform mole] Herre HD, et al. **Zentralbl Gynaekol** 97(24):1527–33, 1975 (Eng. Abstr.) **(Ger)**

[Binding of thyroxine with blood serum proteins in obesity] Stepanov GS, et al. **Sov Med** (6):60–4, Jun 75 (Eng. Abstr.) **(Rus)**

TIBIA

Congenital pseudarthrosis of the tibia and neurofibromatosis. Andersen KS. **Acta Orthop Scand** 47(1):108–11, Feb 76

Genu recurvatum: a late complication of tibial wire traction in fractures of the femur in children. Bjerkreim I, et al. **Acta Orthop Scand** 46(6):1012–9, Dec 75

Restraint in the treatment of a bowed tibia associated with neurofibromatosis. Rose GK. **Acta Orthop Scand** 46(4):704–6, Sep 75

The natural history of osteoid osteoma. Simm RJ.
Aust NZ J Surg 45(4):412–5, Nov 75

The development of tibial dyschondroplasia in broiler chickens. Riddell C. **Avian Dis** 19(3):443–62, Jul-Sep 75

Studies on the pathogenesis of tibial dyschondroplasia in chickens. III. Effect of body weight. Riddell C.
Avian Dis 19(3):497–505, Jul-Sep 75

Studies on the pathogenesis of tibial dyschondroplasia in chickens. I. Production of a similar defect by surgical interference. Riddell C. **Avian Dis** 19(3):483–9, Jul-Sep 75

Studies on the pathogenesis of tibial dyschondroplasia in chickens. II. Growth rate of long bones. Riddell C.
Avian Dis 19(3):490–6, Jul-Sep 75

Familial congenital bowing of the tibia with pseudarthrosis and pectus excavatum. Beals RK, et al. **Birth Defects** 11(6):87–90, 1975

Chemotherapy, en bloc resection, and prosthetic bone replacement in the treatment of osteogenic sarcoma. Rosen G, et al. **Cancer** 37(1):1–11, Jan 76

Tibial rotational osteotomy. Castle ME. **Clin Orthop** (118):73–5, Jul-Aug 76

Solitary intraosseous neurilemmoma of the tibia: review of intraosseous neurilemmoma and neurofibroma. Gordon EJ. **Clin Orthop** (117):271–82, Jun 76

Osteosarcoma associated with metallic implants. Report of two cases in dogs. Harrison JW, et al. **Clin Orthop** (116):253–7, May 76

Congenital pseudarthrosis of the tibia: successful one stage transposition of the fibula into the distal tibia. A case report. Lawsing JF 3rd, et al. **Clin Orthop** (110):201–5, Jul-Aug 75

Tibiofibular synostosis: a cause of ankle disability. McMaster JH, et al. **Clin Orthop** (111):172–4, Sep 75

Eosinophilic granuloma of the proximal tibial epiphysis. Stern MB, et al. **Clin Orthop** (118):153–6, Jul-Aug 76

Aneurysmal bone cysts. Shaw SC, et al. **Indian J Cancer** 12(3):334–41, Sep 75

Osteomyelitis caused by Streptococcus faecalis (report of an unusual case). Yadav SS, et al. **Indian J Med Sci** 29(4–5):116–7, Apr-May 75

Fixation of the tibial components of condylar replacement knee prostheses. Walker PS, et al. **J Biomech** 9(4):269–75, 1976

Patella alta and patella infera. Their etiological role in patellar dislocation, chondromalacia, and apophysitis of the tibial tubercle. Lancourt JE, et al. **J Bone Joint Surg [Am]** 57(8):1112–5, Dec 75

Changes in tibiotalar area of contact caused by lateral talar shift. Ramsey PL, et al. **J Bone Joint Surg [Am]** 58(3):356–7, Apr 76

Spontaneous pneumothorax heralding metastasis of admantinoma of the tibia. Report of two cases. Winter WG Jr. **J Bone Joint Surg [Am]** 58(3):416–7, Apr 76

Positive 18F bone scan in a case of osteoid osteoma: case report. McCombs RK, et al. **J Nucl Med** 16(6):465–6, Jun 75

Selection of broiler chickens for a high and low incidence of tibial dyschondroplasia with observations on spondylolisthesis and twisted legs (perosis). Riddel C.
Poult Sci 55(1):145–51, Jan 76

Measurements of stress and strain in live bone by electrical strain gage method. da Fonseca JC, et al.
Rev Bras Pesqui Med Biol 8(5–6):469–74, Sep-Dec 75

[Popliteal aneurysm complicating an osteogenic exostosis of the tibia] Lemaire R, et al. **Acta Orthop Belg** 41(6):625–35, 1975 (Eng. Abstr.) **(Fre)**

[Unusual bone lesions in bon Recklinghausen's disease: pseudarthris of the tibia; localized cranial osseous dysplasia] Battin J, et al. **J Genet Hum** 23 SUPPL:211–3, Oct 75 **(Fre)**

[A case of pseudarthrosis of the tibia] Blanchet F, et al.
Union Med Can 105(1):53–5, Jan 76 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of the tibialis-anterior syndrome] Klein W, et al. **Beitr Orthop Traumatol** 22(2):91, Feb 75 **(Ger)**

[Arthroscopic findings in antepositioning of the tibial tuberosity] Wruhs O. **Hefte Unfallheilkd** (127):187–94, 1975 **(Ger)**

[Painful tibia and inflammation of the Achilles tendon as a consequence of static troubles (author's transl)] Segesser B. **Ther Umsch** 31(4):256–65, Apr 74 (Eng. Abstr.) **(Ger)**

[A case of tibial localization of echinococcal cysts] Costa P, et al. **Chir Organi Mov** 62(2):209–12, 1975 (Eng. Abstr.) **(Ita)**

[Angiosarcoma in chronic osteomyelitis. Report of 2 cases] Olmi R, et al. **Chir Organi Mov** 61(6):765–8, 1975 (Eng. Abstr.) **(Ita)**

[A case of atypical osteomyelitis with tibial localization] Savoini E. **Chir Organi Mov** 62(6):653–68, 1975 (Eng. Abstr.) **(Ita)**

[Results of surgical tibia lengthening] Normant E, et al.
Chir Narzadow Ruchu Ortop Pol 40(6):725–9, 1975 (Eng. Abstr.) **(Pol)**

[Osteogenic sarcoma in chronic osteitis] Spyra S.
Chir Narzadow Ruchu Ortop Pol 41(1):99–100, 1976 (Eng. Abstr.) **(Pol)**

[Geographical distribution of Erlacher-Blount disease] Kuvina VN, et al. **Ortop Travmatol Protez** (7):69–71, Jul 75 **(Rus)**

[Rate of distraction in lengthening of the long tubular bones] Shtin VP, et al. **Ortop Travmatol Protez** (10):40–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Venous blood circulation in chronic osteomyelitis of the crural bones according to phlebography data] Trenin VI.
Ortop Travmatol Protez (6):19–21, Jun 75 (Eng. Abstr.) **(Rus)**

[A combination of angioblastoma and fibrous dysplasia of the tibia] Serov SF, et al. **Vopr Onkol** 21(11):80–3, 1975 **(Rus)**

ABNORMALITIES

C--bilateral absence of the tibias in three sibs. Emami-Ahari Z, et al. **Birth Defects** 10(5):197–200, 1974

Familial congenital bowing of the tibia with pseudarthrosis and pectus excavatum: report of a kindred. Beals RK, et al. **J Bone Joint Surg [Am]** 58(4):545–8, Jun 76

Congenital diastasis of the inferior tibiofibular joint. Report of a case. Bose K. **J Bone Joint Surg [Am]** 58(6):886–7, Sep 76

Ipsilateral femoral bifurcation and tibial hemimelia. A case report. Ogden JA. **J Bone Joint Surg [Am]** 58(5):712–3, Jul 76

Congenital fibrous defect of the tibia mimicking fibrous dysplasia. A case report. Semian DW, et al.
J Bone Joint Surg [Am] 57(6):854–7, Sep 75

[Fibula-pro-tibia transplant. Indications, technics and results] Florio U, et al. **Chir Organi Mov** 62(4):367–79, 1975 (Eng. Abstr.) **(Ita)**

[Volkmann's deformity (Presentation of a case with bilateral agenesis of the fibula)] Zaccaria N. **Chir Organi Mov** 62(3):353–5, 1975 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Biostatics of the tibial shaft. Ljunggren AE.
Acta Morphol Neerl Scand 13(3):145–70, Nov 75

The cnemic index: a criktique. Andermann S.
Am J Phys Anthropol 44(2):369–73, Mar 76

The biomechanical analysis of bone strength: a method and its application to platycnemia. Lovejoy CO, et al.
Am J Phys Anthropol 44(3):489–505, May 76

A genetic study on the length of tibia. Ikoma E, et al.
Ann Hum Genet 39(4):475–83, May 76

Ski binding settings based on anthropometric and biomechanical data. Pope MH, et al. **Hum Factors** 18(1):27–32, Feb 76

Cartilage fibrillation on the lateral tibial plateau in Liverpool necropsies. Meachim G. **J Anat** 121(1):97–106, Feb 76

The skiing sequelae of tibial torsion. Winter WG Jr, et al.
Orthop Clin North Am 7(1):231–40, Jan 76

The Neandertals from Krapina, northern Yugoslavia: an inventory of the lower limb remains. Trinkaus E.
Z Morphol Anthropol 67(1):44–59, 1975

BLOOD SUPPLY

Comparison of long-term results of 364 femoropopliteal or femorotibial bypasses for revascularization of severely ischemic lower extremities. Reichle FA, et al. **Ann Surg** 182(4):449–55, Oct 75

Tibial artery bypass. Stephen M, et al. **Arch Surg** 111(3):235–8, Mar 76

Changes in blood flow to bones during the hypocalcemic and hypercalcemic phases of the response to parathyroid hormone. Boelkins JN, et al. **Endocrinology** 98(2):403–12, Feb 76

[Arterial vascularization of the tibia in the adult] Fischer LP, et al. **Bull Assoc Anat (Nancy)** 59(167):863–75, Dec 75 (Eng. Abstr.) **(Fre)**

[Effect of bone nails on the vascular system of bone] Shugarov NA, et al. **Ortop Travmatol Protez** (10):66–8, Oct 75 **(Rus)**

[Revascularization and reparative regeneration following auto- and homoplasty of pseudarthroses of the tibia] Smirnova LA, et al. **Ortop Travmatol Protez** (7):29–36, Jul 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Distribution of granulopoietic activity in the human skeleton, studied by colony growth in agar diffusion chambers. Gordon MY, et al. **Br J Haematol** 32(4):537–42, Apr 76

DRUG EFFECTS

Light microscopic and ultrastructural observations on the short-term effects of ethylene-1-hydroxy-1, 1-diphosphonate (EHDP) on rat tibia epiphysis. Larsson A, et al. **Acta Pathol Microbiol Scand [A]** 84(1):17–27, Jan 76

[Specificity of the tibia test] Fedotov VP, et al.
Probl Endokrinol (Mosk) 22(2):96–9, 1976 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Letter: Embryonic chick tibiae in steady electric fields. Duncan RI, et al. **Nature** 257(5522):162, 11 Sep 75

The inhibitory effect of mimosine on collagen synthesis. Tang SY, et al. **Toxicon** 13(5):339–42, Nov 75

[The effects in vivo of some sex hormones on the growth of tibias of normal and chondrodystrophic (Creeper) chick embryos] Scopelliti R. **C R Acad Sci [D] (Paris)** 280(7):901–4, 17 Feb 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

The presence of alkaline phosphatase in the subchondral bone of the medial tibial condyle in the normal state and in osteoarthritis and rheumatoid arthritis. Lereim P, et al.
Arch Orthop Unfallchir 83(2):181–5, 27 Oct 75

GROWTH & DEVELOPMENT

Progressive valgus deformity of the knee after resection of an exostosis at the proximal medial tibial metaphysis. A case report. Verhelst MP, et al. **Acta Orthop Belg** 41(6):689–94, 1975

Growth and mitotic rate of the proximal tibial epiphyseal plate in hypophysectomized rats given estradiol and human growth hormone. Gustafsson PO, et al.
Acta Radiol [Suppl] (Stockh) (344):69–74, 1975

Osgood-Schlatter's disease and tibial tuberosity development. Ogden JA, et al. **Clin Orthop** (116):180–9, May 76

[Longitudinal growth of the tibia using the model of a congenital pseudarthrosis of the tibia (author's transl)] Kullmann L, et al. **Arch Orthop Unfallchir** 83(1):109–14, 4 Sep 75 (Eng. Abstr.) **(Ger)**

INJURIES

Long-term follow-up of a series of infected fractures of the tibia. Hicks JH. **Injury** 7(1):2–7, Aug 75

A radiologic sign of lateral subluxation of the distal tibial epiphyses. Cameron HU. **J Trauma** 15(11):1030–1, Nov 75

[Os subtibiale and os subfibulare. Inconstant submalleolar boney elements. Review with case report] Sparso BH.
Ugeskr Laeger 138(3):153–5, 12 Jan 76 (Eng. Abstr.) **(Dan)**

[Device for the correction of intertibial diastasis] Matsyk VS.
Ortop Travmatol Protez (1):77–9, Jan 76 **(Rus)**

[Periostitis and periostosis caused by overstrain] Mironova ZS, et al. **Ortop Travmatol Protez** (6):41–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Enthesopathia microtraumatica tuberositas tibiae] Niepel G.
Fysiatr Reumatol Vestn 54(1):32–4, Feb 76 (Eng. Abstr.) **(Slo)**

METABOLISM

A biochemical analysis of subchondral bone of the medial tibial condyle in the normal state and in osteoarthritis and rheumatoid arthritis. Lereim P, et al.
Acta Orthop Scand 46(4):672–84, Sep 75

Proceedings: The proximal end of tibia, a sensitive site for measurement of the bone mineral content in lower limb dysfunction. Nilsson BE, et al. **Am J Roentgenol** 126(6):1304, Jun 76

Transcapillary exchange of strontium and sucrose in canine tibia. Davies DR, et al. **J Appl Physiol** 40(1):17–22, Jan 76

Status of the digestive system and tibiae of cropectomized hens at night. Stonerock RH, et al. **Poult Sci** 54(2):466–72, Mar 75

[Effect of age of experimental mice on the incorporation of fluoride into their bones and incisors and on the degree of incisor fluorosis] Ružička JA, et al. **Cesk Stomatol** 75(6):432–5, Dec 75 (Eng. Abstr.) **(Cze)**

PATHOLOGY

The subchondral bone in osteoarthritis and rheumatoid arthritis of the knee. A histological and microradiographical study. Havdrup T, et al. **Acta Orthop Scand** 47(3):345–50, Jun 76

Progression of Paget's disease in the tibia. A case report. Zadek RE, et al. **J Bone Joint Surg [Am]** 58(6):876–8, Sep 76

PHYSIOLOGY

Stresses in the human knee joint. Chand R, et al. **J Biomech** 9(6):417–22, 1976

Femorotibial weight-bearing areas. Experimental determination. Maquet PG, et al. **J Bone Joint Surg [Am]** 57(6):766–71, Sep 75

[Application of holographic interferometry to the study of an axially loaded tibiofibular] Wagner J, et al. **Acta Orthop Belg [Suppl]** 41(1):24–34, 1975 **(Fre)**

[Measurement of tibiofibular torsion with profile radiography. Relation to the shape of the plantar arch] Wangermez J, et al. **Bull Assoc Anat (Nancy)** 59(167):1013–7, Dec 75 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Tibial torsion in untreated congenital clubfoot. Herold HZ, et al. **Acta Orthop Scand** 47(1):112–7, Feb 76

RADIOGRAPHY

The soleal line: a cause of tibial pseudoperiostitis. Levine AH, et al. **Radiology** 119(1):79–81, Apr 76

[Radiologic study of the gestational age. Evaluation of the femoral and tibial ossification centers] Shor Pinsker V, et al. **Ginecol Obstet Mex** 37(224):323–36, Jun 75 (Eng. Abstr.) **(Spa)**

SURGERY

Tibial osteotomy at the knee. An analytical study of the results of the intraepiphyseal osteotomy of the proximal tibia. Vaninbroukx J, et al. **Acta Orthop Belg** 41(2):201–14, Mar–Apr 75

Muscle flaps in the repair of skin defects over the exposed tibia. McHugh M, et al. **Br J Plast Surg** 28(3):205–9, Jul 75

A fresh appraisal of tibial osteotomy for osteoarthritis of the knee. Harding ML. **Clin Orthop** (114):223–234, Jan–Feb 76

A jig for pin insertion in the performance of high tibial osteotomy. Lippert FG 3d, et al. **Clin Orthop** (112):242–4, Oct 75

Advancement of the tibial tuberosity. Maquet P. **Clin Orthop** (115):225–30, Mar–Apr 76

Neurovascular complications following tibial osteotomy in children. A case report. Matsen FA 3rd, et al. **Clin Orthop** (110):210–4, Jul–Aug 75

Correction of tibial curvature by multiple osteotomies with internal fixation. Goel MK, et al. **Int Surg** 61(1):41–4, Jan 76

High tibial osteotomy for osteoarthritis of the knee: a changing concept. Shoji H, et al. **Int Surg** 61(1):11–4, Jan 76

Tibial lengthening using a new extension device. Report of thirty-two cases. Rezaian SM. **J Bone Joint Surg [Am]** 58(2):239–43, Mar 76

Leg lengthening with a new type of external fixator (a preliminary report on 24 cases). Rezaian SM. **Pahlavi Med J** 7(2):233–41, Apr 76

High tibial osteotomy in the treatment of osteoarthritis of the knee. Insall JN. **Surg Annu** 7:347–59, 1975 (14 ref.)

[Antepositioning of the tibial tuberosity in chondromalacia patellae and femoro-patellar arthrosis] Bandi W. **Hefte Unfallheilkd** (127):175–86, 1975 **(Ger)**

[Results of Bandi's antepositioning surgery of the tibial tuberosity] Brunner B, et al. **Hefte Unfallheilkd** (127):204–20, 1975 **(Ger)**

[Treatment of the unstable knee joint using intraligamentary tibial osteotomy] Dolanc B. **Hefte Unfallheilkd** (125):129–32, 1975 **(Ger)**

[The 'posterior tibial syndrome' in the lower leg] Glinz W. **Helv Chir Acta** 42(4):455–62, Sep 75 **(Ger)**

[Experience with the splitting of lateral fascia cruris in tibial osteosyntheses] Heim U. **Helv Chir Acta** 42(4):451–4, Sep 75 **(Ger)**

[Osteotomy of tuberositas tibiae in supracondylar femoral fractures] Fischer M, et al. **Monatsschr Unfallheilkd** 78(7):321–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Correction osteotomy of tibia for malalignment at the knee and the bone-suture (author's transl)] Fischer-Wasels J. **Z Orthop** 113(3):406–11, Jun 75 (Eng. Abstr.) **(Ger)**

[High tibial osteotomy—fixation by means of external fixation—indication, technique, complications (author's transl)] Klems H. **Z Orthop** 114(1):26–31, Feb 76 (Eng. Abstr.) **(Ger)**

[The treatment of post-traumatic gonarthrosis by transcondyloid intra-ligamentous tibia osteotomy] Dolanc B. **Z Unfallmed Berufskr** 68(1):37–8, 1975 **(Ger)**

[Experimental-clinical basis of 'petal-shape' osteotomy of tubular bones] Karpov SP. **Vestn Khir** 116(3):51–3, Mar 76 **(Rus)**

[Restricted osteoplasty of defects of the long tubular bones in osteomyelitis of fragments] Lushchitskii MA, et al. **Vestn Khir** 115(11):101–5, Nov 75 **(Rus)**

TRANSPLANTATION

Giant-cell tumor of the radius treated by massive resection and tibial bone graft. Campbell CJ, et al. **J Bone Joint Surg [Am]** 57(7):982–6, Oct 75

ULTRASTRUCTURE

Preparation of the tibial growth organ of young rats for scanning electron microscopy. Jenő L, et al. **Mikroskopie** 31(3–4):57–65, Jun 75

TIBIAL FRACTURES

Fractures of the tibia in children. Hansen BA, et al. **Acta Orthop Scand** 47(4):448–53, Aug 76

Comminuted epiphyseal fracture of the distal tibia. A case report and review of the literature. Torg JS, et al. **Clin Orthop** (110):215–7, Jul–Aug 75

Fractures about the knee in children. Crawford AH. **Orthop Clin North Am** (3):639–56, Jul 76

Fractures of the leg and ankle. Pappas AM. **Orthop Clin North Am** 7(3):657–76, Jul 76

[Fractures of the tibial spina and tuberosity, or fractures with subluxation of the upper end of the tibia] Duparc J, et al. **Rev Chir Orthop** 61(8):705–16, Dec 75 (Eng. Abstr.) **(Fre)**

[Roentgenologic and morphologic studies of experimental tibial-plateau fractures (author's transl)] Niethard FU, et al. **Arch Orthop Unfallchir** 85(1):71–80, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Ski boot rim fracture: tension-optical study] Karpf M, et al. **Fortschr Med** 94(3):103–7, 22 Jan 76 (Eng. Abstr.) **(Ger)**

[Recent malleolar fractures in adults] Delvecchio E, et al. **Chir Organi Mov** 61(6):711–44, 1975 (Eng. Abstr.) **(Ita)**

[Closed diaphyseal fractures of crural bones] Kaplan AV. **Ortop Travmatol Protez** (2):67–75, Feb 76 **(Rus)**

BLOOD

The values of some plasma components during the early phases of fracture healing in man. Lyritis G, et al. **Acta Orthop Scand** 47(3):264–6, Jun 76

Pattern of histamine & histaminase changes following trauma. Rai V, et al. **Indian J Exp Biol** 13(3):295–7, May 75

CLASSIFICATION

[Forms and classification of tibial-head fractures] Holz U. **Chirurg** 46(8):341–4, Aug 75 **(Ger)**

COMPLICATIONS

Peroneal nerve palsy due to superior dislocation of the head of the fibula and shortening of the tibia (Monteggia-like fracture dislocation of the calf). Levy M. **Acta Orthop Scand** 46(6):1020–5, Dec 75

Cavus deformity of the foot after fracture of the tibial shaft. Karlström G, et al. **J Bone Joint Surg [Am]** 57(7):893–900, Oct 75

Anterior tibial-compartment syndrome complicating fractures of the shaft of the tibia. Rorabeck CH, et al. **J Bone Joint Surg [Am]** 58(4):549–50, Jun 76

The fat embolism syndrome: one crucial step. Lozman J, et al. **Med Times** 103(11):90–9, Nov 75

[Fractures of the upper tibia and thromboembolic risk] Chopin J, et al. **Agressologie** 17(1):59–66, 1976 (Eng. Abstr.) **(Fre)**

[The problem of arthrosis following tibial-head fractures] Dustmann HO, et al. **Chirurg** 46(8):358–62, Aug 75 **(Ger)**

[Peroneus tendon contracture – an unusual complication following distal fracture of the tibia with ankle joint involvement (author's transl)] Vécsei V, et al. **Unfallheilkunde** 79(3):105–7, Mar 76 (Eng. Abstr.) **(Ger)**

[Gonarthrosis caused by fractures of the upper end of the tibia] Kuś WM. **Chir Narzadow Ruchu Ortop Pol** 40(5):579–86, 1975 (Eng. Abstr.) **(Pol)**

[Complications in extrafocal compression and distraction for nonunion of the tibia] Lebedev AA. **Vestn Khir** 115(10):105–110, OCT 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Strontium-85 profile counting in fractures of the tibial shaft. Puranen J, et al. **Acta Orthop Scand** 46(4):569–78, Sep 75

[Recognition, classification, diagnosis and expert evaluation of tibial head fractures] Persch WF, et al. **Monatsschr Unfallheilkd** 78(7):315–20, Jul 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Leukocyte and serum alkaline phosphatase after hip arthroplasty, synovectomy of the knee and fracture. Carlsson A, et al. **Clin Orthop** (114):265–9, Jan–Feb 76

ETIOLOGY

Stress fractures. Pilgaard S, et al. **Acta Orthop Scand** 47(2):167–9, Apr 76

Basketball injuries. pp. 50–2. Blazina M, et al. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**

Tibial stress syndrome in athletes. Clement DB. **J Sports Med** 2(2):81–5, Mar–Apr 75

Experimental biomechanics of the human leg. A basis for interpreting typical skiing injury mechanisms. Asang E. **Orthop Clin North Am** 7(1):63–73, Jan 76

Boot top fractures. Höflin F, et al. **Orthop Clin North Am** 7(1):205–13, Jan 76

[A case of fatigue fracture at the border between tibial head and shaft after removal of a small corticocancellous graft (author's transl)] Schuchardt E. **Z Orthop** 114(1):125–9, Feb 76 (Eng. Abstr.) **(Ger)**

[A case of tibial localization of echinococcal cysts] Costa P, et al. **Chir Organi Mov** 62(2):209–12, 1975 (Eng. Abstr.) **(Ita)**

[Biomechanics of fractures of the posterior margin of tibia in injuries of the ankle joint] Evseev VI. **Ortop Travmatol Protez** (2):45–7, Feb 76 **(Rus)**

PATHOLOGY

Early changes in the composition of rabbit articular cartilage following experimentally produced intra-articular fractures. A histological and thermoanalytical study. Farkas TA, et al. **Acta Orthop Scand** 46(5):716–26, Nov 75

PHYSIOPATHOLOGY

Collateral ligament laxity of the knee. Long-term comparison between plateau fractures and normal. Moore TM, et al. **J Bone Joint Surg [Am]** 58(5):594–8, Jul 76

Disability of the hindfoot after fracture of the tibial shaft. McMaster M. **J Bone Joint Surg [Br]** 58(1):90–3, Feb 76

Proceedings: Blood flows in the lower leg during recovery from fractures of the tibia and fibula. Imms FJ, et al. **J Physiol (Lond)** 251(1):22P, Sep 75

PREVENTION & CONTROL

An avoidable soccer injury. Gunther SF. **J Sports Med** 2(3):167–9, May–Jun 74

The biomechanics of children's ski bindings. Mack RP, et al. **J Sports Med** 2(3):154–62, May–Jun 74

RADIOGRAPHY

The use of tomography in the assessment of fractures of the tibial plateau. Elstrom J, et al. **J Bone Joint Surg [Am]** 58(4):551–5, Jun 76

Arthrographic evaluation of problems with united tibial plateau fractures. Anderson PW, et al. **Radiology** 119(1):75–8, Apr 76

[Experimental investigations regarding the limations of radiological demonstration of fractures of the head of the tibia (author's transl)] Niethard FU, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):136–40, Aug 76 (Eng. Abstr.) **(Ger)**

[Slow tibial fractures in children] Kupryanow-Wolfart K, et al. **Pol Przegl Radiol** 39(6):645–51, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

REHABILITATION

Physiological responses to exercise in patients following fracture of the lower limb. Davies CT, et al. **Scand J Rehabil Med** 7(2):45–50, 1975

[Fractures of diaphyseal tubular bone homotransplants in the process of regeneration] Stakheev IA. **Ortop Travmatol Protez** (2):16–20, Feb 76 (Eng. Abstr.) **(Rus)**

SURGERY

Porous ceramics as a bone substitute in the medial condyle of the tibia. An experimental study in sheep. Benum P, et al. **Acta Orthop Scand** 47(2):158–66, Apr 76

Editorial: Fractures of the shaft of tibia. **Br Med J** 4(5987):4, 4 Oct 75

Letter: Tibial shaft fractures. **Br Med J** 4(5990):226–7, 25 Oct 75

Experience with the dynamic compression plate (DCP) in 418 recent fractures of the tibial shaft. Rüedi T, et al. **Injury** 7(4):252–7, May 76

Tibial shaft fractures treated by rigid internal fixation: the early results in a 4-year series. Thunold J, et al. **Injury** 7(2):125–33, Nov 75

Posterior bone-grafting for infected ununited fracture of the tibia. Freeland AE, et al. **J Bone Joint Surg [Am]** 58(5):653–7, Jul 76

Intramedullary nailing in the treatment of open fractures of the tibia and fibula. Harvey FJ, et al. **J Bone Joint Surg [Am]** 57(7):909–15, Oct 75

Percutaneous pin fixation of open tibial fractures. Double-frame anchorage using the Vidal-Adrey method. Karlström G, et al. **J Bone Joint Surg [Am]** 57(7):915–24, Oct 75

Anterior bone grafts in delayed union and non-union of tibial shaft fractures: a review of 32 cases. Smith WD, et al. **J Okla State Med Assoc** 68(12):469–73, Dec 75

The application of the Maatz-spreading-nail in operative treatment of distal tibial fractures. Nonnemann HC, et al. **J Trauma** 16(08):604–9, Aug 76

Entrapment of the tibialis anterior tendon as a cause of nonunion in fractures of the distal tibia. Pho RW, et al. **J Trauma** 16(2):95–8, Feb 76

[Pitfalls of closed center nailing of the tibia in the treatment of recent diaphyseal fractures of the leg in adults] Paturieaux J. **Acta Orthop Belg** 41(6):714–36, 1975 **(Fre)**

[Replacement of the tibial plateau by the pediculate patella] Vives P, et al. **Rev Chir Orthop** 61(6):543–6, Sep 75 **(Fre)**

[Should one choose the nail or the plate in treating a leg fracture?] Vives P, et al. **Rev Chir Orthop** 61(8):693–703, Dec 75 (Eng. Abstr.) **(Fre)**

[Biomechanical investigations of osteosynthesis at metaphys area of tibia and femur with selftensed angle plates (author's transl)] Diehl K, et al. **Arch Orthop Unfallchir** 83(1):29–35, 4 Sep 75 (Eng. Abstr.) **(Ger)**

[Stresses on osteosyntheses of femur and tibia in early mobilisation (author's transl)] Diehl K. **Arch Orthop Unfallchir** 84(1):39–56, 26 Feb 76 (Eng. Abstr.) **(Ger)**

[Investigations of strength of tibia osteosynthesis (author's transl)] Kiehl K. **Arch Orthop Unfallchir** 82(3):205–16, 27 Jun 75 (Eng. Abstr.) **(Ger)**

[Experiences with the dynamic compression plate (DCP) in 418 fresh fractures of the tibial shaft (author's transl)] Rüedi T, et al. **Arch Orthop Unfallchir** 82(3):247–56, 27 Jun 75 (Eng. Abstr.) **(Ger)**

[The results of open reduction of distal tibial epiphyseal injuries (author's transl)] Stampfel O, et al. **Arch Orthop Unfallchir** 84(2):211–20, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Retreatment following tibial-head fractures] Hierholzer G, et al. **Chirurg** 46(8):352–8, Aug 75 **(Ger)**

[Results of surgical treatment of 225 tibial-head fractures] Muggler E, et al. **Chirurg** 46(8):348–52, Aug 75 **(Ger)**

[Biology and biomechanics of infected osteosyntheses] Rittmann WW, et al. **Fortschr Kiefer Gesichtschir** 19:48–50, 1975 **(Ger)**

[Late complications following extra-articular tibial fractures] Reichen A, et al. **Helv Chir Acta** 42(4):479–84, Sep 75 **(Ger)**

[Intramedullary fixation of fragments in soft-tissue injuries (author's transl)] Contzen H. **Langenbecks Arch Chir** 339:493–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Fixateurs externes for fractures combined with damage to the soft tissue (author's transl)] Hierholzer G. **Langenbecks Arch Chir** 339:505–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Stability and strain of osteosynthesis of thigh and tibia in early mobilization (author's transl)] Diehl K. **Unfallheilkunde** 79(3):81–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Flexural strength testing in conservatively (cast fixation and medullary splinting) and operatively (stable plate osteosynthesis) treated osteotomies of rabbit tibiae (author's transl)] Jäger M, et al. **Unfallheilkunde** 79(5):193–201, May 76 (Eng. Abstr.) **(Ger)**

[Influence of blood supply and determination of the optimal severance time in tubed flaps of the lower extremity (author's transl)] Köhnlein HE. **Unfallheilkunde** 79(5):209–12, May 76 (Eng. Abstr.) **(Ger)**

[Post-traumatic arthroses following osteosynthesis of tibial condyle fractures] Simeon B, et al. **Z Unfallmed Berufskr** 68(1):29–36, 1975 **(Ger)**

[Supporting role of the fibula in tibial fractures] Fekete G, et al. **Magy Traumatol Orthop** 19(1):14–22, 1976 (Eng. Abstr.) **(Hun)**

[Experience with the treatment of longitudinal oblique and spiral fractures of the leg by Goetze's percutaneous cerclage] Iván I, et al. **Magy Traumatol Orthop** 18(3):223–7, 1975 **(Hun)**

[Experience with the treatment of open leg fractures] József M, et al. **Magy Traumatol Orthop** 18(4):301–3, 1975 **(Hun)**

[Therapeutic principles and results in the management of open fractures of the tibial] Vilmos B, et al. **Magy Traumatol Orthop** 18(4):280–5, 1975 **(Hun)**

[Soft tissue complications and their reconstruction following osteosynthesis of open tibial fractures] Zoltán B, et al. **Magy Traumatol Orthop** 18(4):292–300, 1975 **(Hun)**

[Fibula-pro-tibia transplant. Indications, technics and results] Florio U, et al. **Chir Organi Mov** 62(4):367–79, 1975 (Eng. Abstr.) **(Ita)**

[Treatment of delayed consolidation and pseudarthrosis of the tibia, using the Küntscher nail] Ranieri L, et al. **Chir Organi Mov** 62(3):269–72, 1975 (Eng. Abstr.) **(Ita)**

[Surgical treatment of fractures of the tibial plateau] De Palma L, et al. **Chir Patol Sper** 23(5):325–43, Oct 75 (Eng. Abstr.) **(Ita)**

[Fibular intramedullary and onlay bone graft for stabilization in delayed union and pseudarthrosis of the tibia with lateral displacement] Modrzewski K, et al. **Chir Narzadow Ruchu Ortop Pol** 41(1):15–20, 1976 (Eng. Abstr.) **(Pol)**

[Regeneration of bone tissue of the diaphysis under different conditions of experimental traction osteosynthesis] Lediaev VI. **Eksp Khir Anesteziol** (2):42–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Complications of compression-distraction method of the treatment of fractures of the limbs] Kaplan AV, et al. **Khirurgiia (Mosk)** (4):115–9, Apr 75 **(Rus)**

[Treatment of fractures of the distal end of tibia] Arenberg AA, et al. **Ortop Travmatol Protez** (8):50–1, Aug 75 **(Rus)**

[Closed reposition of chronic oblique and spiral fractures of the tibia with the aid of Gudushauri's apparatus] Gudushauri ON, et al. **Ortop Travmatol Protez** (10):50–2, Oct 75 **(Rus)**

[Transfocal compression osteosynthesis of oblique and spiral fractures of the crural bones] Skurikhin IuK. **Ortop Travmatol Protez** (10):60–1, Oct 75 **(Rus)**

[Use of local muscle relaxation in surgery of compound malleolar fractures] Kucherenko AE, et al. **Vestn Khir** 114(2):120–2, Feb 75 **(Rus)**

[Results of hetero-osteosynthesis in treatment of injuries of the crural bones] Nechaev BK. **Vestn Khir** 114(1):86–8, Jan 75 (Eng. Abstr.) **(Rus)**

[Percutaneous osteosynthesis in fractures of the distal segment of the crural bones with injury of the tibio-fibular junction] Skurikhin IuK. **Vestn Khir** 115(11):90–2, Nov 75 **(Rus)**

[Apparatus for extrafocal transosseous compression-distraction osteosynthesis] Tkachenko SS. **Vestn Khir** 114(2):106–9, Feb 75 (Eng. Abstr.) **(Rus)**

[Experience in the treatment of open splintered diaphyseal fractures of the shin bones with a compression-distraction apparatus] Tkachenko SS, et al. **Vestn Khir** 114(4):89–92, Apr 75 (Eng. Abstr.) **(Rus)**

[Osteosynthesis with bone screws in closed oblique and screw-like fractures of the long tubular bones] Tkachenko SS, et al. **Vestn Khir** 114(5):91–5, May 75 (Eng. Abstr.) **(Rus)**

[Results of rigid osteosynthesis treatment of diaphyseal fractures of the tibia] Pleterski M, et al. **Acta Chir Iugosl** 23(1):15–35, 1976 (Eng. Abstr.) **(Ser)**

[Intramedullary nail bolted to the femur and tibia] Klemm K, et al. **Bull Soc Int Chir** 34(2):93–6, 1975 (Eng. Abstr.) **(Spa)**

THERAPY

Segmental tibial shaft fractures. Langård O, et al. **Acta Orthop Scand** 47(3):351–7, Jun 76

150 open fractures of the tibial shaft—the relation between necrosis of the skin and delayed union. Tonnesen PA, et al. **Acta Orthop Scand** 46(5):823–35, Nov 75

Cast brace treatment of plateau and bicondylar fractures of the proximal tibia. Brown GA, et al. **Clin Orthop** (119):184–93, Sep 76

Fatigue fractures of tibial and femoral shaft in soldiers. Hallel T, et al. **Clin Orthop** (118):35–43, Jul–Aug 76

Percutaneous electrical stimulation for clinical tibial fracture repair. Romano RL, et al. **Clin Orthop** (114):290–5, Jan–Feb 76

The results of operative and non-operative management of tibial fractures. Karaharju EO, et al. **Injury** 7(1):47–52, Aug 75

Treatment of tibial shaft fractures by internal fixation and compression. Bo O, et al. **J Oslo City Hosp** 26(6):65–8, Jun 76

The tibial shaft fracture. Burkhalter WE, et al. **J Trauma** 15(9):785–94, Sep 75

Displaced tibial shaft fractures: a comparison of treatment methods. Dunn AW. **South Med J** 69(1):37–9, Jan 76

Treatment methods in tibial condylar fractures. Hohl M. **South Med J** 68(8):985–91, Aug 75

[Therapeutic principles in tibial-head fractures] Spier W, et al. **Chirurg** 46(8):345–7, Aug 75 **(Ger)**

[Differential indication for the management of tibial fracture. Osteosynthesis? Functional plaster (Sarmiento)] Wiedmer U, et al. **Helv Chir Acta** 42(4):475–7, Sep 75 **(Ger)**

[Functional, conservative treatment of tibial schaft fractures] Wiedmer U, et al. **Helv Chir Acta** 42(4):463–74, Sep 75 (Eng. Abstr.) **(Ger)**

[Therapy of fractures of the tibial plateau] Godoli N, et al. **Chir Organi Mov** 62(3):235–67, 1975 (Eng. Abstr.) **(Ita)**

[Study of the possibility of electric stimulation of callus formation in injury of the crural bones] Iumashev GS, et al. **Ortop Travmatol Protez** (6):61–3, Jun 75 **(Rus)**

VETERINARY

Orthopedic problem. **Can Vet J** 16(9):275, Sep 75

An expansion and compression technique for reducing and stabilizing proximal epiphyseal fractures of the tibia in foals. White NA, et al. **J Am Vet Med Assoc** 167(8):733–8, 15 Oct 75

Treatment of fractures of the tibial tuberosity in the dog. Withrow S, et al. **J Am Vet Med Assoc** 168(2):122–4, 15 Jan 76

TIBIAL MENISCUS see **SEMILUNAR CARTILAGES**

TIBIAL NERVE

PHYSIOLOGY

Supersensitivity to ACh in muscles after prolonged nerve block. Lorković H. **Arch Int Physiol Biochim** 83(4):771–81, Oct 75

F-wave conduction velocity in the central segment of the peroneal and tibial nerves. Kimura J, et al. **Arch Phys Med Rehabil** 56(11):492–7, Nov 75

PHYSIOPATHOLOGY

[The speed of nerve-conduction after micro-surgical suture of the tibial nerve of the rabbit (author's transl)] Weigert M, et al. **Z Orthop** 113(5):943–7, Oct 75 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical decompression of posterior tibial neurovascular complex in treatment of certain chronic plantar ulcers and posterior tibial neuritis in leprosy. Palande DD, et al. **Int J Lepr** 43(1):36–40, Jan–Mar 75

Intraneural tissue reactions induced by internal neurolysis. An experimental study on the blood-nerve barrier, connective tissues and nerve fibres of rabbit tibial nerve. Rydevik B, et al. **Scand J Plast Reconstr Surg** 10(1):3–8, 1976

TIC

The facial tics. Harrison MS. **J Laryngol Otol** 90(6):561–70, Jun 76 (28 ref.)

CHEMICALLY INDUCED

Tics following methylphenidate administration. A report of 20 cases. Denckla MB, et al. **JAMA** 235(13):1349–51, 29 Mar 76

Letter: Methylphenidate-induced tics. Margolin DI. **JAMA** 236(8):917–8, 23 Aug 76

Letter: Tic-like dyskinesias. Osterberg DH, et al. **JAMA** 236(7):823, 16 Aug 76

CLASSIFICATION

Gilles de la Tourette's syndrome: summary of clinical experience with 250 patients and suggested nomenclature for tic syndromes. Shapiro AK, et al. **Adv Neurol** 14:277–83, 1976

DRUG THERAPY

[Effects of L-DOPA on the physiological nocturnal sleep of patients with facial paraspasm] Di Perri R, et al. **Acta Neurol (Napoli)** 29(6):675–80, Nov–Dec 74 (Eng. Abstr.) **(Ita)**

[Polygraphic analysis of nocturnal sleep in subjects affected by bilateral facial spasm, prior to and following L-DOPA administration (author's transl)] Di Perri R, et al. **Riv Patol Nerv Ment** 95(5):662–72, Oct 74 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Infantile hemifacial spasm. Langston JW, et al. **Arch Neurol** 33(4):302–3, Apr 76

Basilar artery ectasia. (An unusual cause of a cerebello-pontine lesion and hemifacial spasm). Gibson WP, et al. **J Laryngol Otol** 89(7):721–731, Jul 75

The cause of hemifacial spasm: definitive microsurgical treatment at the brainstem in 31 patients. Jannetta PJ. **Trans Am Acad Ophthalmol Otolaryngol** 80(3 Pt 1):319–22, May–Jun 75

SURGERY

Trigeminal neuralgia and hemifacial spasm—etiology and definitive treatment. Jannetta PJ. **Trans Am Neurol Assoc** 100:89–91, 1975

THERAPY

[Phonetics: a measure of choice for the correction of archaic oral tics] Margaillan-Fiammengo L. **Actual Odontostomatol (Paris)** (110):265–74, Jun 75 (Eng. Abstr.) **(Fre)**

TICARCILLIN see under **PENICILLINS**

TICK CONTROL

Importance of entomologic diagnosis and research in tick control programs. pp. 99–105. Graham OH. **In: VIII Inter-American Meeting on Foot-and-Mouth Disease an Zoonoses Control. Washington, Pan American Health Organization, 1976. W1 PA443 no.316 1976.**

The problem of acaricide resistance in tick control programs. pp. 94–8. Grillo Torrado JM. **In: VIII Inter-American Meeting on Foot-and-Mouth Disease an Zoonoses Control. Washington, Pan American Health Organization, 1976. W1 PA443 no.316 1976.** (13 ref.)

The National Tick Eradication Campaign in Mexico. pp. 106–11. Lavie RC. **In: VIII Inter-American Meeting on Foot-and-Mouth Disease an Zoonoses Control. Washington, Pan American Health Organization, 1976. W1 PA443 no.316 1976.**

Effects of 60Co irradiation of the early developmental stages of an ixodid tick, Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(2):159–68, Feb 76

Effects of 60Co irradiation on unfed adults and engorged females of the tick Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(3):241–8, Mar 76

Tests of acaricides for control of Boophilus annulatus and B. microplus. Drummond RO, et al. **J Econ Entomol** 69(1):37–40, Feb 76

Amblyomma americanum: area control with granules or concentrated sprays of diazinon, propoxur, and chlorpyrifos. Mount GA, et al. **J Econ Entomol** 69(2):257–9, Apr 76

Muscarinic agonists provide a new class of acaricide. Bigg DC, et al. **Nature** 262(5565):220–2, 15 JUL 76

[Control of ixodid ticks during the fall-winter period] Omarov LM. **Veterinariia** (1):62–3, Jan 76 **(Rus)**

HISTORY

Past-workers on tick and tick-borne diseases in Southern Africa. Theiler G. **J S Afr Vet Assoc** 46(4):303–10, Dec 75

METHODS

[Ecological bases for the control of ixodid ticks] Berdyev

A. **Veterinariia** (7):71–4, Jul 76 **(Rus)**
[Control of the tick Dermacentor marginatus] Li PN, et al. **Veterinariia** (8):59–60, Aug 75 **(Rus)**

TICK INFESTATIONS

[Case of Argas reflexus (Fabricius, 1974) infestation in man] Grzywacz M, et al. **Wiad Lek** 28(18):1571–7, 15 Sep 75 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Acquired resistance to ticks. II. Effects of Cyclophosphamide on resistance. Wikel SK, et al. **Immunology** 30(4):479–84, Apr 76

OCCURRENCE

African cattle tick infesting a Canadian. Scholten T. **Can Med Assoc J** 115(6):491–2, 18 Sep 76
[Settlement tick-borne spirochetosis in the republics of Central Asia and the urgent problems in its prevention and elimination] Pospelova-Shtrom MV, et al. **Med Parazitol (Mosk)** 45(3):303–9, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Conditions for maintaining a natural focus of tick-borne spirochetosis in southern Tadzhikistan] Vasil'vae IS, et al. **Parazitologiia** 10(1):67–71, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Studies on the feeding of larval Argas persicus Oken. Moorhouse DE. **Z Parasitenkd** 48(1):65–71, 11 Dec 75

PHYSIOPATHOLOGY

Changes in lymphatic fluid draining an area of inflammation induced by feeding Rhipicephalus sanguineus (Acarina: Ixodidae) on the dog. Theis JH, et al. **J Med Entomol** 13(1):26–39, 29 May 76

PREVENTION & CONTROL

[Avian ticks attacking humans] Naidich NL, et al. **Med Parazitol (Mosk)** 44(6):735–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Boophilus microplus (Canestrini) (Acaridae: Ixodidae) on the bovine host. I. Mortality during the developmental cycle. Bennett GF. **Acarologia** 16(4):643–50, Apr 75
Socioeconomic importance of the tick problem in the Americas. pp. 79–89. Lombardo RA.
In: VIII Inter-American Meeting on Foot-and-Mouth Disease an Zoonoses Control. Washington, Pan American Health Organization, 1976. W1 PA443 no.316 1976. (46 ref.)
Tests of acaricides for control of Boophilus annulatus and B. microplus. Drummond RO, et al. **J Econ Entomol** 69(1):37–40, Feb 76
Power dusting with organophosphorus insecticides to control the sheep ked. Pfadt RE, et al. **J Econ Entomol** 68(4):468–70, Aug 75
Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. Jackson JO, et al. **J Med Entomol** 12(4):409–12, 31 Oct 75
Notes on the role of ticks feeding on lagomorphs and ingestion of ticks by vertebrates in the epidemiology of Rocky Mountain spotted fever. Wilkinson PR, et al. **J Med Entomol** 12(4):480, 31 Oct 75
A comparison of the effect of two regimens of infestation on the development of resistance by cattle to the cattle tick, Boophilus microplus (Can.). Hewetson RW, et al. **J Parasitol** 62(2):307–11, Apr 76
Resistance to Boophilus microplus (Canestrini) in genetically different types of calves in early life. O'Kelly JC, et al. **J Parasitol** 62(2):312–7, Apr 76
Boophilus microplus: passive transfer of resistance in cattle. Roberts JA, et al. **J Parasitol** 62(3):485–8, Jun 76
Past-workers on tick and tick-borne diseases in Southern Africa. Theiler G. **J S Afr Vet Assoc** 46(4):303–10, Dec 75
Ixodes scapularis Say on white-tailed deer (Odocoileus virginianus) from Long Point, Ontario. Watson TG, et al. **J Wildl Dis** 12(1):66–71, Jan 76
Letter: The brown dog tick (Rhipicephalus sanguineus) on an imported dog. McKenna PB, et al. **NZ Vet J** 23(10):242, Oct 75
Ticks from the African buffalo (Syncerus caffer) in Ngamiland, Botswana. Carmichael IH. **Onderstepoort J Vet Res** 43(1):27–9, Mar 76
Ixodes (Afrixodes) drakensbergensis n. sp. from domestic and wild animals in Natal, Republic of South Africa. Clifford CM, et al. **Onderstepoort J Vet Res** 42(1):33–9, Mar 75
[Parasitism of the fox (Vulpes vulpes L.) by Ixodidae (Acarina) in northeast France. Interpretation of the seasonal dynamics of the parasites in relation to the biology of the host] Aubert MF. **Acarologia** 17(3):452–79, Feb 76 (Eng. Abstr.) **(Fre)**

TICK PARALYSIS see under **TICK TOXICOSES**

TICK TOXICOSES

PHYSIOPATHOLOGY

Tick paralysis: electrophysiologic studies. Swift TR, et al. **Neurology (Minneap)** 25(12):1130–3, Dec 75

VETERINARY

Cattle and the paralysis tick Ixodes holocyclus. Doube BM. **Aust Vet J** 51(11):511–5, Nov 75
Paralysis in chickens caused by larvae of the poultry tick, Argas persicus. Rosenstein M. **Avian Dis** 20(2):407–9, Apr–Jun 76

TICKS

Distribution of suspected tick vectors and reported cases of Rocky Mountain spotted fever in California. Rotramel GL, et al. **Am J Epidemiol** 104(3):287–93, Sep 76
Studies on transmission of Babesia bigemina. Chaudhri RP, et al. **Ann Soc Belg Med Trop** 55(4):327–32, 1975
Cattle and the paralysis tick Ixodes holocyclus. Doube BM. **Aust Vet J** 51(11):511–5, Nov 75
African cattle tick infesting a Canadian. Scholten T. **Can Med Assoc J** 115(6):491–2, 18 Sep 76
Recent records of ticks, Ixodes cookei Packard and Dermacentor variabilis (Say) (Acarina: Ixodoidea) in southwestern Ontario. Judd WW. **Entomol News** 86(7–8):157–9, Sep–Oct 75
Transmission of Kyasanur Forest Disease virus by Haemaphysalis kyasanurensis trapido, Hoogstraal and Rajagopalan, 1964 (Acarina: Ixodidae). Bhat HR, et al. **Indian J Med Res** 63(6):879–87, Jun 75
A photoelectric counter for tick larvae and small insects. Solomon KR, et al. **J Econ Entomol** 69(1):17–20, Feb 76
Colorado tick fever in the Rocky Mountain states. Beckord B. **J Iowa Med Soc** 66(5):173–4, May 76
A review of Rocky Mountain spotted fever (tick-borne typhus), its agent, and its tick vectors in the United States. Burgdorfer W. **J Med Entomol** 12(3):269–78, 25 Sep 75 (57 ref.)
Seasonal and regional abundance of ticks (Ixodidae) on hares (Leporidae) in Kenya. Clifford CM, et al. **J Med Entomol** 13(1):40–7, 29 May 76
Host and distributional records for the tick Amblyomma inornatum (Banks) (Acarina: Ixodidae), with descriptions of the immature stages. Eads RB, et al. **J Med Entomol** 12(5):493–6, 30 Dec 75
A simplified carbon dioxide collection technique for the recovery of live ticks (Acarina). Grothaus RH, et al. **J Med Entomol** 12(6):702, 20 Feb 76
Ornithodoros (Alectorobius) capensis Neumann (Ixodoidea: Argasidae) parasitizing a human and birds nesting on islands in East African lakes. Hoogstraal H, et al. **J Med Entomol** 12(6):703–4, 20 Feb 76
Relationships of immature Dermacentor variabilis (Say) (Acari: Ixodidae) with the white-footed mouse, Peromyscus leucopus, in southwestern Wisconsin. Jackson JO, et al. **J Med Entomol** 12(4):409–12, 31 Oct 75
Report of a tick, Ornithodoros rossi (Acarina: Argasidae), from the spotted bat, Euderma maculatum (Chiroptera: Vespertilionidae). Poché RM, et al. **J Med Entomol** 12(5):503, 30 Dec 75
Evaluation of CO2-baited traps for survey of Amblyomma maculatum Koch and Dermacentor variabilis Say (Acarina: Ixodidae). Semtner PJ, et al. **J Med Entomol** 12(1):137–8, 30 Apr 75
New distribution record for Dermacentor hunteri Bishopp (Acari: Ixodidae). Williams CF. **J Med Entomol** 13(1):98, 29 May 76
Studies on the ecology of Amblyomma marmoreum Koch 1844 (Acarnia: Ixodidae). Norval RA. **J Parasitol** 61(4):737–42, Aug 75
Studies on the ecology of Haemaphysalis silacea Robinson 1912 (Acarina: Ixodidae). Norval RA. **J Parasitol** 61(4):730–6, Aug 75
Reproduction in ticks (Acari: Ixodoidea). 4. Effects of mechanical and chemical stimulation on oocyte development in Amblyomma americanum. Oliver JH, et al. **J Parasitol** 61(4):782–4, Aug 75
Arsenic resistance in species of multi-host ticks in the Republic of South Africa and Swaziland. Matthewson MD, et al. **J S Afr Vet Assoc** 46(4):341–4, Dec 75
Past-workers on tick and tick-borne diseases in Southern Africa. Theiler G. **J S Afr Vet Assoc** 46(4):303–10, Dec 75
Ticks from the African buffalo (Syncerus caffer) in Ngamiland, Botswana. Carmichael IH. **Onderstepoort J Vet Res** 43(1):27–9, Mar 76
Theileria mutans: experimental transmission by Haemaphysalis punctata. Brocklesby DW, et al. **Tropenmed Parasitol** 26(3):295–302, Sep 75
[Distribution and seasonal dynamics of Hyalomma plumbeum (Panzer) species ticks in Pazsrdzhik District] Georgiev B, et al. **Vet Med Nauki** 13(1):94–100, 1976 (Eng. Abstr.) **(Bul)**
[Study of some biological peculiarities of Argas persicus] Petrov D, et al. **Vet Med Nauki** 12(8):25–32, 1975 (Eng. Abstr.) **(Bul)**
[Role of ticks of the species Argas persicus Oken, 1818, in the epizootology of pullorum disease in birds] Stefanov V, et al. **Vet Med Nauki** 12(5):45–50, 1975 (Eng. Abstr.) **(Bul)**
[Trends in Ixodides fauna along the Black Sea in the south] Trifonov T. **Vet Med Nauki** 12(5):70–9, 1975 (Eng. Abstr.) **(Bul)**
[Ecology and pathogenic role of Dermacentor reticulatus (Fabricius, 1794) (Ixodoidea) in the southeast of France] Gilot B, et al. **Acarologia** 16(2):220–49, Oct 74 (Eng. Abstr.) **(Fre)**
[Ecology and ethology of Ixodes ricinus L. in Switzerland. 4. Comparison of 2 populations at different altitudes] Mermod C, et al. **Acarologia** 17(3):442–51, Feb 76 (Eng. Abstr.) **(Fre)**
[Ixodidae of the Champagne-Ardennes region. Preliminary study] Panas E, et al. **Acarologia** 28(1):51–5, Jul 76 **(Fre)**
[Dermatoses caused by ticks] Götz H, et al. **Med Klin** 70(34):1332–9, 22 Aug 75 (23 ref.) **(Ger)**
[Chronic lymphocytic meningitis with polytopic involvement of the nervous system (after tick bite?)] Wenig C. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):592–600, Oct 75 (Eng. Abstr.) **(Ger)**
[Successful treatment of bronchial asthma with an allergen from a dermatophagoid tick] Ravikovich FM. **Klin Med (Mosk)** 53(12):103–4, Dec 75 **(Rus)**
[Changes in the fauna and the quantity of blood-sucking arthropods in various regions of the USSR in connection with the economic development of the territory] Alekseev AN. **Med Parazitol (Mosk)** 45(1):3–14, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Population and a group of populations in Ixodes persulcatus P. Sch] Korenberg EI. **Med Parazitol (Mosk)** 45(3):297–303, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Avian ticks attacking humans] Naidich NL, et al. **Med Parazitol (Mosk)** 44(6):735–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Counts of the imago of the desert tick, Hyalomma asiaticum P. Sch. et E. Schl. in the southeastern Kara-Kum] Neronov VM, et al. **Med Parazitol (Mosk)** 45(3):318–22, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Properties of a bactericidal substance isolated from Ornithodoros papillipes tics] Podboronov VM, et al. **Med Parazitol (Mosk)** 44(6):716–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[The antibacterial effect of organs and tissues of Hyalomma dromedarii, Hyalomma anatolicum and Ixodes persulcatus ticks] Podboronov VM, et al. **Med Parazitol (Mosk)** 44(5):545–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Epidemiological evaluation of tick-borne encephalitis along the route of the Baikal-Amur railroad within the Amur region] Uspenskii IV, et al. **Med Parazitol (Mosk)** 44(5):525–33, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Ixodid ticks in the health resort zone of Leningrad] Vansulin SA, et al. **Med Parazitol (Mosk)** 45(1):94–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Habitats of the population of Ornithodoros tartakovskyi ol. (Argasidae) in southern Tadzhikistan. Report 1. Number of ticks in various types of burrows] Vasil'eva IS. **Med Parazitol (Mosk)** 45(1):42–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Habitat sites of an Ornithodoros tartakovskyi Ol. (Argasidae) population in southern Tadzhikistan. 3. The relationships of Ornithodoros tartakovskyi Ol. to various types of burrows] Vasil'eva IS. **Med Parazitol (Mosk)** 45(3):309–13, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Ecology of the tick, Dermacentor silvarum Ol] Beliaeva NS. **Parazitologiia** 9(4):352–3, Jul–Aug 75 **(Rus)**
[Experience in the absolute calculation of pasture ixodid ticks (Parasitiformes, Ixodidae) on the eastern macroslopes of Sikhoté-Alin] Kolonin GV, et al. **Parazitologiia** 9(5):419–24, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Experience in the study of the peculiarities of the distribution of the tick Ixodes ricinus in a large territory] Korenberg EI, et al. **Parazitologiia** 9(3):260–4, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Data on the distribution of Ixodes pavlovskyi Pom. in the Altai (Acarina, Ixodidae)] Kovalevskiĭ IuV, et al. **Parszitologiia** 9(6):518–21, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Distribution and some problems in the ecology of the tick, Ixodes trianguliceps Bir. in the southern Urals] Lykov VA. **Parazitologiia** 9(4):348–51, Jul–Aug 75 **(Rus)**
[Ability of female ixodid ticks to recover from poisoning with DDT in the process of feeding] Uspenskiĭ IV, et al. **Parazitologiia** 9(5):404–11, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Allergy to ticks – an urgent problem of allergology] Pletnev BD, et al. **Sov Med** (8):74–7, Aug 75 (Eng. Abstr.) **(Rus)**
[The skin lesion of guinea pigs in the region of a bite by a tick infected with Burnet's rickettsia] Khavkin TN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:55–62, 1973 **(Rus)**

ANALYSIS

Cryptoxanthin—a dominating carotenoid in the meadow tick (Dermacentor pictus Hermann). Czeczuga B. **Bull Acad Pol Sci [Biol]** 23(4):263–5, 1975
Some toxic, physical and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyi Audouin (1827). Howell CJ, et al. **Onderstepoort J Vet Res** 42(3):99–102, Sep 75
[Study of the protein spectrum of the organs of blood-fed and hungry ticks Hyalomma dromedarii by the method of polyacrylamide gel electrophoresis] Stepanchenok-Rudnik GI, et al. **Med Parazitol (Mosk)**

44(4):433–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Free amino acids in organs of Alveonasus lahorensis ticks] Stepanchenok–Rudnik GI, et al. **Med Parazitol (Mosk)** 44(5):549–53, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Size variation in the adult American dog tick Dermacentor variabilis Say. (Acarina: Ixodidae). McEnroe WD. **Acarologia** 16(2):214–9, Oct 74
Differential variation of parthenogenetic and bisexual Haemaphysalis longicornis (Acari: Ixodidae). Oliver JH Jr, et al. **J Parasitol** 62(3):475–84, Jun 76
A comparative observation of Ixodes persulcatus and Ixodes nipponensis through scanning electron microscope. Yamane Y, et al. **Yonago Acta Med** 18(1):50–65, Jun 74
[Anatomical age changes of empty imago Ixodes ticks (physiological age)] Razumova IV. **Med Parazitol (Mosk)** 44(2):185–91, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Little–known parasite of wild birds, Ixodes caledonicus Nuttall, 1910, in the fauna of the USSR (Ixodoidea, Ixodidae)] Filippova NA, et al. **Parazitologiia** 9(4):339–47, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Biology of Warroa ticks] Lange AB, et al. **Veterinariia** (7):74–7, Jul 76 **(Rus)**

CLASSIFICATION

The Ixodes ticks (Acarina: Ixodidae) of Nepal. Clifford CM, et al. **J Med Entomol** 12(1):115–37, 30 Apr 75
Ixodes (Afrixodes) drakensbergensis n. sp. from domestic and wild animals in Natal, Republic of South Africa. Clifford CM, et al. **Onderstepoort J Vet Res** 42(1):33–9, Mar 75
[Study of the ticks of Kazachinsko–Lenskoye and Northern Baikal Districts in the western portion of the Baikal–Amur mainline] Eropov VI, et al. **Med Parazitol (Mosk)** 45(3):29–47, May–Jun 76 (Eng. Abstr.) **(Rus)**
[New species of rhinonyssid ticks (Gamasoidea, Rhinonyssidae) that parasitize owls] Butenko OM. **Parazitologiia** 10(4):303–9, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Description of a gland associated with the foveae dorsales in 2 species of Dermacentor ticks, and its possible role in sex pheromone activity (Metastigmata: Ixodidae). Layton EC, et al. **J Med Entomol** 12(3):287–95, 25 Sep 75

DRUG EFFECTS

Field evaluation of arthropod repellent netting as a ground cloth against ticks. Grothaus RH, et al. **Am J Trop Med Hyg** 25(5):747–50, Sep 76
Muscarinic agonists provide a new class of acaricide. Bigg DC, et al. **Nature** 262(5565):220–2, 15 JUL 76
Ecdysone and the super tick. Mango C, et al. **Nature** 260(5549):318–9, 25 Mar 76
[The tick Amblyomma variegatum (ixodidae), apparently resistant to arsenic, in Madagascar] Uilenberg G. **Rev Elev Med Vet Pays Trop** 28(3):405–8, 1975 (Eng. Abstr.) **(Fre)**
[The acaricide resistance of ixodine and argaside ticks] Gothe R, et al. **Dtsch Tieraerztl Wochenschr** 82(11):461–5, 5 Nov 75 **(Ger)**
[Acaricide–resistance of ixodide and argaside ticks] Gothe R, et al. **Dtsch Tieraerztl Wochenschr** 82(10):413–20 contd, 5 Oct 75 **(Ger)**
[The ixodicidal activity of clenpyrin, chlordimeform and chlormethiuron against OP–resistant Boophilus microplus strains] Gothe R, et al. **Zentralbl Veterinaermed [B]** 23(3):243–54, Apr 76 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

A rapid spectrophotometric method for the monitoring of embryonic development in ticks (Acarina: Ixodoidea). Londt JG. **Onderstepoort J Vet Res** 42(3):103–7, Sep 75

ENZYMOLOGY

An approach to the design of acaricidal enzyme inhibitors. Holan G, et al. **Environ Qual Saf [Suppl]** 3:450–4, 1975
Chlorodimeform and its effect on monoamine oxidase activity in the cattle tick, Boophilus microplus. Holden JS, et al. **Experientia** 31(9):1015–7, 15 SEP 75
Na, K–ATPase in the salivary gland of the ixodid tick Amblyomma hebraeum (Koch) and its relation to the process of fluid secretion. Kaufman WR, et al. **Experientia** 32(8):986–7, 15 Aug 76

GROWTH & DEVELOPMENT

Boophilus microplus (Canestrini) (Acaridae: Ixodidae) on the bovine host. I. Mortality during the developmental cycle. Bennett GF. **Acarologia** 16(4):643–50, Apr 75
Boophilus microplus (Canestrini) (Acarida: Ixodidae) on the bovine host. II. Distribution of stages during development. Bennett GF. **Acarologia** 17(1):43–52, Jul 75
The role of mammals in natural foci of tick–borne encephalitis in Central Europe. Černý V. **Folia Parasitol (Praha)** 22(3):271–3, 1975
Life history of Dermacentor auratus Supino, 1897 (Acarina, Ixodidae). Bhat HR, et al. **Indian J Med Res** 62(12):1871–80, Dec 74
Laboratory rearing procedures and equipment for multi–host ticks (Acarina: Ixodidae). Patrick CD, et al. **J Med Entomol** 12(3):389–90, 25 Sep 75
Laboratory culture of Ixodes acutitarsus (Karsch, 1880). Kitaoka S, et al. **Natl Inst Anim Health Q (Tokyo)** 15(4):203–4, Winter 75
The subgenus Persicargas (Ixodoidea: Argasidae: Argas). 27. The life cycle of A. (P.) robertsi population samples from Taiwan, Thailand, Indonesia, Australia, and Sri Lanka. Hoogstraal H, et al. **Southeast Asian J Trop Med Public Health** 6(4):532–9, Dec 75

IMMUNOLOGY

Isolation and partial characterization of an antigen from the cattle tick, Boophilus microplus. Willadsen P, et al. **Immunochemistry** 13(7):591–7, Jul 76
Acquired resistance to ticks. I. Passive transfer of resistance. Wikel SK, et al. **Immunology** 30(3):311–6, Mar 76
Acquired resistance to ticks. II. Effects of Cyclophosphamide on resistance. Wikel SK, et al. **Immunology** 30(4):479–84, Apr 76
[Interferogenic activity of D. sibericus in tissue culture and in experiments on animals] Golovanova AK. **Tr Leningr Inst Epidemiol Mikrobiol** 41:72–5, 1973 **(Rus)**

METABOLISM

Adrenaline and cyclic AMP stimulated uptake of chloride and fluid secretion by isolated salivary glands of the lone star tick. Sauer JR, et al. **Comp Biochem Physiol [C]** 53(2):63–6, 1976
Water balance and humidity preference in three species of ticks. Hair JA, et al. **J Med Entomol** 12(1):37–47, 30 Apr 75

MICROBIOLOGY

Rocky Mountain spotted fever in Mississippi: survey for spotted fever antibodies in dogs and for spotted fever group reckettsiae in dog ticks. Sexton DJ, et al. **Am J Epidemiol** 103(2):192–7, Feb 76
Isolation of Langat virus from Haemaphysalis papuana Thorell in Thailand. Bancroft WH, et al. **Am J Trop Med Hyg** 25(3):500–4, May 76
Rocky Mountain spotted fever (tick–borne typhus) in South Carolina: an educational program and tick/rickettsial survey in 1973 and 1974. Burgdorfer W, et al. **Am J Trop Med Hyg** 24(5):866–72, Sep 75
Human infection with Bhanja virus. Calisher CH, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1040–2, Nov 75
Soldado virus (Hughes group) from Ornithodoros (Alectorobius) capensis (Ixodoidea: Argasidae) infesting Sooty Tern colonies in the Seychelles, Indian Ocean. Converse JD, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1010–8, Nov 75
Isolation of a spotted fever group rickettsia from the Pacific Coast tick, Ixodes pacificus, in Oregon. Hughes LE, et al. **Am J Trop Med Hyg** 25(3):513–6, May 76
Development of Ehrlichia canis, causative agent of canine ehrlichiosis, in the tick Rhipicephalus sanguineus and its differentiation from a symbiotic Rickettsia. Smith RD, et al. **Am J Vet Res** 37(2):119–26, Feb 76
Aride virus, a new ungrouped arbovirus infecting Amblyomma loculosum ticks from roseate terns in the Seychelles. Converse JD, et al. **Arch Virol** 50(3):237–40, 1976
'Karshi' virus, a new flavivirus (Togaviridae) isolated from Ornithodoros papillipes (Birula, 1895) ticks in Uzbek S.S.R. Lvov DK, et al. **Arch Virol** 50(1–2):29–36, 1976
Virus 'Tamdy'—a new arbovirus, isolated in the Uzbee S.S.R. and Turkmen S.S.R. from ticks Hyalomma asiaticum asiaticum Schulee et Schlottke, 1929, and Hyalomma plumbeum plumbeum Panzer, 1796. Lvov DK, et al. **Arch Virol** 51(1–2):15–21, 1976
The effect of erythromycin on the growth of Rickettsia prowazekii in the body louse (Pediculus humanus corporis L) and the tick (Ornithodoros moubata Murray). Becla E. **Chemotherapy** 22(1):55–61, 1976
Isolation of a Soldado–like virus (Hughes group) from Ornithodorus maritimus ticks in Ireland. Keirans JE, et al. **Experientia** 32(4):453–4, 15 Apr 76
Rickettsiae belonging to the spotted fever group from ticks in the Tribeč Mountains. Reháček J, et al. **Folia Parasitol (Praha)** 23(1):69–73, 1976
Viral isolates from ixodid ticks of wild animals in Kenya. pp. 413–21. Solberg IM, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**
Isolation of Matruh virus from Hyalomma marginatum ticks in Egypt. Moussa MI, et al. **J Egypt Public Health Assoc** 49(6):341–8, 1974
Pretoria virus: a new African agent in the tickborne Dera Ghazi Khan (DGK) group and antigenic relationships within the DGK group. Converse JD, et al. **J Med Entomol** 12(2):202–5, 30 Jun 75
Observations on the subgenus Argas (Ixodoidea: Argasidae: Argas). 10. A. (A.) africolumbae, n. sp., a Pretoria virus–infected parasite of birds in southern and eastern Africa. Hoogstraal H, et al. **J Med Entomol** 12(2):194–201, 30 Jun 75
Isolation of Nyamanini and Quaranfil viruses from Argas (Persicargas) arboreus ticks in Nigeria. Kemp GE, et al. **J Med Entomol** 12(5):535–7, 30 Dec 75
Kcterah virus infections in four species of Argas ticks (Ixodoidea: Argasidae). Varma MG, et al. **J Med Entomol** 13(1):65–70, 29 May 76
Ecology of tick–borne viruses in colonies of birds in the USSR. Lvov DK, et al. **Med Biol** 53(5):325–30, Oct 75
Tick–borne viruses in Finland. Saikku P, et al. **Med Biol** 53(5):317–20, Oct 75
Tick–borne viruses in Norway. Traavik T, et al. **Med Biol** 53(5):621–4, Oct 75
Tick–borne viruses in Estonia. Vassilenko V, et al. **Med Biol** 53(5):312–6, Oct 75
Tick–borne viruses associated with seabirds in North America and related islands. Yunker CE. **Med Biol** 53(5):302–11, Oct 75
[Studies on the retention of R. burneti in Rh. bursa and H. detritum ticks] Pandurov S, et al. **Vet Med Nauki** 12(4):43–8, 1975 (Eng. Abstr.) **(Bul)**
[Study of rickettsias harbored by ticks (acaria, ixodoidea) in south–eastern France] Gilot B. **Bull Soc Pathol Exot** 68(6):529–38, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[A virus of the kemerovo group isolated from Icodes ricinus in the călimani mountains of rumania] Duca M, et al. **Rev Roum Virol** 25(4):367–8, 1974 **(Fre)**
[Observations on the behaviour of coxiella burneti in the argasid tick ornithodoros moubata (author's transl)] Weyer F. **Tropenmed Parasitol** 26(2):219–31, Jun 75 (Eng. Abstr.) **(Ger)**
[Experimental study of the role of ixodid ticks in the variability of the DS–trait of the tick–borne encephalitis virus] Chunikhin SP, et al. **Med Parazitol (Mosk)** 44(3):344–7, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Argasid ticks (Argasidae) and Rickettsia prowazekii (experimental studies)] Grokhovskaia IM, et al. **Med Parazitol (Mosk)** 44(6):712–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Interrelationship of Ixodoidea ticks and Rickettsia canada] Ignatovich VF, et al. **Med Parazitol (Mosk)** 45(3):313–7, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Importance of ixodid ticks in the transmission and preservation of the causative agent of Crimean hemorrhagic fever in foci of the infection] Kondratenko VF. **Parazitologiia** 10(4):297–302, Jul–Aug 76 (Eng. Abstr.) **(Rus)**
[Use of the hemagglutination inhibition test to study the rickettsia bearing ticks in foci of tick–borne rickettsiosis in Asia in the Tuva ASSR and the Irkutsk region] Golovanova AK, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:69–71, 1973 **(Rus)**
[Significance of indices of potential epidemiologic valency of natural foci of tick–borne encephalitis and methods of determining them] Chudinov PI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):105–9, Jan 76 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Studies on the development of Theileria annulata Dschunskowsky and Luhs, 1904 in the tick—Hyalomma anatolicum anatolicum Koch, 1844. Bhattacharyulu Y, et al. **Ann Parasitol Hum Comp** 50(4):397–408, Jul–Aug 75
Nosema slovaca sp. n.: a second microsporidian of the tick Ixodes ricinus. Weiser J, et al. **J Invertebr Pathol** 26(3):411, Nov 75
Observations on the biology and seasonal abundance of an encyrtid wasp, a parasite of ticks in Queensland. Doube BM, et al. **J Med Entomol** 12(4):433–47, 31 Oct 75
Parasitism of female ticks by males of the genus Ixodes. Moorhouse DE, et al. **J Med Entomol** 12(5):571–2, 30 Dec 75
Behavior of Dipetalonema viteae (Filarioidea) during escape from the vector tick, Ornithodoros tartakowskyi (Argasidae). Londoño I. **J Parasitol** 62(4):596–603, Aug 76
Distribution and movement of infective–stage larvae of Dipetalonema viteae (Filarioidea) in the vector tick, Ornithodoros tartakowskyi (Argasidae). Londoño I. **J Parasitol** 62(4):589–95, Aug 76
Development of Theileria mutants (Aitong) in the tick Amblyomma variegatum compared to that of T. parva (Muguga) in Rhipicephalus appendiculatus. Purnell RE, et al. **J Parasitol** 61(4):725–9, Aug 75
The fine structure of merozoites of Babesia bovis in the gut epithelium of Boophilus microplus. Potgieter FT, et al. **Onderstepoort J Vet Res** 43(1):1–9, Mar 76
Transstadial transmission of Theileria annulata through common ixodid ticks infesting Indian cattle. Bhattacharyulu Y, et al. **Parasitology** 71(1):1–7, Aug 75
Correlation between the morphology and infectivity of Theileria lawrencei developing in the tick Rhipicephalus appendiculatus. Young AS, et al. **Parasitology** 71(1):27–34, Aug 75
Ultrastructure of Babesia major in the tick Haemaphysalis punctata. Morzaria SP, et al. **Res Vet Sci** 21(1):1–11, Jul 76
Studies on Theileriidae (Sporozoa) in Tanzania. I. Tick transmission of Haematoxenus veliferus. Uilenberg G, et al. **Tropenmed Parasitol** 27(1):106–11, Mar 76
On the life cycle of Theileria annulata (Dschunkowsky and Luhs, 1904) in the midgut and hemolympth of Hyalomma anatolicum excavatum (Koch, 1844). Schein E. **Z Parasitenkd** 47(2):165–7, 12 Sep 75
[Electron microscope studies on developmental stages of Theileria parva (Theiler, 1904) in the intestine of the tick Hyalomma anatolicum excavatum (Koch, 1844) (author's transl)] Mehlhorn H, et al. **Tropenmed Parasitol**

27(2):182–91, Jun 76 (Eng. Abstr.) (Ger)
[Electron microscope studies on development stages of Theileria annulata (Dschunkowsky, Luhs, 1904) in the intestine and haemolymph of Hyalomma anatolicum excavatum (Koch, 1844) (author's transl)] Mehlhorn H, et al. **Z Parasitenkd** 48(2):137–50, 23 Dec 75 (Eng. Abstr.) (Ger)
[Light microscopic studies on the development of Theileria annulata (Dschunkowsky and Luhs, 1904) in Hyalomma anatolicum excavatum (Koch, 1844). I. The development in the gut of engorged nymphs (author's transl)] Schein E, et al. **Z Parasitenkd** 48(2):123–36, 23 Dec 75 (Eng. Abstr.) (Ger)
[Ticks on lemmings in the eastern Taimyr] Bogdanov II. **Parazitologiia** 9(6):522–5, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Gamasid ticks from voles in teh Tatar Republic] Sadekova IKh. **Parazitologiia** 10(3):279–82, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Diagnosis of warroatosis and the treatment of bees] Poltev VI, et al. **Veterinariia** (11):60–1, Nov 75 (Rus)

PATHOGENICITY

[Sheep tick (Ixodes ricinus) as cause and transmittor of human diseases] Thöne AW. **Ned Tijdschr Geneeskd** 119(24):957–9, 14 Jun 75 (Eng. Abstr.) (Dut)

PHYSIOLOGY

Oviposition of Boophilus microplus (Canestrini) (Acarida: Ixodidae). II. Influence of temperature, humidity and light. Bennett GF. **Acarologia** 16(2):251–7, Oct 74
Oviposition of Boophilus microplus (Canestrini) (Acarida: Ixodidae). III. Oviposition pattern of acaracide resistant strain. Bennett GF. **Acarologia** 16(3):394–6, Feb 75
The biology of Ixodes (Ceratixodes) uriae White, 1852 in Newfoundland. Eveleigh ES, et al. **Acarologia** 16(4):621–35, Apr 75
The regulation of adult American dog tick, Dermacentor variabilis Say, seasonal activity and breeding potential (Ixodidae: Acarina). McEnroe WD. **Acarologia** 16(4):651–63, Apr 75
The effect of mean winter temperature around 0 degrees C on the population size of the American dog tick, Dermacentor variabilis, Say. (Acarina: Ixodidae). McEnroe WD. **Acarologia** 17(2):208–19, Oct 75
Ion and water balance in the feeding lone star tick. Hsu MH, et al. **Comp Biochem Physiol [A]** 52(2):269–76, 1 Oct 75
Formamidine acaricides: toxicologic[illegible] studies with the cattle tick. Knowles CO. **Environ Qual S[illegible] [Suppl]** 3:401–5, 1975 (10 ref.)
Resistance in Boophilus microplus to cholinesterase inhibition and alterations in the site of action. Roulston WJ, et al. **Environ Qual Saf [Suppl]** 3:416–20, 1975
The subgenus persicargas (Ixodoidea: Argasidae: Argas). 25. Effect of temperature on diapause termination in female A. (P.) arboreus Kaiser, Hoogstraal and Kohls. Khalil GM, et al. **Exp Parasitol** 39(3):431–7, Jun 76
The role of hosts and environmental factors in the natural dissemination of ticks: studies on a Swiss population of Ixodes ricinus (Linne, 1758). p. 121. Aeschlimann A, et al.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.
A technique for the continuous recording of tick feeding electrograms and temperature by telemetry from free–ranging cattle. Sweatman GK, et al.
Int J Parasitol 6(4):299–305, Aug 76
The influence of various factors on fluid secretion by in vitro salivary glands of ixodid Ticks. Kaufman W.
J Exp Biol 64(3):727–42, Jun 76
Expanding abdominal cuticle in the bug Rhodnius and the tick Boophilus. Hackman RH. **J Insect Physiol** 21(9):1613–23, Sep 75
Control of fluid secretion by isolated salivary glands of the lone star tick. Needham GR, et al. **J Insect Physiol** 21(12):1893–8, Dec 75
Limb regeneration and apolysis in the tick, Ornithodoros tartakovskyi. Rockett CL. **J Insect Physiol** 21(12):1939–44, Dec 75
Regulation of the circadian rhythm of detachment of engorged larvae and nymphs of the argasid kangaroo tick, Ornithodoros gurneyi. Doube BM. **J Med Entomol** 12(1):15–22, 30 Apr 75
The biology of the kangaroo tick, Ornithodoros (Pavlovskyella) gurneyi Warburton (Acarina: Argasidae), in the laboratory. Doube BM. **J Med Entomol** 12(2):240–3, 30 Jun 75
Influence of the daily light cycle on the behavior of Argas cooleyi (Acarina: Argasidae). Howell FG.
J Med Entomol 13(1):99–106, 29 May 76
The subgenus Persicargas (Ixodoidea: Argasidae: Argas). 21. The effect of some factors in the process of mating on egg development and oviposition in A. (P.) arboreus Kaiser, Hoogstraal & Kohls. Khalil GM, et al. **J Med Entomol** 12(1):47–51, 30 Apr 75
The effect of host species on the engorgement, molting success, and molted weight of the Gulf Coast tick, Amblyomma maculatum Koch (Acarina: Ixodidae). Koch HG, et al. **J Med Entomol** 12(2):213–9, 30 Jun 75
An assembly pheromone and its perception in the tick Ornithodoros moubata (Murray) (Acari: Argasidae). Leahy MG, et al. **J Med Entomol** 12(3):284–7, 25 Sep 75
Lack of specificity in assembly pheromones of soft ticks (Acari: Argasidae). Leahy MG, et al. **J Med Entomol** 12(4):413–4, 31 Oct 75
Ecological observations on Dermacentor albipictus (Packard) in eastern Oklahoma (Acarina: Ixodidae). Patrick CD, et al. **J Med Entomol** 12(3):393–4, 25 Sep 75
The ecology and behavior of the lone star tick (Acarina: Ixodidae). VII. Pre– and post–molt behavior of engorged nymphs and larvae. Robertson AS, et al.
J Med Entomol 12(5):530–4, 30 Dec 75
The ecology and behavior of the lone star tick (Acarina: Ixodidae). VI. Response of unfed adults to certain environmental parameters. Robertson AS, et al.
J Med Entomol 12(5):525–9, 30 Dec 75
Contributions to the ecology of Colorado tick fever virus. 2. Population dynamics and host utilization of immature stages of the Rocky Mountain wood tick, Dermacentor andersoni. Sonenshine DE, et al. **J Med Entomol** 12(6):651–6, 20 Feb 76
A new observation on spermateleosis in ticks. Borut S, et al. **J Parasitol** 62(2):318–20, Apr 76
Aggregation response of nymphs to pheromone(s) produced by males of the tick Amblyomma hebraeum (Koch). Rechav Y, et al. **Nature** 259(5544):563–4, 19 Feb 76
The feeding behaviour of larvae, nymphs and adults of Rhipicephalus appendiculatus. Tukahirwa EM.
Parasitology 72(1):65–74, Feb 76
[Ecology and ethology of Ixodes ricinus L. in Switzerland (Ixodoidea: Ixodidae). III: copulation, nutrition and oviposition] Graf JF. **Acarologia** 16(4):636–42, Apr 75 (Eng. Abstr.) (Fre)
[Ecology and ethology of Ixodes ricinus L. in Switzerland (Ixodoidea: Ixodidae). 5. Demonstration of a sexual pheromone in Ixodes ricinus] Graf JF. **Acarologia** 17(3):436–41, Feb 76 (Eng. Abstr.) (Fre)
[Ecology and ethology of Ixodes ricinus L. in Switzerland. II. comparison of the populations 1972 and 1973] Mermod C, et al. **Acarologia** 16(4):612–20, Apr 75 (Eng. Abstr.) (Fre)
[Ecological study of Ixodes ricinus (Linné, 1758) (Acarina, Ixodoides) in southeastern France] Gilot B, et al.
Acta Trop (Basel) 32(3):232–58, 1975 (Eng. Abstr.) (Fre)
[Vegetation analysis used for the detection of exophile tick populations in the south–east of France: the example Ixodes ricinus (Linne 1758) (acarina, ixodoidea)] Gilot B, et al. **Acta Trop (Basel)** 32(4):340–7, 1975 (Eng. Abstr.) (Fre)
[Characteristics of the larval nutrition and development of Ixodes kazakstani Ol. et Sor. (Parasitiformes, Ixodidae)] Babenko LV, et al. **Med Parazitol (Mosk)** 45(3):331–7, May–Jun 76 (Eng. Abstr.) (Rus)
[Biology of the tick, Ixodes kazakstani Olen et Sor., No. 1934. II. The nutrition and development of the ticks in nature] Liashko GL. **Med Parazitol (Mosk)** 45(3):337–40, May–Jun 76 (Eng. Abstr.) (Rus)
[Sublethal action and aftereffect of DDT on Dermacentor silvarum 01. (Acarina, Ixodidae)] Uspenskii IV, et al.
Parazitologiia 10(3):210–5, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Life cycle of Ixodes lividus Koch under the conditions in Leningrad Province] Zolotov PE, et al. **Parazitologiia** 10(4):376–8, Jul–Aug 76 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Effects of 60Co irradiation on unfed adults and engorged females of the tick Hyalomma anatolicum. Srivastava PS, et al. **Int J Radiat Biol** 29(3):241–8, Mar 76

ULTRASTRUCTURE

Scanning electron microscopy of the ticks Ixodes laguri and Ixodes arboricola: surface structures of Haller's organ. Honzáková E, et al. **Folia Parasitol (Praha)** 22(3):241–3, 1975
The subgenus Persicargas (Ixodoidea: Argasidae: Argas). 23. Fine structure of the salivary glands of unfed A. (P.) Arboreus Kaiser, Hoogstraal, and Kohls. Roshdy MA, et al. **J Parasitol** 61(4):743–52, Aug 75
Scanning electron microscopy of ticks for systematic studies: fine structure of Haller's organ in ten species of Ixodes. Homsher PJ, et al. **Trans Am Microsc Soc** 94(3):368–74, Jul 75
[Ultrafine structure of the integument of the tick Hyalomma asiaticum P. Sch. et E. Schl. in starvation and feeding] Amosova LI. **Parazitologiia** 9(5):412–8, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Electron microscopic study of the excretory system of the hungry female tick Hyalomma asiaticum P. Sch. et E. Schl. Report II] Balashov IS, et al. **Parazitologiia** 9(3):252–9, May–Jun 75 (Eng. Abstr.) (Rus)
[Ultrastructure of the epithelium of the midgut in nymphs of Hyalomma asiaticum (Acarina, Ixodidae) ticks during feeding] Balashov IuS, et al. **Parazitologiia** 10(3):201–9, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Electron microscopic study of intracellular digestion in intestinal cells of the ixodid tick Hyalomma asiaticum. I. Formation of primary and secondary lysosomes] Raikhel' AS. **Tsitologiia** 17(7):748–53, Jul 75 (Eng. Abstr.) (Rus)

TIDAL VOLUME see under **LUNG VOLUME MEASUREMENTS**

TIETZE'S SYNDROME

COMPLICATIONS

[Repeated development of Tietze's syndrome] Fedorets IP. **Klin Med (Mosk)** 52(3):137–8, Mar 74 (Rus)

DIAGNOSIS

Costosternal syndrome: its frequency and importance in differential diagnosis of coronary heart disease. Wolf E, et al. **Arch Intern Med** 136(2):189–91, Feb 76

ETIOLOGY

[Role of microtrauma in pathogenesis of Tietze's syndrome] Pratsko VG. **Vestn Khir** 114(1):74–5, Jan 75 (Rus)

TIGAN see **TRIMETHOBENZAMIDE**

TIGOGENIN see under **SPIROSTANS**

TILETAMINE see under **CYCLOHEXANES**

TILIDINE see under **CYCLOHEXANECARBOXYLIC ACIDS**

TILORONE see under **FLUORENES**

TIME

Effects of time stress and stimulus–response set size on the efficiency of detection of involvement with suppressed information through the use of the forced number–guessing technique. Lieblich I, et al. **Acta Psychol (Amst)** 40(1):75–84, Feb 76
Evolution of alpha–fetoprotein serum levels throughout life in humans and rats, and during pregnancy in the rat. Masseyeff R, et al. **Ann NY Acad Sci** 259:17–28, 22 Aug 75
Radiocarbon ages of ground water as a basis for the determination of safe limits of aquifer exploitation. Tamers MA, et al. **Environ Res** 9(3):250–64, Jun 75
Historical development of the concept of time. pp. 3–22. Alkon PK.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.
The effects of flying and of time changes on menstrual cycle length and on performance in airline stewardesses. pp. 501–12. Preston FS, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.
Adaptation of circadian rhythms in urinary excretions to local time, after rapid air travel. pp. 555–9. Gerritzen F, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.
A provisional contribution to the psychoanalytical study of time: a reply to the discussion by Jerome Kavka. Dupont MA. **Int J Psychoanal** 56(3):367–9, Aug 75
Parkinson's Law in psychotherapy. Appelkaum SA.
Int J Psychoanal Psychother 4:426–36, 1975
Stability of multi–pool models with lags. Mazanov A.
J Theor Biol 59(2):429–42, 7 Jul 76
A sequential timing device. Windell EJ, et al.
Res Q Am Assoc Health Phys Educ 46(3):391, Oct 75
[Behavior of the human organism in time zone flights. 2. Sequelae of desynchronization] Klein KE, et al.
Fortschr Med 93(30):1497–502, 23 Oct 75 (Eng. Abstr.) (Ger)
[Time problem in Freud's psychoanalysis] Revers WJ.
Z Klin Psychol Psychother 23(3):214–23, 1975 (Eng. Abstr.) (Ger)
[Dealing with time in psychoanalysis] Bartosch E.
Z Psychosom Med Psychoanal 22(3):209–23, Jul–Sep 76 (Eng. Abstr.) (Ger)
[The role of trace excitatory processes in the formation of conditioned reflexes to time] Atnagulov RIa, et al.
Zh Vyssh Nerv Deiat 26(1):87–93, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Analysis of the formation of systems of conditioned reflexes to time in rabbits] Smirnov DI. **Zh Vyssh Nerv Deiat** 25(3):511–9, May–June 75 (Eng. Abstr.) (Rus)

TIME AND MOTION STUDIES see under **TASK PERFORMANCE AND ANALYSIS**

TIME FACTORS see under **TIME**

TIME PERCEPTION

An inquiry into the process of temporal orientation. Koriat A, et al. **Acta Psychol (Amst)** 40(1):57–73, Feb 76
Detection of one–, two–, and three–dimensional Markov constraints in visual displays II: Multistate displays. Pollack I. **Acta Psychol (Amst)** 39(4):251–62, Aug 75
Time estimates in a long–term time–free environment. Lavie P, et al. **Am J Psychol** 88(2):177–86, Jun 75
Temporal orientation in patients with brain disease. Levin HS, et al. **Appl Neurophysiol** 38(1):56–60, 1975
Perception of rhythmic sequences by receptive aphasic and deaf children. Kracke I. **Br J Disord Commun** 10(1):43–51, Apr 75
The dependence of time–order error direction on stimulus range. Jamieson DG, et al. **Can J Psychol** 29(3):175–82,

Sep 75
Transparency and the suicide potential: a reply to the discussion by Olivier Flournoy. Roth D.
Int J Psychoanal 56(2):255–7, 1975
The effects of duration, frequency, and loudness upon the reproduction of temporal intervals. Deal LV, et al.
J Am Audiol Soc 1(2):79–82, Sep–Oct 75
Aging and the relativity of time. Webster IW.
J Am Geriatr Soc 24(7):314–6, Jul 76
Time and affect in psychopathology. Hartocollis P.
J Am Psychoanal Assoc 23(2):383–95, 1975
On the experience of time and its dynamics, with special reference to affects. Hartocollis P.
J Am Psychoanal Assoc 24(2):363–75, 1976
On the experience of time and its dynamics, with special reference to affects. Discussion. Orgel S.
J Am Psychoanal Assoc 24(2):377–82, 1976
Alterations in future time perspective in heroin addicts. Henik W, et al. **J Clin Psychol** 31(3):557–64, Jul 75
Stimulus familiarity modifies perceived duration in prerecognition visual processing. Avant LL, et al.
J Exp Psychol [Hum Percept] 1(3):205–13, Aug 75
On the relation between time and space in the visual discrimination of velocity. Lappin JS, et al.
J Exp Psychol [Hum Percept] 1(4):383–94, Nov 75
Motivational effects of hunger on time estimation and delay of gratification in obese and nonobese boys. Sigal JJ, et al. **J Genet Psychol** 128(First Half):7–16, Mar 76
Temporal relatedness: personality and behavioral correlates. Getsinger SH. **J Pers Assess** 39(4):405–8, Aug 75
Sociopathy, self-actualization, and time. Getsinger SH.
J Pers Assess 40(4):398–402, Aug 76
Time experiences, self-actualizing values, and creativity. Yonge GD. **J Pers Assess** 39(6):601–6, Dec 75
Causes and consequences of time perception differences in overweight and normal weight people. Rodin J.
J Pers Soc Psychol 31(5):898–904, May 75
Slope of gradients for performance as a function of achievement motive, goal distance in time, and future time orientation. Gjesme T. **J Psychol** 91(First Half):143–60, Sep 75
Movement tempo and the experience of time. Newman MA.
Nurs Res 25(4):273–9, Jul–Aug 76
Temporal information processing and psychopathology. Crain P, et al. **Percept Mot Skills** 41(1):219–24, Aug 75
Future-time gradients for performance in test anxious individuals. Gjesme T. **Percept Mot Skills** 42(1):235–42, Feb 76
Signal pulse-rate and judged duration. Goldstone S, et al.
Percept Mot Skills 42(2):655–61, Apr 76
Time perception: effects of introversion/extraversion and task interest. Gray CT, et al. **Percept Mot Skills** 41(3):703–8, Dec 75
Subjective acceleration of time with aging. Lemlich R.
Percept Mot Skills 41(1):235–8, Aug 75
Effect of a mid-series anchor on absolute judgments of duration by schizophrenics, neurologically impaired, and normals. Locke SA. **Percept Mot Skills** 40(2):671–7, Apr 75
Human sex differences in extreme isolation. McClure G, et al. **Percept Mot Skills** 40(2):387–91, Apr 75
Information processing and estimation of short time intervals. Wilsoncroft WE, et al. **Percept Mot Skills** 41(1):192–4, Aug 75
Time and Schizophrenia. Seeman MV. **Psychiatry** 39(2):189–95, May 76
Time an inhibition in the adaptation of patients with colostomies. Orbach CE. **Psychoanal Rev** 62(4):663–73, Winter 75–76
[Orthophony test. Spatial and temporal orientation] Dubois G. **Rev Laryngol Otol Rhinol (Bord)** 96(7–8):361–72, Jul–Aug 75 (Eng. Abstr.) **(Fre)**
[Estimation of time in patients with Parkinson's disease. Instrumental study] Casacchia M, et al.
Boll Soc Ital Biol Sper 51(7):430–5, 15 Apr 75 **(Ita)**
[Formation of conditioned reflex systems to time in lower simians] Smirnov DI. **Zh Vyssh Nerv Deiat** 26(1):36–42, Jan–Feb 76 **(Rus)**

DRUG EFFECTS

Effects of fructose-1,6-diphosphate administration on learning efficiency and time sense of the honey bee, Apis mellifica carnica. Beckmann HE, et al. **Brain Res** 114(3):461–70, 24 Sep 76
Changing time perception with antidepressant drug therapy. Edelstein E. **Psychiatr Clin (Basel)** 7(6):375–82, 1974

PHYSIOLOGY

Time-discrimination performance in cats with lesions in prefrontal cortex and caudate nucleus. Rosenkilde CE, et al. **J Comp Physiol Psychol** 90(4):343–52, Apr 76
Slow cortical potential shifts recorded in cats performing a time estimation task: preliminary results. Macar F, et al.
Neuropsychologia 14(3):353–61, 1976
Orienting responses as a function of age and task complexity. Greene RL. **Percept Mot Skills** 42(2):543–53, Apr 76
Subjective duration and psychophysics. Eisler H.
Psychol Rev 82(6):429–50, Nov 75
Effects of lowered temperature on time estimation. Bell CR.
Q J Exp Psychol 27(4):531–8, Nov 75
[The mechanism of temporal connections in the neuronally isolated cortex] Zakreshev EG, et al. **Fiziol Zh SSSR** 61(8):1142–5, Aug 75 (Eng. Abstr.) **(Rus)**
[Effect of the character of the work activities on indices of the time sense] Gambashidze GM. **Gig Tr Prof Zabol** (4):1–5, Apr 76 (Eng. Abstr.) **(Rus)**
[Temporal changes in conscious and unconscious trace phenomena in six to seven-year-old children] Fedotchev AI. **Zh Vyssh Nerv Deiat** 25(6):1251–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Discrimination of time intervals during elaboration of conditioned reflexes in preschool children] Kabanov AN, et al. **Zh Vyssh Nerv Deiat** 25(3):610–1, May–June 75 **(Rus)**
[Conditioned responses to time of hypothalamic neurons. The ventromedial nucleus] Mednikova IuS, et al.
Zh Vyssh Nerv Deiat 26(2):349–57, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[The effect of removal of the frontal region of the brain on conditioned reflexes to time and available stimuli] Mering TA, et al. **Zh Vyssh Nerv Deiat** 25(6):1196–1202, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

TIMED VITAL CAPACITY see **FORCED EXPIRATORY VOLUME**

TIN

Direct observation of continuous gamma2-networks in Ag3Sn amalgams. Reynolds CL, et al.
Biomater Med Devices Artif Organs 3(3):305–7, 1975
The role of trace elements in human nutrition and metabolism. pp. 156–77. Tuman RW, et al.
In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (59 ref.)
Importance of gold in Ag3Sn amalgam. Malhotra ML.
J Biomed Mater Res 9(5):543–5, Sep 75
Microstructure in gold-containing Ag3Sn-amalgam. Malhotra ML. **J Biomed Mater Res** 10(1):9–23, Jan 76
Amalgamation reaction on mercury-plated dental alloy (Ag3Sn). Okabe T, et al. **J Biomed Mater Res** 9(2):221–36, Mar 75
Growth kinetics of gamma 2 crystals on mercury-plated Ag3Sn. Okabe T, et al. **J Biomed Mater Res** 9(5):389–98, Sep 75
Thermodynamic considerations of the setting reaction in Ag3Sn amalgams. Reynolds CL Jr, et al.
J Biomed Mater Res 9(2):213–9, Mar 75 (15 ref.)
Tin-nickel-plated aluminium bronze dentures. Murray CG.
J Dent 3(5):225–8, Sep 75
Effect of varying amounts of gold in Ag3Sn-amalgam. Malhotra ML. **J Dent Res** 54(5):1099, Sep–Oct 75
Solubilization of interfering tin precipitate in bacterial growth media. Walter RG, et al. **J Dent Res** 55(2):311, Mar–Apr 76
Long-term mortality study of steelworkers. IX. Mortality patterns among sheet and tin mill workers. Mazumdar S, et al. **J Occup Med** 17(12):751–5, Dec 75
A general synthesis of N-glycosides. 6. On the mechanism of the stannic chloride catalyzed silyl Hilbert-Johnson reaction. Niedballa U, et al. **J Org Chem** 41(12):2084–6, 11 Jun 76

ANALYSIS

Metallocytochromes c: characterization of electronic absorption and emission spectra of Sn4+ and Zn2+ cytochromes c. Vanderkooi JM, et al. **Eur J Biochem** 64(2):381–7, 1 May 76
Auger analysis of surface films on Ag3Sn. Grenga HE, et al. **J Biomed Mater Res** 9(2):207–11, Mar 75
Identification of Au-Sn phase in Ag3Sn alloys containing gold. Malhotra ML, et al. **J Biomed Mater Res** 9(2):197–205, Mar 75
[Determination of tin in food products using pyrocatechol violet] Velev S, et al. **Vet Med Nauki** 13(2):72–7, 1976 (Eng. Abstr.) **(Bul)**
[Hygienic substantiation of the maximum permissible concentration of tin tributylmetacrylate in water bodies] Tsai VN. **Gig Sanit** (4):42–5, Apr 75 (Eng. Abstr.) **(Rus)**
[Extractive and photometric determination of tin and morin in biological material] Krylova AN. **Sud Med Ekspert** 18(4):48–51, Oct–Dec 75 **(Rus)**

DIAGNOSTIC USE

A new stannous agent kit for labelling red blood cells with 99TCM and its clinical application. Ducassou D, et al.
Br J Radiol 49(580):344–7, Apr 76
Extra-osseous localization of 99Tcm-Sn pyrophosphate. Poulose KP, et al. **Br J Radiol** 48(573):724–6, Sep 75
Technetium 99m stannous pyrophosphate myocardial imaging in patients with and without left ventricular aneurysm. Ahmad M, et al. **Circulation** 53(5):833–8, May 76
Morphologic correlates of technetium-99m stannous pyrophosphate imaging of acute myocardial infarcts in dogs. Buja LM, et al. **Circulation** 52(4):596–607, Oct 75
Technetium 99m stannous glucoheptonate for renal imaging and evaluating individual renal function. Corriere JN Jr, et al. **Surg Forum** 26:582–4, 1975
Technetium stannous pyrophosphate myocardial scintigraphy for diagnosing and localizing acute myocardial infarcts. Willerson JT, et al. **Tex Med** 72(2):61–6, Feb 76

METABOLISM

Effect of prior acid etch on rate of Sn3F3PO4 formation subsequent to topical application of SnF2. Nordquist WD, et al. **J Dent Res** 54(6):1154–60, Nov–Dec 75
Chemistry of technetium radiopharmaceuticals. I. Exploration of the tissue distribution and oxidation state consequences of technetium (IV) in Tc-Sn-gluconate and Tc-Sn-EHDP using carrier 99Tc. Hambright P, et al.
J Nucl Med 16(6):478–82, Jun 75
Tin-protein binding kinetics in normal and uremic plasma and its effect on dialysis fluxes. Maher JF, et al.
Trans Am Soc Artif Intern Organs 22:149–54, 1976
[The distribution of Sn2+ after application as a complex (author's transl)] Grimm W, et al.
Fortschr Geb Roentgenstr Nuklearmed 123(4):318–20, Oct 75 (Eng. Abstr.) **(Ger)**
[Concentration of 99mTc-tin-phosphate complexes in soft tissues] Büll U, et al. **Nucl Med (Stuttg)** 14(2):91–105, 30 June 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Fast densensitization of tooth roots by topically applied SnF2 and SrCl2 in dogs. Penny DA, et al. **Arch Oral Biol** 21(6):339–47, 1976
Microhardness and densitometric measurements of the effect of 4% SnF2 solution on artificial white spot lesions. Purdell-Lewis DJ, et al. **Caries Res** 10(3):216–26, 1976
The effect of NaF and SnF2 mouthrinses on bacterial colonization of tooth enamel: TEM and SEM studies. Tinanoff N, et al. **Caries Res** 10(6):415–26, 1976
Action of stannous and stannic chlorides on bacteria. Aickin RM, et al. **Experientia** 32(8):1040–1, 15 Aug 76
Accumulation of calcium in kidney and decrease of calcium in serum of rats treated with tin chloride. Yamamoto T, et al. **J Toxicol Environ Health** 1(5):749–56, May 76
Tin: a potent inducer of heme oxygenase in kidney. Kappas A, et al. **Science** 192(4234):60–2, 2 Apr 76
Decreased gastric secretion in rats treated with stannous chloride. Yamaguchi M, et al. **Toxicol Appl Pharmacol** 36(1):199–200, Apr 76
[Tin-organic compounds and their biocidal properties] Erikhleb M, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):123–5, Apr 75 (Eng. Abstr.) **(Rus)**

POISONING

[Inhibition of vitamin D3 action on serum calcium concentration in rats treated with stannous chloride (author's transl)] Yamaguchi M, et al. **Jpn J Hyg** 30(5):536–42, Dec 75 (Eng. Abstr.) **(Jpn)**

TOXICITY

Toxicity of sodium pentafluorostannite, a new anticariogenic agent. I. Comparison of the acute toxicity of sodium pentafluorostannite, sodium fluoride, and stannous chloride in mice and/or rats. Conine DL, et al.
Toxicol Appl Pharmacol 33(1):21–6, Jul 75
Toxicity of sodium pentafluorostannite. A new anticariogenic agent. III. 30-Day toxicity study in rats. Conine DL, et al. **Toxicol Appl Pharmacol** 35(1):21–8, Jan 76
[Effect of lead on revelation of calcium metabolic disturbance in rats treated with stannous chloride (author's transl)] Yamaguchi M, et al. **Jpn J Hyg** 30(6):615–8, Feb 76 (Eng. Abstr.) **(Jpn)**
[Comparative evaluation of the toxic and mutagenic properties of organic tin compounds] Beliaeva NN, et al.
Gig Sanit (5):10–4, May 76 (Eng. Abstr.) **(Rus)**

TINEA

[Critical study of some classical ideas concerning tineas] Vanbreuseghem R. **Bull Acad R Med Belg** 128(4):309–30, Apr 73 (Eng. Abstr.) **(Fre)**
[Histopathological study on the course of a dermatophytic disease] Destombes P, et al. **Bull Soc Pathol Exot** 68(5):443–9, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Facial manifestations of suppurative trichophytosis] Billet J, et al. **Rev Stomatol Chir Maxillofac** 76(6):469–75, Sep 75 (Eng. Abstr.) **(Fre)**
[Trichophyton erythema nodosum] Velasco JA, et al.
Actas Dermosifiliogr 66(9–10):493–6, Sep–Oct 75 **(Spa)**
[Tinea nigra. Report of 16 cases] Muvdi F.
Med Cutan Iber Lat Am 2(4):285–90, 1974 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Extensive rubrophytia with consecutive reticulosis] Szodoray L. **Dermatol Monatsschr** 162(2):129–30, Feb 76 **(Ger)**
[Dermatophilus congolensis and Trichophyton rubrum found in the same lesion] Ramos CD, et al.
Med Cutan Iber Lat Am 2(3):193–5, 1974 (Eng. Abstr.) **(Por)**
[Neural and vascular system functional disorders in epidermophytosis patients] Loĭko EV. **Voen Med Zh** (8):43–4, Aug 75 **(Rus)**

DIAGNOSIS

[Atypical trichophytiasis resembling chronic lupus erythematosus] Ruszczak Z, et al. **Przegl Dermatol** 63(3):349–52, May–Jun 76 (Eng. Abstr.) **(Pol)**
[Clinical peculiarities of mycoses caused by Epidermophyton

floccosum] Ivashkevich GA. **Vestn Dermatol Venerol** (9):79–83, Sep 75 **(Rus)**

[Deep forms of mycosis caused by Trichophyton rubrum] Rukavishnikova VM, et al. **Vestn Dermatol Venerol** (2):85–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Rubramycosis of the face simulating acne rosacea and lupus erythematosus] Sheklakov ND, et al. **Vestn Dermatol Venerol** (11):79–80, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Ciclopirox: a new topical pyrodonium antimycotic agent. A double-blind study in superficial dermatomycoses. Sehgal VN. **Br J Dermatol** 95(1):83–8, Jul 76

Griseofulvin: a new formulation and some old concerns. **Med Lett Drugs Ther** 18(4):17–8, 13 Feb 76

A double-blind comparison of clotrimazole and tolnaftate therapy of superficial dermatophytoses. Male O. **Postgrad Med J** 50 Suppl 1:75–6, Jul 74

[Further experiences with natamycin (pimaricin) ointment in the treatment of tinea barbae] Michalowski R. **Mykosen** 18(5):233–7, May 75 (Eng. Abstr.) **(Ger)**

[Comparative effectiveness of different methods of treatment of trichophytosis caused by zoophilic Trichophyton] Fel'ker AIa, et al. **Vestn Dermatol Venerol** (6):71–3, Jun 75 **(Rus)**

[Treatment of microsporosis with griseofulvin on an intermittent schedule] Gafurov KhKh. **Vestn Dermatol Venerol** (6):73–5, Jun 75 **(Rus)**

[Monilial onychomycosis developed in the process of treatment of rubromycosis with griseofulvin] Rukavishnikova VM. **Vestn Dermatol Venerol** (7):80–2, Jul 75 **(Rus)**

ETIOLOGY

[Superficial trichophytosis caused by Trichophyton verrucosum Bodin 1902 under plaster of paris] Kolibášová K, et al. **Cesk Dermatol** 51(1):13–4, Feb 76 **(Slo)**

IMMUNOLOGY

A study of the immunological status of patients with dermatophytoses. Abraham S, et al. **Dermatologica** 151(5):281–7, 1975

[The experimental secondary and reinfection of guinea pig trichophytosis] Georgopoulos A. **Dermatol Monatsschr** 162(2):182–3, Feb 76 **(Ger)**

[Role of basophilic leukocytes in allergic reactions in trichophytosis of the feet caused by T. rubrum] Fedotov VP. **Vestn Dermatol Venerol** (11):26–31, Nov 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of Trichophyton soudanense from a further five patients in Australia. Frey D. **Australas J Dermatol** 17(1):10, Apr 76

The areal extent of dermatophyte infection. Knudsen EA. **Br J Dermatol** 92(4):413–6, Apr 75

Tinea cruris: diagnostic confusion due to isolation of Candida albicans alone. Kane J, et al. **Can Med Assoc J** 114(9):797–8, 8 May 76

Quantitative assay of dermatophyte-infected guinea pig skin scales. Sinski JT, et al. **J Clin Microbiol** 1(2):150–3, Feb 75

Mycological study of 768 cases of dermatomycosis. Wagle UD, et al. **J Postgrad Med** 21(3):107–10, Jul 75

Letter: Tinea capitis--a warning. Collins AG. **Med J Aust** 2(11):451–2, 13 Sep 75

Microsporum nanum infection in South Australia. Turner TW, et al. **Med J Aust** 1(20):743–4, 15 May 76

Animal ringworm in upper Egypt. Abou-Gabal M, et al. **Sabouraudia** 14(1):33–6, Mar 76

Trichophyton simii infection. Kamalam A, et al. **Trans St Johns Hosp Dermatol Soc** 60(1):73–6, 1974

[Zoonoses in veterinary practice. 3. Chlamydial, rickettsial and fungal infections] Krauss H, et al. **Tieraerztl Prax** 3(4):387–93, 1975 **(Ger)**

[Lympho-hematogenic dissemination of pathogenic fungi in the body] Leshchenko VM, et al. **Sov Med** (6):145, Jun 75 **(Rus)**

[Majocchi's granuloma of the beard caused by Trichophyton rubrum] Conti-Diaz IA, et al. **Med Cutan Iber Lat Am** 2(6):433–6, 1974 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Trichophyton violaceum infection in an Indian school. Kamalam A, et al. **Int J Dermatol** 15(2):136–9, Mar 76

An epidemiological, clinical, and mycological study of human ringworm due to Trichophyton verrucosum in Japan. Takahashi S, et al. **J Dermatol (Tokyo)** 2(1):31–43, Mar 75

[Mycological survey in the Banks Island (New Hebrides)] Dompmartin D, et al. **Bull Soc Pathol Exot** 68(6):553–7, Nov-Dec 75 **(Fre)**

[Tinea morbidity in sea and land units of the federal army] Heber W, et al. **Mykosen** 18(10):435–42, Oct 75 **(Ger)**

[Tinea imbricata in the mountains of Puebla, Mexico] Velasco-Castrejón O, et al. **Rev Invest Salud Publica** 35(2):109–16, Apr-Jun 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Multiple subcutaneous Trichophyton rubrum abscesses. Pathomorphosis of a generalized superficial tinea due to impaired immunological resistance] Meinhof W, et al. **Hautarzt** 27(7):318–27, Jul 76 (Eng. Abstr.) **(Ger)**

[Tissue inflammatory reaction in trichophytosis caused by zoophilic fungi] Chistiakova EV, et al. **Vestn Dermatol Venerol** (3):80–3, Mar 76 **(Rus)**

[Ultrastructural cytopathology of the mycotic process caused by Trichophyton rubrum in the dynamics] Shetsiruli LT, et al. **Vestn Dermatol Venerol** (6):13–7, Jun 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Fatal evolution of a dermatophytic disease due to Trichophyton schönleini] Marill FG, et al. **Bull Soc Pathol Exot** 68(5):450–6, Sep-Oct 75 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Topically applied griseofulvin in prevention and treatment of Trichophyton mentagrophytes. Epstein WL, et al. **Arch Dermatol** 111(10):1293–7, Oct 75

TRANSMISSION

[Suppurative trichophytosis of animal origin. Apropos of 38 recent cases] Barriere H, et al. **Sem Hop Paris** 51(8):539–48, 14 Feb 75 (Eng. Abstr.) **(Fre)**

[Occurrence of keratinophilic fungi on inanimate organic material in the surroundings of calves infected by Trichophyton verrucosum] Klobušický M, et al. **Mykosen** 19(4):124–7, Apr 76 (Eng. Abstr.) **(Ger)**

VETERINARY

Equine ringworm by Trichophyton verrucosum. Ichijo S, et al. **Jpn J Vet Sci** 37(4):407–11, Aug 75

An epizootic outbreak of ringworm in a guinea-pig colony caused by Trichophyton mentagrophytes. Pombier EC, et al. **Lab Anim** 9(3):215–21, Jul 75

An outbreak of ringworm in karakul sheep caused by a physiological variant of Trichophyton verrucosum Bodin. Scott DB. **Onderstepoort J Vet Res** 42(1):49–52, Mar 75

Experimental bovine Trichophyton verrucosum infection. Comparison of the rate of epidermal cell proliferation and keratinisation in non-infected and reinoculated cattle. Lepper AW, et al. **Res Vet Sci** 20(2):117–21, Mar 76

Trichophyton infection in Antarctic sledge dogs. Bostelmann RW. **Vet Rec** 98(21):425–6, 22 May 76

Letter: Diagnosing ringworm. Wright AI, et al. **Vet Rec** 98(20):411–2, 15 May 76

An abnormal outbreak of ringworm among Sudanese calves. Abu-Samra MT, et al. **Zentralbl Veterinaermed [B]** 23(2):171–8, Mar 76

[A new therapeutic agent in a natamycin base in mass treatment of ringworm in cattle (author's transl)] Oldenkamp EP, et al. **Tijdschr Diergeneeskd** 101(4):178–86, 15 Feb 76 (Eng. Abstr.) **(Dut)**

[Occurrence of Trichophyton verrucosum infections in Egypt, with suggestions for treatment using griseofulvin] Refai M, et al. **Dtsch Tieraerztl Wochenschr** 83(2):62–4, 5 Feb 76 (Eng. Abstr.) **(Ger)**

[Trichophytosis in the guinea pig] Kunstýř I, et al. **Tieraerztl Prax** 4(1):107–14, 1976 **(Ger)**

[Dermatomycosis caused by Trichophyton mentagrophytes with genital localization in equine species] Bertoldini G, et al. **Folia Vet Lat** 5(3):507–14, Jul-Sep 75 **(Ita)**

[Epizootiologic studies of trichophytosis in cattle] Kamyszek F. **Pol Arch Weter** 18(1):63–74, 1975 (Eng. Abstr.) **(Pol)**

[Economic effectiveness of measures against trichophytosis of cattle] Vinokurov VV, et al. **Veterinariia** (12):59–62, Dec 75 **(Rus)**

TINEA CAPITIS

DRUG THERAPY

[Treatment of scalp dermatoses using a single dose of griseofulvin: trial of a reduced dose] Beghin D, et al. **Ann Soc Belg Med Trop** 54(6):477–81, 1974 (Eng. Abstr.) **(Fre)**

[Treatment of tinea capitis using a single dose of griseofulvin in Tunisian schoolchildren] De Bruycker J, et al. **Ann Soc Belg Med Trop** 54(6):463–75, 1974 (Eng. Abstr.) **(Fre)**

[Luminal as the cause of failure in the griseofulvin therapy of a male patient with microsporosis] Stepanova ZhV, et al. **Vestn Dermatol Venerol** (12):63–5, Dec 75 **(Rus)**

MICROBIOLOGY

[Tinea capitis caused by Microsporum ferrugineum. Case report] Kubec K, et al. **Cesk Dermatol** 50(5):327–30, Oct 75 (Eng. Abstr.) **(Cze)**

[Ultrastructure of M. canis in culture and in affected hair] Delektorskiĭ ND, et al. **Vestn Dermatol Venerol** (6):10–3, Jun 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Scalp ringworm among Black children in South Africa and the occurrence of Trichophyton yaoundei. Young CN. **S Afr Med J** 50(18):705–7, 24 Apr 76

RADIOTHERAPY

Follow-up study of patients treated by X-ray epilation for Tinea capitis; resurvey of post-treatment illness and mortality experience. Shore RE, et al. **Arch Environ Health** 31(1):21–8, Jan-Feb 76

TINEA FAVOSA

[Favus circinatus of so-called glabrous skin] Marill FG, et al. **Bull Soc Pathol Exot** 68(1):51–61, Jan-Feb 75 **(Fre)**

TINEA PEDIS

[Exudative manifestation of mycosis caused by Trichophyton rubrum] Sheklakov ND, et al. **Klin Med (Mosk)** 53(6):131–4, Jun 75 **(Rus)**

[Mycoses of the feet and occupational dermatoses in workers of rubber industry] Sheklakov ND, et al. **Vestn Dermatol Venerol** (10):30–5, Oct 75 **(Rus)**

DIAGNOSIS

Letter: Unusual manifestation of seborrhoeic dermatitis? Houghton-Allen BW. **Med J Aust** 1(12):414, 20 Mar 76

DRUG THERAPY

Aluminum chloride in the treatment of symptomatic athelete's foot. Leyden JJ, et al. **Arch Dermatol** 111(8):1004–10, Aug 75

Efficacy of miconazole in the topical treatment of tinea pedis in sportsmen. Gentles JC, et al. **Br J Dermatol** 93(1):79–84, Jul 75

[Treatment of interdigital mycoses using peracetic acid] Klima J, et al. **Cesk Dermatol** 50(4):246–50, Aug 75 (Eng. Abstr.) **(Cze)**

[Study of remote results of griseofulvin treatment of trichophytosis of the feet and hands] Baranov AF, et al. **Vestn Dermatol Venerol** (7):75–9, Jul 75 (Eng. Abstr.) **(Rus)**

[Use of formidron for the treatment and prevention of foot mycoses and perspiration] Zuikhin DP, et al. **Voen Med Zh** (6):76, Jun 75 **(Rus)**

[Double blind study with aerosol BAY-b-5097 (clotrimazol) in patients with tinea pedis (author's transl)] Macotela-Ruíz E, et al. **Prensa Med Mex** 40(11–12):367–71, Nov-Dec 75 **(Spa)**

[Bay B 5097 (solution) in tinea pedis] Moreno Collado C, et al. **Prensa Med Mex** 40(7–8):259–66, Jul-Aug 75 **(Spa)**

ETIOLOGY

[Role of pH of the skin surface in pathogenesis of mycoses of the feet in the lumberjacks in the North] Degtiar IuS, et al. **Vestn Dermatol Venerol** (1):46–50, Jan 74 (Eng. Abstr.) **(Rus)**

[Role of pyococcal infection in the pathogenesis of ecematous mycoses of the feet] Khodiukov EIa. **Vestn Dermatol Venerol** (6):67–70, Jun 75 **(Rus)**

IMMUNOLOGY

[Studies of mycotic allergy] Leshchenko VM, et al. **Vestn Dermatol Venerol** (10):36–40, Oct 75 (Eng. Abstr.) **(Rus)**

[Specific immunologic reactivity in mycosis caused by Trichophyton mentagrophytes (clinico-experimental study)] Pavlik LV. **Vestn Dermatol Venerol** (1):50–3, Jan 74 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The incidence and epidemiology of tinea pedis in the crew of a nuclear submarine. Catterall MD. **J R Nav Med Serv** 61(2):92–7, Summer 75

[Spectrum of pathogens in foot mycoses in military personnel] Krentel-Pludra G. **Dermatol Monatsschr** 162(7):552–6, Jul 76 (Eng. Abstr.) **(Ger)**

[Fungal lesions of feet and hands in Alma-Ata] Nemkaeva RM, et al. **Vestn Dermatol Venerol** (12):30–3, Dec 75 (Eng. Abstr.) **(Rus)**

[Onychomyosis caused by Trichopyton soudanense. 1st isolation in Venezuela] de Albornoz MB, et al. **Med Cutan Iber Lat Am** 3(1):1–5, 1975 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Mycoses of the feet as an epidemiological problem] Laskownicka Z, et al. **Przegl Epidemiol** 30(2):217–23, 1976 (Eng. Abstr.) **(Pol)**

[Experience at preventing foot mycoses among replacements] Il'in BI, et al. **Voen Med Zh** (1):73–4, Jan 76 **(Rus)**

TRANSMISSION

[Transmission of tinea pedis] Wilczyński G, et al. **Przegl Dermatol** 62(4):517–21, Jul-Aug 75 (Eng. Abstr.) **(Pol)**

TINEA UNGUIUM

DIAGNOSIS

Scopulariopsis Bainier as causative agent of onychomycoses (mycological and clinical study). Part II: Clinical study. Fragner P, et al. **Acta Univ Carol [Med] (Praha)** 20(5–6):333–58, 1974

Nails and fungi. English MP. **Br J Dermatol** 94(6):697–701,

Jun 76 (21 ref.)
Onychomycosis in a 14-month-old child. Shmunes E. **South Med J** 69(8):1097-8, Aug 76

DRUG THERAPY

Plasma concentrations of griseofulvin in healthy volunteers and out-patients treated for onychomycosis. Hägermark O, et al. **Acta Derm Venereol (Stockh)** 56(4):289-96, 1976
Clinical trial with clotrimazole cream (Bay b 5097) in dermatophytosis and onychomycosis. Mahgoub ES. **Mycopathologia** 56(3):149-52, 21 Nov 75
[Study of remote results of griseofulvin treatment of trichophytosis of the feet and hands] Baranov AF, et al. **Vestn Dermatol Venerol** (7):75-9, Jul 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Scopulariopsis Banier as causative agent of onychomycoses (mycological and clinical study). Part I: Mycological study. Fragner P, et al. **Acta Univ Carol [Med] (Praha)** 20(5-6):305-32, 1974
[Monilial onychomycosis developed in the process of treatment of rubromycosis with griseofulvin] Rukavishnikova VM. **Vestn Dermatol Venerol** (7):80-2, Jul 75 **(Rus)**

MICROBIOLOGY

Onychomycosis due to Aspergillus candidus: case report. Cornere BM, et al. **NZ Med J** 82(543):13-5, 9 Jul 75
[Tinea unguinum caused by Trichophyton tonsurans var. sulphureum] Kubec K, et al. **Cesk Dermatol** 50(6):383-5, Dec 75 (Eng. Abstr.) **(Cze)**

OCCURRENCE

[Fungal lesions of feet and hands in Alma-Ata] Nemkaeva RM, et al. **Vestn Dermatol Venerol** (12):30-3, Dec 75 (Eng. Abstr.) **(Rus)**
[Onychomycoses in the 15-year materials of the Mycological Research Laboratory in Bratislava (author's transl)] Buchvald J, et al. **Cesk Dermatol** 51(1):8-12, Feb 76 (Eng. Abstr.) **(Slo)**
[Onychomyosis caused by Trichopyton soudanense. 1st isolation in Venezuela] de Albornoz MB, et al. **Med Cutan Iber Lat Am** 3(1):1-5, 1975 (Eng. Abstr.) **(Spa)**

SURGERY

[Non-traumatic or surgical removal of the nails in onychomycosis] Kleine-Natrop HE, et al. **Vestn Dermatol Venerol** (2):81-4, Feb 74 (Eng. Abstr.) **(Rus)**

TINEA VERSICOLOR

Letter: Inverse tinea versicolor. Rudolph RI, et al. **Arch Dermatol** 111(9):1213, Sep 75

DRUG THERAPY

Tinea versicolor hypopigmentation: histochemical and therapeutic studies. El-Gothamy Z, et al. **Int J Dermatol** 14(7):510-5, Sep 75
The topical therapy of pityriasis versicolor with clotrimazole. Gip L. **Postgrad Med J** 50 Suppl 1:59-60, Jul 74

ETIOLOGY

Predisposing factors on the surface of the skin in persons with pityriasis versicolor. Gloor M, et al. **Arch Dermatol Res** 254(3):281-6, 31 Dec 75

PATHOLOGY

Hyperpigmented tinea versicolor. Allen HB, et al. **Arch Dermatol** 112(8):1110-2, Aug 76
[Papulois lymphomatoide] Pons S, et al. **Med Cutan Iber Lat Am** 3(4):303-10, 1975 (Eng. Abstr.) **(Spa)**

TINIDAZOLE see under **NITROIMIDAZOLES**

TINNITUS

[Letter: Tinnitus] Lehnhardt E. **Dtsch Med Wochenschr** 100(35):1753, 29 Aug 75 **(Ger)**

DIAGNOSIS

The otological aspects of palatal myoclonus. Lyons GD, et al. **Laryngoscope** 86(7):930-6, Jul 76
[Spontaneous remission of objective tinnitus (author's transl)] Chilla R, et al. **HNO** 23(9):291-2, Sep 75 (Eng. Abstr.) **(Ger)**
[Diagnostic and prognostic importance of the spectrum of subjective tinnitus in chronic mesotympanitis] Iashan IA, et al. **Vestn Otorinolaringol** (5):27-30, Sept-Oct 1974 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Experiences with Vertigo-Vomex retard in the treatment of vertigo and tinnitus] Wilms R. **Med Welt** 26(16):785-7, 18 Apr 75 **(Ger)**
[Electrophoresis of vasoactive substances in the therapy of subjective auricular noise in patients with otosclerosis] Avramenko LV, et al. **Zh Ushn Nos Gorl Bolezn** (2):6-9, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Ultrasonic scaling of maxillary teeth causing tinnitus and temporary hearing shifts. Möller P, et al. **J Clin Periodontol** 3(2):123-7, May 76
[An audible infarct] Rasquin P. **Acta Otorhinolaryngol Belg** 29(4):729-33, 1975 **(Fre)**
[Objective tinnitus caused by arteriovenous malformations in the region of transverse and signoid sinus (author's transl)] Stoll W, et al. **Laryngol Rhinol Otol (Stuttg)** 54(5):388-98, May 75 (Eng. Abstr.) **(Ger)**
[Etiopathogenetic considerations and therapeutic possibilities in auricular noises of vascular origin] Miloşescu P. **Rev Chir [Otorinolaringol]** 20(3):189-98, Jul-Sep 75 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

The auditory characteristics of tinnitus resulting from cerebral injury. Lackner JR. **Exp Neurol** 51(1):54-67, Apr 76

THERAPY

A practical approach to the treatment of subjective tinnitus. Michel RG, et al. **Eye Ear Nose Throat Mon** 55(3):96-8, Mar 76

TINORIDINE see under **PYRIDINES**

TIOCARLID see **THIOCARLIDE**

TIRON see under **BENZENESULFONATES**

TISSUE ADHESIVES

see related
BONE CEMENTS

Treatment of experimental oesophageal perforation. Bornemisza G, et al. **Acta Chir Acad Sci Hung** 16(3):211-7, 1975
Treatment of gastric, intestinal and hepatic injuries with collagen and adhesive. Bornemisza GY, et al. **Acta Chir Acad Sci Hung** 16(2):145-9, 1975
Cyanoacrylate tissue adhesive in osseous repair. Hunter KM. **Br J Oral Surg** 14(1):80-6, Jul 76
Transcervical fallopian tube blockage with gelatin-resorcinol-formaldehyde (GRF). pp. 208-15. Falb RD, et al.
In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.
Experience with the use of tissue adhesives in microvascular surgery. Sechas MN, et al. **J Cardiovasc Surg (Torino)** Spec No:600-4, 1973
Tissue adhesives. Silver IA. **Vet Rec** 98(20):405-6, 15 May 76
[New technic in the treatment of conduction hardness of hearing] Přívara M, et al. **Cesk Otolaryngol** 24(5):277-81, Oct 75 (Eng. Abstr.) **(Cze)**
[G.R.F. biologic glue applied to hepatectomies in rats. Action on hemostasis. Tissue tolerance] Weisgerber G, et al. **J Chir (Paris)** 108(5):485-500, Nov 74 **(Fre)**
[Improvement of the adhesive technic of split skin grafts] Lindorf HH, et al. **Fortschr Kiefer Gesichtschir** 20:85-6, 1976 **(Ger)**
[Adhesion of nerve anastomoses using coagulation substances] Matras H, et al. **Fortschr Kiefer Gesichtschir** 20:112-4, 1976 **(Ger)**
[Editorial: Tissue adhesives] Kędra H. **Polim Med** 4(4):266-70, 1974 **(Ger)**
[Nephropexy using the tissue adhesive butylcyanoacrylate] Witter H, et al. **Z Urol Nephrol** 67(9):659-65, Sep 74 **(Ger)**
[Procedure in the manufacturing of a covering foil for use in the surgical field] Bernhard J, et al. **Zentralbl Chir** 100(7):442, 1975 **(Ger)**
[Treatment of a small intestine-vaginal fistula by means of Paragalalith (tissue adhesive)] Petrich P, et al. **Zentralbl Gynaekol** 97(21):1336-40, 1975 (Eng. Abstr.) **(Ger)**
[Creation of cholecystoduodenostomy in rabbits with the aid of tissue glue] Krajka K, et al. **Pol Przegl Chir** 47(8):997-1001, Aug 75 (Eng. Abstr.) **(Pol)**
[Free omental flap and tissue glue in surgery of the digestive tract] Lukasiewicz S. **Pol Tyg Lek** 30(42):1729-32, 20 Oct 75 (Eng. Abstr.) **(Pol)**
[Use of 3M adhesive tapes in the treatment of wounds] Smolarek F, et al. **Polim Med** 5(2):123-6, 1975 (Eng. Abstr.) **(Pol)**
[Staple-adhesive closure of the bronchial stump in resection of the irradiated lung] Khodkevich BS. **Med Radiol (Mosk)** 21(3):42-5, Mar 76 (Eng. Abstr.) **(Rus)**
[Present-day problems of tissue adhesives in surgery (literature review)] Gazarian AV. **Zh Eksp Klin Med** 15(4):107-14, 1975 (91 ref.) **(Rus)**
[Adhesives and adhesive tapes in current medicine] Džanić H, et al. **Med Arh** 30(1):41-6, Jan-Feb 76 (Eng. Abstr.) **(Ser)**

ADMINISTRATION & DOSAGE

[Telescopic atomizer PT-1 for medical glue] Akimova AIa, et al. **Med Tekh** (2):49-51, Mar-Apr 75 **(Rus)**

ADVERSE EFFECTS

Letter: Danger in instant adhesives. Watts GT. **Br Med J** 2(6026):48, 3 Jul 76
Nonsuture colonic anastomosis. Gennaro AR, et al. **Dis Colon Rectum** 19(3):245-9, Apr 76

METABOLISM

[Destruction of KL-3 medical adhesive tissue in physiologically active systems and animal bodies] Lipatowa TE, et al. **Polim Med** 4(4):313-21, 1974 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Tissue reaction to polyurethane KL-3 adhesives] Kowalew MM, et al. **Polim Med** 4(4):277-83, 1974 (Eng. Abstr.) **(Rus)**

STANDARDS

[Heterologous fibrinogen for tissue adhesion. immunological and histological investigations (author's transl)] Braun F, et al. **Wien Klin Wochenschr** 87(24):815-9, 26 Dec 75 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Repair of traumatic cerebrospinal fluid leaks using tissue adhesives. Rocca A, et al. **J Neurosurg Sci** 19(3):163-5, Jul-Sep 75
Punctal occlusion with n-butyl cyanoacrylate tissue adhesive. Patten JT. **Ophthalmic Surg** 7(2):24-6, Summer 76
[Our experience with the use of Ankerplast spray in episiotomies] Karag'ozov A. **Akush Ginekol (Sofiia)** 15(1):28-33, 1976 (Eng. Abstr.) **(Bul)**
[New method for treating bronchial fistulae after lung resections: sealing with the cyanoacrylate, Sinilit B, via the endobronchial route] Dakov I, et al. **Khirurgiia (Sofiia)** 28(2):200-2, 1975 **(Bul)**
[New possibilities of application of gelatin tissue adhesive in parenchymatous organs] Lindenmaier HL, et al. **Med Welt** 27(18):856-9, 30 Apr 76 **(Ger)**
[The use of the gelatain-resocin-formaldehyde tissue adhesive (Kelemen's method) in oral surgery (preliminary report)] Borbély L, et al. **Fogorv Sz** 69(7):197-9, Jul 76 **(Hun)**
[Comparative characteristics of the endurance of different types of sutures] Gigauri VS, et al. **Eksp Khir Anesteziol** (2):35-8, Mar-Apr 76 (Eng. Abstr.) **(Rus)**
[Staple-adhesive closure of bronchial stump in resection of irradiated lung] Khodkevich BS. **Med Radiol (Mosk)** 21(3):42-5, Mar 76 (Eng. Abstr.) **(Rus)**

TOXICITY

Peritoneal reactions with some of the tubal occlusive agents. Nair RK, et al. **Indian J Exp Biol** 13(6):558-60, Nov 75

TISSUE BANKS

The role of the skin bank. Roberts, M. **Ann R Coll Surg Engl** 58(1):70-4, Jan 76
Establishment of a viable homograft cardiac valve bank: a rapid method of determining homograft viability. Watts LK, et al. **Ann Thorac Surg** 21(3):230-6, Mar 76
Letter: A national bone bank survey. Cobey MC. **Clin Orthop** (110):333-4, Jul-Aug 75
Cost-effectiveness: utilization of a sperm bank in animal breeding colonies. pp. 118-21. Seager SW.
In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.
Experiences developing a human genetic mutant cell repository. pp. 319-27. Greene AE.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.
Cryobanking of human sperm. Frankel MS. **J Med Ethics** 1(1):36-8, Apr 75
Letter: Tissue banking and transplantation. Friedlaender GE, et al. **N Engl J Med** 295(11):624-5, 9 Sep 76
The Stewart-Peters organ bank: clinical application to cadaver renal transplantation. Johnson H, et al. **Proc Clin Dial Transplant Forum** 2:89-92, 1972
Autogenous cartilage autobank in rhinology. Arvide FE. **Rhinology** 13(2):107-10, Aug 75
Editorial: 'Full service' organ banks. Karow AM, et al. **South Med J** 68(11):1324-5, Nov 75
A fresh, viable human heart valve bank: sterilization, sterility testing, and cryogenic preservation. Angell JD, et al. **Transplant Proc** 8(2 Suppl 1):139-47, Jun 76
Decision making in tissue procurement. Bright RW. **Transplant Proc** 8(2 Suppl 1):173-9, Jun 76
Personnel and equipment required for a 'complete' tissue bank. Friedlaender GE. **Transplant Proc** 8(2 Suppl 1):235-40, Jun 76
Current scope of the U.S. Navy Tissue Bank. Friedlaender GE, et al. **Transplant Proc** 8(2 Suppl 1):21-4, Jun 76
Corneal cryopreservation and its clinical application. Kaufman HE. **Transplant Proc** 8(2 Suppl 1):149-52, Jun 76
Tissue banking in Czechoslovakia. Klen R.

Transplant Proc 8(2 Suppl 1):49–51, Jun 76
Eye banking in the United States. McTigue JW. **Transplant Proc** 8(2 Suppl 1):63–5, Jun 76
University of Miami Tissue Bank: collection of postmortem tissues for clinical use and laboratory investigation. Malinin TI. **Transplant Proc** 8(2 Suppl 1):53–8, Jun 76
The role of blood banks in the development of the regional tissue-banking program. Meryman HT. **Transplant Proc** 8(2 Suppl 1):241–4, Jun 76
Licensing of tissue banks in the District of Columbia. Ostrander JE. **Transplant Proc** 8(2 Suppl 1):251, Jun 76
Tissue banking and transplantation in perspective. Sell KW. **Transplant Proc** 8(2 Suppl 1):3–5, Jun 76
Northern California Transplant Bank. Smith MF. **Transplant Proc** 8(2 Suppl 1):59–61, Jun 76
Tumor cell and tissue banking. Stevenson RE. **Transplant Proc** 8(2 Suppl 1):229–31, Jun 76
[Eye banks for the purpose of keratoscleroplasty] Eroshevskiĭ TI, et al. **Vestn Oftalmol** (4):60–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

HISTORY

Concerning the origins and prospects of cryobiology and tissue banks. Billingham RE. **Transplant Proc** 8(2 Suppl 1):7–13, Jun 76
Tissue banking in the U.S.S.R. Cohen E. **Transplant Proc** 8(2 Suppl 1):39–42, Jun 76
Tissue banking in England. Dexter F. **Transplant Proc** 8(2 Suppl 1):43–8, Jun 76
The founding of the U.S. Navy Tissue Bank. Hyatt GW. **Transplant Proc** 8(2 Suppl 1):17–20, Jun 76

STANDARDS

Standards for tissue banks and transplantation. Meyer HM Jr. **Transplant Proc** 8(2 Suppl 1):253–5, Jun 76

TISSUE COMPATIBILITY see **HISTOCOMPATIBILITY**

TISSUE CULTURE

see related
CELL LINE
CELLS, CULTURED
CLONE CELLS

Chick muscle in tissue culture: the ubiquity of viral infection. Askanas V, et al. **Acta Neuropathol (Berl)** 32(4):271–9, 1 Oct 75
Detection of West Nile complement-fixing antigen in Aedes albopictus cell cultures. Ajello C, et al. **Acta Virol (Praha)** 19(5):441–2, Sep 75
Use of duck embryo cell cultures for the study of arbovirus reproduction. Borisova SM, et al. **Acta Virol (Praha)** 19(5):432–4, Sep 75
The lipids of plant tissue cultures. Radwan SS, et al. **Adv Lipid Res** 14:171–211, 1976 (229 ref.)
Infection and replication of insect pathogenic viruses in tissue culture. Granados RR. **Adv Virus Res** 20:189–236, 1976 (153 ref.)
Tissue culture of ocular fibroblasts. Francois J. **Ann Ophthalmol** 7(12):1551–4, Dec 75
Letter: Diminished in vitro growth of epidermal epithelial cells in PSS. Parker MD, et al. **Arthritis Rheum** 19(5):969–70, Sept–Oct 76
Tissue culture in the inherited corneal dystrophies: possible applications and problems. Klintworth GK. **Birth Defects** 12(3):115–32, 1976 (129 ref.)
Letter: Implications of the osmolalities of some commonly used tissue culture media. Whitehead RH. **Br J Cancer** 33(3):347–8, Mar 76
The effect of culturing human skin allografts before transplantation. Townsend PL. **Br J Plast Surg** 28(4):283–5, Oct 75
Function of microdissected pancreatic islets cultured in a chemically defined medium. I. Insulin content and release. Buitrago A, et al. **Diabetologia** 11(6):535–40, Dec 75
Pseudomonases as contaminants of tissue cultures. Shigeta S. **Fukushima J Med Sci** 21(1–2):69–75, Mar 75
Mycoplasma in tissue culture: overview of detection methods. Low IE. **Health Lab Sci** 13(2):129–36, Apr 76
Tissue culture as a method for studying the release of fibrinolytic activators. pp. 249–53. Astedt B, et al. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**
Individualized chemotherapy of ovarian cancer by means of the tissue culture method. pp. 182–7. Limburg H. **In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.**
Experiences developing a human genetic mutant cell repository. pp. 319–27. Greene AE. **In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.**
Invited discussion: embryonic cell and tissue cultures as test systems for teratogenic agents. pp. 103–11. Moscona AA. **In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North-Holland, 1975. QS 675 M592 1974.** 1974
Studies on normal human bone marrow cultures in controlled environment thin-film culture systems. Gailani S, et al. **In Vitro** 12(5):363–72, May 76
Device for holding a variety of tissue culture vessels during microscopy. Hunziker J, et al. **In Vitro** 12(3):263–4, Mar 76
Effect of room fluorescent light on the deterioration of tissue culture medium. Wang RJ. **In Vitro** 12(1):19–22, Jan 76
Development of Amsacta moorei entomopoxvirus in ovarian and hemocyte cultures from Estigmene acrea larvae. Granados RR, et al. **Intervirology** 5(1–2):62–8, 1975
Proposal for using tissue culture for the potency test of smallpox vaccine. Santoro R, et al. **J Biol Stand** 4(2):101–5, Apr 76
Evaluation of cellular substrates for antinuclear antibody determinations. Hahon N, et al. **J Clin Microbiol** 2(1):42–5, Jul 75
Rapid conversion of Histoplasma capsulatum, Blastomyces dermatitidis and sporothrix schenckii in tissue culture. Hempel H, et al. **J Clin Microbiol** 1(5):420–4, May 75
Growth of diseased human muscle in combined cultures with normal mouse embryonic spinal cord. Witkowski JA, et al. **J Neurol Sci** 26(2):203–20, Oct 75
In vitro cultivation of adult human gingiva. II. Light and electron microscopic observations of the explants. Buchner A, et al. **J Periodont Res** 10(6):346–56, Dec 75
Diffusion in tissue cultures on gas-permeable and impermeable supports. Jensen MD, et al. **J Theor Biol** 56(2):443–58, Feb 76
An improved synthetic medium suitable for tissue culture of various mammalian cells. Takaoka T, et al. **Jpn J Exp Med** 45(1):11–7, Feb 75
Cultivation of viral agents from Crohn's disease. A new sensitive system. Gitnick GL, et al. **Lancet** 2(7979):215–7, 31 Jul 76
The comparative analysis of three batches of foetal bovine serum used in tissue culture. Bittles AH. **Med Lab Technol** 31(3):253–5, Jul 74
Studies of tumor cell lines derived from patients with malignant melanoma. Gerner RE, et al. **Oncology** 31(1):31–43, 1975
pH and the cytotoxicity of fluoride in an animal cell culture system. Helgeland K, et al. **Scand J Dent Res** 84(1):37–45, Jan 76
In vitro development of postimplantation rat embryos cultured on dialyzed rat serum. Gunberg DL. **Teratology** 14(1):65–9, Aug 76
Adaptation to tissue culture of the murine leukemia ASL1, a high producer of TL (thymus leukemia) antigen. Williams JL, et al. **Tissue Antigens** 6(5):335–41, Nov 75
Changes in the fine structure and function of a hormone-secreting adrenocortical tumour investigated in tissue culture. Szabó D, et al. **Virchows Arch [Pathol Anat]** 367(4):273–80, 18 Sep 75
Isolation and culture of aphid cells for the assay of insect-transmitted plant viruses. Adam G, et al. **Virology** 70(2):502–8, Apr 76
In vitro growth of neoplastic rat glial cells. Mennel HD, et al. **Z Krebsforsch** 84(2):193–202, 27 Oct 75
[Practical modifications of media for tissue cultures (author's transl)] Plaisner V, et al. **Cesk Epidemiol Mikrobiol Imunol** 25(1):18–23, Jan 76 (Eng. Abstr.) **(Cze)**
[Cultures of the mucosa of the small intestine] Rampal P, et al. **Arch Fr Mal App Dig** 64(2):159–69, Mar 75 (104 ref.) **(Fre)**
[Organotype culture of glandular tissue of the testis of Gabius niger L. Association with hypophysis] Bonnin PJ. **C R Soc Biol (Paris)** 169(3):548–52, 1975 (Eng. Abstr.) **(Fre)**
[Cultivation of the epithelium in burns] Klein P, et al. **Chirurg** 47(7):400–5, Jul 76 (Eng. Abstr.) **(Ger)**
[Possibilities for the production of medical substances by plant tissue cultures (author's transl)] Czygan FC. **Planta Med** Suppl:169–85, 1975 (Eng. Abstr.) **(Ger)**
[Possibilities of using tissue cultures (= cell cultures) in medicinal plant research] Reinhard E. **Planta Med** Suppl:1–4, 1975 **(Ger)**
[Cultivation of various human embryonic tissues in vivo] Ananjew VA, et al. **Z Gesamte Hyg** 21(4):329–32, Apr 75 **(Ger)**
[Maintenance and preservation of cultured tissue strains in Japan] Sato J. **Protein Nucleic Acid Enzyme (Tokyo)** 20(6):616–43, May 75 **(Jpn)**
[Cell culture as a biological test system] Holland RI. **Nor Tannlaegeforen Tid** 85(8):304–9, Sep 75 **(Nor)**
[Production of interferon or interferon-like susbstances in EB3 cultures after inoculation with human serum containing Australia antigen] Candeias JA. **Rev Saude Publica** 9(3):409–15, Sep 75 (Eng. Abstr.) **(Por)**
[Application of the neutralization index comparison method to the intratyping identification of 1 E 3 types of poliovirus using Hep-2 cell cultures] Stewien KE, et al. **Rev Saude Publica** 9(2):221–8, Jun 75 (Eng. Abstr.) **(Por)**
[The role of serum proteins in growth media for cell cultures] Voiculescu C, et al. **Rev Ig [Bacteriol]** 19(4):289–304, Jul–Sep 74 (Eng. Abstr.) **(Rum)**
[Production and characterization of some mouse embryo cellular substrates in vitro] Voiculescu C, et al. **Rev Ig [Bacteriol]** 21(2):111–20, Apr–Jun 76 (Eng. Abstr.) **(Rum)**
[Identification and differentiation of lens cells in tissue culture] Veroman SA. **Arkh Anat Gistol Embriol** 69(8):60–6, Aug 75 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the interaction between neoplastic fibroblasts and the substrate in tissue culture] Bragina EE. **Tsitologiia** 27(5):569–71, May 75 (Eng. Abstr.) **(Rus)**
[Use of casein-yeast serum agar in tissue culture for the diagnosis of gonorrhea] Bednova VN, et al. **Vestn Dermatol Venerol** (6):40–3, Jun 75 (Eng. Abstr.) **(Rus)**
[Terminology in the field of animal tissue culture] Beniumovich MS, et al. **Vopr Virusol** (3):371–6, May–Jun 75 **(Rus)**
[Use of mathematical experimental design methods for finding optimal conditions for obtaining primary cell cultures] Urbakh VIu, et al. **Vopr Virusol** (2):238–42, Mar–Apr 75 **(Rus)**
[The possibility of influenza virus reproduction in cultures of insect cells] Gorbonosova GD, et al. **Mikrobiol Zh** 37(3):383–5, May–Jun 75 (Eng. Abstr.) **(Ukr)**

INSTRUMENTATION

Effect of indomethacin on bone remodelling in rabbit ear chambers. Sudmann E. **Acta Orthop Scand [Suppl]** (160):91–115, 1975
Bone remodelling in rabbit ear chambers. A vital microscopical and histological study. Sudmann E, et al. **Acta Orthop Scand [Suppl]** (160):65–90, 1975
Mixed-image planimetry. Assessment of a new method for stereometric analysis in microscopy. Sudmann E. **Acta Orthop Scand [Suppl]** (160):45–64, 1975
A novel titanium rabbit ear chamber for vital microscopy of bone tissue. Sudmann E. **Acta Orthop Scand [Suppl]** (160):17–34, 1975
Vital microscopy of bone remodelling in rabbit ear chambers. Sudmann E. **Acta Orthop Scand [Suppl]** (160):3–115, 1975
Osteogenesis in rabbit ear chambers. Sudmann E. **Acta Orthop Scand [Suppl]** (160):35–44, 1975
Evaluation of the DYNA-Cell for production of surface-substrate dependent cells. Fox CH, et al. **Biotechnol Bioeng** 17(12):1847–52, Dec 75
Automatic gas tank switching system for CO2 incubators. Liebes LF, et al. **In Vitro** 12(3):265–8, Mar 76
Microrespirometer chamber for determinations of viability in cell and organ cultures. Gabridge MG. **J Clin Microbiol** 3(6):560–65, Jun 76
Design and construction of an apparatus for the growth of micro cell cultures on standard glass microscope slides and its application for screening large numbers of sera by the indirect fluorescent antibody technique. Lawman MJ, et al. **J Clin Microbiol** 2(3):153–6, Sep 75
An improved culture flask for photographic and visual observation of living cell cultures. Fox CH, et al. **J Microsc (Oxf)** 107(1):79–83, May 76
Modified multiple harvester for radio labelled cells or precipitates using glass fibre filters and a novel disc cutter. Taylor GA, et al. **Lab Pract** 24(8):521–3, Aug 75
An improved diffusion chamber (DC) for culture of hematopoietic cells. Carsten AL, et al. **Proc Soc Exp Biol Med** 150(1):107–9, Oct 75
[Device for culturing nerve tissue] Viktorov IV, et al. **Biull Eksp Biol Med** 80(8):119–20, Aug 75 (Eng. Abstr.) **(Rus)**
[An improved tissue homogenizer] Garbarets BA. **Lab Delo** (10):635, 1975 **(Rus)**

METHODS

Improved rapid method for electron microscopy of macro- and micro-tissue cultures. Abraham J, et al. **Biken J** 18(3):155–62, Sep 75
Tissue cultures of cirripeds. Fyhn UE, et al. **Biol Bull** 149(2):316–30, Oct 75
New suspension culture system (Mini-AR). Dynesius R, et al. **Biotechnol Bioeng** 17(10):1467–71, Oct 75
Semiautomation of chromosome preparations. Melnyk J, et al. **Birth Defects** 11(5):277–82, 1975
Improved techniques for liquid culture of human and mouse bone marrow. Cline MJ, et al. **Blood** 47(3):369–79, Mar 76
Tissue culture studies of malignant effusions. Whitehead RH, et al. **Br J Cancer** 32(4):512–8, Oct 75
Rabbit ear chamber bone cultures, a novel in vivo system for bone tissue investigation. Sudmann E. **Calcif Tissue Res** 21 Suppl:124–7, Aug 76
Controlled environment culture of bone marrow explants from human myeloma. Gailani S, et al. **Cancer Res** 36(4):1299–304, Apr 76
A tissue culture device for culturing breast tumours and gynaecological tissues. Bishun N, et al. **Cytologia (Tokyo)** 40(1):91–6, Mar 75
Contribution to the primary tissue culture technique. A new method for mechanical cell dispersion. Denaro L, et al. **Experientia** 32(2):261–2, 15 Feb 76
A new technique for dissociation of hair follicles into single cells. Frater R. **Experientia** 32(5):675–6, 15 May 76
A new substrate for cultures of dissociated primary rat brain. Mousson R, et al. **Experientia** 32(6):751–2, 15 Jun 76
A simple method for cultivating the early chick embryo in vitro. Palén K, et al. **Experientia** 32(2):267–8, 15 Feb 76
The culture of post-implantation mammalian embryos. pp. 61–79. Steele CE. **In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974.** (66 ref.)
Technique for cultivation of transitional epithelium from mammalian urinary bladder. Elliott AY, et al. **In Vitro**

11(5):251–4, Sep–Oct 75

Growth of human muscle in tissue culture. An improved technique. Witkowski JA, et al. **In Vitro** 12(2):98–106, Feb 76

In vitro cultivation of prostatic epithelium. Stone KR, et al. **Invest Urol** 14(1):79–82, Jul 76

Adaptation of plastic surfaces for tissue culture by glow discharge. Amstein CF, et al. **J Clin Microbiol** 2(1):46–54, Jul 75

Dispersion and cultivation of renal cells after short-term storage of kidneys. de Oca HM, et al. **J Clin Microbiol** 2(3):243–6, Sep 75

Research group on neuromuscular diseases. A report on various aspects of myogenic cell culture with particular reference to studies on the muscular dystrophies. Holtzer H, et al. **J Neurol Sci** 26(1):115–24, Sep 75

A rapid method for preparing tissue culture clones for light and electron microscopy. Lindsey JN, et al. **Tex Rep Biol Med** 33(4):519–23, 1975

[Prolonged preservation of cell lines at 36 degrees C without renewal of the culture medium] Farrohi K, et al. **Bull Soc Pathol Exot** 68(6):603–8, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Recommendations for use of Pike–Robinson technic] pp. 171–3.
In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975. (Fre)

[Culture technic on semi-solid methylcellulose media (technic described by Till and Mac Culloch)] pp. 23–5. Faille A.
In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975. (Fre)

[Study of granulocytic cell line of human marrow in semi-solid medium (methylcellulose)] pp. 43–57. Faille A, et al.
In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975. (Fre)

[Culture technic in liquid medium. Method of Golde and Cline adapted from Marbrook's technic] pp. 37–42. Faille A.
In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975. (Fre)

[Characterization and properties of colony forming cells] pp. 13–21. Pouillart P, et al.
In: Hollard D, Berthier R, ed. Cultures de cellules hématopoïétiques in vitro. Paris, INSERM, 1975. WH 140 W927c 1975. (Fre)

[The sterilization of serum and trypsin for cell cultivation with betapropiolactone] Döhner L, et al. **Z Med Labortech** 16(5):277–80, 1975 (Eng. Abstr.) **(Ger)**

[Methodological studies on explant cultures of chick embryo aortas] Mahnke PF, et al. **Z Med Labortech** 16(3):154–60, 1975 (Eng. Abstr.) **(Ger)**

[Response of rat thymocytes of mitogens: standardization of a culture micromethod] Perocco P, et al. **Boll Soc Ital Biol Sper** 50(23–24):2093–9, 30 Dec 74 **(Ita)**

[A new means of cultivating insect tissues in a diffusion chamber] Demina NI, et al. **Ontogenez** 6(2):209–11, 1975 **(Rus)**

[A new means of cultivating insect tissues in a diffusion chamber] Demina NI, et al. **Ontogenez** 6(2):209–11, 1975 **(Rus)**

[Methods of preparation and cultivation of tissue cultures from rabbit kidney for manufacturing purposes] Nifontova AI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:150–5, 1973 **(Rus)**

[Cultivation of Theileria annulata in tissue culture] Mutuzkina ZP. **Veterinariia** (4):56–7, Apr 75 **(Rus)**

[Obtaining viable cell cultures from lymphoid tissue] Pozdniakov AA, et al. **Veterinariia** (7):37–9, Jul 75 **(Rus)**

[Effect of the method of tissue culture and the way of its inoculation as applied to the accumulation of potato virus X and tobacco mosaic virus] Zhuk IP, et al. **Mikrobiol Zh** 37(6):718–24, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

TISSUE DONORS

Psychological and social problems encountered in active treatment of chronic uraemia. II. The living donor. Hirvas J, et al. **Acta Med Scand** 200(1–2):17–20, 1976

Physician liability for death of heart transplant donor discussed. **Anesth Analg (Cleve)** 55(4):611–2, Jul–Aug 76

Retrospective analysis of 100 consecutive patients undergoing related living donor renal transplantation. Diethelm AG, et al. **Ann Surg** 183(5):502–10, May 76

Preexisting glomerulonephritis in allografted kidneys. Occurrence in man. de la Rivière GB, et al. **Arch Pathol Lab Med** 100(4):196–8, Apr 76

Organized kidney retrieval on a regional basis. A new approach. Whittier FC, et al. **Arch Surg** 111(8):871–3, Aug 76

Editorial: Donation of kidneys. **Br Med J** 3(5983):556–7, 6 Sep 75

Editorial: Transplant sensationalism. **Br Med J** 4(5988):66, 11 Oct 75

Letter: Renal transplantation. Andrew J. **Br Med J** 4(5991):282, 1 Nov 75

Letter: Renal transplantation. Andrew J. **Br Med J** 4(5998):704, 20 Dec 75

Letter: Shortage of organs for transplantation. Calne RY, et al. **Br Med J** 4(5998):704, 20 Dec 75

Renal function studies after nephrectomy in renal donors. Davison JM, et al. **Br Med J** 1(6017):1050–2, 1 May 76

Causes of failure to harvest cadaver kidneys for transplantation. Jenkins AM. **Br Med J** 1(6013):816–7, 3 Apr 76

Letter: Kidneys for transplantation. McMaster P. **Br Med J** 1(6017):1071, 1 May 76

The problems of medical morality in connection with the donor and the recipient of transplants with particular reference to heart transplants. pp. 751–5. Milhaud A.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Cadaver donor nephrectomy in a small community hospital. Kilstein SS, et al. **J Am Osteopath Assoc** 75(12):1046–8, Aug 76

Jehovah's Witnesses and human tissue donation. Cleveland SE. **J Clin Psychol** 32(2):453–8, Apr 76

Cadaveric kidneys for transplantation: is there a need for more? Pliskin JS. **J Forensic Sci** 21(1):83–97, Jan 76

Post-mortem removal of donated eyes for the non-ophthalmic physician. Hagan JC 3d. **J Med Assoc Ga** 64(12):449–52, Dec 75

Transplantation: the relatives' view. **J Med Ethics** 1(2):71–2, Jul 75

Transplantation. Calne RY. **J Med Ethics** 1(2):59–60, Jul 75

Tissue for transplantation. Dalyell T. **J Med Ethics** 1(2):61–2, Jul 75

The donor doctor's dilemma: observations on the recognition and management of brain death. Jennett B. **J Med Ethics** 1(2):63–6, Jul 75

Ethical aspects of donor consent in transplantation. Mahoney J. **J Med Ethics** 1(2):67–70, Jul 75

Problems of selecting donors for artificial insemination. Schoysman R. **J Med Ethics** 1(1):34–5, Apr 75

Successful allotransplantation of a kidney removed because of ureteral damage in an unrelated living donor. Mcloughlin MG, et al. **J Urol** 115(2):216–7, Feb 76

Related living donor nephrectomy. McLoughlin MG. **J Urol** 116(3):304, Sep 76

Letter: Organ-donor laws. **JAMA** 235(10):1004, 8 Mar 76

Renal function before and after unilateral nephrectomy in renal donors. Pabico RC, et al. **Kidney Int** 8(3):166–75, Sep 75

Prelusive skin grafts in live-donor kidney transplantation. Shackman R, et al. **Lancet** 2(7934):521–4, 20 Sep 75

Parent-to-child and child-to-parent kidney transplants. Experience with 101 transplants at one centre. Simmons RL, et al. **Lancet** 1(7955):321–4, 14 Feb 76

Normal renal function: CIN and CPAH in healthy donors before and after nephrectomy. Slack TK, et al. **Mayo Clin Proc** 51(5):296–300, May 76

Editorial: the beating-heart cadaver. **Med Leg J** 43(2):37–8, 1975

Further thoughts on liability for non-observance of the provisions of the Human Tissue Act 1961. McColl Kennedy I. **Med Sci Law** 16(1):49–55, Jan 76

The interpretation of the Human Tissue Act 1961. Skegg PD. **Med Sci Law** 16(3):193–9, Jul 76

High intravenous doses of methylprednisolone for acute cadaveric renal allograft rejection. Mussche MM, et al. **Nephron** 16(4):287–91, 1976

Intractable renovascular hypertension in an adult recipient of a pediatric cadaveric renal transplant. Rice LE, et al. **Nephron** 17(4):279–87, 1976

Acute effects of stress on renal function in healthy donors. Preliminary report. Kountz SL. **NY State J Med** 75(12):2138–9, Oct 75

Induction of secific immunological tolerance to histocompatible renal and skin allografts after donor strain spleen implantation. Taub RN, et al. **Proc Eur Dial Transplant Assoc** 12:423–8, 1976

Personality characteristics, body image and social attitudes of organ transplant donors versus nondonors. Cleveland SE. **Psychosom Med** 37(4):313–9, Jul–Aug 75

Changes in human tissue donor attitudes: 1969–1974. Cleveland SE. **Psychosom Med** 37(4):306–12, Jul–Aug 75

Editorial: A progressive approach to heart transplants. **S Afr Med J** 50(8):234, 21 Feb 76

Kidney function and compensatory growth of the kidney in living kidney donors. Edgren J, et al. **Scand J Urol Nephrol** 10(2):134–6, 1976

The use of both kidneys obtained from pediatric donors as en bloc transplants into adult recipients. Lindström BL, et al. **Scand J Urol Nephrol** (29 Suppl):71–2, 6–7 Mar 75

Legal protection: facts you should know. Stone SV Jr. **Tex Med** 71(9):109, Sep 75

Kidney transplantation and donor age. Morling N, et al. **Tissue Antigens** 6(3):163–6, Sep 75

Donor age and cumulative kidney graft survival. Solheim BG, et al. **Tissue Antigens** 7(4):251–3, Apr 76

Relationship of allograft function to the development of donor specific cellular nonreactivity in human cadaveric allograft recipients. Rashid A, et al. **Trans Am Soc Artif Intern Organs** 22:229–33, 1976

Results of cadaver kidney transplantation in planning for delivery of medical care. Stubenbord WT, et al. **Trans Am Soc Artif Intern Organs** 22:201–6, 1976

The Uniform Anatomical Gift Act and a statutory definition of death. Jeddeloh NP. **Transplant Proc** 8(2 Suppl 1):245–9, Jun 76

Kidney transplant from a patient with idiopathic hypercalciuria. Ianhez LE, et al. **Urol Int** 31(3):198–204, 1976

[Donor nephrectomy in a general hospital] Jordans JG, et al. **Ned Tijdschr Geneeskd** 119(71):1574–7, 11 Oct 75 (Eng. Abstr.) **(Dut)**

[Organization of donor reporting] Schippers HM. **Ned Tijdschr Geneeskd** 119(71):1577–80, 11 Oct 75 **(Dut)**

[Evolution of irreversible coma. Maintaining the survival of the donor (apropos of 53 cases)] pp. 96–109. Cousin MT, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975. (Fre)

[Renal transplantation in patients suffering from Fabry's disease. Kidney transplantation from an heterozygote subject to a subject without Fabry's disease] Grünfeld JP, et al. **Nouv Presse Med** 4(29):2081–5, 13 Sep 75 (Eng. Abstr.) **(Fre)**

[The Hungarian transplantation law] Serényi P, et al. **Beitr Gerichtl Med** 33:43–5, 1975 (Eng. Abstr.) **(Ger)**

[Transplantation and the diagnosis of death] Schumann K. **Zentralbl Chir** 100(7):427–30, 1975 **(Ger)**

[Problems connected with kidney transplantation. Experiences at the Transplantation Center in Milan. Clinical selection of the recipient] Ponticelli C. **Minerva Chir** 30(15–16):854–7, 15–31 Aug 75 **(Ita)**

[Problems connected with kidney transplantation. Experience at the Transplantation Center in Milan. Resuscitation of the donor] Trazzi R. **Minerva Chir** 30(15–16):849–50, 15–31 Aug 75 **(Ita)**

[Editorial: Kidney transplantation: from cadavers or living donors?] Bogusz J. **Pol Przegl Chir** 48(6):659–61, Jun 76 **(Pol)**

[Donor problem in allotransplantation of tissues and organs] Shalimov AA, et al. **Klin Khir** (11):27–32, Nov 75 **(Rus)**

[Study of some cytochemical indices of leukocytes of the peripheral blood in bone marrow donors] Nikolaeva LK, et al. **Probl Gematol Pereliv Krovi** 21(2):35–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of bone marrow extractions on certain indices of work capacity in donors] Kartashevskiĭ NG, et al. **Voen Med Zh** (11):66–8, Nov 75 **(Rus)**

[Letter: Should children donate parts of their bodies?] Laurell-Borulf Y. **Lakartidningen** 73(19):1782, 5 May 76 **(Swe)**

TISSUE EXTRACTS

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. IV. The release of inhibitor from cultured cells. Shiokawa K, et al. **Dev Biol** 47(2):303–9, Dec 75

Osteogenic induction by cell-free material from murine osteosarcoma and its cultured cell line. Amitani K, et al. **Gann** 66(3):327–9, Jun 75

Mechanism of tumour regression by tumour cell extract. Batra BK, et al. **Indian J Med Res** 63(1):31–5, Jan 75

Oxygen solubilization by lung surfactant. Stanaszek WF, et al. **J Pharm Sci** 65(1):142–3, Jan 76

Proceedings: Quantitative aspects of the gelation reaction of horseshoe crab amoebocyte and bacterial endotoxin. Niwa M, et al. **Jpn J Med Sci Biol** 28(1):98–100, Feb 75

[Diagnostic possibilities using RAST. Correlation with three various skin extracts] Jarisch R. **Hautarzt** 27(2):64–7, Feb 76 (Eng. Abstr.) **(Ger)**

[The effect of concentrating of the tissue extract by dialysis on the structure of lipoproteins in CNS (author's transl)] Hrúzová-Kukurová K, et al. **Bratisl Lek Listy** 64(1):35–40, Jul 75 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

[Effect of oral solcoseryl administration on liver metabolism in patients with chronic liver diseases] Reikowski J, et al. **Wien Med Wochenschr** 125(49):716–9, 5 Dec 75 **(Ger)**

ADVERSE EFFECTS

[Anaphylactic shock as a response to subcutaneous administration of pantocrine] Marchenko LI, et al. **Vrach Delo** (8):135–6, Aug 75 **(Rus)**

ANALYSIS

The subcellular localization of the erythrostimulant factors present in the kidney and spleen of the rabbit. Giovannini E, et al. **Br J Haematol** 29(1):129–35, Jan 75

Separation of pineal extracts by gelfiltration. III. Sheep pineal factors acting either on the hypothalamus, or on the anterior hypophysis of mice and rats in in vitro experiments. Ebels I, et al. **J Neural Transm** 36(3–4):281–302, 1975

Chemical modification of the haemolytic activity of extracts from the box jellyfish Chironex fleckeri (cnidaria). Crone HD. **Toxicon** 14(2):97–107, 1976

[A study of the o-toluidine method for glycogen measurement (author's transl)] Guinovart JJ, et al. **Rev Esp Fisiol** 31(4):317–22, Dec 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Luteolysis with prostaglandin F2alpha or an antiserum against an equine pituitary fraction in hysterectomized mares. Douglas RH, et al. **Am J Vet Res** 36(12):1793–5, Dec 75

The procoagulant factor of leukaemic promyelocytes:

demonstration of immunologic cross reactivity with human brain tissue factor. Gouault Heilmann M, et al. **Br J Haematol** 30(2):151–8, Jun 75

Comparison of the allergenic properties of bee venom and whole bee body extract. Light WC, et al. **Clin Allergy** 6(3):293–300, May 76

Immunological studies on eluates from human kidney grafts. Jeannet M, et al. **Clin Immunol Immunopathol** 4(4):478–88, Nov 75

Cellular immunity to synovial extracts and to IgG in rheumatoid arthritis. pp. 479–82. Bacon PA, et al. **In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974.** (8 ref.)

Identification of allergens in extract of horse hair and dandruff by means of crossed radioimmunoelectrophoresis. Løwenstein H, et al. **Int Arch Allergy Appl Immunol** 51(1):38–47, 1976

Allergen extract of horse hair and dandruff. Quantitative immunoelectrophoretic characterization of the antigens. Markussen B, et al. **Int Arch Allergy Appl Immunol** 51(1):25–37, 1976

Immunological studies of the effect of whole body insect extracts in the treatment of stinging insect allergy. Reisman RE, et al. **J Allergy Clin Immunol** 57(6):547–53, Jun 76

Immunologic reactivity to soluble autochthonous tumor extracts in dogs with spontaneous malignancies. Tsoi M-S, et al. **J Immunol** 116(4):1134–9, Apr 76

Release of bound immunoglobulin from SSPE brain by acid elution. Weil ML, et al. **J Immunol** 115(6):1603–6, Dec 75

Suppression of antibody responses in allogeneic mice by products of lymphoid tissue. II. Lack of antigenic specificity and immunogenetic requirements of allogeneic suppressive factor (ASF). Yonkosky D, et al. **J Immunol** 116(6):1695–703, Jun 76

Microbial adjuvant and autoimmunity. I. Induction of antibody responses to syngeneic tissue extracts in mice treated with capsular polysaccharide of Klebsiella pneumoniae. Nakashima I, et al. **Jpn J Microbiol** 19(1):13–8, Feb 75

[Proceedings: Inhibition of blast transformation of normal human lymphocytes by extracts of colonic tumor] Remacle-Bonnet M, et al. **Ann Immunol (Paris)** 126(3):367–8, Apr 75 **(Fre)**

PHARMACODYNAMICS

Ion adaptation in, and effect of celluline-like substances on the isolated heart of Helix pomatia L. Kovács A. **Acta Biol Acad Sci Hung** 25(3):181–91, 1974

Cardiodepressor and vasodepressor activities of partially purified bovine hypothalamic extract. Traczyk WŻ, et al. **Acta Physiol Pol** 27(3):249–58, May–Jun 76

The resistance of certain tissues to invasion. III. Cartilage extracts inhibit the growth of fibroblasts and endothelial cells in culture. Eisenstein R, et al. **Am J Pathol** 81(2):337–47, Nov 75

Degradation of deoxyribonucleic acid by guinea pig epidermal extracts. Miyagawa T, et al. **Arch Dermatol Res** 254(1):79–85, 14 Nov 75

The effect of salivary gland extracts on the histology of lymphoid organs and salivary glands in mice. de Lange GL. **Arch Oral Biol** 20(8):515–20, Aug 75

Capacitation of hamster spermatozoa with adrenal gland extracts. Bavister BD, et al. **Biol Reprod** 14(2):219–21, Mar 76

Effects of Lysoartrosi on granulation tissue formation in intact rats. Davies JE, et al. **Boll Chim Farm** 114(9):539–40, Sep 75

Regulation by thymus extracts of RNA synthesis in spleen cells 'in vitro'. Amici D, et al. **Boll Soc Ital Biol Sper** 51(21):1497–500, 15 Nov 75

Extraction from ox retractor penis of an inhibitory substance which mimics its atropine-resistant neurogenic relaxation. Ambache N, et al. **Br J Pharmacol** 54(3):409–10, Jul 75

Influence of hormonal extracts on hens producing eggs with non-calcified or partially calcified shells and factors associated with this condition. Roland DA, et al. **Br Poult Sci** 16(5):423–9, Sep 75

On the structure and function of a neurohemal organ in the eye cavity of Eledone cirrosa (Cephalopoda). Froesch D, et al. **Brain Res** 111(2):287–93, 30 Jul 76

Neurotrophic effect of spinal cord extract on membrane potentials of organ-cultured mouse skeletal muscle. Kuromi H, et al. **Brain Res** 100(1):178–81, 12 Dec 75

Inhibitory effect of the brain extract from sleep-deprived rats (BE-SDR) on the spontaneous discharges of crayfish abdominal ganglion. Nagasaki H, et al. **Brain Res** 109(1):202–5, 4 Jun 76

Effects of subfornical organ extracts of salt-water balance in the rat. Summy-Long JY, et al. **Brain Res** 113(3):499–516, 3 Sep 76

Maintenance by cortisone of the calcemic response to parathyroid extract of rats on a diet without vitamin D and low in calcium. Pavlovitch H, et al. **Calcif Tissue Res** 20(3):261–74, 14 Jun 76

A method for the study of the inhibition of DNA synthesis by rabbit tissue extracts. Sassier P, et al. **Can J Physiol Pharmacol** 54(03):367–72, Jun 76

Studies on the regulation of ribosomal RNA synthesis in sea urchin development. Pirrone AM, et al. **Dev Biol** 49(2):311–20, Apr 76

Control of myogenesis in vitro by chick embryo extract. Slater CR. **Dev Biol** 50(2):264–84, Jun 76

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. V. Inability of inhibitor to repress 5S RNA synthesis. Yamana K, et al. **Dev Biol** 47(2):461–3, Dec 75

A fraction isolated from porcine upper small intestine stimulating pepsin secretion in the cat. Vagne M, et al. **Digestion** 14(1):89–93, 1976

Prolactin-releasing and release-inhibiting factor activities in the bovine, rat, and human pineal gland: in vitro and in vivo studies. Blask DE, et al. **Endocrinology** 99(1):152–62, Jul 76

Dissociation of prolactin-releasing activity from thyrotropin-releasing hormone in porcine stalk median eminence. Szabo M, et al. **Endocrinology** 98(6):1451–9, Jun 76

Effect of median eminence extract on the corticosterone uptake by the anterior pituitary gland in normal and adrenalectomized rats. Hegedüs I, et al. **Endokrinologie** 64(1):90–4, 1974

Effect of median eminence extract on corticosterone uptake by the anterior pituitary in rats. Hegedüs I, et al. **Endokrinologie** 63(3):386–9, 1974

Effect of denervation on muscle cyclic AMP in the newt. Lentz TL. **Exp Neurol** 49(3):716–24, Dec 75

Neurotropic effects of sciatic nerve extracts on muscle development in culture. Oh TH. **Exp Neurol** 50(2):376–86, Feb 76

Preliminary purification and dosages of the erythropoietic factor from ox-spleen. de Franciscis P, et al. **Experientia** 31(10):1221–3, 15 Oct 75

Vascular permeability-increasing action of hypoalbuminemic substance from Ehrlich ascites carcinoma cells. Ueki H, et al. **Gann** 66(3):237–43, Jun 75

The control of ovulation in the hermaphroditic freshwater snail Lymnaea stagnalis by the neurohormone of the caudodorsal cells. Geraerts WP, et al. **Gen Comp Endocrinol** 28(3):350–7, Mar 76

The effect of in vivo administration of chicken hypothalamic extract on the crop sac and the pituitary gland of the pigeon. Knight PJ, et al. **Gen Comp Endocrinol** 27(4):488–94, Dec 75

Seasonal variation in prolactin and TSH releasing activity in the hypothalamus of Rana temporaria. Kühn ER, et al. **Gen Comp Endocrinol** 28(3):277–82, Mar 76

Physiology of low temperature acclimation : triggering of biochemical changes by hormone-like action of injected nerve tissue extracts. Nayeemunnisa, et al. **Indian J Biochem Biophys** 12(2):194–6, Jun 75

Experimental induction of hyperglycemia in Lymnaea luteola Lamarck. Manohar L, et al. **Indian J Exp Biol** 13(6):583–5, Nov 75

Aspects of nitrogen excretion during aestivation in the amphibious snail Pila globosa (Swainson): evidence for enzyme urease susceptibility to neuroendocrine influence. Nayeemunnisa. **Indian J Exp Biol** 13(3):309–11, May 75

Some observations on sensitisation of isolated swim bladder of teleost fish Ophiocephalus punctatus Bloch. to acetylcholine by the extract of caudal neurosecretory substances. Roy U. **Indian J Exp Biol** 13(3):253–5, May 75

Proceedings: Influence of neural extracts on myoblast development. Kuntz E. **J Am Osteopath Assoc** 75(6):606, Feb 76

Neurohemal organ extracts effect the ventilation oscillator in crustaceans. Berlind A. **J Exp Zool** 195(1):165–70, Jan 76

Neurotrophic activity of brain extracts in forelimb regeneration of the urodele, Triturus. Singer M, et al. **J Exp Zool** 196(2):131–50, May 76

Chicken egg yolk enhances focus formation by subgroup B, C and D rous sarcoma viruses. Sandelin K. **J Gen Virol** 32(1):109–20, Jul 76

Biological properties of a granuloma glycoprotein that inhibits macrophage phagocytosis. Bole GG, et al. **J Lab Clin Med** 87(1):98–111, Jan 76

The exchange of phosphatidylcholine and of phosphatidylinositol in sheep brain. Brammer MJ, et al. **J Neurochem** 25(5):699–705, Nov 75

In vitro release of ACTH from dispersed rat pars intermedia cells. I. Effect of secretagogues. Kraicer J, et al. **Neuroendocrinology** 20(1):79–96, 1976

Electron microscopical investigations on the glycocalyx of cultivated cells after incubation with extracts from rapidly growing normal and tumour tissues. Mangakis N, et al. **Pathol Eur** 10(2):105–14, 1975

The effect of muscle extracts on the contracture response of skeletal muscle to acetylcholine. Watson JE, et al. **Pfluegers Arch** 363(2):161–6, 12 May 76

Influence of hypothalamic extract on the uptake of steroid hormones by the anterior pituitary gland in rats. Hegedüs I, et al. **Prog Brain Res** 42:329, 1975

Effects of irradiation on stem cell response to differentiation inhibitors in the planarian Dugesia etrusca. Steele VE, et al. **Radiat Res** 67(1):21–9, Jul 76

Induction of theta-positive murine lymphocytes by a thymic extract. Burke TR, et al. **Res Commun Chem Pathol Pharmacol** 14(2):349–66, Jun 76

Absence of collagen stimulating factors for L929 cells in granulation tissue extracts. Wiener SL, et al. **Res Commun Chem Pathol Pharmacol** 13(1):101–8, Jan 76

A study on the effect of central nervous system homogenate on the carbohydrate metabolism in the land slug, Laevicaulis alte. Kulkarni AB. **Riv Biol** 68(1–2):117–24, Jan–Jun 75

Further evidence for an intestinal phase hormone that stimulates gastric acid secretion. Orloff MJ, et al. **Surgery** 80(2):145–54, AUG 76

Inhibitory substance (substance I) in rat liver of dopamine-beta-hydroxylase and its effect on the rat blood pressure. Izumi H, et al. **Tohoku J Exp Med** 117(2):201–2, Oct 75

Extraction of an inhibitory substance from rat liver on rat brain ATPase. Izumi H, et al. **Tohoku J Exp Med** 118(1):97–8, Jan 76

Effect extracts of the venom gland of the recluse spider, Loxosceles laeta, on human cells in culture. Suárez G, et al. **Toxicon** 14(4):335–7, 1976

Inhibition of rat hepatocyte multiplication by serum and liver factors: physiological development and experimental induction. Nadal C, et al. **Virchows Archiv [Cell Pathol]** 20(4):277–85, 26 May 76

Pharmacological studies on the giant African snail (Archachatina marginata). Marquis VO. **West Afr J Pharmacol Drug Res** 1(1):42–6, Jan 74

[Fibrin-stabilizing properties of the peritoneum and the mechanism for the formation of intraperitoneal adhesions] Mitov F, et al. **Khirurgiia (Sofiia)** 28(5):433–8, 1975 (Eng. Abstr.) **(Bul)**

[Influence of the biological activity of substances on the puerperal period and fertility of cows] Konstantinov P. **Vet Med Nauki** 12(9):15–20, 1975 (Eng. Abstr.) **(Bul)**

[Influence of tissue emulsions on the phagocytic activity of the RES] Konstantinov P, et al. **Vet Med Nauki** 12(1):3–9, 1975 (Eng. Abstr.) **(Bul)**

[Time development of haemodynamic changes in rats during thyreoidin administration (author's transl)] Kapitola J, et al. **Cas Lek Cesk** 114(49):1526–7, 5 Dec 75 (Eng. Abstr.) **(Cze)**

[Role of 2 thymus extracts in protection mechanisms against microbial infection] Deschaux P, et al. **C R Acad Sci [D] (Paris)** 281(19):1443–5, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Action of the polytissular antitoxic principle (PATP) on the genitically leukemic AKR mouse treated by para-di(2-chloroethyl)-L-phenylalanine (PDCPA)] Ratsimamanga-Urverg S, et al. **C R Acad Sci [D] (Paris)** 282(18):1689–93, 10 May 76 (Eng. Abstr.) **(Fre)**

[Pharmacological effect of Solcoseryl on the metabolism of the brain. Animal experiments and clinical research] Lanner G, et al. **Wien Med Wochenschr** 125(47):681–5, 21 Nov 75 **(Ger)**

[Effect of the protein-free calf-blood-extract (Solcoseryl) on the excretion of estrogens in chronic placental insufficiency] Herre HD, et al. **Zentralbl Gynaekol** 98(4):212–6, 1976 (Eng. Abstr.) **(Ger)**

[Pharmacological action of cattle prostate extracts (PE). V. Effect on the bladder] Hiramatsu M, et al. **Folia Pharmacol Jpn** 71(1):19–28, Jan 75 (Eng. Abstr.) **(Jpn)**

[Effects of solcoseryl on the cerebral blood flow, intracranial pressure, systemic blood pressure and EEG in acute intracranial hypertensive cats (author's transl)] Kubota S, et al. **Neurol Surg (Tokyo)** 4(2):163–76, Feb 76 (Eng. Abstr.) **(Jpn)**

[The influence of low-molecular extracts from heterologous thymus, epiphysis and hypothalamus on the immune response in mice] Belokrylov GA, et al. **Biull Eksp Biol Med** 81(2):202–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Regulation of mitochondrial membrane permeability by a factor from mitochondrial interaction] Turakulov IaK, et al. **Biull Eksp Biol Med** 81(4):411–3, 1976 (Eng. Abstr.) **(Rus)**

[Membrane-active regulators of mitochondria] Mironova GD, et al. **Dokl Akad Nauk SSSR** 226(5):1203–6, 11 Feb 76 **(Rus)**

[Effect of AMP and the 'mitochondrial interaction factor' on Ca2+ ion transport in liver mitochondria] Turakulov IaK, et al. **Dokl Akad Nauk SSSR** 226(2):478–81, 11 Jan 76 **(Rus)**

[Character of the change in some biochemical indices of regenerating bone tissue under the influence of exogenous RNA and adrenal extract] Leont'eva FS, et al. **Ortop Travmatol Protez** (7):53–6, Jul 75 (Eng. Abstr.) **(Rus)**

[The effect of an epiphyseal extract on regulation of fat-carbohydrate metabolism] Ostroumova MN, et al. **Probl Endokrinol (Mosk)** 22(3):66–9, May–Jun 76 (Eng. Abstr.) **(Rus)**

[The effect of extracts from Fallopian tube tissues, uterine fibromas and uterine adenocarcinomas on the growth and capacity for cell division of a human cell line] Kochergina NI. **Tsitologiia** 18(1):106–9, Jan 76 (Eng. Abstr.) **(Rus)**

[Tissue-specific depression of DNA synthesis by calcium salt-free liver and lung extracts that are able to increase the stability of cell linkage in the tissue] Modianova EA, et al. **Tsitologiia** 17(10):1155–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Comparative effect of gangliosides, isolated from the human and bovine brain, on cerebravascular circulation] Sekoian ES, et al. **Zh Eksp Klin Med** 15(5):47–52, 1975 **(Rus)**

[The effect of pituitary injections on the isoenzyme composition of non-specific esterases in the tissues of the silver carp, Hypophthalmichthys molitrix] Lebedeva NE, et al. **Zh Evol Biokhim Fiziol** 12(3):284–6, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Palatine tonsils and immunity. VIII. Soluble factors produced by lymphocytes of the palatine tonsils and other

lymphoid formations in rabbits] Chernata LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):92–6, 1976 **(Rus)**

[The effect of brain hydrolysate on central nervous system structure] Zommer Kh, et al. **Zh Nevropatol Psikhiatr** 75(7):1021–5, 1975 (Eng. Abstr.) **(Rus)**

[Effect of splenin on the prothrombin level in the blood] Barenboĭm AM, et al. **Fiziol Zh** 22(3):417–9, MAR–APR 76 **(Ukr)**

[The effect of splenin on bile secretion and its chemical composition in dogs] Olifnyk BV, et al. **Fiziol Zh** 20(6):763–7, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

STANDARDS

Bacteriophage control of some virus vaccines and organ extracts for human use. Netter R, et al. **J Biol Stand** 3(3):311–9, 1975

THERAPEUTIC USE

Peptide treatment of postgastrectomy obstruction. Hiatt RB, et al. **Arch Surg** 111(9):997–9, Sep 76

Chronic one–kidney hypertension in rabbits. I. Treatment with kidney extracts. Skeggs LT, et al. **Circ Res** 37(6):715–24, Dec 75

Experimentally induced cleft palates and prophylactic studies in Swiss mice. Metah D, et al. **J Oral Pathol** 5(4):209–16, Jul 76

Calf blood extract in treatment of equine foot lesions. Shokry M, et al. **Mod Vet Pract** 56(12):831–2, Dec 75

The effect of a bovine hypothalamic factor on mouse brain neurotransmitters. Mishra RK, et al. **Neuropharmacology** 15(6):345–8, Jun 76

Letter: Green mussel and rheumatoid arthritis. McFarlane SJ. **NZ Med J** 81(542):569, 25 Jun 75

[Solcoseryl in the treatment of stubborn corneal ulcers] Deodati F, et al. **Bull Soc Ophtalmol Fr** 74(9–10):967–9, Sep–Oct 74 **(Fre)**

[On the efficacy of a spleenic dialysate (M 40,412) in disturbed potency (author's transl)] Jovanović UJ. **Arzneim Forsch** 26(3):457–62, 1976 (Eng. Abstr.) **(Ger)**

[Prevention of malformations with actihaemyl (an animal study)] Metah D, et al. **Dtsch Zahnaerztl Z** 31(8):661–4, Aug 76 **(Ger)**

[The effect of Actihaemyl on epithelial regeneration (author's transl)] Holtmann HW, et al. **Klin Monatsbl Augenheilkd** 167(3):437–41, Sep 75 (Eng. Abstr.) **(Ger)**

[Comparative studies on the effect of Mobilat geliontophoresis in diseases of the moving apparatus] Plötze B. **Med Monatsschr** 30(2):83–5, Feb 76 **(Ger)**

[Clinical experience with Cerebrolysin in geriatrics] Krauss W. **Med Welt** 26(42):1937–9, 17 Oct 75 **(Ger)**

[Do brain hydrolysates potentiate the action of tricyclic antidepressive agents?] Böhme K. **Munch Med Wochenschr** 117(40):1311–2, 3 Oct 75 **(Ger)**

[Anti–inflammatory and analgesic efficiency of a biologic preparation in arthrosis. Comparative controlled study] Pipino F, et al. **Munch Med Wochenschr** 117(43):1743–4, 24 Oct 75 **(Ger)**

[The application of Actihaemyl in chronically inflamed and dystrophic urinary bladder (author's transl)] Truss F, et al. **Urologe [A]** 15(1):44–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Treatment results in problem patients using cytoplasmic therapeutic agents] Lindstaedt R, et al. **Z Allgemeinmed** 51(11):545–8, 20 Apr 75 **(Ger)**

[Studies on the effectiveness of a drug combination for the supportive treatment of marginal periodontal diseases] Danz D. **ZWR** 85(4):170–1, 25 Feb 76 **(Ger)**

[The role of increased metabolism in the mouth mucosa in pain and tissue lesions. 1. Introduction of a new drug] Henning G, et al. **ZWR** 85(3):116–20, 10 Feb 76 **(Ger)**

[Antithrombogenic action of a new extract: 3GS] Rusconi C, et al. **Minerva Cardioangiol** 23(9):565–70, Sep 75 (Eng. Abstr.) **(Ita)**

[Current news in the treatment with mammary gland extracts] Grossi F. **Minerva Ginecol** 27(8):659–64, Aug 75 (Eng. Abstr.) **(Ita)**

[Effect of brain cortex phospholipids on some enzymatic reactions of cerebral amino acid decarboxylation and possible therapeutic implications (author's transl)] Mazzoni S, et al. **Riv Patol Nerv Ment** 95(5):637–50, Oct 74 (Eng. Abstr.) **(Ita)**

[Clinical studies on the use of cattle eyeball extracts on degenerative changes in the human joint] Markowa J, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):199–203, 1976 (Eng. Abstr.) **(Pol)**

[Raveron treatment of prostatic adenoma in the light of uroflowmetry (on the basis of 20 cases)] Janosz, F, et al. **Pol Przegl Chir** 47(11A):1441–4, Nov 75 (Eng. Abstr.) **(Pol)**

[Changes in the cutaneous–inflammatory response of guinea pigs under the influence of splenin] Barenboĭm AM, et al. **Biull Eksp Biol Med** 82(7):801–3, Jul 76 **(Rus)**

[Effect of splenin on protein–synthetising function of the liver during treatment of experimental tuberculosis with large doses of isoniazid] Afrikanov II, et al. **Probl Tuberk** (7):74–8, 1975 (Eng. Abstr.) **(Rus)**

[Use of pansinorm–forté in gastric and intestinal dyspepsia] Orlov VA, et al. **Sov Med** (10):83–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Treatment of patients with primary deforming arthrosis and spondylosis with a tissue preparation, rumalon] Belen'kiĭ MS. **Vopr Revm** (2):65–7, Apr–Jun 75 **(Rus)**

[Combined treatment of Botkin's disease with splenin and delagil] Kravchenko IA, et al. **Vrach Delo** (2):123–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Effectiveness of combined treatment of coronary disease with curantil and corhormone] Kuz'ko NV. **Vrach Delo** (2):11–3, Feb 76 (Eng. Abstr.) **(Rus)**

[The effect of splenin on the DNA–ase activity of the urine and several tissues of intact and irradiated animals] Shevchenko OV, et al. **Fiziol Zh** 20(6):759–62, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

TOXICITY

[Influence of thermal processing in vitro on the toxic properties of skin extracts] Movshev BE, et al. **Patol Fiziol Eksp Ter** (3):42–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

TISSUE FACTOR see **THROMBOPLASTIN**

TISSUE PRESERVATION

Autoperfused multi–organ preparations. II. Microcirculation in the autoperfused organs. Szmolenszky T, et al. **Acta Chir Acad Sci Hung** 16(4):289–98, 1975

The application of gaseous ethyleneoxide for sterilization of tissue grafts, obtained without maintaining sterile conditions. Savelyev VI. **Acta Chir Plast (Praha)** 17(4):198–204, 1975

Transplantation of tendons sterilized in formalin vapours and preserved in paraffin oil. Timashkevich KD, et al. **Acta Chir Plast (Praha)** 17(4):212–8, 1975

Effect of low temperature on isolated mammalian heart. Shadan F, et al. **Acta Med Iran** 18(1–2):1–4, 1975

Histochemical evaluation of enzymes in the rabbit corneal endothelium after short–term storage. Yokota S, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 200(1):59–69, 26Jul 76

Endothelial survival in corneal tissue stored in M–K medium. Van Horn DL, et al. **Am J Ophthalmol** 80(4):642–7, Oct 75

Regional program for kidney preservation and transplantation in New England. Cho SI, et al. **Am J Surg** 131(4):428–33, Apr 76

Fibrinolytic activity in autologous jugular vein: loss and restoration. Gervin AS, et al. **Am Surg** 41(11):726–30, Nov 75

Establishment of a viable homograft cardiac valve bank: a rapid method of determining homograft viability. Watts LK, et al. **Ann Thorac Surg** 21(3):230–6, Mar 76

Medium–term preservation of the cornea. Itoi M. **Arch Ophtalmol (Paris)** 35(2):219–32, Feb 75

Corneal cryo–preservation and its clinical application. Kaufman HE. **Arch Ophtalmol (Paris)** 35(2):201–10, Feb 75

Cadaver storage time. An important factor in donor cornea survival. McKinnon JR, et al. **Arch Ophthalmol** 94(2):217–20, Feb 76

In vitro culture, storage and transfer of goat embryos. Bilton RJ, et al. **Aust J Biol Sci** 29(1–2):125–9, Mar 76

Problems of organ preservation. Clunie GJA, et al. **Aust NZ J Surg** 46(1):13–8, Feb 76

The effect of storage on enzyme activities in tissues. Cryer A, et al. **Biochem J** 144(3):433–4, Dec 74

Factors influencing the survival of cell monolayers during storage at 4 degrees. Daniel MR, et al. **Br J Exp Pathol** 57(2):137–47, Apr 76

Proceedings: Patterns of lysosomal enzyme release during in vitro kidney perfusion. Cohen GL, et al. **Br J Surg** 63(8):662, Aug 76

Proceedings: Effect of superimposed cold ischaemia on a long warm ischaemic interval. Rogers S, et al. **Br J Surg** 62(8):662, Aug 75

Short–term cadaver kidney preservation. Bewick M, et al. **Br J Urol** 47(5):501–11, Oct 75

Letter: Marking instrument for use in cryopreservation. Harrison RF, et al. **Br Med J** 2(6028):180, 17 Jul 76

The prevention of autolysis of stored cornea using steroid as a lysosome membrane stabilizer. Fook TJ, et al. **Can J Ophthalmol** 10(4):482–6, Oct 75

Influence of warm and cold ischemia time on initial function and one–year survival of renal allografts. Jensen H, et al. **Clin Nephrol** 5(6):256–9, Jun 76

Histological studies of subcutaneous and intraperitoneal implants of trypsin–prepared dermal collagen allografts in the rat. Oliver RF, et al. **Clin Orthop** (115):291–302, Mar–Apr 76

Alterations in myocardial glucose and fatty acid metabolism during heart–lung preservation. Masters TN, et al. **Coll Works Cardiopulm Dis** 19:42–50, Apr 73

Autoperfusing heart–lung preparation: prolonged survival by extracorporeal symbiosis. Tam W, et al. **Coll Works Cardiopulm Dis** 19:81–4, Apr 73

The effect of cooling rate and of dimethyl sulfoxide concentration on the ultrastructure of neonatal rat heart cells after freezing and thawing. Alink GM, et al. **Cryobiology** 13(3):305–16, Jun 76

The effect of cooling rate and of dimethyl sulfoxide concentration on low temperature preservation of neonatal rat heart cells. Alink GM, et al. **Cryobiology** 13(3):295–304, Jun 76

Metabolic changes in rat skin during preservation and storage in glycerol buffer at –196 degrees C. De Loecker W, et al. **Cryobiology** 13(1):24–30, Feb 76

On the problem of dehydration and intracellular crystallization during freezing of cell suspensions. Pushkar NS, et al. **Cryobiology** 13(2):147–52, Apr 76

Cryobiology of the heart. Offerijns FG. **Eur J Cardiol** 3(2):85–95, Aug 75 (127 ref.)

Twenty–four–hour preservation of the duct–ligated canine pancreatic allograft. Brynger H. **Eur Surg Res** 7(6):341–54, 1975

Behaviour of the duct–ligated canine pancreas during hypothermic albumin perfusion. Brynger H, et al. **Eur Surg Res** 7(4–5):287–96, 1975

Is it worth preserving the nerves in a transplanted kidney? Gomboš A, et al. **Folia Morphol (Praha)** 23(4):320–2, 1975

Vability assessment of the preserved heart: a brief review of current experimental techniques. Cooper 2dk. **Guys Hosp Rep** 123(2):131–5, 1974

Lymphocyte preservation. pp. 422–4. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.2.**

Organization and immunological qualities of lyophilized and radiosterilized extrasynovial dog–tendon preparations. pp. 25–37. Fehér I, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.**

Comparison of some properties of tissue grafts sterilized by cold shock and ionizing radiation. pp. 203–14. Klen R, et al. **In: Radiosterilization of medical products 1974. Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.**

Experimental studies with Staphylococcus aureus in M–K media. Brightbill FS, et al. **Invest Ophthalmol** 15(1):32–4, Jan 76

Dextran uptake into, and loss from, corneas stored in intermediate–term preservative. Hull DS, et al. **Invest Ophthalmol** 15(8):663–6, Aug 76

Tendon grafting with glutaraldehyde fixed material. McMaster WC, et al. **J Biomed Mater Res** 10(2):259–71, Mar 76

Studies on the antigenicity of bone. I. Freeze–dried and deep–frozen bone allografts in rabbits. Friedlaender GE, et al. **J Bone Joint Surg [Am]** 58(6):854–8, Sep 76

A comparative study between glutaraldehyde–preserved aortic and pulmonary heterograft valves in the tricuspid position in dogs. Okamura K, et al. **J Cardiovasc Surg (Torino)** 17(2):178–86, Mar–Apr 76

Long–term preservation of cells and tissues: a review. Pegg DE. **J Clin Pathol** 29(4):271–85, Apr 76 (103 ref.)

Uptake and release of ethyl alcohol by homograft ossicles and cartilage. Thomas JN, et al. **J Laryngol Otol** 89(8):827–32, Aug 75

Immersion fixation of rapidly frozen, untreated tissues and suspensions of cells including spermatozoa. Cummins JM, et al. **J Microsc (Oxf)** 104(2):121–5, Jul 75

A system for controlled microwave heating of small samples. Walker CM, et al. **J Microwave Power** 11(1):29–32, Mar 76

Allogeneic iliac transplants in rhesus monkeys. A sequential histologic study. Poulsom RC, et al. **J Periodontol** 47(4):187–95, Apr 76

Development of rabbit embryos in vitro and in vivo following storage of the two–cell stage at 10 degrees C. Anderson GB, et al. **J Reprod Fertil** 45(1):151–3, Oct 75

The storage of cow eggs at room temperature and at low temperatures. Trounson AO, et al. **J Reprod Fertil** 46(1):173–8, Jan 76

Fluorochemical perfusates for renal preservation. Berkowitz HD, et al. **J Surg Res** 20(6):595–600, Jun 76

Preservation of venous tissue. Nicholas GG, et al. **J Surg Res** 20(3):221–3, Mar 76

Effect of phentolamine on perfusate flow characteristics during renal preservation. Weber TR, et al. **J Surg Res** 21(1):21–5, Jul 76

A simple method of resuscitation and short–term preservation of the canine cadaver heart. Cooper DK. **J Thorac Cardiovasc Surg** 70(5):896–908, Nov 75

Coronary artery bypass with freeze–preserved saphenous vein allografts. Tice DA, et al. **J Thorac Cardiovasc Surg** 71(3):378–82, Mar 76

Isolation, freezing and storage of rabbit growth plate chondrocytes. Lowe C, et al. **Lab Pract** 24(8):511–4, Aug 75

Enhanced preservation of the ischaemic kidney with inosine. Fernando AR, et al. **Lancet** 1(7959):555–7, 13 Mar 76

Influence of preservation on some mechanical properties of human haversian bone. Komender A. **Mater Med Pol** 8(1):13–7, Jan–Mar 76

Clinical effects of warm ischemia and prolonged preservation on the outcome of transplanted kidneys. Toledo–Pereyra LH, et al. **Minn Med** 59(1):18–23, Jan 76

Effects of freezing and storage on subcellular fractionation of guinea pig and human brain. Stahl WL, et al. **Neurobiology** 5(6):393–400, Dec 75

Cadaver allograft function: the effects of retrieval and preservation. Johnson HK, et al. **Proc Clin Dial Transplant Forum** (4):181–5, 1974

The importance of donor protection by furosemide and steroids in cadaveric kidney preservation. McCabe R, et al. **Proc Clin Dial Transplant Forum** 3:85–7, 1973

Prevention of irreversible ischemic damage in renal preservation by pharmacological manipulation. Mozes MF, et al. **Proc Clin Dial Transplant Forum** (4):189–92, 1974

Long–term kidney preservation with a new plasma perfusate.

Toledo–Pereyra LH, et al.
Proc Clin Dial Transplant Forum 3:88–91, 1973

The influence of protein concentration of the perfusate on weight gain and kidney transplant outcome. Whittier FC, et al. **Proc Clin Dial Transplant Forum** 5:36–9, Nov 75

Kidney preservation by continuous hypothermic albumin perfusion without membrane oxygenation. Claes G, et al. **Proc Eur Dial Transplant Assoc** 12:483–91, 1976

Effect of organ preservation in cadaver kidney transplantation. Toledo–Pereyra LH, et al. **Proc Eur Dial Transplant Assoc** 12:492–500, 1976

Myocardial preservation during cardiac arrest. Braimbridge MV, et al. **Proc R Soc Med** 69(3):197–9, Mar 76

Cytospectrophotometric investigations on bull spermatozoa preserved by freezing. Dimoftache C. **Rev Roum Morphol Physiol** 20(1):67–71, 1974

Oxypurine excretion during kidney preservation: an indicator of ischaemic damage. Buhl MR. **Scand J Clin Lab Invest** 36(2):169–74, Mar 76

Renal transplantation in the rat. II. In vitro perfusion of rat kidneys before transplantation. Frödin L. **Scand J Clin Lab Invest** 35(5):455–62, Sep 75

The effect of chlorpromazine pretreatment on tubular function in kidney preservation. Dahlager JI, et al. **Scand J Urol Nephrol** 10(2):126–9, 1976

A technique for rapid harvesting of cadaveric renal and pancreatic grafts after circulatory arrest. Groth CG, et al. **Scand J Urol Nephrol** (29 Suppl):67–9, 6–7 Mar 75

LDH release into perfusates of preserved kidneys. Kemp E, et al. **Scand J Urol Nephrol** 10(2):142–6, 1976

Experimental renal preservation with glucose-free perfusate. Slaattelid O, et al. **Scand J Urol Nephrol** (29 Suppl):79–80, 6–7 Mar 75

Editorial: 'Full service' organ banks. Karow AM, et al. **South Med J** 68(11):1324–5, Nov 75

In situ kidney preservation for transplantation with use of profound hypothermia (5 to 20 degrees C.) with an intact circulation. Moossa AR, et al. **Surgery** 79(1):60–4, Jan 76

Short-term kidney preservation: to perfuse or not to perfuse. McCabe RE, et al. **Trans Am Soc Artif Intern Organs** 22:207–10, 1976

Preservation, transportation, and transplantation of the lung without functional impairment. Veith FJ, et al. **Trans Am Soc Artif Intern Organs** 22:216–22, 1976

The antigenicity of preserved allografts. Friedlaender GE. **Transplant Proc** 8(2 Suppl 1):195–200, Jun 76

Does preservation injury predipose to rejection injury? Humphries AL Jr, et al. **Transplant Proc** 8(2 Suppl 1):209–13, Jun 76

Corneal preservation. Slappey TE. **Transplant Proc** 8(2 Suppl 1):223–7, Jun 76

Hypoxanthine excretion during preservation of rabbit kidneys for transplantation. An assessment of the ischaemic damage. Buhl MR, et al. **Transplantation** 21(6):460–7, Jun 76

Preservation of cadaver kidneys using hypothermic, hyperosmolar, intracellular washout solution. Diethelm AG, et al. **Transplantation** 21(5):417–20, May 76

Fatty acid utilization during perfusion. Halasz NA, et al. **Transplantation** 20(4):354–6, Oct 75

Letter: Steroids and cyclophosphamide dosage in renal allograft perfusion. Woods JE, et al. **Transplantation** 21(3):260, Mar 76

Angiographic evaluation of machine perfused kidneys. Dreikorn K. **Urol Res** 3(3):123–7, 29 Oct 75

Appearance of the encephalitogenic activity in the non-encephalitogenic fraction from human brain during a prolonged storage. Pekárek J, et al. **Z Immunitaetsforsch** 144(5):167–71, Feb 73

[Electron microscope studies of the kidney after its preservation at low temperatures] Mateeva G, et al. **Eksp Med Morfol** 15(2):99–103, 1976 (Eng. Abstr.) **(Bul)**

[Complex-forming factors in the dilution of bull sperm for deep freezing] Kichev G, et al. **Vet Med Nauki** 12(4):49–53, 1975 (Eng. Abstr.) **(Bul)**

[Phagocytary activity of macrophages in cultures of stored murine bone marrow] Viktora L, et al. **Cesk Fysiol** 25(2):165, 1976 **(Cze)**

[Possible complications during perfusion of the preserved kidney] Vrubel J, et al. **Rozhl Chir** 54(8):534–8, Aug 75 (Eng. Abstr.) **(Cze)**

[Preservation of the lung for 2 and 24 hours, followed by delayed experimental autograft (author's transl)] Rabinovitch J, et al. **Ann Chir Thorac Cardiovasc** 14(3):297–305, Jul 75 (Eng. Abstr.) **(Fre)**

[Homografts of the tympano-ossicular systems. Technic of removal and preservation] Fombeur JP, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):509–16, Sep 75 (Eng. Abstr.) **(Fre)**

[Histological aspects of preserved cornea. Criteria of survival, behavior of the graft] Gajdos A, et al. **Arch Ophtalmol (Paris)** 35(2):211–8, Feb 75 **(Fre)**

[Histology and function of the cryopreserved corneal endothelium] Weekers JF, et al. **Arch Ophtalmol (Paris)** 35(8–9):651–64, Aug–Sep 75 **(Fre)**

[Kidney preservation methods (author's transl)] Michielsen P, et al. **Ateneo Parmense [Acta Biomed]** 46(5):387–400, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Influence of prednisolone on kidney preservation in vitro for 2 days] Mirkovitch V, et al. **Helv Chir Acta** 43(1–2):165–6, Mar 76 **(Fre)**

[Renal preservation: comparative effectiveness of 2 simple perfusion technics] Dauchel J, et al. **J Chir (Paris)** 109(3):387–401, Mar 75 (Eng. Abstr.) **(Fre)**

[Heteroinsemination with frozen human sperm. Preliminary results at the Hôpital Necker] Millet D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):903–11, Sep 74 (Eng. Abstr.) **(Fre)**

[Enzyme-histochemical studies of ischemic damage to the pancreaticoduodenal graft ready for transplantation in the dog] Kupcsulik P, et al. **Acta Chir Acad Sci Hung** 16(2):183–201, 1975 (Eng. Abstr.) **(Ger)**

[Light and electron microscopic studies on short-term preserved corneae (author's transl)] Waller WK, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):121–31, 14 Apr 76 (Eng. Abstr.) **(Ger)**

[The protective effect of hydroxyethylstarch (HES) in the cryoconservation of bone marrow of the mouse and of man (author's transl)] Schaefer UW, et al. **Anaesthesist** 24(12):505–6, Dec 75 (Eng. Abstr.) **(Ger)**

[Persistence of sex chromatin in cell nuclei of internal organs during preservation under various conditions] Michailov R. **Beitr Gerichtl Med** 32:301–4, 1974 (Eng. Abstr.) **(Ger)**

[Use of allogenous bones obtained under non-sterile conditions in orthopedics and traumatology] Mschwidobadse MW. **Beitr Orthop Traumatol** 22(6):323–30, Jun 75 **(Ger)**

[Biological value of homostatically preserved bone implants and regenerative capabilities of the organism] Wellmitz G. **Beitr Orthop Traumatol** 22(12):699–700, Dec 75 **(Ger)**

[Investigation of the state of the cell membrane and the mechanism of autolysis of the cornea in the process of conservation (author's transl)] Trawkin AG, et al. **Klin Monatsbl Augenheilkd** 167(1):84–7, Jul 75 (Eng. Abstr.) **(Ger)**

[Effect of temperature on heart preservation over 24 hours] Stockmann U. **Langenbecks Arch Chir** Suppl:99–102, 1975 (Eng. Abstr.) **(Ger)**

[Clinical and experimental studies on the transplantation of preserved tendons] Voorhoeve A, et al. **Langenbecks Arch Chir** Suppl:273–5, 1975 (Eng. Abstr.) **(Ger)**

[The influence of ischemia and perservation on the condition of arterial system of kidney transplantant. microangiographic examinations (part 2) (author's transl)] Amosov IS, et al. **Radiol Diagn (Berl)** 15(5):633–9, 1974 (Eng. Abstr.) **(Ger)**

[The influence of ischemia and preservation on the condition of arterial system of kidney transplant. Microangiographic examinations. Part 1: Method of examination and normal kidney (author's transl)] Amosov IS, et al. **Radiol Diagn (Berl)** 15(5):625–31, 1974 (Eng. Abstr.) **(Ger)**

[Different ultrastructure of the right and left myocardium after preservation for 24 hours (author's transl)] Stockmann U, et al. **Thoraxchirurgie** 24(2):133–6, Apr 76 (Eng. Abstr.) **(Ger)**

[Method of determination of the loss of valency in bone transplants due to conservation (author's transl)] Veihelmann D, et al. **Unfallheilkunde** 79(7):305–8, Jul 76 (Eng. Abstr.) **(Ger)**

[Significance of LDH determination in renal perfusions as criterion of vitality in kidney transplantations (author's transl)] Zinsmeyer J, et al. **Urol Int** 30(5):362–8, 1975 (Eng. Abstr.) **(Ger)**

[Scintigraphic functional analysis with the gamma camera during renal perfusion (author's transl)] Fischer D, et al. **Urologe [A]** 15(1):50–4, Jan 76 (Eng. Abstr.) **(Ger)**

[Light- and electron microscopy studies on dura transplants preserved with solvents in animal experiment] Stöss H, et al. **Verh Dtsch Ges Pathol** 59:569, 1975 **(Ger)**

[Transplantation and the diagnosis of death] Schumann K. **Zentralbl Chir** 100(7):427–30, 1975 **(Ger)**

[Simplified technic for freezing lymphocytes] Belvedere MC, et al. **Ann Osp Maria Vittoria Torino** 17(1–6):31–6, Jan–Jun 74 **(Ita)**

[Survival of human amniotic cells cooled to very low temperature with various cryoprotective agents and various cooling rates] Bottari M, et al. **Atti Accad Med Lomb** 27(1–4):141–5, 1972 **(Ita)**

[Studies on the cryopreserved cornea—histological observations of grafted corneal endothelium (author's transl)] Kimura C. **Acta Soc Ophthalmol Jpn** 79(7):627–33, 10 Jul 75 (Eng. Abstr.) **(Jpn)**

[Preservation of living organs in vitro] Holland RI. **Nor Tannlaegeforen Tid** 85(9):357–61, Oct 75 **(Nor)**

[Morphological and cytochemical aspects of the canine kidney preserved in an artificial 'cytoplasmic' solution under hypothermic conditions] Cotuțiu C, et al. **Rev Chir [Chir]** 23(8):707–19, Sep–Oct 74 (Eng. Abstr.) **(Rum)**

[Preservation of rat liver using prolonged perfusion with a complex solution lacking hemoglobin] Toader C, et al. **Rev Chir [Chir]** 25(1):19–26, Jan–Feb 76 (Eng. Abstr.) **(Rum)**

[Structure and function of the microcirculatory bed in the preserved heart] Tikhomirov AN, et al. **Arkh Anat Gistol Embriol** 69(11):47–52, Nov 75 (Eng. Abstr.) **(Rus)**

[Dynamics of the amino acid composition of the medium during cultivation of isolated organs by the directed perfusion method] Barashkov VA, et al. **Biull Eksp Biol Med** 80(7):36–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Supramolecular changes in preserved corneal tissue exposed to alpha-tocopherol] Travkin AG, et al. **Biull Eksp Biol Med** 80(7):38–41, Jul 75 (Eng. Abstr.) **(Rus)**

[Role of electrolytes in the evaluation of heart viability during preservation] Berezov VP, et al. **Eksp Khir Anesteziol** (4):6–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Study of the vital activity of isolated sternum during artificial circulation and conditions of cardio-pulmonary complex] Demidov VP, et al. **Eksp Khir Anesteziol** (2):17–21, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Evaluation of viability of preserved rat heart after intraperitoneal transplantation] Nersisian RK, et al. **Eksp Khir Anesteziol** (4):9–12, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Evaluation of the degree of preservation of the processes of vital activity in a preserved testis] Saburova LM, et al. **Eksp Khir Anesteziol** (2):34–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Comparative studies of cold sterilization of transplantation tissues] Ventsel' K, et al. **Khirurgiia (Mosk)** (2):101–3, Feb 76 (Eng. Abstr.) **(Rus)**

[Histoenzymological study of the tissues of the human cornea during the process of their preservation] Cherednichenko VM, et al. **Oftalmol Zh** 30(7):534–5, 1975 (Eng. Abstr.) **(Rus)**

[Preservation of the cornea in the light of cytological studies] Eroshevskii TI, et al. **Oftalmol Zh** 30(6):416–9, 1975 (Eng. Abstr.) **(Rus)**

[Differentiation and maturation of the stem cells of preserved bone marrow] Danilova LA, et al. **Probl Gematol Pereliv Krovi** 20(9):27–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Long-distance transportation of preserved donor and cadaveric bone marrow] Lavrik SS, et al. **Probl Gematol Pereliv Krovi** 19(2):58–61, Feb 74 **(Rus)**

[Use of combined cryophylactic solution for refrigeration of bone marrow cells] Shishkina ID, et al. **Probl Gematol Pereliv Krovi** 20(9):29–31, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of exogenous nucleic acids on the repopulation activity of deconserved bone marrow] Chebotarev EE, et al. **Tsitol Genet** 9(6):546–50, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of a series of perfusion methods for preserving the kidney] Bilenko MV, et al. **Vestn Akad Med Nauk SSSR** (7):61–70, 1975 (Eng. Abstr.) **(Rus)**

[Mitochondrial respiration in the cortical substance of kidneys preserved at an oxygen pressure of 4 ata with plasma perfusion and without perfusion] Eliseeva SV, et al. **Vestn Akad Med Nauk SSSR** (7):78–82, 1975 (Eng. Abstr.) **(Rus)**

[State of the glutathione-dependent pathway of peroxide breakdown by the preserved kidney] Gerasimov AM, et al. **Vestn Akad Med Nauk SSSR** (7):70–4, 1975 (Eng. Abstr.) **(Rus)**

[Transporting bone marrow preserved by freezing] Kholodnyi AIa, et al. **Voen Med Zh** (3):23–7, Mar 76 **(Rus)**

[Functional and morphologic examination of dog kidneys following preservation by means of hyperosmotic solution (author's transl)] Röth, et al. **Bratisl Lek Listy** 65(3):278–89, Mar 76 (Eng. Abstr.) **(Slo)**

[Comparative study of two methods of transferring the beating heart in heterotopic transplantation (author's transl)] Styk J, et al. **Bratisl Lek Listy** 65(3):299–305, Mar 76 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Corneal holder. Slappey TE. **Am J Ophthalmol** 80(3 Pt 2):551–2, Sep 75

Development of a portable renal preservation unit. Fitzgerald P, et al. **Bull Soc Int Chir** 34(1):43–7, 1975

Preservation of synaptic structure by rapid freezing. Heuser JE, et al. **Cold Spring Harbor Symp Quant Biol** 40:17–24, 1975

Brain chopping: a new method for the rapid removal of newborn rat brain. McCandless DW, et al. **Experientia** 32(5):669–71, 15 May 76

Air embolization during the machine preservation of kidney. Eslami H, et al. **Surgery** 79(3):356–9, Mar 76

[A new organ perfusion system: Successful preservation of kidney function for 72 hrs (author's transl)] Grundmann R, et al. **Langenbecks Arch Chir** 338(4):299–314, 10 Sep 75 **(Ger)**

METHODS

Influence of the preservation technique on the early function of the kidney after reimplantation. Michielsen P, et al. **Adv Nephrol** 4:187–201, 1974

The endothelial function of donor corneas: effects of delayed enucleation and refrigeration. Breslin CW, et al. **Am J Med Sci** 272(1):732–9, Jul–Aug 76

Corneal water and electrolyte content following storage in moist chamber and MK medium. Hull DS, et al. **Am J Med Sci** 272(1):778–80, Jul–Aug 76

Effects of mechanical agitation on endothelial function of preserved corneas. Perlmutter MI, et al. **Am J Med Sci** 272(1):774–7, Jul–Aug 76

Corneal preservation using M-K medium. Aquavella JV, et al. **Am J Ophthalmol** 80(5):791–9, Nov 75

Renal autograft survival after perfusion and hypothermic storage in a hyperosmolar high potassium-containing solution. Curtis JJ, et al. **Am Surg** 41(11):745–52, Nov 75

Influence of different histologic preparation methods on preservation of tissue antigens in the immunofluorescent

antibody technique. Arnold W, et al. **Ann NY Acad Sci** 254:27–34, 30 Jun 75

In situ preservation of cadaver kidneys for transplantation: laboratory observations and clinical application. Garcia-Rinaldi R, et al. **Ann Surg** 182(5):576–84, Nov 75

Pancreaticoduodenal preservation by hypothermic pulsatile perfusion for twenty-four hours. Tersigni R, et al. **Ann Surg** 182(6):743–8, Dec 75

Evaluation of the McCarey-Kaufman technique of corneal storage. Breslin CW, et al. **Arch Ophthalmol** 94(9):1545–51, Sep 76

Preservation of canine small bowel by freezing. Guttman FM, et al. **Arch Surg** 111(3):260–2, Mar 76

Forty-eight-hour kidney preservation. A comparison of flushing and ice storage with perfusion. Halasz NA, et al. **Arch Surg** 111(2):175–7, Feb 76

The cryopreservation of leukaemia cells: morphological and functional changes. Lowenthal RM, et al. **Br J Haematol** 66(3):105–17, Sep 76

Perfusion in the experimental preservation of the rat heart. Agrawall LS, et al. **Br J Surg** 63(7):508–11, Jul 76

Proceedings: Preservation of isolated pancreatic islets. Ferguson J, et al. **Br J Surg** 63(2):152, Feb 76

Proceedings: Renal preservation for transplantation, or bench surgery of the kidney. Drummond JM. **Br J Urol** 48(2):156, Apr 76

Haemodynamic studies during short-term preservation of the autoperfusing heart-lung preparation. Cooper DKC. **Cardiovasc Res** 9(6):753–63, Nov 75

Tissue culture, protein and collagen synthesis in antibiotic sterilized canine heart valves. McGregor CG, et al. **Cardiovasc Res** 10(3):389–93, May 76

The assessment of renal preservation by normothermic bloodless perfusion. Fuller BJ, et al. **Cryobiology** 13(2):177–84, Apr 76

Renal preservation by hypothermic perfusion. III. The lack of influence of pulsatile flow. Pegg DE, et al. **Cryobiology** 13(2):161–7, Apr 76

Isolation and long term preservation of pancreatic islets from mouse, rat and guinea pig. Ferguson J, et al. **Diabetologia** 12(2):115–21, May 76

Regeneration in vitro of previously frozen adult mouse and human striated muscle coupled with fetal spinal cord. Liveson JA, et al. **Exp Neurol** 48(3 Pt 1):624–36, Sep 75

Freeze preservation of squirrel monkey sperm for use in timed fertilization studies. Denis LT, et al. **Fertil Steril** 27(6):723–9, Jun 76

Fertilisation, early development and storage of mammalian ova in vitro. pp. 1–24. Whittingham DG. **In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974.**

Renal preservation: experimental and clinical aspects. pp. 117–24. Belzer FO. **In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.**

Qualitative assessment of acoustical properties in preserved human tympanic membranes. Raghavan MV, et al. **Indian J Med Res** 63(7):954–60, Jul 75

Scanning electron microscopy of postoperative M-K and moist chamber-stored corneas. Meyer RF, et al. **Invest Ophthalmol** 15(4):260–6, Apr 76

Maintenance of insulin release from pancreatic islets stored in the cold for up to 5 weeks. Frankel BJ, et al. **J Clin Invest** 57(1):47–52, Jan 76

Clearing of teeth for study and demonstration of pulp. Tagger M. **J Dent Educ** 40(3):172–4, Mar 76

Preservation of specific fluorescence by sealing with nail polish. Soltani K, et al. **J Invest Dermatol** 66(5):332, May 76

Transport and storage of human teeth in vitro for autotransplantation and replantation. Kristerson L, et al. **J Oral Surg** 34(1):13–8, Jan 76

Viability of horse embryos after storage and long-distance transport in the rabbit. Allen WR, et al. **J Reprod Fertil** 47(2):387–90, Jul 76

Low temperature preservation of rabbit embryos. Whittingham DG, et al. **J Reprod Fertil** 47(2):269–74, Jul 76

Deep freezing of sheep embryos. Willadsen SM, et al. **J Reprod Fertil** 46(1):151–4, Jan 76

The effect of furosemide on 24-hour hypothermic renal preservation. Chatterjee SN, et al. **J Surg Res** 19(6):357–9, Dec 75

Comparison of Sacks II solution and modified Collins solution (Ursol) in simple cold preservation of canine kidneys. Khuri FJ, et al. **J Surg Res** 19(6):361–5, Dec 75

Dialysis and ultrafiltration techniques for isolated sheep heart symbiosis with a living organism. beneficial effect in hypothermic (13 degrees C) perfusion. Suaudeau J, et al. **J Surg Res** 21(3):175–84, Sep 76

Effective preservation and transportation of lung transplants. Veith FJ, et al. **J Thorac Cardiovasc Surg** 72(1):97–105, Jul 76

A simple method for embedding anatomical specimens. Grimsrud OK, et al. **Neuroradiology** 10(3):143–5, 19 Dec 75

Long-term function of cadaver kidneys perfused with a plasminogen-fibrinogen free plasma perfusate. Candie RM, et al. **Proc Clin Dial Transplant Forum** 5:33–5, Nov 75

Effects of low temperature preservation on metabolite levels of dog renal cortex. Cunarro JA, et al. **Proc Clin Dial Transplant Forum** (4):196–200, 1974

Human cadaver kidney preservation using hypothermic hyperosmolar, intracellular washout solution. Diethelm AG, et al. **Proc Clin Dial Transplant Forum** 5:26–32, Nov 75

Preservation of pediatric kidneys for transplantation. Ivanovich P, et al. **Proc Clin Dial Transplant Forum** 1:89–92, 1971

The Stewart-Peters organ bank: clinical application to cadaver renal transplantation. Johnson H, et al. **Proc Clin Dial Transplant Forum** 2:89–92, 1972

Physiologic evaluation of the cadaver renal allograft. McCabe RE Jr, et al. **Proc Clin Dial Transplant Forum** 1:73–9, 1971

Clinical kidney preservation results with a silica gel fraction of plasma. Toledo-Pereyra LH, et al. **Proc Clin Dial Transplant Forum** (4):193–5, 1974

Changes of renal ATPase enzymes in different types of kidney preservation. Varkarakis MJ, et al. **Proc Eur Dial Transplant Assoc** 11:294–9, 1975

The current status of sub-zero organ preservation. Hobbs KE. **Proc R Soc Med** 68(5):290, May 75

Canine renal preservation for 24–72 hours using intracellular solutions. Aguilo JJ, et al. **Rev Surg** 32(5):371–4, Sep-Oct 75

The importance of perfusate content of free fatty acids for dog kidney preservation. Slaattelid O, et al. **Scand J Clin Lab Invest** 36(3):239–45, May 76

A glutaraldehyde/potassium dichromate tracing method for the localization and preservation of abdominal extra-adrenal chromaffin tissues. Mascorro JA, et al. **Stain Technol** 50(6):391–6, Nov 75

In vivo canine renal perfusion: lactated Ringer's vs Collins and Sacks solutions prior to short-term renal ischemia. Cerny JC, et al. **Surg Forum** 26:586–9, 1975

Structural injury produced by pulsatile perfusion vs cold storage renal preservation. Cerra FB, et al. **Surg Forum** 26:313–5, 1975

Graft survival of perfused vs nonperfused cadaver kidneys. Cho SI, et al. **Surg Forum** 26:351–2, 1975

Forty-eight-hour ice storage of kidneys: importance of flush solution cation content. Collins GM, et al. **Surg Forum** 26:337–8, 1975

Twenty-four-hour preservation and transplantation of the lung without functional impairment. Crane R, et al. **Surg Forum** 26:111–3, 1975

Value of lysosomal enzymes in canine liver preservation. Smeesters C, et al. **Surg Forum** 26:431–3, 1975

Endocrine and exocrine functional viability of preserved and transplanted pancreaticoduodenal allografts. Tersigni R, et al. **Surg Forum** 26:456–8, 1975

Successful 24-hr ischemic cardiac preservation using a few hyperosmolar perfusate. Thomas FT, et al. **Surg Forum** 26:253–5, 1975

Cryopreservation of venous homografts. Weber TR, et al. **Surg Forum** 26:291–3, 1975

Short term hypothermic perfusion for intestinal preservation with dimethyl sulfoxide. Braun P, et al. **Surg Gynecol Obstet** 143(1):43–50, Jul 76

Hypothermic storage of the canine kidney for 48 hours in a low chloride solution. Schloerb PR, et al. **Surg Gynecol Obstet** 141(4):545–8, Oct 75

Post-transplant function of cadaver kidneys preserved with plasma perfusate containing antidonor antibody. Cho SI, et al. **Surgery** 78(4):472–5, Oct 75

Forty-eight hour ice storage of kidneys: importance of cation content. Collins GM, et al. **Surgery** 79(4):432–5, Apr 76

Use of plasma protein fraction in preservation of cadaveric kidneys. Mendez-Picon G, et al. **Surgery** 79(4):364–9, Apr 76

Orthotopic liver transplantation after preservation without perfusion for up to six hours: A controlled trial evaluating different preservation fluids in dogs and pigs. Schalm SW, et al. **Surgery** 78(5):637–43, Nov 75

Effects of methylprednisolone, glucagon, and allopurinol in the protection of pancreaticoduodenal allografts perfused for twenty-four hours. Tersigni R, et al. **Surgery** 78(5):599–607, Nov 75

Tissue culture preservation of human and rabbit corneas. Civiletto SE. **Tex Med** 71(9):98–102, Sep 75

In vitro perfusion of human reproductive organs. Tojo S, et al. **Thromb Res** 8(2 suppl):149–58, May 76

Tissue banking in the U.S.S.R. Cohen E. **Transplant Proc** 8(2 Suppl 1):39–42, Jun 76

Tissue banking in England. Dexter F. **Transplant Proc** 8(2 Suppl 1):43–8, Jun 76

Current status of kidney freeze preservation. Filo RS, et al. **Transplant Proc** 8(2 Suppl 1):215–21, Jun 76

Tissue banking in Czechoslovakia. Klen R. **Transplant Proc** 8(2 Suppl 1):49–51, Jun 76

Principles of freeze-drying. MacKenzie AP. **Transplant Proc** 8(2 Suppl 1):181–8, Jun 76

Eye banking in the United States. McTigue JW. **Transplant Proc** 8(2 Suppl 1):63–5, Jun 76

University of Miami Tissue Bank: collection of postmortem tissues for clinical use and laboratory investigation. Malinin TI. **Transplant Proc** 8(2 Suppl 1):53–8, Jun 76

Kidney preservation: perfusion versus cold storage–1975. Opelz G, et al. **Transplant Proc** 8(1):121–5, Mar 76

Freeze-drying for the preservation of human tissues. Perry VP. **Transplant Proc** 8(2 Suppl 1):189–92, Jun 76

Superiority of perfusion to Sacks' solution for twenty-four hour kidney preservation. Burleson RL, et al. **Transplantation** 21(2):168–70, Feb 76

The integrity of tubular cell function after preservation in Collins' or Sacks' solution. Dahlager JI, et al. **Transplantation** 21(5):365–9, May 76

The rat kidney as a model for the study of preservation methods. Maki T, et al. **Transplantation** 20(2):170–2, Aug 75

Kidney preservation using combinations of Belzer and Collins techniques. Milner J, et al. **Transplantation** 20(4):278–80, Oct 75

72-hr canine kidney preservation without continuous perfusion. Ross H, et al. **Transplantation** 21(6):498–501, Jun 76

Evaluation of Sacks solution for hypothermic preservation of kidneys. Welch LT, et al. **Urology** 6(5):559–61, Nov 75

[Comparative studies of some methods of freezing bull sperm] Kalev G, et al. **Vet Med Nauki** 12(4):16–22, 1975 (Eng. Abstr.) **(Bul)**

[Study of the effectiveness of some new agents for the deep freezing of bull sperm] Stoianov T, et al. **Vet Med Nauki** 12(10):3–9, 1975 **(Bul)**

[Insemination with frozen sperm] Wildschut J, et al. **Ned Tijdschr Geneeskd** 120(13):558–61, 27 Mar 76 (Eng. Abstr.) **(Dut)**

[Deep-freezing semen of stallions (author's transl)] van der Holst W. **Tijdschr Diergeneeskd** 100(12):654–61, 15 Jun 75 (Eng. Abstr.) **(Dut)**

[Comparison of freezing of human and bovine sperm. Application to the technic of freezing human sperm in fine straws] Emperaire JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):707–19, Sep 73 (Eng. Abstr.) **(Fre)**

[Freezing of normal human sperm] Emperaire JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):215–22, Mar 74 (Eng. Abstr.) **(Fre)**

[Freezing of bone marrow] Gorin NC, et al. **Rev Fr Transfus Immunohematol** 18(3):289–300, Sep 75 (55 ref.) **(Fre)**

[Current possibilities of corneal preservation] Bigar F, et al. **Ophthalmologica** 172(2–3):93–100, 1976 **(Ger)**

[Bone-marrow preservation without loss of vitality] Schaefer UW, et al. **Verh Dtsch Ges Inn Med** 81:1131–3, 1975 **(Ger)**

[Experimental studies on heart preservation and viability test with a heart-lung preparation—parallel circuits for heart preservation and viability testing] Kitamura N. **J Jpn Assoc Thorac Surg** 24(1):36–46, 10 Jan 76 (Eng. Abstr.) **(Jpn)**

[Viability of the myocardium preserved by cooling and perfusion with modified Krebs' solution; experimental technics and studies of its condition at resuscitation after 120 minutes of anoxic arrest] Kawakami T, et al. **Jpn J Thorac Surg** 29(1):27–33, Jan 76 (Eng. Abstr.) **(Jpn)**

[Subcutaneous preservation of free skull bone flap taken out in decompressive craniectomy (author's transl)] Nakajima T, et al. **Neurol Surg (Tokyo)** 3(11):925–7, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Temporary hepatic assistance. VI. Comparison of perfusion of isolated porcine liver with homologous blood and human blood. Perfusion characteristics and hepatocellular preservation] Mies S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):474–83, Nov-Dec 75 (Eng. Abstr.) **(Por)**

[Preservation of human lymphocytes in liquid nitrogen for the purpose of organ transplantation] Popa IP, et al. **Rev Chir [Chir]** 25(2):133–6, Mar-Apr 76 (Eng. Abstr.) **(Rum)**

[Formalin-free method of preserving endocrine glands of the branchiogenous group (thyroid, parathyroid and thymus)] Voïner RA, et al. **Arkh Anat Gistol Embriol** 69(10):111–4, Oct 75 (Eng. Abstr.) **(Rus)**

[The possibility of using a helium-oxygen medium for preservation of isolated organs] Ter-Minasova NN, et al. **Eksp Khir Anesteziol** (2):55–7, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Heart preservation by means of hypothermia and hyperbaric oxygenation] Usvatova IIa, et al. **Kardiologiia** 16(1):124–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Transorgan gas perfusion as a means of prolonging kidney preservation time] Asoian GA, et al. **Vestn Akad Med Nauk SSSR** (2):63–7, 1975 (Eng. Abstr.) **(Rus)**

[Study of the accumulation of sodium by the cells of the cortical substance of the kidney and the erythrocytes under various conditions storage] Bilenko MV, et al. **Vestn Akad Med Nauk SSSR** (12):57–62, 1975 (Eng. Abstr.) **(Rus)**

[Preservation of tendon tissue in hordecin solution] Beringer IuV, et al. **Vestn Khir** 114(4):60–3, Apr 75 (Eng. Abstr.) **(Rus)**

[Thermal treatment of autodermic implants] Ianov VN. **Vestn Khir** 114(9):90–1, Sep 75 **(Rus)**

[Use of deep freezing of tissues for morphological studies] Krasnikov GA, et al. **Veterinariia** (5):116–7, May 75 **(Rus)**

[Preservation of tissue culture cells by deep freezing] Zaliubovskaia NP, et al. **Vopr Virusol** (6):734–8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Step-by-step preservation of homologous bone in a weak solution of formalin] Gaevskiĭ VA, et al. **Zh Ushn Nos Gorl Bolezn** (2):100–1, Mar-Apr 76 **(Rus)**

TISSUE SURVIVAL

Tooth mortality and endodontic status of a selected population group. Observations before and after treatment.

Molven O. **Acta Odontol Scand** 34(2):107–16, 1976

Fresh and cultured thyroid gland: survival and function after implantation. Raaf JH, et al. **Ann Surg** 183(2):146–56, Feb 76

Evaluation of the McCarey–Kaufman technique of corneal storage. Breslin CW, et al. **Arch Ophthalmol** 94(9):1545–51, Sep 76

Cadaver storage time. An important factor in donor cornea survival. McKinnon JR, et al. **Arch Ophthalmol** 94(2):217–20, Feb 76

The viability of triangular skin flaps. Stell PM, et al. **Br J Plast Surg** 28(4):247–50, Oct 75

The siting of comparable skin flaps in pigs. Stell PM, et al. **Br J Plast Surg** 29(1):16–8, Jan 76

Failure of free muscle grafts in dogs. Watson AC, et al. **Br J Plast Surg** 29(1):27–33, Jan 76

Prediction of kidney viability before transplantation. Baxby K, et al. **Br J Surg** 62(10):810–2, Oct 75

Assessment of a test of renal viability. Williams G, et al. **Br Med J** 2(6027):75–7, 10 Jul 76

Viability in human heart valves prepared for grafting. McGregor CG, et al. **Cardiovasc Res** 10(3):394–7, May 76

Amnion autografts, permanent structure. Trelford JD, et al. **J Med** 6(3–4):243–7, 1975

Influence of rejection on graft survival after renal transplantation. Lytton B, et al. **J Urol** 116(3):300–3, Sep 76

Lack of effect of skin cycle on survival of experimental skin flaps in rats. Myers B, et al. **Plast Reconstr Surg** 57(5):650–2, May 76

In vitro test of heart muscle viability. Carstensen HE. **Scand J Thorac Cardiovasc Surg** 9(3):200–5, 1975

Prognostic value of HL–A typing and mixed lymphocyte culture tests in kidney transplantations from living related donors. Ringdén O, et al. **Scand J Urol Nephrol** (29 Suppl):15–8, 6–7 Mar 75

Influence of HLA matching on kidney graft survival. Thorsby E, et al. **Scand J Urol Nephrol** (29 Suppl):7–10, 6–7 Mar 75

Orthotopic liver transplantation after preservation without perfusion for up to six hours: A controlled trial evaluating different preservation fluids in dogs and pigs. Schalm SW, et al. **Surgery** 78(5):637–43, Nov 75

Perfusion time and the survival of cadaver transplants. Toledo–Pereyra LH, et al. **Surgery** 79(4):377–83, Apr 76

Donor age and cumulative kidney graft survival. Solheim BG, et al. **Tissue Antigens** 7(4):251–3, Apr 76

Survival times of skin and kidney grafts within different canine species in relation to their genetic markers. Hammer C, et al. **Transplant Proc** 7(3):439–47, Sep 75

[Survival time of removed tissue] **Acta Histochem (Jena)** SUPPL 13:25–7, 1973 **(Ger)**

[Significance of LDH determination in renal perfusions as criterion of vitality in kidney transplantations (author's transl), Zinsmeyer J, et al. **Urol Int** 30(5):362–8, 1975 (Eng. Abstr.) **(Ger)**

[Experimental studies on heart preservation and viability test with a heart–lung preparation—parallel circuits for heart preservation and viability testing] Kitamura N. **J Jpn Assoc Thorac Surg** 24(1):36–46, 10 Jan 76 (Eng. Abstr.) **(Jpn)**

[Temporary hepatic assistance. VII. Comparison of isolated swine liver perfusion with homologous and human blood. Functional evaluation] Mies S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(1):39–46, Jan–Feb 76 (Eng. Abstr.) **(Por)**

[Study of the vital activity of isolated sternum during artificial circulation and conditions of cardio–pulmonary complex] Demidov VP, et al. **Eksp Khir Anesteziol** (2):17–21, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Ways and possibilities for the biochemical assessment of the viability of organs in acute ischemia] Sabourova LM, et al. **Vestn Akad Med Nauk SSSR** (7):46–51, 1975 (Eng. Abstr.) **(Rus)**

[Viability of ear ossicle homografts] Rodin VI, et al. **Vestn Otorinolaringol** (3):41–5, May–Jun 74 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Prolongation of skin graft survival by sodium–copper–chlorophyllin. Inhibition of the first– and second–set phenomenon. Clarenz P, et al. **Eur Surg Res** 8(2):148–55, 1976

Influence of the properties of skin allografts on the 'graft survival promoting effect' of antilymphocyte serum. Nouza K, et al. **Folia Biol (Praha)** 22(2):74–81, 1976

The effect of furosemide on 24–hour hypothermic renal preservation. Chatterjee SN, et al. **J Surg Res** 19(6):357–9, Dec 75

Effect of phentolamine and propranolol on the survival of experimental skin flaps. Jonsson CE, et al. **Scand J Plast Reconstr Surg** 9(2):98–100, 1975

Prolongation of allograft and xenograft survival by pretreatment with prednisolone and donor–specific antigen. Lie TS. **Surg Gynecol Obstet** 143(3):369–75, Sep 76

Effects of methylprednisolone, glucagon, and allopurinol in the protection of pancreaticoduodenal allografts perfused for twenty–four hours. Tersigni R, et al. **Surgery** 78(5):599–607, Nov 75

[Effect of antilymphocyte serum on the antigen–binding cells of the blood and the survival of skin grafts] Dinoeva S. **Eksp Med Morfol** 15(2):89–95, 1976 (Eng. Abstr.) **(Bul)**

RADIATION EFFECTS

Proceedings: The relationship between iso–effect dose and overall irradiation time in an organized tissue. Liversage WE, et al. **Br J Radiol** 48(576):1045, Dec 75

TISSUE THERAPY

Immunotherapy of human leukemia with neuraminidase–modified cells. Holland JF, et al. **Med Clin North Am** 60(3):539–49, May 76

Modified tumor cells in the immunotherapy of solid mammary tumors. Simmons RL, et al. **Med Clin North Am** 60(3):551–65, May 76

[Letter: 'Basis therapy' and especially 'cell therapy' in Down's syndrome] Betke K, et al. **Monatsschr Kinderheilkd** 123(9):667–71, Sep 75 **(Ger)**

[Letter: Comment on indication for fresh or sicca–cell therapy of mongolism from the pediatric–endocrinologic viewpoint] Bierich JR. **Monatsschr Kinderheilkd** 123(9):671–4, Sep 75 **(Ger)**

[Letter: Comment on cell therapy in children with special reference to pediatric–metabolic problems] Bremer HJ. **Monatsschr Kinderheilkd** 123(9):674–5, Sep 75 **(Ger)**

[Letter: Comment on fresh–cell therapy of children with special reference to Down's syndrome and other cerebral damages] Hitzig WH. **Monatsschr Kinderheilkd** 123(9):676–8, Sep 75 **(Ger)**

[Letter: Comment on therapy of Down's syndrome, especially on cell therapy from the neurophysiological/neuropediatric viewpoint] Schulte FJ. **Monatsschr Kinderheilkd** 123(9):683–5, Sep 75 **(Ger)**

TISSUE TYPING see **HISTOCOMPATIBILITY TESTING**

TITANIUM

Electron microprobe analysis of particle deposited in lungs. Ferin J, et al. **Arch Environ Health** 31(2):113–5, Mar–Apr 76

Dredge mining for rutile—effects on water quality. pp. 249–51. Herbert R.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

The influences of electrical potential and surface finish on the fatigue life of surgical implant materials. Bapna MS, et al. **J Biomed Mater Res** 9(6):611–21, Nov 75

Biocompatibility studies on surgical–grade titanium–, cobalt–, and iron–base alloys. Lemons JE, et al. **J Biomed Mater Res** 10(4):549–53, Jul 76

Replamineform porous biomaterials for hard tissue implant applications. White EW, et al. **J Biomed Mater Res** 9(4):23–7, Jul 75

Hydrous titanium oxides—new supports for the simple immobilisation of enzymes. Kennedy JF, et al. **J Chem Soc [Perkin I]** (3):329–35, 1976

Treatment of mandibular fractures with use of malleable titanium mesh: report of 56 cases. Zallen RD, et al. **J Oral Surg** 34(8):748–54, Aug 76

Bone–titanium implant response to mechanical stress. Kydd WL, et al. **J Prosthet Dent** 35(5):567–71, May 76

Titanium cranioplasty in the repair of skull defects. Murdoch A. **Nurs Times** 72(37):1426–9, 16 Sep 76

Use of SrTiO3 prisms as dispersive elements in a dye ring laser. Marowsky G. **Rev Sci Instrum** 47(7):843–5, Jul 76

A porous titanium endoprosthesis for replacement of lost segments of long bones. Miller RA, et al. **Surg Forum** 26:506–8, 1975

[Titanium and steel in the bone surgery] Rüedi TP. **Hefte Unfallheilkd** (123):1–66, 1975 **(Ger)**

[Titanium, steel and their combination in bone surgery] Rüedi Th, et al. **Langenbecks Arch Chir** Suppl:395–8, 1975 (Eng. Abstr.) **(Ger)**

[Studies of the preparation and physical properties of multivalent metal condensed phosphates. VIII. Preparation of titanium phosphates and their acidic properties (author's transl)] Tsuhako M, et al. **J Pharm Soc Jpn** 95(12):1471–6, Dec 75 (Eng. Abstr.) **(Jpn)**

[Possibilities of using titanium to prepare 3–bladed osteosynthesis pins] Akhmerov KA. **Nov Med Priborostr** (4):8–10, 1973 **(Rus)**

[Titanium and zirconium in the blood and cerebrospinal fluid of patients with brain tumors] Shevaga VN. **Vrach Delo** (3):120–2, Mar 74 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Pulmonary deposits of titanium dioxide in cytologic and lung biopsy specimens. Light and electron microscopic x–ray analysis. Määttä K, et al. **Lab Invest** 33(3):342–6, Sep 75

ANALYSIS

Analytical guide: titanium dioxide titanium metal. **Am Ind Hyg Assoc J** 36(9):707–8, Sep 75

PHARMACODYNAMICS

Effects of titanium compounds on a D–glucose–D–glucose oxidase assay system. Kennedy JF, et al. **Carbohydr Res** 44(2):291–300, Nov 75

Effects of titanium tetrafluoride on human enamel. Wei SH, et al. **J Dent Res** 55(3):426–31, May–Jun 76

[Tissue reaction to an implant of a titanium hollow cylinder with a titanium surface spray layer] Schroeder A, et al. **Schweiz Monatsschr Zahnheilkd** 86(7):713–27, Jul 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Preliminary report on effect of topical applications of titanium tetrafluoride on dental caries. Reed AJ, et al. **J Dent Res** 55(3):357–8, May–Jun 76

[Titanium alloys for bone surgery] Sivash KM, et al. **Ortop Travmatol Protez** (7):71–3, Jul 75 **(Rus)**

TNT see **TRINITROTOLUENE**

TOADS

[Role of epithelial cells adjacent to dental columns in the dynamics of horny tooth cells in tadpoles of Alytes obstetricans Laurenti] Bourges M, et al. **C R Soc Biol (Paris)** 168(10–11–12):1335–9, 1974 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

[Ball cells and the structure of the epidermis of anuran larvae. I. Ascaphus truei Stejneger] Meyer M, et al. **Z Mikrosk Anat Forsch** 89(1):79–107, 1975 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Development of the thalamus in anurans during metamorphosis (author's transl)] Picouet MJ. **J Embryol Exp Morphol** 33(2):313–33, Apr 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Pathways for chloride and sodium transport across toad skin. Bruus K, et al. **Acta Physiol Scand** 97(1):31–47, Mar 76

Fat and glycogen utilization in the larynx Muscles of fire–bellied toads (Bombina bombina L.) during calling activity. Eichelberg H, et al. **Cell Tissue Res** 167(1):1–10, 5 Mar 76

Variation in the effects of antidiuretic hormone on the isolated skin of the toad, Scaphiopus couchi. Hillyard SD. **J Exp Zool** 195(2):199–206, Feb 76

[Immunofluorencence localization of secretions related to gonadotropic, corticotropic, melanotropic and somatotropic hormones in hypophysis of Nectophrynoides occidentalis] Zuber–Vogeli M, et al. **C R Acad Sci [D] (Paris)** 280(13):1595–8, 7 Apr 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Genetic variation in constant environments. Nevo E. **Experientia** 32(7):858–9, 1976

Development of the neck region and the ring during spermiogenesis of Discoglossus pictus (anuran amphibia). pp. 237–47. Sandoz D.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Mechanisms regulating ovarian function in amphibians (toads). pp 133–51. Jorgensen CB.
In: Peters H, ed. The development and maturation of the ovary and its functions. Amsterdam, Excerpta Medica, 1973. W3 EX89 no.267 1972.

[An experimental study of the influence of external factors on spermatogenesis and steroidogenesis of Nectophrynoides occidentalis Angel (author's transl)] Gavaud J. **J Physiol (Paris)** 70(5):549–59, Dec 75 (Eng. Abstr.) **(Fre)**

TOADSTOOLS see **MUSHROOMS**

TOBACCO

see related
NICOTINE
SMOKING

Respiratory response to tobacco dust exposure. Valić F, et al. **Am Rev Respir Dis** 113(6):751–5, Jun 76

Gas chromatography/mass spectrometric and nuclear magnetic resonance spectrometric studies of carcinogenic polynuclear aromatic hydrocarbons in tobacco and marijuana smoke condensates. Lee ML, et al. **Anal Chem** 48(2):405–16, Feb 76

High–pressure liquid chromatography of polynuclear aromatic hydrocarbons of cigarette smoke condensate. Haeberer AF, et al. **Anal Chim Acta** 80(2):303–9, Dec 75

Human subject experiments to estimate reentry periods for monocrotophos–treated tobacco. Guthrie FE, et al. **Arch Environ Contam Toxicol** 4(2):217–25, 1976

Induction of aryl hydrocarbon hydroxylase and carbon monoxide–binding hemoproteins in mouse epidermis by tobacco carcinogens. Norred WP, et al. **Biochem Pharmacol** 25(6):732–4, 15 Mar 76

Tobacco chewing in English coalminers (2). Malignant transformation in a tobacco–induced leukoplakia. Tyldesley WR. **Br J Oral Surg** 14(1):93–4, Jul 76

Changes of smoking habits and cough in men smoking cigarettes with 30% NSM tobacco substitute. Freedman S, et al. **Br Med J** 1(6023):1427–30, 12 Jun 76

Cigarette smoking in Latin America—A survey of eight cities. Joly DJ. **Bull Pan Am Health Organ** 9(4):328–44, 1975

Dietary nitrosamines. Cooper P. **Food Cosmet Toxicol** 14(3):205–6, Jun 76

A chemical study of burley tobacco flavour (Nicotiana tabacum L.) VI. Identification and synthesis of four irregular terpenoids related to solanone, including a 'prenylsolanone'. Demole E, et al. **Helv Chim Acta** 58(6):1602–7, 24 Sep 75

Effect of 'tobacco and lime on oral mucosa of rats' fed on vitamin B deficient diet. Gothoskar SV, et al. **Indian J Cancer** 12(4):424–9, Dec 75

Lesions by hepatitis–B antigen–containing sera in tobacco plants (Nicotiana tabaccum variety xanthi). Kelkar SS, et al. **Indian J Med Res** 63(8):1199–203, Aug 75

Experimental studies on betel nut and tobacco carcinogenicity. Ranadive KJ, et al. **Int J Cancer** 17(4):469–76, 15 Apr 76

Chemistry of tobacco constituents. Oxidation of alpha–ionone and the acid–catalyzed rearrangement of 5–keto–alpha–ionone. Davis DL, et al. **J Agric Food Chem** 24(1):187–9, Jan–Feb 76

Pyrolysis of chitin, a potential tobacco extender. Schlotzhauer WS, et al. **J Agric Food Chem** 24(1):177–80, Jan–Feb 76

A mechanism for tobacco smoke–induced allergy. Keller KF, et al. **J Allergy Clin Immunol** 57(3):278–82, Mar 76

The use of microwave heating to control insects in cigarette manufacture. Hirose T, et al. **J Microwave Power** 10(2):181–90, Jul 75

A study of tobacco carcinogenesis. XIII. Tumor–promoting subfractions of the weakly acidic fraction. Hecht SS, et al. **J Natl Cancer Inst** 55(6):1329–36, Dec 75

The relation of the clinical picture to the histopathology of snuff dipper's lesions in a Swedish population. Axell T, et al. **J Oral Pathol** 5(4):229–36, Jul 76

Artificial tobacco substitutes. Gori GB. **JAMA** 234(5):489–90, 3 Nov 75

Editorial: Tobacco substitutes and additives. **Lancet** 2(7927):217–8, 2 Aug 75

Acute effects of smoking tobacco and a tobacco substitute on lung function in man. Costello JF, et al. **Lancet** 2(7937):678–81, 11 Oct 75

Inhibition of DNA replicative synthesis and DNA repair synthesis in human and mouse cells in culture by cigarette smoke condensate fractions. Rasmussen RE. **Life Sci** 17(5):767–73, 1 Sep 75

Antiviral–anticancer activity of tobacco leaf and the smoke condensate. Furusawa E, et al. **Proc West Pharmacol Soc** 18:322–5, 1975

The effect of tobacco smoke and some of its constitutents on triglyceride secretion in the squirrel monkey. Turner DM, et al. **Res Commun Chem Pathol Pharmacol** 12(1):85–100, Sep 75

Stages in adolescent involvement in drug use. Kandel D. **Science** 190(4217):912–4, 28 Nov 75

Mouse dermal study of smoke condensate from 'Chemosol'–treated cigarettes. Gargus JL, et al. **Toxicol Appl Pharmacol** 33(3):568–74, Sep 75

Absence of carcinogenic effects of chronic feeding of snuff in inbred syrian hamsters. Homburger F, et al. **Toxicol Appl Pharmacol** 35(3):515–21, Mar 76

Effects of tobacco and tobacco smoke constituents on cell multiplication in vitro. Pilotti A, et al. **Toxicology** 5(1):49–62, Sep 75

[A case of acute tobacco poisoning by enema] Bele–Binda, et al. **Ann Anesthesiol Fr** 16(2):97–100, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Karyotype of Nicotiana tabacum L. artificial haploids] Gorenflot R, et al. **C R Acad Sci [D] (Paris)** 281(15):1097–100, 13 Oct 75 (Eng. Abstr.) **(Fre)**

[Genetic effects of the gaseous phase of cigarette smoke on Saccharomyces cerevisiae] Izard C, et al. **C R Acad Sci [D] (Paris)** 282(11):1141–3, 15 Mar 76 (Eng. Abstr.) **(Fre)**

[The history of tobacco alkaloids] Eiden F. **Pharm Unserer Zeit** 5(1):1–18, Jan 76 **(Ger)**

[Smoking, chronic airway disease and lung cancer (author's transl)] Beil M. **Prax Pneumol** 29(7):403–12, Jul 75 (Eng. Abstr.) **(Ger)**

[CO–content in the blood of furnace–battery workers in a modern coking plant. Simultaneously a contribution to the problem of CO–load due to tobacco smoking] Manz A, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 26(7):121–7, Jul 76 (Eng. Abstr.) **(Ger)**

[Allergic changes of the skin and mucous membranes in workers of the tobacco industry] Tulebaev RK, et al. **Vestn Dermatol Venerol** (7):63–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of tobacco powder on the embryonal development of rats] Kalantarova EG. **Zh Eksp Klin Med** 15(6):39–43, 1975 **(Rus)**

[Allergic diseases of the upper respiratory tract in workers of tobacco plantations] Tulebaev RK, et al. **Zh Ushn Nos Gorl Bolezn** (4):12–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Tobacco chemistry. 27. The structures of four stereoisomeric 8, 12x1–epoxylabd–14–en–13xl–ols isolated from Greek Nicotiana tabacum L. Aasen AJ, et al. **Acta Chem Scand [B]** 29(5):589–92, 1975

Tobacco Chemistry.29. (7S)–10–Oxo–4xi–methyl–7–isopropyl–5E–undecen–4–olid a New Thunbergan–type Nor–isoprenoid isolated from Greek Nicotiana tabacum L. Aasen AJ, et al. **Acta Chem Scand [B]** 29(6):677–81, 1975

Determination of N'–nitrosonornicotine in tobacco by high speed liquid chromatography. Hecht SS, et al. **Anal Chem** 47(12):2046–8, Oct 75

A possible chemical basis for the higher mutagenicity of marijuana smoke as compared to tobacco smoke. Novotny M, et al. **Experientia** 32(3):280–2, 15 Mar 76

N'–nitrosonornicotine in Japanese tobacco products. Bharadwaz VP, et al. **Gann** 66(5):585–6, Oct 75

Determination of carcinogens in tobacco smoke and coal–derived samples—trace polynuclear aromatic hydrocarbons. pp. 281–9. Kubota H, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Naturally occurring nitrosatable amines. II. Secondary amines in tobacco and cigarette smoke condensate. Singer GM, et al. **J Agric Food Chem** 24(3):553–5, May–Jun 76

Collaborative study of a spectrophotometric method for determining maleic hydrazide residues in tobacco and vegetables. Ihnat M, et al. **J Assoc Off Anal Chem** 58(6):1235–43, Nov 75

Duvatrienediols in cuticular wax of Burley tobacco leaves. Chang SY, et al. **J Lipid Res** 17(1):7–11, Jan 76

Proceedings: Nicotine–1'–N–oxide from species of Nicotiana. Phillipson JD, et al. **J Pharm Pharmacol** 27 Suppl?–2:88P, Dec 75

Letter: Contamination of cigarettes and pipe tobacco by cadmium–oxide dust. Piscator M, et al. **Lancet** 2(7985):587, 11 Sep 76

Editorial: Tar content of Australian cigarettes. **Med J Aust** 1(13):422, 27 Mar 76

ESR studies of cigarette tobacco, smoke, and ashes. Scott TW, et al. **Naturwissenschaften** 62(11):532–3, Nov 75

High–resolution gas chromatography/mass spectrometric analysis of tobacco and marijuana sterols. Novotny M, et al. **Steroids** 27(5):665–73, May 76

Mercury in cigarettes. Suzuki T, et al. **Tohoku J Exp Med** 119(4):353–6, Aug 76

Polyacrylamide disc electrophoresis of the soluble leaf proteins from Nicotiana tabacum var 'Samsun' and 'Samsun' NN. IV. Similarity of qualitiative changes of specific proteins after infection with diggerent viruses and their relationship to acquired resistance. Loon CL. **Virology** 67(2):566–75, Oct 75

[Isolation and characterization of native nuclear deoxyribonucleic acid from tobacco leaves] Temperli A, et al. **Helv Chim Acta** 58(5):1253–60, 16 Jul 75 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Influence of elevated temperatures on the isolation and proliferation of mesophyll protoplasts from PVX–and PVY–infected tobacco tissue. Shepard JF, et al. **Virology** 70(2):558–60, Apr 76

DRUG EFFECTS

[Effect of Sera containing hepatitis B (HB–ag) antigen upon Nicotiana silvestris (author's transl)] Jandásek L, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(5):287–8, Sep 75 (Eng. Abstr.) **(Cze)**

ENZYMOLOGY

Proceedings: RNA polymerase from tobacco necrosis virus infected an uninfected tobacco: purification of the membrane–associated enzyme and of the Y strain of TNV and its satellite. Fraenkel–Conrat H. **Ann Microbiol (Paris)** 127A(1):115–6, Jan 76

Some enzymes present in the walls of mesophyll cells of tobacco leaves. Yung KH, et al. **Biochem J** 151(1):141–4, Oct 75

RNA polymerase from tobacco necrosis virus infected and uninfected tobacco. Purification of the membrane–associated enzyme. Fraenkel–Conrat H. **Virology** 72(1):23–32, 1 Jul 76

[Cinnamic acid 4–hydroxylase and 0–methyltransferase activities in leaves of hypersensitive tobacco plants infected by tobacco mosaic virus] Kopp M, et al. **C R Acad Sci [D] (Paris)** 280(7):923–5, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Change of the peroxydase–isoenzym–pattern in callus cultures in dependance of the differentiation (author's transl)] Mäder M. **Planta Med** Suppl:153–62, 1975 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Sensitivity of tobacco to chromium from mechanical draft cooling tower drift. Parr PD, et al. **Atmos Environ** 10(6):421–3, 1976

IMMUNOLOGY

Hypersensitivity to tobacco antigen. Becker CG, et al. **Proc Natl Acad Sci USA** 73(5):1712–6, May 76

METABOLISM

Proceedings: Interaction of tobacco mosaic virus strains in doubly infected tobacco protoplasts. Otsuki Y, et al. **Ann Microbiol (Paris)** 127A(1):21, Jan 76

Identification by physical means of organic moieties of conjugates produced from carbaryl by tobacco cells in suspension culture. Locke RK, et al. **Arch Environ Contam Toxicol** 4(1):60–100, 1976

Pectin synthesis during the wall regeneration of plasmolysed tobacco leaf cells. Boffey SA, et al. **Biochem J** 150(3):433–40, Sep 75

Calculation of absolute rates of RNA synthesis, accumulation, and degradation in tobacco callus in vivo. Sutton DW, et al. **Biochemistry** 15(14):3135–7, 13 Jul 76

Uptake, translocation, and metabolism of tirpate in tobacco. Nicotiana tabacum. Hill JE, et al. **J Agric Food Chem** 23(6):1125–9, Nov–Dec 75

Viral RNA synthesis is renewed in protoplasts isolated from TMV–infected Xanthi tobacco leaves in an advanced stage of virus infection. Föglein FJ, et al. **Virology** 67(1):74–9, Sep 75

Viral RNA synthesis is renewed in protoplasts isolated from TMV–infected Xanthi tobacco leaves in an advanced stage of virus infection. Föglein FJ, et al. **Virology** 67(1):74–9, Sep 75

Sodium dodecyl sulphate–polyacrylamide–gel electrophoretic detection of two high molecular weight proteins associated with tobacco mosaic virus infection in tobacco. Scalla R, et al. **Virology** 69(1):339–45, Jan 76

MICROBIOLOGY

Host and virus specific RNA polymerases in alfalfa mosaic virus infected tobacco. Bol JF, et al. **Ann Microbiol (Paris)** 127A(1):183–92, Jan 76

Polyamino acid induced aphid transmission of plant viruses. Pirone TP, et al. **J Gen Virol** 29(3):257–66, Dec 75

Antagonistic effects of Trichoderma harzianum on Pythium aphanidermatum causing the damping–off disease of tobacco in Nigeria. Fajola AO, et al. **Mycopathologia** 57(1):47–52, 8 Dec 75

Effects of viral protein, viral RNA, and some other polyelectrolytes on infection of tobacco protoplasts by TMV. Zhuravlev YN, et al. **Virology** 73(2):454–60, Sep 76

Simultaneous transmission of broad bean wilt and cucumber mosaic viruses by single Myzus persicae (Sulz.). Makram MW, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):120–1, 1976

[Virus–free plants obtained by culture in vitro of anthers from tobacco plants infected by tobacco mosaic virus] Maia E, et al. **C R Acad Sci [D] (Paris)** 280(21):2505–8, 2 Jun 75 (Eng. Abstr.) **(Fre)**

[Tobacco mosaic virus and para–tobacco mosaic virus in cigarettes] Wetter C. **Naturwissenschaften** 62(11):533, Nov 75 **(Ger)**

[Preservation of phytopathogenic bacteria in tissue culture of Nicotiana tabacum] Muras VO, et al. **Mikrobiol Zh** 37(3):375–6, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Electron microscopic study of double infection induced by potato virus X and potato virus Y in Nicotiana glutinosa] Skofenko AO, et al. **Mikrobiol Zh** 37(2):191–3, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Obtaining of plants–regenerants from tobacco clone tissue and determination of their sensitivity to potato virus X] Zhuk IP, et al. **Mikrobiol Zh** 37(3):329–32, May–Jun 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

Inhibition of protein synthesis in cultured tobacco cells by ultraviolet radiation. Murphy TM, et al. **Photochem Photobiol** 21(4):219–25, Apr 75

ULTRASTRUCTURE

Peroxidases in tobacco abscission zone tissue. III. Ultrastructural localization in thylakoids and membrane–bound bodies of chloroplasts. Henry EW. **J Ultrastruct Res** 52(3):289–99, Sep 75

Elongated virus particles in plasmodesmata. Weintraub M, et al. **J Ultrastruct Res** 56(3):351–64, Sep 76

Fraction 1 protein crystals in chloroplasts of isolated tobacco leaf protoplasts: a thin–section and freeze–etch morphological study. Willison JH, et al. **J Ultrastruct Res** 55(3):303–11, Jun 76

TOBACCO MOSAIC VIRUS

Mechanism of assembly of tobacco mosaic virus in vitro. Okada Y. **Adv Biophys (Tokyo)** 7:1–41, 1975 (48 ref.)

Electric birefringence in concentrated solutions of tobacco mosaic virus. Asai H, et al. **Biopolymers** 15(2):383–92, Feb 76

Infinite–dilution viscoelastic properties of tobacco mosaic virus. Nemoto N, et al. **Biopolymers** 14(2):409–17, Feb 75

Length and dipole moment of TMV by laser signal–averaging transient electric birefringence. Newman J, et al. **Biopolymers** 15(2):301–15, Feb 76

Production of plant virus inhibitor by Phytolacca americana suspension culture. Misawa M, et al. **Biotechnol Bioeng** 17(9):1335–47, Sep 75

A study of the interaction of TMV protein with single– and double–stranded polynucleotides. Lanina TP, et al. **FEBS Lett** 67(2):167–70, 15 Aug 76

In vitro association of TMV RNA fragments with TMV protein. pp. 197–203. Guilley H, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

A new helical aggregate of tobacco mosaic virus protein. Mandelkow E, et al. **J Mol Biol** 102(2):265–85, 5 Apr 76

Letter: Hysteresis of proton binding to tobacco mosaic virus

protein associated with metastable polymerization. Scheele RB, et al. **J Mol Biol** 94(3):519–25, 25 May 75

The development of the virus concept as reflected in corpora of studies on individual pathogenslessons of the plant viruses--tobacco mosaic virus. Wilkinson L. **Med Hist** 20(2):111–34, Apr 76

The role of long range forces in ordered arrays of tobacco mosaic virus. Parsegian VA, et al. **Nature** 259(5545):632–5, 26 Feb 76

A genetic map for the cowpea strain on TMV. Beachy RN, et al. **Virology** 73(2):498–507, Sep 76

Stable dimers of the coat protein of a strain of tobacco mosaic virus. Oxelfelt P. **Virology** 69(1):346–9, Jan 76

The relationship between soil-borne wheat mosaic virus and tobacco mosaic virus. Powell CA. **Virology** 71(2):453–62, Jun 76

A messenger RNA for capsid protein isolated from tobacco mosaic virus-infected tissue. Siegel A, et al. **Virology** 73(2):363–71, Sep 76

Occurrence of short particles in beans infected with the cowpea strain of TMV. I. Purification and characterization of short particles. Whitfeld PR, et al. **Virology** 71(2):471–85, Jun 76

[Cinnamic acid 4-hydroxylase and 0-methyltransferase activities in leaves of hypersensitive tobacco plants infected by tobacco mosaic virus] Kopp M, et al.
C R Acad Sci [D] (Paris) 280(7):923–5, 17 Feb 75 (Eng. Abstr.) **(Fre)**

ANALYSIS

Location of the cistron of the tobacco mosaic virus coat protein. Richards KE, et al. **Biochimie** 57(6–7):749–55, 1975

Circular-dichroism and absorption spectroscopic studies on specific aromatic residues involved in the different modes of aggregation of tobacco-mosaic-virus protein. Vogel D, et al. **Eur J Biochem** 61(2):423–31, 15 Jan 76

Tobacco mosaic virus RNA carries 5'-terminal triphosphorylated guanosine blocked by 5'-linked 7-methylguanosine. Keith J, et al. **FEBS Lett** 57(1):31–4, 1 Sep 75

The polarity of stripping of coat protein subunits from the RNA in tobacco mosaic virus under alkaline conditions. Perham RN, et al. **FEBS Lett** 62(1):11–5, 1 Feb 76

Equilibrium ultracentrifugation of polymers: a new method of data reduction with an application to TMV protein. Stevens CL. **FEBS Lett** 56(1):12–5, 1 Aug 75

States of aggregation of the dahlemense strain of tobacco mosaic virus protein and their relation to crystal formation. Sperling R, et al. **J Mol Biol** 96(3):425–30, 15 Aug 75

A study of nucleotide sequence homology between strains of tobacco mosaic virus. Vandewalle MJ, et al.
Virology 73(2):413–8, Sep 76

[Study of TMV reconstruction products by means of gel chromatography on agarose] Grama DP, et al.
Mikrobiol Zh 38(3):338–42, 1976 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Proceedings: Biological properties of chemically induced mutants of TMV. Singer B. **Ann Microbiol (Paris)** 127A(1):33–4, Jan 76

Polarity of the RNA in the tobacco mosaic virus particle and the direction of protein stripping in sodium dodecyl sulphate. Wilson TM, et al. **FEBS Lett** 64(2):285–9, 1 May 76

[Study of the action of yeast polysaccharides of different structures on the tobacco mosaic virus] Kovalenko AG, et al. **Mikrobiol Zh** 36(4):490–7, Jul-Aug 74 (Eng. Abstr.) **(Ukr)**

[Action of some polysaccharide containing complexes of microbial origin on the tobacco mosaic virus and on the influenza virus] Mil'chenko KP, et al. **Mikrobiol Zh** 38(3):347–50, 1976 (Eng. Abstr.) **(Ukr)**

ENZYMOLOGY

Separation studies of TMV replicase. Brishammar S.
Ann Microbiol (Paris) 127A(1):25–31, Jan 76

GROWTH & DEVELOPMENT

Inhibition of multiplication of tobacco mosaic virus in protoplasts by antibiotics and its prevention by divalent metals. Kassanis B, et al. **J Gen Virol** 28(2):185–91, Aug 75

Specificity of protein-RNA and protein-protein interaction upon assembly of TMV in vivo and vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75

Specificity of protein--RNA and protein--protein interaction upon assembly of TMV in vivo and in vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75

Viral RNA synthesis is renewed in protoplasts isolated from TMV-infected Xanthi tobacco leaves in an advanced stage of virus infection. Föglein FJ, et al. **Virology** 67(1):74–9, Sep 75

Sodium dodecyl sulphate-polyacrylamide-gel electrophoretic detection of two high molecular weight proteins associated with tobacco mosaic virus infection in tobacco. Scalla R, et al. **Virology** 69(1):339–45, Jan 76

Effects of viral protein, viral RNA, and some other polyelectrolytes on infection of tobacco protoplasts by TMV. Zhuravlev YN, et al. **Virology** 73(2):454–60, Sep 76

[Virus-free plants obtained by culture in vitro of anthers from tobacco plants infected by tobacco mosaic virus] Maia E, et al. **C R Acad Sci [D] (Paris)** 280(21):2505–8, 2 Jun 75 (Eng. Abstr.) **(Fre)**

[Various physiological and biochemical peculiarities in selective phytotoxicity of triazines in viran infection] Zhmurko LG, et al. **Mikrobiol Zh** 37(2):197–201, Mar-Apr 75 (Eng. Abstr.) **(Ukr)**

[Effect of the method of tissue culture and the way of its inoculation as applied to the accumulation of potato virus X and tobacco mosaic virus] Zhuk IP, et al.
Mikrobiol Zh 37(6):718–24, Nov-Dec 75 (Eng. Abstr.) **(Ukr)**

[Reproduction of TMV in suspension culture of pigmented tobacco cell line] Zhuk IP, et al. **Mikrobiol Zh** 37(1):114–7, Jan-Feb 75 (Eng. Abstr.) **(Ukr)**

IMMUNOLOGY

Proceedings: Some aspects of the production of a restricted immune response. Verloes R, et al.
Arch Int Physiol Biochim 83(2):418–9, May 75

Immunochemical studies of tobacco mosaic virus--I: refutation of the alleged homogeneous binding of purified antibody fragments. Hardie G, et al. **Immunochemistry** 12(11):903–8, Nov 75

Immunochemical studies of tobacco mosaic virus--II. Univalent and monogamous bivalent binding of IgG antibody. Van Regenmortel MH, et al.
Immunochemistry 13(6):503–7, Jun 76

[Proceedings: Immunochemistry of tobacco mosaic virus (TMV). Determination of association constants of Fab fragments] Regenmortel MH van, et al.
Ann Immunol (Paris) 126(3):363, Apr 75 **(Fre)**

ISOLATION & PURIFICATION

Elongated virus particles in plasmodesmata. Weintraub M, et al. **J Ultrastruct Res** 56(3):351–64, Sep 76

[Tobacco mosaic virus and para-tobacco mosaic virus in cigarettes] Wetter C. **Naturwissenschaften** 62(11):533, Nov 75 **(Ger)**

METABOLISM

Proceedings: On the structure of replicating TMV RNA. Nilsson-Tillgren T, et al. **Ann Microbiol (Paris)** 127A(1):23, Jan 76

Proceedings: Interaction of tobacco mosaic virus strains in doubly infected tobacco protoplasts. Otsuki Y, et al.
Ann Microbiol (Paris) 127A(1):21, Jan 76

Proceedings: New species of RNA formed during tobacco mosaic virus infection. Siegel A, et al.
Ann Microbiol (Paris) 127A(1):35, Jan 76

Proceedings: The cowpea strain of TMV is a pseudo-multicomponent virus. Zaitlin M, et al.
Ann Microbiol (Paris) 127A(1):37–8, Jan 76

Enzymatic removal of the 5'-terminal methylated blocked structure of tobacco mosaic virus RNA and its effects on infectivity and reconstitution with coat protein. Ohno T, et al. **FEBS Lett** 67(2):209–13, 15 Aug 76

Guanidine inhibits tobacco mosaic virus RNA synthesis at two stages. Dawson WO. **Intervirology** 6(2):83–9, 1975–76

Proceedings: Enzymatic acylation of histidine to tobacco mosaic virus RNA. Salomon R, et al. **Isr J Med Sci** 11(11):1208–9, Nov 75

Assembly of tobacco mosaic virus in vitro. Improved model for the elongation process by protein subunits. Okada Y, et al. **J Biochem (Tokyo)** 77(6):1157–63, Jun 75

Entropy-driven processes in biology. Lauffer MA.
Mol Biol Biochem Biophys (20):1–264, 1975 (358 ref.)

Messenger RNA for the coat protein of tobacco mosaic virus. Hunter TR, et al. **Nature** 260(5554):759–64, 29 Apr 76

Synthesis of tobacco mosaic virus coat protein following migration of viral RNA into isolated mouse liver mitochondria. Dimitriadis GJ, et al. **Nucleic Acids Res** 2(10):1719–26, Oct 75

In vitro and in vivo translation of the ribonucleic acids of a cowpea strain of tobacco mosaic virus. Bruening G, et al. **Virology** 71(2):498–517, Jun 76

Synthesis of TMV RNA at restrictive high temperatures. Dawson WO. **Virology** 73(2):319–26, Sep 76

Viral RNA synthesis is renewed in protoplasts isolated from TMV-infected Xanthi tobacco leaves in an advanced stage of virus infection. Föglein FJ, et al. **Virology** 67(1):74–9, Sep 75

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Occurrence of short particles in beans infected with the cowpea strain of TMV. II. Evidence that short particles contain the cistron for coat-protein. Higgins TJ, et al.
Virology 71(2):486–97, Jun 76

Enzymatic acylation of histidine to tobacco mosaic virus RNA. Salomon R, et al. **Virology** 71(1):74–84, May 76

PATHOGENICITY

Observations and experiments on the use of an avirulent mutant strain of tobacco mosaic virus as a means of controlling tomato mosaic. Fletcher JT, et al.
Ann Appl Biol 81(2):171–9, Oct 75

[Interferonogenic and antiviral activity of the tobacco mosaic virus, tilorone and sodium nucleinate] Balezina TI, et al.
Antibiotiki 21(3):250–4, Mar 76 (Eng. Abstr.) **(Rus)**

[Phenotypic mixing in vivo and in vitro between serologically different strains of the TMV] Vostrova MG, et al.
Izv Akad Nauk SSSR [Biol] (6):846–58, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structure and immunogenic behaviour of methylated tobacco mosaic virus. Staab HJ, et al. **Biochim Biophys Acta** 427(2):453–64, 14 Apr 76

Appearances of microtubules after various fixative procedures, and comparison with the appearances of tobacco mosaic virus. Forer A. **J Cell Sci** 19(3):579–605, Dec 75

Electron microscopy of tobacco mosaic virus prepared with the aid of negative staining-carbon film techniques. Horne RW, et al. **J Gen Virol** 31(2):265–9, May 76

The hexagonal lattice spacing of intracellular crystalline tobacco mosaic virus. Willison JH. **J Ultrastruct Res** 54(2):176–82, Feb 76

Fate of tobacco mosaic virus after entering the host cell. II. Electron microscopy of virus particles recovered from inoculated leaves. Hayashi T. **Jpn J Microbiol** 19(5):399–401, Oct 75

The structure of the protein disk of tobacco mosaic virus to 5A resolution. Champness JN, et al. **Nature** 259(5538):20–4, 1–8 Jan 76

[Mechanism of assembly of tobacco mosaic virus (author's transl)] Okada Y. **J Jpn Biochem Soc** 47(12):1091–114, Dec 75 (80 ref.) **(Jpn)**

[Studies of structure and interactions of TMV components by means of circular dichroism and UV-spectroscopy] Lanina TP, et al. **Mol Biol** 8(5):742–51, Sep-Oct 74 (Eng. Abstr.) **(Rus)**

TOBRAMYCIN see under **ANTIBIOTICS**

TOCINAMIDE see under **OXYTOCIN**

TOCINOIC ACID see under **OXYTOCIN**

TOCOPHEROLS see **VITAMIN E**

TOE JOINT

Osteoarthritis of the foot and ankle. pp. 287–301. Funk FJ Jr.
In: Symposium on Osteoarthritis. St. Louis, Mosby, 1976. WE 348 S989s 1974.

Ganglion cysts and metatarsalgia Berlin SJ, et al.
J Am Podiatry Assoc 66(7):491–5, JUL 76

The use of the Calnan-Nicolle prosthesis for metatarsophalangeal joint replacement. A preliminary study. Kaplan BR, et al. **J Am Podiatry Assoc** 66(3):165–72, Mar 76

Villonodular synovitis of the equine metacarpophalangeal joint. Nickels FA, et al. **J Am Vet Med Assoc** 168(11):1043–6, 1 Jun 76

Letter: Pseudo-pseudopodagra. Canoso JJ, et al. **Lancet** 1(7953):258–9, 31 Jan 76

INJURIES

Traumatic dislocation of the first metatarsophalangeal joint. A case report. Daniel WL, et al. **J Am Podiatry Assoc** 66(2):97–100, Feb 76

Dorsal dislocation of the first metatarso-phalangeal joint. Report of four cases. Giannikas AC, et al.
J Bone Joint Surg [Br] 57(3):384–6, Aug 75

Turf-toe: a shoe-surface related football injury. Bowers KD Jr, et al. **Med Sci Sports** 8(2):81–3, Summer 76

Pseudomonas osteomyelitis following puncture wounds. MacKinnon AE. **Postgrad Med J** 51(591):33–4, Jan 75

Lisfranc's tarsometatarsal fracture-dislocation. Foster SC, et al. **Radiology** 120(1):79–83, Jul 76

[Injuries of Lisfranc's joint: severe sprains, dislocations, fractures. Study of 39 personal cases and biomechanical classification] Bonnel F, et al. **J Chir (Paris)** 111(5–6):573–92, May-Jun 76 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Degenerative disease in the temporomandibular, metatarsophalangeal and sternoclavicular joints. An autopsy study. Kopp S, et al. **Acta Odontol Scand** 34(1):23–32, 1976

The histologic patterns in functional bony adaptation as applied to congruous and subluxed joints. Jaworek TE.
J Am Podiatry Assoc 65(10):953–62, Oct 75

RADIOGRAPHY

The interphalangeal joint of the great toe in rheumatoid arthritis. Resnick D. **J Can Assoc Radiol** 26(4):255–62, Dec 75

SURGERY

Keller implant procedure: a report of 536 procedures using a Silastic intramedullary stemmed implant. LaPorta GA, et al. **J Am Podiatry Assoc** 66(3):126–47, Mar 76 (73 ref.)

Status of implant arthroplasty of the lesser metatarsophalangeal joints. McGlamry ED, et al.
J Am Podiatry Assoc 66(3):155–64, Mar 76

The use of footprints in assessing the results of operations

for hallux valgus. A comparison of Keller's operation and arthrodesis. Henry AP, et al. **J Bone Joint Surg [Br]** 57(4):478–81, Nov 75

[Alloarthroplasty of the metatarsophalangeal joint of the the big toe] Ferdini R. **Z Orthop** 113(4):549–52, Aug 75 **(Ger)**

[Arthroplasty of the metatarsophalangeal joint in hallux rigidus] Halleraker B. **Tidsskr Nor Laegeforen** 96(2):98–9, 20 Jan 76 **(Nor)**

[Clinico–experimental study of different types of allotenoplasty] Dedushkin VS, et al. **Vestn Khir** 115(8):88–92, Aug 75 (Eng. Abstr.) **(Rus)**

TOES

Lumbrical muscles and contracted toes. Cralley J, et al. **Anat Anz** 138(4):348–53, 1975

Proceedings: Recurring digital fibrous tumor of childhood, case 1. Arundell FD. **Arch Dermatol** 111(10):1372–3, Oct 75

The treatment of intoed gait in spina bifida patients by lateral transfer of the medial hamstrings. Golski A, et al. **Aust NZ J Surg** 46(2):157–9, May 76

Intoeing and flat feet. Sharrard WJ. **Br Med J** 1(6014):888–9, 10 Apr 76

Vanishing toes. Norwich I. **Bull Soc Int Chir** 34(2):143–6, 1975

Ewing's sarcoma of the great toe. A case report. Dunn EJ, et al. **Clin Orthop** (116):203–8, May 76

Squamous cell carcinoma of the foot. A case report of two cases with nail bed involvement. Galinski AW, et al. **J Am Podiatry Assoc** 66(7):550–3, JUL 76

Calcifying epithelioma of malherbe. A review and a case report of foot involvement. Hlavac HF, et al. **J Am Podiatry Assoc** 66(7):477–83, JUL 76

Acquired digital fibrokeratoma. Lerman JS, et al. **J Am Podiatry Assoc** 66(7):522–4, JUL 76

Hemangioma of the digits. Two cases. Politz MJ. **J Am Podiatry Assoc** 66(7):515–8, JUL 76

Contracted fourth toe traction appliance. Polokoff MM. **J Am Podiatry Assoc** 65(11):1074–5, Nov 75

Traction appliance for third toe. Polokoff MM. **J Am Podiatry Assoc** 65(10):1011–2, Oct 75

Double ring toe traction device. Polokoff MM. **J Am Podiatry Assoc** 66(1):35–7, Jan 76

Lesser toe latex shield made with tubular gauze. Polokoff MM. **J Am Podiatry Assoc** 66(2):104–5, Feb 76

Surgical correction of intertriginous soft corns. Meltzer L. **J Dermatol Surg** 2(2):135–6, May 76

Letter: Acute toe walking syndrome. Buie WB. **Med J Aust** 2(19):752, 8 Nov 75

Interdigital corns in a black rhinoceros. Boever WJ. **Vet Med Small Anim Clin** 71(6):827–30, Jun 76

Morphogenesis of intracytoplasmic dense (inclusion) bodies in a recurring digital fibrous tumor of childhood. Light– and electron–microscopic investigations. Stiller D, et al. **Virchows Arch [Pathol Anat]** 367(1):73–81, 23 Jun 75

[Treatment of interdigital mycoses using peracetic acid] Klima J, et al. **Cesk Dermatol** 50(4):246–50, Aug 75 (Eng. Abstr.) **(Cze)**

[Interdigital spinocellular epitheliomas of the foot] Baptista AP, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):491–8, 1975 (Eng. Abstr.) **(Fre)**

[Aseptic necrosis of the sesamoid bone in the big toe—occupationally induced?] Trzenschik K. **Beitr Orthop Traumatol** 22(3):141–2, Mar 75 **(Ger)**

[Peculiar involuntary movement of the toes associated with discomfort of the foot, a case of so–called 'painful legs and moving toes'] Okamoto S, et al. **Clin Neurol (Tokyo)** 14(11):829–34, Nov 74 (Eng. Abstr.) **(Jpn)**

[Tumors and tumor–like lesions of soft tissues in the digits. A clinicopathological and statistical analysis of 230 cases (author's transl)] Iwasaki H, et al. **Fukuoka Acta Med** 66(11):649–60, 25 Nov 75 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Congenital stapes fixation, symphalangism and syndactylia. Vase P, et al. **Acta Otolaryngol (Stockh)** 80(5–6):394–8, Nov–Dec 75

Autosomal recessive postaxial polydactyly: report of a family. Cantú JM, et al. **Birth Defects** 10(5):19–22, 1974

Symphalangism and brachydactyly syndrome: report of the WL symphalangism–brachydactyly syndrome: review of literature and classification. Herrmann J. **Birth Defects** 10(5):23–53, 1974

P—popliteal pterygium syndrome. Pashayan H, et al. **Birth Defects** 10(5):252–6, 1974

E—camptodactyly in male twins as a manifestation of a generalized disorder of connective tissue. Pierce EA. **Birth Defects** 10(5):204–6, 1974

Otopalatodigital syndrome: radiologic findings in the hand and foot. Poznanski AK, et al. **Birth Defects** 10(5):125–39, 1974

The REEDS syndrome. Reed WB, et al. **Birth Defects** 10(5):61–73, 1974

Bilateral hammertoes: a new dominant disorder. Reed WB, et al. **Birth Defects** 12(5):327, 1976

Type C brachydactyly with limited flexion of distal interphalangeal joints. Rimoin DL, et al. **Birth Defects** 10(5):9–17, 1974

Polydactyly with triphalangeal thumbs, brachydactyly, camptodactyly, congenital dislocation of the patellas, short stature and borderline intelligence. Say B, et al. **Birth Defects** 12(5):279–86, 1976

A case of an eight–toed foot. Sugarman GI. **Birth Defects** 10(5):141–4, 1974

A new syndrome of brachydactyly of the hands and feet with duplication of the first toes. Sugarman GI, et al. **Birth Defects** 10(5):1–8, 1974

G—polysyndactyly in an Egyptian family. Temtamy SA, et al. **Birth Defects** 10(5):207–15, 1974

The aglossia–adactylia syndrome. Alvarez GE. **Br J Plast Surg** 29(2):175–8, Apr 76

Ectrodactyly, ectodermal dysplasia and cleft palate (EEC syndrome). Report of a family and review of the literature. Rosenmann A, et al. **Clin Genet** 9(3):347–53, Mar 76

Macrodactyly. Khanna N, et al. **Hand** 7(3):215–22, Oct 75

Macrodactyly. Khanna N, et al. **Hand** 7(3):215–22, Oct 75

Brachydactylia with symphalangism, probably autosomal recessive. Walbaum R, et al. **Hum Genet** 33(2):189–92, 27 Jul 76

The study of genetic variation in Nigeria. II. The genetics of polydactyly. Scott–Emuakpor AB, et al. **Hum Hered** 26(3):198–202, 1976

Aplasia of toe phalanges and nails. Kurgan A, et al. **Isr J Med Sci** 12(6):570–2, Jun 76

Mallet toe. Buggiani FP, et al. **J Am Podiatry Assoc** 66(5):321–6, May 76

Polydactylism repair. Green DR, et al. **J Am Podiatry Assoc** 66(5):302–9, May 76

Congenital–bilateral cock–up toe deformity. Case report. Tartack I, et al. **J Am Podiatry Assoc** 66(2):95–7, Feb 76

Crossed polydactyly. Case report and review of the literature. Nathan PA, et al. **J Bone Joint Surg [Am]** 57(6):847–9, Sep 75

Marchesani syndrome. Nabai H, et al. **J Cutan Pathol** 1(4):186–8, 1974

Polydactyly and brachymetapody in two English families. Holt SB. **J Med Genet** 12(4):355–66, Dec 75

Trigonocephaly and associated minor anomalies in mother and son. Hunter AG, et al. **J Med Genet** 13(1):77–9, Feb 76

Hirschsprung's disease associated with congenital heart malformation, broad big toes, and ulnar polydactyly in sibs: a case for fetoscopy. Laurence KM, et al. **J Med Genet** 12(4):334–8, Dec 75

Congenital micrognathia and partial adactylia. Test D 3d, et al. **J Oral Surg** 34(6):559–65, Jun 76

A case of polydactyly with multiple thresholds in the mouse. Roberts RC, et al. **Proc R Soc Lond [Biol]** 191(1104):427–44, 2 Dec 75

Flexor tenotomy in the treatment of curly toes. Pollard JP, et al. **Proc R Soc Med** 68(8):480–1, Aug 75

Polydactyly: report of a large kindred. Kirkland LR, et al. **South Med J** 69(4):436–7, Apr 76

[Tricho–rhino–phalangeal syndrome. A recent familial case] Stoll C, et al. **Pediatrie** 31(5):519–24, Aug 76 (Eng. Abstr.) **(Fre)**

[The aglossia–adactylia syndrome] Lecannellier J, et al. **Helv Paediatr Acta** 31(1):77–84, Jun 76 (Eng. Abstr.) **(Ger)**

[Weill–Marchesani syndrome] Duer D, et al. **Harefuah** 89(1):25–6, 1 Jul 75 (Eng. Abstr.) **(Heb)**

[Lobster claw syndrome] György M, et al. **Orv Hetil** 117(32):1938–40, 8 Aug 76 **(Hun)**

[Polydactylia] Duca–Marinescu D, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(1):89–93, Jan–Mar 75 **(Rum)**

[Weill–Marchesani's syndrome (author's transl)] Ramos Niembro F, et al. **Rev Invest Clin** 27(3):225–30, Jul–Sep 75 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Comments on the subject of the length of the big toe] Kósa L. **Orv Hetil** 116(48):2865, 30 Nov 75 **(Hun)**

[The big toe of the ancient Egyptians] Rózsanegyi I. **Orv Hetil** 116(36):2143–4, 7 Sep 75 **(Hun)**

BLOOD SUPPLY

The peripheral blood pressure in legs with venous ulcers. Gundersen J. **Acta Chir Scand** 141(6):514–6, 1975

Angiography of equine metacarpus and phalanges: alterations with medial palmar artery and medial palmar digital artery ligation. Scott EA, et al. **Am J Vet Res** 37(8):869–73, AUG 76

Proceedings: Cholesterol emboli causing gangrene of the extremities. Calhoun P. **Arch Dermatol** 111(10):1373, Oct 75

Dry gangrene of toes: managed with foam rubber boots and ambulation. Steinberg G, et al. **NY State J Med** 76(6):907–11, Jun 76

Case report: 'purple toes' syndrome: an uncommon complication of oral anticoagulant therapy. Di Cato MA. **Postgrad Med** 58(7):133–4, Dec 75

INJURIES

Fractures of the pedal bone in the horse. Pettersson H. **Equine Vet J** 8(3):104–9, Jul 76

Locked dislocation of the great toe. McKinley LM, et al. **J La State Med Soc** 127(10):389–90, Oct 75

[Fractures of the toe in industrial accidents] Fiocchi R, et al. **Clin Ortop** 24(3):176–86, Jul–Sep 73 (Eng. Abstr.) **(Ita)**

INNERVATION

Preliminary report of a modified surgical approach to posterior digital neurectomy in the horse. Lose MP, et al. **Vet Med Small Anim Clin** 71(3):317–20, Mar 76

PATHOLOGY

Giant cell tumor of tendon sheath(benign synovioma). Coster AA. **J Am Podiatry Assoc** 66(7):538–41, JUL 76

RADIOGRAPHY

[Spina ventosa migrans] Todorović N, et al. **Med Pregl** 28(3–4):149–51, 1975 **(Ser)**

SURGERY

The filleted toe flap. Emmett AJ. **Br J Plast Surg** 29(1):19–21, Jan 76

Letter: Modified operation for ingrowing toenails. Palmer BV, et al. **Br Med J** 2(6031):367, 7 Aug 76

Diaphysectomy for severe acquired overlapping fifth toe and advanced fixed hammering of the small toes. pp. 211–21. Jahss MH.
In: Bateman JE, ed. Foot science. Philadelphia, Saunders, 1976. WE 880 A511f 1974.

Benign synovioma of the foot. A case report. Hofbauer OG. **J Am Podiatry Assoc** 66(7):542–3, JUL 76

Giant cell tumor of the foot. A case report. Steinberg RI, et al. **J Am Podiatry Assoc** 66(7):534–7, JUL 76

TRANSPLANTATION

Replantation and reconstructive microvascular surgery. Part II. O'Brien BM. **Ann R Coll Surg Engl** 58(3):171–82, May 76 (55 ref.)

Toe digital transfer. Buncke HJ. **Clin Plast Surg** 3(1):49–57, Jan 76

Transplantation of a toe to an amputated finger. Ohmori K, et al. **Hand** 7(2):134–8, Jun 75

TOFRANIL see **IMIPRAMINE**

TOILET FACILITIES see under **LATRINES**

TOILET TRAINING

Problems involved in toilet–training profoundly mentally handicapped adults. Smith PS, et al. **Behav Res Ther** 13(4):301–7, Oct 75

A new method for toilet training developmentally disabled children. Edgar CL, et al. **Percept Mot Skills** 41(1):63–9, Aug 75

TOKEN ECONOMY see under **REWARD**

TOLAMOLOL see under **PROPANOLAMINES**

TOLAZOLINE

DIAGNOSTIC USE

Priscoline–augmented hepatic angiography. Goldstein HM, et al. **Radiology** 119(2):275–9, May 76

[Clinical experiences with a modified tolazoline test in the diagnosis of glaucoma] Waltz I, et al. **Z Aerztl Fortbild (Jena)** 69(15):804–7, 1 Aug 75 **(Ger)**

PHARMACODYNAMICS

Pharmacoangiography in experimental tumours. Evaluation of vasoactive drugs. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):329–42, May 76

Inhibitory beta adrenergic receptors in the nictitating membrane of cat. Paranjpe BD, et al. **Indian J Physiol Pharmacol** 18(4):366–8, Oct–Dec 74

Alpha adrenergic and histaminergic effects of tolazoline–like imidazolines. Sanders J, et al. **J Pharmacol Exp Ther** 195(2):362–71, Nov 75

THERAPEUTIC USE

Neonatal hypoxia and pulmonary vasospasm: response to tolazoline. Goetzman BW, et al. **J Pediatr** 89(4):617–21, Oct 76

[Practical method of squint treatment] Witusik W. **Klin Oczna** 45(8):939–45, Aug 75 (Eng. Abstr.) **(Pol)**

TOLBUTAMIDE

Changes in plasma glucose, free fatty acids (FFA), cortisol, immunoreactive human growth hormone (IRHGH) and immunoreactive insulin (IRI) after tolbutamide–induced hypoglycemia in obese subjects. Laurian L, et al. **Acta Diabetol Lat** 11(6):446–56, Nov–Dec 74

Physicochemical study of drug binary systems. Part 3: Tolbutamide–urea and tolbutamide–mannitol systems. El–Banna HM, et al. **Pharmazie** 30(12):788–92, 1975

[Binding of SPC–703 and tolbutamide to albumin] Wójcikowski C, et al. **Endokrynol Pol** 27(1):37–43, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Potentiation of hypoglycemic response to intravenous tolbutamide by clofibrate. Ferrari C, et al. **N Engl J Med** 294(21):1184, 20 May 76

[Serum immunoreactive insulin after the oral administration

of single dose of tolbutamide. I. Peripheral vein immunoreactive insulin in normal subjects and mild diabetics (author's transl)] Goto A. **Folia Endocrinol Jpn** 51(8):676–84, 20 Aug 75 (Eng. Abstr.) **(Jpn)**

[Serum immunoreactive insulin after the oral administration of single dose of tolbutamide. II. Pancreatic vein immunoreactive insulin in dogs (author's transl)] Goto A. **Folia Endocrinol Jpn** 51(8):685–92, 20 Aug 75 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Medical guest editorial: The oral diabetic drug controversy. **Am Fam Physician** 12(6):73–4, Dec 75

The tolbutamide controversy. **Compr Ther** 1(1):19–20, May 75

[Heart death and oral antidiabetics; the last judgement] Touber JL. **Ned Tijdschr Geneeskd** 119(39):1506–8, 27 Sep 75 **(Dut)**

[Tolbutamide controversy; falling into the pit sobbing] Touber JL. **Ned Tijdschr Geneeskd** 119(46):1821–8, 15 Nov 75 **(Dut)**

ANALOGS & DERIVATIVES

Characterization of protein kinases from bovine parotid glands. The effect of tolbutamide and its derivative on these partially purified enzymes. Kanamori T, et al. **Biochim Biophys Acta** 429(1):147–62, 11 Mar 76

ANALYSIS

[A contribution to the identification of the oral antidiabetic agent tolbutamide. 1st communication] Oelschläger H, et al. **Arzneim Forsch** 26(3):303–12, 1976 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

The relative roles of calcium, phosphorus, and parathyroid hormone in glucose- and tolbutamide-mediated insulin release. Harter HR, et al. **J Clin Invest** 58(2):359–67, Aug 76

Inhibition by somatostatin of tolbutamide-induced insulin secretion in a patient with an insulinoma. Van Kersen F. **Neth J Med** 19(1):5–7, 1976

BLOOD

Displacement of tolbutamide, glibencalmide and chlorpropamide from serum albumin by anionic drugs. Brown KF, et al. **Biochem Pharmacol** 25(10):1175–8, 15 May 76

The use of solid probe chemical ionization mass spectrometry and gas chromatography–chemical ionization mass spectrometry in quantitation of drugs in biological fluids. Determination of tolbutamide and its metabolites in human plasma. Matin SB, et al. **Biomed Mass Spectrom** 1(5):323–8, Oct 74

Plasma protein binding of diazepam and tolbutamide in chronic alcoholics. Thiessen JJ, et al. **J Clin Pharmacol** 16(7):345–51, Jul 76

GLC determination of plasma levels of intact chlorpropamide or tolbutamide. Midha KK, et al. **J Pharm Sci** 65(4):576–9, Apr 76

DIAGNOSTIC USE

Immunoreactive glucagon responses to intravenous tolbutamide in chronic pancreatitis. Kalk WJ, et al. **Diabetes** 24(9):851–5, Sep 75

Response of islet cell tumors to enterohormones. Fallucca F, et al. **Horm Metab Res** Suppl 6:34–9, 1976

[Angiography of the pancreas after pharmocologic stimulation] Stefani P, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:520–1, 1975 **(Fre)**

[Letter: Tolbutamide test] Berger W. **Dtsch Med Wochenschr** 101(22):873–4, 28 May 76 **(Ger)**

[Study of the behavior of plasma free fatty acids during the tolbutamide test in normal and obese subjects] Balestreri R, et al. **Boll Soc Ital Biol Sper** 51(9–10):602–8, 30 May 75 **(Ita)**

[Differences found in serum serotonin between a group of normal and subjects of obese patients following intravenous tolbutamide administration] Castel Aznar C, et al. **Rev Iber Endocrinol** 23(135):239–61, May–Jun 76 (Eng. Abstr.) **(Spa)**

METABOLISM

The effect of different oral anticoagulants on diphenylhydantoin (DPH) and tolbutamide metabolism. Skovsted L, et al. **Acta Med Scand** 199(6):513–5, 1976

Alteration of drug metabolism during cholestasis in man. Carulli N, et al. **Eur J Clin Invest** 5(6):455–62, 21 Nov 75

Kinetics of tolbutamide interactions. pp. 199–210. Rowland M, et al.
In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.

Effect of tuberculostatic agents on the response of serum growth hormone and immunoreactive insulin to intravenous tolbutamide, and on the half-life of tolbutamide. Syvälahti E, et al. **Int J Clin Pharmacol Biopharm** 13(2):83–9, Mar 76

Influence of some salicylates and sulfonamides on binding by albumin of SPC–703 and tolbutamide. Wójcikowski C, et al. **Pol J Pharmacol Pharm** 28(2):129–35, 1976

[Cooperative binding of tolbutamide by isolated rat Islets of Langerhans] Alric R, et al. **C R Acad Sci [D] (Paris)** 281(24):2029–32, 22 Dec 75 (Eng. Abstr.) **(Fre)**

[Effect of food ingestion and distribution on the resorption of tolbutamide] Gundert-Remy U, et al. **Verh Dtsch Ges Inn Med** 81:1680–2, 1975 **(Ger)**

PHARMACODYNAMICS

Tolbutamide and practolol. De Divitiis, et al. **Acta Diabetol Lat** 11(6):495–7, Nov–Dec 74

Studies on the mechanism of somatostatin action on insulin release in man. II. Comparison of the effects of somatostatin on insulin release induced by glucose, glucagon and tolbutamide. Efendić S, et al. **Acta Endocrinol (Kbh)** 1(4):743–52, Apr 76

Serum growth hormone, serum immunoreactive insulin and blood glucose response to intravenous tolbutamide in postmenopausal women with and without natural oestrogen therapy. Syvälahti E, et al. **Acta Pharmacol Toxicol (Kbh)** 38(3):177–85, Mar 76

Effects of drugs on glucose and tolbutamide-stimulated insulin release from isolated rat islets of Langerhans. El-Denshary EE, et al. **Biochem Pharmacol** 25(13):1451–4, 1 Jul 76

Characterization of protein kinases from bovine parotid glands. The effect of tolbutamide and its derivative on these partially purified enzymes. Kanamori T, et al. **Biochim Biophys Acta** 429(1):147–62, 11 Mar 76

Inotropic action of tolbutamide on human myocardium. Hildner FJ, et al. **Cathet Cardiovasc Diagn** 1(1):47–57, 1975

Cyclic nucleotides in pancreatic islets. Tolbutamide- and arginine-induced insulin release. Charles MA, et al. **Diabetes** 25(4):256–9, Apr 76

Tolbutamide-induced changes of the DNA, protein and insulin content and the secretory activity of isolated rat pancreatic islets. Schauder P, et al. **Diabetologia** 11(4):301–5, Aug 75

Somatostatin inhibition of glucose-, tolbutamide-, theophylline, cytochalasin B-, and calcium-stimulated insulin release in monolayer cultures of rat endocrine pancreas. Fujimoto WY. **Endocrinology** 97(6):1494–500, Dec 75

Teratogenic effect of tolbutamide on the development of the sea urchin embryo (Paracentrotus lividus Lamarck). Hagström BE, et al. **Experientia** 32(6):744–6, 15 Jun 76

Behaviour of the IRI plasmatic level in diabetic subjects after intravenous injection of tolbutamide. Artenisio AC, et al. **Folia Endocrinol (Roma)** 27(5):439–62, Oct 74

Hyaluronidase-induced inhibition of the insulinotropic action of sulfonylureas, leucine, and glucagon in rodent isolated pancreatic islets. Macchi IA, et al. **Horm Metab Res** 8(2):92–6, Mar 76

In vitro effects of tolbutamide on human platelets. pp. 341–6. Kahlé LH, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Tolbutamide, postnatal neogenesis of the islets of Langerhans and myocardial insufficiency: a case report. Bunnag SC, et al. **J Med Assoc Thai** 59(3):124–31, Mar 76

Effect of tolbutamide on aminophylline-, 3,5-AMP-dibutyrate- or glucagon-induced insulin release from pancreatic islets after impairment of pyridine nucleotide metabolism caused by 6-aminonicotinamide (6-AN). Ammon HP. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):251–64, 24 Sep 75

Effect of calcium chloride on some metabolic actions of certain antidiabetic drugs in normal and alloxanised rabbits. Ahmed HM. **Pharmazie** 30(9):598–602, Sep 75

Responses to intravenous tolbutamide by Nigerians—a preliminary study. Adadevoh BK, et al. **West Afr J Pharmacol Drug Res** 2(1):5–9, Jun 75

[The effect of rastinon on the beta cells of the rat and guinea pig pancreas] Ogneva V. **Eksp Med Morfol** 12(2):92–7, 1973 (Eng. Abstr.) **(Bul)**

[A comparison of the metabolic effects of glucose, fructose, sorbitol, and xylitol in healthy subjects and the influence of tolbutamide and butylbiguanide (author's transl)] Brodanová M, et al. **Sb Lek** 77(8):244–56, Aug 75 (Eng. Abstr.) **(Cze)**

[Clinical investigations of the effect of tolbutamide and glibenclamide on pancreatic glucagon secretion (author's transl)] Baumeister G, et al. **Klin Wochenschr** 53(12):571–4, 15 Jun 75 (Eng. Abstr.) **(Ger)**

[Comparative use of gliquidone and tolbutamide administered intravenously] Zilker T, et al. **Munch Med Wochenschr** 117(36):1421–2, 5 Sep 75 **(Ger)**

[Effect of tolbutamide and glibenclamide on glucagon secretion in subjects with normal metabolism and in diabetics] Baumeister G, et al. **Verh Dtsch Ges Inn Med** 81:1484–6, 1975 **(Ger)**

[Effects of heparin on HGH secretion after intravenous administration of tolbutamide in normal subjects] Ragonese F, et al. **Boll Soc Ital Biol Sper** 51(24):1975–9, 30 Dec 75 **(Ita)**

[Effect of tolbutamide on plasmatic insulin and glucose in children treated with diphenylhydantoin (author's transl)] Del Valle Núñez CJ, et al. **An Esp Pediatr** 9(3):273–8, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Relation of uric acid and arteriosclerosis on an experimental model of chickens fed with eggs. Influence of insulin and oral antidiabetics (glibenclamide and tolbutamide)] Valdés M Jr, et al. **Rev Clin Esp** 139(3):235–41, 15 Nov 75 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

The effects of tolbutamide on the development of atherosclerosis in rhesus monkeys fed an average American table-prepared diet. Wissler RW, et al. **Adv Exp Med Biol** 63:379–80, 1975

Letter: Oral agents for diabetes. Fisher AM. **Can Med Assoc J** 113(5):364, 6 Sep 75

Studies on the effect of allicin (diallyl disulphide-oxide) on alloxan diabetes. Augusti KT. **Experientia** 31(11):1263–5, 15 Nov 75

Letter: Oral hypoglycaemics in diabetes mellitus. Keen H, et al. **Lancet** 2(7940):865, 1 Nov 75

[An acute diabetic syndrome induced in rats by anti-insulin serum as an experimental model for the study of several antidiabetic agents] Andreev D, et al. **Eksp Med Morfol** 13(2):95–101, 1974 (Eng. Abstr.) **(Bul)**

[Clinical comparison between glibornuride (Glutril) and tolbutamide in senile diabetes. A controlled dobble-blind trial] Lindbjerg IF, et al. **Ugeskr Laeger** 138(26):1572–4, 21 Jun 76 (Eng. Abstr.) **(Dan)**

[Clinical testing of Tolbutaphen in the treatment of adult diabetes] Schneider J, et al. **Z Allgemeinmed** 51(2):74–5, 20 Jan 75 **(Ger)**

[University Group Diabetes Program. The UGDP investigation remains clinically unacceptable] Aarseth S. **Tidsskr Nor Laegeforen** 96(22):1148, 10 Aug 76 **(Nor)**

[Use of sulfonylurea preparations in the treatment of children with diabetes mellitus] Baranov VG, et al. **Community Ment Health J** 22(3):3–6, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Use of tolbutamide in diabetes and pregnancy] Villanueva Gasca A, et al. **Ginecol Obstet Mex** 38(226):133–7, Aug 75 (Eng. Abstr.) **(Spa)**

TOXICITY

Tolbutamide treatment of pregnant mice: repeated administration reduces fetal lethality. Belisle RJ, et al. **Teratology** 13(1):65–70, Feb 76

TOLMETIN see under **PYRROLES**

TOLNAFTATE

THERAPEUTIC USE

A double-blind comparison of clotrimazole and tolnaftate therapy of superficial dermatophytoses. Male O. **Postgrad Med J** 50 Suppl 1:75–6, Jul 74

[Remarkable efficacy of tolnaftate on otomycoses (30 cases)] Meunier A, et al. **Ann Otolaryngol Chir Cervicofac** 92(12):669–702, Dec 75 **(Fre)**

TOLONIUM CHLORIDE

Studies on metachromasia. III. Toluidine blue–substrate interaction and metachromasia. Azariah J, et al. **Acta Histochem (Jena)** 53(2):182–91, 1975

pH dependence of singlet oxygen production in aqueous solutions using toluidine blue as a photosensitizer. Pottier R, et al. **Photochem Photobiol** 22(1–2):59–61, Jul–Aug 75

[Supravital staining of the peripheral blood and cultivated lymphocytes with toluidine blue] Pittoni G, et al. **Riv Biol** 67(4):371–94, Oct–Dec 74 **(Eng, Ita)**

[Localization of the parathyroid glands during surgery by means of toluidin blue] Seitz HD, et al. **Tieraerztl Prax** 3(4):497–502, 1975 **(Ger)**

ADMINISTRATION & DOSAGE

[Prevention of hypoparathyroidism after thyroidectomy by intravital staining of the parathyroid glands with toluidine blue O] Cherenko MP. **Klin Khir** (7):5–8, Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Chromatographic, mass spectral, and visible light absorption characteristics of toluidine blue O and related dyes. McKamey MR, et al. **J Pharm Sci** 64(9):1456–62, Sep 75

DIAGNOSTIC USE

Peroral staining method with toluidine blue as an aid in the diagnosis of malignant gastric lesions. Giler S, et al. **Am J Gastroenterol** 65(1):37–40, Jan 76

Three year follow up study of toluidine blue positive and negative hard palate ulcers in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 12(2):113–7, Jun 75

Three year follow-up of toluidine blue positive and negative hard palate ulcer in reverse smoking females. Reddy CR, et al. **Indian J Cancer** 12(2):113–7, Jun 1975

The use of a basic dye (azure A or toluidine blue) plus a cationic surfactant for selective staining of RNA: a technical and mechanistic study. Bennion PJ, et al. **Stain Technol** 50(5):307–13, Sep 75

[Toluidine blue staining of portio. A simple method for determination of premalignant changes] Baandrup U, et al. **Ugeskr Laeger** 138(32):1934–7, 2 Aug 76 (Eng. Abstr.) **(Dan)**

[Toluidine blue test in otorhinolaryngologic cancerology] Perrin C, et al. **J Fr Otorhinolaryngol** 25(2):160, 163–4, Feb

76 (Fre)
[In vivo staining with toluidine blue as a means of localization of the biopsy spot in the oral cavity in suspected epithelial cancer] Sigurdson A, et al. **Sven Tandlak Tidskr** 68(4):117–26, 1975 (Eng. Abstr.) (Swe)

TOLUENE

Repair of x-ray-induced single strand breaks in toluenized Escherichia coli cells. Waldstein EA, et al. **Biochim Biophys Acta** 442(2):154–61, 18 Aug 76
Ostwald solubility coefficients of some industrially important substances. Sherwood RJ. **Br J Ind Med** 33(2):106–7, May 76

ADVERSE EFFECTS

Prolonged cerebellar dysfunction associated with paint-sniffing. Kelly TW. **Pediatrics** 56(4):605–6, Oct 75
[Letter: Fatal bone marrow aplasia after inhalation of gases from toluene containing glue] Isager H. **Ugeskr Laeger** 137(43):2530–2, 20 Oct 75 (Dan)

ANALOGS & DERIVATIVES

A new method of isolation of versicolin, an antifungal antibiotic. Nandy J, et al. **Indian J Biochem Biophys** 12(1):72–3, Mar 75
Evaluation of mycobacillin and versicolin as agricultural fungicides. I. Antifungal spectra and phytotoxicity. Nandi J, et al. **J Antibiot (Tokyo)** 28(12):988–92, Dec 75
In vitro and in vivo evaluation of versicolin, an antifungal antibiotic. Nandi J, et al. **J Antibiot (Tokyo)** 29(1):50–7, Jan 76
[Permeability of the histo-hematic barriers in patients with chronic poisoning by nitro-derivatives of toluol] Kleiner AI, et al. **Gig Tr Prof Zabol** (11):55–6, Nov 75 (Rus)

ANALYSIS

[A gas chromatographic method of determining nitrotoluol isomers in the air] Ivaniuk EG, et al. **Gig Sanit** (6):45–6, Jun 75 (Rus)
[Spectrophotometric determination of toluene in air in the presence of the butyl ester of methacrylic acid] Shevchenko AM. **Gig Sanit** (2):71–2, Feb 75 (Rus)

BLOOD

Determination of benzene and toluene in blood by means of a syringe-equilibration method using a small amount of blood. Sato A, et al. **Br J Ind Med** 32(3):210–4, Aug 75
[The state of the blood system in workers occupationally handling toluene] Gribova IA, et al. **Gig Tr Prof Zabol** (10):6–10, Oct 75 (Eng. Abstr.) (Rus)

METABOLISM

Ubiquity of plasmids in coding for toluene and xylene metabolism in soil bacteria: evidence for the existence of new TOL plasmids. Williams PA, et al. **J Bacteriol** 125(3):818–28, Mar 76
Metabolism of toluene and xylenes by Pseudomonas (putida (arvilla) mt-2: evidence for a new function of the TOL plasmid. Worsey MJ, et al. **J Bacteriol** 124(1):7–13, Oct 75
Respiratory retention of inhaled toluene and benzene in the dog. Egle JL Jr, et al. **J Toxicol Environ Health** 1(3):531–8, Jan 76
The metabolism and accumulation of petroleum components in fish: the side chain oxidation of p-nitrotoluene and p-nitrobenzyl alcohol in liver homogenates of the rat and eel. Omori S, et al. **Physiol Chem Phys** 7(5):477–80, 1975

PHARMACODYNAMICS

Effect of bleomycin on deoxyribonucleic acid synthesis in toluene-treated Escherichia coli cells. Ross SL, et al. **Antimicrob Agents Chemother** 9(2):239–46, Feb 76
DNA polymerase II-dependent DNA synthesis in toluenized Bacillus subtilis cells. Matsushita T. **Basic Life Sci** 5A:259–62, 1975
The synthesis of 3'-dATP and its use as an inhibitor of ATP-dependent DNA synthesis in toluene-treated Escherichia coli. Gumport RI, et al. **Biochemistry** 15(13):2804–9, 29 Jun 76
Hepatic microsomal mixed function oxidase system during toluene treatment and the effect of pretreatment of phenobarbital in adult rats. Mungikar AM, et al. **Bull Environ Contam Toxicol** 15(2):198–204, Feb 76
Activity of citrate synthase in situ in isolated toluenized cells of sea anemone. Sarkissian IV, et al. **Comp Biochem Physiol [B]** 55(1):125–7, 1976
Role of silicon in diatom metabolism. VII. Silicic acid-stimulated DNA synthesis in toluene-permeabilized cells of Cylindrotheca fusiformis. Sullivan CW, et al. **Exp Cell Res** 98(1):23–30, 1 Mar 76
Changes in the activities of hepatic drug metabolizing enzymes and lipid peroxidation caused by benzene and toluene. Pawar SS, et al. **Indian J Biochem Biophys** 12(2):133–5, Jun 75
Role for deoxyribonucleic acid ligase in deoxyribonucleic acid polymerase i-dependent repair synthesis in toluene-treated escherichia coli. Billen D, et al. **J Bacteriol** 124(1):585–8, Oct 75
Excision of pyrimidine dimers in toluene-treated Escherichia coli. Deutsch WA, et al. **J Bacteriol** 125(1):220–4, Jan 76
Two modes of excision repair in toluene-treated Escherichia coli. Sharon R, et al. **J Bacteriol** 123(3):1107–14, Sep 75
Permanent loss of chromosome initiation in toluene-treated Bacillus subtilis cells. Winston S, et al. **J Bacteriol** 123(3):921–7, Sep 75
DNA repair synthesis dependent on the uvrA,B gene products in toluene-treated cells. Moses RE, et al. **J Biol Chem** 250(20):8055–61, 25 Oct 75
Purification and properties of a protein factor stimulating peptidoglycan synthesis in toluene- and LiCl-treated Bacillus megaterium cells. Taku A, et al. **J Biol Chem** 241(7):1889–93, 10 Apr 76
Dehydrogenase activity and microbial population in soils treated with chloroform and toluene. Vishwanath NR, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):348–56, 1975
[Nucleotide composition of RNA, synthesized by polynucleotide phosphorylase, in toluene-treated cells of Escherichia coli] Rebrov LB. **Vopr Med Khim** 21(4):409–17, Jul-Aug 75 (Eng. Abstr.) (Rus)

POISONING

Phenobarbital induced effect on pulmonary and hepatic microsomal ethylmorphine N-demethylase and lipid peroxidation during oral intoxication of organic solvents in rats. Pawar SS, et al. **Bull Environ Contam Toxicol** 15(3):357–65, Mar 76
Influence of phenobarbital and 3-methylcholanthrene pretreatment on kidney microsomal mixed function oxidase system during benzene and toluene intoxication in adult male rats. Pawar SS, et al. **Indian J Biochem Biophys** 12(3):252–4, Sep 75
[Fatal aplasia of the bone marrow following inhalation of vapour from toluene containing glueA1 Isager H. **Ugeskr Laeger** 137(38):2197–8, 15 Sep 75 (Eng. Abstr.) (Dan)
[Evaluation of occupational exposure to toluol, with special reference to hepatotoxic revelancy] Szadkowski D, et al. **Med Monatsschr** 30(1):25–8, Jan 76 (Ger)
[Fatal inhalation of fumes of contact glue] Bloch B, et al. **Harefuah** 89(2):74–5, 15 Jul 75 (Eng. Abstr.) (Heb)
[Urinary excretion of hippuric acid in workers exposed to toluene. Recommendation for a group biological standard (mac) (author's transl] De Rosa E, et al. **Lav Um** 27(1):18–28, Jan 75 (Eng. Abstr.) (Ita)
[Clinical aspects of chronic poisoning with nitro derivatives of toluene in modern industry] Kleiner AI, et al. **Gig Tr Prof Zabol** (3):21–5, Mar 76 (Eng. Abstr.) (Rus)

TOXICITY

The effect of toluene on the liver assayed by quantitative morphological methods. Ungváry G, et al. **Exp Mol Pathol** 25(1):49–59, Aug 76
[Experimental study of the hepatotoxic effect of toluol. II. Electron microscopic and electron histochemical studies] Ungváry G, et al. **Morphol Igazsagugyi Orv Sz** 15(4):256–63, Oct 75 (Eng. Abstr.)
Petroleum hydrocarbon toxicity studies. XIII. Animal and human response to vapors of toluene concentrate. Carpenter CP, et al. **Toxicol Appl Pharmacol** 36(3):473–90, Jun 76
[Occupational chronic exposure to organic solvents. III. Gas-chromatographic determination of hippuric acid in serum (author's transl)] Angerer J, et al. **Int Arch Arbeitsmed** 34(3):199–207, 1975 (Eng. Abstr.) (Ger)
[Experimental study of the hepatotoxic effect of toluol. I. Histological and histochemical studies] Aranka H, et al. **Morphol Igazsagugyi Orv Sz** 15(3):209–17, Jul 75 (Eng. Abstr.) (Hun)
[Experimental study of the heaptotoxic effect of toluol III. Quantitative morphological study] Aranka H, et al. **Morphol Igazsagugyi Orv Sz** 16(3):189–97, Jul 76 (Eng. Abstr.) (Hun)
[Studies on the inhalation toxicity of A-thinner, its principal constituents and chloroform (author's transl)] Kawasaki Y, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):72–7, 1975 (Eng. Abstr.) (Jpn)

URINE

Measurement of toluene and xylene metabolites by gas chromatography. Engström K, et al. **Int Arch Occup Environ Health** 36(3):153–60, 26 Jan 76
[Occupational chronic exposure to organic solvents. IV. Thin-layer chromatographic-densitometric determination of hippuric acid in urine (author's transl)] Angerer J. **Int Arch Occup Environ Health** 36(4):287–97, 9 Mar 76 (Eng. Abstr.) (Ger)

TOLUENE DIISOCYANATE see under **CYANATES**

TOLUENESULFONYL COMPOUNDS see **TOSYL COMPOUNDS**

TOLUIDINE BLUE O see **TOLONIUM CHLORIDE**

TOLUIDINES

Intradermal study of a new local anaesthetic agent aptocaine. Reynolds F, et al. **Br J Anaesth** 48(4):347–54, Apr 76
A simple system to simultaneously measure volatilization and metabolism of pesticides from soils. Kearney PC, et al. **J Agric Food Chem** 24(2):424–6, Mar-Apr 76
[Chlorotoluidine and chlorodianisidine as thin layer chromatography reagents for patulin] Meyer RA. **Nahrung** 20(1):79–80, 1976 (Ger)
[Comparative characteristics of hydrophobic nature of certain proteins by their interaction with 2-p-toluidinonaphthalene-6-sulfonates] Ostrovsky YM. **Ukr Biokhim Zh** 47(6):701–7, Nov-Dec 75 (Eng. Abstr.) (Rus)
[A study of the o-toluidine method for glycogen measurement (author's transl)] Guinovart JJ, et al. **Rev Esp Fisiol** 31(4):317–22, Dec 75 (Eng. Abstr.) (Spa)

ANALYSIS

Degradation of Trifluralin, Oryzalin, and Isopropalin in soil. Golab T, et al. **Environ Qual Saf [Suppl]** 3:258–61, 1975
Separation of benefin and trifluralin by gas chromatography using a liquid crystal column. Hall M, et al. **J Chromatogr Sci** 14(9):451–2, Sep 76

DIAGNOSTIC USE

Metachromasia and improved histologic detail with toluidine blue-hematoxylin and eosin. Conroy JD, et al. **Vet Pathol** 13(1):78–80, 1976

ISOLATION & PURIFICATION

[Experimental studies on the thin-layer chromatographic separation and identification of isomeric toluidines in waters, using specific spary reagents] Thielemann H, et al. **Z Gesamte Hyg** 21(2):129–31, Feb 75 (Eng. Abstr.) (Ger)

METABOLISM

Distribution and binding of radioactivity in the starling after intravenous administration of [14C]3-chloro-p-toluidine. Giri SN, et al. **Exp Mol Pathol** 24(3):392–404, Jun 76

PHARMACODYNAMICS

Comparison between the effects of ST 600 and clonidine. Kho TL, et al. **Arch Int Pharmacodyn Ther** 217(1):162–9, Sep 75
Pharmacological properties of 2-(2-chloro-p-toluidino)-2-imidazoline-nitrate (tolonidine), a new antihypertensive agent. II. Action on cardiac contraction, circulatory parameters, autonomic receptors and diuresis. Cosnier D, et al. **Arzneim Forsch** 25(11):1802–6, Nov 75
The effects of some herbicides and pesticides on sodium uptake by isolated perfused gills from the carp Cyprinus carpio. McBride RK, et al. **Comp Biochem Physiol [C]** 51(1):105–9, 1 Jun 75

THERAPEUTIC USE

[Clinical evaluation of chrotamiton in scabies] Ahumada Padilla M. **Prensa Med Mex** 41(3–4):125–7, Mar-Apr 76 (Spa)

TOLYL PERI ACID see under **NAPHTHALENESULFONATES**

TOMATINE see under **ALKALOIDS**

TOMOGRAPHY

Computer tomography of the orbits. Bergström K. **Acta Radiol [Suppl] (Stockh)** (346):155–60, 1975
Giant drusen (astrocytic hamartoma) of the optic nerve seen with computerized axial tomography. Daily MJ, et al. **Am J Ophthalmol** 81(1):100–1, Jan 76
Computed tomography. **Fortschr Med** 94(20–21):79–80, 15 July 76
Electrical recording and reproduction of ultrasono-tomograms using a VTR. Ide M, et al. **IEEE Trans Biomed Eng** 22(4):340–6, Jul 75
Echotomographic survey in human kidney transplantation. pp. 222–7. Duval JM, et al. **In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.**
Tomographic images of blood pool and perfusion in brain and heart. Phelps ME, et al. **J Nucl Med** 17(7):603–12, Jul 76
Computed tomography. **Med Lett Drugs Ther** 18(19):79080, 27 Aug 76
[Diagnosis of hematoma of the rectus muscle sheath by echotomography] Duval JM, et al. **Ann Chir** 29(6):595–9, Jun 75 (Eng. Abstr.) (Fre)
[Contribution of echotomography in the diagnosis of retroperitoneal masses] Weill F, et al. **Ann Radiol (Paris)** 18(8):763–70, Dec 75 (Fre)
[Significance of echotomography B in the analysis of pronation] Kamina P, et al. **Bull Assoc Anat (Nancy)** 59(167):889–92, Dec 75 (Eng. Abstr.) (Fre)
[Contribution of tomoechography to the diagnosis of jaundice: diagnosis of the dilatation of the main biliary duct and of intrahepatic biliary ducts. Apropos of 24 cases of main bile duct dilatation] Weill F, et al. **J Radiol Electrol Med Nucl** 56(8–9):598–601, Aug-Sep 75 (Fre)
[Echotomographic aspects of alveolar echinococcosis] Weill F, et al. **Med Chir Dig** 4(1):35–7, 1975 (Fre)
[Value of tomoscintigraphy by gamma-camera] Lahneche B, et al. **Strahlentherapie [Sonderb]** 74:389–402, 1975 (Eng.

Abstr.) (Fre)
[The value and limitation of echotomography in the diagnosis of abdominal lymphomas in malignant diseases(author's transl)] Kratochwil A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):410–7, May 75 (Eng. Abstr.) (Ger)
[Indication of tomography in midfacial and frontobasal fractures (author's transl)] Biedermann F, et al. **Radiol Diagn (Berl)** 16(4):609–17, 1975 (Eng. Abstr.) (Ger)
[Measurement of the absorbed dose to the patient by computerized whole-body x-ray thomography with the aid of thermoluminescence dosimeters in an alderson-phantom (author's transl)] Krauss O, et al. **Radiologe** 16(7):288–93, Jul 76 (Eng. Abstr.) (Ger)
[Proceedings: Echotomography of 4 cases of idiopathic cardiomyopathy] Kotoo Y, et al. **Jpn Circ J** 39(7):868–9, Jul 75 (Jpn)
[Clinical uses of scinti-tomograms produced by a scintillation camera (author's transl)] Arimizu N. **Nippon Acta Radiol** 35(3):142–51, 25 Mar 75 (Eng. Abstr.) (Jpn)
[Computer tomography. Experiences of the 1st 200 cases examined at the department of neuroradiology of Umeå hospital] **Lakartidningen** 73(28–29):2475–8, 7 Jul 76 (Eng. Abstr.) (Swe)
[Computerized tomography—economical aspects] Jonsson E. **Lakartidningen** 76(32):2609–14, 4 Aug 76 (Eng. Abstr.) (Swe)

INSTRUMENTATION

Volume estimation of the seminal vesicles by means of transrectal ultrasonotomography: a preliminary report. Tanahashi Y, et al. **Br J Urol** 47(6):695–702, Dec 75
Analytical study of a high-resolution positron ring detector system for transaxial reconstruction tomography. Derenzo SE, et al. **J Nucl Med** 16(12):1166–73, Dec 75
Design and performance characteristics of a whole-body positron transaxial tomograph. Hoffmann EJ, et al. **J Nucl Med** 17(6):493–502, Jun 76
Digital tomographic imaging with time-modulated pseudorandom coded aperture and Anger camera. Koral KF, et al. **J Nucl Med** 16(5):402–13, May 75
Letter: Resolution limit of positron cameras. Muehllehner G. **J Nucl Med** 17(8):757–8, Aug 76
An evaluation of the function of new special equipment for transrectal ultrasonotomography. Watanabe H, et al. **Tohoku J Exp Med** 118(4):387–92, Apr 76
Quantitative colour-ultrasonography by means of a computer aided simultaneous tomogram. Yokoi H, et al. **Ultrasonics** 13(5):219–24, Sep 75
[Contribution of transverse axial tomography with integrated calculator to ophthalmological and neuro-ophthalmological diagnosis] Goddé-Jolly D, et al. **Bull Soc Ophtalmol Fr** 75(9–10):851–6, Sep-Oct 76 (Fre)
[Acute lymphoblastic leukemia with cerebral lesions observed by axial transverse computerized tomography] Gastaut JA, et al. **Nouv Rev Fr Hematol** 15(5):517–26, Sep-Oct 75 (Fre)
[High speed scanning apparatus of ultrasonic cardiac tomography] Takemura Y, et al. **Jpn J Med Electron** 14(1):76–7, Feb 76 (Jpn)

METHODS

Letter: Computer tomography and diagnosis of CNS lesions. Jacob JC, et al. **Can Med Assoc J** 113(10):922, 22 Nov 75
External detection and visualization of myocardial ischemia with 11C-substrates in vitro and in vivo. Weiss ES, et al. **Circ Res** 39(1):24–32, Jul 76
Real-time observation of ruptured right sinus of Valsalva aneurysm by high speed ultrasono-cardiotomography. Report of a case. Nishimura K, et al. **Circulation** 53(4):732–5, Apr 76
Transrectal ultrasonotomography of the prostate. Watanabe H, et al. **J Urol** 114(5):734–9, Nov 75
Ultrasonic tomography of the orbit. Coleman DJ. **Mod Probl Ophthalmol** 14:236–9, 1975
A simple absorption correction in positron (annihilation gamma coincidence detection) transverse axial tomography. Eriksson L, et al. **Phys Med Biol** 21(3):429–33, May 76
Computerized axial tomography in paediatric neurology and neurosurgery. Till K. **Proc R Soc Med** 68(11):713–6, Nov 75
A positron-emission transaxial tomograph for nuclear imaging (PETT). Ter-Pogossian MM, et al. **Radiology** 114(1):89–98, Jan 75
[Perspectives for contact B echotomography in ophthalmology] Poujol MJ. **Bull Soc Ophtalmol Fr** 75(2):185–91, Feb 75 (Eng. Abstr.) (Fre)
[Letter: Role of real time ultrasonic images] Weil F. **Nouv Presse Med** 4(43):3069, 13 Dec 75 (Fre)
[Clinical studies on the prostatic volume and shape by means of transrectal ultrasonotomography (author's transl)] Igari D. **Jpn J Urol** 67(1):28–39, Jan 76 (Eng. Abstr.) (Jpn)
[Otimization of the parameters of the collimation system of radioisotope tomography] Chernobrovkin VP, et al. **Med Radiol (Mosk)** 21(3):64–8, Mar 76 (Eng. Abstr.) (Rus)
[Computerized axial tomography of the head. Initial evaluation] Baker HL Jr, et al. **Acta Neurol Lat Am** 19(1–4):1–9, 1973 (Eng. Abstr.) (Spa)

STANDARDS

[Simple tests to control a tomographic device (author's transl)] Galanski M, et al. **Roentgenblaetter** 29(2):91–5, Feb 76 (Eng. Abstr.) (Ger)

TOMOGRAPHY, RADIOGRAPHIC

Myelotomography in the diagnosis of lumbo-sacral disc prolapse. Agnoli A. **Acta Neurochir (Wien)** 32(1–2):113–23, 1975
Proceedings: The EMI scan in head injury. Uttley D. **Acta Neurochir (Wien)** 31(3–4):258, 1975
Computer tomography of the brain in multiple sclerosis. A radiological study of 110 patients with special reference to demonstration of cerebral plaques. Gyldensted C. **Acta Neurol Scand** 53(5):386–9, May 76
Computer assisted axial tomography in cerebrovascular lesions. Cronqvist S, et al. **Acta Radiol [Diagn] (Stockh)** 16(2):135–45, Mar 75
Layer formation in narrow beam rotation radiography. Welander U. **Acta Radiol [Diagn] (Stockh)** 16(5):529–40, Sep 75
Multidirectional tomography in reconstructive middle ear surgery. Wilbrand HF, et al. **Acta Radiol [Diagn] (Stockh)** 16(5):436–48, Sep 75
One year's experience with computer tomography. Greitz T. **Acta Radiol [Suppl] (Stockh)** (346):7–13, 1975
Computer tomography for diagnosis of intracranial tumours compared with other neuroradiologic procedures. Greitz T. **Acta Radiol [Suppl] (Stockh)** (346):14–20, 1975
Computer cisternography of extracerebral tumours using lumbar injection of water-soluble contrast medium. Grepe A, et al. **Acta Radiol [Suppl] (Stockh)** (346):51–62, 1975
Size of the intracerebral ventricles as measured with computer tomography, encephalography and echoventriculography. Hanson J, et al. **Acta Radiol [Suppl] (Stockh)** (346):98–106, 1975
Contrast medium enhancement with time in computer tomography. Differential diagnosis of intracranial lesions. Hatam A, et al. **Acta Radiol [Suppl] (Stockh)** (346):63–81, 1975
Elimination of water-soluble contrast media from the subarachnoid space. Investigation with computer tomography. Hindmarsh T. **Acta Radiol [Suppl] (Stockh)** (346):45–9, 1975
Computer tomography of traumatic intra- and extracerebral lesions. Levander B, et al. **Acta Radiol [Suppl] (Stockh)** (346):107–18, 1975
Computer tomography in cerebral death. Rådberg C, et al. **Acta Radiol [Suppl] (Stockh)** (346):119–29, 1975
Computer tomography compared with spectrophotometry of cerebrospinal fluid in cerebrovascular diseases. Söderström CE, et al. **Acta Radiol [Suppl] (Stockh)** (346):130–42, 1975
Quantitative estimation of intracerebral and intraventricular hematoma by computer tomography. Steiner L, et al. **Acta Radiol [Suppl] (Stockh)** (346):143–54, 1975
Letter: Axial tomography. Trokel SL, et al. **Am J Ophthalmol** 81(4):535–6, Apr 76
Letter: CAT scans in children with behavior disorders. Small JG, et al. **Am J Psychiatry** 133(5):584, May 76
Computed tomography of the normal and infarcted myocardium. Adams DF, et al. **Am J Roentgenol** 126(4):786–91, Apr 76
Computed tomography of the liver. Alfidi RJ, et al. **Am J Roentgenol** 127(1):69–74, Jul 76
The effects of biological motion on CT resolution. Alfidi RJ, et al. **Am J Roentgenol** 127(1):11–5, Jul 76
Computed tomographic evaluation of aortic aneurysms. Axelbaum SP, et al. **Am J Roentgenol** 127(1):75–8, Jul 76
Computed tomograpy and neuroradiology: a fortunate primary union. Baker HL Jr. **Am J Roentgenol** 127(1):101–10, Jul 76
Computed tomography in infants and children: intracranial neoplasms. Berger PE, et al. **Am J Roentgenol** 127(1):129–37, Jul 76
Picture processing in computed tomography. Bergström M, et al. **Am J Roentgenol** 127(1):17–21, Jul 76
Stereotaxic computed tomography. Bergström M, et al. **Am J Roentgenol** 127(1):167–70, Jul 76
Computed tomography and brain scintigraphy in ischemic stroke. Chiu LC, et al. **Am J Roentgenol** 127(3):481–6, Sep 76
Computed tomography and radionuclide studies in the diagnosis of intracranial disease. Christie JH, et al. **Am J Roentgenol** 127(1):171–4, Jul 76
Health planning for computed tomography: perspectives and problems. Cloe LE. **Am J Roentgenol** 127(1):187–90, Jul 76
Individualized computer tomography of the skull with the EMI scanner using the 160 X 160 matrix. Cornell SH, et al. **Am J Roentgenol** 126(4):779–85, Apr 76
Computed tomographic evaluation of hemorrhage secondary to intracranial aneurysm. Davis KR, et al. **Am J Roentgenol** 127(1):143–53, Jul 76
Some limitations of computed tomography in the diagnosis of neurological diseases. Davis KR, et al. **Am J Roentgenol** 127(1):111–23, Jul 76
Economic analysis of computed tomography units. Evens RG, et al. **Am J Roentgenol** 127(1):191–8, Jul 76
Editorial: orientation of CT images. Figley MM, et al. **Am J Roentgenol** 127(1):199, Jul 76
Trends in the development of reconstruction tomography in neuroradiology. Greitz T. **Am J Roentgenol** 127(1):125–7, Jul 76
Frontal ventricular dimensions on normal computed tomography. Hahn FJ, et al. **Am J Roentgenol** 126(3):593–6, Mar 76
Picture quality of computed tomography. Hounsfield GN. **Am J Roentgenol** 127(1):3–9, Jul 76
Further progress in CT scanning and computerized radiation therapy treatment planning. Jelden GL, et al. **Am J Roentgenol** 127(1):179–85, Jul 76
Computerized tomography (CT) in acute head trauma. Merino-deVillasante J, et al. **Am J Roentgenol** 126(4):765–78, Apr 76
Computerized reconstructive tomography applied to breast pathology. Reese DF, et al. **Am J Roentgenol** 126(2):406–12, Feb 76
Computed tomography; the anatomic basis of the zone of diminished density surrounding meningiomas. Sigel RM, et al. **Am J Roentgenol** 127(1):139–41, Jul 76
Computed tomography of the body: early trends in application and accuracy of the method. Stanley RJ, et al. **Am J Roentgenol** 127(1):53–67, Jul 76
The challenge of computed tomography. Ter-Pogossiam MM. **Am J Roentgenol** 127(1):1–2, Jul 76
Demonstration of purulent bacterial intracranial infections by computed tomography. Zimmerman RA, et al. **Am J Roentgenol** 127(1):155–65, Jul 76
Radionuclide studies in bronchogenic carcinoma of the Hilum. Scintigraphy and tomography: their complementary features. **Am J Roentgenol Radium Ther Nucl Med** 125(3):640–50, Nov 75
Tomography of the kidney bed as an aid in differentiating renal pelvic tumor and stone. Ambos MA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):331–6, Oct 75
Cerebral infarction diagnosis by computerized tomography. Analysis and evaluation of findings. Davis KR, et al. **Am J Roentgenol Radium Ther Nucl Med** 124(4):643–60, Aug 75
Tomography of pelvic-abdominal masses during intravenous urography. An added dimension. Peck AG, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):322–30, Oct 75
Anesthesia for brain computer tomography. Aidinis SJ, et al. **Anesthesiology** 44(5):420–5, May 76
Diagnosis of radiosensitive hypothalamic tumors with craniotomy: endocrine and neuroradiologic studies of intracranial atypical teratomas. Spiegel AM, et al. **Ann Intern Med** 85(3):290–3, Sep 76
Letter: Computerized tomography in progressive multifocal leukoencephalopathy. Bosch EP, et al. **Arch Neurol** 33(3):216, Mar 76
Computerized axial tomography of intracerebral hematoma. A clinical and neuropathological study. Butzer JF, et al. **Arch Neurol** 33(3):206–14, Mar 76
Computerized tomography of the head: a preliminary report on its use in the diagnosis of internal auditory canal and cerebellopontine lesions. Messina AV. **Arch Otolaryngol** 102(9):566–7, SEP 76
Computerized tomography and angiography in subarachnoid haemorrhage. Kendall BE, et al. **Br J Radiol** 49(582):483–501, Jun 76
Axial hypocycloidal tomography of the orbits. Lloyd GA. **Br J Radiol** 48(570):460–4, Jun 75
Proceedings: The reliability of computerized transaxial tomography in diagnosing acute traumatic intracranial haematoma. Galbraith S, et al. **Br J Surg** 63(2):157, Feb 76
An assessment of the accuracy of computerized transverse axial scanning (EMI scanner) in the diagnosis of intracranial tumour. A review of 366 patients. Ambrose J, et al. **Brain** 98(4):569–82, Dec 75
Interpretation of the computerized tomographic scan. Banna M. **Can J Neurol Sci** 3(2):123–32, May 76
Computerized transaxial tomography: its role in the post-operative tumor case. Wortzman G. **Can J Neurol Sci** 3(1):51–8, Feb 76
Computerized (axial) tomography in the serial study of cerebral tumors treated by radiation. A preliminary report. Carella RJ, et al. **Cancer** 37(6):2719–28, Jun 76
Xerotomography of peripheral lung lesions. Maklad NF, et al. **Chest** 69(4):516–8, Apr 76
Coordinated investigation of cystic astrocytomas by nuclear medicine and neuroradiological techniques. Gilday DL, et al. **Childs Brain** 1(1):34–45, 1975
Computerised axial tomography. Particular applications and advantages in paediatric neurosurgery. Till K. **Childs Brain** 2(1):46–53, 1976
Definitive treatment of a large pyogenic liver abscess with CT guidance. Haaga RJ, et al. **Cleve Clin Q** 43(2):85–8, Summer 76
The whole body scan. Computed tomography (CT)—a major advance in the diagnosis of cancer. Watson RC. **Clin Bull** 6(2):47–51, 1976
Whole lung tomography in metastatic disease. Polga JP, et al. **Clin Radiol** 27(1):53–6, Jan 76
Three-dimensional image reconstruction from in vivo consecutive transverse axial sections. Huang HK, et al. **Comput Biol Med** 5(3):165–70, Sep 75
Enhanced display of three-dimensional data from computerized x-ray tomograms. Peters TM. **Comput Biol Med** 5(1–2):49–52, Jun 75
Agenesis of the corpus callosum revealed by computerized tomography. Rothner AD, et al. **Dev Med Child Neurol**

18(2):160–6, Apr 76
Computerized tomography: A recent advance in evaluating senile dementia. Fox JH, et al. **Geriatrics** 30(11):97–100, Nov 75
Putting the leash on 'CAT'. Phillips DF, et al. **Hospitals** 50(13):45–9, 1 Jul 76
Computerized axial tomography, carotid angiography and orbital phlebography in the diagnosis of space-occupying lesions of the orbit. pp. 361–9. Moseley IF, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**
The use of Compton scattered gamma rays for tomography. Clarke RL, et al. **Invest Radiol** 11(3):225–35, May–Jun 76
The teaching role of chest tomography. Fullingim DR. **J Am Osteopath Assoc** 74(11):1059–67, Jul 75
Computed tomography using the EMI scanner: Part II. Intracranial pathology. Reich NE, et al. **J Am Osteopath Assoc** 74(12):1133–8, Aug 75
Computed tomography of the total body: Part II. The abnormal scan. Reich NE, et al. **J Am Osteopath Assoc** 75(7):651–7, Mar 76
Computed tomography using the EMI scanner: Part I. The apparatus, the normal scan, and its variants. Seidelmann FE, et al. **J Am Osteopath Assoc** 74(12):1125–32, Aug 75
Computed tomography of the total body: Part I. Technical advances, devices, and normal scans. Seidelmann FE, et al. **J Am Osteopath Assoc** 75(7):644–50, Mar 76
The use of tomography in the assessment of fractures of the tibial plateau. Elstrom J, et al. **J Bone Joint Surg [Am]** 58(4):551–5, Jun 76
Computerized axial tomography. Douglas MA. **J Miss State Med Assoc** 17(6):155–60, Jun 76
Principles of computerized tomography. Hassani N, et al. **J Natl Med Assoc** 68(2):110–2, Mar 76
Computerized tomography (the EMI Scanner): a comparison with pneumoencephalography and ventriculography. Gawler J, et al. **J Neurol Neurosurg Psychiatry** 39(3):203–11, Mar 76
Correlative assay of computerized cranial tomography CCT, water content and specific gravity in normal and pathological postmortem brain. Torack RM, et al. **J Neuropathol Exp Neurol** 35(4):385–92, Jul 76
Hemorrhage in bilateral choroid plexus hemangiomas demonstrated by computed tomography. Case report. Towfighi J, et al. **J Neurosurg** 45(2):218–22, Aug 76
'Emmy is here and working'. **J Okla State Med Assoc** 69(3):91–3, Mar 76
Computed tomography in children: a new diagnostic technique. Harwood-Nash DC, et al. **J Pediatr** 89(3):343–57, Sep 76
Computed cranial tomography. Prochaska JM, et al. **J Tenn Med Assoc** 68(10):800–1, Oct 75
Computerized tomography of the head. Baker HL, et al. **JAMA** 233(12):1304–8, 22 Sep 75
Computerized tomography and benign intracranial hypertension. Delaney P, et al. **JAMA** 236(8):951–2, 23 Aug 76
Editorial: Computer-assisted tomography. Mark VH. **JAMA** 234(11):1169–70, 15 Dec 75
Cerebral blood volume in man. Computer analysis of a computerized brain scan. Penn RD, et al. **JAMA** 234(11):1154–5, 15 Dec 75
Computerized body tomography with the ACTA scanner. Twigg HL, et al. **JAMA** 234(3):314–7, 20 Oct 75
E.M.I. scan in the management of head injuries. Ambrose J, et al. **Lancet** 1(7964):847–8, 17 Apr 76
Letter: E.M.I. and radioisotope brain imaging. Britton KE, et al. **Lancet** 1(7957):477–8, 28 Feb 76
Letter: E.M.I. and radioisotope brain imaging. Britton KE, et al. **Lancet** 1(7965):904–5, 24 Apr 76
Letter: E.M.I. and radioisotope brain scanning. du Boulay G, et al. **Lancet** 1(7959):583–4, 13 Mar 76
Comparison of E.M.I. and radioisotope imaging in neurological disease. Du Boulay GH, et al. **Lancet** 2(7948):1294–7, 27 Dec 75
Intracerebral haemorrhage. Accuracy of computerised transverse axial scanning in predicting the underlying aetiology. Hayward RD, et al. **Lancet** 1(7949):1–4, 3 Jan 76
Letter: E.M.I. scan and head injuries. Jennett B, et al. **Lancet** 1(7967):1026, 8 May 76
Letter: Computer-assisted tomograpy and tuberous sclerosis. Martin GI. **Lancet** 1(7951):147, 17 Jan 76
Letter: E.M.I. and radioisotope brain imaging. Monro P. **Lancet** 1(7960):640, 20 Mar 76
Letter: E.M.I. and radioisotope brain imaging. Monro P. **Lancet** 1(7969):1123–4, 22 May 76
Preoperative laminagraphic evaluation of the sphenoid sinus for transsphenoidal surgery. Rothman SL, et al. **Laryngoscope** 85(12 pt 1):1986–98, Dec 75
55 degrees oblique hilar tomography. Brown LR, et al. **Mayo Clin Proc** 51(2):89–95, Feb 76
The use of computerized transaxial tomography in the diagnosis of tuberous sclerosis. Gomez MR, et al. **Mayo Clin Proc** 50(9):553–6, Sep 75
Modulation transfer functions of tomographic systems. Das Y, et al. **Med Biol Eng** 14(1)760310–760415–3):65–8, Jan 76
Letter: Unforeseen clinicoanatomical correlation in the brain detected by computerized tomography. Battino D, et al. **Med J Aust** 1(20):759–60, 15 May 76
Exposure values around an x-ray scanning transaxial tomograph (EMI scanner). Gross G, et al. **Med Phys** 2(5):282, Sep–Oct 75
Variation of ACTA scanner numbers with the physical properties of the scanned material. Kiker WE, et al. **Med Phys** 3(1):42–4,
Photon attenuation in computed tomography. McCullough EC. **Med Phys** 2(6):307–20, Nov–Dec 75
Spectral effects on three-dimensional reconstruction from rays. McDavid WD, et al. **Med Phys** 2(6):321–4, Nov–Dec 75
Mathematical model of conventional tomography. Orphanoudakis SC, et al. **Med Phys** 3(4):224–32, Jul–Aug 76
Letter: Some like CAT fever. **N Engl J Med** 295(5):282–3, 29 Jul 76
Comparing Evans' index and computerized axial tomography in assessing relationship of ventricular size to brain size. Synek V, et al. **Neurology** 26(3):231–3, Mar 76
Optimal utilization of computerized cranial tomography and radionuclide brain imaging. Alderson PO, et al. **Neurology (Minneap)** 26(9):803–7, Sep 76
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. Gado MH, et al. **Neurology (Minneap)** 26(6 PT 1):555–60, Jun 76
Computerized axial transverse tomography in normal pressure hydrocephalus. Jacobs L, et al. **Neurology (Minneap)** 26(6 PT 1):501–7, Jun 76
Computerized axial transverse tomography in cerebrovascular disease. Kinkel WR, et al. **Neurology (Minneap)** 26(10):924–30, Oct 76
Cranial computerized tomography in the diagnosis of brain disorders in infants and children. Kazner E, et al. **Neuropaediatrie** 7(2):136–74, May 76 (15 ref.)
Observations on the differentiation of hydrocephalus occlusus in infancy and early childhood using computerized axial tomography (CAT). Ostertag C, et al. **Neuropaediatrie** 7(3):322–6, Aug 76
Computerized tomography: abnormal intracerebral collections of blood in children. Berger PE, et al. **Neuroradiology** 11(1):29–33, 1976
The limitations of definition of blood vessels with computer intravenous angiography. Bergström M, et al. **Neuroradiology** 11(1):35–40, 1976
Demonstration of cystic brain tumors by angiotomography. Bonneville JF, et al. **Neuroradiology** 9(4):183–6, 29 Aug 75
Delineation of pituitary adenomas by angiotomography. Bonneville JF, et al. **Neuroradiology** 11(1):49–51, 1976
Contrast enhancement by arterial perfusion during computerized tomography. Coin CG, et al. **Neuroradiology** 11(3):119–21, 16 Jul 76
Measurements of the normal ventricular system with computer tomography of the brain. A preliminary study on 44 adults. Gyldensted C, et al. **Neuroradiology** 10(4):205–13, 1976
Computer tomography in the diagnosis of cerebellopontine angle tumours. Gyldensted C, et al. **Neuroradiology** 11(4):191–7, 30 Jul 76
Measurement of effective atomic number and electron density using an EMI scanner. Rutherford RA, et al. **Neuroradiology** 11(1):15–21, 1976
Computerized axial tomography of the orbit. Leone CR Jr, et al. **Ophthalmic Surg** 7(2):34–44, Summer 76
Computed tomography of the head in infants and children. Gomez MR, et al. **Pediatr Clin North Am** 23(3):473–98, Aug 76
Computerized tomography in the detection of intracranial metastases in children. Dyment PG, et al. **Pediatrics** 58(1):72–7, Jul 76
Beam hardening in x-ray reconstructive tomography. Brooks RA, et al. **Phys Med Biol** 21(3):390–8, May 76
Study of contrast and modulation mechanisms in X-ray/photon transverse axial transmission tomography. Cho ZH, et al. **Phys Med Biol** 20(6):879–89, Nov 75
Computed tomography of the body. A new horizon. Alfidi RJ, et al. **Postgrad Med** 59(8):133–6, AUG 76
Computed tomography of the head in adults. Lin JP. **Postgrad Med** 59(8):113–9, AUG 76
Principles of computed tomography. Marshall CH. **Postgrad Med** 59(8):105–9, AUG 76
Computed tomography of the head in children. Naidich TP, et al. **Postgrad Med** 59(8):123–9, AUG 76 (12 ref.)
Non-invasive diagnosis of brain tumors. Jerva MJ, et al. **Proc Inst Med Chic** 30(9):280–1, Oct–Dec 75
Jerman Memorial Lecture. New images in radiology. Idstrom LG. **Radiol Technol** 47(6):357–63, May–Jun 76 (Eng. Abstr.)
On cats and the territorial imperative. Alfidi RJ, et al. **Radiology** 120(2):453, Aug 76
On cats and the territorial imperative. Alfidi RJ, et al. **Radiology** 120(2):453, Aug 76
Theory of image reconstruction in computed tomography. Brooks RA, et al. **Radiology** 117(3 Pt 1):561–72, Dec 75
The use of computed tomography for radiation therapy treatment planning. Chernak ES, et al. **Radiology** 117(3 Pt 1):613–4, Dec 75
The effect of steroids on the extravascular distribution of radiographic contrast material and technetium pertechnetate in brain tumors as determined by computed tomography. Crocker EF, et al. **Radiology** 119(2):471–4, May 76
Diagnosis of epidermoid tumor by computed tomography. Analysis and evaluation of findings. Davis KR, et al. **Radiology** 119(2):347–53, May 76
Computed tomography in metastatic disease of the brain. Deck MD, et al. **Radiology** 119(1):115–20, Apr 76
Computed tomography of spinal cord after lumbar intrathecal introduction of metrizamide (computer-assisted myelography). Di Chiro G, et al. **Radiology** 120(1):101–4, Jul 76
Computed tomography in adrenoleukodystrophy. Correlation of radiological and histological findings. Duda EE, et al. **Radiology** 120(2):349–50, Aug 76
Computed tomography in adrenoleukodystrophy. Correlation of radiological and histological findings. Duda EE, et al. **Radiology** 120(2):349–50, Aug 76
Computed tomography in Graves' ophthalmopathy. Enzmann D, et al. **Radiology** 118(3):615–20, Mar 76
Computed tomography in orbital pseudothumor (idiopathic orbital inflammation). Enzmann D, et al. **Radiology** 120(3):597–601, Sep 76
Computed tomography of granulomatous basal arachnoiditis. Enzmann DR, et al. **Radiology** 120(2):341–4, Aug 76
Computed tomography of granulomatous basal arachnoiditis. Enzmann DR, et al. **Radiology** 120(2):341–4, Aug 76
Editorial: Computed tomography display. Eyler WR, et al. **Radiology** 119(2):487–8, May 76
The peripheral zone of increase density in cranial computed tomography. Gado M, et al. **Radiology** 117(1):71–4, Oct 75
An extravascular component of contrast enhancement in cranial computed tomography. Part II. Contrast enhancement and the blood–tissue barrier. Gado MH, et al. **Radiology** 117(3 Pt 1):595–7, Dec 75
An extravascular component of contrast enhancement in cranial computed tomography. Part I. The tissue–blood ratio of contrast enhancement. Gado MH, et al. **Radiology** 117(3 Pt 1):589–93, Dec 75
Potential artifacts associated with the scanning pattern of the EMI scanner. Goodenough DJ, et al. **Radiology** 117(3 Pt 1):615–9, Dec 75
Precise biopsy localization by computer tomography. Haaga JR, et al. **Radiology** 118(3):603–7, Mar 76
The normal range and position of the pineal gland on computed tomography. Hahn JY, et al. **Radiology** 119(3):599–600, Jun 76
Computed coronal tomography. Hammerschlag SB, et al. **Radiology** 120(1):219–20, Jul 76
Computed tomography in the diagnosis of pseudotumor cerebri. Huckman MS, et al. **Radiology** 119(3):593–7, Jun 76
Angiographic findings in recurrent meningioma. Lee KF, et al. **Radiology** 119(1):131–9, Apr 76
Computer tomography: the 'resolving' intracerebral hemorrhage. Messina AV, et al. **Radiology** 118(3):609–13, Mar 76
Computed tomography: evaluation of the posterior third ventricle. Messina AV, et al. **Radiology** 119(3):581–92, Jun 76
Computed tomography: demonstration of contrast medium within cystic tumors. Messina AV, et al. **Radiology** 120(2):345–7, Aug 76
Computed tomography: contrast media within subdural hematomas. A preliminary report. Messina AV. **Radiology** 119(3):725–6, Jun 76
Computed tomography: demonstration of contrast medium within cystic tumors. Messina AV, et al. **Radiology** 120(2):345–7, Aug 76
Cerebral angiotomography. Morris JL, et al. **Radiology** 120(1):105–9, Jul 76
Evaluation of pediatric hydrocephalus by computed tomography. Naidich TP, et al. **Radiology** 119(2):337–45, May 76
Evaluation of sellar and parasellar masses by computed tomography. Naidich TP, et al. **Radiology** 120(1):91–9, Jul 76 (15 ref.)
Computed tomography in the diagnosis of extra-axial posterior fossa masses. Naidich TP, et al. **Radiology** 120(2):333–9, Aug 76
Computed tomography in the diagnosis of extra-axial posterior fossa masses. Naidich TP, et al. **Radiology** 120(2):333–9, Aug 76
Predicting tomographic levels for urography. Newberg AH, et al. **Radiology** 118(2):460, Feb 76
Computed tomography in the evaluation of malignant glioma before and after therapy. Norman D, et al. **Radiology** 121(1):85–8, Oct 76
Computed tomography in a community hospital. O'Connor DJ, et al. **Radiology** 119(3):601–2, Jun 76
The usefulness of computed tomography during and after radiation therapy in patients with brain tumors. Pay NT, et al. **Radiology** 121(1):79–83, Oct 76
Subependymal and intraventricular hemorrhage in neonates. Early diagnosis by computed tomography. Pevsner PH, et al. **Radiology** 119(1):111–4, Apr 76
Correlation of effective atomic number and electron density with attenuation coefficients measured with polychromatic x rays. Phelps ME, et al. **Radiology** 117(3 Pt 1):585–8, Dec 75
Attenuation coefficients of various body tissues, fluids, and lesions at photon energies of 18 to 136 keV. Phelps ME, et al. **Radiology** 117(3 Pt 1):573–83, Dec 75
Quantification of bone mineralization using computed tomography. Rüegsegger P, et al. **Radiology** 121(1):93–7, Oct 76
Early clinical experience with motionless whole-body computed tomography. Sagel S, et al. **Radiology** 119(2):321–30, May 76
Computed tomography of the abdomen. Early experience with the EMI body scanner. Stephens DH, et al.

Radiology 119(2):331–5, May 76
Positional shift of intraventricular blood clots demonstrated by computed tomography. Vermess M, et al. **Radiology** 118(2):341–2, Feb 76
Computed tomography in diastematomyelia. Weinstein MA, et al. **Radiology** 117(3 Pt 1):609–11, Dec 75
Contrast enhancement of cerebral infarcts in computed tomography. Wing SD, et al. **Radiology** 121(1):89–92, Oct 76
Feasibility of coronal views in computed scanning of the head. Wolf BS, et al. **Radiology** 120(1):217–8, Jul 76
Cranial computed tomography: An evaluation of cost effectiveness. Wortzman G, et al. **Radiology** 117(1):75–7, Oct 75
Recent ischemic brain infarcts at computed tomography: appearances pre- and postcontrast infusion. Yock DH Jr, et al. **Radiology** 117(3 Pt 1):599–608, Dec 75
The effect of the kVp level on EMI values. Selective imaging of various materials with different kVp settings. Zatz LM. **Radiology** 119(3):683–8, Jun 76
Computer tomographic localization for radiotherapy of cerebral tumors. Zimmerman RA, et al. **Radiology** 119(1):230–1, Apr 76
Computerized transaxial tomogram. Relationship to other neurodiagnostic procedures. Boulware FT Jr. **Rocky Mt Med J** 72(10):435–8, Oct 75
Computerised axial tomography. Joubert MJ. **S Afr Med J** 50(28):1103–9, 3 Jul 76
Letter: Computerized tomography of the gallbladder and biliary tract. Alfidi RJ. **Semin Roentgenol** 11(3):143, Jul 76
Infusion tomography of the gallbladder. Love L. **Semin Roentgenol** 11(3):181–4, Jul 76
Comparison of computerized tomography and radionuclide imaging in 'stroke'. Gado MH, et al. **Stroke** 7(2):109–13, Mar–Apr 76
The contribution of computerized axial tomography to the diagnosis of cerebellar and pontine hematomas. Müller HR, et al. **Stroke** 6(5):467–75, Sep–Oct 75
Failure of computerized axial tomography to demonstrate a chronic subdural hematoma. Dublin AB, et al. **Surg Neurol** 6(1):23–4, Jul 76
Epidermoid of the fourth ventricle: discovery by computerized tomography. Gendell H, et al. **Surg Neurol** 5(1):37–9, Jan 76
Diagnosis of intrathalamic cyst by computerized tomographic scan. Gregorius FK, et al. **Surg Neurol** (3):191–3, Sep 76
Cerebral tuberculoma localized by EMI scan. Leibrock L, et al. **Surg Neurol** 5(5):305–6, May 76
Computerized tomography correlated with CSF protein concentrations. Salcman M, et al. **Surg Neurol** 5(1):57–8, Jan 76
Atlas of the human brain for use in diagnosis by computer-assisted tomography. Schoultz TW, et al. **Surg Neurol** 5(4):255–66, Apr 76
Comparison of ultrasonography, computerized tomography (EMI scan), and radiographic techniques in evaluation of exophthalmos. Dallow RL, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):305–22, Mar–Apr 76
High resolution computerized tomography and B-scan ultrasonography of the orbits. Hilal SK, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP607–17, Jul–Aug 76
Computerized axial transverse tomography in the diagnosis of orbital tumors. Jacobs L, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):323–33, Mar–Apr 76
The pendulum of progress. Miller SJ. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP58–63, Jan–Feb 76
Computerized axial tomography of intracerebral hemorrhage: a clinical and neuropathologic study. Butzer JF, et al. **Trans Am Neurol Assoc** 100:35–8, 1975
Computerized tomographic scanning (EMI scan) in neuro-ophthalmology. Sanders MD, et al. **Trans Ophthalmol Soc UK** 95(2):237–45, Jul 75
Computer-assisted tomography (EMI scan) in orbital and neuro-ophthalmologic diagnosis. Sanders MD. **Trans Pac Coast Otoophthalmol Soc** 56:17–42, 1975
Bolus nephrotomography in diagnosis of lesions of kidney. Greene LF, et al. **Urology** 7(2):221–7, Feb 76
Computerized tomography: a new clinical modality. Smith DR, et al. **Va Med Mon** 102(10):827–34, Oct 75
Amebic hepatic abscess: demonstration by total body opacification and tomography. McCort JJ. **West J Med** 124(5):426–8, May 76
[Participation of selective tomography in the diagnosis of the pain-dysfunction syndrome of the temporomandibular joint] Gosserez M, et al. **Acta Stomatol Belg** 72(4):787–92, 1975 **(Fre)**
[Role of selective tomography in the diagnosis of the temporomandibular joint pain and dysfunction syndrome] Gosserez M, et al. **Acta Stomatol Belg** 72(4):787–92, 1975 **(Fre)**
[The value of tomography in diagnosis in maxillofacial surgery] Hary M, et al. **Acta Stomatol Belg** 72(4):755–60, 1975 **(Fre)**
[Panoramic tomography: its indications and limitations in the dental office] Garcias D, et al. **Actual Odontostomatol (Paris)** (112):563–90, Dec 75 (Eng. Abstr.) **(Fre)**
[Diagnosis of intracranial fluid collections by way of angiotomography] Bonneville JF, et al. **J Radiol Electrol Med Nucl** 56(8–9):554–6, Aug–Sep 75 **(Fre)**
[Angiotomographic symptomatology in cerebral tumors] Bonneville JF. **J Radiol Electrol Med Nucl** 56 suppl 1:10–1, 1975 **(Fre)**
[Angiotomography of abdominal arteries, especially of their digestive and renal branches] Lamarque JL, et al. **J Radiol Electrol Med Nucl** 56(8–9):550–3, Aug–Sep 75 **(Fre)**
[Angiotomography of the vertebro-basilar circulation. Normal anatomy] Rosa M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:4–5, 1975 **(Fre)**
[Selective tomography in the study of the temporo-mandibular joint. (author's transl)] Tréheux A, et al. **J Radiol Electrol Med Nucl** 56(10):691–7, Oct 75 (Eng. Abstr.) **(Fre)**
[Contribution of axial computer assisted tomography to the diagnosis of aresorptive hydrocephalus] Wiggli U, et al. **Rev Neurol (Paris)** 132(6):405–14, Jun 76 (Eng. Abstr.) **(Fre)**
[Transverse axial computerized tomography (EMI scan): value and indications (author's transl)] Grumme T, et al. **Dtsch Med Wochenschr** 101(20):765–9, 14 May 76 (Eng. Abstr.) **(Ger)**
[The scope and limitations in the demonstration of vessels by angiotomography; their relationship with contrast and size and between detail and direction of cut (author's transl)] Freyschmidt J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):301–7, Oct 75 (Eng. Abstr.) **(Ger)**
[The effect of form and extent of movement in multi-dimensional tomography (author's transl)] Galanski M. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):174–7, Aug 76 (Eng. Abstr.) **(Ger)**
[Principles of picture characteristics of tomograms] pp. 158–62. Richter K, et al. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**
[Physical technical principles of tomography] pp. 151–8. Tautz M. **In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975.** **(Ger)**
[Cut-density in angiotomography (author's transl)] Freyschmidt J, et al. **Roentgenblaetter** 29(2):84–90, Feb 76 (Eng. Abstr.) **(Ger)**
[Radiological diagnosis of the auditory ossicles in chronic otitis media by multidirectional tomography (author's transl)] Kodera K. **J Otolaryngol Jpn** 78(9):785–94, 20 Sep 75 (Eng. Abstr.) **(Jpn)**
[Computerized tomography. A diagnostic revolution] Kameyama M. **Jpn J Clin Med** 34(4):666–7, 1976 **(Jpn)**
[Abnormal EMI-Scan pictures. Experiences with 700 cases] Kobayashi N, et al. **Jpn J Clin Med** 34(4):676–87, 1976 **(Jpn)**
[Use of pneumotomography in detection of orbital tumors] Popescu MP, et al. **Rev Chir [Oftalmol]** 19(4):289–91, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[Comparison of the accuracy of construction of topographic anatomical charts according to scanning roentgenograms and tomograms] Bal'ter SA, et al. **Med Radiol (Mosk)** 20(9):22–7, Sep 75 (Eng. Abstr.) **(Rus)**
[Optimization of collimation system parameters of radioisotope tomograph] Chernobrovkin VP, et al. **Med Radiol (Mosk)** 21(3):64–8, Mar 76 (Eng. Abstr.) **(Rus)**
[Zonography in the study of the structure and function of the lungs in patients with tuberculosis] Varnovitskiĭ GI, et al. **Probl Tuberk** (8):29–31, 1975 (Eng. Abstr.) **(Rus)**
[Use of the curve of the change of contrast for evaluation of the informative value of the image in roentgenography, zonography and tomography] Chikirdin EG, et al. **Vestn Rentgenol Radiol** (5):59–64, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Tomography in the diagnosis of lung infarcts and their complications] Sigina OA, et al. **Vestn Rentgenol Radiol** (1):35–40, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

HISTORY

Symposium on tomography. Foreword. Baker HL. **Radiol Clin North Am** 14(1):1–2, Apr 76
[History of tomography] Laval-Jeantet M, et al. **J Radiol Electrol Med Nucl** 56(8–9):547–9, Aug–Sep 75 **(Fre)**

INSTRUMENTATION

A tomographic test object. Wilbrand HF. **Acta Radiol [Diagn] (Stockh)** 16(2):161–71, Mar 75
Economic analysis of computed tomography units. Evens RG, et al. **Am J Roentgenol** 127(1):191–8, Jul 76
Computed tomography of the body: initial clinical trial with the EMI prototype. Sheedy PF 2d, et al. **Am J Roentgenol** 127(1):23–51, Jul 76
High resolution computed tomography of the orbit withthe Ohio Nuclear Delta head scanner. Weinstein MA, et al. **Am J Roentgenol** 127(1):175–7, Jul 76
Cranial computed tomography in infants and children. Harwood-Nash DC, et al. **Can Med Assoc J** 113(6):546–9, 20 Sep 75
Non-computerized off-axial tomography with 580 MeV protons. Dubal L. **Experientia** Suppl 24:471–3, 1975
Brain-cutting device for correlation of brain scan and autopsy sections. Technical note. Shipps FC, et al. **J Neurosurg** 44(6):759–60, Jun 76
Computer-assisted cranial tomography in early diagnosis of tuberous sclerosis. Martin GI, et al. **JAMA** 235(21):2323–4, 24 May 76
Computerized axial tomography. Use in the diagnosis of dementia. Menzer L, et al. **JAMA** 234(7):754–7, 17 Nov 75
Letter: CT scans and tuberous sclerosis. Murphy JV, et al. **JAMA** 236(10):1115, 6 Sep 76
Letter: Computerized axial tomography and electroencephalography. Sabin TD, et al. **JAMA** 236(2):138, 12 Jul 76
Statistical limitations in x-ray reconstructive tomography. Brooks RA, et al. **Med Phys** 3(4):237–40, Jul–Aug 76
The line spread function and modulation transfer function of a computed tomographic scanner. Judy PF. **Med Phys** 3(4):233–6, Jul–Aug 76
A scanner for every hospital? Downey GW. **Mod Health Care** 5(2):16s–16x, Feb 76
CAT fever. Shapiro SH, et al. **N Engl J Med** 294(17):954–6, 22 Apr 76
The economy of the EMI-scanner. Jacobsen HH, et al. **Neuroradiology** 11(4):183–4, 30 Jul 76
Ripple suppression during reconstruction in transverse tomography. Chesler DA, et al. **Phys Med Biol** 20(4):632–6, Jul 75
The versatile Mimer III. Casselden PA. **Radiography** 42(499):147–54, Jul 76
A head-holding device for computed tomography. Davis DO, et al. **Radiology** 117(2):480, Nov 75
An accessory table for supine horizontal-beam polytome laminagraphy. Davis DO, et al. **Radiology** 117(2):478–80, Nov 75
Performance evaluation and quality assurance of computed tomography scanners, with illustrations from the EMI, ACTA, and Delta scanners. McCullough EC, et al. **Radiology** 120(1):173–88, Jul 76
Comparative modulation transfer functions of the EMI and Delta scanners. MacIntyre WJ, et al. **Radiology** 120(1):189–91, Jul 76
Brain scanning with the Anger multiplane tomographic scanner as a second examination evaluation by the ROC method. Turner DA, et al. **Radiology** 121(1):115–24, Oct 76
Brain scanning with the Anger multiplane tomographic scanner as a primary examination. Evaluation by the ROC method. Turner DA, et al. **Radiology** 121(1):125–9, Oct 76
Computerized x-ray tomography. Hill KR, et al. **Sci Prog** 62(246):237–62, Summer 75
[The variable-angle hypocycloidal movement. Advantage of the automatic exposer] Korach G, et al. **J Radiol Electrol Med Nucl** 56(8–9):562–5, Aug–Sep 75 **(Fre)**
[Current status, advantages and prospects for the future of simultaneous tomography with the aid of Synchroplan] Ledoux-Lebard G, et al. **J Radiol Electrol Med Nucl** 56(8–9):556–9, Aug–Sep 75 **(Fre)**
[Advantage of the double rocking past the vertical line of the scanning tomograph. Suggestion for a geometrical correction by means of a magnifying factor plotter] Lichtenberg R, et al. **J Radiol Electrol Med Nucl** 56(8–9):560–2, Aug–Sep 75 **(Fre)**
[An apparatus for serial angiotomography (author's transl)] Nadjmi M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):299–301, Oct 75 (Eng. Abstr.) **(Ger)**
[Computerized tomographic equipment and related matters] Yoshimura K. **Jpn J Clin Med** 34(4):698–707, 1976 **(Jpn)**
[A selectable beam collimator applied to axial transverse tomography (author's transl)] Matsuda T, et al. **Nippon Acta Radiol** 36(1):20–8, 1976 (Eng. Abstr.) **(Jpn)**
[Application of a modified sonntag filter for multilayer tomography of mediastinum and hili] Banach W, et al. **Pol Przegl Radiol** 39(5):555–9, Sep–Oct 75 (Eng. Abstr.) **(Pol)**
[Experience with the operation of a panoramic tomograph] Rabukhina NA, et al. **Med Tekh** (2):41–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Substantiation of requirements for basic informative characteristics of tomograms] Stol'tser SM. **Med Tekh** (2):8–12, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

METHODS

Multidirectional tomography of the facial canal. Wilbrand HF. **Acta Radiol [Diagn] (Stockh)** 16(6):654–72, Nov 75
Multidirectional tomagraphy of defects in the facial canal. An experimental investigation. Wilbrand HF, et al. **Acta Radiol ®Diagn/BD/(Stockh)** 16(3):223–40, May 75
Computer tomography in post-mortem examination of the brain and other specimens. Bergvall U, et al. **Acta Radiol [Suppl] (Stockh)** (346):39–44, 1975
Image construction in transversal computer tomography. Edholm P. **Acta Radiol [Suppl] (Stockh)** (346):21–38, 1975
Computer cisternography in the diagnosis of communicating hydrocephalus. Hindmarsh T, et al. **Acta Radiol [Suppl] (Stockh)** (346):91–7, 1975
Computerized axial tomography of craniofacial malformations. A preliminary report. Becker MH, et al. **Am J Dis Child** 130(1):17–20, Jan 76
Computerized axial tomography. Weber DA. **Am J Dis Child** 130(1):16, Jan 76
Use of a submental-vertex analysis for producing quality

temporomandibular joint laminagraphs. Williamson EH, et al. **Am J Orthod** 70(2):200–7, Aug 76

Proceedings: Bone densitometry with the aid of computerized transaxial tomography. Elsasser U, et al. **Am J Roentgenol** 126(6):1275–7, Jun 76

New frontier for radiology: computed tomography. 40th Annual Preston M. Hickey Memorial Lecture. Evens RG. **Am J Roentgenol** 126(6):1117–29, Jun 76

Optimal tomographic technique to demonstrate common bile duct stones. An in vitro study. Smith GR, et al. **Am J Roentgenol** 126(1):63–9, Jan 76

Principles of computerised tomography. Peters TM. **Australas Radiol** 19(2):118–26, Jun 75

Analysis of regions of interest in EMI scans. Bergström M, et al. **Br J Radiol** 49(582):549–50, Jun 76

Xerotomography of pulmonary lesions. Carnovale RL, et al. **Br J Radiol** 49(582):516–8, Jun 76

A graphic display system for use with a computer–assisted tomographic scanner. Griver J, et al. **Br J Radiol** 49(582):547–9, Jun 76

Letter: Radioisotope section scan versus E.M.I. scan. Keyes WI. **Br J Radiol** 48(576):1036–7, Dec 75

The ventricular–brain ratio using planimetric measurement of EMI scans. Synek V, et al. **Br J Radiol** 49(579):233–7, Mar 76

The computed axial tomograph in acute herpes simplex encephalitis. Thomson JL. **Br J Radiol** 49(577):86–7, Jan 76

Computer subtraction in regional cerebral blood–volume measurements using the EMI–Scanner. Zilkha E, et al. **Br J Radiol** 49(580):330–4, Apr 76

Cardiovascular and pulmonary dynamics by quantitative imaging. Wood EH. **Circ Res** 38(3):131–9, Mar 76 (41 ref.)

Lumbar spinal stenosis. Radiographic diagnosis with special reference to transverse axial tomography. Sheldon JJ, et al. **Clin Orthop** (115):53–67, Mar–Apr 76

Three–dimensional multiangular laminagraphy by computer. pp. 399–407. Altschuler BR, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Scintitomography of brain tumor. pp. 210–20. Maki Y, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Angiotomography of the posterior fossa. pp. 52–62. Newton TH, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Temporal course of contrast medium enhancement in differential diagnosis of intracranial lesions with computer tomography. pp. 346–8. Bergvall U.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

Angiotomography and cerebral parenchymography. pp. 155–61. Bonneville JF, et al.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

Preliminary study of the application of computerized axial tomography in the etiologic diagnosis of epilepsy. pp. 358–60. Gastaut JL, et al.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

Computed cranial tomography in children with intracranial neoplasms. pp. 349–52. Harwood–Nash DC.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

Computer assisted tomography in intracerebral hematomas and head trauma. pp. 353–7. Kricheff II, et al.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

1975 Memorial Award Paper. Image generation and display techniques for CT scan data. Thin transverse and reconstructed coronal and sagittal planes. Glenn WV Jr, et al. **Invest Radiol** 10(5):403–16, Sep–Oct 75

Further investigation and initial clinical use of advanced CT display capability. Glenn WV Jr, et al. **Invest Radiol** 10(5):479–89, Sep–Oct 75

Computerized transverse axial tomography. Mostowycz L, et al. **J Ky Med Assoc** 74(3):128–34, Mar 76

Computerized axial tomography: the normal EMI scan. Gawler J, et al. **J Neurol Neurosurg Psychiatry** 38(10):935–47, Oct 75

Measurement of regional cerebral blood volume by computerized axial tomography. Ladurner G, et al. **J Neurol Neurosurg Psychiatry** 39(2):152–8, Feb 76

Tumor volume, luxury perfusion, and regional blood volume changes in man visualized by subtraction computerized tomography. Penn RD, et al. **J Neurosurg** 44(4):449–57, Apr 76

Multidirectional tomography in cervical spine injury. Russin LD, et al. **J Neurosurg** 45(1):9–11, Jul 76

The Lancet – Saturday II October 1975. Sodium iothalamate as an aid to diagnosis of intracranial lesions by computerised transverse axial scanning. Ambrose J, et al. **Lancet** 2(7937):669–74, 11 Oct 75

Letter: Computerised axial tomography in spongy degeneration. Boltshauser E, et al. **Lancet** 1(7969):1123, 22 May 76

Computerised axial tomography for diagnosis of pancreatic cancer. Wiggans G, et al. **Lancet** 2(7979):233–5, 31 Jul 76

Orbital pneumotomography. Bertelsen TI. **Med Probl Ophthalmol** 14:98–102, 1975

Measurements of the normal hemispheric sulci with computer tomography: a preliminary study on 44 adults. Gyldensted C, et al. **Neuroradiology** 10(3):147–9, 19 Dec 75

Serial angiotomography in supratentorial tumors. Nadjmi M, et al. **Neuroradiology** 10(2):101–6, 21 Nov 75

X–ray energies for effective atomic number determination. Rutherford RA, et al. **Neuroradiology** 11(1):23–8, 1976

Calibration and response of an EMI scanner. Rutherford RA, et al. **Neuroradiology** 11(1):7–13, 1976

A new method of autotomography with cerebral angiography (angioautotomography). Shimizu H, et al. **Neuroradiology** 9(4):203–8, 29 Aug 75

Computerised transverse axial tomography. Kreel L. **Nurs Times** 72(25):SUPPL:17–20, 24 Jun 76

Tomography—the deciding factor. Baust GF. **Radiography** 42(493):17–26, Jan 76

New concepts in radiography. Cowley EJ. **Radiography** 41(487):153–64, Jul 75

Transverse axial tomography of the spinal column: a comparison of anatomical specimens with EMI scan appearances. Kreel L, et al. **Radiography** 42(496):73–80, Apr 76

International course on computed cranial tomography, Bermuda 1975. Penning L, et al. **Radiol Clin (Basel)** 45(1):57–63, 1976

Computed tomography in the diagnosis of posterior fossa lesions. Baker HI Jr, et al. **Radiol Clin North Am** 14(1):129–47, Apr 76

Urinary tract tomography. Hattery RR, et al. **Radiol Clin North Am** 14(1):23–49, Apr 76

Physical and dosimetric aspects of diagnostic geometrical and computer–assisted tomographic procedures. McCullough EC, et al. **Radiol Clin North Am** 14(1):3–14, Apr 76

Evaluation of the pulmonary hila by tomography. McLeod RA, et al. **Radiol Clin North Am** 14(1):51–84, Apr 76

The evaluation of pulmonary parenchymal abnormalities by tomography. Miller WE, et al. **Radiol Clin North Am** 14(1):85–93, Apr 76

The evaluation of tracheal abnormalities by tomography. Muhm JR, et al. **Radiol Clin North Am** 14(1):95–104, Apr 76

Routine tomography of the temporomandibular joint. Stanson AW, et al. **Radiol Clin North Am** 14(1):105–27, Apr 76

Tomography in problem cholecystograms. Stephens DH, et al. **Radiol Clin North Am** 14(1):15–21, Apr 76

Initial clinical experience with computerized tomography of the body. Stephens DH, et al. **Radiol Clin North Am** 14(1):149–58, Apr 76

Tomographic technique for visualization of the cruciate ligaments in double contrast arthrography. Firooznia H, et al. **Radiol Technol** 47(6):385–9, May–Jun 76

Computed tomography of the thorax and abdomen; a preliminary report. Alfidi RJ, et al. **Radiology** 117(2):257–64, Nov 75

Computed tomography of the pancreas. Haaga JR, et al. **Radiology** 120(3):589–95, Sep 76

Computed tomography with the EMI scanner in the diagnosis of primary and metastatic intracranial neoplasms. New PF, et al. **Radiology** 114(1):75–87, Jan 75

Computed tomography in the detection of juxtasellar lesions. Reich NE, et al. **Radiology** 118(2):333–5, Feb 76

The inclined lateral projection: a new view in temporal bone tomography. Schatz CJ, et al. **Radiology** 118(2):355–61, Feb 76

Rapid roentgenologic diagnosis of acute cholecystitis. Danley RB, et al. **Surg Gynecol Obstet** 143(4):602–4, Oct 76

Infusion tomography of the gallbladder. Escobar–Prieto A, et al. **Surg Gynecol Obstet** 141(3):340–6, Sep 75

Clinical experience with the intravenous infusion of iodinated contrast material as an adjunct to computed tomography. Huckman MS. **Surg Neurol** 4(3):297–318, Sep 75

[Computer tomography, a new development in radiodiagnosis] Peeters F, et al. **Ned Tijdschr Geneeskd** 120(25):1070–5, 19 Jun 76 (Eng. Abstr.) **(Dut)**

[The value of tomography for diagnosis in maxillofacial surgery] Hary M, et al. **Acta Stomatol Belg** 72(4):755–60, 1975 **(Fre)**

[Contribution of data processing to radiodiagnosis: axial tomography in conjunction with a computer] Lemort JP, et al. **Ann Radiol (Paris)** 18(8):817–21, Dec 75 **(Fre)**

[Computerized axial transverse tomography by EMI scanner. Preliminary evaluation after 1,000 cases] Collard M, et al. **J Belge Radiol** 58(4):289–328, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Tomographic study of the ossicular chain in profile at a selected inclination. Technical note] Navez JP, et al. **J Belge Radiol** 55(2):189–90, Mar–Apr 72 **(Fre)**

[Value of axial tomography in cranio–facial study] Amici F, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:441–2, 1975 **(Fre)**

[Introduction and technical problems of cerebral angiotomography] Calabro A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:3–4, 1975 **(Fre)**

[A new era in neuroradiology. Computerised axial transverse tomography–C.A.T.T. (Emi–Scanner) and its applications (author's transl)] Collard M, et al. **J Radiol Electrol Med Nucl** 56(6–7):453–69, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Study of the spiral trajectory] Delorme G, et al. **J Radiol Electrol Med Nucl** 56(8–9):565–8, Aug–Sep 75 **(Fre)**

[Indications concerning multidirectional tomography with spiral scanning] Delorme G, et al. **J Radiol Electrol Med Nucl** 56(8–9):568–9, Aug–Sep 75 **(Fre)**

[Sialography and sialotomography] Grimalt AM, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:458–9, 1975 **(Fre)**

[Present–day use of transverse axial tomography in cancerology] Le Treut A, et al. **J Radiol Electrol Med Nucl** 56(8–9):572–4, Aug–Sep 75 **(Fre)**

[Abdominal opaque organotomography] Macchi C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:597–8, 1975 **(Fre)**

[Abdominal tomocontrastography] Palma LD. **J Radiol Electrol Med Nucl** 56 suppl 2:598–602, 1975 **(Fre)**

[Our experiences with thoracic tomography in oblique incidences] Podesta AM, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:411, 1975 **(Fre)**

[Study of epilepsy by computer controlled transverse axial tomography of the brain] Gastaut H, et al. **Nouv Presse Med** 5(8):481–6, 21 Feb 76 (Eng. Abstr.) **(Fre)**

[Letter: Diagnosis of Bourneville's disease using computer–controlled cerebral tomography] Gastaut H, et al. **Nouv Presse Med** 5(13):864, 27 Mar 76 **(Fre)**

[Role of computerized axial tomography in neuroradiology. 1st results] Gastaut H, et al. **Nouv Presse Med** 5(19):1239–43, 8 May 76 (Eng. Abstr.) **(Fre)**

[Thoraco–abdominal angiotomography. 280 explorations] Lamarque JL, et al. **Nouv Presse Med** 5(17):1115–9, 24 Apr 76 (Eng. Abstr.) **(Fre)**

[Determination of the true median plane by bilateral tomography of the labyrinth and correction by computer] Cousin RP, et al. **Orthod Fr** 46:315–6, 1975 **(Fre)**

[Skull tomography. Guiding principles and atlas] Reisner K, et al. **Arch Atlas Norm Pathol Anat Roentgenbild** 102:1–200, 1973 **(Ger)**

[Xerotomography of the thorax] Schnieber E. **Dtsch Med Wochenschr** 101(10):377–9, 5 Mar 76 **(Ger)**

[Computerised axial tomography of the head (E.M.I. scan). Clinical experience with a new diagnostic method for examining the brain (author's transl)] Baker L Jr, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):293–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Experimental investigations into dissolution of size of detail and contrast in the angiotomograms] Freyschmidt J, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(3):262–7, Sep 75 (Eng. Abstr.) **(Ger)**

[Radiculo–tomography for lumbosacral myelography (author's transl)] Rittmeyer K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):436–41, Nov 75 (Eng. Abstr.) **(Ger)**

[The effect of haemodynamic factors on tomograms during angio–tomography (author's transl)] Rittmeyer K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):441–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Computerized axial tomography of the skull – diagnostic possibilities and clinical results (author's transl)] Kazner E, et al. **Fortschr Neurol Psychiatr** 43(10):487–574, Oct 75 (Eng. Abstr.) **(Ger)**

[Computer–tomographic demonstration of encephalomalacia foci and their significance for general practice and clinical aspects] Steinhoff H, et al. **Internist (Berlin)** 17(1):32–7, Jan 76 **(Ger)**

[New aspects in the diagnosis of brain diseases—cranial computer–tomography] Kazner E. **Med Monatsschr** 30(3):97–9, Mar 76 **(Ger)**

[Tomometry, a novel radiological procedure (author's transl)] Thun F. **Roentgenblaetter** 28(11):547–53, Nov 75 (Eng. Abstr.) **(Ger)**

[Computerized tomography of the skull: new dimension of the x–ray diagnosis] Elke M, et al. **Roentgenpraxis** 29(1):1–11, Jan 76 **(Ger)**

[Dynamic tomoscopy. Experimental use of a new roentgen technic for the temporomandibular joint] Geering A. **Schweiz Monatsschr Zahnheilkd** 86(2):137–49, Feb 76 **(Ger)**

[Clinical significance of EMI scan in X–ray diagnostic system for brain diseases] Kitamura K, et al. **Jpn J Clin Med** 34(4):688–97, 1976 **(Jpn)**

[Theory of EMI–scanner and normal EMI–scanner picture Kobayashi M, et al. **Jpn J Clin Med** 34(4):668–75, 1976 **(Jpn)**

[Theory and practice of EMI–scanner—experiences with 450 cases] Kobayashi N, et al. **Jpn J Clin Radiol** 21(2):147–62, Feb 76 **(Jpn)**

[Design and clinical experience with ACTA scanner (whole body automatic computerized transeverse axial tomographic scanner)] Luessenhop AJ, et al. **Jpn J Clin Radiol** 21(2):163–8, Feb 76 **(Jpn)**

[Introduction of computerized axial tomography and its application to diagnosis of brain tumor] Oi S, et al. **Jpn J Clin Radiol** 21(2):137–45, Feb 76 **(Jpn)**

[A new method of autotomography in cerebral angiography (author's transl)] Shimizu H, et al. **Neurol Surg (Tokyo)** 3(11):903–8, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Application of disc recorder and study of representability of multi–layerscopy of body section. Study on fluoroscopic tomography. II (author's transl)] Katakura T, et al. **Nippon Acta Radiol** 35(11):969–79, 1975 (Eng. Abstr.) **(Jpn)**

[The improvement of the tomographic image and its clinical application. 1. X–ray beam collimation and moving grid

(author's transl)] Miyata N. **Nippon Acta Radiol** 35(8):625–32, 25 Aug 75 (Eng. Abstr.) **(Jpn)**

[A method of multidle body–section repersentation using x–ray television. Study on fluoroscopic tomography. I. (author's transl)] Watanabe C, et al. **Nippon Acta Radiol** 35(6):383–93, 25 Jun 75 (Eng. Abstr.) **(Jpn)**

[Importance of the later–by–layer method of study in the diagnosis of pulmonary artery thromboembolism] Mazaev PN, et al. **Grudn Khir** (6):27–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Electroradiographic diagnosis of pulmonary tuberculomas] Dubynina VP, et al. **Probl Tuberk** (12):32–4, 1975 (Eng. Abstr.) **(Rus)**

[Electroradiography in the diagnosis of pulmonary tuberculosis] Urbonavichius SK, et al. **Probl Tuberk** (12):30–2, 1975 **(Rus)**

[Method of intubation laryngotomography] Shusterov BG, et al. **Vestn Rentgenol Radiol** (1):71–4, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of zonography and tomography in the study of nonspecific processes in the lungs] Solomin GV, et al. **Vestn Rentgenol Radiol** (4):91–2, Jul–Aug 75 **(Rus)**

[New method for assessing experimental atheromatous aortic lesions] Pascual–Leone A, et al. **Rev Esp Cardiol** 29(3):205–8, May–Jun 76 **(Spa)**

[Computer assisted tomography, a revolutionary new x–ray method] Edholm P. **Lakartidningen** 73(26–27):2408–14, 23 Jun 76 (Eng. Abstr.) **(Swe)**

[Swedish experiences with computer assisted tomography] Greitz T. **Lakartidningen** 73(26–27):2403–7, 2412, 23 Jun 76 (Eng. Abstr.) **(Swe)**

STANDARDS

Editorial: CT and the planners. Meaney TF. **Am J Roentgenol** 126(5):1095–7, May 76

Letter: Computerized axial tomography in patients with exophthalmos. Trokel SL, et al. **Arch Ophthalmol** 94(5):867–8, May 76

Computed tomography standardization. Alfidi RJ, et al. **Radiology** 119(3):743–4, Jun 76

[False images in the course of complex scanning tomography] Moret J, et al. **J Radiol Electrol Med Nucl** 56(8–9):570–1, Aug–Sep 75 **(Fre)**

TONGUE

The structure of synapses 'en plaque' /EP/ in the striated muscles of the tongue of vertebrates. Bigaj J. **Ann Med Sect Pol Acad Sci** 21(1–2):21–2, 1976

A tongue stent for prevention of oral trauma in the comatose patient. Hanson GE, et al. **Crit Care Med** 3(5):200–3, Sep–Oct 75

Letter: Acute diabetic abdomen. Jenkins ST. **Lancet** 1(7966):963, 1 May 76

Technical note: A finger extension tongue depressor. Delclos L. **Laryngoscope** 86(3):454–7, Mar 76

[Experimental studies on the effects of the tongue on growth] Becker R, et al. **Fortschr Kiefer Gesichtschir** 18:83–6, 1974 **(Ger)**

[Spontaneous facial–buccal–lingual dyskinesia: clinical studies and pharmacological experiments] Serra S, et al. **Acta Neurol (Napoli)** 30(6):576–86, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Neuropathological changes in facio–lingual dyskinesia of probably drug–induced origin] Jemielity F, et al. **Neurol Neurochir Pol** 10(3):399–402, May–Jun 76 **(Pol)**

[Condition of the tongue and the mouth mucosa in patients with ulcer disease] Rudneva VE, et al. **Sov Med** (6):146, Jun 75 **(Rus)**

ABNORMALITIES

The aglossia–adactylia syndrome. Alvarez GE. **Br J Plast Surg** 29(2):175–8, Apr 76

Letter: Anterior abdominal wall defects and E.M.G. syndrome. Verma IC, et al. **Indian Pediatr** 12(4):366, Apr 75

[Morphogenetic consequences of experimental microglossia] Lamorlette D, et al. **Orthod Fr** 44(2):99–127, 1973 (Eng. Abstr.) **(Fre)**

[The aglossia–adactylia syndrome] Lecannellier J, et al. **Helv Paediatr Acta** 31(1):77–84, Jun 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

Histochemical distribution of acid mucopolysaccharides in the tongue of reptiles. I. Chelonia (Pseudemys scripta Clark). Carmignani MP, et al. **Ann Histochim** 20(1):77–88, Jan–Mar 75

Histochemical studies on the tongue of Anuran Amphibian: I. Mucopolysaccharide histochemistry of the papillae and the lingual glands in Hyla arborea L., Rana esculenta L. and Bufo vulgaris Laur. Carmignani MP, et al. **Ann Histochim** 20(1):47–65, Jan–Mar 75

[Presence and localization of glucose–binding proteins in the tongue] Ostretsova IB, et al. **Dokl Akad Nauk SSSR** 223(6):1484–7, 21 Aug 75 **(Rus)**

[Determination of ascorbic acid saturation of the body by the tongue test] Pchelina TP. **Stomatologiia (Mosk)** 55(2):30–3, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The lymphatics of the tongue in relation to cancer. Droulias C, et al. **Am Surg** 42(9):670–4, Sep 76

On the denticles of the sublingua in Galago crassicaudatus E. Geoffrey, 1812 (Primates, Prosimiae, Lorisiformes). Hofer HO. **Folia Primatol (Basel)** 24(2–3):188–202, 1975

Letter: Woodpecker's tongues. Gordon D. **Lancet** 2(7976):104, 10 Jul 76

[The static position of the tongue, its importance in dentofacial orthopedics] Biourge A. **Acta Stomatol Belg** 72(4):729–46, 1975 **(Fre)**

[The static position of the tongue, its importance in dentofacial orthopedics] Biourge A. **Acta Stomatol Belg** 72(4):729–46, 1975 **(Fre)**

[Orolingual volumetric relations] Fabaron JP. **Orthod Fr** 44(1):343–56, 1973 (Eng. Abstr.) **(Fre)**

[Polarization microscopic topo–optical study of the rabbit tongue] Kovács Z, et al. **ZWR** 84(12):584–6, 25 Jun 75 **(Ger)**

BLOOD SUPPLY

Venous aneurysm in a horse. Hilbert BJ, et al. **J Am Vet Med Assoc** 167(5):394–6, 1 Sep 75

[The natural progress of atherosclerosis of the lateral vessels of the tongue (author's transl)] Mühlfay V. **HNO** 23(9):285–8, Sep 75 (Eng. Abstr.) **(Ger)**

[Effect of gravitational loads and hypokinesia on the structure of the blood vessels of the tongue in the rabbit] Lapenkova IZ. **Arkh Anat Gistol Embriol** 69(10):55–61, Oct 75 (Eng. Abstr.) **(Rus)**

[Anastomosis of the lingual and basilar artery of the dog and microsurgery of cerebral vessels] Palkovič S. **Rozhl Chir** 54(11):746–8, Nov 75 (Eng. Abstr.) **(Slo)**

CYTOLOGY

Circadian influence on the frequency of labeled mitoses method in the stratified squamous epithelium of the mouse esophagus and tongue. Burns ER, et al. **Anat Rec** 184(3):265–73, Mar 76

Characterization of fractions from taste bud and non–taste bud–enriched filtrates from and around bovine circumvallate papillae. Lum CK, et al. **Biochim Biophys Acta** 421(2):362–79, 24 Feb 76

X–ray microanalysis of mast cells in rat's muscle. Yarom R, et al. **Experientia** 31(11):1339–40, 15 Nov 75

DRUG EFFECTS

Proceedings: Effect of some inhibitors of Ca2+–dependent ATPase on the chemoreceptor response of the tongue of the frog. Nomura M, et al. **J Physiol Soc Jpn** 36(8–9):314, 1 Sep 74

[Proceedings: Competitive inhibition of responses of water receptors to Ca2+ in the frog tongue by Na+ and Mg2+] Kitada T, et al. **J Physiol Soc Jpn** 36(8–9):314, 1 Sep 74 **(Jpn)**

EMBRYOLOGY

A morphological and histochemical study of the developing tongue musculature in the mouse: its relationship to palatal closure. Holt TM. **Am J Anat** 144(2):169–95, Oct 75

Ultrastructures of glosso–palatal fusion after treatment of meclozine–hydrochloride. Mato M, et al. **Virchows Arch [Pathol Anat]** 369(1):7–17, 29 Dec 75

[The development of the filiform papillae in the human tongue] Svejda J, et al. **Schweiz Monatsschr Zahnheilkd** 85(8):823–38, Aug 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Phosphatases in the lingual glands of man and dog. Rakhawy MT. **Acta Anat (Basel)** 92(4):60–14, 1975

GROWTH & DEVELOPMENT

Effect of experimental microglossia on craniofacial growth. Simard–Savoie S, et al. **Am J Orthod** 70(3):304–15, Sep 76

[Sagittal development of the tongue and facial growth] Brulin F, et al. **Orthod Fr** 46:203–9, 1975 (Eng. Abstr.) **(Fre)**

INNERVATION

Anatomical, neurohistological and histochemical observations on the tongue of Francolinus pondicerianus (grey partridge or safed teeter). Purwar RS. **Acta Anat (Basel)** 93(4):526–33, 1975

Anatomical and neurohistological observations on the tongue of the India goat, Capra aegagrus. Qayyum MA, et al. **Acta Anat (Basel)** 93(4):554–67, 1975

An analysis of the time course of gustatory neural adaptation in the rat. Smith DV, et al. **Am J Physiol** 229(4):1134–40, Oct 75

Excitatory and inhibitory influences on tongue muscle activity in cat and monkey. Lowe AA, et al. **Brain Res** 113(2):417–22, 27 Aug 76

Topological distribution of muscle spindles in the human tongue and its significance in proprioception. Kubota K, et al. **Bull Tokyo Med Dent Univ** 22(3):235–42, Sep 75

[Further research on the innervation of the vailate papillae and the foliate organ in rabbits] Aronna G, et al. **Boll Soc Ital Biol Sper** 51(17):1079–85, 15 Sep 75 **(Ita)**

[Participation of the fibers of the lingual nerve in the transmission of mechanosensitive information from the tongue and oral cavity of the cat] Liubimova ZV, et al. **Biull Eksp Biol Med** 80(10):16–8, Oct 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of ascorbic acid deficiency on the permeability and collagen biosynthesis of oral mucosal epithelium. Alfano MC, et al. **Ann NY Acad Sci** 258:253–63, 30 Sep 75

Sugar binding to purified fractions from bovine taste buds and epithelial tissue. Relationships to bioactivity. Lum CK, et al. **Biochim Biophys Acta** 421(2):380–94, 24 Feb 76

[Histochemical characteristics of the lingual salivary glands of several classes of vertebrates] Shevliuk NN. **Arkh Anat Gistol Embriol** 70(3):58–62, Mar 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Selective adherence as a determinant of the host tropisms of certain indigenous and pathogenic bacteria. Gibbons RJ, et al. **Infect Immun** 13(1):238–46, Jan 76

Localization of bacteria on the rat tongue with scanning and transmission electron microscopy. Brady JM, et al. **J Dent Res** 54(4):777–82, Jul–Aug 75

Effects of tongue brushing on tongue coating and dental plaque scores. Gross A, et al. **J Dent Res** 54(6):1236, Nov–Dec 75

Effect of tongue brushing on formation of dental plaque. Badersten A, et al. **J Periodontol** 46(10):625–7, Oct 75

PATHOLOGY

Hyoid and muscle changes following distal repositioning of the tongue. Gobeille DM, et al. **Am J Orthod** 70(3):282–9, Sep 76

The histology of prolonged candidal infection of the rat's tongue. Russell C, et al. **J Oral Pathol** 4(6):330–9, Dec 75

Pathology of the ventral surface of the tongue. Adkins KF, et al. **NZ Dent J** 71(324):64–9, Apr 75

Carcinoma arising in the area of median rhomboid glossitis. Burkes EJ, et al. **Oral Surg** 41(5):649–52, May 76

PHYSIOLOGY

Hyoid positioning during deglutition following forced positioning of the tongue. Cuozzo GS, et al. **Am J Orthod** 68(5):564–70, Nov 75

Physicochemical studies of taste reception. III. Interpretation of the water response in taste reception. Miyake M, et al. **Biochim Biophys Acta** 436(4):843–55, 15 Jul 76

Projections of thalamic gustatory and lingual areas in the rat. Norgren R, et al. **Brain Res** 92(1):123–9, 4 Jul 75

Linguo–hypoglossal reflex: effects of mechanical, thermal and taste stimuli. Yamamoto T. **Brain Res** 92(3):499–504, 18 Jul 75

Quantitative assessment of oral tactile sensitivity in pre–term and term neonates, and comparison with adults. Thach BT, et al. **Dev Med Child Neurol** 18(2):204–12, Apr 76

The human tongue during sleep: electromyographic activity of the genioglossus muscle. Sauerland EK, et al. **Exp Neurol** 51(1):160–70, Apr 76

Passive and active lingual discrimination among deaf children. Weiss CE, et al. **Folia Phoniatr (Basel)** 27(5):393–8, 1975

What mechanisms contribute to the coordination of tongue movements during mastication and swallowing? pp. 181–90. Storey AT. **In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.**

Lip and tongue pressures related to dental arch and oral cavity size in Australian aborigines. Proffit WR, et al. **J Dent Res** 54(6):1161–72, Nov–Dec 75

Electromyographic investigations of the tongue and circumoral muscular sling with fine–wire electrodes. Vitti M, et al. **J Dent Res** 54(4):844–9, Jul–Aug 75

Correction of anterior open bite deformity: a study of tongue function, speech changes, and stability. Turvey TA, et al. **J Maxillofac Surg** 4(2):93–101, Jun 76

Tongue evolution in the lungless salamanders, family plethodontidae. I. Introduction, theory and a general model of dynamics. Lombard RE, et al. **J Morphol** 148(3):265–86, Mar 76

Tongue muscle regeneration, Gold marker studies following cold injury. Yarom R, et al. **J Oral Pathol** 5(4):217–28, Jul 76

Dynamic palatometry. Fletcher SG, et al. **J Speech Hear Res** 18(4):812–9, Dec 75

Lingual–palatal pressure measurement and analysis techniques. Leeper HA Jr, et al. **J Speech Hear Res** 18(3):588–93, Sep 75

Letter: 'Say ae'. Savitt JN. **N Engl J Med** 294(19):1068–9, 6 May 76

Oral stereognostic ability among tongue thrusters with interdental lisp, tongue thrusters without interdental lisp and normal children. Colletti EA, et al. **Percept Mot Skills** 42(1):259–68, Feb 76

Correlation of lingual motor performance and oral form identification by young adults. Fitch JL, et al. **Percept Mot Skills** 41(2):672, Oct 75

Vibrotactile and temperature sensory interaction in the human tongue. Fucci D, et al. **Percept Mot Skills** 43(1):263–6, Aug 76

Lingual vibrotactile threshold alterations in response to

varying stimulation levels of intensity and duration. Fucci DJ, et al. **Percept Mot Skills** 41(1):127–33, Aug 75

Comparison of the methods of limits and electrodermal response for determination of lingual vibrotactile thresholds. McCaffrey P, et al. **Percept Mot Skills** 42(1):175–80, Feb 76

Temporal summation effects on lingual vibrotactile thresholds. Telage KM, et al. **Percept Mot Skills** 42(3):859–64, Jun 76

Tongue–lip pressures during speech of Australian aborigines. Proffit WR, et al. **Phonetica** 32(3):200–20, 1975

Tongue musculature and the feature of tension in English vowels. Raphael LJ, et al. **Phonetica** 32(1):61–73, 1975 (Eng. Abstr.)

Variation in lingual coarticulation at certain juncture boundaries. Su LS, et al. **Phonetica** 32(4):254–63, 1975

Role of the tongue and senses in feeding of naive and experienced garter snakes. Burghardt GM, et al. **Physiol Behav** 14(2):185–94, Feb 75

Electromyographic activity of intrinsic and extrinsic muscles of the human tongue. Sauerland EK, et al. **Tex Rep Biol Med** 33(3):444–55, 1975

Enhancement of gustatory neural response to salts following adaptation of frog tongue to quinine–HCl. Sato T. **Tohoku J Exp Med** 117(4):381–4, Dec 75

[The tongue. Its importance in the etiology of dysmorphosis in dentofacial orthopedics] Biourge A. **Orthod Fr** 45(1):629–42, 1974 (Eng. Abstr.) **(Fre)**

[Incisor relations and neuromuscular behavior: teleradiographic study] Bonnot M. **Orthod Fr** 44(1):381–90, 1973 (Eng. Abstr.) **(Fre)**

[Significance of frontal projection radiocinematography in asymmetry of lingual behavior] Fabaron JP. **Orthod Fr** 45(1):329–34, 1974 (Eng. Abstr.) **(Fre)**

[The external pterygoid muscle, impact of the action of the tongue on the growth of the mandibular condyle. Experimental data] Stutzmann J, et al. **Orthod Fr** 45(1):385–99, 1974 (Eng. Abstr.) **(Fre)**

[Analysis of a linguo–labial reflex in man] Bratzlavsky M. **Rev Electroencephalogr Neurophysiol Clin** 3(2):207–8, Apr–Jun 73 **(Fre)**

[Study of orofacial muscle balance with a new technic using extensometry gauges] Duclos P. **Rev Odontostomatol (Paris)** 4(2):141–55, Mar–Apr 75 **(Fre)**

[Specific duration and specific tongue height of vowels] Neweklowsky G. **Phonetica** 32(1):38–60, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Nature of electric potentials of receptors of taste cells of frogs] Akaike N, et al. **J Physiol Soc Jpn** 36(8–9):314, 1 Sep 74 **(Jpn)**

[Proceedings: Transmission mechanism in the frog tongue from taste cells to the taste nerve] Morimoto K, et al. **J Physiol Soc Jpn** 36(8–9):314–5, 1 Sep 74 **(Jpn)**

[Wound healing of the skin and tongue in guinea pigs after treatment with tissue glue Fixacryl] Jarzynka W, et al. **Czas Stomatol** 29(5):427–8, 1976 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Tongue pathology and its effect on the stomatognathous system in juvenile cerebral movement disorders] Schübel F, et al. **Dtsch Zahnaerztl Z** 30(12):816–22, Dec 75 (Eng. Abstr.) **(Ger)**

[Tongue function after surgical reduction] Kreidler J, et al. **Fortschr Kiefer Gesichtschir** 18:266–72, 1974 **(Ger)**

SURGERY

Mandibular osteotomy and lingual flaps. Use in patients with cancer of the tonsil area and tongue base. DeSanto LW, et al. **Arch Otolaryngol** 101(11):652–5, Nov 75

Surgical procedure for prevention of self–sucking in cattle. (a photographic essay). McCormack J. **Vet Med Small Anim Clin** 71(5):681–3, May 76

[Amputation of half a tip of the tongue in cattle, to prevent sucking(author's transl)] **Tijdschr Diergeneeskd** 100(13):722–3, 1 Jul 75 **(Dut)**

[Letter: Partial tongue tip amputation to prevent suckling] Peterse DJ. **Tijdschr Diergeneeskd** 100(18):1007, 15 Sep 75 **(Dut)**

[A contribution to the problem of reducing the size of the tongue for orthodontic purposes] Schulz S, et al. **Zahn Mund Kieferheilkd** 64(1):7–20, 1976 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

The use of a tongue flap for the repair of defects following radical surgery of the head and neck. Robertson MS. **Aust NZ J Surg** 45(4):395–8, Nov 75

The use of a posterior–based tongue flap for the closure of a pharyngocutaneous fistula. Robertson MS. **Aust NZ J Surg** 46(2):138–41, May 76

The neural induction of taste buds in the salivary ducts of the lingual gland of von Ebner. Zalewski AA. **Exp Neurol** 52(3):565–80, Sep 76

[Original technic in the closure of large palatal clefts] Cadenat H, et al. **Rev Stomatol Chir Maxillofac** 77(1):129–32, Jan–Feb 76 **(Fre)**

[Use of the tongue in the plastic surgery of large oronasosinus communications] Firu P, et al. **Rev Stomatol Chir Maxillofac** 77(1):136–8, Jan–Feb 76 **(Fre)**

ULTRASTRUCTURE

Scanning electron microscopy of fungiform papillae on the tongue of man and monkey. Arvidson K. **Acta Otolaryngol (Stockh)** 81(5–6):496–502, May–Jun 76

Electron–microscopic observation of pleistocene tissues. Bigaj J, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):23–4, 1976

The three–dimensional image of the lingual papillae. Svejda J, et al. **Folia Morphol (Praha)** 23(2):145–9, 1975

Surface structures of the tongue, palate and buccal mucosa of the rat (scanning electron microscopic studies on the oral mucosa 3). Yoshioka I, et al. **Okajimas Folia Anat Jpn** 52(6):297–311, Mar 76

Ultrastructural changes in bovine lingual epithelium infected with vesicular stomatitis virus. Proctor SJ, et al. **Vet Pathol** 12(5–6):362–77, 1975

[The morphology of the fungiform papillae of some primates and humans] Beckers HW. **Adv Anat Embryol Cell Biol** 50(6):7–56, 1975 (Eng. Abstr.) **(Ger)**

[The morphology of the fungiform papillae of some rodents] Eisenacher W. **Adv Anat Embryol Cell Biol** 50(6):59–116, 1975 (Eng. Abstr.) **(Ger)**

[Desmosomal structures in the cytoplasm of normal and abnormal keratinocytes (author's transl)] Schenk P. **Arch Dermatol Res** 253(1):23–42, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Fine structural study of keratinization of the filiform papillae in the tongue in humans] Plačková A, et al. **Z Mikrosk Anat Forsch** 89(2):305–18, 1975 (Eng. Abstr.) **(Ger)**

TONGUE DISEASES

Lingual abscess. Pal J, et al. **J Indian Med Assoc** 66(3):57–60, 1 Feb 76

Tardive dyskinesia. Clyne KE, et al. **J Maine Med Assoc** 67(5):129–35, May 76

Tuberculosis of the tongue. Weaver RA. **JAMA** 235(22):2418, 31 May 76

[Hydatid cyst of the tongue] Zaimi A. **Tunis Med** 53(5):303, Sep–Oct 75 **(Fre)**

[Sarcoidosis of the tongue with rapid generalization of the process (1 case)] Aronov BKh. **Vopr Onkol** 21(4):58–61, 1975 **(Rus)**

COMPLICATIONS

Goldenhar syndrome. Associated with submandibular gland hyperplasia and hemihypoplasia of the mobile tongue. Miyamoto RT, et al. **Arch Otolaryngol** 102(5):313–4, May 76

DIAGNOSIS

Letter: Oral lesions in tuberculosis. Laws I. **Br Med J** 2(6026):45–6, 3 Jul 76

[A case of post–traumatic ischemic necrosis of the tongue] Brami S. **Rev Stomatol Chir Maxillofac** 76(6):455–9, Sep 75 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Cyanoacrylate as an adhesive for other medicaments: a study with triamcinalone on the healing of experimental oral ulcers. Sonis S, et al. **Pharmacol Ther Dent** :147–56, 1975

[A case of lingual tuberculosis in acute disseminated tuberculosis (author's transl)] Hirai H, et al. **Kekkaku** 51(6k0):257–61, 15 Jun 76 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Gangrene of the tongue following self–application of a rubber band. Dutta T, et al. **Br J Surg** 62(12):956, Dec 75

MICROBIOLOGY

The infection of rat tongue mucosa in vitro with five species of Candida. Howlett JA. **J Med Microbiol** 9(3):309–16, Aug 76

PATHOLOGY

The histology of prolonged candidal infection of the rat's tongue. Russell C, et al. **J Oral Pathol** 4(6):330–9, Dec 75

Pathology of the ventral surface of the tongue. Adkins KF, et al. **NZ Dent J** 71(324):64–9, Apr 75

[Tongue cystecercosis] Lafont A, et al. **Rev Lat Am Patol** 10(3–4):151–3, Sep–Dec 71 (Eng. Abstr.) **(Spa)**

VETERINARY

Capillaria infections of pigs: description of C. papuensis sp. n. and the pathology of natural infections. Copland JW. **J Helminthol** 49(3):187–90, Sep 75

TONGUE, GEOGRAPHIC see **GLOSSITIS, BENIGN MIGRATORY**

TONGUE HABITS

Hyoid positioning during deglutition following forced positioning of the tongue. Cuozzo GS, et al. **Am J Orthod** 68(5):564–70, Nov 75

Hyoid and muscle changes following distal repositioning of the tongue. Gobeille DM, et al. **Am J Orthod** 70(3):282–9, Sep 76

Unilateral mandibular hyperplasia associated with ? lateral tongue thrust. Mitani H. **Angle Orthod** 46(3):268–75, Jul 76

Letter: Tongue–thrusting problem. Penzer V. **J Am Dent Assoc** 91(3):499, Sep 75

No evidence for a genetic basis of tongue rolling or hand clasping. Martin NG. **J Hered** 66(3):179–80, May–Jun 75

Tongue thrust: a point of view. Hanson ML. **J Speech Hear Disord** 41(2):172–84, May 76

Oral stereognostic ability among tongue thrusters with interdental lisp, tongue thrusters without interdental lisp and normal children. Colletti EA, et al. **Percept Mot Skills** 42(1):259–68, Feb 76

[Dysorthodontic role of the tongue in periodontology] Severineanu V, et al. **Rev Chir [Stomatol]** 22(1):25–9, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

TONGUE, HAIRY see under **TONGUE DISEASES**

TONGUE NEOPLASMS

Carcinoma of the anterior tongue in adolescence. Patel DD, et al. **Cancer** 37(2):917–21, Feb 76

Osteochondroma of tongue – a case report. Phadke AR, et al. **Indian J Cancer** 11(4):482–3, Dec 74

[Statistical and histomorphological data on tumors of the tongue and review of unusual forms] Luciani A, et al. **Arch De Vecchi Anat Patol** 60(1):123–204, Aug 74 (335 ref.) **(Ita)**

ANALYSIS

DNA contents of individual cells from squamous cell carcinomas of the larynx and tongue. Jakobsson PA, et al. **Laryngoscope** 85(10):1701–6, Oct 75

COMPLICATIONS

[Hypothyroidism caused by thyroid ectopy] Sliwa F, et al. **Pol Tyg Lek** 31(4):157–9, 26 Jan 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Personal observations concerning the cytodiagnosis of malignant tumors of the tongue] Hary M, et al. **Acta Stomatol Belg** 72(3):405–11, 1975 **(Fre)**

[Early diagnosis and treatment of cancer of the tongue and mouth floor] Sada VM. **Acta Stomatol Belg** 72(2):265–76, 1975 **(Fre)**

[Alveolar tongue sarcoma] Pinol Aguade J, et al. **Med Cutan Iber Lat Am** (1):49–61, 1974 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effects of bleomycin on human tongue carcinoma cells as revealed by electron microscopy. Yasuzumi G, et al. **Cancer Res** 36(10):3574–83, Oct 76

[Tissue effects of intra–arterial chemotherapy in pelvilingual cancers and their lymphatic metastases (Apropos of 47 cases)] Micheau C, et al. **Ann Otolaryngol Chir Cervicofac** 92(9):499–508, Sep 75 (Eng. Abstr.) **(Fre)**

[Preoperative cytostasis of extensive flat epithelial cancer of the tongue and floor of the mouth] Grüneberg V. **Acta Stomatol Belg** 72(3):437–42, 1975 **(Ger)**

ETIOLOGY

John Collins Warren (1778–1856). Wynder RL. **Prev Med** 5(2):317–9, Jun 76

[Kaposi's angioreticulosis in a female patient with the ulcerative form of recurrent herpes simplex] Kalamkarian AA, et al. **Vestn Dermatol Venerol** (6):48–52, Jun 75 **(Rus)**

HISTORY

Grant's cancer. Bickmore JT. **Trans Am Acad Ophthalmol Otolaryngol** 80(4 Pt 1):366–74, Jul–Aug 75

MORTALITY

[Statistical data on delay and prognosis in cancer of the tongue and the mouth floor] Reil B, et al. **Acta Stomatol Belg** 72(2):329–40, 1975 **(Ger)**

PATHOLOGY

Epidermoid carcinoma of the tongue. Histologic grading in the clinical evaluation. Lund C, et al. **Acta Radiol [Ther] (Stockh)** 14(6):513–21, Dec 75

Salivary gland tumors of the base of the tongue. Goepfert H, et al. **Arch Otolaryngol** 102(7):391–5, Jul 76

Malignant lymphoma of the tongue: a case report. Kessel LJ, et al. **Br J Oral Surg** 14(1):31–5, Jul 76

Carcinoma of the bladder matastatic to the tongue. Koper A 2d, et al. **Br J Urol** 47(6):644, Dec 75

A study of the lesion known as granular cell myoblastoma. (Case report). Soliman LA, et al. **J Egypt Med Assoc** 58(5–6):350–7, 1975

Carcinoma of the tongue. An unusual presentation. McKelvy B, et al. **J Oral Med** 31(1):4–6, Jan–Mar 76

Alveolar soft–part sarcoma in the oral cavity: report of a case. Olson RA, et al. **J Oral Surg** 34(1):73–6, Jan 76

Carcinoma arising in the area of median rhomboid glossitis. Burkes EJ, et al. **Oral Surg** 41(5):649–52, May 76

Heterotopic gastric mucosa of the tongue and the oesophagus. Melato M, et al. **ORL** 37(4):244–54, 1975
White sponge nevus of the tongue. Reaves CE. **South Med J** 68(9):1170–2, Sep 75
Mucoepidermoid carcinoma of the tongue. Adkins WY Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):465–7, Sep–Oct 75
Comparative ultrastructure of thyroid, tongue and eyelid lesions in the neuroma phenotype of medullary carcinoma of the thyroid: association of amyloid with fibroblasts in thyroid tumor and in mucosal neuromas. Thliveris JA, et al. **Virchows Arch [Pathol Anat]** 369(3):249–58, 16 Feb 76
[Role of the salivary glands in the evolution of carcinoma of the tongue and floor of the mouth] Payen J. **Acta Stomatol Belg** 72(3):431–3, 1975 **(Fre)**
[Schwannoma in the ORL region (apropos of 3 cases)] Andreevski A, et al. **God Zb Med Fak Skopje** 20:185–90, 1974 **(Fre)**
[Heteroptic gastric mucosa in the tongue] Giarelli L, et al. **Dtsch Zahnaerztl Z** 30(12):823–6, Dec 75 **(Ger)**
[Rhabdomyosarcoma of the tongue] Irzhanov SI, et al. **Arkh Patol** 37(11):73–4, 1975 **(Rus)**

RADIOTHERAPY

Squamous cell carcinoma of the oral tongue and floor of mouth. Evaluation of interstitial radium therapy. Delclos L, et al. **Am J Roentgenol** 126(2):223–8, Feb 76
External and interstitial radiation therapy of carcinoma of the oral tongue. A review of 32 years' experience. Fu KK, et al. **Am J Roentgenol** 126(1):107–15, Jan 76
Irradiation of clinically uninvolved cervical lymph nodes. Goffinet DR, et al. **Can J Otolaryngol** 4(5):927–33, 1975
Time, dose, and tumor volume relationships in irradiation of squamous cell carcinomas of the base of the tongue. Spanos WJ Jr, et al. **Cancer** 37(6):2591–9, Jun 76
Carcinoma of the tongue: radiotherapy results at Yale. pp. 183–9. Son YH.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Results of interstitial curietherapy in T3 and T4 floor of the mouth and tongue cancers after previous arterial infusion chemotherapy. Chassagne D, et al. **Panminerva Med** 18(1–2):45–9, Jan–Feb 76
Results of irradiation in squamous cell carcinomas of the glossopalatine sulcus. Shukovsky LJ, et al. **Radiology** 120(2):405–8, Aug 76
Results of irradiation in squamous cell carcinomas of the glossopalatine sulcus. Shukovsky LJ, et al. **Radiology** 120(2):405–8, Aug 76
[Radiation treatment of epitheliomas of the tongue and the mouth floor] Deckers C. **Acta Stomatol Belg** 72(2):253–8, 1975 **(Fre)**
[Interstitial endophototherapy using 198-Au in the treatment of tumors of the tongue and floor of the mouth] Popescu V, et al. **Acta Stomatol Belg** 72(3):483–6, 1975 **(Fre)**

SURGERY

Synovial sarcoma of the tongue: report of a case. Ghodsi S, et al. **Acta Med Iran** 17(3–4):155–60, Dec 74
The lymphatics of the tongue in relation to cancer. Droulias C, et al. **Am Surg** 42(9):670–4, Sep 76
Treatment of oral carcinoma with selective therapy for the individual patient. Robins RE, et al. **Am Surg** 41(9):538–42, Sep 75
Five-year results of surgical treatment in 85 laryngeal cancers with extension to the hypopharynx (pyriform sinus or base of tongue). pp. 179–82. Chiesa F, et al.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Some observations on radical total glossectomy. pp. 175–8. Kothary P.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Reconstruction in cancerology of the tongue. pp. 199–203. Meyer R, et al.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Oncocytoma of tongue in a child. Das S, et al. **J Pediatr Surg** 11(1):113–4, Feb 76
Treatment of carcinoma of the base of the tongue and the larynx. Novack AL. **Laryngoscope** 85(8):1332–43, Aug 75
Neck dissection in the treatment of carcinoma of the anterior two-thirds of the tongue. Mendelson BC, et al. **Surg Gynecol Obstet** 143(1):75–80, Jul 76
[Technical possibilities of destruction and reconstruction in surgery of cancer of the tongue and mouth floor] Torrielli F, et al. **Acta Stomatol Belg** 72(2):259–63, 1975 **(Fre)**
[Treatment of neoplasms of the mobile part of the tongue] Tugilimana M, et al. **Acta Stomatol Belg** 72(2):291–9, 1975 **(Fre)**
[Treatment of cervical lymphatic metastases of cancers of the mobile portion of the tongue at the Curie Foundation] Durand JC. **J Radiol Electrol Med Nucl** 56(11):833–4, Nov 75 **(Fre)**
[Surgical technic in combined treatment of cancer of the tongue and mouth floor] Becker R. **Acta Stomatol Belg** 72(2):247–52, 1975 **(Ger)**
[Pull-through surgery in mouth floor—tongue neoplasms] Scheunemann H. **Acta Stomatol Belg** 72(2):229–30, 1975 **(Ger)**
[Surgery of the tongue and floor of the mouth (author's transl)] Jahnke V. **Arch Otorhinolaryngol (NY)** 210(2):275–91, 8 Jul 75 (Eng. Abstr.) **(Ger)**
[Certain principles of prevention of recurrences after surgical treatment of tongue cancer] Shelomentsev IuA, et al. **Vestn Khir** 114(5):71–4, May 75 (Eng. Abstr.) **(Rus)**

THERAPY

Squamous cell carcinoma of the oral tongue in patients less than thirty years of age. Byers RM. **Am J Surg** 130(4):475–8, Oct 75
Grand rounds. Massachusetts Eye and Ear Infirmary, Tumor Clinic. Gacek RR, et al. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):139–46, Jan–Feb 76
Carcinoma of the oral tongue. pp. 120–6. Moore C, et al.
In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.
Cancer of the posterior one-third of the tongue and the floor of the mouth: present forms of treatment. Schwartzenfeld TH. **J Am Osteopath Assoc** 74(12):1174–9, Aug 75
[Epithelioma of the tip of the tongue. Analysis of a series of 1200 cases] Pourquier H, et al. **Ann Otolaryngol Chir Cervicofac** 92(10–11):601–8, Oct–Nov 75 (Eng. Abstr.) **(Fre)**
[Treatment of squamous cell carcinoma of the tongue (author's transl)] Tashiro H, et al. **J Jpn Soc Cancer Ther** 10(1):56–62, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

TONOMETRY

Applanation tonometry in the conscious cynomolgus monkey (Macaca fascicularis). Hahneberger RW. **Acta Ophthalmol (Kbh)** 54(3):311–9, Jul 76
Measurement of intraocular pressure: a study of its reproducibility. Phelps CD, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(1):39–43, 16 Jan 76
Letter: Autoclaving of tonometers. Sklar AL. **JAMA** 234(7):706, 17 Nov 75
Status of tonography and provocative tests. Hetherington JN. **Trans Ophthalmol Soc NZ** 27:21–2, 1975
[Studies of the normal tonometric values of the right branches of the cardiovascular system in young people] Grigorov M. **Vutr Boles** 14(5):46–8, 1975 (Eng. Abstr.) **(Bul)**
[Significance of tonography in the diagnosis of glaucoma] Zouharová M. **Cesk Oftalmol** 31(5):321–30, Sep 75 (Eng. Abstr.) **(Cze)**
[Tonographic and rheoophthalmographic studies] Giniiatullina AKh. **Oftalmol Zh** 30(3):182–4, 1975 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Experimental tonography on enucleated human eyes. II. The loss of intraocular fluid caused by tonography. Eriksen JH, et al. **Invest Ophthalmol** 14(12):944–7, Dec 75

INSTRUMENTATION

The effects of anesthetics on an in-vivo oxygen electrode. Bates ML, et al. **Am J Clin Pathol** 64(4):448–51, Oct 75
A new portable applanation tonometer. Yablonsky ME. **Am J Ophthalmol** 80(3 Pt 2):547–50, Sep 75
Clinical tonometric measurements comparing three non-contact tonometers. Walby MA, et al. **Am J Optom Physiol Opt** 52(6):414–8, Jun 75
A clinical evaluation of the applanation pneumatonograph. Jain MR, et al. **Br J Ophthalmol** 60(2):107–10, Feb 76
[Anal tonometer for 2-channel registration of the supraampullar sensitivity of healthy and ill persons] Viiachki I, et al. **Khirurgiia (Sofiia)** 28(6):590–2, 1975 **(Bul)**
[Comparative intraocular pressure measurements with position independent hand-applanatation tonometers (author's transl)] Kreiglstein GK, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):101–13, 14 Apr 76 (Eng. Abstr.) **(Ger)**
[Experiences with the non-contact-tonometer (author's transl)] Dittmar P, et al. **Klin Monatsbl Augenheilkd** 167(1):137–41, Jul 75 **(Ger)**
[Orbitopiezography and its clinical significance (author's transl)] Doege E. **Klin Monatsbl Augenheilkd** 167(4):593–6, Oct 75 (Eng. Abstr.) **(Ger)**
[Principle and results of a new 'non-contact-tonometer' are discussed (author's transl)] Draeger J, et al. **Klin Monatsbl Augenheilkd** 167(1):27–34, Jul 75 (Eng. Abstr.) **(Ger)**
[The Mackay-Marg-tonometer. A clinically applicable measuring apparatus for Pt-values (author's transl)] Stepanik J. **Klin Monatsbl Augenheilkd** 167(5):753–5, Nov 75 **(Ger)**
[The Stepanik arteriotonograph (author's transl)] Stepanik J. **Wien Klin Wochenschr** 88(12):398–401, 11 Jun 76 (Eng. Abstr.) **(Ger)**
[Measurements of intraocular pressure by means of a pneumatic applanation tonometer (pneumatonograph) (author's transl)] Horie T, et al. **Acta Soc Ophthalmol Jpn** 79(10):1550–5, 10 Oct 75 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of a non-contact tonometer (author's transl)] Kitazawa Y, et al. **Acta Soc Ophthalmol Jpn** 79(8):1105–9, Aug 75 (Eng. Abstr.) **(Jpn)**
[New measuring rulers for the Filatov-Kalf elastotonometer] Cherniavskii Gla. **Vestn Oftalmol** (4):84–6, Jul–Aug 75 **(Rus)**
[Clinical evaluation of Holberg's tonometer] Vagin BI, et al. **Vestn Oftalmol** (1):14–7, 1976 (Eng. Abstr.) **(Rus)**

METHODS

The noncontact tonometer. Clinical evaluation on normal and diseased eyes. Sorensen PN. **Acta Ophthalmol (Kbh)** 53(4):513–21, Sep 75
Pneumatonographic studies on normal and glaucomatus eyes. Langham ME, et al. **Adv Ophthalmol** 32:108–33, 1976
Methods of mathematical differentiation in tonography. Dutescu M. **Albrecht von Graefes Arch Klin Ophthalmol** 195(3):175–86, 6 Jun 75
Premature ventricular systole detection by applanation tonometry. Lichter PR, et al. **Am J Ophthalmol** 81(6):797–803, Jun 76
Measurement of intraocular pressure over a gel lens. Polse K, et al. **Am J Optom Physiol Opt** 53(1):3–6, Jan 76
Intra-ocular pressure after tonography. Korra A, et al. **Bull Ophthalmol Soc Egypt** 68:175–84, 1975
Results of the carotid and the differential jugular compression tests in normal and glaucomatous patients. Nesterov AP, et al. **Can J Ophthalmol** 11(3):203–7, Jul 76
Vascular pathophysiology of the ocular postural response. A pneumatonometric study. Langham ME. **Trans Ophthalmol Soc UK** 95(2):281–7, Jul 75
[Anotonometric studies of patients with benign diseases of the rectum] Viiachki I, et al. **Khirurgiia (Sofiia)** 29(2):119–24, 1976 (Eng. Abstr.) **(Bul)**
[The Mackay-Marg-tonometer. VII. The continuous registration of the intraocular pressure (author's transl)] Stepanik J. **Albrecht von Graefes Arch Klin Ophthalmol** 198(2):171–7, 4 Feb 76 (Eng. Abstr.) **(Ger)**
[Elastotonometric studies in hypertensive disease] Belorussov VK. **Oftalmol Zh** 30(3):211–4, 1975 (Eng. Abstr.) **(Rus)**

STANDARDS

Should tonometry screening be done by technicians instead of physicians? Spector R, et al. **Arch Intern Med** 135(9):1260–2, Sep 75
[Suggestion of a calibration procedure for the Mackay-Marg tonometer] Jessen K, et al. **Ber Dtsch Ophthalmol Ges** (73):344–9, 1975 **(Ger)**

TONSIL

Gonorrhoea of the throat at a venereological clinic. Incidence and Results of Treatment. Hallqvist L, et al. **Br J Vener Dis** 51(6):395–7, Dec 75
Differential production of interferon and lymphotoxin by human tonsil lymphocytes. Klimpel GR, et al. **Cell Immunol** 20(2):187–96, Dec 75
Cardiac and pulmonary failure secondary to adenotonsillar hypertrophy. Goodman RS, et al. **Laryngoscope** 86(9):1367–74, Sep 76
[Atypical conjunctival and tonsillar locations of malacoplakia] Destombes P, et al. **Arch Ophtalmol (Paris)** 35(5):427–32, May 75 (Eng. Abstr.) **(Fre)**
[Chronic tonsillogenic obstruction of the upper respiratory pathways as a cause of hypertrophy and insufficiency of the right heart] Jurko A, et al. **Cesk Pediatr** 30(11):525–8, Nov 75 (Eng. Abstr.) **(Slo)**

ANALYSIS

[Analysis of alpha-acid ketone bodies in tonsillar tissue (author's transl)] Wilke J, et al. **Z Laryngol Rhinol Otol** 53(2):140–7, Feb 74 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[Morphological bases of the immunological response in the palate tonsil] Sprekelsen C, et al. **An Otorrinolaringol Ibero Am** 1(6):114–28, 1974 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Various characteristics of the lymphatic vessels in the removed tonsils] del Cañizo Suárez A, et al. **An Otorrinolaringol Ibero Am** 1(2):94–110, 1974 (Eng. Abstr.) **(Spa)**

CYTOLOGY

A characterization of human tonsillar lymphocytes after separation from other tonsillar cells in an isokinetic gradient of ficoll in tissue culture medium. Willson JK Jr, et al. **Am J Pathol** 83(2):341–58, May 76
Localization of E and EAC binding lymphocytes in human tonsils. Takeuchi Y, et al. **ORL** 38(2):99–107, 1976
[Histopathological study on the chronological change of human palatine tonsils (author's transl)] Ikeda M. **J Otolaryngol Jpn** 78(7):623–37, 20 Jul 75 (Eng. Abstr.) **(Jpn)**
[Induction of a local transplant vs. host reaction by cells of the palatine tonsils] Nikol'skii IS, et al. **Zh Ushn Nos Gorl Bolezn** (5):55–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Cellular structure of tissue of the palatine tonsils cultivated in vitro] Vizirenko LV, et al. **Zh Ushn Nos Gorl Bolezn** (6):45–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Heterogeneity among preparations of crude trypsin used to

disaggregate the human tonsil. Willson JK, et al. **Immunology** 30(1):157–60, Jan 76

Effects of prolonged use of adrenocortical hormones on the tonsils in children. Fukunaga T, et al. **Kumamoto Med J** 28(1):53–9, 31 Mar 75

ENZYMOLOGY

Alkaline phosphatase activity in the human tonsils and its relation to tonsillar diseases. Rakhawy MT, et al. **Acta Anat (Basel)** 95(3):434–43, 1976

In vitro synthesis and identification of lysozyme in human tonsillar cells. Puskás M, et al. **Biochem Med** 13(4):359–69, Aug 75

[Histochemistry of the key oxidation–reduction enzymes of dehydrogenating action in the tonsils during ultrasonic therapy of chronic tonsillitis] Kalinovskaia LP. **Zh Ushn Nos Gorl Bolezn** (2):20–1, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Increased proportion of B lymphocytes in human tonsils and appendices. Alexopoulos C, et al. **Acta Haematol (Basel)** 55(2):95–8, 1976

Distribution of immunoglobulin-containing cells in human bone marrow and lymphoid tissues. Turesson I. **Acta Med Scand** 199(4):293–304, 1976

B- and T-lymphocyte markers on transformed lymphocytes from mitogen-stimulated cultures of normal and CLL lymphocytes and on tonsil blasts. Smith JL, et al. **Clin Exp Immunol** 17(4):547–60, Aug 74

B- and T-lymphocyte markers on transformed lymphocytes from mitogen-stimulated cultures of normal and CLL lymphocytes and on tonsil blasts. Smith JL, et al. **Clin Exp Immunol** 17(4):547–60, Aug 74

Immunofluorescence studies on renal tissue, tonsils, adenoids, nasal polyps, and skin of atopic and nonatopic patients, with special reference to IgE. FeltkampVroom TM, et al. **Clin Immunol Immunopathol** 4(3):392–404, Sep 75

Fc- and complement-receptor rosette-forming cell ratios in human tonsils and peripheral blood. Siegel I, et al. **Int Arch Allergy Appl Immunol** 50(4):488–96, 1976

In vitro response of subpopulations of human tonsil lymphocytes. I. Cellular collaboration in the proliferative response to PHA and Con A. Delespesse G, et al. **J Immunol** 116(2):437–45, Feb 76

Synthesis of Gm allotypes by human tonsillar lymphocytes in culture: concordance with serum phenotype. Litwin SD, et al. **J Immunol** 116(4):1045–50, Apr 76

[The autoradiographic definition of the proliferation of lymphoblasts in tonsils of children (author's transl)] Sprekelsen C. **Arch Otorhinolaryngol (NY)** 211(3):173–6, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[The distribution of B-lymphocytes in lymphoepithelial tissues as well as in tumors of the neck-, nose-, and throat region derived from lymphoreticular and lymphoepithelial tissues (author's transl)] Uhlmann C, et al. **Arch Otorhinolaryngol (NY)** 209(4):291–301, 28 Aug 75 (Eng. Abstr.) **(Ger)**

[Tonsils and immunology (author's transl)] Bläker F. **HNO** 23(9):265–9, Sep 75 (21 ref.) (Eng. Abstr.) **(Ger)**

[Mechanisms of antibody formation in vitro by human tonsil lymphocytes (author's transl)] Watanabe T, et al. **Acta Haematol Jpn** 37(5):684–8, Oct 74 (Eng. Abstr.) **(Jpn)**

[In vitro studies on immunological mechanism of antigenic information transfer of the tonsil (author's transl)] Imai A. **J Otolaryngol Jpn** 78(6):528–42, 20 Jun 75 (Eng. Abstr.) **(Jpn)**

[Tonsil and nephritis] Ino H. **Jpn J Nephrol** 17(7):652–5, Jul 75 **(Jpn)**

[Capacity of the cells of palatine tonsils to evoke graft vs host reaction in patients with chronic tonsillitis] Nikol'skii IS. **Vestn Otorinolaringol** (5):63–4, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Mechanism of the production of interferon in the lymphoid formations of the throat] Tokhadze TL, et al. **Vestn Otorinolaringol** (6):18–23, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Palatine tonsils and immunity. IV. Lymphocyte blast transformation in various lymphoid organs of animals immunized with microbial antigens] Chernata LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):123–7, May 75 (Eng. Abstr.) **(Rus)**

[Participation of the palatine tonsils in the body's immune response to several bacterial toxins] Gorbachevskii VN. **Zh Mikrobiol Epidemiol Immunobiol** (1):141–2, Jan 76 **(Rus)**

[The palatine tonsils and immunity. Report VII. Soluble factors produced by the lymphocytes of the palatine tonsils in vitro] Vizirenko LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):82–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Method of study of the functional properties of the lymphoid pharyngeal ring in normal and pathologic states] Chesnokov AA. **Zh Ushn Nos Gorl Bolezn** (6):95–6, Nov–Dec 75 **(Rus)**

[Dynamics and age characteristics of reagin formation after administration of antigen into palatine tonsils] Diugovskaia LA. **Zh Ushn Nos Gorl Bolezn** (3):57–60, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Thymus-dependent lymphocytes in the palatine tonsils of patients with chronic tonsillitis] Grinevich IuA. **Zh Ushn Nos Gorl Bolezn** (4):48–52, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Distribution of immunoglobulins in palatal tonsils: Immunocytochemical study of fluorescente antibodies] Algaba J, et al. **An Otorrinolaringol Ibero Am** 3(2):239–54, 1976 (Eng. Abstr.) **(Spa)**

[Antibodies in latent adenovirus infection in human tonsil cell cultures] Vikhot' NE, et al. **Mikrobiol Zh** 36(3):328–32, May–Jun 74 (Eng. Abstr.) **(Ukr)**

INNERVATION

[State of the neural apparatus of the palatine tonsils in patients with chronic tonsillitis after ultrasonic therapy] Pokotilenko AK, et al. **Zh Ushn Nos Gorl Bolezn** (2):14–20, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Interferon-producing capacity of human tonsil cells and properties of interferon produced by these cells. Marchenko VI, et al. **Acta Virol (Praha)** 20(2):114–8, Apr 76

Characterization of N-ethylmaleimide-reactive proteins from human tonsillar ribosomes by two-dimensional polyacrylamide gel electrophoresis. Ucer U, et al. **Biochim Biophys Acta** 402(2):206–13, 21 Aug 75

The DNA polymerase and the cAMP content of human tonsillar lymphocytes. pp. 409–18. Staub M, et al. **In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

[Concentration of RNA, DNA and protein in the human tonsil as a parameter for the discrimination of their function (author's transl)] Siegel G, et al. **Arch Otorhinolaryngol (NY)** 211(4):237–47, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Penicillin V potassium in tonsillar tissue and serum (author's transl)] Backmann H, et al. **Munch Med Wochenschr** 117(36):1405–8, 5 Sep 75 **(Ger)**

[Rate of elimination from the paratonsillar tissue of substances administered by means of jet injection in experiments] Gigauri VS, et al. **Vestn Otorinolaringol** (6):26–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Histochemical characteristics of the tonsils of rabbits during interferon formation] Gorlinskaia OV, et al. **Zh Ushn Nos Gorl Bolezn** (2):82–3, Mar–Apr 76 **(Rus)**

MICROBIOLOGY

IgA levels and carrier rate of Haemophilus influenzae and beta-haemolytic streptococci in children undergoing tonsillectomy. Ostergaard PA. **Acta Pathol Microbiol Scand [C]** 84(4):290–8, Aug 76

The action of erythromycin and penicillin on the bacterial flora in tonsil tissue. pp. 319–25. Gould JC. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.**

[The difference of bacterial distribution of tonsiller surface and parenchyma (author's transl)] Sugita R, et al. **J Otolaryngol Jpn** 78(5):406–11, 20 May 75 (Eng. Abstr.) **(Jpn)**

[Importance of bacteriological and immunological studies of the palatine tonsils for the diagnosis of the prerheumatic state in children with chronic decompensated tonsillitis] Balak NP. **Pediatr Akush Ginekol** :7–9, May–Jun 76 **(Ukr)**

PATHOLOGY

Letter: Postural apnea due to large tonsils and adenoids. Moffat DA. **J Pediatr** 89(3):510, Sep 76

[Juvenile tonsillectomy and leukemia] Matzker J, et al. **Laryngol Rhinol Otol (Stuttg)** 54(12):991–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Report on a case of hematogenous bilateral tuberculosis of the tonsils] Bersi S. **Pathologica** 67(967–968):251–6, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Several clinico-morphologic findings in children with prolonged diphtheritic carrier state] Sizemov AN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:125–30, 1973 **(Rus)**

[Morphological changes of the palatine tonsils in acute radiation sickness] Afrikanova LA, et al. **Vestn Otorinolaringol** (1):56–60, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Cytophotometry of the DNA in the tonsillar epithelial and lymphoid cells in the ultrasonic therapy of chronic tonsillitis patients] Andreichenko VI. **Zh Ushn Nos Gorl Bolezn** (5):50–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Experimental studies on sequential changes of immunoglobulin rabbits after tonsillectomy (author's transl)] Kojima K. **J Otolaryngol Jpn** 78(5):442–56, 20 May 75 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Immunological function of human tonsil. Surface topology of human tonsil lymphocytes using the scanning electron microscope (SEM). Tabata T, et al. **Acta Otolaryngol (Stockh)** 80(5–6):474–8, Nov–Dec 75

[Differentiation of the oral lymphoid tissues: surface structures of the tonsilar epithelium of the developing rabbit] Saito H, et al. **Acta Anat Nippon** 51(3):168–79, Jun 76 (Eng. Abstr.) **(Jpn)**

TONSILLAR NEOPLASMS

Cancer tonsil. Das BC, et al. **J Indian Med Assoc** 65(2):42–5, 16 Jul 75

Neurilemmoma of tonsil. Naik SD, et al. **J Indian Med Assoc** 65(1):17–8, 1 Jul 75

DIAGNOSIS

Metastatic melanocarcinoma presenting as a tonsil polyp. Jafek BW, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):431–3, Sep–Oct 75

OCCURRENCE

[Malignant tumors of the tonsils and surrounding areas in 1952–1973] Suster M, et al. **Cesk Otolaryngol** 25(1):12–7, Feb 76 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Congenital stalked fibromatous polyp of the superior pole of the tonsil containing hairless sebaceous glands. Schmid KO. **Beitr Pathol** 155(4):435–42, Aug 75

[Rare case of symptomless metastasis of tonsillar reticulosarcoma into the heart] Kulik II. **Zh Ushn Nos Gorl Bolezn** (3):86–7, May–Jun 75 **(Rus)**

RADIOTHERAPY

Non-randomized comparison of preoperative irradiation and surgery versus irradiation alone in the management of carcinoma of the tonsil. Perez CA, et al. **Am J Roentgenol** 126(2):248–60, Feb 76

Irradiation of clinically uninvolved cervical lymph nodes. Goffinet DR, et al. **Can J Otolaryngol** 4(5):927–33, 1975

Unequal weighting of given doses in opposed fields in treatment of cancer of the tonsillar region using 60Co, 4-, 8-, 15-, 24-MVp photons. Wollin M, et al. **Med Phys** 3(2):113–6, Mar–Apr 76

[Results of different variants of radiation treatment of reticular tumors of the tonsils] Sarantseva IP. **Med Radiol (Mosk)** 20(10):33–7, Oct 75 (Eng. Abstr.) **(Rus)**

SURGERY

Carcinoma of the tonsil. Fleming PM, et al. **Surg Clin North Am** 56(1):125–36, FEB 76

THERAPY

Carcinoma of the tonsillar fossa. pp. 190–8. Chen TY, et al. **In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.**

Carcinoma of the tonsil and oropharynx. pp. 127–30. Shumrick DA. **In: Chambers RG, et al., ed. Cancer of the head and neck. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.365 1975.**

TONSILLECTOMY

IgA levels and carrier rate of Haemophilus influenzae and beta-haemolytic streptococci in children undergoing tonsillectomy. Ostergaard PA. **Acta Pathol Microbiol Scand [C]** 84(4):290–8, Aug 76

The indications for tonsillectomy in adults and in children. Goląbek W, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:189–92, 1974

Postoperative vomiting after paediatric adenotonsillectomy. A survey of incidence following differing pre- and postoperative drugs. Smith BL, et al. **Br J Anaesth** 46(5):373–8, May 74

Hypoglycaemia in children undergoing adenotonsillectomy. Kelnar CJ. **Br Med J** 1(6012):751–2, 27 Mar 76

Improvement of refractory psoriasis vulgaris after tonsillectomy. Nyfors A, et al. **Dermatologica** 151(4):216–22, 1975

Tonsillectomy and serum immunoglobulin concentration. Filipče I, et al. **God Zb Med Fak Skopje** 21:127–31, 1975

Improvement of recalcitrant psoriasis vulgaris after tonsillectomy. Nyfors A, et al. **J Laryngol Otol** 90(8):789–94, Aug 76

Familial bleeding tendency and tonsillectomy. Robinson JM. **J Otolaryngol** 5(2):167–70, Apr 76

Tonsillectomy and infectious mononucleosis--a possible relationship. Goode RL, et al. **Laryngoscope** 86(7):992–5, Jul 76

Editorial: Tonsillectomies and adenoidectomies in N.S.W. **Med J Aust** 2(2):38, 12 Jul 75

Letter: Tonsillectomy: ice cream myth. Bulteau V. **Med J Aust** 1(1–2):34, 3–10Jan 76

Letter: Tonsillectomy: ice cream myth. Gray LP. **Med J Aust** 1(7):208, 14 Feb 76

Immediate tonsillectomy for peritonsillar abscess. McCurdy JA Jr, et al. **Milit Med** 140(11):787–5, Nov 75

Cardiac arrhythmias during tonsillectomy and adenoidectomy. Rodriguez-Torres R, et al. **Ohio State Med J** 71(18):839–42, Dec 75

A systematic review of the literature on evaluative studies of tonsillectomy and adenoidectomy. Shaikh W, et al. **Pediatrics** 57(3):401–7, Mar 76

Incidence of adenotonsillectomy in children of women

referred with gynaecological symptoms. Millac J. **Practitioner** 215(1286):220–2, Aug 75

An ent view of adenotonsillectomy. Hill CL. **RI Med J** 59(1):23–4, 32, Jan 76

Clinical trials of tonsillectomy and adenoidectomy: limitations of existing studies and a current effort to evaluate efficacy. Paradise JL. **South Med J** 69(8):1049–53, Aug 76

[Our experiences with tonsillectomies using neuroleptoanalgesia in combination with a local anesthetic] Franta J, et al. **Cesk Otolaryngol** 25(1):44–8, Feb 76 (Eng. Abstr.) **(Cze)**

[Patients 5–years after tonsillectomy] Lederer V. **Cesk Otolaryngol** 25(2):106–12, Apr 76 (Eng. Abstr.) **(Cze)**

[Anesthesia in tonsillectomy. Round table] **Rev Laryngol Otol Rhinol (Bord)** 95(11–12):753–63, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Letter: Tonsillectomy in 'focal toxicosis'] Fleischer K. **Dtsch Med Wochenschr** 100(37):1871, 12 Sep 75 **(Ger)**

[Meteorological observations concerning haemorrhages after tonsillectomy (author's transl)] Dubs R, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):755–61, Sep 75 (Eng. Abstr.) **(Ger)**

[On a neurophysiological interpretation of acupunctural analgesia in tonsillectomy and in extensive operations (author's transl)] Leicher H. **Laryngol Rhinol Otol (Stuttg)** 54(4):279–90, Apr 75 (Eng. Abstr.) **(Ger)**

[Editorial: The pros and cons of tonsillectomy] **Munch Med Wochenschr** 118(25):9, 18 Jun 76 **(Ger)**

[Statistical analysis of correlations between tonsillectomy and malignant neoplasms of the thyroid] Raso AM, et al. **Minerva Chir** 30(22):1135–9, 30 Nov 75 (Eng. Abstr.) **(Ita)**

[Pharyngeal hemolytic streptococci in children and tonsillectomized patients] Nakazawa H, et al. **J Jpn Assoc Infect Dis** 49(3):133–5, Mar 75 (Eng. Abstr.) **(Jpn)**

[Clinical study of effects of tonsillectomy on persistent glomerulonephritis in children (author's transl)] Kawano R. **J Otolaryngol Jpn** 79(1):51–69, 20 Jan 76 **(Jpn)**

[Indications for tonsillectomy in young children] Kruchinina IL, et al. **Pediatriia** (11):50–3, Nov 75 (Eng. Abstr.) **(Rus)**

[Possibility of cryogenic surgery of the tonsils under ambulatory conditions] Bari AA, et al. **Vestn Otorinolaringol** (4):93–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of postoperative period after tonsillectomy with local use of epsilon–aminocaproic acid (E–ACA)] Gadziev MK. **Vestn Otorinolaringol** (2):57–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Anesthesia during adenotonsillectomy in children] Limanskiĭ SS. **Vestn Otorinolaringol** (4):89–93, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Local use of epsilon–aminocaproic acid in tonsillectomy] Radziev MK. **Vestn Otorinolaringol** (3):92–3, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Necrosis of the pharyngeal mucosa after administration of 1% solution of novocaine] Stukalenko AA. **Vestn Otorinolaringol** (3):100–1, May–Jun 74 **(Rus)**

[Tonsillectomy times in chronic tonsillitis complicated by a paratonsillar abscess] Babich VS. **Voen Med Zh** (9):52–3, Sep 75 **(Rus)**

[Tonsillectomy in children with glomerulonephritis] Iboian SR, et al. **Zh Eksp Klin Med** 15(5):70–4, 1975 **(Rus)**

[Indications for tonsillectomy and preoperative preparation of patients with congenital heart defects] Fedun NF, et al. **Zh Ushn Nos Gorl Bolezn** (3):50–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Level of serum immunoglobulins in patients with tonsillitis and in tonsillectomized persons] Grinevich IuA, et al. **Zh Ushn Nos Gorl Bolezn** (6):63–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Case of anaphylactic shock and hemiparesis after administration of novocaine] Ispuganov IM. **Zh Ushn Nos Gorl Bolezn** (2):110, Mar–Apr 76 **(Rus)**

[Hemolytic jaundice after tonsillectomy] Kaverin VT. **Zh Ushn Nos Gorl Bolezn** (4):105–6, Jul–Aug 75 **(Rus)**

[Tonsillectomy in patients with ischemic heart disease] Verkhogliadov VA, et al. **Zh Ushn Nos Gorl Bolezn** (4):52–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Humoral repercussion of childhood amigdalectomy. Immunoserologic and immunohistologic evaluation] Sprekelsen C. **An Otorrinolaringol Ibero Am** 2(1):84–95, 1975 (Eng. Abstr.) **(Spa)**

[10 years of experience in adenoidectomy and tonsillectomy under general anesthesia (1964–1974)] Martínez Hernández A, et al. **Rev Esp Anestesiol Reanim** 23(1):50–6, Jan 76 **(Spa)**

ADVERSE EFFECTS

Bacteremia after tonsillectomy and adenectomy. Van Eyck M. **Acta Otolaryngol (Stockh)** 81(3–4):242–3, Mar–Apr 76

Bleeding following tonsillectomy. A study of electrocoagulation and ligation techniques. Roy A, et al. **Arch Otolaryngol** 102(1):9–10, Jan 76

Hypernasality following tonsil dissection--hysterical aetiology. Gibb AG, et al. **J Laryngol Otol** 89(7):779–781, Jul 75

[Meteorological observations concerning haemorrhages after tonsillectomy (author's transl)] Dubs R, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):755–61, Sep 75 (Eng. Abstr.) **(Ger)**

[Complications during and following tonsillectomy] Gastpar H. **Laryngol Rhinol Otol (Stuttg)** 55(4):292–8, Apr 76 (Eng. Abstr.) **(Ger)**

[Septicemia following tonsillectomy] Zalewski P. **Otolaryngol Pol** 29(6):645–7, 1975 **(Pol)**

[Some aspects of speech disorders after adenoidectomy and tonsillectomy in children] Bogdan C, et al. **Rev Chir [Otorinolaringol]** 19(5):353–7, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Characteristics of general and local fibrinolysis and functional properties of thrombocytes in patients with increased tendency to bleeding after tonsillectomy] Timoshenkiĭ VI. **Vestn Otorinolaringol** (5):71–4, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[New instruments for tonsillectomy] Vakhnin AK. **Nov Med Priborostr** (4):23–6, 1973 **(Rus)**

[Suction–spatula for tonsillectomy] Parkhomovskiĭ NA. **Zh Ushn Nos Gorl Bolezn** (2):119, Mar–Apr 75 **(Rus)**

METHODS

Clinical results of cryosurgery in recurrent acute tonsillitis. Schousboe HH, et al. **J Laryngol Otol** 90(8):795–9, Aug 76

A biochemical study of cryotonsillectomy in dogs. Kataura A, et al. **ORL** 37(5):299–305, 1975

[Tonsillectomy performed after analgesia with acupuncture] Dumitru C, et al. **Rev Chir [Otorinolaringol]** 20(3):221–6, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Nasopharyngeal anesthesia during tonsillectomy] Ariaev LN, et al. **Zh Ushn Nos Gorl Bolezn** (2):98–100, Mar–Apr 75 **(Rus)**

[Indications for cryotonsillotomy] Daĭniak LB, et al. **Zh Ushn Nos Gorl Bolezn** (2):93–5, Mar–Apr 75 **(Rus)**

[Tonsillectomy by disection and general anesthesia with endotracheal intubation] Muñóz M, et al. **An Otorrinolaringol Ibero Am** 1(6):75–82, 1974 (Eng. Abstr.) **(Spa)**

MORTALITY

Letter: Hypoglycaemia in children undergoing adenotonsillectomy. Mawson S. **Br Med J** 1(6016):1016, 24 Apr 76

UTILIZATION

Tonsillectomy and adenoidectomy: are too many being done? Karelitz S. **NY State J Med** 75(13):2428–30, Nov 75

TONSILLITIS

[Current problems in the study of tonsillitis] Bochorishvili VG. **Ter Arkh** 47(8):19–26, 1975 **(Rus)**

[Dispensarization of patients with rheumatism and chronic tonsillitis in a rural medical district] Aleĭnikova NM, et al. **Vopr Revm** 00(02):58–9, Apr–Jun 76 **(Rus)**

[Isolated tuberculosis of the palatine tonsils] Skopintsev VT, et al. **Zh Ushn Nos Gorl Bolezn** (2):109–10, Mar–Apr 76 **(Rus)**

BLOOD

[Evaluation of the state of the coagulation properties of the blood in patients with subcompensatory chronic tonsillitis according to graphic coagulography data] Zaĭko NG. **Vestn Otorinolaringol** (6):23–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Results of a discussion of the classification of chronic tonsillitis] Evdoshchenko EA. **Zh Ushn Nos Gorl Bolezn** (5):68–75, Sep–Oct 75 **(Rus)**

[Classification of chronic tonsillitis] Gugas'ian MA. **Zh Ushn Nos Gorl Bolezn** (3):68–71, May–Jun 75 **(Rus)**

[Classification of chronic tonsillitis] Karpov NA. **Zh Ushn Nos Gorl Bolezn** (2):80–3, Mar–Apr 75 **(Rus)**

[Clinical classification of chronic tonsillitis] Tsyganov AI, et al. **Zh Ushn Nos Gorl Bolezn** (4):75–9, Jul–Aug 75 **(Rus)**

COMPLICATIONS

[Rare complication of tonsillitis: hypopyonal panuveitiis. A propos of a case] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 75(5–6):692–5, May–Jun 75 **(Fre)**

[Acute peritonsillitis followed by gas phlegomon in the neck in a diabetic (author's transl)] Mukai T, et al. **J Otolaryngol Jpn** 78(11):1177–83, 20 Nov 75 (Eng. Abstr.) **(Jpn)**

[Characteristics of the clinical course of neuroinfection in children with chronic tonsillitis] Vashchenko MA, et al. **Pediatriia** (1):36, Jan 74 **(Rus)**

[Role of chronic tonsillitis in the development of recurrence of pulmonary tuberculosis] Tolstykh SA. **Probl Tuberk** (9):54–7, 1975 (Eng. Abstr.) **(Rus)**

[Hemodynamics of the lesser circulation in patients with primary rheumatic heart disease, myocarditis of non–rheumatic etiology and tonsillogenic dystrophy of the myocardium] Goloshchapov OA, et al. **Vopr Revm** 00(02):66–70, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Influence of chronic tonsillitis on the course of congenital lateral cysts and fistulas of the neck and the tactics of surgical treatment] Kruchinina IL, et al. **Zh Ushn Nos Gorl Bolezn** (6):51–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of myocardial energetics in rheumatism and tonsillogenic cardiopathy in children] Zolotova LI. **Pediatr Akush Ginekol** (3):11–2, May–Jun 75 **(Ukr)**

DIAGNOSIS

[Clinical aspects and treatment of chronic tonsillogenic staphylococcal intoxication in preschool and schoolchildren] Berezhnoĭ VV, et al. **Pediatr Akush Ginekol** (1):18–20, Jan–Feb 75 **(Rus)**

[Diagnosis of angina–free chronic tonsillitis] Aslanian GG, et al. **Pediatriia** (4):55–6, Apr 75 **(Rus)**

DRUG THERAPY

Antibiotics in the treatment of tonsillitis. Everett MT. **J R Coll Gen Pract** 25(154):317–25, May 75

[Conservative treatment of chronic tonsillitis] Sprenger F. **Z Allgemeinmed** 51(33):1549–51, 30 Nov 75 **(Ger)**

[Erythromycin and oleandomycin concentration in the body of angina patients taking the preparations orally] Liashenko IuI. **Antibiotiki** 20(8):721–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Decamethoxin paste on wax base for the treatment of chronic tonsillitis] Andriĭchuk AI. **Vestn Otorinolaringol** (5):97–8, Sept–Oct 1974 **(Rus)**

[Validation of some treatment schemes for angina patients] Khodyrev AP, et al. **Voen Med Zh** (11):45–7, Nov 75 **(Rus)**

[Therapeutic effectiveness of ethone electroaerosols in chronic tonsillitis in children] Gezunterman PI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):367–8, Jul–Aug 75 **(Rus)**

[Use of antirheumatic and antimicrobial drugs for the prevention of rheumatism in patients with streptococcal infection] Iasinovskiĭ MA, et al. **Vrach Delo** (2):12–6, Feb 74 **(Rus)**

[Distribution of phenozymethylpenicillin in the body of healthy persons and patients with angina] Liashenko IuI. **Vrach Delo** (2):104–6, Feb 74 (Eng. Abstr.) **(Rus)**

[Effectiveness of the treatment of patients with chronic tonsillitis by means of decamethoxin paste] Zubovich AP. **Zh Ushn Nos Gorl Bolezn** (2):99–100, Mar–Apr 76 **(Rus)**

[Penicillin induced haemolytic anaemia. Communication of a case (author's transl)] Agüero A, et al. **Sangre (Barc)** 20(3):345–52, 1975 **(Spa)**

ENZYMOLOGY

Alkaline phosphatase activity in the human tonsils and its relation to tonsillar diseases. Rakhawy MT, et al. **Acta Anat (Basel)** 95(3):434–43, 1976

[Study of the enzymatic system of proteolysis in the saliva of patients with chronic tonsillitis] Veremeenko KN, et al. **Vestn Otorinolaringol** (6):13–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

HISTORY

[Contribution of the L.I. Sverzhevskiĭ's school to the tonsillar problem] Pal'chun VT, et al. **Vestn Otorinolaringol** (4):107–13, Jul–Aug 75 **(Rus)**

IMMUNOLOGY

[Diagnosis of allergic conditions in chronic tonsillitis in children] Grishko AA. **Pediatriia** (1):46–7, Jan 74 **(Rus)**

[Capacity of the cells of palatine tonsils to evoke graft vs host reaction in patients with chronic tonsillitis] Nikol'skiĭ IS. **Vestn Otorinolaringol** (5):63–4, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Clinico–diagnostic importance of Steffen's reaction in rheumatism and similar infectious–allergic diseases] Iasakova OI, et al. **Vopr Revm** (2):25–7, Apr–Jun 75 (Eng. Abstr.) **(Rus)**

[Method of study of the functional properties of the lymphoid pharyngeal ring in normal and pathologic states] Chesnokov AA. **Zh Ushn Nos Gorl Bolezn** (6):95–6, Nov–Dec 75 **(Rus)**

[Relation between cutaneous reactions to chemical fractions of Staphylococcus and Streptococcus and the level of certain immunologic indicators in patients with chronic tonsillitis] Chulaevskaia LK. **Zh Ushn Nos Gorl Bolezn** (2):25–32, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Thymus–dependent lymphocytes in the palatine tonsils of patients with chronic tonsillitis] Grinevich IuA. **Zh Ushn Nos Gorl Bolezn** (4):48–52, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Level of serum immunoglobulins in patients with tonsillitis and in tonsillectomized persons] Grinevich IuA, et al. **Zh Ushn Nos Gorl Bolezn** (6):63–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Blast–transformation of tonsillar lymphocytes and content of 3 main groups of immunoglobulins in blood serum of young children with chronic tonsillitis] Skorik AA. **Zh Ushn Nos Gorl Bolezn** (4):24–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Cellular reactivity characteristics in rheumatism and chronic tonsillitis in children] Ostropolets SS, et al. **Pediatr Akush Ginekol** (3):10–1, May–Jun 75 **(Ukr)**

MICROBIOLOGY

Epstein–Barr virus associated with episodes of recurrent tonsillitis. Veltri RW, et al. **Arch Otolaryngol** 101(9):552–6, Sep 75

Complex surveillance of Streptococcus pyogenes. II. Resistance in human blood and bactericidal activity receptors of field and collection streptococci. Kahlich R, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):207–16, 1975

Recurrent adenotonsillitis: a new concept. Sprinkle PM, et al. **Laryngoscope** 86(1):58–63, Jan 76

[The difference of bacterial distribution of tonsiller surface and parenchyma (author's transl)] Sugita R, et al. **J Otolaryngol Jpn** 78(5):406–11, 20 May 75 (Eng. Abstr.) **(Jpn)**

[Problems concerning tonsillar infections] Ozawa A. **Jpn J Bacteriol** 30(1):270, Jan 75 **(Jpn)**

[Role of anaerobic streptococci in human pathology. Report I. Etiological significance of anaerobic streptococci in chronic tonsillitis] Stovbun FI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):78–82, Dec 75 (Eng. Abstr.) **(Rus)**

[Importance of bacteriological and immunological studies of the palatine tonsils for the diagnosis of the prerheumatic state in children with chronic decompensated tonsillitis] Balak NP. **Pediatr Akush Ginekol** :7–9, May–Jun 76 **(Ukr)**

[Microbiologic characteristics of chronic tonsillitis in children] Berezhnyĭ VV, et al. **Pediatr Akush Ginekol** (6):17–9, Nov–Dec 75 **(Ukr)**

PATHOLOGY

[The influence of the chronic tonsillar inflammations to the kidney (author's transl)] Kanō T. **J Otolaryngol Jpn** 78(4):308–15, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[State of the cardiovascular system in chronic tonsillitis in children] Devichenskaia EN. **Pediatriia** (4):69–70, Apr 75 **(Rus)**

[Dynamics of the changes of partial functions of the kidneys in patients with angina] Grigorian MA, et al. **Vestn Otorinolaringol** (5):67–70, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

[Functional state of the stomach in children with tonsillitis] Beliaev IuD, et al. **Zh Ushn Nos Gorl Bolezn** (2):35–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Scalar and vector indices of the EKG in children with decompensated chronic tonsillitis] Tykhyĭ AK, et al. **Pediatr Akush Ginekol** (5):24–6, 1975 **(Ukr)**

PREVENTION & CONTROL

[Prophylactic measures aimed at decreasing the incidence of angina at the Dnepetrovsk locomotive repair plant] Skvirskaia AA, et al. **Zh Ushn Nos Gorl Bolezn** (2):97–8, Mar–Apr 75 **(Rus)**

RADIOTHERAPY

[Use of beta–applications in the treatment of inflammatory diseases of the palatine tonsils] Filatov VF, et al. **Vestn Otorinolaringol** (6):29–34, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Cytophotometry of the DNA in the tonsillar epithelial and lymphoid cells in the ultrasonic therapy of chronic tonsillitis patients] Andreichenko VI. **Zh Ushn Nos Gorl Bolezn** (5):50–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Past history of neck irradiation in thyroid neoplasms. Study of a series of 122 cases] Viladiu P, et al. **Rev Clin Esp** 140(2):129–32, 31 Jan 76 (Eng. Abstr.) **(Spa)**

SURGERY

[Indications for tonsillectomy in young children] Kruchinina IL, et al. **Pediatriia** (11):50–3, Nov 75 (Eng. Abstr.) **(Rus)**

[Tonsillectomy times in chronic tonsillitis complicated by a paratonsillar abscess] Babich VS. **Voen Med Zh** (9):52–3, Sep 75 **(Rus)**

[Indications for cryotonsillotomy] Dalniak LB, et al. **Zh Ushn Nos Gorl Bolezn** (2):93–5, Mar–Apr 75 **(Rus)**

[Tonsillectomy in patients with ischemic heart disease] Verkhogliadov VA, et al. **Zh Ushn Nos Gorl Bolezn** (4):52–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

THERAPY

[Ultrasonic therapy of chronic tonsillitis in children] Tarasov DI, et al. **Pediatriia** (4):56–8, Apr 75 **(Rus)**

[Cryotherapy of chronic tonsillitis in children] Fotin AV, et al. **Vestn Otorinolaringol** (1):66–70, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Pelophonotherapy in chronic tonsillitis] Paskar' NP. **Vestn Otorinolaringol** (3):86–90, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Use of ultrasonic therapy in chronic tonsillitis of children with chronic nonspecific lung diseases] Gromova VN, et al. **Zh Ushn Nos Gorl Bolezn** (4):90–2, Jul–Aug 75 **(Rus)**

[Histochemistry of the key oxidation–reduction enzymes of dehydrogenating action in the tonsils during ultrasonic therapy of chronic tonsillitis] Kalinovskaia LP. **Zh Ushn Nos Gorl Bolezn** (2):20–1, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[State of the neural apparatus of the palatine tonsils in patients with chronic tonsillitis after ultrasonic therapy] Pokotilenko AK, et al. **Zh Ushn Nos Gorl Bolezn** (2):14–20, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Use of a living culture of bacteriocinogenic strains of Streptococcus viridans (Streptobacterin) for the treatment of chronic tonsillitis] Vershigora AE, et al. **Zh Ushn Nos Gorl Bolezn** (2):32–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Use of ultrasound apparatus LOR–1A in the treatment of chronic tonsillitis and other otorhinolaryngologic diseases] Kolomijčenko AI. **Med Pregl** 29(1–2):77–9, 1976 **(Ser)**

VETERINARY

Tonsil abscesses of pigeons. Tudor DC, et al. **Poult Sci** 54(2):412–4, Mar 75

TOOTH

see related
DENTITION
MALOCCLUSION
MASTICATION
ODONTOGENESIS
PALEODONTOLOGY

Electronic tooth stimulator for pain research. Mumford JM, et al. **Biomed Eng** 11(1):22–3, Jan 76

Photosketching. A simple method to produce line drawings. Craig JF, et al. **Dent Radiogr Photogr** 49(1):18–20, 1976

Adhesive bonding of various materials to hard tooth tissues. IX. The concept of polyfunctional surface–active comonomers. Bowen RL. **J Biomed Mater Res** 9(5):501–10, Sep 75

Clearing of teeth for study and demonstration of pulp. Tagger M. **J Dent Educ** 40(3):172–4, Mar 76

Dental casts made with natural teeth. Cupero HM. **J Prosthet Dent** 35(6):680–1, Jun 76

Letter: Complete denture technique using natural anterior teeth. Goldfarb G. **J Prosthet Dent** 35(3):361, Mar 76

Letter: Painful teeth and dysglycemia. Ringsdorf WM Jr, et al. **JAMA** 231(1):23–4, 6 Jan 75

The differentiation of toothed marks: report of a case of special forensic interest. Goodbody RA, et al. **Med Sci Law** 16(1):44–8, Jan 76

A glimpse of the past: 1824: A Treatise of the Structure, Diseases and Management of the Human Teeth (Eleazer Gidney). **NY J Dent** 46(3):81–9, Mar 76

[Natural fluorescence of human teeth] Kosovel Z, et al. **Zahn Mund Kieferheilkd** 64(1):32–40, 1976 (Eng. Abstr.) **(Ger)**

[The tooth–periodontium system] Georgescu T, et al. **Rev Chir [Stomatol]** 22(1):1–7, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Contributions, to dentistry, of references to the significance of dentition and teeth in the works of K. Abraham, S. Ferenczi, S. Freud and M. Klein] Martos Molino M. **An Esp Odontoestomatol** 35(1):47–58, Jan–Feb 76 **(Spa)**

ANALYSIS

Lead in teeth during the perinatal period. Burkitt AJ, et al. **Postgrad Med J** 51(601):778–9, Nov 75

Ultraviolet absorption of tooth tissues of mature rat incisor. Katsura S. **Tokushima J Exp Med** 22:33–40, Sep 75

[Gabriele Falloppio: his school and the evolution of dentofacial morphology in the 16th century] Gysel C. **Orthod Fr** 44(1):313–42, 1973 (Eng. Abstr.) **(Fre)**

[Fluoride content of teeth following treatment with Zircate paste] Kirch W, et al. **Dtsch Zahnaerztl Z** 30(11):737–40, Nov 75 (Eng. Abstr.) **(Ger)**

[Biologically active N–G–methylated arginine in the amino acid composition of adult teeth] Georgina K, et al. **Fogorv Sz** 69(5):143–5, May 76 **(Hun)**

ANATOMY & HISTOLOGY

Analysis of tooth marks in a homicide case. Observations by means of visual description, stereo–photography, scanning electron microscopy and stereometric graphic plotting. Bang G. **Acta Odontol Scand** 34(1):1–11, 1976

Measurement of tooth movement. Isaacson RJ, et al. **Am J Orthod** 70(3):290–303, Sep 76

Remodeling of teeth by grinding. Zachrisson BU, et al. **Am J Orthod** 68(5):545–53, Nov 75

The anthropological value of minor variants of the dental crown. Berry AC. **Am J Phys Anthropol** 45(2):257–68, Sep 76

A comparative study of tooth and dental arch dimensions in Jewish children of different ethnic descent. I. Kurds and Yemenites. Koyoumdjisky–Kaye E, et al. **Am J Phys Anthropol** 44(3):437–43, May 76

The relationship of tooth size to body size in a population of rhesus monkeys (Macaca mulatta). Lauer C. **Am J Phys Anthropol** 43(3):333–9, Nov 75

Arch form, tooth size, and occlusomandibular kinesis in the Ceboidea. Zingeser MR. **Am J Phys Anthropol** 45(2):317–30, Sep 76

Dental and skeletal relationships to attritional occlusion. Fishman LS. **Angle Orthod** 46(1):51–63, Jan 76

Emotional stress during retention and its effect on tooth position. Fried KH. **Angle Orthod** 46(1):77–85, Jan 76

Posttreatment and postretention changes following orthodontic therapy. Gardner SD, et al. **Angle Orthod** 46(2):151–61, Apr 76

Selection of dentofacial measurements for an orthodontic treatment priority index. Kowalski CJ, et al. **Angle Orthod** 46(1):94–7, Jan 76

Comparative analysis of changes resulting from bite plate therapy and Begg treatment. Menezes DM, et al. **Angle Orthod** 45(4):259–66, Oct 75

Post–mortem pigmentation of teeth. Whitaker DK, et al. **Br Dent J** 140(3):100–2, 3 Feb 76

Relation between speech production and oro–facial structures in individuals with isolated clefts of the palate. Bishara SE, et al. **Cleft Palate J** 12:452–60, Oct 75

Tooth–filing in Bali. Bass AP 3d, et al. **J Am Dent Assoc** 91(5):969–70, Nov 75

Surveying. Hanson JG, et al. **J Am Dent Assoc** 91(4):826–8, Oct 75

Finite element analysis of dental structures--axisymmetric and plane stress idealizations. Selna LG, et al. **J Biomed Mater Res** 9(2):237–52, Mar 75

Tusks. Sperber GH. **J Can Dent Assoc** 42(5):257–62, 268, May 76

The position of the gingival margin as expressed by clinical crown height in children aged 6–16 years. Volchansky A, et al. **J Dent** 4(3):116–22, May 76

Constructing a natural tooth typodont. Warren AB. **J Dent Educ** 39(11):722–4, Nov 75

Interruption of the arterial inferior alveolar flow and its effects on mandibular collateral circulation and dental tissues. Castelli WA, et al. **J Dent Res** 54(4):708–15, Jul–Aug 75

Odontometric discriminant function analysis of american whites and blacks. Corruccini RS, et al. **J Dent Res** 55(4):713, Jul–Aug 76

Relationship between tooth size and body size in American Blacks. Henderson AM, et al. **J Dent Res** 55(1):94–6, Jan–Feb 76

Effects of occlusal forms on pressure and bending during mastication with complete dentures. Kelsey C, et al. **J Dent Res** 55(2):312, Mar–Apr 76

Variations in tooth dimension and geographic caries prevalence. Stern SP, et al. **J Dent Res** 54(4):910, Jul–Aug 75

The dento–gingival junction. An interpretation of the literature. Cate AR. **J Periodontol** 46(8):475–7, Aug 75

Japanese tooth positions and their relation to panoramic radiography. Manson–Hing LR, et al. **Oral Surg** 41(6):797–802, Jun 76

Dental anatomy and radiology and the maxillary sinus. Fireman SM, et al. **Otolaryngol Clin North Am** 9(1):83–91, Feb 76

Dental anatomy and occlusion. Wilson KS, et al. **Otolaryngol Clin North Am** 9(2):425–38, Jun 76

Mandibular anterior crowding in relation to tooth size and craniofacial morphology. Norderval K, et al. **Scand J Dent Res** 83(5):267–73, Sep 75

[The static position of the tongue, its importance in dentofacial orthopedics] Biourge A. **Acta Stomatol Belg** 72(4):729–46, 1975 **(Fre)**

[The contributions to orodental anatomo–physiology by the Duvernys] Gysel C. **Actual Odontostomatol (Paris)** (112):499–514, Dec 75 (Eng. Abstr.) **(Fre)**

[Morphogenesis and structure of teleost teeth (Salmo fario L.)] Bergot C. **J Biol Buccale** 3(4):301–24, Dec 75 **(Fre)**

[Qualitative study, on a typodont, of the secondary effects in distal movement] Almiros C. **Orthod Fr** 46:281–9, 1975 (Eng. Abstr.) **(Fre)**

[Changes in the face, jaw and tooth structures following treatment of scoliosis with a Milwaukee brace] Chadenat A. **Orthod Fr** 45(1):543–51, 1974 (Eng. Abstr.) **(Fre)**

[Dentomaxillofacial changes induced in children wearing the Milwaukee orthopedic device in vertebral scoliosis (old and new model)] Duclos P, et al. **Orthod Fr** 46:270–1, 1975 **(Fre)**

[Normal angle of the axes of the teeth in the sagital plane] Fraudet JR, et al. **Orthod Fr** 45(1):495–503, 1974 **(Fre)**

[Medieval skulls. Orthodontic and cephalometric study] Galabert J. **Orthod Fr** 46:308–14, 1975 **(Fre)**

[Dento–dental and dento–basal disharmonies] Lorette A. **Orthod Fr** 46:177–84, 1975 **(Fre)**

[Statistical study of the mesiodistal coronal diameter of the permanent teeth] Noble P. **Orthod Fr** 46:290–1, 1975 **(Fre)**

[Extra–oral forces (in the antero–posterior direction). Tridimensional study of the movement of the anchorage tooth] Sedennes V. **Orthod Fr** 45(2):250, 1974 **(Fre)**

[The decalcification of teeth for histological studies by means of ultrasonics] Menzel HJ. **Dtsch Zahnaerztl Z** 30(7):462–4, Jul 75 (Eng. Abstr.) **(Ger)**

[Morphology of the labial and buccal sides of the neck of the human crown] Hisamitsu H. **J Jpn Stomatol Soc** 42(3):330–1, Sep 75 **(Jpn)**

[Phenomenon of reduction at the species level and data on the systematics and diagnostics of jerboas (Dipodidae)] Geptner VG, et al. **Biol Nauki** (5):12–7, 1975 **(Rus)**

DRUG EFFECTS

Dental and periodontal effects of calcitonin in hamsters. El–Kafrawy AH, et al. **J Dent Res** 55(3):554, May–Jun 76

Tetracyclines and mineralized tissues: review and perspectives. Skinner HC, et al. **Yale J Biol Med** 48(5):377–97, Nov 75

[Biophsical study of dental tissues under the effect of a local

strontium application] Kun L.
Schweiz Monatsschr Zahnheilkd 86(7):661–76, Jul 76 **(Fre)**

[The condition of the oral cavity and teeth from chronic exposure to nitrogen oxides and nitric acid vapors] Churilov AE. **Stomatologiia (Mosk)** 55(1):93–5, Jan–Feb 76 **(Rus)**

EMBRYOLOGY

Dental and craniofacial development in the normal and growth-retarded human fetus. Luke DA. **Biol Neonate** 29(3–4):171–7, 1976

ENZYMOLOGY

Species differences in L-leucinaminopeptidase activity during tooth formation in the macaque monkey and rat. Hasselgren G, et al. **Arch Oral Biol** 21(1):17–9, 1976

A histochemical study of various dehydrogenases in human tooth ontogeny. Larmas L, et al. **Arch Oral Biol** 21(6):371–7, 1976

GROWTH & DEVELOPMENT

Fluoride and dental age. Grahnén H, et al.
Acta Odontol Scand 33(1):1–4, 1975

The visual and radiographic examination of mandibular cheek teeth and their relationship to age in a group of Aberdeen Angus x Friesian steers. Andrews AH. **Br Vet J** 132(1):9–17, Jan–Feb 76

Emergence of permanent teeth and onset of dental stages in the population of Iceland. Magnusson TE.
Community Dent Oral Epidemiol 4(1):30–7, Jan 76

Tooth replacement in the upper jaw of the rainbow trout (Salmo gairdneri). Berkovitz BK, et al. **J Exp Zool** 193(2):221–34, Aug 75

The relationship of maxillary cheek tooth development to age in young Friesian cattle. Andrews AH. **Res Vet Sci** 19(3):322–6, Nov 75

[Relationship between dental and bone maturation] Bleha P, et al. **Cesk Stomatol** 76(1):15–24, Jan 76 (Eng. Abstr.) **(Cze)**

[Histogenesis of the teeth of Caiman crocodiles] Yamashita Y. **J Jpn Stomatol Soc** 42(3):328, Sep 75 **(Jpn)**

[Consequences of teeth injuries in childhood] Nečeva Lj, et al. **God Zb Med Fak Skopje** 20:543–6, 1974 (Eng. Abstr.) **(Ser)**

INJURIES

Replantation of avulsed teeth. A review. Heithersay GS. **Aust Dent J** 20(2):63–72, Apr 75

Injuries to the mouth and teeth in an undergraduate population. Lees GH, et al. **Br Dent J** 140(3):107–8, 3 Feb 76

Oral lesions caused by habits. van Wyk CW. **Forensic Sci** 7(1):41–9, Jan–Feb 76

Common dental emergencies which may be encountered by the family physician. Ryan RN, et al. **J Fam Pract** 2(4):249–53, Aug 75

Traumatized permanent teeth in children aged 7–15 years. Stålhane I, et al. **Sven Tandlak Tidskr** 68(5):157–69, 1975

[Tooth injuries in connection with general anesthesia. A review over an 11 year period] Bonsing E.
Ugeskr Laeger 138(5):278–81, 26 Jan 76 (Eng. Abstr.) **(Dan)**

[Impaction of the tooth into the middle cranial fossa as a complication of facial injury] Kurek M, et al.
Czas Stomatol 28(8):840–5, Aug 75 (Eng. Abstr.) **(Pol)**

[Observation of permanent teeth adjacent to teeth damaged by trauma] Szpringer M. **Czas Stomatol** 28(11):1045–9, Nov 75 (Eng. Abstr.) **(Pol)**

[Tooth and alveolar process trauma in children] Kurek J, et al. **Pediatr Pol** 50(12):1469–73, Dec 75 (Eng. Abstr.) **(Pol)**

INNERVATION

The analgesia and innervation of mandibular teeth. Rood JP. **Br Dent J** 140(7):237–9, Apr 76

Coupling between nerves in teeth. Matthews B, et al.
Brain Res 98(2):354–8, 14 Nov 75

Delineation of somatic nerve endings in rat teeth by radioautography of axon-transported protein. Byers MR, et al. **J Dent Res** 55(3):419–25, May–Jun 76

Proceedings: Functional coupling between nerve terminals in teeth. Matthews B. **J Physiol (Lond)** 252(2):25P, Nov 75

[Autoradiographic demonstration of the innervation of the tooth and the periodontium] Weill R, et al.
C R Acad Sci [D] (Paris) 281(10):647–50, 8 Sep 75 (Eng. Abstr.) **(Fre)**

[Morphological substrate of antalgia and analgesia in the odontostomatological and facial area] Bossy J.
Minerva Med 67(29):1888–94, 9 Jun 76 (Eng. Abstr.) **(Fre)**

[Dental occlusion and sensory perception of the tooth] Kubota K. **J Jpn Stomatol Soc** 42(4):491, Dec 75 **(Jpn)**

METABOLISM

Enhanced fluoride uptake by teeth through use of iontophoretic techniques. Srinivasan S, et al.
Pharmacol Ther Dent :253–6, 1975

Autoradiography of 99Mo in developing rat teeth and bone. Bawden JW, et al. **Scand J Dent Res** 84(3):168–74, May 76

Studies on fluoride distribution in infants and small children. Hellström I. **Scand J Dent Res** 84(3):119–36, May 76

[Incorporation of fluoride into bones and incisors and incisor fluorosis after intermittent fasting or after administration of parathyroid extract] Ružička A, et al. **Cesk Stomatol** 76(2):118–21, Mar 76 (Eng. Abstr.) **(Cze)**

[Incisor fluorosis and fluoride incorporation into bones and incisors in mice after administration of various concentrations and doses of fluoride] Ružička JA, et al. **Cesk Stomatol** 75(5):328–32, Sep 75 (Eng. Abstr.) **(Cze)**

[Effect of age of experimental mice on the incorporation of fluoride into their bones and incisors and on the degree of incisor fluorosis] Ružička JA, et al. **Cesk Stomatol** 75(6):432–5, Dec 75 (Eng. Abstr.) **(Cze)**

[Binding of molybdenum to the protein matrix of the tooth] Bertrand G, et al.
Bull Group Eur Rech Sci Stomatol Odontol 18(1–2):7–14, Jan–Apr 75 **(Fre)**

[The incorporation of tetracyclines in calcified tissues] Piret N. **Rev Stomatol Chir Maxillofac** 77(2):362–3, Mar 76 **(Fre)**

[Lead and arsenic resorption in the hard tissues (crystallochemical studies)] Newesely H.
Dtsch Zahnaerztl Z 30(11):745–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Chemical and radioisotope studies of the metabolism in mineralized tissues following use of calcium-, phosphate-, and fluoride-containing toothpastes] Koljesnik VAG, et al. **Zahn Mund Kieferheilkd** 63(3):250–6, 1975 (Eng. Abstr.) **(Ger)**

[Trace elements in teeth] Hongslo JK.
Nor Tannlaegeforen Tid 85(8):310–3, Sep 75 **(Nor)**

[Protein content of human teeth] Ležovič j, et al.
Cesk Stomatol 75(6):436–9, Dec 75 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Human tooth-fissure contents and their progressive mineralization. Galil KA, et al. **Arch Oral Biol** 20(9):559–62, Sep 75

Effect of slivary agglutinins on bacterial colonization of tooth surfaces. Magnusson I, et al. **Caries Res** 10(2):113–22, 1976

Establishment and symbiosis of Actinomyces viscosus, Streptococcus sanguis and Streptococcus mutans in germ-free Osborne-Mendel rats. Mikx FH, et al.
Caries Res 10(2):123–32, 1976

Partial elimination of Streptococcus mutans from selected tooth surfaces after restoration of carious lesions and SnF2 prophylaxis. Keene HJ, et al. **J Am Dent Assoc** 93(2):328–33, Aug 76

Studies of the mechanism of sucrose-associated colonization of Streptococcus mutans on teeth of conventional rats. Van Houte J, et al. **J Dent Res** 55(2):216–22, Mar–Apr 76

Role of sucrose in colonization of Streptococcus mutans in conventional Sprague-Dawley rats. Van Houte J, et al. **J Dent Res** 55(2):202–15, Mar–Apr 76

Structure of the microbial flora associated with periodontal health and disease in man. A light and electron microscopic study. Listgarten MA. **J Periodontol** 47(1):1–18, Jan 76

[Dental bacteriologic samples:
--significance--technic--results] Cauro S.
Rev Odontostomatol (Paris) 4(2):117–21, Mar–Apr 75 **(Fre)**

PATHOLOGY

Facial and dental relationships of individuals with unoperated clefts of the lip and/or palate. Bishara SE, et al.
Cleft Palate J 13:238–52, Jul 76

Characteristics of permanent teeth in persons with trisomy G. Prahl-Andersen B, et al. **J Dent Res** 55(4):633–8, Jul–Aug 76

[Experimental hydrocephalus in rats. Study of the ontogenic factors of tooth germs by the vestibular method] Terk B, et al. **Orthod Fr** 45(1):373–83, 1974 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Conditioning-effect of vibratory stimulation on dimension discrimination of objects held between human tooth arches. Morimoto T, et al. **Arch Oral Biol** 21(3):219–20, 1976

The mobility of horizontally pinned teeth in monkeys and of endosseous blade implants. Picton DC, et al.
Br Dent J 139(12):469–71, 16 Dec 75

Interaction effects among cortical bone, cancellous bone, and periodontal membrane of natural teeth and implants. Wider GE, et al. **J Biomed Mater Res** 10(4):613–23, Jul 76

Utilization of elecrical conductivity as an alternative method of assessing marginal leakage of pit and fissure sealants. Martinez CR, et al. **J Oral Rehabil** 3(1):69–74, Jan 76

Tooth loading and cuspal guidance in canine and group-function occlusions. McAdam DB.
J Prosthet Dent 35(3):283–90, Mar 76

[Recent experimental data on the sensitivity of the masticatory apparatus] Aubert M, et al.
Actual Odontostomatol (Paris) (112):635–50, Dec 75 **(Fre)**

[Piezo-electric activity of dental tissues] Ogolink R, et al.
J Biol Buccale 4(2):117–22, Jun 76 (Eng. Abstr.) **(Fre)**

[Thermoffgraphy of teeth] Quenneville Y, et al.
J Biol Buccale 4(1):67–76, Mar 76 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Anticipation of dental anomalies induced by radiation therapy. Guggenheimer J, et al. **Radiology** 117(2):405–6, Nov 75

[Radiation changes of the hard dental tissues against the background of functional overloading] Nazarov GI, et al. **Stomatologiia (Mosk)** 55(1):5–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

A radiographic study of mineralization of permanent teeth in a group of children aged 3–7 years. Nielsen HG, et al. **Scand J Dent Res** 84(3):109–18, May 76

SURGERY

The use of epsilon-aminocaproic acid for the management of hemophilia in dental and oral surgery patients. Needleman HL, et al. **J Am Dent Assoc** 93(3):586–90, Sep 76

[Results of glossectomy in dentofacial orthopedics] Deplagne H. **Acta Stomatol Belg** 72(4):727–8, 1975 **(Fre)**

TRANSPLANTATION

Effect of diphosphonates on root resorption. Robinson PJ, et al. **J Dent Res** 55(1):166, Jan–Feb 76

A histological study of tooth allografts transplanted to untreated and immunologically prepared mice. Atkinson ME. **J Oral Pathol** 4(4):167–79, Oct–Nov 75

Transport and storage of human teeth in vitro for autotransplantation and replantation. Kristerson L, et al. **J Oral Surg** 34(1):13–8, Jan 76

The immunogenicity of tooth allografts in rats. Kardos TB, et al. **Transplantation** 20(5):381–4, Nov 75

[Dental grafting and its indications] Lechien P, et al.
Acta Stomatol Belg 71(4):401–18, 1974 **(Fre)**

[Results of personal experimentation of tooth transplantation] Lechien P, et al. **Rev Stomatol Chir Maxillofac** 77(2):465–6, Mar 76 **(Fre)**

[Indications for tooth transplantation] Lechien P, et al.
Rev Stomatol Chir Maxillofac 77(2):463–4, Mar 76 **(Fre)**

[Results obtained with transplantations of teeth from a tooth bank] Mathieu L, et al. **Rev Stomatol Chir Maxillofac** 77(2):456–9, Mar 76 **(Fre)**

[25 cases of dental homografts] Molhant G, et al.
Rev Stomatol Chir Maxillofac 76(1):1–12, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Homografts] Molhant G, et al.
Rev Stomatol Chir Maxillofac 77(2):453–5, Mar 76 **(Fre)**

[Tooth transplantation] Puig JR, et al.
Rev Stomatol Chir Maxillofac 77(3):557–61, Apr–May 76 (Eng. Abstr.) **(Fre)**

[History of tooth transplantation] Pape HD, et al.
Fortschr Kiefer Gesichtschir 20:121–5, 1976 **(Ger)**

[Histological study of host reactions to allograft of the tooth and the subcutaneous insertion of dental prosthetic materials] Yasumoto T. **Acta Med (Fukuoka)** 45(2):92–104, Apr 75 (Eng. Abstr.) **(Jpn)**

[Mixed teeth--a case report and an alternative treatment] Kvam E, et al. **Nor Tannlaegeforen Tid** 86(7):305–8, Jul 76 (Eng. Abstr.) **(Nor)**

[Metalized dental home- and auto-transplants] Semina C, et al. **Rev Chir [Stomatol]** 22(2):131–4, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Dental homotransplants] Spirescu I, et al.
Rev Chir [Stomatol] 21(4):351–8, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

Transmission electron microscopy of ion erosion thinned hard tissues. Boyde A, et al. **Calcif Tissue Res** 21 Suppl:117–23, Aug 76

[Ultrastructural odontological study of a case of Papillon-Lefèvre disease] Kerebel B, et al.
Ann Anat Pathol (Paris) 20(3):283–92, May–Jul 75 (Eng. Abstr.) **(Fre)**

TOOTH ABNORMALITIES

Editorial: Seriously handicapping orthodontic conditions. Salzmann JA. **Am J Orthod** 70(3):329–30, Sep 76

Oculodento-digital dysplasia: a rare syndrome. Haines JO, et al. **Br J Radiol** 48(575):932–6, Nov 75

Mandibular infection as a possible aetiological factor in taurodontism. Reichart P, et al. **J Dent** 3(5):198–202, Sep 75

[Hypoplasia of the teeth] Bina M. **Acta Med Iran** 17(3–4):127–30, Dec 74 **(Ger)**

COMPLICATIONS

Natal teeth and steatocystoma multiplex complicated by hidradenitis suppurativa. A new syndrome. McDonald RM, et al. **Arch Dermatol** 112(8):1132–4, Aug 76

Undiagnosed syndrome of psychomotor retardation, low birthweight dwarfism, skeletal, dental, dermal and genital anomalies. Elliott DE. **Birth Defects** 11(2):364–7, 1975

Monosuperocentroincisivodontic dwarfism. Rappaport EB, et al. **Birth Defects** 12(5):243–5, 1976

Dental anomalies in mental patients. Moraes N, et al.
Bull Pan Am Health Organ 9(4):325–8, 1975

The disto-palatal groove in maxillary incisors; a predisposing factor in periodontal disease. Walker RT.
J R Nav Med Serv 62(1):30–2, Spring 76

Dental anomalies in the Rothmund-Thomson syndrome. Report of a case. Bottomley WK, et al. **Oral Surg**

41(3):321–6, Mar 76
Globodontia in the otodental syndrome. Witkop CJ Jr, et al. **Oral Surg** 41(4):472–83, Apr 76
[Indications for speech therapy rehabilitation in the field of dentomaxillofacial abnormalities] Wellens W. **Acta Stomatol Belg** 72(4):597–603, 1975 **(Dut)**

DIAGNOSIS

Stigmata, dental defects and dermatoglyphics as aids in neurological diagnosis. Cohen HJ, et al. **Dev Med Child Neurol** 17(3):365–8, Jun 75 (14 ref.)

EMBRYOLOGY

The differentiating tooth and developmental pathology. Berry CL. **Proc R Soc Med** 68(6):341–2, Jun 75 (16 ref.)

ETIOLOGY

Dental dysplasia in incontinentia pigmenti achromians (Ito). An unusual form. Browne RM, et al. **Br Dent J** 140(6):211–4, 16 Mar 76
Tooth morphology in rubella syndrome children. Gullikson JS. **J Dent Child** 42(6):479–82, Nov–Dec 75
Frequency of dental trait anomalies in cleft, sibling, and noncleft groups. Schroeder DC, et al. **J Dent Res** 54(4):802–7, Jul–Aug 75
Anticipation of dental anomalies induced by radiation therapy. Guggenheimer J, et al. **Radiology** 117(2):405–6, Nov 75
[Mandibulofacial dysostosis] Haag R, et al. **Rev Odontostomatol (Paris)** 4(3):211–4, May–Jun 75 **(Fre)**
[Fibrous dysplasia and a cementofibroma in a child] Dambrain R, et al. **Rev Stomatol Chir Maxillofac** 76(2):109–15, Mar 75 **(Fre)**
[Ectodermal dysplasia in 2 generations of 1 family] Perzyna B, et al. **Rev Stomatol Chir Maxillofac** 77(2):373–6, Mar 76 **(Fre)**
[Traumatic injury of a permanent tooth by forceps delivery (presentation of a case)] Bier–Katz G. **Dtsch Zahnaerztl Z** 30(7):451–6, Jul 75 (Eng. Abstr.) **(Ger)**
[Study of the morbidity of dento–maxillary anomalies in the school population of the town of Sfintu–Gheorghe, correlated with pathology of growth of the body] Coveşan I, et al. **Rev Chir [Stomatol]** 22(2):139–46, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

FAMILIAL & GENETIC

The KBG syndrome–a syndrome of short stature, characteristic facies, mental retardation, macrodontia and skeletal anomalies. Herrmann J, et al. **Birth Defects** 11(5):7–18, 1975
Otodental dysplasia. Jorgenson RJ, et al. **Birth Defects** 11(5):115–9, 1975
Congenital X–linked cataract, dental anomalies and brachymetacarpalia. Nance WE, et al. **Birth Defects** 10(4):285–91, 1974
Proceedings: Craniocarpotarsal dysplasia with partial mandibular agenesis—an embryologic rarity or unusual gene expression? Sanger RG. **Birth Defects** 12(5):331–2, 1976
Arthrodentoosteodysplasia: a genetic 'acroosteolysis' syndrome. Zugibe FT, et al. **Birth Defects** 10(5):145–52, 1974
Severe hypodontia of the permanent dentition with bilateral dilated odontomes in the upper lateral incisor region. A case report. Palmer ME. **Br Dent J** 140(1):22–3, 6 Jan 76
Otodental dysplasia: a 'new' ectodermal dysplasia. Levin LS, et al. **Clin Genet** 8(2):136–44, Aug 75
Possible linkage between a gene causing reinclusion of molar I and blood group P. Bosker H, et al. **Cytogenet Cell Genet** 14(3–6):255–6, 1975
[Problems of human genetics in stomatology] pp. 197–205. Ehmer U. **In: Bach H, ed. Humangenetische Beratung genetisch belasteter Personen. Jena, Friedrich–Schiller–Univ, 1975. QZ 50 H918 1974.** **(Ger)**
[Reduction in shape and size of human premolars] Richter M, et al. **ZWR** 85(15):691–5, 10 Aug 76 **(Ger)**
[Genetic abnormalities of the shape of all teeth—a new syndrome? I] Schulze C. **ZWR** 85(2):80–4, 25 Jan 76 **(Ger)**
[Hereditary shape abnormalities of all teeth – a new syndrome? II] Schulze C. **ZWR** 85(4):178–82, 25 Feb 76 **(Ger)**
[Dysplastic changes in teeth caused by chromosome aberrations] Ayerdi Salazar F. **An Esp Odontoestomatol** 35(1):59–68, Jan–Feb 76 **(Spa)**

OCCURRENCE

Some observations on the dentition of an isolated group in northeast Poland. El–Nofely A. **Am J Phys Anthropol** 44(1):123–6, Jan 76
Variables and criteria in prevalence studies of dental anomalies of number, form and size. Brook AH. **Community Dent Oral Epidemiol** 3(6):288–93, Nov 75 (54 ref.)

PATHOLOGY

Structural changes in odontodysplasia. Lustmann J, et al. **Oral Surg** 41(2):193–202, Feb 76

RADIOGRAPHY

Microdont. Dombroff EJ. **Oral Surg** 40(5):701–2, Nov 75
Dens in dente in a mandibular canine. Goodman NJ, et al. **Oral Surg** 41(2):267, Feb 76
Dental anatomic anomalies. Rubin RL. **Oral Surg** 41(5):688–9, May 76
[Dens in dente] Stefanović M, et al. **God Zb Med Fak Skopje** 20:557–63, 1974 **(Ser)**

SURGERY

An orthodontic approach to surgical problems. Moss JP. **Am J Orthod** 68(4):363–90, Oct 75 (28 ref.)
[Block and segment osteotomies for dysgnathia and their results] Pfeifer G. **Acta Stomatol Belg** 72(4):671–3, 1975 **(Ger)**
[Use of dental prosthesis in the management of various anomalies in the development of jaw and teeth] Jokić B, et al. **Zb Vojnomed Akad** :95–8, 1974 **(Ser)**

THERAPY

The behavior modification of a dentally disabled child. Nussbaum B, et al. **J Dent Child** 43(4):255–61, Jul–Aug 76
[Fused teeth in the anterior part of the maxilla] Luczycka–Kmiecik E, et al. **Czas Stomatol** 28(11):1125–9, Nov 75 (Eng. Abstr.) **(Pol)**

TOOTH ABRASION

The effects of dentifrices on the appearance of the tooth surface observed with the scanning electron microscope. Saxton CA. **J Periodont Res** 11(2):74–85, Apr 76
Incisor size and diet in anthropoids with special reference to Cercopithecidae. Hylander WL. **Science** 189(4208):1095–8, 26 Sep 75
[Dental wear and occlusion in anthropology] Maytié A. **Actual Odontostomatol (Paris)** (113):147–165, Mar 76 (Eng. Abstr.) **(Fre)**
[The abrasion of composites] Roulet JF. **Schweiz Monatsschr Zahnheilkd** 86(4):413–26, Apr 76 **(Ger)**

COMPLICATIONS

[The excessive grinding surface as a pathogenetic cofactor in dentitions with periodontal disease] Schareyka–Fussan S, et al. **Dtsch Zahnaerztl Z** 31(5):414–7, May 76 **(Ger)**

ETIOLOGY

Dental and skeletal relationships to attritional occlusion. Fishman LS. **Angle Orthod** 46(1):51–63, Jan 76
Tooth attrition and the temporomandibular joint. Seward FS. **Angle Orthod** 46(2):162–70, Apr 76
The significance of tooth wear in Polynesians—a review. Taylor RM. **Ann Dent** 35(1):5–11, Spring 76 (13 ref.)
Laser diffusometer for estimation of smoothness of human dental enamel produced by dentifrice abrasives. Manly RS, et al. **Arch Oral Biol** 20(8):479–83, Aug 75
Prevalence of oral soft and hard tissue lesions related to mechanical toothcleansing procedures. Sangnes G, et al. **Community Dent Oral Epidemiol** 4(2):77–83, Mar 76
Traumatization of teeth and gingiva related to habitual tooth cleaning procedures. Sangnes G. **J Clin Periodontol** 3(2):94–103, May 76
Reduction in dentin wear resistance by irradiation and effects of storage in aqueous media. Davis WB. **J Dent Res** 54(5):1078–81, Sep–Oct 75
Effect of toothbrush variables on wear of dentin produced by four abrasives. Harte DB, et al. **J Dent Res** 54(5):993–8, Sep–Oct 75
Four variables affecting magnitude of dentrifice abrasiveness. Harte DB, et al. **J Dent Res** 55(3):322–7, May–Jun 76
A laboratory method for assessment of dentrifrice abrasivity. Hefferren JJ. **J Dent Res** 55(4):563–73, Jul–Aug 76
A survey of factors possibly associated with cervical abrasion of tooth surfaces. Radentz WH, et al. **J Periodontol** 47(3):148–54, Mar 76
[Tooth abrasion and breathing] Daiberl K. **ZWR** 85(10):472–4, 25 May 76 **(Ger)**

HISTORY

Measuring periodontal disease in ancient populations: root and wear indices in study of American Indian skulls. Goldberg HJ, et al. **J Periodontol** 47(6):348–51, Jun 76

PATHOLOGY

Wear striations on the incisors of ceropithecid monkeys as an index of diet and habitat preference. Walker PL. **Am J Phys Anthropol** 45(2):299–308, Sep 76

PHYSIOPATHOLOGY

Role of attrition and occlusal contact in the physiology of the rat incisor: IX. Impeded and unimpeded eruption in lathyritic rats. Michaeli Y, et al. **J Dent Res** 54(4):891–6, Jul–Aug 75

THERAPY

An adhesive technique as an adjunctive phase in the treatment of patients with decreased intermaxillary space and advanced attrition. Woolridge ED, et al. **NY State Dent J** 42(5):280–4, May 76

TOOTH APEX see **TOOTH ROOT**

TOOTH, ARTIFICIAL

see related
ACRYLIC RESINS
DENTAL PORCELAIN

Pontics in fixed prostheses—status report. Council on Dental Materials and Devices. **J Am Dent Assoc** 91(3):613–7, Sep 75
Comparison of posterior teeth. Fredrickson EJ. **J Am Dent Assoc** 92(3):561–4, Mar 76
Stress concentrations at the apex of pinned, implanted teeth. Gambrell SC Jr, et al. **J Dent Res** 55(1):59–65, Jan–Feb 76
Effects of occlusal forms on pressure and bending during mastication with complete dentures. Kelsey C, et al. **J Dent Res** 55(2):312, Mar–Apr 76
[Anatomo–physiologic study of artificial teeth in the complete denture] Aiche H, et al. **Actual Odontostomatol (Paris)** (112):515–35, Dec 75 (Eng. Abstr.) **(Fre)**
[Size and color vision] Sahel H. **Rev Odontostomatol (Paris)** 3(2):95–101, Mar–Apr 74 **(Fre)**
[Teeth and their color] Sahel H. **Rev Odontostomatol (Paris)** 3(2):91–2, Mar–Apr 74 **(Fre)**
[Advantage of porcelain teeth in removable prostheses] Naymov VI. **Stomatologiia (Mosk)** 54(5):103, Sep–Oct 75 **(Rus)**
[A method of preparation of sets of diciduous teeth made of plastic] Sukharev GT, et al. **Stomatologiia (Mosk)** 54(5):67–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

HISTORY

[Portraits and profiles. A short retrospective history of persons who took part in the development of artificial teeth] Tanzer G. **Zahnaerztl Mitt** 66(12):610–2, 16 Jun 76 **(Ger)**

STANDARDS

[Studies on porosities in ceramic teeth] Husemann JP. **ZWR** 85(1):8–15, 10 Jan 76 **(Ger)**
[Comparative study of the measurements of upper natural and artificial premolars as well as crowns prepared for premolars] Miklós K, et al. **Fogorv Sz** 69(4):102–4, Apr 76 **(Hun)**

TOOTH CALCIFICATION

Remineralization of dentin in vitro. Boyer DB, et al. **Calcif Tissue Res** 21(1):17–28, 3 Aug 76
The growth of calcium phosphates on natural enamel. Tomazic B, et al. **Calcif Tissue Res** 19(4):263–71, 31 Mar 76
Ultrastructural localisation of proteoglycans in the odontoblast–predentin region of rat incisor. Nygren H, et al. **Cell Tissue Res** 168(3):277–87, 13 May 76
Interrelationships of dental maturity, skeletal maturity, height and weight from age 4 to 14 years. Anderson DL, et al. **Growth** 39(4):453–62, Dec 75
Sexual dimorphism in dentition mineralization. Thompson GW, et al. **Growth** 39(2):289–301, Jun 75
Age of attainment of mineralization stages of the permanent dentition. Anderson DL, et al. **J Forensic Sci** 21(1):191–200, Jan 76
A radiographic study of mineralization of permanent teeth in a group of children aged 3–7 years. Nielsen HG, et al. **Scand J Dent Res** 84(3):109–18, May 76
[Characterization of non–collagen proteins from mineralizing dentin] Pieri J, et al. **C R Acad Sci [D] (Paris)** 281(23):1905–8, 15 Dec 75 (Eng. Abstr.) **(Fre)**
[Transfer of 45Ca during amelogenesis studied by autoradiography and electron microscopy] Nagai N, et al. **Calcif Tissue Res** 19(3):211–21, 22 Dec 75 (Eng. Abstr.) **(Fre)**
[Statistical study of the duration of mineralization of the crown of the upper wisdom tooth. Its incidence in germ enucleation] Coutand A, et al. **Rev Stomatol Chir Maxillofac** 77(2):433–7, Mar 76 **(Fre)**
[Characteristics of mineral metabolism in rats under the effect of thyrocalcitonin in experimental dietary caries] Golinskaia MS. **Patol Fiziol Eksp Ter** (5):71–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Effect of remineralizing agents on the change in permeability of hard dental tissues] Borovskii EV, et al. **Stomatologiia (Mosk)** 54(4):1–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Influence of fluoride and molybdenum on mineralization of teeth in tissue culture. Rahkamo A, et al. **Proc Finn Dent Soc** 71(3):71–8, Jun 75
Influence of magnesium on mineral deposition in developing teeth in tissue culture. Rahkamo A, et al. **Proc Finn Dent Soc** 71(3):79–83, Jun 75
Effect of local application of fluoride on initial demineralization of buccal surface of maxil. ry incisors. Clinical assessment from colour slides. Hollender L, et al. **Sven Tandlak Tidskr** 69(1):1–5, 1976 **(Eng, Swe)**
[The effect of tetracycline antibiotics on the calcium and magnesium content of rat incisors] Antalovská Z, et al. **Stomatol DDR** 25(11):729–34, Nov 75 (Eng. Abstr.) **(Ger)**

[Modified methods for detection of acid phosphatase in mineralized tissue of white rat teeth] Witek E, et al. **Czas Stomatol** 29(1):1-7, Jan 76 (Eng. Abstr.) **(Pol)**

TOOTH, DECIDUOUS

see related
DENTITION

Natal teeth and steatocystoma multiplex complicated by hidradenitis suppurativa. A new syndrome. McDonald RM, et al. **Arch Dermatol** 112(8):1132-4, Aug 76

Time of natural exfoliation of deciduous teeth. Barnard PD, et al. **Aust Dent J** 20(5):290-3, Oct 75

Natal teeth, patent ductus arteriosus and intestinal pseudo-obstruction: a lethal syndrome in the newborn. Harris DJ, et al. **Clin Genet** 9(5):479-82, May 76

A note on the variation in the timing of deciduous tooth eruption. Lavelle CL. **J Dent** 3(6):267-70, Nov 75

Simplified and rapid treatment of ankylosed primary molars with an amalgam and composite resin. Bonin M. **J Dent Child** 43(3):159-62, May-Jun 76

A comparison between stainless steel crowns and multisurface amalgams in primary molars. Braff MH. **J Dent Child** 42(6):474-8, Nov-Dec 75

Odontohypophosphatasia: report of two cases. Brittain JM, et al. **J Dent Child** 43(2):106-11, Mar-Apr 76

Apical fenestration. Kelly JR, et al. **J Dent Child** 43(2):96-8, Mar-Apr 76

Effect of premature loss of deciduous canines and molars on malocclusion of the permanent dentition. Miyamoto W, et al. **J Dent Res** 55(4):584-90, Jul-Aug 76

[Treatment of protruding mandibles in primary dentition by intermaxillary force on the double arch] Letourneur Y. **Orthod Fr** 45(2):230-2, 1974 **(Fre)**

[The premature loss of temporary teeth] Boniver A. **Rev Belge Med Dent** 30(3):243-52, 1975 **(Fre)**

[Therapy of dental pulp diseases in the deciduous teeth] Harndt R. **Dtsch Zahnaerztl Z** 31(6):505-9, Jun 76 **(Ger)**

[Dental pulp diagnosis in deciduous and changing dentition] Hoefig W. **Dtsch Zahnaerztl Z** 31(6):498-504, Jun 76 **(Ger)**

[Restoration of deciduous teeth] Jünke J. **Dtsch Zahnaerztl Z** 31(6):484-7, Jun 76 (Eng. Abstr.) **(Ger)**

[Anchoring of fillings by means of pin systems] Klimas J. **Dtsch Zahnaerztl Z** 31(6):482-3, Jun 76 **(Ger)**

[Conservative treatment of deciduous teeth--a review] Magnusson B. **Dtsch Zahnaerztl Z** 31(6):474-81, Jun 76 (Eng. Abstr.) **(Ger)**

[Caries therapy with plastic filling materials for deciduous teeth--a critical view] Mayer R. **Dtsch Zahnaerztl Z** 31(6):488-92, Jun 76 **(Ger)**

[Possibilities and limitations in the conservation of traumatized deciduous teeth] Veigel W, et al. **Dtsch Zahnaerztl Z** 31(3):271-3, Mar 76 (Eng. Abstr.) **(Ger)**

[Therapeutic problems in the infraposition of deciduous molars and molars] Ulrich K, et al. **Stomatol DDR** 26(7):484-9, Jul 76 (Eng. Abstr.) **(Ger)**

[The behavior of persisting deciduous molars] Hidasi G. **Zahn Mund Kieferheilkd** 64(1):28-31, 1976 (Eng. Abstr.) **(Ger)**

[The problem of providing the deciduous dentition with fixed dentures in case of collapse of the supporting structures] Zahn W. **ZWR** 84(6):248-53, 25 Mar 75 **(Ger)**

[Evaluation of treatment of pulpitis in decidous teeth formocresol and N2 paste] Badzian-Kobos K, et al. **Czas Stomatol** 29(1):15-18, Jan 76 (Eng. Abstr.) **(Pol)**

[Primary dystrophies of the temporary teeth] Câmpeanu M, et al. **Rev Chir [Stomatol]** 21(5):431-40, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

[A method of preparation of sets of diciduous teeth made of plastic] Sukharev GT, et al. **Stomatologiia (Mosk)** 54(5):67-8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Carabelli's trait on maxillary second deciduous molars and first permanent molars in Hindus. Joshi MR. **Arch Oral Biol** 20(10):699-700, Oct 75

Natal and neonatal teeth. A clinical and histological study. Berman DS, et al. **Br Dent J** 139(9):361-4, 4 Nov 75

Odontodysplasia. Pruhs RJ, et al. **J Am Dent Assoc** 91(5):1057-66, Nov 75

Deciduous teeth of grossly irregular form. A short case report. Bussell SN. **J R Nav Med Serv** 61(1):56-7, Spring 75

Cleidocranial dysostosis. A review and case report. Winkler S, et al. **NY State Dent J** 42(1):24-6, Jan 76

Bilateral bifurcation of the maxillary deciduous cuspids. Brown CK. **Oral Surg** 40(6):817, Dec 75

[Fibrous dysplasia and a cementofibroma in a child] Dambrain R, et al. **Rev Stomatol Chir Maxillofac** 76(2):109-15, Mar 75 **(Fre)**

ANALYSIS

Strontium-90 in deciduous teeth in Finland. A follow-up study. Kolehmainen L, et al. **Acta Odontol Scand** 33(2):107-10, 1975

Strontium content of deciduous teeth in northern and southern Finland. Rytömaa I, et al. **Acta Odontol Scand** 33(2):115-8, 1975

Lead content of deciduous teeth of children in different environments. Locheretz W. **Arch Environ Health** 30(12):583-7, Dec 75

Failure to demonstrate an association between enamel fluoride concentration and dental caries in the deciduous dentition. Englander HR, et al. **J Dent Res** 55(4):707, Jul-Aug 76

Effect of fluorine air pollution on fluoride content of deciduous tooth enamel. Pohto P, et al. **Proc Finn Dent Soc** 72(1):27-9, Feb 76

ANATOMY & HISTOLOGY

Anatomy of root canals. IV deciduous teeth. Barker BC, et al. **Aust Dent J** 20(2):101-6, Apr 75

Preparation of primary tooth enamel for acid conditioning. Conniff JN, et al. **J Dent Child** 43(3):177-9, May-Jun 76

An epidemiologic study of deciduous molar relations in preschool children. Infante PF. **J Dent Res** 54(4):723-7, Jul-Aug 75

Correlation between deciduous tooth size. Lavelle CL. **J Dent Res** 55(1):165, Jan-Feb 76

Deciduous premolars in Thryonomys. Woods CA. **J Mammal** 57(2):370-1, May 76

[Studies on the thickness of the hard tissue coating in the 1st upper deciduous molars with special reference to the shape of the crown] Sobkowiak EM, et al. **Zahn Mund Kieferheilkd** 64(3):230-5, 1976 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Vascular anatomy of human deciduous tooth germs] Varshavskii AI. **Stomatologiia (Mosk)** 54(4):12-5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Deciduous tooth chronology in the mandible of the domestic pig. Bivin WS, et al. **J Dent Res** 55(4):591-7, Jul-Aug 76

Prenatal rotational field involving deciduous lateral incisors. Burdi AR, et al. **J Dent Res** 55(2):309, Mar-Apr 76

GROWTH & DEVELOPMENT

Histological study on the postnatal development and sequence of eruption of the maxillary cheek-teeth of rabbits (Oryctolagus cuniculus). Navarro JA, et al. **Arch Histol Jpn** 38(1):17-30, Jun 75

Histological study on the postnatal development and sequence of eruption of the mandibular cheek-teeth of rabbits (Oryctolagus cuniculus). Navarro JA, et al. **Arch Histol Jpn** 39(1):23-32, Mar 76

Teething--are today's pediatricians using yesterday's notions? Honig PJ. **J Pediatr** 87(3):415-7, Sep 75

INJURIES

A survey of traumatized primary anterior teeth in Jerusalem preschool children. Zadik D. **Community Dent Oral Epidemiol** 4(4):149-51, Jul 76

Replacement of primary teeth with a partial denture: report of case. Ashton PW. **J Dent Child** 42(6):483-6, Nov-Dec 75

Traumatic posterior dental fractures: report of a case. Needleman HL, et al. **J Dent Child** 43(4):262-4, Jul-Aug 76

Developmental disturbances in permanent teeth after intrusion of their primary predecessors. Ravn JJ. **Scand J Dent Res** 84(3):137-41, May 76

[Injuries to the deciduous teeth and their significance for the permanent dentition] Watzek VG, et al. **Zahn Mund Kieferheilkd** 64(2):126-33, 1976 **(Ger)**

INNERVATION

[Light microscopic presentation of the morphological behavior of the nerves of deciduous teeth during tooth exfoliation deciduous and after loss of the dentition] Kreter F. **Dtsch Zahnaerztl Z** 31(6):521-4, Jun 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Atypical internal resorption in a newly erupted primary tooth. Fagg LR. **J Dent Child** 43(3):163-6, May-Jun 76

PHYSIOLOGY

In vitro studies of bone resorption by the root-resorbing tissue from the bovine deciduous tooth. Oguchi H. **Bull Tokyo Med Dent Univ** 22(2):175-83, Jun 75

PHYSIOPATHOLOGY

[A rare case of early eruption of milk teeth and permanent teeth] Leal JB. **Rev Stomatol Chir Maxillofac** 77(2):411-2, Mar 76 **(Fre)**

RADIOGRAPHY

Embedded primary maxillary second molar tooth. Seelinger JE. **Oral Surg** 40(6):818-9, Dec 75

SURGERY

Replantation of non-vital deciduous molars. Rönning O, et al. **Proc Finn Dent Soc** 72(2):48-52, 1976

ULTRASTRUCTURE

The structure of surface enamel with special reference to occlusal surfaces of primary and permanent teeth. Horsted M, et al. **Caries Res** 10(4):287-96, 1976

The structure of the enamel in primary teeth: practical applications in restorative techniques. Eidelman E. **J Dent Child** 43(3):172-6, May-Jun 76

[Microscopic spectrum analysis of the luminescence of dental hard tissues] Sinitsyn RG, et al. **Stomatologiia (Mosk)** 55(2):4-8, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

TOOTH DISCOLORATION

CHEMICALLY INDUCED

Plaque inhibition and staining by hibitane and vantocil. Plüss E. **Helv Odontol Acta** 19(2):61-4, Oct 75

Letter: Tetracyclines in children. Faoagali JL. **NZ Med J** 82(551):316, 12 Nov 75

[Adverse effect of tetracycline antibiotics on dental tissue and possibilities of its prevention (author's transl)] Antalovská Z. **Cas Lek Cesk** 115(13):400-3, 2 Apr 76 (Eng. Abstr.) **(Cze)**

[Possibility of tooth discoloration after doxycycline therapy in infants and small children from the view point of the residential pediatrist] Poloczek SV. **Z Allgemeinmed** 51(11):549-50, 20 Apr 75 **(Ger)**

ETIOLOGY

Reddening of the upper central incisors associated with periapical granuloma in lepromatous leprosy. Rendall JR, et al. **Br J Oral Surg** 13(3):271-7, Mar 76

Intrinsic and extrinsic discoloration of the dentition (a literature review). Vogel RI. **J Oral Med** 30(4):99-104, Oct-Dec 75 (65 ref.)

[Damage of the permanent teeth after icterus neonatorum gravis--a case history] Bier-Katz G. **Dtsch Zahnaerztl Z** 30(12):789-94, Dec 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Tetracycline-induced tooth changes. Part 5. Incidence in extracted first permanent molar teeth: a resurvey after four years. Baker KL. **Med J Aust** 2(8):301-4, 23 Aug 75

THERAPY

A new approach to treatment of tetracycline stained teeth: report of a case. Mouradian WF, et al. **J Dent Child** 43(2):103-5, Mar-Apr 76

TOOTH DISEASES

see related
MOUTH REHABILITATION

Letter: Drug treatments affecting the management of dental patients. **Br Dent J** 139(10):385, 18 Nov 75

The dental management of a patient with surdo-cardiac syndrome: report of a case. Harper RP, et al. **J Dent Child** 42(4):301-3, Jul-Aug 75

Solving patient admitting problems in dental school clinics. Colman HL, et al. **J Dent Educ** 40(9):613-6, Sep 76

Dental management of the patient with biliary atresia. Shapiro BM, et al. **Oral Surg** 40(6):742-7, Dec 75

[Papers on problems of stomatology published in Polish non-stomatological medical periodicals in 1974] Masztalerz A. **Czas Stomatol** 28(11):1131-4, Nov 75 **(Pol)**

[Primary dystrophies of the temporary teeth] Câmpeanu M, et al. **Rev Chir [Stomatol]** 21(5):431-40, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

The role of dietary carbohydrates in plaque formation and oral disease. Brown AT. **Nutr Rev** 33(12):353-61, Dec 75 (105 ref.)

[Adverse effects of psychopharmaceuticals of odontological clinical interest] Rydgren KO. **Sven Tandlak Tidskr** 69(3):85-92, 1976 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Letter: The dentist and prevention of infective endocarditis. Dunbar JM, et al. **Br Dent J** 139(4):125, 19 Aug 75

Dental anomalies in mental patients. Moraes N, et al. **Bull Pan Am Health Organ** 9(4):325-8, 1975

[Facial pain. Prospective investigation of the odontological conditions in 170 patients with facial pain followed-up during a 5 year period] Rasmussen P, et al. **Ugeskr Laeger** 137(46):2703-9, 10 Nov 75 (Eng. Abstr.) **(Dan)**

[Odontogenic headache] Roschier J. **Duodecim** 92(7):370-4, 1976 **(Fin)**

DIAGNOSIS

[Early examination of the teeth of young children - a comparative study of 1350 school-children (author's transl)] Kröger EK, et al. **Oeff Gesundheitswes** 38(1):46-50, Jan 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Cause and prevention of injuries to teeth and supporting structures during orthodontic treatment. Zachrisson BU. **Am J Orthod** 69(3):285-300, Mar 76

Oral lesions caused by habits. van Wyk CW. **Forensic Sci** 7(1):41-9, Jan-Feb 76

Histiocytosis X: report of case. Barton DH. **J Dent Child**

43(2):112–3, Mar–Apr 76
Odontohypophosphatasia: report of two cases. Brittain JM, et al. **J Dent Child** 43(2):106–11, Mar–Apr 76
Apical fenestration. Kelly JR, et al. **J Dent Child** 43(2):96–8, Mar–Apr 76
Osteogenesis imperfecta. Review of the medical and dental literature and report of a case. Brustein HC, et al. **Oral Surg** 42(1):42–52, Jul 76
[Study of the morbidity of dento–maxillary anomalies in the school population of the town of Sfintu–Gheorghe, correlated with pathology of growth of the body] Coveşan I, et al. **Rev Chir [Stomatol]** 22(2):139–46, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

HISTORY

Prehistoric and historical changes in nutritional diseases and associated conditions. Wells C. **Prog Food Nutr Sci** 1(11–12):729–79, 1975

IMMUNOLOGY

Synthesis and secretion of secretory immunoglobulins: with special reference to dental diseases. Brandtzaeg P. **J Dent Res** 55 Spec No:C102–14, Apr 76

MICROBIOLOGY

An assessment of antibiotics for the treatment of pyogenic dental infections. Woods R. **Aust Dent J** 20(1):10–3, Feb 75
Bacterial study of pyogenic infections of dental origin. Sabiston CB Jr, et al. **Oral Surg** 41(4):430–5, Apr 76

OCCURRENCE

[Epidemiological survey of various odonto– and parodontopathies among adolescents aged 16–20 years living in Geneva: first results] Berner L, et al. **Soz Praeventivmed** 20(6):295–300, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[Analysis of temporary work disability of parents in connection with stomatolocial diseases in children] Mel'nychenko EM, et al. **Stomatologiia (Mosk)** 54(5):86–8, Sep–Oct 75 **(Rus)**

PREVENTION & CONTROL

Prevention and control of dental disease in Jamaica. Henry JL. **J Natl Med Assoc** 67(4):294–7, Jul 75
[Editorial: Prevention of dental diseases] Marthaler TM. **Soz Praeventivmed** 20(6):251–4, Nov–Dec 75 **(Ger, Fre)**
[Evaluation of dental caries treatment of permanent incisors in children 10–12 years old] Badzian–Kobos K, et al. **Czas Stomatol** 29(2):103–8, Feb 76 (Eng. Abstr.) **(Pol)**

SURGERY

An orthodontic approach to surgical problems. Moss JP. **Am J Orthod** 68(4):363–90, Oct 75 (28 ref.)
Continued anticoagulation in oral surgery procedures. Roser SM, et al. **Oral Surg** 40(4):448–57, Oct 75 (43 ref.)
[Psychological aspects of dental procedures carried out under general anesthesia in disturbed or seriously handicapped children] Maitre A. **Ann Med Psychol (Paris)** 2(5):915–24, Dec 75 **(Fre)**

THERAPY

Orthodontics and dentistry for the hemophilic patient. Grossman RC. **Am J Orthod** 68(4):391–403, Oct 75 (27 ref.)
Attempted orthodontic movement in the presence of suspected ankylosis. Mitchell DL, et al. **Am J Orthod** 68(4):404–11, Oct 75
Drug treatments affecting the management of dental patients. Haskell R. **Br Dent J** 139(6):249–51, 16 Sep 75
Letter: Drug treatment affecting the management of dental patients. Shepherd RW. **Br Dent J** 140(2):39, 20 Jan 76
Dental consideration for the child with cleft palate. Crosthwaite GH. **J Am Dent Assoc** 91(5):1042–7, Nov 75
Dental care for patients with congenital haemorrhagic disorders. Duperon DF, et al. **J Can Dent Assoc** 42(5):269–73, May 76
Down's syndrome: aspects of dental care. Scully C. **J Dent** 4(4):167–74, Jul 76
The dental management of patients with medical problems. Cohen L. **NY State Dent J** 41(8):470–5, Oct 75
Patient fears: sources and sauces. Springob HK. **NY State Dent J** 41(9):546–53, Nov 75
[Letter: No treatment is also treatment] Fuldauer H. **J Can Dent Assoc** 41(10):534, Oct 75 **(Fre)**
[Dental infection seen from the angle of conservation of the tooth. Historical aspects. Introduction to the debate] Marmasse A. **Rev Odontostomatol (Paris)** 4(2):93–6, Mar–Apr 75 **(Fre)**
[Personal experiences in conservative treatment of tooth diseases in children in recumbent position] Jaworska D, et al. **Czas Stomatol** 28(11):1073–6, Nov 75 (Eng. Abstr.) **(Pol)**

VETERINARY

Removal of the parotid and mandibular salivary glands from a pony mare. Bracegirdle JR. **Vet Rec** 98(25):507, 19 Jun 76

TOOTH EROSION

DIAGNOSIS

[Atypical enamel erosions] Grątkowska H, et al. **Czas Stomatol** 28(9):873–8, Sep 75 (Eng. Abstr.) **(Pol)**

THERAPY

Histological studies of an adhesive paint–on restorative for cervical erosions. Lee HL, et al. **Aust Dent J** 20(5):304–8, Oct 75

TOOTH ERUPTION

III. dental development from birth to 16 years. Taranger J, et al. **Acta Paediatr Scand [Suppl]** (258):83–97, 1976
Dental development in cleft and noncleft subjects. Haring FN. **Angle Orthod** 46(1):47–50, Jan 76
Correlation between dental maturity, height development and sexual maturation in normal girls. Filipsson R, et al. **Ann Hum Biol** 3(3):205–10, May 76
Histological study on the postnatal development and sequence of eruption of the maxillary cheek–teeth of rabbits (Oryctolagus cuniculus). Navarro JA, et al. **Arch Histol Jpn** 38(1):17–30, Jun 75
Histological study on the postnatal development and sequence of eruption of the mandibular cheek–teeth of rabbits (Oryctolagus cuniculus). Navarro JA, et al. **Arch Histol Jpn** 39(1):23–32, Mar 76
Migration of fibroblasts in the periodontal ligament of the mouse incisor as revealed by autoradiography. Beertsen W. **Arch Oral Biol** 20(10):659–66, Oct 75
Emergence of permanent teeth in school–children in Chandigarh, India. Kaul S, et al. **Arch Oral Biol** 20(9):587–93, Sep 75
The early eruption of a superanumerry tooth (mesiodens). Williams DW. **Br Dent J** 140(6):209–10, 16 Mar 76
Editorial: Teething myths. **Br Med J** 4(5997):604, 13 Dec 75
Influence of water fluoridation on the eruption of permanent teeth. Künzel W. **Caries Res** 10(2):96–103, 1976
The rodent incisor tooth proliferon Zajicek G. **Cell Tissue Kinet** 9(3):207–14, May 76
Emergence of permanent teeth and onset of dental stages in the population of Iceland. Magnusson TE. **Community Dent Oral Epidemiol** 4(1):30–7, Jan 76
Correlation of eruption of the rat incisor to remodelling of the periodontium. Matěna V, et al. **Folia Morphol (Praha)** 23(3):215–20, 1975
Dental eruption patterns in Parapithecidae (Primates, Anthropoidea). Conroy GC, et al. **Folia Primatol (Basel)** 24(4):275–81, 1975
Nutritional correlates of child development in southern Tunisia. IV. The relation of deciduous dental eruption to somatic development. el Lozy M, et al. **Growth** 39(2):209–21, Jun 75
Estimation of 'age' from the emergence of permanent teeth. Kaul S. **Indian Pediatr** 13(3):233–5, Mar 76
A note on the variation in the timing of deciduous tooth eruption. Lavelle CL. **J Dent** 3(6):267–70, Nov 75
Eruption rates of human upper third molars. Berkovitz BK, et al. **J Dent Res** 55(3):460–4, May–Jun 76
Effect of prenatal, preeruptive, and posteruptive strontium administration on dental caries in hamster molars. Gedalia I, et al. **J Dent Res** 54(6):1240, Nov–Dec 75
Orthodontically induced eruption of the permanent canine combined with alveolar cleft osteoplasty: a new procedure illustrated by a case with stereophotogrammetric reconstructions. Dixon DA, et al. **J Maxillofac Surg** 4(1):61–5, Mar 76
An anatomical, histochemical, and autoradiographic study of the ever–growing molar dentition of Microtus with comments on the role of structure in growth and eruption. Oxberry BA. **J Morphol** 147(3):337–53, Nov 75
The development and replacement of teeth in viviparous caecilians. Wake MH. **J Morphol** 148(1):33–63, Jan 76
Tooth eruption and bone resorption: experimental investigation of the ia (osteopetrotic) rat as a model for studying their relationships. Marks SC Jr. **J Oral Pathol** 5(3):149–63, May 76
Teething—are today's pediatricians using yesterday's notions? Honig PJ. **J Pediatr** 87(3):415–7, Sep 75
Teething—are today's pediatricians using yesterday's notions? Honig PJ. **J Pediatr** 87(3):415–7, Sep 75
The role of alveolar bone in the noneruption of molar teeth in grey lethal mice. Schneider LC, et al. **J Periodontol** 47(2):91–4, Feb 76
Familial generalized delayed eruption of the dentition with short stature. Arvystas MG. **Oral Surg** 41(2):235–43, Feb 76
Idiopathic failure of eruption of permanent molar teeth. Kaban LB, et al. **Oral Surg** 42(2):155–63, Aug 76
[Editorial: Tooth eruption difficulties] Thamdrup E. **Ugeskr Laeger** 138(10):627–8, 1 Mar 76 **(Dan)**
[Eruption of permanent teeth in Canadian children of French origin. Part 2. Development from the piercing of the gingiva to the complete clinical crown] Perreault JG, et al. **J Can Dent Assoc** 41(10):572–7, Oct 75 **(Fre)**
[Control of malocclusion of mixed dentition by induction of the eruption sequence] Langlade M, et al. **Orthod Fr** 44(1):581–6, 1973 (Eng. Abstr.) **(Fre)**
[Guided tooth eruption by molding the proximal surfaces of temporary teeth] Micha–Closset M, et al. **Rev Belge Med Dent** 31(1):25–40, 1976 **(Fre)**
[A rare case of early eruption of milk teeth and permanent teeth] Leal JB. **Rev Stomatol Chir Maxillofac** 77(2):411–2, Mar 76 **(Fre)**
[Cross–sectional comparison of the median eruption time for permanent teeth in children from fluoride poor and optimally fluoridated areas] Künzel VW. **Stomatol DDR** 5:310–21, May 76 (Eng. Abstr.) **(Ger)**
[Eruption of permanent teeth in boys with severe mental retardation] Rosinski F. **Czas Stomatol** 29(2):136–9, Feb 76 (Eng. Abstr.) **(Pol)**
[Experimental study of the mechanism of tooth eruption] Grivu O, et al. **Rev Chir [Stomatol]** 22(1):65–70, Jan–Mar 75 (Eng. Abstr.) **(Rum)**
[Peculiarities of permanent tooth eruption in male and female children] Goncharova EI. **Stomatologiia (Mosk)** 55(1):69–72, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Errors in the diagnosis and treatment of difficult eruption of wisdom teeth] Ugulava SN. **Voen Med Zh** (6):73, Jun 75 **(Rus)**
[Relation between the time of eruption of the teeth and the physical development of children] Udovyts'ka OV, et al. **Pediatr Akush Ginekol** (5):8–9, 1975 **(Ukr)**

DRUG EFFECTS

Role of attrition and occlusal contact in the physiology of the rat incisor: IX. Impeded and unimpeded eruption in lathyritic rats. Michaeli Y, et al. **J Dent Res** 54(4):891–6, Jul–Aug 75
[Dynamics of tooth eruption under the influence of air polluted by industrial gases and dust containing fluorine compounds] Wodniecki J, et al. **Folia Med Cracov** 17(2):235–43, 1975 (Eng. Abstr.) **(Pol)**
[Influence of parathyroid hormone and heparin on tooth development in mice homozygous for the microphthalmia mutation] Osipov VV, et al. **Biull Eksp Biol Med** 79(4):110–2, Apr 75 (Eng. Abstr.) **(Rus)**

TOOTH ERUPTION, ECTOPIC

Intra–nasal tooth. Sood VP, et al. **Eye Ear Nose Throat Mon** 54(9):343–5, Sep 75
Ectopic nasal tooth. Hong CY. **Med J Malaysia** 30(3):239–40, Mar 76
Ectopic maxillary canine. Edwards JL, et al. **NZ Dent J** 72(327):33–4, Jan 76
[The transporsition of teeth] Dahl T. **Zahn Mund Kieferheilkd** 64(3):267–70, 1976 **(Ger)**

RADIOGRAPHY

[The use of roentgenstereophotogrammetry in dentistry for the localisation of ectopic teeth (author's transl)] Günther E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):151–3, Aug 75 **(Ger)**

SURGERY

Oral surgery in general dental practice. The removal of malpositioned premolars and canines. Summers L. **Aust Dent J** 20(3):135–40, Jun 75
The effect of sulfonamides on pain and swelling following removal of ectopic third molars. MacGregor AJ, et al. **Int J Oral Surg** 4(5):184–90, Oct 75
[Dislocatio dentis] Nečeva Lj. **God Zb Med Fak Skopje** 21:389–93, 1975 (Eng. Abstr.) **(Ser)**

VETERINARY

Use of an inclined plane for correction of ectopic mandibular canine tooth in a dog. Kind RE, et al. **Vet Med Small Anim Clin** 71(1):52–5, Jan 76

TOOTH EXFOLIATION

Time of natural exfoliation of deciduous teeth. Barnard PD, et al. **Aust Dent J** 20(5):290–3, Oct 75
[The premature loss of temporary teeth] Boniver A. **Rev Belge Med Dent** 30(3):243–52, 1975 **(Fre)**
[Tooth exfoliation in the supporting area, a critical phase in the development of the dentition] Miethke RR. **Dtsch Zahnaerztl Z** 31(6):469–73, Jun 76 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Effect of premature loss of deciduous canines and molars on malocclusion of the permanent dentition. Miyamoto W, et al. **J Dent Res** 55(4):584–90, Jul–Aug 76

ETIOLOGY

Dental complications of cytotoxic therapy in Hodgkin's disease—a case report. Vickery IM, et al. **Br J Oral Surg** 13(3):282–8, Mar 76
Iatrogenic exfoliation of teeth by the incorrect use of orthodontic elastic bands. Zilberman Y, et al. **J Am Dent Assoc** 93(1):89–93, Jul 76

PREVENTION & CONTROL

Letter: A plague of plaque. Gaskell P. **Br Dent J** 139(5):162, 2 Sep 75

TOOTH EXTRACTION

Hemorrhagic diathesis in a carrier of hemophilia B. Kitchens CS, et al. **Am J Med** 60(1):138–43, Jan 76

Letter to the editor: More on third molar enucleation. Chaconas SJ. **Am J Orthod** 69(6):692–3, Jun 76
Letter to the editor: Reservations on third molar enucleation. Handelman CS. **Am J Orthod** 69(1):100–1, Jan 76
The effect of different extraction sites upon incisor retraction. Williams R, et al. **Am J Orthod** 69(4):388–410, Apr 76
Morbidity following dental extraction. A comparative survey of local analgesia and general anaesthesia. Muir VM, et al. **Anaesthesia** 31(2):171–80, Mar 76
Multiple extraction patterns in severe discrepancy cases. Anderson BD. **Angle Orthod** 45(4):291–303, Oct 75
A radiographic study of roots in extraction sites. Hatasaka HH. **Angle Orthod** 46(1):64–8, Jan 76
An ultrastructural study of the relationship of oral bacteria to the epithelium of healing tooth extraction wounds. McMillan MD. **Arch Oral Biol** 20(12):815–22, Dec 75
Oral surgery in general dental practice. The removal of roots. Summers L. **Aust Dent J** 20(2):107–11, Apr 75
Oral surgery in general dental practice. The removal of malpositioned premolars and canines. Summers L. **Aust Dent J** 20(3):135–40, Jun 75
Pycnodysostosis—a rare disorder complicating extraction. Green AE, et al. **Br J Oral Surg** 13(3):254–63, Mar 76
The effect of indomethacin on tooth extraction wound healing in rats. Huusko PJ, et al. **Experientia** 31(9):1056–8, 15 SEP 75
Post–extraction hemostasis during coumarin anticoagulant therapy with a locally applied coagulation–active substance. Kovács B, et al. **Int J Oral Surg** 5(1):3–7, Feb 76
Tooth extraction in a patient with Glanzmann's thrombasthenia. Sugimura M, et al. **Int J Oral Surg** 4(3):130–5, Jul 75
Paracetamol/codeine in relieving pain following removal of impacted mandibular third molars. Sveen K, et al. **Int J Oral Surg** 4(6):258–66, Dec 75
Letter: Extraction and hostility. Attarian EJ. **J Am Dent Assoc** 91(4):736, Oct 75
A method for evaluation of periodontal problems on extracted teeth. Waerhaug J. **J Clin Periodontol** 2(3):160–8, Aug 75
Analysis of blood cortisol levels in oral surgery patients given various levels of intravenous medication. Bunch FL, et al. **J Dent Res** 54(5):965–7, Sep–Oct 75
Vascular changes in the monkey mandible and maxilla after multiple extraction of teeth: a radiographic study. Castelli WA, et al. **J Dent Res** 54(6):1237, Nov–Dec 75
Evaluation of a microcrystalline collagen preparation in extraction wounds. Hunt LM, et al. **J Oral Surg** 34(5):407–14, May 76
Sequelae of dental extraction during quinine–induced thrombocytopenia. Rennie T, et al. **J Oral Surg** 34(3):272–5, Mar 76
Letter: The x–ray request. Wallace JR. **J Oral Surg** 33(11):823–4, Nov 75
The effect of bicuspid extraction orthodontics on the periodontium. Findings in 100 consecutive cases. Prichard JF. **J Periodontol** 46(9):534–42, Sep 75
The bony residual ridge in man. Pietrokovski J. **J Prosthet Dent** 34(4):456–62, Oct 75
Letter: Prophylaxis of bacterial endocarditis. Fleming HA. **Lancet** 1(7960):644, 20 Mar 76
Letter: Elective dental extraction in leukemia. Chapman RM, et al. **N Engl J Med** 295(2):114, 8 Jul 76
Pancytopenia: a case for pretreatment hematologic investigation. Adamo A, et al. **NY State Dent J** 41(8):476–80, Oct 75
Disseminated intravascular coagulation and fibrinolysis as a cause of postextraction hemorrhage. Report of a case. Falace DA, et al. **Oral Surg** 41(6):718–25, Jun 76
Periodontal status of neighboring teeth after orthodontic closure of mandibular extraction sites. Wisth J. **Scand J Dent Res** 83(6):307–13, Nov 75
[Local hemostatic technics in the hemophiliac] Gaillard A. **Anesth Analg (Paris)** 32(4):579–83, Jul–Aug 75 **(Fre)**
[Letter: Arthritis of the knee healed after dental avulsion] Morer G. **Nouv Presse Med** 4(32):2338, 4 Oct 75 **(Fre)**
[Germ enucleation of the 2nd premolar. Longitudinal gnathometric study to determine indications] Dahan J. **Orthod Fr** 44(1):517–27, 1973 (Eng. Abstr.) **(Fre)**
[Indications for extractions in dentofacial orthopedics] Vaugeois M. **Orthod Fr** 45(2):251, 1974 **(Fre)**
[Tooth extraction in the hemophiliac using desiccated placenta] Carnero RC. **Rev Stomatol Chir Maxillofac** 77(2):304–6, Mar 76 **(Fre)**
[Hemostasis in tooth extraction with a resorcin–formol gel paste] Henry F. **Rev Stomatol Chir Maxillofac** 77(2):307–9, Mar 76 **(Fre)**
[Anticoagulant treatment and tooth extraction] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 77(2):310–2, Mar 76 **(Fre)**
[Experience in the surgical–stomatological treatment of patients taking anticoagulants] Wagner U. **Stomatol DDR** 26(4):252–5, Apr 76 (Eng. Abstr.) **(Ger)**
[The behavior of the lower front teeth after systematic extraction of the upper premolars] Sterzik G. **Zahn Mund Kieferheilkd** 63(5):448–59, 1975 (Eng. Abstr.) **(Ger)**
[Preliminary report on the treatment of extraction wounds with the intraoral dressing Carvadent] Schroll K, et al. **ZWR** 84(15):687–9, 10 Aug 75 **(Ger)**
[Hypnosis in dentistry] de Rysky S. **Minerva Med** 66(74):3902–6, 3 Nov 75 (Eng. Abstr.) **(Ita)**
[Considerations on local–regional anesthesia for ambulatory tooth extractions in patients with heart disease] Debernardi G, et al. **Minerva Stomatol** 24(2):61–74, Mar–Apr 75 (Eng. Abstr.) **(Ita)**
[Aspects of post–extraction bacteremia after use of local anesthesia with or without addition of adrenaline] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 69(3):447–50, Jul–Sep 75 (Eng. Abstr.) **(Rum)**
[Phenomenon of hypertrophy of the testes after amputation of the lower incisors in rats] Babaeva AG, et al. **Biull Eksp Biol Med** 79(4):98–100, Apr 75 (Eng. Abstr.) **(Rus)**
[The effect of partial tooth loss on protein metabolism in the bone tissue of the jaws (experimental study)] Derevianchenko NI. **Stomatologiia (Mosk)** 54(6):37–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Morphological changes in the pancreas in rats after dental extraction] Panchokha VP, et al. **Stomatologiia (Mosk)** 54(3):79–82, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Local reaction to sombrevin] Shuvalov IuA. **Vestn Khir** 114(4):120, Apr 75 **(Rus)**
[Use of dicynon as a hemostatic agent in tooth extraction] Mitić L, et al. **Vojnosanit Pregl** 32(4):392–3, Jul–Aug 75 (Eng. Abstr.) **(Ser)**
[Frequency and efficiency of orthodontic extractions] Andrik P, et al. **Cesk Stomatol** 75(4):277–84, Jul 75 (Eng. Abstr.) **(Slo)**
[Absence of bacteremia after dental extractions] Navarrete F, et al. **Bol Med Hosp Infant Mex** 33(1):227–31, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Transient bacteremia in pediatric patients after dental extraction. Speck WT, et al. **Am J Dis Child** 130(4):406–7, Apr 76
Letter: Antibiotic cover for dental extractions. **Br Med J** 3(5982):540–1, 30 Aug 75
The incidence of bacteremia in pediatric patients following tooth extraction. Peterson LJ, et al. **Circulation** 53(4):676–9, Apr 76
A photographic method of assessing swelling following third molar removal. Van Gool AV, et al. **Int J Oral Surg** 4(3):121–9, Jul 75
99MTc–diphosphonate bone imaging and uptake in healing rat extraction sockets. Lurie AG, et al. **J Nucl Med** 17(8):688–92, Aug 76
Oral surgical complications with Von Willebrand's Disease, a case report. Cohen MP. **J Oral Med** 30(4):115–7, Oct–Dec 75
Displaced tooth in the piriform sinus. Schell J, et al. **J Oral Surg** 34(6):553–4, Jun 76
The use of intraoral dexamethasone after extraction of mandibular third molars. Messer EJ, et al. **Oral Surg** 40(5):594–8, Nov 75
[Letter: The influence of the loss of deciduous maxillary molars and approximal caries on the length of the dental arch] Järvinen S. **Proc Finn Dent Soc** 71(5):196–9, Oct 75 (Eng. Abstr.) **(Fin)**
[Hemorrhage in stomatology] Molhant G. **Sem Hop Ther** 51(10):573–6, Dec 75 **(Fre)**
[The narrowing of the support area by premature tooth loss and caries in various abnormal alignments] Möller B, et al. **Stomatol DDR** 25(9):620–9, Sep 75 (Eng. Abstr.) **(Ger)**
[The use of the gelatain–resocin–formaldehyde tissue adhesive (Kelemen's method) in oral surgery (preliminary report)] Borbély L, et al. **Fogorv Sz** 69(7):197–9, Jul 76 **(Hun)**
[Radiation injuries of the jaw bone (so–called radiation bone necrosis) – from the standpoint of clinical oral surgery] Mizuno A. **J Jpn Stomatol Soc** 42(2):223, Jun 75 **(Jpn)**
[Communication between oral cavity and maxillary sinus as a complication of tooth extraction] Saldziun D. **Czas Stomatol** 29(6):523–6, Jun 76 (Eng. Abstr.) **(Pol)**
[Incidence and nature of postextraction bacteremia] Timoşca S, et al. **Rev Chir [Stomatol]** 22(3):231–6, Jul–Sep 75 **(Rum)**
[Nutritive–deficient streptococci isolated from septicemia following tooth extraction] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):549–54, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

HISTORY

[History of tooth extraction from antiquity to modern times] de Paiva–Boléo J. **Actual Odontostomatol (Paris)** (108):575–95, Dec 74 **(Fre)**
[History of tooth extractions: data concerning the prehistoric period] Verger–Pratoucy JC. **Actual Odontostomatol (Paris)** (111):421–8, Sep 75 **(Fre)**

METHODS

The influence of third molar germectomy—a comparative long–term study. pp. 551–62. Schwarze CW. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London,, Staples, 1975. W3 IN805 1975t.**
Extraction of teeth with root preservation. von Wowern N, et al. **Int J Oral Surg** 5(4):192–6, Aug 76
Outpatient treatment of hemophiliacs for dental extractions. Mulkey TF. **J Oral Surg** 34(5):428–34, May 76
[Hypnotic analgesia] Chertok L, et al. **Nouv Presse Med** 5(10):637–8, 6 Mar 76 **(Fre)**
[Germ enucleation of the 1st premolar. When? How?] Merle–Beral J, et al. **Orthod Fr** 45(2):203–11, 1974 (Eng. Abstr.) **(Fre)**
[Study of an anatomical approach to the lower wisdom teeth and their roots: the lingual route] Recoing J, et al. **Rev Stomatol Chir Maxillofac** 76(7):549–58, Nov 75 (Eng. Abstr.) **(Fre)**
[The stomatological care of hemophiliacs] Tóth A. **Stomatol DDR** 26(3):180–3, Mar 76 (Eng. Abstr.) **(Ger)**
[Tooth extraction in hemophiliacs (substitution therapy and plastic plate dressing)] Schargus G, et al. **ZWR** 84(19):873–6, 10 Oct 75 **(Ger)**

VETERINARY

Extraction of impacted teeth in baboons. Boever WJ. **Mod Vet Pract** 57(2):112–3, Feb 76

TOOTH FRACTURES

The cracked–tooth syndrome and fractured posterior cusp. Snyder DE. **Oral Surg** 41(6):698–704, Jun 76
Traumatized permanent teeth in children aged 7–15 years. Stålhane I, et al. **Sven Tandlak Tidskr** 68(5):157–69, 1975
[Maturation of residual tissue, left in the jaw after injury] Wetzel WE. **Dtsch Zahnaerztl Z** 31(7):594–5, Jul 76 **(Ger)**

COMPLICATIONS

Tooth fragments lodged in unexpected areas. Snawder KD, et al. **JAMA** 236(12):1378–9, 20 Sep 76
[Respiratory obstruction caused by broken tooth aspirated in the trachea during anesthesia] Saito T, et al. **Jpn J Anesthesiol** 24(13):1363–6, 10 Dec 75 (Eng. Abstr.) **(Jpn)**
[Consequences of teeth injuries in childhood] Nečeva Lj, et al. **God Zb Med Fak Skopje** 20:543–6, 1974 (Eng. Abstr.) **(Ser)**

DIAGNOSIS

The undiagnosed split–root syndrome. Silvestri AR. **J Am Dent Assoc** 92(5):930–5, May 76
Traumatic posterior dental fractures: report of a case. Needleman HL, et al. **J Dent Child** 43(4):262–4, Jul–Aug 76
[Catamnestic studies on the prognosis of anterior teeth injuries] Wörle M. **Dtsch Zahnaerztl Z** 31(8):635–7, Aug 76 **(Ger)**

ETIOLOGY

Lead insult to the dentition in the leopard. Rappaport SC, et al. **Pharmacol Ther Dent** :201–7, 1975
[Injuries of the teeth during accidents] Fischer H. **Hippokrates** 46(2):283–5, Jun 75 **(Ger)**

OCCURRENCE

A survey of traumatized primary anterior teeth in Jerusalem preschool children. Zadik D. **Community Dent Oral Epidemiol** 4(4):149–51, Jul 76

PREVENTION & CONTROL

Protecting the upper teeth during microlaryngoscopy. A new method. Podoshin L, et al. **Arch Otolaryngol** 102(7):439, Jul 76
[The fracture susceptibility of upper premolars and therapeutic consequences] Laetzsch E, et al. **Stomatol DDR** 25(6):400–3, Jun 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Traumatic injuries to the teeth of children] Roland NM, et al. **Ann Radiol (Paris)** 18(4):407–12, May–Jun 75 **(Eng, Fre)**
Fractured tooth—a case report. Antonoff SJ. **NY State Dent J** 41(9):544–5, Nov 75
Root fractures in permanent anterior teeth with incomplete root formation. Jacobsen I. **Scand J Dent Res** 84(4):210–7, Jul 76
Long–term prognosis of 66 permanent anterior teeth with root fracture. Zachrisson BU, et al. **Scand J Dent Res** 83(6):345–54, Nov 75

THERAPY

Semi–permanent restoration of fractured incisors in young patients. A clinical evaluation of one 'acid–etch' technique. Rule DC, et al. **Br Dent J** 139(7):272–5, 7 Oct 75
The restoration of injured anterior teeth in children by etch–retained resin. A longitudinal study. Scheer B. **Br Dent J** 139(12):465–8, 16 Dec 75
Split–root syndrome (letter). Green SN. **J Am Dent Assoc** 93(3):515, Sep 76
Combined endodontic–orthodontic treatment of subgingivally fractured teeth. Wolfson EM, et al. **J Can Dent Assoc** 41(11):621–4, Nov 75
Restoration of teeth with subgingival and subosseous fractures. Goerig AC. **J Prosthet Dent** 34(6):634–9, Dec 75
Repair of fractured incisal edges with UV–light polymerized and self–polymerizing fissure sealants and composite resins. Two year report of 93 cases. Helle A, et al. **Proc Finn Dent Soc** 71(3):87–90, Jun 75
Repair characteristics of root fractures in permanent anterior teeth. Jacobsen I, et al. **Scand J Dent Res** 83(6):355–64,

Nov 75
[Significance of early treatment of fractures and luxation of permanent incisors in children] Ganigal A, et al. **Rev Stomatol Chir Maxillofac** 77(2):384–5, Mar 76 **(Fre)**
[Experimental horizontal fractures of front tooth roots and their endodontic endosseous pin fixation in monkeys] Dietz G. **Dtsch Zahnaerztl Z** 31(2):89–91, Feb 76 (Eng. Abstr.) **(Ger)**
[Possibilities and limitations in the conservation of traumatized deciduous teeth] Veigel W, et al. **Dtsch Zahnaerztl Z** 31(3):271–3, Mar 76 (Eng. Abstr.) **(Ger)**
[Symptomatology and treatment of recent injuries of teeth and the alveolar process (author's transl)] Schegg HK. **Ther Umsch** 32(10):658–64, Oct 75 (Eng. Abstr.) **(Ger)**
[Problems of tooth preservation after injuries in the mixed dentition. II.] Nolden R. **ZWR** 84(23–24):1073–78, 15 Dec 75 **(Ger)**
[Restoration methods of broken dental crowns with rapidly polymerizing materials] Szymańska-Jachimczak EI, et al. **Czas Stomatol** 29(2):97–102, Feb 76 (Eng. Abstr.) **(Pol)**
[Clinical observations of Palavit 55 and Dutacrylate used in the restoration of broken tooth crowns] Szymańska-Jachimczak EI, et al. **Czas Stomatol** 29(5):377–81, 1976 (Eng. Abstr.) **(Pol)**

VETERINARY

Surgical repair of tusk injury (pulpectomy) in an adult, male forest elephant (Loxodonta cyclotis). Bush M, et al. **J Am Dent Assoc** 93(2):372–5, Aug 76
Tooth trauma and feeding behavior in prehistoric Aleutian sea otters. Bjotvedt G, et al. **Vet Med Small Anim Clin** 71(6):831–3, Jun 76

TOOTH GERM

see related
ODONTOGENESIS

ANATOMY & HISTOLOGY

Dental organ formation: a chronologic and topographic sequence. Nery EB, et al. **J Dent Child** 42(6):467–73, Nov–Dec 75

BLOOD SUPPLY

[Vascular anatomy of human deciduous tooth germs] Varshavskii AI. **Stomatologiia (Mosk)** 54(4):12–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Movement of entire cell populations during renewal of the rat incisor as shown by radioautography after labeling with 3H-thymidine. The concept of a continuously differentiating cross-sectional segment. (With an appendix on the development of the periodontal ligament). Smith CE, et al. **Am J Anat** 145(2):225–59, Feb 76
Cellular renewal in the enamel organ and the odontoblast layer of the rat incisor as followed by radioautography using 3H-thymidine. Smith CE, et al. **Anat Rec** 183(4):523–61, Dec 75
The enigma of vestigial tissues. Cohen B. **Ann R Coll Surg Engl** 58(2):104–14, Mar 76

DRUG EFFECTS

Effect of alpha, alpha'-dipyridyl on the basement membrane of tooth germs in vitro. Hetem S, et al. **J Dent Res** 54(4):783–7, Jul–Aug 75
Dose-dependent ultrastructural changes induced by tetracycline in developing dental tissues of the rat. Kruger BJ. **J Dent Res** 54(4):822–8, Jul–Aug 75

EMBRYOLOGY

Studies on the dental lamina as related to its role in the etiology of cysts and tumors. Stoelinga PJ. **J Oral Pathol** 5(2):65–73, Mar 76
[Vascularization and connective tissue penetration, factors in the involution of the enamel organ in the rat] Bonnaud A, et al. **J Biol Buccale** 3(3):187–98, Sep 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Demonstration of adenosine triphosphate hydrolysis in the enamel organ of the mouse incisor. Severson AR. **Acta Histochem (Jena)** 54(1):141–52, 1975
Alkaline phosphatase activity in the enamel organs of normal and rachitogenic rats. Moe D, et al. **Arch Oral Biol** 21(1):13–6, 1976
Separation of two PZ-peptidases from bovine dental follicle. Hino M, et al. **Biochim Biophys Acta** 429(2):555–63, 8 Apr 76
Calcium-stimulated adenosine triphosphatase in the microsomal fraction of tooth germ from porcine fetus. Yoshimura F, et al. **Biochim Biophys Acta** 410(1):167–77, 20 Nov 75
Ca 2+-ATPase in hard tissue forming cells. Linde A, et al. **Calcif Tissue Res** 21 Suppl:108–12, Aug 76
Histochemical studies of some dehydrogenases in dental tooth germ in vivo and in culture. Cabrera M, et al. **Folia Med (Plovdiv)** 16(5–6):257–61, 1974
Histochemical localization of alkaline pyrophosphate-phosphohydrolase in tooth-forming cells of rat. Larsson A. **Scand J Dent Res** 84(2):63–75, Mar 76

GROWTH & DEVELOPMENT

[Maturation of residual tissue, left in the jaw after injury] Wetzel WE. **Dtsch Zahnaerztl Z** 31(7):594–5, Jul 76 **(Ger)**

INJURIES

Gingival and dental complications of orotracheal intubation. Boice JB, et al. **JAMA** 236(8):957–8, 23 Aug 76

METABOLISM

In vitro utilization of exogenous procollagen by embryonic tooth germs. Galbraith DB, et al. **J Exp Zool** 197(1):135–40, Jul 76

PATHOLOGY

The disturbances in odontogenesis in epidermolysis bullosa hereditaria letalis. Gardner DG, et al. **Oral Surg** 40(4):483–93, Oct 75
[Clinical study of hypertrophic interdental papilla] Tavčiovski T, et al. **God Zb Med Fak Skopje** 20:435–41, 1974 **(Ser)**

SURGERY

Letter to the editor: Reservations on third molar enucleation. Handelman CS. **Am J Orthod** 69(1):100–1, Jan 76
[Germ enucleation of the 2nd premolar. Longitudinal gnathometric study to determine indications] Dahan J. **Orthod Fr** 44(1):517–27, 1973 (Eng. Abstr.) **(Fre)**
[Germ enucleation of the 1st premolar. When? How?] Merle-Beral J, et al. **Orthod Fr** 45(2):203–11, 1974 (Eng. Abstr.) **(Fre)**
[Germ enucleation of the wisdom teeth. Anesthesia] Parant M. **Orthod Fr** 45(1):625–7, 1974 **(Fre)**
[Early germ enucleation in dentomaxillary disharmonies (D.M.D.)] Landais H. **Rev Stomatol Chir Maxillofac** 77(2):431–2, Mar 76 **(Fre)**
[Indications for germ enucleation of premolars] Lerondeau JC, et al. **Rev Stomatol Chir Maxillofac** 77(2):441–3, Mar 76 **(Fre)**
[Contraindications in germ enucleation] Reychler A. **Rev Stomatol Chir Maxillofac** 77(2):444–6, Mar 76 **(Fre)**

TRANSPLANTATION

Additive effect of H-2D and H-2K differences on tooth germ grafts. Iványi D, et al. **Folia Biol (Praha)** 21(6):439–41, 1975
[Studies of the development of the molar root experimentally grafted under the kidney capsule of the rat] Bérard R. **Actual Odontostomatol (Paris)** (110):285–96, Jun 75 (Eng. Abstr.) **(Fre)**
[Transplantation of tooth germs in albino rats. Normalized surgical technics] Sauteyron M, et al. **Actual Odontostomatol (Paris)** (112):617–34, Dec 75 (Eng. Abstr.) **(Fre)**
[Study of the morphological and histological changes in a transplanted tooth germ in the albino rat] Sauteyron M, et al. **Rev Odontostomatol (Paris)** 4(5):435–49, Sep–Oct 75 **(Fre)**
[Transplant of the germ of the lower 3rd molar to the site of the 1st molar] Carnero RA. **Rev Stomatol Chir Maxillofac** 77(2):467–8, Mar 76 **(Fre)**
[Transplantation of tooth germs] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 77(2):469–71, Mar 76 **(Fre)**
[Preservation of living organs in vitro] Holland RI. **Nor Tannlaegeforen Tid** 85(9):357–61, Oct 75 **(Nor)**
[Experience in allotransplantation of tooth germs] Maksudov MM, et al. **Stomatologiia (Mosk)** 54(3):62–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Achondrogenesis type I in three sibling fetuses. Scanning and transmission electron microscopic studies. Ornoy A, et al. **Am J Pathol** 82(01):71–84, Jan 76
[Transfer of 45Ca during amelogenesis studied by autoradiography and electron microscopy] Nagai N, et al. **Calcif Tissue Res** 19(3):211–21, 22 Dec 75 (Eng. Abstr.) **(Fre)**
[Ultrastructural changes in cells of the inner enamel epithelium, stratum intermedium and reticulum stellatum in the enamel organ of the upper incisor of the Wistar rat at different phases of amelogenesis] Costacurta L, et al. **Anat Anz** 139(1-2®760603-760610-2):165–79, 1976 (Eng. Abstr.) **(Ger)**

TOOTH, IMPACTED

see related
TOOTH EXTRACTION
Letter: Fluoridation. **Br Dent J** 139(10):386, 18 Nov 75
[Primary dystrophies of the temporary teeth] Câmpeanu M, et al. **Rev Chir [Stomatol]** 21(5):431–40, Oct–Dec 74 (Eng. Abstr.) **(Rum)**
[Case of an impacted tooth into the parapharyngeal space] Andreevski A. **God Zb Med Fak Skopje** 17:699–701, 1971 **(Ser)**

COMPLICATIONS

Impacted third molar embedded in dentigerous cyst. Kirstein W. **Dent Radiogr Photogr** 48(2):39–41, 1975
Subcondylar impaction of a third molar with a dentigerous cyst resulting in a chronic cutaneous sinus: report of case. Javid B. **J Am Dent Assoc** 92(1):130–2, Jan 76
[A case of comples odontoma with displacement of an impacted molar into the maxillary sinus] Hagen B, et al. **Dtsch Zahnaerztl Z** 30(12):806–10, Dec 75 **(Ger)**
[Neuralgia caused by unerupted teeth] Seidner S. **ZWR** 84(21):981–2, 10 Nov 75 **(Ger)**
[Abnormal eruption of the front teeth causing open bite; surgical and orthodontic correction] Imre B. **Fogorv Sz** 69(4):121–3, Apr 76 **(Hun)**
[Transplantation of impacted teeth associated with composite odontoma--report of 2 cases] **J Jpn Stomatol Soc** 24(4):368–74, 1975 **(Jpn)**
[A case of resorption of permanent teeth] Luczycka-Kmiecik E. **Czas Stomatol** 29(6):535–9, Jun 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Delayed tooth eruption versus impaction. Kracke RR. **J Dent Child** 42(5):371–4, Sep–Oct 75

ETIOLOGY

Ectopic movement of an unerupted mandibular canine. Greenberg SN, et al. **J Am Dent Assoc** 93(1):125–8, Jul 76
Cleidocranial dysostosis. A review and case report. Winkler S, et al. **NY State Dent J** 42(1):24–6, Jan 76
[Impaction of the tooth into the middle cranial fossa as a complication of facial injury] Kurek M, et al. **Czas Stomatol** 28(8):840–5, Aug 75 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Histological studies of impacted teeth] Grivu O, et al. **Bull Group Eur Rech Sci Stomatol Odontol** 18(1–2):51–68, Jan–Apr 75 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Back from the cuspid. Taylor AT. **Aust Dent J** 20(4):244–9, Aug 75

RADIOGRAPHY

Oral surgery in general dental practice. Assessment of lower third molars. Summers L. **Aust Dent J** 20(6):368–70, Dec 75
[Objective radiological stereophotogrammetry in dentistry] Leopold D, et al. **Dtsch Zahnaerztl Z** 30(8):555–9, Aug 75 (Eng. Abstr.)
Radiographic and clinical manifestations of the impacted mandibular third molar. Azaz B, et al. **Int J Oral Surg** 5(4):153–60, Aug 76
An impacted permanent first molar. Adams D. **Oral Surg** 40(5):702–3, Nov 75
Misdiagnosis of an impacted supernumerary tooth from a panographic radiograph. McVaney TP, et al. **Oral Surg** 41(5):678–81, May 76
Four impacted fourth molars. Raley LL, et al. **Oral Surg** 40(4):564–5, Oct 75
Embedded primary maxillary second molar tooth. Seelinger JE. **Oral Surg** 40(6):818–9, Dec 75
A submerged permanent first molar case report. Koskinen KP, et al. **Proc Finn Dent Soc** 71(5):191–3, Oct 75

SURGERY

Comparison of two surgical methods in combined surgical-orthodontic correction of impacted maxillary canines. Wisth PJ, et al. **Acta Odontol Scand** 34(1):53–7, 1976
Surgically uprighting and grafting mandibular second molars. Davis WH, et al. **Am J Orthod** 69(5):555–61, May 76
The surgical uncovering and orthodontic positioning of unerupted maxillary canines. von der Heydt K. **Am J Orthod** 68(3):256–76, Sep 75
Cardiovascular effects of cannabinol during oral surgery. Gregg JM, et al. **Anesth Analg (Cleve)** 55(2):203–13, Mar–Apr 76
Oral surgery in general dental practice. The removal of malpositioned premolars and canines. Summers L. **Aust Dent J** 20(3):135–40, Jun 75
The influence of third molar germectomy--a comparative long-term study. pp. 551–62. Schwarze CW. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London,, Staples, 1975. W3 IN805 1975t.**
Results of surgical exposure of impacted cuspids and bicuspids in relation to patients' somatic and dental maturation. Altonen M, et al. **Int J Oral Surg** 5(4):180–6, Aug 76
Clinical and hematological investigation of Rheumapax in surgical removal of impacted wisdom teeth from the mandible. Bystedt H. **Int J Oral Surg** 5(2):66–70, Apr 1976
Anti-inflammatory and analgetic effects of indomethacin following removal of impacted mandibular third molars. Petersen JK. **Int J Oral Surg** 4(6):267–76, Dec 75
Paracetamol/codeine in relieving pain following removal of impacted mandibular third molars. Sveen K, et al. **Int J Oral Surg** 4(6):258–66, Dec 75
Acute hemorrhage during routine impaction removal. Maw RB. **J Am Dent Assoc** 92(6):1179–80, Jun 76
Conservative treatment of a poorly erupting premolar.

Weintraub DM, et al. **J Dent Child** 43(4):246–9, Jul–Aug 76

Flap design for exposing a labially impacted canine. Kincaid LC. **J Oral Surg** 34(3):270–1, Mar 76

Displaced tooth in the piriform sinus. Schell J, et al. **J Oral Surg** 34(6):553–4, Jun 76

THERAPY

Management of impacted canines. Bishara SE, et al. **Am J Orthod** 69(4):371–87, Apr 76

Direct bonding on impacted teeth. Nielsen IL, et al. **Am J Orthod** 68(6):666–70, Dec 75

Conservative treatment of palatally impacted canines. Stangl DP. **Am J Orthod** 69(3):328–34, Mar 76

Uprighting impacted mandibular second molars. Henns RJ. **Angle Orthod** 45(4):314–5, Oct 75

Periodontal status of orthodontically treated impacted maxillary canines. Wisth PJ, et al. **Angle Orthod** 46(1):69–76, Jan 76

Endodontic treatment of a horizontal impaction. Kampfe LV, et al. **J Am Dent Assoc** 92(3):575–7, Mar 76

[Cone technic for aligning impacted palatal canines] Frankel J. **Orthod Fr** 44(2):193–8, 1973 **(Fre)**

[Aligning of impacted, retained upper canines after age 13: orthopedics or surgical implantation?] Landais H. **Orthod Fr** 45(1):609–11, 1974 **(Fre)**

[Prehension of teeth to be occluded using bonded attachments on the surface of the enamel (case presentation)] Pragier R. **Orthod Fr** 45(2):316–9, 1974 **(Fre)**

[Realigning impacted and unerupted teeth in the dental arch. Classic and unpublished methods] Pompians–Miniac L. **Rev Odontostomatol (Paris)** 4(4):303–15, Jul–Aug 75 **(Fre)**

[Traction with steel wire in the treatment of unerupted teeth] Carnero RC. **Rev Stomatol Chir Maxillofac** 77(1):190–1, Jan–Feb 76 **(Fre)**

[Etiology and possibilities of treatment of the displaced and impacted front tooth] Graf H, et al. **Stomatol DDR** 25(8):530–6, Aug 75 **(Ger)**

VETERINARY

Extraction of impacted teeth in baboons. Boever WJ. **Mod Vet Pract** 57(2):112–3, Feb 76

TOOTH LUXATION

[Maturation of residual tissue, left in the jaw after injury] Wetzel WE. **Dtsch Zahnaerztl Z** 31(7):594–5, Jul 76 **(Ger)**

[A canine in the maxillary antrum] Hatzfeld G. **ZWR** 84(4):155–6, 25 Feb 75 **(Ger)**

COMPLICATIONS

The lost tooth. McAndrew PG. **J Dent** 4(3):144–6, May 76

DIAGNOSIS

[Catamnestic studies on the prognosis of anterior teeth injuries] Wörle M. **Dtsch Zahnaerztl Z** 31(8):635–7, Aug 76 **(Ger)**

ETIOLOGY

[Serial tooth luxations as a side–effect of intraoral splint dressings] Freitag V, et al. **Dtsch Zahnaerztl Z** 31(8):640–2, Aug 76 **(Ger)**

SURGERY

Reimplantation of traumatically avulsed immature incisor: report of case. Shusterman S, et al. **J Dent Child** 43(1):49–52, Jan–Feb 76

THERAPY

Replacement of primary teeth with a partial denture: report of case. Ashton PW. **J Dent Child** 42(6):483–6, Nov–Dec 75

[Luxated and knocked out teeth] Tolmeijer JA, et al. **Ned Tijdschr Geneeskd** 119(24):949–52, 14 Jun 75 **(Dut)**

[Significance of early treatment of fractures and luxation of permanent incisors in children] Ganigal A, et al. **Rev Stomatol Chir Maxillofac** 77(2):384–5, Mar 76 **(Fre)**

[Possibilities and limitations in the conservation of traumatized deciduous teeth] Veigel W, et al. **Dtsch Zahnaerztl Z** 31(3):271–3, Mar 76 (Eng. Abstr.) **(Ger)**

[The repositioning of subluxated front teeth] Wetzel WE. **Dtsch Zahnaerztl Z** 31(8):638–9, Aug 76 **(Ger)**

[Reimplantation of permanent front teeth with incomplete root growth] Eckstein A. **Fortschr Kiefer Gesichtschir** 20:125–7, 1976 **(Ger)**

[Results of treatment after reimplantation of totally dislocated front teeth] Hörster W, et al. **Fortschr Kiefer Gesichtschir** 20:127–9, 1976 **(Ger)**

TOOTH MIGRATION

The role of fibroblasts in the remodeling of periodontal ligament during physiologic tooth movement. Ten Cate AR, et al. **Am J Orthod** 69(2):155–68, Feb 76

Prediction of tooth displacement using laser holography and finite element technique. pp. 241–73. Bowley WW, et al. **In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.**

[Quantitative study on the effects of parathyroidectomy on the osseous remodelling and physiological migration of teeth in the rat] Duflot–Vignery A. **J Biol Buccale** 3(4):337–50, Dec 75 **(Fre)**

[The behavior of the lower front teeth after systematic extraction of the upper premolars] Sterzik G. **Zahn Mund Kieferheilkd** 63(5):448–59, 1975 (Eng. Abstr.) **(Ger)**

[Desmodontosis: case report] Lary–Dębska M. **Czas Stomatol** 29(1):89–92, Jan 76 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Ectopic movement of an unerupted mandibular canine. Greenberg SN, et al. **J Am Dent Assoc** 93(1):125–8, Jul 76

ETIOLOGY

The causes of migration of teeth. pp. 536–43. Moss JP, et al. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London,, Staples, 1975. W3 IN805 1975t.**

External forces causing tooth movement: a case report. Foster MA, et al. **J Dent** 3(4):161–2, Jul 75

Migration of teeth in periodontal disease. Emslie RD. **Proc R Soc Med** 69(5):319–23, May 76

[Migrating or ectopic teeth] Lalanne JL. **Rev Stomatol Chir Maxillofac** 76(8):673–8, Dec 75 (Eng. Abstr.) **(Fre)**

TOOTH MOBILITY

The mobility of horizontally pinned teeth in monkeys and of endosseous blade implants. Picton DC, et al. **Br Dent J** 139(12):469–71, 16 Dec 75

Selection of retainers in lower overlay denture–in relation to the abutment tooth mobility––(a laboratory study). Igarashi Y. **Bull Tokyo Med Dent Univ** 22(3):207–20, Sep 75

Persistent tooth hypermobility following completion of periodontal treatment. Nyman S, et al. **J Clin Periodontol** 3(2):81–93, May 76 **(Fre)**

[The functional behavior of the periodontium with special reference to comparative tooth mobility measurements in vital and devitalized teeth] Sponholz H, et al. **Stomatol DDR** 26(2):76–80, Feb 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

An evaluation of clinical tooth mobility measurements. Laster L, et al. **J Periodontol** 46(10):603–7, Oct 75

Letter: A practical modification of the devices for measuring tooth mobility by spring forces. Näkki K, et al. **Proc Finn Dent Soc** 71(5):194–5, Oct 75

PATHOLOGY

Occlusal characteristics and tooth mobility in periodontally healthy young males classified orthodontically. O'Leary TJ, et al. **J Periodontol** 46(9):553–8, Sep 75

THERAPY

Influence of occlusal adjustment by grinding on gingivitis and mobility of traumatized teeth. Vollmer WH, et al. **J Clin Periodontol** 2(3):113–25, Aug 75

[Endosseous pin fixation of loosened marginal front teeth in periodontitis] Dietz G. **ZWR** 85(4):163–5, 25 Feb 76 **(Ger)**

TOOTH MOVEMENT, MINOR

Combined orthodontic–surgical management of residual palato–alveolar cleft defects. Boyne PJ, et al. **Am J Orthod** 70(1):20–37, Jul 76

A study of the anterior portion of the palate as it relates to orthodontic therapy. Edwards JG. **Am J Orthod** 69(3):249–73, Mar 76

The role of 'orthopedics' and orthodontics in the treatment of class II, division 1 malocclusions. Gianelly AA, et al. **Am J Orthod** 69(6):668–78, Jun 76 (35 ref.)

Measurement of tooth movement. Isaacson RJ, et al. **Am J Orthod** 70(3):290–303, Sep 76

Prediction of orthodontic tooth movement. Marcotte MR. **Am J Orthod** 69(5):511–23, May 76

Attempted orthodontic movement in the presence of suspected ankylosis. Mitchell DL, et al. **Am J Orthod** 68(4):404–11, Oct 75

On optimum orthodontic force theory as applied to canine retraction. Nikolai RJ. **Am J Orthod** 68(3):290–302, Sep 75

Ultrastructural changes in tension zones of rat molar periodontium incident to orthodontic tooth movement. Rygh P. **Am J Orthod** 70(3):269–81, Sep 76

Reconstitution of the human oxytalan system during orthodontic tooth movement. Sims MR. **Am J Orthod** 70(1):38–58, Jul 76

The effect of different extraction sites upon incisor retraction. Williams R, et al. **Am J Orthod** 69(4):388–410, Apr 76

Cyclic AMP levels in alveolar bone of orthodontically–treated cats. Davidovitch Z, et al. **Arch Oral Biol** 20(9):567–74, Sep 75

Cellular localization of cyclic AMP in periodontal tissues during experimental tooth movement in cats. Davidovitch Z, et al. **Calcif Tissue Res** 19(4):317–29, 31 Mar 76

Periodontal ligament cell kinetics following orthodontic tooth movement. Yee JA, et al. **Cell Tissue Kinet** 9(3):293–302, May 76

Repositioning of teeth during and after orthodontic treatment. pp. 502–12. Dreyer CJ, et al. **In: Cook JT, ed. Transactions of the third International Orthodontic Congress. London, Staples, 1975. W3 IN805 1975t.**

Letter: Comments on 'a preclinical laboratory method for a molar uprighting procedure'. Proffit WR. **J Dent Educ** 40(9):582, Sep 76

A preclinical laboratory method for a molar uprighting procedure. Schmidt JR, et al. **J Dent Educ** 40(8):562–4, Aug 76

Epithelial changes incident to tooth movement: a radio–autographic analysis. Boisson MC, et al. **J Periodontol** 47(6):335–41, Jun 76

Forced eruption: part II. A method of treating nonrestorable teeth––Periodontal and restorative considerations. Ingber JS. **J Periodontol** 47(4):203–16, Apr 76

[Retraction] Almiros C, et al. **Orthod Fr** 45(2):295–8, 1974 **(Fre)**

[Qualitative study, on a typodont, of the secondary effects in distal movement] Almiros C. **Orthod Fr** 46:281–9, 1975 (Eng. Abstr.) **(Fre)**

[Optimal orthodontic forces in expansion and distalization movement] Gola L. **Orthod Fr** 44(1):539–45, 1973 (Eng. Abstr.) **(Fre)**

[Induced tooth movement and thyrocalcitonin] Klingler E. **Orthod Fr** 45(2):119–29, 1974 (Eng. Abstr.) **(Fre)**

[Orthodonto–surgical treatment of an anomaly characterized by the intra–osseous retention of several teeth] Lucchése MF. **Orthod Fr** 44(2):91–8, 1973 (Eng. Abstr.) **(Fre)**

[Quantitative study of osteoclasia of the alveolar ridge in experimental orthodontics in rats] Markostamou K, et al. **Orthod Fr** 44(1):245–58, 1973 (Eng. Abstr.) **(Fre)**

[Qualitative and critical study of the pressure quadrant of the alveolar bone after orthodontic displacement] Markostamou MK. **Orthod Fr** 45(2):155–66, 1974 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

The effects of facial bone from facial tipping of incisors in monkeys. Wingard CE, et al. **J Periodontol** 47(8):450–4, Aug 76

INSTRUMENTATION

Optimizing anterior and canine retraction. Burstone CJ, et al. **Am J Orthod** 70(1):1–19, Jul 76

Treatment of simple anterior crossbite using a fixed appliance technique. Benham NR. **J Dent Child** 42(6):487–8, Nov–Dec 75

METHODS

Nonextraction treatment of class II, division 1 malocclusion with the Begg technique. Cadman GR. **Am J Orthod** 68(5):481–98, Nov 75

Begg–edgewise, an amalgamated technique. DeAngelis V. **Am J Orthod** 69(3):301–17, Mar 76

Bioprogressive therapy as an answer to orthodontic needs. Part I. Ricketts RM. **Am J Orthod** 70(3):241–68, Sep 76

[Treatment of anterior frontal open bite using the ricketts method (apropos of 2 cases)] Ferre JC. **Acta Stomatol Belg** 72(4):619–28, 1975 **(Fre)**

[The Sassouni technic] Bergé M. **Orthod Fr** 46:35–41, 1975 **(Fre)**

[Preliminary distal movement of the canines in cases of extraction with crowded incisors] Bonnerot M. **Orthod Fr** 44(1):572–3, 1973 (Eng. Abstr.) **(Fre)**

[Cone technic for aligning impacted palatal canines] Frankel J. **Orthod Fr** 44(2):193–8, 1973 **(Fre)**

TOOTH PERMEABILITY

[Effect of an electric field on the penetration of fluorides into dental enamel, studied in vitro and in vivo] Gros J, et al. **Schweiz Monatsschr Zahnheilkd** 86(1):6–14, Jan 76 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Chelating agents: their effect on the permeability of root canal dentin. Fraser JG, et al. **Oral Surg** 41(4):534–40, Apr 76

[Effect of remineralizing agents on the change in permeability of hard dental tissues] Borovskiĭ EV, et al. **Stomatologiia (Mosk)** 54(4):1–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

TOOTH REIMPLANTATION

Replantation of avulsed teeth. A review. Heithersay GS. **Aust Dent J** 20(2):63–72, Apr 75

Reimplantation of traumatically avulsed immature incisor: report of case. Shusterman S, et al. **J Dent Child** 43(1):49–52, Jan–Feb 76

Cementum regeneration in replanted teeth with differing pulp treatment. Woehrle RR. **J Dent Res** 55(2):235–8, Mar–Apr 76

Transport and storage of human teeth in vitro for autotransplantation and replantation. Kristerson L, et al.

J Oral Surg 34(1):13–8, Jan 76

Re-implantation of avulsed teeth. Whiteacre GW, et al. **NZ Dent J** 72(328):96–8, Apr 76

Replantation of non-vital deciduous molars. Rönning O, et al. **Proc Finn Dent Soc** 72(2):48–52, 1976

[Current status of implantology in dentistry] Hořejš J. **Cesk Stomatol** 75(4):243–53, Jul 75 (56 ref.) **(Cze)**

[Aligning of impacted, retained upper canines after age 13: orthopedics or surgical implantation?] Landais H. **Orthod Fr** 45(1):609–11, 1974 **(Fre)**

[Dental reimplantation in an iliac graft] Ferrand D. **Rev Stomatol Chir Maxillofac** 76(1):13–8, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Reimplantation of permanent front teeth with incomplete root growth] Eckstein A. **Fortschr Kiefer Gesichtschir** 20:125–7, 1976 **(Ger)**

[Results of treatment after reimplantation of totally dislocated front teeth] Hörster W, et al. **Fortschr Kiefer Gesichtschir** 20:127–9, 1976 **(Ger)**

[Animal experimental studies on electrostimulation of the dental pulp after reimplantation] Schmid F, et al. **Fortschr Kiefer Gesichtschir** 20:132–4, 1976 **(Ger)**

[Transplantation of impacted teeth associated with composite odontoma--report of 2 cases] **J Jpn Stomatol Soc** 24(4):368–74, 1975 **(Jpn)**

[Metalized dental home- and auto-transplants] Semina C, et al. **Rev Chir [Stomatol]** 22(2):131–4, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

METHODS

Tooth-alveolus transplantation with gingival pedicle graft in orthodontic surgery. Preliminary report. Tasanen A, et al. **Proc Finn Dent Soc** 72(3):94–8, Jun 76

[The repositioning of subluxated front teeth] Wetzel WE. **Dtsch Zahnaerztl Z** 31(8):638–9, Aug 76 **(Ger)**

TOOTH REMINERALIZATION see **TOOTH CALCIFICATION**

TOOTH RESORPTION

[The body's reaction to necrotic dentin] Fischer CH. **Dtsch Zahnaerztl Z** 30(12):803–5, Dec 75 **(Ger)**

[The behavior of persisting deciduous molars] Hidasi G. **Zahn Mund Kieferheilkd** 64(1):28–31, 1976 (Eng. Abstr.) **(Ger)**

[Internal resorption] Priester ES. **ZWR** 84(17):775–7, 10 Sep 75 **(Ger)**

[Characteristics of the tissue involved in resorption of roots of deciduous teeth] Oguchi H. **J Jpn Stomatol Soc** 42(2):218–20, Jun 75 **(Jpn)**

ETIOLOGY

Multiple external-internal resorptions as late effects of thorium X (224 Ra). Reichart P, et al. **J Oral Pathol** 5(1):52–9, Jan 76

PATHOLOGY

Atypical internal resorption in a newly erupted primary tooth. Fagg LR. **J Dent Child** 43(3):163–6, May–Jun 76

RADIOGRAPHY

Coexistence of different pathologic entities. Pestritto ST. **Oral Surg** 40(4):565–6, Oct 75

TOOTH ROOT

see related

ROOT RESORPTION

Extraction of teeth with root preservation. von Wowern N, et al. **Int J Oral Surg** 5(4):192–6, Aug 76

Apical fenestration. Kelly JR, et al. **J Dent Child** 43(2):96–8, Mar–Apr 76

The relationship between cemental caries, oral hygiene status and fermentable carbohydrate intake. Hix JO, et al. **J Periodontol** 47(7):398–404, Jul 76

[The interesting case. 6-year follow-up of a patient with atypical root length of various teeth] Dahl T. **Stomatol DDR** 25(10):684–6, Oct 75 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Premolar root perforation by the inferior dental bundle. A case report. Greenwood MR. **Br Dent J** 139(4):143–4, 19 Aug 75

Cementum and other root abnormalities of permanent teeth in cleidocranial dysostosis. Hitchin AD. **Br Dent J** 139(8):313–8, 21 Oct 75

Root aplasia following maxillary sinus irrigation. Case reports. Shinn DL. **Br Dent J** 140(8):268–70, 20 Apr 76

Letter: The proper approach to dilacerated roots. Hanawalt RP. **J Am Dent Assoc** 91(3):499–500, Sep 75

Dilaceration of both upper central incisor teeth: a case report. Edmondson HD, et al. **J Dent** 3(5):223–4, Sep 75

Supplemental root in superior lateral incisor. Berbert A, et al. **Oral Surg** 42(2):268, Aug 76

Bilateral bifurcation of the maxillary deciduous cuspids. Brown CK. **Oral Surg** 40(6):817, Dec 75

Birooted mandibular cuspid. Friedman A. **Oral Surg** 41(3):406, Mar 76

Extra root of lateral incisor. Furman DJ, et al. **Oral Surg** 42(2):268–9, Aug 76

ANATOMY & HISTOLOGY

Anatomy of root canals. III. Permanent mandibular molars. Barker BC, et al. **Aust Dent J** 19(6):408–13, Dec 74

Anatomy of root canals. IV deciduous teeth. Barker BC, et al. **Aust Dent J** 20(2):101–6, Apr 75

Incidence of trifurcated mandibular first permanent molars in the population of Guam. Hochstetter RL. **J Dent Res** 54(5):1097, Sep–Oct 75

In vitro attachment of human gingival fibroblasts to root surfaces. Aleo JJ, et al. **J Periodontol** 46(11):639–45, Nov 75

Accelerated reattachment with cementogenesis to dentin, demineralized in situ. I. Optimum range. Register AA, et al. **J Periodontol** 46(11):646–55, Nov 75

Vital root amputation. A clinical and histological study. Smukler H, et al. **J Periodontol** 47(6):324–30, Jun 76

[Percentual loss of active desmodontioum in horizontal tooth resorption] Hinz KP. **Dtsch Zahnaerztl Z** 30(7):465–8, Jul 75 (Eng. Abstr.) **(Ger)**

[A new dentometric probe for the topographical detection of the tooth-root apex] Lindorf HH. **Dtsch Zahnaerztl Z** 31(8):669, Aug 76 **(Ger)**

[The disposition of the apices of the roots of multirooted teeth in the alveolar processes of the upper jaw] Ivanov AS. **Arkh Anat Gistol Embriol** 70(4):61–5, Apr 76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Microhardness of human apical cementum related to fluoride exposure and age. Stepnick RJ, et al. **J Dent Res** 54(4):905, Jul–Aug 75

GROWTH & DEVELOPMENT

[Studies of the development of the molar root experimentally grafted under the kidney capsule of the rat] Bérard R. **Actual Odontostomatol (Paris)** (110):285–96, Jun 75 (Eng. Abstr.) **(Fre)**

[(Reflections and hypotheses on the completion of growth and the apical closure of devitalized immature teeth)] Sebban CH, et al. **Actual Odontostomatol (Paris)** (113):119–132, Mar 76 (Eng. Abstr.) **(Fre)**

[Reimplantation of permanent front teeth with incomplete root growth] Eckstein A. **Fortschr Kiefer Gesichtschir** 20:125–7, 1976 **(Ger)**

[Atypical development of roots of upper incisors after mechanical injury] Bily-Prygowa Z. **Czas Stomatol** 28(8):797–802, Aug 75 (Eng. Abstr.) **(Pol)**

[Condition of periapical tissues of teeth with developing roots in orthodontic treatment (based on roentgenographic data)] Siryk VA. **Stomatologiia (Mosk)** 55(1):72–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Age-related dynamics of root-formation in permanent teeth] Udovitskaia EV, et al. **Stomatologiia (Mosk)** 55(2):64–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

INJURIES

Split-root syndrome (letter). Green SN. **J Am Dent Assoc** 93(3):515, Sep 76

The undiagnosed split-root syndrome. Silvestri AR. **J Am Dent Assoc** 92(5):930–5, May 76

Combined endodontic-orthodontic treatment of subgingivally fractured teeth. Wolfson EM, et al. **J Can Dent Assoc** 41(11):621–4, Nov 75

Restoration of teeth with subgingival and subosseous fractures. Goerig AC. **J Prosthet Dent** 34(6):634–9, Dec 75

Repair characteristics of root fractures in permanent anterior teeth. Jacobsen I, et al. **Scand J Dent Res** 83(6):355–64, Nov 75

Root fractures in permanent anterior teeth with incomplete root formation. Jacobsen I. **Scand J Dent Res** 84(4):210–7, Jul 76

Long-term prognosis of 66 permanent anterior teeth with root fracture. Zachrisson BU, et al. **Scand J Dent Res** 83(6):345–54, Nov 75

INNERVATION

[Decompression of the inferior alveolar nerve folloing accidental introduction of obturation paste into the dental canal] Haag R. **Rev Odontostomatol (Paris)** 3(3):207–14, May 74 **(Fre)**

METABOLISM

Patterns of mineralization in the roots of premolar teeth in dogs. Owens PD. **Arch Oral Biol** 20(11):709–12, Nov 75

Residual fluoride concentrations and scanning electron microscopic examination of root surfaces of human teeth after topical application of fluoride in vivo. Ehrlich J, et al. **J Dent Res** 54(4):897–900, Jul–Aug 75

Floride uptake by root dentin after immersion in 2% NaF solution with iontophoresis. Zadok J, et al. **J Dent Res** 55(2):310, Mar–Apr 76

MICROBIOLOGY

Microbial succession in subgingival plaque of man. Sterberg SK, et al. **J Periodont Res** 11(5):243–55, Sep 76

PATHOLOGY

The paradental cyst. A specific inflammatory odontogenic cyst. Craig GT. **Br Dent J** 141(1):9–14, 6 Jul 76

The zone of completely and partially destructed periodontal fibres in pathological pockets. Saglie R, et al. **J Clin Periodontol** 2(4):198–202, 1975

Measuring periodontal disease in ancient populations: root and wear indices in study of American Indian skulls. Goldberg HJ, et al. **J Periodontol** 47(6):348–51, Jun 76

Some anatomical factors related to furcation involvements. Larato DC. **J Periodontol** 46(10):608–9, Oct 75

[Apex and periapical periodontium of teeth with endodontic-endosseal pin fixation] Dietz G. **Dtsch Zahnaerztl Z** 30(7):481–2, Jul 75 (Eng. Abstr.) **(Ger)**

[Cementoma] Végh T. **Fogorv Sz** 68(10):302–4, Oct 75 **(Hun)**

PHYSIOPATHOLOGY

Natural desensitization of exposed tooth roots in dogs. Karlsson UL, et al. **J Dent Res** 54(5):982–6, Sep–Oct 75

RADIOGRAPHY

The apical level of root fillings. Molven O. **Acta Odontol Scand** 34(2):89–105, 1976

A radiographic study of roots in extraction sites. Hatasaka HH. **Angle Orthod** 46(1):64–8, Jan 76

A quantitative comparison of paralleling long-cone and bisection-of-angle periapical radiography. Biggerstaff RH, et al. **Oral Surg** 62(5):673–7, May 76

[Observation on x-ray photograph of post crown. Part I: Form of crown and relation to the root surface (author's transl)] Aoki J, et al. **J Jpn Stomatol Soc** 42(4):473–7, Dec 75 **(Jpn)**

[A radiographic examination of endodontically treated teeth] Kerekes K. **Nor Tannlaegeforen Tid** 86(4–1):154–60, Apr 76 **(Nor)**

SURGERY

Oral surgery in general dental practice. The removal of roots. Summers L. **Aust Dent J** 20(2):107–11, Apr 75

Periodontal treatment of multirooted teeth. Results after 5 years. Hamp SE, et al. **J Clin Periodontol** 2(3):126–35, Aug 75

The clinical and histological response of periodontal pockets to root planing and oral hygiene. Tagge DL, et al. **J Periodontol** 46(9):527–33, Sep 75

Intentional retention of vital submerged roots in dogs. Plata RL, et al. **Oral Surg** 42(1):100–8, Jul 76

[Wound healing following resection of the root apex in the dog. I. Results of findings in the light microscope] Svejda J, et al. **Cesk Stomatol** 76(1):4–9, Jan 76 **(Cze)**

[Hemisection, tooth separation and root amputation] Guldener PH. **Schweiz Monatsschr Zahnheilkd** 86(8):795–811, Aug 76 (Eng. Abstr.) **(Ger)**

[Functional characteristics of teeth after tooth root apex resection] Amiraev UA. **Zdravookhr Kirg** (3):40–2, May–Jun 75 **(Rus)**

TRANSPLANTATION

A technique for autogenous root transplantation. Yuodelis RA, et al. **J Prosthet Dent** 35(3):307–13, Mar 76

ULTRASTRUCTURE

The fine structure of the coronal root region of premolar teeth in dogs. Owens PD. **Arch Oral Biol** 20(11):705–8, Nov 75

The nature of epithelial proliferation in apical granulomas. Summers L, et al. **J Oral Pathol** 4(6):324–9, Dec 75

New method of viewing root surfaces. Kerry GJ. **J Periodontol** 46(11):673–6, Nov 75

[Wound healing following root apex resection in the dog. II. Results of findings in the scanning electron microscope] Svejda J, et al. **Cesk Stomatol** 76(2):81–8, Mar 76 (Eng. Abstr.) **(Cze)**

TOOTH, SUPERNUMERARY

Unusual dental conditions in archaeological material. (4). Embedded mesiodens. Lunt DA. **Br Dent J** 140(4):150, 17 Feb 76

Supernumerary premolars: a case report. Edler R. **J Dent** 3(5):215–6, Sep 75 .

A supernumerary tooth in the lower molar region: a case report. Langan LC. **J R Nav Med Serv** 61(2):88, Summer 75

[Some observations of the numerical variation of teeth] Margit B. **Fogorv Sz** 69(5):146–8, May 76 **(Hun)**

[Occurrence of poliodontia in Didelphis L. 1758 and its possible correlation with an ancestral form] Takahashi F. **An Acad Bras Cienc** 46(2):285–5, Jun 74 (Eng. Abstr.) **(Por)**

[Primary dystrophies of the temporary teeth] Cămpeanu M, et al. **Rev Chir [Stomatol]** 21(5):431–40, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[Supernumerary tooth in the nasal cavity] Kitsera AE, et al. **Zh Ushn Nos Gorl Bolezn** (4):102, Jul–Aug 75 **(Rus)**

COMPLICATIONS

Supernumerary teeth and dentigerous cyst. Galil KA. **Oral Surg** 41(5):687–8, May 76

Rapid root resorption in central incisor caused by a supernumerary tooth. A case report. Jokela M. **Proc Finn Dent Soc** 72(2):56–9, 1976

OCCURRENCE

Supernumerary and congenitally missing permanent upper anterior teeth in 7-year-old Finnish children A radiographic study. Järvinen S. **Proc Finn Dent Soc** 72(3):99–102, Jun 76

PATHOLOGY

Mandibular distomolars. A review of the Japanese literature and a report of three additional cases. Sugimura M, et al. **Oral Surg** 40(3):341–5, Sep 75

PHYSIOPATHOLOGY

The early eruption of a superanumerry tooth (mesiodens). Williams DW. **Br Dent J** 140(6):209–10, 16 Mar 76

RADIOGRAPHY

Supernumerary maxillary molar. Lessig JF. **Dent Radiogr Photogr** 49(2):45, 1976

Microdont. Dombroff EJ. **Oral Surg** 40(5):701–2, Nov 75

Ten maxillary molars. Hasey RE, et al. **Oral Surg** 41(2):268–9, Feb 76

Radiograph fails to reveal unerupted teeth. Langlais R, et al. **Oral Surg** 41(4):541–2, Apr 76

Misdiagnosis of an impacted supernumerary tooth from a panographic radiograph. McVaney TP, et al. **Oral Surg** 41(5):678–81, May 76

Four impacted fourth molars. Raley LL, et al. **Oral Surg** 40(4):564–5, Oct 75

Bilateral postdentition premolars. Seeliger JE. **Oral Surg** 41(6):803, Jun 76

SURGERY

[A case of bilateral hyperodontia] Vigh I, et al. **Fogorv Sz** 68(10):299–301, Oct 75 **(Hun)**

[Mixed teeth--a case report and an alternative treatment] Kvam E, et al. **Nor Tannlaegeforen Tid** 86(7):305–8, Jul 76 (Eng. Abstr.) **(Nor)**

TOOTH SUPPORTING STRUCTURES see **PERIODONTIUM**

TOOTH, UNERUPTED

see related

TOOTH, IMPACTED

Ectopic movement of an unerupted mandibular canine. Greenberg SN, et al. **J Am Dent Assoc** 93(1):125–8, Jul 76

Delayed tooth eruption versus impaction. Kracke RR. **J Dent Child** 42(5):371–4, Sep–Oct 75

Composite odontome: case report. Sharpe GD. **J R Nav Med Serv** 61(3):143–4, Winter 75

[Realigning impacted and unerupted teeth in the dental arch. Classic and unpublished methods] Pompians-Miniac L. **Rev Odontostomatol (Paris)** 4(4):303–15, Jul–Aug 75 **(Fre)**

ABNORMALITIES

An unusual third molar. Blakemore JR. **Oral Surg** 42(1):136, Jul 76

ANALYSIS

[Chemical analysis of glucosaminoglucuronoglycans isolated from the enamel and dentin of unerupted teeth with unformed roots in pigs] Tomanczyk W, et al. **Czas Stomatol** 29(3):199–203, Mar 76 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Histology of fissures in human unerupted teeth. Galil KA, et al. **J Dent Res** 54(5):960–4, Sep–Oct 75

METABOLISM

Pre-eruptive effects of Mo, B, Sr and F on dental caries in the rat. Hunt CE, et al. **Arch Oral Biol** 20(8):497–501, Aug 75

Dental phosphoprotein-induced formation of hydroxylapatite during in vitro synthesis of amorphous calcium phosphate. Nawrot CF, et al. **Biochemistry** 15(16):3445–9, 10 Aug 76

PATHOLOGY

Patterns of crowding of permanent mandibular incisors before eruption. Kindaichi K. **J Dent Res** 55(4):625–7, Jul–Aug 76

RADIOGRAPHY

Radiograph fails to reveal unerupted teeth. Langlais R, et al. **Oral Surg** 41(4):541–2, Apr 76

A submerged permanent first molar case report. Koskinen KP, et al. **Proc Finn Dent Soc** 71(5):191–3, Oct 75

SURGERY

Premolar enucleation. Ingram AH. **Angle Orthod** 46(3):219–31, Jul 76

[Realigning impacted and unerupted teeth in the dental arch. Classic and unpublished methods] Pompians-Miniac L. **Rev Odontostomatol (Paris)** 4(4):303–15, Jul–Aug 75 **(Fre)**

TRANSPLANTATION

The occlusal fissure of unerupted third molars as an experimental caries model in man. Fejerskov O, et al. **Scand J Dent Res** 84(3):142–9, May 76

ULTRASTRUCTURE

The porous outer enamel of unerupted human premolars. Crabb HS. **Caries Res** 10(1):1–7, 1976

TOOTHACHE

Pain from dentine and pulp. Anderson DJ. **Br Med Bull** 31(2):111–4, May 75

DRUG THERAPY

[Hendrik van Deventer (1651–1724), the Labadists and their pills against toothache] Gysel C. **Rev Belge Med Dent** 30(3):291–8, 1975 **(Dut)**

[Pain-alleviating action of fentanyl and pentazocine in combination with droperdol and carbidine] Novikova GV, et al. **Farmakol Toksikol** 38(5):547–51, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Anginal pain referred to the teeth. Report of a case. Natkin E, et al. **Oral Surg** 40(5):678–80, Nov 75

[Immunology and toothache] Bensalem DE, et al. **Rev Stomatol Chir Maxillofac** 77(2):401–2, Mar 76 **(Fre)**

OCCURRENCE

Dental pain. An incidence study. Miller J, et al. **Br Dent J** 139(8):327–8, 21 Oct 75

PHYSIOPATHOLOGY

The mechanisms of pain from dentine and pulp. Matthews B. **Br Dent J** 140(2):57–60, 20 Jan 76 (56 ref.)

THERAPY

Letter: Dental pain. Coombs M. **Br Dent J** 140(2):40, 20 Jan 76

[Drugs against toothache] **Zahnaerztl Mitt** 65(19):913, 1 Oct 75 **(Ger)**

TOOTHBRUSHING

Letter: Recommended by the British Dental Association. Andlaw RJ, et al. **Br Dent J** 139(11):420, 2 Dec 75

The toothbrush application of chlorhexidine. A clinical trial. Bassiouny MA, et al. **Br Dent J** 139(8):323–7, 21 Oct 75

The first mechanical toothbrush? Scutt JS, et al. **Br Dent J** 139(4):152, 19 Aug 75

Brushing brigade. Moggach HK, et al. **Can Nurse** 72(1):26, Jan 76

Comparisons of caries prevalence of children with different daily toothbrushing frequencies. Leske GS, et al. **Community Dent Oral Epidemiol** 4(3):102–5, May 76

Training mentally retarded adolescents to brush their teeth. Horner RD, et al. **J Appl Behav Anal** 8(3):301–9, Fall 75

Scanning and transmission electron microscopic examination of occlusal surface plaque following tooth brushing. Galil KA. **J Can Dent Assoc** 41(9):499–503, Sep 75

The effect of a chlorhexidine-containing gel on oral cleanliness and gingival health in young adults. Hansen F, et al. **J Clin Periodontol** 2(3):153–9, Aug 75

Effects of tongue brushing on tongue coating and dental plaque scores. Gross A, et al. **J Dent Res** 54(6):1236, Nov–Dec 75

Effect of toothbrush variables on wear of dentin produced by four abrasives. Harte DB, et al. **J Dent Res** 54(5):993–8, Sep–Oct 75

Oral overcorrection: side effects and extended applications. Doke LA, et al. **J Exp Child Psychol** 20(3):496–511, Dec 75

Abrasion of restorative materials by toothaste. Heath JR, et al. **J Oral Rehabil** 3(2):121–38, Apr 76

Effect of tongue brushing on formation of dental plaque. Badersten A, et al. **J Periodontol** 46(10):625–7, Oct 75

Dental prophylaxis procedures in control of periodontal disease in Lucknow (rural) India. Chawla TN, et al. **J Periodontol** 46(8):498–503, Aug 75

Letter: Clinical evaluation of a newly designed contoured toothbrush. Saffir AJ. **J Periodontol** 47(8):487, Aug 76

Effects of artifical crown margin extension and tooth brushing frequency on gingival pocket depth. Larato DC. **J Prosthet Dent** 34(6):640–3, Dec 75

The effect of toothbrushing frequency on oral hygiene and gingival health in school children: reassessment after two and one-half years. Barenie JT, et al. **J Public Health Dent** 36(1):9–16, Winter 76

Comparative toothbrush efficiency utilizing a new oral hygiene index. Love WD, et al. **J Public Health Dent** 35(4):231–6, Fall 75

A pilot study on the effect of toothbrushing on the gingiva of a beagle dog. Sangnes G. **Scand J Dent Res** 84(2):106–8, Mar 76

[Surface of healthy gingiva after cleaning of teeth and after massage of the gums by toothbrush or by irrigation] Bílý B, et al. **Cesk Stomatol** 75(6):445–52, Dec 75 (Eng. Abstr.) **(Cze)**

[Special brush for cleaning of less accessible parts of the teeth] Skach M, et al. **Cesk Stomatol** 75(6):453–6, Dec 75 (Eng. Abstr.) **(Cze)**

[Denture care] Voss R. **ZWR** 84(13):618–20, 10 Jul 75 **(Ger)**

[Rinsing/brushing with fluorides] Lokken P, et al. **Tidsskr Nor Laegeforen** 95(27):1548–9, 30 Sep 75 **(Nor)**

ADVERSE EFFECTS

Letter: Pacemaker triggering (inhibition) by electric toothbrush. Escher DJ, et al. **Am J Cardiol** 38(1):126–7, Jul 76

Prevalence of oral soft and hard tissue lesions related to mechanical toothcleansing procedures. Sangnes G, et al. **Community Dent Oral Epidemiol** 4(2):77–83, Mar 76

Traumatization of teeth and gingiva related to habitual tooth cleaning procedures. Sangnes G. **J Clin Periodontol** 3(2):94–103, May 76

Four variables affecting magnitude of dentrifice abrasiveness. Harte DB, et al. **J Dent Res** 55(3):322–7, May–Jun 76

A survey of factors possibly associated with cervical abrasion of tooth surfaces. Radentz WH, et al. **J Periodontol** 47(3):148–54, Mar 76

INSTRUMENTATION

[Comparative studies on the cleansing action of short head toothbrushes with various bristle fields] Gülzow HJ, et al. **Dtsch Zahnaerztl Z** 30(9):576–80, Sep 75 (Eng. Abstr.) **(Ger)**

[Information on the current choice in toothbrushes] Arnold M, et al. **Stomatol DDR** 25(12):849–51, Dec 75 **(Ger)**

[Study on manual toothbrushing and its evaluation. II] Spengler L, et al. **ZWR** 84(22):1021–6, 25 Nov 75 **(Ger)**

[Study on manual tooth cleaning and its evaluation. III.] Spengler L, et al. **ZWR** 84(23–24):1078–80 concl, 15 Dec 75 **(Ger)**

METHODS

Oral hygiene instruction in children using manual and electric toothbrushes. Benefits after six months. McAllan LH, et al. **Br Dent J** 140(2):51–6, 20 Jan 76

Oral hygiene instruction and motivation in children using manual and electric toothbrushes. Crawford AN, et al. **Community Dent Oral Epidemiol** 3(6):257–61, Nov 75

The interdental brush and its place in operative and crown and bridge dentistry. Waerhaug J. **J Oral Rehabil** 3(2):107–13, Apr 76

[Comparative evaluation of manual and electric brushing] Fourel J, et al. **Actual Odontostomatol (Paris)** (108):619–46, Dec 74 (Eng. Abstr.) **(Fre)**

[Study on manual toothbrushing and its evaluation. I.] Spengler L, et al. **ZWR** 84(21):967–73, 10 Nov 75 **(Ger)**

TOOTHPASTE see under **DENTIFRICES**

TOPECTOMY see **PSYCHOSURGERY**

TORECAN see **THIETHYLPERAZINE**

TORSION

[Torsion of the gallbladder] Kolakowski S, et al. **Wiad Lek** 29(12):1111–2, 15 Jun 76 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Letter: Chorea and torsion in parkinsonism. Parkes JD, et al. **Lancet** 2(7977):155, 17 Jul 76

DIAGNOSIS

[Isolated tortion of the fallopian tube. Report on a recurrent tortion of a hematosalpinx due to genital tuberculosis (author's transl)] Huhn FO, et al. **Geburtshilfe Frauenheilkd** 36(7):598–602, Jul 76 (Eng. Abstr.) **(Ger)**

SURGERY

Chronic torsion of the spleen. Collins JC, et al. **Am Surg** 42(6):427–9, Jun 76

TORTICOLLIS

CEREBROSPINAL FLUID

Cerebrospinal fluid protein patterns in spasmodic torticollis. Kjellin KG, et al. **Eur Neurol** 13(5):461–75, 1975

COMPLICATIONS

The relationship between spasmodic torticollis and essential tremor. Couch JR. **Trans Am Neurol Assoc** 100:181–3, 1975

[Painful syndrome of the neck muscles caused by torticollis, a minor form of Grisel's disease] Hennebert PE. **Acta Otorhinolaryngol Belg** 29(3):510–3, 1975 **(Fre)**

[Ocular torticollis in concomitant squint. A study from general practice] Bastian A. **Klin Monatsbl Augenheilkd** 165(6):921–5, Dec 74 (Eng. Abstr.) **(Ger)**

CONGENITAL

[Some problems in the diagnosis and treatment of congenital spastic wryneck in children] Skiban VO. **Pediatr Akush Ginekol** (3):21–3, May–Jun 75 **(Ukr)**

DIAGNOSIS

Electromyographic investigations in torticollis. Vasilescu C, et al. **Appl Neurophysiol** 38(3):153–60, 1975

Diagnosis and management of torticollis. Clark RN. **Pediatr Ann** 5(4):43–57, Apr 76

[Importance of ocular torticollis and the possibility of its measurement with the torticollimeter (author's transl)] Sradj N. **Klin Monatsbl Augenheilkd** 165(5):823–6, Nov 74 (Eng. Abstr.) **(Ger)**

[Early detection of congenital dysplasia of the hip joint and muscular torticollis in infants under conditions of a polyclinic] Gvozdev NI. **Pediatriia** (11):8–10, Nov 75 **(Rus)**

DRUG THERAPY

Effect of centrally acting drugs on experimental torticollis in monkeys. Battista AF, et al. **Adv Neurol** 14:329–38, 1976

Letter: Bromocriptine and spasmodic torticollis. Lees A, et al. **Br Med J** 1(6021):1343, 29 May 76

ETIOLOGY

Torticollis caused by absence of the right sternocleidomastoid muscle. McKinley LM, et al. **South Med J** 69(8):1099–101, Aug 76

[Contribution to surgical treatment of congenital nystagmus with ocular torticollis (author's transl)] Bastian A, et al. **Klin Monatsbl Augenheilkd** 166(6):780–3, Jun 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Ultrastructure of the sternocleidomastoid muscle in muscular torticollis. Mickelson MR, et al. **Clin Orthop** (110):11–8, Jul–Aug 75

PHYSIOPATHOLOGY

Dystonia and tremor in spasmodic torticollis. Couch JR. **Adv Neurol** 14:245–58, 1976

RADIOGRAPHY

[Comparative radiological study between spasmodic torticollis and Parkinson's disease. Notes on the etiology of spasmodic torticollis] Mello LR, et al. **Arq Neuropsiquiatr** 33(1):41–51, Mar 75 (Eng. Abstr.) **(Por)**

REHABILITATION

Retrocollis: management with orthoplast adapted orthosis. Cavanaugh JA, et al. **Arch Phys Med Rehabil** 57(6):300–2, Jun 76

SURGERY

The influence of age on the results of open sternomastoid tenotomy in muscular torticollis. Ling CM. **Clin Orthop** (116):142–8, May 76

[Surgical treatment of spasmodic torticollis. Physiopathological considerations and follow-up of 20 cases (author's transl)] Giuffrè R, et al. **Riv Patol Nerv Ment** 96(3):195–208, May–Jun 75 (Eng. Abstr.) **(Ita)**

THERAPY

Sensory feedback therapy of spasmodic torticollis and dystonia: results in treatment of 55 patients. Korein J, et al. **Adv Neurol** 14:375–402, 1976

Hypnosis: a cure for torticollis. Avampato JJ. **Am J Clin Hypn** 18(1):60–2, Jul 75

[Management of spasmodic torticollis—follow-up studies] Namba S, et al. **Clin Neurol (Tokyo)** 16(1):48–60, Jan 76 (Eng. Abstr.) **(Jpn)**

TORTURE see under **AGGRESSION**

TORULA see **CRYPTOCOCCUS**

TORULOPSIS

Some aspects of the biomass of Torula in human nutrition. A new protein source. Kužela L, et al. **Bibl Nutr Dieta** (23):169–73, 1976

Membrane-mediated killing of Saccharomyces cerevisiae by glycoproteins from Torulopsis glabrata. Bussey H, et al. **J Bacteriol** 124(1):476–83, Oct 75

Pneumonia associated with Torulopsis glabrata in an aborted bovine fetus. Knudtson WU, et al. **Sabouraudia** 14(1):43–5, Mar 76

ANALYSIS

Structure of wye (Yt base) and wyosine (Yt) from Torulopsis utilis phenylalanine transfer ribonucleic acid. Kasai H, et al. **Biochemistry** 15(4):898–904, 24 Feb 76

Estimation of the molecular length of petite negative yeast mitochondrial DNA. Kojo H. **FEBS Lett** 67(2):134–6, 15 Aug 76

[NMR spin–echo study of the lyophilized biomass of Candida utilis yeasts at different growth stages] Aksenov SI, et al. **Mikrobiologiia** 44(3):546–51, May–Jun 75 (Eng. Abstr.) **(Rus)**

[A study of the cytochrome composition of microorganisms by their absorption spectra and first derivative spectra] Sokolov GV, et al. **Mikrobiologiia** 45(2):201–3, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Numerical analysis and computerized identification of the yeast genera Candida and Torulopsis. Campbell I. **J Gen Microbiol** 90(1):125–32, Sep 75

CYTOLOGY

[Use of cysteine in the glutaraldehyde fixation of Candida utilis yeasts] Biriuzova VI, et al. **Mikrobiologiia** 44(4):749–50, Jul–Aug 75 **(Rus)**

[Protoplast production from Candida utilis] Lobyreva AB. **Mikrobiologiia** 44(2):289–93, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Spheroplasts of Torulopsis candida yeasts and their oxidizing activity] Sudovtsov VE. **Mikrobiologiia** 44(1):178–80, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibition of potentially pathogenic yeastlike fungi by clotrimazole in combination with 5-fluorocytosine or amphotericin B. Beggs WH, et al. **Antimicrob Agents Chemother** 9(6):863–5, Jun 76

Killing of Torulopsis glabrata by Saccharomyces cerevisiae killer factor. Bussey H, et al. **Antimicrob Agents Chemother** 9(2):352–4, Feb 76

[The action of propolis on saccharomycetes] Cižmárik J, et al. **Pharmazie** 30(6):406–7, Jun 75 **(Ger)**

[A mathematical model of inhibition of the growth of Candida utilis by heavy metal ions] Petrova TA, et al. **Mikrobiologiia** 45(2):224–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[The effect of carbon dioxide gas on the growth of Candida utilis yeasts during continuous cultivation in a chemostat] Shkidchenko AN. **Mikrobiologiia** 45(1):67–72, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Active center and subunit structure of transaldolase from Candida utilis. Schutt H, et al. **Arch Biochem Biophys** 169(1):287–97, Jul 75

Urea amidolyase of Candida utilis. Characterization of the urea cleavage reactions. Castric PA, et al. **Biochim Biophys Acta** 438(2):574–83, 8 Jul 76

Regulatory properties of yeast nitrate reductase in situ. Choudary VP, et al. **Can J Microbiol** 22(1):35–42, Jan 76

Purification and properties of leucyl-tRNA synthetase from Candida utilis. Murasugi A, et al. **Eur J Biochem** 57(1):169–75, 1 Sep 75

Studies of glutamate dehydrogenase. Regulation of glutamate dehydrogenase from Candida utilis by a pH and temperature-dependent conformational transition. Neumann P, et al. **Eur J Biochem** 65(2):465–72, 1 Jun 76

Stereospecificity of conversion of uric acid into allantoic acid by enzymes of Canadida utilis. Okumura I, et al. **J Biochem (Tokyo)** 79(5):1013–9, May 76

[Localization of lipase in Candida utilis] Biriuzova VI, et al. **Mikrobiologiia** 44(6):1090–3, Nov–Dec 75 **(Rus)**

[Activation of L-amino acids by aminoacyl-tRNA-synthetases from yeast Candida utilis IBPM-405] Vinogradov BD, et al. **Prikl Biokhim Mikrobiol** 11(3):378–81, May–Jun 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Growth and physiology of Candida utilis NCYC 321 in potassium-limited chemostat culture. Aiking H, et al. **Arch Microbiol** 108(1):117–24, 3 May 76

Light entrained circadian oscillations of growth rate in the yeast, Candida utilis. pp. 72–7. Wille JJ Jr. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

[Autoselection in Candida utilis yeasts in a chemostat culture] Shkidchenko AN, et al. **Mikrobiologiia** 44(4):676–81, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Dynamics of consumption and threshold concentration of glucose during the culture of Torulopsis latvica] Shkidchenko AN. **Mikrobiologiia** 44(2):228–32, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Use of 2-stage continuous culture for studying the physiological state of Candida utilis] Vraná D. **Mikrobiologiia** 44(2):214–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Cysteine effects on yeast growth] Smashevsky ND. **Prikl Biokhim Mikrobiol** 11(2):167–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Torulopsis glabrata infections in patients with cancer. Increasing incidence and relationship to colonization. Aisner J, et al. **Am J Med** 61(1):23–8, Jul 76

Torulopsis glabrata infection in the oral cavity. Hase MP, et al. **J Oral Pathol** 5(1):8–16, Jan 76

[Torulopsis glabrata—its incidence in Finnish patients, especially in the respiratory tract] Kahanpää A. **Mykosen** 18(9):375–81, Sep 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Influence of specific growth rate on biomass yield, productivity, and compostion of Candida utilis in batch and continuous culture. Paredes-López O, et al. **Appl Environ Microbiol** 31(4):487–91, Apr 76

Effect of substrates on acetoin production by Torulopsis colliculosa and Enterobacter species. Yadav NK, et al. **Appl Microbiol** 30(6):889–92, Dec 75

Sterol biosynthesis in antibiotic sensitive and resistant Candida. Fryberg M, et al. **Arch Biochem Biophys** 173(1):171–7, Mar 76

The utilization of rare and unnatural pentoses by yeast Torulopsis candida. Karassevitch NY. **Biochimie** 58(1–2):239–42, 1976

Cellulase and protein production from mixed cultures of Trichoderma viride and a yeast. Peitersen N. **Biotechnol Bioeng** 17(9):1291–9, Sep 75

Sterol and fatty acid composition of polyene macrolide antibiotic resistant Torulopsis glabrata. Lomb M, et al. **Can J Biochem** 53(12):1309–15, Dec 75

Respiratory-deficient mutants of Torulopsis glabrata, a yeast with circular mitochondrial deoxyribonucleic acid of 6 mu m. O'Connor RM, et al. **J Bacteriol** 126(2):959–68, May 76

Accumulation and storage of Zn2+ by Candida utilis. Failla ML, et al. **J Gen Microbiol** 94(1):23–36, May 76

[Views of methods of cell-disruption for investigation of the lipids of the yeasts Endomycopsis vernalis and Torulopsis utilis (author's transl)] Fischer H, et al. **Planta Med** 29(2):160–4, Mar 76 (Eng. Abstr.) **(Ger)**

[Binding of silver ions by Candida utilis cells] Golubovich VN, et al. **Mikrobiologiia** 45(1):119–22, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of pH on the properties of the chemostatic culture of Canida utilis] Andreeva EA, et al. **Prikl Biokhim Mikrobiol** 11(3):317–21, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Isolation and morphological and biochemical characterization of mitochondria of yeast Torulopsis candida grown on glucose and hexadecane] Ilchenko AP, et al. **Prikl Biokhim Mikrobiol** 11(2):162–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the relationship between the free water fraction in dried Candida utilis and the phosphorus content of cells] Nikitin VA, et al. **Prikl Biokhim Mikrobiol** 11(4):495–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Use of malt extract as a nitrogen source for continuous cultivation of Candida utilis] Oleinikova TA, et al. **Prikl Biokhim Mikrobiol** 11(6):857–61, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Daughter cells as an important factor in determining the physiological state of yeast populations. Vraná D. **Biotechnol Bioeng** 18(3):297–309, Mar 76

ULTRASTRUCTURE

13C Fourier transform nuclear magnetic resonance studies of fractionated Candida utilis membranes. London RE, et al. **Biochemistry** 14(25):5492–500, 16 Dec 75

Colloidal gold granules as markers for cell surface receptors in the scanning electron microscope. Horisberger M, et al. **Experientia** 31(10):1147–9, 15 Oct 75

Mitochondrial structure studied by high voltage electron microscopy of thick sections of Candida utilis. Davidson MT, et al. **J Gen Microbiol** 91(1):127–38, Nov 75

Isolation of vacuoles from yeasts. Wiemken A. **Methods Cell Biol** 12:99–109, 1975

[Freeze etching of yeasts Saccharomyces, Torulopsis, and Rhodotorula] Casperson G, et al. **Z Allg Mikrobiol** 14(8):645–54, 1974 (Eng. Abstr.) **(Ger)**

[Comparative study of the ultrastructural characteristics of Torulopsis candida yeasts grown on glucose and hexadecane] Tiurin VS, et al. **Mikrobiologiia** 44(3):481–4, May–Jun 75 (Eng. Abstr.) **(Rus)**

TORULOSIS see **CRYPTOCOCCOSIS**

TOSYL COMPOUNDS

The quantitation of glucosamine and galactosamine in glycoproteins after hydrolysis in p-toluenesulphonic acid. Allen AK, et al. **FEBS Lett** 60(1):76–80, 1 Dec 75

ANALYSIS

Mass spectra of some acyl tosylhydrazides. Attanasi O, et al. **Boll Chim Farm** 114(9):494–500, Sep 75

CHEMICAL SYNTHESIS

Synthesis of 2-pyridyl-alpha-toluenesulfonates as antimalarials. Hamer M, et al. **J Pharm Sci** 64(12):1961–4, Dec 75

PHARMACODYNAMICS

Studies on the mechanism of phosphorylation and transport of beta-galactosides by the lactose phosphotransferase system of Staphylococcus aureus. Kinetic investigations using tosyl galactosides as reversible dead-end inhibitors. Hays JB, et al. **Biochim Biophys Acta** 443(2):267–83, 16 Aug 76

Function and structure in ribonucleic acid phage Qbeta ribonucleic acid replicase. Effect of inhibitors of EF-Tu on ribonucleic acid synthesis and renaturation of active enzyme. Brown S, et al. **J Biol Chem** 251(9):2749–53, 10 May 76

Inhibition by 6-O-tosyl galactosides of beta-galactoside

phosphorylation and transport by the lactose phosphotransferase system of Staphylococcus aureus. Hays JB, et al. **J Biol Chem** 250(22):8834–9, 25 Nov 75

TOSYLARGININE METHYL ESTER see under **ARGININE**

TOSYLLYSINE CHLOROMETHYL KETONE see under **LYSINE**

TOSYLPHENYLALANYL CHLOROMETHYL KETONE see under **PHENYLALANINE**

TOTAL LUNG CAPACITY see under **LUNG VOLUME MEASUREMENTS**

TOUCH

Sensory reinforcement of eyeblink rate in a decorticate human. Deiker T, et al. **Am J Ment Defic** 80(6):665–7, May 76

Pattern of ipsilateral clinical extinction in brain-damaged patients. Gainotti G, et al. **Appl Neurophysiol** 38(2):115–25, 1975

Effects of floor textures on open-field behavior in selected lines of mice. Dixon LK, et al. **Behav Genet** 6(1):87–92, Jan 76

Information complexity and cross-modal functions. Freides D. **Br J Psychol** 66(3):283–7, Aug 75

Effects of tactual and phonological similarity on the recall of Braille letters by blind children. Millar S. **Br J Psychol** 66(2):193–201, May 75

Spatial memory by blind and sighted children. Millar S. **Br J Psychol** 66(4):449–59, Nov 75

Developmental differences in children's preferences for high- and low-arousing forms of contact stimulation. Weisberg P. **Child Dev** 46(4):975–9, Dec 75

Sensory mapping. Terzis JK. **Clin Plast Surg** 3(1):59–64, Jan 76

Quantitative assessment of oral tactile sensitivity in pre-term and term neonates, and comparison with adults. Thach BT, et al. **Dev Med Child Neurol** 18(2):204–12, Apr 76

The influence of early auditory experience on later auditory and tactual variation seeking in the rat. Hennessy MB, et al. **Dev Psychobiol** 9(3):255–60, May 76

Olfactory, thermal, and tactual influences on infantile ultrasonic vocalization in rats. Oswalt GL, et al. **Dev Psychobiol** 8(2):129–35, Mar 75

Oral sensory-perceptual integrity of stutterers. Jensen PJ, et al. **Folia Phoniatr (Basel)** 27(1):38–45, 1975

Passive and active lingual discrimination among deaf children. Weiss CE, et al. **Folia Phoniatr (Basel)** 27(5):393–8, 1975

Sensory deficits and behavioral deterioration in senescence. O'Neil PM, et al. **J Abnorm Psychol** 84(5):579–82, Oct 75

Tactile localization of sounds: acuity, tracking moving sources, and selective attention. Frost BJ, et al. **J Acoust Soc Am** 59(4):907–14, Apr 76

Modification of vocalizations of preschool deaf children by vibrotactile and visual displays. Goldstein MH Jr, et al. **J Acoust Soc Am** 59(6):1477–81, Jun 76

Cross-modal facilitation of response in behavioral audiometry with children. St. James-Roberts I. **J Am Audiol Soc** 1(3):119–25, Nov-Dec 75

Penile sensitivity, age, and sexual behavior. Edwards AE, et al. **J Clin Psychol** 32(3):697–700, Jul 76

The meanings of touch: sex differences. Nguyen T, et al. **J Commun** 25(3):92–103, Summer 75

Body accessibility revisited. Rosenfeld LB, et al. **J Commun** 26(3):27–30, Summer 76

Proxemics and tactility in Latin America. Shuter R. **J Commun** 26(3):46–52, Summer 76

The meanings of touch: geriatric nursing. Watson WH. **J Commun** 25(3):104–12, Summer 75

Effects of physical contact in an encounter group context. Dies RR, et al. **J Consult Clin Psychol** 44(3):400–5, Jun 76

Effects of visual and tactual stimulus presentation on learning two-choice patterned and semirandom sequences. Manning SK, et al. **J Exp Psychol [Hum Learn]** 1(6):736–44, Nov 75

A further examination of the developmental trend of the tactile horizontal-vertical illusion. Wong TS. **J Genet Psychol** 127(First Half):149–50, Sep 75

A discrepancy between two modes of haptic length perception. Hohmuth A, et al. **J Psychol** 92(first half):79–87, Jan 76

INDSCAL analysis of perceptual judgments for 24 consonants via visual, tactile, and visual-tactile inputs. Danhauer JL, et al. **J Speech Hear Res** 19(1):68–77, Mar 76

Differences between sinistrals' and dextrals' ability to infer a whole from its parts: a failure to replicate. Kutas M, et al. **Neuropsychologia** 13(4):455–64, Oct 75

Cross-modal matching in the rhesus monkey using a single pair of stimuli. Weiskrantz L, et al. **Neuropsychologia** 13(3):257–61, Sep 75

The history of the laying-on of hands in nursing. Zefron LJ. **Nurs Forum** 14(4):350–63, 1975

Alternative medicine: therapeutic touch. Krieger D. **Nurs Times** 72(15):572–4, 15 Apr 76

Are two hands better than one? assessing information acquired from one- and two-handed haptic exploration of random forms. Butter EJ, et al. **Percept Mot Skills** 43(1):115–20, Aug 76

Factors involved in visual capture. Fishkin SM, et al. **Percept Mot Skills** 40(2):427–34, Apr 75

Delay in retention of forms. Heller MA, et al. **Percept Mot Skills** 41(3):903–6, Dec 75

Numerosity discrimination of tactile stimuli. Posey TB, et al. **Percept Mot Skills** 42(2):671–4, Apr 76

A signal-detection determination of the two-point supraliminal difference limen on three different body areas. Washington DM, et al. **Percept Mot Skills** 43(1):195–201, Aug 76

Dominance of touch by vision: generalization of the hypothesis to a tactually experienced population. Power RP, et al. **Perception** 5(2):161–6, 1976

Clinging-going-in-search. A contrasting pair of instincts and their relation to sadism and masochism. Hermann I. **Psychoanal Q** 45(1):5–36, Jan 76

The structure of haptic space in the blind and sighted. Brambring M. **Psychol Res** 38(3):283–302, 10 Feb 76

Tactile short-term memory in relation to the two-point threshold. Murray DJ, et al. **Q J Exp Psychol** 27(2):303–12, May 75

The respective role of limb and eye movements in the haptic and visual Müller-Lyer illusion. Wong TS. **Q J Exp Psychol** 27(4):659–66, Nov 75

[Sources of mutual masking of tactile presented letters: interruption, summation or delay?] Schindler U, et al. **Psychol Res** 38(3):303–18, 10 Feb 76 (Eng. Abstr.) **(Ger)**

[Homolateral and controlateral disturbances in the tactile discrimination of the hemispheric lesions] Gainotti G, et al. **Riv Neurol** 45(3):339–52, Jul-Sep 75 (Eng. Abstr.) **(Ita)**

[Visuo-tactile scanning impairment following unilateral cerebral hemisphere lesions (author's transl)] Pagani C. **Riv Patol Nerv Ment** 95(5):745–51, Oct 74 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Differentiation of instrumental reflexes to tactile stimuli following dissection of the corpus callosum and a unilateral somatosensory cortex lesion. Dobrzecka C. **Act Nerv Super (Praha)** 18(1-2):123–5, Jun 76

Human evoked responses to potentially noxious tactile stimulation, i. Stowell H. **Act Nerv Super (Praha)** 17(1):1–7, Mar 75

The role of the medial lemniscal and spinocervicothalamic pathways on tactile reactions in cats. Liu CN, et al. **Acta Neurobiol Exp (Warsz)** 35(2):149–57, 1975

Central nervous structures participanting in the simple recognition of touch. Norrsell U. **Acta Neurobiol Exp (Warsz)** 35(5-6):707–14, 1975 (25 ref.)

Hand function and tactile perception in a sample of children with myelomeningocele. Grimm RA. **Am J Occup Ther** 30(4):234–40, Apr 76

Clinical vs quantitative evaluation of cutaneous sensation. Dyck PJ, et al. **Arch Neurol** 33(9):651–5, Sep 76

Electrophysiologic analysis of regional cortical maturation. Vaughan HG Jr. **Biol Psychiatry** 10(5):513–26, Oct 75

Intermanual transfer in the monkey as a function of amount of callosal sparing. Hunter M, et al. **Brain Res** 93(2):223–40, 8 Aug 75

Localization of function in corpus callosum: tactual information transmission in Macaca mulatta. Myers RE, et al. **Brain Res** 103(3):455–62, 27 Feb 76

The subfrontal lobe and touch learning in the octopus. Wells MJ, et al. **Brain Res** 92(1):103–21, 4 Jul 75

Variations in intra-oral stimulation and nutritive sucking. Christensen S, et al. **Child Dev** 47(2):539–42, Jun 76

Tactile-perceptual functioning in relation to intellectual, cognitive and reading skills in younger and older normal children. Alan M, et al. **Dev Med Child Neurol** 18(4):442–6, Aug 76

Effects of serial lesions of somatosensory cortex and further neodecortication on retention of a rough-smooth discrimination in rats. Finger S, et al. **Exp Brain Res** 25(2):183–97, 28 May 76

Effects of serial lesions of somatosensory cortex and further neodecortication on tactile retention in rats. Simons D, et al. **Exp Brain Res** 23(4):353–65, 24 Oct 75

Somesthetic effects of damage to cats' ventrobasal complex, medial lemniscus or posterior group. Glassman RB, et al. **Exp Neurol** 48(3 Pt 1):460–92, Sep 75

Effects of peripheral afferent stimulation on dorsal horn neurons in the chicken (Gallus domesticus). Holloway JA, et al. **Exp Neurol** 49(3):863–6, Dec 75

Topography of visual and somatosensory projections to mouse superior colliculus. Dräger UC, et al. **J Neurophysiol** 39(1):91–101, Jan 76

Comparison of visual and tactile learning in octopus after lesions to one of the two memory systems. Bradley EA, et al. **J Neurosci Res** 1(3-4):185–205, 1975

Proceedings: The relative sensitivity of glutamate and aspartate of cells in the ventrobasal thalamus of the rat which respond to movement of the vibrissae. Gent JP, et al. **J Physiol (Lond)** 256(1):39P–40P, Mar 76

Intermanual transfer of tactile training in the monkey: the effect of bilateral parieto-prestriate ablations. Hunter M, et al. **Neuropsychologia** 14(3):385–9, 1976

Tactile and visuo-spatial discrimination performance in the monkey: the effects of total and partial posterior parietal removals. Ridley RM, et al. **Neuropsychologia** 13(2):191–206, Apr 75

Tactile perception of direction in relation to handedness and familial handedness. Varney NR, et al. **Neuropsychologia** 13(4):449–54, Oct 75

Extra tactile stimulation of the premature infant. Kramer M, et al. **Nurs Res** 24(5):324–34, Sep-Oct 75

Why can't we tickle ourselves? Claxton G. **Percept Mot Skills** 41(1):335–8, Aug 75

Tactual illusions. Fry CL. **Percept Mot Skills** 40(3):955–60, Jun 75

Vibrotactile and temperature sensory interaction in the human tongue. Fucci D, et al. **Percept Mot Skills** 43(1):263–6, Aug 76

Lingual vibrotactile threshold alterations in response to varying stimulation levels of intensity and duration. Fucci DJ, et al. **Percept Mot Skills** 41(1):127–33, Aug 75

Comparison of the methods of limits and electrodermal response for determination of lingual vibrotactile thresholds. McCaffrey P, et al. **Percept Mot Skills** 42(1):175–80, Feb 76

Temporal summation effects on lingual vibrotactile thresholds. Telage KM, et al. **Percept Mot Skills** 42(3):859–64, Jun 76

Long-term deficits after somatosensory cortical lesions in rats. Finger S, et al. **Physiol Behav** 15(3):289–93, Sep 75

On the effect of electrical stimulation of the dorsal column system on sensory thresholds in patients with chronic pain. Lindblom U, et al. **Prog Brain Res** 43:237–41, 1976

Touch perception threshold in terms of amplitude and rate of skin deformation. Lindblom U. **Prog Brain Res** 43:233–6, 1976

Total suppression of irritable aggression in rats by sensory deprivation. Thor DH. **Psychol Rep** 37(2):432–4, Oct 75

An attempt to elicit cardiac orienting and defense responses in the newborn to two types of facial stimulation. Pomerleau-Malcuit A, et al. **Psychophysiology** 12(5):527–35, Sep 75

Cross-modal matching and the primate frontal cortex. Petrides M, et al. **Science** 192(4243):1023–4, 4 Jun 76

[Voice recognition by skin perception] Ifukube T. **Jpn J Med Electron** 14(1):70–1, Feb 76 **(Jpn)**

[Participation of the fibers of the lingual nerve in the transmission of mechanosensitive information from the tongue and oral cavity of the cat] Liubimova ZV, et al. **Biull Eksp Biol Med** 80(10):16–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Physiological interaction of vibrotactile and auditory reception] Krylov IuV. **Izv Akad Nauk SSSR [Biol]** (6):930–2, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Models of learning based on the plastic properties of the 'placing reaction' in cats] Kotliar BI, et al. **Zh Vyssh Nerv Deiat** 25(5):967–73, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The possible role of the heterogeneity of mollusc neuron membranes in the organization of receptive fields] Martinez-Soler R, et al. **Zh Vyssh Nerv Deiat** 26(2):433–5, Mar-Apr 76 **(Rus)**

TOURNIQUETS

Letter: Tourniquet test. Muckle TJ. **Am J Clin Pathol** 66(3):615–6, Sep 76

The tourniquet test as a diagnostic aid for the study of telangiectasia. Quick AJ. **Am J Clin Pathol** 65(2):199–205, Feb 76

Letter: A neonatal and infant phlebotomy tourniquet. Metreweli C. **Lancet** 2(7931):412, 30 Aug 75

[Studies after tourniquet ischemia. I. Behavior of thrombocyte count and fibrinogen after 3 hours tourniquet ischemia in the extremities in splenectomized and non-splenectomized dogs] Siebert H, et al. **Monatsschr Unfallheilkd** 78(12):551–7, Dec 75 (Eng. Abstr.) **(Ger)**

[Studies on tourniquet ischemia. II. The effect of the spleen and a fracture on blood cell aggregation, ATP content and free fatty acids after 3 hours tourniquet ischemia in the extremities of dogs] Siebert H, et al. **Monatsschr Unfallheilkd** 78(12):558–63, Dec 75 (Eng. Abstr.) **(Ger)**

[Importance of local changes of sodium and potassium metabolism for resistance of the body to tourniquet trauma] Peci-Povoić E. **Vojnosanit Pregl** 32(6):662–4, Nov-Dec 75 **(Ser)**

[Effect of 6-hydroxydopamine on catecholamine contents in tissue of rats subjected to tourniquet trauma] Vujnov S. **Vojnosanit Pregl** 32(5):550–4, Sep-Oct 75 (Eng. Abstr.) **(Ser)**

ADVERSE EFFECTS

Creatine phosphokinase release as a measure of tourniquet effect on skeletal muscle. Chiu D, et al. **Arch Surg** 111(1):71–4, Jan 76

Circulating thyroid hormone concentrations and posture and venous compression. Judd SJ, et al. **Br Med J** 4(5999):735–6, 27 Dec 75

Oedema of the hand after fasciectomy with or without tourniquet. Ward CM. **Hand** 8(2):179–85, Jun 76

The risk of deep-vein thrombosis after operations on a bloodless lower limb. A venographic study. Kroese AJ, et al. **Injury** 7(4):271–3, May 76

Letter: Incompressible vessels. Klenerman L, et al. **Lancet** 1(7963):811–2, 10 Apr 76

[Electromyographic changes in temporary tourniquet ischemia in man] Karpf M, et al.

Langenbecks Arch Chir Suppl:377–81, 1975 (Eng. Abstr.) **(Ger)**

[Fibrinogen metabolism and distribution in tourniquet–trauma] Nolte W–H, et al. **Langenbecks Arch Chir** Suppl:203–5, 1975 (Eng. Abstr.) **(Ger)**

[Controlled hypothermia of ischemic extremities for the prevention of tourniquet shock] Stock W, et al. **Langenbecks Arch Chir** Suppl:207–12, 1975 (Eng. Abstr.) **(Ger)**

[The tourniquet–syndrome—a severe complication after embolectomy of saddle embolism (author's transl)] Stock W, et al. **Thoraxchirurgie** 23(4):324–9, Aug 75 (Eng. Abstr.) **(Ger)**

[Ischemic disorders in the extremity from tourniqueting, prolonged crushing and amputation] Kutin AA, et al. **Vestn Akad Med Nauk SSSR** (7):31–5, 1975 (Eng. Abstr.) **(Rus)**

METHODS

Persisting reactive hyperemia (PRH) in the treatment of arterial insufficiency. Acevedo A, et al. **J Cardiovasc Surg (Torino)** Spec No:433–6, 1973

TOWN PLANNING see **CITY PLANNING**

TOXAPHENE see under **INSECTICIDES, ORGANOCHLORINE**

TOXASCARIASIS see under **ASCARIASIS**

TOXEMIA

see related
PREGNANCY TOXEMIAS

[Editorial: Acute hyperpyretic toxicosis and hypernatremic dehydration] Stalder G. **Helv Paediatr Acta** 30(6):453–7, Apr 76 **(Ger)**

BLOOD

Granulocyte function in experimental human endotoxemia. Territo MC, et al. **Blood** 47(4):539–44, Apr 76

DIET THERAPY

[Enteral feeding via tube in thermal burns in childhood during the shock and toxinfection phases] Misheva L. **Khirurgiia (Sofiia)** 28(3):214–8, 1975 (Eng. Abstr.) **(Bul)**

DRUG THERAPY

[Effectiveness of mannitol in the treatment of patients with severe intoxication] Kushch NL, et al. **Khirurgiia (Mosk)** (7):87–90, Jun 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The cytotoxicity of plasma from patients with acute hepatic failure to isolated rabbit hepatocytes. Hughes RD, et al. **Br J Exp Pathol** 57(3):348–53, Jun 76

[Enterobacteria and endotoxins in abdominal surgical pathology. Critical review and clinico–experimental studies] Fumarola D, et al. **Minerva Chir** 30(20):1040–8, 31 Oct 75 (Eng. Abstr.) **(Ita)**

[Case of toxemic compression–position syndrome] Khokholia VP, et al. **Klin Khir** (9):62–3, 1975 **(Rus)**

[Role of reactivity in the etiology of toxic and septic conditions in young children] Matveev MP, et al. **Pediatriia** (11):12–8, Nov 75 **(Rus)**

MICROBIOLOGY

[Bacteria and toxic properties of blood in leukemia] Osechenskaia GV, et al. **Probl Gematol Pereliv Krovi** 20(2):20–5, Feb 75 (Eng. Abstr.) **(Rus)**

THERAPY

[Use of native serum in postresuscitation toxemia] Shikunova LG, et al. **Probl Gematol Pereliv Krovi** 21(2):51–2, Feb 76 (Eng. Abstr.) **(Rus)**

TOXICOLOGY

see related
POISONS

Editorial: Toxic substances control legislation. Tice LF. **Am J Pharm** 147(6):159–60, Nov–Dec 75

Modes of action of toxic agents. Maynert EW, et al. **Ann Clin Lab Sci** 6(4):322–31, Jul–Aug 76

Error and artefact in post mortem toxicological analysis. Wootton DG. **Aviat Space Environ Med** 46(10):1280–3, Oct 75

Biorhythms in toxicology and pharmacology. I. Generalities, ultradian and circadian biorhythms. Stupfel M. **Biomedicine** 22(1):18–24, Jan 75

The analysis of binary responses from toxicological experiments involving reproduction and teratogenicity. Williams DA. **Biometrics** 31(4):949–52, Dec 75

Assessing hazards from prolonged and repeated exposure to low doses of toxic substances. Barnes JM. **Br Med Bull** 31(3):196–200, Sep 75

Some remaining problems in the reproductive toxicity testing of drugs. Berry CL, et al. **Br Med Bull** 32(1):34–8, Jan 76

Problems in extrapolating toxicity data for laboratory animals to man. Dixon RL. **Environ Health Perspect** 13:43–50, Feb 76

Perspective on chemicals and health. Eckardt R. **Environ Health Perspect** 11:221–2, Jun 75

Physiological and toxicological aspects of smoke produced during the combustion of polymeric materials. Einhorn IN. **Environ Health Perspect** 11:163–89, Jun 75

Editorial: Considerations of risks versus benefits. Falk HL. **Environ Health Perspect** 11:1–5, Jun 75

Extrapolation of experimental data from animals to man. Krasovskii GN. **Environ Health Perspect** 13:51–8, Feb 76

Public health implications of components of plastics manufacture. Emerging concepts of regulation. Samuels SW. **Environ Health Perspect** 11:223–4, Jun 75

Special problems of toxicology in the environmental field. Bär F. **Environ Qual Saf** 4:253–60, 1975

Benefit of risk evaluations in modern toxicology. Coulston F. **Environ Qual Saf** 4:194–9, 1975

Some mansions of toxicology. Wills JH. **Environ Qual Saf** 4:239–45, 1975

Relationships among activity coefficients, partition coefficients and solubilities. Boček K. **Experientia** suppl 23:231–40, 1976

Correlation between physico–chemical properties of chemical compounds and indices of their toxic action: use for prediction. Filov VA. **Experientia** suppl 23:99–113, 1976

A case for using inbred strains of labroatory animals in evaluating the safety of drugs. Festing MF. **Food Cosmet Toxicol** 13(3):369–75, Jun 75 (40 ref.)

From aniatrotoxicosis and aniatrosepsis toward chronotherapy. Introductory remarks to the 1974 Capri symposium on: timing and toxicity: the necessity for relating treatment to bodily rhythms. Tempus non solum dosis venenum facit. pp. 1–40. Halberg F. **In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.**

Advances in the evaluation of drug effects on mammalian embryos performed with a biochemical screening system. pp. 614–45. Krowke R, et al. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Relevance of street drug analyses in the forensic laboratory to clinical toxicology of drug abuse. pp. 203–17. Zabik JE, et al. **In: Singh JM, Lal H, ed. Drug addiction. Vol 4: New aspects of analytical and clinical toxicology. New York, Stratton, 1974. W3 IN917KC 1973d.**

The biology of the guinea pig. Toxicology and teratology. pp. 269–80. Hoar RM. **In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.**

This is veterinary toxicology. pp. 11–26. Oehme FW. **In: Winek CL, ed. Toxicology annual 1974. New York, Dekker, 1975. W1 TO95BE.** (16 ref.)

Biological parameters and the acute LD50 test. Sperling F, et al. **J Assoc Off Anal Chem** 59(4):734–6, Jul 76

The toxicology data bank. Oxman MA, et al. **J Chem Inf Comput Sci** 16(1):19–21, Feb 76

The molecular basis of drug toxicity. Paton WD. **J Clin Pathol [Suppl]** (9):1–6, 1975

Nonscientific commentary. Pharmacokinetics and pharmacokinetic toxicity. Lemberger AP. **J Pharmacokinet Biopharm** 3(3):219–22, Jun 75

Estimation of risks of irreversible, delayed toxicity. Hoel DG, et al. **J Toxicol Environ Health** 1(1):133–51, Sep 75 (29 ref.)

Dangers of drug toxicity due to overdosage in South East Asia. Salafsky B. **J Trop Med Hyg** 79(3):49–53, Mar 76

The influence of environments on the toxicity of drugs. Aryne MS, et al. **JPMA** 25(10):289–91, Oct 75

The influence of environments on the toxicity of drugs. Aryne MS, et al. **JPMA** 25(10):289–91, Oct 75

Advances in animal care technology at the National Center for Toxicological Research. Cranmer MF. **Lab Anim Sci** 26(2 Pt 2):355–73, Apr 76

Advances in automation for experimental pathology. Frith CH, et al. **Lab Anim Sci** 26(2 Pt 1):171–85, Apr 76

The use of radioisotope methods in pharmacologic and toxicologic studies. Mazur M, et al. **Mater Med Pol** 7(4):266–8, Oct–Dec 75 (19 ref.)

A capsule dose of toxicology. Montgomery RR, et al. **Occup Health Nurs (NY)** 24(5):7–16, May 76

Sweden attacks toxic substances. **Occup Health Saf** 45(2):44–8, Mar–Apr 76

State of the art of the toxicological evaluation carried out by the Joint FAO/WHO Expert Committee on Pesticide Residues. I. Organohalogenated pesticides used in public health and agriculture. Vettorazzi G. **Residue Rev** 56:107–34, 1975 (29 ref.)

Biological criteria for selected industrial toxic chemicals: a review. Lauwerys R. **Scand J Work Environ Health** 1(3):139–72, Sep 75 (373 ref.)

Toxic response as a quantitative function of body size. Anderson PD, et al. **Toxicol Appl Pharmacol** 33(3):471–83, Sep 75

Evaluation of dependence liability and dependence potential of drugs. Report of a WHO Scientific Group. **WHO Tech Rep Ser** (577):1–50, 1975

[Toxicological problems of environmental protection] Sarić M. **Arh Hig Rada Toksikol** 26(4):297–307, 1975 **(Cro)**

[Use of gas chromatography—mass spectrometry in toxicology] Chundela B, et al. **Soud Lek** 20(2):17–25, May 75 (Eng. Abstr.) **(Cze)**

[Identification of organic substances by means of spectral methods in forensic toxicological analysis. II. Nuclear magnetic resonance] Smysl B. **Soud Lek** 20(2):26–31, May 75 (Eng. Abstr.) **(Cze)**

[Contributions and limits of classical toxicology] Jouany JM. **Ann Nutr Aliment** 28(4):207–17, 1974 (Eng. Abstr.) **(Fre)**

[Metabolic aspects of food safety: metabolic toxicology] Trémolières J. **Ann Nutr Aliment** 28(4):199–206, 1974 **(Fre)**

[Emergency toxicology: analytic protocol applicable to biolobic media in tentative autolysis] Flouvat B, et al. **Eur J Toxicol Environ Hyg** 8(5):305–18, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[The dangers of the chemical era] Truhaut R. **J Pharm Belg** 31(2):117–38, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Toxicity caused by so–called reactive metabolites of drugs] Pessayre D, et al. **Nouv Presse Med** 5(18):1201–4, 1 May 76 (17 ref.) **(Fre)**

[Toxicity and pharmacodynamics of drugs in older animals] Brunaud M. **Therapie** 30(3):321–9, May–Jun 75 (35 ref.) (Eng. Abstr.) **(Fre)**

[Documentation of chemical–toxicological findings] Schmidt G. **Arch Kriminol** 156(5–6):153–9, Nov–Dec 75 **(Ger)**

[Preclinical research—toxicology] Frohberg H. **Arzneim Forsch** 25(7a):1101–10, Jul 75 (Eng. Abstr.) **(Ger)**

[Effectiveness and safety of drugs from the viewpoint of the Drug Commission] Homann G. **Arzneim Forsch** 25(7a):1220–3, Jul 75 (Eng. Abstr.) **(Ger)**

[Importance and duites of toxicology at a time of social changed (author's transl)] Ohnesorge FK. **Oeff Gesundheitswes** 37(11):726–31, Nov 75 (Eng. Abstr.) **(Ger)**

[Mutagenicity testing. A new problem for experimental toxicology] Machemer L. **Ther Ggw** 115(5):832–62, May 76 **(Ger)**

[Classification of chemical substance based on toxicity] Schmidt P, et al. **Z Aerztl Fortbild (Jena)** 70(2):53–9, 15 Jan 76 **(Ger)**

[Electrophoresis and other protein–biochemical separation methods in occupational medicine. A survey of the literature from 1951 to 1970] Franzen E. **Z Gesamte Hyg** 21(7):517–23, Jul 75 (Eng. Abstr.) **(Ger)**

[The use of combined spectroscopy in analytical toxicology (author's transl)] Bäumler J, et al. **Z Rechtsmed** 76(3):159–86, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Age–characteristic adverse effects of drugs in early infancy] Gädeke R. **ZFA (Stuttgart)** 52(21):1087–90, 31 Jul 76 **(Ger)**

[The work at the Toxicology Laboratory of the Institute for Forensic Medicine] Bellus E. **Morphol Igazsagugyi Orv Sz** 16(2):117–9, Apr 76 **(Hun)**

[General systematic chemico–toxicological research in forensic toxicology. I. Considerations on the gas–chromatographic test in the general chemico–toxicological research] Marozzi E, et al. **Farmaco [Prat]** 31(4):180–211, Apr 76 (Eng. Abstr.) **(Ita)**

[Generic chemico–toxicological research in forensic toxicology. II. Considerations on the use of indices of retention and of delta I R in the methods of the gas–chromatographic test] Marozzi E, et al. **Farmaco [Prat]** 31(5):253–63, May 76 (Eng. Abstr.) **(Ita)**

[Mutagenic activity of medical preparations and food additives in human lymphocyte cultures] Zhurkov VS. **Genetika** 11(4):146–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Toxicity of chemical substances by various routes of entry into the body] Rumiantsev GI, et al. **Gig Sanit** (2):25–7, Feb 75 (Eng. Abstr.) **(Rus)**

[Cumulative properties and gonadotoxic action of chemical substances] Shtabskii BM. **Gig Sanit** (1):82–4, Jan 76 **(Rus)**

[Role of toxicological research in establishing a rational work regimen in the chemical industry] Girtsevskii MA, et al. **Gig Tr Prof Zabol** (9):10–3, Sep 74 (Eng. Abstr.) **(Rus)**

[Ototoxicity of some drug agents] Iaroshevich VI. **Voen Med Zh** (10):31–4, Oct 75 **(Rus)**

[Role of the toxicologist in the medical battalion in preventing poisonings by technical liquids] Umrikhin LA, et al. **Voen Med Zh** (6):77–8, Jun 76 **(Rus)**

EDUCATION

A training program in bioanalytical toxicology. Kochhar MM, et al. **Clin Toxicol** 8(3):333–6, 1975

Teaching toxicology as a basic medical science. Gralla EJ. **J Med Educ** 51(2):115–8, Feb 76

[Use of an impersonal teaching program in the field of pharmacology and toxicology] Hellenbrecht D, et al. **Med Welt** 26(44):2027–31, 31 Oct 75 **(Ger)**

[Teaching industrial toxicology as the most important part of the training of sanitary–industrial physicians] Nemirovskii ON. **Gig Tr Prof Zabol** (11):43–4, Nov 75 **(Rus)**

HISTORY

In Memoriam Paul R. Saunders. **Toxicon** 13(5):305, Nov 75

[The work of Doctor Jacques Trivas: 2 cases of poisoning in the Parthenay area (1886–1868)] Dérobert L. **Med Leg Dommage Corpor** 7(4):301–2, Oct–Dec 74 **(Fre)**

INSTRUMENTATION

New apparatus and method for the toxicological investigation of metered aerosols in rats. Muacevic G.
Arch Toxicol (Berl) 34(1):1–8, 5 Sep 75

[The value of the mass spectrometer for forensic toxicology] Langenbeck U. **Beitr Gerichtl Med** 33:182–4, 1975 (Eng. Abstr.) **(Ger)**

METHODS

Cell models in the study of mechanisms of toxicity. Walton JR, et al. **Agents Actions** 5(1):69–88, Feb 75

Potential of direct application techniques for detection of teratogens. pp. 71–81. Staples RE.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

The determination of drugs in biologic specimens: a review. pp. 175–92. Wallace JE, et al.
In: Singh JM, Lal H, ed. Drug addiction. Vol 4: New aspects of analytical and clinical toxicology. New York, Stratton, 1974. W3 IN917KC 1973d.

Extraction procedures for some common drugs in clinical and forensic toxicology. Hackett LP, et al.
J Forensic Sci 21(2):263–74, Apr 76

[Methods for study and significance of distribution of toxins in multicellular organisms] Cohen Y. **Ann Nutr Aliment** 28(4):249–76, 1974 (31 ref.) (Eng. Abstr.) **(Fre)**

[Contribution and limits of biochemical methods] Derache R, et al. **Ann Nutr Aliment** 28(4):233–41, 1974 (12 ref.) (Eng. Abstr.) **(Fre)**

[Program for the testing of chemical–industry products for dermal and percutaneous toxicity] Heise H, et al.
Dermatol Monatsschr 161(12):1010–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Usefulness of enzymatic studies in clinical toxicology] Bogusz M. **Pol Tyg Lek** 30(48):2021–3, 1 Dec 75 (27 ref.) **(Pol)**

[Method of determining the class of hazard from the vapors of toxic industrial liquids] Kurliandskiĭ BA, et al.
Gig Sanit (2):90–2, Feb 75 **(Rus)**

[Some peculiarities of the hygienic interpretation of the parameters of toxicometry (response to the article by E. I. Liublina and M.I. Mikheev)] Kurliandskiĭ BA.
Gig Sanit (11):94–5, Nov 75 **(Rus)**

[Use of dispersion analysis for standardizing the conditions of a toxicological experiment] Ershova EA, et al.
Gig Tr Prof Zabol (7):52–4, Jul 75 **(Rus)**

[Methods and results of evaluating the activity of the heart in experimental metal poisonings] Tomilina LA, et al.
Gig Tr Prof Zabol (5):52–3, May 74 **(Rus)**

[Comparative evaluation of a method of integral rheography applied to a toxicological experiment] Verich GE.
Gig Tr Prof Zabol (9):59–61, Sep 75 **(Rus)**

STANDARDS

[Toxicological analysis: test studies VI] Machata G.
Beitr Gerichtl Med 33:228–9, 1975 (Eng. Abstr.) **(Ger)**

TOXIFERINE

ANALOGS & DERIVATIVES

[Dosage of diallyl–nor–toxiferine calculated on the basis of lean body mass] Yamayoshi S, et al. **Jpn J Anesthesiol** 25(2):120–6, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

[Alcuronium (clinical experience with about 500 cases)] Cristea H, et al. **Rev Chir [Chir]** 23(7):641–8, Jul–Aug 74 (Eng. Abstr.) **(Rum)**

TOXICITY

Dose–response data for toxiferine dichloride in monkeys and guinea pigs. Rosato RR, et al. **Toxicol Appl Pharmacol** 35(1):107–11, Jan 76

TOXINS

Structure and specificity of gangliosides. Wiegandt H.
Adv Exp Med Biol 71(00):3–14, 1976

The problem of species variations. Smith RL.
Ann Nutr Aliment 28(4):335–49, 1974 (19 ref.)

Isolation and characterization of toxins from brown recluse spider venom (Loxosceles reclusa). Geren CR, et al.
Arch Biochem Biophys 174(1):90–9, May 76

Lysis of erythrocytes by sepharose–staphylococcal delta toxin complex. Lee SH, et al.
Biochem Biophys Res Commun 68(4):1116–8, 23 Feb 76

On the subunit structure of crotoxin: hydrodynamic and shape properties of crotoxin, phospholipase A and crotapotin. Paradies HH, et al.
Biochem Biophys Res Commun 66(2):496–504, 16 Sep 75

Phaseotoxin A: an antimetabolite from Pseudomonas phaseolicola. Patil SS, et al.
Biochem Biophys Res Commun 69(4):1019–27, 19 Apr 76

Iodination of a tyrosyl residue in staphylococcal alpha–toxin. Cassidy P, et al. **Biochemistry** 15(11):2342–8, 1 Jun 76

The arrangement of subunits in cholera toxin. Gill DM.
Biochemistry 15(6):1242–8, 23 Mar 76

Structure–function relationships of scorpion neurotoxins. Habersetzer–Rochat C, et al. **Biochemistry** 15(11):2254–61, 1 Jun 76

Phosphorylation of the active, A1 component of cholera toxin by protein kinase. Rosen OM. **Biochemistry** 15(13):2902–5, 29 Jun 76

purified Grasso A. **Biochim Biophys Acta** 439(2):406–12, 9 Aug 76

Properties of cholera toxin– and NaF–stimulated adenylate cyclase from mouse thymocytes. Petrella VJ, et al.
Biochim Biophys Acta 421(2):237–45, 24 Feb 76

The cytotoxicity of plasma from patients with acute hepatic failure to isolated rabbit hepatocytes. Hughes RD, et al.
Br J Exp Pathol 57(3):348–53, Jun 76

Studies on the mechanism of toxicity and of development of tolerance to the pulmonary toxin, alpha–naphthylthiourea (ANTU). Boyd MR, et al.
Drug Metab Dispos 4(4):314–22, Jul–Aug 76

Taxonomic difficulties in red tide and paralytic shellfish poison studies: the 'tamarensis complex' of Gonyaulax. Taylor FJ. **Environ Lett** 9(2):103–19, 1975

Snake venom toxins. The amino–acid sequences of three toxins (CM–8, CM–11 and CM–13a) from Naja haje annulifera (Egyptian cobra) venom. Joubert FJ.
Eur J Biochem 64(1):219–32, 15 Apr 76

Action of Bacillus thuringiensis preparation against larch bud moth, Zeiraphera diniana (Gn.), enhanced by beta–exotoxin and DDT. Benz G. **Experientia** 31(11):1288–90, 15 Nov 75

Structural properties of toxin II of sea anemone (Anemone sulcata) determined by laser Raman spectroscopy. Prescott B, et al. **FEBS Lett** 64(1):144–7, 15 Apr 76

Pseudomonas aeruginosa exotoxin: purification by preparative polyacrylamide gel electrophoresis and the development of a highly specific antitoxin serum. Callahan LT 3d. **Infect Immun** 14(1):55–61, Jul 76

Effect of fatty acids on Staphylococcus aureus delta–toxin hemolytic activity. Kapral FA. **Infect Immun** 13(1):114–9, Jan 76

Pathogenicity factors of mycoplasmas. Bredt W. **Infection** 4(1 SUPPL):9–12, 1976 (21 ref.)

Amino acid sequence of a presynaptic neurotoxin from the venom of Notechis scutatus scutatus (Australian tiger snake). Halpert J, et al. **J Biol Chem** 250(17):6990–7, 10 Sep 75

Purification and characterization of a new family of polypeptide neurotoxins from the heteronemertine Cerebratulus lacteus (Leidy). Kem WR. **J Biol Chem** 251(14):4184–92, 25 Jul 76

Use of horseradish peroxidase to study the antagonism of Clostridium welchii (Cl. perfringens) type D epsilon toxin in mice by the formalinized epsilon prototoxin. Buxton D.
J Comp Pathol 86(1):67–72, Jan 76

Protein reagent modification of cholera toxin: characterization of effects on antigenic, receptor–binding and toxic properties. Lönnroth I, et al.
J Gen Microbiol 91(2):263–77, Dec 75

Staphylococcal toxic epidermal necrolysis: pathogenesis and studies on the subcellular site of action of exfoliatin. Elias PM, et al. **J Invest Dermatol** 65(6):501–12, Dec 75

Letter: Isolation of a lethal toxic fragment from staphylococcal alpha toxin by means of trypsin digestion. Watanabe M, et al. **Jpn J Exp Med** 46(2):145–7, Apr 76

Proceedings: Serological and immunological studies on exfoliatin A and B. Kondo I, et al. **Jpn J Med Sci Biol** 28(5–6):295–8, Oct–Dec 75

Proceedings: Physicochemical properties of staphylococcal exfoiatin A and B. Sakurai S, et al.
Jpn J Med Sci Biol 28(5–6):293–5, Oct–Dec 75

Neurotoxic substances. Le Quesne PM.
Mod Trends Neurol 6:83–97, 1975 (67 ref.)

Interaction of cholera toxin and membrane GM1 ganglioside of small intestine. Holmgren J, et al.
Proc Natl Acad Sci USA 72(7):2520–4, Jul 75

Uptake of fluorochrome–labelled exotoxins by different cell types in culture. Paradisi F, et al. **Ric Clin Lab** 5(1):49–58, Jan–Mar 75

Experimental evidence for a significant impairment of host defense for gram–negative organisms by a specific cutaneous toxin produced by severe burn injuries. Schoenenberger GA, et al. **Surg Gynecol Obstet** 141(4):555–61, Oct 75

Isolation of a neurotoxin with A presynaptic action from the venom of the black widow spider (Latrodectus mactans, Fabr.). Ornberg RL, et al. **Toxicon** 14(4):329–33, 1976

Characterization of a 1100–1300 MW uremic neurotoxin. Funck–Brentano JL, et al.
Trans Am Soc Artif Intern Organs 22:163–7, 1976

[Methods for study and significance of distribution of toxins in multicellular organisms] Cohen Y. **Ann Nutr Aliment** 28(4):249–76, 1974 (31 ref.) (Eng. Abstr.) **(Fre)**

[Contribution and limits of biochemical methods] Derache R, et al. **Ann Nutr Aliment** 28(4):233–41, 1974 (12 ref.) (Eng. Abstr.) **(Fre)**

[Contribution and limits of physiological technics in the evaluation of risk of toxicity] Mitjavila S.
Ann Nutr Aliment 28(4):219–32, 1974 (23 ref.) (Eng. Abstr.) **(Fre)**

[Nutritional factors and toxicity: suggested applications to the methodology of studies in food toxicology] Suschetet M, et al. **Ann Nutr Aliment** 28(4):307–16, 1974 (35 ref.) (Eng. Abstr.) **(Fre)**

[Effect of trypsin and of the injection, technic on the immunogenic action of toxins from Clostridium perfringens types D and E] Katsaras K.
Berl Munch Tieraerztl Wochenschr 88(7):127–30, 1 Apr 75 (Eng. Abstr.) **(Ger)**

[Inter– and intraspecific relationship between bacterial hemolysins. III. Identification of masked toxins in the exotoxin complex of Staphylococcus pyogenes und Cl. perfringens; significance of their existence for clarifying of the masking mechanism] Marica D, et al.
Zentralbl Veterinaermed [B] 22(4):335–43, Jun 75 (Eng. Abstr.) **(Ger)**

[Electron microscopic observation of cholera toxin molecules] Kaminaka H, et al. **Jpn J Bacteriol** 30(1):138, Jan 75 **(Jpn)**

[Coordination of lymphocyte enzyme systems and resistance of mice to the action of staphylococcus toxin] Katosova LK, et al. **Biull Eksp Biol Med** 79(6):74–6, Jun 75 (Eng. Abstr.) **(Rus)**

[Ischemic toxin] Kruk IN. **Ortop Travmatol Protez** (9):31–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Sensitizing activity of radiotoxins of plant origin] Kuzin AM, et al. **Radiobiologiia** 15(6):875–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Potentiometric study of natural phenol quinones—radiotoxin analogs] Stom DI. **Radiobiologiia** 16(1):110–2, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Susceptibility of cell cultures and laboratory animals to anaerobe toxins] Saidov US. **Veterinariia** (2):44–6, Feb 75 **(Rus)**

[Patterns in the body's immune response to administration of El Tor vibrio cholera toxin to experimental animals] Korovkina GV, et al.
Zh Mikrobiol Epidemiol Immunobiol (1):30–4, Jan 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Dynamics of the morphological changes to the intramuscular administration of Cl. oedematiens toxin] Egoshin IS, et al.
Veterinariia (11):35–7, Nov 75 **(Rus)**

ADVERSE EFFECTS

[Transmission and scanning electron microscopy studies of a specific burn toxin and its effect on the mouse liver following sublethal burns] Kremer B, et al.
Verh Dtsch Ges Pathol 59:581, 1975 **(Ger)**

ANALYSIS

The complex toxic components of the Russell's viper venom. Bolar HV, et al. **Biochem Biophys Res Commun** 70(2):573–7, 17 May 76

Gradient, polyacrylamide gel electrophoresis of proteins from cytotoxic mycoplasma membranes. Gabridge MG, et al. **Biochem Biophys Res Commun** 70(1):271–9, 3 May 76

Studies on the status of disulfide linkages and tyrosine residues in cardiotoxin. Keung WM, et al.
Biochem Biophys Res Commun 66(1):383–92, 2 Sep 75

Location and the primary structure around the disulfide bonds in cholera toxin. Mendez E, et al.
Biochem Biophys Res Commun 67(4):1435–43, 15 Dec 75

Presence of four toxins in red tide infested clams and cultured Gonyaulax tamarensis cells. Shimizu Y, et al.
Biochem Biophys Res Commun 66(2):731–7, 16 Sep 75

Isolation, properties and amino acid sequences of three neurotoxins from the venom of a sea snake, Aipysurus laevis. Maeda N, et al. **Biochem J** 153(1):79–87, 1 Jan 76

Studies on epsilon–prototoxin of Clostridium perfringens type D. Physicochemical and chemical properties of epsilon–prototoxin. Habeeb AF. **Biochim Biophys Acta** 412(1):62–9, 18 Nov 75

Occurrence of natural toxins in food. Crampton RF, et al.
Br Med Bull 31(3):209–13, Sep 75

Poisonous red tide organisms. Schantz EJ. **Environ Lett** 9(3):225–37, 1975

Lack of secondary intoxification by red tide poison in the American lobster Homarus americanus. Yentsch CM, et al. **Environ Lett** 9(3):249–54, 1975

Studies of the subunit structure of choleragen. Sattler J, et al. **Eur J Biochem** 57(1):309–16, 1 Sep 75

Identification of lethal toxin with the thermostable direct hemolysin produced by Vibrio parahaemolyticus, and some physicochemical properties of the purified toxin. Honda T, et al. **Infect Immun** 13(1):133–9, Jan 76

Search for low–energy conformations of a neurotoxic protein by means of predictive rules, tests for hard–sphere overlaps, and energy minimization. Gabel D, et al.
Int J Pept Protein Res 8(3):237–52, 1976

Laser Raman spectroscopy of snake venom neurotoxins: conformation. Tu AT, et al. **Int J Pept Protein Res** 8(4):337–43, 1976

Hymenovin. major toxic constituent of Western bitterweed (Hymenoxys odorata DC.) Ivie GW, et al.
J Agric Food Chem 23(5):841–5, Sep–Oct 75

Determination of bergapten in fragrance preparations by thin layer chromatography and spectrophotofluorometry. Wisneski HH. **J Assoc Off Anal Chem** 59(3):547–51, May 76

Qualitative and quantitative methods for detecting staphylococcal epidermolytic toxin. Arbuthnott JP, et al.
J Med Microbiol 9(2):191–201, May 76

Some toxic, physical and chemical properties of the oral secretion of the sand tampan, Ornithodoros savignyl Audouin (1827). Howell CJ, et al.
Onderstepoort J Vet Res 42(3):99–102, Sep 75

Middle molecules in uraemia. Fürst P, et al.
Proc Eur Dial Transplant Assoc 11:417–26, 1975

[Ciguatoxin and edible reef fishes] Bagnis R, et al.
Bull Soc Pathol Exot 68(3):320–5, May–Jun 75 **(Fre)**

[Infrared spectrophotometry of culture broth and toxins of

enteropathogenic strains of Escherichia coli] Parnas J. **Arch Exp Veterinaermed** 29(1):63–71, 1975 (Eng. Abstr.) **(Ger)**

[Thermomicroscopic identification of disease toxins] Kuhnert–Brandstätter M, et al. **Pharm Acta Helv** 50(11):360–72, 1975 **(Ger)**

[Studies on intra- and interspecies relationships of bacterial hemolysins. 1. Identification of marked and masking toxin relationships of Cl. perfringens. Efficiency of the serum–unmasking test for the diagnosis of the classical C–subtype] Marica D, et al. **Zentralbl Veterinaermed [B]** 22(3):196–204, Apr 75 (Eng. Abstr.) **(Ger)**

[Studies on the constituents of the leaves of Pieris japonica D. don. IV. The isolation and the structure of pieristoxin F, pieristoxin G and several toxic components (author's transl)] Katai M, et al. **J Pharm Soc Jpn** 95(7):778–83, Jul 75 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of cholera toxin – use of cultured tumor cells and their mutants] Nozawa T, et al. **Jpn J Bacteriol** 30(1):230, Jan 75 **(Jpn)**

[Determination of choleragen activity in tadpoles] Ermol'eva EV, et al. **Biull Eksp Biol Med** 80(11):57–60, Nov 75 **(Rus)**

BIOSYNTHESIS

The pathogenicity of Spiroplasma citri. pp. 195–200. Daniels MJ, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Production, purification, and chemical characterization of Staphylococcus aureus exfoliative toxin. Johnson AD, et al. **Infect Immun** 12(5):1206–10, Nov 75

Phage group II staphylococcal strains with chromosomal and extrachromosomal genes for exfoliative toxin production. Rogolsky M, et al. **Infect Immun** 13(1):44–52, Jan 76

Two serotypes of exfoliatin and their distribution in staphylococcal strains isolated from patients with scalded skin syndrome. Kondo I, et al. **J Clin Microbiol** 1(5):397–400, May 75

[PR–Toxin–production of Penicillium roqueforti–Strains (author's transl)] Orth R. **Z Lebensm Unters Forsch** 160(2):131–6, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Report of 'lethal factor' synthetized by Bacillus cereus (author's transl)] Balacescu C. **Zentralbl Bakteriol [Orig B]** 161(2):178–87, Oct 75 (Eng. Abstr.) **(Ger)**

[Staphylococcal TEN. Conditions for exfoliative toxin production] Shioda H, et al. **Jpn J Bacteriol** 30(1):147, Jan 75 **(Jpn)**

[Toxic properties of Burnet's rickettsiá] Amosenkova NI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:38–47, 1973 **(Rus)**

[Study of toxin from burned skin] Movshev BE, et al. **Vopr Med Khim** 21(6):633–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Toxin B and A production by beta–hemolytic streptococci isolated from scarlet fever patients] Cherkasskaia RS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):53–7, May 75 (Eng. Abstr.) **(Rus)**

[Study of the ultrastructure of various representatives of the genus Vibrio in relation to toxicogenesis] Andrusenko IT, et al. **Med Educ** 38(2):201–4, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Study of the toxigenic properties of a mixture of the S– and R–forms of Clostridium perfringens 28 (BP6K)] Kalinichenko NF, et al. **Med Educ** 38(2):197–200, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Problems of toxin formation in blue–green algae] Andriiuk KI, et al. **Mikrobiol Zh** 37(1):67–72, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

BLOOD

Chemical analytic approaches to the definition of uremic toxins. Furst P, et al. **Ateneo Parmense [Acta Biomed]** 46(5):307–16, Sep–Oct 75

Studies on the binding of staphylococcal 125I–labeled alpha–toxin to rabbit erythrocytes. Cassidy P, et al. **Biochemistry** 15(11):2348–55, 1 Jun 76

Serum anaphylatoxins: formation, characterization and control. pp. 273–90. Hugli TE.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (26 ref.)

Investigations on clinico–chemical correlations in uraemic polyneuritis. Man NK, et al. **Proc Eur Dial Transplant Assoc** 11:214–21, 1975

[Scanning electron microscopic investigations of a specific burn toxin and its non–toxic precursor isolated from human serum (author's transl)] Kremer B, et al. **Microsc Acta** 77(5):420–6, Jan 76 (Eng. Abstr.) **(Ger)**

[Humoral cytotoxins in the serum of rats during the early stages of hepatocarcinogenesis] Kondrat'eva AF. **Vopr Onkol** 21(12):45–50, 1975 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Chemical synthesis of N beta–oxalyl–L–alpha, beta–diaminopropionic acid and optical specificity in its neurotoxic action. Rao SL. **Biochemistry** 14(23):5218–21, 18 Nov 75

Synthesis of apamin, a neurotoxic peptide from bee venom. van Rietschoten J, et al. **Eur J Biochem** 56(1):35–40, 1 Aug 75

The total synthesis of (+/–)–pumiliotoxin–C. Oppolzer W, et al. **Helv Chim Acta** 58(2):593–5, 12 Mar 75

Synthesis and geometrical configuration of luteoreticulin, a toxic nitro–containing metabolite of Streptomyces luteoreticuli Arai. Suzuki E, et al. **J Chem Soc [Perkin I]** (4):404–7, 1976

A new synthesis of L–2–amino–3–oxyalylaminopropionic acid, the Lathyrus sativus neurotoxin. Haskell BE, et al. **J Org Chem** 41(1):159–60, 9 Jan 76

[Synthesis of racemic pumiliotoxin C] Habermehl G, et al. **Naturwissenschaften** 62(7):345–6, Jul 75 **(Ger)**

IMMUNOLOGY

Solid–phase radioimmunoassays for quantitative antibody determination of Clostridium perfringens type D epsilon toxin. Bernáth S. **Appl Microbiol** 30(4):499–502, Oct 75

[Ha antibody against exfoliatin A and B (with special reference to the sera of clinical patients and normal controls)] Sarai Y, et al. **Jpn J Bacteriol** 30(1):222, Jan 75 **(Jpn)**

[Participation of the palatine tonsils in the body's immune response to several bacterial toxins] Gorbachevskiĭ VN. **Zh Mikrobiol Epidemiol Immunobiol** (1):141–2, Jan 76 **(Rus)**

ISOLATION & PURIFICATION

Multiple forms of staphylococcal alpha–toxin. Dalen AB. **Acta Pathol Microbiol Scand [Suppl]** 83(6):561–8, Dec 75

Column chromatography and cell culture assay of Pseudomonas aeruginosa toxin Z preparations. Ludovici PP, et al. **Appl Microbiol** 30(2):293–7, Aug 75

Letter: The isolation and structure of the toxin of Pimelea simplex responsible for St. George disease of cattle. Roberts HB, et al. **Aust Vet J** 51(6):325–6, Jun 75

Mycoplasma neurotoxins: partial purification of the toxin from Mycoplasma neurolyticum. pp. 317–24. Tully JG.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Purification of staphylococcal alpha–toxin by adsorption chromatography on glass. Cassidy P, et al. **Infect Immun** 13(3):982–6, Mar 76

Purification of cereolysin and the electrophoretic separation of the active (reduced) and inactive (oxidized) forms of the purified toxin. Cowell JL, et al. **Infect Immun** 14(1):144–54, Jul 76

Purification and characterization of a staphylococcal epidermolytic toxin. Dimond RL, et al. **Infect Immun** 13(2):627–33, Feb 76

Identification of lethal toxin with the thermostable direct hemolysin produced by Vibrio parahaemolyticus, and some physicochemical properties of the purified toxin. Honda T, et al. **Infect Immun** 13(1):133–9, Jan 76

Staphylococcal scalded–skin syndrome: development of a primary binding assay for human antibody to the exfoliative toxin. Wiley BB, et al. **Infect Immun** 13(2):513–20, Feb 76

Toxins causing noninflammatory paralytic neuronopathy. Isolation and structure elucidation. Dreyer DL, et al. **J Am Chem Soc** 97(17):4985–90, 20 Aug 75

Proceedings: Structure and potency of some 'Tinya' toxins. Schmidt RJ, et al. **J Pharm Pharmacol** 27 Suppl?–2:50P, Dec 75

Carcinogenic and neurotoxic components in the cycad encephalartos altensteinii Lehm. (family Zamiaceae). Louw WK, et al. **Toxicon** 13(6):447–52, Dec 75

[Comparative study of the protective qualities of some protease inhibitors in the drying of Cl. oedematiens type B toxin] Peĭchev B. **Vet Med Nauki** 12(6):84–8, 1975 (Eng. Abstr.) **(Bul)**

[Toxigenesis of Clostridium novyi type A. 2. Communication: Extraction alpha–toxin from the cells by hypertonic buffers (author's transl)] Schallehn G. **Zentralbl Bakteriol [Orig A]** 232(2–3):294–302, Jul 75 (Eng. Abstr.) **(Ger)**

[Determination of Clostridium boltulinum toxins using passive hemagglutination] Franke F. **Zentralbl Veterinaermed [B]** 21(9):660–76, Sep 74 (Eng. Abstr.) **(Ger)**

[Immunochemical method of burn toxin isolation] Fedorov NA, et al. **Dokl Akad Nauk SSSR** 228(5):1248–51, 1976 **(Rus)**

METABOLISM

Interaction of cholera toxin and ganglioside G(M1). Svennerholm L. **Adv Exp Med Biol** 71:191–204, 1976

The role of gangliosides in the action of cholera toxin. van Heyningen WE, et al. **Adv Exp Med Biol** 71:205–14, 1976

Lectin and cholera toxin binding to guinea pig tumor (104C1) cell surfaces before and after glycosphingolipid incorporation. Basu M, et al. **Biochem Biophys Res Commun** 71(1):385–92, 12 Jul 76

Deficiency of toxin–binding protein activity in mutants of sugarcane clone H54–775 as it relates to disease resistance. Strobel GA, et al. **Biochem Genet** 13(9–10):557–65, Oct 75

Enzymatic properties of cloacin DF13 and kinetics of ribosome inactivation. Oudega B, et al. **Biochim Biophys Acta** 425(3):296–304, 17 Mar 76

Resistance of purified cholera toxin to enzymatic treatment with pancreatic elastase and papain. Antoni G, et al. **Experientia** 32(8):971–2, 15 Aug 76

Ganglioside and rabbit erythrocyte membrane receptor for staphylococcal alpha–toxin. Kato I, et al. **Infect Immun** 13(1):289–91, Jan 76

Evidence that alpha–dihydrograyanotoxin II does not bind to the sodium gate. Soeda Y, et al. **J Membr Biol** 23(1):91–101, 11 Aug 75

Clostridium perfringens exotoxins. III. Binding of theta–toxin to erythrocyte membrane. Hase J, et al. **Jpn J Exp Med** 45(6):433–8, Dec 75

Bacterial membrane transport of beta–exotoxin, an anti–metabolite of RNA synthesis. Johnson DE. **Nature** 260(5549):333–5, 25 Mar 76

Ligand–induced redistribution of lymphocyte membrane ganglioside GM1. Révész T, et al. **Nature** 257(5522):103–6, 11 Sep 75

Membrane potential dependent binding of scorpion toxin to action potential Na+ ionophore. Catterall WA, et al. **Proc Natl Acad Sci USA** 73(8):2682–6, Aug 76

Functional incorporation of ganglioside into intact cells: induction of choleragen responsiveness. Moss J, et al. **Proc Natl Acad Sci USA** 73(4):1034–7, Apr 76

Cholera toxin interactions with thyrotropin receptors on thyroid plasma membranes. Mullin BR, et al. **Proc Natl Acad Sci USA** 73(5):1679–83, May 76

[Environmental effect on metabolism of exogenous molecules in liver microsomes] Albrecht R, et al. **Ann Nutr Aliment** 28(4):351–63, 1974 (10 ref.) (Eng. Abstr.) **(Fre)**

[Penetration of toxins into various kinds of cells] Derache R. **Ann Nutr Aliment** 28(4):297–306, 1974 (16 ref.) (Eng. Abstr.) **(Fre)**

[Physiochemical factors in the penetration of toxins] Mazliak P. **Ann Nutr Aliment** 28(4):277–96, 1974 (10 ref.) (Eng. Abstr.) **(Fre)**

[Elimination of the thermostable exotoxin from B. thuringiensis after ingestion in the mouse] de Barjac H, et al. **C R Acad Sci [D] (Paris)** 280(5):677–9, 3 Feb 75 (Eng. Abstr.) **(Fre)**

[Isolation of an amatoxin binding protein (ABP) different from RNA–polymerase B and C ((author's transl))] Brodner OG, et al. **Hoppe Seylers Z Physiol Chem** 357(1):89–93, Jan 76 (Eng. Abstr.) **(Ger)**

[Intestinal elimination of uremic metabolites by the adsorbents] Drüeke T. **Med Klin** 71(3):87–93, 16 Jan 76 (33 ref.) **(Ger)**

[The effect of 'uremia toxins' on the enzymes of the active electrolyte transport] Wizemann V, et al. **Med Welt** 26(48):2167–8, 28 Nov 75 **(Ger)**

[Medium–sized molecules and the process of uremic intoxication] Lutz W. **Pol Tyg Lek** 31(27):1173–6, 5 Jul 76 **(Pol)**

PHARMACODYNAMICS

Mechanism of action of neurotoxins. Festoff BW. **Ann Clin Lab Sci** 5(5):377–82, Sep–Oct 75

Investigations into platelet aggregation induced by DAS and anaphylatoxin (a cleavage product of the fifth component of complement). Schumacher KA, et al. **Bibl Anat** 13:267–8, 1975

Cholera toxin inhibits interferon action. Friedman RM, et al. **Biochem Biophys Res Commun** 70(4):1078–84, 21 Jun 76

Inhibition of guanylate cyclase and cyclic GMP phosphodiesterase by cholera toxin. Kiefer HC, et al. **Biochem Biophys Res Commun** 66(3):1017–23, 6 Oct 75

Inhibition of in vitro protein synthesis by Shigella dysenteriae 1 toxin. Thompson MR, et al. **Biochem Biophys Res Commun** 71(3):783–8, 9 Aug 76

Viriditoxin induces swelling and atpase by activation of calcium transport in liver mitochondria. Wong DT, et al. **Biochem Biophys Res Commun** 71(1):332–8, 12 Jul 76

On the mechanisms of some pharmacological actions of the hypoglycaemic toxins hypoglycin and pent–4–enoic acid. A way out of the present confusion. Stanley H, et al. **Biochem Pharmacol** 25(7):743–50, 1 Apr 76

Stimulation of sodium and calcium uptake by scorpion toxin in chick embryo heart cells. Couraud F, et al. **Biochim Biophys Acta** 433(1):90–100, 16 Apr 76

Inhibition of protein synthesis in mouse myeloma cells by Ricinus communis toxin. Onozaki K, et al. **Biochim Biophys Acta** 407(1):99–107, 12 Sep 75

On the mechanism of action of cholera toxin on isolated rat adrenocortical cells. Comparison with the effects of adrenocorticotropin on steroidogenesis and cyclic AMP output. Palfreyman JW, et al. **Biochim Biophys Acta** 404(2):221–30, 9 Oct 75

Effects of cholera toxin on cyclic adenosine 3',5'–monophosphate concentration and secretory processes in the exocrine pancreas. Smith PA, et al. **Biochim Biophys Acta** 399(2):277–90, 13 Aug 75

Choleragen stimulates steroidogenesis and adenylate cyclase in cells lacking functional hormone receptors. Wolff J, et al. **Biochim Biophys Acta** 413(2):283–90, 1 Dec 75

Proceedings: A comparison of the histopathological effects of anaphylatoxin (AT) and prostaglandins E2 (PGE2) and F2alpha (PGF2alpha) in guinea–pig lungs. Sackeyfio AC. **Br J Pharmacol** 55(2):240P–241P, Oct 75

Cholera toxin effects on cell growth accompanied by selective alterations in metabolite uptake and modification of cell surface proteins. Rieber M, et al. **Cancer Res** 35(11 Pt 1):3009–13, Nov 75

Stimulated flow of pancreatic and biliary secretions after intestinal exposure to cholera toxin. Freiman I, et al.

Clin Sci Mol Med 51(1):81–5, Jul 76

Inhibition of insulin release by scorpion toxin in rat pancreatic islets. Johnson DG, et al. **Diabetes** 25(3):198–201, Mar 76

Stimulation of glucagon secretion by scorpion toxin in the perfused rat pancreas. Johnson DG, et al. **Diabetes** 25(8):645–9, Aug 76

Effect of gymnodinium breve toxin(s) on frog skin and the giant axon of the squid. Kim YS, et al. **Environ Lett** 9(3):255–64, 1975

Mechanism of action of a new toxin from gonyaulax tamarensis on nerve membranes. Narahashi T, et al. **Environ Lett** 9(3):239–47, 1975

Effect of cholera toxin on intramembranous particles of a murine lymphoid cell line. Douglas SD, et al. **Exp Cell Res** 101(1):111–21, Aug 76

Cholera toxin induced redistribution of sialoglycolipid receptor at the lymphocyte membrane. Sedlacek HH, et al. **FEBS Lett** 61(2):272–6, 15 Jan 76

A study on the mate–killer toxin by microinjection in Paramecium. Koizumi S, et al. **Genet Res** 27(2):179–85, Apr 76

Interferon production in mitogen stimulated lymphocytes: cyclic AMP mediated inhibition by cholera toxin. pp. 453–62. Epstein LB, et al.
In: Oppenheim JJ, Rosenstreich DL, ed. Mitogens in immunobiology. New York, Academic Press, 1976. QH 605.2 M684 1975.

Inhibition by zinc of hemolysis induced by bacterial and other cytolytic agents. Avigad LS, et al. **Infect Immun** 13(5):1378–81, May 76

Evidence for a one–hit theory in the immune bactericidal reaction and demonstration of a multi–hit response for hemolysis by streptolysin O and Clostridium perfringens theta–toxin. Inoue K, et al. **Infect Immun** 13(2):337–44, Feb 76

Inhibition of water absorption in the intestine by Staphylococcus aureus delta–toxin. Kapral FA, et al. **Infect Immun** 13(1):140–5, Jan 76

Inhibitory effect of flavin mononucleotide on the hemolysis of rabbit erythrocytes by staphylococcal alpha–toxin. Kato I, et al. **Infect Immun** 12(3):696–7, Sep 75

Increased cyclic adenosine 3',5'–monophosphate content in guinea pig ileum after exposure to Staphylococcus aureus delta–toxin. O'Brien AD, et al. **Infect Immun** 13(1):152–62, Jan 76

Sensitive assay for detection of toxin–induced damage to the cytoplasmic membrane of human diploid fibroblasts. Thelestam M, et al. **Infect Immun** 12(2):225–32, Aug 75

Temperature–dependent inactivating factor of Pseudomonas aeruginosa exotoxin A. Vasil ML, et al. **Infect Immun** 13(5):1467–72, May 76

Toxicity and milk bittering properties of tenulin, the major sesquiterpene lactone constituent of Helenium amarum (bitter sneezeweed). Ivie GW, et al. **J Agric Food Chem** 23(5):845–9, Sep–Oct 75

Uptake and metabolism of gangliosides in transformed mouse fibroblasts. Relationship of ganglioside structure to choleragen response. Fishman PH, et al. **J Biol Chem** 251(15):4490–4, 10 Aug 76

The mechanism of action of cholera toxin in pigeon erythrocyte lysates. Gill DM, et al. **J Biol Chem** 250(16):6424–32, 25 Aug 75

Mechanism of the irreversible inhibition of aspartate aminotransferase by the bacterial toxin L–2–amino–4–methoxy–trans–3–butenoic acid. Rando RR, et al. **J Biol Chem** 251(11):3306–12, 10 Jun 76

Effect of aspirin on normal and cholera toxin–stimulated intestinal electrolyte transport. Farris RK, et al. **J Clin Invest** 57(4):916–24, Apr 76

Effects of cholera toxin on adenylate cyclase. Studies with guanylylimidodiphosphate. Flores J, et al. **J Clin Invest** 56(5):1345–9, Nov 75

Grayanotoxin, veratrine, and tetrodotoxin–sensitive sodium pathways in the Schwann cell membrane of squid nerve fibers. Villegas J, et al. **J Gen Physiol** 67(3):369–80, Mar 76

In vitro production of IgE by human peripheral blood lymphocytes: effect of cholera toxin and beta adrenergic stimulation. Patterson R, et al. **J Immunol** 117(1):97–101, Jul 76

Proceedings: The mode of action of staphylococcal epidermolytic toxin. McLay AL, et al. **J Med Microbiol** 8(4):Pxvii–xviii, Nov 75

Proceedings: Structure and potency of some 'Tinya' toxins. Schmidt RJ, et al. **J Pharm Pharmacol** 27 Suppl?–2:50P, Dec 75

Some pharmacological properties of the venom, venom fractions and pure toxin of the yellow–bellied sea snake Pelamis platurus. Tu T, et al. **J Pharm Pharmacol** 28(2):139–45, Feb 76

Selective modification of cell surface proteins and thymidine transport in hamster cells exposed to cholera toxin. Rieber M, et al. **J Supramol Struct** 4(1):127–32, 1976

Similarity of responses of cultured Sertoli cells to cholera toxin and FSH. Fritz IB, et al. **Mol Cell Endocrinol** 5(3–4):289–94, Aug–Sep 76

Kinetics of interaction of batrachotoxin and tetrodotoxin on rat diaphragm muscle. Albuquerque EX, et al. **Mol Pharmacol** 12(1):82–91, Jan 76

Studies on the effect of histrionicotoxin on the monocellular electroplax from Electrophorus electricus and on the binding of (3H)acetylcholine to membrane fragments from Torpedo marmorata. Kato G, et al. **Mol Pharmacol** 12(1):92–100, Jan 76

Effect of toxins of sea anemones on neuromuscular transmission. Rathmayer W, et al. **Naturwissenschaften** 62(11):538–9, Nov 75

Does cyclic AMP have a role in the pathogenesis of fever in the rabbit? Woolf CJ, et al. **Naturwissenschaften** 63(2):94–5, Feb 76

Pharmacology of scorpion toxin II in the skeletal muscle. Lin SS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):359–68, 30 Jul 75

The effect of staphylococcal alpha–toxin upon the in vivo and in vitro activity of amino acyl–sRNA synthetases in the rabbit brain. Zgorzalewicz B, et al. **Neuropatol Pol** 13(3–4):499–505, Jul–Dec 75

Cholera toxin activation of adenylate cyclase in cancer cell membrane fragments. Bitensky MW, et al. **Proc Natl Acad Sci USA** 72(7):2572–6, Jul 75

Small fragments from the A subunit of cholera toxin capable of activating adenylate cyclase. Matuo Y, et al. **Proc Natl Acad Sci USA** 73(8):2654–8, Aug 76

Mechanism of activation of adenylate cyclase by cholera toxin. Sahyoun N, et al. **Proc Natl Acad Sci USA** 72(9):3438–42, Sep 75

Inhibition of cholera toxin–stimulated intestinal epithelial cell adenylate cyclase by adenosine analogs. Zenser TV, et al. **Proc Soc Exp Biol Med** 152(1):126–9, May 76

Effect of drugs on cholera toxin induced fluid in adult rabbit ileal loop. Gaitondé BB, et al. **Prog Drug Res** 19:519–26, 1975

Prostaglandin E2: a factor in the pathogenesis of cholera. Tothill A. **Prostaglandins** 11(6):925–33, Jun 76

Effects of indomethacin on intestinal secretion, prostaglandin E and cyclic AMP: evidence against a role for prostaglandins in cholera toxin–induced secretion. Wilson DE, et al. **Prostaglandins** 10(4):581–7, Oct 75

Cholera toxin induces pineal enzymes in culture. Minneman KP, et al. **Science** 192(4241):803–5, 21 May 76

Sensitivity of cultured embryonic heart cells to cardiotoxin obtained from Naja naja siamensis venom. Arms K, et al. **Toxicon** 13(5):333–8, Nov 75

Proceedings: Histopathological effects of anaphylatoxin in the guinea pig. Sackeyfio AC. **West Afr J Pharmacol Drug Res** 2(1):75P–76P, Jun 75

[Contributions and limits of classical toxicology] Jouany JM. **Ann Nutr Aliment** 28(4):207–17, 1974 (Eng. Abstr.) **(Fre)**

[Cardiotoxicity in rats of purified gamma toxin isolated from venom of Naja nigricollis and of toxins extracted from scorpion venom] Tazieff–Depierre F. **C R Acad Sci [D] (Paris)** 280(9):1181–4, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Ciguatera: neurophysiologic and histoenzymologic studies of several fractions of ciguatoxic extracts] Niaussat PM, et al. **C R Soc Biol (Paris)** 169(4):912–9, 1975 (Eng. Abstr.) **(Fre)**

[Reactions of the myocardial mesenchyma to various noise] pp. 113–23. Wagner H, et al.
In: Gross D et al., ed. Ischamie. Stuttgart, Schattauer, 1975. W3 AS588N 1972i. **(Ger)**

[In–vitro effect of toxins of enteropathogenic Escherichia coli on the motility of gut segments] Parnas J, et al. **Zentralbl Veterinaermed [B]** 22(10):856–9, Dec 75 (Eng. Abstr.) **(Ger)**

[Substance produced by Staphylococcus with specific cytotoxicity to peritoneal macrophages of mice] Iwata K, et al. **Jpn J Bacteriol** 30(1):228, Jan 75 **(Jpn)**

[Reverse transformation of tumor cells caused by cholera toxin and the substance inhibiting the process] Nozawa T, et al. **Jpn J Bacteriol** 30(1):231, Jan 75 **(Jpn)**

[Effect of some antibiotics on the resistance of white mice to staphylococcal toxin] Aver'ianova LL. **Antibiotiki** 21(2):144–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of antibiotics on the resistance of white mice to C1. perfringens toxin] Aver'ianova LL. **Antibiotiki** 20(8):726–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of burned skin toxin on the state of hemodynamics in rats] Matvienko VP, et al. **Biull Eksp Biol Med** 81(3):275–6, Mar 76 (Eng. Abstr.) **(Rus)**

[Pathological changes in fleas caused by the action of Bacillus thuringiensis exotoxin] Prokop'ev VN, et al. **Parazitologiia** 10(3):222–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Autonomic effects caused by the application of ischemic toxin to the medulla oblongata] Dolina SA, et al. **Vestn Akad Med Nauk SSSR** (7):40–6, 1975 (Eng. Abstr.) **(Rus)**

[Ischemic toxin and some disorders of cardiac activity] Shumeiko SG, et al. **Vestn Akad Med Nauk SSSR** (7):27–30, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the lungs of white mice under the action of cholera exotoxin] Durikhin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):131–2, Sep 75 **(Rus)**

SECRETION

Separation of T cell subpopulations capable of DNA synthesis, lymphotoxin release, and regulation of antigen and phytohemagglutinin responses on the basis of density and adherence properties. Durkin HG, et al. **Proc Natl Acad Sci USA** 72(12):5090–4, Dec 75

THERAPEUTIC USE

Synergistic protective effect in rabbits of immunization with Vibrio cholerae lipopolysaccharide and toxin/toxoid. Svennerholm AM, et al. **Infect Immun** 13(3):735–40, Mar 76

TOXICITY

Experiments on monkeys with cholera toxin partially purified and detoxified with formol and glycine. Saletti M, et al. **Bull WHO** 51(6):641–5, 1974

Experiments with cholera toxin detoxified with glutaraldehyde. Saletti M, et al. **Bull WHO** 51(6):633–9, 1974

Characterization of the factors responsible for death of fish infected with Vibrio anguillarum. Umbreit TH, et al. **Can J Microbiol** 21(8):1272–4, Aug 75

Experimental induction and treatment of toad poisoning in the dog. Palumbo NE, et al. **J Am Vet Med Assoc** 167(11):1000–5, 1 Dec 75

Studies of lesions produced in the brains of colostrum deprived lambs by Clostridium welchii (Cl. perfringens) type D toxin. Buxton D, et al. **J Comp Pathol** 86(3):435–47, Jul 76

Pseudomonas aeruginosa exotoxin in mice: histopathology and serum enzyme changes. Pavlovskis OR, et al. **J Infect Dis** 133(3):253–9, Mar 76

Evaluation of beta–exotoxin of Bacillus thuringiensis Berliner for control of flies in chicken manure. Barker RJ, et al. **J Med Entomol** 12(1):103–10, 30 Apr 75

Biologic effects of plant toxins and aflatoxins in rats. Newberne PM. **J Natl Cancer Inst** 56(3):551–5, Mar 76

Relation between the toxogenicity and pyogenicity of Corynebacterium ovis in experimentally infected mice. Zaki MM. **Res Vet Sci** 20(2):197–200, Mar 76

Structure–activity relationship of ericaceous toxins on acute toxicity in mice. Hikino H, et al. **Toxicol Appl Pharmacol** 35(2):303–10, Feb 76

[Toxicity of culture supernatants from Pseudomonas aeruginosa (author's transl)] Pflüger R, et al. **Zentralbl Bakteriol [Orig A]** 233(2):236–44, Oct 75 (Eng. Abstr.) **(Ger)**

[Toxin produced by Vibrio parahaemolyticus with lethal effects in mice] Honda T, et al. **Jpn J Bacteriol** 30(1):233, Jan 75 **(Jpn)**

[Comparative characteristics of the toxic properties of the whooping cough microbes] Chuprinina RP. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):111–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Morphologic changes in cultures of different tissues exposed to the toxins of Cl. perfringens types B, C, E and F] Ermakova MP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):41–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Toxic properties of the exotoxin from anthrax vaccinal strain CTI–1 in an experiment on animals] Lesniak OT. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):97–9, Sep 75 (Eng. Abstr.) **(Rus)**

URINE

Effects of locoweed toxin on rats. James LF, et al. **Am J Vet Res** 37(7):845–50, Jul 76

TOXOCARA

ANATOMY & HISTOLOGY

Scanning electron microscopy of Toxocara canis eggs. Zyngier FR. **Rev Inst Med Trop Sao Paulo** 17(5):269–71, Sep–Oct 75

IMMUNOLOGY

In vitro maintenance of Toxocara canis larvae and a simple method for the production of Toxocara ES antigen for use in serodiagnostic tests for visceral larva migrans. Savigny DH. **J Parasitol** 61(4):781–2, Aug 75

[Study of the occurrence of toxocara infections in young children] Ruitenberg EJ, et al. **Ned Tijdschr Geneeskd** 120(15):145–9, 10 Apr 76 (Eng. Abstr.) **(Dut)**

[Comparative study of the activity and specificity of antigens of Toxocara canis and Ascaris suum in the indirect hemagglutination reaction] Zheleva RTs. **Med Parazitol (Mosk)** 44(4):455–60, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Comparative study of the antigenic structure of Toxocara canis (Werner, 1782) and Ascaris suum (Goez, 1782) in immunodiffusion and immunoelectrophoretic reactions] Zheleva RTs. **Med Parazitol (Mosk)** 44(3):293–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Contamination of soil in two city parks with canine nematode ova including Toxocara canis: a preliminary study. Dubin S, et al. **Am J Public Health** 65(11):1242–5, Nov 75

ULTRASTRUCTURE

Scanning electron microscopy of the eggs of Ascaris lumbricoides, A. suum, Toxocara canis, and T. mystax. Ubelaker JE, et al. **J Parasitol** 61(5):802–7, Oct 75

TOXOCARIASIS see under **ASCARIASIS**

TOXOGONIN see under **OXIMES**

TOXOIDS

Proceedings: Interrelationships between cholera toxin, cholera toxoid, and cellular immunity. Northrup R, et al. **Jpn J Med Sci Biol** 28(1):79–81, Feb 75

[Immunogenic properties of Cl. perfringens anatoxins obtained from purified toxins] Dmitrieva LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):134–6, Nov 75 **(Rus)**

[Immunochemical and biochemical characteristics of a preventive preparation against cholera, cholerogen–toxoid] Dzhaparidze MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):32–7, May 76 (Eng. Abstr.) **(Rus)**

[Study of the interrelationship between the content of immunizing units and the immunogenicity of Cl. perfringens anatoxins] Nenashev VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):93–6, Aug 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Polyanatoxin for the prevention of sheep clostridiosis] Urguev KR, et al. **Veterinariia** (6):47–50, Jun 76 **(Rus)**

ANALYSIS

Chemical characterization of the structure of cholera toxin and its natural toxoid. Kurosky A, et al. **J Infect Dis** 133 Suppl:14–22, Mar 76

ISOLATION & PURIFICATION

[Preparation and evaluation of botulinum type A,B and E polyanatoxin combined with cholera vaccine. I. Preparation] Brühl A, et al. **Med Dosw Mikrobiol** 27(3):245–54, 1975 (Eng. Abstr.) **(Pol)**

[Preparation and evaluation of botulinum type A, B and E polytoxoid combined with cholera vaccine. III. Human vaccination reactions and serological response] Galazka A, et al. **Med Dosw Mikrobiol** 27(3):265–80, 1975 (Eng. Abstr.) **(Pol)**

[Preparation and evaluation of botulinum type A, B and E polytoxoid combined with cholera vaccine. II. Laboratory tests for safety and efficacy] Rymkiewicz D, et al. **Med Dosw Mikrobiol** 27(3):255–63, 1975 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Use of horseradish peroxidase to study the antagonism of Clostridium welchii (Cl. perfringens) type D epsilon toxin in mice by the formalinized epsilon prototoxin. Buxton D. **J Comp Pathol** 86(1):67–72, Jan 76

STANDARDS

[Method of determinating the protective capacity of Cl. perfringens toxoid] Akhundova KA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):43–7, Apr 75 **(Rus)**

[Analysis of the scientific–methodologic basis for vaccine standardization using cholerogen–toxoid as a model] Sumarokov AA. **Zh Mikrobiol Epidemiol Immunobiol** (11):32–40, Nov 75 **(Rus)**

THERAPEUTIC USE

Synergistic protective effect in rabbits of immunization with Vibrio cholerae lipopolysaccharide and toxin/toxoid. Svennerholm AM, et al. **Infect Immun** 13(3):735–40, Mar 76

TOXOPLASMA

Toxoplasma gondii: large–scale purification by zonal density gradient centrifugation. Masihi KN, et al. **Exp Parasitol** 39(1):84–7, Feb 76

Cockroaches as possible transport hosts of Toxoplasma gondii in Costa Rica. Chinchilla M, et al. **J Parasitol** 62(1):140–2, Feb 76

[Recent studies of the life cycle of Toxoplasma gondii and on the epidemiology of toxoplasmosis] Baldelli B. **Parassitologia** 16(1):21–45, Jan–Apr 74 (Eng. Abstr.) **(Ita)**

[Toxoplasmosis. I. Generalities (author's transl)] Apt W. **Rev Med Chil** 103(8):557–62, Aug 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Activity of the anticoccidial compound, lasalocid, against Toxoplasma gondii in cultured cells. Melton ML, et al. **J Parasitol** 61(4):713–7, Aug 75

Effect of pyrimethamine and sulfadiazine on the fine structure and multiplication of Toxoplasma gondii in cell cultures. Sheffield HG, et al. **J Parasitol** 61(4):704–12, Aug 75

Disinfectant effects of several chemicals against Toxoplasma oocysts. Ito S, et al. **Jpn J Vet Sci** 37(3):229–34, Jun 75

In vitro activity of cotrimoxazole on the intracellular multiplication of Toxoplasma gondii. Nguyen BT, et al. **Pathol Eur** 10(4):307–15, 1975

[The effect of clotrimazole on the pathogen of toxoplasmosis, Toxoplasma gondii] Werner H, et al. **Arzneim Forsch** 26(1):53–5, 1976 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Interaction between macrophages of various origin and Toxoplasma gondii under conditions in vitro. Abakarova EG, et al. **Folia Parasitol (Praha)** 22(3):195–200, 1975

Reshedding of Toxoplasma oocysts by chronically infected cats. Dubey JP. **Nature** 262(5565):213–4, 15 JUL 76

[Study on the growth of cystogenous and proliferative forms of Toxoplasma gondii on PK cells] Pejše M, et al. **Vet Med (Praha)** 20(4):231–7, Apr 75 (Eng. Abstr.) **(Cze)**

[Cryopreservation of encysted Toxoplasms in liquid nitrogen (author's transl)] Janitschke K, et al. **Tropenmed Parasitol** 26(3):307–11, Sep 75 (Eng. Abstr.) **(Ger)**

[Cultivation of Toxoplasma and Chlamydia] Naletov NI, et al. **Veterinariia** (7):110–1, Jul 76 **(Rus)**

IMMUNOLOGY

Equine toxoplasmosis: a survey for antibodies to Toxoplasma gondii in horses. Riemann HP, et al. **Am J Vet Res** 36(12):1797–1800, Dec 75

The use of irradiated vaccine in immunization against experimental murine toxoplasmosis. Seah SK, et al. **Can J Microbiol** 21(9):1379–85, Sep 75

Prevalence of Toxoplasma antibodies among military conscripts in Taiwan. Liu KH, et al. **Chin J Microbiol** 8(4):286–8, Dec 75

Antibody–induced formation of caps in Toxoplasma gondii. Dzbeński TH, et al. **Experientia** 32(4):454–6, 15 Apr 76

[First results on the use of the direct agglutination reaction in the diagnosis of toxoplasmosis] Moiraghi–Ruggenini A, et al. **G Batteriol Virol Immunol** 68(1–6):65–70, Jan–Jun 75

Toxoplasmosis in relation to reproductive disorders. Pal MN, et al. **Indian J Med Res** 63(1):11–6, Jan 75

Dichotomy between macrophage activation and degree of protection against Listeria monocytogenes and Toxoplasma gondii in mice stimulated with Corynebacterium parvum. Swartzberg JE, et al. **Infect Immun** 12(5):1037–43, Nov 75

A survey for Toxoplasma gondii antibodies in deer and other wildlife on a sheep range. Franti CE, et al. **J Am Vet Med Assoc** 167(7):565–8, 1 Oct 75

Modified fluorescent antibody technique to detect immunoglobulin M antibodies to Toxoplasma gondii in congenital infection. Robertson PW, et al. **J Clin Microbiol** 2(5):461–2, Nov 75

Induction of resistance to Toxoplasma gondii in human macrophages by soluble lymphocyte products. Anderson SE, et al. **J Immunol** 117(2):381–7, Aug 76

Immunity to Toxoplasma gondii induced in vitro in non–immune mouse macrophages with specifically immune lymphocytes. Sethi KK, et al. **J Immunol** 115(4):1151–8, Oct 75

Detection of circulating antigen in acute experimental infections with Toxoplasma gondii. Raizman RE, et al. **J Infect Dis** 132(1):44–8, Jul 75

Prevalence of Toxoplasma antibodies in range vs. dairy cattle from the Bitterroot Valley of Montana. Sogandares–Bernal F, et al. **J Parasitol** 61(5):965–6, Oct 75

Prevalence of antibodies to Toxoplasma gondii in wild and domestic animals of New Mexico, Arizona and Colorado. Marchiondo AA, et al. **J Wildl Dis** 12(2):226–32, Apr 76

Toxoplasma gondii antibodies in free–living African mammals. Riemann GP, et al. **J Wildl Dis** 11(4):529–33, Oct 75

Letter: Toxoplasma antibodies and cats. Chaves–Carballo E. **Lancet** 1(7954):309–10, 7 Feb 76

A serological survey of toxoplasmosis in the Bloemfonetin area. Brink JD, et al. **S Afr Med J** 49(35):1441–3, 16 Aug 75

Effects of immune lymphocyte products and serum antibody on the multiplication of Toxoplasma in murine peritoneal macrophages. Shirahata T, et al. **Z Parasitenkd** 49(1):11–23, 31 Mar 76

[Complement–binding reaction with the Toxoplasma antigen in acute focal pneumonia] Petrovski S, et al. **Vutr Boles** 14(5):64–6, 1975 **(Bul)**

[Proceedings: Lysozyme and anti–toxoplasma immunity] Nguyen BT, et al. **Ann Immunol (Paris)** 126(3):365, Apr 75 **(Fre)**

[Microprecipitation in agar (MPA) as a method for the demonstration of human and animal toxoplasma antibodies] Knaus BU. **Z Med Labortech** 16(3):139–40, 1975 (Eng. Abstr.) **(Ger)**

[Production of toxoplasma antigens for passive hemagglutination tests] Dymowska Z, et al. **Med Dosw Mikrobiol** 27(4):411–5, 1975 (Eng. Abstr.) **(Pol)**

[The relationship between the fate of the agent of toxoplasmosis, Toxoplasma gondii, in macrophages cultivated in vitro and the virulence of the parasites] Akinshina GT, et al. **Biull Eksp Biol Med** 80(11):60–3, Nov 75 (Eng. Abstr.) **(Rus)**

[The significance of toxoplasma infections in eye diseases in Turkey] Ozcan K. **Mikrobiyol Bul** 9(4):281–90, Oct 75 (Eng. Abstr.) **(Tur)**

ISOLATION & PURIFICATION

Toxoplasma cysts in vaginal smears. Domínguez A, et al. **Acta Cytol (Baltimore)** 20(3):269–71, May–Jun 76

Letter: Toxoplasma cysts in vaginal and cervical smears. San Cristobal A, et al. **Acta Cytol (Baltimore)** 20(4):285–6, Jul–Aug 76

Toxoplasma gondii: isolation and preliminary characterization of temperature–sensitive mutants. Pfefferkorn ER, et al. **Exp Parasitol** 39(3):365–76, Jun 76

Morphologic study on the experimental lymph node toxoplasmosis. I. Early changes obtained in mice. Valkov I, et al. **Haematologica (Pavia)** 61(1):35–44, Mar 76

Detection and confirmation of toxoplasma oocysts in the soil. Ito S, et al. **Jpn J Vet Sci** 37(6):549–54, Dec 75

A simple method for separating toxoplasma gondii from infected mouse peritoneal exudate cells. Masihi KN. **Zentralbl Bakteriol [Orig A]** 233(4):556–60, Dec 75

[Isolation of Toxoplasma strains via the digestive method] Donev A. **Vet Med Nauki** 12(10):65–9, 1975 (Eng. Abstr.) **(Bul)**

[Preparation of pure suspensions of Toxoplasma gondii zoites from tissue cultures (author's transl)] Valkoun A, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(5):289–92, Sep 75 (Eng. Abstr.) **(Cze)**

[A patient with Hodgkin's disease and cerebral complications] van Berkel W, et al. **Ned Tijdschr Geneeskd** 120(32):1368–70, 7 Aug 76 (Eng. Abstr.) **(Dut)**

[Fluorescence–histological demonstration of Toxoplasma gondii in porcine lymph nodes] Stoll L, et al. **Dtsch Tieraerztl Wochenschr** 83(4):137–40, 5 Apr 76 (Eng. Abstr.) **(Ger)**

[Transmission of Toxoplasma gondii to the cat by the intake of swine and sheep meat spontaneously infected and normally slaughtered] Ambrosi M, et al. **Ann Sclavo** 17(2):231–8, Mar–Apr 75 **(Ita)**

[Toxoplasmosis in dogs in São Paulo] Sogorb F, et al. **Rev Inst Med Trop Sao Paulo** 18(1):36–41, Jan–Feb 76 (Eng. Abstr.) **(Por)**

[A case of chronic acquired toxoplasmosis and detection of the causative agent in the blood] Shevkunova EA, et al. **Med Parazitol (Mosk)** 44(2):235–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Experimental infestation of nutria with RH strain Toxoplasma] Butabaeva MB, et al. **Veterinariia** (10):70–1, Oct 75 **(Rus)**

PATHOGENICITY

Strain–dependent differences in murine susceptibility to toxoplasma. Araujo FG, et al. **Infect Immun** 13(5):1528–30, May 76

Destructive effect of heating against toxoplasma oocysts. Ito S, et al. **Natl Inst Anim Health Q (Tokyo)** 15(3):128–30, Fall 75

Pathogenicity for several laboratory animals of toxoplasma oocysts originated from naturally infected cats. Ito S, et al. **Natl Inst Anim Health Q (Tokyo)** 15(3):122–7, Fall 75

Virulence of different strains of Toxoplasma gondii and host response in mice. Reikvam A, et al. **Nature** 261(5560):508–9, 10 Jun 76

[Cytological study of a continuous swine embryonic kidney cell line with a persistent Toxoplasma infection] Akinshina GT, et al. **Biull Eksp Biol Med** 80(10):122–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Peculiarities of the behavior of a low–virulence strain of toxoplasma in frequent passages] Savina MA. **Med Parazitol (Mosk)** 45(1):69–74, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The survival of Toxoplasma gondii trophozoites in changes in osmotic pressure. Räisänen S, et al. **Med Biol** 54(2):152–5, Apr 76

ULTRASTRUCTURE

The ultrastructural development of the macrogamete and formation of the oocyst wall of Toxoplasma gondii. Ferguson DJ, et al. **Acta Pathol Microbiol Scand [B]** 83(5):491–505, Oct 75

Ultrastructural demonstration of toxoplasma in human lymph nodes. Terragna A, et al. **Pathologica** 67(969–970):329–35, Jul–Aug 75

[Ultrastructure of the proliferative and pseudocystic phase of Toxoplasma gondii] de Lozano SG, et al. **Rev Lat Am Microbiol** 17(2):105–17, Apr–Jun 75 (Eng. Abstr.) **(Spa)**

TOXOPLASMOSIS

How far to go with toxoplasmosis. Vandepitte J. **Acta Clin Belg** 30(2):69–71, 1975

Letter: Toxoplasmosis. Dos Santos Neto JG. **Am J Clin Pathol** 65(2):250, Feb 76

Toxoplasmosis. Katz D. **Compr Ther** 2(5):64–70, May 76 (12 ref.)

Toxoplasmosis: epidemiologic and serologic aspects of perinatal infection. pp. 115–32. Desmonts G, et al. **In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.** (29 ref.)

Congenital infection due to toxoplasma. Fleck DG. **Proc R Soc Med** 68(6):368–9, Jun 75

[Prevention of congenital toxoplasmosis. Results at the maternity department of the Hôpital Saint–Antoine in 1972] Roux C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):557–69, Jun 75 (Eng. Abstr.) **(Fre)**

[Toxoplasmosis] Bonard EC. **Rev Med Suisse Romande** 95(9):713–29, Sep 75 **(Fre)**

[Toxoplasmosis and pregnancy] Kräubig H. **Med Klin**

71(15):603–8, 9 Apr 76 (19 ref.) **(Ger)**

[A case of chronic acquired toxoplasmosis and detection of the causative agent in the blood] Shevkunova EA, et al. **Med Parazitol (Mosk)** 44(2):235–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Neurotoxoplasmosis (review of the literature)] Sivukha TA, et al. **Zh Nevropatol Psikhiatr** 76(2):299–310, 1976 **(Rus)**

[Toxoplasmosis of the lymph nodes] Pujol–Busquets JM, et al. **An Otorrinolaringol Ibero Am** 1(4):44–60, 1974 (Eng. Abstr.) **(Spa)**

[Toxoplasmosis. I. Generalities (author's transl)] Apt W. **Rev Med Chil** 103(8):557–62, Aug 75 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

[The Sabin–Feldman test in the spinal fluid of patients with acquired toxoplasmosis and related aspects] Neto VA, et al. **Rev Inst Med Trop Sao Paulo** 18(2):89–92, Mar–Apr 76 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Toxoplasmosis in the compromised host. Ruskin J, et al. **Ann Intern Med** 84(2):193–9, Feb 76 (112 ref.)

Letter: Pityriasis lichenoides and toxoplasmosis. Ceilley RI, et al. **Arch Dermatol** 112(4):557, Apr 76

Lichen verrucosus et reticularis of Kaposi (porokeratosis striata of Nékam): a manifestation of acquired adult toxoplasmosis. Menter MA, et al. **Br J Dermatol** 94(6): 645–54, Jun 76

The clinical picture of coexisting toxoplasma and toxocara infection and its management. A small child with a rare double infection. Ghosh SK, et al. **Clin Pediatr (Phila)** 15(1):31–3, Jan 76

Toxoplasmosis in an adult presenting as paraparesis (a case report). Mishra DN, et al. **J Assoc Physicians India** 23(11):779–81, Nov 75

Polymyositis and toxoplasmosis. Samuels BS, et al. **JAMA** 235(1):60–1, 5 Jan 76

Contribution to diagnostic problem of cardiomyopathies produced by Toxoplasma gondii. Arribada A, et al. **Recent Adv Stud Cardiac Struct Metab** 2:655–68, 1973

A survey of the relationship of infection with toxoplasmosis in Asian women and its possible effects on their pregnancy outcome. Francis RC. **Singapore Med J** 16(4):290–6, Dec 75

[Encephalic pseudotumoral toxoplasmosis in the course of blood diseases] Masson R, et al. **Nouv Presse Med** 4(35):2499–502, 18 Oct 75 (Eng. Abstr.) **(Fre)**

[Granulomatous hepatitis is acquired toxoplasmosis in adults] Martinez–Vazquez JM, et al. **Sem Hop Paris** 51(14):963–5, 20 Mar 75 **(Fre)**

[Toxoplasmatic biliary ascites. Report of a case] Spennati GF. **Minerva Pediatr** 27(33):1844–8, 27 Oct 75 (Eng. Abstr.) **(Ita)**

[Cerebral arachnoiditis with a Toxoplasma etiology] Shevkunova EA, et al. **Zh Nevropatol Psikhiatr** 74(2):176–8, 1974 (Eng. Abstr.) **(Rus)**

[Role of chronic toxoplasmosis infection in pathology of the nervous system and eyes in adults] Shevkunova EA, et al. **Zh Nevropatol Psikhiatr** 75(9):1307–12, 1975 (Eng. Abstr.) **(Rus)**

[Clinical aspects, course and therapy of disseminated encephalomyelitis in chronic acquired toxoplasmosis] Zinchenko AP, et al. **Zh Nevropatol Psikhiatr** 74(2):178–83, 1974 (Eng. Abstr.) **(Rus)**

[Report on a case of glandular toxoplasmosis] Nikolić P, et al. **Med Pregl** 28(3–4):153–7, 1975 (Eng. Abstr.) **(Ser)**

[Importance of toxoplasmosis in the development of hormonal disorders in women and its effect on the child-bearing function] Petreniuk LM, et al. **Pediatr Akush Ginekol** (2):47–50, Mar–Apr 76 **(Ukr)**

DIAGNOSIS

Toxoplasma gondii: a new diagnostic approach based on the specific binding of erythrocytes to lymphoid cells. Magliulo E, et al. **Exp Parasitol** 39(1):143–9, Feb 76

[First results on the use of the direct agglutination reaction in the diagnosis of toxoplasmosis] Moiraghi–Ruggenini A, et al. **G Batteriol Virol Immunol** 68(1–6):65–70, Jan–Jun 75

A microplate enzyme–immunoassay for toxoplasma antibody. Voller A, et al. **J Clin Pathol** 29(2):150–3, Feb 76

Serum protein and immunoglobulin patterns in human toxoplasmosis. Rifaat MA, et al. **J Egypt Public Health Assoc** 49(6):349–61, 1974

The diagnosis of toxoplasmosis. Anderson SE, et al. **South Med J** 68(11):1433–43, Nov 75

Intracerebral toxoplasmosis presenting as a mass lesion. Schulhof LA, et al. **Surg Neurol** 4(1):9–11, Jul 75

Mechanization of a micro complement fixation test for the serodiagnosis of human toxoplasmosis. Ruitenberg EJ, et al. **Zentralbl Bakteriol [Orig A]** 233(4):561–4, Dec 75

[Immunological and parasitological studies of the amniotic fluid for toxoplasmosis] Peicheva Z, et al. **Akush Ginekol (Sofiia)** 15(1):19–21, 1976 (Eng. Abstr.) **(Bul)**

[On the differential diagnosis of liver damage in toxoplasmosis (author's transl)] Lobovská A, et al. **Cesk Gastroenterol Vyz** 30(1):36–41, Jan 76 (Eng. Abstr.) **(Cze)**

[Critical review of laboratory tests in the diagnosis of toxoplasmosis] Stadtsbaeder S, et al. **Acta Clin Belg** 30(2):83–9, 1975 **(Fre)**

[Subacute cervical adenopathies and toxoplasmosis] Desnos J, et al. **J Fr Otorhinolaryngol** 24(5):369–71, May 75 **(Fre)**

[Acute febrile acquired toxoplasmosis of typhoid type in healthy adults] Manigand G, et al. **Sem Hop Paris** 51(17):1181–4, 8 Apr 75 **(Fre)**

[Indirect flourescent antibody test in toxoplasmosis. Advantage of the use of fluorescent anti–IgG conjugate (author's transl)] De Meuter F, et al. **Zentralbl Bakteriol [Orig A]** 233(3):421–30, Nov 75 (Eng. Abstr.) **(Fre)**

[Letter: Toxoplasmosis in adults] Franke H. **Med Klin** 71(7):305–6, 13 Feb 76 **(Ger)**

[Antibody differentiation in human toxoplasmosis experiments on model cases (author's transl)] Müller F, et al. **Med Microbiol Immunol (Berl)** 162(1):55–61, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Toxoplasma infection and toxoplasmosis. Possibilities and limitations of serological diagnosis (author's transl)] Schierz G, et al. **Munch Med Wochenschr** 118(26):839–42, 25 Jun 76 (Eng. Abstr.) **(Ger)**

[The diagnosis of toxoplasmosis (author's transl)] Eschment R. **Oeff Gesundheitswes** 37(4):221–4, Apr 75 (Eng. Abstr.) **(Ger)**

[Toxoplasmosis investigation of pregnant women and newborn infants (author's transl)] Thalhammer O. **Wien Klin Wochenschr** 87(20):676–81, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Differential diagnosis between infectious mononucleosis and toxoplasmosis] Wiedermann G, et al. **Wien Med Wochenschr** 125(45):645–6, 7 Nov 75 **(Ger)**

[Simplified techniques for toxoplasmosis studies (author's transl)] Jamra LM, et al. **Rev Bras Pesqui Med Biol** 9(1):67–70, Jan–Feb 76 (Eng. Abstr.) **(Por)**

[Analysis of the sensitivity of the agglutination test in the diagnosis of toxoplasmosis] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 17(5):277–82, Sep–Oct 75 (Eng. Abstr.) **(Por)**

[Toxoplasmosis in adults. Problems of diagnosis] Balş M, et al. **Rev Ig [Bacteriol]** 21(2):125–7, Apr–Jun 76 **(Rum)**

[Plan of standardization of the micromethod of complement fixation for the serodiagnosis of toxoplasmosis] Pokornyĭ Zh, et al. **Lab Delo** (11):661–6, 1975 **(Rus)**

[Immunodiagnosis of toxoplasma invasion in volunteers] Tokarevich KN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:143–8, 1973 **(Rus)**

[Toxoplasmosis and lesions of the respiratory organs] Tishechkina VA, et al. **Vrach Delo** (7):110–3, Jul 75 **(Rus)**

[The gynaecologist's orientation in relation to toxoplasmosis in gravidity (author's transl)] Pontuch A, et al. **Bratisl Lek Listy** 65(2):125–7, 1976 (Eng. Abstr.) **(Slo)**

[Toxoplasmosis of the lymph nodes] Pujol–Busquets JM, et al. **An Otorrinolaringol Ibero Am** 1(4):44–60, 1974 (Eng. Abstr.) **(Spa)**

[Serologic diagnosis of toxoplasmosis using microagglutination. Correlation with indirect immunofluorescence] Perea EJ, et al. **Rev Clin Esp** 137(6):513–6, 30 Jun 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The management of toxoplasmosis in pregnancy. Fuchs F, et al. **Clin Perinatol** 1(2):407–22, Sep 74

Letter: Sulfisoxazole called suboptimal therapy in toxoplasmosis. Frenkel JK. **Neurology (Minneap)** 25(9):899, Sep 75

[Pyrimethamine–induced megaloblatic anemia in florid toxoplasmosis] Diehl K, et al. **Med Welt** 27(7):315–9, 13 Feb 76 **(Ger)**

ETIOLOGY

Toxoplasmosis in veterinarians: an investigation into possible sources of infection. Tizard IR, et al. **Can Vet J** 17(1):24–5, Jan 76

Toxoplasmosis after splenectomy in sickle cell disease. Report of two cases with recurrence in one child two years following antitoxoplasmic therapy. Chaves–Carballo E, et al. **Clin Pediatr (Phila)** 15(3):270–2, Mar 76

Proceedings: Toxoplasmosis in town and country. Kwantes W. **J Clin Pathol** 28(9):755–6, Sep 75

[Aetiological and pathogenetic pecularities in gynecological form of toxoplasmosis (author's transl)] Kouba K, et al. **Cesk Gynekol** 40(9):645–9, Nov 75 (Eng. Abstr.) **(Cze)**

FAMILIAL & GENETIC

[Chromosomal aberrations in patients with lymph glands toxoplasmosis (author's transl)] Apt W, et al. **Rev Med Chil** 103(9):587–93, Sep 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Toxoplasma antibody prevalence in veterinary personnel and a selected population not exposed to cats. Sengbusch HG, et al. **Am J Epidemiol** 103(6):595–7, Jun 76

Chronic lymphadenopathic toxoplasmosis. A case with marked hyperglobulinemia and impaired delayed hypersensitivity responses during active infection. Sheagren JN, et al. **Am J Med** 60(2):300–5, Feb 76

Respective role of antibodies and immune macrophages during acquired immunity against toxoplasmosis in mice. Stadtsbaeder S, et al. **Ann Immunol (Paris)** 126C(4):461–74, Jun–Jul 75

Toxoplasma gondii: disease patterns in mice treated with the folate antagonist methotrexate. Stahl W, et al. **Exp Parasitol** 39(1):135–42, Feb 76

Toxoplasmosis and the compromised host. Viens R, et al. **Int J Clin Pharmacol Biopharm** 11(4):361–5, Jun 75 (25 ref.)

Pattern of toxoplasma antibodies in Malaysian pregnant women. Cheah WC, et al. **Med J Malaysia** 29(4):275–9, Jun 75

The prevalence of entamoeba histolytica and Toxoplasma gondii antibodies in Central Java, Indonesia. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 6(4):467–71, Dec 75

Serologic study of toxoplasmosis in Taiwan. Durfee PT, et al. **Southeast Asian J Trop Med Public Health** 6(2):170–4, Jun 75

Toxoplasma antibodies in Indonesian and Chinese medical students in Jakarta. Partono F, et al. **Southeast Asian J Trop Med Public Health** 6(4):472–6, Dec 75

The response of the mouse R–E system to infection with Toxoplasma gondii. Henry L, et al. **Virchows Archiv [Cell Pathol]** 20(1):55–69, 11 Feb 76

Cell–mediated hypersensitivity in guinea–pigs infected with toxoplasms gondii. Ourth DD, et al. **Z Immunitaetsforsch** 151(3):254–62, Apr 76

[Toxoplasmozis by adolescents. Immunological study (author's transl)] Jíra J, et al. **Cas Lek Cesk** 114(30):931–6, 25 Jul 75 (Eng. Abstr.) **(Cze)**

[Agar precipitation and its relation to complement fixation in toxoplasmosis (author's transl)] Jíra J, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(5):300–3, Sep 75 (Eng. Abstr.) **(Cze)**

[Serodiagnosis of toxoplasmosis by indirect immunofluorescence, complement fixation and its relationship with IgM anti–toxoplasma antibodies] Perea EJ, et al. **Bull Soc Pathol Exot** 67(2):175–83, Mar–Apr 74 (Eng. Abstr.) **(Fre)**

[Microprecipitation in agar (MPA) as a method for the demonstration of human and animal toxoplasma antibodies] Knaus BU. **Z Med Labortech** 16(3):139–40, 1975 (Eng. Abstr.) **(Ger)**

[Clinico–laboratory observations of recipients having received blood transfusions from donors with seropositive reactions in toxoplasmosis test] Volodina MR, et al. **Probl Gematol Pereliv Krovi** 20(7):45–6, Jul 75 **(Rus)**

[Determination of agglutinis in the IgM fraction as a simple method in diagnosis of acute toxoplasmosis] Averbach S, et al. **Medicina (B Aires)** 35(5):469–76, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

[Serologic survey in a population of Yucatan, Motul] Avilés RQ, et al. **Salud Publica Mex** 17(3):365–9, May–Jun 75 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Letter: Toxoplasma cysts in vaginal and cervical smears. San Cristobal A, et al. **Acta Cytol (Baltimore)** 20(4):285–6, Jul–Aug 76

Strain–dependent differences in murine susceptibility to toxoplasma. Araujo FG, et al. **Infect Immun** 13(5):1528–30, May 76

OCCURRENCE

Toxoplasma gondii and Coxiella burneti antibodies among Brazilian slaughterhouse employees. Riemann HP, et al. **Am J Epidemiol** 102(5):386–93, Nov 75

Toxoplasmosis in man and animals in South Kalimantan (Borneo), Indonesia. Durfee PT, et al. **Am J Trop Med Hyg** 25(1):42–7, Jan 76

The prevalence of toxoplasmosis on Pacific Islands, and the influence of ethnic group. Wallace GD. **Am J Trop Med Hyg** 25(1):48–53, Jan 76

Toxoplasmosis in the Rhodesian African. Goldsmid JM, et al. **Cent Afr J Med** 21(9):196–8, Sep 75

Toxoplasmosis in South India—a serological study. Bhatia VN, et al. **Indian J Med Res** 62(12):1818–25, Dec 74

Age–sex distribution of various diseases with particular reference to toxoplasmic lymphadenopathy. Beverley JK, et al. **J Hyg (Camb)** 76(2):215–28, Apr 76

Epidemiological aspects of toxoplasmosis. II. The prevalence of positive toxoplasmin reactions in naval recruits from different parts of Norway. Vaage L, et al. **Scand J Infect Dis** 7(3):218–21, 1975

Preliminary notes on the prevalence of human toxoplasmosis in Brazil. Ricciardi ID, et al. **Trans R Soc Trop Med Hyg** 69(5–6):516–7, 1975

Serological study of amebiasis and toxoplasmosis in the Lindu Valley, Central Sulawesi, Indonesia. Clarke MD, et al. **Trop Geogr Med** 27(3):274–8, Sep 75

[Epidemiologic and clinical aspects of toxoplasmosis] Bassleer J. **Acta Clin Belg** 30(2):72–82, 1975 (Eng. Abstr.) **(Fre)**

[Epidemiological factors and clinical characteristics of toxoplasmosis in Spain] Perea EJ, et al. **Bull Soc Pathol Exot** 67(2):183–93, Mar–Apr 74 (Eng. Abstr.) **(Fre)**

[Studies on the significance of raw–meat consumption and contact with animals for toxoplasma infection in man] Knaus BU. **Z Gesamte Hyg** 21(1):61–4, Jan 75 (Eng. Abstr.) **(Ger)**

[Toxoplasma gondii infection in the inhabitants of the city of Dresden] Müller WA. **Z Gesamte Inn Med** 30(2):69–75, 15 Jan 75 **(Ger)**

[Recent studies of the life cycle of Toxoplasma gondii and on the epidemiology of toxoplasmosis] Baldelli B. **Parassitologia** 16(1):21–45, Jan–Apr 74 (Eng. Abstr.) **(Ita)**

[Incidence of Toxoplasma gondi infections in rural and urban areas] Gomes UA, et al. **Rev Inst Med Trop Sao Paulo** 17(6):355–60, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Structural aspects at the individual level in the epidemiological process in human toxoplasmosis] Georgescu M. **Rev Ig [Bacteriol]** 21(2):105–10, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Epidemiology of toxoplasmosis (current status and research prospects)] Shevkunova EA. **Med Parazitol (Mosk)** 45(3):355–9, May–Jun 76 (39 ref.) (Eng. Abstr.) **(Rus)**

[Certain data on toxoplasmosis among children of Frunze] Schastlivaia TD, et al. **Zdravookhr Kirg** (1):45–7, Jan–Feb 76 **(Rus)**

PATHOLOGY

Pathologic quiz case 2: Lymphadenopathy due to acute acquired toxoplasmosis. Fechner RE. **Arch Otolaryngol** 102(7):442–3, 445, Jul 76

Morphologic study on the experimental lymph node toxoplasmosis. I. Early changes obtained in mice. Valkov I, et al. **Haematologica (Pavia)** 61(1):35–44, Mar 76

[Histopathological changes in the thymus of the white mouse after infection with Toxoplasma gondii (author's transl)] Pelster B, et al. **Z Parasitenkd** 49(2):113–25, 30 Apr 76 (Eng. Abstr.) **(Ger)**

[Lymphoglandular form of toxoplasmosis] Cicholska A, et al. **Nowotwory** 25(3):237–45, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[State of the cerebral and peripheral blood circulation in chronic neurotoxoplasmosis] Dobrzhanskaia AK, et al. **Zh Nevropatol Psikhiatr** 75(9):1304–7, 1975 (Eng. Abstr.) **(Rus)**

TRANSMISSION

The cat as a possible source of Toxoplasma infection for man. Jindřichová J, et al. **Folia Parasitol (Praha)** 22(4):309–15, 1975

Cockroaches as possible transport hosts of Toxoplasma gondii in Costa Rica. Chinchilla M, et al. **J Parasitol** 62(1):140–2, Feb 76

Toxoplasmosis in an infant fed unpasteurized goat milk. Riemann HP, et al. **J Pediatr** 87(4):573–6, Oct 75

Letter: Toxoplasma antibodies and cats. Chaves-Carballo E. **Lancet** 1(7954):309–10, 7 Feb 76

[A comparative study of the role of domestic cats and dogs in the epidemiology of toxoplasmosis] Shevkunova EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):64–8, May 76 (Eng. Abstr.) **(Rus)**

TOXOPLASMOSIS, ANIMAL

Letter: Toxoplasma encephalitis in a cat. Kyle RJ. **NZ Vet J** 23(1–2):13–4, Jan–Feb 75

Toxoplasmosis. Timoney JF Jr. **Vet Clin North Am** 6(3):379–83, Aug 76

[Sensitivity of inbred mice to toxoplasma of virulent and nonvirulent strains according to parasitological study data] Savina MA. **Parazitologiia** 9(5):443–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Study of the outcome of pregnancy in sheep with positive serologic reactions to toxoplasmosis according to the complement fixation test] Donev A. **Vet Med Nauki** 12(1):64–8, 1975 (Eng. Abstr.) **(Bul)**

DIAGNOSIS

[Fluorescence-histological demonstration of Toxoplasma gondii in porcine lymph nodes] Stoll L, et al. **Dtsch Tieraerztl Wochenschr** 83(4):137–40, 5 Apr 76 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Trimethoprim-sulfamethoxazole in murine toxoplasmosis. Remington JS. **Antimicrob Agents Chemother** 9(2):222–3, Feb 76

Chemotherapy in experimental toxoplasmosis: comparison of the efficacy of trimethoprim-sulfur and pyrimethamine-sulfur combinations. Seah SK. **J Trop Med Hyg** 78(7):150–3, Jul 75

[Experimental studies on the effect of the combination sulfamoxole/trimethoprim on the Toxoplasma infection of the mouse (author's transl)] Maier W, et al. **Arzneim Forsch** 26(42):620–2, 1976 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Study of the pathogenesis of toxoplasmosis by means of tagged atoms] Kovaleva EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):126–30, Sep 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Macrophage proliferation and activation during Toxoplasma gondii infection in mice: relationship to lymphocyte stimulation. Reikvam A. **Acta Pathol Microbiol Scand [C]** 84(2):124–30, Apr 76

Lymphocyte and macrophage adenyl cyclase activity in animals with enhanced cell-mediated resistance to infection and tumors. Droller MJ, et al. **Cell Immunol** 19(2):349–55, Oct 75

Blastogenic response of Toxoplasma-infected mouse spleen cells to T- and B-cell mitogens. Strickland GT, et al. **Clin Exp Immunol** 22(1):167–76, Oct 75

Detection of circulating antigen in acute experimental infections with Toxoplasma gondii. Raizman RE, et al. **J Infect Dis** 132(1):44–8, Jul 75

An in vitro study on lymphocyte-mediated immunity in mice experimentally infected with Toxoplasma gondii. Shirahata T, et al. **Jpn J Vet Sci** 37(3):235–43, Jun 75

Acquired resistance to infection with Schistosoma mansoni induced by Toxoplasma gondii. Mahmoud AA, et al. **Nature** 263(5572):56–7, 2 Sep 76

Serologic study of toxoplasmosis in Taiwan. Durfee PT, et al. **Southeast Asian J Trop Med Public Health** 6(2):170–4, Jun 75

[Cellular immune reactions of the white mouse after superinfection with Toxoplasma gondii (author's transl)] Pelster B. **Z Parasitenkd** 48(2):95–110, 23 Dec 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Toxoplasmosis in man and animals in South Kalimantan (Borneo), Indonesia. Durfee PT, et al. **Am J Trop Med Hyg** 25(1):42–7, Jan 76

Prevalence of toxoplasmosis in Tasmanian meat animals. Munday BL. **Aust Vet J** 51(6):315–6, Jun 75

Toxoplasmosis in small wild mammals occurring in southern Poland. pp. 539–53. Dymon M, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

A seroepidemiological survey of Trypanosoma and Toxoplasma in Rattus norvegicus in England. Arafa MS, et al. **J Egypt Public Health Assoc** 49(4–5):231–43, 1974

Toxoplasma infection of stray cats in Egypt. Rifaat MA, et al. **J Trop Med Hyg** 79(3):67–70, Mar 76

[Epidemiological factors and clinical characteristics of toxoplasmosis in Spain] Perea EJ, et al. **Bull Soc Pathol Exot** 67(2):183–93, Mar–Apr 74 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Toxoplasma-like organisms as the possible causative agents of a proliferative condition in farmed turbot (Scophthalmus maximus). pp. 561–4. Kirmse P, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

Toxoplasmosis in dasyurid marsupials. Attwood HD, et al. **J Wildl Dis** 11(4):543–51, Oct 75

Latent infection of toxoplasma in swine. Katsube Y, et al. **Jpn J Vet Sci** 37(3):245–52, Jun 75

Pathogenicity for several laboratory animals of toxoplasma oocysts originated from naturally infected cats. Ito S, et al. **Natl Inst Anim Health Q (Tokyo)** 15(3):122–7, Fall 75

[The effect of clotrimazole on the pathogen of toxoplasmosis, Toxoplasma gondii] Werner H, et al. **Arzneim Forsch** 26(1):53–5, 1976 (Eng. Abstr.) **(Ger)**

[Toxoplasmosis in dogs in São Paulo] Sogorb F, et al. **Rev Inst Med Trop Sao Paulo** 18(1):36–41, Jan–Feb 76 (Eng. Abstr.) **(Por)**

[Experimental infestation of nutria with RH strain Toxoplasma] Butabaeva MB, et al. **Veterinariia** (10):70–1, Oct 75 **(Rus)**

PATHOLOGY

The effect of endo-enteric development of Toxoplasma gondii on the ultrastructure of epithelial cells of the small intestine of infected cats. Ferguson DJ, et al. **Acta Pathol Microbiol Scand [B]** 84(4):189–95, Aug 76

Age and sex differences in the response of lymph node post-capillary venules in mice infected with Toxoplasma gondii. Henry L, et al. **Br J Exp Pathol** 57(3):274–80, Jun 76

PREVENTION & CONTROL

Effects of pyrimethamine and sulfadiazine on the intestinal development of Toxoplasma gondii in cats. Sheffield HG, et al. **Am J Trop Med Hyg** 25(3):379–83, May 76

The use of irradiated vaccine in immunization against experimental murine toxoplasmosis. Seah SK, et al. **Can J Microbiol** 21(9):1379–85, Sep 75

TRANSMISSION

Acquired toxoplasmic chorioretinitis. Saari M, et al. **Arch Ophthalmol** 94(9):1485–8, Sep 76

Reshedding of Toxoplasma oocysts by chronically infected cats. Dubey JP. **Nature** 262(5565):213–4, 15 JUL 76

Sporoza in animals with particular reference to Toxoplasma and Sarcocystis. Hartley WJ. **NZ Vet J** 24(1–2):1–5, Jan–Feb 76

TOXOPLASMOSIS, CONGENITAL

Toxoplasmosis: silent congenital infection. pp. 133–57. Alford CA Jr, et al. **In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.** (47 ref.)

Toxoplasmosis: epidemiologic and serologic aspects of perinatal infection. pp. 115–32. Desmonts G, et al. **In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.** (29 ref.)

The 'torch syndrome. Shin YH, et al. **Pediatr Ann** 5(2):106–13, Feb 76

Congenital infection due to toxoplasma. Fleck DG. **Proc R Soc Med** 68(6):368–9, Jun 75

Congenital toxoplasmosis in Indonesia. Partono F, et al. **Trop Geogr Med** 28(1):63–4, Mar 76

[Problem of Toxoplasma embryopathies] Iygiste AK, et al. **Sov Med** (11):107–11, Nov 75 **(Rus)**

[Congenital toxoplasmosis] Villegas-González J, et al. **Bol Med Hosp Infant Mex** 33(1):137–49, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Toxoplasmosis. Clinical characteristics and treatment (author's transl)] Apt W. **Rev Med Chil** 103(9):621–7, Sep 75 (Eng. Abstr.) **(Spa)**

BLOOD

[Hematological and immunological abnormalities in congenital toxoplamosis] Arnaud JP, et al. **Nouv Rev Fr Hematol** 15(4):496–505, Jul–Aug 75 **(Fre)**

CEREBROSPINAL FLUID

[Liquor-cytological findings in children with congenital toxoplasmosis] Wiersbitzky S. **Kinderaerztl Prax** 43(3):108–11, Mar 75 **(Ger)**

COMPLICATIONS

[Subdural hygromas in infants with congenital toxoplasmosis] Jablońska-Ulbrych A, et al. **Pediatr Pol** 51(7):803–10, 1976 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Modified fluorescent antibody technique to detect immunoglobulin M antibodies to Toxoplasma gondii in congenital infection. Robertson PW, et al. **J Clin Microbiol** 2(5):461–2, Nov 75

[Letter: Significance of Toxoplasma infections for public health] Koppe JG. **Ned Tijdschr Geneeskd** 119(38):1477, 20 Sep 75 **(Dut)**

[Congenital toxoplasmosis demonstrated by isolation and cultivation of the pathogenic agent] Csóka R, et al. **Orv Hetil** 116(44):2607–8, 2 Nov 75 **(Hun)**

[Serodiagnosis of toxoplasmosis in pregnancy] Camargo ME. **Rev Assoc Med Bras** 21(11):341–4, Nov 75 **(Por)**

FAMILIAL & GENETIC

Congenital toxoplasmosis in twins: a series of 14 pairs of twins: absence of infection in one twin in two pairs. Couvreur J, et al. **J Pediatr** 89(2):235–40, Aug 76

IMMUNOLOGY

Some remarks on the immunopathology of toxoplasmic uveitis. Desmonts G. **Mod Probl Ophthalmol** 16:228–32, 1976 (7 ref.)

OCCURRENCE

An estimation of the incidence of congenital toxoplasmosis in São Paulo city, Brasil. de Castilho EA. **Rev Inst Med Trop Sao Paulo** 18(3):202–5, May–Jun 76

PATHOLOGY

[Congenital toxoplasmosis with activation of extramedullary hematopoiesis in a premature infant] Povýšilová V. **Cesk Patol** 11(3):127–34, Aug 75 (Eng. Abstr.) **(Cze)**

PREVENTION & CONTROL

[Prevention of congenital toxoplasmosis. Results at the maternity department of the Hôpital Saint-Antoine in 1972] Roux C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):557–69, Jun 75 (Eng. Abstr.) **(Fre)**

TOXOPLASMOSIS, OCULAR

[Toxoplasmosis. I. Etiology, clinical aspects, diagnosis] Marcinkowski K. **Klin Oczna** 46(5):549–53, May 76 **(Pol)**

DIAGNOSIS

[Manifestations on the visual organs in toxoplasmosis] Miovski D, et al. **God Zb Med Fak Skopje** 17:507–11, 1971 **(Ser)**

ETIOLOGY

Ocular toxoplasmosis in an adult receiving long-term corticosteroid therapy. Nicholson DH, et al. **Arch Ophthalmol** 94(2):248–54, Feb 76

Editorial: Dangers of steroid treatment in toxoplasmosis. Periocular injections and systemic therapy. O'Conner GR, et al. **Arch Ophthalmol** 94(2):213, Feb 76

Acquired toxoplasmic chorioretinitis. Saari M, et al. **Arch Ophthalmol** 94(9):1485–8, Sep 76

[Role of chronic toxoplasmosis infection in pathology of the nervous system and eyes in adults] Shevkunova EA, et al. **Zh Nevropatol Psikhiatr** 75(9):1307–12, 1975 (Eng.

Abstr.) (Rus)

IMMUNOLOGY

Some remarks on the immunopathology of toxoplasmic uveitis. Desmonts G. **Mod Probl Ophthalmol** 16:228–32, 1976 (7 ref.)

OCCURRENCE

[New contribution to the study of ocular toxoplasmosis in western France] Morin O, et al. **Ann Parasitol Hum Comp** 50(2):161–5, Mar–Apr 75 (Eng. Abstr.) (Fre)

[The significance of toxoplasma infections in eye diseases in Turkey] Ozcan K. **Mikrobiyol Bul** 9(4):281–90, Oct 75 (Eng. Abstr.) (Tur)

PATHOLOGY

Experimental Toxoplasma retinitis: a light and electron microscopical study. Yoshizumi MO. **Arch Pathol Lab Med** 100(9):487–90, Sep 76

TOYOCAMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

TOYOMICIN see under **CHROMOMYCINS**

TPN see **NADP**

TRACE ELEMENTS

An estimation of mineral losses through arm sweat of preadolescent children. Harrison ME, et al. **Am J Clin Nutr** 29(8):842–6, Aug 76

Nutritional importance of some trace elements and early signs of their deficiency. Tarján R, et al. **Bibl Nutr Dieta** (23):137–44, 1976 (35 ref.)

Role of trace elements in cancer. Schwartz MK. **Cancer Res** 35(11 Pt. 2):3481–7, Nov 75 (90 ref.)

Investigation of the transport of metals and orthophosphate away from a sewage treatment plant outfall. Bailey SM, et al. **Environ Lett** 10(2):159–69, 1975

Interaction of metal binding agents from combustion products with trace metals. pp. 355–60. Michael LW, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

The role of trace elements in human nutrition and metabolism. pp. 156–77. Tuman RW, et al.
In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (59 ref.)

Origin and early evolution of transition element enzymes. Egami F. **J Biochem (Tokyo)** 77(6):1165–9, Jun 75

Heavy metals and other trace elements. Leland HV. **J Water Pollut Control Fed** 47(6):1635–56, Jun 75 (201 ref.)

Trace elements and drug metabolism. Becking GC. **Med Clin North Am** 60(4):813–30, Jul 76 (61 ref.)

Trace metals in endocrinology. Henkin RI. **Med Clin North Am** 60(4):779–97, Jul 76 (128 ref.)

Animal nutrition to human nutrition: achievements and prospects. Hetzel BS. **Nature** 261(5562):640–3, 24 Jun 76

Trace elements: adventitious yet essential dietary ingredients. Chesters JK. **Proc Nutr Soc** 35(1):15–22, May 76 (57 ref.)

The trace elements: A new chapter in nutrition. Fox FW. **S Afr Med J** 49(40):1629–41, 20 Sep 75

[Editorial: Trace elements and cardiovascular diseases] Vanderman IA, et al. **Harefuah** 90(6):281–3, 15 Mar 76 (Heb)

[Essential trace elements in nutrition] Hongslo JK. **Nor Tannlaegeforen Tid** 85(9):353–6, Oct 75 (Nor)

[Therapy and prevention of gynecologic diseases of cows] Samokhin VT, et al. **Veterinariia** (7):68–71, Jul 75 (Rus)

[Level of trace elements in chicken meat] Khamidullina L. **Vopr Pitan** (4):79–80, Jul–Aug 75 (Rus)

ADMINISTRATION & DOSAGE

[Significance of trace elements within the scope of parenteral feeding as illustrated on the example of the elements copper, zinc and chromium] Seeling W, et al. **Z Ernaehrungswiss** 14(4):302–8, Dec 75 (Eng. Abstr.) (Ger)

ANALYSIS

A simple gas chromatographic method for the analysis of trace organics in ambient air. Parkes DG, et al. **Am Ind Hyg Assoc J** 37(3):165–73, Mar 76

Ultratrace metals in some environmental and biological systems. Dulka JJ, et al. **Anal Chem** 48(8):640A–653A, Jul 76

Characterization of trace metal—organic interactions by anodic stripping voltammetry. O'Shea TA, et al. **Anal Chem** 48(11):1603–7, Sep 76

Solvent extraction study for simultaneous determination of six trace metals in river water. Tweeten TN, et al. **Anal Chem** 48(1):64–7, Jan 76

Epithermal neutron activation analysis of elements present in trace quantities in biological materials. Brune D, et al. **Anal Chim Acta** 85(2):411–4, Sep 76

Determination of seven trace elements in natural waters after separation by solvent extraction and anion–exchange chromatography. Korkisch J, et al. **Anal Chim Acta** 79:207–18, Oct 75

A separation scheme for the determination of trace elements in biological materials by neutron activation analysis. Lievens P, et al. **Anal Chim Acta** 80:97–108, Nov 75

A two–group separation scheme for the determination of eleven trace elements in biological material by neutron activation analysis. Steinnes E. **Anal Chim Acta** 78(2):307–15, Sep 75

Electrothermal atomic absorption spectrometry of trace metals in biological fluids. Sunderman FW Jr. **Ann Clin Lab Sci** 5(6):421–34, Nov–Dec 75

Trace element contamination of intravenous solutions. Jetton MM, et al. **Arch Intern Med** 136(7):782–4, Jul 76

Determination of trace elements in surface enamel of human teeth by a new biopsy procedure. Brudevold F, et al. **Arch Oral Biol** 20(10):667–73, Oct 75

The use of reference materials in the elemental analysis of biological samples. Bowen HJ. **At Energy Rev** 13(3):451–77, Sep 75

Qualitative and quantitative mass spectrometry of some biologically important trace metals as their tetraphenylporphyrin chelates. Davis BA, et al. **Biomed Mass Spectrom** 3(2):71–6, Apr 76

Trace elements in water and congenital malformations of the central nervous system in South Wales. Morton MS, et al. **Br J Prev Soc Med** 30(1):36–9, Mar 76

Trace metal levels in beach dipterans and amphipods. Bender JA. **Bull Environ Contam Toxicol** 14(2):187–92, Aug 75

Letter: Collection of blood uncontaminated with Ca, Cu, Mg, or Zn, for trace–metal analysis. Hughes RO, et al. **Clin Chem** 22(5):691–2, May 76

Levels of toxic metals in marine organisms collected from Southern California coastal waters. Fowler BA, et al. **Environ Health Perspect** 12:71–6, Dec 75

The EPA National Fuels Surveillance Network. I. Trace constituents in gasoline and commercial gasoline fuel additives. Jungers RH, et al. **Environ Health Perspect** 10:143–50, Apr 75

Mass balance of trace elements in Walker branch watershed: relation to coal–fired steam plants. Lindberg SE, et al. **Environ Health Perspect** 12:9–18, Dec 75

Partitioning of trace metals in selective chemical fractions of nearshore sediments. Gupta SK, et al. **Environ Lett** 10(2):129–58, 1975 (19 ref.)

Trace elements in cervical mucus. pp. 122–27. Elstein M, et al.
In: Elstein M et al., ed. Cervical mucus in human reproduction. Copenhagen, Scriptor, 1973. WQ 205 C419 1972. (27 ref.)

Determinations of trace elements in human liver and prostate sections. pp. 317–22. Kubo H, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

The use of aquatic macrophytes as indicators of trace metal contamination in fresh water lakes. pp. 157–67. Mayes R, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Application of isotope dilution to the high accuracy trace analysis of environmental and health standards. pp. 311–6. Moore LJ, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Trace element content of household water. pp. 41–6. Strain WH, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Trace elements in soils and surface waters contaminated by past metalliferous mining in parts of England. pp. 77–88. Thornton I, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Trace elements impact on forest floor litter in the new lead belt region of southeastern Missouri. pp. 227–36. Watson AP.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Studies on gall–stone composition. Part I—Analysis of biliary calculi by emission spectroscopy. Ananthakrishnan N, et al. **Indian J Med Res** 63(1):36–40, Jan 75

Proton–induced x–ray emission in the trace analysis of human tooth enamel and dentine. Ahlberg M, et al. **Int J Appl Radiat Isot** 27(5–6):279–90, May–Jun 76

XRF analysis improvement by a simple and fast pre–enrichment method. Cesareo R, et al. **Int J Appl Radiat Isot** 27(1):58–60, Jan 76

Trace elements in human pituitary. Kanabrocki EL, et al. **Int J Nucl Med Biol** 3(2):73–6, Apr 76

Some elements and their relationships in Ascaris suum. Ince AJ. **Int J Parasitol** 6(2):127–8, Apr 76

Trace element analysis of wine by proton–induced x–ray fluorescence spectrometry. Noble AC, et al. **J Agric Food Chem** 24(3):532–5, May–Jun 76

Hair analysis: what does it tell us? Lazar P. **J Am Dent Assoc** 92(6):1214, Jun 76

Variability in mineral and trace element content of dairy cattle feeds. Adams RS. **J Dairy Sci** 58(10):1538–48, Oct 75 (14 ref.)

On the normal histochemistry of trace metals in the brain. Haug FM. **J Hirnforsch** 16(2):151–62, 1975

Metal contaminants in various food colours. Khanna SK, et al. **J Sci Food Agric** 27(2):170–4, Feb 76

Simultaneous determinations of Fe, Cu, Zn, and Br concentrations in human tissue sections. Kubo H, et al. **Med Phys** 3(4):204–9, Jul–Aug 76

Line–focusing x–ray monochromator for the analysis of trace elements in biological specimens. Ong PS, et al. **Med Phys** 3(2):74–9, Mar–Apr 76

Trace elements in the enamel of teeth from New Zealand and the USA. Curzon ME, et al. **NZ Dent J** 71(324):80–3, Apr 75

Trace element distributions across the diameter of human hair. Cookson JA, et al. **Phys Med Biol** 20(6):1015–20, Nov 75

The measurement of trace metals in man. Delves DT. **Proc R Soc Med** 69(7):471–3, Jul 76

Trace element concentrations in higher fungi. Byrne AR, et al. **Sci Total Environ** 6(1):65–78, Jul 76

Surface predominance of trace elements in airborne particles. Linton RW, et al. **Science** 191(4229):852–4, 27 Feb 76

Trace metal content of cerebral vessels in American Blacks, Caucasians and Nigerian Africans. Taylor GO, et al. **Stroke** 6(6):684–90, Nov–Dec 75

Trace elements in Isoparorchis hypselobagri. Srivastava M, et al. **Z Parasitenkd** 48(3–4):271–3, 6 Feb 76

[Establishing trace elements in the environment on the basis of honeybee gathering activity] Shabanov M, et al. **Acta Microbiol Virol Immunol (Sofiia)** 2:105–8, 1975 (Eng. Abstr.) (Bul)

[Influence of industrialization on trace element concentration in human lungs] Persigehl M, et al. **Beitr Pathol** 157(3):260–8, May 76 (Eng. Abstr.) (Ger)

[Trace element content of infant foods and infusion solutions] pp. 137–48. Moeller H, et al.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Analysis of trace elements in newborn infants] pp. 103–12. Panteliadis C.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Method of neutron activation analysis and flameless atomic absorption spectroscopy and their application to the determination of trace elements in biological material] pp. 31–8. Schramel P.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Behavior of the transition elements Cr, Mn, Co, Ni, Cu, and Zn in the serum and urine of polytraumatized intensive care patients] pp. 159–77. Seeling W, et al.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Trace elements in the nourishment of infants] pp. 113–20. Stolley H, et al.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Trace element studies of the human placenta] pp. 97–102. Thieme R.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Trace elements in human nutrition with special attention to iodine and fluorine] pp. 201–14. Marthaler T.
In: Brubacher G, Ritzel G, ed. Zur Ernahrungssituation der schweizerischen Bevolkerung. Bern, Huber, 1975. QU 146 GS9 Z9 1975. (Ger)

[Trace analysis of elements. Numerical lotto or exact science?] Tölg G. **Naturwissenschaften** 63(3):99–110, Mar 76 (Eng. Abstr.) (Ger)

[Study of trace element distribution in human bone by neutron activation analysis] Behne D, et al. **Strahlentherapie [Sonderb]** 74:475–80, 1975 (Eng. Abstr.) (Ger)

[Trace element concentration and their dependence on age in defined areas of the human brain] Völkl A, et al. **Verh Anat Ges** 68:367–73, 1974 (Eng. Abstr.) (Ger)

[Trace element content in the internal female genitalia of the fetus in the 2d half of pregnancy] Fedorova NN. **Arkh Anat Gistol Embriol** 70(2):26–9, Feb 76 (Eng. Abstr.) (Rus)

[Tissue specificity of microelement binding with DNA in vivo] Andronikashvili EL, et al. **Dokl Akad Nauk SSSR** 227(5):1244–6, 11 Apr 76 (Rus)

[Content of microelements (iodine, cobalt, manganese, copper and zinc) in food rations of school children of Tashkent] Zinkina VN, et al. **Pediatriia** (11):72–3, Nov 75 (Rus)

[Bone marrow content of certain microelements in silicosis and silicotuberculosis] Bronnikov VI, et al. **Probl Tuberk** (11):54–7, 1975 (Rus)

[Trace element content in the meat of swine fattened by various methods] Volokhova ES. **Veterinariia** (4):99, Apr 75 (Rus)

[Trace element content in the blood and gastric juice in peptic ulcer and chronic gastritis] Ermolaev VA. **Voen Med Zh** (9):69–70, Sep 75 (Rus)

[Trace element content and the copper oxidase activity in the blood and placenta in premature labor] Priakhina LI, et al. **Vopr Okhr Materin Det** 20(10):88–9, Oct 75 (Rus)

[Trace elements in the water of South Kirghizian lakes] Zakusilova RM, et al. **Zdravookhr Kirg** (3):25–7, May–Jun 76 (Rus)

BLOOD

Serum molybdenum, manganese, copper, zinc, iron and stature of dairymen in an Iris bog. Casey AE, et al.

Ala J Med Sci 12(4):388–93, Oct 75

Plasma trace metals during total parenteral alimentation. Solomons NW, et al. **Gastroenterology** 70(6):1022–5, Jun 76

Demonstration of whole blood analysis using proton-induced x-ray emission. Malanify JJ, et al. **Med Phys** 3(2):91–4, Mar–Apr 76

Blood trace metals in military recruits. Creason JP, et al. **South Med J** 69(3):289–93, Mar 76

Whole blood trace element concentrations during total parenteral nutrition. Hankins DA, et al. **Surgery** 79(6):674–7, Jun 76

[Concentrations of zinc, selenium, rubidium, cobalt and iron in maternal serum and in the umbilical artery and vein, with special attention to iron circulation after oral administration of enriched iron-58] pp. 89–95. Höck A, et al.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Trace element concentrations in the serum of children with metabolic abnormalities on synthetic diets] pp. 149–58. Lombeck I, et al.
In: Betke K, Bidlingmaier F, ed. Spureuelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Trace elements in the blood of a selected collective in Basle] pp. 215–8. Schöttli G.
In: Brubacher G, Ritzel G, ed. Zur Ernahrungssituation der schweizerischen Bevolkerung. Bern, Huber, 1975. QU 146 GS9 Z9 1975. (Ger)

[The effect of premedication and general anesthesia on the level of microelements (iron, copper, zinc) in the serum during mitral commissurotomy] Kaniuk II.
Eksp Khir Anesteziol (2):72–5, Mar–Apr 76 (Eng. Abstr.) (Rus)

[Hemodynamic and biochemical shifts in ulcer disease complicated by pyloro-duodenal stenosis] Poliakov NG, et al. **Klin Med (Mosk)** 53(11):31–5, Nov 75 (Rus)

[Content of certain trace elements in the blood of children with bronchial asthma] Mazharov VF. **Pediatriia** (1):48, Jan 74 (Rus)

[Study of some trace elements in patients with chronic hyposideremic anemia] Al'perin PM, et al.
Probl Gematol Pereliv Krovi 20(8):40–3, Aug 75 (Eng. Abstr.) (Rus)

[Peculiarities of the metabolism of some macro- and microelements in female carriers of hemophilia] Fedorova ZD, et al. **Probl Gematol Pereliv Krovi** 21(1):19–21, Jan 76 (Eng. Abstr.) (Rus)

[Bioelements in the blood of patients with otosclerosis] As'kova LN. **Vestn Otorinolaringol** (5):21–3, Sept–Oct 1974 (Eng. Abstr.) (Rus)

[Relationship between mineralocorticoid function of the adrenal cortex and certain microelements of blood in acute disorders of cerebrovascular circulation] Ishchenko MM, et al. **Vrach Delo** (2):23–7, Feb 76 (Eng. Abstr.) (Rus)

[Trace elements in lead poisoning] Taushan MD.
Vrach Delo (1):122–4, Jan 74 (Eng. Abstr.) (Rus)

[Microelements and electrolytes of blood in chronic microintoxication with zinc compounds] Taushan MD.
Vrach Delo (8):137–40, Aug 75 (Eng. Abstr.) (Rus)

[Quantitative determination of trace elements in biological fluids by means of emission spectral analysis] Kazakov SB, et al. **Farm Zh** 31(3):74–5, May–Jun 76 (Ukr)

DEFICIENCY

Interaction of genes and metals in development. Hurley LS. **Fed Proc** 35(11):2271–5, Sep 76 (43 ref.)

Trace mineral deficiencies in rats caused by feeding rapeseed flours during growth, gestation and lactation. Anderson GH, et al. **J Nutr** 106(8):1166–74, Aug 76

ISOLATION & PURIFICATION

The separation by thin-layer chromatography of trace metals as their tetraphenylporphyrin chelates. Hui KS, et al.
J Chromatogr 115(2):581–6, 24 Dec 75

METABOLISM

Distribution of some protein-bound trace elements among soluble protein fractions from human liver. Norheim G, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):137–44, Feb 76

Use of pattern recognition to classify beef cardiovascular tissues on the basis of their trace metal compositions. Webb J, et al. **Bioinorg Chem** 5(3):261–6, 1976

Distribution of 8 trace metals in beef heart tissue. Webb J, et al. **Bioinorg Chem** 5(3):253–9, 1976

Hair—metal binding. Hinners TA, et al.
Environ Health Perspect 8:191–9, Aug 74

Osteogenic sarcoma: influence of trace metals in experimental induction. pp. 433–9. Janes JM, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Influence of dietary ascorbic acid and copper on tissue trace elements, cholesterol and hemoglobin. pp. 441–9. Tsai CM, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Comparative behaviour of toxic metals in a marine ecosystem. pp. 69–76. Geldiay R, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

Uptake of trace elements in human hair by anion exchange. Steinnes E. **Int J Appl Radiat Isot** 26(10):595–9, Oct 75

New concepts and developments in metabolism and homeostasis of inorganic elements in dairy cattle. A review. Miller WJ. **J Dairy Sci** 58(10):1549–60, Oct 75 (86 ref.)

Hepatic trace elements in the sudden infant death syndrome. Lapin CA, et al. **J Pediatr** 89(4):607–8, Oct 76

Mineral metabolism in uremia. Alfrey AC, et al.
Kidney Int [Suppl] (2):85–9, Jan 75

A study of trace and minor elements in the solid tumor model 3924A hepatoma before and after treatment with t-fluorouracil. Brookhart W, et al. **Life Sci** 17(2):233–40, 15 Jul 75

Trace element in infectious processes. Beisel WR.
Med Clin North Am 60(4):831–49, Jul 76 (87 ref.)

The distribution of trace elements in human hair and its possible effect on reported elemental concentration levels. Renshaw GD. **Med Sci Law** 16(1):37–9, Jan 76

Assessment of trace element metabolism in farm animals. Vagg MJ. **Proc R Soc Med** 69(7):473–4, Jul 76

Trace metal levels in cancer of the breast. Santoliquido PM, et al. **Surg Gynecol Obstet** 142(1):65–70, Jan 76

[Microelements and cardiovascular diseases] Vladimirov V, et al. **Vutr Boles** 13(6):20–5, 1974 (34 ref.) (Bul)

[Elements essential for life] Valković V. **Lijec Vjesn** 97(4):213–9, 1975 (Eng. Abstr.) (Cro)

[Uptake, mobilization, and transport of trace elements in the human and animal organisms] pp. 77–87. Behne D.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Neglected elements in malnutrition] pp. 179–87. Kerpel-Fronius E.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Experimental studies on trace element metabolism. Absorption, availability in intermediate metabolism and perinatal care] p. 39. Kirchgessner M, et al.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Effects of pregnancy and lactation on the metabolism of essential elements in mammals] pp. 69–75. Kollmer WE.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Trace elements in teeth] Hongslo JK.
Nor Tannlaegeforen Tid 85(8):310–3, Sep 75 (Nor)

[Content of certain microelements and enzymes in blood and tissues of the genital organs of healthy women depending on the phase of menstrual cycle] Grebenchuk LV, et al. **Akush Ginekol (Mosk)** (5):69–71, May 75 (Rus)

[Relationship between electrolyte content and phase analysis of the systoles in ischemic heart disease] Selivonenko VG. **Kardiologiia** 15(6):134, Jun 75 (Rus)

[Content of certain trace elements in the erythrocytes, plasma, urine, and internal organs of animals and the activity of ceruloplasmin in experimental nephritis] Strizhkova SN. **Patol Fiziol Eksp Ter** (2):72–4, Mar–Apr 75 (Eng. Abstr.) (Rus)

[Effect of magnesium concentration in the culture medium on the trace element requirement of yeasts] Korotchenko NI, et al. **Prikl Biokhim Mikrobiol** 11(6):873–6, Nov–Dec 75 (Eng. Abstr.) (Rus)

[Metabolism of microelements in patients operated on for pulmonary tuberculosis] Bernikova EM, et al.
Probl Tuberk (11):46–9, 1975 (Eng. Abstr.) (Rus)

[Level of microelements in the sputum of patients with inflammatory and tumorous processes of the lungs] Trubnikov GV. **Ter Arkh** 47(8):132–7, 1975 (Eng. Abstr.) (Rus)

[Effect of super-high frequency fields of varying intensity on the balance and metabolism of copper, manganese, molybdenum and nickel in experimental animals] Gabovich RD, et al. **Vestn Akad Med Nauk SSSR** (3):16–22, 1975 (Eng. Abstr.) (Rus)

[Disorders in macro- and microelement metabolism in eczema and their significance in the pathogenesis of the disease] Totoonov BA. **Vestn Dermatol Venerol** (12):17–20, Dec 75 (Eng. Abstr.) (Rus)

[Metabolism of trace elements in experimental alcoholic intoxication] Chukhrienko DP, et al. **Vrach Delo** (2):117–8, Feb 74 (Eng. Abstr.) (Rus)

[Disorders of metabolism of certain trace elements in myocardial infarct] Polikarpov BM, et al. **Vrach Delo** (2):34–7, Feb 74 (Eng. Abstr.) (Rus)

[Trace elements and vitamin C metabolism in patients with torpid rheumatism] Pshetakovskii IL. **Vrach Delo** (1):35–9, Jan 76 (Eng. Abstr.) (Rus)

[Metabolism of certain microelements and the indicators of the activity of metalloproteins conjugated with them in patients with chronic gastritis] Vasil'eva LE.
Vrach Delo (3):67–70, Mar 76 (Eng. Abstr.) (Rus)

[Effect of different ultraviolet irradiation regimens on the metabolism and interorganic distribution of certain trace element metals (Cu, Mn, Ni, Mo)] Gabovich RD, et al.
Fiziol Zh 21(6):827–32, Nov–Dec 75 (Eng. Abstr.) (Ukr)

[Characteristics of trace element distribution in the placentas of parturients with heart defects] Lutsenko GE, et al.
Pediatr Akush Ginekol :40–2, May–Jun 76 (Ukr)

PHARMACODYNAMICS

Interrelationships of selenium with other trace elements. Hill CH. **Fed Proc** 34(11):2096–100, Oct 75

Effects of minerals on the production of methionine by Micrococcus glutamicus. Banik AK, et al.
Indian J Exp Biol 13(5):510–2, Sep 75

Effect of trace elements on dissolution of hydroxyapatite by cariogenic streptococci. Herbison RJ, et al. **J Dent Res** 54(6):1107–14, Nov–Dec 75

Influence of cadmium and other trace metals on human alpha1-antitrypsin: an in vitro study. Chowdhury P, et al. **Science** 191(4226):480–1, 6 Feb 76

Effects of trace elements and phosphate fertilizer on microbial activities of semi-humid soils. El-Shinnawi MM. **Zentralbl Bakteriol [Naturwiss]** 130(1):27–33, 1975

[Interactions determining the character of reaction in the organism to various trace elements] Pařizek J.
Cesk Fysiol 24(4):325–30, 1975 (Cze)

[State of labyrinth tonic posture reflexes during administration to rabbits of microelements (copper, manganese and cobalt)] Raitses VS, et al.
Kosm Biol Aviakosm Med 10(1):45–50, Jan–Feb 76 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Trace elements, hematopoiesis and hemopathies] Georgieva B. **Vutr Boles** 14(6):1–5, 1975 (24 ref.) (Bul)

[Trace elements, hematopoiesis and hemopathies] Georgieva B. **Vutr Boles** 15(2):15–8, 1976 (24 ref.) (Bul)

[The development of nutritional science. The trace elements] Tarján R. **Bibl Nutr Dieta** 21(21):57–67, 1975 (Ger)

[Problems of the homeostasis of essential trace elements] pp. 121–36. Kasperek K.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[New information on the essential character of some trace elements] pp. 1–30. Schwarz K.
In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974. (Ger)

[Action of iron and manganese microelements in modifying radiobiological effects in wheat] Il'ina GV, et al.
Radiobiologiia 15(3):415–9, May–Jun 75 (Eng. Abstr.) (Rus)

POISONING

Nutrition: toxicology and pharmacology. Hathcock JN.
Lille Med 34(3):65–70, Mar 76 (76 ref.)

[The effect of water with different mineralization levels on the body of animals] Gabovich RD, et al. **Gig Sanit** (10):25–9, Oct 75 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Experimental study of a combination preparation of a ferrodextran complex, gamma-globulin, trace elements and vitamins] Boiadzhieva A, et al. **Vet Med Nauki** 12(8):45–51, 1975 (Bul)

[Effect of some trace elements on Heterakis gallinarum invasion] Stoimenov K. **Vet Med Nauki** 13(2):5–11, 1976 (Eng. Abstr.) (Bul)

[Studies on the effectiveness of a drug combination for the supportive treatment of marginal periodontal diseases] Danz D. **ZWR** 85(4):170–1, 25 Feb 76 (Ger)

[Results of group goiter prevention with a complex of microelements (iodine, cobalt, manganese) in the schoolchildren of Tashkent] Islambekov RK, et al.
Probl Endokrinol (Mosk) 22(1):30–2, Jan–Feb 76 (Rus)

[Effect of combinations of trace elements and vitamins in inositol metabolism and the morphohistochemical indices in the isoniazid treatment of experimental tuberculosis] Sodikov ES, et al. **Probl Tuberk** (7):75–9, Jul 76 (Eng. Abstr.) (Rus)

[Use of orcomin in combined treatment of acute pneumonia] Shpak BIu, et al. **Vrach Delo** (3):93–6, Mar 76 (Eng. Abstr.) (Rus)

TOXICITY

Interrelationships among trace elements. pp. 498–510. Parizek J.
In: Nordberg GF, ed. Effects and dose-response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974. (106 ref.)

URINE

Neutron activation analysis for bulk and trace elements in urine. Cornelis R, et al. **Anal Chim Acta** 78(2):317–27, Sep 75

Measurement of trace elements in urine. MacFarlane SK. **Proc R Soc Med** 69(7):476–7, Jul 76

TRACHEA

see related
ANESTHESIA, INTRATRACHEAL
INTUBATION, INTRATRACHEAL

Foreign bodies of the tracheobronchial tree and esophagus. Dalil-Tojari A. **Acta Med Iran** 18(3–4):155–60, 1975

Laryngotracheal residue during endotracheal anesthesia. Lee CM, et al. **Anesth Analg (Cleve)** 55(3):392–3, May–Jun 76

Actual tracheal oxygen concentrations with commonly used

oxygen equipment. Gibson RL, et al. **Anesthesiology** 44(1):71–3, Jan 76

Lidocaine in arterial blood after laryngotracheal administration. Viegas O, et al. **Anesthesiology** 43(4):491–3, Oct 75

Editorial: Food choking and the 'Heimlich maneuver'. **Br Med J** 1(6014):855–6, 10 Apr 76

Letter: Food choking and the 'Heimlich maneuver'. McLintock DG. **Br Med J** 1(6018):1148, 8 May 76

Comparison of tracheobronchial suction catheters in humans. Visualization by fiberoptic bronchoscopy. Jung RC, et al. **Chest** 69(2):179–81, Feb 76

Letter: Tracheobronchial suction catheters. Sackner MA. **Chest** 70(2):318–20, Aug 76

Foreign bodies in the tracheobronchial tree and oesophagus of children. Singh M, et al. **Indian Pediatr** 13(1):25–30, Jan 76

Demonstration of a nonadrenergic inhibitory nervous system in the trachea of the guinea pig. Richardson JB, et al. **J Allergy Clin Immunol** 56(6):473–80, Dec 75

Transtracheal aspiration: a useful technique for the internist. Biery DL. **J Am Osteopath Assoc** 75(1):22–6, Sep 75

Influence of oxygen and culture media on maintenance of whole hamster trachea organ cultures and replication of Sendai virus. Schiff LJ, et al. **J Clin Microbiol** 1(1):44–9, Jan 75

Tracheal aspirate lecithin/sphingomyelin ratios as predictors of recovery from respiratory distress syndrome. Kanto WP Jr, et al. **J Pediatr** 89(4):612–6, Oct 76

Letter: Lecithin/sphingomyelin ratio in tracheal aspirate. Peleg D, et al. **Lancet** 1(7970):1188, 29 May 76

Unusual complications caused by a foreign body in the tracheobronchial tree. Rehuřek L. **Laryngoscope** 85(10):1767–9, Oct 75

Management of tracheobronchial foreign bodies in children: a reevaluation of postural drainage and bronchoscopy. Law D, et al. **Pediatrics** 58(3):362–7, Sep 76

Tracheal smooth muscle—failure to demonstrate Na–Ca exchange. Kirkpatrick CT, et al. **Pfluegers Arch** 361(3):301–2, 24 Feb 76

Dissolving foreign bodies in the trachea and bronchus. Mearns AJ, et al. **Thorax** 30(4):461–3, Aug 75

Bilateral pneumothorax complicating transtracheal aspiration. Parsons GH, et al. **West J Med** 125(1):73–74, Jul 76

[Endoscopy of the lower respiratory tract. Laryngoscopy and tracheobronchoscopy] Sedee GA. **Acta Otorhinolaryngol Belg** 29(2):335–73, 1975 **(Dut)**

[Another marble (author's transl)] Venker-van Haagen AJ. **Tijdschr Diergeneeskd** 101(5):243–4, 1 Mar 76 **(Dut)**

[Clinical treatment of tracheoesophageal fistulas due to foreign bodies (author's transl)] Römer KH, et al. **Z Erkr Atmungsorgane** 145(1):59–69, Apr 76 (Eng. Abstr.) **(Ger)**

[Use of embryonal chick trachea organ cultures as a test model for testing antiviral substances against influenza viruses] Wegner U, et al. **Z Gesamte Hyg** 21(9):688–90, Sep 75 (Eng. Abstr.) **(Ger)**

[Multiplication of adenovirus type 18 in cultures of human fetal trachea] D'Ambrosio E, et al. **Boll Soc Ital Biol Sper** 51(8):505–9, 15 Apr 75 **(Ita)**

[Respiratory obstruction caused by broken tooth aspirated in the trachea during anesthesia] Saito T, et al. **Jpn J Anesthesiol** 24(13):1363–6, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

[Changes in the content of the tracheal secretion during protease administration] Masaoka A, et al. **Jpn J Clin Med** 33(12):3459–65, Dec 75 **(Jpn)**

[Tracheo-bronchial foreign bodies. Importance and possibilities of emergency radiological examination] Chișleag G, et al. **Rev Chir [Otorinolaringol]** 20(1):57–64, Jan–Mar 75 **(Rum)**

[Considerations on cases of esophageal and tracheo-bronchial foregin bodies recorded in the period of January 1, 1968–July 1, 1973] Săvescu A, et al. **Rev Chir [Otorinolaringol]** 21(2):141–8, Apr–Jun 76 **(Rum)**

[Tracheobronchial aspiration as a means of diagnosis in pulmonary pathology in children] Mustătea N, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(1):79–84, Jan–Mar 76 **(Rum)**

[Long-term transcutaneous catheterization of the trachea in complex treatment of the complications of pneumonia and purulent cavities of the pleuro-pulmonary localization] Dasaev AN, et al. **Grudn Khir** (1):66–70, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Tracheobronchoscopy in differential diagnosis of bronchial tuberculosis] Kalachev VA. **Zh Ushn Nos Gorl Bolezn** (4):18–20, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

A difficult intubation. Khouw YH, et al. **Acta Anaesthesiol Belg** 26(1):78–80, Apr 75

Tracheal agenesis. Effmann EL, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):767–81, Dec 75

Congenital complete tracheal rings. Report of a case. Greene DA. **Arch Otolaryngol** 102(4):241–3, Apr 76

Agenesis of the trachea: report of a case and review of the literature. Warfel KA, et al. **Arch Pathol Lab Med** 100(7):357–9, Jul 76

The frequency and types of other congenital anomalies in association with tracheoesophageal malformations. Radiologic studies of 83 such infants. Weigel W, et al. **Clin Pediatr (Phila)** 15(9):819–20, 827–9, 832–4, Sep 76

Pneumomediastinography in the diagnosis of ectopic lobe of the thymus in respiratory obstruction. Kabelka M, et al. **J Pediatr Surg** 11(2):265–6, Apr 76

Intratracheal thyroid. Myers EN, et al. **Laryngoscope** 85(11 pt 1):1833–40, Nov 75

Tracheostomy in the first year of life. Markus NJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 466–78, Jul–Aug 76

[Trifurcation of the trachea] Georgiev G, et al. **Khirurgiia (Sofiia)** 28(5):489–90, 1975 **(Bul)**

[A case of carcinoma developing from the base of an anomalous tracheal bronchus] Uchikov P, et al. **Khirurgiia (Sofiia)** 27(4):319–20, 1974 **(Bul)**

[Abnormalities and variations of the tracheo-bronchial trunk] Abramović M, et al. **Bronches** 24(6):341–9, Nov–Dec 74 **(Fre)**

[Compression of trachea and esophagus by abnormal course of the left pulmonary artery (author's transl)] Lang D, et al. **Klin Paediatr** 187(6):546–50, Nov 75 (Eng. Abstr.) **(Ger)**

[Genetic problems in malformations of the lung and tracheobronchial system] Jörgensen G. **Med Welt** 27(22):1089–95, 28 May 76 **(Ger)**

[Anomalies of the tracheo-bronchial tree (author's transl)] Gubbawy H, et al. **Prax Pneumol** 29(5):288–96, May 75 (Eng. Abstr.) **(Ger)**

[Tracheobronchomegaly] Weinberger A, et al. **Harefuah** 89(2):63–6, 15 Jul 75 (Eng. Abstr.) **(Heb)**

[Abnormal branching of the trachea] Kitano M, et al. **Bull Chest Dis Res Inst Kyoto Univ** 8(2):126–30, Mar 75 (Eng. Abstr.) **(Jpn)**

[Diagnosis and surgical treatment of pulmonary lesions in the presence of a tracheal bronchus] Lifshits NA, et al. **Grudn Khir** (3):101–3, May–Jun 74 **(Rus)**

[Supernumerary tracheal bronchus] Stonogin VD, et al. **Grudn Khir** (6):94–5, Nov–Dec 75 **(Rus)**

[Extensive defects of development of the bronchial tree in children] Tatochenko VK, et al. **Pediatriia** (4):14–8, Apr 75 **(Rus)**

ANALYSIS

The lead content of the trachea in Baltimore residents. Poklis A, et al. **Bull Environ Contam Toxicol** 14(2):168–70, Aug 75

ANATOMY & HISTOLOGY

An anatomical study on trachea, bronchi and pulmonary vessels of the harbor seal (Phoca vitulina) with a corrosion cast. Hojo T. **Acta Anat Nippon** 50(5):229–35, 1 Oct 75

A note on the quantitative anatomical study of the trachea in the Indian buffalo (Bubalus bubalis). Peshin PK, et al. **Anat Anz** 138(5):463–7, 1975

Letter: Endotracheal intubation of miniature swine. Wachtel TL, et al. **Lab Anim Sci** 26(2 Pt I):127–8, Apr 76

Letter: Anatomy of tracheal rings. Koster JK. **N Engl J Med** 295(16):906, 14 Oct 76

Morphological characteristics and mutual relationships of the tracheal cartilaginous rings in Gallus gallus. Piperno E, et al. **Zentralbl Veterinaermed [C]** 4(2):172–8, Jun 75

[Tracheobronchial tolerance in the laryngectomized patient] Claux J, et al. **J Fr Otorhinolaryngol** 24(5):397–8, May 75 **(Fre)**

[Width parameters of the tracheal and bronchial lumen] Mukhin EP. **Grudn Khir** (4):84–5, Jul–Aug 75 **(Rus)**

[Anatomo-surgical aspects of tracheotomy] Moncho R. **Rev Fac Cienc Med Cordoba** 32(3–4):254–6, Jul–Dec 74 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Periodic fibrillar material in intracellular vesicles and in electron-dense bodies in chondrocytes of rat costal and tracheal cartilage at various ages. Dearden LC. **Am J Anat** 144(3):323–37, Nov 75

Squamous metaplasia of the tracheal epithelium in organ culture. I. Effects of hydrocortisone and beta-retinyl acetate. Mossman BT, et al. **Exp Mol Pathol** 24(3):405–14, Jun 76

Preparation of large numbers of uniform tracheal organ cultures for long term studies. I. Effects of serum on establishment in culture. Lane BP, et al. **In Vitro** 12(2):147–54, Feb 76

High speed cinemicrographic studies on rabbit tracheal (ciliated) epithelia: cytolytic effect of cystic fibrosis serum on tracheal epithelial cells. Cheung AT, et al. **Pediatr Res** 10(2):144–47, Feb 76

High speed cinemicrographic studies on rabbit tracheal (ciliated) epithelia: determination of the beat pattern of tracheal cilia. Cheung AT, et al. **Pediatr Res** 10(2):140–4, Feb 76

Epithelial surfaces of the trachea and principal bronchi in the rat. Alexander I, et al. **Thorax** 30(2):171–7, Apr 75

[Comparative study of tracheal epithelium of different mammals] Pavelka M, et al. **Acta Anat (Basel)** 94(2):262–82, 1976 (Eng. Abstr.) **(Ger)**

[Histoautoradiographic study of sulfated mucopolysaccharides in glandular epithelial cells of the lower respiratory passages] Syrtsov VK, et al. **Tsitol Genet** 9(6):529–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of fluorocarbons 11 and 12 on tracheobronchial particle deposition and clearance in donkeys. Bohning DE, et al. **Am Ind Hyg Assoc J** 36(12):902–8, Dec 75

Effects of atropine on velocity of tracheal mucus in anesthetized patients. Annis P, et al. **Anesthesiology** 44(1):74–7, Jan 76

Halothane depresses mucociliary flow in the trachea. Forbes AR. **Anesthesiology** 45(1):59–63, Jul 76

Increased mucociliary transport by adrenergic stimulation. Camner P, et al. **Arch Environ Health** 31(2):79–82, Mar–Apr 76

Effect of chromates on ciliated cells of rat tracheal epithelium. Mass MJ, et al. **Arch Environ Health** 31(2):96–100, Mar–Apr 76

Tracheal smooth muscle relaxant effect of ketamine. Lundy PM, et al. **Br J Anaesth** 46(5):333–6, May 74

Effects of some purine derivatives on the guinea-pig trachea and their interaction with drugs that block adenosine uptake. Coleman RA. **Br J Pharmacol** 57(1):51–7, May 76

Effect of beta-adrenergic agonists aerosolized by freon propellant on tracheal mucous velocity and cardiac output. Sackner MA, et al. **Chest** 69(5):593–8, May 76

Tracheobronchial hypersecretion following neostigmine administration. Rho S, et al. **Cleve Clin Q** 42(2):203–5, Summer 75

D-norpseudoephedrine as an anti-asthmatic: comparison with l-ephedrine, d-pseudoephedrine. Maitai CK. **East Afr Med J** 52(6):330–2, Jun 75

Effect of adrenergic agents and their mode of action on mucociliary clearance in man. Foster WM, et al. **J Appl Physiol** 41(2):146–52, Aug 76

Mechanical damage to rabbit tracheal epithelium from inhaling inert pyrite dust of needle – like structure. Part I. Konrádová V, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):279–85, 1975

Regenerative response of the rat tracheal epithelium after acute exposure to tobacco smoke: a quantitative study. Wells AB, et al. **J Natl Cancer Inst** 55(4):887–91, Oct 75

On the use of functional antagonism to estimate dissociation constants for beta adrenergic receptor agonists in isolated guinea-pig trachea. Buckner CK, et al. **J Pharmacol Exp Ther** 194(3):565–74, Sep 75

Contractile responses of the guinea-pig trachea in vitro: modification by prostaglandin synthesis-inhibiting drugs. Orehek J, et al. **J Pharmacol Exp Ther** 194(3):554–64, Sep 75

Studies on mode of antagonism between adrenergic beta-mimetics and beta-blocking agents (I). Beta-blocking action of mescaline and its derivatives. Iwasawa Y, et al. **Jpn J Pharmacol** 25(5):525–33, Oct 75

Studies on the mode of antagonism between adrenergic beta-mimetics and beta-blocking agents (II). Analysis by the uptake saturation model. Ohashi M, et al. **Jpn J Pharmacol** (1):79–90, Feb 76

Desensitization of guinea pig tracheal muscle preparation to beta-adrenergic stimulants by a preceding exposure to a high dose of catecholamines. Watanabe M, et al. **Jpn J Pharmacol** 26(2):191–9, Apr 76

Ammonia build-up in animal boxes and its effect on rat tracheal epithelium. Gamble MR, et al. **Lab Anim** 10(2):93–104, Apr 76

Induction of squamous metaplasia (vitamin A deficiency) and hypersecretory activity in tracheal organ cultures. Marchok AC, et al. **Lab Invest** 33(4):451–60, Oct 75

Morphological alterations induced in organ cultures of human fetal trachea and bronchi by diethylnitrosamine (DEN). Matos EL, et al. **Oncology** 32(5–6):319–23, 1975

Physiological and electron-microscopic investigations of the trachea after pilocarpine. Horstmann G, et al. **Pneumonologie** 152(1–3):105–12, 26 Sep 75

Adrenergic compounds and the respiratory tract. A physiological and electron-microscopical study. Melville GN, et al. **Respiration** 33(4):261–9, 1976

The acute actions of automotive exhaust gas and its components on guinea pig tracheal pressure. Stupfel M, et al. **Toxicol Appl Pharmacol** 33(3):401–13, Sep 75

[Changes in the secretion of the tracheobronchial tree of rats after prolonged inhalation of SO2] pp. 229–43. Degand P, et al. **In: Voisin C, ed. Réactions bronchopulmonaires aux pollutants atmosphériques. Paris, INSERM, 1974. WF 600 R281 1974.** (Eng. Abstr.) **(Fre)**

[Comparison of the pA2 of various beta blocking agents] Spach MO, et al. **Nouv Presse Med** 4(46 SUPPL):3221–2, 31 Dec 75 (Eng. Abstr.) **(Fre)**

[Effect of a new bronchodilator, S-1540 (Bitolterol) and S-1541 on the tracheo-bronchial and cardiovascular system] Ono N, et al. **Folia Pharmacol Jpn** 71(7):739–52, Oct 75 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on supersensitization. III. Effect of potentiators on isolated tracheal preparation of guinea pig (author's transl)] Gomi Y, et al. **J Pharm Soc Jpn** 96(3):333–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Metabolism and actions of vasoactive substances in the lung. (3) The effects of ATP, cyclic AMP, dibutyryl cyclic AMP on tracheal muscle responsiveness] Kitamura S, et al. **Jpn J Thorac Dis** 13(8):466–70, Aug 75 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Ontogeny of tracheal fluid, pulmonary surfactant, and plasma

corticoids in the fetal lamb. Mescher EJ, et al. **J Appl Physiol** 39(6):1017–21, Dec 75

Surfactant in the lung and tracheal fluid of the fetal lamb and acceleration of its appearance by dexamethasone. Platzker AC, et al. **Pediatrics** 56(4):554–61, Oct 75

[The luminal surface of the rat trachea during ontogenesis] Kober HJ. **Z Mikrosk Anat Forsch** 89(3):399–409, 1975 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Glycosyltransferases in human respiratory tissue. Alterations in subjects with hypersecretion of mucus. Baker AP, et al. **Biochem Med** 14(1):42–50, Sep 75

UDP-galactose-glycoprotein galactosyltransferase from canine tracheal mucosa. Rooney SA. **Clin Chim Acta** 64(3):333–6, 3 NoV 75

Evidence against phosphorylation of a cyclic AMP-dependent protein kinase from bovine tracheobronchial smooth muscle. Sands H. **Proc Soc Exp Biol Med** 150(1):57–60, Oct 75

Ciliotoxicity of cigarette smoke and adenylate kinase. Mattenheimer H. **Z Klin Chem Klin Biochem** 13(7):325–6, Jul 75

GROWTH & DEVELOPMENT

Ultrastructural and cytochemical studies on the remodelling of the tracheal cartilage. Yajima T. **Arch Histol Jpn** 39(2):79–97, May 76

IMMUNOLOGY

Immunoglobulins in tracheo-bronchial secretion with special reference to IgE. Deuschl H, et al. **Clin Exp Immunol** 16(3):401–12, Mar 74

Effect of antigen challenge on sensitized guinea pig trachea. Souhrada JF, et al. **Respir Physiol** 27(2):241–51, Aug 76

Distribution of plasma cells and other cells containing immunoglobulin in the respiratory tract of normal man and class of immunoglobulin contained therein. Soutar CA. **Thorax** 31(2):158–66, Apr 76 (20 ref.)

[Experiments for the detection of antibodies in the tracheal exudate of chicken after infection with Newcastle virus (author's transl)] Lüthgen W. **Z Immunitaetsforsch** 144(3):273–80, Oct 72 (Eng. Abstr.) **(Ger)**

INJURIES

Mucosal changes in the trachea and main bronchi of newborn infants after naso-tracheal intubation. Fisk GC, et al. **Anaesth Intensive Care** 3(3):209–17, Aug 75

The influence of suction catheter tip design on tracheobronchial trauma and fluid aspiration efficiency. Link WJ, et al. **Anesth Analg (Cleve)** 55(2):290–7, Mar–Apr 76

Management of tracheobronchial disruption secondary to nonpenetrating trauma. Kirsh MM, et al. **Ann Thorac Surg** 22(1):93–101, Jul 76 (31 ref.)

Tracheal injury following prolonged intubation. Windsor HM, et al. **Aust NZ J Surg** 46(1):18–25, Feb 76

Simultaneous penetrating injury of the trachea and esophagus by a knife jammed into the vertebral body. Das PB. **Int Surg** 61(3):160–1, Mar 76

Letter: Tracheal perforation in the neonate: treatment with a cuffed endotracheal tube. Finer NN, et al. **J Pediatr** 89(3):510–2, Sep 76

Tracheal perforation as a complication of nasotracheal intubation in a neonate. Schild JP, et al. **J Pediatr** 88(4 Pt. 1):631–2, Apr 76

Laryngotracheal injuries. Entzminger LB, et al. **Pa Med** 79(3):54–5, Mar 76

Penetrating injuries of the laryngotracheal area. Clairmont AA, et al. **South Med J** 69(5):611–3, May 76

Laryngotracheal separation: late complications. Pratt LL. **Trans Am Acad Ophthalmol Otolaryngol** 80(5):452–3, Sep–Oct 75

[External injuries of the larynx and of the cervical trachea. Apropos of 40 cases] Piquet JJ, et al. **Acta Otorhinolaryngol Belg** 29(4):715–28, 1975 **(Fre)**

[Total subcutaneous rupture of the cervical trachea after thoracic injury. Apropos of a case. Review of the literature] Sommelet J, et al. **J Chir (Paris)** 108(5):423–4, Nov 74 (Eng. Abstr.) **(Fre)**

[Diagnosis of the sequelae of prolonged intubation. Critical study apropos of 682 cases] Martin A, et al. **J Fr Otorhinolaryngol** 25(5):391–3, May 76 **(Fre)**

[Therapy of tracheal and laryngeal injuries] Kornmesser HJ. **Laryngol Rhinol Otol (Stuttg)** 55(4):322–7, Apr 76 (Eng. Abstr.) **(Ger)**

[Tracheal rupture with fatal ending after excessive blockade of an endotracheal tube] **Prakt Anaesth** 11(2):95–6, Apr 76 **(Ger)**

[Damages to the cricoid cartilage in longterm intubation (letter)] Kroesen G. **Prakt Anaesth** 11(3):174–5, Jun 76 **(Ger)**

[Tracheal complications from chronic intubation] Horváth A, et al. **Orv Hetil** 116(45):2663–5, 9 Nov 75 **(Hun)**

[Tracheobronchial reconstruction after traumatic thoracic lesions affecting the tracheal bifurcation] Kirileanu T, et al. **Rev Chir [Otorinolaringol]** 21(2):149–52, Apr–Jun 76 **(Rum)**

[Hyperosmotic coma resulting from burns of the mucous membrane of the upper respiratory tract] Kralzman AN, et al. **Zh Ushn Nos Gorl Bolezn** (2):115–7, Mar–Apr 75 **(Rus)**

[Inmediate and late intubation and tracheostomy lesions (author's transl)] Garcia Buñuel PC. **Rev Esp Otoneurooftalmol Neurocir** 33(196):243–52, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

INNERVATION

Fine structure of tracheo-bronchial epithelial nerves of the cat. Hung KS. **Anat Rec** 185(1):85–91, May 76

Proceedings: Dynamic properties of stretch receptors in the trachea of the dog. Bartlett D Jr, et al. **J Physiol (Lond)** 251(1):46P–47P, Sep 75

Transduction properties of tracheal stretch receptors. Bartlett D Jr, et al. **J Physiol (Lond)** 258(2):421–32, Jun 76

Location of stretch receptors in the trachea and bronchi of the dog. Bartlett D Jr, et al. **J Physiol (Lond)** 258(2):409–20, Jun 76

Proceedings: The distribution of autonomic nerves within the smooth muscle layer of the bovine trachea. Cameron AR, et al. **J Physiol (Lond)** 259(1):48P, Jul 76

Mechanisms of reflex cardiac arrest in tetraplegic patients. Frankel HL, et al. **Lancet** 2(7946):1183–5, 13 Dec 75

Effects of local and systemic hypercapnia on the discharge of stretch receptors in the airways of the dog. Bartlett D Jr, et al. **Respir Physiol** 26(1):91–9, Feb 76

Localization of irritant receptors in the airways of the dog. Mortola J, et al. **Respir Physiol** 24(1):107–14, Jun 75

METABOLISM

Active transport of Na+ and Cl- across the canine tracheal epithelium in vitro. Olver RE, et al. **Am Rev Respir Dis** 112(6):811–5, Dec 75

Letter: Concentrations of lidocaine and its metabolites in the blood after endotracheal administration. Smith RB. **Anesth Analg (Cleve)** 55(1):116–8, Jan–Feb 76

Letter: Uptake of lidocaine from the trachea. Smith RB. **Anesthesiology** 44(3):269, Mar 76

Sulfur dioxide and tracheobronchial clearance in man. Wolff RK, et al. **Arch Environ Health** 30(11):521–7, Nov 75

Phosphatidylcholine content and fatty acid composition of tracheal and gastric liquids from premature and full-term newborn infants. Motoyama EK, et al. **Clin Chim Acta** 70(3):449–54, 2 Aug 76

Incorporation of labeled glucosamine into glycoproteins by organ cultures of hamster trachea: adverse effects of HEPES buffer. Daniel PF, et al. **In Vitro** 11(6):347–53, Nov–Dec 75

Oxygen consumption by trachea organ cultures infected with Mycoplasma pneumoniae. Gabridge MG. **Infect Immun** 12(3):544–9, Sep 75

Circadian periodicity of H3-thymidine uptake in the hamster respiratory tract. Kmoch N, et al. **Int J Chronobiol** 3(1):63–6, 1975

Mucociliary tracheal transport rates in man. Yeates DB, et al. **J Appl Physiol** 39(3):487–95, Sep 75

Relationship between the levels of intracellular cyclic nucleotides and mechanical responses induced by drugs. Ohkubo H, et al. **Jpn J Pharmacol** (1):65–71, Feb 76

Release of prostaglandins from healthy and sensitized guinea-pig lung and trachea by histamine. Yen SS, et al. **Prostaglandins** 11(2):227–39, Feb 76

3H-tyrosin incorporation by foregut entoderm, as an additional proof of extra-glandular presence of endocrine ptoencies. Csaba G. **Z Mikrosk Anat Forsch** 89(4):640–6, 1975

[Changes of cyclic AMP levels in the trachea and their significance, with special reference to the effects of bronchodilators, steroids, histamine and antihistamine] Nomura T, et al. **Jpn J Thorac Dis** 13(12):699–708, Dec 75 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Microbial flora of the larynx, trachea, and large intestine of the rat after long-term inhalation of 100 per cent oxygen. Paegle RD, et al. **Anesthesiology** 44(4):287–90, Apr 76

Viral inclusion bodies in tracheobronchial epithelium of asymptomatic subjects. Katz JS, et al. **Chest** 69(4):556–8, Apr 76

Use of organ cultures and small laboratory animals for the study of gonococcal infections. pp. 243–52. Taylor-Robinson D, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Quantitative reduction of 2,3,4-triphenyl tetrazolium chloride by hamster trachea organ cultures: effects of Mycoplasma pneumoniae cells and membranes. Gabridge MG, et al. **Infect Immun** 13(1):84–91, Jan 76

Influenza virus population dynamics in the respiratory tract of experimentally infected mice. Larson EW, et al. **Infect Immun** 13(2):438–47, Feb 76

Mycoplasma pneumoniae in hamster tracheal organ culture studied by scanning electron microscopy. Muse KE, et al. **Infect Immun** 13(1):229–37, Jan 76

Attachment of Mycoplasma pneumoniae to respiratory epithelium. Powell DA, et al. **Infect Immun** 13(3):959–66, Mar 76

Antiviral activity of adenine arabinoside and iododeoxyuridine in human fetal intestinal and tracheal organ cultures. Dolin R, et al. **J Infect Dis** 132(3):287–95, Sep 75

Bacteriologic diagnosis of acute pneumonia. Comparison of sputum, transtracheal aspirates, and lung aspirates. Davidson M, et al. **JAMA** 235(2):158–63, 12 Jan 76

Transient bacteremia associated with nasotracheal suctioning. LeFrock JL, et al. **JAMA** 236(14):1610–1, 4 Oct 76

Mycoplasma pulmonis infection in gnotobiotic and conventional mice: aspects of pathogenicity including microbial enumeration and studies of tracheal involvement. Organick AB, et al. **Lab Anim Sci** 26(3):419–29, Jun 76

Bacteriological findings in transtracheal aspirates from patients with chronic bronchitis and bronchiectasis: a preliminary report. Bjerkestrand G, et al. **Scand J Respir Dis** 56(4):201–7, 1975

Quantitative tracheal cultures in surgical patients requiring mechanical ventilatory assistance. Polk HC Jr. **Surgery** 78(4):485–91, Oct 75

[Role of microflora of the respiratory tract in the development of pneumonia in influenza] Maksimovich NA, et al. **Vrach Delo** (8):142–6, Aug 75 **(Rus)**

[Comparative evaluation of the sensitivity to Mycoplasma pneumoniae of organ cultures of the trachea and lungs of certain animals] Stetsenko OG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):44–6, Jun 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Tracheobronchial epithelial multinucleation in preeclampsia. Chalon J, et al. **Arch Pathol Lab Med** 100(8):427–8, Aug 76

Malignant disease and tracheobronchial epithelial multinucleation. Chalon J, et al. **Cancer** 37(4):1874–81, Apr 76

Tracheobronchial and pulmonary cytologic changes in shock. Freidman-Mor Z, et al. **J Trauma** 16(1):58–62, Jan 76

Chronic inhalation of marijuana and tobacco in dogs: pulmonary pathology. Roy PE, et al. **Res Commun Chem Pathol Pharmacol** 14(2):305–17, Jun 76

Cytology of tracheobronchial aspirates in horses. Beech J. **Vet Pathol** 12(3):157–64, 1975

[Tracheal dimensions and shape in healthy subjects and in patients with chronic obstructive lung disease (author's transl)] Lechner G. **Wien Klin Wochenschr [Suppl]** 87(46):3–15, 1975 (Eng. Abstr.) **(Ger)**

[Differential pathomorphology in infectious bronchitis in chicks Ibragimov AA. **Veterinariia** (8):42–5, Aug 75 **(Rus)**

[Reactivity of the lymphoid-macrophage system in relation to the toxic properties of influenza virus] Solilova-Bozhenko LV. **Vopr Virusol** (2):166–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regeneration of rat tracheal epithelium after mechanical injury. II. Restoration of surface integrity during the early hours after injury. Gordon RE, et al. **Am Rev Respir Dis** 113(6):799–807, Jun 76

Letter: Humidity and ciliary activity. Weeks DB. **Anesthesiology** 44(1):90–1, Jan 76

Air humidity and mucociliary activity. Mercke U, et al. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):32–7, Jan–Feb 76

A study of inflatable cuffs on endotracheal tubes. Pressures exerted on the trachea. MacKenzie CF, et al. **Br J Anaesth** 48(2):105–10, Feb 76

A method for recording smooth muscle and vascular responses of the blood-perfused dog trachea in situ. Himori N, et al. **Br J Pharmacol** 56(3):293–9, Mar 76

The effect of cocaine on the responses of the differently innervated laryngeal and bronchial ends of the guinea pig trachea in vitro to clinically used bronchodilators. Jones TR, et al. **Can J Physiol Pharmacol** 53(5):810–5, Oct 75

Effect of cuffed endotracheal tubes on tracheal mucous velocity. Sackner MA, et al. **Chest** 68(6):774–7, Dec 75

Input acoustic-impedance measurement of the subglottal system. Ishizaka K, et al. **J Acoust Soc Am** 60(1):190–7, Jul 76

Effects of dry air and subsequent humidification on tracheal mucous velocity in dogs. Hirsch JA, et al. **J Appl Physiol** 39(2):242–6, Aug 75

Proceedings: Dynamic properties of stretch receptors in the trachea of the dog. Bartlett D Jr, et al. **J Physiol (Lond)** 251(1):46P–47P, Sep 75

The mucociliary activity of the upper respiratory tract. Toremalm NG, et al. **Rhinology** 13(3):113–20, Nov 75

[Deformations of the laryngo-tracheal axis during changes in body position. Study using moulages] Bastian D, et al. **Arch Anat Pathol (Paris)** 23(4):267–72, Dec 75 (Eng. Abstr.) **(Fre)**

[Experimental research of resistance to air currents in laryngeal-tracheal specimens (author's transl)] Langnickel R. **Arch Otorhinolaryngol (NY)** 212(1):43–56, 8 Feb 76 (Eng. Abstr.) **(Ger)**

[Electrophysiologic studies on the ciliated epithelium of the trachea by capillary microelectrode (author's transl)] Shoji K. **J Otolaryngol Jpn** 79(1):1–13, 20 Jan 76 (Eng. Abstr.) **(Jpn)**

[New cardiac function test by the intratracheal cardiogram] Sekiguchi T, et al. **Jpn J Anesthesiol** 25(4):357–62, Apr 76 (Eng. Abstr.) **(Jpn)**

[Effect of some anesthesiological factors on mucus transport in the trachea] Kuś M. **Folia Med Cracov** 17(4):389–415, 1975 (71 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Mucociliary transport in trachea of patients with cystic fibrosis. Yeates DB, et al. **Arch Dis Child** 51(1):28–33, Jan 76

Tracheobronchial particle deposition and clearance. A study of the effects of cigarette smoking in monozygotic twins. Bohning DE, et al. **Arch Environ Health** 30(9):457–62, Sep 75

Effects of hypercapnia and flow-resistive loading on tracheal pressure during airway occlusion. Altose MD, et al. **J Appl Physiol** 40(3):345–51, Mar 76

Clinical signs associated with the amount of tracheobronchial secretions. Amborn SA. **Nurs Res** 25(2):121–6, Mar–Apr 76

Proceedings: Tracheobronchial clearance in patients with obstructive lung disease. Mossberg B, et al. **Tubercle** 56(2):168–9, Jun 75

[Clinical and experimental studies on tracheobronchial collapse syndrome (author's transl)] Abe S. **Hokkaido J Med Sci** 49(6):553–66, Nov 74 (Eng. Abstr.) **(Jpn)**

[Tracheobronchial dyskinesia in chronic dust bronchitis] Mal'tseva LM, et al. **Gig Tr Prof Zabol** (7):14–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Use of endobronchial cinematography for the evaluation of functional state of the trachea and bronchi] Gerasin VA, et al. **Grudn Khir** (1):76–9, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Effect of sensitization on the sensitivity of the smooth muscles of the tracheo-bronchial chain to bradykinin] Surovikina MS. **Patol Fiziol Eksp Ter** (2):60–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Experimental production of 'retention lung' by irradiation of the rat trachea; (1) histological findings] Ishidate T, et al. **Jpn J Thorac Dis** 13(4):205–9, Apr 75 (Eng. Abstr.) **(Jpn)**

[Experimental production of 'retention lung' in rats by tracheal irradiation. Report 2. Analysis of pulmonary surfactant] Oizumi T, et al. **Jpn J Thorac Dis** 14(2):77–82, Feb 76 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Evaluation of larynx and trachea by xeroradiography. Moorthy SS, et al. **Anesth Analg (Cleve)** 55(4):598–600, Jul–Aug 76

The retrotracheal space. Shields JB, et al. **Radiology** 120(1):19–23, Jul 76

[Tracheobronchography in patients with pleuro-pulmonary complications after lung resection] Katushenok TA, et al. **Vestn Khir** 116(3):24–8, Mar 76 (Eng. Abstr.) **(Rus)**

SECRETION

A contribution to the study of local immunity in infants suffering from acute respiratory diseases. Kikindjanin V. **Allerg Immunol (Leipz)** 20–21(3):303–10, 1974–75

Effect of chronic sulfur dioxide inhalation on rheological properties of tracheal mucus. Litt M, et al. **Biorheology** 13(2):107–14, Apr 76

Effect of oxygen in graded concentrations upon tracheal mucous velocity. A study in anesthetized dogs. Sackner MA, et al. **Chest** 69(2):164–7, Feb 76

Mucous glycoproteins. pp. 165–77. Boat TF, et al.
In: Mangos JA, Talamo RC, ed. Cystic fibrosis: projections into the future. New York, Stratton, 1976. WI 820 C9995 1976. (43 ref.)

Collection of normal canine tracheobronchial secretions. Adams GK, et al. **J Appl Physiol** 40(2) Feb 1976

The class-specific immunoglobulin composition of fluids obtained from various levels of the canine respiratory tract. Kaltreider HB, et al. **J Immunol** 116(2):423–9, Feb 76

Proceedings: The effects of some airway irritant reflexes upon mucus secretion from the trachea. Phipps RJ, et al. **J Physiol (Lond)** 254(1):58P–59P, Jan 76

Proceedings: The nervous and pharmacological control of tracheal mucus secretion in the goose. Phipps RJ, et al. **J Physiol (Lond)** 258(2):116P–117P, Jun 76

The composition of tracheal mucus and the nervous control of its secretion in the cat. Gallagher JT, et al. **Proc R Soc Lond [Biol]** 192(1106):49–76, 31 Dec 75

A simple method for the determination of the thread-forming property of tracheobronchial secretions. Iravani J, et al. **Respiration** 33(4):289–93, 1976

[Increase of rabbit tracheo-nasal mucus secretion by a new mucolytic agent: brovanexine (UR-389) (author's transl)] García-Rafanell J, et al. **Arch Farmacol Toxicol** 2(1):61–8, Apr 76 (Eng. Abstr.) **(Spa)**

SURGERY

Innominate artery rupture. A major complication of tracheal surgery. Deslauriers J, et al. **Ann Thorac Surg** 20(6):671–7, Dec 75

The effects of preoperative irradiation on primary tracheal anastomosis. Tsubota N, et al. **Ann Thorac Surg** 20(2):152–60, Aug 75

Letter: Anaesthetic management for reconstruction of the lower trachea. Heifetz M, et al. **Br J Anaesth** 47(10):1120, Oct 75

Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. Calcaterra TC. **Can J Otolaryngol** 4(4):568–70, 1975

Tracheo-esophageal shunt vocal rehabilitation. Komorn RM. **Can J Otolaryngol** 4(4):563–7, 1975

Vocal rehabilitation at or following laryngectomy. McGrail JS. **Can J Otolaryngol** 4(4):552–4, 1975

Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. pp. 576–8. Calcaterra TC.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Tracheo-esophageal shunt vocal rehabilitation. pp. 571–5. Komorn RM.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Tracheobronchial resection and reconstruction. A report of five cases. Levinsky L, et al. **Isr J Med Sci** 11(5):441–7, May 75

Tracheal prosthesis in a calf. Horney FD. **J Am Vet Med Assoc** 167(6):463–4, 15 Sep 75

Reconstruction of trachea with Marlex mesh pericardium following circumferential excision. Moghissi K. **J R Coll Surg Edinb** 20(5):327–31, Sep 75

Reduction of tension at the anastomosis following tracheal resection in puppies. Kotake Y, et al. **J Thorac Cardiovasc Surg** 71(4):600–4, Apr 76

Primary tracheal anastomosis after resection of the cricoid cartilage with preservation of recurrent laryngeal nerves. Pearson FG, et al. **J Thorac Cardiovasc Surg** 70(5):806–16, Nov 75

Tracheal-innominate artery fistula: successful management of two cases. Weiss JB, et al. **South Med J** 69(4):430–2, Apr 76

[Some anesthesiological and resuscitation problems of resection of the trachea] Filipov S, et al. **Khirurgiia (Sofiia)** 28(6):573–9, 1975 (Eng. Abstr.) **(Bul)**

[Surgery of the trachea and of the tracheo-bronchial bifurcation. Analysis of a 23-year experiment (1951–1974) (author's transl)] Bex JP, et al. **Ann Chir Thorac Cardiovasc** 15(1):47–50, Jan 76 (Eng. Abstr.) **(Fre)**

[A case of repairing a total amputation of the cervical trachea] Aboulker P, et al. **Ann Otolaryngol Chir Cervicofac** 91(9):531–6, Sep 74 **(Fre)**

[Re-establishment of tracheal continuity by lowering the larynx after tracheal resection] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 92(6):293–300, Jun 75 (Eng. Abstr.) **(Fre)**

[Value of H. Laccourreye's technic in tracheal surgery. Apropos of 12 cases] Legent F, et al. **J Fr Otorhinolaryngol** 25(5):373–7, May 76 **(Fre)**

[Animal experiments in alloplastic trachea replacement] Moritz E. **Wien Klin Wochenschr [Suppl]** (45):3–12, 1975 (Eng. Abstr.) **(Ger)**

[Resection of the trachea and bifurcation] Schoefer G. **Zentralbl Chir** 100(5):277–89, 1975 **(Ger)**

[Experimental study of some methods of plastic reconstruction of the trachea (critical evaluation of the early results)] D'Amico D, et al. **Arch Chir Torac Cardiovasc** 31(3–4):237–48, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

[Tracheobronchial reconstruction] Ishihara T, et al. **Jpn J Thorac Surg** 28(11):761–772, Nov 75 (Eng. Abstr.) **(Jpn)**

[Plastic surgery of the trachea] Otto TJ, et al. **Pol Przegl Chir** 47(8):1035–41, Aug 75 (Eng. Abstr.) **(Pol)**

[Maximum permissible extent of resection of the thoracic segment of the trachea and its diastasis for placement of circular suture] Eteriia GP. **Eksp Khir Anesteziol** (5):20–2, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Function of the lungs after tracheo-bronchial resections] Velichenko VM, et al. **Vestn Khir** 116(2):22–4, Feb 76 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Survival and growth of syngeneic and allogeneic fetal larynx and trachea. Obando M, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):165–6, Mar–Apr 76

ULTRASTRUCTURE

Evidence of congenitally nonfunctioning cilia in the tracheobronchial tract in two subjects. Camner P, et al. **Am Rev Respir Dis** 112(6):807–9, Dec 75

Morphological changes of chicken tracheas and tracheal organ cultures infected with avian infectious bronchitis virus studied in scanning electron microscope. Dutta SK. **Avian Dis** 19(3):429–36, Jul–Sep 75

Factors affecting ciliary beat frequency in the intrapulmonary airways of rats. Melville GN, et al. **Can J Physiol Pharmacol** 53(6):1122–8, Dec 75

Ultrastructure and fluorescence histochemistry of endocrine (APUD-type) cells in tracheal mucosa of human and various animal species. Cutz E, et al. **Cell Tissue Res** 158(4):425–37, 20 May 75

Organ culture of adult rat and mouse tracheal epithelium: I. Ultrastructure following various culture periods. Pavelka M. **Cell Tissue Res** 165(3):371–82, 27 Jan 76

Actin in tracheo-bronchial ciliated epithelial cells. Reverdin N, et al. **Experientia** 31(11):1348–50, 15 Nov 75

Ultrastructure of the tracheal epithelium after inhalation of solid heavy metal aerosol. IV. Inhalation of needle-shaped particles of pyrite dust. Konrádová V, et al. **Folia Morphol (Praha)** 23(4):404–14, 1975

Ultrastructure of the epithelium of the trachea and extrapulmonary bronchi of the Great House Gecko or tokay (Gekko gecko). Těšík I, et al. **Folia Morphol (Praha)** 24(1):35–40, 1976

[Epithelial surface of trachea in adult male albino rats (author's transl)] Breipohl W, et al. **Arch Otorhinolaryngol (NY)** 211(4):267–81, 30 Dec 75 (Eng. Abstr.) **(Ger)**

[Morphology and function of the mucous membrane of the respiratory tract. 1. Surface ultrastructure of the normal tracheal mucous membrane epithelium by scanning electron microscopy] Obara H, et al. **Jpn J Anesthesiol** 24(4):338–42, Apr 75 (Eng. Abstr.) **(Jpn)**

[Injuries of the airway caused by artificial ventilation and intravenous infusion] Zaitsu A, et al. **Jpn J Anesthesiol** 24(10):965–73, Oct 75 (Eng. Abstr.) **(Jpn)**

TRACHEAL DISEASES

[Osteoplastic tracheopathy] Duchateau JP, et al. **Acta Otorhinolaryngol Belg** 29(4):661–70, 1975 (Eng. Abstr.) **(Fre)**

[A long term study of tracheobronchomegaly in childhood (author's transl)] Zebrak J. **Prax Pneumol** 30(8):468–78, Aug 76 (Eng. Abstr.) **(Ger)**

[Dyskinesia of the trachea and the main bronchi] Ioffe LTs. **Klin Med (Mosk)** 53(6):68–74, Jun 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Intraluminal tracheal cyst producing airway obstruction in the newborn infant. Denson SE, et al. **J Pediatr** 88(3):521–2, Mar 76

[Tracheobronchopathia chondro-osteoplastica] Grozdek D, et al. **Plucne Bolesti Tuberk** 27(1–2):82–6, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

[Case of chondro-osteoplastic tracheobronchopathy] Welle K. **Plucne Bolesti Tuberk** 27(4):269–73, Oct–Dec 75 (Eng. Abstr.) **(Cro)**

CONGENITAL

[A congenital stridor] Moraga Ramos I, et al. **Rev Esp Anestesiol Reanim** 22(4):329–33, Jul 75 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Correlation between lung function and tracheobronchial collapse. Reinert M, et al. **Respiration** 33(1):47–53, 1976

[Diagnosis of the sequelae of prolonged intubation. Critical study apropos of 682 cases] Martin A, et al. **J Fr Otorhinolaryngol** 25(5):391–3, May 76 **(Fre)**

[A new method for diagnosis of alterations in the hypopharynx, larynx and trachea using the jet-stream ventilation (author's transl)] Stuckrad H, et al. **Z Laryngol Rhinol Otol** 53(1):1–5, Jan 74 (Eng. Abstr.) **(Ger)**

[Diverticulosis of the trachea and bronchi] Sitko LA, et al. **Grudn Khir** (3):58–9, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Extensive defects of development of the bronchial tree in children] Tatochenko VK, et al. **Pediatriia** (4):14–8, Apr 75 **(Rus)**

DRUG THERAPY

[Treatment of secondary tracheo-bronchial dyskinesia with imuran] Grozovskiĭ IuR. **Sov Med** (11):149–50, Nov 75 **(Rus)**

ETIOLOGY

Tracheal dilatation. Fryer ME, et al. **Anaesthesia** 31(4):470–8, May 76

Letter: Thermal monitoring in continuous mechanical ventilation. Crowley TP. **Chest** 70(03):410, Sep 76

Acquired tracheomalacia: etiology and differential diagnosis. Feist JH, et al. **Chest** 68(3):340–5, Sep 75

Airway obstruction due to spontaneous retropharyngeal hemorrhage. Genovesi MG, et al. **Chest** 68(6):840–2, Dec 75

Laryngotracheal damage after prolonged intubation in the newborn infant. pp. 253–70. Choffat JM, et al.
In: Stetson JB, Swyer PR, ed. Neonatal intensive care. St. Louis, Green, 1975. WS 27.1 S989n 1972.

[Esophageal atresia, brachio-cephalic arterial trunk and tracheomalacia (author's transl)] Sauvegrain J, et al. **J Radiol Electrol Med Nucl** 57(6–7):465–70, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[Experimental study on compatibility of endotracheal prostheses (author's transl)] Weerda H. **Laryngol Rhinol Otol (Stuttg)** 54(8):663–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Incidents, accidents and early and late complications of prolonged laryngotracheal intubation] Firicâ D, et al. **Rev Chir [Otorinolaringol]** 19(4):281–9, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Scanning electron microscopy of Mycoplasma-infected tracheal rings. Woodruff KH. **Arch Pathol Lab Med** 100(7):360–6, Jul 76

Amyloid deposits in the trachea and esophagus ultrastructural

confirmation. Busuttil A, et al. **Laryngoscope** 86(6):850–6, Jun 76

Tracheopathia osteoplastica. Phillips MJ. **Proc R Soc Med** 69(5):358–9, May 76

Squamous metaplasia of the tracheal epithelium in children. Mithal A, et al. **Thorax** 31(2):167–71, Apr 76

[Tracheal disorders in word and picture] Hoeksema PE, et al. **Acta Otorhinolaryngol Belg** 29(7):1058–61, 1975 **(Dut)**

[Primary diffuse tracheobronchial amyloidosis] Yamazaki M, et al. **Jpn J Thorac Dis** 13(3):162–7, Mar 75 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Endotracheal antibiotics for the prevention of tracheobronchial infections in tracheotomized unconscious patients. A comparative study of gentamicin and aminosidin–polymyxin B combination. Klastersky J, et al. **Chest** 68(3):302–6, Sep 75

RADIOGRAPHY

[Diseases of the trachea and bronchi by special consideration of x-ray diagnostic (author's transl)] Brands T, et al. **Laryngol Rhinol Otol (Stuttg)** 54(4):34–8, Apr 75 **(Ger)**

[X-ray diagnosis of scleroma of the respiratory tract] Litvakovskaia GA, et al. **Vestn Rentgenol Radiol** (1):84–6, Jan–Feb 75 **(Rus)**

SURGERY

Tracheo–innominate artery erosion: Successful surgical management of a devastating complication. Jones JW, et al. **Ann Surg** 18(2):194–204, Aug 76

Trachea—innominate artery fistula following tracheostomy. Successful repair using an innominate vein graft. Nunn DB, et al. **Ann Thorac Surg** 20(6):698–702, Dec 75

Tracheomalacia in association with congenital tracheoesophageal fistula. Benjamin B, et al. **Surgery** 79(5):504–8, May 76

Tracheostomy in the first year of life. Markus NJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 466–78, Jul–Aug 76

THERAPY

Cryotherapy in the upper air and food passages. McKelvie P. **Proc R Soc Med** 68(10):610, Oct 75

[Bronchoscopy in the treatment of tuberculosis of the tracheo–bronchial lymph nodes with lobar and segmental opacities] Zebrak J. **Pneumonol Pol** 44(3):217–25, Mar 76 (Eng. Abstr.) **(Pol)**

VETERINARY

Tracheal prosthesis in a calf. Horney FD. **J Am Vet Med Assoc** 167(6):463–4, 15 Sep 75

[Pathological anatomy and tracheal granuloma due to Syngamus trachea in the pheasant] Valenza F. **Folia Vet Lat** 5(2):339–46, Apr–Jun 75 **(Ita)**

TRACHEAL NEOPLASMS

[5 cases of primary tumor of the trachea] Meyer P. **Rev Med Suisse Romande** 96(7):529–7, Jul 76 **(Fre)**

[Stridor and hemoptysis: thyroid cancer metastasizing to the trachea] Tokoro A, et al. **Jpn J Clin Med** Spec No:854–5, 1280–1, 10 Apr 75 **(Jpn)**

CHEMICALLY INDUCED

Fate of early carcinogen–induced lesions in tracheal epithelium. Griesemer RA, et al. **Cancer Res** 36(7 PT 2):2659–64, Jul 76

Intrasplenic tumor formation in the syrian hamster (Mesocricetus auratus) after tracheal implants and treatment with diethylnitrosamine. Mohr U, et al. **J Natl Cancer Inst** 56(4):811–8, Apr 76

COMPLICATIONS

Carcinoma obstructing the trachea. Treatment by laser resection. Laforet EG, et al. **N Engl J Med** 294(17):941, 22 Apr 76

Acute respiratory failure caused by a columnar cell tumour of the trachea. Roncoroni AJ, et al. **Resuscitation** 3(4):281–4, 1974

[Clinical case: respiratory distress in an adult disclosing a tracheal plasmocytoma] Zaimi A. **Tunis Med** 53(3):207, May–Jun 75 **(Fre)**

[Mucinous tracheal adenoma with pseudo–asthma (author's transl)] Thurner J, et al. **Prax Pneumol** 29(6):345–51, Jun 75 (Eng. Abstr.) **(Ger)**

[Obturation syndrome, caused by tumors of tracheobronchial tree and developmental anomalies of the diaphragm, running its course with bronchial asthma symptoms] Zhabotin VD, et al. **Vrach Delo** (10):52–4, Oct 75 **(Rus)**

DIAGNOSIS

Primary solitary lymphoma of the trachea. Pradhan DJ, et al. **J Thorac Cardiovasc Surg** 70(5):938–40, Nov 75

Adenoid cystic carcinoma (cylindroma) of the trachea masquerading as asthma. Baydur A, et al. **JAMA** 234(8):829–31, 24 Nov 75

[Benign tumors of the trachea and bronchi] Aliperta A, et al. **Bronches** 25(5):333–42, Sep–Oct 75 **(Fre)**

[Carcinoma tracheae (apropos of a case)] Minčev K, et al. **God Zb Med Fak Skopje** 21:303–10, 1975 **(Ser)**

PATHOLOGY

Granular cell myoblastoma of the cervical trachea. Canalis RF, et al. **Arch Otolaryngol** 102(3):176–9, Mar 76

Fibrous histiocytoma of the trachea. Hakimi M, et al. **Chest** 68(3):367–8, Sep 75

Comparative study of the ultrastructure of Tracheal and pulmonary tumours induced by multiple intratracheal instillations of diethylnitrosamine in Syrian golden hamsters. Spit BJ, et al. **Eur J Cancer** 11(12):867–72, Dec 75

Case records of the Massachusetts General Hospital, Weekly clinicopathological exercises. Case 42–1975. **N Engl J Med** 293(17):866–71, 23 Oct 75

[Tumor of the trachea or thyroid gland. Apropos of a cylindromatous tumor of the thyroid gland] André P, et al. **Ann Otolaryngol Chir Cervicofac** 91(10–11):601–8, Oct–Nov 74 (Eng. Abstr.) **(Fre)**

[Tracheobronchial cylindromas. Ultrastructural study] Verley JM, et al. **Arch Anat Pathol (Paris)** 23(3):177–83, 1975 (Eng. Abstr.) **(Fre)**

[Malignant endotracheal lymphoma] Tarao M, et al. **Jpn J Thorac Surg** 28(9):663–7, Sep 75 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

X–ray of the month guest editors. Carrera GF, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):719–20, Sep–Oct 75

The evaluation of tracheal abnormalities by tomography. Muhm JR, et al. **Radiol Clin North Am** 14(1):95–104, Apr 76

[Cylindroma of the trachea (author's transl)] Roglić M, et al. **Lijec Vjesn** 98(2):100–2, Feb 76 (Eng. Abstr.) **(Cro)**

[Metastatic tracheal neoplasm—a case study] Goto A, et al. **Jpn J Clin Radiol** 20(5):427–32, May 75 **(Jpn)**

SURGERY

Letter: Large tracheal papillomas. Fenwick DG, et al. **Ann Otol Rhinol Laryngol** 84(6):867, Nov–Dec 75

Primary tumors of the thoracic trachea with special emphasis on surgical management. Abudallo K, et al. **Int Surg** 61(6–7):347–9, Jun–Jul 76

Thoracotracheostomy. Morrison MD. **J Otolaryngol** 5(3):238–42, Jun 76

Carinal resection. A report of two cases and a description of the anesthetic technique. Theman TE, et al. **J Thorac Cardiovasc Surg** 71(2):314–20, Feb 76

TRACHEAL STENOSIS

[Endoscopic technics for the diagnosis and control of iatrogenic laryngo–tracheal lesions] Reynaud J, et al. **J Fr Otorhinolaryngol** 25(5):367–70, May 76 **(Fre)**

[Tracheobronchopathia chondro–osteoplastica (author's transl)] Kölling VK. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):22–5, Jul 76 (Eng. Abstr.) **(Ger)**

[Tracheal–stenosis in neonates, infants and small children (author's transl)] Wurnig P. **Thoraxchirurgie** 23(3):213–8, Jun 75 (Eng. Abstr.) **(Ger)**

[Tracheal stenosis] Capellá G. **An Otorrinolaringol Ibero Am** 1(3):13–36, 1974 (Eng. Abstr.) **(Spa)**

BLOOD

[Changes in blood plasma electrolyte balance in acute stenosing laryngotracheobronchitis in children] Tomilov II, et al. **Vestn Otorinolaringol** (5):74–7, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Factors determining the severity of the course of acute stenosing laryngotracheobronchitis] Ostrovskii GG. **Vestn Otorinolaringol** (4):64–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Congenital stenosis of the trachea in children] Klimanskaia EV, et al. **Pediatriia** (4):18–22, Apr 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Plethysmography on patients with tracheal and laryngeal stenosis (author's transl)] Sauer H, et al. **HNO** 23(6):178–80, Jun 75 (Eng. Abstr.) **(Ger)**

[Tracheal stenosis and function (author's transl)] Kummer F, et al. **Prax Pneumol** 29(5):300–4, May 75 (Eng. Abstr.) **(Ger)**

[Functional diagnosis of laryngeal and tracheal stenoses] Gabathuler M, et al. **Schweiz Med Wochenschr** 106(10):334–9, 6 Mar 76 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Oxygen medicinal pulverization in the treatment of stenosing diseases of the respiratory tract in children] Felgina LN. **Vestn Otorinolaringol** (5):66–9, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Tracheal stenosis associated with a low pressure cuffed endotracheal tube. Bradeer TL, et al. **Anaesthesia** 31(4):504–7, May 76

Stenosis following tracheostomy. A quantitative study of long term results. Friman L, et al. **Anaesthesia** 31(4):479–93, May 76

Acute tracheal collapse following mediastinoscopy. Barash PG, et al. **Anesthesiology** 44(1):67–8, Jan 76

Tracheal incision as a contributing factor to tracheal stenosis. An experimental study. Lulenski GC, et al. **Ann Otol Rhinol Laryngol** 84(6):781–6, Nov–Dec 75

Innominate artery compression of the Trachea. Moës CA, et al. **Arch Otolaryngol** 101(12):733–8, Dec 75

Tracheal stenosis. McCullough DW, et al. **J Otolaryngol** 5(2):138–42, Apr 76

Systemic lupus erythematosus causing subglottic stenosis. Smith RR, et al. **Laryngoscope** 86(5):734–8, May 76

Innominate artery compression syndrome. Presentation of 16 cases. Koivikko A, et al. **ORL** 38(3):187–92, 1976

[Fatal tracheal stenosis following isolated prolonged endotracheal intubation] Andersen MT, et al. **Ugeskr Laeger** 137(48):2831–3, 24 Nov 75 (Eng. Abstr.) **(Dan)**

[Tracheal stenosis after tracheotomy. Apropos of 12 cases in 227 observations] Cailar J, et al. **Ann Anesthesiol Fr** 16(5):379–86, Sep 75 (Eng. Abstr.) **(Fre)**

[Tracheal stenosis after intubation or tracheotomy. With reference to 22 resection–anastomosis operations (author's transl)] Debesse B, et al. **Ann Chir Thorac Cardiovasc** 15(1):41–6, Jan 76 (Eng. Abstr.) **(Fre)**

[Tracheal sequelae of prolonged intubation and tracheotomy] Bourguet J, et al. **J Fr Otorhinolaryngol** 25(5):362–5, May 76 **(Fre)**

[Function of contractile fibroblasts (myofibroblasts) in the genesis of laryngotracheal stenoses] Lehmann W, et al. **J Fr Otorhinolaryngol** 24(5):389–91, May 75 **(Fre)**

[Esophageal atresia, brachio–cephalic arterial trunk and tracheomalacia (author's transl)] Sauvegrain J, et al. **J Radiol Electrol Med Nucl** 57(6–7):465–70, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[The problem of tracheal stenosis following laryngectomy (author's transl)] Glasenapp GB. **Laryngol Rhinol Otol (Stuttg)** 54(6):458–61, Jun 75 (Eng. Abstr.) **(Ger)**

[Tracheobronchial changes after tracheotomy] Buruiană M, et al. **Rev Chir [Otorinolaringol]** 21(1):41–6, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Tracheal stenosis caused by isolated lymphogranulomatosis] Skrizhalin ON, et al. **Grudn Khir** (4):100–1, Jul–Aug 75 **(Rus)**

PREVENTION & CONTROL

[The prevention and treatment of laryngeal and tracheal stenoses in children] Schlosshauer B. **Fortschr Med** 93(25):1129–32, 11 Sep 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Narrowing of the cervical trachea following foreign body aspiration] Lallemand D, et al. **Ann Radiol (Paris)** 18(4):413–8, May–Jun 75 **(Eng, Fre)**

[X–ray diagnosis of chronic cicatricial stenosis of the larynx and the cervical region of the trachea] Fastovskiĭ IaA, et al. **Vestn Rentgenol Radiol** (1):79–82, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

REHABILITATION

Teaching American sign language to a normally hearing infant with tracheostenosis. A case study. English ST, et al. **Clin Pediatr (Phila)** 14(12):1141–5, Dec 75

SURGERY

Resection of stenotic trachea: a case presentation. Boyan CP, et al. **Anesth Analg (Cleve)** 55(2):191–4, Mar–Apr 76

Catheter inflation ventilation in tracheal stenosis. Macnaughton FI. **Br J Anaesth** 47(11):1225–7, Nov 75

The surgical treatment of non–tumorous tracheal stenoses. Vermaak JC, et al. **Bronches** 24(6):301–8, Nov–Dec 74

Tracheobronchial resection and reconstruction. A report of five cases. Levinsky L, et al. **Isr J Med Sci** 11(5):441–7, May 75

Management of acquired tracheal obstructions in infancy. Johnson DG, et al. **J Pediatr Surg** 10(5):709–17, Oct 75

Clinical experiences in hyoid arch transposition. Alonso WA, et al. **Laryngoscope** 86(5):617–24, May 76

[The possibility of resection in cases of stenosis of the thoracic trachea, by the pure cervical approach. With reference to two cases (author's transl)] Metras D, et al. **Ann Chir Thorac Cardiovasc** 14(3):289–91, Jul 75 (Eng. Abstr.) **(Fre)**

[11 cases of cicatricial tracheal stenoses treated surgically (depressing the larynx)] Debesse B, et al. **Bronches** 24(6):309–21, Nov–Dec 74 **(Fre)**

[Experience and results in surgical treatment of 140 tracheal stenoses in otorhinolaryngeal clinics of the GDR] Kup W. **Bronches** 25(2):75–80, Mar–Apr 75 **(Fre)**

[Surgical treatment of severe cicatricial tracheal stenosis] Lodi R, et al. **Bronches** 25(2):81–91, Mar–Apr 75 **(Fre)**

[Resection of a high tracheal stenosis and reconstitution of the continuity by means of the isolated lowering of the larynx] Dumeyniou P, et al. **J Fr Otorhinolaryngol** 25(5):379, May 76 **(Fre)**

[Reconstruction of tracheal stenosis at thoracic inlet level (author's transl)] Denecke HJ, et al. **HNO** 23(4):126–8, Apr 75 (Eng. Abstr.) **(Ger)**

[The use of plastic prosteses in laryngeal and tracheal stenoses (author's transl)] Révész G, et al. **HNO** 23(2):49–51, Feb 75 (Eng. Abstr.) **(Ger)**

[The prevention and management of tracheal and laryngeal steeosis in children (author's transl)] Schlosshauer B. **HNO** 23(11):342–4, Nov 75 (Eng. Abstr.) **(Ger)**

[Tracheal and esophageal endoprostheses made of soft plastics] Brandt RH. **Polim Med** 5(2):149–55, 1975 (Eng. Abstr.) **(Ger)**

[Surgical treatment of circular cicatricial tracheal stenoses] Moritz E, et al. **Wien Med Wochenschr** 125(28–31):446–8, 11 Jul 75 **(Ger)**

[Results in the surgical management of tracheal stenoses (author's transl)] Fabian G. **Z Erkr Atmungsorgane** 142(1):78–82, Jan 75 (Eng. Abstr.) **(Ger)**

[Surgical treatment of scarred tracheal stenoses as sequence of long-term artificial respiration in thoracic injuries] Dippmann A. **Zentralbl Chir** 101(10):622–5, 1976 **(Ger)**

[Resection of the trachea and bifurcation] Schoefer G. **Zentralbl Chir** 100(5):277–89, 1975 **(Ger)**

[Complications of tracheotomy in children with-stenosing laryngotracheo- bronchitis] Bukhman LA, et al. **Vestn Otorinolaringol** (1):70–6, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

THERAPY

Tracheal stenosis. A method of dilation with use of the fiberoptic bronchoscope. Goldman MH, et al. **Arch Surg** 111(5):554–6, May 76

Management of laryngo–tracheal stenosis Carlens E. **Bronches** 24(6):297–300, Nov–Dec 74

Treatment of tracheal stenosis: an unusual complication. Marlowe FI, et al. **Laryngoscope** 86(8):1268–71, Aug 76

[Treatment of laryngotracheal stenosis. Apropos of 7 cases] Pinson L, et al. **Rev Laryngol Otol Rhinol (Bord)** 95(11–12):721–34, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

[Rapid dilatation of esophageal and laryngo–tracheal strictures by laminaria tents] Rodriguez–Adrados F. **Rev Laryngol Otol Rhinol (Bord)** 96(9–10):529–34, Sep–Oct 75 **(Fre)**

VETERINARY

Tracheal stenosis in a cat. Leonpacher RJ. **Mod Vet Pract** 57(4):287, Apr 76

TRACHEITIS

CHEMICALLY INDUCED

[Laryngeal paralysis and associated tracheobronchial lesions of unusual toxic origin] Olariu B, et al. **Rev Chir [Otorinolaringol]** 21(2):153–6, Apr–Jun 76 **(Rum)**

COMPLICATIONS

[Etiology and clinical course of acute laryngotracheobronchitis in children] Gileva ZP, et al. **Pediatriia** (1):38–40, Jan 76 (Eng. Abstr.) **(Rus)**

[Sudden infant death in staphylococcal larynogotracheitis] Puchkov GF. **Vestn Otorinolaringol** (5):71–3, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Laryngotracheobronchitis: 2 years' experience with racemic epinephrine. Singer OP, et al. **Can Med Assoc J** 115(2):132–4, 17 Jul 76

[Proteolytic enzymes in the overall therapy of laryngotracheobronchitis in young children] Kurilin IA, et al. **Zh Ushn Nos Gorl Bolezn** (5):43–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

HISTORY

Did George Washington die of quinsy? Scheidemandel HH. **Arch Otolaryngol** 102(9):519–21, SEP 76

PREVENTION & CONTROL

[Experience in the complex vaccination of birds against pseudoplague, infectious laryngotracheitis and diphtheria pox] Cholakova R. **Vet Med Nauki** 12(5):62–9, 1975 (Eng. Abstr.) **(Bul)**

THERAPY

[Treatment of stenosizing laryngo–tracheitis in childhood. Problems common to pediatrics and anesthesiology (author's transl)] Ambs E, et al. **Immun Infekt** 2(1):85–7, Feb 74 (Eng. Abstr.) **(Ger)**

[Tracheostomy and prolonged nasotracheal intubation in the treatment of severe forms of acute laryngotracheobronchitis] Ostrovskiĭ GG, et al. **Zh Ushn Nos Gorl Bolezn** (6):48–50, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Epizootiology of infectious laryngotracheitis in British Columbia 1971–1973. Hayles LB, et al. **Can Vet J** 17(4):101–8, Apr 76

Intratracheal gentamicin and dexamethasone for treatment of infectious tracheobronchitis in the dog. Hutchison RV. **Vet Med Small Anim Clin** 70(8):943–5, Aug 75

[Experimental pathology of infectious laryngotracheitis of chickens] Odagiri Y, et al. **Virus (Tokyo)** 24(1):89–92, Apr 74 **(Jpn)**

[Dynamics of the development of mixed infection on poultry farms] Kiprich VV, et al. **Veterinariia** (8):49–52, Aug 75 **(Rus)**

[Biological properties of the cultured virus of infectious laryngotracheitis of poultry] Makogon VF. **Veterinariia** (12):47–9, Dec 75 **(Rus)**

[Serum lysozyme activity in chicks vaccinated against infectious laryngotracheitis via inhalation] Shornikov VV, et al. **Veterinariia** (11):38–9, Nov 75 **(Rus)**

TRACHEOESOPHAGEAL FISTULA

[Tracheoesophageal fistulas after tracheotomy. Therapeutic attitude] Du Plessis Y, et al. **J Fr Otorhinolaryngol** 25(5):385–8, May 76 **(Fre)**

COMPLICATIONS

Acute post–traumatic respiratory failure treated with prolonged controlled ventilation and complicated with spontaneously healing tracheo–oesophageal fistula. Saladajczyk G, et al. **Anaesth Resusc Intensive Ther** 3(4):361–3, Oct–Dec 75

An unusual case of tracheoesophageal fistula and esophageal atresia complicated by malrotation and a partial duodenal diaphragm. Boston VE, et al. **J Pediatr Surg** 10(5):835–6, Oct 75

Tracheoesophageal pouch occurring in a case of esophageal atresia with distal tracheoesophageal fistula. Munda R, et al. **J Pediatr Surg** 11(1):111–2, Feb 76

Cardiovascular malformations associated with tracheoesophageal fistula and esophageal atresia. Greenwood RD, et al. **Pediatrics** 57(1):87–91, Jan 76

Tracheomalacia in association with congenital tracheoesophageal fistula. Benjamin B, et al. **Surgery** 79(5):504–8, May 76

A modified method for the repair of esophageal atresia with tracheoesophageal fistula. López–Pérez GA. **Surgery** 79(5):499–503, May 76

[Report of 2 cases of pulmonary tuberculosis with tracheoesophageal fistula] Fu RC. **Chin Med J [Engl]** (6):445–6, 36, 1975 **(Chi)**

CONGENITAL

Congential H–type tracheo–oesophageal fistula. Sundar B, et al. **Arch Dis Child** 50(11):862–3, Nov 75

Congenital bronchobiliary fistula associated with esophageal atresia and tracheo–esophageal fistula. Kalayoğlu M, et al. **J Pediatr Surg** 11(3):463–4, Jun 76

[Cor biloculare. Description of a case and study of associated malformative complexes] Bonelli A, et al. **Minerva Cardioangiol** 23(9):576–8, Sep 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Letter: Oesophageal atresia and tracheo–oesophageal fistula. Chappell JS. **S Afr Med J** 50(20):760, 8 May 76

ETIOLOGY

Unusual manifestation of tuberculosis: TE fistula. Wigley FM, et al. **Am J Med** 60(2):310–4, Feb 76 (20 ref.)

Nursing care study. Oesophageal atresia with tracheo–oesophageal fistula associated with hydramnios. Lander AJ. **Nurs Times** 72(35):1351–3, 2 Sep 76

[Neoplastic tracheo–esophageal fistula in a patient with esophageal stenosis caused by caustic substances] Scala G, et al. **Bronches** 25(4):256–60, Jul–Aug 75 **(Fre)**

[Letter: Tracheobronchial fistula. An exceptional complication of hematemesis therapy using a Linton catheter] Page A, et al. **Nouv Presse Med** 4(32):2340, 4 Oct 75 **(Fre)**

[An oesophagotracheal Fistula following prolonged intubation (author's transl)] Salzer GM, et al. **HNO** 24(1):17–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Clinical treatment of tracheoesophageal fistulas due to foreign bodies (author's transl)] Römer KH, et al. **Z Erkr Atmungsorgane** 145(1):59–69, Apr 76 (Eng. Abstr.) **(Ger)**

[Acquired esophago–tracheo–bronchial fistulas (observations on a case)] Coloni GF, et al. **Arch Chir Torac Cardiovasc** 32(1–2):67–80, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Esophageal atresia with tracheoesophageal fistula in four male members of a kindred. Bianchine JW, et al. **South Med J** 69(8):1098–9, Aug 76

SURGERY

Repair of laryngotracheoesophageal cleft using interposition of a strap muscle. Hendren WH. **J Pediatr Surg** 11(3):425–9, Jun 76

A procedure for management of acquired tracheoesophageal fistula in ventilator patients. Bartlett RH. **J Thorac Cardiovasc Surg** 71(1):89–95, Jan 76

Laryngeal problems following infant esophageal surgery. Robertson JR, et al. **Laryngoscope** 86(7):965–70, Jul 76

Repair of esophageal atresia and tracheoesophageal fistula. Bell MJ. **Mo Med** 73(3):136–7, 142, Mar 76

Surgical management of malignant tracheo–esophageal fistula Lambert A. **NY State J Med** 75(13):2369–72, Nov 75

Congenital esophageal atresia and tracheo–esophageal fistula; fifteen–year experience. Redo SF. **NY State J Med** 75(13):2372–4, Nov 75

Oesophageal atresia and tracheo–oesophageal fistula. Cywes S, et al. **S Afr Med J** 50(12):483–90, 20 Mar 76

Esophageal atresia and tracheoesophageal fistula malformations. Ashcraft KW, et al. **Surg Clin North Am** 56(2):299–315, Apr 76

[Tracheoesophageal fistula in newborn infants and infants] Gross R. **Pol Przegl Chir** 48(5A):45–9, 1976 (Eng. Abstr.) **(Pol)**

[Importance of structural characteristics of the esophagus and tracheo–esophageal fistula in surgical treatment of esophageal atresia in newborn infants] Doroshevskiĭ IuL, et al. **Vestn Khir** 116(2):118–23, Feb 76 (Eng. Abstr.) **(Rus)**

THERAPY

External diversion for palliative treatment of malignant tracheoesophageal or bronchoesophageal fistulas. Schreiber H, et al. **Am J Surg** 131(6):775–6, Jun 76

VETERINARY

[Oesophagotracheal fistula in a calf. Report of a case (author's transl)] van der Gaag I, et al. **Tijdschr Diergeneeskd** 101(7):347–54, 1 Apr 76 (Eng. Abstr.) **(Dut)**

TRACHEOSTOMY see **TRACHEOTOMY**

TRACHEOTOMY

Acute epiglottis. Diliberti JH. **Am J Dis Child** 130(6):676, Jun 76

Helping patients with endotracheal and tracheostomy tubes communicate. Lawless CA. **Am J Nurs** 75(12):2151–3, Dec 75

The management of the retained tracheostomy tube. Bush GH. **Anaesth Intensive Care** 4(2):113–7, May 76

Factors influencing choice between tracheostomy and prolonged translaryngeal intubation in acute respiratory failure: a prospective study. El–Naggar M, et al. **Anesth Analg (Cleve)** 55(2):195–201, Mar–Apr 76

Prolonged nasotracheal intubation or tracheostomy in acute laryngotracheobronchitis and epiglottitis? Shann FA, et al. **Aust Paediatr J** 11(4):212–7, Dec 75

Tracheal intubation with a Robertshaw tube via a tracheostomy. Simpson PM. **Br J Anaesth** 48(4):373–5, Apr 76

Experiences with the Asai technique. Miller AH. **Can J Otolaryngol** 4(4):549–51, 1975

Tracheostomy for prolonged ventilation. Jayasuriya JP, et al. **Ceylon Med J** 20(4):246–52, Dec 75

Endotracheal antibiotics for the prevention of tracheobronchial infections in tracheotomized unconscious patients. A comparative study of gentamicin and aminosidin–polymyxin B combination. Klastersky J, et al. **Chest** 68(3):302–6, Sep 75

Decannulation of the tracheostomized patient. Greenbaum DM. **Heart Lung** 5(1):119–23, Jan–Feb 76

Management of airway obstruction. Tracheotomy and cricothyrotomy. pp. 137–44. Maniglia AJ. **In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.**

Concentration of gentamicin in bronchial secretions of children with cystic fibrosis of tracheostomy. (Comparison between the intramuscular route, the endotracheal instillation and aerosolization). Baran D, et al. **Int J Clin Pharmacol Biopharm** 12(3):336–41, Oct 75

Fatal haemorrhage from the innominate artery complicating tracheostomy. Gnanapragasam A. **J Laryngol Otol** 89(8):853–5, Aug 75

Tracheal stenosis. McCullough DW, et al. **J Otolaryngol** 5(2):138–42, Apr 76

Thoracotracheostomy. Morrison MD. **J Otolaryngol** 5(3):238–42, Jun 76

Tracheostomy or not? Greene DA. **JAMA** 234(11):1150–1, 15 Dec 75

Tracheostomy in infants and young children. Hawkins DB, et al. **Laryngoscope** 86(3):331–40, Mar 76

Special considerations in epiglottitis in children. Scheidemandel HH, et al. **Laryngoscope** 85(10):1738–45, Oct 75

Tracheostomy. Bevan DR. **Nurs Times** 71(35):1371–3, 28 Aug 75

Human nasal blood vessels after permanent tracheostomy. Electron–microscopic study. Toppozada HH, et al. **ORL** 38(1):35–44, 1976

Lung humidification. Grant DE. **Physiotherapy** 61(4):104–5, Apr 75

Tracheostomy. Salmon LF. **Proc R Soc Med** 68(6):347–56, Jun 75

Surgical aspects of airway management in infants and children. Johnson DG, et al. **Surg Clin North Am** 56(2):263–79, Apr 76

[The picture of tracheotomy in children] Hybášek I, et al. **Cesk Otolaryngol** 24(6):351–6, Dec 75 (Eng. Abstr.) **(Cze)**

[Bronchopulmonary infection in resuscitation in tracheotomized patients] Barale F, et al.

Ann Anesthesiol Fr 15(3):177–85, 1974 (Eng. Abstr.) **(Fre)**

[Our indications for tracheostomy and plastic closure of the tracheostoma. analysis of case reports. IInd communication] Franz A, et al. **Z Erkr Atmungsorgane** 143(1):40–5, Apr 75 **(Ger)**

[Catheterization of the bronchial tree via tracheocentesis] Pomosov DV, et al. **Voen Med Zh** (9):71–3, Sep 75 **(Rus)**

[Tracheostomy, its complications and their prevention] Abramiia OA, et al. **Zh Ushn Nos Gorl Bolezn** (4):67–70, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Case of tracheostomy in carbon monoxide poisoning] Grotskil SA, et al. **Zh Ushn Nos Gorl Bolezn** (6):90–1, Nov–Dec 75 **(Rus)**

[Tracheostomy and prolonged nasotracheal intubation in the treatment of severe forms of acute laryngotracheobronchitis] Ostrovskiĭ GG, et al. **Zh Ushn Nos Gorl Bolezn** (6):48–50, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Treatment of complications and sequelae of tracheotomy] Stanisavljević B, et al. **Srp Arh Celok Lek** 103(9):745–9, Sep 75 **(Ser)**

[Anatomo–surgical aspects of tracheotomy] Moncho R. **Rev Fac Cienc Med Cordoba** 32(3–4):254–6, Jul–Dec 74 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Survival after haemorrhage from the brachiocephalic truncus following tracheostomy. Adolfsson R, et al. **Acta Otolaryngol (Stockh)** 80(3–4):312–6, Sep–Oct 75

Stenosis following tracheostomy. A quantitative study of long term results. Friman L, et al. **Anaesthesia** 31(4):479–93, May 76

Tracheal dilatation. Fryer ME, et al. **Anaesthesia** 31(4):470–8, May 76

Pneumatocele of the larynx: a complication of percutaneous transtracheal ventilation. Carden E, et al. **Anesth Analg (Cleve)** 55(4):600–1, Jul–Aug 76

Tracheal incision as a contributing factor to tracheal stenosis. An experimental study. Lulenski GC, et al. **Ann Otol Rhinol Laryngol** 84(6):781–6, Nov–Dec 75

Tracheo–innominate artery erosion: Successful surgical management of a devastating complication. Jones JW, et al. **Ann Surg** 18(2):194–204, Aug 76

Trachea—innominate artery fistula following tracheostomy. Successful repair using an innominate vein graft. Nunn DB, et al. **Ann Thorac Surg** 20(6):698–702, Dec 75

Tracheostomy in children. Palva A, et al. **Arch Otolaryngol** 101(9):536–9, Sep 75

Tracheal stenosis. A method of dilation with use of the fiberoptic bronchoscope. Goldman MH, et al. **Arch Surg** 111(5):554–6, May 76

A manometric study of the upper oesophagus in the dog following cuffed–tube tracheostomy. Leverment JN, et al. **Br J Anaesth** 48(2):83–9, Feb 76

Management of laryngo–tracheal stenosis Carlens E. **Bronches** 24(6):297–300, Nov–Dec 74

Developmental influences of infant tracheostomy. Freeland AP, et al. **J Laryngol Otol** 88(10):927–36, Oct 74

[Late organic and functional findings in children following tracheotomy] Rous J, et al. **Cesk Otolaryngol** 25(2):89–96, Apr 76 (Eng. Abstr.) **(Cze)**

[Tracheal stenosis after intubation or tracheotomy. With reference to 22 resection–anastomosis operations (author's transl)] Debesse B, et al. **Ann Chir Thorac Cardiovasc** 15(1):41–6, Jan 76 (Eng. Abstr.) **(Fre)**

[Tracheal sequelae of prolonged intubation and tracheotomy] Bourguet J, et al. **J Fr Otorhinolaryngol** 25(5):362–5, May 76 **(Fre)**

[Tracheoesophageal fistulas after tracheotomy. Therapeutic attitude] Du Plessis Y, et al. **J Fr Otorhinolaryngol** 25(5):385–8, May 76 **(Fre)**

[Tracheotomy–faults and complications] Jehmlich H, et al. **Laryngol Rhinol Otol (Stuttg)** 55(4):309–15, Apr 76 (Eng. Abstr.) **(Ger)**

[Late complications following endotracheal intubation and tracheotomy] Ziętek E, et al. **Pol Tyg Lek** 31(15):621–4, 12 Apr 76 (Eng. Abstr.) **(Pol)**

[Tracheobronchial changes after tracheotomy] Buruiană M, et al. **Rev Chir [Otorinolaringol]** 21(1):41–6, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Complications of tracheotomy in children with–stenosing laryngotracheo– bronchitis] Bukhman LA, et al. **Vestn Otorinolaringol** (1):70–6, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Analysis of bacteriological cultures in tracheostomized patients] Gudurić A, et al. **Med Pregl** 28(9–10):385–7, 1975 (Eng. Abstr.) **(Ser)**

[A case of anoxia by diffusion] Manrique C, et al. **Rev Esp Anestesiol Reanim** 23(2):158–62, Mar 76 **(Spa)**

[Care and complications of tracheotomy] Manzano JL, et al. **Rev Esp Anestesiol Reanim** 22(6):490–503, Nov 75 (Eng. Abstr.) **(Spa)**

[Inmediate and late intubation and tracheostomy lesions (author's transl)] Garcia Buñuel PC. **Rev Esp Otoneurooftalmol Neurocir** 33(196):243–52, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

A British Standard–Nosworthy adaptor. Gilston A. **Anaesthesia** 31(4):529, May 76

Difficulty in removal of tracheostomy tubes. Pavlin EG, et al. **Anesthesiology** 44(1):69–70, Jan 76

'Low–pressure' cuffs and tracheal damage. Merav A. **Chest** 69(5):705, May 76

A newly developed permanent tracheostomy tube. Adams D. **J Laryngol Otol** 89(7):767–769, Jul 75

Letter: Seven come eleven. Sabiston WR. **JAMA** 234(12):1222, 22 Dec 75

Emergency tracheostomy. Clarke SW, et al. **Practitioner** 215(1287):340–1, Sep 75

Traction sutures in a tracheostomy using a ligature passer. Parnes SM, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(4):ORL 479–85, Jul–Aug 76

[The Cannula–free tracheostoma after total exstirpation of the larynx] Jatho K. **Laryngol Rhinol Otol (Stuttg)** 55(8):631–6, Aug 76 (Eng. Abstr.) **(Ger)**

[Contribution to the difficulties encountered in the removal of a cannula in children] Zak A. **Otolaryngol Pol** 29(6):613–5, 1975 **(Pol)**

METHODS

Emergency tracheostomy. Golden GT, et al. **Am J Surg** 131(6):766–7, Jun 76

Tracheostomy and endotracheal tube cuff volume and pressure changes during thoracic operations. Stanley TH, et al. **Ann Thorac Surg** 20(2):144–51, Aug 75

New techniques for vocal rehabilitation. Rogers JH, et al. **Can J Otolaryngol** 4(4):595–604, 1975

Cricothyroidotomy: elective use in respiratory problems requiring tracheotomy. Brantigan CO, et al. **J Thorac Cardiovasc Surg** 71(1):72–81, Jan 76

Tracheotomy in pediatric airway management. Douglas GS, et al. **Pediatr Ann** 5(8):509–16, Aug 76

[Reconstruction of the larynx] Savary P. **Can J Otolaryngol** 4(4):555–62, 1975 **(Fre)**

[Surgical technique for institution and plastic closure of the tracheostoma. Ist communication] Gdanietz K, et al. **Z Erkr Atmungsorgane** 143(1):36–9, Apr 75 (Eng. Abstr.) **(Ger)**

[Laryngotracheoscopic findings before and after closure of a sewed–up tracheostoma in children with special regards to functional results. IIIrd communication (author's transl)] Schneider I, et al. **Z Erkr Atmungsorgane** 143(1):46–55, Apr 75 (Eng. Abstr.) **(Ger)**

[Tracheal stenosis] Capellá G. **An Otorrinolaringol Ibero Am** 1(3):13–36, 1974 (Eng. Abstr.) **(Spa)**

[Facilitation of tracheal fenestration in tracheostomy] de Frutos Herranz M. **Rev Esp Anestesiol Reanim** 23(1):79–82, Jan 76 (Eng. Abstr.) **(Spa)**

MORTALITY

Fatal complications of tracheotomy. Stemmer EA, et al. **Am J Surg** 131(3):288–90, Mar 76

STANDARDS

Editorial: Performance standards for tracheal tubes and cuffs. Bryant LR. **Ann Thorac Surg** 21(2):189–90, Feb 76

TRACHOMA

Trachoma. Treharne JD. **Nurs Times** 72(14):523–5, 8 Apr 76

The MRC trachoma unit a review of its researches, 1956–1973. Collier LH. **Rev Int Trach** 51(2):7–42, 1974 (103 ref.)

[Considerations on a case of trachoma] Pastor Fimeno FC. **Rev Med Univ Navarra** 17(4):345–9, Dec 73 **(Spa)**

COMPLICATIONS

Communicable ophthalmia: the blinding scourge of the Middle East. Yesterday, today and ? tommorrow. Jones BR, et al. **Br J Ophthalmol** 60(7):492–8, Jul 76

Surgical correction of trachomatous cicatricial entropion. Sandford–Smith JH. **Br J Ophthalmol** 60(4):253–5, Apr 76

Trachoma as a cause of visual impairment and blindness. Bietti GB. **Rev Int Trach** 51(3):59–76, 1974

The prevention of blindness from trachoma. Jones BR. **Trans Ophthalmol Soc UK** 95(1):16–33, Apr 75

[Lack of reliability of the estimation of intraocular tension by means of palpation in the diagnosis of glaucoma in patients with trachoma] Dolezalova V. **Rev Int Trach** 52(1–2):55–61, 1975 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Trachoma in a rural Haitian community. Nichols RL, et al. **Am J Ophthalmol** 81(1):76–81, Jan 76

[Diagnostic value of Halberstaedter–Prowazek corpuscles in trachoma] Vancea P. **Rev Int Trach** 51(4):33–40, 1974 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

The present status of trachoma in the Eastern Mediterranean Region. Maichuk Y. **Bull Ophthalmol Soc Egypt** 68:51–4, 1975

[Microbiologic findings in a controlled trial of rifampicin and tetracycline for the treatment of severe endemic trachoma in Tunisia] Dawson CR, et al. **Rev Int Trach** 51(4):59–69, 1974 **(Eng, Fre)**

Topical meclocycline in the treatment of trachoma in lower Egypt. Wadia I, et al. **Rev Int Trach** 51(2):91–4, 1974

[Comparative study of the effect of rifampicin, of tetracycline and of a placebo in the treatment of trachoma] Daghfous T, et al. **Rev Int Trach** 51(4):71–80, 1974 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antigenic analysis of Chlamydiae by two–dimensional immunoelectrophoresis. II. A trachoma–LGV–specific antigen. Caldwell HD, et al. **J Immunol** 115(4):969–75, Oct 75

Morphological substrate of immune reactions in the conjunctiva in paratrachoma and trachoma. Maslova–Khoroshilova IP, et al. **Rev Int Trach** 51(3):7–28, 1974

[Morphological substrate of immune reactions produced in the conjunctiva in swimming pool conjunctivitis and trachoma] Maslova–Khoroshilova IP, et al. **Rev Int Trach** 51(3):29–40, 1974 **(Fre)**

MICROBIOLOGY

Trachoma in the Sudan. A laboratory study. Salim AR, et al. **Br J Ophthalmol** 59(8):435–8, Aug 75

Trachoma organisms: technical advances in laboratory diagnosis. Kuo CC, et al. **Chin J Microbiol** 8(2):188–99, Jun 75

Biological properties and immunotypes of trachoma–LGV organisms with some comments on laboratory diagnosis. pp. 39–52. Wang S, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Interaction of Chlamydia trachomatis organisms and HeLa 229 cells. Kuo CC, et al. **Infect Immun** 13(4):1103–9, Apr 76

[Severe endemic trachoma in Tunisia: changes in ocular bacterial pathogens in children treated by the intermittent antibiotic regimen] Whitcher JP, et al. **Rev Int Trach** 51(4):49–58, 1974 **(Eng, Fre)**

[Bacteriology of the trachomatous eye] Nabli B. **Rev Int Trach** 51(4):93–102, 1974 (Eng. Abstr.) **(Fre)**

[Identification of the causative agents of trachoma and paratrachoma by the method of direct immunofluorescence and staining by the Romanovskiĭ–Giemsa method] Tsereteli EK, et al. **Lab Delo** (1):54–5, 1976 **(Rus)**

OCCURRENCE

Severe endemic trachoma in Tunisia. Dawson CR, et al. **Br J Ophthalmol** 60(4):245–52, Apr 76

Trachoma in the Sudan. An epidemiological study. Salim AR, et al. **Br J Ophthalmol** 59(10):600–4, Oct 75

Laboratory study of trachoma in Egyptian rural schoolchildren. Mordhorst CH, et al. **Bull WHO** 51(2):167–71, 1974

Editorial: Trachoma—a national problem. **Indian J Public Health** 19(2):61–2, Apr–Jun 75

Epidemiological survey of prevalence of trachoma among the school children in Haryana State. Sharma JL, et al. **Indian J Public Health** 19(2):63–8, Apr–Jun 75

Incidence of trachoma in primary school children of Tirupati. Bai KI, et al. **Indian Pediatr** 12(7):583–5, Jul 75

Letter: Ethiopia. Davey MG. **Med J Aust** 2(4):153, 26 Jul 75

Prevalence and treatment of trachoma in the Libyan (Arab Republic). Doci J, et al. **Rev Int Trach** 51(3):85–97, 1974

[Trachoma epidemiology. Studies in various South Algerian localities. Practical conclusions] Aouchiche M, et al. **Rev Int Trach** 52(1–2):79–90, 1975 **(Fre)**

[Trachomatous entropion–trichiasis in the central Sahara (Apropos of 156 Trabut tarsotomies] Cornand G. **Rev Int Trach** 51(3):77–83, 1974 (Eng. Abstr.) **(Fre)**

[Present status of trachomatous disease in southern Tunisia] Doležalová V. **Rev Int Trach** 51(2):109–14, 1974 (Eng. Abstr.) **(Fre)**

[Epidemiologic study of trachoma and of seasonal conjunctivitis in the Sahara] Murube del Castillo J. **Rev Int Trach** 51(4):111–9, 1974 **(Fre)**

[Problem of trachoma in the urban environment of Bratislava. Analysis of incidence in the years 1962–1973] Ferencei M, et al. **Cesk Oftalmol** 31(5):363–9, Sep 75 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Blinding and non–blinding trachoma: assessment of intensity of upper tarsal inflammatory disease and disabling lesions. Dawson CR, et al. **Bull WHO** 52(3):279–82, 1975

Sub–cellular pathology of trachomatous tissue particularly the nuclear lesions. Vali NA. **Rev Int Trach** 51(3):41–9, 1974

[Electron microscopic study of trachoma] Gendre P, et al. **Arch Ophtalmol (Paris)** 35(12):981–1004, Dec 75 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of the trachoma infected conjunctiva] Gendre PH, et al. **Rev Int Trach** 52(1–2):14–47, 1975 (97 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Trachoma control in turkey and results. Sendilek I. **Rev Int Trach** 52(1–2):49–54, 1975

Trachoma control in the Eastern Mediterranean Region. Majčuk J. **WHO Chron** 30(3):97–100, Mar 76

Trachoma control in ethiopia. Maichuk YF. **Rev Int Trach** 52(3–4):83–123, 1975 **(Fre)**

Trachoma control in Afghanistan. Maichuk YF. **Rev Int Trach** 52(3–4):65–82, 1975 **(Fre)**
Methods for mass trachoma control in the Middle East. Maichuk YF. **Rev Int Trach** 52(3–4):33–63, 1975 **(Fre)**
[Epidemiology and natural history of trachoma in Tunisia] Messadi M, et al. **Rev Int Trach** 51(4):7–31, 1974 (Eng. Abstr.) **(Fre)**
[Present orientation of the WHO program for trachoma] Tarizzo ML. **Rev Int Trach** 51(4):103–10, 1974 (Eng. Abstr.) **(Fre)**

THERAPY

[Treatment of trachoma in Yemen] Golovine S. **Rev Int Trach** 51(2):99–101, 1974 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Studies of trachoma in families on Taiwan. Yeh LJ, et al. **Chin J Microbiol** 8(2):120–32, Jun 75

TRACHOMA VIRUS see **CHLAMYDIA TRACHOMATIS**

TRACK AND FIELD

Physiological aspects of synthetic tracks. Foot motions during support phase of various running types on different track materials. Haberl R, et al. **Biotelemetry** 1(3):171–8, 1974
Biomechanical aspects of jumping. Hay JG. **Exerc Sport Sci Rev** 3:135–61, 1975
Social influences on female athletic performance. Dyer KF. **J Biosoc Sci** 8(2):123–9, Apr 76
[Condition trained sportsmen as Marathon runners] Orava S, et al. **Schweiz Z Sportmed** 24(1):17–29, 1976 (Eng. Abstr.) **(Ger)**

TRACTION

Cervical spine syndrome. Hogan L, et al. **Am J Nurs** 76(7):1104–7, Jul 76
An evaluation of extraoral combined high-pull traction and cervical traction to the maxilla. Badell MC. **Am J Orthod** 69(4):431–46, Apr 76
Letter: Trial by traction. Cyriax J. **Br Med J** 1(6008):522–3, 28 Feb 76
Letter: Trial by traction. Scott BO. **Br Med J** 1(6004):284, 31 Jan 76
Treatment of congenital hip dislocation by muscle release, skeletal traction and closed reduction in older children. Arzimanoglu A. **Clin Orthop** (119):70–5, Sep 76
Viscoelastic behaviour of deformed spines under correction with halo pelvic distraction. Clark JA, et al. **Clin Orthop** (110):90–111, Jul–Aug 75
Lumbar traction: a double-blind controlled study for sciatica. Mathews JA, et al. **Rheumatol Rehabil** 14(4):222–5, Nov 75
New technics in the operative treatment of scoliosis. Jacobs R, et al. **South Med J** 68(12):1497–1506, Dec 75
[Management of maxillary retrognathism by facial traction] Van Put E. **Acta Stomatol Belg** 72(4):589–95, 1975 **(Dut)**
[Treatment of maxillary retrognathism by facial traction] Van Put E. **Acta Stomatol Belg** 72(4):589–95, 1975 **(Dut)**
[Flail chest in a child. Cure by the combination of osteosynthesis and continuous traction] Argenson C, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):97–9, 1975 (Eng. Abstr.) **(Fre)**
[Asymmetric cervical traction] Bonnefont R, et al. **Orthod Fr** 45(2):276–80, 1974 **(Fre)**
[Treatment of a case of extreme micrognathia. Significance of continuous traction] Souyris F, et al. **Rev Stomatol Chir Maxillofac** 76(1):39–44, Jan–Feb 75 (Eng. Abstr.) **(Fre)**
[Growing jaw during and after orthopedic-surgical extension in children with congenital microgenia] Schettler D, et al. **Fortschr Kiefer Gesichtschir** 18:166–9, 1974 **(Ger)**
[Statistical-experimental studies on traction (demonstrated on the olecranon fracture)] Labitzke R. **Monatsschr Unfallheilkd** 78(9):393–400, Sep 75 (Eng. Abstr.) **(Ger)**
[Supracondylar fractures of the humerus in children, treated with traction] Gerner T, et al. **Tidsskr Nor Laegeforen** 95(28):1587–90, 1603, 10 Oct 75 (Eng. Abstr.) **(Nor)**
[Regeneration of bone tissue of the diaphysis under different conditions of experimental traction osteosynthesis] Lediaev VI. **Eksp Khir Anesteziol** (2):42–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Compression-distraction osteosynthesis and its place in traumatology and orthopedics] Dubrov IaG. **Khirurgiia (Mosk)** (5):142–4, May 75 (Eng. Abstr.) **(Rus)**
[Use of muscle relaxants of the aconite group in the treatment of fractures and fractures-dislocations of the bones of the limbs by the method of continuous traction] Gorlianskii PI. **Klin Khir** (7):64–5, Jun 75 **(Rus)**
[Treatment of different foot deformities in children and adolescents by the distraction method] Abal'masova EA, et al. **Ortop Travmatol Protez** (2):49–51, Feb 76 **(Rus)**
[Use of transosseous compression-distraction osteosynthesis in reconstructive surgery of the musculo-skeletal apparatus] Lebedev AA. **Ortop Travmatol Protez** (10):27–31, Oct 75 (Eng. Abstr.) **(Rus)**
[Mechanical strength of bone regenerate formed under conditions of distraction osteosynthesis] Nikitenko ET, et al. **Ortop Travmatol Protez** (10):34–40, Oct 75 (Eng. Abstr.) **(Rus)**
[Clinico-pathogenetic variants and treatment of diskogenic lumbosacral radiculitis] Akimov GA, et al. **Voen Med Zh** (2):50–5, Feb 76 **(Rus)**
[Treatment of secondary radicular syndrome by the traction method] Bogoutdinov AZ. **Vrach Delo** (2):114–5, Feb 74 **(Rus)**
[Stretch and manipulation treatment of the lumbar spine] Cardell H, et al. **Lakartidningen** 73(12):1088–90, 17 Mar 76 (Eng. Abstr.) **(Swe)**
[Traction treatment of the cervical spine] Porshage PG, et al. **Lakartidningen** 73(12):1091–2, 17 Mar 76 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Quadriplegia following cervical traction in patients with occult epidural prostatic metastasis. LaBan MM, et al. **Arch Phys Med Rehabil** 56(10):455–8, Oct 75
Perforation of the skull by a Gardner-Wells tong. Case report. Feldman RA, et al. **J Neurosurg** 44(1):119–20, Jan 76
Trauma or treatment? The role of intermittent traction in the treatment of cervical soft tissue injuries. Weinberger LM. **J Trauma** 16(5):377–82, May 76
Traumatic intracerebral haematoma: complication of skull caliper traction. Case report. Borovich B, et al. **Neurochirurgia (Stuttg)** 19(3):118–21, May 76
Complications of skull caliper traction. Graziuss G, et al. **Neurochirurgia (Stuttg)** 19(3):122–5, May 76
[Complications of compression-distraction method of the treatment of fractures of the limbs] Kaplan AV, et al. **Khirurgiia (Mosk)** (4):115–9, Apr 75 **(Rus)**

INSTRUMENTATION

Reduction of the fractured malar by a traction hook. Poswillo D. **Br J Oral Surg** 14(1):76–9, Jul 76
Traction appliance for third toe. Polokoff MM. **J Am Podiatry Assoc** 65(10):1011–2, Oct 75
Contracted fourth toe traction appliance. Polokoff MM. **J Am Podiatry Assoc** 65(11):1074–5, Nov 75
Double ring toe traction device. Polokoff MM. **J Am Podiatry Assoc** 66(1):35–7, Jan 76
Treatment of Jefferson fracture with a halo apparatus. Report of two cases. Zimmerman E, et al. **J Neurosurg** 44(3):372–5, Mar 76
Letter: Adjustable gravity traction board. Gray FJ. **Med J Aust** 1(21):806, 22 May 76
Letter: Adjustable gravity traction board. Hill M, et al. **Med J Aust** 1(6):172, 7 Feb 76
[Halo ring: its use in facial retentions with cranial support] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 77(1):205–6, Jan–Feb 76 **(Fre)**
[Treatment of acetabular fractures using Hoffmann's 'fixateur externe'] Copin G, et al. **Hefte Unfallheilkd** (124):92–3, 1975 **(Ger)**
[A fitting tool for the halo (author's transl)] Zielke K, et al. **Z Orthop** 113(6):1089, Dec 75 (Eng. Abstr.) **(Ger)**
[Use of distraction apparatus in the treatment of post-burn deformities of the lower limbe] Ivanova NP, et al. **Klin Khir** (2):49–52, 1975 **(Rus)**
[A cuff-longuet for traction] Chernov AP. **Ortop Travmatol Protez** (1):79–80, Jan 76 **(Rus)**
[Method of accelerated mounting of the compression-distraction appartus] Kalnberz VK. **Ortop Travmatol Protez** (10):74–5, Oct 75 **(Rus)**
[Method of fixation of fragments of the tubular bones] Skoblin AP, et al. **Ortop Travmatol Protez** (10):76, Oct 75 **(Rus)**
[Removable fixator of the pin and supporting platform for the G.A. Lizarov's compression-distraction apparatus] Ogienko VS. **Vestn Khir** 114(5):148, May 75 **(Rus)**
[Samples of traction harnesses for therapeutic spinal traction] Kunichev LA. **Voen Med Zh** (3):70–1, Mar 76 **(Rus)**

METHODS

Editorial: Help for the left ventricle. **Br Med J** 1(6000):2–3, 3 Jan 76
Good Samaritan cervical traction. Borden JN. **Clin Orthop** (113):162–3, Nov–Dec 75
Treatment of distal femoral fractures with early weight-bearing. A preliminary report. Borgen D, et al. **Clin Orthop** (111):156–62, Sep 75
A valgus angulation fracture of the proximal humeral epiphysis. Levin GD. **Clin Orthop** (116):155–7, May 76
Constant Good Samaritan cervical traction. Spadaro JA. **Clin Orthop** (118):267–8, Jul–Aug 76
Skeletal traction and cast fixation for fractures of the distal portion of the forearm. Botwin CA. **J Am Osteopath Assoc** 75(9):830–3, May 76
A case of backache on Polaris patrol. Pace T. **J R Nav Med Serv** 61(2):83–4, Summer 75
Cold pack sling for the upper extremity. Morris GA 3d. **South Med J** 69(7):962–3, Jul 76
[Treatment of comminuted fractures of the distal end of the radius by traction using transfixing Kirschner's wires and plaster cast] Cartier P, et al. **Rev Chir Orthop** 61(6):517–31, Sep 75 (Eng. Abstr.) **(Fre)**
[Orthopedic reduction of scoliosis by Maguelone's technic. Indications and first results] Vidal J, et al. **Rev Chir Orthop** 61(2):123–34, Mar 75 (Eng. Abstr.) **(Fre)**
[Immediate mechanotherapy of fractures of the condylar region] Cros P, et al. **Rev Stomatol Chir Maxillofac** 77(1):237–42, Jan–Feb 76 **(Fre)**
[Distraction method for the hip joint] Kaulig-Beyer W. **Beitr Orthop Traumatol** 22(5):281–3, May 75 **(Ger)**
[Biomechanical observations and clinical use of fixateur externe in acetabular fractures] Bonnel F. **Hefte Unfallheilkd** (124):50–3, 1975 **(Ger)**
[Dynamic halo-gravity traction in scoliosis (author's transl)] Brinckmann P, et al. **Z Orthop** 114(3):305–13, Jun 76 (Eng. Abstr.) **(Ger)**
[Skull traction] Tysvaer A. **Tidsskr Nor Laegeforen** 95(28):1586–7, 1603, 10 Oct 75 (Eng. Abstr.) **(Nor)**
[Radiographic study of the elongation of the cervical spine on traction] Taliberti R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):499–502, Nov–Dec 75 (Eng. Abstr.) **(Por)**
[A method of intermaxillary extension and joining of the jaw fragments by unified hooks] Shvyrkov MB, et al. **Stomatologiia (Mosk)** 54(4):98–9, Jul–Aug 75 **(Rus)**
[Auto-traction] Lind G. **Lakartidningen** 73(14):1315–6, 31 Mar 76 (Eng. Abstr.) **(Swe)**

TRADE UNIONS see **LABOR UNIONS**

TRADITIONAL BIRTH ATTENDANT see **MIDWIFERY**

TRAIL MAKING TEST see under **PSYCHOLOGICAL TESTS**

TRAINEESHIPS see under **TRAINING SUPPORT**

TRAINING SUPPORT

Editorial: The James Picker Foundation for radiologic research. Figley MM. **Am J Roentgenol** 126(2):439–40, Feb 76
Editorial: Funding of pulmonary training programs. Vall-Spinosa A, et al. **Am Rev Respir Dis** 113(2):107–8, Feb 76
Editorial: The alma mater is smoking—this is dangerous to your health! Payoff and payback. Freedman DX. **Arch Gen Psychiatry** 33(4):407–10, Apr 76
Editorial: Student loans. **Br Med J** 2(6032):388–9, 14 Aug 76
Letter: Training for overseas graduates. Illis LS. **Br Med J** 3(5984):647, 13 Sep 75
Career choices of Macy Foundation fellows in the history of medicine and the biological sciences. Bowers JZ, et al. **Bull Hist Med** 49(2):279–83, Summer 75
Training programs of the National Cancer Institute. Edwards MH. **Cancer Res** 35(10):2891–4, Oct 75
Physician location choice and state policy: a case study. Dei Rossi JA. **Inquiry** 12(3):268–70, Sep 75
Letter: Student payback—loan? **J Am Dent Assoc** 91(6):1140–1, Dec 75
Summary of grants and loans available to osteopathic medical students. **J Am Osteopath Assoc** 75(2):236–41, Oct 75
Prerequisites and requirements for earned fellowship in the American Academy of Osteopathy. Barnes MW. **J Am Osteopath Assoc** 75(1):121–2, Sep 75
The student loan funds. Thompson M. **J Am Osteopath Assoc** 75(2):242–3, Oct 75
Editorial: Federal intervention in universities. Abelson PH. **J Dent Educ** 40(2):71, Feb 76
Editorial: The student financial assistance dilemma. Bruce HW. **J Dent Educ** 39(10):643–4, Oct 75
IRS rules on medical group's educational benefit trust. Steinberg RS. **J Leg Med** 4(3):GP/IM/DO 20, Mar 76
University of Missouri-Columbia School of Medicine postsophomore pathology fellowship program. Longo DL, et al. **J Med Educ** 51(4):340–2, Apr 76
Effectiveness of an international health elective as measured by NBME Part II. Waddell WH, et al. **J Med Educ** 51(6):468–72, Jun 76
Loans for medical students: the issue of manageability. Weiler WC. **J Med Educ** 51(6):447–53, Jun 76
National Cancer Institute Training Programs. Edwards MH. **J Natl Cancer Inst** 55(4):1023–5, Oct 75
Residencies and fellowships in pediatric subspecialties and general academic pediatric training. **J Pediatr** 89(3):Suppl 90–126, Sep 76
The debt of medicine to George Eliot. Smith RE. **J R Coll Physicians Lond** 10(4):393–8, Jul 76
Manpower, medicine and money. Isaacman T. **Mod Health Care** 4(6):16n–16o, Dec 75
Editorial: The Robert Wood Johnson Clinical Scholars Program. Feinstein AR, et al. **N Engl J Med** 293(22):1149–50, 27 Nov 75
Clinical content of a nephrology fellowship. Friedman EA. **Proc Clin Dial Transplant Forum** 5:165–7, Nov 75
Academic content of a nephrology fellowship. Suki WN. **Proc Clin Dial Transplant Forum** 5:163–4, Nov 75
The WHO fellowships and training programme. Burton J. **WHO Chron** 29(9):350–3, Sep 75

TRAMADOL see under **CYCLOHEXANOLS**

TRANCOPAL see **CHLORMEZANONE**

TRANEXAMIC ACID see under **CYCLOHEXANECARBOXYLIC ACIDS**

TRANQUILIZING AGENTS

see related

HYPNOTICS AND SEDATIVES

Proceedings: VUFB-10032, a potential psychotropic drug from the group of noncataleptic neuroleptics. Dlabač A, et al. **Act Nerv Super (Praha)** 17(4):217, 1975

Is the use of hypnotics, sedatives and minor tranquilizers really a major health problem? Boethius G, et al. **Acta Med Scand** 199(6):507–12, 1976

The effect of 5-hydroxytrytamine synthesis inhibitors on neuroleptic-induced catalepsy in rats. Sarnek J, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):511–6, 1975

Neuroleptic piperazinyl-dibenzo-azepines. Chemistry and structure-activity relationships. Schmutz J. **Arzneim Forsch** 25(5):712–20, May 75

Moban: the first of a new class of neuroleptics. pp. 91–105. Ayd FJ Jr.
In: Ayd FJ JR, ed. Rational psychopharmacotherapy and the right to treatment. Baltimore, Ayd Medical Communications, 1975. QV 77 T244r 1974.

Neuroleptics: too many or too few? pp. 1–18. Klerman GL.
In: Ayd FJ JR, ed. Rational psychopharmacotherapy and the right to treatment. Baltimore, Ayd Medical Communications, 1975. QV 77 T244r 1974.

Prescribing psychotropic drugs for children. Bain DJ. **J R Coll Gen Pract** 25(150):49–53, Jan 75

The capture and translocation of gemsbok Oryx gazella gazella in the Nambi Desert with the aid of fentanyl, etorphine and tranquillizers. Ebedes H. **J S Afr Vet Assoc** 46(4):359–62, Dec 75

Derivatives of 3, 3-spirobi-5-methyltetrahydrofuranone-2 as potential neurotropic agents. Part I. Wagner E, et al. **Pol J Pharmacol Pharm** 28(2):213–6, 1976

Detection of the nueroleptic properties of clozapine, sulpiride and thioridazine. Costali B, et al. **Psychopharmacologia** 43(1):69–74, 23 Jul 75

[Comparison of the sedative action of premedication with biochemical indicators of its effect] Jiránková V, et al. **Rozhl Chir** 54(12):806–8, Dec 75 (Eng. Abstr.) **(Cze)**

[Primary management of labor using neuroleptic analgesia] Pontonnier G, et al. **Ann Anesthesiol Fr** 16 Spec No 1:81–96, 1975 (Eng. Abstr.) **(Fre)**

[Chlorprothixene for premedication in children: oral versus intramuscular route (author's transl)] Bauer-Miettinen U, et al. **Anaesthesist** 24(8):354–60, Aug 75 (Eng. Abstr.) **(Ger)**

[Spectral-analytical studies of the action of etifoxin on the human EEG] Bente D, et al. **Arzneim Forsch** 25(6):944–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Stereospecifity of the neuroleptic activity and chirality of (+)-3-(2-(4-(8-fluoro-2-methyl-10, 11-dihydrodibenzo(b, f)thiepin-10-yl)-1-piperazinyl)ethyl)-2-oxazolidinone (author's transl)] Aschwanden W, et al. **Helv Chim Acta** 59(4):1245–52, 1976 (Eng. Abstr.) **(Ger)**

[The tranquilizing properties of sodium hydroxybutyrate] Burov IuV, et al. **Biull Eksp Biol Med** 81(2):186–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Ataralgesia for oncologic surgery] Guliaev GV, et al. **Eksp Khir Anesteziol** (2):62–4, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Ataralgesia with general anesthesia without muscle relaxants] Meshcheriakov AV. **Eksp Khir Anesteziol** (5):55–8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Dosage of neuroleptic drugs for schizophrenic patients (analysis of hospital cases in the psychiatric hospital during 1969 to 1973). Topiař A, et al. **Act Nerv Super (Praha)** 17(3):203, SEP 75

The duration of maintenance therapy in chronic schizophrenia. Johnson DA. **Acta Psychiatr Scand** 53(4):298–301, Apr 76

Radio-recoverable tranquilizing dart. Weeks RW, et al. **Biomed Sci Instrum** 12:33–6, 3–5 May 76

Letter: Maintenance therapy in chronic schizophrenics. Gibson AC. **Br J Psychiatry** 129:94, Jul 76

Medical effects of abrupt neuroleptic withdrawal. Lacoursiere RB, et al. **Compr Psychiatry** 17(2):285–94, Mar-Apr 76

Comparative analysis of persistent dyskinesias of long-term usage with neuroleptics in France and in Japan. Ogita K, et al. **Folia Psychiatr Neurol Jpn** 29(4):315–20, 1975

Public interest report no. 19–the overuse of tranquilizers in older patients. Butler RN. **Int J Aging Hum Dev** 7(2):185–7, 1976

Editorial: Time to evaluate long-acting neuroleptics? Watt DC. **Psychol Med** 5(3):222–6, Aug 75

[Prolonged-action drugs in psychiatric therapeutics : gaps and needs] Ginestet D, et al. **Encephale** 1(2):161–4, 1975 (Eng. Abstr.) **(Fre)**

[Drug consumption as a reaction to noise] Meier HP, et al. **Soz Praeventivmed** 20(2):57–63, Mar-Apr 75 (Eng. Abstr.) **(Ger)**

[Neuroleptics in long-term treatment of schizophrenia] Osmenda W, et al. **Psychiatr Pol** 9(6):654–5, Nov-Dec 75 **(Pol)**

[Delayed-action neuroleptics (sustained-release neuroleptics). Indications, advantages and side effects] Predescu V, et al. **Rev Med Intern [Neurol Psihiatr]** 20(4):287–96, Oct-Dec 75 **(Rum)**

[Increasing the tolerance of animals to cystamine by combination with preparations from different pharmacotherapeutic groups] Krasil'nikov II. **Radiobiologiia** 16(1):150–3, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Proceedings: Chemical approach to the search for noncataleptic neuroleptics in the series of 10-piperazinodibenzo (b, f) thiepin derivatives. Jílek JO, et al. **Act Nerv Super (Praha)** 17(4):215, 1975

Clinical observations of the treatment of tardive dyskinesia with haloperidol. Frangos E, et al. **Acta Psychiatr Belg** 75(1):19–32, Jan 75

Baclofen (Lioresal) in the treatment ofneuroleptic-induced tardive dyskinesia. Korsgaard S. **Acta Psychiatr Scand** 54(1):17–24, Jul 76

Amantadine versus trihexyphenidyl in the treatment of neuroleptic-induced parkinsonism. Fann WE, et al. **Am J Psychiatry** 133(8):940–3, Aug 76

Pavor nocturnus: a complication of single daily tricyclic or neuroleptic dosage. Flemenbaum A. **Am J Psychiatry** 133(5):570–2, May 76

Computerized tomography in patients with tardive dyskinesia. Gelenberg AJ. **Am J Psychiatry** 133(5):578–9, May 76

Proceedings: A primate model of acute dystonic reaction to neuroleptics. Anlezark GM, et al. **Br J Pharmacol** 56(3):381P, Mar 76

Effect of acute and chronic neuroleptic therapy on serum prolactin levels in men and women of different age groups. Rivera JL, et al. **Clin Endocrinol (Oxf)** 5(3):273–82, May 76

Epidemiology of tardive dyskinesia. Part II. Jus A, et al. **Dis Nerv Syst** 37(5):257–61, May 76

Psychotic exacerbations produced by neuroleptics. Simpson GM, et al. **Dis Nerv Syst** 37(7):367–9, Jul 76

Open withdrawal of antiparkinson drugs in the neuroleptic-induced Parkinson syndrome. Fleischhauer J. **Int Pharmacopsychiatry** 10(4):222–9, 1975

Persistent dyskinesia after long-term treatment with neuroleptics in Japan: its present status and clinical problems. Yagi G, et al. **Keio J Med** 25(1):27–35, Jan 76

[Occurrence of extrapyramidal-pyramidal syndrome during treatment with psychopharmaceutics] Ivanović M, et al. **Neuropsihijatrija** 22(1–4):139–41, 1974 (Eng. Abstr.) **(Cro)**

[Adverse effects in the treatment with neuroleptics] Malá E. **Cesk Pediatr** 31(5):270–2, May 76 **(Cze)**

[Neurologic and psychic complications in treatment with neuroleptics] Gerlach J. **Ugeskr Laeger** 138(27):1650–3, 28 Jun 76 **(Dan)**

[Hematological complications caused by clozapine (Leponex)] Palva I. **Duodecim** 92(1):1–2, 1976 **(Fin)**

[Late complications in neuroleptic therapy] Viukari M. **Duodecim** 92(4):159–62, 1976 **(Fin)**

[Therapeutic and extrapyramidal effects of neuroleptics in man] pp. 441–8. Deniker P, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. **(Fre)**

[Letter: Malignant syndrome induced by neuroleptic with anuria and favorable course] Samii K, et al. **Nouv Presse Med** 5(24):1538, 12 Jun 76 **(Fre)**

[Effects of neuroleptic withdrawal on the drug-induced extrapyramidal syndrome of chronic schizophrenia] Elie R, et al. **Union Med Can** 104(6):909–14, Jun 75 (Eng. Abstr.) **(Fre)**

[Are anticholinergics indispensable in the long-term therapy of neuroleptic-induced Parkinson syndrome? A withdrawal study (author's transl)] Fleischhauer J. **Arzneim Forsch** 26(6):1183–4, 1976 (Eng. Abstr.) **(Ger)**

[Information of patients and regular blood picture control in administration tricyclic neuroleptics] **Blut** 31(4):247, Oct 75 **(Ger)**

[Teratogenic effect of tranquilizing agents] Neuhäuser G. **Hippokrates** 46(4):502–4, Nov 75 **(Ger)**

[Psychiatric pharmacotherapy in renal insufficiency] Bolm W. **Med Welt** 27(10):478–80, 5 Mar 76 **(Ger)**

[Cardiovascular effects of neuroleptic and antidepressive drugs. Preliminary communication] Mohamedi S, et al. **Med Welt** 27(4):168–71, 23 Jan 76 **(Ger)**

[The therapeutic risks in the long-term treatment with neuroleptic drugs and lithium. Clinical, histological and biochemical findings] Degkwitz R, et al. **Nervenarzt** 47(2):81–7, Feb 76 **(Ger)**

[Usefulness for differential diagnosis of the distribution of extrapyramidal symptoms resulting from neuroleptic therapy in psychiatric practice] Bódog G. **Psychiatr Neurol Med Psychol (Leipz)** 28(1):51–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Stereotyped behavior and late chronic dyskinesias: role of anticholinergic drugs] Casacchia M, et al. **Boll Soc Ital Biol Sper** 52(4):251–4, 28 Feb 76 **(Ita)**

[Therapeutic problems of the so-called impregnation syndrome due to neuroleptics] Casacchia M, et al. **Clin Ter** 75(6):645–8, 31 Dec 75 **(Ita)**

[Undesired and harmful interferences during the use of combinations of psychopharmacologic agents] Donatelli L. **Clin Ter** 72(1):3–41, 15 Jan 75 **(Ita)**

[Changes of thermoregulation in coma due to tranquilizing agents] Fagiano G, et al. **Minerva Anestesiol** 42(6):409–17, Jun 76 **(Ita)**

[Re-examination of long-term drug therapy in mental diseases with special reference to its non-reversible side effects] Kazamatsuri H. **Psychiatr Neurol Jpn** 76(10):663–7, 25 Oct 74 **(Jpn)**

[Pisa syndrome. Posture disorder in elderly patients as a side effect of treatment with neuroleptics] Reinertsen AM. **Tidsskr Nor Laegeforen** 95(22):1212–5, 10 Aug 75 (Eng. Abstr.) **(Nor)**

[Neuropathological changes in facio-lingual dyskinesia of probably drug-induced origin] Jemielity F, et al. **Neurol Neurochir Pol** 10(3):399–402, May-Jun 76 **(Pol)**

[Diagnostic difficulties in acute surgical abdominal conditions in patients treated with neuroleptics] Minta P, et al. **Pol Przegl Chir** 48(7):927–31, Jul 76 (Eng. Abstr.) **(Pol)**

[An adverse glycemic effect in patients as a result of treatment with neuroleptics] Tverdova EB. **Zh Nevropatol Psikhiatr** 76(3):450–2, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Natural tranquilliser in cephalopod eggs. Marthy HJ, et al. **Nature** 261(5560):496–7, 10 Jun 76

[Spectrophotometric determination of azabutyrone in biological material] Raevskiĭ KS, et al. **Farmatsiia** 25(1):77–8, Jan-Feb 76 **(Rus)**

ANTAGONISTS & INHIBITORS

Letter: Interaction between antiparkinsonian drugs and neuroleptics. Marriott PF. **Am J Psychiatry** 132(11):1224, Nov 75

Influence of WA-335, a factor which blocks serotonin receptors, on neuroleptic-induced catalepsy. Maj J, et al. **Arch Immunol Ther Exp (Warsz)** 24(2):197–203, 1976

CHEMICAL SYNTHESIS

The synthesis of 10-(4-methylpiperazino)dibenzo (b,f)thiepin and related compounds. Neurotropic and psychotropic agents. Ueda I, et al. **Chem Pharm Bull (Tokyo)** 23(10):2223–31, Oct 75

Synthesis and biological activity of new 2-substituted analogs of fluphenazine. Bossle PC, et al. **J Med Chem** 19(3):370–3, Mar 76

Synthesis and neuroleptic activity of isomeric thieno(1,4)benzothiazines. Grol CJ, et al. **J Med Chem** 18(8):857–61, Aug 75

[Research on substances with psychotropic activity. IV. Synthesis of 2,3-diphenyl-4-methyl-4H-1,4-benzothiazin-1,1-dioxide by thermal cyclization of N-(2-desylsolfonylphenyl) glycine] Filacchioni G, et al. **Farmaco [Sci]** 31(7):478–88, Jul 76 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

The Liege physiognomy of neuroleptics, with special reference to thioxanthenes. Bobon DP, et al. **Acta Psychiatr Belg** 74(5):535–44, Sep 74

The main clinical classifications of neuroleptics. Collard J. **Acta Psychiatr Belg** 74(5):447–61, Sep 74

Scandinavian standpoint on the Liege classification of neuroleptics. Kristjansen P. **Acta Psychiatr Belg** 74(5):462–9, Sep 74

Classification and discrimination for data analysis in pharmacology. Lewi PJ, et al. **Eur J Pharmacol** 35(2):403–7, Feb 76

HISTORY

Studies of new sympathomimetic beta-receptor stimulating drugs in asthmatic patients. III. A comparative trial of subcutaneous terbutaline and trimetoquinol. Da Costa JL, et al. **Singapore Med J** 16(2):143–6, Jun 75

[Czechoslovak Pharmacopsychiatry in the jubilean year 1975] Vencovský E. **Cesk Psychiatr** 71(2–3):81–3, Jun 75 **(Cze)**

METABOLISM

Interaction of some neuroleptic and antidepressive agents with human coeruloplasmin. Lovstad RA. **Biochem Pharmacol** 25(16):1877–9, 15 Aug 76

Antipsychotic drug doses and neuroleptic/dopamine receptors. Seeman P, et al. **Nature** 261(5562):717–9, 24 Jun 76

Brain receptors for antipsychotic drugs and dopamine: direct binding assays. Seeman P, et al. **Proc Natl Acad Sci USA** 72(11):4376–80, Nov 75

The comparative metabolism of zolazepam in rat, dog and monkey. Baukema J, et al. **Res Commun Chem Pathol Pharmacol** 10(2):227–38, Feb 75

PHARMACODYNAMICS

Proceedings: Stereospecificity of neuroleptic effects in the 10-piperazino-10, 11-dihydrodibenzo (b, f) thiepin series. Metyšová J, et al. **Act Nerv Super (Praha)** 17(4):218–9, 1975

Dynamics of the EEG changes after a single dose of octoclothepine oleosum, a neuroleptic in a semidepot form. Mišurec J, et al. **Act Nerv Super (Praha)** 17(3):205–6, SEP 75

Acute effects of oxazepam, diazepam and methylperone, alone and in combination with alcohol on sedation, coordination and mood. Molander L, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):145–60, Feb 76

The effects of neuroleptics and nialamide on defensive conditoned reflex in rats. Plech S, et al. **Acta Physiol Pol** 26(3):255–60, May–Jun 75

Biochemical vs clinical physiognomy of neuroleptics, with special reference to their antimanic effect. Dresse A. **Acta Psychiatr Belg** 74(5):485–7, Sep 74

Pharmacological vs. clinical physiognomy of neuroleptics, with special reference to their sedative and antipsychotic effects. Nielsen IM. **Acta Psychiatr Belg** 74(5):473–84, Sep 74

Study of development of tolerance to and barbiturate-like physical dependence on the tranquilizer tempidon. Nikolova M, et al. **Agressologie** 16 Spec No C:43–7, 1975

Pharmacological properties of new neuroleptic compounds. Coscia L, et al. **Arzneim Forsch** 25(9):1436–42, Sep 75

Clopimozide (R 29 764), a new highly potent and orally long-acting neuroleptic of the diphenylbutylpiperidine series. Janssen PA, et al. **Arzneim Forsch** 25(8):1287–94, Aug 75

Comparison of the inhibitory effects of neuroleptic drugs on adenylate cyclase in rat tissues stimulated by dopamine, noradrenaline and glucagon. Miller RJ. **Biochem Pharmacol** 25(5):537–41, 1 Mar 76

Proceedings:Pre- and postsynaptic actions of neuroleptic drugs. Iversen LL, et al. **Br J Pharmacol** 55(2):297P–298P, Oct 75

Dopamine metabolism in the mesolimbic and mesocortical dopaminergic systems after single or repeated administrations of neuroleptics. Scatton B, et al. **Brain Res** 109(1):184–9, 4 Jun 76

Action of neuroleptic agents on histamine-sensitive adenylate cyclase in rabbit cerebral cortex. Spiker MD, et al. **Brain Res** 104(2):401–6, 12 Mar 76

Neuroleptics and the corpus striatum: clinical implications. Stimmel GL. **Dis Nerv Syst** 37(4):219–24, Apr 76

Neuroleptic antagonism of dyskinetic phenomena. Costall B, et al. **Eur J Pharmacol** 33(2):301–12, Sep–Oct 75

Antagonism of the hyperactivity induced by dopamine applied intracerebrally to the nucleus accumbens septi by typical neuroleptics and by clozapine, sulpiride and thioridazine. Costall B, et al. **Eur J Pharmacol** 35(1):161–8, Jan 76

Dissociation of stereotyped biting responses and oro–bucco–lingual dyskinesias. Costall B, et al. **Eur J Pharmacol** 36(2):423–9, Apr 76

A noradren aline sensitive adenylate cyclase in the rat limbic forebrain: preparation, properties and the effects of agonists, adrenolytics and neuroleptic drugs. Horn AS, et al. **Eur J Pharmacol** 37(1):1–11, May 76

Inhibition and potentiation of apomorphine-induced hypermotility in rats by neuroleptics. Lassen JB. **Eur J Pharmacol** 36(2):385–93, Apr 76

The effect of tricyclic antidepressants and neuroleptics on the peripheral and central action of norepinephrine in reserpine-treated mice. Nakamura M, et al. **Eur J Pharmacol** 38(2):343–8, Aug 76

Effects of neuroleptic agents on cyclic GMP in rat cerebral cortex. Palmer GC, et al. **Eur J Pharmacol** 38(1):205–9, Jul 76

Action of neuroleptics on the nigro–neostriatal dopaminergic pathway. pp. 407–13. Andén NE, et al. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.** (51 ref.)

Relation of the effect of neuroleptics in animals to pharmacological parkinsonism and antipsychotic action in man. pp. 415–29. Papeschi R, et al. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.**

The effects of tranquillizing drugs on the metabolism of transmitter substances in the central nervous system. pp. 57–71. Fry JP, et al. **In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975.** (62 ref.)

Antipsychotic drugs and catecholamine synapses. pp. 57–64. Carlsson A. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.**

Brain dopamine and behaviour. A critical analysis of the relationship between dopamine antagonism and therapeutic efficacy of neuroleptic drugs. pp. 163–72. Crow TJ, et al. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.** (58 ref.)

Central catecholamine neurons, behavior and neuroleptic drugs: an analysis to understand the involvement of catecholamines in schizophrenia. pp. 151–61. Fuxe K, et al. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.** (46 ref.)

New developments in the study of the mechanism of action of neuroleptics and amphetamine. pp. 81–5. Glowinski J. **In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.**

Impulses from biochemistry in the development of new neuroleptics. pp. 40–9. Andén NE. **In: Van Praag HM, ed. On the origin of schizophrenic psychoses. Amsterdam, De Erven Bohn BV, 1975. WM 203 O58 1974–75.**

Pharmacological investigations of angelecin—a tranquillosedative and anticonvulsant agent. Chandhoke N, et al. **Indian J Med Res** 63(6):833–41, Jun 75

The effect of psychotropic drugs on learning ability. Photiades C, et al. **Int J Neurol** 10(1–4):282–7, 1975

Long-term effects of teflutixol on the synthesis and endogenous levels of mouse brain catecholamines. Hyttel J. **J Neurochem** 25(5):681–6, Nov 75

Changes in catecholamine concentrations and synthesis rate in mouse brain during the 'supersensitivity' phase after treatment with neuroleptic drugs. Hyttel J, et al. **J Neurochem** 27(1):313–5, Jul 76

Effects of chronic treatment with neuroleptics on striatal acetylcholine concentration. Sethy VH. **J Neurochem** 27(1):325–6, Jul 76

Inhibition of tyrosine hydroxylase but not dopamine-beta-hydroxylase facilitates the action of behaviourally ineffective doses of neuroleptics. Antelman SM, et al. **J Pharm Pharmacol** 28(1):66–8, Jan 76

Differential effect of neuroleptic drugs on dopamine turnover in the extrapyramidal and limbic system. Bartholini G. **J Pharm Pharmacol** 28(5):429–33, May 76

Limiting factors in the antagonism of neuroleptics on dopamine-sensitive adenylate cyclase. Laduron P. **J Pharm Pharmacol** 28(3):250–1, Mar 76

Correlation between neuroleptic-induced suppression of stereotyped behaviour and HVA concentrations in rat brain. Rollema H, et al. **J Pharm Pharmacol** 28(4):321–3, Apr 76

Interrelationship between catecholamine-stimulated formation of adenosine 3',5'-monophosphate in cerebellar slices and inhibitory effects on cerebellar Purkinje cells: antagonism by neuroleptic compounds. Skolnick P, et al. **J Pharmacol Exp Ther** 197(2):280–92, May 76

Dopamine and schizophrenia. Crow TJ, et al. **Lancet** 2(7985):563–6, 11 Sep 76

Letter: Hyperthermia in rabbits caused by interaction between M.A.O.I.s, antiparkinson drugs, and neuroleptics. Pedersen V, et al. **Lancet** 2(7931):409–10, 30 Aug 75

Differential effects of neuroleptic and other psychotropic agents on acquisition of avoidance in rats. Davidson AB, et al. **Life Sci** 18(11):1279–84, 1 Jun 76

Evidence for an inhibitory gabergic control of the meso-limbic dopamine neurons: possibility of improving treatment of schizophrenia by combined treatment with neuroleptics and gabergic drugs. Fuxe K, et al. **Med Biol** 53(3):177–83, Jun 75

Editorial: 'Under the influence'. **Med J Aust** 1(8):215–6, 21 Feb 76

Neuroleptic agents of the benzocycloheptapyridoisoquinoline series. A hypothesis on their mode of interaction with the central dopamine receptor. Humber LG, et al. **Mol Pharmacol** 11(6):833–40, Nov 75

Comparison of the effects of neuroleptic drugs on pre- and postsynaptic dopaminergic mechanisms in the rat striatum. Iversen LL, et al. **Mol Pharmacol** 12(2):251–62, Mar 76

Pressure reversal of narocsis produced by anaesthetics, narcotics and tranquillisers. Halsey MJ, et al. **Nature** 257(5529):811–3, 30 Oct 75

Ontogenesis of neostriatal cholinergic neurones in the rat and development of their sensitivity to neuroleptic drugs. Guyenet PG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(2–3):329–34, 1975

Serotonergic involvement with neuroleptic catalepsy. Costall B, et al. **Neuropharmacology** 14(11):859–68, Nov 75

Effects of neuroleptics on striatal dopamine synthesized from 14C-tyrosine. Nyback H, et al. **Pharmacol Ther [B]** 2(1):49–63, 1976 (75 ref.)

Effects of chronic administration of neuroleptics: dyskinesias in monkeys. Paulson G. **Pharmacol Ther [B]** 2(1):167–71, 1976 (17 ref.)

The effect of neuroleptics on the development of gastric ulcers in rats exposed to restraint–cold stress. Hano J, et al. **Pol J Pharmacol Pharm** 28(1):37–47, Jan–Feb 76

Biochemistry and schizophrenia (part IV) the neuroleptics—their mechanism of action: a review of the biochemical literature. Wyatt RJ. **Psychopharmacol Bull** 12(3):5–50, Jul 76

Effects of molindone on central dopaminergic neuronal activity and metabolism: similarity to other neuroleptics. Bunney BS, et al. **Psychopharmacol Commun** 1(4):349–58, 1975

Decreased intracranial self-stimulation after neuroleptics or 6-hydroxydopamine: evidence for mediation by motor deficits rather than by reduced reward. Fibiger HC, et al. **Psychopharmacologia** 47(1):21–7, 5 May 76

Effects of thienodiazepine derivatives on human sleep as compared to those of benzodiazepine derivatives. Nakazawa Y, et al. **Psychopharmacologia** 44(2):165–71, 31 Oct 75

Inhibition of circling behavior by neuroleptic drugs in mice with unilateral 6-hydroxydopamine lesions of the striatum. Pycock C, et al. **Psychopharmacologia** 45(2):211–9, 31 Dec 75

Effects of neuroleptics on the nigroneostriatal and mesocortical dopaminergic systems. Glowinski J. **Res Publ Assoc Res Nerv Ment Dis** 54:233–46, 1975 (57 ref.)

[Farnesol and neuroleptics. I. Reinforcement by farnesol of the experimental cataleptigenic effect of neuroleptics] Binet P, et al. **Ann Pharm Fr** 33(5):229–34, May 75 **(Fre)**

[Farnesol and neuroleptics. II. Action of farnesol, alone or associated with a neuroleptic, on the stereotypies induced in the rat by amphetamine] Binet P, et al. **Ann Pharm Fr** 33(6–7):321–8, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Action of depressant drugs on tympanic reflexes (quantitative electrophysiologic study)] Paultre CZ, et al. **Ann Pharm Fr** 33(8–9):405–12, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Spontaneous electric activity in brain and behavior in scorpions. Pharmacological study] Goyffon M, et al. **C R Soc Biol (Paris)** 168(10–11–12):1239–44, 1974 (Eng. Abstr.) **(Fre)**

[Comparative study of the nonspecific pharmacodynamics of some neuroleptics and minor tranquilizers during long-term treatment on the reactivity of the genital tract] Simionescu S, et al. **Physiologie** 12(4):251–5, 1975 **(Fre)**

[Psychological-experimental study on the effects of tranquilizers (diazepam and a drug under investigation) considering personality variables (author's transl)] Boucsein W. **Arzneim Forsch** 26(6):1138–41, 1976 (Eng. Abstr.) **(Ger)**

[The influence of neuroleptic drugs on urinary excretion of non-protein nitrogen (author's transl)] Gründig E, et al. **Arzneim Forsch** 26(2):286–90, Feb 76 (Eng. Abstr.) **(Ger)**

[A method for studying pupilomotorics under the influence of neurolepic medication (author's transl)] Mattke DJ, et al. **Arzneim Forsch** 26(5):946–50, 1976 (Eng. Abstr.) **(Ger)**

[Receptor-blockade and receptor-hypersensitivity following neuroleptic treatment (author's transl)] Nielsen IM, et al. **Arzneim Forsch** 26(6):1090–2, 1976 (Eng. Abstr.) **(Ger)**

[Pharmacological profile of tranquilizers and broad-spectrum psychotropic drugs] Leutner V. **Med Welt** 26(25):1221–4, 20 Jun 75 **(Ger)**

[Parsalmide: a new anti-inflammatory agent. IV. Study on its sedative-tranquilizing and myorelaxant activity] Francia GC, et al. **Boll Chim Farm** 115(2):157–74, Feb 76 (Eng. Abstr.) **(Ita)**

[Effects of general anesthetics and neuroleptics on catecholamine metabolism in the brain] Goto F. **Jpn J Anesthesiol** 24(7):647–54, Jul 75 (Eng. Abstr.) **(Jpn)**

[Effect of neuroleptics on adrenaline and histamine skin reaction in simple schizophrenics] Jędrzejczak M. **Ann Acad Med Stetin** 21:357–89, 1975 (Eng. Abstr.) **(Pol)**

[Effect of neuroleptics on tyrosine hydroxylase from rat hypothalamus synaptosomes] Mineeva-Vialykh MF, et al. **Biull Eksp Biol Med** 81(4):434–6, 1976 (Eng. Abstr.) **(Rus)**

[Changes in ethanol consumption by white rats under the effect of neuroleptics and tranquilizers] Barkov NK, et al. **Farmakol Toksikol** 39(1):5–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Participation of brain cholinergic mechanisms in the action of neuroleptics] Gromov AI. **Farmakol Toksikol** 38(2):145–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of tranquilizers and analgesics on the permeability of the histohematic barriers for sulfacyl in inflammation] Ladinskaia MIu, et al. **Farmakol Toksikol** 38(5):551–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Psychopharmacological aspects of emotional stress] Val'dman AV. **Vestn Akad Med Nauk SSSR** (8):26–33, 1975 (Eng. Abstr.) **(Rus)**

[The character of the background spike activity of cortical neurons under the influence of psychotropic drugs] Nemtsov AV, et al. **Zh Vyssh Nerv Deiat** 25(5):1068–75, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

POISONING

[Developmental trends in exogenous intoxications] Glsel E. **Z Gesamte Inn Med** 30(11):401–2, 1 Jun 75 (Eng. Abstr.) **(Ger)**

[Warning about careless prescription of ataractics and hypnotics] **Lakartidningen** 73(17):1639, 21 Apr 76 **(Swe)**

STANDARDS

Proceedings: Tail rattling in aggressive mice as a measure of tranquillizing activity of drugs. Kršiak M. **Act Nerv Super (Praha)** 17(4):225–6, 1975

THERAPEUTIC USE

To the problem of temporary and paemanent effect of drug therapy, particularly in chronic schizophrenia. Molčan J, et al. **Act Nerv Super (Praha)** 17(3):203, SEP 75

Proceedings: The effectiveness of pharmacotherapy in epileptics hospitalised in the psychiatric hospital in Horní Beřkovice in the years 1972–1974. Smolíková J, et al. **Act Nerv Super (Praha)** 17(4):248–9, 1975

Letter: Reducing oral medication with dept fluphenazine. Marriott P. **Am J Psychiatry** 133(5):585–6, May 76

A placebo-controlled study of lithium combined with neuroleptics in chronic schizophrenic patients. Small JG, et al. **Am J Psychiatry** 132(12):1315–7, Dec 75

The effect of neuroleptics on serum prolactin in schizophrenic patients. Meltzer HY, et al. **Arch Gen Psychiatry** 33(3):279–86, Mar 76

The choice of neuroleptics in the treatment of schizophrenia: a critical review Tansella M, et al. **Arzneim Forsch** 26(5):943–5, 1976 (39 ref.)

Vitamins, neuroleptics, and antiparkinsonian drugs in catecholamine excretion. Yaryura-Tobias JA, et al. **Biol Psychiatry** 11(3):363-6, Jun 76

The expectation of outcome from maintenance therapy in chronic schizophrenic patients. Johnson DA. **Br J Psychiatry** 128:246-50, Mar 76

Responses of chronic schizophrenic females to a combination of diphenylhydantoin and neuroleptics: a double-blind study. Pinto A, et al. **Compr Psychiatry** 16(6):529-36, Nov-Dec 75

A clinical trial of a structurally unique neuroleptic (SU-23397). Angrist BM, et al. **Curr Ther Res** 18(2):359-63, Aug 75

Analgesic/calmative effects of acetaminophen and phenyltoloxamine in treatment of simple nervous tension accompanied by headache. Gilbert MM, et al. **Curr Ther Res** 20(1):53-8, Jul 76

Who should not be treated with neuroleptics, but often are. pp. 29-36. Klein DF.
In: Ayd FJ JR, ed. Rational psychopharmacotherapy and the right to treatment. Baltimore, Ayd Medical Communications, 1975. QV 77 T244r 1974.

The use of neuroleptic drugs in the treatment of nonpsychotic psychiatric patients. pp. 161-75. Winkelman NW Jr.
In: Ayd FJ JR, ed. Rational psychopharmacotherapy and the right to treatment. Baltimore, Ayd Medical Communications, 1975. QV 77 T244r 1974.

The use of tranquilizers in the treatment of mixed drug abuse. Kryspin-Exner K, et al. **Int J Clin Pharmacol Biopharm** 12(1-2):13-8, Jul 75

Clomacran in the treatment of schizophrenic patients: a comparison of two assessment methods. Pecknold JC, et al. **Int J Clin Pharmacol Biopharm** 11(4):299-303, Jun 75

Three long-acting neuroleptic drugs. Comparative study. de Francisco CP. **Int J Neurol** 10(1-4):41-5, 1975

Ripazepam (CI-683): double-blind comparison with placebo in anxious patients. Schneyer JJ. et al. **J Clin Pharmacol** 16(7):377-83, Jul 76

Metiapine: a double-blind comparison with chlorpromazine in acute schizophrenic patients. Steinbook RM, et al. **J Clin Pharmacol** 15(10):700-4, Oct 75

Practical clinical psychopharmacology: the tranquilizers. Snodgrass RE. **J Indiana State Med Assoc** 68(10):883-7, Oct 75

Letter: Tranquillizers in general practice. Marriott P. **Med J Aust** 1(20):765, 15 May 76

Editorial: Signing for time. **Nurs Times** 71(44):1719, 30 Oct 75

Proceedings: Clomacran in the treatment of schizophrenic patients--a comparison of two assessment methods. Galvan L, et al. **Psychopharmacol Bull** 12(1):30-1, Jan 76

Proceedings: Etafenoxin in the treatment of neurosis--an uncontrolled clinical study. Gratton L, et al. **Psychopharmacol Bull** 12(1):16-8, Jan 76

Lithium combined with neuroleptics in the treatment of chronic schizophrenia. Kellams JJ, et al. **Psychopharmacol Bull** 12(2):27-30, Apr 76

The effect of butaclamol and of other neuroleptic agents on the apomorphine-elicited inhibition of synaptosomal tyrosine hydroxylase activity. Bronaugh RL, et al. **Psychopharmacol Commun** 1(5):501-10, 1975

Influence of the drugs on the immuno-allergic reactivity. IV. The action of tranquillizers on passive anaphylaxis in guinea-pig. Cîrstea M, et al. **Rev Roum Morphol Physiol** 20(1):35-9, 1974

The pill that cheers but does not inebriate. Sachs SB. **S Afr Med J** 49(41):1681-2, 27 Sep 75

[Influence of chlorazepate dipotassium on psychomotor reactions] Patay M, et al. **Therapie** 30(5):679-84, Sep-Oct 75 (Eng. Abstr.)

[Results of clinical and experimental testing of Czechoslovak neuroleptics octoclothepin and oxyprothepin (author's transl)] Náhunek K, et al. **Cesk Psychiatr** 72(1):32-40, Feb 76 (Eng. Abstr.) **(Cze)**

[Practical experience with moditen therapy (author's transl)] Slavíková V, et al. **Cesk Psychiatr** 71(6):378-81, Dec 75 (Eng. Abstr.) **(Cze)**

[Clinical psychopharmacology in 1974. II. Depot-forms of psychopharmaceutic agents] Vinař O. **Cesk Psychiatr** 72(1):66-72, Feb 76 **(Cze)**

[Consumption of psychopharmaca, psychiatric and general morbidity. An island pharmacy's dispensing of psychopharmaca and fenamoles in proportion to general and psychiatric morbidity in the period 1951-1972] Kyneb P, et al. **Ugeskr Laeger** 137(45):2645-52, 3 Nov 75 (Eng. Abstr.) **(Dan)**

[A controlled double-blind crossover study of the efficacy of mepiprazol (EMD 16.923) and of diazepam in the treatment of neurotic disorders] De Buck R, et al. **Acta Psychiatr Belg** 75(3):320-33, May 75 (Eng. Abstr.) **(Fre)**

[Social aspects of the use of long-acting neuroleptics: apropos of an inquiry among French psychiatrists about the introduction of these drugs] pp. 91-5. Ropert R.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. **(Fre)**

[Value of 1694 for children with cerebral palsy of those presenting psychomotor development disorders] Kohler C, et al. **Rev Neuropsychiatr Infant** 24(1-2):57-60, Jan-Feb 76 (Eng. Abstr.) **(Fre)**

[Multidimensional diagnostics in pharmacopsychiatry/results of therapy with desmethyl-loxapine (author's transl)] Bergener M, et al. **Arzneim Forsch** 26(2):290-9, Feb 76 (Eng. Abstr.) **(Ger)**

[Attempt to produce neuroleptic therapeutic effect with EMD 16 139 in healthy subjects] pp. 171-5. Dietsch P, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. **(Ger)**

[Long-term neuroleptic treatment of schizophrenic men] pp. 257-63. Eckmann F.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. **(Ger)**

[Methodological aspects of the relevance of psychopharmacologic studies on healthy subjects for the purpose of pharmacotherapy] pp. 157-63. Janke W.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972. **(Ger)**

[Clinical studies with Glaziovin in the fields of internal medicine and neuropsychiatry] Höffkes H, et al. **Med Monatsschr** 29(7):321-5, Jul 75 **(Ger)**

[Theoretical principles of therapy using neuroleptic and antidepressive drugs] Matussek N. **Med Welt** 27(11):508-11, 12 Mar 76 **(Ger)**

[Prevention of relapse in the era of depot neuroleptics and social psychiatry] Schindler R. **Nervenarzt** 47(5):347-50, May 76 **(Ger)**

[Current status of neuroleptic long term treatment of schizophrenia] Woggon B, et al. **Nervenarzt** 46(11):611-6, Nov 75 (60 ref.) **(Ger)**

[Borderline between antiepileptic and psychopharmacological drugs (author's transl)] Groh C, et al. **Paediatr Paedol** 10(2):131-9, 1975 (Eng. Abstr.) **(Ger)**

[Usefulness for differential diagnosis of the distribution of extrapyramidal symptoms resulting from neuroleptic therapy in psychiatric practice] Bódog G.
Psychiatr Neurol Med Psychol (Leipz) 28(1):51-7, Jan 76 (Eng. Abstr.) **(Ger)**

[Depot neuroleptics - practical method of the longtime treatment and methodological problems of clinical trials (author's transl)] Woggon B. **Ther Umsch** 32(8):501-6, Aug 75 (Eng. Abstr.) **(Ger)**

[Problems of psychotropic drug therapy in internal medicine and general practice with special reference to tranquilizers] Linke H. **Z Allgemeinmed** 51(9):426-35, 27 Mar 75 **(Ger)**

[The use of Seduxen syrup in pedodontics] Rezsó B, et al. **Fogorv Sz** 69(4):109-12, Apr 76 **(Hun)**

[Clinical study on the use of glaziovine in the internal medicine] Melloni G, et al. **Clin Ter** 75(4):343-54, 30 Nov 75 **(Ita)**

[Editorial: Treatment of choriatic movements] Nyberg-Hansen R. **Tidsskr Nor Laegeforen** 95(33):1928-30, 30 Nov 75 **(Nor)**

[Experience with methylperon (Buronil) in 2 somatic nursing homes] Rohde K. **Tidsskr Nor Laegeforen** 95(23):1302-4, 20 Aug 75 (Eng. Abstr.) **(Nor)**

[Behavior of some serum enzyme activity in the course of treatment with neuroleptics and thymoleptics] Kiczak J, et al. **Psychiatr Pol** 10(2):153-7, Mar-Apr 76 (Eng. Abstr.) **(Pol)**

[Course and results of treatment with 3 activating neuroleptics] Welbel L, et al. **Psychiatr Pol** 9(6):613-20, Nov-Dec 75 (Eng. Abstr.) **(Pol)**

[Pain-alleviating action of fentanyl and pentazocine in combination with droperdol and carbidine] Novikova GV, et al. **Farmakol Toksikol** 38(5):547-51, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Changes in the glucocorticoid function of the adrenal cortex in patients with myocardial infarct treated with trioxazine and aminazine] Miloslavskiĭ IM, et al. **Kardiologiia** 15(8):77-83, Aug 75 (Eng. Abstr.) **(Rus)**

[Differential use of psychopharmacological drugs in patients with a history of myocardial infarct at a young age] Paramonova EG, et al. **Klin Med (Mosk)** 52(1):58-63, Jan 74 (Eng. Abstr.) **(Rus)**

[Differentiated use of neuroleptics in treatment of myocardial infarct] Zaitsev VP. **Klin Med (Mosk)** 53(7):61-5, Jul 75 **(Rus)**

[Effect of neuroleptic drugs on the blood level of potassium and sodium in children with severe forms of acute intestinal infectious diseases] Krasovitskiĭ ZI. **Pediatriia** (6):53-4, Jun 75 **(Rus)**

[Psychopharmacology in the clinical aspects of internal diseases] Vein AM, et al. **Ter Arkh** 47(5):107-13, 1975 (Eng. Abstr.) **(Rus)**

[Rational use of tranquilizers in myocardial infarct] Zaĭtsev VP. **Ter Arkh** 48(1):84-9, 1976 (Eng. Abstr.) **(Rus)**

[Neuroleptic agents in veterinary medicine] Cherviakov DK, et al. **Veterinariia** (7):99-100, Jul 76 **(Rus)**

[Stresnil in operations on swine] Kuznetsov GS, et al. **Veterinariia** (7):93-4, Jul 76 **(Rus)**

[Expediency of including ganglionic blockaders and neuroleptics in the complex treatment of vibration disease] Bel'skaia ML, et al. **Vrach Delo** (7):132-5, Jul 75 (Eng. Abstr.) **(Rus)**

[Psychopathology of schizophrenia in children and adolescents in relation to psychopharmacotherapy (author's transl)] Pogády J, et al. **Cesk Psychiatr** 71(6):353-9, Dec 75 (Eng. Abstr.) **(Slo)**

[Neuroleptics, schizophrenia and institutional therapy] Aldama de Llano JM. **Actas Luso Esp Neurol Psiquiatr** 3(3):181-8, May-Jun 75 (Eng. Abstr.) **(Spa)**

[Vestibular sedatives] López Menchén E.
An Otorrinolaringol Ibero Am 2(6):64-81, 1975 (Eng. Abstr.) **(Spa)**

[Psychopharmacological drugs and current general practice (author's transl)] De las Matas Dávila JS.
Folia Clin Int (Barc) 25(7-8):435-45, Jul-Aug 75 **(Spa)**

[Non-organic gall bladder disease: treatment with psychotropic drugs (author's transl)] de Marcos Pérez VM.
Folia Clin Int (Barc) 25(1):27-34, Jan 75 **(Spa)**

TOXICITY

[Toxic encephalopathy following drug abuse] Geréby G.
Orv Hetil 117(21):1269-73, 23 Mar 76 **(Hun)**

URINE

[Thin-layer chromatographic rapid test for important drugs and narcotics] Breitter J, et al. **Beitr Gerichtl Med** 32:187-9, 1974 (Eng. Abstr.) **(Ger)**

TRANQUILIZING AGENTS, MAJOR

Beta-blocking properties compared to other pharmacological and biochemical effects of 1, NO2-hydroxyphenyl, N-benzoyl-alanine (GAL-1). Galzigna L, et al. **Agressologie** 17(2):99-104, 1976

Clinical aspects of Tardive dyskinesia. pp. 47-55. Parkes JD.
In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975. (49 ref.)

[Substituted benzamides] Scotto JC. **Encephale** 1(3):223-5, 1975 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Maintenance antipsychotic therapy: is the cure worse than the disease? Gardos G, et al. **Am J Psychiatry** 133(1):32-6, Jan 76 (25 ref.)

Basic principles in the use of antipsychotic agents. Mason AS. **Curr Psychiatr Ther** 15:135-45, 1975

High-dosage and versatile drug therapy with treatment-resistant psychotic patients. Ketai R. **Hosp Community Psychiatry** 27(1):37-9, Jan 76

Dose equivalence of the antipsychotic drugs. pp. 65-9. Davis JM.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Letter: Dosage for antipsychotic drugs (concl.). **N Engl J Med** 295(3):173-4, 15 Jul 76

Letter: Dosage of antipsychotic drugs. Anderson WH, et al. **N Engl J Med** 294(12):670, 18 Mar 76

Letter: Grams of antipsychotics? Baldessarini RJ, et al. **N Engl J Med** 294(2):113-4, 8 Jan 76

Letter: Dosage of antipsychotic drugs. Ericksen SE, et al. **N Engl J Med** 294(23):1296-7, 3 Jun 76

[Correlation between plasma concentration and clinical effect of neuroleptics and antidepressants] Modestin J, et al. **Int J Clin Pharmacol Biopharm** 13(1):11-21, Jan 76 (41 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

A controlled trial of amantadine in drug-induced extrapyramidal disorders. DiMascio A, et al. **Arch Gen Psychiatry** 33(5):599-602, May 76

Epidemiology of tardive dyskinesia Part I. Pineau R, et al. **Dis Nerv Syst** 37(4):210-4, Apr 76

Psychotherapeutic drugs: how to minimise complications of therapy. Burrows GD. **Drugs** 11(3):209-20, 1976 (10 ref.)

Letter: Galactorrhea and antipsychotic agents. Ament A. **JAMA** 235(11):1107, 15 Mar 76

Letter: Galactorrhea and antipsychotic agents. Masco HL. **JAMA** 234(9):913, 1 Dec 75

[Re-examination of long-term drug therapy in mental diseases with special reference to its non-reversible side effects] Kazamatsuri H. **Psychiatr Neurol Jpn** 76(10):663-7, 25 Oct 74 **(Jpn)**

[Extrapyramidal movement disorders arising during treatment of psychoses with drugs] Vatsek Ia.
Zh Nevropatol Psikhiatr 76(3):453-7, 1976 (59 ref.) **(Rus)**

PHARMACODYNAMICS

Proceedings: Do anti-psychotic drugs act by dopamine receptor blockade in the nucleus accumbens. Crow TJ, et al. **Br J Pharmacol** 55(2):295P-296P, Oct 75

MJ 9022: correlation between neuroleptic potential and stereotypy. Sathananthan GL, et al. **Curr Ther Res** 18(5):701-5, Nov 75

The noradrenergic cyclic AMP generating system in the limbic forebrain: pharmacological characterization in vitro and possible role of limbic noradrenergic mechanisms in the mode of action of antipsychotics. Blumberg JB, et al. **Eur J Pharmacol** 37(2):357-66, Jun 76

Quantum chemical and theoretical techniques for the understanding of action of psychoactive drugs. pp. 31-42. Kaufman JJ.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

Antipsychotic drugs and catecholamine synapses. Summary of the session. pp. 97-106. Andén NE.
In: Matthysse SW, Kety SS, ed. Catecholamines and

schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Dopaminergic blocking effects of antipsychotic drugs. pp. 72–3. Bunney BS.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Serum prolactin levels in schizophrenia—effect of antipsychotic drugs: a preliminary report. pp. 177–91. Meltzer HY, et al.
In: Sachar EJ, ed. Hormones, behavior, and psychopathology. New York, Raven Press, 1976. WK 102 A512h 1975. (55 ref.)

Anticholinergic activity of antipsychotic drugs in relation to their extrapyramidal effects. Pearl J, et al.
J Pharm Pharmacol 28(4):302–4, Apr 76

Antagonism by d-amphetamine of learning deficits in rats induced by exposure to antipsychotic drugs during early postnatal life. Ahlenius S, et al.
Naunyn Schmiedebergs Arch Pharmacol 288(2–3):185–93, 1975

Action of opiates, antipsychotics, amphetamine and apomorphine on dopamine receptors in rat striatum: in vivo changes of 3',5'-cyclic AMP content and acetylcholine turnover rate. Carenzi A, et al. **Neuropharmacology** 14(12):927–39, Dec 75 (54 ref.)

How do antipsychotic drugs work? Iversen LL.
Neurosci Res Program Bull 13 Suppl:29–51, Aug 75

Inhibition of 4,alpha-dimethyl-m-tyramine (H 77/77)-induced hypermotility in rats by single and repeated administration of chloropromazine, haloperidol, clozapine and thioridazine. Buus Lassen J. **Psychopharmacologia** 43(1):25–9, 23 Jul 75

On the significance of the increase in homovanillic acid (HVA) caused by antipsychotic drugs in corpus striatum and limbic forebrain. Stawarz RJ, et al.
Psychopharmacologia 43(2):125–30, 21 Aug 75

Drug-induced handwriting changes: an empirical review. Gross LJ. **Tex Rep Biol Med** 33(3):370–90, 1975 (36 ref.)

[Proceedings: Dopamine receptor and antipsychotic effects (author's transl)] Karobath M. **Arzneim Forsch** 26(6):1029–30, 1976 **(Ger)**

[Effect of carbidine on conditioned defense reflexes] Barkov NK, et al. **Biull Eksp Biol Med** 79(4):61–4, Apr 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Overview: maintenance therapy in psychiatry: I. Schizophrenia. Davis JM. **Am J Psychiatry** 132(12):1237–45, Dec 75 (62 ref.)

Comparative doses and costs of antipsychotic medication. Davis JM. **Arch Gen Psychiatry** 33(7):858–61, Jul 76

Tranquilizers or anti-depressants for chronic schizophrenics: a long term study. Teja JS, et al.
Aust NZ J Psychiatry 9(4):241–7, Dec 75

Antipsychotic effects of AL 1965. Sathananthan G, et al. **Curr Ther Res** 19(5):516–9, May 76

Catecholamines and antipsychotic drugs in periodic catatonia. p. 71. Gjessing LR.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Mass fragmentometric determination of homovanillic acid in lumbar cerebrospinal fluid of schizophrenic patients during treatment with antipsychotic drugs. pp. 75–80. Sedvall G, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.

Pharmacotherapy in older depressed patients. Fann WE.
J Gerontol 31(3):304–10, May 76

Predicting individual responses to drug treatment in schizophrenia: a test dose model. May PR, et al.
J Nerv Ment Dis 162(3):177–83, Mar 76

The medical-pharmacological management of acute psychoses. Young LD. **J SC Med Assoc** 71(9):274–81, Sep 75

Guidelines for antipsychotic drug use. Prien RF, et al.
Med Times 104(5):87–103, May 76

Prolonged clinical and experimental follow-up of hospitalized schizophrenics. Flekkoy K, et al.
Neuropsychobiology 1(1):47–58, 1975

Proceedings: Butaclamol in the treatment of schizophrenia—a comparison of two treatment methods. Imaz F, et al.
Psychopharmacol Bull 12(1):31–4, Jan 76

Assessment of antipsychotic activity of an unique agent: SU-23397. Mielke EH, et al. **Psychopharmacol Commun** 1(2):117–22, 1975

Psychopharmacological treatment of schizophrenia.
Lehmann HE. **Schizophrenia Bull** (13):27–45, Summer 75 (55 ref.)

[Emergency chemotherapy in cases of extreme agitation] Coûteaux F, et al. **Rev Med Liege** 29(13):391–4, 1 Jul 74 **(Fre)**

[Rational utilization of the major tranquilizers] Lader MH. **Zh Nevropatol Psikhiatr** 75(9):1401–5, 1975 (Eng. Abstr.) **(Rus)**

TRANQUILIZING AGENTS, MINOR

[Letter: Anxiolytics and responsibility. Comments to a leader] Bang J. **Ugeskr Laeger** 138(9):571–2, 23 Feb 76 **(Dan)**

[Letter: Hypnotics, anxiolytics and sedatives—use and misuse] Nielsen A. **Ugeskr Laeger** 138(9):572–3, 23 Feb 76 **(Dan)**

[Editorial: Hypnotics, sedatives and anxiolytic agents—use and abuse] Rafaelsen OJ. **Ugeskr Laeger** 138(4):236, 19 Jan 76 **(Dan)**

ADMINISTRATION & DOSAGE

[The anxiolytic effect of small cumulative doses of oxypertin in rats during the anxiety test and their possible neurochemical correlates in the hypothalamus and striatum] Nitsch F, et al. **Nervenarzt** 47(1):40–5, Jan 76 **(Ger)**

ADVERSE EFFECTS

Teratogenicity of minor tranquilizers.
Behav Neuropsychiatry 7(1–12):4–5, Apr–Mar 75–76

[Letter: Anxiolytics—pro et contra] Milfeldt M.
Ugeskr Laeger 138(13):834, 22 Mar 76 **(Dan)**

PHARMACODYNAMICS

Pharmacological studies of some central effects of tempidon. Georgiev V, et al. **Acta Physiol Pharmacol Bulg** 2:76–81, 1974

Differential effects of neuroleptic and other psychotropic agents on acquisition of avoidance in rats. Davidson AB, et al. **Life Sci** 18(11):1279–84, 1 Jun 76

Effect of minor tranquillisers on hippocampal theta rhythm mimicked by depletion of forebrain noradrenaline. Gray JA, et al. **Nature** 258(5534):424–5, 4 Dec 75

The antinicotinic effects of drugs with clinically useful sedative-antianxiety properties. Aceto MD.
Pharmacology 13(5):458–64, 1975

The influence of drugs and alcohol upon human eye movement. Wilkinson IM. **Proc R Soc Med** 69(7):479–80, Jul 76

The effect of various doses of minor tranquilizers on plasma corticosteroids in stressed rats. Lahti RA, et al.
Res Commun Chem Pathol Pharmacol 11(4):595–603, Aug 75

[Comparative study of the nonspecific pharmacodynamics of some neuroleptics and minor tranquilizers during long-term treatment on the reactivity of the genital tract] Simionescu S, et al. **Physiologie** 12(4):251–5, 1975 **(Fre)**

[Effects of antianxiety drugs on the food intake in trained and untrained rats and mice (author's transl)] Soubrie P, et al. **Psychopharmacologia** 45(2):203–10, 31 Dec 75 (Eng. Abstr.) **(Fre)**

[Comparison of experimental-psychological and clinical findings on the effect of a test substance (author's transl)] Debus G, et al. **Arzneim Forsch** 26(6):1141–5, 1976 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Impact of psychosocial factors on the conduct of combined drug and psychotherapy research. Stone WN, et al.
Br J Psychiatry 127:432–9, Nov 75

Clinical response to a potential non-sedative anxiolytic. Collins P, et al. **Curr Ther Res** 19(5):512–5, May 76

A brief anxiety rating scale in evaluating anxiolytics. Wang RI, et al. **J Clin Pharmacol** 16(2–3):99–105, Feb–Mar 76

The rational use of anxiolytics. Bianchi GN. **NZ Med J** 83(563):303–8, 12 May 76

Anxiolytic drugs. Lader M. **Practitioner** 215(1288):468–73, Oct 75

Measurement of anxiety in outpatient trials: detection of bias in patient and doctor ratings. Fisher S.
Psychopharmacol Bull 12(2):17–8, Apr 76

[Study of an anxiolytic, clobazam, in otorhinolaryngology in psychosomatic pharyngeal manifestations] Freche C.
Sem Hop Ther 51(4):261–3, Apr 75 **(Fre)**

[Anxiolytic drugs (author's transl)] Lader M. **Ther Umsch** 32(8):478–85, Aug 75 (Eng. Abstr.) **(Fre)**

[Pilot study of SCH-12679 in profoundly mentally retarded patients with severe behavior disorders] Albert JM, et al.
Union Med Can 104(6):904–9, Jun 75 (Eng. Abstr.) **(Fre)**

[Pharmacotherapy of anxiety practice (author's transl)] Al-Shaltchi B, et al. **Ther Umsch** 32(8):486–96, Aug 75 (Eng. Abstr.) **(Ger)**

TRANSACTIONAL ANALYSIS see under **PSYCHOANALYTIC THERAPY**

TRANSALDOLASE see under **TRANSFERASES**

TRANSAMIDINASES see **AMIDINOTRANSFERASES**

TRANSAMINASES see **AMINOTRANSFERASES**

TRANSCOBALAMINS see under **BLOOD PROTEINS**

TRANSCORTIN

Studies of human transcortin at different pHs: circular dichroism, polymerisation and binding affinity. Le Gaillard F, et al. **FEBS Lett** 64(2):278–84, 1 May 76

[Disorders of glucocorticoid binding with transcortin in macrofocal myocardial infarct] Golikov AP, et al.
Klin Med (Mosk) 53(7):38–42, Jul 75 **(Rus)**

[Glucocorticoid function of the adrenal cortex and hydrocortisone binding with transcortin in ischemic heart disease] Petrova TR, et al. **Klin Med (Mosk)** 53(7):42–7, Jul 75 **(Rus)**

[Cortisol binding by plasma transcortin in patients with thyrotoxicosis] Kamenetskaia MSh. **Vrach Delo** (4):18–21, Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Effect of sample volume and column length on transcortin determination by sephadex G-25 gel filtration. Dubé JY, et al. **Can J Biochem** 53(10):1127–9, Oct 75

A filter assay for the corticosteroid binding globulin of human serum. Schiller HS, et al. **J Steroid Biochem** 7(1):55–9, Jan 76

[Characterization and physico-chemical properties of human transcortin] Le Gaillard F, et al. **Biochimie** 57(5):559–68, 1975 (Eng. Abstr.) **(Fre)**

[Determination of serum transcortin levels by electroimmunodiffusion (author's transl)] Racadot A, et al. **Clin Chim Acta** 66(2):171–80, 16 Jan 76 (Eng. Abstr.) **(Fre)**

[Determination of binding capacity of transcortin by radioisotope and fluorometric methods] Slavnov VN, et al. **Med Radiol (Mosk)** 20(10):50–2, Oct 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Biospecific chromatography as a highly effective method of purifying transcortin from human retroplacental plasma] Volchek AG, et al. **Biol Nauki** (6):134–41, 1976 **(Rus)**

METABOLISM

Adrenocorticosteroids and corticosteroid binding globulins in protein calorie malnutrition. Samuel AM, et al.
Am J Clin Nutr 29(8):889–94, Aug 76

A putative glucocorticoid receptor and a transcortin-like macromolecule in pituitary cytosol. De Kloet ER, et al.
Biochim Biophys Acta 421(1):115–23, 14 Jan 76

Binding of dexamethasone to canine corticosteroid-binding globulin. Gill GV, et al. **Clin Chim Acta** 63(2):231–3, 1 Sep 75

Interaction of purified human transcortin with spin labelled steroids. Basset M, et al. **FEBS Lett** 60(2):364–8, 15 Dec 75

Transport of steroid hormones. pp. 309–22. Vermeulen A.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974. (61 ref.)

Identification of corticosteroid-binding globulin in human milk: measurement with a filter disk assay. Rosner W, et al. **J Clin Endocrinol Metab** 42(6):1064–73, Jun 76

Placenta, transcortin, and localized immune response. Werthamer S, et al. **J Clin Invest** 57(4):1000–8, Apr 76

Cortisol-binding protein in the cytosol of rat carrageenin granuloma. Koshihara Y, et al. **Jpn J Pharmacol** 25(3):271–80, Jun 75

Identification of breast cancer transcortin and its inhibitory role in cell-mediated immunity. Amaral L, et al. **Nature** 262(5569):589–90, 12 Aug 76

A combined adsorption-gel filtration technique for the determination of the cortisol-binding capacity of transcortin. Schwartz U, et al.
Z Klin Chem Klin Biochem 13(7):291–7, Jul 75

[Mode of action of mineralocorticoides: their binding with transcortin and cytoselic renal receptors] Corvol P, et al.
J Urol Nephrol (Paris) 81(4–5):312–9, Apr–May 75 **(Fre)**

[Measure of the transcortin-binding capacity in the syndrome of male pseudohermaphroditism with testicular feminization] Tremblay RR, et al. **Union Med Can** 104(3):411–3, Mar 75 (Eng. Abstr.) **(Fre)**

[The effect of epiphysectomy on the concentration of aldosterone, corticosterone and transcortin in the peripheral blood] Golikov PP, et al.
Probl Endokrinol (Mosk) 21(5):100–5, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Changes in binding of corticosteroids by transcortin in blood and in oxidative processes in rabbit liver mitochondria under the effect of decimeter waves] Frenkel ID, et al.
Vopr Med Khim 21(6):596–600, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Transcortin binding capacity in the blood plasma of rats with a growing sarcoma 45] Krauialis KI, et al.
Vopr Onkol 22(4):75–8, 1976 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effects of CBG on the in vitro reduction of 3H-progesterone by liver homogenates and cell suspensions. Gromadzka J, et al. **Endokrinologie** 65(2):105–8, 1975 (Eng. Abstr.)

[Effect of cortisol and cortisol-transcortin complex on transcription in calf thymus chromatin] Savart M, et al.
C R Acad Sci [D] (Paris) 281(20):1517–20, 17 Nov 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[Study of the characteristics of transcortin and the progesterone binding protein of the plasma of pregnant guinea pig] Volchek AG, et al.
Probl Endokrinol (Mosk) 21(4):82–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Binding of corticosterone to transcortin of the serum of rats

at distant period following irradiation] Prokudina EA, et al. **Radiobiologiia** 15(4):614–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

TRANSCRIPTASE see **RNA POLYMERASE**

TRANSCRIPTION, GENETIC

The effect of unilateral nephrectomy on the activity of ribosomes in the remaining kidney. Kuliszewski M, et al. **Acta Biochim Pol** 23(1):27–36, 1976

Genome complexity and in vivo transcription in human leukemic leukocytes. Saunders GF, et al. **Acta Haematol (Basel)** 54(4):227–33, 1975

The need for transcription and translation for differentiation of bone marrow cells by thymic factors in man. Incefy GS, et al. **Adv Exp Med Biol** 66:41–50, 1976

Regulation of transcription in yeast. Saunders C, et al. **Adv Exp Med Biol** 62:21–34, 1975

Regulation of gene expression in prokaryotic organisms. Goldberger RF, et al. **Adv Genet** 18:1–67, 1976 (260 ref.)

Genetics of bacterial sporulation. Hoch JA. **Adv Genet** 18:69–98, 1976 (123 ref.)

A simplified procedure for the quantitative isolation of DNA and RNA transcripts synthesized in vitro. Modak MJ. **Anal Biochem** 75(1):340–4, Sep 76

Functional possibilities for aminoacylation of viral RNA in transcription and translation. Hall TC, et al. **Ann Microbiol (Paris)** 127A(1):143–52, Jan 76

Processing of RNA. Perry RP. **Annu Rev Biochem** 45:605–29, 1976 (216 ref.)

Steroid receptors: elements for modulation of eukaryotic transcription. Yamamoto KR, et al. **Annu Rev Biochem** 45:721–46, 1976 (206 ref.)

Genetic control of development of the cellular slime mold, Dictyostelium discoideum. Jacobson A, et al. **Annu Rev Genet** 9:145–85, 1975 (294 ref.)

Transcription in vitro of Ehrlich ascites tumor DNA and chromatin by purified homologous RNA polymerase II (or B). Chan JY, et al. **Arch Biochem Biophys** 173(2):564–76, Apr 76

Polyamine metabolism, RNA synthesis, and proliferation in density-inhibited 3T3 cells. Clark JL, et al. **Arch Biochem Biophys** 172(2):551–7, Feb 76

The heavy DNA satellite of yeast and its relationship to the ribosomal RNA genes. Lusby EW Jr, et al. **Arch Biochem Biophys** 174(1):187–91, May 76

Proceedings: Controlled transcription of the synthetic gene for tyrosine transfer RNA. Contreras R, et al. **Arch Int Physiol Biochim** 84(1):145–7, Feb 76

Proceedings: Repression in vitro of arginine genes transcription in Escherichia coli. Cunin R, et al. **Arch Int Physiol Biochim** 84(1):147–8, Feb 76

A possible experimental model to test the hypothesis of the integration of V- and C- genes in the synthesis of an immunoglobulin chain. Querinjean P. **Arch Int Physiol Biochim** 83(5):988–9, Dec 75

Proceedings: Transcriptional capacity of isolated nuclei from cryptobiotic embryos and nauplii of Artemia salina. Swennen L, et al. **Arch Int Physiol Biochim** 84(1):185–6, Feb 76

A reinvestigation of the sites of transcription and translation of Euglena chloroplastic phenylalanyl-tRNA synthetase. Lesiewicz JL, et al. **Arch Microbiol** 105(2):117–21, 27 Oct 75

Transcription of the Rous sarcoma virus genome in vitro and in vivo. Bishop JM, et al. **Bibl Haematol** (40):517–23, 1975

Induction of globin mRNA in Friend leukemia virus-infected cells and its presence in viral 60S RNA. Ross J, et al. **Bibl Haematol** (40):205–20, 1975

Posttranscriptional effect of dexamethasone and interferon on the viral replication induced by iododeoxyuridine from murine transformed by nonproducer fibroblasts. Wu AM, et al. **Bibl Haematol** (43):475–80, Oct 75

Synthesis of messenger RNA coding for elongation factors G and Ts during nutritional shift-up in Escherichia coli K-12. Barnsley PG, et al. **Biochem Biophys Res Commun** 71(3):817–25, 9 Aug 76

Specificity of RNA chain initiation by bacteriophage T7-induced RNA polymerase. Bishayee S, et al. **Biochem Biophys Res Commun** 68(2):626–33, 26 Jan 76

Synthesis of poly(A) containing RNA in isolated mitochondria from rat liver. Cantatore P, et al. **Biochem Biophys Res Commun** 70(2):431–7, 17 May 76

Erythropoietin action in rat marrow cell cultures in complete absence of dna synthesis. II. Long term effects on macromolecular synthesis. Datta MC, et al. **Biochem Biophys Res Commun** 69(2):489–98, 22 Mar 76

The 5' sequence of VSV viral RNA and its in vitro transcription product RNA. Hefti E, et al. **Biochem Biophys Res Commun** 66(2):785–92, 16 Sep 75

The 5' sequences of VSV in vitro transcription product RNA (+/-SAM). Hefti E, et al. **Biochem Biophys Res Commun** 68(2):393–400, 26 Jan 76

Distribution of thyroid and glucocorticoid hormone receptors in transcriptionally active and inactive chromatin. Levy B, et al. **Biochem Biophys Res Commun** 68(4):1045–51, 23 Feb 76

Initiation of transcription is temperature-dependent in an E. coli mutant with ts adenylate kinase. Luria SE, et al. **Biochem Biophys Res Commun** 67(1):353–8, 3 Nov 75

Coordinate regulation of the individual ribosomal RNA operons in Escherichia coli. Morgan EA, et al. **Biochem Biophys Res Commun** 68(3):969–74, 9 Feb 76

Coding capacity of the transcript products synthesized in vitro by the RNA polymerases from Bacillus thuringiensis. Rain-Guion MC, et al. **Biochem Biophys Res Commun** 70(3):709–16, 7 Jun 76

Preparation and characterization of myosin copy DNA. Robbins J, et al. **Biochem Biophys Res Commun** 68(3):918–26, 9 Feb 76

Partial sequence of the precursors of immunoglobulin light-chains of different subgroups: evidence that the immunoglobulin variable-region gene is larger than hitherto known. Schechter I, et al. **Biochem Biophys Res Commun** 68(2):489–96, 26 Jan 76

Synthesis of RNA complementary of rabbit globin mRNA by Qbeta replicase. Vournakis JN, et al. **Biochem Biophys Res Commun** 70(3):774–82, 7 Jun 76

Gene activities for ribosomal components in Escherichia coli B/r. Bremer H, et al. **Biochem J** 150(3):469–75, Sep 75

Role of oxygen on growth rate and gene activity in cultured chick-embryo heart cells. Clo' C, et al. **Biochem J** 154(1):253–6, 15 Jan 76

Induced transcription-dependent synthesis of mitochondrial reduced nicotinamide-adenine dinucleotide dehydrogenase in Drosophila. Koninkx JF. **Biochem J** 152(1):17–22, Oct 75

Possibilities for intracellular integration: The ribonucleic acid polymerases of chloroplasts and nuclei, and genes specifying chloroplast ribosomal proteins. Bogorad L, et al. **Biochem Soc Symp** (38):17–41, 1973

Early synthesis of nucleic acids in germinating wheat embryos. Chen D. **Biochem Soc Symp** (38):1–15, 1973

A survey of cytokinins and cytokinin antagonists with reference to nucleic acid and protein metabolism. Skoog F. **Biochem Soc Symp** (38):195–215, 1973 (80 ref.)

Transcription of isolated mouse liver chromatin. Bacheler LT, et al. **Biochemistry** 15(15):3281–90, 27 Jul 76

Changes in the expression of the chloroplast genome of Euglena gracilis during chloroplast development. Chelm BK, et al. **Biochemistry** 15(3):593–9, 10 Feb 76

Control of ribonucleic acid synthesis in eukaryotes. 2. The effect of protein synthesis on the activities of nuclear and total DNA-dependent RNA polymerase in yeast. Gross KJ, et al. **Biochemistry** 15(10):2070–2081, 18 May 76

Quantitation of constant and variable region genes for mouse immunoglobulin lambda chains. Honjo T, et al. **Biochemistry** 15(13):2780–5, 29 Jun 76

Activation of in vitro histone gene transcription from Hela S3 chromatin by S-phase nonhistone chromosomal proteins. Park WD, et al. **Biochemistry** 15(15):3296–30, 27 Jul 76

A measurement of the fraction of chloroplast DNA transcribed during chloroplast development in Euglena gracilis. Rawson JR, et al. **Biochemistry** 15(3):588–92, 10 Feb 76

Effect of histones and nonhistone chromosomal proteins on the transcription of histone genes from HeLaS3 cell DNA. Stein JL, et al. **Biochemistry** 15(15):3291–5, 27 Jul 76

Lesions in post-ribosomal supernatant fractions associated with loss of viability in pea (Pisum arvense) seed. Bray CM, et al. **Biochim Biophys Acta** 442(1):1–13, 2 Aug 76

Ribosomal cistrons in higher plant cells. I. A definitive scheme for the maturation pathway of the primary transcriptional product of ribosomal cistrons in Acer pseudoplatanus L. cells. Cecchini JP, et al. **Biochim Biophys Acta** 418(1):104–16, 5 Jan 76

The divergence between human and baboon globin genes. Dalgleishi R, et al. **Biochim Biophys Acta** 435(1):76–81, 2 Jun 76

Repetitive DNA transcripts in frog embryo cytoplasm. Dobner P, et al. **Biochim Biophys Acta** 432(3):401–3, 19 May 76

High molecular weight UMP-rich RNA of germinating wheat embryo. Dobrzanska M, et al. **Biochim Biophys Acta** 432(1):73–9, 15 Apr 76

Temperature and salt effects on the formation of preinitiation complexes between RNA polymerase and phage DNA. Escarmis C, et al. **Biochim Biophys Acta** 402(2):261–9, 21 Aug 75

Evidence for the presence in calf thymus of a peptidic factor controlling DNA transcription in vitro. Gianfranceschi GL, et al. **Biochim Biophys Acta** 414(1):9–19, 18 Nov 75

Analysis of plant RNA polymerase I transcript in chromatin and nuclei. Gurley WB, et al. **Biochim Biophys Acta** 425(2):168–74, 4 Mar 76

Biosynthesis of mammalian transfer RNA. Evidence for regulation by deacylated transfer RNA. Hamilton TA, et al. **Biochim Biophys Acta** 435(4):362–75, 16 Jul 76

Dual transcription of the tryptophan operon translocated into the early region of gamma. Ihara S, et al. **Biochim Biophys Acta** 432(2):199–211, 3 May 76

Purification of sea urchin ribosomal RNA genes with a single-strand specific nuclease. Joseph DR, et al. **Biochim Biophys Acta** 418(2):167–74, 19 Jan 76

Relation of cell type and cell density to the degree of post-transcriptional modification of tRNALys and tRNAPhe. Katze JR. **Biochim Biophys Acta** 407(4):392–8, 4 Nov 75

The 5' ends of bacterial RNA. II. The triphosphate-terminated ends of primary gene transcripts. Konrad M, et al. **Biochim Biophys Acta** 425(1):63–75, 18 Feb 76

Isolation and properties of the transcription complex of Escherichia coli RNA polymerase. Naito S, et al. **Biochim Biophys Acta** 402(1):88–104, 6 Aug 75

Uterine chromatin template activity during the early stages of pregnancy in the rat. O'Grady JE, et al. **Biochim Biophys Acta** 407(2):125–32, 1 Oct 75

Regulation of nitrate reductase at the transcriptional and translational levels in Escherichia coli. Ruiz-Herrera J, et al. **Biochim Biophys Acta** 425(4):492–501, 2 Apr 76

Interspersion and transcription of repeated sequences of rat DNA. Szala S, et al. **Biochim Biophys Acta** 432(2):129–44, 3 May 76

Synthesis and translation site of light-induced mRNAs in etiolated Euglena gracilis. Verdier G. **Biochim Biophys Acta** 407(1):91–8, 12 Sep 75

Some unsolved general problems of phage lambda development. Echols H. **Biochimie** 56(11–12):1491–6, 1974 (38 ref.)

A computer simulation model for analysis of conformation of nuclear chromatin and of the transcription process. Bellmann K, et al. **Biosystems** 7(1):196–205, Jul 75

Positive and negative control of transcription in bacteriophage lambda. Davison J. **Br Med Bull** 29(3):208–13, Sep 73

Control of transcription in bacteria. Scaife JG. **Br Med Bull** 29(3):214–9, Sep 73

Bacteriophage T4 tRNAs: structure, genetics, and biosynthesis. Abelson J, et al. **Brookhaven Symp Biol** (26):77–88, Jul 75

Processing of E. coli tRNA Tyr precursor RNA in vitro. Altman S, et al. **Brookhaven Symp Biol** (26):12–25, Jul 75

Processing of tRNA precursors in higher organisms. Burdon RH. **Brookhaven Symp Biol** (26):138–53, Jul 75

Clustered tRNA genes in Escherichia coli: transcription and processing. Carbon J, et al. **Brookhaven Symp Biol** (26):26–36, Jul 75

Post-transcriptional modification of nucleotides in E. coli ribosomal RNAs. Dahlberg JE, et al. **Brookhaven Symp Biol** (26):194–200, Jul 75

Processing transcription, and translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **Brookhaven Symp Biol** (26):267–76, Jul 75

Mapping of viral-specific RNA in the cytoplasm and nucleus of adenovirus 2-infected human cells. Flint SJ, et al. **Brookhaven Symp Biol** (26):333–58, Jul 75

tRNA gene clusters in Escherichia coli DNA. Fournier MJ, et al. **Brookhaven Symp Biol** (26):37–43, Jul 75

The synthesis of messenger RNA in the cellular slime mold Dictyosteilum discoideum. Jacobson A, et al. **Brookhaven Symp Biol** (26):307–19, Jul 75

Inhibition of post-transcriptional modification of E. coli tRNA. Kitchingman GR, et al. **Brookhaven Symp Biol** (26):44–52, Jul 75

Primary processing of high molecular weight preribosomal RNA in Escherichia coli and HeLa cells. Nikolaev N, et al. **Brookhaven Symp Biol** (26):175–93, Jul 75

In vitro maturation of precursors of 5 S ribosomal RNA from Bacillus subtilis. Pace NR, et al. **Brookhaven Symp Biol** (26):224–39, Jul 75

RNA processing and the control of gene expression. Robertson HD, et al. **Brookhaven Symp Biol** (26):240–66, Jul 75 (136 ref.)

Processing of E. coli tRNA precursors. Schedl P, et al. **Brookhaven Symp Biol** (26):53–76, Jul 75

Biosynthesis of tRNA in the posterior silk gland of Bombyx mori. Siddiqui MA, et al. **Brookhaven Symp Biol** (26):154–64, Jul 75

Mutants which allows accumulation of tRNATyr precursor molecules. Smith JD. **Brookhaven Symp Biol** (26):1–11, Jul 75

Enzymological aspects of processing of mammalian rRNA. Winicov I, et al. **Brookhaven Symp Biol** (26):201–13, Jul 75

Relationship between ppGpp levels and rates of protein and RNA synthesis in Escherichia coli. Chaloner-Larsson G, et al. **Can J Biochem** 54(3):291–5, Mar 76

Wheat embryo ribonucleates. VI. Comparison of the 3'-hydroxyl termini in 'rapidly labelled' RNA from metabolizing wheat embryos with the corresponding termini in ribosomal RNA from differentiating embryos of wheat, barley, corn and pea. Oakden KM, et al. **Can J Biochem** 54(3):261–71, Mar 76

Differences in transcription between transformed mouse cells in culture and the tumors that they produce in syngeneic mice. Grady LJ. **Cancer Res** 36(10):3639–41, Oct 76

Binding of polycyclic aromatic hydrocarbons to transcriptionally active nuclear subfractions of AKR mouse embryo cells. Moses HL, et al. **Cancer Res** 36(8):2905–10, Aug 76

Separation and characterization of transcriptionally active and inactive nuclear subfractions of AKR mouse embryo cells. Webster RA, et al. **Cancer Res** 36(8):2896–904, Aug 76

Transcription during productive infection with polyoma virus and Simian virus 40. Acheson NH. **Cell** 8(1):1–12, May 76

The virus-specified subunits of a modified B. subtilis RNA polymerase are determinants of DNA binding and RNA chain initiation. Duffy JJ, et al. **Cell** 8(4):595–604, Aug 76

Quantitation of turnover and export to the cytoplasm of hnRNA transcribed in the Balbiani rings. Egyházi E. **Cell** 7(4):507–15, Apr 76

Molecular biology of animal viruses. Flint J. **Cell** 8(1):151–62, May 76

Preferential synthesis of viral late RNA by nuclei isolated from SV40 lytically infected cells. Gilboa E, et al. **Cell** 7(4):567–73, Apr 76

Molecular analysis of the histone gene cluster of Psammechinus miliaris: III. Polarity and asymmetry of the histone-coding sequences. Gross K, et al. **Cell** 8(4):479–84, Aug 76

Amino acid starvation affects the initiation frequency of nucleolar RNA polymerase. Grummt I, et al. **Cell** 7(3):439–45, Mar 76

Control of nucleolar RNA synthesis by the intracellular pool sizes of ATP and GTP. Grummt I, et al. **Cell** 7(3):447–53, Mar 76

Reovirus mRNA: transcription and translation. Shatkin AJ, et al. **Cell** 7(3):305–13, Mar 76

Multiple modes of ribosomal RNA transcription in vitro. Travers A. **Cell** 8(4):605–9, Aug 76

Low molecular weight viral RNAs transcribed by RNA polymerase III during adenovirus 2 infection. Weinmann R, et al. **Cell** 7(4):557–66, Apr 76

Template restriction in human chromatin. Crain WR Jr, et al. **Cell Differ** 4(6):399–414, Mar 76

Visualization of gene transcription in spermatocytes of Drosophila hydei. Glätzer KH. **Chromosoma** 53(4):371–9, 29 Dec 75

Identification of the lampbrush chromosome loops which transcribe 5S ribosomal RNA in Notophthalmus (Triturus) viridescens. Pukkila PJ. **Chromosoma** 53(1):71–89, 20 Nov 75

Biogenesis and characterization of SV40 and polyoma RNAs in productively infected cells. Aloni Y.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:165–78, 1975

Cytosine arabinoside- and interferon-mediated control of polyoma and SV40 genome expression. Brandner G, et al.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:305–8, 1975

RNA transcription in cultures productively infected with adenovirus 2. Craig EA, et al.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:483–93, 1975

Virus-specific RNA in cells productively infected or transformed by polyoma virus. Kamen R, et al.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:187–98, 1975

AMV RNA transcription in cell-free systems and properties of in vitro chromatin-directed RNA synthesis. Monroy G, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1033–41, 1975

RNA synthesis and processing in adenovirus-infected cells. Philipson L, et al.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:447–56, 1975

In vitro transcription of adenovirus 2 DNA by E. coli RNA polymerase. Surzycki S, et al.
Cold Spring Harbor Symp Quant Biol 39 PT. 1:501–4, 1975

The transcriptional role of host DNA-dependent RNA polymerases in adenovirus-infected KB cells. Weinmann R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:495–9, 1975

Changing populations of reiterated DNA transcripts during early echinoderm development. Whiteley HR, et al.
Curr Top Dev Biol 9:39–88, 1975 (180 ref.)

Localization of 'transcriptively active' cells during odontogenesis using acridine orange ultrastructural cytochemistry. Lehmann R, et al. **Dev Biol** 49(2):438–56, Apr 76

Non-histone chromosomal proteins. Their isolation and role in determining specificity of transcription in vitro. Blüthmann H, et al. **Eur J Biochem** 58(2):315–26, 15 Oct 75

Transcription from complementary deoxyribonucleic acid strands in various sporogenic and asporogenic mutants of Bacillus subtilis. Hybridization-competition studies on ribonucleic acid synthesized in vivo by a thermosensitive sporulation mutant (ts-4). Bonamy C, et al.
Eur J Biochem 63(1):53–63, 16 Mar 76

Subunit composition of Escherichia coli RNA polymerase during transcription in vitro. Bordier C, et al.
Eur J Biochem 65(1):147–53, 17 May 76

Transcription of DNAs of known sequence after injection into eggs and oocytes of Xenopus laevis. Colman A.
Eur J Biochem 57(1):85–96, 1 Sep 75

Interaction of RNA polymerase from Escherichia coli with DNA. Effect of temperature and ionic strength on selection of T7 DNA early promoters. Dausse JP, et al.
Eur J Biochem 65(2):387–93, 1 Jun 76

Synthesis of ribosomal RNA during the mitotic cycle on the slime mould Physarum polycephalum. Hall L, et al.
Eur J Biochem 62(3):471–7, 1 Mar 76

Initiation of transcription within an RNA-polymerase binding site. Heyden B, et al. **Eur J Biochem** 55(1):147–55, 16 Jun 75

Histone-gene reiteration in the genome of mouse. Jacob E.
Eur J Biochem 65(1):275–84, 17 May 76

Lipophilic proteins encoded by mitochondrial and nuclear genes in Neurospora crassa. Küntzel H, et al.
Eur J Biochem 54(2):567–75, Jun 75

DNA-dependent RNA polymerase C from Xenopus laevis ovaries. Ability to transcribe intact double-stranded DNA. Long E, et al. **Eur J Biochem** 66(2):269–75, 1 JUL 76

Tertiary structure and function of closed-circular mitochondrial DNA and its transcription in vivo. Rastogi AK, et al. **Eur J Biochem** 57(1):257–63, 1 Sep 75

Influence of DNA acidification on DNA premelting and template properties. Sarocchi MT, et al. **Eur J Biochem** 65(2):587–99, 1 Jun 76

Transcription of the genome of adenovirus type 12. Viral mRNA in productively infected KB cells. Scheidtmann KH, et al. **Eur J Biochem** 58(2):283–90, 15 Oct 75

Phytochrome-mediated assembly of polyribosomes in etiolated bean leaves. Evidence for post-transcriptional regulation of development. Smith H. **Eur J Biochem** 65(1):161–70, 17 May 76

Studies on the structure and function of chick-oviduct chromatin. 2. Biochemical characterization of two chromatin fractions isolated by ECTHAM-cellulose chromatography. Strätling WH, et al. **Eur J Biochem** 66(3):435–41, 15 Jul 76

Studies on the amount and location of the tRNA and 5-S rRNA genes in Tetrahymena pyriformis GL. Tonnesen T, et al. **Eur J Biochem** 63(2):399–407, 1 Apr 76

Transcription of specific genes in isolated nuclei from HeLa cells in vitro. Udvardy A, et al. **Eur J Biochem** 62(2):353–63, 16 Feb 76

Deficiency of joining of Okazaki-type fragments in absence of cellular protein synthesis. Werner D, et al.
Eur J Biochem 54(2):351–8, Jun 75

Separation of transcriptionally active from less active rat ventral prostate chromatin. Anderson KM, et al.
Exp Cell Res 94(1):176–90, Aug 75

Electron microscopic autoradiography of isolated nucleolar transcription units. Angelier N, et al. **Exp Cell Res** 100(2):389–93, Jul 76

Morphology of transcriptional units of rDNA. Evidence for transcription in apparent spacer intercepts and cleavages in the elongating nascent RNA. Franke WW, et al.
Exp Cell Res 100(2):233–44, Jul 76

Transcriptional activity and chromatin structural changes in a temperature-sensitive mutant of BHK cells blocked in early G1. Kane G, et al. **Exp Cell Res** 99(1):165–73, Apr 76

Effects of chemical animalization and cell dissociation on RNA synthesis in sea urchin embryos. Kobayashi I, et al.
Exp Cell Res 97(2):413–7, Feb 76

Activity of the endogenous RNA polymerase on fixed polytene chromosomes. Pagés M, et al. **Exp Cell Res** 98(1):120–6, 1 Mar 76

Polydeoxyribonucleotides as templates for RNA synthesis catalysed by Qbeta replicase. Feix G, et al. **FEBS Lett** 63(1):201–4, 15 Mar 76

Transcription of circular, single-stranded DNA by maize RNA polymerase II. Gardner CO, et al. **FEBS Lett** 63(1):205–8, 15 Mar 76

The effect of the termination rho factor and ribonuclease III on the transcription of bacteriophage phi X174 DNA in vitro. Kapitza EL, et al. **FEBS Lett** 64(1):81–4, 15 Apr 76

Post-transcriptional modification of tyrosine tRNA as a function of growth in Bacillus subtilis. Keith G, et al.
FEBS Lett 61(2):120–3, 15 Jan 76

Structural organization and processing of the genetic transcript in the cellular slime mold Dictyostelium discoideum. Firtel RA, et al. **Fed Proc** 35(1):13–22, Jan 76

Polarity in segments of the Escherichia coli trp operon with deleted intraoperonic translational initiation signals. Kano Y, et al. **Genetics** 80(4):651–66, Aug 75

Influenza of age on chromatin transcription in murine tissues using a heterologous and an homologous RNA polymerase. Hill BT. **Gerontology** 22(3):111–23, 1976

The gene expression during the cell life cycle. Volpe P.
Horiz Biochem Biophys 2:285–340, 1976 (76 ref.)

Changes in the phosphorylation of non-histone chromosomal proteins in cells stimulated to proliferate: relationship to nucleic acid synthesis. pp. 137–47. Blat C, et al.
In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Relationship between transcription RNA methylation and translation. pp. 99–110. Kersten H, et al.
In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.

Transcription and chromatin subunit structure. pp. 27–41. Axel R.
In: Fenoglio CM, et al., ed. Developmental genetics. New York, Stratton, 1976. W1 AD716 v.3 1976.

Isolation of two forms of SV40 transcriptional complexes from infected monkey cells. pp. 33–41. Green MH, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The transcription of AMV RNA sequences from nuclei and chromatin of avian myoblasts. pp. 51–8. Jacquet M, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The direction of transcription of polyoma virus DNA. pp. 59–66. Kamen R, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Sarkosyl extraction of an active SV40 transcription complex. pp. 67–73. Mousset S, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Application of a 'linked' transcription-translation cell free system to the direct functional mapping of a mammalian viral DNA. pp. 313–23. Roberts BE, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Transcription of adenovirus 'cores'. pp. 75–82. Tate V, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro transcription of polyoma virus DNA. pp. 83–91. Yaniv M, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Information transfer: salt effects. pp. 119–36. Bayley ST.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Information transfer in thermophilic bacteria. pp. 85–101. Stenesh J.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Special sequences in mammalian DNA and their relationship to HnRNA and mRNA. pp. 35–43. Burdon RH, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Effect of removal of F1-histone on the transcription process and on the conformation of nuclear chromatin. pp. 429–34. Fenske H, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

T7 DNA sequences in regions coding for termination of transcription. pp. 361–6. Hayward R, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Cleavage mapping of the T7 early transcriptional region. pp. 367–71. Humphries P, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

On the transcription process in the isolated rat liver nucleus. pp. 343–8. Lindigkeit R, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Fidelity of transcription of nucleolar chromatin with different RNA polymerases. pp. 325–20. Muramatsu M, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Control of transcription of the globin gene. pp. 447–59. Paul J, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Messenger RNA: transcription, processing and turnover. pp. 17–34. Perry RP, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Ultrastructure of transcription in the nucleoli of the green algae Acetabularia major and A. mediterranea. pp. 159–68. Trendelenburg MF, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Transcription of adenovirus-2 DNA by HeLa cell DNA-dependent RNA polymerases. pp. 275–88. Wells D, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

On the role of RNA polymerase subunits in RNA-synthesis and the gross regulation of transcription by specific modifications of RNA polymerase subunits. pp. 239–51. Zillig W.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

The provirus of Rous sarcoma virus: synthesis, integration and transcription. pp. 255–65. Bishop JM, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Intracellular forms of adenovirus DNA in productively infected cells: evidence for integration of the viral genome. pp. 155–81. Doerfler W, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Adenovirus DNA: transcription during productive infection, integration in transformed cells, and replication in vitro. pp. 217–36. Green M, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Transcription of SV40 in lytically infected and transformed cells. pp. 91–116. Sambrook J, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

A bacterial gene for tyrosine transfer RNA: promoter and terminator sequences and progress in total synthesis. pp. 371–95. Khorana HG.
In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974.

Amsterdam, Elsevier, 1975. QU 55 I643p 1974.
RNA in gene de-repression. pp. 330–8. Frenster JH, et al.

In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.
Gene transcription and gene expression during sea urchin development. pp. 4–10. Gross PR, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.
Sequence composition and organization of the genome and of the nuclear RNA of higher organisms: an approach to understanding gene regulation. pp. 304–23. Holmes DS, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.
Injection of messenger RNA into living cells and its application to the study of gene action in Xenopus laevis. pp. 110–20. Knowland JS, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.
Nonhistone proteins as gene derepressor molecules. pp. 324–9. Wang TY, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.
Radiology applied: mapping transcriptional organization in pro- and eukaryotes. pp. 651–62. Sauerbier W.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Chromosomal proteins and aspects of the transcription process in eukaryotes. pp. 269–81. Hill RJ.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.
Properties of the mRNA for feather keratin: mRNA transcribed from a family of repeated genes. pp. 205–16. Kemp DJ, et al.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.
DNA sequences from which double-stranded RNA is transcribed. pp. 217–32. Naora H, et al.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.
Transcription and its regulation at the ribosomal level in prokaryotic systems. pp. 5–20. Gros F, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975. (21 ref.)
tRNA structure in viral genomes and its possible role in gene replication and translation. pp. 21–9. Prochiantz A, et al.

In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.
Acetabularia, a cellular model for the study of nucleocytoplasmic interactions. pp. 203–15. Schweiger HG, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975. (47 ref.)
Nuclear–cytoplasmic interrelations in eucaryotes. pp. 231–3. Timoveeva MY, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975. (15 ref.)
Direct visualization of information transfer events. pp. 235–41. Woodcock CL, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.
Gene regulation: selective control of DNA helix openings. pp. 53–65. Frenster JH.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (67 ref.)
Rat pituitary tumor cells in culture: a model system for studies on the control of protein synthesis in differentiated cells. pp. 329–33. Biswas DK, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.
Role of chromatin nonhistone proteins in the regulation of cell growth and transcription. pp. 139–54. Kruh J, et al.

In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.
Regulation of transcription in eukaryotic cells. pp. 129–38. Pradhan DS, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.
Biochemical studies of mitochondrial transcription and translation. Saccone C, et al. **Int Rev Cytol** 43:125–65, 1975 (168 ref.)
Proceedings: Symmetrical transcription of SV40 DNA early in the infection and in transformed cells. Beck Y, et al. **Isr J Med Sci** 11(11):1207, Nov 75
Proceedings: In vitro transcription from chromatin of slime molds. Bloch S, et al. **Isr J Med Sci** 11(11):1214–5, Nov 75
Evolution of the transcription complex during sporulation of Bacillus subtilis. Brevet J. **J Bacteriol** 125(1):74–83, Jan 76
In vivo transcription of R-plasmid deoxyribonucleic acid in Escherichia coli strains with altered antibiotic resistance levels and/or conjugal proficiency. Davis R, et al. **J Bacteriol** 125(3):1148–55, Mar 76
Coupling of rates of transcription, translation, and messenger ribonucleic acid degradation in streptomycin-dependent mutants of Escherichia coli. Gupta RS, et al. **J Bacteriol** 125(1):84–93, Jan 76
Mutations affecting catabolite repression of the L-arabinose regulon in Escherichia coli B/r. Heffernan L, et al. **J Bacteriol** 126(3):1119–31, Jun 76
Proceedings: DNA sequence and RNA initiation. Takanami M. **J Biochem (Tokyo)** 79(4):29P, Apr 76
In vitro synthesis of transfer RNA. II. Identification of required enzymatic activities. Bikoff EK, et al. **J Biol Chem** 250(16):6248–55, 25 Aug 75
In vitro synthesis of transfer RNA. I. Purification of required components. Bikoff EK, et al. **J Biol Chem** 250(16):6240–7, 25 Aug 75
Progesterone-binding components of chick oviduct. In vitro effect of receptor subunits on gene transcription. Buller RE, et al. **J Biol Chem** 251(17):5178–86, 10 Sep 76
Regulation of in vitro mRNA transcription by a fraction of chromosomal proteins. Chiu JF, et al. **J Biol Chem** 250(24):9431–3, 25 Dec 75
ATPase activity required for termination of transcription by the Escherichia coli protein factor rho. Howard BH, et al. **J Biol Chem** 251(8):2520–4, 25 Apr 76
Selective effects of MgCl2 and temperature on the initiation of transcription at lac, gal, and lambda promoters. Nakanishi S, et al. **J Biol Chem** 250(20):8202–8, 25 Oct 75
Differential expression of alpha- and beta-globin genes during differentiation of cultured erythroleukemic cells. Orkin SH, et al. **J Biol Chem** 250(22):8753–60, 25 Nov 75
Transfer ribonucleic acid biosynthesis. Substrate specificity of ribonuclease P. Schmidt FJ, et al. **J Biol Chem** 251(8):2440–5, 25 Apr 76
Progesterone-binding components of chick oviduct. In vitro effects of purified hormone-receptor complexes on the initiation of RNA synthesis in chromatin. Schwartz RJ, et al. **J Biol Chem** 251(17):5166–77, 10 Sep 76
Antibody directed against Bacillus subtilis rho factor purified by sodium dodecyl sulfate slab gel electrophoresis. Effect on transcription by RNA polymerase in crude extracts of vegetative and sporulating cells. Tjian R, et al. **J Biol Chem** 250(22):8824–8, 25 Nov 75
Effect of estrogen on gene expression in the chick oviduct. Tsai MJ, et al. **J Biol Chem** 241(7):1960–8, 10 Apr 76
Study on the reinitiation of transcription in 37 RC cells after actinomycin D inhibition. Spectrum of major RNA species resynthesized after maximal suppression by the drug. Benedetto A, et al. **J Cell Biol** 67(3):538–50, Dec 75
Regulation of transcription of genes of ribosomal rna during amphibian oogenesis. A biochemical and morphological study. Scheer U, et al. **J Cell Biol** 69(2):465–89, May 76
Template activity of unfixed metaphase chromosomes. Cohen BB, et al. **J Cell Sci** 20(1):215–9, Jan 76
Transcriptional control of T4 coliphage-specific genes 30, 42, 43, rIIA, rIIB, and e. Witmer H, et al. **J Gen Virol** 31(3):289–302, Jun 76
Differentiation of thymocytes: evidence that induction of the surface phenotype requires transcription and translation. Storrie B, et al. **J Immunol** 116(5):1358–62, May 76
Hyperactivity and faster replicating property of the two arms of the male X of Drosophila pseudoobscura. Mukherjee AS, et al. **J Microsc (Oxf)** 106(2):199–208, Mar 76
Regulation of transcription termination in the leader region of the tryptophan operon of Escherichia coli involves tryptophan or its metabolic product. Bertrand K, et al. **J Mol Biol** 103(2):339–49, 15 May 76
Transcription termination in vivo in the leader region of the tryptophan operon of Escherichia coli. Bertrand K, et al. **J Mol Biol** 103(2):319–37, 15 May 76
Bacteriophage P2-lambda interference. II. Effects on the host under the control of lambda genes O and P. Brégégère F. **J Mol Biol** 104(2):411–20, 25 Jun 76
Divergent transcription of the argECBH cluster of escherichia coli k12. Mutations which alter the control of enzyme synthesis. Bretscher AP, et al. **J Mol Biol** 102(2):205–20, 5 Apr 76
Cytoplasmic distribution of pulse-labelled poly(A)-containing RNA, particularly 26 S RNA, during myoblast growth and differentiation. Buckingham ME, et al. **J Mol Biol** 103(3):611–26, 25 May 76
In vitro protein synthesis directed by separated transcripts of bacteriophage f1 DNA. Chan TS, et al. **J Mol Biol** 99(3):369–82, 15 Dec 75
Host mutant (tabD)-induced inhibition of bacteriophage T4 late transcription. I. Isolation and phenotypic characterization of the mutants. Coppo A, et al. **J Mol Biol** 96(4):579–600, 25 Aug 75
Host mutant (tabD)-induced inhibition of bacteriophage T4 late transcription. II. Genetic characterization of mutants. Coppo A, et al. **J Mol Biol** 96(4):601–24, 25 Aug 75
Early bacteriophage T4 transcription. A diffusible product controls rIIA and rIIB RNA synthesis. Daegelen P, et al. **J Mol Biol** 103(1):127–42, 5 May 76
Regulation of the expression of ribosomal protein genes in Escherichia coli. Dennis PP, et al. **J Mol Biol** 97(1):61–76, 5 Sep 75
Regulatory gene 28 of bacteriophage SPO1 codes for a phage-induced subunit of RNA polymerase. Fox TD, et al. **J Mol Biol** 101(3):427–33, 5 Mar 76
Synthesis of polyadenylated messenger RNA during the cell cycle of Saccharomyces cerevisiae. Fraser RS, et al. **J Mol Biol** 104(1):223–42, 14 Jun 76
Differential effect of phage regulator functions on transcription from various promoters: evidence that the P22 gene 24 and the lambda gene N products distinguish three classes of promoters. Friedman DI, et al. **J Mol Biol** 98(3):537–49, 5 Nov 75
Determination of the multiplicity of the silk fibroin gene and detection of fibroin gene-related DNA in the genome of Bombyx mori. Gage LP, et al. **J Mol Biol** 101(3):327–48, 5 Mar 76
Transcription in vitro of DNA in isolated bacterial nucleoids. Giorno R, et al. **J Mol Biol** 96(2):217–37, 5 Aug 75
Incorporation of 13C, 15N-labeled nucleosides and measurement of RNA synthesis and turnover in sea urchin embryos. Grainger RM, et al. **J Mol Biol** 104(3):589–601, 5 Jul 76
Ribosomal DNA transcription products during the first steps of magnification in Drosophila melanogaster. Graziani F, et al. **J Mol Biol** 100(1):59–71, 5 Jan 76
DNA synthesis inhibition and the induction of protein X in Escherichia coli. Gudas LJ, et al. **J Mol Biol** 101(4):459–77, 15 Mar 76
The transcriptional organization of the ribosomal RNA genes in mouse L cells. Hackett PB, et al. **J Mol Biol** 91(3):235–56, 25 Jan 75
Late steps in the maturation of Drosophila 26 S ribosomal RNA: generation of 5–8 S and 2 S RNAs by cleavages occurring in the cytoplasm. Jordan BR, et al. **J Mol Biol** 101(1):85–105, 15Feb 76
Operator and promoter mutations affecting divergent transcription in the bio gene cluster of Escherichia coli. Ketner G, et al. **J Mol Biol** 96(1):13–27, 25 Jul 75
Polarity suppressors increase expression of the wild-type tryptophan operon of Escherichia coli. Korn LJ, et al. **J Mol Biol** 103(2):395–409, 15 May 76
Termination of transcription in vitro in the Escherichia coli tryptophan operon leader region. Lee F, et al. **J Mol Biol** 103(2):383–93, 15 May 76
Nuclear and cytoplasmic adenovirus RNA. Differences between 5'-terminal of messenger and non-messenger transcripts. McGuire PM, et al. **J Mol Biol** 101(3):379–96, 5 Mar 76
Isoaccepting mitochondrial glutamyl-tRNA species transcribed from different regions of the mitochondrial genome of Saccharomyces cerevisiae. Martin N, et al. **J Mol Biol** 101(3):285–96, 5 Mar 76
Genetic fusions that help define a transcription termination region in Escherichia coli. Mitchell DH, et al. **J Mol Biol** 101(4):441–57, 15 Mar 76
Evidence for complete symmetrical transcription in vivo of mitochondrial DNA in HeLa cells. Murphy WI, et al. **J Mol Biol** 99(4):809–14, 25 Dec 75
Ribosome-protected regions in the leader-trpE sequence of Escherichia coli tryptophan operon messenger RNA. Platt T, et al. **J Mol Biol** 103(2):411–20, 15 May 76
Bacteriophage T7 early promoters: nucleotide sequences of two RNA polymerase binding sites. Pribnow D. **J Mol Biol** 99(3):419–43, 15 Dec 75
Changes in RNA metabolism and accumulation of presumptive messenger RNA during transition from the growing to the quiescent state of cultured mouse fibroblasts. Rudland PS, et al. **J Mol Biol** 96(4):745–66, 25 Aug 75
Localization of transcribing genes in the bacterial cell by means of high resolution autoradiography. Ryter A, et al. **J Mol Biol** 98(4):797–810, 15 Nov 75
The in vitro transcription units of bacteriophage phiX174. II. In vitro initiation sites of phiX174 transcription. Smith LH, et al. **J Mol Biol** 103(4):699–710, 5 Jun 76
The in vitro transcription units of bacteriophage phiX174. III. Initiation with specific 5' end oligonucleotides of in vitro phiX174 RNA. Smith LH, et al. **J Mol Biol** 103(4):711–35, 5 Jun 76
The in vitro transcription units of bacteriophage phiX174. I. Characterization of synthetic parameters and measurement of transcript molecular weights. Smith LH, et al. **J Mol Biol** 103(4):681–97, 5 Jun 76
On the fidelity of transcription by Escherichia coli ribonucleic acid polymerase. Springgate CF, et al. **J Mol Biol** 97(4):577–91, 5 Oct 75
Nucleotide sequence of the 5' end of tryptophan messenger RNA of Escherichia coli. Squires C, et al. **J Mol Biol** 103(2):351–8, 15 May 76
Measurement of the pool size and synthesis rate of the metabolically unstable fraction of RNA in Escherichia coli by a method independent of hybridization efficiency and unaffected by precursor compartmentation. Summerton JE. **J Mol Biol** 100(2):127–40, 15 Jan 76
Direction of transcription of two ribosomal protein genes in Escherichia coli. Wittmann HG, et al. **J Mol Biol** 98(4):827–9, 15 Nov 75
The role of replication proteins in the regulation of bacteriophage T4 transcription. II. Gene 45 and late transcription uncoupled from replication. Wu R, et al. **J Mol Biol** 96(4):539–62, 25 Aug 75

The role of replication proteins in the regulation of bacteriophage T4 transcription. I. Gene 45 and hydroxymethyl-C-containing DNA. Wu R, et al. **J Mol Biol** 96(4):513–38, 25 Aug 75

Considerations regarding the regulation of gene transcription and messenger translation. Fitch WM. **J Mol Evol** 1(1):185–207, 1971

Evolution of nucleic acid replication: the possible role of simple repeating sequence polypeptides therein. Woese CR. **J Mol Evol** 2(2–3):205–8, 1973

Influence of neonatal hypothyroidism upon transcription in isolated rat brain and liver nuclei. Krawiec L, et al. **J Neurochem** 26(6):1181–8, Jun 76

Transcription of repeated and unique DNA sequences in brain nuclei. Soga K, et al. **J Neurochem** 26(1):89–84, JAN 76

The role of the androgen-binding nonhistone proteins in the transcription of prostatic chromatin. Nyberg LM, et al. **J Steroid Biochem** 7(4):267–73, Apr 76

A computer simulation of transcription and processing of eucaryotic mRNA. Parrish W, et al. **J Theor Biol** 56(2):355–61, Feb 76

Identification of early adenovirus type 2 RNA species transcribed from the left-hand end of the genome. Craig EA, et al. **J Urol** 16(4):905–12, Oct 75

Transcription of 70S RNA by DNA polymerases from mammalian RNA viruses. Abrell JW, et al. **J Virol** 16(6):1566–74, Dec 75

Strand-specific transcription of polyoma virus DNA–early in productive infection and in transformed cells. Beard P, et al. **J Virol** 17(1):20–6, Jan 75

Viral transcription in KB cells infected by temperature-sensitive 'early' mutants of adenovirus type 5. Carter TH, et al. **J Virol** 18(1):156–66, Apr 76

In vitro transcription of DNA from the 70S RNA of Rous sarcoma virus: identification and characterization of various size classes of DNA transcripts. Collett MS, et al. **J Virol** 16(5):1220–8, Nov 75

In vitro transcription of 70S RNA by the RNA-directed DNA polymerase of Rouse sarcoma virus: lack of influence of RNase H. Collett MS, et al. **J Virol** 17(1):291–5, Jan 75

Adenovirus transcription. II. RNA sequences complementary to simian virus 40 and adenovirus 2DNA in AD2+ND1- and AD2+ND3-infected cells. Flint SJ, et al. **J Virol** 16(3):662–73, Sep 75

Analysis of in vitro transcription products of intracellular vesicular stomatitis virus RNA polymerase. Galet H, et al. **J Virol** 19(2):467–74, Aug 76

Transcription of simian virus 40. V. Regulattion of simian virus 40 gene expression. Laub O, et al. **J Virol** 16(5):1171–83, Nov 75

DNA strand specificity of temporal RNA classes produced during infection of Bacillus subtilis by SP82. Lawrie JM, et al. **J Virol** 19(2):359–73, Aug 76

Utilization of early promotors in mutant far P85 of bacteriophage T4. Sauerbier W, et al. **J Virol** 19(2):668–74, Aug 76

Regulated transcription of the genomes of defective virions and temperature-sensitive mutants of reovirus. Spandidos DA, et al. **J Virol** 18(1):7–19, Apr 76

Characterization of adenovirus type 2 transcriptional complexes isolated from infected HeLa cell nuclei. Wilhelm J, et al. **J Virol** 19(1):61–81, Jul 76

The regulation of gene expression in eukaryotic cells. Kolodny GM. **Med Hypotheses** 1(1):15–22, Jan–Feb 75 (101 ref.)

The role of low molecular weight compounds in the regulation of skeletal muscle genome activity during exercise. Rogozkin VA. **Med Sci Sports** 8(1):1–4, Spr 76

Distribution of globin genes in chicken reticulocyte chromatin fractionated on urografin gradients. Willetts BC, et al. **Mol Biol Rep** 2(6):479–86, Jul 76

Direct selection of mutants restricting efficiency of suppression and misreading levels in E. coli B. Elseviers D, et al. **Mol Gen Genet** 137(4):277–87, 1975

Biosynthesis of Escherichia coli RNA polymerase subunits upon release of rifampicin inhibition. Engbaek F, et al. **Mol Gen Genet** 143(3):297–9, 2 Feb 76

Regional replication of the bacterial chromosome induced by derepression of prophage lambda. II. Direction and origin. Hirai K, et al. **Mol Gen Genet** 147(1):71–8, 10 Aug 76

Isolation and genetic characterization of the nitA mutants of Escherichia coli affecting the termination factor rho. Inoko H, et al. **Mol Gen Genet** 143(2):211–21, 16 Jan 76

Initial trp operon sequence in Escherichia coli is transcribed without coupling to translation. Kano Y, et al. **Mol Gen Genet** 146(2):179–88, 23 Jul 76

Role of the tof gene in the production and perpetuation of the lambdadv plasmid. Matsubara K, et al. **Mol Gen Genet** 142(3):225–30, 30Dec 75

Isolation and characterization of lambdadargECBH transducing phages and heteroduplex analysis of the argECBH cluster. Mazaitis AJ, et al. **Mol Gen Genet** 143(2):185–96, 16 Jan 76

Genetic position and amino acid replacements of several mutations in ribosomal protein S5 from Escherichia coli. Piepersberg W, et al. **Mol Gen Genet** 143(1):43–52, 30 Dec 75

Bacteriophage SPO1 DNA- and RNA-directed protein synthesis in vitro: the effect of TF1, a template-selective transcription inhibitor. Shub DA, et al. **Mol Gen Genet** 137(2):161–9, 1975

Specificity of the stimulation of in vitro ribonucleic acid synthesis by guanosine 5'-diphosphate 3'-diphosphate. Smolin DE, et al. **Mol Gen Genet** 141(4):277–84, 9 Dec 75

I.n vitro transcription of adenovirus 2 DNA. I. Characterization of promoters for E. coli RNA polymerase. Surzycki SJ, et al. **Mol Gen Genet** 143(2):167–75, 16 Jan 76

In vitro transcription of adenovirus 2 DNA. II. Quantification and localization of promoters for E. coli RNA polymerase. Surzycki SJ, et al. **Mol Gen Genet** 143(2):177–84, 16 Jan 76

Increased spontaneous reversion of certain frameshift mutations in DNA polymerase I deficient strains of Escherichia coli. Vaccaro KK, et al. **Mol Gen Genet** 141(3):251–62, 1 Dec 75

Phenolic benzo(a)pyrene metabolites are mutagens. Glatt HR, et al. **Mutat Res** 36(3):379–84, Sep 76

Failure to detect a mutagenic activity of 8-methoxypsoralen (in the dark) in strains of Salmonella typhimurium and Escherichia coli. Scott BR. **Mutat Res** 40(2):167–8, Apr 76

Initiation sites of Rous sarcoma virus RNA-directed DNA synthesis in vitro. Cashion LM, et al. **Nature** 262(5565):186–90, 15 JUL 76

In vitro synthesis of tRNA precursors and their conversion to mature size tRNA. Daniel V, et al. **Nature** 257(5523):193–7, 18 Sep 75

Rate of nucleologenesis as a measure of gene activity. de la Torre C, et al. **Nature** 256(5517):503–5, 7 Aug 75

Developmental shifts in the synthesis of heterogeneous nuclear RNA classes in the sea urchin embryo. Dubroff LM, et al. **Nature** 260(5547):120–4, 11 Mar 76

Control of 5S RNA synthesis in Xenopus laevis. Ford PJ, et al. **Nature** 261(5559):433–5, 3 Jun 76

Evidence for post-transcriptional selection of viral mRNA in cells transformed by human adenovirus 12. Green MR, et al. **Nature** 261(5558):340–2, 27 May 76

Injected nuclei in frog oocytes provide a living cell system for the study of transcriptional control. Gurdon JB, et al. **Nature** 260(5547):116–20, 11 Mar 76

4S oop RNA is a leader sequence for the immunity-establishment transcription in coliphage lambda. Honigman A, et al. **Nature** 262(5564):112–6, 8 Jul 76

In vitro transcription of a late class of phage SP01 genes. Pero J, et al. **Nature** 257(5523):248–51, 18 Sep 75

Genomic transcriptional activity and the structure of chromatin. Reeves R, et al. **Nature** 260(5551):495–500, 8 Apr 76

Post-transcription control of isocitrate lyase induction in the eukaryotic alga Chorella fusca. Scragg AH, et al. **Nature** 257(5526):498–501, 9 Oct 75

Regulation of cell cycle stage-specific transcription of histone genes from chromatin by non-histone chromosomal proteins. Stein G, et al. **Nature** 257(5529):764–7, 30 Oct 75

Determination of 5'-triphosphate terminus of 16S ribosomal RNA precursor. Tang PW, et al. **Nature** 257(5522):157–8, 11 Sep 75

Bacteriophage SP01 regulatory proteins directing late gene transcription in vitro. Tijan R, et al. **Nature** 262(5571):753–7, 26 Aug 76

Lambda repressor regulates the switch between PR and Prm promoters. Walz, A, et al. **Nature** 262(5570):665–9, 19 Aug 76

Transcription of the nonrepeated fraction of 'accessible' DNA in rat liver chromatin. Arnold EA, et al. **Nucleic Acids Res** 3(2):299–314, Feb 76

Misincorporation of (TP during transcription of poly dAT-dAT and poly dABU-dABU. Bick MD. **Nucleic Acids Res** 2(9):1513–23, Sep 75

Physical mapping of the central terminator for transcription on the bacteriophage M13 genome. Edens L, et al. **Nucleic Acids Res** 2(10):1811–20, Oct 75

Transcription of single base oligonucleotides by ribonucleic acid-directed deoxyribonucleic acid polymerase. Falvey AK, et al. **Nucleic Acids Res** 3(1):79–88, Jan 76

Mapping the transcription site of the SV40-specific late 16 S mRNA. May E, et al. **Nucleic Acids Res** 2(10):1995–2005, Oct 75

Isolation of single stranded DNA related to the transcriptional activity of animal cells. Tapiero H, et al. **Nucleic Acids Res** 3(4):953–63, Apr 76

Sequential transcription of the genes of vesicular stomatitis virus. Abraham G, et al. **Proc Natl Acad Sci USA** 73(5):1504–8, May 76

Order of transcription of genes of vesicular stomatitis virus. Ball LA, et al. **Proc Natl Acad Sci USA** 73(2):442–6, Feb 76

Regulation of viral transciption and tumor antigen expression in cells transformed by simian virus 40. Basilico C, et al. **Proc Natl Acad Sci USA** 73(6):1931–5, Jun 76

Nucleotide sequence of region preceding trp mRNA initiation site and its role in promoter and operator function. Bennett GN, et al. **Proc Natl Acad Sci USA** 73(7):2351–5, Jul 76

Chemical and physical properties of fractionated chromatin. Berkowitz EM, et al. **Proc Natl Acad Sci USA** 72(9):3328–32, Sep 75

Regulation of transcription factor rho and the alpha subunit of RNA polymerase in Escherichia coli B/r. Blumenthal RM, et al. **Proc Natl Acad Sci USA** 73(7):2285–8, Jul 76

Coupled in vitro transcription and translation of vesicular stomatitis virus messenger RNA. Breindl M, et al. **Proc Natl Acad Sci USA** 72(7):2545–9, Jul 75

Isolation and characterization of conditional lethal mutants of Escherichia coli defective in transcription termination factor rho. Das A, et al. **Proc Natl Acad Sci USA** 73(6):1959–63, Jun 76

Hemoglobin synthesis in somatic cell hybrids: coexpression of mouse with human or chinese hamster globin genes in interspecific somatic cell hybrids of mouse erythroleukemia cells. Deisseroth A, et al. **Proc Natl Acad Sci USA** 72(7):2682–6, Jul 75

Structure of transcriptionally active chromatin. Gottesfeld JM, et al. **Proc Natl Acad Sci USA** 72(11):4404–8, Nov 75

Electron microscopy of gene regulation: the L-arabinose operon. Hirsh J, et al. **Proc Natl Acad Sci USA** 73(5):1518–22, May 76

In vitro synthesis of a constitutive enzyme of Escherichia coli, 6-phosphogluconate dehydrogenase. Isturiz T, et al. **Proc Natl Acad Sci USA** 72(11):4381–4, Nov 75

Dephosphorylation of nonhistone proteins specifically alters the pattern of gene transcription in reconstituted chromatin. Kleinsmith LJ, et al. **Proc Natl Acad Sci USA** 73(4):1174–8, Apr 76

Promoter-dependent transcription of tRNAITyr genes using DNA fragments produced by restriction enzymes. Küpper H, et al. **Proc Natl Acad Sci USA** 72(12):4754–8, Dec 75

Effects of bacteriophage T4-induced modification of Escherichia coli RNA polymerase on gene expression in vitro. Mailhammer R, et al. **Proc Natl Acad Sci USA** 72(12):4928–32, Dec 75

Initiation of in vitro mRNA synthesis from the wild-type lac promoter. Majors J. **Proc Natl Acad Sci USA** 72(11):4394–8, Nov 75

Lambda repressor turns off transcription of its own gene. Meyer BJ, et al. **Proc Natl Acad Sci USA** 72(12):4785–89, Dec 75

Detection of polycistronic and overlapping bacteriophage T7 late transcripts by in vitro translation. Pachl CA, et al. **Proc Natl Acad Sci USA** 73(2):312–6, Feb 76

Double-stranded RNA in chromatin transcripts formed by exogenous RNA polymerase. Pays E. **Proc Natl Acad Sci USA** 73(4):1121–5, Apr 76

Transcription termination and late control in phage lambda. Roberts JW. **Proc Natl Acad Sci USA** 72(9):3300–4, Sep 75

Determination of nucleotide sequences beyond the sites of transcriptional termination. Rosenberg M, et al. **Proc Natl Acad Sci USA** 73(3):717–21, Mar 76

Region of immunoglobulin light-chain mRNA transcribed into complementary DNA by RNA-dependent DNA polymerase of avian myeloblastosis virus. Schechter I. **Proc Natl Acad Sci USA** 72(7):2511–4, Jul 75

Size of primary transcripts in Ehrlich ascites cells as measured by tetraphosphate determination. Schmincke CD, et al. **Proc Natl Acad Sci USA** 73(6):1994–8, Jun 76

Transcription in vitro of immunoglobulin kappa light chain genes in isolated mouse myeloma nuclei and chromatin. Smith MM, et al. **Proc Natl Acad Sci USA** 73(3):775–9, Mar 76

Possible peptide chain termination mutants in thymide kinase gene of a mammalian virus, herpes simplex virus. Summers WP, et al. **Proc Natl Acad Sci USA** 72(10):4081–4, Oct 75

Synthesis of specific functional messenger RNA in vitro by phage-SP01-modified RNA polymerase of Bacillus subtilis. Swanton M, et al. **Proc Natl Acad Sci USA** 72(12):4886–90, Dec 75

Transcription-translation and translation-messenger RNA decay coupling: separate mechanisms for different messengers. Walker AC, et al. **Proc Natl Acad Sci USA** 73(4):1126–30, Apr 76

Strand-selective transcription of globin genes in rabbit erythroid cells and chromatin. Wilson GN, et al. **Proc Natl Acad Sci USA** 72(12):4835–9, Dec 75

Sigma cycle during in vitro transcription: demonstration by nanosecond fluorescence depolarization spectroscopy. Wu CW, et al. **Proc Natl Acad Sci USA** 72(8):3019–23, Aug 75

The metabolism of heterogeneous nuclear RNA and the formation of cytoplasmic messenger RNA in animal cells. Molloy G, et al. **Prog Biophys Mol Biol** 31(1):1–38, 1976 (258 ref.)

Information transfer and sperm uptake by mammalian somatic cells. Bendich A, et al. **Prog Nucleic Acid Res Mol Biol** 17:43–75, 1976 (121 ref.)

Transcription and processing of transfer RNA precursors. Smith JD. **Prog Nucleic Acid Res Mol Biol** 16:25–73, 1976 (211 ref.)

Autoregulation and function of a repressor in bacteriophage lambda. Ptashne M, et al. **Science** 194(4261):156–61, 8 Oct 76

Studies on the in vitro transcription and translation of vesicular stomatitis virus mRNA. Breindl M, et al. **Virology** 73(1):106–18, Aug 76

Transcription of equine herpesvirus type 1: evidence for classes of transcripts differing in abundance. Cohen JC, et al. **Virology** 68(2):561–5, Dec 75

Adenovirus transcription. III. Mapping of viral RNA sequences in cells productively infected by adenovirus type 5. Flint SJ, et al. **Virology** 72(2):443–55, 15 Jul 76

Growth of lambda variants with added or altered promoters in N-limiting bacterial mutants: evidence that an N recognition site lies in the PR promoter. Friedman DI, et al. **Virology** 71(1):61–73, May 76

Regulation of gene activity in bacteriophage M13 DNA: Coupled transcription and translation of purified genes and gene-fragments. Hondel CA, et al. **Virology** 67(2):487-97, Oct 75

Processing of the major leftward mRNA of coliphage lambda. Lozeron HA, et al. **Virology** 71(1):262-77, May 76

Evidence of read-through at the termination signal for transcription of the trp operon. Segawa T, et al. **Virology** 70(1):181-4, Mar 76

[Natural history of molecular pathology] Biserte G. **Ann Biol Clin (Paris)** 33(4):261-80, 1975 (24 ref.) (Eng. Abstr.) **(Fre)**

[Double-stranded sequences in RNA transcribed in vitro by E. coli RNA polymerase on wheat nuclear DNA] Tuffet A, et al. **C R Acad Sci [D] (Paris)** 281(13):933-6, 29 Sep 75 (Eng. Abstr.) **(Fre)**

[Transcription complexes with nucleolar and chromosomal origins in oocytes of Pleurodeles waltlii and P. poireti (amphibia, urodela) (author's transl)] Angelier N, et al. **Chromosoma** 51(4):323-35, 11 Aug 75 (Eng. Abstr.) **(Fre)**

[Transcription of adenovirus 2 DNA by the C class of RNA polymerases of HeLa cells] pp. 43-50. Hossenlopp P, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975. (Eng. Abstr.) **(Fre)**

[Gene activity during embryogenesis of the earthworm Eisenia foetida ((3H)uracil autoradiography and actinomycin D treatment) (author's transl)] Devriès J. **J Embryol Exp Morphol** 35(2):403-24, Apr 76 **(Fre)**

[The change on the incorporation of (6-14C)orotic acid in vivo into RNA and DNA in the cerebellum of young hypo- and hyperthyroid rats: comparative effects of hypo- and hyperthyroidism on cell multiplication (author's transl)] Dainat J, et al. **J Neurochem** 26(5):941-50, May 76 (Eng. Abstr.) **(Fre)**

[RNA-directed DNA synthesis in vitro: detection of polydeoxyadenylate in DNA, complementary to antimessenger-DNA] Frolova LIu, et al. **Dokl Akad Nauk SSSR** 225(6):1442-5, 21 Dec 75 **(Rus)**

[Cytoplasmic inhibitor of transcription processes in rat liver] Todorov IN, et al. **Dokl Akad Nauk SSSR** 224(3):717-20, 21 Sep 75 **(Rus)**

[Common starting point for transcription and translation in genes 34 and 35 of bacteriophage T4D] Mekshenkov MI, et al. **Genetika** 10(12):115-20, Dec 74 (Eng. Abstr.) **(Rus)**

[Transcription time of phage T4 genes and its relation to chromosome replication] Nivinskas RH, et al. **Genetika** 9(11):124-33, Nov 73 (Eng. Abstr.) **(Rus)**

[The origin of mitochondrial RNA in animal tissue. III. The occurrence of transcripts from highly reiterated sequences of nuclear genome in rat liver mitochondria] Gaitskhoki VS, et al. **Mol Biol** 8(5):660-5, Sep-Oct 74 (Eng. Abstr.) **(Rus)**

[DNA content, replication and transcription rate in different site of the X-chromosome of Drosphila melanogaster] Anan'ev EV, et al. **Mol Biol (Mosk)** 9(5):752-60, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[DNA content, replication and transcription rate in different site of the X-chromosome of Drosphila melanogaster] Anan'ev EV, et al. **Mol Biol (Mosk)** 9(5):752-60, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Transcription of DNA by RNA polymerases of E. coli and calf thymus] Kozlov IuV, et al. **Mol Biol (Mosk)** 9(1):70-7, Jan-Feb 75 (Eng. Abstr.) **(Rus)**

[Analysis of the structure of DNA cistrons coding proteins with known sequences] Mazin AL, et al. **Mol Biol (Mosk)** 9(5):716-24, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Analysis of the structure of DNA cistrons coding proteins with known sequences] Mazin AL, et al. **Mol Biol (Mosk)** 9(5):716-24, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Transcription of ribosomal genes in nuclei of different ploidy] Strelkov LA, et al. **Mol Biol (Mosk)** 10(1):99-107, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[A comparison of bacterial RNA-polymerase RNA synthesis on polytene Drosophila chromosomes with transcription in living cells] Leibovich BA, et al. **Ontogenez** 5(6):544-56, 1974 (Eng. Abstr.) **(Rus)**

[A comparison of bacterial RNA-polymerase RNA synthesis on polytene Drosophila chromosomes with transcription in living cells] Leibovich BA, et al. **Ontogenez** 5(6):544-56, 1974 (Eng. Abstr.) **(Rus)**

[The effect of chromatin proteins on transcription of repeating portions of the genome] Limborskaia SA, et al. **Ontogenez** 5(6):606-13, 1974 **(Rus)**

[The effect of chromatin proteins on transcription of repeating portions of the genome] Limborskaia SA, et al. **Ontogenez** 5(6):606-13, 1974 **(Rus)**

[Isolation and characterization of a strain of E. coli K12 with a mutation affecting the transcription] Garcia H, et al. **Rev Lat Am Microbiol** 17(2):95-9, Apr-Jun 75 **(Spa)**

[Interrelation between changes in RNA transcription and glycine-14C incorporation into protein peculiar to hepatoma PC-1] Polishchik AS, et al. **Ukr Biokhim Zh** 48(1):67-71, Jan-Feb 76 **(Ukr)**

DRUG EFFECTS

Repressors. Bourgeois S, et al. **Adv Protein Chem** 30:1-99, 1976 (199 ref.)

On the effect of inhibitors of transcription and translation on RNA and protein synthesis by isolated rat liver mitochondria. Gadaleta MN, et al. **Arch Biochem Biophys** 172(1):238-45, Jan 76

Transcription of chromatin by an RNA polymerase of calf thymus which is sensitive to high concentrations of alpha-amanitin. Keshgegian AA, et al. **Arch Biochem Biophys** 169(2):545-54, Aug 75

Stimulation of in vitro transcription of T4 DNA by the polyamine spermidine. Nuss DL, et al. **Arch Biochem Biophys** 169(2):513-21, Aug 75

Dissociation of ribonucleic acid and protein synthesis in mammalian cells deprived of potassium. Pollack M, et al. **Arch Biochem Biophys** 172(1):189-90, Jan 76

Stimulation of chromatin template activity by the physiological macromolecule polyphosphate: a possible mechanism for eukaryotic gene derepression. Weinstein BI, et al. **Arch Biochem Biophys** 175(1):114-20, Jul 76

Effect of chloramphenicol and starvation for an essential amino acid on polypeptide and polyribonucleotide synthesis in Escherichia coli infected with bacteriophage T4. Witmer HJ, et al. **Arch Biochem Biophys** 169(2):406-14, Aug 75

RNA synthesis and RNA polymerase activity in hepatic nuclei isolated from rats fed the carcinogen 2-acetylaminofluorene. Adams MP, et al. **Biochem Biophys Res Commun** 68(3):850-7, 9 Feb 76

Steroid hormone receptor fraction stimulation of RNA synthesis: a caution. Buller RE, et al. **Biochem Biophys Res Commun** 69(1):106-13, 8 Mar 76

Involvement of arginine in in vitro repression of transcription of arginine genes C, B and H in Escherichia coli K 12. Cunin R, et al. **Biochem Biophys Res Commun** 69(2):377-82, 22 Mar 76

Thyrotropin-releasing hormone increases prolactin mRNA activity in the cytoplasm of GH-cells as measured by translation in a wheat germ cell-free system. Dannies PS, et al. **Biochem Biophys Res Commun** 70(4):1180-9, 21 Jun 76

The molecular mechanism of benzimidazole mutagenicity: in vitro studies on transcription and translation. Seiler JP. **Biochem Genet** 13(9-10):635-41, Oct 75

Opposite effects of phenobarbital pretreatment on aflatoxin B1-induced inhibition of transcription in rat and mouse liver. Moulé Y, et al. **Biochem Pharmacol** 24(20):1851-4, 15 Oct 75

Control of ribonucleic acid synthesis in eukaryotes. 3. The effect of cycloheximide and edeine on rna synthesis in yeast. Gross KJ, et al. **Biochemistry** 15(10):2082-6, 18 May 76

DNA-dependent RNA polymerases I and II from kidney. Effect of polyamines on the in vitro transcription of DNA and chromatin. Jänne O, et al. **Biochemistry** 14(16):3589-97, 12 Aug 75

Regulation of ribosomal RNA synthesis and processing during inhibition of protein synthesis by 1,3-bis(2-chloroethyl)-1-nitrosourea. Penman M, et al. **Biochemistry** 15(12):2661-8, 15 Jun 76

Differential sensitivity to antibiotics of trp mRNA synthesis originating at the trp promoter and the lambda promoter. Ihara S, et al. **Biochim Biophys Acta** 432(2):212-22, 3 May 76

Dependence of gonadotropin-induced steroidogenesis upon RNA and protein synthesis in the interstitial cells of the rat testis. Mendelson C, et al. **Biochim Biophys Acta** 411(2):222-30, 5 Dec 75

Inhibition of protein and nucleic acid synthesis of animal cells in vitro mediated by high molecular weight inhibitors in human liver extract. Nilsson G. **Biochim Biophys Acta** 418(3):376-96, 5 Feb 76

Increased synthesis of ribonucleic acids in mouse liver after treatment with a nonionic detergent. Petrovic SL. **Biochim Biophys Acta** 435(1):13-20, 2 Jun 76

Phospholipases and the effect of prolactin on uridine incorporation into RNA in mammary gland explants of mice. Rillema JA, et al. **Biochim Biophys Acta** 428(3):819-24, 28 May 76

Tyrocidine and the linear gramicidin. Do these peptide antibiotics play an antagonistic regulative role in sporulation? Ristow H, et al. **Biochim Biophys Acta** 390(2):246-52, 1 May 75

Nucleolar RNA synthesis in the liver of partially hepatectomized and cortisol-treated rats. Schmid W, et al. **Biochim Biophys Acta** 402(2):244-52, 21 Aug 75

Stimulatory actions of thyrotropin and dibutyryl cyclic AMP on transcription and translation in the regulation of thyroidal protein synthesis. Sherwin JR, et al. **Biochim Biophys Acta** 425(4):502-10, 2 Apr 76

Effects of estrogen and progesterone on transcription, chromatin and ovalbumin gene expression in the chick oviduct. Spelsberg TC, et al. **Biochim Biophys Acta** 435(4):376-90, 16 Jul 76

Effect of chloramphenicol on early mRNA synthesis in bacteriophage lambda. Takeda Y. **Biochim Biophys Acta** 407(1):73-82, 12 Sep 75

Hormonal control of transcription in higher plants. Teissere M, et al. **Biochim Biophys Acta** 402(3):391-402, 1 Sep 75

Effect of estrogen on the synthesis and processing of ovalbumin messenger RNA in the chick oviduct. Rosen JM, et al. **Brookhaven Symp Biol** (26):320-32, Jul 75

Persistent effects of ouabain treatment on human lymphocytes: synthesis of DNA, RNA and protein in stimulated and unstimulated cells. Dornand J, et al. **Can J Biochem** 54(3):280-6, Mar 76

Hormonal stimulation of ribosomal RNA synthesis in Achlya ambisexualis. Horgen PA, et al. **Can J Biochem** 53(12):1341-5, Dec 75

Alterations in the transcriptional capacity of hepatic DNA-dependent RNA polymerase I and II by N-hydroxy-2-acetylaminofluorene. Glazer RI. **Cancer Res** 36(7 PT 1):2282-9, Jul 76

Multiple sites of action of N-hydroxy-2-acetylaminofluorene rat hepatic nuclear transcription. Yu FL, et al. **Cancer Res** 36(10):3629-33, Oct 76

Distinctive effects of mechlorethamine (NSC-762), cyclophosphamide (NSC-26271), and BCNU (NSC-409962) on transcription in Ehrlich cells. Rutman RJ, et al. **Cancer Treat Rep** 60(4):471-6, Apr 76

Effects of methylation of the beta-galactosidase genome upon in vitro synthesis of beta-galactosidase. Chen B, et al. **Chem Biol Interact** 14(1-2):101-11, Jul 76

The relationship between the turnover of UTP and RNA synthesis in cultured cells treated with aflatoxin B1. Clifford JI, et al. **Chem Biol Interact** 13(2):165-71, May 76

Some studies of the effects of aflatoxin B1 in vivo and in vitro on nucleic acid synthesis in rat and mouse. Godoy HM, et al. **Chem Biol Interact** 13(3-4):257-77, Jun 76

The effect of dibromodulcitol on the template activity of DNA chromatin and nuclei from Yoshida sarcoma cells. Institóris E, et al. **Chem Biol Interact** 12(3-4):241-50, Mar 76

Preferential inhibition of the synthesis of 45S ribosomal rna precursor by N-acetoxyacetylaminofluorene in rat liver epithelial cultures. Kaplan LA, et al. **Chem Biol Interact** 12(1):99-108, Jan 76

The formation of poly A-containing RNA in rat liver after administration of 3-methylcholanthrene. Lanclos KD, et al. **Chem Biol Interact** 12(3-4):341-8, Mar 76

Mechanism of the inhibition of transcription by PR toxin, a mycotoxin from Penicillium roqueforti. Moulé Y, et al. **Chem Biol Interact** 14(3-4):207-16, Aug 76

Effect of nitrofurazone on bacterial RNA and ribosome synthesis and on the function of ribosomes. Tu Y, et al. **Chem Biol Interact** 14(1-2):81-91, Jul 76

Preferential stimulation of the plant mRNA synthesis by gibberellic acid. Wasilewska LD, et al. **Eur J Biochem** 66(2):405-12, 1 JUL 76

Activation of histone gene transcription from chromatin of G1 HELA cells by S-phase non-histone chromosomal proteins. Park WD, et al. **FEBS Lett** 62(2):226-9, 15 Feb 76

The role of thyroxine in the regulation of translatable messenger RNA for alpha2u globulin in rat liver. Roy AK, et al. **FEBS Lett** 64(2):396-9, 1 May 76

Estradiol-induced enhancement of the processing of the 32S ribosomal precursor in rooster liver. Van Den Berg JA, et al. **FEBS Lett** 63(1):65-70, 15 Mar 76

Selective binding of oligoribonucleotides by E. coli RNA polymerase and their effect on DNA-dependent RNA synthesis. Yefimova LY, et al. **FEBS Lett** 58(1):359-62, 15 Oct 75

Cut off proteins of FV 3 : their effect on transcription. pp. 347-53. Aubertin AM, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Action of indoleacetic acid: a plant growth hormone on transcription. pp. 461-77. Biswas BB, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Involvement of polyamines in ribonucleic acid synthesis as a possible biological function. Caldarera CM, et al. **Ital J Biochem** 25(1):33-55, Jan-Feb 76 (69 ref.)

Valyl-transfer RNA formation stimulated by monovalent cations and spermine in rat liver. Romano M, et al. **Ital J Biochem** 25(3):245-50, May-Jun 76

R17 RNA replicase. V. Rifamycin sensitivity of R17 RNA synthesis in vivo. Igarashi SJ, et al. **J Biochem (Tokyo)** 77(6):1261-9, Jun 75

Function and structure in ribonucleic acid phage Qbeta ribonucleic acid replicase. Effect of inhibitors of EF-Tu on ribonucleic acid synthesis and renaturation of active enzyme. Brown S, et al. **J Biol Chem** 251(9):2749-53, 10 May 76

In vitro transcription of the Escherichia coli histidine operon primed by dinucleotides. Effect of the first histidine biosynthetic enzyme. Di Nocera PP, et al. **J Biol Chem** 250(21):8376-81, 10 Nov 75

Effect of estrogen on gene expression in the chick oviduct. In vitro transcription of the ovalbumin gene in chromatin. Harris SE, et al. **J Biol Chem** 251(2):524-9, 25 Jan 76

Effect of estrogen on gene expression in the chick oviduct. Kinetics of initiation of in vitro transcription on chromatin. Hirose M, et al. **J Biol Chem** 251(4):1137-46, 25 Feb 76

Effect of estrogen on gene expression in the chick oviduct. Correlation between nuclear-bound estrogen receptor and chromatin initiation site for transcription. Kalimi M, et al. **J Biol Chem** 251(2):516-23, 25 Jan 76

Inhibition of transcription in vitro by a non-histone protein isolated from Ehrlich ascites tumor chromatin. Kostraba NC, et al. **J Biol Chem** 250(23):8938-42, 10 Dec 75

Studies on the lactose operon. The control of DNA-directed in vitro protein synthesis by interference factor i-alpha. Kung HF, et al. **J Biol Chem** 250(22):8780-4, 25 Nov 75

Effects of sex hormones on the level of the messenger RNA for the rat hepatic protein alpha 2u globulin. Kurtz DT, et al. **J Biol Chem** 251(12):3594-8, 25 Jun 76

Effect of estrogen on gene expression in the chick oviduct. Effect of estrogen on the sequence and population complexity of chick oviduct poly(A)-containing RNA. Monahan JJ, et al. **J Biol Chem** 251(12):3738–48, 25 Jun 76

Effects of estrogen on gene expression in chick oviduct. The role of chromatin proteins in regulating transcription of the ovalbumin gene. Tsai SY, et al. **J Biol Chem** 251(15):4713–21, 10 Aug 76

Alteration of ribosomal protein S17 by mutation linked to neamine resistance in Escherichia coli. I. General properties of neaA mutants. Bollen A, et al. **J Mol Biol** 99(4):795–806, 25 Dec 75

Aldosterone induced changes in RNA synthesis in rat intestine. Watts RW, et al. **J Steroid Biochem** 7(4):263–8, Apr 76

Proteins solubilized from frog virus 3 particles: effect on transcription. Aubertin AM, et al. **J Virol** 18(1):34–41, Apr 76

Hormone inducible messenger RNA. Woo SL, et al. **Life Sci** 17(7):1039–47, 10 Oct 75 (76 ref.)

Inhibitors of nucleic acid synthesis: biophysical and biochemical aspects. Kersten H, et al. **Mol Biol Biochem Biophys** (18):1–184, 1974 (791 ref.)

Influence of steroid-receptor complexes on transcription by human hypertrophied prostatic RNA polymerases. Davies P, et al. **Mol Cell Endocrinol** 5(3–4):269–88, Aug–Sep 76

Inhibition of transcription by isonicotinic acid hydrazide. Klamerth OL. **Mutat Res** 35(1):53–64, Apr 76

Initiation inhibition and reinitiation of the synthesis of heterogenous nuclear RNA in living cells. Egyhazi E. **Nature** 262(5566):319–21, 22 Jul 76

Restriction of template capacity of rat liver chromatin by a non-histone peptide from calf thymus. Gianfranceschi GL, et al. **Nature** 262(5569):622–3, 12 Aug 76

Evidence for an extranucleolar mechanism of actinomycin D action. Lindell TJ. **Nature** 263(5575):347–50, 23 Sep 76

Stimulation of transcription on chromatin by polar organic compounds. Strätling WH. **Nucleic Acids Res** 3(5):1203–13, May 76

Translation of hormone-induced messenger RNA in amphibian oocytes: I. Induction by estrogen of messenger RNA encoded for vitellogenic protein in the liver of the male African clawed toad (Xenopus laevis). Lanclos KD, et al. **Proc Natl Acad Sci USA** 72(10):3934–8, Oct 75

Effects of guanosine tetraphosphate on cell-free synthesis of Escherichia coli ribosomal RNA and other gene products. Reiness G, et al. **Proc Natl Acad Sci USA** 72(8):2881–5, Aug 75

Characterization of a novel, low-molecular-weight DNA-binding protein from Escherichia coli. Rouvière-Yaniv J, et al. **Proc Natl Acad Sci USA** 72(9):3428–32, Sep 75

Guanosine 5'-diphosphate 3'-diphosphate (ppGpp): positive effector for histidine operon transcription and general signal for amino-acid deficiency. Stephens JC, et al. **Proc Natl Acad Sci USA** 72(11):4389–93, Nov 75

Effects of estrogen on gene expression in chick oviduct: nuclear receptor levels and initiation of transcription. Tsai SY, et al. **Proc Natl Acad Sci USA** 72(11):4228–32, Nov 75

Effect of estrogen on gene expression: purification of vitellogenin messenger RNA. Wetekam W, et al. **Proc Natl Acad Sci USA** 72(9):3364–8, Sep 75

Human interferon production: superinduction by 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole. Sehgal PB, et al. **Science** 190(4211):282–4, 17 Oct 75

Studies on genetic transcription. II. Induced production of new morphological traits in Aspergillus ochraceus wilhelm by 2-amino-pyrimidine. Kakkar RK, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):691–5, 1975

[Effect of cortisol and cortisol-transcortin complex on transcription in calf thymus chromatin] Savart M, et al. **C R Acad Sci [D] (Paris)** 281(20):1517–20, 17 Nov 75 (Eng. Abstr.) **(Fre)**

[The regulator effect of fructose-1,6-diphosphate and cyclic adenosine monophosphate on protein and RNA synthesis by isolated mitochondria] Neifakh SA, et al. **Mol Biol (Mosk)** 9(3):341–50, May–Jun 75 (Eng. Abstr.) **(Rus)**

[The regulator effect of fructose-1,6-diphosphate and cyclic adenosine monophosphate on protein and RNA synthesis by isolated mitochondria] Neifakh SA, et al. **Mol Biol (Mosk)** 9(3):341–50, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of trypsin on endogenous RNA synthesis of cell nuclei] Dzhokhadze DI, et al. **Ukr Biokhim Zh** 47(3):299–302, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Peculiarities of RNA synthesis in sections of rat liver tissues and cells of chicken embryos under conditions of protein synthesis inhibition] Halkin AP, et al. **Ukr Biokhim Zh** 47(3):295–8, May–Jun 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

Effect of whole-body irradiation on the synethesis of ribonucleic acid associated with nuclear ribonucleoprotein particles of rat liver. Ferencz A, et al. **Acta Biochim Biophys Acad Sci Hung** 11(1):11–22, 1976

Increased synthesis of nuclear RNA in regenerating rat liver after gamma-irradiation. Fónagy A, et al. **Acta Biochim Biophys Acad Sci Hung** 10(3):147–52, 1975

Effects of irradiation on RNA synthesis primed by calf thymus deoxyribonucleoprotein treated with salt and salt-urea. Kobayashi T, et al. **Biochim Biophys Acta** 425(4):396–400, 2 Apr 76

RNA synthesis in Yoshida ascites tumor cells after ultraviolet and gamma irradiation. Ramakrishnan N, et al. **Biochim Biophys Acta** 435(2):119–27, 18 Jun 76

[Study of the transcription process in thymus cells of x-irradiated rats. 1. Hybridization of nuclear RNA with repeated and unique DNA sequences] Khanson KP, et al. **Radiobiologiia** 16(1):6–10, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[DNA-dependent RNA-polymerase of the organs of irradiated animals. Report 6. Role of enzyme changes in disturbance of the process of transcription] Likhoded VS, et al. **Radiobiologiia** 15(5):741–4, Sep–Oct 75 (21 ref.) (Eng. Abstr.) **(Rus)**

TRANSDUCERS

Strain-gage isotonic transducer for measurements of motor activity of isolated intestine. Dolecki K, et al. **Acta Physiol Pol** 27(1):105–7, Jan–Feb 76

Equipment review. Physiological pressure transducers. **Biomed Eng** 11(6):231–2, 234–5, Jun 76

A photoelastic force-indicating spreader for the correction of scoliosis. Arcan M, et al. **Biomed Eng** 10(12):451–2, 455, Dec 75

A digital technique for linearising the output of a turbine anemometer. Crane RA, et al. **Biomed Eng** 11(1):19–21, Jan 76

A calibration system for catheter transducer pressure measurement. Murray RH, et al. **Biomed Eng** 11(5):180–2, May 76

Continuous measurement of left ventricular volume using a single dimensional transducer: a comparison of two techniques in open chested dogs. Wilson GJ, et al. **Cardiovasc Res** 9(3):327–35, May 75

Precise voltage to frequency converter for telemetry applications of strain gage pressure transducers. Grover TP. **IEEE Trans Biomed Eng** 22(5):441–3, Sep 75

An ultrasensitive isometric force transducer for single smooth muscle cell mechanics. Canaday PG, et al. **J Appl Physiol** 40(2):243–6, Feb 1976

Proceedings: A robust transducer suitable for measuring forces of 1 muN. Brandt PW, et al. **J Physiol (Lond)** 258(2):43P–44P, Jun 76

A miniature accelerometer for detecting glottal waveforms and nasalization. Stevens KN, et al. **J Speech Hear Res** 18(3):594–9, Sep 75

Low-cost i.c. transducer for medical pressure measurements. Delaunois AL. **Med Biol Eng** 12(3):364–5, May 74

Electrolytic catheter-tip pressure transducer. Hök B. **Med Biol Eng** 12(3):355–9, May 74

New microtransducer for physiological pressure recordings. Hok B. **Med Biol Eng** 13(2):279–84, Mar 75

Improved thermistor transducer and its application for detection of latent heart failure. Rentsch W. **Med Biol Eng** 14(2):130–5, Mar 76

The use of strain gage transducers to study gastroduodenal motility in turkeys. Duke GE, et al. **Poult Sci** 54(5):1472–8, Sep 75

Instrumentation--characteristics of a light emitting diode--transistor photoplethysmograph. Tahmoush AJ, et al. **Psychophysiology** 13(4):357–62, Jul 76

High Q ultrasonic liquid resonators with concave transducers. Eggers F, et al. **Rev Sci Instrum** 47(3):361–7, Mar 76

A simple pressure calibrator. Sixt R, et al. **Scand J Clin Lab Invest** 36(2):207–8, Mar 76

[Measurement of muscular tension peroperatively by a transducer apparatus] Jansen E, et al. **Ugeskr Laeger** 137(39):2272–3, 22 Sept 75 (Eng. Abstr.) **(Dan)**

[SFT transducer and its clinical application for continous monitoring of epidural intracranial pressure (author's transl)] Yoneda S, et al. **Neurol Med Chir (Tokyo)** 16(1 Pt 2):71–8, Jan 76 (Eng. Abstr.) **(Jpn)**

[External kymographic transducer] Khazaniuk AL, et al. **Med Tekh** (2):51–2, Mar–Apr 75 **(Rus)**

TRANSDUCTION, GENETIC

Transfer of resistance plasmids in Staphylococcus aureus. Fouace J. **Ann Microbiol (Paris)** 125(4):517–20, May–Jun 74

Transfer of the gene for hypoxanthine-guanine phosphoribosyltransferase of isolated human metaphase chromosomes into murine L-cells. Willecke K, et al. **Birth Defects** 11(3):288–91, 1975

Electrophoretic pattern of hypoxanthine phosphoribosyltransferase produced in Chinese hamster cells following incorporation of human chromosomes. Wullems GJ, et al. **Birth Defects** 11(3):292–3, 1975

Evidence that HT mutant strains of bacteriophage P22 retain an altered form of substrate specificity in the formation of transducing particles in Salmonella typhimurium. Chelala CA, et al. **Genet Res** 27(2):315–22, Apr 76

Specialized transduction by bacteriophage P22 in Salmonella typhimurium: genetic and physical structure of the transducing genomes and the prophage attachment site. Chan RK, et al. **Genetics** 83(3 PT.2):433–58, Jul 76

Integration, at hag or elsewhere, of H2 (phase-2 flagellin) genes transduced from Salmonella to Escherichia coli. Enomoto M, et al. **Genetics** 81(4):595–614, Dec 75

Specialized transducing phages derived from phage P22 that carry the pro AB region of the host, Salmonella typhimurium: genetic evidence for their structure and mode of transduction. Jessop AP. **Genetics** 83(3 PT.2):459–75, Jul 76

Characteristics of bacterial gene expression in human fibroblasts. pp. 459–71. Merril CR, et al. **In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.**

Transduction of drug resistance to tetracycline, chloramphenicol, macrolides, lincomycin and clindamycin with phages induced from Streptococcus pyogenes. Ubukata K, et al. **J Antibiot (Tokyo)** 28(9):681–8, Sep 75

Isolation of specialized transducing bacteriophage lambda carrying genes of the L-arabinose operon of Escherichia coli B/r. Boulter J, et al. **J Bacteriol** 123(3):1043–54, Sep 75

Low-frequency, pbsi-mediated plasmid transduction in Bacillus pumilus. Bramucci MG, et al. **J Bacteriol** 127(2):829–31, Aug 76

Isolation of a lambda transducing bacteriophage carrying the relA gene of Escherichia coli. Friesen JD, et al. **J Bacteriol** 127(2):917–22, Aug 76

Novel genotypes among transductants made with bacteriophage P1 lysates from an F14 merogenote strain of Escherichia coli K-12. Hendrickson ER, et al. **J Bacteriol** 127(1):392–405, Jul 76

Isolation and characterization of the specialized transducing bacteriophages phi80dargF and lambdah80cI857 dargF: specific cleavage of arginine transducing deoxyribonucleic acid by the endonucleases EcoRI and SmaR. James PM, et al. **J Bacteriol** 126(1):487–500, Apr 76

Specialized transduction of D-serine deaminase genes: formation of lysogens that yield high lambda-d dsd/lambda ratios and formation of a dimeric lambda-d dsd. Palchaudhuri S, et al. **J Bacteriol** 127(2):998–1014, Aug 76

Transduction of chromosomal genes between enteric bacteria by bacteriophage P1. Tyler BM, et al. **J Bacteriol** 125(3):1105–11, Mar 76

Isolation and examination of transducing bacteriophage particles from Streptococcus lactis C2. Klaenhammer TR, et al. **J Dairy Sci** 59(3):396–404, Mar 76

Transduction of bacteriocin determinants in group A streptococci. Tagg JR, et al. **J Exp Med** 143(6):1540–4, 1 Jun 76

Transduction of a Proteus vulgaris strain by a Proteus mirabilis bacteriophage. Coetzee JN. **J Gen Microbiol** 89(2):299–309, Aug 75

Transduction of leucine auxotrophs of Proteus mirabilis to prototrophy or antibiotic resistance by P. mirabilis high frequency transducing bacteriophages. Coetzee JN, et al. **J Gen Microbiol** 92(2):369–74, Feb 76

Intra-species tranduction with Proteus mirabilis high frequency transducing phages. Coetzee JN. **J Gen Microbiol** 93(1):153–65, Mar 76

Specialized transduction of a leucine marker by Proteus mirabilis phage 5006M. Krizsanovich-Williams K. **J Gen Microbiol** 91(1):213–6, Nov 75

Analysis of the regulation of Escherichia coli alkaline phosphatase synthesis using deletions and phi80 transducing phages. Brickman E, et al. **J Mol Biol** 96(2):307–16, 5 Aug 75

Transposition and fusion of the lac genes to selected promoters in Escherichia coli using bacteriophage lambda and Mu. Casadaban MJ. **J Mol Biol** 104(3):541–55, 5 Jul 76

Bacteriophage Mu-1: a tool to transpose and to localize bacterial genes. Faelen M, et al. **J Mol Biol** 104(3):525–39, 5 Jul 76

Directed integration of bacteriophage lambda in an F lac transposition Hfr strain of Escherichia coli: isolation and characterization of specialized transducing phages for the phenylalanine and tyrosine operons. Zurawski G, et al. **J Mol Biol** 102(2):311–24, 5 Apr 76

Characterization of transduction by bacteriophage T1: time of production and density of transducing particles. Kylberg KJ, et al. **J Urol** 16(4):854–8, Oct 75

Thymineless bacteriophage induction in Staphylococcus aureus. II. Specific transduction of constitutive and inducible erythromycin resistance. Lindberg M, et al. **J Virol** 16(6):1367–74, Dec 75

Thymineless bacteriophage induction in Staphylococcus aureus. I. High-frequency transduction with lysates containing a bacteriophage related to bacteriophage phi 11. Rudin L, et al. **J Virol** 16(6):1357–66, Dec 75

Excision and duplication of su3+-transducing fragments carried by bacteriophage phi 80. I. Novel structure of phi 80sus2psu3+ DNA molecule. Yamagishi H, et al. **J Virol** 18(3):1016–23, Jun 76

The construction in vitro of transducing derivatives of phage lambda. Borck K, et al. **Mol Gen Genet** 146(2):199–207, 23 Jul 76

Isolation and characterization of lambdadargECBH transducing phages and heteroduplex analysis of the argECBH cluster. Mazaitis AJ, et al. **Mol Gen Genet** 143(2):185–96, 16 Jan 76

Transduction by phage P1CM clr-100 in Salmonella typhimurium. Mojica T. **Mol Gen Genet** 138(2):113–26, 1975

Escherichia coli mutants uvr D and uvr E deficient in gene conversion of lambda-heteroduplexes. Nevers P, et al. **Mol Gen Genet** 139(3):233–43, 27 Aug 75

Appearance of transducing particles and the fate of host DNA after infection of Salmonella typhimurium with

P22-mutants with increased transducing ability (HT-mutants). Schmieger H, et al. **Mol Gen Genet** 140(2):111-22, 29 Sep 75

Altered cotransduction frequencies exhibited by HT-mutants of Salmonella-phage P22. Schmieger H, et al. **Mol Gen Genet** 143(3):307-9, 2 Feb 76

A simple method for making new transducing lines of coliphage lambda. Schrenk WJ, et al. **Mol Gen Genet** 137(2):101-7, 1975

A molecular analysis of transductional marker resuce involving P-group plasmids in Pseudomonas aeruginosa. Stanisich VA, et al. **Mol Gen Genet** 143(3):333-7, 2 Feb 76

Genetic transfer of nitrogenase-hydrogenase activity in Rhodopseudomonas capsulata. Wall JD, et al. **Nature** 258(5536):630-1, 18 Dec 75

Gene transfer to human cells: transducing phage lambda plac gene expression in GMI-gangliosidosis fibroblasts. Horst J, et al. **Proc Natl Acad Sci USA** 72(9):3531-5, Sep 75

The genetics of mycobacteria and mycobacteriophages - a review. Grange JM. **Tubercle** 56(3):227-38, Sep 75 (85 ref.)

Transduction of a streptomycin R-factor from Mycobacterium smegmatis to Mycobacterium tuberculosis H37Rv. Jones WD Jr, et al. **Tubercle** 55(1):73-80, Mar 74

A bacteriophage S1 derivative that transduces tetracycline resistance to Staphylococcus aureus. Inoue M, et al. **Virology** 68(2):544-6, Dec 75

Specialized transduction of recA by bacteriophage lambda. McEntee K. **Virology** 70(1):221-2, Mar 76

Plaque-forming transducing bacteriophage P1 derivatives and their behaviour in lysogenic conditions. Mise K, et al. **Virology** 69(1):191-205, Jan 76

Specialized transduction of pro genes by coliphage P1: structure of a partly diploid P1-pro prophage. Rosner JL. **Virology** 67(1):42-55, Sep 75

Specialized transduction of pro genes by coliphage P1: structure of a partly diploid P1-pro prophage. Rosner JL. **Virology** 67(1):42-55, Sep 75

Transfer of a plasmid mediating antibiotic resistance between strains of Streptococcus pyogenes in mixed cultures. Malke H. **Z Allg Mikrobiol** 15(8):645-9, 1975

Bacteriophage P13234mo-mediated intra- and intergroup transduction of antibiotic resistance among streptococci. Malke H, et al. **Zentraibl Bakteriol [Orig A]** 233(1):24-34, Sep 75

[Transduction mechanisms by bacteriophage phi 80 of Escherichia coli] Gratia JP. **Arch Biol (Liege)** 86(1):1-44, 1975 (Eng. Abstr.) **(Fre)**

[Transduction of resistance genes of P1CM and PITC phages caused by P22 phage] Mitsugase K. **Jpn J Bacteriol** 30(1):243, Jan 75 **(Jpn)**

Transduction of various R factors by Plkc phage] Shenderov BA. **Antibiotiki** 20(5):451-6, May 75 (Eng. Abstr.) **(Rus)**

[Transmissive drug resistance and the colicinogenicity of E. coli strains isolated from piglets] Zav'iantsev VE. **Antibiotiki** 21(6):530-2, Jun 76 **(Rus)**

[Transduction of streptomycin resistance in group A streptococci by virulent streptococcal phage CA1] Zal'tsman LG. **Zh Mikrobiol Epidemiol Immunobiol** (11):27-31, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Suppresion of the R-factor transduction transmission of antibiotic resistance markers in E. coli by distamycin A] Antsiferova NG, et al. **Antibiotiki** 20(12):1091-4, 1975 (Eng. Abstr.) **(Rus)**

[Transduction transmission of the extrachromosomal markers of antibiotic resistance in staphylococcal populations] Voropaeva SD, et al. **Antibiotiki** 21(6):527-30, Jun 76 (Eng. Abstr.) **(Rus)**

[Specific and nonspecific factors that influence the transduction of genetic determinants for penicillinase activity and pathogenicity in Staphylococcus aureus. III. The prevention of the transduction of penicillinase determinants by acridine derivatives] Shraer DP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):103-6, Sep 75 (Eng. Abstr.) **(Rus)**

TRANSFECTION see **TRANSFORMATION, GENETIC**

TRANSFER (PSYCHOLOGY)

Transfer of categorial clustering set in mildly retarded adolescents. Bilsky LH. **Am J Ment Defic** 80(6):588-94, May 76

Effects of stimulus familiarity on the rehearsal strategies transfer mechanism in retarded and nonretarded individuals. Dugas J. **Am J Ment Defic** 80(3):349-56, Nov 75

Transfer as a result of synthetic and analytic reading instruction. Vandever TR, et al. **Am J Ment Defic** 80(5):498-503, Mar 76

Long-term transfer of a mediational strategy by moderately retarded children. Wanschura PB, et al. **Am J Ment Defic** 80(3):323-33, Nov 75

The effects of crowding under different rearing conditions on emotionality and transfer of perceptual learning. Levitt L, et al. **Behav Biol** 15(1):65-72, Sep 75

Failure of Sprague-Dawley rats to transfer taste-aversions or preferences by odor-marking the spout. Parker LA, et al. **Behav Biol** 15(3):383-7, Nov 75

Intermanual transfer in the monkey as a function of amount of callosal sparing. Hunter M, et al. **Brain Res** 93(2):223-40, 8 Aug 75

Transfer of training between the hands in a split-brain monkey with chronic parietal discharges. Hunter M, et al. **Cortex** 12(1):27-30, Mar 76

Transfer and maintenance of behavior change in children: a review and suggestions. pp. 119-59. Conway JB, et al. **In: Mash EJ, et al., ed. Behavior modification and families. New York, Brunner/Mazel, 1976. W3 BA203 1974b.** (138 ref.)

Cross-modal facilitation of response in behavioral audiometry with children. St. James-Roberts I. **J Am Audiol Soc** 1(3):119-25, Nov-Dec 75

Transfer of stimulus control from motor to verbal stimuli. Striefel S, et al. **J Appl Behav Anal** 7(1):123-35, Spring 74

Attitudes, self-esteem, and learning in formal and informal schools. Groobman DE, et al. **J Educ Psychol** 68(1):32-5, Feb 76

Transfer of hue matching in pigeons. Urcuioli PJ, et al. **J Exp Anal Behav** 24(2):149-55, Sep 75

Simultaneous and successive discrimination of similar letters: comparison of training techniques and transfer effects. Ralls EM, et al. **J Psychol** 90(Second Half):171-7, Jul 75

Intermanual transfer of tactile training in the monkey: the effect of bilateral parieto-prestriate ablations. Hunter M, et al. **Neuropsychologia** 14(3):385-9, 1976

Some tests of intermodality transfer of intensity in squirrel monkeys. Wilson WA Jr, et al. **Neuropsychologia** 14(2):237-41, 1976

Cross modal transfer of a conditional flexion response in dogs. Seraganian P, et al. **Pavlov J Biol Sci** 11(3):162-74, Jul-Sep 76

Characteristics of pentobarbital discrimination in the gerbil: transfer and antagonism. Järbe TU. **Psychopharmacol Bull** 49(1):33-40, 26 Aug 76

DRUG EFFECTS

Information content of rat scotophobin. Miller RR, et al. **Behav Biol** 15(4):463-72, Dec 75

Piracetam-induced facilitation of interhemispheric transfer of visual information in rats. Burešová O, et al. **Psychopharmacologia** 46(1):93-102, 1976

PHYSIOLOGY

Lack of binocularly driven neurones in the Siamese cat's visual cortex does not prevent successful interocular transfer of visual form discriminations. Marzi CA, et al. **Brain Res** 105(2):353-7, 26 Mar 76

TRANSFER FACTOR

Acquisition of tuberculin sensitivity after injection of dialyzable transfer factor in sarcoidosis. Horsmanheimo M, et al. **Ann NY Acad Sci** 278:129-35, 1976

Transfer factor 1975. MacKie RM. **Br J Dermatol** 94(1):107-10, Jan 76 (24 ref.)

Stimulation of lymphocytes by antigen in microplate cultures; absence of an effect of transfer factor in vitro. Ahern T, et al. **Clin Exp Immunol** 23(3):499-506, Mar 76

Schistosoma mansoni: reduction in clinical manifestations and in worm burdens conferred by serum and transfer factor from immune or normal rhesus monkeys. Maddison SE, et al. **Exp Parasitol** 39(1):29-39, Feb 76

Nicotinamide: suppression of lymphocyte transformation with a component identified in human transfer factor. Burger DR, et al. **J Immunol** 117(3):797-801, Sep 76

Letter: Transfer factor in severe atopic disease. Strannegård IL, et al. **Lancet** 2(7937):702, 11 Oct 75

Dialyzable transfer factor. Maddison SE. **South Med J** 68(12):1545-51, Dec 75

Application of transfer factor to clinical immunotherapy. Greco RS. **Surg Gynecol Obstet** 142(5):765-78, May 76 (123 ref.)

Phytohaemagglutinin and transfer factor in the leucocyte migration inhibition test in patients with sarcoidosis. Morison WL. **Thorax** 31(1):87-90, Feb 76

Transfer factor preparations: some physico-chemical and biological properties. Reymond JF, et al. **Vox Sang** 29(5):338-51, 1975

Transfer factor in salicylanilide contact allergy. Herman PS. **Z Immunitaetsforsch** 146(2):93-100, Nov 73

[Production of a dialysable transfer factor of cell mediated immunity by lymphoblastoid cells in continuous proliferation] Goust JM, et al. **C R Acad Sci [D] (Paris)** 280(3):371-4, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Transfer factor--a preliminary report] Frey-Wettstein M, et al. **Schweiz Med Wochenschr** 105(51):1794-6, 20 Dec 75 (Eng. Abstr.) **(Ger)**

[The current state of the problem of the nature and mechanism of action of 'transfer factor'] Sakharov PP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):10-6, May 76 (83 ref.) **(Rus)**

ANALYSIS

Characterization of human dialyzable transfer factor from normal and chronic lymphoid leukemia sources. Goust JM, et al. **Biomedicine** 24(1):39-44, Jan 76

The identification and significance of hypoxanthine in dialyzable transfer factor. Kirkpatrick CH, et al. **Cell Immunol** 24(2):230-40, 15 Jun 76

Identification of hypoxanthine as the major compoenet of a chromatographic fraction of transfer factor. O'Dorisio MS, et al. **Cell Immunol** 23(2):191-202, May 76

Transfer factor: biological properties. pp. 371-6. Gottlieb AA. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.**

Letter: Uracil in transfer factor. Krohn KJ, et al. **Lancet** 2(7946):1209, 13 Dec 75

BIOSYNTHESIS

In vitro production of a transfer factor specific for transitional-cell carcinoma of the bladder. Pizza G, et al. **Br J Cancer** 33(6):606-11, Jun 76

IMMUNOLOGY

Transfer factor--a new form for immunotherapy. Hanson LA. **Acta Med Scand** 198(1-2):1-3, Jul-Aug 75

Transfer factor. Baram P. **Ill Med J** 149(5):448-52, 484, May 76

Letter: Specificity of transfer factor. Arala-Chaves MP, et al. **Nature** 262(5564):155-6, 8 Jul 76

Letter: Specificity of transfer factor. Salaman MR, et al. **Nature** 259(5540):250, 22 Jan 76

Transfer factor - hypotheses for its structure and function. Shifrine M, et al. **Oncology** 32(5-6):269-74, 1975

Guinea pig transfer factor-like activity detected in vitro. Dunnick W, et al. **Proc Natl Acad Sci USA** 72(11):4573-6, Nov 75

ISOLATION & PURIFICATION

Preparation of human transfer factor: a time-saving modification for preparing dialyzable transfer factor. Burger DR, et al. **Cell Immunol** 14(2):332-3, Nov 74

Transfer factor: hypoxanthine is a major component of a fraction with in vivo activity. Tomar RH, et al. **J Allergy Clin Immunol** 58(1 PT. 2):190-7, Jul 76

[The preparation and characterization of transfer factor (author's transl)] Schröder I, et al. **Z Immunitaetsforsch** 149(5):365-71, Jul 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Inhibitory activity of medium-dialyzed transfer factor on lymphocyte blastogenesis. Mueller-Eckhardt C, et al. **Blut** 32(5):353-60, May 76

The effect of transfer factor on the in vitro migration of tuberculin stimulated white cells from sarcoid and normal subjects. Park JR, et al. **Br J Dermatol** 92(5):535-40, May 75

In vivo transfer of cellular immunity to primates with transfer factor prepared from human or primate leucocytes. Steele RW, et al. **Cell Immunol** 22(1):110-20, 1 Mar 76

Preliminary studies on human 'transfer factor' activity in guinea pigs. Systemic transfer of cutaneous delayed-type hypersensitivity to PPD and SKSD. Welch TM, et al. **Clin Immunol Immunopathol** 5(3):407-15, May 76

Stimulation of monocyte cGMP by leukocyte dialysates. An antigen-independent property of dialyzable transfer factor. Sandler JA, et al. **J Clin Invest** 56(5):1271-9, Nov 75

Requirement of precommitted cells as targets for the augmentation of lymphocyte proliferation by leukocyte dialysates. Cohen L, et al. **J Exp Med** 143(4):791-804, 1 Apr 76

Human transfer factor: effects on lymphocyte transformation. Burger DR, et al. **J Immunol** 117(3):782-8, Sep 76

Letter: Transfer factor in Hodgkin's disease. Thornes RD, et al. **Lancet** 2(7944):1101, 29 Nov 75

PHYSIOLOGY

Human transfer factor: fractionation and biologic activity. Burger DR, et al. **J Immunol** 117(3):789-96, Sep 76

THERAPEUTIC USE

Transfer factor as an additional therapeutic agent in mycosis fungoides. Zachariae H, et al. **Acta Allergol (Kbh)** 30(5):272-85, Nov 75

Transfer factor, sarcoidosis and cellular immunity. Platz P, et al. **Acta Pathol Microbiol Scand [C]** 84(1):68-70, Feb 76

Therapy for disseminated coccidioidomycosis with transfer factor from a related donor. Steele RW, et al. **Am J Med** 61(2):283-6, Aug 76

Increase in E-rosettes after transfer factor (TF) treatment: fractionation of TF. Khan A, et al. **Ann Allergy** 36(5):330-6, May 76

Chronic pulmonary histoplasmosis: improved lymphocyte response with transfer factor. Smith CR, et al. **Ann Intern Med** 84(6):708-9, Jun 76

Human transfer factor in the treatment of guinea pig keratitis. Smolin G, et al. **Ann Ophthalmol** 8(4):427-32, Apr 76

Treatment of papillomatosis of the larynx with transfer factor. Quick CA, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):607-13, Sep-Oct 75

Transfer factor: Potential for therapy of malignant diseases. Neidhart JA, et al. **Arch Otolaryngol** 101(11):664-6, Nov 75

Treatment of chronic muco-cutaneous candidiasis by lymphocyte transfer factor. Jose DG. **Aust NZ J Med** 5(4):318-23, Aug 75

'Transfer factor' therapy in infectious diseases. Scalise G. **Boll Ist Sieroter Milan** 54(6):502-5, 1975

Chronic mucocutaneous candidiasis treated with transfer factor. Sousa MD, et al. **Br J Dermatol** 94(1):79–83, Jan 76

The effect of transfer factor on neutrophil function in chronic mucocutaneous candidiasis. Lawton JW, et al. **Br J Haematol** 33(1):137–42, May 76

Cell–mediated immunity and transfer factor in Crohn's disease. Ng RP, et al. **Br Med J** 2(6027):87–8, 10 Jul 76

Improvement in delayed hypersensitivity in Hodgkin's disease with transfer factor: lymphapheresis and cellular immune reactions or normal donors. Khan A, et al. **Cancer** 36(1):86–9, Jul 75

Transfer factor therapy in patients with cancer. Vetto RM, et al. **Cancer** 37(1):90–7, Jan 76

In vivo and in vitro studies of immunotherapy of nasopharyngeal carcinoma with transfer factor. Goldenberg GJ, et al. **Cancer Res** 36(2 pt 2):720–3, Feb 76

Report of a patient with T–cell deficiency and normal B–cell function: a new immunodeficiency disease with response to transfer factor. Ballow M, et al. **Cell Immunol** 19(2):219–29, Oct 75

Therapy of cytomegalovirus retinitis with transfer factor. Rytel MW, et al. **Cell Immunol** 19(1):8–21, Sep 75

Combined immunotherapy in malignant melanoma. Regression of metastatic lesions in two patients concordant in timing with systemic administration of transfer factor and Bacillus Calmette–Guérin. Spitler LE, et al. **Cell Immunol** 21(1):1–19, Jan 76

Reconstitution of defective cellular immunity with foetal thymus and dialysable transfer factor. Long–term studies in a patient with chronic mucocutaneous candidiasis. Kirkpatrick CH, et al. **Clin Exp Immunol** 23(3):414–28, Mar 76

Randomized trial of transfer factor treatment of human warts. Stevens DA, et al. **Clin Exp Immunol** 21(3):520–4, Sep 75

Restoration of T–lymphocyte deficiency with dialysable leucocyte extract. Valdimarsson H, et al. **Clin Exp Immunol** 16(2):141–51, Feb 74

Fine structure of lymphocytes from an immune deficient child before and after administration of transfer factor. Criswell BS, et al. **Exp Hematol** 3(5):327–35, Sep 75

Proceedings: Transfer factor in the treatment of Crohn's disease. Asquith P, et al. **Gut** 16(10):832, Oct 75

Proceedings: The effect of lymphocytic transfer factor on hepatitis B surface antigen–positive chronic liver disease. Jain S, et al. **Gut** 16(10):836, Oct 75

Transfer factor: innunodeficiencies. Transfer factor in immunodeficiencies: one man's one–eyed perspective. pp. 215–21. Fudenberg HH.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.5.

Transfer factor, clinical application. pp. 377–82. Valdimarsson H.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.5.

Infectious 'self + X' mosaics: an invitation to autoimmunity with potential for restoration by transfer factor. pp. 563–77. Lawrence HS.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (59 ref.)

Preliminary experience of transfer factor in rheumatoid arthritis: clinical and immunological studies. pp. 579–89. Maini RN, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (24 ref.)

A therapeutic pilot study utilizing immunopotentiation with transfer factor in the treatment of juvenile rheumatoid arthritis. pp. 591–5. Natvig JB, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (20 ref.)

Preliminary results on the safety and efficacy of transfer factor in leprosy. Hastings RC, et al. **Int J Lepr** 44(1–2):275, Jan–Jun 76

Passive transfer of immunity into leprosy patients by transfusion of lymphocytes and by transfusion of Lawrence's transfer factor. Saha K, et al. **J Clin Microbiol** 1(3):279–88, Mar 75

Transfer factor therapy in patients with subacute sclerosing panencephalitis. Käckell YM, et al. **J Neurol** 211(1):39–49, 2 Dec 75

Letter: Transfer factor in multiple sclerosis. **Lancet** 2(7976):99–100, 10 Jul 76

Letter: Transfer factor in atopic disease. Alonso A. **Lancet** 1(7973):1352, 19 Jun 76

Letter: Transfer factor and cell–mediated immunity in urinary–tract infections in children. Anttila R, et al. **Lancet** 1(7954):315, 7 Feb 76

Transfer–factor therapy in multiple sclerosis. Behan PO, et al. **Lancet** 1(7967):988–9, 8 May 76

Letter: Transfer factor in multiple sclerosis. Behan PO. **Lancet** 2(7979):258, 31 Jul 76

Therapy with parent's lymphocyte transfer factor in children with infection and malnutrition. Jose DG, et al. **Lancet** 1(7954):263–6, 7 Feb 76

Transfer factor in Hodgkin's disease. Ng RP, et al. **Lancet** 2(7941):901–3, 8 Nov 75

Letter: Transfer factor therapy in multiple sclerosis. Poser CM. **Lancet** 1(7973):1352–3, 19 Jun 76

Transfer factor: a potential agent for cancer therapy. LoBuglio AF, et al. **Med Clin North Am** 60(3):585–90, May 76 (29 ref.)

Letter: Failure of transfer–factor therapy in chronic active type B hepatitis. Jain S, et al. **N Engl J Med** 295(9):504, 26 Aug 76

Letter: Transfer factor in treating hepatitis B (cont.). Shulman ST, et al. **N Engl J Med** 295(16):898, 14 Oct 76

Failure to transfer–factor therapy in chronic active type B hepatitis. Tong MJ, et al. **N Engl J Med** 295(4):209–11, 22 Jul 76

The use of transfer factor in a patient with agammaglobulinemia. Zaldivar NM, et al. **Pediatr Res** 9(6):541–7, Jun 75

Transfer factor treatment of patients with multuple sclerosis. I. Preliminary report of changes in immunological parameters. Jersild C, et al. **Scand J Immunol** 5(1–2):141–8, 1976

Editorial: Transfer factor therapy: current status. Levin AS. **South Med J** 68(12):1465–7, Dec 75

Passive transfer of immunity in human Schistosomiasis mansoni: effect of transfer factor on early established infections. Warren KS, et al. **Trans R Soc Trop Med Hyg** 69(5–6):488–93, 1975

[First experience with transfer factor therapy in chronic mucocutaneous candida mycosis] Westphal HJ, et al. **Dermatol Monatsschr** 162(2):124–8, Feb 76 **(Ger)**

[A case of chronic candidiasis treated with transfer factor] Nékám K, et al. **Fogorv Sz** 68(12):369–72, Dec 75 **(Hun)**

[Personal experiences of immunotherapy using the transfer factor] D'Amelio R, et al. **Minerva Med** 67(24):1613–6, 12 May 76 (Eng. Abstr.) **(Ita)**

[Treatment of immunologic deficiency conditions by means of transfer factor] Kobielowa Z. **Pediatr Pol** 50(11):1393–7, Nov 75 (32 ref.) **(Pol)**

[A case of chronic muco–cutaneous candidiasis] Da Cruz Sobral F, et al. **Med Cutan Iber Lat Am** (1):41–7, 1974 (Eng. Abstr.) **(Por)**

[Treatment of candidasis granuloma with 'transfer factor'] Escudero Gil R, et al. **Actas Dermosifiliogr** 67(7–8):589–98, Jul–Aug 76 (Eng. Abstr.) **(Spa)**

[Chronic mucocutaneous candidiasis. Transfer factor and iron metabolism] De Moragas Viñas JM, et al. **Med Cutan Iber Lat Am** 2(3):183–92, 1974 (Eng. Abstr.) **(Spa)**

TRANSFERASES

Formiminotransferase–cyclodeaminase from procine liver. Purification and physical properties of the enzyme complex. Drury EJ, et al. **Arch Biochem Biophys** 169(2):662–8, Aug 75

Half–of–the–sites activity of transaldolase: titration of the active site and characteristics of the slow reaction catalyzed by the second subunit. Tsolas O, et al. **Arch Biochem Biophys** 173(2):577–85, Apr 76

Stereochemistry of propionyl–coenzyme A and pyruvate carboxylations catalyzed by transcarboxylase. Cheung YF, et al. **Biochemistry** 14(13):2981–6, Jul 75

Magnetic resonance studies of the proximity and spatial arrangement of propionyl coenzyme A and pyruvate on a biotin–metalloenzyme, transcarboxylase. Fung CH, et al. **Biochemistry** 15(1):85–92, 13 Jan 76

1H and 31P Fourier transform magnetic resonance studies of the conformation of enzyme–bound propionyl coenzyme A on the transcarboxylase. Fung CH, et al. **Biochemistry** 15(1):75–84, 13 Jan 76

Stains for six enzymes potentially applicable to chromosomal assignment by cell hybridization. Anderson JE, et al. **Birth Defects** 11(3):295–9, 1975

Transcarboxylase: role of biotin, metals, and subunits in the reaction and its quaternary structure. Wood HG, et al. **CRC Crit Rev Biochem** 4(1):47–122, Jun 76 (103 ref.)

Subunit–subunit interactions of transcarboxylase. Wood HG. **Fed Proc** 35(8):1899–907, Jun 76

An inducible riboflavin synthetase from a pseudomonad. Basu SK, et al. **Folia Microbiol (Praha)** 20(2):118–23, 1975

Interaction of riboflavin synthetase with analogues of 6,7–dimethyl–8–ribityllumazine. pp. 101–24. Plaut GW, et al.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

Letter: Prenyltransferase. The mechanism of the reaction. Poulter CD, et al. **J Am Chem Soc** 98(11):3376–7, 26 May 76

Serine transhydroxymethylase isoenzymes from a facultative methylotroph. O'Connor ML, et al. **J Bacteriol** 124(2):985–96, Nov 75

Purification, new assay, and properties of coenzyme A transferase from Peptostreptococcus elsdenii. Tung KK, et al. **J Bacteriol** 124(3):1462–74, Dec 75

Binding of nonsubstrate ligands to the glutathione S–transferases. Ketley JN, et al. **J Biol Chem** 250(22):8670–3, 25 Nov 75

Thiaminases and their effects on animals. Evans WC. **Vitam Horm** 33:467–504, 1975 (141 ref.)

[Methionine adenosyltransferase and transmethylation in fetal and neonatal lung of the human, monkey, and rabbit (author's transl)] Sternowsky HJ, et al. **Z Geburtshilfe Perinatol** 180(2):124–32, Apr 76 (Eng. Abstr.) **(Ger)**

[Research on viral hepatitis in ducks. II. Behavior of some transferases in the amnio–allantoic fluids of normal and infected embryonated eggs] Meduri A, et al. **Boll Soc Ital Biol Sper** 51(12):718–22, 30 Jun 75 **(Ita)**

[Biochemical studies of bovine hydatid fluid. XIX. Determination of some transferases] Palomba E, et al. **Boll Soc Ital Biol Sper** 51(6):380–2, 30 Mar 75 **(Ita)**

ANALYSIS

Intracellular localization of GDP–L–fucose:glycoprotein and CMP–sialic acid: apolipoprotein glycosyltransferases in rat and pork livers. Munro JR, et al. **Arch Biochem Biophys** 169(1):269–77, Jul 75

Active center and subunit structure of transaldolase from Candida utilis. Schutt H, et al. **Arch Biochem Biophys** 169(1):287–97, Jul 75

Glycoprotein biosynthesis in splenic cells. IV. Subcellular localization of glycosyl – transferases. Richard M, et al. **Biochimie** 56(10):1381–5, 1974

ANTAGONISTS & INHIBITORS

Specific irreversible inhibition of enzymes concomitant to the oxidation of carbanionic enzyme–substrate intermediates by hexacyanoferrate (III). Christen P, et al. **Eur J Biochem** 63(1):223–31, 16 Mar 76

BIOSYNTHESIS

Drug induction and sex differences of renal glutathione S–transferases in the rat. Clifton G, et al. **Biochem J** 150(2):259–62, Aug 75

Role of methionine in the regulation of serine hydroxymethyltransferase in Eschericia coli. Greene RC, et al. **J Bacteriol** 124(1):269–78, Oct 75

Transcriptional control of T4 coliphage–specific genes 30, 42, 43, rIIA, rIIB, and e. Witmer H, et al. **J Gen Virol** 31(3):289–302, Jun 76

Intragenic complementation by gene 42 amber mutations of bacteriophage T4. Holmes GE. **J Urol** 16(4):1085–9, Oct 75

Bacteriophage T3 and T7 early RNAs are translated by eukaryotic 80S ribosomes: active phage T3 coded S–adenosylmethionine cleaving enzyme is synthesized. Anderson CW, et al. **Proc Natl Acad Sci USA** 73(8):2752–6, Aug 76

BLOOD

Serum enzyme levels in anaesthetic personnel. Bardzik J, et al. **Anaesth Resusc Intensive Ther** 3(4):291–5, Oct–Dec 75

The serum sialyltransferase activity in alpha 1–antitrypsin deficiency. Eriksson S, et al. **Biochim Biophys Acta** 445(1):67–73, 12 Aug 76

Serum sialyltransferase activity in alpha1–antitrypsin deficiency and hepatic cirrhosis. pp. 415–28. Kuhlenschmidt MS, et al.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.

CLASSIFICATION

Proposal for a rational nomenclature for phenotype, genotype and aminoglycoside–aminocyclitol modifying enzymes. pp. 115–9. Mitsuhashi S.
In: Mitsuhashi S, et al., ed. Drug–inactivating enzymes and antibiotic resistance. Prague, Avicenum, 1975. W3 IN916ADI 1974d.

ISOLATION & PURIFICATION

Purification and characterization of two glutathione S–aryltransferase activities from rat liver. Askelöf P, et al. **Biochem J** 147(3):513–22, Jun 75

Dihydropteroate synthase: purification by affinity chromatography and mechanism of action. pp. 73–83. Suckling CJ, et al.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

The purification of riboflavin synthetase by affinity chromatography using 7–oxolumazines. pp. 93–9. Wrigglesworth R, et al.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

Novel type of murein transglycosylase in Escherichia coli. Höltje JV, et al. **J Bacteriol** 124(3):1067–76, Dec 75

The serine hydroxymethyltransferase of Plasmodium lophurae. Platzer EG, et al. **J Protozool** 23(2):282–6, May 76

[IMP–cyclohydrolase/transformylase from ehrlich–ascites carcinoma (author's transl)] Geiger R, et al. **Hoppe Seylers Z Physiol Chem** 356(6):819–25, Jun 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Non–specific acetyl–CoA carboxylase and methylmalonyl–CoA carboxyltransferase in Streptomyces noursei var. polifungini. Rafalski A, et al. **Acta Biochim Pol** 22(4):311–7, 1975

R–factor–mediated resistance to sulfonamides by a plasmid–borne, drug–resistant dihydropteroate synthase. Sköld O. **Antimicrob Agents Chemother** 9(1):49–54, Jan 76

J–Hydroxybenzoate: polyprenyl transferase and the prenylation of 4–aminobenzoate in mammalian tissues. Alam SS, et al. **Arch Biochem Biophys** 171(1):183–90, Nov 75

Lactobacillus plantarum undecaprenyl pyrophosphate

synthetase: purification and reaction requirements. Allen CM, et al. **Arch Biochem Biophys** 175(1):236–48, Jul 76

Butyrate-induced glycolipid biosynthesis in HeLa cells: properties of the induced sialyltransferase. Fishman PH, et al. **Arch Biochem Biophys** 172(2):618–26, Feb 76

Serine transhydroxymethylase: mechanism of aldolase activation by folate. Jones CW 3d, et al. **Arch Biochem Biophys** 174(1):305–11, May 76

Sialyltransferase in fetal tissues: incorporation of sialic acid into endogenous and exogenous glycoprotein acceptors. Madappally MM, et al. **Arch Biochem Biophys** 173(1):1–10, Mar 76

Effect of ovarian hormones on glycosyltransferase activities in the endometrium of ovariectomized rats. Nelson JD, et al. **Arch Biochem Biophys** 169(1):181–91, Jul 75

Assay and properties of glutathione-S-benzo(a)pyrene-4,5-oxide transferase. Nemoto N, et al. **Arch Biochem Biophys** 170(2):739–42, Oct 75

Abnormal methionine adenosyltransferase in hypermethioninemia. Finkelstein JD, et al. **Biochem Biophys Res Commun** 66(4):1491–7, 27 Oct 75

Cytochrome P450 as an oxene transferase. Lichtenberger F, et al. **Biochem Biophys Res Commun** 70(3):939–46, 7 Jun 76

Ectoglycosyltransferase activity in suspensions and monolayers of cultured fibroblasts. Patt LM, et al. **Biochem Biophys Res Commun** 67(1):483–90, 3 Nov 75

Kaurene synthetase from plastids of developing plant tissues. Simcox PD, et al. **Biochem Biophys Res Commun** 66(1):166–72, 2 Sep 75

Glycosyltransferases in human respiratory tissue. Alterations in subjects with hypersecretion of mucus. Baker AP, et al. **Biochem Med** 14(1):42–50, Sep 75

Intramitochondrial localization and proposed metabolic significance of serine transhydroxymethylase. Cybulski RL, et al. **Biochemistry** 15(15):3183–7, 27 Jul 76

Prenyltransferase: the mechanism of the reaction. Poulter CD, et al. **Biochemistry** 15(5):1079–83, 9 Mar 76

Substrate Binding of avian liver prenyltransferase. Reed BC, et al. **Biochemistry** 15(17):3739–45, 24 AUG 76

Biosynthesis of bacterial menaquinones: the membrane-associated 1,4-dihydroxy-2-naphthoate octaprenyltransferase of Escherichia coli. Shineberg B, et al. **Biochemistry** 15(13):2754–8, 29 Jun 76

Kinetic mechanism of formininotransferase from porcine liver. Beaudet R, et al. **Biochim Biophys Acta** 410(2):252–61, 18 Dec 75

Cytidine-5'-monophospho-N-acetylneuraminic acid galactosyl-N-acetylgalactosaminyl-(N-acetylneuraminyl) sialyltransferase in the neurohypophysis of the rabbit. Clarke JT, et al. **Biochim Biophys Acta** 441(1):146–54, 20 Jul 76

Kinetic consequences of a slow substrate binding step in group transferases. Interpretation of product inhibition experiments. Himoe A. **Biochim Biophys Acta** 429(3):720–41, 13 May 76

Cytidine-5'-monophosphate-N-acetylneuraminic acid. Asialoglycoprotein sialic acid transferase activity in liver and serum of patients with juvenile hepatic cirrhosis and alpha-1-antitrypsin deficiency. Kuhlenschmidt MS, et al. **Biochim Biophys Acta** 429(2):359–73, 8 Apr 76

The effect of temperature on the galactosyl- and sialyltransferases and on the ultrastructure of Golgi membranes. Mitranic M, et al. **Biochim Biophys Acta** 443(2):190–7, 16 Aug 76

Cell surface glycosyltransferases. Shur BD, et al. **Biochim Biophys Acta** 415(4):473–512, 29 Dec 75 (124 ref.)

Cell surface sialoglycopeptide metabolism and surface glycosyl transferase activity in the Ehrlich ascites cell. Irwin D, et al. **Can J Biochem** 53(8):895–902, Aug 75

alpha-Naphthoflavone activation of 6-hydroxymethylbenzo(alpha)pyrene synthetase. Sloane NH. **Cancer Res** 35(12):3731–4, Dec 75

Oxidative metabolism of aflatoxin B1: observations on the formation of epoxide-glutathione conjugate. Raj HG, et al. **Chem Biol Interact** 11(4):301–5, Oct 75

Effects of differentiated membranes on the developmental program of the cellular slime mold. Tuchman J, et al. **Dev Biol** 51(1):77–85, 1 Jul 76

A comprehensive study of in vitro drug metabolism in several laboratory species. Litterst CL, et al. **Drug Metab Dispos** 4(3):203–7, May–Jun 76

Regulation of enzymes of serine and one-carbon metabolism by testosterone in rat prostate, liver, and kidney. Sanborn TA, et al. **Endocrinology** 97(4):1000–7, Oct 75

Glutathione S-aryltransferase as a model for the glutathione S-transferases. Clark AG, et al. **Environ Qual Saf [Suppl]** 3:346–50, 1975 (21 ref.)

A comparison of the ATP: L-methionine-S-adenosyltransferase of rat cerebral cortex and cerebellum. Diez Altares MC, et al. **Enzyme** 21(1):53–65, 1976

Regulation of rat-liver glycoprotein: N-acetylneuraminic acid transferase activity by pyrimidine nucleotides. Bernacki RJ. **Eur J Biochem** 58(2):477–81, 15 Oct 75

Two forms of serine transhydroxymethylase, one absent in a thymidylate-less mutant in Saccharomyces cerevisiae. Zelikson R, et al. **Eur J Biochem** 64(1):7–13, 15 Apr 76

Absence of a ping-pong pathway in the kinetic mechanism of glutathione S-transferase A from rat liver. Evidence based on quantitative comparison of the asymptotic properties of experimental data and alternative rat equations. Mannervik B, et al. **FEBS Lett** 56(2):218–21, 15 Aug 75

Stimulation of liver microsomal sialyltransferase activity by lysolecithin. Shier WT, et al. **FEBS Lett** 62(2):165–8, 15 Feb 76

tTNA isopentenyltransferase from Lactobacillus acidophilus ATCC 4963. Holtz J, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1459–64, Sep 75

Methionine adenosyltransferase: development and deficiency in the human. pp. 11–23. Gaull GE. **In: Hommes FA, Van den Berg CJ, ed. Normal and pathological development of energy metabolism. London, Academic Press, 1975. WD 205 N842 1974.** (42 ref.)

Sialoglycoprotein biosynthesis in the developing rat brain. pp. 1053–7. Van den Eijnden DH, et al. **In: Méthodologie de la structure et du métabolisme des glycoconjugés (glycoprotéines et glycolipides). Vol 2. Paris, Centre National de la Recherche Scientifique, 1974. W3 SY3915 1973m.**

Studies on membraneous and nuclear glycosyltransferases in dictyostelium cells during differentiation. pp. 772–91. Rogge H, et al. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Kinetic studies of Escherichia coli dihydropteroate synthetase. pp. 61–71. Ferone R, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Enzymes in Wuchereia bancrofti. Govindwar SL, et al. **Indian J Biochem Biophys** 11(4):338–9, Dec 74

Hepatic bromsulphthalein glutathione conjugating enzyme in amoebic liver abscess. Datta DV, et al. **Indian J Med Res** 62(12):1897–901, Dec 74

Letter: Enzymatic cyclization of (R,S)-14,15-oxidogeranylgeranyl pyrophosphate to 3alpha- and 3beta-hydroxykaurene. Coats RM, et al. **J Am Chem Soc** 98(15):4659–61, 21 Jul 76

Comparative specificity of geranylgeranyl pyrophosphate synthetase of Micrococcus lysodeikticus and pumpkin. Shinka T, et al. **J Biochem (Tokyo)** 78(6):1177–81, Dec 75

Oxidation of the carbanion intermediate of transaldolase by hexacyanoferrate (III). Christen P, et al. **J Biol Chem** 251(14):4220–3, 25 Jul 76

Intermolecular tritium transfer in the transcarboxylase reaction. Rose IA, et al. **J Biol Chem** 251(3):902–4, 10 Feb 76

Chondroitin sulfate glycosyltransferases in cultured chondrocytes. Turnover, oscillatory change during growth, and suppression by 5-bromodeoxyuridine. Schwartz NB. **J Biol Chem** 251(11):3346–51, 10 Jun 76

Ketopantoate hydroxymethyltransferase. I. Purification and role in pantothenate biosynthesis. Teller JH, et al. **J Biol Chem** 251(12):3780–5, 25 Jun 76

Studies on the regulation of the three enzymes of the Leloir pathway in cultured mammalian cells. II. A search for quantitative interrelationships between the three enzyme activities. Stern ES, et al. **J Cell Physiol** 86(1):105–10, Aug 75

Studies on the regulation of the three enzymes of the Leloir pathway in cultured mammalian cells. I. Effect of substitution of galactose for glucose as the sole hexose in the medium in human diploid cell strains and in a rat hepatoma line. Stern ES, et al. **J Cell Physiol** 86(1):91–104, Aug 75

Reutilization of by-product for riboflavin formation in the riboflavin synthetase reaction. Mitsuda H, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(1):67–70, 1976

Regional changes in [3H]-noradrenaline uptake, catecholamines and catecholamine synthetic and catabolic enzymes in rat brain following neonatal 6-hydroxydopamine treatment. Jonsson G, et al. **Med Biol** 54(4):286–97, Aug 76

Cell surface glycosyl transferase activities in liver cells of developing chicken embryos. Arnold D, et al. **Mol Cell Biochem** 10(2):81–95, 16 Feb 76

The synthesis of S-adenosylmethionine by mutants with defects in S-adenosylmethionine synthetase. Hobson AC. **Mol Gen Genet** 144(1):87–95, 27 Feb 76

Glutathione S-transferase AA from rat liver. Habig WH, et al. **Nahrung** 20(1):710–6, 1976

Quantitative analysis of thiaminase activity in certain fish species. Hirn J, et al. **Nord Vet Med** 27(12):646–8, Dec 75

Methionine adenosyltransferase and transmethylation in fetal and neonatal lung of the human, monkey, and rabbit. Sternowsky HJ, et al. **Pediatr Res** 10(5):545–50, May 76

Effect of long-term hypoxia upon the activity of some enzymes in the brain of rats during early postnatal ontogenesis and in adulthood. Makoc Z, et al. **Physiol Bohemoslov** 25(1):23–9, 1976

Effect of various concentrations of protein in chick diet upon the metabolic enzymes of glycine and serine. Coon CN, et al. **Poult Sci** 54(5):1461–7, Sep 75

Simultaneous initiation of synthesis of bacteriophage T4 DNA and of deoxyribonucleotides. Chiu CS, et al. **Proc Natl Acad Sci USA** 73(3):757–61, Mar 76

Cooperative interactions of tetrahydrofolate with purified pig kidney serine transhydroxymethylase and loss of this cooperativity in L1210 tumors and in tissues of mice bearing these tumors. Kumar PM, et al. **Proc Natl Acad Sci USA** 73(6):1950–3, Jun 76

Effect of concanavalin A on expression of cell surface sialyltransferase activity of mouse thymocytes. Painter RG, et al. **Proc Natl Acad Sci USA** 73(3):837–4, Mar 76

Sulfonamide resistance mechanism in Escherichia coli: R plasmids can determine sulfonamide-resistant dihydropteroate synthases. Wise EM Jr, et al. **Proc Natl Acad Sci USA** 72(7):2621–5, Jul 75

Serum and host liver activities of glycosidases and sialyltransferases in animals bearing transplantable tumors. Bosmann HB, et al. **Res Commun Chem Pathol Pharmacol** 12(3):499–512, Nov 75

Nutritional requirement for 4-aminobenzoate caused by mutation of dihydropteroate synthetase. Rappold H, et al. **Z Naturforsch [C]** 31(5–6):285–7, May–Jun 76

[Contribution to the critical and experimental study of the enzyme content of meconium in the human species] Galerne D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):969–85, Nov–Dec 73 (28 ref.) (Eng. Abstr.) **(Fre)**

[Effect of arterialization of the liver and treatment with uridine-diphospho-glucose on glucuronyl-transferase activity in rats treated with portacaval shunt] Okolicsanyi L, et al. **Boll Soc Ital Biol Sper** 52(7–8):475–9, 30 Apr 76 **(Ita)**

[Prenyltransferase (author's transl)] Ogura K. **J Jpn Biochem Soc** 47(9):808–20, 25 Sep 75 (66 ref.) **(Jpn)**

[Enzymes of carbohydrate metabolism in phototrophic bacteria] Krasil'nikova EN. **Mikrobiologiia** 44(1):5–10, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Determination of the transferase activity of L-asparaginase] Buka MR, et al. **Vopr Med Khim** 21(5):548–52, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Quantitative cytochemical detection of enzymes in cultured cells following infection with Rous virus] Kolodin VI, et al. **Vopr Onkol** 21(9):65–72, 1975 (Eng. Abstr.) **(Rus)**

[Effect of unsaturated fatty acids on the activity of transketolase and transaldolase in rat liver] Mkhitarian VG, et al. **Zh Eksp Klin Med** 15(4):10–6, 1975 **(Rus)**

TRANSFERENCE (PSYCHOLOGY)

Some aspects of interviewing technique and their relationship with the transference. Steiner J. **Br J Med Psychol** 49(1):65–72, Mar 76

The analyst, the transference, and the representational world. Kaplan SM. **Compr Psychiatry** 17(1):47–54, Jan–Feb 76

Transference in a fishbowl: a survey of rural psychoanalysis. Ordway JA. **Compr Psychiatry** 17(1):209–16, Jan–Feb 76

Transference: historico-philosophical note. Pivnicki D. **Confin Psychiatr** 18(4):245–52, 1975

Dynamic psychotherapy in later life. Hiatt H. **Curr Psychiatr Ther** 15:117–22, 1975

Transference in psychotherapy with schizophrenic patients. Gootnick I. **Int J Group Psychother** 25(4):379–88, Oct 75

Transference and culture in a Latino therapy group. Werbin J, et al. **Int J Group Psychother** 25(4):396–401, Oct 75

The analyst's relocation: its effect on the transference--parameter or catalyst. Aarons ZA. **Int J Psychoanal** 56(3):303–19, Aug 75

From fantasy to reality in the transference: a reply to the discussion by Pedro Luzes. Berry N. **Int J Psychoanal** 56(3):365–6, Aug 75

Aspects of the transference resistances in the final stages of psychoanalytic treatment: a reply to the discussion by Gabriel Casuso. Garma A. **Int J Psychoanal** 56(2):241, 1975

Transference: Freud or Klein. A reply to the discussion by Herbert Rosenfeld. Greenson RR. **Int J Psychoanal** 56(2):243, 1975

The formation of the transference: a reply to the discussion by A. Béjarano. Le Guen C. **Int J Psychoanal** 56(3):371–2, Aug 75

The effect on the transference of 'special events' occurring during psychoanalysis. Weiss SS. **Int J Psychoanal** 56(1):69–75, 1975

Self-protections in the narcissistic transference. Giovacchini PL. **Int J Psychoanal Psychother** 4:142–66, 1975

The mirror transference in the psychoanalytic psychotherapy of alcoholism: a case report. Gustafson J. **Int J Psychoanal Psychother** 5:65–85, 1976

Varieties of negative therapeutic reaction and problems of technique. Asch SS. **J Am Psychoanal Assoc** 24(2):383–407, 1976

Forms of idealization in the analytic transference. Gedo JE. **J Am Psychoanal Assoc** 23(3):485–505, 1975

'The Holding Environment' and the therapeutic action of psychoanalysis. Modell AH. **J Am Psychoanal Assoc** 24(2):285–307, 1976

Transference and countertransference. Results of a Berlin research group. Dieckmann H. **J Anal Psychol** 21(1):25–36, Jan 76

Discussion: how long the Tower of Babel? Havens LL. **Proc Am Psychopathol Assoc (64):62–73, 1976**

Transference regression and real experience in the psychoanalytic process. Dewald PA. **Psychoanal Q** 45(2):213–30, Apr 76

The psychoanalytic treatment center as a transference object. Meyerson AT, et al. **Psychoanal Q** 45(2):274–87, Apr 76

Discussions on transference. The treatment situation and technique in child psychoanalysis. Sandler J, et al. **Psychoanal Study Child** 30:409–41, 1975

[Transference in the treatment of 'Mr. E.'. Freud's self-analysis] Rosenblum E. **Psyche (Stuttg)** 29(8):745–55, Aug 75 (Eng. Abstr.) **(Ger)**

TRANSFERRIN

Carbonate: key to transferrin chemistry. Bates GW, et al.

Adv Exp Med Biol 74:400–7, 1976

'Specific' binding of radioiodinated transferrin to polypropylene culture tubes. Phillips JL. **Biochem Biophys Res Commun** 71(3):726–32, 9 Aug 76

Polymorphism of transferrin in carp (Cyprinus carpio L.): genetic determination, isolation, and partial characterization. Valenta M, et al. **Biochem Genet** 14(1–2):27–45, Feb 76

Functional heterogeneity and pH-dependent dissociation properties of human transferrin. Princiotto JV, et al. **Biochim Biophys Acta** 428(3):766–71, 28 May 76

Serum albumin and transferrin protein-energy malnutrition. Their use in the assessment of marginal undernutrition and the prognosis of severe undernutrition. Reeds PJ, et al. **Br J Nutr** 36(2):255–63, Sep 76

Transferrin of the newt Pleurodeles waltlii michah. Isolation and immunological relationship with other vertebrate transferrins. Foucrier J, et al. **Comp Biochem Physiol [B]** 53(4):555–9, 1976

Comparative study on histidine modification by diethylpyrocarbonate in human serotransferrin and lactotransferrin. Krysteva MA, et al. **FEBS Lett** 56(2):337–40, 15 Aug 75

Comparative circular dichroism studies of iron-free and iron-saturated forms of human serotransferrin and lactortransferrin. Mazurier J, et al. **FEBS Lett** 66(2):238–42, 15 Jul 76

Population studies in northern Sweden. VII. Serum transferrin variants as markers of Finnish admixture. Beckman G, et al. **Hereditas** 81(1):63–8, 1975

Studies of haptoglobin and transferrin types in four castes of the Panjab, Northern India. Sunderland E, et al. **Hum Hered** 26(1):16–24, 1976

Studies on the polymorphism of C3, Tf and Bg in Down's syndrome and other diseases. Agarwal DP, et al. **Humangenetik** 29(1):23–8, 29 Aug 75

A comparative study of chemically and enzymatically radioiodinated transferrin. Hemmaplardh D, et al. **Int J Appl Radiat Isot** 27(2):89–92, Feb 76

Cleavage of human serum transferrin with N-bromosuccinimide. Bezkorovainy A, et al. **Int J Pept Protein Res** 8(3):291–3, 1976

Chromosomes, hemoglobins, and transferrins of Iranian domestic sheep. Bunch TD, et al. **J Hered** 67(3):167–70, May–Jun 76

Serum iron and iron binding capacity in protein calorie malnutrition. Chattopadhyay S, et al. **J Indian Med Assoc** 65(4):101–2, 16 Aug 75

[Utilization of posttransferrin polymorphisms in paternity probability] Klose I, et al. **Beitr Gerichtl Med** 33:247–50, 1975 (Eng. Abstr.) **(Ger)**

[Experimental studies on population genetics of complement 3 (C3) and serum component transferin (Tf) in the population of Northern Bavaria] Sittner G, et al. **Blut** 32(6):447–50, Jun 76 (Eng. Abstr.) **(Ger)**

[The enzyme activity of the blood serum of peptic ulcer patients in relation to method of operation] Romaniak MI, et al. **Klin Khir** (12):6–9, Dec 75 **(Rus)**

ANALYSIS

Conformation of human serum transferrin. Mateus Ventura M, et al. **An Acad Bras Cienc** 45(3–4):449–53, 1973 (Eng. Abstr.)

The fluorimetric determination of transferrin in blood serum. Miller JM, et al. **Biochem Med** 13(1):98–100, May 75

Electron spin resonance study of changes during the development of a mouse myeloid leukaemia. I. Paramagnetic metal ions. Dodd NJ. **Br J Cancer** 32(1):108–20, Jul 75

Differences between human Fe1-transferrin molecules. Lane RS. **Br J Haematol** 29(3):511–20, Mar 75

Transferrin polymorphism in blueback herring, Alosa aestivalis (Mitchill). McKenzie JA, et al. **Can J Zool** 53(11):1479–82, Nov 75

Isolation and partial characterization of sheep transferrin. Spooner RL, et al. **Comp Biochem Physiol [B]** 52(4):515–22, 15 Dec 75

Haptoglobin, transferrin and serum albumin variants in the Dayaks of Sarawak. Ganesan J, et al. **Humangenetik** 29(4):281–3, 7 Oct 75

The effect of liver disease on the serum iron, total iron binding capacity and percentage transferrin saturation in iron deficiency anaemia. Megahed GE, et al. **J Egypt Med Assoc** 58(3–4):177–88, 1975

Quantitative studies on immunoglobulins and transferrin in equine serum. Makimura S, et al. **Jpn J Vet Sci** 37(2):187–98, Apr 75

The postnatal hypotransferrinemia of early preterm newborn infants. Galet S, et al. **Pediatr Res** 10(2):118–20, Feb 76

The concentrations of retinol-binding protein, prealbumin, and transferrin in the sera of newly delivered mothers and children of various ages. Vahlquist A, et al. **Scand J Clin Lab Invest** 35(6):569–75, Oct 75

Immunologic differentiation of proteins in the surfactant system of the lung. Bergmann KC, et al. **Scand J Respir Dis** 56(2):87–92, Aug 75

Transferrin: internal homology in the amino acid sequence. MacGillivray RT, et al. **Science** 190(4221):1306–7, 26 Dec 75

Transferrin variants designated by their relative mobilities in high-voltage agarose gel electrophoresis. Rittner CH, et al. **Z Rechtsmed** 76(2):87–92, 11 Nov 75

[Letter: Haptoglobin/siderophilin ration. Its diagnostic value in 'inflammatory' anemias] Devred C, et al. **Nouv Presse Med** 4(29):2113 (1), 13 Sep 75 **(Fre)**

[Determination of total iron-binding capacity (TIBC). New approach using the immunologic determination of transferrin] Gauvin R, et al. **Union Med Can** 104(7):1084–9, Jul 75 (Eng. Abstr.) **(Fre)**

[Hemopexin, haptoglobin, ceruloplasmin and transferrin in porphyria cutanea tarda] Resl V Jr, et al. **Dermatol Monatsschr** 161(4):287–92, Apr 75 (Eng. Abstr.) **(Ger)**

[Transferrin variants: significance and identification in paternity cases (author's transl)] Mauff G, et al. **Z Immunitaetsforsch** 150(1):60–7, Aug 75 (Eng. Abstr.) **(Ger)**

[Comparison of conventional methods for the determination of albumin, transferrin and ceruloplasmin in serum with immunological reference methods (author's transl)] Schmidt H, et al. **Z Klin Chem Klin Biochem** 13(3):117–21, Mar 75 (Eng. Abstr.) **(Ger)**

[Effect of spa treatment on the levels of serum iron and transferrin in electric welders] Bednarski W, et al. **Pol Tyg Lek** 31(4):141–3, 26 Jan 76 (Eng. Abstr.) **(Pol)**

[A direct micromethod for transferrin level determination in human serum (author's transl)] Lambert I, et al. **Probl Med Wieku Rozwoj** 5:57–65, 1975 (Eng. Abstr.) **(Pol)**

[Genetic polymorphism of transferrins and postalbumins in cattle] Fomicheva II. **Genetika** 9(10):59–66, Oct 73 (Eng. Abstr.) **(Rus)**

[Genetic polymorphism of transferrins in yaks and local cattle in Gornyi Altai] Khubetsov SS, et al. **Genetika** 11(6):59–61, 1975 (Eng. Abstr.) **(Rus)**

Hereditary transferrin system in healthy subjects and schizophrenic patients] Sorokina TT. **Genetika** 12(3):173–4, 1976 (Eng. Abstr.) **(Rus)**

[Genetic polymorphism of the serum transferrins of the northern reindeer (Rangifer tarandus L.) of northwestern Siberia] Zhurkevich NM, et al. **Genetika** 12(1):56–65, 1976 (Eng. Abstr.) **(Rus)**

[The relationship between modification of electrophoretic types of transferrin and serum preservation] Kadiev AK. **Tsitol Genet** 8(5):393–5, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Iron oxidation and transferrin formation by phosvitin. Osaki S, et al. **Biochem J** 151(3):519–25, Dec 75

Inheritance of transferrins in progeny of in vitro crosses involving the tree frog Litoria ewingi (Anura: Hylidae). Gartside DF, et al. **Comp Biochem Physiol [B]** 53(4):431–4, 1976

[Disturbed globulin (transferrine) and antibody formation during the leucopenic stage of swine plague (author's transl)] Korn G, et al. **Z Immunitaetsforsch** 145(2):139–55, May 75 (Eng. Abstr.) **(Ger)**

BLOOD

Haemoglobin levels according to age, haematocrit, transferrin and serum iron level in medical students of comparable socio-economic status. van Eijk HG, et al. **Folia Haematol (Leipz)** 102(4):448–53, 1975

Hematologic changes in chronic arthritis of mice induced by Mycoplasma arthritidis. Edwards CQ, et al. **Proc Soc Exp Biol Med** 150(3):664–8, Dec 75

CEREBROSPINAL FLUID

On the tau-protein in cerebrospinal fluid. Verheecke P. **J Neurol Sci** 26(3):277–81, Nov 75

DEFICIENCY

[A case of atransferrinemia and 35 cases of hypotransferrinemia as determined by radioassay of total iron-binding capacity of the serum (author's transl)] Saito H. **Jpn J Clin Hematol** 16(11):1036–43, Nov 75 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunochemical quantitation of pig transferrin by single radial immunodiffusion. Hristić V, et al. **Acta Vet Scand** 16(2):244–50, 1975

ISOLATION & PURIFICATION

Isolation and characterization of iron-binding proteins from rat intestinal mucosa. Huebers H, et al. **Eur J Biochem** 66(3):447–55, 15 Jul 76

METABOLISM

Functional heterogeneity of the transport iron compartment II. In vivo differences between transferrin iron binding sites, and in vitro interbinding site iron exchange. Hahn D, et al. **Acta Haematol (Basel)** 53(6):321–8, 1975

Selective transfer of plasma proteins across mammary gland in lactating mouse. Gitlin JD, et al. **Am J Physiol** 230(6):1594–1602, Jun 76

Transferrin polymorphism in Herdwick sheep. Collis SC, et al. **Anim Blood Groups Biochem Genet** 6(2):117–20, 1975

Zinc transport by transferrin in rat portal blood plasma. Evans GW, et al. **Biochem Biophys Res Commun** 66(4):1218–24, 27 Oct 75

Effect of hemin and isonicotinic acid hydrazide on the uptake of iron from transferrin by isolated rat liver mitochondria. Koller ME, et al. **Biochem Biophys Res Commun** 71(1):339–46, 12 Jul 76

Iron-dependent binding of 8-anilinonaphthalene-1-sulphonate by both lactoferrin and transferrin. Bilić N, et al. **Biochem J** 157(1):233–5, 1 Jul 76

Nonequivalence of the metal binding sites in vanadyl-labeled human serum transferrin. Cannon JC, et al. **Biochemistry** 14(21):4573–7, 21 Oct 75

Effect of adenine nucleotides and pyrophosphate on the exchange of transferrin-bound carbonate. Egyed A. **Biochim Biophys Acta** 411(2):349–56, 5 Dec 75

Iron dynamics in the ruminant. Gibbons RA, et al. **Biochim Biophys Acta** 437(1):301–4, 23 Jun 76

Transferrin uptake and release by reticulocytes treated with proteolytic enzymes and neuraminidase. Hemmaplardh D, et al. **Biochim Biophys Acta** 426(3):385–98, 19 Mar 76

The effect of serum and experimental variables on the transferrin and reticulocyte interaction. Workman EF Jr, et al. **Biochim Biophys Acta** 399(2):254–64, 13 Aug 75

Micropinocytosis of transferrin by developing red cells: an electron-microscopic study utilizing ferritin-conjugated transferrin and ferritin-conjugated antibodies to transferrin. Sullivan AL, et al. **Blood** 47(1):133–43, Jan 76

The effect of pH upon human transferrin: selective labelling of the two iron-binding sites. Lestas AN. **Br J Haematol** 32(3):341–50, Mar 76

Studies of the metabolism of asialotransferrins: nonspecific changes in the metabolic behaviour of human asialotransferrin in avians. Hatton MW, et al. **Can J Biochem** 54(4):336–40, Apr 76

Studies of the metabolism of asialotransferrins: the metabolic heterogeneity of human asialotransferrin. Regoeczi E, et al. **Can J Biochem** 53(10):1070–7, Oct 75

Studies of the metabolism of asialotrasferrins: the in vivo behavior of baboon and rhesus asialotransferrins. Regoeczi E, et al. **Can J Biochem** 53(12):1255–61, Dec 75

Albumin, transferrin and the thyroxine-binding prealbumin/retinol-binding protein (TBPA-RBP) complex in assessment of malnutrition. Ingenbleek Y, et al. **Clin Chim Acta** 63(1):61–7, 18 Aug 75

Variations in serum iron and total iron binding capacity with the time of intake of combined oral contraceptives. Kamyab S, et al. **Clin Chim Acta** 66(3):439–52, 2 Feb 76

Study on sex-specific transferrin polymorphism and on the identification of transferrins by radioactive labelling. Major F, et al. **Experientia** 31(10):1175–7, 15 Oct 75

Studies on regulatory factors in transferrin metabolism in man and the experimental rat. pp. 164–77. Morton A, et al.

In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

In vivo behaviour of asialotransferrins. pp. 133–43. Regoeczi E, et al.

In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

Transferrin–erythroblast interaction. pp. 71–80. Brown EB.

In: Kief H, et.al., ed. Iron metabolism and its disorders. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.366 1975.

The role of heme in the release of iron from transferrin in rabbit reticulocytes. pp. 403–11. Poňka P, et al.

In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

In vivo evidence for the functional heterogeneity of transferrin-bound iron. III. Studies of transferrin at high and low iron saturation. Brown EB, et al. **J Lab Clin Med** 86(4):576–85, Oct 75

Functional equivalence of the two iron-binding sites of human transferrin. Harris DC, et al. **Nature** 257(5529):821–3, 30 Oct 75

Blood volume in inbred strain BALB/c, CBA/J and C57BL/10 mice determined by means of 59Fe-labelled red cells and 59Fe bound to transferrin. Vácha J. **Physiol Bohemoslov** 24(5):413–9, Sep 75

Iron-binding proteins in milk and resistance to Escherichia coli infection in infants. Bullen JJ. **Postgrad Med J** 51 suppl 3:67–70, 1975

Transferrin function in zinc absorption and transport. Evans GW. **Proc Soc Exp Biol Med** 151(4):775–8, Apr 76

Structure and function of transferrin. Aisen P, et al. **Prog Hematol** 9:25–56, 1975 (149 ref.)

[Serum transferrin levels in children in different areas of the Central Bohemian region (author's transl)] Wagner V, et al. **Cas Lek Cesk** 115(14):422–5, Apr 76 (Eng. Abstr.) **(Cze)**

[Determination of blood iron and the total fixation capacity of transferrin by a simple automatic technic without dialysis] Leflon P, et al. **Ann Biol Clin (Paris)** 33(2):97–103, 1975 **(Fre)**

[Comparison of the metabolism of 2 injectable iron preparations (sorbitol iron and polymaltose iron) with the metabolism of transferrin and hemoglobin iron] Dresch C, et al. **Nouv Rev Fr Hematol** 16(1):47–65, Jun 76 (Eng. Abstr.) **(Fre)**

[Comparative study on transferrin and iBc (iron-binding capacity) in the serum of man. A contribution to the problem of nonspecific iron-protein binding] Koch CD, et al. **Verh Dtsch Ges Inn Med** 81:1098–101, 1975 **(Ger)**

[Serum levels of alpha-2-macroglobulin, ceruloplasmin, transferrin, alpha-1-antitrypsin and complement (beta-1-C) before and following 3- and 6-day injections of D-penicillamine in man] Cegla UH. **Z Rheumatol** 34(9–10):301–8, Sep–Oct 75 (Eng. Abstr.) **(Ger)**

[The effect of thyroid hormones on changes in the

haptoglobin and transferrin levels in rats] Kuz'mak NI. **Probl Endokrinol (Mosk)** 22(1):71–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Iron and transferrin metabolism] Marcovich CE, et al. **Bol Med Hosp Infant Mex** 33(3):533–46, May–Jun 76 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

[The importance of serum components, particularly complement factors, properdin and transferrin, in inhibition of bacterial growth by human serum (author's transl)] Fürbeth M, et al. **Infection** 4(2):102–6, 1976 (Eng. Abstr.) **(Ger)**

URINE

Transferrin loss into the urine with hypochronic, microcytic anemia. Hancock DE, et al. **Am J Clin Pathol** 65(1):72–8, Jan 76

TRANSFORMATION, GENETIC

Transformation of Escherichia coli by R404 factor DNA and properties of the transformants. Kurowska E, et al. **Acta Microbiol Pol [A]** 8(1):35–42, 1976

Frequency of infection and efficiency of transfection of Rhizobium meliloti cells and spheroplasts. Staniewski R, et al. **Acta Microbiol Pol [A]** 8(3):151–60, 1975

Effect of sera on transfection Bacillus subtilis. Staniewski R. **Acta Microbiol Pol [A]** 7(4):211–9, 1975

Effects of exposure to high and low osmotic pressure upon Neisseria meningitidis transformation. Jyssum K. **Acta Pathol Microbiol Scand [B]** 84(1):45–50, Feb 76

Plant tissue culture methods in somatic hybridization by protoplast fusion and transformation. Gamborg OL. **Adv Exp Med Biol** 62:45–63, 1975 (45 ref.)

Transfection of 'Mycobacterium phlei'. Kitahara K, et al. **Ann Sclavo** 17(4):605–6, Jul–Aug 75

Interspecies transformation of streptomycin resistance in oral streptococci. Davidson JR Jr, et al. **Antimicrob Agents Chemother** 9(1):145–50, Jan 76

Competence development for transfection stimulated by culture fluids of Bacillus subtilis. Espinosa M, et al. **Antonie van Leeuwenhoek** 42(1–2):95–9, 1976

Possibilities for transferring phage Mu into most gram-negative bacteria. Van Montagu M, et al. **Arch Int Physiol Biochim** 83(5):1016–7, Dec 75

Replication and expression of constructed plasmid chimeras in transformed Escherichia coli--a review. Cohen SN, et al. **Basic Life Sci** 5A:335–44, 1975 (24 ref.)

Genetic control of Friend virus-transformed colony-forming cells by the Fv-2 resistance gene in mice. Steeves RA, et al. **Bibl Haematol** (43):151–3, Oct 75

Transfection of XC plaques with DNA from murine leukemia virus producer cells. Brunner M. **Biochem Biophys Res Commun** 66(1):397–402, 2 Sep 75

Transfection: enhancement by assembly protein of bacteriophage R17. Iglewski WJ. **Biochem Biophys Res Commun** 68(1):299–306, 12 Jan 76

Transfer of the gene for hypoxanthine-guanine phosphoribosyltransferase of isolated human metaphase chromosomes into murine L-cells. Willecke K, et al. **Cytogenet Cell Genet** 14(3–6):458–61, 1975

Electrophoretic pattern of hypoxanthine phosphoribosyltransferase produced in Chinese hamster cells following incorporation of human chromosomes. Wullems GJ, et al. **Cytogenet Cell Genet** 14(3–6):462–3, 1975

A possibility to achieve genetic transformation in the platyfish-swordtail system (Platypoecilus maculatus - Xiphophorus helleri). Schwab M, et al. **Experientia** 32(3):301–2, 15 Mar 76

DNA-mediated transformation in the platyfish-swordtail melanoma system. Vielkind J, et al. **Experientia** 32(8):1043–5, 15 Aug 76

Long-term preservation of transfecting activity of DNA isolated from rat virogenic XC cells transformed by Prague strain of Rous sarcoma virus. Štětina R, et al. **Folia Biol (Praha)** 21(5):334–9, 1975

Gene transfer in Drosophila melanogaster: genetic transformations induced by the DNA of transformed stocks. Fox AS, et al. **Genet Res** 26(2):137–47, Oct 75

Genetic hybridization at the unlinked thy and str loci of Streptococcus. Ravin AW, et al. **Genetics** 81(2):223–41, Oct 75

A transforming marker that produces merodiploids with high efficiency and stable transformants with low efficiency in Streptococcus. Ravin AW, et al. **Genetics** (3):421–43, Jul 75

Transforming RNA as a template directing RNA and DNA synthesis in bacteria. pp. 203–24. Beljanski M, et al. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.**

RNA-mediated transformation in Pneumococcus. pp. 225–8. Evans A. **In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.**

Fate of foreign DNA in mammalian cells. pp. 169–76. Notani NK, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

Proceedings: Symmetrical transcription of SV40 DNA early in the infection and in transformed cells. Beck Y, et al. **Isr J Med Sci** 11(11):1207, Nov 75

Proceedings: Activation of SV40 by transfer of fractionated chromosomes from transformed cells. Shani M, et al. **Isr J Med Sci** 11(11):1214, Nov 75

Physical size of the donor locus and transmission of Haemophilus influenzae ampicillin resistance genes by deoxyribonucleic acid-mediated transformation. Bendler JW 3d. **J Bacteriol** 125(1):197–204, Jan 76

Transfectability of rough strains of Salmonella typhimurium. Bursztyn H, et al. **J Bacteriol** 124(3):1630–4, Dec 75

Competitive inhibition of transformation in group H Streptococcus strain Challis by heterologous deoxyribonucleic acid. Ceglowski P, et al. **J Bacteriol** 124(3):1621–3, Dec 75

Hfr formation by I pilus-determining plasmids in Escherichia coli K-12. Datta N, et al. **J Bacteriol** 125(3):811–7, Mar 76

Mismatch correction in pneumococcal transformation: donor length and hex-dependent marker efficiency. Guild WR, et al. **J Bacteriol** 125(1):125–35, Jan 76

Comparative study of R1-specific chromosomal transfer in Escherichia coli K-12 and salmonella typhimurium LT2. Hedén LO, et al. **J Bacteriol** 127(1):51–8, Jul 76

R factor-mediated polarized chromosomal transfer in Escherichia coli C. Hedén LO, et al. **J Bacteriol** 127(1):46–50, Jul 76

Membrane location of a deoxyribonuclease implicated in the genetic transformation of Diplococcus pneumoniae. Lacks S, et al. **J Bacteriol** 124(3):1321–9, Dec 75

Bacillus pumilus plasmid pPL10: properties and insertion into Bacillus subtilis 168 by transformation. Lovett PS, et al. **J Bacteriol** 127(2):817–28, Aug 76

Physiological factors affecting transformation of Azotobacter vinelandii. Page WJ, et al. **J Bacteriol** 125(3):1080–7, Mar 76

Control of transformation competence in Azotobacter vinelandii by nitrogen catabolite derepression. Page WJ, et al. **J Bacteriol** 125(3):1088–95, Mar 76

Transformation analysis of three linkage groups in Staphylococcus aureus. Pattee PA, et al. **J Bacteriol** 124(1):201–11, Oct 75

Enhanced transformability with heterospecific deoxyribonucleic acid in a Streptococcus sanguis mutant impaired in ribonucleic acid polymerase activity. Raina JL, et al. **J Bacteriol** 127(1):380–91, Jul 76

Effect of pH on competence development and deoxyribonucleic acid uptake in Streptococcus sanguis (Wicky). Ranhand JM. **J Bacteriol** 126(1):205–12, Apr 76

Transformation of Escherichia coli by chromosomal deoxyribonucleic acid from Salmonella typhi. Sánchez F, et al. **J Bacteriol** 125(2):747–9, Feb 76

Single-stranded regions in transforming deoxyribonucleic acid after uptake by competent Haemophilus influenzae. Sedgwick B, et al. **J Bacteriol** 125(2):588–94, Feb 76

Intrageneric transformation of neisseria gonorrhoeae and neisseria perflava to streptomycin resistance and nutritional independence. Siddiqui A, et al. **J Bacteriol** 124(3):1359–65, Dec 75

Transformation reveals a chromosomal locus of the gene(s) for methicillin resistance in Staphylococcus aureus. Sjöström JE, et al. **J Bacteriol** 123(3):905–15, Sep 75

Heterologous deoxyribonucleic acid uptake and complexing with cellular constituents in competent Bacillus subtilis. Soltyk A, et al. **J Bacteriol** 124(3):1429–38, Dec 75

Bacteriophage resistance in Bacillus subtilis 168, W23, and interstrain transformants. Yasbin RE, et al. **J Bacteriol** 125(3):1120–6, Mar 76

Constitution of the cell envelope of Haemophilus influenzae in relation to competence for genetic transformation. Zoon KC, et al. **J Bacteriol** 123(2):666–77, Aug 75

Multiple regulatory events in the development of competence for genetic transformation in Haemophilus influenzae. Zoon KC, et al. **J Bacteriol** 124(3):1607–9, Dec 75

Synthesis of envelope polypeptides by Haemophilus influenzae during development of competence for genetic transformation. Zoon KC, et al. **J Bacteriol** 127(1):545–54, Jul 76

Genetic Transformation as a tool for detection of Neisseria gonorrhoeae. Janik A, et al. **J Clin Microbiol** 4(1):71–81, Jul 76

Stability of pathogenic colony types of Neisseria gonorrhoeae in liquid culture by using the parameters of colonial morphology and deoxyribonucleic acid transformation. La Scolea LJ JR, et al. **J Clin Microbiol** 1(2):165–70, Feb 75

Genetic hybridization of the leu-ilv region in bacilli. Biswas GD, et al. **J Gen Microbiol** 92(2):398–404, Feb 76

Genetic analysis of deletions of R100-1 that are both transfer-deficient and tetracycline-sensitive. Foster TJ, et al. **J Gen Microbiol** 93(1):133–40, Mar 76

Genetic transfer of Salmonella O antigens to Escherichia coli O8. Kiefer W, et al. **J Gen Microbiol** 92(2):311–24, Feb 76

Phospholipids of Haemophilus influenzae Rd during exponential growth and following the development of competence for genetic transformation. Sutrina SL, et al. **J Gen Microbiol** 92(2):410–2, Feb 76

Use of a transfection method to demonstrate a monolayer cell transforming agent from the EB3 line of Burkitt's lymphoma cells. Al-Moslih MI, et al. **J Gen Virol** 31(3):331–45, Jun 76

Single-strand breakage on binding of DNA to cells in the genetic transformation of Diplococcus pneumoniae. Lacks S, et al. **J Mol Biol** 101(2):255–75, 25 Feb 76

In vitro construction of different oligomeric forms of lambdadv DNA and studies of their transforming activities. Matsubara K, et al. **J Virol** 16(3):479–85, Sep 75

Transfection with heteroduplex SPP1 DNA: a pyrimidine dimer induced influence on the conversion pattern. Ahmad AF, et al. **Mol Gen Genet** 139(2):103–19, 5 Aug 75

Studies on the size of the diploid region in Bacillus subtilis merozygotes from strains carrying the trpE26 mutation. Audit C, et al. **Mol Gen Genet** 137(4):337–51, 1975

Dependence of transfection efficiency of calcium treated Escherichia coli cells on bacterial genotype and form of Lambda DNA. Drabkina LE, et al. **Mol Gen Genet** 144(1):83–6, 27 Feb 76

A quantitative theory of transfection in B. subtilis. Fischbach KF, et al. **Mol Gen Genet** 141(2):121–45, 24 Nov 75

Transformation in E. coli K12: relation of linkage to distance between markers. Hoekstra WP, et al. **Mol Gen Genet** 145(1):109–10, 23 Apr 76

Analysis of the proteins synthesized in ultraviolet light-irradiated Escherichia coli following infection with the bacteriophages lambdadrifd 18 and lambdadfus-3. Pedersen S, et al. **Mol Gen Genet** 144(3):339–43, 30 Mar 76

An approach to genetic transformation in the Xiphophorine fish. Schwab M, et al. **Mol Gen Genet** 144(2):151–8, 22 Mar 76

Genetic consequences of transfection with heterduplex bacteriophage lambda DNA. White RL, et al. **Mol Gen Genet** 141(2):163–71, 24 Nov 75

Genetic transformation in Drosophila by microinjection of DNA. Germeraad S. **Nature** 262(5565):229–31, 15 JUL 76

Thermolabile transfecting DNA from temperature-sensitive mutant of phage phi29. Yanofsky S, et al. **Nature** 259(5538):60–3, 1–8 Jan 76

Knowledge and prematurity: the journey from transformation to DNA. Wyatt HV. **Perspect Biol Med** 18(2):149–56, Win 75

Human gene expression in rodent cells after uptake of isolated metaphase chromosomes. Burch JW, et al. **Proc Natl Acad Sci USA** 72(5):1797–801, May 75

Transformation of Pseudomonas putida and Escherichia coli with plasmid-linked drug-resistance factor DNA. Chakrabarty AM, et al. **Proc Natl Acad Sci USA** 72(9):3647–51, Sep 75

Chromosome-mediated gene transfer between closely realted strains of cultured mouse cells. Degnen GE, et al. **Proc Natl Acad Sci USA** 73(8):2838–42, Aug 76

Cotransfer of two linked human genes into cultured mouse cells. Willecke K, et al. **Proc Natl Acad Sci USA** 73(4):1274–8, Apr 76

Proflavine inactivation of transforming deoxyribonucleic acid irreversibly by dialysis. Cabrera-Juárez E, et al. **Rev Lat Am Microbiol** 17(2):87–93, Apr–Jun 75

A study on transformation in a mutant of Candida pseudotropicalis. Frye BL, et al. **Sabouraudia** 14(2):205–9, Jul 76

The genetics of mycobacteria and mycobacteriophages - a review. Grange JM. **Tubercle** 56(3):227–38, Sep 75 (85 ref.)

Biological properties of an improved transformation assay for native and denatured T4 DNA. Baltz RH. **Virology** 70(1):52–64, Mar 76

Gene activation by transfer of isolated mammalian chromosomes. II. Activation of simian virus 40 by transfer of fractionated chromosomes from transformed cells. Shani M, et al. **Virology** 70(1):201–5, Mar 76

[A genetic transfer system in a cyanophyte of the genus Aphanocapsa] Astier C, et al. **C R Acad Sci [D] (Paris)** 282(8):795–7, 23 Feb 76 (Eng. Abstr.) **(Fre)**

[The transforming adenovirus gene] Fleckenstein B. **Hippokrates** 45(4):500–1, Nov 74 **(Ger)**

[Genetic transformation of Streptococci] Yoshioka M. **Jpn J Bacteriol** 31(3):357–74, May 76 (144 ref.) **(Jpn)**

[Transformation of Bacillus subtilis by isolated plasmid R DNA] Domaradskiĭ IV, et al. **Dokl Akad Nauk SSSR** 226(6):1443–5, 21 Feb 76 **(Rus)**

[Bacillus subtilis mutants with modified DNA donor ability in spontaneous transformation. IV. Relation of transformation ability to donor activity] Bulygina LG, et al. **Genetika** 9(10):91–6, Oct 73 (Eng. Abstr.) **(Rus)**

[Genetic transformation of phage T4rII-638 by phage T4 deoxyribonucleic acid. XVI. Effect of phage T4 gene v and bacterial genes rec A and uvr A on the effectiveness of phage T4rII-638 transformation] Gol'dfarb DM, et al. **Genetika** 9(11):114–23, Nov 73 (Eng. Abstr.) **(Rus)**

[Competence in Escherichia coli cells. III. Formation of competent states in Escherichia coli X7026 and Escherichia coli Hfr H cells during storage in different conditions] Rudchenko ON, et al. **Genetika** 11(5):101–9, 1975 (Eng. Abstr.) **(Rus)**

[Competence in Escherichia coli cells. I. Recovery of transfectivity in incompetent Escherichia coli cells following treatment with the cultural fluid from competent cells] Rudchenko ON, et al. **Genetika** 10(2):139–44, Feb 74 (Eng. Abstr.) **(Rus)**

[Competence in Escherichia coli cells. III. Formation of competent states in Escherichia coli X7026 and Escherichia coli Hfr H cells during storage in different conditions] Rudchenko ON, et al. **Genetika** 11(5):101–9, 1975 (Eng. Abstr.) **(Rus)**

[Competency of Escherichia coli cells. II. Detection of competency factor activity in cultural fluid of Escherichia coli X7026. Purification and concentration of the preparation] Rudchenko ON, et al. **Genetika** 10(12):89–93,

Dec 74 (Eng. Abstr.) **(Rus)**

[Transforming activity of phage T4r+ DNA, treated with ultraviolet light, nitrous acid, hydroxylamine and visible light in the presence of methylene blue] Sherman G!a. **Genetika** 11(5):127–31, 1975 (Eng. Abstr.) **(Rus)**

[Transforming activity of phage T4r+ DNA, treated with ultraviolet light, nitrous acid, hydroxylamine and visible light in the presence of methylene blue] Sherman Gla. **Genetika** 11(5):127–31, 1975 (Eng. Abstr.) **(Rus)**

[Infectivity of different forms of lambda bacteriophage DNA in transfection of calcinated Escherichia coli] Drabkina LE, et al. **Mol Biol (Mosk)** 9(3):370–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Infectivity of different forms of lambda bacteriophage DNA in transfection of calcinated Escherichia coli] Drabkina LE, et al. **Mol Biol (Mosk)** 9(3):370–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Transporting bone marrow preserved by freezing] Kholodnyĭ AIa, et al. **Voen Med Zh** (3):23–7, Mar 76 **(Rus)**

[Conditions for bacteria! transfection] Domaradskiĭ IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):3–11, Apr 76 (38 ref.) **(Rus)**

DRUG EFFECTS

Inactivation of lambda phage infectivity and lambda deoxyribonucleic acid transfection by N–methyl–isatin beta–thiosemicarbazone–copper complexes. Levinson W, et al. **Antimicrob Agents Chemother** 9(1):160–3, Jan 76

Influence of several nucleotides on the competence development of Bacillus subtilis. Ureña MT, et al. **Arch Microbiol** 107(3):303–7, 1 Apr 76

Prevention of cell agglutination and competence in a genetically transformable strain of Pneumococcus by D–glucosamine and D–galactosamine. Kohoutová M. **Folia Microbiol (Praha)** 20(6):443–51, 1975

Effect of amino sugars on transformation of strains Streptococcus Wicky and Bacillus 168 trp2. Rytíř V, et al. **Folia Microbiol (Praha)** 20(5):423–6, 1975

D–Glucosamine as inhibitor of early processes of transformation in Bacillus subtilis 168 trp2. Tichý P, et al. **Folia Microbiol (Praha)** 21(2):100–6, 1976

Nucleic acid–induced genetic changes in Neurospora. pp. 259–68. Mishra NC, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Calcium–requiring step in the uptake of deoxyribonucleic acid molecules through the surface of competent pneumococci. Seto H, et al. **J Bacteriol** 126(3):1113–8, Jun 76

Azide mutagnesis. In vitro studies. Kleinhofs A, et al. **Mutat Res** 29(3):497–9, Sep 75

Sensitivity of Escherichia coli to viral nucleic acid, X. Ba2+–induced competence for transfecting DNA. Taketo A. **Z Naturforsch [C]** 30(4):520–2, Jul–Aug 75

[Effect of palladium and platinum salts on bacteriophage T4 and its isolated DNA] Fonshtein LM, et al. **Genetika** 11(7):128–34, 1975 **(Rus)**

[Mechanism of the stimulating effect of protamines on the infectivity of DNA phages] Moiseeva TF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):84–7, Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of phytohemagglutinins on the efficiency of Bacillus subtilis transformation] Karpova IS. **Mikrobiol Zh** 37(2):146–51, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

Mutagenic action of gamma–rays on transforming DNA of Bacillus subtilis. Kreneva RA, et al. **Mutat Res** 34(3):527–32, Mar 76

Repair of U.V. damages in Bacillus subtilis cultures competent for transformation: difference between competent and non–competent fractions. Sgroi G, et al. **Nucleic Acids Res** 2(9):1569–77, Sep 75

Protection by AET against inactivation of transforming DNA by near–ultraviolet light: action spectrum. Peak MJ, et al. **Photochem Photobiol** 22(3–4):147–8, Sep–Oct 75

TRANSGLUTAMINASE see **GLUTAMYL TRANSPEPTIDASE**

TRANSIENTS AND MIGRANTS

Heart disease mortality among black migrants: a study of Ohio residents (1960–1967). Mancuso TF, et al. **Am Heart J** 90(3):380–8, Sep 75

Strengthening a disorganized family. Bauernfeind L. **Am J Nurs** 75(12):2198–200, Dec 75

A preliminary study of circulating vitamins in a Puerto Rican migrant farm population in New Jersey. Quinones MA, et al. **Am J Public Health** 66(2):172–3, Feb 76

Letter: On nutrition of migrant workers. Rubenstein R, et al. **Am J Public Health** 66(7):691–2, Jul 76

Lead poisoning among migrant children in New York State. Smith PJ, et al. **Am J Public Health** 66(4):383–4, Apr 76

Handicapped migratory workers: harvest of plenty, harvest of tears. Church R. **Am Rehabil** 1(1):6–10, Sep–Oct 75

The homeless person and the psychiatric services: an Edinburgh survey. Priest RG. **Br J Psychiatry** 128:128–36, Feb 76

Editorial: Migrants and cardiovascular disease. **Br Med J** 1(6023):1423–4, 12 Jun 76

Effects of influx of holidaymakers on an acute medical unit in Cornwall. Horsley SD, et al. **Br Med J** 4(5991):276–7, 1 Nov 75

Vision screening for migrant children. Miller PG. **Child Today** 5(2):6–7, 36, Mar–Apr 76

Department of Community Dentistry, University of Florida College of Dentistry, Gainesville, Florida. Avery KT. **Community Dent Oral Epidemiol** 4(1):19–21, Jan 76

Letter: Comment of M.J. Greenwood's 'simultaneity bias in migration models: an empirical examination'. DaVanzo J. **Demography** 13(3):411–5, Aug 76

Simultaneity bias in migration models: an empirical examination. Greenwood MJ. **Demography** 12(3):519–36, Aug 75

Letter: Reply to Davanzo—comment on M.J. Greenwood's 'simultaneity bias in migration models: an empirical examination'. Greenwood MJ. **Demography** 13(3):417–8, Aug 76

A comparison between Northern and Southern blacks residing in the North. Lieberson S, et al. **Demography** 13(2):199–224, May 76

Volume, characteristics and consequences of internal migration in Colombia. Martine G. **Demography** 12(2):193–208, May 75

Letter to the editor: Hypertension and cardiovascular disease in migrants. Malhotra SL. **Int J Epidemiol** 4(2):149, Jun 75

Some issues associated with migration, health status and the use of health services. McKinlay JB. **J Chronic Dis** 28(11–12):579–92, Dec 75

Migration and outcome in schizophrenia. Roff JD. **J Clin Psychol** 32(3):519–22, Jul 76

No bed for the night. Leonard M. **Nurs Times** 71(40):1594–5, 2 Oct 75

Homeless people as an at–risk group. Hewetson J. **Proc R Soc Med** 68(1):9–13, Jan 75

Human biology of the Irish tinkers: demography, ethnohistory, and genetics. Crawford MH, et al. **Soc Biol** 21(4):321–31, Winter 74

Migration in malaysian aborigines: clinical observations in pregnancy. **Southeast Asian J Trop Med Public Health** 6(3) Sep 75

Experiment in pre–paid insurance: it's working for migrant families. **Tex Med** 72(2):101–5, Feb 76

Plight of the migrant worker. Ramirez ME. **Tex Med** 72(2):102–3, Feb 76

[Post–traumatic psychoneuroses in the migrant worker] Jeddi E, et al. **Tunis Med** 53(5):279–81, Sep–Oct 75 **(Fre)**

[Transcultural aspects of the clinical–psychiatric pictures of foreign workers (guest workers) and their significance for neurological practice] Floru L. **Confin Psychiatr** 18(4):193–206, 1975 (Eng. Abstr.) **(Ger)**

[Children of foreign workers form the viewpoint of medical practice] Malhotra K. **Fortschr Med** 93(27):1241–2, 25 Sep 75 (Eng. Abstr.) **(Ger)**

[Participation of foreign workers in prenatal care] Strobel E. **Fortschr Med** 93(28):1301–2, 1308, 9 Oct 75 (Eng. Abstr.) **(Ger)**

[Pathological–anatomical aspects of vagabondage (author's transl)] Veith G, et al. **Fortschr Neurol Psychiatr** 44(1):1–21, Jan 76 (Eng. Abstr.) **(Ger)**

[Risk of contracting tuberculosis and special aspects of its course in persons without fixed address] pp. 17–20. Kerntke G.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Deliveries in foreign women (author's transl)] Schultze–Naumberg R, et al. **Med Klin** 71(2):63–7, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[Evaluation of helminth carrier rates among foreign workers (author's transl)] Vögtle–Junkert U. **Med Klin** 70(47):1920–7, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[Juveniles from foreign–worker families] Freissem DH. **Prax Kinderpsychol Kinderpsychiatr** 24(1):7–10, Jan 75 (Eng. Abstr.) **(Ger)**

[Problems with the integration of foreign children in Swiss schools (author's transl)] Amstutz B. **Ther Umsch** 32(9):586–8, Sep 75 (Eng. Abstr.) **(Ger)**

[Accidents on the job among foreign workers (author's transl)] Biener K, et al. **Ther Umsch** 32(9):547–51, Sep 75 (Eng. Abstr.) **(Ger)**

[Foreign workers and pregnancy interruption (author's transl)] Burckhardt–Tamm E, et al. **Ther Umsch** 32(9):577–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Menstrual disorders in Italians following immigration to Switzerland (author's transl)] Girotti M, et al. **Ther Umsch** 32(9):580–1, Sep 75 **(Ger)**

[Change of religious habits of Italian women following immigration (author's transl)] Girotti M. **Ther Umsch** 32(9):582–5, Sep 75 (Eng. Abstr.) **(Ger)**

[Foreign women in Switzerland – more or fewer gynecologic diseases? (author's transl)] Hauser GA, et al. **Ther Umsch** 32(9):552–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Perinatal mortality in foreign workers (author's transl)] Höfling HJ, et al. **Ther Umsch** 32(9):560–3, Sep 75 (Eng. Abstr.) **(Ger)**

[Problems of teachers with foreign–speaking children (author's transl)] Labhardt–Senn V. **Ther Umsch** 32(9):589–92, Sep 75 (Eng. Abstr.) **(Ger)**

[Foreign workers: migration and health problems (author's transl)] Müller RM. **Ther Umsch** 32(9):542–6, Sep 75 **(Ger)**

[Course of labor in foreign women] Schliemann F, et al. **Ther Umsch** 32(9):564–70, Sep 75 (Eng. Abstr.) **(Ger)**

[Incidence and significance of parasitic infections in foreign workers] Aspöck H, et al. **Wien Med Wochenschr** 125(28):540–3, 19 Sep 75 **(Ger)**

[Survey conducted among migrants cared for in the Central de Triagem e Encaminhamento in São Paulo City, Brazil. II. Biochemical aspects of hypoavitaminosis A] Roncada MJ. **Rev Saude Publica** 9(3):313–29, Sep 75 (Eng. Abstr.) **(Por)**

[Survey conducted among migrants care for in the Central de Triagem e Encaminhamento in São Paulo City, Brazil. I. Demographic aspects] Roncada MJ. **Rev Saude Publica** 9(3):303–12, Sep 75 (Eng. Abstr.) **(Por)**

[Survey conducted among migrants going through the Central de Triagem e Encaminhamento in São Paulo capital of Brazil. III. Nutritional aspects] Roncada MJ. **Rev Saude Publica** 9(4):507–14, Dec 75 (Eng. Abstr.) **(Por)**

TRANSILLUMINATION

Letter: Transillumination as diagnostic aid. Goldman L. **Arch Dermatol** 112(2):262, Feb 76

Innovations in the technique for drainage of subretinal fluid, transillumination and choroidal diathermy. Freeman HM, et al. **Mod Probl Ophthalmol** 15:119–26, 1975

Diagnosis of pneumothorax or pneumomediastinum in the neonate by transillumination. Kuhns LR, et al. **Pediatrics** 56(3):355–60, Sep 75

[Value of diaphanoscopy in the diagnosis of breast lesions] Di Maggio C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:627–8, 1975 **(Fre)**

[Determination of viability and study of blood flow in intramural vessels of hollow organs] Sigal MZ, et al. **Khirurgiia (Mosk)** (8):70–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Complex diagnosis of intraocular neoplasms by the method of radiophosphorus examination and posterior diaphanoscopy] Terent'eva LS, et al. **Oftalmol Zh** 30(6):423–6, 1975 **(Rus)**

INSTRUMENTATION

Transillumination of the angular and frontal veins. Cohen SW, et al. **Am J Ophthalmol** 80(4):765–6, Oct 75

Biomicroscopical choroidoscopy (uveoscopy) and transillumination gonioscopy. Cohen SW, et al. **Arch Ophthalmol** 94(9):1618–21, Sep 76

Normal values for transillumination of skull using a new light source. Cheldelin LV, et al. **J Pediatr** 87(6 Pt 1):937–8, Dec 75

METHODS

Preparation of rat intestinal muscle and mucosa for quantitative microcirculatory studies. Bohlen HG, et al. **Microvasc Res** 11(1):103–10, Jan 76

Puncture of subretinal fluid controlled by transillumination with fiber–optics. Dominguez A. **Mod Probl Ophthalmol** 15:134–6, 1975

[Transillumination of the choledochus] Trajber HJ. **Nouv Presse Med** 5(12):791–2, 20 Mar 1976 **(Fre)**

[Fluorescein fundusgraphy by retrobulbar injection. II. Experimental studies on clinical application of 'chemical' transillumination (author's transl)] Miyake K, et al. **Acta Soc Ophthalmol Jpn** 79(8):969–75, Aug 75 (Eng. Abstr.) **(Jpn)**

[Ovular transillumination. A variation of the amnioscopy technic] Pettinelli E, et al. **Rev Chil Obstet Ginecol** 39(2):65–6, 1974 **(Spa)**

VETERINARY

Transillumination of the canine tympanum. Souri E. **Vet Med Small Anim Clin** 71(3):302–5, Mar 76

TRANSISTORS see under **SEMICONDUCTORS**

TRANSKETOLASE

Enzymes of pentose biosynthesis. The quaternary structure and reacting form of transketolase from baker's yeast. Cavaliere SW, et al. **Arch Biochem Biophys** 171(2):527–32, Dec 75

The number of active sites in a molecule of transketolase. Kochetov GA, et al. **Biochem Biophys Res Commun** 69(4):839–43, 19 Apr 76

Stains for six enzymes potentially applicable to chromosomal assignment by cell hybridization. Anderson JE, et al. **Birth Defects** 11(3):295–9, 1975

ANTAGONISTS & INHIBITORS

Specific irreversible inhibition of enzymes concomitant to the oxidation of carbanionic enzyme–substrate intermediates by hexacyanoferrate (III). Christen P, et al. **Eur J Biochem** 63(1):223–31, 16 Mar 76

Antithiamine effect of methyl sinapate on the growth of Staphylococcus aureus & on rat erythrocyte transketolase activity. Bhattacharya J, et al. **Indian J Exp Biol** 13(5):474–5, Sep 75

BLOOD

Evaluation of methods of coenzyme activation of erythrocyte enzymes for detection of deficiency of vitamins B1, B2,

and B6. Bayoumi RA, et al. **Clin Chem** 22(3):327–35, Mar 76

Comparative value of pyruvate determination after glucose loading and transketolase determination for the diagnosis of the Wernicke–Korsakow syndrome. Muller Kobold MJ, et al. **Clin Neurol Neurosurg** 78(2):107–11, 1975

Dehydrogenase and transketolase activity in the red blood cells of the animals treated with antivitamins B1 and PP. pp. 383–5. Ostrovsky Y, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie–Verlag, 1975. W3 IN9848G 1973s.

Effect of simultaneous thiamin and riboflavin deficiencies on the determination of transketolase and glutathione reductase. Vo–Khactu KP, et al. **J Lab Clin Med** 87(5):741–8, May 76

[Behavior of transkelotase activity in chronic renal insufficiency] Zumkley H, et al. **Med Welt** 26(16):771–4, 18 Apr 75 **(Ger)**

[Activity of some key enzymes of glucose metabolism in peripheral leukocytes in schizophrenics] Horodnicki JM. **Pol Tyg Lek** 30(46):1927–9, 17 Nov 75 **(Pol)**

[The transketolase activity in erythrocytes as a criterion for thiamine balance in the body] Boston LY.
Vopr Med Khim 21(4):339–43, Jul–Aug 75 (41 ref.) (Eng. Abstr.) **(Rus)**

[Determination of the activity of transketolase in erythrocytes in the study of the vitamin B–1 requirements of the population] Knapp A, et al. **Vopr Pitan** (5):3–7, Sep–Oct 75 **(Rus)**

[Activity of the enzymes of pentose cycle in children with rheumatic heart disease] Karpocheva MP, et al.
Vopr Revm 00(02):70–1, Apr–Jun 76 **(Rus)**

[The activity of key pentosephosphate cycle enzymes in the blood of patients with diabetes mellitus] Karabun PM.
Fiziol Zh 20(3):394–8, May–Jun 74 **(Ukr)**

METABOLISM

Thiamine–deficiency encephalopathy: thoughts on its pathogenesis. pp. 229–43. Dreyfus PM.
In: Gubler CJ, et al., ed. Thiamine. New York, Wiley, 1976. W3 UN612 1974t.

Effects of thiamin status and diving on enzyme and metabolite levels in the rat. Frattali V, et al. **Undersea Biomed Res** 2(2):89–100, Jun 75

[Study of the fructosediphosphate aldolase and transketolase activity in the nystatin producer, Actinomyces noursei] Toropova EG, et al. **Antibiotiki** (9):783–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Activity of pentose phosphate pathway enzymes in alkane–oxidizing yeast cells] Glazunova LM, et al.
Mikrobiologiia 44(1):21–7, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Transketolase activity of the skin of rats exposed to the combined action of x– and beta–radiation] Matiushichev VB, et al. **Radiobiologiia** 15(6):893–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Transketolase activity in rabbit myocardium and erythrocytes in health and in allergic heart diseases] Grosdova MD, et al. **Vopr Med Khim** 21(4):363–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of unsaturated fatty acids on the activity of transketolase and transaldolase in rat liver] Mkhitarian VG, et al. **Zh Eksp Klin Med** 15(4):10–6, 1975 **(Rus)**

[Effect of ACTH on glucose–6–phosphate dehydrogenase and transketolase activity in mitochondria and hyaloplasm of rabbit liver] Gula NM, et al. **Ukr Biokhim Zh** 47(2):157–9, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

TRANSLATING

Foreign language interpreting in psychiatric practice. Price J. **Aust NZ J Psychiatry** 9(4):263–7, Dec 75

Letter: Pavane pour une Langue défunte. Cooper SC.
Br Med J 3(5983):594–5, 6 Sep 75

[Guidelines for writing scientific papers in English] Dušková L. **Cesk Fysiol** 25(2):167–72, 1976 **(Cze)**

TRANSLATION, GENETIC

The effect of unilateral nephrectomy on the activity of ribosomes in the remaining kidney. Kuliszewski M, et al.
Acta Biochim Pol 23(1):27–36, 1976

Competition between eukaryotic messenger RNAs in cell–free protein synthesis. Arnstein HR.
Acta Biol Med Ger 33(5–6):971–8, 1974

Presence of a new RNA species among the initiation protein factors active in eukaryotes translation. Schapira G, et al.
Acta Biol Med Ger 33(5–6):913–7, 1974

Translation of globin mRNA among eukaryotic and prokaryotic organisms. Schapira G, et al.
Acta Biol Med Ger 33(5–6):945–52, 1974

Regulatory elements in initiation of phage f2 RNA translation. Szafrański P, et al. **Acta Biol Med Ger** 33(5–6):885–97, 1974

Translation of avidin mRNA from chick oviduct in the oestrous mouse uterus. Tuohimaa P, et al.
Acta Endocrinol (Kbh) 81(3):593–7, Mar 76

The need for transcription and translation for differentiation of bone marrow cells by thymic factors in man. Incefy GS, et al. **Adv Exp Med Biol** 66:41–50, 1976

Structural and functional aspects of the protein synthesizing apparatus in the rough endoplasmic reticulum. Sabatini DD, et al. **Adv Exp Med Biol** 62:151–80, 1975 (85 ref.)

Regulation of gene expression in prokaryotic organisms. Goldberger RF, et al. **Adv Genet** 18:1–67, 1976 (260 ref.)

A rapid and accurate procedure for assaying DNA polymerase, RNA polymerase, or ribosome dependent protein synthesis. Weinstein BI, et al. **Anal Biochem** 68(1):62–9, Sep 75

Functional possibilities for aminoacylation of viral RNA in transcription and translation. Hall TC, et al.
Ann Microbiol (Paris) 127A(1):143–52, Jan 76

Translational control of protein synthesis. Lodish HF.
Annu Rev Biochem 45:39–72, 1976 (378 ref.)

Processing of RNA. Perry RP. **Annu Rev Biochem** 45:605–29, 1976 (216 ref.)

Soluble factors required for eukaryotic protein synthesis. Weissbach H, et al. **Annu Rev Biochem** 45:191–216, 1976 (194 ref.)

Conditions affecting protein synthesis in amphibian oocytes. Bravo R, et al. **Arch Biochem Biophys** 172(2):648–53, Feb 76

Isolation and cell–free translation of immunoglobulin messenger RNA. Green M, et al.
Arch Biochem Biophys 172(1):74–89, Jan 76

Hemoglobin transition in erythrocytes of developing chick. Studies with cell–free protein–synthesizing systems. Henderson AB, et al. **Arch Biochem Biophys** 174(2):637–46, Jun 75

Studies on the initiation of protein synthesis in mouse myeloma tumors. Jones GH. **Arch Biochem Biophys** 170(2):409–16, Oct 75

Primary and secondary effects of ascorbate on procollagen synthesis and protein synthesis by primary cultures of tendon fibroblasts. Kao WW, et al.
Arch Biochem Biophys 173(2):638–48, Apr 76

The effect of age on protein synthesis and ribosome aggregation to messenger RNA in rat liver. Layman DK, et al. **Arch Biochem Biophys** 173(1):246–54, Mar 76

The biogenesis of a cytochrome b complex in yeast mitochondria. Sites of translation of the protein components. Marjanen LA, et al.
Arch Biochem Biophys 172(2):679–84, Feb 76

Synthesis of soluble, thylakoid, and envelope membrane proteins by spinach chloroplasts purified from gradients. Morgenthaler JJ, et al. **Arch Biochem Biophys** 172(1):51–8, Jan 76

A possible experimental model to test the hypothesis of the integration of V– and C– genes in the synthesis of an immunoglobulin chain. Querinjean P.
Arch Int Physiol Biochim 83(5):988–9, Dec 75

Effect of development of Artemia salina embryos on Poly(U) translation by isolated ribosomal subunits. Snoeks A, et al.
Arch Int Physiol Biochim 83(5):1000–1, Dec 75

A reinvestigation of the sites of transcription and translation of Euglena chloroplastic phenylalanyl–tRNA synthetase. Lesiewicz JL, et al. **Arch Microbiol** 105(2):117–21, 27 Oct 75

Synthesis of messenger RNA coding for elongation factors G and Ts during nutritional shift–up in Escherichia coli K–12. Barnsley PG, et al.
Biochem Biophys Res Commun 71(3):817–25, 9 Aug 76

Erythropoietin action in rat marrow cell cultures in complete absence of dna synthesis. II. Long term effects on macromolecular synthesis. Datta MC, et al.
Biochem Biophys Res Commun 69(2):489–98, 22 Mar 76

Biological activity of in vitro synthesised protein: binding of Semliki Forest virus capsid protein to the large ribosomal subunit. Glanville N, et al.
Biochem Biophys Res Commun 71(1):393–9, 12 Jul 76

Parathyroid mRNA directs the synthesis of pre–proparathyroid hormone and proparathyroid hormone in the Krebs ascites cell–free system. Habener JF, et al.
Biochem Biophys Res Commun 67(3):1114–21, 1 Dec 75

The synthesis of freezing–point–depressing protein of the winter flounder Pseudopleuronectus americanus in Xenopus laevis oocytes. Hew CL, et al.
Biochem Biophys Res Commun 71(3):845–50, 9 Aug 76

Incorporation of methionine by a soluble enzyme system from Escherichia coli. Horinishi H, et al.
Biochem Biophys Res Commun 67(3):1136–43, 1 Dec 75

Fractionation of chick oviduct chromatin: IV. Association of protein kinase with transcriptionally active chromatin. Keller RK, et al. **Biochem Biophys Res Commun** 66(2):453–9, 16 Sep 75

In vitro synthesis of zein–like protein by maize polyribosomes. Larkins BA, et al.
Biochem Biophys Res Commun 66(3):1048–54, 6 Oct 75

Mitochondrial heterogeneity in foetal and suckling rat liver: differential leucine incorporation into the proteins of two mitochondrial populations. Pollak JK.
Biochem Biophys Res Commun 69(3):823–9, 5 Apr 76

Control of feather keratin synthesis by the availability of keratin mRNA. Powell BC, et al.
Biochem Biophys Res Commun 68(4):1263–71, 23 Feb 76

Rigid structural requirement of the 5' terminus of mRNA for translational activity. Rao MS, et al.
Biochem Biophys Res Commun 66(4):1186–93, 27 Oct 75

Preparation and characterization of myosin copy DNA. Robbins J, et al. **Biochem Biophys Res Commun** 68(3):918–26, 9 Feb 76

Translation of avian myeloblastosis virus RNA in a reticulocyte cell–free system. Salden MH, et al.
Biochem Biophys Res Commun 68(1):249–55, 12 Jan 76

Messenger RNA for glutamine synthetase: its partial purification, translation in a cell–free system and its regulation by hydrocortisone. Sarkar PK, et al.
Biochem Biophys Res Commun 68(3):675–81, 9 Feb 76

Partial sequence of the precursors of immunoglobulin light–chains of different subgroups: evidence that the immunoglobulin variable–region gene is larger than hitherto known. Schechter I, et al.
Biochem Biophys Res Commun 68(2):489–96, 26 Jan 76

Protein synthesis during a nutritional shift–up in Escherichia coli. Sells BH, et al. **Biochem Biophys Res Commun** 67(1):203–11, 3 Nov 75

Viral protein synthesis during replication of bacteriophage T1. Toni M, et al. **Biochem Biophys Res Commun** 68(2):545–52, 26 Jan 76

Synthesis of RNA complementary of rabbit globin mRNA by Qbeta replicase. Vournakis JN, et al.
Biochem Biophys Res Commun 70(3):774–82, 7 Jun 76

Translation of a specific mRNA from Escherichia coli in a eukaryotic cell–free system. Wang S, et al.
Biochem Biophys Res Commun 68(4):1194–200, 23 Feb 76

Growth hormone, cyclic nucleotides and the rapid control of translation in heart muscle. Mowbray J, et al.
Biochem J 152(3):583–92, Dec 75

Partial isolation and translation in vitro of messenger ribonucleic acid for phosphoenolpyruvate carboxykinase (guanosine triphosphate). Tilghman SM, et al.
Biochem J 156(3):619–26, 15 Jun 76

Possibilities for intracellular integration: The ribonucleic acid polymerases of chloroplasts and nuclei, and genes specifying chloroplast ribosomal proteins. Bogorad L, et al. **Biochem Soc Symp** (38):17–41, 1973

Isolation and characterization of chloroplast 70S and of 80S ribosomes from Chlamydomonas reinhardii: protein synthesis in vitro. Chua NH, et al. **Biochem Soc Symp** (38):163–74, 1973

Regulation of protein synthesis in cotton seed embryogenesis and germination. Dure LS 3d. **Biochem Soc Symp** (38):217–34, 1973

The nature and function of chloroplast protein synthesis. Ellis RJ, et al. **Biochem Soc Symp** (38):137–62, 1973 (47 ref.)

A survey of cytokinins and cytokinin antagonists with reference to nucleic acid and protein metabolism. Skoog F. **Biochem Soc Symp** (38):195–215, 1973 (80 ref.)

Cytoplasmic nonpolysomal messenger ribonucleoprotein containing actin messenger RNA in chicken embryonic muscles. Bag J, et al. **Biochemistry** 14(17):3800–7, 26 Aug 75

Requirement for protein synthesis in the regulation of protein breakdown in cultured hepatoma cells. Epstein D, et al.
Biochemistry 14(23):5199–204, 18 Nov 75

In vitro translation of globin: effect of proteins purified by affinity chromatography on polyadenylate–Sepharose. Fukami H, et al. **Biochemistry** 15(16):3529–35, 10 Aug 76

Control of ribonucleic acid synthesis in eukaryotes. 2. The effect of protein synthesis on the activities of nuclear and total DNA–dependent RNA polymerase in yeast. Gross KJ, et al. **Biochemistry** 15(10):2070–2081, 18 May 76

Synthesis of deoxyguanosine polyphosphates and their interactions with the guanosine 5'–triphosphate requiring protein synthetic enzymes of Escherichia coli. Hamel E, et al. **Biochemistry** 14(23):5055–60, 18 Nov 75

The regulation of protein synthesis in animal cells by serum factors. Hassell JA, et al. **Biochemistry** 15(7):1375–81, 6 Apr 76

Quantitation of constant and variable region genes for mouse immunoglobulin lambda chains. Honjo T, et al.
Biochemistry 15(13):2780–5, 29 Jun 76

Purification and translation of an immunoglobulin lambda chain messenger RNA from mouse myeloma. Honjo T, et al. **Biochemistry** 15(13):2775–9, 29 Jun 76

Initiation of synthesis of N–terminal acetylated histones with methionine. Kecskes E, et al. **Biochemistry** 15(12):2541–6, 15 Jun 76

Quantitation of labeled globin messenger RNA by hybridization with excess complementary DNA covalently bound to cellulose. Levy S, et al. **Biochemistry** 15(9):1844–7, 4 May 76

Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. II. A two–state model for the 70S ribosome. Petersen HU, et al. **Biochemistry** 15(7):1362–9, 6 Apr 76

Toward an understanding of the formylation of initiator tRNA methionine in prokaryotic protein synthesis. I. In vitro studies of the 30S and 70S ribosomal–tRNA complex. Petersen HU, et al. **Biochemistry** 15(7):1357–62, 6 Apr 76

A procedure for the quantitative recovery of homogeneous populations of undegraded free and bound polysomes from rat liver. Ramsey JC, et al. **Biochemistry** 15(8):1704–12, 20 Apr 76

Lesions in the ribosomes of non–viable pea (Pisum arvense) embryonic axis tissue. Bray CM, et al.
Biochim Biophys Acta 442(1):14–23, 2 Aug 76

Lesions in post–ribosomal supernatant fractions associated with loss of viability in pea (Pisum arvense) seed. Bray CM, et al. **Biochim Biophys Acta** 442(1):1–13, 2 Aug 76

Defective protein synthesis of S–30 fraction of reticulocytes of anemic b/b rats. Cušić S, et al.
Biochim Biophys Acta 435(1):63–8, 2 Jun 76

The divergence between human and baboon globin genes. Dalgleishi R, et al. **Biochim Biophys Acta** 435(1):76–81, 2 Jun 76

The synthesis of connective tissue protein in smooth muscle cells. Faris B, et al. **Biochim Biophys Acta** 418(1):93–103, 5 Jan 76

Relation of cell type and cell density to the degree of post–transcriptional modification of tRNALys and

tRNAPhe. Katze JR. **Biochim Biophys Acta** 407(4):392–8, 4 Nov 75

The effect of ageing on in vitro fidelity of translation in mouse liver. Kurtz DI. **Biochim Biophys Acta** 407(4):479–84, 4 Nov 75

Protein synthesis in dystrophic muscle. Activity of the pH 5 supernatant fraction of muscle in dystrophic mice. Petryshyn R, et al. **Biochim Biophys Acta** 435(4):391–404, 16 Jul 76

Regulation of nitrate reductase at the transcriptional and translational levels in Escherichia coli. Ruiz-Herrera J, et al. **Biochim Biophys Acta** 425(4):492–501, 2 Apr 76

Translation of Rauscher leukemia virus RNA in heterologous cell-free systems. Salden MH, et al. **Biochim Biophys Acta** 425(2):208–19, 4 Mar 76

A transition state analogue of tRNA-dependent peptide condensation as an inhibitor of ribosomal protein synthesis. Seela F, et al. **Biochim Biophys Acta** 435(1):105–8, 2 Jun 76

Undermethylated transfer RNA does not support phage RNA-directed in vitro protein synthesis. Stulberg MP, et al. **Biochim Biophys Acta** 435(3):251–7, 2 Jul 76

Protein synthesis in homologous and heterologous cell-free systems from chick embryo connective tissues. Traut TW, et al. **Biochim Biophys Acta** 418(1):73–80, 5 Jan 76

In vivo isotope incorporation patterns into HeLa ribosomal proteins. Vandrey JP, et al. **Biochim Biophys Acta** 432(1):104–12, 15 Apr 76

Inhibitory action of different RNA fractions on the translation of globin mRNA in vitro. Wettenhall RE, et al. **Biochim Biophys Acta** 432(3):323–8, 19 May 76

Translational control of protein synthesis in stimulated WI-38 fibroblasts. Whelly SM, et al. **Biochim Biophys Acta** 425(2):234–45, 4 Mar 76

Isolation and translation of blastokinin mRNA. Levey IL, et al. **Biol Reprod** 14(2):163–74, Mar 76

Translation of human globin mRNA: globin synthesis in cells containing Hb Leiden. Rieder RF, et al. **Blood** 47(3):489–94, Mar 76

Post-transcriptional modification of nucleotides in E. coli ribosomal RNAs. Dahlberg JE, et al. **Brookhaven Symp Biol** (26):194–200, Jul 75

Processing transcription, and translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **Brookhaven Symp Biol** (26):267–76, Jul 75

Inhibition of post-transcriptional modification of E. coli tRNA. Kitchingman GR, et al. **Brookhaven Symp Biol** (26):44–52, Jul 75

Relationship between ppGpp levels and rates of protein and RNA synthesis in Escherichia coli. Chaloner-Larsson G, et al. **Can J Biochem** 54(3):291–5, Mar 76

Intracellular distribution of alpha-fetoprotein and albumin messenger RNAs in developing mouse liver. Iio T, et al. **Can J Biochem** 54(5):408–12, May 76

Ribosomal RNA: the message or matrix for ribosomal proteins. Miller DR, et al. **Can J Biochem** 54(2):192–3, Feb 76

Comparison of in vivo translation rates and messenger RNA levels of alpha2U-globulin in rat liver and Morris hepatoma 5123D. Sippel AE, et al. **Cancer Res** 36(10):3588–93, Oct 76

Initiation sites for translation of sindbis virus 42S and 26S messenger RNAs. Cancedda R, et al. **Cell** 6(2):215–22, Oct 75

The translational capacity of deadenylated ovalbumin messenger RNA. Doel MT, et al. **Cell** 8(1):51–8, May 76

Reovirus mRNA: transcription and translation. Shatkin AJ, et al. **Cell** 7(3):305–13, Mar 76

Ribosomes from Xenopus laevis eggs and embryos in a cell-free protein-synthesizing system: translational regulation. Van der Saag T, et al. **Cell Differ** 4(6):385–97, Mar 76

The cell-free translation of SV40 messenger RNA. Prives CL, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:309–16, 1975

Analysis of adenovirus type 2 gene functions by cell-free translation of viral messenger RNA. Westphal H, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:575–9, 1975

The ribosomes of the simian malaria Plasmodium knowlesi—II. A cell-free protein synthesizing system. Sherman IW. **Comp Biochem Physiol [B]** 53(4):447–50, 1976

Control of gene expression during the terminal differentiation of erythroid cells. Fantoni A, et al. **Curr Top Dev Biol** 9:15–38, 1975 (48 ref.)

Regulation of messenger RNA translation during insect development. Ilan J, et al. **Curr Top Dev Biol** 9:89–136, 1975 (98 ref.)

Translation of viral RNA in cell-free systems from Eukaryotes. Horak I. **Curr Top Microbiol Immunol** 69:118–35, 1975 (116 ref.)

In vitro translation of adenovirus messenger RNA. Westphal H. **Curr Top Microbiol Immunol** 73:125–139, 1976

Cell-free translation of messenger RNA from oocytes of Xenopus laevis. Darnbrough C, et al. **Dev Biol** 50(2):285–301, Jun 76

Polysome-dependent synthesis of embryonic proteins of Artemia salina during cell differentiation and analysis of heme-containing protein. Moens L, et al. **Dev Biol** 49(2):457–69, Apr 76

Cell-free translation of messenger RNA for a myeloma light chain prepared from synchronised plasmacytoma cells. Abraham KA, et al. **Eur J Biochem** 65(1):79–86, 17 May 76

Translation of the mRNA for rabbit uteroglobin in cell-free systems. Evidence for a precursor protein. Beato M, et al. **Eur J Biochem** 64(1):15–25, 15 Apr 76

Subcellular localization of a lesion in protein synthesis in rabbit reticulocytes incubated at elevated temperatures. Bonanou-Tzedaki SA, et al. **Eur J Biochem** 61(2):397–407, 15 Jan 76

Purification and sequence analysis of the mRNA coding for an immunoglobulin heavy chain. Cowan NJ, et al. **Eur J Biochem** 61(2):353–68, 15 Jan 76

Synthesis of albumin via a precursor protein in cell suspensions from rat liver. Edwards K, et al. **Eur J Biochem** 63(1):303–11, 16 Mar 76

Polysome translational state during the cell cycle. Eremenko T, et al. **Eur J Biochem** 52(2):203–10, 17 Mar 75

Simultaneous translation of structural and nonstructural proteins from Semliki-forest-virus RNA in two eukaryotic systems in vitro. Glanville N, et al. **Eur J Biochem** 64(1):167–75, 15 Apr 76

Studies concerning the mechanism by which translational-control RNA regulates protein synthesis in embryonic muscle. Heywood SM, et al. **Eur J Biochem** 58(2):587–93, 15 Oct 75

Readenylation of polyadenylate-free globin messenger RNA restores its stability in vivo. Huez G, et al. **Eur J Biochem** 59(2):589–92, 15 Nov 75

Histone-gene reiteration in the genome of mouse. Jacob E. **Eur J Biochem** 65(1):275–84, 17 May 76

Lipophilic proteins encoded by mitochondrial and nuclear genes in Neurospora crassa. Küntzel H, et al. **Eur J Biochem** 54(2):567–75, Jun 75

Yeast ribosomal proteins are synthesized on small polysomes. Mager WH, et al. **Eur J Biochem** 62(1):193–7, 2 Feb 76

Globin mRNA species containing poly(A) segments of different lengths. Their functional stability in Xenopus oocytes. Nudel U, et al. **Eur J Biochem** 64(1):115–21, 15 Apr 76

Activity of polyribosomes from the muscle of normal and dystrophic mice in cell-free amino-acid incorporation. Nwagwu M. **Eur J Biochem** 56(1):123–7, 1 Aug 75

Studies on the control of development. Accumulation of guanosine tetraphosphate and pentaphosphate in response to inhibition of protein synthesis in Bacillus subtilis. Rhaese HJ, et al. **Eur J Biochem** 56(2):385–92, 15 Aug 75

Phytochrome-mediated assembly of polyribosomes in etiolated bean leaves. Evidence for post-transciptional regulation of development. Smith H. **Eur J Biochem** 65(1):161–70, 17 May 76

Translation of honeybee promelittin messenger RNA. Formation of a larger product in a mammalian cell-free system. Suchanek G, et al. **Eur J Biochem** 60(1):309–15, 1 Dec 75

The specific role of ribosomal protein S1 in the recognition of native phage RNA. van Dieijen G, et al. **Eur J Biochem** 64(2):511–8, 1 May 76

Thyroglobulin messenger RNA: translation of a 33-S mRNA into a peptide immunologically related to thyroglobulin. Vassart G, et al. **Eur J Biochem** 55(1):15–22, 16 Jun 75

Mitochondrial protein synthesis in a mammalian cell-line with a temperature-sensitive leucyl-tRNA synthetase. Wallace RB, et al. **Eur J Biochem** 59(1):167–73, 1 Nov 75

Deficiency of joining of Okazaki-type fragments in absence of cellular protein synthesis. Werner D, et al. **Eur J Biochem** 54(2):351–8, Jun 75

Interaction between membrane functions and protein synthesis in reticulocytes. A membrane constituent which inhibits protein synthesis in cell-free system. Wreschner D, et al. **Eur J Biochem** 64(2):399–404, 1 May 76

Translation of the messenger RNA for rabbit uteroglobin in Xenopus oocytes. Beato M, et al. **FEBS Lett** 59(2):305–9, 15 Nov 75

Isolation of translating ribosomes with a resin-bound poly-U column. Belitsina NV, et al. **FEBS Lett** 57(3):262–6, 1 Oct 75

Differential recognition of chloroplast and cytoplasmic messenger RNA by 70S and 80S ribosomal systems. Bottomley W, et al. **FEBS Lett** 63(1):120–4, 15 Mar 76

Translational discrimination of 'capped' and 'non-capped' mRNAS: inhibition of a series of chemical analogs of m7GpppX. Canaani D, et al. **FEBS Lett** 64(2):326–31, 1 May 76

Protein synthesis in an E. coli system directed by yeast mitochondrial RNA. Eggitt MJ. **FEBS Lett** 61(1):6–9, 01 Jan 76

Translation of type I and type II procollagen messengers in a cell-free system derived from wheat germ. Harwood R, et al. **FEBS Lett** 57(1):47–50, 1 Sep 75

Post-transcriptional modification of tyrosine tRNA as a function of growth in Bacillus subtilis. Keith G, et al. **FEBS Lett** 61(2):120–3, 15 Jan 76

The translational system from wheat embryos: some properties of the polypeptides associated in EF1H. Lanzani GA, et al. **FEBS Lett** 64(1):102–6, 15 Apr 76

Ribosomal translocation promoted by guanylylimido diphosphate and guanylyl-methylene diphosphonate. Modolell J, et al. **FEBS Lett** 60(1):109–13, 1 Dec 75

The post-translational processing of Semliki forest virus structural polypeptides in puromycin treated cells. Söderlund H. **FEBS Lett** 63(1):56–8, 15 Mar 76

Effect of a discriminating factor on alpha and beta globin mRNA translation. Vaquero C, et al. **FEBS Lett** 58(1):325–9, 15 Oct 75

Increased levels of microsomal albumin-mRNA in the liver of nephrotic rats. Zähringer J, et al. **FEBS Lett** 62(3):322–5, 1 Mar 76

Dependence of translation on 5'-terminal methylation of mRNA. Shatkin AJ, et al. **Fed Proc** 35(11):2214–7, Sep 76 (17 ref.)

Polarity in segments of the Escherichia coli trp operon with deleted intraoperonic translational initiation signals. Kano Y, et al. **Genetics** 80(4):651–66, Aug 75

Stimulation of collagen synthesis in a cell-free system by mRNA from chick embryos. Neufang O, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1445–50, Sep 75

The gene expression during the cell life cycle. Volpe P. **Horiz Biochem Biophys** 2:285–340, 1976 (76 ref.)

Effect of food deprivation and hypophysectomy on in vitro protein synthesis by membrain-bound and free hepatic ribosomes. Alford FP, et al. **Horm Metab Res** 8(2):118–22, Mar 76

Relationship between transcription RNA methylation and translation. pp. 99–110. Kersten H, et al. **In: Antoni F, Farago A, ed. Post-synthetic modification of macromolecules. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.34.**

Protein synthesis in the perfused liver: comparative evaluation of the influence of amino acid supply on ribosomal activity of intact and isolated perfused rat liver. pp. 191–217. Enwonwu CO. **In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.**

Intracellular membranes: their possible role in messenger RNA stabilization and translational regulation. pp. 193–215. Pitot HC, et al. **In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.**

Translation of TYMV RNA in a wheat germ cell-free system. pp. 189–95. Benicourt C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Synthesis of the structural proteins of Semliki forest virus. pp. 255–8. Clegg C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Cell-free translation products of early RNA from adenovirus type 2-infected KB cells. pp. 299–304. Eron L, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Synthesis in vitro of mRNA by RNA polymerase induced in VSV-infected L cells and translation of the mRNA species into viral proteins. pp. 259–64. Ghosh HP, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Inhibition of host cell protein synthesis by encephalomyocarditis virus infection. pp. 369–71. Golini F, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Translation of Semliki forest virus RNAs in vivo and in vitro. pp. 265–72. Kääriäinen L, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

The RNAs of brome mosaic virus and their translation in cell-free extracts derived from wheat embryo. pp. 205–10. Kaesberg P. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Translation of tobacco mosaic virus RNA and isolation of the messenger for TMV coat protein. pp. 211–6. Knowland J, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Some observations on the translational properties of wheat germ extracts. pp. 217–24. Legocki AB, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

The cell-free translation of early and late classes of SV40 messenger RNA. pp. 305–12. Prives C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Application of a 'linked' transcription-translation cell free system to the direct functional mapping of a mammalian viral DNA. pp. 313–23. Roberts BE, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

5'-terminal 7-methylguanosine in eukaryotic mRNAs and its requirement. pp. 177–86. Shatkin AJ, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Translation of alfalfa mosaic virus RNAs in plant cell and mammalian cell extracts. pp. 225–32. Thang MN, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

In vitro translation of the RNAs of alfalfa mosaic virus. pp. 233–41. van Vloten-Doting L, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Information transfer: salt effects. pp. 119–36. Bayley ST.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Information transfer in thermophilic bacteria. pp. 85–101. Stenesh J.
In: Heinrich MR, ed. Extreme environments: mechanisms of microbial adaptation. New York, Academic Press, 1976. QW 52 E96 1974.

Genetic resolution of the products and functions of I and S region genes of the mouse H-2 complex. pp. 3–29. Shreffler DC, et al.
In: Katz DH, Benacerraf B, ed. The role of products of the histocompatibility gene complex in immune responses. New York, Academic Press, 1976. WQ 504 R745 1975. (73 ref.)

The cell free translation of purified simian virus 40 messenger RNA. pp. 127–39. Prives C.
In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Some studies on translation in cell-free systems. pp. 748–60. Hendrick D, et al.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Translation of heterogeneous nuclear RNA of avian immature red blood cells in a cell-free system of Ehrlich ascites cells. pp. 761–71. Knöchel W.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

Gene transcription and gene expression during sea urchin development. pp. 4–10. Gross PR, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Injection of messenger RNA into living cells and its application to the study of gene action in Xenopus laevis. pp. 110–20. Knowland JS, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Cytoplasmic and nuclear mutations affecting mitochondrial functions. pp. 241–50. Tzagoloff A.
In: Packer L, Gómez-Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.

Differentiation and the evolutionary persistence of semi-autonomous organelles. pp. 69–72. Morpurgo G.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Considerations on the problem of the joint evolution of two different translation apparatuses within the same cell. pp. 31–9. Ninio J.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Xenopus oocytes: an in vivo assay to test mitochondrial functions. pp. 129–33. Pinon H, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

tRNA structure in viral genomes and its possible role in gene replication and translation. pp. 21–9. Prochiantz A, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Nuclear–cytoplasmic interrelations in eucaryotes. pp. 231–3. Timoveeva MY, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975. (15 ref.)

Direct visualization of information transfer events. pp. 235–41. Woodcock CL, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Haemoglobin messenger RNA and its translation. pp. 511–3. Marbaix G, et al.
In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

Regulation of messenger RNA translation during myogenesis: nonpolysomal cytoplasmic messenger ribonucleoprotein particles in embryonic chicken muscles. pp. 111–27. Bag J, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Translation inhibition factor induced by interferon. Falcoff R. **In Vitro [Monogr]** 0(3):65, 1974

Biochemical studies of mitochondrial transcription and translation. Saccone C, et al. **Int Rev Cytol** 43:125–65, 1975 (168 ref.)

Proceedings: Partial sequence and size of the amino terminal extrapiece of immunoglobulin precursors programmed by mRNA in the wheat germ cell-free system. Burstein Y, et al. **Isr J Med Sci** 11(11):1203, Nov 75

Proceedings: In vitro translation of rat brain mRNA coding for tubulin and actin. Gozes I, et al. **Isr J Med Sci** 11(11):1203, Nov 75

Proceedings: In vitro translation of mRNA from developing cysts of Artemia salina. Grosfeld H, et al. **Isr J Med Sci** 11(11):1203–4, Nov 75

Proceedings: Discrimination messenger RNA by a mammalian translation initiation factor. Nudel U, et al. **Isr J Med Sci** 11(11):1204, Nov 75

Proceedings: Purification and translation of mRNA coding for SV40 proteins. Prives C, et al. **Isr J Med Sci** 11(11):1206, Nov 75

Proceedings: Role of the polyadenylic segment in the translation of globin messenger RNA. Soreq H, et al. **Isr J Med Sci** 11(11):1202–3, Nov 75

Coupling of rates of transcription, translation, and messenger ribonucleic acid degradation in streptomycin-dependent mutants of Escherichia coli. Gupta RS, et al. **J Bacteriol** 125(1):84–93, Jan 76

Macromolecular synthesis in Streptomyces antibioticus: in vitro systems for aminoacylation and translation from young and old cells. Jones GH. **J Bacteriol** 124(1):364–72, Oct 75

Restoration by ribosomal protein S1 of the defective translation in a temperature-sensitive mutant of Escherichia coli K-12: characterization and genetic studies. Ohsawa H, et al. **J Bacteriol** 127(3):1157–66, Sep 76

Amino acid starvation in Escherichia coli K-12: characteristics of the translation process. Subrahmanyam CS, et al. **J Bacteriol** 126(3):1042–51, Jun 76

Proceedings: Role of reversible association of ribosomal subunits, of initiation factor IF3, and of formylation of Met-tRNAfMet in protein synthesis initiation. Grunberg-Manago M. **J Biochem (Tokyo)** 79(4):31P–32P, Apr 76

The biosynthesis of transfer RNA in insects. I. Increase of amino acid acceptor activity of specific tRNA's utilized for silk protein biosynthesis in the silk gland of Bombyx mori. Majima R, et al. **J Biochem (Tokyo)** 78(2):391–400, Aug 75

Protein synthesis in a cell-free system from an extreme thermophile. Effects of preincubation in the cold on polyuridylic acid-dependent polyphenylalanine synthesis at high temperature. Ohno-Iwashita Y, et al. **J Biochem (Tokyo)** 79(6):1245–52, Jun 76

Protein synthesis in plant leaf tissue. The sites of synthesis of the major proteins. Cashmore AR. **J Biol Chem** 251(9):2848–53, 10 May 76

Properties of biologically active messenger RNA from human placenta. Cell-free synthesis of two immunoreactive forms of placental lactogen. Cox GS, et al. **J Biol Chem** 251(6):1723–30, 25 Mar 76

Cell-free synthesis of a prolactin precursor directed by mRNA from cultured rat pituitary cells. Evans GA, et al. **J Biol Chem** 251(9):2842–7, 10 May 76

Relationship of the pool of intracellular valine to protein synthesis and degradation in cultured cells. Hod Y, et al. **J Biol Chem** 251(14):4458–7, 25 Jul 76

Regulation of mitochondrial protein synthesis at the polyribosomal level. Ibrahim NG, et al. **J Biol Chem** 251(1):108–15, 10 Jan 76

The in vitro translation of a terminating signal by a single Escherichia coli ribosome. The fate of the subunits. Martin J, et al. **J Biol Chem** 250(20):8132–9, 25 Oct 75

Cell-free synthesis of a large translation product of prolactin messenger RNA. Maurer RA, et al. **J Biol Chem** 251(9):2801–7, 10 May 76

Peptidyl transfer RNA dissociates during protein synthesis from ribosomes of Escherichia coli. Menninger JR. **J Biol Chem** 251(11):3392–8, 10 Jun 76

Induced polypeptide synthesis during the development of bacterial bioluminescence. Michaliszyn GA, et al. **J Biol Chem** 251(9):2541–9, 10 May 76

mRNA methylation and protein synthesis in extracts from embryos of brine shrimp, Artemia salina. Muthukrishnan S, et al. **J Biol Chem** 250(24):9336–41, 25 Dec 75

Rates of different steps involved in the inhibition of protein synthesis by the toxic lectins abrin and ricin. Olsnes S, et al. **J Biol Chem** 251(13):3985–92, 10 Jul 76

Differential expression of alpha- and beta-globin genes during differentiation of cultured erythroleukemic cells. Orkin SH, et al. **J Biol Chem** 250(22):8753–60, 25 Nov 75

In vitro translation and estradiol-17beta induction of Xenopus laevis vitellogenin messenger RNA. Shapiro DJ, et al. **J Biol Chem** 251(10):3105–111, 25 May 76

Specificity of bacterial ribosomes and messenger ribonucleic acids in protein synthesis reactions in vitro. Stallcup MR, et al. **J Biol Chem** 251(8):2499–510, 25 Apr 76

Relation of growth and protein synthesis to the adenylate energy charge in an adenine-requiring mutant of Escherichia coli. Swedes JS, et al. **J Biol Chem** 250(17):6930–8, 10 Sep 75

Regulation of translation in rabbit reticulocytes and mouse L-cells; comparison of the effects of temperature. Craig N. **J Cell Physiol** 87(2):157–66, Dec 75

Variations in the cell-free translating apparatus of cultured animal cells as a function of time during cell growth. Engelhardt DL, et al. **J Cell Physiol** 86(1):15–29, Aug 75

Translation of ovalbumin mRNA in Xenopus laevis oocytes. Characterization of the system and effects of estrogen on injected mRNA populations. Chan L, et al. **J Clin Invest** 57(3):576–85, Mar 76

A rabbit reticulocyte model for the role of hemin-controlled repressor in hypochromic anemias. Freedman ML, et al. **J Clin Invest** 57(3):594–603, Mar 76

Studies of temperature sensitive mutants of bacteriophage Qbeta, defective in both replication and translation. Gupta P, et al. **J Gen Virol** 28(3):329–40, Sep 75

Effect of VHa locus allotype-suppression on the expression of closely linked VHx, VHy, and Cmun genes in heterozygous rabbits. Kim BS, et al. **J Immunol** 116(1):16–8, Jan 76

The function of macrophages in antigen recognition by guinea pig T lymphocytes. III. Genetic analysis of the antigens mediating macrophage-T lymphocyte interaction. Shevach EM. **J Immunol** 116(5):1482–9, May 76

Analysis of immunoglobulin genes: DNA/RNA hybridization with immunoglobulin kappa-chain mRNA and isolation and translation of hybridized RNA. Storb U, et al. **J Immunol** 117(1):259–68, Jul 76

Differentiation of thymocytes: evidence that induction of the surface phenotype requires transcription and translation. Storrie B, et al. **J Immunol** 116(5):1358–62, May 76

Properties of antigen-specific suppressive T cell factor in the regulation of antibody response of the mouse. II.In vitro activity and evidence for the I region gene product. Taniguchi M, et al. **J Immunol** 116(2):542–8, Feb 76

Bacteriophage P2-lambda interference. II. Effects on the host under the control of lambda genes O and P. Brégégère F. **J Mol Biol** 104(2):411–20, 25 Jun 76

Suppressor su+7 inserts tryptophan in addition to glutamine. Celis JE, et al. **J Mol Biol** 104(3):729–34, 5 Jul 76

Translation of poliovirus RNA in vitro: detection of two different initiation sites. Celma ML, et al. **J Mol Biol** 98(4):761–80, 15 Nov 75

In vitro protein synthesis directed by separated transcripts of bacteriophage f1 DNA. Chan TS, et al. **J Mol Biol** 99(3):369–82, 15 Dec 75

Regulation of the expression of ribosomal protein genes in Escherichia coli. Dennis PP, et al. **J Mol Biol** 97(1):61–76, 5 Sep 75

Effect of RNAase III, cleavage on translation of bacteriophage T7 messenger RNAs. Dunn JJ, et al. **J Mol Biol** 99(3):487–99, 15 Dec 75

Regulatory gene 28 of bacteriophage SPO1 codes for a phage-induced subunit of RNA polymerase. Fox TD, et al. **J Mol Biol** 101(3):427–33, 5 Mar 76

Determination of the multiplicity of the silk fibroin gene and detection of fibroin gene-related DNA in the genome of Bombyx mori. Gage LP, et al. **J Mol Biol** 101(3):327–48, 5 Mar 76

Factor-free ('non-enzymic') and factor-dependent systems of translation of polyuridylic acid by Escherichia coli ribosomes. Gavrilova LP, et al. **J Mol Biol** 101(4):537–52, 15 Mar 76

Sequence analysis and evolution of sea urchin (Lytechinus pictus and Strongylocentrotus purpuratus) histone H4 messenger RNAs. Grunstein M, et al. **J Mol Biol** 104(2):351–69, 25 Jun 76

Isolation and sequence analysis of sea urchin (Lytechinus pictus) histone H4 messenger RNA. Grunstein M, et al. **J Mol Biol** 104(2):323–49, 25 Jun 76

DNA synthesis inhibition and the induction of protein X in Escherichia coli. Gudas LJ, et al. **J Mol Biol** 101(4):459–77, 15 Mar 76

The induction of protein X in DNA repair and cell division mutants of Escherichia coli. Gudas LJ. **J Mol Biol** 104(3):567–87, 5 Jul 76

Protein synthesis in chloroplasts. V. Translation of messenger RNA for the large subunit of fraction I protein in a heterologous cell-free system. Hartley MR, et al. **J Mol Biol** 91(1):67–77, 5 Jan 75

Modifications to histones immediately after synthesis. Jackson V, et al. **J Mol Biol** 104(2):471–83, 25 Jun 76

Messenger RNA potential and the delay before exponential decay of messages. Kennell D, et al. **J Mol Biol** 104(1):285–98, 14 Jun 76

The stability of the translation apparatus. Kirkwood TB, et al. **J Mol Biol** 97(2):257–65, 15 Sep 75

The production of undegraded cytosine-containing DNA by bacteriophage T4 in the absence of dCTPase and endonucleases II and IV, and its effects on T4-directed protein synthesis. Kutter E, et al. **J Mol Biol** 99(4):591–607, 25 Dec 75

Mitochondrial protein synthesis in mouse L-cells: effect of selective nicking of mitochondrial DNA. Lansman RA, et al. **J Mol Biol** 99(4):777–93, 25 Dec 75

Translational Mapping of Bacteriophage T7 RNAs synthesized in vitro by purified T7 RNA polymerase. Niles EG, et al. **J Mol Biol** 98(1):57–67, 15 Oct 75

Bacteriophage T7 early promoters: nucleotide sequences of two RNA polymerase binding sites. Pribnow D. **J Mol Biol** 99(3):419–43, 15 Dec 75

Translation of the RNAs of brome mosaic virus: the monocistronic nature of RNA1 and RNA2. Shih DS, et al. **J Mol Biol** 103(1):77–88, 5 May 76

A mutation that confers temperature sensitivity on the translation of rIIB in bacteriophage T4. Singer BS, et al. **J Mol Biol** 103(3):627–46, 25 May 76

Direction of transcription of two ribosomal protein genes in Escherichia coli. Wittmann HG, et al. **J Mol Biol** 98(4):827–9, 15 Nov 75

Early to late switch in bacteriophage T7 development: no translational discrimination between T7 early messenger RNA and late messenger RNA. Yamada Y, et al. **J Mol Biol** 100(1):35–45, 5 Jan 76

Considerations regarding the regulation of gene transcription

and messenger translation. Fitch WM. **J Mol Evol** 1(1):185–207, 1971

Translational control of protein synthesis by tRNA unrelated to changes in tRNA concentration. Weiss GB. **J Mol Evol** 2(2–3):199–204, 1973

Evolution of nucleic acid replication: the possible role of simple repeating sequence polypeptides therein. Woese CR. **J Mol Evol** 2(2–3):205–8, 1973

Regulation of protein synthesis during postnatal maturation of the brain. Johnson TC. **J Neurochem** 27(1):17–23, Jul 76 (98 ref.)

Sub-cellular localisation of enhanced lysine incorporation into cerebral cortex proteins in dark-reared and light-exposed rats. Jones-Lecointe A, et al. **J Neurochem** 26(5):929–33, May 76

Physical and coding properties of poly(5–aminouridylic acid) and of 5–aminouridine–containing trinucleotides. Hillen W, et al. **J Sports Med** 1(4):347–56, 1973

Cellular protein synthesis shutoff by mengovirus: translation of nonviral and viral mRNA's in extracts from uninfected and infected Ehrlich ascites tumor cells. Abreu SL, et al. **J Virol** 18(1):182–94, Apr 76

T7 protein synthesis in F–factor–containing cells: evidence for an episomally induced impairment of translation and relation to an alteration in membrane permeability. Blumberg DD, et al. **J Virol** 17(1):94–105, Jan 75

Cell-free translation of influenza virus mRNA. Content J. **J Virol** 18(2):604–18, May 76

Translation of murine leukemia virus RNA in cell–free systems from animal cells. Kerr IM, et al. **J Virol** 18(2):627–35, May 76

Translation of individual host mRNA's in MPC–11 cells is differentially suppressed after infection by vesicular stomatitis virus. Nuss DL, et al. **J Virol** 19(2):572–8, Aug 76

7–Methyl–guanosine and efficiency of RNA translation. Shih DS, et al. **J Virol** 19(2):637–42, Aug 76

Translation of T7 RNA in vitro without cleavage by RNase III. Yamada Y, et al. **J Virol** 18(3):1155–9, Jun 76

Translation of the genes for the structural proteins of alphaviruses. Clegg JC, et al. **Med Biol** 53(5):383–6, Oct 75

Translation of Semliki forest virus 42S and 26S RNAs in two eukaryotic cell–free protein synthesising systems. Glanville N, et al. **Med Biol** 53(5):387–9, Oct 75

Translation of Semliki forest virus 42S and 26S RNAs in a cell–free system derived from Escherichia coli. Uomala P, et al. **Med Biol** 53(5):390–4, Oct 75

Distribution of globin genes in chicken reticulocyte chromatin fractionated on urografin gradients. Willetts BC, et al. **Mol Biol Rep** 2(6):479–86, Jul 76

Thyroid thermogenesis: minimal contribution of energy requirement for protein synthesis. Ismail–Beigi F, et al. **Mol Cell Endocrinol** 5(1–2):19–22, Jun–Jul 76

The role of IF–3 in the translation of T7– and phi80trp messenger RNA. Benne R, et al. **Mol Gen Genet** 139(4):311–9, 8 Sep 75

Cooperative control of translational fidelity by ribosomal proteins in Escherichia coli. III. A ram mutation in the structural gene for protein S5 (rpx E). Cabezón T, et al. **Mol Gen Genet** 144(1):59–62, 27 Feb 76

Parameters of gene expression in the bipolar argECBH operon of E. coli K12. The question of translational control. Cunin R, et al. **Mol Gen Genet** 140(1):51–60, 15 Sep 75

Cooperative control of translation fidelity by ribosomal proteins in Escherichia coli. I. Properties of ribosomal mutants whose resistance to neamine is the cumulative effect of two distinct mutations. De Wilde M, et al. **Mol Gen Genet** 142(1):19–33, 23 Dec 75

Conditional mutations in the translational apparatus of Bacillus subtils. Dubnau E, et al. **Mol Gen Genet** 147(1):1–12, 10 Aug 76

Control of gene expression in bacteriophage lambda: suppression of N mutants by mutations of the antirepressor. Galland P, et al. **Mol Gen Genet** 142(2):155–70, 29 Dec 75

Multiple regulation of nucleoside catabolizing enzymes: regulation of the deo operon by the cytR and deoR gene products. Hammer–Jespersen K, et al. **Mol Gen Genet** 137(4):327–35, 1975

Selective messenger translation by Bacillus subtilis ribosomes. Legualt–Démare L, et al. **Mol Gen Genet** 142(4):277–87, 31 Dec 76

Effect of different mutations in ribosomal protein S5 of Escherichia coli on translational fidelity. Piepersberg W, et al. **Mol Gen Genet** 140(2):91–100, 29 Sep 75

Cooperative control of translational fidelity by ribosomal proteins in Escherichia coli. II. Localization of amino acid replacements in proteins S5 and S12 altered in double mutants resistant to neamine. Yaguchi M, et al. **Mol Gen Genet** 142(1):35–43, 23 Dec 75

Mitochondrial biogenesis during fungal spore germination: products of mitochondrial protein synthesis in vivo. Brambl R, et al. **Nahrung** 20(1):606–17, 1976

Translation of RNA from unfertilised sea urchin eggs does not require methylation and is inhibited by 7–methylguanosine–5'–monophosphate. Hickey ED, et al. **Nature** 261(5555):71–2, 6 May 76

Messenger RNA for the coat protein of tobacco mosaic virus. Hunter TR, et al. **Nature** 260(5554):759–64, 29 Apr 76

Rapid loss of a novel phenylalanyl–tRNA on germination of Neurospora crassa conidia. Jervis HH, et al. **Nature** 258(5531):160–2, 13 Nov 75

Effect of ribothymidine in specific eukaryotic tRNAs on their efficiency in in vitro protein synthesis. Marcu KB, et al. **Nature** 261(5556):159–62, 13 May 76

Translation in vitro of vesicular stomatitis virus mRNA lacking 5'–terminal 7–methylguanosine. Rose JK, et al. **Nature** 262(5563):32–7, 1 Jul 76

Translation of oncogenic virus RNA in Xenopus laevis oocytes. Salden M, et al. **Nature** 259(5545):696–99, 26 Feb 76

Post–transcription control of isocitrate lyase induction in the eukaryotic alga Chorella fusca. Scragg AH, et al. **Nature** 257(5526):498–501, 9 Oct 75

Base pairing and fidelity in codon–anticodon interaction. Topal MD, et al. **Nature** 263(5575):289–93, 23 Sep 76

Isolation and in vitro translation of human placental lactogen messenger RNA from human term placenta. Hubert C, et al. **Nucleic Acids Res** 2(10):1903–10, Oct 75

Preparation of pancreatic mRNA: cell–free translation of an insulin–immunoreactive polypeptide. Lomedico PT, et al. **Nucleic Acids Res** 3(2):381–91, Feb 76

Order of transcription of genes of vesicular stomatitis virus. Ball LA, et al. **Proc Natl Acad Sci USA** 73(2):442–6, Feb 76

Coupled in vitro transcription and translation of vesicular stomatitis virus messenger RNA. Breindl M, et al. **Proc Natl Acad Sci USA** 72(7):2545–9, Jul 75

Hemoglobin synthesis in somatic cell hybrids: coexpression of mouse with human or chinese hamster globin genes in interspecific somatic cell hybrids of mouse erythroleukemia cells. Deisseroth A, et al. **Proc Natl Acad Sci USA** 72(7):2682–6, Jul 75

Variant forms of mitochondrial translation products in yeast: evidence for location of determinants on mitochondrial DNA. Douglas MG, et al. **Proc Natl Acad Sci USA** 73(4):1083–6, Apr 76

Control of protein synthesis in reticulocyte lysates: effects of 3':5'–cyclic AMP, ATP, and GTP on inhibitions induced by hemedeficiency, double–stranded RNA, and a reticulocyte translationa inhibitor. Ernst V, et al. **Proc Natl Acad Sci USA** 73(4):1112–6, Apr 76

Polypeptide chain initiation in eukaryotes: initiation factor requirements for translation of natural messengers. Filipowicz W, et al. **Proc Natl Acad Sci USA** 73(1):44–8, Jan 76

Translation of nonpolyadenylylated messenger RNA of sea urchin embryos. Fromson D, et al. **Proc Natl Acad Sci USA** 73(1):148–51, Jan 76

Snythesis and differentiation of plasma proteins in cultured embryonic chicken liver cells: a system for study of regulation of protein synthesis. Grieninger G, et al. **Proc Natl Acad Sci USA** 72(12):5007–11, Dec 75

In vitro synthesis of a constitutive enzyme of Escherichia coli, 6–phosphogluconate dehydrogenase. Isturiz T, et al. **Proc Natl Acad Sci USA** 72(11):4381–4, Nov 75

Allosteric mechanism for codon–dependent tRNA selection on ribosomes. Kurland CG, et al. **Proc Natl Acad Sci USA** 72(11):4248–51, Nov 75

Sequential translation of nonstructural proteins in cells infected with a Semliki Forest virus mutant. Lachmi BE, et al. **Proc Natl Acad Sci USA** 73(6):1936–40, Jun 76

Parallel changes in puffing activity and patterns of protein synthesis in salivary glands of Drosophila. Lewis M, et al. **Proc Natl Acad Sci USA** 72(9):3604–8, Sep 75

Regulation of protein synthesis in rabbit reticulocyte lysates: characteristics of inhibition of protein synthesis by a translational inhibitor from heme–deficient lysates and its relationship to the initiation factor which binds Met–tRNAf. Ranu RS, et al. **Proc Natl Acad Sci USA** 73(8):2720–4, Aug 76

Relationship of the first step in protein synthesis to ppGpp: formation of A(5')ppp(5')Gpp. Rapaport E, et al. **Proc Natl Acad Sci USA** 72(7):2653–7, Jul 75

Interferon activity produced by translation of human interferon messenger RNA in cell–free ribosomal systems and in Xenopus oöcytes. Reynolds FH Jr, et al. **Proc Natl Acad Sci USA** 72(12):4881–5, Dec 75

Purification and characterization of two initiation factors required for maximal activity of a highly fractionated globin mRNA translation system. Safer B, et al. **Proc Natl Acad Sci USA** 73(8):2584–8, Aug 76

Region of immunoglobulin light–chain mRNA transcribed into complementary DNA by RNA–dependent DNA polymerase of avian myeloblastosis virus. Schechter I. **Proc Natl Acad Sci USA** 72(7):2511–4, Jul 75

Regulation of synthesis of hepatic fatty acid synthetase: polysomal translation in a cell–free system. Strauss AW, et al. **Proc Natl Acad Sci USA** 72(11):4366–70, Nov 75

Synthesis of specific functional messenger RNA in vitro by phage–SP01–modified RNA polymerase of Bacillus subtilis. Swanton M, et al. **Proc Natl Acad Sci USA** 72(12):4886–90, Dec 75

Biosynthesis of mouse interferon by translation of its messenger RNA in a cell–free system. Thang MN, et al. **Proc Natl Acad Sci USA** 72(10):3975–7, Oct 75

Translation of thyroglobulin 33S messenger RNA as a means of determining thyroglobulin quaternary structure. Vassart G, et al. **Proc Natl Acad Sci USA** 72(10):3839–43, Oct 75

Complete translation of poliovirus RNA in a eukaryotic cell–free system. Villa–Komaroff L, et al. **Proc Natl Acad Sci USA** 72(10):4157–61, Oct 75

Transcription–translation and translation–messenger RNA decay coupling: separate mechanisms for different messengers. Walker AC, et al. **Proc Natl Acad Sci USA** 73(4):1126–30, Apr 76

Strand–selective transcription of globin genes in rabbit erythroid cells and chromatin. Wilson GN, et al. **Proc Natl Acad Sci USA** 72(12):4835–9, Dec 75

Translation of messenger ribonucleic acid from isolated pancreatic islets and human insulinomas. Yip CC, et al. **Proc Natl Acad Sci USA** 72(12):77709, Dec 75

Novel mechanism for translational control in regulation of ferritin synthesis by iron. Zähringer J, et al. **Proc Natl Acad Sci USA** 73(3):857–61, Mar 76

Information transfer and sperm uptake by mammalian somatic cells. Bendich A, et al. **Prog Nucleic Acid Res Mol Biol** 17:43–75, 1976 (121 ref.)

Factors regulating atrophy and growth of the heart in hypophysectomized rats. Morgan HE, et al. **Recent Adv Stud Cardiac Struct Metab** 3:561–73, 1973

Rabbit hemoglobin from frog eggs. Lane C. **Sci Am** 235(2):61–9, 71, Aug 76

Reticulocyte transfer RNA and hemoglobin synthesis. Smith DW. **Science** 190(4214):529–35, 7 Nov 75 (68 ref.)

Mitochondrial RNA and protein metabolism. Avadhani NG, et al. **Subcell Biochem** 4(2):93–145, Jun 76

Cross reactivity between H–2K and H–2D products. II. Identification of the cross reacting specificities. Murphy DB, et al. **Transplantation** 20(6):443–56, Dec 75

Studies on the in vitro transcription and translation of vesicular stomatitis virus mRNA. Breindl M, et al. **Virology** 73(1):106–18, Aug 76

In vitro and in vivo translation of the ribonucleic acids of a cowpea strain of tobacco mosaic virus. Bruening G, et al. **Virology** 71(2):498–517, Jun 76

Regulation of gene activity in bacteriophage M13 DNA: Coupled transcription and translation of purified genes and gene–fragments. Hondel CA, et al. **Virology** 67(2):487–97, Oct 75

In vitro translation of encephalomyocarditis viral RNA: synthesis of capsid precursor–like polypeptides. Hunt LA. **Virology** 70(2):484–92, Apr 76

Translation of tobacco rattle virus RNA in vitro using wheat germ extracts. Mayo MA, et al. **Virology** 69(2):408–15, Feb 76

Translation of alfalfa mosaic virus RNA's in mammalian cell–free systems. Mohier E, et al. **Virology** 68(2):349–59, Dec 75

Analysis of alfalfa mosaic virus 17 S RNA translational products. Mohier E, et al. **Virology** 71(2):615–8, Jun 76

Evidence for control of translation of the viral genome during replication of Mengo virus and poliovirus. Paucha E, et al. **Virology** 67(1):300–5, Sep 75

Evidence for control of translation of the viral genome during replication of Mengo virus and poliovirus. Paucha E, et al. **Virology** 67(1):300–5, Sep 75

In vitro translation of influenza virus messenger RNAs. Richey MB, et al. **Virology** 72(2):410–20, 15 Jul 76

In vitro translation of natural mRNAs in a cell–free system containing components from interferon–treated chicken fibroblasts and factor preparations from mouse ascites cells or rabbit reticulocytes. Hiller G, et al. **Z Naturforsch [C]** 30(3):398–405, May–Jun 75

[Natural history of molecular pathology] Biserte G. **Ann Biol Clin (Paris)** 33(4):261–80, 1975 (24 ref.) (Eng. Abstr.) **(Fre)**

[Genes of immunoglobulin (author's transl)] Honjo T. **Protein Nucleic Acid Enzyme (Tokyo)** 20(12):1145–53, Oct 75 (45 ref.) **(Jpn)**

[The role of ribosomal proteins in translation in Procaryota (author's transl)] Grankowski N. **Postepy Biochem** 22(2):173–95, 1976 **(Pol)**

[Determination of the time of polypeptide chain synthesis in animal experiments] Leytin VL, et al. **Biokhimiia** 40(3):513–20, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Functional activity of information RNA isolated from Krebs–II cells infected with encephalomyocarditis viruses] Ugarova TIu, et al. **Dokl Akad Nauk SSSR** 223(5):1269–72, 11 Aug 75 **(Rus)**

[Participation of dnaG+ gene product in the repair of gamma–induced damage to Escherichia coli DNA] Zhestianikov VD, et al. **Dokl Akad Nauk SSSR** 226(6):1439–42, 21 Feb 76 **(Rus)**

[Common starting point for transcription and translation in genes 34 and 35 of bacteriophage T4D] Mekshenkov MI, et al. **Genetika** 10(12):115–20, Dec 74 (Eng. Abstr.) **(Rus)**

[The interaction between newly-formed mRNA and ribosomal particles during retarded translation] Leĭtin VL, et al. **Mol Biol (Mosk)** 9(6):845–55, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Analysis of the structure of DNA cistrons coding proteins with known sequences] Mazin AL, et al. **Mol Biol (Mosk)** 9(5):716–24, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Analysis of the structure of DNA cistrons coding proteins with known sequences] Mazin AL, et al. **Mol Biol (Mosk)** 9(5):716–24, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The ratio of coat protein to bacteriophage f2 RNA in the translational repressor complex] Shafranski P, et al. **Mol Biol (Mosk)** 9(1):78–85, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Factors participating in regulation of protein biosynthesis] Guluy MF. **Ukr Biokhim Zh** 47(5):551–66, Sep–Oct 75 (145 ref.) (Eng. Abstr.) **(Rus)**

[Regulation of protein biosynthesis at the translation level. I. Methods of determining kinetic parameters of translation] Leĭtin VL. **Usp Sovrem Biol** 79(3):323–41, May–Jun 75 (78 ref.) **(Rus)**

[Regulation of the biosynthesis of protein at the level of translation. II. Analysis of the means of regulation by determination of the kinetic parameters of translation] Leltin VL. **Usp Sovrem Biol** 80(1):22–38, Jul–Aug 75 (467 ref.) **(Rus)**

[Interrelation between changes in RNA transcription and glycine–14C incorporation into protein peculiar to hepatoma PC–1] Polishchik AS, et al. **Ukr Biokhim Zh** 48(1):67–71, Jan–Feb 76 **(Ukr)**

[Studies on the possibility of mRNA translation for interferon in the heterologic systems] Verkhats'ka AA. **Ukr Biokhim Zh** 48(1):61–3, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

On the effect of inhibitors of transcription and translation on RNA and protein synthesis by isolated rat liver mitochondria. Gadaleta MN, et al. **Arch Biochem Biophys** 172(1):238–45, Jan 76

Chloramphenicol resistant mitochondrial protein synthesis in Crithidia fasciculata. Hill RC, et al. **Arch Biochem Biophys** 170(2):392–9, Oct 75

Purification and partial characterization of the antiviral protein from Phytolacca americana which inhibits eukaryotic protein synthesis. Irvin JD. **Arch Biochem Biophys** 169(2):522–8, Aug 75

In vitro protein synthesis at elevated temperature by an extract of an extreme thermophile. Effects of polyamines on the polyuridylic acid–directed reaction. Ono–Iwashita Y, et al. **Arch Biochem Biophys** 171(2):490–9, Dec 75

Dissociation of ribonucleic acid and protein synthesis in mammalian cells deprived of potassium. Pollack M, et al. **Arch Biochem Biophys** 172(1):189–90, Jan 76

Inhibition by lipoperoxidation of amino acid incorporation by rough microsomal membranes in vitro and its partial reversibility. Shires TK. **Arch Biochem Biophys** 171(2):695–707, Dec 75

Effect of chloramphenicol and starvation for an essential amino acid on polypeptide and polyribonucleotide synthesis in Escherichia coli infected with bacteriophage T4. Witmer HJ, et al. **Arch Biochem Biophys** 169(2):406–14, Aug 75

Control of protein synthesis in reticulocyte lysates: the effect of nucleotide triphosphates on formation of the translational repressor. Balkow K, et al. **Biochem Biophys Res Commun** 67(1):366–75, 3 Nov 75

Thyrotropin–releasing hormone increases prolactin mRNA activity in the cytoplasm of GH–cells as measured by translation in a wheat germ cell–free system. Dannies PS, et al. **Biochem Biophys Res Commun** 70(4):1180–9, 21 Jun 76

Effect of glucocorticoids on fetoprotein production by an established cell line from Morris hepatoma 8994. de Nechaud B, et al. **Biochem Biophys Res Commun** 68(1):8–15, 12 Jan 76

Defective 30S ribosomal particles in a polyamine auxotroph of Escherichia coli. Echandi G, et al. **Biochem Biophys Res Commun** 67(3):1185–91, 1 Dec 75

The inhibition of translation of synthetic polyribonucleotides and mengo RNA in extracts from interferon–treated L cells and its reversion by yeast tRNAs. Falcoff R, et al. **Biochem Biophys Res Commun** 68(4):1323–31, 23 Feb 76

Reversal of the inhibitory action of the hemin–controlled translational repressor by a post–ribosomal supernatant factor from rabbit reticulocyte lysate. Gross M. **Biochem Biophys Res Commun** 67(4):1507–15, 15 Dec 75

Dependency of spermidine stimulation of polypeptide synthesis on the uracil content of messenger ribonucleic acid. Igarashi K, et al. **Biochem Biophys Res Commun** 67(1):407–13, 3 Nov 75

Preferential effect of oestradiol 17 beta in vivo on the protein synthetic activity of uterine membrane–bound ribosomes. Khawaja JA. **Biochem Biophys Res Commun** 71(1):249–56, 12 Jul 76

Interferon inhibition of protein synthesis by isolated mitochondria. Kortsaris A, et al. **Biochem Biophys Res Commun** 68(4):1317–22, 23 Feb 76

Dual actions of viomycin on the ribosomal functions. Liou YF, et al. **Biochem Biophys Res Commun** 71(2):477–83, 26 Jul 76

A non–penetrating thiol reagent mimics cytochalasin A inhibition of secretory protein synthesis. Manavathu EK, et al. **Biochem Biophys Res Commun** 71(1):280–5, 12 Jul 76

Inhibition of in vitro protein synthesis by Shigella dysenteriae 1 toxin. Thompson MR, et al. **Biochem Biophys Res Commun** 71(3):783–8, 9 Aug 76

The molecular mechanism of benzimidazole mutagenicity: in vitro studies on transcription and translation. Seiler JP. **Biochem Genet** 13(9–10):635–41, Oct 75

The effect of inhibitors in vivo on protein synthesis and the amino acid pool in the sheep blowfly, Lucilia cuprina. Campbell AJ, et al. **Biochem J** 150(2):277–34, Aug 75

Reduced incorporation of (3H)leucine into cerebral proteins after long–term ethanol treatment. Morland J, et al. **Biochem Pharmacol** 25(2):220–1, 15Jan 76

Mechanims of stimulation of in vitro protein synthesis by some copolymers of styrene, vinyluracil, and vinyladenine with maleic acid and acrylic acid. Boguslawski S, et al. **Biochemistry** 15(16):3536–40, 10 Aug 76

Regulation of ornithine decarboxylase in 3T3 cells by putrescine and spermidine: indirect evidence for translational control. Clark JL, et al. **Biochemistry** 14(20):4403–9, 7 Oct 75

Effect of thyroid hormones on the level of the hepatic mRNA for alpha2u globulin. Kurtz DT, et al. **Biochemistry** 15(5):1031–6, 9 Mar 76

Inhibitors of protein synthesis in eukarytic cells. Comparative effects of some amaryllidaceae alkaloids. Jimenez A, et al. **Biochim Biophys Acta** 425(3):342–8, 17 Mar 76

Effect of ricin on biosynthesis of myeloma protien (IgA) and general cellular proteins in MOPC–315 cells. Lo TS, et al. **Biochim Biophys Acta** 414(2):155–60, 4 Dec 75

Dependence of gonadotropin–induced steroidogenesis upon RNA and protein synthesis in the interstitial cells of the rat testis. Mendelson C, et al. **Biochim Biophys Acta** 411(2):222–30, 5 Dec 75

Inhibition of protein and nucleic acid synthesis of animal cells in vitro mediated by high molecular weight inhibitors in human liver extract. Nilsson G. **Biochim Biophys Acta** 418(3):376–96, 5 Feb 76

Estradiol–induced synthesis of vitellogenin. II. Immunochemical characterization of vitellogenin polysomes. Roskam WG, et al. **Biochim Biophys Acta** 435(1):91–4, 2 Jun 76

Estradiol–induced synthesis of vitellogenin. I. The isolation of large polysomes from estrogenized rooster liver. Roskam WG, et al. **Biochim Biophys Acta** 435(1):82–90, 2 Jun 76

Evidence supporting a physiological role for the hemin–controlled translational repressor of globin synthesis in reticulocytes. Schulman HM. **Biochim Biophys Acta** 414(2):161–6, 4 Dec 75

Stimulatory actions of thyrotropin and dibutyryl cyclic AMP on transcription and translation in the regulation of thyroidal protein synthesis. Sherwin JR, et al. **Biochim Biophys Acta** 425(4):502–10, 2 Apr 76

Effects of estrogen and progesterone on transcription, chromatin and ovalbumin gene expression in the chick oviduct. Spelsberg TC, et al. **Biochim Biophys Acta** 435(4):376–90, 16 Jul 76

Effect of estrogen on the synthesis and processing of ovalbumin messenger RNA in the chick oviduct. Rosen JM, et al. **Brookhaven Symp Biol** (26):320–32, Jul 75

Persistent effects of ouabain treatment on human lymphocytes: synthesis of DNA, RNA and protein in stimulated and unstimulated cells. Dornand J, et al. **Can J Biochem** 54(3):280–6, Mar 76

An environmental chemical, polychlorinated biphenyl, increases the protein synthesizing activity of liver and kidney pH 5 supernatant fractions. Cappon ID, et al. **Chem Biol Interact** 14(1–2):127–34, Jul 76

Effects of methylation of the beta–galactosidase genome upon in vitro synthesis of beta–galactosidase. Chen B, et al. **Chem Biol Interact** 14(1–2):101–11, Jul 76

Effect of plumbous ion on messenger RNA. Farkas WR. **Chem Biol Interact** 11(4):253–63, Oct 75

On the mechanism of protein–synthesis inhibition by abrin and ricin. Inhibition of the GTP–hydrolysis site on the 60–S ribosomal subunit. Benson S, et al. **Eur J Biochem** 59(2):573–80, 15 Nov 75

Functional relationships between a reticulocyte polypeptide–chain–initiation factor (IF–MP) and the translational inhibitor involved in regulation of protein synthesis by haemin. Clemens MJ. **Eur J Biochem** 66(2):413–22, 1 JUL 76

Translational step inhibited in vivo by aflatoxin B1 in rat–liver polysomes. Sarasin A, et al. **Eur J Biochem** 54(2):329–40, Jun 75

Effect of cadmium on RNA–polymerase and protein sythesis in rat liver. Hidalgo HA, et al. **FEBS Lett** 64(1):159–62, 15 Apr 76

Inhibition of Neurospora crassa and yeast mitochondrial protein synthesis by ricin, a toxic protein inactive on E. coli protein synthesis. Lugnier AA, et al. **FEBS Lett** 66(2):202–5, 15 Jul 76

Effect of N6,O2'–dibutyryl cyclic AMP treatment of lymphoma cells on the translation of globin mRNA by cell–free extracts. Negreanu J, et al. **FEBS Lett** 64(2):423–8, 1 May 76

Translation of alfalfa mosaic virus RNA. Effect of polyamines. Thang MN, et al. **FEBS Lett** 61(1):85–90, 01 Jan 76

Inhibition of protein synthesis in reticulocyte lysates by double–stranded ribonucleic acid extracted from nuclei of leukemic cells. Torelli U, et al. **FEBS Lett** 56(1):96–100, 1 Aug 75

Protein synthesis and amino acid accumulation during development in the rat: dissociation of diaphragm and heart muscle sensitivity to insulin. Asplund K. **Horm Res** 6(1):12–9, 1975

The hepatic protein synthesising response to alcohol and fasting. pp. 179–88. Rothschild MA, et al. **In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.**

Study on the interferon–induced translation inhibition of synthetic polynucleotides. Reversion by yeast tRNA. pp. 363–8. Falcoff R, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Translation of viral and cellular m–RNAs in extracts from interferon–treated cells. pp. 373–8. Gross HJ, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Control of mRNA translation by specific tRNAs in extracts from interferon treated mouse cells. pp. 397–405. Revel M, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Regulation of protein synthesis by peptide hormones. pp. 377–85. King RJ. **In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976.** (51 ref.)

Inhibition of polypeptide synthesis by tRNA fractions in rat liver cell–free systems. Igarashi K, et al. **J Biochem (Tokyo)** 77(6):1325–33, Jun 75

Comparison of the activities for polypeptide synthesis of polysomes prepared with different detergents from normal and regenerating rat liver. Tominaga T, et al. **J Biochem (Tokyo)** 77(6):1255–9, Jun 75

Beta–Galactosidase messenger RNA made during recovery from inhibition of protein synthesis is not translated. Ennis HL, et al. **J Biol Chem** 251(9):2854–60, 10 May 76

Structure and function of initiation complexes which accumulate during inhibition of protein synthesis by fluoride ion. Godchaux W 3d, et al. **J Biol Chem** 251(2):292–301, 25 Jan 76

Studies on the lactose operon. The control of DNA–directed in vitro protein synthesis by interference factor i–alpha. Kung HF, et al. **J Biol Chem** 250(22):8780–4, 25 Nov 75

Mode of action of bottromycin A2. Release of aminoacyl– or peptidyl–tRNA from ribosomes. Otaka T, et al. **J Biol Chem** 251(8):2299–306, 25 Apr 76

Effects of estrogen on gene expression in chick oviduct. The role of chromatin proteins in regulating transcription of the ovalbumin gene. Tsai SY, et al. **J Biol Chem** 251(15):4713–21, 10 Aug 76

Role of creatine in the regulation of cardiac protein synthesis. Ingwall JS, et al. **J Cell Biol** 68(1):159–63, Jan 76

Analysis of bacteriophage T4 chloramphenicol RNA by DNA–RNA hybridization and by cell–free protein synthesis, and the effect of Escherichia coli polarity–suppressing alleles on its synthesis. Young ET. **J Mol Biol** 96(3):393–424, 15 Aug 75

Interferon treatment of Ehrlich ascites tumor cells: effects on exogenous mRNA translation and tRNA inactivation in the cell extract. Sen GC, et al. **J Virol** 17(1):191–203, Jan 75

Interaction between membrane properties and proteins synthesis in reticulocytes – a two step inhibition of protein synthesis by valinomycin. Breitbart H, et al. **Mol Biol Rep** 2(2):167–73, Jul 75

The nature of the differential inhibition of polyphenylalanine synthesis in extracts from Artemia salina and rabbit reticulocytes by the Phytolacca americana protein. Suits JP, et al. **Mol Biol Rep** 2(5):363–7, Apr 76

Antibiotics and compounds affecting tanslation by eukaryotic ribosomes. Specific enhancement of aminoacyl–tRNA binding by methylaxnthines. Carrasco L, et al. **Mol Cell Biochem** 10(2):97–122, 16 Feb 76 (74 ref.)

Absence of an inhibitory effect of oestradiol on LH–RH induced release of LH in vitro caused by inhibition of protein synthesis. de Koning J, et al. **Mol Cell Endocrinol** 4(5):289–95, May 76

LH–RH–dependent synthesis of protein necessary for LH release from rat pituitary glands in vitro. de Koning J, et al. **Mol Cell Endocrinol** 5(1–2):151–60, Jun–Jul 76

Action of hydrocortisone at a translational level in the rat liver. Kulkarni SB, et al. **Mol Cell Endocrinol** 4(3):195–203, Feb 76

Morphological and biochemical changes in the hepatic endoplasmic reticulum and golgi apparatus of male Xenopus laevis after induction of egg–yolk protein synthesis by oestradiol–17 beta. Lewis JA, et al. **Mol Cell Endocrinol** 4(5):311–29, May 76

Specificities in the synthesis of a cytoplasmic estrogen–induced uterine protein. Sömjen D, et al. **Mol Cell Endocrinol** 4(5):353–8, May 76

Modulation of the synthesis in vitro of a hormone–induced protein by transfer RNA. Sharma OK, et al. **Nature** 262(5563):62–3, 1 Jul 76

Translation of hormone–induced messenger RNA in amphibian oocytes: I. Induction by estrogen of messenger RNA encoded for vitellogenic protein in the liver of the male African clawed toad (Xenopus laevis). Lanclos KD, et al. **Proc Natl Acad Sci USA** 72(10):3934–8, Oct 75

Association of a cyclic AMP–dependent protein kinase with a purified translational inhibitor isolated from hemin–deficient rabbit reticulocyte lysates. Levin DH, et al. **Proc Natl Acad Sci USA** 72(12):4849–53, Dec 75

Selective effects of inhibitors of protein synthesis on metabolism of nuclear anc cytoplasmic proteins: evidence for coordinate synthesis of non–histone chromosomal proteins. Vidali G, et al. **Proc Natl Acad Sci USA** 72(11):4450–4, Nov 75

Effect of estrogen on gene expression: purification of vitellogenin messenger RNA. Wetekam W, et al. **Proc Natl Acad Sci USA** 72(9):3364–8, Sep 75

Insights into protein biosynthesis and ribosome function through inhibitors. Pestka S. **Prog Nucleic Acid Res Mol Biol** 17:217–45, 1976 (45 ref.)

Temperature–dependent ethanol inhibition of [14C]leucine incorporation in mouse heart slices. Gailis L. **Recent Adv Stud Cardiac Struct Metab** 7:443–9, 1975

The effects of polyamines on cardiac protein biosynthesis. Gibson K, et al. **Recent Adv Stud Cardiac Struct Metab** 7:71–6, 1975

Failure of globin mRNA to stimulate globin synthesis in cell–free extracts of interferon–treated globin–synthesizing mouse erythroleukemic cells. Hillier G, et al. **Virology**

69(1):360–3, Jan 76
[Proceedings: Susceptibility of endogenous mRNA translation to emetine and cycloheximide in cell free systems from plasma cell tumors, reticulocytes and liver] Emmerich B, et al. **Hoppe Seylers Z Physiol Chem** 356(3):228, Mar 75 **(Ger)**
[Kinetics of the in vivo synthesis of the polypeptide chain; the effect of translation inhibitors] Leĭtin VL, et al. **Biokhimiia** 40(5):1060–70, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Relation of working cycle stages of factorless ('nonenzymatic') translation to magnesium concentration] Belitsina NV, et al. **Dokl Akad Nauk SSSR** 224(5):1205–8, 11 Oct 75 **(Rus)**
[Studies on the mechanism of translocation in ribosomes. V. Comparison of the effect of antibiotic inhibitors of ribosomes on 'enzymatic' and 'non–enzymatic' translation] Kostiashkina OE, et al. **Mol Biol (Mosk)** 9(5):775–82, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Studies on the mechanism of translocation in ribosomes. V. Comparison of the effect of antibiotic inhibitors of ribosomes on 'enzymatic' and 'non–enzymatic' translation] Kostiashkina OE, et al. **Mol Biol (Mosk)** 9(5):775–82, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[The regulator effect of fructose–1,6–diphosphate and cyclic adenosine monophosphate on protein and RNA synthesis by isolated mitochondria] Neĭfakh SA, et al. **Mol Biol (Mosk)** 9(3):341–50, May–Jun 75 (Eng. Abstr.) **(Rus)**
[The regulator effect of fructose–1,6–diphosphate and cyclic adenosine monophosphate on protein and RNA synthesis by isolated mitochondria] Neĭfakh SA, et al. **Mol Biol (Mosk)** 9(3):341–50, May–Jun 75 (Eng. Abstr.) **(Rus)**
[The effect of inhibition of protein synthesis on some biochemical and functional activities of the brain in chick embryos] Bogdanov OV, et al. **Zh Evol Biokhim Fiziol** 11(2):171–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Retardation of growth and development of rats induced by inhibition of protein synthesis at early postnatal ontogenesis] Rozanova VD, et al. **Zh Evol Biokhim Fiziol** 11(5):533–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Peculiarities of RNA synthesis in sections of rat liver tissues and cells of chicken embryos under conditions of protein synthesis inhibition] Halkin AP, et al. **Ukr Biokhim Zh** 47(3):295–8, May–Jun 75 (Eng. Abstr.) **(Ukr)**

TRANSLATIONS

Letter: Locating scientific translations. Black L. **N Engl J Med** 294(1):59–60, 1 Jan 76

TRANSLOCATION (GENETICS) see under **CHROMOSOME ABERRATIONS**

TRANSMISSIBLE ENTERITIS OF TURKEYS see **ENTERITIS, TRANSMISSIBLE, OF TURKEYS**

TRANSPHOSPHORYLASES see **PHOSPHOTRANSFERASES**

TRANSPLANTATION

see related
HISTOCOMPATIBILITY TESTING
NEOPLASM TRANSPLANTATION
TISSUE DONORS
TISSUE PRESERVATION

The incidence of malignancies in transplant recipients. pp. 185–8. Penn I.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.
Comparison of some properties of tissue grafts sterilized by cold shock and ionizing radiation. pp. 203–14. Klen R, et al.
In: Radiosterilization of medical products 1974, Vienna, International Atomic Energy Agency, 1975. W3 SY526R 1974r.
Microflora of stored grain in international trade. Wallace HA, et al. **Mycopathologia** 57(3):171–6, 31 Dec 75
Cancer in organ transplant recipients. Penn I. **Prog Clin Cancer** 6:37–49, 1975
Tissue transplantation in dentistry. Boyne PJ. **Transplant Proc** 8(2 Suppl 1):83–7, Jun 76
Current scope of the U.S. Navy Tissue Bank. Friedlaender GE, et al. **Transplant Proc** 8(2 Suppl 1):21–4, Jun 76
Tissue banking in Czechoslovakia. Klen R. **Transplant Proc** 8(2 Suppl 1):49–51, Jun 76
Standards for tissue banks and transplantation. Meyer HM Jr. **Transplant Proc** 8(2 Suppl 1):253–5, Jun 76
Tissue banking and transplantation in perspective. Sell KW. **Transplant Proc** 8(2 Suppl 1):3–5, Jun 76
Northern California Transplant Bank. Smith MF. **Transplant Proc** 8(2 Suppl 1):59–61, Jun 76
[The Hungarian transplantation law] Serényi P, et al. **Beitr Gerichtl Med** 33:43–5, 1975 (Eng. Abstr.) **(Ger)**
[Expert adviser's suggestion of transplantation bill] Samson E. **Dtsch Med Wochenschr** 101(4):125–8, 23 Jan 76 **(Ger)**
[Postmortal organ explantation. Motivation and the law] Wimmer A. **Fortschr Med** 94(5):221–2, 244, 12 Feb 76 **(Ger)**
[Legal solutions for transplantation problems] Becker W. **Med Klin** 71(22) 28 May 76 **(Ger)**
[Italian achievements in the field of organ transplantation and tissue typing in the year 1974] **Riv Emoter Immunoematol** 22(1–2):65–71, 1975 **(Ita)**

ADVERSE EFFECTS

Transplantation arteriopathy. Mihatsch MJ, et al. **Pathol Microbiol (Basel)** 43(2–O):219–23, 1975

HISTORY

A 'basic' predecessor of 'applied' heart transplantation. Weiss PA. **Perspect Biol Med** 19(1):1–6, Autumn 75
Concerning the origins and prospects of cryobiology and tissue banks. Billingham RE. **Transplant Proc** 8(2 Suppl 1):7–13, Jun 76
Tissue banking in the U.S.S.R. Cohen E. **Transplant Proc** 8(2 Suppl 1):39–42, Jun 76
Tissue banking in England. Dexter F. **Transplant Proc** 8(2 Suppl 1):43–8, Jun 76
The founding of the U.S. Navy Tissue Bank. Hyatt GW. **Transplant Proc** 8(2 Suppl 1):17–20, Jun 76
[Contribution of V.P. Filatov to the development of surgery (on the centenary of his birth)] Mirskiĭ MB. **Khirurgiia (Mosk)** (7):140–1, Jun 75 **(Rus)**

INSTRUMENTATION

A simple apparatus for expanding split–skin grafts. D'Hooghe P. **Plast Reconstr Surg** 57(3):387–8, Mar 76

METHODS

[Surgical aspects of organ transplantation in rats] Rozvadovskiĭ VD, et al. **Vestn Akad Med Nauk SSSR** (7):74–8, 1975 (Eng. Abstr.) **(Rus)**
[Plastic material used in tympanoplasty for restoration of the integrity of the tympanic membrane (a review of the literature)] Protasevich GS. **Zh Ushn Nos Gorl Bolezn** (5):109–14, Sep–Oct 75 **(Rus)**

TRANSPLANTATION, ALLOGENEIC see under **TRANSPLANTATION, HOMOLOGOUS**

TRANSPLANTATION ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

TRANSPLANTATION, AUTOLOGOUS

Histo–physiological study of hypophysectomized dogs in which the hypophysis was replaced by parotid gland. Araujo RL, et al. **Acta Physiol Lat Am** 25(1):12–22, 1975
Experience in the application of porcine xenografts to split–graft donor sites. Aronoff M, et al. **J Trauma** 16(4):280–3, Apr 76
Ex vivo surgical dissection. Autotransplantation in renal disease. McLoughlin MG, et al. **JAMA** 235(16):1705–7, 19 Apr 76
The adverse effect of high–dose steroids on renal autografts and homografts. Tremann JA, et al. **Surgery** 79(4):370–6, Apr 76
[Changes in the physiol working capacity of rats following splenectomy and autologous transplantation of part of the spleen] Chakurov S. **Eksp Med Morfol** 14(1):16–20, 1975 **(Bul)**
[Technic of free autologous mucosal grafts] Busschop J, et al. **Rev Belge Med Dent** 30(3):215–23, 1975 **(Dut)**
[A combined method of autologous bone grafts and collagen allografts for the prevention of bone pockets] Busschop J, et al. **Rev Belge Med Dent** 31(1):3–14, 1976 (Eng. Abstr.) **(Dut)**
[The effectiveness of autologous transplantation of spongy tissue of bone in accident surgery (author's transl)] Martinek VH, et al. **Wien Klin Wochenschr** 88(4):131–3, 20 Feb 76 (Eng. Abstr.) **(Ger)**
[Studies on the replantation of autologous full thickness skin grafts using highly concentrated fibinogen and clotting factor XIII] Braun VF, et al. **Wien Med Wochenschr** 125(14):213–9, 4 Apr 75 **(Ger)**
[Renal autotransplantation as a treatment of renovascular lesions] Menezes de Góes G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):391–6, Sep–Oct 75 (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

The Sparks' mandril graft. A seven year follow–up of mandril grafts placed by Charles H. Sparks and his associates. Hallin RW, et al. **Am J Surg** 132(2):221–3, Aug 76
Complications of dermal graft protection of carotid artery. Dedo DD, et al. **Arch Otolaryngol** 101(11):649–51, Nov 75

HISTORY

Historical aspects in the development of venous autografts. Harrison LH Jr. **Ann Surg** 183(2):101–6, Feb 76

INSTRUMENTATION

New instruments for use in hair transplants techniques. Baran R. **J Dermatol Surg** 1(1):47–8, Apr 75
Advantages of the electric power driven punch in hair transplants. Norwood OT. **J Dermatol Surg** 1(3):39–40, Oct 75

METHODS

Subglottic enlargement using cartilage–mucosa autograft. A preliminary experimental study. Thomas GK, et al. **Arch Otolaryngol** 101(11):689–92, Nov 75
Free groin skin flaps. Harii K, et al. **Br J Plast Surg** 28(4):225–37, Oct 75
Hallux–to–hand transfer. O'Brien BM, et al. **Hand** 7(2):128–33, Jun 75
Transplantation of a toe to an amputated finger. Ohmori K, et al. **Hand** 7(2):134–8, Jun 75
Long–term followup on expansion and meshed split thickness grafting of burns. pp. 20–59. MacMillan BG.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 161u 1973.
Giant–cell tumor of the radius treated by massive resection and tibial bone graft. Campbell CJ, et al. **J Bone Joint Surg [Am]** 57(7):982–6, Oct 75
Employment of neo arteries–autografts for the revascularization of the inferior extremities of man. Lucas MA, et al. **J Cardiovasc Surg (Torino)** Spec No:499–505, 1973
Amnion autografts, permanent structure. Trelford JD, et al. **J Med** 6(3–4):243–7, 1975
Interfascicular nerve grafting. Early experiences at the Massachusetts General Hospital. Finseth F, et al. **Plast Reconstr Surg** 56(5):492–5, Nov 75
Free muscle transplantation in dogs by microneurovascular anastomoses. Kubo T, et al. **Plast Reconstr Surg** 57(4):495–501, Apr 76
Laryngeal reconstruction by free flap transfer. Nagahara K, et al. **Plast Reconstr Surg** 57(5):604–10, May 76
The free vascularized nerve graft. A further experimental and clinical application of microvascular techniques. Taylor GI, et al. **Plast Reconstr Surg** 57(4):413–26, Apr 76
Bone marrow reconstitution using a block grafting technique. Parker JR, et al. **S Afr Med J** 50(15):577–9, 3 Apr 76
Dermal grafts — a viable alternative. Cairns AB Jr. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):510–3, Nov–Dec 75
Reconstruction of the cardiac valves with autologous tissue. Bailey CP, et al. **Vasc Surg** 10(2):99–119, Mar–Apr 76
[A simplified technique of skin transplantation (author's transl)] D'Hooghe P, et al. **Acta Chir Belg** 74(5):500–3, Sep 75 (Eng. Abstr.) **(Dut)**
[Abdominal flap in surgery of the hand. What must we think] Baudet J, et al. **Ann Chir Plast** 20(2):215–26, 1975 (Eng. Abstr.) **(Fre)**
[Autocraft with vascular microsutures. Anatomy of donor site] de Coninck A, et al. **Ann Chir Plast** 20(2):163–70, 1975 (Eng. Abstr.) **(Fre)**
[The three–pronged plasty (author's transl)] Glicenstein J, et al. **Ann Chir Plast** 20(2):257–60, 1975 (Eng. Abstr.) **(Fre)**
[Dermo–dermal joining. Experimental study] Lalardrie JP, et al. **Ann Chir Plast** 20(2):183–90, 1975 (Eng. Abstr.) **(Fre)**
[Renal autotransplantation] Lange D. **J Urol Nephrol (Paris)** 81(7–8):600–1, Jul–Aug 75 **(Fre)**
[Influence of blood supply and determination of the optimal severance time in tubed flaps of the lower extremity (author's transl)] Köhnlein HE. **Unfallheilkunde** 79(5):209–12, May 76 (Eng. Abstr.) **(Ger)**
[The use of 'mesh graft' in traumatology] Péter C. **Magy Traumatol Orthop** 19(2):100–4, 1976 (Eng. Abstr.) **(Hun)**
[Experimental tendon sheath formation by free transplantation of a long vein segment (comparative study of adhesions formed around free grafts and pedicled grafts)] Vilmos B, et al. **Magy Traumatol Orthop** 19(2):130–7, 1976 (Eng. Abstr.) **(Hun)**
[Perilynphatic fistula after stapedectomy: closing with tragal perichondrium (author's transl)] Castrillo Riol R, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(194):153–8, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

MORTALITY

Ten years follow up after fascia lata replacement of the aortic valve. Rothlin M, et al. **J Cardiovasc Surg (Torino)** Spec No:339–43, 1973

VETERINARY

[Skin transplantations in the horse] Dubs B, et al. **Tieraerztl Prax** 3(1):57–66, 1975 **(Ger)**

TRANSPLANTATION, HETEROLOGOUS

Dentine as an ossicular substitute. Experimental results in animals. Stewart IA, et al. **Acta Otolaryngol (Stockh)** 81(5–6):450–61, May–Jun 76
Heterotransplantation of human malignant melanomas to the mouse mutant nude. Povlsen CO. **Acta Pathol Microbiol Scand [A]** 84(1):9–16, Jan 76
Transplantation of human adipose tissue to nude mice. Bach–Mortensen N, et al. **Acta Pathol Microbiol Scand [C]** 84(4):283–9, Aug 76
Prolongation of xenograft survival by infusion of heterologous antibodies against recipient serum. Kemp E, et al. **Acta Pathol Microbiol Scand [C]** 84(4):342–4, Aug 76
Echocardiogram of the porcine aortic bioprosthesis in the

mitral position. Bloch WN Jr, et al. **Am J Cardiol** 38(3):293–8, Sep 76

Porcine dressing for ileostomy retraction. Baum M, et al. **Am J Nurs** 76(5):760–1, May 76

Nonanastomotic aneurysms in venous homologous grafts and bovine heterografts in femoropopliteal bypasses. Rossi G, et al. **Am J Surg** 132(3):358–62, Sep 76

Treatment of post-prostatectomy urinary incontinence with heterologous bone implant. Nummi P. **Ann Chir Gynaecol Fenn** 64(5):307–9, 1975

Successful arterial substitution with modified human umbilical vein. Dardik H, et al. **Ann Surg** 183(3):252–8, Mar 76

Lower extremity ischemia after femoral arteriovenous bovine shunts. Fee HJ Jr, et al. **Ann Surg** 183(1):42–5, Jan 76

The modified bovine heterograft in vascular access for chronic hemodialysis. Johnson JM, et al. **Ann Surg** 183(1):62–6, Jan 76

Surgical technique for creation of an arteriovenous fistula using a looped bovine graft. Lefrak EA, et al. **Ann Surg** 182(6):782–5, Dec 75

Prolonged retention of glutaraldehyde-treated skin allografts and xenografts: immunological and histological studies. Schechter I. **Ann Surg** 182(6):699–704, Dec 75

Aortic valve replacement with the Hancock porcine xenograft. Cohn LH, et al. **Ann Thorac Surg** 22(3):221–7, Sep 76

In favor of the Y-graft for aortocoronary bypass. Marco JD, et al. **Ann Thorac Surg** 21(6):519–23, Jun 76

A method for insertion of a stented xenograft valve in the atrioventricular position. Stefanik G, et al. **Ann Thorac Surg** 21(2):166–7, Feb 76

Operative repair for tricuspid atresia. Tatooles CJ, et al. **Ann Thorac Surg** 21(6):499–503, Jun 76

The porcine aortic valve bioprosthesis: a significant alternative. Zuhdi N. **Ann Thorac Surg** 21(6):573–5, Jun 76

Mitral valve replacement with the Hancock stabilized glutaraldehyde valve. Clinical and laboratory evaluation. Buch WS, et al. **Arch Surg** 110(11):1408–15, Nov 75

Arteriovenous fistulas constructed with modified human umbilical cord vein graft. Dardik H, et al. **Arch Surg** 111(1):60–2, Jan 76

The modified bovine arterial graft. Rosenberg N, et al. **Arch Surg** 111(3):222–6, Mar 76

Transplantation of human rhabdomyosarcoma cells in heterogous hosts: tumors formed and viruses recovered. McAllister RM, et al. **Bibl Haematol** (40):659–62, 1975

Heterotransplantation of a canine gastric cancer induced by N-methyl-N'-nitro-N-nitrosoguanidine into nude mice. Taguchi T, et al. **Biken J** 18(3):175–7, Sep 75

Human tumour xenografts. Double JA. **Biomedicine** 22(6):461–5, Nov 75 (34 ref.)

'Xenogeneic resistance' to rat bone marrow transplantation. III. Maturation age, and abrogation with cyclophosphamide, Corynebacterium parvum and fractionated irradiation. Rauchwerger JM, et al. **Biomedicine** 24(1):20–5, Jan 76

Direct implantation of Ph1 chromosome-positive myeloblasts into newborn hamsters. Miyoshi I, et al. **Blood** 47(3):355–61, Mar 76

Proceedings: Influence of transplantation site on the establishment of human tumour xenografts in immunosuppressed mice. Double JA, et al. **Br J Cancer** 31(2):260, Feb 75

Proceedings: Maintenance of human tumours in immune deficient mice. Franks CR, et al. **Br J Cancer** 31(2):260, Feb 75

Proceedings: Growth characteristics of a human bladder tumour subcutaneously implanted in immune deficient mice. Franks CR, et al. **Br J Cancer** 32(2):248, Aug 75

Proceedings: Growth of a canine solid mammary carcinoma in vitro and in Nu mice. Owen LN, et al. **Br J Cancer** 32(2):248, Aug 75

The growth kinetics of xenografts of human colorectal tumours in immune deprived mice. Pickard RG, et al. **Br J Cancer** 31(1):36–45, Jan 75

Failure to produce warts on human skin grafts on 'nude' mice. Cubie HA. **Br J Dermatol** 94(6):659–65, Jun 76

Biology of the human malignant lymphomas. III. Intracranial heterotransplantation in the nude, athymic mouse. Epstein AL, et al. **Cancer** 37(5):2158–76, May 76

Characteristics of a xenogeneic lymphocyte transfer reaction: its use in the study of graft versus host capability of mouse lymphoid cells from various anatomic sites. Catanzaro PJ, et al. **Cell Immunol** 22(1):140–51, 1 Mar 76

Potentiation of cell-mediated lysis of xenogemeic tumor cells: the role of antiserum and effector cells. Sonis ST, et al. **Cell Immunol** 23(2):297–308, May 76

Echocardiographic diagnosis of thrombus on a heterograft aortic valve in the mitral position. Bloch WN Jr, et al. **Chest** 70(03):399–401, Sep 76

Functional evaluation of the porcine heterograft in the mitral position. Johnson AD, et al. **Circulation** 52(2 Suppl 1):40–8, Aug 75

Critical review of the use of carotid bovine grafts for hemodialysis. Zincke H. **Eur Surg Res** 8(3):189–95, 1976

Range of xenogeneic donors whose hematopoietic cells can form colonies on macrophage layer of mice. Kitamura Y, et al. **Exp Hematol** 3(6):383–8, Nov 75

Prostatic adenoma and carcinoma in cell culture and heterotransplantation. pp. 301–12. Schröder FH, et al. **In: Marberger H, et al., ed. Prostatic disease. New York, Liss, 1976. W1 PR668E v.6 1976.** (29 ref.)

The bovine heterograft as a vein substitute. pp. 425–31. Hutton JE, et al. **In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

Human prostatic adenoma and carcinoma. Transplantation of cultured cells and primary tissue fragments in 'nude' mice. Schroeder FH, et al. **Invest Urol** 13(6):395–403, May 76

The use of porcine skin in partial and full-thickness skin loss. Papp GM. **J Am Osteopath Assoc** 75(11):951–7, Jul 76

Long term results of 212 xenograft valve replacements. Cevese PG. **J Cardiovasc Surg (Torino)** 16(6):639–42, Nov–Dec 75

A comparative study between glutaraldehyde-preserved aortic and pulmonary heterograft valves in the tricuspid position in dogs. Okamura K, et al. **J Cardiovasc Surg (Torino)** 17(2):178–86, Mar–Apr 76

Femoro-popliteal by-pass with bovine heterografts. Welch EL, et al. **J Cardiovasc Surg (Torino)** 17(1):62–8, Jan–Feb 76

The xenogeneic effect. II. Requirement for unactivated murine T cells during restoration of immune responsiveness with xenogeneic reconstitution factor. Farrar JJ, et al. **J Immunol** 117(1):274–82, Jul 76

Human gastric choriocarcinoma serially transplanted in nude mice. Kameya T, et al. **J Natl Cancer Inst** 56(2):325–32, Feb 76

Human myelogenous (Ph+) leukemia cell line: transplantation into athymic mice. Lozzio BB, et al. **J Natl Cancer Inst** 56(3):627–9, Mar 76

Growth of human normal and neoplastic mammary tissues in the cleared mammary fat pad of the nude mouse. Outzen HC, et al. **J Natl Cancer Inst** 55(6):1461–6, Dec 75

Heterograft biocompatibility without proteolytic digestion. Levowitz BS, et al. **J Surg Res** 20(6):553–61, Jun 76

Dissociation of humoral and cellular immune reactions of the rabbit, guinea pig, and dog kidney xenografts in the rat. Sakai A, et al. **J Surg Res** 21(3):159–68, Sep 76

Letter: Evaluation of tissue valves. Frater RW. **J Thorac Cardiovasc Surg** 70(3):540–1, Sep 75

Hemodynamic and functional changes in xenogenic, perfused, isolated lungs. Kusajima K, et al. **J Thorac Cardiovasc Surg** 72(1):115–8, Jul 76

Patch aortoplasty for insertion of the porcine heterograft. Lamberti JJ. **J Thorac Cardiovasc Surg** 72(1):86–8, Jul 76

Evaluation of aortic valve replacement with a porcine xenograft without long-term anticoagulation. Pipkin RD, et al. **J Thorac Cardiovasc Surg** 71(2):179–86, Feb 76

Total correction of Ebstein's anomaly by replacement with a biological aortic valve without plication of the atrialized ventricle. Senoo Y, et al. **J Thorac Cardiovasc Surg** 72(2):243–8, AUG 76

Reconstruction of right ventricular-pulmonary artery continuity with a valved external conduit: unusual technical considerations. Stewart S. **J Thorac Cardiovasc Surg** 72(1):39–47, Jul 76

Experience in the application of porcine xenografts to split-graft donor sites. Aronoff M, et al. **J Trauma** 16(4):280–3, Apr 76

Management of massive abdominal wall defects: role of porcine skin grafts. Ledgerwood AM, et al. **J Trauma** 16(2):85–8, Feb 76

Transplantation of human renal cell carcinoma to the nude mice: as an intermediate of in vivo and in vitro studies. Katsuoka Y, et al. **J Urol** 115(4):373–6, Apr 76

Heterotransplantation of cell lines derived from human malignant neoplasms into golden hamsters treated with antithymocyte serum. Sakakibara K, et al. **Jpn J Exp Med** 45(6):501–14, Dec 75

Heterotransplantation of human neoplasms in nude mice. Ueyama Y, et al. **Keio J Med** 24(4):415–21, Dec 75

Letter: Which prostitute valve? Bonchek LI. **Lancet** 1(7967):1018, 8 May 76

Letter: Cancer xenografts in nude mice. Schmidt M, et al. **Lancet** 1(7949):39, 3 Jan 76

Editorial: On the cutaneous porcine heterograft. Habal MB. **Plast Reconstr Surg** 57(3):367–8, Mar 76

Transmission of human leukaemia to nonhuman primates. Lapin BA, et al. **Proc R Soc Med** 68(3):141–5, Mar 75

[Studies on the skin grafts performed between adult specimen of Bufo viridis and Bufo vulgaris] Gulluni Cuomo M, et al. **Riv Biol** 67(4):411–22, Oct–Dec 74 **(Eng, Ita)**

Use of bovine heterografts in intravenous therapy. Dawkins HG Jr, et al. **South Med J** 69(2):167–9, Feb 76

Construction of arteriovenous fistulas for hemodialysis. Beven EG, et al. **Surg Clin North Am** 55(5):1125–36, Oct 75

Prolongation of allograft and xenograft survival by pretreatment with prednisolone and donor-specific antigen. Lie TS. **Surg Gynecol Obstet** 143(3):369–75, Sep 76

The bovine arterial graft and its several applications. Rosenberg N. **Surg Gynecol Obstet** 142(1):104–8, Jan 76

Dominant role of complement in the hyperacute xenograft rejection reaction. Schilling A, et al. **Surg Gynecol Obstet** 142(1):29–32, Jan 76

Atrioventricular valve replacement with the Hancock porcine xenograft: a five year clinical experience. McIntosh CL, et al. **Surgery** 78(6):768–75, Dec 75

Exchange transfusion and major surgery in acute hepatic failure. Silva YJ, et al. **Surgery** 80(3):343–9, Sep 76

Proceedings: Modification of the hyperacute reaction in the rat by sulphinpyrazone. Jamieson SW. **Thromb Diath Haemorrh** 34(1):348–9, 30 Sep 75

Comparison of 'PTFE' and bovine grafts for blood access in dialysis patients. Kaplan MS, et al. **Trans Am Soc Artif Intern Organs** 22:388–93, 1976

Initial approach to blood access for the chronic hemodialysis patient—the bovine heterograft. Sannella NA, et al. **Trans Am Soc Artif Intern Organs** 22:394–7, 1976

Survival times of skin and kidney grafts within different canine species in relation to their genetic markers. Hammer C, et al. **Transplant Proc** 7(3):439–47, Sep 75

Isogenic, allogenic, and xenogenic transplants in an insect species. Carton Y. **Transplantation** 21(1):17–22, Jan 76

Xenogeneic skin and kidney transplants in a closely related canine system, fox-dog. Chaussy C, et al. **Transplantation** 20(2):150–4, Aug 75

Humoral antibody and cell-mediated cytotoxicity responses of mice to rat skin xenografts. Hines DL, et al. **Transplantation** 21(5):375–80, May 76

Evidence for two cell populations involved in the rejection of a xenograft in mice. Newlands ES, et al. **Transplantation** 20(1):13–9, Jul 75

[Lyophilized pig bladder as a partial bladder wall substitute (author's transl)] Kelâmi A, et al. **Urol Int** 31(3):211–6, 1976 (Eng. Abstr.)

Replacement of tunica albuginea of corpus cavernosum penis using human dura. Experimental study on dogs. Kelâmi A, et al. **Urology** 6(4):464–7, Oct 75

Bovine artegraft arteriovenous fistulas for hemodialysis in one-hundred patients after 'conventional' arteriovenous fistulas failed. Katzman HE, et al. **Vasc Surg** 10(3):169–75, May–Jun 76

Vascular injury in transplanted tissues. Fine structural changes in tumor, adult, and embryonic blood vessels. Ausprunk DH, et al. **Virchows Archiv [Cell Pathol]** (1):31–44, 21

Bovine heterografts for hemodialysis. Foran RF, et al. **West J Med** 123(4):269–74, Oct 75

The effect of antibody and complement on perfused hearts: a model for the study of xenograft rejection phenomenon. Pinto ME, et al. **Z Immunitaetsforsch** 149(1):78–93, May 75

[Comparative study on the transplantability of various hemopoietic-tissue cells in irradiated mice] Fiala J, et al. **Vnitr Lek** 21(9):845–51, Sep 75 (Eng. Abstr.) **(Cze)**

[Should pig skin be preserved?] Ricbourg B, et al. **Ann Chir Plast** 20(1):87–90, 1975 (Eng. Abstr.) **(Fre)**

[Activities of protein synthesis during the development of lethal nucleocytoplasmic hybrids obtained by nuclear graft between Ambystoma mexicanum Shaw and Ambystoma dumerilii Duges (Amphibia, Urodeles)] Gallien CL, et al. **C R Acad Sci [D] (Paris)** 281(5–8):427–30, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Contribution to the study of aortic hetero-transplants by means of electron microscopy] Zylberberg L. **Pathol Biol (Paris)** 23(9):691–704, Nov 75 (Eng. Abstr.) **(Fre)**

[Experimental chorioretinitis in rabbits induced by homologous and heterologous photoreceptor outer segments (author's transl)] Tilgner S, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):269–72, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[Current status of artifical heart valve replacement. Late results, various valve models, valve reconstruction] Michel D. **Fortschr Med** 93(32):1616–20, 13 Nov 75 **(Ger)**

[Radiological and nuclear medicine diagnosis of kidney transplants] Pfeifer KJ. **Fortschr Med** 93(32):1621–2, 13 Nov 75 **(Ger)**

[Results of transplantation of homologous and heterologous tendons as ligament attachements in the unstable knee] Voorhoeve A, et al. **Hefte Unfallheilkd** (125):117–23, 1975 **(Ger)**

[Bovine heterograft, an ideal vessel prosthesis in the absence of the great saphenous vein] Amgwerd R, et al. **Helv Chir Acta** 43(1–2):79–82, Mar 76 **(Ger)**

[Substitution of the bladder-wall by means of deep-frozen heterologous skin grafts. Experimental studies in domestic cats] Pust R, et al. **Helv Chir Acta** 43(3):351–5, Jul 76 **(Ger)**

[Further in-vitro studies on the mechanism of hyperacute xenogenic rejection reaction (HXAR)] Pratschke E, et al. **Langenbecks Arch Chir** Suppl:129–32, 1975 (Eng. Abstr.) **(Ger)**

[Allogenic and xenogenic aortic segmental transplants in inbred rats angiographically demonstrable vascular changes (author's transl)] Thiede A, et al. **Langenbecks Arch Chir** 340(1):13–22, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Clinical and experimental studies on the transplantation of preserved tendons] Voorhoeve A, et al. **Langenbecks Arch Chir** Suppl:273–5, 1975 (Eng. Abstr.) **(Ger)**

[Experimental investigation concerning the substitution of the orbital floor of the cat (author's transl)] Langnickel R. **Laryngol Rhinol Otol (Stuttg)** 54(4):355–60, Apr 75 (Eng. Abstr.) **(Ger)**

[Experimental xenografting in widely divergent species: Interaction of humoral factors in hyperacute xenograft rejection in the rat-dog system (author's transl)] Schilling A, et al. **Res Exp Med (Berl)** 165(2):79–92, 14 Jul 75 (Eng. Abstr.) **(Ger)**

[Blood flow measurements with 133xenon during prolonged hyperacute xenogenic rejection] Schmidt KR, et al. **Strahlentherapie [Sonderb]** 74:211–9, 1975 (Eng. Abstr.) **(Ger)**

[Light- and electron microscopy studies on dura transplants preserved with solvents in animal experiment] Stöss H, et

al. **Verh Dtsch Ges Pathol** 59:569, 1975 **(Ger)**
[Pig skin xenograft in burns. I. Technology, laboratory studies. II. Clinical experience] József B, et al. **Magy Traumatol Orthop** 19(2):138–45, 1976 (Eng. Abstr.) **(Hun)**
[Possibilities and prospects in the treatment of severe hepatic insufficiency. Auxiliary livers] Galmarini D, et al. **Minerva Chir** 30(17):890–2, 15 Sep 75 **(Ita)**
[Perfusion with heterologous liver] Zucchetti F, et al. **Minerva Chir** 30(17):896–902, 15 Sep 75 **(Ita)**
[Hyperacute pulmonary rejection] Kusajima K. **J Jpn Assoc Thorac Surg** 23(12):1412–20, Dec 75 (Eng. Abstr.) **(Jpn)**
[Heart valve replacement with heterologous heart valves] Iwa T, et al. **Jpn J Thorac Surg** 29(1):1–10, Jan 76 (Eng. Abstr.) **(Jpn)**
[Heterogenous bone grafts] Sowiński J, et al. **Chir Narzadow Ruchu Ortop Pol** 41(2):205–10, 1976 (Eng. Abstr.) **(Pol)**
[Experimental morphologic findings serving as a basis for use of xenogenic dura mater for plastic surgery of blood vessels] Ziablov VI, et al. **Arkh Anat Gistol Embriol** 70(4):66–72, Apr 76 (Eng. Abstr.) **(Rus)**
[Synthesis of rat serum albumin in Rana ridibunda oocytes] Borovkov AIu, et al. **Dokl Akad Nauk SSSR** 223(3):751–3, 21 Jul 75 **(Rus)**
[Participation of irradiated tissues in the formation of limb regenerates in axolotls] Tuchkova SIa. **Dokl Akad Nauk SSSR** 228(3):752–5, 21 Jun 76 **(Rus)**
[The technic of extracorporeal inclusion of cat liver in the circulation of hepatectomized rabbits] Nikulin VI, et al. **Eksp Khir Anesteziol** (2):41–4, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Transplantation of xenogenic aortic valves treated with formaldehyde] Ventsel' KP, et al. **Eksp Khir Anesteziol** (3):20–3, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Plastic surgery of splenic wounds with heterogenic preserved peritoneum] Markov RM, et al. **Vestn Khir** 114(1):76–7, Jan 75 (Eng. Abstr.) **(Rus)**
[Results of hetero-osteosynthesis in treatment of injuries of the crural bones] Nechaev BK. **Vestn Khir** 114(1):86–8, Jan 75 (Eng. Abstr.) **(Rus)**
[Results of combined osteosynthesis in adductive femoral neck fractures] Ozerov AKh, et al. **Vestn Khir** 116(5):75–8, May 76 **(Rus)**
[Review of scientific results in cellular therapy] Pešić MC. **Srp Arh Celok Lek** 103(5):391–8, May 75 **(Ser)**
[Editorial: Has Skintec antibacterial effect?] Bartholdson L, et al. **Lakartidningen** 73(11):947, 10 Mar 76 **(Swe)**
[Treatment of ischemic wounds in the elderly by covering with pigskin heterografts] Hansson B, et al. **Lakartidningen** 72(48):4736–7, 26 Nov 75 (Eng. Abstr.) **(Swe)**

METHODS

Heterografts as aortocoronary bypass conduits in human beings. Bulkley BH, et al. **Am J Cardiol** 36(6):823–8, Nov 75
Bovine carotid heterograft for segmental ureteral substitution. Albert PS, et al. **Am J Surg** 131(5):556–9, May 76
Cinemicroscopy of hyperacute pulmonary rejection. Kusajima K, et al. **Ann Thorac Surg** 21(4):341–7, Apr 76
Repair of abdominal and thoracic wall defects by bovine fascia (ox fascia). El-Domeiri AA. **Arch Surg** 111(2):172–4, Feb 76
Xenografts. Duran CM. **J Cardiovasc Surg (Torino)** Spec No:390–2, 1973
Porcine aortic valves for replacement of human heart valves. Zuhdi N, et al. **J Cardiovasc Surg (Torino)** Spec No:425–9, 1973
Arteriovenous fistulas for dialysis using modified bovine arteries. Rolley RT, et al. **Surg Gynecol Obstet** 142(5):700–4, May 76
A new vascular access for hemodialysis: the arterial jump graft. Butt KM, et al. **Surgery** 79(4):476–9, Apr 76
[Severe, acute hepatic insufficiency. Treatment by heterotopic heterografts] Chapuis Y. **Med Chir Dig** 4 suppl 2:25–8, 1975 **(Fre)**
[5 year assessment of the 1st valved tube heterograft inserted in a human] Binet JP, et al. **Nouv Presse Med** 4(20):1497–9, 17 May 75 (Eng. Abstr.) **(Fre)**
[Animal experiment studies on the use of preserved bone enriched with autologous bone marrow] Iakovidis D, et al. **Fortschr Kiefer Gesichtschir** 20:26–8, 1976 **(Ger)**
[Xenograft in the treatment of burns] István S. **Magy Traumatol Orthop** 18(4):314–7, 1975 **(Hun)**
[Pathologic and hemodynamic observation on the glutaraldehyde-preserved porcine aortic valve implanted in the tricuspid and pulmonary position] Okamura K, et al. **J Jpn Assoc Thorac Surg** 23(7):911–21, Jul 75 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION, HOMOLOGOUS

Phylogeny of functional humoral transplantation immunity: comparative studies in amphibians and rodents. Cohen N, et al. **Adv Exp Med Biol** 64:411–20, 1975
Immune facilitation of allograft survival across restricted differences at the H-2 complex. Davis WC, et al. **Adv Exp Med Biol** 64:449–55, 1975
Specific rejection of integumentary allografts by the sea star Dermasterias imbricata. Karp RD, et al. **Adv Exp Med Biol** 64:137–47, 1975
Allogeneic distinction in Botryllus primigenus and in other colonial ascidians. Tanaka K. **Adv Exp Med Biol** 64:115–24, 1975
Induction of unresponsiveness to organ transplants in congenic strains of rats and other mammals. Thoenes GH. **Adv Exp Med Biol** 64:457–66, 1975
Left ventricular bypass using a cardiac allograft: hemodynamic studies. Beck W, et al. **Am J Cardiol** 37(7):1007–12, Jun 76
Mucormycosis in a transplant recipient. Hammer GS, et al. **Am J Clin Pathol** 64(3):389–98, Sep 75
Accelerated human renal allograft rejection. Anderson CB, et al. **Arch Surg** 110(10):1230–2, Oct 75
Electrophoresis after homologous spleen transplantation in dogs. Savic B, et al. **Bull Soc Int Chir** 34(1):11–4, 1975
Second malignant neoplasms associated with immunosuppressive medications. Penn I. **Cancer** 37(2 Suppl):1024–32, Feb 76 (99 ref.)
Why do so many cells take part in mixed lymphocyte reactions? Cunningham AJ. **Cell Immunol** 19(2):368–71, Oct 75
Fate of H2-activated T lymphocytes in syngeneic hosts. II. Residence in recirculating lymphocyte pool and capacity to migrate to allografts. Sprent J, et al. **Cell Immunol** 21(2):303–13, Feb 76
Host cell proliferation in response to skin allografts on alymphatic pedicles. Tilney NL, et al. **Cell Immunol** 14(1):146–50, Oct 74
Restoration of impaired immune functions in aging animals. II. Effect of syngeneic thymus and bone marrow grafts. Hirokawa K, et al. **Clin Immunol Immunopathol** 5(3):371–6, May 76
Transplantation of organs. **Drug Ther Bull** 13(21):81–3, 10 Oct 75
Allograft cytotoxicity. Role of T lymphocytes bearing a receptor for complement. Arnaiz-Villena A, et al. **Immunology** 29(5):903–8, Nov 75
Anaesthesia and postoperative care for organ transplantation: complications of immunosuppressive therapy. pp. 375–8. Adams AK.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
Cadaver donor pretreatment: rationale and current clinical results. pp. 110–6. Guttmann RD, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.
Transplant chronobiology. pp. 320–8. Halberg J, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.
Separation of populations of sensitized lymphoid cells into fractions inhibiting and fractions enhancing syngeneic tumor growth in vivo. Small M, et al. **J Immunol** 117(1):292–7, Jul 76
Transplantation: the relatives' view. **J Med Ethics** 1(2):71–2, Jul 75
Transplantation. Calne RY. **J Med Ethics** 1(2):59–60, Jul 75
Tissue for transplantation. Dalyell T. **J Med Ethics** 1(2):61–2, Jul 75
Ethical aspects of donor consent in transplantation. Mahoney J. **J Med Ethics** 1(2):67–70, Jul 75
Vitamin A and immunosuppression of allografts in dogs and rabbits. Schweizer RT, et al. **J Surg Res** 19(4):229–32, Oct 75
Letter: Tissue banking and transplantation. Friedlaender GE, et al. **N Engl J Med** 295(11):624–5, 9 Sep 76
Forensic problems in practice. IV.—Law and ethics in transplantation. Knight B. **Practitioner** 216(1294):471–4, Apr 76
Renal homotransplantation in the 50 - 80 year age group. Bailey GL, et al. **Proc Clin Dial Transplant Forum** 1:1–5, 1971
Immunopathologic studies of repeated recurrent glomerulonephritis in an allograft recipient. Beleil OM, et al. **Proc Clin Dial Transplant Forum** 2:36–40, 1972
Isotopic evaluation of renal homografts. Kramer MS, et al. **Proc Clin Dial Transplant Forum** 2:22–6, 1972
Prolongation of allograft and xenograft survival by pretreatment with prednisolone and donor-specific antigen. Lie TS. **Surg Gynecol Obstet** 143(3):369–75, Sep 76
The adverse effect of high-dose steroids on renal autografts and homografts. Tremann JA, et al. **Surgery** 79(4):370–6, Apr 76
DL-A LD matching: its prognostic value for kidney allograft survival. Bach ML, et al. **Transplant Proc** 7(3):423–5, Sep 75
Host responses to blood transfusions after transplantation of a DL-A-identical kidney. Bijnen AB, et al. **Transplant Proc** 7(3):431–3, Sep 75
The antigenicity of preserved allografts. Friedlaender GE. **Transplant Proc** 8(2 Suppl 1):195–200, Jun 76
Effect of anti-donor serum (ADS) and donor cells on renal allograft survival in DL-A tissue-typed littermate beagles. Jeekel J, et al. **Transplant Proc** 7(3):435–8, Sep 75
University of Miami Tissue Bank: collection of postmortem tissues for clinical use and laboratory investigation. Malinin TI. **Transplant Proc** 8(2 Suppl 1):53–8, Jun 76
Influence of SD and LD matching on kidney allograft survival in unrelated mongrel dogs. Westbroek DL, et al. **Transplant Proc** 7(3):427–9, Sep 75
Effect of immunosuppressive therapy for renal allografts on the number of circulating sheep red blood cells rosetting cells. Bishop G, et al. **Transplantation** 20(2):123–9, Aug 75
Sex-determined antigens in rats detected by bone marrow transplantation but not skin grafting. Dunn CD. **Transplantation** 20(2):142–9, Aug 75
Attempted treatment of a child with metastatic neuroblastoma employing syngeneic marrow transplantation. Klemperer MR, et al. **Transplantation** 21(2):161–4, Feb 76
Blocking versus cytotoxic antibody in HL-A- and mixed lymphocyte culture-identical and nonidentical human renal transplant recipients. Miller J, et al. **Transplantation** 20(1):53–62, Jul 75
The effect of donor blood on renal allograft survival in DL-A tissue typed beagle littermates. Obertop H, et al. **Transplantation** 20(1):49–52, Jul 75
Role of MLC compatibility in intrafamilial kidney transplantation. Ringdén O, et al. **Transplantation** 22(1):9–17, Jul 76
Vascular thrombosis in machine-perfused renal allografts. Sheil AG, et al. **Transplantation** 20(2):178–9, Aug 75
Enhanced growth of tumor isografts in rats after skin allografting. Steele G Jr, et al. **Transplantation** 20(6):485–91, Dec 75
Skin grafting across H-Y incompatibility after organ culture. Wachtel SS, et al. **Transplantation** 20(1):45–8, Jul 75
Inhibition of fetal tissue growth in syngeneic newborn recipients. Zinzar SN, et al. **Transplantation** 21(6):514–6, Jun 76
[Letter: Free skin transplantation] Roegholt MN. **Ned Tijdschr Geneeskd** 120(9):398, 28 Feb 76 **(Dut)**
[A combined method of autologous bone grafts and collagen allografts for the prevention of bone pockets] Busschop J, et al. **Rev Belge Med Dent** 31(1):3–14, 1976 (Eng. Abstr.) **(Dut)**
[Renal transplantation: the development of ideas on transplantation] pp. 83–95. Hamburger J, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975. **(Fre)**
[Indicateurs immuno-hématologiques des réactions du greffon contre l'hôte Schenmetzler C, et al. **Nouv Rev Fr Hematol** 16(1):144–6, Jun 76 **(Fre)**
[Homologous transplantation of freeze-dryed veins. An experimental contribution to the problem of blood vessel replacement] Staudacher M. **Fortschr Med** 94(5):245–50, 12 Feb 76 **(Ger)**
[Allogenic and xenogenic aortic segmental transplants in inbred rats angiographically demonstrable vascular changes (author's transl)] Thiede A, et al. **Langenbecks Arch Chir** 340(1):13–22, 24 Oct 75 (Eng. Abstr.) **(Ger)**
[Bone marrow transplantation in leukemia: possibilities and problems] Speck B. **Schweiz Med Wochenschr** 105(40):1286–9, 4 Oct 75 (Eng. Abstr.) **(Ger)**
[Lung functions after single-lung homotransplantation in dogs (author's transl)] Salem G, et al. **Wien Klin Wochenschr** 87(24):823–7, 26 Dec 75 (Eng. Abstr.) **(Ger)**
[Renal transplantation in children (author's transl)] Wolf A, et al. **Wien Klin Wochenschr** 88(4):145–9, 20 Feb 76 (Eng. Abstr.) **(Ger)**
[Complement activation and endothelial damage in the first two hours after experimental kidney homotransplantation (author's transl)] Kux M, et al. **Z Immunitaetsforsch** 145(5):432–40, Sep 73 (Eng. Abstr.) **(Ger)**
[Active enhancement of rat kidney allotransplantation] Lie TS, et al. **Z Immunitaetsforsch** 147(2):175–88, Jun 74 **(Ger)**
[Resuscitation of the irreversible coma for the purpose of transplantation] Pannacciulli E, et al. **Minerva Anestesiol** 42(6):406–8, Jun 76 **(Ita)**
[Immunologic diagnosis of rejection of renal homologous grafts in dogs] Monteiro da Cunha J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):466–70, Nov–Dec 75 (Eng. Abstr.) **(Por)**
[5-years experience with homologous dura mater valve: study of 878 patients] Puig LB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31 Spec No:298–305, 1976 (Eng. Abstr.) **(Por)**
[The role of the phenomenon of allogenic inhibition in cellular homeostasis] Kochergina NI, et al. **Usp Sovrem Biol** 80(3):459–67, Nov–Dec 75 (36 ref.) **(Rus)**
[Instructions to the new transplantation law: Removing of the cornea considered as minor surgery] **Lakartidningen** 72(52):5128–30, 24 Dec 75 **(Swe)**
[Kidneys for transplantation—a question of co-operation] Groth CG. **Lakartidningen** 72(35):3199, 27 Aug 75 **(Swe)**

ADVERSE EFFECTS

Renal transplantation and viral infections. II. Results of follow-up studies. Huraux JM, et al. **Biomedicine** 22(4):311–9, Jul 75
The lichen planus-like eruption after bone marrow transplantation. Saurat JH, et al. **Br J Dermatol** 93(6):675–81, Dec 75
Renovascular hypertension after kidney transplantation. Vegeto A. **J Cardiovasc Surg (Torino)** Spec No:180–1, 1973
Epidemiology of cytomegalovirus infection after transplantation and immunosuppression. Fiala M, et al. **J Infect Dis** 132(4):421–33, Oct 75
Articular complications of homotransplantation and chronic renal hemodialysis. Irby R, et al. **J Rheumatol** 2(1):91–99, Mar 75

Recurrence of the nephrotic syndrome in the renal isograft: A preliminary report. Matsubara J, et al. **J Urol** 114(5):779–81, Nov 75

The fate of cadaver renal allografts contaminated before transplantation. McCoy GC, et al. **Transplantation** 20(6):467–72, Dec 75

The fate of transplanted kidneys accidentally embolized with air. Sampson D, et al. **Transplantation** 21(4):350–3, APR 76

Aggressive management of genitourinary complications of renal transplantation. Gregory JG, et al. **Urology** 7(4):349–54, Apr 76

[Clinical and biological characteristics of lichenous eruptions after bone marrow grafts] Saurat JH, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):521–5, 1975 **(Fre)**

[Orthopedic complications following kidney transplantation] Schreiber A, et al. **Z Orthop** 113(4):789–91, Aug 75 **(Ger)**

[Complications of kidney transplantation] László T, et al. **Orv Hetil** 116(39):2299–304, 28 Sep 75 **(Hun)**

[Vascular lesions associated with experimental homologous liver transplantation] da Cunha JE, et al. **Rev Assoc Med Bras** 22(1):8–13, Jan 76 (Eng. Abstr.) **(Por)**

[Urological complications in patients submitted to renal homologous transplantation] Martins AC, et al. **Rev Assoc Med Bras** 21(12):364–6, Dec 75 (Eng. Abstr.) **(Por)**

HISTORY

A 1964 perspective on homotransplantation. Ravitch MM. **Perspect Biol Med** 18(4):501–5, Summer 75

[History of tooth transplantation] Pape HD, et al. **Fortschr Kiefer Gesichtschir** 20:121–5, 1976 **(Ger)**

METHODS

A technique for rapid harvesting of cadaveric renal and pancreatic grafts after circulatory arrest. Björkén C, et al. **Br J Surg** 63(7):517–9, Jul 76

Kidney transplantation in a community hospital. Mullen DC, et al. **Coll Works Cardiopulm Dis** 19:26–34, Apr 73

Effectiveness of azathioprine in extending vein homograft survival. Perloff LJ, et al. **J Cardiovasc Surg (Torino)** Spec No:554–9, 1973

Wound healing and the amniotic membrane. Trelford JD, et al. **J Med** 6(5–6):383–8, 1975

Editorial: The neurosurgeon's responsibility for organ procurement. **J Neurosurg** 44(1):1–2, Jan 76

En bloc allograft of liver, pancreas, duodenum, spleen, and kidney in rats. Maki T, et al. **Surg Forum** 26:300–1, 1975

Survey of the current status of the clinical uses of antilymphocyte serum. Monaco AP, et al. **Surg Gynecol Obstet** 142(3):417–26, Mar 76 (49 ref.)

Heterotopic versus orthotopic heart transplantation. Barnard CN. **Transplant Proc** 8(1):15–9, Mar 76

Experimental auxiliary heart transplantation for left ventricular assistance. Moore CH, et al. **Transplant Proc** 8(1):41–4, Mar 76

Sponge matrix allografts. A model for analysis of killer cells infiltrating mouse allografts. Roberts PJ, et al. **Transplantation** 21(6):437–45, Jun 76

[Technic of heterotopic transplantation of the small intestine in swine: reno–mesenteric transplantation] Hay JM, et al. **J Chir (Paris)** 110(4):373–7, Oct 75 (Eng. Abstr.) **(Fre)**

[Simplification of the orthotopic hepatic transplantation in the dog. 20 cases without decompression of the sub–hepatic cave system] Depadt G, et al. **Rev Chir [Chir]** 111(5–6):667–74, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Heterotopic liver transplantation] Beaudoin JG, et al. **Union Med Can** 103(12):2110–5, Dec 74 (Eng. Abstr.) **(Fre)**

[Bone brephoplasty in cleft palate] Ruzin GP, et al. **Stomatologiia (Mosk)** 54(4):38–40, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Preserved and molded tympanic homografts] Prades J, et al. **An Otorrinolaringol Ibero Am** 2(2):40–9, 1975 (Eng. Abstr.) **(Spa)**

[Use of amniotic membranes as biological dressings. Preliminary report] de la Torre J, et al. **Prensa Med Mex** 40(7–8):207–7, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

MORTALITY

Long term results in aortic homografts. Ross D. **J Cardiovasc Surg (Torino)** Spec No:350–2, 1973

Factors influencing morbidity and mortality of renal transplantation in a high risk population. Miller J, et al. **Surg Gynecol Obstet** 140(1):1–6, Jan 75

[Our experience with kidney transplantation] Pintér J, et al. **Orv Hetil** 116(38):2231–6, 21 Sep 75 **(Hun)**

TRANSPLANTATION IMMUNOLOGY

see related
HISTOCOMPATIBILITY TESTING
IMMUNOSUPPRESSION

Splenic transplantation in rats. Bitter–Suermann H. **Acta Chir Scand [Suppl]** (455):1–29, 1975

Phylogeny of functional humoral transplantation immunity: comparative studies in amphibians and rodents. Cohen N, et al. **Adv Exp Med Biol** 64:411–20, 1975

Immune facilitation of allograft survival across restricted differences at the H–2 complex. Davis WC, et al. **Adv Exp Med Biol** 64:449–55, 1975

Is a specialized stimulator cell required for the induction of allograft immunity? Lafferty KJ, et al. **Adv Exp Med Biol** 66:87–93, 1976

Induction of unresponsiveness to organ transplants in congenic strains of rats and other mammals. Thoenes GH. **Adv Exp Med Biol** 64:457–66, 1975

The role of antibodies in the rejection and enhancement of organ allografts.??318 Carpenter CB, et al. **Adv Immunol** 22:1–65, 1976

Immunological investigations of patients with transplanted cornea. Szabó G, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(2):169–79, 6 Aug 75

Immunological responses in identical twins with renal transplants from a common donor. Sampson D, et al. **Am Surg** 42(8):572–8, Aug 76

Studies of thymus–derived and bone marrow–derived lymphocytes in renal transplant patients. Thomas F, et al. **Am Surg** 41(11):738–44, Nov 75

Modulation of the immune response to transplantation antigens. IV. Enhanced growth of tumour allografts in mice immunised with papain–solubilised transplantation antigen. Zola H. **Ann Immunol (Paris)** 126(1):51–62, Jan 75

Membrane immunofluorescence in human transplantation biology. Carbonara AO, et al. **Ann NY Acad Sci** 254:280–8, 30 Jun 75

Fresh and cultured thyroid gland: survival and function after implantation. Raaf JH, et al. **Ann Surg** 183(2):146–56, Feb 76

The lichen planus–like eruption after bone marrow transplantation. Saurat JH, et al. **Br J Dermatol** 93(6):675–81, Dec 75

Failure of 'thymus factor' to restore transplantation immunity in athymic mice. Pierpaoli W, et al. **Br J Exp Pathol** 56(2):180–2, Apr 75

Measurement of the immune response to an allograft: amino acid incorporation by peripheral white blood cells in man. Blamey RW, et al. **Br J Surg** 62(11):863–7, Nov 75

Proceedings: Lymphocyte capacity and lymphoblast circulation in immune stimulation and immunosuppression. Evans CM, et al. **Br J Surg** 63(2):153, Feb 76

Transplantation tolerance. Brent L, et al. **Br Med Bull** 32(2):101–6, May 76 (85 ref.)

Mechanisms in the acceptance of organ grafts. Calne RY. **Br Med Bull** 32(2):107–12, May 76 (76 ref.)

Preferential localization and rate of loss of labeled alloantibody from rat tumors and skin transplants carrying the corresponding alloantigen. Izzo MJ, et al. **Cancer Res** 36(8):2868–73, Aug 76

Immunological enhancement of a murine allogeneic tumor in absence of the spleen. Colmerauer ME, et al. **Cell Immunol** 20(2):327–9, Dec 75

A study of the humoral immune response to osteoarticular allografts in the sheep. Elves MW, et al. **Clin Exp Immunol** 17(3):497–508, Jul 74

Mixed leucocyte culture blocking factor activity in allograft recipients and its role in the clinical outcome of human cadaveric renal allografts. Sengar DP, et al. **Clin Exp Immunol** 22(3):409–18, Dec 75

On the nature of blocking factors and their lymphoid target cells in an allogeneic tumor system. Mantovani A, et al. **Eur J Cancer** 11(6):451–5, Jun 75

Active enhancement of heart transplants in the inbred rat with donor strain blood. Di Paola M, et al. **Eur Surg Res** 7(4–5):242–8, 1975

Transplantation immunity of rats induced by hepatoma cells treated with heteroantibody. El–Asfahani AM, et al. **Gann** 66(1):1–9, Feb 75

Inability of thymus cells from newborn donors to restore transplantation immunity in athymic mice. Pierpaoli W. **Immunology** 29(3):465–8, Sep 75

Partial characterization of an immunoenhancing factor from allogeneic human lymphocyte cell lines. Rubin AS, et al. **Immunology** 30(1):69–81, Jan 76

Primitive vertebrate immunology. pp. 297–301. **In: Brent L, Holborow J, ed. Progress in immunology II. Vol 2: Biological aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.2.**

The augmentation of tumor–specific immunity with immune RNA. pp. 121–5. Deckers PJ, et al. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

Lymphocyte responsiveness in cancer and transplantation. pp. 149–52. McKhann CF, et al. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

Heterophile antigens and antibodies in transplantation and tumors. pp. 63–9. Milgrom F, et al. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

A possible role for cross–reacting antigens in conditioning immunological surveillance mechanisms in cancer and transplantation. II. Prospective studies of altered cellular immune reactivity in cancer patients. pp. 143–7. Rapaport FT, et al. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

The role of alloantibodies on in vivo growth of allografted tumor. pp. 105–8. Yutoku M, et al. **In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.**

Immunology of the venous homograft. pp. 395–407. Perloff LJ, et al. **In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

The induction of immunity against tumor cell transplantation with a complex of tumor cell surface substance and a serum component found in the tumor–regressor animals. Egawa K, et al. **Int J Cancer** 17(6):725–9, 15 Jun 76

Immune enhancement of the tumorigenicity of hamster brain tumor cells persistently infected with measles virus. Evermann JF, et al. **Int J Cancer** 16(5):861–9, 15 Nov 75

Immune responses to soluble tumor antigens in various stages of tumor growth. Brannen GE, et al. **Invest Urol** 13(2):79–84, Sep 75

Human prostatic adenoma and carcinoma. Transplantation of cultured cells and primary tissue fragments in 'nude' mice. Schroeder FH, et al. **Invest Urol** 13(6):395–403, May 76

Studies on the antigenicity of bone. I. Freeze–dried and deep–frozen bone allografts in rabbits. Friedlaender GE, et al. **J Bone Joint Surg [Am]** 58(6):854–8, Sep 76

Cellular and humoral immune response analysis of bone–allografted rats. Muscolo DL, et al. **J Bone Joint Surg [Am]** 58(6):826–32, Sep 76

The role of nonclassical Fc receptor–associated, Ag–B antigens (Ia) in rat allograft enhancement. Souhillou JP, et al. **J Exp Med** 143(2):405–21, 1 Feb 76

Biologic properties of transplantation immune sera. IV. Influence of the course of immunization, dilution and complexing to antigen on enhancing activity of Ig classes. Duc HT, et al. **J Immunol** 115(4):1143–50, Oct 75

Infusion of donor lymphocytes into stable canine radiation chimeras: implications for mechanism of transplantation tolerance. Weiden PL, et al. **J Immunol** 116(5):1212–9, May 76

The feasibility of altering the immunogenicity of grafts. Billingham RE. **J Invest Dermatol** 67(1):149–59, Jul 76 (73 ref.)

Tumor–specific transplantation immunity to intracerebral challenge with cells from a methylnitrosourea– induced brain tumor. Denlinger RH, et al. **J Med** 6(3–4):249–59, 1975

Transplantation of human cancers to nude mice and effects of thymus grafts. Schmidt M, et al. **J Natl Cancer Inst** 55(1):81–7, Jul 75

A histological study of tooth allografts transplanted to untreated and immunologically prepared mice. Atkinson ME. **J Oral Pathol** 4(4):167–79, Oct–Nov 75

The development and proliferation of the trophoblast from ectopic mouse embryo allografts of increasing gestational age. Hunt CV, et al. **J Reprod Fertil** 46(2):305–11, Mar 76

The in vitro manifestations of cellular and humoral allograft and anti–tumor immunity: no appreciable alteration by previous storage of targe and effector cells in liquid nitrogen. Jeejeebhoy HF, et al. **J Reticuloendothel Soc** 19(4):211–9, Apr 76

Dissociation of humoral and cellular immune reactions of the rabbit, guinea pig, and dog kidney xenografts in the rat. Sakai A, et al. **J Surg Res** 21(3):159–68, Sep 76

Letter: Biphasic immune reaction against tumor antigen. Egawa K, et al. **Jpn J Exp Med** 45(1):53–4, Feb 75

Accelerated death of AKR/J mice by ascitic tumor of C3H mice. Okada H. **Jpn J Exp Med** 45(1):47–8, Feb 75

Human renal allotransplantation and thymectomy. Nakamura H, et al. **Keio J Med** 24(4):407–14, Dec 75

Letter: Cold lymphocytotoxins and transplantation. Gluckman E, et al. **Lancet** 1(7971):1244, 5 Jun 76

Surgical immunology. Hamilton DN. **Lancet** 1(7952):188–9, 24 Jan 76

Problems and prospects in surgical immunology. Häyry P. **Med Biol** 54(1):1–38, Feb 76

Problems and prospects in surgical immunology II. Häyry P. **Med Biol** 54(2):73–107, Apr 76

Ultrastructural investigations on the lysosomal system of lymph node lymphocytes in transplantation immunity. Gabrielescu E, et al. **Morphol Embryol (Bucur)** 21(1):59–63, 1975

T cells mediate transplantation tolerance. Dorsch S, et al. **Nature** 258(5532):233–5, 20 Nov 75

Nonspecific resistance to tumor allograft. Rejthar A, et al. **Neoplasma** 22(3):273–8, 1975

Cell–mediated immunity in long term renal transplant patients. Thomas J, et al. **Proc Clin Dial Transplant Forum** 5:157–60, Nov 75

Cellular and humoral immunity after clinical renal transplantation. Arnesen E, et al. **Proc Eur Dial Transplant Assoc** 11:343–50, 1975

Transplant monitoring: patterns of the immune response. Stiller CR, et al. **Proc Eur Dial Transplant Assoc** 12:415–22, 1976

Workshop report: how can immunology (except by tissue typing) improve the results of kidney transplantation. Häyry P, et al. **Scand J Urol Nephrol** (29 Suppl):111–2, 6–7 Mar 75

Preliminary results with passive enhancement in human kidney transplantation. Solheim BG, et al. **Scand J Urol Nephrol** (29 Suppl):53–8, 6–7 Mar 75

Immunologic enhancement in a syngeneic tumor system. Beltz WR, et al. **Surg Forum** 26:142–4, 1975

Allograft enhancement by pretreatment with donor antigens in the form of immune complexes. Liégeois A, et al. **Surg Forum** 26:343–4, 1975

Vulnerability of pancreatic islets to immune cells and serum.

Naji A, et al. **Surg Forum** 26:459–61, 1975
Studies on living cells harvested from acutely rejecting and enhanced rat cardiac allografts. Tilney NL, et al. **Surg Forum** 26:349–50, 1975
Transplantation. Wilson RE. **Surg Gynecol Obstet** 142(2):219–24, Feb 76 (0 ref.)
The use of directly frozen cells in LDA assay. Werner C, et al. **Tissue Antigens** 6(5):279–85, Nov 75
Relationship of allograft function to the development of donor specific cellular nonreactivity in human cadaveric allograft recipients. Rashid A, et al. **Trans Am Soc Artif Intern Organs** 22:229–33, 1976
DL–A LD matching: its prognostic value for kidney allograft survival. Bach ML, et al. **Transplant Proc** 7(3):423–5, Sep 75
Host responses to blood transfusions after transplantation of a DL–A–identical kidney. Bijnen AB, et al. **Transplant Proc** 7(3):431–3, Sep 75
Humoral factors in specific unresponsiveness to transplantation antigens. Brent L, et al. **Transplant Proc** 8(2):209–15, Jun 76
The role of antibodies in the rejection and enhancement of rat organ allografts: non–Ag–B (Ia) antigens. Carpenter CB, et al. **Transplant Proc** 8(2):199–205, Jun 76
Direct and antibody–dependent LMC cross–matching in renal transplantation. d'Apice AJ, et al. **Transplant Proc** 8(1):115–9, Mar 76
The true mechanism of immunologic enhancement, deduced from studies of heart transplants in rats. Davies DAL. **Transplant Proc** 8(1):37–9, Mar 76
Survival times of skin and kidney grafts within different canine species in relation to their genetic markers. Hammer C, et al. **Transplant Proc** 7(3):439–47, Sep 75
Partial joint transplantation in the dog: a preliminary report. Herron MR, et al. **Transplant Proc** 7(3):417–21, Sep 75
Effect of anti–donor serum (ADS) and donor cells on renal allograft survival in DL–A tissue–typed littermate beagles. Jeekel J, et al. **Transplant Proc** 7(3):435–8, Sep 75
Some serologic aspects of transplantation. Milgrom F. **Transplant Proc** 8(2):181–7, Jun 76
Adaptation to human and animal organ allografts: reconsideration of a hypothesis. Miller J, et al. **Transplant Proc** 8(2):217–24, Jun 76
'Spare parts' revisited. Rapaport FT. **Transplant Proc** 7(3):343–50, Sep 75
The balance of power theory in transplantation: an introduction to humoral factors in transplantation. Rubin AL, et al. **Transplant Proc** 8(2):135–8, Jun 76
Influence of SD and LD matching on kidney allograft survival in unrelated mongrel dogs. Westbroek DL, et al. **Transplant Proc** 7(3):427–9, Sep 75
A cardinal role for I–region antigens (Ia) in immunological enhancement, and the clinical implications. Davies DA, et al. **Transplant Rev** 30:18–39, 1976 (73 ref.)
Thymus derived killer cells: specificity of function, and antigen recognition. Dennert G. **Transplant Rev** 29:59–88, 1976
Observations on the mechanism of antitumour resistance induced by the graft–versus–host reaction. Bomford R, et al. **Transplantation** 20(5):433–5, Nov 75
Quantitation of the immune rejection of allotransplanted AKR leukemic cells. Ducos R, et al. **Transplantation** 21(4):279–81, APR 76
Passive enhancement of renal allografts. Specificity of the enhancing antisera. Fabre JW, et al. **Transplantation** 20(3):269–71, Sep 75
The role of the spleen in the rejection and enhancement of renal allografts in the rat. Fabre JW, et al. **Transplantation** 20(3):219–26, Sep 75
Enhancement of skin grafts in the mouse. The combined used of specific and nonspecific immunosuppression. Koene RA, et al. **Transplantation** 20(3):241–7, Sep 75
Cross reactivity between H–2K and H–2D products. III. Effect of H–2K–H–2D cross sensitization on skin graft survival. Murphy DB, et al. **Transplantation** 20(1):38–44, Jul 75
Studies on the rosette inhibition assay. Improvement of the method and correlation with monkey skin graft prolongation. Nelson JW, et al. **Transplantation** 20(1):3–12, Jul 75
On the probability of finding an HL–A– and ABO–compatible cadaver organ for transplantation. Pliskin JS. **Transplantation** 20(3):181–5, Sep 75
Factors contributing to the risk of cytomegalovirus infection in patients receiving renal transplants. Ho M, et al. **Yale J Biol Med** 49(1):17–26, Mar 76 (37 ref.)
A synergistic immunosuppressive effect of endotoxin and PHA–M on immunologic enhancement in mice. Cruse JM, et al. **Z Immunitaetsforsch** 143(1):31–42, Jan 72
Enhanced tumor proliferation in mice treated with phytohaemagglutinin. Pappas A, et al. **Z Immunitaetsforsch** 145(5):449–59, Sep 73
[Rat heart transplantation: a model for transplantation immunity studies] Boeckx W, et al. **Acta Clin Belg** 30(2):90, 1975 (Eng. Abstr.) **(Dut)**
[Immunotherapy of experimental colonic cancer: immunologic enhancement of grafted tumor] Martin MS, et al. **Biol Gastroenterol (Paris)** 7(4):249–52, 1974 (Eng. Abstr.) **(Fre)**
[Renal transplantation: the development of ideas on transplantation] pp. 83–95. Hamburger J, et al. **In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** **(Fre)**
[The HLA complex. 3. Implications in transplantation and transfusion] Dausset J. **Nouv Presse Med** 5(22):1413–6, 29 May 76 **(Fre)**
[Enhancement phenomenon] Schröder J. **Beitr Gerichtl Med** 32:152–5, 1974 (Eng. Abstr.) **(Ger)**
[Basic principles of transplantation immunology] Land W, et al. **Fortschr Kiefer Gesichtschir** 20:1–10, 1976 (45 ref.) **(Ger)**
[SLA–testing and MCL–reaction in swine and their reaction to rejection of skin and liver transplants] Bockhorn H, et al. **Langenbecks Arch Chir** Suppl:141–5, 1975 (Eng. Abstr.) **(Ger)**
[Immune response following portal and caval anastomosis of kidney transplants in the rat] Dostal G, et al. **Langenbecks Arch Chir** Suppl:161–4, 1975 (Eng. Abstr.) **(Ger)**
[T– and B–lymphocytes in patients with kidney transplants] Meyer HJ, et al. **Langenbecks Arch Chir** Suppl:157–60, 1975 (Eng. Abstr.) **(Ger)**
[Further in–vitro studies on the mechanism of hyperacute xenogenic rejection reaction (HXAR)] Pratschke E, et al. **Langenbecks Arch Chir** Suppl:129–32, 1975 (Eng. Abstr.) **(Ger)**
[The effect of donorspecific antigen type for active enhancement of renal–allografts in the histoincompatible inbred rats (author's transl)] Lie TS, et al. **Res Exp Med (Berl)** 165(2):175–9, 14 Jul 75 (Eng. Abstr.) **(Ger)**
[Active enhancement of canine liver allografts – simultaneous pretreatment with donor specific semisoluble antigen and prednisolon (author's transl)] Lie TS, et al. **Z Immunitaetsforsch** 148(1):62–72, Nov 74 (Eng. Abstr.) **(Ger)**
[Active enhancement of rat kidney allotransplantation] Lie TS, et al. **Z Immunitaetsforsch** 147(2):175–88, Jun 74 **(Ger)**
[Morphological findings in pig liver allografts after orthotopic and auxiliary heterotopic transplantation (author's transl)] Seidler D, et al. **Z Immunitaetsforsch** 148(1):1–15, Nov 74 (Eng. Abstr.) **(Ger)**
[Experimental pancreatic allotransplantation in dogs: biochemical aspects and evolution] Ellenbogen G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(4):340–4, Jul–Aug 75 (Eng. Abstr.) **(Por)**
[Dental homotransplants] Spirescu I, et al. **Rev Chir [Stomatol]** 21(4):351–8, Jul–Sep 74 (Eng. Abstr.) **(Rum)**
[Use of an immunothermistographic method for detecting humoral antibodies in the allotransplantation of skin and cornea in rabbits] Kapichnikov MM, et al. **Biull Eksp Biol Med** 80(8):81–4, Aug 75 (Eng. Abstr.) **(Rus)**
[Comparative study of the immune response of newborn and adult animals to the administration of tumor extracts] Nikonova MF, et al. **Biull Eksp Biol Med** 79(6):85–8, Jun 75 (Eng. Abstr.) **(Rus)**
[Development of immune tolerance to microbial and cross–reacting tissue antigens in mice] Ogurtsov RP. **Biull Eksp Biol Med** 80(12):59–62, Dec 75 (Eng. Abstr.) **(Rus)**
[Emmune response deficiency in (M523 X CBA)F1 mouse lymphocytes cultivated in vivo in semisyngeneic recipients] Fontalin LN, et al. **Dokl Akad Nauk SSSR** 225(4):958–61, 1 Dec 75 **(Rus)**
[Suppressive effect of syngeneic B–cells on the immune response in mice, belonging to highly– or poorly–reacting genotypes] Petrov RV, et al. **Dokl Akad Nauk SSSR** 226(6):1446–8, 21 Feb 76 **(Rus)**
[Immunological studies in bone tissue transplantation] Okuneva LM. **Ortop Travmatol Protez** (2):65–6, Feb 76 **(Rus)**
[In vitro synthesis of the lymphocyte–activating factor under conditions of clinical allotransplantation] Alekseev LP, et al. **Patol Fiziol Eksp Ter** (5):54–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Transplantation antigens and their immunological activity] Artsimovich NG, et al. **Usp Sovrem Biol** 80(2):254–69, Sep–Oct 75 (138 ref.) **(Rus)**
[Reasons for lowered resistance to Krebs 2 ascitic carcinoma in mice in a state of hyporeactivity (tolerance) to a viral interferon inducer] Marchenko VI, et al. **Vopr Virusol** (2):176–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Kinetics of the immune response following syngenous transfer of bone marrow, thymus and spleen cells from donors under the influence of previously administered antigen] Iakovchenko VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):100–4, 1976 (Eng. Abstr.) **(Rus)**
[Significance of specific HL–A serums in selecting the recipient–donor couple for organ transplantation] Sušaković N, et al. **Bilt Hematol Transfuz** 3(1–2):99–104, 1975 **(Ser)**
[The immunological problem of pregnancy] Cifuentes de Castro L. **Rev Clin Esp** 139(2):97–109, 31 Oct 75 (103 ref.) **(Spa)**
[A comparative study of the effect of ALS against normal and sensitized lymphocytes on the viability of rat skin transplants] Antonenko LI. **Fiziol Zh** 20(5):590–6, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Therapy of cytomegalovirus retinitis with transfer factor. Rytel MW, et al. **Cell Immunol** 19(1):8–21, Sep 75
In vitro modification of histocompatibility antigens by hepatic extracts. Deshon GE Jr, et al. **J Surg Res** 19(6):351–5, Dec 75
Modulating renal alloantigens with concanavalin A: mixed lymphocyte culture studies. Nowygrod R, et al. **Surg Forum** 26:325–8, 1975
Modification of immunogenicity on kidney allografts treated with acid mucopolysaccharides. Toledo–Pereyra LH, et al. **Surg Forum** 26:331–2, 1975
[The effect of several interferon inducers on transplantation reactions in mice] Ogurtsov RP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):113–6, Nov 75 **(Rus)**

RADIATION EFFECTS

Canine small bowel transplantation. A study of the immunological responses. Cohen Z, et al. **Arch Surg** 111(3):248–53, Mar 76
Induction of tolerance to cardiac allografts by irradiation and bone marrow transplantation. Boyd AD, et al. **Surg Forum** 26:304–5, 1975

TRANSPLANTATION, ISOGENEIC see under **TRANSPLANTATION, HOMOLOGOUS**

TRANSPORT, BIOLOGICAL see **BIOLOGICAL TRANSPORT**

TRANSPORT OF WOUNDED AND SICK

Five–year study of emergency aeromedical evacuation in the United States. Johnson A Jr, et al. **Aviat Space Environ Med** 47(6):662–6, Jun 76
Transport of newborn infants for intensive care. Blake AM, et al. **Br Med J** 4(5987):13–7, 4 Oct 75
Letter: Aeromedical evacuation of the seriously ill. Clark DH. **Br Med J** 4(5991):287, 1 Nov 75
Letter: Operation baby lift. Jackson RH. **Br Med J** 1(6022):1406, 5 Jun 76
Aeromedical evacuation of the seriously ill. Oxer HF. **Br Med J** 3(5985):692–4, 20 Sep 75
Intra–arterial monitoring of critically ill patients in ambulances. Waddell G, et al. **Br Med J** 4(5990):206, 25 Oct 75
Transport of neonates–a matter of prevention. Johnson M, et al. **Can Nurse** 72(5):19–24, May 76
Retransfer of convalescent infants from newborn intensive care to community intermediate care nurseries. Leake RD, et al. **Clin Pediatr (Phila)** 15(3):293–4, Mar 76
CPR during patient loading and movement. pp. 91–6. Hampton AG Jr. **In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.**
Aeromedical transportation for infants and children. Harris BH, et al. **J Pediatr Surg** 10(5):719–24, Oct 75
Helicopter supply and evacuation. Evans MJ. **J Soc Occup Med** 26(3):89–91, Jul 76
A civilian air emergency service: a report of its development, technical aspects, and experience. Cleveland HC, et al. **J Trauma** 16(6):452–63, Jun 76
Orphan airlift. Enteric pathogens isolated from Vietnamese children immigrating to the United States. Goldsmith R, et al. **JAMA** 235(19):2114–6, 10 May 76
The US Department of Transportation and emergency medical services. Mills DA. **Md State Med J** 25(3):75–7, Mar 76
Editorial: Australian ambulances and casualty services. **Med J Aust** 1(15):513–4, 10 Apr 76
Assets and liabilities of helicopter evacuation in support of emergency medical services. Proctor HJ, et al. **NC Med J** 37(1):25–8, Jan 76
Moving the critically ill. Waddell G. **Nurs Times** 71(49):1937–9, 4 Dec 75
Transportation and emergency medical care. Grottenthaler J, et al. **Pa Med** 78(11):61–3, Nov 75
Portable frame for patients in hip abduction casts. Gray DD. **Phys Ther** 56(6):689–90, Jun 76
Letter: Surgery in the field. Jones CS, et al. **S Afr Med J** 50(20):759, 8 May 76
Letter: The air transport of patients. Landsberg PG. **S Afr Med J** 49(41):1683–4, 27 Sep 75
Letter: Air transport of patients. Silber W. **S Afr Med J** 49(47):1947, 8 Nov 75
Ambulance transport of obstetric emergencies. Carty MJ, et al. **Scott Med J** 21(3):109–10, Jul 76
[Current accident rate and specialized aid at different stages of transport of the injured] Repin AV, et al. **Rozhl Chir** 55(7):433–4, Jul 76 **(Cze)**
[Death from sickle cell anemia during air transport] Agdal N, et al. **Ugeskr Laeger** 138(10):597–9, 1 Mar 76 (Eng. Abstr.) **(Dan)**
[Emergency care and patient transport] Kjellberg M. **Duodecim** 91(20):1274–81, 1975 **(Fin)**
[Analgesia with methoxyflurane during emergency transportation] Virenque C, et al. **Anesth Analg (Paris)** 32(1):149–53, Jan–Feb 75 **(Fre)**
[Helicopters and medical first aid units. Role of Medical First Aid Unit 94] Huguenard P, et al. **Ann Anesthesiol Fr** 16(6):453–63, Oct 75 (Eng. Abstr.) **(Fre)**
[Transport of newborn infants. Apropos of 114 cases] Krajevitch A, et al. **Ann Anesthesiol Fr** 16 Spec No 1:135–42, 1975 (Eng. Abstr.) **(Fre)**

[Transport of 'high-risk' newborn infants. (Apropos of 159 emergency calls by the SAMU 94-Service d'Aide Médicale Urgente-Emergency Health Service)] Scheyer M, et al. **Ann Anesthesiol Fr** 16 Spec No 1:130-4, 1975 (Eng. Abstr.) **(Fre)**

[Use of the Cessna 206 for medical evacuations] Werner P. **Ann Anesthesiol Fr** 16(1):41-4, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

[Pre-hospital resuscitation and transport of cardiac patients. Apropos of 107 cases of primary transport] Gilgenkrantz JM, et al. **Arch Mal Coeur** 68(5):459-65, May 75 (Eng. Abstr.) **(Fre)**

[Problems in the medical care of patients transported by air (author's transl)] Dürner P, et al. **Anaesthesist** 25(1):40-1, Jan 76 **(Ger)**

[Critical notes on the transport of patients with cervical spinal cord injuries] Nechwatal E. **Chirurg** 46(11):521-3, Nov 75 (Eng. Abstr.) **(Ger)**

[Rescue helicopter. Use, duties, financing] **Fortschr Med** 93(29):1367-8, 1378, 16 Oct 75 **(Ger)**

[Rescue service: initial measures on the spot and in hospital (author's transl)] **Langenbecks Arch Chir** 339:617-20, Nov 75 (Eng. Abstr.) **(Ger)**

[Transport splint for the upper extremities] Turbin PV, et al. **Ortop Travmatol Protez** (1):76-7, Jan 76 **(Rus)**

[Organization of transport and specialized care for severe burns] Antipenko VS, et al. **Voen Med Zh** (6):8-10, Jun 75 **(Rus)**

[Mathematical modeling of the basic variants in the triage and assemblage of wounded patients] Bogoiavlenskii IF, et al. **Voen Med Zh** (8):9-14, Aug 75 **(Rus)**

[Evacuation of the wounded and ill by air transport during World War II] Divin IaN, et al. **Voen Med Zh** (1):84-5, Jan 76 **(Rus)**

[Outfit for installing hospital litters in covered freight cars] Kapitonov GI, et al. **Voen Med Zh** (10):77, Oct 75 **(Rus)**

[Therapeutic and evacuation support of the 69th Army in the Wisla-Oder Operation] Morozov PV. **Voen Med Zh** (5):59-63, May 75 **(Rus)**

[Use of mathematical methods in planning the work of ambulance transports] Sannikov LM. **Voen Med Zh** (9):7-10, Sep 75 **(Rus)**

[Activities of the evacuation hospitals of the republics of Central Asia and Kazakhstan during World War II] Shamsutdinov SKh. **Voen Med Zh** (11):85, Nov 75 **(Rus)**

[Device for securing wounded patients to stretchers] Stepanova AP, et al. **Voen Med Zh** (3):82-3, Mar 76 **(Rus)**

[Editorial: Ambulance health care] **Lakartidningen** 73(22):2073-4, 26 May 76 **(Swe)**

[Ambulance transport and nursing in the ambulance] Dannert F, et al. **Lakartidningen** 72(45):4345-6, 5 Nov 75 **(Swe)**

[How to get patients with myocardial infarct faster to the hospital ?] Erhardt LR, et al. **Lakartidningen** 72(44):4273-6, 29 Oct 75 (Eng. Abstr.) **(Swe)**

[Better transport of sick people] Finnqvist L, et al. **Lakartidningen** 73(20):1887, 1976 **(Swe)**

[Letter: Ambulances in health care] Henriksson U. **Lakartidningen** 72(51):5039-40, 17 Dec 75 **(Swe)**

TRANSPORTATION

Transportation delay and the microbiological quality of clinical specimens. Jefferson H, et al. **Am J Clin Pathol** 64(5):689-93, Nov 75

Letters: Architectural barriers. Spitz CA. **Am J Occup Ther** 30(3):193, Mar 76

Human response to buffeting in an all-terrain vehicle. Fraser TM, et al. **Aviat Space Environ Med** 47(1):9-16, Jan 76

De motu urbanorum. Williams RE. **Br Med J** 4(5987):25-7, 4 Oct 75

Land use and transportation issues in environmental control. Liff SD, et al. **Environ Health Perspect** 10:249-55, Apr 75

Respirable dust content of subway air. Trattner RB, et al. **Environ Lett** 10(3):247-52, 1975

An overview of public transportation and the elderly: new directions for social policy. Bell WG, et al. **Gerontologist** 14(4):324-30, Aug 74

Human factors in urban transportation systems. Hoag LL, et al. **Hum Factors** 17(2):119-31, Apr 75

Considerations by the Department of Transportation. p. 454. Grella AW.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Transportation problems of the older American. pp. 86-109. Kaye I.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

A mobile color television-microscopy console. McGavin MD, et al. **J Biol Photogr Assoc** 43(4):190-2, Oct 75

Differences in human information processing for ship manoeuvring in the daytime and at night. Ohashi N, et al. **J Hum Ergol (Tokyo)** 3(1):29-43, Sep 74

Effective preservation and transportation of lung transplants. Veith FJ, et al. **J Thorac Cardiovasc Surg** 72(1):97-105, Jul 76

Editorial: Disappearance of streetcars. Was spitting responsible? Hussey HH. **JAMA** 234(11):1170, 15 Dec 75

Letter: Superfluous impedimenta. Carey DE, et al. **Pediatrics** 56(5):839, Nov 75

Letter to the editor: The influence of tobacco smoke on indoor atmospheres. Harke HP. **Prev Med** 4(3):373-7, Sep 75

Housing and transportation: twin barriers to independence. van Vechten D, et al. **Rehabil Lit** 37(7):202-7, 221, Jul 76

Problems related to shift work. A field study of Swedish railroad workers with irregular work hours. Kolmodin-Hedman B, et al. **Scand J Work Environ Health** 1(4):254-62, Dec 75

Microbiological hazards of international trade. Hobbs BC. **Soc Appl Bacteriol Symp Ser** 4:161-80, 1976 (39 ref.)

[Transport of live-stock and process of slaughter (author's transl)] Sybesma W. **Tijdschr Diergeneeskd** 101(3):125-7, 1 Feb 76 (Eng. Abstr.) **(Dut)**

[Transport of animals prior to slaughter (author's transl)] Zegers L. **Tijdschr Diergeneeskd** 101(3):121-4, 1 Feb 76 (Eng. Abstr.) **(Dut)**

[Response of glutamic oxaloacetic transaminase, lactate dehydrogenase and aldolase in serum of cattle after transportation stress] Deutschmann D, et al. **Arch Exp Veterinaermed** 30(1):75-91, 1 Jan 76 (Eng. Abstr.) **(Ger)**

[Problems in the loading of refinery products] Tiebel W. **Gesund Ing** 96(10):288-9, Oct 75 **(Ger)**

[Experience in protection from traffic noise] Krestinskaia OG, et al. **Gig Sanit** (10):100-2, Oct 75 **(Rus)**

[Role of river transport in importation of mosquitoes to Termez port] Tadzhieva VS, et al. **Med Parazitol (Mosk)** 44(6):666-9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Use of Eleutherococcus for preventing transportation stress in swine] Buzlama VS, et al. **Veterinariia** (4) Apr 76 **(Rus)**

[Effect of transportation on the calf organism] Semeniachenko VP. **Veterinariia** (6):84-5, Jun 76 **(Rus)**

[Prevention of stress in calves being transported] Térytsé IN. **Veterinariia** (4):89-90, Apr 75 **(Rus)**

[Microbial count as an index of the possibility of transport of mineral waters] Kudlaenko LN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (2):181, Mar-Apr 75 **(Rus)**

METHODS

Motorcycles and public apathy. Kelley AB. **Am J Public Health** 66(5):475-6, May 76

Infant transport services: an overview. Ferrara A, et al. **Pediatr Ann** 5(2):25-45, Feb 76

STANDARDS

Are nuclear shipments really safe? Brobst WA. **Environ Lett** 9(4):355-78, 1975

Rebuttal to TV show: 'coffee, tea or radiation'. Quinn JL. **Radiol Technol** 47(2):90-4, Sep-Oct 75

[Quality, effectiveness and safety of means of transportation] Polykovskii KhT. **Veterinariia** (5):30-4, May 75 **(Rus)**

TRANSPOSITION OF GREAT VESSELS

Congenitally corrected transposition of the great arteries. A clinical study of 101 cases. Bjarke BB, et al. **Acta Paediatr Scand** 65(2):153-60, Mar 76

Double outlet right ventricle: hemodynamic and anatomic correlations. Sridaromont S, et al. **Am J Cardiol** 38(1):85-94, Jul 76

Anatomically corrected malposition of great arteries. Anderson RH, et al. **Br Heart J** 37(10):993-1013, Oct 75

Proceedings: Congenitally corrected transposition of the great arteries: a clinical study of 101 cases. Bjarke BB, et al. **Br Heart J** 38(5):535, May 76

Editorial: The story of anatomically corrected malposition of the great arteries. Van Praagh R. **Chest** 69(1):2-4, Jan 76

The morphogenesis of transposition of the great arteries, 1875-1975. Allwork SP. **Eur J Cardiol** 4(1):3-11, Mar 76

Dryander of Marburg's woodcut (the oldest transposition?) Allwork SP. **Eur J Cardiol** 4(1):105-7, Mar 76

The Beuren heart. Vengsarkar AS, et al. **Indian Heart J** 27(3):163-8, Jul 75

Double-outlet right ventricle. A collective review with a surgical viewpoint. Stewart S. **J Thorac Cardiovasc Surg** 71(3):355-65, Mar 76 (68 ref.)

[Transposition of great arteries (the authors' own experiences in diagnostic procedures and treatment) (author's transl)] Szelągowicz B, et al. **Probl Med Wieku Rozwoj** 5:251-4, 1975 (Eng. Abstr.) **(Pol)**

[Isolated corrected transpostion of great vessels] Bukharin VA, et al. **Kardiologiia** 15(12):30-6, Dec 75 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Prenatal exposure to oral contraceptives and transposition of the great vessels in man. Yasuda M, et al. **Teratology** 12(3):239-43, Dec 75

CLASSIFICATION

[Classification of transpositions and methods of recognition of the heart chambers] pp. 427-51. Barbaccia F.
In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. (Ita)

COMPLICATIONS

Successful closure of ventricular septal defect through a left-sided ventriculotomy in corrected transposition of the great vessels. Nagai I, et al. **Ann Thorac Surg** 21(6):492-8, Jun 76

Left atrioventricular valvular insufficiency. Surgical treatment in corrected transposition with cardiac dextrorotation. Liotta D. **Chest** 69(2):245-6, Feb 76

Transatrial closure of ventricular septal defect in corrected transposition of the Great Arteries. Merin G, et al. **Chest** 69(2):241-3, Feb 76

Kartagener's syndrome with corrected transposition. Conducting system studies and coronary arterial occlusion complicating valvular replacement. Solomon MH, et al. **Chest** 69(5):677-80, May 76

Letter: Aneurysm of the membranous ventricular septum in TGA: echo features. Seward JB, et al. **Circulation** 54(1):161-2, Jul 76

Aneurysm of the membranous ventricular septum in transposition of the great arteries. Vidne BA, et al. **Circulation** 53(1):157-61, Jan 76

Double outlet right ventricle with l-malposition and uncommitted ventricular septal defect. Anderson RH, et al. **Eur J Cardiol** 3(2):133-42, Aug 75

An unusual association of congenital anomalies. Gupte S, et al. **Indian Pediatr** 13(2):151-2, Feb 76

The conduction system in simple, regular (D-), complete transposition with ventricular septal defect. Bharati S, et al. **J Thorac Cardiovasc Surg** 72(2):194-201, AUG 76

Two cases of left-sided tricuspid atresia with situs solitus L-bulboventricular loop and L-transposition of the great arteries. Sato T, et al. **Tohoku J Exp Med** 119(4):385-92, Aug 76

[Corrected transposition of the great vessels. Reflections with regard to 21 cases operated on for associated malformations (author's transl)] Soyer R, et al. **Ann Chir Thorac Cardiovasc** 15(2):91-8, Apr 76 (Eng. Abstr.) **(Fre)**

[Transposition of great vessels with pulmonary stenosis and interventricular communication. Anatomic and surgical aspects. Apropos of 10 cases] Lancelin B, et al. **Arch Mal Coeur** 68(4):339-51, Apr 75 (Eng. Abstr.) **(Fre)**

[Left juxtaposition of the atria. Apropos of a case with dextroversion, transposition of great vessels, bilateral conus, interventricular communication and pulmonary atresia] Pauly-Laubry C, et al. **Arch Mal Coeur** 68(7):759-64, Jul 75 (Eng. Abstr.) **(Fre)**

[Corrected transposition of the great vessels with dextroversion and 'tricuspid' insufficiency in an adult] Warembourg H, et al. **Lille Med** 20(7):626-9, Aug-Sep 75 **(Fre)**

[Case of dextroversion without ventricular inversion with corrected transposition of great vessels, pulmonary valvular stenosis and hemodynamically small ventricular septal defect] Wink K, et al. **Med Monatsschr** 30(3):132-6, Mar 76 **(Ger)**

[Proceedings: A case of a single ventricle associated with dextrocardia, transposition of great vessels, pulmonary stenosis and persistent right superior vena cava] Inoue T, et al. **Jpn Circ J** 39(7):850, Jul 75 **(Jpn)**

[Proceedings: Transposition of great vessels resulting in heart failure] Matsuda M, et al. **Jpn Circ J** 39(7):849-50, Jul 75 **(Jpn)**

[Proceedings: A successful surgical case of transposition of great vessels and mitral valve insufficiency associated with complete auricular block] Minami K, et al. **Jpn Circ J** 39(7):850, Jul 75 **(Jpn)**

[Treatment of discrete subpulmonary stenosis associated with corrected transposition of the great arteries (Cardell B-3) - radical Surgery via transatrial route] Osawa M, et al. **Jpn J Thorac Surg** 29(5):343-47, 1976 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Radioisotopes and cross-sectional ultrasound in congenital heart disease. Friedman WF. **Adv Cardiol** 17:32-9, 1976

Rules for diagnosis of arterioventricular discordances and spatial identification of ventricles. Crossed great arteries and transposition of the great arteries. de la Cruz MV, et al. **Br Heart J** 38(4):341-54, Apr 76

Anatomically corrected malposition of the great arteries (S,L,D). Zakheim R, et al. **Chest** 69(1):101-4, Jan 76

The 'inverted' pattern of the normal ventricular pressure curves: a syndrome with two possible angiocardiographic entities. Testelli MR. **G Ital Cardiol** 5(5):666-74, 1975

Diagnosis and surgical indications in T.G.A. pp. 131-4. Wagner H.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG 1606o 1972 v.2.

Simultaneous echocardiographic recording of the semilunar valves in patients with normally related great arteries. Pennock W, et al. **Radiology** 118(2):397-9, Feb 76

[Congenitally corrected transposition of the great vessels throughout ventricular inversion (author's transl)] Ochs H, et al. **Basic Res Cardiol** 71(2):210-27, Mar-Apr 76 (Eng. Abstr.) **(Ger)**

[The importance of frontal chest x rays for the forefield diagnosis of complete transposition of the large vessels] Nitz I, et al. **Radiol Diagn (Berl)** 16(6):769-77, 1975 (Eng. Abstr.) **(Ger)**

[Corrected transposition of great vessels in adult age]

Olbermann M, et al. **Z Kardiol** 65(4):373–84, Mar 76 (Eng. Abstr.) **(Ger)**

[Correct transposition of great vessels in mirror-like dextrocardia with posterior aorta and mitral valve insufficiency: its diagnostic and aontogenic implications] Thiene G, et al. **Boll Soc Ital Cardiol** 19(7):745–8, 1974 (Eng. Abstr.) **(Ita)**

[Clinical diagnosis of corrected transposition of the great vessels by bulbo-ventricular inversion] Scibilia G, et al. **G Ital Cardiol** 5(5):623–36, 1975 (Eng. Abstr.) **(Ita)**

[Transposition of the great vessels in the neonatal period: clinical and therapeutic aspects] pp. 462–75. Fancini P.
In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. **(Ita)**

[Corrected transposition of great arteries –adult cases (author's transl)] Okamoto Y, et al. **Respir Circ (Tokyo)** 23(5):441–5, May 75 **(Jpn)**

[ECG in complete transposition of the great arteries according to the TGA type (author's transl)] Flaszen A, et al. **Probl Med Wieku Rozwoj** 5:231–3, 1975 (Eng. Abstr.) **(Pol)**

[Partial distortion of the great vessels in dextroposition and intrapulmonary continuity (Taussig–Bing variety)] Attié F, et al. **Arch Inst Cardiol Mex** 46(1):12–8, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Electro-ventorcardiographic manifestations of ventricular inversion with transposition of great arteries] Medrano GA, et al. **Arch Inst Cardiol Mex** 45(5):617–54, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

[L-loop bulbo-ventricular malformations. Diagnostic aspects] Prieto J, et al. **Rev Esp Cardiol** 28(6):543–58, 1975 (Eng. Abstr.) **(Spa)**

[Types of interventricular communication in complete dextro-transposition of the great vessels] Quero Jiménez M, et al. **Rev Esp Cardiol** 28(6):469–85, 1975 **(Spa)**

METABOLISM

[The acid-base status in infants with complete transposition of the great arteries (author's transl)] Stoermer J, et al. **Monatsschr Kinderheilkd** 123(6):498–502, Jun 75 (Eng. Abstr.) **(Ger)**

MORTALITY

Causes of death in transposition of the great arteris. A clinical and autopsy study of 140 cases. Landtman B, et al. **Acta Paediatr Scand** 64(6):785–9, Nov 75

[A study of the mortality of children with transposition of the great arteries treated at the Institute of Pediatrics, Medical Academy of Cracov, in 1966–1973 (author's transl)] Popczyńska-Markowa M, et al. **Probl Med Wieku Rozwoj** 5:227–30, 1975 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Frequency and natural history of several types of transpositions of the great arteries (TGA) in children (author's transl)] Popczyńska-Markowa M, et al. **Probl Med Wieku Rozwoj** 5:221–6, 1975 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Letter: Anatomically corrected malposition of great arteries. Thiene G, et al. **Br Heart J** 38(6):657–8, Jun 76

'Posterior' transposition reconsidered. Wilkinson JL, et al. **Br Heart J** 37(7):757–66, Jul 75

The conduction system in double outlet right ventricle with subpulmonic ventricular septal defect and related hearts (the Taussig–Bing group). Bharati S, et al. **Circulation** 54(3):459–67, Sep 76

The pulmonary vascular bed in patients with complete transposition of the great arteries. Clarkson PM, et al. **Circulation** 53(3):539–43, Mar 76

Anatomic causes of pulmonary stenosis in complete transposition. Shrivastava S, et al. **Circulation** 54(1):154–9, Jul 76

Aorto-pulmonary relationship, arterio-ventricular alignment, and ventricular septal defects in complete transposition of the great arteries. Thiene G, et al. **Eur J Cardiol** 4(1):13–24, Mar 76

[Corrected transposition of great vessels—surgical anatomy of pulmonary artery outflow tract] **Jpn J Thorac Surg** 28(10):756–7, 1 Oct 75 **(Jpn)**

[Anatomically corrected malposition of the great arteries (author's transl)] **Jpn J Thorac Surg** 29(4):300–1, 1976 **(Jpn)**

[Total trasposition of the aorta with pulmonary artery mounted on both ventricles. An unnusual form of transposition] Salazar Mena J, et al. **Rev Esp Cardiol** 28(6):581–6, 1975 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Congenitally corrected transposition of the great vessels: localization of the site of complete atrioventricular block using his bundle electrograms. Foster JR, et al. **Am J Cardiol** 38(3):383–7, Sep 76

Asymmetric distribution of the pulmonary blood flow between the right and left lungs in d-transposition of the great arteries. Muster AJ, et al. **Am J Cardiol** 38(3):352–61, Sep 76

Pulmonary blood flow distribution in transposition of the great arteries. Vidne BA, et al. **Am J Cardiol** 38(1):62–6, Jul 76

Letter: Electrophysiological studies in corrected transposition. Gillette PC. **Circulation** 52(3):518–9, Sep 75

Electrophysiological delineation of the specialized A-V conduction system in patients with corrected transposition of the great vessels and ventricular septal defect. Waldo AL, et al. **Circulation** 52(3):435–41, Sep 75

His bundle electrogram in congenitally corrected transposition of the great vessels. Bashour TT, et al. **J Electrocardiol** 8(3):265–8, Jul 75

Corrected transposition of the great vessels: a vectorcardiographic study. Moffa PJ, et al. **J Electrocardiol** 9(1):5–14, 1976

[Importance of arteriovenous communications in transposition of the great vessels] pp. 453–63. Invernizzi G, et al.
In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972. **(Ita)**

RADIOGRAPHY

[Changes in the chest roentgenogram following balloon septostomy for transposition of the great vessels] Reilly BJ, et al. **Ann Radiol (Paris)** 18(4):459–64, May–Jun 75 **(Eng, Fre)**

Corrected transposition of the great arteries simulating coronary heart disease in adults. Selden R, et al. **Chest** 69(2):188–91, Feb 76

An unusual form of the transposition complex. Uncorrected levo-transposition with horizontal ventricular septum: Report of two cases. Guthaner D, et al. **Circulation** 53(1):190–5, Jan 76

The frontal chest film as a method of suspecting transposition complexes. Tonkin IL, et al. **Circulation** 53(6):1016–25, Jun 76

Angiocardiographic findings and morphogenesis of criss-cross heart with situs solitus, concordant artrioventricular relationships and L-transposition. Sato T, et al. **Tohoku J Exp Med** 119(4):377–84, Aug 76

[A comparison of angiocardiographic and section findings in children with d-transposition of major arteries (authors transl)] Tuma S, et al. **Cas Lek Cesk** 115(14):409–13, Apr 76 (Eng. Abstr.) **(Cze)**

[Proceedings: Transposition of great vessels—angiocardiography in surgical and autopsy cases] Nakano H, et al. **Jpn Circ J** 39(7):850, Jul 75 **(Jpn)**

[Chest X-ray films in particular types of transposition of the great arteries (author's transl)] Sikorska B. **Probl Med Wieku Rozwoj** 5:235–8, 1975 (Eng. Abstr.) **(Pol)**

SURGERY

Operation results for transposition of the great arteries. Stark J. **Adv Cardiol** 17:20–31, 1976

Percutaneous balloon atrial septostomy in infants with transposition of the great arteries. Hurwitz RA, et al. **Am Heart J** 91(5):618–22, May 76

Echocardiographic localization of interatrial baffle after Mustard operation for dextrotransposition of the great arteries. Aziz KU, et al. **Am J Cardiol** 38(1):67–72, Jul 76

Systemic atrioventricular valve regurgitation in corrected transpositon of the great vessels. Angiographic differentiation of operable and nonoperable valve deformities. Jaffe RB. **Am J Cardiol** 37(3):395–402, 4 Mar 76

Surgical correction in complete levotransposition of the great arteries with an unusual subaortic ventricular septal defect. Lincoln C, et al. **Am J Cardiol** 38(3):344–51, Sep 76

The palliative Mustard operation: rationale and results. Mair DD, et al. **Am J Cardiol** 37(5):762–8, Apr 76

Letter: Pulmonary thrombosis and vascular disease after Mustard operation for transposition of great arteries. Newfield EA, et al. **Am J Cardiol** 37(7):1115–6, Jun 76

Correction of the transposition of the great arteries. Senning A. **Ann Surg** 182(3):287–92, Sep 75

Mustard procedure after Baffes operation. Agosti J, et al. **Ann Thorac Surg** 21(5):436–9, May 76

A method for rapid tailoring of the intraatrial baffle in transposition of the great vessels. Amato JJ, et al. **Ann Thorac Surg** 20(5):586–9, Nov 75

The Blalock-Hanlon procedure. A new look at an old operation. Behrendt DM, et al. **Ann Thorac Surg** 20(4):424–32, Oct 75

Letter: Techniques for cardiopulmonary bypass in patients with transposition of the great arteries. Stark J, et al. **Ann Thorac Surg** 20(5):597–8, Nov 75

Letter: Surgery for transposition of great arteries. Subramanian VA. **Ann Thorac Surg** 20(6):722–4, Dec 75

Mustard's operation for transposition of the great arteries complicated by juxtaposition of the atrial appendages. Urban AE, et al. **Ann Thorac Surg** 21(4):304–10, Apr 76

One-stage correction of ventricular septal defect, tetralogy of Fallot and complete transposition of the great arteries in infancy. Mori A, et al. **Arch Jpn Chir** 44(4):330–42, 1 Jul 75

The Blalock-Hanlon procedure. Simple transposition of the great arteries. Herrmann V, et al. **Arch Surg** 110(11):1387–90, Nov 75

Successful anatomic correction of transposition of the great vessels. A preliminary report. Jatene AD, et al. **Arq Bras Cardiol** 28(4):461–64, Aug 75

Transposition of great arteries. Early results of Mustard's operation in paediatric patients. Sorland SJ, et al. **Br Heart J** 38(6):584–8, Jun 76

Proceedings: Mustard operation in patients with pulmonary vascular disease. Stark J, et al. **Br Heart J** 38(3):317, Mar 76

Editorial: Transposition of the great arteries. **Br Med J** 1(6018):1104–5, 8 May 76

Transposition of the great arteries: logical anatomical arterial correction. Ross D, et al. **Br Med J** 1(6018):1109–11, 8 May 76

Anatomical correction of complete transposition of the great arteries and ventricular septal defect in infancy. Yacoub MH, et al. **Br Med J** 1(6018):1112–4, 8 May 76

Late dysrhythmias and disturbances of conduction following Mustard operation for complete transposition of the great arteries. Clarkson PM, et al. **Circulation** 53(3):519–24, Mar 76

Late postoperative hemodynamic results and cineangiocardiographic findings after Mustard atrial baffle repair for transposition of the great arteries. Clarkson PM, et al. **Circulation** 53(3):525–32, Mar 76

Protection of the sinus node in Mustard's operation. El-Said GM, et al. **Circulation** 53(5):788–91, May 76

Hemodynamic studies in children four to ten years after the Mustard operation for transposition of the great arteries. Godman MJ, et al. **Circulation** 53(3):532–8, Mar 76

Abnormalities of right ventricular function following Mustard's operation for transposition of the great arteries. Graham TP Jr, et al. **Circulation** 52(4):678–84, Oct 75

Deep hypothermia with partial E.C.G. in T.G.A. pp. 138–42. Barrat-Boyes B.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

T.G.V. and coarctation of the aorta. pp. 157–60. Barratt-Boyes B.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

Complex transposition of the great arteries: post-operative treatment. pp. 164–9. Clarke P.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

Deep hypothermia. pp. 142–6. Mohri H.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

T.G.V., V.S.D. and pulmonary stenosis. pp. 161–4. Subramanian S.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

Complex transposition of the great arteries: early and late complications. pp. 169–71. Wallace R.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

Simple transposition of the great arteries: correction with extracorporeal circulation and mild hypothermia. pp. 135–8. Waterston D.
In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.

Proceedings: The Blalock Hanlon operation as a primary procedure for simple transposition of the great vessels. Hermann VM, et al. **J Cardiovasc Surg (Torino)** 17(1):90, Jan–Feb 76

Correction of transposition of the great vessels: assessment of clinical experience. Lindesmith GG, et al. **J Cardiovasc Surg (Torino)** Spec No:241–5, 1973

Transposition of the great arteries in infants. Technique and results. Stark J, et al. **J Cardiovasc Surg (Torino)** Spec No:225–8, 1973

Correction of transposition of the great vessels with previous Baffes procedure. Deboer A, et al. **J Pediatr Surg** 10(6):925–33, Dec 75

Intraventricular repair of transposition complexes with ventricular septal defect. Cooley DA, et al. **J Thorac Cardiovasc Surg** 71(3):461–4, Mar 76

Anatomic correction of transposition of the great vessels. Jatene AD, et al. **J Thorac Cardiovasc Surg** 72(3):364–70, Sep 76

Intraventricular repair of single ventricle associated with transposition of the great arteries. Kawashima Y, et al. **J Thorac Cardiovasc Surg** 72(1):21–7, Jul 76

Complete repair of transposition of the great arteries with pulmonary atresia. Marcelletti C, et al. **J Thorac Cardiovasc Surg** 72(2):215–20, AUG 76

The Rastelli operation for transposition of the great arteries. Early and late results. Marcelletti C, et al. **J Thorac Cardiovasc Surg** 72(3):427–34, Sep 76

Transient protein-losing enteropathy secondary to elevated caval pressures and caval obstruction after the Mustard procedure. Moodie DS, et al. **J Thorac Cardiovasc Surg** 72(3):379–82, Sep 76

Operative indication for corrective surgery in cases of complete transposition of the great arteries associated with large ventricular septal defect. Mori A, et al. **J Thorac Cardiovasc Surg** 71(5):750–8, May 76

Unusual complication after total correction of transposition of the great arteries. A case report. Wildevuur CR, et al. **J Thorac Cardiovasc Surg** 70(3):471–7, Sep 75

Successful repair of double-outlet right ventricle with bilateral conus, l-transposition of great arteries (S,D,L), and subpulmonary ventricular septal defect. Yamaguchi M,

et al. **J Thorac Cardiovasc Surg** 71(3):366–70, Mar 76
Anatomic correction of transposition of great arteries. Kaye MP. **Mayo Clin Proc** 50(11):638–40, Nov 75
Reconstruction of superior vena cava–right atrial continuity and 'anatomic' repair of transposition of great arteries with ventricular septal defect. Marcelletti C, et al. **Mayo Clin Proc** 51(3):163–6, Mar 76
Rashkind's operation in treatment of complete transposition of the great vessels in the newborn and infants. Chrościcki A, et al. **Pol Med Sci Hist Bull** 15(2):223–8, Mar–Apr 75
The Mustard operation for transposition of the great arteries (TGA). Technical considerations. Tjönneland S, et al. **Scand J Thorac Cardiovasc Surg** 10(2):123–5, 1976
Dacron conduit with a stented porcine xenograft valve in the anatomic correction of transposition of the great arteries and subpulmonary stenosis. Gonzalez-Lavin L, et al. **Thorax** 30(6):644–9, Dec 75
Complete correction of transposition of the great arteries with left juxtaposition of the atrial appendages. Vidne BA, et al. **Thorax** 31(2):178–80, Apr 76
[Transposition of the great vessels. Corrective surgery by Mustard's method in 5 children] Utzon F. **Ugeskr Laeger** 138(35):2127–32, 23 Aug 76 (Eng. Abstr.) **(Dan)**
[Pulmonary stenosis by accessory valve tissue following corrected transposition of the great vessels (author's transl)] David M, et al. **Ann Chir Thorac Cardiovasc** 15(1):55–9, Jan 76 (11 ref.) (Eng. Abstr.) **(Fre)**
[Extracardiac reinnervation after cardiac inversion. Experimental study of a new technique for correction of transposition of the great vessels (author's transl)] Dureau G, et al. **Ann Chir Thorac Cardiovasc** 15(2):171–3, Apr 76 (Eng. Abstr.) **(Fre)**
[Results of Mustard's operation for transposition of the great vessels. Apropos of 81 cases of children who survived the intervention with a follow-up of from 1 to 6 years] Casasoprana A, et al. **Arch Fr Pediatr** 33(4):347–58, Apr 76 (Eng. Abstr.) **(Fre)**
[Transposition of the great arteries] pp. 124–30. Aubert J. **In: Parenzan DL, Carcassonne M, ed. Open heart surgery in infancy. Vol II. Milano, SAPIL, 1974. WG I606o 1972 v.2.** **(Fre)**
[Letal rate and late complications following palliative surgery of transposition of the great arteria (author's transl)] Bircks W, et al. **Thoraxchirurgie** 23(5):452–5, Oct 75 (Eng. Abstr.) **(Ger)**
[Transportation of great arteries: possibilities and problems of surgical treatment (author's transl)] Messmer BJ, et al. **Thoraxchirurgie** 23(6):522–32, Dec 75 (Eng. Abstr.) **(Ger)**
[Proceedings: Corrected transposition of the great vessels as a differential diagnostic alternative to myocardiopathy] Olbermann M, et al. **Z Kardiol** Suppl 2:120, 1975 **(Ger)**
[Surgical repair of transposition of the great arteries] Goor D, et al. **Harefuah** 89(8):345–8, 15 Oct 75 (Eng. Abstr.) **(Heb)**
[Transposition of great vessels. Our experience with 14 cases of radical correction] Pellegrini A, et al. **Boll Soc Ital Cardiol** 19(4):349–50, 1974 **(Ita)**
[Surgical treatment of cardiac abnormalities associated with corrected transposition of the great arteries (author's transl)] Santoli C, et al. **G Ital Cardiol** 5(4):489–505, 1975 (Eng. Abstr.) **(Ita)**
[Progress in the surgical correction of transposition of the great vessels] pp. 477–91. Parenzan L, et al. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972.** **(Ita)**
[Surgical treatment of complete transposition of the great arteries—evaluation of the surgical technic in relation to the type of diseases] Morikawa T. **J Jpn Assoc Thorac Surg** 23(7):894–910, Jul 75 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of systemic atrioventricular valve insufficiency in corrected transposition] Sakai A, et al. **J Jpn Assoc Thorac Surg** 23(11):1354–9, Nov 75 (Eng. Abstr.) **(Jpn)**
[Proceedings: Corrected transposition of great vessels—a case study] Ko Y, et al. **Jpn Circ J** 39(7):849, Jul 75 **(Jpn)**
[Mustard type surgery—follow-up studies] **Jpn J Thorac Surg** 28(12):898–9, Dec 75 **(Jpn)**
[Surgical management of transposition of great vessels—Rastelli's method] Konno S, et al. **Jpn J Thorac Surg** 28(11):800–2, Nov 75 **(Jpn)**
[The Hospital for sick children in Toronto, with special reference to the recent trend in surgical management of transposition of great vessels] Takeuchi H. **Jpn J Thorac Surg** 29(7):500–1, 1976 **(Jpn)**
[Mustard surgery in transposition of great vessels] Tsunemoto M. **Jpn J Thorac Surg** 29(1):37–8, Jan 76 **(Jpn)**
[Balloon atrioseptostomy (B.A.S.) in the management of neonates and infants with transposition of great vessels (author's transl)] Chroscicki A, et al. **Probl Med Wieku Rozwoj** 5:239–43, 1975 (Eng. Abstr.) **(Pol)**
[Palliative procedures in children with transposition of great arteries (author's transl)] Smólska I, et al. **Probl Med Wieku Rozwoj** 5:245–50, 1975 (Eng. Abstr.) **(Pol)**
[Total transposition of the great vessels: Surgical treatment] Cordovilla G, et al. **Arch Inst Cardiol Mex** 45(4):503–11, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

TRANSSEXUALISM

Reassessment of homosexuality and transsexualism. Friedman RC, et al. **Annu Rev Med** 27:57–62, 1976
Autonomic responses of transsexual and homosexual males to erotic film sequences. Barr R, et al. **Arch Sex Behav** 5(3):211–22, May 76
Behavioral differences and emotional conflict among male–to–female transsexuals. Levine EM, et al. **Arch Sex Behav** 5(1):81–6, Jan 76
A body image scale for evaluating transsexuals. Lindgren TW, et al. **Arch Sex Behav** 4(6):639–56, Nov 75
A law concerning sex reassignment of transsexuals in Sweden. Walinder J, et al. **Arch Sex Behav** 5(3):255–8, May 76
Transvestism and trans–sexualism. Randell J. **Br J Psychiatry** Spec No 9:201–5, 1975 (5 ref.)
Psychopathology in female sex–change applicants and two help–seeking controls. Roback HB, et al. **J Abnorm Psychol** 85(4):430–2, Aug 76
The diagnosis and treatment of transvestites and transsexuals. Pomeroy W. **J Sex Marital Ther** 1(3):215–24, Spring 75
Laryngeal chondroplasty for appearance. Wolfort FG, et al. **Plast Reconstr Surg** 56(4):371–4, Oct 75
Transsexualism: A selective review. McKee EA. **South Med J** 69(2):185–7, Feb 76
[Intellectual standard of transsexual subjects (author's transl)] Sípová I. **Cesk Psychiatr** 71(2–3):131–6, Jun 75 (Eng. Abstr.) **(Cze)**
[Note on transsexulaism] Saucier JL. **Union Med Can** 104(8):1240–42, Aug 75 **(Fre)**
[Animal experimental studies on transsexualism] Neumann F. **Beitr Sexualforsch** 49:54–69, 1970 **(Ger)**
[Transsexuality–medical and legal aspects (author's transl)] Jörgensen G, et al. **Munch Med Wochenschr** 118(20):639–44, 14 May 76 (Eng. Abstr.) **(Ger)**
[Transsexualism] Vietze G. **Z Aerztl Fortbild (Jena)** 69(17):939–43, 1 Sep 75 **(Ger)**

COMPLICATIONS

[Cerebral dysfunction in transsexualism] Kockott G, et al. **Nervenarzt** 47(5):310–8, May 76 **(Ger)**

DIAGNOSIS

[Female transsexualism in psychiatric diagnosis] Falicki Z, et al. **Psychiatr Pol** 9(6):647–51, Nov–Dec 75 **(Pol)**
[Value of cytogenetic study in transsexualism.] Saldanha PH, et al. **Arq Neuropsiquiatr** 34(3):251–7, Sep 76 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Pulmonary embolism in a transsexual man taking diethylstilbestrol. Lehrman KL. **JAMA** 235(5):532–3, 2 Feb 76

ETIOLOGY

Transsexualism as a concretized manifestation of orality. Shave D. **Am J Psychoanal** 36(1):57–66, Spring 76
Male transsexualism. Confirmation of a hypothesis? Baker HJ. **Arch Gen Psychiatry** 32(12):1587–8, Dec 75

FAMILIAL & GENETIC

Transsexualism in two male triplets. McKee EA, et al. **Am J Psychiatry** 133(3):334–40, Mar 76
Sexual and other abnormalities in the family of a transsexual. Hoenig J, et al. **Psychiatr Clin (Basel)** 7(6):334–46, 1974

HISTORY

Transsexualism in history. Bullough VL. **Arch Sex Behav** 4(5):561–71, Sep 75

METABOLISM

On the evocability of a positive oestrogen feedback action on LH secretion in transsexual men and women. Dörner G, et al. **Endokrinologie** 67(1):20–5, Mar 67

PATHOLOGY

Sella turcica in male–to–female transsexuals. Lundberg PO, et al. **Arch Sex Behav** 4(6):657–62, Nov 75

PHYSIOPATHOLOGY

The psychodynamics of male transsexualism. pp. 315–25. Person ES, et al. **In: Friedman RC et al., ed. Sex differences in behavior. New York, Wiley, 1974. BF 692 S515 1973.**

SURGERY

Male transsexuals: a long–term follow–up after sex reassignment operations. Stürup GK. **Acta Psychiatr Scand** 53(1):51–63, Jan 76
Sex conversion surgery in a man with severe gender dysphoria. A tragic outcome. Van Putten T, et al. **Arch Gen Psychiatry** 33(6):751–3, Jun 76
Experience with the 1–stage surgical approach for constructing female genitalia in male transsexuals. Malloy TR, et al. **J Urol** 116(3):335–7, Sep 76
[Risk of gynaecologists participating in operations of transsexualism (author's transl)] Veselý K. **Cesk Gynekol** 40(10):720, Dec 75 **(Cze)**
[Transsexuals after the change of sex. Experiences and findings in Johns Hopkins Hospital] Money J, et al. **Beitr Sexualforsch** 49:70–87, 1970 **(Ger)**

THERAPY

Treatment of the transsexual and medicolegal issues. Crovitz E. **Forensic Sci** 7(1):1–8, Jan–Feb 76
[Transsexualism in childhood] Poulsen H. **Ugeskr Laeger** 138(19):1154–8, 3 May 76 (Eng. Abstr.) **(Dan)**

TRANSUDATES see **EXUDATES AND TRANSUDATES**

TRANSVESTISM

Transvestism and trans–sexualism. Randell J. **Br J Psychiatry** Spec No 9:201–5, 1975 (5 ref.)
Transvertism: a disorder of the sense of self. Ovesey L, et al. **Int J Psychoanal Psychother** 5:219–36, 1976
The diagnosis and treatment of transvestites and transsexuals. Pomeroy W. **J Sex Marital Ther** 1(3):215–24, Spring 75
[Transsexualism] Vietze G. **Z Aerztl Fortbild (Jena)** 69(17):939–43, 1 Sep 75 **(Ger)**

COMPLICATIONS

[Homosexuality with transvestism in a mentally retarded person] Panikiewska W, et al. **Psychiatr Pol** 9(4):465–6, Jul–Aug 75 **(Pol)**

DRUG THERAPY

Successful lithium treatment of transvestism associated with manic–depression. Ward NG. **J Nerv Ment Dis** 161(3):204–6, Sep 75

ETIOLOGY

[Problems of transvestism manifestations in childhood] Bräuerová E, et al. **Cesk Pediatr** 31(1):20–1, Jan 76 (Eng. Abstr.) **(Cze)**

TRANYLCYPROMINE

ANALYSIS

A sensitive enzymatic assay for dextro– or levo–tranylcypromine in brain. Fuentes JA, et al. **Biochem Pharmacol** 24(21):1971–3, 1 Nov 75

PHARMACODYNAMICS

Stereotyped hyperactivity in rats treated with tranylcypromine and specific inhibitors of 5–HT reuptake. Holman RB, et al. **Behav Biol** 16(4):507–14, Apr 76
Comparison of the apparent antidepressant activity of (–) and (+) tranylcypromine in an animal model. Fuentes JA, et al. **Biochem Pharmacol** 25(7):801–4, 1 Apr 76
Effects of iproniazid and tranylcypromine of the half–life of N,N–dimethyltryptamine in rat brain and liver. Wang Lu LJ, et al. **Biochem Pharmacol** 25(13):1521–7, 1 Jul 76
Effects of monoamine oxidase inhibition by clorgyline, deprenil or tranylcypromine on 5–hydroxytryptamine concentrations in rat brain and hyperactivity following subsequent tryptophan administration. Green AR, et al. **Br J Pharmacol** 55(3):415–22, Nov 75
Evidence concerning the involvement of 5–hydroxytryptamine in the locomotor activity produced by amphetamine or tranylcypromine plus L–DOPA. Green AR, et al. **Br J Pharmacol** 57(1):141–7, May 76
Proceedings: The effects of amantadine, tranylcypromine, amphetamine and tyramine on the response of the rat anococcygeus muscle after bretylium. Cunnane T, et al. **J Pharm Pharmacol** 27 Suppl?–2:14P, Dec 75

THERAPEUTIC USE

Parachlorophenylalanine reversal of tranylcypromine effects in depressed patients. Shopsin B, et al. **Arch Gen Psychiatry** 33(7):811–9, Jul 76
Letter: Post–traumatic depression treated by exercise and monoamine oxidase inhibitors. Moran AJ. **Med J Aust** 2(23):888, 6 Dec 75

TRAPYMIN see under **PYRIMIDINES**

TRASENTINE see **ADIPHENINE**

TRASYLOL see **KALLIKREIN–TRYPSIN INACTIVATOR**

TRAUMA see **WOUNDS AND INJURIES**

TRAUMA CENTERS

A clinical experience of major multiple trauma in Maryland. Gill W, et al. **Md State Med J** 25(1):55–8, Jan 76
Regionalization of trauma patient care: the Illinois experience. Boyd DR, et al. **Surg Annu** 7:25–52, 1975
[The organization of traumatologic–orthopaedic health services in urban communities of the Soviet Union (author's transl)] Rogovoj MA. **Acta Chir Orthop Traumatol Cech** 43(3):256–61, Jun 76 (Eng. Abstr.) **(Cze)**
[Work experience of the Sverdlovsk Institute of Traumatology and Orthopedics in the development of socialist competition and movement toward communist regard for the work] Lubegina ZP. **Ortop Travmatol Protez** (5):70–4, May 75 **(Rus)**

UTILIZATION

Inpatients in an accident unit. Stableforth PG. **Br Med J** 1(6004):268–70, 31 Jan 76

TRAUMA UNITS see **TRAUMA CENTERS**

TRAVEL

Malaria – the mime. Recent lessons from a group of civilian travellers. Kean BH, et al. **Am J Med** 61(2):159–64, Aug 76

Editorial: Four weeks in July. Schorr TM. **Am J Nurs** 76(9):1423, Sep 76

Leishmania tropica infections in travellers. Rau RC, et al. **Arch Dermatol** 112(2):197–201, Feb 76

Acute myocardial infarction in an American traveler in China. Lehman JS Jr, et al. **Arch Intern Med** 136(7):804–6, Jul 76

Medical aspects of supersonic travel. Preston FS. **Aviat Space Environ Med** 46(8):1074–8, Aug 75

Editorial: Travellers' diarrhoea: prospective study by physicians. **Br Med J** 2(6032):385–6, 14 Aug 76

[Editorial: Insects from elsewhere] Laird M. **Can J Public Health** 66(6):447–50, Nov–Dec 75 **(Eng, Fre)**

African cattle tick infesting a Canadian. Scholten T. **Can Med Assoc J** 115(6):491–2, 18 Sep 76

Changes in subsidiary reaction time and heart-rate during car driving, passenger travel and stationary conditions. Laurell H, et al. **Ergonomics** 19(2):149–56, Mar 76

Age and the journey to work. Clemente F, et al. **Gerontologist** 14(3):215–6, Jun 74

Madness in paradise: psychiatric crises among newcomers in Honolulu. Kimura SP, et al. **Hawaii Med J** 34(8):275–8, Aug 75

Travel and health Reid D. **Health Bull (Edinb)** 34(2):101–3, Mar 76

'Turista'—it's not a single disease. McIntosh HD, et al. **Heart Lung** 5(4):636–40, Jul–Aug 76

Circadian phase-shifting with and without geographic displacement. pp. 557–74. Levine H, et al. **In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.**

Adaptation of circadian rhythms in urinary excretions to local time, after rapid air travel. pp. 555–9. Gerritzen F, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

The resynchronization of human circadian rhythms after transmeridian flights as a result of flight direction and mode of activity. pp. 564–70. Klein KE, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Algorithms in the diagnosis and management of exotic diseases. XII. Prevention of exotic diseases: advice to travelers. Warren KS, et al. **J Infect Dis** 133(5):596–601, May 76

Immunization requirements for travelers. **J Iowa Med Soc** 65(9):401, Sep 75

X-ray machines for airport security. Holder LE. **JAMA** 233(13):1393–4, 29 Sep 75

Travelers' diarrhea. Merson MH, et al. **JAMA** 234(2):200–1, 13 Oct 75

Editorial: Montezuma's revenge. **Lancet** 2(7975):30, 3 Jul 76

Letter: Montezuma's revenge. Baron JH. **Lancet** 2(7977):143, 17 Jul 76

Man in transit: Biochemical and physiological changes during intercontinental flights. Carruthers M, et al. **Lancet** 1(7967):977–81, 8 May 76

Clinical aspects of outbreak of staphylococcal food poisoning during air travel. Effersoe P, et al. **Lancet** 2(7935):599–600, 27 Sep 75

Staphylococcal food poisoning aboard a commercial aircraft. Eisenberg MS, et al. **Lancet** 2(7935):595–9, 27 Sep 75

Editorial: Air travel and the elderly. **Med J Aust** 2(3):77–8, 19 Jul 75

The tourist as patient. Sorokin M. **Med J Aust** 2(5):182–5, 2 Aug 75

Travelers' warning: Entero-Vioform abroad. **Med Lett Drugs Ther** 17(26):105–6, 19 Dec 75

Editorial: Gastroenterologists on the move: the nature of travelers' diarrhea. Donta ST. **N Engl J Med** 294(24):1340–1, 10 Jun 76

Editorial: More on specialists' motivations and movements. Ingelfinger FJ. **N Engl J Med** 294(24):1341–2, 10 Jun 76

Travelers' diarrhea in Mexico. A prospective study of physicians and family members attending a congress. Merson MH, et al. **N Engl J Med** 294(24):1299–305, 10 Jun 76

Prevention of infected persons and animals entering the country. Turner AC. **Nurs Times** 72(15):suppl:28–30, 15 Apr 76

Editorial: E. coli and travellers diarrhoea. **NZ Med J** 82(553):387–8, 10 Dec 75

Letter: Typhoid fever. Dodge JS. **NZ Med J** 83(561):243, 14 Apr 76

Accessibility for disabled people—a personal viewpoint. Denly OA. **Physiotherapy** 60(9):267–70, Sep 74

Outdoor mobility — the situation today. Large P. **Physiotherapy** 60(9):264–7, Sep 74

Sexually transmitted diseases and the mobility explosion. Catterall RD. **Postgrad Med J** 51(602):838–42, Dec 75

Problems of pilgrimages. Henderson RJ. **Postgrad Med J** 51(602):845–7, Dec 75

Some problems of high speed travel. Reader DC. **Postgrad Med J** 51(602):848–50, Dec 75

Bites and stings in travellers. Reid HA. **Postgrad Med J** 51(602):830–7, Dec 75

Respiratory virus infections in travellers. Tyrrell DA. **Postgrad Med J** 51(602):843–4, Dec 75

Diseases of travel, with particular reference to tropical diseases. Woodruff AW. **Postgrad Med J** 51(602):825–9, Dec 75

Vaccination for international travel. Turner AC. **Practitioner** 215(1287):320–6, Sep 75

[Course of cholera in vaccinated subjects. contribution to the suitability of vaccination of persons arriving from endemic regions for the sanitary protection of national borders] Mirovský J. **Cas Lek Cesk** 114(28):869–71, 11 Jul 75 (Eng. Abstr.) **(Cze)**

[Health protection of state frontiers and vaccination of persons going abroad and coming to Czechoslovakia] Hajduk F. **Zdrav Aktual** (162):1–90, 1966 **(Cze)**

[Recommandations before a trip to tropical countries and examinations upon return (author's transl)] Fernex M. **Ther Umsch** 31(6):422–30, Jun 74 (Eng. Abstr.) **(Fre)**

[Travel and vacation as provoking factors in endogenous depression] pp. 123–7. Müller-Fahlbusch H, et al. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**

[Inoculation for tourism (author's transl)] Haas R. **Munch Med Wochenschr** 118(35):1069–74, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Travel during pregnancy (author's transl)] Lehmann WD. **Munch Med Wochenschr** 118(35):1079–82, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Recommendations for travel and residence in the tropics (author's transl)] Mohr W. **Munch Med Wochenschr** 118(35):1075–8, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Tourism and risk of infection (author's transl)] Weise HJ. **Munch Med Wochenschr** 118(35):1061–8, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Protection by inoculation and against infection, particularly during holidays and travel to countries with increased risks of infection (author's transl)] Lutz-Dettinger U. **Oeff Gesundheitswes** 38(3):180–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Canadian impressions. Results of a trip to British Columbia] Baecker F. **Ther Ggw** 114(9):1468–79, Sep 75 **(Ger)**

[Necessary documents for vaccination of dogs and cats in the tourist travel abroad] Grandjean C. **Tieraerztl Prax** 4(2):255–8, 1976 **(Ger)**

[Italian lakes in regard to current tourism] Tonoli D. **Minerva Ecol Idroclimatol Fis Nucl** 15(4):138–43, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

[Change of arterial pressure during man's voyage to different parts of the earth] Boĭko EP. **Vrach Delo** (6):32–5, Jun 74 (Eng. Abstr.) **(Rus)**

[Malaria and international travel] Stjepanović R. **Nar Zdrav** 30(9–10):220–4, Sep–Oct 74 **(Ser)**

TRAZODONE see under **PIPERAZINES**

TREACHER-COLLINS SYNDROME see **MANDIBULOFACIAL DYSOSTOSIS**

TRECATOR see **ETHIONAMIDE**

TREE SHREWS see under **PROSIMIANS**

TREES

Separation of isoenzymes of acid phosphatase from needles of Pinus silvestris by partition in aqueous polymer two-phase systems. Jonsson I, et al. **Acta Chem Scand [B]** 30(1):83–5, 1976

Metabolism of ethephon (2-chloroethylphosphonic acid) and related compounds in Hevea brasiliensis. Audley BG, et al. **Arch Environ Contam Toxicol** 4(2):183–200, 1976

Estimating the effects of carbon fertilization on forest composition by ecosystem simulation. Botkin DB, et al. **Brookhaven Symp Biol** (30):328–44, Aug 73

Carbon flow and storage in a forest ecosystem. Reichle KE, et al. **Brookhaven Symp Biol** (30):345–65, Aug 73

Worker environment research. IV. The effect of dust derived from several soil types on the dissipation of parathion and paraoxon dislodgable residues on citrus foliage. Adams JD, et al. **Bull Environ Contam Toxicol** 15(5):547–54, May 76

Residues of trichlorfon and lauroyl trichlorfon in douglas-fir, willow, grass, aspen foliage, and in creek water after aerial application. Pieper GR, et al. **Bull Environ Contam Toxicol** 15(2):250–6, Feb 76

The persistence and fate of phosphamidon in a forest environment. Varty IW, et al. **Bull Environ Contam Toxicol** 15(3):257–64, Mar 76

A study of kratom eaters in Thailand. Suwanlert S. **Bull Narc** 27(3):21–7, Jul–Sep 75

Ice tolerance of cold-hardened 'Valencia' orange wood. Yelenosky G. **Cryobiology** 13(2):243–47, Apr 76

Investigation of the causes of phytotoxic phenomena on some softwood species after soil treatment with Terabol and the possibilities for their elimination. Popović J, et al. **Environ Qual Saf [Suppl]** 3:323–9, 1975

Trinucleate pollen in the genus Populus. Hamilton D, et al. **Experientia** 32(4):467–8, 15 Apr 76

Inheritance of glutamate-oxalate-transaminases (GOT) from needles and endosperms of Pinus sylvestris. Rudin D. **Hereditas** 80(2):296–300, 1975

Immunotherapy for mountain cedar pollinosis. A double-blind controlled study. Pence HL, et al. **J Allergy Clin Immunol** 58(1 PT 1):39–50, Jul 76

Tree structures: deducing the principle of mechanical design. McMahon TA, et al. **J Theor Biol** 59(2):443–66, 7 Jul 76

Minor alkaloids of Araliopsis tabouensis. Fish F, et al. **Planta Med** 29(4):310–7, Jun 76

A phytochemical study of date palm pollen. Mahran GH, et al. **Planta Med** 29(2):171–5, Mar 76

Triterpenoids of Adenanthera pavonina bark. Yadav N, et al. **Planta Med** 29(2):176–8, Mar 76

Biochemical changes in Pinus pinea seeds. II. The stimulation is isocitrate lyase and malate dehydrogenase activities by exogenous growth substances. Martínez-Honduvilla CJ, et al. **Rev Esp Fisiol** 31(1):15–20, Mar 75

Rapid biochemical test for seed germinability. Martínez-Honduvilla CJ, et al. **Rev Esp Fisiol** 31(4):289–92, Dec 75

Pine seed ribonucleases. I. Preparation and properties. Martínez-Honduvilla MJ, et al. **Rev Esp Fisiol** 31(4):283–8, Dec 75

Isocitrate lyase activities in Pinus pinea seeds. Montoya-Villarroya J, et al. **Rev Esp Fisiol** 31(2):95–8, Jun 75 (Eng. Abstr.)

The lead, copper and zinc content of tree rings and bark. A measurement of local metallic pollution. Barnes D, et al. **Sci Total Environ** 5(1):63–77, Jan 76

Timber: biological and economic potential. Spurr SH, et al. **Science** 191(4228):752–6, 20 Feb 76

[Morphological changes in the endocrine pancreas of the rabbit after the administration of a Morus alba extract] Gulubova R, et al. **Eksp Med Morfol** 14(3):166–71, 1975 (Eng. Abstr.) **(Bul)**

[Blood group like substances in amber, other natural resins and in domestic conifer needles] Gibb B. **Acta Biol Med Ger** 34(5):937–40, 1975 **(Ger)**

[A new mandelonitrile lyase from the cherrylaurel (Prunus laurocerasus) (author's transl)] Gerstner E, et al. **Hoppe Seylers Z Physiol Chem** 356(12):1853–7, Dec 75 (Eng. Abstr.) **(Ger)**

[The examinations of Japanese cedar pollinosis by the radio-allergosorbent test. Part I. Basic studies of RAST in Japanese cedar pollinosis (author's transl)] Takayama S, et al. **J Otolaryngol Jpn** 78(8):738–43, 20 Aug 75 (Eng. Abstr.) **(Jpn)**

[Isolation of new base, dehydronantenine and lignan, (-)-episyringaresinol from Nandina domestica Thunb (author's transl)] Kunitomo JI, et al. **J Pharm Soc Jpn** 95(4):445–7, Apr 75 (Eng. Abstr.) **(Jpn)**

[An analysis of cedar of Lebanon (Cedrus libani A. Rich.) pollen grain development in cultural plantings] Nikiforov IuL, et al. **Ontogenez** 6(3):277–83, 1975 (Eng. Abstr.) **(Rus)**

[The cytogenetic effect of several chemical mutagens on common spruce] Terasmaa TA. **Tsitol Genet** 10(1):61–3, Jan–Feb 76 **(Rus)**

[Experience in treating inflammatory diseases of the upper respiratory tracts with an infusion of spruce buds] Tokman AS, et al. **Zh Ushn Nos Gorl Bolezn** (5):90–1, Sep–Oct 75 **(Rus)**

[Isolation and study of the flavonoid glycosides from the buds of Tilia cordata] Zub MR. **Farm Zh** 30(3):76–9, 1975 (Eng. Abstr.) **(Ukr)**

[Biological properties of Clostridium butyricum V. phytopathogenicum var. nova, the causative agent of hornbeam disease] Gvozdiak RI, et al. **Mikrobiol Zh** 38(3):288–92, 1976 (Eng. Abstr.) **(Ukr)**

[Microflora of the rhizosphere of a fir stand infected with Fomitopsis annosa Karst] Stefurak VP. **Mikrobiol Zh** 38(3):279–82, 1976 (Eng. Abstr.) **(Ukr)**

MICROBIOLOGY

Production of gibberellin-like substances by bacteria and fungi isolated from the roots of pine seedlings (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol [B]** 7(3):157–66, 1975

[The Palmier date palm and Fusarium infection. II. Report on the stereochemistry of monosaccharides and their various derivatives and the growth of Fusarium oxysporum f.sp. albedinis (Killian et Maire) Gordon] Bounaga N. **Can J Microbiol** 22(5):636–44, May 76 (Eng. Abstr.) **(Fre)**

[Seed transmission of cherry leaf roll virus in black cherry (Prunus serotina Ehrh.)] Schimanski HH, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):117–9, 1976 (Eng. Abstr.) **(Ger)**

TREHALASE

ANALYSIS

Trehalase of Culex pipiens fatigans. Lakshmi MB, et al. **Indian J Biochem Biophys** 11(3):213–5, Sep 74

Histochemical localization of trehalase activity in dorsal flight muscle of the flesh fly Sarcophaga bullata with light and electron microscopy. Chang PL, et al. **J Histochem Cytochem** 23(11):800–7, Nov 75

BLOOD

[Trehalase in diabetes mellitus (author's transl)] Stork A, et al. **Sb Lek** 77(8):225–8, Aug 75 (Eng. Abstr.) **(Cze)**

ISOLATION & PURIFICATION

A purification of trehalase from Saccharomyces cerevisiae. Kelly PJ, et al. **Anal Biochem** 72:353–8, 7 May 76

Purification and properties of alpha,alpha–trehalase from the mucosa of rat small intestine. Sasajima K, et al. **Biochim Biophys Acta** 403(1):139–46, 22 Sep 75

METABOLISM

Increase of enzyme activities in Neurospora crassa during incubation at low temperatures. North MJ. **Biochim Biophys Acta** 422(2):309–15, 13 Feb 76

Properties of a free and a solubilized form of bound alpha,alpha–trehalase purified from honey bee thorax. Talbot BG, et al. **Can J Biochem** 53(10):1106–17, Oct 75

Transition of properties in the silk gland trehalase during metamorphosis of the silkworm, Bombyx mori. Shimada S. **Comp Biochem Physiol [B]** 54(1):47–50, 1976

An electrophoretic and pH comparison of the soluble trehalases of several insect species. Talbot BG, et al. **Comp Biochem Physiol [B]** 53(3):367–9, 1976

Circadian rhythms in digestive enzymes in the small intestine of rats. I. Patterns of the rhythms in various regions of the small intestine. Saito M, et al. **J Biochem (Tokyo)** 78(3):475–80, Sep 75

[Proceedings: Trehalase, palatinase, callobiase and raffinase activity in the mucosa of the small intestine] Savov G. **Vutr Boles** 15(1):102–3, 1976 **(Bul)**

[Influence of parenterally injected trehalose in mammals having trehalase activity at different sites] Demelier JF, et al. **Ann Biol Clin (Paris)** 33(4):297–302, 1975 (Eng. Abstr.) **(Fre)**

[Influence of parenteral injection of trehalose on mammals with different trehalase levels] Demelier JF, et al. **C R Acad Sci [D] (Paris)** 280(5):669–71, 3 Feb 75 (Eng. Abstr.) **(Fre)**

TREHALOSE see under **DISACCHARIDES**

TREMATODA

Intestinal helminths from grey mullets, Mugil capito Cuv. and M. cephalus L., of Lake Borullus, A.R.E. Moravec F, et al. **Folia Parasitol (Praha)** 22(3):279–81, 1975

On the larval trematodes recovered from Bulinus trucatus in Assiut governorate. Part 1. Furcocercous Cercariae and Xiphidiocercaria. Mandour AM, et al. **J Egypt Public Health Assoc** 49(4–5):285–94, 1974

Pathological infection of thoroughbred horses with Gastrodiscus aegyptiacus. Azzie MA. **J S Afr Vet Assoc** 46(1):77–8, Mar 75

Parasites of the Japanese badger, Meles meles anakuma Temminck, especially on Isthmiophora melis (Schrank, 1788) Lühe, 1909. Kamiya H, et al. **Jpn J Vet Res** 23(4):125–130, Oct 75

On the histomorphology of Polystomoides ludhianae n. sp. (Monogenea) recovered from the urinary bladder of Kachuga tectum and Kachuga smithi in north India. Gupta NK, et al. **Parasitologia** 16(2–3):225–9, Aug–Dec 74

Digenetic trematodes from rats, squirrels and tree shrews in Malaysia. Betterton C, et al. **Southeast Asian J Trop Med Public Health** 6(3):343–58, Sep 75

Studies on the ultrastructure, histochemistry and cytochemistry of the uninfected digestive gland of Bithynia tentaculata (Mollusca: Gastropoda) and on the ultrastructure of this host organ in snails infected with larval digeneans. Reader TA. **Z Parasitenkd** 50(1):11–30, 27 Jul 76

Egg–shell formation in Isoparorchis hypselobagri. Srivastava M, et al. **Z Parasitenkd** 49(1):93–6, 31 Mar 76

[Castration of the snail Biomphilaria glabrata by the larvae of various Guadeloupean trematoda] Golvan Y, et al. **C R Acad Sci [D] (Paris)** 280(13):1607–10, 7 Apr 75 (Eng. Abstr.) **(Fre)**

[Metacercaria in the invertebrates of the Madras coast] Reimer LW. **Angew Parasitol** 17(1):33–43, Mar 76 (Eng. Abstr.) **(Ger)**

[A further contribution to the parasite fauna of the red fox, Vulpes vulpes (L.), in Austria] Hinaidy HK. **Zentralbl Veterinaermed [B]** 23(1):66–73, Feb 76 (Eng. Abstr.) **(Ger)**

[Parasites of fish in Guanabara State. Part II] Gomes DC, et al. **Mem Inst Oswaldo Cruz** 72(1–2):9–19, 1974 **(Por)**

[Demonstration of cercaria of the family Schistosomatidae in the Kiev water reservoir] Chernogorenko MI. **Med Parazitol (Mosk)** 44(2):222–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Monogenea and fishes of some fresh water reservoirs of the Kol'sk peninsula] Mitenev VK, et al. **Parazitologiia** 9(3):220–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Life cycle of the trematode, Crowcrocaecum skrjabini (Iwanitzky, 1928) (Allocreadiata, Opecoelidae)] Sten'ko RP. **Parazitologiia** 10(1):9–16, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Quantitative studies of glycogen in Clinostomum complanatum (Rud. 1809) & Euclinostomum heterostomum (Rud. 1809) (Clinostomatidae: Trematoda) & a note on the correlation between the total glycogen & the habitat of worms. Ramanaiah BV, et al. **Indian J Exp Biol** 13(2):221–2, Mar 75

Trace elements in Isoparorchis hypselobagri. Srivastava M, et al. **Z Parasitenkd** 48(3–4):271–3, 6 Feb 76

Amino acid composition in Isoparorchis hypselobagri. Srivastava M, et al. **Z Parasitenkd** 49(2):183–5, 30 Apr 76

ANATOMY & HISTOLOGY

Variability of hard parts of opisthaptor of two species of Gyrodactylus nordmann, 1832 (Monogenoidea) from Phoxinus Phoxinus (L.). Ergens R. **Folia Parasitol (Praha)** 23(2):111–26, 1976

Redescription of Apharyngostrigea ramai (Verma, 1936). A Trematode of cattle egret. Mishra PN, et al. **Folia Parasitol (Praha)** 22(1):89–91, 1975

Selective staining or opisthaptor sclerites of some monogeneans. Zdarská Z. **Folia Parasitol (Praha)** 23(2):182, 1976

Miracidium of Allocreadium fasciatusi Kakaji 1969 (Trematoda: Allocreadiidae). Madhavi R. **J Parasitol** 62(3):410–2, Jun 76

The sensory receptors of two cercariae from Malaysia: Trichobilharzia brevis (Schistosomatidae) and Haplorchis Pumilio (Heterophyidae). Bayssade–Dufour C, et al. **Southeast Asian J Trop Med Public Health** 6(3):338–42, Sep 75

Observations on the cercaria and metacercaria of Philophthalmus hegeneri (Trematoda). Fried B, et al. **Trans Am Microsc Soc** 95(1):86–91, Jan 76

[Opisthioglyphe jourdanei n.sp. (Trematoda, Omphalometridae) in the rodent Apodemus sylvaticus (L.)] Combes C, et al. **Ann Parasitol Hum Comp** 50(1):39–44, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[The chetotaxy of the swimming larvas of the European Polystomes (Monogenea)] Combes C, et al. **Ann Parasitol Hum Comp** 50(1):25–37, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Contribution to the study of the Microphallidae Travassos, 1920 (Trematoda). XXX. A propose of some species described in Japan by S. Yamaguti. C. Maritrema eroliae and the genus Pseudospelotrema] Deblock S. **Ann Parasitol Hum Comp** 50(1):45–54, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Redescription of Holorchis pycnoporus Stossich, 1901, parasite of the intestine of Diplodus vulgaris (Geoffroy Saint–Hilaire) 1809, and remarks on the genus Holorchis Stossoch, 1901] Paggi L, et al. **Parassitologia** 16(2–3):209–14, Aug–Dec 74 (Eng. Abstr.) **(Ita)**

[Gladular formations in cercariae and the main trends in their evolution] Ginetsinskaia TA, et al. **Parazitologiia** 10(4):338–45, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

[Polymorphism of the median crochets of Dactylogyrus vastator Nyb., 1924 (Monogenoidea) from the crucian carp, Carassius carassius L] Kulemina IV. **Parazitologiia** 10(4):352–8, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

[Cercaria splendens Szidat—larva of the trematode Azygia lucii Looss] Odening K. **Parazitologiia** 9(3):232–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Ecological significance of the dilation of the distal portion of the uterus of some trematodes] Oshmarin PG. **Parazitologiia** 9(5):432–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Metacercaria of Cyathocotyle prussica Mühling, 1896 (Cyathocotylidae, Trematoda)] Razmashkin DA. **Parazitologiia** 9(4):327–34, Jul–Aug 75 **(Rus)**

CLASSIFICATION

Salcedo LE. **Ann Parasitol Hum Comp** 50(5):591–4, Sep–Oct 75

Redescription of two species of the genus Gyrodactylus Nordmann, 1832 (Monogenoidea) from Misgurnus anguillicaudatus. Ergens R. **Folia Parasitol (Praha)** 22(4):363–8, 1975

Three new species of Gyrodactylus (Monogenoidea) from Varicorhinus capoeta gracilis (Keyserling) from the River Lenkoranka. Ergens R, et al. **Folia Parasitol (Praha)** 23(2):179–82, 1976

Gyrodactylus costatae sp. n. (Gyrodactylidae: Monogenoidea) from Lefua costata (Kessler). Ergens R, et al. **Folia Parasitol (Praha)** 23(2):186, 1976

Two new species of Gyrodactylus (Monogenoidea) from Schizothorax intermedius McClelland from the River Kafirnigan. Ergens R, et al. **Folia Parasitol (Praha)** 23(2):183–5, 1976

Gyrodactylus konovalovi sp. n. (Gyrodactylidae: Monogenoidea) from Phoxinus lagowskii Dybowski. Ergens R. **Folia Parasitol (Praha)** 23(1):87–9, 1976

Abyssotrema pritchardae gen. et sp. n. (Digenea: Fellodistomidae) from the deep–sea fish, Alepocephalus agassizi Goode and Bean 1883. Campbell RA. **J Parasitol** 61(4):661–4, Aug 75

Corrigia Obscura Sp. N. (Trematoda: Dicrocoeliidae) from the North American black duck. Daniels BA, et al. **J Parasitol** 62(1):59–62, Feb 76

A new species of Urocleidus (Trematoda: Monogenea) from gills of the white perch, Morone americana (Gmelin). Mayes MA, et al. **J Parasitol** 61(6):1050–2, Dec 75

Cercaria stephanocauda Faust 1921, the larva of Leuceruthrus micropteri Marshall and Gilbert 1905. Patton S. **J Parasitol** 62(1):101, Feb 76

Turgecaecum longifauces gen. et sp. n. (Digenea: Cryptogonimidae) from Suwanee bass, Micropterus notius Bailey and Hubbs, and emendation of the subfamily Caecincolinae Yamaguti 1958. Sullivan JR. **J Parasitol** 61(5):868–9, Oct 75

Digenetic trematodes from rats, squirrels and tree shrews in Malaysia. Betterton C, et al. **Southeast Asian J Trop Med Public Health** 6(3):343–58, Sep 75

Alloglossidium renale n. sp. (Digenea: Macroderoididae) from a fresh–water shrimp and A. progeneticum n. comb. Font WF, et al. **Trans Am Microsc Soc** 94(3):421–4, Jul 75

[Microphallidae Travassos, 1920 (Trematoda). XXXIII. Apropos of 11 species described or collected by P. Oschmarin in the Far East (author's transl)] Deblock S. **Ann Parasitol Hum Comp** 50(6):715–30, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Mesostephanus Lutz, 1935 (Strigeata: Cyathocotyloidea)] Dubois G. **Ann Parasitol Hum Comp** 50(4):447–59, Jul–Aug 75 **(Fre)**

[Contribution to the study of Trematodes in Amphibians from the Cameroon (author's transl)] Gassmann M. **Ann Parasitol Hum Comp** 50(5):559–77, Sep–Oct 75 **(Fre)**

[Attempt to determine by chaetotaxy the genus of a microphallid cercaria parasiting Cerithium meditteraneum Deshayes (author's transl)] Richard J. **Ann Parasitol Hum Comp** 51(1):37–40, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Assitrema eichleri gen. et spec. nov., a new trematode species from the Indian Ocean] Paruchin AM. **Angew Parasitol** 17(1):6–9, Mar 76 (Eng. Abstr.) **(Ger)**

New species in genus Azygia Looss, 1899 (Trematoda, Azygiidae) Frolova EN, et al. **Parazitologiia** 9(6):489–93, Nov–Dec 75 **(Rus)**

[2 new species of trematodes, Gonocerca macrouri sp. n. and Hemiuris macrouri sp. n., from Macrouris rupestris of the southeast Atlantic] Gaevskaia AV. **Parazitologiia** 9(5):457–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Diplaxine popovae gen. et sp. n., a new representative of the family Axinidae Unnithan, 1957 (Monogenoidea)] Gichenok LA. **Parazitologiia** 9(4):315–20, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Metacercariae of the genus Diplostomum in the fauna of the USSR] Shigin AA. **Parazitologiia** 10(4):346–51, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

[New representatives of the lower Monogenea from the gills of fishes of the fam. Fomacentridae from the Gulf of Mexico] Zhukov EV. **Parazitologiia** 10(4):359–68, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Functional significance of non–specific esterase and its involvement in the excretory mechanism of trematodes, cestodes and nematodes. Gupta AN, et al. **Acta Morphol Neerl Scand** 13(3):219–26, Nov 75

A gelatin film procedure for the localization of proteolytic activity in Leucochloridiomorpha constantiae (Trematoda) adults. Fried B, et al. **Int J Parasitol** 6(4):311–3, Aug 76

Non–specific alkaline phosphomonoesterases of eight species of digenetic trematodes. Nizami WA, et al. **J Helminthol** 49(4):281–7, Dec 75

Cytochemical observations on the gastrodermis of digenetic trematodes. Bogitsh BJ. **Trans Am Microsc Soc** 94(4):524–8, Oct 75 (25 ref.)

GROWTH & DEVELOPMENT

The life cycles, intermediate hosts, and larval stages of Rhipidoctyle transversale Chandler, 1935 and Rhipidoctyle lintoni Hopkins, 1954: life–cycles and systematics of bucephalid trematodes. Stunkard HW. **Biol Bull** 150(2):294–317, Apr 76

Survival of two trematode parasites (Diplostomum spp.) in mammalian eyes and associated pathology. Lester RJ, et al. **Can J Ophthalmol** 11(3):229–34, Jul 76

Migration, development, and condition of Trichobilharzia ocellata (Trematoda: Schistosomatidae) in homologous challenge infections. Ellis JC, et al. **Can J Zool** 53(12):1803–11, Dec 75

Experimental studies on the life cycle of Cyclocoelum mutabile (Zeder) (Trematoda: Cyclocoelidae). McLaughlin JD. **Can J Zool** 54(1):48–54, Jan 76

Intramolluscan trematode antagonism in a genetically susceptible strain of Biomphalaria glabrata. Page MR, et al. **Int J Parasitol** 6(2):117–20, Apr 76

Early development and pathogenesis of Lobatostoma manteri Rohde (Trematoda: Aspidogastrea). Rohde K. **Int J Parasitol** 5(6):597–607, Dec 75

Cotylurus lutzi (Strigeidae): pre–and postadult stages cultured in vitro. Basch PF, et al. **J Invertebr Pathol** 26(2):263–4, Sep 75

The life cycle of Haematoloechus coloradensis Cort 1915 (Digenea: Plagiorchiidae), with emphasis on host susceptibility to infection. Dronen NO Jr. **J Parasitol** 61(4):657–60, Aug 75

Development of the large American liver fluke, Fascioloides magna, in white–tailed deer, cattle, and sheep. Foreyt WJ, et al. **J Parasitol** 62(1):26–32, Feb 76

Observations on the life histories of Paramacroderoides pseudoechinus sp. n. (Digenea: Plagiorchioidea) and P. echinus Venard 1941, trematodes from the Florida gar. Leigh WH. **J Parasitol** 61(5):873–6, Oct 75

Environmental temperature and the development of Schistosomatium douthitti in mice. Lightner LK. **J Parasitol** 61(5):972–3, Oct 75

The life history of Plagioporus shawi (McIntosh 1939) (Trematoda:Opecoelida), an intestinal parasite of salmonid fishes. Schell SC. **J Parasitol** 61(5):899–905, Oct 75

Observations on the life cycle of Carneophallus brevicaeca (Africa et Garcia 1935) comb. n. (Digenea: Microphallidae). Velasquez CC. **J Parasitol** 61(5):910–4, Oct 75

Growth dynamics and seasonal prevalence of Crepidostomum isostomum and Phyllodistomum pearsei in Aphredoderus sayanus. Elkins CA, et al. **J Wildl Dis** 12(2):208–14, Apr 76

Studies on the excystment of trematode metacercariae in vitro. Asanji MF, et al. **Z Parasitenkd** 47(2):151–63, 12 Sep 75

[A study of parasitic trematodes of Littorina saxatilis and their impact on this mollusc (author's transl)] Combescot-Lang C. **Ann Parasitol Hum Comp** 51(1):27–36, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

Deblock S. **Ann Parasitol Hum Comp** 50(5):579–89, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[New data on the postembryonal development of some members of Monogenoidea] Bykhovskiĭ BE, et al. **Parazitologiia** 9(3):209–19, May–Jun 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Studies on resistance in snails. 7. Evidence of interference with the defense reaction in Biomphalaria glabrata by trematode larvae. Lie KJ, et al. **J Parasitol** 62(4):608–15, Aug 76

ISOLATION & PURIFICATION

Penetration of vertebrate eyes by cercariae of Alaria marcianae. Lester RJ, et al. **Can J Public Health** 66(5):384–7, Sep–Oct 75

Cercaria anadarae sp. n. parasitizing a bivalve mollusc, Anadara brasiliana (Lamarck), from the northwest Gulf of Mexico. Wardle WJ. **J Parasitol** 61(6):1048–9, Dec 75

The helminth parasites of aquatic birds from Loch Leven, Kinross: the trematodes of Laridae. Fraser PG. **Proc R Soc Edinb [Biol]** 74:391–406, 1974

Parasymphylodora manteri n. sp., an adult trematode from a fresh-water pulmonate snail, Biomphalaria choanomphala choanomphala, from Lake Victoria, Uganda. Goodman JD, et al. **Trans Am Microsc Soc** 95(2):204–9, Apr 76

Metacercariae of Neascus rhinichthyi (Digenea: Strigeidae) from the blacknose dace in West Virginia. Tarter DC, et al. **Trans Am Microsc Soc** 95(2):237–40, Apr 76

[Observation in 2 Helicelles of the larval forms of Tanaisia (Tamerlania) zarudnyi (Skrjabin, 1924) Denton and Byrd, 1950] Ahmad AS, et al. **Ann Parasitol Hum Comp** 50(1):17–24, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Hepatic and gastric trematode infections of the Central African zebu] Graber M. **Rev Elev Med Vet Pays Trop** 28(3):311–4, 1975 (Eng. Abstr.) **(Fre)**

METABOLISM

Comparative studies on the lipid composition of some digenetic trematodes. Yusufi AN, et al. **Int J Parasitol** 6(1):5–8, Feb 76

Comparative histochemical observations on the lipids in the immature and mature stages of Cotylophoron cotylophorum Paramphistomatidae: Digenea. Parshad VR, et al. **J Helminthol** 50(1):11–5, Mar 76

Accumulation and excretion of neutral lipids in the metacercaria of Leucochloridiomorpha constantiae (Trematoda) maintained in vitro. Fried B, et al. **J Parasitol** 61(5):906–9, Oct 75

Aerobic glucose metabolism in the digestive gland of Littorina saxatilis rudis (Maton) and in the daughter sporocysts of Microphallus similis (Jäg.). McManus DP, et al. **Z Parasitenkd** 46(4):265–75, 16 Jul 75

Qualitative analysis of substances excreted by Isoparorchis hypselobagri (Trematoda) during aerobic in vitro culture. Nizami WA, et al. **Z Parasitenkd** 50(1):53–6, 27 Jul 76

Gas content of swim bladder of Wallago attu and oxygen consumption in Isoparorchis hypselobagri (Trematoda). Siddiqi AH, et al. **Z Parasitenkd** 47(4):263–8, 31 Oct 75

Protein metabolism in Isoparorchis hypselobagri. Srivastava M, et al. **Z Parasitenkd** 49(2):179–82, 30 Apr 76

MICROBIOLOGY

The occurrence of bacteria and mycoplasma like organisms in a monogenean parasite Diclidophora merlangi. Morris GP, et al. **Int J Parasitol** 5(5):495–8, Oct 75

[Endocellular pathogenic bacteria in the monogenean Euzetrema knoepffleri] Fournier A, et al. **C R Acad Sci [D] (Paris)** 281(23):1895–6, 15 Dec 75 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Experimental biological control of the eye fluke, Diplostomum spathaceum, by a protozoan hyperparasite, Nosema strigeoidae (Protozoa: Microsporida). Palmieri JR, et al. **J Parasitol** 62(2):325–6, Apr 76

[Effect of parasites on the system of adaptations to salinity in the mollusc, Hydrobia ulvae] Berger VIa. **Parazitologiia** 10(4):333–7, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

[Infestation of littoral molluscs of Dal'nie Zelentsy Bay by parthenitae of the eider parasite Microphallus pygmaeus (Levinsen, 1881) (Trematoda: Microphallidae)] Podlipaev SA. **Parazitologiia** 9(6):485–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Echinostome rediae: effect of pretreatment with cold on transplantation to uninfected snails. Dönges J, et al. **Exp Parasitol** 38(2):228–32, Oct 75

Studies on osmoregulation in three trematodes of Rana tigrina. Rao LN. **Indian J Exp Biol** 14(1):61–3, Jan 76

Spermatogenesis in a monogenean, Diclidophora merlangi. Halton DW, et al. **Int J Parasitol** 6(1):43–53, Feb 76

Tentative identification of cholesterol as a chemoattractant for metacercarial pairing in Leuochloridiomorpha constantiae (Trematoda). Fried B, et al. **J Parasitol** 62(2):326–7, Apr 76

Physiological strains of the strigeoid Trematode, Posthodiplostomum minimum (Trematoda: Diplostomatidae). Palmieri JR. **J Parasitol** 61(6):1107, Dec 75

Aspects of the life history of Cyclocoelum brasilianum Stossich 1902 (Trematoda: Cyclocoelidae). Taft SJ. **J Parasitol** 61(6):1041–3, Dec 75

The mode of hatching of the monogenean Entobdella soleae, a skin parasite of the common sole (Solea solea). Kearn GC. **Parasitology** 71(3):419–31, Dec 75

Hatching rhythms in three species of Diclidophora (Monogenea) with observations on host behaviour. MacDonald S. **Parasitology** 71(2):211–28, Oct 75

[Contribution to the study of Microphallidae Travassos 1920 (trematoda). XXXII. Microphallus breviatus n. sp., a species with an abbreviated evolutive cycle from a Mediterranean pond in the Languedoc] Deblock S, et al. **Acta Trop (Basel)** 32(4):317–26, 1975 (Eng. Abstr.) **(Fre)**

[Evolutive cycle of Paratimonia gobii, Prevot and Bartoli 1967 (trematoda–monorchiidea)] Maillard C. **Acta Trop (Basel)** 32(4):327–39, 1975 **(Fre)**

[The chronobiology of the cercaria of Ribeiroia marini (Faust and Hoffman, 1934) parasite of Biomphalaria glabrata: effect of the photoperiod on the rhythm of emergence] Théron A. **Acta Trop (Basel)** 32(4):309–16, 1975 (Eng. Abstr.) **(Fre)**

[The life cycle of Gorgoderina rochalimai Pereira and Cuocolo, 1940, a Digenea parasite of Bufo marinus in Guadeloupe] Jourdane J, et al. **Ann Parasitol Hum Comp** 50(4):439–45, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Distribution and biology of Apatemon annuligerum (V. Nordmann, 1832) Odening, 1970 (Trematoda, Strigeidida)] Luk'iantseva EN. **Parazitologiia** 10(4):374–6, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Diclidophora merlangi: sloughing and renewal of hematin cells. Halton DW. **Exp Parasitol** 40(1):41–7, Aug 76

The fine structure and histochemistry of the caecal epithelium of Calicotyle kröyeri (Monogenea: Monopisthocotylea). Halton DW, et al. **Int J Parasitol** 6(3):253–63, Jun 76

The ventral papillae of notocotylid trematodes. Beverley-Burton M, et al. **J Parasitol** 62(1):148–51, Feb 76

Ultrastructure of Pharyngostomoides procyonis Harkema 1942 (Diplostomatidae). I. Observations on the male reproductive system. Grant WC, et al. **J Parasitol** 62(1):39–49, Feb 76

Attachment and penetration of miracidia observed by scanning electron microscopy. Blankespoor HD, et al. **Science** 191(4224):291–3, 23 Jan 76

[The tegument of Euzetrema knoepffleri, endoparasitic Monogenean of an amphibian: ultrastructure and evolution during the life cycle (author's transl)] Fourneir A. **Ann Parasitol Hum Comp** 51(1):15–26, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Ultrastructure of the tegumnet of the slow-growing larva of Polystoma integerrimun (Frohlich 1798). Evolutionary significance] Dupouy MJ. **C R Acad Sci [D] (Paris)** 281(23):1847–50, 15 Dec 75 (Eng. Abstr.) **(Fre)**

TREMATODE INFECTIONS

[Acute course of paramphistomiasis in cattle and small ruminants] Erbolatov KM. **Veterinariia** (5):78–9, May 75 **(Rus)**

COMPLICATIONS

[Indigenous endomyocardial fibrosis observed in the course of distomatosis] Dallocchio M, et al. **Arch Mal Coeur** 68(3):329–32, Mar 75 (Eng. Abstr.) **(Fre)**

[Autochthonous distomatosis with pulmonary manifestations] Paris J, et al. **Lille Med** 20(8):678–81, Oct 75 **(Fre)**

DIAGNOSIS

[Human infestation with liver flukes] Ziegler K, et al. **Z Gesamte Inn Med** 30(9):344–6, May 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Chemotherapy for infection with worms and flukes. Part II. Flukes. **Drug Ther Bull** 13(18):69, 29 Aug 75

Anthelmintic activity of albendazole against liver flukes, tapeworms., lung and gastrointestinal roundworms Theodorides VJ, et al. **Experientia** 32(6):702–3, 15 Jun 76

[The problems of trematicide screening] Hübler D. **Pharmazie** 30(5):324–6, May 75 **(Ger)**

IMMUNOLOGY

Eosinophils and immune mechanisms: production of the lymphokine eosinophil stimulation promoter (ESP) in vitro by isolated intact granulomas. James SL, et al. **J Reticuloendothel Soc** 18(5):283–93, Nov 75

[Proceedings: Parasitic antigens implicated in the production of IgE antibody] Bout D, et al. **Ann Immunol (Paris)** 126(3):353, Apr 75 **(Fre)**

OCCURRENCE

Fasciolopsis buski in Bangladesh–a pilot study. Muttalib MA, et al. **J Trop Med Hyg** 78(6):135–7, Jun 75

Metacercariae of Neascus rhinichthyi (Digenea: Strigeidae) from the blacknose dace in West Virginia. Tarter DC, et al. **Trans Am Microsc Soc** 95(2):237–40, Apr 76

[New helminthiases in Laos. II. Plathelminths] Fontan R, et al. **Bull Soc Pathol Exot** 68(6):566–73, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

TRANSMISSION

[Letter: One case of intestinal distomatosis] Lamy C, et al. **Nouv Presse Med** 5(15):1005–6, 10 Apr 76 **(Fre)**

VETERINARY

Concurrent infection with Yersinia pseudotuberculosis and Platynosomum fastosum in a cat. O'Sullivan BM, et al. **Aust Vet J** 52(5):232–3, May 76

An outbreak of trematodiasis in domestic geese. Griffiths HJ, et al. **Avian Dis** 20(3):604–6, Jul–Sep 76

Migration, development, and condition of Trichobilharzia ocellata (Trematoda: Schistosomatidae) in homologous challenge infections. Ellis JC, et al. **Can J Zool** 53(12):1803–11, Dec 75

None on the biology of Hydrophitrema gigantica Sandars, 1960 (Trematoda: Hemiuridae) from the lung of sea snakes (Hydrophis cyanocinctus). Ko RC, et al. **Can J Zool** 53(8):1181–4, Aug 75

Redescription of Apharyngostrigea ramai (Verma, 1936). A Trematode of cattle egret. Mishra PN, et al. **Folia Parasitol (Praha)** 22(1):89–91, 1975

Diagnostic problems in connection with fish diseases caused by monogenoideans. pp. 173–4. Malmberg G. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.**

Pathomorphology of liver & bile duct of the heron, Bubulcus ibis Linn., infected with the trematode, Pegosomum egretti Srivastava, 1957. Kaushal BR, et al. **Indian J Exp Biol** 13(3):311–2, May 75

Quantitative studies of glycogen in Clinostomum complanatum (Rud. 1809) & Euclinostomum heterostomum (Rud. 1809) (Clinostomatidae: Trematoda) & a note on the correlation between the total glycogen & the habitat of worms. Ramanaiah BV, et al. **Indian J Exp Biol** 13(2):221–2, Mar 75

Nasitrema attenuata (Trematoda) infection of Tursiops truncatus and its potentialities as an aetiological agent of chronic pulmonary lesions. Kumar V, et al. **J Helminthol** 49(4):289–92, Dec 75

Pathological infection of thoroughbred horses with Gastrodiscus aegyptiacus. Azzie MA. **J S Afr Vet Assoc** 46(1):77–8, Mar 75

A trematode from the round window of an Atlantic Bottlenosed dolphin's ear. Daily MD, et al. **J Wildl Dis** 12(1):45–7, Jan 76

Growth dynamics and seasonal prevalence of Crepidostomum isostomum and Phyllodistomum pearsei in Aphredoderus sayanus. Elkins CA, et al. **J Wildl Dis** 12(2):208–14, Apr 76

Fascioloides magna (Bassi, 1875) in feral swine from southern Texas. Foreyt WJ, et al. **J Wildl Dis** 11(4):554–9, Oct 75

Evaluation of fecal technics for the diagnosis of cat liver fluke infection. Palumbo NE, et al. **Lab Anim Sci** 26(3):490–3, Jun 76

The efficacy of fenbendazole in the control of trematodes and cestodes. Duwel D, et al. **Vet Rec** 97(19):371, 8 Nov 75

Correspondence: Effect of liver fluke on wool production in Welsh mountain sheep. Edwards CM, et al. **Vet Rec** 98(18):372, 1 May 76

[The life cycle of Gorgoderina rochalimai Pereira and Cuocolo, 1940, a Digenea parasite of Bufo marinus in Guadeloupe] Jourdane J, et al. **Ann Parasitol Hum Comp** 50(4):439–45, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Gill repartition of two Monogenea: Diplectanum aequans (Wagener 1857), Diesing 1958 and D. laubieri Lambert and Maillard 1974 (Monogenea, Monopisthocotylea) simultaneous parasites of the sea bass Dicentrarchus labrax (author's transl)] Lambert A, et al. **Ann Parasitol Hum Comp** 50(6):691–9, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Hepatic and gastric trematode infections of the Central African zebu] Graber M. **Rev Elev Med Vet Pays Trop** 28(3):311–4, 1975 (Eng. Abstr.) **(Fre)**

[The efficacy of Dirian against Fasciola gigantica and paramphistomes in naturally infected cattle in Madagascar] Karrasch AW, et al. **Berl Munch Tieraerztl Wochenschr** 88(18):348–51, 15 Sep 75 (Eng. Abstr.) **(Ger)**

[Occurrence of Paratanaisia bragai (Santos, 1934) Freitas, 1959 (Trematoda aucotylidae) in domestic pigeons (Columbia livia domestica)] Portugal MA, et al. **Arq Inst Biol (Sao Paulo)** 39(3):189–94, 1972 (Eng. Abstr.)

(Por)

[Pathomorphological and histochemical changes in parafasciolopsosis of elk and deer] Dvorkin LB, et al. **Veterinariia** (5):81–2, May 75 (Rus)

[Chlorophos in controlling dactylogyriasis] Iashchuk VD. **Veterinariia** (9):74–5, Sep 74 (Rus)

[Bitifen in fascioliasis and paramphistomiasis] Mereminskii AI, et al. **Veterinariia** (7):57–8, Jul 75 (Rus)

[Economic effectiveness of measures in paramphistomiasis] Zharikov IS, et al. **Veterinariia** (2):58–60, Feb 76 (Rus)

TREMOR

Benign essential tremor in childhood: Symptoms, pathogenesis, treatment. Paulson GW. **Clin Pediatr (Phila)** 15(1):67–70, Jan 76

Infantile tremor syndrome. Ramakumar L, et al. **Indian J Pediatr** 42(331):215–25, Aug 75

Proceedings: Prolonged changes in physiological tremor, following a brief maximal voluntary contraction of human muscle. Furness P, et al. **J Physiol (Lond)** 258(2):72P–73P, Jun 76

A battery of tests for evaluating steadiness in clinical trials. Potvin AR, et al. **Med Biol Eng** 13(6):914–22, Nov 75

Essential (hereditary or senile) tremor. Sutherland JM, et al. **Med J Aust** 2(2):44–7, 12 Jul 75

Effect of cigarette smoking on postural muscle tremor. Maykoski KA, et al. **Nurs Res** 25(1):39–43, Jan–Feb 76

[Brain transections for the localization of tremorigenic brain regions in the rat] Westermann KH. **Acta Biol Med Ger** 34(3):399–407, 1975 (Eng. Abstr.) (Ger)

[Transfer characteristic of the motor system of the hand obtained by electrical stimulation and its bearing on force tremor (author's transl)] Zipp P. **Eur J Appl Physiol** 34(4):233–48, 5 Dec 75 (Eng. Abstr.) (Ger)

BLOOD

[Some biochemical blood serum parameters in PT rabbits] Wald I, et al. **Neuropatol Pol** 14(1):97–103, Jan–Mar 76 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

Subclinical psychomotor and neuromuscular changes in workers exposed to inorganic mercury. Miller JM, et al. **Am Ind Hyg Assoc J** 36(10):725–33, Oct 75

3-Acetylpyridine: a tool to inhibit the tremor and the increase of cGMP content in cerebellar cortex elicited by harmaline. Guidotti A, et al. **Brain Res** 96(1):201–5, 10 Oct 75

The importance of 5-hydroxytryptamine for the induction of harmine tremor and its antagonism by dopaminergic agonists assessed by lesions of the midbrain raphe nuclei. Costall B, et al. **Eur J Pharmacol** 35(1):109–19, Jan 76

Convulsive seizure induced by intracerebral injection of semicarbazide (an anti-vitamin B6) in the mouse. Yamashita J. **J Nutr Sci Vitaminol (Tokyo)** 22(1):1–6, 1976

Tremorine-oxotremorine-induced tremor, hypothermia and analgesia, and physostigmine toxicity, in mice after pretreatment with beta-adrenoceptor antagonists. Barar FS, et al. **J Pharm Pharmacol** 28(4):286–9, Apr 76

Nicotine induced tremor and antidiuresis and brain nicotine levels in the rat. Mansner R, et al. **Med Biol** 53(3):169–76, Jun 75

Letter: Shuddering attacks in children: essential tremor and monosodium glutamate. Andermann F, et al. **N Engl J Med** 295(3):174, 15 Jul 76

An intracerebral injection study on the role of striatal dopamine and 5-hydroxytryptamine in the production of tremor by harmine. Kelly DM, et al. **Neuropharmacology** 15(5):303–8, May 76

Monkeys with nigrostriatal lesions: tremor induced by harmaline and other drugs. Poirier LJ, et al. **Pharmacol Ther [B]** 2(1):105–122, 1976 (60 ref.)

Evaluation of skeletal muscle tremor due to bronchodilator agents. Thiringer G, et al. **Scand J Respir Dis** 56(2):93–102, Aug 75

[Indole alkaloids induction of tremors: effect on photosensible epilepsy in Papiopapio] Brailowsky S, et al. **C R Soc Biol (Paris)** 169(5):1190–3, 1975 (Eng. Abstr.) (Fre)

[Letter: Intentional and action tremor due to bismuth poisoning] Aimard G, et al. **Nouv Presse Med** 4(39):2816, 15 Nov 75 (Fre)

[Proceedings: Tremors as an adverse effect of lithium therapy] König L. **Act Nerv Super (Praha)** 17(4):272–4, 1975 (Ger)

[Tremorigenic effect of alpha, alpha - dipyridyl in the rat] Staib AH, et al. **Acta Biol Med Ger** 34(8):1433–35, 1975 (Ger)

[Tremor following intracerebral carbachol injection. I.Carbachol sensitivity of various brain structures] Westermann KH, et al. **Acta Biol Med Ger** 34(3):443–50, 1975 (Eng. Abstr.) (Ger)

COMPLICATIONS

Charcot-Marie-Tooth disease associated with 'essential tremor': Report of 7 cases and a review of the literature. Salisachs P. **J Neurol Sci** 28(1):17–40, May 76

The relationship between spasmodic torticollis and essential tremor. Couch JR. **Trans Am Neurol Assoc** 100:181–3, 1975

DIAGNOSIS

Validity of quantitative tests measuring tremor. Potvin AR, et al. **Am J Phys Med** 54(5):243–52, Oct 75

Pronounced tremors in newborn infants: Their meaning and prognostic significance. A long-term follow-up study of 30 such infants. Berger A, et al. **Clin Pediatr (Phila)** 14(9):834–5, Sep 75

Physiological and pharmacological aids in the differential diagnosis of tremor. Shahani BT, et al. **J Neurol Neurosurg Psychiatry** 39(8):772–83, Aug 76

Essential tremor: a common and treatable disorder. Davis DA, et al. **J Okla State Med Assoc** 69(2):35–7, Feb 76

The differential diagnosis of tremor in Parkinson's disease. Growdon JH, et al. **Trans Am Neurol Assoc** 100:197–9, 1975

[A method for the objective determination of tremors in the rat] Eichmann H, et al. **Acta Biol Med Ger** 34(3):419–25, 1975 (Eng. Abstr.) (Ger)

[Direct quantitative measurement of tremor: first results of a new mesuring procedure in patients under lithium therapy] Engel RR, et al. **Arzneim Forsch** 26(6):1126–8, 1976 (Eng. Abstr.) (Ger)

[Periodic structure of physiologic and pathologic tremor] Dubenko EG, et al. **Zh Nevropatol Psikhiatr** 76(7):966–72, 1976 (Eng. Abstr.) (Rus)

[Slow leg tremor] Silfverskiöld B. **Lakartidningen** 72(44):4285–90, 29 Oct 75 (Eng. Abstr.) (Swe)

DIET THERAPY

Copper supplementation in quaking mutant mice: reduced tremors and increased brain copper. Keen CL, et al. **Science** 193(4249):244–6, 16 Jul 76

DRUG THERAPY

Control of lithium tremor with propranolol. Lapierre YD. **Can Med Assoc J** 114(7):619–20, 624, 3Apr 76

Beta blockade in lithium tremor. Kellett JM, et al. **J Neurol Neurosurg Psychiatry** 38(7):719–21, Jul 75

Letter: Effect of propranolol on tremor of alcohol withdrawal. Zilm DH, et al. **N Engl J Med** 294(14):785, 1 Apr 76

Effect of propranolol on essential tremor. Teräväinen H, et al. **Neurology (Minneap)** 26(1):27–30, Jan 76

Essential tremor: treatment with propranolol. Tolosa ES, et al. **Neurology (Minneap)** 25(11):1041–4, Nov 75

Oxprenolol in senile tremor. Thompson MK. **Scott Med J** 20(6):291–2, Nov 75

[Effect of various amino acids and their antagonists on the cholinergic tremor and acetylcholine release in the CNS of the rat] Scherber A, et al. **Acta Biol Med Ger** 34(9):1517–24, 1975 (Eng. Abstr.) (Ger)

[Lithium tremor-combination treatment with beta receptor blockaders] König L. **Psychiatr Neurol Med Psychol (Leipz)** 27(12):720–4, Dec 75 (Eng. Abstr.) (Ger)

[Effect of Coretal Polfa (Oxprenolol) on parkinsonian tremor and benign essential tremor] Dowżenko A, et al. **Neurol Neurochir Pol** 10(1):49–53, Jan–Feb 76 (Eng. Abstr.) (Pol)

ETIOLOGY

Responses to the lowering of magnesium and calcium concentrations in the cerebrospinal fluid of unanesthetized sheep. Allsop TF, et al. **Aust J Biol Sci** 28(5–6):475–81, Dec 75

The nature of primary vocal tremor. Hachinski VC, et al. **Can J Neurol Sci** 2(3):195–7, Aug 75

[Development of resting and intention tremor during deep dives in a helium-oxygen atmosphere] Rostain JC, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(2):203–6, Apr–Jun 73 (Fre)

[Analysis of the causes of increased tremor in thyroid hyperfuction] Gaĭdina GA, et al. **Biull Eksp Biol Med** 79(6):27–30, Jun 75 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Essential tremor, nystagmus and duodenal ulceration. A 'new' dominantly inherited condition. Neuhäuser G, et al. **Clin Genet** 9(1):81–91, Jan 76

Non-hypertrophic familial neuropathy associated with intention tremor. A variety of Charcot-Marie-Tooth disease? Delwaide PJ, et al. **J Neurol Sci** 27(1):59–69, Jan 76

Auyana head nodders: essential heredo-familial tremor in the Eastern Highlands. Hornabrook RW, et al. **Papua New Guinea Med J** 18(4):214–9, Dec 75

[Heredofamilial tremors and sporadic 'essential' tremors in the child and adolescent] Schachter M. **Pediatrie** 30(4):401–11, Jun 75 (Fre)

[Experimental studies on a hereditary central nervous system disease in PT rabbits. V. Clinical syndrome in generations 1–10] Osetowska E, et al. **Neurol Neurochir Pol** 9(5):569–78, Sep–Oct 75 (Eng. Abstr.) (Pol)

METABOLISM

Serotonin content in the central nervous system of rats and cholinergic tremor. Oelszner W, et al. **Pol J Pharmacol Pharm** 27(Suppl):167–72, Oct 75

PATHOLOGY

[Neuronal calcification in PT rabbits as a function of age and the clinical course] Osetowska E, et al. **Neuropatol Pol** 14(1):85–95, Jan–Mar 76 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Proceedings: Rigidity and tremor induced in feline muscles deprived of their fusimotor control. Thulin CA, et al. **Acta Neurochir (Wien)** 31(3–4):267, 1975

Dystonia and tremor in spasmodic torticollis. Couch JR. **Adv Neurol** 14:245–58, 1976

Tremor and other oscillations in neuromuscular systems. Stein RB, et al. **Biol Cybern** 22(3):147–57, 1976

Central mechanisms of tremor in some feline and primate models. Lamarre Y, et al. **Can J Neurol Sci** 2(3):227–33, Aug 75

Correlation between the dischanges of two simultaneously recorded motor units and physiological tremor. Dietz V, et al. **Electroencephalogr Clin Neurophysiol** 40(1):97–105, Jan 76

Electromyographic recording of tremor. Reniers J, et al. **Electromyogr Clin Neurophysiol** 15(2):151–4, Apr–Jun 75

Asterixis – a disorder of the neural mechanisms underlying sustained muscle contraction. pp. 301–6. Shahani BT, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.**

A review of physiological and pharmacological studies of human tremor. pp. 307–13. Shahani BT, et al. **In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.** (13 ref.)

Frequency and displacement amplitude relations for normal hand tremor. Stiles RN. **J Appl Physiol** 40(1):44–54, Jan 76

A mechanical-reflex oscillator hypothesis for parkinsonian hand tremor. Stiles RN, et al. **J Appl Physiol** 40(6):990–8, Jun 76

Muscle spindle activity in alternating tremor of Parkinsonism and in clonus. Hagbarth KE, et al. **J Neurol Neurosurg Psychiatry** 38(7) :436–41, Jul 75

Parkinsonian akinesia, rigidity and tremor in the monkey. Histopathological and neuropharmacological study. Péchadre JC, et al. **J Neurol Sci** 28(2):147–57, Jun 76

Motor-unit activity responsible for 8- to 12-Hz component of human physiological finger tremor. Elble RJ, et al. **J Neurophysiol** 39(2):370–83, Mar 76

Beta-adrenergic mechanisms in action tremor. Young RR, et al. **N Engl J Med** 293(19):950–3, 6 Nov 75

Tremographic studies in tardive dyskinesia. Alpert M, et al. **Psychopharmacol Bull** 12(2):5–7, Apr 76

[Unitary EMG analysis of parkinsonian tremor at rest and in position] Rondot P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(1):121–4, Jan–Mar 71 (Fre)

[Tremor recording with the infraton-pulse taker] Finke J, et al. **Nervenarzt** 46(5):272–3, May 76 (Ger)

SURGERY

A statistic outline of the subthalamic target for the arrest of tremor. Velasco F, et al. **Appl Neurophysiol** 38(1):38–46, 1975

[Identification and lesion of prelemniscal radiation in the surgical treatment of tremor] Velasco F, et al. **Arch Invest Med (Mex)** 7(1):29–42, 1976 (Eng. Abstr.) (Spa)

THERAPY

Psychogenic tremor and asomatognosia. Fogel S. **Am J Clin Hypn** 19(1):57–61, Jul 76

VETERINARY

Neurochemistry of the spinal cord in congenital tremor of piglets (type AII), a spinal dysmyelimogenesis of infectious origin. Patterson DS, et al. **J Neurochem** 26(3):481–5, Mar 76

Letter: Experimental production of a staggers syndrome in ruminants by a tremorgenic Penicillium from soil. di Menna ME, et al. **NZ Vet J** 24(3):45–6, Mar 76

Evaluation of chromatin clumping and myelination of the spinal cord of pigs with congential tremor. Lamar CH, et al. **Vet Pathol** 12(1):1–5, 1975

Hexachlorophene toxicity in dogs. Ward BC. **Vet Pathol** 12(1):70, 1975

TREMORINE

METABOLISM

Inhibition of microsomal drug metabolism by 2-((2-(4-pyridyl)-methyl)-thio)-benzimidazole (H-718). Varga F, et al. **Acta Physiol Acad Sci Hung** 44(3–4):227–34, 1973

PHARMACODYNAMICS

Tremorine-oxotremorine-induced tremor, hypothermia and analgesia, and physostigmine toxicity, in mice after pretreatment with beta-adrenoceptor antagonists. Barar FS, et al. **J Pharm Pharmacol** 28(4):286–9, Apr 76

TRENCH MOUTH see **GINGIVITIS, NECROTIZING ULCERATIVE**

TRENGESTONE see under **PREGNATRIENES**

TRENIMON see **TRIAZIQUONE**

TREPHINING

[Noise level measurements of the air noise during drilling and grinding on the fresh isolated temporal bone (author's transl)] Paulsen K, et al. **Laryngol Rhinol Otol (Stuttg)** 54(10):824–34, Oct 75 (Eng. Abstr.) **(Ger)**

[Diagnostic trephining in closed cranio-cerebral trauma] Solopaev AA, et al. **Khirurgiia (Mosk)** (4):90–3, Apr 75 (Eng. Abstr.) **(Rus)**

[Treatment of inflammatory diseases of the frontal sinuses by the method of trephinopuncture and long-term drainage] Trushin AA. **Zh Ushn Nos Gorl Bolezn** (4):89–90, Jul–Aug 75 **(Rus)**

[Changes in the surgery of the maxillary sinus] Barceló Gomila F. **An Otorrinolaringol Ibero Am** 1(6):106–13, 1974 (Eng. Abstr.) **(Spa)**

HISTORY

A trephined skull from Iran. Mallin R, et al. **Bull NY Acad Med** 52(7):782–7, Sep 76

Trepanation among early Canadian Indians. Griffin JD. **Can Psychiatr Assoc J** 21(2):123–5, Mar 76

The problems of prehistoric and early historic cranial trepanations in Slavdom West (present territory of Czechoslovakia and Poland). Paluchi A. **Med Secoli** 12(2):257–67, May–Aug 75

[Test over the 'Hearing through the openings of the skull after trepanation' in the General Hospital in Hamburg in the year of 1835] Rodegra H. **Laryngol Rhinol Otol (Stuttg)** 55(8):617–25, Aug 76 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A new corneal trephine. Lieberman DM. **Am J Ophthalmol** 81(5):684–5, May 76

Trephining of tissue samples. King HK. **Aust Vet J** 52(4):187–8, Apr 76

Thoracolumbar hemilaminectomy in the dog using a power skull trephine (a photo essay). David T. **Vet Med Small Anim Clin** 71(4):477–9, Apr 76

[A new type of trephine (screw trephine) (author's transl)] Egerer I. **Klin Monatsbl Augenheilkd** 167(6):907–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Investigations on the shape and size of bone-chips produced during boring and grinding (author's transl)] Paulsen K. **Laryngol Rhinol Otol (Stuttg)** 54(10):835–40, Oct 75 (Eng. Abstr.) **(Ger)**

[Instrument for trephine puncture of the frontal sinus] Shevrygin BV, et al. **Vestn Otorinolaringol** (5):84–5, Sept–Oct 75 **(Rus)**

METHODS

Trephine sections for cataract surgery. Kapoor S. **Acta Ophthalmol (Kbh)** 54(3):320–4, Jul 76

[Experiences with trepano-trabeculectomy (goniotrepanation) (author's transl)] Gliem H, et al. **Klin Monatsbl Augenheilkd** 166(5):598–601, May 75 (Eng. Abstr.) **(Ger)**

[Surgical treatment of chronic subdural hematoma using 5 cm skull trephine (author's transl)] Hashiba T, et al. **Neurol Surg (Tokyo)** 3(8):631–7, Aug 75 **(Jpn)**

[New technics in the surgery of paranasal sinuses] Chiossone Lares E, et al. **An Otorrinolaringol Ibero Am** 1(2):111–25, 1974 (Eng. Abstr.) **(Spa)**

[Aproach to the internal acoustic duct by the translabyrinth route] Salvá J, et al. **An Otorrinolaringol Ibero Am** 1(2):76–93, 1974 (Eng. Abstr.) **(Spa)**

TREPONEMA

ANALYSIS

Treponeme outer envelope: chemical analysis. Wachter MS, et al. **Proc Soc Exp Biol Med** 151(1):97–100, Jan 76

CLASSIFICATION

Classification of non-pathogenic treponemes, Borrelia and Spirochaeta. pp. 121–31. Smibert RM. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (24 ref.)

DRUG EFFECTS

In vitro susceptibility of Treponema hyodysenteriae to carbadox, virginiamycin, and tylosin. Williams BJ, et al. **Vet Med Small Anim Clin** 71(7):957–9, Jul 76

GROWTH & DEVELOPMENT

Cultivation, composition and physiology of avirulent treponemes. pp. 49–56. Smibert RM. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (16 ref.)

ISOLATION & PURIFICATION

The isolation of a treponema hyodysenteriae-like organism associated with swine dysentery in Norway. Liven E, et al. **Acta Vet Scand** 16(2):324–6, 1975

Selective medium for isolation of Treponema hyodysenteriae. Songer JG, et al. **J Clin Microbiol** 4(1):57–60, Jul 76

PATHOGENICITY

Pathogenic treponemes. pp. 107–19. Hardy PH Jr. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.**

The etiology of swine dysentery. I. Oral inoculation of germ-free swine with Treponema hyodysenteriae and Vibrio coli. Meyer RC, et al. **Vet Pathol** 11(6):515–26, 1974

ULTRASTRUCTURE

Ultrastructure of cells of Treponema pertenue obtained from experimentally infected hamsters. Hovind-Hougen K, et al. **Acta Pathol Microbiol Scand [B]** 84(2):101–8, Apr 76

Determination by means of electron microscopy of morphological criteria of value for classification of some spirochetes, in particular treponemes. Hovind-Hougen K. **Acta Pathol Microbiol Scand [Suppl]** (255):1–41, 1976

Treponema and Borrelia morphology. pp. 7–18. Hovind-Hougen K. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.**

TREPONEMA IMMOBILIZATION TEST

Letter: Specific immobilization of the treponeme--a phenomenon known long ago but sunk into oblivion and rediscovered? Pospíšil L. **Br J Vener Dis** 52(1):65, Feb 76

[Kinetics of immune immobilization of Treponema pallidum (Nichols strain) (author's transl)] Müller F. **Immun Infekt** 2(4):194–200, Oct 74 (Eng. Abstr.) **(Ger)**

STANDARDS

[Studies on the efficiency of the TPIL test in comparison to the FTA absorption test and the TIP standard test (author's transl)] Borkhardt HL. **Z Immunitaetsforsch** 146(4):292–9, Feb 74 (Eng. Abstr.) **(Ger)**

TREPONEMA PALLIDUM

[Electron microscopic study of experimental syphilitic reinduration: On the findings of Treponemas in the nerve fibres (author's transl)] Yanagihara M. **Jpn J Dermatol** 86(1):21–4, 1976 **(Jpn)**

[Treponemacidal properties of blood serum of healthy persons] Vasil'ev TV, et al. **Vestn Dermatol Venerol** (1):54–8, Jan 74 (Eng. Abstr.) **(Rus)**

ANALYSIS

Chemical studies on the cell walls of Leptorspira biflexa strain Urawa and Treponema pallidum strain Reiter. Azuma I, et al. **Jpn J Microbiol** 19(1):45–51, Feb 75

CYTOLOGY

Letter: Stripping technique as an aid in dark-field diagnosis of syphilis. Soltani K. **Arch Dermatol** 112(4):558, Apr 76

DRUG EFFECTS

Effects of oxygen and nitrogen on the character of T. pallidum is subcutaneous chambers in mice. Horvath I, et al. **Br J Vener Dis** 51(5):301–4, Oct 75

Effect of spectinomycin on T. pallidum in incubating experimental syphilis. Petzoldt D. **Br J Vener Dis** 51(5):305–6, Oct 75

Relative efficacy of clindamycin, erythromycin, and penicillin in treatment of Treponema pallidum in skin syphilomas of rabbits. Brause BD, et al. **J Infect Dis** 134(1):93–6, Jul 76

[Electron microscopy studies on the masking effect of rolitetracycline (reverin) during experimental syphilis] Wrzolkowa T, et al. **Dermatol Monatsschr** 161(4):318–23, Apr 75 (Eng. Abstr.) **(Ger)**

[Isolation of pathogenic Nichols's treponema strains with altered sensitivity to penicillin by means of in vivo experiments in rabbits] Zając W. **Przegl Dermatol** 62(4):497–503, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Growth and subculture of pathogenic T. pallidum (Nichols strain) in BHK-21 cultured tissue cells. Jones RH, et al. **Br J Vener Dis** 52(1):18–23, Feb 76

Investigations on in vitro survival and virulence of T. pallidum under aerobiosis. Rathlev T. **Br J Vener Dis** 51(5):296–300, Oct 75

Tissue culture and Treponema pallidum. pp. 57–64. Fitzgerald TJ, et al. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (12 ref.)

Retention of motility of Treponema pallidum (Nichols virulent strain) in an anaerobic cell culture system and in a cell-free system. Sandok PL, et al. **J Clin Microbiol** 3(1):72–4, Jan 76

IMMUNOLOGY

Studies on the Treponema pallidum immobilizing activity in normal human serum. 2. Serum factors participating in the normal immobilization reaction. Hederstedt B. **Acta Pathol Microbiol Scand [C]** 84(2):135–41, Apr 76

Studies on the Treponema pallidum immobilizing activity in normal human serum. 3. The kinetics of immobilization reaction of normal and immune sera. Hederstedt B. **Acta Pathol Microbiol Scand [C]** 84(2):142–7, Apr 76

Studies on the Treponema pallidum immobilizing activity in normal human serum. 4. The importance for the outcome of the conventional TPI-Test. Hederstedt B. **Acta Pathol Microbiol Scand [C]** 84(2):148–52, Apr 76

Treponemal antigens in congenital and acquired syphilitic nephritis: demonstration by immunofluorescence studies. O'Regan S, et al. **Ann Intern Med** 85(3):325–7, Sep 76

A comparison between sorbent and Reiter sonicate in the absorbed fluorescent treponemal antibody test. Wilkinson AE, et al. **Ann NY Acad Sci** 254:395–9, 30 Jun 75

Experimental syphilis vaccines in rabbits. I. Differential protection with an adjuvant spectrum. Jones AM, et al. **Br J Vener Dis** 52(1):9–17, Feb 76

False positive FTA-ABS results in patients with genital herpes. Wright JT, et al. **Br J Vener Dis** 51(5):329–30, Oct 75

Changes in intra-vascular complement and anti-treponemal antibody titres preceding the Jarisch-Herxheimer reaction in secondary syphilis. Fulford KW, et al. **Clin Exp Immunol** 24(3):483–91, Jun 76

IgG subclasses of fluorescent treponemal antibodies: correlation with complement fixation and clinical stage. Puritz EM, et al. **Clin Immunol Immunopathol** 4(3):352–61, Sep 75

Effect of pretreatment with Mycobacterium bovis (strain BCG) and immune syphilitic serum on rabbit resistance to Treponema pallidum. Graves SR, et al. **Infect Immun** 12(5):1029–36, Nov 75

Depression of lymphocyte response to concanavalin A in rabbits infected with Treponema pallidum (Nichols strain). Pavia CS, et al. **Infect Immun** 14(1):320–2, Jul 76

Effect macrophage activation on infection with Treponema pallidum. Schell R, et al. **Infect Immun** 12(3):505–11, Sep 75

Cellular and humoral immune response to guinea pig infected with Treponema pallidum. Wicher K, et al. **Int Arch Allergy Appl Immunol** 51(3):284–97, 1976

A more complete evaluation of the color-coded antigen for the automated reagin test. Lambert NG, et al. **J Clin Microbiol** 1(4):390, Apr 75

Letter: FTA-ABS test. **JAMA** 235(14):1424, 5 Apr 76

[Significance of incomplete antibodies for the serodiagnosis of lues. 1. Causes of the inagglutinability of fresh isolated Treponema pallidum] Borkhardt HL. **Dermatol Monatsschr** 162(3):238–42, Mar 76 (Eng. Abstr.) **(Ger)**

[Use of the direct FTA-ABS test in early syphilis patients] Krell L, et al. **Dermatol Wochenschr** 161(9):722–8, Sep 75 **(Ger)**

[Treponema-pallidum antigen preservation possibilities for the fluorescence serodiagnosis of syphilis] Borkhardt HL, et al. **Z Gesamte Hyg** 21(3):227–32, Mar 75 (Eng. Abstr.) **(Ger)**

[Use of automatized treponemic (TPHA) and cardiolipinic (ART) test in the serologic screening of syphilis] Fadda G, et al. **Ann Sclavo** 17(2):209–14, Mar–Apr 75 **(Ita)**

[Clinical significances of antitreponemal antibodies with special reference to change of TPHA titer by treatment (author's transl)] Mizuoka K. **Jpn J Clin Pathol** 24(3):171–81, Mar 76 **(Jpn)**

[The TPHA test. Methods] Manikowska-Lesińska W, et al. **Przegl Dermatol** 62(5):663–9, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Use of ultrasound-treated Treponema antigen for complement fixation test as a sorbent in the immunofluorescence reaction with absorption in syphilis] Bednova VN, et al. **Vestn Dermatol Venerol** (10):53–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Use of antigens from cultured, preserved and lyophilized pathogenic treponema pallidum in the immunofluorescence reaction in syphilis] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** (9):37–40, Sep 75 **(Rus)**

[Our experiences with the FTA-ABS test in serological diagnosis of syphilis] Malenković M, et al. **Med Pregl** 29(5–6):247–51, 1976 (Eng. Abstr.) **(Ser)**

[Fluorescence Treponema antibody test in the serological diagnosis of syphilis] Malenković M. **Med Pregl** 29(5–6):243–6, 1976 (Eng. Abstr.) **(Ser)**

ISOLATION & PURIFICATION

New source for positive controls used for the identification of spirochaetes in tissue sections. Elias JM, et al. **Stain Technol** 51(1):55–7, Jan 76

METABOLISM

Carbon sources utilized by virulent Treponema pallidum. Nichols JC, et al. **Infect Immun** 12(5):1044–50, Nov 75

PATHOGENICITY

Virulent Treponema pallidum: aerobe or anaerobe. Baseman JB, et al. **Infect Immun** 13(3):704–11, Mar 76

Retention of motility and virulence of Treponema pallidum (Nichols strain) in vitro. Graves SR, et al. **Infect Immun** 12(5):1116–20, Nov 75

[Survival and humoral response of mice infected with Treponema pallidum (author's transl)] Salussola D, et al.

Pathol Biol (Paris) 24(4):245–9, Apr 76 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Treponema pallidum in lesions of early syphilis. Kozakliewicz J, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):63–4, 1976

Demonstration of extracellular material at the surface of pathogenic T. pallidum cells. Zeigler JA, et al. **Br J Vener Dis** 52(1):1–8, Feb 76

[Studies of the ultrastructure of the Treponema strain Nichols] Cherepova N, et al. **Acta Microbiol Virol Immunol (Sofiia)** 2:48–51, 1975 (Eng. Abstr.) **(Bul)**

TREPONEMAL INFECTIONS

Periodontal disease and the treponemes. pp. 261–75. Loesche WJ. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (59 ref.)

DIAGNOSIS

Laboratory diagnosis of treponematoses (with emphasis on syphilis). pp. 201–8. Balows A, et al. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.**

ETIOLOGY

The pathogenesis of syphilis and the related treponematoses. pp. 249–59. Knox JM, et al. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.**

HISTORY

An introduction to diagnostic criteria of syphilis, treponarid and yaws (treponematoses) in dry bones, and some implications. Hackett CJ. **Virchows Arch [Pathol Anat]** 368(3):229–41, 30 Oct 75

IMMUNOLOGY

Cellular and humoral immune response to guinea pig infected with Treponema pallidum. Wicher K, et al. **Int Arch Allergy Appl Immunol** 51(3):284–97, 1976

MICROBIOLOGY

Intestinal treponematoses. pp. 277–93. Harris DL, et al. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (61 ref.)

OCCURRENCE

Epidemiology of syphilis and the non-venereal treponematoses. pp. 157–76. Blount JH, et al. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.** (23 ref.)

PREVENTION & CONTROL

Endemic syphilis, yaws, and pinta. pp. 365–73. Cutler JC. **In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.**

VETERINARY

Scanning electron microscopy of the lesions of swine dysentery. Kennedy GA, et al. **Am J Vet Res** 37(4):395–401, Apr 76

Recent discoveries regarding swine dysentery. Harris DL, et al. **Folia Vet Lat** 5(3):433–50, Jul–Sep 75 (48 ref.)

Swine dysentery. Pearce HG, et al. **NZ Vet J** 23(8):183–4, Aug 75

Acute, clinical effect of swine dysentery on heavy and light pigs. Messersmith RE, et al. **Vet Med Small Anim Clin** 71(2):213–5, Feb 76

Further studies on the effect of ipronidazole on swine dysentery. Messersmith RE, et al. **Vet Med Small Anim Clin** 71(3):343–9, Mar 76

TREPONEMATACEAE see under **SPIROCHAETALES**

TRETINOIN see under **VITAMIN A**

TRI-ALLATE see under **THIOCARBAMATES**

TRIACETIN see under **TRIGLYCERIDES**

TRIACETONEAMINE-N-OXYL see under **CYCLIC N-OXIDES**

TRIACETYLOLEANDOMYCIN

ADVERSE EFFECTS

[Is triacetyl oleandomycin–ergotamine tartrate combination dangerous?] Bigorie B, et al. **Nouv Presse Med** 4(38):2723–5, 8 Nov 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[Macrolid antibiotics and adrenalin-induced hyperglycemia] Hugues FC, et al. **Therapie** 30(3):455–7, May–Jun 75 **(Fre)**

THERAPEUTIC USE

Triacetyloleandomycin in streptococcal throat infections. A reappraisal of an older antibiotic. Gururaj VJ, et al. **Clin Pediatr (Phila)** 15(2):184–87, FEB 76

TRIAGE see under **EMERGENCY HEALTH SERVICES**

TRIALKYLTIN COMPOUNDS

Triethyltin sulfate–induced neuropathy in rats. Electrophysiologic, morphologic, and biochemical studies. Graham DI, et al. **Arch Neurol** 33(1):40–8, Jan 76

Application of tributyltin chloride to the separation and column chromatography of thiols. Wroński M. **J Chromatogr** 117(1):47–52, 4 Feb 76

Alterations in behavior, brain electrical activity, cerebral blood flow, and intracranial pressure produced by triethyl tin sulfate induced cerebral edema. Marshall LF, et al. **Stroke** 7(1):21–5, Jan–Feb 76

ADVERSE EFFECTS

Toxic skin reactions caused by tributyltin oxide (tbto) in socks. Molin L, et al. **Berufsdermatosen** 23(4):138–42, Aug 75

METABOLISM

Biodegradation of tricyclohexyltin hydroxide. Blair EH. **Environ Qual Saf [Suppl]** 3:406–9, 1975

The binding of triethyltin to rat brain myelin. Lock EA, et al. **J Neurochem** 25(6):871–6, Dec 75

The action of triethyltin on the respiration of rat brain cortex slices. Lock EA. **J Neurochem** 26(5):887–92, May 76

PHARMACODYNAMICS

The action of tributyltin on energy coupling in coupling-factor-deficient submitochondrial particles. Dawson AP, et al. **Biochem J** 29(2):333–9, Nov 74

The influence of adenine nucleotides and oxidizable substrates on triethyltin–mediated chloride uptake by rat liver mitochondria in potassium chloride media. Skilleter DN. **Biochem J** 154(2):271–6, 15 Feb 76

Increase in cerebral fluids in rats after treatment with hexachlorophane or triethyltin. Lock EA. **Biochem Pharmacol** 25(13):1455–8, 1 Jul 76

[Electroencephalographic study on experimental brain edema induced by triethyltinsulfate (author's transl)] Benedek G, et al. **Arzneim Forsch** 26(3):335–40, 1976 (Eng. Abstr.) **(Ger)**

POISONING

Core formation in the muscles of rats intoxicated with triethyltin sulfate. Graham DI, et al. **J Neuropathol Exp Neurol** 35(1):1–13, Jan 76

Cholesterol biosynthesis by rat brain in triethyl tin intoxication. Owsianowski M. **Neuropatol Pol** 13(3–4):433–40, Jul–Dec 75

On the protective influence of cerebrolysine against the effects of tet intoxication at an early stage of extrauterine life. Wender M, et al. **Neuropatol Pol** 13(3–4):441–6, Jul–Dec 75

Activity of sRNA-amino acyl synthetases in TET–induced brain oedema. Wender M, et al. **Neuropatol Pol** 13(3–4):415–21, Jul–Dec 75

Cholesteryl esters and nonesterified fatty acids of rat brain in triethyl tin induced edema. Wender M, et al. **Neuropatol Pol** 14(2):217–29, Apr–Jun 76

TOXICITY

The neurotoxic effects of triethyltin (TET) sulfate on myelinating cultures of mouse spinal cord. Graham DI, et al. **J Neuropathol Exp Neurol** 34(5):401–12, Sep 75

TRIAMCINOLONE

Triamcinolone–induced systemic infections in female mice. Berdicevsky I, et al. **J Pathol** 119(1):57–63, May 76

ADMINISTRATION & DOSAGE

Cushing's syndrome associated with the intradermal injection of triamcinolone diacetate. Langston JR, et al. **J Oral Surg** 34(9):846–9, Sep 76

[Alternating steroid treatment in pemphigus and pemphigoid] Szilágyi I, et al. **Z Hautkr** 51(14):587–94, 15 Jul 76 **(Ger)**

[100 cases of lumbago and sciatic syndromes treated with peridural cortisone] Porsia F, et al. **Minerva Med** 66(62):3231–2, 22 Sep 75 **(Ita)**

[Treatment of keloids and some skin diseases with topical injections of triamcinolone] Bowszyc J. **Pol Tyg Lek** 31(26):1111–3, 28 Jun 76 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

A double–blind comparative study between amcinonide and betamethasone valerate in the treatment of eczematoid conditions. Rocha GL, et al. **Curr Ther Res** 19(5):538–49, May 76

METABOLISM

Human liver glucocorticoid receptors are similar to those in rat liver. Agarwal MK. **Naturwissenschaften** 63(1):50, Jan 76

PHARMACODYNAMICS

Effect of pretreatment with local corticosteroids on antibody-forming cells in the eye and draining lymph nodes. Hall JM, et al. **Can J Ophthalmol** 10(4):487–93, Oct 75

Hormonal regulation of incorporation of alanine–U–14C into glucose in human fetal liver explants. Effect of dibutyryl cyclic AMP, glucagon, insulin, and triamcinolone. Schwartz AL, et al. **Diabetes** 24(7):650–7, Jul 75

Hormonal control of renal phosphoenolpyruvate carboxykinase activity during development of the rat. Hauser CA, et al. **Enzyme** 21(2):115–26, 1976

The influence of thyroid function on the diabetogenic action of triamcinolone in man. Glucose, insulin and growth hormone patterns after on oral glucose load. Zamrazil V, et al. **Horm Metab Res** 8(4):282–6, Jul 76

Effects of anti–inflammatory steroids on mouse embryonic movements during palatal development. Walker BE, et al. **J Dent Res** 54(6):1200–6, Nov–Dec 75

Anti–inflammatory steroids and collagen metabolism: glucocorticoid–mediated alterations of prolyl hydroxylase activity and collagen synthesis. Cutroneo KR, et al. **Mol Pharmacol** 11(5):632–9, Sep 75

Effects of intralesional injection of triamcinolone on glucose–6–phosphate dehydrogenase and alanine aminotransferase activity in keloids. Im MJ, et al. **Plast Reconstr Surg** 56(6):660–3, Dec 75

Hormonal effects on structure and catalytic properties of fructose 1,6–bisphosphatase. Pontremoli S, et al. **Proc Natl Acad Sci USA** 72(8):2969–73, Aug 75

[Effect of choline chloride and calcium pantothenate on neuromuscular pathology caused by the administration of triamcinolone] Nezhentsev MV. **Farmakol Toksikol** 38(2):159–61, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Indications for the use of Triamcinolone in control of wound healing. pp. 461–76. Ketchum LD, et al. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 161u 1973.**

The influence of corticosteroids and topical indomethacin on sunburn erythema. Kaidbey KH, et al. **J Invest Dermatol** 66(3):153–6, Mar 76

A second look at injection of vesical neck contractures with triamcinolone. Bannow JE, et al. **J Urol** 116(1):39–40, Jul 76

Cyanoacrylate as an adhesive for other medicaments: a study with triamcinalone on the healing of experimental oral ulcers. Sonis S, et al. **Pharmacol Ther Dent** :147–56, 1975

[Effect of a mixture of triamcinolone and Savlon on subcutaneous reaction after administration of dentin particles on the experimental morphological picture] Kvasnička J, et al. **Cesk Stomatol** 75(6):421–31, Dec 75 (Eng. Abstr.) **(Cze)**

[Treatment of lumbar disk herniation with depot cortisone intrathecally and peridurally (author's transl)] Kneissel H. **Med Klin** 71(37):1506–7, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[Study of the stimulating effect of RNA and triamcinolone on the process of reverse development of experimental liver cirrhosis] Prutovykh NN, et al. **Patol Fiziol Eksp Ter** (2):64–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Treatment of severe forms of myasthenia with prednisolone and triamcinolone] Gekht VM, et al. **Zh Nevropatol Psikhiatr** 75(6):815–9, 1975 (Eng. Abstr.) **(Rus)**

TRIAMCINOLONE ACETONIDE

Aqueous solubility of 14C–triamcinolone acetonide. Behl CR, et al. **J Pharm Sci** 65(3):429–30, Mar 76

Letter: Failure of steroid instillation to prevent capsular contracture after augmentation mammaplasty. Price RI. **Plast Reconstr Surg** 57(3):371, Mar 76

ADMINISTRATION & DOSAGE

Long–term intramuscular administration of triamcinolone acetonide. Effect on the hypothalamic–pituitary–adrenal axis. Carson TE, et al. **Arch Dermatol** 3(12):1585–7, Dec 75

Letter: Intradermal triamcinolone acetonide treatment of psoriatic nail dystrophy with Port–o–Jet. Bleeker JJ. **Br J Dermatol** 92(4):479, Apr 75

The treatment of psoriatic nail dystrophy with intradermal steroid injections. Peachey RD, et al. **Br J Dermatol** 95(1):75–8, Jul 76

Granuloma annulare and necrobiosis lipoidica treated by jet injector. Sparrow G, et al. **Br J Dermatol** 93(1):85–9, Jul 75

The place of intralesional steroid therapy in dermatology. Verbov J. **Br J Dermatol** 94 suppl 12:51–8, Mar 76

A short–term double–blind trial of aerosol triamcinolone acetonide in steroid–dependent patients with severe asthma. Kriz RJ, et al. **Chest** 69(4):455–60, Apr 76

Treatment of asthma with triamcinolone acetonide aerosol. Williams MH Jr. **Chest** 68(6):765–8, Dec 75

[Treatment of postoperative Corbin's beak using repeated local triamcinolone acetonide injections] Mahe E, et al. **Ann Chir Plast** 20(1):79–86, 1975 (Eng. Abstr.) **(Fre)**

[Triamcinolone acetonide in ungual psoriasis] Camacho Martínez F, et al. **Actas Dermosifiliogr** 67(1–2):49–54, Jan–Feb 76 **(Spa)**

ADVERSE EFFECTS

Cushing syndrome from percutaneous absorption of triamcinolone cream. May P, et al. **Arch Intern Med** 136(5):612–3, May 76

Dysfunction of sarcoplasmic reticulum in rabbit and human steroid myopathy. Shoji S, et al. **Exp Neurol** 51(2):304–9, May 76

Letter: Familial localized panatrophy: an iatrogenic phenocopy secondary to injection of a corticosteroid. Krueger GG, et al. **J Pediatr** 89(4):682-3, Oct 76

ANALOGS & DERIVATIVES

The treatment of psoriatic nail dystrophy with intradermal steroid injections. Peachey RD, et al. **Br J Dermatol** 95(1):75–8, Jul 76

Stabilizing effect of inorganic phosphate salts on antibiotic–steroid ophthalmic preparations. McGinity JW, et al. **J Pharm Sci** 64(9):1528–30, Sep 75

[Testing of a triamcinolone acetonide derivative in various dermatosis] Gasca JM, et al. **Actas Dermosifiliogr** 66(7–8):387–94, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

High pressure liquid chromatographic analysis for triamcinolone acetonide in rice starch. Higgins JW. **J Chromatogr** 115(1):232–5, 10 Dec 75

ANTAGONISTS & INHIBITORS

Vitamin A prevention of triamcinolone acetonide effects on granuloma growth: lack of effect on prolyl hydroxylase. Wehr RF, et al. **Proc Soc Exp Biol Med** 152(3):411–4, Jul 76

DIAGNOSTIC USE

Influence of local triamcinolone acetonide on patch test reactions to nickel sulfate. Smeenk G. **Dermatologica** 150(2):116–21, 1975

METABOLISM

Percutaneous absorption of 14C–9alpha–fluoro–11beta,21–dihydroxy–3,20–dioxopregn (17alpha,16alpha–d)–2'–methyloxazolidine–21–acetate (L 6400) in rats, pigs and humans. Comparison with 3H–triamcinolone acetonide. Lewis JD, et al. **Arzneim Forsch** 25(10):1646–50, Oct 75

Partial purification of the glucocorticoid receptor from rat liver: a rapid, two–step procedure using DNA–cellulose. Eisen HJ, et al. **Biochem Biophys Res Commun** 70(2):367–72, 17 May 76

Identification of a glucocorticoid–sensitive histone protein from mouse fibroblast nuclei. Wong MD, et al. **Biochem Biophys Res Commun** 71( ):265–71, 12 Jul 76

Transformation of glucocorticoid–receptor complex from rat thymocytes and its accumulation in chromatin in a cell–free system. Andreasen PA. **Biochim Biophys Acta** 428(3):792–807, 28 May 76

The involvement of receptro sulphydryl groups in the binding of steroids to the cytoplasmic glucocorticoid receptor from rat thymus. Rees AM, et al. **Biochim Biophys Acta** 411(1):121–32, 10 Nov 75

The dependence of specific nuclear binding of glucocorticoids by rat thymus cells on cellular ATP levels. Sloman JC, et al. **Biochim Biophys Acta** 428(2):403–13, 23 Apr 76

Partial purification of the activated glucocorticord receptor of rat liver. Climent F, et al. **FEBS Lett** 66(2):317–21, 15 Jul 76

Mechanism and kinetics of the thermal activation of glucocorticoid hormone receptor complex. Atger M, et al. **J Biol Chem** 251(15):4758–62, 10 Aug 76

Evidence for a phospholipid requirement in the specific binding of glucocorticoids to receptors of fibroblasts and thymic lymphocytes. Schulte HF, et al. **J Biol Chem** 251(8):2279–89, 25 Apr 76

Effect of salt on reversibility of glucocorticoid receptor binding. Krieger NS, et al. **J Steroid Biochem** 7(5):395–9, May 76

Binding of natural and synthetic glucocorticoids in rat brain. Stevens W, et al. **J Steroid Biochem** 6(3–4):521–7, Mar–Apr 75

Glucocorticoid receptors and lymphocytolysis in normal and neoplastic lymphocytes. Turnell RW, et al. **Mol Cell Biochem** 9(3):175–89, 31 Dec 75

Partial purification of the activated hepatic glucocorticoid – receptor complex. Colman PD, et al. **Mol Cell Endocrinol** 5(1–2):33–40, Jun–Jul 76

PHARMACODYNAMICS

Glucocorticoids and the regulation of phosphoenolpyruvate carboxykinase (guanosine triphosphate) in the rat. Gunn JM, et al. **Biochem J** 150(2):195–203, Aug 75

Effect of triamcinolone administration on content of flavins in rabbit liver. Shoji S, et al. **Biochim Biophys Acta** 428(3):707–10, 28 May 76

Acute tolerance to effects of topical glucocorticosteroids. Vivier AD, et al. **Br J Dermatol** 94 suppl 12:25–32, Mar 76

Objective measurement of topically applied corticosteroids. Király K, et al. **Dermatologica** 152 Suppl 1:133–7, 1976

Muscle and liver protein metabolism in rats treated with glucocorticoids. Millward DJ, et al. **Proc Nutr Soc** 35(1):47A, May 76

Effects of triamcinolone and of desoxycorticosterone on renal function in sheep. Gans JH. **Proc Soc Exp Biol Med** 150(1):244–8, Oct 75

[Depigmentizing effect of a glucocorticoid applied topically to black giunea pig skin] Arnold J, et al. **C R Soc Biol (Paris)** 169(1):262–4, 1975 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Reversal of intractable uremic pericarditis by triamcinolone hexacetonide. Fuller TJ, et al. **Arch Intern Med** 136(9):979–82, Sep 76

Comparative study of triamcinolone acetonide and hydrocortisone 17–butyrate in rosacea with special regard to the rebound phenomenon. Go MJ, et al. **Dermatologica** 152 Suppl 1:239–46, 1976

Clinical experiences with hydrocortisone 17–butyrate. Yasuda T. **Dermatologica** 152 Suppl 1:221–9, 1976

Ainhum: treatment with intralesional steroids. Rossiter JW, et al. **Int J Dermatol** 15(5):379–82, Jun 76

Triamcinolone acetonide aerosols for asthma. I. Effective replacement of systemic corticosteroid therapy. Falliers CJ. **J Allergy Clin Immunol** 57(1):1–11, Jan 76

Triamcinolone acetonide injection for laryngeal stenosis. Rosen G, et al. **J Laryngol Otol** 89(10):1043–6, Oct 75

Local steroid treatment of intractable ascites in dialysis patients. Buselmeier TJ, et al. **Proc Clin Dial Transplant Forum** 5:9–11, Nov 75

Intra–articular triamcinolone hexacetonide and osmic acid in persistent synovitis of the knee. Anttinen J, et al. **Scand J Rheumatol** 4(3):125–8, 1975

Response of synovial immunocytes to intra–articular agents in experimental arthritis. Isomäki AM, et al. **Scand J Rheumatol** 4(3):129–33, 1975

[Injections of triamcinolone acetonide in the treatment of parrot beak] Mahé E, et al. **Ann Otolaryngol Chir Cervicofac** 91(12):695–703, Dec 74 (Eng. Abstr.) **(Fre)**

[The indication area of triamcinolone acetonide 40 mg in dermatologic practice. Report of 12000 cases] Bleckmann FG. **Med Welt** 27(31):1473–4, 30 Jul 76 **(Ger)**

[Administration of Kenalog in long–term treatment of asthma and chronic bronchitis] Ajewski Z, et al. **Pneumonol Pol** 44(4):321–4, 1976 (Eng. Abstr.) **(Pol)**

[Kenalog in the treatment of asthma] Ciszek J, et al. **Pneumonol Pol** 44(4):313–20, 1976 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of triamcinolone and paramethasone in the treatment of chronic asthma] Wąsek Z, et al. **Pneumonol Pol** 44(1):49–53, 1976 **(Pol)**

[Studies on the use of Intal and Kenalog 40 in patients with bronchial asthma (author's transl)] Szulczyńska K, et al. **Przegl Lek** 33(4):482–7, 1976 (Eng. Abstr.) **(Pol)**

TRIAMTERENE

ADVERSE EFFECTS

Letter: Dyazide and hyperkalemia. Petersen AG. **Ann Intern Med** 84(5):612–3, May 76

[Acute pancytopenia and medullary megaloblastosis in a cirrhotic patient treated with triamterene] Renoux M, et al. **Nouv Presse Med** 5(10):641–2, 6 Mar 76 **(Fre)**

METABOLISM

Metabolism of triamterene in the rat. Kau ST, et al. **Drug Metab Dispos** 3(5):345–51, Sep–Oct 75

PHARMACODYNAMICS

Effect of triamterene on leucocyte sodium and potassium levels in heart disease. Donaldson EK, et al. **Br Med J** 1(6020):1254–5, 22 May 76

On the mechanism of action of triamterene: effects on transport of Na+, K+, and H+/HCO3– –ions. Knauf H, et al. **Eur J Clin Invest** 6(1):43–50, 30 Jan 76

[Exploration of the sodium pump of the erythrocyte by 22 Na and 42 K. II Effect of triamterene] Bernard JC, et al. **C R Soc Biol (Paris)** 169(6):1543–5, 1975 (Eng. Abstr.) **(Fre)**

[Animal experiments on the effect of triamterene and amiloride on heart and circulation and the toxicity of digoxin (author's transl)] Greeff K, et al. **Arzneim Forsch** 25(11):1766–9, Nov 75 (Eng. Abstr.) **(Ger)**

[Inhibition of the exchange of Na+ for K+ and and H+ by triamterene (in epithelia)(author's transl)] Knauf H, et al. **Arzneim Forsch** 26(4):484–6, Apr 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Triamterene–induced changes in aldosterone and renin values in essential hypertension. Evidence of a role for aldosterone in preventing blood pressure reduction. Keim HJ, et al. **Arch Intern Med** 136(6):645–8, Jun 76

Paradoxical reversal of the suppressed potassium secretion during treatment with combinations of antikaluretic agents (spironolactone, canrenone, triamterene, amiloride); a possible site of action in Henle's loop. Radó JP, et al. **Horm Metab Res** 8(3):250–1, May 76

[The potassium–neutral venodiuretic drug Dehydro sanol tri. Report on the experiences with a new principle for the treatment of leg disorders of venous origin] Oesterheld G. **Med Welt** 26(37):1679–82, 12 Sep 75 **(Ger)**

TRIATOMA see under **TRIATOMINAE**

TRIATOMINAE

A simple method of tracking mammals and locating triatomine vectors of Trypanosoma cruzi in Amazonian forest. Miles MA. **Am J Trop Med Hyg** 25(5):671–4, Sep 76

Letter: Car vacuum cleaner for bug capture. Costa CH, et al. **Lancet** 2(7933):509, 13 Sep 75

Letter: Apparent absence of a sex attractant in adult Triatoma infestans (Klug), vector of Chagas' disease. Schofield CJ, et al. **Trans R Soc Trop Med Hyg** 70(2):165–6, 1976

[Silvan vectors and reservoirs of Trypanosoma cruzi. LIX. Geografic distribution of Triatominae in the Rio Grande hydrographic basin, Brazil (Hemiptera, Reduviidae)] Barreto MP, et al. **Rev Bras Biol** 35(1):21–30, 1975 (Eng. Abstr.) **(Por)**

[A Peruvian strain of Trypanosoma rangeli. III. Observations on the experimental infection of Panstrongylus herreri Wygodzinsky, 1948] Cuba AC. **Rev Inst Med Trop Sao Paulo** 17(4):211–7, Jul–Aug 75 (Eng. Abstr.) **(Por)**

[Peruvian strain of Trypanosoma rangeli. IV. Observations on its development and morphogenesis in the hemocele and salivary glands of Rhodnius ecuadoriensis] Cuba CA. **Rev Inst Med Trop Sao Paulo** 17(5):283–97, Sep–Oct 75 (Eng. Abstr.) **(Por)**

[Comparison between 2 serologic technics applied to the study of blood sucked by Triatominae] de Andrade JC, et al. **Rev Saude Publica** 9(4):539–45, Dec 75 (Eng. Abstr.) **(Por)**

[On the finding of Panstrongylus megistus in the Cambe province of the Parana State, Brazil] de Castro Gomes A, et al. **Rev Saude Publica** 10(1):117–9, Mar 76 (Eng. Abstr.) **(Por)**

ANALYSIS

Feulgen–DNA values and ploidy degrees in the malpighian tubes of some triatomids. Mello ML. **Rev Bras Pesqui Med Biol** 8(2):101–7, Mar–Apr 75

DRUG EFFECTS

Two actions of juvenile hormone on the follicle cells of Rhodnius prolixus Stal. Abu–Hakima R, et al. **Can J Zool** 53(8):1187–8, Aug 75

The Rhodnius testis: hormonal effects on germ cell division. Dumser JB, et al. **Can J Zool** 53(11):1682–9, Nov 75

Ecdysterone–induced mortality and inhibition of feeding in diapausing Rhodnius prolixus Stal. Mansingh A. **Experientia** 32(8):1065–7, 15 Aug 76

Further studies on potencies of nucleotides as gorging stimuli during feeding in Rhodnius prolixus. Smith JJ, et al. **J Insect Physiol** 22(4):607–11, 1976

ENZYMOLOGY

Lipoprotein lipase in the fat body of Triatoma brasiliensis. Ribeiro LP, et al. **Arch Int Physiol Biochim** 84(1):1–13, Feb 76

Occurrence of lipoprotein lipase in the fat–body of Triatoma maculata. Ribeiro LP, et al. **Comp Biochem Physiol [B]** 52(4):523–4, 15 Dec 75

Proceedings: A new fibrinolytic enzyme: the prolixase. Physicochemical and biological properties. Hamouda MB, et al. **Thromb Diath Haemorrh** 34(1):320, 30 Sep 75

GROWTH & DEVELOPMENT

Improved rearing of symbiont–free and infected Rhodnius prolixus using rabbit–ear warmers and simple microbiological isolators. Hill P, et al. **Lab Pract** 24(11):746–7, Nov 75

[Wild reservoirs and vectors of cruzi. LX. Attempts to cross Rhodnius prolixus Stal, 1859 and Rhodnius neglectus Lent, 1954 (Hemiptera, Reduviidae)] Carvalheiro J, et al. **Rev Inst Med Trop Sao Paulo** 18(1):17–23, Jan–Feb 76 (Eng. Abstr.) **(Por)**

[Ecological aspects of South American trypanosomiasis. VII. Permanence and mobility of Triatoma sordida in relation to artificial ecotopes] Forattini OP, et al. **Rev Saude Publica** 9(4):467–76, Dec 75 (Eng. Abstr.) **(Por)**

METABOLISM

Degradation of serum proteins in Triatoma infestans. Perassi R, et al. **Exp Parasitol** 40(1):1–4, Aug 76

Incorporation of lipid into the epicuticle of Rhodnius (Hemiptera). Wigglesworth VB. **J Cell Sci** 19(3):459–85, Dec 75

Induction of transport of organic anions in Malpighian tubules of Rhodnius. Maddrell SH, et al. **J Exp Biol** 63(3):755–61, Dec 75

The role of adenosine 3':5'–cyclic monophosphate in relation to the diuretic hormone of Rhodnius prolixus. Aston RJ.

J Insect Physiol 21(11):1873–7, Nov 75

Trypanosoma cruzi: effects of Rhodnius prolixus extracts on in vitro development. Wood DE, et al. **Rev Inst Med Trop Sao Paulo** 18(2):93–6, Mar–Apr 76

PARASITOLOGY

Inheritance of susceptibility of Trypanosoma cruzi infection in Rhodnius prolixus. Maudlin I. **Nature** 262(5565):214–5, 15 JUL 76

A comparison of Rhodnius prolixus, Triatoma infestans and Panstrongylus megistus in the xenodiagnosis of a chronic Trypanosoma (schizotrypanum) cruzi infection in a rhesus monkey (Macaca mullatta). Miles MA, et al. **Trans R Soc Trop Med Hyg** 69(4):377–82, 1975

Proceedings: Limited survival of Trypanosoma (Schizotrypanum) dionisii in Rhodnius prolixus. Wilkins SR, et al. **Trans R Soc Trop Med Hyg** 69(4):433, 1975

PHYSIOLOGY

The Rhodnius testis: hormones, differentiation of the germ cells, and duration of the molting cycle. Dumser JB, et al. **Can J Zool** 53(11):1673–81, Nov 75

Expanding abdominal cuticle in the bug Rhodnius and the tick Boophilus. Hackman RH. **J Insect Physiol** 21(9):1613–23, Sep 75

Tolerance of Peromyscus to the feeding of Triatoma (Hemiptera: Reduviidae). Wood SF. **J Med Entomol** 12(1):139–41, 30 Apr 75

Proceedings: Role of the morphogenetic hormones ecdysone and juvenile hormone in insect spermatogenesis. Dumser JB. **J Reprod Fertil** 46(2):500, Mar 76

[Endocrine control of oogenesis during the fifth nymphal stage of Panstrongylus megistus (Hemiptera, Heteroptera: Reduviidae)] Furtado A. **C R Acad Sci [D] (Paris)** 282(6):561–4, 9 Feb 76 (Eng. Abstr.) **(Fre)**

[Biology of Triatoma braziliensis. II. Observations on its autogeny] Paranhos Perondini AL, et al. **Rev Saude Publica** 9(3):363–70, Sep 75 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Distribution of lipid in the lamellate endocuticle of Rhodnius prolixus (Hemiptera). Wigglesworth VB. **J Cell Sci** 19(3):439–57, Dec 75

Lipid staining for the electron microscope: a new method. Wigglesworth VB. **J Cell Sci** 19(3):425–37, Dec 75

TRIAZENES

Drug-mediated immunogenic changes of virus-induced leukemia in vivo. Houchens DP, et al. **Cancer Res** 36(4):1347–52, Apr 76

Immunologic cross-reactivity of antigen(s) induced by drug treatment in two leukemic sublines. Nicolin A, et al. **J Immunol** 116(5):1347–9, May 76

ADMINISTRATION & DOSAGE

[Treatment of malignant melanomas. Trial of D.T.I.C. by intra-arterial infusion] Banzet P, et al. **Nouv Presse Med** 4(20):1477–80, 17 May 75 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Description of a case of acute neurological toxicity after DTIC–adriamycin–vincristine therapy (author's transl)] Rosso R, et al. **Tumori** 61(3):313–4, May–Jun 75 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

[Antineoplastic agents on a 1-phenyl-3,3-dimethyltriazene base. I. Introduction] Matrka M, et al. **Cesk Farm** 24(6):262–6, Jul 75 **(Cze)**

HISTORY

History and development of DTIC (NSC–45388). Schepartz SA. **Cancer Treat Rep** 60(2):123–4, Feb 76

METABOLISM

Stochastic compartmental modeling of the disposition of 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide (NSC–45388). McInnis B, et al. **Cancer Chemother Rep** 59(4):843–5, Jul–Aug 75

Microsomal metabolism of triazenylimidazoles. Hill DL. **Cancer Res** 35(11 Pt 1):3106–10, Nov 75

Interaction of the carcinogen 3,3-dimethyl-1-phenyltriazene with nucleic acids of various rat tissues and the effect of a protein-free diet. Kleihues P, et al. **Cancer Res** 36(7 PT 1):2189–93, Jul 76

Proceedings: Chemical mechanisms and biotransformations involved in triazene mutagenesis. Kolar GF. **Mutat Res** 29(2):236–7, Aug 75

PHARMACODYNAMICS

Effects of 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide and its metabolites on Novikoff hepatoma cells. Beal DD, et al. **Cancer Res** 36(8):2827–31, Aug 76

Immunosensitivity and histocompatibility antigens in drug-altered leukemic cells. Nicolin A, et al. **Cancer Res** 36(1):222–7, Jan 76

Studies on the mechanism of action of DTIC (NSC–45388). Bono VH Jr. **Cancer Treat Rep** 60(2):141–8, Feb 76

Mechanism of action and pharmacology studies with DTIC (NSC–45388). Loo TL, et al. **Cancer Treat Rep** 60(2):149–52, Feb 76

Attempt to alter antigenic structure of normal tissues by treatment with dimethyl-triazeno-imidazole-carboxamide in vivo. Nicolin A, et al. **Experientia** 32(6):741–2, 15 Jun 76

Increased immunogenicity of two lymphoma lines after drug treatment of athymic (nude) mice. Campanile F, et al. **J Natl Cancer Inst** 55(1):207–9, Jul 75

Antigenic changes of L5178Y lymphoma after treatment with 5-(3,3-dimethyl-1-triazeno) imidazole-4 carboxamide in vivo. Nicolin A, et al. **J Natl Cancer Inst** 56(1):89–93, Jan 76

Response of selected fetal organs to antineoplastic agents. Chaube S, et al. **Life Sci** 19(1):77–83, 1 Jul 76

Rat and mouse tissue-mediated mutagenicity of ring-substituted 3,3-dimethyl-1-phenyltriazenes in Salmonella typhimurium. Malaveille C, et al. **Mutat Res** 36(1):1–10, Jul 76

Cellular and biochemical aspects of growth retardation in rat fetuses induced by maternal administration of selected anticancer agents. Chaube S, et al. **Teratology** 12(3):259–70, Dec 75

[Phytotoxic activity of triazene derivatives. VI. 1-aryl-3-arylalkyl-3-alkyltriazene derivatives] Mazza M, et al. **Farmaco [Sci]** 31(5):345–8, May 76 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Letter: Disseminated intravascular coagulation syndrome with metastatic melanoma: Remission after treatment with 5-(3,3-dimethyl-1-triazeno) imidazole-4-carboxamide (DTIC). Susens GP, et al. **Ann Intern Med** 84(2):175–6, Feb 76

Tumour inhibitory triazenes: structural requirements for an active metabolite. Connors TA, et al. **Biochem Pharmacol** 25(3):241–6, 1 Feb 76

Proceedings: Uptake of sulphonamides by animal tumours and the anti-tumour properties of triazenes derived from them. Abel G. **Br J Cancer** 32(2):246, Aug 75

Proceedings: Tumour inhibitory triazenes. Wilman DE. **Br J Cancer** 32(2):246, Aug 75

Results of a randomized study comparing DTIC with TIC mustard in malignant melanoma. Costanza ME, et al. **Cancer** 37(4):1654–9, Apr 76

Treatment of grade III and IV astrocytoma with dimethyl triazeno imidazole carboxamide (DTIC, NSC–45388) alone and in combination with CCNU (NSC–79037) or methyl CCNU (MeCCNU, NSC–95441). Taylor SG, et al. **Cancer** 36(4):1269–76, Oct 75

Use of combination adriamycin (NSC–123127) and DTIC (NSC–45388) in children with advanced stage IV neuroblastoma. Leikin S, et al. **Cancer Chemother Rep** 59(5):1015–8, Sep–Oct 75

Chemotherapy of a human malignant melanoma transplanted in the nude mouse. Povlsen CO, et al. **Cancer Res** 35(10):2790–6, Oct 75

Combination chemotherapy with DTIC (NSC–45388) in advanced malignant melanoma, soft tissue sarcomas, and Hodgkin's disease. Beretta G, et al. **Cancer Treat Rep** 60(2):205–11, Feb 76

Eastern Cooperative Oncology Group studies with DTIC (NSC–45388). Carbone PP, et al. **Cancer Treat Rep** 60(2):193–8, Feb 76

DTIC (NSC–45388) in malignant melanoma: a perspective. Comis RL. **Cancer Treat Rep** 60(2):165–76, Feb 76 (121 ref.)

DTIC (NSC–45388) studies in the southwest oncology group. Costanzi JJ. **Cancer Treat Rep** 60(2):189–92, Feb 76

Role of DTIC (NSC–45388) in the chemotherapy of sarcomas. Gottlieb JA, et al. **Cancer Treat Rep** 60(2):199–203, Feb 76

Bacillus Calmette-Guérin immunotherapy in combination with DTIC (NSC–45388) for the treatment of malignant melanoma. Gutterman JU, et al. **Cancer Treat Rep** 60(2):177–82, Feb 76

Phase I evaluation of DTIC (NSC–45388) and other studies in malignant melanoma in the Central Oncology Group. Johnson RO, et al. **Cancer Treat Rep** 60(2):183–7, Feb 76

Experimental studies at Southern Research Institute with DTIC (NSC–45388). Montgomery JA. **Cancer Treat Rep** 60(2):125–34, Feb 76

Clinical studies with DTIC (NSC–45388) in various malignancies. Slavik M. **Cancer Treat Rep** 60(2):213–4, Feb 76

Antitumor activity of DTIC (NSC–45388) in animals. Venditti JM. **Cancer Treat Rep** 60(2):135–40, Feb 76

Clinical comparison of adriamycin and a combination of methyl-CCNU and imidazole carboxamide in disseminated malignant melanoma. Ahmann DL, et al. **Clin Pharmacol Ther** 19(6):821–4, Jun 76

Sarcoma chemotherapy. pp. 445–54. Gottlieb JA, et al. **In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.** (13 ref.)

Chemoimmunotherapy for regional and disseminated malignant melanoma. pp. 455–82. Gutterman JU, et al. **In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c.** (34 ref.)

Dacarbazine. Carter SK. **Int J Dermatol** 15(1):59–61, Jan–Feb 76

Combination chemotherapy with adramycin (NSC–123127) and dimethyl triazeno imidazole carboxamide (DTIC) (NSC–45388) in children with metastatic sold tumors. Cangir A, et al. **Med Pediatr Oncol** 2(2):183–90, 1976

A clinical trial of procarbazine plus vincristine plus bis-chloroethyl-nitrosourea plus imidazole carboxamide dimethyl triazeno in metastatic malignant melanoma. Van Dyk JJ, et al. **Med Pediatr Oncol** 1(2):107–11, 1975

Letter: Chemoimmunotherapy of malignant melanoma. **N Engl J Med** 292(3):159–60, 16 Jan 75

Letter: Chemoimmunotherapy of malignant melanoma. **N Engl J Med** 292(3):159–60, 16 Jan 75

Combination chemotherapy in disseminated melanoma and other solid tumors in adults. Gerner RE, et al. **Oncology** 31(1):22–30, 1975

[Local and metastatic growth of Lewis lung carcinoma as a function of its transplantation site. Application to the study of the pharmacology of sulphadiazine triazene] Carpentier Y. **C R Soc Biol (Paris)** 169(4):1021–8, 1975 (Eng. Abstr.) **(Fre)**

[Treatment of metastasising melanoma with a combination of cytostatic agents (author's transl)] Kleeberg UR, et al. **Dtsch Med Wochenschr** 101(23):890–4, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Dimethyl-triazeno-imidazol-carboxamide (DTIC)—a new cytostatic agent] Klepp O. **Tidsskr Nor Laegeforen** 95(27):1550–1, 30 Sep 75 **(Nor)**

TOXICITY

Letter: DTIC (NSC–45388) toxicity. Moore GE, et al. **Cancer Treat Rep** 60(3):219, Mar 76

Reproduction and teratology studies with oncolytic agents in the rat and rabbit. II. 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide (DTIC). Thompson DJ, et al. **Toxicol Appl Pharmacol** 33(2):281–90, Aug 75

URINE

Urinary metabolites of 3,3-dimethyl-1-phenyltriazene. Kolar GF, et al. **Chem Biol Interact** 14(3–4):301–11, Aug 76

TRIAZINES

Water-soluble sulfonated chromogenic reagents of the ferroin type and determination of iron and copper in water, blood serum, and beer with the tetraammonium salt of 2,4-bis(5,6-diphenyl-1,2,4-triazin-3-yl)pyridinetetrasulfon acid. Traister GL, et al. **Anal Chem** 48(8):1216–20, Jul 76

Melamine smoke as a carrier for pesticides. Owen BD. **Environ Qual Saf [Suppl]** 3:742–3, 1975

Binding of small molecules to Sephadex G-10 as a model surface. Correlations with extrathermodynamic parameters. Draber W. **Experientia** suppl 23:241–7, 1976

Kinetics and mechanisms of conversion of methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate (benomyl) to 3-butyl-2,4-dioxo(1,2-a)-s-triazinobenzimidazole (STB) and 1-(2-benzimidazolyl)-3-n-butylurea (BBU). Calmon JP, et al. **J Agric Food Chem** 24(2):314–7, Mar–Apr 76

Correlation analysis. Its application to the structure-activity relationship of triazines inhibiting dihydrofolate reductase. Silipo C, et al. **J Am Chem Soc** 97(23):6849–61, 12 Nov 75

A new trace ferrous metal detection reagent. Goldman GL, et al. **J Forensic Sci** 21(3):625–8, Jul 76

Complexation in formulation of parenteral solutions: solubilization of the cytotoxic agent hexamethylmelamine by complexation with gentisic acid species. Kreilgård B, et al. **J Pharm Sci** 64(11):1850–5, Nov 75

The use of an optical brightener in the study of plant structure. Hughes J, et al. **Stain Technol** 50(5):319–29, Sep 75

[Structure modification of analgesic drugs by s-triazine (author's transl)] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 308(11):877–81, Nov 75 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Proceedings: A method for the micro-injection into mammalian muscle fibres of procion brilliant red H3BN. Harris JB, et al. **Br J Pharmacol** 55(2):306P–307P, Oct 75

ADVERSE EFFECTS

Gastro-intestinal bleeding in patients with rheumatoid arthritis: the effects of azapropazone treatment. Mintz G, et al. **Curr Med Res Opin** 4(1):89–93, 1976

ANALYSIS

Studies on the application of integrated gas chromatography–mass spectrometry in drug purity control. Impurities in clofibrate, norethindrone, methandienone, haloperidol and meladrazine. Diding E, et al. **Acta Pharm Suec** 13(1):55–64, 1976

[High pressure liquid-liquid chromatography: correlation between retention times and biological activity of 1,3,5-triazine derivatives] Vitali T, et al. **Farmaco [Sci]** 31(1):58–65, Jan 76 (Eng. Abstr.) **(Ita)**

[Effect of the material components of the apparatus on the quality of a propazine solution for injections] Selezneev NG, et al. **Farmatsiia** 24(5):65–6, Sep–Oct 75 **(Rus)**

[Method of determining the amount of melamine in the urine and blood] Kechek IuA, et al. **Gig Tr Prof Zabol** (6):55–7, Jun 75 **(Rus)**

BLOOD

The determination of azapropazone in blood plasma. Leach H. **Curr Med Res Opin** 4(1):35–43, 1976

CHEMICAL SYNTHESIS

A convenient synthesis of toxoflavins, toxoflavin 4–oxides and 1–demethyltoxoflavins. Yoneda F, et al. **Chem Pharm Bull (Tokyo)** 23(9):2001–9, Sep 75

A new synthesis of pyrimido(4,5–e)–as–triazine 4–oxides by nitrosative cyclization of aldehyde uracil–6–ylhydrazones in the presence of diethyl azodiformate. Yoneda F, et al. **J Chem Soc [Perkin I]** (7):713–5, 1976

Antimalarials. 3. 1,2,4–Triazines. March LC, et al. **J Med Chem** 19(6):845–8, Jun 76

Synthesis and antimicrobial activity of some novel heterocycles. Azolo–as–triazines. Novinson T, et al. **J Med Chem** 19(4):517–20, Apr 76

Synthesis of the pyrimido [5,4–e]–as–triazine antibiotics fervenulin and 2–methylfevenulone. Taylor EC, et al. **J Org Chem** 40(16):2321–29, 8 Aug 75

Synthesis of isofervenulin and 2–methylisofervenulone. Taylor EC, et al. **J Org Chem** 40(16):2329–32, 8 Aug 75

Conversion of biguanides into substituted s–triazines assayable by GC or mass fragmentography. Alkalay D, et al. **J Pharm Sci** 65(4):525–9, Apr 76

[Diuretics on the basis of N–substituted 2,4–diamino–s–triazines by cyclisation of biguanides (author's transl)] Kreutzberger A. **Arzneim Forsch** 25(12):1860–2, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

Metabolism of 2–(3–chloro–4(4–chlorobenzoyl)–phenyl)–as–triazine–3,5(2 by the chicken. Rash JJ, et al. **Drug Metab Dispos** 4(1):59–64, Jan–Feb 76

PHARMACODYNAMICS

Proceedings: Extracellular and intracellular effects on procion brilliant red H3BN on mammalian muscle fibres. Harris JB, et al. **Br J Pharmacol** 55(2):281P–282P, Oct 75

Elevation of dihydrofolate reductase, thymidylate synthetase, and thymidine kinase in cultured mammalian cells after exposure to folate antagonists. Chello PL, et al. **Cancer Res** 36(7 PT 1):2442–9, Jul 76

Inhibition of DNA synthesis in normal and malignant human cells by triazinate (Baker's antifol) and methotrexate. Skeel RT, et al. **Cancer Res** 36(10):3659–64, Oct 76

The pharmacology and pharmacokinetics of azapropazone – a review. Jones CJ. **Curr Med Res Opin** 4(1):3–16, 1976 (29 ref.)

Effect of fructose administration on serum urate levels in the uricase inhibited rat. Stavric B, et al. **Experientia** 32(3):373–4, 15 Mar 76

Experimental modification of photocarcinogenesis. I. Fluorescent whitening agents and short–wave UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):335–7, Jun 75

Experimental modification of photocarcinogenesis. II. Fluorescent whitening agents and simulated solar UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):339–42, Jun 75

Experimental modification of photocarcinogenesis. III. Simulation of exposure to sunlight and fluorescent whitening agents. Forbies PD, et al. **Food Cosmet Toxicol** 13(3):343–5, Jun 75

Inhibition of prostaglandin potentiated formalin induced arthritis with non–steroid antiphlogistics. Szántó L, et al. **Int J Clin Pharmacol Biopharm** 13(2):113–9, Mar 76

[Disinfecting effectiveness of chlorcyanurates in vitro (author's transl)] Měrka V. **Cesk Epidemiol Mikrobiol Imunol** 24(3):148–54, May 75 **(Cze)**

[The potentiating effects of azathioprine and azapropazone on the enzyme activity in experimental inflammation] Stojan B. **Z Rheumatol** 35(1–2):18–23, Jan–Feb 76 (Eng. Abstr.) **(Ger)**

[Pharmacological studies of triazine derivatives. III. Analgesic and anti–inflammatory actions of 2–(benzylidenehydrazino)–4–tertbutyl–6–piperazino–s–tria (TR–35) (author's transl)] Tobe A, et al. **J Pharm Soc Jpn** 96(4):503–10, Apr 76 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of triazine derivatives. I. General pharmacological actions (author's transl)] Tobe A. **J Pharm Soc Jpn** 96(2):223–31, Feb 76 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of triazine derivatives. II. Psychotropic actions of 2–amino–4–substituted–6–trifluoromethyl–s–triazine derivatives (author's transl)] Tobe A, et al. **J Pharm Soc Jpn** 96(3):370–80, Mar 76 (Eng. Abstr.) **(Jpn)**

[Effect of dihydroxymethylfuratrizine (Panfurans) on human intestinal flora] Nakatani R, et al. **Jpn J Bacteriol** 30(1):113, Jan 75 **(Jpn)**

[Tuberculocidal activity of lithium hydrochloride, the potassium salt of dichlorisocyanuric acid and sulfochloranthine] Vashkov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):138–9, Apr 75 **(Rus)**

[Reduction of virulence by dichloroisocyanuric acid sodium salt and detergent compositions on its base with reference to enteroviruses] Shirobokov VP, et al. **Mikrobiol Zh** 37(2):205–11, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

THERAPEUTIC USE

Hexamethylmelamine. An evaluation of its role in the therapy of cancer. Legha SS, et al. **Cancer** 38(1):27–35, Jul 76

Toxicity and antitumor activity of hexamethylmelamine and its N–demethylated metabolites in mice with transplantable tumors. Lake LM, et al. **Cancer Res** 35(10):2858–63, Oct 75

Clinical and pharmacological evaluation of triazinate in humans. Skeel RT, et al. **Cancer Res** 36(1):48–54, Jan 76

Preliminary report on the use of CCNU (NSC–79037), adriamycin (NSC–123127), and hexamethylmelamine (NSC–13875) in carcinoma of the lung. Wilson WL, et al. **Cancer Treat Rep** 60(3):269–71, Mar 76

Azapropazone – its place in the management of rheumatoid conditions. Brooks PM, et al. **Curr Med Res Opin** 4(1):94–100, 1976 (55 ref.)

An assessment of the therapeutic potential of azapropazone in rheumatoid arthritis. Brooks PM, et al. **Curr Med Res Opin** 4(1):50–6, 1976

Prolonged treatment with azapropazone. Eberl R. **Curr Med Res Opin** 4(1):76–9, 1976

Clinical assessment of azapropazone in rheumatoid arthritis. Grennan DM, et al. **Curr Med Res Opin** 4(1):44–9, 1976

A comparative trial of azapropazone and ketoprofen in the treatment of acute backache. Hingorani K, et al. **Curr Med Res Opin** 3(6):407–12, 1975

A comparative study of azapropazone and ibuprofen in the treatment of osteoarthrosis of the knee. Hingorani K. **Curr Med Res Opin** 4(1):57–64, 1976

A comparative pilot study of azapropazone and indomethacin in the treatment of psoriatic arthritis and Reiter's disease. Lassus A. **Curr Med Res Opin** 4(1):65–9, 1976

Long–term use of azapropazone in rheumatoid conditions. Thune S. **Curr Med Res Opin** 4(1):80–8, 1976

A comparative study of azapropazone and indomethacin in the treatment of rheumatoid arthritis. Thune S. **Curr Med Res Opin** 4(1):70–5, 1976

Combination chemotherapy with CCNU (NSC–79037),hexamethylmelamine (NSC–13875) and methotrexate (NSC–740) in advanced bronchogenic carcinoma. DiBella NJ, et al. **Oncology** 32(2):82–5, 1975

A phase III study in lung carcinoma comparing hexamethyl–melamine (NSC 13875) to dibromodulcitol (NSC 104800) 1,2. Wilson WL, et al. **Oncology** 31(5–6):293–309, 1975

[Leishmaniasis cutanes recidivans. Report of a case] Ehlers G, et al. **Z Hautkr** 50(13):549–58, 1 Jul 75 **(Ger)**

[Editorial: Lisidonil (hydramitrazine) in treatment of unchecked neurogenic urinary bladder] Jensen D. **Tidsskr Nor Laegeforen** 95(33):1930–2, 30 Nov 75 **(Nor)**

[Use of neuroleptic drugs and glucocorticoids in complex treatment of croup in children] Krasovitskii ZI, et al. **Pediatriia** (1):49–52, Jan 76 (Eng. Abstr.) **(Rus)**

[Experience with azapropazone in rheumatology] Gómez G, et al. **Rev Esp Reum Enferm Osteoartic** 18(3):178–89, 1975 **(Spa)**

TOXICITY

The origin of chromosome aberrations in mature sperm of Drosophila: influence of sodium fluoride on treatments with trenimon and 1–phenyl–3,3–dimethyltriazene. Büchi R, et al. **Arch Genet (Zur)** 48(1):59–67, 1975

Preclinical studies with triazinate (NSC–139105), an antifolate drug, in beagle dogs and rhesus monkeys. Gralla EJ, et al. **Cancer Chemother Rep** 59(3):523–30, May–Jun 75

Toxicity and antitumor activity of hexamethylmelamine and its N–demethylated metabolites in mice with transplantable tumors. Lake LM, et al. **Cancer Res** 35(10):2858–63, Oct 75

Toxicological studies on azapropazone. Adrian RW, et al. **Curr Med Res Opin** 4(1):17–34, 1976

An evaluation of the mutagenicity of the cutting oil preservative Grotan BK. Urwin C, et al. **Mutat Res** 40(1):43–6, Jan 76

[Experimental study of the action of the antitumor antibiotic reumycin on the macroorganism] Egorenko GG, et al. **Antibiotiki** 21(2):178–82, Feb 76 (Eng. Abstr.) **(Rus)**

[Comparative toxicological characteristics of new rubber vulcanization accelerators, triazinthion and bis–triazine] Verbilov AA. **Vrach Delo** (6):132–4, Jun 74 (Eng. Abstr.) **(Rus)**

[Toxic characteristics of cuprammonium cyanurate] Markosian VE. **Zh Eksp Klin Med** 15(4):52–7, 1975 **(Rus)**

TRIAZIQUONE

PHARMACODYNAMICS

Proceedings: Protective effect of Reducdyn against the chromosome damaging activity of 2,3,5–triethyleneimino–benzoquinone–1,4 on human lymphocytes in vitro. Stosiek M, et al. **Mutat Res** 29(2):284, Aug 75

Differential chromatid staining by in vivo treatment as a mutagenicity test system. Vogel W, et al. **Nature** 260(5550):448–9, 1 Apr 76

THERAPEUTIC USE

[Effect of long term treatment with trenimon in chronic progressive polyarthritis] Kunze M, et al. **Z Gesamte Inn Med** 30(20):676–9, 15 Oct 75 (Eng. Abstr.) **(Ger)**

TOXICITY

The origin of chromosome aberrations in mature sperm of Drosophila: influence of sodium fluoride on treatments with trenimon and 1–phenyl–3,3–dimethyltriazene. Büchi R, et al. **Arch Genet (Zur)** 48(1):59–67, 1975

Proceedings: Types of chromosome aberration in pre–implementation embryos of Chinese hamster after treatment of the sires with Trenimon. Binkert F, et al. **Mutat Res** 29(2):215, Aug 75

Proceedings: Elimination of induced chromosome aberrations in embryogenesis of mice. Buselmaier B, et al. **Mutat Res** 29(2):215–6, Aug 75

Proceedings: Chromosome aberrations in metaphase II oocytes of Chinese hamsters (Cricetulus griseus). Hansmann I, et al. **Mutat Res** 29(2):218–9, Aug 75

TRIAZOLES

N–Acetylbenzotriazole as a protein reagent. Specific behaviour towards delta–chymotrypsin. Reboud–Ravaux M. **Eur J Biochem** 65(1):25–33, 17 May 76

The use of arylsulfonyltriazoles for the synthesis of oligonucleotides by the triester approach. Katagiri N, et al. **J Am Chem Soc** 97(25):7332–7, 10 Dec 75

Studies on the adduct of 4–phenyl–1,2,4–triazoline–3,5–dione with vitamin D3. Aberhart DJ, et al. **J Org Chem** 41(12):2098–2102, 11 Jun 76

[The reaction of 3–amino–s–triazole with acyloins (author's transl)] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 308(11):868–76, Nov 75 (Eng. Abstr.) **(Ger)**

[Aminomethylation, cyanomethylation and acylation of 1,2,4–triazolethione–3] Rudnicka W, et al. **Acta Pol Pharm** 33(3):321–7, 1976 (Eng. Abstr.) **(Pol)**

ANALYSIS

The effect of various sugars on the stability of 2–amino–6–methyl–5–oxo–4–n–propyl–4,5–dihydro–s–triaz [1,5–a] pyrimidine. Kitson GE, et al. **Pharm Acta Helv** 51(6):181–5, 1976

[Thin layer chromatographic detection of s–triazolo[1,5–a]pyrimidines and2–amino–1,2,4–triazole derivatives] Bornschein I, et al. **Pharmazie** 31(2):135–6, 1976 **(Ger)**

[Polarography of benzotriazol and amperometric titration by means of the complex formation reaction with cupric ion (author's transl)] Sakamoto M, et al. **J Pharm Soc Jpn** 96(4):465–70, Apr 76 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

The preparation and antihypertensive activity of 4–amino–3–(2,6–dichlorobenzylidenehydrazino)–1,2,4–triaz and some related compounds. Eriksson HE, et al. **Acta Pharm Suec** 13(1):79–96, 1976

Synthesis of (poly–)–peptides with phosphorus diester triazolides. Kricheldorf HR, et al. **Angew Chem [Engl]** 15(5):305–6, May 76

Synthesis of 5–membered heterocycles and related compounds. Ram VJ, et al. **Chem Pharm Bull (Tokyo)** 22(12):2778–83, Dec 74

4–Trifluoromethylimidazoles and 5–(4–pyridyl)–1,2,4–triazoles, new classes of xanthine oxidase inhibitors. Baldwin JJ, et al. **J Med Chem** 18(9):895–900, Sep 75

3,5–disubstituted 1,2,3,4–triazoles, 1 new class of xanthine oxidase inhibitor. Duggan DE, et al. **J Med Chem** 18(9):900–5, Sep 75

Synthesis of V–triazolo(4,5–c)pyridine nucleosides and 4–(beta–D–ribofuranosyl)amino–1,2,3–thiadiazolo(5,4–b)py via a rearrangement. May JA Jr, et al. **J Org Chem** 41(8):1449–56, 16 Apr 76

Ring contractions of 5–diazouracils. I. Conversions of 5–diazouracils into 1,2,3–triazoles by hydrolysis and methanolysis. Thurber TC, et al. **J Org Chem** 41(6):1041–57, 19 Mar 76

[Adamantane derivatives of benzotriazole (author's transl)] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 309(4):330–3, Apr 76 (Eng. Abstr.) **(Ger)**

[Reactions of 3–methyl–2,4–dioxo–3,4–dihydro–2H–5,6–benz–1,3–oxazin with hydrazine. Preparation of 4–methyl–3–[2–hydroxyphenyl]–1,2,4–triazolin–5–one] Wagner G, et al. **Pharmazie** 30(12):803–4, 1975 **(Ger)**

[Gluco– and xylopyranosides of 3–phenyl–4–methyl–(1,2,4)–triazoline– 5–thiones and 3–phenyl–(1,3,4)–thiadiazoline–5–thiones] Wagner G, et al. **Pharmazie** 29(11):694–8, 1975 **(Ger)**

[Chelate compounds of 3–methyl–4–alpha–pyridyl–1,2,4–triazolethiol–5 with Cu(II) and Co(II) ions] Bany T, et al. **Acta Pol Pharm** 33(3):335–42, 1976 (Eng. Abstr.) **(Pol)**

[Potential anti–inflammatory agents II. 7–Methyl–s–triazo(4,3–a)pyridines] Moragues J, et al. **Farmaco [Sci]** 31(2):126–32, Feb 76 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

[Biotransformation of trapidil (Rocornal)] Bornschein I, et

al. **Pharmazie** 31(1):53–4, 1976 **(Ger)**

METABOLISM

Triazophos (active substance in the sales product Hostathion) environmental impact (degradation on/in plants, in soil and in warm-blooded animals). Bock KD, et al. **Environ Qual Saf [Suppl]** 3:833–9, 1975

[Metabolism of 3-amino-1,2,4-triazole in rats] Grunow W, et al. **Arch Toxicol (Berl)** 34(4):315–24, 18 Dec 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of 3-amino-1,2,4-triazole on lipid metabolism in the rat. Ishii H, et al. **Biochem Pharmacol** 25(12):1438–40, 15 Jun 76

Studies on the mechanism of inhibition of Salmonella typhimurium by 1,2,4-triazole. Kredich NM, et al. **J Biol Chem** 250(18):7324–31, 25 Sep 75

Mutagenicity and toxicity of amitrole. III. Microbial tests. Bamford D, et al. **Mutat Res** 40(3):197–202, Jul 76

Mutangenicity and toxicity of amitrole. I. Drosophila tests. Laamanen I, et al. **Mutat Res** 40(3):185–90, Jul 76

Mutagenicity and toxicity of amitrole. II. Human lymphocyte culture tests. Meretoja T, et al. **Mutat Res** 40(3):191–6, Jul 76

[Histamine-like stimulator of gastric secretion—3-(beta-aminoethyl)-5-amino-1,2,4-triazole] Grechiskin LL, et al. **Biull Eksp Biol Med** 79(6):71–3, Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of immobilization and 3(beta-aminoethyl)-1, 2, 4-triazole on the calcium level in the tissues of the stomach of guinea pigs during the formation of experimental ulcers] Grechishkin LL, et al. **Farmakol Toksikol** 39(1) Jan–Feb 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Pregnancy termination in dogs with novel nonhormonal compounds. Galliani G, et al. **Am J Vet Res** 37(3):263–8, Mar 76

A comparative clinical trial of 5-azacytidine and guanazole in previously treated adults with acute nonlymphocytic leukemia. Levi JA, et al. **Cancer** 38(1):36–41, Jul 76

Guanazole (NSC-1895)—a phase I clinical study. Caoili EM, et al. **Cancer Chemother Rep** 59(6):1117–21, Nov–Dec 75

TRIBENOSIDE see under **GLYCOSIDES**

TRIBOLIUM

Extra-large Tribolium confusum: a new autosomal recessive mutant. Vardell HH, et al. **Can J Genet Cytol** 17(4):609–13, Dec 75

Genetic modification of recombination rate in Tribolium castaneum. Dewees AA. **Genetics** 81(3):537–52, Nov 75

GROWTH & DEVELOPMENT

Genetic analysis of a population of Tribolium. V. Viability of the unsaturated fatty acid sensitive mutant. Scully AM, et al. **Can J Genet Cytol** 17(4):585–90, Dec 75

The difference of pupa weight measurements in Tribolium and its effects on selection responses. Yamada Y. **Can J Genet Cytol** 17(4):601–7, Dec 75

Longevity, growth rate and related traits among strains of Tribolium castaneum. Soliman MH, et al. **Gerontologia** 21(2):102–16, 1975

MICROBIOLOGY

[Microsporidiosis and coccidiosis, protozoan diseases of flour beetles (Coleoptera, Tenebrionidae)] Listov MV. **Parazitologiia** 10(3):268–73, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The effect of mebendazole on the development of Hymenolepis diminuta in Tribolium confusum. Evans WS, et al. **Can J Zool** 54(7):1079–83, Jul 76

A comparative study of the two alternative larval forms of Hymenolepis nana, the dwarf tapeworm, with special reference to the process of excystment. Caley J. **Z Parasitenkd** 47(3):217–35, 16 Oct 75

PHYSIOLOGY

Differential egg cannibalism among larvae of Tribolium castaneum as influenced by the antennapedia mutation. Fogle TA, et al. **Can J Genet Cytol** 18(1):179–87, Mar 76

Circadian oxygen consumption rhythm of the flour beetle, Tribolium confusum with special reference to phase-shifting. pp. 602–6. Chiba Y, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

[Relationship between growth rate and longevity in Tribolium castaneum and Drosophila melanogaster] Soliman H, et al. **C R Acad Sci [D] (Paris)** 282(10):1029–32, 8 MAR 76 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Form of the increased longevity of Tribolium after X-irradiation. Ducoff HS. **Exp Gerontol** 10(3–4):189–93, Aug 75

Acute lethality after fast-neutron and x-irradiation of Tribolium confusum. Glenn ND, et al. **Radiat Res** 65(1):120–9, Jan 76

TRIBROMOETHANOL

Pathenogenetic activation of mouse oocytes following avertin anaesthesia. Kaufman MH. **J Embryol Exp Morphol** 33(4):941–6, Jul 75

TOXICITY

Deleterious effect of an anaesthetic on cultured mammalian embryos. Kaufman MH, et al. **Nature** 260(5554):782–4, 29 Apr 76

TRIBUTYRINASE see **LIPASE**

TRICARBOXYLIC ACID CYCLE see **KREBS CYCLE**

TRICARBOXYLIC ACIDS

L(+)- and d(−)-gamma-carboxyglutamic acid. Absolute configuration, properties and synthesis by resolution of DL-N-benzyloxycarbonyl-gamma-carboxyglutamic acid gamma, gamma' -di-t-butylester. Märki W, et al. **Helv Chim Acta** 59(5):1591–2, 14 Jun 76

ANALYSIS

Separation of some typical Krebs cycle acids by high-speed isotachophoresis. Boček P, et al. **J Chromatogr** 117(1):97–104, 4 Feb 76

Gas chromatographic separation of Krebs-cycle metabolites. Pinelli A, et al. **J Chromatogr** 118(2):236–9, 17 Mar 76

CHEMICAL SYNTHESIS

[Preparation of DL-N-benzyloxycarbonyl-gamma-carboxy-glutamic acid-gamma, gamma'-di-t-butyl-alpha-methyl ester, a suitable derivative for peptide synthesis with the new aminotricarboxylic acid from prothrombin] Märki W, et al. **Helv Chim Acta** 58(5):1471–7, 16 Jul 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

A new inhibitor of adenine nucleotide translocase in mitochondria: agaric acid. Chávez E, et al. **Biochem Biophys Res Commun** 67(1):272–8, 3 Nov 75

Effect of Krebs cycle metabolites on frog heart. Chopde CT, et al. **Indian J Physiol Pharmacol** 19(3):157–60, Jul–Sep 75

Inhibition of rat liver rhodanese by di-, tricarboxylic, and alpha-keto acids. Oi S. **J Biochem (Tokyo)** 78(4):825–34, October 75

TRICHINA see **TRICHINELLA**

TRICHINELLA

Finding of Trichinella spiralis in a walrus (Odobenus rosmarus L.) in the Thule district, Northwest Greenland. Thing H, et al. **Nord Vet Med** 28(1):59, Jan 76

The association in mice of intestinal inflammation, elevated levels of phospholipase B, and expulsion of Trichinella spiralis. Larsh JE Jr. **Wiad Parazytol** 21(4–5):679–82, 1975

[Ultrastructural changes in muscle cells infected with Trichinella spiralis] Gabryel P, et al. **Wiad Parazytol** 21(6):839–45, 1975 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

[The species composition of Trichinella in Kazakhstan] Boev SN. **Med Parazitol (Mosk)** 44(2):220–2, Mar–Apr 75 **(Rus)**

CYTOLOGY

On the karyotype of a laboratory Trichinella strain from Bulgaria. Mutafova T, et al. **Z Parasitenkd** 48(3–4):247–50, 6 Feb 76

DRUG EFFECTS

Failure to confirm reported lethal effect of cytotoxic drugs on encapsulated Trichinella spiralis larvae in mice. Campbell WC, et al. **J Parasitol** 61(6):1116–7, Dec 75

Lethality of disrupted intestinal lamina propia cells for Trichinella spiralis in vitro. Castro GA, et al. **J Parasitol** 61(6):1053–60, Dec 75

[Pattern of intestinal and muscle trichinellosis in immunosuppressed experimental mice. Part II. Muscle trichinellosis in mice treated with cyclophosphanum] Pereverzeva EV. **Wiad Parazytol** 21(4–5):611–21, 1975 (Eng. Abstr.) **(Rus)**

[Pattern of intestinal and muscle trichinellosis in immunosuppressed experimental mice. I. Intestinal trichinellosis in mice treated with cyclophosphane] Pereverzeva EV. **Wiad Parazytol** 21(4–5):601–9, 1975 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

On the independence of Trichinella species. Bessonov AS, et al. **Wiad Parazytol** 21(4–5):561–75, 1975

Laboratory study of the fate of Trichinella spiralis larvae (Owen, 1935) in the body of insects species Dermestes lardarius L. Zukowski K, et al. **Wiad Parazytol** 21(4–5):759–62, 1975

[Action of phytohemagglutinin on the development of Trichinella larvae in experimental animals] Pereverzeva EV. **Med Parazitol (Mosk)** 44(2):165–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Application of immunofluorescence and immunoenzyme methods in the serodiagnosis of Trichinella spiralis infection. Ruitenberg EJ, et al. **Ann NY Acad Sci** 254:296–303, 30 Jun 75

An evaluation of crude and fractionated Trichina antigens in the diagnosis of trichinosis Norman L, et al. **Bol Chil Parasitol** 30(3–4):58–64, Jul–Dec 75 (Eng. Abstr.)

Effect of lactation on cell-mediated immunity of Swiss mice to Trichinella spiralis. Ngwenya BZ. **Cell Immunol** 24(1):116–22, 1 Jun 76

Increased resistance in the rat to Strongyloides ratti following immunization against Trichinella spiralis. Kazacos KR. **J Parasitol** 62(3):493–4, Jun 76

Immunogenicity of the parenteral stages of Trichinella spiralis. Ruitenberg EJ, et al. **J Parasitol** 62(1):164–6, Feb 76

Comparative studies on cell-mediated immunity in experimental trichinnellosis. Macrophage migration inhibition and cell adherence around larva in vitro. Gustowska L, et al. **Wiad Parazytol** 21(4–5):639–48, 1975

ELISA (enzyme-linked immunosorbent assay) as preventive and repressive control method for the detection of Trichinella spiralis infections in slaughter pigs. Ruitenberg EJ, et al. **Wiad Parazytol** 21(4–5):747–51, 1975

Immunobiology of Trichinella spiralis. Stankiewicz M, et al. **Wiad Parazytol** 21(4–5):591–9, 1975

[Proceedings: Experimental trichinosis: a model of delayed hypersensitivity induced by oral route] Vernes A, et al. **Ann Immunol (Paris)** 126(3):353, Apr 75 **(Fre)**

[The effect of Trichinella spiralis on the susceptibility and antibody production to vaccinia virus] Chimishkian KL, et al. **Vopr Virusol** (4):438–41, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Cross-immunity in rats infected with different Trichinella species] Britov VA. **Wiad Parazytol** 21(4–5):633–8, 1975 **(Rus)**

ISOLATION & PURIFICATION

Detecting the presence of Trichinella spiralis (Owen) larvae in animal muscle by automatic data-processing using a digital image transmutator for feeding the data into the computer. Orlewski R, et al. **Bull Pharm Res Inst (Takatsuki)** 23(9):629–30, 1975

[Acute trichinosis. Several recent cases imported from Egypt (author's transl)] Therizol M, et al. **Bull Soc Pathol Exot** 68(4):407–15, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Occurrence and detection of Trichinella spiralis in free-living Carnivora whose meat is to be used for human consumption] pp. 585–8. Fassbender CP, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

METABOLISM

Biochemistry of Trichinella spiralis. Gerwel C, et al. **Wiad Parazytol** 21(4–5):669–77, 1975

TRICHINELLIASIS see **TRICHINOSIS**

TRICHINELLOIDEA see **TRICHUROIDEA**

TRICHINOSIS

Trichinosis: severe myopathic involvement with recovery. Davis MJ, et al. **Neurology (Minneap)** 26(1):37–40, Jan 76

Studies on the epidemiology and biology of trichinellosis in Poland (1964–1974). Gerwel C, et al. **Wiad Parazytol** 21(4–5):513–40, 1975

Trichinella spiralis studies in the Netherlands. Ruitenberg EJ. **Wiad Parazytol** 21(4–5):545–6, 1975

[Acute trichinosis. Several recent cases imported from Egypt (author's transl)] Therizol M, et al. **Bull Soc Pathol Exot** 68(4):407–15, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Case of trichinosis in the Amur Region] Skupchenko KV, et al. **Wiad Parazytol** 21(4–5):557–9, 1975 **(Rus)**

BLOOD

Letter: Trypanosomiasis cruzi in mice with trichinosis. Campbell WC, et al. **Trans R Soc Trop Med Hyg** 70(2):163, 1976

[C-reactive protein (CRP) as an index of non-specific syndrome of the acute phase in correlation with leukocytosis and erythrocyte sedimentation rate in the study of trichinosis] Boroń p, et al. **Wiad Parazytol** 21(4–5):703–10, 1975 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Parasites and cancer. Gawish N. **Egypt J Bilharz** 2(1):131–6, 1975

[Interrelations of experimental Trichinella spiralis and Erysipelothrix insidiosa infection in rats] Toshkov A, et al. **Acta Microbiol Virol Immunol (Sofiia)** 2:7–12, 1975 (Eng. Abstr.) **(Bul)**

[Neurologic complications of trichinosis] Vliegen J, et al. **Nervenarzt** 47(7):439–43, Jul 76 **(Ger)**

[Chronic myopathy caused by trichinosis] Prusiński A, et al. **Wiad Parazytol** 21(4–5):731–6, 1975 (Eng. Abstr.) **(Pol)**

[Effect of Trichinella spiralis infection on the development of Rauscher leukemia] Trubcheninova LP, et al. **Vopr Virusol** (3):344–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Application of immunofluorescence and immunoenzyme methods in the serodiagnosis of Trichinella spiralis infection. Ruitenberg EJ, et al. **Ann NY Acad Sci** 254:296–303, 30 Jun 75

An evaluation of crude and fractionated Trichina antigens in the diagnosis of trichinosis Norman L, et al. **Bol Chil Parasitol** 30(3–4):58–64, Jul–Dec 75 (Eng. Abstr.)

Fever, muscular aches, and gastrointestinal symptoms. Ziai M. **Clin Pediatr (Phila)** 14(11):1070, Nov 75

Algorithms in the diagnosis and management of exotic diseases. VII. Trichinosis. Grove DI, et al. **J Infect Dis** 132(4):485–8, Oct 75

Indirect haemagglutination and indirect immunofluorescence tests in the diagnosis of human trichinellosis in an epidemic foucs. Jędrzejewska B, et al. **Wiad Parazytol** 21(4–5):663–7, 1975

Electromyographic studies in acute period of trichinellosis. Kaczmarek J, et al. **Wiad Parazytol** 21(4–5):711–9, 1975

[Letter: Value of indirect immunofluorescence in the direction of human trichinosis. Apropos of 2 recent epidemics] Gentilini M, et al. **Nouv Presse Med** 5(11):720, 13 Mar 76 **(Fre)**

[Immunologic diagnosis of trichinellosis] Plonka WS. **Przegl Epidemiol** 29(3):309–19, 1975 (Eng. Abstr.) **(Pol)**

[Studies on immunofluorescence and passive hemagglutination test in trichinosis (author's transl)] Klimowicz J, et al. **Przegl Lek** 32(12):876–8, 1975 (Eng. Abstr.) **(Pol)**

[Laboratory studies in trichinelliasis] Tsvetanova EM. **Med Parazitol (Mosk)** 44(4):464–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Letter: Treatment of trichinosis] Thienpont D. **Nouv Presse Med** 5(28):1759–60, 28 Aug–4 Sep 76 **(Fre)**

ENZYMOLOGY

The association in mice of intestinal inflammation, elevated levels of phospholipase B, and expulsion of Trichinella spiralis. Larsh JE Jr. **Wiad Parazytol** 21(4–5):679–82, 1975

Mathematical interpretation of tissue — serum enzyme activity relation in trichinellosis. Ponznańska H. **Wiad Parazytol** 21(4–5):689–701, 1975

Cytochemical studies on some specific phosphatase activities in experimental trichinellosis of mice. Seniuta R. **Wiad Parazytol** 21(4–5):683–8, 1975

[Histochemical study of the effect of phosphoroorganic esters Z–50 (fenchlorfos) and Z–51 (bromophos) on cholinesteras activity in the course of the muscle phase in experimental trichinellosis in mice] Ramisz A, et al. **Pol Arch Weter** 17(4):623–31, 1975 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Unusual aspects of domestic trichinosis in regard to a familial infestation discovered in Montreal] Auger P, et al. **Can Med Assoc J** 114(6):522–5, 20 Mar 76 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

A comparative study of the immunohistological and serological response of intact and T cell–deprived mice to Trichinella spiralis. Ljungström I, et al. **Clin Exp Immunol** 24(1):146–56, Apr 76

Trichinella spiralis: anaphylactic antibody formation and susceptibility in strains of inbred mice. Rivera–Ortiz CI, et al. **Exp Parasitol** 39(1):7–17, Feb 76

Production of different classes of immunoglobulins in rats infested with Trichinella spiralis. Perrudet–Badoux A, et al. **Immunochemistry** 13(5):443–5, May 76

Depression of the plaque–forming cells to sheep red blood cells by the new–born larvae of Trichinella spiralis. Faubert GM. **Immunology** 30(4):485–9, Apr 76

The immune mechanism which expels the intestinal stage of Trichinella spiralis from rats. Love RJ, et al. **Immunology** 30(1):7–15, Jan 76

Trichinella infestation in mice genetically selected for high and low antibody production. Perrudet–Badoux A, et al. **Immunology** 29(2):387–90, Aug 75

Immunity to parasites (helminths and arthropods). pp. 127–35. Ogilvie BM.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.4. (43 ref.)

Cellular immunity in Peyer's patches of rats infected with Trichinella spiralis. Levin DM, et al. **Infect Immun** 13(1):27–30, Jan 76

An epidemic of trichinosis after ingestion of wild pig in Hawaii. Barrett–Connor E, et al. **J Infect Dis** 133(4):473–7, Apr 76

Immunogenicity of the parenteral stages of Trichinella spiralis. Ruitenberg EJ, et al. **J Parasitol** 62(1):164–6, Feb 76

Immunity to primary and challenge infections of Trichinella spiralis in mice: a re–examination of conventional parameters. Wakelin D, et al. **Parasitology** 72(2):173–82, Apr 76

Proceedings: A modified indirect fluorescent antibody test for Trichinella spiralis. James ER. **Trans R Soc Trop Med Hyg** 69(4):433, 1975

Quantitative study of the effect of previous Trichinella spiralis infection on sarcoma 180 ascitic tumor formation in mice. Lubiniecki AS, et al. **Tropenmed Parasitol** 26(3):329–34, Sep 75

Comparative studies on cell–mediated immunity in experimental trichinnellosis. Macrophage migration inhibition and cell adherence around larva in vitro. Gustowska L, et al. **Wiad Parazytol** 21(4–5):639–48, 1975

Influence of immunosuppressors (cyclophosphamide and azathioprine) on mast cells in experimental trichinellosis of mice. Karmańska K, et al. **Wiad Parazytol** 21(4–5):649–62, 1975

Transfer of delayed–type hypersensitivity by cells (spleen, mesenteric lymph node) in Trichinella spiralis infection in mice. Piotrowski R. **Wiad Parazytol** 21(4–5):623–32, 1975

[Proceedings: Experimental trichinosis: a model of delayed hypersensitivity induced by oral route] Vernes A, et al. **Ann Immunol (Paris)** 126(3):353, Apr 75 **(Fre)**

[Cross–immunity in rats infected with different Trichinella species] Britov VA. **Wiad Parazytol** 21(4–5):633–8, 1975 **(Rus)**

[Pattern of intestinal and muscle trichinellosis in immunosuppressed experimental mice. I. Intestinal trichinellosis in mice treated with cyclophosphane] Pereverzeva EV. **Wiad Parazytol** 21(4–5):601–9, 1975 (Eng. Abstr.) **(Rus)**

[Pattern of intestinal and muscle trichinellosis in immunosuppressed experimental mice. Part II. Muscle trichinellosis in mice treated with cyclophosphanum] Pereverzeva EV. **Wiad Parazytol** 21(4–5):611–21, 1975 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of trichinosis on weight gain and food intake of rats fed low and high protein diets. Saowakontha S. **Southeast Asian J Trop Med Public Health** 6(2):247–50, Jun 75

[Mineral contents of the blood and chemical composition of the muscles of trichinella–infected piglets (author's transl)] Enigk K, et al. **Tropenmed Parasitol** 27(1):57–69, Mar 76 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Trichinosis acquired at sea—report of an outbreak. Singal M, et al. **Am J Trop Med Hyg** 25(5):675–81, Sep 76

Trichinosis surveillance. **Clin Pediatr (Phila)** 14(11):997–8, Nov 75

Trichinosis: a world problem with extensive sylvatic reservoirs. pp. 565–84. Steele JH.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w. (48 ref.)

Trichinosis: a world problem with extensive sylvatic reservoirs. Steele JH, et al. **Int J Zoonoses** 2(2):55–75, Dec 75 (47 ref.)

Trichinosis outbreak in Postville. Meyer T. **J Iowa Med Soc** 66(6):225–6, Jun 76

Prevalence of Trichinella spiralis in the mongoose, human, and swine populations of the Virgin Islands. Slonka GF, et al. **J Parasitol** 62(2):221, Apr 76

Trichinellosis in Czecholovakia (1962–1974). Hovorka J. **Wiad Parazytol** 21(4–5):541–4, 1975

[Trichinosis] Adonajlo A. **Przegl Epidemiol** 30(1):127–8, 1976 **(Pol)**

[Evaluation of the costs of an epidemic of human trichinosis] Kostrzewski JM. **Wiad Parazytol** 21(4–5):739–45, 1975 (Eng. Abstr.) **(Pol)**

[Observations on a trichinellosis focus] Drăghici O, et al. **Rev Ig [Bacteriol]** 21(2):99–104, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Clinical characteristics of epidemics of trichinosis in the village of Lipovica near Tuzla] Lupi D, et al. **Med Arh** 29(6):605–8, Nov–Dec 75 (Eng. Abstr.) **(Ser)**

[Report on a smaller epidemic of trichinelliasis] Zambeli M. **Med Arh** 29(6):627–9, Nov–Dec 75 **(Ser)**

[An epidemic of trichinosis in the central zone of Chile (author's transl)] Székely R, et al. **Bol Chil Parasitol** 30(3–4):87–8, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Course of infection with enteric parasites in hosts shifted from enteral to total parenteral nutrition. Castro GA, et al. **J Parasitol** 62(3):353–9, Jun 76

[Host–parasite relations in trichinosis studied by means of intestinal transplantations] Lancastre F. **Wiad Parazytol** 21(4–5):737, 1975 **(Fre)**

[Action of phytohemagglutinin on the development of Trichinella larvae in experimental animals] Pereverzeva EV. **Med Parazitol (Mosk)** 44(2):165–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Altered small bowel propulsion associated with parasitism. Castro GA, et al. **Gastroenterology** 71(4):620–5, Oct 76

Electromyographic studies in persons with trichinellosis history. Kocięcka W, et al. **Wiad Parazytol** 21(4–5):721–30, 1975

[Trichinosis in children] Klein IuS. **Med Parazitol (Mosk)** 44(6):658–62, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Trichinellosis in Latin America. Neghme A. **Wiad Parazytol** 21(4–5):547, 1975

[Management of an epidemic of trichinosis] Kassur B, et al. **Przegl Epidemiol** 29(4):439–42, 1975 (Eng. Abstr.) **(Pol)**

TRANSMISSION

[Clinical, epidemiological and parasitological characteristics of human trichinosis caused by synanthropic and wild animals strains of Trichinella spiralis] Ozeretskovskaia NN, et al. **Wiad Parazytol** 21(4–5):577–89, 1975 (Eng. Abstr.) **(Rus)**

VETERINARY

Trichinosis in British Columbia wildlife. Schmitt N, et al. **Can J Public Health** 67(1):21–4, Jan–Feb 76

Current status of trichinosis in swine in the Atlantic provinces. Smith HJ, et al. **Can Vet J** 17(3):72–5, Mar 76

Trichinosis. A world problem with extensive sylvatic reservoirs. Steele JH, et al. **Int J Zoonoses** 2(2):55–75, Dec 75

Xeroradiographic visualization of trichinae in polar bear muscle. Nelson GS, et al. **J Helminthol** 49(4):301–2, Dec 75

Reliability of ELISA (enzyme–linked immunosorbent assay) as control method for the detection of Trichinella spiralis infections in naturally infected slaughter pigs. van Knapen F, et al. **J Parasitol** 62(2):332–3, Apr 76

Trichinosis (Trichinella spiralis infestations) in wild animals of the Kruger National Park. Young E, et al. **J S Afr Vet Assoc** 46(3):233–4, Sep 75

An investigation of North Atlantic whales for trichinosis. Smith HJ. **J Wildl Dis** 12(2):256–7, Apr 76

The prevalence of Trichinella spiralis in foxes (Vulpes vulpes) and other game species in Denmark. Clausen B, et al. **Nord Vet Med** 28(4–5):265–70, Apr–May 76

Finding of Trichinella spiralis in a walrus (Odobenus rosmarus L.) in the Thule district, Northwest Greenland. Thing H, et al. **Nord Vet Med** 28(1):59, Jan 76

Reliability of the enzyme–linked immunosorbent assay (ELISA) for the serodiagnosis of Trichinella spiralis infections in conventionally raised pigs. Ruitenberg EJ, et al. **Tijdschr Diergeneeskd** 101(2):57–70, 15 Jan 76

Experimental investigations on the prophylactic value of Olteanu's method in trichinellosis in swine. Cironeanu I, et al. **Wiad Parazytol** 21(4–5):753–7, 1975

ELISA (enzyme–linked immunosorbent assay) as preventive and repressive control method for the detection of Trichinella spiralis infections in slaughter pigs. Ruitenberg EJ, et al. **Wiad Parazytol** 21(4–5):747–51, 1975

[Studies of the humoral reactivity of piglets with experimental trichinelliasis] Bratanov V, et al. **Vet Med Nauki** 12(4):76–83, 1975 (Eng. Abstr.) **(Bul)**

[Detection of Trichinella spiralis infection in spontaneously infected pigs intended for slaughter using the enzyme–linked immunosorbent assay (ELISA) (author's transl)] Van Knapen F, et al. **Tijdschr Diergeneeskd** 101(17):952–6, 1 Sep 76 (Eng. Abstr.) **(Dut)**

[A case of trichinelliasis and cysticercosis in wild boars] Zimoroĭ IIa. **Med Parazitol (Mosk)** 44(2):224, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Vital diagnosis of trichinelliasis of swine] Belozerov SN. **Veterinariia** (6):70–2, Jun 75 **(Rus)**

[Trichinosis in the Ukrainian SSR] Mel'nik MN, et al. **Wiad Parazytol** 21(4–5):549–55, 1975 **(Rus)**

TRICHLORFON

[Fertility of houseflies (Musca domestiva L.) highly resistant to chlorophos] Sukhova MN, et al. **Med Parazitol (Mosk)** 45(1):52–6, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Critical and controlled tests of the antiparasitic activity of liquid and paste formulations of trichlorfon in the horse. Drudge JH, et al. **Vet Med Small Anim Clin** 70(8):975–8, Aug 75

Evaluation of ComBotTM (Trichlorfon) when combined with phenothiazine, mebendazole or thiabendazole for use as a broad–spectrum anthelmintic in horses. Rand H. **Vet Med Small Anim Clin** 70(11):1297–9, Nov 75

ADVERSE EFFECTS

[Effects of organophosphate pesticides poisons on the acylohydrolase activity in homothermal animals (author's transl)] Mizak B. **Ann Univ Mariae Curie Sklodowska [Med]** 29:241–8, 1974 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Residues of trichlorfon and lauroyl trichlorfon in douglas–fir, willow, grass, aspen foliage, and in creek water after aerial application. Pieper GR, et al. **Bull Environ Contam Toxicol** 15(2):250–6, Feb 76

[The mutagenicity of desmethyltrichlorphone in dominant lethal test on mice (author's transl)] Dedek W, et al. **Arch Toxicol (Berl)** 33(2):163–8, 14 Feb 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Residues of trichlorfon and lauroyl trichlorfon in douglas-fir, willow, grass, aspen foliage, and in creek water after aerial application. Pieper GR, et al.
Bull Environ Contam Toxicol 15(2):250-6, Feb 76

[Rapid enzymatic-colorimetric method for detecting organophosphorous insecticide residues in milk] Konrad H, et al. **Nahrung** 20(4):395-8, 1976 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Immunological state of the body under the action of low doses of chlorophos and methylnitrophos] Khovaeva LA, et al. **Gig Sanit** (1):98-100, Jan 76 **(Rus)**

ISOLATION & PURIFICATION

[Method for determination of 0,0-dimethyl 2,2,2-trichloro-1-hydroxyethyl phosphonate (DMTHF)] Krauthacker B. **Arh Hig Rada Toksikol** 26(2):157-69, 1975 (Eng. Abstr.) **(Cro)**

PHARMACODYNAMICS

Insecticides and soil microorganisms. II. Effect of dipterex on nodule formation in broad bean and clover plants under different manurial treatments. Salama AM, et al.
Acta Biol Acad Sci Hung 25(4):239-46, 1974

The effect of foschlor and MCPA upon the embryo development of Fasciola hepatica (Trematoda) and Triaenophorus nodulosus (Cestoda). Guttowa A, et al.
Bull Acad Pol Sci [Biol] 23(6):390-7, 1975

Experimental study of the effect of a series of phosphoroorganic pesticides (Dipterex and Imidan) on embryogenesis. Martson LV, et al.
Environ Health Perspect 13:121-4, Feb 76

Studies on the alkylating properties of trichlorphone and dimethoate in mammals. Dedek W, et al.
Environ Qual Saf [Suppl] 3:648-51, 1975

Influence of trichlorfon and fractionated irradiation on hydroproteolytic activity of pancreas and intestinal tissues of rats. Kocmierska-Grodzka D. **Strahlentherapie** 151(3):278-84, Mar 76

[Effect of chlorophos on energy metabolism in the placenta and in the organs of the intrauterine fetus] Andrashko VV, et al. **Farmakol Toksikol** 38(2):208-10, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Heightened anticholinesterase activity of chlorophos in its interaction with the TMB-4 reactivator in vitro] Kutsenko SA. **Farmakol Toksikol** 39(1):35-9, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Influence of neguvon (chlorofos) on the fertility of laboratory strains of house flies (Musca domestica L.)] Dobreva EI. **Med Parazitol (Mosk)** 44(4):443-8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Inhibition by chlorophos and its metabolite DDVP of fructose-1,6-diphosphate cleavage in the hyaloplasm of Musca domestica L. flies] Zhuravleva IA, et al.
Med Parazitol (Mosk) 44(3):347-51, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Glycolysis and various reactions of the pentosephosphate pathway in chlorophos sensitive and resistant houseflies (Musca domestica L.)] Zhuravleva IA.
Med Parazitol (Mosk) 44(6):707-12, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Action of chlorophos on helminths and on the animal organism] Selivanova AS, et al. **Veterinariia** (9):70-1, Sep 74 **(Rus)**

POISONING

The activities of some esterases of the rat brain after intoxication by organophosphate insecticides, dichlorvos and trichlorphon. Pachecka J, et al. **Neuropatol Pol** 13(3-4):455-62, Jul-Dec 75

[Study of the activity of erythrocyte cholinesterase in healthy and dipterex-poisoned sheep and cattle] Kr'stev E.
Vet Med Nauki 12(1):10-5, 1975 (Eng. Abstr.) **(Bul)**

[A case of hypocholinesterasemia induced by trichlorfon] Okuyama A, et al. **Acta Med Okayama** 29(3):233-6, Jun 75 **(Jpn)**

[Ultrastructure of the peripheral nerve in polyneuropathy due to dipterex] Takahashi K, et al.
Clin Neurol (Tokyo) 15(7):430-5, Jul 75 (Eng. Abstr.) **(Jpn)**

[Case of polyneuropathy following foschlor poisoning] Eljasz L, et al. **Pol Tyg Lek** 30(44):1841-2, 3 Nov 75 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Critical tests and safety studies on trichlorfon as an antiparasitic agent in the horse. Drudge JH, et al.
Am J Vet Res 37(2):139-44, Feb 76

Letter: Metrifonate in the treatment of urinary bilharziasis. Niemandt S, et al. **S Afr Med J** 49(45):1860, 25 Oct 75

[Estrosis in sheep and measures against it] Bukshtynov VI, et al. **Veterinariia** (8):56-8, Aug 75 **(Rus)**

[Chlorophos in controlling dactylogyriasis] Iashchuk VD. **Veterinariia** (9):74-5, Sep 74 **(Rus)**

[Hypodermin-chlorophos against warble fly larvae in yaks] Kamarli AP, et al. **Veterinariia** (10):64-5, Oct 75 **(Rus)**

[Chlorophos in the prevention of parasitic diseases in fish] Sukhenko GE. **Veterinariia** (6):77-8, Jun 75 **(Rus)**

TOXICITY

Researches on Dipterex in view of Establishing the allowable maximum concentration. Zamfir G, et al.
Environ Qual Saf [Suppl] 3:845-9, 1975

[Studies on the effect of the phosphororganic preparation on organism of pregnant rats, foetuses and the cells in tissue culture (author's transl)] Staszyc J, et al.
Ann Univ Mariae Curie Sklodowska [Med] 29:249-54, 1974 (Eng. Abstr.) **(Pol)**

[Effect of some phosphoro-organic pesticides on the function of human fibroblasts in vitro. I. Studies on phoschlor action] Truchliński J, et al. **Med Dosw Mikrobiol** 27(4):397-404, 1975 (Eng. Abstr.) **(Pol)**

TRICHLORMETHIAZIDE

ADMINISTRATION & DOSAGE

Proceedings: Study on the effect of long-term administration (one year) of trichlormethiazide upon glucose metabolism of SHR. Jinnouchi T, et al. **Jpn Heart J** 17(3):412-3, May 76

ADVERSE EFFECTS

Sinus arrest following diuretic therapy in a patient with myxedema and hypertension. Takeda R, et al.
Cardiology 60(3):185-91, 1975

THERAPEUTIC USE

A comparative study of metoprolol and trichlormethiazide in hypertension. Stokkeland OM, et al. **Curr Ther Res** 18(6):755-68, Dec 75

Effects of a corticosteroid and diuretic agent on udder edema and milk yield in dairy cows. Mitchell RG, et al.
J Dairy Sci 59(1):109-12, Jan 76

TRICHLOROACETIC ACID

Trichloroacetic acid-induced rearrangement of steroids. Aromatisation of 17-methyltestosterone into 1,2,10,15,16,17-hexahydro-10,17,17-trimethylcyclopenta(a
Britten A, et al. **J Chem Soc [Perkin I]** (2):158-60, 1976

Radiochromatography of 5-3H-uridine derivatives found in trichloracetic and soluble fractions of mouse brain, liver, muscle and blood. Etrychová J, et al.
Physiol Bohemoslov 24(5):385-8, Sep 75

ANALYSIS

Possible cause and stabilization of counting rate for 14C-labled trichloroacetic acid in toluene/Triton scintillation solution. Chow PN. **Anal Biochem** 69(2):485-90, Dec 75

METABOLISM

Methods for measuring trichloroethanol and trichloroacetic acid in blood and urine after exposure to trichloroethylene. Vesterberg O, et al. **Scand J Work Environ Health** 1(4):243-8, Dec 75

PHARMACODYNAMICS

[The relationship between the conception of the role of histones in the mutagenic process and the combined effect of trichloracetic acid and dimethylsulfate on Arabidopsis] Plotnikov VA, et al. **Tsitol Genet** 10(1):35-9, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

URINE

Simultaneous determination of trichloracetic acid and trichlorethanol by gas chromatography. Humbert BE, et al. **Int Arch Occup Environ Health** 36(4):235-41, 9 Mar 76

[Biological measurements on humans as indices of exposure to trichloroethylene. Preliminary note] Gazzaniga G, et al. **Boll Soc Ital Biol Sper** 51(5):242-7, 15 Mar 75 **(Ita)**

TRICHLOROETHYLENE

Letter: A return to trichloroethylene. Palahniuk RJ.
Br J Anaesth 47(11):1232-3, Nov 75

Haemodynamic interactions of high-dose propranolol pretreatment and anaesthesia in the dog. III: The effects of haemorrhage during halothane and trichloroethylene anaesthesia. Roberts JG, et al. **Br J Anaesth** 48(5):411-8, May 76

ADVERSE EFFECTS

Letter: A return to trichlorethylene. Reynolds ES.
Br J Anaesth 48(1):51, Jan 76

[Field studies in the solvent industry. 4. Arrhythmias due to trichloroethylene] Konietzko H, et al.
Zentralbl Arbeitsmed 25(5):139-41, May 75 (Eng. Abstr.) **(Ger)**

[Studies on polyneuropathies from exposure to some adhesives (author's transl)] Battistini N, et al.
Riv Patol Nerv Ment 95(6):871-85, Dec 74 (Eng. Abstr.) **(Ita)**

[Change in the state of the organ of vision in workers engaged in the maufacture of trichloroethylene and chlorine] Korotkova LP, et al. **Gig Tr Prof Zabol** (3):46-7, Mar 76 **(Rus)**

ANALYSIS

Simultaneous determination of trichloroethylene and metabolites in blood and exhaled air by gas chromatography. Monster AC, et al.
Int Arch Occup Environ Health 35(2):155-63, 14 Aug 75

METABOLISM

Covalent interaction of metabolites of the carcinogen trichloroethylene in rat hepatic microsomes. Van Duuren BL, et al. **Cancer Res** 36(7 PT 1):2419-22, Jul 76

Exposure to trichloroethylene monitored by analysis of metabolites in blood and urine. Vesterberg O, et al.
J Occup Med 18(4):224-6, Apr 76

Methods for measuring trichloroethanol and trichloroacetic acid in blood and urine after exposure to trichloroethylene. Vesterberg O, et al. **Scand J Work Environ Health** 1(4):243-8, Dec 75

PHARMACODYNAMICS

Behaviour of rats exposed to trichloroethylene vapour. Silverman AP, et al. **Br J Ind Med** 32(4):308-15, Nov 75

Effects of 1,1,1-trichloroethane administered by different routes and in different solvents on barbiturate hypnosis and metabolism in mice. Shan HC, et al.
J Toxicol Environ Health 1(5):807-16, May 76

[Psychomotor responses under standardized trichloroethylene load (author's transl)] Konietzko H, et al. **Arch Toxicol (Berl)** 33(2):129-39, 14 Feb 75 (Eng. Abstr.) **(Ger)**

[Dynamics of blood flow to the brain in parturients under the effect of analgesics] Rasstrigin NN, et al.
Akush Ginekol (Mosk) (7):47-51, Jul 75 (Eng. Abstr.) **(Rus)**

POISONING

1,1,1-trichloroethane: report of a fatal intoxication. Caplan YH, et al. **Clin Toxicol** 9(1):69-74, 1976

[Sudden death from ventricular fibrillation after voluntary inhalation of chlorothene in a mechanics apprentice] Gubéran E, et al. **Schweiz Med Wochenschr** 106(4):119-21, 24 Jan 76 (Eng. Abstr.) **(Fre)**

[Trichlorethylene-, carbon tetrachloride- and gasoline-intoxication in connection with arterio- and coronary sclerosis (author's transl)] Sorgo G.
Arch Toxicol (Berl) 35(4):295-318, 18 Aug 76 (Eng. Abstr.) **(Ger)**

[Biological measurements on humans as indices of exposure to trichloroethylene. Preliminary note] Gazzaniga G, et al. **Boll Soc Ital Biol Sper** 51(5):242-7, 15 Mar 75 **(Ita)**

[Comparative evaluation of the indices of the functional state of the liver of rats in trichlorethylene poisoning] Vissarionova VIa, et al. **Gig Tr Prof Zabol** (11):56-8, Nov 75 **(Rus)**

TOXICITY

Effects of alcohol, carbon monoxide and trichloroethylene exposure on mental capacity. Ettema JH, et al.
Int Arch Occup Environ Health 35(2):117-32, 14 Aug 75

Background information on trichloroethylene. Lloyd JW, et al. **J Occup Med** 17(9):603-5, Sep 75

[EEG changes under standardized trichloroethylene load (author's transl)] Konietzko H, et al.
Int Arch Occup Environ Health 35(3-4):257-64, 19 Sep 75 (Eng. Abstr.) **(Ger)**

2,4,5-TRICHLOROPHENOXYACETIC ACID

ANALOGS & DERIVATIVES

Gas-liquid chromatographic analysis of ethephon and fenoprop residues in apples and their decline before and after harvest. Cochrane WP, et al.
J Assoc Off Anal Chem 59(3):617-21, May 76

[An investigation of the ascorbic acid contents of endocrine glands of albino rats in the action of silvinite and technical potassium chloride] Novoselova LD. **Gig Sanit** (10):112-4, Oct 75 **(Rus)**

METABOLISM

Tissue localization of some teratogens at early and late gestation related to fetal effects. Dencker L.
Acta Pharmacol Toxicol [Suppl] (Kbh) 39(1):1-131, 1976

The renal handling of 2,4,5-trichlorophenoxy- acetic acid (2,4,5-T) in the dog. Hook JB, et al.
Food Cosmet Toxicol 14(1):19-23, Jan 76

Gaschromatographic studies on drug distribution and pharmacokinetics in pregnant mice and embryos. pp. 298-310. Gazith J.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

The dose-dependent pharmacokinetic profile of 2,4,5-trichlorophenoxy acetic acid following intravenous administration to rats. Sauerhoff MW, et al.
Toxicol Appl Pharmacol 36(3):491-501, Jun 76

PHARMACODYNAMICS

Distribution and effects of 2,4,5-trichlorophenoxyacetic acid in cells of Bacillus megaterium. Hicks GF Jr, et al.

Appl Microbiol 30(6):959–63, Dec 75
Teratogenic and toxicological effects of 2,4,5–trichlorophenoxyacetic acid in developing chick embryos. Strange JR, et al.
Bull Environ Contam Toxicol 15(6):682–8, Jun 76
Distribution and cytogenetic test of 2,4–D and 2,4,5–T phenoxyacetic acids in mouse blood tissues. Jenssen D, et al. **Chem Biol Interact** 14(3–4):279–89, Aug 76
Effects of a 2,4,5–T ester on early oogenesis, fertility and development in Drosophila melanogaster. Dävring L.
Hereditas 80(2):255–62, 1975
Liver enlargement induced by the herbicide 2,4,5–trichlorophenoxyacetic acid (2,4,5–T). Rip JW, et al.
J Agric Food Chem 24(2):245–50, Mar–Apr 76
Mechanism of action of hypolipidemic and herbicidal aryloxy acids. Gamble W. **J Theor Biol** 54(2):181–90, Oct 75
Sequential histopathologic, hematologic, and blood chemistry changes induced in mice by a technical and a purified preparation of 2,4,5–trichlorophenoxyacetic acid. Highman B, et al. **J Toxicol Environ Health** 1(3):469–84, Jan 76
In vitro uptake of organic ions by renal cortical tissue of rats treated acutely with 2,4,5–trichlorophenoxyacetic acid. Koschier FJ, et al. **Toxicol Appl Pharmacol** 35(2):355–64, Feb 76
[Study of the germ cell migration to the gonad buds of quail embryo after the action of 2,4,5–trichlorophenoxyacetic acid] Didier R. **C R Soc Biol (Paris)** 169(3):574–80, 1975 (Eng. Abstr.) **(Fre)**
[Study of the effect of the butyl ester of 2,4,5–T herbicide on the progency of experimental animals] Konstantinova TK. **Gig Tr Prof Zabol** (9):29–32, Sep 74 (Eng. Abstr.) **(Rus)**

TOXICITY

Bioassay of 2, 4, 5–trichlorophenoxyacetic acid for carcinogenicity in mice. Muranyi–Kovacs I, et al.
Br J Cancer 33(6):626–33, Jun 76
The evaluation of the safety of 2,4,5–T to birds in areas treated for vegetation control. Kenaga EE. **Residue Rev** 59:1–19, 1975 (36 ref.)
Teratogenic and toxicological examination of 2,4,5–trichlorphenoxyacetic acid in developing chick embryos. Strange JR, et al. **Toxicology** 6(1):35–40, Jun 76

TRICHOCEPHALIASIS see **TRICHURIASIS**

TRICHOCEPHALUS see under **TRICHURIS**

TRICHODERMA see under **MONILIALES**

TRICHODERMIN see under **SESQUITERPENES**

TRICHOMONAS

[New nutrient media for the diagnosis of trichomoniasis by the culture method] Bednova VN, et al.
Vestn Dermatol Venerol (11):37–40, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Cross–resistance of Trichomonads to 5–nitroimidazole–derivatives. Meingassner JG, et al.
Experientia 32(2):183–4, 15 Feb 76

ENZYMOLOGY

The purification and properties of a beta–N–acetylhexosaminidase from Trichomonas foetus. Edwards RG, et al. **Biochem J** 151(1):145–8, Oct 75
Trichomonas gallinae: charaterization and regulatory properties of lactic dehydrogenase. Betterton H, et al.
Exp Parasitol 40(1):25–32, Aug 76
Linkage–specific alpha–D–galactosidases from Trichomonas foetus: characterisation of the blood–group B–destroying enzyme as a 1, 3–alpha–galactosidase and the blood–group P1–destroying enzyme as a 1, 4–alpha–galactosidase. Yates AD, et al. **FEBS Lett** 60(2):281–5, 15 Dec 75

GROWTH & DEVELOPMENT

[Cultivation of Trichomonas gallinarum and Trichomonas tenax on a trimed medium] Tsvetkova A, et al.
Vet Med Nauki 12(10):83–7, 1975 (Eng. Abstr.) **(Bul)**

ISOLATION & PURIFICATION

[Study of the direct immunofluorescence method for the differentiation of trichomonad serotypes] Ryïgas EM.
Parazitologiia 9(3):278–84, May–Jun 75 (Eng. Abstr.) **(Rus)**

METABOLISM

An analysis of oxidative metabolism in Trichomonas gallinae. Betterton H, et al. **Comp Biochem Physiol [B]** 54(1):163–5, 1976

PATHOGENICITY

[Michaelis constants of neuraminidases of pathogenic and apathogenic microorganisms (author's transl)] Müller HE, et al. **Z Naturforsch [C]** 30(3):417–9, May–Jun 75 (Eng. Abstr.) **(Ger)**
[Pathogenicity of T. foetus after various periods of storage] Kazeev RV, et al. **Veterinariia** (6):90–3, Jun 75 **(Rus)**

TRICHOMONAS INFECTIONS

[Pathogenic action and sero–immunologic phenomena of Trichomonas vaginalis] Dellamonica P, et al.
J Gynecol Obstet Biol Reprod (Paris) 5(4):475–81, Jun 76 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Ulcerative balanitis in the course of trichomoniasis] Biernat A, et al. **Pol Tyg Lek** 31(20):857–8, 17 May 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Results of the comparative laboratory diagnosis of trichomonosis in men] Bednova VN, et al.
Vestn Dermatol Venerol (8):45–50, Aug 75 **(Rus)**
[New nutrient media for the diagnosis of trichomoniasis by the culture method] Bednova VN, et al.
Vestn Dermatol Venerol (11):37–40, Nov 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Clinical evaluation of a single dose of tinidazole in trichomoniasis. Ali SE. **Curr Ther Res** 18(5):669–72, Nov 75
[Treatment of urogenital trichomoniasis with Fasigyn] Dellenbach P, et al.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):369–71, 1972 **(Fre)**
[Single–dose treatment with simplotan 500—progress in the therapy of urogeintal trichomoniasis] Wimmer R.
Z Allgemeinmed 51(16):769–70, 10 Jun 75 **(Ger)**
[A new antitrichomonal agent, tinidazole] Di Carlo R.
G Batteriol Virol Immunol 67(7–12):257–72, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Trichomonas vaginalis in a perinephric abscess. A case report. Suriyanon V, et al. **Am J Trop Med Hyg** 24(5):776–80, Sep 75

OCCURRENCE

[Kinetics of trichomonas infection epidemiology as a function of the age and number of women employed in factories] Kwoczyński MZ. **Wiad Parazytol** 22(2):129–36, 1976 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Cervical cytology in genital infection. Atia WA, et al.
Br J Vener Dis 51(5):331–2, Oct 75
[Morphologic changes in the superior region of the sex organs of rats following intrauterine inoculation with Trichomonas vaginalis] Stoilov L, et al. **Akush Ginekol (Sofiia)** 13(6):471–8, 1974 (Eng. Abstr.) **(Bul)**
[Study of the effect of the enzyme hyaluronidase on the pathomorphological changes in certain internal organs in white mice infected intraperitoneally with Tr. vaginalis] Pelova N, et al. **Eksp Med Morfol** 17(4):218–24, 1975 (Eng. Abstr.) **(Bul)**

VETERINARY

Effect of virulent Trichomonas gallinae on the band–tailed pigeon. Stabler RM, et al. **J Wildl Dis** 11(4):482–3, Oct 75

TRICHOMONAS VAGINALIS

[Pathogenic action and sero–immunologic phenomena of Trichomonas vaginalis] Dellamonica P, et al.
J Gynecol Obstet Biol Reprod (Paris) 5(4):475–81, Jun 76 (Eng. Abstr.) **(Fre)**

CYTOLOGY

An investigation into the effect of metronidazole on the morphology of Trichomonas vaginalis. Ings RM, et al.
J Antimicrob Chemother 1(1):121–6, Mar 75

DRUG EFFECTS

In vitro effect of metronidazole on the ultrastructure of Trichomonas vaginalis donné. Nielsen MH.
Acta Pathol Microbiol Scand [B] 84(2):93–100, Apr 76
[Disparaged leukorrhea and resistant forms of Trichomonas vaginalis] Hainaux H.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):367–9, 1972 **(Fre)**
[A new antitrichomonal agent, tinidazole] Di Carlo R.
G Batteriol Virol Immunol 67(7–12):257–72, Jul–Dec 74 (Eng. Abstr.) **(Ita)**
[Biological and clinical effects of methylpartricin on Trichomonas vaginalis and Candida albicans] Perju A, et al. **Minerva Ginecol** 27(9):733–8, Sep 75 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Development of trichomonas vaginalis upon a medium 'Trimed' containing serum of various animal origin. Jankov N, et al. **Folia Med (Plovdiv)** 16(5–6):287–90, 1974

IMMUNOLOGY

Interaction of poly i:c with the cell membrane in trichomonas vaginalis. Pugliese A, et al. **G Batteriol Virol Immunol** 67(7–12):193–8, Jul–Dec 74

ISOLATION & PURIFICATION

Trichomonas vaginalis in a perinephric abscess. A case report. Suriyanon V, et al. **Am J Trop Med Hyg** 24(5):776–80, Sep 75
An epidemiological survey of N. gonorrhoeae, Trichomonas vaginalis and Candida albicans in female venereological patients. pp. 95–6. Eriksson G, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.
Mixed microbial aetiology in sexually transmitted diseases. pp. 89–94. Wallin J, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.
Comparison of four techniques for the routine diagnosis of Trichomonas vaginalis infection. Mason PR, et al.
J Clin Pathol 29(2):154–7, Feb 76 (22 ref.)
[Leukorrhea] Gauert B. **Z Aerztl Fortbild (Jena)** 69(18):975–9, 15 Sep 75 **(Ger)**

METABOLISM

Uptake of metronidazole and its effect on viability in trichomonads and Entamoeba invadens under anaerobic and aerobic conditions. Müller M, et al.
Antimicrob Agents Chemother 9(4):696–700, Apr 76
Involvement of a surface concanavalin A–binding glycoprotein in the adhesion of Trichomonas vaginalis to substrates. Cappuccinelli P, et al. **Experientia** 31(10):1157–9, 15 Oct 75

PATHOGENICITY

[Histological study of extirpated cervices uteri injected with a pure culture of Trichomonas vag. Donné] Karag'ozov I, et al. **Akush Ginekol (Sofiia)** 14(1):63–5, 1975 (Eng. Abstr.) **(Bul)**
[Study of the effect of the enzyme hyaluronidase on the pathomorphological changes in certain internal organs in white mice infected intraperitoneally with Tr. vaginalis] Pelova N, et al. **Eksp Med Morfol** 17(4):218–24, 1975 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Use of solid medium techniques to evaluate factors affecting the ability of Trichomonas vaginalis to survive freezing. Ivey MH. **J Parasitol** 61(6):1101–3, Dec 75
[The action of prostatic secretion on trichomonas vaginalis (author's transl)] Staňková I, et al. **Cas Lek Cesk** 115(26):792–5, 2 Jul 76 (Eng. Abstr.) **(Cze)**

ULTRASTRUCTURE

The fine structure of cells of Trichomonas vaginalis Donné obtained from the exponential phase of growth and from stationary cultures. Nielsen MH.
Acta Pathol Microbiol Scand [B] 84(4):205–16, Aug 76
The ultrastructure of Trichomonas vaginalis donné before and after transfer from vaginal secretion to Diamonds medium. Nielsen MH.
Acta Pathol Microbiol Scand [Suppl] 83(6):581–9, Dec 75
Further studies of Trichomonas Vaginalis with transmission and scanning electron microscopy. Ovčinnikov NM, et al.
Br J Vener Dis 51(6):357–75, Dec 75
The size, density, and relative area of chromatic granules ('hydrogenosomes') in Trichomonas vaginalis Donne from cultures in logarithmic and stationary growth. Nielsen MH, et al. **Cell Tissue Res** 167(4):461–5, 9 Apr 76
The effect of metronidazole and nitrofurans on the morphology of Trichomonas vaginalis. Buchner Y, et al.
J Antimicrob Chemother 1(2):229–34, Jun 75
[Ultrastructure and certain biological properties of Trichomonas vaginalis (electron–microscopic study)] Ovchinnikov NM, et al. **Akush Ginekol (Mosk)** (5):45–8, May 75 (Eng. Abstr.) **(Rus)**
[Current concepts of the morphology and some biochemical properties of vaginal trichomonads] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** (8):50–5, Aug 75 (Eng. Abstr.) **(Rus)**

TRICHOMONAS VAGINITIS

[Leukorrhea] Gauert B. **Z Aerztl Fortbild (Jena)** 69(18):975–9, 15 Sep 75 **(Ger)**

COMPLICATIONS

Trichomonas vaginalis in a perinephric abscess. A case report. Suriyanon V, et al. **Am J Trop Med Hyg** 24(5):776–80, Sep 75
Trichomonas vaginitis and Escherichia coli urinary infection in a newborn infant. Postlethwaite RJ.
Clin Pediatr (Phila) 14(9):866–7, Sep 75
Dysuria in women. Dans PE, et al.
Johns Hopkins Med J 138(1):13–18, Jan 76
[Coexistence of candidiasis and trichomoniasis in women prior to and following treatment for trichomoniasis] Ostrzeński A. **Pol Tyg Lek** 30(42):1747–9, 20 Oct 75 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Comparison of four techniques for the routine diagnosis of Trichomonas vaginalis infection. Mason PR, et al. **J Clin Pathol** 29(2):154–7, Feb 76 (22 ref.)

A method for the diagnosis of Trichomonas vaginalis using acridine orange. Fripp PJ, et al. **J Parasitol** 61(5):966–7, Oct 75

[Method of immunofluorescence reaction with blood in the diagnosis of urogenital trichmoniasis in women] Zil'man SL. **Vestn Dermatol Venerol** (6):38–40, Jun 75 (Eng. Abstr.) **(Rus)**

[Some aspects of trichomoniasis] Masin G, et al. **God Zb Med Fak Skopje** 20:425–8, 1974 (Eng. Abstr.) **(Ser)**

[Diagnosis of trichomoniasis and moniliasis by the method of Papnicolaou] de LARIOS NM, et al. **Ginecol Obstet Mex** 39(236):441–5, Jun 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Nimorazole in trichomonal vaginitis. Chandramani S. **Br J Clin Pract** 29(5):114, May 75

Two-day treatment of trichomoniasis in the female. Comparison of metronidazole and nimorazole. Hayward MJ, et al. **Br J Vener Dis** 52(1):63–4, Feb 76

Treatment of trichomoniasis in the female. A comparison of metronidazole and nimorazole. Roy RB, et al. **Br J Vener Dis** 51(4):281–4, Aug 75

A soluble mepartricin complex (SPA–S–222) of potential oral and parenteral utility in fungal and protozoal infections. Bruzzese T, et al. **Farmaco [Sci]** 31(4):291–6, Apr 76

Letter: Alternatives to metronidazole. Komaroff AL, et al. **JAMA** 235(19):2081–2, 10 May 76

Single dose therapy of trichomoniasis with tinidazole. Sarwar N, et al. **JPMA** 26(2):26–8, Feb 76

Gyne-lotrimin for vaginal infections. **Med Lett Drugs Ther** 18(16):66–7, 30 Jul 76

Letter: Single-dose metronidazole for trichomonal vaginitis: a follow-up. Dykers JR Jr. **N Engl J Med** 295(7):395–6, 12 Aug 76

The treatment of trichomonas and candida vaginitis with clotrimazole vaginal tablets. Legal HP. **Postgrad Med J** 50 Suppl 1:81–3, Jul 74

Treatment of candidiasis and trichomoniasis of the female genital tract. Lohmeyer H. **Postgrad Med J** 50 Suppl 1:78–9, Jul 74

Treatment of trichomonal vaginitis with single dose tinidazole (Fasigyn). Akinla O, et al. **West Afr J Pharmacol Drug Res** 2(1):31–7, Jun 75

Single dose treatment of Trichomonas vaginalis with tinidazole (Fasigyn). Burkett G, et al. **West Indian Med J** 24(4):179–81, Dec 75

[Treatment of urogenital trichomoniasis with Fasigyn] Dellenbach P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):369–71, 1972 **(Fre)**

[Disparaged leukorrhea and resistant forms of Trichomonas vaginalis] Hainaux H. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):367–9, 1972 **(Fre)**

[New acquisitions in the therapy of Trichomonas vaginalis vaginitis] Sandront-Degée M, et al. **Rev Med Liege** 30(17):560–2, 1 Sep 75 **(Fre)**

[Ambulatory therapy of trichomoniasis vaginalis. Clinical trial of a new Trichomonas-active azide substance] Hartung F. **Fortschr Med** 94(16):339–42, 19 Feb 76 (Eng. Abstr.) **(Ger)**

[The one-dose-therapy of the Trichomonas colpitis with tinidazole] Djahangiri MH. **Munch Med Wochenschr** 118(2):47–8, 9 Jan 76 **(Ger)**

[A new and simple method for the treatment of Trichomonas vaginalis infestation (author's transl)] Soyka E. **Ther Umsch** 32(9):599–602, Sep 75 (Eng. Abstr.) **(Ger)**

[Intravaginal infection of the rat with Trichomonas vaginalis and Candida albicans. An experimental model for chemotherapy (author's transl)] Meingassner JG, et al. **Tropenmed Parasitol** 26(4):395–8, Dec 75 **(Ger)**

[Treatment of Trichomonas vulvovaginitis with alpha-tenoyl-amino-2-nitro-5-thiazole and of mycoses with nystatin] Fortuna A. **Minerva Ginecol** 27(9):739–43, Sep 75 (Eng. Abstr.) **(Ita)**

[Local treatment of vaginitis due to T. vaginalis. Comparative studies on methyl-partricin and metronidazole] Iannino A, et al. **Minerva Ginecol** 27(11):929–32, Nov 75 (Eng. Abstr.) **(Ita)**

[Biological and clinical effects of methylpartricin on Trichomonas vaginalis and Candida albicans] Perju A, et al. **Minerva Ginecol** 27(9):733–8, Sep 75 (Eng. Abstr.) **(Ita)**

[Treatment of trichomonas vaginitis with oral tinidazole (Fasigyn)] Svindland HB. **Tidsskr Nor Laegeforen** 95(25):1410–1, 10 Sep 75 (Eng. Abstr.) **(Nor)**

[Treatment of trichomonas vaginitis with a single dose of tinidasole] Marianowski J. **Ginekol Pol** 47(3):317–8, Mar 76 (Eng. Abstr.) **(Pol)**

[Results of complex treatment of trichomoniasis with the use of shock doses of trichopol] Turanova EN, et al. **Akush Ginekol (Mosk)** (10):52–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Experiences with canesten in treating mycotic infections of the vagina (author's transl)] Kliment V, et al. **Bratisl Lek Listy** 65(2):154–6, 1976 (Eng. Abstr.) **(Slo)**

[Single-day treatment of trichomoniasis] Rubio-Lotvin B, et al. **Ginecol Obstet Mex** 39(236):453–6, Jun 76 (Eng. Abstr.) **(Spa)**

[Mepartycin in vaginitis] Súcar Tanús J, et al. **Ginecol Obstet Mex** 39(236):447–51, Jun 76 (Eng. Abstr.) **(Spa)**

[Management of trichomoniasis in cases of doubtful cytology and its cytological and colposcopic clarification. Therapeutic test of a new combined nitromidazolic derivative (Naxogin Erba)] Aruta J, et al. **Rev Chil Obstet Ginecol** 38(3):118–20, 1973 **(Spa)**

[Treatment of genital flux. Gonorrhea and trichomoniasis] Foix A. **Rev Chil Obstet Ginecol** 40(1):27–31, 1975 **(Spa)**

IMMUNOLOGY

Antitrichomonal antibody in the vaginal secretions of women infected with T. vaginalis. Ackers JP, et al. **Br J Vener Dis** 51(5):319–23, Oct 75

MICROBIOLOGY

[Cultivation utilized for the diagnosis of trichomoniasis (author's transl)] Rosolová H, et al. **Cesk Gynekol** 40(8):599–602, Sep 75 (Eng. Abstr.) **(Cze)**

OCCURRENCE

The incidence of vaginal candida and trichomonas infections and treatment of trichomonas vaginitis with clotrimazole. Schnell JD. **Postgrad Med J** 50 Suppl 1:79–81, Jul 74

[Prevalence and treatment of trichomoniasis urogenitalis in rural practice] Franke H. **Z Allgemeinmed** 51(7):328–30, 10 Mar 75 **(Ger)**

[Incidence of the Blastomyces and Trichomonad infections during the use of hormonal and intrauterine contraception] Birnbaum H, et al. **Zentralbl Gynaekol** 97(26):1636–40, 1975 (Eng. Abstr.) **(Ger)**

[Epidemiological study of trichomonas vaginitis in Umbria] Boncio L, et al. **Ann Sclavo** 17(2):243–7, Mar–Apr 75 **(Ita)**

[Trichomoniasis in girls] Pasyk K. **Pediatr Pol** 51(5):543–8, May 76 (Eng. Abstr.) **(Pol)**

[Epidemiological aspect of trichomonas vaginitis in women with sexual organ transposition who are employed in industry and agriculture] Pilawski Z, et al. **Wiad Parazytol** 22(2):121–7, 1976 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Histological study of extirpated cervices uteri injected with a pure culture of Trichomonas vag. Donné] Karag'ozov I, et al. **Akush Ginekol (Sofiia)** 14(1):63–5, 1975 (Eng. Abstr.) **(Bul)**

TRANSMISSION

Study of female babies of women entering confinement with vaginal trichomoniasis. Bramley M. **Br J Vener Dis** 52(1):58–62, Feb 76

Letter: Fomites in vaginitis. Sparks RA. **Can Med Assoc J** 115(1):19, 3 Jul 76

[Trichomonas vaginalis infections due to use of public swimming pools] Piekarski G, et al. **Immun Infekt** 1(1):22–5, Oct 73 (Eng. Abstr.) **(Ger)**

TRICHOMYCIN

ANALYSIS

Comparison of candicidin, levorin and trichomycin by means of high-performance liquid chromatography. Hansen SH, et al. **J Chromatogr** 123(1):205–11, 21 Jul 76

TRICHOPAL see **METRONIDAZOLE**

TRICHOPHYTIN

An evaluation of delayed hypersensitivity in guinea pigs to various trichophytin preparations. Kaaman T, et al. **Acta Derm Venereol (Stockh)** 56(4):283–7, 1976

TRICHOPHYTON

Trichophyton violaceum infection in an Indian school. Kamalam A, et al. **Int J Dermatol** 15(2):136–9, Mar 76

Equine ringworm by Trichophyton verrucosum. Ichijo S, et al. **Jpn J Vet Sci** 37(4):407–11, Aug 75

[Tinea unguinum caused by Trichophyton tonsurans var. sulphureum] Kubec K, et al. **Cesk Dermatol** 50(6):383–5, Dec 75 (Eng. Abstr.) **(Cze)**

[Histopathological study on the course of a dermatophytic disease] Destombes P, et al. **Bull Soc Pathol Exot** 68(5):443–9, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Localization of solitary dermatophytic lesions in man] Otčenášek M, et al. **Hautarzt** 26(9):480–2, Sep 75 (Eng. Abstr.) **(Ger)**

[Exudative manifestation of mycosis caused by Trichophyton rubrum] Sheklakov ND, et al. **Klin Med (Mosk)** 53(6):131–4, Jun 75 **(Rus)**

[Species composition of dermatophytoses in Magnitogorsk from 1958 to 1973] Dvornikov MM, et al. **Vestn Dermatol Venerol** (11):31–3, Nov 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Is Arthroderma simii the perfect state of Trichophyton Quinckeanum? Weitzman I, et al. **Sabouraudia** 14(1):65–74, Mar 76

[A macroconidia-rich variant of Trichophyton rubrum] Balabanoff VA, et al. **Dermatol Monatsschr** 162(2):192–4, Feb 76 **(Ger)**

[Possibilities in the serological differentiation of Trichophyton rubrum species] Otčenášek M, et al. **Dermatol Monatsschr** 161(3):196–200, Mar 75 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Fungitoxicity of 1,4-naphthoquinones to Candida albicans and Trichophyton mentagrophytes. Gershon H, et al. **Can J Microbiol** 21(9):1317–21, Sep 75

New antifungal substance from Alpinia officinarum Hance. Ray PG, et al. **Indian J Exp Biol** 13(4):409, Jul 75

On the fungitoxicity of some new thiocyanatopyrazole derivatives: electron microscopical study in Trichophyton mentagrophytes. Vannini GL, et al. **Mycopathologia** 58(1):39–47, 4 Jun 76

GROWTH & DEVELOPMENT

The effect of temperature and humidity on the growth of Trichophyton mentagrophytes spores on human stratum corneum in vitro. Knight AG. **Clin Exp Dermatol** 1(2):159–62, Jun 76

Culture of Trichophyton verrucosum in a liquid medium. Wawrzkiewicz K. **Mykosen** 19(2):55–62, Feb 76

IMMUNOLOGY

Studies of the antigenic structure of Trichophyton rubrum, Trichophyton mentagrophytes, Microsporon canis, and Epidermophyton floccosum by crossed immuno-electrophoresis. Christiansen AH, et al. **Acta Pathol Microbiol Scand [C]** 84(4):337–41, Aug 76

[Study of the neutrophil damage reaction in patients with mycoses] Stepanova ZhV. **Vestn Dermatol Venerol** (8):41–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Immunological interrelationship between Trichophyton faviforme and T. gypseum] Rasulev ShT, et al. **Veterinariia** (11):33–5, Nov 75 **(Rus)**

ISOLATION & PURIFICATION

Mycetoma of the scalp in an aboriginal child. Frey D, et al. **Australas J Dermatol** 17(1):7–9, Apr 76

Isolation of Trichophyton soudanense from a further five patients in Australia. Frey D. **Australas J Dermatol** 17(1):10, Apr 76

An epidemiological, clinical, and mycological study of human ringworm due to Trichophyton verrucosum in Japan. Takahashi S, et al. **J Dermatol (Tokyo)** 2(1):31–43, Mar 75

An outbreak of ringworm in karakul sheep caused by a physiological variant of Trichophyton verrucosum Bodin. Scott DB. **Onderstepoort J Vet Res** 42(1):49–52, Mar 75

Scalp ringworm among Black children in South Africa and the occurrence of Trichophyton yaoundei. Young CN. **S Afr Med J** 50(18):705–7, 24 Apr 76

Trichophyton simii infection. Kamalam A, et al. **Trans St Johns Hosp Dermatol Soc** 60(1):73–6, 1974

[Occurrence of keratinophilic fungi on inanimate organic material in the surroundings of calves infected by Trichophyton verrucosum] Klobušický M, et al. **Mykosen** 19(4):124–7, Apr 76 (Eng. Abstr.) **(Ger)**

[Causative agents of dermatomycosis in horses] Petrovich SV. **Veterinariia** (10):49–51, Oct 75 **(Rus)**

METABOLISM

Proceedings: The production of antibiotics by Trichophyton and Epidermophyton species. Noble WC, et al. **Br J Dermatol** 95 Suppl 24:16–7, Jul 76

The effect of microbial mycolytic agents on Trichophyton rubrum. Moore GS, et al. **Mycopathologia** 57(2):93–8, 23 Dec 75

Sulphitolysis in keratinolysi. Biochemical proof. Ruffin P, et al. **Sabouraudia** 14(2):181–4, Jul 76

PATHOGENICITY

[Tinea unguinum caused by Trichophyton tonsurans var. sulphureum] Kubec K, et al. **Cesk Dermatol** 50(6):383–5, Dec 75 (Eng. Abstr.) **(Cze)**

[Ultrastructural cytopathology of the mycotic process caused by Trichophyton rubrum in the dynamics] Shetsiruli LT, et al. **Vestn Dermatol Venerol** (6):13–7, Jun 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Origin and ultrastructure of intra-hyphal hyphae in Trichophyton terrestre and T. rubrum. Farley JF, et al. **Arch Microbiol** 106(3):195–200, 31 Dec 75

Fine structural characterization of microbodies and Woronin bodies in Trichophyton mentagrophytes. Vannini GL, et al. **Experientia** 31(8):949–51, 15 Aug 75

Heterokaryosis in Trichophyton mentagrophytes. Weigl E, et al. **Folia Biol (Praha)** 22(2):140–3, 1976

Isolation and characterization of the rodlet layer of Trichophyton mentagrophytes microconidial wall. Hashimoto T, et al. **J Bacteriol** 127(3):1543–9, Sep 76

Trichophyton rubrum and T. mentagrophytes studied by freeze-etching. Hasegawa T. **Sabouraudia** 13(3):241–3, Nov 75

[The mycelial wall of Trichophyton mentagrophytes; ultrastructural study of its constitutive layers following the use of a method to demonstrate polysaccharides] Poulain D, et al. **Sabouraudia** 13(3):244–54, Nov 75 (Eng. Abstr.) **(Fre)**

[The effect of econazole on the fine structure of Trichophyton rubrum cells] Preusser HJ. **Mykosen** 18(11):453–65, Nov 75 (Eng. Abstr.) **(Ger)**

TRICHOPHYTOSIS see **TINEA**

TRICHOSTRONGYLOIDEA

Experimental production of osteoporosis in growing lambs by continuous dosing with Trichostrongylus colubriformis larvae. Sykes AR, et al. **J Comp Pathol** 85(4):549–59, Oct 75

Trichostrongylus witenbergi sp. nov. Nematoda; Trichostrongylidae. Neuman M. **Zentralbl Bakteriol [Orig A]** 231(4):559–61, May 75

ANALYSIS

Observations on crystals found in the intestine of Nematodirus battus during the development of immunity to this nematode in lambs. Martin J, et al. **Parasitology** 72(1):75–80, Feb 76

ANATOMY & HISTOLOGY

Trichostrongylus witenbergi sp. nov. Nematoda; Trichostrongylidae. Neuman M. **Zentralbl Bakteriol [Orig A]** 231(4):559–61, May 75

[On three Trichostrongylides Nematodes parasites of the Tupaiidae] Durette-Desset MC, et al. **Ann Parasitol Hum Comp** 50(2):173–85, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Parasites of the relict fauna of Ceylon. V. New species of nematodes from uropeltid snakes. Crusz H, et al. **Ann Parasitol Hum Comp** 50(3):339–49, May–Jun 75

Ecological comparative analysis of parasite fauna of Rutilus rutilus L. and Coregonus albula L. from waters of the European part of the Arctic Ocean Province. Rumyantsev EA. **Folia Parasitol (Praha)** 22(4):337–40, 1975

[Trichostrongyloidea nematodes, parasites of Microchiroptera] Durette-Desset MC, et al. **Ann Parasitol Hum Comp** 50(3):303–37, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Helminths of birds and mammals from Israel. VI. The taxonomy and ecology of Trichostrongylid Nematodes (author's transl)] Wertheim G, et al. **Ann Parasitol Hum Comp** 50(6):735–62, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Trichostrongylus lerouxi n. sp., parasite of Bos taurus] Biocca E, et al. **Parassitologia** 16(2–3):199–207, Aug–Dec 74 **(Fre)**

DRUG EFFECTS

Resistance of selected lines of Haemonchus contortus to thiabendazole, morantel tartrate and levamisole. Le Jambre LF, et al. **Int J Parasitol** 6(3):217–22, Jun 76

Cross-resistance to other anthelmintics in an experimentally produced cambendazole-resistant strain of Haemonchus contortus in lambs. Colglazier ML, et al. **J Parasitol** 61(4):778–9, Aug 75

ENZYMOLOGY

Phenotypic differences in female Ostertagia circumcincta as demonstrated by isozymes hydrolyzing alpha-naphthyl acetate. Baker NF, et al. **Am J Vet Res** 37(3):325–7, Mar 76

Zinc as a co-factor for an enzyme involved in exsheathment of Haemonchus contortus. Rogers WP, et al. **Int J Parasitol** 6(4):315–9, Aug 76

Effect of cambendazole, thiabendazole, and levamisole on fumarate reductase in cambendazole-resistant and -sensitive strains of Haemonchus contortus. Romanowski RD, et al. **J Parasitol** 61(4):777–8, Aug 75

GROWTH & DEVELOPMENT

The ecology of the free-living stages on Haemonchus contortus. Gibson TE, et al. **Br Vet J** 132(1):50–9, Jan–Feb 76

The effect of genetic factors on the vulval flap of Ostertagia ostertagi. Michel JF, et al. **Int J Parasitol** 6(1):83–6, Feb 76

Observations on the resumed development of arrested Ostertagia ostertagi in naturally infected yearling cattle. Michel JF, et al. **J Comp Pathol** 86(1):73–80, Jan 76

Influence of potassium ion and osomtic pressure on development of Haemonchus contortus in vitro. Sommerville RI. **J Parasitol** 62(2):242–6, Apr 76

The seasonal occurrence of inhibited abomasal nematodes in young sheep. McKenna PB. **NZ Vet J** 22(11):214–7, Nov 74

Observations on the development of Haemonchus contortus in young sheep given a single infection. Coadwell WJ, et al. **Parasitology** 71(3):505–15, Dec 75

Inhibited development in Haemonchus contortus. Connan RM. **Parasitology** 71(2):239–46, Oct 75

Field studies on inhibition of Haemonchus contortus. Waller PJ, et al. **Parasitology** 71(2):285–91, Oct 75

The ecology of the free living stages of Nematodirus filicollis. Gibson TE, et al. **Res Vet Sci** 20(2):158–61, Mar 76

[Course of the parasite phase of development of Trichostrongylus axei (Cobbold, 1879) Railliet et Henry, 1909, in the domestic rabbit] Haupt W, et al. **Arch Exp Veterinaermed** 29(1):129–34, 1975 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Haemonchus contortus infection in ewes: blastogenic responses of peripheral blood leukocytes to third stage larval antigen. Chen P, et al. **Int J Parasitol** 6(2):135–41, Apr 76

Studies of the responses of basophil and eosinophil leucocytes and mast cells to the nematode Trichostrongylus colubriformis. II. Changes in cell numbers following infection of thymectomised and adoptively or passively immunised guinea-pigs. Rothwell TL, et al. **J Pathol** 116(3):183–94, Jul 75

Preliminary results using metabolites and in vitro grown larvae of Ostertagia circumcincta to immunise lambs against oral challenge. Rose JH. **Res Vet Sci** 21(1):76–8, Jul 76

ISOLATION & PURIFICATION

The survival of eggs and infective larvae of Ostertagia ostertagi and Cooperia oncophora in solid cattle manure and urine. Persson L. **Zentralbl Veterinaermed [B]** 21(9):677–91, Sep 74

PATHOGENICITY

Native resistance of Peromyscus maniculatus to Nematospiroides dubius infection. Hepler DI, et al. **Experientia** 32(3):386–7, 15 Mar 76

The use of disophenol in studies of the pathogenicity of the arrested fourth-stage larvae of Haemonchus contortus in the sheep. Sinclair KB, et al. **Res Vet Sci** 19(2):232–4, Sep 75

PHYSIOLOGY

Effect of temperature on survival of free-living stages of Haemonchus contortus. Todd KS Jr, et al. **Am J Vet Res** 37(8):991–2, AUG 76

Effect of desiccation on the survival of infective Haemonchus contorus larvae under laboratory conditions. Todd KS, et al. **J Parasitol** 62(2):247–9, Apr 76

ULTRASTRUCTURE

A method of collecting and processing nematode larvae for electron microscopy. Smith K. **J Microsc (Oxf)** 105(2):229–32, Nov 75

TRICHOSTRONGYLOIDIASIS

Phenotypic differences in female Ostertagia circumcincta as demonstrated by isozymes hydrolyzing alpha-naphthyl acetate. Baker NF, et al. **Am J Vet Res** 37(3):325–7, Mar 76

COMPLICATIONS

Experimental production of osteoporosis in growing lambs by continuous dosing with Trichostrongylus colubriformis larvae. Sykes AR, et al. **J Comp Pathol** 85(4):549–59, Oct 75

ETIOLOGY

IgE formation in the rat following infection with Nippostrongylus brasiliensis. I. Proliferation and differentiation of IgE-bearing cells. Ishizaka T, et al. **Cell Immunol** 22(2):248–61, 15 Mar 76

IMMUNOLOGY

Immunity to parasites (helminths and arthropods). pp. 127–35. Ogilvie BM. **In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.** (43 ref.)

Studies of the responses of basophil and eosinophil leucocytes and mast cells to the nematode Trichostrongylus colubriformis. I. Observations during the expulsion of first and second infections by guinea-pigs. Rothwell TL. **J Pathol** 116(1):51–60, May 75

Studies of the responses of basophil and eosinophil leucocytes and mast cells to the nematode Trichostrongylus colubriformis. II. Changes in cell numbers following infection of thymectomised and adoptively or passively immunised guinea-pigs. Rothwell TL, et al. **J Pathol** 116(3):183–94, Jul 75

METABOLISM

Food intake and utilization by growing lambs with parasitic damage to the abomasum or small intestine. Sykes AR, et al. **Proc Nutr Soc** 35(1):13A–14A, May 76

OCCURRENCE

Present status of trichostrongyliasis in Iran. Ghadirian E, et al. **Am J Trop Med Hyg** 24(6 Pt 1):935–41, Nov 75

PARASITOLOGY

The effect of genetic factors on the vulval flap of Ostertagia ostertagi. Michel JF, et al. **Int J Parasitol** 6(1):83–6, Feb 76

PATHOLOGY

Studies of the responses of basophil and eosinophil leucocytes and mast cells to the nematode Trichostrongylus colubriformis. Ultrastructural changes in basophils and eosinophils at the site of infection. Huxtable CR, et al. **Aust J Exp Biol Med Sci** 53(6):437–45, Dec 75

VETERINARY

The epidemiology of trichostrongylid infections in young cattle in Norway. Tharaldsen J. **Acta Vet Scand [Suppl]** (61):1–21, 1976

Alkaline phosphatase activities in intestinal mucosa from calves infected with Cooperia punctata and Eimeria bovis. Benz GW, et al. **Am J Vet Res** 37(8):895–9, Aug 76

Attempts to produce protection against Ostertagia ostertagi in cattle. Herlich H. **Am J Vet Res** 37(1):61–4, Jan 76

The effect of oral cambendazole against 10-day-old Hyostrongylus rubidus and Oesophagostomum spp. larvae in experimentally-infected pigs. Taffs LF. **Br Vet J** 132(1):105–11, Jan–Feb 76

Haemonchosis in a captive muskox calf. MacDonald DW, et al. **Can Vet J** 17(5):138–9, May 76

The passive transfer of humoral immunity from sows infected with Hyostrongylus rubidus (Hassal and Stiles, 1892), the red stomach worm, to their offspring and its significance in the conferring of protective immunity. Smith HV, et al. **Immunology** 30(2):213–9, Feb 76

Haemonchus contortus infection in ewes: blastogenic responses of peripheral blood leukocytes to third stage larval antigen. Chen P, et al. **Int J Parasitol** 6(2):135–41, Apr 76

Average daily gain and feed efficiency of lambs with low-level trichostrongylid burdens. Bergstrom RC, et al. **J Anim Sci** 41(2):513–6, Aug 75

Effect of different levels of intake of Ostertagia circumcincta larvae on the faecal egg counts and weight gain of lambs. Gibson TE, et al. **J Comp Pathol** 86(2):269–74, Apr 76

Observations on the resumed development of arrested Ostertagia ostertagi in naturally infected yearling cattle. Michel JF, et al. **J Comp Pathol** 86(1):73–80, Jan 76

Proceedings: Hypergastrinaemia during a parasitic gastritis in sheep. Anderson N, et al. **J Physiol (Lond)** 256(1):51P–52P, Mar 76

The resistance of a field strain of Haemonchus contortus to five benzimidazole anthelmintics in current use. Berger J. **J S Afr Vet Assoc** 46(4):369–72, Dec 75

Experimental Ostertagia infection of sheep: pathology following a single high dose of larvae. Durham PJ, et al. **NZ Vet J** 23(9):193–6, Sep 75

The seasonal occurrence of inhibited abomasal nematodes in young sheep. McKenna PB. **NZ Vet J** 22(11):214–7, Nov 74

Studies on Haemonchus contortus. I. The influence of previous exposure to Trichostrongylus axei on infestation with H. contortus. Reinecke RK. **Onderstepoort J Vet Res** 41(4):213–5, Dec 74

Effects of a series of infections of Ostertagia circumcincta on gastric secretion of sheep. Anderson N, et al. **Parasitology** 72(1):1–12, Feb 76

Observations on the development of Haemonchus contortus in young sheep given a single infection. Coadwell WJ, et al. **Parasitology** 71(3):505–15, Dec 75

Observations on crystals found in the intestine of Nematodirus battus during the development of immunity to this nematode in lambs. Martin J, et al. **Parasitology** 72(1):75–80, Feb 76

Field studies on inhibition of Haemonchus contortus. Waller PJ, et al. **Parasitology** 71(2):285–91, Oct 75

A possible relationship between haemonchosis and haemoglobin polymorphism in Merino sheep in Kenya. Allonby EW. **Res Vet Sci** 20(2):212–4, Mar 76

Epidemiological studies on Nematodirus species in sheep. Boag B, et al. **Res Vet Sci** 19(3):263–8, Nov 75

Preliminary results using metabolites and in vitro grown larvae of Ostertagia circumcincta to immunise lambs against oral challenge. Rose JH. **Res Vet Sci** 21(1):76–8, Jul 76

The use of disophenol in studies of the pathogenicity of the arrested fourth-stage larvae of Haemonchus contortus in the sheep. Sinclair KB, et al. **Res Vet Sci** 19(2):232–4, Sep 75

Correspondence: Treatment of bovine ostertagiasis. Armour J, et al. **Vet Rec** 97(10):188, 6 Sep 75

Some observations on the treatment of ostertagiasis. Cawley GD. **Vet Rec** 97(6):107–8, 9 Aug 75

The successful removal of inhibited fourth stage Ostertagia ostertagi larvae by fenbendazole. Duncan JL, et al. **Vet Rec** 98(17):342, 24 Apr 76

Efficacy of levamisole against inhibited larvae of Ostertagia spp in sheep. Reid JF, et al. **Vet Rec** 98(21):426–7, 22 May 76

Significance of serum pepsinogen and abomasal pH levels in a field infection of O circumcincta in lambs. Thomas RJ, et al. **Vet Rec** 97(24):468–71, 13 Dec 75

Prevalence and pathology of Hepatojarakus bandicoti Sood et Parshad, 1973 (Trichostrongylidae:Nematoda) in natural infections of rodents. Parshad VR, et al. **Z Parasitenkd**

49(2):139–44, 30 Apr 76
[Changes in the serum proteins in lambs experimentally infected with Haemonches contortus] Georgieva D, et al. **Vet Med Nauki** 12(9):61–5, 1975 (Eng. Abstr.) **(Bul)**
[Clinical course of Haemonchus infection in experimental invasion in lambs] Georgieva D, et al. **Vet Med Nauki** 12(1):69–75, 1975 (Eng. Abstr.) **(Bul)**
[Investigations concerning bovine gastro–intestinal strongyles. II. Seasonal variations in the herbage infestation with infective larvae (author's transl)] Henriksen SA, et al. **Nord Vet Med** 28(4–5):201–9, Apr–May 76 (Eng. Abstr.) **(Dan)**
[The serum pepsinogen analysis and its relation to bovine ostertagiasis (author's transl)] Jorgensen RJ, et al. **Nord Vet Med** 28(4–5):210–6, Apr–May 76 (Eng. Abstr.) **(Dan)**
[Inhibition of the development of larvae of Cooperia punctata and Cooperia pectinata in zebus of Niger] Graber M, et al. **Rev Elev Med Vet Pays Trop** 28(2):137, 1975 (Eng. Abstr.) **(Fre)**
[Course of the parasite phase of development of Trichostrongylus axei (Cobbold, 1879) Railliet et Henry, 1909, in the domestic rabbit] Haupt W, et al. **Arch Exp Veterinaermed** 29(1):129–34, 1975 (Eng. Abstr.) **(Ger)**
[Course of Trichostrongylus retortaeformis (Zeder, 1800) Looss, 1905, infestation in the domestic rabbit (Oryctolagus cuniculus)] Haupt W. **Arch Exp Veterinaermed** 29(1):135–41, 1975 (Eng. Abstr.) **(Ger)**
[Effect of Bay 2222 in the 'pour–on' method on Dictyocaulus and trichostronglides in cattle] Gerber HC, et al. **Berl Munch Tieraerztl Wochenschr** 88(7):124–7, 1 Apr 75 (Eng. Abstr.) **(Ger)**
[Invasiveness of wintering larvae of Ostertagia] Zhidkov AE. **Veterinariia** (2):61–3, Feb 76 **(Rus)**
[Anthelmintic effectiveness in trichostrongyloidiasis of sheep] Zhidkov AE, et al. **Veterinariia** (6):63–4, Jun 76 **(Rus)**

TRICHOSTRONGYLOSIS see under **TRICHOSTRONGYLOIDIASIS**

TRICHOTILLOMANIA see under **NEUROSES, OBSESSIVE–COMPULSIVE**

TRICHURIASIS

DIAGNOSIS

Algorithms in the diagnosis and management of exotic diseases. IX. Trichuriasis. Warren KS, et al. **J Infect Dis** 133(2):240–3, Feb 76

DRUG THERAPY

Therapeutic evaluation of oxantel pamoate (1, 4, 5, 6–tetrahydro–1–methyl–2–[trans–3–hydroxystyryl] pyrimidine pamoate) in severe Trichuris trichiura infection. Lee EL, et al. **Am J Trop Med Hyg** 25(4):563–7, Jul 76
Mebendazole in treatment of severe Trichuris trichiura infection in Malaysian children. Nagalingam I, et al. **Am J Trop Med Hyg** 25(4):568–72, Jul 76
Effectiveness of single doses of Fenbendazole Hoe 881 against Ascaris, hookworm and Trichuris in man. Bruch K, et al. **Ann Trop Med Parasitol** 70(2):205–11, Jun 76
Clinical effectiveness of mebendazole in the treatment of trichuriasis. Blechman MG. **Curr Ther Res** 18(6):800–3, Dec 75
Clinical trials with mebendazole a new broad spectrum anthelmintic. Vakil BJ, et al. **J Trop Med Hyg** 78(7):154–8, Jul 75
Experiencw with bitoscanate in hookworm disease and trichuriasis in Mexico. Biagi F. **Prog Drug Res** 19:23–7, 1975
The importance of mebendazole treatment in Trichuris trichiura infections. Lengyel A, et al. **Ther Hung** 23(2):60–3, 1975
[Vermox—another wide–spectrum preparation for the treatment of intestinal helminthoses] Ašmera J, et al. **Cesk Pediatr** 30(4):171–2, Apr 75 (Eng. Abstr.) **(Cze)**
[Anthihelminthic activity of pyrantel pamoate administered in mass treatment of an isolated population of the South Pacific] Gaxotte P, et al. **Bull Soc Pathol Exot** 68(5):491–6, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Use of bemosat in trichocephaliasis in children] Iufa Iuľa. **Pediatr Akush Ginekol** (2):24–5, Mar–Apr 76 **(Ukr)**

IMMUNOLOGY

Trichuris muris: effect of concurrent infections with rodent piroplasms on immune expulsion from mice. Phillips RS, et al. **Exp Parasitol** 39(1):95–100, Feb 76
Immunity to parasites (helminths and arthropods). pp. 127–35. Ogilvie BM.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.4. (43 ref.)
Suppression of the immune response to Trichuris muris in lactating mice. Selby GR, et al. **Parasitology** 71(1):77–85, Aug 75
Genetic control of immune responses to parasites: immunity to Trichuris muris in inbred and random–bred strains of mice. Wakelin D. **Parasitology** 71(1):51–60, Aug 75
Genetic control of immune responses to parasites: selection for responsiveness and non–responsiveness to Trichuris muris in random–bred mice. Wakelin D. **Parasitology** 71(3):377–84, Dec 75
Immune expulsion of Trichuris muris from resistant mice: suppression by irradiation and restoration by transfer of lymphoid cells. Wakelin D, et al. **Parasitology** 72(1):41–50, Feb 76

OCCURRENCE

Trichuriasis in Calcasieu Parish, Southwest Louisiana. Farhadian H, et al. **J La State Med Soc** 127(9):337–40, Sep 75

PARASITOLOGY

The relationship between Trichuris trichiura (Linnaeus 1758) of man and Trichuris suis (Schrank 1788) of the pig. Beer RJ. **Res Vet Sci** 20(1):47–54, Jan 76

VETERINARY

Letter: Isolation of Trichuris campanula von Linstow 1889 from Australian cats. Ng BK, et al. **Aust Vet J** 51(9):450–1, Sep 75
A comparative study of the histopathology of the large intestine of conventionally reared, specific pathogen free and gnotobiotic pigs infected with Trichuris suis. Hall GA, et al. **J Comp Pathol** 86(2):285–92, Apr 76

TRICHURIS

ANATOMY & HISTOLOGY

Trichuris bradleyi sp. n., a whipworm from Octodon degus in Chile. Babero BB, et al. **J Parasitol** 61(6):1061–3, Dec 75

ISOLATION & PURIFICATION

Letter: Isolation of Trichuris campanula von Linstow 1889 from Australian cats. Ng BK, et al. **Aust Vet J** 51(9):450–1, Sep 75
A new species of whipworm from the rodent Akodon longipilis in Chile. Babero BB, et al. **Trans Am Microsc Soc** 95(2):232–5, Apr 76

PATHOGENICITY

The relationship between Trichuris trichiura (Linnaeus 1758) of man and Trichuris suis (Schrank 1788) of the pig. Beer RJ. **Res Vet Sci** 20(1):47–54, Jan 76

TRICHUROIDEA

Anatrichosoma infection in two white–handed gibbons. Breznock AW, et al. **J Am Vet Med Assoc** 167(7):631–3, 1 Oct 75
Renal capillariasis in the small Indian mongoose, Herpestes auropunctatus. Huizinga HW, et al. **J Wildl Dis** 12(1):93–6, Jan 76
Letter: Capillaria infection in a pig. McKena PB, et al. **NZ Vet J** 23(10):242–3, Oct 75
[Capillaria hepatica infection of Mastomys natalensis: on the development, egg production and host reaction (author's transl)] Zahner H, et al. **Z Parasitenkd** 49(1):41–61, 31 Mar 76 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Capillaria infections of pigs: description of C. papuensis sp. n. and the pathology of natural infections. Copland JW. **J Helminthol** 49(3):187–90, Sep 75

CLASSIFICATION

Capillariids (Nematoda: Capillariidae) from passeriform birds of Nepal). Baruš V, et al. **Folia Parasitol (Praha)** 23(2):105–10, 1976
Acuariid, capillariid and hymenolepidid parasites of the dasyurid marsupial Antechinus stuartii Macleay, 1841, from southeastern Australia. Beveridge I, et al. **J Helminthol** 49(4):211–27, Dec 75
Capillaria procyonis sp. n. (Nematoda: Trichuridae) from the esophagus of the raccoon, Procyon lotor. Pence DB. **J Parasitol** 61(5):815–8, Oct 75

DRUG EFFECTS

[The effectiveness of anthelminitics against Capillaria hepaticaA1 Lämmler G, et al. **Berl Munch Tieraerztl Wochenschr** 89(11):222–5, 1 Jun 76 **(Ger)**
[The effectiveness of anthelmintics against Capillaria hepatica] Lämmler G, et al. **Berl Munch Tieraerztl Wochenschr** 89(12):229–33, 15 JUN 76 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Mebendazole in the treatment of intestinal capillariasis. Singson CN, et al. **Am J Trop Med Hyg** 24(6 Pt 1):932–4, Nov 75
Capillaria tridens (Dujardin !845) Travassos 1915, from wild turkeys (Meleagris gallopavo) in the southeastern United States. Davidson WR, et al. **J Parasitol** 61(6):1115, Dec 75
Capillariasis in wild rats of Indonesia. Brown RJ, et al. **Southeast Asian J Trop Med Public Health** 6(2):219–22, Jun 75
Capillaria hepatitis in the Indonesian house shrew, Suncus murinus. Brown RJ. **Southeast Asian J Trop Med Public Health** 6(4):599–601, Dec 75

TRICINE see under **GLYCINE**

TRICLOSAN see under **PHENYL ETHERS**

TRICUSPID VALVE

Thrombotic obstruction of Bjork–Shiley tricuspid valve prosthesis. Report of three cases reoperated with success. Azpitarte J, et al. **Acta Cardiol (Brux)** 30(6):419–26, 1975
The medium–term follow–up of Beall prosthetic valves in the mitral or nitro–tricuspid position. pp. 463–8. Rioux C, et al.
In: Kalmanson D, ed. The mitral value. Acton, Mass., Publishing Sciences Group, 1976. W3 IN924EH 1975m.
A comparative study between glutaraldehyde–preserved aortic and pulmonary heterograft valves in the tricuspid position in dogs. Okamura K, et al. **J Cardiovasc Surg (Torino)** 17(2):178–86, Mar–Apr 76
Malfunction of tricuspid valve prosthesis shown by isotope angiocardiography. Malcolm AD, et al. **J Thorac Cardiovasc Surg** 71(1):134–6, Jan 76
The diagnosis of organic tricuspid valve disease. Molloy PJ, et al. **NZ Med J** 82(550):257–61, 22 Oct 75
Jugular venous pulse recording in a patient without a tricuspid valve. Kleid JJ, et al. **Vasc Surg** 10(1):19–21, Jan–Feb 76
[Editorial: Pathology of the tricuspid valve] Casellas Bernat A. **Rev Esp Cardiol** 28(6):467–8, 1975 **(Spa)**

ABNORMALITIES

Relationships of the tricuspid valve to the membranous ventricular septum in Down's syndrome without endocardial cushion defect: study of 28 specimens, 14 with a ventricular septal defect. Rosenquist GC, et al. **Am Heart J** 90(4):458–62, Oct 75
Tricuspid atresia: clinical course in 101 patients. Dick M, et al. **Am J Cardiol** 36(3):327–37, Sep 75
Aneurysm of the atrial septum in tricuspid atresia: diagnosis during life and therapy. Freedom RM, et al. **Am J Cardiol** 38(2):265–7, Aug 76
Overriding tricuspid valve: echocardiographic and angiocardiographic features. LaCorte MA, et al. **Am J Cardiol** 37(6):911–9, May 76
Tricuspid atresia: results of treatment in 160 children. Williams WG, et al. **Am J Cardiol** 38(2):235–40, Aug 76
Palliation of tricuspid atresia. Potts–Smith, Glenn, and Blalock–Taussig shunts. Williams WG, et al. **Arch Surg** 110(11):1383–6, Nov 75
Proceedings: Tricuspid atresia—morphology and classification. Anderson RH, et al. **Br Heart J** 38(3):317, Mar 76
Proceedings: Tricuspid atresia – new hope with radical palliative surgery. Somerville J, et al. **Br Heart J** 37(7):782, Jul 75
Tricuspid atresia. Kronzon I, et al. **Chest** 68(6):818–9, Dec 75
Surgical palliation of tricuspid atresia. Kyger ER III, et al. **Circulation** 52(4):685–90, Oct 75
Left ventricular function in tricuspid atresia. Angiographic analysis in 28 patients. La Corte MA, et al. **Circulation** 52(6):996–1000, Dec 75
Tricuspid atresia. An anatomical study of 17 cases. Jiménez MQ, et al. **Eur J Cardiol** 3(4):337–48, Dec 75
Tricuspid atresia, hypoplastic right ventricle, intact ventricular septum and congenital absence of the pulmonary valve. Cox JN, et al. **Helv Paediatr Acta** 30(4–5):389–98, Jan 76
Proceedings: Palliation of tricuspid atresia. Williams WG, et al. **J Cardiovasc Surg (Torino)** 17(1):89, Jan–Feb 76
Nonoperative management of late failure of a Glenn anastomosis. Transvenous wafer occlusion of patent superior vena cava—right atrial junction. Bailey LL, et al. **J Thorac Cardiovasc Surg** 71(3):371–5, Mar 76
Anatomic variations in underdeveloped right ventricle related to tricuspid atresia and stenosis. Bharati S, et al. **J Thorac Cardiovasc Surg** 72(3):383–400, Sep 76
A different approach for the total correction of tricuspid atresia. Gago O, et al. **J Thorac Cardiovasc Surg** 72(2):209–14, AUG 76
Tricuspid valve prosthetic replacement. Early and late results with the Starr–Edwards prosthesis. Sanfelippo PM, et al. **J Thorac Cardiovasc Surg** 71(3):441–5, Mar 76
Two cases of left–sided tricuspid atresia with situs solitus L–bulboventricular loop and L–transposition of the great arteries. Sato T, et al. **Tohoku J Exp Med** 119(4):385–92, Aug 76
[Long–term observations following palliative surgery in tricuspid valve atresias] Keutel J, et al. **Monatsschr Kinderheilkd** 123(5):365–7, May 75 **(Ger)**
[Surgical treatment of systemic atrioventricular valve insufficiency in corrected transposition] Sakai A, et al. **J Jpn Assoc Thorac Surg** 23(11):1354–9, Nov 75 (Eng. Abstr.) **(Jpn)**
[Clinical study of tricuspid atresia. Apropos of 29 cases] Roca Llop J, et al. **Rev Esp Cardiol** 28(5):391–8, Oct–Nov 75 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Vascular–nervous relationships in the valves of the heart]

Sokolov VV, et al. **Arkh Anat Gistol Embriol** 70(4):103–6, Apr 76 (Eng. Abstr.) **(Rus)**

INJURIES

[Rupture of the tricuspid cordae simulating a right intraventricular tumor] Denis B, et al. **Arch Mal Coeur** 68(8):887–91, Aug 75 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Morphological study of the heart valves formed from the fascia lata femoris after their implantation because of a rheumatic defect] Ptashekas RS, et al. **Arkh Patol** 37(7):33–7, 1975 (Eng. Abstr.) **(Rus)**

[Surgical anatomy of the mitral and tricuspid valves in patent strioventricular canal] Bukharin VA, et al. **Eksp Khir Anesteziol** (2):15–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Eelctrophysiologic and ultrastructural characteristics of the canine tricuspid valve. Bassett AL, et al. **Am J Physiol** 230(5):1366–73, May 76

The contribution of tricuspid valve closure to the first heart sound. An intracardiac micromanometer study. O'Toole JD, et al. **Circulation** 53(5):752–8, May 76

PHYSIOPATHOLOGY

Letter: Echoes from Swan–Ganz catheter. Levisman JA. **Chest** 70(1):108, Jul 76

Echocardiographic spectrum of Ebstein's anomaly of the tricuspid valve. Farooki ZQ, et al. **Circulation** 53(1):63–8, Jan 76

Visualization of Ebstein's anomaly of the tricuspid valve by two-dimensional and standard echocardiography. Matsumoto M, et al. **Circulation** 53(1):59–79, Jan 76

Mitral and tricuspid valve closure in congenital heart disease. Milner S, et al. **Circulation** 53(3):513–8, Mar 76

[Critical study of hemodynamic and cineangiographic criteria in the evaluation of tricuspid lesions] Geschwind H, et al. **Ann Med Interne (Paris)** 126(1):45–51, Jan 75 **(Fre)**

[Functional evaluation of the open heart in conservative interventions on atrio–ventricular valves] Vaccari M, et al. **Arch Chir Torac Cardiovasc** 32(3–4):211–4, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Rivero–Corvallo symptom in mitral valve stenosis] Shcherba SG, et al. **Kardiologiia** 15(7):129–32, Jul 75 **(Rus)**

SURGERY

Evaluation of tricuspid valvuloplasty with mitral valve replacement in severely ill patients. Mobarhan H. **Acta Med Iran** 18(1–2):27–34, 1975

Evaluation and tricuspid valvuloplasty with mitral valve replacement in severely ill patients. Mobarhan H. **Acta Med Iran** 18(1–2):27–34, 1975

Living with prosthetic heart valves. Subsequent noncardiac operations and the risk of thromboembolism or hemorrhage. Katholi RE, et al. **Am Heart J** 92(2):162–7, Aug 76

Measured tricuspid annuloplasty: a rapid and reproducible technique. Reed GE, et al. **Ann Thorac Surg** 21(2):168–9, Feb 76

Results of the triple valve replacement. Castells E, et al. **J Cardiovasc Surg (Torino)** Spec No:374–7, 1973

A new tricuspid repair. Short–term clinical results in 23 cases. De Vega NG, et al. **J Cardiovasc Surg (Torino)** Spec No:384–6, 1973

Total correction of Ebstein's anomaly by replacement with a biological aortic valve without plication of the atrialized ventricle. Senoo Y, et al. **J Thorac Cardiovasc Surg** 72(2):243–8, AUG 76

Complications of valvular surgery—5 cases report with special reference to the conduction system—. Tomaru A, et al. **Jpn Circ J** 39(11):1225–40, Nov 75

Tricuspid valvulectomy without prosthetic replacement: five years later. Arbulu A, et al. **Surg Forum** 26:244–5, 1975

Atrioventricular valve replacement with the Hancock porcine xenograft: a five year clinical experience. McIntosh CL, et al. **Surgery** 78(6):768–75, Dec 75

Tricuspid valve replacement: a five–year appraisal. Baxter RH, et al. **Thorax** 30(2):158–61, Apr 75

Carcinoid heart disease: successful tricuspid valve replacement. Honey M, et al. **Thorax** 30(4):464–9, Aug 75

[Mid–term fate of Beall's prosthesis in the mitral or mitro–tricuspid position.Apropos of 100 cases] Rioux C, et al. **Arch Mal Coeur** 68(9):931–8, Sep 75 (Eng. Abstr.) **(Fre)**

[Pathologic and hemodynamic observation on the glutaraldehyde–preserved porcine aortic valve implanted in the tricuspid and pulmonary position] Okamura K, et al. **J Jpn Assoc Thorac Surg** 23(7):911–21, Jul 75 (Eng. Abstr.) **(Jpn)**

[Tricuspid annuloplasty—surgical evaluation and postoperative hemodynamics] Nakano S, et al. **Jpn J Thorac Surg** 28(9):609–20, Sep 75 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Intracellular collagen fibrils in cardiac valves of patients with the Hurler syndrome. Rentería VG, et al. **Lab Invest** 34(3):263–72, Mar 76

TRICUSPID VALVE INSUFFICIENCY

[Orgainc tricuspid pathology in rheumatic valvulopathies] Flammang D, et al. **Acta Cardiol (Brux)** 30(3):155–70, 1975 (Eng. Abstr.)

COMPLICATIONS

Total anomalous pulmonary venous return. Successful total correction in a 44–year–old man with subtotal absence of interatrial septum, tricuspid insufficiency, and cardiac dextroversion. Billig DM, et al. **Chest** 69(5):687–90, May 76

Congestive heart failure in the fetus and during the first day of life. Rodin AE, et al. **Tex Med** 72(7):44–8, Jul 76

[Corrected transposition of the great vessels with dextroversion and 'tricuspid' insufficiency in an adult] Warembourg H, et al. **Lille Med** 20(7):626–9, Aug–Sep 75 **(Fre)**

[Proceedings: Calcific tricuspid insufficiency with ventricular septal defect] Tanaka C, et al. **Jpn Circ J** 39(7):853, Jul 75 **(Jpn)**

CONGENITAL

Congenital tricuspid insufficiency. Definition and review. Aaron BL, et al. **Chest** 69(5):637–41, May 76

DIAGNOSIS

Tricuspid whoop. Edelstein J, et al. **Cathet Cardiovasc Diagn** 1(3):323–8, 1975

Tricuspid valve prolapse diagnosed by echocardiogram. Horgan JH, et al. **Chest** 68(6):822–4, Dec 75

Letter: Midsystolic clicks and tricuspid valvular prolapse. Sasse L. **Chest** 69(1):132–3, Jan 76

Letter: Pulsatile varicose veins in tricuspid insufficiency. Gordon M, et al. **JAMA** 235(25):2719, 21 Jun 76

[Diagnosis of tricuspid valve insufficiency using the venous pulse curve] Michold H. **Z Gesamte Inn Med** 30(16):550–4, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Detection of tricuspid regurgitation with thermodilution method] Nakano S, et al. **Jpn Circ J** 39(7):847–8, Jul 75 **(Jpn)**

ETIOLOGY

Right ventricular infarction with tricuspid insufficiency and chronic right heart failure. Aone DD, et al. **Am J Cardiol** 37(3):445–8, 4 Mar 76

Tricuspid regurgitation following inferior myocardial infarction. McAllister RG Jr, et al. **Arch Intern Med** 136(1):95–9, Jan 76

[Massive tricuspid insufficiency during idiopathic dilatation of the right atrium. Surgical treatment. Apropos of two cases] Leclerco JF, et al. **Arch Mal Coeur** 69(7):739–45, Jul 76 (Eng. Abstr.) **(Fre)**

[Carcinoid of the small intestines with right cardiac involvement. Clinical, phonomechanographical hemodynamic and anatomical study] Rauscher M, et al. **Arch Mal Coeur** 69(7):755–62, Jul 76 (Eng. Abstr.) **(Fre)**

[Isolated tricuspid insufficiency of traumatic type. Report of a case and revision of the literature (author's transl)] Astorri E, et al. **G Ital Cardiol** 5(2):233–43, 1975 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Problem of relative insufficiency of the mitral and tricuspid valves] Rahlf G, et al. **Verh Dtsch Ges Pathol** 59:580, 1975 **(Ger)**

PHYSIOPATHOLOGY

[Critical study of hemodynamic and cineangiographic criteria in the evaluation of tricuspid lesions] Geschwind H, et al. **Ann Med Interne (Paris)** 126(1):45–51, Jan 75 **(Fre)**

[Long–term course of nonoperated tricuspid insufficiency following surgical correction of mitral and mitro–aortic valve diseases] Fournier C, et al. **Arch Mal Coeur** 68(9):907–13, Sep 75 (Eng. Abstr.) **(Fre)**

[Evaluation of the contractile function of the right ventricle in patients with mitral–tricuspid valve defect] Zhadovskaia VM, et al. **Kardiologiia** 16(5):106–11, MAY 76 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Prolapse of the tricuspid leaflets in the systolic murmer–click syndrome. Maranhão V, et al. **Cathet Cardiovasc Diagn** 1(1):81–90, 1975

Inferior vena cava. Roentgen appearance in tricuspid insufficiency. Voges V, et al. **NY State J Med** 75(10):1777–9, Sep 75

SURGERY

Evaluation and tricuspid valvuloplasty with mitral valve replacement in severely ill patients. Mobarhan H. **Acta Med Iran** 18(1–2):27–34, 1975

Indications for and resluts of tricuspid valve replacement. Kouchoukos NT, et al. **Adv Cardiol** 17:199–206, 1976

Surgical correction of unusual double–outlet right ventricle. Geldof WC, et al. **Ann Thorac Surg** 20(4):461–7, Oct 75

Measured tricuspid annuloplasty: a rapid and reproducible technique. Reed GE, et al. **Ann Thorac Surg** 21(2):168–9, Feb 76

Persistence of the third heart sound after resection of the native mitral and tricuspid valves. Evidence against the valvular theory of third sound origin. Towne WD, et al. **Chest** 70(1):100–2, Jul 76

Surgery for rheumatic tricuspid valve disease in children. Merin G, et al. **J Cardiovasc Surg (Torino)** 17(4):306–13, Jul–Aug 76

Carpentier's annulus and De Vegas annuloplasty. The end of the tricuspid challenge. Grondin P, et al. **J Thorac Cardiovasc Surg** 70(5):852–61, Nov 75

Tricuspid valve prosthetic replacement. Early and late results with the Starr–Edwards prosthesis. Sanfelippo PM, et al. **J Thorac Cardiovasc Surg** 71(3):441–5, Mar 76

[Isolated tricuspid valve replacement. A report of three cases (author's transl)] Christides C, et al. **Ann Chir Thorac Cardiovasc** 14(4):317–20, Oct 75 (Eng. Abstr.) **(Fre)**

[Tricuspid incompetence after surgical correction of mitral and mitrio–aortic value diseases. Reasons for its persistence or its recurrence] Delaye J, et al. **Arch Mal Coeur** 68(9):899–905, Sep 75 (Eng. Abstr.) **(Fre)**

[Long–term course of tricuspid insufficiency operated during the surgical correction of mitral and mitro–aortic valve diseases] Fournier C, et al. **Arch Mal Coeur** 68(9):915–21, Sep 75 (Eng. Abstr.) **(Fre)**

[Mitral and tricuspid annuloplasty on supple linear reductor] Bex JP, et al. **Nouv Presse Med** 5(17):1141–2, 24 Apr 76 **(Fre)**

[Clinical use of Carpentier's ring in combined valvular diseases] Kawamura T, et al. **J Jpn Assoc Thorac Surg** 23(10):1175–81, Oct 75 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of tricuspid valve insufficiency] **Jpn J Thorac Surg** 29(5):376–7, 1976 **(Jpn)**

[Theoretical ground for radical functional surgery of tricuspid valve insufficiency] Koyanagi H, et al. **Jpn J Thorac Surg** 28(8):550–61, 1 Aug 75 **(Jpn)**

[Tricuspid annuloplasty—surgical evaluation and postoperative hemodynamics] Nakano S, et al. **Jpn J Thorac Surg** 28(9):609–20, Sep 75 (Eng. Abstr.) **(Jpn)**

[Tricuspid atresia: A therapeutic problem] Mata LA, et al. **Arch Inst Cardiol Mex** 45(5):537–54, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

TRICUSPID VALVE STENOSIS

[Orgainc tricuspid pathology in rheumatic valvulopathies] Flammang D, et al. **Acta Cardiol (Brux)** 30(3):155–70, 1975 (Eng. Abstr.)

CLASSIFICATION

Anatomic variations in underdeveloped right ventricle related to tricuspid atresia and stenosis. Bharati S, et al. **J Thorac Cardiovasc Surg** 72(3):383–400, Sep 76

CONGENITAL

Tricuspid atresia: clinical course in 101 patients. Dick M, et al. **Am J Cardiol** 36(3):327–37, Sep 75

Operative repair for tricuspid atresia. Tatooles CJ, et al. **Ann Thorac Surg** 21(6):499–503, Jun 76

Tricuspid atresia. Kronzon I, et al. **Chest** 68(6):818–9, Dec 75

Tricuspid atresia, hypoplastic right ventricle, intact ventricular septum and congenital absence of the pulmonary valve. Cox JN, et al. **Helv Paediatr Acta** 30(4–5):389–98, Jan 76

Nonoperative management of late failure of a Glenn anastomosis. Transvenous wafer occlusion of patent superior vena cava—right atrial junction. Bailey LL, et al. **J Thorac Cardiovasc Surg** 71(3):371–5, Mar 76

DIAGNOSIS

The echocardiographic diagnosis of 'concealed' tricuspid stenosis. Schloss M, et al. **Cathet Cardiovasc Diagn** 1(4):405–8, 1975

Traumatic pericardial hematoma simulating tricuspid valve obstruction. Wray TM, et al. **Johns Hopkins Med J** 137(4):147–50, Oct 75

Severe pulmonary hypertension. Echocardiographic pseudostenosis of mitral and tricuspid valves. Goldberg E, et al. **NY State J Med** 75(10):1772–6, Sep 75

[The electrocardiogram and the vectorcardiogram in tricuspid atresia] Malo Concepcion P, et al. **Rev Esp Cardiol** 28(4):323–40, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

HISTORY

Ossification of the right auriculo ventricular opening of the heart. Greenwood RD. **J Indiana State Med Assoc** 69(2):88–9, Feb 76

SURGERY

Indications for and resluts of tricuspid valve replacement. Kouchoukos NT, et al. **Adv Cardiol** 17:199–206, 1976

Surgery for rheumatic tricuspid valve disease in children. Merin G, et al. **J Cardiovasc Surg (Torino)** 17(4):306–13, Jul–Aug 76

Surgical 'correction' of solitus–concordant, double–outlet left ventricle with L–malposition and tricuspid stenosis with hypoplastic right ventricle. Sharratt GP, et al. **J Thorac Cardiovasc Surg** 71(6):853–8, Jun 76

[Method of evaluation of the right atrial function following complete right atrial bypass in tricuspid valve

stenosis—ejection fraction of the right atrium] Koyanagi H, et al. **Jpn J Thorac Surg** 29(7):498–9, 1976 (Eng. Abstr.) **(Jpn)**

TRICYCLIC ANTIDEPRESSIVE AGENTS see **ANTIDEPRESSIVE AGENTS, TRICYCLIC**

TRIETHYLCHOLINE see under **CHOLINE**

TRIETHYLENE MELAMINE

PHARMACODYNAMICS

X-ray- and TEM-induced mitotic recombination in Drosophila melanogaster: unequal and sister-strand recombination. Becker HJ. **Mol Gen Genet** 138(1):11–24, 1975

The mutagenic effect of triethylenemelamine (tem) on germ cells of male golden hamsters and guinea pigs. Cox BD, et al. **Mutat Res** 30(2):293–8, Nov 75

Chemical induction of presumed dominant-lethal mutations in postcopulation germ cells and zygotes of mice. II. Sensitivity of different postcopulation-precleavage stages to three alkylating chemicals. Suter KE, et al. **Mutat Res** 34(2):259–70, Feb 76

TOXICITY

Proceedings: Primordial germ cell sensitivity to mutagenic effects of TEM. Adler ID. **Mutat Res** 29(2):204, Aug 75

Premature chromosome condensation, structural chromosome aberrations, and micronuclei in early mouse embryos after treatment of paternal postmeiotic germ cells with triethylenemelamine: possible mechanisms for chemically induced dominant-lethal mutatiions. Matter BE, et al. **Mutat Res** 33(2–3):251–60, Dec 75

[Parallel and additive action of a mutant gene, an inbred strain genome and a teratogenic agent] Kocher W. **Arch Genet (Zur)** 47(2):128, 1974 **(Ger)**

TRIETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIFLOCIN see under **NICOTINIC ACIDS**

TRIFLUBAZAM see under **BENZODIAZEPINE TRANQUILIZERS**

TRIFLUOPERAZINE

[The role of catecholamines, acetylcholine and cholinesterase activity in the development of the cataleptic action of triftazin following repeated administration] Lando LI, et al. **Zh Nevropatol Psikhiatr** 76(3):436–40, 1976 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Anticholinergic exacerbation of phenothiazine-induced extrapyramidal syndrome. Alpert M, et al. **Am J Psychiatry** 133(9):1073–5, Sep 76

Low urinary dopamine and prediction of phenothiazine-induced Parkinsonism: a preliminary report. Crowley TJ, et al. **Am J Psychiatry** 133(6):703–6, Jun 76

Irreversible drug induced parkinsonism (two case reports). Sahoo RN, et al. **J Assoc Physicians India** 23(8):529–30, Aug 75

[State of health in persons engaged in the manufacture of triftazin] Makulova ID, et al. **Gig Tr Prof Zabol** (7):27–30, Jul 76 (Eng. Abstr.) **(Rus)**

[Acute allergic reaction of Quincke's edema type after intake of triftazin] Panikarskil VG. **Vrach Delo** (2):118–9, Feb 74 **(Rus)**

ANALYSIS

[Analysis of drugs from the group of phenothiazine derivatives. XV. Separation of mixtures with trifluoperazine hydrochloride using thin-layer chromatography] Blažek J, et al. **Cesk Farm** 25(2):76–8, Mar 76 (Eng. Abstr.) **(Cze)**

[Determination of tryptazine in biological material] Salomatin EM. **Farmatsiia** 25(2):38–42, 1976 (Eng. Abstr.) **(Rus)**

[Chemical and pharmaceutical study of triftazin and stelazine] Shmar'ian MI, et al. **Farmatsiia** 25(3):87–8, Mar–Jun 76 **(Rus)**

METABOLISM

Absorption, distribution and excretion of trifluoperazine in rats. West NR, et al. **Arch Int Pharmacodyn Ther** 215(2):318–35, Jun 75

Tissue metabolites of trifluorperazine, fluphenazine, prochlorperazine, and perphenazine. Kinetics in chronic treatment. Gaertner HJ, et al. **Drug Metab Dispos** 3(6):437–44, Nov–Dec 75

[A cyamepromazine-trifluoperazine combination: changes in metabolism during chronic administration in the rat] Gaillot J, et al. **Therapie** 30(2):267–76, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Correlation between the distribution of triftazin in certain organs of rats and its pharmacological effects when administered by different methods] Absava GI, et al. **Farmakol Toksikol** 38(3):277–81, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Coprecipitates of trifluoperazine embonate and polymers: duration action by intramuscular route. Florence AT, et al. **J Pharm Pharmacol** 28(7):601–2, Jul 76

[Effect of triftazin on the transmission of excitation in the brain of the rabbit under the prolonged administration of the preparation] Nemtsov AV, et al. **Biull Eksp Biol Med** 80(8):63–6, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of neuroleptics of the phenothiazine series on the impulse activity and ultrastructure of the cortical neurons of rabbits. Nemtsov AV, et al. **Biull Eksp Biol Med** 79(4):64–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Changes in ethanol consumption by white rats under the effect of neuroleptics and tranquilizers] Barkov NK, et al. **Farmakol Toksikol** 39(1):5–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Tryptazine penetration through the placental barrier] Boĭko SS, et al. **Farmakol Toksikol** 38(6):701–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of diazepam and triftazine on the blood supply and the activity of the heart] Chichkanov GG. **Farmakol Toksikol** 38(4):423–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The character of the effect of triftazin, carbidine and aminazine on defensive conditioned reflexes] Barkov NK. **Zh Nevropatol Psikhiatr** 76(2):280–2, 1976 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Trifluoperazine sirup in chronic psychotic patients. Seifertová D, et al. **Act Nerv Super (Praha)** 17(3):206–7, SEP 75

The position of trifluoperazine in the group of neuroleptics (a controlled clinical comparative study). Svestka J, et al. **Act Nerv Super (Praha)** 17(3):208, SEP 75

A double-blind comparison of loxapine succinate and trifluoperazine in newly admitted schizophrenic patients. Simpson GM, et al. **J Clin Pharmacol** 16(1):60–5, Jan 76

Effects of phenothiazines and social skills training in a withdrawn schizophrenic. Hersen M, et al. **J Clin Psychol** 31(4):588–94, Oct 75

[Use of triphthazine in the treatment of mentae disorders] Gurowitsch IJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(5):284–91, May 75 (Eng. Abstr.) **(Ger)**

TRIFLUOROACETIC ACID see under **FLUOROACETATES**

TRIFLUOROETHANOL see under **ALCOHOL, ETHYL**

TRIFLUOROMETHYLHYDROTHIAZIDE see **HYDROFLUMETHIAZIDE**

TRIFLUOROTHYMIDINE see under **THYMIDINE**

TRIFLUPERIDOL

PHARMACODYNAMICS

[The effect of psychotropic substances (aminazin, majeptil, trisedil) on protein synthesis in different regions of the rat brain] Malzelis MIa. **Biull Eksp Biol Med** 79(5):62–4, May 75 (Eng. Abstr.) **(Rus)**

TRIFLUPROMAZINE

Studies on the stability of injectable solutions of some phenothiazines. Part 2: Effect of chelating agents and antioxidants. Ammar HO, et al. **Pharmazie** 30(6):369–70, Jun 75

Studies on the stability of injectable solutions of some phenothiazines. Part 1: Effects of pH and buffer systems. Ammar HO, et al. **Pharmazie** 30(6):368–9, Jun 75 **(Ger)**

ADVERSE EFFECTS

[Four cases of extrapyramidal effects following the treatment of hyperemesis gravidarum with triflupromazin (author's transl)] Walter H Jr. **Z Geburtshilfe Perinatol** 180(2):163–6, Apr 76 (Eng. Abstr.) **(Ger)**

TRIFLURALIN see under **TOLUIDINES**

TRIGEMINAL NERVE

Raeder's syndrome. Desai BT, et al. **Ann Ophthalmol** 7(8):1082–4, Aug 75

Trigeminal zoster producing facial paralysis and postural hypotension. **Br Med J** 1(6002):131–2, 17 Jan 76

Trigeminal ganglionitis and encephalitis in calves intranasally inoculated with infectious bovine rhinotracheitis virus. Narita M, et al. **J Comp Pathol** 86(1):93–100, Jan 76

Herpes zoster in Hodgkin's disease: unusual oral sequelae. Chenitz JE. **J Dent Child** 43(3):184–6, May–Jun 76

Sequential development of ethylnitrosourea-induced neurinomas: morphology, biochemistry, and transplantability. Swenberg JA, et al. **J Natl Cancer Inst** 55(1):147–52, Jul 75

Trigeminal neuropathy with nasal ulceration: report of two cases and one necropsy. Spillane JD, et al. **J Neurol Neurosurg Psychiatry** 39(2):105–13, Feb 76

Jaw and blind reflexes in trigeminal nerve lesions. An electrodiagnostic study. Goor C, et al. **Neurology (Minneap)** 26(1):95–7, Jan 76

Angiographic demonstration of a trigeminal neurinoma. Wüllenweber R, et al. **Neuroradiology** 10(4):225–9, 1976

Neurinomas of the trigeminal nerve. Arseni C, et al. **Surg Neurol** 4(6):497–503, Dec 75

[Value of the use of a stereotaxic framework in the selective thermocoagulation of Gasser's ganglion] Lazorthes Y, et al. **Neurochirurgie** 22(1):77–83, 1976 (Eng. Abstr.) **(Fre)**

[New approach in gasserian ganglion block by introducing the needle from under the mandibular bone] Sasaki Y, et al. **Jpn J Anesthesiol** 24(9):899–902, Sep 75 (Eng. Abstr.) **(Jpn)**

[Pain after trigeminal nerve block] Yamamuro M, et al. **Jpn J Anesthesiol** 24(9):908–13, Sep 75 (Eng. Abstr.) **(Jpn)**

[Paratrigeminal epidermoid originated in the meckel's cave (author's transl)] Miyasaka Y, et al. **Neurol Surg (Tokyo)** 4(5):483–8, May 76 (Eng. Abstr.) **(Jpn)**

[Neuroradiologic diagnosis of trigeminal neurinoma originating from the gasserian ganglion (author's transl)] Okudera T, et al. **Neurol Surg (Tokyo)** 3(10):835–48, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Interruption of grand mal epileptic seizures by the trigeminal nerve stimulation] Maksimow K. **Neurol Neurochir Pol** 10(2):205–8, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Congenital trigeminal neuropathy in oculoauriculovertebral dysplasia-hemifacial microsomia (Goldenhar-Gorlin syndrome). Aleksic S, et al. **J Neurol Neurosurg Psychiatry** 38(10):1033–5, Oct 75

ANATOMY & HISTOLOGY

Trigeminothalamic fibre connections in the donkey (Equus asinus) studied by means of the retrograde cell degeneration method. Karamanlidis AN. **Acta Anat (Basel)** 93(1):126–34, 1975

The ascending projections of the principal sensory trigeminal nucleus in the mallard (Anas platyrhynchos). Dubbeldam JL, et al. **Acta Morphol Neerl Scand** 13(3):230–1, Nov 75

Proceedings: An additional trigeminal system in certain snakes possessing infra-red receptors. Molenaar GJ. **Acta Morphol Neerl Scand** 13(4):314–5, Dec 75

Location of cat trigeminal ganglion cells innervating dental pulp of upper and lower canines studied by retrograde transport of horseradish peroxidase. Arvidsson J. **Brain Res** 99(1):135–9, 28 Nov 75

Synaptic relationships between the ascending trigeminal fibers and the third order lingual relay neurons of the rat thalamus. Emmers R. **Exp Neurol** 48(3 Pt 1):586–94, Sep 75

Trigeminal afferent fibers in the trunk of the oculomotor nerve of lambs. Manni E, et al. **Exp Neurol** 50(2):465–76, Feb 76

Trigeminal projections in snakes possessing infrared sensitivity. Schroeder DM, et al. **J Comp Neurol** 169(1):1–11, 1 Sep 76

Axonal projections and connections of the principal sensory trigeminal nucleus in the monkey. Smith RL. **J Comp Neurol** 163(3):347–75, 1 Oct 75

BLOOD SUPPLY

Fenestrated blood capillaries in rat cranio-spinal sensory ganglia. Anzil AP, et al. **Cell Tissue Res** 167(4):563–7, 9 Apr 76

CYTOLOGY

Transganglionic degeneration in trigeminal primary sensory neurons. Grant G, et al. **Brain Res** 95(2–3):265–79, 23 Sep 75

A somatotopic and functional representation of the respiratory muscles in the trigeminal and facial motor nuclei of the carp (Cyprinus carpio L.). Luiten PG. **J Comp Neurol** 166(2):191–200, 15 Mar 76

The light microscopical structure of the mesencephalic nucleus of the fifth nerve in the selachian brain. Witkovsky P, et al. **Proc R Soc Lond [Biol]** 190(1101):457–71, 23 Sep 75

DRUG EFFECTS

[Vestibulo-oculomotor and trigemino-facial reflexes and H-reflex in the course of central depression produced by sodium gamma-hydroxybutyrate] Puca F, et al. **Riv Neurol** 45(2):203–9, Apr–Jun 75 **(Ita)**

[Trigemino-facial and vestibulo-oculomotr reflexes during central depression induced by GHB (author's transl)] Ferrannini E, et al. **Riv Patol Nerv Ment** 95(5):724–30, Oct 74 **(Ita)**

ENZYMOLOGY

Lysosomal hydrolases in the trigeminal ganglion of mice afflicted with an hereditary sensory neuropathy (dystonia musculorum). Thornburg LP, et al. **Acta Neuropathol (Berl)** 32(2):91–101, 11 Aug 75

[Beta-glucuronidase activity and morphological alterations in the nervus trigeminus of the rat after application of the neurotropic carcinogen ethylnitrosourea (author's transl)] Coutelle R, et al. **Arch Geschwulstforsch** 45(2):97–110, 1975 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Neuroplasticity of primary afferents in the neo-natal cat and some results of early deafferentation of the trigeminal spinal nucleus. Kerr FW. **J Comp Neurol** 163(3):305-27, 1 Oct 75

[Spontaneous degeneration of neurons of the Nucl. tractus mesenceph. n. trigemini during the perinatal period of an ontogenic series of Albino mice] Zilles K, et al. **Gegenbaurs Morphol Jahrb** 121(3):289-99, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

Localization of masticatory motoneurons in the cat and rat by means of retrograde axonal transport of horseradish peroxidase. Mizuno N, et al. **J Comp Neurol** 164(1):105-15, 1 Nov 75

MICROBIOLOGY

The isolation of monkey B virus (Herpesvirus simiae) from the trigeminal ganglia of a healthy seropositive rhesus monkey. Boulter EA. **J Biol Stand** 3(3):279-80, 1975

PHYSIOLOGY

Electromyography, movement and central nucleus activity analysis of the feeding apparatus and the trigeminal system of the mallard (Anas platyrhynchos l.). Zweers GA, et al. **Acta Morphol Neerl Scand** 13(3):231-2, Nov 75

Fatigue and adaptation in unmyelinated (C) polymodal nociceptors to mechanical and thermal stimuli applied to the monkey's face. Beitel RE, et al. **Brain Res** 112(2):402-6, 13 Aug 76

Neurons in trigeminal nucleus and reticular formation excited by ethmoidal nerve stimulation. Beuerman RW. **Brain Res** 92(3):479-84, 18 Jul 75

Response patterns to noxious and non-noxious stimuli in rostral trigeminal relay nuclei. Khayyat GF, et al. **Brain Res** 97(1):47-60, 24 Oct 75

The trigeminal depressor response: a cardiovascular reflex originating from the trigeminal system. Kumada M, et al. **Brain Res** 92(3):485-9, 18 Jul 75

Bilateral projection of the canine tooth pulp to bulbar trigeminal neurons. Nord SG. **Brain Res** 113(3):517-25, 3 Sep 76

Dorsal raphe stimulation produces inhibitory effect on trigeminal nucleus neurons. Sasa M, et al. **Brain Res** 101(2):199-207, 16 Jan 76

Influence of trigeminal nucleus caudalis on the responses of cat trigeminal brain stem neurones with orofacial mechanoreceptive fields. Sessle BJ, et al. **Brain Res** 67(2):330-3, 22 Feb 74

Effects of tooth pulp stimulation in trigeminal nucleus caudalis and adjacent reticular formation in rat. Shigenaga Y, et al. **Brain Res** 103(2):400-6, 20 Feb 76

Excitation of units in marginal rim of trigeminal subnucleus caudalis elicited by tooth pulp stimulation. Yokota T. **Brain Res** 95(1):154-8, 12 Sep 75

Descending influences of periaqueductal gray matter and somatosensory cerebral cortex on neurones in trigeminal brain stem nuclei. Sessle BJ, et al. **Can J Physiol Pharmacol** 54(1):66-9, Feb 76

Amygdala and masseteric reflex. II Mechanism of the diphasic modifications of the reflex elicited from the 'defence reaction area'. Role of the spinal trigeminal nucleus (pars oralis). Bonvallet M, et al. **Electroencephalogr Clin Neurophysiol** 39(4):341-52, Oct 75

Electrophysiological evidence for a neurohormonal dependence in the changes of the late glabellar response in man. Boiardi A, et al. **Eur Neurol** 13(6):513-8, 1975

The lateral reticular nucleus in the cat. IV. Activation from dorsal funiculus and trigeminal afferents. Clendenin M, et al. **Exp Brain Res** 24(2):131-44, 22 Dec 75

Electrophysiologic evidence that neither sprouting nor neuronal hyperactivity occur following long term trigeminal or cervical primary deafferentation. Beckermann SB, et al. **Exp Neurol** 50(2):427-38, Feb 76

A trigemino-abducens reflex in man. Bratzlavsky M, et al. **Exp Neurol** 49(1 Pt 1):336-8, Oct 75

The selective vulnerability of evoked potentials in the trigeminal sensory root of graded thermocoagulation. Frigyesi TL, et al. **Exp Neurol** 49(1 Pt 1):11-21, Oct 75

Physiological properties of neurons in the principal sensory trigeminal nucleus of the cat. Kirkpatrick DB, et al. **Exp Neurol** 48(3 Pt 1):664-90, Sep 75

Representation of the cornea in the brain stem of the rat. Nagano S, et al. **Exp Neurol** 49(3):653-70, Dec 75

Experimental modulation of medullary dental pulp units by mechanical stimulation of oro-facial fields. Young RF, et al. **Exp Neurol** 49(3):813-21, Dec 75

The anterior cranial gustatory pathway in fish. Kiyohara S, et al. **Experientia** 31(9):1051-3, 15 SEP 75

New observations on the representation of the eye muscle proprioception within the descending trigeminal nucleus. Manni E, et al. **Experientia** 31(8):944-5, 15 Aug 75

The contralateral effect of antidromic stimulation of the trigeminal nerve on the rabbit eye. Maul E, et al. **Invest Ophthalmol** 15(7):564-6, Jul 76

Tooth pulp projection to the trigeminal complex and jaw opening reflex in the cat. Azerad J, et al. **J Biol Buccale** 4(2):109-15, Jun 76

Trigeminal nerve and eating in the pigeon (Columba livia): neurosensory control of the consummatory responses. Zeigler HP, et al. **J Comp Physiol Psychol** 89(8):845-58, Oct 75

Trigeminal deafferentation and hunger in the pigeon (Columbia livia). Zeigler HP. **J Comp Physiol Psychol** 89(8):827-44, Oct 75

Proceedings: Differential projection of spindle afferents from rostral and caudal parts of the mesencephalic nucleus of the fifth nerve. Harrison LM, et al. **J Physiol (Lond)** 258(2):60P, Jun 76

Proceedings: Projection of pain to the nucleus caudalis of the spinal trigeminal complex. Yokota T. **J Physiol Soc Jpn** 36(8-9):310-1, 1 Sep 74

Retrograde transpost of horseradish peroxidase in afferent and efferent neurons from masseter muscle in the rat. Hinrichsen C. **Naturwissenschaften** 62(10):492, Oct 75

Active trigeminal regions in fish medulla. Späth M, et al. **Naturwissenschaften** 62(12):580-1, Dec 75

Intranasal trigeminal detection of chemical vapors by humans. Doty RL. **Physiol Behav** 14(6):855-9, Jun 75

Dissociation of operant and consummatory responses by trigeminal deafferentation in the pigeon. Zeigler HP. **Physiol Behav** 14(6):871-4, Jun 75

A functional analysis of the mesencephalic nucleus of the fifth nerve in the selachian brain. Roberts BL, et al. **Proc R Soc Lond [Biol]** 190(1101):473-95, 23 Sep 75

Trigeminal lemniscal lesions and the lateral hypothalamic syndrome. Stricker EM, et al. **Science** 190(4215):694-6, 14 Nov 75

[Electrophysiological study of the blinking reflex of Macacus cynomolgus] Willer JC, et al. **C R Acad Sci [D] (Paris)** 281(9):563-6, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Nociceptive neurons of the trigeminal nucleus] Hayashi H. **J Jpn Stomatol Soc** 42(3):329, Sep 75 **(Jpn)**

[Proceedings: Lateral control of trigeminal nerve input] Ishiryo S, et al. **J Physiol Soc Jpn** 36(8-9):273, 1 Sep 74 **(Jpn)**

[Proceedings: Control system of the reticular formation of the medulla oblongata over trigeminal motor neurons] Nakamura Y, et al. **J Physiol Soc Jpn** 36(8-9):272-3, 1 Sep 74 **(Jpn)**

[Proceedings: Influence of the upper brain center on the facial motor neuron activities] Tanaka N, et al. **J Physiol Soc Jpn** 36(8-9):273-4, 1 Sep 74 **(Jpn)**

PHYSIOPATHOLOGY

The effect of trigeminal nerve and ganglion manipulation on recurrence of ocular herpes simplex in rabbits. Nesburn AB, et al. **Am J Med Sci** 272(1):726-31, Jul-Aug 76

Transganglionic degeneration in the spinal trigeminal nucleus following removal of tooth pulps in adult cats. Westrum LE, et al. **Brain Res** 101(1):137-40, 9 Jan 76

[Trismus, trigeminal motor dyssynergy with brain stem lesions (author's transl)] Jelasic F, et al. **J Neurol** 209(4):287-96, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Blink reflex in patients with bihemispherical lesions (author's transl)] Messina C, et al. **Riv Patol Nerv Ment** 95(5):714-23, Oct 74 (Eng. Abstr.) **(Ita)**

SURGERY

Neurilemomas of the infratemporal space: report of a case and review of the literature. Arena S, et al. **Arch Otolaryngol** 102(3):180-4, Mar 76

Percutaneous radiofrequency gangliotomy in the treatment of trigeminal neuralgia and other facial pain. Vaughan R. **Aust NZ J Surg** 45(2):203-7, May 75

Cerebrovascular accident after percutaneous rf thermocoagulation of the trigeminal ganglion. Case report. Rish BL. **J Neurosurg** 44(3):376-7, Mar 76

Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion; technical note. Tator CH, et al. **J Neurosurg** 44(2):254-7, Feb 76

The anesthetic eye: an investigation of changes in the anterior ocular segment of the monkey caused by interrupting the trigeminal nerve at various levels along its course. Alper MG. **Trans Am Ophthalmol Soc** 73:313-65, 1976

[Retrogasserian electrothermotherapy in facial neuralgia] Pertuiset B, et al. **Ann Med Interne (Paris)** 126(8-9):657-60, Aug-Sep 75 **(Fre)**

[Surgery of cancer pain. Section of the IX and V nerves in the ontocerebellar space, section of Andersch's ganglion and Jacobson's verve. Indications and results] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 92(10-11):573-84, Oct-Nov 75 (Eng. Abstr.) **(Fre)**

[Non-mutilating surgery of essential facial neuralgia] Duplay J, et al. **Neurochirurgie** 20(7):593-8, Dec 74 (Eng. Abstr.) **(Fre)**

[Percutaneous thermocoagulation of the trigeminal root. A new neurosurgical treatment of essential facial neuralgia] Sindou M, et al. **Nouv Presse Med** 5(25):1583-4, 19 Jun 76 **(Fre)**

ULTRASTRUCTURE

Trigeminal representations of the masticatory and extraocular proprioceptors as revealed by horseradish peroxidase retrograde transport. Alvarado-Mallart MR, et al. **Exp Brain Res** 23(2):167-79, 14 Aug 75

Some considerations of synaptic organization in the trigeminal sensory nuclei of the adult cat. pp. 96-107. Gobel S.
In: Sessle BJ, Hannam AG, ed. Mastication and swallowing. Toronto, Univ of Toronto Press, 1976. WI 102 M423 1976.

Dendroaxonic synapses in the substantia gelatinosa glomeruli of the spinal trigeminal nucleus of the cat. Gobell S. **J Comp Neurol** 167(2):165-76, 15 May 76

Intracisternal A and C particles in mouse neurons: a thin-section study of normal trigeminal ganglion and C1300 neuroblastoma. Herrlinger H, et al. **J Natl Cancer Inst** 55(6):1473-5, Dec 75

TRIGEMINAL NEURALGIA

[Surgical and medical treatment of facial pain, methods of application] Labasse HC. **Acta Otorhinolaryngol Belg** 29(6):970-5, 1975 **(Fre)**

[Facial syndromes in neurological practice] Karlov VA, et al. **Sov Med** (12):14-9, Dec 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Letter: Trigeminal neuropathy with nasal ulceration. Freeman AG. **J Neurol Neurosurg Psychiatry** 39(8):822-3, Aug 76

[True bilateral sensory trigeminal neuropathy with ocular atrophic disorders. Contribution of a case and review of the problem] Barraquer-Bordas L, et al. **Acta Neurol Lat Am** 20(1-4):29-41, 1974 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Misdiagnosis of trigeminal neuralgia. Schlesinger SL. **Am Fam Physician** 12(4):131-2, Oct 75

[Costen's and Freese's syndrome in the differential diagnosis of ear pain and neuralgia of the trigeminal nerve] Paunović S, et al. **Vojnosanit Pregl** 33(1):39-42, Jan-Feb 76 **(Ser)**

DRUG THERAPY

Clonazepam in facial neuralgia and cluster headache. Clinical and electrophysiological study. Caccia MR. **Eur Neurol** 13(6):560-3, 1975

The use of bupivacaine for blocking the Gasserian ganglion in major trigeminal neuralgia. Adler P. **Int J Oral Surg** 4(6):251-7, Dec 75

Drug treatment of trigeminal neuralgia with sympatho- and parasympatholytics. Kränzl B, et al. **J Maxillofac Surg** 4(1):56-60, Mar 76

Treatment of tic douloureux with a new anticonvulsant (clonazepam). Court JE, et al. **J Neurol Neurosurg Psychiatry** 39(3):297-9, Mar 76

[Muscle relaxants in the treatment of idiopathic trigeminal neuralgia (author's transl)] von Albert HH. **Munch Med Wochenschr** 117(35):1379-82, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Trigeminal neuralgia. Treatment with clonazepam] de Negrotto OV, et al. **Acta Neurol Lat Am** 20(1-4):139-45, 1974 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Letter: Cold and tic douloureux. Fitch N. **Lancet** 1(7949):46, 3 Jan 76

[Facial pain. Prospective investigation of the odontological conditions in 170 patients with facial pain followed-up during a 5 year period] Rasmussen P, et al. **Ugeskr Laeger** 137(46):2703-9, 10 Nov 75 (Eng. Abstr.) **(Dan)**

[Neuralgia of the trigeminal nerve] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 76(6):822-6, 1976 (Eng. Abstr.) **(Rus)**

HISTORY

Charles Bew and tic douloreux. Stillings D. **Med Instrum** 10(2):138, Mar-Apr 76

OCCURRENCE

Letter: Geographical distribution of tic douloureux in Essex. Frost M. **Lancet** 2(7945):1154, 6 Dec 75

PATHOLOGY

[Change in the mucous membrane of the accessory sinuses of the nose in some nonsuppurative neurological complications of paranasal sinusitis] Spokoinaia VA, et al. **Vestn Otorinolaringol** (6):79-82, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of the autonomic nervous system in trigeminal neuralgia. Kränzl B, et al. **J Neural Transm** 38(1):77-82, 1976

SURGERY

New hope for patients with trigeminal neuralgia. Ostrow LS. **Am J Nurs** 76(8):1301-3, Aug 76

Percutaneous radiofrequency gangliotomy in the treatment of trigeminal neuralgia and other facial pain. Vaughan R. **Aust NZ J Surg** 45(2):203-7, May 75

The clinical features and treatment of trigeminal neuralgia. Payne NS, et al. **J Med Assoc Ga** 65(5):143-8, May 76

Meningiomas of Meckel's cave. Nijensohn DE, et al. **J Neurosurg** 43(2):197-202, Aug 75

Fluoroscopy of foramen ovale as an aid to thermocoagulation of the Gasserian ganglion; technical note. Tator CH, et al. **J Neurosurg** 44(2):254-7, Feb 76

Simple determination of the foramen in trigeminus coagulation. Martins LF, et al. **Neurochirurgia (Stuttg)**

18(5):163–6, Sep 75
Neurotrophic ulcer of the oral mucous membrane—a complication of surgical treatment for trigeminal neuralgia. Eggleston DJ. **NZ Dent J** 71(325):146–7, Jul 75
Trigeminal neuralgia and hemifacial spasm—etiology and definitive treatment. Jannetta PJ.
Trans Am Neurol Assoc 100:89–91, 1975
Percutaneous radiofrequency trigeminal gangliolysis in the treatment of tic douloureux. Howe JF, et al.
West J Med 124(5):351–6, May 76
[Retrogasserian electrothermotherapy in facial neuralgia] Pertuiset B, et al. **Ann Med Interne (Paris)** 126(8–9):657–60, Aug–Sep 75 **(Fre)**
[Non-mutilating surgery of essential facial neuralgia] Duplay J, et al. **Neurochirurgie** 20(7):593–8, Dec 74 (Eng. Abstr.) **(Fre)**
[Percutaneous thermocoagulation of the trigeminal root. A new neurosurgical treatment of essential facial neuralgia] Sindou M, et al. **Nouv Presse Med** 5(25):1583–4, 19 Jun 76 **(Fre)**

THERAPY

Precise selective alcoholic Gasserian injection for tic douloureux. Recent advances in technic and results. Ecker A. **Acta Neurochir (Wien)** 34(1–4):241–3, 1976
Acupuncture analgesia for the treatment of trigeminal neuralgias: a series of 41 cases. pp. 728–31. Man PL, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
The electric tic procedure: a safe percutaneous method for relief of trigeminal neuralgia. Smith RV.
J Okla State Med Assoc 68(11):405–7, Nov 75
Tic douloureux. Steele DE. **Lancet** 2(7931):404, 30 Aug 75
Letter: Management of facial pain and headache using acupuncture. Low SA. **Med J Aust** 1(6):173–4, 7 Feb 76
Trigeminal neuralgia: induced remission without surgery, and observations on its aetiology. Newell IM. **Med J Aust** 1(17):605–7, 24 Apr 76
[Experiences with acupuncture in the treatment of trigeminal neuralgias] Platz H. **Dtsch Zahnaerztl Z** 30(9):606–10, Sep 75 **(Ger)**
[Pain suppression in the trigeminal region by means of transcutaneous nerve stimulation] Reuter E, et al.
Dtsch Zahnaerztl Z 31(3):274–6, Mar 76 (Eng. Abstr.) **(Ger)**
[Nerve block in the treatment of cranio-facial pain] Rizzi R. **Minerva Stomatol** 24(3):112–22, May–Jun 75 (Eng. Abstr.) **(Ita)**
[Dental anesthesia—application of acupuncture in trigeminal neuralgia] Suzuki C. **J Jpn Stomatol Soc** 42(1):67, Mar 75 **(Jpn)**
[Therapeutic experiences with 1,133 cases of trigeminal neuralgia] Kato Y, et al. **Jpn J Anesthesiol** 24(9):903–7, Sep 75 (Eng. Abstr.) **(Jpn)**
[Prosopalgia and its treatment] Smirnov VA.
Stomatologiia (Mosk) 54(6):51–4, Nov–Dec 75 **(Rus)**

TRIGLYCERIDES

Thermal properties of systems containing cholesteryl esters and triglycerides. Lundberg B. **Acta Chem Scand [A]** B 30(2):150–6, 1976
Stereospecificity of lipases. Enzymatic hydrolysis of enantiomeric alkyldiacyl- and dialkylacylglycerols by lipoprotein lipase. Paltauf F, et al.
Biochim Biophys Acta 431(2):359–62, 27 May 76
Brassica campestris var. Span: II. Cardiopathogenicity of fractions isolated from span rapeseed oil when fed to male rats. Kramer JK, et al. **Lipids** 10(9):511–6, Sep 75
Positional analysis of isovaleroyl triglycerides using proton magnetic resonance with Eu(fod)3 and Pr(fod)3 shift reagents: II. Cetacean triglycerides. Wedmid Y, et al.
Lipids 11(3):189–93, Mar 76
Evaluation of beeswax-tricaprylin vehicle for pulmonary carcinogenesis studies. Veal JT, et al.
Toxicol Appl Pharmacol 35(1):157–64, Jan 76
[Composition and glyceride structure of lipids] Mordret F, et al. **Ann Nutr Aliment** 29(4):Suppl 1–46, 1975 **(Fre)**
[Generalised triglyceride lipidosis (triglyceridosis). Ist anatomo-clinical report] Cornelio F, et al.
Rev Neurol (Paris) 131(9):629–44, Sep 75 (Eng. Abstr.) **(Fre)**
[Determination of two triglyceride lipases (TGL) from the post-heparin plasma following selective enzyme antibody precipitation] Klose G, et al. **Verh Dtsch Ges Inn Med** 81:1421–3, 1975 **(Ger)**

ADMINISTRATION & DOSAGE

[The artificial rearing of rabbits using medium-chain triglycerides (MCT): first results] Schley P.
Berl Munch Tieraerztl Wochenschr 89(2):32–5, 15 Jan 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

A method for microdetermination of major neutral lipids and an application of the procedure to tissue lipids. Okabe A.
Acta Med Okayama 29(4):261–72, Aug 75
Ultrastructure of the milk fat globule membrane with and without triglyceride. Wooding FB, et al.
Cell Tissue Res 165(1):113–27, 29 Dec 75
Rapid densitometric determination of triglyceride groups by argentation thin layer chromatography. Chobanov D, et al. **J Am Oil Chem Soc** 53(2):48–51, Feb 76
Triglyceride composition of Amoora rohituka seed oil. Sengupta A, et al. **J Am Oil Chem Soc** 53(7):478–7, Jul 76
Structural analyses of triglycerides containing isotopically-labelled fatty acids. Christie WW.
J Chromatogr Sci 13(9):411–5, Sep 75
Qualitative and quantitative gas liquid chromatography of triglycerides. Hamilton RJ. **J Chromatogr Sci** 13(10):474–8, Oct 75
Triglyceride composition of Sesamum indicum seed oil. Sengupta A, et al. **J Sci Food Agric** 27(2):165–9, Feb 76
Triglyceride composition of Papaver somniferum seed oil. Sengupta A, et al. **J Sci Food Agric** 27(3):214–8, Mar 76
Effects of diet, age, strain and anatomical site on fat depot triglyceride and fatty acid content in rats. Shier PD, et al. **Proc Soc Exp Biol Med** 149(4):864–70, Sep 75
[Quantitation of lipids in blood, plasma and tissues by gas-liquid chromatography (author's transl)] Radke M, et al. **Z Klin Chem Klin Biochem** 13(6):231–7, Jun 75 (Eng. Abstr.) **(Ger)**
[Hepatic lipidic alterations by hyperthermia (author's transl)] Abuin López M, et al. **Arch Farmacol Toxicol** 2(1):69–74, Apr 76 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

The positional distribution of fatty acids incorporated into triacylglycerols by rat adipose tissue slices in vitro. Christie WW, et al. **Biochem Biophys Res Commun** 66(1):243–9, 2 Sep 75
Stimulation of triglyceride synthesis in mammalian liver and adipose tissue by two cytosolic compounds. Roncari DA, et al. **Biochem Biophys Res Commun** 67(2):790–6, 17 Nov 75
The metabolism of lipids in mouse pancreatic islets. The biosynthesis of triacylglycerols and phospholipids. Berne C. **Biochem J** 152(3):667–73, Dec 75
Triacylglycerol turnover in Tetrahymena pyriformis. Relation to phospholipid synthesis. Borowitz MJ, et al.
Biochim Biophys Acta 424(1):114–24, 22 Jan 76
Triacylglycerol biosynthesis in everted sacs of rat intestinal mucosa. Breckenridge WC, et al. **Can J Biochem** 53(11):1184–95, Nov 75
Biosynthesis of triacylglycerols by rat intestinal mucosa in vivo. Breckenridge WC, et al. **Can J Biochem** 54(2):145–52, Feb 76
Biochemistry of development in insects. Stereospecific incorporation of fatty acids into triacylglycerols. Municio AM, et al. **Eur J Biochem** 60(1):117–21, 1 Dec 75
Studies on plasma free-fatty-acid metabolism and triglyceride synthesis of brown adipose tissue in vivo during cold-induced thermogenesis of the newborn rabbit. Schenk H, et al. **Eur J Biochem** 58(1):15–22, 1 Oct 75
The site of triglyceride biosynthesis in milk. Christie WW, et al. **Experientia** 31(12):1445–7, 15 Dec 75
Stimulation of triacylglycerol synthesis by Z protein in rat liver and intestinal mucosa. O'Doherty PJ, et al.
FEBS Lett 60(2):256–8, 15 Dec 75
Triacylglycerol synthesis in isolated fat cells. Studies on the microsomal diacylglycerol acyltransferase activity using ethanol-dispersed diacylglycerols. Coleman R, et al.
J Biol Chem 251(15):4537–43, 10 Aug 76
Evidence for a factor in pig adipose tissue controlling the specificity of the acyltransferase(s) of triacylglycerol synthesis. Stokes GB, et al. **J Biol Chem** 250(16):6315–9, 25 Aug 75
Effects of anti-insulin serum, insulin, and glucose on output of triglycerides and on ketogenesis by the perfused rat liver. Woodside WF, et al. **J Biol Chem** 251(1):13–23, 10 Jan 76
Effect of ethanol on utilization of plasma free fatty acids for liver triacylglycerol synthesis and its relation to hepatic triacylglycerol accumulation in rats. Johnson O, et al.
Lipids 10(12):765–9, Dec 75
Effects of fenfluramine and related compounds on the synthesis of glycerolipids by rat liver. Brindley DN, et al.
Postgrad Med J 51 Suppl 1:91–5, 1975

BLOOD

Serum cholesterol and triglyceride concentrations of Finns and Finnish Lapps. I. Basic data. Aromaa A, et al.
Acta Med Scand 198(1–2):13–22, Jul–Aug 75
Serum cholesterol and triglyceride concentrations of Finns and Finnish Lapps. II. Interpopulation comparisons and occurrence of hyperlipidemia. Björkstén F, et al.
Acta Med Scand 198(1–2):23–33, Jul–Aug 75
Pre-beta1-lipoprotein and Lp(a) antigen in relation to triglyceride levels and insulin release following an oral glucose load in middle-aged males. Dahlén G, et al.
Acta Med Scand 199(5):413–9, 1976
Treatment of hypercholesterolaemia and hypertriglyceridaemia with magnesium. Petersen B, et al.
Acta Med Scand 200(1–2):59–61, 1976
Serum lipids and fatty acid composition of serum lecithin in the non-pregnant state in patients with previous cholestasis of pregnancy. Samsioe G.
Acta Obstet Gynecol Scand 55(1):1–6, 1976
Studies in diabetic pregnancy. I. Serum lipids. Skryten A, et al. **Acta Obstet Gynecol Scand** 55(3):211–5, 1976
Neonatal hypertriglyceridemia: a new index of antepartum-intrapartum fetal stress? Andersen GE, et al.
Acta Paediatr Scand 65(3):369–74, May 76
Nutrition in low-birth-weight infants. III. Lipolysis and free fatty acid elimination after intravenous administration of fat emulsion. Olegård R, et al. **Acta Paediatr Scand** 64(5):745–51, Sep 75
Dietary effects in the early recovery phase of kwashiorkor. Plasma levels of triglycerides, FFA, D-beta-hydroxybutyrate, glycerol, postheparin lipoprotein lipase (LPL), glucose and insulin. Persson B, et al.
Acta Paediatr Scand 65(3):329–36, May 76
Letter: Graft patency and serum triglycerides. Silberman RE.
Am J Cardiol 36(3):413, Sep 75
Hypertriglyceridemia in patients with chronic renal insufficiency. McCosh EJ, et al. **Am J Clin Nutr** 28(9):1036–43, Sep 75
Postprandial plasma triglyceride and cholesterol responses to a low-fat meal. Olefsky JM, et al. **Am J Clin Nutr** 29(5):535–9, May 76
Efficacy of diet and exercise in the reduction of serum cholesterol and triglyceride in free-living adult males. Shorey RL, et al. **Am J Clin Nutr** 29(5):512–21, May 76
The retina in type 5 hyperlipoproteinemia. Kurz GH, et al.
Am J Ophthalmol 82(1):32–43, Jul 76
Metabolic effects of calcitonin in the newborn. Garel JM, et al. **Am J Physiol** 229(3):669–75, Sep 75
Effect of castration and long-term oral oestrogen therapy with oestriol succinate on serum lipids. Punnonen R, et al. **Ann Chir Gynaecol** 65(3):216–9, 1976
Study of the genetic transmission of hypercholesterolemia and hypertriglyceridemia in a 195 member kindred. Elston RC, et al. **Ann Hum Genet** 39(1):67–87, Jul 75
Serum lipid levels in angiographically defined coronary artery disease. Cohn PF, et al. **Ann Intern Med** 84(3):241–5, Mar 76
Preprandial drinking and plasma lipids in man. Barboriak JJ, et al. **Atherosclerosis** 24(1–2):323–5, Jul–Aug 76
Changing relative proportions of apolipoproteins CII and CIII of very low density lipoproteins in hypertriglyceridaemia. Carlson LA, et al. **Atherosclerosis** 23(3):563–8, May–Jun 76
Triglyceride accumulation in cultured human fibroblasts: the effects of hypertriglyceridemic serum. Howard BV, et al.
Atherosclerosis 23(3):521–34, May–Jun 76
Transport kinetics of plasma free fatty acid, very low density lipoprotein triglycerides and apoprotein in patients with endogenous hypertriglyceridaemia: effects of 2,2-dimethyl, 5(2, 5-xylyoxy) valeric acid therapy. Kissebah AH, et al.
Atherosclerosis 24(1–2):199–218, Jul–Aug 76
Reduction of serum lipids by means of etiroxate (Liponorm). Lageder H, et al. **Atherosclerosis** 22(3):473–84, Nov–Dec 75
Type V hyperlipoproteinaemia re-visted: findings in a sydney population. Simons LA, et al. **Aust NZ J Med** 5(3):210–9, Jun 75
The effect of sex on the uptake of very low density lipoprotein triglyceride fatty acid from the plasma of the rat in vivo. Soler-Argilaga C, et al.
Biochem Biophys Res Commun 66(4):1237–42, 27 Oct 75
Studies on tissue clearing factor lipase related to its role in the removal of lipoprotein triglyceride from the plasma. Robinson DS, et al. **Biochem Soc Symp** (33):123–35, 1971 (34 ref.)
Screening for risks of cardiovascular disease in children. A preliminary report. Marktl W, et al. **Br J Nutr** 35(2):223–7, Mar 76
Bran in hypertriglyceridaemia: a failure of response. Bremner WF, et al. **Br Med J** 3(5983):574, 6 Sep 75
Letter: Hypertriglyceridaemia and abdominal pain. Donaldson LA, et al. **Br Med J** 1(6013):833, 3 Apr 76
Hypertriglyceridaemia and abdominal pain. Elkeles RS, et al. **Br Med J** 1(6007):435–6, 21 Feb 76
Serum cholesterol and triglyceride levels in Australian adolescent vegetarians. Ruys J, et al. **Br Med J** 2(6027):87, 10 Jul 76
Response of serum cholesterol and triglycerides to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al.
Cancer 38(3):1095–107, Sep 76
Cholesterol, triglyceride and lipoprotein fraction levels in 122 healthy Malawians. McCallum M. **Cent Afr J Med** 21(8):171–5, Aug 75
Application of lipoprotein lipase for the assay of serum triglyceride. Sugiura M, et al.
Chem Pharm Bull (Tokyo) 23(7):1417–20, Jul 75
Serum cholesterol and triglyceride levels in 3,446 children from a biracial community: the Bogalusa Heart Study. Frerichs RR, et al. **Circulation** 54(2):302–9, Aug 76
The association between serum triglycerides and gamma glutamyl transpeptidase activity in diabetes mellitus. Martin JV, et al. **Clin Biochem** 9(4):208–11, Aug 76
Triglyceride assay using the ABA-100. Owen VM.
Clin Biochem 9(2):99–103, Apr 76
Addition of triglyceride to serum for use in quality control and reference. Bonderman DP, et al. **Clin Chem** 22(8):1299–301, Aug 76
Evaluation of a new enzymatic kit for serum triglycerides. Carter T, et al. **Clin Chem** 22(4):520–4, Apr 76
Otimum kinetic enzymatic procedures for glucose and triglycerides in plasma and serum. DiCesare JL.
Clin Chem 21(10):1448–53, Sep 75
Manual and semi-automated procedures for measurements of triglycerides in serum. Giegel JL, et al. **Clin Chem** 21(11):1575–81, Oct 75
Simplified, totally enzymatic method for determination of serum triglycerides with a centrifugal analyzer. Grossman

SH, et al. **Clin Chem** 22(8):1310–3, Aug 76
Letter: Effect of mannitol (osmitrol) intoxication on serum 'triglyceride' values. Naito HK, et al. **Clin Chem** 22(6):935–6, Jun 76
Letter: Effect of two new serum–separating devices on results for cholesterol and triglycerides. Naito HK, et al. **Clin Chem** 22(6):936–7, Jun 76
Faster enzymatic procedure for serum triglycerides. Sampson EJ, et al. **Clin Chem** 21(13):1983–5, Dec 75
Letter: A lipase problem in an enzymatic procedure for serum triglycerides. Sampson EJ, et al. **Clin Chem** 22(4):558, Apr 76
New system for automated extraction and simultaneous determination of serum cholesterol and triglycerides. Wease DF, et al. **Clin Chem** 21(10):1430–6, Sep 75
An integrated approach to lipid profiling: enzymatic determination of cholesterol and triglycerides with a centrifugal analyzer. Wentz PW, et al. **Clin Chem** 22(2):188–92, Feb 76
Improved method for enzymatic determination of serum triglycerides. Ziegenhorn J. **Clin Chem** 21(11):1627–9, Oct 75
Letter: Faster continuous–flow analysis for triglycerides and cholesterol. Zyman H, et al. **Clin Chem** 22(4):558, Apr 76
Relationship of plasma uric acid to plasma lipids and lipoproteins in subjects with peripheral vascular disease. Ballantyne D, et al. **Clin Chim Acta** 70(2):323–8, 15 Jul 76
Factors involved in the determination of triglycerides in serum: an international study. Carter T, et al. **Clin Chim Acta** 70(3):433–47, 2 Aug 76
Serum lipid levels and the prevalence of hyperlipidaemia in Malaysia. Chong YH, et al. **Clin Chim Acta** 65(1):143–8, 15 Nov 75
A rapid quantitative determination of triglycerides by means of thin–layer chromatography. Mantel MJ, et al. **Clin Chim Acta** 63(3):297–302, 16 Sep 75
Stereospecific distribution of fatty acids in human plasma triglycerides. Parijs J, et al. **Clin Chim Acta** 66(1):43–52, 2 Jan 76
Cholesterol metabolism in hypertriglyceridaemia and the effects of treatment. Simons LA, et al. **Clin Chim Acta** 65(1):117–29, 15 Nov 75
Oestrogen induced hypertriglyceridaemia: role of the adrenal cortex. Afolabi SK, et al. **Clin Endocrinol (Oxf)** 5(3):203–8, May 76
Further evidence for the existence of genetically determined metabolic differences between Lp(a+) and Lp(a–) individuals. Dahlén G, et al. **Clin Genet** 9(3):357–64, Mar 76
One–year trials with halofenate, clofibrate, and placebo. Dujovne CA, et al. **Clin Pharmacol Ther** 19(3):352–9, Mar 76
Post–heparin plasma lipoprotein lipase and hepatic lipase in normal subjects and in patients with hypertriglyceridaemia: correlations to sex, age and various parameters of triglyceride metabolism. Huttunen JK, et al. **Clin Sci Mol Med** 50(4):249–60, Apr 76
Long–term efficacy of halofenate on serum triglyceride levels. Aronow WS, et al. **Curr Ther Res** 18(6):855–61, Dec 75
Insulin response to oral glucose in patients with a previous myocardial infarction and in patients with peripheral vascular disease. Hyperinsulinism and its relationships to hypertriglyceridemia and overweight. Sorge F, et al. **Diabetes** 25(7):586–94, Jul 76
Postprandial plasma glucose, insulin, glucagon and triglyceride responses to a standard diet in normal subjects. Ahmed M, et al. **Diabetologia** 12(1):61–7, Mar 76
Fatty acids incorporation into human adipose tissue in hypertriglyceridaemia. Carlson LA, et al. **Eur J Clin Invest** 6(3):195–211, 21 Jun 76
Removal of exogenous plasma triglycerides in forearm muscle and subcutaneous tissue of hyper–and normotriglyceridaemic men. Rössner S, et al. **Eur J Clin Invest** 6(4):299–305, 30 Jul 76
The metabolism of low density lipoprotein in endogenous hypertriglyceridaemia. Sigurdsson G, et al. **Eur J Clin Invest** 6(2):151–8, 31 Mar 76
Triglyceride metabolism in acute starvation: the role of secretin and glucagon. Stout RW, et al. **Eur J Clin Invest** 6(2):179–85, 31 Mar 76
Effect of estrogen on triacylglycerol metabolism: inhibtion of post–heparin plasma lipoprotein lipase by phosvitin, an estrogen–induced protein. Kelley JL, et al. **FEBS Lett** 67(1):28–31, 1 Aug 76
Studies of the hydrolyses of triacylglycerols in chylomicrons, very low– and low–density lipoproteins by C–i activated lipoprotein lipase from post–heparin plasma of normal human subjects. Lee DM, et al. **FEBS Lett** 64(1):163–8, 15 Apr 76
Quantification of triglyceride transport in blood plasma: a critical analysis. Havel RJ, et al. **Fed Proc** 34(13):2250–7, Dec 75 (32 ref.)
Triglyceride turnover: a comparison of simultaneous determinations using the radioglyceride and the lipolytic rate procedures. Steiner G, et al. **Fed Proc** 34(13):2258–62, Dec 75 (18 ref.)
The influence of plasma triglycerides on human growth hormone response to arginine and insulin: a study in hyperlipemics and normal subjects. Muggeo M, et al. **Horm Metab Res** 7(5):367–74, Sep 75
Effects of sitosterol therapy on plasma lipid and lipoprotein concentrations. pp. 117–24. Lees RS, et al. **In: Greten H, ed. Lipoprotein metabolism. Berlin, Springer, 1976. QU 85 S989L 1975.**
Factors affecting plasma triglyceride concentrations in man. pp. 11–6. Carlson LA. **In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974.** (14 ref.)
Type I hyperlipoproteinaemia. Two cases in an Asian family. Redheendran R. **Indian J Pediatr** 43(336):15–7, Jan 76
Thalassemia major with hypertriglyceridemia. Indira Bai K, et al. **Indian Pediatr** 12(9):929–31, Sep 75
Screening tests in hypertriglyceridemia thalassemia syndrome. Parande CM, et al. **Indian Pediatr** 12(7):593–8, Jul 75
Dietary regulation of serum lipids in healthy, young adults. Hill P, et al. **J Am Diet Assoc** 68(1):25–30, Jan 76
Prevalence and awareness of hyperlipoproteinemia in physicians and their spouses. Wen CP, et al. **J Am Diet Assoc** 68(1):31–3, Jan 76
Induction of hypertriglyceridemia by a low–fat diet. Ginsberg H, et al. **J Clin Endocrinol Metab** 42(4):729–35, Apr 76
Effects of intravenously administered fructose and glucose on splanchnic amino acid and carbohydrate metabolism in hypertriglyceridemic men. Wolfe BM, et al. **J Clin Invest** 56(4):970–7, Oct 75
Changes in plasma triglyceride fatty acids during lactation. Department of Animal Sciences, Washington State University, Pullman 99163.. **J Dairy Sci** 59(1):85–7, Jan 76
Proceedings: Oestrogen–induced hypertriglyceridaemia: the role of insulin. White C, et al. **J Endocrinol** 67(2):68P, Nov 75
Hypertriglyceridemia produced by endotoxin: role of impaired triglyceride disposal mechanisms. Kaufmann RL, et al. **J Infect Dis** 133(5):548–55, May 76
Plasma post–heparin lipolytic activity and triglyceride clearance in uremic and hemodialysis patients and renal allograft recipients. Ibels SL, et al. **J Lab Clin Med** 87(4):648–58, Apr 76
The direct relationship of proinsulin–insulin hypersecretion to basal serum levels of cholesterol and triglyceride in myotonic dystrophy. Poffenbarger PL, et al. **J Lab Clin Med** 87(3):384–96, Mar 76
Regulation of plasma lecithin:cholesterol acyltransferase in man. I. Increased activity in primary hypertriglyceridemia. Rose HG, et al. **J Lab Clin Med** 88(1):29–43, Jul 76
Halofenate and clofibrate: mechanism of hypotriglyceridemic action in the rat. Cenedella RJ, et al. **J Lipid Res** 17(2):156–66, Mar 76
Measurement of two plasma triglyceride lipases by an immunochemical method: studies in patients with hypertriglyceridemia. Greten H, et al. **J Lipid Res** 17(3):203–10, May 76
Rapid determination of serum triglycerides. Phuaphairoj S, et al. **J Med Assoc Thai** 58(10):547–50, Oct 75
Proceedings: Effect of electromagnetic energy on the formation of triglycerides: frequency influence. Deficis A, et al. **J Microwave Power** 11(2):137–8, Jun 76
Proceedings: Variation of serum triglycerides rate under the action of electromagnetic waves: power level influence. Deficis A, et al. **J Microwave Power** 11(2):136–7, Jun 76
Letter: Hypertriglyceridemia in homozygous beta thalassemia. Ameri MR, et al. **J Pediatr** 87(6 Pt 1):1002–3, Dec 75
Lipid metabolism in the neonate. I. The effects of Intralipid infusion on plasma triglyceride and free fatty acid concentrations in the neonate. Andrew G, et al. **J Pediatr** 88(2):273–8, Feb 76
Cardiovascular risk and use of estrogens or estrogen–progestagen combinations. Stanford three–community study. Stern MP, et al. **JAMA** 235(8):811–5, 23 Feb 76
Proceedings: Triglyceride, lipid peroxidation, and cathepsin in the serum of spontaneously hypertensive rats. Saito N, et al. **Jpn Heart J** 17(3):345–7, May 76
Letter: Diuretic–induced hypertriglyceridaemia. **Lancet** 1(7967):1019, 8 May 76
Letter: Enzyme induction and increased serum–triglyceride. Annoni G, et al. **Lancet** 1(7974):1414, 26 Jun 76
Type–IV hyperlipidaemia and weight–gain after maturity. Blacket RB, et al. **Lancet** 2(7934):517–20, 20 Sep 75
Glucagon resistance as a case of hypertriglyceridaemia. Elkeles RS, et al. **Lancet** 2(7975):18–20, 3 Jul 76
Enzyme induction as a possible cause of increased serum–trigylcerides after oral contraceptives. Martin JV, et al. **Lancet** 1(7969):1107–8, 22 May 76
Letter: Type–iv hyperlipidaemia. Wetzler E. **Lancet** 2(7946):1218, 13 Dec 75
Effect of A.C.T.H. on cholesterol and triglycerides in hyperlipoproteinaemia type V. Zamboni G, et al. **Lancet** 2(7979):264, 31 Jul 76
Di–(2–ethylhexyl)phthalate: an industrial plasticizer induces hypolipidemia and enhances hepatic catalase and carnitine acetyltransferase activities in rat and mice. Reddy JK, et al. **Life Sci** 18(9):941–5, 1 May 76
Lipid and lipoprotein measurements in a normal adult American population. Lindgren FT, et al. **Lipids** 10(12):750–6, Dec 75
Physiological and analytical variation in cholesterol and triglycerides. Warnick GR, et al. **Lipids** 11(3):203–8, Mar 76
Blood pressure, cholesterol and triglyceride lowering effects of portacaval anastomosis. Efficacy in the rat, associated with hepatic weight reduction and cardiac and renal hypertrophy. Edwards KD, et al. **Med J Aust** 1(13):450–1, 27 Mar 76
Evidence for diabetes mellitus and genetic forms of hypertriglyceridemia as independent entities. Brunzell JD, et al. **Metabolism** 24(10):1115–21, Oct 75
Myocardial infarction in the familial forms of hypertriglyceridemia. Brunzell JD, et al. **Metabolism** 25(3):313–20, Mar 76
Delayed clearance of chylomicron remnants following vitamin–A–containing oral fat loads in broad–beta disease (type III hyperlipoproteinemia). Hazzard WR, et al. **Metabolism** 25(7):777–801, JUL 76
Adipocyte metabolism in endogenous hypertriglyceridemia. Larsson B, et al. **Metabolism** 24(12):1375–89, Dec 75
Inhibition of lipoprotein lipase by uremic plasma, a possible cause of hypertriglyceridemia. Murase T, et al. **Metabolism** 24(11):1279–86, Nov 75
Serum lipoproteins and coronary heart disease in a population study of Hawaii Japanese men. Rhoads GG, et al. **N Engl J Med** 294(6):293–8, 5 Feb 76
Effect of weight reduction on insulin responsiveness and triglyceride levels in patients with endogenous hypertriglyceridaemia. De Vries O, et al. **Neth J Med** 17(4–5):212–19, 1974
Editorial: The problem with triglycerides. Heyden S. **Nutr Metab** 18(1):1–5, 1975
Polyunsaturated fatty acids in hyperlipoproteinemia. II. Administration of essential phospholipids in hypertriglyceridemia. Svanberg U, et al. **Nutr Metab** 17(6):338–46, 1974
Plasma triglyceride secretion in squirrel monkeys: effects of nicotine. Topping DL, et al. **Nutr Metab** 18(2):89–98, 1975
Type V hyperlipoproteinaemia: a family study. Raleigh J, et al. **NZ Med J** 82(551):300–1, 12 Nov 75
Serum total cholesterol, triglyceride and lipoprotein levels in a Japanese rural population. Tanaka H, et al. **Osaka City Med J** 21(1):1–14, 1975
Inheritance of endogenous hypertriglyceridaemia type IIB or IV. Nikkilä EA, et al. **Postgrad Med J** 51(8):32–6, 1975
Genetic variation in serum low density lipoproteins and lipid levels in man. Berg K, et al. **Proc Natl Acad Sci USA** 73(3):937–40, Mar 76
A comparison of the effects of an oral fructose load in hypertriglyceridaemic and normolipidaemic men. MacRae AR, et al. **Proc Nutr Soc** 34(2):54A–55A, Sep 75
The role of clearing–factor lipase (lipoprotein lipase) in the transport of plasma triglycerides. Robinson DS, et al. **Proc Nutr Soc** 34(3):211–5, Dec 75 (22 ref.)
Effect of insulin on plasma triglyceride concentration in hepatectomized geese. de Oya M, et al. **Rev Esp Fisiol** 32(2):99–102, Jun 76
Acute hemorrhagic pancreatitis with hypertriglyceridemia. Bartecchi CE, et al. **Rocky Mt Med J** 73(2):95–8, Mar–Apr 76
Cord blood cholesterol, triglyceride, and lipoprotein pattern from two districts in Norway. Grundt I, et al. **Scand J Clin Lab Invest** 36(3):261–4, May 76
Normal arterial blood gases during experimental hypertriglyceridemia in the rat. Mjös OD, et al. • **Scand J Clin Lab Invest** 35(7):645–8, Nov 75
Fatty acid patterns of serum triglycerides and subcutaneous adipose tissues after ileal bypass in obesity. Kallner A, et al. **Scand J Gastroenterol** 10(7):763–7, 1975
Evidence for a familial form of hypertriglyceridemia as disorders coupled with insulin resistance. Maruhama Y, et al. **Tohoku J Exp Med** 120(1):83–9, Sep 76
Relationship between insulin secretory function and endogenous hypertriglyceridemia in obese humans with insulin resistance. Maruhama Y, et al. **Tohoku J Exp Med** 119(4):357–67, Aug 76
Lipoprotein composition and lipoprotein interrelations in 50–year–old men with hyperlipoproteinaemia. Vessby B, et al. **Ups J Med Sci** 81(2):71–8, 1976
[Carbohydrate tolerance, serum insulin and triglycerides in coronary disease] Dobrev DG, et al. **Vutr Boles** 14(6):11–22, 1975 (Eng. Abstr.) **(Bul)**
[Reabsorption curve of total fats and triglycerides in lambliasis (author's transl)] Kvasz L, et al. **Cesk Gastroenterol Vyz** 29(7):449–53, Oct 75 (Eng. Abstr.) **(Cze)**
[Musculoskeletal symptoms and hyperlipoproteinemia type IV] Nielsen PM, et al. **Ugeskr Laeger** 138(4):223–5, 19 Jan 76 (Eng. Abstr.) **(Dan)**
[Proceedings: Effect of oestrogens and diet on lipids in the plasma of castrated rats of both sexes (author's transl)] Pottier C, et al. **Ann Endocrinol (Paris)** 36(2):115–6, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Proceedings: Influency of administration of testosterone propionate and diet on the hypertriglyceridemia and cholesterol by castrated rats of both sexes (author's transl)] Pottier C, et al. **Ann Endocrinol (Paris)** 36(6):385–6, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[Plasma triglyceride metabolism] Polonovski J. **C R Soc Biol (Paris)** 169(5):1129–44, 1975 (93 ref.) **(Fre)**
[Changes in several short–lived energy substrates in rats adapted or unadapted to high fat diets] pp. 18–21. Griglio S, et al. **In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974.** **(Fre)**
[Anxiety associated with hyperlipoproteinemia with and without obesity] Segers MJ, et al. **J Psychosom Res** 19(3):169–82, 1975 (Eng. Abstr.) **(Fre)**

[Oral vitamin A tolerance tests in hypertriglyceridemia (author's transl)] Buxtorf JC, et al. **Pathol Biol (Paris)** 24(4):271–5, Apr 76 (Eng. Abstr.) (Fre)

[Automation of extraction in the determination of blood triglyceride] Weill J, et al. **Pathol Biol (Paris)** 23(8):657–63, Oct 75 (Eng. Abstr.) (Fre)

[Reduction of serum triglycerides with a combined application of butylbiguanide and clofibrate in animal experiments] Beckmann VR. **Arzneim Forsch** 25(5):775–6, May 75 (Eng. Abstr.) (Ger)

[Etofibrate and clofibrate in a double-blind trial on patients with raised serum-lipid levels (author's transl)] Kaffarnik H, et al. **Dtsch Med Wochenschr** 100(48):2486–8, 28 Nov 75 (Eng. Abstr.) (Ger)

[Normal cholesterol and triglyceride levels in serum: comparison of enzymatic and colorimetric methods (author's transl)] Kattermann R, et al. **Dtsch Med Wochenschr** 101(25):953–7, 18 Jun 76 (Eng. Abstr.) (Ger)

[Post-heparin-lipolytic activity in acute ethanol-induced hyperlipoproteinemia (author's transl)] Schneider J, et al. **Klin Wochenschr** 54(3):141–3, 1 Feb 76 (Eng. Abstr.) (Ger)

[Treatment of primary hyperlipoproteinemias type IV with different biguanides (author's transl)] Weisweiler P, et al. **Klin Wochenschr** 54(6):283–5, 15 Mar 76 (Eng. Abstr.) (Ger)

[Serum lipids and serum lipoproteins in acute hepatitis. A correlation-statistical analysis] Atzpodien W, et al. **Med Welt** 27(29):1389–92, 16 Jul 76 (Ger)

[Type-V-hyperlipoproteinemia] Heckers H, et al. **Med Welt** 26(39):1766–74, 26 Sep 75 (Ger)

[The so-called risk factors in the diurnal profile and following acute alcohol intoxication] Hinz G, et al. **Med Welt** 27(10):458–62, 5 Mar 76 (Ger)

[Comparative clinico-pharmacological studies on the lipid lowering effect of EMO 100 and clofibrate] Leopold G, et al. **Med Welt** 6(35):1542–4, 29 Aug 75 (Ger)

[Effect of clofibrate on glucose tolerance and insulin secretion in patients with endogenous hypertriglyceridemia (author's transl)] Schwandt P, et al. **Munch Med Wochenschr** 118(12):351–4, 19 Mar 76 (Eng. Abstr.) (Ger)

[Hypertriglyceridemia in rats following glucose infusion—an animal experiment model for the study of type IV hyperlipemia pathogenesis] Heuck CC. **Verh Dtsch Ges Inn Med** 81:1446–9, 1975 (Ger)

[Diurnal changes in lipoproteins in patients with hyperlipoproteinemia type IV] Oster P, et al. **Verh Dtsch Ges Inn Med** 81:1442–3, 1975 (Ger)

[Influence of the conservative cholelitholytic therapy using chenodesoxycholic acid (CDC) on cholesterol and triglycerides in the blood of patients with gall stones] Caspary WF, et al. **Z Gastroenterol** 13(7):644–7, Nov 75 (Eng. Abstr.) (Ger)

[Editorial: Hypercholesterolemia and hypertriglyceridemia in childhood] Haldenberg D, et al. **Harefuah** 90(1):32–3, 1 Jan 76 (Heb)

[Coenzyme A and dyslipidemia. Note I. Rapid changes in lipid and lipoprotein levels induced with coenzyme A in humans] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1920–6, 30 Dec 75 (Ita)

[Coenzyme A and dyslipidemia. Note II. Rapid effects of CoA on primary and secondary hypertriglyceridemias] Consolo F, et al. **Boll Soc Ital Biol Sper** 51(24):1927–30, 30 Dec 75 (Ita)

[Dyslipidemias: triglyceridemia in dietetic treatment] Guarini G, et al. **Minerva Med** 66(66):3469–73, 6 Oct 75 (Ita)

[Relation between blood groups, blood cholesterol and triglyceride levels in a population sample aged 41 to 65 (preliminary results)] Sindoni L, et al. **Nuovi Ann Ig Microbiol** 25(4):271–83, Jul-Aug 74 (Eng. Abstr.) (Ita)

[Consecutive six year follow-up study on serum triglyceride levels in patients with PCB poisoning (author's transl)] Okumura M, et al. **Fukuoka Acta Med** 66(10):620–3, Oct 75 (Eng. Abstr.) (Jpn)

[Carbohydrate-induced lipemia] Nakamura H. **Jpn J Clin Med** 33(11):3163–8, 10 Nov 75 (Jpn)

[Determination method of the serum triglyceride and its clinical study (author's transl)] Nishimoto S. **Jpn J Clin Pathol** 23(3):164–7, Mar 75 (Jpn)

[Atherosclerosis and hypertriglyceremia in chronic renal failure] Lutz W. **Pol Tyg Lek** 31(25):1089–91, 21 Jun 76 (32 ref.) (Pol)

[Lipoprotein lipase activity and PHLA inhibitors level in acute pancreatitis (author's transl)] Kinalska I, et al. **Przegl Lek** 33(2):311–5, 1976 (Eng. Abstr.) (Pol)

[Results of triglicerides assessment in a male population (author's transl)] Sznajd J, et al. **Przegl Lek** 33(6):611–7, 1976 (Eng. Abstr.) (Pol)

[The effect of an epiphyseal extract on regulation of fat-carbohydrate metabolism] Ostroumova MN, et al. **Probl Endokrinol (Mosk)** 22(3):66–9, May-Jun 76 (Eng. Abstr.) (Rus)

[Use of a micromethod for determination of blood triglyceride content in phenotyping of hyperlipoproteinemias] Revutskii EL, et al. **Vrach Delo** (5):51–4, May 75 (Eng. Abstr.) (Rus)

[Report of a case of hypertriglyceridemia induced by fat (author's transl)] María Ras R, et al. **Folia Clin Int (Barc)** 25(6):361–71, Jun 75 (Spa)

CHEMICAL SYNTHESIS

A versatile, flexible synthesis of 1,3-diglycerides and tryglycerides. Mank AP, et al. **Chem Phys Lipids** 16(2):107–14, Mar 76

METABOLISM

Defective triglyceride removal in lipemia associated with peritoneal dialysis and haemodialysis. Cattran DC, et al. **Ann Intern Med** 85(1):29–33, Jul 76

Quantitative analysis of metabolism of hepatic triglyceride in ethanol-treated rats. Abrams MA, et al. **Biochem J** 156(1):33–46, 15 Apr 76

A study of the interrelationship between the triacylglycerol and protein components of very-low-density lipoproteins using the perfused rat liver. Petersburg SJ, et al. **Biochem J** 150(3):315–21, Sep 75

Comparison of hepatic triglyceride content and hepatic lipid secretion after various doses of ethanol. Estler CJ. **Biochem Pharmacol** 24(20):1871–3, 15 Oct 75

Effect of long-term therapy with an oral contraceptive on some aspects of hepatic lipid metabolism in vitro. Weinstein I, et al. **Biochem Pharmacol** 24(17):1583–8, 1 Sep 75

Increased hepatic triacylglycerol secretion in fasted rats with ventromedial hypothalamic lesions. Lovo A, et al. **Biochim Biophys Acta** 409(1):51–8, 21 Oct 75

Triacylglycerol contents and in vivo lipogenesis of ob/ob, db/db and Avy/a mice. Yen TT, et al. **Biochim Biophys Acta** 441(2):213–20, 23 Aug 76

Lipoprotein lipase and uptake of chylomicron triacylglycerol and cholesterol by perfused rat mammary tissue. Zinder O, et al. **Biochim Biophys Acta** 431(3):526–37, 22 Jun 76

Triglyceride mobilization in cultured adipocytes of human infants. Adebonojo FO. **Biol Neonate** 29(1-2):77–81, 1976

Hydrolysis of particulate tributyrin in a fluidized lipase reactor. Lieberman RB, et al. **Biotechnol Bioeng** 17(10):1401–19, Oct 75

Triglyceride lipase activity in bovine aorta. Filipovic I, et al. **Blood Vessels** 12(4):236–47, 1975

The effect of ascorbic acid given to patients on chronic anticoagulant therapy. Dedichen J. **Boll Soc Ital Cardiol** 18(7/8):0-2, 1973

Differential lipid deacylation during brain ischemia in a homeotherm and a poikilotherm. Content and composition of free fatty acids and triacylglycerols. Aveldaño MI, et al. **Brain Res** 100(1):99–110, 12 Dec 75

Mechanism of the intestinal absorption of drugs from oil-in-water emulsions. VI. Absorption of lipid-soluble dyes from tributyrin and triolein emulsions in rat small intestine. Noguchi T, et al. **Chem Pharm Bull (Tokyo)** 23(4):775–81, Apr 75

Partial deficiency of acid lipase with storage of triglycerides and cholesterol esters in liver. Genetic variant of Wolman's disease? Suzuki Y, et al. **Clin Chim Acta** 69(2):219–24, 1 Jun 76

Effect of nutritional status on rat adipose tissue, muscle and post-heparin plasma clearing factor lipase activities: their relationship to triglyceride fatty acid uptake by fat-cells and to plasma insulin concentrations. Cryer A, et al. **Clin Sci Mol Med** 50(3):213–21, Mar 76

The effect of pressure and temperature on phospholipid and triglyceride fatty acids of fish white muscle: a comparison of deepwater and surface marine species. Patton JS. **Comp Biochem Physiol [B]** 52(1):105–10, 15 Sep 75

Modulation of fatty acid metabolism by glucagon in man. III. Role of pharmacologic limitation of FFA availability. Schade DS, et al. **Diabetes** 24(11):1020–6, Nov 75

Colchicine administration to mice: a metabolic and ultrastructural study. Singh A, et al. **Eur J Clin Invest** 5(6):495–505, 21 Nov 75

The in vitro effect of adrenergic agents and related compounds on triglyceride levels of guinea-pig lymphoid cells. Kigoshi S, et al. **Experientia** 32(2):243–4, 15 Feb 76

Turnover of free fatty acids and triglyceride: an overview. Vranic M. **Fed Proc** 34(13):2233–7, Dec 75

The triglyceride content of adipocytes and plasma of patients with diabetes mellitus. Reckless JP, et al. **Horm Metab Res** 7(5):407–10, Sep 75

Triglyceride catabolism in plasma. pp. 99–101. Greten H.

In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974.

Factors affecting plasma lipoprotein concentration: influence of insulin, glucagon, catecholamine, and thyroid. pp. 44–8. Sailer S.

In: Hautvast JGAJ, et al., ed. Blood and arterial wall in atherogenesis and arterial thrombosis. Leiden, Brill, 1975. WG 550 B655 1974. (21 ref.)

The control of triglyceride metabolism in human adipose tissue in obesity. pp. 125–31. Galton DJ, et al.

In: Jéquier E, ed. Régulation du bilan d'énergie chez l'homme. Genève, Editions Médecine et Hygiène, 1975. QU 125 R344 1974.

Simple media containing stabilized tributyrin for demonstrating lipolytic bacteria in foods and soils. Mourey A, et al. **J Appl Bacteriol** 40(1):47–51, Feb 76

Reversal of decreased human adipose tissue lipoprotein lipase and hypertriglyceridemia after treatment of hypothyroidism. Pykäläistö O, et al. **J Clin Endocrinol Metab** 43(3):591–600, Sep 76

Sex steroid influence on triglyceride metabolism. Kim HJ, et al. **J Clin Invest** 56(4):888–96, Oct 75

Characterization of remnants produced during the metabolism of triglyceride-rich lipoproteins of blood plasma and intestinal lymph in the rat. Mjos OD, et al. **J Clin Invest** 56(3):603–15, Sep 75

Effect of pregnancy and lactation on triglycerides of very-low-density lipoproteins of rat plasma. Smith RW, et al. **J Dairy Sci** 59(5):876–9, May 76

Fatty acid metabolism via triglyceride in the salmon heart. Patton S, et al. **J Mol Cell Cardiol** 7(11):857–65, Nov 75

Effect of dietary fat on hepatic metabolism of 14C-oleic acid and very low density lipoprotein triglyceride in the gerbil. Nicolosi RJ, et al. **J Nutr** 106(9):1279–85, Sep 76

Alterations of lipid metabolism by contraceptive steroids. Beck P. **J Steroid Biochem** 6(6):957–9, Jun 75 (58 ref.)

Tumor extracellular triglycerides in mice during growth of Ehrlich ascites carcinoma. Kannan R, et al. **Lipids** 10(12):770–2, Dec 75

Specificity of digestive lipases in hydrolysis of wax esters and triglycerides studied in anchovy and other selected fish. Patton JS, et al. **Lipids** 10(10):575–83, Oct 75

Glucocorticoids and triglyceride transport: effects on triglyceride secretion rates, lipoprotein lipase, and plasma lipoproteins in the rat. Bagdade JD, et al. **Metabolism** 25(5):533–42, May 76

Cholesterol esterification and lipids in plasma and liver from newborn and young guinea pigs raised on milk and non-milk diet. Drevon CA, et al. **Nutr Metab** 18(3):137–51, 1975

Hepatic triglyceride storage and ketonemia in rats fed high fat diets. Griglio S, et al. **Nutr Metab** 19(3–4):131–44, 1975

Metabolism of liver triacylglycerols in rats tube-fed a threonine-devoid diet. Johnson O, et al. **Nutr Metab** 20(1):27–40, 1976

Nutritional regulation of lipid metabolism in rats. VII. Effect of overnight fasting on liver lipids of rats fed different levels of essential fatty acids. Sugano M, et al. **Nutr Metab** 19(1-2):65–72, 1975

MCT absorption by preterm infants. **Nutr Rev** 34(3):71–3, Mar 76 (7 ref.)

Triglyceride metabolism in epididymal adipose tissue of obese animals. Okuda H. **Pharmacol Biochem Behav** 3(1 Suppl):145–7, 1975

Effects, in the rat, of early carbohydrate feeding on carbohydrate-lipid relationships. Macdonald I, et al. **Proc Nutr Soc** 34(2):56A–57A, Sep 75

Different lipolytic effects of theophylline and dibutyryl cyclic AMP in vivo and in vitro. Baum D, et al. **Proc Soc Exp Biol Med** 151(2):244–8, Feb 76

Transmural gradients in the ischemic dog left ventricle: metabolism of endogenous triglycerides and glycogen. Crass MF 3d, et al. **Recent Adv Stud Cardiac Struct Metab** 7:225–30, 1975

Heart triglyceride and glycogen metabolism: effects of catecholamines, dibutyryl cyclic AMP, theophylline, and fatty acids. Crass MF 3rd. **Recent Adv Stud Cardiac Struct Metab** 3:275–90, 1973

Mechanism of ethanol-induced triglyceride accumulation in the rabbit heart. Kako KJ, et al. **Recent Adv Stud Cardiac Struct Metab** 1:596–604, 1972

Heart triglycerides in health and disease. Shipp JC, et al. **Recent Adv Stud Cardiac Struct Metab** 3:179–204, 1973 (254 ref.)

The effect of tobacco smoke and some of its constitutents on triglyceride secretion in the squirrel monkey. Turner DM, et al. **Res Commun Chem Pathol Pharmacol** 12(1):85–100, Sep 75

Serum enzyme activities and hepatic triglyceride levels in acute and subacute acetaminophen-treated rats. Buttar HS, et al. **Toxicology** 6(1):9–20, Jun 76

[Histochemical and ultrastructural study of normal skin in subjects with type IV hyperlipemia] Balas D, et al. **Ann Dermatol Syphiligr (Paris)** 102(4):423–8, 1975 (Fre)

[Action of isopropanol on rat lipid metabolism: complementary studies on mechanisms implicated in hepatic accumulation of triacylglycerides] Beaugé F, et al. **Arch Int Physiol Biochim** 83(3):573–91, Aug 75 (Eng. Abstr.) (Fre)

[Short term comparative study of effects of n-9 trans-docosenoic (brassidic) acid and n-9, cis-docosenoic (erucic) acid on the cardiac lipids of weanling rats] Rocquelin G, et al. **Nutr Metab** 19(3–4):113–26, 1975 (Eng. Abstr.) (Fre)

[The triglycerides with medium chains] Bach A. **Z Ernaehrungswiss** 14(2):84–93, Jun 75 (Eng. Abstr.) (Fre)

[Triglyceride metabolism in healthy subjects and patients with hyperlipemia following administration of a standardized high-caloric carbohydrate and fat meal] Wessels G, et al. **Verh Dtsch Ges Inn Med** 81:1418–20, 1975 (Ger)

[The effect of exogenous insulin upon the plasma clearance rate of triglycerides given intravenously] Gürler A, et al. **Turk Tip Dern Derg** 39(12):439–49, 1973 (Eng. Abstr.) (Tur)

PHARMACODYNAMICS

Effects of medium chain triglycerides on portal and arterial levels of insulin, FFA and glucose in patients with pancreatic disease. Röjdmark S. **Acta Med Scand** 198(1-2):123–6, Jul-Aug 75

Gastric inhibitory polypeptide (GIP). Intestinal distribution and stimulation by amino acids and medium-chain triglycerides. O'Dorisio TM, et al. **Am J Dig Dis** 21(9):761–5, Sep 76

Intermediary hepatic metabolism of rat after oral medium chain triglyceride load. Phan T, et al. **Arch Int Physiol Biochim** 83(4):723–33, Oct 75

Gastric inhibitory polypeptide. Its physiologic release and insulinotropic action in the dog. Pederson RA, et al. **Diabetes** 24(12):1050–6, Dec 75

Contrasting effects on plasma lipoproteins of intravenous versus oral administration of a triglyceride–phospholipid emulsion. Thompson GR, et al. **Eur J Clin Invest** 5(5):373–84, 12 Sep 75

Dissociation of beta–hydroxy–beta–methylglutaryl–CoA reductase activity from the overall rate of cholesterol synthesis in the liver following the intravenous administration of lipid. Nervi FO, et al. **J Biol Chem** 251(12):3831–3, 25 Jun 76

Relation of ketosis to metabolic changes induced by acute medium–chain triglyceride feeding in rats. Yeh YY, et al. **J Nutr** 106(1):58–67, Jan 76

Influence of a long or medium chain triglyceride diet on intermediary hepatic metabolism of the rat. Bach A, et al. **Nutr Metab** 19(1–2):103–10, 1975

Effect of lipid emulsions on the plasma lecithin: cholesterol acyltransfer in guinea pigs. Drevon CA, et al. **Nutr Metab** 19(3–4):180–91, 1975

Glycerol, propylene glycol and triacetin as dietary starch substitutes: some effects on rats. Shapira J, et al. **Proc West Pharmacol Soc** 18:339–43, 1975

The enteroglucagon response to intrajejunal infusion of glucose, triglycerides, and sodium chloride, and its relation to jejunal inhibition of gastric acid secretion in man. Holst JJ, et al. **Scand J Gastroenterol** 11(3):297–304, 1976

[Fat–emulsions and acid–base balance in neonates of low weight at birth (author's transl)] Melichar V, et al. **Klin Paediatr** 187(5):443–7, Sep 75 (Eng. Abstr.) **(Ger)**

SECRETION

Metabolism of lipoproteins in nonhuman primates. Reduced secretion of very low density lipoproteins in squirrel monkeys with diet–induced hypercholesterolemia. Illingworth DR, et al. **Atherosclerosis** 22(3):325–34, Nov–Dec 75

The effect of fenfluramine and its derivatives on triglyceride secretion by the liver of the rabbit. Kaye JP, et al. **Postgrad Med J** 51 Suppl 1:95–9, 1975

TRIHEXYPHENIDYL

ADVERSE EFFECTS

Anticholinergic exacerbation of phenothiazine–induced extrapyramidal syndrome. Alpert M, et al. **Am J Psychiatry** 133(9):1073–5, Sep 76

Letter: Dependence on antiparkinsonian drugs. Marriott P. **Br Med J** 1(6002):152, 17 Jan 76

[Immunoblastic lymphoid hyperplasia resembling a tumour, due to drug hypersensitivity (author's transl)] Diebold J, et al. **Arch Anat Cytol Pathol** 24(3):189–94, 1976 (Eng. Abstr.) **(Fre)**

[Drug–induced mental confusion during chemotherapy of psychiatric diseases. Possible role of trihexyphenidyl] Brion S, et al. **Therapie** 30(3):447–50, May–Jun 75 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Determination of ridinol and cyclodol by an extractive photometric method] Bubon NT, et al. **Farmatsiia** 24(3):45–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Impaired absorption of chlorpromazine in rats given trihexyphenidyl. Rivera–Calimlim L. **Br J Pharmacol** 56(3):301–5, Mar 76

Actions of trihexyphenidyl and benztropine on squid axon membranes. Wu CH, et al. **J Pharmacol Exp Ther** 197(1):135–41, Apr 76

A longitudinal therapeutic comparison between two prototypic neuroleptics (haloperidol and chlorpromazine) in matched groups of schizophrenics. Nontherapeutic interactions with trihexyphenidyl. Theoretical implications for potency differences. Singh MM, et al. **Psychopharmacologia** 43(2):115–21, 21 Aug 75

THERAPEUTIC USE

Hereditary Parkinsonism–dystonia with sustained control by L–DOPA and anticholinergic medication. Allen N, et al. **Adv Neurol** 14:201–13, 1976

Amantadine versus trihexyphenidyl in the treatment of neuroleptic–induced parkinsonism. Fann WE, et al. **Am J Psychiatry** 133(8):940–3, Aug 76

Letter: Symptomatic care of patients with amyotrophic lateral sclerosis.. **JAMA** 235(24):2584–5, 14 Jun 76

TRIHYDROXYPREGNADIENES see **PREGNADIENETRIOLS**

TRIIODOBENZOIC ACID see under **IODOBENZOATES**

TRIIODOTHYRONINE

Preparation of 125I–thyroxine and 125I–triiodothyronine of high specific activity for the radioimmunoassay of serum total T4 and T3. Thurlow VR, et al. **Ann Clin Biochem** 13(2):364–8, Mar 76

Triiodothyronine–induced thyrotoxicosis in ophthalmic Graves disease. Eliopoulos G, et al. **Arch Intern Med** 135(9):1242–4, Sep 75

NMR–studies of triiodothyropropionic acid in ethanol–HCl. Mazzocchi PH, et al. **Experientia** 32(4):419–20, 15 Apr 76

Thyroxine–protein interactions. Interaction of thyroxine and triiodothyronine with human thyroxine–binding globulin. Korcek L, et al. **J Biol Chem** 251(12):3558–62, 25 Jun 76

[Investigation on the synthesis of 125I labelled triiodothyronine and thyroxine of high specific radioactivity (author's transl)] Ködding R, et al. **Z Klin Chem Klin Biochem** 13(12):563–9, Dec 75 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Interaction between thyroid hormones and erythrocyte membranes: competitive inhibition of binding 131 I–L–triiodothyronine and 131 I–L–thyroxine by their analogs. Singh SP, et al. **Endocr Res Commun** 3(2):119–31, 1976

Comparison of the metabolism and distribution of L–triiodothyronine and triiodothyroacetic acid in the rat: a possible explanation of differential hormonal potency. Goslings B, et al. **Endocrinology** 98(3):666–75, Mar 76

Theoretical studies of thyroid hormone analogs. Kollman PA, et al. **Experientia** suppl 23:193–7, 1976

Potency of thyroid hormone analogues in suppressing prolactin–mediated mammary growth in thyroidectomized rats. Mittra I. **Experientia** 31(10):1218–21, 15 Oct 75

Thyroid hormone stereochemistry. IV. Molecular conformation of 3'–isopropyl–3,5–diiodo–L–thyronine in the crystal and in solution. Fawcett JK, et al. **J Am Chem Soc** 98(2):587–91, 21 Jan 76

Binding of selected iodothyronine analogues to receptor sites of isolated rat hepatic nuclei. High correlation between structural requirements for nuclear binding and biological activity. Koerner D, et al. **J Biol Chem** 250(16):6417–23, 25 Aug 75

Confromation of thyroid hormone analogues. Emmett JC, et al. **Nature** 257(5524):334–6, 25 Sep 75

[The effect of structural analogs of triiodo–3,5,3'–L–thyronine on the activity of glutamate dehydrogenase and isocitrate dehydrogenase of liver and cardiac mitochondria and liver alcohol dehydrogenase in vivo and in vitro] Goudonnet H, et al. **Biochem Pharmacol** 24(18):1679–85, 15 Sep 75 (Eng. Abstr.) **(Fre)**

[Characteristics of the inhibition of glutamate, isocitrate and alcohol dehydrogenases by formic, acetic and propionic analogs of triiodo–3,5,3'–L–thyronine] Goudonnet H, et al. **Biochem Pharmacol** 24(18):1587–94, 15 Sep 75 (Eng. Abstr.) **(Fre)**

[Overweight and thymo–affective disorders. Results of treatment with Triac] Pluvinage R, et al. **Sem Hop Ther** 51(1):11–4, Jan 75 **(Fre)**

ANALYSIS

Radioimmunoassay and saturation analysis. Thyroid hormones. Burke CW, et al. **Br Med Bull** 30(1):93–9, Jan 74

Thyroidal triiodothyronine and thyroxine in Graves' disease: correlation with presurgical treatment, thyroid status, and iodine content. Larsen PR. **J Clin Endocrinol Metab** 41(06):1098–104, Dec 75

Iodoamino acid content and distribution in normal and abnormal human thyroids. Volpert EM, et al. **J Clin Endocrinol Metab** 41(3):446–52, Sep 75

Editorial: Reverse tri–iodothyronine and fetal thyroid state. Fisher DA. **N Engl J Med** 293(15):770–2, 9 Oct 75

[Physiological and clinical importance of triiodothyronine in the evaluation of thyroideal hormone secretion] Medeiros–Neto G. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):123–6, Mar–Apr 76 **(Por)**

BIOSYNTHESIS

Evidence for differential synthesis of thyroxine and tri–iodothyronine by cultured human thyroid cells following exposure to thyrotrophin or dibutyryl cyclic AMP. Bidey SP, et al. **Biochem Biophys Res Commun** 70(2):418–24, 17 May 76

Conversion of thyroxine into tri–iodothyronine by rat liver homogenate. **Biochem J** 150(3):489–93, Sep 75

Subcellular localization of a rat liver enzyme converting thyroxine into tri–iodothyronine and possible involvement of essential thiol groups. Visser TJ, et al. **Biochem J** 157(2):479–82, 1 Aug 76

Defective thyroglobulin synthesis in an experimental rat thyroid tumor: iodination and thyroid hormone synthesis in isolated tumor thyroglobulin. Monaco F, et al. **Endocrinology** 97(2):347–51, Aug 75

Formation of 3,3'–diiodothyronine and 3',5',3–triiodothyronine (reverse T3) in thyroid glands of rats and in enzymatically iodinated thyroglobulin. Taurog A, et al. **Endocrinology** 99(1):281–90, Jul 76

An assessment of daily production and significance of thyroidal secretion of 3, 3', 5'–triiodothyronine (reverse T3) in man. Chopra IJ. **J Clin Invest** 58(1):32–40, Jul 76

Defective neutrophil chemotaxis in bone marrow transplant patients. Clark RA, et al. **J Clin Invest** 58(1):22–31, Jul 76

[In vitro biosynthesis of iodothyronines from diiodo–3,5–L–tyrosyl–diiodo–3,5–L–tyrosine (author's transl)] Maurizis JC, et al. **Biochim Biophys Acta** 404(2):188–201, 9 Oct 75 (Eng. Abstr.) **(Fre)**

[Peripheral conversion of T4 and T3 in man] Glöbel B, et al. **Nucl Med (Stuttg)** 14(2):106–18, 30 June 75 (Eng. Abstr.) **(Ger)**

BLOOD

Normal response to thyrotrophin releasing hormone (TRH) in familial thyroxine–binding globulin deficiency. Hansen E, et al. **Acta Endocrinol (Kbh)** 80(2):279–301, Oct 75

Human lymphocyte binding and deiodination of thyroid hormones in relation to thyroid function. Holm AC, et al. **Acta Endocrinol (Kbh)** 80(4):642–56, Dec 75

Triiodothyronine binding to lymphocytes from euthyroid subjects and a patient with peripheral resistance to thyroid hormone. Liewendahl K. **Acta Endocrinol (Kbh)** 83(1):64–70, Sep 76

Rapid simultaneous radioimmunoassay for the measurement of triiodothyronine and thyroxine in unextracted human serum. Ljunggren JG, et al. **Acta Endocrinol (Kbh)** 81(3):487–94, Mar 76

The thyroid in ulcerative colitis and Crohn's disease. V. Triiodothyronine. Effect of corticosteroids and influence of severe disease. Järnerot G, et al. **Acta Med Scand** 199(3):229–32, 1976

Measurements of free and total serum T3 and T4 in pregnant subjects and in neonates. Avruskin TW, et al. **Am J Med Sci** 271(3):309–15, May–Jun 76

Observations on the automated calculation of radioimmunoassay results. Challand GS, et al. **Ann Clin Biochem** 13(2):354–60, Mar 76

Proceedings: Serum T3–RIA. A reevaluation. Savoie JC, et al. **Ann Endocrinol (Paris)** 36(3):171–2, May–Jun 75

Serum tri–iodothyronine, thyroxine, and thyrotrophin concentrations in newborns during the first 2 days of life. Similä S, et al. **Arch Dis Child** 50(7):565–7, Jul 75

T4 thyrotoxicosis with normal or low serum T3 concentration. Joasoo A. **Aust NZ J Med** 5(5):432–4, Oct 75

Circulating thyroid hormone concentrations and posture and venous compression. Judd SJ, et al. **Br Med J** 4(5999):735–6, 27 Dec 75

Editorial: Clinical application of triiodothyronine measurement. Reynolds C. **Can Med Assoc J** 115(4):296, 21 Aug 76

Triiodothyronine and thyroxine interrelationships in health and disease. Walfish PG. **Can Med Assoc J** 115(4):338–42, 21 Aug 76

A reproducible estimation of triiodothyronine uptake. Locong AH. **Clin Biochem** 9(1):30–4, Feb 76

Simplified radioimmunoassay for triiodothyronine: evaluation of a new commercial kit. Balachandran S, et al. **Clin Chem** 22(8):1402–4, Aug 76

Letter: Triiodothyronine radioimmunoassay: incubation time, temperature, and antisera. Standefer JC. **Clin Chem** 22(3):396–7, Mar 76

Radioimmunoassay for 3,3',5'–triiodothyronine (reverse T3, R–T3) in unextracted human serum. Hüfner M, et al. **Clin Chim Acta** 69(3):497–504, 15 Jun 76

Simple solid–phase radioimmunoassays for total tri–iodothyronine and thyroxine in serum, and their clinical evaluation. Seth J, et al. **Clin Chim Acta** 68(3):291–301, 3 May 76

The relationship between serum creatine kinase and thyroid hormones: in vivo and in vitro studies. Smith DP. **Clin Chim Acta** 68(3):333–8, 3 May 76

The influence of thyroxine on the serum free triiodothyronine concentration. Yamamoto T, et al. **Clin Chim Acta** 67(3):223–30, 15 Mar 76

Delayed adjustment of the pituitary response to variations in circulating thyroid hormones in a case of subacute thyroiditis. Demeester–Mirkine N, et al. **Clin Endocrinol (Oxf)** 5(1):9–13, Jan 76

Triiodothyronine response to thyrotrophin releasing hormone in patients with hypothalamic–pituitary disorders. Faglia G, et al. **Clin Endocrinol (Oxf)** 4(6):585–90, Nov 75

Serum triiodothyronine levels in patients receiving L–thyroxine. Kahn A. **Clin Pharmacol Ther** 19(5 Pt 1):523–30, May 76

Serum T3 level in the patients with hyperthyroidism after therapy. Hachiya T, et al. **Endocrinol Jpn** 22(3):255–60, Jun 75

Alteration of thyroidal responsiveness to TSH under the influence of circulating thyroid hormone: short feed–back regulatory effect. Shishiba Y, et al. **Endocrinol Jpn** 22(4):367–71, Aug 75

Changes in plasma thyroxine, triiodothyronine, and TSH during adaptation to iodine deficiency in the rat. Fukuda H, et al. **Endocrinology** 97(2):307–14, Aug 75

Changes in plasma thyrotrophin, thyroxine, and triiodothyronine after acute or chronic administration of iodide to iodine–deficient rats. Fukuda H, et al. **Endocrinology** 97(5):1196–204, Nov 75

Nyctohemeral and sex–related variations in plasma thyrotropin, thyroxine and triiodothyronine. Fukuda H, et al. **Endocrinology** 97(6):1424–31, Dec 75

Influence of superoxide dismutase and catalase on the stimulation by phagocytosis of L–thyroxine and L–triiodothyronine deiodination in the human leukocyte. Woeber KA. **Endocrinology** 99(3):887–90, Sep 76

Blood serum thyroxine and triiodothyronine in men over

sixty. Pawlikowski T, et al. **Endokrynol Pol** 26(6):593–601, Nov–Dec 75

Total and free triiodothyronine and thyroid–binding globulin concentration in elderly human persons. Hesch RD, et al. **Eur J Clin Invest** 6(2):139–45, 31 Mar 76

The response of thyrotropin and triiodothyronine to various doses of thyrotropin releasing hormone in normal man. Weeke J. **Eur J Clin Invest** 5(6):447–53, 21 Nov 75

Serum thyroid hormone levels in patients on thyroxine replacement therapy. Murchison LE, et al. **Horm Metab Res** 8(4):324–5, Jul 76

Serum triiodothyronine in simple nontoxic goiter in Sicily. Trimarchi F, et al. **Horm Metab Res** 7(6):528–9, Nov 75

Variations of thyroxine (T3 and T4) during thyroid surgery. pp. 353–6. Garcia Perla JL, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Serum levels of T3, T4 and TSH after different modes of TRH administration. pp. 136–40. Loos U, et al.
In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.

Triiodothyronine radioimmunoassay and its application to thyroid disorders. Eisenstein Z, et al. **Isr J Med Sci** 12(1):1–10, Jan 76

Circadian variations in concentrations of plasma thyroxine and triiodothyronine in man. Balsam A, et al. **J Appl Physiol** 39(2):297–9, Aug 75

Correlation of long–acting thyroid stimulator with serum levels of tri–iodothyronine, thyroxine and thyrotropin in Graves' disease. Sawhney RC, et al. **J Assoc Physicians India** 23(2):111–4, Feb 75

Plasma thyrotropin, thyroxine, and triiodothyronine relationships in man. Azukizawa M, et al. **J Clin Endocrinol Metab** 43(3):533–42, Sep 76

Resin hemoperfusion: a method of removing circulating thyroid hormones. Burman KD, et al. **J Clin Endocrinol Metab** 42(1):70–8, Jan 76

Sensitivity to lithium in treated Graves' disease: effects on serum T4, T3 and reverse T3. Burman KD, et al. **J Clin Endocrinol Metab** 43(3):606–13, Sep 76

Opposite effects of dexamethasone on serum concentrations of 3,3',5'–triiodothyronine (reverse T3) and 3,3'5–triiodothyronine (T3). Chopra IJ, et al. **J Clin Endocrinol Metab** 41(5):911–20, Nov 75

Reciprocal changes in serum concentrations of 3,3',5–triiodothyronine (T3) in systemic illnesses. Chopra IJ, et al. **J Clin Endocrinol Metab** 41(06):1043–9, Dec 75

Thyroid–stimulating immunoglobulins and the control of thyroid function. Clague R, et al. **J Clin Endocrinol Metab** 43(3):550–6, Sep 76

Dexamethasone suppression of serum T3 and T4. Degroot LJ, et al. **J Clin Endocrinol Metab** 42(5):976–8, May 76

Hyperthyroidism with normal concentrations of total serum thyroxine and triiodothyronine. Gerstner JB, et al. **J Clin Endocrinol Metab** 42(1):64–9, Jan 76

Radioimmunoassay for 3,3',5'–triiodo–L–thyronine in unextracted serum: method and clinical results. Nicod P, et al. **J Clin Endocrinol Metab** 42(5):823–9, May 76

Total and free thyroxine and triiodothyronine in normal and complicated pregnancy. Osathanondh R, et al. **J Clin Endocrinol Metab** 42(1):98–104, Jan 76

Effect of caloric restriction and dietary composition of serum T3 and reverse T3 in man. Spaulding SW, et al. **J Clin Endocrinol Metab** 42(1):197–200, Jan 76

Effect of acute increases in serum triiodothyronine on TSH and prolactin responses to TRH, and estimates of pituitary stores of TSH and prolactin in normal subjects and in patients with primary hypothyroidism. Wartofsky L, et al. **J Clin Endocrinol Metab** 42(3):443–58, Mar 76

Triiodothyronine (T3)–binding immunoglobulins in a euthyroid woman: effects on measurement of T3 (RIA) and on T3 turnover. Wu SY, et al. **J Clin Endocrinol Metab** 42(4):642–52, Apr 76

Reduced peripheral conversion of thyroxine to triiodothyronine in patients with hepatic cirrhosis. Nomura S, et al. **J Clin Invest** 56(3):643–52, Sep 75

A comparison of in vitro methods in the assessment of thyroid status. Gimlette TM, et al. **J Nucl Biol Med** 19(3):155–61, Jul–Sep 75

Effects of plasma proteins on the radioimmunoassay of triiodothyronine. Malvano R, et al. **J Nucl Biol Med** 19(2):94–104, Apr–Jun 75

Letter: Measurement of serum triiodothyronine concentrations. Heise CM. **J Nucl Med** 17(7):665–7, Jul 76

Rapid radioimmunoassay of triiodothyronine on Sephadex G–25 by the Ames kit. Howorth PJ, et al. **J Nucl Med** 17(4):321–2, Apr 76

A simple and rapid radioimmunoassay of triiodothyronine in unextracted serum. Premachandra BN. **J Nucl Med** 17(5):411–6, May 76

Simultaneous measurement of percentage free thyroxine and triiodothyronine: comparison of equilibrium dialysis and Sephadex chromatography. Snyder SM, et al. **J Nucl Med** 17(7):660–4, Jul 76

Postnatal changes in total and free thyroxine and triiodothyronine in foal serum. Irvine CH, et al. **J Reprod Fertil [Suppl]** (23):709–15, Oct 75

Solitary hyperfunctioning thyroid adenoma in a child. Elevated T3 and T4 levels with normal TSH level. Taylor HC. **JAMA** 234(12):1253–5, 22 Dec 75

Letter: Thyroid hormones in serious non–thyroidal illness. **Lancet** 1(7968):1070–1, 15 May 76

Letter: Serum triiodothyronine and surgery. Brandt M, et al. **Lancet** 1(7957):491, 28 Feb 76

Relation of thyroid hormones to body–weight. Bray GA, et al. **Lancet** 1(7971):1206–8, 5 Jun 76

Letter: Reverse T3 in screening for neonatal hypothyroidism. Burger A, et al. **Lancet** 2(7975):39–40, 3 Jul 76

Serum triiodothyronine and reverse triiodothyronine concentrations after surgical operation. Burr WA, et al. **Lancet** 2(7948):1277–9, 27 Dec 75

Triiodothyronine and thyroid–stimulating hormone in protein–calorie malnutrition in infants. Ingenbleek Y, et al. **Lancet** 2(7940):845–8, 1 Nov 75

Letter: Reverse triiodothyronine in liver disease. Kodding R, et al. **Lancet** 2(7980):314, 7 Aug 76

Value of routine serum–triiodothyronine estimation in diagnosis of thyrotoxicosis. Shalet SM, et al. **Lancet** 2(7943):1008–10, 22 Nov 75

Letter: Triiodothyronine/reverse–triiodothyronine balance and thyroxine metabolism. Wenzel KW, et al. **Lancet** 2(7931):413, 30 Aug 75

Tests of thyroid function. Larsen PR. **Med Clin North Am** 59(5):1063–74, Sep 75 (21 ref.)

Umbilical cord cutting triggers hypertriiodothyroninemia and nonshivering thermogenesis in the newborn lamb. Sack J, et al. **Pediatr Res** 10(3):169, Mar 76

Thyroxine and triiodothyronine in blood after ingestion of iodinated casein by chicks. Newcomer WS. **Poult Sci** 55(1):60–9, Jan 76

Efficacy of tri–tab (T3 uptake diagnostic kit) under extreme temperature conditions. Richards PA, et al. **Radiol Technol** 47(5):287–90, Mar–Apr 76

Thyroxine, triiodothyronine, and thyrotropin in serum during long–term diphenylhydantoin therapy. Liewendahl K, et al. **Scand J Clin Lab Invest** 36(2):141–4, Mar 76

Radioimmunoassay of triiodothyronine in human serum with special reference to methodological problems. Persson B, et al. **Scand J Clin Lab Invest** 36(3):273–9, May 76

Radioimmunoassay of 3,3',–'–triiodo–L–thyronine (reverse T3) in human serum and its application in different thyroid states. Meinhold H, et al. **Z Klin Chem Klin Biochem** 13(12):571–4, Dec 75

[Current methods for the determination of serum thyroxine and triiodothyronine (analytical review)] Bednář J. **Cesk Farm** 24(10):445–8, Dec 75 **(Cze)**

[Determination of iodinated compounds in the blood. V. Experiences with the radioimmunchemical determination of serum triiodothyronine in the differential diagnosis of thyroid gland disorders] Bednář J, et al. **Cesk Farm** 24(9):377–80, Nov 75 **(Cze)**

[T3 thyrotoxicosis in obese patient with enlarged sella and hypothalamohypophyseal disturbances (author's transl)] Hainer V, et al. **Sb Lek** 77(8):236–43, Aug 75 (Eng. Abstr.) **(Cze)**

[Triiodothyronine and thyroxine in the blood of patients with thyroid diseases after oral administration of thyrotropin releasing hormone (TRH)] Nedvídková J, et al. **Vnitr Lek** 22(5):457–60, May 76 (Eng. Abstr.) **(Cze)**

[Serum triiodothyronin during treatment of hyper– and hypothyroidism] Rogowski P, et al. **Ugeskr Laeger** 137(34):1951–4, 18 Aug 75 (Eng. Abstr.) **(Dan)**

[Serum level of thyroxine (T4) and triiodothyronine (T3) in patients with congenital goiter] Grenier G, et al. **Ann Endocrinol (Paris)** 35(4):451–6, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Radioimmunoassay without extraction of L–triiodothyronine in human serum] Roux D, et al. **C R Soc Biol (Paris)** 169(2):354–9, 1975 (Eng. Abstr.) **(Fre)**

[Radioimmunologic determination of l–triiodothyronine: effect of time and temperature of incubation] Bornet H, et al. **Int J Nucl Med Biol** 3(1):50–2, Jan 76 **(Fre)**

[Radioimmunologic determination of serum triiodothyronine. I. Results with and without stimulation by TSH] Dessaint JP, et al. **Lille Med** 20(6):548–55, Jun–Jul 75 **(Fre)**

[Radioimmunological determination of serum triiodothyronine II. Valve in thyroid diseases] Linquette M, et al. **Lille Med** 20(10):876–81, Dec 75 **(Fre)**

[Letter: Triiodothyronine and thyroxine in cord blood] Croizet M, et al. **Nouv Presse Med** 4(24):1814, 14 Jun 75 **(Fre)**

[Biological changes in 88 cases of Basedow's disease treated by radioactive iodine] Schrub JC, et al. **Nouv Presse Med** 5(21):1346–8, 22 May 76 (Eng. Abstr.) **(Fre)**

[Radioimmunological determination of L–triodothyronine in human and rat blood] Peyrin JO, et al. **Physiologie** 13(1):25–33, Jan–Mar 76 **(Fre)**

[Serum concentration of triiodothyronine in autonomous thyroid gland adenoma] Erd W, et al. **Acta Med Austriaca** 2(5):190–3, 1975 (Eng. Abstr.) **(Ger)**

[False radioimmuno–assay of thyroxine and triiodothyronine in the presence of hormone–binding autoantibodies in serum (author's transl)] Herrmann J, et al. **Dtsch Med Wochenschr** 101(25):966–8, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Diurnal rhythms of thyroid hormones in rooster chicks (Gallus domesticus). 2. Studies on the protein–bound radioiodine and the 'free' hormone portion] Krebietke P. **Endokrinologie** 65(1):42–52, Feb 75 (Eng. Abstr.) **(Ger)**

[Variation of the thyrotropin–releasing–hormone (TRH) stimulated thyrotropin (TSH) response in comparison with the tyhroid–gland–suppression test and the triiodothyronine (T3) and thyroxine (T4) blood levels in the so–called euthyroid endocrine ophthalmopathy] Wenzel KW. **Endokrinologie** 66(1):67–73, Sep 75 (Eng. Abstr.) **(Ger)**

[Cooperative survey for the determinations of L–triiodothyronine (T3) and L–thyroxine (T4): critical evaluation of methods employed (author's transl)] Horn K, et al. **J Clin Chem Clin Biochem** 14(7):353–60, Jul 76 (Eng. Abstr.) **(Ger)**

[Control of hypothyroidism substitution therapy using T3 and TSH serum levels with and without TRF administration] Rager K, et al. **Monatsschr Kinderheilkd** 124(5):394–5, May 76 **(Ger)**

[Radioimmunological triiodothyronine determination (author's transl)] Lobers W. **Radiobiol Radiother (Berl)** 16(6):755–60, 1975 (Eng. Abstr.) **(Ger)**

[The euthyreotic hypotriiodothyroninemia] Hüfner M, et al. **Schweiz Med Wochenschr** 105(50):1698–701, 13 Dec 75 (Eng. Abstr.) **(Ger)**

[Serum tiiodothyronine and thyroxine concentrations as well as the suppressive effect following short–term and long–term administration of L–thyroxine alone or combined with L–triiodothyronine] Rudorff KH, et al. **Verh Dtsch Ges Inn Med** 81:1559–63, 1975 **(Ger)**

[Thyroxine and triiodothyronine] Pinchera A, et al. **Ann Ist Super Sanita** 11(1–2):45–60, 1975 (Eng. Abstr.) **(Ita)**

[Neonatal thyroid function. TSH, T3 and effective thyroxine ratio (ETR) in maternal blood, umbilical cord blood and the newborn on the 1st day of life] La Cauza C, et al. **Arch E Maragliano Patol Clin** 30(1):1–11, Jan–Jun 74 (Eng. Abstr.) **(Ita)**

[T–3–toxicosis as the framework of 1st appearance of the Basedow–Graves disease] Longhini C, et al. **Clin Ter** 75(4):353–62, 30 Nov 75 **(Ita)**

[Technical notes and clinical use in the radioimmunologic determination of T 3] Carella C, et al. **Quad Sclavo Diagn** 11(2):321–9, Jun 75 (Eng. Abstr.) **(Ita)**

[Radioimmunologic determination of plasmatic triiodothyronine. Verification of operative parameters; 1st clinical results] Dotti C. **Quad Sclavo Diagn** 11(2):334–44, Jun 75 (Eng. Abstr.) **(Ita)**

[Direct radioimmunologic determination of T 3 in the serum] Galbiati A. **Quad Sclavo Diagn** 11(2):294–302, Jun 75 (Eng. Abstr.) **(Ita)**

[Standardized radioimmunologic determination of T 3] Pennisi F, et al. **Quad Sclavo Diagn** 11(2):312–20, Jun 75 (Eng. Abstr.) **(Ita)**

[Clinical significance in radioimmunologic determination of triiodothyronine] Sanguineti M, et al. **Quad Sclavo Diagn** 11(2):330–3, Jun 75 (Eng. Abstr.) **(Ita)**

[Radioimmunologic determination of triiodothyronine in essential obesity] Trimarchi F, et al. **Quad Sclavo Diagn** 11(2):303–11, Jun 75 (Eng. Abstr.) **(Ita)**

[Hypothyroidism with a high serum triiodothyronine level—a case study] Ito S. **Clin Endocrinol (Tokyo)** 23(4):381–4, Apr 75 **(Jpn)**

[Clinical studeis on the regulatory system of thyroid hormone secretion and serum triiodothyronine. Part III. Studies on thyroid hormone change and its relationship when TSH in cases with subclinical hypothyroidism (Hashimoto's thyroiditis and 131I treated Graves' disease). Takeda Y. **Folia Endocrinol Jpn** 51(2):85–97, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Simultaneous measurements of free thyroxine and triiodothyronine fractions in human serum by means of equilibrium dialysis (author's transl)] Yamamoto T, et al. **Folia Endocrinol Jpn** 51(2):76–84, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Effects of ketamine–nitrous oxide anesthesia and surgical procedure serum levels of thyroxine and triiodothyronine] Matsuki A, et al. **Jpn J Anesthesiol** 25(4):373–7, Apr 76 (Eng. Abstr.) **(Jpn)**

[Triiodothyronine (author's transl)] Suetsugu N, et al. **Jpn J Clin Pathol** 23(11):846–9, Nov 75 **(Jpn)**

[Clinical evaluation of free thyroxine index, triiodothyronine, thyroid–stimulating hormone assay and the TRH stimulating test] Gembicki M, et al. **Endokrynol Pol** 26(5):497–505, Sep–Oct 75 (Eng. Abstr.) **(Pol)**

[Quick method of measuring the radiotriiodothyronine uptake in serum with the use of dextran–coated charcoal adsorption (T3CU)] Snarski A, et al. **Endokrynol Pol** 27(3):281–6, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Radioimmunologic determination of triiodothyronine in the serum] Lemberger J, et al. **Vojnosanit Pregl** 32(4):383–5, Jul–Aug 75 (Eng. Abstr.) **(Ser)**

[Normal levels of total T3 and T4 in the 1st week of life determined by radioimmunoassay] Pérez Comas A, et al. **Bol Asoc Med PR** 68(7):160–2, Jul 76 (Eng. Abstr.) **(Spa)**

[Radioimmunoanalysis for T3 and T4 in normal subjects and in patients with thyroid pathology (author's transl)] Pineda G, et al. **Rev Med Chil** 103(4):235–9, Apr 75 (Eng. Abstr.) **(Spa)**

[Analysis of S–triiodothyronine and diagnosis of hyperthyroidism] Lindstedt G, et al. **Lakartidningen** 72(42):4029–33, 15 Oct 75 (Eng. Abstr.) **(Swe)**

DIAGNOSTIC USE

Letter: Reuse of disposable Sephadex columns for a triiodothyronine uptake test. Bastomsky CH, et al. **Clin Chem** 22(1):118, 120, Jan 76

Triiodothyronine withdrawal–a possible test for

hypothalamic-pituitary-thyroid adequacy. de Vries HP, et al. **Horm Metab Res** 8(2):132–6, Mar 76

Dissociation of responsiveness to thyrotropin-releasing hormone and thyroid suppressibility following antithyroid drug therapy of hyperthyroidism. Martino E, et al. **J Clin Endocrinol Metab** 43(3):543–9, Sep 76

[Value of separation on ion exchange resins of plasma iodine fractions. Comparison with Werner's suppression test] Fragu P, et al. **Pathol Biol (Paris)** 23(1):51–6, Jan 75 (Eng. Abstr.) **(Fre)**

[Experimental and clinical studies of resin T3 uptake ratio test using Trilute kit] Inoue K, et al. **Clin Endocrinol (Tokyo)** 24(1):55–7, Jan 76 **(Jpn)**

[Relation of TRH test to thyroidal suppression test by triiodothyronine in patients with hyperthyroidism under treatment with antithyroid drugs (author's transl)] Kuribayashi T, et al. **Folia Endocrinol Jpn** 51(2):103–8, 20 Feb 75 (Eng. Abstr.) **(Jpn)**

[Criteria of the test of suppression of thyroid uptake of I131 by triiodothyronine] Aliiakparova ASh. **Probl Endokrinol (Mosk)** 21(4):13–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Detection of human anti-thyroxine and anti-triiodothyronine antibodies in different thyroid conditions. Staeheli V, et al. **J Clin Endocrinol Metab** 41(4):669–75, Oct 75

ISOLATION & PURIFICATION

Purification of thyroxine and triiodothyronine for radioassay with sephadex. Faerch T. **Clin Chim Acta** 66(1):137–9, 2 Jan 76

METABOLISM

Binding of L-triiodothyronine to isolated rat liver and kidney nuclei under various circumstances. Docter R, et al. **Acta Endocrinol (Kbh)** 81(1):82–95, Jan 76

Measurement of Intracellular T3 and T3 disposal in normal subjects. Hennemann G, et al. **Acta Endocrinol (Kbh)** 82(1):92–7, May 76

T3 resin uptake in protein-calorie malnutrition. Ingenbleek Y, et al. **Acta Endocrinol (Kbh)** 81(2):283–7, Feb 76

Specific binding sites for L-triiodothyronine in rat liver and kidney cytosol. Visser TJ, et al. **Acta Endocrinol (Kbh)** 82(1):98–104, May 76

A new combined thyroid hormone index based on thyroxine, triiodothyronine and resin uptake. Demers LM, et al. **Am J Clin Pathol** 65(3):356–9, Mar 76

Triiodothyronine binding proteins in rat liver cytosol. Defer N, et al. **Biochem Biophys Res Commun** 67(3):995–1004, 1 Dec 75

Nuclear thyroid hormone receptors: evidence for association with nucleolar chromatin. Gardner RS. **Biochem Biophys Res Commun** 67(2):625–33, 17 Nov 75

Distribution of thyroid and glucocorticoid hormone receptors in transcriptionally active and inactive chromatin. Levy B, et al. **Biochem Biophys Res Commun** 68(4):1045–51, 23 Feb 76

The renal handling of insulin and thyroid hormones in normal man. Fine A, et al. **Clin Sci Mol Med** 50(6):435–7, Jun 76

Nuclear binding capacity appears to limit the hepatic response to L-triiodothyronine (T3). Oppenheimer JH, et al. **Endocr Res Commun** 2(4–5):309–25, 1975

Interaction between thyroid hormones and erythrocyte membranes: competitive inhibition of binding 131 I-L-triiodothyronine and 131 I-L-thyroxine by their analogs. Singh SP, et al. **Endocr Res Commun** 3(2):119–31, 1976

Increased metabolism of iodothyronines in the rat after short-term cold adaptation. Balsam A, et al. **Endocrinology** 97(2):385–91, Aug 75

Thyroid hormone regulation of extrathyroidal iodoproteins. Balsam A, et al. **Endocrinology** 98(2):476–81, Feb 76

3,3',5'-Triiodothyronine (reverse T3) and 3,3',5-triiodothyronine (T3) in fetal and adult sheep: studies of metabolic clearance rates, production rates, serum binding, and thyroidal content relative to thyroxine. Chopra IJ, et al. **Endocrinology** 97(5):1080–8, Nov 75

Comparison of the metabolism and distribution of L-triiodothyronine and triiodothyroacetic acid in the rat: a possible explanation of differential hormonal potency. Goslings B, et al **Endocrinology** 98(3):666–75, Mar 76

Conversion of L-thyroxine to triiodo-L-thyronine and biological activity of L-thyroxine, as measured by changes in growth hormone. Hervás F, et al. **Endocrinology** 98(1):77–83, Jan 76

Binding of thyroxine and triiodothyronine by nuclei of isolated tadpole liver cells. Kistler A, et al. **Endocrinology** 97(4):1036–42, Oct 75

Binding by thyroid hormones by nuclei of cells from bullfrog tadpole tail fins. Yoshizato K, et al. **Endocrinology** 97(4):1030–5, Oct 75

Effects of excess iodide and other anions on thyroid hormone secretion in normal or hypophysectomized rats treated with graded doses of thyroid hormone. Yukimura Y, et al. **Endocrinology** 99(2):541–8, Aug 76

Metal ion dependence of the binding of triiodothyronine by cytosol proteins of bullfrog tadpole tissues. Yoshizato K, et al. **J Biol Chem** 250(21):8337–43, 10 Nov 75

Demonstration and some properties of cytosol-binding proteins for thyroxine and triiodothyronine in human liver. Hamada S, et al. **J Clin Endocrinol Metab** 42(2):302–8, Feb 76

Determination of common parameters fo iodothyronine metabolism and distribution in man by noncompartmental analysis. Oppenheimer JH, et al. **J Clin Endocrinol Metab** 41(2):319–24, Aug 75

Letter: (to the editor). Erratum: revised calculations of common parameters of iodothyronine metabolism and distribution by noncompartmental analysis. Oppenheimer JH, et al. **J Clin Endocrinol Metab** 41(06):1172–3, Dec 75

Thyroid function in changing weather in a subtropical region. Rastogi GK, et al. **Metabolism** 25(8):903–8, Aug 76

Letter: How specific are nuclear 'receptors' for thyroid hormones? Docter R, et al. **Nature** 259(5541):345–6, 29 Jan 76

Thyroid hormone metabolism in amniotic and allantoic fluids of the sheep. Sack J, et al. **Pediatr Res** 9(11):837–41, Nov 75

Localization of triiodothyronine in nerve ending fractions of rat brain. Dratman MB, et al. **Proc Natl Acad Sci USA** 73(3):941–4, Mar 76

Thyroid hormone binding by a component of mitochondrial membrane. Sterling K, et al. **Proc Natl Acad Sci USA** 72(8):3225–9, Aug 75

Alteration in tissue and serum concentrations of TSH, iodide, T4 and T3 induced by various dietary iodide levels. Heninger RW, et al. **Proc Soc Exp Biol Med** 150(1):137–41, Oct 75

Nuclear receptors and the initiation of thyroid hormone action. Oppenheimer JH, et al. **Recent Prog Horm Res** 32:529–65, 1976 (44 ref.)

T3 release from thyroid slices as an assay for thyroid stimulators. Laurberg P, et al. **Scand J Clin Lab Invest** 35(8):723–7, Dec 75

[Proceedings: Kinetics and disposal rate of triiodothyronine in patients with atuonomous hot nodular goiter, with or without thyrotoxicosis (author's transl)] Mirouze J, et al. **Ann Endocrinol (Paris)** 36(3):173–4, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Precutaneous absorption of 125I-thyroxine and 125I-triiodothyronine in the rat in vivo] James M, et al. **Ann Pharm Fr** 32(12):633–40, Dec 74 (Eng. Abstr.) **(Fre)**

[Excessive peripheral conversion of thyroxine (T4) to triiodothyronine (T3) in the pathogenesis of T3-hyperthyroidism (author's transl)] Herrmann J, et al. **Dtsch Med Wochenschr** 100(45):2319–23, 7 Nov 75 (Eng. Abstr.) **(Ger)**

[T3 thyrotoxicosis] Horne T, et al. **Harefuah** 88(12):563–5, 15 Jun 75 (Eng. Abstr.) **(Heb)**

[Triiodothyronine thyrotoxicosis in nodular toxic goiter] Raskin AM, et al. **Probl Endokrinol (Mosk)** 22(3):30–3, May–Jun 76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of triiodothyronine on blood lipids in obesity. Kader MM, et al. **Acta Biol Med Ger** 34(9):1465–9, 1975 (Eng. Abstr.)

Reciprocal effects of thyroxine and triiodothyronine on their deiodination by rat tissues in vitro. Zaninovich AA. **Acta Endocrinol (Kbh)** 82(3):510–6, Jul 76

Effect of triiodothyronine treatment, thyroparathyroidectomy and mercaptoiminazole treatment on enchondral bone growth. Changes in the histological structure of the growth organ. Lévai G, et al. **Acta Morphol Acad Sci Hung** 23(1):9–19, 1975

The hepatic glucuronate pathway in the rat after treatment with 3,3',5-triiodothyronine and phenobarbital. Marselos M, et al. **Acta Pharmacol Toxicol (Kbh)** 38(3):273–80, Mar 76

Thyroid hormones and lymphoid cells. Lundell G, et al. **Acta Radiol [Ther] (Stockh)** 14(6):552–60, Dec 75

Thyroid hormone-induced changes in body temperature and metabolism during exercise in dogs. Kaciuba-Uścilko H, et al. **Am J Physiol** 229(2):260–4, Aug 75

Metabolic activity of brown adipose tissue in T3-treated hamsters. Rabi T, et al. **Am J Physiol** 231(1):161–3, Jul 76

The influence of temperature increase, elevation of extracellular h+-concentration, and of triiodothyronine on the actions of phenylephrine, histamine, and beta-sympathomimetic drugs on rabbit aortic strips. Wagner J, et al. **Arch Int Pharmacodyn Ther** 218(1):40–53, Nov 75

A role of thyroid hormones in differentiation of mouse mammary gland in vitro. Vonderhaar BK. **Biochem Biophys Res Commun** 67(3):1219–25, 1 Dec 75

The early enhancement of rat liver deoxyribonucleic acid-dependent ribonucleic acid polymerase II activity by tri-iodothyronine. Jothy S, et al. **Biochem J** 150(1):133–5, Jul 75

Effect of thyroid hormones on the level of the hepatic mRNA for alpha2u globulin. Kurtz DT, et al. **Biochemistry** 15(5):1031–6, 9 Mar 76

Effects of medium composition and metabolic inhibitors on glycosaminoglycan synthesis in chick embryo cartilage and its stimulation by serum and triiodothyronine. Audhya TK, et al. **Biochim Biophys Acta** 437(2):364–76, 21 Jul 76

Taurine levels in the anuran tadpole tail during spontaneous and triiodothyronine-induced metamorphosis. Little GH, et al. **Comp Biochem Physiol [A]** 54(2):245–7, 1976

Effects of thyroid hormones on in vivo 1-14C L-leucine incorporation into plasma and tissue protein of brook trout (Salvelinus fontinalis) and rainbow trout (Salmo gairdneri). Narayansingh T, et al. **Comp Biochem Physiol [B]** 52(3):99–405, 15 Nov 75

Changes in amino acid uptake and protein synthesis of bullfrog tadpole liver and tail tissues during triiodothyronine-induced metamorphosis. Kistler A, et al. **Dev Biol** 46(1):151–9, Sep 75

Delayed equilibrium of pituitary triiodothyronine (T3) following an acute T3 administration. Takaishi M, et al. **Endocrinol Jpn** 22(5):461–3, Oct 75

Acute effects of thyroxine, triiodothyronine, and iodide on thyrotropin secretion. Fukuda H, et al. **Endocrinology** 97(4):924–31, Oct 75

Inhibition of the response of mouse thyroid to tryrotropin induced by chronic triiodothyronine treatment. Gafni M, et al. **Endocrinology** 97(5):1256–62, Nov 75

Thyrotropin-releasing hormone and thyroid hormone interactions on thyrotropin secretion in the rat: lack of inhibiting effects of small doses of triiodo-L-thyronine in the hypothyroid rat. García MD, et al. **Endocrinology** 98(1):203–13, Jan 76

Studies on the mechanism of induction of mitochondrial alpha-glycerophosphate dehydrogenase by thyroid hormone. The role of differential gene activation. Tishler PV, et al. **Enzyme** 20(6):349–58, 1975

Effect of triiodothyronine on rat liver chromatin protein kinase. Kruh J, et al. **Eur J Biochem** 62(1):109–15, 2 Feb 76

Cell death. Are new proteins synthesized during hormone-induced tadpole tail regression? Smith KB, et al. **Exp Cell Res** 100(1):129–46, Jun 76

Effects of triiodothyronine on protein synthesis in regerating peripheral neurons. Cook RA, et al. **Exp Neurol** 52(3):515–24, Sep 76

The effect of tri-iodothyronine on the skeletal growth of Salmo trutta Alevin. Qureshi F. **Experientia** 32(1):115–7, 15 Jan 76

Inhibition of TRH-induced TSH release by l-thyroxine, l-triiodothyronine, and their D-isomers in mice. Seif FJ, et al. **Experientia** 31(8):992, 15 Aug 75

Influence of thyroid hormones on satellite association in man and the origin of chromosome abnormalities. Nilsson C, et al. **Hereditas** 80(2):157–66, 1975

The activity of mitochondrial alpha-glycerophosphate dehydrogenase in the rat nephron following triiodo-L-thyronine treatment: a histochemical study. Jacobsen NO. **Histochemistry** 46(4):307–16, 31 Mar 76

Sensitivity of mitochondrial alpha-glycerophosphate dehydrogenase to thyroid hormone in skeletal muscle of the rat. van Hardeveld C, et al. **Horm Metab Res** 8(2):153–4, Mar 76

Effects of thyroid hormone upon the human prolactin (HPr) responses to thyrotropin releasing hormone (TRH). pp. 385–90. Foley TP Jr, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

The role of thyroid and adrenocortical hormones in the biochemical maturation of the rat brain. pp. 53–67. Kovács S. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 I631H 1971.**

Effect of triiodothyronine on chick embryo heart cells maintained in tissue culture. Schwartz H, et al. **Isr J Med Sci** 11(9):877–83, Sep 75

Effect of thyroidectomy and in vivo administration of triiodothyronine on DNA synthesis in isolated mitochondria. Liverini G, et al. **Ital J Biochem** 25(2):115–26, Mar–Apr 76

DNA synthesis in isolated mitochondria: effect of thyroidectomy and of triiodothyronine administration in vivo. Liverini G, et al. **Ital J Biochem** 25(3):236–44, May–Jun 76

6-(14C)-orotate uptake and rna synthesis by liver from thyroidectomized rats treated with 3,5,3'-triiodo-1-thyronine (t3). Viarengo A, et al. **Ital J Biochem** 24(3–4):231–9, May–Aug 75

Acceleration of neuromuscular re-innervation by triiodothyronine. McIsaac G, et al. **J Anat** 120(3):551–60, Dec 75

Inhibition of ovine prolactin and thyrotropin responses to thyrotropin-releasing hormone by triiodothyronine. Davis SL, et al. **J Anim Sci** 42(2):422–6, Feb 76

Stimulation of proteoglycan synthesis in chick embryo sternum by serum and L-3,5,3'-triiodothyronine. Audhya TK, et al. **J Biol Chem** 251(12):3763–7, 25 Jun 76

Activities of thyroid hormones and related compounds in an in vitro thymocyte assay. Goldfine ID, et al. **J Biol Chem** 251(14):4233–8, 25 Jul 76

Regulation of malic enzyme synthesis by insulin triiodothyronine, and glucagon in liver cells in culture. Goodridge AG, et al. **J Biol Chem** 251(10):3027–32, 25 May 76

Triiodothyronine effects on some electrogenic properties of frog sartorius. Grossie J. **J Cell Physiol** 88(1):117–26, May 76

Thyroidal accumulation of 131I during adrenal gland scintigraphy with 131I-19-iodocholesterol: effects of thyroid blocking agents. Barbarino A, et al. **J Clin Endocrinol Metab** 41(2):405–7, Aug 75

The significance of partial suppressibility of serum thyroxine by triidothyronine administration in euthyroid man. Duick DS, et al. **J Clin Endocrinol Metab** 41(2):229–34, Aug 75

The failure of physiologic doses of reverse T3 to effect thyroid-pituitary function in man. Nicod P, et al.

J Clin Endocrinol Metab 43(2):478–81, Aug 76

The effect of short-term triiodothyronine administration on thyroxine response to exogenous TSH in man. Vigneri R, et al. **J Clin Endocrinol Metab** 41(5):974–6, Nov 75

Direct stimulation of bone resorption by thyroid hormones. Mundy GR, et al. **J Clin Invest** 58(3):529–34, Sep 76

Role of thyroid hormones in an abnormal grooming behavior in thyroidectomized cats and cats with pontile lesions. Randall W, et al. **J Comp Physiol Psychol** 90(3):231–43, Mar 76

The effect of triiodothyronine in healing of deep dermal burns and marginal scars of skin grafts. A histologic study. Mehregan AH, et al. **J Cutan Pathol** 1(3):113–6, 1974

Proceedings: Effect of thyroid hormones on lipolysis in adipose tissue of lean and obese mice. Otto W, et al. **J Endocrinol** 68(3):22P–23P, Mar 76

Cyclical effects of triiodothyronine on blood–free fatty acid and glucose concentrations in warm-adapted and cold-adapted rats. Kuroshima A, et al. **Jpn J Physiol** 25(3):253–61, 1975

Effect of thyroid status and cold stress on tyrosine hydroxylase activity in adrenal gland and brown adipose tissue. Zenker N, et al. **Life Sci** 18(2):183–8, 15 Jan 76

Effect of thyroid hormone on metabolic adaptation to fasting. Carter WJ, et al. **Metabolism** 24(10):1177–83, Oct 75

The effect of triiodothyronine on myocardial protein kinases. Gibson K, et al. **Mol Cell Biochem** 9(2):79–83, 14 Nov 75

Effect of triiodothyronine on human jejunal glycolytic enzymes. Lufkin EG, et al. **Proc Soc Exp Biol Med** 150(2):410–3, Nov 75

Thyroxine and triiodothyronine influence cultured throid cells: alterations of morphology and mucosubstances. Siegel E. **Proc Soc Exp Biol Med** 152(1):1–5, May 76

Electrophysiological effects of triiodothyronine and propranolol. Straumanis JJ, et al. **Psychopharmacologia** 46(3):283–8, 15 Apr 76

Thyroid hormones: effect of physiological concentrations on cultured cardiac cells. Tsai JS, et al. **Science** 194(4261):202–4, 8 Oct 76

[Effect of experimentally induced hyperthyroidism on zona glomerulosa from adrenal cortex of the rat (author's transl)] Wuttke H, et al. **Med Klin** 71(6):239–43, 6 Feb 76 **(Ger)**

[Synchronous increase of hemoglobin peptide chain synthesis by triiodothyronine in vitro] Jentsch E, et al. **Monatsschr Kinderheilkd** 124(5):482–3, May 76 **(Ger)**

[Age-dependent changes in the rat thyroid after T3, MTU and TSH. Light-microscopic and histometric studies (author's transl)] Stötzer H. **Verh Dtsch Ges Pathol** 59:405–9, 1975 (Eng. Abstr.) **(Ger)**

[Phosphorylation of the acid proteins of chromatin in hepatocytes of thyroidectomized rats treated with 3,5,3'-triiodo-L-thyronine] Fugassa E, et al. **Boll Soc Ital Biol Sper** 51(5):233–8, 15 Mar 75 **(Ita)**

[Proceedings: Periodic effect of thyroid hormone (triiodothyronine) on lipid and glucose metabolism] Kuroshima S, et al. **J Physiol Soc Jpn** 36(8–9):405–6, 1 Sep 74 **(Jpn)**

[The effect of triiodothyronine on oocyte maturation in the starred sturgeon following exposure to low temperatures and female reservation] Detlaf TA, et al. **Ontogenez** 5(5):454–62, 1974 (Eng. Abstr.) **(Rus)**

[The effect of triiodothyronine on oocyte maturation in the starred sturgeon following exposure to low temperatures and female reservation] Detlaf TA, et al. **Ontogenez** 5(5):454–62, 1974 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Transition from the polikilotherm to the homeotherm: possible role of sodium transport and thyroid hormone. Edelman IS. **Fed Proc** 35(10):2180–4, Aug 76

Proceedings: Role of 3,5,3'-triiodothyronine and dibutyryl cyclic AMP in the control of liver gluconeogenesis in fasted and nonfasted heat-acclimated hamsters. Chayoth R. **Isr J Med Sci** 11(11):1221, Nov 75

POISONING

[Acute poisoning with L-triiodothyroinine, L-thyroxine and phendimetrazine bitartrate with suicidal intention] Hempel RD, et al. **Z Gesamte Inn Med** 31(9):296–9, 1 May 76 (Eng. Abstr.) **(Ger)**

SECRETION

T4 and T3 release from the perfused canine thyroid isolated in situ. Laurberg P. **Acta Endocrinol (Kbh)** 83(1):105–13, Sep 76

Possible interaction of PGF2 alpha with hypothalamus–pituitary–thyroid axis in man. Valenti G, et al. **Prostaglandins** 11(2):303–17, Feb 76

[The effect of iodide on the TRH-induced release of HTSH, T4 and T3 in euthyroid subjects (author's transl)] Haydl H, et al. **Wien Klin Wochenschr** 87(22):747–51, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[The diencephalo–hypophyseo–thyroid axis in essential obesity. Note III. The thyroid T3 response to intravenous TRH] Trimarchi F, et al. **Boll Soc Ital Biol Sper** 51(24):1915–9, 30 Dec 75 **(Ita)**

[Pituitary–thyroid system in pregnant rats–TSH and thyroid hormones secretion during pregnancy] Kojima A, et al. **Clin Endocrinol (Tokyo)** 23(3):255–9, Mar 75 **(Jpn)**

THERAPEUTIC USE

Myxedematous madness without myxedema. Selective defect of TSH release on TRF loading in a young woman with a history of severe depressive illness cured with thryoid hormone replacement therapy. Nordgren L, et al. **Acta Med Scand** 199(3):233–6, 1976

Thyroid hormone–like effects without thyrotoxicosis during one year's therapy with NA–DT3 for hypercholesterolemia. Danowski TS, et al. **Clin Pharmacol Ther** 19(2):196–205, Feb 76

TSH levels and TSH response to TRH as a guide to the replacement treatment of patients with thyroid carcinoma. Busnardo B, et al. **J Clin Endocrinol Metab** 42(5):901–6, May 76

Familial partial target organ resistance to thyroid hormones. Elewaut A, et al. **J Clin Endocrinol Metab** 43(3):575–81, Sep 76

Studies on obesity. III. effect of triiodothyronine (T3) on thyroglobulin autoantibodies in euthyroid obese subjects. Premachandra BN, et al. **Metabolism** 25(9):981–8, Sep 76

Failure of triiodothyronine to prevent propylthiouracil–induced hypothyroidism and goiter in fetal sheep. Horger EO 3D, et al. **Obstet Gynecol** 47(1):46–9, Jan 76

[Letter: Severe hyperthyroidism cured by thyroid hormone therapy] Chimènes H. **Nouv Presse Med** 4(36):2602, 25 Oct 75 **(Fre)**

[Letter: Hyperthyroidism cured by thyroid hormonotherapy] Marrig P, et al. **Nouv Presse Med** 5(10):651, 6 Mar 76 **(Fre)**

[Letter: Thyrotoxicosis treated by thyroid hormone therapy] Potton F. **Nouv Presse Med** 5(5):278, 31 Jan 76 **(Fre)**

[Therapy and prevention using T3/T4 hormone. 5 Years of clinical and practical experience with Novothyral] Würdinger H. **Med Welt** 26(27–28):1322–30, 11 Jul 75 **(Ger)**

[The use of triiodothyronine in the treatment of depression] Bánki C. **Orv Hetil** 116(43):2543–6, 26 Oct 75 **(Hun)**

[Influence of iodine preparations and triiodothyronine on the histological structure of the thyroid gland in experimental goiter] Islambekov RK, et al. **Arkh Patol** 37(10):63–70, 1975 (Eng. Abstr.) **(Rus)**

URINE

The influence of hydration on T3 elimination in urine. Loos U, et al. **Horm Metab Res** 8(2):154–5, Mar 76

Random urine tests in the assessment of thyroid function. Finucane JF. **Ir J Med Sci** 145(6):195–200, Jun 76

Triiodothyronine and thyroxine in urine. II. Renal handling, and effect of urinary protein. Burke CW, et al. **J Clin Endocrinol Metab** 42(3):504–13, Mar 76

Triiodothyronine and thyroxine in urine. I. Measurement and application. Shakespear RA, et al. **J Clin Endocrinol Metab** 42(3):494–503, Mar 76

TRILENE see **TRICHLOROETHYLENE**

TRILOGY OF FALLOT see under **HEART SEPTAL DEFECTS, ATRIAL**

TRIMECAINE see under **ACETANILIDE**

TRIMEDOXIME see under **OXIMES**

TRIMEPRAZINE

ADVERSE EFFECTS

Letter: Reaction to oral trimeprazine. Anand JS. **Br J Anaesth** 48(1):49, Jan 76

PHARMACODYNAMICS

[Effect of Alimemazine (Theralene) on sleep. Influence of psychopharmaceuticals on REM stages in normal persons and improvement of sleep in patients with sleep disorders] Jovanović UJ. **Med Welt** 26(25):1245–51, 20 Jun 75 **(Ger)**

THERAPEUTIC USE

[Alimemazine (Vallergan) an alternative to traditional hypnotic drugs] Oftsti E. **Tidsskr Nor Laegeforen** 95(31):1796–7, 10 Nov 75 **(Nor)**

TRIMESTER, FIRST see **PREGNANCY TRIMESTER, FIRST**

TRIMESTER, SECOND see **PREGNANCY TRIMESTER, SECOND**

TRIMESTER, THIRD see **PREGNANCY TRIMESTER, THIRD**

TRIMETAZIDINE see under **PIPERAZINES**

TRIMETHADIONE see under **OXAZOLES**

TRIMETHAPHAN

ADMINISTRATION & DOSAGE

Letter: Control of 'mass reflex' response in tetraplegia. Wedley JR. **Anaesthesia** 31(2):301–2, Mar 76

Changes in serum potassium and blood glucose concentrations after trimethaphan administration in man. Fahmy NR. **J Lab Clin Med** 87(6):999–1004, Jun 76

ADVERSE EFFECTS

Prolonged neuromuscular blockade associated with trimethaphan: a case report. Wilson SL, et al. **Anesth Analg (Cleve)** 55(3):353–6, May–Jun 76

Respiratory paralysis during treatment of hypertension with trimethaphan camsylate. Dale RC, et al. **Arch Intern Med** 136(7):816–8, Jul 76

PHARMACODYNAMICS

Effects of trimethaphan and sodium nitroprusside on cerebral blood flow in rhesus monkeys. Crockard HA, et al. **Acta Neurochir (Wien)** 35(1–3):85–9, 1976

The effect of arfonad on blood proteins and nitrogen components in experimental shock. Kiersz J, et al. **Acta Physiol Pol** 26(3):229–39, May–Jun 75 **(Eng, Eng)**

Disturbances in the function of cardiovascular system in patients following endotracheal intubation and attempts of their prevention by pharmacological bloackade of sympathetic system. Siedlecki J. **Anaesth Resusc Intensive Ther** 3(2):107–23, Apr–Jun 75

Comparative hemodynamic responses to chlorpromazine, nitroprusside, nitroglycerin, and trimethaphan immediately after open-heart operations. Stinson EB, et al. **Circulation** 52(2 Suppl 1):26–33, Aug 75

Comparative study on the effect of neostigmine, trimetaphan an oxyphenonium on some aspects of 5-hydroxytryptamine metabolism in rats. Kenawy SA, et al. **J Pharm Pharmacol** 27(11):871–3, Nov 75

[Deliberate deep hypotension by arfonad or sodium nitroprusside in surgery of 66 subtentorial sacciform aneurysms] Pertuiset B, et al. **Neurochirurgie** 20(7):555–64, Dec 74 (Eng. Abstr.) **(Fre)**

[The effects of sodiumnitroprusside and trimethaphan induced hypotension on haemodynamics and myocardial oxygen consumption (author's transl)] Hess W, et al. **Anaesthesist** 25(1):27–36, Jan 76 (Eng. Abstr.) **(Ger)**

[Effect of arfonad on the respiratory and cardiovascular systems of parturients with late pregnancy toxemias] Kalganova RI, et al. **Akush Ginekol (Mosk)** (9):44–8, Sep 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Prevention of hypertensive crises in patients with high spinal lesions during cystoscopy and lithotripsy. Thorn-Alquist AM. **Acta Anaesthesiol Scand [Suppl]** :79–82, 1975

[Condition of the fetus and newborn infant after the use of arphonad during labor] Strukov VA, et al. **Vopr Okhr Materin Det** 19(1):33–5, Jan 74 (Eng. Abstr.) **(Rus)**

TRIMETHAZONE see under **PYRAZOLES**

TRIMETHIDINIUM COMPOUNDS see under **AMMONIUM COMPOUNDS**

TRIMETHOBENZAMIDE

ADVERSE EFFECTS

Trimethobenzamide HCL (Tigan)-induced extrapyramidal dysfunction in a neonate. Holmes C, et al. **J Pediatr** 89(4):669–70, Oct 76

TRIMETHOPRIM

Diffusion of trimethoprim and sulfamethoxazole from susceptibility disks into agar medium. Grace ME, et al. **Antimicrob Agents Chemother** 8(1):45–9, Jul 75

Letter: Drug interference with creatinine assay. Bye A. **Clin Chem** 22(2):283–4, Feb 76

The crystal and molecular structure of the antifolate drug trimethoprim (2,4-diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine). A neutron diffraction study. Koetzle TF, et al. **J Am Chem Soc** 98(8):2074–8, 14 Apr 76

Trimethoprim crystal forms. Bettinetti GP, et al. **J Pharm Pharmacol** 28(1):87–8, Jan 76

Trimethoprim and sulphamethoxazole: determination of bacterial sensitivity and drug concentration in human serum. Dornbusch K. **Scand J Infect Dis [Suppl]** (8):20–8, 1976

Sulphamethoxazole–trimethoprim. II. Bacteriological and laboratory aspects. Summary. Kallings LO. **Scand J Infect Dis [Suppl]** (8):39, 1976

[On the development of oral preparations of the combination sulfamoxole/trimethoprim (CN 3123) (author's transl)] Dechow HJ, et al. **Arzneim Forsch** 26(42):596–613, 1976 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Treatment of nocardial mycetoma with trimethoprim and sulfamethoxazole. Nitidandhaprabhas P, et al. **Arch Dermatol** 111(10):1345–8, Oct 75

Salmonella meningitis treatment with intravenous trimethoprim. Briggs AE, et al. **Aust NZ J Med** 5(4):364–6, Aug 75

Efficacy and toxicity of trimethoprimsulfamethoxazole in typhoid fever. Shah CP, et al. **J Assoc Physicians India**

23(5):317–20, May 75
Effect of long-term co-trimoxazole therapy on renal function. Rosenfeld JB, et al. **Med J Aust** 2(14):546–8, 4 Oct 75
Editorial: Treatment of Pneumocystis carinii pneumonitis. Hughes WT. **N Engl J Med** 295(13):726–7, 23 Sep 76
Trimethoprim–sulfamethoxazole treatment of Pneumocystis carinii pneumonia in adults. Lau WK, et al. **N Engl J Med** 295(13):716–8, 23 Sep 76
Tissue damage and concentration at the injection site after intramuscular injection of chemotherapeutics and vehicles in pigs. Rasmussen F, et al. **Res Vet Sci** 20(1):55–60, Jan 76
The intravenous infusion of co-trimoxazole in cases of septicaemia: tolerance and results of treatment. Olcén P, et al. **Scand J Infect Dis [Suppl]** (8):91–5, 1976
Twenty-eight-day courses of antibiotics for urinary tract infection. Cosgrove MD, et al. **Urology** 7(2):156–9, Feb 76
[A new low-dosage trimethoprim–sulfonamide for long term treatment of chronic urinary tract infections] Elsborg L, et al. **Ugeskr Laeger** 138(12):735–7, 15 Mar 76 (Eng. Abstr.) **(Dan)**
[Administration of trimethoprim–sulfamethoxazole in continuous perfusion in cases of severe urinary tract infections. Apropos of 46 cases] Dimopoulos C, et al. **Acta Urol Belg** 42(4):492–6, Oct 74 (Eng. Abstr.) **(Fre)**
[Pharmacokinetic consequences of the mode of administration of cotrimoxazole in humans] Kremers P, et al. **Rev Med Liege** 30(4):103–9, 15 Feb 75 **(Fre)**
[Preliminary results of the use of the sulfamethoxazole–trimethoprim combination by intraspinal administration in neurosurgical patients] Cerillo A, et al. **Acta Neurol (Napoli)** 30(3):286–91, May–Jun 75 (Eng. Abstr.) **(Ita)**
[Parenteral (intravenous and intramuscular) administration of trimethoprim–sulfamethoxazole] Bertaggia A. **Clin Ter** 75(6):611–33, 31 Dec 75 **(Ita)**
[Intensive treatment of gonorrhea with biseptol] Lesiński J, et al. **Przegl Dermatol** 63(3):313–8, May–Jun 76 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

A case report on the psoriatic sparing of a drug reaction. Krivanek J, et al. **Australas J Dermatol** 16(1):20–1, Apr 75
Letter: Long-term co-trimoxazole and folate depletion. Herxheimer A. **J Antimicrob Chemother** 1(3):346, Sep 75
Pancytopenia in an infant associated with sulfamethoxazole–trimethoprim therapy. Tulloch AL. **J Pediatr** 88(3):499–500, Mar 76
Thymine-requiring bacteria associated with co-trimoxazole therapy. Maskell R, et al. **Lancet** 1(7964):834–5, 17 Apr 76
Letter: Reaction to trimoxazole. Lynn KL, et al. **NZ Med J** 83(564):377–8, 26 May 76
The nature of possible adverse reactions to co-trimoxazole. Girdwood RH. **Scand J Infect Dis [Suppl]** (8):10–7, 1976
[Liver changes after sulfamethoxazole–trimethoprim (Bactrim, Trisural)] Hermansen K, et al. **Ugeskr Laeger** 138(7):422–4, 9 Feb 76 (Eng. Abstr.) **(Dan)**
[Transitory agranulocytosis of toxic origin in a child (during treatment with oxyphenylbutazone and sulfamethoxazole–trimethoprim)] Lagarde B, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):188–91, 1974 (Eng. Abstr.) **(Fre)**
[Immuno-allergic complications of the sulfamethoxazole–trimethoprim combination: thrombopenia, acute interstitial kidney disease, and electrophoretic abnormality] Dry J, et al. **Therapie** 30(5):705–12, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Sixth communication: Results of compatibility of CN 3123 (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):678–83, 1976 (Eng. Abstr.) **(Ger)**
[2 cases of fatal iatrogenic agranulocytosis most likely caused by a sulfamethoxazole/trimethoprim combination] Ceri J, et al. **Med Pregl** 29(1–2):43–7, 1976 (Eng. Abstr.) **(Ser)**

ANALOGS & DERIVATIVES

[Synthesis of trimethoprim and related compounds. A tabular compilation] Schliemann W. **Pharmazie** 31(3):140–4, 1976 (93 ref.) **(Ger)**
[Quantum-chemical studies of compounds with pharmacological action. I. Quantum-pharmacological analysis of trimethoprim and its analogs] Dinya Z, et al. **Acta Pharm Hung** 46(1):1–15, Jan 76 (Eng. Abstr.) **(Hun)**

ANALYSIS

A study of concentrations of trimethoprim–sulphamethoxazole in the human prostate gland. Dabhoiwala NF, et al. **Br J Urol** 48(1):77–81, Feb 76
Concentrations of various antibacterials in human seminal plasma. pp. 307–312. Malmborg AS, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**
Concentrations of trimethoprim and sulphamethoxazole in aqueous humour and plasma from regimens of co-trimoxazole in man. Salmon JD, et al. **J Antimicrob Chemother** 1(2):205–11, Jun 75
Prostatic tissue and fluid concentrations of trimethoprim and sulfamethoxazole: experimental and clinical studies. Madsen PO, et al. **Urology** 8(2):129–32, Aug 76
[Quantum-chemical studies of compounds with pharmacological action. I. Quantum-pharmacological analysis of trimethoprim and its analogs] Dinya Z, et al. **Acta Pharm Hung** 46(1):1–15, Jan 76 (Eng. Abstr.) **(Hun)**
[Colorimetric determination of diphepanol and its separation from trimethoprim and sulfamethoxazole] Comi G, et al. **Boll Chim Farm** 113(11):583–94, Nov 74 (Eng. Abstr.) **(Ita)**

BLOOD

Influence of age on half-life of trimethoprim and sulphadoxine in goats. Nielsen P, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):113–9, Feb 76

CEREBROSPINAL FLUID

[Studies on cerebrospinal fluid diffusion of trimethoprim in children] Fries N, et al. **Fortschr Med** 93(25):1178–83, 11 Sep 75 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

[Synthesis of trimethoprim and related compounds. A tabular compilation] Schliemann W. **Pharmazie** 31(3):140–4, 1976 (93 ref.) **(Ger)**

DIAGNOSTIC USE

A new method for homogenization of bone exemplified by measurement of trimethoprim in human bone tissue. Hansen I, et al. **Acta Pharmacol Toxicol (Kbh)** 37(1):33–42, Jul 75

METABOLISM

Elimination of trimethoprim in swine: comparison of results obtained by three analytical methods. Nielsen P, et al. **Acta Pharmacol Toxicol (Kbh)** 37(4):309–16, Oct 75
Elimination of trimethoprim, sulphadoxine and their metabolites in goats. Nielsen P, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):104–12, Feb 76
Concentrations of trimethoprim and sulphadoxine in tissues from goats and a cow. Nielsen P, et al. **Acta Vet Scand** 16(3):405–10, 1975
Trimethoprim and rifampicin: pharmacokinetic studies in man. Hamilton-Miller JM, et al. **J Antimicrob Chemother** 2(2):181–8, Jun 76
Absorption of two antibacterial drugs, cephalexin and co-trimoxazole, in malabsorption syndromes. Parsons RL, et al. **J Antimicrob Chemother** 1(3 Suppl):59–67, 1975
The Pharmacokinetic profile of co-trimoxazole. Bergan T, et al. **Scand J Infect Dis [Suppl]** (8):42–9, 1976
The concentration of trimethoprim and sulphamethoxazole in the urine and serum of incontinent patients undergoing long-term treatment. Brandberg A. **Scand J Infect Dis [Suppl]** (8):54–5, 1976
The penetration of trimethoprim into seminal fluid and serum. Gnarpe H, et al. **Scand J Infect Dis [Suppl]** (8):50–3, 1976
Determination of drug concentrations in serum, urine and sputum in children's respiratory tract infections treated with Sumetrolim. Nevihosténvi G, et al. **Ther Hung** 23(2):67–70, 1975
Trimethoprim and sulphadoxine in swine. Half-lives, volume of distribution and tissue concentrations. Nielsen P, et al. **Zentralbl Veterinaermed [A]** 22(7):564–71, Sep 75
[Pharmacokinetic studies with the combination sulfamoxole/trimethoprim in animals and men (author's transl)] Kuhne J, et al. **Arzneim Forsch** 26(42):651–7, 1976 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Regression-line analysis of trimethoprim–sulfamethoxazole activity against Neisseria gonorrhoeae. Prior RB, et al. **Am J Clin Pathol** 66(3):605–9, Sep 76
Susceptibility of Haemophilus influenzae isolates from blood and cerebrospinal fluid to ampicillin, chloramphenicol, and trimethoprim–sulfamethoxazole. McGowan JE Jr, et al. **Antimicrob Agents Chemother** 9(1):137–9, Jan 76
Influences of media and inocula on the in vitro susceptibility of Haemophilus influenzae to co-trimoxazole, ampicillin, penicillin, and chloramphenicol. Marks MI, et al. **Antimicrob Agents Chemother** 8(6):657–63, Dec 75
Activity of sulfamethoxazole and trimethoprim against Bacteroides fragilis. Phillips I, et al. **Antimicrob Agents Chemother** 9(5):736–40, May 76
Comparison of in vitro susceptibility of Neisseria gonorrhoeae to trimethoprim–sulfamethoxazole on three different media. Yoshikawa TT, et al. **Antimicrob Agents Chemother** 8(5):515–7, Nov 75
The effect of trimethoprim on cellular transport of methotrexate and its cytotoxicity to human lymphoblastoid cells in vitro. Niethammer D, et al. **Br J Haematol** 32(2):273–81, Feb 76
Letter: Potentiation of warfarin by co-trimoxazole. De Swiet J. **Br Med J** 3(5981):491, 23 Aug 75
Sulphamethoxazole–trimethoprim: effect on antibody response in man. Arvilommi H, et al. **Chemotherapy** 22(1):37–42, 1976
Bacteriostatic and bactericidal activity of two trimethoprim–sulfonamide combinations. Böhni E. **Chemotherapy** 22(3–4):262–73, 1976
Inhibition of cell wall synthesis by sulfonamides and trimethoprim. Daschner F. **Chemotherapy** 22(1):12–8, 1976
The antibacterial efficacy of two trimethoprim–sulphonamide combinations. Knothe H. **Chemotherapy** 22(1):62–9, 1976
The effect of co-trimoxazole on antitoxin response to tetanus toxoid. Letley E, et al. **Chemotherapy** 21(3–4):175–80, 1975
Kinetics and mechanisms of action of 'folate synthesis inhibitors', alone or in combination, on Escherichia coli. III. Pyrimethamine, trimethoprim and sulfamethoxazole. Seydel JK, et al. **Chemotherapy** 21(3–4):131–45, 1975
Effect of trimethoprim on the occurrence of drug-resistant coliform bacteria in the faecal flora. Toivanen A, et al. **Chemotherapy** 22(2):97–103, 1976
Effect of cotrimoxazole on the response to phenylalanine loading in man. **Clin Chim Acta** 68(1):17–30, ! Apr 76
The purification and properties of the trimethoprim-resistant dihydrofolate reductase mediated by the R-factor, R388. Amyes SG, et al. **Eur J Biochem** 61(2):597–603, 15 Jan 76
Sensitivity of clinical chlamydial isolates to various antimicrobials. pp. 105–7. Gnarpe H. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**
Trimethoprim and rifampicin: in vitro activities separately and in combination. pp. 103–6. Kerry DW, et al. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.**
Thymidine and the assessment of co-trimoxazole action in liquid media. pp. 67–70. Then R. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.**
Usefulness of commercially available media to MIC-determinations of trimethoprim. pp. 61–5. van Klingeren B, et al. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.**
Thymineless mutants and their resistance to trimethoprim. Amyes SG, et al. **J Antimicrob Chemother** 1(1):85–9, Mar 75
Resistance to trimethoprim in Klebsiellae isolated before its introduction. Hamilton-Miller JM, et al. **J Antimicrob Chemother** 1(2):213–8, Jun 75
Trimethoprim and rifampicin: in vitro activities separately and in combination. Kerry DW, et al. **J Antimicrob Chemother** 1(4):417–27, Dec 75
Activity and interaction of trimethoprim and sulphamethoxazole against Escherichia coli. Greenwood D, et al. **J Clin Pathol** 29(2):162–6, Feb 76
The virulence of trimethoprim-resistant thymine-requiring strains of Salmonella. Smith HW, et al. **J Hyg (Camb)** 76(1):97–108, Feb 76
Proceedings: R-Factor conferred ability to mutate to trimethoprim resistance. Amyes SG, et al. **J Pharm Pharmacol** 27 Suppl?–2:44P, Dec 75
The effect of co-trimoxazole on thymidine uptake by transforming human lymphocytes in vitro. Rogers HJ, et al. **J Pharm Pharmacol** 28(4):328–9, Apr 76
Effect of trimethoprim–sulfamethoxazole on the renal excretion of creatinine in man. Berglund F, et al. **J Urol** 114(6):802–8, Dec 75
Letter: Effect of trimethoprim sulfamethoxazole on the renal excretion of creatinine in man. Howards SS. **J Urol** 116(1):134, Jul 76
Cotrimoxazole and folate metabolism. Bateson MC, et al. **Lancet** 2(7981):339–40, 14 Aug 76
Letter: Potentiation of warfarin by co-trimoxazole. Hassall C, et al. **Lancet** 2(7945):1155–6, 6 Dec 75
Regulatory mutants of dihydrofolate reductase in Escherichia coli K12. Sheldon R, et al. **Mol Gen Genet** 147(1):91–7, 10 Aug 76
Mutants of Klebsiella pneumoniae resistant to several antibiotics. Smith HW. **Nature** 259(5541):307–8, 29 Jan 76
In vitro activity of cotrimoxazole on the intracellular multiplication of Toxoplasma gondii. Nguyen BT, et al. **Pathol Eur** 10(4):307–15, 1975
Resistance pattern and species distribution of strains isolated from patients with catheters in central veins. Brandberg A, et al. **Scand J Infect Dis [Suppl]** (8):56–7, 1976
The resistance of 150 Klebsiella and E. coli strains isolated from patients suffering from bacteriaemia. Brandberg A, et al. **Scand J Infect Dis [Suppl]** (8):103–5, 1976
Resistance to co-trimoxazole. McAllister TA. **Scand J Infect Dis [Suppl]** (8):29–38, 1976
[Cytologic effects of trimethoprim on cultured fibroblasts] Van de Walle-Duckerts F, et al. **C R Acad Sci [D] (Paris)** 279(26):2051–3, 23 Dec 74 **(Fre)**
[Retrospective study of bactrim tolerance(author's transl)] Samin F, et al. **Praxis** 64(36):1152–4, 9 Sep 75 (Eng. Abstr.) **(Fre)**
[Current drug sensitivity of Neisseria gonorrhoeae. Study of 100 strains in the Paris area] Bergogne-Berezin E, et al. **Sem Hop Ther** 51(2):81–90, Feb 75 **(Fre)**
[Pharmacological investigations with the combination sulfamoxole/trimethoprim, a new broadspectrum chemotherapeutic agent (author's transl)] Gries J, et al. **Arzneim Forsch** 26(42):623–33, 1976 (Eng. Abstr.) **(Ger)**
[Investigations on the effect of the combination sulfamoxole/trimethoprim on fertility and fetal development in rats and rabbits (author's tranls)] Helm F, et al. **Arzneim Forsch** 26(42):643–51, 1976 (Eng. Abstr.) **(Ger)**

[Antimicrobial action of the combined preparation sulfamoxole/trimethoprim in vitro (author's transl)] Kohlmann FW, et al. **Arzneim Forsch** 26(42):613–8, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the antibacterial activity of the combination sulfamoxole/trimethoprim (CN 3123) (author's transl)] Legler F. **Arzneim Forsch** 26(42):658–61, 1976 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic analysis of a new sulfonamide–trimethoprim combination for suckling pigs] Kovács E, et al. **Dtsch Tieraerztl Wochenschr** 83(5):128–21, 5 May 76 (Eng. Abstr.) **(Ger)**

[Resistance patterns of certain Enterobacteriaceae in hospital and outpatients, with particular reference to trimethoprim–sulfamethoxazole (author's transl)] Freitag V. **Munch Med Wochenschr** 118(9):275–8, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Studies on the influence of trimethoprim/sulfamethoxazole on the quality of sperm in andrologic patients and a contribution to the pharmacological testing of a drug on the spermatogenetic activity of the testis] Lange D, et al. **Z Hautkr** 49(20):863–78, 15 Oct 74 **(Ger)**

[Sensitivity of enterobacteriaceae to sulfamethoxazole (SMZ), trimethoprim (TMP) and cotrimexazole (SMZ plus TMP)] Lynch B, et al. **Rev Chil Pediatr** 46(1):17–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Elimination of multiple resistance of enteric bacteria by acriflavine and experiments with trimethoprim for the same purpose] Türet S. **Mikrobiyol Bul** 9(2):93–100, 1975 (Eng. Abstr.) **(Tur)**

THERAPEUTIC USE

Treatment of Whipple's disease with sulphamethoxazole–trimethoprim. Elsborg L, et al. **Acta Med Scand** 198(1–2):141–3, Jul–Aug 75

Letter: Trimethoprim–sulfamethoxazole and bacterial meningitis. Farid Z, et al. **Ann Intern Med** 84(1):50–1, Jan 76

Letter: Trimethoprim–sulfamethoxazole and bacterial meningitis. Farid Z, et al. **Ann Intern Med** 84(1):50–1, Jan 76

Letter: Trimethoprim–sulfamethoxazole for meningitis. Robinson JA. **Ann Intern Med** 84(5):613–4, May 76

Letter: Treatment of bacterial meningitis. Schlesinger JJ, et al. **Ann Intern Med** 85(1):127–8, Jul 76

Trimethoprim–sulfamethoxazole in murine toxoplasmosis. Remington JS. **Antimicrob Agents Chemother** 9(2):222–3, Feb 76

Sulfamethoxazole–trimethoprim–polymyxin therapy of serious multiply drug–resistant Serratia infections. Thomas FE Jr, et al. **Antimicrob Agents Chemother** 9(2):201–7, Feb 76

Prophylactic treatment of chronic bronchitis comparing co–trimoxazole and amoxycillin. Cooper J, et al. **Br J Clin Pract** 29(11):307–10, Nov 75

Septrin in the treatment of dermatitis cruris pustulosa et atrophicans. Jacyk WK. **Br J Dermatol** 95(1):71–3, Jul 76

Comparative double–blind study of cephalexin and co–trimoxazole in urinary tract infections. Gower PE, et al. **Br Med J** 1(6011):684–6, 20 Mar 76

Letter: Co–trimoxazole and cephalexin in urinary tract infection. Greenwood D, et al. **Br Med J** 1(6017):1073, 1 May 76

Co–trimoxazole in prevention of bacteriuria after prostatectomy. Hills NH, et al. **Br Med J** 2(6034):498–9, 28 Aug 76

Preventive effects of trimethoprim/sulphamethoxazole on experimental staphylococcic pyelonephritis in rats. Obek A, et al. **Chemotherapy** 21(2):67–72, 1975

Trimethoprim/sulfonamide: rational combination therapy. Hitchings GH, et al. **Compr Ther** 2(5):55–63, May 76 (4 ref.)

Trimethoprim—sulphamethoxazole. The rationale for its use in gonorrhoea with a review of the clinical experience. pp. 293–8. Bernstein LS.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Treatment of symptomatic prostatitis with trimethoprim—sulphamethoxazole with a follow–up of one year. pp. 313–5. Jansen H.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Co–trimoxazole: properties and therapeutic uses. pp. 165–78. O'Grady F.
In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.

Prophylactic use of Bactrim in surgical gynaecology. A comparative study. pp. 295–301. Lecart C, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

A clinical study of trimethoprim and sulphamethoxazole (septran) in the treatment of bacterial diarrhoeas. Parija AC. **Indian J Pediatr** 42(335):345–50, Dec 75

Treatment and follow–up studies with co–trimoxazole in enteric fever and in typhoid carriers. Geddes AM, et al. **J Antimicrob Chemother** 1(1):51–4, Mar 75

The use of co–trimoxazole in sulphonamide–resistant Escherichia coli urinary tract infection. Grüneberg RN. **J Antimicrob Chemother** 1(3):305–10, Sep 75

The clinical, haematological and bacteriological effects of long–term treatment with co–trimoxazole. Hughes DT, et al. **J Antimicrob Chemother** 1(1):55–65, Mar 75

The new antibiotics: trimethoprim–sulfamethoxazole (TMP–SMZ). Nolan CM. **J Arkansas Med Soc** 73(2):111–3, Jul 76

Comparative clinical trial of co–trimoxazole, furazolidone and chloramphenicol in enteric fever. Samantaray SK, et al. **J Assoc Physicians India** 23(9):577–83, Sep 75

Comparison of trimethoprim–sulfamethoxazole and amoxicillin in therapy of chloramphenicol–resistant and chloramphenicol–sensitive typhoid fever. Gilman RH, et al. **J Infect Dis** 132(6):630–6, Dec 75

Comparison of trimethoprim–sulfamethoxazole and ampicillin theraphy for shigellosis in ambulatory. Nelson JD, et al. **J Pediatr** 89(3):491–3, Sep 76

Combination of sulphamethoxazole and trimethoprim (cotrimoxazole) in the treatment of lower respiratory tract infections. Store SD, et al. **J Postgrad Med** 21(3):114–20, Jul 75

Trimethoprim–sulphamethoxazole in the treatment of enteric fever. Ali Omer MI. **J Trop Med Hyg** 78(7):162–6, Jul 75

Chemotherapy in experimental toxoplasmosis: comparison of the efficacy of trimethoprim–sulfur and pyrimethamine–sulfur combinations. Seah SK. **J Trop Med Hyg** 78(7):150–3, Jul 75

Urinary tract infections in patients with severe renal disease. Treatment with ampicillin and trimethoprim–sulfamethoxazole. Bennett WM, et al. **JAMA** 236(8):946–8, 23 Aug 76

Letter: Trimethoprim–sulfamethoxazole therapy for prostatitis. Meares EM, et al. **JAMA** 233(10):1048–9, 8 Sep 75

Trimethoprim–sulfamethoxazole therapy for shigellosis. Nelson JD, et al. **JAMA** 235(12):1239–43, 22 Mar 76

Bowel flora in urinary tract infection: effect of chemotherapy with special reference to cotrimoxazole. Grüneberg RN, et al. **Kidney Int [Suppl]** Suppl 4:S122–9, Aug 75

Melioidosis in a child in papua new guinea successful treatment with kanamycin and trimethoprim–sulphamethoxazole. De Buse PJ, et al. **Med J Aust** 2(12):476–8, 20 Sep 75

The place of Bactrim and Vibramycin in acute salpingitis. Ng A. **Med J Malaysia** 30(2):133–4, Dec 75

Trimethoprim–sulfamethoxazole for treatment of urinary tract infections. **Med Lett Drugs Ther** 17(25):101–3, 5 Dec 75

Treatment of cholera El Tor with Bactrim. Komalarini S, et al. **Paediatr Indones** 15(7–8):207–9, Jul–Aug 75

Co–trimoxazole compared to chloramphenicol in the treatment of enteric fever. Uwaydah M, et al. **Scand J Infect Dis** 7(2):123–6, 1975

Co–trimoxazole in cases of gram–negative septicaemia. Brandberg A. **Scand J Infect Dis [Suppl]** (8):96–102, 1976

Co–trimoxazole in the long–term treatment of pyelonephritis with normal and impaired renal function. Denneberg T, et al. **Scand J Infect Dis [Suppl]** (8):61–6, 1976

Experience of co–trimoxazole in the treatment of Salmonella and Shigella infections. Franzén C.
Scand J Infect Dis [Suppl] (8):79–80, 1976

Sulphamethoxazole–trimethoprim. III. Clinical aspects. Enteric infections. Summary. Hedlund P.
Scand J Infect Dis [Suppl] (8):85, 1976 (2 ref.)

The treatment of typhoid and paratyphoid fevers with co–trimoxazole in a comparative trial with chloramphenicol. Jonsson M. **Scand J Infect Dis [Suppl]** (8):81–4, 1976

Co–trimoxazole and nitrofurantoin in urinary–tract infections: a controlled clinical study. Lövestad A, et al. **Scand J Infect Dis [Suppl]** (8):58–60, 1976

Sulphamethoxazole–trimethoprim. III. Clinical aspects. Urinary–tract infections. Summary. Ornsten PA.
Scand J Infect Dis [Suppl] (8):71–4, 1976 (4 ref.)

The long–term treatment of chronic urinary–tract infections. Orsten PA. **Scand J Infect Dis [Suppl]** (8):67–70, 1976

A comparative trial of co–trimoxazole and doxycycline in the treatment of acute exacerbations of chronic bronchitis. Renmarker K. **Scand J Infect Dis [Suppl]** (8):75–8, 1976

The treatment of meningitis in infants with co–trimoxazole administered parenterally. Sabel KG.
Scand J Infect Dis [Suppl] (8):86–90, 1976

Trimethoprim–sulfamethoxazole in the treatment of gonorrhea: comparison with standard treatment schedules. Duncan WC, et al. **South Med J** 68(9):1147–52, Sep 75

Treatment with Sumetrolim in chronic non–specific respiratory tract infections. Cséri T, et al. **Ther Hung** 23(3):115–7, 1975

Bacterial prostatitis: treatment with trimethoprim–sulfamethoxazole. McGuire EJ, et al. **Urology** 7(5):499–500, May 76

Clinical evaluation of Tribrissen. New antibacterial agent for dogs and cats. Cannon RW. **Vet Med Small Anim Clin** 71(8):1090–1, Aug 76

[Clinical laboratory experiences with co–trimoxazole] Vacek V, et al. **Cas Lek Cesk** 114(28):871–6, 11 Jul 75 (Eng. Abstr.) **(Cze)**

[Comparative study of injectable cotrimoxazole and doxycycline in urologic surgery] Derluyn JP, et al. **Acta Urol Belg** 42(4):485–91, Oct 74 (Eng. Abstr.) **(Fre)**

[Infantile shigelloses in northern Greece from 1971 to 1973. Therapeutic results using sulfamethoxazole–trimethoprime] Psoraki M, et al. **Pediatrie** 30(4):361–9, Jun 75 **(Fre)**

[Antibiotherapy in dentistry. Significance of the combination of SMZ and TM] Fouques P.
Rev Odontostomatol (Paris) 4(3):263, May–Jun 75 **(Fre)**

[Use of sulfamethoxazole–trimethoprom in 65 infectious cases] Bertoye A, et al. **Sem Hop Ther** 51(5–6):321–4, May–Jun 75 **(Fre)**

[Sulfametrol–trimethoprim in the treatment of chronic urinary tract infections] Pichler H, et al.
Acta Med Austriaca 2(5):170–6, 1975 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123). 2. Results of a multicenter clinical trial of CN 3123 in infections of the kidneys and urinary tract] Eckstein E, et al.
Arzneim Forsch 26(42):665–70, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Fourth communication: Clinical results with CN 3123 in infections of the gastrointestinal tract, the skin and gynecological adnexes (author's transl)] Etzel M, et al.
Arzneim Forsch 26(42):674–6, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123). 1st communication. Efficacy activity spectrum—resistance in therapy (author's transl)] Etzel M, et al. **Arzneim Forsch** 26(42):661–5, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123)/Third communication: Clinical results of a field trial with CN 3123 in bronchopulmonary and ENT (ear/nose/throat) infections (author's transl)] Etzel M, et al.
Arzneim Forsch 26(42):671–3, 1976 (Eng. Abstr.) **(Ger)**

[Antimicrobial action of the combination sulfamoxole/trimethoprim in vivo (author's transl)] Kohlmann FW, et al. **Arzneim Forsch** 26(42):618–20, 1976 (Eng. Abstr.) **(Ger)**

[Experimental studies on the effect of the combination sulfamoxole/trimethoprim on the Toxoplasma infection of the mouse (author's transl)] Maier W, et al.
Arzneim Forsch 26(42):620–2, 1976 (Eng. Abstr.) **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprin (CN 3123). Fifth communication: Comparison of two double–blind studies with CN 3123 undertaken for demonstration of its efficacy (author's transl)] Nijssen J, et al. **Arzneim Forsch** 26(42):676–8, 1976 (Eng. Abstr.) **(Ger)**

[Results of the gonorrhea treatment with Sulprim] Heise H, et al. **Dermatol Monatsschr** 161(11):943–7, Nov 75 **(Ger)**

[The effect of a new broad–spectrum antibiotic in bronchopulmonar and urinary infections (author's transl)] Feldmeier. **Med Klin** 71:1192–6, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Clinical study on Bactrim pro infusione] Hüsch H, et al. **Med Welt** 27(12):585–9, 19 Mar 76 **(Ger)**

[Parenteral chemotherapy in urinary tract infections with trimethoprim/sulfamethoxazole (TMP/SMZ)] Peters HJ, et al. **Med Welt** 27(23):1157–60, 4 Jun 76 **(Ger)**

[Clinical experience with Bactrim Roche ampoules in urology] Weiske WH. **Med Welt** 26(49):2238, 5 Dec 75 **(Ger)**

[Experiences with Eusaprim suspension for adults in geriatric patients (author's transl)] Jansen W.
Munch Med Wochenschr 118(4):111–4, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[The treatment of various deep mycoses (South American blastomycosis, nocardiosis, actinomycetoma) with the drug combination sulfamethoxazole+trimethoprim (bactrim, septrin). Review of the literature] Havas L. **Mykosen** 18(6):263–73, Jun 75 **(Ger)**

[Management of urinary tract infections in gynecologic patients with a new combination of sulfamoxole and trimethoprim] Niskios D, et al. **Ther Ggw** 115(4):646–56, Apr 76 **(Ger)**

[Pharmacokinetic and chemical investigations in children after oral administration of lidaprim (author's transl)] Brandesky G, et al. **Wien Klin Wochenschr** 87(18):611–5, 3 Oct 75 **(Ger)**

[Experience with a combination of sulfametrol and trimethoprim (Lidaprim) in otorhinilaryngologic infections] Steinböck VH, et al. **Wien Med Wochenschr** 125(36):508–10, 5 Sep 75 **(Ger)**

[Therapeutic experiences with trimethoprim–sulfamethoxazole in the post–gonorrhoic urethritis] Lee S. **Z Allgemeinmed** 51(27):1207–8, 30 Sep 75 **(Ger)**

[Experiences with trimethoprim–sulfamethoxazole (Eusaprim) in the treatment of acute paranasal sinuses inflammations] Schmidt–Bäumler U. **Z Allgemeinmed** 51(20):924–5, 21 Jul 75 **(Ger)**

[Long–term treatment of chronic urinary tract infections with the combination drug trimethoprim–sulfamethoxazol (Eusaprim) in chronic patients] Dahl S. **Z Alternsforsch** 28(3):239–45, 1974 **(Ger)**

[Letter: Clinical pharmacological study of Sumetrolim] Marosvári I. **Orv Hetil** 116(35):2091, 31 Aug 75 **(Hun)**

[Use of cotrimexazole in the treatment of septicemia caused by Salmonella] Banfi A, et al. **Rev Chil Pediatr** 46(1):21–3, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Clinico–bacteriological evaluation of the use of Cotrimexazole in the treatment of shigellosis in newborn infants] Prado V, et al. **Rev Chil Pediatr** 46(1):25–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Ampicillin and trimethoprim–sulfamethoxazole in the acute phase of chronic bronchitis] Kleist H, et al.
Lakartidningen 72(44):4277–9, 29 Oct 75 (Eng. Abstr.) **(Swe)**

TOXICITY

Proceedings: Chromosomal studies in Bactrim therapy. Gebhart E. **Mutat Res** 29(2):280, Aug 75

Studies in dogs and cats dosed with trimethoprim and sulphadiazine. Craig GR, et al. **Vet Rec** 98(5):82–6, 31 Jan 76

[Toxicological investigations of the combination sulfamoxole/trimethoprim, a new broad-spectrum chemotherapeutic (author's transl)] Lagler F, et al. **Arzneim Forsch** 26(42):634–43, 1976 (Eng. Abstr.) **(Ger)**

TRIMETHYLSILYL COMPOUNDS see under **SILICON**

TRIMETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIMETON see **PHENIRAMINE**

TRIMIPRAMINE see under **DIBENZAZEPINES**

TRINITROBENZENESULFONIC ACID see under **NITROBENZENES**

TRINITROTOLUENE

ADVERSE EFFECTS

[Health status of workers in 2 plants manufacturing explosives] Petrović-Poljak B, et al. **Nar Zdrav** 31(1–2):33–4, Jan–Feb 75 **(Ser)**

ANALYSIS

Comparison of analytical methods for trace quantities of 2, 4, 6-trinitrotoluene. Jurinski NB, et al. **Am Ind Hyg Assoc J** 36(7):497–502, Jul 75

The collection and determination of ethylene glycol dinitrate, nitroglycerine, and trinitrotulene explosive vapors. Chrostowski JE, et al. **J Forensic Sci** 21(3):611–5, Jul 76

METABOLISM

Microbial transformation of 2,4,6-trinitrotoluene and other nitroaromatic compounds. McCormick NG, et al. **Appl Environ Microbiol** 31(6):949–58, Jun 76

PHARMACODYNAMICS

Toxicity and mutagenicity of 2,4,-6-trinitrotoluene and its microbial metabolites. Won WD, et al. **Appl Environ Microbiol** 31(4):576–80, Apr 76

POISONING

Biological effects of trinitrotoluene from exposure below the threshold limit value. Morton AR, et al. **Am Ind Hyg Assoc J** 37(1):56–60, Jan 76

[Occupational hygiene and health status of workers in the production of trinitrotoluene (TNT)] Marchenko EH, et al. **Gig Tr Prof Zabol** (10):1–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Working conditions of miners coming in contact with trinitrotoluene-containing explosive materials and the prevention of poisonings] Mel'nichenko RK. **Gig Tr Prof Zabol** (1):10–3, Jan 76 (Eng. Abstr.) **(Rus)**

[State of the serotonin-monoamine oxidase system in experimental trinitrotoluene poisoning] Mul'menko AM, et al. **Gig Tr Prof Zabol** (10):57–8, Oct 74 **(Rus)**

TRIOLEIN

Hydrolysis of tri- and monoacylglycerol by lipoprotein lipase: evidence for a common active site. Twu JS, et al. **Biochemistry** 15(9):1904–9, 4 May 76

Losses of energy associated with oven-drying. Lofti M, et al. **Proc Nutr Soc** 34(2):58A–59A, Sep 75

DIAGNOSTIC USE

[Letter: Critical study of fat absorption tests using triolein I 131] Dauchel J, et al. **Nouv Presse Med** 5(6):357–8, 7 Feb 76 **(Fre)**

METABOLISM

Triolein emboli clearance from the mouse lung: effect of heparin and heparitin sulfate. Gertner SB, et al. **Exp Mol Pathol** 25(1):60–9, Aug 76

Effect of polyamines, ions and epinephrine on triolein hydrolyzing activity of rat ventricular extracts. Jesmok GJ, et al. **J Mol Cell Cardiol** 8(4):283–98, Apr 76

[Lipid metabolism in Chagas' disease. Aspects of the radioactivity curves of the blood after ingestion of triolein labelled with I-131] Forti N, et al. **Arq Bras Cardiol** 29(3):211–5, Jun 76 (Eng. Abstr.) **(Por)**

TRIOSEPHOSPHATE DEHYDROGENASE see **GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE**

TRIOSEPHOSPHATE ISOMERASE see under **CARBOHYDRATE ISOMERASES**

TRIOSES

The uncatalyzed rates of enolization of dihydroxyacetone phoshate and of glyceraldehyde 3-phosphate in neutral aqueous solution. The quantitative assessment of the effectiveness of an enzyme catalyst. Hall A, et al. **Biochemistry** 14(19):4348–53, 23 Sep 75

Proton exchange of the pro-S hydrogen at C-1 in dihydroxyacetone phosphate, D-fructose 1,6-bisphosphate and D-fructose 1-phosphate catalysed by rabbit-muscle aldolase. Lowe G, et al. **Eur J Biochem** 66(1):95–104, 15 Jun 76

BIOSYNTHESIS

Proceedings: Factors affecting glycerol and dihydroxyacetone phosphorylation in Acetobacter xylinum. Weinhouse H, et al. **Isr J Med Sci** 11(11):1179–80, Nov 75

METABOLISM

Towards a valid technique of sampling fish muscle to determine redox substrates. Börjeson H, et al. **Acta Physiol Scand** 29(2):202–6, Feb 76

Proceedings: Factors affecting glycerol and dihydroxyacetone phosphorylation in Acetobacter xylinum. Weinhouse H, et al. **Isr J Med Sci** 11(11):1179–80, Nov 75

Phosphorylation of glycerol and dihydroxyacetone in Acetobacter xylinum and its possible regulatory role. Weinhouse H, et al. **J Bacteriol** 127(2):747–54, Aug 76

Oxidation of the carbanion intermediate of transaldolase by hexacyanoferrate (III). Christen P, et al. **J Biol Chem** 251(14):4220–3, 25 Jul 76

Incorporation of D-[3-3H, U-14C] glucose into glycerolipid via acyl dihydroxyacetone phosphate untransformed and viral-transformed BHK-21-c13 fibroblasts. Pollock RJ, et al. **J Biol Chem** 251(17):5149–54, 10 Sep 76

Evidence for lipid synthesis by the dihydroxyacetone phosphate pathway in rabbit lung subcellular fractions. Fisher AB, et al. **J Lab Clin Med** 87(6):1033–40, Jun 76

PHARMACODYNAMICS

Rates and properties of endogenous cyclic photophosphorylation of isolated intact chloroplasts measured by CO_2 fixation in the presence of dihydroxyacetone phosphate. Kaiser W, et al. **Biochim Biophys Acta** 423(1):91–102, 15 Jan 76

In vivo effect of dihydroxyacetone on oxygen-hemoglobin affinity in rhesus monkeys. Pollock TW, et al. **J Surg Res** 20(4):309–11, Apr 76

[Hereditary disorders of fructose metabolism. Loading tests with fructose, sorbitol and dihydroxyacetone] Steinmann B, et al. **Nutr Metab** 18 Suppl 1:115–32, 1975 **(Ger)**

[Radiomimetic effect of glyceraldehyde and dihydroxyacetone] Gun'ko AI, et al. **Radiobiologiia** 16(1):78–82, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Protection against long ultraviolet and/or visible light with topical dihydroxyacetone. Implications for the mechanism of action of the sunscreen combination, dihydroxyacetone/naphthoquinone. Fusaro RM, et al. **Dermatologica** 150(6):346–51, 1975

TRIOXSALEN see under **COUMARINS**

TRIPARANOL

ADMINISTRATION & DOSAGE

Diazacholesterol and triparanol induced myotonia in rats achieved by single dose administration. Dromgoole SH, et al. **Exp Neurol** 49(1 Pt 1):327–9, Oct 75

PHARMACODYNAMICS

Effect of triparanol and 3beta-(beta-dimethyl-aminoethoxy)-androst-5-en-17-one on growth and non-saponifiable lipids of Saccharomyces cerevisiae. Fung B, et al. **Biochem Pharmacol** 25(11):1249–54, 1 Jun 76

Functional and biochemical evidence of damage to enterocytes induced by triparanol: role of lysosomes and the effect of gluten-free diet. Soulé JC, et al. **Clin Sci Mol Med** 51(1):19–25, Jul 76

Myeloid bodies formation in triparanol treated cultured cells. Kalina M, et al. **Virchows Archiv [Cell Pathol]** 19(4):349–57, 19Dec 75

TRIPELENNAMINE

Comparison of the solid and solution conformations of methapyriline, tripelennamine, diphenhydramine, histamine, and choline. The infrared-X-ray method for determination of solution conformations. Byrn SR, et al. **J Org Chem** 41(13):2283–8, 25 Jun 76

ADMINISTRATION & DOSAGE

Letter: Local anesthetics. Weiner AL. **J Dermatol Surg** 1(3):75, Oct 75

ANALOGS & DERIVATIVES

Enzymatic formation of chemically reactive metabolites of N-nitrosodesmethyl tripelennamine by a mechanism other than N-dealkylation. Rao GS, et al. **Biochem Pharmacol** 24(18):1707–11, 15 Sep 75

Metabolism, tissue distribution and covalent binding of tripelennamine and its N-nitroso derivative in the rat. Rao GS, et al. **J Pharmacol Exp Ther** 195(3):433–40, Dec 75

Drug-nitrite interactions: the lack of toxicity of a N-nitroso derivative of tripelennamine formed in the rat. Rao GS, et al. **Toxicol Appl Pharmacol** 34(2):264–70, Nov 75

METABOLISM

Metabolism of tripelennamine in man. Chaudhuri NK, et al. **Drug Metab Dispos** 4(4):372–8, Jul–Aug 76

Metabolism, tissue distribution and covalent binding of tripelennamine and its N-nitroso derivative in the rat. Rao GS, et al. **J Pharmacol Exp Ther** 195(3):433–40, Dec 75

PHARMACODYNAMICS

Triplennamine and dopamine-induced neurogenic vasodilatation. Buylaert W, et al. **Arch Int Pharmacodyn Ther** 220(2):327–8, Apr 76

Effects of pyrobenzamine and plimasin on fighter pilots flying a fighter intercept mission in the F4D flight simulator. Maioriello RP. **Aviat Space Environ Med** 46(9):1191–3, Sep 75

THERAPEUTIC USE

[Antisecretory and anti-gastric ulcer activity of a tranquilizing-parasympatholytic combination] de Pascale V, et al. **Boll Chim Farm** 114(1):35–52, Jan 75 (Eng. Abstr.) **(Ita)**

TRIPHENYL COMPOUNDS see **TERPHENYL COMPOUNDS**

TRIPHENYLMETHYL COMPOUNDS see **TRITYL COMPOUNDS**

TRIPHOSPHOPYRIDINE NUCLEOTIDE see **NADP**

TRIPLE SYMPTOM COMPLEX see **BEHCET'S SYNDROME**

TRIPLETS

Transsexualism in two male triplets. McKee EA, et al. **Am J Psychiatry** 133(3):334–40, Mar 76

Diagnosis of triplets by ultrasonography. Asokan S, et al. **Ill Med J** 149(6):538–9, Jun 76

Letter: Infant weights in multiple births. Roberts RB. **Obstet Gynecol** 47(3):382, Mar 76

[Triplets, 2 of which are twins with phenylketonuria] Blehová B, et al. **Cesk Pediatr** 30(12):587–8, Dec 75 (Eng. Abstr.) **(Cze)**

TRIPROLIDINE see under **PYRIDINES**

TRIS BUFFER see **TROMETHAMINE**

TRISACCHARIDES see under **OLIGOSACCHARIDES**

TRISMUS

ETIOLOGY

Tetanus: review of the literature and report of a case. Smith MJ, et al. **Oral Surg** 41(4):451–6, Apr 76

[Limited mouth opening due to hyperplasia or osteochondroma of the coronoid process; review of the literature] Singer R, et al. **ZWR** 85(15):685–90, 10 Aug 76 **(Ger)**

[Mouth oepning limitations due to coronoid-zygomatic-malar interference] Brusati R. **Minerva Stomatol** 24(4):177–98, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Limitations in the opening of the mouth of an arthrogenic nature] Modica R, et al. **Minerva Stomatol** 24(4):163–76, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

[Mouth opening limitations due to soft tissue lesions] Righi E. **Minerva Stomatol** 24(4):199–216, Jul–Dec 75 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Trismus, trigeminal motor dyssynergy with brain stem lesions (author's transl)] Jelasic F, et al. **J Neurol** 209(4):287–96, 1 Aug 75 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical treatment of mandibular hypomobility. Guralnick WC, et al. **J Oral Surg** 34(4):343–8, Apr 76

TRISOMY

Trisomy 11 in acute phase of chronic myeloid leukemia. Philip PE. **Acta Haematol (Basel)** 54(3):188–91, 1975

Trisomy-D in a cyclops with cardiovascular defects. Jaschevatzky OE, et al. **Acta Obstet Gynecol Scand** 55(1):73–6, 1976

Congenital brain and facial anomalies in the D1 trisomy syndrome--report of a case and a review of literature--. Miyasaki K, et al. **Acta Pathol Jpn** 26(2):263–72, Mar 76

Trisomy 8 Syndrome. Cassidy SB, et al. **Am J Dis Child** 129(8):951–2, Aug 75

Trisomy for the distal half of the short arm of chromosome 9. A variant of the trisomy 9p syndrome. Lewandowski

RC Jr, et al. **Am J Dis Child** 130(6):663–7, Jun 76

Cytogenetic variants in holoprosencephaly. Report of a case and review of the literature. Ming PM, et al. **Am J Dis Child** 130(8):864–7, Aug 76

Incidence of aneuploidy in a human population. Goad WB, et al. **Am J Hum Genet** 28(01):62–8, Jan 76

Letter: Confirmation of trisomy 22 with fluorescence banding. Uchida IA, et al. **Am J Hum Genet** 28(2):189–90, Mar 76

Nictitating membrane in trisomy 18 syndrome. García–Castro JM, et al. **Am J Ophthalmol** 80(3 Pt 2):550–1, Sep 75

Posterior vortex vein and congenital glaucoma in a patient with trisomy 13 syndrome. Lichter PR, et al. **Am J Ophthalmol** 80(5):939–42, Nov 75

The 12p trisomy syndrome. Armendares S, et al. **Ann Genet (Paris)** 18(2):89–94, Jun 75

An inherited translocation t(4;15) (p16;q22) leading to two cases of partial trisomy 15. Cohen MM, et al. **Ann Genet (Paris)** 18(2):99–103, Jun 75

Trisomy 19 q. Lange M, et al. **Ann Genet (Paris)** 19(1):17–21, Mar 76

Coagulation studies in patients with trisomy 8 syndrome. Stenbjerg S, et al. **Ann Genet (Paris)** 18(4):241–2, Dec 75

Trisomy iop. Yunis E, et al. **Ann Genet (Paris)** 19(1):57–60, Mar 76

Centrometric linkage in autosomal trisomies. Côté GB, et al. **Ann Hum Genet** 39(1):51–9, Jul 75

Centromeric linkage in trisomy 21. Côté GB, et al. **Ann Hum Genet** 39(1):61–6, Jul 75

Genetic markers in trisomies 13 and 18. Coté GB, et al. **Ann Hum Genet** 39(3):335–7, Jan 76

Acne in retarded boy with autosomal chromosomal abnormality. Funderburk SJ, et al. **Arch Dermatol** 112(6):859–61, Jun 76

Letter: Severe combined immuno–deficiency and trisomy D. Calvani M, et al. **Arch Dis Child** 51(6):485, Jun 76

Increase in glutathione peroxidase activity in erythrocytes from trisomy 21 subjects. Sinet PM, et al. **Biochem Biophys Res Commun** 67(3):910–5, 1 Dec 75

Superoxide dismutase activities of blood platelets in trisomy 21. Sinet PM, et al. **Biochem Biophys Res Commun** 67(3):904–9, 1 Dec 75

Trisomy 22: a clinically identifiable syndrome. Alfi OS, et al. **Birth Defects** 11(5):241–5, 1975

Trisomy C and cystic dysplasia of kidneys, liver and pancreas. Blair JD. **Birth Defects** 12(5):139–49, 1976

Proceedings: Dermatoglyphics and unusual anorectal and genital anomalies in trisomy 8 mosaicism. Blair JD. **Birth Defects** 12(5):175, 1976

Usefulness of chromosome catalog in delineating new syndromes. Borgaonkar DS, et al. **Birth Defects** 12(5):87–95, 1976

E trisomy phenotype associated with small metacentric chromosome and a familial Y–22 translocation. Dumars KW, et al. **Birth Defects** 12(5):97–104, 1976

Trisomy 14q–. Fawcett WA, et al. **Birth Defects** 11(5):223–8, 1975

Cri–du–chat and trisomy 13 syndromes in an infant with an unbalanced chromosomal translocation. Leisti J, et al. **Birth Defects** 11(5):317–9, 1975

A partial trisomy 5p syndrome. Opitz JM, et al. **Birth Defects** 11(5):191–200, 1975

Tertiary trisomy 14: is there a syndrome? Pena SD, et al. **Birth Defects** 12(5):113–8, 1976

Acrocephalosyndactyly and partial trisomy 6. Robertson KP, et al. **Birth Defects** 11(5):267–71, 1975

16q trisomy in a family with a balanced 15/16 translocation. Schmickel R, et al. **Birth Defects** 11(5):229–36, 1975

Trisomy E—apparently not 18. Sheehan VA, et al. **Birth Defects** 10(4):254–6, 1974

Familial chromosomal translocation with distinctive phenotype due to effective trisomy of no. 9p. Thompson H. **Birth Defects** 11(5):213–6, 1975

Inherited partial trisomy 2: 46,XX,1p+;t(1;2) (p36;q31). Warren RJ, et al. **Birth Defects** 11(5):177–9, 1975

The 9p trisomy syndrome due to inherited translocation. Weber F, et al. **Birth Defects** 11(5):201–5, 1975

Partial trisomy for different segments of chromosome 13 in several individuals of the same family. Wilroy RS, et al. **Birth Defects** 11(5):217–22, 1975

Partial monosomy and partial trisomy for different segments of chromosome 13 in several individuals of the same family. Wilroy RS Jr, et al. **Birth Defects** 12(5):161–7, 1976

Partial trisomy of chromosome 14: (+14q–). Yeatman GW, et al. **Birth Defects** 12(5):119–24, 1976

Trisomy 8 in the bone marrow associated with high red cell glutathione reductase activity. de la Chapelle A, et al. **Blood** 47(5):815–26, May 76

Trisomy in Aedes aegypti. Ved Brat S, et al. **Can J Genet Cytol** 17(2):279–80, Jun 75

Familial partial trisomy 6q syndromes resulting from inherited ins (5;6) (q33;q15q27). Chen H, et al. **Clin Genet** 9(6):631–7, Jun 76

Aplastic anemia followed by leukemia in congenital trisomy 8 mosaicism. Ultrastructural studies of polymorphonuclear cells in peripheral blood. Gafter U, et al. **Clin Genet** 9(2):134–42, Feb 76

Fetal loss and familial chromosome 1 translocations. Garrett JH, et al. **Clin Genet** 8(5):341–8, Nov 75

Three successive prenatal diagnoses of 47,XY,+21. Hsu LY, et al. **Clin Genet** 9(4):412–6, Apr 76

Partial trisomy 15 in a young girl. Mankinen CB, et al. **Clin Genet** 10(1):27–32, Jul 76

Partial trisomy 5 with a carrier parent t(5p–;9p+). Monteleone P, et al. **Clin Genet** 9(4):437–40, Apr 76

The 9p trisomy syndrome: two further cases arising from different familial translocations. Mulcahy MT, et al. **Clin Genet** 8(3):199–204, Sep 75

Partial deletions and trisomies of chromosome 13; mapping of bands associated with particular malformations. Noel B, et al. **Clin Genet** 9(6):593–602, Jun 76

Trisomy of chromosome 20. Pan SF, et al. **Clin Genet** 9(5):449–53, May 76

Letter: Partial trisomy 15 as a result of an unbalanced 12/15 translocation in a patient with a cloverleaf skull anomaly. Pedersen C. **Clin Genet** 9(3):378–80, Mar 76

Partial trisomy of the long arm of chromosome 7. Saadi AA, et al. **Clin Genet** 9(2):250–4, Feb 76

An unusual partial trisomy 13. Stoll C, et al. **Clin Genet** 9(1):1–4, Jan 76

A case of trisomy 20? Wahlström J, et al. **Clin Genet** 9(2):187–91, Feb 76

Trisomy 8 syndrome. Lai CC, et al. **Clin Orthop** (110):238–43, Jul–Aug 75

The problem of trisomy 22. A case report and a discussion of the variant forms. Zellweger H, et al. **Clin Pediatr (Phila)** 15(7):601–6, 617–8, Jul 76

Unusual development of motor skills in a child with trisomy–18. Abbie M. **Dev Med Child Neurol** 18(1):85–9, Feb 76

Letter: Development of motor skills in a child with trisomy–18. Gerhard M. **Dev Med Child Neurol** 18(4):538, Aug 76

Hemoglobin chain synthesis in two children with trisomy 13. Evidence for temporary imbalance during switch from gamma to beta chain synthesis. Jensen M, et al. **Eur J Pediatr** 122(2):151–7, 4 May 76

[Trisomy 21 and superoxide dismutase–1 (IPO–A). Tentative localization of sub–band 21Q22.1] Sinet PM, et al. **Exp Cell Res** 97:47–55, Jan 76

Trisomy of the distal third of the long arm of chromosome 10. Report of a new case due to a familial translocation t(10;18) (q24;p11). Forabosco A, et al. **Helv Paediatr Acta** 30(3):289–95, Oct 75

A case report on X–trisomy in cattle. Norberg HS, et al. **Hereditas** 82(1):69–72, 1976

Two cases of trisomy 4p with translocation t(4p–,7q+) in several members of one family. Andrle M, et al. **Hum Genet** 33(2):155–60, 27 Jul 76

Partial trisomy 4q due to familial 2/4 translocation. Biederman B, et al. **Hum Genet** 33(2):147–53, 27 Jul 76

Centric fission of chromosome no. 4 in the mother of two patients with trisomy 4p. Dallapiccola B, et al. **Hum Genet** 31(1):121–5, 28 Jan 76

Complex translocation t(9;21)(9;22)(q12p13)(q12q11) in the family of a child with 9p trisomy syndrome. Dallapiccola B, et al. **Hum Genet** 33(1):73–6, 7 Jul 76

The trisomy 18 syndrome with an E/G translocation. Dziekanowska D, et al. **Hum Genet** 31(3):347–9, 12 Mar 76

47,+(9q–) in unrelated three children with plasma growth hormone deficiency. Fujita H, et al. **Hum Genet** 31(3):271–82, 12 Mar 76

On the origin of the supernumerary chromosome in autosomal trisomies—with special reference to Down's syndrome. A bias in tracing nondisjunction by chromosomal and biochemical polymorphisms. Langenbeck U, et al. **Hum Genet** 33(2):89–102, 27 Jul 76

Genetics of the +p9 syndrome. Lurie IW, et al. **Hum Genet** 32(1):23–33, 15 Apr 76 (50 ref.)

Partial trisomy 11,46,XX,–3,–20, + der3, + der20,t(3:11:20), resulting from a complex maternal rearrangement of chromosomes 3, 11, 20. Palmer CG, et al. **Hum Genet** 31(2):219–25, 29 Feb 76

Partial trisomy 15q1. Pfeiffer RA, et al. **Hum Genet** 33(1):77–83, 7 Jul 76

Further delineation of the clinical picture of trisomy for the distal segment of chromosome 13: report of three cases. Schinzel A, et al. **Hum Genet** 32(1):1–12, 15 Apr 76

Trisomy 9p resulting from maternal 9/21 translocation. Sübrt I, et al. **Hum Genet** 32(2):217–20, 19 May 76

Partial and complete trisomy 9: delineation of a trisomy 9 syndrome. Sutherland GR, et al. **Hum Genet** 32(2):133–40, 19 May 76

9p trisomy identified by Giemsa–11. Wyandt HE, et al. **Hum Genet** 31(3):355–8, 12 Mar 76

Partial trisomy 2q and familial translocation t(2;12)(q31;q24). Zabel B, et al. **Hum Genet** 32(1):101–4, 15 Apr 76

Exomphalos and trisomy 18 syndrome. Report of two cases. Zižka J, et al. **Hum Genet** 32(2):221–3, 19 May 76

Partial D 15 trisomy. A case and general review. Centerwall WR, et al. **Hum Hered** 25(6):442–52, 1975

Transmission of a t(13q22q) chromosome observed in three generations with segregation of the translocation D1–trisomy syndrome. Abe T, et al. **Humangenetik** 30(3):207–15, 20 Sep 75

Trisomy 9q–. a variant of the 9p trisomy syndrome. Centerwall WR, et al. **Humangenetik** 29(2):91–8, 10 Sep 75

A 6p trisomy detected in a family with a 'giant satellite'. Chiyo H, et al. **Humangenetik** 30(1):63–7, 20 Oct 75

Prenatal diagnosis of trisomy 9. Francke U, et al. **Humangenetik** 29(3):243–50, 23 Sep 75

A case of extra small acrocentric bisatellited chromosome in a non mongoloid child. Furbetta M, et al. **Humangenetik** 30(3):259–63, 20 Sep 75

Partial trisomy 10p. Grosse KP, et al. **Humangenetik** 29(2):141–4, 10 Sep 75

An abortus with a normal/trisomy 16 mosaicism: instability of trisomic cells in vitro. Ikeuchi T, et al. **Humangenetik** 30(2):167–71, 6 Nov 75

Histological analysis of spontaneous abortions with trisomy 2: first description of an embryo. Kleinebrecht J, et al. **Humangenetik** 29(1):15–22, 29 Aug 75

A new contribution to the study of 22 trisomy. Pérez–Castillo A, et al. **Humangenetik** 30(3):265–71, 20 Sep 75

Types of enzymatic overdosing in trisomy 21: erythrocytic superoxide dismutase–AJ and phosphoglucomutase. Prişcu R, et al. **Humangenetik** 29(1):79–83, 29 Aug 75

Trisomy 4p14 leads to 4pter with translocation t(4;15)(p14;p12) in the father. Schröchsnadel H, et al. **Humangenetik** 29(4):329–35, 7 Oct 75

Partial trisomy 9q: a new syndrome. Turleau C, et al. **Humangenetik** 29(3):233–41, 23 Sep 75

Trisomy 13 with a 13q14q translocation. Coco R, et al. **J Genet Hum** 23(1):1–6, Mar 75

Trisomy 22. Vianello MG, et al. **J Genet Hum** 23 SUPPL.:133, Oct 75

Trisomy 22. Zellweger H, et al. **J Genet Hum** 23(1):65–75, Mar 75

Trisomy 22. Zellweger H, et al. **J Genet Hum** 23 SUPPL.:134, Oct 75

Clinical and cytogenetic variations of Patau syndrome (demonstration of ten patients). Zergollern L, et al. **J Genet Hum** 23 SUPPL.:135, Oct 75

Trisomy 4q32 leads to 4qter due to a maternal 4/21 translocation. Baccichetti C, et al. **J Med Genet** 12(4):425–7, Dec 75

Identification of C trisomies in human abortuses. Boué J, et al. **J Med Genet** 12(3):265–8, Sep 75

Familial 'partial 9p' trisomy: six cases and four carriers in three generations. Centerwall WR, et al. **J Med Genet** 13(1):57–61, Feb 76

Pure partial trisomy for long arm of chromosome 9. Faed M, et al. **J Med Genet** 13(3):239–42, Jun 76

Multiple congenital defects associated with trisomy for long arm of No. 4. Issa M, et al. **J Med Genet** 13(4):326–9, Aug 76

Partial trisomy for the long arms of chromosome no. 5 due to insertion and further 'aneusomie de recombinaison'. Jalbert P, et al. **J Med Genet** 12(4):418–23, Dec 75

Partial trisomy 9 with resemblance to Coffin–Siris syndrome. Kushnick T, et al. **J Med Genet** 13(3):237–9, Jun 76

Trisomy 13 in a female over 5 years of age. Mankinen CB, et al. **J Med Genet** 13(2):157–61, Apr 76

A case of partial (9p) trisomy in a family with a balanced translocation 46,XX,t(1p+9q–). Mason MK, et al. **J Med Genet** 12(3):310–4, Sep 75

Trisomy of the short arm of chromosome 10. Nakagome Y, et al. **J Med Genet** 12(4):412–4, Dec 75

Trisomy 8 restricted to cultured fibroblasts. Niss R, et al. **J Med Genet** 13(3):229–34, Jun 76

Partial 9 trisomy by 3:1 segregation of balanced maternal translocation (7q+; 9q–). Penehaszadeh VB, et al. **J Med Genet** 12(3):301–5, Sep 75

Pseudohermaphroditism with clinical features of trisomy 19 in an infant trisomic for parts of chromosomes 16 and 18: 47,XY,der(18),t(16;18)(p12;q11)mat. Stern LM, et al. **J Med Genet** 12(3):305–7, Sep 75

A case of partial trisomy 10q. Laća Z, et al. **J Ment Defic Res** 18(4):285–91, Dec 74

Dermatoglyphic characteristics of 21–trisomy mosaicism in relation to the fully developed syndrome and normality. Loesch D. **J Ment Defic Res** 18(3):209–69, Sep 74

Topological formulation of finger–tip patterns: comparison of complete and incomplete 21 trisomics with normal subjects. Loesch D. **J Ment Defic Res** 19(2):121–37, Jun 75

A possible case of partial trisomy for chromosome 22: further evidence from Giemsa banding studies. Sands ME. **J Ment Defic Res** 18(4):327–30, Dec 74

Trisomy of the long arm of chromosome No. 1 in human leukemia. Oshimura M, et al. **J Natl Cancer Inst** 56(1):183–4, Jan 76

Congenital leukemia associated with mosaic trisomy 9. Djernes BW, et al. **J Pediatr** 88(4 Pt. 1):596–7, Apr 76

Letter: Partial trisomy 15 (dup15q) syndrome and the need for precision in clinical cytogenetics. Hecht F. **J Pediatr** 87(5):842–3, Nov 75

Letter: Transient thrombocytopenia in 18–trisomy. Markenson AL, et al. **J Pediatr** 87(5):834–5, Nov 75

Familial translocation (3p 15p) with partial trisomy for the upper arm of chromosome 3 in two sibs. Say B, et al. **J Pediatr** 88(3):447–50, Mar 76

An extra small submetacentric chromosome: possible partial 18 trisomy. Fujita K, et al. **Jpn J Hum Genet** 19(4):371–5, Mar 75

A de novo translocation t(6q+; 15q–) in a boy with trisomy 21. Iinuma K, et al. **Jpn J Hum Genet** 20(2):147–51, Sep 75

Defects in granulocyte function in various chromosome abnormalities (Down's–, Edwards'–, Cri–du–chat syndrome). Seger R, et al. **Klin Wochenschr** 54(4):177–83, 15 Feb 76

Letter: Trisomy–20 syndrome in man. Benn PA, et al. **Lancet** 1(7958):541, 6 Mar 76

Letter: Trisomy–20 syndrome in man. Gregson NM. **Lancet** 1(7960):643, 20 Mar 76

Letter: Developmental mixoploidy and trisomy–20 syndrome. Meissner LF, et al. **Lancet** 1(7965):920, 24 Apr 76

Letter: Trisomy–20 syndrome in man. Pallister PD, et al.

Lancet 1(7956):431, 21 Feb 76

Variability within Down's syndrome (trisomy-21): empirically observed sex differences in IQs. Clements PR, et al. **Ment Retard** 14(1):30–1, Feb 76

Proceedings: Hypoplasia and malformation in trisomy syndromes of the mouse foetus. Gropp A. **Mutat Res** 29(2):216, Aug 75

Trisomy and triploidy induced by X-irradiation of mouse spermatocytes. Szemere G, et al. **Mutat Res** 33(2–3):229–38, Dec 75

Increased frequency of heterozygotes for alpha1 antitrypsin variants in individuals with either sex chromosome mosaicism or trisomy 21. Fineman RM, et al. **Nature** 260(5549):320–1, 25 Mar 76

Nursing care study. A baby with trisomy E or 18. Minns H. **Nurs Times** 72(37):1430–3, 16 Sep 76

Trisomy D syndrome. Transmission of D/D translocation chromosome. Rementeria JL, et al. **NY State J Med** 75(12):2236–9, Oct 75

Prenatal diagnosis of trisomy 13 with decision not to terminate pregnancy. Elias S, et al. **Obstet Gynecol** 47(1):75S–76S, Jan 76

Labyrinthine anomalies in trisomy 13 mosaicism. Suga F, et al. **ORL** 38(2):108–19, 1976

Trisomy 8 syndrome. Cassidy SB, et al. **Pediatrics** 56(5):826–31, Nov 75

The trisomy 9p syndrome. Centerwall WR, et al. **Pediatrics** 56(5):748–55, Nov 75

Trisomy 8 mosaicism syndrome. Fineman RM, et al. **Pediatrics** 56(5):762–7, Nov 75

Familial partial trisomy of the long arm of chromosome 10 (q24–26). Moreno-Fuenmayor H, et al. **Pediatrics** 56(5):756–61, Nov 75

Developmental anomalies in a human fetus of 17 weeks' gestational age. Baillie JE, et al. **Teratology** 13(1):15–9, Feb 76

[Trisomy 8 as a defined clinical entity] Zergollern L, et al. **Acta Med Iugosl** 29(5):409–19, 1975 (Eng. Abstr.) **(Cro)**

[Trisomy 9p due to t(9p 14q) de novo] Canki N, et al. **Lijec Vjesn** 97(2):103–5, Feb 75 (Eng. Abstr.) **(Cro)**

[Double trisomy: Down's syndrome and Klinefelter's syndrome] Zižka J, et al. **Cesk Pediatr** 30(9):414–6, Sep 75 (Eng. Abstr.) **(Cze)**

[De novo trisomy 4p by 4p isochromosome] André MJ, et al. **Ann Genet (Paris)** 19(2):127, Jun 76 (Eng. Abstr.) **(Fre)**

[Trisomy 11q. Individualization of a new syndrome] Aurias A, et al. **Ann Genet (Paris)** 18(3):189–91, Sep 75 (Eng. Abstr.) **(Fre)**

[2 cases of trisomy 11q(q231—qter) by translocation t(11;22)(q231;q111) in 2 different families] Aurias A, et al. **Ann Genet (Paris)** 18(3):185–8, Sep 75 (Eng. Abstr.) **(Fre)**

[Trisomy 11 q (q23.1 – qter) through maternal translocation t(11;22) (q23.1;q11.1). A new case] Ayraud N, et al. **Ann Genet (Paris)** 19(1):65–8, Mar 76 (Eng. Abstr.) **(Fre)**

[Partial trisomy 15q due to maternal translocation t(7;15)(q35;14)] Castel Y, et al. **Ann Genet (Paris)** 19(1):15–9, Mar 76 (Eng. Abstr.) **(Fre)**

[Trisomy 10q24—10qter] Dutrillaux B, et al. **Ann Genet (Paris)** 18(4):217–22, Dec 75 (Eng. Abstr.) **(Fre)**

[2 cases of trisomy 11q(q23.2— qter) with the same abnormality of external genitalia] Laurent C, et al. **Ann Genet (Paris)** 18(3):179–84, Sep 75 (Eng. Abstr.) **(Fre)**

[Partial trisomy of the long arm of the chromosme 11 by malsegregation of a maternal translocation t(11;22)(q23 1;q1 11)] Noel B, et al. **Ann Genet (Paris)** 19(2):137, Jun 76 (Eng. Abstr.) **(Fre)**

[Partial trisomy 21 (21q21 – 21q22.2)] Poissonnier M, et al. **Ann Genet (Paris)** 19(1):69–73, Mar 76 (Eng. Abstr.) **(Fre)**

[Increase of the LDH-B activity in a boy with 12p trisomy by malsegregation of a maternal translocation t(12;14)(q12;p11)] Rethoré MO, et al. **Ann Genet (Paris)** 18(2):81–7, Jun 75 (Eng. Abstr.) **(Fre)**

[Pure trisomy 9p 47,XX,+ del(9) (q11). Discovery of one cell 46,XX, del(9) (q11) in the father] Turleau C, et al. **Ann Genet (Paris)** 18(2):125–9, Jun 75 (Eng. Abstr.) **(Fre)**

[Partial 7 q trisomy. One or 2 syndromes? Apropos of a new case] Turleau C, et al. **Ann Genet (Paris)** 19(1):37–42, Mar 76 (Eng. Abstr.) **(Fre)**

[Trisomy 10 p. A previously reported case explained by binding] Turleau C, et al. **Ann Genet (Paris)** 19(1):61–4, Mar 76 (Eng. Abstr.) **(Fre)**

[Trisomy 8 in mosaicism] Giraud F, et al. **Arch Fr Pediatr** 32(2):177–83, Feb 75 (Eng. Abstr.) **(Fre)**

[Reverse type of cri du chat disease: 5 p trisomy] Stoll C, et al. **Arch Fr Pediatr** 32(6):551–61, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Chromosome mechanism of Down's syndrome (Mongolism) and its prevention] Rodesch F, et al. **Brux Med** 55(8):429–31, Aug 75 **(Fre)**

[Characteristics of meiosis in a trisomic male of the Urodele amphibian Pleurodeles waltlii Michah] Guillemin C. **C R Acad Sci [D] (Paris)** 281(2–3):159–62, 21 Jul 75 (Eng. Abstr.) **(Fre)**

[Partial trisomy 11q and familial translocation 11—22 (author's transl)] Giraud F, et al. **Humangenetik** 28(4):343–7, 25 Aug 75 (Eng. Abstr.) **(Fre)**

[Trisomy 4p. Three new observations (author's transl)] Giraud F, et al. **Humangenetik** 30(2):99–108, 6 Nov 75 (Eng. Abstr.) **(Fre)**

[Anatomo-pathological and cytogenetic study of free trisomy 13 and a case of trisomy 13 due to a translocation 13q13q] Addor C, et al. **J Genet Hum** 23 SUPPL:71–6, Oct 75 **(Fre)**

[A further case of partial trisomy 4p] Crisalli M, et al. **J Genet Hum** 23 SUPPL:96, Oct 75 **(Fre)**

[A case of duplicate 2lp maternal chromosomes in a case of trisomy 21] Emberger JM, et al. **J Genet Hum** 23 SUPPL:98–101, Oct 75 **(Fre)**

[Epidemiological aspects of trisomy 21] Giraud F, et al. **J Genet Hum** 23 SUPPL:1–30, Oct 75 (189 ref.) (Eng. Abstr.) **(Fre)**

[Sex ratio and maternal age in trisomy 18] Le Marec B, et al. **J Genet Hum** 23 SUPPL:119–20, Oct 75 **(Fre)**

[Chromosome analyses in parents of children with trisomy 21[Mattei JF, et al. **J Genet Hum** 23 SUPPL:31–41, Oct 75 (Eng. Abstr.) **(Fre)**

[Partial trisomy for the short arms of chromosome 9 in a girl as the result of a 9–22 translocation in her mother] Philippe N, et al. **J Genet Hum** 23 SUPPL:129–30, Oct 75 **(Fre)**

[Letter: Study of anthropometric characteristics and of dermatoglyphics in the parents of children with 21 trisomy] Galiana A, et al. **Nouv Presse Med** 4(32):2335, 4 Oct 75 **(Fre)**

[Abnormalities syndrome in trisomy 9p] Neuhäuser G. **Hippokrates** 46(4):504–5, Nov 75 **(Ger)**

[Abnormalities syndrome in trisomy 10p] Neuhäuser G. **Hippokrates** 46(2):244–5, Jun 75 **(Ger)**

[Abnormalities syndrome in partial trisomy of the chromosome 13] Neuhäuser G. **Hippokrates** 46(2):242–3, Jun 75 **(Ger)**

[Cockayne's syndrome] Brezina Z, et al. **Kinderaerztl Prax** 44(6):259–62, Jun 76 **(Ger)**

[Numerical and structural anomalies of chromosome no. 18 (author's transl)] Aksu F, et al. **Klin Paediatr** 188(3):220–32, May 76 (Eng. Abstr.) **(Ger)**

[The phenotype of the trisomy of the short arm of chromosome no. 4. (a new case with t (4p; 11q) (author's transl)] Kessel E, et al. **Klin Paediatr** 188(3):215–9, May 76 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis in balanced D/D translocation carriers] Bühler EM, et al. **Monatsschr Kinderheilkd** 123(5):232–33, May 75 **(Ger)**

[Prenatal diagnosis of chromosome aberrations] Mikkelsen M. **Monatsschr Kinderheilkd** 123(5):203–5, May 75 **(Ger)**

[Mosaicism between normal diploid and 18-trisomic cell population (46, XX/47, XXE18+) with weak expression of 18-trisomic cell line] Schmidt A, et al. **Monatsschr Kinderheilkd** 124(5):462–4, May 76 **(Ger)**

[Cytogenetic and clinical investigations in trisomia 22 (author's transl)] Mangold B, et al. **Paediatr Paedol** 11(3):504–10, 1976 **(Ger)**

[Investigations of erythrocyte metabolism in trisomy 21 (author's transl)] Schwarzmeier JD, et al. **Paediatr Paedol** Suppl 4:98–103, 1975 (Eng. Abstr.) **(Ger)**

[Trisomy 18. Description of 2 cases] Caramello-Gandolfo, et al. **Ann Osp Maria Vittoria Torino** 17(1–6):155–65, Jan–Jun 74 **(Ita)**

[Trisomy 13. Description of a case with rare malformations] Westermann P, et al. **Minerva Pediatr** 27(31):1750–9, 6 Oct 75 **(Ita)**

[2 cases of trisomy 18] Bruschi L, et al. **Pediatria (Napoli)** 83(2):364–70, 30 Jun 75 (Eng. Abstr.) **(Ita)**

['Normal-trisomy 21' mosaicism] Pavone L, et al. **Pediatria (Napoli)** 82(4):615–27, 31 Dec 74 (Eng. Abstr.) **(Ita)**

[2 cases of autosomal aberrations] Górnicka Z, et al. **Pediatr Pol** 51(5):589–93, May 76 **(Pol)**

[Trisomy of an autosome in mice heterozygous by a Robertson translocation] Baranov VS, et al. **Arkh Anat Gistol Embriol** 69(11):63–74, Nov 75 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of phenotypes in numerical anomalies of human X-chromosomes (morphologic and psychological features)] Davidenkova EF, et al. **Genetika** 12(2):127–36, 1976 (Eng. Abstr.) **(Rus)**

[A complex study of strains of human cells with karyotype anomalies. III. An immunoelectrophoretic analysis of water-soluble antigens] Mikhailov AT, et al. **Genetika** 11(10):117–24, 1975 (Eng. Abstr.) **(Rus)**

[Enzymes of cultured human fibroblasts. IV. Enzyme activity in trisomy C strains] Tamarkina AD, et al. **Genetika** 11(4):142–5, Apr 75 (Eng. Abstr.) **(Rus)**

[New methodologic approaches and perspectives in experimental cytogenetics of embryonic mammalian development] Dyban AP. **Ontogenez** 5(6):568–81, 1974 (88 ref.) (Eng. Abstr.) **(Rus)**

[New methodologic approaches and perspectives in experimental cytogenetics of embryonic mammalian development] Dyban AP. **Ontogenez** 5(6):568–81, 1974 (88 ref.) (Eng. Abstr.) **(Rus)**

[Patau's syndrome (report of a case)] Zergollern L, et al. **Med Arh** 28(3):319–23, May–Jun 74 (Eng. Abstr.) **(Ser)**

[Ultrastructural renal lesions in the Cockayne syndrome. A case report (author's transl)] Hernández AL, et al. **Rev Invest Clin** 27(2):153–8, Apr–Jun 75 (Eng. Abstr.) **(Spa)**

TRITERPENES

The effect of sodium carbenoxolone on the permeability of phosphatidylcholine and phosphatidylcholine: cholesterol liposomes. Symons AM. **Biochem Pharmacol** 25(13):1545–7, 1 Jul 76

24-Methylenelanost-9(11)-en-3beta-ol, new triterpene alcohol from shea butter. Itoh T, et al. **Lipids** 10(8):454–60, Aug 75

[Formation of a tetraene from 18beta-glycyrrhetic acid (author's transl)] Brieskorn CH, et al. **Arch Pharm (Weinheim)** 308(11):852–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Studies on the constituents of Lyonia ovalifolia Drude var. elliptica Hand.-Mazz. XX. Structure of triterpenoid glucoside, lyofolic acid. (4). Correlation of protolyofoligenic acid with cycloartenol (author's transl)] Sakakibara J, et al. **J Pharm Soc Jpn** 95(9):1085–91, Sep 75 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Renin-angiotensin and aldosterone system during carbenoxolone-induced escape phenomenon] Krause DK, et al. **Verh Dtsch Ges Inn Med** 81:1532–5, 1975 **(Ger)**

ADVERSE EFFECTS

Carbenoxolone-induced hypokalaemia simulating Guillain-Barré syndrome. Royston A, et al. **Br Med J** 2(6028):150–1, 17 Jul 76

[Life-threatening hypokalemic paralysis in carbenoxolone therapy] Thorwirth V, et al. **Nervenarzt** 46(6):322–4, Jun 75 **(Ger)**

ANALYSIS

Triterpenoid carotenoids and related lipids. Triterpenoid carotenoid aldehydes from Streptococcus faecium UNH 564P. Taylor RF, et al. **Biochem J** 153(2):233–9, 1 Feb 76

A 1,2,3,4-tetrahydroxy pentane-substituted pentacyclic triterpene from Bacillus acidocaldarius. Langworthy TA, et al. **Biochim Biophys Acta** 431(3):570–7, 22 Jun 76

Sterol composition of butters and margarines. Pyle CA, et al. **J Sci Food Agric** 27(3):219–24, Mar 76

24-Methylenedammarenol: a new triterpene alcohol from shea butter. Itoh T, et al. **Lipids** 10(12):808–13, Dec 75

Chemical constituents of Zizyphus spina christi. Ikram M, et al. **Planta Med** 29(3):289–90, May 76

Proton magnetic resonance spectra of tetracyclic triterpene alcohols under the influence of a lanthanide shift reagent. Itoh T, et al. **Steroids** 27(2):275–85, Feb 76

[The structure of glycosidues from Viscaria viscosa] Bucharov WG, et al. **Pharmazie** 30(6):394–5, Jun 75 **(Ger)**

[Study of the triterpenoids and steroids of the marsh hedge nettle] Ross SA, et al. **Farm Zh** 30(3):91–2, 1975 **(Ukr)**

ANTAGONISTS & INHIBITORS

Drug interaction between asiaticoside and some anti-inflammatory drugs in wound healing of the rat. Velasco M, et al. **Curr Ther Res** 19(1):121–5, Jan 76

BIOSYNTHESIS

Glycosides of marine invertebrates. III. Biosynthesis of stichoposides from acetate. Elyakov GB, et al. **Comp Biochem Physiol [B]** 52(2):321–3, 15 Oct 75

Letter: Nonspecific biosynthesis of hopane triterpenes in a cell-free system from Acetobacter rancens. Anding C, et al. **J Am Chem Soc** 98(5):1274–5, 3 Mar 76

Investigations on the biosynthesis of steroids and terpenoids. Part XII. Biosynthesis of 3beta-hydroxy-triterpenoids and -steroids from (3S)-2,3-epoxy-2,3-dihydrosqualene. Barton DH, et al. **J Chem Soc [Perkin 1]** (12):1134–8, 1975

BLOOD

Proceedings: Interaction of carbenoxolone sodium with other drigs bound to plasma proteins. Gottfried S, et al. **Br J Pharmacol** 55(2):252P–253P, Oct 75

CHEMICAL SYNTHESIS

The preparation of tritiated betulaprenols and dolichols. Keenan RW, et al. **Anal Biochem** 69(2):504–9, Dec 75

[Syntheses of nitrogen-containing triterpenes. III. Derivatives of betulinic acid and oleanolic acid (author's transl)] Yasue M, et al. **J Pharm Soc Jpn** 94(11):1468–74, Nov 74 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Triterpenoids and related compounds from Crataeva nurvala. Lakshmi V, et al. **Planta Med** 27(3):254–6, May 75

2Alpha,3alpha-dihydroxyolean-12-en-28-oic acid from Holoptelea Integrifolia heartwood. Misra G, et al. **Planta Med** 27(3):290–7, May 75

psi-Taraxasterol acetate from Inula viscosa. Oksüz S. **Planta Med** 29(4):343–5, Jun 76

Investigation of Strychnos spp. III. Study of triterpenes and sterols of Strychnos potatorum seeds. Singh H, et al. **Planta Med** 28(4):392–6, Dec 75

Triterpenoids of Adenanthera pavonina bark. Yadav N, et al. **Planta Med** 29(2):176–8, Mar 76

[Two triterpenes from the flowers of the elder] Hänsel R,

et al. **Arch Pharm (Weinheim)** 308(10):790–2, Oct 75 **(Ger)**

[Further components from radix Harpagophytum procumbens DC] Tunmann P, et al. **Arch Pharm (Weinheim)** 308(8):655–7, Aug 75 **(Ger)**

[On the structures of hydrocotylegenins C and F] Keipert M, et al. **Pharmazie** 30(9):619, Sep 75 **(Ger)**

[Bayogenin — a sapogenin in Solidago canadensis L. 2. The saponins of the species Solidago] Murach M, et al. **Pharmazie** 30(9):619–20, Sep 75 **(Ger)**

[Studies on the constituents of Cimicifuga spp. IX. Structure of Cimigol (author's transl)] Kusano G, et al. **J Pharm Soc Jpn** 95(10):1133–7, Oct 75 (Eng. Abstr.) **(Jpn)**

[Studies on the constituents of Cimicifuga spp. XI. Isolation and stereostructures of dahurinol, dehydroxydahurinol, isodahurinol and 25-o-methylisodahurinol (author's transl)] Kusano G, et al. **J Pharm Soc Jpn** 96(1):82–5, Jan 76 (Eng. Abstr.) **(Jpn)**

[Studies on the constituents of Cimicifuga spp. XII. A revised structure of acerinol and the structures of the related compounds (author's transl)] Kusano G, et al. **J Pharm Soc Jpn** 96(3):321–5, Mar 76 (Eng. Abstr.) **(Jpn)**

[Studies on the Chinese crude drug 'Shôma'. III. Triterpene glycosides from Cimicifuga japonica and structure of 25-anhydrocimigenol arabinoside (author's transl)] Sakurai N, et al. **J Pharm Soc Jpn** 95(11):1354–60, Nov 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Studies on tetrahymena membranes. Modification of surface membrane lipids by replacement of tetrahymanol by exogenous ergosterol in Tetrahymena pyriformis. Nozawa Y, et al. **Biochim Biophys Acta** 406(2):248–63, 6 Oct 75

Gastrointestinal absorption of carbenoxolone in the rat determined in vitro and in situ: deviations from the pH-partition hypothesis. Bridges JW, et al. **J Pharm Pharmacol** 28(2):117–26, Feb 76

PHARMACODYNAMICS

Antibiotic action of beta-ursolic acid. Kowalewski Z, et al. **Arch Immunol Ther Exp (Warsz)** 24(1):115–9, 1976

The effect of carbenoxolone sodium on the plasma 11 hydroxycorticoid levels in chronic gastric ulceration. Gollan JL, et al. **Aust NZ J Med** 5(3):231–4, Jun 75

Proceedings: The effect of carbenoxolone and phenol red on the permeability of steroid-treated gastric mucosa, using 99Tc as a tracer. Newman BM, et al. **Br J Surg** 62(8):659–60, Aug 75

Drug interaction between asiaticoside and some anti-inflammatory drugs in wound healing of the rat. Velasco M, et al. **Curr Ther Res** 19(1):121–5, Jan 76

Effects of carbenoxolone on gastric mucosal permeability and blood flow in the dog. Simons MA, et al. **Gastroenterology** 71(4):603–7, Oct 76

Effect of carbenoxolone on prostaglandin synthesis and degradation. Peskar BM, et al. **J Pharm Pharmacol** 28(2):146–8, Feb 76

The effect of an aldosterone antagonist on the protective action of carbenoxolone on the gastric mucosal barrier. Rees WD, et al. **J Pharm Pharmacol** 27(12):903–6, Dec 75

Effect of gymnemic acid on single taste hairs of the housefly, Musca domestica. Kennedy LM, et al. **Physiol Behav** 14(6):755–65, Jun 75

[Effect of carbenoxolone and deglycyrhizinized succus liquiritiae on plasma cortisol in healthy subjects] Baas EU, et al. **Verh Dtsch Ges Inn Med** 81:1239–41, 1975 **(Ger)**

[Proceedings: Behavior of gastrin and renin following deglycyrrhizinized succus liquiritiae and carbenoxolone administration in healthy subjects] Baas EU, et al. **Z Gastroenterol** 14(2):231–2, Mar 76 **(Ger)**

[Behavior of the nucleic acids and proteins in the perfused guinea-pig stomach under the influence of the action of carbenoxalone] Casti A, et al. **Boll Soc Ital Biol Sper** 52(10):697–703, 30 MAY 76 **(Ita)**

[Effect of carbenoxalone on the nucleic acids and proteins of the gastric and duodenal mucosa of guinea pigs] Casti A, et al. **Boll Soc Ital Biol Sper** 52(10):691–6, 30 MAY 76 **(Ita)**

THERAPEUTIC USE

Effects of carbenoxolone Na on acute and chronic gastric ulcer models in experimental animals. Okabe S, et al. **Am J Dig Dis** 21(8):618–25, Aug 76

Local asiaticoside in the treatment of ulcers & wounds of the cornea. Mekkawi MF. **Bull Ophthalmol Soc Egypt** 68:77–9, 1975

Carbenoxolone sodium: its role in ulcer healing. Langman MJ. **Drugs** 11(4):241–4, 1976

Carbenoxolone: a review of its pharmacological properties and therapeutic efficacy in peptic ulcer disease. Pinder RM, et al. **Drugs** 11(4):245–307, 1976 (128 ref.)

Mucosal changes in gastric ulceration and their response to carbenoxolone sodium. Steer HW, et al. **Gut** 16(8):590–7, Aug 75

Treatment of ulcer bladder with asiaticoside. Etrebi A, et al. **J Egypt Med Assoc** 58(5–6):324–7, 1975

Letter: Carbenoxolone sodium in the treatment of gestric ulceration in Chinese. **Med J Aust** 1(11):367, 15 Mar 75

A double blind trial of carbenoxolone and geranyl farnesyl acetate in gastric ulcer. Smith PM, et al. **Scand J Gastroenterol** 10(7):753–5, 1975

[Liquorice preparations in the treatment of peptic ulcer (author's transl)] Ronský R. **Cesk Gastroenterol Vyz** 29(7):463–70, Oct 75 (Eng. Abstr.) **(Cze)**

TOXICITY

Triterpenes of toxic and non-toxic taxa of Lantana camara. Hart NK, et al. **Experientia** 32(4):412–3, 15 Apr 76

Toxic effects of certain pentacyclic triterpenoids on early embryogenesis of the sea urchin. Anisimov MM, et al. **Toxicon** 14(4):259–65, 1976

TRITIUM

Miniature dark adaptometer using tritium as a light source. Roger FC. **Am J Ophthalmol** 82(2):313–5, Aug 76

Glucose turnover values in the dog obtained with various species of labeled glucose. Altszuler N, et al. **Am J Physiol** 229(6):1662–7, Dec 75

Estimation of glucose turnover and recycling in rabbits using various [3H, 14C]glucose labels. Dunn A, et al. **Am J Physiol** 230(4):1159–62, Apr 76

The preparation of a semisynthetic tritiated insulin with a specific radioactivity of up to 20 Curies per millimole. Halban PA, et al. **Biochem J** 151(2):219–25, Nov 75

The 3H-labelling of bilirubin. Hancock FE, et al. **Biochem J** 157(2):511–2, 1 Aug 76

Human pituitary somatotropin: 46. Preparation of tritium labelled hormone. Kawauchi H, et al. **Biochim Biophys Acta** 420(1):214–7, 20 Jan 76

Tritiation of DNA for studying molecular hybridization and reassociation kinetics. Kavoor A, et al. **Biochimie** 58(6):743–5, 1976

Effect of ionizing tritium radiation in hermetically closed air on the removal of condensation nuclei. Mączyński B, et al. **Environ Res** 12(1):9–17, Aug 76

Death of Lactobacillus acidophilus caused by incorporated 3H-thymine during incubation without amino acids. Koukalová B. **Folia Microbiol (Praha)** 21(2):107–16, 1976

Letter: Radiation risk from operation of Sc3H electron-capture detectors. Baum JJ. **Health Phys** 30(5):419–20, May 76

Release of radioactivity from a scandium tritide electron capture detector used in gas chromatography. Carlton WH, et al. **Health Phys** 29(3):411–3, Sep 75

A study of the particulate and gaseous emissions of tritium from neutron generator targets. Kocol H, et al. **Health Phys** 31(1):73–6, JUL 76

Study on the elimination of tritium in mice injected with tritiated water. Ueno Y, et al. **Health Phys** 29(3):413–5, Sep 75

Conformational properties of normal rabbit IgG: tritium-hydrogen exchange studies. pp 51–6. Poulsen FM, et al. **In: Gergely J, Medyesi GA, ed. Antibody structure and molecular immunology. Amsterdam, North-Holland, 1975. W3 FE322 9th v.36.**

Extensive chromosome aberrations caused by [3H]thymidine incorporation in a diploid monkey cell line DBS-FRhL-2. Huang CC, et al. **In Vitro** 11(4):234–8, Jul-Aug 75

Letter: Tritium hazards connected with the operation of a neutron generator. Kollár J, et al. **Int J Appl Radiat Isot** 26(10):635–6, Oct 75

Tritium labeling of immunoglobulin with iodoacetic acid. Parkinson AJ, et al. **Int J Appl Radiat Isot** 26(6–7):367–71, Jun-Jul 75

Incorporation of tritiated thymidine of high specific activity into DNA of the mouse oocyte. Hurst PR. **Int J Radiat Biol** 28(5):447–52, Nov 75

The oxygen-enhancement ratio for reproductive death induced by 3H or 125I damage in mammalian cells. Koch CJ, et al. **Int J Radiat Biol** 28(5):417–25, Nov 75

The effect of short-term labelling in (3H) thymidine on the viability of mouse blastomeres: alone and in combination with unlabelled blastomeres. Kelly SJ, et al. **J Embryol Exp Morphol** 35(1):95–106, Feb 76

Synthesis of 11, 12-2H2- and 11, 12-3H2-labeled chenodeoxycholic and lithocholic acids. Cowen AE, et al. **J Lipid Res** 17(3):231–8, May 76

Synthesis of tritium- and deuterium-labeled 9-beta-D-arabinofuranosyladenine and the tritium-labeled 5'-monophosphate ester with increased metabolic stability. Baker DC, et al. **J Med Chem** 18(10):1041–4, Oct 75

Neoplastic and life-span effects of chronic exposure to tritium. I. Effects on adult rats exposed during pregnancy. Cahill DF, et al. **J Natl Cancer Inst** 55(2):371–4, Aug 75

On the measurement of tritium in DNA and its applications to the assay of DNA polymerase activity. Schrier BK, et al. **Methods Cell Biol** 13:105–20, 1976

Mutation production from tritium decay: a local effect for (3H)a-adenosine and (3H)6-thymidine decays. Person S, et al. **Mutat Res** 34(2):327–32, Feb 76

Enrichment for auxotrophic and heat-sensitive mutants of Neurospora crassa by tritium suicide. Russell PJ, et al. **Mutat Res** 34(3):359–66, Mar 76

Perturbations in cell cycle progression from radioactive DNA precursors. Ehmann UK, et al. **Nature** 258(5536):633–6, 18 Dec 75

Tritium labelling of nucleic acids accompanied by conversion of cytosine to uracil. Scheinker VS. **Nucleic Acids Res** 3(3):809–16, Mar 76

Cell killing by gamma rays and beta particles from tritiated water and incorporated tritiated thymidine. Bedford JS, et al. **Radiat Res** 63(3):531–43, Sep 75

Dominant lethal mutations in mice resulting from chronic tritiated water (HTO) ingestion. Carsten AL, et al. **Radiat Res** 66(3):609–14, Jun 76

The radiotoxicity of iodine-125 in mammalian cells II. A comparative study on cell survival and cytogenetic responses to 125IUdR, 131TUdR, and 3HTdR. Chan PC, et al. **Radiat Res** 67(2):332–43, Aug 76

In vivo labeling effectiveness of tritiated thymidine of high and low specific activities in rabbits. Dannenberg AM Jr, et al. **Radiat Res** 67(1):98–103, Jul 76

The RBE of tritium radiation measured in mouse oocytes: increase at low exposure levels. Dobson RL, et al. **Radiat Res** 66(3):615–25, Jun 76

Some effects of chronic tritium exposure during selected ages in the rat. Laskey JW, et al. **Radiat Res** 67(2):314–23, Aug 76

Tritiated-thymidine induced changes in cell population kinetics in root meristems of Pisum sativum. Sletka DG, et al. **Radiat Res** 64(3):475–84, Dec 75

Biochemical synthesis of stereospecifically hydrogen labeled compounds on a preparative scale, VII-3 Synthesis of further substrates of NAD(P)-linked dehydrogenases of high specific tritium content. Alizade MA, et al. **Z Naturforsch [C]** 30(2):141–6, Mar-Apr 75

[Management of tritium produced by energy centers] Selleslagh E. **J Belge Radiol** 58(2):129–34, Mar-Apr 75 (Eng. Abstr.) **(Dut)**

[Uses of tritium. Its production and problems posed by its use in the laboratory] Constant R, et al. **J Belge Radiol** 58(2):157–65, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Basic standards of radioprotection and derived limits for tritium] Dousset M. **J Belge Radiol** 58(2):167–71, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Production of tritium in nuclear reactors] Gueben M, et al. **J Belge Radiol** 58(2):121–28, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Transfer in the biological cycle of tritium wastes] Kirchmann R. **J Belge Radiol** 58(2):135–45, Mar-Apr 75 (Eng. Abstr.) **(Fre)**

[Preparation of 2-hydroxyestra-1,3,5(10)-trien-17beta-ol-6,7-3H (author's transl)] Yoshizawa I, et al. **J Pharm Soc Jpn** 94(11):1484–8, Nov 74 (Eng. Abstr.) **(Jpn)**

[Preparation of 3H-ribonuclease by the method of tritium activation at high temperature and its purification using affinity chromatography] Gonikberg EM, et al. **Dokl Akad Nauk SSSR** 229(1):112–5, JUL-AUG 76 **(Rus)**

[Method of selective damage to cells with different levels of ribonucleic acid synthesis] Polikarpova SI, et al. **Dokl Akad Nauk SSSR** 224(1):216–9, Sep-Oct 75 **(Rus)**

[Preparation of tritium-labeled biologically active compounds] Shishkov AV, et al. **Dokl Akad Nauk SSSR** 228(5):1237–9, 1976 **(Rus)**

[Problems of radiation safety in work with tritiated phosphors] Zhuravlev VF, et al. **Gig Sanit** (7):88–93, Jul 75 **(Rus)**

ADVERSE EFFECTS

Effects of tritium on the human organism. Feinendegen LE. **J Belge Radiol** 58(2):147–55, Mar-Apr 75

Neoplastic and life-span effects of chronic exposure to tritium. II. Rats exposed in utero. Cahill DF, et al. **J Natl Cancer Inst** 55(5):1165–9, Nov 75

ANALYSIS

A sensitive method for measuring protein turnover based on the measurement of 2-3H-labelled amino acids in protein. Humphrey TJ, et al. **Biochem J** 156(3):561–8, 15 Jun 76

'Fallout tritium' distribution in the environment. Bogen DC, et al. **Health Phys** 30(2):203–8, Feb 76

Tritium concentration in urine and blood of Austrian residents. Irlweck K, et al. **Health Phys** 30(5):407–9, May 76

Biological half-life of tritium in chickens and eggs. Mullen AL, et al. **Health Phys** 30(3):310–1, Mar 76

Efficiency of wipe samples in the determination of carbon-14 and tritium contamination. Muse LA, et al. **Health Phys** 30(4):355–6, Apr 76

Chemical forms of tritium in reactor-produced fluorine-18. Collins CH, et al. **Int J Appl Radiat Isot** 26(10):571–2, Oct 75

A simple method for detecting 3H in brain tissue using liquid scintillation counting and Instagel. Flindt-Eegbak. **Int J Appl Radiat Isot** 27(3):173–7, Mar 76

Improved separation of 3H and 125I spectra in liquid scintillation counting by doping with thallium and lead. Lundqvist H, et al. **Int J Appl Radiat Isot** 27(4):233–7, Apr 76

Oxygen bomb combustion of environmental and biological samples for tritium analysis. Moghissi AA, et al. **Int J Appl Radiat Isot** 26(6–7):339–42, Jun-Jul 75

The analysis of 3H and 14C labelled compounds in the form of doubly labelled methane. Povinec P. **Int J Appl Radiat Isot** 26(8):465–9, Aug 75

Conversion of water to a counting gas for low-level tritium measurements by means of aluminium carbide. Siegenthaler U, et al. **Int J Appl Radiat Isot** 26(8):459–64, Aug 75

Determination of blanks in low-level tritium measurement. Weiss W, et al. **Int J Appl Radiat Isot** 27(4):217–25, Apr 76

Autoradiographic analysis of tritium on polyacrylamide gel. Amaldi PP. **Methods Cell Biol** 10:361–4, 1975

[Tritium in the biosphere and its transfer into the food chain] Kirchmann R, et al. **J Belge Radiol** 55(2):233–42, Mar–Apr 72 (Eng. Abstr.) **(Fre)**

BLOOD

Liquid scintillation counting of tritiated water in plasma following dioxane precipitation. Springell PH, et al. **Int J Appl Radiat Isot** 27(2):85–8, Feb 76

DIAGNOSTIC USE

Use of radioactive isotopes in the study of specific schistosome membrane antigens. pp. 127–43. Kusel JR, et al.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

[Conference on problems posed by tritium organized by the Belgian Association for Radioprotection at Brussels, December 7, 1974] Hubert EH. **J Belge Radiol** 58(2):115–9, Mar–Apr 75 **(Fre)**

METABOLISM

Tritium release from [2–3H]D–glucose as a monitor of glucose consumption by bovine sperm. Hammerstedt RH. **Biol Reprod** 12(5):545–51, Jun 75

Retention of tritium during the binding of tritiated benz(a)pyrene to DNA. Osborne MR, et al. **Int J Cancer** 16(4):659–64, 15 Oct 75

Transplacental passage of label after administration of (3H) retinoic acid (vitamin A acid) to pregnant mice. Kochhar DM. **Teratology** 14(1):53–63, Aug 76

Uptake and distribution of 3H testosterone in tissues of male Praomys (Mastomys) Natalensis: an in vivo and in vitro study on the prostate. Ghanadian R, et al. **Urol Res** 4(2):77–81, 23 Jul 76

[Experimental study on tritium incorporation in the tissues and DNA of mammals] Lejeune P, et al. **J Belge Radiol** 58(2):173–83, Mar–Apr 75 **(Fre)**

[Metabolism and radiation loads in the growing body during chronic intake of tritium] Rasin IM. **Med Radiol (Mosk)** 20(10):67–8, Oct 75 **(Rus)**

PHARMACODYNAMICS

Determination of the isotope effect of the enzymatic oxidation of (R)Carnitine by displacement of the equilibrium via mass action. Brendel K, et al. **Z Naturforsch [C]** 30(4):438–41, Jul–Aug 75

THERAPEUTIC USE

[Possibilities of using tritium in the intratissue rachiotheraphy of tumors] Vdovenko VM, et al. **Radiobiol Radiother (Berl)** 16(1):27–35, 1975 **(Ger)**

URINE

Examples of internal contamination by tritium–thymidine having short half–lives. Nishizawa K. **Health Phys** 29(2):348–9, Aug 75

TRITOLYL PHOSPHATE see under **CRESOLS**

TRITONS see under **AMMONIUM COMPOUNDS**

TRITRICHOMONAS

Gastrointestinal trichomonads in horses: occurrence and identification. Damron GW. **Am J Vet Res** 37(1):25–8, Jan 76

Early pathogenesis and pathology of Tritrichomonas foetus infection in virgin heifers. Parsonson IM, et al. **J Comp Pathol** 86(1):59–66, Jan 76

METABOLISM

Uptake of metronidazole and its effect on viability in trichomonads and Entamoeba invadens under anaerobic and aerobic conditions. Müller M, et al. **Antimicrob Agents Chemother** 9(4):696–700, Apr 76

ULTRASTRUCTURE

Circular DNA and cardiolipin in hydrogenosomes, microbody–like organelles of trichomonads. Cerkasovová A, et al. **Folia Parasitol (Praha)** 23(1):33–7, 1976

TRITURUS

ANATOMY & HISTOLOGY

The fine structure of the fundic stomach epithelium of the western newt. II. After histamine stimulation. Leeson TS. **Zentralbl Veterinaermed [C]** 4(2):97–112, Jun 75

[Heterochromatin—a possible evolution mechanism in amphibia] Czaker R. **Verh Anat Ges** 69:183–7, 1975 (Eng. Abstr.) **(Ger)**

[The morphology of the endocrine portion of the amphibian pancreas] Iaglov VV. **Arkh Anat Gistol Embriol** 70(3):73–8, Mar 76 (Eng. Abstr.) **(Rus)**

BLOOD

The microtubule marginal band of the newt erythrocyte. Observations on the isolated band. Bertolini B, et al. **J Ultrastruct Res** 54(1):59–67, Jan 76

EMBRYOLOGY

Neural crest and early fore limb development in amphibia. Rollhäuser–ter Horst J. **Anat Embryol (Berl)** 147(3):337–44, 25 Sep 75

Cytochemical evidence for stage–specific changes of nuclear RNA and nonhistone protein content during early development of Triturus vulgaris. Lohmann K, et al. **Experientia** 32(3):380–1, 15 Mar 76

Studies on early embryonic induction and differentiation. pp. 792–803. Grunz H.
In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.

GROWTH & DEVELOPMENT

[Evolution of xenografts of embryonic gonads and juvenile ovaries from Ambystoma mexicanum Shaw, transplanted into Triturus alpestris Laur] Houillon C. **C R Acad Sci [D] (Paris)** 281(2–3):171–4, 21 Jul 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The rejection of intra– and intersexual skin grafts in newts (Triturus vulgaris and Triturus alpestris). Plytycz B. **Bull Acad Pol Sci [Biol]** 23(10):699–705, 1975

METABOLISM

The mitotic chromosomes of Notophthalmus (=Triturus) viridescens: localization of C banding regions and DNA sequences complementary to 18S, 28S and 5S ribosomal RNA. Hutchison N, et al. **Chromosoma** 53(1):51–69, 20 Nov 75

Identification of the lampbrush chromosome loops which transcribe 5S ribosomal RNA in Notophthalmus (Triturus) viridescens. Pukkila PJ. **Chromosoma** 53(1):71–89, 20 Nov 75

PHYSIOLOGY

Humoral lymphocytopoietic factor in thymectomized Triturus cristatus. Garavini C. **Boll Soc Ital Biol Sper** 51(18):1109–12, 30 Sep 75

Studies on pteridines during tail regeneration in Amphibia. Kokolis N. **Comp Biochem Physiol [B]** 54(2):285–7, 1976

Changes in the spermatozoon during fertilization in Triturus helveticus Raz. pp. 47–56. Werner G.
In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.

Assay of cyclic 3'–5'–monophosphate in the regenerating forelimb of the newt, Triturus. Jabaily J, et al. **J Morphol** 147(4):379–83, Dec 75

[Erythropoiesis in/splenectomized Triturus cristatus] Garavini C, et al. **Boll Soc Ital Biol Sper** 50(23–24):2105–10, 30 Dec 74 **(Ita)**

[Erythropoietic activity of the heart in splenectomized Triturus cristatus] Garavini C, et al. **Boll Soc Ital Biol Sper** 50(23–24):2111–4, 30 Dec 74 **(Ita)**

[Proceedings: Exocytosis of autonomic nervous system transmitter substances] Nagasawa J, et al. **J Physiol Soc Jpn** 36(8–9):290, 1 Sep 74 **(Jpn)**

[Lactate dehydrogenase isoenzymes during regeneration of the lens and retina in adult tritons] Mitashov VI, et al. **Ontogenez** 5(5):513–7, 1974 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase isoenzymes during regeneration of the lens and retina in adult tritons] Mitashov VI, et al. **Ontogenez** 5(5):513–7, 1974 (Eng. Abstr.) **(Rus)**

TRITYL COMPOUNDS

The effect of the molluscicide N–tritylmorpholine on transmission of Fasciola hepatica. Crossland NO. **Vet Rec** 98(3):45–8, 17 Jan 76

CHEMICAL SYNTHESIS

[Latency of chemotherapeutical agents. V. Synthesis of organic salts of tris (p–aminopheny) carbonium] Korolkovas A, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(1):21–35, Jan–Jun 74 (Eng. Abstr.) **(Por)**

PHARMACODYNAMICS

Effects of S–(trityl)–L–cysteine and its analogs on cell surface properties of leukemia L1210 cells. Kessel D, et al. **Biochem Pharmacol** 25(16):1893–7, 15 Aug 76

The mechanism of inhibition of initiation of protein synthesis in reticulocyte lysates by pyrocatechol violet. Margulies LJ, et al. **Biochim Biophys Acta** 435(2):152–8, 18 Jun 76

Frescon: neurophysiological action of a molluscicide. Moreton RB, et al. **Experientia** 32(5):611–2, 15 May 76

THERAPEUTIC USE

[In–vitro studies on the usability of various triphenylmethane dyes and their leukobases in the treatment of microbial dermatoses] Kühne KH, et al. **Dermatol Monatsschr** 161(6):466–9, Jun 75 (Eng. Abstr.) **(Ger)**

TROCHLEAR NERVE

ANATOMY & HISTOLOGY

[Pori durales of Nn. III, IV, and VI] Lang J. **Verh Anat Ges** 69:785–91, 1975 **(Ger)**

CYTOLOGY

[Biometric analysis of the number of neurons in the nucl. n. oculomotorii and nucl. n. trochlearis in an ontogenetic study on Tupaia belangeri] Zilles E, et al. **Verh Anat Ges** 68:399–408, 1974 **(Ger)**

DRUG EFFECTS

Neurological manifestations of chronic marihuana intoxication. Part I: paresis of the fourth cranial nerve. Coleman JH, et al. **Dis Nerv Syst** 37(1):29, Jan 76

EMBRYOLOGY

An experimental study of cell death in the developing trochlear nucleus. Sohal GS. **Exp Neurol** 51(3):684–98, Jun 76

METABOLISM

Reduction of GABA synthesis following lesions of inhibitory vestibulotrochlear pathway. Roffler–Tarlov S, et al. **Brain Res** 91(2):326–30, 27 Jun 75

PHYSIOLOGY

The contractile properties of slow muscle fibres in sheep extraocular muscle. Browne JS. **J Physiol (Lond)** 254(2):535–50, Jan 76

SURGERY

Trochlear nerve sheath tumor; case report. King JS. **J Neurosurg** 44(2):245–7, Feb 76

ULTRASTRUCTURE

[Electron microscopy studies on the synaptic organization of the trochlear nucleus in the cat] Choi WB, et al. **Verh Anat Ges** 68:363–6, 1974 **(Ger)**

TROGLOTREMA see under **TREMATODA**

TROMBICULIASIS see under **MITE INFESTATIONS**

TROMBICULID MITES see under **MITES**

TROMETHAMINE

Dynamics of intramolecular metal–centered rearrangement reactions of tris–chelate complexes. Pignolet LH. **Top Curr Chem** (56):91–137, 1975 (85 ref.)

ADVERSE EFFECTS

Adverse effects of tris hydrochloride, a commonly used buffer in physiological media. Gillespie JS, et al. **J Physiol (Lond)** 259(2):561–73, Jul 76

ANALOGS & DERIVATIVES

On a new preparation for controlling gastric hyperacidity. Lanfranchi GA, et al. **Panminerva Med** 18(7–8):235–41, Jul–Aug 76

METABOLISM

[Age dependence and stimulation of renal excretion of trishydroxymethylaminomethane (Tham)] Bräunlich H. **Arch Int Pharmacodyn Ther** 216(1):144–59, Jul 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Attempted reversal of oxytetracycline resistance of Proteus mirabilis by EDTA–tromethamine lavage in experimentally induced canine and feline cystitis. Wooley RE, et al. **Am J Vet Res** 36(10):1533–5, Oct 75

Effects of tham, isoprenaline and propranolol on blood flow and vascular resistances of the liver after in– and outflow occlusion. Relation with the splanchnic shock. Stoitchcov E, et al. **Eur Surg Res** 8(3):211–26, 1976

Chemicals bathing the oxyntic gland area stimulate acid secretion in dog. Debas HT, et al. **Gastroenterology** 69(3):654–9, Sep 75

[Effects of Tham, isoprenaline and propranolol on the blood flow and vascular resistance of the liver after clamping of the afferent and efferent vessels. Relation to splanchnic shock] Stoitchcov E, et al. **J Chir (Paris)** 109(3):369–86, Mar 75 (Eng. Abstr.) **(Fre)**

[Influence of the substitution of potassium chloride by lithium chloride or TRIS on the isolated rat jejunum sensitivity to acetylocholine and 5–hydroxytryptamine and the isolated heart sensitivity to noradrenaline (author's transl)] Kleinrok Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:255–61, 1975 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Effects on ionized calcium of a correction of acidosis with alkalinizing agents. A rational basis for the administration of calcium in cardiac resuscitation. Schaer H.

Br J Anaesth 48(4):327–32, Apr 76
Effects of treatment with pyruvate and tromethamine in experimental myocardial ischemia. Liedtke AJ, et al. **Circ Res** 39(3):378–87, Sep 76
Reversal of oliguria and renal cortical ischemia of hemorrhagic shock in the dog with tris (hydroxymethyl) amino methane (THAM). Hemodynamic studies. Jacobs RP, et al. **Invest Radiol** 10(4):273–83, Jul–Aug 75
Suppression of the progress of necrosis after coronary artery ligation in the dog by pharmacologic interventions. Sládek T, et al. **J Cardiovasc Surg (Torino)** 17(4):321–8, Jul–Aug 76
The pathogeny and treatment of cerebral edema. Arseni C, et al. **Rev Roum Med [Neurol Psychiatr]** 13(3):179–85, 1975
[Our experience in resuscitation of the fetus in utero] Fargier P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(3):355–64, Apr–May 74 (Eng. Abstr.) **(Fre)**

TROMEXAN see **ETHYL BISCOUMACETATE**

TROPANES

ANALYSIS

High-speed ion-pair partition chromatography in pharmaceutical analysis. Santi W, et al. **J Chromatogr** 115(2):423–36, 24 Dec 75
[Identification and the quantitative determination of tropane group alkaloids and their synthetic substitutes in chemicotoxicological analysis] Mikhno VV, et al. **Farm Zh** 31(3):59–62, May–Jun 76 (Eng. Abstr.) **(Ukr)**

CHEMICAL SYNTHESIS

[3beta-substituted tropane-derivatives (author's transl)] Schneider W, et al. **Arch Pharm (Weinheim)** 308(5):365–75, May 75 **(Ger)**
[Nortropane-3beta-acetic acid, tropaquinuclidine and dehydrotropaquinuclidine (author's transl)] Schneider W, et al. **Arch Pharm (Weinheim)** 309(6):447–57, Jun 76 (Eng. Abstr.) **(Ger)**
[A new method for technical synthesis of tertiary and quaternary d,l-tropic acid esters of some N-subsituted nortropan- and granatan-3-oles (author's transl)] Schulz W, et al. **Arzneim Forsch** 26(5a):960–74, 1976 **(Ger)**

ISOLATION & PURIFICATION

Proceedings: A new tropane heterodiester from Erythroxylum monogynum Roxb. Agar JT, et al. **J Pharm Pharmacol** 27 Suppl?–2:85P, Dec 75
Isolation and identification of a new tropane alkaloid. Moorhoff CF. **Planta Med** 28(2):106–11, Oct 75

METABOLISM

Metabolism of quaternary ammonium compounds. II. Microautoradiographic studies on the effect of CCl4 on the intralobular distribution of tritiated BTTB in mice liver. Matsumoto Y, et al. **Chem Pharm Bull (Tokyo)** 22(12):2861–5, Dec 74
[Production of tropane alkaloids in tissue cultures (author's transl)] Corduan G. **Planta Med** Suppl:225–31, 1975 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Influence of thymoxamine on changes in pupil diameter and accommodation produced by homatropine and ephedrine. Small S, et al. **Br J Ophthalmol** 60(2):132–4, Feb 76
Changes in nail-fold microcirculation and amines in diseases manifesting acute microcirculatory disturbances. **Chin Med J [Engl]** 1(3):216–24, May 75
Pharmacologie effects of anisodamine. **Chin Med J [Engl]** 1(2):133–8, Mar 75
Role of the blood-brain barrier in the anticholinergic differential effects on LH and prolactin release in proestrous rats. Donoso AO, et al. **J Neural Transm** 37(2):155–64, 1975
Actions of trihexyphenidyl and benztropine on squid axon membranes. Wu CH, et al. **J Pharmacol Exp Ther** 197(1):135–41, Apr 76
Benztropine-induced release of dopamine from brain in vivo. Goodale DB, et al. **Neuropharmacology** 14(8):585–9, Aug 75
A comparative study of haloperidol and chlorpromazine in terms of clinical effects and therapeutic reversal with benztropine in schizophrenia. Theoretical implications for potency differences among neuroleptics. Singh MM, et al. **Psychopharmacologia** 43(2):103–13, 21 Aug 75
[Pupil's reaction to atropine, homatropine, neosynephrine and adrenaline in experimental hyperlipemia and human atherosclerosis] Pojda SM, et al. **Klin Oczna** 45(7):789–93, Jul 75 (Eng. Abstr.) **(Pol)**
[Effect of ethylbenzatropine on direct motor reaction M and on monosynaptic reflex H in drug-induced muscle rigidity] Zakrzewska F. **Neurol Neurochir Pol** 10(3):295–303, May–Jun 76 (Eng. Abstr.) **(Pol)**
[Effect of several tropane derivatives on noradrenaline absorption by hypothalamic synaptic vesicles] Zakusov VV, et al. **Biull Eksp Biol Med** 82(7):821–3, Jul 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Anisodamine in treatment of some diseases with manifestations of acute microcirculatory insufficiency. **Chin Med J [Engl]** 1(2):127–32, Mar 75
Effects of phenothiazines and social skills training in a withdrawn schizophrenic. Hersen M, et al. **J Clin Psychol** 31(4):588–94, Oct 75
Bronchodilatory and circulatory effects of inhaling increasing doses of an anti-cholinergic drug, ipratropium bromide (SCH 1000). Simonsson BG, et al. **Scand J Respir Dis** 56(3):138–49, Sep 75
[Allergen-induced bronchoconstriction in asthma: antagonistic effect of a synthetic anticholinergic drug (author's transl)] Orehek J, et al. **Bull Physiopathol Respir (Nancy)** 11(2):193–201, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Broncholytic effect of Atrovent in comparison with a combination preparation in obstructive lung diseases] Holzhey P. **Wien Med Wochenschr** 125(49):711–6, 5 Dec 75 **(Ger)**
[Prevention of cerebrovascular disorders with adrenergic substances] Mirzoian RS. **Biull Eksp Biol Med** 80(11):50–3, Nov 75 (Eng. Abstr.) **(Rus)**

TROPHOBLAST

Erythrophagocytosis by cells of the trophoblastic epithelium in the sheep placenta in different stages of gestation. Myagkaya G, et al. **Acta Anat (Basel)** 95(2):234–48, 1976
A new approach to prenatal diagnosis using trophoblast cells in maternal blood. Raafat M, et al. **Birth Defects** 11(5):295–302, 1975
The trophoblast theory of cancer (John Beard, 1857–1924) revisited. Gurchot C. **Oncology** 31(5–6):310–33, 1975
[Proceedings: What causes trophoblasts to grow invasively like cancer cells?] Dallenbach FD. **Verh Dtsch Ges Pathol** 59:573, 1975 **(Ger)**

ANALYSIS

Proceedings: FSH AND LH activites of PMSG fractions isolated from serum and from fetal trophoblast cells maintained in culture. McIntosh JE, et al. **J Reprod Fertil** 46(2):521–2, Mar 76
[Detection and histochemical identification of lipoid enclaves in rat trophoblast between 15th and 20th day of gestation (author's transl)] Rabineau D, et al. **Arch Anat Histol Embryol (Strasb)** 57(2):221–8, 1974 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Interactions of the trophoblast and maternal tissues in three closely related primate species. Ramsey EM, et al. **Am J Obstet Gynecol** 124(6):647–52, 15 Mar 76
In vitro study of chorionic and ectoplacental trophoblast differentiation in the mouse. Hernandez-Verdun D, et al. **J Embryol Exp Morphol** 34(3):633–44, Dec 75

DRUG EFFECTS

The influence of selected cytostatics on human trophoblast in vitro. Jankowski R, et al. **Ann Med Sect Pol Acad Sci** 20(4):223–41, 1975
Effects of cytochalasin B (CB) on the morula-to-blastocyst transformation and trophoblast outgrowth in the early mouse embryo. Granholm NH, et al. **Exp Cell Res** 101(1):143–53, Aug 76
Effect of azathioprine on the implanting trophoblast in rats. Fein A, et al. **Isr J Med Sci** 12(1):86–7, Jan 76
The role of ovarian steroids in placental development and endovascular trophoblast migration in the golden hamster. Pijnenborg R, et al. **J Reprod Fertil** 44(1):43–51, Jul 75

ENZYMOLOGY

Alkaline phosphatase in the bovine endometrium and trophoblast during the early phase of implantation. Leiser R, et al. **Anat Embryol (Berl)** 148(2):145–57, 23 Dec 75
Cytochemical establishment of acid phosphatase in the bovine endometrium and trophoblast during implantation. Leiser R, et al. **Anat Embryol (Berl)** 148(2):159–73, 23 Dec 75
Biochemistry of differentiation of mouse trophoblast: delta 5, 3 beta-hydroxysteroid dehydrogenase. Chew NJ, et al. **Biol Reprod** 12(3):351–9, Apr 75
[The villous trophoblast in placentae of premature births (author's transl)] Ruckhäberle KE, et al. **Z Geburtshilfe Perinatol** 180(1):75–83, Feb 76 (Eng. Abstr.) **(Ger)**
[Isoenzimogram patterns of lactic dehydrogenase (LDH) in extracts of human trophoblats (author's transl)] González-Gómez E, et al. **Reproduccion** 2(1):51–8, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Studies on autochthonous antigenic nature of human trophoblasts by mixed-leucocyte trophoblast-culture (MLTC) in vitro. Kanazawa K. **Acta Obstet Gynaecol Jpn** 21(1):44–8, Jan 74
Immunobiological function of the syncytiotrophoblast: a new theory. Morisada M, et al. **Am J Obstet Gynecol** (1):3–16, 1 May 76
Association of fibrinogen and microfibrils with trophoblast basement membrane. Bray BA, et al. **Connect Tissue Res** 3(1):55–71, 1975
Detection of alloantigens during preimplantation development and early trophoblast differentiation in the mouse by immunoperoxidase labeling. Searle RF, et al. **J Exp Med** 143(2):348–59, 1 Feb 76
Concanavalin A agglutinability of developing mouse trophoblast. Sobel JS, et al. **J Reprod Fertil** 47(2):399–402, Jul 76
Expression of maternal and paternal antigens on trophoblast. Carter J. **Nature** 262(5566):292–3. 22 Jul 76
Distribution of beta2 microglobulin and HLA in chorionic villi of human placentae. Faulk WP, et al. **Nature** 262(5571):799–802, 26 Aug 76
Studies of human pregnancy. I. Immunoglobulins attached to the trophoblast. Dimmette JE. **Obstet Gynecol** 47(6):730–2, Jun 76
Extraembryonic tissue inhibits the immunizing capacity of foreign red cells. Kelemen E, et al. **Transplantation** 20(1):82–4, Jul 75
[Immunorepulsion] Fauve RM. **C R Acad Sci [D] (Paris)** 282(12):1207–9, 22 Mar 76 (Eng. Abstr.) **(Fre)**
[IV. Immunology in gynecology and obstetrics. Pannel discussion] **Arch Gynaekol** 219(1–4):505–13, 18 Nov 75 **(Ger)**
[Immunological phenomena in the trophoblast] Stivala F, et al. **Boll Soc Ital Biol Sper** 52(4):265–71, 28 Feb 76 **(Ita)**
[Quantitative determination of antitriphoblastic IgG, IgA and IgM in habitual abortion (research with radial immunodiffusion)] pp. 157–65. Cavallaro Nigro S, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. **(Ita)**

METABOLISM

The nonuniform distribution of acidic components on the human placental syncytial trophoblast surface membrane: a cytochemical and analytical study. Nelson DM, et al. **Anat Rec** 184(2):159–81, Feb 76
The biosynthesis of progesterone by cultured mouse midgestation trophoblast cells. Salomon DS, et al. **Dev Biol** 47(2):394–406, Dec 75
Chorionic gonadotropin produced from the cultivated trophoblast. pp. 321–31. Tojo S, et al.
In: Moudgal NR, ed. Gonadotropins and gonadal function. New York, Academic Press, 1974. WK 900 I605g 1973.
Proceedings: In vitro activity of syncytiotrophoblast from human term placenta: hormonal determinations. Kaspi T, et al. **Isr J Med Sci** 12(1):82, Jan 76
[Steroidogenic function of the intra-arterial trophoblast in the rat. Ultrastructural, histoenzymologic and biochemical data] Legrand C. **J Gynecol Obstet Biol Reprod (Paris)** 4(8):1017–35, Nov–Dec 75 (Eng. Abstr.) **(Fre)**
[Histoautoradiography of the DNA in trophoblast giant cells of the mouse placenta. A contribution to the problem of metabolic DNA] Heine H. **Acta Anat (Basel)** 95(1):66–74, 1976 (Eng. Abstr.) **(Ger)**
[Cytophotometric determination of DNA concentration in the nuclei of the human placental trophoblast in late toxemias of pregnancy] Tomina ED, et al. **Arkh Anat Gistol Embriol** 70(6):77–84, Jun 76 (Eng. Abstr.) **(Rus)**
[Study of prealbumin fraction in the young trophoblast and mature placenta (author's transl)] Dlhoš E, et al. **Bratisl Lek Listy** 65(2):121–4, 1976 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

The differentiation and development of mouse trophoblast. pp. 133–44. Ansell JD.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974. (39 ref.)
Differentiation in the trophectoderm and inner cell mass. pp. 107–32. Gardner RL, et al.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974. (63 ref.)
The role of cell–cell interaction during early mouse embryogenesis. pp. 145–65. Sherman MI.
In: Balls M, Wild AE, ed. The early development of mammals. Cambridge, Cambridge Univ Press, 1975. QS 604 E12 1974.
The development and proliferation of the trophoblast from ectopic mouse embryo allografts of increasing gestational age. Hunt CV, et al. **J Reprod Fertil** 46(2):305–11, Mar 76

SECRETION

Early stimulation of human chorionic gonadotropin secretion by dibutyryl cyclic AMP and theophylline in human malignant trophoblast cells in vitro: inhibition by actinomycin D, alpha-amanitin, and cordycepin. Pattillo RA, et al. **Gynecol Invest** 6(6):365–77, 1975

ULTRASTRUCTURE

Morphological changes in the trophoblast, uterus and corpus luteum during delayed implantation and implantation in the western spotted skunk. Sinha AA, et al. **Am J Anat** 145(3):331–55, Mar 76
The fine structure of the trophospongial layer of the kangaroo rat placenta. Tibbitts FD, et al. **Anat Rec** 183(4):567–78, Dec 75
The preimplantation mammalian embryo: characterization of intercellular junctions and their appearance during development. Ducibella T, et al. **Dev Biol** 45(2):231–50, Aug 75
Ultrastructure of the trophoblast–epithelial junction at

blastocyst implantation in the mouse. Nilsson O. **Exp Cell Res** 94(2):434–6, Sep 75

A three-dimensional reconstruction of the polygonal pattern on placental coated-vesicle membranes. Ockleford CD. **J Cell Sci** 21(1):83–91, Jun 76

Letter: Electron microscopic study on the surface-coat of the human placental trophoblast. Okudaira Y, et al. **J Electron Microsc (Tokyo)** 24(4):279–81, 1975

Redundancy of washing in the preparation of biological specimens for transmission electron microscopy. Ockleford CD. **J Microsc (Oxf)** 105(2):193–203, Nov 75

Freeze-fracture morphology of gap junctions in the trophoblast of the mouse embryo. Argüello C, et al. **J Ultrastruct Res** 53(3):271–83, Dec 75

Letter: Syncytiotrophoblasts in malignant testicular tumours. Heyderman E, et al. **Lancet** 2(7976):103, 10 Jul 76

[Light and electron microscopic investigations on the chorionic plate of the human placenta at term (author's transl)] Wiese KH. **Arch Gynaekol** 218(3):243–59, 29 Jul 75 (Eng. Abstr.) **(Ger)**

[Ultrastructure of trophoblasts of the hydatid mole] Zoltán S. **Morphol Igazsagugyi Orv Sz** 16(1):3–8, Jan 76 (Eng. Abstr.) **(Hun)**

[Stereological study with the electron microscope of the syncytiotrophoblast of the human placenta. Preliminary research] Tedde G, et al. **Boll Soc Ital Biol Sper** 52(1–2):44–7, 30 Jan 76 **(Ita)**

[Nuclear structures in the ovarioles of the butterfly Laspeyresia pomonella. Sex chromatin in trophocytes] Gruzova MN. **Ontogenez** 5(6):623–33, 1974 (Eng. Abstr.) **(Rus)**

[Nuclear structures in the ovarioles of the butterfly Laspeyresia pomonella. Sex chromatin in trophocytes] Gruzova MN. **Ontogenez** 5(6):623–33, 1974 (Eng. Abstr.) **(Rus)**

[A study of the polyploid nuclei of the giant trophoblast cells of several species of rodents using phase contrast microscopy] Zybina EV, et al. **Tsitologiia** 18(2):161–5, Feb 76 (Eng. Abstr.) **(Rus)**

TROPHOBLASTIC TUMOR

Studies on trophoblastic neoplasia. pp. 203–16. Ishizuka N.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Choriocarcinoma and gestational trophoblastic disease. **West J Med** 124(3):219–25, Mar 76

[Trophoblastic disease—clinical problems. Symposion by invitation (author's transl)] Holzmann K. **Geburtshilfe Frauenheilkd** 35(9):661–87, Sep 75 **(Ger)**

BLOOD

Evaluation of serum progesterone during treatment of malignant trophoblastic disease. Dawood MY. **Am J Obstet Gynecol** 123(3):291–8, 1 Oct 75

Serum testosterone and dihydrotestosterone in patients with trophoblastic disease. Dawood MY, et al. **Obstet Gynecol** 47(6):684–8, Jun 76

[Immunoautoradiographic determination of beta-1 gamma globulin in the blood serum of patients with trophoblastic tumors] Tatarinov IuS, et al. **Biull Eksp Biol Med** 80(9):86–9, Sep 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Quantitative analysis of radioisotopic angiography in trophoblastic neoplasia. Tojo S, et al. **Acta Obstet Gynecol Scand** 54(4):325–8, 1975

[Histological diagnosis of trophoblastic neoplasms with curettage material: difficulties and prognostic value] Zampi G, et al. **Arch De Vecchi Anat Patol** 60(2):221–59, Dec 74 (90 ref.) **(Ita)**

[Serological test for beta 1-G-globulin in the immunodiagnosis of trophoblastic tumors of the uterus] Tatarinov IuS, et al. **Vestn Akad Med Nauk SSSR** (2):44–8, 1976 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The efficacy of melphalan in the combined chemotherapy of malignant trophoblastic disease. Wiqvist N, et al. **Acta Obstet Gynecol Scand** 55(3):275–8, 1976

Actinomycin D as the primary agent for gestational trophoblastic disease. Osathanondh R, et al. **Cancer** 36(3):863–6, Sep 75

Congenital anomalies among children born of mothers receiving chemotherapy for gestational trophoblastic neoplasms. Ross GT. **Cancer** 37(2 Suppl):1043–7, Feb 76

The treatment of metastatic trophoblastic disease. pp. 217–9. Dinh-Văn-Túng.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Methotrexate with citrovorum factor rescue for nonmetastatic gestational trophoblastic neoplasms. Goldstein DP, et al. **Obstet Gynecol** 48(3):321–3, Sep 76

Methotrexate with leucovorin rescue in the treatment of gynecologic malignancies. Preliminary report. Corder MP, et al. **Oncology** 32(5–6):275–82, 1975

[Effects of methotrexate on cervico-vaginal cytology] Ritter J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):507–25, Jun 75 (Eng. Abstr.) **(Fre)**

[Role of chemotherapy in the treatment of metastatic forms of trophoblastic disease] Semenovskiĭ AV, et al. **Akush Ginekol (Mosk)** (8):51–3, Aug 75 **(Rus)**

[Chemotherapy of trophoblastic disease] Nechaeva ID, et al. **Vopr Onkol** 22(5):85–92, 1976 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Leucocyte migration in response to P.P.D. in patients with trophoblastic tumours. Walden PA, et al. **Eur J Cancer** 12(4):277–82, Apr 76

The HL-A and ABO antigens in trophoblastic disease. Mittal KK, et al. **Tissue Antigens** 6(2):57–69, Aug 75

[Immunological aspects of trophoblastic tumors] Kietlińska Z. **Ginekol Pol** 47(4):437–45, Apr 76 (33 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

A study of post-treatment fluctuation of human chorionic gonadotropin in trophoblastic tumor. Miura S. **Acta Obstet Gynaecol Jpn** 21(1):1–8, Jan 74

Limitation of the specific serum radioimmunoassay for human chorionic gonadotropin in the management of trophoblastic neoplasms. Schreiber JR, et al. **Am J Obstet Gynecol** 125(5):705–7, 1 Jul 76

Changes in transfer RNA's in human malignant trophoblastic cells (BeWo line). Kuchino Y, et al. **Cancer Res** 36(8):2932–6, Aug 76

Evidence for altered synthesis of human chorionic gonadotropin in gestational trophoblastic tumors. Vaitukaitis JL, et al. **J Clin Endocrinol Metab** 42(6):1048–55, Jun 76

OCCURRENCE

Risk and prognostic factors in trophoblastic neoplasia. Bagshawe KD. **Cancer** 38(3):1373–85, Sep 76

PATHOLOGY

Trophoblastic pseudotumor of the uterus: an exaggerated form of 'syncytial endometritis' simulating a malignant tumor. Kurman RJ, et al. **Cancer** 38(3):1214–26, Sep 76

PHYSIOPATHOLOGY

Pituitary-thyroid function in trophoblastic disease. Miyai K, et al. **J Clin Endocrinol Metab** 42(2):254–9, Feb 76

PREVENTION & CONTROL

[Prevention of the malignant form of trophoblastic disease after a hydatidiform mole: systematic or selective chemotherapy] Delvoye P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):267–93, Mar 75 **(Fre)**

RADIOGRAPHY

[Pelvic arteriography during malignant tumours of trofoblast (author's transl)] Teisinger P, et al. **Cesk Radiol** 30(1):62–6, Jan 76 (Eng. Abstr.) **(Cze)**

[The angiographic diagnosis of trophoblastic tumours (author's transl)] Schwarz G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):264–8, Mar 76 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Work capacity after treatment of trophoblastic tumors] Lesakova TV. **Akush Ginekol (Mosk)** (8):53–6, Aug 75 (Eng. Abstr.) **(Rus)**

SECRETION

[Studies on variations in hCG levels following treatment of trophoblastic tumors, with special reference to criteria governing their typing and remission (author's transl)] Sugita S. **J Jpn Soc Cancer Ther** 11(1):16–22, 20 Mar 76 (Eng. Abstr.) **(Jpn)**

SURGERY

[Surgical management of pulmonary metastasis of trophoblastic tumor] Kunishima K, et al. **J Jpn Assoc Thorac Surg** 23(9):1055–63, Sep 75 (Eng. Abstr.) **(Jpn)**

[Mangement of trophoblastic disease] Elgueta H, et al. **Rev Chil Obstet Ginecol** 39(3):97–9, 1974 **(Spa)**

THERAPY

Reproductive performance of women successfully treated for gestational trophoblastic tumors. Walden PA, et al. **Am J Obstet Gynecol** 125(8):1108–14, 15 Aug 76

Current status of treatment of gestational trophoblastic disease. Lewis JL Jr. **Cancer** 38(1 SUPPL):620–6, Jul 76

[Malignant cyto-trophoblastic tumors following the abortion of a mole. Their treatment with methotrexate alone or in conjunction with surgery] Abbou S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(1):117–32, Jan-Feb 75 (Eng. Abstr.)

TROPICAL CLIMATE

Vascular arrangement in the skin of tropical cattle. Amakiri SF. **Acta Anat (Basel)** 94(4):585–95, 1976

Tropical pathology. Edington GM. **Bull Schweiz Akad Med Wiss** 30(4–6):194–201, Oct 74

Problems of rodent control in rural tropical areas. Barnes AM. **Bull WHO** 52(4–6):669–76, 1975

Factors affecting the efficacy of live poliovirus vaccine in warm climates. Efficacy of type 1 Sabin vaccine administered together with antihuman gamma-globulin horse serum to breast-fed and artificially fed infants in Uganda. Dömök I, et al. **Bull WHO** 51(4):333–47, 1974

Nitrification on a coral reef. Webb KL, et al. **Can J Microbiol** 21(9):1427–31, Sep 75

Dietary intake and energy requirement of Indian submariners in tropical waters. Malhotra MS, et al. **Ergonomics** 19(2):141–8, Mar 76

Adrenaline and tropical pulmonary eosinophilia. Sanyal RK, et al. **Int Arch Allergy Appl Immunol** 50(3):291–6, 1976

Diurnal variation of oral glucose tolerance in a tropical environment. Oviasu VO. **J Trop Med Hyg** 79(3):54–7, Mar 76

Letter: Rheumatic fever in warm climates. Garcia-Palmieri MR. **JAMA** 235(2):143, 12 Jan 76

Thyroid function in changing weather in a subtropical region. Rastogi GK, et al. **Metabolism** 25(8):903–8, Aug 76

A preliminary study of the physical stability of tablets prepared from powders stored under tropical conditions. York P. **Pharmazie** 31(6):383–6, Jun 76

The tropical splenomegaly syndrome. A current appraisal. Marsden PD, et al. **Rev Inst Med Trop Sao Paulo** 18(1):54–70, Jan-Feb 76 (102 ref.)

Bos taurus Y chromosome of Africander cattle and the development of improved breeds for the tropics. Halnan CR, et al. **Vet Rec** 98(5):88–90, 31 Jan 76

Proceedings: Sudden change from tropical to temperate climate and electrolyte metabolism. Lewis RA. **West Afr J Pharmacol Drug Res** 2(1):57P, Dec 74

[Effect of tropical climate on the androgenic activity of various strains of bulls] Cermák O. **Vet Med (Praha)** 21(2):69–73, Feb 76 (Eng. Abstr.) **(Cze)**

[Climatic and hygienic environmental effects on man and animal in the tropics] Geigy R. **Bull Schweiz Akad Med Wiss** 30(4–6):186–93, Oct 74 (Eng. Abstr.) **(Ger)**

[Recommendations for travel and residence in the tropics (author's transl)] Mohr W. **Munch Med Wochenschr** 118(35):1075–8, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[European infants and young children in the tropics] Röllinghoff W, et al. **Munch Med Wochenschr** 118(35):1083–4, 27 Aug 76 **(Ger)**

[Tourism and risk of infection (author's transl)] Weise HJ. **Munch Med Wochenschr** 118(35):1061–8, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Some problems of acclimtization for construction workers to subtropical climatic conditions] Babaev A. **Gig Sanit** (6):106–8, Jun 76 **(Rus)**

[Adaptation times of flight-technical personnel to work in subtropical climate conditions] Kozacha PG, et al. **Kosm Biol Aviakosm Med** 10(1):54–6, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Cerebral crises during acclimatization under conditions of tropical humidity] Barinov NP. **Sov Med** (1):142–5, Jan 76 **(Rus)**

[Characteristics of the course of acute dysentery in different climatic zones] Mironov GS, et al. **Voen Med Zh** (6):52–4, Jun 75 **(Rus)**

[History of the study of the effect of hot climate on soldiers during military campaigns in Russia] Solomko PA. **Zdravookhr Kirg** (2):52–6, Mar-Apr 75 **(Rus)**

[Physiological action of the marine subtropical climate on the skin] De Gyorko-Gyorkos, et al. **Actas Dermosifiliogr** 67(5–6):395–402, May-Jun 76 (Eng. Abstr.) **(Spa)**

[Cold allergy manifested in tropical climate] Novotny Z, et al. **An Otorrinolaringol Ibero Am** 2(1):28–34, 1975 (Eng. Abstr.) **(Spa)**

TROPICAL MEDICINE

A review of tropical skin diseases seen in Western Australia, 1966–1973. Charters AD. **Australas J Dermatol** 16(2):83–7, Aug 75

Evaluation of helminthological and protozoological examinations of seamen of the GDR merchant fleet sailing to tropical regions. Grimmer G, et al. **Bull Inst Marit Trop Med Gdynia** 27(1):87–91, 1976

Exotic diseases among seafarers and fishermen and the epidemiological aspects of the work on seagoing ships. Ulewicz K. **Bull Inst Marit Trop Med Gdynia** 26(2):195–200, 1975

The actual importance of exotic diseases among seamen. Vuksanović P. **Bull Inst Marit Trop Med Gdynia** 26(2):201–13, 1975

The dilemmas of child health care in tropical Africa. Guillozet N. **Clin Pediatr (Phila)** 15(6):530–8, Jun 76

Letter: Tropical skin disease conference. Pettit JH. **Int J Dermatol** 15(3):216–7, Apr 76

Surveillance of communicable diseases in tropical Africa. Lucas AO. **Int J Epidemiol** 5(1):39–43, Mar 76

Prescribing patterns and morbidity in a tropical practice. Holmes JD. **J R Coll Gen Pract** 24(147):695–700, Oct 74

Tropical diseases in Europe. Zuidema PJ. **J R Coll Physicians Lond** 10(1):67–71, Oct 75

Editorial: Immunodiagnosis of tropical infections. Draper CC. **J Trop Med Hyg** 79(2):23–4, Feb 76

Tungiasis in travelers from tropical Africa. Goldman L. **JAMA** 236(12):1386, 20 Sep 76

Editorial: Tropical splenomegaly syndrome. **Lancet** 1(7968):1058–9, 15 May 76

Diseases of travel, with particular reference to tropical diseases. Woodruff AW. **Postgrad Med J** 51(602):825–9,

Dec 75
Gynaecological problems in tropical countries. Stewart DB. **Practitioner** 216(1295):550–5, May 76
Respiratory-tract infections in the tropics. Warrell DA. **Practitioner** 215(1290):740–4, Dec 75
Letter: Pay beds in national health hospitals. Castle B. **Trans R Soc Trop Med Hyg** 69(2):285, 1975
Presidential address. Medicine in a developing tropical environment. Smith CE. **Trans R Soc Trop Med Hyg** 70(1):1–9, 1976
[Tropical diseases in Copenhagen. Admissions to Blegdam's hospital during 1965–1974] Olsen VV. **Ugeskr Laeger** 138(26):1559–64, 21 Jun 76 (Eng. Abstr.) **(Dan)**
[Increased chance for exotic diseases in the Netherlands] Huisman J. **Ned Tijdschr Geneeskd** 119(50):2005–7, 13 Dec 75 **(Dut)**
[Aspects of cutaneous plastic surgery in the tropics] Bourrel P, et al. **Ann Chir Plast** 20(3–4):375–83, 1975 (Eng. Abstr.) **(Fre)**
[Protection of the community instead of individual health care. A study of adequate medicine in a rural tropical environment] Lasserre R. **Bull Schweiz Akad Med Wiss** 30(4–6):210–8, Oct 74 (Eng. Abstr.) **(Fre)**
[General conditions of medical prophylaxis in the intertropical zone] pp. 67–71. Payet M.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974. **(Fre)**
[Serologic possibilities in the diagnosis of tropical diseases from the clinical viewpoint] Mohr W. **Med Klin** 71:1204–9, 9 Jul 76 **(Ger)**
[Practical significance of imported tropical diseases] Gail K, et al. **Med Welt** 27(17):796–800, 23 Apr 76 **(Ger)**
[Tropical surgery] Habicht H. **Munch Med Wochenschr** 117(31):1285–6, 1 Aug 75 **(Ger)**
[Incidence of viral hepatitis in travelers in the tropics. Experiences with gamma globulin prophylaxis (author's transl)] Schüz R, et al. **Munch Med Wochenschr** 118(35):1093–6, 27 Aug 76 (Eng. Abstr.) **(Ger)**
[The management of frequently occurring parasitic tropical diseases] Werner GT. **Ther Ggw** 114(8):1206–28, Aug 75 **(Ger)**
[Infection and tropical medicine in Finland] Bengtsson E. **Lakartidningen** 73(24):2248, 9 Jun 76 **(Swe)**

EDUCATION

Editorial: Canada and international health. Seah SK. **Can Med Assoc J** 115(5):377–8, 4 Sep 76

HISTORY

The humanist as physician. Reflections on the centenary of Albert Schweitzer's birth. Fortuine R. **Alaska Med** 17(6):93–104, Nov 75
Initiation and survival of biomedical research in a developing country: the Oswaldo Cruz Institute of Brazil 1900–20. Stepan N. **J Hist Med** 30(4):303–25, Oct 75
Ross's a priori pathometry – a perspective. Fine PE. **Proc R Soc Med** 68(9):547–51, Sep 75
In memoriam Dr. A. Bonebakker 1895–1975. Zuidema PJ. **Trop Geogr Med** 27(2):236, Jun 75
[Louis Daniel Beauperthuy, a pioneer in tropical medicine] Sanabria A. **Nouv Presse Med** 5(6):361–2, 7 Feb 76 **(Fre)**
[Robert Koch's significance for the change in tropical medicine at the end of the 19th century] Jusatz HJ. **Dtsch Med Wochenschr** 100(39):1933–6, 26 Sep 75 **(Ger)**
[Prof. Dr. med. Heinrich Lippelt—obituary] Mannweiler E. **Munch Med Wochenschr** 118(2):57, 9 Jan 76 **(Ger)**
[History of the study of the effect of tropical climate of soldiers during military expeditions in Russia] Solomko PA. **Zdravookhr Kirg** (2):52–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

TROPITAL see under **DIOXOLES**

TROPOCOLLAGEN

BIOSYNTHESIS

The processing of procollagen in cultures of human and mouse fibroblasts. Taubman MB, et al. **Arch Biochem Biophys** 173(2):490–4, Apr 76

METABOLISM

Observations on the different substrate behavior of tropocollagen molecules in solution and intermolecularly cross-linked tropocollagen within insoluble polymeric collagen fibrils. Steven FS. **Biochem J** 155(2):391–400, 1 May 76
Indoluble collagen II. The use of fluorescein labelled polymeric collagen fibrils in a very sensitive assay procedure for enzymes degrading insoluble collagen. Steven FS, et al. **Connect Tissue Res** 4(1):7–10, 1975

THERAPEUTIC USE

Replacement of the vitreous with hyaluronic acid, collagen and other polymers. pp. 601–23. Balazs EA, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

TROPOLONE see under **CYCLOHEPTANES**

TROPOMYOSIN

Structural analysis of tropomyosin tactoids. Hurwitz FI, et al. **Biochem Biophys Res Commun** 68(3):1027–33, 9 Feb 76
Characterization of the Ca2+-regulatory complex of chick embryonic muscles: polymorphism of tropomyosin in adult and embryonic fibers. Roy RK, et al. **Biochem Biophys Res Commun** 70(1):28–36, 3 May 76
On the tertiary structure of tropomysin tactoids. Walton AG, et al. **Biochem Biophys Res Commun** 66(4):1180–5, 27 Oct 75
The primary structure of troponin T and the interaction with tropomyosin. Jackson P, et al. **Biochem J** 151(1):85–97, Oct 75
The origin of the tyrosyl circular dichroism of tropomyosin. Bullard B, et al. **Biochim Biophys Acta** 434(1):90–9, 20 May 76
The structure and stability of trypsin-resistant segments from rabbit tropomyosin. Eckard EE, et al. **Biochim Biophys Acta** 434(2):406–18, 15 Jun 76
Studies on calcium ion-induced conformation changes in the actin-tropomyosin-troponin system by fluorimetry. III. Changes in the conformation of tropomyosin associated with functional stafes. Ohyashiki T, et al. **Biochim Biophys Acta** 420(1):27–36, 20 Jan 76
The isolation and characterization of the tropomyosin binding component (TN-T) of bovine cardiac troponin. Burtnick LD, et al. **Can J Biochem** 54(6):546–52, Jun 76
Ca-protein and protein-protein interactions in the regulation of the actin-myosin interaction by the troponin-tropomyosin system. pp. 105–18. Potter J, et al.
In: Biró EN, ed. Proteins of contractile systems. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.31.
Tropomyosin: correlation of amino acid sequence and structure. pp. 125–36. Stone D, et al.
In: Biró EN, ed. Proteins of contractile systems. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.31.
Similarities and differences of the alpha and beta components of tropomyosin. Ookubo N, et al. **J Biochem (Tokyo)** 78(4):739–47, October 75
Conformational changes induced in plasmodium actin polymer by Ca2+ in the presence of muscle native tropomysin. Tanaka H, et al. **J Mechanochem Cell Motil** 3(3):195–200, Mar 76
The effect of calcium ions on the structure of reconstituted muscle thin filaments. Gillis JM, et al. **J Mol Biol** 99(3):445–59, 15 Dec 75
Tropomyosin coiled-coil interactions: evidence for an unstaggered structure. McLachlan AD, et al. **J Mol Biol** 98(2):293–304, 25 Oct 75
The 14-fold periodicity in alpha-tropomyosin and the interaction with actin. McLachlan AD, et al. **J Mol Biol** 103(2):271–98, 15 May 76
Symmetry and molecular arrangement in paracrystals of reconstituted muscle thin filaments. O'Brien EJ, et al. **J Mol Biol** 99(3):461–75, 15 Dec 75
Structure of magnesium paracrystals of alpha-tropomyosin. Stewart M, et al. **J Mol Biol** 103(2):251–69, 15 May 76
Properties of monomeric paramyosin using a transient electric birefringence techniques. DeLaney D, et al. **Macromolecules** 9(3):455–63, May-Jun 76
Letter: Tropomyosin and actin. Longley W. **Nature** 257(5529):827, 30 Oct 75
Intramolecular crosslinking of tropomyosin via disulfide bond formation: evidence for chain register. Lehrer SS. **Proc Natl Acad Sci USA** 72(9):3377–81, Sep 75

ANALYSIS

Segments of paramyosin formed by cleavage at sites of cysteine residues. Cowgill RW. **Biochemistry** 14(19):4277–9, 23 Sep 75
The stoichiometry of the components of arthropod thin filaments. Lehman W, et al. **Biochim Biophys Acta** 434(1):215–22, 20 May 76
Paramyosin: chemical evidence for chain heterogeneity. Walker ID, et al. **FEBS Lett** 58(1):16–8, 15 Oct 75
Non-polymerizable tropomyosin and control of the superprecipitation of actomyosin. Tawada Y, et al. **J Biochem (Tokyo)** 78(1):65–72, Jul 75
Actin, alpha-actinin, and tropomyosin interaction in the structural organization of actin filaments in nonmuscle cells. Lazarides E. **J Cell Biol** 68(2):202–19, Feb 76
Sequence repeats in alpha-tropomyosin. McLachlan AD, et al. **J Mol Biol** 98(2):281–91, 25 Oct 75
Analysis of the primary sequence of alpha-tropomyosin from rabbit skeletal muscle. Parry DA. **J Mol Biol** 98(3):519–35, 5 Nov 75
The coiled-coil structure: identity of the two chains of Mercenaria paramyosin. Weisel JW, et al. **J Mol Biol** 98(4):665–73, 15 Nov 75
Purification and characterization of cardiac tropomyosins. Fenner C, et al. **Prep Biochem** 5(3):189–97, 1975
Major nonhistone proteins of rat liver chromatin: preliminary identification of myosin, actin, tubulin, and tropomyosin. Douvas AS, et al. **Proc Natl Acad Sci USA** 72(10):3902–6, Oct 75

BLOOD

Contractile regulation of human blood platelets. pp. 78–83. Cohen I.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

ISOLATION & PURIFICATION

Purification of insect myosin and alpha-actinin. Hammond KS, et al. **Biochem J** 151(1):189–92, Oct 75

METABOLISM

The polymorphic forms of tropomyosin and troponin I in developing rabbit skeletal muscle. Amphlett GW, et al. **FEBS Lett** 63(1):22–6, 15 Mar 76
Proceedings: Regulation of the myosin-actin interaction by the Ca2+ -troponin-tropomyosin system. Ebashi S. **J Biochem (Tokyo)** 79(4):48P–49P, Apr 76
Physarum tropomyosin-troponin complex. Isolation and properties. Kato T, et al. **J Biochem (Tokyo)** 78(3):583–8, Sep 75
Interaction of myosin and paramyosin. Epstein HF, et al. **J Supramol Struct** 3(4):354–60, 1975
Fourteen actin-binding sites on tropomyosin? Stewart M, et al. **Nature** 257(5524):331–3, 25 Sep 75
A comparative study of skeletal and cardiac tropomyosins: subunits, thiol group content and biological activities. Leger J, et al. **Pfluegers Arch** 362(3):271–7, 6 Apr 76
Amino-acid sequence of tropomyosin-binding component of rabbit skeletal muscle troponin. Pearlstone JR, et al. **Proc Natl Acad Sci USA** 73(6):1902–6, Jun 76
The protein switch of muscle contraction. Cohen C. **Sci Am** 233(5):36–45, Nov 75
Tropomyosin binding to F-actin induced by myosin heads. Eaton BL. **Science** 192(4246):1337–9, 25 Jun 76

PHARMACODYNAMICS

Calcium, tropomyosin, and actomyosin as controls of calcium binding by troponin. Honig CR, et al. **Recent Adv Stud Cardiac Struct Metab** 8:233–40, 1975

PHYSIOLOGY

Movement of tropomyosin during regulation of vertebrate skeletal muscle: a simple physical model. Parry DA. **Biochem Biophys Res Commun** 68(2):323–8, 26 Jan 76
Regulation of muscle contraction: bindings of troponin and its components to actin and tropomyosin. Hitchcock SE. **Eur J Biochem** 52(2):255–63, 17 Mar 75

TROPONIN see under **MUSCLE PROTEINS**

TROUT see under **SALMONIDAE**

TRUSTEES see **GOVERNING BOARD**

TRYPAN BLUE

The solution behavior of the bovine myelin basic protein in the presence of anionic ligands. Binding behavior with the red component of trypan blue and sodium dodecyl sulfate. Liebes LF, et al. **Biochim Biophys Acta** 427(2):392–409, 14 Apr 76
The embryogenesis of trypan-blue induced spina bifida aperta and short tail in the rat. Lendon RG. **Dev Med Child Neurol [Suppl]** (35):3–10, 1975
Radiographic changes resembling Hodgkin's disease in animals receiving trypan blue. Dumont AE, et al. **Invest Radiol** 11(3):236–9, May-Jun 76
The 'early malformative syndrome'. Sandor S, et al. **Morphol Embryol (Bucur)** 21(1):21–5, 1975
[The use of trypan blue instead of cotton blue in mycology] Borelli D, et al. **Rev Lat Am Microbiol** 17(3):185–6, Jul-Sep 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pathogenesis of trypan-blue-induced spina bifida. Rokos J, et al. **J Pathol** 118(1):25–34, Jan 76
Effects of trypan blue on the development of the garden lizard, Calotes versicolor. Mathur JK, et al. **Teratology** 14(1):99–109, Aug 76

DIAGNOSTIC USE

Investigation of trypan blue dye for determination of circulatory capacity of skeletal muscle. Dildey DD, et al. **J Anim Sci** 41(3):787–93, Sep 75
[Trypan blue in lymphography] Lupeanu R, et al. **Rev Chir [Chir]** 25(1):57–8, Jan-Feb 76 **(Rum)**

METABOLISM

Tissue localization of some teratogens at early and late gestation related to fetal effects. Dencker L. **Acta Pharmacol Toxicol [Suppl] (Kbh)** 39(1):1–131, 1976

PHARMACODYNAMICS

Disruption of normal forelimb regeneration in adult Notophthalmus viridescens by sublethal concentrations of trypan blue. Dearlove GE, et al. **J Exp Zool** 194(2):413–28, Nov 75
Physiological effects of hypoxia and trypan blue in 17-day chick embryos. Hoffman DJ. **Teratology** 12(1):57–60, Aug 75

TRYPANOCIDAL AGENTS

ANTAGONISTS & INHIBITORS

Proceedings: Antagonism of the trypanocide–berenil and the nematocide, morantel, by tubocurarine. Bamgbose SO. **West Afr J Pharmacol Drug Res** 2(1):56P, Dec 74

CHEMICAL SYNTHESIS

Systematic synthesis of antiparasitic compounds. pp. 181–90. Dann O.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North–Holland, 1975. WC 695 D489 1974.

Novel heterocyclic nitrofurfural hydrazones. In vivo antirypanosomal activity. Novinsion T, et al. **J Med Chem** 19(4):512–6, Apr 76

Antiprotozoal Thiazoles. 2–(5–Nitro–2–thienyl)thiazoles. Verge JP, et al. **J Med Chem** 18(8):794–7, Aug 75

PHARMACODYNAMICS

Drug–resistant Leptomonas: cross–resistance in trypanocide–resistant clones. Bacchi CJ, et al. **Antimicrob Agents Chemother** 8(6):688–92, Dec 75

Effect of hydroxystilbamidine on the kinetoplast of Trypanosoma gambiense in mice. Ono T, et al. **Biken J** 18(4):257–65, Dec 75

Trypanosoma cruzi: antimicrobial activity and strain differentiating properties of some five– and six–membered heterocyclic compounds on trypomastigotes. Freeman F, et al. **Exp Parasitol** 38(2):181–90, Oct 75

Biogenesis of mitochondria. 43. A comparative study of petite induction and inhibition of mitochondrial DNA replication in yeast by ethidium bromide and berenil. Nagley P, et al. **Mol Gen Genet** 141(4):291–304, 9 Dec 75

Trypanocidal effect of diamidine 98/202 in experimental Trypanosoma rhodesiense infection of the stumptailed macaque (Macaca arctoides). Raether W, et al. **Tropenmed Parasitol** 27(2):238–44, Jun 76

THERAPEUTIC USE

Chemotherapy of Trypanosoma cruzi infections. Brener Z. **Adv Pharmacol Chemother** 13:1–81, 1975 (110 ref.)

Screening large numbers of compounds in a model based on mortality of Trypanosoma rhodesiense infected mice. Rane L, et al. **Am J Trop Med Hyg** 25(3):395–400, May 76

Observations on a herd of beef cattle maintained in a tsetse area. II. Assessment of the development of immunity in association with trypanocidal drug treatment. Wilson AJ, et al. **Trop Anim Health Prod** 8(1):1–12, Feb 76

[Treatment and prevention of dourine in horses] Vecherkin SS, et al. **Veterinariia** (2):70–2, Feb 75 **(Rus)**

TRYPANOSOMA

The effects of tryptophol on immune responses and it implications toward trypanosome–induced immunosuppression. Ackerman SB, et al. **Experientia** 32(5):645–7, 15 May 76

An improved method of cryopreservation of Trypanosoma (Nannomonas) congolense Broden in liquid nitrogen. Diffley P, et al. **J Parasitol** 62(1):136–7, Feb 76

Comparative studies of Trypanosoma vespertilionis Battaglia and Trypanosoma dionisii Bettencourt & França. Soria CA, et al. **J Protozool** 22(4):509–13, Nov 75

Trypanosomes from mule deer, Odocoileus hemionus in Wyoming. Kingston N, et al. **J Wildl Dis** 11(4):519–21, Oct 75

Species of the subgenus Schizotrypanum other than Trypanosoma cruzi and their potential usefulness in the laboratory. Baker JR. **Trans R Soc Trop Med Hyg** 70(2):126–7, 1976

Trypanosoma lewisi, Trypanosoma rhodesiense: mitotic activity in normal and folic acid deficient rats. Aboko–Coie GF, et al. **Z Parasitenkd** 47(2):71–7, 12 Sep 75

ANALYSIS

The structure of kinetoplast DNA. 2. Characterization of a novel component of high complexity present in the kinetoplast DNA network of Crithidia luciliae. Kleisen CM, et al. **Eur J Biochem** 64(1):153–60, 15 Apr 76

The structure of kinetoplast DNA. 1. The mini–circles of Crithidia lucilae are heterogeneous in base sequence. Kleisen MC, et al. **Eur J Biochem** 64(1):141–51, 15 Apr 76

O2'–Methylinosine, a constituent of the ribosomal RNA of Crithidia fasciculata. Gray MW. **Nucleic Acids Res** 3(4):977–88, Apr 76

Cytochemical detection of a polysaccharide surface coat in trypanosomatids. De Souza W.
Trans R Soc Trop Med Hyg 69(3):361, 1975 (11 ref.)

CLASSIFICATION

[Systematic studies on Trypanosoma. The evolutionary stages of Trypanosoma] Ranque P, et al. **Bull Soc Pathol Exot** 67(4):377–87, Jul–Aug 74 **(Fre)**

[Serological studies on subgenus–differentiation and persistence of antibodies following infections with Trypanosomes (author's transl)] Mehlitz D.
Tropenmed Parasitol 26(3):265–75, Sep 75 (Eng. Abstr.) **(Ger)**

[New finding of Trypanosoma (Megatrypanum) freitasi, a parasite of opossums] da Rocha e Silva EO, et al.
Rev Saude Publica 10(1):121–4, Mar 76 (Eng. Abstr.) **(Por)**

CYTOLOGY

Cell volume and DNA content of Trypanosoma venezuelense. Ojeda P, et al. **J Parasitol** 62(1):128–9, Feb 76

DRUG EFFECTS

Screening large numbers of compounds in a model based on mortality of Trypanosoma rhodesiense infected mice. Rane L, et al. **Am J Trop Med Hyg** 25(3):395–400, May 76

Induction of immunity in rodents receiving living drug–treated trypanosomes. James DM. **Int J Parasitol** 6(2):179–82, Apr 76

Drug effects on the fine structure of Trypanosoma rhodesiense: puromycin and its aminonucleoside, Cordycepin and Nucleocidin. Williamson J, et al. **Trans R Soc Trop Med Hyg** 70(2):130–7, 1976

Trypanocidal effect of diamidine 98/202 in experimental Trypanosoma rhodesiense infection of the stumptailed macaque (Macaca arctoides). Raether W, et al. **Tropenmed Parasitol** 27(2):238–44, Jun 76

ENZYMOLOGY

The NAD–linked alpha–glycerophosphate dehydrogenase of trypanosomes. Reynolds CH. **Biochem Biophys Res Commun** 67(2):538–43, 17 Nov 75

The subcellular distribution and properties of Crithidia sp. hydrolases with particular reference to pyrophosphate and orthophosphate monoester phosphohydrolases. McLaughlin J, et al. **Can J Biochem** 54(4):365–81, Apr 76

Reactions involved in energy transfer in trypanosomes–I. Characterization of the mitochondrial adenine nucleotide translocator and the ATPase of Crithidia luciliae. Opperdoes FR, et al. **Comp Biochem Physiol [B]** 54(1):7–12, 1976

GROWTH & DEVELOPMENT

In vitro attachment of trypanosomes to plastic. Hommel M, et al. **Experientia** 32(4):464–6, 15 Apr 76

Transmission of Trypanosoma rotatorium from frogs to white mice. Hysek J, et al. **Nature** 260(5552):608–9, 15Apr 76

Proceedings: Limited survival of Trypanosoma (Schizotrypanum) dionisii in Rhodnius prolixus. Wilkins SR, et al. **Trans R Soc Trop Med Hyg** 69(4):433, 1975

[Multiplication of Trypanosoma equiperdum in a diffusion chamber implanted in the mouse] Pautrizel AN, et al. **C R Acad Sci [D] (Paris)** 280(15):1825–8, 21 Apr 75 **(Fre)**

[Biometry, morphology and virulence of Trypanosoma (Nannomonas) congolense through 640 passages in mice during 10 years] Toure SM.
Rev Elev Med Vet Pays Trop 29(1):17–22, 1976 (Eng. Abstr.) **(Fre)**

[Course of Trypanosoma musculi infections in Plasmodium berghi–infected mice (author's transl)] Büngener W.
Tropenmed Parasitol 26(3):285–90, Sep 75 (Eng. Abstr.) **(Ger)**

[Altered reproductive behaviour of Trypanosoma musculi after several years of passage in mice (author's transl)] Büngener W. **Tropenmed Parasitol** 26(3):291–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Course of Trypanosoma musculi infections in NMRI mice (author's transl)] Büngener W. **Tropenmed Parasitol** 26(3):281–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Peruvian strain of Trypanosoma rangeli. IV. Observations on its development and morphogenesis in the hemocele and salivary glands of Rhodnius ecuadoriensis] Cuba CA. **Rev Inst Med Trop Sao Paulo** 17(5):283–97, Sep–Oct 75 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Immunology of DNA. III. Crithidia luciliae, a simple substrate for the determination of anti–dsDNA with the immunofluorescence technique. Aarden LA, et al. **Ann NY Acad Sci** 254:505–15, 30 Jun 75

The efficacy of killed Trypanosoma evansi vaccines in mice. Ryu E. **Chin J Microbiol** 8(4):280–5, Dec 75

The immunological response of CBA mice to Trypanosoma musculi. I. Initial control of the infection and the effect of T–cell deprivation. Viens P, et al. **Clin Exp Immunol** 16(2):279–93, Feb 74

Ablastin: the phenomenon. D'Alesandro PA. **Exp Parasitol** 38(3):303–8, Dec 75

Immunosuppression and ablastin. Dusanic DG. **Exp Parasitol** 38(3):322–37, Dec 75 (98 ref.)

Ablastin in Trypanosoma lewisi and related phenomena in other species of trypanosomes. Ormerod WE. **Exp Parasitol** 38(3):338–41, Dec 75

Immune serum–mediated cytotoxicity against Trypanosoma rhodesiense. Diggs C, et al. **J Immunol** 116(4):1005–9, Apr 76

The cell surface of Trypanosoma musculi bloodstream forms. II. Lectin and immunologic studies. Dwyer DM, et al. **J Protozool** 23(2):262–71, May 76

Cytotoxicity of antibody–coated trypanosomes by normal human lymphoid cells. Mkwananzi JB, et al. **Nature** 259(5542):403–4, 5 Feb 76

Improvement of the production of Trypanosoma vivax antigens. Staak C. **Tropenmed Parasitol** 26(3):276–7, Sep 75

ISOLATION & PURIFICATION

The cytocentrifuge for the isolation of parasites from the blood. Goldsmid JM, et al. **Cent Afr J Med** 21(7):160–1, Jul 75

A new column design for the isolation of bloodstream trypanosomes using DEAE–cellulose. Jackson PR. **J Parasitol** 61(5):963–5, Oct 75

Proceedings: A trypanosomatid parasite of laboratory–bred Culicoides variipennis. Hommel M, et al. **Trans R Soc Trop Med Hyg** 69(4):431, 1975

Letter: Growth characteristics of Trypanosoma rangeli. Minter–Goedbloed E, et al. **Trans R Soc Trop Med Hyg** 70(1):89, 1976

[Parasitologic demonstration of Trypanosoma teileri–like trypanosomes in brown Swiss cattle in eastern Switzerland] Metzler A. **Schweiz Arch Tierheilkd** 117(2):113–7, Feb 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Properties of a purified NAD–linked alpha–glycerophosphate dehydrogenase from Leptomonas sp.; activation by polyamines. Lambros C, et al. **Biochem Biophys Res Commun** 68(3):658–67, 9 Feb 76

Extra components in kinetoplast DNA preparations from Crithidia fasciculata. Nichols JM, et al. **Biochem Biophys Res Commun** 71(3):796–802, 9 Aug 76

Nucleotide transport in African trypanosomes. Sanchez G, et al. **Comp Biochem Physiol [B]** 53(3):419–21, 1976

Pentamidine transport and sensitivity in brucei–group trypanosomes. Damper D, et al. **J Protozool** 23(2):349–56, May 76

Carbon dioxide fixation in trypanosomatids. Klein RA, et al. **Parasitology** 71(1):93–107, Aug 75

PATHOGENICITY

[Study of infectivity after incubation in the presence of human blood allowing the differentiation of Trypanosoma brucei from Trypanosoma rhodesiense] Lapierre J, et al. **Bull Soc Pathol Exot** 67(4):395–9, Jul–Aug 74 **(Fre)**

[A Peruvian strain of Trypanosoma rangeli. III. Observations on the experimental infection of Panstrongylus herreri Wygodzinsky, 1948] Cuba AC.
Rev Inst Med Trop Sao Paulo 17(4):211–7, Jul–Aug 75 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Pathogen transmission in relation to feeding and digestion by haematophagous Arthropods. Langley PA. **Acta Trop (Basel)** 32(2):116–24, 1975

The effect of host adrenalectomy on the physiology of Trypanosoma rhodesiense. Sanchez G, et al. **Comp Biochem Physiol [A]** 52(4):623–6, 1 Dec 75

Letter: Circadian rhythms in Trypanosoma congolense. Hawking F. **Trans R Soc Trop Med Hyg** 70(2):170, 1976

RADIATION EFFECTS

Comparative responses of radioattenuated Trypanosoma brucei and T. congolense in rats. Fregene AO, et al. **J Parasitol** 61(6):1070–3, Dec 75

Relative effectiveness of neutron and gamma radiation of trypanosomes for immunizing mice against African trypanosomiasis. Duxbury RE, et al. **Trans R Soc Trop Med Hyg** 69(5–6):484–5, 1975

ULTRASTRUCTURE

Observations on a trypanosomatid flagellate in a flea, Peromyscopsylla silvatica spectabilis. Molyneux DH, et al. **Ann Parasitol Hum Comp** 50(3):265–74, May–Jun 75

The cell surface of Trypanosoma musculi bloodstream forms. I. Fine structure and cytochemistry. Dwyer DM, et al. **J Protozool** 23(1):75–83, Feb 76

Demonstration of kinetoplast DNA in dyskinetoplastic strains of Trypanosoma equiperdum. Hajduk SL. **Science** 191(4229):858–9, 27 Feb 76

Ultrastructure of Trypanosoma duttoni. Watson LP, et al. **Z Parasitenkd** 46(2):133–40, 1975

[Comparative morphological studies on the kinetoplast of various species of trypanosomes, with special reference to trypanosoma cruzi (author's transl)] Mühlpfordt H.
Tropenmed Parasitol 26(2):239–46, Jun 75 (Eng. Abstr.) **(Ger)**

TRYPANOSOMA BRUCEI

Ocular lesions in experimental Trypanosoma brucei infection in cats. Mortelmans J, et al. **Acta Zool Pathol Antverp** (62):149–72, Sep 75

DRUG EFFECTS

The potential use of inhibitors of glycerol–3–phosphate oxidase for chemotherapy of African trypanosomiasis. Opperdoes FR, et al. **FEBS Lett** 62(2):169–72, 15 Feb 76

GROWTH & DEVELOPMENT

Development of Trypanosoma (Trypanozoon) brucei in Glossina morsitans inoculated into the tsetse haemocoel.

Otieno LH, et al. **Acta Trop (Basel)** 33(2):143–50, 1976

Penetration of mid-gut cells of Glossina morsitans morsitans by Trypanosoma brucei rhodesianse. Evans DA, et al. **Nature** 258(5532):231–3, 20 Nov 75

IMMUNOLOGY

Antigenic variation in syringe passaged populations of Trypanosoma (Trypanozoon) brucei. II. Comparative studies on two antigenic-type collections. Van Meirvenne N, et al. **Ann Soc Belg Med Trop** 55(1):25–30, 1975

Antigenic variation in syringe passaged populations of Trypanosoma (Trypanozoon) brucei. I. Rationalization of the experimental approach. Van Meirvenne N, et al. **Ann Soc Belg Med Trop** 55(1):1–23, 1975

Studies on the anaemia in experimental African trypanosomiasis. 1. A preliminary communication on the mechanism of the anaemia. Woo PT, et al. **Ann Soc Belg Med Trop** 55(1):37–45, 1975

A study of the antigenic relationships of isolates of Trypanosoma brucei from three areas in East Africa. Paris J, et al. **Ann Trop Med Parasitol** 70(1):45–51, Mar 76

Trypanosoma brucei: antigenic analysis of bloodstream, vector, and culture stages by the quantitative fluorescent antibody methods. Honigberg BM, et al. **Exp Parasitol** 39(3):496–522, Jun 76

Factors controlling IgM and IgG antibody responses to denatured trypanosome DNA. Kushimo JB. **Immunology** 30(5):635–9, May 76

Effects of Trypanosoma brucei gambiense infections in Microtus montanus on susceptibility to Ehrlich's tumors. Ackerman SB, et al. **Infect Immun** 13(2):388–91, Feb 76

Immunity to monomorphic Trypanosoma brucei: humoral response. Zahalsky AC, et al. **J Parasitol** 62(1):15–9, Feb 76

Identification, purification and properties of clone-specific glycoprotein antigens constituting the surface coat of Trypanosoma brucei. Cross GA. **Parasitology** 71(3):393–417, Dec 75

Evasion of the immune response by parasites. Terry RJ, et al. **Symp Soc Exp Biol** (29):453–65, 1975 (51 ref.)

Pedigrees of the Edinburgh Trypanosoma (Trypanozoon) antigenic types (ETat). Lumsden WH, et al. **Trans R Soc Trop Med Hyg** 69(2):205–8, 1975

[Antigenic structure of Trypanosoma brucei (protozoa, kinetoplastids). Immunoelectrophoretic analysis and comparative study] Le Ray D. **Ann Soc Belg Med Trop** 55(3):129–311, 1975 (381 ref.) (Eng. Abstr.) **(Fre)**

[Preparation of a standardized antigenic extract from several strains of African trypansomes] Cailliez M, et al. **Bull Soc Pathol Exot** 68(1):67–73, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Isolation of strain- and group-specific partial antigens from trypanosomes of the Brucei-group (author's transl)] Oelerich S, et al. **Z Immunitaetsforsch** 143(3):304–17, May 72 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Identification of T. brucei-subgroup strains isolated from game. Geigy R, et al. **Acta Trop (Basel)** 32(3):190–205, 1975

METABOLISM

Pentamidine transport in Trypanosoma brucei-kinetics and specificity. Damper D, et al. **Biochem Pharmacol** 25(3):271–6, 1 Feb 76

Oligomycin sensitivity of the mitochondrial ATPase as a marker for fly transmissability and the presence of functional kinetoplast DNA in African trypanosomes. Opperdoes FR, et al. **Comp Biochem Physiol [B]** 55(1):25–30, 1976

Nucleotide transport in African trypanosomes. Sanchez G, et al. **Comp Biochem Physiol [B]** 53(3):419–21, 1976

Lipid content of the slender and stumpy forms of Trypanosoma brucei rhodesiense: a comparative study. Venkatesan S, et al. **Comp Biochem Physiol [B]** 53(4):481–7, 1976

Active-site-directed inhibition of the plasma-membrane carrier transporting short-chain, neutral amino acids into Trypanosoma brucei. Owen MJ, et al. **Eur J Biochem** 62(3):619–24, 1 Mar 76

Utilization of amino acids by Trypanosoma brucei in culture: L-threonine as a precursor for acetate. Cross GA, et al. **Parasitology** 71(2):311–26, Oct 75

Trypanosomiasis: an approach to chemotherapy by the inhibition of carbohydrate catabolism. Clarkson AB Jr, et al. **Science** 194(4261):204–6, 8 Oct 76

PATHOGENICITY

[Study of infectivity after incubation in the presence of human blood allowing the differentiation of Trypanosoma brucei from Trypanosoma rhodesiense] Lapierre J, et al. **Bull Soc Pathol Exot** 67(4):395–9, Jul–Aug 74 **(Fre)**

ULTRASTRUCTURE

Filaments of Trypanosoma brucei: some notes on differences in origin and structure in two strains of Trypanosoma (Trypanozoon) brucei rhodesiense. Ellis DS, et al. **Acta Trop (Basel)** 33(2):151–68, 1976

Ultracytochemistry of the surface coat/pellicle complex in Trypanosoma brucei. Steiger RF. **Acta Trop (Basel)** 32(2):152–8, 1975

Quantitative ultrastructural investigations of the life cycle of Trypanosoma brucei: a morphometric analysis. Böhringer S, et al. **J Protozool** 22(4):463–7, Nov 75

Variation in intramembrane components of Trypanosoma brucei from intact and x-irradiated rats: a freeze-cleave study. Hogan JC Jr, et al. **J Protozool** 23(2):205–15, May 76

Surface properties of bloodstream Trypanosomes (Trypanosoma brucei). Seed TM, et al. **Tropenmed Parasitol** 27(2):202–12, Jun 76

TRYPANOSOMA CRUZI

A simple method of tracking mammals and locating triatomine vectors of Trypanosoma cruzi in Amazonian forest. Miles MA. **Am J Trop Med Hyg** 25(5):671–4, Sep 76

Enhanced mononuclear phagocytic activity during Trypanosoma cruzi infection in mice. Ortiz-Ortiz L, et al. **Int Arch Allergy Appl Immunol** 50(2):232–42, 1976

Preparation of carbon-14-labelled whole short ragweed pollen antigens. Santilli J Jr, et al. **Int Arch Allergy Appl Immunol** 50(2):225–31, 1976

Trypanosoma cruzi: mechanism of entry and intracellular fate in mammalian cells. Nogueira N, et al. **J Exp Med** 143(6):1402–20, 1 Jun 76

Species of the subgenus Schizotrypanum other than Trypanosoma cruzi and their potential usefulness in the laboratory. Baker JR. **Trans R Soc Trop Med Hyg** 70(2):126–7, 1976

[Refractoriness of hens towards Trypanosoma (Schizotrypanum) cruzi. III. Dissociation of phenomena of the refractory state and lysis of the epimastigotes by fowl serum] Nery-Guimarães F, et al. **Mem Inst Oswaldo Cruz** 72(1–2):131–6, 1974 (Eng. Abstr.) **(Por)**

[Silvan vectors and reservoirs of Trypanosoma cruzi. LIX. Geografic distribution of Triatominae in the Rio Grande hydrographic basin, Brazil (Hemiptera, Reduviidae)] Barreto MP, et al. **Rev Bras Biol** 35(1):21–30, 1975 (Eng. Abstr.) **(Por)**

[Wild reservoirs and vectors of Trypanosoma cruzi. LVII=Natural infection of Phyllostomus hastatus hastatus (Tallas, 1767) by T. cruzi] Barreto MP, et al. **Rev Bras Biol** 34(4):615–22, 1974 (Eng. Abstr.) **(Por)**

[Wild reservoirs and vectors of cruzi. LX. Attempts to cross Rhodnius prolixus Stal, 1859 and Rhodnius neglectus Lent, 1954 (Hemiptera, Reduviidae)] Carvalheiro J, et al. **Rev Inst Med Trop Sao Paulo** 18(1):17–23, Jan–Feb 76 (Eng. Abstr.) **(Por)**

ANALYSIS

A lipopeptidophosphoglycan from Trypanosoma cruzi (epimastigota). Isolation, purification and carbohydrate composition. De Lederkremer RM, et al. **Biochim Biophys Acta** 444(1):85–96, 24 Aug 76

Studies of ribosomal RNA of Trypanosoma cruzi. Tanowitz H, et al. **J Parasitol** 61(6):1065–9, Dec 75

Letter: Trypanosomiasis cruzi in mice with trichinosis. Campbell WC, et al. **Trans R Soc Trop Med Hyg** 70(2):163, 1976

[Study of kinetoplast DNA of Trypansoma cruzi using restriction endonucleases] Riou G, et al. **C R Acad Sci [D] (Paris)** 280(23):2701–4, 16 Jun 75 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Differentiation of newly isolated strains of Trypanosoma (Schizotrypanum) cruzi by agglutination and precipitation reactions. Ketteridge D. **Acta Trop (Basel)** 32(3):173–89, 1975

CYTOLOGY

Strain-dependent thermosensitivity influencing intracellular differentiation of Trypanosoma cruzi in cell culture. Brener Z, et al. **J Protozool** 23(1):147–50, Feb 76

DRUG EFFECTS

Germicidal activity of a polyenzymic system on pathogenic protozoa in vitro. Jacques PJ, et al. **Arch Int Physiol Biochim** 83(5):976–8, Dec 75

Trypanosoma cruzi: antimicrobial activity and strain differentiating properties of some five- and six-membered heterocyclic compounds on trypomastigotes. Freeman F, et al. **Exp Parasitol** 38(2):181–90, Oct 75

[Trypanocidal activity of some ellipticine derivatives against Trypanosoma cruzi cultured in vitro] Bénard J, et al. **C R Acad Sci [D] (Paris)** 280(9):1177–80, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Reaction of the Trypanosoma cruzi strain to the experimental therapeutical response to Bay 2502 (results of long term treatment)] Andrade SG, et al. **Rev Inst Med Trop Sao Paulo** 17(6):380–9, Nov–Dec 75 (Eng. Abstr.) **(Por)**

GROWTH & DEVELOPMENT

A simple monophasic medium for axenic culture of hemoflagellates. Berens RL, et al. **J Parasitol** 62(3):360–5, Jun 76

Inheritance of susceptibility of Trypanosoma cruzi infection in Rhodnius prolixus. Maudlin I. **Nature** 262(5565):214–5, 15 JUL 76

Trypanosoma cruzi: effects of Rhodnius prolixus extracts on in vitro development. Wood DE, et al. **Rev Inst Med Trop Sao Paulo** 18(2):93–6, Mar–Apr 76

A comparison of Rhodnius prolixus, Triatoma infestans and Panstrongylus megistus in the xenodiagnosis of a chronic Trypanosoma (schizotrypanum) cruzi infection in a rhesus monkey (Macaca mullatta). Miles MA, et al. **Trans R Soc Trop Med Hyg** 69(4):377–82, 1975

[Reservoirs and wild vectors of Trypanosoma cruzi. LXI. Behavioral aspects of various samples of T. cruzi in culture media] Ribeiro RD, et al. **Rev Bras Biol** 35(2):301–7, 1975 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Comparison of counterimmunoelectrophoresis (CIE) with other serologic tests in the detection of antibodies to Trypanosoma cruzi. Aguilar-Torres FG, et al. **Am J Trop Med Hyg** 25(5):667–70, Sep 76

The epidemiology and household distribution of seroreactivity to Trypanosoma cruzi in a rural community in northeast Brazil. Mott KE, et al. **Am J Trop Med Hyg** 25(4):552–62, Jul 76

Immunological studies in Rockland mice infected with T. cruzi. Development of antinuclear antibodies. Szarfman A, et al. **Biomedicine** 22(6):489–95, Nov 75

Mechanisms of natural resistance to trypanosomal infection. Role of complement in avian resistance to Trypanosoma cruzi infection. Kierszenbaum F, et al. **Immunology** 30(1):1–6, Jan 76

Immunization against experimental Chagas' disease by using culture forms of Trypanosoma cruzi killed with a solution of sodium perchlorate. Kierszenbaum F, et al. **Infect Immun** 12(3):461–5, Sep 75

Enhancement of resistance and suppression of immunization against experimental Trypanosoma cruzi infection by Corynebacterium parvum. Kierszenbaum F. **Infect Immun** 12(5):1227–9, Nov 75

Immunization of mice with irradiated Trypanosoma cruzi growth in cell culture: relation of numbers of parasites, immunizing injections, and route of immunization to resistance. Hanson WL, et al. **Int J Parasitol** 6(4):341–7, Aug 76

An immunocytotoxic assay for Trypanosoma cruzi. Kuhn RE, et al. **Int J Parasitol** 6(2):129–34, Apr 76

The use of 51Cr-labelled Trypanosoma cruzi in agglutination titrations. Kuhn RE, et al. **Int J Parasitol** 6(3):223–5, Jun 76

Comparison of the complement fixation test and counterelectrophoresis test for the detection of antibodies in Chagas disease. Knight RA, et al. **J Clin Microbiol** 3(1):67–9, Jan 76

Mechanisms of resistance against experimental Trypanosoma cruzi infection: the importance of antibodies and antibody-forming capacity in the Biozzi high and low responder mice. Kierszenbaum F, et al. **J Immunol** 116(5):1208–11, May 76

Protective effects of specific antibodies in Trypanosoma cruzi infections. Krettli AU, et al. **J Immunol** 116(3):755–60, Mar 76

Experimental Chagas' disease: studies on the stability of a protective antigen. Cappa SM, et al. **J Parasitol** 62(1):130–1, Feb 76

Cross-reactivity of lytic antibodies against blood forms of Trypanosoma cruzi. Kierszenbaum F. **J Parasitol** 62(1):134–5, Feb 76

Experimental Chagas' disease: protective activity in relation with subcellular fractions of the parasite. Segura EL, et al. **J Parasitol** 62(1):131–3, Feb 76

Resistance of Trypanosoma cruzi to killing by macrophages. Kress Y, et al. **Nature** 257(5525):394–6, 2 Oct 75

Letter: Trypanosoma cruzi—prenatal transfer of maternal antibody in man. Miles MA, et al. **Trans R Soc Trop Med Hyg** 69(2):286, 1975

Leishmaniasis in Brazil: X. Some observations of intradermal reactions to different trypanosomatid antigens of patients suffering from cutaneous and mucocutaneous leishmaniasis. Shaw JJ, et al. **Trans R Soc Trop Med Hyg** 69(3):323–35, 1975

[Antigens of the subcellular fractions of Trypanosoma cruzi. I. Localization of antigens and proteins in the subcellular fractions] Segura EL, et al. **Medicina (B Aires)** 35(5):451–9, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

A fluorescent character distinguishing strains of Trypanosoma (Schizotrypanum) cruzi isolated from animals. Ketteridge D. **Trans R Soc Trop Med Hyg** 69(5–6):486–7, 1975

[Silvane reservoirs and vectors of Trypanosoma cruzi. 58. Natural infection of the rat, Akodon lasiotis (Lung, 1841) by T. cruzi] Ribeiro RD, et al. **Rev Inst Med Trop Sao Paulo** 17(4):247–52, Jul–Aug 75 **(Por)**

METABOLISM

Trypanosoma cruzi: comparative fatty acid metabolism of the epimastigotes and trypomastigotes in vitro. Wood DE, et al. **Exp Parasitol** 38(2):202–7, Oct 75

Comparative kinetics of arginine and lysine transport by epimastigotes and trypomastigotes from two strains of Trypanosoma cruzi. Goldgerg SS, et al. **J Protozool** 23(1):179–86, Feb 76

Serum proteins promoting [3H]thymidine uptake by Trypanosoma (Schizotrypanum) cruzi (Chagas) in vitro.

O'Daly JA. **J Protozool** 22(4):550–5, Nov 75

Cytochrome P-450 and drug metabolism in Trypanosoma cruzi: effects of phenobarbital. Agosin M, et al. **Science** 194(4261):195–7, 8 Oct 76

[Metabolic differences in Trypanosoma cruzi depending of the culturing conditions] Docampo R, et al. **Rev Asoc Argent Microbiol** 6(1):7–14, Jan–Apr 74 (Eng. Abstr.) **(Spa)**

PATHOGENICITY

[Histopathological changes produced in mice by Mexican strains of Trypanosoma cruzi] Cárdenas Ramírez L, et al. **Rev Invest Salud Publica** 35(2):131–53, Apr–Jun 76 **(Spa)**

[Behaviour of a Mexican strain of Trypanosoma cruzi of particular virulence in the mouse] Schettino PM, et al. **Rev Invest Salud Publica** 35(1):37–45, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Cryopreservation of Trypanosoma cruzi bloodstream forms. Filardi LS. **J Protozool** 22(3):398–401, Aug 75

ULTRASTRUCTURE

Epimastigotes and trypomastigotes of Trypanosoma cruzi revealed by scanning electron microscopy. Kongtong P, et al. **Biken J** 18(3):163–9, Sep 75

Localization of peroxidase activity in Trypanosoma cruzi microbodies. Docampo R, et al. **Experientia** 32(8):972–5, 15 Aug 76

Ultrastructural observations of Trypanosoma cruzi in a liquid medium: the kinetoplast–mitochondrion in division forms. O'Daly JA, et al. **Int J Parasitol** 6(3):271–8, Jun 76

Topographical differences in the distribution of surface coat components and intramembrane particles. A cytochemical and freeze–fracture study in culture forms of Trypanosoma cruzi. Martínez–Palomo A, et al. **J Cell Biol** 69(2):507–13, May 76

[Comparative morphological studies on the kinetoplast of various species of trypanosomes, with special reference to trypanosoma cruzi (author's transl)] Mühlpfordt H. **Tropenmed Parasitol** 26(2):239–46, Jun 75 (Eng. Abstr.) **(Ger)**

[Ultrastructure of Trypanosoma cruzi with scanning and transmission electromicroscopy] de Boiso JF, et al. **Rev Asoc Argent Microbiol** 6(3):119–26, Sep–Dec 74 **(Spa)**

TRYPANOSOMA GAMBIENSE

Trypanosoma gambiense: immunity with thymic cell transfer in mice. Takayanagi T, et al. **Exp Parasitol** 39(2):234–43, Apr 76

DRUG EFFECTS

Effect of hydroxystilbamidine on the kinetoplast of Trypanosoma gambiense in mice. Ono T, et al. **Biken J** 18(4):257–65, Dec 75

ENZYMOLOGY

Nucleoside–dependent protein kinase from Trypanosoma gambiense. Walter RD. **Biochim Biophys Acta** 429(1):137–46, 11 Mar 76

IMMUNOLOGY

Effects of Trypanosoma brucei gambiense infections in Microtus montanus on susceptibility to Ehrlich's tumors. Ackerman SB, et al. **Infect Immun** 13(2):388–91, Feb 76

Low molecular weight IgM in the serum and cerebrospinal fluid of patients infected with Trypanosoma gambiense. Masseyeff R, et al. **Z Immunitaetsforsch** 143(3):291–303, May 72

[Comparative immunoelectrophoretic analysis of culture and bloodstream forms of 'trypanosoma' (Trypanozoon) brucei gambiense'. Demonstration of stage and antigenic type specific antigens (author's transl)] Afchain D, et al. **Ann Immunol (Paris)** 126(1):45–50, Jan 75 (Eng. Abstr.) **(Fre)**

[Preparation of a standardized antigenic extract from several strains of African trypansomes] Cailliez M, et al. **Bull Soc Pathol Exot** 68(1):67–73, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

['Trypanosoma brucei gambiense', antigenic study. III. Hemagglutination reaction with specific antigenic fractions] Fromentin H, et al. **Bull Soc Pathol Exot** 68(3):306–12, May–Jun 75 **(Fre)**

ISOLATION & PURIFICATION

[Value of indirect immunofluorescence in the diagnosis of 'Trypanosoma gambiense' trypanosomiasis. 46 cases (author's translation)] Nozais JP, et al. **Bull Soc Pathol Exot** 68(4):390–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

TRYPANOSOMA LEWISI

Nutritional and immunological factors in the control of infections with Trypanosoma lewisi. Greenblatt CL. **Exp Parasitol** 38(3):342–9, Dec 75

Trypanosoma lewisi, Trypanosoma rhodesiense: mitotic activity in normal and folic acid deficient rats. Aboko–Cole GF, et al. **Z Parasitenkd** 47(2):71–7, 12 Sep 75

ANALYSIS

Physicochemical properties of kinetoplast DNA from Crithidia acanthocephali. Crithidia luciliae, and Trypanosoma lewisi. Fouts DL, et al. **J Cell Biol** 67(2PT.1):378–99, Nov 75

DRUG EFFECTS

[Effect of citrate on the lipid makeup of Trypanosoma lewisi under active aeration conditions] Uriniuk VM, et al. **Izv Akad Nauk SSSR [Biol]** (4):559–64, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Adenosine 3',5'–monophosphate in reproducing and differentiated trypanosomes. Strickler JE, et al. **Science** 190(4219):1110–2, 12 Dec 75

IMMUNOLOGY

Whence comes Trypanosoma lewisi antigen which induces ablastic antibody: studies in the occult? Bawden MP. **Exp Parasitol** 38(3):350–6, Dec 75

Ablastin in Trypanosoma lewisi and related phenomena in other species of trypanosomes. Ormerod WE. **Exp Parasitol** 38(3):338–41, Dec 75

The ablastin phenomenon: inhibition of membrane function. Patton CL. **Exp Parasitol** 38(3):357–69, Dec 75

The relation of agglutinins to antigenic variation of Trypanosoma lewisi. D'Alesandro PA. **J Protozool** 23(2):256–61, May 76

ULTRASTRUCTURE

Ultracytochemistry of the surface coat/pellicle complex in Trypanosoma brucei. Steiger RF. **Acta Trop (Basel)** 32(2):152–8, 1975

Cell surface saccharides of Trypanosoma lewisi. I. Polycation–induced cell agglutination and fine–structure cytochemistry. Dwyer DM. **J Cell Sci** 19(3):621–44, Dec 75

Immunologic and fine structure evidence of avidly bound host serum proteins in the surface coat of a bloodstream trypanosome. Dwyer DM. **Proc Natl Acad Sci USA** 73(4):1222–6, Apr 76

TRYPANOSOMIASIS

The Proechimys rat; a potential laboratory host and model for the study of Trypanosoma evansi. Morales GA, et al. **Trop Anim Health Prod** 8(2):122–4, May 76

COMPLICATIONS

Studies on the anaemia in experimental African trypanosomiasis. 1. A preliminary communication on the mechanism of the anaemia. Woo PT, et al. **Ann Soc Belg Med Trop** 55(1):37–45, 1975

CONGENITAL

Letter: The treatment of congenital trypanosomiasis. Buyst H. **Trans R Soc Trop Med Hyg** 70(2):163–4, 1976

DIAGNOSIS

The diagnosis of sleeping sickness in a district hospital in Zambia. Buyst H. **Ann Soc Belg Med Trop** 55(5):551–7, 1975

Serological and parasitological diagnosis of sleeping sickness. Van Meirvenne N, et al. **Ann Soc Belg Med Trop** 55(5):545–9, 1975

Letter: Growth characteristics of Trypanosoma rangeli. Minter–Goedbloed E, et al. **Trans R Soc Trop Med Hyg** 70(1):89, 1976

A refinement of the immunofluorescent complement fixation test for trypanosoma infections. Perié NM, et al. **Tropenmed Parasitol** 26(4):399–404, Dec 75

[Indirect hemagglutination in capillary tube: a method for the diagnosis of trypanosomiasis which can be used in the field] Boné GJ, et al. **Ann Soc Belg Med Trop** 55(5):559–69, 1975 **(Fre)**

[Value of indirect immunofluorescence in the diagnosis of 'Trypanosoma gambiense' trypanosomiasis. 46 cases (author's translation)] Nozais JP, et al. **Bull Soc Pathol Exot** 68(4):390–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Screening large numbers of compounds in a model based on mortality of Trypanosoma rhodesiense infected mice. Rane L, et al. **Am J Trop Med Hyg** 25(3):395–400, May 76

The potential use of inhibitors of glycerol–3–phosphate oxidase for chemotherapy of African trypanosomiasis. Opperdoes FR, et al. **FEBS Lett** 62(2):169–72, 15 Feb 76

ENZYMOLOGY

Rat liver alcohol dehydrogenase isozymes: influence of infection with Trypanosoma. Akinyemi JA. **Z Parasitenkd** 46(2):125–31, 1975

ETIOLOGY

Effect of malnutrition on susceptibility of mice to Trypanosoma musculi: vitamin A–deficiency. Lee CM, et al. **Z Parasitenkd** 49(1):1–10, 31 Mar 76

IMMUNOLOGY

The immunological response of CBA mice to Trypanosoma musculi. I. Initial control of the infection and the effect of T–cell deprivation. Viens P, et al. **Clin Exp Immunol** 16(2):279–93, Feb 74

The immunological response of CBA mice to Trypanosoma musculi. I. Initial control of the infection and the effect of T–cell deprivation. Viens P, et al. **Clin Exp Immunol** 16(2):279–94, Feb 74

Ablastin: antigen tolerance and lack of ablastin control of Trypanosoma musculi during host's pregnancy. Krampitz HE. **Exp Parasitol** 38(3):317–21, Dec 75

Trypanosoma gambiense: immunity with thymic cell transfer in mice. Takayanagi T, et al. **Exp Parasitol** 39(2):234–43, Apr 76

Ablastin: control of Trypanosoma musculi infections in mice. Targett GA, et al. **Exp Parasitol** 38(3):309–16, Dec 75

Immunity in malaria and trypanosomiasis. pp. 373–5. Terry R.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.4.

Effects of Trypanosoma brucei gambiense infections in Microtus montanus on susceptibility to Ehrlich's tumors. Ackerman SB, et al. **Infect Immun** 13(2):388–91, Feb 76

Induction of immunity in rodents receiving living drug–treated trypanosomes. James DM. **Int J Parasitol** 6(2):179–82, Apr 76

Immunity to monomorphic Trypanosoma brucei: humoral response. Zahalsky AC, et al. **J Parasitol** 62(1):15–9, Feb 76

Enodotoxin–induced non–specific resistance to Trypanosoma equiperdum in neonatally thymectomized or splenectomized Wistar rats. Fachet J, et al. **Keio J Med** 24(4):347–53, Dec 75

Enhanced Trypanosoma musculi infections in mice with concomitant malaria. Cox FE. **Nature** 258(5531):148–9, 13 Nov 75

[Multiplication of Trypanosoma equiperdum in a diffusion chamber implanted in the mouse] Pautrizel AN, et al. **C R Acad Sci [D] (Paris)** 280(15):1825–8, 21 Apr 75 **(Fre)**

[Serologic survey in a population of Yucatan, Motul] Avilés RQ, et al. **Salud Publica Mex** 17(3):365–9, May–Jun 75 (Eng. Abstr.) **(Spa)**

OCCURRENCE

The prevalence of dourine in southern Africa. Barrowman PR, et al. **J S Afr Vet Assoc** 57(2):83–5, Jun 76

Sleeping sickness in children. Balint O, et al. **Med J Zambia** 9(6):158–63, Dec 75–Jan 76

Letter: Further studies on trypanosomiasis in Orang Asli (aborigines) in West Malaysia. Else JG, et al. **Trans R Soc Trop Med Hyg** 70(2):170–1, 1976

[II. Tryopanosomiasis, onchercercosis, tropical diseases that travel] Fourrier A, et al. **Lille Med** 21(5):457–9, May 76 **(Fre)**

PARASITOLOGY

Nutritional and immunological factors in the control of infections with Trypanosoma lewisi. Greenblatt CL. **Exp Parasitol** 38(3):342–9, Dec 75

The effect of bacterial adjuvants on Trypanosoma lewisi infections in rats. Tizard IR, et al. **Folia Parasitol (Praha)** 22(4):323–6, 1975

[Altered reproductive behaviour of Trypanosoma musculi after several years of passage in mice (author's transl)] Büngener W. **Tropenmed Parasitol** 26(3):291–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Course of Trypanosoma musculi infections in NMRI mice (author's transl)] Büngener W. **Tropenmed Parasitol** 26(3):281–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Course of Trypanosoma musculi infections in Plasmodium berghi–infected mice (author's transl)] Büngener W. **Tropenmed Parasitol** 26(3):285–90, Sep 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The histopathology of experimental disease produced in mice infected with Trypanosoma vivax. Isoun TT. **Acta Trop (Basel)** 32(3):267–72, 1975

Trypanosoma lewisi, Trypanosoma rhodesiense: mitotic activity in normal and folic acid deficient rats. Aboko–Cole GF, et al. **Z Parasitenkd** 47(2):71–7, 12 Sep 75

PREVENTION & CONTROL

The efficacy of killed Trypanosoma evansi vaccines in mice. Ryu E. **Chin J Microbiol** 8(4):280–5, Dec 75

TRANSMISSION

Transmission of Trypanosoma rotatorium from frogs to white mice. Hysek J, et al. **Nature** 260(5552):608–9, 15Apr 76

VETERINARY

Ocular lesions in experimental Trypanosoma brucei infection

in cats. Mortelmans J, et al. **Acta Zool Pathol Antverp** (62):149–72, Sep 75

Comparative studies on the laboratory diagnosis of experimental Trypanosoma congolense infection in sheep. Kobayashi A, et al. **Ann Trop Med Parasitol** 70(1):53–8, Mar 76

Occurrence of Trypanosoma percae in perches of the southern Caspian Sea. pp. 555–9. Mokhayer B, et al.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Observations on the role of simuliids and culicids in the transmission of avian and anuran trypanosomes. Desser SS, et al. **Int J Parasitol** 5(5):507–9, Oct 75

Blood hyperviscosity during Trypanosoma (Trypanozoon) brucei infections of rabbits. Facer CA. **J Comp Pathol** 86(3):393–408, Jul 76

A seroepidemiological survey of Trypanosoma and Toxoplasma in Rattus norvegicus in England. Arafa MS, et al. **J Egypt Public Health Assoc** 49(4–5):231–43, 1974

The prevalence of dourine in southern Africa. Barrowman PR, et al. **J S Afr Vet Assoc** 57(2):83–5, Jun 76

Further studies on trypanosomers in game animals in Wyoming. Morton JK, et al. **J Wildl Dis** 12(2):233–6, Apr 76

Trypanosomiasis of domesticated animals of South America. Clarkson MJ. **Trans R Soc Trop Med Hyg** 70(2):125–6, 1976

Letter: Effect of dexamethasone upon Trypanosoma congolense infection in calves. Hawking F, et al.
Trans R Soc Trop Med Hyg 69(2):289, 1975

Serum proteins, blood and plasma volumes in experimental Trypanosoma vivax infections of sheep and goats. Anosa VO, et al. **Trop Anim Health Prod** 8(1):14–9, Feb 76

The prevalence and diagnosis of Trypanosoma evansi infection in camels in southern Ethiopia. Pregram RG, et al. **Trop Anim Health Prod** 8(1):20–7, Feb 76

Immunosuppression in ovine trypanosomiasis. Mackenzie PK, et al. **Vet Rec** 97(23):452–3, 6 Dec 75

Pathology of chronic Trypanosoma brucei-infection in the rabbit. van den Ingh TS, et al.
Zentralbl Veterinaermed [B] 22(9):729–36, Nov 75

[Experience in the control of trypanosomiasis in camels] Kunichkin GI, et al. **Veterinariia** (2):72–3, Feb 75 **(Rus)**

[Treatment and prevention of dourine in horses] Vecherkin SS, et al. **Veterinariia** (2):70–2, Feb 75 **(Rus)**

TRYPANOSOMIASIS, AFRICAN

[African trypanosomiasis at the Claude-Bernard Hospital (diagnostic circumstances and therapeutic problems)] Coulaud JP, et al. **Ann Med Interne (Paris)** 126(8–9):671–6, Aug–Sep 75 **(Fre)**

[Clinical, parasitological, hematological, pathological and immunological studies in monkeys experimentally infected with Trypanosoma rhodesiense] Sadun EH.
Parassitologia 16(1):53–6, Jan–Apr 74 **(Ita)**

BLOOD

Coagulation studies in Gambian trypanosomiasis. Greenwood BM, et al. **Am J Trop Med Hyg** 25(3):390–4, May 76

COMPLICATIONS

Secondary lesions of the nervous system in some infectious and toxic--allergic conditions in Zambia. Kiselev VB.
Med J Zambia 9(5):125–7, Oct–Nov 75

Pathogenesis of the anemia in african trypanosomiasis: characterization and purification of a hemolytic factor. Huan CN, et al. **Schweiz Med Wochenschr** 105(47):1582–3, 22 Nov 75

Electrocardiographic changes in African trypanosomiasis caused by Trypanosoma brucei rhodesiense. Jones IG, et al. **Trans R Soc Trop Med Hyg** 69(4):388–95, 1975

DIAGNOSIS

Algorithms in the diagnosis and management of exotic diseases. XI. African trypanosomiases. Mahmoud AA, et al. **J Infect Dis** 133(4):487–91, Apr 76

A serological study on human Trypanosoma rhodesiense infections using a micro-scale enzyme linked immunosorbent assay. Voller A, et al.
Tropenmed Parasitol 26(2):247–51, Jun 75

DRUG THERAPY

The treatment of T. rhodesiense sleeping sickness, with special reference to its physio-pathological and epidemiological basis. Buyst H. **Ann Soc Belg Med Trop** 55(2):95–104, 1975

African and American trypanosomiasis and their treatment. pp. 105–11. de Raadt P.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.

Approaches to the chemotherapy of filariasis, African and South American trypanosomiasis. pp. 150–6. Friedheim EA.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North-Holland, 1975. WC 695 D489 1974.

Chemotherapy of African trypanosomiasis. Williamson J.
Trans R Soc Trop Med Hyg 70(2):117–9, 1976

Trypanocidal effect of diamidine 98/202 in experimental Trypanosoma rhodesiense infection of the stumptailed macaque (Macaca arctoides). Raether W, et al.
Tropenmed Parasitol 27(2):238–44, Jun 76

[Severe renal and pancreatic complications during treatment with pentamidine in African trypanosomiasis] Coulaud J, et al. **Ann Med Interne (Paris)** 126(8–9):665–9, Aug–Sep 75 **(Fre)**

ENZYMOLOGY

Elevated serum and hepatic tyrosine aminotransferase in voles chronically infected with Trypanosoma brucei gambiense. Stibbs HH, et al. **Exp Parasitol** 39(1):1–6, Feb 76

HISTORY

Highlights of tropical medicine in Southern Africa. Gear JH. **S Afr Med J** 49(49):2049–56, 15 Nov 75 (Eng. Abstr.)

IMMUNOLOGY

Complement activation in patients with Gambian sleeping sickness. Greenwood BM, et al. **Clin Exp Immunol** 24(1):133–8, Apr 76

Trypanosoma gambiense: enhancement of agglutinin and protection in subpopulations by immune spleen cells. Takayanagi T, et al. **Exp Parasitol** 38(2):233–9, Oct 75

The pathology of African trypanosomiases. pp. 181–91. Murray M.
In: Breat L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4. (43 ref.)

Immune complexes in parasitic diseases. pp. 57–67. Lambert PH, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.

Relative effectiveness of neutron and gamma radiation of trypanosomes for immunizing mice against African trypanosomiasis. Duxbury RE, et al.
Trans R Soc Trop Med Hyg 69(5–6):484–5, 1975

Immunological research and the problem of immunization against African trypanosomiasis. Gray AR.
Trans R Soc Trop Med Hyg 70(2):119–21, 1976

Observations on a herd of beef cattle maintained in a tsetse area. II. Assessment of the development of immunity in association with trypanocidal drug treatment. Wilson AJ, et al. **Trop Anim Health Prod** 8(1):1–12, Feb 76

Low molecular weight IgM in the serum and cerebrospinal fluid of patients infected with Trypanosoma gambiense. Masseyeff R, et al. **Z Immunitaetsforsch** 143(3):291–303, May 72

OCCURRENCE

A re-assessment of the epidemiology and clinico-pathological features of human trypanosomiasis in Rhodesia. Ashworth TG, et al. **Cent Afr J Med** 21(12 SUPPL):1–12, Dec 75

African sleeping sickness today. De Raadt P.
Trans R Soc Trop Med Hyg 70(2):114–6, 1976

[Problem of the animal reservoir in human trypanosomiasis in eastern Africa] Geigy R. **Bull Acad R Med Belg** 128(5):424–6, MAY 73 **(Fre)**

PATHOLOGY

Some staining characteristics of Mott's or morular cells of nagana. Kaliner G. **Beitr Pathol** 155(4):443–6, Aug 75

African human trypanosomal pancarditis involving the conduting system and all valves. Poltera AA, et al.
Pathol Microbiol (Basel) 43(2-O):117–9, 1975

PHYSIOPATHOLOGY

[Electroencephalographic periodicity in sleeping sickness: modulation by stages of sleep] Schwartz BA.
Rev Electroencephalogr Neurophysiol Clin 1(1):70–2, Jan–Mar 71 **(Fre)**

PREVENTION & CONTROL

Editorial: African trypanosomiasis. **Br Med J** 1(6021):1298, 29 May 76

Field studies using repellent-treated wide-mesh net jackets against Glossina morsitans in Ethiopia. Sholdt LL, et al.
East Afr Med J 52(5):277–83, May 75

Ecological effect of control of African trypanosomiasis. Ormerod WE. **Science** 191(4229):815–21, 27 Feb 76

THERAPY

[Historic and ethnopharmacognosic insight into the belief and traditional practices in the treatment of sleeping sickness in West Africa] Kerharo J.
Bull Soc Med Afr Noire Lang Fr 19(4):400–10, 1974 (Eng. Abstr.) **(Fre)**

TRANSMISSION

[Experimental cyclic transmission of certain pathogenic African trypanosomes] Maillot L.
Rev Elev Med Vet Pays Trop 28(2):143–52, 1975 (Eng. Abstr.) **(Fre)**

TRYPANOSOMIASIS, BOVINE

Clinical, serologic, and pathologic changes in calves with experimentally induced Trypanosoma brucei infection. Moulton JE, et al. **Am J Vet Res** 37(7):791–802, Jul 76

BLOOD

Plasma copper levels in bovine trypanosomiasis. Saror DI.
Vet Rec 98(10):196, 6 Mar 76

COMPLICATIONS

Studies on the anemia in experimental African trypanosomiasis. II. The pathogenesis of the anemia in calves infected with Trypanosoma congolense. Kobayashi A, et al. **Am J Trop Med Hyg** 25(3):401–6, May 76

DIAGNOSIS

Evaluation of the indirect fluorescent antibody test for detecting Trypanosoma vivax in South American cattle. Platt KB, et al. **Res Vet Sci** 21(1):53–8, Jul 76

Letter: CFT in Trypanosoma vivax infection. Staak C.
Vet Rec 99(3):57, 17 Jul 76

[Value of the indirect immunofluorescence method in the diagnosis of bovine trypanosomiasis and in its epizootiological study] Toure SM, et al.
Rev Elev Med Vet Pays Trop 28(4):463–72, 1975 (Eng. Abstr.) **(Fre)**

[Serological studies on subgenus-differentiation and persistence of antibodies following infections with Trypanosomes (author's transl)] Mehlitz D.
Tropenmed Parasitol 26(3):265–75, Sep 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Trypanosomiasis: an approach to chemotherapy by the inhibition of carbohydrate catabolism. Clarkson AB Jr, et al. **Science** 194(4261):204–6, 8 Oct 76

IMMUNOLOGY

The immune response of zebu cattle infection with Trypanosoma congolense and T. vivax. Luckins AG.
Ann Trop Med Parasitol 70(2):133–45, Jun 76

Proceedings: Macrophage-cytophilic antibodies in trypanosome infections in mice. Vasquez R, et al.
Trans R Soc Trop Med Hyg 69(4):436, 1975

MICROBIOLOGY

Studies on the relationship between persistent lymphocytosis, infection with C-type particles and presence of Trypanosoma theileri, associated with bovine enzootic leukosis. Mammerickx M, et al.
Zentralbl Veterinaermed [B] 22(5):411–9, Jul 75

PARASITOLOGY

[Parasitologic demonstration of Trypanosoma teileri-like trypanosomes in brown Swiss cattle in eastern Switzerland] Metzler A. **Schweiz Arch Tierheilkd** 117(2):113–7, Feb 75 (Eng. Abstr.) **(Ger)**

TRYPANOSOMIASIS, SOUTH AMERICAN

Chagas' disease in El Salvador. Cedillos RA.
Bull Pan Am Health Organ 9(2):135–41, 1975

[Recent research on Chagas' disease performed in the Republic of Argentina] Torres CM.
Mem Inst Oswaldo Cruz 72(1–2):125–8, 1974 **(Por)**

[Survival of decompensated chronic Chagas' myocardiopathy] Pugliese C, et al.
Rev Inst Med Trop Sao Paulo 18(3):191–201, May–Jun 76 (Eng. Abstr.) **(Por)**

[Ecological aspects of South American trypanosomiasis. VII. Permanence and mobility of Triatoma sordida in relation to artificial ecotopes] Forattini OP, et al.
Rev Saude Publica 9(4):467–76, Dec 75 (Eng. Abstr.) **(Por)**

[Chagas-Mazza disease. Preliminary basic social study] Kaplan SJ, et al. **Bol Med Hosp Infant Mex** 33(2):487–94, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[Letter: Follow-up of patients with Chagas' disease outside the endemic area] Manigot D, et al. **Medicina (B Aires)** 35(4):436–7, Jul–Aug 75 **(Spa)**

COMPLICATIONS

Heart block in Chagas' disease. Amorin DS, et al.
Arq Bras Cardiol 28(1):79–82, Feb 76

Ventricular aneurysm in Chagas' myocardiopathy: clinical, epidemiologic, angiographic features. Aldama-Luebbert A, et al. **Tex Med** 72(3):55–60, Mar 76

[Anti-arrhythmic action of carbamazepine. Clinical trial in Chagas' disease] Sanabria A, et al. **Nouv Presse Med** 5(7):431–2, 14 Feb 76 **(Fre)**

[Aneurysmectomy as the treatment for refractory tachydardias in patients with ventricular arrhythmias of chagasic etiology] Lamourier EN, et al.
Arq Bras Cardiol 28(5):549–55, Oct 75 (Eng. Abstr.) **(Por)**

[Cutaneous manifestations of Chagas' disease. IV. Histopathology] Oritiz Medina A, et al.
Med Cutan Iber Lat Am 2(5):391–7, 1974 (Eng. Abstr.) **(Spa)**

[Chagas' disease and infertility] Foxley R.
Rev Chil Obstet Ginecol 39(3):83–6, 1974 **(Spa)**

CONGENITAL

Congenital Chagas disease. Bittencourt AL.

Am J Dis Child 130(1):97–103, Jan 76

DIAGNOSIS

Chagasic megaesophagus: similarity to achalasia by manometrics, radiography, and response to pneumatic dilation. Raizman RE, et al. **Am J Dig Dis** 20(9):882–8, Sep 75

Comparison of the complement fixation test and counterelectrophoresis test for the detection of antibodies in Chagas disease. Knight RA, et al. **J Clin Microbiol** 3(1):67–9, Jan 76

Algorithms in the diagnosis and management of exotic diseases. IV. American trypanosomiasis. Mahmoud AA, et al. **J Infect Dis** 132(1):121–4, Jul 75

Further evaluation of the 'I.M.T.–Chagas flocculation test'. A comparison with complement fixation, hemagglutination and immunofluorescence tests. Camargo ME, et al. **Rev Inst Med Trop Sao Paulo** 17(4):230–5, Jul–Aug 75

A comparison of Rhodnius prolixus, Triatoma infestans and Panstrongylus megistus in the xenodiagnosis of a chronic Trypanosoma (schizotrypanum) cruzi infection in a rhesus monkey (Macaca mullatta). Miles MA, et al. **Trans R Soc Trop Med Hyg** 69(4):377–82, 1975

Survey on experiences with latex–Chagas–test in various countries. Enders B, et al. **Tropenmed Parasitol** 26(2):252–60, Jun 75

[Left anterior hemiblock and left apical lesion in chronic Chagas' heart disease] Almeida HO, et al. **Arq Bras Cardiol** 28(3):293–8, Jun 75 (Eng. Abstr.) **(Por)**

[Electrocardiographic signs of apical lesions in Chagas' heart disease] Bittencourt LA, et al. **Arq Bras Cardiol** 28(4):437–42, Aug 75 (Eng. Abstr.) **(Por)**

[The Q–B interval in the chronic form of Chagas' disease] Del Nero E Jr, et al. **Arq Bras Cardiol** 29(3):167–70, Jun 76 (E g. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy of Trypanosoma cruzi infections. Brener Z. **Adv Pharmacol Chemother** 13:1–81, 1975 (110 ref.)

African and American trypanosomiasis and their treatment. pp. 105–11. de Raadt P.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North–Holland, 1975. WC 695 D489 1974.

Approaches to the chemotherapy of filariasis, African and South American trypanosomiasis. pp. 150–6. Friedheim EA.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North–Holland, 1975. WC 695 D489 1974.

Chemotherapy of Chagas' disease. Gutteridge WE. **Trans R Soc Trop Med Hyg** 70(2):123–4, 1976

[Reaction of the Trypanosoma cruzi strain to the experimental therapeutical response to Bay 2502 (results of long term treatment)] Andrade SG, et al. **Rev Inst Med Trop Sao Paulo** 17(6):380–9, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Chemotherapeutic activity of a nitroimidazolacetamide compound in chronic chagasic infection (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 30(3–4):91–4, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Activity of lipoprotein lipase in vivo in the chronic form of Chagas' disease] Giannini SD, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):109–15, Mar–Apr 76 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Immunological studies in Rockland mice infected with T. cruzi. Development of antinuclear antibodies. Szarfman A, et al. **Biomedicine** 22(6):489–95, Nov 75

Immunologic and immunopathologic studies in congenital Chagas' disease. Szarfman A, et al. **Clin Immunol Immunopathol** 4(4):489–99, Nov 75

Immunization against experimental Chagas' disease by using culture forms of Trypanosoma cruzi killed with a solution of sodium perchlorate. Kierszenbaum F, et al. **Infect Immun** 12(3):461–5, Sep 75

Enhanced mononuclear phagocytic activity during Trypanosoma cruzi infection in mice. Ortiz–Ortiz L, et al. **Int Arch Allergy Appl Immunol** 50(2):232–42, 1976

Immunization of mice with irradiated Trypanosoma cruzi growth in cell culture: relation of numbers of parasites, immunizing injections, and route of immunization to resistance. Hanson WL, et al. **Int J Parasitol** 6(4):341–7, Aug 76

Mechanisms of resistance against experimental Trypanosoma cruzi infection: the importance of antibodies and antibody–forming capacity in the Biozzi high and low responder mice. Kierszenbaum F, et al. **J Immunol** 116(5):1208–11, May 76

Protective effects of specific antibodies in Trypanosoma cruzi infections. Krettli AU, et al. **J Immunol** 116(3):755–60, Mar 76

Nonspecific resistance against Trypanosoma cruzi enhanced by Corynebacterium parvum. Brener Z, et al. **J Parasitol** 62(4):645–6, Aug 76

Leukocyte migration inhibition test with heart antigens in American trypanosomiasis. de la Vega MT, et al. **J Parasitol** 62(1):129–30, Feb 76

Evaluation of an autoimmune type antibody in the sera of patients with Chagas' disease. Hübsch RM, et al. **J Parasitol** 62(4):523–7, Aug 76

Specific agglutinins and immunoglobulin levels in congenital Chagas infection. Szarfman A, et al. **Medicina (B Aires)** 35(3):245–50, May–Jun 75 (Eng. Abstr.)

Proceedings: Preliminary observations on countercurrent immuno–electrophoresis of Trypanosoma cruzi and Leishmania. Desowitz RS, et al. **Trans R Soc Trop Med Hyg** 69(4):430, 1975

Letter: Antibodies to neurons in chronic Chagas' disease. Dos Santos RB, et al. **Trans R Soc Trop Med Hyg** 70(2):167, 1976

[Antimyocardial antibodies in chronic Chagas' disease. Correlation between serological results and electrocardiography] Trezza E, et al. **Arq Bras Cardiol** 28(3):327–44, Jun 75 (Eng. Abstr.) **(Por)**

[Evaluation of a freeze–dried reagent for the diagnosis of American trypanosomiasis hemgglutination test. Study in 1, 123 serum of blood donors] Camargo ME, et al. **Rev Inst Med Trop Sao Paulo** 17(6):350–4, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Comparison between 2 serologic technics applied to the study of blood sucked by Triatominae] de Andrade JC, et al. **Rev Saude Publica** 9(4):539–45, Dec 75 (Eng. Abstr.) **(Por)**

[Resistance to experimental Chagas' disease] Kierszenbaum F. **Medicina (B Aires)** 35(4):371–2, Jul–Aug 75 **(Spa)**

METABOLISM

Depletion of heart norepinephrine in experimental acute myocarditis caused by Trypanosoma cruzi. Machado AB, et al. **Experientia** 31(10):1202–3, 15 Oct 75

[Lipid metabolism in Chagas' disease. Aspects of the radioactivity curves of the blood after ingestion of triolein labelled with I–131] Forti N, et al. **Arq Bras Cardiol** 29(3):211–5, Jun 76 (Eng. Abstr.) **(Por)**

MICROBIOLOGY

[Chagas' disease and trypanosomiasis rangeli in 3 ranchs of the Departmento Francisco Morazán, Honduras.] Ponce C, et al. **Rev Biol Trop** 22(2):289–301, Dec 74 (Eng. Abstr.) **(Spa)**

OCCURRENCE

The epidemiology and household distribution of seroreactivity to Trypanosoma cruzi in a rural community in northeast Brazil. Mott KE, et al. **Am J Trop Med Hyg** 25(4):552–62, Jul 76

[Contribution to the knowledge on endemic casses of Chagas' disease in the State of Espirto Santo] Barros G, et al. **Rev Inst Med Trop Sao Paulo** 17(6):319–29, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[Chronic Chagas : infection and epileptic syndromes] Medrado–Faria MA, et al. **Rev Inst Med Trop Sao Paulo** 18(3):173–81, May–Jun 76 (Eng. Abstr.) **(Por)**

[On the finding of Panstrongylus megistus in the Cambe province of the Parana State, Brazil] de Castro Gomes A, et al. **Rev Saude Publica** 10(1):117–9, Mar 76 (Eng. Abstr.) **(Por)**

[Chaga's disease in Yucatan, Mexico. Report of eleven cases (author's transl)] Quintal Avilés R, et al. **Rev Invest Clin** 27(4):255–8, Oct–Dec 75 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Silvane reservoirs and vectors of Trypanosoma cruzi. 58. Natural infection of the rat, Akodon lasiotis (Lung, 1841) by T. cruzi] Ribeiro RD, et al. **Rev Inst Med Trop Sao Paulo** 17(4):247–52, Jul–Aug 75 **(Por)**

PATHOLOGY

Pathology of Chagas' cardiomyopathy. Anselmi A. **Recent Adv Stud Cardiac Struct Metab** 2:273–4, 1973

[Myocardiopathies through electron microscopy] Jorge PA. **Arq Bras Cardiol** 28(1):63–72, Feb 76 (Eng. Abstr.) **(Por)**

[Lesions of neurons of the juxtaprostatic pelvic ganglioms in acute experimental trypanosomiasis of mice] Fiorani SA, et al. **Rev Assoc Med Bras** 22(2):41–4, Feb 76 (Eng. Abstr.) **(Por)**

[Arrhythmia and cardiac insufficiency in Chagas' disease] **Medicina (B Aires)** 36(1):42–50, Jan–Feb 76 **(Spa)**

[Histopathological changes produced in mice by Mexican strains of Trypanosoma cruzi] Cárdenas Ramírez L, et al. **Rev Invest Salud Publica** 35(2):131–53, Apr–Jun 76 **(Spa)**

PHYSIOPATHOLOGY

Abnormal heart rate responses during exercise in patients with Chagas' disease. Gallo L Jr, et al. **Cardiology** 60(3):147–62, 1975

Postural reflexes in chronic Chagas's heart disease. Heart rate and arterial pressure responses. Neto JA, et al. **Cardiology** 60(6):343–57, 1975

Pathophysiology of experimental Chagas' (South American trypanosomiasis) disease. pp. 105–13. Abelmann WH.
In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.

[Systolic parameters of the left ventricle in chronic myocardiopathy of Chagas disease] Del Nero E Jr, et al. **Arq Bras Cardiol** 29(2):93–9, Apr 76 (Eng. Abstr.) **(Por)**

[Functional study of the sick–sinus syndrome in patients with chronic Chagasic cardiopathy] Amuchastegui LM, et al. **Medicina (B Aires)** 36(2):121–6, 1976 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Educational approach in the control of Chagas' disease. Petana WB. **Bull Pan Am Health Organ** 9(4):300–5, 1975

Experimental Chagas' disease: studies on the stability of a protective antigen. Cappa SM, et al. **J Parasitol** 62(1):130–1, Feb 76

Experimental Chagas' disease: protective activity in relation with subcellular fractions of the parasite. Segura EL, et al. **J Parasitol** 62(1):131–3, Feb 76

Chagas' disease—a survey of the present position. Lumsden WH. **Trans R Soc Trop Med Hyg** 70(2):121–2, 1976

[Importance of synantropic animals in the control of endemic Chagas' disease] da Rocha e Silva EO, et al. **Rev Saude Publica** 9(3):371–81, Sep 75 (Eng. Abstr.) **(Por)**

SURGERY

Chagas' achalasia treated by a jejunal interposed segment. Dantas AN, et al. **Rev Bras Pesqui Med Biol** 8(5–6):427–31, Sep–Dec 75

THERAPY

The effect of BCG on the course of experimental Chagas' disease in mice. Kuhn RE, et al. **Int J Parasitol** 5(5):557–60, Oct 75

[Tissue reaction to pacemaker implant and its electrodes] Becker PF, et al. **Arq Bras Cardiol** 28(4):443–50, Aug 75 (Eng. Abstr.) **(Por)**

[Extra cardiac sound caused by implanted pacemaker] Siqueira PL, et al. **Arq Bras Cardiol** 28(4):465–73, Aug 75 (Eng. Abstr.) **(Por)**

TRANSMISSION

Epidemiology of Chagas' disease. Minter DM. **Trans R Soc Trop Med Hyg** 70(2):124, 1976

[Reservoirs and wild vectors of Trypanosoma cruzi. LXI. Behavioral aspects of various samples of T. cruzi in culture media] Ribeiro RD, et al. **Rev Bras Biol** 35(2):301–7, 1975 (Eng. Abstr.) **(Por)**

VETERINARY

Trypanosome infections in the marmoset (Saguinus geoffroyi) from the Panama Canal Zone. Sousa OE, et al. **Am J Trop Med Hyg** 25(3):407–9, May 76

Trypanosoma cruzi: new foci of enzootic Chagas' disease in California. Wood SF. **Exp Parasitol** 38(2):153–60, Oct 75

[New finding of Trypanosoma (Megatrypanum) freitasi, a parasite of opossums] da Rocha e Silva EO, et al. **Rev Saude Publica** 10(1):121–4, Mar 76 (Eng. Abstr.) **(Por)**

TRYPSIN

Binding of alkylamines to trypsin as measured by difference spectroscopy. Gyapay G, et al. **Acta Biochim Biophys Acad Sci Hung** 11(1):37–44, 1976

The vaccinia virus haemagglutinin: enzyme sensitivity and some physiocochemical properties. Gurvin I, et al. **Acta Pathol Microbiol Scand [B]** 84(4):165–9, Aug 76

The use of sodium dodecylsulphate–acrylamide–gel electrophoresis to analyse trypsin preparations. Price NC. **Anal Biochem** 73(2):447–57, Jun 76

Trypsin digestion of canine cardiac myosin. Low molecular weight fragment of myosin with high adenosine triphosphatase activity. Bhan AK, et al. **Arch Biochem Biophys** 174(1):27–35, May 76

Effect of limited proteolysis on activity and phosphorylation of rabbit muscle glycogen synthetase. Huang KP, et al. **Arch Biochem Biophys** 173(1):162–70, Mar 76

Specific cleavage of the native type III collagen molecule with trypsin. Similarity of the cleavage products to collagenase–produced fragments and primary structure at the cleavage site. Miller EJ, et al. **Arch Biochem Biophys** 173(2):631–7, Apr 76

Comparative study of the interactions of the trypsin and detergent form of the intestinal aminopeptidase with liposomes. Pattus F, et al. **Biochem Biophys Res Commun** 69(3):718–23, 5 Apr 76

Proteolytic activity in human skin fibroblasts harvested with trypsin and its effect on measurements of collagen hydroxylase activities. Quinn RS, et al. **Biochem Biophys Res Commun** 71(1):300–6, 12 Jul 76

The use of ninhydrin as a reagent for the reversible modification of arginine residues in proteins. Chaplin MF. **Biochem J** 155(2):457–9, 1 May 76

The effects of proteolytic digestion by trypsin on the structure and catalytic properties of reduced nicotinamide–adenine dinucleotide dehydrogenase from bovine heart mitochondria. Ragan CI. **Biochem J** 156(2):367–74, 15 May 76

The location of the calcium ion binding site in bovine alpha–trypsin and beta–trypsin using lanthanide ion probes. Abbott F, et al. **Biochemistry** 14(22):4935–43, 4 Nov 75

Mechanism of hydrolysis by serine proteases: direct determination of the pKa's of aspartyl-102 and aspartyl-194 in bovine trypsin using difference infrared spectroscopy. Koeppe RE 2d, et al. **Biochemistry** 15(16):3450–8, 10 Aug 76

pH dependence of tritium exchange with the C-2 protons of the histidines in bovine trypsin. Krieger M, et al. **Biochemistry** 15(16):3458–64, 10 Aug 76

Tryptic hydrolysis at asparagine residues in globin chains. Casey R, et al. **Biochim Biophys Acta** 434(1):184–8, 20 May 76

Microcalorimetry of thermal denaturation of pepsin and trypsin in the crystal state. Makarov AA, et al. **Biochim Biophys Acta** 434(1):286–9, 20 May 76

Specific fluorescent derivatives of macromolecules. A fluorescence study of some specifically modified derivatives of chymotrypsin, trypsin and subtilisin. Vaz WL, et al. **Biochim Biophys Acta** 439(1):206–18, 19 Jul 76

Comparative study of some conformational properties of alpha, beta and psi bovine trypsins. Foucault G, et al. **Biochimie** 56(10):1343–50, 1974

Enzyme immobilization on fibrin. Dillon JG, et al. **Biotechnol Bioeng** 18(1):133–9, Jan 76

Soluble-insoluble complex of trypsin immobilized on acrolein-acrylic acid copolymer. Van Leemputten E, et al. **Biotechnol Bioeng** 18(4):587–90, Apr 76

Structural studies on a starfsih trypsin. Camacho Z, et al. **Comp Biochem Physiol [B]** 54(1):27–32, 1976

Structural studies on a starfish trypsin. Camacho Z, et al. **Comp Biochem Physiol [B]** 54(1):27–32, 1976

The enthalpy of interaction of urea with some globular proteins. Andrade MI, et al. **Eur J Biochem** 66(1):127–31, 15 Jun 76

Small-angle x-ray and light-scattering study of native and trypsin-modified methionyl-tRNA synthetase from Escherichia coli. Gulik A, et al. **Eur J Biochem** 64(1):295–300, 15 Apr 76

Preparation and characterization of the active derivative bovine trypsin-kallikrein inhibitor (Kunitz) with the reactive site lysine-15 — alanine-16 hydrolyzed. Jering H, et al. **Eur J Biochem** 61(2):443–52, 15 Jan 76

Synthesis and hydrolysis by pepsin and trypsin of a cyclic hexapeptide containing lysine and phenylalanine. Terada S, et al. **Eur J Biochem** 52(2):273–82, 17 Mar 75

Trypsin bound to sephadex beads. A tool for neuronal cell dissociation. Ginns E, et al. **Exp Cell Res** 97:42–6, Jan 76

The single calcium-binding site of crystallin bovin beta-trypsin. Bode W, et al. **FEBS Lett** 56(1):139–43, 1 Aug 75

[Wilhelm Friedrich Kühne: an appreciation] Gutfreund H. **FEBS Lett** 62(SUPPL):E1–12, 4 Feb 76 **(Eng, Ger)**

The amino-terminal sequence of an invertebrate trypsin (crayfish Astacus leptodactylus): homology with other serine proteases. Zwilling R, et al. **FEBS Lett** 60(2):247–9, 15 Dec 75

The role of trypsin in the pre-treatment of chromosomes for Giemsa banding. Korf BR, et al. **Hum Genet** 31(1):27–33, 28 Jan 76

The human complement after trypsin pretreatment as compared to the Paris standard. Ray M, et al. **Humangenetik** 29(1):29–34, 29 Aug 75

Variation in trypsin banding at different stages of contraction in human chromosomes and the definition, by measurement, of the 'average' karyotype. Seabright M, et al. **Humangenetik** 29(1):35–40, 29 Aug 75

High temperature trypsinolysis of human IgA: isolation of the Fcalpha fragment. Calvanico N, et al. **Immunochemistry** 13(3):203–8, Mar 76

Tryptic cleavage of IgD at elevated temperature and isolation of a Fc-like fragment in high yield. Wolcott M, et al. **Immunochemistry** 12(8):685–9, Aug 75

Heterogeneity among preparations of crude trypsin used to disaggregate the human tonsil. Willson JK, et al. **Immunology** 30(1):157–60, Jan 76

Inactivation of trypsin and chymotrypsin with a photosensitive probe. Tometsko AM, et al. **Int J Pept Protein Res** 8(3):331–6, 1976

Limited hydrolysis of the polypeptide chain elongation factor Tu by trypsin. Isolation and characterization of the polypeptide fragments. Arai K, et al. **J Biochem (Tokyo)** 79(1):69–83, Jan 76

Affinity chromatography of trypsin and related enzymes. I. Preparation and characteristics of an affinity adsorbent containing tryptic peptides from protamine as ligands. Kasai K, et al. **J Biochem (Tokyo)** 78(4):653–62, October 75

Association of human alpha1-antitrypsin with anhydrotrypsin. Moroi M, et al. **J Biochem (Tokyo)** 78(5):925–8, Nov 75

Double-headed protease inhibitors from black-eyed peas. VI. Singlet-singlet energy transfer and other optical studies on the structure of trypsin and chymotrypsin complexes. Gennis LS, et al. **J Biol Chem** 251(3):769–75, 10 Feb 76

Double-headed protease inhibitors from black-eyed peas. IV. Half-site reactivity in the formation of complexes with trypsin and chymotrypsin. Gennis LS, et al. **J Biol Chem** 251(3):754–62, 10 Feb 76

Preparation and characterization of a dextran-trypsin conjugate. Marshall JJ, et al. **J Biol Chem** 251(4):1081–7, 25 Feb 76

Modification of Escherichia coli DNA ligase by cleavage with trypsin. Panasenko SM, et al. **J Biol Chem** 251(11):3432–5, 10 Jun 76

Refolding of reduced, denatured trypsinogen and trypsin immobilized on Agarose beads. Sinha NK, et al. **J Biol Chem** 250(22):8624–9, 25 Nov 75

Preferred binding of bovine and porcine trypsins at two different sites on chicken ovoinhibitor. Reduced dissociation of mixed trypsin complexes. Zahnley JC. **J Biol Chem** 250(19):7879–84, 10 Oct 75

The refined crystal structure of bovine beta-trypsin at 1.8 A resolution. II. Crystallographic refinement, calcium binding site, benzamidine binding site and active site at pH 7.0. Bode W, et al. **J Mol Biol** 98(4):693–717, 15 Nov 75

Effects of pH on the exposure of aromatic donor residues in solution topography studies of bovine trypsin by charge transfer. Deranleau DA, et al. **J Mol Biol** 94(4):567–82, 5 Jun 75

The refined crystal structure of bovine beta-trypsin at 1.8 A resolution. I. Crystallization, data collection and application of patterson search technique. Fehlhammer H, et al. **J Mol Biol** 98(4):683–92, 15 Nov 75

Stability and specificity of protein-protein interactions: the case of the trypsin-trypsin inhibitor complexes. Janin J, et al. **J Mol Biol** 100(2):197–211, 15 Jan 76

The charge-relay system of serine proteinases: proton magnetic resonance titration studies of the four histidines of porcine trypsin. Markley JL, et al. **J Mol Biol** 102(3):487–509, 15 Apr 76

Letter: Isolation of a lethal toxic fragment from staphylococcal alpha toxin by means of trypsin digestion. Watanabe M, et al. **Jpn J Exp Med** 46(2):145–7, Apr 76

Experimental studies on the etiology of pulmonary cancer. Kurita S. **Med J Osaka Univ** 25(3–4):153–65, Mar 75

Plaque assay and primary isolation of influenza A viruses in an established line of canine kidney cells (MDCK) in the presence of trypsin. Tobita K, et al. **Med Microbiol Immunol (Berl)** 162(1):9–14, 30 Dec 75

Species differences in the trypsin separation of epidermis and dermis. Rudolph R, et al. **Plast Reconstr Surg** 58(4):459–65, Oct 76

Mechanisms involved in the chemical inhibition of the eosin-sensitized photooxidation of trypsin. Rizzuto F, et al. **Radiat Environ Biophys** 12(3):217–32, 2 Oct 75

The effects of biguanides on thrombokinase, thrombin and trypsin. Roberts PS, et al. **Thromb Diath Haemorrh** 34(1):246–55, 30 Sep 75

[Tryptic hydrolysis extended to the level of aspartyl bonds] Bertrand R, et al. **Biochimie** 58(4):385–9, 1976 (Eng. Abstr.) **(Fre)**

[Complexes between trypsin and rabbit desialylated alpha macroglobulins] Lebreton de Vonne T, et al. **Biochimie** 58(4):485–7, 1976 **(Fre)**

[Microcolorimetric study of the association of trypsin with a pancreatic inhibitor] Golikov AG, et al. **Biokhimiia** 40(5):1112–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Trypsin interaction with sodium alginate] Braudo EE, et al. **Prikl Biokhim Mikrobiol** 11(2):300–3, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Study of ultrafiltration of trypsin solutions] Margolina NA, et al. **Prikl Biokhim Mikrobiol** 11(3):451–4, May-Jun 75 (Eng. Abstr.) **(Rus)**

[The effect of surface-active drug on properties of trypsin monolayers] Shirokova TY, et al. **Ukr Biokhim Zh** 47(4):428–33, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[In vitro susceptibility of the proteins of wheat-protein and bran-protein bread to attack by gastric and pancreatic proteolytic enzymes] Evenshtein ZM. **Vopr Pitan** (2):58–61, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Immobilization of trypsin on polyurethane matrix] Lipatova TE, et al. **Ukr Biokhim Zh** 47(4):532–5, Jul-Aug 75 (Eng. Abstr.) **(Ukr)**

ADMINISTRATION & DOSAGE

[Effect of trypsin and of the injection, technic on the immunogenic action of toxins from Clostridium perfringens types D and E] Katsaras K. **Berl Munch Tieraerztl Wochenschr** 88(7):127–30, 1 Apr 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Rapid analysis of discrete samples: the use of nonsegmented, continuous flow. Stewart KK, et al. **Anal Biochem** 70(1):167–73, Jan 76

A competitive labeling method for the determination of the chemical properties of solitary functional groups in proteins. Duggleby RG, et al. **Biochemistry** 14(23):5168–75, 18 Nov 75

Decreased trypsin and bile acids in ileal fistula drainage during the administration of a chemically defined liquid elemental diet. Hill GL, et al. **Br J Surg** 63(2):133–6, Feb 76

Flash photolysis of enzymes. Grossweiner LI, et al. **Int J Radiat Biol** 29(1):1–16, Jan 76

Proceedings: Trypsin-like enzymes and trypsin inhibitors. Levinsky H, et al. **Isr J Med Sci** 11(11):1170, Nov 75

New method for estimation of various deaminases by direct colorimetric determination of ammonia. Fujii S, et al. **Tokushima J Exp Med** 22:1–4, Sep 75

[Accumulation of basic amino acid residues, rate of autolysis and relative length of gut during trypsin evolution (author's transl)] Müller K, et al. **Hoppe Seylers Z Physiol Chem** 356(7):1173–5, Jul 75 (Eng. Abstr.) **(Ger)**

[Diagnostic value of chymotrypsin and trypsin activity determination in the feces in the diagnosis of pancreatic disease] Zurakowski J, et al. **Pol Tyg Lek** 31(22):953–5, 31 May 76 **(Pol)**

[Determination of trypsin activity] Shaternikov VA, et al. **Farmatsiia** 25(2):36–8, 1976 (Eng. Abstr.) **(Rus)**

[Method of quantitative determination of trypsin and the activity of antitrypsin with the aid of specific antitryptic precipitating serum] Protsenko VA, et al. **Lab Delo** (6):336–8, 1975 **(Rus)**

[Trypsin concentration by ultrafiltration] Margolina NA, et al. **Prikl Biokhim Mikrobiol** 11(4):601–3, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Reliability of the method to assess trypsin activity in feces by means of gelatin liquefaction] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 33(4):969–74, Jul-Aug 76 (Eng. Abstr.) **(Spa)**

BLOOD

A high incidence of positive provocation of plasma pancreatic enzymes in the poorly controlled diabetic subjects. Harano Y, et al. **Acta Diabetol Lat** 12(3–4):177–84, May-Aug 75

Serum trypsin binding activity in patients with pancreatic diseases. Wakabayashi A, et al. **Bull Osaka Med Sch** 21(2):146–51, Oct 75

The disappearance of enzyme-inhibitor complexes from the circulation of man. Ohlsson K, et al. **Clin Sci Mol Med** 51(1):87–92, Jul 76

[Studies on the determination of human serum trypsin protein esterase activity (author's transl)] Miyatani U, et al. **Jpn J Clin Pathol** 23(6):423–6, Jun 75 **(Jpn)**

[Enzyme activity in acute experimental pancreatitis] Kriuchok AG, et al. **Klin Khir** (12):49–50, Dec 75 **(Rus)**

DIAGNOSTIC USE

[Differential diagnostic importance of intracutaneous trypsin injections in endogenous eczema] Harnack K, et al. **Dermatol Monatsschr** 161(8):622–7, Aug 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Identification of proteases of staphylococci by means of an antitrypsin precipitating serum] Krivoshein IuS, et al. **Biull Eksp Biol Med** 80(9):59–61, Sep 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rapid purification of human trypsin and chymotrypsin I. Johnson DA, et al. **Anal Biochem** 72:573–6, 7 May 76

Separation of trypsin and peroxidase by ultrafiltration using crosslinked soybean trypsin inhibitor Bartling GJ, et al. **Biotechnol Bioeng** 18(7):1023–7, Jul 76

Isolation of a starfish trypsin by affinity chromatography. Gilliam EB, et al. **Comp Biochem Physiol [B]** 54(1):21–6, 1976

Affinity chromatography of trypsin and related enzymes. II. An affinity adsorbent containing glycylglycyl-L-arginine. Kumazaki T, et al. **J Biochem (Tokyo)** 79(4):749–55, Apr 76

Affinity chromatography of trypsin and related enzymes. III. Purification of Streptomyces griseus trypsin using an affinity adsorbent containing a tryptic digest of protamine as a ligand. Yokosawa H, et al. **J Biochem (Tokyo)** 79(4):757–63, Apr 76

[Purification of an anionic trypsin from the gastric juice of the crayfish Cambarus affinis say by means of affinity chromatography] Spangenberg P, et al. **Acta Biol Med Ger** 34(5):733–9, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

An inexpensive device for sample stirring in VSU Zeiss spectrophotometers. Its use for kinetic measurements and active site titrations with immobilized enzymes. Lasch J, et al. **Acta Biol Med Ger** 34(7):1137–44, 1975

Sensitive, solid-phase assay of proteolytic activity. Sevier ED. **Anal Biochem** 74(2):592–6, Aug 76

Mechanism of action of thrombin on fibrinogen. On the role of the A chain of bovine thrombin in specificity and in differentiating between thrombin and trypsin. Hageman TC, et al. **Arch Biochem Biophys** 171(1):327–36, Nov 75

Estrogen-dependent trypsin-like activity in the rat uterus. Localization of activity in the 12,000g pellet and nucleus. Katz J, et al. **Arch Biochem Biophys** 173(1):347–54, Mar 76

Effect of serum alpha2-macroglobulin on the trypsin-soybean trypsin inhibitor complex. Ganea D, et al. **Arch Roum Pathol Exp Microbiol** 33(3–4):325–33, Jul-Dec 74

Effect of transition-state analogue complexes on trypsin susceptibility of creatine kinase. Milner-White EJ, et al. **Biochem Soc Trans** 3(4):554–6, 1975

Purification of alpha 2-macroglobulin with trypsin-like activity from pleural fluids. Bieth J, et al. **Biochim Biophys Acta** 439(2):363–7, 9 Aug 76

The effect of calcium on the tryptic digestion of bovine intestinal calcium-binding protein. Fullmer CS, et al. **Biochim Biophys Acta** 412(2):256–61, 15 Dec 75

Enzymatic mechanochemistry: a new approach to studying the mechanism of enzyme action. Klibanov AM, et al. **Biochim Biophys Acta** 438(1):1–12, 7 Jun 76

Determination of heat changes in the proximity of immobilised enzymes with an enzyme thermistor and its

use for the assay of metabolites. Mosbach K, et al. **Biochim Biophys Acta** 403(1):256–65, 22 Sep 75

Interaction between proteins and detergents which contain a hydrocarbon chain longer than 16 carbon atoms. III. Competitive inhibition of trypsin by cetyldimethylbenzylammonium chloride. Nakaya K, et al. **Biochim Biophys Acta** 439(1):116–24, 19 Jul 76

Characterization of agarose-bound trypsin. Walter B. **Biochim Biophys Acta** 429(3):950–3, 13 May 76

Temperature dependence of a diffusion-limited immobilized enzyme reaction. Buchholz K, et al. **Biotechnol Bioeng** 18(1):95–104, Jan 76

Studies on immobilized trypsin in high concentrations of organic solvents. Weetall HH, et al. **Biotechnol Bioeng** 18(1):105–18, Jan 76

Carboxypeptidase B-like and trypsin-like activities in isolated rat pancreatic islets. Zühlke H, et al. **Ciba Found Symp** 41:183–95, 1976 (33 ref.)

Studies on the stability of pancreatic enzymes in duodenal fluid to storage temperature and pH. Legg EF, et al. **Clin Chim Acta** 65(2):175–9, 1 Dec 75

Biochemical characterization of an avian spermatozoan acrosin and comparison of its properties to those of bovine trypsin and mammalian acrosins. Ho JJ, et al. **Comp Biochem Physiol [B]** 54(2):213–8, 1976

[Tryptic and chymotryptic activity in the faeces of children of different age groups (author's transl)] Sälzer K, et al. **Eur J Pediatr** 121(4):279–85, 8 Mar 76 (Eng. Abstr.)

Exocrine pancreatic enzymes in cycloheximide treated rats. Korbová L, et al. **Experientia** 32(7):893–5, 1976

Enterokinase and trypsin activities in pancreatic insufficiency and diseases of the small intestine. Lebenthal E, et al. **Gastroenterology** 70(4):508–12, Apr 76

The inhibition of human and bovine trypsins and chymotrypsins by the inter-alpha-inhibitor from human plasma. pp. 157–68. Bieth J, et al.
In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975.

The inactivation of human and bovine trypsins and chymotrypsins by alpha 1-antitrypsin and their reactivation by alpha 2-macroglobulin. pp. 169–79. Bieth J, et al.
In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975.

Dynamic role of buffers in heterogeneous enzyme systems. pp. 187–97. Engasser JM, et al.
In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North-Holland, 1976. QU 135 I5893a 1975.

Immobilized enzymes on poly(vinyl alcohol) carriers. pp. 105–10. Manecke G, et al.
In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North-Holland, 1976. QU 135 I5893a 1975.

Proceedings: Synthesis of alpha-N-tosyl-p-guanidino-L-phenylalanine methyl ester and its interaction with trypsin, thrombin and chymotrypsin. Klausner YS, et al. **Isr J Med Sci** 11(11):1169, Nov 75

Comparison of the catalytic properties of thrombin and trypsin by kinetic analysis on the basis of active enzyme concentration. Takasaki SI, et al. **J Biochem (Tokyo)** 78(6):1275–85, Dec 75

Disulfide bond-modified trypsinogen. Role of disulfide 179–203 on the specificity characteristics of bovine trypsin toward synthetic substrates. Knights RJ, et al. **J Biol Chem** 251(1):222–8, 10 Jan 76

A pressor formation by trypsin from renin-denatured human plasma protein. Arakawa K, et al. **J Clin Endocrinol Metab** 42(3):599–602, Mar 76

Evidence for the role of a trypsin-like enzyme in the hamster sperm acrosome reaction. Meizel S, et al. **J Exp Zool** 195(1):137–44, Jan 76

Cells isolated from trypsin-treated brain contain trypsin. Guarnieri M, et al. **J Neurochem** 26(1):41–4, JAN 76

Enzymic activities in the pancreas, digestive tract and feces of rats fed raw or heated soy flour. Nitsan Z, et al. **J Nutr** 106(2):300–5, Feb 76

Myelin protein changes with digestion of whole sciatic nerve in trypsin. Peterson RG. **Life Sci** 18(8):845–9, 15 Apr 76

Formation of stable crystalline enzyme-substrate intermediates at sub-zero temperatures Fink AL, et al. **Nature** 263(5575):294–7, 23 Sep 76

The interrelationship of enterokinase and trypsin activities in intractable diarrhea of infancy, celiac disease, and intravenous alimentation. Lebenthal E, et al. **Pediatrics** 56(4):585–91, Oct 75

Enzyme substrate and inhibitor interactions. Blow DM, et al. **Philos Trans R Soc Lond [Biol]** 272(915):87–97, 6 Nov 75

Trypsin and chymotrypsin activity of the intestinal content in germfree, monoassociated and conventional rabbits. Mališ F, et al. **Physiol Bohemoslov** 25(1):71–4, 1976

Resonance Raman spectroscopic studies of the interactions between trypsin and a competitive inhibitor. Dupaix A, et al. **Proc Natl Acad Sci USA** 72(11):4223–7, Nov 75

Molecular orbital studies of enzyme activity: catalytic mechanism of serine proteinases. Scheiner S, et al. **Proc Natl Acad Sci USA** 73(2):432–6, Feb 76

[A biochemical and cytological explanation of cochlear otospongiosis] Chevance LG. **Acta Otolaryngol (Stockh)** 81(3–4):200–3, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Denaturation and enzymatic proteolysis in vitro of protein fractions of soya flour] Bau HM, et al. **Ann Nutr Aliment** 29(4):351–70, 1975 (Eng. Abstr.) **(Fre)**

[Effect of Au++++ on trypsin and elastase inhibitory capacity of serum] pp. 141–55. Buneaux JJ, et al.
In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975. (Eng. Abstr.) **(Fre)**

[Immobilization of prelabeled trypsin protected by a synthetic macromolecular inhibitor] pp. 111–4. Brown E, et al.
In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North-Holland, 1976. QU 135 I5893a 1975. (Eng. Abstr.) **(Fre)**

[Phospholipase A2, lipase, cholesterol esterase and trypsin activity of the rat pancreas after chronic ingestion or an acute dose of ethanol] Belleville J, et al. **J Physiol (Paris)** 68(5):543–53, 1974 (Eng. Abstr.) **(Fre)**

[Effect of acid polysaccharides on properties of pancreatic proteases] Braudo EE, et al. **Nahrung** 19(9–10):903–10, 1975 (Eng. Abstr.) **(Ger)**

[Food protein quality. III Enzymatic ultrafiltrate digest (EUD) aminoacid index (author's transl)] Floridi A, et al. **Riv Sci Tecn Nutr Um** 5(1):13–8, Jan–Feb 1975 (Eng. Abstr.) **(Ita)**

[The nature of differences in amidase and esterase activities of some acyltrypsins] Bresler SE. **Biokhimiia** 40(2):408–10, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Properties of immobilized trypsin and alpha-chymotrypsin and their use for purification of proteinase inhibitors from potatoes] Levleva EV, et al. **Prikl Biokhim Mikrobiol** 11(3):427–32, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Effect of protease inhibitors on the activity of trypsin and lipase in the pancreas and blood serum of rats in acute pancreatitis] Khudoley IF, et al. **Vopr Med Khim** 21(3):296–9, May–Jun 75 **(Rus)**

[Relationship between the activity of trypsin and trypsin inhibitors in duodenal ulcer] Agadzhanian GI, et al. **Vrach Delo** (4):28–30, Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Dissociation of human adult epidermal cells by disulfide-reducing agents and subsequent trypsinization. Hentzer B, et al. **Acta Derm Venereol (Stockh)** 56(1):19–25, 1976

The activation of antigens of the basement membrane zone by proteolytic enzymes in vitro. Remy W, et al. **Acta Derm Venereol (Stockh)** 56(1):43–6, 1976

Bactericidal and haemolytic activity of complement in bovine colostrum and serum: effect of proteolytic enzymes and ethylene glycol tetraacetic acid (EGTA). Brock JH, et al. **Ann Immunol (Paris)** 126C(4):439–51, Jun–Jul 75

Enhancement of hemagglutinating activity of Haemophilus gallinarum by trypsin. Iritani Y, et al. **Avian Dis** 20(3):614–6, Jul–Sep 76

Effect of trypsinization of thiamine transport in Escherichia coli Crookes. Carraway CA, et al. **Biochem Biophys Res Commun** 67(2):728–34, 17 Nov 75

Trypsin-catalyzed activation of aspartase. Mizuta K, et al. **Biochem Biophys Res Commun** 67(2):741–6, 17 Nov 75

Effects of chymotrypsin and trypsin on rat peritoneal mast cells. Lagunoff D, et al. **Biochem Pharmacol** 24(17):1573–8, 1 Sep 75

The influence of detergents and trypsin on the stimulation of amylase secretion by either pancreozymin or sodium fluoride in the perfused rat pancreas. Robberecht P, et al. **Biochem Pharmacol** 24(17):1623–9, 1 Sep 75

Micrococcus lysodeikticus membrane ATPase. Effect of trypsin on stimulation of a purified form of the enzyme and idenfification of its natural inhibitor. Carreira J, et al. **Biochim Biophys Acta** 436(1):183–9, 4 Jun 76

Me2+-(13 S) ATPase from Micrococcus sp. ATCC 398E. The effect of trypsin on the purified enzyme. Höckel M, et al. **Biochim Biophys Acta** 429(3):1020–8, 13 May 76

Molecular changes in cell surface membranes resulting from trypsinization of sarcoma 180 tumor cells. Huggins JW, et al. **Biochim Biophys Acta** 426(4):630–7, 5 Apr 76

Studies on the nature of the inhibitory effect of trypsin on the photosynthetic electron transport of system II in spinach chloroplasts. Renger G, et al. **Biochim Biophys Acta** 440(2):278–86, 13 Aug 76

Studies on the structural and functional organization of system II of photosynthesis. The use of trypsin as a structurally selective inhibitor at the outer surface of the thylakoid membrane. Renger G. **Biochim Biophys Acta** 440(2):287–300, 13 Aug 76

The properties of a uterine oestradiol-receptor after limited proteolysis. Rat RL, et al. **Biochimie** 56(10):1387–94, 1974

A proposed role for alpha1 macroglobulin in the promotion of alpha1 acute-phase globulin synthesis by the perfused rat liver. Metcalfe J, et al. **Br J Exp Pathol** 56(6):570–8, Dec 75

Lymphocyte-mediated cytolysis of allogeneic tumor cells in vitro. III. Enzyme sensitivity of target cell antigens. Todd RF 3d. **Cell Immunol** 20(2):257–68, Dec 75

The migration of lymphocytes across specialized vascular endothelium. II. The contrasting consequences of treating lymphocytes with tryspin or neuraminidase. Ford WL, et al. **Cell Tissue Kinet** 9(4):351–61, Jul 76

A light and electron microscopic study of the embryonic chick otocyst. The effects of trypsin and Ca- and Mg-free salt solution. Orr MF. **Dev Biol** 47(2):325–40, Dec 75

The effect of conformational changes in brome mosaic virus upon its sensitivity to trypsin, chymotrypsin and ribonuclease. Pfeiffer P, et al. **FEBS Lett** 56(1):144–8, 1 Aug 75

Membrane alteration of trypsin-treated smooth muscle cells and penetration by antibodies to myosin. Gröschel-Stewart U, et al. **Histochemistry** 47(4):285–9, 19 Jul 76

Immunocompetent cells in man. IV. The inhibition of pokeweed mitogen-induced blastogenesis of normal human peripheral leukocytes by trypsin: a B-cell mitogen of mouse, but not of human, lymphocytes. Algom D, et al. **Immunol Commun** 5(3):145–62, 1976

Lymphocyte activation by neutral proteases. pp. 485–7. Vischer TL.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (17 ref.)

Trypsin-sensitive photosynthetic activities in chloroplast membranes from Chlamydomonas reinhardi, y-1. Regitz G, et al. **J Biol Chem** 251(1):247–52, 10 Jan 76

Regulation of glycogen synthetase. Effects of trypsin on the structure, activity, and phosphorylation of the skeletal muscle enzyme. Soderling TR. **J Biol Chem** 251(14):4359–64, 25 Jul 76

Thyrotropin effects on thyroid cells in culture. Effects of trypsin on the thyrotropin receptor and on thyrotropin-mediated cyclic 3':5'-AMP changes. Winand RJ, et al. **J Biol Chem** 250(16):6534–40, 25 Aug 75

Effect of cell trypsinization on nuclear proteins of WI-38 fibroblasts in culture. Maizel A, et al. **J Cell Physiol** 86(1):71–82, Aug 75

Trypsinized BHK21 cells aggregate in the presence of metabolic inhibitors and in the absence of divalent cations. Edwards JG, et al. **J Cell Sci** 19(3):653–7, Dec 75

Trypsin increases in vitro antibody synthesis and substitutes for helper T cells. Gisler RH, et al. **J Immunol** 116(5):1354–7, May 76

Studies on glycopeptide released by trypsin from sheep erythrocytes. Kitao T, et al. **J Immunol** 117(1):310–2, Jul 76

Activation of Heat-labile Escherichia coli enterotoxin by trypsin. Rappaport RS, et al. **J Infect Dis** 133 Suppl:41–54, Mar 76

Nature of macrophage modifications induced by the macrophage activating factor(s) (MAF): effect of enzymes and temperature. Dy M, et al. **J Reticuloendothel Soc** 20(2):93–102, Aug 76

Trypsin action on the growth of Sendai virus in tissue culture cells. IV. Evidence for activation of sendai virus by cleavage of a glycoprotein. Ohuchi M, et al. **J Virol** 18(3):1147–50, Jun 76

Effect of trypsin on mouse mammary tumor virus. Sheffield JB, et al. **J Virol** 19(1):255–66, Jul 76

Initiation of lung cell proliferation by trypsin. Aronson JF, et al. **Lab Invest** 34(5):529–36, May 76

Effect of endotoxin and trypsin on the blood pressor response to catecholamines in normo- and hypothermic rabbits. Csákó G, et al. **Med Biol** 54(4):243–53, Aug 76

Membrane bound and soluble adenosine triphosphatase of Escherichia coli K 12. Kinetic properties of the basal and trypsin-stimulated activities. Carreira J, et al. **Mol Cell Biochem** 9(2):85–95, 14 Nov 75

Adenylate cyclase stimulation by trypsin. Ryan WL, et al. **Proc Soc Exp Biol Med** 150(3):699–702, Dec 75

E-rosettes in human lymphocytes. Enhancement and depression after incubation of lymphocytes with papain and trypsin. Garrido F, et al. **Rev Esp Fisiol** 31(3):145–50, Sep 75

Activatory action of trypsin on epidermis dopa-oxidase. Lozano JA, et al. **Rev Esp Fisiol** 31(1):21–8, Mar 75

Trypsin activation of latent collagenase from several mammalian sources. Birkedal-Hansen H, et al. **Scand J Dent Res** 83(5):302–5, Sep 75

Effects of trypsin on glucose-induced insulin secretion from the perfused rat pancreas. Toyota T, et al. **Tohoku J Exp Med** 118(4):381–5, Apr 76

Functional characterization of membrane components of cytotoxic peritoneal exudate T lymphocytes. II. Trypsin sensitivity of the killer cell receptor. Todd RF 3d. **Transplantation** 20(4):314–22, Oct 75

Activation of influenza A viruses by trypsin treatment. Klenk HD, et al. **Virology** 68(2):426–39, Dec 75

Conversion to positivity of false negative latex/hepatitis associated antigen agglutination test upon treatment of sera with edta or trypsin. Spanò C, et al. **Z Immunitaetsforsch** 144(4):396–9, Dec 72

The chlorophyll aII reaction in trypsin-treated spinach chloroplasts in the presence of potassium ferricyanide. Döring G. **Z Naturforsch [C]** 31(1–2):78–81, Jan–Feb 76

[Trypsin-induced polyseritis: action of di-iso-propyl-fluorophosphate; evolution of the proteas activity of effusion; comparison with elastase] Warter J, et al. **C R Soc Biol (Paris)** 169(3):689–94, 1975 (Eng. Abstr.) **(Fre)**

[Influence of trypsinogen and trypsin on blood coagulation in vitro] Köstering H, et al. **Med Welt** 27(34):1575–9, 20 Aug 76 **(Ger)**

[Effect of trypsin on the activity of tetracycline, erythromycin and levomycetin] Belizhenko GG. **Antibiotiki** (9):823–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Comparison of the effect of trypsin and chymotrypsin on the pharmacokinetics of penicillins in the body of rats] Geltman IIa, et al. **Antibiotiki** 20(11):1019–23, Nov 75 (Eng. Abstr.) **(Rus)**

[Letter: Change in trypsin sensitivity during structural rearrangements in biolcgical membranes] Adzerikho RD, et al. **Biofizika** 20(5):942–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The state of the anticoagulant system following perfusion

of the isolated kidney with thrombin, N-acetyl-thrombin or trypsin] Kudrashov BA, et al. **Fiziol Zh SSSR** 61(11):1670–4, Nov 75 **(Rus)**

[Antimicrobial effect of trypsin] Vernik SD, et al. **Khirurgiia (Mosk)** (4):134–5, Apr 75 **(Rus)**

[Effect of trypsin on endogenous RNA synthesis of cell nuclei] Dzhokhadze DI, et al. **Ukr Biokhim Zh** 47(3):299–302, May–Jun 75 (Eng. Abstr.) **(Rus)**

SECRETION

Long-term exocrine function of the pancreas transplant. Charters AC 3d, et al. **Am J Surg** 129(1):16–22, Jan 75

A demonstration that the ratios between human pancreatic enzymes can change in 4 days. Allan BJ, et al. **Digestion** 14(3):232–41, 1976

The effect of acute hyperglycemia on meal-stimulated gastric, biliary, and pancreatic secretion, and serum gastrin. MacGregor IL, et al. **Gastroenterology** 70(2):197–202, Feb 76

Effect of gastrin on pancreatic enzyme secretion and gallbladder emptying in man. Valenzuela JE, et al. **Gastroenterology** 71(3):409–11, Sep 76

Secretion of exocrine pancreatic enzymes in patients with tropical sprue, following stimulation by a test meal. Balagopal G, et al. **Indian J Med Res** 63(8):1138–49, Aug 75

Response to jejunal acidification in man. II. Pancreatic, biliary and gastric responses. Thjodleifsson B, et al. **Scand J Gastroenterol** 11(5):505–12, 1976

THERAPEUTIC USE

Tetracycline and proteolytic enzymes combined compared with tetracycline alone in acne vulgaris. Stankler L. **Br J Clin Pract** 30(3):65–6, Mar 76

Chymoral in the treatment of lumbar disc prolapse. Gibson T, et al. **Rheumatol Rehabil** 14(3):186–90, Aug 75

Experimental studies on curing elapid bite with trypsin. Yü-liang H, et al. **Sci Sin** 18(3):396–405, May–Jun 75

[Dontisolon-P-oral medicated paste in periodontal electrosurgery] Haussmann H. **ZWR** 84(19):870–3, 10 Oct 75 **(Ger)**

[Proteolytic enzymes in the management of some morbid forms of angiological interest] Zanelli G, et al. **Minerva Cardioangiol** 22(5):379–82, May 74 (Eng. Abstr.) **(Ita)**

[A new drug combination for the treatment of non-tubercular acute and chronic bronchopneumopathies] Rampazzo F. **Minerva Med** 67(12):725–31, 10 Mar 76 (Eng. Abstr.) **(Ita)**

[Use of proteolytic enzymes in suppuration of the residual cavities of the liver after echnicoccectomy] Saidov GS, et al. **Khirurgiia (Mosk)** (10):142–3, Oct 75 **(Rus)**

[Use of proteolytic enzymes in the treatment of chronic pneumonia] Didkovskii NA, et al. **Klin Med (Mosk)** 52(3):28–32, Mar 74 **(Rus)**

[Treatment of dermatitis caused by crowfoot with proteolytic enzymes] Glozman VN. **Vestn Dermatol Venerol** (2):73–5, Feb 74 (Eng. Abstr.) **(Rus)**

[Use of Dontisolon in the conservative treatment of progressive periodontitis] Lazarevska B. **God Zb Med Fak Skopje** 17:551–6, 1971 (Eng. Abstr.) **(Ser)**

TRYPSIN INHIBITOR, ALPHA 1 ANTITRYPSIN see **ALPHA 1 ANTITRYPSIN**

TRYPSIN INHIBITOR, BOWMAN-BIRK SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KAZAL PANCREATIC see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KUNITZ, PANCREATIC see **KALLIKREIN-TRYPSIN INACTIVATOR**

TRYPSIN INHIBITOR, KUNITZ SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITORS

Fluorescence of tyrosine residues in the basic trypsin inhibitor from bovine lungs. Siemion IZ, et al. **Acta Biochim Pol** 22(3):195–200, 1975

Bovine factor Xa and bovine trypsin: a comparison with respect to inhibition by some amidines and guanidines. Johnson VA, et al. **Arch Biochem Biophys** 175(1):190–5, Jul 76

Interaction of basic polyvalent trypsin inhibitor before and after acetylation with DNA and carboxymethylcellulose. Szopa J. **Arch Immunol Ther Exp (Warsz)** 24(2):291–304, 1976

Chemical-enzymatic replacement of Ile64 in the reactive site of soybeen trypsin inhibitor (Kunitz). Kowalski D, et al. **Biochemistry** 15(6):1300–9, 23 Mar 76

Chemical-enzymatic insertion of an amino acid residue in the reactive site of soybean trypsin inhibitor (Kunitz). Kowalski D, et al. **Biochemistry** 15(6):1309–15, 23 Mar 76

Separation of trypsin and peroxidase by ultrafiltration using crosslinked soybean trypsin inhibitor Bartling GJ, et al. **Biotechnol Bioeng** 18(7):1023–7, Jul 76

The trypsin and chymotrypsin inhibitors in chick peas (Cicer arietinum L). Identification of the trypsin-reactive site, partial-amino-acid sequence and further physico-chemical properties of the major inhibitor. Belew M, et al. **Eur J Biochem** 62(3):499–508, 1 Mar 76

A study of the lysyl residues in the basic pancreatic trypsin inhibitor using 1H nuclear magnetic resonance at 360 Mhz. Brown LR, et al. **Eur J Biochem** 62(1):103–7, 2 Feb 76

Preparation and characterization of the active derivative bovine trypsin-kallikrein inhibitor (Kunitz) with the reactive site lysine-15 — alanine-16 hydrolyzed. Jering H, et al. **Eur J Biochem** 61(2):443–52, 15 Jan 76

Replacement of lysine by arginine, phenylalanine and tryptophan in the reactive site of the bovine trypsin-kallikrein inhibitor (Kunitz) and change of the inhibitory properties. Jering H, et al. **Eur J Biochem** 61(2):453–63, 15 Jan 76

Randomly reoxidised soybean trypsin inhibitor and the possibility of conformational barriers to disulphide isomerization in proteins. Hawkins HC, et al. **FEBS Lett** 58(1):7–11, 15 Oct 75

Structural homology of a trypsin-plasmin inhibitor from leeches (bdelin B-3) with secretory trypsin inhibitors from mammals. Krejci K, et al. **FEBS Lett** 64(1):152–5, 15 Apr 76

Pre-existence of the active site in zymogens, the interaction of trypsinogen with the basic pancreatic trypsin inhibitor (Kunitz). Vincent JP, et al. **FEBS Lett** 63(2):240–4, 1 Apr 76

The soybean trypsin inhibitor (Kunitz) is a doubleheaded inhibitor. Quast U, et al. **Hoppe Seylers Z Physiol Chem** 356(5):617–20, May 75

Reversible attachment and localization of the acid-stable seminal plasma acrosin-trypsin inhibitors on boar spermatozoa as revealed by the indirect immunofluorescent staining technique. Schill WB, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1473–6, Sep 75

Hydrolysis-resynthesis equilibrium of the lysine-15—alanine-16 peptide bond in bovine trypsin inhibitor (Kunitz). Tschesche H, et al. **Hoppe Seylers Z Physiol Chem** 357(6):769–76, Jun 76

Studies on barley trypsin inhibitor. II. Structural changes induced by denaturants and their reversibility. Ogiso T, et al. **J Biochem (Tokyo)** 79(2):321–8, Feb 76

Origins of circular dichroism bands in Bowman-Birk soybean trypsin inhibitor. Kay E. **J Biol Chem** 251(11):3411–6, 10 Jun 76

Preferred binding of bovine and porcine trypsins at two different sites on chicken ovoinhibitor. Reduced dissociation of mixed trypsin complexes. Zahnley JC. **J Biol Chem** 250(19):7879–84, 10 Oct 75

Correlation analysis of Baker's studies on enzyme inhibition. 2. Chymotrypsin, trypsin, thymidine phosphorylase, uridine phosphorylase, thymidylate synthetase, cytosine nucleoside deaminase, dihydrofolate reductase, malate dehydrogenase, glutamate dehydrogenase, lactate dehydrogenase, and glyceraldehyde-phosphate dehydrogenase. Yoshimoto M, et al. **J Med Chem** 19(1):71–98, Jan 76

Microwave bean roaster. Hamid MA, et al. **J Microwave Power** 10(1):109–14, Mar 75

The two-disulphide intermediates and the folding pathway of reduced pancreatic trypsin inhibitor. Creighton TE. **J Mol Biol** 95(2):167–99, 25 Jun 75

Interactions between cysteine residues as probes of protein conformation: the disulphide bond between Cys-14 and Cys-38 of the pancreatic trypsin inhibitor. Creighton TE. **J Mol Biol** 96(4):767–76, 25 Aug 75

Stability and specificity of protein-protein interactions: the case of the trypsin-trypsin inhibitor complexes. Janin J, et al. **J Mol Biol** 100(2):197–211, 15 Jan 76

Determination of antitrypsin activity on agar plates: relationship between antitrypsin and biological value of soybean for trout. Sandholm M, et al. **J Nutr** 106(6):761–6, Jun 76

Occurrence of a trypsin inhibitor in eggplant exocarps. Kanamori M, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(6):421–8, 1975

Proceedings: Inhibition of tryptic activity by a gastric peptide. Baillie AJ, et al. **J Pharm Pharmacol** 27 Suppl?-2:43P, Dec 75

Inhibitory effect of dioctyl sodium sulfosuccinate on trypsin activity. Jodhka GS, et al. **J Pharm Sci** 64(11):1858–62, Nov 75

[Immobilization of prelabeled trypsin protected by a synthetic macromolecular inhibitor] pp. 111–4. Brown E, et al. **In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North-Holland, 1976. QU 135 I5893a 1975.** (Eng. Abstr.) **(Fre)**

[Interaction between the basic polypeptide trasylol and proteoglycars. III. Proteinase inhibitor] Förster FJ, et al. **Med Welt** 26(46):2106–9, 14 Nov 75 **(Ger)**

[Synthetic inhibitors of serine proteinases. 5. The inhibition of trypsin, plasmin and thrombin caused by aliphatic amidino compounds having ether structure as well as esters of the 3- and 4-amidinophenoxyfacetic acid] Walsmann P, et al. **Pharmazie** 30(6):386–9, Jun 75 **(Ger)**

[Synthetic inhibitors of serine proteinases. 7. Inhibition of trypsin, plasmin and thrombin by amidinobenzylarylsulfides and -sulfones as well as N-(amidinobenzyl)-N-(aryl)- and N-(amidinobenzyl)-N-(arylalkyl)amines] Walsmann P, et al. **Pharmazie** 31(3):170–2, 1976 **(Ger)**

[Structure and function of basic trypsin inhibitor (author's transl)] Rzeszotarska B, et al. **Postepy Biochem** 22(2):123–42, 1976 **(Pol)**

[Microcolorimetric study of the association of trypsin with a pancreatic inhibitor] Golikov AG, et al. **Biokhimiia** 40(5):1112–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Hypertrophy and hyperplasia of the neonatal rat exocrine pancreas induced by orally administered soybean trypsin inhibitor. Melmed RN, et al. **Biochim Biophys Acta** 421(2):280–8, 24 Feb 76

ANALYSIS

Complete tyrosine assignments in the high field 1H nuclear magnetic resonance spectrum of the bovine pancreatic trypsin inhibitor. Snyder GH, et al. **Biochemistry** 14(17):3765–77, 26 Aug 75

Preliminary characterization of rabbit oviduct fluid trypsin inhibitors. McLaughlin KC, et al. **Biol Reprod** 12(5):556–65, Jun 75

Proceedings: The trypsin inhibitory activity of pure human pancreatic juice. Elias E, et al. **Gut** 17(5):385, May 76

On the carbohydrate composition of bovine colostrum trypsin inhibitor. Tschesche H, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1759–64, Nov 75

Natural plant enzyme inhibitors: Part II-protease inhibitors of seeds. Sumathi S, et al. **Indian J Biochem Biophys** 13(1):52–6, Mar 76

Proceedings: Trypsin-like enzymes and trypsin inhibitors. Levinsky H, et al. **Isr J Med Sci** 11(11):1170, Nov 75

Soybean trypsin inhibitor activity of soy infant formulas and its nutritional significance for the rat. Churella HR, et al. **J Agric Food Chem** 24(2):393–7, Mar–Apr 76

Purification and characterization of proteinase inhibitors from adzuki beans (Phaseolus angularis). Yoshida C, et al. **J Biochem (Tokyo)** 78(5):935–45, Nov 75

Resolution in affinity chromatography. The effect of the heterogeneity of immobilized soybean trypsin inhibitor on the separation of pancreatic proteases. Amneus H, et al. **J Chromatogr** 120(2):391–7, 26 May 76

Reactivities of the cysteine residues of the reduced pancreatic trypsin inhibitor. Creighton T. **J Mol Biol** 96(4):777–82, 25 Aug 75

Free fatty acids identified as antitryptic factor in soybeans fermented by Rhizopus oligosporus. Wang HL, et al. **J Nutr** 105(10):1351–5, Oct 75

[Inhibitors of proteases in bronchial secretion of patients deficient in alpha-1-antitrypsin] Laine A, et al. **Lille Med** 21(2):140–3, Feb 76 **(Fre)**

[Antiproteases of bronchial mucus] Lebas J, et al. **Lille Med** 21(2):136–9, Feb 76 **(Fre)**

[The amino acid sequence of the double-headed protein proteinase inhibitor from dog submandibular glands, I. Structural homology to the pancreatic secretory trypsin inhibitors (author's transl)] Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1659–62, Oct 75 (Eng. Abstr.) **(Ger)**

[Further characterisation of trypsin inhibitors in the polychaet Sabellastarte indica (Savigny), II (author's transl)] Mitteilung Z. **J Clin Chem Clin Biochem** 14(6):245–51, Jun 76 (Eng. Abstr.) **(Ger)**

[Mucous membrane specific protease inhibitors in bronchial mucus in severe chronic obstructive bronchitis and in alpha 1-antitrypsin deficiency syndrome] Rasche B, et al. **Respiration** 32(5):340–54, 1975 **(Ger)**

[Analysis of trypsin inhibitor level and its fluctuation in pancreatic and biliary tract diseases] Kojima G. **Jpn J Gastroenterol** 72(7):822–37, Jul 75 (Eng. Abstr.) **(Jpn)**

BLOOD

Pulmonary arteriovenous differences in serum antiprotease activity during experimental pneumonitis. Maran AG, et al. **Am Rev Respir Dis** 112(4):527–34, Oct 75

Liberation of an acid stable proteinase inhibitor from the human inter-alpha-trypsin inhibitor by the action of kallikrein. Bretzel G, et al. **Hoppe Seylers Z Physiol Chem** 357(3):487–9, Mar 76

[The inter-alpha-trypsin inhibitor as precursor of the acid-stable proteinase inhibitors in human serum and urine] Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 357(2):153–62, Feb 76

Deficiency of trypsin-inhibiting capacity in serum of turkeys with round heart disease. Rattner D. **J Comp Pathol** 86(1):131–3, Jan 76

Functional and biochemical effects on the lung following inhalation of cigarette smoke and its constituents. III. Serum antitrypsin and bronchomotor responses in rats. Ito H, et al. **Toxicol Appl Pharmacol** 35(3):403–12, Mar 76

[Activity of erythrocyte acetylcholinesterase and serum trypsin-inhibition capacity in newborn infants] Tomášová H, et al. **Cas Lek Cesk** 115(2-3):60–3, 23 Jan 76 (Eng. Abstr.) **(Cze)**

[Effect of Au+++ on trypsin and elastase inhibitory capacity of serum] pp. 141–55. Buneaux JJ, et al. **In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975.** (Eng. Abstr.) **(Fre)**

[Trypsin inhibitors in the blood] Serban M, et al. **Rev Med Intern [Med Intern]** 28(1):11–5, Jan–Feb 76 **(Rum)**

[Method of quantitative determination of trypsin and the activity of antitrypsin with the aid of specific antitryptic precipitating serum] Protsenko VA, et al. **Lab Delo** (6):336–8, 1975 **(Rus)**

[Arginine esterase, kalnikreine and antitryptic activities in experimental allergic encephalomyelitis in dogs] Milyutin LV, et al. **Vopr Med Khim** 21(3):254–8, May–Jun 75 (Eng.

Abstr.) (Rus)

CHEMICAL SYNTHESIS

Studies on trypsin inhbitors. Part II. Synthesis of the protected tetrapeptide (sequence 11–14) of porcine pancreatic secretory trypsin inhibitor II (Kazal). Guggi A, et al. **Int J Pept Protein Res** 8(1):79–85, 1976

Studies on trypsin inhibitors. Part VI. Synthesis of the protected nonapeptide (sequence 44–52) of porcine pancreatic secretory trypsin inhibitor II (Kazal). Guggi A, et al. **Int J Pept Protein Res** 8(2):115–24, 1976

Studies on trypsin inhibitors. Part IV, Synthesis of the protected undecapeptide (sequence 25–35) of porcine pancreatic secretory trypsin inhibitor II (Kazal). Guggi A, et al. **Int J Pept Protein Res** 8(2):97–105, 1976

Studies on trypsin inhibitors. Part I. Synthesis of protected peptides related to sequence 1–10 of porcine pancreatic secretory trypsin inhibitor II (Kazal). Tomatis R, et al. **Int J Pept Protein Res** 8(1):65–77, 1976

Studies on trypsin inhibitors. Part III. Synthesis of the protected decapeptide (sequence 15–24) of porcine pancreatic secretory trypsin inhibitor II (Kazal). Tomatis R, et al. **Int J Pept Protein Res** 8(1):87–95, 1976

Studies on trypsin inhibitors. Part V. Synthesis of the protected octapeptide (sequence 36–43) of porcine pancreatic secretory trypsin inhibitor II (Kazal). Tomatis R, et al. **Int J Pept Protein Res** 8(2):107–13, 1976

Proceedings: Synthesis of alpha-N-tosyl-p-guanidino-L-phenylalanine methyl ester and its interaction with trypsin, thrombin and chymotrypsin. Klausner YS, et al. **Isr J Med Sci** 11(11):1169, Nov 75

Novel bis(benzamidino) compounds with an aromatic central link. Inhibitors of thrombin, pancreatic kallikrein, trypsin, and complement. Geratz JD, et al. **J Med Chem** 19(5):634–9, May 76

IMMUNOLOGY

Localization of low molecular weight acrosin-trypsin inhibitors in the boar genital tract by immunofluorescence. Schill WB, et al. **Andrologia** 8(1):29–36, 1976

ISOLATION & PURIFICATION

Purification and characterization of a trypsin inhibitor from Solanum tuberosum. Rouleau M, et al. **Can J Biochem** 53(9):958–74, Sep 75

The trypsin and chymotrypsin inhibitors in chick peas (Cicer arietinum L.). Purification and properties of the inhibitors. Belew M, et al. **Eur J Biochem** 60(1):247–58, 1 Dec 75

Characterization of the proteinase inhibitors from bull seminal plasma and spermatozoa. Cechová D, et al. **Hoppe Seylers Z Physiol Chem** 357(3):401–8, Mar 76

Affinity chromatography of the serine proteases and their polypeptide inhibitors. pp. 247–51. Chauvet J, et al. **In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North-Holland, 1976. QU 135 I5893a 1975.**

Studies on trypsin inhibitor in barley. I. Purification and some properties. Ogiso T, et al. **J Biochem (Tokyo)** 78(1):9–17, Jul 75

METABOLISM

Effect of serum alpha2-macroglobulin on the trypsin-soybean trypsin inhibitor complex. Ganea D, et al. **Arch Roum Pathol Exp Microbiol** 33(3–4):325–33, Jul-Dec 74

Amphibian embryo protease inhibitor. III. Binding studies on the trypsin inhibitor and properties of its yolk-bound form. Slaughter D, et al. **Cell Differ** 4(6):429–40, Mar 76

On the reaction of acetamidomethanol with native and reduced bovine pancreatic trypsin inhibtor (Kunitz inhibitor). Rocchi R, et al. **Int J Pept Protein Res** 8(2):167–75, 1976

Enzyme substrate and inhibitor interactions. Blow DM, et al. **Philos Trans R Soc Lond [Biol]** 272(915):87–97, 6 Nov 75

Resonance Raman spectroscopic studies of the interactions between trypsin and a competitive inhibitor. Dupaix A, et al. **Proc Natl Acad Sci USA** 72(11):4223–7, Nov 75

[Trypsin inhibitor activity in the colostrum and its application in forensic science] Meghal SK, et al. **Arch Kriminol** 151(1–2):26–30, Jan–Feb 73 (Ger)

[Activity of proteolytic enzymes and trypsin inhibitor in blood serum and kidney in pyelonephritis] Levitsky AP, et al. **Vopr Med Khim** 21(5):538–42, Sep–Oct 75 (Eng. Abstr.) (Rus)

[Effect of an inhibitor of a trypsin-like enzyme on the degradation of liver proteins under normal conditions and in thermic burns] Zayets TL, et al. **Vopr Med Khim** 21(4):380–2, Jul–Aug 75 (Eng. Abstr.) (Rus)

[Relationship between the activity of trypsin and trypsin inhibitors in duodenal ulcer] Agadzhanian GI, et al. **Vrach Delo** (4):28–30, Apr 75 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Hypertrophy and hyperplasia in the endocrine and exocrine pancreas of rats fed soybean trypsin inhibitor or repeatedly injected with pancreozymin. Yanatori Y, et al. **Arch Histol Jpn** 39(1):67–78, Mar 76

The effect of carboxymethylcellulose on antiproteolytic activity of unmodified, guanidylated and acetylated BPTI. Szopa J. **Arch Immunol Ther Exp (Warsz)** 24(2):305–13, 1976

Interaction between proteins and detergents which contain a hydrocarbon chain longer than 16 carbon atoms. III. Competitive inhibition of trypsin by cetyldimethylbenzylammonium chloride. Nakaya K, et al. **Biochim Biophys Acta** 439(1):116–24, 19 Jul 76

[14C]leucine incorporation into proteins of pancreatic juice in rats fed soya-bean flour. Fölsch UR, et al. **Br J Nutr** 36(2):281–8, Sep 76

Inhibition of lymphocyte transformation: effect of soy bean trypsin inhibitor and synthetic anti-proteases. Moreau P, et al. **Can J Biochem** 53(12):1337–41, Dec 75

Interaction of clostripain with natural trypsin inhibitors and its affinity labeling by Nalpha-p-nitrobenzyloxycarbonyl arginine chlormethyl ketone. Siffert O, et al. **FEBS Lett** 66(1):114–9, 1 Jul 76

Effect of serum proteinase inhibitors on the fertilizing capacity of rabbit spermatozoa. Yang SL, et al. **Fertil Steril** 27(5):577–81, May 76

The influence of various proteinase inhibitors on the gelatinolytic effect of ejaculated and uterine boar spermatozoa. Wendt V, et al. **Hoppe Seylers Z Physiol Chem** 356(6):1073–8, Jun 75

The inhibition of human and bovine trypsins and chymotrypsins by the inter-alpha-inhibitor from human plasma. pp. 157–68. Bieth J, et al. **In: Martin JP, ed. L'alpha-1-antitrypsine et le système Pi. Paris, INSERM, 1975. WH 400 A4563 1975.**

Failure of soybean trypsin inhibitor to exert deleterious effects in calves. Kakade ML, et al. **J Dairy Sci** 59(8):1484–9, Aug 76

Synthesis of N,N'-bis(3-substituted benzylideneaminopropyl)-piperazines and their anti-inflammatory, antiproteolytic, and anticonvulsant properties. Chaturvedi AK, et al. **J Pharm Sci** 65(3):409–12, Mar 76

Antihemolytic and antiproteolytic properties of substituted thiosemicarbazidophenothiazines and thiazolidonylphenothiazines. Chaudhari A, et al. **J Pharm Sci** 65(5):758–61, May 76

Anti-inflammatroy and antiproteolytic properties of 1-(1-naphthylacetyl)-3-substituted carbamides. Kishore V, et al. **J Pharm Sci** 65(7):1078–81, Jul 76

The influence of drugs on the kinin-forming system in relation to pregnancy and parturition in the rat. Senior J, et al. **J Reprod Fertil** 47(2):319–23, Jul 76

Abolishment of oral trypsin inhibitor stimulation of the rat exocrine pancreas after duodeno-jejunal resection. Ihse I. **Scand J Gastroenterol** 11(1):11–5, 1976

Carbohydrate metabolism in normal and diabetic rats following long-term oral trypsin inhibitor administration. Lundquist I, et al. **Scand J Gastroenterol** 11(4):369–75, 1976

Proceedings: The prolonging effect of soy bean trypsin inhibitor on the thrombin clotting time. Kierulf P, et al. **Thromb Diath Haemorrh** 34(1):340, 30 Sep 75

[Synthetic inhibitors of serine proteinases. 12. The inhibition of trypsin, plasmin and thrombin by 3-[amidinophenyl]-1-phenyl-propanone-(1) with substituents in the aliphatic intermediate chain] Walsmann P, et al. **Pharmazie** 31(6):410–1, Jun 76 (Ger)

[Permeability-increasing effect of punctates. 3. Inhibition of the permeability-increasing activity by contrykal] Leibe S, et al. **Z Gesamte Inn Med** 31(6):172–5, 15 Mar 76 (Eng. Abstr.) (Ger)

[Effect of proteolysis inhibitors on the incorporation of labelled amino acids into proteins] Konikova AS, et al. **Biokhimiia** 40(6):1131–4, Nov–Dec 75 (Eng. Abstr.) (Rus)

[Effect of trypsin inhibitor of a peptide-protein nature on kallikreins from human and rabbit blood stream] Paskhina TS, et al. **Biokhimiia** 40(2):302–9, Mar–Apr 75 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Gamma-irradiation of lima bean protease inhibitor in dilute aqueous solutions. Lynn KR, et al. **Radiat Res** 65(1):41–9, Jan 76

THERAPEUTIC USE

Proceedings: Autoradiography of Ehrlich ascites tumours treated with soybean trypsin inhibitor in vivo. Whur P, et al. **Br J Cancer** 32(2):247–8, Aug 75

Antiinflammatory and antiproteolytic properties of naphthlthiosemicarbazides and cyclized oxadiazoles. Kishore V, et al. **Res Commun Chem Pathol Pharmacol** 11(4):581–94, Aug 75

Oral trypsin-inhibitor-induced improvement of the exocrine and endocrine pancreatic functions in alloxan diabetic rats. Ihse I, et al. **Scand J Gastroenterol** 11(4):363–8, 1976

[Proteinase inhibitors in complex treatment of arthroses and acute and chronic synovitis] Grigorian AV, et al. **Klin Khir** (7):13–7, Jun 75 (Eng. Abstr.) (Rus)

[Use of inhibitors of proteolytic enzymes in the complex therapy of acute and chronic suppurative lung diseases in children] Mokrik NI, et al. **Pediatriia** (4):551–4, Apr 75 (Eng. Abstr.) (Rus)

[Treatment of chronic pancreatitis with contrical] Loginov AS, et al. **Sov Med** (10):79–83, Oct 75 (Eng. Abstr.) (Rus)

URINE

Urinary trypsin-inhibitor: extraction from pregnancy urine by affinity chromatography. Casati P, et al. **Ital J Biochem** 24(3–4):188–98, May-Aug 75

[Kallikrein, nonspecific proteases and trypsin inhibitor in the urine of patients with pyelonephritis] Grabaziuk VS. **Urol Nefrol (Mosk)** (6):5–8, Nov–Dec 75 (Eng. Abstr.) (Rus)

TRYPSINOGEN

Refolding of Sepharose-bound trypsinogen with disulfide 179 to 203 reduced and carboxymethylated. Light A, et al. **Biochem Biophys Res Commun** 68(4):1188–93, 23 Feb 76

Pre-existence of the active site in zymogens, the interaction of trypsinogen with the basic pancreatic trypsin inhibitor (Kunitz). Vincent JP, et al. **FEBS Lett** 63(2):240–4, 1 Apr 76

Refolding of reduced, denatured trypsinogen and trypsin immobilized on Agarose beads. Sinha NK, et al. **J Biol Chem** 250(22):8624–9, 25 Nov 75

ANALYSIS

Activation peptide of human trypsinogen 2. Guy O, et al. **FEBS Lett** 62(2):150–3, 15 Feb 76

ANTAGONISTS & INHIBITORS

Kinetics of the inactivation of trypsinogen by methanesulfonyl fluoride in the pH-stat. Morgan PH, et al. **Anal Biochem** 72:447–54, 7 May 76

METABOLISM

The kinetics of trypsinogen activation studied by analytical affinity chromatography. Kasche V. **Arch Biochem Biophys** 173(1):269–72, Mar 76

Disulfide bond-modified trypsinogen. Role of disulfide 179–203 on the specificity characteristics of bovine trypsin toward synthetic substrates. Knights RJ, et al. **J Biol Chem** 251(1):222–8, 10 Jan 76

PHARMACODYNAMICS

[Influence of trypsinogen and trypsin on blood coagulation in vitro] Köstering H, et al. **Med Welt** 27(34):1575–9, 20 Aug 76 (Ger)

SECRETION

Proceedings: Parallel secretion of amylase, tryposinogen and chymotrypsinogen from the in vitro rabbit pancreas. Glazer G, et al. **J Physiol (Lond)** 258(2):88P–90P, Jun 76

Pancreatic enzyme response with an elemental diet. Neviackas JA, et al. **Surg Gynecol Obstet** 142(1):71–4, Jan 76

TRYPTAMINES

Evidence for dimethyltryptamine (DMT) as a naturally-occurring transmitter in mammalian brain. Christian ST, et al. **Ala J Med Sci** 13(2):162–5, Apr 76

A test of the transmethylation hypothesis in acute schizophrenic patients. Carpenter WT Jr, et al. **Am J Psychiatry** 132(10):1067–71, Oct 75

Reaction of tryptophan, tryptamines, and some related indoles with fluorescamine: unique fluorescence in strong acid. Nakamura H, et al. **Arch Biochem Biophys** 172(1):98–101, Jan 76

Effect of dielectric constant on the conformational behavior of tryptamine and serotonin. Kumbar M, et al. **J Am Chem Soc** 97(26):7411–6, 24 Dec 75

The photosensitized oxygenation of Nb-methyltryptamine. Nakagawa M, et al. **J Am Chem Soc** 97(22):6496–6501, 29 Oct 75

ADVERSE EFFECTS

The psychedelic model of schizophrenia: the case of N,N-dimethyltryptamine. Gillin JC, et al. **Am J Psychiatry** 133(2):203–8, Feb 76

Regeneration of the bulbospinal serotonin system after 5,6- or 5,7-dihydroxytryptamine in the rat. Baumgarten HG, et al. **Verh Anat Ges** 69:497–8, 1975

ANALYSIS

Adsorption of tryptophan metabolites from physiological fluids on XAD-2 and determination by single ion monitoring. Segura J, et al. **Biomed Mass Spectrom** 3(2):91–6, Apr 76

Indoleamines and the eccentric cells of the limulus lateral eye. Adolph A, et al. **Cell Tissue Res** 163(1):1–14, 17 Nov 75

Specific effect of 5,6-dihydroxytryptamine on the monoamine fluorophore of the frog's gustatory cells. Nada O, et al. **Histochemistry** 45(2):121–7, 21 Nov 75

[Significance of tryptamine/indoleacetic acid ratio: values obtained in various dermatologic diseases] Bousquet B, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):526–8, 1975 (Fre)

[Studies on hallucinogens. IX. Analysis of tryptamine derivatives (author's transl)] Ono M, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):95–9, 1975 (Eng. Abstr.) (Jpn)

BIOSYNTHESIS

Dimethyltryptamine: its biosynthesis and possible role in mental disease. pp. 175–83. Mandel LR.

In: Domino EF, Davis JM, ed. Neurotransmitter balances regulating behavior. Ann Arbor, Edwards, 1975. WL 102 N5074 1975.

BLOOD

Dimethyltryptamine levels in blood of schizophrenic patients and control subjects. Angrist B, et al. **Psychopharmacologia** 47(1):29–32, 5 May 76

CEREBROSPINAL FLUID

Gas–liquid chromatographic separation and identification of biologically important indolealkylamines from human cerebrospinal fluid. Christian ST, et al. **Biochem Med** 14(2):191–200, Oct 75

METABOLISM

The significance of some biochemical abnormalities in schizophrenia. Rodnight R. **Acta Neurol (Napoli)** 30(1):85–101, Jan–Feb 75

Ultrastructural evidence for the uptake of 5,6–dihydroxytryptamine in the frog's gustatory cell. Nada O, et al. **Am J Anat** 144(3):393–8, Nov 75

Effects of iproniazid and tranylcypromine of the half–life of N,N–dimethyltryptamine in rat brain and liver. Wang Lu LJ, et al. **Biochem Pharmacol** 25(13):1521–7, 1 Jul 76

[H] Tryptamine and 3H–water as diffusible internal standards for measuring brain extraction of radio–labeled substances following carotid injection. Oldendorf WH, et al. **Brain Res** 113(1):219–24, 20 AUG 76

Selective uptake of indolamine into nervous fibres in the brain of the desert locust, Schistocerca gregaria forskal (Insecta). A fluorescence and electron microscopic investigation. Klemm N, et al. **Comp Biochem Physiol [C]** 50(2):177–82, 1 Apr 75

Drug antagonism and reversibility of the binding of indoleamines in brain. Ungar F, et al. **Eur J Pharmacol** 36(1):115–25, Mar 76

Neurochemical evidence for tryptaminergic ascending and descending pathways in the spinal cord of the dog. Martin WR, et al. **Psychopharmacologia** 43(2):131–4, 21 Aug 75

A review of recent studies of the biosynthesis and excretion of hallucinogens formed by methylation of neurotransmitters or related substances. Rosengarten H, et al. **Schizophrenia Bull** 2(1):90–105, 1976 (109 ref.)

[Some histochemical characteristics of cells from the myenteric plexus existence of histaminergic tryptaminergic and dopaminergic cells and fibers in the metasympathetic system] Catini C. **Riv Istochim Norm Patol** 18(1–4):8–15, 1974 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Neurotoxicity of hydroxylated tryptamines: structure–activity relationships. 1. Long–term effects on monoamine content and fluorescence morphology of central monoamine neurons. Baumgarten HG, et al. **Acta Physiol Scand [Suppl]** (429):5–27, 1975

Neurotoxicity of hydroxylated tryptamines: structure–activity relationships. 2. In vitro studies on monoamine uptake inhibition and uptake impairment. Björklund A, et al. **Acta Physiol Scand [Suppl]** (429):29–60, 1975

A comparison of drug–induced rotation in rats lesioned in the medial forebrain bundle with 5,6–dihydroxytryptamine or 6–hydroxydopamine. Pieri M, et al. **Arch Ist Pharmacodyn Ther** 217(1):118–30, Sep 75

Rat brain de–acetylating activity: stereospecific inhibition by LSD and serotonin–related compounds. Paul SM, et al. **Biochem Biophys Res Commun** 70(1):207–11, 3 May 76

Effects of 5,6–dihydroxytryptamine on tyrosine–hydroxylase activity in central catecholaminergic neurons of the rat. Renaud B, et al. **Biochem Pharmacol** 24(18):1739–42, 15 Sep 75

5–Methoxy–N,N–dimethyltryptamine: behavioral and toxicological effects in animals. Gillin JC, et al. **Biol Psychiatry** 11(3):355–8, Jun 76

Pressor effects of tryptamine analogues. Bosin TR, et al. **Br J Pharmacol** 56(1):25–7, Jan 76

Effects of 5,7–dihydroxytryptamine on an identified 5–hydroxytryptamine–containing neurone in the central nervous sytem of the snail Helix pomatia. Osborne NN, et al. **Br J Pharmacol** 56(1):29–38, Jan 76

Behavioral and biochemical interactions of 5,7–dihydroxytryptamine with various drugs when administered intracisternally to adult and developing rats. Breese GR, et al. **Brain Res** 98(3):517–27, 21 Nov 75

Monoamine neurotoxins: selective and delayed effects on behavior in colonies of laboratory rats. Ellison G. **Brain Res** 103(1):81–92, 13 Feb 76

Impairment of thermoregulation, food and water intakes in the rat after hypothalamic injections of 5,6–dihydroxytryptamine. Myers RD. **Brain Res** 94(3):491–506, 5 Sep 75

Depletion of brain serotonin following intraventricular 5,7–dihydroxytryptamine fails to disrupt sleep in the rat. Ross CA, et al. **Brain Res** 114(3):517–23, 24 Sep 76

Recovery of brain noradrenaline after 5,7–dihydroxytryptamine–induced axonal lesions in the rat. Björklund A, et al. **Cell Tissue Res** 161(2):145–55, 18 Aug 75

Effect of intracerebroventricular 5,6–dihydroxytryptamine on blood pressure of spontaneously hypertensive rats. Buckingham RE, et al. **Eur J Pharmacol** 36(2):431–7, Apr 76

Pyrogen fever in rabbits pretreated with p–chlorophenylalanine or 5, 6–dihydroxytryptamine. Carruba MO, et al. **Experientia** 32(6):729–30, 15 Jun 76

Chemical excitability of axons: excitatory and inhibititory effects of putative neurotransmitters and modulators on frog sciatic nerves. Sabelli HC, et al. **Experientia** 31(9):1049–51, 15 SEP 75

Specific effect of 5,6–dihydroxytryptamine on the monoamine fluorophore of the frog's gustatory cells. Nada O, et al. **Histochemistry** 45(2):121–7, 21 Nov 75

The action of 5,6–dihydroxytryptamine and l–dopa on sexual behaviour of male rats. pp. 517–22. Da Prada M, et al.

In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972. (22 ref.)

Changes in brainstem monoamine turnover after surgical and chemical denervations of the olfactory system. pp. 285–90. Nakamura K, et al.

In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.1.

A comparative study of the influence of 6–hydroxydopamine, alpha methyltyrosine and 5,6–dihydroxy–tryptamine, p–chlorophenylalanine on the open field behaviour of rats. Kulkarni SK, et al. **Indian J Physiol Pharmacol** 18(4):324–9, Oct–Dec 74

Tolerance and limited cross–tolerance to the effects of N, N–dimethyltryptamine (DMT) and lysergic acid diethylamide–25 (LSD) on food–rewarded bar pressing in the rat. Kovacic B, et al. **J Pharmacol Exp Ther** 197(3):495–502, Jun 76

Actions of methoxamine and tryptamine and their interactions with cyproheptadine and phenoxybenzamine on cat spinal cord segmental reflexes. Vaupel DB, et al. **J Pharmacol Exp Ther** 196(1):87–96, Jan 76

Alcohol intake in the rat after lowering brain 5–hydroxtryptamine content by electrolytic midbrain raphé lesions, 5, 6–dihydroxytryptamine or p–chlorophenylalanine. Kiianmaa K. **Med Biol** 54(3):203–9, Jun 76

Self–association and binding sites of some psychotomimetic tryptamine derivatives and related compounds: nuclear magnetic resonance investigations. Sapper H, et al. **Mol Pharmacol** 12(4):605–11, Jul 76

The concentration of 5–methoxytryptamine in rat brain and its effects on behaviour following its peripheral injection. Green AR, et al. **Neuropharmacology** 14(8):601–6, Aug 75

Thermoregulatory deficits in the monkey produced by 5,6–dihydroxytryptamine injected into the hypothalamus. Waller MB, et al. **Neuropharmacology** 15(1):61–8, Jan 76

Alpha–methyltyptamine blocks facilitation of lordosis by progesterone in spayed, extrogen–primed rats. Espino C, et al. **Pharmacol Biochem Behav** 3(4):557–9, Jul–Aug 75

Hyperphagia and increased growth in rats after intraventricular injection of 5,7–dihydroxytryptamine. Saller CF, et al. **Science** 192(4237):385–7, 23 Apr 76

[The effects of 5,6–dihydroxytryptamine on the transport mechanisms of various neurotransmitters or their precursors at the synaptosomal level in the rat mesencephalon] Belin MF, et al. **Biochem Pharmacol** 24(22):2117–20, 15 Nov 75 **(Fre)**

[N,N–dimethyltryptamine: first comparative results. Preliminary communication] Arnold OH. **Arzneim Forsch** 25(6):972–4, Jun 75 (Eng. Abstr.) **(Ger)**

[Behavioral, electrocorticographic and body–temperature effects of intraventricular infusion of 5,6–dihydroxytryptamine] Nistico G, et al. **Boll Soc Ital Biol Sper** 51(17):1086–91, 15 Sep 75 **(Ita)**

[Chromosome aberrations in the cells of monkeys that have undergone acute irradiation with the use of chemical protection] Kosichenko LP, et al. **Biull Eksp Biol Med** 80(8):109–12, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of mexamine on the resistance of dogs to acute hypoxic hypoxia] Vasin MV, et al. **Farmakol Toksikol** 38(5):615–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[A change in hippocampal excitability in rabbits of different ages under the influence of serotoninergic system stimulation] Grigor'eva ON. **Fiziol Zh SSSR** 61(9):1318–22, Sep 75 (Eng. Abstr.) **(Rus)**

[Influence of 5–methoxytryptamine, cystamine, and aminopropyl–aminoethylthiophosphate on the radiosensitivity of hematopoietic stem cells] Abdul' IuA, et al. **Radiobiologila** 15(5):766–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Use of monolayer cultures of guinea pig spleen for evaluating the radioprotective effect of mexamine on the survival of colony–forming cells] Baĭsogolov GD, et al. **Radiobiologiia** 16(1):117–20, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Radioprotective effectiveness of a combination of mexamine and cystamine and their combined effect on respiratory exchange in mice] Kautská J, et al. **Radiobiologiia** 16(1):83–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Radical scavenging and the mechanism of action of chemical protectors in the body] Kravetskaia TP, et al. **Radiobiologiia** 15(3):336–9, May–Jun 75 (Eng. Abstr.) **(Rus)**

[The effect of several psychotropic substances on brain structure] Popova EN, et al. **Zh Nevropatol Psikhiatr** 75(7):1064–9, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cardiovascular tryptamine receptors in the chicken. Chand N, et al. **Arch Int Pharmacodyn Ther** 219(1):13–28, Jan 76

Atypical tryptamine receptors in sheep pulmonary vein. Eyre P. **Br J Pharmacol** 55(3):329–33, Nov 75

Central tryptaminergic mediation of the hyperthermia induced by amphetamine and halogenated analogues of it? Frey HH. **Pol J Pharmacol Pharm** 27(Suppl):89–90, Oct 75

THERAPEUTIC USE

Dipropyltryptamine in psychotherapy. Soskin RA. **Curr Psychiatr Ther** 15:147–56, 1975

[Radioprotective effect of mexamine and cystamine on animals during hypokinesia and ionizing radiation exposure] Kolemeeva LIa, et al. **Kosm Biol Aviakosm Med** 9(6):78–9, Nov–Dec 75 **(Rus)**

TOXICITY

[A pool hemopoietic stem cells and resistance of mice to toxic substances depending upon food rations] Lebengarts IaZ, et al. **Vopr Pitan** (6):28–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

URINE

Biochemical studies in early infantile autism. Narasimhachari N, et al. **Biol Psychiatry** 10(4):425–32, Aug 75

The dependence of tryptamine excretion on urinary pH. Price J. **Clin Chim Acta** 65(3):339–42, 15 Dec 75

Separation and quantitation of some urinary arylalkylamines. Slingsby JM, et al. **J Chromatogr** 123(1):51–6, 21 Jul 76

Letter: Urinary dimethyltryptamine in psychiatric patients. Oon MC, et al. **Lancet** 2(7945):1146–7, 6 Dec 75

TRYPTIZOL see **AMITRIPTYLINE**

TRYPTOPHAN

Reaction of tryptophan, tryptamines, and some related indoles with fluorescamine: unique fluorescence in strong acid. Nakamura H, et al. **Arch Biochem Biophys** 172(1):98–101, Jan 76

Changes in the exposure of tryptophyl and tyrosyl residues in thrombin due to diisopropylphosphorofluoridate and benzamidine inhibitions. Villanueva GB, et al. **Biochem Biophys Res Commun** 67(1):359–65, 3 Nov 75

Chemical modification of the tryptophan residue in adrenocorticotropin. Canova–Davis E, et al. **Biochemistry** 15(4):921–7, 24 Feb 76

Transient electric birefringence of T–even bacteriophages. II. T4B in the presence of tryptophan and T4D. Greve J, et al. **Biopolymers** 14(1):139–54, Jan 75

Co–oligopeptides of aromatic amino acids and glycine with a variable distance between the aromatic residues. III. Co–oligopeptides of L–phenylalanine, L–tryptophan, and Glycine: synthesis and ultraviolet absorption properties. Guarnaccia R, et al. **Biopolymers** 15(6):1103–17, Jun 76

Mechanisms of heat damage in proteins. 5. The nutritional values of heat–damaged and propionylated proteins as sources of lysine, methionine and tryptophan. Varnish SA, et al. **Br J Nutr** 34(2):325–37, Sep 75

Studies on the active site of papain. VI. Chemical modification of tryptophan residues by N–bromosuccinimide. Sakane M, et al. **Chem Pharm Bull (Tokyo)** 23(8):1741–4, Aug 75

Studies on the active site of papain. VII. States of tryptophan residues. Sakane M, et al. **Chem Pharm Bull (Tokyo)** 24(1):22–5, Jan 76

Adsorption of tryptophan onto calcum carbonate surface. Huang CP. **Environ Lett** 9(1):7–17, 1975

Some new bifunctional reagents for the conjugation of a protein with an amino compound in water. Tesser GI, et al. **Hoppe Seylers Z Physiol Chem** 356(10):1625–9, Oct 75

Synthetic spectroscopic models. Intramolecular stacking interactions between indole and connected nucleic acid bases. Hypochromism and fluorescence. Mutai K, et al. **J Am Chem Soc** 97(14):4095–4104, 9 Jul 75

Ternary complexes in solution. XXIV. Metal ion bridging of stacked purine–indole adducts. The mixed–ligand complexes of adenosine 5'–triphosphate, tryptophan, and manganese(II), copper(II), or zinc(II). Sigel H, et al. **J Am Chem Soc** 98(3):730–9, 4 Feb 76

Magnetic circular dichroism studies of indole, DL–tryptophan, and serotonin. Sprinkel FM, et al. **J Am Chem Soc** 97(23):6653–7, 12 Nov 75

Effects on tryptophyl absorption of the ionization of the catalytic carboxyls in hen and turkey lysozymes. Itani N, et al. **J Biochem (Tokyo)** 78(4):705–11, October 75

Oxidation of tryptophan in lysozyme by ozone in aqueous solution. Kuroda M, et al. **J Biochem (Tokyo)** 78(4):641–51, October 75

Photooxidation of histidine and tryptophan residues of papain in the presence of methylene blue. Okumura K, et al. **J Biochem (Tokyo)** 77(5):913–8, May 75

Conformation, enzymic activity, and immunochemistry of a lysozyme derivative modified at tryptophan 123 by reaction with 2,3–dioxo–5–indolinesulfonic acid. Atassi MZ, et al. **J Biol Chem** 251(6):1653–8, 25 Mar 76

The kinetics of complex formation of tryptophan containing proteins with pyridinium salts. Neitchev VZ, et al. **Mol Biol Rep** 2(4):303–9, Dec 75

Kinetics of hydrogen–deuterium exchange of tryptophan and

tryptophan peptides in deutero-trifluoroacetic acid using proton magenetic resonance spectroscopy. Norton RS, et al. **Mol Cell Biochem** 12(2):103–11, 30 Aug 76

Kinetic studies of the tryptophan triplet state in solid film and in wool keratin. Ghiggino KP, et al. **Photochem Photobiol** 22(5):169–73, Nov 75

Singlet energy transfer between aromatic amino acids and nucleic acid bases. Theoretical calculations. Montenay-Garestier T. **Photochem Photobiol** 22(1–2):3–6, Jul–Aug 75

Dynamics of a protein matrix revealed by fluorescence quenching. Eftink MR, et al. **Proc Natl Acad Sci USA** 72(9):3290–4, Sep 75

[Role of 02- ions in formation of N'-formylkynurenine from tryptophan] Walrant P, et al. **C R Acad Sci [D] (Paris)** 280(11):1425–8, 17 Mar 75 (Eng. Abstr.) **(Fre)**

[Decarboxylation of tryptophan and a synthesis of harman (Studies on the syntheses of heterocyclic compounds. DCVI) (author's transl)] Kametani T, et al. **J Pharm Soc Jpn** 95(4):363–6, Apr 75 (Eng. Abstr.) **(Jpn)**

[The mechanism of the reaction forming tryptophanyl-tRNA, catalyzed by tryptophan:tRNA-ligase] Kochkina LL, et al. **Mol Biol (Mosk)** 10(2):437–44, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The optimal time for enrichment of dietary protein with tryptophan in relation to feeding time in the rat. Rafalski H, et al. **Proc Nutr Soc** 34(2):92A–93A, Sep 75

[Efficacy of the oral treatment with L-tryptophan in subjects with insomnia. Preliminary results] Buscaino GA, et al. **Acta Neurol (Napoli)** 30(4):411–5, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

Carcinoid tumor metastases. Prospective study of twenty-two patients. Costello C. **Am J Surg** 130(6):756–9, Dec 75

5-Methyltryptophan: an internal strandard for tryptophan determination by ion-exchange chromatography. Wilkinson M, et al. **Anal Biochem** 70(2):470–8, Feb 76

4-Fluorotryptophan alkaline phosphatase from E. coli: preparation, properties, and 19F NMR spectrum. Browne DT, et al. **Biochem Biophys Res Commun** 68(3):907–13, 9 Feb 76

Beta-3-Oxindolylalanine: The main intermediate in tryptophan degradation occurring in acid hydrolysis of protein. Nakai T, et al. **Biochim Biophys Acta** 420(2):258–64, 20 Feb 76

Direct determination of the stoichiometry of charge transfer complexes. Teller DC, et al. **Biochim Biophys Acta** 421(2):416–9, 24 Feb 76

Chemical modification of peptide antibiotics : Part III. Biological activities of some ethanolamine and tryptophan derivatives and of some polypeptides containing tryptophan. Rambhav S. **Indian J Biochem Biophys** 12(2):168–71, Jun 75

Binding of substrate analogues to hen egg-white lysozyme with 2-nitrophenylsulfenylated tryptophan 62. Nakae Y, et al. **J Biochem (Tokyo)** 77(5):993–1006, May 75

Confirmation of the site of nitrosation in tryptophan derivatives by alpha-chymotrypsin. Brown TB, et al. **J Chem Soc [Perkin I]** (22):2357–60, 1975

Suppression and reversal of allergic encephalomyelitis in guinea pigs with a non-encephalitogenic analogue of the tryptophan region of the myelin basic protein. Hashim GA, et al. **J Immunol** 116(1):126–30, Jan 76

Identification of D-valyl-L-tryptophan anhydride from Aspergillus chevalieri. Stipanovic, RD, et al. **Lloydia** 39(2–3):158–9, Mar–Jun 76

Proceedings: Separation of tryptophan and tryptophan metabolites by gel chromatography on sephadex G15. Bjornesjo KB. **West Afr J Pharmacol Drug Res** 2(1):103P, Dec 74

[The effects of different amino acids and structural analogues on the penetration of L-tryptophan in mouse brain in vivo and in vitro] Laban P, et al. **C R Acad Sci [D] (Paris)** 281(10):671–3, 8 Sep 75 (Eng. Abstr.) **(Fre)**

[Fluorinated analogues of tryptophan showing substrate and inhibitor activity in the ATP-32ppi exchange reaction catalysed by tryptophanyl tRNA synthetase] Favorova OOL, et al. **Biokhimiia** 40(2):368–76, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of methionine and tryptophan in plant materials: quantitative evaluation of thin-layer chromatograms by highspeed video-densitometry. Pongor S, et al. **Acta Biochim Biophys Acad Sci Hung** 11(1):75–7, 1976

Isolation of tryptophan-containing peptides by adsorption chromatography. Chersi A, et al. **Anal Biochem** 73(2):471–6, Jun 76

Interference of ethanol in the determination of tryptophan by the method of spies and chambers. Concon JM. **Anal Biochem** 68(2):643–7, Oct 75

Single analysis for cysteine, cystine, and tryptophan in proteins. Inglis AS, et al. **Anal Biochem** 72:86–94, 7 May 76

A simplified procedure to determine tryptophan residues in proteins. Karkhanis YD, et al. **Anal Biochem** 69(1):55–60, Nov 75

5-Methyltryptophan: an internal strandard for tryptophan determination by ion-exchange chromatography. Wilkinson M, et al. **Anal Biochem** 70(2):470–8, Feb 76

Interference of sucrose with the fluorometric assay of tryptophan. Woodcock JL, et al. **Anal Biochem** 72:139–43, 7 May 76

Reactivity of tryptophans in rhodopsin. Cooper A, et al. **Biochem Biophys Res Commun** 68(1):178–82, 12 Jan 76

Covalent chromatography - the isolation of tryptophanyl containing peptides by novel polymeric reagents. Rubinstein M, et al. **Biochem Biophys Res Commun** 70(4):1257–63, 21 Jun 76

Exposure of tryptophanyl residues in proteins. Quantitative determination by fluorescence quenching studies. Eftink MR, et al. **Biochemistry** 15(3):672–80, 10 Feb 76

Tryptophan and cystein residues of the acetylcholine receptors of Torpedo species. Relationship to binding of cholinergic ligands. Eldefrawi ME, et al. **Biochemistry** 14(19):4304–10, 23 Sep 75

The fluorescence decay of tryptophan residues in native and denatured proteins. Grinvald A, et al. **Biochim Biophys Acta** 427(2):663–78, 14 Apr 76

Fluorimetric studies of tryptophyl exposure in concanavalin A. Pelley R, et al. **Biochim Biophys Acta** 427(1):359–63, 18 Mar 76

Adsorption of tryptophan metabolites from physiological fluids on XAD-2 and determination by single ion monitoring. Segura J, et al. **Biomed Mass Spectrom** 3(2):91–6, Apr 76

Fluroescence of proteins in 6-M guanidine hydrochloride. A method for the quantitative determination of tryptophan. Pajot P. **Eur J Biochem** 63(1):263–9, 16 Mar 76

Reactivity in tissue tryptophyl units in histofluorescence methods using carbonyl compounds. Partanen S. **Histochemistry** 47(4):339–43, 19 Jul 76

Rapid determination of tryptophan in beans (Phaseolus vulgaris) by the acid ninhydrin method. Sodek L, et al. **J Agric Food Chem** 23(6):1147–50, Nov–Dec 75

Estimation of tryptophyl and tyrosyl exposure in tryptophan-rich proteins by ultraviolet difference spectrophotometry. Lysozyme and Chymotrypsinogen. Izumi T, et al. **J Biochem (Tokyo)** 79(6):1309–21, Jun 76

Identification of tryptophan 62 as an ozonization-sensitive residue in hen egg-white lysozyme. Sakiyama F, et al. **J Biochem (Tokyo)** 79(1):225–8, Jan 76

Fluorescence of tryptophan-containing peptides on paper or silica gel after treatment with formaldehyde, formaldehyde-ozone or formaldehyde-hydrochloric acid. Larsson LI, et al. **J Chromatogr** 117(2):355–63, 18 Feb 76

Formaldehyde-hydrochloric acid treatment. A fluorescence histochemical method for the demonstration of tryptophan residues in peptides and proteins. Larsson LI, et al. **J Histochem Cytochem** 23(12):873–81, Dec 75

Plasma corticoids and brain tryptophan after acute and tolerance dosage of LSD. Halaris AE, et al. **Life Sci** 17(9):1467–72, 1 Nov 75

Microbiological assay of tryptophan in proteins. Scott KJ. **Proc Nutr Soc** 35(1):43A–44A, May 76

Pasture levels of tryptophan in relation to outbreaks of fog fever. Mackenzie A, et al. **Res Vet Sci** 19(2):227–8, Sep 75

Formaldehyde-ozone-induced fluorescence and ACTH immunoreactivity in basophil tumours of the pituitary. Larsson LI, et al. **Virchows Arch [Pathol Anat]** 369(1):1–5, 29 Dec 75

[Proceedings: Determination of tryptophan in the active center of diphtheria toxin] Michel A, et al. **Arch Int Physiol Biochim** 83(2):388–9, May 75 **(Fre)**

[Studies on the determination of tryptophan in pharmaceuticals. An evaluation] Myszkowska K, et al. **Acta Pol Pharm** 32(5):623–8, 1975 (Eng. Abstr.) **(Pol)**

[Utilization of dietary protein limited quantitatively by tryptophan content] Jabloński E. **Rocz Panstw Zaki Hig** 27(3):295–304, 1976 (Eng. Abstr.) **(Pol)**

[Study of the tryptophan-hydroxyproline coefficient of the meat of animals of different species] Morgun EM, et al. **Vopr Pitan** (1):80–3, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Free tryptophan pool and tryptophan biosynthetic enzymes in Saccharomyces cerevisiae. Fantes PA, et al. **Arch Microbiol** 107(2):207–14, 19 Mar 76

Utilization of ammonia for tryptophan synthesis. Zalkin H, et al. **Biochem Biophys Res Commun** 67(4):1370–7, 15 Dec 75

Differential sensitivity to antibiotics of trp mRNA synthesis originating at the trp promoter and the lambda promoter. Ihara S, et al. **Biochim Biophys Acta** 432(2):212–22, 3 May 76

Dual transcription of the tryptophan operon translocated into the early region of gamma. Ihara S, et al. **Biochim Biophys Acta** 432(2):199–211, 3 May 76

Role of post-replication and excision repair mechanism in the induction of Trp+ revertants of UV-irradiated Escherichia coli. Balgavý P, et al. **Folia Microbiol (Praha)** 21(2):90–9, 1976

Regulation of enzyme synthesis in the tryptophan pathway of Acinetobacter calcoaceticus. Cohn W, et al. **J Bacteriol** 127(1):367–79, Jul 76

Tryptophan operon regulation in interspecific hybrids of enteric bacteria. Manson MD, et al. **J Bacteriol** 126(2):679–89, May 76

Naturally occurring sites within the Shigella dysenteriae tryptophan operon severely limit tryptophan biosynthesis. Manson MD, et al. **J Bacteriol** 126(2):668–78, May 76

Tryptophan biosynthesis in Salmonella typhimurium: location in trpB of a genetic difference between strains LT2 and LT7. Stuttard C. **J Bacteriol** 123(3):878–87, Sep 75

Differences in the genetic structure of Bacillus subitilis strains carrying the trpE26 mutation and strain 168. Trowsdale J, et al. **J Bacteriol** 126(2):609–18, May 76

Tryptophan biosynthesis in Coprinus lagopus: a genetic analysis of mutants. Tilby MJ. **J Gen Microbiol** 93(1):126–32, Mar 76

Transcription termination in vivo in the leader region of the tryptophan operon of Escherichia coli. Bertrand K, et al. **J Mol Biol** 103(2):319–37, 15 May 76

Regulation of transcription termination in the leader region of the tryptophan operon of Escherichia coli involves tryptophan or its metabolic product. Bertrand K, et al. **J Mol Biol** 103(2):339–49, 15 May 76

Polarity suppressors increase expression of the wild-type tryptophan operon of Escherichia coli. Korn LJ, et al. **J Mol Biol** 103(2):395–409, 15 May 76

Termination of transcription in vitro in the Escherichia coli tryptophan operon leader region. Lee F, et al. **J Mol Biol** 103(2):383–93, 15 May 76

Dual-control of the tryptophan operon is mediated by both tryptophanyl-tRNA synthetase and the repressor. Morse DE, et al. **J Mol Biol** 103(2):209–26, 15 May 76

Ribosome-protected regions in the leader-trpE sequence of Escherichia coli tryptophan operon messenger RNA. Platt T, et al. **J Mol Biol** 103(2):411–20, 15 May 76

Nucleotide sequence of the 5' end of tryptophan messenger RNA of Escherichia coli. Squires C, et al. **J Mol Biol** 103(2):351–8, 15 May 76

The functional significance of the evolutionary divergence between the tryptophan operons of Escherichia coli and Salmonella typhimurium. Creighton TE. **J Mol Evol** 4(2):121–37, 29 Nov 74

Evidence of read-through at the termination signal for transcription of the trp operon. Segawa T, et al. **Virology** 70(1):181–4, Mar 76

[Transduction mechanisms by bacteriophage phi 80 of Escherichia coli] Gratia JP. **Arch Biol (Liege)** 86(1):1–44, 1975 (Eng. Abstr.) **(Fre)**

[The tryptophan 2-locus of Saccharomyces cerevisiae (author's transl)] Landolt-Sydler M. **Arch Genet (Zur)** 47(2):65–85, 1974 (Eng. Abstr.) **(Ger)**

BLOOD

Comparison of the effects of maprotiline (ludiomil) and clomipramine (anafranil) on serotonin uptake and tryptophan-binding in plasma. Greengrass PM, et al. **Biol Psychiatry** 11(1):91–100, Feb 76

Rapid effects of environmental disturbance on rat plasma unesterified fatty acid and tryptophan concentrations and their prevention by antilopolytic drugs. Curzon G, et al. **Br J Pharmacol** 54(3):389–96, Jul 75

The daily rhythm of plasma tryptophan and tyrosine in depression. Niskanen P, et al. **Br J Psychiatry** 128:67–73, Jan 76

Plasma tryptophan concentration in depressive illness and mania. Peet M, et al. **Br J Psychiatry** 128:255–8, Mar 76

Relationship between mood disturbances and free and total plasma tryptophan in postpartum women. Stein G, et al. **Br Med J** 2(6033):457, 21 Aug 76

Psychotropic drugs and gender as modifiers of the role of plasma tryptophan and serotonin in schizophrenia. Lovett Doust JW, et al. **Compr Psychiatry** 16(4):349–55, Jul–Aug 75

The influence of alclofenac treatment on acute-phase proteins, plasma tryptophan, and erythrocyte sedimentation rate in patients with rheumatoid arthritis. Maddock J, et al. **Curr Med Res Opin** 3(5):286–97, 1975

Pharmacokinetics of oral tryptophan in drug-free psychiatric patients. pp. 117–26. Domino EF. **In: Gottschalk LA, Merlis S, ed. Pharmacokinetics of psychoactive drugs. New York, Spectrum Publications, 1976. QV 77 A512pa 1974.**

Determination of free and bound plasma tryptophan. Mondino A, et al. **J Chromatogr** 117(1):236–8, 4 Feb 76

Correlation between the plasma tryptophan to neutral amino acid ratio and protein intake in the self-selecting weanling rat. Ashley DV, et al. **J Nutr** 105(11):1412–21, Nov 75

Letter: Plasma-tryptophan in anorexia nervosa. Coppen AJ, et al. **Lancet** 1(7966):961, 1 May 76

Possible relationship between pH of plasma and rheumatoid arthritis. McArthur JN. **Life Sci** 18(9):947–51, 1 May 76

Plasma free tryptophan variation during oestrous cycle of the rat. Heiskala H, et al. **Med Biol** 54(3):223–5, Jun 76

Plasma tryptophan transport in normal and depressed subjects. Spano PF, et al. **Med Biol** 53(6):489–92, Dec 75

Effect of intravenous glucose and insulin on plasma tryptophan and tyrosine concentrations in normal subjects and patients with carcinoid tumors. Feldman JM, et al. **Metabolism** 25(1):97–103, Jan 76

Benzodiazepines: specific competitors for the binding of L-tryptophan to human serum albumin. Müller WE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 288(1):17–27, 6 May 75

Changes in serum tryptophan and albumin binding of tryptophan in chlorpromazine-treated chronic schizophrenics on withdrawal and restoration of drug

therapy. Bender DA, et al. **Psychol Med** 5(4):397–403, Nov 75

Effects of benzodiazepines on the binding of tryptophan in serum. Consequences on 5–hydroxyindoles concentrations in the rat brain. Bourgoin S, et al. **Psychopharmacol Commun** 1(2):209–16, 1975

[Study of free and total tryptophan in the plasma. It value in psychiatry] Deniker P, et al. **Encephale** 2(2):123–32, 1976 (Eng. Abstr.) **(Fre)**

[Seasonal rhythm of free tryptophan and nonesterified fatty acids in the blood of healthy subjects (author's transl)] Baumann P, et al. **Arzneim Forsch** 26(6):1083–5, 1976 (Eng. Abstr.) **(Ger)**

[Tyrosine–tryptophan balance in depressive patients] pp. 81–8. Riederer P, et al. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**

[Role of tryptophan in the physiological regulation of brain serotonin synthesis (author's transl)] Biggio G, et al. **Riv Sci Tecn Nutr Um** 5(4):219–22, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Tryptophan and 5–hydroxytryptamine (serotonin) content of the blood of patients with diabetes mellitus] Bondar PN, et al. **Vrach Delo** (3):49–51, Mar 74 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Concentration of 5–hydroxyindoleacetic acid, homovanillic acid, and tryptophan in the cerebrospinal fluid of depressed patients before and after ECT. Abrams R, et al. **Biol Psychiatry** 11(1):85–90, Feb 76

Transmitter precursors and metabolites in human ventricular cerebrospinal fluid. Curzon G, et al. **J Neurochem** 26(3):613–5, Mar 76

Relationship between rat brain and cisternal CSF tryptophan concentrations. Young SN, et al. **J Neurol Neurosurg Psychiatry** 39(3):239–43, Mar 76

DEFICIENCY

Lenticular opacities in young rats as a consequence of maternal diets low in tryptopham and/or vitamin E. Bunce GE, et al. **J Nutr** 106(2):222–9, Feb 76

Rapid repletion of brain serotonin in malnourished corn–fed rats following L–tryptophan injection. Fernstrom JD, et al. **Life Sci** 17(3):455–63, 1 Aug 75

Interaction of diet and drugs in the regulation of brain 5–hydroxyindoles and the response to painful electric shock. Messing RB, et al. **Life Sci** 18(7):707–14, 1 Apr 76

Selective effect of a maize diet in reducing serum and brain tryptophan contents and blood and brain serotonin levels. Zambotti F, et al. **Life Sci** 17(11):1663–9, 1 Dec 75

Patho–physiologic findings after chronic tryptophan deficiency in rats: a model for delayed growth and aging. Segall PE, et al. **Mech Ageing Dev** 5(2):109–24, Mar–Apr 76

Effects of long–term corn consumption on brain serotonin and the response to electric shock. Lytle LD, et al. **Science** 190(4215):692–4, 14 Nov 75

ISOLATION & PURIFICATION

Proceedings: Separation of tryptophan and tryptophan metabolites by gel chromatography on sephadex G15. Bjornesjo KB. **West Afr J Pharmacol Drug Res** 2(1):103P, Dec 74

[Behavior of opticol isomers of tryptophan and of its structural analogs inhibiting bacterial growth in chromatography on high crystallinity cellulose] Munier RL, et al. **C R Acad Sci [D] (Paris)** 282(19):1761–4, 17 May 76 (Eng. Abstr.) **(Fre)**

METABOLISM

Intestinal absorption of L–tryptophan in scleroderma. Stachow A, et al. **Acta Derm Venereol (Stockh)** 56(4):257–64, 1976

Tryptophan metabolism in pigs: relation to synthesis and function of serotonin. Hyldgaard–Jensen J, et al. **Acta Vet Scand** 17(2):113–30, 1976

Possible role of insulin in the transport of tyrosine and tryptophan from blood to brain. Tagliamonte A, et al. **Adv Exp Med Biol** 69:89–94, 1976

The biosynthesis and secretion of precursor enamel protein by ameloblasts as visualized by autoradiography after tryptophan administration. Slavkin HC, et al. **Anat Rec** 185(3):289–312, Jul 76

Tryptophane metabolism in bronchial asthma. Collipp PJ, et al. **Ann Allergy** 35(3):153–8, Sep 75

Bilateral adrenalectomy: effect of a single tube–feeding of tryptophan on amino acid incorporation into plasma abumin and fibrinogen in vivo. Jorgensen AJ, et al. **Biochem Med** 13(3):231–40, Jul 75

The effects of chlorpromazine on serum tryptophan, brain tryptophan uptake and brain serotonin synthesis in the rat. Bender DA. **Biochem Pharmacol** 25(15):1743–6, 1 Aug 76

Studies on the rate of incorporation of tryptophan into nicotinamide–adenine dinucleotides in rats chronically exposed to carbon disulphide. Wrońska–Nofer T, et al. **Biochem Pharmacol** 25(12):1427–8, 15 Jun 76

Proceedings: The effects of chronic lithium administration on the metabolism of L–tryptophan in the rat forebrain. Collard KJ, et al. **Br J Pharmacol** 55(2):268P, Oct 75

Proceedings: Tryptophan metabolism by the isolated perfused rat liver. Green AR, et al. **Br J Pharmacol** 55(2):253P–254P, Oct 75

Tryptophan metabolism in the isolated perfused liver of the rat: effects of tryptophan concentration, hydrocortisone and allopurinol on tryptophan pyrrolase activity and kynurenine formation. Green AR, et al. **Br J Pharmacol** 57(1):103–14, May 76

Tryptophan metabolism in developing chick brain. Suzuki O, et al. **Brain Res** 93(3):455–62, 15 Aug 75

Plasma pyridoxal phosphate levels and tryptophan metabolism in children with burns and scalds. Barlow GB, et al. **Clin Chim Acta** 64(1):79–82, 1 Oct 75

Comparison of free tryptophan, bound tryptophan and tyrosine in plasma, and tryptophan, 5–hydroxytryptophan, serotonin, 5–hydroxyindoleacetic acid, tyrosine, dopamine and norepinephrine in brain parts of rat and pigeon. Lane JD, et al. **Comp Biochem Physiol [B]** 53(4):469–72, 1976

Thyroid state and brain monoamine metabolism. Jacoby JH, et al. **Endocrinology** 97(5):1332–5, Nov 75

Studies of tryptophan and albumin metabolism in a patient with carcinoid syndrome, pellagra, and hypoproteinemia. Swain CP, et al. **Gastroenterology** 71(3):484–9, Sep 76

Evidence that HT mutant strains of bacteriophage P22 retain an altered form of substrate specificity in the formation of transducing particles in Salmonella typhimurium. Chelala CA, et al. **Genet Res** 27(2):315–22, Apr 76

Proceedings: Disturbed brain tryptophan metabolism in fulminant hepatic failure. Record CO, et al. **Gut** 16(10):838, Oct 75

Simultaneous fluorescence histochemical demonstration of catecholamines and tryptophyl–peptides in endocrine cells. Partanen S. **Histochemistry** 43(4):295–303, 9 Jun 75

Tryptophan metabolism and schizophrenia. pp. 209–27. Berlet HH. **In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.** (188 ref.)

Studies on the effectiveness of liver and bacterial beta–glucuronidase enzymes in the hydrolysis of urinary beta–glucosiduronides of some tryptophan metabolites. El–Zoghby SM, et al. **Invest Urol** 13(2):154–8, Sep 75

Tryptophan leads to niacin pathway in various skin diseases. Binazzi M. **Ital Gen Rev Dermatol** 11(1):47–58, Jan–Apr 74

Availability of tryptophan in some feedstuffs for swine. Rivera PH, et al. **J Anim Sci** 43(2):432–41, Aug 76

Role of D–tryptophan oxidase in D–tryptophan utilization by Escherichia coli. Hadar R, et al. **J Bacteriol** 125(3):1096–1104, Mar 76

Physiological study of ergot: induction of alkaloid synthesis by tryptophan at the enzymatic level. Krupinski VM, et al. **J Bacteriol** 125(1):158–65, Jan 76

Suppressor su+7 inserts tryptophan in addition to glutamine. Celis JE, et al. **J Mol Biol** 104(3):729–34, 5 Jul 76

Experimental biharzial bladder cancer: tryptophan metabolism in nonhuman primates experimentally infected with Schistosoma haematobium. Brown RR, et al. **J Natl Cancer Inst** 56(1):101–4, Jan 76

Influence of riboflavin on disturbances in trytophan metabolism and hepatoma production after a single dose of aflatoxin B1. Lemonnier FJ, et al. **J Natl Cancer Inst** 55(5):1085–7, Nov 75

Lack of effect of increased pineal serotonin content on H3–tryptophan uptake. Wurtman RJ, et al. **J Neural Transm** 36(3–4):177–81, 1975

Effects of ingestion of a carbohydrate–fat meal on the levels and synthesis of 5–hydroxyindoles in various regions of the rat central nervous system. Colmenares JL, et al. **J Neurochem** 25(6):825–9, Dec 75

Metabolism of a tryptophan load in the hypothalamus and other brain regions. Curzon G, et al. **J Neurochem** 25(3):251–6, Sep 75

The effect of a low protein diet and exogenous insulin on brain tryptophan and its metabolites in the weanling rat. Dickerson JW, et al. **J Neurochem** 25(5):559–64, Nov 75

The relevance of both plasma free tryptophan and insulin to rat brain tryptophan concentration. Fernando JC, et al. **J Neurochem** 27(1):343–5, Jul 76

Response of rat brain indoles and motor activity to short light–dark cycles. Hanselmann G, et al. **J Neurochem** 26(5):951–5, May 76

The relationship between the concentrations of tryptophan and 5–hydroxyindoleacetic acid in rat brain and cerebrospinal fluid. Modigh K. **J Neurochem** 25(3):351–2, Sep 75

Neurochemical correlates of behaviour—content of tryptophan, 5–hydroxytryptophan, serotonin, 5–hydroxyindoleacetic acid, tyrosine, dopamine and norepinephrine in four brain parts of the pigeon during behavioural depression following an injection of tryptophan. Smith JE, et al. **J Neurochem** 26(3):537–41, Mar 76

Parallel variation of ventricular CSF tryptophan and free serum tryptophan in man. Young SN, et al. **J Neurol Neurosurg Psychiatry** 39(1):61–5, Jan 76

Effects of skim milk, whole milk and light cream on serum tryptophan binding and brain tryptophan concentrations in rats. Fernstrom JD, et al. **J Nutr** 105(10):1359–62, Oct 75

Effects of excess intake of leucine and valine deficiency on tryptophan and niacin metabolites in humans. Nakagawa I, et al. **J Nutr** 105(10):1241–52, Oct 75

Metabolism of D– and L–tryptophan in dogs. Triebwasser KC, et al. **J Nutr** 106(5):642–52, May 76

The mechanism by which methiothepin, a putative serotonin receptor antagonist, icnreses brain 5–hydroxyindole levels. Jacoby JH, et al. **J Pharmacol Exp Ther** 195(2):257–64, Nov 75

Tryptophan, depression and steroidal contraception. Wynn V, et al. **J Steroid Biochem** 6(6):965–70, Jun 75 (67 ref.)

Anergy and tryptophan metabolism in bladder cancer. Romas NA, et al. **J Urol** 115(4):387–9, Apr 76

Initiation of DNA synthesis by the avian oncornavirus RNA–directed DNA polymerase: tryptophan tRNA as the major species of primer RNA. Folk WR, et al. **J Virol** 17(3):1049–51, Mar 76

Effects of various drugs on serum free and total tryptophan levels and brain tryptophan metabolism in rats. Iwata H, et al. **Jpn J Pharmacol** 25(3):303–10, Jun 75

Tryptophan metabolism in uremia. Gulyassy PF, et al. **Kidney Int [Suppl]** (3):311–3, Feb 75

Letter: Serum–aminoacids and brain tryptophan uptake. Daniel PM, et al. **Lancet** 2(7932):463, 6 Sep 75

Letter: Plasma neutral aminoacids and tryptophan in cirrhosis. Munro HN, et al. **Lancet** 2(7931):419, 30 Aug 75

The increase in brain tryptophan caused by amphetamine–like drugs: correlation with an increase in body temperature. Brase DA, et al. **Life Sci** 18(1):115–21, 1 Jan 76

L–tryptophan and rat fetal brain serotonin. Howd RA, et al. **Life Sci** 17(5):803–11, 1 Sep 75

Brain tryptophan, plasma free tryptophan and distribution of plasma neutral amino acids. James JH, et al. **Metabolism** 25(4):471–6, Apr 76

Initial trp operon sequence in Escherichia coli is transcribed without coupling to translation. Kano Y, et al. **Mol Gen Genet** 146(2):179–88, 23 Jul 76

Control of cI gene expression in bacteriophage lambda imm434, studied in an immunity/trp fusion made in vitro. Pastrana R, et al. **Mol Gen Genet** 146(2):191–8, 23 Jul 76

The effect of streptomycin resistance, caffeine and acriflavine on ultraviolet light–induced reversion to tryptophan independence in strains of Escherichia coli B/r. Barfknecht TR, et al. **Mutat Res** 30(2):163–76, Nov 75

A recombination–dependent replicating instability in Salmonella typhimurium. Murray GE, et al. **Mutat Res** 36(3):283–90, Sep 76

Role of sodium in neuronal uptake of monoamines and amino acid precursors. Bruinvels J. **Nature** 257(5527):606–7, 16 Oct 75

Inhibition by albumin of tryptophan uptake by rat brain. Etienne P, et al. **Nature** 262(5564):144–5, 8 Jul 76

Control of brain tryptophan concentration in rats on a high fat diet. Hutson PH, et al. **Nature** 262(5564):142–3, 8 Jul 76

The effect of plasma from psychotic children on tryptophan uptake in chicken erythrocytes. Piggott LR, et al. **Neuropsychobiology** 1(5):284–95, 1975

Tryptophan catabolism by liver tryptophan pyrrolase. **Nutr Rev** 34(1):27–9, Jan 76 (12 ref.)

Hydroxylation of tryptophan and its control in brain. Gál EM. **Pavlov J Biol Sci** 10(3):145–60, Jul–Sep 75

Alpha–ketoadipic aciduria: a description of a new metabolic error in lysine–tryptophan degradation. Wilson RW, et al. **Pediatr Res** 9(6):522–6, Jun 75

A defect in tryptophan metabolism. Wong PW, et al. **Pediatr Res** 10(8):725–30, Aug 76

Role of tryptophan, histidine and methionine residues in the catalytic activity of mitochondrial aspartate aminotransferase from beef kidney. Polidoro G, et al. **Physiol Chem Phys** 7(3):255–61, 1975

Disturbances in tryptophan and serotonin metabolism in affective psychoses and schizophrenia. Pużyński S, et al. **Pol J Pharmacol Pharm** 27(Suppl):47–60, Oct 75 (83 ref.)

Tricyclic antidepressants, tryptophan and affective disorder. Shaw DM. **Postgrad Med J** 52(3 suppl):47–51, 1976

The tryptophan requirement of male and female broilers during the 4–7 week period. Hunchar JG, et al. **Poult Sci** 55(1):379–83, Jan 76

The effect of dietary tryptophan and niacin levels on broiler breeder pullets. Powell TS, et al. **Poult Sci** 54(5):1438–42, Sep 75

Indolic tryptophan metabolism in uraemia. Byrd DJ, et al. **Proc Eur Dial Transplant Assoc** 12:347–54, 1976

The uptake of 14C–labeled hydroxyanthranilic acid and enantiomers of tryptophan, kynurenine, and hydroxykynurenine in human blood. Hankes LV, et al. **Proc Soc Exp Biol Med** 149(4):1063–8, Sep 75

Multicompartmental analysis of amino acid. 1. Preliminary data on concentrations, fluxes, and flow constants of tryptophan in affective illness. Shaw DM, et al. **Psychol Med** 5(2):206–13, May 75

[Changes in the tryptophan content in the body of layers under the effect of an environmental temperature–humidity regimen] Baĭkov B. **Vet Med Nauki** 13(3):26–31, 1976 (Eng. Abstr.) **(Bul)**

[The effects of different amino acids and structural analogues on the penetration of L–tryptophan in mouse brain in vivo and in vitro] Laban P, et al. **C R Acad Sci [D] (Paris)** 281(10):671–3, 8 Sep 75 (Eng. Abstr.) **(Fre)**

[The effect of an anticonvulsant medication, n–dipropylacetate, on the cerebral penetration of tryptophan in mice] Vacquier M, et al. **C R Acad Sci [D] (Paris)** 282(8):779–81, 23 Feb 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Pellagroid eruption and deep recurrent ataxia due to a tryptophan metabolism disorder] Nuyts JP, et al. **Pediatrie** 30(5):539, Jul–Aug 75 **(Fre)**

[Hormonal contraception, tryptophan metabolism and

depression] Patt V, et al. **Arch Gynaekol** 219(1–4):49–50, 18 Nov 75 **(Ger)**

[Metabolic products of microorganisms. 156. Synthesis and biosynthesis of substituted tryptanthrins (author's transl)] Fiedler E, et al. **Arch Microbiol** 107(3):249–56, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Tryptophan metabolism research in oligophrenic children. 4.: Activity and possibility of activating hepatic kynureninase after vitamin B6 treatment] Grimm U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(11):675–81, Nov 75 (Eng. Abstr.) **(Ger)**

[CO2 14 exhalation measurement in liver diseases] Glaubitt D, et al. **Rev Roum Med [Med Intern]** 13(2):119–24, 1975 **(Ger)**

[Studies of tryptophan metabolism of streptomycetes. IV. Studies of the inhibition of enzyme of tryptophan metabolism] Geuscher G. **Z Allg Mikrobiol** 15(8):625–30, 1975 **(Ger)**

[Tryptophan metabolism in breast carcinoma] Teichmann W, et al. **Zentralbl Chir** 101(1):16–8, 1976 **(Ger)**

[Tryptophane and affective disorders (author's transl)] Cassano GB, et al. **Riv Patol Nerv Ment** 95(4):222–36, Aug 74 (Eng. Abstr.) **(Ita)**

[Effects of indoleamine precursor loading on 5-hydroxyindole metabolism and on amino acid concentration in the cat brain] Taguchi K. **Psychiatr Neurol Jpn** 77(10):701–13, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[State of interstitial metabolism of tryptophan during pregnancy and labor in women having received estrogen–progestagenic preparations] Korkhov VV. **Akush Ginekol (Mosk)** (7):4–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Effect of hypercapnia on tyrosine and tryptophan metabolism] Rudzit VK, et al. **Biull Eksp Biol Med** 81(4):416–8, 1976 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A new agglutinating activity from wheat flour inhibited by tryptophan. Minetti M, et al. **Biochim Biophys Acta** 437(2):505–17, 21 Jul 76

Metal ion requirement and tryptophan inhibition of normal and variant anthranilate synthase–anthranilate 5-phosphoribosylpyrophosphate phosphoribosyltransferase complexes from Salmonella tyrhimrium. Robison PD, et al. **Biochim Biophys Acta** 445(2):475–85, 14 Sep 76

Effects of monoamine oxidase inhibition by clorgyline, deprenil or tranylcypromine on 5-hydroxytryptamine concentrations in rat brain and hyperactivity following subsequent tryptophan administration. Green AR, et al. **Br J Pharmacol** 55(3):415–22, Nov 75

Tryptophan regulation of brain tryptophan hydroxylase. Diez JA, et al. **Brain Res** 104(2):396–400, 12 Mar 76

In vivo release of 5-HT in the lateral ventricle of the rat: effects of 5-hydroxytryptophan and tryptophan. Ternaux JP, et al. **Brain Res** 101(3):533–48, 23 Jan 76

The effects of 5-hydroxytryptophan and L-tryptophan on wakefulness and sleep patterns in the cat. Ursin R. **Brain Res** 106(1):105–15, 16 Apr 76

Effects of tryptophan and other amino acids on glucose uptake and carbon dioxide output by the insulin-stimulated adipose tissue. Vazquez de Prada JR, et al. **Experientia** 31(11):1265–6, 15 Nov 75

Induction of allergic encephalomyelitis using hydrosoluble adjuvant and the tryptophan region of myelin basic protein. Westall FC, et al. **Immunol Commun** 4(4):353–9, 1975

Some processes involved in regulating the function of brain 5-hydroxytryptamine. pp. 567–76. Grahame-Smith DG, et al.
In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m. (21 ref.)

The effect of tryptophan administration on fatty acid synthesis in the livers of rats under various nutritional conditions. Miyazawa S, et al. **J Biochem (Tokyo)** 78(1):139–47, Jul 75

Effect of dietary protein and tryptophan and the turnover of rat liver ornithine aminotransferase. Chee PY, et al. **J Biol Chem** 251(4):1029–34, 25 Feb 76

The avoidance of D-tryptophan by the nematode Caenorhabditis elegans. Dusenbery DB. **J Exp Zool** 193(3):413–8, Sep 75

Effects of L-tryptophan treatment on central indoleamine metabolism and short-lasting neurologic disturbances in multiple sclerosis. Hyyppä MT, et al. **J Neural Transm** 37(4):297–304, 1975

Effects of dopaminergic agonists and electrical stimulation of the midbrain raph®e on the release of 5-hydroxytryptamine from the cat brain in vivo. Chiueh CC, et al. **J Neurochem** 26(2):319–24, Feb 76

Effects of tryptophan on serotonin in nerve endings. McBride WJ, et al. **J Neurochem** 26(1):175–8, JAN 76

Alteration of glucose tolerance by dietary L-tryptophan in rats. Wittman JS 3d. **J Nutr** 106(5):631–5, May 76

Effect of tryptophan on polyriboadenylic acid and polyadenylic acid–messenger ribonucleic acid in rat liver. Murty CN, et al. **Lab Invest** 34(1):77–85, Jan 76

Effect of tryptophan on hepatic polyribosomal disaggregation due to hypertonic sodium chloride. Sidransky H, et al. **Lab Invest** 34(3):291–7, Mar 76

Influence of oral contraceptives, pyridoxine (vitamin B6), and tryptophan on carbohydrate metabolism. Adams PW, et al. **Lancet** 1(7963):759–64, 10 Apr 76

Effect of tryptophan administration on serotonin and 5-hydroxyindoleacetic acid content in the brainstem of Lilly 110140-pretreated rats. Morgan WW, et al. **Life Sci** 17(4):523–9, 15 Aug 75

Normalization of brain serotonin by L-tryptophan in levodopa-treated rats. Fahn S, et al. **Neurology (Minneap)** 25(9):861–5, Sep 75

Inhibition of firing of raphe neurones by tryptophan and 5-hydroxytryptophan: blockade by inhibiting serotonin synthesis with Ro-4-4602. Gallager DW, et al. **Neuropharmacology** 15(3):149–56, Mar 76

The 'stimulant' action of tryptophan0monoamine oxidase inhibitor combinations: suppression of self-stimulation. Herberg LJ, et al. **Neuropharmacology** 15(6):349–51, Jun 76

Studies on the behavioural effects of tryptophan and rho-chlorophenylalanine. Marsden CA, et al. **Neuropharmacology** 15(3):165–71, Mar 76

Dose-response relationships between systemically administered L-tryptophan or L-5-hydroxytryptophan and raphe unit activity in the rat. Trulson ME, et al. **Neuropharmacology** 15(6):339–44, Jun 76

The effect of dietary tryptophan on the regulation of lipid metabolism in rats. Fears RB, et al. **Proc Nutr Soc** 35(1):37A–38A, May 76

The effect of tryptophan and a tryptophan/5-hydroxytryptophan combination on indoles in the brains of rats fed a tryptophan deficient diet. Clark JA, et al. **Psychopharmacologia** 45(2):183–8, 31 Dec 75

Dietary tryptophan and the selection of ethyl alcohol in different strains of rats. Myers RD, et al. **Psychopharmacologia** 42(2):109–15, 28 May 75

[Immunosuppressive effect of ethionine in rats. Resistance of this effect to methionine, tryptophan, ATP, adenosine and uridine] Aschkenasy A. **Ann Nutr Aliment** 29(2):137–50, 1975 (Eng. Abstr.) **(Fre)**

[The effect of L-tryptophan on L-dopa absorption (author's transl)] Weitbrecht WU, et al. **Dtsch Med Wochenschr** 101(1):20–2, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Effect of substrate and small doses of cortisone on the induction of Tryptophan 2,3-dioxygenase (author's transl)] Donner I, et al. **Hoppe Seylers Z Physiol Chem** 357(6):811–7, Jun 76 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The involvement of aromatic amino acids in biological activity of bovine fibrinogen as assessed by gamma-irradiation. Chanderkar LP, et al. **Radiat Res** 65(2):283–91, Feb 76

RADIATION EFFECTS

Near-UV photoproduct(s) of L-typtophan: an inhibitor of medium-dependent repair of X-ray-induced single-strand breaks in DNA which also inhibits replication-gap closure in Escherichia coli DNA. Yoakum G, et al. **Basic Life Sci** 5B:453–8, 1975

The binding of near-ultraviolet light-induced tryptophan photoproduct(s) to DNA. Glatzer L, et al. **Biochim Biophys Acta** 418(2):137–45, 19 Jan 76

Inhibition of cell growth by near ultraviolet light photoproducts of tryptophan. Zigman S, et al. **Mol Cell Biochem** 10(3):131–5, 25 Feb 76

Inactivation of catalase by near ultraviolet light and tryptophan photoproducts. Zigman S, et al. **Mol Cell Biochem** 11(3):149–54, 15 Jun 76

Stereoselectivity of beta irradiation of D,L-tryptophan in aqueous solution. Darge W, et al. **Nature** 261(5560):522–4, 10 Jun 76

Flash photolysis of aqueous tryptophan, alanyl tryptophan and tryptophyl alanine. Templer H, et al. **Photochem Photobiol** 23(2):79–83, Feb 76

Characterization of a cell-lethal product from the photooxidation of tryptophan: hydrogen peroxide. McCormick JP, et al. **Science** 191(4226):468–9, 6 Feb 76

THERAPEUTIC USE

L-tryptophan in depression. Farkas T, et al. **Biol Psychiatry** 11(3):295–302, Jun 76

Editorial: Tryptophan and depression. **Br Med J** 1(6004):242–3, 31 Jan 76

Letter: Tryptophan and depression. Rao B, et al. **Br Med J** 1(6007):460, 21 Feb 76

L-tryptophan and inflammation. Sethi RF. **Indian J Physiol Pharmacol** 18(4):355–7, Oct–Dec 74

Letter: Tryptophan plus a pyrrolase inhibitor for depression. Badawy AA, et al. **Lancet** 2(7940):869, 1 Nov 75

Letter: Treatment of unpolar depression. Coppen A. **Lancet** 1(7950):90–1, 10 Jan 76

Letter: Relief of myoclonus by L-tryptophan. DeLéan J, et al. **Lancet** 2(7940):870–1, 1 Nov 75

Comparative trial of L-tryptophan and E.C.T. in severe depressive illness. Herrington RN, et al. **Lancet** 2(7883):731–4, 28 Sep 74

Letter: Tryptophan/imipramine in depression. Jensen K, et al. **Lancet** 2(7941):920, 8 Nov 75

Letter: Treatment of unipolar depression. MacSweeney DA. **Lancet** 2(7933):510–1, 13 Sep 75

Letter: Tryptophan and allopurinol in the treatment of depression. Shopsin B. **Lancet** 1(7970):1189, 29 May 76

Protective effect of tryptophan and 5-hydroxytryptophan on experimental phenylketonuria induced with phenylalanine+ p-cholorophenylalanine in rats. Airaksinen MM, et al. **Med Biol** 53(6):481–8, Dec 75

Tricyclic antidepressants and tryptophan in unipolar depression. Shaw DM, et al. **Psychol Med** 5(3):276–8, Aug 75

[Letter: Effectiveness of L-tryptophan on Parkinsonian tremor. Preliminary study] Chazot G, et al. **Nouv Presse Med** 5(5):277, 31 Jan 76 **(Fre)**

[CSF levels of 5-HIAA in migraine during tryptophan therapy (author's transl)] Poloni M, et al. **Riv Patol Nerv Ment** 95(5):620–3, Oct 74 (Eng. Abstr.) **(Ita)**

TOXICITY

Ruminal and plasma concentrations of 3-methylindole associated with tryptophan-induced pulmonary edema and emphysema in cattle. Yokoyama MT, et al. **Am J Vet Res** 36(9):1349–52, Sep 75

Animal liver tryptophan pyrrolases: Absence of apoenzyme and of hormonal induction mechanism from species sensitive to tryptophan toxicity. Badawy AA, et al. **Biochem J** 158(1):79–88, 15 Jul 76

URINE

Urinary tryptophan metabolites: assay of free and acid hydrolyzable conjugates of 3-hydroxykynurenine and 3-hydroxyanthranilic acid. Yeh JK, et al. **Biochem Med** 14(1):12–23, Sep 75

A new method for determination of urinary tryptophan metabolites in bladder carcinoma. Romas NA, et al. **J Urol** 114(2):223–5, Aug 75

Effect of high intake of leucine on urinary tryptophan and niacin metabolites in humans. **Nutr Rev** 34(4):105–7, Apr 76 (12 ref.)

TRYPTOPHAN HYDROXYLASE see under **HYDROXYLASES**

TRYPTOPHAN OXYGENASE

The search for copper in L-tryptophan 2,3-dioxygenases. Brady FO. **Adv Exp Med Biol** 74:374–81, 1976 (21 ref.)

On the prosthetic groups of L-tryptophan 2,3-dioxygenase from Pseudomonas: evidence for noninvolvement of copper in the reaction. Ishimura Y, et al. **Adv Exp Med Biol** 74:363–73, 1976

pH dependence of the cooperative interactions and conformation of tryptophan oxygenase. Colman PD, et al. **J Biol Chem** 250(16):6208–13, 25 Aug 75

Binding of nitric oxide to reduced L-tryptophan-2,3-dioxygenase as studied by electron paramagnetic resonance. Henry Y, et al. **J Biol Chem** 251(6):1578–81, 25 Mar 76

ANALYSIS

Animal liver tryptophan pyrrolases: Absence of apoenzyme and of hormonal induction mechanism from species sensitive to tryptophan toxicity. Badawy AA, et al. **Biochem J** 158(1):79–88, 15 Jul 76

ANTAGONISTS & INHIBITORS

Effects of pyrazole on rat liver tryptophan oxygenase. Rouach H, et al. **Life Sci** 19(4):505–14, 15 Aug 76

[Studies of tryptophan metabolism of streptomycetes. IV. Studies of the inhibition of enzyme of tryptophan metabolism] Geuscher G. **Z Allg Mikrobiol** 15(8):625–30, 1975 **(Ger)**

BIOSYNTHESIS

Correlation between the cytostatic, immunosuppressive and tryptophane pyrrolase induction inhibiting effect of L-asparaginase. Hernádi F, et al. **Acta Biol Acad Sci Hung** 25(3):199–203, 1974

Pretranslational control of tryptophan oxygenase levels in Morris hepatoma and host liver. Ramanarayanan-Murthy L, et al. **Cancer Res** 36(10):3594–9, Oct 76

Functional level of rat liver tryptophan 2,3-dioxygenase messenger RNA during superinduction of enzyme with actinomycin D. Killewich L, et al. **Proc Natl Acad Sci USA** 72(11):4285–7, Nov 75

Studies on the hepatic glucocorticoid receptor and on the hormonal modulation of specific mRNA levels during enzyme induction. Feigelson P, et al. **Recent Prog Horm Res** 31:213–42, 1975 (48 ref.)

[Effect of substrate and small doses of cortisone on the induction of Tryptophan 2,3-dioxygenase (author's transl)] Donner I, et al. **Hoppe Seylers Z Physiol Chem** 357(6):811–7, Jun 76 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

The tryptophan 2,3-dioxygenase of the blowfly, Protophormia terrae-novae: partial purification and characterization. Schartau W, et al. **Hoppe Seylers Z Physiol Chem** 357(1):41–9, Jan 76

METABOLISM

The effects of ethanol on tryptophan pyrrolase activity and their comparison with those of phenobarbitone and morphine. Badawy AA, et al. **Adv Exp Med Biol** 59:229–51, 1975

Pseudomonad and hepatic L-tryptophan 2, 3-dioxygenase. Feigelson P. **Adv Exp Med Biol** 74:358–62, 1976 (26 ref.)

Tryptophan oxygenase in the liver and Albert hepatoma in mice. Salwa J. **Arch Immunol Ther Exp (Warsz)** 23(5):701–13, 1975

The effects of acute and chronic nicotine hydrogen (+)-tartrate administration and subsequent withdrawal on rat liver tryptophan pyrrolase activity and their comparison with those of morphine, phenobarbitone and ethanol. Badawy AA, et al. **Biochem J** 148(3):425–32, Jun 75

Regulation of rat liver tryptophan pyrrolase by its cofactor haem: Experiments with haematin and 5-aminolaevulinate and comparison with the substrate and hormonal mechanisms. Badawy AA, et al. **Biochem J** 150(3):511–20, Sep 75

The regulation of rat liver tryptophan pyrrolase activity by reduced nicotinamide-adenine dinucleotide (phosphate). Experiments with glucose and nicotinamide. Badawy AAB, et al. **Biochem J** 156(2):381–90, 15 May 76

Tryptophan 2,3-dioxygenase: a review of the roles of the heme and copper cofactors in catalysis. Brady FO. **Bioinorg Chem** 5(2):167–82, 1975 (41 ref.)

Cortisol treatment of neonatal rats: effects on enzymes in kidney, liver and heart. Greengard O. **Biol Neonate** 27(5–6):352–60, 1975

Tryptophan metabolism in the isolated perfused liver of the rat: effects of tryptophan concentration, hydrocortisone and allopurinol on tryptophan pyrrolase activity and kynurenine formation. Green AR, et al. **Br J Pharmacol** 57(1):103–14, May 76

The influence of thiamine deficiency on porphyrin synthesis and porphyrin proteins. Hauschildt S. **J Nutr Sci Vitaminol (Tokyo)** 21(6):403–10, 1975

Kynurenine metabolism in rats: some hormonal factors affecting enzyme activities. Manning BD, et al. **Life Sci** 17(2):225–32, 15 Jul 75

Role of vitamin B6 on leucine-induced metabolic changes. Rao SB, et al. **Nutr Metab** 18(5–6):318–25, 1975

Tryptophan catabolism by liver tryptophan pyrrolase. **Nutr Rev** 34(1):27–9, Jan 76 (12 ref.)

Enzyme activity in sleep and sleep deprivation. Deguchi T, et al. **Pharmacol Biochem Behav** 3(6):957–60, Nov–Dec 75

Results of correlation of values of individual behaviour of rats with liver tryptophan pyrrolase activity. Tikal K, et al. **Physiol Bohemoslov** 25(3):231–3, 1976

[Biochemical aspects of diurnal biological rhythms] Manteuffel-Cymborowska M. **Postepy Biochem** 22(2):143–71, 1976 **(Pol)**

[Age-related properties of inductive synthesis of glucose-6-phosphatase, fructose-1,6-diphosphatase, tyrosine aminotransferase and tryptophan pyrrolase in hypothalamus stimulation] Frol'kis VV, et al. **Vopr Med Khim** 21(4):400–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

TRYPTOPHAN PYRROLASE see **TRYPTOPHAN OXYGENASE**

TRYPTOPHAN SYNTHASE see **TRYPTOPHAN SYNTHETASE**

TRYPTOPHAN SYNTHASE INACTIVASE see under **PEPTIDE HYDROLASES**

TRYPTOPHAN SYNTHETASE

The binding of indole to the alpha-subunit and beta2-subunit and to the alpha2beta2-complex of tryptophan synthase from Escherichia coli. Identification of a second indole-binding site on the alpha-subunit. Weischet WO, et al. **Eur J Biochem** 64(1):313–20, 15 Apr 76

Letter: Stereochemistry and mechanism of reactions catalyzed by tryptophanase and tryptophan synthetase. Schleicher E, et al. **J Am Chem Soc** 98(4):1043–4, 18 Feb 76

Tryptophan synthetase alpha(5.7-S): novel molecular species formed within Escherichia coli. Berger FG, et al. **J Bacteriol** 124(2):800–9, Nov 75

Purification and properties of the alpha2beta2 complex of tryptophan synthetase of Proteus mirabilis. Riverin M, et al. **J Biol Chem** 251(13):3875–80, 10 Jul 76

BIOSYNTHESIS

Regulation of enzyme synthesis in the tryptophan pathway of Acinetobacter calcoaceticus. Cohn W, et al. **J Bacteriol** 127(1):367–79, Jul 76

Evidence for autogenous regulation of Pseudomonas putida tryptophan synthase. Proctor AR, et al. **J Bacteriol** 126(1):547–9, Apr 76

ISOLATION & PURIFICATION

The tryptophan synthase from Escherichia coli. An improved purification procedure for the alpha-subunit and binding studies with substrate analogues. Kirschner K, et al. **Eur J Biochem** 60(2):513–23, 15 Dec 75

Purification by immunoadsorbtion chromatography of the normal and a mutant form of the B2 subunit of Escherichia coli tryptophan synthase. Shannon LM, et al. **Eur J Biochem** 63(2):563–8, 1 Apr 76

METABOLISM

Protein turnover in Escherichia coli. Evidence against serine protease involvement in tryptophan synthetase degradation. Alexander L, et al. **Biochem Biophys Res Commun** 67(3):1055–61, 1 Dec 75

A new type of pyridoxal-P enzyme catalyzed reaction: the conversion of beta, gamma-unsaturated amino acids to saturated alpha-keto acids by tryptophan synthase. Miles EW. **Biochem Biophys Res Commun** 66(1):94–102, 2 Sep 75

Steady-state kinetic studies of the synthesis of indoleglycerol phosphate catalyzed by the alpha subunit of tryptophan synthase from Escherichia coli. Comparison with the alpha2 beta2-complex. Weischet WO, et al. **Eur J Biochem** 65(2):375–85, 1 Jun 76

The mechanism of the synthesis of indoleglycerol phosphate catalyzed by tryptophan synthase from Escherichia coli. Steady-state kinetic studies. Weischet WO, et al. **Eur J Biochem** 65(2):365–73, 1 Jun 76

The association of tryptophan synthetase subunits from Escherichia coli and Salmonella typhimurium in homologous and heterologous combinations. DiCamelli RF, et al. **Genet Res** 27(2):323–33, Apr 76

Derepression of certain aromatic amino acid biosynthetic enzymes of Escherichia coli K-12 by growth in Fe3+-deficient medium. McCray JW Jr, et al. **J Bacteriol** 125(2):608–15, Feb 76

Inhibition of Tryptophan Synthetase by Phosphate in Alkaloid-producing culture of Aspergillus fumigatus. Rao KK, et al. **Naturwissenschaften** 62(8):394–5, Aug 75

RADIATION EFFECTS

Near ultraviolet inactivation studies on Escherichia coli tryptophanase and tryptophan synthetase. Coetzee WF, et al. **Photochem Photobiol** 22(1–2):29–32, Jul–Aug 75

TRYPTOPHANASE see under **LYASES**

TRYPTOPHANYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TSETSE FLIES

Field studies using repellent-treated wide-mesh net jackets against Glossina morsitans in Ethiopia. Sholdt LL, et al. **East Afr Med J** 52(5):277–83, May 75

Tsetse control—present and future. Jordan AM. **Trans R Soc Trop Med Hyg** 70(2):128–9, 1976

Observations on a herd of beef cattle maintained in a tsetse area. II. Assessment of the development of immunity in association with trypanocidal drug treatment. Wilson AJ, et al. **Trop Anim Health Prod** 8(1):1–12, Feb 76

[General data on the ecology of Glossina tachinoides Westwood, 1850, in the Kalamaloué Reservoir, the Lower Chari River Valley. I.] Gruvel J. **Rev Elev Med Vet Pays Trop** 28(1):27–40, 1975 (Eng. Abstr.) **(Fre)**

[Activities of Glossina tachinoides W. (V)] Gruvel J. **Rev Elev Med Vet Pays Trop** 28(2):173–93, 1975 (Eng. Abstr.) **(Fre)**

[Structure of populations of Glossina tachinoides W. at the Kalamaloue Reserve] Gruvel J. **Rev Elev Med Vet Pays Trop** 28(2):195–215, 1975 (Eng. Abstr.) **(Fre)**

[Resting sites of Glossina tachinoides W. (IV)] Gruvel J. **Rev Elev Med Vet Pays Trop** 28(2):153–72, 1975 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effects of carbon dioxide anaesthetic on Glossina. Moloo SK, et al. **Acta Trop (Basel)** 32(2):159–65, 1975

Sterility in tsetse flies (Glossina morsitans Westwood) caused by loss of symbionts. Nogge G. **Experientia** 32(8):995–6, 15 Aug 76

GROWTH & DEVELOPMENT

Some changes in the flight apparatus of tsetse flies, Glossina morsitans and G. pallidipes, during maturation. Hargrove JW. **J Insect Physiol** 21(8):1485–9, Aug 75

[Pre-imaginal life of G. tachinoides W., free larva, pupation, places of egg laying. (II)] Gruvel J. **Rev Elev Med Vet Pays Trop** 28(1):41–8, 1975 (Eng. Abstr.) **(Fre)**

[Rearing of glossina palpalis gambiensis Vanderplank, 1949 (Diptera-Muscidae) at Maisons-Alfort] Itard J. **Rev Elev Med Vet Pays Trop** 29(1):43–58, 1976 (Eng. Abstr.) **(Fre)**

METABOLISM

Nutrition of Glossina morsitans: metabolism of U-14C threonine during pregnancy. Moloo SK. **Acta Trop (Basel)** 33(2):133–42, 1976

Inhibition of diuresis in the tsetse fly (Glossina morsitans) by ouabain and acetazolamide. Gooding RH. **Experientia** 31(8):938–9, 15 Aug 75

Amino acid metabolism during flight in tsetse flies. Hargrove JW. **J Insect Physiol** 22(2):309–13, 1976

Aspects of the nutrition of adult female Glossina morsitans during pregnancy. Moloo SK. **J Insect Physiol** 22(4):563–7, 1976

[Nutrition of Glossina tachinoides W. (III)] Gruvel J. **Rev Elev Med Vet Pays Trop** 28(1):49–60, 1975 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

The micro-organisms of tsetse flies. Southwood TR, et al. **Acta Trop (Basel)** 32(3):259–66, 1975

[Pathogenic activity of Bacillus thuringiensis on Glossina (Diptera-Muscidae). Study on Glossina tachinoides in the Republic of Chad] Maillard JC, et al. **Rev Elev Med Vet Pays Trop** 28(1):61–5, 1975 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Development of Trypanosoma (Trypanozoon) brucei in Glossina morsitans inoculated into the tsetse haemocoel. Otieno LH, et al. **Acta Trop (Basel)** 33(2):143–50, 1976

Trypanosoma brucei: antigenic analysis of bloodstream, vector, and culture stages by the quantitative fluorescent antibody methods. Honigberg BM, et al. **Exp Parasitol** 39(3):496–522, Jun 76

Penetration of mid-gut cells of Glossina morsitans morsitans by Trypanosoma brucei rhodesianse. Evans DA, et al. **Nature** 258(5532):231–3, 20 Nov 75

PHYSIOLOGY

Salivary secretion in three species of tsetse flies (Glossinidae). Youdeowei A. **Acta Trop (Basel)** 32(2):166–71, 1975

ATP reception by the tsetse fly, Glossina morsitans West. Mitchell BK. **Experientia** 32(2):192–4, 15 Feb 76

The control of diuresis in the tsetse fly Glossina austeni: a preliminary investigation of the diuretic hormone. Gee JD. **J Exp Biol** 63(2):391–401, Oct 75

Diuresis in the tsetse fly Glossina austeni. Gee JD. **J Exp Biol** 63(2):381–90, Oct 75

The flight performance of tsetse flies. Hargrove JW. **J Insect Physiol** 21(7):1385–95, Jul 75

Nutrition of Glossina morsitans: metabolism of U-14C glucose during pregnancy. Moloo SK. **J Insect Physiol** 22(2):195–200, 1976

Evidence of hormonal control of ovulation in tsetse flies. Chaudhury MF, et al. **Nature** 260(5548):243–4, 18 Mar 76

[Variations in cerebral neurosecretion during the reproductive cycle of a viviparous insect, Glossina fuscipes fuscipes (Diptera, Muscidae)] Nkouka E. **C R Acad Sci [D] (Paris)** 282(6):557–60, 9 Feb 76 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

The use of 'fast' neutrons and gamma radiation to sterilize the tsetse fly Glossina tachinoides Westw. Offori ED, et al. **Int J Appl Radiat Isot** 26(5):257–60, May 75

ULTRASTRUCTURE

Structural and functional dynamics of oogenesis in Glossina austeni: vitellogenesis with special reference to the follicular epithelium. Huebner E, et al. **Tissue Cell** 7(3):535–58, 1975

TSH see **THYROTROPIN**

TSUTSUGAMUSHI see **SCRUB TYPHUS**

TUBAL LIGATION see **STERILIZATION, TUBAL**

TUBE FEEDING

see related
GASTROSTOMY

Complete enteral support of thermally injured patients. Larkin JM, et al. **Am J Surg** 131(6):722–4, Jun 76

Ryle's tube obstruction by Ascaris lumbricoides. Solanki SV, et al. **J Indian Med Assoc** 65(12):332–3, 16 Dec 75

Continuous low flow enteral reanimation in post-operative upper gastrointestinal hemorrhage in 50 cases. Levy E, et al. **J Med** 7(2):123–9, 1976

Continuous low rate enteral feeding. Levy E, et al. **J Med** 7(2):113–22, 1976

Duodenal nutrient infusion: effects on feeding in intact and vagotomized rabbits. Rezek M, et al. **J Nutr** 106(6):812–20, Jun 76

Dilute elemental diet and continuous infusion technique for management of short bowel syndrome. Christie DL, et al. **J Pediatr** 87(5):705–8, Nov 75

Letter: Feeding tube placement in the debilitated patient. Kaplan LR, et al. **JAMA** 236(5):446, 2 Aug 76

Letter: Elemental diets. Allison SP, et al. **Lancet** 2(7933):507–8, 13 Sep 75

Letter: Cholesterol contrast of tube feeds. Craig G. **Lancet** 2(7941):935, 8 Nov 75

Letter: Elemental diets. Woolfson AM, et al. **Lancet** 2(7945):1157, 6 Dec 75

Continuous nocturnal intragastric feeding for management of type 1 glycogen-storage disease. Greene HL, et al. **N Engl J Med** 294(8):423–5, 19 Feb 76

[Enteral feeding via tube in thermal burns in childhood during the shock and toxinfection phases] Misheva L. **Khirurgiia (Sofiia)** 28(3):214–8, 1975 (Eng. Abstr.) **(Bul)**

[Letter: Discovery of enteral feeding] Loygue J, et al. **Nouv Presse Med** 4(38):2732, 8 Nov 75 **(Fre)**

[Preservation of positive energy balance in the burned patient with emphasis on hyperalimentation] Sternberg I, et al. **Harefuah** 89(4):150–2, 15 Aug 75 (Eng. Abstr.) **(Heb)**

[Continuous naso-gastric infusion in the feeding of premature newborn infants] Petrone M, et al. **Minerva Pediatr** 28(3):114–5, 4 Feb 76 **(Ita)**

[Tube feeding with emulsified fat after stomach resection] Dugina VM. **Khirurgiia (Mosk)** (12):95–7, Dec 75 **(Rus)**

[Tube feeding in the treatment of protein deficiency in

children with surgical diseases] Filippov IuV, et al. **Khirurgiia (Mosk)** (2):104–7, Feb 76 (Eng. Abstr.) **(Rus)**

['Enpity'—preparations for the enteral feeding of the severely ill] Pokrovskiĭ AA, et al. **Vestn Akad Med Nauk SSSR** (2):3–8, 1975 **(Rus)**

[State of amino acid metabolism in patients with laryngeal cancer after laryngectomy and tube feeding] Tolstov IuP, et al. **Vestn Otorinolaringol** (3):94–7, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Secretory function of the stomach and small-intestinal absorption during tube feeding of patients with peptic ulcer] Kovalev MM, et al. **Vrach Delo** (2):49–54, Feb 76 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Fluid and electrolyte problems of tube-fed patients. Kubo W, et al. **Am J Nurs** 76(6):912–6, Jun 76

Effect of feeding on ventilation and respiratory mechanics in newborn infants. Yu VY, et al. **Arch Dis Child** 51(4):310–3, Apr 76

Cardiorespiratory response to feeding in newborn infants. Yu VY. **Arch Dis Child** 51(4):305–9, Apr 76

Neonatal staphylococcal enterocolitis: association with indwelling feeding catheters and S. aureus colonization. Gutman LT, et al. **J Pediatr** 88(5):836–9, May 76

Hazardous gaseous distention of intestinal ballons. Fricke FJ, et al. **JAMA** 235(24):2611–3, 14 Jun 76

Complications of nasojejunal tube feeding. Fernandes CT, et al. **S Afr Med J** 50(6):177–8, 7 Feb 76

[Peptic stenosis of the esophagus. One of the complications of continuous tube feeding of the nursing infant] Mougenot JF, et al. **J Fr Otorhinolaryngol** 24(8):605–6, Oct 75 **(Fre)**

[Letter: Intestinal occlusion caused by a balloon catheter. 2 cases] Berta JL, et al. **Nouv Presse Med** 4(37):2663–4, 1 Nov 75 **(Fre)**

INSTRUMENTATION

A new tube feed: Aminutrin and Calonutrin. Manners JM. **Anaesthesia** 31(3):441–7, Apr 76

Enteral hyperalimentation: a new apparatus for administration. Gougeon FW. **Surgery** 79(6):697–701, Jun 76

METHODS

Transpyloric feeding in small preterm infants. Wolfsdorf J, et al. **Arch Dis Child** 50(9):723–6, Sep 75

New procedures. Improved technique for placement of intestinal feeding tube with the fibreoptic endoscope. Chung RS, et al. **Gut** 17(4):264–6, Apr 76

Surgical treatment of cervical esophagostomy. Hartwell SW Jr. **Surg Clin North Am** 55(5):1103–5, Oct 75

Continuous pump-tube enteric hyperalimentation. Dobbie RP, et al. **Surg Gynecol Obstet** 143(2):273–6, Aug 76

Enteral hyperalimentation. Kaminski MV Jr. **Surg Gynecol Obstet** 143(1):12–6, Jul 76

[Continuous feeding of low birth weight infants by duodenal tube] Meyer M, et al. **Pediatrie** 30(8):777–91, Dec 75 **(Fre)**

[Modern tube feeding] Troll U, et al. **Infusionstherapie** 2(1):3–7, Feb 75 (Eng. Abstr.) **(Ger)**

[The reliable fixation of gastro duodenal feeding tubes (author's transl)] Burmeister G. **Z Laryngol Rhinol Otol** 53(1):22–4, Jan 74 (Eng. Abstr.) **(Ger)**

[Tube as a feeding fistula] Schneider S. **Zentralbl Chir** 101(1):62–3, 1976 **(Ger)**

[Naso-jejunal feeding in the newborn infant at risk] Minoli I, et al. **Minerva Pediatr** 27(29):1596–600, 22 Sep 75 (Eng. Abstr.) **(Ita)**

STANDARDS

Evaluation of isoosmotic tube feeding formula in the diets of convalescent malnourished infants and children. MacLean WC Jr, et al. **Am J Clin Nutr** 29(5):496–501, May 76

TUBER CINEREUM see under **HYPOTHALAMUS**

TUBERACTINOMYCIN-N see under **ANTIBIOTICS, ANTITUBERCULAR**

TUBERCIDIN see under **RIBONUCLEOSIDES**

TUBERCULIN

Editorials: Tuberculins and other mycobacterins. Runyon EH. **Am Rev Respir Dis** 113(6):715, Jun 76

Local, passive transfer of purified protein derivative-delayed tuberculin hypersensitivity by guinea pig thymus-dependent lymphocytes. Tsuyuguchi I, et al. **Am Rev Respir Dis** 112(4):535–9, Oct 75

Purification and characterization of tuberculin-active components from BCG. Laguerre M, et al. **Can J Microbiol** 21(12):2019–27, Dec 75

Suppression of in vitro lymphocyte responsiveness to purified protein derivative by measles virus. A reexploration of the phenomenon. Dunmire C, et al. **Cell Immunol** 20(2):205–17, Dec 75

Tuberculin testing antigens and techniques. MacLean RA. **Chest** 68(3 SUPPL):455–9, Sep 75

Technical study of the leucocyte migration inhibition test in agarose. Application to PPD and to hepatitis B antigen. Erard P. **Clin Exp Immunol** 18(3):439–48, Nov 74

Technical study of the leucocyte migration inhibition test in agarose. Application to PPD and to hepatitis B antigen. Erard P. **Clin Exp Immunol** 18(3):439–48, Nov 74

Superiority of corpuscular BCG to soluble PPD antigen in the leucocyte migration assay. Górski AJ. **Clin Exp Immunol** 18(1):149–53, Sep 74

Superiority of corpuscular BCG to soluble PPD antigen in the leucocyte migration assay. Górski AJ. **Clin Exp Immunol** 18(1):149–53, Sep 74

Antigen cross-reactivity in the macrophage electrophoretic mobility test. A study using cellular affinity chromatography. McDermott JR, et al. **Clin Exp Immunol** 17(1):103–11, May 74

Inflammatory factors produced by sensitized guinea-pig peripheral blood lymphocytes. Warrington RJ, et al. **Experientia** 32(1):110–2, 15 Jan 76

Prevalence of non-specific sensitivity in some parts of India. Narain R, et al. **Indian J Med Res** 63(8):1098–109, Aug 75

A preliminary study of the effect of contact with environmental mycobacteria on the pattern of sensitivity to a range of new tuberculins amongst Ugandan adults. Stanford JL, et al. **J Hyg (Camb)** 76(2):205–14, Apr 76

Evolution of the lymphoid system. I. Evidence for lymphocyte heterogeneity in rainbow trout revealed by the organ distribution of mitogenic responses. Etlinger HM, et al. **J Immunol** 116(6):1547–53, Jun 76

Mechanism of inhibition of adoptive transfer of tuberculin sensitivity in acute uremia. Johnston MF, et al. **J Lab Clin Med** 87(3):457–61, Mar 76

Regression of cutaneous neoplasms following delayed-type hypersensitivity challenge reactions to microbial antigens or lymphokines. Holtermann OA, et al. **J Med** 6(2):157–68, 1975

A comparison of several intradermal tuberculins in Macaca mulatta during an epizootic of tuberculosis. McLaughlin RM, et al. **Lab Anim Sci** 26(1):44–50, Feb 76

Role of B cells in the expression of the PPD response of human lymphocytes in vitro. Blomgren H. **Scand J Immunol** 4(5–6):499–510, Sep 75

Binding of C-reactive protein to antigen-induced but not mitogen-induced T lymphoblasts. Croft SM, et al. **Science** 193(4254):685–7, 20 Aug 76

[Index of neutrophil damage and the tuberculin hemolysis reaction in the diagnosis of tuberculosis meningitis in adults] Nazarenko VG. **Probl Tuberk** (6):59–62, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the cytokinetics of Mott's cells following sensitization to BCG under conditions of preliminary treatment of rats with soluble antigens of Mycobacterium tuberculosis] Kovalevskiĭ GV. **Zh Mikrobiol Epidemiol Immunobiol** (11):50–5, Nov 75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Preliminary studies on human 'transfer factor' activity in guinea pigs. Systemic transfer of cutaneous delayed-type hypersensitivity to PPD and SKSD. Welch TM, et al. **Clin Immunol Immunopathol** 5(3):407–15, May 76

[Immunobiological 'Allassotherapy' in sarcoidosis. Method and results (author's transl)] Berdel W, et al. **Munch Med Wochenschr** 118(4):99–102, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[Potency of a new type of PPD preparation for single dose (author's transl)] Tokunaga T, et al. **Kekkaku** 50(6):147–52, Jun 75 (Eng. Abstr.) **(Jpn)**

[Immunoglobulins class IgG, IgA, IgM in the serum following tuberculin administration] Szeleżyński K, et al. **Pol Tyg Lek** 30(49):233–5, 8 Dec 75 (Eng. Abstr.) **(Pol)**

[Effectiveness of tuberculin therapy of adolescents with pulmonary tuberculosis] Krylov VA. **Probl Tuberk** (10):3–7, 1975 (Eng. Abstr.) **(Rus)**

[Effect of tuberculinization on the blood proteins of camels and cows] Donchenko AS, et al. **Veterinariia** (9):52–3, Sep 75 **(Rus)**

ADVERSE EFFECTS

[Letter: Tuberculin hypersensitivity] Spiess H. **Dtsch Med Wochenschr** 100(49):2553–4, 5 Dec 75 **(Ger)**

ANALYSIS

Specificity of antigenic fractions of tuberculin. Tuboly S, et al. **Acta Microbiol Acad Sci Hung** 23(1):23–8, 1976

The species distribution of three concanavalin A-purified mycobacterial polysaccharides. Daniel TM, et al. **Am Rev Respir Dis** 112(3):361–4, Sep 75

HISTORY

[Discovery of tuberculin] Schadewaldt H. **Dtsch Med Wochenschr** 100(39):1925–32, 26 Sep 75 **(Ger)**

IMMUNOLOGY

The effect of transfer factor on the in vitro migration of tuberculin stimulated white cells from sarcoid and normal subjects. Park JR, et al. **Br J Dermatol** 92(5):535–40, May 75

Aggregation of buffy-coat leucocytes. A sample, sensitive assay for cell-mediated immunity. Nicholls EM. **Clin Exp Immunol** 17(4):673–80, Aug 74

[Allergy to tuberculin twenty years after the BCG vaccination (author's transl)] Gervois M, et al. **Acta Tuberc Pneumol Belg** 66(1–2):113–27, Jan–Apr 75 (Eng. Abstr.) **(Fre)**

[Allergic reactions and lymphoblastic transformations caused by various purified tuberculins and sensitines (PPD). (Comparative study)] Diop S, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):129–35, 1975 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Tuberculin antigens: the need for purification. Daniel TM. **Am Rev Respir Dis** 113(6):717–9, Jun 76

Studies on tuberculin-active peptides. Engibarov A. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):475–80, 1975

[Tuberculin protein] Matsuo T, et al. **Kekkaku** 50(11):440–2, Dec 75 **(Jpn)**

[Study of a new form of purified tuberculin] Evglevskiĭ AA, et al. **Veterinariia** (6):39–40, Jun 76 **(Rus)**

PHARMACODYNAMICS

Leucocyte migration in response to P.P.D. in patients with trophoblastic tumours. Walden PA, et al. **Eur J Cancer** 12(4):277–82, Apr 76

Heterogeneity of B cells: direct evidence of selective triggering of distinct subpopulations by polyclonal activators. Gronowicz E, et al. **Scand J Immunol** 5(1–2):55–69, 1976

Effects of inhibitors of DNA and protein syntheses on mitogenic factor production by PPD-stimulated guinea pig lymphocytes. Hiramine C, et al. **Tohoku J Exp Med** 119(4):325–32, Aug 76

[Proceedings: Reactivity of PHA and tuberculin with lymphocytes of tubercular and neoplastic pleural fluid] Poujoulet N, et al. **Ann Immunol (Paris)** 126(3):368, Apr 75 **(Fre)**

STANDARDS

Potency of purified tuberculin determined by the shock method on hamsters. Jespersen A. **Acta Pathol Microbiol Scand [C]** 84(1):1–4, Feb 76

Letter: Standardization of tuberculin testing material. Clarke O. **Can Med Assoc J** 114(4):294, 21 Feb 76

Letter: Tuberculins old or purified. **Indian Pediatr** 12(6):520–4, Jun 75

Correlation of biological potency of human and bovine tuberculin PPDs in guinea-pigs, cattle and man. Lesslie IW. **J Biol Stand** 4(1):39–42, 1976

Assays of different tuberculin products performed in guinea-pigs. Maxild J, et al. **J Biol Stand** 4(3):171–87, 1976

Comparison of analysis of variance and a quick method in the potency estimation of tuberculin. Zsidai F, et al. **J Biol Stand** 4(1):29–34, 1976

Problems of potency evaluation of tuberculin preparations in BCG-vaccinated children. Engibarov A. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):432–5, 1975

[Comparative allergological study of Mycobacterium tuberculosis of the classical type and Mycobacterium tuberculosis var. Africanum (apropos of 400 intradermoreactions)] de Medeiros D, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):96–104, 1974 (Eng. Abstr.) **(Fre)**

[Activity tests and standardization of tuberculin RT-23 with tween 80] Janaszek W. **Med Dosw Mikrobiol** 27(4):343–52, 1975 (Eng. Abstr.) **(Pol)**

[Response to PPD in tuberculosis patients infected with M tuberculosis and M bovis] de Kantor IN, et al. **Medicina (B Aires)** 36(2):127–30, 1976 **(Spa)**

THERAPEUTIC USE

Tuberculinization of cancers. Soum P. **Panminerva Med** 17(5–6):211–2, May–Jun 75

TUBERCULIN TEST

Patch testing, tuberculin testing and sensitization with dinitrochlorobenzene and nitrosodimethylanilini of patients with atopic dermatitis. Forsbeck M, et al. **Acta Derm Venereol (Stockh)** 56(2):135–8, 1976

Further observations on tuberculin reactions in active tuberculosis. Rooney JJ Jr, et al. **Am J Med** 60(4):517–22, Apr 76

Tuberculin sensitivity in pregnancy. Present PA, et al. **Am Rev Respir Dis** 112(3):413–6, Sep 75

The prevalence of tuberculosis and positive tuberculin skin tests in a steroid-treated asthmatic population. Schatz M, et al. **Ann Intern Med** 84(3):261–5, Mar 76

Acquisition of tuberculin sensitivity after injection of dialyzable transfer factor in sarcoidosis. Horsmanheimo M, et al. **Ann NY Acad Sci** 278:129–35, 1976

The yield from mass tuberculin testing of unvaccinated children and adolescents. van Geuns HA, et al. **Bull Int Union Tuberc** 50(1):82–9, 1975

Post-vaccination (BCG) conversion reactions in a tuberculosis-free community. Wigley SC. **Bull Int Union Tuberc** 49 suppl 1:249–60, Aug 74

Sensitivity to tuberculin and to a nonmammalian sensitin in Mandalay District, Burma. Nyunt T, et al. **Bull WHO** 52(1):63–7, 1975

Tuberculin sensitivity and skin lesions in children after vaccination with 11 different BCG strains. Vallishayee RS,

et al. **Bull WHO** 51(5):489–94, 1974
Letter: Interpretation of PPD skin test. Joncas JH. **Can Med Assoc J** 113(9):816, 8 Nov 75
Parent reading and reporting of children's tuberculin skin test results. Asnes RS, et al. **Chest** 68(3 SUPPL):459–62, Sep 75
Letter: Isoniazid with corticosteroids in patient with previous positive tuberculin test? Eshelman FN. **Chest** 69(6):805, Jun 76
Immunobiology of tuberculin hypersensitivity. Freedman SO, et al. **Chest** 68(3 SUPPL):470–4, Sep 75
Tuberculosis case finding by tuberculin testing a complete population, with follow-up. Furcolow ML. **Chest** 68(3 SUPPL):443–5, Sep 75
Tuberculin testing antigens and techniques. MacLean RA. **Chest** 68(3 SUPPL):455–9, Sep 75
Inhibition of monocyte spreading. A direct in vitro test for assessing delayed-type hypersensitivity in man. Dekaris D, et al. **Clin Exp Immunol** 16(2):311–20, Feb 74
A comparison of the inhibition of leucocyte migration and monocyte spreading as in vitro assays for tuberculin hypersensitivity in man. Silobrčić V, et al. **Clin Exp Immunol** 20(2):239–47, May 75
A comparaison of two different tuberkulins in newborns vaccinated with reduced dosage of BCG vaccine. Nanović R, et al. **God Zb Med Fak Skopje** 21:187–92, 1975
Letter: Tuberculins old or purified. **Indian Pediatr** 12(6):520–4, Jun 75
Letter: Use of BCG in place of tuberculin to identify human tuberculous infection. Gothi GD. **Indian Pediatr** 12(6):524–5, Jun 75
Tuberculin test: its diagnostic significance. Sarkar U, et al. **Indian Pediatr** 13(2):135–41, Feb 76
Letter: Use of BCG in place of tuberculin to identify human tuberculous infection. Udani PM. **Indian Pediatr** 13(2):158–60, Feb 76
Effect of rifampin on immunity to tuberculosis and on delayed hypersensitivity to purified protein derivative. Youmans AS, et al. **Infect Immun** 13(1):127–32, Jan 76
Evaluation of different methods for measuring and determining the size of tuberculin skin reactions in guinea pigs. Landi S, et al. **J Biol Stand** 4(1):35–8, 1976
Multiple skin testing of Kenyan schoolchildren with a series of new tuberculins. Paul RC, et al. **J Hyg (Camb)** 75(2):303–13, Oct 75
A preliminary study of the effect of contact with environmental mycobacteria on the pattern of sensitivity to a range of new tuberculins amongst Ugandan adults. Stanford JL, et al. **J Hyg (Camb)** 76(2):205–14, Apr 76
Problems of potency evaluation of tuberculin preparations in BCG-vaccinated children. Engibarov A. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):432–5, 1975
Stimulation of lymphocytes by purified protein derivative: suppression by cells from human vaccinated with Bacille Calmette-Guérin. Bona C, et al. **J Infect Dis** 133(4):465–8, Apr 76
Depression of tuberculin reaction in mild and moderate protein-calorie malnourished children following BCG vaccination. Ziegler HD, et al. **Johns Hopkins Med J** 137(2):59–64, Aug 75
Protein and calorie malnutrition, cell-mediated immunity, and B.C.G. vaccination in children from rural West Bengal. Sinha DP, et al. **Lancet** 2(7985):531–4, 11 Sep 76
Letter: Influenza vaccine and P.P.D. skin-test reactivity. Van Horren J. **Lancet** 1(7949):44, 3 Jan 76
Letter: A question on tuberculin testing. Lorin MI. **Pediatrics** 56(4):619, Oct 75
Editorial: Frequency of tuberculin testing. Steigman AJ, et al. **Pediatrics** 56(2):160–1, Aug 75
Tuberculin sensitivity in South London infant school children. Gordon H. **Public Health** 90(1):5–8, Nov 75
A comparative study of tuberculin tine and Mantoux tests. Freiman I, et al. **S Afr Med J** 50(1):5–7, 3 Jan 76
Letter: Comparative study of tuberculin tine and Mantoux tests. Kleeberg HH, et al. **S Afr Med J** 50(14):527, 27 Mar 76
Tuberculin anergy in patients with Mycoplasma pneumoniae infection. Biberfeld G, et al. **Scand J Infect Dis** 8(2):71–3, 1976
[Quarterly data on tuberculin testing and BCG vaccination] **World Health Stat Rep** 29(1):21–5, 1976 **(Eng, Fre)**
[Follow-up of the immunological condition of patients with malignant otolaryngolgic tumors using the tuberculin test] Pihrt J, et al. **Cesk Otolaryngol** 25(2):80–3, Apr 76 (Eng. Abstr.) **(Cze)**
[Transformational test of lymphocytes and skin tuberculin test to determine the cellulary type of immunity (author's transl)] Votava V, et al. **Sb Lek** 77(7):213–7, Jul 75 (Eng. Abstr.) **(Cze)**
[Direct BCG vaccination, without tuberculin tests, in anti-tuberculosis campaigns in developing countries. Principles and the author's own experience in Algeria] Rožánek P. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1-2):19–27, 1974 **(Cze)**
[Significance of endogenous reactivation. 30 years' observation of subjects whose tuberculin test reaction has changed] Chiba Y. **Bull Int Union Tuberc** 49(1):347–50, 1974 **(Fre)**
[Significance of the tuberculin test in the early detection of renal tuberculosis] Lopatkine NA, et al. **Urol Int** 30(5):321–5, 1975 (Eng. Abstr.) **(Fre)**
[Correlation between results on intracutaneous, lymphocyte transformation tests and leukocyte migration inhibition tests with tuberculin] Lischka VG, et al. **Dermatol Monatsschr** 162(4):326–32, Apr 76 (Eng. Abstr.) **(Ger)**
[Significance of the tuberculin reaction from the current viewpoint] Ranft K, et al. **Dtsch Med Wochenschr** 101(36):1330–2, 3 Sep 76 **(Ger)**
[Allergic delayed reactions of the skin: the role of the antigen histotopy] Marghescu S, et al. **Hautarzt** 27(4):166–70, Apr 76 (Eng. Abstr.) **(Ger)**
[Tuberculin tests and BCG vaccinations using the jet injector in school children] Hasenbein R. **Oeff Gesundheitswes** 37 suppl 2:100–5, Apr 75 **(Ger)**
[Tuberculin testing of adults; a comparison between a modified patch test and intracutaneous tuberculin tests (author's transl)] Endres P, et al. **Prax Pneumol** 29(5):261–5, May 75 (Eng. Abstr.) **(Ger)**
[Editorial: The tuberculin reaction (author's transl)] Birkhäuser H. **Praxis** 64(19):575–7, 13 May 75 **(Ger)**
[Tuberculin test] Schmid PC. **Tieraerztl Prax** 4(1):133–8, 1976 **(Ger)**
[Studies of cellular sensitization to BCG and PPD using leukocyte cell migration inhibition] Lenzini L, et al. **Ann Sclavo** 17(5):660–7, SEP-OCT 75 (Eng. Abstr.) **(Ita)**
[Potency of a new type of PPD preparation for single dose (author's transl)] Tokunaga T, et al. **Kekkaku** 50(6):147–52, Jun 75 (Eng. Abstr.) **(Jpn)**
[Relationship between occurrence of negative conversion and tuberculin reactivity in lung disease due to Mycobacterium intracellulare (author's transl)] Tsukamura M. **Kekkaku** 51(3):71–3, Mar 76 (Eng. Abstr.) **(Jpn)**
[Letter: Tuberculin tests and cellular immunity] Boyum S. **Tidsskr Nor Laegeforen** 95(23):1324–5, 20 Aug 75 **(Nor)**
[Skin sensitivity to Battey and Kansasii sensitins in a selected rural population and in students. I. Simultaneous test of sensitivity to Battey sensitin and tuberculin RT-23] Krzyszkowska A, et al. **Pneumonol Pol** 44(5):429–40, May 76 (Eng. Abstr.) **(Pol)**
[Use of the Tine Test in the diagnosis of tuberculosis infection] Carvalho ES, et al. **Rev Assoc Med Bras** 21(9):270–2, Sep 75 (Eng. Abstr.) **(Por)**
[Comparative study of biological case findings made with 1 and with 2 units of PPD] Dobre V. **Rev Ig [Pneumoftiziol]** 24(4):203–8, Oct-Dec 75 (Eng. Abstr.) **(Rum)**
[Combination of radiophotographic and tuberculin detection in groups of young people] Rogoz I, et al. **Rev Ig [Pneumoftiziol]** 24(3):167–8, Jul-Sep 75 (Eng. Abstr.) **(Rum)**
[Comparative study of different methods of determination of tuberculin-fractional ESR] Akhmetkuzhin AA. **Lab Delo** (4):198–201, 1975 **(Rus)**
[Dynamics of sensitivity to tuberculin in children] Desiatovskii VA, et al. **Probl Tuberk** (7):8–12, 1975 (Eng. Abstr.) **(Rus)**
[Evaluation of the sensitizing action of tuberculin by the hyperergic skin reaction of the delayed type] Iablokova TB, et al. **Probl Tuberk** (7):70–4, 1975 (Eng. Abstr.) **(Rus)**
[Tuberculin sensitivity of school-age children with dynamic follow-up] Iakovlev NI. **Probl Tuberk** (21):7–9, Feb 76 (Eng. Abstr.) **(Rus)**
[Skin sensitivity to tuberculin in middle-aged and elderly persons] Iashchenko BP, et al. **Probl Tuberk** (12):12–6, 1975 (Eng. Abstr.) **(Rus)**
[Factors affecting tuberculin sensitivity in children and adolescents] Maslauskene TP. **Probl Tuberk** (7):5–8, 1975 (Eng. Abstr.) **(Rus)**
[Use of Mantoux test with 2 TE PPD-L for early detection of tuberculosis in children and adolescents] Ospanova Sla. **Probl Tuberk** (11):1–4, 1975 (Eng. Abstr.) **(Rus)**
[Tuberculin sensitivity in preschool children with the Mantoux test using 2 TU of PPD-D] Saleev AA, et al. **Probl Tuberk** (21):5–7, Feb 76 (Eng. Abstr.) **(Rus)**
[Diagnostic importance of provocative tuberculin test in renal tuberculosis during fractionating urinalysis] Pytel' IuA, et al. **Sov Med** (7):96–100, Jul 75 (Eng. Abstr.) **(Rus)**
[Tuberculous changes in the lungs and the state of tuberculin allergy in patients with diabetes mellitus according to the data of prophylactic examinations] Smurova TF. **Ter Arkh** 47(8):125–9, 1975 (Eng. Abstr.) **(Rus)**
[Diagnostic value of simultaneous tuberculin tests in osteo-articular tuberculosis (author's transl)] Maar D, et al. **Bratisl Lek Listy** 64(3):340–5, Sep 75 **(Slo)**
[Diagnostic value of simultaneous tuberculin tests in osteo-articular tuberculosis (author's transl)] Maar D, et al. **Bratisl Lek Listy** 64(3):340–5, Sep 75 (Eng. Abstr.) **(Slo)**
[Immunological aspects of tuberculosis. IV. In vitro production of LIF with a low dose of PPD] Amezcua Chavarría ME, et al. **Rev Invest Salud Publica** 35(3-4):197–203, Jul-Dec 75 (Eng. Abstr.) **(Spa)**
[Immunological aspects of tuberculosis. III. Cutaneous response to PPD and to sensitization with dinitrochlorobenze] Bernal Madrazo M de los A, et al. **Rev Invest Salud Publica** 35(3-4):187–96, Jul-Dec 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Letter: Allergic reaction to the tine test. Pierach CA, et al. **JAMA** 235(4):374, 26 Jan 76
[Letter: Unexplained consequence of 2 tuberculin intradermal reactions] Boiron H, et al. **Nouv Presse Med** 5(18):1212, 1 May 76 **(Fre)**
[Tuberculin allergy in BCG-vaccinated children (author's transl)] Luthardt T, et al. **Monatsschr Kinderheilkd** 123(9):637–42, Sep 75 (Eng. Abstr.) **(Ger)**

METHODS

[Mass tuberculin tests: are they really an efficient means of identifying the sources of infection?] Van Geuns HA. **Bull Int Union Tuberc** 49(1):222–6, 1974 **(Fre)**
[Simultaneous tuberculin testing with the Mendel-Mantoux and the patch test (author's transl)] Bauer W. **Prax Pneumol** 29(10):568–75, Oct 75 (Eng. Abstr.) **(Ger)**
[Specificity of human and bovine PPD, sensitization to atypical mycobacteria isolated from animals] de Kantor IN, et al. **Rev Asoc Argent Microbiol** 6(3):97–103, Sep-Dec 74 (Eng. Abstr.) **(Spa)**

STANDARDS

False tuberculin test results. Comstock GW. **Chest** 68(3 SUPPL):465–9, Sep 75
[Standardization of the tuberculin test with the help of a team from the International Center of Tuberculosis surveillance] Claiciu I. **Bull Int Union Tuberc** 49(1):161–3, 1974 **(Fre)**
[Validity of a tuberculin test 'the tine test'] Geubelle F, et al. **Rev Med Liege** 29(14):416–21, 15 Jul 74 **(Fre)**
[Specificity of the tuberculin reaction] Belen'kil' MS. **Zh Mikrobiol Epidemiol Immunobiol** (4):134–5, Apr 75 **(Rus)**

VETERINARY

Intravenous johnin and tuberculin tests in cattle vaccinated with Mycobacterium paratuberculosis cells and subsequently inoculated with Mycobacterium bovis. Kopecky KE, et al. **Am J Vet Res** 36(12):1727–9, Dec 75
Value of combining the erythrocyte sedimentation rate test with tuberculin testing in the control of tuberculosis in baboons. Tribe GW, et al. **Lab Anim** 10(1):39–46, Jan 76
A comparison of several intradermal tuberculins in Macaca mulatta during an epizootic of tuberculosis. McLaughlin RM, et al. **Lab Anim Sci** 26(1):44–50, Feb 76
Practical application of bovine tuberculin PPD in testing cattle in Great Britain. Lesslie IW, et al. **Vet Rec** 98(9):170–2, 28 Feb 76

TUBERCULIN-TYPE HYPERSENSITIVITY see **HYPERSENSITIVITY, DELAYED**

TUBERCULOMA

Multiple tuberculomas of the brain. Report of a case. Capon A, et al. **Acta Neurochir (Wien)** 32(3-4):303–12, 1975
Granulomatous pericarditis. Bell RL, et al. **J Tenn Med Assoc** 68(9):719, 722, Sep 75
[Peculiarities of the course of tuberculomas with degeneration] Olfebakh MI, et al. **Probl Tuberk** (6):41–3, 1975 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Complete atrio-ventricular block caused by tuberculoma of the inter-atrial septum. Histological analysis] Latour H, et al. **Arch Mal Coeur** 68(3):315–9, Mar 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Cerebral tuberculoma localized by EMI scan. Leibrock L, et al. **Surg Neurol** 5(5):305–6, May 76

SURGERY

Surgical treatment of 'tuberculoma'. A follow-up examination of patients with pulmonary tuberculosis resected on suspicion of tumour. Prytz S, et al. **Scand J Thorac Cardiovasc Surg** 10(2):179–82, 1976
[Solitary tuberculoma in the tendonous section of the m. quadriceps] János S, et al. **Magy Traumatol Orthop** 19(2):105–7, 1976 (Eng. Abstr.) **(Hun)**
[Successfully operated case of posterior fossa tuberculoma in childhood (author's transl)] Ottomo M, et al. **Neurol Surg (Tokyo)** 4(7):707–13, Jul 76 (Eng. Abstr.) **(Jpn)**

THERAPY

Tuberculoma of the choroid. Mortada A, et al. **Bull Ophthalmol Soc Egypt** 68:345–8, 1975

TUBERCULOSIS

Multiplication of Mycobacterium tuberculosis and Mycobacterium bovis in Microtus agrestis (field vole). Jespersen A. **Acta Pathol Microbiol Scand [B]** 84(1):57–60, Feb 76
Tuberculosis of the esophagus. Ito Y, et al. **Am J Gastroenterol** 65(5):454–6, May 76
Tuberculosis: the new challenge to the practicing clinician. Sbarbaro JA. **Chest** 68(3 SUPPL):436–43, Sep 75
Tuberculosis. Springett VH. **Community Health (Bristol)** 7(2):66–9, Oct 75
Two studies of comparative stigma: employer attitudes and practices toward rehabilitated convicts, mental and tuberculosis patients. Brand RC Jr, et al. **Community Ment Health J** 12(2):168–75, Summer 76
Diagnosis, prevention and early therapy of tuberculosis.

Mayock RL, et al. **DM** 22(8):1–60, May 76 (30 ref.)
Report of the task force assigned to consider the future of the New Jersey Hospital for Chest Diseases at Glen Gardner. Reichman LB. **J Med Soc NJ** 72(10):845–50, Oct 75
Letter: The 'mainstream of modern medicine' and contemporaneous re-appellation. Glasser D. **JAMA** 234(11):1117–8, 15 Dec 75
Tuberculosis of the tongue. Weaver RA. **JAMA** 235(22):2418, 31 May 76
History of the tuberculosis and diseases of the chest group. Shaw CH. **Public Health** 90(1):31–3, Nov 75
Tuberculosis of the breast. Gottschalk FA, et al. **S Afr J Surg** 14(1):19–22, Mar 76
Letter: Aorto-oesophageal fistula complicating tuberculous aortitis. Procter DS. **S Afr Med J** 50(28):1082, 3 Jul 76
Tuberculosis in Tanzania: a national sampling survey of drug resistance and other factors. **Tubercle** 56(4):269–94, Dec 75
[Tuberculous ulcer of the esophagus (author's transl)] de Witte C, et al. **Acta Gastroenterol Belg** 38(3–4):156–63, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Training of personnel for the 3 levels of action in tuberculosis control: organization and operational medicine, strictly medical tasks, and the tasks of medical auxiliaries] Fréour P. **Bull Int Union Tuberc** 49(1):271–2, 1974 **(Fre)**
[Future role of the tuberculosis specialist in countries with a low incidence of tuberculosis] Kilpatrick GS. **Bull Int Union Tuberc** 49(1):259–60, 1974 **(Fre)**
[Tuberculosis of the gallbladder. Apropos of 3 cases] Ziarek S, et al. **Med Chir Dig** 4(4):219–22, 1975 (Eng. Abstr.) **(Fre)**
[Tuberculosis of the breast] Najah S, et al. **Tunis Med** 53(3):197–8, May–Jun 75 **(Fre)**
[WHO-Expert Committe on Tuberculosis, Ninth Report. Technical Report Series No. 552; WHO, Geneva, 1974 (author's transl)] **Z Erkr Atmungsorgane** 143(2):162–93, May 75 **(Ger)**
[Editorial: Tuberculosis as a serious problem of public health] Levit T, et al. **Harefuah** 89(2):96–8, 15 Jul 75 **(Heb)**
[Edema, respiratory insufficiency, fever and pain of the right back: tuberculous mediastinal abscess and constrictive pericarditis] Akagami H, et al. **Jpn J Clin Med** Spec No:730–1, 1048–9, 10 Apr 75 **(Jpn)**
[Joint research on tuberculosis] **Kekkaku** 50(11):622–38, Dec 75 **(Jpn)**
[Tuberculosis in children] Niizu Y. **Kekkaku** 50(11):586–9, Dec 75 **(Jpn)**
[A study on cases of primary tuberculosis registered at the Health Centre (part II) (author's transl)] Takeda M. **Kekkaku** 50(7):209–14, Jul 75 (Eng. Abstr.) **(Jpn)**
[25th anniversary of the Department of Physiopathology of the National Tuberculosis Research Institute] Kowalski J, et al. **Pneumonol Pol** 44(7):681–3, Jul 76 **(Pol)**
[Tuberculosis of the parotid gland] Pop V, et al. **Rev Chir [Otorinolaringol]** 20(2):119–22, Apr–Jun 75 (Eng. Abstr.) **(Rum)**
[Principal results of the scientific study of the tuberculosis problem of in 1974] Khomenko AG, et al. **Probl Tuberk** (12):1–6, 1975 **(Rus)**
[Tuberculous lesion of the breast] Kovalenko IP, et al. **Probl Tuberk** (11):79–80, 1975 **(Rus)**
[Tuberculosis of the mouth mucosa] Kritskiĭ VN, et al. **Probl Tuberk** (4):82–3, 1975 **(Rus)**
[Principals of a program for training phthisiologists] Shebanov FV. **Probl Tuberk** (12):6–9, 1975 (Eng. Abstr.) **(Rus)**
[Achievements and perspectives of phthisiobronchology] Voznesenskiĭ AN. **Probl Tuberk** (9):16–9, 1975 **(Rus)**
[Isolated tuberculosis of the palatine tonsils] Skopintsev VT, et al. **Zh Ushn Nos Gorl Bolezn** (2):109–10, Mar–Apr 76 **(Rus)**
[Forms and instructions to register tuberculosis data in 1976] **Front Gastrointest Res** 2:221–54, 1976 **(Spa)**
[Oral tuberculosis (report of 2 cases)] Campos Rivera M, et al. **Med Cutan Iber Lat Am** 3(4):299–302, 1975 (Eng. Abstr.) **(Spa)**
[Natural history of tuberculosis: round table discussion] Sentíes R, et al. **Salud Publica Mex** 18(1):199–219, Jan–Feb 76 **(Spa)**

BLOOD

Isoniazid acetylator status of Black South African tuberculosis patients. Bach PH, et al. **S Afr Med J** 50(29):1132–4, 10 Jul 76
Letter: World anaesthesiology congress, Mexico city. Kleeberg H, et al. **S Afr Med J** 49(37):1504, 30 Aug 75
Tuberculosis and the blood — a special relationship? Cameron SJ. **Tubercle** 55(1):55–72, Mar 74

CLASSIFICATION

Topics in tuberculosis: diagnostic standards and classification of tuberculosis and other mycobacterial disease. Flynn JP, et al. **Md State Med J** 24(9):71–4, Sep 75

COMPLICATIONS

Editorial: Tuberculosis in corticosteroid-treated asthmatics. **Br Med J** 2(6030):266–7, 31 Jul 76
Letter: Nodular vasculitis of tuberculous origin in an elderly woman. Bartsokas SK, et al. **Br Med J** 1(6025):1592, 26 Jun 76
Tuberculosis of middle ear cleft. Puri ND, et al. **Indian J Med Sci** 29(2–3):71–3, Feb–Mar 75
Tuberculosis and the blood—a special relationship? Cameron SJ. **Tubercle** 55(1):55–72, Mar 74
[Facial paralysis and tuberculous otitis. Significance of early neural decompression] Legent F, et al. **Ann Otolaryngol Chir Cervicofac** 92(4–5):235–40, May–Jun 75 (Eng. Abstr.) **(Fre)**
[Labyrintho-facial syndrome and tuberculous otitis. A propos of 2 cases] Baron F, et al. **Rev Otoneuroophtalmol** 47(4):253–7, Jul–Sep 75 **(Fre)**
[Medullary tuberculosis recognized after 3 months of isolated fever in a chronic hemodialysis patient] Baglin A, et al. **Sem Hop Paris** 51(15):1025–7, 26 Mar 75 **(Fre)**
[Pancytopenic form of acute tuberculosis] Bernard JF, et al. **Sem Hop Paris** 51(37–38):2239–45, 10–20 Sep 75 (Eng. Abstr.) **(Fre)**
[Information obtained by liver biopsy in 100 tuberculous patients] Morere P, et al. **Sem Hop Paris** 51(31–34):2095–102, 10–20 Jul 75 (Eng. Abstr.) **(Fre)**
[Sarcoidosis and tuberculosis] Hosoda Y. **Kekkaku** 50(11):615–9, Dec 75 **(Jpn)**
[Nonspecific diseases of the otorhinolaryngologic organs in patients with tuberculosis and their treatment] Kitaevich AE. **Zh Ushn Nos Gorl Bolezn** (6):60–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Early diagnosis of diabetes in tuberculosis] Trpenov I. **God Zb Med Fak Skopje** 17:703–8, 1971 **(Ser)**

DIAGNOSIS

Further observations on tuberculin reactions in active tuberculosis. Rooney JJ Jr, et al. **Am J Med** 60(4):517–22, Apr 76
Tuberculin sensitivity in pregnancy. Present PA, et al. **Am Rev Respir Dis** 112(3):413–6, Sep 75
Letter: Acid-fast smears and tuberculosis. **Ann Intern Med** 83(3):429–31, Sep 75
Letter: Oral lesions in tuberculosis. Laws I. **Br Med J** 2(6026):45–6, 3 Jul 76
Miliary tuberculosis presenting with multifocal oral lesions. McAndrew PG, et al. **Br Med J** 1(6021):1320, 29 May 76
Micromethod of niacin test for clinical laboratory. Takahashi S. **Bull Int Union Tuberc** 49 suppl 1:311–2, Aug 74
The significance of isolating low numbers of mycobacterium tuberculosis in culture of sputum specimens. MacGregor RR, et al. **Chest** 68(4):518–23, Oct 75
Antigen study of Mycobacteria tuberculosis and BCG for detection of postvaccinal and infectious allergy. Mitinskaya LA. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):508–10, 1975
Diagnostic standards of tuberculosis—revised. Weg JG. **JAMA** 235(13):1329–30, 29 Mar 76
Short-course triple chemotherapy for diagnosis of tuberculosis. Farid Z, et al. **Lancet** 1(7966):973, 1 May 76
A comparative study of tuberculin tine and Mantoux tests. Freiman I, et al. **S Afr Med J** 50(1):5–7, 3 Jan 76
The detection of antibodies to Mycobacterium tuberculosis by microplate enzyme-linked immunosorbent assay (ELISA). Nassau E, et al. **Tubercle** 57(1):67–70, Mar 76
[Unusual localization of tuberculous infection] Metodiev B, et al. **Plucne Bolesti Tuberk** 27(3):175–7, Jul–Sep 75 (Eng. Abstr.) **(Cro)**
[Apropos of 3 cases of clinically primary bronchial tuberculosis] Scala G, et al. **Bronches** 25(4):270–8, Jul–Aug 75 **(Fre)**
[Identification of the sources of tuberculosis infection in countries with a low incidence of tuberculosis] Toman K. **Bull Int Union Tuberc** 49(1):208–21, 1974 **(Fre)**
[Bone marrow biopsy in the diagnosis of hematopoietic tuberculosis] Alterescu R, et al. **Sem Hop Paris** 51(44):2665–72, 9 Nov 75 (Eng. Abstr.) **(Fre)**
[Significance of the tuberculin reaction from the current viewpoint] Ranft K, et al. **Dtsch Med Wochenschr** 101(36):1330–2, 3 Sep 76 **(Ger)**
[Letter: Tuberculosis serology] Spiess H. **Dtsch Med Wochenschr** 100(42):2182–3, 17 Oct 75 **(Ger)**
[Possibilities of a quality control in the diagnosis of tuberculosis (author's transl)] Michl J, et al. **Immun Infekt** 3(1):32–5, Feb 75 (Eng. Abstr.) **(Ger)**
[Expert evaluation of tuberculous diseases] pp. 46–8. Freerksen E.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**
[Evaluation of tuberculosis as a public assistance disease] pp. 36–8. Nohl M.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**
[A study on primary tuberculosis cases registered at health centres (author's transl)] Takeda M. **Kekkaku** 50(6):169–80, Jun 75 (Eng. Abstr.) **(Jpn)**
[Acute disseminated tuberculosis imitating lupus erythematosus] Justyńska-Lukoska R. **Pneumonol Pol** 44(5):491–3, May 76 (Eng. Abstr.) **(Pol)**
[Skin sensitivity to Battey and Kansasii sensitins in a selected rural population and in students. I. Simultaneous test of sensitivity to Battey sensitin and tuberculin RT-23] Krzyszkowska A, et al. **Pneumonol Pol** 44(5):429–40, May 76 (Eng. Abstr.) **(Pol)**
[Use of the Tine Test in the diagnosis of tuberculosis infection] Carvalho ES, et al. **Rev Assoc Med Bras** 21(9):270–2, Sep 75 (Eng. Abstr.) **(Por)**
[Tracheobronchoscopy in differential diagnosis of bronchial tuberculosis] Kalachev VA. **Zh Ushn Nos Gorl Bolezn** (4):18–20, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Extension of the network of laboratories to suburban health centers] Sentíes VR, et al. **Salud Publica Mex** 18(1):47–79, Jan–Feb 76 (Eng. Abstr.) **(Spa)**
[A comparison of complete and incomplete antibodies by Middlebrook-Dubos, Boyden and Coombs hemagglutination tests in man] Mercangös F. **Mikrobiyol Bul** 10(2):189–202, Feb 76 (Eng. Abstr.) **(Tur)**

DRUG THERAPY

Chemotherapy of tuberculosis. Pinsker KL, et al. **Am J Hosp Pharm** 33(3):275–83, Mar 76 (37 ref.)
Chemotherapy and the practical delivery of treatment programs: discussion. **Bull Int Union Tuberc** 49 suppl 1:144–51, Aug 74
Chemotherapy and the practical delivery of treatment programs: discussion. **Bull Int Union Tuberc** 49 suppl 1:121–30, Aug 74
Experiences with rifampicin. Aquinas M. **Bull Int Union Tuberc** 49 suppl 1:272–5, Aug 74
Chemotherapy and practical delivery of treatment programmes. Aquinas M. **Bull Int Union Tuberc** 49 suppl 1:133–6, Aug 74
The impact of rifampicin on the treatment of tuberculosis. Bayliss CG. **Bull Int Union Tuberc** 49 suppl 1:140–3, Aug 74
Relapse in patients with tuberculosis. Campbell AH. **Bull Int Union Tuberc** 49 suppl 1:219–22, Aug 74
The role of the tuberculosis clinic nurse in the modern treatment and control of tuberculosis. Enright T. **Bull Int Union Tuberc** 49 suppl 1:95–7, Aug 74
Experiences with rifampicin. Mary Aquinas Sister. **Bull Int Union Tuberc** 49 suppl 1:137–9, Aug 74
A clinical and sociomedical study for defaulting tuberculosis treatment. Oh SB. **Bull Int Union Tuberc** 49 suppl 1:223–4, Aug 74
Patient assessment. Porter RM. **Bull Int Union Tuberc** 49 suppl 1:313–5, Aug 74
Experimental and clinical study on the antituberculous activity of tuberactinomycin-N, a new antibiotic. Toyoara M. **Bull Int Union Tuberc** 49 suppl 1:288–91, Aug 74
New drug regimens in the treatment of tuberculosis. Wolinsky E. **Bull NY Acad Med** 51(9):1096–1102, Oct 75
Intermittent chemotherapy of tuberculosis patients rapidly inactivating isoniazid. pp. 348–53. Hodgkin MM, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.
Rifampicin in clinical use. Morrison-Smith J. **J Antimicrob Chemother** 1(4):353–4, Dec 75
Drug resistance in tuberculosis. Prasad TR. **J Indian Med Assoc** 64(10):264–7, 16 May 75
Letter: Tuberculosis management. Sievers ML, et al. **JAMA** 235(21):2283–4, 24 May 76
Letter: Short-course chemotherapy of tuberculosis. **Lancet** 1(7955):358–9, 14 Feb 76
Letter: Short-course triple chemotherapy for tuberculosis. Singh RB, et al. **Lancet** 1(7949):39, 3 Jan 76
Letter: Short-course chemotherapy of tuberculosis. Werner GT, et al. **Lancet** 1(7949):38–9, 3 Jan 76
Proceedings: On the medical use of isoniazid. Kehler E. **Mutat Res** 29(2):258–9, Aug 75
Letter: Drug therapy of tuberculosis. Jenkins DW Jr. **N Engl J Med** 295(2):106–7, 8 Jul 76
Outpatient treatment of tuberculosis in unreliable alcoholic patients. Crocco JA, et al. **NY State J Med** 76(1):58–61, Jan 76
Tuberculosis. Chemoprophylaxis and treatment. McClement JH. **Postgrad Med** 58(3):97–101, Sep 75
The treatment of tuberculosis. Springett VH. **Practitioner** 215(1288):480–6, Oct 75
Proceedings: Latest results of East African/British Medical Research Council short course chemotherapy studies. Heffernan JF. **Tubercle** 56(2):165, Jun 75
[Current drugs against tuberculosis] Roosenburg JG. **Ned Tijdschr Geneeskd** 120(6):241–6, 7 Feb 76 **(Dut)**
[Current aspects in treatment of tuberculosis] Tala E. **Duodecim** 92(10):505–13, 1976 (Eng. Abstr.) **(Fin)**
[Effectiveness, during the 1st year, of 3 treatment durations] Krebs A. **Bull Int Union Tuberc** 49(1):327–32, 1974 **(Fre)**
[Organization of antitubercular therapy in areas with a low incidence of tuberculosis] Kreis B. **Bull Int Union Tuberc** 49(1):227–30, 1974 **(Fre)**
[Mass drug treatment program for tuberculosis in Cuba] Ochoa EG, et al. **Bull Int Union Tuberc** 49(1):129–138, 1974 **(Fre)**
[New drugs and present-day therapeutic methods in phthisiology] Chenebault J. **Maroc Med** 55(591):327–33, Jun 75 **(Fre)**
[In favor of an adapted isoniazid posology] Lesobre R, et al. **Sem Hop Ther** 51(4):277–9, Apr 75 **(Fre)**
[New developments in the chemotherapy of tuberculosis] pp. 183–4. Freerksen E.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

[Isoprodian in combination with ethambutol and rifampicin in the treatment of tuberculosis (author's transl)] Hoose C. **Prax Pneumol** 29(9):517–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Anti-Tuberculous therapy with rifampicin and ethambutol during pregnancy (author's transl)] Jentgens H. **Prax Pneumol** 30(1):42–5, Jan 76 (Eng. Abstr.) **(Ger)**

[Experiences with INHG-Na in the triple-drug-therapy of extrapulmonal tuberculoses (author's transl)] Krafft W. **Prax Pneumol** 30(1):46–50, Jan 76 (Eng. Abstr.) **(Ger)**

[The 50th Annual Meeting Symposium. II. Perspective review of 50 years experiences on clinical and epidemiological research. Part 2. Chemotherapy (author's transl)] **Kekkaku** 50(10):341–52, Oct 75 (Eng. Abstr.) **(Jpn)**

[Drug resistance of Mycobacterium (including clinical studies)] Fukuhara T. **Kekkaku** 51(5):158–60, May 76 **(Jpn)**

[A case of lingual tuberculosis in acute disseminated tuberculosis (author's transl)] Hirai H, et al. **Kekkaku** 51(6k0):257–61, 15 Jun 76 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of tuberculosis] Sunahara S. **Kekkaku** 50(11):528–34, Dec 75 **(Jpn)**

[Recent trend in chemotherapy of tuberculosis; a critical review (author's transl)] Sunahara S. **Kekkaku** 51(4):123–30, Apr 76 (11 ref.) **(Jpn)**

[Experimental studies on the anti-tuberculous effect of BB-K8 (author's transl)] Yamamoto K, et al. **Kekkaku** 50(8):235–9, Aug 75 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of tuberculosis patients in hospitals and outpatient clinics] Yamamoto K. **Kekkaku** 50(11):543–5, Dec 75 **(Jpn)**

[Treatment of tuberculosis] Vale JR. **Tidsskr Nor Laegeforen** 95(34–36):1991–2, 10 Dec 75 **(Nor)**

[Effect of the prolonged use of streptomycin as well as streptomycin in combination with tubazid on the bioelectrical activity of the brain in experimental tuberculosis] Aksel'rod LB, et al. **Antibiotiki** 21(7):636–42, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of splenin on protein-synthetising function of the liver during treatment of experimental tuberculosis with large doses of isoniazid] Afrikanov II, et al. **Probl Tuberk** (7):74–8, 1975 (Eng. Abstr.) **(Rus)**

[Pathochemical mechanisms of the development of side reactions to antibacterial preparations in patients with tuberculosis] Gur'eva IG, et al. **Probl Tuberk** (12):75–9, 1975 **(Rus)**

[Basic trends in the development of chemotherapy of tuberculosis] Khomenko AG. **Probl Tuberk** (7):20–6, 1975 (Eng. Abstr.) **(Rus)**

[Characteristics of changes in the hearing of patients with tuberculosis] Kolesova LI. **Probl Tuberk** (21):51–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the action of ethambutol in experimental tuberculosis] Kozulitsyna TI, et al. **Probl Tuberk** (7):70–5, Jul 76 (Eng. Abstr.) **(Rus)**

[Use of copper and cobalt in chemotherapy of tuberculosis] Sodikov ES, et al. **Probl Tuberk** (11):50–4, 1975 (Eng. Abstr.) **(Rus)**

[Effect of combinations of trace elements and vitamins in inositol metabolism and the morphohistochemical indices in the isoniazid treatment of experimental tuberculosis] Sodikov ES, et al. **Probl Tuberk** (7):75–9, Jul 76 (Eng. Abstr.) **(Rus)**

[Influence of various combinations of antitubercular agents on the course of experimental tuberculous infections and development of drug resistance] Durišić M, et al. **Glas Srp Akad Nauka [Med]** (26):17–23, 1975 **(Ser)**

[The effect of thymus extract on lymphocyte stimulation and experimental tuberculosis] Bloom G, et al. **Lakartidningen** 73(33):2665–70, 11 Aug 76 (Eng. Abstr.) **(Swe)**

[Cerebral electrical activity in experimental tuberculous intoxication under conditions of prolonged administration of streptomycin combined with ACTH and injections of placental extract] Aksel'rod LB, et al. **Fiziol Zh** 22(1):25–33, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

[Study of the antitubercular activity of synthetic organic compounds belonging to the group based on Shiff, oxine and anilides] Rotmistrov MM, et al. **Mikrobiol Zh** 37(3):385–6, May–Jun 75 (Eng. Abstr.) **(Ukr)**

ETIOLOGY

Letter: Tuberculosis and isoniazid in steroid-treated asthmatic patients. Epler GR, et al. **Ann Intern Med** 85(1):129–31, Jul 76

Letter: Tuberculosis after intestinal bypass surgery for obesity. Battershill JH. **Chest** 70(2):318, Aug 76

Tuberculosis after jejunoileal bypass for obesity. Pickleman JR, et al. **JAMA** 234(7):744, 17 Nov 75

[Tuberculosis in stock breeders caused by Mycobacterium bovis] Blagodarnyĭ IaA, et al. **Probl Tuberk** (10):72–5, 1975 **(Rus)**

[Degree of hazard presented by M. avium for farm animals and man] Rotov VI, et al. **Probl Tuberk** (9):72–4, 1975 (Eng. Abstr.) **(Rus)**

[Our experience with the tuberculous infection in children] Jokanović R, et al. **Srp Arh Celok Lek** 102(12):866–73, Dec 74 (Eng. Abstr.) **(Ser)**

HISTORY

Social policy and city politics: tuberculosis reporting in New York, 1889–1900. Fox DM. **Bull Hist Med** 49(2):169–75, Summer 75

The tuberculosis movement and the race question, 1890–1950. Torchia MM. **Bull Hist Med** 49(2):152–68, Summer 75

[Survey of major studies in the field of tuberculosis] Aoki K. **Kekkaku** 50(11):377–80, Dec 75 **(Jpn)**

[Allergy and immunity in tuberculosis] Hashimoto T. **Kekkaku** 50(11):474–8, Dec 75 **(Jpn)**

[Bacteriological studies of tuberculosis] Hori M. **Kekkaku** 50(11):394–401, Dec 75 **(Jpn)**

[Birth of the Japanese Society for Tuberculosis] Oka H. **Kekkaku** 50(11):369–70, Dec 75 **(Jpn)**

[Study of tuberculosis: an epidemiological aspect] Shigematsu I. **Kekkaku** 50(11):375–7, Dec 75 **(Jpn)**

[Memories of the Japanese Society for Tuberculosis] Toda T. **Kekkaku** 50(11):371, Dec 75 **(Jpn)**

[Antitubercular health services in Lublin during the occupation] Mysakowska H. **Przegl Lek** 33(1):142–9, 1976 **(Pol)**

[Social aspects of the fight against tuberculosis in Poland at the turn of the 19th and 20th centuries] Machalski J. **Wiad Lek** 28(17):1517–22, 1 Sep 75 **(Pol)**

IMMUNOLOGY

Resistance-enhancing compound from Mycobacterium tuberculosis. Hedgecock LW. **Am Rev Respir Dis** 112(5):633–8, Nov 75

Sensitivity to tuberculin and to a nonmammalian sensitin in Mandalay District, Burma. Nyunt T, et al. **Bull WHO** 52(1):63–7, 1975

Tuberculin sensitivity and skin lesions in children after vaccination with 11 different BCG strains. Vallishayee RS, et al. **Bull WHO** 51(5):489–94, 1974

Immunological memory in tuberculosis. I. Influence of persisting viable organisms. Lefford MJ, et al. **Cell Immunol** 14(3):417–28, Dec 74

Multiple skin testing of Kenyan schoolchildren with a series of new tuberculins. Paul RC, et al. **J Hyg (Camb)** 75(2):303–13, Oct 75

The ultrastructure of the strain BCG 725 cultivated on Sauton's medium with casein hydrolysate. Co-report the report "biochemistry of BCG lipids and their role in antituberculous immunity and hypersensitivity. Mohelská H. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):453–7, 1975

Present status of the antituberculous immunity. Oprescu CC. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):400–6, 1975

Transplantation of lymphocytes and immune lymphocytes in sarcoidosis and in malignant lymphadenomas. Kohout J. **Postgrad Med J** 51(596):396–8, Jun 75

Specific acquired resistance and activity of migration inhibition factor (MIF) in spleens of mice with chronic tuberculosis. Kvapilová M, et al. **Scand J Respir Dis** 56(6):305–11, 1975

Rifampicin effect on tuberculin hypersensitivity and humoral antibody response in tuberculous guinea-pigs. Algeorge G, et al. **Z Immunitaetsforsch** 144(5):459–66, Feb 73

Delayed type hypersensitivity and antituberculous immunity. Averbakh MM, et al. **Z Immunitaetsforsch** 147(3):204–16, Aug 74

[Anti-cord-factor antibody, a serum antibody which protects against tuberculosis] Kato M. **Bull Int Union Tuberc** 49(1):378–9, 1974 **(Fre)**

[Chemical structures and biological functions of mycobacterial cell walls with special reference to immunity against airborne infection by the strain M. tuberculosis H37Rv] Ribi E, et al. **Bull Int Union Tuberc** 49(1):366–77, 1974 **(Fre)**

[Immunity to infection. A problem still current] Lenzini L. **G Batteriol Virol Immunol** 67(7–12):308–16, Jul–Dec 74 **(Ita)**

[Lymphoid tissue in tuberculosis] Morikawa K. **Kekkaku** 50(11):469–71, Dec 75 **(Jpn)**

[Host sensitivity in tuberculosis] Ueda Y. **Kekkaku** 50(11):471–3, Dec 75 **(Jpn)**

[Immunity against Mycobacterium, with special reference to the experiments using BCG cell wall] Yamamoto K. **Kekkaku** 51(5):155–7, May 76 **(Jpn)**

[Antituberculosis immunity in adult thymectomized mice] Averbakh MM, et al. **Biull Eksp Biol Med** 81(6):719–21, Jun 76 (Eng. Abstr.) **(Rus)**

[Comparative experimental study of the sensitivity of the methods of isolation of tuberculosis antigen with the aid of an antiserum] Chernitskiĭ GI. **Lab Delo** (7):426–7, 1975 **(Rus)**

[Dynamics of sensitivity to tuberculin in children] Desiatovskiĭ VA, et al. **Probl Tuberk** (7):8–12, 1975 (Eng. Abstr.) **(Rus)**

[Effect of mycobacteriophages on the course of experimental tuberculosis in albino mice] Koz'min-Sokolov BN, et al. **Probl Tuberk** (4):75–9, 1975 (Eng. Abstr.) **(Rus)**

[Transfer to the leukocytes of neonates by means of the plasma of patients with tuberculosis and of healthy persons of the ability to depress migration under the influence of antigens of mycobacterium tuberculosis in vitro] Novikov DK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):114–9, Dec 75 (Eng. Abstr.) **(Rus)**

METABOLISM

[Studies on lipid composition of experimentally produced tuberculous lesions. 2. Experimental models using mouse peritoneal exudate cells (author's transl)] Kondo E, et al. **Kekkaku** 50(9):271–4, Sep 75 (Eng. Abstr.) **(Jpn)**

[Possibilities and goals of clinical biochemistry in tuberculosis] Gur'eva IG. **Probl Tuberk** (7):16–21, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of tuberculosis infection and antibacterial preparations on thiamine metabolism] Arkhipova OP. **Vopr Med Khim** 21(5):485–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Some bacteriologic aspects of the epidemiology of pulmonary and extrapulmonary tuberculosis. Siddiqi SH, et al. **Am J Epidemiol** 103(1):101–11, Jan 76

Inhalation of sodium chloride droplets with sputum production. Heyworth F. **Bull Int Union Tubere** 49 suppl 1:189–91, Aug 74

Atypical mycobacteria in a tuberculosis hospital. Gale GL. **Can Med Assoc J** 114(7):612–4, 3Apr 76

[Statistical evaluation of mycobacterium examinations 1962–1972 in the Landes-Medizinaluntersuchungsamt (M.U.A.), Kiel, with special consideration of frequency of examination, efficiency of examination methods, and 1.2 tuberculosis care cases] pp. 29–35. Sonntag HG. **In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentiaidiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973.** **(Ger)**

[Laboratory diagnosis of tuberculosis (author's transl)] Thiel U, et al. **Oeff Gesundheitswes** 37(10):619–22, Oct 75 (Eng. Abstr.) **(Ger)**

[A study of the PH phage susceptibility of M. tuberculosis isolated from tuberculosis patients (author's transl)] Sushida K, et al. **Kekkaku** 51(1):13–7, Jan 76 (Eng. Abstr.) **(Jpn)**

[Experimental tuberculosis] Yasuhira K. **Kekkaku** 50(11):461–3, Dec 75 **(Jpn)**

[Action of mycobacteriophages in experimental tuberculosis] Gel'berg SI, et al. **Probl Tuberk** (4):70–4, 1975 (Eng. Abstr.) **(Rus)**

MORTALITY

[Reduction of the mortality rate in traffic accidents in 1974 compared with the mortality rate in tuberculosis and with infant death] Hemminki K, et al. **Duodecim** 91(19):1130–5, 1975 (Eng. Abstr.) **(Fin)**

[Mortality figures as proof of the socio-economic importance of diseases] Steinbrück PW. **Z Aerztl Fortbild (Jena)** 70(11):603–10, 1 Jun 76 **(Ger)**

[Mortality from tuberculosis and the average life expectancy in Poland] Klonowicz S. **Pneumonol Pol** 44(5):421–8, May 76 (Eng. Abstr.) **(Pol)**

[Dynamics of age-sex peculiarities of mortality from tuberculosis of the urban population from 1959 to 1973] Zakopallo GG. **Probl Tuberk** (6):13–5, 1975 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The risk of tuberculous infection in Saskatchewan. Fayers PM, et al. **Bull Int Union Tuberc** 50(1):62–9, 1975

Proceedings: Tuberculosis in the Western Pacific Region: Papua-New Guinea. Kila-Wari. **Bull Int Union Tubere** 49 suppl 1:29, Aug 74

The association of the risk of tuberculous infection with age. Sutherland I, et al. **Bull Int Union Tubere** 50(1):70–81, 1975

Tuberculosis in the Western Pacific Region. Tao JC. **Bull Int Union Tuberc** 49 suppl 1:18–23, Aug 74

The yield from mass tuberculin testing of unvaccinated children and adolescents. van Geuns HA, et al. **Bull Int Union Tubere** 50(1):82–9, 1975

The risk of tuberculous infection in Norway. Waaler H, et al. **Bull Int Union Tubere** 50(1):5–61, 1975

A simple simulation model of tuberculosis epidemiology for use without large-scale computers. Azuma Y. **Bull WHO** 52(3):313–22, 1975

The relevance of studies of tuberculosis in Eskimos to antituberculous program planning. pp. 334–41. Grzybowski S, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Mycobacteriosis: incidence in Jamaican basic school children. Williams B, et al. **J Natl Med Assoc** 68(1):39–41, 33, Jan 76

Letter: Absence of tuberculosis in dialysis patients. Freeman R, et al. **JAMA** 233(13):1356, 29 Sep 75

Tuberculosis in the Potteries 1971–74. Prowse K, et al. **Lancet** 2(7981):357–9, 14 Aug 76

Tuberculosis in indigenous Australians. Abrahams EW. **Med J Aust** 2(4 Suppl):Suppl 23–7, 20–27 Dec 75

Letter: Ethiopia. Davey MG. **Med J Aust** 2(4):153, 26 Jul 75

Letter: Epidemiology of tuberculosis in Canada. Ashley MJ. **N Engl J Med** 293(17):880, 23 Oct 75

High incidence of extrapulmonary tuberculosis in a general teaching hospital. Smith DL, et al. **NC Med J** 36(8):480–3, Aug 75

Epidemiological trends of tuberculosis in low and high prevalence countries. Bleiker MA. **Paedistr Indones** 15(11–12):273–85, Nov–Dec 75

Present effectiveness of BCG vaccination in England and Wales. A report from the Research Committee of the British Thoracic and Tuberculosis Association. **Tubercle** 56(2):127–47, Jun 75

Proceedings: Surveillance of tuberculosis in Sweden. Hillerdal O. **Tubercle** 56(2):163–4, Jun 75
The risk of tuberculous infection in Sweden. Sjögren I, et al. **Tubercle** 56(2):97–112, Jun 75
Studies of tuberculosis in man in relation to infection in cattle. Sjögren I, et al. **Tubercle** 56(2):113–27, Jun 75
Proceedings: Transmission of tubercle bacilli: with particular reference to Mycobacterium bovis. Sjögren I, et al. **Tubercle** 56(2):164, Jun 75
Proceedings: Tuberculosis in the United Kingdom and Sweden. Springett VH. **Tubercle** 56(2):163, Jun 75
[Stubborn misconceptions about tuberculosis] van Geuns HA. **Ned Tijdschr Geneeskd** 120(29):1266–7, 17 Jul 76 **(Dut)**
[Study of the prevalence of tubercular infection in children (author's transl)] Golli V. **Acta Tuberc Pneumol Belg** 66(4–5):325–38, Jul–Oct 75 (Eng. Abstr.) **(Fre)**
[Epidemiological trends in countries with a low incidence of tuberculosis] Bleiker MA. **Bull Int Union Tuberc** 49(1):140–8, 1974 **(Fre)**
[The tuberculosis situation at the beginning of this century] Iwasaki T. **Bull Int Union Tuberc** 49(1):30–51, 1974 **(Fre)**
[Calculation of the risk of infection and predictions based on the results of standard tuberculin tests in France (application of the TSRU model)] Lotte A, et al. **Bull Int Union Tuberc** 49(1):149–57, 1974 **(Fre)**
[BCG vaccination policy in countries with a low incidence of tuberculosis] Steinbrück PW. **Bull Int Union Tuberc** 49(1):166–70, 1974 **(Fre)**
[BCG vaccination policies as a function of the epidemiological situation] Waaler H, et al. **Bull Int Union Tuberc** 49(1):181–206, 1974 **(Fre)**
[Extrapulmonary tuberculosis] El Gharbi B, et al. **Tunis Med** 52(6):291–6, Nov–Dec 74 **(Fre)**
[Tuberculin index of a group of pupils aged 6 years, natives of Tunis] Nacef T, et al. **Tunis Med** 52(6):323–6, Nov–Dec 74 **(Fre)**
[Tuberculin immunity of hospital personnel: incidence and clinical significance according to professional status, BCG vaccination, and contact with the Koch bacillus] Charbonneau R, et al. **Union Med Can** 104(6):976–80, Jun 75 (Eng. Abstr.) **(Fre)**
[Letter: Hazards of reinfection in tuberculosis] Jentgens H. **Dtsch Med Wochenschr** 101(16):629–30, 16 Apr 76 **(Ger)**
[Results of tuberculosis tests in Bavarian schools] pp. 21–8. Blaha H, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**
[Patient records in the framework of tuberculosis service] pp. 39–45. Lange F.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**
[Tuberculosis in Brazil] Silveira J. **Munch Med Wochenschr** 118(35):1109–10, 27 Aug 76 **(Ger)**
[Tuberculosis in developing countries compared to europe (author's transl)] Styblo K. **Munch Med Wochenschr** 118(35):1103–8, 27 Aug 76 (Eng. Abstr.) **(Ger)**
[An epidemiological study of tuberculosis in Kolin (CSSR) (author's transl)] Neumann G. **Prax Pneumol** 29(8):470–3, Aug 75 (Eng. Abstr.) **(Ger)**
[Current information on the epidemiology and clinical aspects of tuberculosis] Matzel W, et al. **Z Aerztl Fortbild (Jena)** 70(2):71–5, 15 Jan 76 **(Ger)**
[Current problems of urogenital tuberculosis in general practice] Bálint J. **Orv Hetil** 117(24):1456–9, 13 Jun 76 **(Hun)**
[Tuberculosis in Nepal—tuberculosis in a developing country and its control —a case study] Iwamura N. **Kekkaku** 50(9):283–9, Sep 75 **(Jpn)**
[Skin sensitivity to tuberculin in middle-aged and elderly persons] Iashchenko BP, et al. **Probl Tuberk** (12):12–6, 1975 (Eng. Abstr.) **(Rus)**
[Dynamics of the incidence of non-pulmonary tuberculosis in Volgograd over the period of 5 years (1968–1972)] Komochkov AV. **Probl Tuberk** (4):7–11, 1975 (Eng. Abstr.) **(Rus)**
[Incidence of tuberculosis among rural population caused by contact with infected animals] Bassarab VI, et al. **Vrach Delo** (7):106–7, Jul 75 (Eng. Abstr.) **(Rus)**
[Age and sex characteristics of tuberculosis incidence among urban population during the period 1959–1971] Zakopailo GG. **Vrach Delo** (5):11–3, May 75 **(Rus)**
[Is tuberculosis an important health problem in Chile?] Rojas Stolze L. **Rev Med Chil** 103(4):285–6, Apr 75 **(Spa)**
[Epidemiological situation of tuberculosis in Mexico] Olvera Castillo R, et al. **Salud Publica Mex** 18(1):13–33, Jan–Feb 76 (Eng. Abstr.) **(Spa)**
[Tuberculosis among employees and students in health care] Bodlund O. **Lakartidningen** 72(47):4630, 19 Nov 75 **(Swe)**

PATHOLOGY

Peripheral nervous system involvement in experimental tuberculosis. Mauss H. **Pathol Microbiol (Basel)** 42(2):103–9, 1975
[Report on a case of hematogenous bilateral tuberculosis of the tonsils] Bersi S. **Pathologica** 67(967–968):251–6, May–Jun 75 (Eng. Abstr.) **(Ita)**
[Pathological and anatomical studies of tuberculosis] Iwasaki T. **Kekkaku** 50(11):501–3, Dec 75 **(Jpn)**
[Granulation of epithelioid cells and ceseation] Yasuhira K. **Kekkaku** 50(11):467–8, Dec 75 **(Jpn)**
[Tuberculosis in the course of leukemia] Skotnicki A. **Patol Pol** 26(3):397–407, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Lysosome response to tuberculosis infection, evaluated on the basis of their cathepsic activity and the degradation of tuberculoproteins] Kanai K. **Bull Int Union Tuberc** 49(1):382–4, 1974 **(Fre)**
[Unified concept of tuberculosis in man] Stead WW. **Bull Int Union Tuberc** 49(1):344–6, 1974 **(Fre)**

PREVENTION & CONTROL

A Bayesian approach to health project estimation. Chasse JD. **Am J Public Health** 66(8):747–54, Aug 76
Letter: The competing risks of tuberculosis and hepatitis for adult tuberculin reactors. Moulding TS. **Am Rev Respir Dis** 112(4):581–2, Oct 75
Editorial: BCG vaccination. **Br Med J** 4(5997):603–4, 13 Dec 75
Benefits and costs of the schools' BCG vaccination programme. Stilwell JA. **Br Med J** 1(6016):1002–4, 24 Apr 76
Community participation in tuberculosis control. **Bull Int Union Tuberc** 49 suppl 1:198–204, Aug 74
BCG programme in the Republic of Singapore. Chew CH. **Bull Int Union Tuberc** 49 suppl 1:164–6, Aug 74
The planning of national tuberculosis programs. Hitze KL. **Bull Int Union Tuberc** 49 suppl 1:101–10, Aug 74
Proceedings: Tuberculosis in the Western Pacific Region: Australia. Howells G. **Bull Int Union Tuberc** 49 suppl 1:23–4, Aug 74
Proceedings: BCG in Taiwan. Hsing CT. **Bull Int Union Tuberc** 49 suppl 1:161, Aug 74
BCG programme in Korea. Kim SC. **Bull Int Union Tuberc** 49 suppl 1:162–3, Aug 74
Experiences with BCG vaccination in Indonesia. Kusnadi H. **Bull Int Union Tuberc** 49 suppl 1:169–72, Aug 74
Korean Tuberculosis program. Lee CS. **Bull Int Union Tuberc** 49 suppl 1:113–4, Aug 74
Proceedings: Tuberculosis in the Western Pacific Region: Pakistan. Mahmood V. **Bull Int Union Tuberc** 49 suppl 1:25–6, Aug 74
Proceedings: Tuberculosis in the Western Pacific Region: India. Menon NK. **Bull Int Union Tuberc** 49 suppl 1:27, Aug 74
B.C.G. vaccination practices in Australia. Proust AJ. **Bull Int Union Tuberc** 49 suppl 1:175–7, Aug 74
Proceedings: Tuberculosis in the Western Pacific Region: Malaysia. Sodhy JS. **Bull Int Union Tuberc** 49 suppl 1:28–9, Aug 74
BCG vaccination in the control of tuberculosis and the organisation of a national BCG vaccination programme. Tao JC. **Bull Int Union Tuberc** 49 suppl 1:154–60, Aug 74
The world tuberculosis problem. Thomson DR. **Bull Int Union Tuberc** 49 suppl 1:15–7, Aug 74
BCG in Papua—New Guinea. Wigley SC. **Bull Int Union Tuberc** 49 suppl 1:173–4, Aug 74
Tuberculosis control. Wiswanathan R. **Bull Int Union Tuberc** 49 suppl 1:116–9, Aug 74
BCG vaccination programme in Japan. Yamaguchi M. **Bull Int Union Tuberc** 49 suppl 1:167–8, Aug 74
Proceedings: Tuberculosis in the Western Pacific Region: Taiwan. Yang. **Bull Int Union Tuberc** 49 suppl 1:25, Aug 74
Factors affecting the immunizing activity of ribosomal fractions isolated from Mycobacterium tuberculosis var. bovis strain BCG. Portelance V, et al. **Can J Microbiol** 21(10):1492–9, Oct 75
The organisation of tuberculosis service in the Midlands of Rhodesia (1963–1972). Davies JC. **Cent Afr J Med** 22(4):74–8, Apr 76
Tuberculosis today. Furcolow ML, et al. **Chest** 68(3 SUPPL):435, Sep 75
Who recommendations for BCG. **Clin Pediatr (Phila)** 15(2):175, FEB 76
The importance of antituberculous vaccination in later phases of a successful antituberculous programme. Krebs A. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):425–31, 1975
BCG revisited. Lattimore WC, et al. **J Med Soc NJ** 72(12):1047–9, Dec 75
Letter: Screening for tuberculosis in patients with pneumoconiosis. Farer LS. **Lancet** 1(7955):359, 14 Feb 76
When we give prophylactic INH. Gongaware T. **Med Times** 104(7):59, Jul 76
Tuberculosis and its control in Indonesia. Gunardi AS. **Paediatr Indones** 15(11–12):315–32, Nov–Dec 75
Tuberculosis studies in Muscogee County, Georgia. Twenty-year evaluation of a community trial of BCG vaccination. Comstock GW, et al. **Public Health Rep** 91(3):276–80, May–Jun 76
Effectiveness of mass radiophotographic examinations in tuberculosis control. Part I. Development of mass radiophatographic examination in Poland. Leowski J, et al. **Sante Publique (Bucur)** 18(1):73–81, 1975
Chemoprophylaxis for the prevention of tuberculosis in the immunosuppressed renal allograft recipient. Thomas PA Jr, et al. **Transplantation** 20(1):76–7, Jul 75
'Tubercle' and the International Union against Tuberculosis. **Tubercle** 56(2):161–2, Jun 75
Impact of BCG vaccination programmes in children and young adults on the tuberculosis problem. Styblo K, et al. **Tubercle** 57(1):17–43, Mar 76
[Quarterly data on tuberculin testing and BCG vaccination] **World Health Stat Rep** 29(1):21–5, 1976 **(Eng, Fre)**
[The fight against tuberculosis in Belgium (author's transl)] Gyselen A. **Acta Tuberc Pneumol Belg** 66(1–2):84–111, Jan–Apr 75 (Eng. Abstr.) **(Dut, Fre)**
[Development of the fight against tuberculosis in the Netherlands] Hilvering C. **Acta Tuberc Pneumol Belg** 66(1–2):36–42, Jan–Apr 75 **(Dut)**
[The fight against tuberculosis in the Netherlands (author's transl)] Meijer J. **Acta Tuberc Pneumol Belg** 66(1–2):49–56, Jan–Apr 75 (Eng. Abstr.) **(Dut)**
[Is prophylactic administration of isoniazide still justified?] Offerhaus L. **Ned Tijdschr Geneeskd** 120(18):793–4, 1 May 76 **(Dut)**
[Prevention of tuberculosis in mining areas. The experience of the Nord and the Pas-de-Calais basin (author's transl)] Amoudru C, et al. **Acta Tuberc Pneumol Belg** 66(1–2):128–37, Jan–Apr 75 (Eng. Abstr.) **(Fre)**
[The fight against tuberculosis in France (author's transl)] Bourdeix J. **Acta Tuberc Pneumol Belg** 66(1–2):70–83, Jan–Apr 75 (Eng. Abstr.) **(Fre)**
[The fight against tuberculosis in West-Germany (author's transl)] Lukas W. **Acta Tuberc Pneumol Belg** 66(1–2):58–69, Jan–Apr 75 (Eng. Abstr.) **(Fre)**
[50 years fight against tuberculosis in Belgium] Millet M. **Acta Tuberc Pneumol Belg** 66(1–2):27–35, Jan–Apr 75 **(Fre)**
[Evaluation of five years work carried out by the coordination commission for the prevention of tuberculosis in the area of liege (author's transl)] Reginster-Haneuse GM. **Acta Tuberc Pneumol Belg** 66(1–2):138–42, Jan–Apr 75 (Eng. Abstr.) **(Fre)**
[Development of the fight against tuberculosis in France] Ribet M. **Acta Tuberc Pneumol Belg** 66(1–2):43–6, Jan–Apr 75 **(Fre)**
[Data, indications and useful modalities for the fight against tuberculosis in low-incidence countries] Daddi G. **Bull Int Union Tuberc** 49(1):231–3, 1974 **(Fre)**
[Fight against tuberculosis in the Arab Republic of Egypt] Gharabli AE. **Bull Int Union Tuberc** 49(1):118–28, 1974 **(Fre)**
[Fight against tuberculosis, an integral part of general health programs in Japan] Kakurai S. **Bull Int Union Tuberc** 49(1):12–29, 1974 **(Fre)**
[Fight against tuberculosis in Viet Nam] Le-ba-Tung. **Bull Int Union Tuberc** 49(1):98–111, 1974 **(Fre)**
[Education and training of medical students and physicians in relation to tuberculosis control programs] Monekosso GL. **Bull Int Union Tuberc** 49(1):273–6, 1974 **(Fre)**
[Health programs and new pathways of economic and social development] Ruderman AP. **Bull Int Union Tuberc** 49(1):54–61, 1974 **(Fre)**
[Epidemiological indices for the planning, supervision, and evaluation of antituberculosis programs] Styblo K, et al. **Bull Int Union Tuberc** 49(1):74–83, 1974 **(Fre)**
[Experience in the development of health services for an integrated antituberculosis program] Wright J. **Bull Int Union Tuberc** 49(1):86–91, 1974 **(Fre)**
[Education and training of medical personnel in tuberculosis control] Yamamoto M. **Bull Int Union Tuberc** 49(1):277–80, 1974 **(Fre)**
[Epidemiology and prevention of tuberculous contamination in bacteriology laboratories. Results of a survey on 23 laboratories] Carbonnelle B, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):417–28, Oct–Dec 75 (Eng. Abstr.) **(Fre)**
[Letter: Preventive tuberculostatic therapy] Jentgens H. **Dtsch Med Wochenschr** 100(39):1997, 26 Sep 75 **(Ger)**
[Tuberculin allergy in BCG-vaccinated children (author's transl)] Luthardt T, et al. **Monatsschr Kinderheilkd** 123(9):637–42, Sep 75 (Eng. Abstr.) **(Ger)**
[Current status and future tasks of tuberculosis control in the German Federal Republic] Bartmann K. **Oeff Gesundheitswes** 37 suppl 2:89–95, Apr 75 **(Ger)**
[Current problems in tuberculosis control from the viewpoint of worker's compensation insurance] Heuer U. **Oeff Gesundheitswes** 37 suppl 2:96–9, Apr 75 **(Ger)**
[Current problems of tuberculosis control from the viewpoint of the Deutsche Zentralkomitee zur Bekämpfung der Tuberkulose] Lock W. **Oeff Gesundheitswes** 37 suppl 2:81–8, Apr 75 **(Ger)**
[The role of the tuberculosis officer in the local authority health service (author's transl)] Heyer E. **Prax Pneumol** 29(12):685–7, Dec 75 (Eng. Abstr.) **(Ger)**
[Reorganization of anti-tuberculosis work in the German Federal Republic (author's transl)] Lock W. **Prax Pneumol** 29(11):660–3, Nov 75 (Eng. Abstr.) **(Ger)**
[The results of tubereulin testing in a medical ward (author's transl)] Ranft K, et al. **Prax Pneumol** 30(8):503–8, Aug 76 (Eng. Abstr.) **(Ger)**
[Consideration on cost-social benefit in disease control] Iwasaki T. **Jpn J Thorac Dis** 13(3):141–2, Mar 75 **(Jpn)**
[Mass screening of tuberculosis] Aoki M. **Kekkaku** 50(11):382–4, Dec 75 **(Jpn)**
[Management of tuberculosis] Shimao T. **Kekkaku** 50(11):389–92, Dec 75 **(Jpn)**
[Tuberculosis control in the Railroad Health Services] Kwiekowa A, et al. **Gruzlica** 43(8):705–12, Aug 75 (Eng. Abstr.) **(Pol)**

[Prospects for phthisiatry and pneumology] Krakówka P. **Pneumonol Pol** 44(1):3–10, 1976 **(Pol)**

[Tuberculosis, lung diseases and pneumology] Leowski J. **Pneumonol Pol** 44(1):11–3, 1976 **(Pol)**

[Current indications for chemoprophylaxis (report)] Claiciu I, et al. **Rev Ig [Pneumoftiziol]** 25(2):79–83, Apr–Jun 76 **(Rum)**

[Basic trends of antituberculosis work under modern conditions] Oifebakh MI, et al. **Klin Med (Mosk)** 53(12):14–9, Dec 75 **(Rus)**

[Antituberculosis measures at cattle-breeding farms] Aleksandrov NA. **Probl Tuberk** (6):15–7, 1975 (Eng. Abstr.) **(Rus)**

[Successes in the control of tuberculosis in the Tadzhik SSR] Bitsoev BM. **Probl Tuberk** (7):9–11, Jul 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of tuberculosis in children and adolescents immunized with the BCG vaccine] Bugaeva MI, et al. **Probl Tuberk** (11):5–8, 1975 (Eng. Abstr.) **(Rus)**

[Experience in the control of tuberculosis in the Pskov district] Filatova LA, et al. **Probl Tuberk** (12):10–2, 1975 (Eng. Abstr.) **(Rus)**

[Course of tuberculosis in DNA immunization] Gedymin LE, et al. **Probl Tuberk** (6):76–9, 1975 (Eng. Abstr.) **(Rus)**

[Work experience in tuberculosis control in Vizhnitsa District, Chernovtsy Province] Malko-Skroz' VP. **Probl Tuberk** (7):7–9, Jul 76 (Eng. Abstr.) **(Rus)**

[Present-day tuberculosis control among children] Mitinskaia LA. **Probl Tuberk** (7):1–5, 1975 (Eng. Abstr.) **(Rus)**

[Comprehensive vaccination against tuberculosis and other infections] Agafonov VI, et al. **Voen Med Zh** (3):42–5, Mar 76 **(Rus)**

[Role of sanitary education in the prevention of tuberculosis among the troops] Slepnev AN. **Voen Med Zh** (7):75, Jul 75 **(Rus)**

[Biologic effect of atypical mycobacteria against a background of BCG vaccination] Iablokova TB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):123–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Changes in the cytokinetics of Mott's cells following sensitization to BCG under conditions of preliminary treatment of rats with soluble antigens of Mycobacterium tuberculosis] Kovalevskiĭ GV. **Zh Mikrobiol Epidemiol Immunobiol** (11):50–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Development and achievements of tuberculosis and respiratory disease control in Czechoslovakia in the last 30-years] Virsík K, et al. **Cas Lek Cesk** 114(33):1001–2, 15 Aug 75 (Eng. Abstr.) **(Slo)**

[Vaccines. V. Present status of BCG vaccination] Fernández de Castro J. **Gac Med Mex** 111(4):271–8, Apr 76 **(Spa)**

[Lepromatous leprosy after BCG vaccination] Texier L, et al. **Med Cutan Iber Lat Am** 3(5):381–2, 1975 (Eng. Abstr.) **(Spa)**

[The importance of BCG vaccination in Mexico] Cano Pérez G. **Salud Publica Mex** 17(5):597–611, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

[Considerations on the teaching of phthisiology] Esquivel E, et al. **Salud Publica Mex** 18(1):191–7, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Tuberculosis of the breast. Tabár L, et al. **Radiology** 118(3):587–9, Mar 76

REHABILITATION

[Round table discussion on 'Current standards for the reintegration of the tuberculosis patient in normal life] pp. 121–39.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

THERAPY

Tuberculosis hospitalization program. Dandoy S. **Ariz Med** 32(11):890–1, Nov 75

The role of the tuberculosis clinic nurse in the modern treatment and control of tuberculosis. Boland P. **Bull Int Union Tuberc** 49 suppl 1:84–94, Aug 74

Proceedings: Social and cultural factors in treatment of tuberculosis. Maddison D. **Bull Int Union Tuberc** 49 suppl 1:33–4, Aug 74

The role of sanatoria in the treatment of tuberculosis. Mahmood V. **Bull Int Union Tuberc** 49 suppl 1:216–8, Aug 74

Religious and cultural barriers to treatment. Roy RN. **Bull Int Union Tuberc** 49 suppl 1:43–6, Aug 74

Defaulter and abscondee: a Melanesian miscellany. Wari K, et al. **Bull Int Union Tuberc** 49 suppl 1:51–60, Aug 74

Tuberculosis of the hip. Treatment with closed irrigation and suction using streptomycin. De Velasco Polo G, et al. **Clin Orthop** (110):154–6, Jul–Aug 75

The management of tuberculosis during pregnancy. Weinstein L, et al. **Clin Perinatol** 1(2):395–405, Sep 74 (49 ref.)

Follow-up of tuberculosis patients treated largely as out-patients. Dutt AK, et al. **J Arkansas Med Soc** 73(2):100–1, Jul 76

Tuberculosis in a community hospital. A five-year review. Furey WW, et al. **JAMA** 235(2):168–71, 12 Jan 76

Tuberculosis management in the mid-1970s. McConville JH, et al. **JAMA** 235(2):172–6, 12 Jan 76

[The ambulatory treatment] van Geuns HA. **Acta Tuberc Pneumol Belg** 66(1–2):56–7, Jan–Apr 75 **(Dut)**

[Psychology of tuberculosis patients] Fukatsu K. **Kekkaku** 50(11):596–600, Dec 75 **(Jpn)**

[Natural history of tuberculosis. III. Fate of untreated persons] Olakowski T. **Pneumonol Pol** 44(7):649–62, Jul 76 (Eng. Abstr.) **(Pol)**

[Considerations on the teaching of phthisiology] Esquivel E, et al. **Salud Publica Mex** 18(1):191–7, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

TRANSMISSION

[Primary infection and recurrence of tuberculosis] Chiba Y. **Kekkaku** 50(11):384–8, Dec 75 **(Jpn)**

[Host-parasite relationship in the transmission of tuberculosis] Kanai K. **Kekkaku** 50(11):478–80, Dec 75 **(Jpn)**

[Morbidity and primary infection rate of persons having familial contact with patients with scanty bacilli secretions] Rudoĭ NM, et al. **Probl Tuberk** (6):4–7, 1975 (Eng. Abstr.) **(Rus)**

VETERINARY

Isolation and identification of mycobacteria from porcine tissues: a three-year summary. Thoen CO, et al. **Am J Vet Res** 36(9):1383–6, Sep 75

Cerebral tuberculosis in a rhesus monkey. Machotka SV, et al. **J Am Vet Med Assoc** 167(7):648–50, 1 Oct 75

A perspective of simian tuberculosis in the United States–1972. Kaufmann AF, et al. **J Med Primatol** 4(5):278–86, 1975

Value of combining the erythrocyte sedimentation rate test with tuberculin testing in the control of tuberculosis in baboons. Tribe GW, et al. **Lab Anim** 10(1):39–46, Jan 76

A comparison of several intradermal tuberculins in Macaca mulatta during an epizootic of tuberculosis. McLaughlin RM, et al. **Lab Anim Sci** 26(1):44–50, Feb 76

Tuberculosis in a herd of Axis deer (Axis axis) at Whipsnade Park. Jones DM, et al. **Vet Rec** 98(26):525–6, 26 Jun 76

[Occurrence of tuberculosis in zoo mammals; a critical evaluation of autopsy material from 1970 to the beginning of 1974] von Benten K, et al. **Dtsch Tieraerztl Wochenschr** 82(8):316–8, 5 Aug 75 (Eng. Abstr.) **(Ger)**

TUBERCULOSIS, AVIAN

Mycobacterium avium infection in three rhesus monkeys. Sesline DH, et al. **J Am Vet Med Assoc** 167(7):639–45, 1 Oct 75

[Avian tuberculosis in a horse (author's transl)] Dolfijn EK, et al. **Tijdschr Diergeneeskd** 100(11):616–7, 1 Jun 75 (Eng. Abstr.) **(Dut)**

[A case of avian tuberculosis with exudative characteristics in a horse (author's transl)] Van Dijk JE, et al. **Tijdschr Diergeneeskd** 100(11):604–15, 1 Jun 75 (Eng. Abstr.) **(Dut)**

[Epidemiological importance of contacts with poultry infected with tuberculosis] Averina EP, et al. **Probl Tuberk** (10):14–7, 1975 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Experimentally induced Mycobacterium avium serotype 8 infection in swine. Thoen CO, et al. **Am J Vet Res** 37(2):177–81, Feb 76

IMMUNOLOGY

The specificity and sensitivity of the fluorescent antibody test in cattle experimentally infected with Mycobacterium avium and Mycobacterium johnei. Gilmour NJ, et al. **Res Vet Sci** 20(1):6–9, Jan 76

MICROBIOLOGY

Pulmonary infection caused by niacin-positive Mycobacterium avium. Zvetina JR, et al. **Am Rev Respir Dis** 113(6):885–7, Jun 76

Isolation of Mycobacterium avium serotype 3 from a white-headed tree duck (Dendrocygna viduata). Thoen CO, et al. **Avian Dis** 20(3):587–92, Jul–Sep 76

[Studies on avian strains isolated from chickens] Pelczarska B, et al. **Pneumonol Pol** 44(5):441–4, May 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Swine lymphadenitis due to Mycobacterium avium and atypical Mycobacteria. I. Pathological studies. Szabó I, et al. **Acta Vet Acad Sci Hung** 25(1):67–76, 1975

TRANSMISSION

Swine lymphadenitis due to Mycobacterium avium and atypical Mycobacteria. II. Studies on the role of littering in mycobacterial lymphadenitis incidence in large-scale pig units. Szabó I, et al. **Acta Vet Acad Sci Hung** 25(1):77–83, 1975

[Degree of hazard presented by M. avium for farm animals and man] Rotov VI, et al. **Probl Tuberk** (9):72–4, 1975 (Eng. Abstr.) **(Rus)**

[Incidence of tuberculosis among rural population caused by contact with infected animals] Bassarab VI, et al. **Vrach Delo** (7):106–7, Jul 75 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, BOVINE

Effect of systemic BCG infection in syrian golden hamsters. Zwilling BS, et al. **Infect Immun** 14(1):271–6, Jul 76

DIAGNOSIS

Intravenous johnin and tuberculin tests in cattle vaccinated with Mycobacterium paratuberculosis cells and subsequently inoculated with Mycobacterium bovis. Kopecky KE, et al. **Am J Vet Res** 36(12):1727–9, Dec 75

Letter: TB testing. **Vet Rec** 98(11):225–6, 13 Mar 76

Practical application of bovine tuberculin PPD in testing cattle in Great Britain. Lesslie IW, et al. **Vet Rec** 98(9):170–2, 28 Feb 76

[Specificity of human and bovine PPD, sensitization to atypical mycobacteria isolated from animals] de Kantor IN, et al. **Rev Asoc Argent Microbiol** 6(3):97–103, Sep–Dec 74 (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Degree of hazard presented by M. avium for farm animals and man] Rotov VI, et al. **Probl Tuberk** (9):72–4, 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Fatal disseminated BCG infection. An investigation of the immunodeficiency. Passwell J, et al. **Am J Dis Child** 130(4):433–6, Apr 76

The indirect fluorescent antibody test for the detection of circulating antibodies in bovine tuberculosis. Lepper AW, et al. **Aust Vet J** 51(5):256–61, May 75

Enhancement activity of anti-mycobacterial sera in experimental Mycobacterium bovis (BCG) infection in mice. Forget A, et al. **Infect Immun** 13(5):1301–6, May 76

Restoration of T-cell responsiveness by thymosin: development of antituberculous resistance in BCG-infected animals. Morrison NE, et al. **Infect Immun** 13(2):554–63, Feb 76

Turnover of tritiated-thymidine-labeled mononuclear cells in tuberculous lesions of rabbits: a comparison of primary dermal BCG lesions and those of reinfection. Ando M, et al. **Proc Soc Exp Biol Med** 151(3):491–4, Mar 76

MICROBIOLOGY

[Koch's bacillus in the blood and muscle of tuberculous cattle] Blancou J, et al. **Rev Elev Med Vet Pays Trop** 29(1):11–5, 1976 (Eng. Abstr.) **(Fre)**

[Characteristics of tubercular lesions in the Malagasy zebu. Origin. Distribution. Correlations] Cheneau Y, et al. **Rev Elev Med Vet Pays Trop** 29(1):11–5, 1976 (Eng. Abstr.) **(Fre)**

[Interspecies circulation of Mycobacteria] Tuzova RV. **Probl Tuberk** (7):66–70, 1975 (Eng. Abstr.) **(Rus)**

[Bovine tuberculosis, isolation of mycobacteria from cattle] Olvera Castillo R, et al. **Salud Publica Mex** 18(1):115–23, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

OCCURRENCE

An epizootic of bovine tuberculosis in Georgia. Johnson DC, et al. **J Am Vet Med Assoc** 167(9):833–7, 1 Nov 75

Studies of tuberculosis in man in relation to infection in cattle. Sjögren I, et al. **Tubercle** 56(2):113–27, Jun 75

[Incidence of tuberculosis in a group of buffaloes (Bubalus rubalis var. Rubalis-Linneus, 1758) in the Estado de São Paulo] Portugal MA, et al. **Arq Inst Biol (Sao Paulo)** 38(4):231–8, Oct–Dec 71 (Eng. Abstr.) **(Por)**

PATHOLOGY

[Morphology and pathogenesis of BCG histiocytosis] pp. 49–60. Kaiserling E.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**

PHYSIOPATHOLOGY

[Replacement and activation of macrophages in tuberculous lesions. Relationship with delayed hypersensitivity and cellular immunity] Dannenberg AM Jr, et al. **Bull Int Union Tuberc** 49(1):380–1, 1974 **(Fre)**

[Lysosome response to tuberculosis infection, evaluated on the basis of their cathepsic activity and the degradation of tuberculoproteins] Kanai K. **Bull Int Union Tuberc** 49(1):382–4, 1974 **(Fre)**

PREVENTION & CONTROL

[Comparative values of live or killed BCG and trypsinized Koch's bacillus in the immunization of zebu against tuberculosis] Cheneau Y, et al. **Rev Elev Med Vet Pays Trop** 28(1):1–7, 1975 (Eng. Abstr.) **(Fre)**

[Tasks of the veterinary service in eliminating animal tuberculosis and brucellosis] **Veterinariia** (4):1–5, Apr 75 **(Rus)**

[Let us strengthen veterinary and sanitary measures against brucellosis and tuberculosis] Iskhakov OZ. **Veterinariia** (4):6–8, Apr 75 **(Rus)**

[Effectiveness of different methods of eliminating tuberculosis

from farms] Kovanda SI, et al. **Veterinariia** (4):44–7, Apr 75 **(Rus)**

TRANSMISSION

[Antituberculosis measures at cattle-breeding farms] Aleksandrov NA. **Probl Tuberk** (6):15–7, 1975 (Eng. Abstr.) **(Rus)**

[Incidence of tuberculosis among rural population caused by contact with infected animals] Bassarab VI, et al. **Vrach Delo** (7):106–7, Jul 75 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, CARDIOVASCULAR

Granulomatous pericarditis. Bell RL, et al. **J Tenn Med Assoc** 68(9):719, 722, Sep 75

[Acute and chronic secreting pericarditides] **Lille Med** 21(3):215–33, Mar 76 **(Fre)**

COMPLICATIONS

Acute anuric renal failure secondary to tuberculous aortitis of the thoracic aorta. Sellers AL, et al. **JAMA** 236(12):1384–5, 20 Sep 76

Aorto-oesophageal fistula complicating tuberculous aortitis. A case report. Robbs JV, et al. **S Afr Med J** 50(18):702–4, 24 Apr 76

Tuberculous renal artery aneurysm: a case report. Robbs JV, et al. **S Afr Med J** 50(19):731–5, 1 May 76

[Complete atrio-ventricular block caused by tuberculoma of the inter-atrial septum. Histological analysis] Latour H, et al. **Arch Mal Coeur** 68(3):315–9, Mar 75 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Polyserositis and pericarditis in Melanesians with considerations on the evolution of tuberculous infection in man. Wigley SC. **Papua New Guinea Med J** 17(3):274–7, Sep 74

TUBERCULOSIS, CUTANEOUS

The tender, red nodules of the skin syndrome. Goldman GC. **J Fla Med Assoc** 63(1):37–41, Jan 76

Cutaneous tuberculosis in children. Saul A. **Mod Probl Paediatr** 17:221–7, 1975

COMPLICATIONS

[Is the lupus miliaris disseminatus of tuberculous origin?] Simon N. **Hautarzt** 26(12):625–30, Dec 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Tuberculosis cutis ulcerosa. Speelman G. **Arch Belg Dermatol** 30(4):279–81, Oct-Dec 74

Proceedings: Cutaneous tuberculosis of the nose with unusual clinical and histological features leading to delay in diagnosis. Warin AP, et al. **Br J Dermatol** 95 Suppl 24:15–6, Jul 76

Miliary Tuberculosis Presenting with skin lesions. Kennedy C, et al. **Br Med J** 3(5979):356, 9 Aug 75

Primary tuberculous complex of the skin. Pereira CA, et al. **JAMA** 235(9):942, 1 Mar 76

Tuberculous lupus miliaris faciei. Baker H. **Proc R Soc Med** 69(1):18, Jan 76

DRUG THERAPY

[Treatment of skin tuberculosis with HINA preparations under ambulatory conditions] Agapkin IN. **Vestn Dermatol Venerol** (7):71–5, Jul 75 (Eng. Abstr.) **(Rus)**

[A case of tuberculosis verrucosa] de las Obras JM, et al. **Actas Dermosifiliogr** 66(7–8):419–20, Jul-Aug 75 **(Spa)**

ETIOLOGY

[Tuberuclosis luposa cutis] Meisel C. **Z Hautkr** 49(20):895–6, 15 Oct 74 **(Ger)**

[Generalized disseminated tuberculosis verrucosa after BCG vaccination] Măläescu G, et al. **Rev Ig [Pneumoftiziol]** 24(4):245–7, Oct-Dec 75 **(Rum)**

IMMUNOLOGY

[Defense mechanisms against tuberculosis infection in the immune host. The interrelation between activated macrophages and 14C-labeled BCG in primary BCG lesions and those of reinfection (author's transl)] Ando M, et al. **Kekkaku** 50(6):153–60, Jun 75 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Microbiology of cutaneous tuberculosis. Sharma RC, et al. **Tubercle** 56(4):324–8, Dec 75

PATHOLOGY

Mononuclear cell turnover in chronic inflammation: studies on tritiated thymidine-labeled cells in blood, tuberculin traps, and dermal BCG lesions of rabbits. Tsuda T, et al. **Am J Pathol** 83(2):255–68, May 76

TRANSMISSION

Letter: Transmission of tuberculosis. Glassroth JL. **JAMA** 236(14):1578, 4 Oct 76

TUBERCULOSIS, ENDOCRINE

DIAGNOSIS

[Thyroid tuberculosis] Zwykielski G, et al. **Pol Przegl Chir** 48(7):889–91, Jul 76 (Eng. Abstr.) **(Pol)**

[Tuberculosis of the breast] Sawicz-Birkowska K, et al. **Wiad Lek** 28(23):1931–3, 1 Dec 75 (Eng. Abstr.) **(Pol)**

TUBERCULOSIS, FEMALE GENITAL

[Fertility in cases of tubercular adnexitis] Minucci D, et al. **Riv Ital Ginecol** 56(2):79–86, Mar 75 (Eng. Abstr.) **(Ita)**

[Vulvar tuberculosis] Peña G, et al. **Rev Chil Obstet Ginecol** 38(2):67–75, 1973 **(Spa)**

BLOOD

[Sodium, potassium and calcium in the blood serum during the menstrual cycle in women with genital tuberculosis] Ivanova Kh. **Akush Ginekol (Sofiia)** 14(4):293–8, 1975 (Eng. Abstr.) **(Bul)**

COMPLICATIONS

Puerperal tuberculosis. Garrioch DB. **Br J Clin Pract** 29(10):280–1, Oct 75

An unusual case of tuberculous endometritis associated with hyponatraemia in an adult Nigerian. Abioye AA. **West Indian Med J** 25(2):67–72, Jun 76

[Isolated tortion of the fallopian tube. Report on a recurrent tortion of a hematosalpinx due to genital tuberculosis (author's transl)] Huhn FO, et al. **Geburtshilfe Frauenheilkd** 36(7):598–602, Jul 76 (Eng. Abstr.) **(Ger)**

[Mature intraligamentary pregnancy with florid salpingitis tuberculosa (author's transl)] Zieger G, et al. **Geburtshilfe Frauenheilkd** 36(3):265–70, Mar 76 (Eng. Abstr.) **(Ger)**

[Problem of the pathogenesis and clinical picture of meno-metrorrhagia in women with pot-tuberculous changes in the genitalia] Buliénko SD. **Pediatr Akush Ginekol** (5):50–2, 1975 **(Ukr)**

DIAGNOSIS

Gential tuberculosis. Incidence and clinical features. Bacteriological vs. histological diagnosis. pp. 37–41. Neves-E-Castro M, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Tuberculosis of the cervix: cytology as an aid to diagnosis. Misch KA, et al. **J Clin Pathol** 29(4):313–6, Apr 76

Problems in the early diagnosis of genital tuberculosis. Puraviappan A, et al. **Med J Malaysia** 30(3):202–5, Mar 75

[Granulating and bleeding 'tumor' of the cervix uteri] Cheikh TB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):408–9, 1972 **(Fre)**

[2 cases of female genital tuberculosis discovered by laparotomy] Tanić D. **Med Arh** 29(4):297–9, Jul-Aug 75 (Eng. Abstr.) **(Ser)**

DRUG THERAPY

Gynaecological tuberculosis, past, present and future. Sutherland AM. **Arch Gynaekol** 218(4):261–8, 30 Oct 75

The treatment of tuberculosis of the female genital tract with streptomycin, PAS and isoniazid. Sutherland AM. **Tubercle** 57(2):137–44, Jun 76

[Ethambutol-I.N.H. combination in a single administration in the treatment of female genital tuberculosis] Hernández Cabrera J, et al. **Ginecol Obstet Mex** 39(232):121–7, Feb 76 (Eng. Abstr.) **(Spa)**

[Prevention and treatment of female genital tuberculosis] Segovia S. **Rev Chil Obstet Ginecol** 39(4):131–42, 1974 **(Spa)**

ETIOLOGY

Female genital tuberculosis. Schaefer G. **Clin Obstet Gynecol** 19(1):223–39, Mar 76

[Iatrogenic provocation in female genital tuberculosis free of symptoms] Kardos F. **Zentralbl Gynaekol** 98(7):433–6, 1976 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Late recurrence of female genital tuberculosis] Török J, et al. **Zentralbl Gynaekol** 98(7):437–40, 1976 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Morphology of tuberculosis of the fallopian tubes (author's transl)] Hatvany T, et al. **Bratisl Lek Listy** 64(3):312–20, Sep 75 (Eng. Abstr.) **(Slo)**

[Morphology of tuberculosis of the fallopian tubes (author's transl)] Hatvany T, et al. **Bratisl Lek Listy** 64(3):312–20, Sep 75 (Eng. Abstr.) **(Slo)**

[Histomorphological changes in the endometrium in tuberculous infection] Diukareva NA. **Pediatr Akush Ginekol** (4):53–6, Jul-Aug 75 **(Ukr)**

PHYSIOPATHOLOGY

[Function of the ovaries and adrenal glands in patients with genital tuberculosis] Bulienko SD. **Akush Ginekol (Mosk)** (12):19–22, Dec 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Latent genital tuberculosis in the hysterosalpingographic picture] Alenkovski D, et al. **God Zb Med Fak Skopje** 17:315–22, 1971 **(Ser)**

THERAPY

[Recent advances in the treatment of female genital tuberculosis] Sánchez Contreras J. **Ginecol Obstet Mex** 38(227):187–99, Sep 75 (Eng. Abstr.) **(Spa)**

TUBERCULOSIS, GASTROINTESTINAL

Tuberculous appendicitis. Patel PA. **Br J Clin Pract** 29(4):87–90, Apr 75

Gastrointestinal tuberculosis. Wales JM, et al. **Br J Dis Chest** 70(1):39–57, Jan 76

Tuberculous stricture of duodenum. Deshpande SG, et al. **J Indian Med Assoc** 65(11):306–7, 1 Dec 75

Ileocaecal tuberculosis. Connaughton FW, et al. **Med J Aust** 2(4):133–5, 26 Jul 75

Hypertrophic colonic tuberculosis. Thomas WM, et al. **Med J Aust** 1(12):401–2, 20 Mar 76

Tuberculosis of the abdomen in Ibadan: a clinico-pathological review. Lewis EA, et al. **Tubercle** 56(2):149–55, Jun 75

Tuberculous enteritis. Hill GS Jr, et al. **West J Med** 124(6):440–5, Jun 76

[Fever, emaciation, diarrhea and emotional distress: intestinal tuberculosis] Kurokawa T, et al. **Jpn J Clin Med** Spec No:734–5, 1054–7, 10 Apr 75 **(Jpn)**

COMPLICATIONS

Tuberculous bowel perforations. Asraf SM, et al. **Am J Proctol** 26(6):47–51, Dec 75

Letter: Occult perforations. Mandal BK, et al. **Br Med J** 1(6015):963, 17 Apr 76

Tuberculosis ileocolitis in an adult patient with nonrotation of the midgut: report of a case. Mehta M, et al. **Dis Colon Rectum** 19(4):366–71, May-Jun 76

Acute tuberculous perforation of the small intestine. Prakash A, et al. **Int Surg** 60(8):397–8, Aug 75

[Multiple intestinal perforations revealing a polyvisceral tuberculosis] Toure P, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):120–2, 1975 **(Fre)**

[Colonic cancer complicating tuberculosis of the colon] Fuyuno S, et al. **Jpn J Gastroenterol** 72(8):987–91, Aug 75 (Eng. Abstr.) **(Jpn)**

[Inflammatory tumors of the small intestine. Case of ileus caused by tuberculous stenosis] Sobocki S, et al. **Pneumonol Pol** 44(2):163–6, Feb 76 (Eng. Abstr.) **(Pol)**

[Perforative peritonitis as a complication of abdominal tuberculosis] Mamedov KB. **Vestn Khir** 116(2):77–80, Feb 76 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Ano-rectal tuberculosis simulating carcinoma. Gupta AS, et al. **Am J Proctol** 27(1):33–8, Feb 76

Ileocaecal tuberculosis. Prakash A, et al. **Aust NZ J Surg** 45(4):371–5, Nov 75

Primary gastric tuberculosis: a case report. Page RE, et al. **Br J Surg** 62(8):618–20, Aug 75

Problems in distinguishing tuberculosis of bowel from Crohn's disease in Asians. Burke GJ, et al. **Br Med J** 4(5993):395–7, 15 Nov 75

Letter: Tuberculosis of the colon. Taylor I, et al. **Br Med J** 2(6032):422, 14 Aug 76

Primary tuberculosis of stomach (a case report). Talib SH, et al. **J Assoc Physicians India** 23(4):291–3, Apr 75

Abdominal tuberculosis in Britain. Mandal BK, et al. **Practitioner** 216(1296):683–9, Jun 76

[Proceedings: A case of tuberculosis of the biliary tract] Rampal M, et al. **Arch Fr Mal App Dig** 64(3):288–9, Apr-May 75 **(Fre)**

[Letter: Stenotizing tuberculosis of the left colon] Butel J, et al. **Nouv Presse Med** 4(39):2807, 15 Nov 75 **(Fre)**

[Fever, emaciation and chronic diarrhea: solitary tuberculosis of the intestine] Kobayashi J, et al. **Jpn J Clin Med** Spec No:732–3, 1050–3, 10 Apr 75 **(Jpn)**

[Crohn's disease of the ileum and tuberculosis] Bartnik W, et al. **Pol Arch Med Wewn** 55(1):71–8, Jan 76 (Eng. Abstr.) **(Pol)**

[Intestinal tuberculosis in present-day clinical practice] Terekhova TG, et al. **Probl Tuberk** (10):52–5, 1975 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Intestinal disaccharidases in intestinal tuberculosis. Gupta RC, et al. **J Indian Med Assoc** 64(10):262–4, 16 May 75

METABOLISM

Bile salt metabolism in intestinal tuberculosis increased glycine: taurine ratio of conjugated bile salts. Desai HG, et al. **Indian J Med Res** 63(12):1767–73, Dec 75

MICROBIOLOGY

Abdominal tuberculosis: demonstration of tubercle bacilli in tissues and experimental production of hyperplastic enteric lesions. Das P, et al. **Br J Surg** 62(8):610–7, Aug 75

OCCURRENCE

Intestinal tuberculosis. **JPMA** 25(8):191–2, Aug 75
Intestinal tuberculosis. **JPMA** 25(8):191–2, Aug 75
Intestinal tuberculosis. Ahmed M. **JPMA** 25(8):197–204, Aug 75
Intestinal tuberculosis. Ahmed M. **JPMA** 25(8):197–204, Aug 75

PATHOLOGY

Abdominal tuberculosis with special reference to pathological aspects. Vasantha VC, et al. **J Indian Med Assoc** 65(11):302–3, 1 Dec 75

RADIOGRAPHY

Intestinal and peritoneal tuberculosis: report of two cases. Fräki O, et al. **Dis Colon Rectum** 18(8):685–93, Nov–Dec 75
Tuberculosis of the colon simulating carcinoma. McDonald JB, et al. **Radiology** 118(2):293–4, Feb 76

SURGERY

[Surgical aspects of abdominal tuberculosis] Le Peltier P, et al. **Chirurgie** 100(12):865–72, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**
[Pseudo-surgical aspects of intestino-peritoneal tuberculosis] Najah S, et al. **Tunis Med** 53(3):199–202, May–Jun 75 **(Fre)**

TUBERCULOSIS, HEPATIC

COMPLICATIONS

[Splenic rupture in the course of hepatosplenic and lymph node tuberculosis] Bentata M, et al. **Bull Soc Pathol Exot** 68(2):159–64, Mar–Apr 75 **(Fre)**

DIAGNOSIS

Abdominal tuberculosis in Britain. Mandal BK, et al. **Practitioner** 216(1296):683–9, Jun 76

RADIOGRAPHY

[Arteriography in a case of pseudotumoral tuberculosis of the liver] Bigot JM, et al. **Ann Radiol (Paris)** 18(7):751–6, Nov 75 **(Fre)**
[Angiographic findings in primary miliary hepatic tuberculosis (author's transl)] Rémond A, et al. **J Radiol Electrol Med Nucl** 57(1):7–11, Jan 76 (Eng. Abstr.) **(Fre)**

TUBERCULOSIS IN CHILDHOOD

Recent status of tuberculosis in children in Japan. Fukushima K. **Bull Int Union Tuberc** 49 suppl 1:78–9, Aug 74
Proceedings: Bronchoscopy in children. Price CG. **Bull Int Union Tuberc** 49 suppl 1:73, Aug 74
Tuberculosis in Black children. A retrospective analysis of severe cases. Freiman I, et al. **S Afr Med J** 49(39):1591–4, 13 Sep 75
[Ten years of school-health care and fight against tuberculosis (author's transl)] Gyselen A. **Acta Tuberc Pneumol Belg** 65(5):421–8, Sep–Oct 74 (Eng. Abstr.) **(Dut)**
[Subjective view of their illness in hospitalized children with medical forms of extrapulmonary tuberculosis] De Sario PN. **Minerva Pediatr** 27(3):129–38, 4 Feb 75 (Eng. Abstr.) **(Ita)**
[Tuberculin sensitivity of school-age children with dynamic follow-up] Iakovlev NI. **Probl Tuberk** (21):7–9, Feb 76 (Eng. Abstr.) **(Rus)**
[Chemotherapy and chemoprevention of tuberculosis in children under condition of a sanatorium-boarding school] Kalabukha VA. **Probl Tuberk** (10):7–11, 1975 (Eng. Abstr.) **(Rus)**
[Clinical course of pulmonary tuberculosis in adolescents revaccinated with BCG by intradermal method] Kornetova NV. **Probl Tuberk** (7):26–30, 1975 (Eng. Abstr.) **(Rus)**
[Characteristics of epidemiology and clinical aspects of tuberculosis among the natives of Taimir] Shchutskaia EI, et al. **Probl Tuberk** (11):11–3, 1975 (Eng. Abstr.) **(Rus)**
[Natural history of tuberculosis: round table discussion] Senties R, et al. **Salud Publica Mex** 18(1):199–219, Jan–Feb 76 **(Spa)**

COMPLICATIONS

[Forms of intrathoracic tuberculosis in adolescents and their connection with primary infection] Lebedeva LV, et al. **Probl Tuberk** (10):26–30, 1975 (Eng. Abstr.) **(Rus)**
[Detection of lesions of the bronchial tree in children and adolescents with tuberculosis] Shapoval NM, et al. **Probl Tuberk** (7):46–51, 1975 (Eng. Abstr.) **(Rus)**
[State of the bronchi in children and adolescents with metatuberculous pneumosclerosis at remote follow-up periods] Mitinskaia LA, et al. **Vopr Okhr Materin Det** 20(12):43–6, Dec 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Proceedings: Diagnosis of childhood tuberculosis by the medical practitioner. Pelenkahu TB, et al. **Bull Int Union Tuberc** 49 suppl 1:80–2, Aug 74
Letter: Tuberculins old or purified. **Indian Pediatr** 12(6):520–4, Jun 75
Letter: Use of BCG in place of tuberculin to identify human tuberculous infection. Gothi GD. **Indian Pediatr** 12(6):524–5, Jun 75
Tuberculin test: its diagnostic significance. Sarkar U, et al. **Indian Pediatr** 13(2):135–41, Feb 76
A review of 150 cases of tuberculosis in children. Sarma OA, et al. **Indian Pediatr** 13(2):143–6, Feb 76
Letter: Use of BCG in place of tuberculin to identify human tuberculous infection. Udani PM. **Indian Pediatr** 13(2):158–60, Feb 76
Undiagnosed primary tuberculosis as a possible major cause of a high infant/child mortality rate. Dommisse J Jr. **J Trop Pediatr** 21(6):307–10, Dec 75
Diagnosis of pulmonary tuberculosis in children. Santosa G. **Paediatr Indones** 15(11–12):286–96, Nov–Dec 75
[Old and new aspects of childhood tuberculosis (author's transl)] Berger H. **Paediatr Paedol** 11(1):46–55, 1976 (Eng. Abstr.) **(Ger)**
[Comparative study of biological case findings made with 1 and with 2 units of PPD] Dobre V. **Rev Ig [Pneumoftiziol]** 24(4):203–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[Aspects of tuberculosis at puberty (notes on 2 cases)] Grinberg I, et al. **Rev Ig [Pneumoftiziol]** 25(1–2):43–6, Jan–Mar 76 **(Rum)**
[Use of the reaction of basophil degranulation for diagnosis of childhood tuberculosis] Shubskaia OI. **Lab Delo** (8):468–70, 1975 **(Rus)**
[Use of Mantoux test with 2 TE PPD-L for early detection of tuberculosis in children and adolescents] Ospanova SIa. **Probl Tuberk** (11):1–4, 1975 (Eng. Abstr.) **(Rus)**
[Tuberculin sensitivity in preschool children with the Mantoux test using 2 TU of PPD-D] Saleev AA, et al. **Probl Tuberk** (21):5–7, Feb 76 (Eng. Abstr.) **(Rus)**
[Bacteriological diagnosis of tuberculosis in childhood] de Marchesini LS, et al. **Bol Of Sanit Panam** 79(2):131–5, Aug 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Comparative study of antitubercular drugs in the management of primary complex. Bhatia P, et al. **Indian Pediatr** 12(12):1197–203, Dec 75
[Therapy of tuberculosis with Rifampicin in childhood (author's transl)] Simon K. **Med Klin** 70(25):1095–7, 20 Jun 75 (Eng. Abstr.) **(Ger)**
[Role of pyridoxine in an express method of intensive intravenous treatment of tuberculosis] Bondarev IM, et al. **Probl Tuberk** (7):34–8, 1975 (Eng. Abstr.) **(Rus)**
[Remote results of treatment of destructive forms of pulmonary tuberculosis in children and adolescents] Kamenetskaia RA, et al. **Probl Tuberk** (7):43–6, 1975 (Eng. Abstr.) **(Rus)**
[Effectiveness of tuberculin therapy of adolescents with pulmonary tuberculosis] Krylov VA. **Probl Tuberk** (10):3–7, 1975 (Eng. Abstr.) **(Rus)**
[Elimination of drug allergy in the chemotherapy of tuberculosis in children] Piataeva EV, et al. **Probl Tuberk** (21):47–51, Feb 76 (Eng. Abstr.) **(Rus)**
[State of the organ of vision in adolescents undergoing long-term treatment with HINA preparations] Gabbasov RA. **Vestn Oftalmol** (6):45–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Puerperal tuberculosis. Garrioch DB. **Br J Clin Pract** 29(10):280–1, Oct 75

FAMILIAL & GENETIC

A family outbreak of tuberculosis in Bristol in 1973 with two cases of tuberculous meningitis. Corner BD, et al. **Tubercle** 55(2):99–103, Jun 74

IMMUNOLOGY

[Some clinical details concerning the relations between asthma and tuberculosis] Velcovici D, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(2):147–52, Apr–Jun 76 (Eng. Abstr.) **(Rum)**
[Evaluation of the phagocytic activity of the blood leukocytes in children with intrathoracic tuberculosis] Lebedeva TG, et al. **Probl Tuberk** (21):43–7, Feb 76 (Eng. Abstr.) **(Rus)**
[Factors affecting tuberculin sensitivity in children and adolescents] Maslauskene TP. **Probl Tuberk** (7):5–8, 1975 (Eng. Abstr.) **(Rus)**

METABOLISM

[Role of calcium pantothenate in vitamin B requirement of children with tuberculosis] Kirpichev MP, et al. **Probl Tuberk** (7):38–43, 1975 (Eng. Abstr.) **(Rus)**
[Isoniazid and PAS metabolism and bacteriostatic activity of blood in adolescents with intrathoracic tuberculosis] Tytor IaM. **Probl Tuberk** (7):51–4, 1975 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Secretion of Mycobacteria tuberculosis of the avian type in children with tuberculosis and the source of the infection] Blonskaia LI, et al. **Probl Tuberk** (21):84–6, Feb 76 (Eng. Abstr.) **(Rus)**
[Clinico-morphologic and bacteriologic correlations in children and adolescents operated on for tuberculosis of the respiratory organs] Bogush LK, et al. **Probl Tuberk** (21):21–5, Feb 76 (Eng. Abstr.) **(Rus)**

MORTALITY

Mortality due to tuberculosis in children in India. Narain R, et al. **Indian Pediatr** 12(7):529–37, Jul 75

OCCURRENCE

Proceedings: Childhood tuberculosis in Australia. Blackall PB. **Bull Int Union Tuberc** 49 suppl 1:72, Aug 74
Proceedings: Tuberculosis in children. Dingley HB. **Bull Int Union Tuberc** 49 suppl 1:70–1, Aug 74
Finding recent tuberculous infection in New Orleans. Results of tuberculin skin tests on New Orleans children from the inner city and Contact Investigation Program. Greenberg HB, et al. **JAMA** 235(9):931–2, 1 Mar 76
Tuberculosis in children and BCG vaccination in North Sumatra. Tjay JK, et al. **Paediatr Indones** 15(11–12):303–14, Nov–Dec 75
[Children's tuberculosis in Czechoslovakia—results of therapy and prevention—future and prospects] Vojtek V. **Cesk Pediatr** 30(11):557–60, Nov 75 (Eng. Abstr.) **(Cze)**
[Data on BCG vaccination and the evolutionary tendency of tuberculosis in children in Hungary since 1959, a country in which economic development has reached an intermediate level and where a contrast exists between childhood and adult tuberculosis] Lugosi L. **Bull Int Union Tuberc** 49(1):171–80, 1974 **(Fre)**
[Epidemiological prognosis in childhood tuberculosis in Poland (based on an epidemiological model)] Rudnik J, et al. **Gruzlica** 43(10):877–86, Oct 75 (Eng. Abstr.) **(Pol)**
[Morbidity and primary infection rate of persons having familial contact with patients with scanty bacilli secretions] Rudoĭ NM, et al. **Probl Tuberk** (6):4–7, 1975 (Eng. Abstr.) **(Rus)**
[Tuberculosis infection rate and morbidity in preschool children from foci of tuberculosis infection] Zakharova RI, et al. **Probl Tuberk** (21):10–2, Feb 76 (Eng. Abstr.) **(Rus)**
[Age and sex characteristics of tuberculosis incidence among urban population during the period 1959–1971] Zakopailo GG. **Vrach Delo** (5):11–3, May 75 **(Rus)**

PATHOLOGY

[Meningo-encephalic tuberculosis in childhood. Anatomo pathological study of 10 cases] Coutinho LM, et al. **Arq Neuropsiquiatr** 34(2):127–34, Jun 76 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

[Cardiovascular function in children with tuberculosis during physical exercises] Aliev MN, et al. **Probl Tuberk** (7):31–4, 1975 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Neonatal pyridoxine responsive convulsions due to isoniazid therapy. McKenzie SA, et al. **Arch Dis Child** 51(7):567–8, Jul 76
Tuberculosis in BCG vaccinated and unvaccinated children. Chandra P. **Indian Pediatr** 12(5):424–9, May 75
Smallpox and BCG vaccination in the newborn: follow up study. Desai AB, et al. **Indian Pediatr** 12(4):335–8, Apr 75
Editorial: B.C.G. vaccination. Pamra SP. **Indian Pediatr** 13(4):261–2, Apr 76
Letter: B.C.G. at school. Bowe JC, et al. **Lancet** 2(7943):1036, 22 Nov 75
Editorial: Frequency of tuberculin testing. Steigman AJ, et al. **Pediatrics** 56(2):160–1, Aug 75
Letter: Tuberculosis notwithstanding BCG vaccination. **S Afr Med J** 49(47):1947, 8 Nov 75
Tuberculosis notwithstanding BCG vaccination. Geefhuysen J, et al. **S Afr Med J** 49(41):1706–8, 27 Sep 75
[Analysis of the results of studies on tuberculosis infection and the 1st program of intradermal BCG vaccination of school children of São Paulo, Brazil, 1971–1974] Certain DA, et al. **Rev Saude Publica** 9(2):125–36, Jun 75 (Eng. Abstr.) **(Por)**
[Model of eradication of tuberculosis in children in an area with high epidemiological potential] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 24(2):79–84, Apr–Jun 75 (Eng. Abstr.) **(Rum)**
[Organization of tuberculosis control among children] **Probl Tuberk** (7):81–91, 1975 **(Rus)**
[Characteristics of the course of tuberculosis in children and adolescents immunized with the BCG vaccine] Bugaeva MI, et al. **Probl Tuberk** (11):5–8, 1975 (Eng. Abstr.) **(Rus)**
[Present-day tuberculosis control among children] Mitinskaia LA. **Probl Tuberk** (7):1–5, 1975 (Eng. Abstr.) **(Rus)**
[Certain problems of tuberculosis control in the Far North region] Desiatovskiĭ VA, et al. **Zdravookhr Ross Fed** (7):11–3, Jul 75 **(Rus)**
[Control of the chemicoprevention of threatened tuberculosis

of a group of children and adolescents in a rural region] Borys VM, et al. **Pediatr Akush Ginekol** (6):21–2, Nov–Dec 75 **(Ukr)**

RADIOGRAPHY

The radiological presentation of pulmonary tuberculosis in children. Freiman I, et al. **S Afr Med J** 49(41):1703–6, 27 Sep 75

REHABILITATION

[Follow-up of schoolchildren with mild and torpid forms of tuberculosis in a sanatorium-type boarding school and at home] Alibakieva GM, et al. **Probl Tuberk** (5):23–5, May 76 (Eng. Abstr.) **(Rus)**

THERAPY

[Criteria of the effectiveness of the stay of children and adolescents at specialized boarding-schools] Berezovs'kyĭ BA, et al. **Pediatr Akush Ginekol** (6):23–4, Nov–Dec 75 **(Ukr)**

TUBERCULOSIS, LARYNGEAL

Infectiousness of laryngeal tuberculosis. Horowitz G, et al. **Am Rev Respir Dis** 114(1):241–4, Jul 76

[Tuberculosis in otorhinolaryngology] Legros M, et al. **J Fr Otorhinolaryngol** 25(2):127–34, Feb 76 **(Fre)**

DIAGNOSIS

Tuberculosis of the larynx masquerading as carcinoma. Naraqi S, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):547–8, Jul–Aug 76

Tuberculosis of the larynx. Travis LW, et al. **Laryngoscope** 86(4):549–58, Apr 76

TUBERCULOSIS, LYMPH NODE

Cervical mycobacterial infection. Mair IW, et al. **J Laryngol Otol** 89(9):933–9, Sep 75

[Tuberculosis in otorhinolaryngology] Legros M, et al. **J Fr Otorhinolaryngol** 25(2):127–34, Feb 76 **(Fre)**

[Six cases of hilar lymph nodes tuberculosis observed among adults (author's transl)] Suzuki A, et al. **Kekkaku** 50(2):63–70, 15 Feb 75 (Eng. Abstr.) **(Jpn)**

[Pericholedocheal lymphadenitis (literature survey)] Dasaev AN, et al. **Khirurgiia (Mosk)** (1):129–32, Jan 76 (42 ref.) **(Rus)**

[Diagnosis and surgical treatment of tuberculosis of intrathoracic lymph nodes and its complications] **Probl Tuberk** (11):82–8, 1975 **(Rus)**

[Diagnosis of caseomas of mediastinal lymph nodes in adults] Pilipchuk NS, et al. **Vrach Delo** (5):8–11, May 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Lichen scrofulosorum. A report of four cases. Smith NP, et al. **Br J Dermatol** 94(3):319–25, Mar 76

Tuberculosis of the intercostal lymph nodes—an unusual presentation. Subramanian S, et al. **Tubercle** 55(2):163–6, Jun 74

[Splenic rupture in the course of hepatosplenic and lymph node tuberculosis] Bentata M, et al. **Bull Soc Pathol Exot** 68(2):159–64, Mar–Apr 75 **(Fre)**

[Digestive fistulization due to tuberculous adenopathies. Apropos of 2 cases] Chiche B, et al. **J Chir (Paris)** 110(1–2):39–44, Jul–Aug 75 (10 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Retroperitoneal tuberculous lymphadenitis: lymphographic changes simulating metastatic disease. Report of a case. Prager PJ, et al. **J Belge Radiol** 59:139–42, Mar–Apr 76

Diagnosis and management of atypical mycobacterial lymphadenitis in children. MacKellar A. **J Pediatr Surg** 11(1):85–9, Feb 76

Primary tuberculous complex of the skin. Pereira CA, et al. **JAMA** 235(9):942, 1 Mar 76

[Interest of oesophagoscopy in one case of fistula between the oesophagus and a tuberculous mediastinal lymphnode (author's transl)] Holler A, et al. **Arch Fr Mal App Dig** 63(8):645–9, Dec 74 (Eng. Abstr.) **(Fre)**

[Letter: Tuberculous esobronchial fistula simulating bronchial cancer] Fichet D, et al. **Nouv Presse Med** 5(10):649–50, 6 Mar 76 **(Fre)**

[Tuberculous retroperitoneal lymph nodes simulating an abdominal neoplasm] Kardaszewicz S, et al. **Pol Tyg Lek** 31(6):233–4, 9 Feb 76 (Eng. Abstr.) **(Pol)**

[Generalized tuberculous lymphadenopathy] Dettlaff Z, et al. **Wiad Lek** 28(17):1487–90, 1 Sep 75 (Eng. Abstr.) **(Pol)**

[Diagnosis of tuberculosis of peripheral lymph nodes] Brandis IaS, et al. **Probl Tuberk** (7):78–80, 1975 **(Rus)**

[Importance of certain immunological tests in differential diagnosis of tuberculosis of intrathoracic lymph nodes] Kshanovskiĭ SA, et al. **Probl Tuberk** (10):21–5, 1975 (Eng. Abstr.) **(Rus)**

[Peculiarities of the current clinical picture and course of tuberculosis of the intrathoracic lymph nodes in children] Paĭziev ShD. **Probl Tuberk** (12):35–8, 1975 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Letter: Tuberculosis after jejunoileal bypass. Wills CE. **JAMA** 235(14):1425, 5 Apr 76

METABOLISM

[B group vitamin metabolism in tuberculotic children] Kirpichev MP, et al. **Probl Tuberk** (7):21–5, Jul 76 (44 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Lymph node lesions caused by atypical Mycobacteria] Drabkina RO, et al. **Pediatriia** (7):74–5, Jul 75 **(Rus)**

[Clinico-morphologic and bacteriologic correlations in children and adolescents operated on for tuberculosis of the respiratory organs] Bogush LK, et al. **Probl Tuberk** (21):21–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Epidemiological and clinical importance of M. avium among the inhabitants of Rostov Province] Kalmykova GN, et al. **Probl Tuberk** (7):12–6, Jul 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Epitheloid cell tuberculosis in presacral lymph node tissue] Frick R, et al. **Geburtshilfe Frauenheilkd** 36(7):596–8, Jul 76 **(Ger)**

[Chronic primary tuberculosis disguised as asthmatic bronchitis] Vorob'eva AA. **Arkh Patol** 38(1):73–6, 1976 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Lymphographical findings in disseminated tuberculosis without radiological lung manifestations. Rauste J, et al. **Lymphology** 9(2):62–5, Jun 76

[Projection-difference index for tuberculosis lymph-nodes (author's transl)] Rauste J, et al. **Radiol Diagn (Berl)** 16(3):417–20, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

[Surgical aspects of abdominal tuberculosis] Le Peltier P, et al. **Chirurgie** 100(12):865–72, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**

[Surgical treatment of lymph node tuberculosis of the neck] Latić T, et al. **Med Pregl** 28(11–12):505–7, 1975 **(Ser)**

THERAPY

[Bronchoscopy in the treatment of tuberculosis of the tracheo-bronchial lymph nodes with lobar and segmental opacities] Zebrak J. **Pneumonol Pol** 44(3):217–25, Mar 76 (Eng. Abstr.) **(Pol)**

VETERINARY

Swine lymphadenitis due to Mycobacterium avium and atypical Mycobacteria. I. Pathological studies. Szabó I, et al. **Acta Vet Acad Sci Hung** 25(1):67–76, 1975

Swine lymphadenitis due to Mycobacterium avium and atypical Mycobacteria. II. Studies on the role of littering in mycobacterial lymphadenitis incidence in large-scale pig units. Szabó I, et al. **Acta Vet Acad Sci Hung** 25(1):77–83, 1975

Tuberculosis in brood sows and pigs slaughtered in Iowa. Thoen CO, et al. **Am J Vet Res** 37(7):775–8, Jul 76

TUBERCULOSIS, MALE GENITAL

Tuberculosis of the penis. Chatterjee H, et al. **J Indian Med Assoc** 65(8):232–4, 16 Oct 75

TUBERCULOSIS, MENINGEAL

Tuberculous meningitis in childhood. Forty-three cases. Idriss ZH, et al. **Am J Dis Child** 130(4):364–7, Apr 76

Observations on tuberculosis meningitis. Aquinas M. **Bull Int Union Tuberc** 49 suppl 1:74–7, Aug 74

Tuberculous meningitis. Skolnick JL. **J Ky Med Assoc** 73(10):541–2, Oct 75

Fulminant tuberculous meningitis in a gravid female. Chambers CH, et al. **Wis Med J** 74(11):121–3, Nov 75

[Adult tuberculous meningitis. Apropos of 32 cases] Zribi A, et al. **Tunis Med** 52(5):259–64, Sep–Oct 74 **(Fre)**

CEREBROSPINAL FLUID

Cerebrospinal fluid electrophoretic proteinograms in tuberculous and pyogenic meningitis. Phadke MA, et al. **Indian Pediatr** 12(11):1169–72, Nov 75

A study of the cerebrospinal fluid in atypical presentations of tuberculous meningitis. Virmani V, et al. **J Neurol Sci** 26(4):587–92, Dec 75

CHEMICALLY INDUCED

[Tuberculous meningitis and antibody deficiency disease (author's transl)] Weippl G, et al. **Paediatr Paedol** 10(4):462–5, 1975 **(Ger)**

COMPLICATIONS

Neurotrophic arthropathy of the shoulder secondary to tuberculous arachnoiditis: a case report. Nissenbaum M. **Clin Orthop** (118):169–72, Jul–Aug 76

Tuberculous meningitis: a case report. Raczka EK, et al. **J Am Podiatry Assoc** 65(10):996–1004, Oct 75

Syringomyelia associated with postmeningitic spinal arachnoiditis. Filling of the syrinx through a communication with the subarachnoid space. Savoiardo M. **Neurology (Minneap)** 26(6 PT 1):551–4, Jun 76

Sarcoidosis, tuberculous meningitis and visual disturbance. Forgan-Smith R, et al. **Tubercle** 55(4):309–12, Dec 74

[Moyamoya syndrome of tuberculous cerebral arteritis] Stoeter P, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):516–9, Jun 76 (Eng. Abstr.) **(Ger)**

[Radiculo-myelopathy due to primary spinal tubercular leptomeningitis in the adult] Simonetti C, et al. **Riv Neurobiol** 19(1–2):145–54, Jan–Jun 73 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Tuberculous meningitis in adult Africans-problems of diagnosis and management. Cardozo LJ, et al. **East Afr Med J** 53(3):134–42, Mar 76

The bromide partition test in tuberculous meningitis: a re-evaluation. Rangan G, et al. **Indian J Med Res** 64(1):131–7, Jan 76

Tuberculous meningitis: review of 50 cases. Benakappa DG, et al. **Indian Pediatr** 12(11):1161–7, Nov 75

Tuberculous and pyogenic meningitis: a diagnostic dilemma. (A retrospective study of 116 autopsied brains). Mehta MN, et al. **Indian Pediatr** 12(11):1153–9, Nov 75

Medical grand rounds from Touro Infirmary: Tuberculous Meningitis. **J La State Med Soc** 127(11):425–9, Nov 75

Letter: False-positive immunofluorescence test for herpes simplex in tuberculous meningitis. Glover RJ. **Lancet** 1(7973):1352, 19 Jun 76

Letter: False-positive immunofluorescence test for herpes simplex in tuberculous meningitis. Purdham DR, et al. **Lancet** 1(7971):1235–6, 5 Jun 76

Chronic meningitis. Ellner JJ, et al. **Medicine (Baltimore)** 55(5):341–69, Sep 76

[Changes of the tuberculosis of the central nervous system since the introduction of prophylactic BCG vaccination and tuberculostatic therapy (author's transl)] Weigel B. **Zentralbl Allg Pathol** 120(1):21–33, 1976 (Eng. Abstr.) **(Ger)**

[Headache, high fever and cognition disorder: tuberculous meningoencephalitis] Kawasaki S, et al. **Jpn J Clin Med** Spec No:724–5, 1038–9, 10 Apr 75 **(Jpn)**

[Index of neutrophil damage and the tuberculin hemolysis reaction in the diagnosis of tuberculosis meningitis in adults] Nazarenko VG. **Probl Tuberk** (6):59–62, 1975 (Eng. Abstr.) **(Rus)**

[Analysis of diagnostic errors in tuberculous meningitis] Bondarev LS, et al. **Sov Med** (11):98–102, Nov 75 (Eng. Abstr.) **(Rus)**

[Problems of differential diagnosis of spinal forms of tuberculous meningitis] Sitnikova IuZ. **Sov Med** (11):94–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Tuberculous meningitis] Olivaries L, et al. **Prensa Med Mex** 40(5–6):168–73, May–Jun 75 **(Spa)**

DRUG THERAPY

Puerperal tuberculosis. Garrioch DB. **Br J Clin Pract** 29(10):280–1, Oct 75

Letter: Treatment of tuberculous meningitis. Kernbaum S. **J Pediatr** 87(5):837–8, Nov 75

Editorial: Rifampin in tuberculous meningitis. Sifontes JE. **J Pediatr** 87(6 Pt 1):1015–7, Dec 75

Evaluation of rifampicin in the treatment of tuberculous meningitis in children. Visudhiphan P, et al. **J Pediatr** 87(6 Pt 1):983–6, Dec 75

The value of ethambutol in the treatment of tuberculous meningitis. Girgis NI, et al. **J Trop Med Hyg** 79(1):14–7, Jan 76

Editorial: Treatment of tuberculous meningitis. **Lancet** 1(7963):787–8, 10 Apr 76

[Results of treating tuberculous meningitis in adults in Kirghizia] Begalieva BB. **Zdravookhr Kirg** (3):16–8, May–Jun 76 **(Rus)**

FAMILIAL & GENETIC

A family outbreak of tuberculosis in Bristol in 1973 with two cases of tuberculous meningitis. Corner BD, et al. **Tubercle** 55(2):99–103, Jun 74

MORTALITY

Mortality from tuberculous meningitis reduced by steroid therapy. Escobar JA, et al. **Pediatrics** 56(6):1051–5, Dec 75

OCCURRENCE

Recent survey of infectious meningitis in adults: review of laboratory findings in bacterial, tuberculous, and aseptic meningitis. Karandanis D, et al. **South Med J** 69(4):449–57, Apr 76

[Analysis of incidence of meningeal tuberculosis in children treated at the department of infective diseases in Sremska Mitrovica during the period 1960–1973] Mioković D, et al. **Med Pregl** 28(5–6):213–6, 1975 (Eng. Abstr.) **(Ser)**

PATHOLOGY

Vascular lesions in intracranial tuberculosis. Poltera AA. **Pathol Microbiol (Basel)** 43(2–O):192–4, 1975

[Clinico-pathological conference XXV:dysuria, lower back pain and paraplegia in an old woman] Sutinen S, et al. **Duodecim** 91(12):790–5, 1975 **(Fin)**

[Meningo-encephalic tuberculosis in childhood. Anatomo pathological study of 10 cases] Coutinho LM, et al. **Arq Neuropsiquiatr** 34(2):127-34, Jun 76 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

[2 cases of the encephalitic form of tuberculous meningitis] Todorov M, et al. **Vutr Boles** 14(4):113-6, 1975 (Eng. Abstr.) **(Bul)**

PREVENTION & CONTROL

Tuberculous meningitis in children before and since isoniazid. Mintz AA. **South Med J** 69(8):1061-2, Aug 76

TUBERCULOSIS, MILIARY

Miliary tuberculosis of the lung in Nigerian adults. Onadeko BO, et al. **East Afr Med J** 52(7):390-5, Jul 75

[Nausea, vomiting, respiratory difficulty and unconsciousness: late stage of acute disseminated military tuberculosis] Hagiwara T, et al. **Jpn J Clin Med** Spec No:728-9, 1044-7, 10 Apr 75 **(Jpn)**

[Butterfly-like erythematous lesions and intermittent fever: miliary tuberculosis] Kameya K, et al. **Jpn J Clin Med** Spec No:726-7, 1040-3, 10 Apr 75 **(Jpn)**

COMPLICATIONS

Letter: Miliary tuberculosis presenting with polymyalgia rheumatica. Child DL. **Br Med J** 3(5984):652, 13 Sep 75

Letter: Miliary tuberculosis presenting with polymyalgia rheumatica. Mathews JA, et al. **Br Med J** 4(5996):580, 6 Dec 75

An autopsy case of lymphosarcoma associated with Pneumocystis carinii pneumonia, cytomegalovirus infection, and miliary tuberculosis. Takamura N, et al. **Bull Osaka Med Sch** 21(2):108-18, Oct 75

Spontaneous tension pneumomediastinum. Ravindran P, et al. **Indian J Chest Dis** 17(3):132-4, Jul 75

Tuberculous brain abscess. Case report. Rab SM, et al. **J Neurosurg** 43(4):490-4, Oct 75

Leukaemoid reaction and disseminated tuberculosis. A case report. Keeton GR, et al. **S Afr Med J** 49(46):1930-2, 1 Nov 75

[Disseminated intravascular coagulation during a course of miliary tuberculosis] Bratić-Mikeš V. **Bilt Hematol Transfuz** 3(3):49-59, 1975 (Eng. Abstr.) **(Ser)**

CONGENITAL

Congenital miliary tuberculosis. A case report. Pai PM, et al. **Clin Pediatr (Phila)** 15(4):376-8, Apr 76

DIAGNOSIS

Miliary Tuberculosis Presenting with skin lesions. Kennedy C, et al. **Br Med J** 3(5979):356, 9 Aug 75

Miliary tuberculosis presenting with multifocal oral lesions. McAndrew PG, et al. **Br Med J** 1(6021):1320, 29 May 76

Tuberculous lupus miliaris faciei. Baker H. **Proc R Soc Med** 69(1):18, Jan 76

[Areactive miliary tuberculosis. Diagnostic considerations] Bentzon AB. **Ugeskr Laeger** 138(32):1946-8, 2 Aug 76 (Eng. Abstr.) **(Dan)**

DRUG THERAPY

Successful management of miliary tuberculosis after renal transplantation. Rattazzi LC, et al. **Am J Surg** 130(3):359-61, Sep 75

[Pneumoallergy treated as miliary tuberculosis of the lungs] Vlatković V. **Plucne Bolesti Tuberk** 27(4):274-8, Oct-Dec 75 (Eng. Abstr.) **(Cro)**

ETIOLOGY

Miliary tuberculosis following homograft valve replacement. Anyanwu CH, et al. **Thorax** 31(1):101-6, Feb 76

IMMUNOLOGY

Secondary immunodeficiency in miliary tuberculosis. Uberoi S, et al. **Clin Exp Immunol** 22(3):404-8, Dec 75

OCCURRENCE

Changing risks in tuberculosis. Hinman AR, et al. **Am J Epidemiol** 103(5):486-97, May 76

Miliary tuberculosis in two infants after nursery exposure: epidemiologic, clinical, and laboratory findings. Steiner P, et al. **Am Rev Respir Dis** 113(3):267-71, Mar 76

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 27-1976. **N Engl J Med** 295(1):34-42, 1 Jul 76

[Tuberculosis in a thymoma case] Zakrzewska K, et al. **Nowotwory** 25(3):267-9, Jul-Sep 75 (Eng. Abstr.) **(Pol)**

[Case of systemic lupus erythematosus complicated by miliary tuberculosis] Ryć K, et al. **Wiad Lek** 29(9):815-8, 1 May 76 **(Pol)**

[Miliary tuberculosis mimicking acute mydelogenous leukaemia. Morphological and ultrastructural findings (author's transl)] Spremolla G, et al. **Sangre (Barc)** 20(4):511-21, 1975 (Eng. Abstr.) **(Spa)**

TUBERCULOSIS, OCULAR

30-year observation of patients with Eale's disease. Elliot AJ. **Am J Ophthalmol** 80(3 Pt 1):404-8, Sep 75

[A case of bilateral tuberculosis dacryoadenitis] Offret G, et al. **Bull Soc Ophtalmol Fr** 74(5-6):557-67, May-Jun 74 **(Fre)**

COMPLICATIONS

Orbital apex syndrome with contra-lateral hemiplegia due to tuberculoma of orbital apex. Mortada A. **Mod Probl Ophthalmol** 14:657-9, 1975

DRUG THERAPY

[Rifadin in the treatment of ocular tuberculosis] Vyrenkova TE, et al. **Vestn Oftalmol** (6):65-8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Sclera! tuberculosis. Bloomfield SE, et al. **Arch Ophthalmol** 94(6):954-6, Jun 76

[Tuberculosis of bulbar conjunctiva] Vrabec J. **Cesk Oftalmol** 31(5):345-9, Sep 75 (Eng. Abstr.) **(Cze)**

TUBERCULOSIS, ORAL see under **TUBERCULOSIS**

TUBERCULOSIS, OSTEOARTICULAR

Tuberculosis of the wrist: a report of ten cases. Brashear HR, et al. **South Med J** 68(11):1345-9, Nov 75

[Tuberculous osteitis. 53 cases (60 localizations)] Martini M, et al. **Chirurgie** 101(11):830-5, Nov 75 (Eng. Abstr.) **(Fre)**

[Primary disability of patients with osteoarticular tuberculosis] Zhazybaev TA. **Probl Tuberk** (10):82, 1975 **(Rus)**

COMPLICATIONS

Primary amenorrhoea and pelvic tuberculosis in Kenya. McGlashan HE. **East Afr Med J** 52(9):481-6, Sep 75

Local osteo-articular tuberculosis complicating closed fractures: report of two cases. Stuart D. **J Bone Joint Surg [Br]** 58(2):248-9, May 76

[Tuberculous synovitis: histological studies and critical considerations on possible morpho-immunological aspects] Fumagalli O, et al. **Clin Ortop** 25(2):84-92, Apr-Jun 74 (Eng. Abstr.) **(Ita)**

[Changes of mechanical axis of pressure and their effect on the outcome of tuberculous coxitis in adults] Ermakov DG. **Probl Tuberk** (4):66-8, 1975 (Eng. Abstr.) **(Rus)**

[Fistulography in patients with multiple communicating fistulas] Moldaver-Cherdzhieva TI, et al. **Probl Tuberk** (21):61-4, Feb 76 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of tuberculous arthritis and pigmentary fibrous-nodular synovitis] Zvantseva VA. **Probl Tuberk** (4):60-5, 1975 (Eng. Abstr.) **(Rus)**

[Remote results of subtotal synovectomy of the knee joint in adults with tuberculous synovitis] Zvantseva VA. **Probl Tuberk** (8):46-50, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Carpal tunnel syndrome as the initial manifestation of tuberculosis. Klofkorn RW, et al. **Am J Med** 60(4):583-6, Apr 76

Bone scanning with technetium 99mTc polyphosphate in tuberculous osteomyelitis. Fanning A, et al. **Tubercle** 55(3):227-30, Sep 74

Poncet's disease--fact or fiction? A re-appraisal of tuberculous rheumatism. Isaacs AJ, et al. **Tubercle** 55(2):135-42, Jun 74

[Ascertained diagnosis in bone and bone-and-joint tuberculosis (author's transl)] Martini M, et al. **Ann Chir** 29(2):111-7, Feb 75 (Eng. Abstr.) **(Fre)**

[Lymphoblast transformation test in osteoarticular tuberculosis] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 42(6):409-16, Jun 75 (Eng. Abstr.) **(Fre)**

[Osteoarticular tuberculosis: a diagnostic problem] Sliman N, et al. **Union Med Can** 104(7):1101-9, Jul 75 (Eng. Abstr.) **(Fre)**

[Tuberculous osteitis of the frontal bone (author's transl)] Záhorská T, et al. **Z Orthop** 114(1):130-3, Feb 76 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of osteoarticular tuberculosis and nonspecific diseases of the musculo-skeletal apparatus in children] Rol'e Zlu, et al. **Probl Tuberk** (7):54-8, 1975 (Eng. Abstr.) **(Rus)**

[Diagnostic value of simultaneous tuberculin tests in osteo-articular tuberculosis (author's transl)] Maar D, et al. **Bratisl Lek Listy** 64(3):340-5, Sep 75 **(Slo)**

[Diagnostic value of simultaneous tuberculin tests in osteo-articular tuberculosis (author's transl)] Maar D, et al. **Bratisl Lek Listy** 64(3):340-5, Sep 75 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

[Letter: Intra-articular passage of isoniazid and ethambutol. 2 cases of tuberculous synovitis of the knee] Mouries D, et al. **Nouv Presse Med** 4(38):2734, 8 Nov 75 **(Fre)**

ETIOLOGY

[Poncet's rheumatism] Tareev EM. **Ter Arkh** 48(1):71-8, 1976 **(Rus)**

HISTORY

The classic. Streptomycin in tuberculous bone and joint lesions with mixed infection and sinuses. Bosworth DM, et al. **Clin Orthop** (116):2-7, May 76

IMMUNOLOGY

[Experiences with serological studies in the diagnosis of osseous tuberculosis] Wallmann K. **Beitr Orthop Traumatol** 23(4):180-5, Apr 76 **(Ger)**

MICROBIOLOGY

[Comparative evaluation of the methods of bacterioscopic detection of the pathogen in patients with osteoarticular tuberculosis] Kochanova NK, et al. **Lab Delo** (1):46-8, 1976 **(Rus)**

OCCURRENCE

Letter: Tuberculous osteomyelitis of the rib. **S Afr Med J** 49(39):1583, 13 Sep 75

[Bone and osteoarticular tuberculosis in black African immigrants. Apropos of 26 cases] Lesobre B, et al. **Ann Med Interne (Paris)** 126(6-7):477-85, Jun-Jul 75 **(Fre)**

[Incidence of bone and joint tuberculosis in the population of the Kielce region in 1954-1974] Siennicki S, et al. **Pneumonol Pol** 44(4):371-9, 1976 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Tuberculous arthritis: A report of two cases with review of biopsy and synovial fluid findings. Wallace R, et al. **Am J Med** 61(2):277-82, Aug 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 5-1976. **N Engl J Med** 294(5):267-74, 29 Jan 76

PHYSIOPATHOLOGY

[Correction of hemodynamic disorders in patients with tuberculous spondylitis under conditions of long-term hypokinesia] Levites EP. **Ortop Travmatol Protez** (9):68-71, Sep 75 **(Rus)**

[Outcome of osteoarticular tuberculosis in children treated with corticosteroid hormones and their physical and sexual development] Pikuleva IuV. **Ortop Travmatol Protez** (9):51-4, Sep 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Hip diseases with referred pain to the knee. Flatman JG. **JAMA** 234(9):967-8, 1 Dec 75

Posterior mediastinal mass. Hussain SA. **JAMA** 235(8):849, 23 Feb 76

[Tuberculous osteitis in the African emigrant (author's transl)] Lévi-Valensin G, et al. **J Radiol Electrol Med Nucl** 57(1):31-7, Jan 76 (Eng. Abstr.) **(Fre)**

[Spina ventosa migrans] Todorović N, et al. **Med Pregl** 28(3-4):149-51, 1975 **(Ser)**

SURGERY

BCG osteomyelitis: experience in the Stockholm region over the years 1961-1974. Bergdahl S, et al. **J Bone Joint Surg [Br]** 58(2):212-6, May 76

[Active surgical treatment of osteoarticular tuberculosis in patients with fibrocaseous changes of the lung] Marsenic B, et al. **Plucne Bolesti Tuberk** 27(1-2):70-3, Jan-Jun 75 (Eng. Abstr.) **(Cro)**

[Synovectomies of the knee. Apropos of 47 cases of tuberculous synovitis] Banaï M, et al. **Acta Orthop Belg** 41(3):335-45, May-Jun 75 **(Fre)**

[Synovectomies of the knee. Apropos of 47 cases tuberculous synovitis] Banai M, et al. **J Chir (Paris)** 111(4):459-69, Apr 76 (Eng. Abstr.) **(Fre)**

[Importance of synovectomy in the treatment of tuberculosis of the joints] Crasselt C. **Beitr Orthop Traumatol** 23(4):188-94, Apr 76 **(Ger)**

[Current status of conservative and surgical treatment of tuberculosis arthritis in adults (author's transl)] Göb A, et al. **Munch Med Wochenschr** 117(32-33):1313-6, 8 Aug 75 (Eng. Abstr.) **(Ger)**

[Laser ray in treatment of tuberculous osteitis in rabbits] Chenskikh EP, et al. **Probl Tuberk** (10):78-81, 1975 **(Rus)**

[Autoplasty in tuberculous trochanteritis] Izbekov AT. **Probl Tuberk** (10):64-8, 1975 (Eng. Abstr.) **(Rus)**

[Characteristics of surgical wound healing in patients with osteo-articular tuberculosis] Markov NA. **Probl Tuberk** (10):55-9, 1975 (Eng. Abstr.) **(Rus)**

[Objective evaluation of osteoporosis in different outcomes of surgery of tuberculous coxitis] Rokhlin GD, et al. **Probl Tuberk** (7):80-1, 1975 **(Rus)**

[Remote results of surgical removal of extra-articular foci in tuberculous coxitis] Vorob'ev VN. **Probl Tuberk** (10):68-72, 1975 (Eng. Abstr.) **(Rus)**

[Treatment of fistulating forms of osteoarticular tuberculosis (author's transl)] Maar D, et al. **Acta Chir Orthop Traumatol Cech** 43(2):169-75, May 76 (Eng. Abstr.) **(Slo)**

THERAPY

[Results after conservative treatment of Perthes' disease] Jaster D, et al. **Beitr Orthop Traumatol** 23(4):201–7, Apr 76 **(Ger)**

[Comparative evaluation of the methods of treatment of Perthes disease in children under sanatorium conditions] Leochko SS, et al. **Ortop Travmatol Protez** (8):17–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Prognosis of the effectiveness of restorative treatment of inactive extensive osteoarticular tuberculosis] Izvekov AT. **Probl Tuberk** (4):4–7, 1975 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, PERITONEAL

[Anorexia, abdominal distention and decreased visual acuity (a clinical course of diabetes mellitus): polycystic kidney and tuberculous peritonitis] Takaoka Y, et al. **Jpn J Clin Med** Spec No:976–7, 1498–9, 10 Apr 75 **(Jpn)**

COMPLICATIONS

Peritoneal tuberculosis with ureteric obstruction, mimicking retroperitoneal fibrosis. Bentley PG, et al. **Br J Urol** 48(3):170, Jun 76

Omental cyst associated with mesenteric tuberculosis. Adekunle OO, et al. **J Trop Med Hyg** 78(7):159–61, Jul 75

DIAGNOSIS

Abnormal 67Ga–citrate scan of the abdomen in tuberculous peritonitis: case report. Steinbach JJ. **J Nucl Med** 17(4):272–3, Apr 76

Peritoneal tuberculosis presenting as pyrexia of unknown origin in immigrants. Perry W, et al. **J Trop Med Hyg** 79(4):83–4, Apr 76

Abdominal tuberculosis in Britain. Mandal BK, et al. **Practitioner** 216(1296):683–9, Jun 76

RADIOGRAPHY

Intestinal and peritoneal tuberculosis: report of two cases. Fräki O, et al. **Dis Colon Rectum** 18(8):685–93, Nov–Dec 75

SURGERY

[Surgical aspects of abdominal tuberculosis] Le Peltier P, et al. **Chirurgie** 100(12):865–72, 27 Nov–11 Dec 74 (Eng. Abstr.) **(Fre)**

[Pseudo–surgical aspects of intestino–peritoneal tuberculosis] Najah S, et al. **Tunis Med** 53(3):199–202, May–Jun 75 **(Fre)**

TUBERCULOSIS, PLEURAL

[Recurrences of tuberculosis of the respiratory organs] Molofeev AN, et al. **Probl Tuberk** (8):21–3, 1975 (Eng. Abstr.) **(Rus)**

[Causes of recurrences of tuberculosis of the respiratory organs] Pekarskaia SL, et al. **Probl Tuberk** (8):18–20, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Review of 100 cases of pleural biopsy with Abrams needle (author's transl)] Malarme J. **Acta Tuberc Pneumol Belg** 65(5):464–8, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Pleural puncture biopsy with Abrams' needle] El Gharbi T, et al. **Tunis Med** 53(3):203–6, May–Jun 75 **(Fre)**

DRUG THERAPY

[Review of results of the hospital treatment of primary exudative tuberculous pleurisy in soldiers during a period of 20–years (1953–1972)] Drakulić M, et al. **Vojnosanit Pregl** 33(1):24–7, Jan–Feb 76 (Eng. Abstr.) **(Ser)**

ENZYMOLOGY

Pleural fluid lysozyme in tuberculous and non–tuberculous pleurisy. Klockars M, et al. **Br Med J** 1(6022):1381, 5 Jun 76

ETIOLOGY

Tuberculosis pleurisy due to Mycobacterium fortuitum in a patient with chronic granulocytic leukemia. Repo UK, et al. **Scand J Respir Dis** 56(6):329–36, 1975

IMMUNOLOGY

[Proceedings: Reactivity of PHA and tuberculin with lymphocytes of tubercular and neoplastic pleural fluid] Poujoulet N, et al. **Ann Immunol (Paris)** 126(3):368, Apr 75 **(Fre)**

MICROBIOLOGY

[Demonstration of tubercle bacilli in the parietal pleura] Rasmussen KN. **Ugeskr Laeger** 137(36):2049–51, 1 Sep 75 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Fine structure of granulocytes with cytoplasmic inclusions in pleural effusions from patients with rheumatoid pleuritis, tuberculous pleuritis and pleural carcinomatosis. Nielsen MH, et al. **Acta Pathol Microbiol Scand [A]** 83(5):433–42, Sep 75

RADIOGRAPHY

Unusual radiographic abnormalities observed during treatment of tuberculous pleural effusion. Cooke NJ, et al. **Tubercle** 55(4):261–7, Dec 74

[Differential diagnosis of diffuse mesothelioma of the pleura and tuberculous pleuritis] Marmorstein SIa, et al. **Vestn Rentgenol Radiol** (1):3–11, Jan–Feb 76 **(Rus)**

SURGERY

[Peridural anesthesia for postoperative analgesia in the surgery of pulmonary and pleural tuberculosis] Rumiantsev VB, et al. **Probl Tuberk** (6):37–41, 1975 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, PULMONARY

see related
COLLAPSE THERAPY
MASS CHEST X-RAY
PNEUMONECTOMY

Letter: Eponymization and tuberculosis. Glasser D. **Am Rev Respir Dis** 112(5):743, Nov 75

Lifelong follow–up of inactive tuberculosis: its value and limitations. Nakielna EM, et al. **Am Rev Respir Dis** 112(6):765–72, Dec 75

Inactive pulmonary lesions: a potent risk factor of tuberculosis. Vaara J, et al. **Ann Clin Res** 7(5):331–3, Oct 75

Provocative concepts of tuberculosis. Bates JH. **Chest** 68(3 SUPPL):475–8, Sep 75

Miliary tuberculosis of the lung in Nigerian adults. Onadeko BO, et al. **East Afr Med J** 52(7):390–5, Jul 75

Tuberculosis in a New York plant: analysis and observations. Morton FL. **J Occup Med** 18(2):91–3, Feb 76

Letter: Social stigma and tuberculosis. Compton J, et al. **Lancet** 1(7968):1079, 15 May 76

Tuberculosis in renal transplant patients. Oliver WA. **Med J Aust** 1(22):828–9, 29 May 76

Review of tuberculosis among the Orang Asli (Aborigines) in West Malaysia from 1951–1970. Bolton JM, et al. **Med J Malaysia** 30(1):10–29, Sep 75

Pregnancy and pulmonary tuberculosis. Schaefer G, et al. **Obstet Gynecol** 46(6):706–15, Dec 75

Polyserositis and pericarditis in Melanesians with considerations on the evolution of tuberculous infection in man. Wigley SC. **Papua New Guinea Med J** 17(3):274–7, Sep 74

Course and outcome of pregnancy in women with pulmonary tuberculosis. Bjerkedal T, et al. **Scand J Respir Dis** 56(5):245–50, 1975

Routine follow–up of patients with treated pulmonary tuberculosis. Poh SC, et al. **Singapore Med J** 16(3):200–3, Sep 75

[Conditions and consequences of integrated medical education on tuberculosis: the Algerian experience] Chaulet P. **Bull Int Union Tuberc** 49(1):266–70, 1974 **(Fre)**

[Hazards of subjects in contact with tuberculosis patients] Neumann G. **Bull Int Union Tuberc** 49(1):334–42, 1974 **(Fre)**

[Post–primary tuberculosis of the lower lobes] Pelucco D, et al. **Arch E Maragliano Patol Clin** 30(2):257–69, Jul–Dec 74 **(Ita)**

[History of the relation between pregnancy and pulmonary tuberculosis and therapeutic abortion] Caffaratto TM. **Minerva Ginecol** 28(2):192–201, Feb 76 **(Ita)**

[Survey on the status of tuberculosis in Japan in 1973 (2)] **Kekkaku** 50(2):79–89, 15 Feb 75 **(Jpn)**

[Tuberculosis among the aged] Hagiwara T, et al. **Kekkaku** 50(11):590–2, Dec 75 **(Jpn)**

[A prospective survey on the incidence of chest malignancies after repeated fluoroscopy during artificial pneumothorax therapy for pulmonary tuberculosis (author's transl)] Kitabatake T, et al. **Nippon Acta Radiol** 35(10):895–99, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[Analysis of applications for granting of disability pensions because of pulmonary tuberculosis in the Katowice Province] Grodzka W. **Gruzlica** 43(11):1001–6, Nov 75 (Eng. Abstr.) **(Pol)**

[Use of radioisotopes in laboratory and clinical research in phthisiology] Georgescu P. **Rev Ig [Pneumoftiziol]** 23(4):349–60, Jul–Sep 74 (56 ref.) **(Rum)**

[So–called steroid tuberculosis] Kalacheva GB, et al. **Klin Med (Mosk)** 52(3):136–7, Mar 74 **(Rus)**

[Characteristics of tuberculosis in men and women] Zal'munin PA, et al. **Klin Med (Mosk)** 53(12):78–9, Dec 75 **(Rus)**

[Evolution of caverns in patients with pulmonary tuberculosis] Batmanov NIa, et al. **Probl Tuberk** (12):17–20, 1975 (Eng. Abstr.) **(Rus)**

[Chemotherapy and chemoprevention of tuberculosis in children under condition of a sanatorium–boarding school] Kalabukha VA. **Probl Tuberk** (10):7–11, 1975 (Eng. Abstr.) **(Rus)**

[Clinical course of pulmonary tuberculosis in adolescents revaccinated with BCG by intradermal method] Kornetova NV. **Probl Tuberk** (7):26–30, 1975 (Eng. Abstr.) **(Rus)**

[Centralized revision of contingent of patients with tuberculosis] Kruglova NA, et al. **Probl Tuberk** (10):11–4, 1975 (Eng. Abstr.) **(Rus)**

[Recurrences of tuberculosis of the respiratory organs] Molofeev AN, et al. **Probl Tuberk** (8):21–3, 1975 (Eng. Abstr.) **(Rus)**

[Peculiarities of the course of tuberculomas with degeneration] Oifebakh MI, et al. **Probl Tuberk** (6):41–3, 1975 (Eng. Abstr.) **(Rus)**

[Clinical course and outcome of newly detected pulmonary tuberculosis (according to dispensary materials)] Ozhogina EP, et al. **Probl Tuberk** (8):1–5, 1975 (Eng. Abstr.) **(Rus)**

[Causes of recurrences of tuberculosis of the respiratory organs] Pekarskaia SL, et al. **Probl Tuberk** (8):18–20, 1975 (Eng. Abstr.) **(Rus)**

[Methods of graduate training of phthisiologists at the present–day level] Rabukhin AE, et al. **Probl Tuberk** (9):4–8, 1975 (Eng. Abstr.) **(Rus)**

[Characteristics of epidemiology and clinical aspects of tuberculosis among the natives of Taĭmir] Shchutskaia EI, et al. **Probl Tuberk** (11):11–3, 1975 (Eng. Abstr.) **(Rus)**

[Teaching the subject of tuberculosis at the Sanitary–Hygienic Chair of the Medical Institute] Shebanov FV, et al. **Probl Tuberk** (9):8–12, 1975 (Eng. Abstr.) **(Rus)**

[Clinical course of pulmonary tuberculosis in workers of Diesel locomotive factory] Fomicheva NI, et al. **Vrach Delo** (8):70–2, Aug 75 **(Rus)**

[Oral tuberculosis (report of 2 cases)] Campos Rivera M, et al. **Med Cutan Iber Lat Am** 3(4):299–302, 1975 (Eng. Abstr.) **(Spa)**

BLOOD

Isoniazid inactivation in Black patients with tuberculosis. Buchanan N, et al. **S Afr Med J** 50(12):463–5, 20 Mar 76

Alpha1 antitrypsin levels in chronic obstructive lung disease and pulmonary tuberculosis in Singapore. Poh SC, et al. **Singapore Med J** 16(2):89–91, Jun 75

The ABO and rhesus blood groups in patients with pulmonary tuberculosis. Viskum K. **Tubercle** 56(4):329–34, Dec 75

[Letter: Serum copper–iron imbalance in bronchopulmonary cancers and in severe pulmonary tuberculosis] Le Tinier JY, et al. **Nouv Presse Med** 5(10):649, 6 Mar 76 **(Fre)**

[Oxidative activity of blood serum ceruloplasmin in patients with pulmonary tuberculosis and eye diseases exhibiting delayed reactivity to dinitrofluorobenzene] Drozdowska S, et al. **Klin Oczna** 45(7):807–9, Jul 75 (Eng. Abstr.) **(Pol)**

[Behavior of various glycoprotein components in blood serum in pulmonary tuberculosis] Domin S, et al. **Pneumonol Pol** 44(6):573–8, 1976 (Eng. Abstr.) **(Pol)**

[Current average values of some blood parameters in untreated pulmonary tuberculosis in adults] Golli V, et al. **Rev Ig [Pneumoftiziol]** 24(2):97–102, Apr–Jun 75 **(Rum)**

[Dynamics of the level of copper and the activity of ceruloplasmin in the blood of patients operated on for pulmonary tuberculosis] Savenkov DI, et al. **Probl Tuberk** (6):86–7, 1975 **(Rus)**

[Study of concentration of ethionamide and prothionamide in the blood of patients with pulmonary tuberculosis by polarographic method] Tikhonov VA, et al. **Probl Tuberk** (5):75–8, May 76 (Eng. Abstr.) **(Rus)**

[Study of fetal hemoglobin in patients with active pulmonary tuberculosis] German AK, et al. **Vrach Delo** (3):100–2, Mar 74 (Eng. Abstr.) **(Rus)**

[Activity of cytochrome oxidase in neutrophils in pulmonary tuberculosis] Khodzhaeva MI. **Vrach Delo** (11):56–8, Nov 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Unusual manifestation of tuberculosis: TE fistula. Wigley FM, et al. **Am J Med** 60(2):310–4, Feb 76 (20 ref.)

Vocal cord paralysis due to pulmonary tuberculosis. Farmer WC, et al. **Am Rev Respir Dis** 112(4):565–9, Oct 75

Letter: Vocal cord paralysis due to pulmonary tuberculosis. Snider GL. **Am Rev Respir Dis** 113(3):401, Mar 76

Causes of recurrent laryngeal nerve paralysis. Titche LL. **Arch Otolaryngol** 102(5):259–61, May 76

Intramedullary tuberculoma of the spinal cord. Bresnihan ER, et al. **Br Med J** 4(5990):205–6, 25 Oct 75

Axillary artery occlusion and pulmonary tuberculosis. Nicholson G, et al. **Br Med J** 4(5997):626, 13 Dec 75

Association of pulmonary tuberculosis and cryptococcosis. Jha VK, et al. **Indian J Chest Dis** 16(4):411–4, Oct 74

Bronchiectasis in respiratory tuberculosis. Mukhopadhya CC. **Indian J Chest Dis** 18(1):13–24, Jan 76

Co–existent pulmonary tuberculosis and myeloid leukaemia—a case report. Vachharajani SD, et al. **Indian J Chest Dis** 18(1):56–8, Jan 76

Obscure causes of hemoptysis. Carroll D. **Md State Med J** 24(10):87–90, Oct 75

Appetite stimulation and weight gain with cyproheptadine (periactin) in tuberculosis patients (double–blind clinical study). Rahman KM. **Med J Malaysia** 29(4):270–4, Jun 75

Secondary lesions of the nervous system in some infectious and toxic—allergic conditions in Zambia. Kiselev VB. **Med J Zambia** 9(5):125–7, Oct–Nov 75

Lung carcinoma superimposed on pulmonary tuberculosis. Ting YM, et al. **Radiology** 119(2):307–12, May 76

Pulmonary tuberculosis in diabetes mellitus. Doost JY, et al. **Trop Geogr Med** 27(4):351–3, Dec 75

Progressive lung disease in patients with tuberculosis and ankylosing spondylitis. Andrews RH, et al. **Tubercle** 55(2):91–8, Jun 74

Lymphomatoid granulomatosis of the lung associated with active tuberculosis. Damjanov I, et al.

Z Erkr Atmungsorgane 143(1):56–60, Apr 75
[Report of 2 cases of pulmonary tuberculosis with tracheoesophageal fistula] Fu RC. **Chin Med J [Engl]** (6):445–6, 36, 1975 **(Chi)**
[Is the association of asbestosis with lung tuberculosis still a separate entity? (author's transl)] Van Ganse W, et al. **Acta Tuberc Pneumol Belg** 66(6):520–30, Nov–Dec 75 (Eng. Abstr.) **(Dut)**
[Characteristics of fibrous lesions] Dankova L. **Bull Int Union Tuberc** 49(1):306–12, 1974 **(Fre)**
[Broncho-pulmonary hamartochondromas and hamartomas. Unusual sites and disease associations (apropos of 7 cases)] Le Melletier J, et al. **Poumon Coeur** 30(6):431–8, 1974 (Eng. Abstr.) **(Fre)**
[Indication for surgery in the treatment of obliterative vascular diseases of the lower limb in patients with pulmonary tuberculosis] Balogh A, et al. **Acta Chir Acad Sci Hung** 16(4):299–305, 1975 (Eng. Abstr.) **(Ger)**
[Acute lymphoblastic leukemia after tuberculosis in a 8-year old greek boy with homozygous beta-thalassemia (author's transl)] Lau B, et al. **Klin Paediatr** 187(4):357–60, Jul 75 (Eng. Abstr.) **(Ger)**
[Syntropy between gastric and duodenal ulcers and tuberculosis? (author's transl)] Schwabe HK. **Prax Pneumol** 30(3):137–53, Mar 76 (Eng. Abstr.) **(Ger)**
[Correlations between pulmonary tuberculosis and lung cancer and the effect of chemotherapy on tumor growth] Patsch VJ. **Wien Med Wochenschr** 125(25–27):420–2, 20 Jun 75 **(Ger)**
[Therapeutic results using Hepsan in liver-damaged tuberculosis patients] Olbrich H. **Z Allgemeinmed** 51(18):837–8, 30 Jun 75 **(Ger)**
[Bronchial tuberculosis] Awataguchi S. **Kekkaku** 50(11):509–10, Dec 75 **(Jpn)**
[Pulmonary tuberculosis and pneumoconiosis] Horai Z. **Kekkaku** 50(11):600–2, Dec 75 **(Jpn)**
[Pulmonary tuberculosis and lung cancer] Kageyama K, et al. **Kekkaku** 50(11):607–11, Dec 75 **(Jpn)**
[Pulmonary tuberculosis and mycotic lung disease] Sawasaki H, et al. **Kekkaku** 50(11):602–5, Dec 75 **(Jpn)**
[Infiltrative pulmonary tuberculosis as the cause of disability in the City of Łódź in the years 1969–1971] Pawlik M. **Gruzlica** 43(9):793–800, Sep 75 (Eng. Abstr.) **(Pol)**
[Diagnostic difficulties in congenital heart disease associated with pulmonary tuberculosis in an 8-year-old boy with hemiplegia and polyarthritis] Kubicz S. **Pol Przegl Radiol** 39(6):723–6, Nov–Dec 75 (Eng. Abstr.) **(Pol)**
[Case of pulmonary tuberculosis complicated by actinomycosis of the paravesical region] Gondzik M, et al. **Wiad Lek** 28(22):1869–71, 15 Nov 75 (Eng. Abstr.) **(Pol)**
[Association of active pulmonary tuberculosis and pulmonary neoplasms] Marin I, et al. **Rev Ig [Pneumoftiziol]** 24(1):29–34, Jan–Mar 75 (Eng. Abstr.) **(Rum)**
[Inter-relations between pulmonary tuberculosis and diabetes mellitus] Sfîrleză V, et al. **Rev Ig [Pneumoftiziol]** 25(1–2):39–42, Jan–Mar 76 (Eng. Abstr.) **(Rum)**
[Bacterio-epidemiological significance of diabetes mellitus-pulmonary tuberculosis syntropy] Tomoşoiu M. **Rev Ig [Pneumoftiziol]** 24(4):231–4, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[Pathomorphology of pulmonary aspergillosis in tuberculosis patients based on according to resection material] Zemskova ZS, et al. **Arkh Patol** 38(4):37–42, Apr 76 (Eng. Abstr.) **(Rus)**
[Changes in resistance to the tumor process subserved by the presence of a focus of tuberculosis mycobacteria in the lungs] Volegov AL. **Biull Eksp Biol Med** 81(2):220–1, Feb 76 (Eng. Abstr.) **(Rus)**
[Diagnosis and surgical treatment of pulmonary lesions in the presence of a tracheal bronchus] Lifshits NA, et al. **Grudn Khir** (3):101–3, May–Jun 74 **(Rus)**
[Reconstructive operations in bronchial stenosis of tuberculous etiology] Perel'man MI, et al. **Khirurgiia (Mosk)** (12):51–7, Dec 75 (Eng. Abstr.) **(Rus)**
[Primary cancer and tuberculosis of the lungs] Rabukhin AE, et al. **Klin Med (Mosk)** 53(12):63–8, Dec 75 **(Rus)**
[Gastric resection in pulmonary tuberculosis] Tarshis VE, et al. **Klin Med (Mosk)** 53(12):75–8, Dec 75 (Eng. Abstr.) **(Rus)**
[Peptic ulcer in patients with pulmonary tuberculosis] Ukhanova NV. **Klin Med (Mosk)** 53(8):48–51, Aug 75 **(Rus)**
[Megavolt therapy of bronchial and esophageal cancer under conditions of concommitant pulmonary tuberculosis] Rabinovich RM, et al. **Med Radiol (Mosk)** 21(2):17–22, Feb 76 (Eng. Abstr.) **(Rus)**
[Diseases of the accessory nasal sinuses in patients with pulmonary tuberculosis] Avsianikov AP, et al. **Probl Tuberk** (8):85–6, 1975 **(Rus)**
[State of the bronchi in fibrous-cavernous pulmonary tuberculosis] Belen'kii MS, et al. **Probl Tuberk** (10):42–4, 1975 (Eng. Abstr.) **(Rus)**
[Chronic nonspecific lung diseases in patients cured of tuberculosis] Belova GD. **Probl Tuberk** (9):35–9, 1975 (Eng. Abstr.) **(Rus)**
[Peculiarities of the formation and course of caverns with the presence of calcinates in their walls] Dimakova RN, et al. **Probl Tuberk** (12):24–6, 1975 (Eng. Abstr.) **(Rus)**
[Roentgenological diagnosis of secondary bullous dystrophy and progressive lung dystrophy in patients with tuberculosis] Dmitrieva LI. **Probl Tuberk** (4):48–51, 1975 (Eng. Abstr.) **(Rus)**
[Clinico-epidemiological importance of detection of Australia antigen in patients with tuberculosis] Gerasun BA, et al. **Probl Tuberk** (9):50–4, 1975 (Eng. Abstr.) **(Rus)**
[Radiodiagnosis of lung cancer in patients with pulmonary tuberculosis] Ginzburg MA, et al. **Probl Tuberk** (12):45–9, 1975 (Eng. Abstr.) **(Rus)**
[Combined surgical treatment and rehabilitation of patients with combined renal and pulmonary tuberculosis] Iatsozhinskiĭ IuD, et al. **Probl Tuberk** (6):34–7, 1975 (Eng. Abstr.) **(Rus)**
[Clinico-radiographic peculiarities of nonspecific pneumonia developing against a background of posttuberculous changes] Karachunskiĭ MA, et al. **Probl Tuberk** (21):57–61, Feb 76 (Eng. Abstr.) **(Rus)**
[Importance of three-dimensional precordial vectocardiography in diagnosis of chronic cor pulmonale in patients with pulmonary tuberculosis] Kopelovich IuK. **Probl Tuberk** (11):23–6, 1975 (Eng. Abstr.) **(Rus)**
[Lung cancer in patients with tuberculosis] Kubrik NE, et al. **Probl Tuberk** (10):30–4, 1975 (Eng. Abstr.) **(Rus)**
[Forms of intrathoracic tuberculosis in adolescents and their connection with primary infection] Lebedeva LV, et al. **Probl Tuberk** (10):26–30, 1975 (Eng. Abstr.) **(Rus)**
[Diagnostic importance of isolation of Australia antigen in tuberculous patients with viral hepatitis] Mirzaev KM, et al. **Probl Tuberk** (9):47–50, 1975 (Eng. Abstr.) **(Rus)**
[Acute pneumonias in pulmonary tuberculosis] Myskin MA, et al. **Probl Tuberk** (7):53–6, Jul 76 (Eng. Abstr.) **(Rus)**
[Changes in the bronchi in middle-aged and old patients with pulmonary tuberculosis (according to bronchoscopic data)] Pogorel'tsev AG. **Probl Tuberk** (5):48–50, May 76 (Eng. Abstr.) **(Rus)**
[Hyperdiagnosis of pleurisy of tuberculous etiology in middle-aged and old patients] Rasshivalov SK. **Probl Tuberk** (11):34–8, 1975 (Eng. Abstr.) **(Rus)**
[Effectiveness of surgical treatment of tuberculous pleural empyema in old persons] Romanova EN, et al. **Probl Tuberk** (11):30–4, 1975 (Eng. Abstr.) **(Rus)**
[Periarteritis nodosa in patients with pulmonary tuberculosis] Savula MM, et al. **Probl Tuberk** (9):80–2, 1975 **(Rus)**
[Detection of lesions of the bronchial tree in children and adolescents with tuberculosis] Shapoval NM, et al. **Probl Tuberk** (7):46–51, 1975 (Eng. Abstr.) **(Rus)**
[Nonspecific endobronchitis in patients with pulmonary tuberculosis (according to bronchoscopic data)] Shesterina MV. **Probl Tuberk** (9):19–23, 1975 (Eng. Abstr.) **(Rus)**
[Relationship between bronchial and pulmonary changes in patients with fibro-cavernous pulmonary tuberculosis] Strelis AK. **Probl Tuberk** (4):38–41, 1975 (Eng. Abstr.) **(Rus)**
[Polarographic study of the blood serum in patients with pulmonary tuberculosis complicated by viral hepatitis] Tammepyld EK, et al. **Probl Tuberk** (6):43–7, 1975 (Eng. Abstr.) **(Rus)**
[Morphological characteristics of the pathological process in the liver in patients with pulmonary tuberculosis complicated by viral hepatitis] Tammepyld EK, et al. **Probl Tuberk** (12):64–9, 1975 (Eng. Abstr.) **(Rus)**
[Association of diabetes mellitus and pulmonary tuberculosis (based on sanatorium data)] Tarasov GG. **Probl Tuberk** (4):55–60, 1975 (Eng. Abstr.) **(Rus)**
[Pathogenesis of granulomatous reactions in the liver in tuberculosis] Tkachuk VI. **Probl Tuberk** (21):77–82, Feb 76 (Eng. Abstr.) **(Rus)**
[Residual changes in the lungs of persons cured of tuberculosis by different methods] Velichko SA, et al. **Probl Tuberk** (11):17–20, 1975 (Eng. Abstr.) **(Rus)**
[State of bronchial tree in tuberculosis associated with chronic pneumonia] Vitols AV, et al. **Probl Tuberk** (5):44–8, May 76 (Eng. Abstr.) **(Rus)**
[Changes in the bronchi in patients with pulmonary tuberculosis complicated by bronchial asthma] Zemskov IuA, et al. **Probl Tuberk** (6):82–3, 1975 **(Rus)**
[Syndrome of chronic staphylococcal intoxication in patients with fibrous-cavernous pulmonary tuberculosis] Zinov'ev IP. **Probl Tuberk** (8):62–6, 1975 **(Rus)**
[Viral hepatitis and pulmonary tuberculosis] Agraval PD. **Ter Arkh** 47(8):71–4, 1975 (Eng. Abstr.) **(Rus)**
[Bronchial obstruction in patients with post-tuberculous pneumosclerosis] Kovalenko AM. **Ter Arkh** 47(10):101–3, 1975 (Eng. Abstr.) **(Rus)**
[Cases of detection of Mycobacterium tuberculosis in patients with nonspecific diseases of the lungs] Rudoĭ NM, et al. **Ter Arkh** 47(8):108–9, 1975 (Eng. Abstr.) **(Rus)**
[Tuberculous changes in the lungs and the state of tuberculin allergy in patients with diabetes mellitus according to the data of prophylactic examinations] Smurova TF. **Ter Arkh** 47(8):125–9, 1975 (Eng. Abstr.) **(Rus)**
[Epidemic hepatitis in patients with newly detected pulmonary tuberculosis] Diminchen MN. **Vrach Delo** (1):109–11, Jan 74 (Eng. Abstr.) **(Rus)**
[Difficulties in the diagnosis of metatuberculous pneumonia] Mirinov GB. **Vrach Delo** (12):56–9, Dec 75 (Eng. Abstr.) **(Rus)**
[Clinical characteristics of nonspecific endobronchitis in patients with pulmonary tuberculosis] Shesterina MV, et al. **Vrach Delo** (3):104–8, Mar 76 **(Rus)**
[Characteristics of clinical course of diabetes mellitus in patients with pulmonary tuberculosis] Tarasov GG. **Vrach Delo** (9):86–8, Sep 75 (Eng. Abstr.) **(Rus)**
[Evaluation and significance of arterial pulmonary hypertension in chronic tuberculosis patients] Dangubić V. **Vojnosanit Pregl** 33(1):46–50, Jan–Feb 76 **(Ser)**

CONGENITAL

[Congenital tuberculosis. Description of a case] Morales ME, et al. **Bol Med Hosp Infant Mex** 33(1):91–4, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Computer files and analyses of laboratory data from tuberculosis patients. II. Analyses of six years' data on sputum specimens. Blair EB, et al. **Am Rev Respir Dis** 113(4):427–32, Apr 76
Letter: Evidence for infection by two distinct strains of Myobacterium tuberculosis in pulmonary tuberculosis. Mitchison DA. **Am Rev Respir Dis** 113(4):571–2, Apr 76
Relapse in pulmonary tuberculosis. Pamra SP, et al. **Am Rev Respir Dis** 113(1):67–72, Jan 76
Skin testing: a comparison of the jet injector with the Mantoux method. Wijsmuller G, et al. **Am Rev Respir Dis** 112(6):789–98, Dec 75
Letter: Acid-fast smears in tuberculosis detection. Borchardt KA, et al. **Ann Intern Med** 84(3):344, Mar 76
Letter: Detection of tuberculosis: acid-fast smear method. Bordow RA. **Ann Intern Med** 83(4):584–5, Oct 75
Proceedings: Modern methods of case finding: discussion. **Bull Int Union Tuberc** 49 suppl 1:65–7, Aug 74
Proceedings: Modern Methods of case finding: Malaysia. Sodhy JS. **Bull Int Union Tuberc** 49 suppl 1:63–4, Aug 74
Proceedings: Modern methods of case finding (who). Toman K. **Bull Int Union Tuberc** 49 suppl 1:62–3, Aug 74
Proceedings: Modern methods of case finding: India. Tripathy SP. **Bull Int Union Tuberc** 49 suppl 1:64, Aug 74
Screening for tuberculosis. Edwards PQ. **Chest** 68(3 SUPPL):451–5, Sep 75
Tuberculosis case finding by tuberculin testing a complete population, with follow-up. Furcolow ML. **Chest** 68(3 SUPPL):443–5, Sep 75
Tuberculosis screening and chest x-ray films. Reichman LB. **Chest** 68(3 SUPPL):448–51, Sep 75
Letter: Tuberculosis case finding. Reichman LB. **Chest** 68(4):611–2, Oct 75
Goals and productivity of tuberculosis screening. Stead WW. **Chest** 68(3 SUPPL):446–8, Sep 75
Systemic lupus erythematosus simulating pulmonary tuberculosis (a case report). Sinha DN, et al. **J Assoc Physicians India** 23(3):217–9, Mar 75
Apparent false positive histoplasmin latex agglutination tests in patients with tuberculosis. DiSalvo AF, et al. **J Clin Microbiol** 3(3):306–8, Mar 76
Letter: False-positive acid-fast smears. Casemore DP, et al. **Lancet** 2(7945):1153–4, 6 Dec 75
Atypical myelogenous leukemia simulating tuberculous pneumonia. Robinson MG, et al. **NY State J Med** 75(14):2548–52, Dec 75
Diagnosis of pulmonary tuberculosis in children. Santosa G. **Paediatr Indones** 15(11–12):286–96, Nov–Dec 75
Serological diagnosis of tuberculosis: a report of 12 months' clinical experience. Nicholls AC, et al. **Thorax** 31(3):289–93, Jun 76
A new case-finding programme in a region of Taiwan. Luan HW. **Tubercle** 55(2):121–7, Jun 74
[Significance of endogenous reactivation. 30 years' observation of subjects whose tuberculin test reaction has changed] Chiba Y. **Bull Int Union Tuberc** 49(1):347–50, 1974 **(Fre)**
[Results of examinations at admission time to the study of fibrous lesions and pulmonary tuberculosis] Krebs A. **Bull Int Union Tuberc** 49(1):313–8, 1974 **(Fre)**
[Identification of the sources of tuberculosis infection in countries with a low incidence of tuberculosis] Toman K. **Bull Int Union Tuberc** 49(1):208–21, 1974 **(Fre)**
[Mass tuberculin tests: are they really an efficient means of identifying the sources of infection?] Van Geuns HA. **Bull Int Union Tuberc** 49(1):222–6, 1974 **(Fre)**
[Comparative allergological study of Mycobacterium tuberculosis of the classical type and Mycobacterium tuberculosis var. Africanum (apropos of 400 intradermoreactions)] de Medeiros D, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):96–104, 1974 (Eng. Abstr.) **(Fre)**
[Direct microscopy and the screening for tuberculosis] Azouz L, et al. **Tunis Med** 52(6):299–303, Nov–Dec 74 **(Fre)**
[Microbiological diagnostic of tuberculosis] Opferkuch W. **Immun Infekt** 1(1):38–42, Oct 73 (Eng. Abstr.) **(Ger)**
[Evaluation of tuberculosis as a public assistance disease] pp. 36–8. Nohl M.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**
[Clinical significance of gamma glutamyl transpeptidase] Förster H, et al. **Med Welt** 26(37):1642–4, 12 Sep 75 **(Ger)**
[Mass radiography in Northrhine-Westphalia (author's transl)] Arens FJ. **Prax Pneumol** 29(12):687–92, Dec 75 (Eng. Abstr.) **(Ger)**
[Simultaneous tuberculin testing with the Mendel-Mantoux and the patch test (author's transl)] Bauer W. **Prax Pneumol** 29(10):568–75, Oct 75 (Eng. Abstr.) **(Ger)**
[Changes in the clinical features of pulmonary tuberculosis during the past 20 years (author's transl)] Wagener C, et al. **Prax Pneumol** 29(3):135–49, Mar 75 (Eng. Abstr.) **(Ger)**

[Clinical studies on the phosphatide kaolin agglutination test (author's transl)] Fujino T. **Kekkaku** 51(3):75–82, Mar 76 (Eng. Abstr.) **(Jpn)**

[Clinical diagnosis of tuberculosis] Oka S. **Kekkaku** 50(11):511–2, Dec 75 **(Jpn)**

[Pulmonary tuberculosis discovered by methods other than radiophotography] Bobohalma N, et al. **Rev Ig [Pneumoftiziol]** 24(3):162, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Abacillary cavitary pulmonary tuberculosis not treated with bacteriostatics] Deutsch M, et al. **Rev Ig [Pneumoftiziol]** 24(4):227–30, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Comparative study of biological case findings made with 1 and with 2 units of PPD] Dobre V. **Rev Ig [Pneumoftiziol]** 24(4):203–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Combination of radiophotographic and tuberculin detection in groups of young people] Rogoz I, et al. **Rev Ig [Pneumoftiziol]** 24(3):167–8, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Radiophotographic and simultaneous bacteriological detection in an industrial group] Străuţiu R, et al. **Rev Ig [Pneumoftiziol]** 24(2):93–6, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Pneumological consultation practice in an anti–tuberculosis dispensary] Teodoru R, et al. **Rev Ig [Pneumoftiziol]** 24(1):19–22, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Circumstances concerning the diagnosis of tuberculosis in a pneumology department] Untearu G, et al. **Rev Ig [Pneumoftiziol]** 24(1):23–8, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Difficulties in the differentiation of tuberculosis and lymph nodal–mediastinal sarcoidosis in adolescents] Hreniuc R, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):632–3, Oct–Dec 75 **(Rum)**

[Complex roentgeno–bronchological studies in differential diagnosis of tuberculosis] Kazakov AF, et al. **Grudn Khir** (3):71–4, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of certain round formations in the lungs] Kostina ZI, et al. **Klin Med (Mosk)** 53(8):74–80, Aug 75 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of tuberculosis and nonspecific pneumonia] Marchak VV, et al. **Klin Med (Mosk)** 52(2):29–31, Feb 74 (Eng. Abstr.) **(Rus)**

[Comparative study of different methods of determination of tuberculin–fractional ESR] Akhmetkuzhin AA. **Lab Delo** (4):198–201, 1975 **(Rus)**

[Determination of the activity of pulmonary tuberculosis] Chumakova LP. **Probl Tuberk** (8):82–3, 1975 **(Rus)**

[Early diagnosis of active pulmonary tuberculosis through isolation of a specific antigen in patients' blood] Knoring BE, et al. **Probl Tuberk** (11):13–7, 1975 (Eng. Abstr.) **(Rus)**

[Importance of certain serological tests in diagnosis of pulmonary tuberculosis and sarcoidosis] Kostina ZI, et al. **Probl Tuberk** (4):45–8, 1975 (Eng. Abstr.) **(Rus)**

[Tentative therapy as a method of differential diagnosis of acute pneumonia and infiltrative tuberuclosis] Priss BN, et al. **Probl Tuberk** (4):52–5, 1975 (Eng. Abstr.) **(Rus)**

[Determination of the activity of recently diagnosed mild forms of pulmonary tuberculosis in adults] Rastvortseva TN. **Probl Tuberk** (21):87–91, Feb 76 (Eng. Abstr.) **(Rus)**

[Clinico–roentgenological characteristics of chronic pneumonia in suspected pulmonary tuberculosis] Romanchenko NN. **Probl Tuberk** (5):53–7, May 76 (Eng. Abstr.) **(Rus)**

[Bronchoscopy under anesthesia in an outpatient clinic] Saprykin VG, et al. **Probl Tuberk** (10):38–41, 1975 (Eng. Abstr.) **(Rus)**

[Effect of the method of detecting pulmonary tuberculosis on the clinical aspects and immediate results of treatment] Shcherbakov AI. **Probl Tuberk** (7):46–50, Jul 76 (Eng. Abstr.) **(Rus)**

[Lung developmental defects in the clinical aspects of pulmonary tuberculosis] Zagorskaia ZK, et al. **Probl Tuberk** (7):60–3, Jul 76 (Eng. Abstr.) **(Rus)**

[Errors in diagnosis of hematogenic–disseminated pulmonary tuberculosis] Malitskiĭ AT, et al. **Sov Med** (8):142–3, Aug 75 **(Rus)**

[Differential diagnosis of a round infiltrative tubercular focus and pulmonary tuberculoma] Ivannikov ID. **Vestn Khir** 115(11):58–61, Nov 75 (Eng. Abstr.) **(Rus)**

[Work of the troop physician in the timely diagnosis and prevention of tuberculosis] Bodarev VKh. **Voen Med Zh** (10):78–80, Oct 75 **(Rus)**

[Tuberculosis of the VIth pulmonal segment in the present time (author's transl)] Rákay A, et al. **Bratisl Lek Listy** 64(3):333–9, Sep 75 (Eng. Abstr.) **(Slo)**

[Tuberculosis of the VIth pulmonal segment in the present time (author's transl)] Rákay A, et al. **Bratisl Lek Listy** 64(3):333–9, Sep 75 (Eng. Abstr.) **(Slo)**

[Bacteriological diagnosis of tuberculosis in childhood] de Marchesini LS, et al. **Bol Of Sanit Panam** 79(2):131–5, Aug 75 (Eng. Abstr.) **(Spa)**

[Importance of certain cellular reactions for the differential diagnosis of tuberculosis in children and adolescents] Kostromina VP. **Pediatr Akush Ginekol** (1):14–5, Jan–Feb 75 **(Ukr)**

[Differential diagnosis of tuberculous intoxication in children and adolescents] Shapoval NM. **Pediatr Akush Ginekol** (1):16–8, Jan–Feb 75 **(Ukr)**

DRUG THERAPY

A continuing survey of primary drug resistance in tuberculosis, 1961 to 1968. A U.S. Public Health Service cooperative study. Doster B, et al. **Am Rev Respir Dis** 113(4):419–25, Apr 76

Rifampin and cell–mediated immune responses in tuberculosis. Goldstein RA, et al. **Am Rev Respir Dis** 113(2):197–202, Feb 76

Discharge of tuberculosis patients from medical surveillance. Hopewell PD, et al. **Am Rev Respir Dis** 113(5):709–10, May 76

Letter: Tuberculosis care in general hospitals: Arizona's experience. Pearson JO. **Am Rev Respir Dis** 114(1):249–50, Jul 76

Lack of effect of rifampin on the antibody response to a viral antigen in patients with tuberculosis. Silvestri LG. **Am Rev Respir Dis** 112(5):739–41, Nov 75

A clinical study on controlled therapy in newly–diagnosed pulmonary tuberculosis using combinations of antituberculosis drugs by the daily continuous and intermittent methods. **Arch Immunol Ther Exp (Warsz)** 24(2):169–84, 1976

Concurrent comparison of an unsupervised daily oral regimen of thiacetazone plus isoniazid and a fully supervised twice–weekly regimen of streptomycin plus isoniazid in the domiciliary treatment of pulmonary tuberculosis—a co–operative investigation. Menon K. **Bull Int Union Tuberc** 49 suppl 1:131–2, Aug 74

Fully supervised intermittent chemotherapy in the Canberra Chest Clinic 1968—72. Proust AJ. **Bull Int Union Tuberc** 49 suppl 1:316–8, Aug 74

Management of drug resistant tuberculosis. Supcharoen S. **Bull Int Union Tuberc** 49 suppl 1:286–7, Aug 74

Experimental and clinical study on the antituberculous activity of tuberactinomycin–N, a new antibiotic. Toyoara M. **Bull Int Union Tuberc** 49 suppl 1:288–91, Aug 74

Drug resistance in patients with pulmonary tuberculosis. Cheung OT. **Can Med Assoc J** 113(9):848–9, 8 Nov 75

Influence of immunosuppression on the action of antimycobacterial drugs in experimental tuberculosis. I. Effects of isoniazid, rifampicin and streptomycin on the survival of tuberculous mice immunosuppressed by azathioprine (Imuran). Trnka L, et al. **Chemotherapy** 22(6):353–61, 1976

Practicalities in tuberculosis treatment. An epilogue. Addington WW, et al. **Chest** 68(3 SUPPL):478–9, Sep 75

Variations between individuals and populations in the acetylation of isoniazid and its significance for the treatment of pulmonary tuberculosis. Ellard GA. **Clin Pharmacol Ther** 19(5 Pt 2):610–25, May 76 (70 ref.)

Short–course treatment in pulmonary tuberculosis. Jindani A. **East Afr Med J** 52(9):472–80, Sep 75

Combinations of antituberculous drugs in the initial treatment of pulmonary tuberculosis: comparison of streptomycin, isoniazid, ethambutol and rifampicin. pp. 146–53. Lacquet LM, et al. **In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.**

Bacteriological aspects of combinations of drugs in the treatment of tuberculosis. pp. 154–64. Verbist L. **In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.**

Cycloserine plus ethionamide plus pyrazinamide in the treatment of patients excreting isoniazid–resistant tubercle bacilli following previous chemotherapy. Ramakrishnan CV, et al. **Indian J Med Res** 64(1):76–82, Jan 76

Two phase chemotherapy with streptomycin isoniazid and ethambutol, followed by isoniazid and ethambutol. Purohit SD, et al. **J Assoc Physicians India** 23(6):385–9, Jun 75

Chemotherapy of tuberculosis. Pinsker KL, et al. **J Maine Med Assoc** 67(3):70–8, Mar 76

Changes in handling pulmonary tuberculosis. Reid LR. **J Miss State Med Assoc** 16(10):315–20, Oct 75

Comparative trial of thiacetazone with isoniazid and paraaminosalicyclic acid (PAS) with isoniazid in the treatment of pulmonary tuberculosis in Nigerians. Onadeko BO, et al. **J Trop Med Hyg** 78(9):201–5, Sep 75

Chemotherapy of pulmonary tuberculosis. Shah SS. **JPMA** 25(8):215–6, Aug 75

Chemotherapy of pulmonary tuberculosis. Shah SS. **JPMA** 25(8):215–6, Aug 75

Controlled trial of intermittent regimens of rifampicin plus isoniazid for pulmonary tuberculosis in Singapore. **Lancet** 2(7945):1105–9, 6 Dec 75

First–line chemotherapy in the retreatment of bacteriological relapses of pulmonary tuberculosis following a shortcourse regimen. **Lancet** 1(7952):162–3, 24 Jan 76

The treatment of tuberculosis and leprosy. Ellard GA. **Lepr Rev** 46(3):149–55, Sep 75

Treatment of in–patient pulmonary tuberculosis. Rasjid R. **Paediatr Indones** 15(11–12):297–302, Nov–Dec 75

Ethionamide + cycloserine + pas vs isoniazid + streptomycin + pas in initial antiburerculosis chemotherapy followed by the standard regimen. A controlled study with special reference to the microscopic enumeration of bacillia as a criterion of efficacy. **Pneumonologie** 151(3):167–84, 1975

A comparison of rifampicin, ethambutol or PAS in short–term monotherapy in pretreated cavitary pulmonary tuberculosis. **Pneumonologie** 153(1):43–59, 12 Dec 75

Chemotherapy for tuberculosis. Lester W. **Postgrad Med** 60(9):112–7, Sep 76

Treatment of pulmonary tuberculosis in a patient on maintenance haemodialysis. Smith FW, et al. **Postgrad Med J** 50(585):478, Jul 74

On the pharmacokinetics of rifampicin during treatment with intermittent administration. II. Influence of age and sex and of the patients. Iwainsky H, et al. **Scand J Respir Dis** 57(1):5–11, 1976

Controlled trial of 6– and 9–month regimens of daily and intermittent streptomycin plus isoniazid plus pyrazinamide for pulmonary tuberculosis in Hong Kong. **Tubercle** 56(2):81–96, Jun 75

A controlled trial of daily and intermittent rifampicin plus ethambutol in the retreatment of patients with pulmonary tuberculosis: results up to 30 months. **Tubercle** 56(3):179–89, Sep 75

A study in Hong Kong to evaluate the role of pretreatment susceptibility tests in the selection of regimens of chemotherapy for pulmonary tuberculosis—second report. A Hong Kong Tuberculosis Treatment Services/British Medical Research Council Investigation. **Tubercle** 55(3):169–92, Sep 74

A controlled clinical trial of daily and intermittent regimens of rifampicin plus ethambutol in the retreatment of patients with pulmonary tuberculosis in Hong Kong. A Hong Kong Tuberculosis Treatment Services/Brompton Hospital/British Medical Research Council investigation. **Tubercle** 55(1):1–27, Mar 74

A Hong Kong Tuberculosis Treatment Services/Brompton Hospital/British Medical Research Council Investigation. **Tubercle** 55(1):1–27, Mar 74

A controlled clinical trial of the role of thiacetazone–containing regimens in the treatment of pulmonary tuberculosis in Singapore: second report. **Tubercle** 55(4):251–60, Dec 74

A pilot study of two regimens of intermittent thiacetazone plus isoniazid in the treatment of pulmonary tuberculosis in East Africa. **Tubercle** 55(3):211–21, Sep 74

A controlled clinical trial of small daily doses of rifampicin in the prevention of adverse reactions to the drug in a once–weekly regimen of chemotherapy in Hong Kong: second report:–the results at 12 months. **Tubercle** 55(3):193–210, Sep 74

A comparative study of daily and twice–weekly continuation regimens of tuberculosis chemotherapy, including a comparison of two durations of sanatorium treatment. **Tubercle** 57(1):45–8, Mar 76

Adverse reactions to short–course regimens containing streptomycin, isoniazid, pyrazinamide and rifampicin in Hong Kong. **Tubercle** 57(2):81–95, Jun 76

A comparative study of daily followed by twice– or once–weekly regimens of ethambutol and rifampicin in the retreatment of patients with pulmonary tuberculosis: second report. **Tubercle** 57(2):105–13, Jun 76

Treatment of isoniazid–resistant pulmonary tuberculosis with ethambutol, rifampicin and capreomycin: a co–operative study in England and Wales. Andrews RH, et al. **Tubercle** 55(2):105–13, Jun 74

A tuberculosis treatment survey in Singapore: results at five–years. Chew CH. **Tubercle** 57(2):131–6, Jun 76

Serum concentrations and antituberculosis activity of thiacetazone. Ellard GA, et al. **Tubercle** 55(1):41–54, Mar 74

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazed for primary treatment: the influence of various factors on the frequency of side–effects. Eule H, et al. **Tubercle** 55(1):81–9, Mar 74

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazid for primary treatment: the influence of various factors on the frequency of side–effects. Eule H, et al. **Tubercle** 55(1):81–9, Mar 74 (14 ref.)

A study of adverse reactions to high dosage intermittent thiacetazone. Fox W, et al. **Tubercle** 55(1):29–40, Mar 74

Hong Kong Tuberculosis Treatment Services/British Medical Research Council study of short–course regimens of streptomycin, isoniazid and pyrazinamide: latest results. Girling DJ. **Tubercle** 56(2):165–6, Jun 75

Studies of immediate adverse reactions to different doses of a slow–release preparation of isoniazid. Parthasarathy R, et al. **Tubercle** 57(2):115–21, Jun 76

Study of adverse reactions to a once–weekly regimen of streptomycin plus a slow–release preparation of isoniazid in high dosage for six months. Santha T, et al. **Tubercle** 57(2):123–30, Jun 76

Proceedings: Short course chemotherapy in pulmonary tuberculosis: a controlled trial by the British Thoracic and Tuberculosis Association. (A report from one of the three clinical co–ordinators). Somner AR. **Tubercle** 56(2):165, Jun 75

The Pembine Therapy Conference. Owen GC. **Wis Med J** 75(3):46–8, Mar 76

[Recent news in the treatment of tuberculosis. Our current therapeutic state] Giunio N. **Plucne Bolesti Tuberk** 27(4):253–5, Oct–Dec 75 (Eng. Abstr.) **(Cro)**

[Effect of hospital treatment on further regularity of the tuberculosis therapy] Kučanda F. **Plucne Bolesti Tuberk** 27(4):264–8, Oct–Dec 75 (Eng. Abstr.) **(Cro)**

[Changes in the incidence of microscopically positive findings along with negative culture of M. tuberculosis in patients treated with rifampicin] Popovic I, et al. **Plucne Bolesti Tuberk** 27(1–2):47–52, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

[Current aspects in treatment of tuberculosis] Tala E. **Duodecim** 92(10):505–13, 1976 (Eng. Abstr.) **(Fin)**

[Progressive tuberculosis in the adult, its terrain and specific

therapeutic test] Sternon J, et al. **Acta Clin Belg** 30(5):415–24, 1975 (Eng. Abstr.) **(Fre)**

Intermittent chemotherapy of pulmonary tuberculosis using rifampicin and isoniazed for primary treatment: the influence of various factors on the frequency off side-effects. Aubert MF, et al. **Ann Parasitol Hum Comp** 51(1):143–56, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Controlled therapeutic study of 5 intermittent chemotherapy regimens for pulmonary tuberculosis. 4th international study of the UICT] Bignall JR. **Bull Int Union Tuberc** 49(1):422–6, 1974 **(Fre)**

[Modern principles for the organization of drug therapy in tuberculosis] Bondarev IM. **Bull Int Union Tuberc** 49(1):234–40, 1974 **(Fre)**

[Cooperative study of short-term antibacillary treatments in 14 French centers] Brouet G. **Bull Int Union Tuberc** 49(1):398–410, 1974 **(Fre)**

[Results of controlled therapeutic trials. I. Short-term regimens. Introduction] Chew CH. **Bull Int Union Tuberc** 49(1):385–7, 1974 **(Fre)**

[Results of controlled therapeutic trials. I. Short-term regimens. Conclusion] Chew CH. **Bull Int Union Tuberc** 49(1):418–9, 1974 **(Fre)**

[Daily and intermittent regimens using ethambutol and rifampicin in the treatment of unresponsive cases. (Evaluation after 1 year.) II. Side effects] Girling DJ. **Bull Int Union Tuberc** 49(1):451–5, 1974 **(Fre)**

[Daily and intermittent regimens using ethambutol and rifampicin in the treatment of unresponsive cases. (Evaluation after 1 year.) I. Clinical course] Horsfall PA. **Bull Int Union Tuberc** 49(1):447–51, 1974 **(Fre)**

[Short-term treatment of pulmonary tuberculosis] Karuga WK. **Bull Int Union Tuberc** 49(1):388–97, 1974 **(Fre)**

[Effectiveness, during the 1st year, of 3 treatment durations] Krebs A. **Bull Int Union Tuberc** 49(1):327–32, 1974 **(Fre)**

[Cooperative international studies, carried out in Czechoslovakia, on the length of hospital stay, intermittent continuation regimens, and total length of treatment] Polansky F, et al. **Bull Int Union Tuberc** 49(1):435–41, 1974 **(Fre)**

[Short-term chemotherapy of pulmonary tuberculosis. Pilot study] Poppe de Figueiredo F, et al. **Bull Int Union Tuberc** 49(1):411–7, 1974 **(Fre)**

[Results of controlled therapeutic trials. II. Intermittent regimens. Conclusion] Sunahara S. **Bull Int Union Tuberc** 49(1):456–7, 1974 **(Fre)**

[Madras study on intermittent oral chemotherapy using ethambutol and isoniazid] Tripathy SP. **Bull Int Union Tuberc** 49(1):427–34, 1974 **(Fre)**

[UICT survey on the length of preventive treatment of subjects with fibrous lesions—1st results. General Introduction] Woolpert SF, et al. **Bull Int Union Tuberc** 49(1):302–5, 1974 **(Fre)**

[Controlled comparison of daily and intermittent treatment regimens with rifampicin] Yamamoto K. **Bull Int Union Tuberc** 49(1):442–6, 1974 **(Fre)**

[Fatal Lyell's syndrome in a tuberculous patient during treatment] Fayc I, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):185–7, 1974 (Eng. Abstr.) **(Fre)**

[(Practical criteria for the evaluation of the results of a program of antituberculosis chemotherapy)] Chaulet P, et al. **Bull WHO** 51(2):179–90, 1974 (Eng. Abstr.) **(Fre)**

[Letter: Gynecomastia caused by isoniazid. Value of determination of the inactivation phenotype] Bergogne-Berezin E, et al. **Nouv Presse Med** 5(4):213–4, 24 Jan 76 **(Fre)**

[Tuberculosis] Pariente R. **Nouv Presse Med** 4(16):1213–6, 19 Apr 75 **(Fre)**

[Analytic study of 80 cases of pulmonary tuberculosis treated with the INH-STRE-PAS regime during 1971–2] Chabbou A, et al. **Tunis Med** 52(6):305–11, Nov–Dec 74 **(Fre)**

[Results of treatment with rifampicin in 39 patients hospitalized in our service during 1970–1971–1972] Maalej M, et al. **Tunis Med** 52(6):313–6, Nov–Dec 74 **(Fre)**

[Comparative evaluation of results of biweekly treatment of tuberculosis after daily treatment for 30 days and for more than 30 days] Pestiaux JL. **Tunis Med** 52(6):329–35, Nov–Dec 74 **(Fre)**

[The course of pulmonary tuberculosis in the initial phase of various intensive therapy combinations] Kindler U, et al. **Med Welt** 27(8):387–8, 20 Feb 76 **(Ger)**

[The adverse effects of 2 therapy combinations (SM, PAS, INH, RMP, INH, EMB) in the intensive treatment phase of pulmonary tuberculosis] Knop P, et al. **Med Welt** 27(8):389–90, 20 Feb 76 **(Ger)**

[The development of chemotherapy of pulmonary tuberculosis (author's transl)] Bartmann K. **Prax Pneumol** 29(12):705–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Advances in anti-tuberculosis therapy (author's transl)] Freeksen E, et al. **Prax Pneumol** 30(8):489–502, Aug 76 **(Ger)**

[Isoniazio, prothionamide and diafenylsulphone (isoprodian) in the therapy of previously untreated pulmonary (author's transl)] Müller W. **Prax Pneumol** 30(3):157–64, Mar 76 (Eng. Abstr.) **(Ger)**

[Relapse in tuberculosis (author's transl)] Neumann G. **Prax Pneumol** 29(3):150–5, Mar 75 (Eng. Abstr.) **(Ger)**

[A preliminary report on the clinical efficacy of isoprodian (author's transl)] Opl G, et al. **Prax Pneumol** 30(3):154–7, Mar 76 (Eng. Abstr.) **(Ger)**

[Clinical experience with isoprodian in the treatment of adult pulmonary tuberculosis (author's transl)] Orlowski EH. **Prax Pneumol** 30(4):224–9, Apr 76 (Eng. Abstr.) **(Ger)**

[Is prolonged hospitalization of the tuberculous patient still needed? (author's transl)] Sighart H. **Prax Pneumol** 29(7):369–75, Jul 75 (Eng. Abstr.) **(Ger)**

[Supplement to the 1972 recommendations for the therapy of respiratory tract tuberculosis] Steinbrück P, et al. **Z Erkr Atmungsorgane** 143(1):3, Apr 75 **(Ger)**

[Study on the incidence of Australia antigen in a controlled experiment of treatment with rifampicin] Patricolo MR. **Arch Monaldi** 29(5–6):477–82, Sep–Dec 74 **(Ita)**

[Side effects of antituberculous drugs observed within six months after admission. Tuberculosis Research Committee, Ryoken (author's transl)] **Kekkaku** 50(6):161–7, Jun 75 (Eng. Abstr.) **(Jpn)**

[Comparison between SM daily and twice weekly treatment in the regimen of SM, INH and PAS—particularly considering the degree of drug resistance— (report 1) (author's transl)] Baba H, et al. **Kekkaku** 50(7):191–7, Jul 75 (Eng. Abstr.) **(Jpn)**

[A study of prevalence of resistance to major drugs among newly admitted pulmonary tuberculosis patients in 1972. Part 2. Studies on the factors related to the prevalence of drug resistance (author's transl)] Gomi J, et al. **Kekkaku** 50(2):55–62, 15 Feb 75 (Eng. Abstr.) **(Jpn)**

[Rifampicin treatment for pulmonary tuberculosis—effectiveness of rifampicin on tubercle bacilli in pulmonary lesions (author's transl)] Kameda K, et al. **Kekkaku** 50(7):185–9, Jul 75 (Eng. Abstr.) **(Jpn)**

[The effects of tuberactinomycin-N (TUM-N) for severe pulmonary tuberculosis (author's transl)] Miwa T, et al. **Kekkaku** 50(8):229–33, Aug 75 (Eng. Abstr.) **(Jpn)**

[Comparative clinical study of various daily and intermittent regimens of major antitubercular drugs, including ethambutol] **Gruzlica** 43(12):1043–65, Dec 75 (Eng. Abstr.) **(Pol)**

[Comparative daily followed clinical study of treatment of chronic pulmonary tuberculosis with various combinations of ethambutol and rifampicin. Daily and intermittent method] **Gruzlica** 43(12):1067–98, Dec 75 (Eng. Abstr.) **(Pol)**

[Early results of treatment of chronic pulmonary tuberculosis with rifampicin and ethambutol adminstered intermittently once or twice a week preceded by a 3-month continuous administration] Kost A, et al. **Gruzlica** 43(8):719–26, Aug 75 (Eng. Abstr.) **(Pol)**

[Value of ethivanamide combined with isonicotinic acid hydrazine in the intermittent treatment of pulmonary tuberculosis] Krawczyk Z, et al. **Gruzlica** 43(10):921–7, Oct 75 (Eng. Abstr.) **(Pol)**

[Primary drug resistance in tuberculous patients treated at the Phthisiopneumonological Clinic of the Internal Medicine Institute of the Medical Academy in Białystok] Cesarz-Fronczyk M. **Pneumonol Pol** 44(3):237–43, Mar 76 (Eng. Abstr.) **(Pol)**

[Rifampicin combined with ethambutol and other antitubercular drugs in the treatment of patients with pulmonary tuberculosis. Early results. I. Bacteriological evaluation] Masztalerz J. **Pneumonol Pol** 44(1):55–60, 1976 (Eng. Abstr.) **(Pol)**

[Rifampicin combined with ethambutol and other antitubercular agents in the treatment of patients with chronic pulmonary tuberculosis. Early results. II. Analysis of causes of treatment interruption] Masztalerz J. **Pneumonol Pol** 44(2):153–61, Feb 76 (Eng. Abstr.) **(Pol)**

[Late results of treatment with rifampicin combined with SM and INH in newly detected cases of pulmonary tuberculosis] Szymański A. **Pneumonol Pol** 44(3):227–35, Mar 76 (Eng. Abstr.) **(Pol)**

[Polyneuropathy caused by tuberculostatics. Study of motor nerve conduction in 29 patients] Werneck LC. **Arq Neuropsiquiatr** 34(3):223–31, Sep 76 (Eng. Abstr.) **(Por)**

[New ideas and attitudes in tuberculosis chemotherapy] Anastasatu C. **Rev Ig [Pneumoftiziol]** 23(5):401–11, Oct–Dec 74 **(Rum)**

[Study of adverse reactions in pulmonary tuberculosis patients treated with rifampicin] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 24(4):213–9, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Current widely-used antitubercular chemotherapy regimens (report)] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 25(2):85–91, Apr–Jun 76 **(Rum)**

[Late, sporadic and paucibacillary elimination of mycobacteria in patients with stable sequelae after chemotherapy] Barbu Z, et al. **Rev Ig [Pneumoftiziol]** 23(4):361–9, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Complications in tuberculosis chemotherapy] Danilov LN, et al. **Rev Ig [Pneumoftiziol]** 24(1):51–3, Jan–Mar 75 **(Rum)**

[Integration of ambulatory chemotherapy of pulmonary tuberculosis in the activity of the system of general practice (joint report)] Ionescu C, et al. **Rev Ig [Pneumoftiziol]** 25(2):101–5, Apr–Jun 76 **(Rum)**

[Renal complications after rifampicin] Mănescu N, et al. **Rev Ig [Pneumoftiziol]** 24(1):35–42, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Organization, administration and results of strictly supervised treatment with rifampicin and ethambutol in a group of chronic tubercular patients in the Constanta area] Marinescu L, et al. **Rev Ig [Pneumoftiziol]** 23(5):445–50, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

[2 cases of hemolytic complications during intermittent treatment with rifampicin] Năstase M, et al. **Rev Ig [Pneumoftiziol]** 24(1):43–6, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Side effects in strictly supervised treatment with rifampicin and ethambutol] Năstase M, et al. **Rev Ig [Pneumoftiziol]** 24(4):241–3, Oct–Dec 75 **(Rum)**

[Therapeutic failure after 66 episodes of hospitalization in a case of hyperchronic pulmonaary tuberculosis] Tipărescu E. **Rev Ig [Pneumoftiziol]** 24(1):47–9, Jan–Mar 75 **(Rum)**

[Study of rifampicin in the treatment of tuberculosis and nonspecific inflammatory lung diseases] Rudoi NM, et al. **Antibiotiki** 20(10):945–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Anaphylactic reactions in patients with tuberculosis after administration of lidase] Bilyk MA, et al. **Klin Med (Mosk)** 53(12):110–1, Dec 75 **(Rus)**

[Resuscitation in acute tubazid poisoning] Mukhin EP, et al. **Klin Med (Mosk)** 52(1):137–9, Jan 74 **(Rus)**

[Treatment of patients with pulmonary tuberculosis and concomitant diseases of the gastrointestinal tract] **Probl Tuberk** (8):86–91, 1975 **(Rus)**

[Insufflation and instillation of antitubercular drugs into the cavern by the method of maximum concentration] Bondarev IM, et al. **Probl Tuberk** (4):17–22, 1975 (Eng. Abstr.) **(Rus)**

[Role of pyridoxine in an express method of intensive intravenous treatment of tuberculosis] Bondarev IM, et al. **Probl Tuberk** (7):34–8, 1975 (Eng. Abstr.) **(Rus)**

[Disorders of sound perception in pulmonary tuberculosis] Chumakov FI, et al. **Probl Tuberk** (11):62–5, 1975 (Eng. Abstr.) **(Rus)**

[Intermittent chemotherapy of chronic forms of pulmonary tuberculosis] Ershov AI, et al. **Probl Tuberk** (21):31–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Mechanism of the side effects of rifadin and ethambutol] Firsova LP, et al. **Probl Tuberk** (12):42–5, 1975 (Eng. Abstr.) **(Rus)**

[Tolerance of rifampicin in long-term treatment of patients with pulmonary tuberculosis] Fokina LV, et al. **Probl Tuberk** (21):34–9, Feb 76 (Eng. Abstr.) **(Rus)**

[Use of pyrogenal in complex treatment of pulmonary tuberculosis] Gavrilenko VS, et al. **Probl Tuberk** (4):22–5, 1975 (Eng. Abstr.) **(Rus)**

[Residual changes after healing of destructive forms of pulmonary tuberculosis treated with pyrogenal and chemotherapeutic agents] Ianchenko EN, et al. **Probl Tuberk** (4):26–8, 1975 (Eng. Abstr.) **(Rus)**

[Remote results of treatment of destructive forms of pulmonary tuberculosis in children and adolescents] Kamenetskaia RA, et al. **Probl Tuberk** (7):43–6, 1975 (Eng. Abstr.) **(Rus)**

[Controlled out-patient chemotherapy of pulmonary tuberculosis] Karmazina IB. **Probl Tuberk** (8):5–7, 1975 **(Rus)**

[Liver function in patients with chronic destructive pulmonary tuberculosis during complex treatment with rifampicin and ethambutol] Kharakter ZhZ, et al. **Probl Tuberk** (10):44–8, 1975 (Eng. Abstr.) **(Rus)**

[Concentration of ethambutol and pyrazinamide in the blood and the resected lungs of patients with tuberculosis] Kislitsyna NA, et al. **Probl Tuberk** (21):68–72, Feb 76 (Eng. Abstr.) **(Rus)**

[Experimental study of schedules for intermittent administration of rifampicin and ethambutol] Kozulitsyna TI, et al. **Probl Tuberk** (5):72–5, May 76 (Eng. Abstr.) **(Rus)**

[Clinical use of heparin in pulmonary tuberculosis] Krasnoperov FT, et al. **Probl Tuberk** (5):68–72, May 76 (Eng. Abstr.) **(Rus)**

[Effectiveness of tuberculin therapy of adolescents with pulmonary tuberculosis] Krylov VA. **Probl Tuberk** (10):3–7, 1975 (Eng. Abstr.) **(Rus)**

[Current state and perspectives of chemotherapy of tuberculosis in Algeria] Larbaui D, et al. **Probl Tuberk** (4):14–7, 1975 (Eng. Abstr.) **(Rus)**

[Continuity of treatment of patients with tuberculosis] Maslauskiene TP, et al. **Probl Tuberk** (10):1–3, 1975 (Eng. Abstr.) **(Rus)**

[Bronchial lavage in chronic forms of pulmonary tuberculosis] Ogil NV. **Probl Tuberk** (4):79–80, 1975 **(Rus)**

[Use of rifadin and ethambutol in pulmonary tuberculosis with concomitant diseases] Pak FP, et al. **Probl Tuberk** (5):78–80, May 76 **(Rus)**

[Drip endobronchial administration of complex antitubercular preparations in the treatment of destructive pulmonary tuberculosis] Patrikeev GA. **Probl Tuberk** (6):26–9, 1975 (Eng. Abstr.) **(Rus)**

[Side-effects in chemotherapy of pulmonary tuberculosis] Savula MM, et al. **Probl Tuberk** (21):39–43, Feb 76 (Eng. Abstr.) **(Rus)**

[Intravenous chemotherapy of newly detected destructive pulmonary tuberculosis] Shcherbakov AI. **Probl Tuberk** (8):42–6, 1975 (Eng. Abstr.) **(Rus)**

[Controlled intermittent chemotherapy with isoniazid and the second line preparations] Utkin VV, et al. **Probl Tuberk** (6):22–6, 1975 (Eng. Abstr.) **(Rus)**

[Significance of long-term administration of ethyl alcohol in antibacterial therapy of experimental tuberculosis in rabbits] Vavilin GI, et al. **Probl Tuberk** (8):77–82, 1975 (Eng. Abstr.) **(Rus)**

[Morpho-histochemical study of the processes of healing of tuberculosis during treatment with streptomycin and hyaluronidase] Volotnikova VA, et al. **Probl Tuberk** (12):58–64, 1975 (Eng. Abstr.) **(Rus)**

[Side effects of antibacterial drugs in patients with

tuberculosis] Sergeev IS, et al. **Ter Arkh** 48(5):140–9, 1976 (114 ref.) **(Rus)**

[State of the organ of vision in adolescents undergoing long-term treatment with HINA preparations] Gabbasov RA. **Vestn Oftalmol** (6):45–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Treatment of patients with viral hepatitis complicated by pulmonary tuberculosis] Agraval PD. **Vrach Delo** (4):123–6, Apr 75 (Eng. Abstr.) **(Rus)**

[Inactivation of INH and effectiveness of chemotherapy in pulmonary tuberculosis] Gipp ZI. **Vrach Delo** (1):104–5, Jan 74 (Eng. Abstr.) **(Rus)**

[Allergic syndrome in the formation of pulmonary insufficiency in patients with tuberculosis] Kulachkovskii IuV, et al. **Vrach Delo** (2):89–91, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of prednisolone on the cardiovascular system in complex treatment of newly detected pulmonary tuberculosis] Piatnochka IT. **Vrach Delo** (10):47–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Intermittent administration of rifadine in destructive forms of pulmonary tuberculosis] Sobolevskaia LI, et al. **Vrach Delo** (4):60–2, Apr 75 **(Rus)**

[Our experiences in the treatment of pulmonary tuberculosis by ethambutol] Coseva S, et al. **God Zb Med Fak Skopje** 20:621–6, 1974 **(Ser)**

[A contribution to the problems of the tuberculous focus in lung after an antituberculotic treatment (author's transl)] Korhoň M, et al. **Bratisl Lek Listy** 64(1):86–9, Jul 75 (Eng. Abstr.) **(Slo)**

[Considerations on drug-resistent tuberculosis patients admitted to G. Saint-Bois Hospital during the years 1966 to 1970] Piñeyro JA, et al. **Hoja Tisiol** 28(1–2):77–88, 1971 (Eng. Abstr.) **(Spa)**

[Effective serum concentration of antimicrobial agents and intervals of bacteriological by negative tests in tuberculosis] Porven G, et al. **Rev Asoc Argent Microbiol** 6(3):110–8, Sep–Dec 74 (Eng. Abstr.) **(Spa)**

[Short therapy of pulmonary tuberculosis. Reflexions on 2 unusual cases] Navarro Gutiérrez R, et al. **Rev Clin Esp** 138(2):185–8, 31 Jul 75 **(Spa)**

[Short course antituberculosis chemotherapy (author's transl)] Corradini A, et al. **Rev Med Chil** 103(4):247–50, Apr 75 (Eng. Abstr.) **(Spa)**

[Primary resistance in 126 cases of pulmonary tuberculosis] Herrera M, et al. **Salud Publica Mex** 18(1):111–4, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[The dynamics of cerebral electrical activity in pulmonary tuberculosis and during its treatment] Aksel'rod LB, et al. **Fiziol Zh** 20(6):730–4, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

ENZYMOLOGY

Studies on isoenzymes in relation to cancer. Lactic dehydrogenase isoenzyme composition of sera and effusions in benign and malignant conditions. Damle SR, et al. **Indian J Cancer** 11(4):419–32, Dec 74

Serum enzyme changes in patients receiving antituberculosis therapy with rifampicin or p-aminosalicylic acid, plus isoniazid and streptomycin. Baron DN, et al. **Tubercle** 55(2):115–20, Jun 74

ETIOLOGY

Pulmonary tuberculosis after gastric resection. Steiger Z, et al. **Am J Surg** 131(6):668–71, Jun 76

Distribution of mycobacteria grown in vivo in the organs of intravenously infected mice. Collins FM, et al. **Am Rev Respir Dis** 113(3):281–6, Mar 76

Reactivation of pulmonary tuberculosis due to trauma. DuBrow EL, et al. **Chest** 68(4):596–8, Oct 75

Influence of BCG vaccination on the pathogenesis of experimental airborne tuberculosis. Smith DW, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):407–17, 1975

[Some peculiarities in the clinical picture of pulmonary tuberculosis in diabetic patients] Velojić D. **Plucne Bolesti Tuberk** 27(4):256–63, Oct–Dec 75 (Eng. Abstr.) **(Cro)**

[Role of residual pulmonary lesions in the appearance or tuberculosis] Khomenko AG. **Bull Int Union Tuberc** 49(1):351–5, 1974 **(Fre)**

[Phtisiogenesis of pulmonary tuberculosis in adults] Shimao T, et al. **Bull Int Union Tuberc** 49(1):357–64, 1974 **(Fre)**

[Is transplantation tuberculosis caused by malnutrition?] Tisseuil J. **Bull Soc Pathol Exot** 68(3):266–73, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Characteristics of clinical course of pulmonary tuberculosis caused by Mycobacterium bovis] Naubet'iarova AN. **Probl Tuberk** (10):18–21, 1975 (Eng. Abstr.) **(Rus)**

[Role of chronic tonsillitis in the development of recurrence of pulmonary tuberculosis] Tolstykh SA. **Probl Tuberk** (9):54–7, 1975 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

A family outbreak of tuberculosis in Bristol in 1973 with two cases of tuberculous meningitis. Corner BD, et al. **Tubercle** 55(2):99–103, Jun 74

HISTORY

Some nineteenth century ideas on links between tuberculous and cancerous diseases of the lung. Onuigbo WI. **Br J Dis Chest** 69:207–10, Jul 75

Digitalis as treatment for pulmonary comsumption, 1799. Greenwood RD. **Ill Med J** 148(5):531, Nov 75

The beginning of the tuberculosis sanatorium movement in Maryland. Mathews WB. **Md State Med J** 25(8):28–31, Aug 76

A historical basis for modern concepts of the pathogenesis of tuberculosis. Dubovsky H. **S Afr Med J** 49(27):1105–10, 28 Jun 75

Some curiosities of the literature of tuberculosis. Bishop PJ. **Tubercle** 55(2):153–62, Jun 74

[Mycobacterium tuberculosis and I—some memories] Aoyagi Y. **Kekkaku** 50(11):372–3, Dec 75 **(Jpn)**

[Studies of A. I. Abrikosova in phthisiology (on the 100th anniversary of his birth)] Strukov AI, et al. **Probl Tuberk** (6):1–4, 1975 **(Rus)**

IMMUNOLOGY

Immunological studies on bronchial secretion. I. Antigenic relationship between bronchial secretion and serum: bronchial secretion constituents detected in human sera. Mendes E. **Acta Allergol (Kbh)** 30(5):259–66, Nov 75

Quantitative levels of immunoglobulin E in advanced tuberculosis. Casterline CL, et al. **Chest** 70(1):21–3, Jul 76

Editorial: Circulating antibodies in pulmonary tuberculosis. Freedman SO. **Chest** 70(1):1–2, Jul 76

Dinitrochlorobenzene contact sensitization in pulmonary tuberculosis. Malaviya AN, et al. **Clin Exp Immunol** 22(3):399–403, Dec 75

Levels of serum immunoglobulins in pulmonary tuberculosis patients. Jha VK, et al. **Indian J Chest Dis** 16(4):361–7, Oct 74

The relationship between delayed type hypersensitivity and acquired cellular resistance in experimental airborne tuberculosis. Knight-Shapiro C, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):421–4, 1975

Evaluation of four methods for separation of lymphocytes from normal individuals and patients with cancer and tuberculosis. Patrick CC, et al. **J Immunol Methods** 11(3–4):321–32, 1976

Further studies on the effect of lung antibodies on the pathogenesis of tuberculosis. Burrell R, et al. **J Lab Clin Med** 86(5):741–5, Nov 75

Levamisole augmentation of lymphocyte hyporesponsiveness to phytohaemagglutinin in patients with pulmonary tuberculosis. Chan SH, et al. **Proc Soc Exp Biol Med** 151(4):716–9, Apr 76

A study of delayed hypersensitivity, lymphocyte transformation and leucocyte migration inhibition by M. xenopi and M. tuberculosis in patients harbouring these organisms. Maini RN, et al. **Tubercle** 55(4):269–81, Dec 74

[Cell-mediated immunity and active pulmonary tuberculosis (author's transl)] Kennes B, et al. **Acta Tuberc Pneumol Belg** 65(5):429–37, Sep–Oct 74 (Eng. Abstr.) **(Fre)**

[Choice and selection of animals and humans for the study of 'substance M'] Mascherpa P. **Boll Soc Ital Biol Sper** 52(5):338–41, 15 Mar 76 **(Ita)**

[Experimental lung cavity] Yamamura Y. **Kekkaku** 50(11):463–6, Dec 75 **(Jpn)**

[The level of immunoglobulins IgG, IgA, IgM and IgD in the serum of patients with pulmonary tuberculosis (author's transl)] Fafrowicz B, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:159–64, 1975 (Eng. Abstr.) **(Pol)**

[Delayed hypersensitivity in patients with tuberculous changes and various eye diseases of unknown etiology] **Klin Oczna** 45(7):801–5, Jul 75 (Eng. Abstr.) **(Pol)**

[Immunoglobulins class IgG, IgA, IgM in the serum following tuberculin administration] Szeleżyński K, et al. **Pol Tyg Lek** 30(49):233–5, 8 Dec 75 (Eng. Abstr.) **(Pol)**

[Some clinical details concerning the relations between asthma and tuberculosis] Velcovici D, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 25(2):147–52, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Recurrence of tuberculosis and specific reactivity of the body] Bobrovskaia MI, et al. **Probl Tuberk** (5):37–9, May 76 (Eng. Abstr.) **(Rus)**

[Dynamics of the indicators of blast transformation reaction in complex chemo- and tuberculin therapy of tuberculosis] Karachunskii MA, et al. **Probl Tuberk** (7):58–62, 1975 (Eng. Abstr.) **(Rus)**

[Evaluation of the phagocytic activity of the blood leukocytes in children with intrathoracic tuberculosis] Lebedeva TG, et al. **Probl Tuberk** (21):43–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Immunobiological methods in evaluating the activity of the tuberculous process and in predicting postoperative complications] Litvinov VI, et al. **Probl Tuberk** (7):32–4, Jul 76 (Eng. Abstr.) **(Rus)**

[Factors affecting tuberculin sensitivity in children and adolescents] Maslauskene TP. **Probl Tuberk** (7):5–8, 1975 (Eng. Abstr.) **(Rus)**

[Immunochemical nature and biological activity of autoantibodies forming in a culture of lymphocytes of the blood of patients with pulmonary tuberculosis] Morozov VL, et al. **Probl Tuberk** (21):72–7, Feb 76 (Eng. Abstr.) **(Rus)**

[Lymphocyte blast transformation reaction and leukocytolysis in determination of the activity of pulmonary tuberculosis] Oblogina LI. **Probl Tuberk** (7):62–6, 1975 (Eng. Abstr.) **(Rus)**

[Dynamics of serological reactions in patients with pulmonary tuberculosis during antibacterial therapy] Stepanova EA, et al. **Probl Tuberk** (5):40–4, May 76 (Eng. Abstr.) **(Rus)**

[Tissue heteroallergy in pulmonary tuberculosis] Ivakova TR. **Zdravookhr Kirg** (3):15–20, May–Jun 75 **(Rus)**

[Heteroallergic leukocytic migration inhibition in pulmonary tuberculosis] Ivakova TR. **Zdravookhr Kirg** (2):29–32, Mar–Apr 76 **(Rus)**

[Some indices of the natural immunological reactivity of patients with pulmonary tuberculosis in combination with candidiasis] Khamzaev BD, et al. **Zdravookhr Kirg** (4):41–3, Jul–Aug 76 **(Rus)**

[Immunodiagnosis of drug allergy in tuberculosis patients] Tsatskina ES. **Zdravookhr Kirg** (3):42–6, May–Jun 76 **(Rus)**

[Use of dinitrochlorobenzene in the evaluation of cellular immunity] Madrazo B, et al. **Alergia** 22(4):183–9, Oct 75 (Eng. Abstr.) **(Spa)**

[Epidemiology of hepatitis B virus (HBV) in an antituberculosis sanatorium] Pedreira J, et al. **Rev Clin Esp** 141(2):151–4, 30 Apr 76 (Eng. Abstr.) **(Spa)**

[Immunological aspects of tuberculosis. IV. In vitro production of LIF with a low dose of PPD] Amezcua Chavarría ME, et al. **Rev Invest Salud Publica** 35(3–4):197–203, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[Immunological aspects of tuberculosis. III. Cutaneous response to PPD and to sensitization with dinitrochlorobenze] Bernal Madrazo M de los A, et al. **Rev Invest Salud Publica** 35(3–4):187–96, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[Immunological aspects of tuberculosis. I. Various observations on the problem of tuberculosis in Mexico] Cicero R. **Rev Invest Salud Publica** 35(3–4):163–74, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[Immunological aspects of tuberculosis. V. Determination of T and B rosettes] Díaz GV, et al. **Rev Invest Salud Publica** 35(3–4):205–11, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[Immunological aspects of tuberculosis. II. Current concepts on immune response in tuberculosis] Escobar-Gutiérrez A. **Rev Invest Salud Publica** 35(3–4):175–86, Jul–Dec 75 (Eng. Abstr.) **(Spa)**

[Immunological aspects of tuberculosis. VI. Lymphocytic viability in in vitro culture conditions] Gorodezky C, et al. **Rev Invest Salud Publica** 35(3–4):213–21, Jul–Dec 75 **(Spa)**

METABOLISM

[Water-electrolyte disorders in patients with pulmonary tuberculosis] Graczyk J. **Gruzlica** 43(10):911–20, Oct 75 (Eng. Abstr.) **(Pol)**

[Rifampicin metabolism in patients with pulmonary tuberculosis] Pawlowska I, et al. **Gruzlica** 43(11):977–86, Nov 75 (Eng. Abstr.) **(Pol)**

[Role of calcium pantothenate in vitamin B requirement of children with tuberculosis] Kirpichev MP, et al. **Probl Tuberk** (7):38–43, 1975 (Eng. Abstr.) **(Rus)**

[B group vitamin metabolism in tuberculotic children] Kirpichev MP, et al. **Probl Tuberk** (7):21–5, Jul 76 (44 ref.) (Eng. Abstr.) **(Rus)**

[Concentration of rifampicin in pathological formations of resected lungs] Kislitsyna NA, et al. **Probl Tuberk** (6):79–81, 1975 (Eng. Abstr.) **(Rus)**

[State of oxidation-reduction processes in pulmonary tuberculosis] Smachilo DT. **Probl Tuberk** (11):57–61, 1975 (Eng. Abstr.) **(Rus)**

[Influence of active pulmonary tuberculosis on the level of strontium in the plasma, erythrocytes and lung tissue] Stratonov VM, et al. **Probl Tuberk** (6):51–5, 1975 (Eng. Abstr.) **(Rus)**

[Isoniazid and PAS metabolism and bacteriostatic activity of blood in adolescents with intrathoracic tuberculosis] Tytor IaM. **Probl Tuberk** (7):51–4, 1975 (Eng. Abstr.) **(Rus)**

[Change in nucleic acid metabolism in patients with active pulmonary tuberculosis undergoing antibacterial treatment] Beloblotskii GA. **Vrach Delo** (1):106–7, Jan 74 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Some bacteriologic aspects of the epidemiology of pulmonary and extrapulmonary tuberculosis. Siddiqi SH, et al. **Am J Epidemiol** 103(1):101–11, Jan 76

Evidence for infection by two distinct strains of Mycobacterium tuberculosis in pulmonary tuberculosis: report of 9 cases. Raleigh JW, et al. **Am Rev Respir Dis** 112(4):497–503, Oct 75

Bacteriology of tuberculosis: discussion. **Bull Int Union Tuberc** 49 suppl 1:194–5, Aug 74

Proceedings: Collection of bacteriological specimens and value of direct smear examination in the field. Hsing CT. **Bull Int Union Tuberc** 49 suppl 1:182, Aug 74

Laboratory services in Korea. Kim SC. **Bull Int Union Tuberc** 49 suppl 1:192–3, Aug 74

Collection and transport of specimen. O'Connor BF. **Bull Int Union Tuberc** 49 suppl 1:183–7, Aug 74

Proceedings: How many specimens? Oliver W. **Bull Int Union Tuberc** 49 suppl 1:188, Aug 74

Bacteriology of tuberculosis. Tripathy SP. **Bull Int Union Tuberc** 49 suppl 1:180–1, Aug 74

Studies on antituberculosis activity of amikacin. pp. 397–401. Kawamori Y, et al.

In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Mycobacterium gadium sp. nov. a new species of rapid-growing scotochromogenic mycobacteria. Casal M, et al. **Tubercle** 55(4):299–308, Dec 74

The sensitivity to thiacetazone of tubercle bacilli isolated from patients with pulmonary tuberculosis in Sri Lanka. Pinto MR, et al. **Tubercle** 55(2):129–33, Jun 74

[A comment on paucibacillary findings in pulmonary TB from the clinical point of view (author's transl)] Sajnerová B, et al. **Cas Lek Cesk** 115(17):505–7, 30 Apr 76 (Eng. Abstr.) **(Cze)**

[The value of guinea pig inoculation for the detection of tubercle bacilli in the patients specimens (author's transl)] Grigelová R, et al. **Z Erkr Atmungsorgane** 143(3):219–23, Jun 75 (Eng. Abstr.) **(Ger)**

[Mycobacterial resistance in patients during their 1st hospitalization] Iuliano A. **Arch Monaldi** 29(5–6):483–90, Sep–Dec 74 **(Ita)**

[Studies on indication of surgical treatment for open negative cases based on findings of tubercle bacilli cultivated from resected cavities (author's transl)] Shiozawa M, et al. **Kekkaku** 50(9):275–82, Sep 75 (Eng. Abstr.) **(Jpn)**

[Frequency of isolation and species of 'atypical' Mycobacteria isolated in Japanese national chest hospitals locating in various places. (Report of the year 1973–1974) (author's transl)] Tsukamura M, et al. **Kekkaku** 51(3):67–70, Mar 76 (Eng. Abstr.) **(Jpn)**

[Investigations on the occurrence of Staphylococcus aureus in the sputum of patients with tuberculosis of the lungs during the course of streptomycin treatment (author's transl)] Mysakowska H, et al.
Ann Univ Mariae Curie Sklodowska [Med] 29:177–82, 1974 (Eng. Abstr.) **(Pol)**

[Characteristics of Mycobacteria isolated from diagnostic obtained from tuberculous patients in selected environments] Janowiec M, et al. **Gruzlica** 43(10):895–903, Oct 75 (Eng. Abstr.) **(Pol)**

[Incidence and clinical significance of visible but not viable bacilli in patients with pulmonary tuberculosis] Krychniak W, et al. **Gruzlica** 43(9):785–92, Sep 75 (Eng. Abstr.) **(Pol)**

[Dynamics of the appearance and persistence of elimination of mycobacteria and their significance (report)] Barbu Z, et al. **Rev Ig [Pneumoftiziol]** 25(2):93–100, Apr–Jun 76 **(Rum)**

[Effect of the aerosol inhalations of some antibacterial preparations on the cocco bacterial flora of the respiratory tract in pulmonary tuberculosis] Kulik NM. **Antibiotiki** 21(6):549–52, Jun 76 (Eng. Abstr.) **(Rus)**

[Secondary drug resistance of Mycobacterium tuberculosis in coniotuberculosis and pulmonary tuberculosis] Beskrovnyĭ PS, et al. **Probl Tuberk** (7):66–70, Jul 76 (Eng. Abstr.) **(Rus)**

[Secretion of Mycobacteria tuberculosis of the avian type in children with tuberculosis and the source of the infection] Blonskaia LI, et al. **Probl Tuberk** (21):84–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Clinico-morphologic and bacteriologic correlations in children and adolescents operated on for tuberculosis of the respiratory organs] Bogush LK, et al. **Probl Tuberk** (21):21–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Epidemiological and clinical importance of M. avium among the inhabitants of Rostov Province] Kalmykova GN, et al. **Probl Tuberk** (7):12–6, Jul 76 (Eng. Abstr.) **(Rus)**

[Clinico-bacteriological parallels in patients operated on for fibrous-cavernous pulmonary tuberculosis] Kislitsyna NA, et al. **Probl Tuberk** (11):38–43, 1975 (Eng. Abstr.) **(Rus)**

[Effect of the nature of the bacillus elimination on the healing of destructive pulmonary tuberculosis] Shenkerman IL, et al. **Vrach Delo** (1):83–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Centralization of bacteriological studies on tuberculosis in the Federal District] Rodarte Macías H, et al.
Salud Publica Mex 18(1):81–8, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Inoculation frequency of tuberculosis mycobacteria in patients with various lung diseases] Beskrovnii PS, et al. **Mikrobiol Zh** 37(6):767–8, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

OCCURRENCE

Changing risks in tuberculosis. Hinman AR, et al.
Am J Epidemiol 103(5):486–97, May 76

Rising tuberculosis rate in Baltimore City. Riley RL.
Am Rev Respir Dis 113(5):577–8, May 76

The prevalence of tuberculosis and positive tuberculin skin tests in a steroid-treated asthmatic population. Schatz M, et al. **Ann Intern Med** 84(3):261–5, Mar 76

Tuberculosis among immigrants related to length of residence in England and Wales. Report from the British Thoracic and Tuberculosis Association. **Br Med J** 3(5985):698–9, 20 Sep 75

Incidence of tuberculosis, hepatitis, brucellosis, and shigellosis in British medical laboratory workers. Harrington JM, et al. **Br Med J** 1(6012):759–62, 27 Mar 76

Tuberculosis infection in a paediatric department. Stewart CJ. **Br Med J** 1(6000):30–2, 3 Jan 76

Proceedings: Tuberculosis in the Western Pacific Region: Thailand. Boonsong Sunakorn. **Bull Int Union Tuberc** 49 suppl 1:30, Aug 74

Proceedings: Tuberculosis in the Western Pacific Region: Japan. Immamura S. **Bull Int Union Tuberc** 49 suppl 1:27–8, Aug 74

Proceedings: Tuberculosis in the very elderly. Joseph MR. **Bull Int Union Tuberc** 49 suppl 1:267, Aug 74

Proceedings: Tuberculosis in the Western Pacific Region: Bangladesh. Khan AK. **Bull Int Union Tuberc** 49 suppl 1:24–5, Aug 74

Tuberculosis in a rural population of South India: a five-year epidemiological study. **Bull WHO** 51(5):473–88, 1974

Tuberculosis in the African community in the City of Salisbury. Hollins FR. **Cent Afr J Med** 22(2):25–8, Feb 76

Tuberculosis and pregnancy. Five- to ten-year review of 215 patients in their fertile age. de March A P. **Chest** 68(6):800–4, Dec 75

Tuberculosis in Finnish Lapland. pp. 331–4. Palva IP, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Health problems of Vietnamese refugee children.
J Iowa Med Soc 65(12):508–10, Dec 75

Letter: Screening for tuberculosis in patients with pneumoconiosis. Sayed QA. **Lancet** 2(7946):1212, 13 Dec 75

Tuberculosis baseline survey in Burma in 1972. **Tubercle** 55(4):313–25, Dec 74

Pulmonary tuberculosis in Scotland: a national sample survey and follow-up (1968–70). 1. The characteristics of the cases notified in 1968. Heffernan JF, et al. **Tubercle** 56(4):253–67, Dec 75

Mass radiographic survey of the adult population of the Temburong District of Brunei State. Rajagopal CS.
Tubercle 55(3):223–6, Sep 74

[Epidemiology of tuberculosis in the canton of Geneva (author's transl)] Dottrens A. **Praxis** 64(47):1509–13, 25 Nov 75 (Eng. Abstr.) **(Fre)**

[Prevalance of pulmonary tuberculosis in aged patients in the sanitorium (1964–1973)] Golli V, et al.
Rev Med Liege 30(6):203–6, 15 Mar 75 **(Fre)**

[Tuberculosis in the Schleswig-Holstein area as shown in X-rays] pp. 66–75. Faass W, et al.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. (Ger)

[Risk of contracting tuberculosis and special aspects of its course in persons without fixed address] pp. 17–20. Kerntke G.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. (Ger)

[The tuberculin sensitivity of coal-miners exposed to dust and of people never exposed to dust from the Ruhr area. An epidemiological study to understand the supernormal morbidity rate on tuberculosis in miners (author's transl)] Fritze E. **Int Arch Occup Environ Health** 35(3–4):201–15, 19 Sep 75 (Eng. Abstr.) **(Ger)**

[Students no longer a risk-group for pulmonary tuberculosis (author's transl)] Hoefer W. **Oeff Gesundheitswes** 38(1):15–22, Jan 76 (Eng. Abstr.) **(Ger)**

[A study of the risk of tuberculous infection in the student population of Göttingen University 1955–1985 (author's transl)] Hoefer W. **Prax Pneumol** 30(4):230–4, Apr 76 (Eng. Abstr.) **(Ger)**

[Results of mass radiography in Lower Saxony (author's transl)] Klose G. **Prax Pneumol** 29(5):271–7, May 75 (Eng. Abstr.) **(Ger)**

[Estimation of the epidemiological time trend of tuberculosis in Japan, a trial with a simple epidemiological simulation model (author's transl)] Azuma Y. **Kekkaku** 50(7):199–207, Jul 75 (Eng. Abstr.) **(Jpn)**

[Present status of pulmonary tuberculosis among labourers of Airen area in Osaka City (author's transl)] Inoue T, et al. **Kekkaku** 50(9):255–61, Sep 75 (Eng. Abstr.) **(Jpn)**

[Calcified foci as an index to estimate the prevalence of tuberculosis (author's transl)] Kido K. **Kekkaku** 50(2):51–4, 15 Feb 75 (Eng. Abstr.) **(Jpn)**

[Present status of pulmonary tuberculosis among employees of smaller enterprises in Tokyo. –Results of mass chest x-ray survey on employees under governmental health insurance scheme (report 15)– (author's transl)] Kitazawa Y, et al. **Kekkaku** 50(9):263–70, Sep 75 (Eng. Abstr.) **(Jpn)**

[Epidemiologic study on pulmonary tuberculosis among the examined members of the ABCC–JNIH adult health study population (author's transl)] Nakamura K. **Kekkaku** 50(8):245–52, Aug 75 (Eng. Abstr.) **(Jpn)**

[Natural history of tuberculosis. II. Epidemiologic classes] **Pneumonol Pol** 44(7):639–48, Jul 76 (Eng. Abstr.) **(Pol)**

[Natural history of tuberculosis. I. Objectives, material and methods, population movement, studies, incidence and prevalence of infection, incidence and prevalence of tuberculosis] Olakowski T. **Pneumonol Pol** 44(7):629–38, Jul 76 (Eng. Abstr.) **(Pol)**

[Contribution of medical radiophotography in the detection of tuberculosis (joint report)] Baranetchi C, et al.
Rev Ig [Pneumoftiziol] 24(3):141–4, Jul–Sep 75 **(Rum)**

[Medical radiophotography in the activities of rural polyclinics] Chivu S, et al. **Rev Ig [Pneumoftiziol]** 24(3):173–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Current results and objectives of radiophotography in the Socialist Republic of Rumania (joint report)] Claiciu I, et al. **Rev Ig [Pneumoftiziol]** 24(3):134–40, Jul–Sep 75 **(Rum)**

[Radiophotographic detection in evaluation of the incidence of tuberculosis] Galan V, et al. **Rev Ig [Pneumoftiziol]** 24(3):153–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Indices of detection in integral radiophotographic examinations in rural areas] Gartner A, et al.
Rev Ig [Pneumoftiziol] 24(3):169–71, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Current incidence of the aged among hospitalized tuberculosis patients] Golli V, et al.
Rev Ig [Pneumoftiziol] 25(1–2):27–31, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[3 successive radiophotographic surveys in a rural territory] Marinescu L, et al. **Rev Ig [Pneumoftiziol]** 24(3):161, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Comparative results of total detections and detection in a group of patients with high risk for tuberculosis in an urban environment] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 24(3):149–52, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[The risk of tuberculosis in students of professional schools] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 25(1–2):13–6, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Some tactical trends in radiophotographic detection] Teodoru M, et al. **Rev Ig [Pneumoftiziol]** 24(3):164–5, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Survey of the risk of tuberculosis in diabetics] Golli V, et al. **Rev Med Intern [Med Intern]** 27(6):475–9, Nov–Dec 75 (Eng. Abstr.) **(Rum)**

[Forms of newly detected pulmonary tuberculosis] Shchigol' LI, et al. **Klin Med (Mosk)** 53(2):100–3, Feb 75 **(Rus)**

[Interrelationships of pulmonary cancer and tuberculosis] Popova EM. **Probl Tuberk** (7):79–82, Jul 76 (Eng. Abstr.) **(Rus)**

[Experience with mass double fluorographic examination of the population of a rural region] Sirota DS, et al.
Probl Tuberk (6):7–9, 1975 (Eng. Abstr.) **(Rus)**

[Age and sex characteristics of tuberculosis incidence among urban population during the period 1959–1971] Zakopailo GG. **Vrach Delo** (5):11–3, May 75 **(Rus)**

[Epidemiologic situation of tuberculosis in children and adolescents in SRM (Socialist Republic of Macedonia)] Nanović R. **God Zb Med Fak Skopje** 20:343–52, 1974 **(Ser)**

[Epidemiologic situation of tuberculosis in the East-Slovakian district in the years 1969–1973 (author's transl)] Krchnavý A, et al. **Bratisl Lek Listy** 64(3):261–5, Sep 75 (Eng. Abstr.) **(Slo)**

[Epidemiologic situation of tuberculosis in the East-Slovakian district in the years 1969–1973 (author's transl)] Krchnavý A, et al. **Bratisl Lek Listy** 64(3):261–5, Sep 75 (Eng. Abstr.) **(Slo)**

[Case finding by means of microscopy of sputum] Rodarte H, et al. **Salud Publica Mex** 18(1):35–45, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Liquefaction of caseous foci in tuberculosis. Dannenberg AM Jr, et al. **Am Rev Respir Dis** 113(3):257–9, Mar 76

The ultrastructure of lung tissue of rabbits infected intravenously with Mycobacterium tuberculosis 'Weiszfeiler 115'. Konrádová V, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 19(4):504–7, 1975

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 32–1976.
N Engl J Med 295(6):328–34, 5 Aug 76

[Morphological characteristics of the destructive and reparative changes in tuberculosis in those dying of nontubercular diseases] Zagurov G. **Vutr Boles** 14(2):63–7, 1975 (Eng. Abstr.) **(Bul)**

[Clinico-pathological conference XXIX. Tumor infiltration and destruction of 2 thoracic vertebrae in thoracic radiography] Sandström R. **Duodecim** 91(18):1093–102, 1975 **(Fin)**

[Clinico-pathological conference XXX. Lung changes and eosinophilia with tuberculosis and mitral valve disease] Selroos O. **Duodecim** 91(19):1144–52, 1975 **(Fin)**

[A case of Wegener's granulomatosis associated with old pulmonary tuberculosis and chronic kidney sclerosis] Schmidt EH, et al. **Med Welt** 26(39):1791–4, 26 Sep 75 **(Ger)**

[Proceedings: Changes in the disease pattern of pulmonary tuberculosis] Mühlberger F, et al.
Schweiz Med Wochenschr 105(51):1797–9, 20 Dec 75 (Eng. Abstr.) **(Ger)**

[Sputum conversion and behavior of cavitations in the years 1967–1973] Weiss T. **Schweiz Med Wochenschr** 105(48):1626–7, 29 Nov 75 (Eng. Abstr.) **(Ger)**

[Influence of schizophyllan, streptomycin and rifampicin on histopathological changes in mice infected with tubercle bacilli (author's transl)] Komatsu N, et al.
Jpn J Antibiot 28(4):549–57, Aug 75 (Eng. Abstr.) **(Jpn)**

[Pathological and bacteriological studies of the excised lung] Iwai K. **Kekkaku** 50(11):503–7, Dec 75 **(Jpn)**

[Ultrastructural characteristics of the bronchial epithelium in pulmonary tuberculosis (according to biopsy material)] Nepomniashchikh GI, et al. **Arkh Patol** 37(11):44–9, 1975 (Eng. Abstr.) **(Rus)**

[Chronic primary tuberculosis disguised as asthmatic bronchitis] Vorob'eva AA. **Arkh Patol** 38(1):73–6, 1976 (Eng. Abstr.) **(Rus)**

[Role of cytological methods in diagnosis of bronchial lesions in pulmonary tuberculosis] Limberg VR, et al.
Lab Delo (10):589–91, 1975 **(Rus)**

[Anatomo-pathological characteristics of intrapulmonary

fibrous tissue formation during treatment of destructive forms of tuberculosis and chronic nonspecific pneumonia] Loginov EN. **Probl Tuberk** (9):74–80, 1975 (Eng. Abstr.) **(Rus)**

[Lung developmental defects in tuberculosis] Niiazov IB. **Probl Tuberk** (7):63–6, Jul 76 (Eng. Abstr.) **(Rus)**

[Changes in the bronchial tree in various types of recovery from pulmonary tuberculosis] Strelis AK, et al. **Ter Arkh** 47(8):129–31, 1975 **(Rus)**

PHYSIOPATHOLOGY

Ventilatory defects in atypical mycobacteriosis. A comparison study with tuberculosis. Ahn CH, et al. **Am Rev Respir Dis** 113(3):273–9, Mar 76

Proceedings: Respiratory disability after extensive tuberculosis. Vandenberg A, et al. **Bull Int Union Tuberc** 49 suppl 1:268–9, Aug 74

[The lymph node perforation in tuberculosis and its consequences for the course of pulmonary tuberculosis] Sighart H. **Wien Med Wochenschr** Suppl 30:1–16, 1975 (Eng. Abstr.) **(Ger)**

[Pulmonary functions in tuberculosis] Nagano J. **Kekkaku** 50(11):495–9, Dec 75 **(Jpn)**

[Behavior of pulmonary surfactant in experimental tuberculosis in guinea pigs] Traczyk K. **Pneumonol Pol** 44(5):445–61, May 76 (Eng. Abstr.) **(Pol)**

[Cardiovascular function in children with tuberculosis during physical exercises] Aliev MN, et al. **Probl Tuberk** (7):31–4, 1975 (Eng. Abstr.) **(Rus)**

[Function of external respiration in patients with pulmonary tuberculosis and bronchial asthma] Boush GV. **Probl Tuberk** (9):43–7, 1975 (Eng. Abstr.) **(Rus)**

[Disorders of bronchial patency in patients with pulmonary tuberculosis] Golovushkina GV. **Probl Tuberk** (8):32–5, 1975 (Eng. Abstr.) **(Rus)**

[Change in the function of the kidneys and the elimination of antitubercular preparations with their side effects in patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Probl Tuberk** (6):47–51, 1975 (Eng. Abstr.) **(Rus)**

[Dynamics of the indicators of pulmonary ventilation in patients with disseminated tuberculosis of the lungs before and after surgery] Kartavenko AN, et al. **Probl Tuberk** (9):39–43, 1975 (Eng. Abstr.) **(Rus)**

[Radioisotope diagnosis of disorders of kidney function in patients with pulmonary tuberculosis] Kolotov IuA, et al. **Probl Tuberk** (10):48–9, 1975 (Eng. Abstr.) **(Rus)**

[Characteristics of hemodynamics in patients with active pulmonary tuberculosis with concomitant atherosclerosis] Pain GA, et al. **Probl Tuberk** (8):50–4, 1975 (Eng. Abstr.) **(Rus)**

[Radioisotope pulmonometric studies of pulmonary circulation in tuberculosis of the lungs] Pirogov AB, et al. **Probl Tuberk** (9):31–4, 1975 (Eng. Abstr.) **(Rus)**

[Myocardial function according to spatial quantitative vectorcardiography and cardiodynamics in persons clinically cured of pulmonary tuberculosis] Shevchenko RN, et al. **Probl Tuberk** (8):24–8, 1975 (Eng. Abstr.) **(Rus)**

[State of hemodynamics and cardiodynamics in persons clinically cured of pulmonary tuberculosis according to data of direct methods of examination] Shevchenko RN, et al. **Probl Tuberk** (11):20–3, 1975 (Eng. Abstr.) **(Rus)**

[Functional state of the kidneys in the postoperative period in patients with chronic forms of pulmonary tuberculosis complicated by amyloidosis of the internal organs] Strel'tsov VP, et al. **Probl Tuberk** (6):29–34, 1975 (Eng. Abstr.) **(Rus)**

[Functional state of the liver and the metabolism of isoniazid and PASA in adolescents with intrathoracic tuberculosis] Tytor IaN. **Probl Tuberk** (7):29–32, Jul 76 (Eng. Abstr.) **(Rus)**

[Secretory function of the stomach in patients with pulmonary tuberculosis associated with ulcer disease, chronic gastritis and cholecystoangiocholitis] Barenboĭm AM, et al. **Vrach Delo** (3):108–12, Mar 76 (Eng. Abstr.) **(Rus)**

[Permeability of the vascular wall in patients with fibrous-cavernous pulmonary tuberculosis] Fomicheva NI, et al. **Vrach Delo** (3):96–9, Mar 74 (Eng. Abstr.) **(Rus)**

[Sympathetic-adrenal system in chronic cor pulmonale with tuberculosis] Kulachkovskiĭ IuV. **Vrach Delo** (10):55–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Characteristics of pressure in the pulmonary artery during treatment of chronic cor pulmonale in patients with pulmonary tuberculosis] Lapteva IM. **Vrach Delo** (3):102–3, Mar 76 **(Rus)**

[Contractile function of the myocardium after clinically cured pulmonary tuberculosis according to kinetocardiographic data] Shevchenko RN, et al. **Vrach Delo** (11):45–8, Nov 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Proceedings: Tuberculosis in the Western Pacific Region: Singapore. Chew CH. **Bull Int Union Tuberc** 49 suppl 1:29–30, Aug 74

Proceedings: Tuberculosis in the Western Pacific Region: New Zealand. Collins M. **Bull Int Union Tuberc** 49 suppl 1:29, Aug 74

Proceedings: Tuberculosis in the Western Pacific Region: Indonesia. Gunardi AS. **Bull Int Union Tuberc** 49 suppl 1:26–7, Aug 74

Difficulties and achievements in tuberculosis control in Indonesia. Gunardi AS. **Bull Int Union Tuberc** 49 suppl 1:246–8, Aug 74

Training of medical interns in tuberculosis and chest diseases. Mehrotra ML. **Bull Int Union Tuberc** 49 suppl 1:225–30, Aug 74

Proceedings: Tuberculosis in the Western Pacific Region: Hong Kong. Pau Wai DB. **Bull Int Union Tuberc** 49 suppl 1:26, Aug 74

Malaysian tuberculosis programme. Sodhy JS. **Bull Int Union Tuberc** 49 suppl 1:111–2, Aug 74

Observations on the examination of contacts of tuberculosis patients—a 15 year study (1953–67). Yad MI. **Bull Int Union Tuberc** 49 suppl 1:261–6, Aug 74

Chemoprophylaxis in inactive tuberculosis: long-term evaluation of a Canadian trial. Grzybowski S, et al. **Can Med Assoc J** 114(7):607–11, 3Apr 76

Letter: The isoniazid problem Farer LS. **Gastroenterology** 70(4):631, Apr 76

Letter: The isoniazid problem. Reichman LB. **Gastroenterology** 70(4):631–2, Apr 76

Effect of rifampin on immunity to tuberculosis and on delayed hypersensitivity to purified protein derivative. Youmans AS, et al. **Infect Immun** 13(1):127–32, Jan 76

Surveillance of tuberculosis. Styblo K. **Int J Epidemiol** 5(1):63–8, Mar 76

Protective effects of M. microti vaccine against tuberculosis. Sula L, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):1–6, 1976

Host–parasite relationships in experimental airborne tuberculosis. V. Lack of hematogenous dissemination of Mycobacterium tuberculosis to the lungs in animals vaccinated with Bacille Calmette–Guérin. Fok JS, et al. **J Infect Dis** 133(2):137–44, Feb 76

Letter: Simultaneous administration of isoniazid and BCG to the infant of a tuberculous mother. Podgore JK. **J Pediatr** 89(4):679, Oct 76

Fatal hepatic necrosis due to isoniazid chemoprophylaxis in a 15-year-old girl. Vanderhoof JA, et al. **J Pediatr** 88(5):867–8, May 76

Letter: B.C.G. at school. Bowe JC, et al. **Lancet** 2(7943):1036, 22 Nov 75

Cost effectiveness of screening for tuberculosis in a general medical clinic. Feingold AO. **Public Health Rep** 90(6):544–7, Nov–Dec 75

Principles and effects of mass screening: Danish experience in tuberculosis screening. Horwitz O, et al. **Public Health Rep** 91(2):146–53, Mar–Apr 76

Tuberculosis control: progress of the new strategy. **WHO Chron** 29(4):123–33, Apr 75

Mass radiography in tuberculosis control. Toman K. **WHO Chron** 30(2):51–7, Feb 76

Superiority of intravenously administered BCG and BCG cell walls in protecting rhesus monkeys (Macaca mulatta) against airborne tuberculosis. Anacker RL, et al. **Z Immunitaetsforsch** 143(4):363–76, May 72

[Ten years of school-health care and fight against tuberculosis (author's transl)] Gyselen A. **Acta Tuberc Pneumol Belg** 65(5):421–8, Sep–Oct 74 (Eng. Abstr.) **(Dut)**

[Radiological screening of the population and lung carcinoma] Huisken DP. **Ned Tijdschr Geneeskd** 120(23):988–93, 5 Jun 76 (Eng. Abstr.) **(Dut)**

[Education and training of medical personnel with respect to the tasks which they must perform in a tuberculosis control program] **Bull Int Union Tuberc** 49(1):261–5, 1974 **(Fre)**

[Experience with tuberculosis control measures in the Republic of Uzbekistan] Alimov ShA. **Bull Int Union Tuberc** 49(1):256–8, 1974 **(Fre)**

[Problems of health authorities posed by the reorientation of tuberculosis control programs in countries with a low incidence of tuberculosis] Ammundsen E. **Bull Int Union Tuberc** 49(1):242–55, 1974 **(Fre)**

[Contribution to the round table discussion on the training of medical personnel with respect to a modern program of tuberculosis control] Valladares G R. **Bull Int Union Tuberc** 49(1):281–4, 1974 **(Fre)**

[The 2nd decree on prevention and control of tuberculosis; new tasks and perspectives for pneumonology in GDR (AUTHOR'S TRANSL)] Steinbruck P. **Z Erkr Atmungsorgane** 145(1):3–6, Apr 76 (Eng. Abstr.) **(Ger)**

[Legal regulations in the field of tuberculosis control in the German Democratic Republic. 2nd regulation for the prevention and control of tuberculosis issued on 15 May 1975 (Gesezbl. d. DDR, Teil I Nr 28/1975 p. 521)] Steinbrück P. **Z Erkr Atmungsorgane** 145(1):126–39, Apr 76 **(Ger)**

[Absenteeism caused by pulmonary tuberculosis in Poland as an auxiliary criterion of assessment of the efficiency of tuberculosis control] Biernacik J. **Gruzlica** 43(10):887–94, Oct 75 **(Pol)**

[Role of radiophotography in the implementation of the program of tuberculosis detection in the years 1965–1974 as well as recommendations for a program to run to 1980] Rudzińska H, et al. **Pneumonol Pol** 44(6):527–40, 1976 (Eng. Abstr.) **(Pol)**

[Measures for the control of tuberculosis in Brazil, using BCG vaccination] Brólio R. **Rev Assoc Med Bras** 21(12):377–80, Dec 75 **(Por)**

[Planning of antitubercular activites using the Cendes/PAHO method] Arantes GR. **Rev Saude Publica** 10(1):17–29, Mar 76 (Eng. Abstr.) **(Por)**

[Integration of intradermal BCG vaccination activities into general public-health immunization programs] Brólio R, et al. **Rev Saude Publica** 10(1):111–6, Mar 76 (Eng. Abstr.) **(Por)**

[Tuberculosis prevention in the Socialist Republic of Rumania. Present tasks and perspectives] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 24(2):67–72, Apr–Jun 75 **(Rum)**

[Contribution of radiophotography in the knowledge and control of tuberculosis endemia in the area of an anti-tubercular dispensary] Bobohalma N. **Rev Ig [Pneumoftiziol]** 24(3):160, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Long-term study of the effect of successive surveys on tuberculosis endemia] Lupşa M, et al. **Rev Ig [Pneumoftiziol]** 24(3):155–8, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Model of eradication of tuberculosis in children in an area with high epidemiological potential] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 24(2):79–84, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Current status of BCG vaccination in our country (report)] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 25(2):71–8, Apr–Jun 76 **(Rum)**

[Current aspects of immunoprophylaxis and chemoprophylaxis of tuberculosis] Moisescu V. **Rev Ig [Pneumoftiziol]** 24(4):193–201, Oct–Dec 75 (53 ref.) **(Rum)**

[Current trends in the prevention of pulmonary tuberculosis (report)] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 25(2):65–70, Apr–Jun 76 (48 ref.) **(Rum)**

[Aspects of tuberculosis prevention in Morocco] Petrescu G. **Rev Ig [Pneumoftiziol]** 25(1–2):47–50, Jan–Mar 76 **(Rum)**

[Comparative immediate results after the use of several lyophilized BCG vaccines] Poeniță L, et al. **Rev Ig [Pneumoftiziol]** 24(4):221–6, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[20 years of experience in the use of radiophotography in the prevention of tuberculosis] Seiciu P, et al. **Rev Ig [Pneumoftiziol]** 24(3):158–9, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Organization of continuous fluorographic examination of population of an urban region] Abdurakhmanov A, et al. **Probl Tuberk** (9):12–6, 1975 (Eng. Abstr.) **(Rus)**

[Fluorographic examination of the population and the program for the prevention of tuberculosis in Poland] Rudzinska H, et al. **Probl Tuberk** (21):16–20, Feb 76 (Eng. Abstr.) **(Rus)**

[Organizational basis of eradication of tuberculosis] Saleev AA. **Probl Tuberk** (9):1–4, 1975 (Eng. Abstr.) **(Rus)**

[Effectiveness of fluorographic examinations] Tverdokhlebov PM. **Vrach Delo** (10):143–4, Oct 75 **(Rus)**

[Certain problems of tuberculosis control in the Far North region] Desiatovskiĭ VA, et al. **Zdravookhr Ross Fed** (7):11–3, Jul 75 **(Rus)**

[Organization of mass fluoroscopic examinations of the population at the rural health center] Iudin ID, et al. **Zdravookhr Ross Fed** (5):10–1, May 76 **(Rus)**

[Organization of bronchological examination of ambulatory patients under conditions of antituberculosis dispensary] Strelis AK, et al. **Zdravookhr Ross Fed** (1):17–9, Jan 76 **(Rus)**

[Approaches for the control of tuberculosis in the Americas] Pío A, et al. **Bol Of Sanit Panam** 80(4):281–7, Apr 76 (Eng. Abstr.) **(Spa)**

[Evaluation of tuberculosis control program (author's transl)] Grinspun M. **Rev Med Chil** 103(2):143–6, Feb 75 (Eng. Abstr.) **(Spa)**

[Basic problems analyzed by Dr. Wallace Fox in the national campaign against tuberculosis in Mexico] Fox W. **Salud Publica Mex** 18(1):162–5, Jan–Feb 76 **(Spa)**

[Tuberculosis control program in Mexico City] Herrera Contreras M, et al. **Salud Publica Mex** 18(1):125–33, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[Report on the control of tuberculosis in Mexico. August 3–31, 1974] Kent PW. **Salud Publica Mex** 18(1):165–79, Jan–Feb 76 **(Spa)**

[National program of tuberculosis control in El Salvador] Pacheco S. **Salud Publica Mex** 18(1):181–9, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

Analysis of the Mexico–0400 project, control of tuberculosis. Pío A. **Salud Publica Mex** 18(1):151–62, Jan–Feb 76 **(Spa)**

[Editorial: Simplified technics and major responsibility in the control of tuberculosis] Sentíes R. **Salud Publica Mex** 18(1):9–11, Jan–Feb 76 **(Spa)**

[The control of tuberculosis in Mexico] Sentíes R, et al. **Salud Publica Mex** 18(1):135–50, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[BCG vaccination policies in Mexico] Sentíes R, et al. **Salud Publica Mex** 18(1):89–96, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[BCG vaccination concentrated by a multipuncture method using a bifurcated needle] Sentíes VR, et al. **Salud Publica Mex** 18(1):97–109, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Mass x-ray surveys in New Zealand. Collins CM. **Bull Int Union Tuberc** 49 suppl 1:302–6, Aug 74

Proceedings: Long term dividends from mass x-ray surveys. Desgrand VG. **Bull Int Union Tuberc** 49 suppl 1:322–3, Aug 74

Pulmonary tuberculosis case-detection programme and use

of mobile mass x-ray campaigns in developing countries. Roy RN. **Bull Int Union Tuberc** 49 suppl 1:297–301, Aug 74

Proceedings: Unusual chest x-ray manifestation in pulmonary tuberculosis. Yang SP, et al. **Bull Int Union Tuberc** 49 suppl 1:270, Aug 74

Is a systematic annual chest film useful? Tenret J. **Conn Med** 39(10):604–7, Oct 75

Radiological patterns of pulmonary tuberculosis in Nigeria. Kolawole TM, et al. **Trop Geogr Med** 27(4):339–50, Dec 75

[Various, still current characteristics problems of AT (Antituberculous) service] Zoric M. **Plucne Bolesti Tuberk** 27(1–2):74–81, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

[How useful is population screening?] Melin J. **Duodecim** 92(2):51–6, 1976 **(Fin)**

[Diagnosis, using radiological films, of the age of pulmonary lesions following endogenous recurrence of exogenous infection in adults] Bloedner CD. **Bull Int Union Tuberc** 49(1):356, 1974 **(Fre)**

[Suggestions for the reduction of medical radiation in pulmonary tuberculosis[Fulea C, et al. **Sante Publique (Bucur)** 18(1):83–92, 1975 **(Fre)**

[Mass radiography in Hessen (author's transl)] Engelbach K. **Prax Pneumol** 30(4):235–46, Apr 76 (Eng. Abstr.) **(Ger)**

[A statistical analysis of the results of mass radiography in Schleswig Holstein (author's transl)] Faass W, et al. **Prax Pneumol** 29(6):340–5, Jun 75 (Eng. Abstr.) **(Ger)**

[A case report of atypical pulmonary tuberculosis with multiple nodular shadows on the chest roentogenogram (author's transl)] Okamoto S, et al. **Jpn J Thorac Dis** 13(6):353–7, Jun 75 (Eng. Abstr.) **(Jpn)**

[Radiographic classification of pulmonary tuberculosis] Fujita S. **Kekkaku** 50(11):520–4, Dec 75 **(Jpn)**

[A case report on pulmonary tuberculosis patient with consumption coagulopathy and showing rapid bullous formation (author's transl)] Inagaki Y, et al. **Kekkaku** 51(3):83–9, Mar 76 (Eng. Abstr.) **(Jpn)**

[Photofluorography of tuberculosis] Misonoo K. **Kekkaku** 50(11):525–7, Dec 75 **(Jpn)**

[Method of study of the activity of pulmonary tuberculosis] Mikhailov FA, et al. **Klin Med (Mosk)** 53(12):68–71, Dec 75 **(Rus)**

[Electroradiographic diagnosis of pulmonary tuberculomas] Dubynina VP, et al. **Probl Tuberk** (12):32–4, 1975 (Eng. Abstr.) **(Rus)**

[Experience in the use of electroradiography in patients with metatuberculous changes in the lungs] Gamperis IuL, et al. **Probl Tuberk** (21):55–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Possibilities and limitations of roentgenological diagnosis of pulmonary tuberculosis] Ginzburg MA. **Probl Tuberk** (4):31–5, 1975 (Eng. Abstr.) **(Rus)**

[Bronchoradiometry in differential diagnosis of cancer and tuberculosis of the lungs] Krishtafovich AA. **Probl Tuberk** (10):34–8, 1975 (Eng. Abstr.) **(Rus)**

[Fluoroscopic examination of the rural population] Shadmonov ShT, et al. **Probl Tuberk** (4):11–4, 1975 (Eng. Abstr.) **(Rus)**

[Characteristics of patient group VII B in the outpatient registry] Shilova MV, et al. **Probl Tuberk** (7):3–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Electroradiography in the diagnosis of pulmonary tuberculosis] Urbonavichius SK, et al. **Probl Tuberk** (12):30–2, 1975 **(Rus)**

[Zonography in the study of the structure and function of the lungs in patients with tuberculosis] Varnovitskii GI, et al. **Probl Tuberk** (8):29–31, 1975 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of the destructive forms of cancer and tuberculosis of the lungs] Sergeev IS, et al. **Ter Arkh** 47(3):116–21, 1975 (Eng. Abstr.) **(Rus)**

[Bronchographic symptom for differential diagnosis of tuberculosis] Ezhov NN. **Vestn Rentgenol Radiol** (4):25–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Difficulties in the differential x-ray diagnosis of tubercular caverns] Osilkil IIu, et al. **Vestn Rentgenol Radiol** (2):95–6, Mar–Apr 75 **(Rus)**

[Changes in the peripheral bronchi in cavernous forms of pulmonary tuberculosis] Strelis AK, et al. **Vestn Rentgenol Radiol** (4):29–33, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The right upper lobe syndrome] Babini DS. **Rev Fac Cienc Med Cordoba** 32(2):175–81, Apr–Jun 74 (Eng. Abstr.) **(Spa)**

REHABILITATION

Treating a Chinese girl suffering from tuberculosis. Davis E. **Bull Int Union Tuberc** 49 suppl 1:47–50, Aug 74

A vocational rehabilitation project for tuberculosis patients in Bangladesh. Giasuddin MD. **Bull Int Union Tuberc** 49 suppl 1:292–3, Aug 74

The rehabilitation of recovered TB patients. Samarasinghe CE. **Bull Int Union Tuberc** 49 suppl 1:231–5, Aug 74

[Round table discussion on 'Current standards for the reintegration of the tuberculosis patient in normal life] pp. 121–39. **In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973.** **(Ger)**

[Medico-social aspects of tuberculosis (author's transl)] Seitz V. **Prax Pneumol** 29(3):155–61, Mar 75 (Eng. Abstr.) **(Ger)**

[Rehabilitation of tuberculosis patients] Haga T. **Kekkaku** 50(11):593–6, Dec 75 **(Jpn)**

[Criteria of functional rehabilitation after surgery in pulmonary tuberculosis] Grachev AM. **Grudn Khir** (3):83–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Restoration of working capacity after lung rescection in patients with tuberculosis] Iatsozhinskiĭ IuD, et al. **Grudn Khir** (4):49–52, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Follow-up of schoolchildren with mild and torpid forms of tuberculosis in a sanatorium-type boarding school and at home] Alibakieva GM, et al. **Probl Tuberk** (5):23–5, May 76 (Eng. Abstr.) **(Rus)**

[Occupational rehabilitation of patients with tuberculosis after lung resection] Bunin OG, et al. **Probl Tuberk** (8):7–10, 1975 (Eng. Abstr.) **(Rus)**

[Residual changes in patients with pulmonary tuberculosis after long-term antibacterial therapy] Iurchenko LN. **Probl Tuberk** (9):28–31, 1975 (Eng. Abstr.) **(Rus)**

[Rehabilitation of patients with fibrous-cavernous pulmonary tuberculosis complicated by amyloidosis] Kozello NA. **Probl Tuberk** (5):80–1, May 76 **(Rus)**

[Importance of rheographic examination of the lungs in the evaluation of work capacity after pneumonectomy for tuberculosis] Kunitskii EM, et al. **Probl Tuberk** (11):43–6, 1975 (Eng. Abstr.) **(Rus)**

[Problem of rehabilitation in phthisiology (literature survey)] Molotkov VN. **Probl Tuberk** (5):62–8, May 76 **(Rus)**

[Rehabilitation of patients with pulmonary tuberculosis cured by means of antibacterial preparations in combination with collapse therapy methods] Repnitskaia ZD, et al. **Probl Tuberk** (6):17–22, 1975 (Eng. Abstr.) **(Rus)**

[Disability in persons having undergone surgery in pulmonary tuberculosis] Rozenfel'd NIa, et al. **Probl Tuberk** (10):83–4, 1975 **(Rus)**

[Rehabilitation of patients with tuberculosis through complex sanatorium-climatic treatment] Topchiev ShR. **Probl Tuberk** (5):10–4, May 76 (Eng. Abstr.) **(Rus)**

SURGERY

The value of thoracoplasty before extensive unilateral resection for pulmonary tuberculosis. Tamimi TM, et al. **Am Surg** 42(1):71–4, Jan 76

Surgical treatment of pulmonary tuberculosis: past, present and future. Bull PR. **Bull Int Union Tuberc** 49 suppl 1:319–21, Aug 74

Surgical treatment of atypical pulmonary tuberculosis. Elkadi A, et al. **J Thorac Cardiovasc Surg** 72(3):435–40, Sep 76

Surgery in Maryland state tuberculosis hospitals. II. The period 1956–1966. Garvey JW, et al. **Md State Med J** 24(12):67–9, Dec 75

Surgical treatment of pulmonary tuberculosis in Greenland. Andersen S, et al. **Pneumonologie** 153(1):21–7, 12 Dec 75

Surgical treatment of 'tuberculoma'. A follow-up examination of patients with pulmonary tuberculosis resected on suspicion of tumour. Prytz S, et al. **Scand J Thorac Cardiovasc Surg** 10(2):179–82, 1976

Retrospective critical review and analysis of bilateral staged pulmonary resections for treatment of pulmonary tuberculosis. Dross VP. **South Med J** 69(3):273–7, Mar 76

A prospective survey on chest malignancies following multiple fluroscopies during artificial pneumothorax therapy for pulmonary tuberculosis. Kitabatake T, et al. **Tohoku J Exp Med** 118(4):317–22, Apr 76

[Surgical treatment of cleaned cavities] Nikolic D, et al. **Plucne Bolesti Tuberk** 27(1–2):66–9, Jan–Jun 75 (Eng. Abstr.) **(Cro)**

[Development of operative treatment of lung tuberculosis in the last 25 years] pp. 190–4. Schnitzler J. **In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagn Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973.** **(Ger)**

[The development of chest surgery (author's transl)] Beuers B. **Prax Pneumol** 29(12):722–6, Dec 75 (Eng. Abstr.) **(Ger)**

[Postsurgical lung function in non-neoplastic lung diseases--follow-up studies] Imura Y, et al. **J Jpn Assoc Thorac Surg** 23(9):1132–9, Sep 75 (Eng. Abstr.) **(Jpn)**

[Re-examination of plombage in pulmonary tuberculosis--comparison of 3 types of plombage] Sawamura K, et al. **Jpn J Thorac Surg** 29(7):506–9, 1976 (Eng. Abstr.) **(Jpn)**

[Surgical collapse therapy] Miyamoto S. **Kekkaku** 50(11):564–8, Dec 75 **(Jpn)**

[History of surgery of pulmonary tuberculosis in Japan in the last 50 years] Nagaishi T. **Kekkaku** 50(11):549–58, Dec 75 **(Jpn)**

[Surgical management of pulmonary tuberculosis and pulmonary functions] Sagawa Y. **Kekkaku** 50(11):578–9, Dec 75 **(Jpn)**

[Surgical management of refractory pulmonary tuberculosis] Shiozawa M. **Kekkaku** 50(11):583–6, Dec 75 **(Jpn)**

[Pneumonectomy] Suzuki C. **Kekkaku** 50(11):558–63, Dec 75 **(Jpn)**

[Surgical treament for pulmonary tuberculosis at the present stage of development of chemotherapy (author's transl)] Teramatsu T. **Kekkaku** 50(10):303–14, Oct 75 (Eng. Abstr.) **(Jpn)**

[Open drainage therapy, with special reference to cavernoplasty] Teramatsu T. **Kekkaku** 50(11):568–71, Dec 75 **(Jpn)**

[Respiratory consequences of thoracopulmonary surgical operations in children and adolescents] Hreniuc R, et al. **Rev Ig [Pneumoftiziol]** 25(1–2):33–8, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Results of surgical treatment of pulmonary tuberculosis] Danilovskiĭ IuP, et al. **Grudn Khir** (3):64–8, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Preoperative preparation in the surgical treatment of pulmonary tuberculosis] Iatsozhinskiĭ IuD, et al. **Grudn Khir** (6):57–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Lung resection in newly detected pulmonary tuberculosis] Kakitelashvili IaV, et al. **Grudn Khir** (5):60–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Single-stage cavernotomy with restricted thoracoplasty] Kumiagarov IaE. **Grudn Khir** (5):57–60, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Remote results of pneumonectomy in case of affected remaining lung] Tavrovskiĭ VM, et al. **Grudn Khir** (4):42–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Role of therapeutic pneumothorax in modern phthisiatry] Barenboĭm AM, et al. **Klin Med (Mosk)** 53(12):72–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Transfusions of defrosted autologous blood during surgery in pulmonary tuberculosis] Arganenko VA, et al. **Probl Gematol Pereliv Krovi** 20(9):13–5, Sep 75 **(Rus)**

[Metabolism of microelements in patients operated on for pulmonary tuberculosis] Bernikova EM, et al. **Probl Tuberk** (11):46–9, 1975 (Eng. Abstr.) **(Rus)**

[Condition of the stump of the main bronchus after pneumonectomy in pulmonary tuberculosis] Chefranov VS, et al. **Probl Tuberk** (4):35–8, 1975 (Eng. Abstr.) **(Rus)**

[Use of a cryopreserved autoerythrocytic mass in the surgical treatment of pulmonary tuberculosis] Fel'berg MB, et al. **Probl Tuberk** (7):35–8, Jul 76 (Eng. Abstr.) **(Rus)**

[Results of simultaneous cavernotomy and limited thoracoplasty in treatment of patients with disseminated and complicated fibrous-cavernous pulmonary tuberculosis] Kimiagarov IaE, et al. **Probl Tuberk** (8):38–42, 1975 (Eng. Abstr.) **(Rus)**

[Bronchological study in surgical treatment of disseminated forms of pulmonary tuberculosis] Miroshnikov BI, et al. **Probl Tuberk** (8):35–8, 1975 (Eng. Abstr.) **(Rus)**

[Drainage of caverns in patients with diffuse bilateral destructive pulmonary tuberculosis] Miroshnikov BI, et al. **Probl Tuberk** (12):20–3, 1975 (Eng. Abstr.) **(Rus)**

[Method of aspiration drainage of the pleural cavity following partial resection of the lung for tuberculosis] Omirov VM, et al. **Probl Tuberk** (21):25–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Experience in the use of pleural plasty for the correction of the dimensions of the hemithorax following partial resection of the lung in patients with tuberculosis] Pushkarenko BT. **Probl Tuberk** (6):84–5, 1975 **(Rus)**

[Peridural anesthesia for postoperative analgesia in the surgery of pulmonary and pleural tuberculosis] Rumiantsev VB, et al. **Probl Tuberk** (6):37–41, 1975 (Eng. Abstr.) **(Rus)**

[Use of seduxen in phthisiosurgical patients] Savonicheva IP, et al. **Probl Tuberk** (21):28–31, Feb 76 (Eng. Abstr.) **(Rus)**

[Reactivation of the process after resection interventions in pulmonary tuberculosis] Shlain BI, et al. **Probl Tuberk** (7):43–6, Jul 76 (Eng. Abstr.) **(Rus)**

[Need for surgical treatment of patients with pulmonary tuberculosis] Slepukha IM. **Probl Tuberk** (4):1–3, 1975 (Eng. Abstr.) **(Rus)**

[Dynamic changes in the caverns after an apical osteoplastic thoracoplasty in patients with fibro-cavernous pulmonary tuberculosis] Ursov IG, et al. **Probl Tuberk** (4):28–31, 1975 (Eng. Abstr.) **(Rus)**

[Late results of surgical treatment of pulmonary tuberculosis with pronounced intolerance to chemical preparations] Akmatov TA. **Zdravookhr Kirg** (6):24–6, Nov–Dec 75 **(Rus)**

[Block resection of the lung: technic and indications] Karadeniz A. **Turk Tip Dern Derg** 39(12):476–82, 1973 (Eng. Abstr.) **(Tur)**

THERAPY

Letter: Treating tuberculosis in the poor black alcoholic male. Dandoy S. **Am Rev Respir Dis** 112(5):743, Nov 75

Tuberculosis care in general hospitals: Arizona's experience. Dandoy S, et al. **Am Rev Respir Dis** 112(6):757–63, Dec 75

Letter: The treatment of the problem patient with tuberculosis. McDonald RJ, et al. **Am Rev Respir Dis** 113(3):401–2, Mar 76

A national treatment survey in Singapore: a two year follow-up. Chew CH. **Bull Int Union Tuberc** 49 suppl 1:236–43, Aug 74

Conservative management of tubercular broncho-pleural fistula. Jain SK, et al. **Indian J Chest Dis** 17(2):79–84, Apr 75

TB demonstration program implemented. **J Miss State Med Assoc** 16(9):304, Sep 75

The beginning of the tuberculosis sanatorium movement in Maryland. Mathews WB. **Md State Med J** 25(8):28–31, Aug 76

[Results of an operational study on a treatment program in the sub-district of Stabat (northern part of the island of Sumatra)] Kusnadi H. **Bull Int Union Tuberc** 49(1):112–7, 1974 **(Fre)**

[Refractory pulmonary tuberculosis] Kitamoto O. **Kekkaku** 50(11):580–3, Dec 75 **(Jpn)**

[Physical fitness in tuberculous patients having undergone general exercise therapy] Jagodziński J, et al. **Gruzlica** 43(8):727–35, Aug 75 (Eng. Abstr.) **(Pol)**

[Treatment of pulmonary tuberculosis at the mountain health resort] Adamian GA. **Probl Tuberk** (5):29–33, May 76 (Eng. Abstr.) **(Rus)**

[Improving the effectiveness of sanatorium treatment of patients with tuberculosis of the respiratory organs] Batmanov NIa. **Probl Tuberk** (5):6–10, May 76 (Eng. Abstr.) **(Rus)**

[Experience in the organization of the treatment of World War II invalids with tuberculosis of the respiratory organs] Berezovskiĭ BA, et al. **Probl Tuberk** (6):83–4, 1975 **(Rus)**

[Results of treatment of newly detected destructive pulmonary tuberculosis] Borshtenbinder IV, et al. **Probl Tuberk** (11):9–11, 1975 (Eng. Abstr.) **(Rus)**

[Treatment effectiveness in newly detected destructive pulmonary tuberculosis] Fedotova ZN, et al. **Probl Tuberk** (7):50–3, Jul 76 (Eng. Abstr.) **(Rus)**

[Effectiveness of hospital treatment of chronic destructive pulmonary tuberculosis] Kalabukha AV, et al. **Probl Tuberk** (11):26–30, 1975 (Eng. Abstr.) **(Rus)**

[Effectiveness of treatment depending on its duration and compliance with the regimen] Kolomiets VM. **Probl Tuberk** (11):76–7, 1975 **(Rus)**

[Effectiveness of sanatorium–climatic treatment of destructive in patients pulmonary tuberculosis, aged 50 years and older] Navrotskiĭ VV. **Probl Tuberk** (5):33–6, May 76 (Eng. Abstr.) **(Rus)**

[Organization and effectiveness of treatment of newly detected tuberculosis under sanatorium conditions] Novikova GG, et al. **Probl Tuberk** (5):20–2, May 76 (Eng. Abstr.) **(Rus)**

[Results of the use of occupational therapy in complex treatment of pulmonary tuberculosis at an occupational therapy sanatorium] Pulatov VR, et al. **Probl Tuberk** (5):25–9, May 76 (Eng. Abstr.) **(Rus)**

[Organization of treatment and expert testimony of temporary disability of patients with newly detected pulmonary tuberculosis] Solov'eva VA, et al. **Probl Tuberk** (8):10–5, 1975 (Eng. Abstr.) **(Rus)**

[Work of the antituberculosis night sanatoria] Stakhova NP. **Probl Tuberk** (5):17–9, May 76 (Eng. Abstr.) **(Rus)**

[Use in sanatoria of the southern coast of the Crimea of occupational therapy in patients with pulmonary tuberculosis] Topchiev ShR. **Probl Tuberk** (12):39–42, 1975 (Eng. Abstr.) **(Rus)**

[Experience of a district antituberculosis dispensary in the organization of work of local sanatoria] Vasil'eva GF, et al. **Probl Tuberk** (5):15–7, May 76 (Eng. Abstr.) **(Rus)**

[Analysis of the effectiveness of antitubercular measures] Plokhio NI, et al. **Voen Med Zh** (10):72–3, Oct 75 **(Rus)**

[Ambulatory treatment of patients with tuberculosis and diseases of the digestive organs] Barenboĭm AM, et al. **Vrach Delo** (9):151–4, Sep 75 **(Rus)**

[Use of ultrasonics in complex treatment of destructive pulmonary tuberculosis] Fomicheva NI, et al. **Vrach Delo** (2):88–9, Feb 76 **(Rus)**

TRANSMISSION

Contacts of cases of active pulmonary tuberculosis. Grzybowski S, et al. **Bull Int Union Tuberc** 50(1):90–106, 1975

Results of contact examination in Rotterdam, 1967–1969. van Geuns HA, et al. **Bull Int Union Tuberc** 50(1):107–21, 1975

[The significance of speaking for the transfer of bacteria, and of the tuberculin skin test for the diagnosis of tuberculosis (author's transl)] Spiess H. **Monatsschr Kinderheilkd** 123(6):495–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Tuberculosis infection in adults and its significance in assessing an epidemic situation] Sokol'skaia NS, et al. **Zdravookhr Kirg** (3):3–6, May–Jun 76 **(Rus)**

URINE

Determination of acetylator phenotype based on the ratio of acetylisoniazid to isoniazid in urine following an oral dose of ordinary isoniazid. Raghupati Sarma G, et al. **Indian J Med Res** 64(1):1–8, Jan 76

[Glucocorticoid and androgenic functions of the adrenal cortex in adolescents with tuberculosis of the respiratory organs] Koropetskiĭ VI. **Probl Tuberk** (7):26–9, Jul 76 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, RENAL

COMPLICATIONS

Retinal involvement in a case of nephronophthisis associated with liver fibrosis Senior–Boichis syndrome. Stanescu B, et al. **Birth Defects** 12(3):463–74, 1976

Abdominal pregnancy complicated by genital and renal tuberculosis and hemolytic anemia. Semchyshyn S, et al. **Fertil Steril** 26(11):1142–5, Nov 75

Renovascular hypertension in renal tuberculosis. Pinedo HM, et al. **Neth J Med** 18(5):184–90, 1975

[Combined surgical treatment and rehabilitation of patients with combined renal and pulmonary tuberculosis] Iatsozhinskiĭ IuD, et al. **Probl Tuberk** (6):34–7, 1975 (Eng. Abstr.) **(Rus)**

[Kidney diseases after nephrectomy in tuberculosis] Kamyshan IS, et al. **Probl Tuberk** (9):57–60, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Juvenile nephronophthisis. Makker SP. **Compr Ther** 2(2):61–4, Feb 76

Renal tuberculosis: report of a case. Rose S. **J Am Osteopath Assoc** 75(1):31–9, Sep 75

[Proceedings: Renal tuberculosis in an 11 1/2–year–old girl] Roussel B, et al. **Pediatrie** 30(5):537–8, Jul–Aug 75 **(Fre)**

[Significance of the tuberculin test in the early detection of renal tuberculosis] Lopatkine NA, et al. **Urol Int** 30(5):321–5, 1975 (Eng. Abstr.) **(Fre)**

[Comparison of the clinical symptoms of nephronophtisis and oligomeganephrony] Lennert T, et al. **Monatsschr Kinderheilkd** 123(5):417–8, May 75 **(Ger)**

[Diagnostic importance of provocative tuberculin test in renal tuberculosis during fractionating urinalysis] Pytel' IuA, et al. **Sov Med** (7):96–100, Jul 75 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of electroureterography in renal tuberculosis] Kolesnikov GF, et al. **Vrach Delo** (3):112–5, Mar 76 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A comparative survey of two schemes of tuberculostatics. Denys H, et al. **Acta Urol Belg** 43(4):376–85, Oct 75

Conservative management of renal tuberculosis. Horne NW, et al. **Br J Urol** 47(5):481–7, Oct 75

Urinary tuberculosis: a review of 44 cases treated since 1963. Teklu B, et al. **J Urol** 115(5):507–9, May 76

ETIOLOGY

On the increase of the percentage of females among patients with infectious and calculous renal diseases and on its possible causes. Shabad AL. **Int Urol Nephrol** 7(3):179–82, 1975

New features in the pathogenesis of renal tuberculosis and their significance for its detection. Shabad AL. **Urol Int** 30(4):297–304, 1975

[Clinical observations of severe complications occurring after retrograde pyelography] Viktorov I, et al. **Khirurgiia (Sofiia)** 28(5):449–54, 1975 (Eng. Abstr.) **(Bul)**

FAMILIAL & GENETIC

Senior–Loken syndrome (nephronophthisis and tapeto–retinal degeneration): a study of 8 cases from 5 families. Fillastre JP, et al. **Clin Nephrol** 5(1):14–9, Jan 76

Letter: Medullary cystic disease vs nephrophthisis. Gardner KD Jr. **JAMA** 234(10):1019, 8 Dec 75

IMMUNOLOGY

[Leukocyte migration inhibition phenomenon in tuberculosis of the kidneys and urogenital organs] Kitaev MI, et al. **Zdravookhr Kirg** (4):9–11, Jul–Aug 76 **(Rus)**

PATHOLOGY

[Clinico–pathological conference XXV:dysuria, lower back pain and paraplegia in an old woman] Sutinen S, et al. **Duodecim** 91(12):790–5, 1975 **(Fin)**

[Pathology of renal tuberculosis (author's transl)] Ual Uehlinger E. **Radiologe** 16(6):220–5, Jun 76 (Eng. Abstr.) **(Ger)**

[Changes of microcirculatory vascular bed in experimental renal tuberculosis] Bellendir EN. **Probl Tuberk** (8):66–73, 1975 (Eng. Abstr.) **(Rus)**

[Morphological changes outside the zone of specific infection in renal tuberculosis] Braude VI. **Probl Tuberk** (12):69–74, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Function of the tuberculous solitary kidney] Schindler E, et al. **Med Welt** 27(24):1198–2000, 11 Jun 76 **(Ger)**

RADIOGRAPHY

[Angiography of urotuberculosis (author's transl)] Klein U, et al. **Radiologe** 16(6):240–7, Jun 76 (Eng. Abstr.) **(Ger)**

[Roentgen diagnosis of renal tuberculosis (author's transl)] Swart B. **Radiologe** 16(6):226–30, Jun 76 (Eng. Abstr.) **(Ger)**

[Angiography and renal tuberculosis (author's transl)] Haertel M, et al. **Roentgenblaetter** 28(11):511–7, Nov 75 **(Ger)**

[Angiography and urography in the diagnostic and clinical assessment of renal tuberculosis] Romani F, et al. **Minerva Urol** 27(4):147–57, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Radiotelevision radioscopy and radiocinematography in urologic tuberculosis] Kamyshan IS, et al. **Probl Tuberk** (6):62–5, 1975 (Eng. Abstr.) **(Rus)**

SURGERY

Cavernotomy in renal tuberculosis. Seven cases. Review of the literature. Steinbock A. **Ann Chir Gynaecol Fenn** 64(4):203–8, 1975

[Treatment of tuberculous stenosis of the renal pelvis by pyelo–ureter–plasty. Apropos of 2 cases] Ducassou J, et al. **J Urol Nephrol (Paris)** 81(1–2):132–3, Jan–Feb 75 **(Fre)**

[Late results of ileo–cysto–plasty (author's trans)] Durand L, et al. **J Urol Nephrol (Paris)** 81(1–2):1–13, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Long–term results of conservative surgery for bilateral renal tuberculosis (author's transl)] Stoica MS. **J Urol Nephrol (Paris)** 81(7–8):515–22, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[State and function of a solitary kidney in children after nephrectomy in renal tuberculosis] Kostylev BA, et al. **Vopr Okhr Materin Det** 20(11):43–5, Nov 75 **(Rus)**

URINE

[L–forms in the urine of patients with renal tuberculosis] Kochemasova ZN, et al. **Probl Tuberk** (4):68–70, 1975 **(Rus)**

TUBERCULOSIS SOCIETIES see under **VOLUNTARY HEALTH AGENCIES**

TUBERCULOSIS, SPINAL

Case report and review of current treatment methods. Tuberculous spondylitis. Wilkes LL, et al. **J Med Assoc Ga** 65(1):9–12, Jan 76 (24 ref.)

Spinal tuberculosis (two cases). Yates DA. **Proc R Soc Med** 68(9):545–6, Sep 75

[Backache and subacute paraplegia: tuberculous spondylitis (spinal cord compression with abscess formation)] Toyokura Y, et al. **Jpn J Clin Med** Spec No:706–7, 1006–7, 10 Apr 75 **(Jpn)**

COMPLICATIONS

Radicular symptoms in tuberculosis. A case report. Myllylä VV, et al. **Eur Neurol** 14(2):90–6, 1976

One case report of quadriparesis from tuberculous infection of the cervical spine. Mennonna P, et al. **J Neurosurg Sci** 18(4):278–81, Oct–Dec 74

[Radiculo–myelopathy due to primary spinal tubercular leptomeningitis in the adult] Simonetti C, et al. **Riv Neurobiol** 19(1–2):145–54, Jan–Jun 73 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Proceedings: Tuberculous abscess formation in the spinal canal. Shaaban M, et al. **Acta Neurochir (Wien)** 31(3–4):307, 1975

Tuberculous epidural granuloma simulating a herniated lumbar disc. Reina A. **Surg Neurol** 4(3):336–8, Sep 75

[Pseudo–Pott spondylodiscitis during ankylosing spondylarthritis] Doury P, et al. **Ann Med Interne (Paris)** 126(8–9):697–701, Aug–Sep 75 **(Fre)**

[Results of skeletal scintigraphy in spondylitis] Gebert G, et al. **Radiol Diagn (Berl)** 15(1):73–82, 1974 (Eng. Abstr.) **(Ger)**

[Clinico–roentgenological picture of tuberculous spondylitis complicated by bronchial fistula] Serov IuK. **Probl Tuberk** (10):60–4, 1975 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Spinal tuberculosis treated by antituberculous chemotherapy and radical operation. Riska EB. **Clin Orthop** (119):148–58, Sep 76

HISTORY

The classic: Wiring of the vertebrae as a means of immobilization in fracture and Potts' disease. Berthold E. Hadra. Med Times and Register, Vol22, May 23, 1891. Hadra BE. **Clin Orthop** (112):4–8, Oct 75

PATHOLOGY

[Clinico–pathological conference XXV:dysuria, lower back pain and paraplegia in an old woman] Sutinen S, et al. **Duodecim** 91(12):790–5, 1975 **(Fin)**

PHYSIOPATHOLOGY

[Circulating blood volume in tuberculosis patients undergoing spinal operations] Vilenchuk EA. **Probl Tuberk** (7):39–43, Jul 76 (Eng. Abstr.) **(Rus)**

REHABILITATION

[System of rehabilitation for patients with spinal tuberculosis complicated by paresis and paralysis] Gur'ian EV, et al. **Probl Tuberk** (6):9–12, 1975 (Eng. Abstr.) **(Rus)**

SURGERY

Transthoracic approach for Pott's disease. Richardson JD, et al. **Ann Thorac Surg** 21(6):552–6, Jun 76

Stablization of the spine in the surgical treatment of severe spinal tuberculosis in children. Jenkins DH, et al. **Clin Orthop** (110):69–80, Jul–Aug 75

Spinal tuberculosis treated by antituberculous chemotherapy and radical operation. Riska EB. **Clin Orthop** (119):148–58, Sep 76

Progressive kyphosis following solid anterior spine fusion in children with tuberculosis of the spine. A long–term study. Fountain SS, et al. **J Bone Joint Surg [Am]** 57(8):1104–7, Dec 75

Paraplegia in spondylitis: results of operative treatment. Felländer M. **Paraplegia** 13(2):75–88, Aug 75

[Treatment of Pott's disease in Dakar] Argenson C, et al. **Bull Soc Med Afr Noire Lang Fr** 19(4):368–71, 1974 (Eng. Abstr.) **(Fre)**

[Reconstructive-osteoplastic operations in radical surgery of tuberculous spondylitis] Nigai GA, et al. **Probl Tuberk** (6):66–72, 1975 (Eng. Abstr.) **(Rus)**

THERAPY

Some problems in diagnosis and management of spinal tuberculosis. Seward DN. **Med J Aust** 1(22):822–6, 29 May 76

'Clinical research – the tale of a trial.' Griffiths DL. **Sci Proc Cardiff Med Soc** :1–8, 1972–73

[Immediate and remote results of treatment of children with tuberculous spondylitis] Kens AI. **Vrach Delo** (1):107–9, Jan 74 **(Rus)**

TUBERCULOSIS, SPLENIC

COMPLICATIONS

[Splenic rupture in the course of hepatosplenic and lymph node tuberculosis] Bentata M, et al. **Bull Soc Pathol Exot** 68(2):159–64, Mar–Apr 75 **(Fre)**

[Myeloid metaplasia with myelosclerosis in the course of a syndrome of splenogenic portal hypertension with a background of splenic tuberculosis] Hossu T, et al. **Rev Med Intern [Med Intern]** 27(2):141–8, Mar–Apr 75 (Eng. Abstr.) **(Rum)**

[Acquired autoimmune hemolytic anemia with an isolated splenic tuberculosis] Gorbatovskaia NS, et al. **Sov Med** (4):147–8, Apr 75 **(Rus)**

ETIOLOGY

Distribution of mycobacteria grown in vivo in the organs of intravenously infected mice. Collins FM, et al. **Am Rev Respir Dis** 113(3):281–6, Mar 76

TUBERCULOSIS, UROGENITAL

Recent changes in the assessment of urogenital tuberculosis. Staehler. **Int Urol Nephrol** 7(4):277–88, 1975

Editorial: Genito-urinary tuberculosis. Chowdhury BK. **J Indian Med Assoc** 65(9):266–7, 1 Nov 75

[Urogenital tuberculosis in 1974] Viville C. **J Chir (Paris)** 109(5–6):661–76, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Urogenital tuberculosis. Study of 34 cases] Hardy JC, et al. **J Urol Nephrol (Paris)** 81(10–11):815–22, Oct–Nov 75 **(Fre)**

COMPLICATIONS

Giant tuberculous hydronephrosis. Raghavaiah NV. **Br J Urol** 47(6):592, Dec 75

Abdominal pregnancy complicated by genital and renal tuberculosis and hemolytic anemia. Semchyshyn S, et al. **Fertil Steril** 26(11):1142–5, Nov 75

Renal calcification in genito-urinary tuberculosis a clinical study. Antonio D, et al. **Int Urol Nephrol** 7(4):289–95, 1975

[Endometrial tuberculosis and amenorrhoea (author's transl)s Horský J, et al. **Cesk Gynekol** 40(7):498–9, Aug 75 **(Slo)**

DIAGNOSIS

Pelvic tuberculosis. Klein TA, et al. **Obstet Gynecol** 48(1):99–104, Jul 76

[Value of quantitative camera functional scintigraphy in urogenital tuberculosis] Pfeifer KJ, et al. **Fortschr Med** 93(27):1249–52, 1282, 25 Sep 75 (Eng. Abstr.) **(Ger)**

[Urogenital-tuberculosis: pathogenesis, diagnostic approach, roentgenologic pathology, staging and remarks for differential diagnosis (author's transl)] Elke M, et al. **Radiologe** 16(6):231–9, Jun 76 (Eng. Abstr.) **(Ger)**

[Diagnosis of urogenital tuberculosis (UGT)] Rothkopf M, et al. **Z Aerztl Fortbild (Jena)** 69(24):1281–4, 15 Dec 75 **(Ger)**

[Diagnostic measures for detection of genital tuberculosis in the Namangan region] Akhmedova DA. **Probl Tuberk** (10):50–1, 1975 (Eng. Abstr.) **(Rus)**

[Experience with utilizing of some reoentgenologic and nuclear examination methods in patients with urotuberculosis (author's transl)] Skutil V, et al. **Bratisl Lek Listy** 64(3):304–11, Sep 75 (Eng. Abstr.) **(Slo)**

[Experience with utilizing of some roentgenologic and nuclear examination methods in patients with urotuberculosis (author's transl)] Skutil V, et al. **Bratisl Lek Listy** 64(3):304–11, Sep 75 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Genitourinary tuberculosis: a study of short course regimens. Gow JG. **J Urol** 115(6):707–11, Jun 76

IMMUNOLOGY

[Leukocyte migration inhibition phenomenon in tuberculosis of the kidneys and urogenital organs] Kitaev MI, et al. **Zdravookhr Kirg** (4):9–11, Jul–Aug 76 **(Rus)**

OCCURRENCE

[Urogenital tuberculosis in antituberculosis dispensary practice] Vaida P. **Rev Ig [Pneumoftiziol]** 24(4):209–12, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Pathogenesis of urogenital tuberculosis: an experimental study in guinea pigs. pp. 354–60. Winblad B, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

RADIOGRAPHY

Angiography in urinary bladder tuberculosis. Hietala SO, et al. **Acta Radiol ®Diagn/bd/(Stockh)** 16(3):297–304, May 75

[Selective kidney angiography. Indispensable diagnostic method in urogenital tuberculosis] Heinze HG, et al. **Fortschr Med** 93(34):1712–7, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[Clinic of Urotuberculosis (author's transl)] Rodeck G. **Radiologe** 16(6):248–56, Jun 76 (Eng. Abstr.) **(Ger)**

[Letter: Urogenital tuberculosis and screening] János M. **Orv Hetil** 116(40):2390–1, 5 Oct 75 **(Hun)**

SURGERY

The surgical management of tuberculous lower ureteric stricture. O'Boyle PJ, et al. **Br J Urol** 48(2):101–5, Apr 76

[The place of total nephro-ureterectomy in the treatment of urinary tuberculosis] Burghele T. **Rev Chir [Chir]** 25(2):81–8, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

THERAPY

Genitourinary tuberculosis: study of 20 patients. O'Boyle P, et al. **Br Med J** 1(6002):141–3, 17 Jan 76

A study of genito-urinary tuberculosis in a Calcutta hospital. Ghoshal SK, et al. **J Indian Med Assoc** 65(9):253–7, 1 Nov 75

[Current problems of urogenital tuberculosis in general practice] Bálint J. **Orv Hetil** 117(24):1456–9, 13 Jun 76 **(Hun)**

TUBERCULOSIS VACCINES

see related

BCG VACCINATION

The residual virulence of the Rumanian strain of B.C.G. Drăghici D, et al. **Arch Roum Pathol Exp Microbiol** 33(3–4):261–6, Jul–Dec 74

Histologic reactions of the thymus, spleen, liver and lymph nodes to intravenous and subcutaneous BCG injections. Khalil A, et al. **Biomedicine** 22(2):112–21, Mar 75

Factors affecting the immunizing activity of ribosomal fractions isolated from Mycobacterium tuberculosis var. bovis strain BCG. Portelance V, et al. **Can J Microbiol** 21(10):1492–9, Oct 75

Superiority of corpuscular BCG to soluble PPD antigen in the leucocyte migration assay. Górski AJ. **Clin Exp Immunol** 18(1):149–53, Sep 74

Freeze dried BCG vaccine sealed in presence of nitrogen. Bhushan K, et al. **Indian J Med Res** 63(9):1335–43, Sep 75

Letter: Use of BCG in place of tuberculin to identify human tuberculous infection. Udani PM. **Indian Pedistr** 13(2):158–60, Feb 76

Immunogenic potency of the Danish and Prague BCG vaccine. Pruchovà J. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):418–20, 1975

Letter: Tuberculosis notwithstanding BCG vaccination. **S Afr Med J** 49(47):1947, 8 Nov 75

[Regulation mechanisms of the activity of T lymphocytes : applications to infective and tumoral pathology. II. — BCG and immuno-stimulation (author's transl)] Lagrange P. **Pathol Biol (Paris)** 24(2):153–9, Feb 76 (56 ref.) (Eng. Abstr.) **(Fre)**

[Comparative values of live or killed BCG and trypsinized Koch's bacillus in the immunization of zebu against tuberculosis] Cheneau Y, et al. **Rev Elev Med Vet Pays Trop** 28(1):1–7, 1975 (Eng. Abstr.) **(Fre)**

[Studies of unheated filtrates of acid-fast bacilli cultures. IV. Physico-chemical characteristics of an unheated filtrate of a 3-week culture of BCG-Poland bacilli] Michalska K, et al. **Gruzlica** 43(9):801–5, Sep 75 (Eng. Abstr.) **(Pol)**

[Integration of intradermal BCG vaccination activities into general public-health immunization programs] Brólio R, et al. **Rev Saude Publica** 10(1):111–6, Mar 76 (Eng. Abstr.) **(Por)**

[Course of tuberculosis in DNA immunization] Gedymin LE, et al. **Probl Tuberk** (6):76–9, 1975 (Eng. Abstr.) **(Rus)**

[Comparative study of biological activity of the Soviet-made BCG vaccine in different periods of its preservation] Iablokova TB, et al. **Probl Tuberk** (11):65–8, 1975 (Eng. Abstr.) **(Rus)**

[Suppression by means of the BCG vaccine of specific antitumor immunity to tumors caused by the virus SV40 in Syrian hamsters] Zhalgasbaeva GT. **Vestn Akad Med Nauk SSSR** (2):15–21, 1976 (Eng. Abstr.) **(Rus)**

[BCG vaccination policies in Mexico] Senties R, et al. **Salud Publica Mex** 18(1):89–96, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

[BCG vaccination concentrated by a multipuncture method using a bifurcated needle] Senties VR, et al. **Salud Publica Mex** 18(1):97–109, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Letter: Routes other than I.V. injection to mice for BCG administration in active immunotherapy of L1210 leukemia. Martin M, et al. **Biomedicine [Express]** 23(8):339–40, 20 OCT 75

Influence of orally administered B.C.G. on growth of transplanted rat tumours. Baldwin RW, et al. **Br J Cancer** 31(1):124–8, Jan 75

Who recommendations for BCG. **Clin Pediatr (Phila)** 15(2):175, FEB 76

The effect of BCG on B16 mouse melanoma: a comparison of routes of administration on tumour growth at different anatomical sites. Proctor JW, et al. **Eur J Cancer** 12(3):203–10, Mar 76

Immunotherapy of cancer: induction of tumor immunity with a mixture of tumor cell-BCG, and the effect of intratumor injection of BCG and of nonliving BCG preparation. Tanaka T, et al. **Gann** 66(6):631–40, Dec 75

Intra-lesional injection of immunostimulants in bilateral rat tumors. Salomon JC, et al. **Int J Cancer** 18(3):379–91, 15 Sep 76

Proceedings: Recent studies with the methanol extraction residue fraction of tubercle bacilli (MER): efficacy of distal administration against solid tumors of experimental animals, and stimulation of cellular immunologic responsiveness in cancer patients. Weiss DW, et al. **Isr J Med Sci** 11(12):1397, Dec 75

Aerosolized BCG (Tice strain) treatment of bronchogenic carcinoma: phase I study. Cusumano CL, et al. **J Natl Cancer Inst** 55(2):275–9, Aug 75

Intralymphatic injection of BCG into rhesus monkeys. Mangan CE, et al. **J Natl Cancer Inst** 55(3):699–704, Sep 75

Editorial: Approaches to local immunotherapy. Freireich EJ. **JAMA** 234(12):1258, 22 Dec 75

Epilesional scarification. Preliminary report of a new approach to local immunotherapy with BCG. Richman SP, et al. **JAMA** 234(12):1233–5, 22 Dec 75

Regional immunotherapy of lung cancer with intrapleural B.C.G. McKneally MF, et al. **Lancet** 1(7956):377–9, 21 Feb 76

Letter:Intravenous B.C.G. in monkeys and man. Mathe G, et al. **Lancet** 1(7950):92, 10 Jan 76

Letter: Intrapleural B.C.G. treatment of experimental lung tumours. Pimm MV. **Lancet** 2(7976):95–6, 10 Jul 76

[Local vaccination reactions and postvaccinal allergy in children intradermally vaccinated with BCG] Burenkova LF. **Probl Tuberk** (7):14–6, 1975 (Eng. Abstr.) **(Rus)**

[Clinical course of pulmonary tuberculosis in adolescents revaccinated with BCG by intradermal method] Kornetova NV. **Probl Tuberk** (7):26–30, 1975 (Eng. Abstr.) **(Rus)**

[Controlled epidemiological experiments for evaluating the protective action of intradermally administered BCG vaccine] Kheifets LB. **Vestn Akad Med Nauk SSSR** (4):11–22, 1975 **(Rus)**

[Comparison of tubercular allergy induced by 3 types of vaccine] Lins de Lima L, et al. **Bol Of Sanit Panam** 79(4):325–6, Oct 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Letter: BCG therapy and urticaria. Cheson BD. **Ann Intern Med** 83(5):738–9, Nov 75

Granulomatous hepatitis caused by B.C.G. injection during immunotherapy of a malignant melanoma. Serrou B, et al. **Biomedicine [Express]** 23(6):236–40, 30 Jun 75

Granuloma formation in patients receiving BCG immunotherapy. Whittaker JA, et al. **J Clin Pathol** 29(8):693–7, Aug 76

Epidemiological study of abnormal BCG scars among primary and high school pupils in Taiwan (China). Part 1. Incidence of abnormal BCG scars in relation to various background factors. Lin H, et al. **Kekkaku** 51(6k0):241–5, 15 Jun 76

Hazards and complications of BCG immunotherapy. Sparks FC. **Med Clin North Am** 60(3):499–509, May 76

Letter: Ascites in malignant melanoma after oral BCG immunotherapy. Nutting MG, et al. **N Engl J Med** 295(7):395, 12 Aug 76

[Proceedings: Granulomatous hepatitis due to BCG during immunotherapy for malignant melanoma] Serrou B, et al. **Arch Fr Mal App Dig** 64(3):289–8, Apr–May 75 **(Fre)**

[Incidence and clinical course of vaccination complications] Dietzsch H, et al. **Z Aerztl Fortbild (Jena)** 69(10):550–4, 15 May 75 **(Ger)**

HISTORY

BCG vaccine. Past, present, future. Crispen RG. **Ill Med J** 149(4):355–9, Apr 76

PHARMACODYNAMICS

Increased resistance to virus infections of mice inoculated with BCG (Bacillus calmette-guérin). Floc'h F, et al. **Ann Immunol (Paris)** 127(2):173–86, Mar–Apr 76

Effect of pretreatment with Bacillus Calmette-Guerin on the course of a Listeria monocytogenes infection in normal and congenitally athymic (nude) mice. Ruitenberg EJ, et al. **Br J Exp Pathol** 57(3):310–5, Jun 76

Macrophage activation and anti-tumor activity of biologic and synthetic agents. Morahan PS, et al. **Int J Cancer** 17(1):82–9, 15 Jan 76

The effect of BCG on extravascular mononuclear cell accumulation in vivo. Perper RJ, et al. **Int J Cancer**

17(5):670–7, 15 May 76

Mechanism of action of BCG vaccine on neoplastic proliferation and host immune responses. Hakim AA, et al. **J Pharm Sci** 65(3):339–43, Mar 76

Proceedings: Studies of the cellular immune response to BCG in mice and guinea pigs. Nilsson BS. **Tubercle** 56(2):170, Jun 75

[Influence of BCG on the production of antibody-forming cells in the primary and secondary immune response against sheep erythrocytes in the mouse] Gryschek G. **Acta Biol Med Ger** 34(1):155–61, 1975 (Eng. Abstr.) **(Ger)**

[Effect of APDT vaccine on postvaccinal tuberculin allergy] Rostomashvili SG. **Pediatriia** (1):68, Jan 76 **(Rus)**

[Changes in the anti-tumor resistance of the organism depending upon the period of nonspecific immunologic intervention] Volegov AI. **Vestn Akad Med Nauk SSSR** (12):52–7, 1975 **(Rus)**

[Inhibiting action of BCG vaccine on the postoperative metastases of transplantable mouse hepatoma] Kaledin VI, et al. **Vopr Onkol** 22(4):103–4, 1976 **(Rus)**

STANDARDS

Tuberculin sensitivity and skin lesions in children after vaccination with 11 different BCG strains. Vallishayee RS, et al. **Bull WHO** 51(5):489–94, 1974

Studies on the biological activity of the freeze-dried Bulgarian BCG vaccine in guinea pigs and humans. Chouchkova M, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):481–9, 1975

Comparative studies with Danish and Prague BCG strains inoculated into the cornea of the rabbits in repeated experiments. Struplová V, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):490–1, 1975

Results of the study of the W 115 M. tuberculosis vaccine strain and the lyophilized experimental vaccine W 115. Weiszfeiler JG. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(4):492–7, 1975

BCG revisited. Lattimore WC, et al. **J Med Soc NJ** 72(12):1047–9, Dec 75

Comparative trials of British BCG vaccine double strength, and Danish BCG vaccine, with standard strength British BCG vaccine. Galbraith NS, et al. **Tubercle** 55(4):283–9, Dec 74

[Report of clinical testing of BCG vaccine (Strain '1331 Copenhagen') for vaccination of newborns against tuberculosis (author's transl)] Nevermann L, et al. **Geburtshilfe Frauenheilkd** 36(6):481–4, Jun 76 (Eng. Abstr.) **(Ger)**

[Comparative immediate results after the use of several lyophilized BCG vaccines] Poeniță L, et al. **Rev Ig [Pneumoftiziol]** 24(4):221–6, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

THERAPEUTIC USE

Adjuvant chemoimmunotherapy in advanced lesions of the head and neck. Eilber FR, et al. **Am J Roentgenol** 126(5):1082–7, May 76

Immunotherapy of malignancies: current status. Eilber FR, et al. **Am J Roentgenol** 126(5):1088–93, May 76

BCG immunoprophylaxis of recurrent herpes progenitalis. Bierman SM. **Arch Dermatol** 112(10):1410–5, Oct 76

B.C.G. suppression of pulmonary metastases from primary rat hepatomata. Baldwin RW, et al. **Br J Cancer** 30(5):473–6, Nov 74

Effect of treatment with the MER tubercle bacilli fraction on the survival of mice carrying mammary tumour isografts: injections of MER at the tumour site or at a distal location. Cohen D, et al. **Br J Cancer** 32(4):483–90, Oct 75

Active immunotherapy as an adjunct to chemotherapy in the treatment of disseminated malignant melanoma: a pilot study. Currie GA, et al. **Br J Cancer** 31(2):143–56, Feb 75

Proceedings: BCG immunotherapy: its interest in association with radiotherapy in the treatment of Lewis tumour in mice. Dubois JB, et al. **Br J Cancer** 32(6):764, Dec 75

Methanol extraction residue of BCG in the treatment of transplanted rat tumours. Hopper DG, et al. **Br J Cancer** 31(2):176–81, Feb 75

Successful transurethral intralesional BCG therapy of a bladder melanoma. deKernion JB, et al. **Cancer** 36(5):1662–7, Nov 75

Efficacy of intralesional BCG therapy in guinea pigs with disseminated tumor. Hanna MG Jr, et al. **Cancer** 36(4):1298–304, Oct 75

Regression of pulmonary metastatic disease associated with intralesional BCG therapy of intracutaneous melanoma metastases. Mastrangelo MJ, et al. **Cancer** 36(4):1305–8, Oct 75

Adjuvant immunotherapy and chemoimmunotherapy in colorectal cancer of the Dukes' C classification. Preliminary clinical results. Mavligit GM, et al. **Cancer** 36(6 Suppl):2421–7, Dec 75

Combined immunotherapy in malignant melanoma. Regression of metastatic lesions in two patients concordant in timing with systemic administration of transfer factor and Bacillus Calmette-Guérin. Spitler LE, et al. **Cell Immunol** 21(1):1–19, Jan 76

E and EAC rosetting lymphocytes in patients with carcinoma of bronchus. II. A sequential study of thirty patients: effect of BCG. Anthony HM, et al. **Clin Exp Immunol** 20(1):41–54, Apr 75

Immune manipulation by BCG administered before or after cyclophosphamide for chemo-immunotherapy of L1210 leukaemia. Mathé G, et al. **Eur J Cancer** 10(10):661–6, Oct 74

Suppression of transplanted rat sarcomata mediated by Bacillus Calmette Guéin (BCG). Moore M, et al. **Eur J Cancer** 10(10):673–82, Oct 74

Effect of prophylactic and therapeutic administration of BCG vaccine on growth of experimental sarcoma. Símová J, et al. **Folia Biol (Praha)** 21(5):329–33, 1975

Schemes on the application of BCG to skin cancer. Hadžiev S, et al. **Folia Med (Plovdiv)** 16(5–6):297–302, 1974

Use of oral and intraperitoneal BCG in the treatment of malignant melanoma and adenocarcinoma. pp. 207–13. Falk RE, et al. **In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.**

Immunotherapy and vaccination against cancer with non-living BCG and cord factor (trehalose-6,6'-dimycolate). Bekierkunst A. **Int J Cancer** 16(3):442–7, 15 Sep 75

Therapeutic effect of intratumoral injection of bcg and other substances in rats and mice. Chassoux D, et al. **Int J Cancer** 16(4):515–25, 15 Oct 75

Intermittent chemotherapy and immunotherapy with BCG in remission maintenance of children with acute lymphocytic leukemia: effects upon immunological function. Ekert H, et al. **Int J Cancer** 16(1):103–12, 15 Jul 75

The effect of BCG on the course of experimental Chagas' disease in mice. Kuhn RE, et al. **Int J Parasitol** 5(5):557–60, Oct 75

Results of the treatment of human lung cancer with BCG and the BCG-fraction F70 in relation to the treatment scheme and the clinical stage of the disease. Hadziev S, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):36–42, 1976

Positive therapeutic response to BCG or to its soluble fraction F70 in some patients with carcinoma of the skin, of the breast or of the larynx. Hadžiev S, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):43–8, 1976

BCG immunotherapy in chronic myelocytic leukaemia. Kardaszewicz E, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):32–5, 1976

Results of treatment of acute leukaemias with BCG vaccine. Kardaszewicz E, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):20–4, 1976

Experimental studies on the protective effect of the M. bovis BCG against tumors in mice. Nedvědová V. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):14–6, 1976

Protective effects of M. microti vaccine against tuberculosis. Sula L, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):1–6, 1976

A new immunological phenomenon observed in BCG and vole-bacillus-revaccinated persons. Sula L. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):49–53, 1976

New immunological approaches to the application of BCG vaccine for the treatments of tumors (acute leukoses). Ter-Grigorov VS, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):25–31, 1976

BCG in cancer and leukemia treatment and prophylaxis-A review. Rosenthal SR. **J Med** 6(3–4):193–212, 1975

Suitability of rat mammary adenocarcinoma 13762 as a model for BCG immunotherapy. Kreider JW, et al. **J Natl Cancer Inst** 56(4):797–802, Apr 76

Inconsistent response of B16 melanoma to BCG immunotherapy. Kreider JW, et al. **J Natl Cancer Inst** 56(4):803–10, Apr 76

Transmission of BCG-associated tumor resistance from maternal to newborn guinea pigs. Minden P, et al. **J Natl Cancer Inst** 56(1):153–7, Jan 76

Tumor regression caused by endotoxins and mycobacterial fractions. Ribi EE, et al. **J Natl Cancer Inst** 55(5):1253–7, Nov 75

Regional immunotherapy with intrapleural BCG for lung cancer. McKneally MF, et al. **J Thorac Cardiovasc Surg** 72(3):333–8, Sep 76

Bacillus Calmette-Guerin in the treatment of adenocarcinoma of the kidney. Morales A, et al. **J Urol** 115(4):377–80, Apr 76

Late intensification therapy for acute leukemia in remission. Chemotherapy and immunotherapy. Bodey GP, et al. **JAMA** 235(10):1021–5, 8 Mar 76

Letter: Stimulation of K cells by immunotherapy. Campbell AC, et al. **Lancet** 1(7964):856–7, 17 Apr 76

Letter: Chemotherapy and B.C.G. in acute lymphocytic leukaemia. Ekert H, et al. **Lancet** 2(7937):713–4, 11 Oct 75

Letter: Immunotherapy for colorectal cancer. Hsu LY, et al. **Lancet** 1(7973):1349–50, 19 Jun 76

Letter: Immunotherapy for acute lymphoid leukemia. Mathe G, et al. **Lancet** 1(7951):143–4, 17 Jan 76

Prolongation of postoperative disease-free interval and survival in human colorectal cancer by B.C.G. or B.C.G. plus 5-fluorouracil. Mavligit GM, et al. **Lancet** 1(7965):871–6, 24 Apr 76

A 5-year controlled study of B.C.G. and radiotherapy inoperable lung cancer. Pines A. **Lancet** 1(7956):380–1, 21 Feb 76

Letter: B.C.G. in rheumatoid arthritis. Rewald E. **Lancet** 2(7883):785–6, 28 Sep 74

BCG immunotherapy as a systemic adjunct to surgery in malignant melanoma. Morton DL, et al. **Med Clin North Am** 60(3):431–9, May 76

Intralesional immunotherapy of melanoma with BCG. Rosenberg SA, et al. **Med Clin North Am** 60(3):419–30, May 76

MER and other mycobacterial fractions in the immunotherapy of cancer. Weiss DW. **Med Clin North Am** 60(3):473–97, May 76

Immunotherapy for malignant disease. **Med Lett Drugs Ther** 18(20):83–4, 24 Sep 76

Letter: Chemoimmunotherapy of malignant melanoma. **N Engl J Med** 292(3):159–60, 16 Jan 75

Letter: Chemoimmunotherapy of malignant melanoma. **N Engl J Med** 292(3):159–60, 16 Jan 75

Adjuvant immunotherapy with BCG in treatment of regional-lymph-node metastases from malignant melanoma. Eilber FR, et al. **N Engl J Med** 294(5):237–40, 29 Jan 76

Letter: Melanoma treatment--BCG as adjuvant. Stein RS. **N Engl J Med** 294(18):1011, 29 Apr 76

Attempt with immunotherapy to control metastatic skin nodules from breast cancer by B.C.G. Garas J, et al. **Panminerva Med** 17(5–6):193–5, May-Jun 75

Effect of intranodular B.C.G. in 22 melanoma patients. Israël L, et al. **Panminerva Med** 17(5–6):187–8, May-Jun 75

Complex radiation-chemotherapy of malignant lymphomas in combination with nonspecific BCG-immunostimulation. A preliminary report. Marinov L. **Panminerva Med** 18(5–6):162–6, May-Jun 76

Clinical results with immunochemotherapy in 40 cases of advanced tumour. Narcisi M. **Panminerva Med** 17(5–6):208–10, May-Jun 75

Local active immunotherapy for malignant melanoma. Serrou B, et al. **Panminerva Med** 17(5–6):182–6, May-Jun 75

Active immunotherapy with B.C.G. for melanoma. Thompson RB. **Panminerva Med** 17(5–6):189–92, May-Jun 75

BCG immunotherapy in chronic myelocytic leukemia. Kardaszewicz E, et al. **Pol Med Sci Hist Bull** 15(2):225–9, Apr-Jun 76

A pilot study on the effect of BCG vaccination in patients with bronchial carcinoma. Nilsson BS, et al. **Scand J Respir Dis** 56(2):84–6, Aug 75

Endolymphatic BCG therapy in the rabbit VX2 tumor. Edwards JM, et al. **Surg Forum** 26:147–9, 1975

Regional node stimulation improves survival in lung cancer. McKneally MF, et al. **Surg Forum** 26:164–5, 1975

Successful immunotherapy with BCG as an adjunct to surgical resection for murine fibrosarcoma. Sonis ST, et al. **Surg Forum** 26:133–5, 1975

Does isoniazid decrease the effect of BCG on local tumor growth? Sparks FC, et al. **Surg Forum** 26:162–4, 1975

Immunostimulation with intraperitoneally administered bacille Calmette Guérin for advanced malignant tumors of the gastrointestinal tract. Falk RE, et al. **Surg Gynecol Obstet** 142(3):363–8, Mar 76

Progress of immunotherapy in the treatment of malignant melanoma. Ariyan S. **Yale J Biol Med** 48(5):423–9, Nov 75 (19 ref.)

[Activity of 2,4 dinitrochlorbenzene skin tests during the course of immunotherapy of malignant melanomas] Richter J, et al. **Cas Lek Cesk** 114(39):1201–3, 26 Sep 75 (Eng. Abstr.) **(Cze)**

[First clinical trials of treatment of primary liver cancer with immunostimulating agents administered by systemic or intratumoral route] Tung TT, et al. **Chirurgie** 101(8):542–5, 11–25 Jun 75 (Eng. Abstr.) **(Fre)**

[BCG-treatment of malignant melanoma] Borberg H. **Internist (Berlin)** 16(10):482–5, Oct 75 **(Ger)**

[BCG, or immunotherapy of hope] Monti A. **Minerva Med** 66(68 Suppl):7–9, Oct 75 **(Ita)**

[Antitumor effect of bacterial preparations. 1. Effect of BCG on tumors of guinea pigs] Tokunaga T, et al. **Jpn J Bacteriol** 30(1):214, Jan 75 **(Jpn)**

[Kinetics of the indicators of nonspecific reactivity of patients with cervical cancer in the process of combined radiation treatment and immunologic prevention of its complications] Baraboĭ VA, et al. **Med Radiol (Mosk)** 21(1):27–35, Jan 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of tuberculosis in children and adolescents immunized with the BCG vaccine] Bugaeva MI, et al. **Probl Tuberk** (11):5–8, 1975 (Eng. Abstr.) **(Rus)**

TUBERCULOSTATIC AGENTS see **ANTITUBERCULAR AGENTS**

TUBEROUS SCLEROSIS

Neurocutaneous syndromes in children. Chalhub EG. **Pediatr Clin North Am** 23(3):499–516, Aug 76

[From the wild man... to Bourneville's disease] Scharbach H. **Ann Med Psychol (Paris)** 1(3):422–34, Mar 76 **(Fre)**

CLASSIFICATION

[General classification and limited nosology of the phacomatoses] Andre JM, et al. **J Genet Hum** 23 SUPPL:187–92, Oct 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Retinal lesions in tuberous sclerosis. Nyboer JH, et al. **Arch Ophthalmol** 94(8):1277–80, Aug 76

Renal angiomyolipoma in a case of tuberous sclerosis, an electron microscopy study. Sun CN, et al. **Beitr Pathol** 156(4):401–10, Dec 75

The kidney in tuberous sclerosis. Nickel WR, et al. **Birth Defects** 10(4):80–6, 1974

Renal cystic disease associated with tuberous sclerosis complex: renal failure treated by cadaveric kidney transplantation. Rosenberg JC, et al. **Clin Nephrol** 4(3):109–12, 1975

Renal angiomyolipoma. Bissada NK, et al. **South Med J** 69(2):205–8, Feb 76

Abdominal aortic aneurysm and renal hamartoma in an infant with tuberous sclerosis. Hagood CO Jr, et al. **Surgery** 79(6):713–5, Jun 76

Acanthosis nigricans associated with tuberous sclerosis. Scotvold MJ, et al. **West J Med** 125(1):70–72, Jul 76

[Bourneville's tuberous sclerosis with aortic bicuspid and kidney failure. Treatment by heart valve prosthesis and periodic hemodialysis] Kleinknecht D, et al. **Nouv Presse Med** 5(18):1196–8, 1 May 76 (20 ref.) **(Fre)**

[Chronic renal failure in bourneville–pringle's disease (author's transl)] Riemann JF, et al. **Med Klin** 70(26):1128–32, 27 Jun 75 (Eng. Abstr.) **(Ger)**

[Kidney hamartomas in tuberous sclerosis] Schöning K, et al. **Med Welt** 27(34):1580–1, 20 Aug 76 **(Ger)**

[Early detection of tuberous sclerosis and its relationship to childhood epilepsy] Máttyus A, et al. **Orv Hetil** 117(13):767–71, 28 Mar 76 **(Hun)**

[Case of tuberous sclerosis with bilateral renal angiomyolipoma] Domański Z, et al. **Wiad Lek** 29(6):533–6, 15 Mar 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Hamartoma of the spleen: a manfestation of tuberous sclerosis. Darden JW, et al. **Am Surg** 41(9):564–6, Sep 75

Letter: Infantile spasms and subsequent appearance of tuberous sclerosis syndrome. Pampiglione G, et al. **Lancet** 2(7943):1046, 22 Nov 75

The use of computerized transaxial tomography in the diagnosis of tuberous sclerosis. Gomez MR, et al. **Mayo Clin Proc** 50(9):553–6, Sep 75

[Tuberous sclerosis of Bourneville: value of the canal–like ungual depressions] Collard JJ, et al. **Arch Belg Dermatol** 30(4):289–90, Oct–Dec 74 (Eng. Abstr.) **(Fre)**

[Case of Bourneville's tuberous sclerosis] Roumagnou J, et al. **Bull Soc Ophtalmol Fr** 74(9–10):949–52, Sep–Oct 74 **(Fre)**

[The cutaneous symptoms of tuberous sclerosis] Jung EG. **J Genet Hum** 23 SUPPL:218–22, Oct 75 **(Fre)**

[A propos of 15 cases of phakomatoses] Toudic L, et al. **J Genet Hum** 23 SUPPL:235–7, Oct 75 **(Fre)**

[Letter: Significance of achromic spots in the infant] Debard A, et al. **Nouv Presse Med** 4(33):2405, 11 Oct 75 **(Fre)**

[Tuberous sclerosis as cause of neuropathological symptoms allegedly due to smallpox vaccination (author's transl)] Schmidt GW. **Monatsschr Kinderheilkd** 123(9):664–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Clinical problems in tuberous sclerosis] Schwebke R. **Z Aerztl Fortbild (Jena)** 69(21):1110–3, 1 Nov 75 **(Ger)**

EMBRYOLOGY

[Phacomatoses––clinical aspects and pathogenesis] Rybakowa M. **Pediatr Pol** 51(7):867–71, 1976 **(Pol)**

FAMILIAL & GENETIC

Epiloia in twins: a problem in diagnosis and counselling. Primrose DA. **J Ment Defic Res** 19(3–4):195–203, Sep–Dec 75

[Difficulties in genetic counseling in phakomatosis] Francois J. **J Genet Hum** 23(1):17–27, Mar 75 **(Fre)**

[Genetic counseling in abortive forms of tuberous sclerosis] Rott HD, et al. **Munch Med Wochenschr** 117(43):1721–2, 24 Oct 75 **(Ger)**

[Various manifestations of Bourneville's disease (sclerosis tuberosa) in 2 generations] Wyszkowski J, et al. **Wiad Lek** 28(18):1583–8, 15 Sep 75 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immunological status in tuberous sclerosis. Galant SP, et al. **Dev Med Child Neurol** 18(4):503–11, Aug 76

PATHOLOGY

Cerebellular calcification in tuberous sclerosis. Schafer JA, et al. **Arch Neurol** 32(9):642–3, Sep 75

Phacomatoses: a clinical surgico pathological study. Aziz MA, et al. **Bull Ophthalmol Soc Egypt** 68:651–66, 1975

A tale of tuberous sclerosis. Fitzgibbons JF, et al. **Nebr Med J** 60(12):477–82, Dec 75

[Tuberosclerosis or Bourneville–Pringle's disease: review and presentation of three cases with pulmonary involvement (author's transl)] Dewispelaere B, et al. **Acta Tuberc Pneumol Belg** 65(6):601–26, Nov–Dec 74 (Eng. Abstr.) **(Dut)**

[Skeletal lesions in tuberousclerosis] Eickhoff U, et al. **Radiologe** 15(8):334–5, Aug 75 **(Ger)**

[Bourneville–Pringle Disease with Lung Involvement (author's transl)] Okutomi Z, et al. **Jpn J Thorac Dis** 13(1):45–9, Jan 75 (Eng. Abstr.) **(Jpn)**

[Pulmonary changes in tuberous sclerosis (author's transl)] Kaczyńska W, et al. **Pol Przegl Radiol** 40(3):221–3, May–Jun 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

The lungs in lymphangiomyomatosis and in tuberous sclerosis. Stovin PG, et al. **Thorax** 30(5):497–509, Oct 75

RADIOGRAPHY

The abdominal angiographic spectrum of tuberous sclerosis. Compton WR, et al. **Am J Roentgenol** 126(4):807–13, Apr 76

Tuberous sclerosis: emphasis on the angiographic findings. Sood S, et al. **J Urol** 114(2):185–9, Aug 75

Computer–assisted cranial tomography in early diagnosis of tuberous sclerosis. Martin GI, et al. **JAMA** 235(21):2323–4, 24 May 76

Letter: CT scans and tuberous sclerosis. Murphy JV, et al. **JAMA** 236(10):1115, 6 Sep 76

Letter: Computer–assisted tomogrpay and tuberous sclerosis. Martin GI. **Lancet** 1(7951):147, 17 Jan 76

Tuberous sclerosis. Medley BE, et al. **Semin Roentgenol** 11(1):35–54, Jan 76 (83 ref.)

[Radiologic aspects of phakomatosis] Reygaerts F, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:651, 1975 **(Fre)**

[Letter: Diagnosis of Bourneville's disease using computer–controlled cerebral tomography] Gastaut H, et al. **Nouv Presse Med** 5(13):864, 27 Mar 76 **(Fre)**

TUBOCURARINE

X–ray structure of the curare alkaloid (+)–tubocurarine dibromide. Reynolds CD, et al. **Biochim Biophys Acta** 404(2):341–4, 9 Oct 75

Pancuronium as muscle relaxant in renal transplantations: comparison with tubocurarine. pp. 403–5. Ibler M. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

[Clinical observations of curarine use in uremic patients] Ozanian V. **Khirurgiia (Sofiia)** 27(4):312–4, 1974 (Eng. Abstr.) **(Bul)**

ADMINISTRATION & DOSAGE

Re–evaluation of dosage and duration of action of d–tubocurarine in the pediatric age group. Goudsouzian NG, et al. **Anesthesiology** 43(4):416–25, Oct 75

Letter: Muscle relaxant requirements in patients with von Recklinghausen's disease. Yamashita M, et al. **Br J Anaesth** 47(9):1032, Sep 75

ANALOGS & DERIVATIVES

Placental transfer of 14C–dimethyltubocurarine during Caesarean section. Kivalo I, et al. **Br J Anaesth** 48(3):239–42, Mar 76

Proceedings: Neuromuscular and cardiovascular studies with dimethyl tubocurarine in anaesthetized cats, rhesus monkeys and man. Chapple DJ, et al. **Br J Pharmacol** 56(3):354P–355P, Mar 76

Hepatic uptake and biliary excretion of d–tubocurarine and trimethyltubocurarine in the rat in vivo and in isolated perfused rat livers. Meijer DK, et al. **J Pharmacol Exp Ther** 198(1):229–39, Jul 76

Binding of d–tubocurarine di (methyl–14C) ether iodide and other amines to cartilage, chondroitin sulfate and human plasma proteins. Olsen GD, et al. **J Pharmacol Exp Ther** 195(2):242–50, Nov 75

ANALYSIS

On the localisation of d–tubocurarine in rat liver lysosomes in vivo by electron microscopy and subcellular fractionation. Weitering JG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(3):251–6, 17 Jul 75

ANTAGONISTS & INHIBITORS

Effects of divided doses of neostigmine on the dynamics of decurarization. Potocki B, et al. **Anaesth Resusc Intensive Ther** 3(3):238–45, Jul–Sep 75

Renal failure and postoperative respiratory failure: recurarization? Miller RD, et al. **Br J Anaesth** 48(3):253–6, Mar 76

The skeletal muscle response to edrophonium during neuromuscular blockade by tubocurarine in anaesthetized man. Sugai N, et al. **Br J Anaesth** 47(10):1087–92, Oct 75

Failure of autonomic and central nervous system blocking agents to antagonize the gross behavioural effects of tubocurarine injected intraventricularly in conscious cats. Beleslin DB, et al. **J Pharm Pharmacol** 28(6):519, Jun 76

Effect of prednisolone on neuromuscular blocking in mice in vivo. Arts WF, et al. **Neurology (Minneap)** 25(11):1088–90, Nov 75

[Experimental and clinical studies on pyridostigmine as an antagonist of non–depolarizing blocking agents] Nakao H, et al. **Jpn J Anesthesiol** 25(2):136–42, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

BLOOD

Letter: Serum d–tubocurarine concentration and twitch height. Waud BE. **Anesthesiology** 43(3):381, Sep 75

METABOLISM

Early and late relative potencies of pancuronium and d–tubocurarine in man. Miller RD, et al. **Anesthesiology** 44(4):297–300, Apr 76

Cholinergic sites in skeletal muscle. II. Interaction of an agonist and two antagonists with the acetylcholine site. Almon RR, et al. **Biochemistry** 15(17):3667–71, 24 AUG 76

Binding of tubocurarine to specific serum protein fractions. Ghoneim MM, et al. **Br J Anaesth** 47(8):853–6, Aug 75

Hepatic uptake and biliary excretion of d–tubocurarine and trimethyltubocurarine in the rat in vivo and in isolated perfused rat livers. Meijer DK, et al. **J Pharmacol Exp Ther** 198(1):229–39, Jul 76

PHARMACODYNAMICS

In vitro measurement of margin of safety of neuromuscular transmission. Waud DR, et al. **Am J Physiol** 229(6):1632–4, Dec 75

Comparative electrophysiology and pharmacology of mammalian (including one marsupial) intercostal muscle biopsy preparations. Bowen JM. **Am J Vet Res** 36(11):1619–22, Nov 75

Effect of diazepam on neuromuscular transmission and its interaction with non–depolarizing muscle relaxants. Jain PD, et al. **Anaesth Intensive Care** 4(2):122–5, May 76

Circulatory changes during anesthetic induction: impact of d–tubocurarine pretreatment, thiamylal, succinylcholine, laryngoscopy, and tracheal lidocaine. Stoelting RK, et al. **Anesth Analg (Cleve)** 55(1):77–81, Jan–Feb 76

Influence of pancuronium or d–tubocurarine on circulatory responses during thiamylal–N2O–halothane anesthesia. Stoelting RK. **Anesth Analg (Cleve)** 55(4):485–8, Jul–Aug 76

The interaction between d–tubocurarine, pancuronium, polymyxin B, and neostigmine on neuromuscular function. Van Nyhuis LS, et al. **Anesth Analg (Cleve)** 55(2):224–8, Mar–Apr 76

Letter: Dose, potency, and square root of time. Feingold A. **Anesthesiology** 45(3):370–1, Sep 76

Partial paralysis with d–tubocurarine and the ventilatory response to CO2: An example of respiratory sparing? Gal TJ, et al. **Anesthesiology** 45(1):22–8, Jul 76

Duration of halothane anesthesia and neuromuscular blockade with d–tubocurarine. Miller RD, et al. **Anesthesiology** 44(3):206–10, Mar 76

The inhibition by D–tubocurarine of horse serum cholinesterase–catalyzed hydrolysis of butyrylcholine and benzoylcholine. Kamarić LM. **Biochem Pharmacol** 24(18):1663–4, 15 Sep 75

Inhibition of suxamethonium relaxation by tubocurarine and gallamine pretreatment during induction of anaesthesia in man. Pauca AL, et al. **Br J Anaesth** 47(10):1067–73, Oct 75

The interaction of tubocurarine and suxamethonium at different stages of recovery from tubocurarine–induced neuromuscular blockade in anaesthetized man. Sugai N, et al. **Br J Anaesth** 47(10):1061–6, Oct 75

Sequential changes in the fade of tetanic tension after the administration of tubocurarine in anaesthetized man. Sugai N, et al. **Br J Anaesth** 48(6):535–9, Jun 76

Changes in plasma potassium and calcium levels and in the electrocardiogram after a single dose of succinylcholine preceded by d–tubocurarine. Evers W, et al. **Can Anaesth Soc J** 23(4):383–94, Jul 76

Some characteristics of neuromuscular block in the respiratory musculature in anaesthetized man. Lee C. **Can Anaesth Soc J** 23(2):125–34, Mar 76

Comparative effects of (+)– and (–)–isomers of propranolol and INPEA on (+)–tubocurarine– and succinylcholine–induced neuromuscular blockade. Khetarpal VK, et al. **Eur J Pharmacol** 33(2):325–35, Sep–Oct 75

Regional curare for the reduction of the safety factor in human motor end–plates studied with single fibre electromyography. Schiller HH, et al. **J Neurol Neurosurg Psychiatry** 38(8):805–9, Aug 75

The effect of temperature on a d–tubocurarine neuromuscular blockade and its antagonism by neostigmine. Miller RD, et al. **J Pharmacol Exp Ther** 195(2):237–41, Nov 75

Ketamine as an induction agent and an adjunct to nitrous oxide–oxygen curare anaesthesia sequence. El–Naggar M, et al. **Mid East J Anaesthesiol** 4(4):14–27, Feb 75

Effects of edrophonium, eserine, decamethonium, d–tubocurarine, and gallamine on the kinetics of membrane–bound and solubilized eel acetylcholinesterase. Robaire B, et al. **Mol Pharmacol** 11(6):722–34, Nov 75

The effect of artificial ventilation on cardiovascular status and on heart rate conditioning in the curarized rat. Middaugh S, et al. **Psychophysiology** 12(5):520–6, Sep 75

Proceedings: Antagonism of the trypanocide–berenil and the nematocide, morantel, by tubocurarine. Bamgbose SO. **West Afr J Pharmacol Drug Res** 2(1):56P, Dec 74

[Effect of tubocurarin on the contractility of the frog heart in vitro. Relationship between tubocurarin and the effect of acetylcholine (author's transl)] Slavíček J, et al.

Sb Lek 77(10):289–93, Oct 75 (Eng. Abstr.) **(Cze)**
[Effect of curarization on sensitivity of chicken latissimus dorsi to electric current] Cambier E.
Arch Int Physiol Biochim 84(1):69–79, Feb 76 **(Fre)**
[Frequency of stimulation in evaluation of the degree of curarization] Iarosh SI. **Eksp Khir Anesteziol** (1):74–6, 1976 (Eng. Abstr.) **(Rus)**
[Elektromyographic characteristics of neuromuscular blocks evoked by tubocurarine and lysthenon] Iarosh SI.
Fiziol Zh 20(5):705–7, Sep–Oct 74 **(Ukr)**

THERAPEUTIC USE

Proceedings: Neuromuscular blocking drugs in porcine malignant hyperthermia. Hall GM, et al. **Br J Anaesth** 48(3):270–1, Mar 76

TUBULIN see under **GLYCOPROTEINS**

TUFTSIN see under **IMMUNOGLOBULINS, FD**

TULAREMIA

Pathogenesis and pathology of respiratory tularaemia in the rabbit. Baskerville A, et al. **Br J Exp Pathol** 57(3):339–47, Jun 76
[Tularemia] Ohara K. **J Jpn Assoc Infect Dis** 50(3):71–2, Mar 76 **(Jpn)**

DIAGNOSIS

Imported tularaemia. Wood JB, et al. **Br Med J** 1(6013):811–12, 3 Apr 76
[On ten cases of tularemia (author's transl)] Babić K, et al. **Lijec Vjesn** 98(1):24–6, Jan 76 (Eng. Abstr.) **(Cro)**
[Clinical manifestations of recurrent tularemia in man] Jeżyna C, et al. **Pol Tyg Lek** 31(24):1027–9, 14 Jun 76 (Eng. Abstr.) **(Pol)**
[Results of a study of the diagnostic qualities of brucellosis and tularemic antigenic erythrocytic diagnostica] Tsybin BP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):83–8, Sep 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Murine model for study of cell-mediated immunity: protection against death from fully virulent Francisella tularensis infection. Eigelsbach HT, et al. **Infect Immun** 12(5):999–1005, Nov 75
[Phagocytic activity of the neutrophils in tularemia in animals with varying infective sensitivity] Dunaeva TN, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):22–6, Oct 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Induced metabolic sequelae of tularemia in the rat: correlation with tissue damage. Powanda MC, et al.
Am J Physiol 229(2):479–83, Aug 75
Protein synthesis in zinc deficient rats during tularemia. Pekarek RS, et al. **J Nutr** 106(7):905–12, Jul 76
The effect of bacterial infections on ketone concentrations in rat liver and blood and on free fatty acid concentrations in rat blood. Neufeld HA, et al. **Metabolism** 25(8):877–84, Aug 76
Effect of acute infection and endotoxemia on zinc absorption in the rat. Pekarek RS, et al. **Proc Soc Exp Biol Med** 150(3):755–8, Dec 75

MICROBIOLOGY

[An experimental study of mixed tularemia and Omsk hemorrhagic fever infection in muskrats] Dunaev NG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):108–12, Jul 75 (Eng. Abstr.) **(Rus)**
[Use of the immunofluorescence method to detect the causative agent of tularemia in developing chick embryos] Kudelina RI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):18–22, Oct 75 (Eng. Abstr.) **(Rus)**
[Detection of the causative agent of tularemia in the organs of animals in the early stages of development of the infection] Olsuf'ev NG, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):13–7, Oct 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

One-half century of tularemia in Florida. Hoff GL, et al.
J Fla Med Assoc 62(9):35–7, Sep 75
[Incidence of tularemia in a modernized high-capacity sugar refinery] Černý Z, et al. **Cas Lek Cesk** 114(44):1368–73, 31 Oct 75 (Eng. Abstr.) **(Cze)**
[Tularemia infection rate and evaluation of the risk of the infection being contracted by workers of sugar-refineries processing surag-beet from areas of its endemic incidence (author's transl)] Černý Z.
Cesk Epidemiol Mikrobiol Imunol 25(1):39–49, Jan 76 (Eng. Abstr.) **(Cze)**
[Natural foci of tularemia in the Arkhangel' region] Sosnitskiĭ VI. **Tr Leningr Inst Epidemiol Mikrobiol** 41:149–61, 1973 **(Rus)**
[Preservation of the causative agent of tularemia in the external environment in eastern Taimyr] Algazin IP, et al.
Zh Mikrobiol Epidemiol Immunobiol (2):73–5, Feb 76 (Eng. Abstr.) **(Rus)**
[Determination of natural foci of tularemia in the Tuva ASSR] Antsiferov MI, et al.
Zh Mikrobiol Epidemiol Immunobiol (2):75–8, Feb 76 (Eng. Abstr.) **(Rus)**
[Discovery of tularemia epizootics by way of detecting the tularemia microbe antigen in the droppings of predatory birds] Azarysev AN, et al.
Zh Mikrobiol Epidemiol Immunobiol (10):125–6, Oct 75 **(Rus)**
[Water epidemic of tularemia in co-operative farm Janík members in the Košice-country district (author's transl)] Mittermayer T, et al. **Cas Lek Cesk** 115(12):354–7, 26 Mar 76 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

[Example of evaluating the effect of melioration on the sanitation of a natural focus of tularemic infection] Adamovich VL. **Zh Mikrobiol Epidemiol Immunobiol** (5):134–5, May 75 **(Rus)**
Vaccination against tularemia by means of the 'Pchelka' jet injector] Uglovoi GP, et al.
Zh Mikrobiol Epidemiol Immunobiol (12):122–3, Dec 75 **(Rus)**

TRANSMISSION

Tickborne oculoglandular tularemia: case report and review of seasonal and vectorial associations in 106 cases. Guerrant RL, et al. **Arch Intern Med** 136(7):811–3, Jul 76
Tularemia in Florida: Sylvilagus palustris as a source of human infection. Hoff GL, et al. **J Wildl Dis** 11(4):560–1, Oct 75

VETERINARY

Pathogenesis of tularemia in immune and nonimmune rats. Moe JB, et al. **Am J Vet Res** 36(10):1505–10, Oct 75
Tularemia in Florida: Sylvilagus palustris as a source of human infection. Hoff GL, et al. **J Wildl Dis** 11(4):560–1, Oct 75
[Rabbit plague or tularemia in Finland] Visakorpi R, et al.
Duodecim 92(3):108–16, 1976 (Eng. Abstr.) **(Fin)**

TUMOR ANTIBODIES see **ANTIBODIES, NEOPLASM**

TUMOR ANTIGENS see **ANTIGENS, NEOPLASM**

TUMOR VIRUS INFECTIONS

Epstein-Barr virus and nonhuman primates: natural and experimental infection. Frank A, et al. **Adv Cancer Res** 23:171–201, 1976 (81 ref.)
Generation of cytotoxic lymphocytes in vitro: response of immune rat spleen cells to a syngeneic gross virus-induced lymphoma in mixed lymphocyte-tumor culture. Bernstein ID, et al. **J Immunol** 116(5):1367–72, May 76
Cell-mediated immunity to friend virus-induced leukemia. IV. In vitro generation of primary and secondary cell-mediated cytotoxic responses. Ting CC, et al.
J Immunol 116(5):1419–25, May 76

COMPLICATIONS

Oncornavirus infection and 'auto' immune complex disease of mice. pp. 49–55. Dixon F, et al.
In: Brent L, Holborow J, ed. Progress in immunology II. Vol 5: Clinical aspects II. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.5.
Hemolytic anemia induced by murine erythroblastosis virus: possible mechanisms of hemolysis and effects of an interferon inducer. Slamon DJ. **J Natl Cancer Inst** 55(2):329–38, Aug 75

ETIOLOGY

An assessment of the generation times of neuronal precursors in the sensory retina and subventricular zone of the newborn rat. Freddo TF, et al. **Can J Ophthalmol** 11(3):223–8, Jul 76
Effect of dietary selenium on tumor induction by an oncogenic virus. Exon JH, et al. **Clin Toxicol** 9(2):273–9, 1976

FAMILIAL & GENETIC

Genetic susceptibility of chicken times quail hybrid embryos to avian RNA tumour viruses. Pani PK. **J Gen Virol** 28(1):159–63, Jul 75
Effects of Rauscher leukemia virus infection on BALB/c mouse embryos. Umar MH, et al. **J Natl Cancer Inst** 56(2):375–80, Feb 76

IMMUNOLOGY

Autoaggressive reactions and leukemia virus infections: interrelated events in their pathogenesis. Hirsch MS, et al.
Bibl Haematol (40):319–27, 1975
Natural immunity in the oncornavirus-infected mouse. Blair PB. **Cancer Res** 36(2 pt 2):734–8, Feb 76
Correction of a murine mammary tumor virus-associated immunological depression by selective immunosuppression with cytosine arabinoside. Griswold DE, et al.
Cancer Res 35(10):2670–3, Oct 75
Effect of endogenous and exogenous murine leukemia virus infection on immunologic response. Collavo D, et al.
Eur J Cancer 11(6):443–9, Jun 75
Immunopathologic consequences of murine oncornavirus infection. pp. 131–6. Dixon FJ, et al.
In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8. (27 ref.)
Effects of leukemia viruses on cell-mediated immune responses. pp. 165–73. Ceglowski WS, et al.
In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.
Cell-mediated immunity in murine virus tumor systems. pp. 147–64. Herberman RB, et al.
In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.
Characteristics of immunity induced by neuraminidase-treated lymphosarcoma cells in C3H (MTV+) and C3H (MTV-) mice. Bekesi JG, et al.
Isr J Med Sci 12(4–5):288–303, Apr–May 76
Immunity to C-type RNA viruses: antibody formation after natural or deliberate infection. Schwartz RS, et al.
J Immunol 116(3):657–60, Mar 76
Immunosuppression by Moloney leukemia virus: lack of correlation between virus replication and the immunosuppressive effect. Cerny J, et al.
J Natl Cancer Inst 56(4):819–22, Apr 76
An ether-sensitive antigen associated with bovine leukemia virus infection. Onuma M, et al. **J Natl Cancer Inst** 55(5):1155–8, Nov 75

OCCURRENCE

The epidemiology of feline leukemia virus infection. Jarrett WF. **Bibl Haematol** (43):209–11, Oct 75

PREVENTION & CONTROL

Immunization against feline oncarnavirus disease using a killed tumor cell vaccine. Olsen RG, et al. **Cancer Res** 36(10):3642–6, Oct 76

THERAPY

Selective use of antiviral inhibitors: interferon, its inducers, and blockade of viral-reverse transcriptase. pp. 131–5. Carter WA, et al.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.

TRANSMISSION

Infectious spread and control of feline leukemia virus. pp. 127–9. Hardy WD Jr, et al.
In: Murphy GP, ed. Cancer and transplantation. New York, Grune & Stratton, 1975. W3 IN916K 1974c.
Ecotropic leukemia viruses in congenic C57BL mice: natural dissemination by milk-borne infection. Melief CJ, et al.
J Natl Cancer Inst 55(3):691–8, Sep 75

TUMOR VIRUSES see **ONCOGENIC VIRUSES**

TUMORS see **NEOPLASMS**

TUNA see under **FISHES**

TUNGSTEN

Control of cobalt exposures during wet process tungsten carbide grinding. Lichtenstein ME, et al.
Am Ind Hyg Assoc J 36(12):879–85, Dec 75
Film and xeroradiographic images in mammography. A comparison of tungsten and molybdenum anode materials. Evans AL, et al. **Br J Radiol** 48(576):968–72, Dec 75
Metal implants as models of epilepsy. pp. 163–73. Emson PC.
In: Bradford HF, Marsden CD, ed. Biochemistry and neurology. London, Academic Press, 1976. WL 100 B614 1975. (35 ref.)
The structure of the heteropolytungstate (NH4)17Na NaW21Sb9O86-14H2O. An inorganic crypate. Fischer J, et al. **J Am Chem Soc** 98(10):3050–2, 12 May 76
Kinetics and mechanism of molybdate and tungstate complex formation with catechol derivatives. Gilbert K, et al.
J Am Chem Soc 98(18):5502–12, 1 Sep 76
A tungsten electrode insulated by a concentric arrangement of glass-pipettes for iontophoresis. Sonnhof U, et al.
Pfluegers Arch 360(1):45–8, 16 Oct 75

PHARMACODYNAMICS

Studies on the mechanism of action of ammonium-5-tungsto-2-antimoniate (HPA 23). Raybaud N, et al. **Bibl Haematol** (43):504–7, Oct 75

THERAPEUTIC USE

Effect of ammonium 5-tungsto-2-antimoniate on encephalomyocarditis and vesicular stomatitis virus infections in mice. Werner GH, et al. **J Gen Virol** 31(1):59–64, Apr 76

TUNICATA see **UROCHORDATA**

TURBELLARIA

The effects of starvation on the planarian worm Polycelis tenuis Iijima. Bowen ED, et al. **Cell Tissue Res** 169(2):193–209, 14 Jun 76

ANALYSIS

The distribution of oxidizable mucosubstances and polysaccharides in the planarian Polycelis tenuis Iijima. Bowen ID, et al. **Cell Tissue Res** 161(2):263–75, 18 Aug 75

ANATOMY & HISTOLOGY

[Ultrastructural data on some functional aspects of the copulatory pouch of Dugesia lugubris s.l] Vagnetti D, et al. **Boll Soc Ital Biol Sper** 51(9–10):582–7, 30 May 75 **(Ita)**

CLASSIFICATION

Fresh-water triclads (Turbellaria) of North America. VII. The genus Macrocotyla. Kenk R.
Trans Am Microsc Soc 94(3):324–39, Jul 75

DRUG EFFECTS

[Some ultrastructural observations on the pharynx of specimens of Dugesia lugubris s. l. treated with colcemid] Farnesi RM. **Boll Soc Ital Biol Sper** 51(18):1177–83, 30 Sep 75 **(Ita)**

EMBRYOLOGY

Reappearance of embryonal antigens in planarian regenerates. Guimarães JP, et al. **Rev Bras Pesqui Med Biol** 8(3–4):255–9, May–Aug 75

ENZYMOLOGY

The adenylate cyclase system in a freshwater planarian (Polycelis tenius Iijima). Franquinet R, et al.
Comp Biochem Physiol [B] 53(3):329–33, 1976

Use of the p-nitrophenyl phosphate method for the demonstration of acid phosphatase during starvation and cell autolysis in the planarian Polycelis tenuis Iijima. Bowen ID, et al. **Histochem J** 8(3):319–29, May 76

[Acid phosphatase activity during digestion in the anintestinal turbellaria Convoluta convoluta] Markosova TG.
Zh Evol Biokhim Fiziol 12(2):183–4, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Acetylcholinesterase activity in the nervous system of some Triclades (Planaria)] Tiras KP, et al.
Zh Evol Biokhim Fiziol 11(4):427–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Reappearance of embryonal antigens in planarian regenerates. Guimarães JP, et al. **Rev Bras Pesqui Med Biol** 8(3–4):255–9, May–Aug 75

METABOLISM

Symbiosis in Convoluta roscoffenis. Holligan PM, et al.
Symp Soc Exp Biol (29):205–27, 1975 (65 ref.)

[Demonstration of 2 phases in RNA synthesis during regeneration of planarian (Polycelis tenuis–nigra)] Martelly I, et al. **C R Acad Sci [D] (Paris)** 282(20):1805–8, 24 May 76 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

[Identity of Lithocystis parguerae I. Jones 1971, Gregarine parasite of Sipunculide, with Filipodium ozakii Hukui 1939] Théodoridès J. **Ann Parasitol Hum Comp** 50(1):141, Jan–Feb 75 **(Fre)**

PHYSIOLOGY

Chemo–klino–kinesis in planarian food location. Mason PR.
Anim Behav 23(2):460–9, May 75

Primitive nervous systems. Control and recovery of feeding behavior in the polyclad flatworm, Notoplana acticola. Koopowitz H, et al. **Biol Bull** 150(3):411–25, Jun 76

A persistent monthly variation in responses of planarians to light, and its annual modulation. Brown FA Jr, et al.
Int J Chronobiol 3(1):57–62, 1975

Cephalic mechanism for social control of fissioning in planarians: III. Central nervous system centers of facilitation and inhibition. Best JB, et al.
J Comp Physiol Psychol 89(8):923–32, Oct 75

Studies on the role of neurosecretion in the induction of sexuality in a planarian agamic strain. Grasso M, et al.
J Ultrastruct Res 52(3):404–8, Sep 75

Histogenesis and morphogenesis in planarian regeneration. Chandebois R. **Monogr Dev Biol** 11:1–182, 1976 (352 ref.)

Symptoms and causation of the planarian disease related to cancer. Chandebois R. **Oncology** 32(2):86–100, 1975

[Histological and cytological study of neoblasts and fixed parenchymal cells in Dendrocoelum lacteum planarians deprived of their anterior region] Stéphan–Dubois F, et al. **Arch Anat Microsc Morphol Exp** 64(1):75–89, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Action of broken fractions of regeneration blastema on the synthetic activity of posterior fragments or Dendrocelum lacteum cut behind the pharynx] Sauzin–Monnot MJ.
C R Acad Sci [D] (Paris) 282(21):1885–8, 31 May 76 (Eng. Abstr.) **(Fre)**

[Preliminary findings on some effects of a punctiform magnetic field on regeneration in Dugesia lugubris] Tei S. **Boll Soc Ital Biol Sper** 51(6):324–8, 30 Mar 75 **(Ita)**

[Morphodynamics of the nervous system in the regenerative processes of Convoluta convoluta (Turbellaria, Acoela)] Boguta KK. **Arkh Anat Gistol Embriol** 70(3):98–103, Mar 76 (Eng. Abstr.) **(Rus)**

[Some regulatory mechanisms of asexual reproduction in planaria] Sakharova NIu, et al. **Ontogenez** 6(6):579–84, 1975 (Eng. Abstr.) **(Rus)**

[DNA reproduction in the organism of planarians in post–injury recovery] Perekalin DV. **Tsitologiia** 17(9):1084–6, Sep 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of brain and neurosecretory cells in Catenulida (Turbellaria). Moraczewski J, et al.
Ann Med Sect Pol Acad Sci 20(2):101–3, 1975

Ultrastructure of epithelium in some Catenulida. Sołtyńska MS, et al. **Ann Med Sect Pol Acad Sci** 20(2):121–2, 1975

The ultrastructure of the aflagellate spermatozoon of the freshwater turbellarian Hydrolimax grisea (Platyhelminthes: Plagiostomidae). Newton WD.
Biol Bull 149(3):551–67, Dec 75

Fine structural observations on the protonephridium of the terrestrial triclad Geoplana pasipha. Silveira M, et al.
Cell Tissue Res 168(4):455–63, 26 May 76

[Preparation methods for the light microscopy of the basal membrane in Geoplana carinata Riester (Turbellaria, Tricladida) (author's transl)] Mombrum De Carvalho I, et al. **Mikroskopie** 31(11–12):323–32, Feb 76 (Eng. Abstr.) **(Ger)**

[Electron microscopic observations on the relations between neurosecretion and the cement gland in Dugesia lugubris s.l] Farnesi RM, et al. **Boll Soc Ital Biol Sper** 51(6):329–34, 30 Mar 75 **(Ita)**

TURBIDIMETRY see under **PHOTOMETRY**

TURBINATES

BLOOD SUPPLY

Human nasal blood vessels after permanent tracheostomy. Electron–microscopic study. Toppozada HH, et al.
ORL 38(1):35–44, 1976

METABOLISM

[Resorption of depot cortisone after its submucosal injection in the nasal concha] D'Hont G.
Acta Otorhinolaryngol Belg 29(3):481–86, 1975 (Eng. Abstr.) **(Fre)**

SURGERY

Submucosal diathermy of inferior turbinates. Devgan BK, et al. **Eye Ear Nose Throat Mon** 55(5):156–8, May 76

Surgery of the turbinate bones and the piriform crest. Legler U. **Rhinology** 14(2):65–71, Jun 76

TURKEYS

Detection of Mycoplasma meleagridis infection of turkeys in Hungary. Stipkovits L, et al.
Acta Vet Acad Sci Hung 25(2–3):217–22, 1975

Animal model of human disease. Alpha–antitrypsin deficiecy. Animal model: Round heart disease of turkeys. Neumann F, et al. **Am J Pathol** 84(2):427–30, Aug 76

Indirect fluorescent antibody test for the diagnosis of coronaviral enteritis of turkeys (bluecomb). Patel BL, et al. **Am J Vet Res** 37(9):1111–2, Sep 76

Comparative study of Mycoplasma pulmonis and Mycoplasma gallisepticum infections in turkey sinus. Sanger VL. **Am J Vet Res** 36(9):1401–2, Sep 75

Pathology of velogenic Newcastle Disease virus infection in turkeys. Al–Sheikhly FA, et al. **Avian Dis** 19(3):397–407, Jul–Sep 75

Efficacy of monensin against turkey coccidiosis in laboratory and floor–pen experiments. Anderson WI, et al.
Avian Dis 20(2):387–94, Apr–Jun 76

Adenovirus respiratory infection in turkey poults. Blalock HG, et al. **Avian Dis** 19(4):707–16, Oct–Dec 75

Effect of furazolidone on heart weights and myocardial moisture content in turkey poults. Czarnecki CM, et al. **Avian Dis** 19(3):622–5, Jul–Sep 75

Blood glucose and tissue glycogen levels in turkey poults with spontaneous round heart disease and furazolidone–induced cardiomyopathy. Czarnecki CM, et al. **Avian Dis** 19(4):773–80, Oct–Dec 75

The susceptibility of young chickens, ducks, and turkeys to the photosensitizing effect of Ammi visnaga seeds. Egyed MN, et al. **Avian Dis** 19(4):830–3, Oct–Dec 75

Spleen lesions of hemorrhagic enteritis of turkeys. Gross WB, et al. **Avian Dis** 20(3):455–66, Jul–Sep 76

Turkey meningo–encephalitis: a general review. Ianconescu M. **Avian Dis** 20(1):135–8, Jan–Mar 76 (8 ref.)

Differential response in cardiomyopathy of chicks and turkeys to furazolidone toxicity. Jensen LS, et al.
Avian Dis 19(3):596–602, Jul–Sep 75

Transmission of Histomonas meleagridis to domestic fowl by means of earthworms recovered from pheasant yard soil. Kemp RL, et al. **Avian Dis** 19(4):741–4, Oct–Dec 75

Injecting antibiotics into turkey hatching eggs to eliminate Mycoplasma meleagridis infection. McCapes RH, et al.
Avian Dis 19(3):506–14, Jul–Sep 75

Isolation and identification of a turkey respiratory adenovirus. Simmons DG, et al. **Avian Dis** 20(1):65–74, Jan–Mar 76

Cooperative state–federal turkey ornithosis task force, Texas, 1974. Walker JW, et al. **Avian Dis** 20(2):355–60, Apr–Jun 76

Focal hepatic necrosis in turkeys with hemorrhagic enteritis. Wilcock BP, et al. **Avian Dis** 20(1):205–8, Jan–Mar 76

Purification of turkey gonadotropins. Farmer SW, et al.
Biol Reprod 12(3):415–22, Apr 75

A Salmonella california contamination of a turkey feed concentrate. Hugh–Jones ME, et al. **Br Vet J** 131(6):673–80, Nov–Dec 75

An outbreak of avian encephalomyelitis in turkeys in Canada. Ide PR. **Can J Comp Med** 39(4):469–71, Oct 75

Histopathology of hereditary muscular dystrophy of the domestic turkey (Meleagris gallopavo). Schmitz JA, et al.
Can J Comp Med 39(4):389–96, Oct 75

The occurrence of Paramyxovirus yucaipa in Canadian poultry. Lang G, et al. **Can Vet J** 16(8):233–7, Aug 75

Syngamus trachea: infections produced by parenteral inoculations. Winward LD, et al. **Exp Parasitol** 40(1):77–9, Aug 76

Human psittacosis associated with commercial processing of turkeys. Durfee PT, et al. **J Am Vet Med Assoc** 167(9):804–8, 1 Nov 75

Deficiency of trypsin–inhibiting capacity in serum of turkeys with round heart disease. Rattner D. **J Comp Pathol** 86(1):131–3, Jan 76

Effects of selected environmental factors on damaging populations of Neoschongastia americana. Cunningham JR, et al. **J Econ Entomol** 69(2):161–4, Apr 76

Alteration by immunosuppression of early mortality in a naturally occurring cardiomyopathy. Staley NA, et al.
J Lab Clin Med 86(5):844–52, Nov 75

Large–scale aerial treatment of an endemic area with Abate granular larvicide to control black flies (Diptera: Simuliidae) and suppress Leucocytozoon smithi of turkeys. Kissam JB, et al. **J Med Entomol** 12(3):359–62, 25 Sep 75

Naturally occurring reticuloendotheliosis in turkeys: transmission. Paul PS, et al. **J Natl Cancer Inst** 56(2):419–22, Feb 76

Antihistomonas activity of (5–nitro–1–thienyl)–n–acetylamine in experimental enterohepatitis of turkey poults. Bradley RE, et al.
J Parasitol 62(4):643–4, Aug 76

Ultrastructural studies of semen abnormalities and Herpesvirus associated with cultured testicular cells from domestic turkeys. Thurston RJ, et al. **J Reprod Fertil** 45(2):235–41, Nov 75

Experimentally transmitted marble spleen disease in pen–raised wild turkeys. Iltis JP, et al. **J Wildl Dis** 11(4):484–5, Oct 75

Histopathology of hemorrhagic enteritis in turkeys. Fujiwara H, et al. **Natl Inst Anim Health Q (Tokyo)** 15(2):68–75, Summer 75

Qualitative and quantitative histochemical changes in the caecum and liver of turkeys infected with Histomonas meleagridis. Wilkins D, et al. **Parasitology** 72(1):51–63, Feb 76

Toxicity of pokeberries (fruit of Phytolacca americana large) for turkey poults. Barnett BD. **Poult Sci** 54(4):1215–7, Jul 75

The incidences of leg and foot abnormalities in Wrolstad White turkeys. Buffington DE, et al. **Poult Sci** 54(2):457–61, Mar 75

Partial replacement of chicken semen by turkey semen in artificial insemination of chickens. Gavora JS, et al.
Poult Sci 55(4):1583–5, Jul 76

Blood parameters in Leucocytozoon smithi infected poults fed clopidol. Kohne HJ, et al. **Poult Sci** 54(2):472–4, Mar 75

Changes in plasma electrolytes, acid–base balance and other physiological parameters of adult female turkeys under conditions of acute hyperthermia. Kohne HJ, et al.
Poult Sci 54(6):2034–8, Nov 75

Sulfur amino acid requirement and foot pad dermatitis in turkey poults. Murillo MG, et al. **Poult Sci** 55(2):554–62, Mar 76

Periodicity of Leucocytozoon smithi gametocytes in the peripheral blood of domestic turkeys. Noblet GP, et al.
Poult Sci 55(3):1088–93, May 76

Acute oral ochratoxicosis in day–old White Leghorns, turkeys and Japanese Quail. Prior MG, et al. **Poult Sci** 55(2):786–90, Mar 76

A comparison of the virulence of three strains of Mycoplasma gallisepticum and one strain of Mycoplasma gallinarum in chicks, turkey poults, tracheal organ cultures and embryonated fowl eggs. Power J, et al. **Res Vet Sci** 21(1):41–6, Jul 76

Experimental reproduction of turkey syndrome 65 with Mycoplasma meleagridis and M gallisepticum and associated changes in serum protein characteristics. Wise DR, et al. **Res Vet Sci** 19(2):201–3, Sep 75

Efficacy trials in turkey poults with tylosin tartrate against Mycoplasma gallisepticum and Mycoplasma meleagridis. Wise DR, et al. **Res Vet Sci** 19(3):338–9, Nov 75

Pathogenicity studies in poultry with an undefined serotype of Mycoplasma. Wise DR, et al. **Res Vet Sci** 20(3):334–9, May 76

[Toe– and footpad ulcers in fattening turkeys] Schmidt V, et al. **Berl Munch Tieraerztl Wochenschr** 89(3):47–50, 1 Feb 76 **(Ger)**

[Marek's disease virus and turkey herpes virus] Kato S.
Virus (Tokyo) 24(1):92–6, Apr 74 **(Jpn)**

[Veterinary–sanitary measures on turkey farms] Solov'ev SI, et al. **Veterinariia** (8):24–6, Aug 75 **(Rus)**

ANATOMY & HISTOLOGY

Comparative study of the blood vascular system of the hind limb of the domestic turkey (Meleagris gallopavo). Gadhoke JS, et al. **Anat Anz** 138(1–2):99–104, 1975

Comparative study of the blood vascular system of the cervico-thoracic region and thoracic limb of the domestic turkey (Meleagris gallopavo). Gadhoke JS, et al. **Anat Anz** 138(1–2):39–45, 1975

Comparative study of the arterial blood supply of the head and neck in the domestic turkey (Meleagris gallopavo). Gadhoke JS, et al. **Anat Anz** 138(5):444–50, 1975

Comparative study of the major arterial branches of the descending aorta, and their supply to the abdominal viscera in the domestic turkey (Meleagris gallopavo). Gadhoke JS, et al. **Anat Anz** 138(5):438–43, 1975

An experimental study concerning the accessory nerve in the chicken and turkey. Hillebrand A. **Anat Anz** 137(3):296–302, 1975

Scanning electron microscope studies of turkey semen. Marquez BJ, et al. **Poult Sci** 54(4):1139–42, Jul 75

BLOOD

Lipid transport in the avian species. Part I. Isolation and characterization of apolipoproteins and major lipoprotein density classes of male turkey serum. Kelley JL, et al. **Atherosclerosis** 24(1–2):155–75, Jul–Aug 76

Lipid transport in the avian species. Part 2. Isolation and characterization of lipoprotein A and lipoprotein B, two major lipoprotein families of the male turkey serum lipoprotein system. Kelly JL, et al. **Atherosclerosis** 24(1–2):177–87, Jul–Aug 76

Proteins of the turkey erythrocyte membrane. Caldwell AB. **Biochemistry** 15(12):2711–8, 15 Jun 76

Disc electrophoresis of plasma proteins in intergeneric hybrids of chicken, turkey, pheasant, and quail. Sarvella P, et al. **Comp Biochem Physiol [B]** 53(2):211–4, 1976

Ontogenetic changes in the haemoglobins of geese, ducks, chickens and turkeys. Stratil A, et al. **Comp Biochem Physiol [B]** 55(1):145–9, 1976

A radioimmunoassay for turkey luteinizing hormone. Wentworth BC, et al. **Gen Comp Endocrinol** 29(1):119–27, May 76

Disc electrophoresis of turkey serum alkaline phosphatase isoenzymes using polyacrylamide gel. 2. Turkey serum alkaline phosphatase zymograms. Beck JR, et al. **Poult Sci** 54(5):1366–71, Sep 75

Disc electrophoresis of turkey serum alkaline phosphatase isoenzymes using polyacrylamide gel. 1. Procedure. Beck JR, et al. **Poult Sci** 54(5):1359–65, Sep 75

Plasma LH progesterone concentrations in the turkey hen during the ovulatory cycle. Mashaly MM, et al. **Poult Sci** 55(4):1226–34, Jul 76

Peripheral serum levels of 17beta estradiol in growing turkey hens. Wineland MJ, et al. **Poult Sci** 54(2):381–7, Mar 75

GROWTH & DEVELOPMENT

Effect of light intensity on confinement rearing of male turkeys. Bacon WL, et al. **Poult Sci** 55(3):999–1007, May 76

Biotin and early poult growth. Krueger KK, et al. **Poult Sci** 55(2):497–501, Mar 76

The effect of grain component of the diet on the response of turkey poults to vitamin D3 and penicillin. MacAuliffe T, et al. **Poult Sci** 55(1):183–7, Jan 76

IMMUNOLOGY

A micromethod for evaluating turkey lymphocyte response to phytomitogens. Maheswaran SK, et al. **Am J Vet Res** 36(9):1397–1400, Sep 75

Immunocompetent cells of the turkey: antigenic surface determinants of turkey lymphoid cells. Sivanandan V, et al. **Am J Vet Res** 37(8):979–82, AUG 76

Nonspecific reactions to Mycoplasma antigens caused in turkeys sera by Erysipelothrix insidiosa bacterin. Bigland CH, et al. **Avian Dis** 19(3):617–21, Jul–Sep 75

Effect of furazolidone in feed on immune response of turkeys vaccinated with live Pasteurella multocida in drinking water. Derieux WT. **Avian Dis** 20(3):552–5, Jul–Sep 76

Antibody response and resistance of turkeys to Newcastle disease vaccine strain LaSota. Ghumman JS, et al. **Avian Dis** 20(1):1–8, Jan–Mar 76

In vitro DNA synthesis in lymphocytes from turkeys vaccinated with LaSota, TC, and inactivated Newcastle disease vaccines. Ghumman JS, et al. **Avian Dis** 20(1)x18–31, Jan–Mar 76

Studies on Pasteurella multocida. III. In vitro assay for cell-mediated immunity. Maheswaran SK, et al. **Avian Dis** 20(2):332–41, Apr–Jun 76

Antibody responses of turkeys experimentally exposed to Mycoplasma synoviae. Rhoades KR. **Avian Dis** 19(3):437–42, Jul–Sep 75

Isolation and characterization of immunoglobulins G and M of the turkey. Saif YM, et al. **Avian Dis** 20(1):79–95, Jan–Mar 76

The effect of sulfaquinoxaline feed medication on the immunologic response to a Pasteurella multocida vaccine administered to turkeys via drinking water. Bierer BW, et al. **Poult Sci** 55(1):209–12, Jan 76

The ability of blood plasma from drinking water vaccinated turkeys to protect against a lethal challenge of Pasteurella multocida. Bierer BW, et al. **Poult Sci** 54(6):2091–3, Nov 75

Newcastle disease haemagglutination inhibition titres found on routine sampling of poultry in 1974. Macpherson I, et al. **Vet Rec** 97(9):169–70, 30 Aug 75

[Immunological reactivity of turkeys with heterakiasis] Krivutenko AT, et al. **Veterinariia** (9):71–3, Sep 74 **(Rus)**

METABOLISM

Brain indole and catecholamines of turkeys during exposure to temperature stress. El Halawani ME, et al. **Am J Physiol** 230(1):110–5, Jan 76

Amino acid requirements of the young turkey: leucine, isoleucine and valine. D'Mello JP. **Br Poult Sci** 16(6):607–15, Nov 75

Requirements of the young turkey for sulphur amino acids and threonine: comparison with other species. D'Mello JP. **Br Poult Sci** 17(2):157–62, Mar 76

The utilisation of various fats by turkeys of different ages. Whitehead CC, et al. **Br Poult Sci** 16(5):481–5, Sep 75

Amino acid supplementation of low protein turkey starting rations. Atkinson RL, et al. **Poult Sci** 55(4):1572–5, Jul 76

Amino acid supplementation of turkey breeder rations. Atkinson RL, et al. **Poult Sci** 55(4):1575–7, Jul 76

Lysine needs of rapidly growing turkeys from 12–22 weeks of age. Jensen LS, et al. **Poult Sci** 55(4):1394–1400, Jul 76

The effect of a low energy diet on the concentration of DDT in the adipose tissue of turkeys. Kratzer FH, et al. **Poult Sci** 55(1):365–9, Jan 76

Methionine requirement of developing turkeys from 8–12 weeks of age. Murillo MG, et al. **Poult Sci** 55(4):1414–7, Jul 76

Protein, methionine, lysine and a fermentation residue as variables in diets of young turkeys. Potter LM, et al. **Poult Sci** 55(4):1535–43, Jul 76

The effect of age and sex on the rate of change of fatty acid composition of turkeys following a change of dietary fat source. Salmon RE. **Poult Sci** 55(1):201–8, Jan 76

[Distribution of chlortetracycline in the body of turkey poults] Shkarin NV. **Veterinariia** (9):101–2, Sep 74 **(Rus)**

MICROBIOLOGY

In vitro and in vivo transfer of drug resistance for Salmonella and Escherichia coli strains in turkeys. Nivas SC, et al. **Am J Vet Res** 37(4):433–7, Apr 76

Recovery of 61 Salmonella serotypes from artificially contaminated turkey skin. Fagerberg DJ, et al. **Avian Dis** 20(1):195–8, Jan–Mar 76

Effect of large doses of turkey herpes virus on antibody response in chickens. Benda V, et al. **Folia Biol (Praha)** 21(3):184–8, 1975

Metabolic characteristics of cells infected with a herpesvirus of turkeys. Ware JD, et al. **J Natl Cancer Inst** 55(6):1379–82, Dec 75

Isolation and characterization of a herpesvirus from wild turkeys (Meleagris gallopavo osceola) in Florida. Grant HG, et al. **J Wildl Dis** 11(4):562–5, Oct 75

[Typing E. coli isolated from birds by agar gel precipitation] Burdarov I, et al. **Vet Med Nauki** 11(9):84–7, 1974 (Eng. Abstr.) **(Bul)**

[Typing of E. coli strains isolated from a turkey and a test of their sensitivity in relation to antibiotics] Minchev M. **Vet Med Nauki** 12(10):24–8, 1975 (Eng. Abstr.) **(Bul)**

[Microorganism contamination of the sperm of turkey cocks] Shnur AI. **Veterinariia** (1):76–7, Jan 76 **(Rus)**

PARASITOLOGY

Capillaria tridens (Dujardin 1845) Travassos 1915, from wild turkeys (Meleagris gallopavo) in the southeastern United States. Davidson WR, et al. **J Parasitol** 61(6):1115, Dec 75

Prevalence and distribution of Leucocytozoon smithi and Haemoproteus meleagridis in wild turkeys in South Carolina. Noblet R, et al. **J Wildl Dis** 11(4):516–8, Oct 75

[Histomon in histomoniasis of turkeys] Koblova IA, et al. **Veterinariia** (1):66–8, Jan 76 **(Rus)**

PHYSIOLOGY

Electrical activity and intraluminal pressures in the lower small intestine of turkeys. Duke GE, et al. **Am J Dig Dis** 20(11):1040–6, Nov 75

Gastroduodenal electrical activity in turkeys. Duke GE, et al. **Am J Dig Dis** 20(11):1047–58, Nov 75

Studies on the dilution of turkey semen. Sexton TJ. **Br Poult Sci** 17(2):179–84, Mar 76

The effect of time of day of insemination and oviposition on the fertility of turkey hens. Christensen VL, et al. **Poult Sci** 54(4):1209–14, Jul 75

The use of strain gage transducers to study gastroduodenal motility in turkeys. Duke GE, et al. **Poult Sci** 54(5):1472–8, Sep 75

Reproductive performance of caged Beltsville Small White turkeys as affected by choline, bird density and forced molting. Ferguson TM, et al. **Poult Sci** 54(5):1679–84, Sep 75

Comparison of pressure differential procedures for dipping turkey hatching-eggs in gentamicin solution. Greenfield J, et al. **Poult Sci** 54(4):1254–7, Jul 75

Response to selection for hatchability in turkeys at three altitudes. Hobbs HW, et al. **Poult Sci** 55(1):70–81, Jan 76

Fertility and embryonic livability as influenced by depth of insemination of turkey hens. Holleman KA, et al. **Poult Sci** 55(3):1154–6, May 76

Importance of oviduct relaxation in artificial insemination of turkeys. Holleman KA, et al. **Poult Sci** 55(1):452–3, Jan 76

The effect of protein and dietary energy levels and housing regime on production and reproduction parameters of turkey hens. Jones JE, et al. **Poult Sci** 55(2):549–53, Mar 76

The relationship of circulating levels of estrogens, corticosterone and calcium to production performance of adult turkey hens under conditions of increasing ambient temperature. Kohne HJ, et al. **Poult Sci** 55(1):277–85, Jan 76

Acid-base balance, plasma electrolytes and production performance of adult turkey hens under conditions of increasing ambient temperature. Kohne HJ, et al. **Poult Sci** 54(6):2038–45, Nov 75

The effect of accidental pre-lighting of turkey hens on subsequent reproduction. Nestor KE. **Poult Sci** 55(3):847–51, May 76

Antibiotic dipping studies in relation to uptake, embryonic development and Arizona hinshawii recoveries from turkey hatching eggs. Nivas SC, et al. **Poult Sci** 54(5):1597–64, Sep 75

A study of certain environmental factors and mineral chelation on the reproductive performance of young and yearling turkey hens. Thomason DM, et al. **Poult Sci** 55(4):1343–55, Jul 76

Effect of restricted daylength during the growing period on semen quality and fertility of turkey toms. Wall KA, et al. **Poult Sci** 55(1):425–30, Jan 76

Effect of forced molting on quantity and quality of semen in turkey breeder males as influenced by diet. Woodard AE, et al. **Poult Sci** 54(6):2094–101, Nov 75

Effect of semen dose, frequency of insemination, age and productivity of the male on duration and levels of fertility and hatchability in the turkey. Woodard AE, et al. **Poult Sci** 55(4):1367–75, Jul 76

Some beta-adrenergic responses to administration of d,1-isoproterenol to turkeys (39394). Fregly MJ, et al. **Proc Soc Exp Biol Med** 152(3):348–53, Jul 76

TURNER-KIESER SYNDROME see **NAIL-PATELLA SYNDROME**

TURNER'S SYNDROME

Gonadal dysgenesis and abnormalities of the human sex chromosomes: current status of phenotypic-karyotypic correlations. Simpson JL. **Birth Defects** 11(4):23–59, 1975 (175 ref.)

The position of the external ear in Turner's syndrome. Horowitz S, et al. **Clin Genet** 9(3):333–40, Mar 76

[Contribution to the knowledge and nosological definition of Turner's syndrome] Guerresi E, et al. **Ann Ostet Ginecol Med Perinat** 96(2):114–26, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Turner's syndrome with Bonnevie-Ullrich status in a female newborn infant] De Nardo V, et al. **Minerva Med** 66(62):3205–9, 22 Sep 75 **(Ita)**

[Gigantism and amenorrhea: eunuchoid gigantism] Okada Y, et al. **Jpn J Clin Med** Spec No:928–9, 1410–3, 10 Apr 75 **(Jpn)**

[Disorders of mesoderm differentiation in gonadal dysgenesis in children] Szczepski O, et al. **Pediatr Pol** 50(10):1189–94, Oct 75 (Eng. Abstr.) **(Pol)**

[Early diagnosis and treatment of Shereshevskii-Turner syndrome in children] Kniazevskaia EG, et al. **Pediatriia** (7):19–22, Jul 75 (Eng. Abstr.) **(Rus)**

[Agonadism or gonadal agenesis syndrome (author's transl)] Levinson G, et al. **Rev Invest Clin** 27(3):231–7, Jul–Sep 75 (Eng. Abstr.) **(Spa)**

BLOOD

The interaction of growth hormone, somatomedin and oestrogen in patients with Turner's syndrome. Saenger P, et al. **Acta Endocrinol (Kbh)** 81(1):9–18, Jan 76

Somatomedin A in human serum, determined by radioreceptor assay. Takano K, et al. **Acta Endocrinol (Kbh)** 82(3):449–59, Jul 76

LH and FSH response to synthetic LH-RH in children and adolescents with Turner's and Klinefelter's syndrome. Illig R, et al. **Helv Paediatr Acta** 30(3):221–31, Oct 75

Patterns of LH, FSH and testosterone release stimulated by synthetic LRF in prepubertal, pubertal and adult subjects, and in patients with gonadotropin deficiency and XO gonadal dysgenesis. pp. 236–46. Roth JC, et al. **In: Gual C, Rosemberg E, ed. Hypothalamic hypophysiotropic hormones. Amsterdam, Excerpta Medica, 1973. W3 Ex89 no.263 1973.**

Testosterone-estradiol-binding globulin in patients with Turner's syndrome: effects of estrogens and acute growth hormone administration. Bergink EW, et al. **J Clin Endocrinol Metab** 42(6):1018–23, Jun 76

Ovarian and peripheral venous steroids in XY gonadal dysgenesis and gonadoblastoma. McDonough PG, et al. **Obstet Gynecol** 47(3):351–5, Mar 76

[Testosterone concentrations and testosterone transporting protein binding capacity in blood plasma samples from patients with gonadal dysgenesis] Boczkowski K, et al. **Ginekol Pol** 47(2):191–4, Feb 76 (Eng. Abstr.) **(Pol)**

[Content of follicle-stimulating and luteinizing hormones in the plasma of patients with pure form of gonadal dysgenesis] Veinberg EG, et al. **Akush Ginekol (Mosk)**

(10):22–6, Oct 75 (Eng. Abstr.) (Rus)
[Study of the level of lipids in the blood serum of patients with Shereshevsky–Turner syndrome] Davidenkova EF, et al. **Probl Endokrinol (Mosk)** 21(4):26–30, Jul–Aug 75 (Eng. Abstr.) (Rus)

COMPLICATIONS

Asymmetrical gonadal differentiation and gonadoblastoma. Clinical, cytogenetic and histological findings. Case report. Coco R, et al. **Acta Endocrinol (Kbh)** 80(4):753–60, Dec 75
Systolic prolapse of the mitral valve in Noonan's syndrome. Towne WD, et al. **Am Heart J** 90(4):499–502, Oct 75
Echocardiographic studies of left ventricular disease in Ullrich–Noonan syndrome. Nora JJ, et al. **Am J Dis Child** 129(12):1417–20, Dec 75
Aortic regurgitation and pigmentation – unusual features of Noonan syndrome. Bamrah VS, et al. **Am J Med Sci** 271(2):211–4, Mar–Apr 76
Letter: Lichen sclerosus et atrophicus associated with Turner syndrome. Koupaie J. **Arch Dermatol** 112(8):1174, Aug 76
Dysgerminoma in Turner's syndrome. Rehder H, et al. **Beitr Pathol** 157(3):251–9, May 76
Alopecia totalis, nail dysplasia and amelogenesis imperfecta. Gorlin RJ, et al. **Birth Defects** 11(5):23–4, 1975
Rapidly progressive obstructive cardiomyopathy in infants with Noonan's syndrome. Report of two cases. Hirsch HD, et al. **Circulation** 52(6):1161–5, Dec 75
Biliary atresia and the Dandy–Walker anomaly in a neonate with 45,X Turner's syndrome. Molland EA, et al. **J Pathol** 115(4):227–30, Apr 75
The Noonan syndrome with intestinal lymphangiectasia. Herzog DB, et al. **J Pediatr** 88(2):270–2, Feb 76
Letter: Importance of Noonan's syndrome for the urologist. Raghavaiah NV. **J Urol** 116(1):134, Jul 76
Noonan's syndrome associated with polycistic renal disease. Tejani A, et al. **J Urol** 115(2):209–11, Feb 76 (9 ref.)
Turner–mongolism polysyndrome. Review of the first eight known cases. Villaverde MM, et al. **JAMA** 234(8):844–7, 24 Nov 75
Turner syndrome and inflammatory bowel disease. Weinrieb IJ, et al. **N Engl J Med** 294(22):1221–2, 27 May 76
Turner's syndrome and primary hypothyroidism. Report of a case. Wiener JD, et al. **Neth J Med** 18(2):79–82, 1975
Menstrual function in Turner's syndrome. Groll M, et al. **Obstet Gynecol** 47(2):225–6, Feb 76
Unilateral streaked ovary syndrome. Slotnick–Goldfarbs syndrome. Neves–e–Castro M, et al. **Obstet Gynecol** 47(1):86–9, Jan 76
Olfactory, auditory, and gustatory function in patients with bonadal dysgenesis. Valkov IM, et al. **Obstet Gynecol** 46(4):417–8, Oct 75
Gastric carcinoma and Turner's syndrome. Siegler D. **Postgrad Med J** 51(596):411–2, Jun 75
[Kidney anomalies in Ullrich–Turner–syndrome (author's transl)] Aguigha G, et al. **Klin Paediatr** 188(2):116–23, Mar 76 (Eng. Abstr.) (Ger)
[Gonadal dysgenesis, A follow–up study of 25 cases (author's transl)] Bohrn E, et al. **Paediatr Paedol** 10(3):253–69, 1975 (Eng. Abstr.) (Ger)
[Noonan's syndrome and right ventricular infundibular stenosis (author's transl)] Koide S, et al. **Respir Circ (Tokyo)** 24(3):243–51, Mar 76 (Eng. Abstr.) (Jpn)
[Gonocytoma III (gonadoblastoma) in a 12–year–old girl with mixed gonadal dysgenesis] Krawczyński M, et al. **Endokrynol Pol** 27(3):299–306, May–Jun 76 (Eng. Abstr.) (Pol)
[Chromosomal aberrations in gonadal dysgenesis in children and their correlation with changes in the organ of hearing] Rybakowa M, et al. **Pol Tyg Lek** 30(45):1873–5, 10 Nov 75 (Eng. Abstr.) (Pol)
[Coesistence of gonadal dysgenesis and disgerminoma] Palma E, et al. **Rev Chil Obstet Ginecol** 38(4):191–4, 1973 (Spa)

DIAGNOSIS

Lateralized neurologic deficits and psychopathology in a Turner syndrome patient. Kolb JE, et al. **Arch Gen Psychiatry** 32(9):1198–200, Sep 75
Mixed gonadal dysgenesis. Association with unilateral testis and XY chromosome complement. Yoon L, et al. **JAMA** 235(5):524–6, 2 Feb 76
Letter: Raised amniotic–fluid alpha–fetoprotein in Turner syndrome. Hunter A, et al. **Lancet** 1(7959):598–9, 13 Mar 76
[Cytogenetic and clinical findings in suspected Turner's syndrome: results of a five–year study of 207 patients (author's transl)] Berghoff R, et al. **Dtsch Med Wochenschr** 101(14):532–7, Apr 76 (Eng. Abstr.) (Ger)
[The so–called pure gonadal dysgenesis (author's transl)] László J, et al. **Geburtshilfe Frauenheilkd** 35(10):786–92, Oct 75 (Eng. Abstr.) (Ger)
[Diagnostic value of interramillary index for early diagnosis of Ullrich–Turner syndrome. Contribution to clinical diagnosis of dwarfism] Pelz L. **Kinderaerztl Prax** 44(3):97–101, Mar 76 (Ger)
[Diagnosis of intelligence and personality in 23 cases of Turner syndrome (author's transl)] Haselbacher L. **Paediatr Paedol** 10(3):244–52, 1975 (Eng. Abstr.) (Ger)
[What is your diagnosis?] Ploier R, et al. **Paediatr Paedol** 11(3):566–9, 1976 (Ger)
[Ultrasonic studies in gonadal dysgenesis] Bösze P, et al. **Zentralbl Gynaekol** 97(11):679–82, 1975 (Eng. Abstr.) (Ger)
[Clinical picture of gonadal dysgenesis in the children's and adolescents' consulting hours] Müller VR. **Zentralbl Gynaekol** 98(5):261–8, 1976 (Eng. Abstr.) (Ger)
[Significance of dermatoglyphics and palmar furrows for genetic and clinical problem formation in gynecology and obstetrics] Vogel HC, et al. **Zentralbl Gynaekol** 97(7):385–9, 1975 (Eng. Abstr.) (Ger)
[True gonadal agenesis or true gonadal dysgenesis] Sandor T, et al. **Orv Hetil** 116(46):2716–9, 16 Nov 75 (Hun)
[Turner syndrome, diagnosed in late adulthood] Szentcsiki M, et al. **Orv Hetil** 117(15):912–3, 11 Apr 76 (Hun)
[39 cases of gonadal dysgenesis without clinical signs of aortic coarctation] Coletti G, et al. **Boll Soc Ital Cardiol** 20(2):137–40, 1975 (Eng. Abstr.) (Ita)
[Turner's syndrome in a 2–year–old girl] Osiniak B. **Wiad Lek** 29(9):827–30, 1 May 76 (Eng. Abstr.) (Pol)
[Turner's syndrome in a 9–year–old boy] Wilgoszyńska B. **Wiad Lek** 28(15):1309–12, 1 Aug 75 (Eng. Abstr.) (Pol)
[Comparative characteristics of phenotypes in numerical anomalies of human X–chromosomes (morphologic and psychological features)] Davidenkova EF, et al. **Genetika** 12(2):127–36, 1976 (Eng. Abstr.) (Rus)
[Dg–syndrome in a newborn male infant with mosaicism] Gushchina tla, et al. **Pediatriia** (4):71–3, Apr 75 (Rus)
[Shereshevskii–Turner syndrome in middle age] Ivanova NA, et al. **Sov Med** (4):146, Apr 75 (Rus)

DRUG THERAPY

Proceedings: Hormonal treatment of Turner's syndrome. Perheentupa J, et al. **Acta Paediatr Scand [Suppl]** (256):24–5, 1975
Endometrial carcinoma in Turner's syndrome following prolonged treatment with diethylstilbestrol. Sirota DK, et al. **Mt Sinai J Med NY** 42(6):596–90, Nov–Dec 75
[Hypophyseal–hypothalamic reaction to LH–RH and estrogen in hypergonadotropin function conditions] Schmitt R, et al. **Arch Gynaekol** 219(1–4):598, 18 Nov 75 (Ger)

FAMILIAL & GENETIC

45,XO Turner's syndrome without evidence of mosaicism in a patient with two pregnancies. Philip J, et al. **Acta Obstet Gynecol Scand** 55(3):283–6, 1976
Double aneuploidy. Turner–Down syndrome. Townes PL, et al. **Am J Dis Child** 129(9):1062–5, Sep 75
Pure gonadal dysgenesis with an XY chromosomal constitution (Swyer's syndrome): Report of two cases. Bruneteau DW, et al. **Am J Obstet Gynecol** 124(1):55–9, 1 Jan 76
Gonadal dysgenesis in two siblings. Fleishman PR, et al. **Am J Obstet Gynecol** 124(2):208–9, 15 Jan 76
X short–arm deletion gonadal dysgenesis in two sibs. Davis JR, et al. **Birth Defects** 12(5):137–8, 1976
Mixed gonadal dysgenesis and other intersex states. Federman DD. **Birth Defects** 11(4):61–2, 1975
The Turner phenotype associated with unbalanced X/autosome translocation. Leisti J, et al. **Birth Defects** 11(5):315–7, 1975
Christmas disease (haemophilia B) in a girl with deletion of the short arm of one X–chromosome (functional Turner syndrome). Spinelli A, et al. **Br J Haematol** 66(3):129–35, Sep 76
Twins in the sibships and parental sibships of women with Turner's syndrome. Nielsen J, et al. **Clin Genet** 10(2NA–NA–760903–760909):93–6, Aug 76
45,XO/46,XYg dic mosaicism in a patient with ambiguous genitalia. Tuncbilek E, et al. **Clin Genet** 9(3):365–70, Mar 76
Dermatoglyphics in 45X/46XX gonadal dysgenesis. Wolman SR, et al. **Clin Genet** 9(4):441–3, Apr 76
Typical Turner's syndrome with 45 XO karyotype and normal menstruation. Cytogenetic and histological findings. Gilboa Y, et al. **Helv Paediatr Acta** 30(3):281–8, Oct 75
Isochromosome X in man: different DNA replication patterns in the long arms. Baranovskaya LI, et al. **Hum Genet** 33(1):55–60, 7 Jul 76
Turner's syndrome—a clinical and cytogenetic study. Phadke MA, et al. **J Assoc Physicians India** 23(7):427–31, Jul 75
Pseudohermaphroditism due to XY gonadal absence syndrome. Alfaro SK, et al. **J Med Genet** 13(3):242–6, Jun 76
An XX female with sexual infantilism, absent gonads, and lack of Müllerian ducts. Levinson G, et al. **J Med Genet** 13(1):68–9, Feb 76
45,X Turner's syndrome in monozygotic twin sisters. Pescia G, et al. **J Med Genet** 12(4):390–6, Dec 75
Congenital stem cell dysfunction associated with Turner–like phenotype. Feldman KW, et al. **J Pediatr** 88(6):979–82, Jun 76
'Male turner': clinical findings and chromosomal analysis in three phenotypic males. Sonwalkar A, et al. **J Postgrad Med** 21(2):96–100, Apr 75
A case of male Turner's syndrome with XXYY sex chromosome constitution. Kanai H, et al. **Jpn J Hum Genet** 20(2):131–9, Sep 75
Letter: Pentasomy of X chromosome. Mulcany MT, et al. **Lancet** 2(7946):1213–4, 13 Dec 75
Pure gonadal dysgenesis with nonmosaic XY sex chromosomes. Meldrum DR, et al. **Obstet Gynecol** 48(3):357–9, Sep 76
[Turner's syndrome in a boy] Moderová M, et al. **Cesk Pediatr** 30(7–8):351–4, Aug 75 (Eng. Abstr.) (Cze)
[Turner's syndrome 4 variants] Larsen MS, et al. **Ugeskr Laeger** 138(10):600–2, 1 Mar 76 (Eng. Abstr.) (Dan)
[Turner's syndrome. Clinical and cytogenetic correlations. Studies of anti–organ antibodies. Comparison with controls] Petetin F, et al. **Pediatrie** 30(6):591–9, Sep 75 (Fre)
[Dermatoglyphics in Noonan's syndrome (author's transl)] Rott HD, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):63–7, 1975 (Eng. Abstr.) (Ger)
[A rare structural anomaly of the Y chromosome: Y ring (author's transl)] Bühler EM, et al. **Arch Genet (Zur)** 47(1):52–9, 1974 (Eng. Abstr.) (Ger)
[The karyotype–phenotype relationship in Turner's syndrome] Degenhardt KH. **Med Welt** 27(4):136–41, 23 Jan 76 (Ger)
[2 cases of structural anomalies of X chromosome with a 46,XXp karyotype] Boczkowski K. **Ginekol Pol** 46(8):893–9, Aug 75 (Eng. Abstr.) (Pol)
[Eye manifestations in cases of gonadal dysgenesis] Szymańska K, et al. **Klin Oczna** 46(1):29–33, Jan 76 (Eng. Abstr.) (Pol)
[Structure–function features of the long–arm iso–X–chromosome of 45, X/46X, i(Xq) patients] Beniush VA, et al. **Genetika** 11(12):102–9, 1975 (Eng. Abstr.) (Rus)
[The Shereshevskii—Turner syndrome in monozygotic twins] Zarubina NA, et al. **Probl Endokrinol (Mosk)** 21(5):37–42, Sep–Oct 75 (Eng. Abstr.) (Rus)
[XY gonadal dysgenesis with female phenotype (author's transpl)] Trias JV, et al. **Reproduccion** 2(2):111–21, Apr–Jun 75 (Eng. Abstr.) (Spa)
[Swyer's syndrome (pure gonadal dysgenesis) and gonadal neoplasias in 3 sisters] Campodónico I, et al. **Rev Chil Obstet Ginecol** 38(4):155–64, 1973 (Spa)

IMMUNOLOGY

Serum immunoglobulin M, G, and A concentration levels in Turner's syndrome compared with normal women and men. Jensen K, et al. **Hum Genet** 31(3):329–34, 12 Mar 76
[Some indices of humoral and cell–mediated immunity in Turner's syndrome in children and adolescents] Zajączkowski J, et al. **Pediatr Pol** 51(7):773–8, 1976 (Eng. Abstr.) (Pol)

METABOLISM

Proceedings: Bone mineral content in patients with gonadal dysfunction. Risch WD, et al. **Am J Roentgenol** 126(6):1302, Jun 76
Diabetes mellitus in gonadal dysgenesis: studies of insulin and growth hormone secretion. Rasio E, et al. **Eur J Clin Invest** 6(1):59–66, 30 Jan 76
[Gastric secretion and some indices of electrolyte metabolism in Turner's syndrome] Socha J, et al. **Pol Tyg Lek** 31(17):699–701, 26 May 76 (Eng. Abstr.) (Pol)

OCCURRENCE

[Letter: Turner's syndrome among Danish school girls] Nielsen J, et al. **Ugeskr Laeger** 137(36):2077–8, 1 Sep 75 (Dan)

PATHOLOGY

[Phenotypic features and histomorphology of gonads in mixed gonadal dysgenesis in children] Walczak M, et al. **Endokrynol Pol** 27(3):293–8, May–Jun 76 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Pituitary response to synthetic luteinizing hormone–releasing hormone in patients with Turner's syndrone. Huang KE. **J Clin Endocrinol Metab** 41(4):771–6, Oct 75
Letter: Asynchronous growth of scalp hair in XO Turner syndrome. Smith DW, et al. **J Pediatr** 87(4):659–60, Oct 75
[Proceedings: Turner phenotype with menses, leucocytes 45,X and ovarian fibroblasts 45,X–47,XXX (author's transl)] Mornex R, et al. **Ann Endocrinol (Paris)** 36(6):357–8, Nov–Dec 75 (Eng. Abstr.) (Fre)
[Evaluation of gonadotropic and gonadal secretions in primary abnormalities of the gonads and male pseudohermaphrodism before and after the age of puberty] Job JC, et al. **Arch Fr Pediatr** 33(4):371–86, Apr 76 (Eng. Abstr.) (Fre)
[Functional state of the kidneys in Shereshevskii–Turner syndrome] Benikova EA, et al. **Vrach Delo** (1):97–9, Jan 76 (Rus)

RADIOGRAPHY

The skull in gonadal dysgenesis. A roentgenometric study. Rzymski K, et al. **Clin Radiol** 26(3):379–84, Jul 75
[Skeletal abnormalities associated with Noonan's syndrome (author's transl)] Abe H, et al. **Nippon Acta Radiol** 35(11):980–93, 1975 (Eng. Abstr.) (Jpn)

VETERINARY

Gonadal dysgenesis in the mare. Hughes JP, et al. **J Reprod Fertil [Suppl]** (23):385–90, Oct 75

TURPENTINE

Factitial panniculitis and necrotizing fasciitis in juvenile diabetes. Oh C, et al. **Diabetes** 24(9):856–8, Sep 75

ADVERSE EFFECTS

[Can atrophy of the brain arise from prolonged inhalation of mineral turpentine?] Lou HC, et al. **Ugeskr Laeger** 138(20):1199–1202, 10 May 76 (Eng. Abstr.) **(Dan)**

TURTLES

Histochemical distribution of acid mucopolysaccharides in the tongue of reptiles. I. Chelonia (Pseudemys scripta Clark). Carmignani MP, et al. **Ann Histochim** 20(1):77–88, Jan–Mar 75

Treatment of Salmonella–Arizona–infected turtle eggs with terramycin and chloromycetin by the temperature–differential egg dip method. Siebeling RJ, et al. **Appl Microbiol** 30(5):791–9, Nov 75

Apomorphine–induced stereotyped biting in the tortoise in relation to dopaminergic mechanisms. Andersen H, et al. **Brain Behav Evol** 11(5–6):365–73, 1975

Chromosome homology and evolution of emydid turtles. Bickham JW, et al. **Chromosoma** 54(3):201–19, 23 Feb 76

Letter: Turtle meat and cone shell poisoning. Likeman R. **Papua New Guinea Med J** 18(2):125–6, Jun 75

On the histomorphology of Polystomoides ludhianae n. sp. (Monogenea) recovered from the urinary bladder of Kachuga tectum and Kachuga smithi in north India. Gupta NK, et al. **Parassitologia** 16(2–3):225–9, Aug–Dec 74

Articular pseudogout in a turtle (Chrysemys s. elegans). Frye FL, et al. **Vet Med Small Anim Clin** 71(5):655–9, May 76

Spontaneous diabetes mellitus in a turtle. Frye FL, et al. **Vet Med Small Anim Clin** 71(7):935–9, Jul 76

Stomatitis in the Greek tortoise (Testudo graeca). Holt PE, et al. **Vet Rec** 98(8):156, 21 Feb 76

[Incidence and treatment of salmonella carriers in tejus and tortoises (author's transl)] Koopman JP, et al. **Tijdschr Diergeneeskd** 101(17):957–61, 1 Sep 76 (Eng. Abstr.) **(Dut)**

[Reptiles in the apartment—a hobby. Conduct and behavior of land tortoises (part 1)] Last G. **Ther Ggw** 115(3):506–16, Mar 76 **(Ger)**

[Growing reptiles in an apartment—a hobby. 2. Behavior and conduct of land turtles] Last G. **Ther Ggw** 115(4):693–707, Apr 76 **(Ger)**

ANATOMY & HISTOLOGY

Comparative ultrastructural analysis of two tortoise bladders, Testudo graeca and Geochelone carbonaria. Strum JM, et al. **Anat Rec** 184(1):97–109, Jan 76

Light and scanning electron microscopic studies on the esophageal spines in the Pacific ridley turtle, Lepidochelys olivacea. Yoshie S, et al. **Arch Histol Jpn** 38(5):339–46, Feb 76

Striatal afferent connections in the turtle (Chrysemys picta) as revealed by retrograde axonal transport of horseradish peroxidase. Parent A. **Brain Res** 108(1):25–36, 21 May 76

Fine structure of the chromophobe in the pars distalis of the common snapping turtle, Chelydra serpentina. Tseng MT, et al. **Cell Tissue Res** 166(2):235–40, 12 Feb 76

The cranial arteries of turtles and their evolutionary significance. Albrecht PW. **J Morphol** 149(2):159–82, Jun 76

Ultrastructural analysis of normal and immunized spleen of the snapping turtle, Chelydra serpentina. Borysenko M. **J Morphol** 149(2):243–63, Jun 76

Changes in spleen histology in response to antigenic stimulation in the snapping turtle, Chelydra serpentina. Borysenko M. **J Morphol** 149(2):224–41, Jun 76

Lamellar bodies of the turtle epidermis. Matoltsy AG, et al. **J Ultrastruct Res** 53(1):128–32, Oct 75

Immunocytochemistry of pituitary corticotroph cells in terrestrial turtle (Testudo mauritanica)] Guedenet JC, et al. **C R Acad Sci [D] (Paris)** 281(17):1253–6, 27 Oct 75 (Eng. Abstr.) **(Fre)**

[Structure of the sensory neural apparatus of the common carotid artery in reptiles] Morozov EK. **Arkh Anat Gistol Embriol** 68(5):57–61, May 75 (Eng. Abstr.) **(Rus)**

[Individual variation in the structure of the infratemporal fossa and its contents] Tsybul'kin AG. **Arkh Anat Gistol Embriol** 68(5):51–7, May 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Cellular degeneration in the apical crest of the limb bud of the moorish turtle (Testudo graeca L., Chelonian)] Pieau C, et al. **C R Acad Sci [D] (Paris)** 282(20):1797–800, 24 May 76 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Cellular aspects of humoral immune responsiveness in Chelydra. Borysenko M. **Adv Exp Med Biol** 64:277–91, 1975 (49 ref.)

Structural data on chicken IgA and failure to identify the IgA of the tortoise. Vaerman JP, et al. **Adv Exp Med Biol** 64:185–95, 1975

IgM the secretory immunoglobulin of reptiles and amphibians. Portis JL, et al. **Nature** 258(5535):547–8, 11 Dec 75

Arbovirus infections in reptiles: studies on the presence of Japanese encephalitis virus antibody in the plasma of the turtle, Trionyx sinensis. Shortridge KF, et al. **Southeast Asian J Trop Med Public Health** 6(2):161–9, Jun 75

METABOLISM

Heavy metal–induced alterations in ion transport by turtle urinary bladder. Schwartz JH, et al. **Am J Physiol** 230(6):1582–9, Jun 76

H+ current response to CO2 and carbonic anhydrase inhibition in turtle bladder. Schwartz JH. **Am J Physiol** 231(2):565–72, Aug 76

Further studies on the chemical nature of reptilian gonadotropins: FSH and LH in the American alligator and green sea turtle. Licht P, et al. **Biol Reprod** 14(2):222–32, Mar 76

Insecticide residues in two turtle species following treatment with DDT. Owen PJ, et al. **Bull Environ Contam Toxicol** 15(4):406–11, Apr 76

Retention of a single oral dose of cadmium in tissues of the softshell turtle, Trionyx spinifer. Robinson KM, et al. **Bull Environ Contam Toxicol** 14(6):750–2, Dec 75

Adenosine triphosphatase activity in brain, intestinal mucosa, kidney, and liver cellular fractions of the red–eared turtle following in vitro treatment with DDT, DDD, and DDE. Witherspoon FG Jr, et al. **Bull Environ Contam Toxicol** 14(5):537–44, Nov 75

Thyroxine and oxygen consumption in Pseudemys script a elegans. Penney D, et al. **Comp Biochem Physiol [A]** 54(4):443–5, 1976

Buoyant density of turtle mitochondrial and nuclear DNA. Davidson MM, et al. **Comp Biochem Physiol [B]** 53(3):287–9, 1976

Characterization of cytosol and mitochondrial rRNA of reptiles in relation to evolution. Waters BK, et al. **Comp Biochem Physiol [B]** 53(3):283–6, 1976

Characterization of myoglobins from Atlantic and Pacific green sea turtles. Williams JD Jr, et al. **Comp Biochem Physiol [B]** 54(2):253–9, 1976

Isolation and characterization of follicle–stimulating hormone and luteinizing hormone and its subunits from snapping turtle (Chelydra serpentina) pituitaries. Papkoff H, et al. **Endocrinology** 98(3):767–77, Mar 76

Glycogen in epidermal nerve terminals of Lacerta sicula (squamata: reptilia). Landmann L, et al. **Experientia** 31(8):967–8, 15 Aug 75

The influence of mammalian and avian gonadotropins on in vitro ovarian steroid synthesis in the turtle (Chrysemys picta). Callard IP, et al. **Gen Comp Endocrinol** 28(1):2–9, Jan 76

Site of progesterone production in the reptilian ovarian follicle. Crew D, et al. **Gen Comp Endocrinol** 27(4):553–6, Dec 75

Stimulation of in vitro steroid production in turtle ovarian tissue by reptilian, amphibian, and mammalian gonadotropins. Crews DP, et al. **Gen Comp Endocrinol** 27(1):71–83, Sep 75

Energetics of swimming of a sea turtle. Prange HD. **J Exp Biol** 64(1):1–12, Feb 76

The sulfatides and some histochemical correlations of the lachrymal glands involved in salt secretion in Chelonia. Bolognani L, et al. **J Exp Zool** 195(2):179–90, Feb 76

Interferon production in tortoise peritoneal cells. Galabov AS, et al. **J Gen Virol** 28(2):259–63, Aug 75

Plasma amino acids in reptiles after feeding protein or amino acids and after injecting amino acids. Herbert JD, et al. **J Nutr** 106(8):1097–101, Aug 76

MICROBIOLOGY

Salmonella arthritis from a tortoise. May AR. **Br J Clin Pract** 29(8):217, Aug 75

PARASITOLOGY

Eimeria juniataensis sp. n. (Protozoa: Eimeriidae) from the map turtle, Graptemys Geographica, in Pennsylvania. Pluto TG, et al. **J Parasitol** 62(2):207–8, Apr 76

Observations on Haemogregarina balli sp. n. from the common snapping turtle, Chelydra serpentina. Paterson WB, et al. **J Protozool** 23(2):294–301, May 76

On the histomorphology of Polystomoides ludhianae n. sp. (Monogenea) recovered from the urinary bladder of Kachuga tectum and Kachuga smithi in north India. Gupta NK, et al. **Parassitologia** 16(2–3):225–9, Aug–Dec 74

PHYSIOLOGY

Effects of temperature transients on gas exchange and acid–base status of turtles. Jackson DC, et al. **Am J Physiol** 230(5):1389–93, May 76

Model of the firing frequency of the chelonian muscle spindle. Naeije M, et al. **Biol Cybern** 21(1):53–60, 2 Jan 76

Problems of control of breathing in air–breathers and in water–breathers. Dejours P. **Boll Soc Ital Biol Sper** 51(18 Pt2):1–15, 30 Oct 75

Slow potentials of the turtle olfactory bulb in response to odor stimulation of the nose. Beuerman RW. **Brain Res** 97(1):61–78, 24 Oct 75

Heating and cooling rates and their effects upon heart rate and subcutaneous temperatures in the desert tortoise, Gopherus agassizii. Voigt WG. **Comp Biochem Physiol [A]** 52(3):527–31, 1 Nov 75

Aestivation and thermoregulation in the Texas tortoise, Gopherus berlandieri. Voigt WG, et al. **Comp Biochem Physiol [A]** 53(1):41–4, Jan 76

Mechanical properties of contractile elements of smooth muscle. pp. 217–21. Bozler E. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

The influence of oestradiol–17beta and progesterone on the contractility of the oviduct of the turtle, Chrysemys picta, in vitro. Callard IP, et al. **J Endocrinol** 68(1):147–52, Jan 76

Proceedings: Control of prolactin secretion in the terrapin (Chrysemys picta). Hall TR, et al. **J Endocrinol** 67(2):52P–54P, Nov 75

A quantitative analysis of ventilation tachycardia and its control in two chelonians, Pseudemys scripta and Testudo graeca. Burggren WW. **J Exp Biol** 63(2):367–80, Oct 75

Cardiovascular dynamics of the chelonia during apnoea and lung ventilation. Shelton G, et al. **J Exp Biol** 64(2):323–43, Apr 76

The effect of hypothalamic thermal stimulation on respiration in the turtle. Siegel EB, et al. **J Exp Zool** 196(3):387–92, Jun 76

Functional characteristics of lateral interactions between rods in the retina of the snapping turtle. Copenhagen DR, et al. **J Physiol (Lond)** 259(2):251–82, Jul 76

Centrifugal actions on amacrine and ganglion cells in the retina of the turtle. Marchiafava PL. **J Physiol (Lond)** 255(1):137–55, Feb 76

Are reptilian pulmonary receptors mechano– or chemosensitive? Milsom WK, et al. **Nature** 261(5558):327–8, 27 May 76

An automated apparatus for the determination of visual thresholds in turtles. Maxwell JH, et al. **Physiol Behav** 15(1):131–2, Jul 75

Cone input to horizontal cells in the turtle retina. Yazulla S. **Vision Res** 16(7):727–35, 1976

Cone input to bipolar cells in the turtle retina. Yazulla S. **Vision Res** 16(7):737–44, 1976

[Observations on the gastrointestinal movements of the tortoise (Geoclemys reevesii) by means of the abdominal–window–technique] Hukuhara T, et al. **Jpn J Smooth Muscle Res** 11(2):39–46, Jun 75 (Eng. Abstr.) **(Jpn)**

[Characteristics of the cardiac autoregulatory mechanisms in Horsfield's terrapin. I. The structural and functional bases of cardiocardiac regulation] Kamenskaia VN, et al. **Biol Nauki** (6):78–83, 1976 **(Rus)**

[Comparative electrophysiologic characteristics of afferent representation in the cortical and striatal portions of the turtle forebrain] Belekhova MG, et al. **Neirofiziologiia** 7(2):184–93, 1975 **(Rus)**

[Morpho–functional changes in the tegmentum mesencephali of turtles following enucleation] Boĭko VP, et al. **Neirofiziologiia** 7(2):172–7, 1975 **(Rus)**

[Interaction between the horizontal cells of the turtle retina] Byzov AL. **Neirofiziologiia** 7(3):279–86, 1975 (Eng. Abstr.) **(Rus)**

[Generation of action potentials by cortical neurons in turtles. Dendritic and somatic spikes] Pivovarov AS. **Neirofiziologiia** 8(3):237–42, 1976 (Eng. Abstr.) **(Rus)**

[Changes in the postsynaptic and spike potentials of a cortical neuron during habituation] Tsitolovskiĭ LE, et al. **Neirofiziologiia** 8(1):22–9, 1976 (Eng. Abstr.) **(Rus)**

[Extrapolation reactions following destruction of the dorsal cortex of the turtle forebrain] Ochinskaia EI, et al. **Zh Vyssh Nerv Deiat** 26(3):626–32, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Registration of the bog turtle electroencephalogram under free movement conditions] Rubtsova NB, et al. **Zh Vyssh Nerv Deiat** 26(1):220–1, Jan–Feb 76 **(Rus)**

ULTRASTRUCTURE

[Dark and light neurons in the cortical plate of the forebrain of the swamp turtle] Davydova TV, et al. **Arkh Anat Gistol Embriol** 69(8):80–5, Aug 75 (Eng. Abstr.) **(Rus)**

TWINS

see related

DISEASES IN TWINS

Vascular anastomoses in twin placentae and their recognition. Bhargava I, et al. **Acta Anat (Basel)** 93(3):471–80, 1975

Congenital malformations, twinning and associated variables in a Brazilian population. De Araújo AM, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):31–9, 1975

Twins as a natural test of chronogenetics. Gedda L, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):15–30, 1975

A case of Mongolism in DZ female twins studied at 10 and then at 43 years of age. Greulich WW. **Acta Genet Med Gemellol (Roma)** 24(1–2):47–61, 1975

The secular decline in dizygotic twinning rates in italy. James WH. **Acta Genet Med Gemellol (Roma)** 24(1–2):9–14, 1975

Letter: Motor performances in twins. Kovar R. **Acta Genet Med Gemellol (Roma)** 24(1–2):174, 1975

Letter: An unusual ECG pattern in two healthy identical twins. Maccarini PA. **Acta Genet Med Gemellol (Roma)** 24(1–2):173, 1975

A genetic study of plasma dopamine beta hydroxylase activity in man. Mendlewicz J, et al. **Acta Genet Med Gemellol (Roma)** 24(1–2):105–10, 1975

Monozygotic twins with concordance for Down's syndrome and congenital heart disease. Papp Z. **Acta Genet Med Gemellol (Roma)** 24(1–2):41–6, 1975

Twin pregnancy. The role of active management during pregnancy and delivery. Jouppila P, et al. **Acta Obstet Gynecol Scand [Suppl]** (44):13–9, 1975

Twin pregnancy. A clinical study of 335 cases. Kauppila A, et al. **Acta Obstet Gynecol Scand [Suppl]** (44):5–12, 1975

Twin pregnancy. Neonatal morbidity and mortality. Koivisto M, et al. **Acta Obstet Gynecol Scand [Suppl]** (44):21–9, 1975

Outcome of twin birth. Review of 1,636 children born in twin birth. Pettersson F, et al. **Acta Paediatr Scand** 65(4):473–9, Jul 76

Letters to the editor: Statistical analysis of genetic variance in twins. Christian JC, et al. **Am J Hum Genet** 27(6):807, Nov 75

Variance of plasma free and esterified cholesterol in adult twins. Christian JC, et al. **Am J Hum Genet** 28(2):174–8, Mar 76

Letter: Methods and interpretation of twin concordance data. Hrubec Z, et al. **Am J Hum Genet** 27(6):808–9, Nov 75

Letter: Note on the analysis of twin data. Nance WE. **Am J Hum Genet** 28(3):297–9, May 76

Dentition of monozygotic twins concordant for Down's syndrome: a case report. Nery EB, et al. **Am J Ment Defic** 80(3):334–48, Nov 75

Twins with academic learning problems: antecedent characteristics. Matheny AP Jr, et al. **Am J Orthopsychiatry** 46(3):464–9, Jul 76

Genetic basis of hair medulla by twin study. Das–Chaudhuri AB. **Am J Phys Anthropol** 44(1):51–3, Jan 76

A twin study of dental dimension. II. Independent genetic determinants. Potter RH, et al. **Am J Phys Anthropol** 44(3):397–412, May 76

A twin study of dental dimension. I. Discordance, asymmetry, and mirror imagery. Potter RH, et al. **Am J Phys Anthropol** 44(3):391–5, May 76

Variations in the capacity of the steroid binding beta globulin (SBbetaG) in plasma from normal young twins. de Moor P, et al. **Ann Endocrinol (Paris)** 36(2):87–93, Mar–Apr 75

Seasonality in twin births. James WH. **Ann Hum Biol** 3(2):193–5, Mar 76

Concordance in physical growth for monozygotic and dizygotic twins. Wilson RS. **Ann Hum Biol** 3(1):1–10, Jan 76

Tracheobronchial particle deposition and clearance. A study of the effects of cigarette smoking in monozygotic twins. Bohning DE, et al. **Arch Environ Health** 30(9):457–62, Sep 75

Reliably separating identical from fraternal twins. Cohen DJ, et al. **Arch Gen Psychiatry** 32(11):1371–5, Nov 75

Left–handedness in twins: incidence and patterns of performance in an adolescent sample. Carter–Saltzman L, et al. **Behav Genet** 6(2):189–203, Apr 76

Genetic and environmental components of inconsistency and unrepeatability in twins' responses to a neuroticism questionnaire. Eaves L, et al. **Behav Genet** 6(2):145–60, Apr 76

Heritability of personality traits in adult male twins. Horn JM, et al. **Behav Genet** 6(1):17–30, Jan 76

Resemblance in appearance and the equal environments assumption in twin studies of personality traits. Plomin R, et al. **Behav Genet** 6(1):43–52, Jan 76

A differential viability model for twin–pair blood group data. Fienberg SE, et al. **Biometrics** 31(3):785–90, Sep 75

Monozygotic twinning and the Duhamel anomalad (imperforate anus to sirenomelia): a nonrandom association between two aberrations in morphogenesis. Smith DW, et al. **Birth Defects** 12(5):53–63, 1976

Advanced simultaneous intrauterine and abdominal pregnancy. A case report. Das N. **Br J Obstet Gynaecol** 82(10):840–2, Oct 75

Twinning and anencephalus occurrence in relation to fetus–fetus interaction. Elwood JM. **Br J Prev Soc Med** 30(1):29–31, Mar 76

A twin study of human red blood cell catechol–o–methyl transferase. Grunhaus L, et al. **Br J Psychiatry** 128:494–8, May 76

Infantile autism in twins. McQuaid PE. **Br J Psychiatry** 127:530–4, Dec 75

Editorial: Worldwide decline in dizygotic twinning. **Br Med J** 1(6025):1553, 26 Jun 76

Premature coronary artery disease in identical male twins studied by selective coronary arteriography. Kreulen TH, et al. **Cathet Cardiovasc Diagn** 1(1):91–6, 1975

Variable expression of Marfan syndrome in monozygotic twins. Ambani LM, et al. **Clin Genet** 8(5):358–63, Nov 75

Twins in the sibships and parental sibships of women with Turner's syndrome. Nielsen J, et al. **Clin Genet** 10(2NA–NA–760903–760909):93–6, Aug 76

Estimates of the heritability of serum lipoprotein and lipid concentrations. Weinberg R, et al. **Clin Genet** 9(6):588–92, Jun 76

Contraposed curve patterns in monozygotic twins. Ogden JA, et al. **Clin Orthop** (116):35–7, May 76

Serum creatine phosphokinase (CPK) activity in monozygotic twins discordant for schizophrenia: heritability of serum CPK activity. Meltzer HY, et al. **Compr Psychiatry** 17(3–3E760517–760617–3):469–75, May–June 76

Discordance of diabetic microangiopathy in identical twins. Karam JH, et al. **Diabetes** 25(1):24–8, Jan 76

Genetic effects in the cortical auditory evoked potential: a twin study. Rust J. **Electroencephalogr Clin Neurophysiol** 39(4):321–7, Oct 75

Chances for exclusion of fatherhood of defendant non–fathers concerning twins of compatible and incompatible serological structure. Marcinkowski T, et al. **Forensic Sci** 6(3):125–9, Dec 75

The twin and twin–family approach to cross–cultural aging research. Cohn D. **Gerontologist** 16(1 Pt1):77–81, Feb 76

A twin study of the structure of human hair medulla. Das–Chaudhuri AB. **Hum Hered** 26(3):167–70, 1976

Alpha–fetoprotein concentration in cord blood from twins and from a set of quadruplets—a case of superfetatio? Norgaard–Pedersen B, et al. **Hum Hered** 26(1):72–80, 1976

Genetic analysis of dermatoglyphic patterns in twins. Reed T, et al. **Hum Hered** 25(4):263–75, 1975

The role of genetic factors in drug interactions. pp. 181–98. Vesell ES.
In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.

The death of a twin: mourning and anniversary reactions. Fragments of 10 years of self–analysis. Engel GL. **Int J Psychoanal** 56(1):23–40, 1975

Narcissistic personality disorder in an identical twin. Ackerman PH. **Int J Psychoanal Psychother** 4:389–409, 1975

The further development of twins after severe and prolonged deprivation: a second report. Koluchová J. **J Child Psychol Psychiatry** 17(3):181–8, Jul 76

Cusp size sexual dimorphism, and the heritability of maxillary molar cusp size in twins. Biggerstaff RH. **J Dent Res** 55(2):189–95, Mar–Apr 76

A cotwin control study and a twin study of reflection–impulsivity in children. Plomin R, et al. **J Educ Psychol** 67(4):537–43, Aug 75

A factor analysis of creativity in fraternal and identical twins. Domino G, et al. **J Gen Psychol** 94(2):211–21, Apr 76

Twins: within–pair similarity on Bayley's Infant Behavior Record. Matheny AP Jr, et al. **J Genet Psychol** 128(2):263–70, Jun 76

45,X Turner's syndrome in monozygotic twin sisters. Pescia G, et al. **J Med Genet** 12(4):390–6, Dec 75

Monozygotic twins discordant for sex. Schmidt R, et al. **J Med Genet** 13(1):64–8, Feb 76

Aspects of pre–eclamptic toxaemia of pregnancy, consanguinity, twinning in Ankara. Stevenson AC, et al. **J Med Genet** 13(1):1–8, Feb 76

Epiloia in twins: a problem in diagnosis and counselling. Primrose DA. **J Ment Defic Res** 19(3–4):195–203, Sep–Dec 75

Fetal alcohol syndrome in dizygotic twins. Christoffel KK, et al. **J Pediatr** 87(6 Pt 1):963–7, Dec 75

Genetic correlates and sex differences in Holtzman Inkblot Technique responses of twins. Rice DG, et al. **J Pers Assess** 40(2):122–9, Apr 76

The nature of extraversion: a genetical analysis. Eaves L, et al. **J Pers Soc Psychol** 32(1):102–12, Jul 75

Persons, situations, and time: a genetic view of behavioral change in children. Matheny AP Jr, et al. **J Pers Soc Psychol** 32(6):1106–10, Dec 75

Children's preparedness to learn high magnitude responses. Diener E, et al. **J Soc Psychol** 96(First Half):99–107, Jun 75

The breast–feeding of twins. Addy HA. **J Trop Pediatr** 21(5):231–9, Oct 75

Pattern intensity of fingers in twins. Asaka A, et al. **Jpn J Hum Genet** 20(2):153–62, Sep 75

Frequency of X–chromatin or Y–chromatin positive cells in twins. Asaka A. **Jpn J Hum Genet** 20(2):163–8, Sep 75

Letter: Twinning and illegitimacy in C.N.S. defects. Durkin MV, et al. **Lancet** 2(7893):1389–90, 7 Dec 74

Letter: Sequential fetus–fetus interaction and C.N.S. defects. Durkin MV, et al. **Lancet** 2(7975):43, 3 Jul 76

Letter: Screening for early detection of twin pregnancies. Einerh Y, et al. **Lancet** 1(7962):745, 3 Apr 76

Ultrasound and human–placental–lactogen screening early detection of twin pregnancies. Grennert L, et al. **Lancet** 1(7949):4–6, 3 Jan 76

Letter: Maternal age of dizygotic twins, superfecundation, and coital–rate. James WH. **Lancet** 1(7954):309, 7 Feb 76

Letter: H.P.L. and twins. Kenney A, et al. **Lancet** 1(7953):253–4, 31 Jan 76

Twin gestation. Kohl SG, et al. **Mt Sinai J Med NY** 42(6):523–39, Nov–Dec 75

Letter: Determination of zygocity. Friedman EA. **N Engl J Med** 293(14):725, 2 Oct 75

Evidence for a low upper limit of heritability of mental test performance in a national sample of twins. Adams B, et al. **Nature** 263(5575):314–6, 23 Sep 76

Monozygotic twins with Huntington's disease in a family expressing the rigid variant. Bird TD, et al. **Neurology (Minneap)** 25(12):1126–9, Dec 75

Cytomegalic virus disease in pregnancy. Eachempati U, et al. **Obstet Gynecol** 47(5):615–8, May 76

Monozygotic twins discordant for urinary tract anomalies and presenting as hydramnios. Johnstone H, et al. **Obstet Gynecol** 47(5):610–4, May 76

Locked twins. An unusual method of delivery. Martimbeau P, et al. **Obstet Gynecol** 47(5):609–10, May 76

Letter: Infant weights in multiple births. Roberts RB. **Obstet Gynecol** 47(3):382, Mar 76

Letter: Interlocking twins. Yeager TF. **Obstet Gynecol** 47(4):509–10, Apr 76

Field dependence in relation to alcohol consumption: a co–twin control study. Bergman H, et al. **Percept Mot Skills** 41(3):855–9, Dec 75

Polyacrylamide gel electrophoresis of twin and nontwin parotid salivary proteins. Smith QT, et al. **Proc Soc Exp Biol Med** 151(3):535–8, Mar 76

The effect of parental perceptions on early development in twins. Allen MG, et al. **Psychiatry** 39(1):65–71, Feb 76

Resemblances of twins and their parents in pattern A behavior. Matthews KA, et al. **Psychosom Med** 38(2):140–4, Mar–Apr 76

Furthernotes on dizygotic twinning–rate changes. Scheinfeld A. **Soc Biol** 23(1):82–5, Spring 76

Some observations on the decline in the United States dizygotic twinning rate. Wysnak G. **Soc Biol** 22(2):167–72, Summer 75

Synchronous testicular tumors in identical twins. Levey S, et al. **Urology** 6(6):754–8, Dec 75

[Effects of spontaneous abortions on the frequency of births of twins] Lazar P. **C R Acad Sci [D] (Paris)** 282(2):243–6, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Letter: Hemorrhage of the fetus in its placenta. Compression of the umbilical cord during gemellary labor] Daffos F, et al. **Nouv Presse Med** 4(36):2600, 25 Oct 75 **(Fre)**

[First results of preventive tocolytic agent administration in twin pregnancies] Scholtes G. **Arch Gynaekol** 219(1–4):337–9, 18 Nov 75 **(Ger)**

[Decrease in twin births in the german federal republic (author's transl)] Krüger J, et al. **Dtsch Med Wochenschr** 101(13):475–80, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[The incidence of twin births] Propping P, et al. **Dtsch Med Wochenschr** 101(13):506–12, 26 Mar 76 **(Ger)**

[Significance of serum alpha fetoprotein and immunoglobulin G concentrations as a parameter of gestational–age examination in abnormalities and twins] Stück B, et al. **Monatsschr Kinderheilkd** 123(5):435–7, May 75 **(Ger)**

[Differences in metric characteristics between partners of longitudinally studied pairs of twins during growth] Kadanoff D, et al. **Verh Anat Ges** 68:605–10, 1974 (Eng. Abstr.) **(Ger)**

[Unilateral fallopian tube twin pregnancy] Bognár Z. **Zentralbl Gynaekol** 98(4):250–3, 1976 (Eng. Abstr.) **(Ger)**

[A case of thalassemia minor and twin pregnancy] Schulte–Krumpen VR, et al. **Zentralbl Gynaekol** 97(5):311–13, 1975 (Eng. Abstr.) **(Ger)**

[Twins in nature, science and society (author's transl)] Gedda L. **Acta Genet Med Gemellol (Roma)** 24(1–2):3–8, 1975 **(Ita)**

[Functional and structural scoliosis in monozygotic twins] Mongird–Nakonieczna J, et al. **Chir Narzadow Ruchu Ortop Pol** 41(1):34–36, 1976 (Eng. Abstr.) **(Pol)**

[Paternity exclusion in men wrongly sued for paternity in a case of twins of identical and non–identical serological structure] Marcinkowski T, et al. **Pol Tyg Lek** 31(22):957–9, 31 May 76 **(Pol)**

[Attempt to evaluate the bioelectrical function of the brain and the mental development of twin pregnancy children (author's transl)] Koślacz–Folga A, et al. **Probl Med Wieku Rozwoj** 5:35–44, 1975 (Eng. Abstr.) **(Pol)**

[Immunological ABO incompatibility system in multiple pregnancy and its influence on the birth of the twins] Ivanov VP, et al. **Akush Ginekol (Mosk)** (11):62–3, Nov 75 **(Rus)**

[Effect of zygosity of the fetuses on the incidence of toxemias in multiple pregnancy] Lukoianov IuE. **Akush Ginekol (Mosk)** (9):22–4, Sep 75 (Eng. Abstr.) **(Rus)**

[Assessment of the hereditary and environmental influence on the growth of hand bones in twin children] Nikitiuk BA. **Arkh Anat Gistol Embriol** 69(12):5–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Role of various factors in determination of mono– and dizygotic twinning in man] Lil'in ET, et al. **Genetika** 11(9):151–9, 1975 (Eng. Abstr.) **(Rus)**

[Comparative population study of twins in the population of Moscow in the 18–19th centuries and the 2d half of the 20th century] Lil'in ET. **Genetika** 9(10):121–6, Oct 73 (Eng. Abstr.) **(Rus)**

[A decrease in twin births and factors involved in multiple pregnancy] Lipovetskaia NG, et al. **Genetika** 11(4):150–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Possible association between epilepsy and dizygotic twining] Rudenskaia GE. **Genetika** 11(3):171–3, 1975 (Eng. Abstr.) **(Rus)**

[Possible association between epilepsy and dizygotic twinning] Rudenskaia GE. **Genetika** 11(3):171–3, 1975 (Eng. Abstr.) **(Rus)**

[Sample study of twins in the Central Volga district] Sharafutdinova AT, et al. **Genetika** 10(2):179–82, Feb 74 (Eng. Abstr.) **(Rus)**

[Frequency of some blood group factors in twins and their parents] Zagalkova M, et al. **Probl Gematol Pereliv Krovi** 21(1):43–5, Jan 76 (Eng. Abstr.) **(Rus)**

[Basic properties of nervous processes in twins] Elkin VI, et al. **Zh Vyssh Nerv Deiat** 25(1):17–20, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[The type of higher nervous activity in twins] Pervomalskil Bla, et al. **Zh Vyssh Nerv Deiat** 25(4):700–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Colision gemellarum] Kurčiev K, et al. **God Zb Med Fak Skopje** 21:445–8, 1975 **(Ser)**

[Cesarean section in twin pregnancy] Palčevski G, et al.

God Zb Med Fak Skopje 17:363–6, 1971 (Eng. Abstr.) (Ser)

[Pre-excitation syndrome in monozygotic twins] Mispireta JL, et al. Arch Inst Cardiol Mex 46(1):3–11, Jan–Feb 76 (Eng. Abstr.) (Spa)

TWINS, CONJOINED

Obstructed labour due to undiagnosed conjoined twins. Mukerji S. J Indian Med Assoc 65(1):20–1, 1 Jul 75

Janiceps: a case of conjoined twins. Jackson MC, et al. J R Nav Med Serv 61(1):33–40, Spring 75

Epidemic of conjoined twins in Southern Africa? Bhettay E, et al. Lancet 2(7938):741–3, 18 Oct 75

Letter: Incidence of conjoined twinning. Hanson JW. Lancet 2(7947):1257, 20 Dec 75

Excessive Siamese twinning in Southern Africa. Nelson MM, et al. S Afr Med J 50(18):697–8, 24 Apr 76

[The conjoined Blažek sisters] Kabelík J. Cas Lek Cesk 114(41):1278–81, 10 Oct 75 (Cze)

[2-headed monsters. Apropos of a recent case] Bertsch M, et al. Pediatrie 31(5):473–86, Aug 76 (Eng. Abstr.) (Fre)

[Locked twins] Piura B, et al. Harefuah 90(2):71–4, 15 Jan 76 (Eng. Abstr.) (Heb)

[Remarkable accumulation of conjoined twins] Lakartidningen 13(13):1219, 24 Mar 76 (Swe)

DIAGNOSIS

Thoracoomphalopagus diagnosed before delivery. Chan DP. Med J Aust 1(14):480, 482–3, 3 Apr 76

PATHOLOGY

Craniopagus twins: surgical anatomy and embryology and their implications. O'Connell JE. J Neurol Neurosurg Psychiatry 39(1):1–22, Jan 76

SURGERY

Anaesthesia for separation of conjoined twins. Fournier L, et al. Can Anaesth Soc J 23(4):425–31, Jul 76

Editorial: Successful separation of craniopagus conjoined twins. Med J Aust 1(14):462–3, 3 Apr 76

[Anesthesia and resuscitation during surgical separation of 2 xiphopagi] Ton-Duc-Lang. Khirurgiia (Sofiia) 27(6):453–8, 1974 (Eng. Abstr.) (Bul)

[Letter: The separation of craniopagic twins] Duhamel B. Nouv Presse Med 4(24):1811, 14 Jun 75 (Fre)

TWINS, DIZYGOTIC see under **TWINS**

TWINS, MONOZYGOTIC see under **TWINS**

TYBAMATE

PHARMACODYNAMICS

[Internal and external stress and tybamate and secobarbital: an experimental investigation of their interactions (author's transl)] Lehmann E. Arzneim Forsch 26(6):1132–3, 1976 (Eng. Abstr.) (Ger)

TYLENCHOIDEA see under **NEMATODA**

TYLOSIN see under **ANTIBIOTICS**

TYMPANIC CAVITY see **EAR, MIDDLE**

TYMPANIC MEMBRANE

Mucociliary function of the eustachian tube: assessment by saccharin test in patients with dry perforations of the tympanic membrane. Elbrøond O, et al. Arch Otolaryngol 102(9):539–41, SEP 76

Open-ended tympanometric screening: A new concept. Lewis N, et al. Arch Otolaryngol 101(12):722–5, Dec 75

Hearing under stress: III. The effect of external auditory meatal pressure on speech discrimination. Whitehead GL, et al. Aviat Space Environ Med 47(3):308–9, Mar 76

Myringosclerosis: an offering of a new term. Doyle DE. Eye Ear Nose Throat Mon 54(10):399–400, Oct 75

Qualitative assessment of acoustical properties in preserved human tympanic membranes. Raghavan MV, et al. Indian J Med Res 63(7):954–60, Jul 75

Bullous myringitis. Mertz JS. J Kans Med Soc 77(1):24–5, Jan 76

Sudden deafness following chromic acid application to a perforation of the tympanic membrane. Taylor PH. J Laryngol Otol 89(10):1075–8, Oct 75

Etiologic factors in non-suppurative otitis media. Brookler KH. Laryngoscope 85(11 pt 1):1882–7, Nov 75

Tympanometric detection of middle ear effusion in infants and young children. Paradise JL, et al. Pediatrics 58(2):198–210, Aug 76

President's address. Tympanosclerosis Gibb AG. Proc R Soc Med 69(3):155–62, Mar 76

Effect of tympanic membrane perforations on air caloric response in monkeys. Kozie DW, et al. Trans Am Acad Ophthalmol Otolaryngol 82(2):203–9, Mar–Apr 76

Audiologic implications of transmission losses caused by tympanic membrane perforations in cats. Kruger B, et al. Trans Am Acad Ophthalmol Otolaryngol 82(3 pt 1):343–7, May–Jun 76

[Blocking of the anterior angle of the typanic membrane, a little appreciated cause of deafness] Martin H, et al. J Fr Otorhinolaryngol 24(9):723–4, Nov 75 (Fre)

INJURIES

On tubal function in presence of central perforation of drum in chronic otitis media. Clinical methods and preoperative analyses - 132 cases. Andréasson L, et al. Acta Otolaryngol (Stockh) 82(1–2):1–10, Jul–Aug 76

Central perforations–safe or unsafe? Rice DH. Arch Otolaryngol 101(10):626–7, Oct 75

Electron microscopic observations on the repair of perforated tympanic membranes in the guinea-pig. McMinn RM. J Anat 120(1):207–17, Sep 75

Aural problems in the armed services: otitic barotrauma and related conditions. King PF. Proc R Soc Med 68(12):817–8, Dec 75

[Rupture of the tympanic membrane during childbirth] Karakostov P, et al. Akush Ginekol (Sofiia) 13(6):498–9, 1974 (Bul)

[Swimming with perforated tympanic membrane?] van der Wal RJ. Ned Tijdschr Geneeskd 119(29):1153–5, 19 Jul 75 (Dut)

[Myringoplasty by stimulation of self-repair of the tympanic membrane] Hociotă D. Rev Chir [Otorinolaringol] 19(5):341–5, Oct–Dec 74 (Eng. Abstr.) (Rum)

[Rupture of the tympanic membrane as an accident in ear surgery] Hociotă D, et al. Rev Chir [Otorinolaringol] 20(4):259–62, Oct–Dec 75 (Eng. Abstr.) (Rum)

PATHOLOGY

Atelectasis and secretory otitis media. Sadé J, et al. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):66–72, Mar–Apr 76

The postero-superior quadrant. Dawes JD. J Laryngol Otol 88(10):955–67, Oct 74

President's address. Tympanosclerosis Gibb AG. Proc R Soc Med 69(3):155–62, Mar 76

PHYSIOLOGY

Methodologic observations on tympanometry with regard to the probe tone frequency. Colletti V. Acta Otolaryngol (Stockh) 80(1–2):54–60, Jul–Aug 75

Middle ear transmission losses caused by tympanic membrane perforations in cats. Tonndorf J, et al. Acta Otolaryngol (Stockh) 81(3–4):330–6, Mar–Apr 76

Eardrum displacement following stapedius muscle contraction. Yonovitz A, et al. Acta Otolaryngol (Stockh) 81(1–2):1–15, Jan–Feb 76

Effects of reflex middle-ear muscle contractions on cochlear responses to bone-conducted sound. Irvine DR. Audiology 15(5):433–44, Sep–Oct 76

Two-component versus admittance tympanometry. Van Camp KJ, et al. Audiology 15(2):120–7, 1976

Tympanometry in middle ear disease. Rees TS. J Fam Pract 3(1):81–5, Feb 76

Maintenance of a functional eardrum in tympanoplasty procedures. Glasscock ME 3d. Tex Med 72(2):55–60, Feb 76

[Electric activity of starling middle ear muscle] Oeckinghaus H, et al. Naturwissenschaften 62(12):582, Dec 75 (Ger)

[The use of the gradient method in the tympanometric measurements] Gryczyńska D. Otolaryngol Pol 30(2):155–8, 1976 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Tympanomety from 200 to 2000 Hz probe tone. Colletti V. Audiology 15(2):106–19, 1976

Evaluation of automatic screening tympanometry in the identification of middle ear pathology. Schwartz DM, et al. J Am Audiol Soc 1(6):276–9, May–Jun 76

Tympanometric curves and otosclerosis. Ivey RG. J Speech Hear Res 18(3):554–8, Sep 75

SURGERY

Myringostomy for middle ear effusions. Results of a two-year study. Birck HG, et al. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):263-7, Mar–Apr 76

Membrane ventilating tube for the middle ear. Cantekin EI, et al. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):270–6, Mar–Apr 76

Comparative study of various ventilating tubes. Crysdale WS. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):268–9, Mar–Apr 76

Clinical results and complications of tympanostomy. Kokko E, et al. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):277–9, Mar–Apr 76

Management of middle ear effusions in infants with cleft palate. Paradise JL. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):285–8, Mar–Apr 76

Mastoidectomy and epitympanotomy. Proud GO. et al. Ann Otol Rhinol Laryngol 85(2 Suppl 25 Pt 2):289–92, Mar–Apr 76

Bulla curettage for chronic otitis media and interna in dogs. Parker AJ, et al. J Am Vet Med Assoc 168(10):931–3, 15 May 76

[Exploratory tympanotomy in severe and profound deafness] Del Bo M. Rev Laryngol Otol Rhinol (Bord) 96(9–10):509–13, Sep–Oct 75 (Fre)

[Anesthesia of the tympanic membrane] Papšo S. Z Aerztl Fortbild (Jena) 69(19):1022–3, 1 Oct 75 (Ger)

[Cholesteatoma of the external auditory canal after tympanotomy] Abavi MZ. Vestn Otorinolaringol (1):85–6, Jan–Feb 74 (Rus)

[Plastic material used in tympanoplasty for restoration of the integrity of the tympanic membrane (a review of the literature)] Protasevich GS. Zh Ushn Nos Gorl Bolezn (5):109–14, Sep–Oct 75 (Rus)

TRANSPLANTATION

Biological considerations for the use of homograft tympanic membranes and ossicles. Kuijpers W, et al. Acta Otolaryngol (Stockh) 80(3–4):283–93, Sep–Oct 75

Homograft tympanic membrane myringoplasty. Brandow EC Jr. Arch Otolaryngol 102(8):473–7, Aug 76

Tympanomastoid reconstruction: an operative procedure for anatomical and functional restoration of the radicalized ear. Perkins R. Laryngoscope 86(3):416–30, Mar 76

Reconstruction of the middle ear and the posterior osseous wall of the auditory canal with homograft (reconstruction of old radical cavities). Betow C. Trans Am Acad Ophthalmol Otolaryngol 80(6):573–6, Nov–Dec 75

[Tympanic membrane implantation] Bleeker JD, et al. Ned Tijdschr Geneeskd 119(52):2099–100, 27 Dec 75 (Dut)

[Homografts of the tympano-ossicular systems. Technic of removal and preservation] Fombeur JP, et al. Ann Otolaryngol Chir Cervicofac 92(9):509–16, Sep 75 (Eng. Abstr.) (Fre)

[Surgical revision using tympano-ossicular homografts-observations and treatment] Cahali S, et al. Rev Laryngol Otol Rhinol (Bord) 96(11–12):704–10, Nov–Dec 75 (Eng. Abstr.) (Fre)

[Tympano-ossicular homografts] Cruz N, et al. Rev Laryngol Otol Rhinol (Bord) 96(11–12):601–2, Nov–Dec 75 (Eng. Abstr.) (Fre)

[Studies of the vestibular apparatus following surgery for hearing improvement using homografts] Bochenek Z, et al. Otolaryngol Pol 29(6):547–9, 1975 (Eng. Abstr.) (Pol)

TYMPANOPLASTY

Uptake and release of alcohol by homograft tissues in tympanoplasty. O'Conner AF, et al. Acta Otolaryngol (Stockh) 81(3–4):300–3, Mar–Apr 76

Tympanoplasty of the radical operated middle ear. Kupperman R. Acta Otorhinolaryngol Belg 29(5):795–801, 1975

Multidirectional tomography in reconstructive middle ear surgery. Wilbrand HF, et al. Acta Radiol [Diagn] (Stockh) 16(5):436–48, Sep 75

Labyrinthine fistula and tympanoplasty. Szpunar J. Ann Otol Rhinol Laryngol 85(2 pt.1):291–8, Mar–Apr 76

Postoperative cholesteatoma in combined approach tympanoplasty. Fifteen year report on tympanoplasty. Part I. Smyth GD. J Laryngol Otol 90(7):597–621, Jul 76

Tympanoplasty on only hearing ears. Tos M, et al. J Laryngol Otol 89(10):1057–64, Oct 75

Ear disease in Western Canadian natives with a note on treatment by tympanoplasty. Lupin AJ. J Otolaryngol 5(2):116–21, Apr 76

Symposium: Contraindications to tympanoplasty. I. Absolute and relative contraindications. Bailey HA Jr. Laryngoscope 86(1):67–9,

Symposium: contraindications to tympanoplasty. II. An exercise in clinical judgment. Glasscock ME 3d. Laryngoscope 86(1):70–6, Jan 76

Self-stabilizing proplast total ossicular replacement prosthesis in tympanoplasty. Janeke JB, et al. Laryngoscope 85(9):1550–6, Sep 75

Symposium: contraindications to tympanoplasty. III. Contraindications for tympanoplasty. Parsons RC. Laryngoscope 86(1):77–8,

Symposium: contraindications to tympanoplasty. IV. Contraindications to tympanoplasty. Storrs LA. Laryngoscope 86(1):79–83, Jan 76

Symposium: contraindications to tympanoplasty. Taylor GD. Laryngoscope 86(1):64–6, Jan 76

Proccedings: Necessity of staging in the combined tympanoplasty in cholesteatoma. Bottema T. ORL 37(6):358, 1975

Microclip application in tympanoplasty. Williams JD. Trans Pac Coast Otoophthalmol Soc 56:167–74, 1975

[Therapeutic study of hexanoic acid in tympanoplasties] Charachon R, et al. J Fr Otorhinolaryngol 24(5):401–2, May 75 (Fre)

[Connective tissue-silicone foils-tympanoplastics in cases of adhesive processes of the middle ear (author's transl)] Stange G. Arch Otorhinolaryngol (NY) 211(3):163–71, 15 Jul 75 (Eng. Abstr.) (Ger)

[Postoperative estimation of stapes- and tympanoplastics by pressure evoked threshold shift (author's transl)] Opitz HJ, et al. Laryngol Rhinol Otol (Stuttg) 54(6):477–85, Jun 75 (Eng. Abstr.) (Ger)

[Histological studies of the healing of chronically inflamed middle ear mucosa after tympanoplasty (author's transl)] Schöndorf J. Z Laryngol Rhinol Otol 53(1):33–44, Jan 74 (Eng. Abstr.) (Ger)

[Long term follow-up study on tympanoplasty--observations of cases operated in 10 years (1963–1972) in the Dept. of Otolaryngology, Okayama University (author's transl)] Konishi S, et al. J Otolaryngol Jpn 79(2):121–32, Feb 76 (Eng. Abstr.) (Jpn)

[Bandaging in otological functional surgery] Hociotă D, et al. Rev Chir [Otorinolaringol] 21(1):23–8, Jan–Mar 76 (Eng.

Abstr.) (Rum)

[Characteristics of bony tissue regeneration of the incus in its interposition (experimental study. III)] Boiarskii GF. **Zh Ushn Nos Gorl Bolezn** (5):39–43, Sep–Oct 75 (Eng. Abstr.) (Rus)

[Phenomenon of 'traumatic decussation' following sparing tympanoplasty in patients with chronic mesotympanitis] Protasevich GS. **Zh Ushn Nos Gorl Bolezn** (2):56–8, Mar–Apr 76 (Eng. Abstr.) (Rus)

[Prognosis of tympanoplasty in patients with severe functional disorders of the auditory tube according to data of the aspiration method] Sushko IuA, et al. **Zh Ushn Nos Gorl Bolezn** (2):59–61, Mar–Apr 76 (Eng. Abstr.) (Rus)

[Sequestration of the cochlea following radical surgery with tympanoplasty] Trutnev MG. **Zh Ushn Nos Gorl Bolezn** (2):105–6, Mar–Apr 76 (Rus)

[Critical review of tympanoplasty as a method of surgical treatment in chronic inflammations of the middle ear] Savić D, et al. **Med Pregl** 29(7–8):353–6, 1976 (Ser)

ADVERSE EFFECTS

Necrosis of the long process of the incus: A complication of tympanoplasty. Pahor AL. **Eye Ear Nose Throat Mon** 55(4):128–30, Apr 76

INSTRUMENTATION

[Influence on cochlear function of teflon films inserted in the tympanic cavity in tympanoplasty] Iashan IA. **Zh Ushn Nos Gorl Bolezn** (2):53–6, Mar–Apr 76 (Eng. Abstr.) (Rus)

METHODS

Tympanoplasty type III—cavum major technique. Department of Otolaryngology, Third People's Hospital of Shanghai, Second Medical College, Shanghai. **Chin Med J [Engl]** 1(2):139–47, Mar 75

Tympanic reconstruction. Fifteen year report on tympanoplasty. Part II. Smyth GD. **J Laryngol Otol** 90(8):713–41, Aug 76 (54 ref.)

Reconstructive surgery in chronic otitis media. Statistical analysis of long-term results. Pfaltz CR, et al. **ORL** 37(5):257–70, 1975

Personal experience with tympanoplasty in children. Sekula J, et al. **ORL** 38(1):19–25, 1976

Maintenance of a functional eardrum in tympanoplasty procedures. Glasscock ME 3d. **Tex Med** 72(2):55–60, Feb 76

Reconstruction of the middle ear and the posterior osseous wall of the auditory canal with homograft (reconstruction of old radical cavities). Betow C. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):573–6, Nov–Dec 75

The versatile Heermann incision. Keller AP Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):560–4, Nov–Dec 75

Formaldehyde-formed autogenous fascia graft tympanoplasty. Perkins R. **Trans Am Acad Ophthalmol Otolaryngol** 80(6):565–72, Nov–Dec 75

[Salvage tympanoplasties] Charachon R, et al. **J Fr Otorhinolaryngol** 24(10):781–6, Dec 75 (Fre)

[Treatment of cholesteatoma of the middle ear by closed 2-stage tympanoplasty] Charachon R, et al. **J Fr Otorhinolaryngol** 24(7):493–6, 499–501, Sep 75 (Fre)

[Personal procedure in tympanoplasty] Willems A. **J Fr Otorhinolaryngol** 24(8):601–4, Oct 75 (Fre)

[Functional surgery of the ear (tympanoplasty and surgery for otosclerosis)] Perret P. **Rev Med Suisse Romande** 95(10):777–82, Oct 75 (Fre)

[Tympanoplasty with malleus outside the graft] Segal E, et al. **Harefuah** 89(10):451–3, 16 Nov 75 (Eng. Abstr.) (Heb)

[Tympanoplasty] Honda Y. **J Otolaryngol Jpn** 79(2):251–4, Feb 76 (Jpn)

[Anatomical and functional results of closed tympanoplasty in patients operated on at the Department of Laryngology of the Medical Academy in Łódź] Makowski B. **Otolaryngol Pol** 29(6):599–603, 1975 (Eng. Abstr.) (Pol)

[Certain characteristics of reconstruction of the transformation mechanism in tympanoplasty type III] Gol'dman II. **Vestn Otorinolaringol** (1):30–2, Jan–Feb 76 (Eng. Abstr.) (Rus)

[Therapeutic tactics in patients with chronic purulent normarginal mesotympanitis] Mishen'kin NV, et al. **Vestn Otorinolaringol** (5):23–7, Sept–Oct 1974 (Eng. Abstr.) (Rus)

[Osteoplastic reconstruction in tympanoplasty] Mishen'kin NV. **Vestn Otorinolaringol** (4):33–7, Jul–Aug 75 (Eng. Abstr.) (Rus)

[Use of siloxan during tympanoplasty in patients with epidermal layer on the walls of the tympanic cavity] Bordanova TV, et al. **Zh Ushn Nos Gorl Bolezn** (3):80–3, May–Jun 75 (Rus)

[Plastic material used in tympanoplasty for restoration of the integrity of the tympanic membrane (a review of the literature)] Protasevich GS. **Zh Ushn Nos Gorl Bolezn** (5):109–14, Sep–Oct 75 (Rus)

TYMPANUM see **EAR, MIDDLE**

TYPHOID

Typhoid fever. Public health aspects. Saslaw MS, et al. **Am J Public Health** 65(11):1184–91, Nov 75

Chronic chest wall sinus: an unusual presentation of typhoid. Goldwater PN, et al. **NZ Med J** 83(558):116–7, 25 Feb 76

[Elements of pathomorphism in typhoid fever] Vasilescu I, et al. **Rev Ig [Bacteriol]** 19(5):383–6, Oct–Dec 74 (Eng. Abstr.) (Rum)

[Typhoid fever and Salmonella gastroenteritis in children (author's transl)] Hawkins Carranza F, et al. **An Esp Pediatr** 8(6):663–9, Nov–Dec 75 (Eng. Abstr.) (Spa)

BLOOD

Endotoxemia in typhoid encephalopathy. Nag AK, et al. **Indian J Med Res** 63(9):1273–9, Sep 75

Sequential changes in the concentration of specific serum proteins during typhoid fever infection in man. Bostian KA, et al. **J Lab Clin Med** 87(4):577–85, Apr 76

COMPLICATIONS

Fatal intravascular consumption coagulopathy in typhoid fever. Basty H. **Acta Med Iran** 17(3–4):131–9, Dec 74

Letter: Immune-complex disease in typhoid and paratyphoid fevers. Farid Z, et al. **Ann Intern Med** 83(3):432, Sep 75

Enteric perforation in typhoid fever: a study of 15 cases. Singh J, et al. **Aust NZ J Surg** 45(3):279–84, Aug 75

Typhoid ileal perforations: why such mortalities? Archampong EQ. **Br J Surg** 63(4):317–21, Apr 76

The relationship between bilharziasis and typhoid fever employing the Widal test as a screening procedure. Franco MM, et al. **Cent Afr J Med** 22(3):47–50, Mar 76

Haemolytic uraemic syndrome. Report of a case of thrombotic microangiopathy. Chawhan RN, et al. **Indian J Pediatr** 42(328):136–40, May 75

Letter: Enteric encephalopathy. Midha R, et al. **Indian Pediatr** 12(4):365, Apr 75

Salmonella liver abscess (a case report). Rajaram R, et al. **J Assoc Physicians India** 23(9):587–8, Sep 75

Typhoid perforation treated by closure and proximal side to side ileotransverse colostomy. Prasad PB, et al. **J Indian Med Assoc** 65(11):297–9, 1 Dec 75

Glucose-6-phosphate dehydrogenase deficiency in Thai children with typhoid fever. Lampe RM, et al. **J Pediatr** 87(4):576–8, Oct 75

Typhoid fever with hepatitis. Le-Van-Diem, et al. **J Trop Med Hyg** 79(2):25–7, Feb 76

Pancreatitis complicating typhoid fever. Report of a case. Russell IJ, et al. **JAMA** 235(7):753–4, 16 Feb 76

Salmonella typhi meningitis. A case report and family investigations. Chye GH, et al. **Med J Malaysia** 30(3):219–22, Mar 75

Typhoid polymyositis. Naidoo PM, et al. **S Afr Med J** 49(47):1975–6, 8 Nov 75

[Carotid obstruction during typhoid] Putz D, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):221–6, 1974 (Eng. Abstr.) (Fre)

[Letter: Liver involvement during typhoid fever] Laudet J, et al. **Nouv Presse Med** 5(23):1489–90, 5 Jun 76 (Fre)

[Hemolytic anemia and typho-paratyphoid infection] Manios SG, et al. **Pediatrie** 31(4):381–7, Jun–Jul 76 (Eng. Abstr.) (Fre)

[Atypical aspects of typhoid fever occurring in patients with hepatosplenic schistosomiasis. Study of 29 cases] Ferreira JM, et al. **Rev Inst Med Trop Sao Paulo** 17(6):368–79, Nov–Dec 75 (Eng. Abstr.) (Por)

[Fuctional-metabolic disorders in typhoid infection] Dragomirescu M, et al. **Rev Ig [Bacteriol]** 21(2):95–8, Apr–Jun 76 (Eng. Abstr.) (Rum)

[Recurrent perforation of typhoid ulcers of the small intestine] Mun NV, et al. **Sov Med** (8):146–7, Aug 75 (Rus)

[Recurrent perforations caused by typhoid fever] Miguel Velasco JE, et al. **Rev Esp Enferm Apar Dig** 46(6):685–92, Dec 75 (Spa)

DIAGNOSIS

Study of the pattern of Widal test in infants and children. I. Pattern of Widal test among apparently normal infants and children. Hassanein F, et al. **Gaz Egypt Paediatr Assoc** 23(2):167–72, Apr 75

Study of the pattern of Widal test in infants and children; II. Pattern of Widal test in children with enteric fevers. An attempt to define the diagnostic titer for upper Egypt. Hassanein F, et al. **Gaz Egypt Paediatr Assoc** 23(2):173–80, Apr 75

Study of the pattern of Widal test in infants and children. III. Effect of T.A.B., diphtheria tetanus, pertussis and measles vaccinations on the level of enteric fever agglutinins. Hassanein F, et al. **Gaz Egypt Paediatr Assoc** 23(2):181–7, Apr 75

Editorial: Tracking down Salmonella typhi. Varisrub S. **JAMA** 233(11):1196, 15 Sep 75

Letter: Typhoid fever. Dodge JS. **NZ Med J** 83(561):243, 14 Apr 76

[Scintigraphic image of the spleen in tropical and infectious diseases] Da Rocha AF, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:693–5, 1975 (Fre)

[Acute febrile acquired toxoplasmosis of typhoid type in healthy adults] Manigand G, et al. **Sem Hop Paris** 51(17):1181–4, 8 Apr 75 (Fre)

[Clinical course of typhoid in the Heidelberg region (author's transl)] Kredel L, et al. **Dtsch Med Wochenschr** 100(43):2209–13, 24 Oct 75 (Eng. Abstr.) (Ger)

[Clinical aspects, diagnosis and treatment of typhoid and paratyphoid A and B] Kazantsev AP. **Voen Med Zh** (7):42–6, Jul 75 (0 ref.) (Rus)

[Utilization of a solid nutrient medium for the serological method of detecting the causative agent of typhoid in patients' feces] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):68–71, Sep 75 (Eng. Abstr.) (Rus)

DRUG THERAPY

Amoxycillin in the treatment of typhoid fever in children. Scragg JN, et al. **Am J Trop Med Hyg** 24(5):860–5, Sep 75

Oxolinic acid in the treatment of typhoid fever due to chloramphenicol-resistant strains of Salmonella typhi. Sanford JP, et al. **Antimicrob Agents Chemother** 9(3):387–92, Mar 76

Mecillinam: a new antibiotic for enteric fever. Clarke PD, et al. **Br Med J** 2(6026):14–5, 3 Jul 76

Drug trial in enteric fever with furazolidone. Ananthasubramanian P, et al. **Indian Pediatr** 12(3):247–53, Mar 75

Comparative study of the efficacy of chloramphenicol and a ombination of chloramphenicol, broxyquinoline and brobanzoxaldine in the treatment of enteric fever. Edibam BM. **Indian Pediatr** 12(7):587–91, Jul 75

Treatment and follow-up studies with co-trimoxazole in enteric fever and in typhoid carriers. Geddes AM, et al. **J Antimicrob Chemother** 1(1):51–4, Mar 75

Comparative clinical trial of co-trimoxazole, furazolidone and chloramphenicol in enteric fever. Samantaray SK, et al. **J Assoc Physicians India** 23(9):577–83, Sep 75

Efficacy and toxicity of trimethoprimsulfamethoxazole in typhoid fever. Shah CP, et al. **J Assoc Physicians India** 23(5):317–20, May 75

Antibiotics and the Aberdeen typhoid outbreak in 1964. Brodie J. **J Hyg (Camb)** 76(2):191–203, Apr 76

Treatment of chronic enteric fever with amoxicillin. Farid Z, et al. **J Infect Dis** 132(6):698–701, Dec 75

Comparison of trimethoprim-sulfamethoxazole and amoxicillin in therapy of chloramphenicol-resistant and chloramphenicol-sensitive typhoid fever. Gilman RH, et al. **J Infect Dis** 132(6):630–6, Dec 75

Trimethoprim-sulphamethoxazole in the treatment of enteric fever. Ali Omer MI. **J Trop Med Hyg** 78(7):162–6, Jul 75

Letter: Amoxycillin in typhoid fever. Farid Z, et al. **Lancet** 2(7941):928, 8 Nov 75

Comparative trial of amoxycillin and chloramphenicol in treatment of typhoid fever in adults. Pillay N, et al. **Lancet** 2(7930):333–4, 23 Aug 75

Letter: Antibiotic-resistant typhoid in Indonesia. Sanborn WR, et al. **Lancet** 2(7931):408–9, 30 Aug 75

Co-trimoxazole compared to chloramphenicol in the treatment of enteric fever. Uwaydah M, et al. **Scand J Infect Dis** 7(2):123–6, 1975

The treatment of typhoid and paratyphoid fevers with co-trimoxazole in a comparative trial with chloramphenicol. Jonsson M. **Scand J Infect Dis [Suppl]** (8):81–4, 1976

Prospects of conservative treatment of typhoid bacilli carriers. Walter T. **Zentralbl Bakteriol [Orig A]** 230(1):139–40, Jan 75

[Therapeutic effect of sulfobenzyl-penicillin (SB-PC) on the concentration of SB-PC in human bile (author's transl)] Takahira Y, et al. **Jpn J Antibiot** 28(6):778–84, Dec 75 (Eng. Abstr.) (Jpn)

[Treatment of carriers of typhoid and paratyphoid B bacilli] Kassur B, et al. **Przegl Epidemiol** 29(3):301–7, 1975 (Eng. Abstr.) (Pol)

[Effectiveness of treatment of typhoid-paratyphoid bacterial carrier state with high doses of penicillin] Kondratenko GP, et al. **Vrach Delo** (2):133–7, Feb 74 (Rus)

[Treatment of typhoid and paratyphoid fever with amoxicillin (author's transl)] Frick P, et al. **Rev Med Chil** 103(9):613–4, Sep 75 (Eng. Abstr.) (Spa)

[Typhoid fever due to Salmonella typhi resistant to chloramphenicol. First cases in Chile (author's transl)] Virgilio R, et al. **Rev Med Chil** 103(11):737–9, Nov 75 (Eng. Abstr.) (Spa)

ENZYMOLOGY

[Enzymatic activity of the leukocytes and the prognosis for longevity in a fatal typhous infection in mice] Katosova LK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):132–3, Oct 75 (Rus)

ETIOLOGY

[Paratyphoid epidemic due to a damage in the drinking water system] Bender U. **Z Gesamte Hyg** 21(10):778–82, Oct 75 (Eng. Abstr.) (Ger)

HISTORY

Letter: Excitement of international sanitary conferences. Howard-Jones N. **Med J Aust** 1(10):322–3, 6 Mar 76

Centenary of the discovery of the typhoid bacillus by Tadeusz Browiez. Wajs S. **Pol Med Sci Hist Bull** 15(5–6):519–23, Sep–Dec 75

IMMUNOLOGY

Reactions and serologic responses to monovalent acetone–inactivated typhoid vaccine and heat–killed TAB when given by jet injection. Edwards EA, et al. **Bull WHO** 51(5):501–5, 1974

Vi antigen from Salmonella typhosa and immunity against typhoid fever. 11. Safety and antigenicity in humans. Levin DM, et al. **Infect Immun** 12(6):1290–4, Dec 75

Attenuated, streptomycin–dependent Salmonella typhi oral vaccine: potential deleterious effects of lyophilization. Levine MM, et al. **J Infect Dis** 133(4):424–9, Apr 76

Changes in isoagglutinin titres following non–specific immunological stimuli. Shekatkar AB, et al. **J Postgrad Med** 21(1):30–5, Jan 75

Cellular inflammatory responses to killed salmonella typhosa in typhoid fever patients. Magliulo E, et al. **Riv Emoter Immunoematol** 22(5–6):121–8, 1975

Typhoid alarm on board a container ship. Ng TK. **Trop Doct** 6(2):56–9, Apr 76

Investigation of the role of Vi antibodies and antibodies of IgA type in the low specific bactericidal activity of the serum in typhoid carriers. Karolček J, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):247–51, Jul 75

[Immunity and typhoid fever] Bezian JH. **Maroc Med** 55(588):154–9, Mar 75 **(Fre)**

[Studies on the relation between the production of anti–O and anti–H agglutinins and the specific treatment of typhoid fever] Ferlazzo B, et al. **Ann Sclavo** 17(6):803–16, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Clinico–immunological mechanisms in typhoid and formation of bacteria carrier state] Bunin KV, et al. **Klin Med (Mosk)** 53(2):3–10, Feb 75 (Eng. Abstr.) **(Rus)**

[Quantitative determination of specific immunoglobulins in the serum of bacterial carriers of abdominal typhus] Bilibin AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):42–5, Feb 76 (Eng. Abstr.) **(Rus)**

[The quantity of immunoglobulins (A, G, M) in different forms of typhoid fever] Lashin VIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):75–8, May 76 (Eng. Abstr.) **(Rus)**

[A comparative study of serum H–antibodies in typhoid patients and bacteria carriers] Sukhoroslova LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):79–81, May 76 (Eng. Abstr.) **(Rus)**

[Serum H–antibody indices based on indirect hemagglutination reaction data in typhoid patients, convalescents and bacterial carriers] Venknevich BK. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):133–4, Sep 75 **(Rus)**

[Immunity induced with ribosomal fractions obtained from S. typhi T and 2 against different strains of S. typhi] Molinari JL, et al. **Rev Lat Am Microbiol** 17(3):150–6, Jul–Sep 75 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Characteristics of lipopolysaccharides of Salmonella typhi isolated from carriers and patients suffering from typhoid fever. Strýcková T, et al. **Folia Microbiol (Praha)** 21(1):21–7, 1976

Duodenal isolation of Salmonella typhi by string capsule in acute typhoid fever. Gilman RH, et al. **J Clin Microbiol** 3(4):456–7, Apr 76

[Results and prospects of a study of the bacterial carrier state in typhoid] Bilibin AF, et al. **Vestn Akad Med Nauk SSSR** (2):53–9, 1975 (Eng. Abstr.) **(Rus)**

[Study of the process of interaction of the causative agent with the cells of the body and with a macrophage culture in experimental typhoid infection and carrier state] Barshtein IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):83–8, Oct 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Waterborne typhoid fever in Dade County, Florida. Clinical and therapeutic evaluation of 105 bacteremic patients. Hoffman TA, et al. **Am J Med** 59(4):481–7, Oct 75

Enteric fever in Scotland, 1967–1974. Sharp JC, et al. **J Hyg (Camb)** 76(1):83–9, Feb 76

Editorial: Typhoid and paratyphoid fevers. **Med J Aust** 1(19):686, 8 May 76

Some observations of the typhoid outbreak in Sungai Padang, Perlis. Singh N, et al. **Med J Malaysia** 30(2):93–7, Dec 75

Typhoid fever in children. Colon AR, et al. **Pediatrics** 56(4):606–9, Oct 75

Editorial: The typhoid menace. **Singapore Med J** 17(1):1, Mar 76

Enteric fever surveillance in Singapore. Koh TS, et al. **Singapore Med J** 17(1):32–7, Mar 76

Typhoid fever in Lagos—Nigeria. Elegbeleye OO. **West Indian Med J** 25(1):39–42, Mar 76

[Infectious diseases: monthly or four–weekly number of reported cases, 1974 and 1975] **World Health Stat Rep** 29(1):2–20, 1976 **(Eng, Fre)**

[Epidemiological aspects of typhoid fever in the Cap Bon region (Tunisia)] Stroobant A, et al. **Ann Soc Belg Med Trop** 55(6):623–32, 1975 (Eng. Abstr.) **(Fre)**

[Distribution of Salmonella typhi lysotypes in Iran (1970–1974)] Vieu JF, et al. **Bull Soc Pathol Exot** 68(2):171–4, Mar–Apr 75 **(Fre)**

[Typhoid fever in south Vietnam to day (author's transl)] Meyruey MH, et al. **Rev Epidemiol Med Soc Sante Publique** 23(6):345–58, Sep 75 (Eng. Abstr.) **(Fre)**

[Epidemiology and prevention of abdominal typhus] Hompesch H. **Med Welt** 27(23):1144–50, 4 Jun 76 **(Ger)**

[Epidemiology, symptoms and diagnosis of the typhoid fever infections at Göttingen (Federal Republic of Germany) 1974 (author's transl)] Ansorg R, et al. **Oeff Gesundheitswes** 38(8):483–6, Aug 76 (Eng. Abstr.) **(Ger)**

[Incidence of typhoid fever and viral hepatitis in the city of Rome. Modifications observed in relation to the Italian cholera epidemic] Bellante de Martiis G, et al. **Nuovi Ann Ig Microbiol** 26(5):279–95, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Epidemilogical study of typhoid originating at a seasonal hotel] **J Jpn Assoc Infect Dis** 49(6):258–62, Jun 75 **(Jpn)**

[Report on management of typhoid and paratyphoid fevers; result of phage–typing of the isolates and epidemiological studies in 1974] **J Jpn Assoc Infect Dis** 50(2):59–66, Feb 76 **(Jpn)**

[Typhoid and paratyphoid fevers] Gonera E. **Przegl Epidemiol** 30(1):83–6, 1976 **(Pol)**

[Experience in the study of the epidemiology and prevention of intestinal infections under conditions of the extreme north of western Siberia] Mefod'ev VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):15–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Epidemic of chloramphenicol resistant Salmonella typhi. A cultural factor involved in a Mexican locality] Cortés AG, et al. **Rev Invest Salud Publica** 35(1):67–75, Jan–Mar 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Letter: Typhoidal cells. Macias EG. **Lancet** 2(7941):927–8, 8 Nov 75

Dialogue: fever and abdominal mass. **Postgrad Med** 59(5):275–8, May 76

PHYSIOPATHOLOGY

Proceedings: Course of changes in the EEG profile in typhoid patients. Lanzinger G, et al. **Electroencephalogr Clin Neurophysiol** 39(5):537, Nov 75

Gastrointestinal phenomena in childhood typhoid fever. Colon AR. **South Med J** 69(7):914, Jul 76

PREVENTION & CONTROL

Controlled field trial on the effectiveness of one and two doses of acetone–inactivated and dried typhoid vaccine. Tapa S, et al. **Bull WHO** 52(1):75–80, 1975

Controlled field trial of a typhoid vaccine prepared with a nonmotile mutant of Salmonella typhi Ty2. Wahdan MH, et al. **Bull WHO** 52(1):69–73, 1975

Controlled field trials of three different oral killed typhoid vaccines in India. Chuttani CS. **Dev Biol Stand** 33:98–101, 1976

Vaccination against typhoid fever with a live oral vaccine. Germanier R. **Dev Biol Stand** 33:85–8, 1976

IV. Prospects for polysaccharide vaccines for other encapsulated bacteria. Immunization against typhoid fever and prospects for a purified polysaccharide vaccine. pp. 109–14. Wong KH, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.

Experimental model of oral antityphoid vaccination with live streptomycin–dependent Salmonella typhimurium in C57BL/6 mice. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):215–8, Oct 75

Control of enteric fever. Cvjetanovic B. **Singapore Med J** 17(1):38–9, Mar 76

[Report on management typhoid and paratyphoid fevers: analysis of punched cards filed during 1970–72] **J Jpn Assoc Infect Dis** 50(2):52–8, Feb 76 **(Jpn)**

[Present status and perspectives of the specific prevention of typhoid fever] Ioo I. **Vestn Akad Med Nauk SSSR** (4):73–84, 1975 (151 ref.) **(Rus)**

[Trial of the new chemical sorbed typhoid monovaccine P in a strictly controlled experiment] Karpukhin GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):81–6, 1976 (Eng. Abstr.) **(Rus)**

[New laboratory test for the study of post–vaccination immunity and evaluation of the protective capacity of intestinal typhus vaccines] Levina LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):40–3, Apr 75 (Eng. Abstr.) **(Rus)**

[Live enteric typhoid vaccine consisting of a Vi–negative double–dependent mutant of S. typhi and a Vi–positive strain of Citrobacter] Pershin BB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):35–40, Jan 76 (Eng. Abstr.) **(Rus)**

[Immunologic reactions in man following oral immunization] Pershin BB. **Zh Mikrobiol Epidemiol Immunobiol** (3):56–9, Apr 76 (Eng. Abstr.) **(Rus)**

[Further research on an experimental justification for the emergency prophylaxis of typhoid] Zemskov AM. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):59–63, Sep 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Roentgenographic findings in typhoid fever. Kabakian HA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):198–206, Sep 75

SURGERY

Abdominal typhoid peritonitis. Dotsenko AP, et al. **Ethiop Med J** 13:71–5, Apr 75

Operative management of typhoid perforation in children. Kaul BK. **Int Surg** 60(8):407–10, Aug 75

THERAPY

The management of typhoid fever. Chan AC, et al. **Trop Doct** 6(2):53–5, Apr 76

TRANSMISSION

[Non–imported abdominal typhus] Bijkerk H, et al. **Ned Tijdschr Geneeskd** 119(71):1571–4, 11 Oct 75 (Eng. Abstr.) **(Dut)**

[Outbreak of typhoid among laboratory animals] Gadzhiev KSh. **Veterinariia** (4):65, Apr 76 **(Rus)**

TYPHOID–PARATYPHOID VACCINES

Controlled field trial on the effectiveness of one and two doses of acetone–inactivated and dried typhoid vaccine. Tapa S, et al. **Bull WHO** 52(1):75–80, 1975

Controlled field trial of a typhoid vaccine prepared with a nonmotile mutant of Salmonella typhi Ty2. Wahdan MH, et al. **Bull WHO** 52(1):69–73, 1975

IV. Prospects for polysaccharide vaccines for other encapsulated bacteria. Immunization against typhoid fever and prospects for a purified polysaccharide vaccine. pp. 109–14. Wong KH, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.

[Effect of levamisole on the production of antibodies after vaccination with TAB] Lods JC, et al. **Nouv Presse Med** 4(24):1809–10, 14 Jun 75 **(Fre)**

[Effectiveness of the vaccine of Vi–antigen of Salmonella typhosa in children and adolescents] D'iachenko PN, et al. **Zdravookhr Kirg** (5):49–53, Sep–Oct 75 **(Rus)**

[Construction of new types of chemical vaccines for the prevention of intestinal infections, and their qualitative assessment. IV. Physical properties and immunological characteristics of the experimental series of chemical vaccines presented for comparative study] Andrievskaia RA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):24–30, Jul 75 (Eng. Abstr.) **(Rus)**

[Trial of the new chemical sorbed typhoid monovaccine P in a strictly controlled experiment] Karpukhin GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):81–6, 1976 (Eng. Abstr.) **(Rus)**

[Live enteric typhoid vaccine consisting of a Vi–negative double–dependent mutant of S. typhi and a Vi–positive strain of Citrobacter] Pershin BB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):35–40, Jan 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Reactions and serologic responses to monovalent acetone–inactivated typhoid vaccine and heat–killed TAB when given by jet injection. Edwards EA, et al. **Bull WHO** 51(5):501–5, 1974

Field trials with killed oral typhoid vaccines. Borgoño JM, et al. **Dev Biol Stand** 33:80–4, 1976

Controlled field trials of three different oral killed typhoid vaccines in India. Chuttani CS. **Dev Biol Stand** 33:98–101, 1976

Vaccination against typhoid fever with a live oral vaccine. Germanier R. **Dev Biol Stand** 33:85–8, 1976

Controlled field trials of killed oral typhoid and paratyphoid B vaccines and cell–free, chemical aerosol typhoid vaccine. Hejfec LB, et al. **Dev Biol Stand** 33:93–7, 1976

Efficacy of a live oral typhoid vaccine in human volunteers. Hornick RB, et al. **Dev Biol Stand** 33:89–92, 1976

Evaluation of immune response to single dose schedule of TAB vaccine. Gnanadesikan S, et al. **Indian J Med Res** 63(11):1577–82, Nov 75

Trial of prototype hypospray jet injector for TAB inoculation. Vadhera KK, et al. **Indian J Public Health** 19(2):90–5, Apr–Jun 75

T– and B–areas in immune reactions. Volume changes in T and B cell compartments of the rat spleen following intravenous administration of a thymus–dependent (SRBC) and a thymus–independent (paratyphoid vaccin–endotoxin) antigen. A histometric study. Veerman AJ, et al. **Z Immunitaetsforsch** 151(3):202–18, Apr 76

[Protective action of a killed antityphoid vaccine, administered orally] Popovici M, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):21–6, Jan–Jun 75 (Eng. Abstr.) **(Fre)**

[Findings concerning characteristics of responses to administration of vaccines containing antigenic complexes of enteric bacteria and tetanus toxoid] Kreinin LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):18–23, Apr 76 (Eng. Abstr.) **(Rus)**

[Active protection of mice against paratyphoid A and B using oral and subcutaneous immunization] Pershin BB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):118–20, Nov 75 **(Rus)**

[Immunologic reactions in man following oral immunization] Pershin BB. **Zh Mikrobiol Epidemiol Immunobiol** (3):56–9, Apr 76 (Eng. Abstr.) **(Rus)**

[Morphological changes in the thymus against a background of immunization with bacterial and viral vaccines] Tegicheva IE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):135–6, May 75 **(Rus)**

ADVERSE EFFECTS

Lesions in lymphoreticular tissue in animals immunized with typhoid vaccine in the neonatal period. Zoltowska A. **Arch Immunol Ther Exp (Warsz)** 23(5):651–64, 1975

ANALYSIS

[Design of new types of chemical vaccines for the prevention of intestinal infections and problems of their qualitative evaluation. Report 2. Immunochemical characteristics of the experimental preparations] Vasil'eva TG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):29–34, Apr 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Effect of prednisone and typhoid vaccine on the size of systemic neutrophil granulocyte pool] Wysocki H, et al. **Acta Haematol Pol** 7(2):123–8, 1976 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of the immunological activity of new typhoid vaccines with established prophylactic effectiveness (data from a controlled experiment)] Kovalevskaia IL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):63–8, Sep 75 (Eng. Abstr.) **(Rus)**

[Comparative characterisitic of changes in the adrenals against a background of immunization with viral and bacterial antigens] Tikhonova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):89–91, Dec 75 (Eng. Abstr.) **(Rus)**

STANDARDS

Vi antigen from Salmonella typhosa and immunity against typhoid fever. 11. Safety and antigenicity in humans. Levin DM, et al. **Infect Immun** 12(6):1290–4, Dec 75

[New laboratory test for the study of post-vaccination immunity and evaluation of the protective capacity of intestinal typhus vaccines] Levina LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):40–3, Apr 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Ineffectiveness of Vi and chemically treated endotoxins as typhoid vaccines in mice challenged with a Salmonella typhosa–Salmonella typhimurium hybrid. Diena BB, et al. **Infect Immun** 12(6):1470–1, Dec 75

TYPHUS

COMPLICATIONS

[An unusual case of the Brill–Zinsser disease (author's transl)] Zambeli M. **Liiec Vjesn** 98(1):27–9, Jan 76 (Eng. Abstr.) **(Cro)**

[Letter: Paralysis agitans] Poeck K. **Dtsch Med Wochenschr** 101(28):1077, 9 Jul 76 **(Ger)**

[The mental situation of chronic typhus and paratyphus carriers] Fiedler K, et al. **Z Aerztl Fortbild (Jena)** 70(9):503–6, 1 May 76 **(Ger)**

[Lasting defects and changes in the system folling epidemic typhus (author's transl)] Fejkiel W. **Przegl Lek** 32(8):668–71, 1975 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Data on the use of serological tests for differentiation of exanthematous typhus primary infection from that of recurrences in native cases of Brill–Zinsser disease] Crăcea E, et al. **Rev Ig [Bacteriol]** 20(1):47–53, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Experimental latent typhus] Iablonskaia VA. **Zh Mikrobiol Epidemiol Immunobiol** (3):65–70, 1976 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of louse-borne typhus fever with chloramphenicol, tetracycline or doxycycline. Krause DW, et al. **East Afr Med J** 52(8):421–7, Aug 75

Single-dose doxycycline treatment of louse-borne relapsing fever and epidemic typhus. Perine PL, et al. **Lancet** 2(7883):742–4, 28 Sep 74

ETIOLOGY

[Studies, suggested by J.G. Mendel as well as by M. Pettenhofer, on the relationship between cholera and typhus mass-outbreaks and the level of underground water] Weiling F. **Sudhoffs Arch** 59(1):1–19, 1975 **(Ger)**

HISTORY

[General typhus?] Destaing F, et al. **Nouv Presse Med** 5(1):45–8, 3 Jan 76 **(Fre)**

IMMUNOLOGY

Microimmunofluorescence test for the serological study of rocky mountain spotted fever and typhus. Philip RN, et al. **J Clin Microbiol** 3(1):51–61, Jan 76

Indirect hemagglutination test for human antibody to typhus and spotted fever group rickettsiae. Shirai A, et al. **J Clin Microbiol** 2(5):430–7, Nov 75

[Natural resistance of mice in experimental typhus] Kishimoto Y, et al. **Jpn J Bacteriol** 30(1):194, Jan 75 **(Jpn)**

OCCURRENCE

[On the epidemic of typhus fever in 1945 (author's transl)] Fingerland A. **Cas Lek Cesk** 115(18):562–4, 7 May 76 (Eng. Abstr.) **(Cze)**

[Serological studies on the occurrence of rickettsial infections in Togo (author's transl)] Schröter G, et al. **Tropenmed Parasitol** 26(3):323–8, Sep 75 (Eng. Abstr.) **(Ger)**

[Typhus in foreign countries] Lobanov AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):10–3, Oct 75 **(Rus)**

PREVENTION & CONTROL

A reference, inactivated, epidemic typhus vaccine: clinical trials in man. Mason RA, et al. **J Biol Stand** 4(3):217–24, 1976

VETERINARY

[Petechial typhus of horses] Moskalik RS. **Veterinariia** (2):59–60, Feb 75 **(Rus)**

TYPHUS, MURINE

IMMUNOLOGY

Indirect hemagglutination test for human antibody to typhus and spotted fever group rickettsiae. Shirai A, et al. **J Clin Microbiol** 2(5):430–7, Nov 75

OCCURRENCE

[Serological studies on the occurrence of rickettsial infections in Togo (author's transl)] Schröter G, et al. **Tropenmed Parasitol** 26(3):323–8, Sep 75 (Eng. Abstr.) **(Ger)**

TYPOLOGY see **SOMATOTYPES**

TYRAMINE

ADVERSE EFFECTS

Foods potentially harmful to patients taking MAO inhibitors. **Med Lett Drugs Ther** 18(7):32, 26 Mar 76

ANALOGS & DERIVATIVES

Evaluation of the antinociceptive effects of 4, alpha-dimethyl-m-tyramine (H 77/77) in the rat. Paalzow G, et al. **Eur J Pharmacol** 36(2):321–9, Apr 76

Specific ion-exchange chromatography and fluorimetric assay for urinary 3-O-methyldopamine. Dalmaz Y, et al. **J Chromatogr** 116(2):379–941, 21 Jan 76

Separation and identification of trimethylsilyl derivatives of tyramines and methoxytyramines by gas–liquid chromatography. Henke U, et al. **J Chromatogr** 120(2):477–81, 26 May 76

Photochemistry of diazonium salts. 4. Synthesis of ring-fluorinated tyramines and dopamines. Kirk KL. **J Org Chem** 41(14):2373–6, 9Jul 76

A double column procedure for the simultaneous estimation of norepinephrine, normetanephrine, dopamine, 3-methoxytyramine and 5-hydroxytryptamine in brain tissue. Karasawa T, et al. **Jpn J Pharmacol** 25(6):727–36, Dec 75

Effects of 4-methyl-alpha-ethyl-tyramine, 4, alpha-dimethyl-tyramine and tetrabenazine on the release and uptake of 5-hydroxytryptamine by human blood platelets in vitro. Campbell IC, et al. **Life Sci** 18(10):1091–7, 15 May 76

Inhibition of 4,alpha-dimethyl-m-tyramine (H 77/77)-induced hypermotility in rats by single and repeated administration of chloropromazine, haloperidol, clozapine and thioridazine. Buus Lassen J. **Psychopharmacologia** 43(1):25–9, 23 Jul 75

ANALYSIS

Influence of age and time interval between death and autopsy on dopamine and 3-methoxytyramine levels in human basal ganglia. Carlsson A, et al. **J Neural Transm** 38(3–4):271–6, 1976

Cactus alkaloids. XXVI. Tyramine from Azureocereus ayacuchensis. Lee TM, et al. **Lloydia** 38(4):366–7, Jul–Aug 75

Screening for N-methylated tyramines in some higher fungi. Lee TM, et al. **Lloydia** 38(5):450–2, Sep–Oct 75

BLOOD

Hypertyraminemia in cirrhotic patients. Faraj BA, et al. **N Engl J Med** 294(25):1360–4, 17 Jun 76

CHEMICAL SYNTHESIS

Photochemistry of diazonium salts. 4. Synthesis of ring-fluorinated tyramines and dopamines. Kirk KL. **J Org Chem** 41(14):2373–6, 9Jul 76

DIAGNOSTIC USE

Letter: Tyramine pressor response in depression. Ghose K, et al. **Lancet** 2(7933):511, 13 Sep 75

[Pupillary reaction on tyramine- a parameter of uremic sympathicopathy (author's transl)] Röckel A, et al. **Klin Wochenschr** 54(10):479–83, 15 May 76 (Eng. Abstr.) **(Ger)**

METABOLISM

Oxidation of phenethylamine yielding tyramine by rat liver microsomes. Jonsson J, et al. **Acta Pharmacol Toxicol (Kbh)** 37(5):352–60, Nov 75

Decarboxylation to tyramine is not a major route of tyrosine metabolism in mammals. Fellman JH, et al. **Arch Biochem Biophys** 174(2):562–7, Jun 75

Proceedings: Tyraminergic mechanisms in rat striatum. Boulton AA, et al. **Br J Pharmacol** 55(2):296P–297P, Oct 75

Regional distribution of monoamine oxidase activity for 5-hydroxytryptamine and tyramine in hypothalamus of the rat. Hirano M, et al. **Brain Res** 93(3):558–63, 15 Aug 75

The hydroxylation of p-tyramine in man. Jones RA, et al. **J Pharm Pharmacol** 28(5):461–2, May 76

Effect of acute and chronic injections of amphetamine on intracranial self-stimulation (ICS) and some aryl alkyl amines and the rat brain. Danielson TJ, et al. **Life Sci** 18(11):1237–43, 1 Jun 76

[Accumulation of ephedrine, norephedrine, amphetamine and tyramine labeled with carbon 14 in pigmented and non-pigmented eyes in two races of rats] Wepierre J, et al. **Arch Int Pharmacodyn Ther** 217(2):342–50, Oct 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Release and receptor stimulating properties of p-tyramine in rat brain. Stoof JC, et al. **Arch Int Pharmacodyn Ther** 220(1):62–71, MAR 76

The effect of noradrenaline, adrenergic blocking agents, and tyramine on the intrarenal distribution of blood flow in the baboon. Bomzon L, et al. **Cardiovasc Res** 9(3):314–22, May 75

Evidence for a physiological role of renal sympathetic nerves in adrenergic stimulation of renin release in the rat. Aoi W, et al. **Circ Res** 38(2) Feb 76

Migraine, tyramine and blood serotonin. Ziegler DK, et al. **Headache** 16(2):53–7, May 76

Proceedings: The effects of amantadine, tranylcypromine, amphetamine and tyramine on the response of the rat anococcygeus muscle after bretylium. Cunnane T, et al. **J Pharm Pharmacol** 27 Suppl?-2:14P, Dec 75

Onset of chronotropic effects of nicotinic drugs and tyramine on the sinoatrial pacemaker in chick embryo heart: relationship to the development of autonomic neuroeffector transmission. Pappano AJ. **J Pharmacol Exp Ther** 196(3):676–84, Mar 76

Onset of chronotropic effects of nicotinic drugs and tyramine on the sino-atrial pacemaker in chick embryo heart: relationship to the development of autonomic neuroeffector transmission. Pappano AJ. **J Pharmacol Exp Ther** 196(3):676–84, Mar 76

Blockade of tyramine-induced responses by short-acting 2-halogenoethylamines in the rat vas deferens. Lee SS, et al. **Life Sci** 17(2):275–81, 15 Jul 75

Tyramine activates the EEG in epileptic patients. Swash M, et al. **Nature** 258(5537):749–50, 25 Dec 75

The effect of adrenaline, tyramine and guanethidine on two-way avoidance conditioning and on pseudoconditioning. Izquierdo I, et al. **Psychopharmacologia** 43(1):85–7, 23 Jul 75

The effect of histamine, isoproterenol and tyramine on rat uterine cyclic AMP. Verma SC, et al. **Res Commun Chem Pathol Pharmacol** 13(1):55–64, Jan 76

[Experimental findings on tyramine-dependent release of noradrenaline in various parts of the heart under the influence of practolol] Brisse B, et al. **Z Kardiol** 64(10):941–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Effects of beta-phenylethylamine derivatives on the central nervous system. (5) Changes in the volume of spontaneous movement in mice with intracerebral administration of tyramine] Sakurada S, et al. **Folia Pharmacol Jpn** 71(8):769–77, Nov 75 **(Jpn)**

[Effects of beta-phenylethylamine derivatives on the central nervous system. (5) The effect of intracerebral administration of tyramine on head twitching in mice pre-treated with isocarboxazid] Sakurada S. **Folia Pharmacol Jpn** 71(8):779–87, Nov 75 **(Jpn)**

THERAPEUTIC USE

Letter: Drugs for rare diseases. Johnson RH, et al. **Br Med J** 4(5993):405, 15 Nov 75

URINE

Separation and quantitation of some urinary arylalkylamines. Slingsby JM, et al. **J Chromatogr** 123(1):51–6, 21 Jul 76

TYROCIDINES see under **TYROTHRICIN**

TYROPANOATE see under **IODOBENZENES**

TYROSINASE see **DIPHENOL OXIDASES**

TYROSINE

Fluorescence of tyrosine residues in the basic trypsin inhibitor from bovine lungs. Siemion IZ, et al. **Acta Biochim Pol** 22(3):195–200, 1975

Ultrastructural tyrosine reaction in hamster melanoma. Bomirski A, et al. **Ann Med Sect Pol Acad Sci** 20(2):59–60, 1975

Studies on the inhibition of synthesis of the tyrosine-rich proteins of wool. Frenkel MJ, et al. **Aust J Biol Sci** 28(4):331–8, Aug 75

Changes in the exposure of tryptophyl and tyrosyl residues in thrombin due to diisopropylphosphorofluoridate and benzamidine inhibitions. Villanueva GB, et al. **Biochem Biophys Res Commun** 67(1):359–65, 3 Nov 75

Correlation proton magnetic resonance studies at 250 MHz of bovine pancreatic ribonuclease. II. pH and inhibitor-induced conformational transitions affecting histidine-48 and one tyrosine residue of ribonuclease A. Markley JL. **Biochemistry** 14(16):554–61, 12 Aug 75

Nuclear magnetic resonance investigation of the base-pairing structure of Escherichia coli tRNATyr monomer and dimer conformations. Rordorf BF, et al. **Biochemistry** 15(15):3320–30, 27 Jul 76

Interpretation of the doublet at 850 and 830 cm-1 in the Raman spectra of tyrosyl residues in proteins and certain model compounds. Siamwiza MN, et al. **Biochemistry** 14(22):4870–6, 4 Nov 75

Adduct of tyrosine and the oncogen 3-acetoxyxanthine. Stöhrer G, et al. **Biochemistry** 15(13):2772–5, 29 Jun 76

Near-ultraviolet tyrosyl circular dichroism of pig insulin monomers, dimers, and hexamers. Dipole-dipole coupling calculations in the monopole approximation. Strickland EH, et al. **Biochemistry** 15(17):3875–84, 24 AUG 76

Studies on nitrotyrosine-82 and aminotyrosine-82 derivatives of adrenodoxin. Effects of chemical modification on the complex formation with adrenodoxin reductase. Taniguchi T, et al. **Biochemistry** 15(13):2849–53, 29 Jun 76

Kinetics of the disordered chain-to-beta transformation of poly(L-tyrosine) in aqueous solution. Auer HE, et al. **Biophys Chem** 4(1):15–21, Jan 76

Conformational states of poly(L-tyrosine) in aqueous solution. Patton E, et al. **Biopolymers** 14(4):849–69, Apr 75

The modification of tyrosyl residues in L-asparaginases and ribonuclease a with Fremy's salt. Implication of tyrosyl residues in the activity of L-asparaginases from E. coli B and Erwinia carotovora. Homer RB, et al. **FEBS Lett** 59(2):173–6, 15 Nov 75

Superoxide dismutase activity of Cu(Tyr)2 and Cu, Co-erythrocuprein. Brigelius R, et al. **Hoppe Seylers Z Physiol Chem** 356(6):739–45, Jun 75

Antibodies against the aliphatic succinyl group: presence of tyrosine and a positive charge in the specific combining site. Grossberg AL, et al. **Immunochemistry** 12(6–7):453–6, Jul 75

Gene V protein of fd bacteriophage. Dimer formation and the role of tyrosyl groups in DNA binding. Pretorius HT, et al. **J Biol Chem** 250(24):9262–9, 25 Dec 75

The nucleotide sequence in the promoter region of the gene for an Escherichia coli tyrosine transfer ribonucleic acid. Sekiya T, et al. **J Biol Chem** 251(15):4481–9, 10 Aug 76

Studies on tyrosine residues in porcine muscle adenylate kinase. Circular dichroism spectra and chemical modification with tetranitromethane. Yazawa M, et al. **J Biol Chem** 251(10):3021–6, 25 May 76

Synthesis and some biological activities of the tyrosine-8 analog of substance P. Fisher GH, et al. **J Med Chem** 19(2):325–8, Feb 76

Helix—coil stability constants for the naturally occurring amino acids in water. X. Tyrosine parameters from random poly(hydroxypropylglutamine-co-L-tyrosine). Scheule RK, et al. **Macromolecules** 9(1):23–33, Jan–Feb 76

Singlet energy transfer between aromatic amino acids and nucleic acid bases. Theoretical calculations. Montenay-Garestier T. **Photochem Photobiol** 22(1–2):3–6, Jul–Aug 75

The involvement of aromatic amino acids in biological activity of bovine fibrinogen as assessed by gamma-irradiation. Chanderkar LP, et al. **Radiat Res** 65(2):283–91, Feb 76

[Conformational aspects of peptide interaction with proteolytic enzymes. Effect of amino acid residue configuration on binding of stereoisomeric N-acetylleucyltyrosine and N-acetyltyrosylleucine methylamides with pepsin] Tsetlin VI, et al. **Biokhimiia** 40(2):347–52, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Tyrosine-induced eye and skin lesions. A treatable genetic disease. Goldsmith LA, et al. **JAMA** 236(4):382–4, 26 Jul 76

ANALOGS & DERIVATIVES

Demonstration of 3-methoxytyrosine in the urine of melanoma patients. Agrup G, et al. **Acta Derm Venereol (Stockh)** 56(1):27–31, 1976

Beta-blocking properties compared to other pharmacological and biochemical effects of 1, NO2-hydroxyphenyl, N-benzoyl-alanine (GAL-1). Galzigna L, et al. **Agressologie** 17(2):99–104, 1976

Delayed hypersensitivity to mono-azobenzene arsonate-N-acetyl-L-tyrosine. II. An operational model in the mouse. Degrand F, et al. **Biomedicine [Express]** 23(9):364–9, 10 Nov 75

Letter: Solid-state conformation of poly(O-benzyloxycarbonyl-L-tyrosine). Del Pra AD, et al. **Biopolymers** 14(8):1769–72, Aug 75

Oral administration of a chymotrypsin-labile peptide—a new test of exocrine pancreatic function in man (PFT). Gyr K, et al. **Gut** 17(1):27–32, Jan 76

Lanthanide interactions with nitrotyrosine. A specific binding site for nuclear magnetic resonance shift probes in proteins. Marinetti TD, et al. **J Am Chem Soc** 97(22):6562–70, 29 Oct 75

pH dependence of the nitrotyrosine-248 and arsanilazotyrosine-248 carboxypeptidase A catalyzed hydrolysis of O-(trans-p-chlorocinnamoyl)-L-beta-phenyllactate. Suh J, et al. **J Am Chem Soc** 98(7):1940–7, 31 Mar 76

Exchange-inert metal ions as probes of enzyme structure-function relationships. Cobalt(III), cobalt(II), and zinc(II), azophenol complexes as models for enzyme azotyrosine complexes. White WI, et al. **J Am Chem Soc** 97(14):3937–41, 9 Jul 75

Use of N-benzoyl-L-tyrosine thiobenzyl ester as a protease substrate. Hydrolysis by alpha-chymotrypsin and subtilisin BPN. Farmer DA, et al. **J Biol Chem** 250(18):7366–71, 25 Sep 75

Structural studies on the antibiotic vancomycin: Evidence for the presence of modified phenylglycine and beta-hydroxytyrosine units. Smith GA, et al. **J Chem Soc [Perkin I]** (21):2108–15, 1975

Adjuvant activity of synthetic cell-wall peptidoglycan subunits on monoazobenzenearsonate-N-acetyl-L-tyrosine and bacterial alpha-amylase in guinea pigs. Azuma I, et al. **Jpn J Microbiol** 20(1):63–6, Feb 76

Letter: Diagnosis of exocrine pancreatic disease by synthetic peptide. Salway JG, et al. **Lancet** 2(7976):100–1, 10 Jul 76

Influence of L-3-methoxytyrosine on monoamine synthesis in rat brain. Kehr W. **Naunyn Schmiedebergs Arch Pharmacol** 290(4):347–56, 15 Oct 75

Rat brain GABA and glutamate content in m-fluorotyrosine convulsions. Omer VV. **Neuropharmacology** 15(5):299–301, May 76

The photosensitized oxidation of tyrosine derivatives in the presence of alginate. I: Reaction under homogeneous conditions. Seely GR, et al. **Photochem Photobiol** 23(1):1–6, Jan 76

The photosensitized oxidation of tyrosine derivatives in the presence of alginate. II: Reaction under heterogeneous conditions. Seely GR, et al. **Photochem Photobiol** 23(1):7–11, Jan 76

Biological properties of rat serum hydrolases splitting N-acetyl-L-tyrosine ethyl ester. Simonianová E, et al. **Physiol Bohemoslov** 24(4):363–8, 1975

Intramolecular arsanilazotyrosine-248-Zn complex of carboxypeptidase A: a monitor of catalytic events. Harrison LW, et al. **Proc Natl Acad Sci USA** 72(10):3930–3, Oct 75

[Effect of alpha-methyl-p-tyrosine on the development of neurogenic dystrophy in the gastric wall and on its noradrenaline content] Zabrodin ON. **Biull Eksp Biol Med** 79(6):30–2, Jun 75 (Eng. Abstr.) **(Rus)**

[Antitumor properties of 2-phenazinylthioureidotyrosine] Sidorik OA, et al. **Mikrobiol Zh** 37(4):500–1, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Colorimetric estimation of phenols and tyrosine. Chrastil J. **Anal Chem** 47(13):2293–6, Nov 75

Sialic acid in thyroglobulin. II. Influence of sialic acid on ionization of tyrosine residues. Maresz Z. **Arch Immunol Ther Exp (Warsz)** 23(3):361–5, 1975

Role of tyrosine residues in mitochondrial aspartate aminotransferase from beef kidney. Scandurra R, et al. **Biochemistry** 14(16):3701–6, 12 Aug 75

Formation of dityrosine cross-links in proteins by oxidation of tyrosine residues. Aeschbach R, et al. **Biochim Biophys Acta** 439(2):292–301, 9 Aug 76

The origin of the tyrosyl circular dichroism of tropomyosin. Bullard B, et al. **Biochim Biophys Acta** 434(1):90–9, 20 May 76

Conformational and molecular responses to pH variation of the purified membrane adenosine triphosphatase of Micrococcus lysodeikticus. Nieto M, et al. **Biochim Biophys Acta** 413(3):394–414, 16 Dec 75

Involvement of tyrosine residues in the protomer-protomer interaction of Proteus mirabilis flagella as studied by spectroscopic methods, chemical modification and aggregation experiments. Schalch W, et al. **Biochim Biophys Acta** 405(2):292–305, 20 Oct 75

Studies on the state of tyrosyl residues in a ribonuclease from seminal vesicles. Irie M, et al. **J Biochem (Tokyo)** 77(5):1075–84, May 75

Estimation of tryptophyl and tyrosyl exposure in tryptophan-rich proteins by ultraviolet difference spectrophotometry. Lysozyme and Chymotrypsinogen. Izumi T, et al. **J Biochem (Tokyo)** 79(6):1309–21, Jun 76

Effects of single and multiple dose LSD on endogenous levels of brain tyrosine and catecholamines. Smith RC, et al. **Psychopharmacologia** 42(3):271–6, 19 Jun 75

[Isolation of peptide containing essential tyrosine from lobster arginine kinase] Fattoum A, et al. **Biochimie** 57(8):859–63, 1975 **(Fre)**

[Primary structure of tyrosine-containing histone Fi peptide by means of dansyl ultramicromethod] Arutiunian AA, et al. **Biokhimiia** 40(4):878–84, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

An enzyme common to histidine and aromatic amino acid biosynthesis in Bacillus subtilis. Nester EW, et al. **J Bacteriol** 126(2):699–705, May 76

Directed integration of bacteriophage lambda in an F lac transposition Hfr strain of Escherichia coli: isolation and characterization of specialized transducing phages for the phenylalanine and tyrosine operons. Zurawski G, et al. **J Mol Biol** 102(2):311–24, 5 Apr 76

BLOOD

The significance and mechanism of an increased serum phenylalanine-tyrosine ratio during infection. Wannemacher RW Jr, et al. **Am J Clin Nutr** 29(9):997–1006, Sep 76

Hereditary tyrosinaemia. Clinical, enzymatic, and pathological study of an infant with the acute form of the disease. Carson NA, et al. **Arch Dis Child** 51(2):106–13, Feb 76

The Richner-Hanhart syndrome: report of a case with associated tyrosinemia. Bienfang DC, et al. **Arch Ophthalmol** 94(7):1133–7, Jul 76

Keratopathy in tyrosinemia. Burns RP, et al. **Birth Defects** 12(3):169–80, 1976 (13 ref.)

The daily rhythm of plasma tryptophan and tyrosine in depression. Niskanen P, et al. **Br J Psychiatry** 128:67–73, Jan 76

Vitamin C for prophylaxis of tyrosinemia in the newborn. Statement by the Nutrition Committee of the Canadian Paediatric Society. **Can Med Assoc J** 114(5):447, 6 Mar 76

Neonatal hypertyrosinemia and evidence for deficiency of ascorbic acid in Arctic and subarctic peoples. Clow CL, et al. **Can Med Assoc J** 113(7):624–6, 4 Oct 75

Hyperphenylalaninemias and tyrosinemias. Berry HK. **Clin Perinatol** 3(1):15–40, Mar 76

The occurrence of hepatoma in the chronic form of hereditary tyrosinemia. Weinberg AG, et al. **J Pediatr** 88(3):434–8, Mar 76

Rapid quantitative determination of plasma phenylalanine and tyrosine by automated ion-exchange chromatography using an internal standard. Ersser RS. **Med Lab Sci** 33(1):57–61, Jan 76

Effect of intravenous glucose and insulin on plasma tryptophan and tyrosine concentrations in normal subjects and patients with carcinoid tumors. Feldman JM, et al. **Metabolism** 25(1):97–103, Jan 76

Some biochemical effects of chloral hydrate in an infant with a tyrosinemia-like syndrome. Watts RW, et al. **Pediatr Res** 9(12):875–8, Dec 75

Intellectual deficits after transient tyrosinemia in the term neonate. Mamunes P, et al. **Pediatrics** 57(5):675–80, May 76

[Plasma tyrosine and tissue catecholamines] Nikodievié O, et al. **God Zb Med Fak Skopje** 17:155–60, 1971 (Eng. Abstr.) **(Cro)**

[In vitro study of hepatic adenyl cyclase in cases of hereditary tyrosinemia] Lescault A, et al. **Union Med Can** 103(12):2137–9, Dec 74 (Eng. Abstr.) **(Fre)**

[Tyrosine-tryptophan balance in depressive patients] pp. 81–8. Riederer P, et al. **In: Walcher W, ed. Zur Systematik, Provokation und Therapie depressiver Psychosen. Wien, Hollinek, 1974. WM 207 Z96 1973.** **(Ger)**

[Quantitative determination of tyrosine in experimental ferbam 76 poisoning. I. Plasma levels of free tyrosine in experimental animals] Seńczuk W, et al. **Rocz Panstw Zakl Hig** 27(2):197–208, 1976 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Transmitter precursors and metabolites in human ventricular cerebrospinal fluid. Curzon G, et al. **J Neurochem** 26(3):613–5, Mar 76

IMMUNOLOGY

Delayed hypersensitivity to mono-azobenzene-arsonate-N-acetyl-L-tyrosine. I. Induction of cellular sensitivity in the rat. Sobel A, et al. **Biomedicine [Express]** 23(8):318–22, 20 OCT 75

Inhibition of lobster-muscle arginine kinase by homologous antibodies and study of an antibody population directed against a tyrosine-containing antigenic structure. Benyamin Y, et al. **Eur J Biochem** 62(1):15–9, 2 Feb 76

Proceedings: The immune response potential of inbred mouse strains to two ordered peptides of tyrosine and glutamic acid as compared with their response to random (T,G)-A—L. Schwartz M, et al. **Isr J Med Sci** 11(12):1376–7, Dec 75

Identification of heavy chain tyrosine 33 in the binding site of myeloma protein McPC 603 by paired label iodination. Grossberg AL, et al. **J Immunol** 116(6):1596–600, Jun 76

Genetic control of immune response against random copolymers of glutamic acid and alanine (GA) and tyrosine (GT) in inbred mice. Merryman CF, et al. **J Immunol** 116(3):739–42, Mar 76

METABOLISM

On the nature of an intermediate that is formed during the enzymatic conversion of phenylalanine to tyrosine. Kaufman S. **Adv Exp Med Biol** 74:91–102, 1976

Possible role of insulin in the transport of tyrosine and tryptophan from blood to brain. Tagliamonte A, et al. **Adv Exp Med Biol** 69:89–94, 1976

Ultrastructural tyrosine reaction in hamster melanoma. Bomirski A, et al. **Ann Med Sect Pol Acad Sci** 20(2):59–60, 1975

Decarboxylation to tyramine is not a major route of tyrosine metabolism in mammals. Fellman JH, et al. **Arch Biochem Biophys** 174(2):562–7, Jun 75

Proceedings: Controlled transcription of the synthetic gene for tyrosine transfer RNA. Contreras R, et al. **Arch Int Physiol Biochim** 84(1):145–7, Feb 76

The hydroxylation of tyrosine by an enzyme from third-instar larvae of the blowfly Calliphora erythrocephala. Pau RN, et al. **Biochem J** 147(3):565–73, Jun 75

A study of the supposed hydroxylation of tyrosine catalysed by peroxidase. Smith PI, et al. **Biochem J** 153(2):403–8, 1 Feb 76

Effect of 6-hydroxydopamine on dopa and tyrosine entry into brain. Snodgrass SR. **Biochem Pharmacol** 25(14):1675–9, 15 Jul 76

Control of ketogenesis from amino acids. III. In vitro and in vivo studies on ketone body formation lipogenesis and oxidation of tyrosine by rats. Tanaka K, et al. **Biochim Biophys Acta** 399(2):302–12, 13 Aug 75

alpha1-Fetoprotein measurement in blood spotted on paper: discriminating test for hereditary tyrosinemia in neonatal mass screening. Grenier A, et al. **Clin Chem** 22(7):1001–4, Jul 76

Studies of amino acid and protein metabolism in normal man with L-[U-14C]tyrosine. James WP, et al. **Clin Sci Mol Med** 50(6):525–32, Jun 76

Comparison of free tryptophan, bound tryptophan and tyrosine in plasma, and tryptophan, 5-hydroxytryptophan, serotonin, 5-hydroxyindoleacetic acid, tyrosine, dopamine and norepinephrine in brain parts of rat and pigeon. Lane JD, et al. **Comp Biochem Physiol [B]** 53(4):469–72, 1976

Thyroid state and brain monoamine metabolism. Jacoby JH, et al. **Endocrinology** 97(5):1332–5, Nov 75

Incorporation of L-tyrosine, L-phenylalanine and L-3,4-dihydroxyphenylalanine as single units into rat brain tubulin. Arce CA, et al. **Eur J Biochem** 59(1):145–9, 1 Nov 75

3H-Tyrosine incorporation into proteins and catecholamines in immobilized rats. pp. 377–86. Huszti Z, et al. **In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.**

Tyrosinosis (tyrosinaemia). Jaiswal RB. **Indian Pediatr** 12(3):209–10, Mar 75

Crystals in corneal epithelial lesions of tyrosine-fed rats. Gipson IK, et al. **Invest Ophthalmol** 14(12):937–41, Dec 75

Catabolism of L-tyrosine by the homoprotocatechuate pathway in gram-positive bacteria. Sparnins VL, et al. **J Bacteriol** 127(1):362–6, Jul 76

Evaluation of tyrosine medium for the identification of Enterobacteriaceae. Sheth NK, et al. **J Clin Microbiol** 1(5):483–5, May 75

Alterations in brain octopamine and brain tyrosine following portacaval anastomosis in rats. James JH, et al. **J Neurochem** 27(1):223–7, Jul 76

Changes in the rates of protein synthesis in the brain of goldfish at various temperatures. Lajtha A, et al. **Life Sci** 17(12):1861–8, 15 Dec 75

Role of sodium in neuronal uptake of monoamines and amino acid precursors. Bruinvels J. **Nature** 257(5527):606–7, 16 Oct 75

Evidence for the possible formation of a toxic tyrosine metabolite by the liver microsomal drug metabolizing system. David JC. **Naunyn Schmiedebergs Arch Pharmacol** 292(1):79–86, 14 Jan 76

Effects of diethyldithiocarbamate on the catabolism of tyrosine in the rat brain. Jarvis JA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(3):295–8, 16 Mar 76

Catecholamine receptor agonists: effects on motor activity and rate of tyrosine hydroxylation in mouse brain. Strömbom U. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):167–76, 25 Feb 76

Effects of neuroleptics on striatal dopamine synthesized from 14C-tyrosine. Nyback H, et al. **Pharmacol Ther [B]** 2(1):49–63, 1976 (75 ref.)

Rat liver homogenate hydrolases splitting N-acetyl-L-tyrosine ethyl ester. Simonianova E, et al. **Physiol Bohemoslov** 24(5):395–402, Sep 75

Effect of diuretics on intestinal transport of electrolytes, glucose, and amino acid. Huang KC, et al. **Proc Soc Exp Biol Med** 151(4):779–84, Apr 76

Tyrosine metabolism is gamma-irradiated rice moth, Corcyra cephalonica. Raghavan KG, et al. **Radiat Res** 67(1):46–55, Jul 76

3H-tyrosin incorporation by foregut entoderm, as an additional proof of extra-glandular presence of endocrine ptoencies. Csaba G. **Z Mikrosk Anat Forsch** 89(4):640–6, 1975

[Tyrosinosis] Bakker HD, et al. **Ned Tijdschr Geneeskd** 120(22):944–51, 29 May 76 (Eng. Abstr.) **(Dut)**

[Letter: Acute tyrosinosis with lactic acidosis] van Biervliet JP, et al. **Arch Fr Pediatr** 32(6):575–7, Jun-Jul 75 **(Fre)**

[Diagnosis and therapy of 6 inherited, metabolic diseases, leading to mental deficiency. 1] Menne F, et al. **Med Klin** 71(17):724–8, 23 Apr 76 (0 ref.) **(Ger)**

[A new tyrosine derivative in Drosophila buskii] Chen PS. **Rev Suisse Zool** 82(4):673–5, Dec 75 (Eng. Abstr.) **(Ger)**

[Excretion of parahydroxymandelic acid in collagen diseases] Ambanelli U, et al. **Reumatismo** 24(2):128–31, Apr-Jun 72 **(Ita)**

[Conformational aspects of peptide interaction with proteolytic enzymes. Pepsin-catalyzed hydrolysis of cyclic peptides, containing leucyl-tyrosine fragments] Tsetlin VI, et al. **Biokhimiia** 40(4):694–7, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Specificity of tyrosine metabolism depending on the state of melaninogenesis] Kurbanov Kh, et al. **Biull Eksp Biol Med** 80(8):44–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of hypercapnia on tyrosine and tryptophan metabolism] Rudzit VK, et al. **Biull Eksp Biol Med** 81(4):416–8, 1976 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Synthesis of catecholamines in the eye after local injection of 3H-precursors. Rentzhog L. **Acta Physiol Scand** 94(4):459–66, Aug 75

Bêta-adrenoreceptor blocking properties of 1-nitro, hydroxy phenyl, N-benzoyl alanine (GAL-1). Telang B, et al. **Agressologie** 17(1):43–8, 1976 (Eng. Abstr.)

Haemolysis induced by tyrosine crystals: Modifiers and inhibitors. Goldsmith LA. **Biochem J** 158(1):17–22, 15 Jul 76

The reciprocal exclusion by L-dopa (L-3,4-dihydroxyphenylalanine) and L-tyrosine of their incorporation as single units into a soluble rat brain protein. Rodriguez JA, et al. **Biochem J** 149(1):115–21, Jul 75

Induction of a coupling defect in rats during inhibition of tyrosine dehalogenase. Green WL. **Endocrinology** 98(1):10–9, Jan 76

The effect of a tyrosine-divalent copper complex on hepatic microsomal demethylation. Richter C, et al. **FEBS Lett** 64(2):332–7, 1 May 76

Phenylalanine hydroxylase from Pseudomonas sp. (ATCC 11299a). Purification, molecular weight, and influence of tyrosine metabolites on activation and hydroxylation. Letendre CH, et al. **J Biol Chem** 250(17):6672–8, 10 Sep 75

Characterization of a mutant of Neurospora crassa sensitive to L-tyrosine. Wolfinbarger L Jr, et al. **J Gen Microbiol** 93(1):189–93, Mar 76

Decrease of homovanillic, dihydroxyphenylacetic acid and cyclic-adenosine-3',5'-monophosphate content in the rat caudate nucleus induced by the acute administration of an aminoacid mixture lacking tyrosine and phenylalanine. Biggio G, et al. **J Neurochem** 26(6):1253–5, Jun 76

PHYSIOLOGY

The role of single tyrosine and histidine residues in bovine neurophysin I. Fukuda H, et al. **Chem Pharm Bull (Tokyo)** 23(9):2184–6, Sep 75

The involvement of aromatic amino acids in biological activity of bovine fibrinogen as assessed by gamma-irradiation. Chanderkar LP, et al. **Radiat Res** 65(2):283–91, Feb 76

RADIATION EFFECTS

[Protective action of cystaphos and its homologs in the radiation hydroxylation of tyrosine] Duzhenkova NA. **Radiobiologiia** 16(1):103–6, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of hay fever in general practice by hyposensitization, using 'Pollinex'. Purser JR. **Curr Med Res Opin** 4(2):124–7, 1976

TOXICITY

Lethality of tyrosine in mice: its potentiation by decarboxylase inhibitors and reversal byascorbic acid. David JC. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):15–23, 24 Mar 76

TYROSINE AMINOTRANSFERASE

Differential degradation of messenger RNAs in mammalian cells. Stiles CD, et al. **Proc Natl Acad Sci USA** 73(8):2634–8, Aug 76

ANALYSIS

Heterogeneity of hepatic tyrosine aminotransferase. Separation of the multiple forms from rat and frog liver by isoelectric focussing and hydroxylapatite column chromatography and their partial characterization. Ohisalo JJ, et al. **Acta Chem Scand [B]** 30(6):491–500, 1976

Stress-induced response of liver tyrosine aminotransferase after repeated or continuous chloroform inhalation. Stefan M, et al. **Agressologie** 16(5):273–7, 1975

BIOSYNTHESIS

Induction of multiple forms of tyrosine aminotransferase by amino acid mixtures of different compositions. Bourdel G, et al. **Biochim Biophys Acta** 399(2):339–44, 13 Aug 75

Dynamic asymmetries in liver tyrosine aminotransferase induction. Stefan M, et al. **Enzyme** 21(5):459–63, 1976

The capability for hormone-stimulated enzyme adaptation in liver cells isolated from aging rats. Britton GW, et al. **Exp Gerontol** 11(1-2):1–4, 1976

Potentiating effect of a physiological dose of cortisone acetate on the dibutyryl cyclic AMP-mediated induction of tyrosine aminotransferase in rat liver. Hoshino H, et al. **FEBS Lett** 56(1):62–5, 1 Aug 75

Tyrosine aminotransferase activity in liver of pyrazole-treated rats. Ribière C, et al. **FEBS Lett** 64(2):419–22, 1 May 76

Induction of ornithine decarboxylase, tyrosine aminotransferase, and thymidine kinase by glucocorticoid in isolated, perfused liver after tumor inoculation. Sakata R. **Gann** 66(3):245–52, Jun 75

Cycle-dependent enzyme induction. pp. 145–51. Tomkins GM. **In: Richmond CR et al., ed. Mammalian cells: probes and problems. Oak Ridge, Tenn., Technical Information Center, 1975. W3 L073 1973m.**

Tyrosine aminotransferase induction in normal and tumor-bearing chickens. Horváth I, et al. **Int J Cancer** 16(6):897–904, 15 Dec 75

Circadian chronotypic induction of tyrosine aminotransferase and depletion of glycogen by theophylline in the rat. Ehret CF, et al. **Int J Chronobiol** 2(4):321–6, 1974

The effects of metabolic inhibitors on the synthesis of inducible tyrosine aminotransferase in cultured hepatoma cells. Dethlefsen LA. **J Cell Physiol** 86(1):155–65, Aug 75

Serum-free growth of HTC cells containing glucocorticoid- and insulin-inducible tyrosine aminotransferase and cytoplasmic glucocorticoid receptors. Thompson EB, et al. **J Cell Physiol** 86(2 PT 2 SUPPL 1):403–11, Oct 75

Hormonal induction of tyrosine aminotransferase activity in host liver and hepatoma no. 7777 of normal and cofactor-depleted animals. Tryfiates GP, et al. **J Natl Cancer Inst** 55(4):839–41, Oct 75

The effect of hormones on glucocorticoid binding capacity of rat liver cytosol. Rouse IL, et al. **Life Sci** 17(10):1571–8, 15 Nov 75

L-tyrosine: 2-oxoglutarate aminotransferase induction by hydrocortisone in the thymus of the white rat. Abraham AD. **Mol Cell Biochem** 9(3):131–3, 31 Dec 75

Restoration of sensitivity of cultured hepatoma cells to cyclic nucleotides shows permissive effect of dexamethasone. Granner DK. **Nature** 259(5544):572–3, 19 Feb 76

Induction of tyrosine aminotransferase by insulin not mediated by cyclic GMP. Hardeland R, et al. **Naturwissenschaften** 62(8):397, Aug 75

[The importance of the substrate for the induction of tyrosine-alpha-ketoglutarate-transaminase in RLC-cells (author's transl)] Kröger H, et al. **Z Naturforsch [C]** 30(2):263–5, Mar-Apr 75 (Eng. Abstr.) **(Ger)**

[The effect of ACTH and several antimetabolites of vitamin B6 on the activity of tyrosine aminotransferase in the liver of intact and hypophysectomized rats] Matveeva AA, et al. **Probl Endokrinol (Mosk)** 21(5):73–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Bilateral keratopathy and tyrosinosis. Sandberg HO. **Acta Ophthalmol (Kbh)** 53(5):760–4, Nov 75

METABOLISM

Regulation of corticosterone levels and liver enzyme activity in aging rats. Britton GW, et al. **Adv Exp Med Biol** 61:209–228, 1975

Regulation of some nitrogen catabolizing enzyme levels in chick liver. Woodward WD, et al. **Arch Biochem Biophys** 169(1):134–9, Jul 75

Stabilization of rat liver tyrosine aminotransferase by tetracycline. Hannah R, et al. **Biochem J** 150(3):329–33, Sep 75

Effect of environmental stress of low pressure on tyrosine aminotransferase and phenylalanine 4-hydroxylase activities in the rat. Namboodiri MA, et al. **Biochem J** 150(2):263–8, Aug 75

Tyrosine aminotransferase activity in the rabbit placenta. Evidence for decreased inducibility by insulin and cortisol as a function of gestational age. Wade RS, et al. **Biochem J** 154(1):245–7, 15 Jan 76

The repression and derepression of hepatic tyrosine aminotransferase by carcinogens. Hanausek-Walaszek M, et al. **Chem Biol Interact** 12(3-4):391–41, Mar 76

Postnatal development of the circadian rhythm of rat liver tyrosine aminotransferase activity. Stephan E, et al. **Chronobiologia** 2(3):218–23, Jul-Sep 75

Elevated serum and hepatic tyrosine aminotransferase in voles chronically infected with Trypanosoma brucei gambiense. Stibbs HH, et al. **Exp Parasitol** 39(1):1–6, Feb 76

Alpha5 pyridoxalacetic acid and alpha5 pyridoxyl-L-phenylalanine acetic acid: their action on some B6-dependent enzymes. Borri Voltattorni C, et al. **Experientia** 31(9):1017–9, 15 SEP 75

Hypobaric stress and enzymes in the metabolism of tyrosine, the precursor of catecholamines. pp. 213–23. Namboodiri

MA, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Partial reversal by resepine of the shortened posttraumatic response of plasma corticosterone tyrosine and liver tyrosine aminotransferase in rats conditioned to trauma in the Noble and Collip drum. pp. 207–11. Németh S.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Pyridoxal–5–phosphate–dependent enzymes in riboflavin deficiency. Lakshmi AV, et al.
Indian J Biochem Biophys 12(2):136–8, Jun 75

Tyrosinosis (tyrosinaemia). Jaiswal RB. **Indian Pediatr** 12(3):209–10, Mar 75

Diurnal variations in activity of four pyridoxal enzymes in rat liver during metabolic transition from high carbohydrate to high protein diet. Yanagl S, et al.
Life Sci 17(9):1411–21, 1 Nov 75

Changes in tyrosine transaminase and phosphoenolpyruvate kinase activities during short term incubation of fetal liver. Kirby L, et al. **Pediatr Res** 10(4):243–5, Apr 76

Enzyme activity in sleep and sleep deprivation. Deguchi T, et al. **Pharmacol Biochem Behav** 3(6):957–60, Nov–Dec 75

Stress–induced response of mouse liver tyrosine aminotransferase after irradiation. Stefan M, et al.
Physiologie 12(4):303–5, 1975

Liver enzymatic induction after repeated or prolonged stress. Stefan M. **Physiologie** 13(2):161–3, Apr–Jun 76 (Eng. Abstr.)

[Effect of dietetic and hormonal factors on ornithine transaminase and tyrosine transaminase of the chichen liver] Naitana A. **Boll Soc Ital Biol Sper** 51(5):239–47, 15 Mar 75 **(Ita)**

[Action of pyridoxyl–glutamic acid on transaminases] Orlacchio A, et al. **Boll Soc Ital Biol Sper** 50(23–24):2011–4, 30 Dec 74 **(Ita)**

[Action of alpha–5–pyridoxal acetic acid on transaminases] Voltattorni B, et al. **Boll Soc Ital Biol Sper** 50(23–24):2005–10, 30 Dec 74 **(Ita)**

[The effect of hydrocortisone and insulin on the activity and isoenzymes of typrosine–alpha–ketoglutarate transaminase in the ctyostructures of the livers of rats of different ages] Polikarpova LI. **Probl Endokrinol (Mosk)** 21(6):69–75, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Age–related properties of inductive synthesis of glucose–6–phosphatase, fructose–1,6–diphosphatase, tyrosine aminotransferase and tryptophan pyrrolase in hypothalamus stimulation] Frol'kis VV, et al.
Vopr Med Khim 21(4):400–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of the antibiotic D–cycloserine and its dimer on the activity of tyrosine aminotransferase in liver tissue of intact, adrenalectomized and hypophysectomized rats] Marveeva AA, et al. **Vopr Med Khim** 21(3):272–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[The effect of hydrocortisone and insulin on the activity and isoenzyme of tyrosine–alpha–ketoglutarate transaminase in cytostructures of rat liver] Polikarpova LI.
Vopr Med Khim 21(3):313–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Circadian variations of the activity and induction of tyrosine aminotransferase after x–irradiation] Stefan M, et al.
Physiologie 12(3):229–31, 1975 **(Fre)**

TYROSINE DECARBOXYLASE

ANTAGONISTS & INHIBITORS

Specificity in enzyme inhibition. 3. Synthesis of 5–substituted 2,2–dimethyl–4–imidazolidinones as inhibitors of tyrosine decarboxylase and histidine decarboxylase. Smissman EE, et al. **J Med Chem** 19(1):161–3, Jan 76

Lethality of tyrosine in mice: its potentiation by decarboxylase inhibitors and reversal byascorbic acid. David JC. **Naunyn Schmiedebergs Arch Pharmacol** 293(1):15–23, 24 Mar 76

METABOLISM

Alpha5 pyridoxalacetic acid and alpha5 pyridoxyl–L–phenylalanine acetic acid: their action on some B6–dependent enzymes. Borri Voltattorni C, et al. **Experientia** 31(9):1017–9, 15 SEP 75

TYROSINE HYDROXYLASE

[Effect of neuroleptics on tyrosine hydroxylase from rat hypothalamus synaptosomes] Mineeva–Vialykh MF, et al. **Biull Eksp Biol Med** 81(4):434–6, 1976 (Eng. Abstr.) **(Rus)**

ANALYSIS

Effect of chlorpromazine on tyrosine hydroxylase in rat brain striatum and beef adrenal medulla. Mostafa MH, et al.
Agressologie 17(2):81–6, 1976

Quantitative localization of tyrosine hydroxylase, dopamine–beta–hydroxylase, phenolethanolamine–N–methyl transferase, and glutamic acid decarboxylase in spinal cord. Zivin JA, et al.
Brain Res 105(1):151–6, 19 Mar 76

Catecholamine synthesizing enzymes in hypertension. pp. 251–5. Nagatsu T, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Monoamine–synthesizing enzymes in central dopaminergic, noradrenergic and serotonergic neurons. Immunocytochemical localization by light and electron microscopy. Pickel VM, et al. **J Histochem Cytochem** 24(7):792–306, Jul 76

A novel, inexpensive, and sensitive method for analysis of tyrosine hydroxylase activity in tissue samples. Blank CL, et al. **Life Sci** 18(8):859–65, 15 Apr 76

ANTAGONISTS & INHIBITORS

Inhibition of tyrosine hydroxylase but not dopamine–beta–hydroxylase facilitates the action of behaviourally ineffective doses of neuroleptics. Antelman SM, et al. **J Pharm Pharmacol** 28(1):66–8, Jan 76

Inhibition of phenylalanine hydroxylase activity by alpha–methyl tyrosine, a potent inhibitor of tyrosine hydroxylase. Murthy LT. **Life Sci** 17(12):1777–83, 15 Dec 75

The effect of various chlorpromazine derivatives on the apomorphine–elicited inhibition of synaptosomal tyrosine hydroxylase activity. Bronaugh RL, et al.
Psychopharmacol Commun 1(2):201–8, 1975

The effect of butaclamol and of other neuroleptic agents on the apomorphine–elicited inhibition of synaptosomal tyrosine hydroxylase activity. Bronaugh RL, et al.
Psychopharmacol Commun 1(5):501–10, 1975

Effects of various inhibitors of tyrosine hydroxylase and dopamine beta–hydroxylase on rat self–stimulation after reserpine treatment. Stinus L, et al.
Psychopharmacologia 45(3):287–94, 2 Feb 76

BIOSYNTHESIS

Stimulation of rat striatal tyrosine hydroxylase by phospholipids and adenosine–3',5'–monophosphate. Raese J, et al. **Arzneim Forsch** 26(6):1107–9, 1976

Stimulation of tyrosine hydroxylase activity by cyclic AMP in synaptosomes and in soluble striatal enzyme preparations. Goldstein M, et al. **Brain Res** 109(3):563–74, 18 Jun 76

Role of cholinergic and glucocorticosteroid receptors in the tyrosine hydroxylase induction elicited by reserpine in superior cervical ganglion. Hanbauer I, et al. **Brain Res** 96(1):197–200, 10 Oct 75

Cyclic 3',5'–adenosine monophosphate dependent molecular mechanisms in the trans–synaptic induction of tyrosine hydroxylase in rat adrenal medulla. pp. 283–92. Costa E, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.

Trans–synaptic induction of tyrosine hydroxylase in superior cervical ganglia: participation of postsynaptic and steroid receptors. pp. 175–82. Hanbauer I, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2. (18 ref.)

Cyclic nucleotides and trans–synaptic enzyme induction: lack of correlation between initial cAMP increase, changes in cAMP/cGMP ratio and subsequent induction of tyrosine hydroxylase in the adrenal medulla. pp. 275–82. Thoenen H, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.

Trans–synaptic induction of tyrosine hydroxylase: role of cyclic nucleotides and glucocorticoids. pp. 271–2. Otten U, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Induction of tyrosine 3–monooxygenase elicited by carbamylcholine in intact and denervated adrenal medulla: role of protein kinase activation and translocation. Kurosawa A, et al. **Mol Pharmacol** 12(3):420–32, May 76

Selective induction of tyrosine hydroxylase and dopamine beta–hydroxylase in sympathetic ganglia in organ culture: role of glucocorticoids as modulators. Otten U, et al.
Mol Pharmacol 12(3):353–61, May 76

Mechanisms of tyrosine hydroxylase and dopamine beta–hydroxylase induction in organ cultures of rat sympathetic ganglia by potassium depolarization and cholinomimetics. Otten U, et al.
Naunyn Schmiedebergs Arch Pharmacol 292(2):153–9, 25 Feb 76

Lack of correlation between changes in cyclic nucleotides and subsequent induction of tyrosine hydroxylase in rat adrenal medulla. Otten U, et al.
Naunyn Schmiedebergs Arch Pharmacol 293(1):105–8, 24 Mar 76

Activation and nuclear translocation of protein kinase during transsynaptic induction of tyrosine 3–monooxygenase. Costa E, et al. **Proc Natl Acad Sci USA** 73(4):1058–62, Apr 76

Induction of tyrosine 3–monooxygenase in adrenal medulla: role of protein kinase activation and translocation. Kurosawa A, et al. **Science** 193(4254):691–3, 20 Aug 76

ISOLATION & PURIFICATION

Purification of tyrosine hydroxylase from pheochromocytoma tumors. Park DH, et al. **Life Sci** 18(1):55–60, 1 Jan 76

METABOLISM

Evidence for the lack of direct phosphorylation of bovine caudate tyrosine hydroxylase following activation by exposure to enzymatic phosphorylating conditions. Lloyd T, et al. **Biochem Biophys Res Commun** 66(3):907–17, 6 Oct 75

Characteristics of tyrosine hydroxylation in isolated nerve endings. Harris JE, et al. **Biochem Pharmacol** 25(1):91–3, Jan 76

Dopaminergic neurons—alteration in the kinetic properties of tyrosine hydroxylase after cessation of impulse flow. Morgenroth VH 3d, et al. **Biochem Pharmacol** 25(6):655–61, 15 Mar 76

Effects of stereochemical structures of tetrahydropterins on tyrosine hydroxylase. Numata Y, et al.
Biochem Pharmacol 24(21):1998–2000, 1 Nov 75

Tyrosine hydroxylase in snail (Helix pomatia) nervous tissue. Osborne NN, et al. **Biochem Pharmacol** 25(8):925–31, 15 Apr 76

Regulation of adrenal tyrosine hydroxylase activity: neuronal versus local control studied with apomorphine. Quik M, et al. **Biochem Pharmacol** 25(10):1157–66, 15 May 76

Effects of 5,6–dihydroxytryptamine on tyrosine–hydroxylase activity in central catecholaminergic neurons of the rat. Renaud B, et al. **Biochem Pharmacol** 24(18):1739–42, 15 Sep 75

Dopaminergic neurons – alteration in the sensitivity of tyrosine hydroxylase to inhibition by endovenous dopamine after cessation of impulse flow. Walters JR, et al.
Biochem Pharmacol 25(6):649–54, 15 Mar 76 (53 ref.)

Activation of tyrosine hydroxylase by polyanions and salts. An electrostatic effect. Katz IR, et al.
Biochim Biophys Acta 429(1):84–95, 11 Mar 76

Increased tyrosine hydroxylase activity in frontal cortex and cerebellum after reserpine. Black IB. **Brain Res** 95(1):170–6, 12 Sep 75

Abnormal brain catecholamine enzymes in Weaver mutant mice. Black IB. **Brain Res** 105(3):602–5, 9 Apr 76

Apparent intermediate expression of elevated tyrosine hydroxylase activity in brain of Weaver mutant mice. Black IB. **Brain Res** 110(3):635–7, 16 Jul 76

Increase in tyrosine hydroxylase activity in the locus coeruleus of the rat brain after contralateral lesioning. Buda M, et al. **Brain Res** 93(3):564–9, 15 Aug 75

The effect of taget organ removal on the development of sympathetic neurons. Dibner MD, et al. **Brain Res** 103(1):93–102, 13 Feb 76

Developmental variations of tyrosine hydroxylase and acetylcholinesterase in embryonic and post–hatching chicken sympathetic ganglia. Fairman K, et al.
Brain Res 102(2):301–12, 6 Feb 76

Choline acetyltransferase, glutamate decarboxylase and tyrosine hydroxylase in the cochlea and cochlear nucleus of the guinea pig. Fex J, et al. **Brain Res** 109(3):575–85, 18 Jun 76

Time–course variations in tyrosine hydroxylase activity in the rat locus coeruleus after electrolytic destruction of the nuclei raphe dorsalis or raphe centralis. Lewis BD, et al.
Brain Res 108(2):339–49, 28 May 76

Reversible changes in the accumulation and activities of tyrosine hydroxylase and dopamine–beta–hydroxylase in neurons of nucleus locus coeruleus during the retrograde reaction. Ross RA, et al. **Brain Res** 92(1):57–72, 4 Jul 75

Tyrosine hydroxylase and dopamine–beta–hydroxylase: distribution in discrete areas of the rat limbic system. Saavedra JM, et al. **Brain Res** 105(3):517–24, 9 Apr 76

Alterations in neostriatum tyrosine hydroxylase activity and behavior induced by electrical stimulation of the substantia nigra. Schlehuber CJ, et al. **Brain Res** 91(2):341–7, 27 Jun 75

Increase of tyrosine hydroxylase activity after reserpine: evidence for the selective response of noradrenergic neurons. Sorimachi M. **Brain Res** 99(2):400–4, 5 Dec 75

The regulation of the kinetic state of striatal tyrosine hydroxylase and the role of postsynaptic dopamine receptors. Zivkovic B, et al. **Brain Res** 92(3):516–21, 18 Jul 75

Studies on tyrosine hydroxylase in neuroblastoma in relation to urinary levels of catecholamine metabolites. Imashuku S, et al. **Cancer** 36(2):450–7, Aug 75

Dopamine, noradrenaline, octopamine and tyrosine–hydroxylase in the gastropod Helix pomatia. Guthrie PB, et al. **Comp Biochem Physiol [C]** 52(2):109–11, 1 Dec 75

The effect of bilateral lesions of the ventral noradrenergic bundle on endocrine–induced changes of tyrosine hydroxylase in the rat median eminence. Kizer JS, et al.
Endocrinology 98(4):886–93, Apr 76

Sex hormones and tyrosine hydroxylase activity in vascular and adrenal tissue. Kohler C, et al. **Endocrinology** 97(5):1316–20, Nov 75

Influence of methamphetamine on nigral and striatal tyrosine hydroxylase activity and on striatal dopamine levels. Kogan FJ, et al. **Eur J Pharmacol** 36(2):363–71, Apr 76

Influence of castration and testosterone replacement on hypothalamic tyrosine hydroxylase activity in the rat. Beattie CW, et al. **Experientia** 32(8):1076–7, 15 Aug 76

The role of oxygen in the regulation of brain tyrosine hydroxylation. pp. 31–6. Davis JN.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.

Stimulation of striatal tyrosine hydroxylase by cyclic AMP.

pp. 257–64. Goldstein M, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.
Protein phosphorylation and regulation of catecholamine synthesis. pp. 37–44. Lovenberg W, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2. (30 ref.)
Some differences in tyrosine hydroxylase in central noradrenergic and dopaminergic neurons. pp. 53–60. Reis DJ, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.
Apomorphine, and the regulation of adrenal tyrosine hydroxylase. pp. 25–30. Sourkes TL, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.
Role for post–synaptic dopamine receptors in the regulation of the kinetic state of striatal tyrosine hydroxylase. pp. 45–52. Zivkovic B, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.
Ortho– and retrograde trophic effects on adrenergic neurons: regulation of enzyme synthesis by the activity of preganglionic fibers and retrograde axonal transport of nerve growth factor. pp. 229–45. Thoenen H, et al.
In: Berl S, et al., ed. Metabolic compartmentation and neurotransmission. New York, Plenum Press, 1975. W3 N1355 1974m. (68 ref.)
Changes in brainstem monoamine turnover after surgical and chemical denervations of the olfactory system. pp. 285–90. Nakamura K, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.1.
Possible role of catecholamines (CA) in the regulation of adrenal tyrosine hydroxylase (TH). p. 361. Bhagat B, et al.
In: Matthysse SW, Kety SS, ed. Catecholamines and schizophrenia. Oxford, Pergamon Press, 1975. WM 203 S987c 1975.
Modulation of adrenal medullary enzymes by stress. pp. 257–64. Bhagat BD, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Selective alterations of catecholamines and tyrosine hydroxylase activity in the hypothalamus following acute and chronic stress. pp. 29–38. Kobayashi RM, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Effect of alterations in serum calcium on adrenal tyrosine hydroxylase induction. pp. 273–82. Mueller RA, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Modification of adrenal tyrosine hydroxylase activity in rats following manipulation in infancy. pp. 265–70. Pfeifer WD.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Further studies on the enhancement of norepinephrine synthesis during nerve stimulation. pp. 343–51. Weiner N, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
The role of preganglionic nerve activity in the regulation of tyrosine hydroxylase in the superior cervical ganglion. pp. 283–91. Zigmond RE.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.
Lack of effects of testosterone on norepinephrine turnover and tyrosine hydroxylase activity of the rat vas deferens and epididymis. Cardinali DP, et al. **Int J Fertil** (2):114–8, 1976
Cyclic AMP content and regulation of tyrosine–3–mono–oxygenase in rat striatum. Zivkovic B, et al. **J Cyclic Nucleotide Res** 2(1):1–10, 1976
Brain tyrosine hydroxylation: alteration of oxygen affinity in vivo by immobilization or electroshock in the rat. Davis JN. **J Neurochem** 27(1):211–5, Jul 76
Elevation of sympathetic ganglion tyrosine hydroxylase activity in neonatal and adult rats by testosterone treatment. Dibner MD, et al. **J Neurochem** 27(1):323–4, Jul 76
Tyrosine hydroxylase activity in rat brain regions after chronic treatment with +/—propranolol. Peters DA, et al. **J Pharm Pharmacol** 27(9):671–6, Sep 75
Brain tyrosine hydroxylase activity and systolic blood pressure in rats treated with either deoxycorticosterone and salt or angiotensin. Rylett P, et al. **J Pharm Pharmacol** 28(7):559–62, Jul 76
Regulation of tyrosine hydroxylase activity by prostaglandin E1 in guinea pig adrenal gland. Nakashima Y, et al. **Jpn J Pharmacol** 25(5):591–7, Oct 75
Delayed increase of adrenal TH adn PNMT activities following cold stress in the mouse. Hoffman A, et al. **Life Sci** 17(4):557–62, 15 Aug 75
Tyrosine hydroxylase in various brain regions of three strains of mice differing in spontaneous activity, learning ability, and emotionality. Tiplady B, et al. **Life Sci** 18(10):1065–70, 15 May 76
Effect of thyroid status and cold stress on tyrosine hydroxylase activity in adrenal gland and brown adipose tissue. Zenker N, et al. **Life Sci** 18(2):183–8, 15 Jan 76
Turnover rate of tyrosine hydroxylase during Trans–synaptic induction. Chuang D, et al. **Mol Pharmacol** 11(6):784–94, Nov 75
Dopaminergic neurons: activation of tyrosine hydroxylase by a calcium chelator. Morgenroth VH 3d, et al. **Mol Pharmacol** 12(1):41–8, Jan 76
Prolonged activation of tyrosine hydroxylase in noradrenergic neurones of rat brain by cholinergic stimulation. Lewander T, et al. **Nature** 258(5534):440–1, 4 Dec 75
Central action of a catechol–amide seizure–inducing agent: opposing effect on tyrosine and tryptophan hydroxylase activity in vivo. Kellogg C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(2):145–9, May 76
Tyrosine hydroxylase: allosteric activation induced by stimulation of central noradrenergic neurons. Roth RH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(4):327–43, 30 Jul 75
The regulation of striatal tyrosine hydroxylase. Effects of gamma hydroxybutric acid and healperidol. Zivkovic B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(2):193–200, 21 Nov 75
Effects of stress on catecholamines and tyrosine hydroxylase activity of individual hypothalamic nuclei. Palkovits M, et al. **Neuroendocrinology** 18(2):144–53, 1975
Induction of tyrosine hydroxylase in the superior cervical ganglia of rats: opposite influence of muscarinic and nicotinic receptor agonists. Hanbauer I, et al. **Neuropharmacology** 15(2):85–90, Feb 76
Effect of recurrent stress on postnatal increase of tyrosine hydroxylase. Torda C. **Pharmacol Biochem Behav** 3(5):735–8, Sep–Oct 75
ATP, cyclic AMP, and magnesium increase the affinity of rat striatal tyrosine hydroxylase for its cofactor. Lovenberg W, et al. **Proc Natl Acad Sci USA** 72(8):2955–8, Aug 75
Molecular mechanisms in the receptor–mediated regulation of tyrosine hydroxylase. Lovenberg W, et al. **Psychopharmacol Bull** 11(4):11–2, Oct 75
Dopamine neurons: role of impulse flow and presynaptic receptors in the regulation of tyrosine hydroxylase. Roth RH, et al. **Psychopharmacol Bull** 11(4):8, Oct 75
Prenatal reserpine administration: permanent changes in adrenal tyrosine hydroxylase and dopamine beta–hydroxylase. Bartolomé J, et al. **Psychopharmacol Commun** 1(5):465–72, 1975
Catecholamine enzymes in the degenerative neurological disease idiopathic orthostatic hypotension. Black IB, et al. **Science** 192(4242):910–2, 28 May 76
Dynamic changes in activity and amounts of tyrosine hydroxylase in the dopaminergic nigrostriatal system in response to axonal damage. Reis DJ, et al. **Trans Am Neurol Assoc** 100:229–31, 1975
[Tyrosine hydroxylase (author's transl)] Nagatsu T. **Protein Nucleic Acid Enzyme (Tokyo)** 21(3):161–73, 1 Mar 76 **(Jpn)**

TYROSINE PHENOL–LYASE see under **LYASES**

TYROSYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TYROTHRICIN

Some characteristics of the DNA–tyrocidine complex and a possible mechanism of the gramicidin action. Ristow H, et al. **Biochim Biophys Acta** 414(1):1–8, 18 Nov 75

PHARMACODYNAMICS

Tyrocidine and the linear gramicidin. Do these peptide antibiotics play an antagonistic regulative role in sporulation? Ristow H, et al. **Biochim Biophys Acta** 390(2):246–52, 1 May 75

THERAPEUTIC USE

[Marine–dental experiences with the symptomatic local drug Corti–Dynexan] Löpelmann J. **ZWR** 83(10):531–5, 25 May 74 **(Ger)**

UBIQUINONE

The effect of antimycin A on cytochromes b561, b566, and their relationship to ubiquinone and the iron–sulfer centers S–1 (+N–2) and S–3. Ereciñska M, et al. **Arch Biochem Biophys** 174(1):143–57, May 76
The polypeptide composition of ubiquinone–cytochrome c reductase (complex III) from beef heart mitochondria. Bell RL, et al. **Biochemistry** 15(5):996–1001, 9 Mar 76
The interaction of the radicals of ubiquinone in mitochondrial electron transport. Kröger A. **FEBS Lett** 65(3):278–80, 15 Jun 76
Polarographic studies on ubiquinone–10 and rhodoquinone bound with chromatophores from Rhodospirillum rubrum. Erabi T, et al. **J Biochem (Tokyo)** 78(4):795–801, October 75
Thermodynamic and EPR characteristics of two ferredoxin–type iron–sulfur centers in the succinate–ubiquinone reductase segment of the respiratory chain. Ohnishi T, et al. **J Biol Chem** 241(7):2094–104, 10 Apr 76
Coenzyme Q: a molecular orbital study. Breen DL. **J Theor Biol** 53(1):101–13, Sep 75

ANALOGS & DERIVATIVES

Polarographic studies on ubiquinone–10 and rhodoquinone bound with chromatophores from Rhodospirillum rubrum. Erabi T, et al. **J Biochem (Tokyo)** 78(4):795–801, October 75
Interaction of ubisemiquinone with a paramagnetic component in heart tissue. Ruzicka FJ, et al. **Proc Natl Acad Sci USA** 72(8):2886–90, Aug 75

ANALYSIS

Effect of chronic hypobaric hypoxia on ubiquinone levels in heart muscle. Costa LE, et al. **Acta Physiol Lat Am** 24(6):631–7, 1974
[Distribution of ubiquinones (coenzyme Q) in Gram negative bacillae] Denis FA, et al. **C R Soc Biol (Paris)** 169(2):380–3, 1975 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Models for clinical disease. I. Biochemical cardiotoxicity of a coenzyme Q10–inhibitor in rats. Combs AB, et al. **Res Commun Chem Pathol Pharmacol** 13(2):333–9, Feb 76
Anticoagulant activity of a naphthoquinone analog of vitamin K and an inhibitor of coenzyme Q10– enzyme systems. Combs AB, et al. **Res Commun Chem Pathol Pharmacol** 13(1):109–14, Jan 76
Bioenergetics in clinical medicine. III. Inhibition of coenzyme Q10–enzymes by clinically used anti–hypertensive drugs. Kishi H, et al. **Res Commun Chem Pathol Pharmacol** 12(3):533–40, Nov 75

BIOSYNTHESIS

Membrane–associated reactions in ubiquinone biosynthesis. 2–Octaprenyl–3–methyl–5–hydroxy–6–methoxy–1,4–benzo methyltransferase. Leppik RA, et al. **Biochim Biophys Acta** 428(1):146–56, 25 Mar 76
Membrane–associated reactions in ubiquinone biosynthesis in Escherichia coli. 3–Octaprenyl–4–hydroxybenzoate carboxy–lyase. Leppik RA, et al. **Biochim Biophys Acta** 436(4):800–10, 15 Jul 76
Actinomycin D–induced enhancement of ubiquinone biosynthesis in rat. Gopalaswamy UV, et al. **Chem Biol Interact** 14(1–2):67–79, Jul 76

DEFICIENCY

Bioenergetics in clinical medicine. IX. Gingival and leucocytic deficiencies of coenzyme Q10 in patients with periodontal disease. Hansen IL, et al. **Res Commun Chem Pathol Pharmacol** 14(4):729–38, Aug 76

ISOLATION & PURIFICATION

High–performance liquid chromatography of ubiquinones, ficaprenols and dolichols. Donnahey PL, et al. **Biochem Soc Trans** 3(5):775–6, 1975

METABOLISM

Composition and enzymatic properties of the mitochondrial NADH– and NADPH–ubiquinone reductase (complex I). Hatefi Y. **Adv Exp Med Biol** 74:150–60, 1976
The inhibition of NADH oxidase by the lower homologs of coenzyme Q. Lenaz G, et al. **Arch Biochem Biophys** 169(1):217–26, Jul 75
Ubiquinone–cytochrome b electron and proton transfer: a functional pK on cytochrome b50 in Rhodopseudomonas sphaeroides membranes. Petty KM, et al. **Arch Biochem Biophys** 172(2):346–53, Feb 76
Properties of the flash–induced proton binding encountered in membranes of Rhodopseudomonas sphaeroides: a functional pK on the ubisemiquinone? Petty KM, et al. **Arch Biochem Biophys** 172(2):335–45, Feb 76
Picosecond kinetics in reaction centers of Rps. sphaeroides and the effects of ubiquinone extraction and reconstitution. Kaufmann KJ, et al. **Biochem Biophys Res Commun** 70(3):839–45, 7 Jun 76
Role of ubiquinone in the mitochondrial generation of hydrogen peroxide. Boveris A, et al. **Biochem J** 156(2):435–44, 15 May 76
12–(9–Anthroyl)stearic acid, a fluorescent probe for the ubiquinone region of the mitochondrial membrane. Chance B, et al. **Eur J Biochem** 54(2):521–9, Jun 75
A transmembrane location for the proton–translocating reduced ubiquinone leads to nitrate reductase segment of the respiration chain of Escherichia coli. Boxer DH, et al. **FEBS Lett** 60(1):54–7, 1 Dec 75
Protonmotive redox mechanism of the cytochrome b–c1 complex in the respiratory chain: protonmotive ubiquinone cycle. Mitchell P. **FEBS Lett** 56(1):1–6, 1 Aug 75
The involvement of the protonmotive ubiquinone cycle in the respiratory chain of higher plants and its relation to the branchpoint of the alternate pathway. Rich PR, et al. **FEBS Lett** 65(3):339–44, 15 Jun 76
Electron transfer and energy coupling at the NADH–ubiquinone segment of mitochondria. pp. 167–81. Estrada–O S, et al.
In: Packer L, Gómez–Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975. (55 ref.)
Coenzyme Q deficiency in mice following infection with Friend leukemia virus. Bliznakov E, et al.

Int J Vitam Nutr Res 45(4):388–95, 1975

Membrane-bound respiratory of Spirillum itersonii. Dailey HA Jr. **J Bacteriol** 127(3):1286–91, Sep 76

Role of ubiquinone-10 in electron transport system of chromatophores from Rhodospirillum rubrum. Higuti T, et al. **J Biochem (Tokyo)** 78(1):51–6, Jul 75

Electron transfer across membranes using vitamin K1 and coenzyme Q10 as carrier molecules. Anderson SS, et al. **Nature** 259(5539):147–8, 15 Jan 76

Primary acceptor in bacterial photosynthesis: obligatory role of ubiquinone in photoactive reaction centers of Rhodopseudomonas spheroides. Okamura MY, et al. **Proc Natl Acad Sci USA** 72(9):3491–5, Sep 75

[Ubiquinone content in albino rat kidney mitochondria following unilateral nephrectomy] Fedurov VV. **Biull Eksp Biol Med** 80(7):41–3, Jul 75 (Eng. Abstr.) **(Rus)**

[The concentration and bisynthesis of ubiquinone-9 in the liver of white rats adapted to altitude hypoxia] Fedurov VV. **Biull Eksp Biol Med** 81(2):179–81, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of training for increased physical loads on the concentration and biosynthesis of ubiquinones in rat skeletal muscle] Fedurov VV. **Biull Eksp Biol Med** 82(7):810–1, Jul 76 (Eng. Abstr.) **(Rus)**

[Influence of glucocorticoid hormones on the pool and intracellular distribution of ubiquinone in the tissues of rats] Provodnikova AS. **Probl Endokrinol (Mosk)** 21(4):95–8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of phenylalanine and alpha-tocopherol on ubiquinone and ubichromenol metabolism in the liver of E-avitaminotic rats in vitro] Chernukhina LA, et al. **Ukr Biokhim Zh** 48(2):206–10, Mar-Apr 76 (Eng. Abstr.) **(Ukr)**

[Content of ubiquinone and ubichromenol in rat liver at various levels of vitamin E saturation of the body] Chernukhina LO, et al. **Ukr Biokhim Zh** 47(4):518–21, Jul-Aug 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

Coordinated, coenzyme Q reversible, 2,5-dibromothymoquionine inhibition of electron transport and ATPase in Escherichia coli. Sun IL, et al. **Biochem Biophys Res Commun** 68(1):190–6, 12 Jan 76

Essentiality of ubiquinone for choline oxidation in rat liver mitochondria. Barrett MC, et al. **Biochem J** 148(3):595–7, Jun 75

Letter: Prevention by coenzyme Q10 (NSC-140865) of the inhibition by adriamycin (NSC-123127) of coenzyme Q10 enzymes. Kishi T, et al. **Cancer Treat Rep** 60(3):223-4?U9ENG, Mar 76

Ubiquinone-mediated coupling of NADH dehydrogenase to active transport in membrane vesicles from Escherichia coli. Stroobant P, et al. **Proc Natl Acad Sci USA** 72(10):3970–4, Oct 75

Effect of coenzyme Q10 on electrolyte metabolism and the interaction with aldosterone in rats and dogs. Igarashi T, et al. **Proc West Pharmacol Soc** 18:399–402, 1975

[Effects of coenzyme Q10 on the blood pressure and renal renin content in spontaneously hypertensive rats] Morotomi Y, et al. **Acta Med (Fukuoka)** 45(5):303–8, Nov 75 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

A clinical study of the effect of coenzyme Q on congestive heart failure. Ishiyama T, et al. **Jpn Heart J** 17(1):32–42, Jan 76

Bioenergetics in clinical medicine. II. Adjunctive treatment with coenzyme Q in periodontal therapy. Wilkinson EG, et al. **Res Commun Chem Pathol Pharmacol** 12(1):111–23, Sep 75

Bioenergetics in clinical medicine. VI. adjunctive treatment of periodontal disease with coenzyme Q10. Wilkinson EG, et al. **Res Commun Chem Pathol Pharmacol** 14(4):715–9, Aug 76

Bioenergetics in clinical medicine. VIII. Adminstration of coenzyme Q10 to patients with essential hypertension. Yamagami T, et al. **Res Commun Chem Pathol Pharmacol** 14(4):721–7, Aug 76

UDDER

Bovine herpes mammillitis of dairy cattle in Victoria. Turner AJ, et al. **Aust Vet J** 52(4):170–3, Apr 76

Isolation and characterisation of bovine herpesvirus mammillitis virus and its pathogenicity for cattle. Turner AJ, et al. **Aust Vet J** 52(4):166–9, Apr 76

[Traumatic dermatitis crustosa of the bovine udder] Giesecke WH. **J S Afr Vet Assoc** 46(2):216, Jun 75 **(Eng, Afr)**

Electric shocks during machine milking. Whittlestone WG, et al. **NZ Vet J** 23(6):105–8, Jun 75

Dry period teat seal. Meaney WJ. **Vet Rec** 99(2):30, 10 Jul 76

[Leukemic tumor the size of a child's head on the udder of a cow] **Dtsch Tieraerztl Wochenschr** 82(12):498, 5 Dec 75 **(Ger)**

[Experiences with the officially recognized udder health service in Lower Saxony. 1. Results of the milk producer consultation] Frank W. **Dtsch Tieraerztl Wochenschr** 83(7):332–7, 5 Jul 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

On biological properties of a factor(s) in extracts from tumours and rapidly growing normal tissues. Mangakis N. **Radiobiol Radiother (Berl)** 15(2):309–27, 1974

BLOOD SUPPLY

[Vascular supply of the sheep udder] Stojanowić V. **Anat Anz** 138(3):240–50, 1975 **(Ger)**

[Adrenergic receptors in the blood vessels of the udder in lactating cows] Dhondt G, et al. **Zentralbl Veterinaermed [A]** 23(04):331–7, May 76 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Cellular studies of mammary tissue from cows hormonally induced into lactation: histology and ultrastructure. Croom WJ, et al. **J Dairy Sci** 59(7):1232–46, Jul 76

DRUG EFFECTS

Response of mammary tissue from pregnant goats to prolactin and growth hormone in organ culture. Skarda J, et al. **J Endocrinol** 67(1):129–30, Oct 75

[Nerve block of the pelvic organs and udder in cows] Fateev GS. **Veterinariia** (9):95–7, Sep 75 **(Rus)**

[Effectiveness of sanitary measures in the prevention of mastitis in cows] Kartashova VM, et al. **Veterinariia** (10):76–8, Oct 75 **(Rus)**

ENZYMOLOGY

Membranes of mammary gland. XI. Marker enzyme distribution profiles for membranous components from bovine mammary gland. Baumrucker CR, et al. **J Dairy Sci** 58(9):1282–7, Sep 75

GROWTH & DEVELOPMENT

Growth, development and composition of the udder and gravid uterus of beef heifers during pregnancy. Ferrell CL, et al. **J Anim Sci** 42(6):1477–89, Jun 76

IMMUNOLOGY

Leukocyte response of bovine mammary gland to injection of killed cells and cell walls of Staphylococcus aureus. Targowski SP, et al. **Am J Vet Res** 36(11):1561–5, Nov 75

INJURIES

Amputation of bovine medial dew claws on hindlegs as an aid in controlling teat trauma. Anderson JF, et al. **Vet Med Small Anim Clin** 71(1):73–6, Jan 76

[Nipple-wounds in the cattle. Etiology, assessment and treatment] Kubicek J. **Tieraerztl Prax** 4(2):185–98, 1976 **(Ger)**

INNERVATION

[Histological and histochemical studies of the mammary gland innervation in cattle (Bost taurus L.)] Schneider B, et al. **Z Mikrosk Anat Forsch** 89(2):231–8, 1975 (Eng. Abstr.) **(Ger)**

[The nervous component of the udder in Ovis aries] d'Angelo A, et al. **Boll Soc Ital Biol Sper** 52(4):228–31, 28 Feb 76 **(Ita)**

METABOLISM

Metabolism of (14C)citrulline in the perfused sheep and goat udder. Roets E, et al. **Biochem J** 144(3):435–46, Dec 74

Binding of antibiotics to dry udder secretion and to udder tissue homogenates. Ziv G, et al. **Br Vet J** 132(3):318–22, May-Jun 76

Absorption of ampicillin derivatives from the bovine udder. Ziv G. **Isr J Med Sci** 12(3):260–3, Mar 76

Metabolism of arginine and ornithine in the cow and rabbit mammary tissue. Clark JH, et al. **J Dairy Sci** 58(12):1808–13, Dec 75

Cellular studies of mammary tissue from cows hormonally induced into lactation: lactose and fatty acid synthesis. Collier RJ, et al. **J Dairy Sci** 59(7):1226–31, Jul 76

Characterization of fatty acid synthesis by cow mammary subcellular fractions. DeKay DE, et al. **J Dairy Sci** 59(8):1513–7, Aug 76

Effects of adrenalectomy upon ruminant liver and mammary function during lactation. Ely LO, et al. **J Dairy Sci** 59(3):491–503, Mar 76

Corticoid binding in mammary tissue slices from lactating cows. Gorewit RC, et al. **J Dairy Sci** 59(2):232–40, Feb 76

Comparison of binding proteins of glucocorticoids in mammary tissue and in blood sera from lactating cows. Gorewit RC, et al. **J Dairy Sci** 59(7):1247–53, Jul 76

Cellular gluconeogenesis by lactating bovine mammary tissue. Scott RA, et al. **J Dairy Sci** 59(1):50–6, Jan 76

Mammary transfer of vitamin A alcohol and ester in lactating dairy cows. Tomlinson JE, et al. **J Dairy Sci** 59(4):607–13, Apr 76

Metabolic clearance rate, production rate, and mammary uptake and metabolism of progesterone in cows. Heap RB, et al. **J Endocrinol** 66(2):239–47, Aug 75

MICROBIOLOGY

The goat mammary gland as a model infection site for Neisseria gonorrhoeae. Pasieka AE, et al. **Br J Vener Dis** 52(3):170–1, Jun 76

The immune response of rabbits to 3 strains of Mycoplasma agalactiae var. bovis isolated from mastitic bovine udders. Carroll EJ, et al. **Cornell Vet** 66(2):143–51, Apr 76

Effectiveness of certain teat dips and sanitizers in vitro and on teat skin against Mycoplasma agalactiae subsp. bovis. Jasper DE, et al. **Cornell Vet** 66(2):164–71, Apr 76

Serological studies on staphylococci from bovine udder. Yadav MS, et al. **Indian J Exp Biol** 13(5):498–9, Sep 75

Selective adhesion of microorganisms to the ductular epithelium of the bovine mammary gland. Frost AJ. **Infect Immun** 12(5):1154–6, Nov 75

Variations in the susceptibility of lactating and non-lactating bovine udders to infection when infused with Escherichia coli. Bramley AJ. **J Dairy Res** 43(2):205–11, Jun 76

Effect of coliform challenge at milking time on new udder infections. DeHart DA, et al. **J Dairy Sci** 59(6):1124–30, Jun 76

Biological and ecological investigations on thiamineless dwarf-colony variants of Staphylococcus aureus of bovine udder origin. Ziv G, et al. **Res Vet Sci** 20(3):281–7, May 76

Studies on the pathogenicity of thiamineless dwarf-colony variants of Staphylococcus aureus isolated from the bovine udder. Ziv G, et al. **Res Vet Sci** 20(3):288–94, May 76

Bacterial flora of the udder and in vitro antibiotic sensitivity in Nigerian goats. Falade S. **West Afr J Pharmacol Drug Res** 2(1):79–83, Dec 74

Public health importance of buffaloes and cows udder tissues. Elmossalami E, et al. **Zentralbl Veterinaermed [B]** 23(7):529–35, Aug 76

[Characteristics of the staphylococci isolated from the udder of cows with mastitis] Dincheva E, et al. **Vet Med Nauki** 13(4):77–83, 1976 (Eng. Abstr.) **(Bul)**

[Inspection of the bovine udder (author's transl)] Nooitgedagt AJ. **Tijdschr Diergeneeskd** 101(10):537–42, 15 May 76 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Letter: Infestation of the bovine mammary gland with the leech Goddardobdella elegans. Sobari S, et al. **Aust Vet J** 52(4):197–8, Apr 76

[Histological studies on cow udders after treatment with an udder protective agent] Lindt S. **Schweiz Arch Tierheilkd** 118(2):77–80, Feb 76 **(Ger)**

PHYSIOLOGY

Artificial induction of lactation in ewes: the relative importance of oxytocin and the milking stimulus. Fulkerson WJ, et al. **Aust J Biol Sci** 28(5–6):521–4, Dec 75

Artificial induction of lactation by hypothalamic implantation of perphenazine in virgin goats. Messom GV, et al. **J Dairy Res** 43(1):9–17, Feb 76

Reduction of the incidence of new mastitis infections by 'pre-squirting' teats. Thompson PD, et al. **J Dairy Sci** 59(1):120–6, Jan 76

Lactoferrin concentration during involution of the bovine mammary gland. Welty FK, et al. **J Dairy Sci** 59(2):224–31, Feb 76

Absorption of antibiotics by the bovine udder. Ziv G, et al. **J Dairy Sci** 58(11):1637–44, Nov 75

RADIOGRAPHY

Radiographic method for anatomic study of the teat canal: characteristics related to resistance to new intramammary infection during lactation and the early dry period. McDonald JS. **Cornell Vet** 65(4):492–9, Oct 75

SECRETION

Secretory activity of goat mammary glands during pregnancy and the onset of lactation. Fleet IR, et al. **J Physiol (Lond)** 251(3):763–73, Oct 75

ULTRASTRUCTURE

The identification and ultrastructure of macrophages from the mammary gland of the ewe. Lee CS, et al. **Aust J Exp Biol Med Sci** 54(1):43–55, Feb 76

The fine structure of mast cells in the normal bovine mammary gland. Nielsen EH. **Zentralbl Veterinaermed [C]** 4(4):360–7, Nov 75

UDP ACETYLGLUCOSAMINE 2-EPIMERASE see under **CARBOHYDRATE ISOMERASES**

UDP GLUCURONOSYLTRANSFERASE see under **HEXOSYLTRANSFERASES**

ULCER

see related
CORNEAL ULCER
PEPTIC ULCER
SKIN ULCER

Ulcerans ulcer: the sore that heals in vain. Radford AJ. **Int J Dermatol** 14(6):422–4, Jul-Aug 75

Neurotrophic ulcer of the oral mucous membrane--a complication of surgical treatment for trigeminal neuralgia. Eggleston DJ. **NZ Dent J** 71(325):146–7, Jul 75

Solitary rectal ulcer syndrome. Rutter KR. **Proc R Soc Med** 68(1):22–6, Jan 75

CHEMICALLY INDUCED

Discrete colonic ulcers associated with oral contraceptives. Bernardino ME, et al. **Am J Dig Dis** 21(6):503–6, Jun 76

Stenosing ulcers of the small intestine associated with slow release potassium tablets. Heffernan SJ, et al. **Ir Med J** 68(15):366–8, 9 Aug 75

Esophageal ulcers associated with tetracycline therapy. Crowson TD, et al. **JAMA** 235(25):2747–8, 21 Jun 76

Aspirin and gastric ulcer. Cameron AJ. **Mayo Clin Proc** 50(10):565–70, Oct 75

[Ulcerous stenosis of the small intestine following prolonged ingestion of potassium chloride in a subject with hypokalemic familial periodic paralysis] Terrasse J, et al. **Ann Med Interne (Paris)** 126(8–9):681–6, Aug–Sep 75 **(Fre)**

COMPLICATIONS

[Non-specific ulceration of the small intestine resulting in fatal intestinal perforation after diabetic coma—an autopsy case] Toyama K, et al. **Jpn J Gastroenterol** 72(12):1528–37, Dec 75 (Eng. Abstr.) **(Jpn)**

[Recurrent perforation of typhoid ulcers of the small intestine] Mun NV, et al. **Sov Med** (8):146–7, Aug 75 **(Rus)**

DIAGNOSIS

Radiographic and endoscopic features of colonic ulcers in systemic lupus erythematosus. Tsuchiya M, et al. **Am J Gastroenterol** 64(4):277–85, Oct 75

[Solitary ulcer of the rectum. Apropos of 5 cases] Garoui H, et al. **Tunis Med** 53(2):87–96, Mar–Apr 75 **(Fre)**

[Interstitial cystitis=autoimmune cyatitis? Interstitial as a participating disease in lupus erythematosus] Kárpáti F, et al. **Z Urol Nephrol** 68(9):633–9, Sep 75 **(Ger)**

DRUG THERAPY

Treatment of ulcer bladder with asiaticoside. Etrebi A, et al. **J Egypt Med Assoc** 58(5–6):324–7, 1975

Cyanoacrylate as an adhesive for other medicaments: a study with triamcinalone on the healing of experimental oral ulcers. Sonis S, et al. **Pharmacol Ther Dent** :147–56, 1975

ETIOLOGY

Intraoral ulcers of questionable origin. Leider AS. **J Am Dent Assoc** 92(6):1177–8, Jun 76

Amorous lingual motions (letter). Pieroni NA. **J Am Dent Assoc** 93(3):517, Sep 76

Felty's syndrome. Freeman NS, et al. **Oral Surg** 40(3):409–13, Sep 75

[Acute amebic abscess of the liver followed by colonic ulcers. Report of 2 cases] Chigot JP, et al. **J Chir (Paris)** 110(5):439–44, Nov 75 (Eng. Abstr.) **(Fre)**

[Acquired ulcero-mutilating acropathies in adults. Critical study of 150 personal cases] Barriere H, et al. **Sem Hop Paris** 51(9):595-^, 20 Feb 75 (Eng. Abstr.) **(Fre)**

[Treatment of post-traumatic heel ulcer] Hort W. **Z Orthop** 113(4):727–9, Aug 75 **(Ger)**

[Gastrinemic and cortisolemic values in brain-damaged patients. (Attempt at a pathogenetic interpretation of stress ulcers)] Abeatici S, et al. **Chir Patol Sper** 23(6):408–31, Dec 75 (Eng. Abstr.) **(Ita)**

[Erosion of the portal vein with hemorrhage into the duodenum and ulcer of the anterior thoracic wall penetrating to the pericardium in a patient with lymphogranulomatosis] Otstavnova EI, et al. **Probl Gematol Pereliv Krovi** 20(10):52–4, Oct 75 **(Rus)**

FAMILIAL & GENETIC

[Pedal arteriovenous shunt in the treatment of trophic disorders of ulcero-mutilating acropathy] Lefaucher C, et al. **Nouv Presse Med** 4(32):2325–6, 4 Oct 75 **(Fre)**

IMMUNOLOGY

Immunoserological study on intractable oral cavity ulcer. Fukunaga T, et al. **Kumamoto Med J** 28(2):100–4, 30 Jun 75

MICROBIOLOGY

[Bacteriological investigations and animal experiments with Mycobacterium ulcerans (Tübingen 1971) (author's transl)] Ullmann U, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):318–27, Jul 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The solitary ulcer syndrome of the rectum. Rutter KR, et al. **Clin Gastroenterol** 4(3):505–30, Sep 75

Herpetiform ulceration. Brooke RI, et al. **Oral Surg** 42(2):182–8, Aug 76

[Ulcerated plaques of the carotid artery bifurcation] Purriel JA, et al. **Acta Neurol Lat Am** 20(1–4):22–8, 1974 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Effects of zinc chloride on gastric secretion and ulcer formation in pylorus-occluded rats. Cho CH, et al. **Eur J Pharmacol** 38(2):337–41, Aug 76

RADIOGRAPHY

[Roentgen diagnosis of esophageal ulcers] Ovchinnikov VI, et al. **Vrach Delo** (8):88–91, Aug 75 **(Rus)**

SURGERY

Stercoraceous ulcer. Russell WL. **Am Surg** 42(6):416–20, Jun 76

THERAPY

[Local management of the bladder in patients with interstitial cystitis as reflected by the regranulation of mastocytes] Kárpáti F, et al. **Z Urol Nephrol** 68(9):625–31, Sep 75 **(Ger)**

[Collagen—a semi-biological product used in dressings and as an adhesive carrier] Smolarek F, et al. **Polim Med** 4(4):353–7, 1974 (Eng. Abstr.) **(Pol)**

VETERINARY

[Toe- and footpad ulcers in fattening turkeys] Schmidt V, et al. **Berl Munch Tieraerztl Wochenschr** 89(3):47–50, 1 Feb 76 **(Ger)**

ULNA

Osteoid osteoma of the ulna in a Negro child: a case report. Powers RC. **Clin Orthop** (118):157–8, Jul–Aug 76

Correction of ulnar subluxation of the extensor communis. Kilgore ES, et al. **Hand** 7(3):272–4, Oct 75

Osteochondromatosis in the racing greyhound. Power JW. **J Small Anim Pract** 16(12):803–7, Dec 75

Ulnar collateral ligament injuries of the thumb in athletes. McCue FC 3d, et al. **J Sports Med** 2(2):70–80, Mar–Apr 75

Isolated lesions of the radio-ulnar disk treated with excision. Mossing N. **Scand J Plast Reconstr Surg** 9(3):231–3, 1975

ABNORMALITIES

Ulna duplicity with radius defect and octodactyly. Fazekas A, et al. **Anthropol Anz** 34(2):126–8, May 74

B—microcephaly, short stature, radioulnar synostosis and ptosis. Jorgensen RJ. **Birth Defects** 10(5):196–7, 1974

Studies of malformation syndromes in man XXXXII: a pleiotropic dominant mutation affecting skeletal, sexual and apocrine-mammary development. Pallister PD, et al. **Birth Defects** 12(5):247–54, 1976

Dominantly inherited ulnar drift. Stevenson RE, et al. **Birth Defects** 11(5):75–7, 1975

Ulnar dysmelia. Ogden JA, et al. **J Bone Joint Surg [Am]** 58(4):467–75, Jun 76

ANALYSIS

Proceedings: Experimental use of photon absorptiometry in animal research models. Griffith H, et al. **Am J Roentgenol** 126(6):1309, Jun 76

Proceedings: Percentages of cortical and trabecular bone mineral mass in the radius and ulna. Schlenker RA. **Am J Roentgenol** 126(6):1309–12, Jun 76

ANATOMY & HISTOLOGY

Analysis of an early hominid ulna from the Omo Basin, Ethiopia. McHenry HM, et al. **Am J Phys Anthropol** 44(2):295–304, Mar 76

[Anatomy of the sulcus of the extensor carpi radialis tendon (author's transl)] Radke J, et al. **Z Orthop** 113(5):864–9, Oct 75 (Eng. Abstr.) **(Ger)**

[The morphology of the ulna in Macacus rhesus and Macacus cynomolgus (author's transl)] Lize I, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:27–35, 1975 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

Thrombosis of the ulnar artery in the hand. Herndon WA, et al. **J Bone Joint Surg [Am]** 57(7):994–5, Oct 75

A problem in hemodialysis management: fibromuscular dysplasia of radial and ulnar arteries—report of a case. Zucker MI, et al. **J Urol** 115(5):606–7, May 76

[Traumatic damage of ulnar artery (author's transl)] Simkovic I. **Acta Chir Orthop Traumatol Cech** 42(4):292–4, Aug 75 (Eng. Abstr.) **(Slo)**

INJURIES

The importance of the ulnar side of the wrist in fractures of the distal end of the radius. Hollingsworth R, et al. **Injury** 7(4):263–6, May 76

Galeazzi fracture-dislocations. Mikić ZD. **J Bone Joint Surg [Am]** 57(8):1071–80, Dec 75

METABOLISM

Proceedings: Bone mineral determinations on long-term diabetics. Ringe JD, et al. **Am J Roentgenol** 126(6):1300–1, Jun 76

PHYSIOLOGY

In vivo determination of mechanical properties of the human ulna by means of mechanical impedance tests: experimental results and improved mathematical model. Young DR, et al. **Med Biol Eng** 14(3):253–62, May 76

[Why does a forearm have two bones? (author's transl)] Kapandji A. **Ann Chir** 29(5):463–70, May 75 (Eng. Abstr.) **(Fre)**

[The method of impact studies on human ulnae and radii] Ehler E, et al. **Anat Anz** 138(1–2):1–10, 1975 **(Ger)**

[Physico-mechanical properties of the forearm bones] Ornshtein EG, et al. **Ortop Travmatol Protez** (10):45–8, Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Proceedings: The relationships between bending stiffness, mineral content, geometry, and strength of the human ulna. Foltz AS, et al. **Am J Roentgenol** 126(6):1270–1, Jun 76

RADIOGRAPHY

Rheumatoid wrist deformities and their relation to ulnar drift. Hastings DE, et al. **J Bone Joint Surg [Am]** 57(7):930–4, Oct 75

SURGERY

Screw fixation of the olecranon after fracture or osteotomy. Wadsworth TG. **Clin Orthop** (119):197–201, Sep 76

Correction of ulnar subluxation of the extensor communis. Kilgore ES, et al. **Hand** 7(3):272–4, Oct 75

Indication... for and results with the Swanson distal ulnar prosthesis. Berg E. **South Med J** 69(7):858–61, Jul 76

[Essential osteolysis (trial treatment by endoprosthesis] Talar V. **Ortop Travmatol Protez** (5):6–11, May 75 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

On the role of biological preparation of recipient bed in free transplantation of bone. Limberg AA, et al. **Acta Chir Plast (Praha)** 17(1–2):12–9, 1975

ULNA FRACTURES

Monteggia lesions and their complicating nerve damage. Jessing P. **Acta Orthop Scand** 46(4):601–9, Sep 75

[Recent malleolar fractures in adults] Delvecchio E, et al. **Chir Organi Mov** 61(6):711–44, 1975 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Management of massive defects in radius and ulna following wringer injury. A case report. Akbarnia BA, et al. **Clin Orthop** (116):167–9, May 76

Contracture of fingers due to fixation of the flexor profundus digitorum to the ulna. Jeffery CC. **Hand** 8(1):32–5, Feb 76

Tardy palsy of the radial nerve from a Monteggia fracture. Austin R. **Injury** 7(3):202–4, Feb 76

[Monteggia's fracture with lateral luxation of the radial head] Germain JP. **Union Med Can** 105(1):56–60, Jan 76 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Fractures of the distal radial epiphysis in adolescent weight lifters. Ryan JR, et al. **Am J Sports Med** 4(1):26–7, Jan–Feb 76

Pathologic fracture of the ulna secondary to metastatic vulvar carcinoma: report of a case. Seltzer VL, et al. **Gynecol Oncol** 4(2):232–7, Jun 76

PATHOLOGY

Fractures of the radius and ulna in children. Thomas EM, et al. **Injury** 7(2):120–4, Nov 75

RADIOGRAPHY

Spontaneous fractures of the olecranon process in rheumatoid arthritis. Rappoport AS, et al. **Radiology** 119(1):83–4, Apr 76

SURGERY

Complete division of the ulnar nerve as a complication of medullary fixation of fractured olecranon. Elsahy NI. **Acta Chir Plast (Praha)** 17(3):150–2, 1975

Küntscher intramedullary reaming and nail fixation for nonunion of the forearm. Christensen NO. **Clin Orthop** (116):215–21, May 76

Screw fixation of the olecranon after fracture or osteotomy. Wadsworth TG. **Clin Orthop** (119):197–201, Sep 76

Skeletal traction and cast fixation for fractures of the distal portion of the forearm. Botwin CA. **J Am Osteopath Assoc** 75(9):830–3, May 76

The use of the Zuelzer hook plate in fixation of olecranon fractures. Weseley MS, et al. **J Bone Joint Surg [Am]** 58(6):859–63, Sep 76

Fracture dislocation in the ulnar carpometacarpal joints. Open reduction and pinning—a case report. Hagström P. **Scand J Plast Reconstr Surg** 9(3):249–51, 1975

[Osteosynthesis of the olecranon by means of a hooked splint (author's transl)] Honěk A. **Acta Chir Orthop Traumatol Cech** 42(5):472–3, Oct 75 (Eng. Abstr.) **(Cze)**

[Fractures of the olecranon; late results (authors's transl)] Hofbauer F, et al. **Arch Orthop Unfallchir** 84(2):235–47, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Problem of the surgical treatment of radius head and olecranon fractures (5-year report from the point of view of a district hospital)] Kopp P. **Beitr Orthop Traumatol** 22(9):483–94, Sep 75 **(Ger)**

[Olecranon fractures. Methods of treatment and results]

Babayan R. **Med Welt** 27(11):533–7, 12 Mar 76 **(Ger)**

[Errors and complications in treatment of close diaphyseal fractures of the forearm bones] Beliakov AA, et al. **Ortop Travmatol Protez** (10):52–3, Oct 75 **(Rus)**

[Remote results of the treatment of fractures of the distal portion of the bones of the forearm] Sekretov NA. **Vestn Khir** 114(4):93–5, Apr 75 (Eng. Abstr.) **(Rus)**

[Treatment of open war injuries of the limbs in Ethiopia during the 3-year period with regard to 2 cases where a big part of the ulnar bone was missing] Milosevic V. **Acta Chir Iugosl** 23(1 Suppl):255–60, 1976 **(Ser)**

THERAPY

Olecranon fractures in children. Newell RL. **Injury** 7(1):33–6, Aug 75

[Fractures of the olecranon; late results (authors's transl)] Hofbauer F, et al. **Arch Orthop Unfallchir** 84(2):235–47, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Isolated fractures of the coronoid processus of the ulna (author's transl)] Stanković P, et al. **Unfallheilkunde** 79(9):395–8, Sep 76 **(Ger)**

VETERINARY

Orthopedic problem. Hurov L. **Can Vet J** 16(10):315–6, Oct 75

The surgical treatment of fractures of the olecranon in the horse. Denny HR. **Equine Vet J** 8(1):20–5, Jan 76

Repair of fractured radius and ulna in a brown bat. Northway RB. **Vet Med Small Anim Clin** 70(8):952, Aug 75

ULNAR NERVE

Ulnar neuropathy after liquid nitrogen cryotherapy. Finelli PF. **Arch Dermatol** 111(10):1340–2, Oct 75

Letter: Ulnar neuropathy in bicycle riders. Hoyt CS. **Arch Neurol** 33(5):372, May 76

Letter: Mononeuropathy of the deep palmar branch of the ulnar nerve. Wolfe CV. **Arch Neurol** 33(6):457, Jun 76

Electrodiagnosis of ulnar nerve lesions at the elbow. Bhala RP. **Arch Phys Med Rehabil** 57(5):206–12, May 76

Malignant schwannoma. Herness D, et al. **Hand** 7(3):300–2, Oct 75

An unusual cause of ulnar nerve compression. Hirotani H. **Hand** 7(3):266–8, Oct 75

An unusual cause of ulnar nerve compression. Hirotani H. **Hand** 7(3):266–8, Oct 75

Restoration of pinch grip in traumatic ulnar palsy. Solonen KA, et al. **Hand** 8(1):39–44, Feb 76

Pressure palsy of the ulnar nerve with prolonged conduction block. Harrison MJ. **J Neurol Neurosurg Psychiatry** 39(1):96–9, Jan 76

Local gigantism of the hand associated with a plexiform neurofibroma of the ulnar nerve. Report of a case. Brihaye J, et al. **J Neurosurg Sci** 18(4):271–7, Oct–Dec 74

Case report—calcification of the ulnar nerve in leprosy. Ellis BP. **Lepr Rev** 46(4):297–301, Dec 75

Distal ulnar nerve compression caused by ganglion formation in the loge de Guyon. Case report. Forshell KP, et al. **Scand J Plast Reconstr Surg** 9(1):77–9, 1975

[Ulnar- and median-nerve paralyois as a symptom of traumatic aneurysm of the brachial artery] Suchenwirth RM, et al. **Nervenarzt** 47(5):340–2, May 76 **(Ger)**

[Peripheral nerve damage in upper extremities in glass cutters] Kovarik J, et al. **Neurol Neurochir Pol** 9(6):711–6, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

A variation in the path of the deep motor branch of the ulnar nerve at the wrist. Lassa R, et al. **J Bone Joint Surg [Am]** 57(7):990–1, Oct 75

ANATOMY & HISTOLOGY

Innervation of the hand. Backhouse KM. **Hand** 7(2):107–14, Jun 75

Further observations on the anatomy of the ulnar nerve at the wrist. McFarlane RM, et al. **Hand** 8(2):115–7, Jun 76

[The technic of 'sensorimotor' differentiated fascicular suture of peripheral nerves] Freilinger G, et al. **Handchirurgie** 7(3):133–7, 1975 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Blocking characteristics of etidocaine (Duranest). Löfström B. **Acta Anaesthesiol Scand [Suppl]** (60):21–4, 1975

A comparative study between etidocaine and bupivacaine in ulnar nerve block. Radtke H, et al. **Acta Anaesthesiol Scand [Suppl]** (60):17–20, 1975

[Determination of the variation in conduction speed of motor fibers and the effects of diphenylhydantoin (Phenytoin) and diazepam (Faustan)] Mühlau G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 28(7):423–9, Jul 76 (Eng. Abstr.) **(Ger)**

INJURIES

Complete division of the ulnar nerve as a complication of medullary fixation of fractured olecranon. Elsahy NI. **Acta Chir Plast (Praha)** 17(3):150–2, 1975

Nerve regeneration and thyroid hormone treatment. McQuarrie IG. **J Neurol Sci** 26(4):499–502, Dec 75

Use of extensor pollicis longus tendon as a distal extension for an opponens transfer. Kaplan I, et al. **Plast Reconstr Surg** 57(2):186–9, Feb 76

[Contusion of the ulnar nerve with fibro-lipomatous hypertrophy. A case report] Narakas A. **Handchirurgie** 7(4):163–4, 1975 (Eng. Abstr.) **(Ger)**

[Errors in rendering first aid to patients with injuries of tendons of the flexors and nerves of the forearm] Reziapkin AT, et al. **Ortop Travmatol Protez** (11):13–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Study of muscular evoked potentials by the built-up current in diagnosis of nerve injuries] Bersnev VP. **Vopr Neirokhir** (2):29–33, MAR–APR 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Malignant Schwannoma. Herness D, et al. **Hand** 7(3):300–2, Oct 75

PHYSIOLOGY

Effect of tissue temperature on ulnar nerve conduction velocity in the dog. Lee AF, et al. **Am J Vet Res** 36(9):1305–7, Sep 75

Normal ulnar nerve conduction velocity across the thoracic outlet: comparison of two measuring techniques. London GW. **J Neurol Neurosurg Psychiatry** 38(8):756–60, Aug 75

Functional properties of primary afferent units probably related to pain mechanisms in primate glabrous skin. Georgopoulos AP. **J Neurophysiol** 39(1):71–83, Jan 76

[Nerve potentials and afferent conduction velocity of the ulnar and median nerve (normal values)] Milić S, et al. **Neuropsihijatrija** 22(1–4):94–100, 1974 (Eng. Abstr.) **(Cro)**

[Hereronymous and unidirectional thenal H-reflex in man. Neurophysiologic study] Roth G, et al. **Electromyogr Clin Neurophysiol** 15(5–6):503–21, Oct–Dec 75 **(Fre)**

[Determination of distal latency of the motor nerves of the hand] Mühlau G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 28(4):226–8, Apr 76 (Eng. Abstr.) **(Ger)**

[Determination of F-wave conductivity in the normal N. ulnaris] Müller D. **Psychiatr Neurol Med Psychol (Leipz)** 27(10):619–23, Oct 75 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Sensory and motor residual latency measurements in helathy patients and patients with neuropathy–part 1. Kaplan PE. **J Neurol Neurosurg Psychiatry** 39(4):338–40, Apr 76

Electrophysiological studies in chronic renal insufficiencies. Shahani M, et al. **J Postgrad Med** 21(2):55–67, Apr 75

Letter: ulnar conduction velocity in thoracic–outlet syndrome. Cherington M. **N Engl J Med** 294(21):1185–6, 20 May 76

[The problem of latent neuropathy in essential hypertension] Ernst K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 28(7):430–5, Jul 76 (Eng. Abstr.) **(Ger)**

SURGERY

Further experience with interfascicular grafting of the median, ulnar, and radial nerves. Millesi H, et al. **J Bone Joint Surg [Am]** 58(2):209–18, Mar 76

Compression syndrome of the deep motor branch of the ulnar nerve. (Piso–Hamate Hiatus syndrome). Uriburu IJ, et al. **J Bone Joint Surg [Am]** 58(1):145–7, Jan 76

Interfascicular nerve grafting. Early experiences at the Massachusetts General Hospital. Finseth F, et al. **Plast Reconstr Surg** 56(5):492–5, Nov 75

Direct fascicular repair and interfascicular nerve grafting of median and ulnar nerves in the rhesus monkey. Vsconez LO, et al. **Plast Reconstr Surg** 58(4):482–9, Oct 76

Resection of the hook of the hamate. Its place in the treatment of median and ulnar nerve entrapment in the hand. Wissinger HA. **Plast Reconstr Surg** 56(5):501–6, Nov 75

Direct fascicular repair and interfascicular nerve grafting of median and ulnar nerves in rhesus monkeys. Mathes SJ, et al. **Surg Forum** 26:545–6, 1975

[Results of repeated operations after primary nerve suture] Gorbunova VG. **Vestn Khir** 115(8):82–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Microsurgical operations on the nerves] Grogorovich KA. **Vestn Khir** 115(7):93–7, Jul 75 (Eng. Abstr.) **(Rus)**

ULTANDREN see **FLUOXYMESTERONE**

ULTIMOBRANCHIAL BODY

see related
CALCITONIN

Observations on the fine structure, enzyme histochemistry, and innervation of parathyroid gland and ultimobranchial body of Chthonerpeton indistinctum (Gymnophiona, Amphibia). Welsch U, et al. **Cell Tissue Res** 164(1):105–19, 26 Nov 75

ANATOMY & HISTOLOGY

The ultimobranchial body of Varanus monitor. Das VK, et al. **Arch Biol (Liege)** 86(2):163–76, 1975

Ultimobranchial gland of the trout (Salmo gairdneri). I. Immunohistology and radioimmunoassay of calcitonin. McMillan PJ, et al. **Gen Comp Endocrinol** 28(3):313–9, Mar 76

CYTOLOGY

Morphological and histochemical changes of ultimobranchial follicles of the rat thyroid in the course of postnatal life. Petkó M. **Acta Morphol Acad Sci Hung** 23(2):123–31, 1975

DRUG EFFECTS

Effect of a calcium rich environment on the ultimobranchial gland of Rana tigrina. Das VK, et al. **Arch Anat Microsc Morphol Exp** 64(3):261–72, 1975

Responses of the ultimobranchial body in eels (Anguilla anguilla L.) maintained in sea water and experimentally matured, to injections of synthetic salmon calcitonin. Peignoux-Deville J, et al. **Cell Tissue Res** 164(1):73–83, 26 Nov 75

EMBRYOLOGY

[Fluorogenic monoamines of the carotid body and ultimobranchial body of the mouse during embryonic life. Histochemical study] Fontaine PJ. **Arch Anat Microsc Morphol Exp** 63(3):217–30, Jul–Sep 74 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

The development and fine structure of ultimobranchial glands in larval anurans. II. Bufo viridis, Hyla arborea, and Rana ridibunda. Coleman R. **Cell Tissue Res** 164(2):215–32, 2 Dec 75

METABOLISM

Calcitonin biosynthesis: evidence for a precursor. Moya F, et al. **Eur J Biochem** 55(2):407–13, 1 Jul 75

PHYSIOLOGY

Effects of calcitonin and ultimobranchialectomy (UBX) on calcium and bone metabolism in the eel, Anguilla anguilla L. Lopez E, et al. **Calcif Tissue Res** (2):173–86, 20 Apr 76

Effects of ultimobranchialectomy (UBX) upon the bone catabolism and anabolism and on some aspects of the calcium metabolism regulation in Anguilla anguilla L. Lopez E, et al. **Calcif Tissue Res** 21 Suppl:88–95, Aug 76

Effects of ultimobranchialectomy on calcium and sodium concentrations of serum and coelomic fluid in bullfrog tadpoles under high calcium and high sodium environment. Sasayama Y, et al. **Comp Biochem Physiol [A]** 55(1):35–7, 1976

Relationships between dietary and plasma concentrations of calcium and phosphorus in intact and ultimobranchialectomized chickens. Garlich JD, et al. **Poult Sci** 54(2):388–95, Mar 75

ULTRASTRUCTURE

Cilia-forming potentials of endocrine organs originating from the foregut. Kapa E, et al. **Acta Anat (Basel)** 95(3):444–51, 1976

[Ultrastructural study on the ultimobranchial body and the pharyngeal epithelium of the fetal mouse beginning from the 11th day of intrauterine life] Treilhou-Lahille F, et al. **J Ultrastruct Res** 52(3):387–403, Sep 75 **(Fre)**

ULTRACENTRIFUGATION

Rapid determination of areas of Gaussian curves and diffusion coefficients. Wei GJ, et al. **Anal Biochem** 75(1):113–21, Sep 76

The use of sedimentation coefficients to distinguish between models for protein oligomers. Andrews PR, et al. **Biophys Chem** 4(1):93–102, Jan 76

Sedimentation of generalized systems of interacting particles. I. Solution of systems of complete Lamm equations. Claverie JM, et al. **Biopolymers** 14(8):1685–1700, Aug 75

Sedimentation of generalized systems of interacting particles. II. Active enzyme centrifugation—theory and extensions of its validity range. Cohen R, et al. **Biopolymers** 14(8):1701–16, Aug 75

A computer analysis of electrophoresis and ultracentrifugation patterns. Tränkle E. **Comput Programs Biomed** 5(1):39–45, Sep 75

Limitations of ultracentrifugation and in vivo dialysis as methods of stool analysis. Owens CW, et al. **Gut** 17(1):68–74, Jan 76

[Developments of ultracentrifugal methods, a half century since Svedberg's first ultracentrifugation (author's transl)] Fujita H. **Protein Nucleic Acid Enzyme (Tokyo)** 20(7):649–60, Jun 75 **(Jpn)**

[Construction of ultracentrifuges in Japan (author's transl)] Watanabe I. **Protein Nucleic Acid Enzyme (Tokyo)** 20(7):661–5, Jun 75 **(Jpn)**

METHODS

Properties of two pig low density lipoproteins prepared by zonal ultracentrifugation. Calvert GD, et al. **Atherosclerosis** 22(3):583–99, Nov–Dec 75

A diffusion driven instability in systems that separate particles by velocity sedimentation. Mason DW. **Biophys J** 16(5):407–16, May 76

A digital procedure for the computation of ultracentrifuge data. Filmer DL, et al. **Comput Biol Med** 6(1):67–72, Jan 76

Methods for the detection of viruses in bovine serum. Swack

NS, et al. **J Clin Microbiol** 1(2):212–8, Feb 75
[Obtaining purified preparations of individual Shigella newcastle K- and O-antigens by using an ultracentrifugation method] Petrukhin VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):78–82, May 75 (Eng. Abstr.) **(Rus)**

ULTRAFILTRATION

see related
MICROPORE FILTERS

Ultrafiltration of blood: effect of hematocrit on ultrafiltration rate. Okazaki M, et al. **Ann Biomed Eng** 4(2):138–50, Jun 76
Separation of trypsin and peroxidase by ultrafiltration using crosslinked soybean trypsin inhibitor Bartling GJ, et al. **Biotechnol Bioeng** 18(7):1023–7, Jul 76
Microfiltration method for quantitative study of fibrous particles in biological specimens. Bignon J, et al. **Environ Health Perspect** 9:155–60, Dec 74
Detrimental effects of ultrafiltration on diffusion in coils. Husted FC, et al. **J Lab Clin Med** 87(3):435–42, Mar 76
Measurement of the transmittance coefficient spectrum of Cuprophan and RP69 membranes: applications to middle molecule removal via ultrafiltration. Green DM, et al. **Trans Am Soc Artif Intern Organs** 22:627–36, 1976
Differences in solute sieving with osmotic vs hydrostatic ultrafiltration. Nolph KD, et al. **Trans Am Soc Artif Intern Organs** 22:618–26, 1976
[Study of the dialytic clearance of some solutes as a function of ultrafiltration] Arisi L, et al. **Minerva Nefrol** 21(4):257–62, Jul–Aug 74 **(Ita)**
[Concentration and purification of methane fermented mash by ultrafiltration] Kulins'kii GA, et al. **Mikrobiol Zh** 37(6):769–73, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

INSTRUMENTATION

Immobilization of a cephalosporin acetylesterase by containment within an ultrafiltration device. Abbott BJ, et al. **Biotechnol Bioeng** 18(8):1033–42, Aug 76
Proceedings: A simpler, cheaper, more effective, safe method for removal of ascites. James O, et al. **Gut** 17(5):391, May 76
The filtragometer: a new device for measuring platelet aggregation in venous blood of man. Hornstra G, et al. **Thromb Diath Haemorrh** 34(2):531–44, 15 Nov 75

METHODS

Simple methods for determination of total and ultrafiltrable calcium and magnesium in serum. Luthman J, et al. **Acta Vet Scand** 16(2):315–7, 1975
Fine-screen filtration of pressurized whole blood, packed cells and fresh-frozen erythrocytes. Cullen DJ, et al. **Anesthesiology** 43(5):578–81, Nov 75
Practical aerobic membrane filtration blood culture technique: clinical blood culture trial. Sullivan NM, et al. **J Clin Microbiol** 1(1):37–43, Jan 75
Practical aerobic membrane filtration blood culture technique: development of procedure. Sullivan NM, et al. **J Clin Microbiol** 1(1):30–6, Jan 75
Examination of cottage cheese whey proteins by scanning electron microscopy: relationship to membrane fouling during ultrafiltration. Lee DN, et al. **J Dairy Sci** 58(10):1423–32, Oct 75
Ultrafiltration for middle molecules in uraemia. Reiger J, et al. **Proc Eur Dial Transplant Assoc** 11:158–64, 1975

ULTRASONIC THERAPY

Effect of pituitary ultrasonic treatment on plasma human growth hormone levels in diabetic retinopathy and acromegaly. Muggeo M, et al. **Acta Diabetol Lat** 12(2):137–49, Mar–Apr 75
Ultrasound treatment of Meniere's disease. Long-term follow-up of 356 advanced cases. Sathle J. **Acta Otolaryngol (Stockh)** 81(1–2):120–6, Jan–Feb 76
A laboratory animal model for phacoemulsification practice. Tolentino FI, et al. **Am J Ophthalmol** 80(3 Pt 2):545–6, Sep 75
The use of ultrasound in vitreous removal. pp. 668–77. Landers MB, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.
Experimental studies of effects of intense ultrasound on implantable murine glioma. pp. 28–33. Kishi M, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Round window ultrasonic irradiation in treatment of Meniere's disease. Bailey HA Jr, et al. **J Arkansas Med Soc** 72(10):391–6, Mar 76
Effectiveness of shortwave diathermy and ultrasound in the treatment of osteo-arthritis of the knee joint. Bansil CK, et al. **Med J Zambia** 9(5):138–9, Oct–Nov 75
Pressure sores: treatment by ultrasound. Fisher MV. **Nurs Times** 72(8):302, 26 Feb 76
Physiotherapy and the frozen shoulder: a comparative trial of ice and ultrasonic therapy. Hamer J, et al. **NZ Med J** 83(560):191–2, 24 Mar 76
Ultrasonic disinfection of the root canal. Martin H. **Oral Surg** 42(1):92–9, Jul 76
The stimulation of protein synthesis in human fibroblasts by therapeutic ultrasound. Harvey W, et al. **Rheumatol Rehabil** 14(4):237, Nov 75
Ultrasonic fragmentation for vitrectomy and associated surgical procedures. Girard LJ, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):432–50, May–Jun 76
A critical analysis of ultrasonic therapy. Greguss P, et al. **Ultrasonics** 14(2):81–2, Mar 76
Interaction of ultrasound with neoplastic tissue. Local effect on subcutaneously implanted Furth–Columbia rat Wilms' tumor. Longo FW, et al. **Urology** 6(5):631–4, Nov 75
Interaction of ultrasound with neoplastic tissue. II. Systemic effects after local sonic irradiation. Longo FW, et al. **Urology** 7(1):80–4, Jan 76
Interaction of ultrasound with neoplastic tissue: IV. alteration of biologic activity in cells derived from rat Wilms' tumor sonicated in vivo. Longo FW, et al. **Urology** 8(2):177–9, Aug 76
[Clinical experience with combined therapy of ultrasound and diadynamic currents] Smeralová V, et al. **Fysiatr Reumatol Vestn** 53(5):304–8, Oct 75 (Eng. Abstr.) **(Cze)**
[Ultrasound in the treatment of hemorrhages and exudates of the vitreous body] Kapuscinski WJ, et al. **Bull Mem Soc Fr Ophtalmol** (87):92–5, 1976 **(Fre)**
[The utilization of ultrasonics in stomatology] Kleber M. **Stomatol DDR** 25(11):769–75, Nov 75 **(Ger)**
[Cardiac defibrillation with the aid of ultrasound] Dulevičius Z, et al. **Kardiologija** 16(1):38–43, Jan 76 (Eng. Abstr.) **(Rus)**
[Changes in the main functions of macula lutea after the use of ultrasonics in complex treatment of complicated myopia] Averbukh SL, et al. **Oftalmol Zh** 30(6):444–7, 1975 (Eng. Abstr.) **(Rus)**
[Use of ultrasonics in complex therapy of herpetic keratitis and progressive myopia] Imas IaB. **Oftalmol Zh** 30(5):376, 1975 **(Rus)**
[Action of ultrasound on submicroscopic and cytochemical changes in photoreceptors of the retina and optic nerve] Marmur RK, et al. **Oftalmol Zh** 30(8):607–10, 1975 (Eng. Abstr.) **(Rus)**
[Effect of ultrasonics on hemodynamics, intraocular pressure and visual functions in patients with glaucoma] Zolotareva AI, et al. **Oftalmol Zh** 30(3):188, 1975 (Eng. Abstr.) **(Rus)**
[Certain problems of reparative regeneration of open fractures after ultrasonic osteosynthesis] Gornia FI, et al. **Ortop Travmatol Protez** (10):24–7, Oct 75 (Eng. Abstr.) **(Rus)**
[Effect of ultrasonic oscillations on the cartilage and bone tissues] Khodzhaev RR. **Ortop Travmatol Protez** (10):49–50, Oct 75 **(Rus)**
[Certain theoretical and practical problems of adhesive ultrasonic osteosynthesis] Rutskii VV, et al. **Ortop Travmatol Protez** (10):18–24, Oct 75 (Eng. Abstr.) **(Rus)**
[Ultrasonic therapy of chronic tonsillitis in children] Tarasov DI, et al. **Pediatriia** (4):56–8, Apr 75 **(Rus)**
[Remote results of treatment of duodenal ulcer with ultrasonics together with Dzhermuk mineral water] Grigorian EG, et al. **Sov Med** (2):150–1, Feb 76 **(Rus)**
[Ultrasonic therapy of bone fractures] Knokh G, et al. **Sov Med** (6):115–8, Jun 75 **(Rus)**
[Electro- and phonophoresis of fibrinolysin] Vaĭnshteĭn ES, et al. **Vestn Oftalmol** (4):74–6, Jul–Aug 75 **(Rus)**
[Ultrasonic therapy of patients with polypoid hypertrophy of the vocal cords] Kadymova MI. **Vestn Otorinolaringol** (4):67–71, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Pelophonotherapy in chronic tonsillitis] Paskar' NP. **Vestn Otorinolaringol** (3):86–90, May–Jun 76 (Eng. Abstr.) **(Rus)**
[Influence of ultrasound on the indices of the function of external respiration in patients with silicosis] Alferova IN. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):551–5, Nov–Dec 75 **(Rus)**
[Use of ultrasonics in complex treatment of destructive pulmonary tuberculosis] Fomicheva NI, et al. **Vrach Delo** (2):88–9, Feb 76 **(Rus)**
[Electrolyte metabolism during treatment of ulcer disease with ultrasonics] Ivancho ES, et al. **Vrach Delo** (10):93–6, Oct 75 (Eng. Abstr.) **(Rus)**
[Cytophotometry of the DNA in the tonsillar epithelial and lymphoid cells in the ultrasonic therapy of chronic tonsillitis patients] Andreichenko VI. **Zh Ushn Nos Gorl Bolezn** (5):50–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Use of ultrasonic therapy in chronic tonsillitis of children with chronic nonspecific lung diseases] Gromova VN, et al. **Zh Ushn Nos Gorl Bolezn** (4):90–2, Jul–Aug 75 **(Rus)**
[Ultrasonic therapy of Ménière's disease] Gukovich VA, et al. **Zh Ushn Nos Gorl Bolezn** (2):86–90, Mar–Apr 75 **(Rus)**
[Histochemistry of the key oxidation-reduction enzymes of dehydrogenating action in the tonsils during ultrasonic therapy of chronic tonsillitis] Kalinovskaia LP. **Zh Ushn Nos Gorl Bolezn** (2):20–1, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[State of the neural apparatus of the palatine tonsils in patients with chronic tonsillitis after ultrasonic therapy] Pokotilenko AK, et al. **Zh Ushn Nos Gorl Bolezn** (2):14–20, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Use of ultrasound apparatus LOR-1A in the treatment of chronic tonsillitis and other otorhinolaryngologic diseases] Kolomiĭčenko AI. **Med Pregl** 29(1–2):77–9, 1976 **(Ser)**
[Clinical morphological changes in simple hypertrophic hemangiomas following their ultrasonic irradiation] Solovko AIu. **Pediatr Akush Ginekol** (1):26–7, Jan–Feb 75 **(Ukr)**

ADVERSE EFFECTS

Corneal endothelial damage associated with phacoemulsification. Binder PS, et al. **Am J Ophthalmol** 82(1):48–54, Jul 76
Ultrasonic scaling of maxillary teeth causing tinnitus and temporary hearing shifts. Möller P, et al. **J Clin Periodontol** 3(2):123–7, May 76
[Embolism by ultrasound-thrombolysis (author's transl)] Trübestein G, et al. **Langenbecks Arch Chir** 340(3):199–205, 10 Feb 76 (Eng. Abstr.) **(Ger)**

HISTORY

[Letter: Clinical use of ultrasonics] Wilkening K. **Dtsch Med Wochenschr** 101(11):429–30, 12 Mar 76 **(Ger)**

METHODS

Ultrasound coupling media: their relative transmissivity. Warren CG, et al. **Arch Phys Med Rehabil** 57(5):218–22, May 76
Treatment of arthrosis deformans by simultaneous application of interferential current and ultrasonic waves. Esmat N. **J Egypt Med Assoc** 58(5–6):328–33, 1975
Ultrasonic cataract extraction with acoustic horn. Clarkson DM, et al. **Trans Ophthalmol Soc UK** 95(4):477–81, 1975
[Thrombolysis through ultrasound] Trübestein G, et al. **Verh Dtsch Ges Inn Med** 81:896–8, 1975 **(Ger)**

UTILIZATION

Use of therapeutic ultrasound. Clarke GR, et al. **Physiotherapy** 62(6):185–90, Jun 76

VETERINARY

Ultrasound therapy for animals. Downer AH. **Mod Vet Pract** 57(7):523–6, Jul 76

ULTRASONICS

see related
ECHOCARDIOGRAPHY
ECHOENCEPHALOGRAPHY

The treatment of thyroid cysts by ultrasonically guided fine needle aspiration. Jensen F, et al. **Acta Chir Scand** 142(3):209–11, 1976
Distribution of liver and heart aspartate aminotransferase isoenzymes after ultrasonic treatment. Krashkova AM, et al. **Agressologie** 16 Spec No C:31–6, 1975
Fetal breathing movements and ultrasound. Fox HE. **Am J Dis Child** 130(2):127–9, Feb 76 (18 ref.)
Intervillous space during uterine contractions in human subjects: an ultrasonic study. Bleker OP, et al. **Am J Obstet Gynecol** 123(7):697–9, 1 Dec 75
Ultrasonic measurement of cervical dilatation during labor. Kok FT, et al. **Am J Obstet Gynecol** 126(2):288–90, 15Sep 76
Predictive value of ultrasonically derived arterial pressure in determination of amputation level. Dean RH, et al. **Am Surg** 41(11):731–7, Nov 75
Optical evaluation of ultrasonic scattering in animal tissue. Greguss P. **Ann NY Acad Sci** 267:312–23, 30 Jan 76
A comparison between sorbent and Reiter sonicate in the absorbed fluorescent treponemal antibody test. Wilkinson AE, et al. **Ann NY Acad Sci** 254:395–9, 30 Jun 75
Letter: Exposure criteria for industrial ultrasound. Acton WI. **Ann Occup Hyg** 18(3):267–8, Dec 75
Some thoughts on the perception of ultrasonics by man. Dieroff HG, et al. **Arch Otorhinolaryngol (NY)** 209(4):277–90, 28 Aug 75
Effects of highly dosed ultrasound on the growing rabbit's larynx. Scanning electron microscopic and reflecting ligth microscopic findings. Karduck A, et al. **Arch Otorhinolaryngol (NY)** 211(2):71–80, 30 Nov 75
Ultrasonic scaling. Jacobson L. **Aust Dent J** 19(6):379–83, Dec 74
Effects of low-intensity ultrasound on the central nervous system of primates. Hu JH, et al. **Aviat Space Environ Med** 47(6):640–3, Jun 76
Medical aspects of supersonic travel. Preston FS. **Aviat Space Environ Med** 46(8):1074–8, Aug 75
New ultrasonic device for monitoring foetal breathing movements. Maršál K, et al. **Biomed Eng** 11(2):47–52, Feb 76
Effect of ultrasound on the permeability of D2O through cellulose membranes. Mendez J, et al. **Biomedicine [Express]** 25(4):121–2, Jun 76
Ultrasonic absorption in aqueous solution of lysozyme. Kanda H, et al. **Biopolymers** 15(4):785–95, Apr 76
Cell inactivation by ultrasound. Dakubu S. **Biotechnol Bioeng** 18(4):465–71, Apr 76
Ultrasonic flow probes for chronic implants. Rader RD. **Biotelemetry** 1(6):313–28, 1974
Ultrasound recording of fetal breathing. Meire HB, et al. **Br J Radiol** 48(570):477–80, Jun 75
Ultrasonic enhancement of nitrogen mustard cytotoxicity in mouse leukemia. Kremkau FW, et al. **Cancer** 37(4):1643–7, Apr 76
Transcutaneous Doppler detector in the study of arterial and

venous flow patterns. Joyner CR. **Cardiovasc Clin** 6(3):385–99, 1975 (44 ref.)

Quantitative ultrasonographic studies of lower extremity flow velocities in health and disease. Fronek A, et al. **Circulation** 53(6):957–60, Jun 76

Ultrasonic measurement of lateral pharyngeal wall movement at the velopharyngeal port. Ryan WJ, et al. **Cleft Palate J** 13:156–64, Apr 76

Two dimensional ultrasonic demonstration of lateral pharyngeal wall movement in real time--a preliminary report. Skolnick ML, et al. **Cleft Palate J** 12:299–303, Jul 75

Ultrasound and communication in rodents. Brown AM. **Comp Biochem Physiol [A]** 53(4):313–7, 1976

Effect of ultrasound on euchromatin and heterochromatin from normal and viral transformed mammalian cells. De la Maza LM, et al. **Exp Cell Res** 97(2):448–51, Feb 76

Fragmentation of purified mammalian DNA molecules by ultrasound below human therapeutic doses. Galperin-Lemaître H, et al. **Humangenetik** 29(1):61–6, 29 Aug 75

Continuous cardiac output measurement: aspects of Doppler frequency analysis. Mackay S, et al. **IEEE Trans Biomed Eng** 22(4):346–50, Jul 75

Ultrasonic measurement of blood coagulation time. Shung KP, et al. **IEEE Trans Biomed Eng** 22(4):334–7, Jul 75

Ultrasonic evaluation of the vitreous. pp. 129–41. Coleman DJ.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.

Imaging capabilities of the liquid surface system. pp. 29–30. Brenden BB.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Ultrasonic synthetic aperture hologram techniques for medical applications. pp. 26–8. Kock WE.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Acoustical holographic microscopy. pp. 31–5. Korpel A.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Vitrectomy by aspiration. Irrigation after ultrasonic fragmentation. pp. 678–88. Girard LJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonic and laser techniques for vitreous transplantation in retinal detachment and diabetic retinopathy. pp. 655–64. Karlin DB.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonic surgery: theoretical considerations. pp. 640–54. Purnell EW.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonic imaging. pp. 226–31. Heyser R.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

Ultrasound--status and potential. pp. 241–2. Le Croissette DH.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

The 'in vitro' stimulation of protein synthesis in human fibroblasts by therapeutic levels of ultrasound. pp. 10–21. Harvey W, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Standardisation in medical ultrasonics. pp. 177–9. Hill CR.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Ultrasonic vibrational potentials in protein solutions. pp. 41–6. Rosenfeld E, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Acoustic properties of biological materials. pp. 21–40. Dunn F.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (36 ref.)

Ultrasound in surgery. pp. 325–40. Lele PP.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (50 ref.)

Physical consequences of ultrasound in plant tissues and other bio-systems. pp. 277–99. Nyborg WL, et al.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (36 ref.)

Ultrasonic measuring techniques. pp. 59–89. Stewart HF.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Comparison of antigens in sonic and pressure cell extracts of Mycobacterium tuberculosis. Janicki BW, et al. **Infect Immun** 13(2):425–37, Feb 76

Letter: visualization of excised eyes using ultrasonic holography. Chivers, RC, et al. **Invest Ophthalmol** 14(11):876–8, Nov 75

Letter: Ultrasonic parameters of freshly frozen dog tibia. Adler L, et al. **J Acoust Soc Am** 58(5):1107–8, Nov 75

Sonar for generalized target description and its similarity to animal echolocation systems. Altes RA. **J Acoust Soc Am** 59(1):97–106, Jan 76

Ultrasonic production of reversible changes in the electrical parameters of isolated frog skin. Coble AJ, et al. **J Acoust Soc Am** 60(1):225–9, Jul 76

The effect of ultrasonic cavitation on protein antigenicity. Edwards JH, et al. **J Acoust Soc Am** 59(6):1513–4, Jun 76

Ultrasonic registration of the fundamental frequency of a voice during normal speech. Holmer NG, et al. **J Acoust Soc Am** 58(5):1073–7, Nov 75

Synergism between ultrasonic waves and hydrogen peroxide in the killing of micro-organisms. Ahmed FI, et al. **J Appl Bacteriol** 39(1):31–40, Aug 75

Inability of genetic systems of Bacillus subtilis to detect a mutagenic effect of low frequency ultrasound. Combes RD. **J Appl Bacteriol** 39(3):219–26, Dec 75

Chemistry of ultrasound. Part IV. Effects of ultrasound on some amino-acids. Staas WH, et al. **J Chem Soc [Perkin I]** (17):1675–9, 1975

Effect of sonic treatment on pure cultures and aggregates of bacteria. Robrish SA, et al. **J Clin Microbiol** 3(5):474–9, May 76

The preparation, use, and evaluation of recorded material for teaching ultrasonics in a university Master of Science course in medical physics. Chivers RC, et al. **J Clin Ultrasound** 4(2):101–5, Apr 76

Torque feedback radiometer for ultrasonic power measurements. Dunbar LE. **J Clin Ultrasound** 4(4):293–5, Aug 76

A new technique utilizing ultrasound to aid in intrauterine transfusion. Hobbins JC, et al. **J Clin Ultrasound** 4(2):135–7, Apr 76

Ultrasound localization for percutaneous renal biopsy in children. Zeis PM, et al. **J Pediatr** 89(2):263–5, Aug 76

The measurement of fetal growth during pregnancy by ultra-sound (B-scan). Issel EP, et al. **J Perinat Med** 3(4):269–75, 1975

A comparative study of ultrasonic generators and hand instruments. Ewen SJ, et al. **J Periodontol** 47(2):82–6, Feb 76

Ultrasonic imaging. Hill CR. **J Phys E Sci Instrum** 9(3):153–62, Mar 76 (40 ref.)

The elusive artery: found by sound. Jelenko C III, et al. **JACEP** 1(3):194, Mar 76

Self-cleaning bacteriological pipette using ultrasonic vibration. Sharpe AN, et al. **Lab Pract** 24(12):815–6, Dec 75

Variations in lipid composition and sound velocity in melon from the North Atlantic Pilot whale, globicephala melaena melaena. Blomberg J. **Lipids** 11(2):153–6, Feb 76

Ultrasound evaluation of the popliteal space. Comparison with arthrography and physical examination. Carpenter JR, et al. **Mayo Clin Proc** 51(8):498–503, AUG 76

A diameter-independent blood flow measurement technique. Rader RD. **Med Instrum** 10(4):185–8, Jul-Aug 76

Ultrasonic dispersal of tumour biopsy tissue. Dixon B, et al. **Med Lab Sci** 33(2):161–6, Apr 76

Acoustic Bragg diffraction from human tissues. Nicholas D, et al. **Nature** 257(5524):305–6, 25 Sep 75

A new approach to testing the effect of ultrasound on tissue growth and differentiation. Pizzarello DJ, et al. **Oncology** 31(3-4):226–32, 1975

Ultrasonic nebulizer in local anesthesia for bronchoscopy. Palva T, et al. **ORL** 37(5):306–11, 1975

A new device to derive the force-velocity relationship of the isolated papillary muscle using a sonomicrometer and an electromagnet. Siepmann HP, et al. **Pfluegers Arch** 364(2):195–7, 30 Jul 76

Observations on the combined effect of ultrasound and x-rays on the growth of the roots of Zea mays. Hering ER, et al. **Phys Med Biol** 21(2):263–71, Mar 76

Phonophoresis with 1 percent versus 10 percent hydrocortisone. Kleinkort JA, et al. **Phys Ther** 55(12):1320–4, Dec 75

Exposure of eggs to ultrasound during incubation and its effect on hatchability and growth. Levenick CK, et al. **Poult Sci** 54(2):369–73, Mar 75

A guide to ultrasonics. Munro WL. **Practitioner** 216(1292):199–208, Feb 76

The effect of focused ultrasound on the skin and deep nerve structures of man and animal. Gavrilov LR, et al. **Prog Brain Res** 43:279–92, 1976

Further comments on deleterious behavioral and physiological effects of sound. Morley BJ, et al. **Psychol Rep** 37(2):544–6, Oct 75

Reduction in mitotic index in Pisum sativum root meristems by pulsed ultrasound irradiation. Arcuri KB, et al. **Radiat Res** 65(3):458–61, Mar 76

The effect of 2 MHz ultrasound irradiation on Pisum sativum roots. Miller MW, et al. **Radiat Res** 65(3):451–7, Mar 76

New technique for ultrasound imaging. Laffey P, et al. **Radiology** 120(2):385–8, Aug 76

New technique for ultrasound imaging. Laffey P, et al. **Radiology** 120(2):385–8, Aug 76

Gray scale ultrasonic angiography of the upper abdomen. Leopold GR. **Radiology** 117(3 Pt 1):665–71, Dec 75

Evaluation of B-mode ultrasound as a means of improving radium dosimetry in the treatment of gynecologic cancer. Mayer EG, et al. **Radiology** 117(1):141–7, Oct 75

Ultrasonically-guided percutaneous nephrostomy. Report of 24 cases. Pedersen JF, et al. **Radiology** 119(2):429–31, May 76

Ultrasonic visualization of an umbilical vein. Weill F. **Radiology** 120(1):159–60, Jul 76

High Q ultrasonic liquid resonators with concave transducers. Eggers F, et al. **Rev Sci Instrum** 47(3):361–7, Mar 76

Hemolysis by ultrasound. A comparative study of the osmotic and ultrasonic fragility tests. Tarssanen L. **Scand J Haematol** (29 Suppl):1–59, 1976

Physical principles of ultrasound. Kremkau FW. **Semin Roentgenol** 10(4):259–63, Oct 75

Percutaneous puncture of pancreatic cysts guided by ultrasound. Hancke S, et al. **Surg Gynecol Obstet** 142(4):551–2, Apr 76

Proceedings: Structural studies of fibrinogen by ultrasound irradiation. Albert A, et al. **Thromb Diath Haemorrh** 34(2):573, 15 Nov 75

Effects of diagnostic ultrasound irradiated during foetal stage on emotional and cognitive behaviour in rats. Murai N, et al. **Tohoku J Exp Med** 117(3):225–35, Nov 75

Ultrasound production by the long haired rat of Australia (Rattus villosissimus). Begg R. **Ultrasonics** 14(4):177–82, Jul 76

An obstetric test for resolution by ultrasonic echoscopes. Garrett WJ, et al. **Ultrasonics** 13(5):217–8, Sep 75

Measurement of ultrasonic exposure with radiation force and thermal methods. Zieniuk J, et al. **Ultrasonics** 14(4):161–72, Jul 76 (83 ref.)

Unchanged growth patterns of Acanthamoeba exposed to intermediate intensity ultrasound. Brown RC, et al. **Ultrasound Med Biol** 2(1):37–41, Oct 75

Ultrasonic attenuation in human tissue. Chivers RC, et al. **Ultrasound Med Biol** 2(1):25–9, Oct 75

[Ultrasonically guided percutaneous nephrostomy] Pedersen JF, et al. **Ugeskr Laeger** 138(7):416–7, 9 Feb 76 (Eng. Abstr.) **(Dan)**

[Technic for canal filling using ultrasound] Soulié J. **Actual Odontostomatol (Paris)** (112):591–600, Dec 75 (Eng. Abstr.) **(Fre)**

[Significance of echotomography B in the analysis of pronation] Kamina P, et al. **Bull Assoc Anat (Nancy)** 59(167):889–92, Dec 75 (Eng. Abstr.) **(Fre)**

[Sonophoresis with non-steroidal antiinflammatory drugs. A survey of the problem (author's transl)] Famaey JP. **J Belge Rhumatol Med Phys** 30(3):129–41, May-Jun 75 (Eng. Abstr.) **(Fre)**

[Experimental exposure of pregnant rats to ultrasound] Aravantinos D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(6):797–800, Sep 74 (Eng. Abstr.) **(Fre)**

[Experimental study on the lymphatic and cerebrocervical drainage and changes therein caused by ultrasound (author's transl)] Selzer H, et al. **Acta Neuropathol (Berl)** 33(3):201–6, 19 Dec 75 (Eng. Abstr.) **(Ger)**

[Experimental ultrasonography of the rabbit eye (author's transl)] Freyler H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(3):267–75, 26 May 76 (Eng. Abstr.) **(Ger)**

[Behavior of high-frequency vibrations in human long bones (concept of a model)] Christmann C. **Anat Anz** 138(1-2):117–25, 1975 **(Ger)**

[Ultrasound localization of intrauterine contraceptive devices in the laboratory and in patients (author's trans)] Schmidt, EH, et al. **Arch Gynaekol** 218(3):173–81, 29 Jul 75 (Eng. Abstr.) **(Ger)**

[Introduction of ultraviolet light and ultrasonics to medicine] Schadewaldt H. **Dtsch Med Wochenschr** 100(49):2549–52, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[Determination of gestational age in early pregnancy using ultrasonics] Schillinger H, et al. **Fortschr Med** 94(13):781–3, 6 May 76 **(Ger)**

[Multidimensional presentation of peripheral arterial flow profiles with a Doppler ultrasonic procedure] Lampadius MS, et al. **Med Monatsschr** 29(5):206–9, May 75 **(Ger)**

[Rational cleaning of instruments by means of ultrasonics] Dreeser HP. **Stomatol DDR** 25(8):546–50, Aug 75 (Eng. Abstr.) **(Ger)**

[The capability of the Doppler ultrasound technic in the diagnosis of deep leg vein thrombosis] Bollinger A. **Vasa** 4(1):16–21, 1975 **(Ger)**

[Morphological findings on the pelvic and femoral veins of dogs following endoluminal ultrasonic therapy] Cremer H, et al. **Verh Dtsch Ges Kreislaufforsch** 41:331–6, 1975 **(Ger)**

[Proposals for inhalation therapy with ultrasonic nebulizers (author's transl)] Gottschalk B, et al. **Z Erkr Atmungsorgane** 143(1):82–8, Apr 75 (Eng. Abstr.) **(Ger)**

[Densitometry of extremities using ultrasound] Radloff H. **Z Orthop** 113(4):737–9, Aug 75 **(Ger)**

[The current importance of ultrasonics in the diagnostic progressive program in prenatal care] Bayer H, et al. **Zentralbl Gynaekol** 97(16):961–5, 1975 (Eng. Abstr.) **(Ger)**

[A new method for the liberation of microsporidia using ultrasonics] Muzzioli M. **Boll Soc Ital Biol Sper** 51(21):1501–5, 15 Nov 75 **(Ita)**

[Effectiveness of ultrasonics in enterovirus elution from

concentrating membranes] Pana' A, et al. **Nuovi Ann Ig Microbiol** 25(4):298–305, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Study of the penicillin amidase from E. coli. An ultrasonic method of studying the ph- and temperature-conformational transitions in the active center of the enzyme] Berezin IV, et al. **Antibiotiki** 21(1):31–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Effect of ultrasound on the formation of arterial and lymphatic collaterals in the rat pelvic extremities] Isupova NV. **Arkh Anat Gistol Embriol** 69(10):98–105, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of ultrasound of high intensity on the intraorganic vessels of the liver] Sheik Chassan O. **Arkh Anat Gistol Embriol** ,10):93–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Use of ultrasonics for removing contaminants from protective clothing in the chemical industry] Ardasheva OK, et al. **Gig Tr Prof Zabol** (8):18–21, Aug 75 (Eng. Abstr.) **(Rus)**

[Ultrasonic section of bones in surgical treatment of lumbar osteochondroses] Demichev NP. **Ortop Travmatol Protez** (2):57–60, Feb 76 **(Rus)**

[Experimental study of reparative regeneration processes in the bone tissue of the mandible following ultrasonic resection and ultrasonic osteosynthesis] Panikarovskii VV, et al. **Stomatologiia (Mosk)** 55(2):8–14, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Osteosynthesis of fragments of the mandible by homologous grafting of sections and ultrasonic coagulation] Petrov VI, et al. **Stomatologiia (Mosk)** 54(5):29–34, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Luminescent analysis in the study of the mechanism of action of ultrasound on corneal permeability] Nuritdinov VA. **Vestn Oftalmol** (1):44–6, 1976 (Eng. Abstr.) **(Rus)**

[Use of hydrocortisone phonophoresis in the treatment of allergic rhinitis] Kornienko AM. **Vestn Otorinolaringol** (1):55–7, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Dynamics of changes of certain cellular components of the spinal cord under the effect of ultrasonics of different parameters] Speranskii AP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):453–7, Sep–Oct 75 **(Rus)**

[Synthesis of organic compounds in ultrasonic field] Sokol'skaia AV. **Zh Evol Biokhim Fiziol** 11(5):509–14, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of high intensity ultrasound on the cervical tissues and organs of albino rats] Ozinkovskii VV, et al. **Zh Ushn Nos Gorl Bolezn** (2):84–5, Mar–Apr 75 **(Rus)**

[Extraction of biologically active substances from corn stigmas with the aid of ultrasound] Solon'ko VN, et al. **Farm Zh** (1):84–6, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Effect of ultrasound on MG 2+, Na+, K+-ATPase and K+-acetylphosphatase activities of brain subcellular membrane structures] Kirsenko OV, et al. **Ukr Biokhim Zh** 47(2):139–45, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Effect of detergents and ultrasound on NAD-glycohydrolase activity in rat liver cell nuclei] Shushevych SI, et al. **Ukr Biokhim Zh** 47(4):474–9, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Histomorphologic features of ultrasonic renal injury. Elbadawi A, et al. **Arch Pathol Lab Med** 100(4):199–205, Apr 76

Letter: Ultrasonic irradiation of bean roots and the influence of exposure parameters. Leeman S, et al. **Br J Radiol** 48(575):954, Nov 75

The use of Drosophila to estimate the possibility of genetic hazard from ultrasound irradiations. Thacker J, et al. **Br J Radiol** 49(580):367–371, Apr 76

Chromosome damage in human lymphocytes after different combinations of x-ray and ultrasonic treatment. pp. 3–9. Kunze-Mühl E.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Ultrasonic teratology in mouse and man. pp. 22–7. Lele PP.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975. (46 ref.)

Action of ultrasound on isolated cells and cell cultures. pp. 249–62. Hill CR.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Thermal factors in ultrasonic focal destruction in organized tissues. pp. 129–41. Lele PP.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Non-thermal effects of ultrasound on intact animal tissues. pp. 263–76. Taylor JK, et al.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (30 ref.)

Effects of sonic booms on fingerpulse amplitudes during sleep. Griefahn B. **Int Arch Occup Environ Health** 36(1):57–66, 4 Nov 75

An investigation of chromosome damage in Vicia faba root tips after exposure to 1-5 MHz ultrasonic radiation. Khokhar MT, et al. **Int J Radiat Biol** 28(4):373–83, Oct 75

Frequency dependence of threshold ultrasonic dosages for irreversible structural changes in mammalian brain. Dunn F, et al. **J Acoust Soc Am** 58(2):512–4, Aug 75

Absence of mitotic reduction in regenerating rat livers exposed to ultrasound. Miller MW, et al. **J Clin Ultrasound** 4(3):169–72, Jun 76

Visible mutation induction in Mormoniella by low frequency ultrasonic energy. Grubbs SC, et al. **J Hered** 67(3):191–3, May–Jun 76

Letter: Ultrasound and D.N.A. Coakley WT, et al. **Lancet** 2(7943):1037, 22 Nov 75

Letter: Ultrasound and mammalian D.N.A. Galperin-Lemaitre H, et al. **Lancet** 2(7936):662, 4 Oct 75

Letter: Ultrasound and safety. Galperin-Lemaitre H, et al. **Lancet** 1(7952):197–8, 24 Jan 76

Letter: Ultrasound and mammalian D.N.A. Prasad N, et al. **Lancet** 1(7970):1181, 29 May 76

Letter: Ultrasound and mammalian D.N.A. Thacker J. **Lancet** 2(7938):770, 18 Oct 75

Letter: Questions safety of ultrasound. Scheidt PC. **Pediatrics** 57(1):162–3, Jan 76

Influence of low-intensity ultrasonic irradiation on prenatal development of two inbred mouse strains. Shoji R, et al. **Teratology** 12(3):227–31, Dec 75

Letter: Exposure critieria for industrial ultrasound. Acton WI. **Ultrasonics** 14(1):42, Jan 76

Ultrasonic absorbed dose, dose rate, and produced lesion volume. Johnston RL, et al. **Ultrasonics** 14(4):153–5, Jul 76

[Study on teratogenic effect of ultrasonics. I. Effect on pregnant mice] Martelli M, et al. **C R Soc Biol (Paris)** 169(5):1245–8, 1975 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Detection of thyroid cysts by ultrasonic examination. Solgaard S, et al. **Acta Chir Scand** 141(6):495–8, 1975

Determination of pressure gradient in mitral stenosis with a non-invasive ultrasound Doppler technique. Holen J, et al. **Acta Med Scand** 199(6):455–60, 1976

Mathematical analysis (fast Fourier transform) of the ultrasonic echo pulsation curve in brain diseases. Matsunaga M, et al. **Acta Neurochir (Wien)** 35(1-3):135–8, 1976

Fetal movements diagnosed by ultrasound in early pregnancy. Jouppila P. **Acta Obstet Gynecol Scand** 55(2):131–5, 1976

Value of ultrasonic diagnosis of gynecological tumors in 370 surgical cases. Levi S, et al. **Acta Obstet Gynecol Scand** 55(3):261–6, 1976

Uterine size measured by ultrasound during the menstrual cycle. Piiroinen O, et al. **Acta Obstet Gynecol Scand** 54(3):247–50, 1975

Prenatal diagnosis of soft-tissue malformations by ultrasound and X-ray. Sand H, et al. **Acta Obstet Gynecol Scand** 55(3):191–9, 1976

Studies in diagnostic ultrasound. Size of the non-pregnant uterus in women of child-bearing age and uterine growth and foetal development in the first half of normal pregnancy. Piiroinen O.
Acta Obstet Gynecol Scand [Suppl] (46):suppl 46:1–60, 1975

Ultrasound in obstetrics. Ragan WD. **Am Fam Physician** 14(3):130–8, Sep 76

Ultrasonic diagnosis of abdominal abscess. Doust BD, et al. **Am J Dig Dis** 21(7):569–76, Jul 76

Pancreatic seudocyst diagnosed by B-scan ultrasonography. Kilcoyne RF, et al. **Am J Dig Dis** 20(11):1059–62, Nov 75

Abdominal ultrasonography in pediatrics. Stuber JL, et al. **Am J Dis Child** 129(9):1096–1101, Sep 75

Ultrasonic diagnoses of hepatic disorders. Shultzev GP, et al. **Am J Gastroenterol** 65(5):432–6, May 76

Enhanced clinical diagnosis of thyroid disease using echography. Blum M. **Am J Med** 59(3):301–7, Sep 75

Ultrasonic examination of the thyroid gland. Possibilities and limitations. Thijs LG, et al. **Am J Med** 60(1):96–105, Jan 76

Prenatal karyotyping of twins by ultrasonically guided amniocentesis. Bang J, et al. **Am J Obstet Gynecol** 123(7):695–6, 1 Dec 75

Placental aging monitored by gray scale echography. Fisher CC, et al. **Am J Obstet Gynecol** 124(5):483–8, 1 Mar 76

Estimation of fetal weighty by ultrasonic abdominometry. Kurjak A, et al. **Am J Obstet Gynecol** 125(7):962–5, 1 AUG 76

Ultrasound localization of laminaria. Lee TG, et al. **Am J Obstet Gynecol** 126(2):293–5, 15Sep 76

A simple geometric method for determining fetal weight in utero with the compound gray scale ultrasonic scan. Picker RH, et al. **Am J Obstet Gynecol** 124(5):493–4, 1 Mar 76

Evaluation of diagnostic ultrasound in gynecology. Queenan JT, et al. **Am J Obstet Gynecol** 123(5):453–65, 1 Nov 75

Diagnostic ultrasound for detection of intrauterine growth retardation. Queenan JT, et al. **Am J Obstet Gynecol** 124(8):865–73, 15 Apr 76

Assessment of intrauterine growth retardation by diagnostic ultrasound. Whetham JC, et al. **Am J Obstet Gynecol** 125(5):577–80, 1 Jul 76

Glaucomatous cupping of the optic disk by ultrasonography. Cohen JS, et al. **Am J Ophthalmol** 82(1):24–6, Jul 76

Pseudocyst formation in acute pancreatitis: ultrasonographic evaluation of 99 cases. Gonzalez AC, et al. **Am J Roentgenol** 127(2):315–7, Aug 76

Cardiac reconstruction imaging in relation to other ultrasound systems and computed tomography. Gramiak R, et al. **Am J Roentgenol** 127(1):91–9, Jul 76

Demonstration and dimensional analysis of the normal pancreas with gray-scale echography. Haber K, et al. **Am J Roentgenol** 126(3):624–8, Mar 76

Ultrasonic evaluation of the unilateral nonvisualized kidney. Marangola JP, et al. **Am J Roentgenol** 126(4):853–62, Apr 76

Ultrasound diagnosis of posttransplant renal lymphocele. Phillips JF, et al. **Am J Roentgenol** 126(6):1194–6, Jun 76

Hepatoscintigraphy, arteriography, and ultrasonography in preoperative diagnosis of choledochal cyst. Piyachon C, et al. **Am J Roentgenol** 127(3):520–3, Sep 76

A new concept of ascitic fluid distribution. Proto AV, et al. **Am J Roentgenol** 126(5):974–80, May 76

Angiography and ultrasonography. A comparative study of abdominal aortic aneurysms. Wheeler WE, et al. **Am J Roentgenol** 126(1):95–100, Jan 76

Hepatic echography. Hébert G, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):51–9, Sep 75

Complementary role of sonography and arteriography in management of uterine choriocarcinoma. Levin DC, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):462–8, Oct 75

Residual urine determination by ultrasonic scanning. Pedersen JF, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):474–8, Oct 75

Ultrasound in the management of elective abortion. Sanders RC, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):469–73, Oct 75

Gray scale ultrasound diagnosis of obstructive biliary disease. Stone LB, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):47–50, Sep 75

Spontaneous resolution of pancreatic pseudocysts: implications for timing of operative intervention. Bradley EL 3d, et al. **Am J Surg** 129(1):23–8, Jan 75

The Doppler and its use in axial flaps. Corwin TR, et al. **Am J Surg** 131(6):660–3, Jun 76

Validation of the role of pulsatility index in quantitation of the severity of peripheral arterial occlusive disease. Johnston KW, et al. **Am J Surg** 131(3):295–7, Mar 76

Validity of the ultrasonic technique as a method of measuring subcutaneous adipose tissue. Haymes EM, et al. **Ann Hum Biol** 3(3):245–51, May 76

Medical acoustical holography. Holbrooke DR, et al. **Ann NY Acad Sci** 267:295–311, 30 Jan 76

Proceedings: Assessment of the role of ultrasonography in the diagnosis of pancreatic disease. Beeby DI, et al. **Ann R Coll Surg Engl** 58(4):325, Jul 76

Proceedings: Thin sclerae. A clinical illusion. Rooney PJ, et al. **Ann Rheum Dis** 34(5):465, Oct 75

Postoperative deep vein thrombosis in the lower extremity amputee: A prospective study with Doppler ultrasound. Barnes RW, et al. **Ann Surg** 183(4):429–32, Apr 76

Events related to microembolism during extracorporeal perfusion in man: effectiveness of in-line filtration recorded by ultrasound. Loop FD, et al. **Ann Thorac Surg** 21(5):412–20, May 76

Assessment of Doppler ultrasound to measure systolic and diastolic blood pressures in infants and young children. Whyte RK, et al. **Arch Dis Child** 50(7):542–4, Jul 75

[Proceedings: Liver neoplasms explored using echotomography] Pietri H, et al. **Arch Fr Mal App Dig** 64(3):288, Apr–May 75 **(Eng, Fre)**

False-positive gray-scale ultrasonography for intra-abdominal abscesses. Cunningham JJ. **Arch Surg** 111(7):810–1, Jul 76

Direct injection into the gallbladder in dogs, using ultrasonic guidance. Hogan MT, et al. **Arch Surg** 111(5):564–5, May 76

Ultrasonic flow detection for localization of splenic and renal veins. Johnson WC. **Arch Surg** 111(9):1032, Sep 76

Ultrasonographic demonstration of popliteal cysts in rheumatoid arthritis. A noninvasive technique. Moore CP, et al. **Arthritis Rheum** 18(6):577–80, Nov–Dec 75

Ultrasonic diagnosis of lymphocele complicating renal transplantation. Curran JE, et al. **Australas Radiol** 20(1):69–71, Mar 76

Ultrasonic evaluation of pelvic masses. Curran JE, et al. **Australas Radiol** 20(1):58–61, Mar 76

Abdominal aortic echography. Duffy P, et al. **Australas Radiol** 19(4):361–9, Dec 75

Renal echography. Duffy P, et al. **Australas Radiol** 20(1):47–57, Mar 76

Ultrasonic and radiological investigation of abdominal pregnancy. Garrett WJ, et al. **Australas Radiol** 19(4):334–7, Dec 75

Ultrasonic assessment of early callus formation. Brown SA, et al. **Biomed Eng** 11(4):124–7, 136, Apr 76

A simple technique for measuring certain elastic moduli in bone. Ambardar A, et al. **Biomed Sci Instrum** 12:23–7, 3–5 May 76

Some digital signal processing methods for detecting fat particles in blood. Rearden RS Jr, et al. **Biomed Sci Instrum** 12:47–50, 3–5 May 76

Ultrasonic detection of cardiovascular flow disturbances. Winter DC, et al. **Biomed Sci Instrum** 12:101–5, 3–5 May 76

Erythrocyte sedimentation studied by an echographic method. Hanss M, et al. **Biomedicine [Express]** 25(3):81–2, May 76

Hypertrophic obstructive cardiomyopathy. Assessment by echocardiographic and Doppler ultrasound techniques. Boughner DR, et al. **Br Heart J** 37(9):917–23, Sep 75

Transcutaneous aortovelography. Potentially useful technique in management of critically ill patients. Buchtal A, et al. **Br Heart J** 38(5):451–6, May 76

Clinical experience with use of ultrasound sphygmomanometer. George CF, et al. **Br Heart J** 37(8):804–7, Aug 75

Transcutaneous aortovelography. A new window on the circulation? Light H. **Br Heart J** 38(5):433–42, May 76 (57 ref.)

Transcutaneous aortovelography. A quantitative evaluation. Sequeira RF, et al. **Br Heart J** 38(5):443–50, May 76

Ultrasonography and advanced extrauterine pregnancy. Lorimer JD. **Br J Clin Pract** 29(12):349–50 passim, Dec 75

Ultrasonic methods for sampling human skin micro-organisms. Stringer MF, et al. **Br J Dermatol** 94(5):551–5, May 76

Puerperal ultrasonic hysterography in the diagnosis of congenital uterine malformations. Bennett MJ. **Br J Obstet Gynaecol** 83(5):389–92, May 76

Ultrasonic measurement of fetal abdomen circumference in the estimation of fetal weight. Campbell S, et al. **Br J Obstet Gynaecol** 82(9):689–97, Sep 75

The ultrasonic measurement of fetal crown-rump length as a method of assessing gestational age. Drumm JE, et al. **Br J Obstet Gynaecol** 83(6):417–21, Jun 76

Prognosis in threatened abortion: a comparison between predictions made by sonar urinary hormone assays and clinical judgement. Duff GB. **Br J Obstet Gynaecol** 82(11):858–62, Nov 75

Estimation of fetal weight from ultrasonic measurement of trunk circumference. Higginbottom J, et al. **Br J Obstet Gynaecol** 82(9):698–701, Sep 75

A new method for estimation of fetal weight in late pregnancy by ultrasonic scanning. Lunt R, et al. **Br J Obstet Gynaecol** 83(1):1–5, Jan 76

Precision of ultrasonic fetal cephalometry. Poll V. **Br J Obstet Gynaecol** 83(3):217–20, Mar 76

A critical evaluation of sonar 'crown-rump length' measurements. Robinson HP, et al. **Br J Obstet Gynaecol** 82(9):702–10, Sep 75

The diagnosis of early pregnancy failure by sonar. Robinson HP. **Br J Obstet Gynaecol** 82(11):849–57, Nov 75

Letter: Ultrasound scanning in a radiotherapy department. Badcock P, et al. **Br J Radiol** 49(581):478, May 76

Proceedings: Ultrasound scanning in a radiotherapy department. Badcock PC. **Br J Radiol** 49(584):732, Aug 76

Proceedings: The assessment and management of carotid arterial disease using spectral analysis of the Doppler signal. Baskett JJ, et al. **Br J Radiol** 49(584):731, Aug 76

Proceedings: Grey scaling in routine examinations of the first, second, and third trimesters of pregnancy. Christie AD, et al. **Br J Radiol** 49(584):730, Aug 76

Adrenal venography and ultrasound in the investigation of the adrenal gland: an analysis of 58 cases. Davidson JK, et al. **Br J Radiol** 48(570):435–50, Jun 75

Proceedings: An evaluation of fetal cephalometry. Davies P. **Br J Radiol** 49(579):287, Mar 76

New diagnostic horizons with sonar. The Mackenzie Davidson Memorial Lecture given at The British Institute of Radiology, February 20, 1975. Donald I. **Br J Radiol** 49(580):306–15, Apr 76

Proceedings: Ultrasound in the management of acute pancreatitis. Duncan JG, et al. **Br J Radiol** 49(584):731, Aug 76

Proceedings: An approach to quantitation of the grey scale. Gore JC, et al. **Br J Radiol** 49(584):730, Aug 76

Letter: Recording and storage of ultrasonic grey-scale images with a scan converter. Hall AJ, et al. **Br J Radiol** 48(576):1038, Dec 75

The ultra-uterine demonstration of duodenal atresia by ultrasound. Loveday BJ, et al. **Br J Radiol** 48(576):1031–2, Dec 75

Proceedings: Critical comparison of the diagnostic value of bistable and stored grey-scale display in routine ultrasound practice. Meire HB. **Br J Radiol** 49(584):729–30, Aug 76

Proceedings: Enhancement of displayed dynamic range by colour conversion of a stored grey scale image. Meire HB. **Br J Radiol** 49(584):730, Aug 76

Proceedings: Photographic aspects of grey scaling. Railton R, et al. **Br J Radiol** 49(584):729, Aug 76

Ultrasonic diagnosis of choledochal cyst in pregnancy. Russell JG, et al. **Br J Radiol** 49(581):425–6, May 76

Proceedings: Renal failure. Sanders RC. **Br J Radiol** 49(584):732, Aug 76

Echography in the diagnosis and management of retinal detachment. Sutherland GR, et al. **Br J Radiol** 48(574):796–800, Oct 75

Demonstration of abnormalities of the lens by echography. Sutherland GR, et al. **Br J Radiol** 48(576):1019–22, Dec 75

Scanning techniques in grey-scale ultrasonography. Taylor KJ, et al. **Br J Radiol** 48(575):918–20, Nov 75

Grey-scale ultrasound imaging: diagnosis of metastatic secreting cystadenocarcinoma of the ovary. Taylor KJ. **Br J Radiol** 48(575):937–9, Nov 75

Ultrasonic investigation of inferior vena-caval obstruction. Taylor KJ. **Br J Radiol** 48(576):1024–6, Dec 75

A clinical evaluation of grey-scale ultrasonography. Taylor KJ, et al. **Br J Radiol** 49(579):244–52, Mar 76

Differential diagnosis of chronic splenomegaly by grey-scale ultrasonography: Clinical observations and digital A-scan analysis. Taylor KJ, et al. **Br J Radiol** 49(582):519–25, Jun 76

Proceedings: The assessment of abdominal lymph-nodes with ultrasound. Tyrrell CJ, et al. **Br J Radiol** 49(584):732, Aug 76

Proceedings: Sonographic localization of intra-uterine contraceptive devices. Watt I, et al. **Br J Radiol** 49(584):731–2, Aug 76

Proceedings: A blind clinical trial comparing ultrasound detection with established techniques to predict the site of incompetent perforating veins. Burnand KG, et al. **Br J Surg** 62(8):667, Aug 75

Ultrasound assessment of residual urine in children. Harrison NW, et al. **Br J Urol** 47(7):805–14, 1975

Grey-scale ultrasound imaging: assessment of acute hydronephrosis. Taylor KJ, et al. **Br J Urol** 47(6):593–7, Dec 75

Editorial: Ultrasound and the kidney. **Br Med J** 1(6024):1489–90, 19 Jun 76

Doppler ultrasound method for detecting human fetal breathing in utero. Boyce ES, et al. **Br Med J** 2(6026):17–8, 3 Jul 76

Letter: Renal masses and ultrasound. Burwood R. **Br Med J** 1(6005):341, 7 Feb 76

Letter: Doppler ultrasound in diagnosis of deep vein thrombosis. Cooke ED. **Br Med J** 1(6017):1075, 1 May 76

Detection of deep vein thrombosis by Doppler angiography. Day TK, et al. **Br Med J** 1(6010):618–20, 13Mar 76

Value of Doppler ultrasound in diagnosis of clinically suspected deep vein thrombosis. Meadway J, et al. **Br Med J** 4(5996):552–4, 6 Dec 75

Letter: Doppler angiography. Negus D, et al. **Br Med J** 1(6018):1148, 8 May 76

Renal masses and ultrasound. Sherwood T. **Br Med J** 4(5998):682–3, 20 Dec 75

Ultrasonic monitoring of fetal respiratory movement. Tremewan RN, et al. **Br Med J** 1(6023):1434–5, 12 Jun 76

The accuracy of porcine pregnancy diagnosis by a newly developed ultrasonic A-scan tester. Hansen LH, et al. **Br Vet J** 132(1):66–7, Jan–Feb 76

Doppler determined blood pressure recordings: the effect of varying cuff sizes in children. Hill GE, et al. **Can Anaesth Soc J** 23(3):323–6, May 76

Transoesophageal aortic velography in man. Tomlin PJ, et al. **Can Anaesth Soc J** 22(5):561–71, Sep 75

Hypoplastic optic nerves studied with B-scan ultrasonography and axial tomography of the optic canals. Boynton JR, et al. **Can J Ophthalmol** 10(4):473–81, Oct 75

B-scan ultrasonography in the diagnosis of atypical retinoblastomas. Shields JA, et al. **Can J Ophthalmol** 11(1):42–51, Jan 76

Ultrasound in gynecology. Miskin M. **Can Med Assoc J** 114(12):1083, 19 Jun 76

Ultrasonic imaging of neoplasms. Freimanis AK. **Cancer** 37(1 suppl):496–502, Jan 76

Use of diagnostic ultrasound in trophoblastic neoplasms and ovarian tumors. Kobayashi M. **Cancer** 38(1 SUPPL):441–52, Jul 76

Transcutaneous measurement of blood flow velocity in the human aorta. Angelsen BA, et al. **Cardiovasc Res** 10(3):368–79, May 76

Ultrasonic measurement of prosthetic heart valve action. McIlmoyle G, et al. **Cardiovasc Res** 9(4):554–60, Jul 75

Doppler ultrasonic assessment of aortic stenosis by analysis of axillary arterial blood velocity upstroke time. Barnes RW, et al. **Chest** 70(1):48–50, Jul 76

The diagnosis of pleural effusion by ultrasonic and radiologic techniques. Gryminski J, et al. **Chest** 70(1):33–7, Jul 76

Assessment of aortic insufficiency by transcutaneous Doppler ultrasound. Boughner DR. **Circulation** 52(5):874–9, Nov 75

Noninvasive assessment of aorta-coronary saphenous vein bypass graft patency using directional Doppler. Pisko-Dubienski ZA, et al. **Circulation** 52(2 Suppl 1):188–97, Aug 75

Cord-like aortic valve vegetation in bacterial endocarditis. Demonstration by cardiac ultrasonography. Report of a case. Yoshikawa J, et al. **Circulation** 53(5):911–4, May 76

A comparision of grey-scale ultrasound with other methods for the detection of liver metastases from breast carcinoma. Smith IE, et al. **Clin Oncol** 2(1):47–53, Mar 76

Ultrasonic study of normal and fractured bone. Gerlanc M, et al. **Clin Orthop** (111):175–80, Sep 75

The assessment of fetal development by diagnostic ultrasound. Campbell S. **Clin Perinatol** 1(2):507–24, Sep 74

Ultrasonics in early pregnancy: diagnostic scanning and fetal motor activity. Reinold E. **Contrib Gynec Obstet** 1:1–148, 1976 (386 ref.)

Transcutaneous aortovelography: reproducibility in adults and children. Fraser CB, et al. **Eur J Cardiol** 4(2):181–9, Jun 76

The use of ultrasound in the diagnosis of gastroenterological disease. Doust BD. **Gastroenterology** 70(4):602–10, Apr 76 (40 ref.)

Abdominal ultrasonography in a mesenteric cyst presenting as ascites. Gordon MJ, et al. **Gastroenterology** 69(3):761–4, Sep 75

[Early ultrasonic diagnosis of anencephaly and iniencephaly (author's transl)] Hackelöer BJ, et al. **Geburtshilfe Frauenheilkd** 35(11):866–71, Nov 75 (Eng. Abstr.)

Advantages of ultrasonography in evaluating abdominal masses. Hassani N. **Geriatrics** 31(6):79–82, Jun 76

An evaluation of echography in the diagnosis of pancreatic disease. Fontana G, et al. **Gut** 17(3):228–34, Mar 76

Current applications of diagnostic ultrasound. Taylor KJ, et al. **Guys Hosp Rep** 123(1):27–41, 1974

Electrical recording and reproduction of ultrasono-tomograms using a VTR. Ide M, et al. **IEEE Trans Biomed Eng** 22(4):340–6, Jul 75

Diagnosis of triplets by ultrasonography. Asokan S, et al. **Ill Med J** 149(6):538–9, Jun 76

Ultrasound in the diagnosis of intraabdominal hemorrhage and pseudocyst. pp. 275–80. Goldberg BB.
In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974.

Diagnostic ultrasound in the cancer workup. pp. 33–46. Jacobson JB.
In: Cohen RJ, Castro JR, ed. Current concepts in the diagnosis and treatment of the intra-abdominal cancers. Flushing, N.Y., Medical Examination Publishing, 1975. W3 SA313 1974c.

Ultrasound in the diagnosis of ovarian neoplasia. pp. 92–8. Donald I.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.

Ultrasound and plethysmography in the diagnosis of acute venous thrombosis. pp. 100–13. Strandness DE Jr.
In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.

Ultrasonic evaluation of vitreous hemorrhage following ocular trauma. pp. 474–9. Coleman DJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonographic ocular evaluation prior to vitrectomy. pp. 100–12. Jack RL.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Sonography: seeing with sound. pp. 16–24. Robinson DE, et al.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

The current status of sonar in the first half of pregnancy and possible future developments. pp. 232–40. Robinson HP.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

Ultrasonic intrauterine visualization utilizing a storage grey scale display. pp. 243–53. Rosenblum LH, et al.
In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

Ultrasound in diagnosis of cardiomyopathies. pp. 49–56. Pridie RB, et al.
In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.

The ultrasonic diagnosis of uterine fundal abnormalities. pp. 262–8. Bennett MJ.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Sonar in early abnormal pregnancy. pp. 273–9. Ceccarello PL, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

The diagnosis of ectopic pregnancy by echosounding. pp. 285–8. Chinchilla C, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Comparison of caesium scintiscanning with grey-scale echography in the investigation of solitary, non-functioning thyroid nodules. pp. 207–12. Crocker EF, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Quantitative analysis of flow conditions in simulated vessels and large human arteries and veins by means of ultrasound. pp. 160–8. Doriot PA, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Echotomographic survey in human kidney transplantation. pp. 222–7. Duval JM, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Diagnostic ultrasound standardization in North America. pp. 180–96. Erikson KR.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Automatic eye visualization and ultrasonic intensity determination in focused beams by means of electrodynamic and capacitance methods. pp. 129–34. Filipczyński L, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Ultrasonic methods in thyroid diagnosis with particular reference to the differential diagnosis of the 'cold' nodule. pp. 213–7. Frank T.
In: Kazner E, et al., ed. Ultrasonics in medicine.

Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Ultrasonic diagnosis of congenital abnormalities in the fetal chest and abdomen. pp. 311–5. Garrett WJ, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Use of a multichannel Doppler ultrasonic flowmeter for the study of cerebral hemodynamics in the macaque monkey. pp. 334–9. Gonzalez RR Jr, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Echography–radiography–histology correlation in breast cancer. pp. 253–61. Gros C, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Technique of amniocentesis in early pregnancy. pp. 280–4. Haller U, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Quantification of fetal movement in normal and pathologic pregnancy. pp. 316–9. Henner H, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Localization of the vocal folds and registration of their movements by ultrasound. pp. 349–54. Holmer NG, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Ultrasonic localization of the IUCD. pp. 269–72. Iannirubertо A, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Ultrasonic examination in orthopedic surgery. pp. 343–8. Kratochwil A, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
The antenatal diagnosis of fetal malformations and abnormalities by ultrasound. pp. 304–10. Kurjak A.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Computer analysis of the A-scan for the detection of generalized diseases of the liver. pp. 218–21. Lorenz WJ, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
An automatic ultrasound fetal cephalometer. pp. 289–91. Meire HB, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Computer acquisition and processing of ultrasonic data. pp. 96–102. Robinson DE, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
The use of the Doppler ultrasonic flowmeter in the transcutaneous and intraoperative measurement of coronary artery blood flow. pp. 169–73. Vogel S, et al.

In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Fetal urine production and amniotic fluid volume in 15 cases of polyhydramnios. pp. 297–303. Wladimiroff JW, et al.

In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Oblique section as an error in the measurement of the fetal mid-body cross-section by B-scan and its correction. pp. 292–6. Ylöstalo P.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Hemodynamic study of nifedipine using Doppler flowmetry. pp. 253–7. Angelsen B, et al.
In: Lochner W, et al., ed. New therapy of ischemic heart disease. Berlin, Springer, 1975. W3 IN789 1974n.
Safety of ultrasound in diagnosis. pp. 341–50. Hill CR.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f. (9 ref.)
[Clinical applications of the Doppler technique for diagnosis heart diseases] pp. 201–12. Kalmanson D.
In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974. (Eng, Fre)
Doppler information from deep thoracic arteries by non-invasive techniques. pp. 191–200. Light LH.
In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.
Clinical applications of continuous wave and pulsed Doppler velocity detectors. pp. 147–90. Strandness DE Jr, et al.

In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.
Ultrasound in managing the high-risk pregnancy. pp. 137–67. Sabbagha RE.
In: Spellacy WN, ed. Management of the high-risk pregnancy. Baltimore, Univer Park Press, 1976. WQ 175 M266 1975. (24 ref.)
Noninvasive techniques for measuring lower extremity blood flow (ultrasound). pp. 189–201. Sumner DS, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.
B-scan ultrasonography of the retina and vitreous. Coleman DJ, et al. **Int Ophthalmol Clin** 16(1):31–43, Spring 76
Ultrasonography in ocular and orbital trauma. Dallow RL. **Int Ophthalmol Clin** 14(4):23–56, Winter 74
Portal blood flow as measured by the Doppler shift technique in sheep fed cl.opped forages. Prewitt LR, et al. **J Anim Sci** 41(2):596–600, Aug 75
B-mode ultrasonic scanning. Holder JC. **J Arkansas Med Soc** 72(3):130–6, Aug 75
Applications of echography in radiotherapy. van Daal WA, et al. **J Belge Radiol** 59:157–64, Mar–Apr 76
Echography: a new approach to the diagnosis of adrenal hemorrhage of the newborn. Pond GD, et al. **J Can Assoc Radiol** 27(1):40–4, Mar 76
Proceedings: An index of healing in below-knee amputation: leg blood pressure by Doppler ultrasound. Barnes RW, et al. **J Cardiovasc Surg (Torino)** 17(1):101–2, Jan–Feb 76
Follow-up study of patients with aorto-coronary saphenous vein bypass. Comparison between recoronarography and ultrasonic 'Doppler' technique. Warnke H, et al. **J Cardiovasc Surg (Torino)** Spec No:107–10, 1973
A simple technique to determine the extent of abdominal aortic aneurysms of B-mode sonography. Anderson RD. **J Clin Ultrasound** 2(4):297–8, Dec 74
Orbital rhabdomyosarcoma in a three week old infant. Basta LL, et al. **J Clin Ultrasound** 4(3):205–7, Jun 76
Renal pelvic lipomatosis: a sonographic evaluation. Becker JA, et al. **J Clin Ultrasound** 2(4):299–301, Dec 74
Anterior position of the lower pole of the right kidney: potential confusion with right upper quadrant mass. Bree RL. **J Clin Ultrasound** 4(4):283–5, Aug 76
Differences in the attenuation of ultrasound by normal, benign, and malignant breast tissue. Calderon C, et al. **J Clin Ultrasound** 4(4):249–54, Aug 76
Newer ultrasonographic anatomy in the upper abdomen: I. The portal and hepatic venous anatomy. Carlsen EN, et al. **J Clin Ultrasound** 4(2):85–90, Apr 76
The gray scale echographic appearance of thyroid malignancy. Crocker EF, et al. **J Clin Ultrasound** 2(4):305–6, Dec 74
Expanded criteria for the ultrasonic diagnosis of gallstones. Crow HC, et al. **J Clin Ultrasound** 4(4):289–92, Aug 76
In vitro gray scale echography of protein-lipid fluid collections in liver tissue. Cunningham JJ. **J Clin Ultrasound** 4(4):255–8, Aug 76
Ultrasound diagnosis of and cyst puncture guidance for a second unilateral renal cyst. Darby RE, et al. **J Clin Ultrasound** 2(4):295–6, Dec 74
Pulsed Doppler ultrasound detection of flow disturbances in arteriosclerosis. Felix RW Jr, et al. **J Clin Ultrasound** 4(4):275–82, Aug 76
Choledochal cyst: report of a case with specific ultrasonographic findings. Filly RA, et al. **J Clin Ultrasound** 4(1):7–10, Feb 76
Newer ultrasonographic anatomy in the upper abdomen: II. The major systemic veins and arteries with a special note on localization of the pancreas. Filly RA, et al. **J Clin Ultrasound** 4(2):91–6, Apr 76
Ultrasound findings in segmental uterine distension. Fisch AE, et al. **J Clin Ultrasound** 4(3):209–11, Jun 76
Gray scale sonographic appearance of an adrenal mass: a case report. Ghorashi B, et al. **J Clin Ultrasound** 4(2):121–3, Apr 76
Recognition of the hydropic fetus by gray scale ultrasound. Ghorashi B, et al. **J Clin Ultrasound** 4(3):193–7, Jun 76
Ultrasonic aspiration biopsy techniques. Goldberg BB, et al. **J Clin Ultrasound** 4(2):141–51, Apr 76 (18 ref.)
The diagnosis of sextuplets by ultrasound–a case report. Gottesfeld KR, et al. **J Clin Ultrasound** 2(4):291–3, Dec 74
Diagnostic ultrasound of the urinary tract. Green WM, et al. **J Clin Ultrasound** 4(1):55–64, Feb 76
Ultrasonic scanning of the pancreas. Hancke S. **J Clin Ultrasound** 4(3):223–30, Jun 76
The ultrasound findings in an obstructed afferent loop. Hauser JB, et al. **J Clin Ultrasound** 2(4):287–9, Dec 74
Ultrasound B scan imaging of an intracranial lesion through a postoperative bone flap defect. Hoffman RB, et al. **J Clin Ultrasound** 4(2):125–7, Apr 76
Screening for intrauterine growth retardation using the ultrasound biparietal diameter. Hohler CW, et al. **J Clin Ultrasound** 4(3):187–91, Jun 76
Echographic patterns of malignant lymphoma. Kobayashi T, et al. **J Clin Ultrasound** 4(3):181–6, Jun 76
Prediction of maturity in first trimester of pregnancy by ultrasonic measurement of fetal crown-rump length. Kurjak A, et al. **J Clin Ultrasound** 4(2):83–4, Apr 76
Posterior fossa cyst:prenatal diagnosis by ultrasound. Lee TG, et al. **J Clin Ultrasound** 4(1):29–30, Feb 76
Ultrasonic assessment of the high rate of human multiple pregnancy in the first trimester. Levi S. **J Clin Ultrasound** 4(1):3–5, Feb 76
The Ultrasonic Tissue Characterization Seminar: an assessment. Linzer M. **J Clin Ultrasound** 4(2):97–100, Apr 76
Ultrasonic diagnosis of liver metastases. McArdle CR. **J Clin Ultrasound** 4(4):265–8, Aug 76
B-mode ultrasonic examination of the testes. Miskin M, et al. **J Clin Ultrasound** 2(4):307–11, Dec 74
Ultrasound of the parotid gland. Neiman HL, et al. **J Clin Ultrasound** 4(1):11–3, Feb 76
Ultrasonic evaluation of the common bile duct. Perlmutter GS, et al. **J Clin Ultrasound** 4(2):107–11, Apr 76
Erythroblastosis fetalis: ultrasonic diagnosis. Shaub M, et al. **J Clin Ultrasound** 4(1):19–21, Feb 76
Ultrasonographic demonstration of patency of subarachnoid–orbital shunt. Skalka HW. **J Clin Ultrasound** 4(3):219–20, Jun 76
Pitfalls in the echographic evaluation of pancreatic disease. Sokoloff J, et al. **J Clin Ultrasound** 2(4):321–6, Dec 74
Ultrasonically guided percutaneous aspiration of lymphoceles following renal transplantation: a diagnostic and therapeutic method. Spigos D, et al. **J Clin Ultrasound** 4(1):45–6, Feb 76
Gray scale ultrasonography in the diagnosis of thyroid swellings. Taylor KJ, et al. **J Clin Ultrasound** 2(4):327–30, Dec 74
Ultrasonic characteristics of pelvic inflammatory masses. Uhrich PC, et al. **J Clin Ultrasound** 4(3):199–204, Jun 76
Spontaneous drainage of a large cystic tumor. Winston MA, et al. **J Clin Ultrasound** 4(2):119–20, Apr 76
Ultrasonics evaluation of intrathoracic masses. Wolson AH. **J Clin Ultrasound** 4(4):269–73, Aug 76
Ultrasonic evaluation of postpartum sepsis with retained Dalkon shield. Zeit RM. **J Clin Ultrasound** 2(4):303–4, Dec 74
Comparison of pelvic ultrasonography and pneumography for ovarian size. Zemlyn S. **J Clin Ultrasound** 2(4):331–8, Dec 74
Ultrasound diagnosis for head injuries. Heimburger RF, et al. **J Indiana State Med Assoc** 69(5):247–50, May 76
Diagnostic ultrasound: determination of fetal biparietal diameters as an index of gestational age. Queenan JT, et al. **J Ky Med Assoc** 73(11):595–8, Nov 75
Ultrasonic evaluation of uterine fibroids. The sonic shadow sign. Hassani N. **J Natl Med Assoc** 67(4):307–10, Jul 75
Intraoperative use of Doppler to detect successful obliteration of carotid–cavernous fistulas. Technical note. Matjasko MJ, et al. **J Neurosurg** 43(5):634–5, Nov 75
The Doppler ophthalmic test: report of a study on its value in diagnosis of internal carotid artery insufficiency. Nuzzaci G, et al. **J Neurosurg Sci** 19(3):129–38, Jul–Sep 75
Improved diagnosis of 'nondelineated' thyroid nodules by oblique scintillation scanning and echography. Blum M, et al. **J Nucl Med** 16(8):713–5, Aug 75
Diagnosis of hepatic hemangioma using multiple-radionuclide and ultrasound techniques. Taylor RD, et al. **J Nucl Med** 17(5):362–4, May 76
Problems in using linear ultrasound parameters for the determination of fetal weight. Issel EP, et al. **J Perinat Med** 4(1):26–37, 1976
The state of ultrasound diagnosis in perinatal medicine. Kratochwil A. **J Perinat Med** 3(2):75–88, 1975 (82 ref.)
Prognostic significance of abnormal ultrasonographic findings during the second trimester of gestation. Ramzin MS, et al. **J Perinat Med** 1(1):60–4, 1973
Clinical value of fetal spontaneous movements in early pregnancy. Reinold E. **J Perinat Med** 1(1):65–72, 1973
Demonstration of articular effusions and popliteal cysts with ultrasound. Ambanelli U, et al. **J Rheumatol** 3(2):134–9, Jun 76
Assessment of colonic ischemia during aortic surgery by Doppler ultrasound. Hobson RW 2d, et al. **J Surg Res** 20(3):231–5, Mar 76
Placental migration. Bell RL. **J Tenn Med Assoc** 69(5):341, May 76
Doppler ultrasonic flow detection as an adjunct in the diagnosis of patent ductus arteriosus in premature infants. Feldtman RW, et al. **J Thorac Cardiovasc Surg** 72(2):288–90, AUG 76
A technique for measuring blood pressure in a medical evacuation helicopter. Peacock JB, et al. **J Trauma** 15(11):999–1002, Nov 75
Intraoperative localization of a renal calculus using ultrasound. Andaloro VA Jr, et al. **J Urol** 116(1):92–3, Jul 76
The role of ultrasonics in the evaluation of renal masses. Babaian RJ, et al. **J Urol** 115(6):646–7, Jun 76
Lymphocyst: ultrasound diagnosis and urologic management. Basinger GT, et al. **J Urol** 114(5):740–5, Nov 75
Sonography of the Page kidney. Conrad MR, et al. **J Urol** 116(3):293–6, Sep 76
Diagnosis of retroperitoneal fluid collections by ultrasonography: a series of surgically proved cases. McCullough DL, et al. **J Urol** 115(6):656–9, Jun 76
Obstructive uropathy in the transplanted kidney: evaluation by gray scale sonography. Rosenfield AT, et al. **J Urol** 116(1):101–2, Jul 76
The place of diagnostic ultrasound in the examination of kidneys not seen on excretory urography. Sanders RC. **J Urol** 114(6):813–21, Dec 75
Transrectal ultrasonotomography of the prostate. Watanabe H, et al. **J Urol** 114(5):734–9, Nov 75
Ultrasound examination of the gallbladder. An alternative to 'double-dose' oral cholecystography. Bartrum RJ Jr, et al. **JAMA** 236(10):1147–8, 6 Sep 76
Letter: Ultrasound and amniocentesis. Conrad MR. **JAMA** 235(21):2284, 24 May 76
Letter: Ultrasound in diagnosis of acute cholecystitis. Crow HC, et al. **JAMA** 235(22):2389, 31 May 76
Letter: Ultraperil of diagnostic ultrasound. Everett J. **JAMA** 235(26):2813–4, 28 Jun 76
Ultrasonic diagnosis in and about the kidney. Freimanis AK, et al. **JAMA** 234(12):1263–6, 22 Dec 75
Ultrasonic evaluation of intraperitoneal fluid. Goldberg BB. **JAMA** 235(22):2427–30, 31 May 76
Ultrasound diagnosis of Baker cyst. Rudikoff JC, et al. **JAMA** 235(10):1054–5, 8 Mar 76
B-scan ultrasound in the management of abdominal masses in children. Sanders RC. **JAMA** 231(1):81–3, 6 Jan 75
Polycystic liver disease. Report of a case with verification by hepatic sonography. Sanner CJ, et al. **JAMA** 235(15):1593–4, 12 Apr 76
The use of ultrasound in obstetrics and gynecology. Akhter

MS. **JPMA** 26(3):64–7, Mar 76

Automatic measurement of chest drainage by an ultrasonic system. Blackburn JP, et al. **Lancet** 2(7882):698, 21 Sep 74

Ultrasound and human–placental–lactogen screening early detection of twin pregnancies. Grennert L, et al. **Lancet** 1(7949):4–6, 3 Jan 76

Ultrasound monitoring of fetal movements. A method for assessing fetal development? Higginbottom J, et al. **Lancet** 1(7962):719–21, 3 Apr 76

Letter: Diagnostic x–rays in pregnancy. Hobbins JC, et al. **Lancet** 1(7962):739, 3 Apr 76

Ultrasound monitoring of fetal movements. Kubli F, et al. **Lancet** 2(7976):91–2, 10 Jul 76

Letter: Ultrasonic cephalometry. Poll V. **Lancet** 2(7883):785, 28 Sep 74

Evaluation of unilateral exophthalmos with ultrasonography: analysis of 258 consecutive cases. Dallow RL. **Laryngoscope** 85(11 pt 1):1905–19, Nov 75

Abdominal masses and their echo patterns. Nguyen VC, et al. **Md State Med J** 25(5):57–60, May 76

A mathematical model for the ultrasonic measurement of respiratory flow. Blumenfeld W, et al. **Med Biol Eng** 12(5):621–5, Sep 74

A dose monitor for medical ultrasonic pulse–echo systems. Hutchison JM. **Med Biol Eng** 12(6):871–2, Nov 74

Impulse response of a segment of artery derived from transcutaneous blood–velocity measurements. Morris SJ, et al. **Med Biol Eng** 13(6):803–12, Nov 75

Semiautomatic transducer movement for ultrasonic compound B scanning. Mountford RA, et al. **Med Biol Eng** 12(2):227–32, Mar 74

Letter: Mbe letter Vessel area detection with c.w. ultrasound. Roberts SA, et al. **Med Biol Eng** 14(2):245–6, Mar 76

Significance of the velocity impulse response and cross–correlation of the femoral and popliteal blood–velocity/time waveforms in disease of the superficial femoral artery. Woodcock JP, et al. **Med Biol Eng** 13(6):813–8, Nov 75

Hydrocephaly, microcephaly and anencephaly diagnosed in pregnancy by ultrasonic echography. Garrett WJ, et al. **Med J Aust** 2(15):587–9, 11 Oct 75

Ultrasonic blood rheography in vertebral artery of vertigo patients (Doppler method)—with the glass model experiments. Matsunaga T, et al. **Med J Osaka Univ** 25(1–2):43–56, Dec 74

Ultrasound for diagnosis. **Med Lett Drugs Ther** 17(26):107–8, 19 Dec 75

Ultrasound in clinical practice. King DL. **Med Times** 104(6):116–7, Jun 76

Ultrasound—its use in jaundice of uncertain origin. King DL. **Med Times** 104(7):130–1, Jul 76

Differential diagnosis of orbital tumors by echography A. A clinicopathological study of 54 cases. Babel J, et al. **Mod Probl Ophthalmol** 14:254–64, 1975

Use of ultrasonographic staining in the orbit. Baum G. **Mod Probl Ophthalmol** 14:240–7, 1975

Diagnosis of orbital vascular disorders by ophthalmodynamography and echo–orbitography. Bettelheim H, et al. **Mod Probl Ophthalmol** 14:299–304, 1975

Ultrasonic tomography of the orbit. Coleman DJ. **Mod Probl Ophthalmol** 14:236–9, 1975

Ultrasonic technicalities for the non–technical ophthalmologist. Gordon D. **Mod Probl Ophthalmol** 14:200–2, 1975

A–scan echography and orbital disease. Ossoinig KC. **Mod Probl Ophthalmol** 14:203–35, 1975

A–scan ultrasound. Accuracy of diagnosis in orbital diseases. Poujol J. **Mod Probl Ophthalmol** 14:250–3, 1975

Echography in rhinogenic orbital conditions. Till P. **Mod Probl Ophthalmol** 14:273–7, 1975

Results of orbital ultrasonography in 200 clinical cases. Trier HG, et al. **Mod Probl Ophthalmol** 14:265–72, 1975

The use of ultrasound in the assessment of intrauterine fetal death: a review. Kern MJ. **Mt Sinai J Med NY** 43(3):281–90, May–Jun 76 (17 ref.)

Letter: Ultrasonography of ovarian masses. Birnholz JC. **N Engl J Med** 294(16):906, 15 Apr 76

Letter: Complex ovarian mass on ultrasonography: primary or metastatic tumor? Carnovale RL, et al. **N Engl J Med** 294(8):446–7, 19 Feb 76

Editorial: Quantitation of carotid bruits. Dawson DM. **N Engl J Med** 293(22):1146–7, 27 Nov 75

Evaluation of carotid stenosis by phonoangiography. Duncan GW, et al. **N Engl J Med** 293(22):1124–8, 27 Nov 75

Letter: Diagnosis of ectopic pregnancy by ultrasound. Haney AF, et al. **N Engl J Med** 294(21):1186, 20 May 76

Prenatal diagnosis of hypophosphatasia. Rudd NL, et al. **N Engl J Med** 295(3):146–8, 15 Jul 76

Clinical use of an ultrasonic Doppler flow meter in arterial occlusive diseases of the lower extremities. Kawai S, et al. **Nagoya J Med Sci** 38(1–2):25–33, Sep 75

Ultrasonic diagnostic examination of liver, gallbladder, pancreas and spleen. Koch CW. **Neth J Med** 19(2):62–73, 1976

Ultrasonic diagnosis of abdominal aortic aneurysm. Koch CW. **Neth J Med** 19(2):99–102, 1976

Ultrasonography in renal disease. Lustermans FA. **Neth J Med** 19(2):85–98, 1976

Ultrasound in the investigation of the adrenal glands and the kidneys. Morley P. **Neth J Med** 19(2):74–84, 1976

Diagnostic use of echography in abdominal examination. Staverman HJ. **Neth J Med** 19(2):52–61, 1976

Echography in internal medicine. Introduction. Thijs LG. **Neth J Med** 19(2):45–7, 1976

Cardiac applications of ultrasound. Van Dorp WG, et al. **Neth J Med** 19(2):103–10, 1976

The technical background of echography. Vijlbrief P. **Neth J Med** 19(2):48–51, 1976

Ultrasound biparietal diameter. Defining relationships in normal pregnancy. Hohler CW, et al. **NY State J Med** 76(3):373–6, Mar 76

Ultrasound diagnosis of nonobstetric disease during pregnancy. Anderson JM, et al. **Obstet Gynecol** 48(3):359–62, Sep 76

Letter: Ultrasonic cephalometry. Cook WA, et al. **Obstet Gynecol** 47(3):382, Mar 76

Prenatal diagnosis of gastrointestinal tract obstruction. Duenhoelter JH, et al. **Obstet Gynecol** 47(5):618–20, May 76

Ultrasound prior to amniocentesis for genetic counseling. Gerbie AB, et al. **Obstet Gynecol** 46(6):716–9, Dec 75

Risks of fetomaternal hemorrhage resulting from amniocentesis with and without ultrasound placental localization. Harrison R, et al. **Obstet Gynecol** 46(4):389–91, Oct 75

Ultrasonic diagnosis of fetal life in early pregnancy. Jouppila P, et al. **Obstet Gynecol** 46(5):616–20, Nov 75

Sonographic demonstration of fetal death in the absence of radiographic abnormality. Zeit RM. **Obstet Gynecol** 48(1 Suppl):49S–52S, Jul 76

Ultrasonic localization of choroidal detachment associated with flat anterior chamber. Portney GL, et al. **Ophthalmic Surg** 6(3):86–8, Fall 75

Ultrasonography in foreign body detection and localization. Skalka HW. **Ophthalmic Surg** 7(2):27–33, Summer 76

Ultrasonography and lens implantation. Léonard PA. **Ophthalmologica** 171(4–5):276–7, 1975

Determination of the expected power of the implant lens by ultrasound. Oguchi Y, et al. **Ophthalmologica** 171(4–5):281–3, 1975

The role of abdominal sonography in pediatric diagnosis. Dempsey PJ. **Pediatr Ann** 5(1):103–14, Jan 76

Ultrasonography: an aid in the diagnosis of masses in pediatric patients. Goldberg BB, et al. **Pediatrics** 56(3):421–8, Sep 75

A spectral approach to ultrasonic scattering from human tissue: methods, objectives and backscattering measurements. Chivers RC, et al. **Phys Med Biol** 20(3):799–815, Sep 75

Using ultrasound to assess the fetus at risk. Dewhurst CJ. **Postgrad Med** 59(6):141–6, Jun 76

Eye disorders: Using ultrasound in ophthalmologic diagnosis. Hodes BL. **Postgrad Med** 59(4):197–203, Apr 76

Diagnostic uses of ultrasound. Sackler JP, et al. **Postgrad Med** 59(8):95–101, AUG 76 (38 ref.)

Comparison of radioisotope and ultrasound scans of the thyroid. Taylor KJ, et al. **Proc R Soc Med** 68(6):381–4, Jun 75

Preliminary results of grey–scale ultrasonography in the detection of vinyl chloride related liver and spleen disease. Taylor KJ, et al. **Proc R Soc Med** 69(4):292–5, Apr 76

Use of ultrasonic doppler in blood flow determination. Cope DJ. **Radiography** 41(484):79–86, Apr 75

Anencephaly diagnosed by ultrasound: a case report. Sandin B, et al. **Radiography** 41(491):245–8, Nov 75

Evaluation of ultrasonic and scintigraphic studies of the liver. Koch CW, et al. **Radiol Clin (Basel)** 45(2–4):282–91, 1976

Radiation therapy planning with ultrasound. Brascho DJ. **Radiol Clin North Am** 13(3):505–21, Dec 75

The physics of diagnostic ultrasound. Buddemeyer EU. **Radiol Clin North Am** 13(3):391–402, Dec 75

Liver, gallbladder, and spleen. Carlsen EN. **Radiol Clin North Am** 13(3):543–56, Dec 75

Ultrasound in gynecology. Cochrane WJ. **Radiol Clin North Am** 13(3):457–66, Dec 75

Ultrasonic examination of the pancreas. Doust BD. **Radiol Clin North Am** 13(3):467–78, Dec 75

Echographic diagnosis of lesions of the abdominal, aorta and lymph nodes. Freimanis AK. **Radiol Clin North Am** 13(3):557–72, Dec 75

Ultrasonically guided percutaneous puncture. Holm HH, et al. **Radiol Clin North Am** 13(3):493–503, Dec 75

The technology of diagnostic ultrasound. Leo FP, et al. **Radiol Clin North Am** 13(3):403–15, Dec 75

Ocular and orbital echography. McQuown DS. **Radiol Clin North Am** 13(3):523–41, Dec 75 (86 ref.)

Ultrasonography of the thyroid gland. Miskin M, et al. **Radiol Clin North Am** 13(3):479–92, Dec 75

Renal ultrasound. Sanders RC. **Radiol Clin North Am** 13(3):417–34, Dec 75

Echography of suprarenal masses. Marchal G, et al. **Radiologe** 16(8):337–41, Aug 76

Ultrasound assisted amniocentesis in prenatal genetic counseling. Arger PH, et al. **Radiology** 120(1):155–7, Jul 76

Echographic evaluation of splenic injury after blunt trauma. Asher WM, et al. **Radiology** 118(2):411–5, Feb 76

Evaluation of renal transplants with ultrasound. Bartrum RJ Jr, et al. **Radiology** 118(2):405–10, Feb 76

Multicystic kidney: a sonographic pattern. Bearman SB, et al. **Radiology** 118(3):685–8, Mar 76

Retained abdominal placenta followed by angiography and ultrasound. Becker DI, et al. **Radiology** 119(1):207–8, Apr 76

Gray–scale ultrasonography of the thyroid. Chilcote WS. **Radiology** 120(2):381–3, Aug 76

Gray–scale ultrasonography of the thyroid. Chilcote WS. **Radiology** 120(2):381–3, Aug 76

Continuous ultrasound B–scanning of palpable breast masses. Cole–Beuglet C, et al. **Radiology** 117(1):123–8, Oct 75

Ultrasound in the evaluation of anencephaly. Cunningham ME, et al. **Radiology** 118(1):165–7, Jan 76

Ultrasonic evaluation of pleural opacities. Doust BD, et al. **Radiology** 114(1):135–40, Jan 75

Gray–scale ultrasonic properties of the normal and inflamed pancreas. Doust BD, et al. **Radiology** 120(3):653–7, Sep 76

Gray scale ultrasonic investigation of focal defects on 99Tc sulphur colloid liver scanning. Garrett WJ, et al. **Radiology** 119(2):425–8, May 76

Ultrasonic cholangiography. Gray–scale B–scan evaluation of the common bile duct. Goldberg BB. **Radiology** 118(2):401–4, Feb 76

Gray scale shifts in ultrasound displays. Goldstein A. **Radiology** 121(1):157–62, Oct 76

A reappraisal of sonolucent renal masses. Green WM, et al. **Radiology** 121(1):163–71, Oct 76

Echographic evaluation of diaphragmatic motion in intra–abdominal diseases. Haber K, et al. **Radiology** 114(1):141–4, Jan 75

Liver size determination in pediatrics using sonographic and scintigraphic techniques. Holder LE, et al. **Radiology** 117(2):349–53, Nov 75

Ultrasonic 'B' scanning in the diagnosis of complications in renal transplant patients. Koehler PR, et al. **Radiology** 119(3):661–4, Jun 76

Ultrasonic diagnosis of omental cysts. Mittelstaedt C. **Radiology** 117(3 Pt 1):673–6, Dec 75

Visualization of the bile ducts using focused ultrasound. Reid MH. **Radiology** 118(1):155–8, Jan 76

B–scan ultrasound in the evaluation of renal failure. Sanders RC, et al. **Radiology** 119(1):199–202, Apr 76

B–mode ultrasonic evaluation of scrotal swellings. Shawker TH. **Radiology** 118(2):417–9, Feb 76

Gray scale ultrasound imaging. The anatomy and pathology of the liver. Taylor KJ, et al. **Radiology** 119(2):415–23, May 76

The evaluation of malignant gastric neoplasms by ultrasonic B–scanning. Walls WJ. **Radiology** 118(1):159–63, Jan 76

B–scan ultrasound evaluation of the pancreas. Advantages and accuracy compared to other diagnostic techniques. Walls WJ, et al. **Radiology** 114(1):127–34, Jan 75

Ultrasonic characteristics of cystadenoma of the pancreas. Wolson AH, et al. **Radiology** 119(1):203–5, Apr 76

Ultrasonic mitral echograms in the assessment of treatment in hypertrophic obstructive cardiomyopathy. Pridie RB, et al. **Recent Adv Stud Cardiac Struct Metab** 2:817–26, 1973

Transcutaneous Doppler ultrasound in the assessment of peripheral vascular disorders. 2 – Venous. Appleberg M. **S Afr J Surg** 13(2):87–91, Jun 75

Evaluation of aorto–iliac disease with Doppler ultrasound and isotope clearance techniques. Appleberg M, et al. **S Afr Med J** 49(42):1744–6, 4 Oct 75

The diagnosis of deep vein thrombosis in the lower limbs by means of the transcutaneous Doppler ultrasound method. Appleberg M. **S Afr Med J** 50(25):953–5, 12 Jun 76

Ultrasonic measurement of sound velocity in whole blood. A comparison between an ultrasonic method and the conventional packed–cell–volume test for hematocrit determination. Bakke T, et al. **Scand J Clin Lab Invest** 35(5):473–8, Sep 75

Proceedings: Grey scale imaging in sonar. Donald I. **Scott Med J** 20(4):177–9, Jul 75

The value of ultrasonography in the diagnosis of abdominal aortic aneurysm. McGregor JC, et al. **Scott Med J** 20(3):133–7, May 75

Ultrasonic and radionuclide scanning in pancreatic disease. Kahn PC. **Semin Nucl Med** 5(4):325–38, Oct 75 (85 ref.)

Nuclear medicine and ultrasound; correlation in diagnosis of disease of liver and biliary tract. Lomonaco A, et al. **Semin Nucl Med** 5(4):307–24, Oct 75

Combined use of ultrasound and nuclear medicine techniques in kidney disease. Morales JO, et al. **Semin Nucl Med** 5(4):339–51, Oct 75

Ultrasound evaluation of the thyroid. Perlmutter GS, et al. **Semin Nucl Med** 5(4):299–305, Oct 75

An introduction to the use of diagnostic ultrasound. Sweet EM, et al. **Semin Nucl Med** 5(4):289–98, Oct 75

Overview of diagnostic ultrasound. Brown RE. **Semin Roentgenol** 10(4):255–8, Oct 75 (31 ref.)

Doppler ultrasound in the diagnosis of peripheral vascular disease. Felix WR Jr, et al. **Semin Roentgenol** 10(4):315–21, Oct 75 (35 ref.)

Ultrasound and the gallbladder. Gosink BB, et al. **Semin Roentgenol** 11(3):185–9, Jul 76

Ultrasound in obstetrics and gynecology. Gottesfeld KR. **Semin Roentgenol** 10(4):305–13, Oct 75 (21 ref.)

Abdominal ultrasound in animals. James AE Jr, et al. **Semin Roentgenol** 10(4):323–8, Oct 75

Lymphocele following renal transplantation: value of ultrasonography in diagnosis and follow–up studies. Nesbit R, et al. **South Med J** 69(3):303–4, Mar 76

Clinical implications of the Doppler cerebrovascular examination: a correlation with angiography. Bone GE, et al. **Stroke** 7(3):271–4, May–Jun 76

Doppler sonography diagnosis of cerebrovascular disease. Katz DM, et al. **Stroke** 7(5):439–44, Sep–Oct 76

Noninavasive angiography for the diagnosis of carotid artery disease using Doppler ultrasound (carotid artery Doppler). Keller H, et al. **Stroke** 7(4):354–63, Jul–Aug 76

Noninvasive angiography for the diagnosis of vertebral artery disease using Doppler ultrasound (vertebral artery Doppler). Keller HM, et al. **Stroke** 7(4):364–9, Jul–Aug 76

Noninvasive measurement of velocity profiles and blood flow in the common carotid artery by pulsed Doppler ultrasound. Keller HM, et al. **Stroke** 7(4):370–7, Jul–Aug 76

Differentiation of superficial thrombophlebitis from lymphangitis by doppler ultrasound. Barnes RW, et al. **Surg Gynecol Obstet** 143(1):23–5, Jul 76

Accuracy of Doppler ultrasound in clinically suspected venous thrombosis of the calf. Barnes RW, et al. **Surg Gynecol Obstet** 143(3):425–8, Sep 76

Critique of the Allen test for continuity of the palmar arch assessed by doppler ultrasound. Kamienski RW, et al. **Surg Gynecol Obstet** 142(6):861–4, Jun 76

An index of healing in below-knee amputation: leg blood pressure by Doppler ultrasound. Barnes RW, et al. **Surgery** 79(1):13–20, Jan 76

Noninvasive ultrasonic carotid angiography: prospective validation by contrast arteriography. Barnes RW, et al. **Surgery** 80(3):328–35, Sep 76

Limitations of the Doppler cerebrovascular examination in hemispheric cerebral ischemia. Bone GE, et al. **Surgery** 79(5):577–80, May 76

Quantitative ultrasonic blood flow measurement in Dacron grafts. LoGerfo FW, et al. **Surgery** 79(5):569–72, May 76

The accuracy of the supraorbital Doppler examination in the diagnosis of hemodynamically significant carotid occlusive disease. Lye CR, et al. **Surgery** 79(1):42–5, Jan 76

Identification and successful treatment of congenital microfistulas with the aid of directional Doppler. Pisko-Dubienski ZA, et al. **Surgery** 78(5):564–72, Nov 75

Use of gray scale ultrasonography in diagnosing abdominal disorders. Novy SB, et al. **Tex Med** 72(4):62–7, Apr 76

Proceedings: The value of doppler ultrasound in patients with a clinical diagnosis of deep venous thrombosis. Meadway J, et al. **Thromb Diath Haemorrh** 34(2):563–4, 15 Nov 75

Non-invasive detection of ultrasonic Doppler signals from renal vessels. Watanabe H, et al. **Tohoku J Exp Med** 118(4):393–4, Apr 76

Application of ultrasonic shift Doppler technique to record velocity changes of intrauretral urine flow. Yamaguchi O, et al. **Tohoku J Exp Med** 118(1):53–7, Jan 76

Comparison of ultrasonography, computerized tomography (EMI scan), and radiographic techniques in evaluation of exophthalmos. Dallow RL, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):305–22, Mar–Apr 76

High resolution computerized tomography and B-scan ultrasonography of the orbits. Hilal SK, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP607–17, Jul–Aug 76

Electrodiagnosis and ultrasonography in the assessment of recent major trauma. Crews SJ, et al. **Trans Ophthalmol Soc UK** 95(2):315–321, Jul 75

Ultrasonics in ophthalmology. Sutherland GR, et al. **Trans Ophthalmol Soc UK** 94(4):985–91, 1974

An analytical look at ultrasonic diagnosis. Woodhouse DF, et al. **Trans Ophthalmol Soc UK** 94(4):874–9, 1974

Biparietal diameter of the skull and fetal weight in the second trimester: an allometric relationship. Bartolucci L. **Trans Pac Coast Obstet Gynecol Soc** 42:27–33, 1975

An ultrasonic fluctuation velocimeter. Atkinson P. **Ultrasonics** 13(6):275–8, Nov 75

Localization of intracular and intraorbital foreign bodies by means of A-scan ultrasonography. Bertényi A. **Ultrasonics** 14(4):183–5, Jul 76

Ultrasound spectroscopy applied to blood coagulation studies. Jacobs JE, et al. **Ultrasonics** 14(2):84–90, Mar 76

Applications of spectral analysis in medical ultrasonography. Lizzi F, et al. **Ultrasonics** 14(2):77–80, Mar 76

Possibilities and limitations of ultrasonic diagnosis of space occupying lesions in internal medicine. Lutz H, et al. **Ultrasonics** 14(4):156–60, Jul 76

Segmental ultrasonic test for the study of cholecystodyskinesia. Schennetten F, et al. **Ultrasonics** 13(6):279–81, Nov 75

Ultrasonic pelvimetry. A method for preliminary estimation of the pelvic outlet. Václavínková V. **Ultrasonics** 14(3):133–7, May 76

Quantitative colour-ultrasonography by means of a computer aided simultaneous tomogram. Yokoi H, et al. **Ultrasonics** 13(5):219–24, Sep 75

Errors and artifacts encountered in the monitoring of fetal respiratory movements using untrasound. Farman DJ, et al. **Ultrasound Med Biol** 2(1):31–6, Oct 75

The ultrasonic appearance of pathology in the male breast. Jellins J, et al. **Ultrasound Med Biol** 2(1):43–4, Oct 75

Gas phase separation during decompression in man: ultrasound monitoring. Neuman TS, et al. **Undersea Biomed Res** 3(2):121–30, Jun 76

Characterization of renal stone models with Gray Scale echography. In vitro studies with clinical correlation. Cunningham JJ, et al. **Urology** 7(3):315–8, Mar 76

Renal carbuncle: early diagnosis by retroperitoneal ultrasound. Gelman ML, et al. **Urology** 7(1):103–7, Jan 76

Ultrasonic B-mode scanning for invasive transitional cell carcinoma of kidney. Homer MJ, et al. **Urology** 6(5):650–3, Nov 75

Letter: Ultrasound in renal lesions. Lawson TL, et al. **Urology** 6(4):532, Oct 75

Ultrasound in diagnosis and evaluation of lymphoceles after renal transplantation. McDonald DG, et al. **Urology** 7(2):216–9, Feb 76

Diagnosis of testicular torsion using Doppler ultrasonic flowmeter. Thompson IM, et al. **Urology** 6(6):706–7, Dec 75

Diagnostic ultrasound. Lawson TL. **Va Med Mon** 103(5):334–8, 390, May 76

Ultrasonic evaluation of the abdominal aorta. Hogan MT. **W Va Med J** 72(2):36–7, Feb 76

The ultrasonic evaluation of nonfunctioning thyroid nodules. Shaub M, et al. **West J Med** 123(4):265–8, Oct 75

Antenatal diagnosis by means of ultrasound in the rare case of foetal parasitic tumor. Hodek B, et al. **Z Geburtshilfe Perinatol** 180(1):91–4, Feb 76

[Our experience with the Doppler ultrasonic diagnosis of the fetus at risk] Katsulov A, et al. **Akush Ginekol (Sofiia)** 15(2):99–103, 1976 (Eng. Abstr.) **(Bul)**

[Determination of the gestational age in the 1st trimester of pregnancy by ultrasonic measurement of the echo of embryo] Kurjak A, et al. **Acta Med Iugosl** 29(5):399–408, 1975 (Eng. Abstr.) **(Cro)**

[Ultrasonic detection of changes in the hemodynamics of the aorta peripheral arteries in children with aortic coarctation] Nevrtal M, et al. **Cas Lek Cesk** 114(50):1555–62, 12 Dec 75 (Eng. Abstr.) **(Cze)**

[Ultrasonic detection of the venous blood-flow in the lower extremities (author's transl)] Cech E, et al. **Cesk Gynekol** 41(4):265–7, Jun 76 **(Cze)**

[Ultrasonic examination in the prevention of maternal morbidity and mortality (author's transl)] Křikal Z, et al. **Cesk Gynekol** 41(4):262–3, Jun 76 **(Cze)**

[Differential diagnosis of solid and cystic formations in the neck region using ultrasound] Pellant A, et al. **Cesk Otolaryngol** 25(1):18–21, Feb 76 (Eng. Abstr.) **(Cze)**

[Diagnosis of arterial circulatory disorders in the legs using ultrasonic blood pressure determination] Hylkema BS. **Ned Tijdschr Geneeskd** 120(17):733–42, 24 Apr 76 (Eng. Abstr.) **(Dut)**

[Significance of ultrasonic studies and fetoscopy for prenatal diagnosis of embryonic differentiation disorders] Wladimiroff JW, et al. **Ned Tijdschr Geneeskd** 119(52):2077–83, 27 Dec 75 (Eng. Abstr.) **(Dut)**

[Study of the cerebral circulatory resistance by the Döppler effect and rheography (author's transl)] Jacquy J, et al. **Acta Neurol Belg** 76(1):5–9, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Diagnosis of hematoma of the rectus muscle sheath by echotomography] Duval JM, et al. **Ann Chir** 29(6):595–9, Jun 75 (Eng. Abstr.) **(Fre)**

[The detection of post-operative venous thrombosis by ultrasonic velocimetry (author's transl)] Gautier-Benoit C, et al. **Ann Chir** 30(3):229–32, Mar 76 (Eng. Abstr.) **(Fre)**

[The value of tomoechography for the diagnosis of hydatids of the liver (author's transl)] Séror J. **Ann Chir** 29(9):795–6, Oct 75 (Eng. Abstr.) **(Fre)**

[Ultrasonics in medical exploration. Introduction: Ultrasonics and today's internal medicine] Cachin M, et al. **Ann Med Interne (Paris)** 126(11):751–2, Nov 75 **(Fre)**

[Ultrasonic echographic semiology of hepatomas] Charbonnier A, et al. **Ann Med Interne (Paris)** 126(11):761–6, Nov 75 **(Fre)**

[Place of ultrasonic B echotomography in the diagnosis of abdominal tumors] Charbonnier A, et al. **Ann Med Interne (Paris)** 126(11):777–84, Nov 75 **(Fre)**

[Place of ultrasonic echotomography in obstetrics and gynecology] Henrion R, et al. **Ann Med Interne (Paris)** 126(11):771–6, Nov 75 **(Fre)**

[Echography in heart valve diseases] Houeix JM, et al. **Ann Med Interne (Paris)** 126(11):753–60, Nov 75 (Eng. Abstr.) **(Fre)**

[Ultrasonic echotomography of the spleen] Laval-Jeantet M, et al. **Ann Med Interne (Paris)** 126(11):785–8, Nov 75 **(Fre)**

[Functional vascular exploration in the diagnosis of atheromatous arteritis of the legs. Interest of the sonographic method] Lemaire R, et al. **Ann Med Interne (Paris)** 126(11):795–800, Nov 75 **(Fre)**

[Current place of echography in ophthalmology] Poujol J. **Ann Med Interne (Paris)** 126(11):767–70, Nov 75 **(Fre)**

[Place of echotomographie in the diagnosis of kidney tumors] Steg A, et al. **Ann Med Interne (Paris)** 126(11):789–93, Nov 75 **(Fre)**

[Ultrasonic echography for exploration of parotid tumors] Kaneko T, et al. **Ann Otolaryngol Chir Cervicofac** 92(12):685–90, Dec 75 (Eng. Abstr.) **(Fre)**

[Contribution of echotomography in the diagnosis of retroperitoneal masses] Weill F, et al. **Ann Radiol (Paris)** 18(8):763–70, Dec 75 **(Fre)**

[Ultrasonic explorations in gynecology and obstetrics] Levi S. **Brux Med** 55(6):331–6, Jun 75 **(Fre)**

[Vertebro-basilar insufficiency and the Doppler effect] Ardouin M, et al. **Bull Mem Soc Fr Ophtalmol** (87):197–203, 1976 **(Fre)**

[Doppler effect: what information can it give the ophthalmologist?] Ardouin M, et al. **Bull Soc Ophtalmol Fr** 75(1):91–100, Jan 75 **(Fre)**

[Perspectives for contact B echotomography in ophthalmology] Poujol MJ. **Bull Soc Ophtalmol Fr** 75(2):185–91, Feb 75 (Eng. Abstr.) **(Fre)**

[Corrections of errors of interpretation of angiography by ultrasonic exploration (Doppler effect, B echography)] Descotes J, et al. **Chirurgie** 102(6):429–39, Jun 76 (Eng. Abstr.) **(Fre)**

[Doppler frequency measurement] pp. 123–45. Bournat JP. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[Vascular visualization] pp. 115–21. Bournat JP. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[General status of the subject. Velocity and flow rate. Nature of flow in large vessels] pp. 9–19. Hinglais J. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[Experimental applications of measuring velocity profiles] pp. 241–54. Hinglais J. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[Clinical applications of transcutaneous Doppler examinations] pp. 213–40. Pourcelot L. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[Propagation of ultrasound in living tissues; reflection; backscatter] pp. 21–9. Quentin G. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[Anencephaly: early ultrasonic diagnosis and interruption of pregnancy. Apropos of a case] Chef R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(1):93–104, Jan–Feb 74 (Eng. Abstr.) **(Fre)**

[Morphologic study by ultrasonoscopic method of the placenta in utero. Preliminary results. Chef R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):308–10, 1972 **(Fre)**

[Use of the Doppler signal in the determination of fetal cardiac rhythm] Egarnes G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):537–40, Jun 75 (Eng. Abstr.) **(Fre)**

[Ultrasonic diagnosis of breast diseases] Lévi S. **J Gynecol Obstet Biol Reprod (Paris)** 4 SUPPL 2:131–7, 1975 (Eng. Abstr.) **(Fre)**

[Ultrasound diagnosis: transmission of echograms at a distance] Levi S. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):561–6, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[Establishment of prognosis in threatened abortion. Value of the combined use of diagnostic ultrasound and quantitative determination of chorionic gonadotropin hormone] Levi S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(2):155–60, Mar 73 (Eng. Abstr.) **(Fre)**

[Estimation of fetal age: ultrasonics and other methods] Levi S. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):314–5, 1972 **(Fre)**

[Measurements by ultrasonics of the gestation sac in threatened abortion] Levi S. **J Gynecol Obstet Biol Reprod (Paris)** 5(3):359–65, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Value of echotomography in the diagnosis of early fetal vitality] Ruf H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(4):381–40, Jun 73 (Eng. Abstr.) **(Fre)**

[Indications, limitations and comparative value of hepatography, selective arteriography, scintigraphy and echotomography in diagnosis of benign tumors of the liver] Bollaert A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:31–2, 1975 **(Fre)**

[Echotomography of the upper abdomen. Technical and methodologic principles. Methodologic situation in relation to x-ray examination] Colagrande C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:595–7, 1975 **(Fre)**

[Echotomography of the abdomen in the radiotherapy of lymphatic, abdominal and retroperitoneal masses]A] Colagrande C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:593–5, 1975 **(Fre)**

[Echotomography of the upper abdomen. Indications and results in the study of the vesiculo-pancreatic region] Colagrande C, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:543–5, 1975 **(Fre)**

[Mammary echothermographic comparisons (author's transl)] Gros C, et al. **J Radiol Electrol Med Nucl** 56(6–7):481–6, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Echography of breast epitheliomas before and after treatment] Gros C, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:318–21, 1975 **(Fre)**

[Value of logarithmic amplification in echography (author's transl)] Gros CM, et al. **J Radiol Electrol Med Nucl** 56(6–7):487–90, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Results obtained in obstetrics by routine use of echotomography] Speca S, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:435–6, 1975 **(Fre)**

[Contribution of tomoechography to the diagnosis of jaundice: diagnosis of the dilatation of the main biliary duct and of intrahepatic biliary ducts. Apropos of 24 cases of main bile duct dilatation] Weill F, et al. **J Radiol Electrol Med Nucl** 56(8–9):598–601, Aug–Sep 75 **(Fre)**

[Ultrasonic diagnosis of pancreatic conditions: a new tentative at a rational approach based on the analysis of

300 cases which were checked (with real time and degraded intensity scale). (author's transl)] Weill F, et al. **J Radiol Electrol Med Nucl** 56(10):673–83, Oct 75 (Eng. Abstr.) **(Fre)**

[Hepatic echo–angiostructure: echo–anatomical study of the intraparenchymatous canal structures (author's transl)] Weill F, et al. **J Radiol Electrol Med Nucl** 57(4):311–9, Apr 76 (Eng. Abstr.) **(Fre)**

[Ultrasonic exploration of the head of the pancreas] Weill F, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:91–4, 1975 **(Fre)**

[Value of abdominal echotomography in children] Foulard M, et al. **Lille Med** 21(4):302–7, Apr 76 **(Fre)**

[Valve of the use of ultrasonics in obstetrics and gynecology] Potier A, et al. **Lille Med** 20(10):888–903, Dec 75 **(Fre)**

[Peroperative study of femoro–politeal vein bypasses using ultrasonic pulse velocimetry] Quandalle P, et al. **Lille Med** 21(5):409–13, May 76 **(Fre)**

[Echotomographic aspects of alveolar echinococcosis] Weill F, et al. **Med Chir Dig** 4(1):35–7, 1975 **(Fre)**

[Letter: Value of ultrasonic image in real time] Charbonnier A. **Nouv Presse Med** 4(28):2043, 30 Aug–6 Sep 75 **(Fre)**

[Classification of changes in circulatory rate in the arteries of the lower limbs. Transcutaneous measurement by Doppler effect] Descotes J, et al. **Nouv Presse Med** 4(29):2091–3, 13 Sep 75 (Eng. Abstr.) **(Fre)**

[Letter: Peroperative detection of kidney calculi using ultrasonics] Guiset J. **Nouv Presse Med** 4(41):2952, 29 Nov 75 **(Fre)**

[Letter: Role of real time ultrasonic images] Weil F. **Nouv Presse Med** 4(43):3069, 13 Dec 75 **(Fre)**

[Beginning atrophy of the eye bulb. An echographic–histologic comparative study (author's transl)] Freyler H. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):203–8, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[An equidensometric method for objective evaluation of ultrasonic b–scan pictures (author's transl)] Nover A, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 195(3):141–8, 6 Jun 75 (Eng. Abstr.) **(Ger)**

[Ulstrasonic monitoring for early diagnosis of air embolism during neurosurgical procedures (author's transl)] Star EG, et al. **Anaesthesist** 25(6):290–3, Jun 76 (Eng. Abstr.) **(Ger)**

[Behavior of endocrine parameters and ultrasonic data in severe Rh incompatibility] Bellmann O, et al. **Arch Gynaekol** 219(1–4):445–7, 18 Nov 75 **(Ger)**

[Serum estriol and HPL concentration as well as echographic maturity diagnosis as parameters of placental function] Künzig HJ, et al. **Arch Gynaekol** 219(1–4):443–5, 18 Nov 75 **(Ger)**

[Ultrasonic diagnosis in high–risk early pregnancy] Reinold E. **Arch Gynaekol** 219(1–4):401–3, 18 Nov 75 **(Ger)**

[Intrauterine weight determination of the fetus using ultrasonics] Schillinger H, et al. **Arch Gynaekol** 219(1–4):399–401, 18 Nov 75 **(Ger)**

[Ultrasonic diagnosis in suspicion of extrauterine pregnancy] Schlensker KH. **Arch Gynaekol** 219(1–4):552–4, 18 Nov 75 **(Ger)**

[Ultrasonic criteria for evaluation of pregnancy in the myomatous uterus] Stein W, et al. **Arch Gynaekol** 219(1–4):398–9, 18 Nov 75 **(Ger)**

[Effectiveness of ultrasonic diagnosis in abortion] Stein WW, et al. **Arch Gynaekol** 219(1–4):549–50, 18 Nov 75 **(Ger)**

[Echography of the paranasal sinuses (author's transl)] Mann W. **Arch Otorhinolaryngol (NY)** 211(2):145–7, 30 Nov 75 (Eng. Abstr.) **(Ger)**

[Echography of the vitreous body prior to and following cryoextraction of the lense] Schum U, et al. **Ber Dtsch Ophthalmol Ges** (73):661–2, 1975 **(Ger)**

[New methods for the information processing of echograms in ophthalmology] Trier HG, et al. **Ber Dtsch Ophthalmol Ges** (73):460–4, 1975 (Eng. Abstr.) **(Ger)**

[Diagnosis of internal carotid artery obstructions (author's transl)] Büdingen HJ, et al. **Dtsch Med Wochenschr** 101(8):269–75, 20 Feb 76 (Eng. Abstr.) **(Ger)**

[Angiography, scintigraphy and ultra sound in the diagnosis of splenic or hepatic disease in Hodgkin's disease (author's transl)] Czembirek H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(5):403–8, Nov 75 (Eng. Abstr.) **(Ger)**

[The value of sonography in the diagnosis of renal space–occupying lesions] Fiegler W, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):99–103, Feb 75 (Eng. Abstr.) **(Ger)**

[Ultrasound examination in obstructive biliary disease (author's transl)] Frommhold VH, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):26–30, Jul 76 (Eng. Abstr.) **(Ger)**

[The value and limitation of echotomography in the diagnosis of abdominal lymphomas in malignant diseases(author's transl)] Kratochwil A, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):410–7, May 75 (Eng. Abstr.) **(Ger)**

[The value and limitations of ultra sound in the follow–up of patients with urological tumors] Kratochwil A. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):95–9, Feb 75 (Eng. Abstr.) **(Ger)**

[Sonographic thyroid diagnosis] Petzoldt R, et al. **Fortschr Med** 93(34):1725–30, 4 Dec 75 (Eng. Abstr.) **(Ger)**

[The ultrasonic diagnosis of breast prosthesis implanted after operative treatment of tumors or augmentation plastic of the breast (author's transl)] Audretsch W. **Geburtshilfe Frauenheilkd** 35(11):853–8, Nov 75 (Eng. Abstr.) **(Ger)**

[The comparative value of ultrasound examinations and quantitative determinations of chorionic gonadotropin in the differential diagnosis of the disturbed early pregnancy (author's transl)] Lichtenegger W, et al. **Geburtshilfe Frauenheilkd** 35(6):467–74, Jun 75 (Eng. Abstr.) **(Ger)**

[Estimation of fetal weight by ultrasound (author's transl)] Schillinger H, et al. **Geburtshilfe Frauenheilkd** 35(11):858–65, Nov 75 (Eng. Abstr.) **(Ger)**

[Determination of the gestational age in late pregnancy by sonography (author's transl)] Schillinger H, et al. **Geburtshilfe Frauenheilkd** 36(6):500–6, Jun 76 (Eng. Abstr.) **(Ger)**

[The scope of ultra sound in the diagnosis of thyroid disease (author's transl)] Frank T, et al. **God Zb Med Fak Skopje** 124(5):458–65, May 76 (Eng. Abstr.) **(Ger)**

[Proceedings: The value of normal and abnormal masses of the biparietal diameter for the prediction of the birth weight] Baur B, et al. **Gynaekol Rundsch** 15 suppl 1:63–5, 1975 **(Ger)**

[Indication and technic of ultransonically–directed kidney cyst puncture] Bartels H. **Helv Chir Acta** 43(3):341–3, Jul 76 **(Ger)**

[Valve of intraoperative carotid doppler sonography with regards to the prognosis of the postoperative course] Meier WE, et al. **Helv Chir Acta** 43(1–2):107–10, Mar 76 **(Ger)**

[Recent developments in the ultrasonic diagnosis] Loch EG. **Hippokrates** 46(2):281–3, Jun 75 **(Ger)**

[Clinical use of ultrasonic distance measurements for close–to–wall foreign bodies in the eye (author's transl)] Buschmann W. **Klin Monatsbl Augenheilkd** 167(3):442–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Echographic studies in cases of excentric posterior scleral ectasias (author's transl)] Makabe R. **Klin Monatsbl Augenheilkd** 167(1):97–101, Jul 75 (Eng. Abstr.) **(Ger)**

[The use of A–scan echography in the clinical diagnoses of persistent hyperplastic primary vitreous (PHPV) (AUTHOR'S TRANSL)] Schroeder W. **Klin Monatsbl Augenheilkd** 168(02):210–6, Feb 76 (Eng. Abstr.) **(Ger)**

[Ultrasound in the differential diagnosis of Wilms tumors (author's transl)] Helmig FJ, et al. **Klin Paediatr** 187(3):278–80, May 75 (Eng. Abstr.) **(Ger)**

[Echography in sinus diseases (author's transl)] **Laryngol Rhinol Otol (Stuttg)** 54(11):865–70, Nov 75 (Eng. Abstr.) **(Ger)**

[Echography of the paranasal sinuses using A– and B–Scan] Mann W. **Laryngol Rhinol Otol (Stuttg)** 55(1):48–53, Jan 76 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of liver metastases (author's transl)] Lutz H, et al. **Leber Magen Darm** 5(5):223–7, Oct 75 (Eng. Abstr.) **(Ger)**

[The ultrasound–Doppler–method in the angiologic diagnosis. 2. Quantitative diagnosis of venous circulation disorders] Grüntzig A. **Med Klin** 70(50):2027–30, 12 Dec 75 (7 ref.) **(Ger)**

[The ultrasound–Doppler–method in the angiologic diagnosis. 1. Arterial circulation disorders] Grüntzig A. **Med Klin** 70(50):2019–26, 12 Dec 75 (32 ref.) **(Ger)**

[Directional Doppler–sonography in stenoses and occlusions of the internal carotid artery] Kriebel J, et al. **Med Welt** 26(49):2202–4, 5 Dec 75 **(Ger)**

[Ultrasonic diagnosis of the tumors in the lower abdomen] Petzoldt R, et al. **Med Welt** 27(7):300–2, 13 Feb 76 **(Ger)**

[Significance of ultrasonic–incision technics for the abdominal diagnosis in children] Weitzel D. **Monatsschr Kinderheilkd** 123(5):487–8, May 75 **(Ger)**

[Pancreaticography and its correlation with angiography and ultrasonography in diagnosis of the pancreas (author's transl)] Anacker H, et al. **Radiologe** 15(5):183–90, May 75 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis in diseases of kidneys (author's transl)] Benz UF, et al. **Radiologe** 16(8):320–7, Aug 76 (Eng. Abstr.) **(Ger)**

[Examination of the breast with ultrasound: limits and possibilities (authro's transl)] Göblyös P, et al. **Radiologe** 16(8):350–2, Aug 76 (Eng. Abstr.) **(Ger)**

[Importance of sonotomography in radiation therapy (author's transl)] Heckemann R, et al. **Radiologe** 16(8):342–9, Aug 76 (Eng. Abstr.) **(Ger)**

[Ultrasonography in pancreatic disease (author's transl)] Neumann I, et al. **Radiologe** 15(5):191–7, May 75 (Eng. Abstr.) **(Ger)**

[Combined echographic and echoscopic examination of the upper abdomen (author's transl)] Schulze K, et al. **Radiologe** 16(8):313–9, Aug 76 (Eng. Abstr.) **(Ger)**

[Gray–scale ultrasongraphy of the liver and gallbladder (author's transl)] Triller J. **Radiologe** 16(8):328–36, Aug 76 (Eng. Abstr.) **(Ger)**

[Examination of the organs in the upper abdomen with ultra sound (author's transl)] Frommhold H. **Roentgenblaetter** 28(9):419–26, Sep 75 **(Ger)**

[Examination of the organs in the upper abdomen with ultra sound (author's transl)] Frommhold H, et al. **Roentgenblaetter** 28(9):427–36, Sep 75 **(Ger)**

[Possibilities in the use of ultrasonic diagnosis. V. Ultrasonic diagnosis of the abdominal organs] Rettenmaier G. **Roentgenpraxis** 28(2):25–36 contd, Feb 75 **(Ger)**

[Radiological, sonographic and thermographic methods for localization of placenta] von Fournier D, et al. **Roentgenpraxis** 28(12):290–7, Dec 75 **(Ger)**

[Possibilities and limits of pregnancy diagnosis in domestic animals using the ultrasonic Doppler technic] Weiss G. **Schweiz Arch Tierheilkd** 117(3):123–34, Mar 75 (Eng. Abstr.) **(Ger)**

[The utilization of ultrasonics in stomatology] Kleber M. **Stomatol DDR** 25(11):769–75, Nov 75 **(Ger)**

[Combined scintigraphy and sonography for the diagnostic evaluation of parenchymatous organs] Wimmer B, et al. **Strahlentherapie [Sonderb]** 74:428–33, 1975 (Eng. Abstr.) **(Ger)**

[Ultrasound transit–time method for evaluation of regional myocardial function (author's transl)] Hagl S, et al. **Thoraxchirurgie** 23(3):291–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Ultrasonic Doppler technic. Its use in gynecological and obstetrical diagnosis in swine as well as a suggestion for suitable office use] Wilkens W. **Tieraerztl Prax** 2(4):395–8, 1974 **(Ger)**

[Indications for ultrasonic examination of the gallbladder] van Kaick G, et al. **Verh Dtsch Ges Inn Med** 81:1261–2, 1975 **(Ger)**

[Ultrasound B–scan in Splenomegaly] Rosenmayr F. **Wien Klin Wochenschr** 87(18):606–8, 3 Oct 75 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis in obstetrics] Winkler K. **Z Allgemeinmed** 51(23):1014, 20 Aug 75 **(Ger)**

[Ultrasonic determination of subcutaneous adipose tissue and body fat] Bugyi B. **Z Ernaehrungswiss** 15(1):59–63, Mar 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Effectiveness of sonography in the diagnosis of tumorous diseases of the pancreas] Otto P. **Z Gastroenterol** 14(2):249, Mar 76 **(Ger)**

[Perception of ultrasound in totally and partially deaf subjects (author's transl)] Dieroff HG. **Z Laryngol Rhinol Otol** 53(1):53–8, Jan 74 (Eng. Abstr.) **(Ger)**

[Ultrasonic quenching measurement––possibility for monitoring the healing of bone fractures] Pázolt HJ, et al. **Zentralbl Chir** 100(23):1444–9, 1975 **(Ger)**

[The current importance of ultrasonics in the diagnostic progressive program in prenatal care] Bayer H, et al. **Zentralbl Gynaekol** 97(16):961–5, 1975 (Eng. Abstr.) **(Ger)**

[Ultrasonic studies in gonadal dysgenesis] Bösze P, et al. **Zentralbl Gynaekol** 97(11):679–82, 1975 (Eng. Abstr.) **(Ger)**

[Malignant tumor (sarcoma) on a fetal neck, diagnosed during pregnancy by means of ultrasonics] Bulić M, et al. **Zentralbl Gynaekol** 97(12):747–53, 1975 (Eng. Abstr.) **(Ger)**

[Experience with cephalometry in the determination of labor in diabetic pregnant women] Szalay VJ, et al. **Zentralbl Gynaekol** 97(14):871–4, 1975 (Eng. Abstr.) **(Ger)**

[Ultrasonography in obstetrics and gynecology] Ballas S, et al. **Harefuah** 89(8):366–72, 15 Oct 75 **(Heb)**

[Ultrasonographic diagnosis in large–for–date pregnancies] Ballas S, et al. **Harefuah** 90(1):6–9, 1 Jan 76 (Eng. Abstr.) **(Heb)**

[Ultrasonic placentography] Ballas S, et al. **Harefuah** 90(6):260–2, 15 Mar 76 (Eng. Abstr.) **(Heb)**

[The determination of fetal age and growth rate by ultrasonography] Mashiach S, et al. **Harefuah** 88(11):499–502, 1 Jun 75 (Eng. Abstr.) **(Heb)**

[Ultrasonic localization of the placenta] Maxhiach S, et al. **Harefuah** 90(6):256–60, 15 Mar 76 (Eng. Abstr.) **(Heb)**

[Ultrasonic detection of abdominal aortic aneurysms] Peyser MR, et al. **Harefuah** 90(5):207–11, 1 Mar 76 (Eng. Abstr.) **(Heb)**

[Comparative sonographic studies biochemical analysis of amniotic fluid] Jakabovits A. **Orv Hetil** 116(41):2415–7, 12 Oct 75 **(Hun)**

[Uterine involution in normal and pathological puerperium, studied by ultrasound] Szöke B, et al. **Orv Hetil** 117(14):833–5, 4 Apr 76 **(Hun)**

[The role of ultrasonics in the detection of developmental disorders of the uterus] Szöke B, et al. **Orv Hetil** 117(13):772–4, 28 Mar 76 **(Hun)**

[Ultrasonic diagnosis in the first half of pregnancy (growth of uterus, ovary and fetal skull)] Szöke B, et al. **Orv Hetil** 117(19):1152–4, 1976 **(Hun)**

[Importance and limitations of directional Doppler ultrasonography (DDS) in neuroangiological diagnosis] Bono G, et al. **Boll Soc Ital Biol Sper** 51(15–16):929–33, 30 Aug 75 **(Ita)**

[Directional Doppler ultrasonography (DDS): theoretical bases and clinical methods] Nappi G, et al. **Boll Soc Ital Biol Sper** 51(15–16):922–8, 30 Aug 75 **(Ita)**

[Use the modified of Doppler's method (ultrasonic echometer) in the study of vascular diseases] Garbini GC, et al. **Boll Soc Ital Cardiol** 19(3):253–63, 1974 (Eng. Abstr.) **(Ita)**

[Ultrasonic cardiography with the Doppler method in mitral stenosis] Orlando E, et al. **Cardiol Pract** 25(4):381–5, Oct–Dec 74 (Eng. Abstr.) **(Ita)**

[Ultrasonic angiocardiography and ultrasonic cineangiography: comparison between two techniques (author's transl)] Giampaolo A, et al. **G Ital Cardiol** 5(6):850–6, 1975 (Eng. Abstr.) **(Ita)**

[Ultrasonographic evaluation of vessel caliber in dilatations of the pulmonary artery. Considerations on a case of pulmonary hyper–flow caused by congenital cardiopathy with long survival] Finardi G, et al.

Minerva Cardioangiol 24(2):111–4, Feb 76 (Eng. Abstr.) **(Ita)**

[Use of echography as a diagnostic aid in pediatric abdominal pathology] Possenti B, et al. **Minerva Chir** 31(5):199–209, 15 Mar 76 (Eng. Abstr.) **(Ita)**

[Functional study of peripheral obstructive arteriopathies using an ultrasound flow detector] Vincenti R, et al. **Minerva Chir** 30(4):179–85, 28 Feb 75 (Eng. Abstr.) **(Ita)**

[Sonar in the diagnosis of threatened abortion] Ceccarello PL, et al. **Minerva Ginecol** 27(12):983–7, Dec 75 (Eng. Abstr.) **(Ita)**

[Sonagraphic assessment of biparietal diameter and fetal weight in a sample of the population from the region of Friuli–Venezia Giulia] Destro F, et al. **Minerva Ginecol** 27(12):988–91, Dec 75 (Eng. Abstr.) **(Ita)**

[Fetal bradycardioarrhythmias and computerized biochemical ultrasound monitoring] Grassi G, et al. **Minerva Ginecol** 28(1):31–8, Jan 76 (Eng. Abstr.) **(Ita)**

[Intrapartum unitary parameters preselected by computer using the ultrasonic Alert–biophysical systems] Grassi G. **Minerva Ginecol** 27(12):977–82, Dec 75 (Eng. Abstr.) **(Ita)**

[Fetal biparietal diameter percentiles. Ultrasonic findings during normal pregnancy] Todros T, et al. **Minerva Ginecol** 28(2):139–41, Feb 76 (Eng. Abstr.) **(Ita)**

[Ultrasonics in diagnosis of the upper abdomen] Destro F, et al. **Minerva Med** 67(1):30–43, 7 Jan 76 **(Ita)**

[Indications and limitations of ultrasonic investigation in abdominal pathology] Durante E. **Minerva Med** 67(30):1931–4, 16 Jun 76 (Eng. Abstr.) **(Ita)**

[Pancreatic echotomography : use, value and limits in the diagnosis of chronic pancreatitis] Fontana G, et al. **Recent Prog Med (Roma)** 59(2):123–37, Aug 75 (Eng. Abstr.) **(Ita)**

[A new type of ophthalmic ultrasound apparatus (author's transl)] Kawanabe K, et al. **Acta Soc Ophthalmol Jpn** 79(6):583–9, 10 Jun 75 (Eng. Abstr.) **(Jpn)**

[Combined method of echogram and ERG for diagnosis of the ocular disease (author's transl)] Oguchi Y. **Acta Soc Ophthalmol Jpn** 79(10):1432–41, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[The studies on the ultrasonic diagnosis in ophthalmology. Report 10. Pediatric ophthalmic ultrasonography (author's transl)] Tane S, et al. **Acta Soc Ophthalmol Jpn** 79(10):1425–31, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Studies on the measurement of axial length of the eye by a new ultrasound system. Report II: Comparison with photographic technique (author's transl)] Tokoro T, et al. **Acta Soc Ophthalmol Jpn** 80(3):147–50, Mar 76 **(Jpn)**

[Ultrasonic doppler examination of blood flow in glaucoma (author's transl)] Yamamoto Y, et al. **Acta Soc Ophthalmol Jpn** 79(9):1147–53, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Study of peripheral circulation using ultrasonic Doppler method, with special reference to the position of upper and lower extremities and blood flow changes] Kuzutani F, et al. **Jpn Circ J** 39(7):884, Jul 75 **(Jpn)**

[Proceedings: Study of peripheral circulation by ultrasonic Doppler method. (23). Blood flow velocity of hypertensive patients] Takahashi H, et al. **Jpn Circ J** 39(7):867, Jul 75 **(Jpn)**

[Proceedings: Analysis of cardiac cycle by ultrasonic Doppler method—comparison with apexcardiography and carotid pulse tracing] Tsuda S, et al. **Jpn Circ J** 39(7):867, Jul 75 **(Jpn)**

[Echographic features of malignant lymphoma. Clinical application of ultrasonic echography for the evaluation of abdominal tumor regression during chemotherapy (author's transl)] Kobayashi T, et al. **Jpn J Clin Hematol** 16(3):313–24, Mar 75 (Eng. Abstr.) **(Jpn)**

[Biomedical application of ultrasonic holography] Atsumi K, et al. **Jpn J Med Electron** 13(4):191–200, 30 Aug 75 (Eng. Abstr.) **(Jpn)**

[Evaluation of renal blood flow with ultrasonic Doppler technique. —percutaneous translumbar approach on flank position Arima M, et al. **Jpn J Urol** 67(4):231–6, Apr 76 (Eng. Abstr.) **(Jpn)**

[The investigation of voiding mechanism in children. 1st report: Study with urinary flow-rate and velocity by ultrasonic doppler flowmeter (author's transl)] Fukui J. **Jpn J Urol** 67(6):417–38, Jun 76 (Eng. Abstr.) **(Jpn)**

[Clinical studies on the prostatic volume and shape by means of transrectal ultrasonotomography (author's transl)] Igari D. **Jpn J Urol** 67(1):28–39, Jan 76 (Eng. Abstr.) **(Jpn)**

[A method for recording intraluminal urine flow (application of ultrasonic doppler technique) (author's transl)] Tsuchida S, et al. **Jpn J Urol** 66(11):781–4, Nov 75 (Eng. Abstr.) **(Jpn)**

[Application of ultrasonic shift doppler technique to study the dynamics of lower urinary tract (author's transl)] Tsuchida S, et al. **Jpn J Urol** 67(5):326–32, May 76 (Eng. Abstr.) **(Jpn)**

[Measurement of the fetal biparietal diameter with ultrasonics] Bergsjo P, et al. **Tidsskr Nor Laegeforen** 95(30):1714–8, 30 Oct 75 (Eng. Abstr.) **(Nor)**

[Editorial: Ultrasonics as diagnostic aid in obstetrics] Bergsjo P. **Tidsskr Nor Laegeforen** 95(30):1747–8, 30 Oct 75 **(Nor)**

[Testicular torsion. A difficult diagnosis?] Teigan T, et al. **Tidsskr Nor Laegeforen** 95(33):1916–8, 30 Nov 75 (Eng. Abstr.) **(Nor)**

[Use of ultrasonography in acute myocardial infarct] Ilmurzyńska K, et al. **Kardiol Pol** 19(2):115–21, 1976 (Eng. Abstr.) **(Pol)**

[Biomorphosis of aortic valve in ultrasonographic appearance] Klepacki Z, et al. **Kardiol Pol** 19(2):123–7, 1976 (Eng. Abstr.) **(Pol)**

[Ultrasonographic studies and fields of binocular movements in the diagnosis of orbital tumors] Dyszyńska–Rościszewska B, et al. **Klin Oczna** 46(7):791–3, Jul 76 (Eng. Abstr.) **(Pol)**

[Ultrasonographic ocular biometry in children with emmetropia and refraction errors] Szreterowa M. **Klin Oczna** 46(7):835–44, Jul 76 (Eng. Abstr.) **(Pol)**

[Ultrasound studies in urologic diagnosis] Cieślińska K, et al. **Pol Przegl Chir** 48(6A):759–64, Jun 76 (Eng. Abstr.) **(Pol)**

[Ultrasonics in the diagnosis of cholelithiasis] Kulig J, et al. **Pol Przegl Chir** 48(5):581–6, 1976 (Eng. Abstr.) **(Pol)**

[Value of Doppler ultrasound flow detector UDP–574 in the diagnosis of arterial occlusion and evaluation of results following surgery on blood vessels] Wesolowski J. **Pol Przegl Chir** 48(5):611–4, 1976 (Eng. Abstr.) **(Pol)**

[Clinical use of ultrasonic UDP–574 apparatus of Polish production for measurements of pulse wave velocity] Wesolowski J, et al. **Wiad Lek** 28(18):1537–9, 15 Sep 75 **(Pol)**

[Diagnosis of retinal detachment by echography] Fodor F, et al. **Rev Chir [Oftalmol]** 19(3):191–4, Jul–Sep 75 **(Rum)**

[Ultrasonic placentography] Fuks MA. **Akush Ginekol (Mosk)** (7):55–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Blood acoustic parameters during the development of experimental neoplasms] Braginskaia FI, et al. **Dokl Akad Nauk SSSR** 228(4):966–9, 1976 **(Rus)**

[Possibilities of measuring the dynamics of the stroke volume according to the data of ultrasonic Doppler–cardiography] Bednenko VS, et al. **Kardiologiia** 15(6):85–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Results and perspectives of the use of echocardiography and ultrasonic scanning of the heart] Mukharliamov NM, et al. **Kardiologiia** 15(6):15–25, Jun 75 (Eng. Abstr.) **(Rus)**

[Expediency of association of radioisotope and ultrasonic diagnosis] Muratkhodzhaev NK, et al. **Med Radiol (Mosk)** 20(11):39–44, Nov 75 (Eng. Abstr.) **(Rus)**

[Experience in utilizing ultrasonic compound scanning in obstetrics] Ivanov IP, et al. **Med Tekh** (5):53–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Method of stabilization of acoustic contact during ultrasonic diagnosis in ophthalmology] Kulikov IA, et al. **Med Tekh** (6):38–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of inflammatory processes and of soft tissue tumors of the maxillofacial region] Mirzamakhmudov M. **Stomatologiia (Mosk)** 54(3):32–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Use of ultrasound-treated Treponema antigen for complement fixation test as a sorbent in the immunofluorescence reaction with absorption in syphilis] Bednova VN, et al. **Vestn Dermatol Venerol** (10):53–6, Oct 75 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of certain injuries of the limbs] Kuryshev AN. **Vestn Khir** 116(3):75–7, Mar 76 **(Rus)**

[Use of ultrasonic holography in ophthalmology] Liberman MIu. **Vestn Oftalmol** (4):77–8, Jul–Aug 75 **(Rus)**

[Complex use of ultrasonic biolocation and thermography in the diagnosis of maxillary sinus diseases] Livshina TsM, et al. **Vestn Otorinolaringol** (2):78–83, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Study of the potentials for ultrasonic location of gas bubbles for the control of decompression in divers] Sapov IA, et al. **Voen Med Zh** (6):65–7, Jun 76 **(Rus)**

[Echographic study of the zones of regional metastases of cancer of the thyroid gland] Mukhtarov AA, et al. **Vrach Delo** (4):16–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Ultrasonic test in evaluation of the function of the Eustachian tube] Aitbaeva. **Zdravookhr Kirg** (4):35–7, Jul–Aug 75 **(Rus)**

[Testing of the resistance of peripheral blood vessels by ultrasound] Popović M, et al. **Acta Chir Iugosl** 23(2):161–6, 1976 (Eng. Abstr.) **(Ser)**

[Evaluation of the intrauterine state of the fetus by ultrasonics] Kalamaras E. **God Zb Med Fak Skopje** 21:169–78, 1975 **(Ser)**

[Ultrasonics in the estimation of the foetal size for birth prognosis (author's transl)] Philadelphy I, et al. **Cesk Gynekol** 41(4):264–5, Jun 76 **(Slo)**

[Ultrasonics. Basic principles and its clinical application in materno–fetal monitoring] Shor Pinsker V, et al. **Ginecol Obstet Mex** 38(230):453–71, Dec 75 **(Spa)**

[Prognostic and diagnostic value of bidimensional echography in threatened abortion] Rodríguez N. **Rev Chil Obstet Ginecol** 38(5):228–39, 1973 **(Spa)**

INSTRUMENTATION

Evaluation of the accuracy of a new ultrasonic fetal heart rate monitor. Lauersen NH, et al. **Am J Obstet Gynecol** 125(8):1125–35, 15 Aug 76

Safety of brachial arterial catheters as monitors in the intensive care unit—prospective evaluation with the Doppler ultrasonic velocity detector. Barnes RW, et al. **Anesthesiology** 44(3):260–4, Mar 76

Isometric, three–dimensional viewing of ultrasonograms. Coleman DJ, et al. **Arch Ophthalmol** 93(12):1362–5, Dec 75

Proceedings: Aortic velography in man. Tomlin PJ, et al. **Br J Anaesth** 47(8):908, Aug 75

Ultrasonic echo imaging of tissues: instrumentation. Hill CR, et al. **Br J Radiol** 49(579):238–43, Mar 76

Volume estimation of the seminal vesicles by means of transrectal ultrasonotomography: a preliminary report. Tanahashi Y, et al. **Br J Urol** 47(6):695–702, Dec 75

Functional evaluation of mitral valve prosthesis by Doppler blood velocimetry. Benchimol A, et al. **Chest** 69(1):99–100, Jan 76

An ultrasonic blade for vitreous surgery. pp. 665–7. Coleman DJ, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Acoustic imaging with an electronically focused and scanned array. pp. 75–80. Alais P, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

An ultrasonic spectroscopy device: application to tissue differentiation. pp. 108–14. Baboux C, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Application of the phase detection principle in a transcutaneous velocity profile meter. pp. 144–52. Brandestini M.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

A real–time B–scanner with improved lateral resolution. pp. 81–9. Burckhardt CB, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Multichannel, direction–resolving Doppler angiography. pp. 153–9. Fish PJ.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

New criteria for the assessment of the resolution of ultrasonic scanners. pp. 197–203. Gore JC, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

A novel pulsed directional Doppler velocimeter: the phase detection profilometer. pp. 137–43. Grandchamp PA.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Octoson: a new rapid multi–transducer general purpose water–coupling echoscope. pp. 90–5. Kossoff G, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

A fast ultrasonic imaging system: USABEL. pp. 54–8. Pourcelot L, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Intensity modulation in B–scan systems: correction of non–constant scanning speed and a device for suppression of reduplication artifacts. pp. 115–20. Thijssen JM, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Frequency–modulated portions of the time–amplitude ultrasonogram of models. pp. 121–8. Trier HG, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

A multiple transducer system for heart, abdominal and obstetric scanning. pp. 59–66. Whittingham TA.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Ultrasonic blood flow measurements: transcutaneous compared with implanted cuff. Greene ER, et al. **ISA Trans** 15(1):88–94, 1976

A venous pulse Doppler catheter–tip flowmeter for measuring arterial blood velocity, flow, and diameter in deep arteries. Nealeigh RC, et al. **ISA Trans** 15(1):84–7, 1976

Rapid evaluation of many pulse echo system characteristics by use of a triggered pulse burst generator with exponential decay. Carson PL. **J Clin Ultrasound** 4(4):259–63, Aug 76

A technique for reproducing ultrasonograms by transparencies. Clements JL Jr, et al. **J Clin Ultrasound** 4(1):47, Feb 76

Modification of the examining table to improve scanning. Rashbaum C, et al. **J Clin Ultrasound** 4(3):221, Jun 76

A technique for generating three–dimensional images from ultrasonography. Smith RP. **J Clin Ultrasound** 4(1):49–51, Feb 76

Simple device for the calibration of ultrasonic calipers. Swingler DH, et al. **J Clin Ultrasound** 2(4):313–5, Dec 74

A simple ultrasound guide for needle puncture. Yeh HC, et al. **J Clin Ultrasound** 4(1):53–4, Feb 76

A high–frequency ultrasonic nebulizer system for radioaerosol delivery. Wasnich RD. **J Nucl Med** 17(8):707–10, Aug 76

A coaxial ultrasonic pneumotachometer. Blumenfeld W, et al. **Med Biol Eng** 13(6):855–60, Nov 75

An ultrasonic system for measuring activity. Haines J. **Med Biol Eng** 12(3):378–81, May 74

A simple water bath to expand the horizons of the ultrasonic contact scanner. Lyons EA. **Med Biol Eng** 12(6):864–6, Nov 74

Frequency modulated ultrasonic Doppler flowmeter. McCarty K, et al. **Med Biol Eng** 13(1):59–64, Jan 75

An ultrasound aspiration transducer for diagnostic amniocenteses. Weiner S. **Obstet Gynecol** 47(1):113–4, Jan 76

Doppler ultrasound detection of displaced neurovascular bundles in Dupuytren's contracture. Elsahy NI. **Plast Reconstr Surg** 57(1):104–5, Jan 76

An inexpensive photographic strip-chart recorder for use with a commercially available ultrasonic scanner. Doust BD, et al. **Radiology** 118(2):470–1, Feb 76

Visualization of the bile ducts using focused ultrasound. Reid MH. **Radiology** 118(1):155–8, Jan 76

Initial clinical evaluation of a new ultrasonic camera. Zatz LM. **Radiology** 117(2):399–404, Nov 75 Baum G, et al. **Science** 189(4207):994–5, 19 Sep 75

Ultrasonic instruments. Baker DW. **Semin Roentgenol** 10(4):265–70, Oct 75

An evaluation of the function of new special equipment for transrectal ultrasonotomography. Watanabe H, et al. **Tohoku J Exp Med** 118(4):387–92, Apr 76

Phase-locked loop techniques applied to ultrasonic Doppler signal processing. Sainz A, et al. **Ultrasonics** 14(3):128–32, May 76

A comparison of heat production and cavitational intensity in several ultrasonic cell disruptors. Skauen D. **Ultrasonics** 14(4):173–6, Jul 76

A hand-held electronically switched array for rapid ultrasonic scanning. Whittingham TA. **Ultrasonics** 14(1):29–33, Jan 76

A new mechanical real time ultrasonic contact scanner. Holm HH, et al. **Ultrasound Med Biol** 2(1):19–23, Oct 75

Accuracy and limitations of the ultrasonic Doppler blood velocimeter and zero crossing detector. Lunt MJ. **Ultrasound Med Biol** 2(1):1–10, Oct 75

Development of the ultrasonic flowmeter. Woodcock JP. **Ultrasound Med Biol** 2(1):11–8, Oct 75

[Apparatus used] pp. 89–114. Peronneau P. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[Probes] pp. 69–88. Peronneau P. **In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974.** (Eng. Abstr.) **(Fre)**

[A new expression of the ultrasonic image: half-tones] Charbonnier A, et al. **Nouv Presse Med** 4(41):2931–2, 29 Nov 75 **(Fre)**

[Diagnosis of venous thrombosis using the ultrasound-Doppler-flow-detector] Vogel G, et al. **Folia Haematol (Leipz)** 102(2):163–6, 1975 **(Ger)**

[Ultrasonic cleaning of dental instruments] Ehmer D. **Stomatol DDR** 25(8):551–3, Aug 75 (Eng. Abstr.) **(Ger)**

[Comparison of various ultrasonic devices for the removal of dental calculus] Spranger H. **ZWR** 85(3):113–5, 10 Feb 76 **(Ger)**

[Studies on the measurement of axial length of the eye by a new ultrasound system. Report I: On the accuracy of measurement (author's transl)] Tokoro T, et al. **Acta Soc Ophthalmol Jpn** 80(2):102–7, 1976 (Eng. Abstr.) **(Jpn)**

[Evaluation of the zero-crossing counter used with ultrasonic doppler flowmeter] Mita K, et al. **Jpn J Med Electron** 13(4):223–31, 30 Aug 75 (Eng. Abstr.) **(Jpn)**

[Localization of the placenta by means of the Doppler technic using 2 ultrasound probes] Bardowski W, et al. **Ginekol Pol** 46(10):1067–73, Oct 75 (Eng. Abstr.) **(Pol)**

[Multichannel fetal heart tone monitoring with the aid of WMTSP-2] Przygocki T, et al. **Ginekol Pol** 47(2):203–8, Feb 76 **(Pol)**

[Usefulness of ultrasound flowmeter in the localization of arteriovenous fistulas] Wesolowski J, et al. **Pol Przegl Chir** 48(6):709–12, Jun 76 (Eng. Abstr.) **(Pol)**

METHODS

The ultrasonic determination of renal transplant volume. Bartrum RJ Jr, et al. **J Clin Ultrasound** 2(4):281–5, Dec 74

Ultrasound localization of the kidneys for closed renal biopsy. Maxwell DR, et al. **J Clin Ultrasound** 2(4):279–80, Dec 74

STANDARDS

[Results of A-scan ultrasonic scanning of the orbit (author's transl)] Schwab B, et al. **Klin Monatsbl Augenheilkd** 166(6):758–66, Jun 75 (Eng. Abstr.) **(Ger)**

ULTRAVIOLET RAYS

Development of high intensity narrow-band lamps and studies of the irradiation effect on human skin. Irradiation with high intensity lamps. Alsins J, et al. **Acta Derm Venereol (Stockh)** 55(4):261–71, 1975

Immunological phenomena induced by UV rays. Jarząbek-Chorzelska M, et al. **Acta Derm Venereol (Stockh)** 56(1):15–8, 1976

Thymidine labelling of epidermal melanocytes in UV-irradiated skin. Rosdahl IK, et al. **Acta Derm Venereol (Stockh)** 56(2):159–61, 1976

Chronic polymorphic light eruption. Particular wavebands and the effect of carotene therapy. Thune P. **Acta Derm Venereol (Stockh)** 56(2):127–33, 1976

Effect of ultraviolet radiation on pinocytosis in Amoeba proteua. Josefsson JO, et al. **Acta Physiol Scand** 96(4):456–70, Apr 76

Action of U.V. rays on the the experimental cutaneous inflammation induced by cantharidin. Galletti R, et al. **Adv Exp Med Biol** 70(00):319–21, 1976

A portable spectroradiometer for use at visible and ultraviolet wavelengths. Piltingsrud HV, et al. **Am Ind Hyg Assoc J** 37(2):90–4, Feb 76

The evolutionary significance of vitamin D, skin pigment, and ultraviolet light. Neer RM. **Am J Phys Anthropol** 43(3):409–16, Nov 75

Ultraviolet susceptibility of BCG and virulent tubercle bacilli. Riley RL, et al. **Am Rev Respir Dis** 113(4):413–8, Apr 76

Differentiation of pathogenic species of Candida by their recovery characteristics following ultraviolet irradiation. Sarachek A, et al. **Antonie van Leeuwenhoek** 42(1–2):165–80, 1976

Lysogeny-typing of Staphylococcus aureus. Comparison of spontaneous lysogeny, UV ray-induced lysogeny and chemically induced lysogeny. Manthey J, et al. **Arch Immunol Ther Exp (Warsz)** 23(5):631–8, 1975

A study of the effects of near UV radiation on the pigmentation of the blue-green alga Gloeocapsa alpicola. Buckley CE, et al. **Arch Microbiol** 107(1):93–7, Feb 76

A consideration of Euglena gracilis W3BUL as a cytoplasmic control for the wild-type phenylalanyl-tRNA synthetase system. Lesiewicz JL, et al. **Arch Microbiol** 105(2):95–9, 27 Oct 75

An early suggestion of DNA Repair. Effect os sublethal doses of monochromatic ultraviolet radiation on bacteria in liquid suspensions. By Alexander Hollaender and John T. Curtis. Proc Soc Exp Biol Med, 33,61–62(1935). **Basic Life Sci** 5A:xi–xii, 1975

Studies on DNA repair in mammalian cells: an endonuclease which recognizes lesions in DNA. Bacchetti S. **Basic Life Sci** 5B:651–4, 1975

IexB: a new gene governing radiation sensitivity and lysogenic induction in Escherichia coli K12. Blanco M, et al. **Basic Life Sci** 5A:379–82, 1975

Requirement for uvrAB function for postirradiation DNA synthesis in vitro. Bowersock D, et al. **Basic Life Sci** 5A:255–7, 1975

The Escherichia coli UV endonuclease (correndonuclease II). Braun A, et al. **Basic Life Sci** 5A:183–90, 1975

Experiments on the filling of daughter-strand gaps during postreplication repair. Bridges BA, et al. **Basic Life Sci** 5A:321–4, 1975

Formation of dimers in ultraviolet-irradiated DNA. Brunk C. **Basic Life Sci** 5A:61–5, 1975

Synthesis by UV-irradiated human cells of normal-sized DNA at long times after irradiation. Buhl SN, et al. **Basic Life Sci** 5B:625–6, 1975

Absence of a pyrimidine dimer repair mechanism for mitochondrial DNA in mouse and human cells. Clayton DA, et al. **Basic Life Sci** 5B:589–91, 1975

The use of human adenovirus 2 in the study of the xeroderma DNA-repair defect. Day R 3d. **Basic Life Sci** 5B:747–52, 1975

Recovery of phage lambda from ultraviolet damage. Devoret R, et al. **Basic Life Sci** 5A:155–71, 1975 (65 ref.)

The two-lesion hypothesis for UV-induced mutation in relation to recovery of capacity for DNA replication. Doudney CO. **Basic Life Sci** 5A:389–92, 1975

Thymine dimer excision by extracts of human cells. Duncan J, et al. **Basic Life Sci** 5B:643–9, 1975

Inhibition of DNA synthesis by ultraviolet light. Edenberg HJ. **Basic Life Sci** 5B:631–3, 1975

Enzymes of Neurospora crassa which attack UV-irradiated DNA. Fraser MJ. **Basic Life Sci** 5B:577–9, 1975

Distribution of pyrimidine dimers during postreplication repair in UV-irradiated excision-deficient cells of Escherichia coli K12. Ganesan A. **Basic Life Sci** 5A:317–20, 1975

Photorepair of RNA. Gordon MP. **Basic Life Sci** 5A:115–21, 1975

Enzymatic repair of UV-irradiated DNA in vitro. Hamilton LD, et al. **Basic Life Sci** 5A:235–43, 1975

DNA repair and life span of mammals. Hart RW, et al. **Basic Life Sci** 5B:801–4, 1975

Direct evidence that pyrimidine dimers in DNA result in neoplastic transformation. Hart RW, et al. **Basic Life Sci** 5B:719–24, 1975

Concerning pyrimidine dimers as 'blocks' to DNA replication in bacteria and mammalian cells. Hewitt RR, et al. **Basic Life Sci** 5B:635–8, 1975

Involvement of Escherichia coli DNA polymerase-I-associated 5' in equilibrium 3' exonuclease in excision-repair of UV-damaged DNA. Heyneker HL, et al. **Basic Life Sci** 5A:219–23, 1975

Genetic exchanges induced by structural damage in nonreplicating phage lambda DNA. Howard-Flanders P, et al. **Basic Life Sci** 5A:275–81, 1975

Postreplication repair gap filling in an Escherichia coli strain deficient in dnaB gene product. Johnson RC. **Basic Life Sci** 5A:325–9, 1975

DNA repair and UV resistance in human melanoma. Lavin M, et al. **Basic Life Sci** 5B:817–9, 1975

Influence of repair on the specificity of ultraviolet-induced reversion of an ochre alleles of the structural gene for iso-1-cytochrome c. Lawrence CW, et al. **Basic Life Sci** 5A:397–8, 1975

Postreplication repair of DNA in UV-irradiated mammalian cells. Lehmann AR. **Basic Life Sci** 5B:617–23, 1975

Ultraviolet-light-induced incorporation of bromodeoxyuridine into parental DNA of an excision-defective mutant of Escherichia coli. Ley RD. **Basic Life Sci** 5A:313–6, 1975

A repressible DNA-repair system in mouse neuroblastoma cells. McCombe P, et al. **Basic Life Sci** 5B:813–5, 1975

Cytotoxic and mutagenic effects of carcinogenic aromatic amides and polycyclic hydrocarbons and ultraviolet irradiation in normally repairing and repair-deficient (xeroderma pigmentosum) diploid human skin fibroblasts. Maher VM, et al. **Basic Life Sci** 5B:785–7, 1975

Postreplication repair in human cells: on the presence of gaps opposite dimers and recombination. Meneghini R, et al. **Basic Life Sci** 5B:639–42, 1975

Indirect suppression of radiation sensitivity of a recA- strain of Escherichia coli K12. Mount DW, et al. **Basic Life Sci** 5A:383–8, 1975

Use of enzymatic assay to evaluate UV-induced DNA repair in human and embryonic chick fibroblasts and multinucleate heterokaryons derived from both. Paterson MC, et al. **Basic Life Sci** 5B:735–45, 1975

Substrate specificity of Micrococcus luteus UV endonuclease and its overlap with DNA photolyase activity. Patrick MH. **Basic Life Sci** 5A:205–8, 1975

Faulty DNA repair following ultraviolet irradiation in Fanconi's anemia. Poon PK, et al. **Basic Life Sci** 5B:821–4, 1975

The effect of genes controlling radiation sensitivity on chemical mutagenesis in yeast. Prakash L. **Basic Life Sci** 5A:393–5, 1975

Endonuclease III: an endonuclease from Escherichia coli that introduces single polynucleotide chain scissions in ultraviolet-irradiated DNA. Radman M. **Basic Life Sci** 5A:197–200, 1975

SOS repair hypothesis: phenomenology of an inducible DNA repair which is accompanied by mutagenesis. Radman M. **Basic Life Sci** 5A:355–67, 1975 (44 ref.)

Host-cell reactivation of irradiated human adenovirus Rainbow A. **Basic Life Sci** 5B:753–4, 1975

The beginning of an investigation of the role of recF in the pathways of metabolism of ultraviolet-irradiated DNA in Escherichia coli. Rothman RH, et al. **Basic Life Sci** 5A:283–91, 1975

Effect of mutations in lig and polA on UV-induced strand cutting in a uvrC strain of Escherichia coli. Seeberg E, et al. **Basic Life Sci** 5B:439–41, 1975

Enzymic mechanism of excision-repair in T4-infected cells. Sekiguchi M, et al. **Basic Life Sci** 5A:135–42, 1975

Repair of ultraviolet damage in Haemophilus influenzae DNA. Setlow, et al. **Basic Life Sci** 5B:521–4, 1975

Dependence upon growth medium and the polA, polC, recA, recB, recC, and exrA genes of separate branches of the uvr Gene-dependent excision-repair process in Escherichia coli K12 cells. Smith KC, et al. **Basic Life Sci** 5B:443–51, 1975

The repair of ultraviolet damage by phage T4: the role of the early phage genes. Symonds N. **Basic Life Sci** 5A:143–7, 1975

Alkali-labile lesions in DNA from cells treated with methylating agents, 4-nitroquinoline-N-oxide, or ultraviolet light. Walker IG, et al. **Basic Life Sci** 5A:29–30, 1975

The fate of UV-induced pyrimidine dimers in the nuclear and mitochondrial DNAs of Saccharomyces cerevisiae on various postirradiation treatments and its influence on survival and cytoplasmic 'petite' induction. Waters R, et al. **Basic Life Sci** 5B:557–65, 1975

Thermal enhancement of ultraviolet mutability in a dnaB uvrA derivative of Escherichia coli B/r: evidence for inducible error-prone repair. Witkin EM. **Basic Life Sci** 5A:369–78, 1975

Near-UV photoproduct(s) of L-typtophan: an inhibitor of medium-dependent repair of X-ray-induced single-strand breaks in DNA which also inhibits replication-gap closure in Escherichia coli DNA. Yoakum G, et al. **Basic Life Sci** 5B:453–8, 1975

Involvement of uvrD, exrA, and recB genes in the control of the postreplicational repair process. Youngs DA, et al. **Basic Life Sci** 5A:331–3, 1975

U.V. induced covalent crosslinking of E. coli ribosomal RNA to specific proteins. Baca OG, et al. **Biochem Biophys Res Commun** 70(4):1091–6, 21 Jun 76

Spurious photolability of DNA labeled with (14C)-thymidine. Elkind MM, et al. **Biochem Biophys Res Commun** 68(3):691–8, 9 Feb 76

Photosensitized splitting of thymine dimers in DNA by gene 32 protein from phage T 4. Helene C, et al. **Biochem Biophys Res Commun** 71(1):91–8, 12 Jul 76

DNA postreplication repair gap filling in temperature-sensitive dnaG, dnaC, dnaA mutants of Escherichia coli. Johnson RC. **Biochem Biophys Res Commun** 70(3):791–6, 7 Jun 76

Caffeine enhancement of the cytotoxic and mutagenic effect of ultraviolet irradiation in a xeroderma pigmentosum variant strain of human cells. Maher VM, et al. **Biochem Biophys Res Commun** 71(1):228–34, 12 Jul 76

Formation of thymine-lysine adducts in irradiated DNA-lysine systems. Shetlar MD, et al. **Biochem Biophys Res Commun** 66(1):88–93, 2 Sep 75

4-Thiouridine as the target for near-ultraviolet light induced growth delay in Escherichia coli. Thomas G, et al. **Biochem Biophys Res Commun** 66(4):1454–61, 27 Oct 75

Ultraviolet photoinactivation of galactosyltransferase. Protection by substrates. Clymer DJ, et al. **Biochemistry** 15(5):1093–7, 9 Mar 76

A DNA binding protein from human placenta specific for ultraviolet damaged DNA. Feldberg RS, et al. **Biochemistry** 15(11):2402–8, 1 Jun 76

Evidence for photoinduced cross-linkage, in situ, of 30S ribosomal proteins to 16S rRNA. Gorelic L.

Biochemistry 14(21):4627–33, 21 Oct 75
Photoinduced cross–linkage, in situ, of Escherichia coli 30S ribosomal proteins to 16S rRNA: identification of cross–linked proteins and relationships between reactivity and ribosome structure. Gorelic L. **Biochemistry** 15(16):3579–90, 10 Aug 76
Effect of cross–linking on the secondary structure of DNA I. Cross–linking by photodimerization. Herbeck R, et al. **Biochemistry** 15(12):2656–60, 15 Jun 76
Histone–histone interactions within chromatin. Crosslinking studies using ultraviolet light. Martinson HG, et al. **Biochemistry** 15(9):2002–7, 4 May 76
Induction of stable protein–deoxyribonucleic acid adducts in Chinese hamster cell chromatin by ultraviolet light. Strniste GF, et al. **Biochemistry** 15(8):1712–9, 20 Apr 76
Partial purification of endonuclease activity from human lymphoblasts. Separation of activities for depurinated DNA and DNA irradiated with ultraviolet light. Brent TP. **Biochim Biophys Acta** 407(2):191–9, 1 Oct 75
DNA–protein cross–linking by ultraviolet radiation in normal human and xeroderma pigmentosum fibroblasts. Fornace AJ Jr, et al. **Biochim Biophys Acta** 435(1):95–103, 2 Jun 76
Evidence for B–C transition in ultraviolet–irradiated DNA. An infrared linear dichroism study. Fritzsche H, et al. **Biochim Biophys Acta** 432(3):409–12, 19 May 76
The binding of near–ultraviolet light–induced tryptophan photoproduct(s) to DNA. Glatzer L, et al. **Biochim Biophys Acta** 418(2):137–45, 19 Jan 76
Photoinduced convalent crosslinkage, in situ, of Escherichia coli 50 S ribosomal proteins to rRNA. Gorelic L. **Biochim Biophys Acta** 390(2):209–25, 1 May 75
Colony–forming ability of ultraviolet–irradiated xeroderma pigmentosum fibroblasts from different DNA repair complementation groups. Kraemer KH, et al. **Biochim Biophys Acta** 442(2):147–53, 18 Aug 76
Further studies on the blue and near ultraviolet reversible photoreaction with an intracellular particulate fraction of the fungus, Alternaria tomato. Kumagai T, et al. **Biochim Biophys Acta** 421(1):133–40, 14 Jan 76
Postreplication repair of DNA in chick cells: studies using photoreactivation. Lehmann AR, et al. **Biochim Biophys Acta** 402(2):179–87, 21 Aug 75
The ATP dependence of the incision and resynthesis steps of excision repair. Masker WE. **Biochim Biophys Acta** 442(2):162–73, 18 Aug 76
Gaps in DNA synthesized by ultraviolet light–irradiated WI38 human cells. Meneghini R. **Biochim Biophys Acta** 425(4):419–27, 2 Apr 76
T4–endonuclease V–sensitive sites in DNA from ultraviolet–irradiated human cells. Meneghini R, et al. **Biochim Biophys Acta** 425(4):428–37, 2 Apr 76
The effect of 313 nanometer light on initiation of replicons in mammalian cell DNA containing bromodeoxyuridine. Povirk LF, et al. **Biochim Biophys Acta** 432(3):267–72, 19 May 76
RNA synthesis in Yoshida ascites tumor cells after ultraviolet and gamma irradiation. Ramakrishnan N, et al. **Biochim Biophys Acta** 435(2):119–27, 18 Jun 76
Burying and molting of pink shrimp, Penaeus duorarum (Crustacea: Penaeidae), under selected photoperiods of white light and UV–Light. Bishop JM, et al. **Biol Bull** 150(2):163–82, Apr 76
Inhibition of DNA replication by ultraviolet light. Edenberg HJ. **Biophys J** 16(8):849–60, Aug 76
Effects of ultraviolet irradiation on the rate and sequence of DNA replication in synchronized Chinese hamster cells. Meyn RE, et al. **Biophys J** 16(5):517–25, May 76
Rate of DNA chain elongation in ultraviolet light–irradiated mammalian cells as estimated by a bromodeoxyuridine photolysis method. Povirk LF, et al. **Biophys J** 16(8):883–9, Aug 76
Ultraviolet irradiation: a possible technique for reducing cell yield (sludge) in wast treatment systems. Nix PG, et al. **Biotechnol Bioeng** 18(2):281–4, Feb 76
Protective action of beta–carotene against lethal photosensitization of fibroblasts in vitro. Fritsch P, et al. **Br J Dermatol** 94(3):263–271, Mar 76
The erythemal action spectrum and deoxyribonucleic acid repair synthesis in xeroderma pigmentosum. Ramsay CA, et al. **Br J Dermatol** 92(1):49–56, Jan 75
Vascular changes in human skin after ultraviolet irradiation. Ramsay CA, et al. **Br J Dermatol** 94(5):487–93, May 76
Erythropoietic protoprophyria—submicroscopic events during the acute photosensitivity flare. Schnait FG, et al. **Br J Dermatol** 92(5):545–57, May 75
The effect of continuous ultraviolet irradiation on broiler chickens. Barnett KC, et al. **Br Poult Sci** 17(2):175–7, Mar 76
Photodegradation of polychloronaphthalenes in methanol solution. Ruzo LO, et al. **Bull Environ Contam Toxicol** 14(3):341–5, Sep 75
The effect of ultraviolet radiation on the electrical conductivity of human bone. Behari J, et al. **Calcif Tissue Res** 19(3):223–7, 22 Dec 75
The interactive effect of ultraviolet irradiation and 5–bromouracil at the rib–1 locus in Neurospora crassa. Nemerofsky A. **Can J Genet Cytol** 17(2):275–8, Jun 75
The influence of acridine dyes and caffeine on recovery from ultraviolet damage in Eudorina elegans. Kemp CL, et al. **Can J Microbiol** 21(11):1849–54, Nov 75
Ultraviolet–induced changes in cuticular waxes of American cockroaches, Periplaneta americana (L.) (Dictyoptera: Blattaria: Blattidae). Gingrich JB. **Can J Zool** 53(9):1238–40, Sep 75
Excision of pyrimidine dimers from epidermal DNA and nonsemiconservative epidermal DNA synthesis following ultraviolet irradiation of mouse skin. Bowden GT, et al. **Cancer Res** 35(12):3599–607, Dec 75
Resistance of human melanoma cells to ultraviolet radiation. Chalmers AH, et al. **Cancer Res** 36(6):1930–4, Jun 76
Inactivation of tumor cell–associated feline oncornavirus for preparation of an infectious virus–free tumor cell immunogen. Heding LD, et al. **Cancer Res** 36(5):1647–52, May 76
Beta–D–Glucopyranosylamine and 2–amino–2–deoxy–D–glucose from ultraviolet irradiation of D–glucose and amino acids. Doner LW, et al. **Carbohydr Res** 47(2):342–4, Apr 76
The formation and repair of single–strand breaks in DNA of cultured mammalian cells treated with UV–light, methylating agents or 4–nitroquinoline–1–oxide. Walker IG, et al. **Chem Biol Interact** 12(3–4):229–39, Mar 76
Personnel monitoring of exposure to ultraviolet radiation. Challoner AV, et al. **Clin Exp Dermatol** 1(2):175–9, Jun 76
Photochemical inactivation of enzymes. Grossweiner LI. **Curr Top Radiat Res** 11(2):141–99, Mar 76 (151 ref.)
The mechanism of photochemotherapy. Gmeiner B, et al. **Dermatologica** 152(5):281–5, 1976
Influence of ultraviolet light, various temperatures, and zinc ions on anthralin (dithranol). Biochemical and chemical investigations. Raab WP, et al. **Dermatologica** 150(5):267–76, 1975
Transformations of environmental contaminants by light. Crosby DG, et al. **Environ Qual Saf** 4:175–8, 1975
Reparir of UV damage to DNA of implantation–stage mouse embryos in vitro. Pedersen RA, et al. **Exp Cell Res** 95(2):247–53, 15 Oct 75
A study of beating frequency of a single myocardial cell. II. Ultraviolet micro–irradiation of the nucleus and of the cytoplasm. Salet C, et al. **Exp Cell Res** 100(2):365–73, Jul 76
Degradation of phenylalanine in the presence of hydrogen peroxide. Ansari AS, et al. **Experientia** 32(5):573–4, 15 May 76
Ultraviolet light–induced miniature end–plate potentials in frog neuromuscular junction. Goto J, et al. **Experientia** 31(10):1178–9, 15 Oct 75
Elimination of lethal and pre–mutational DNA lesions during the photoreactivation of UV–irradiated Escherichia coli. Balgavý P, et al. **Folia Microbiol (Praha)** 21(1):1–9, 1976
Role of post–replication and excision repair mechanism in the induction of Trp+ revertants of UV–irradiated Escherichia coli. Balgavý P, et al. **Folia Microbiol (Praha)** 21(2):90–9, 1976
Cross–resistance of Escherichia coli B/r to cis–platinum (II) diamminochloride, UV light and alkylating agents. Mátlová S. **Folia Microbiol (Praha)** 20(4):332–9, 1975
Experimental modification of photocarcinogenesis. II. Fluorescent whitening agents and simulated solar UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):339–42, Jun 75
Experimental modification of photocarcinogenesis. I. Fluorescent whitening agents and short–wave UVR. Forbes PD, et al. **Food Cosmet Toxicol** 13(3):335–7, Jun 75
UV mutagenesis in radiation–sensitive strains of yeast. Lawrence CW, et al. **Genetics** 82(2):207–32, Feb 76
Photochemical reactions. V (1). Photo–oxidation of 17 beta–acetoxy–4–aza–androst–5–en–3–one. Abelló F, et al. **Helv Chim Acta** 58(8):2549–52, 17 Dec 75
Photochemical reactions. IV (1). Irradiation of 17 beta–acetoxy–4–aza–androst–5–en–3–one with UV.–light. Boix J, et al. **Helv Chim Acta** 58(8):2545–8, 17 Dec 75
The influence of repair processes on radiobiological survival curves. pp. 197–208. Haynes RH.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
Prediction of bacterial survival after ultraviolet radiation. pp. 179–89. Miller DR, et al.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
The methylation of DNA and radiation damage. pp. 49–52. Low M, et al.
In: Antoni F, Farago A, ed. Post–synthetic modification of macromolecules. Amsterdam, North–Holland, 1975. W3 FE322 9th 1974 v.34.
Genetic effects of UV on Escherichia coli—a model for prokaryotes. pp. 626–31. Bridges BA.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Psoralen cross–links in DNA: biological consequences and cellular repair. pp. 582–9. Cole RS, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Chemical aspects of photodynamic action in the presence of molecular oxygen. pp. 590–611. Gollnick K.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (120 ref.)
Dissipation of UV energy in nucleic acids and nucleoproteins. pp. 624–5. Longworth JW.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
The present status of DNA repair mechanisms in UV irradiated yeast taken as a model eukaryotic system. pp. 632–50. Moustacchi E, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (80 ref.)
Use of a purified lesion–recognizing enzyme to assay DNA repair in cultured animal cells. pp. 718–26. Paterson MC.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Radiology applied: mapping transcriptional organization in pro– and eukaryotes. pp. 651–62. Sauerbier W.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Direct evidence that damaged DNA results in neoplastic transformation—a fish story. pp. 879–84. Setlow RB, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.
Carcinogens and DNA repair. pp. 727–34. Stich HF, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r. (29 ref.)
Effect of DNA repair on the cytotoxicity and mutagenicity of UV irradiation and of chemical carcinogens in normal and xeroderma pigmentosum cells. pp. 129–45. Maher VM, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.
Inherited DNA repair defects in H. sapiens: their relation to UV–associated processes in xeroderma pigmentosum. pp. 115–27. Robbins JH, et al.
In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975. (34 ref.)
Adsorption profile of native and irradiated DNA at solid–liquid interface. Chari RV, et al. **Indian J Biochem Biophys** 12(3):219–24, Sep 75
Ultraviolet injury of connective tissue. Sengupta KP, et al. **Indian J Exp Biol** 13(4):337–42, Jul 75
Epidermal urocanic acid & histidase of albino guineapig following total body UV–irradiation. Wadia AS, et al. **Indian J Exp Biol** 13(3):234–7, May 75
Transformation of mouse cells after infection with ultraviolet irradiation–inactivated herpes simplex virus type 2. Boyd AL, et al. **Int J Cancer** 16(4):526–38, 15 Oct 75
Temperature–sensitive DNA repair of ultraviolet damage in human cell lines. Goss P, et al. **Int J Cancer** 17(3):296–303, 15 Mar 76
Ultraviolet inactivation of Epstein–Barr virus: effect on synthesis of virus–associated antigens. Sairenji T, et al. **Int J Cancer** 16(1):1–6, 15 Jul 75
Sensitivity of gelatin and albumin to irradiation at 230 NM. Friedberg F, et al. **Int J Pept Protein Res** 7(3):203–6, 1975
Letter: Energy metabolism after u.v.–irradiation in a sensitive yeast strain. Kiefer J. **Int J Radiat Biol** 29(3):287–92, Mar 76
Energy requirements for damaging DNA molecules. III. The mechanisms of inactivation of bacteriophage chiX 174 DNA by vacuum ultra–violet radiation. Sontag W, et al. **Int J Radiat Biol** 27(6):543–52, Jun 75
Letter: The DNA synthesis of U.V.–irradiated lambda phage in a U.V.–sensitive host bacterium. Tokunaga F, et al. **Int J Radiat Biol** 28(5):489–94, Nov 75
Effect of long–wave ultraviolet light on the lens. I. Model systems for detecting and measuring effect on the lens in vitro. Kuck JF Jr. **Invest Ophthalmol** 15(5):405–7, May 76
Ultraviolet measurements at the Dead Sea and at Beersheba. Kushelevsky AP, et al. **Isr J Med Sci** 11(5):488–90, May 75
Photosensitization and luminescence of picloram. Glass BL. **J Agric Food Chem** 23(6):1109–12, Nov–Dec 75
Ultraviolet irradiation of fenitrothion and the synthesis of the photolytic oxidation products. Greenhalgh R, et al. **J Agric Food Chem** 24(4):708–13, Jul–aug 76
Photolysis of benzoic acid 2–(2,4,6–trichlorophenyl) hydrazide. Koshy KT, et al. **J Agric Food Chem** 23(6):1084–8, Nov–Dec 75
Irradiation studies of mallard duck eggs material containing Mirex. Lane RH, et al. **J Agric Food Chem** 24(1):192–3, Jan–Feb 76
Ultraviolet light inactivation and photoreactivation of AS–1 cyanophage in Anacystis nidulans. Asato Y. **J Bacteriol** 126(1):550–2, Apr 76
Inactivation of carotenoid–producing and albino strains of Neurospora crassa by visible light, blacklight, and ultraviolet radiation. Blanc PL, et al. **J Bacteriol** 125(2):616–25, Feb 76
Second–site mutations in capR (lon) strains of Escherichia coli K–12 that prevent radiation sensitivity and allow bacteriophage lambda to lysogenize. Gayda RC, et al. **J Bacteriol** 127(3):1208–16, Sep 76
Role of Rec pathways on sensitivity of Escherichia coli to near–ultraviolet and visible light. Gopalakrishna K, et al. **J Bacteriol** 127(2):1022–3, Aug 76
Repair of deoxyribonucleic acid in ultraviolet light–sensitive and –resistant Dictyostelium discoideum strains. Guialis A, et al. **J Bacteriol** 127(1):59–66, Jul 76

Inactivation of membrane transport in Escherichia coli by near-ultraviolet light. Koch AL, et al. **J Bacteriol** 126(1):140–6, Apr 76

Inactivation of adenosine 5'-triphosphate synthesis and reduced-form nicotinamide adenine dinucleotide dehydrogenase activity in Escherichia coli by near-ultraviolet and violet radiations. Lakchaura BD, et al. **J Bacteriol** 125(1):111–8, Jan 76

Repair of ultraviolet light-induced damage in Micrococcus radiophilus, an extremely resistant microorganism. Lavin MF, et al. **J Bacteriol** 126(2):587–92, May 76

Isolation and genetic analysis of amber uvrA and uvrB mutants. Morimyo M, et al. **J Bacteriol** 126(1):529–32, Apr 76

Method for the isolation of Escherichia coli relaxed mutants, utilizing near-ultraviolet irradiation. Ramabhadran TV. **J Bacteriol** 127(3):1587–9, Sep 76

Pyrimidine dimer excision in surviving and nonsurviving cells of ultraviolet-irradiated cultures of Escherichia coli. Schenley RL, et al. **J Bacteriol** 126(2):985–9, May 76

Role of pyrimidine dimer excision in loss of potential streptomycin resistance mutations of ultraviolet-irradiated Escherichia coli on phosphate-buffered agar. Sideropoulos AS, et al. **J Bacteriol** 123(3):1068–75, Sep 75

Mechanism of gap-filling during postreplication repair of ultraviolet damage in Haemophilus influenzae. Small GD. **J Bacteriol** 124(1):176–81, Oct 75

Genetic control of multiple pathways of post-replicational repair in uvrB strains of Escherichia coli K-12. Youngs DA, et al. **J Bacteriol** 125(1):102–10, Jan 76

Action of bacteriophage T4 ultraviolet endonuclease on duplex DNA containing one ultraviolet-irradiated strand. Simon TJ, et al. **J Biol Chem** 250(22):8748–52, 25 Nov 75

Selection of chinese hamster somatic cell mutants after irradiation of BUdR-labelled cells. Thirion JP, et al. **J Cell Physiol** 87(1):135–9, Jan 76

Effect of near ultraviolet and visible light on amoeba. Chatterjee S, et al. **J Cell Sci** 19(1):117–26, Oct 75

Photoreactivation of Pseudomonas cepacia after ultraviolet exposure: a potential source of contamination in ultraviolet-treated waters. Carson LA, et al. **J Clin Microbiol** 1(5):462–4, May 75

Rapid screening of Veillonella by ultraviolet fluorescence. Chow AW, et al. **J Clin Microbiol** 2(6):546–8, Dec 75

Effects of UV irradiation on nymphs of Blattella germanica and Periplaneta americana. Cohen SH, et al. **J Econ Entomol** 68(5):687–93, Oct 75

Restroation of the capacity to form pole cells in u.v.-irradiated Drosophila embryos. Warn R. **J Embryol Exp Morphol** 33(4):1003–11, Jul 75

The effect of u.v. irradiation of the vegetal pole of Xenopus laevis eggs on the presumptive primordial germ cells. Züst B, et al. **J Embryol Exp Morphol** 34(1):209–20, Aug 75

R factor-mediated resistance to ultraviolet light in strains of Escherichia coli deficient in known repair functions. Tweats DJ, et al. **J Gen Microbiol** 93(1):103–10, Mar 76

Ultraviolet and green receptors in principal eyes of jumping spiders. De Voe RD. **J Gen Physiol** 66(2):193–207, Aug 75

Ultraviolet-induced alterations of beat rate and electrical properties of embryonic chick heart cell aggregates. Nathan RD, et al. **J Gen Physiol** 67(1):27–44, Jan 76

Herpes virus and viral DNA synthesis in ultraviolet light-irradiated cells. Coppey J, et al. **J Gen Virol** 32(1):1–15, Jul 76

The effect of ultra-violet radiation on cercariae of Schistosoma mansoni and Schistosoma haematobium. Ghandour AM, et al. **J Helminthol** 49(3):153–9, Sep 75

Effects of U.V. light and temperature on the melanization and the formation of daily growth layers of Sarcophaga falculata. Schlein Y. **J Insect Physiol** 21(11):1859–63, Nov 75

Suppression of ultraviolet light-induced tumor formation by dietary antioxidants. Black HS, et al. **J Invest Dermatol** 65(4):412–4, Oct 75

The induction of melanogenesis by ultraviolet light in the pigmentary system of Rhesus monkeys. Erickson KL, et al. **J Invest Dermatol** 65(3):279–84, Sep 75

The inefficacy of riboflavin against ultraviolet-induced carcinogenesis. Pacernick LJ, et al. **J Invest Dermatol** 65(6):547–8, Dec 75

Ability of PABA to protect mammalian skin from ultraviolet light-induced skin tumors and actinic damage. Synder DS, et al. **J Invest Dermatol** 65(6):543–6, Dec 75

Indirect mutagenesis in phage lambda by ultraviolet preirradiation of host bacteria. Ichikawa-Ryo H, et al. **J Mol Biol** 97(1):77–92, 5 Sep 75

Presence of a herpes simplex virus DNA fragment in an L cell clone obtained after infection with irradiated herpes simplex virus I. Kraiselburd E, et al. **J Mol Biol** 97(4):533–42, 5 Oct 75

Visualization of sister strand exchanges induced by ultraviolet irradiation. Mosevitsky MI. **J Mol Biol** 100(2):219–25, 15 Jan 76

Repair of pyrimidine dimers in nuclear and mitochondrial DNA of yeast irradiated with low doses of ultraviolet light. Prakash L. **J Mol Biol** 98(4):781–95, 15 Nov 75

Studies on temperature-dependent ultraviolet light-sensitive mutants of bacteriophage T4: the structural gene for T4 endonuclease V. Sato K, et al. **J Mol Biol** 102(1):15–26, 25 Mar 76

Data on the action spectrum for ultraviolet carcinogenesis. Freeman RG. **J Natl Cancer Inst** 55(5):1119–22, Nov 75

Factors influencing the output of ultraviolet radiation during welding. Emmett EA, et al. **J Occup Med** 18(1):41–4, Jan 76

Photoreactivation of nitrate reductase production in Nicotiana tabacum var. Xanthi. Wright LA Jr, et al. **J Sports Med** 1(4):338–46, 1973

A mathematical model for germ cell determination process and effect of ultraviolet light on the process. Ijiri K, et al. **J Theor Biol** 58(1):15–32, 7 May 76

Prophage induction and inactivation by UV light. Barnhart BJ, et al. **J Virol** 18(3):950–5, Jun 76

UV sensitivity of a nonrepressor regulatory protein of bacteriophage P22. Tokuno SI, et al. **J Virol** 18(1):65–70, Apr 76

Whirling disease (Myxosoma cerebralis): control with ultraviolet irradiation and effect on fish. Hoffman GL. **J Wildl Dis** 11(4):505–7, Oct 75

Photoreactivation of potentially lethal, UV-induced damage to boreal toad (Bufo boreas boreas) tadpoles. Worrest RC, et al. **Life Sci** 17(10):1545–50, 15 Nov 75

Change of colour of fluorescence during exposure to ultraveiolet light and its effect on photomicrography. Laszlo I. **Med Biol Illus** 25(2):97–102, May 75

In vitro repair of UV-or x-irradiated bacteriophage T4 DNA by extract from blue-green alga Anacystis nidulans. Shestakov SV, et al. **Mol Biol Rep** 2(2):89–94, Jul 75

Inhibition of cell growth by near ultraviolet light photoproducts of tryptophan. Zigman S, et al. **Mol Cell Biochem** 10(3):131–5, 25 Feb 76

Inactivation of catalase by near ultraviolet light and tryptophan photoproducts. Zigman S, et al. **Mol Cell Biochem** 11(3):149–54, 15 Jun 76

Ultraviolet reactivation of the single stranded DNA phage phiX 174. DasGupta CK, et al. **Mol Gen Genet** 139(1):77–91, 5 Aug 75

The kinetics of derepression of prophage lambda following ultraviolet irradiation of lysogenic cells. Monk M, et al. **Mol Gen Genet** 137(3):263–8, 1975

DNA Degradation and reduced recombination following UV irradiation during meiosis in yeast (Saccharomyces cerevisiae). Salts Y, et al. **Mol Gen Genet** 146(1):55–9, 5 July 76

Stable enzyme inhibitors and stable free radical species in ultraviolet-irradiated solutions of chlorpromazine. Goucher C, et al. **Mol Pharmacol** 11(5):603–12, Sep 75

Studies on the induction of mitotic gene conversion by ultraviolet irradiation. I. Analysis of dose-frequency relationship. Ito T, et al. **Mutat Res** 30(1):33–42, Oct 75

Studies on the induction of mitotic gene conversion by ultraviolet irradiation. II. Action spectra. Ito T, et al. **Mutat Res** 30(1):43–54, Oct 75

The effect of caffeine on survival of UV-irradiated diploid yeast strains of different sensitivities. Kiefer J. **Mutat Res** 30(3):317–26, Dec 75

Intracellular distribution of 8-14C-puromycin aminonucleoside in ultraviolet irradiated Escherichia coli. Sideropoulos AS. **Mutat Res** 34(1):43–54, Jan 76

Incorporation of (3H)thymidine stimulated by ultraviolet radiation into human fibroblast cultures. Stefanini M, et al. **Mutat Res** 34(2):313–26, Feb 76

Measurements of erythemally effective ultraviolet radiation and total ozone content. Barton IJ, et al. **Nature** 258(5530):68–9, 6 Nov 75

Host DNA replication or excision repair requirement for ultraviolet induction of bacteriophage lambda lysogens. Braun AG. **Nature** 261(5556):164–6, 13 May 76

Possible dosimeter for ultraviolet radiation. Davis A, et al. **Nature** 261(5556):169–70, 13 May 76

Ultraviolet light-induced unscheduled DNA synthesis in mouse oocytes during meiotic maturation. Masui Y, et al. **Nature** 257(5528):705–6, 23 Oct 75

Transformation of C3H/10T1/2CL8 mouse embryo fibroblasts by ultraviolet irradiation and a phorbol ester. Mondal S, et al. **Nature** 260(5553):710–11, 22 Apr 76

Function of the UVR marker in dark repair of DNA molecules. Sedli-ková M, et al. **Neoplasma** 22(4):361–84, 1975

Induced formation of covalent bonds between nucleoprotein components. V. UV or bisulfite induced polynucleotide-protein crosslinkage in bacteriophage MS2. Budowsky EI, et al. **Nucleic Acids Res** 3(1):261–76, Jan 76

On the use of ultraviolet light to study protein-DNA crosslinking. Celis JE, et al. **Nucleic Acids Res** 3(4):1065–71, Apr 76

Conformational changes of nucleic acids and poly (d(A-T)-d(A-T)) caused by photoaddition of furocoumarins. Kittler L, et al. **Nucleic Acids Res** 3(1):191–203, Jan 76

Search for an adenine photoproduct in DNA. Rahn RO. **Nucleic Acids Res** 3(4):879–90, Apr 76

Repair of U.V. damages in Bacillus subtilis cultures competent for transformation: difference between competent and non-competent fractions. Sgroi G, et al. **Nucleic Acids Res** 2(9):1569–77, Sep 75

Block of gating currents by ultraviolet radiation in the membrane of myelinated nerve. Fox JM, et al. **Pfluegers Arch** 364(2):143–5, 30 Jul 76

Triplet states of carotenoids from photosynthetic bacteria studied by nanosecond ultraviolet and electron pulse irradiation. Bensasson R, et al. **Photochem Photobiol** 23(3):189–93, Mar 76

Ultraviolet-induced pyrimidine dimers in long pyrimidine tracts from L-cell DNA. Birnboim HC. **Photochem Photobiol** 22(1–2):71–3, Jul-Aug 75

Epidermal hyperplasia induced by ultraviolet radiation; error and uncertainty of measurement. Blum HF, et al. **Photochem Photobiol** 21(4):255–60, Apr 75

Quantitative evidence for enzymatically-indeced DNA double-strand breaks as lethal lesions in UV irradiated pol+ and polA1 strains of E. coli K-12. Bonura T, et al. **Photochem Photobiol** 22(6):243–8, Dec 75

Near ultraviolet inactivation studies on Escherichia coli tryptophanase and tryptophan synthetase. Coetzee WF, et al. **Photochem Photobiol** 22(1–2):29–32, Jul-Aug 75

Oxygen-dependence of near UV (365 NM) lethality and the interaction of near UV and X-rays in two mammalian cell lines. Danpure HJ, et al. **Photochem Photobiol** 23(3):171–7, Mar 76

The action spectrum and dose response studies of unscheduled DNA synthesis in normal human fibroblasts. Ichihashi M, et al. **Photochem Photobiol** 23(2):103–6, Feb 76

Effects of near-ultraviolet radiation on microorganisms. Jagger J. **Photochem Photobiol** 23(6):451–4, Jun 76 (52 ref.)

Average latitudinal variation in ultraviolet radiation at the earth's surface. Johnson FS, et al. **Photochem Photobiol** 23(3):179–88, Mar 76

An unusual case of photoreactivation observed in an insect egg (Smittia Spec., chironomidae, diptera). Kalthoff K. **Photochem Photobiol** 23(2):93–101, Feb 76

UV induced DNA-protein cross-links in vitro and in vivo. Kornhauser A. **Photochem Photobiol** 23(6):457–60, Jun 76 (33 ref.)

Synergistic killing effect in pre-UV-irradiated Micrococcus radiophilus. Lewis NF, et al. **Photochem Photobiol** 22(3–4):145–6, Sep-Oct 75

Protection by AET against inactivation of transforming DNA by near-ultraviolet light: action spectrum. Peak MJ, et al. **Photochem Photobiol** 22(3–4):147–8, Sep-Oct 75

The spectral distribution of the luminescence emitted during growth of the yeast Saccharomyces cerevisiae and its relationship to mitogenetic radiation. Quickenden TI, et al. **Photochem Photobiol** 23(3):201–4, Mar 76

Effects of near-ultraviolet and violet radiations (313–405 nm) on DNA, RNA, and protein synthesis in E. coli B/r: implications for growth delay. Ramabhadran TV. **Photochem Photobiol** 22(3–4):117–23, Sep-Oct 75

Rec A+-dependent synergism between 365 NM and ionizing radiation in log-phase Escherichia coli: a model for oxygen-dependent near-UV inactivation by disruption of DNA repair. Tyrrell RM. **Photochem Photobiol** 23(1):13–20, Jan 76

The effect of irradiation with ultraviolet light on the sedimentation behaviour of PM2 DNA. Veldhuisen G, et al. **Photochem Photobiol** 23(3):205–8, Mar 76

Photosensitized herbicidal action. Zweig A, et al. **Photochem Photobiol** 22(6):257–9, Dec 75

Inducible error-prone repair in Escherichia coli. Sedgwick SG. **Proc Natl Acad Sci USA** 72(7):2753–7, Jul 75

Restoration of ultraviolet-induced unscheduled DNA synthesis of xeroderma pigmentosum cells by the concomitant treatment with bacteriophage T4 endonuclease V and HVJ (Sendai virus). Tanaka K, et al. **Proc Natl Acad Sci USA** 72(10):4071–5, Oct 75

Effect of 2-deoxy-D-glucose on the liquid-holding reactivation of yeast cells photodamaged by psoralen. Jain VK, et al. **Radiat Environ Biophys** 13(1):75–7, 30 Mar 76

Triplet state quenching by photoinduced radicals in the sensitized ethanol photolysis. Neubacher H, et al. **Radiat Environ Biophys** 12(1):51–9, 13 Jun 75

Response of membrane-bound ATPase of Micrococcus luteus to heat and ultraviolet light. Volotovskij J, et al. **Radiat Environ Biophys** 13(1):13–8, 30 Mar 76

Necessity of glycolysis for recovery from ultraviolet killing of Saccharomyces cerevisiae. Atsuta J, et al. **Radiat Res** 65(3):550–7, Mar 76

Relationship between sensitivity to ultraviolet light and budding in yeast cells of different culture ages. Atsuta J, et al. **Radiat Res** 65(3):558–65, Mar 76

The sites of unscheduled DNA synthesis within irradiated human lymphocytes. Berliner J, et al. **Radiat Res** 63(3):544–52, Sep 75

Effects of laser uv-microirradiation (lambda = 2573 A) on proliferation of Chinese hamster cells. Cremer C, et al. **Radiat Res** 66(1):106–21, Apr 76

Letter: Effects of metal ions on the formation of radicals and chain breaks in ultraviolet-radiated polyadenylic acid and collagen. Freidberg F. **Radiat Res** 66(1):174–9, Apr 76

The effect of ultraviolet light on the frequency of a genetic duplication in Salmonella typhimurium. Hoffmann GR, et al. **Radiat Res** 67(1):114–9, Jul 76

Survival of synchronized diploid yeast after ultraviolet irradiation. Nunes E, et al. **Radiat Res** 63(3):474–82, Sep 75

The effect of ultraviolet irradiation on tyrosinase. Sharma RC, et al. **Radiat Res** 66(1):33–41, Apr 76

Analysis of photoenzymatic repair of UV lesions in E. coli by light flashes. Harm W. **Res Prog Org Biol Med Chem** 3 Pt 1:402–20, 1972

Growth delay and photoprotection induced by near-ultraviolet light. Jagger J. **Res Prog Org Biol Med Chem** 3 Pt 1:383–401, 1972 (38 ref.)

The dye-sensitized degradation of nucleotides. Knowles A. **Res Prog Org Biol Med Chem** 3 Pt 1:183–213, 1972 (88 ref.)

Photo-C4-cyclo-addition reactions to the nucleic acids.

Musajo L, et al. **Res Prog Org Biol Med Chem** 3 Pt 1:155–82, 1972 (113 ref.)

Photorepair of biological systems. Setlow JK.
Res Prog Org Biol Med Chem 3 Pt 1:335–55, 1972 (85 ref.)

Dark repair of DNA damage. Smith KC.
Res Prog Org Biol Med Chem 3 Pt 1:356–82, 1972 (67 ref.)

Genetic damage by photodynamic action and recombination of bacteriophage. Yamamoto N.
Res Prog Org Biol Med Chem 3 Pt 1:297–319, 1972

Defective DNA repair replication in xeroderma pigmentosum fibroblasts and DNA repair of somatic cell hybrids after UV irradiation. Akiba H, et al.
Tohoku J Exp Med 117(1):1–13, Sep 75

Enhancement of SV40 transformation by treatment of C3H2K cells with UV light and caffeine. II. The effects of multiplicity of infection, cell phase, and time with caffeine. Ide T, et al. **Virology** 72(2):480–5, 15 Jul 76

Cell cycle dependence of simian virus 40 induction from transformed hamster cells by ultraviolet irradiation. Kaplan JC, et al. **Virology** 68(1):215–20, Nov 75

Ultraviolet inactivation of avian sarcoma viruses: biological and biochemical analysis. Owada M, et al. **Virology** 69(2):710–8, Feb 76

The effect of caffeine on the ultraviolet light induction of SV40 virus from transformed hamster cells. Zamansky GB, et al. **Virology** 73(2):468–75, Sep 76

Laboratory techniques in rabies: ultraviolet-light irradiation for inactivation of vaccines. Habel K.
WHO Monogr Ser (23):228–34, 1973

Photobiological behaviour of bacteria and phages supplemented with aza-analogoues of nucleic acid bases. Kittler L, et al. **Z Allg Mikrobiol** 15(5):323–31, 1975

Influence of ultraviolet irradiation on nutrient-gleaning capacity of two unicellular algae. Kumar HD, et al.
Z Allg Mikrobiol 15(5):333–7, 1975

Production of nutritionally-deficient mutants of the axenic blue-green alga Anabaena flos-aquae NRC-44-1 by ultraviolet irradiation. Kumar HD, et al.
Z Allg Mikrobiol 15(5):379–81, 1975

Mutagenesis in bacteriophage T7. II. UV induced mutagenesis. Meyer M, et al. **Z Allg Mikrobiol** 16(4):283–7, 1976

Sensitization of algal virus to UV by the incorporation of 5-bromouracil and mutations of host alga Plectonema boryanum. Singh PK. **Z Allg Mikrobiol** 15(7):547–52, 1975

UV-induction of thymine-containing dimers in Saccharomyces cerevisiae. Fäth WW, et al.
Z Naturforsch [C] 30(6):811–7, Nov–Dec 75

Radiation studies on Azotobacter chroococcum. II. Delayed photo-reactivation. Ahmad MH, et al.
Zentralbl Bakteriol [Naturwiss] 130(2):195–8, 1975

Radiation studies on Azotobacter chroococcum. III. Photoreactivation and mutagenicity. Ahmad MH, et al.
Zentralbl Bakteriol [Naturwiss] 130(3):293–5, 1975

Radiation studies on Azotobacter chroococcum IV. Effect of a temporary block of DNA replication on excision repair. Ahmad MH, et al.
Zentralbl Bakteriol [Naturwiss] 130(3):296–8, 1975

Feathery outbrusts of the colonies of Clostridium sporogenes containing chain forming mutants after ultraviolet irradiation. Shaikh MR, et al.
Zentralbl Bakteriol [Orig A] 231(4):485–90, May 75

Effect of UV-irradiation on submicroscopic structure of human erythrocytes in vitro. Kabat IA, et al.
Zentralbl Bakteriol [Orig B] 161(2):153–7, Oct 75

[Changes in the total protein and protein fractions in cow's milk irradiated with ultraviolet rays] Filipov Zh.
Vet Med Nauki 13(4):45–9, 1976 (Eng. Abstr.) **(Bul)**

[Value of a solar simulator in the photobiologic examinations of normal subjects] Huriez C, et al.
Ann Dermatol Syphiligr (Paris) 102(5–6):538–41, 1975 **(Fre)**

[The marine diatom Chaetoceros simplex calcitrans Paulsen and its environment. Effects of light and ultraviolet irradiation on the biosynthesis of fatty acids] Boutry JL, et al. **C R Acad Sci [D] (Paris)** 282(2):239–42, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Ultraviolet irradiation of Saccharomyces cerevisia: variations during meiosis in survival and in the induction of the cytoplasmic 'petite' mutation] Hottinger-de Margerie H, et al. **C R Acad Sci [D] (Paris)** 280(22):2617–20, 9 Jun 75 (Eng. Abstr.) **(Fre)**

[Sensitivity of the ova of Drosophila (Drosophila melanogaster, Meig.) to the lethal action of ultraviolet rays. iv. Survival of embryos irradiated at the segmentation stage] Ghélélovitch S. **Int J Radiat Biol** 29(5):401–11, May 76 (Eng. Abstr.) **(Fre)**

[Sensitivity to the lethal action of UV rays of a Staphylococcus aureus strain in relation to the number of prophages present] Karska-Wysocki B, et al.
Rev Can Biol 32(3):151–6, Sep 73 (Eng. Abstr.) **(Fre)**

[Are there pseudophototropic reactions in biology? Part 1: Some considerations on molecular repair (author's transl)] Patschorke J. **Arzneim Forsch** 25(12):1865–74, 1975 (Eng. Abstr.) **(Ger)**

[Terminal products of lipid peroxidation in the human epidermis : demonstration, increase after UV-irradiation, pathogenic importance] Diezel W, et al.
Dermatol Monatsschr 161(10):823–30, Oct 75 (Eng. Abstr.) **(Ger)**

[Xeroderma pigmentosum and antigenity of UV-irradiated DNA] Meffert VH, et al. **Dermatol Monatsschr** 162(4):300–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Letter: Ultraviolet rays as mutation poison?] Fritz-Niggli H. **Dtsch Med Wochenschr** 100(51):2623, 19 Dec 75 **(Ger)**

[Letter: Home sun-lamps and solaria] Jung EG.
Dtsch Med Wochenschr 101(17):679–80, 23 Apr 76 **(Ger)**

[Introduction of ultraviolet light and ultrasonics to medicine] Schadewaldt H. **Dtsch Med Wochenschr** 100(49):2549–52, 5 Dec 75 (Eng. Abstr.) **(Ger)**

[New ambra odorants by photoreactions of 15, 16-dinorlabd-8(20)-en-13-one (author's transl)] Ohloff G, et al. **Helv Chim Acta** 59(1):75–81, 28 Jan 76 (Eng. Abstr.) **(Ger)**

[Extranuclear sites of action in UV-irradiated Fumaria hygrometrica (author's transl)] Brandes H, et al.
Radiat Environ Biophys 12(2):147–55, 18 Jun 75 (Eng. Abstr.) **(Ger)**

[Inactivating and mutagenic effects of long-wave UV-light in bacteria with various mechanism of repair] Mennigmann HD. **Strahlentherapie** 150(2):194–94, Aug 75 (Eng. Abstr.) **(Ger)**

[Effect of the atmospheric ozone layer on the biologically active ultraviolet radiation on the earth's surface] Schulze R, et al. **Strahlentherapie** 150(2):219–26, Aug 75 (Eng. Abstr.) **(Ger)**

[The use of radiation sources in solariums] Steck B.
Strahlentherapie 150(2):213–8, Aug 75 (Eng. Abstr.) **(Ger)**

[Effect of radiation changes in the spectrum UV on plant organisms] Wellmann E. **Strahlentherapie** 150(2):199–201, Aug 75 (Eng. Abstr.) **(Ger)**

[Ultraviolet irradiation of the blood in the medical practice] Wiesner A. **Z Aerztl Fortbild (Jena)** 69(23):1226–8, 1 Dec 75 **(Ger)**

[8-methoxypsoralen blacklight therapy in various skin diseases. A report on experiences from a practice] Wachtl H. **Z Hautkr** 50(16):683–93, 15 Aug 75 **(Ger)**

[Effects of UV irradiation on the human cells: mechanisms of repair in normal individuals and in individuals with xeroderma pigmentosum] Nuzzo-de Carli F. **Pathologica** 67(967–968):175–86, May–Jun 75 **(Ita)**

[Effect of ultraviolet rays on erythropoiesis in rats] Dañieyko-Osman M. **Ann Acad Med Stetin** 21:237–67, 1975 (Eng. Abstr.) **(Pol)**

[Induction of phages by ultraviolet light in termosensitive mutants of Escherichia coli K 12 (lambda)] da Conceic®o Chermont M, et al. **An Acad Bras Cienc** 45(3–4):413–8, 1973 **(Por)**

[Action of N-nitroso-N-methylbiuret on Penicillium nigricans Thom and the protective effect in UV irradiation] Kommunarskaia AD, et al. **Antibiotiki** 21(2):108–12, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of ultraviolet light on sterol-containing membranes in nystatin solutions] Kasumov KhM, et al. **Biofizika** 20(5):831–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Accumulation of paramagnetic centers in protein solutions exposed to UV-radiation] L'vov KM, et al. **Biofizika** 20(5):797–800, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Mechanism of the formation of paramagnetic centers in proteins exposed to UV-radiation] L'vov KM, et al.
Biofizika 20(5):793–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Kinetic equation for the process of accumulation of paramagnetic centers in proteins exposed to UV-radiation] L'vov KM, et al. **Biofizika** 20(6):978–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Free radical oxidation of biological membrane lipids. VII. Effect of ultraviolet radiation on free radical oxidation of lipids complexed with protein and in biomembranes] Orlov SN, et al. **Biofizika** 21(2):276–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Photoaffine modication of tryptophanyl-tRNA-synthetase by gamma-(n-azidoanilide)-ATP] Akhveridan VZ, et al. **Dokl Akad Nauk SSSR** 226(3):698–701, 21 Jan 76 **(Rus)**

[Effects of light shielding and reversible inactivation of Candida guilliermondii, induced by 313 nm light] Fraikin GIa, et al. **Dokl Akad Nauk SSSR** 227(5):1241–3, 11 Apr 76 **(Rus)**

[Enzymatic probing of structural defects induced by u.v. light in phage T4 DNA] Tomilin NV, et al.
Dokl Akad Nauk SSSR 228(1):232–5, May–Jun 76 **(Rus)**

[The 'protective' effect of gamma-irradiation of cells in metaphase of mitosis following V-irradiation during the S period] Lebedeva LI, et al. **Genetika** 11(10):24–9, 1975 (Eng. Abstr.) **(Rus)**

[Genetic control of sensitivity of mammalian cells to the lethal and mutagenic action of ultraviolet rays] Manuilova ES, et al. **Genetika** 9(11):82–9, Nov 73 (Eng. Abstr.) **(Rus)**

[Revertants of recA-strains of Escherichia coli K-12] Shishkova OV, et al. **Genetika** 12(1):98–110, 1976 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of UV-resistant revertants of recA-strains of Escherichia coli K-12] Torosian MV, et al. **Genetika** 10(9):123–32, 1975 (Eng. Abstr.) **(Rus)**

[Losses of natural UV radiation in relation to atmospheric pollution from industrial discharges] Gracheva MP, et al.
Gig Sanit (9):20–1, Sep 75 (Eng. Abstr.) **(Rus)**

[Some data on the mechanisms of the protective action of UV irradiation] Prokopenko IuI. **Gig Sanit** (1):100–2, Jan 76 **(Rus)**

[Action of methylmercaptophos in various combinations of elevated air temperature and ultraviolet irradiation] Gabovich RD, et al. **Gig Tr Prof Zabol** (9):52–3, Sep 75 **(Rus)**

[Effect of cystamine on the ultraviolet fluorescence of leukocytes in animals and man] Brumberg IE, et al. **Izv Akad Nauk SSSR [Biol]** (6):927–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of ultraviolet rays on the activity of clover nodule bacteria] Cheverda MG, et al. **Mikrobiologiia** 44(5):918–20, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Photoisomerization of provitamins D under influence of various ultraviolet radiation] Yakhimovich RI, et al.
Prikl Biokhim Mikrobiol 11(2):254–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of local UV microirradiation on the nuclear apparatus and cytoplasm of the infusorian Paramecium caudatum] Fokin SI, et al. **Tsitologiia** 17(9):1073–80, Sep 75 (Eng. Abstr.) **(Rus)**

[The effect of ultraviolet radiation of different wave lengths on the concentration of DNA--fuchsin in the cells of Zajdel's ascitic hepatoma] Krylenkov VA, et al.
Tsitologiia 18(5):639–43, 1976 (Eng. Abstr.) **(Rus)**

[Effect of far and near ultraviolet radiation on the DNA content in the unicellular flagellate alga Dunaliella salina] Tsolova MI. **Tsitologiia** 17(11):1317–22, Nov 75 (Eng. Abstr.) **(Rus)**

[Action of ultraviolet radiation on chymotrypsin solutions] Konobasova NV. **Ukr Biokhim Zh** 48(2):169–73, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Effectiveness of total prophylactic ultraviolet irradiation at an industrial plant] Korobova GV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult (5):67–8, Sep–Oct 75 **(Rus)**

[Experimental study of an antirabies vaccine from sheep brain tissue inactivated by UV rays (author's transl)] Pospeeva NA, et al. **Vopr Virusol** (5):578–81, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Synthesis of purine and pyrimidine nucleosides under the action of high temperature and UV-radiation] Kuzicheva EA, et al. **Zh Evol Biokhim Fiziol** 11(2):112–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Abiogenic synthesis of peptide-like substances induced by UV-irradiation and heat] Lapinskaya EM, et al.
Zh Evol Biokhim Fiziol 11(4):340–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Resistance of different strains of pathogenic staphylococcus to unfavorable environmental factors] Akatov AK, et al.
Zh Mikrobiol Epidemiol Immunobiol (11):61–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Increase in resistance to UV-light in E. coli bearing the Hly plasmid resistance] Bryzgunova NI, et al.
Zh Mikrobiol Epidemiol Immunobiol (4):115–8, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of the sensitivity of a morphological mutant of S. typhimurium to irradiation] Sakanian VA, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):25–9, May 75 (Eng. Abstr.) **(Rus)**

[Experimental phytophotodermatosis caused by Tahitian lemon] Costa Martins EJ, et al.
Med Cutan Iber Lat Am 2(6):441–6, 1974 (Eng. Abstr.) **(Spa)**

[Dynamics of the bioelectrical activity of the brain in poultry under the influence of microwaves and ultraviolet rays] Faĭtel'berg-Blank VR, et al. **Fiziol Zh** 21(6):833–9, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[The resorptive function of the pericardium under the influence of different doses of ultraviolet rays] Faĭtelberh-Blank VR, et al. **Fiziol Zh** 21(5):687–9, Sep–Oct 75 **(Ukr)**

[Effect of different ultraviolet irradiation regimens on the metabolism and interorganic distribution of certain trace element-metals (Cu, Mn, Ni, Mo)] Gabovich RD, et al.
Fiziol Zh 21(6):827–32, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Interference between UV-inactivated and active strains of the potato X-virus] Skofenko AA, et al. **Mikrobiol Zh** 36(4):486–9, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

[Effects of UV-radiation of different spectral composition on content of sterols in rat skin] Datsenko ZM, et al.
Ukr Biokhim Zh 48(1):86–8, Jan–Feb 76 **(Ukr)**

[Synthesis of RNA and proteins with exogenous template in the DNA-directed cell-free system from Escherichia coli B. after UV-irradiation] Fel'dman OL, et al.
Ukr Biokhim Zh 47(4):417–21, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

[Fructose content and aldolase activity in the tissues of chickens under ultraviolet irradiation] Golovach VN, et al. **Ukr Biokhim Zh** 48(3):315–9, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

[Study of the soluble proteins of the skin of young cattle in the presence of ultraviolet irradiation in vivo and in vitro] Holovach VM, et al. **Ukr Biokhim Zh** 47(1):101–6, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

The use of ultraviolet light to induce melanogenesis in the epidermis of the rhesus monkey: an ultrastructural and biochemical study. Erickson KL. **Anat Rec** 184(4):637–63, Apr 76

Proceedings: Increase in prostaglandin E2 and F2alpha in inflammatory exudate at 4–48 h after UVB irradiation of human skin. Black AK, et al. **Br J Dermatol** 95 Suppl 24:21–2, Jul 76

Actinic rays and aerosol sprays. Youngson RM.
Br J Ophthalmol 59(12):730, Dec 75

Letter: Chromosome damage produced by psoralen and ultraviolet light. Ashwood-Smith MJ, et al. **Br Med J** 1(6005):342–3, 7 Feb 76

Protection against long ultraviolet and/or visible light with topical dihydroxyacetone. Implications for the mechanism of action of the sunscreen combination, dihydroxyacetone/naphthoquinone. Fusaro RM, et al. **Dermatologica** 150(6):346–51, 1975

Reproduction of abnormal reactions to solar ultraviolet radiation. Stern WK. **Int J Dermatol** 15(6):412–7, Jul–Aug 76

Ultraviolet-induced individual cell keratinization. Olson RL, et al. **J Cutan Pathol** 1(3):120–5, 1974

Further studies of photoaugmentation in humans: phototoxic reactions. Kaidbey KH, et al. **J Invest Dermatol** 65(5):472–5, Nov 75

UV keratoconjunctivitis vs. established dose effect relationships. Gulvady NU. **J Occup Med** 18(8):573, Aug 76

Letter: Hazards of ultraviolet light. Purcell JJ Jr, et al. **N Engl J Med** 294(2):116, 8 Jan 76

Letter: Ultraviolet light and human cataract. Dilley KJ. **Nature** 257(5521):71–2, 4 Sep 75

Species-specific neoplastic progression by ultraviolet light on the skin of rats, guinea pigs, hamsters and mice. Stenbäck F. **Oncology** 31(3–4):209–25, 1975

Cellular injury and cell proliferation in skin carcinogenesis by UV light. Stenbäck F. **Oncology** 31(2):61–75, 1975

Accelerated induction of skin cancers by ultraviolet radiation in hairless mice treated with immunosuppressive agents. Koranda FC, et al. **Surg Forum** 26:145–6, 1975

[Light hypersensitivity] Jansén C. **Duodecim** 92(12):660–74, 1976 **(Fin)**

[Clinical, histological and photobiological peculiarities of actinic retinculoid] Frain-Bell W. **Dermatol Monatsschr** 161(1):32–7, Jan 75 (Eng. Abstr.) **(Ger)**

[Enzootic calcinosis in cattle. VIII. Studies on the possible significance of sunlight (UV-rays) for the etiology of calcinosis as well as of the calcinogenic activity of dried yellow oat grass (Trisetum flavescens L.P.B.)] Dirksen G, et al. **Dtsch Tieraerztl Wochenschr** 82(10):387–90, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Light-induced cancer] Wiskemann A. **Strahlentherapie** 150(2):195–8, Aug 75 (Eng. Abstr.) **(Ger)**

[Damage of visible light to the retina (author's transl)] Gloor BP. **Ther Umsch** 32(1):32–9, Jan 75 (Eng. Abstr.) **(Ger)**

[Photohypersensitivity and DNA repair in xeroderma pigmentosum] Walicka M. **Postepy Hig Med Dosw** 29(5):595–618, Sep–Oct 75 **(Pol)**

[Effect of ultraviolet radiation on the occurrence of skin neoplasms] Pawińska-Promiewska M. **Przegl Dermatol** 63(2):225–31, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

[Role of chemical carcinogens and psoralens in the induction of skin neoplasms with UV] Pawinska-Promiewska M. **Przegl Dermatol** 63(3):371–6, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Resistance of the body to hexachlorbenzol under various combinations of air temperature and UV-irradiation] Gabovich RD, et al. **Gig Sanit** (8):17–21, Aug 75 (Eng. Abstr.) **(Rus)**

[Hygienic aspects of the biological effect of ultraviolet irradiation in industry (review of the literature)] Zoz NI, et al. **Gig Tr Prof Zabol** (11):1–5, Nov 75 **(Rus)**

DIAGNOSTIC USE

The use of ultraviolet light and fluorescence macrophotography in orthopedic morphology and pathology. Rálliš ZA, et al. **Clin Orthop** (113):237–43, Nov–Dec 75

INSTRUMENTATION

Improved method for ultraviolet irradiation of cultured cells. Paradis JL, et al. **Lab Pract** 24(11):749–50, Nov 75

ULTRAVIOLET THERAPY

Letter: Treatment of psoriasis with oral psoralens and longwave ultraviolet light. Reed WB. **Acta Derm Venereol (Stockh)** 56(4):315–7, 1976

Treatment of psoriasis with oral psoralens and longwave ultraviolet light. Therapeutic results and cytogenetic hazards. Swanbeck G, et al. **Acta Derm Venereol (Stockh)** 55(5):367–76, 1975

Factors influencing methoxsalen phototoxicity in vitiliginous skin. Arora SK, et al. **Arch Dermatol** 112(3):327–32, Mar 76

Letter: Methoxsalen and irradiation: treatment for pustulosis palmaris et plantaris. Mizune N, et al. **Arch Dermatol** 112(6):883–4, Jun 76

Editorial: Photochemotherapy of psoriasis. Parrish JA. **Arch Dermatol** 112(1):35–6, Jan 76

Proceedings: Effects and side-effects of 8-methoxypsoralen–blacklight-therapy in more than 1500 patients. Weber G. **Br J Dermatol** 95 Suppl 24:21, Jul 76

Treatment of psoriasis with long-wave ultraviolet light. Young E, et al. **Dermatologica** 150(6):352–4, 1975

Psoriasis and phototherapy. Willis I. **Int J Dermatol** 14(7):507, Sep 75

Editorial: Photochemotherapy of psoriasis. **Med J Aust** 1(10):288, 6 Mar 76

[Results of a combination of surgery and actinotherapy in thyroid gland tumors] Moravec R, et al. **Cas Lek Cesk** 115(25):755–8, 25 Jun 76 (Eng. Abstr.) **(Cze)**

[The treatment of psoriasis with oral 8-methoxypsoralen and long-wave ultraviolet light] Suurmond D, et al. **Ned Tijdschr Geneeskd** 120(28):1216–8, 10 Jul 76 **(Dut)**

[The treatment of herpes zoster by ultraviolet actinotherapy. Study of 200 cases (author's transl)] Szigeti B, et al. **J Radiol Electrol Med Nucl** 57(6–7):549–51, Jun–Jul 76 (Eng. Abstr.) **(Fre)**

[Treatment of psoriasis. New possibility of psoriasis treatment using long-wave UV light and a photosensitizer] Rodermund OE, et al. **Fortschr Med** 93(30):1484–7, 23 Oct 75 (Eng. Abstr.) **(Ger)**

[Technical experience with 8-methoxypsoralen photochemotherapy in common psoriasis] Hofmann C, et al. **Hautarzt** 27(6):277–85, Jun 76 (Eng. Abstr.) **(Ger)**

[Photochemotherapy of psoriasis] Braun-Falco O. **Ther Ggw** 115(6):989–98, Jun 76 **(Ger)**

[Topical photochemotherapy of warts] Jung EG, et al. **Z Hautkr** 51(12):491–8, 15 JUN 76 **(Ger)**

[Further experiences with the use of black light in dermatoses] Mortazawi SA, et al. **Z Hautkr** 50(12):537, 15 Jun 75 **(Ger)**

[8-Methoxypsoralen phototherapy of psoriasis vulgaris (author's transl)] Mizuno N, et al. **Jpn J Dermatol** 85(10):577–86, Sep 75 **(Jpn)**

[8-Methoxypsoralen phototherapy of pustulosis palmaris et plantaris (author's transl)] Mizuno N, et al. **Jpn J Dermatol** 85(10):595–7, Sep 75 **(Jpn)**

[Pustular psoriasis (Zumbusch) treated with 8-methoxypsoralen phototherapy (author's transl)] Mizuno N, et al. **Jpn J Dermatol** 85(10):587–94, Sep 75 **(Jpn)**

[Photochemotherapy with psoralen and long-wave ultraviolet rays. A new kind of psoriasis therapy] Thune P, et al. **Tidsskr Nor Laegeforen** 96(22):1150–1, 10 Aug 76 **(Nor)**

[Combined use of ultraviolet radiation for the control of acute respiratory diseases] Beliaev II, et al. **Vestn Akad Med Nauk SSSR** (3):37–41, 1975 (Eng. Abstr.) **(Rus)**

[Effect of ultraviolet radiation on tolerance of the organism to the action of chemical substances] Gabovich RD, et al. **Vestn Akad Med Nauk SSSR** (3):26–37, 1975 (Eng. Abstr.) **(Rus)**

[Mechanism of the adaptogenic action of ultraviolet radiation] Zabalueva AP, et al. **Vestn Akad Med Nauk SSSR** (3):23–6, 1975 (Eng. Abstr.) **(Rus)**

[Increasing the resistance to and prevention of respiratory diseases of cattle by means of ultraviolet irradiation] Porokhov FF, et al. **Veterinariia** (12):93–5, Dec 75 **(Rus)**

[Significance of extra- and intracellular redistribution of water and electrolytes of the myocardium and skeletal muscles in the therapeutic effects of UV-irradiation on experimental renal hypertension] Baronenko VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):348–55, Jul–Aug 75 **(Rus)**

[Utilization of the ultraviolet radiation of the sun during the cool period of the year at Sochi health resort] Kunichev LA. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):26–30, Jan–Feb 75 **(Rus)**

[Substantiation of the use of ultraviolet rays] Kunitsyna LA, et al. **Vrach Delo** (8):11–4, Aug 75 **(Rus)**

[Use of cholinolytics and general ultraviolet irradiation in peptic ulcer of the duodenum] Okhon'ko VI. **Vrach Delo** (1):61–3, Jan 76 (Eng. Abstr.) **(Rus)**

[Indication of actinotherapy in partial resection of the larynx] Barta T. **Cesk Otolaryngol** 25(1):7–11, Feb 76 (Eng. Abstr.) **(Slo)**

[Editorial: Photochemical therapy of psoriasis] Chye GH. **Actas Dermosifiliogr** 66(5–6):239–42, May–Jun 75 **(Spa)**

[Photodrugtherapy of psoriasis with oral psoralen and black light therapy] Corrales Padilla H. **Med Cutan Iber Lat Am** 3(5):387–92, 1975 (Eng. Abstr.) **(Spa)**

[Treatment of psoriasis with UV-light, tar and psoralens] Fischer T, et al. **Lakartidningen** 72(46):4511–4, 12 Nov 75 **(Swe)**

[The bacterial flora of decubitus ulcers and the effects of ultraviolet light on this flora] Atun IH. **Mikrobiyol Bul** 10(1):3–15, Jan 76 (Eng. Abstr.) **(Tur)**

ADVERSE EFFECTS

An evaluation of fluorescent light sources for use in phototherapy of neonatal jaundice. Piltingsrud HV, et al. **Am Ind Hyg Assoc J** 37(7):437–44, Jul 76

Pathogenesis of Woronoff ring in psoriasis. Penneys NS, et al. **Arch Dermatol** 112(7):955–7, Jul 76

Ocular hazards and potential uses of near-ultraviolet light. Zigman S. **Eye Ear Nose Throat Mon** 55(3):78–82, Mar 76 (35 ref.)

UVL ozone level. Moncur SD. **Physiotherapy** 60(11):349, Nov 74

INSTRUMENTATION

Development of high intensity narrow-band lamps and studies of the irradiation effect on human skin. Irradiation with high intensity lamps. Alsins J, et al. **Acta Derm Venereol (Stockh)** 55(4):261–71, 1975

[Modification of the focusing barrel of the OKUF-5 M apparatus] Dobkin VB. **Zh Ushn Nos Gorl Bolezn** (5):108, Sep–Oct 75 **(Rus)**

METHODS

Photochemotherapy for psoriasis with orally administered methoxsalen. Wolff KW, et al. **Arch Dermatol** 112(7):943–50, Jul 76

Proceedings: Photochemotherapy. A study of its efficacy in fifty patients suffering from psoriasis and other dermatoses. Laksmipathi T, et al. **Br J Dermatol** 95 Suppl 24:20–1, Jul 76

Editorial: Photochemotherapy in psoriasis. Warin AP, et al. **Clin Exp Dermatol** 1(2):181–6, Jun 76 (30 ref.)

[Our experience with Ingram's treatment of psoriasis modified by Farbes and Harris] Vilata JJ, et al. **Actas Dermosifiliogr** 65(5–6):254–8, May–Jun 74 **(Spa)**

UMBILICAL ARTERIES

Aortic aneurysm developing after umbilical artery catheterization. Rajs J, et al. **Acta Paediatr Scand** 65(4):495–8, Jul 76

Neonatal necrotizing enterocolitis. Occurrence secondary to thrombosis of abdominal aorta following umbilical arterial catheterization. Joshi VV, et al. **Arch Pathol** 99(10):540–3, Oct 75

Reliability of bacterial culture of blood obtained from an umbilical artery catheter. Cowett RM, et al. **J Pediatr** 88(6):1035–6, Jun 76

Protamine sulfate titration for heparin activity in neonates with indwelling umbilical catheters. Hall RT, et al. **J Pediatr** 88(3):467–72, Mar 76

Two operative technics applied in perinatal research in the rhesus monkey. Epstein MF, et al. **Lab Anim Sci** 26(3):456–60, Jun 76

Letter: Clinical use of an indwelling umbilical-artery electrode. Dodd KL. **Lancet** 1(7958):545, 6 Mar 76

Letter: Clinical use of an indwelling umbilical-artery electrode. Godfrey S, et al. **Lancet** 1(7954):311–2, 7 Feb 76

Neonatal hypertension. A complication of umbilical-artery catheterization. Bauer SB, et al. **N Engl J Med** 293(20):1032–3, 13 Nov 75

Effect of umbilical artery catheters on blood flow and oxygen supply to extremities. Huxtable RF, et al. **Pediatr Res** 10(7):656–60, Jul 76

Reduced thrombus formation with silicone elastomere (silastic) umbilical artery catheters. Boros SJ, et al. **Pediatrics** 56(6):981–6, Dec 75

Letter: Changing of umbilical artery catheters. Fomufod AK, et al. **Pediatrics** 57(2):293, Feb 76

Thrombotic complications of umbilical artery catheters: A clinical and radiographic study. Goetzman BW, et al. **Pediatrics** 56(3):374–9, Sep 75

Paraplegia associated with umbilical artery catheterization in the newborn. Krishnamoorthy KS, et al. **Pediatrics** 58(3):443–5, Sep 76

Thrombus formation after umbilical arterial catheterisation. An angiographic study. Olinsky A, et al. **S Afr Med J** 49(36):1467–70, 23 Aug 75

[Aortography in newborn infants and infants by means of umbilical artery] Fišer B, et al. **Rozhl Chir** 54(9):641–4, Sep 75 (Eng. Abstr.) **(Cze)**

[Paraplegia complicating umbilical artery catheterization] Dulac O, et al. **Arch Fr Pediatr** 32(7):659–64, Aug–Sep 75 (Eng. Abstr.) **(Fre)**

[Hemodynamic consequences of umbilical arterial catheterization. Photoplethysmographic study] Poeker R, et al. **Arch Fr Pediatr** 32(9):849–58, Nov 75 (Eng. Abstr.) **(Fre)**

[Significance of checking the position of umbilical catheters in the newborn infant] Laurin S. **Lakartidningen** 72(50):4985–8, 10 Dec 75 (Eng. Abstr.) **(Swe)**

ABNORMALITIES

The missing umbilical artery. II. Paediatric follow-up. Bryan EM, et al. **Arch Dis Child** 50(9):714–8, Sep 75

Anomalous iliac compliance in children with a single umbilical artery. Berry CL, et al. **Br Heart J** 38(5):510–5, May 76

Vascular distal ureteral obstruction. Read BP, et al. **J Urol** 114(5):762–4, Nov 75

[Single artery in the umbilical cord] Dimcheva M, et al. **Akush Ginekol (Sofiia)** 15(1):83–4, 1976 **(Bul)**

[Malformations associated with a single umbilical artery] Martinez-Penuela J. **Gynaekol Rundsch** 15(1):83–90, 1975 **(Fre)**

[Fissured 'single' umbilical artery (author's transl)] Kelber R. **Arch Gynaekol** 220(4):319–23, 29 Apr 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

[The hexosamines of the umbilical cord vessel walls] Wosicki a. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):209–15, Mar 75 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

A simple method of fixing human umbilical cord to visualize the nodes of Hoboken in gross preparations. Jankowska K. **Folia Morphol (Warsz)** 34(2):187–9, 1975

[Examination of umbilical blood vessels in newborn infants of various stages of maturity] Szabó Z, et al. **Orv Hetil** 116(43):2535–7, 26 Oct 75 **(Hun)**

DRUG EFFECTS

Reduction of the tone of the isolated human umbilical artery by indomethacin, eicosa-5,8,11,14-tetraynoic acid and polyphloretin phosphate. Strandberg K, et al.

Acta Physiol Scand 94(3):319–26, Jul 75
Effects and interactions of oxygen and prostaglandins on the tone of the isolated human umbilical artery. Tuvemo T, et al. **Ups J Med Sci** 80(3):131–4, 1975

INJURIES

Serious complications after umbilical artery catheterization for neonatal monitoring. Marsh JL, et al. **Arch Surg** 110(10):1203–8, Oct 75
Laceration of umbilical artery and abruptio placentae secondary to amniocentesis. James JD, et al. **Obstet Gynecol** 48(1 Suppl):44S–45S, Jul 76

METABOLISM

Formation and action of prostaglandin endoperoxides in the isolated human umbilical artery. Tuvemo T, et al. **Acta Physiol Scand** 29(2):145–9, Feb 76
Oxygen and cyclic nucleotides in human umbilical artery. Clyman RI, et al. **Proc Natl Acad Sci USA** 72(10):3883–7, Oct 75

PHYSIOLOGY

Relationships between pressure and flow in the umbilical and uterine circulations of the sheep. Berman W Jr, et al. **Circ Res** 38(4):262–6, Apr 76
Measurement of umbilical blood flow in fetal lambs in utero. Berman W Jr, et al. **J Appl Physiol** 39(6):1056–9, Dec 75

RADIOGRAPHY

Single film retrograde umbilical aortography in the diagnosis of hypoplastic left heart syndrome with aortic atresia. Rosengart R, et al. **Circulation** 54(2):345–7, Aug 76

ULTRASTRUCTURE

Letter: Umbilical arteries in smoking and nonsmoking mothers. Caro CG. **Circ Res** 37(4):521, Oct 75

UMBILICAL CORD

Strangulation of umbilical cord by amniotic band. Burrows S, et al. **Am J Obstet Gynecol** 124(7):697–8, 1 Apr 76
Proceedings: Oedema of umbilical cord and respiratory distress in the newborn. Scott JM, et al. **Arch Dis Child** 50(8):666, Aug 75
A simple method of fixing human umbilical cord to visualize the nodes of Hoboken in gross preparations. Jankowska K. **Folia Morphol (Warsz)** 34(2):187–9, 1975
Some observations on separation of the umbilical stump in the newborn. Bhalla JN, et al. **Indian J Pediatr** 42(334):329–34, Nov 75
Active management of third stage of labour by controlled cord traction. Saha N, et al. **J Indian Med Assoc** 64(9):234–6, 1 May 75
Portal hypertension in children following neonatal umbilical disorders. Obladen M, et al. **J Perinat Med** 3(2):101–4, 1975
Umbilical cord cutting triggers hypertriiodothyroninemia and nonshivering thermogenesis in the newborn lamb. Sack J, et al. **Pediatr Res** 10(3):169, Mar 76
Letter: Constriction of the umbilical cord by an amniotic band. Allen LA. **S Afr Med J** 50(2):32, 10 Jan 76
[Reflection of umbilical cord compression in the acid–base balance of the fetus and newborn child] Smilov I. **Akush Ginekol (Sofiia)** 13(6):440–8, 1974 (Eng. Abstr.) **(Bul)**
[Rupture of the umbilical cord during delivery (author's transl)] Uher M. **Cesk Gynekol** 40(10):727–8, Dec 75 **(Cze)**
[Letter: Hemorrhage of the fetus in its placenta. Compression of the umbilical cord during gemellary labor] Daffos F, et al. **Nouv Presse Med** 4(36):2600, 25 Oct 75 **(Fre)**
[Syndrome of amniotic bands] Duchesne C, et al. **Union Med Can** 104(12):1793–6, Dec 75 (Eng. Abstr.) **(Fre)**
[Cavernous hemangioma of the umbilical cord] Büttner HH, et al. **Zentralbl Gynaekol** 97(7):439–42, 1975 **(Ger)**
[Practical significance of umbilical cord complications for the management of delivery] Kleinschmidt R, et al. **Zentralbl Gynaekol** 97(12):722–8, 1975 (Eng. Abstr.) **(Ger)**
[Results of delivery in umbilical cord prolapse at the University-Gynecological Clinic Rostock in the years 1958 to 1973] Zacharias K, et al. **Zentralbl Gynaekol** 97(22):1380–4, 1975 (Eng. Abstr.) **(Ger)**
[Evolution of the neonatal electrocardiogram as related to the time of cutting the umbilical cord] Gatto E, et al. **Arch E Maragliano Patol Clin** 30(1):41–51, Jan–Jun 74 (Eng. Abstr.) **(Ita)**
[New method for ligation of the umbilical cord] Aluigi A. **Minerva Ginecol** 27(1):67–70, Jan 75 (Eng. Abstr.) **(Ita)**
[Complications in the course of healing of the umbilical cord stump] Kobylińska-Szymańska M, et al. **Pediatr Pol** 50(9):1159–62, Sep 75 **(Pol)**
[Use of electrophonocardiography of the fetus for the diagnosis of coiling or wrapping of the umbilical cord in pregnancy] Aristov AA. **Akush Ginekol (Mosk)** (11):60–1, Nov 75 **(Rus)**

ABNORMALITIES

[Significance of umbilical cord anomalies within the frame of perinatal mortality] Böhm W, et al. **Zentralbl Gynaekol** 98(8):475–80, 1976 (Eng. Abstr.) **(Ger)**

ANALYSIS

Mercury in raw umbilical cord: comparative study of mercury content in maternal blood, placenta, umbilical cord and umbilical cord blood; Shinkawa Y. **Acta Obstet Gynaecol Jpn** 21(3):185–91, Jul 74
Mercury in dry umbilical cord: long-term observation on methylmercury content of dry umbilical cord. Shinkawa Y. **Acta Obstet Gynaecol Jpn** 21(3):176–84, Jul 74
Letter: Dried human umbilical cords and study of pollutants. Miller RW. **Lancet** 1(7954):315–6, 7 Feb 76
Letter: Human materials and study of pollutants. Shiota K. **Lancet** 2(7975):48, 3 Jul 76
Methylmercury and selenium in umbilical cords of inhabitants of the Minamata area. Nishigaki S, et al. **Nature** 258(5533):324–5, 27 Nov 75

ANATOMY & HISTOLOGY

Morphology and pathology of the equine umbilical cord. Whitwell KE. **J Reprod Fertil [Suppl]** (23):599–603, Oct 75

BLOOD SUPPLY

Effect of ritodrine infusion on uterine and umbilical blood flow in pregnant sheep. Ehrenkranz RA, et al. **Am J Obstet Gynecol** 126(3):343–9, 1 Oct 76
Umbilical cord compression associated with amniotomy: laboratory observations. Gabbe SG, et al. **Am J Obstet Gynecol** 126(3):353–5, 1 Oct 76
Vasa praevia. Pahuja A. **Med J Aust** 1(15):526–8, 10 Apr 76
Antepartum diagnosis of vasa praevia--report of a case causing sudden foetal death. Pallewela CS. **Postgrad Med J** 50(589):723–5, Nov 74
Local regulation of the uterine blood flow by the umbilical circulation. Rankin JH, et al. **Proc Soc Exp Biol Med** 150(3):690–4, Dec 75

DRUG EFFECTS

Prophylactic treatment of umbilical stump: comparison of technics. DeLoache WR, et al. **South Med J** 69(5):627–8, May 76

ENZYMOLOGY

[Oxidative metabolism of funicular tissue. II. Determination of the activity of certain Krebs cycle enzymes] Brachet E. **C R Soc Biol (Paris)** 169(4):1080–3, 1975 (Eng. Abstr.) **(Fre)**

INNERVATION

[Studies on the adrenergic innervation of the human umbilical cord] Stoppelli I, et al. **Minerva Ginecol** 27(7):505–7, Jul 75 **(Ita)**

METABOLISM

Prostaglandin biosynthesis in the human umbilical cord. Jonsson CE, et al. **Biol Neonate** 29(3–4):162–70, 1976
[Oxidative metabolism of funicular tissue. I. Effect of exogenous substrates on oxygen consumption of funicular tissue in vitro] Brachet E. **C R Soc Biol (Paris)** 169(4):1077–80, 1975 (Eng. Abstr.) **(Fre)**
[Pentose phosphate pathway and nucleic acid synthesis in human funicular tissue. In vitro studies] Brachet E. **C R Soc Biol (Paris)** 169(3):746–8, 1975 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

[Human umbilical myiasis by Phaenicia sericata in a newborn child (author's transl)] Székely R, et al. **Bol Chil Parasitol** 30(1–2):25–6, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Letter: Detection of neonatal infection by extemporaneous histopathological examination of the umbilical cord] Keresit J, et al. **Nouv Presse Med** 4(28):2043–4, 30 Aug–6 Sep 75 **(Fre)**

SURGERY

Iatrogenic ileal atresia secondary to clamping of an occult omphalocele. Vassy LE, et al. **J Pediatr Surg** 10(5):797–800, Oct 75

ULTRASTRUCTURE

Scanning electron microscope appearances of normal human amnion and umbilical cord at term. Pollard SM, et al. **Br J Obstet Gynaecol** 83(6):470–7, Jun 76

UMBILICAL CORD BLOOD see **FETAL BLOOD**

UMBILICAL HERNIA

Letter: A pregnant uterus protruding through an umbilical hernial sac. Neves e Castro M, et al. **S Afr Med J** 49(43):1774, 11 Oct 75
[Umbilical cord hernias] Kushch NL, et al. **Vestn Khir** 116(3):97–9, Mar 76 (Eng. Abstr.) **(Rus)**

BLOOD

Letter: Maternal alpha-fetoprotein and fetal exomphalos. Seppälä M, et al. **Lancet** 1(7954):303–4, 7 Feb 76

COMPLICATIONS

A rare cause of pyloric obstruction. Dunn M. **Br J Clin Pract** 29(11):316–7, Nov 75
Umbilical hernia with benign cystic teratoma. Gahlaut YV, et al. **Indian J Cancer** 12(4):446–8, Dec 75
Iatrogenic ileal atresia secondary to clamping of an occult omphalocele. Vassy LE, et al. **J Pediatr Surg** 10(5):797–800, Oct 75
[Umbilical hernia associated with situs inversus viscerum--a case report] Sugiki K, et al. **Jpn J Clin Radiol** 20(5):433–8, May 75 **(Jpn)**
[Persistent omphaloenteric duct and its manifestations in younger children] Sawicz-Birkowska K, et al. **Wiad Lek** 29(2):101–5, 15 Jan 76 (Eng. Abstr.) **(Pol)**

CONGENITAL

Exomphalos and gastroschisis: a 10-year review. Venugopal S, et al. **Br J Surg** 63(7):523–5, Jul 76
Four cases of omphalocele in two generations of the same family. Osuna A, et al. **Clin Genet** 9(3):354–6, Mar 76
Letter: Sirenomelia with exomphalos. Sharma DB, et al. **Indian Pediatr** 12(7):612, Jul 75
Letter: Anterior abdominal wall defects and E.M.G. syndrome. Verma IC, et al. **Indian Pediatr** 12(4):366, Apr 75
[Beckwith-Wiedemann syndrome. Presentation of 5 cases] Delgado A, et al. **Minerva Pediatr** 27(5):245–61, 18 Feb 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Letter: Amniotic-fluid A.F.P. and omphalocele. Binks AS, et al. **Lancet** 2(7976):99, 10 Jul 76

ETIOLOGY

Ovarian cancer presenting as umbilical hernia. Millar RC, et al. **J Surg Oncol** 7(6):493–6, 1975
[Rupture of the umbilicus in a patient with ascitic cirrhosis. Role of prethoracic omentopexy in surgical treatment] Milleret P, et al. **Chirurgie** 101(7):502–10, 14–28 May 75 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Exomphalos and trisomy 18 syndrome. Report of two cases. Zižka J, et al. **Hum Genet** 32(2):221–3, 19 May 76

HISTORY

An early description of omphalocele. Greenwood RD. **Md State Med J** *24 ?*):59, Sep 75

SURGERY

The management of hernias, hydroceles and undescended testes. Nuss D. **S Afr Med J** 50(14):548–9, 27 Mar 76
Omphalocele. Kim SH. **Surg Clin North Am** 56(2):361–71, Apr 76
[Problems of indication in the treatment of omphalocele (apropos of 25 case records of middle ectroptychia)] Balde I, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):117–20, 1974 (Eng. Abstr.) **(Fre)**
[Repair of prenatally ruptured omphalocele and the paraumbilical abdominal wall defect with the infant's own fetal membranes (author's transl)] Gharib M. **Munch Med Wochenschr** 117(39):1555–8, 26 Sep 75 (Eng. Abstr.) **(Ger)**

THERAPY

Letter: Some personal observations on omphaloceles. Feehan EB. **Clin Pediatr (Phila)** 15(7):634, Jul 76

VETERINARY

Correction of umbilical hernia in calves. Anderson NG. **Can Vet J** 17(4):115, Apr 76
Letter: Defective diaphragm associated with umbilical hernia. Nicholson C. **Vet Rec** 98(21):433–4, 22 May 76
Letter: Defective diaphragm associated with umbilical hernia. Swift BJ. **Vet Rec** 98(25):511, 19 Jun 76
[Operation in umbilical hernia] Kolushov NP. **Veterinariia** (1):89, Jan 76 **(Rus)**

UMBILICAL VEINS

Umbilical vein catheterization and portal hypertension. Junker P, et al. **Acta Paediatr Scand** 65(4):499–504, Jul 76
Umbilical vein occlusion and transient acceleration of the fetal heart rate. Experimental observations in subhuman primates. James LS, et al. **Am J Obstet Gynecol** 126(2):276–83, 15Sep 76
Congenital absence of the ductus venosus: with direct connection between the umbilical vein and the distal inferior vena cava. Leonidas JC, et al. **Am J Roentgenol** 126(4):892–5, Apr 76
Misplacement of an umbilical vein catheter. DeVore JS, et al. **Anesthesiology** 44(5):451–2, May 76
Arteriovenous fistulas constructed with modified human umbilical cord vein graft. Dardik H, et al. **Arch Surg** 111(1):60–2, Jan 76
Hepatic calcification secondary to misplaced umbilical venous catheter: report of a case. Edell S. **J Am Osteopath Assoc** 75(3):330–3, Nov 75

[Portal hypertension as late complication of umbilical vein catheterization] Böhme B, et al. **Kinderaerztl Prax** 44(4):174–9, Apr 76 **(Ger)**

[Rare complication of umbilical vein catheterization] Tiller R, et al. **Kinderaerztl Prax** 43(10):453–6, Oct 75 **(Ger)**

[Use of plastic catheters for the catheterization of the umbilical vein in newborn and premature infants] Krzaklewski S, et al. **Polim Med** 5(2):133–7, 1975 (Eng. Abstr.) **(Pol)**

[Infusion of drugs through the umbilical vein] Poliakov AV. **Vestn Khir** 115(8):53–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Significance of checking the position of umbilical catheters in the newborn infant] Laurin S. **Lakartidningen** 72(50):4985–8, 10 Dec 75 (Eng. Abstr.) **(Swe)**

ANALYSIS

[The hexosamines of the umbilical cord vessel walls] Wosicki a. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):209–15, Mar 75 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Ultrasonic visualization of an umbilical vein. Weill F. **Radiology** 120(1):159–60, Jul 76

[Radiological anatomy of the umbilical vein, the venous duct and the portal vein in human fetuses and neonates.] Richter E. **Fortschr Geb Roentgenstr Nuklearmed** 124(6):552–8, Jun 76 (Eng. Abstr.) **(Ger)**

[Examination of umbilical blood vessels in newborn infants of various stages of maturity] Szabó Z, et al. **Orv Hetil** 116(43):2535–7, 26 Oct 75 **(Hun)**

DRUG EFFECTS

Proceedings: Reactions of human endothelial cell cultures exposed to adrenalin concentrations. Payling Wright H, et al. **Thromb Diath Haemorrh** 34(1):330, 30 Sep 75

EMBRYOLOGY

[Functional anatomy of the ductus venosus in fetuses at term, with special reference to the ductus venosus—sinus umbilicalis transition] Ferraz de Carvalho CA, et al. **Anat Anz** 137(3):207–20, 1975 **(Ger)**

METABOLISM

Proceedings: Sterol synthesis in human endothelial cells. Evensen SA, et al. **Thromb Diath Haemorrh** 34(1):330, 30 Sep 75

PHYSIOLOGY

Relationships between pressure and flow in the umbilical and uterine circulations of the sheep. Berman W Jr, et al. **Circ Res** 38(4):262–6, Apr 76

SURGERY

[Hemorrhagic Cruveilhier–Baumgarten cirrhosis treated by omphalo–caval anastomosis. 12 year results] Vaillant J, et al. **J Chir (Paris)** 108(5):441–8, Nov 74 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Successful arterial substitution with modified human umbilical vein. Dardik H, et al. **Ann Surg** 183(3):252–8, Mar 76

Modified and unmodified umbilical vein allografts and xenografts as arterial substitutes: morphologic assessment. Dardik H, et al. **Surg Forum** 26:286–7, 1975

Human umbilical cord vein allograft for vascular replacement. Mindich BP, et al. **Surg Forum** 26:283–5, 1975

Clinical experience with modified human umbilical cord vein for arterial bypass. Dardik HD, et al. **Surgery** 79(6):618–24, Jun 76

Processed human umbilical cord veins for vascular reconstructive surgery. Baier RE, et al. **Trans Am Soc Artif Intern Organs** 22:514–26, 1976

ULTRASTRUCTURE

Ultrastructural identification of umbilical cord vein endothelium in situ and in culture. Elgjo RF, et al. **Cell Tissue Res** 162(1):49–59, 16 Sep 75

UMBILICUS

Combined hepatic and umbilicoportal catheterization in patients with intrahepatic portal hypertension. Relationship between ruptured varices and the portohepatic gradient. pp. 143–6. Viallet A, et al.
In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 161d 1974.

Umbilical hernia with benign cystic teratoma. Gahlaut YV, et al. **Indian J Cancer** 12(4):446–8, Dec 75

Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases. Antunes AC, et al. **J Neurosurg** 43(4):481–2, Oct 75

On the umbilicus as bisexual genital. Friedman S. **Psychoanal Q** 45(2):296–8, Apr 76

[Characteristics of the contractile activity of the uterus during delivery of a fetus with a twisted umbilicus] Bakuleva L, et al. **Akush Ginekol (Sofiia)** 14(6):440–4, 1975 (Eng. Abstr.) **(Bul)**

[Umbilical endometriosis] Pudlik–Kolaczkowska C. **Pol Tyg Lek** 30(46):1925, 17 Nov 75 (Eng. Abstr.) **(Pol)**

[Prevention and treatment of omphalitis in calves] Esiutin AV, et al. **Veterinariia** (10):90–2, Oct 75 **(Rus)**

ABNORMALITIES

Double intussusception of the small bowel through a patent vitello–intestinal duct. Mustafa R. **Br J Surg** 63(6):452, Jun 76

[Complications caused by omphaloenteric duct and its remnants in children] Stefan H, et al. **Rozhl Chir** 54(9):609–16, Sep 75 (Eng. Abstr.) **(Cze)**

[Diseases of the urachus] Derevianko IM. **Urol Nefrol (Mosk)** (3):62–3, May–Jun 75 **(Rus)**

MICROBIOLOGY

A sequential study of various modes of skin and umbilical care and the incidence of staphylococcal colonization and infection in the neonate. Johnson JD, et al. **Pediatrics** 58(3):354–61, Sep 76

[Bacteriology of the umbilicus and exchange transfusion] Tessier F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(5):659–70, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Umbilical metastasis from carcinoma of the stomach. Sister Joseph's nodule. Samitz MH. **Arch Dermatol** 111(11):1478–9, Nov 75

Umbilical endometrioma (silent type). Williams HE, et al. **Arch Dermatol** 112(10):1435–6, Oct 76

Umbilical polyp: a report of two cases. Hejazi N. **Dermatologica** 150(2):111–5, 1975

Clostridia infection in the newborn. Bogdan JC, et al. **Pediatrics** 58(1):120–2, Jul 76

SURGERY

[Experiences with surgical treatment of ascending umbilical infections in calf] Dirksen G, et al. **Tieraerztl Prax** 4(2):177–84, 1976 **(Ger)**

UNCINARIA AMERICANA see under **NECATOR**

UNCINARIASIS see **HOOKWORM INFECTIONS**

UNCONSCIOUS (PSYCHOLOGY)

Karen Horney's theory in today's world. Martin AR. **Am J Psychoanal** 35(4):297–302, Winter 75

An experimental method for the study of unconscious conflict: a progress report. Silverman LH. **Br J Med Psychol** 48(4):291–8, Dec 75

An experimental method for the study of unconscious conflict. Watson JP. **Br J Med Psychol** 48(4):299–301, Dec 75

The hero as an only child: an unconscious fantasy structuring Homer's Odyssey. A reply to the discussion by Leonard Shengold. Simon B. **Int J Psychoanal** 56(3):377, Aug 75

Effect of posthypnotic dissociation on the performance of interfering tasks. Stevenson JH. **J Abnorm Psychol** 85(4):398–407, Aug 76

The transcendent function and the forming ego. Moore N. **J Anal Psychol** 20(2):164–82, Jul 75

The first dream as the chief complaint of the unconscious, and its utilization by the primary physician. Abramson HA, et al. **J Asthma Res** 12(4):221–36, Jun 75

Psychosomatics and the 'unconscious' mind—critique and evaluation. Crown S. **J Psychosom Res** 19(5–6):307–18, 1975

Perceptual vigilance and defense revisited: evidence against Blum's psychoanalytic theory of subliminal perception. Jennings LB, et al. **Percept Mot Skills** 41(3):723–9, Dec 75

The effect of trance on memory content. Goodman FD. **Psychiatr Clin (Basel)** 8(5):243–9, 1975

Parapraxis and the mother–child relationship. Mintz IL. **Psychoanal Q** 44(3):460–1, Jul 75

[Role of hypnosis in the exploration of the unconscious] pp 169–73. Roznov VE.
In: Hausner M et al., ed. Psychotherapie in sozialistischen Landern. Leipzig, Thieme, 1975. W3 SY7347 1973p.
(Ger)

[An understanding approach to the unconscious? Alfred Lorenzer's concept of the 'scenic understanding'] Menne K. **Psyche (Stuttg)** 30(6):534–53, Jun 76 (Eng. Abstr.) **(Ger)**

[Dreams, unconscious fantasies, and perceived identity] Sandler J. **Psyche (Stuttg)** 30(9):769–85, Sep 76 **(Ger)**

[2 dimensions of psychoanalytic interpretation and the 'unconscious concept'] Werthmann HW. **Psyche (Stuttg)** 29(2):118–30, Feb 75 (Eng. Abstr.) **(Ger)**

[So–called unconscious] Kohli–Kunz A. **Z Psychosom Med Psychoanal** 21(3):284–98, Jul–Sep 75 **(Ger)**

UNCONSCIOUSNESS

see related
SYNCOPE

Suspended animation and the history of anesthesia. Stevenson LG. **Bull Hist Med** 49(4):482–511, Winter 75

Food for thought. Jones DC. **Nurs Times** 72(37):suppl135–6, 16 Sep 76

[The language of the unconscious] Geets W. **Acta Psychiatr Belg** 75(3):273–9, May 75 **(Fre)**

[Diagnosis of intraabdominal hemorrhage in the unconscious patient] Baltensweiler J. **Tieraerztl Prax** 3(1):113–6, 1975 **(Ger)**

[Twilight state after slight skull injury or isolated traumatic amnesia] Müller D. **Z Aerztl Fortbild (Jena)** 69(20):1054–6, 15 Oct 75 **(Ger)**

[How much does the 'unconscious' patient know of his condition] Duvernoy W. **Lakartidningen** 72(46):4508–10, 12 Nov 75 **(Swe)**

CHEMICALLY INDUCED

Muscle cramps, collapse, and seizures in two patients taking metolazone. Fitzgerald MX, et al. **Br Med J** 1(6022):1381–2, 5 Jun 76

Pulmonary morbidity in patients unconscious from drug overdose. pp. 215–20. Male CG, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

CLASSIFICATION

[Absences and absence–like crises] Karbowski K. **Schweiz Med Wochenschr** 105(32):1006–13, 9 Aug 75 **(Ger)**

ETIOLOGY

When loss of consciousness is not caused by epilepsy. Bercaw BL. **Geriatrics** 31(7):95–7, Jul 76

[Loss of consciousness in a diabetic patient] Shaklai M, et al. **Harefuah** 88(11):536, 1 Jun 75 **(Heb)**

FAMILIAL & GENETIC

Attacks of ventricular fibrillation and unconsciousness in a patient with prolonged QT interval. A family study. Chaundron JM, et al. **Am Heart J** 91(6):783–91, Jun 76

PHYSIOPATHOLOGY

Brain damage in alcoholics: altered states of unconsciousness. Parsons OA. **Adv Exp Med Biol** 59:569–84, 1975

Spastic eyelids. Failure of levator inhibition in unconscious states. Keane JR. **Arch Neurol** 32(10):695–8, Oct 75

Proceedings: The follow–up of EEG changes in 15 children during and after prolonged unconsciousness. Víravová L, et al. **Electroencephalogr Clin Neurophysiol** 39(5):548, Nov 75

Unconsciousness, automatisms, and myoclonic jerks with diffuse rhythmic 9–Hz discharges. Nadel A, et al. **Epilepsia** 16(3):511–20, Sep 75

THERAPY

Emergency treatment of the unconscious patient. Smith RW. **Compr Ther** 2(8):37–41, Aug 76

UNCOUPLING AGENTS

Uncoupling of mitochondrial oxidative phosphorylation by thallium. Melnick RL, et al. **Biochem Biophys Res Commun** 69(1):68–73, 8 Mar 76

Experimental mitochondrial myopathy produced by in vivo uncoupling of oxidative phosphorylation. Melmed C, et al. **J Neurol Sci** 26(3):305–18, Nov 75

The action of uncouplers on lipid bilayer membranes. Neumcke B. **Membranes** 3:215–53, 1975 (71 ref.)

N,N'bis–dichloroacetamide induction of anion permeability in beef heart mitochondria. Merola AJ, et al. **Recent Adv Stud Cardiac Struct Metab** 4:233–44, 1974

Chemotaxis away from uncouplers of oxidative phosphorylation in Bacillus subtilis. Ordal GW, et al. **Science** 189(4205):802–5, 5 Sep 75

[Uncoupling properties on mitochondrial oxidative phosphorylation of non steroidal anti–inflammatory drugs (author's transl)] Famaey JP, et al. **J Belge Rhumatol Med Phys** 30(4):208–21, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Chloride–dependent restoration of coupling by oligomycin in rat liver mitochondria. Ariel N, et al. **Biochem J** 152(1):115–9, Oct 75

PHARMACODYNAMICS

Effect of carbonyl–binding agents and oxidative phosphorylation uncouplers on the release of [3H]norepinephrine from mouse heart. Dembiec D, et al. **Biochem Pharmacol** 25(12):1369–76, 15 Jun 76

Isothiocyanates. A new class of uncouplers. Miko M, et al. **Biochim Biophys Acta** 396(2):165–74, 11 Aug 75

Anion and amine uptake and uncoupling in submitochondrial particles. Azzone GF, et al. **Eur J Biochem** 62(1):77–86, 2 Feb 76

Effect of gramicidin S and its derivatives on the mitochondrial membrane. Sholtz KF, et al. **FEBS Lett** 58(1):140–4, 15 Oct 75

The proton pump in the yeast cell membrane. pp. 21–30. Peña A.
In: Packer L, Gómez–Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.

Transport of sugars and amino acids in bacteria. XV. Comparative studies on the effects of various energy poisons on the oxidative and phosphorylating activities and

energy coupling reactions for the active transport systems for amino acids in E. coli. Anraku Y, et al. **J Biochem (Tokyo)** 78(1):165–79, Jul 75

Mitochondrial uncoupling agents. Effects on membrane permeability of molluscan neurons. Barker JL, et al. **J Membr Biol** 25(3–4):361–80, 1975–76

[Mechanism of uncoupling action of tricyclic derivatives chemically related to phenothiazine] Mainard F, et al. **C R Acad Sci [D] (Paris)** 279(26):2149–52, 23 Dec 74 **(Fre)**

UNDERACHIEVEMENT

Affective reactions of retarded and nonretarded children to success and failure. Hayes CS, et al. **Am J Ment Defic** 81(1):100–2, Jul 76

Effects of Ritalin on underachieving children: a replication. Rie HF, et al. **Am J Orthopsychiatry** 46(2):313–22, Apr 76

On getting kicked out of medical school. Schwartz BJ, et al. **Am J Psychother** 28(4):574–83, Oct 74

Emotional impairment and achievement deficit in disadvantaged children—fact or myth? Kohn M, et al. **Genet Psychol Monogr** 92(First half):57–78, Aug 75

Effects of two types of failure on anxiety. Finch AJ Jr, et al. **J Abnorm Psychol** 84(5):583–5, Oct 75

The treatment of academic underachievement. Baker HS. **J Am Coll Health Assoc** 24(1):4–7, Oct 75

The concept of specific reading retardation. Rutter M, et al. **J Child Psychol Psychiatry** 16(3):181–97, Jul 75

Success, failure, and self-assessment ratings. Fry PS. **J Consult Clin Psychol** 44(3):413–9, Jun 76

Effects of methylphenidate on underachieving children. Rie HE, et al. **J Consult Clin Psychol** 44(2):250–60, Apr 76

UNDERTAKING see **MORTUARY PRACTICE**

UNDULANT FEVER see **BRUCELLOSIS**

UNEMPLOYMENT

Certificated incapacity and unemployment in alcoholics. Saad ES, et al. **Br J Psychiatry** 128:340–5, Apr 76

Nurses and the myth of full employment. Monaghan G. **Can Nurse** 71(9):21–2, Sep 75

Relationships between obesity and associated health factors with unemployment among low income women. Roe DA, et al. **J Am Med Wom Assoc** 31(5):193–4, 198–9, 203–4, May 76

Health education for Job Corps enrollees. Fielding JE, et al. **Public Health Rep** 91(3):243–8, May–Jun 76

[Unemployment and the responsibility of physicians] Dossing M. **Ugeskr Laeger** 138(23):1427–8, 31 May 76 **(Dan)**

UNIPEN see **NAFCILLIN**

UNITED STATES DEPARTMENT OF HEALTH, EDUCATION AND WELFARE

An interview with Marjorie Lynch, Under Secretary of HEW. Lesparre M. **Hospitals** 50(6):51–2, 54, 56, 16 Mar 76

Capital close-up: the new HEW secretary. Mathews FD. **Hospitals** 49(18):65–6, 16 Sep 75

The role of CDC in technology transfer. pp. 11–4. Stickney DR.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.

Division of Dentistry: strategies for the future. Cox SL. **J Public Health Dent** 36(1):35–9, Winter 76

Dentistry in HEW's forward plan for health. Greene JC. **J Public Health Dent** 36(1):19–25, Winter 76

Progress and plans: Department of Health, Education, and Welfare. Cooper T. **Milit Med** 141(1):22–4, Jan 76

Department of Health, Education, and Welfare. Cooper T. **Milit Med** 141(8):521–4, Aug 76

HEW hangs tough on planning. **Mod Health Care** 5(5):49–50, May 76

Score one for Dr. Cooper. Brazda JF. **Mod Health Care** 4(5):16, Nov 75

The challenge of HEW. Brazda JF. **Mod Health Care** 4(6):16b, Dec 75

Official directory Federal agencies—DHEW. **Nurs Outlook** 23(10):655–6, Oct 75

Health education: a federal overview. Ogden HG. **Public Health Rep** 91(3):199–205, May–Jun 76

Editorial: New blood at hew. Cooper T. **RI Med J** 59(1):26, Jan 76

UNITED STATES FOOD AND DRUG ADMINISTRATION

FDA obstetrics–gynecology device classification report. Thompson HE, et al. **Am J Obstet Gynecol** 124(6):557–61, 15 Mar 76

Editorial: New ophthalmic drugs in the United States. Newell FW. **Am J Ophthalmol** 82(2):323–4, Aug 76

Editorial: Why the FDA can't win this one. Schneider HA. **Am J Public Health** 66(4):342, Apr 76

Cosmetics and the FDA. Eiermann HJ. **Arch Dermatol** 112(7):1023–4, Jul 76

Letter: Does prohibition of laetrile interfere with freedom of choice? **Chest** 70(03):407–8, Sep 76

Clinical trials of drugs from the viewpoint of the Food and Drug Administration. Crout JR. **Clin Pharmacol Ther** 18(5 Pt 2):634–6, Nov 75

Proposed procedural changes in new drug evaluation by the Food and Drug Administration; Walters PG. **Clin Pharmacol Ther** 19(5 Pt 2):700–3, May 76

Editorial: Regulatory agencies and medical eyecare. Stillerman ML. **Eye Ear Nose Throat Mon** 55(2):14–5, Feb 76

FDA issues guidelines for ETO sterilization. **Hospitals** 49(22):81–2, 16 Nov 75

Food and drug administration regulation of in vitro diagnostic products. pp. 7–10. Blatt G.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.

Human safety will always come first. Schmidt AM. **J Am Pharm Assoc** 16(7):400, Jul 76

Status of FDA's program on the use of antibiotics in animal feeds. Guest GB. **J Anim Sci** 42(4):1052–7, Apr 76

The Food and Drug Administration and the vinyl chloride problem—an overview. Schaffner RM, et al. **J Assoc Off Anal Chem** 58(6):1211–3, Nov 75

Letter: The FDA regarding the use of the Sargenti type formulations. Arzt AH. **J Dent Child** 43(3):150, May–Jun 76

Letter: The FDA responds to the use of N-2 and RC-2B. Gilkes CC. **J Dent Child** 43(2):76, Mar–Apr 76

Editorial: Whither nuclear pharmacy? Robinson RG, et al. **J Nucl Med** 17(7):577–8, Jul 76

Editorial: The sum of its parts. Ferguson MH. **J Pharm Sci** 65(3):I, Mar 76

The role of the Food and Drug Administration in instrumentation today and in the future. Yin L. **J Reprod Med** 16(4):184–6, Apr 76

Letter: New drugs for hypertension: an FDA reply. Crout JR. **JAMA** 234(5):480–1, 3 Nov 75

Letter: FDA authority questioned. David NF. **JAMA** 235(20):2191, 17 May 76

Letter: FDA defended. Wainstock MA. **JAMA** 235(13):1327, 29 Mar 76

Letter: Drug regulation. Wallach RC. **JAMA** 235(21):2286, 24 May 76

Editorial: The cyclamate ban. **Lancet** 1(7974):1395, 26 Jun 76

Medicine and public affairs. The FDA investigates itself. Greenberg DS. **N Engl J Med** 293(22):1157–8, 27 Nov 75

Medicine and public affairs. FDA: poor marks for its self–investigation. Greenberg DS. **N Engl J Med** 294(26):1465–6, 24 Jun 76

Letter: Regulation of medical practice by government. Kennedy JF. **N Engl J Med** 293(18):942, 30 Oct 75

Sounding board: Antenatal diagnosis, alpha fetoprotein and the FDA. Milunsky A, et al. **N Engl J Med** 295(3):168–9, 15 Jul 76

Standards for tissue banks and transplantation. Meyer HM Jr. **Transplant Proc** 8(2 Suppl 1):253–5, Jun 76

UNITED STATES NATIONAL INSTITUTES OF HEALTH

Letter: The National Institutes of Health grants peer review study team. Looney GL. **Am J Chin Med** 4(2):201–3, Summer 76

Training programs of the National Cancer Institute. Edwards MH. **Cancer Res** 35(10):2891–4, Oct 75

A postsurgical intensive care computer system at the National Institutes of Health. pp. 101–8. Risso WL Jr, et al.
In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.

On legislating fetal research. pp. 351–8. Lowe CU.
In: Milunsky A, Annas GJ, ed. Genetics and the law. New York, Plenum Press, 1976. QZ 50 N28g 1975.

Cardiopulmonary resuscitation and emergency medical systems: the role of the National Institutes of Health and the National Heart and Lung Institute. pp. 263–4. Frommer PL.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Federal support of biomedical sciences: development and academic impact. Shannon JA. **J Med Educ** 51(7 Pt 2):1–98, Jul 76 Stewart HL, et al. **J Natl Cancer Inst** 56(2):447–50, Feb 76

National Institute of Dental Research: strategies for the future. Gardner CL. **J Public Health Dent** 36(1):31–4, Winter 76

From the NIH: Research findings of potential value to the practitioner. **JAMA** 236(6):553–4, 9 AUG 76

Comments on computers in the medical research environment. Pratt AW. **Jpn J Med Electron** 12 SUPPL:7–11, Sep 74

Letter: What price the S.C.O.R.? Lenfant C. **Lancet** 1(7968):1074, 15 May 76

NIH gerontology research support: policy evaluation of in vitro cell lineage studies. Murphy DG. **Mech Ageing Dev** 4(5–6):317–23, Sep–Dec 75

Catch 22 in the NIH peer review system. Rosenberg E. **Med Hypotheses** 2(1):27–8, Jan–Feb 76

The unkindest cut: healthcare. Medicare, Medicaid and NHI will not be expanded in the 1977 budget and might even be cut. Brazda JF. **Mod Health Care** 5(1):25, 29–30, Jan 76

Medicine and Public Affairs. Cancer and heart research—they're still Congressional favorites. Greenberg DS. **N Engl J Med** 293(17):885–6, 23 Oct 75

Medicine and Public Affairs. The cancer program: a new burst of criticism. Greenberg DS. **N Engl J Med** 293(26):1379–80, 25 Dec 75

Editorial: NINCDS. **Surg Neurol** 5(4):221–2, Apr 76

Editorial: The Peer Review System and NIH. Bucy PC. **Surg Neurol** 5(5):319–20, May 76

UNITED STATES NATIONAL LIBRARY OF MEDICINE

CATLINE: use and costs at the Health Sciences Library, University of California, Davis. Anderson DC. **Bull Med Libr Assoc** 64(3):328–31, Jul 76

Letter: NLM catalog cards. D'Anna EJ. **Bull Med Libr Assoc** 63(4):427–8, Oct 75

Determination of overlap in coverage of Excerpta Medica and Index Medicus through SERLINE. Dolcourt JL, et al. **Bull Med Libr Assoc** 64(3):324–5, Jul 76

The place of the hospital library consortium in the National Biomedical Communications Network. Fink WR, et al. **Bull Med Libr Assoc** 62(3):258–65, Jul 75

A broken hip and MEDLINE: a case report. Huber AL, et al. **Bull Med Libr Assoc** 64(3):320, 322, Jul 76

NLM Medical Library Resource Improvement Grant Program: an evaluation. Matheson NW, et al. **Bull Med Libr Assoc** 64(3):309–19, Jul 76

MEDLINE services to the developing countries. Weitzel R. **Bull Med Libr Assoc** 64(1):32–5, Jan 76

The toxicology data bank. Oxman MA, et al. **J Chem Inf Comput Sci** 16(1):19–21, Feb 76

Your National Library of Medicine. Cummings MM. **JAMA** 233(13):1359–61, 29 Sep 75

Letter: National Library of Medicine. Kamenoff L. **JAMA** 235(10):1001, 8 Mar 76

Letter: Regional medical libraries. Robertson WO. **JAMA** 235(9):908, 1 Mar 76

Letter: The nursing archives at the national library of medicine. Abdellah FG. **Nurs Res** 24(5):389, Sep–Oct 75

Editorial: Trip on 'line'. May AM. **Vasc Surg** 9(4):265–7, Sep–Oct 75

The National Library of Medicine. Mehnert RB. **West J Med** 124(4):346–9, Apr 76

[Crisis of scientific communication] de la Torre J. **Bol Med Hosp Infant Mex** 33(2):353–62, Mar–Apr 76 **(Spa)**

[BIREMA: a biomedical information center serving South America] **GEN** 29(1–2):69–72, Jul–Dec 74 **(Spa)**

UNITED STATES OFFICE OF ECONOMIC OPPORTUNITY

Headstart, Economic Opportunity, Community Partnership Act of 1974. LaVor M, et al. **Except Child** 42(4):227–30, Jan 76

Poverty aspects of aging. pp. 25–59. Grace HA.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.

OEO drug treatment programs. Sparer G. **Public Health Rep** 90(5):455–9, Sep–Oct 75

Factors affecting the choice of contraceptive method by a group of OEO patients. Cochrane SH. **Soc Biol** 22(2):173–80, Summer 75

HISTORY

Reflections on a decade of early education. Hunt JM. **J Abnorm Child Psychol** 3(4):275–330, 1975 (130 ref.)

UNITED STATES PUBLIC HEALTH SERVICE

Optometry and the Public Health Service. Caplan L. **Am J Optom Physiol Opt** 52(6):428–31, Jun 75

Editorial: Poison and the United States Public Health Service—a study of medical perversion. Lesse S. **Am J Psychother** 29(4):463–5, Oct 75

PHS's challenge—to guarantee equity in health services yet not disable the institutions it affects. Blamphin JM. **Geriatrics** 30(12):30–5, Dec 75

The men in the middle: a dilemma of minority health workers. Kane RL, et al. **Med Care** 13(9):736–43, Sep 75

Aspirations and resources. Dickson JF 3d. **Med Instrum** 10(4):211–2, Jul–Aug 76

Every doctor's practice to be affected by PHSRP. Scholten M. **Mich Med** 75(1):34–5, Jan 76

Pharmaceutical services provided to outpatients by United States Military, Public Health Service, and Veterans Administration Hospitals. Greenberg D, et al. **Milit Med** 141(5):307–15, May 76

Letter: Massachusetts Medical Society and Department of Public Health regulations. Zavarine C. **N Engl J Med** 294(4):228, 22 Jan 76

Epidemic influenza and the United States public health service. **Public Health Rep** 91(4):378–80, Jul–Aug 76

Implications of findings from the amniocentesis registry for public policy. Cooper T. **Public Health Rep** 91(2):116–7, Mar–Apr 76

Multiple variable motivators involved in the recruitment of

physicians for the Indian Health Service. Hostetter CL, et al. **Public Health Rep** 90(4):319–24, Jul–Aug 75
Genetic counseling. An evaluation of public health genetic clinics. Reid KJ, et al. **West J Med** 124(1):6–12, Jan 76
[ECG evaluation by the computer using the USPHS program (author's transl)] So CS. **Munch Med Wochenschr** 117(34):1339–44, 22 Aug 75 (Eng. Abstr.) **(Ger)**

HISTORY

The quest for a national health department in the Progressive era. Waserman M. **Bull Hist Med** 49(3):353–80, Fall 75
Public Health Reports, September 1954: Indian Health Services transferred to PHS. **Public Health Rep** 90(5):467, Sep–Oct 75

UNITED STATES VETERANS ADMINISTRATION

Free psychotherapy: an inquiry into resistance. Nash JL, et al. **Am J Psychiatry** 133(9):1066–9, Sep 76
Highlights of other VA research programs. Sensory aids. Freiberger H. **Bull Prosthet Res** :330–52, Spring 75
Clinical application study of externally powered upper-limb prosthetics systems: the VA elbow, the VA hand, and the VA/NU myoelectric hand systems. Lewis EA, et al. **Bull Prosthet Res** (10-24):51–136, Fall 75
Highlights of other VA research programs. Prosthetics. Murphy EF. **Bull Prosthet Res** :265–329, Spring 75
Highlights of other VA research programs. Prosthetics. Murphy EF. **Bull Prosthet Res** (10–24):209–56, Fall 75
Veterans Administration Prosthetics Center research report. Staros A, et al. **Bull Prosthet Res** :218–64, Spring 75
Veterans Administration Prosthetics Center research report. Staros A, et al. **Bull Prosthet Res** (10–24):156–208, Fall 75
The program of the cooperative study of the Veterans Administration. Cornfield J, et al. **G Ital Cardiol** 5(2):256–61, 1975
VA revamps extended care services to better meet older veterans' needs. Filer RN. **Geriatrics** 31(8):28–30, AUG 76
A new approach to work programs in the VA. **Hosp Community Psychiatry** 27(2):110–1, Feb 76
VA neuropsychiatric disability examinations: a learning opportunity for medical students. Scheiber SC. **J Med Educ** 51(2):140–1, Feb 76
Veteran's Administration: some current concerns. Cooperman IG. **J Rehabil** 42(1):22, 39–40, Jan–Feb 76
Federal Medical Chiefs on programs and plans. Veterans Administration. Chase JD. **Milit Med** 140(10):690–3, Oct 75
Veterans Administration. Chase JD. **Milit Med** 141(8):528–31, Aug 76
Pharmaceutical services provided to outpatients by United States Military, Public Health Service, and Veterans Administration Hospitals. Greenberg D, et al. **Milit Med** 141(5):307–15, May 76
Letter: Veterans Administration physicians and loyalty. Forster HS. **N Engl J Med** 294(7):400, 12 Feb 76
Letter: Va political-affiliation oath. Forster HS. **N Engl J Med** 294(23):1297, 3 Jun 76
Letter: 'Loyalty questions' and V.A. house staff. Oboler S, et al. **N Engl J Med** 292(3):164, 16 Jan 75
Veterans Administration and spinal cord injury. Bucy PC. **Surg Neurol** 5(3):184, Mar 76

UNITHIOL see under **DIMERCAPROL**

UNIVERSITIES

Gallaudet College communicates. Gilbert LJ. **Am Rehabil** 1(3):22–5, Jan–Feb 75
The community college system: a resource for rehabilitation. Shworles TR. **Am Rehabil** 1(3):8–12, Jan–Feb 75
A profile of clinical supervisors in college and university speech and hearing training programs. Schubert GW, et al. **ASHA** 17(7):440–7, Jul 75
University students: attainment and sport. Hendry LB, et al. **Br J Educ Psychol** 45(3):299–306, Nov 75
Quantity conceptions in university students: another look. Rowell JA, et al. **Br J Psychol** 67(1):1–10, Feb 76
The value of a university department of general practice. Richardson IM. **Br Med J** 4(5999):740–2, 27 Dec 75
Day care on a university campus. Major JN. **Child Today** 4(5):25–6, Sep–Oct 75
The government and the university. Brewster K Jr. **Conn Med** 39(9):555–7, Sep 75
The institutional base for education and research in neuroscience. Marshall LH, et al. **Exp Neurol** 49(1 pt 2):14–23, Oct 75
Intergenerational living: university dormitories. Hedden LJ. **Gerontologist** 14(4):283–5, Aug 74
Control of biohazards in academic institutions – a statement of need. **J Am Coll Health Assoc** 24(4):183–5, Apr 76
Peers as human sexuality outreach educators in the campus community. Baldwin BA, et al. **J Am Coll Health Assoc** 24(5):290–3, Jun 76
A comprehensive overview of university waste control. Rosenhaft ME, et al. **J Am Coll Health Assoc** 23(5):333–9, Jun 75
Role vs. entry-level competencies in competency-based education. Bell CG. **J Am Diet Assoc** 69(2):133–7, Aug 76
Changing patterns of professional education in colleges and universities—1964 and 1974. Survey in the North Atlantic Region. Jordan GE. **J Am Diet Assoc** 68(5):434–40, MAY 76
EDP recipe adjustment by percentage method in a college foodservice system. Torrence BL, et al. **J Am Diet Assoc** 69(4):407–11, Oct 76
Attachment learning: a humanistic educational experience. Final practicum in a coordinated undergraduate program. Unklesbay N, et al. **J Am Diet Assoc** 67(5):449–54, Nov 75
Women graduates of Boston University's six-year combined liberal arts-medicine program. Lanzoni V, et al. **J Am Med Wom Assoc** 31(7):285–8, Jul 76
A survey of the use of on-line computer-based scientific search services by academic libraries. Marshall DB. **J Chem Inf Comput Sci** 15(4):247–9, Nov 75
Social attitudes and sexual behaviors of college students. Joe VC, et al. **J Consult Clin Psychol** 43(3):430, Jun 75
Editorial: College and the culture ego. Teuscher GW. **J Dent Child** 42(5):338–9, 374, Sep–Oct 75
Editorial: Federal intervention in universities. Abelson PH. **J Dent Educ** 40(2):71, Feb 76
The association of academic health centers. Morris AL. **J Dent Educ** 40(8):525–7, Aug 76
Federal support of biomedical sciences: development and academic impact. Shannon JA. **J Med Educ** 51(7 Pt 2):1–98, Jul 76
Cancer centers: their relationship to the academic community. Yarbro JW, et al. **J Med Educ** 51(6):487–95, Jun 76
Quest for uniqueness. What makes the Medical University of South Carolina different? Banov L Jr. **J SC Med Assoc** 72(1):23–4, Jan 76
Changes in authoritarianism associated with university residence in the Arab Middle East. Diab LN, et al. **J Soc Psychol** 97(Second Half):155–62, Dec 75
Primary care in a university occupational health service. Tucker PJ. **J Tenn Med Assoc** 68(8):621–3, Aug 75
Editorial: Medicine and the university. **Med J Aust** 1(3):41–2, 17 Jan 76
Letter: Medicine and the university. Haffernan M. **Med J Aust** 1(11):368, 13 Mar 76
Biomedical engineering at the Indian Institute of Technology (Madras)–I. Ghista DN. **Med Res Eng** 11(6):19–25, 1972
Medical engineering technology at the University of New Mexico. Williams RH. **Med Res Eng** 11(6):17–8, 1972
Unrest and the personal concerns of college students. Werner A, et al. **Ment Health Soc** 1(5–6):284–91, 1974
How the U of M Media Library can help you earn CME credits. Richards RK, et al. **Mich Med** 75(4):178–80, Apr 76
Continuing education in state universities. Adams AE. **Nurs Outlook** 24(5):294–7, May 76
The Open University. What is the OU? **Nurs Times** 72(36):1382, 9 Sep 76
The Open University; self-instruction in professional education. Lee CM. **Nurs Times** 72(36):1386–8, 9 Sep 76
The Open University. A student's point of view. Myer EM. **Nurs Times** 72(36):1384–6, 9 Sep 76
The Open University; opportunities for nurses. Strehlow MS. **Nurs Times** 72(36):1383, 9 Sep 76
Report on the work carried out by the 'Fede Valletta' Diagnosis and Early Treatment Centre and the Surgical Divison of the Department of Oncology, University of Turin, since their foundation in 1961. Badellino F. **Panminerva Med** 14(3):92, Mar 72
Relationship of drug involvement to dropping out of college. Kahn M, et al. **Psychol Rep** 37(3 PT 2):1095–8, Dec 75
Guidelines for the establishment of written agreements between colleges and clinical affiliates. Ramaeker L, et al. **Radiol Technol** 47(4):258–60, Jan–Feb 76
Institutional socialization and college sport. Stevenson CL. **Res Q Am Assoc Health Phys Educ** 47(1):1–8, Mar 76
A career study of medical graduates of the University of the Witwatersrand, 1925—1972. Beaton GR, et al. **S Afr Med J** 49(51):2131–9, 29 Nov 75
Rubella: pattern of outbreak in a university. Chretien JH, et al. **South Med J** 69(8):1042–4, Aug 76
Challenges for the university departments of surgery. Skinner DB. **Surg Clin North Am** 56(1):3–5, FEB 76
Society of University Surgeons. Presidential address. Ebert PA. **Surgery** 80(1):1–3, Jul 76
[Educational load and its consequences in students of 3 selected schools at Charles' University] Provazníková H, et al. **Cesk Zdrav** 24(5):218–23, May 76 (Eng. Abstr.) **(Cze)**
[Tromsø university—a challenge] Lomholt G. **Ugeskr Laeger** 138(18):1111–6, 26 Apr 76 (Eng. Abstr.) **(Dan)**
[Scientific research and the universities] Korhonen K. **Duodecim** 91(14–15):861–4, 1975 **(Fin)**
[Profile of the college and the health status of students] Belousov AZ, et al. **Aerztl Jugendkd** 66(3):228–31, Sep 75 **(Ger)**
[The necessity for health education of students in the light of a poll among dialectic cadres of the polytechnical college in Warsaw] Mandrowska I. **Aerztl Jugendkd** 66(3):276–8, Sep 75 **(Ger)**
[Experience in the training of dialectic cadres in university hygiene—demonstrated on the example of the polytechnical college in Warsaw] Mandrowska-Xinxo A. **Aerztl Jugendkd** 66(3):271–3, Sep 75 **(Ger)**
[Studies of illumination as a contribution to the hygienic analysis of living and study conditions in colleges] Muschter W, et al. **Aerztl Jugendkd** 66(3):261–4, Sep 75 **(Ger)**
[Health education at the Hungarian teacher's colleges] Pajor G. **Aerztl Jugendkd** 66(3):274–6, Sep 75 **(Ger)**
[Growth trends of college students in Czechoslovakia during 1951–1971] Prokopec M, et al. **Aerztl Jugendkd** 66(3):246–50, Sep 75 **(Ger)**
[Living conditions od a selected group of college students] Provazníková H, et al. **Aerztl Jugendkd** 66(3):258–60, Sep 75 **(Ger)**
[Spare time of college students] Vančurová E, et al. **Aerztl Jugendkd** 66(3):251–3, Sep 75 **(Ger)**
[Payment of fees for the use of facilities by medical-school teachers] Rieger HJ. **Dtsch Med Wochenschr** 100(45):2363–5, 7 Nov 75 **(Ger)**
[A study of the risk of tuberculous infection in the student population of Göttingen University 1955–1985 (author's transl)] Hoefer W. **Prax Pneumol** 30(4):230–4, Apr 76 (Eng. Abstr.) **(Ger)**
[The continuity of the health policy of the working class and its party as a prerequisite for a continuous development of medical science in the service of the health of the DDR citzens and the contribution of our medical faculty to its enforcement] Renker K. **Z Gesamte Hyg** 21(12):908–12, 1975 (Eng. Abstr.) **(Ger)**
[Current problems of hygiene in colleges] Sarkisjan EE, et al. **Z Gesamte Hyg** 20(12):903–4, Dec 74 (Eng. Abstr.) **(Ger)**
[Better use of the capacity of universities. 5th plan for university building] **Zahnaerztl Mitt** 66(1):134, 1 Feb 76 **(Ger)**
[University and society] Schmidt H. **Zahnaerztl Mitt** 65(22):1044–8, 16 Nov 75 **(Ger)**
[Awarding of the honorary degrees at the University of Turin] **Minerva Med** 67(13):789–90, 17 Mar 76 **(Ita)**
[Role of each component of the regional medical system and its future – research institutions (Universities and laboratories)] Okajima M. **Jpn J Clin Med** 33(8):2509–15, 10 Aug 75 **(Jpn)**
[Planned dental treatment of university students in Gdansk in the years 1970–1973] Jacennik B, et al. **Czas Stomatol** 28(8):817–20, Aug 75 (Eng. Abstr.) **(Pol)**
[The planning of higher or university education and the concept of politics, strategy and planning] Andrade J, et al. **Educ Med Salud** 10(1):42–54, 1976 (Eng. Abstr.) **(Spa)**

HISTORY

The contribution to psychiatry by Padua university. Bonuzzi L. **Br J Psychiatry** 128:223–5, Mar 76
M. et Sig: a history of pharmacology at Kansas University. Nelson SR, et al. **J Kans Med Soc** 77(7):339–43, 351, Jul 76
Department of anatomy: University of Kansas and University of Kansas Medical Center. Sterrett PR. **J Kans Med Soc** 77(7):324–34, Jul 76
Twenty-five years of amalgamation of psychiatry with obstetrics—gynecology at the University of Minnesota. Bernstein IC, et al. **Minn Med** 59(5):341–6, May 76
UCSF the second century. Medical administration from the perspective of a practicing otologist. Sooy FA. **Trans Pac Coast Otoophthalmol Soc** 55:1–5, 1974 (Eng. Abstr.)
[30th anniversary of the foundation of the Charles' University Medical School in Hradec Králové] Navrátil P. **Cas Lek Cesk** 114(52):1605–7, 26 Dec 75 **(Cze)**
[30 years of sport medicine at the School for General Medicine of the Charles' University in Prague] Novotný V, et al. **Cas Lek Cesk** 114(30):913–6, 25 Jul 75 **(Cze)**
[30-years of Charles' University Medical School in Pilsen] Suva J. **Cas Lek Cesk** 114(36):1097–9, 5 Sep 75 **(Cze)**
[30-years in the development of physiological centers in Bohemia and Moravia since 1945] **Cesk Fysiol** 24(5):385–402, 1975 **(Cze, Slo)**
[2 important anniversaries at Olomouc] Slavětínský M. **Vnitr Lek** 21(11):1130–1, Nov 75 **(Cze)**
[Incorporation of the University of Montreal] **Union Med Can** 104(2):280–8, Feb 75 **(Fre)**
[Early forms of orthopedic thinking and orthopedic methods in the 1st 120 years of the Halle University (Saale). (II). Christian Gottlieb Kratzenstein (1723–1795)] Tautz P. **Beitr Orthop Traumatol** 22(10):586–91, Oct 75 **(Ger)**
[The hygiene institute at the university of graz] Möse JR. **Wien Med Wochenschr** 126(8–9):110–3, 27 Feb 76 **(Ger)**
[Development of social medicine at the Charité] Winter K. **Z Aerztl Fortbild (Jena)** 69(9):461–5, 1 May 75 **(Ger)**
[Elaboration of the studies on blood circulation at the Paduan University in the 16th and 17th centuries] Condorelli L. **Boll Soc Ital Cardiol** 18(7):583–96, 1973 **(Ita)**
[Advances made in endocrinology during the 25 years of the Medical Academy in Poznań] Gembicki M. **Endokrynol Pol** 26(5):465–9, Sep–Oct 75 **(Pol)**
[100th anniversary of the Kazan University Department of Physiology] Zefirov LN, et al. **Fiziol Zh SSSR** 62(7):1094–5, Jul 76 **(Rus)**
[50th anniversary of the Department of Microbiology, Moscow State University] Egorov NS, et al. **Mikrobiologiia** 44(3):572–4, May–Jun 75 **(Rus)**
[From the history of the struggle of students of the medical faculty of Moscow University against reaction in the years 1910–1916] Aleksandrovskiĭ BN. **Sov Zdravookhr** (11):73–5, 1975 **(Rus)**
[1949–1974: The 25th anniversary of the Cyril and Metod

UNIVERSITIES

University in Skopje] Perčinkovski R. **God Zb Med Fak Skopje** 20:3–4, 1974 **(Ser)**

MANPOWER

Women and discrimination in academe. Sandler B. **Fed Proc** 35(11):2232–7, Sep 76

UNIVERSITY HEALTH SERVICES see under **STUDENT HEALTH SERVICES**

UNIVERSITY HOSPITALS see under **HOSPITALS, TEACHING**

UPHILL TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

UPPER RESPIRATORY INFECTIONS see **RESPIRATORY TRACT INFECTIONS**

URACHUS

Carcinoma of the urachus. Han SY, et al. **Am J Roentgenol** 127(2):351–3, Aug 76

Pseudopersistent urachus in a baby walrus. Cornell LH, et al. **J Am Vet Med Assoc** 167(7):548–9, 1 Oct 75

Carcinoma of the urachus: its demonstration by pelvic pneumography. Stern WZ, et al. **J Urol** 115(3):338, Mar 76

[Diseases of the urachus] Derevianko IM. **Urol Nefrol (Mosk)** (3):62–3, May–Jun 75 **(Rus)**

ABNORMALITIES

[Urachus malformations in child- and adulthood—diagnostic and therapeutic indications] Krauss J, et al. **Z Aerztl Fortbild (Jena)** 69(11):601–3, 1 Jun 75 **(Ger)**

URACIL

The effect of thioketo substitution on uracil–2–aminopurine and uracil–2, 6–diaminopurine interactions in polynucleotides. Janion C, et al. **Biochim Biophys Acta** 432(2):192–8, 3 May 76

Reaction of uracil and thymine derivatives with sodium bisulfite. Studies on the mechanism and reduction of the adduct. Shapiro R, et al. **Biochim Biophys Acta** 425(1):115–24, 18 Feb 76

The crystal structure of a uracil–acetone photoaddition product. Stein MT, et al. **Biochim Biophys Acta** 407(4):377–83, 4 Nov 75

Metal ion interaction with nucleic acid bases: interaction of magnesium ion with uracil. Nanda RK, et al. **Indian J Biochem Biophys** 11(4):336–8, Dec 74

Uracil and its interaction with silver ion in aqueous alkaline media. DeMember JR, et al. **J Am Chem Soc** 97(21):6240–5, 15 Oct 75

Letter: Fluorine control of regioselectivity in photocycloaddition reactions. The direct functionalization of uracil via a novel 1,4–fragmentation. Wexler A, et al. **J Am Chem Soc** 98(6):1602–4, 17 Mar 76

Interactions of adenine, thymine, and uracil with epinephrine: UV studies. Al–Obeidi F, et al. **J Pharm Sci** 65(7):982–5, Jul 76

Interactions of nucleic acid bases with catechol: UV studies. Al–Obeidi FA, et al. **J Pharm Sci** 65(6):892–5, Jun 76

Tritium labelling of nucleic acids accompanied by conversion of cytosine to uracil. Scheinker VS. **Nucleic Acids Res** 3(3):809–16, Mar 76

On the possibility of excimer state formation in homodimers of the pyrimidine bases. Shulga SM, et al. **Nucleic Acids Res** 3(4):1095–9, Apr 76

Studies on thymine and uracil triplet excited state in acetonitrile and water. Salet C, et al. **Photochem Photobiol** 22(6):231–5, Dec 75

[A theoretical analysis of the binding of methyl derivatives of uracil at the contact portion of the active center of ribonuclease S] Lipkind GM, et al. **Mol Biol (Mosk)** 10(2):395–403, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

The effect of microorganisms on phytotoxicity of herbicides. III. Interaction of Bacillus sp. 72 with Venzar. Balicka N, et al. **Acta Microbiol Pol [B]** 7(3):151–6, 1975

Multiplicity reactivation of 5–iodouracil–substituted, nonviable bacteriophage T4td8. Byrd DM, et al. **Antimicrob Agents Chemother** 8(5):558–63, Nov 75

Metabolism of terbacil in orange seedlings. Jordan LS, et al. **Arch Environ Contam Toxicol** 3(3):268–77, 1975

Polynucleotide analogs: acrylic acid and maleic acid copolymers of 1–vinyluracil and 9–vinyladenine. Olson PE, et al. **Biochemistry** 14(22):4892–6, 4 Nov 75

Osmometric studies on self–association of pyrimidines in aqueous solutions: evidence for involvement of hydrophobic interactions. Plesiewicz E, et al. **Biophys Chem** 4(2):131–41, Mar 76

Base pairing of adenine and uracil derivatives in the presence of water. D'Albis A, et al. **Biopolymers** 14(7):1423–35, Jul 75

Effects of Poly(1–vinyluracil) and Poly(9–vinyladenine) on viral RNA–directed DNA polymerase. Pitha J. **Cancer Res** 36(4):1273–7, Apr 76

The effect of 5–iodouracil on the growth and biosynthetic processes of bacteriophage T4td8 in the absence of light. Byrd DM, et al. **Chem Biol Interact** 12(2):197–210, Feb 76

On the mode of action of 5–diazouracil on bacterial cell division. Coates DA, et al. **Chem Biol Interact** 12(2):121–34, Feb 76

Mechanism of mitotic synchronization induced by 5–aminouracil. Díez JL, et al. **Exp Cell Res** 98(1):79–89, 1 Mar 76

The rates of electron transfer from ClUra– and ClUraH–to p–nitroacetophenone. Bur JG, et al. **Int J Radiat Biol** 29(5):433–8, May 76

Intramolecular hydrogen bonding and acidities of nucleoside sugar hydroxyls. Crystal structure and conformation of O2,2'–anhydro–1–alpha–D–xylofuranosyluracil. Birnbaum GI, et al. **J Am Chem Soc** 98(15):4640–4, 21 Jul 76

Photoelectron spectroscopy of carbonyls. Ureas, uracils, and thymine 1,2. Dougherty D, et al. **J Am Chem Soc** 98(13):3815–20, 23 Jun 76

A kinetic study of the dehalogenation of 5–chloro–,5–bromo–, and 5–iodouracil in aqueous solutions of sodium bisulfite1,2. Rork GS, et al. **J Am Chem Soc** 97(19):5559–65, 17 Sep 75

A kinetic study of the dehalogenation of 5–halo–5,6–dihydrouracils in aqueous solutions of sodium bisulfite1. Rork GS, et al. **J Am Chem Soc** 97(19):5566–72, 17 Sep 75

Effect of deoxyribonucleic acid replication inhibitors on bacterial recombination. Canosi U, et al. **J Bacteriol** 126(1):108–21, Apr 76

A new synthesis of pyrimido(4,5–e)–as–triazine 4–oxides by nitrosative cyclization of aldehyde uracil–6–ylhydrazones in the presence of diethyl azodiformate. Yoneda F, et al. **J Chem Soc [Perkin I]** (7):713–5, 1976

Reaction of 6–amino–1,3–dimethyl–5–nitrosouracil with thiols. Youssefyeh RD. **J Chem Soc [Perkin I]** (19):1857–9, 1975

Synthesis of 5–substituted aminomethyluracils via the Mannich reaction. Delia TJ, et al. **J Med Chem** 19(2):344–6, Feb 76

Synthesis and anticancer activity of 5–diethylaminomethyl derivatives and nitrogen mustards of uracil and 2–thiouracils. Fabrissin S, et al. **J Med Chem** 19(5):639–42, May 76

Inhibition of separated forms of phosphodiesterases from pig coronary arteries by uracils and by 7–substituted derivatives of 1–methyl–3–isobutylxanthine. Garst JE, et al. **J Med Chem** 19(4):499–503, Apr 76

Synthesis of 5–substituted uracil derivatives. Ressner EC, et al. **J Med Chem** 19(1):194–6, Jan 76

Crystal structure of an inhibitor and a model for inhibition ot replicative DNA synthesis. Coulter CL, et al. **J Mol Biol** 91(3):329–44, 25 Jan 75

Reaction of 5–diazouracils with pyridines. Keen BT, et al. **J Org Chem** 40(25):3717–20, 12 Dec 75

A general synthesis of N–glycosides. 6. On the mechanism of the stannic chloride catalyzed silyl Hilbert–Johnson reaction. Niedballa U, et al. **J Org Chem** 41(12):2084–6, 11 Jun 76

Pseudonucleoside analogs. Synthesis and spectral properties of 5–(cis–3–hydroxymethylcyclopentane)uracil, a carbocyclic analog of 2',3'–dideoxypseudouridine. Playtis AJ, et al. **J Org Chem** 40(17):2488–95, 22 Aug 75

Letter: Nucleic acid related compounds. 19. Concerning the mechanism of formation of '2,3'–imino–1–(beta–D–lyxofuranosyl) uracil' (2–amino–1–(3–deoxy–beta–D–lyxofuranosyl)–4–pyrimidin leads to 3'–anhydronucleoside) from O2 leads to 2' cyclonucleosides and 'ammonium azide'. Robins MJ, et al. **J Org Chem** 41(10):1886–7, 14 May 76

A convenient synthesis of 2,3'–imino–1–(beta–D–lyosfuranosyl)uracil and its derivatives using azide ion. Sasaki T, et al. **J Org Chem** 40(24):3498–3502, 28 Nov 75

Ring contractions of 5–diazouracils. I. Conversions of 5–diazouracils into 1,2,3–triazoles by hydrolysis and methanolysis. Thurber TC, et al. **J Org Chem** 41(6):1041–57, 19 Mar 76

Reaction of 4,5–diamino–1,3–dimethyluracil with diketones. Wawzonek S. **J Org Chem** 41(2):310–3, 23 Jan 76

Effects of poly(9–vinyladenine) and poly(1–vinyluracil) on messenger ribonucleic acid template activity. Reynolds FH Jr, et al. **Mol Pharmacol** 11(6):708–15, Nov 75

ESR of hydrogen addition radicals in single crystals of 1–methylcytosine and 1–methyluracil. Bernhard WA, et al. **Radiat Res** 66(2):189–98, May 76

Histology of chemically induced mesotheliomas in MRC–Wistar rats. Pelfrene A, et al. **Tumori** 61(6):509–15, Nov–Dec 75

[The analgesic effects of tetrazolo–(5,4–a)–6–methyluracil and tetrazolo(5,4–a)–6–propyluracil] Todorov D, et al. **Eksp Med Morfol** 12(2):100–6, 1973 (Eng. Abstr.) **(Bul)**

[Identification of two S–containing metabolites of 1–allyl–3,5–diethyl–6–chlorouracil in rabbit urine (author's transl)] Kaul R, et al. **Arzneim Forsch** 26(4):489–99, Apr 76 (Eng. Abstr.) **(Ger)**

[Pyrimidine derivatives and related compounds. XXVIII. Synthesis of 6–cyanouracil derivatives (author's transl)] Senda S, et al. **J Pharm Soc Jpn** 95(10):1250–4, Oct 75 (Eng. Abstr.) **(Jpn)**

[Effect of gentamicin and pentoxyl on the immunological reactivity of the body in the treatment of sepsis caused by Ps. aeruginosa] Alekseev AM. **Antibiotiki** 21(4):358–61, Apr 76 (Eng. Abstr.) **(Rus)**

[Stimulating role of methyluracil in tendon regeneration] Rozovskaia TP, et al. **Ortop Travmatol Protez** (11):47–8, Nov 75 **(Rus)**

[Oxiferriscarbon and methyluracil in the complex treatment of stomach ulcers Korzhukova PI, et al. **Ter Arkh** 47(5):113–6, 1975 (Eng. Abstr.) **(Rus)**

[Immediate results of the treatment of patients with infectious forms of syphilis by the continuous method with penicillin preparations in combination with methyluracil and pentoxyl] Vasil'ev TV, et al. **Vestn Dermatol Venerol** (2):84–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Treatment of peptic ulcer with methyluracil] Agapova EN, et al. **Vrach Delo** (1):74–6, Jan 74 (Eng. Abstr.) **(Rus)**

[Experimental basis of pentoxyl therapy of chemical burns of the esophagus] Iaroslavtsev AK. **Zh Ushn Nos Gorl Bolezn** (4):14–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Spectroscopic evidence for the uneven distribution of adenine and uracil residues in ribosomal ribonucleic acid of Drosophila melanogaster and of Plasmodium knowlesi and its possible evolutionary significance. Cox RA, et al. **Biochem J** 155(3):465–75, 1 Jun 76

Letter: Uracil in transfer factor. Krohn KJ, et al. **Lancet** 2(7946):1209, 13 Dec 75

BLOOD

Proceedings: Serum uracil + uridine levels in normal subjects. Parry TE, et al. **Arch Dis Child** 50(8):667, Aug 75

CHEMICAL SYNTHESIS

Possible pathway for prebiotic uracil synthesis by photodehydrogenation. Chittenden GJ, et al. **Nature** 263(5575):350–1, 23 Sep 76

METABOLISM

Dependency of spermidine stimulation of polypeptide synthesis on the uracil content of messenger ribonucleic acid. Igarashi K, et al. **Biochem Biophys Res Commun** 67(1):407–13, 3 Nov 75

Regulation of uracil uptake in Escherichia coli by adenosine 3',5'–monophosphate. De Robertis EM Jr, et al. **Biochim Biophys Acta** 426(3):451–63, 19 Mar 76

Letter: Magnetic resonance spectroscopy on carbon–13 labeled uracil in transfer ribonucleic acid. Hamill WD Jr, et al. **J Am Chem Soc** 98(5):1276–3, 3 Mar 76

Depression of uracil uptake by ammonium in Neurospora crassa. Magill JM, et al. **J Bacteriol** 127(3):1265–9, Sep 76

Isolation and initial characterization of a uracil auxotroph of the blue–green alga Anacystis nidulans. Stevens CL, et al. **J Bacteriol** 124(1):247–51, Oct 75

Transport of purines and deoxyadenosine in Escherichia coli. Roy–Burman S, et al. **J Biol Chem** 250(24):9270–5, 25 Dec 75

Uracil and pyruvate requirements of anaerobic growth of staphylococci. Evans JB. **J Clin Microbiol** 2(1):14–7, Jul 75

PHARMACODYNAMICS

Mechanims of stimulation of in vitro protein synthesis by some copolymers of styrene, vinyluracil, and vinyladenine with maleic acid and acrylic acid. Boguslawski S, et al. **Biochemistry** 15(16):3536–40, 10 Aug 76

RADIATION EFFECTS

E.s.r. studies of sulphur–substituted pyrimidines. 2–thio–5–carboxyuracil at 77 K. Bergene R, et al. **Int J Radiat Biol** 28(2):137–46, Aug 75

Radical formation in salts of pyrimidines. I. 1–methyluracil. HBr crystals. Flossmann W, et al. **Int J Radiat Biol** 28(2):105–15, Aug 75

E.s.r. studies of halogenated pyrimidines in gamma–irradiated alkaline glasses. Simpson LD, et al. **Int J Radiat Biol** 28(5):461–75, Nov 75

Sensitization of thymine and uracil to ionizing radiation by p–nitroacetophenone. Varghese AJ. **Int J Radiat Biol** 28(5):477–84, Nov 75

URACIL NUCLEOTIDES

Thymidylate synthetase catalyzed dehalogenation of 5–bromo–and 5–iodo–2'–deoxyuridylate. Wataya Y, et al. **Biochem Biophys Res Commun** 67(2):818–23, 17 Nov 75

Affinity labeling of Escherichia coli DNA–dependent RNA polymerase with 5–formyl–1–(alpha–D–ribofuranosyl)uracil 5'–triphosphate. Armstrong VW, et al. **Biochemistry** 15(10):2086–91, 18 May 76

Manganese (II) And spin–labeled uridine 5'–diphosphate binding to bovine galactosyltransferase. Berliner LJ, et al. **Biochemistry** 14(22):4977–82, 4 Nov 75

The effect of Raney nickel on the covalent thymidylate synthetase–5–fluoro–2'–deoxyuridylate–5,10–methylenetetr complex. Danenberg PV, et al. **Biochemistry** 15(6):1331–7, 23 Mar 76

Methylation and ethylation of uridylic acid and thymidylic acid. Reactivity of the ring and phosphate as a function of pH and alkyl group. Singer B. **Biochemistry** 14(20):4353–7, 7 Oct 75

Photochemical cross–linking of neighboring residues in protein–nucleic acid complexes: rnase and pyrimidine

nucleotide inhibitors. Sperling J, et al. **Biochemistry** 15(7):1489–95, 6 Apr 76

Interaction of uridine and cytidine monophosphates with ribonuclease A. IV. Phosphorus-31 nuclear magnetic resonance studies. Gorenstein DG, et al. **J Am Chem Soc** 98(8):2308–14, 14 Apr 76

An uncommon nucleotide conformation shown by molecular structure of deoxyuridine-5'-phosphate and nucleic acid stereochemistry. Viswamitra MA, et al. **Nature** 258(5535):542–4, 11 Dec 75

[Proceedings: Theoretical study on molecular conformation of 6-azauridine-5'-monophosphate] Knappenberg M, et al. **Arch Int Physiol Biochim** 83(2):378–9, May 75 **(Fre)**

[Theoretical conformational analysis or uridine-2',3'-cyclophosphate and its noncovalent complex with ribonuclease S] Lipkind GM, et al. **Dokl Akad Nauk SSSR** 224(5):1212–5, 11 Oct 75 **(Rus)**

ANALYSIS

Separation of 5'-mono-, di- and triphosphates of 1-beta-D-arabinofuranosylcytosine and of 1-beta-D-arabinofuranosyluracil by thin-layer and high pressure liquid chromatography. Kreis W, et al. **J Chromatogr Sci** 14(7):331–3, Jul 76

5'-terminal structure of poliovirus polyribosomal RNA is pUp. Hewlett MJ, et al. **Proc Natl Acad Sci USA** 73(2):327–30, Feb 76

BIOSYNTHESIS

[Inhibition of uridylic nucleotide biosynthesis from uracil in rat tissues varying in radiosensitivity at early stages of radiation sickness] Atabekov AIu, et al. **Radiobiologiia** 15(3):331–5, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Influence of prolonged gamma-irradiation of rats on the biosynthesis of pyrimidine ribonucleotides] Koshcheenko NN, et al. **Radiobiologiia** 15(5):651–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Polynecleotides. XXX. Synthesis and properties of oligonucleotides of cyclouridine phosphate. Hybridization with the oligomer of S-cycloadenosine phosphate to form left-handed helical complexes. Uesugi S, et al. **J Am Chem Soc** 98(4):969–73, 18 Feb 76

Synthetic inhibitors of Escherichia coli, calf thymus, and Ehrlich ascites tumor thymidylate synthetase. Kampf A, et al. **J Med Chem** 19(7):903–8, Jul 76

DEFICIENCY

Increased serum urate in galactosemia patients after a galactose load: a possible role of nucleotide deficiency in galactosemic liver injury. Forster J, et al. **Klin Wochenschr** 53(24):1169–70, 15 Dec 75

IMMUNOLOGY

Immunochemical characterization of the anti-RNA antibodies found in scleroderma and systemic lupus erythematosus. II. Reactivity with hsa-coupled, uridine-containing, monophosphoric ribodinucleotides. Alarcón-Segovia D, et al. **Immunology** 30(3):413–8, Mar 76

METABOLISM

On the structure of the cofactor in the complex formed with thymidylate synthetase, 5,10-methylenetetrahy-drofolate and 5-fluoro-2'-deoxyuridylate. Santi DV, et al. **Biochim Biophys Acta** 438(1):324–31, 7 Jun 76

The relationship between the turnover of UTP and RNA synthesis in cultured cells treated with aflatoxin B1. Clifford JI, et al. **Chem Biol Interact** 13(2):165–71, May 76

Studies on the female-sterile mutant rudimentary of Drosophila melanogaster. I. An analysis of the rudimentary wing phenotype. Fausto-Sterling A, et al. **Dev Biol** 51(2):269–81, 15 Jul 76

The use of mercurated nucleoside triphosphate as a probe in transcription studies in vitro. Beebee TJ, et al. **Eur J Biochem** 66(3):543–50, 15 Jul 76

Separate pyrimidine-nucleotide pools for messenger-RNA and ribosomal-RNA synthesis in HeLa S3 cells. Wiegers U, et al. **Eur J Biochem** 64(2):535–40, 1 May 76

Presence of a specific uridine 5'-monophosphate pyrophosphorylase in baker's yeast. Natalini P, et al. **Experientia** 31(9):1008–10, 15 SEP 75

Bromodeoxyuridine 5'-monophosphate incorporation into yeast nuclear and mitochondrial deoxyribonucleic acid. Leff J, et al. **J Bacteriol** 127(1):354–61, Jul 76

Biochemical determinants of 5-fluorouracil response in vivo. The role of deoxyuridylate pool expansion. Myers CE, et al. **J Clin Invest** 56(5):1231–8, Nov 75

Effect of polyamines on the uptake of poly (2'-fluoro-2'-deoxyuridylic acid) by a mammalian cell line. Janik B, et al. **J Supramol Struct** 4(4):475–80, 1976

The role of cell membrane in the antiviral effect of interferon. Pitha PM, et al. **J Supramol Struct** 4(4):467–73, 1976

Nucleotide incorporation into acid-insoluble fraction of triton X-100 treated rabbit blood platelets. Fujita T, et al. **Thromb Res** 7(3):409–16, Sep 75

[The concentration of guanosine and uridine acid-soluble nucleotides in the liver of gamma rays irradiated chick embryos and chickens] Drianovski P, et al. **Vet Med Nauki** 11(9):44–9, 1974 (Eng. Abstr.) **(Bul)**

[Metabolism of uridine triphosphate in rat live.] Horbach AV, et al. **Ukr Biokhim Zh** 47(6):757–9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Thymidylate synthetase: studies on peptide containing covalently bound 5-fluoro-2'-deoxyuridylate and 5,10-methylenetetrahydrofolate. Pogolotti AL Jr, et al. **Biochem Biophys Res Commun** 70(3):972–8, 7 Jun 76

Effects of uridine nucleotides and nucleotide pyrophosphatase on glycolipid alpha and beta-N-acetylgalactosaminyltransferase activities in guinea pig microsomes. Ishibashi T, et al. **Biochim Biophys Acta** 429(3):759–67, 13 May 76

Regulation of rat-liver glycoprotein: N-acetylneuraminic acid transferase activity by pyrimidine nucleotides. Bernacki RJ. **Eur J Biochem** 58(2):477–81, 15 Oct 75

Studies on sucrose phosphate synthetase: reversal of UDP inhibition by divalent ions. Salerno GL, et al. **FEBS Lett** 64(2):415–8, 1 May 76

Comparison of the side-dependent effects of Na and K on orthophosphate-, UTP-, and ATP-promoted ouabain binding to reconstituted human red blood cell ghosts. Bodemann HH, et al. **J Gen Physiol** 67(5):527–45, May 76

Influence of uridine-5-monophosphate on 3H-leucine incorporation into hippocampal neurons during learning. Pohle W, et al. **Pharmacol Biochem Behav** 4(3):225–9, Mar 76

[Specific chemical modification of ribosomes in the vicinity of their mRNA-binding center] Budker VG, et al. **Mol Biol (Mosk)** 10(2):340–6, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

URANIUM

Size distribution of radon daughter particles in uranium mine atmospheres. George AC, et al. **Am Ind Hyg Assoc J** 36(6):484–90, Jun 75

Suggested reduction of permissible exposure to plutonium and other transuranium elements. Morgan KZ. **Am Ind Hyg Assoc J** 36(8):567–75, Aug 75

Effect of UO2+2 and PtCl2-4 ions on the structure and function of ribonuclease A. Marzotto A. **Chem Biol Interact** 14(3-4):383–91, Aug 76

Cytochemical studies on RNP complexes produced by puff 2-48BC in Drosophila hydei: uranyl acetate and phosphotungstic acid staining. Derksen J, et al. **Chromosoma** 55(1):57–68, 31 Mar 76

Prediction of increased gamma fields after application of a radon barrier on concrete surfaces. Culot MV, et al. **Health Phys** 30(6):471–8, Jun 76

Lung cancer in uranium miners and long-term exposure to radon daughter products. Sevc J, et al. **Health Phys** 30(6):433–7, Jun 76

Uranyl-EDTA-hematoxylin: a new selective staining technique for nucleolar material. Stockert JC. **Histochemistry** 43(4):313–22, 9 Jun 75

Uranium handling at the Oak Ridge Gaseous Diffusion Plant. pp. 186–94. Bailey JC.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Occupational radiation exposure experience. Paducah Gaseous Diffusion Plant. pp. 387–400. Baker RC.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Metabolism and effects of uranium in animals. pp. 68–129. Durbin PW, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975. (76 ref.)

Early occupational exposure experience with uranium processing. pp. 9–24. Eisenbud M.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Isotopic composition and radiological properties of uranium in selected fuel cycles. pp. 36–64. Fleischman RM, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Occupational health aspects of a fluoride volatility process. pp. 168–84. Freeman EJ.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Occupational health experience with a contractor uranium refinery. pp. 148–59. Heatherton RC.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Origin and basis of present standards for uranium. pp. 26–34. Hursh JB.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

A review of the Bell study. pp. 257–61. Marks S.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

The role of particle size in the evaluation of uranium hazards. pp. 402–18. Mercer TT.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Nuclear Regulatory Commission occupational exposure experience at uranium plants. pp. 206–14. Metzger JR.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

A statistical summary of ERDA contractors' internal enriched uranium exposure experience 1957–1974. pp. 215–24. Ross DM, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Industrial fuel fabrication operation. pp. 196–203. Sanders CF, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Analysis of long-term data on uranium in air at Y-12. pp. 365–86. Sanders M.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Considerations in developing a work place standard for sampling airborne uranium. pp. 420–35. Schwendiman LC, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Health experience in industrial uranium refining operations. pp. 161–6. Sinke GJ, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

The inhalation of uranium ores. pp. 130–9. Stuart BO, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Occupational health experience with uranium in ore processing mills. pp. 142–6. Wilde RM.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

On the evaluation of Po-210 bioassay for uranium mine workers in Japan for the personal exposure index to radon daughters. Okabayashi H, et al. **J Radiat Res (Tokyo)** 16(2):142–51, Jun 75

Masking of pleomorphic glycogen sites by methanolic uranyl acetate. Bhatnagar R, et al. **Stain Technol** 50(4):213–7, Jul 75

[Polonium 210 excreted in urine of the workers in a uranium mine (author's transl)] Ohira M, et al. **Jpn J Hyg** 30(5):556–61, Dec 75 (Eng. Abstr.) **(Jpn)**

[Genetic effects induced in populations by the radioactive products from U235 nuclear fission. I. Mutational process in Chlorella vulgaris populations during prolonged exposure to U235 nuclear fission products] Shevhcenko VA, et al. **Genetika** 10(2):106–14, Feb 74 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Lens opacities in uranium miners] France A. **Cesk Oftalmol** 31(5):340–4, Sep 75 (Eng. Abstr.) **(Cze)**

ANALYSIS

Determination of suspended and dissolved uranium in water. Fleischer RL, et al. **Anal Chem** 48(4):642–5, Apr 76

Semi-quantitative determination of uranium, plutonium, and americium in sea water. Hodge VF, et al. **Anal Chem** 47(11):1866–8, Sep 75

Letter: Natural radioactivity in ilmenite aggregates. Gesell TF, et al. **Health Phys** 29(2):354, Aug 75

Uranium in the tissue of occupationally exposed workers. pp. 324–50. Campbell EE, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Uranium in vivo spectrometry. pp. 264–96. Scott LM, et al.
In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

[A method of assessing the content of natural radioactive isotopes of the uranium and thorium in drinking water and food] Mordberg EL, et al. **Gig Sanit** (6):52–5, Jun 75 **(Rus)**

[Uranium content in human hair as an index of sex identification. I] Petrosian NG, et al. **Sud Med Ekspert** 18(4):22–4, Oct-Dec 75 **(Rus)**

DIAGNOSTIC USE

[Uranylacetate for the removal of proteins in the determination of blood sugar in newborn infants] Miksch R, et al. **Paediatr Grenzgeb** 15(2):55–8, 1976 **(Ger)**

ISOLATION & PURIFICATION

[Ferrous ion oxidation and uranium solubilization from a lowgrade ore by 'Thiobacillus ferrooxidans' (author's transl)] Guay R, et al. **Ann Microbiol (Paris)** 126(2):209–19, Sep 75 (Eng. Abstr.)

METABOLISM

Intramuscular retention of UO3 and UO2. Beiter H, et al. **Health Phys** 29(2):273–7, Aug 75

[Effectiveness of using aminoalkylphosphonic acids to remove uranium from the body] Ivannikov AT. **Gig Tr Prof Zabol** (5):45–7, May 75 **(Rus)**

PHARMACODYNAMICS

Heavy metal-induced alterations in ion transport by turtle urinary bladder. Schwartz JH, et al. **Am J Physiol** 230(6):1582–9, Jun 76

Sugar-induced potential difference and short circuit current in bullfrog small intestine: effect of UO22+. Armstrong WM, et al. **Proc Soc Exp Biol Med** 152(1):11–5, May 76

Effect of uranyl acetate on microbial fixation of nitrogen in presence of lanthanum sulphate. Bahadur K, et al. **Zentralbl Bakteriol [Naturwiss]** 131(2):157–62, 1976

[Effect of uranium on iodine metabolic kinetics in the thyroid gland (short-term intervals)] Malenchenko AF, et al. **Farmakol Toksikol** 38(3):328–31, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Biological action of uranium and uranous oxides via chronic inhalatory uptake] Galibin GP. **Gig Sanit** (2):41–6, Feb 75 (Eng. Abstr.) **(Rus)**

POISONING

[The functional state of the thyroid gland in rats with uranium poisoning] Malenchenko AF, et al. **Eksp Med Morfol** 13(3):148–53, 1974 (Eng. Abstr.) **(Bul)**

TOXICITY

Potential hazards of uranium and its compounds in electron microscopy: a brief review. Darley JJ, et al. **J Microsc (Oxf)** 106(1):85–6, Jan 76

URINE

A review of uranium excretion and clinical urinalysis data in accidental exposure cases. pp. 226–43. Boback MW.

In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

Uranium in man based on urinary excretion data. pp. 297–322. Heid KR, et al.

In: Conference on occupational health experience with uranium. Washington, D.C., U.S. Energy Research & Development Administration, 1976. WA 470 C75c 1975.

URANYL NITRATE see under URANIUM

URATE OXIDASE

Potentiometric enzyme electrode for uric acid. Kawashima T, et al. **Anal Chim Acta** 83(1):9–17, May 76

[Automatic dosage of uric acid by urate oxydase. Comparison with Praetorius' methods] Pollet J, et al. **Ann Biol Clin (Paris)** 33(2):75–80, 1975 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

[The characteristics of uricase production by a Hyphomycetes isolated from the excrements of Cettia diphone cantans. I. Acceleration of uricase formation by high salt concentrations and zinc salts (author's transl)] Kon Y, et al. **J Pharm Soc Jpn** 96(1):66–70, Jan 76 (Eng. Abstr.) **(Jpn)**

[The characteristics of uricase production by a Hyphomycetes isolated form the excrements of Cettia diphone cantans. II. The effectiveness of purines and pyrimidines as substrates (author's transl)] Kon Y, et al. **J Pharm Soc Jpn** 96(3):277–83, Mar 76 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

[A mechanized enzymic method for the determination of uric acid (author's transl)] Hunziker P, et al. **Z Klin Chem Klin Biochem** 13(3):89–96, Mar 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antigenic independence of some microbial urate oxidases. Fitzpatrick DA, et al. **Infect Immun** 12(6):1237–41, Dec 75

METABOLISM

Preparation and kinetic properties of gel entrapped urate oxidase. Hinberg I, et al. **Biotechnol Bioeng** 17(10):1435–41, Oct 75

Urate oxidase and xanthine dehydrogenase activities in liver extracts from fish caught in Irish waters. Cleare WF, et al. **Comp Biochem Physiol [B]** 54(1):117–9, 1976

Mitochondria and peroxisomes from the cellular slime mould Dictyostelium discoideum. Isolation techniques and urate oxidase association with peroxisomes. Parish RW. **Eur J Biochem** 58(2):523–31, 15 Oct 75

Studies on peroxisomes. VI. Relationship between the peroxisomal core and urate oxidase. Hayashi H, et al. **J Biochem (Tokyo)** 79(5):1029–34, May 76

Stereospecificity of conversion of uric acid into allantoic acid by enzymes of Canadida utilis. Okumura I, et al. **J Biochem (Tokyo)** 79(5):1013–9, May 76

Enzymatic degradation of uric acid by uricase-loaded human erythrocytes. Ihler G, et al. **J Clin Invest** 56(3):595–602, Sep 75

[In-vitro study of factors modifying the activity of urate oxidase] Desprez TH, et al. **Lille Med** 21(5):433–6, May 76 **(Fre)**

[Influence of renal insufficiency on the pharmokinetics and metabolism of urate oxidase] Devulder B, et al. **Lille Med** 21(4):293–301, Apr 76 **(Fre)**

THERAPEUTIC USE

[Letter: Acute hyperuricemic kidney failure. Treatment by uricozyme] Chanteclair G, et al. **Nouv Presse Med** 4(31):2274, 27 Sep 75 **(Fre)**

[Letter: Prevention of hyperuricemic complications caused by treatment of acute leukemia] Sebahoun G, et al. **Nouv Presse Med** 5(3):146, 17 Jan 76 **(Fre)**

[Letter: Use of urate oxidase and allopurinol as hypouricemic agents in hematology] Zittoun R, et al. **Nouv Presse Med** 5(2):91, 10 Jan 76 **(Fre)**

URBAN DEVELOPMENT see URBAN RENEWAL

URBAN PLANNING see CITY PLANNING

URBAN POPULATION

A study of attempted suicides in urban versus rural areas, with a follow-up. Niskanen P, et al. **Acta Psychiatr Scand** 52(4):283–91, Oct 75

Relationships between prenatal medical and nutritional measures, pregnancy outcome, and early infant development in an urban poverty setting. I. The role of nutritional intake. Osofsky HJ. **Am J Obstet Gynecol** 123(7):682–90, 1 Dec 75

A behavioral classification of welfare children from survey data. Eisenberg JG, et al. **Am J Orthopsychiatry** 46(3):447–63, Jul 76

Ambulatory care for chronic conditions in an inner-city elderly population. German PS, et al. **Am J Public Health** 66(7):660–6, Jul 76

Ghetto hiring. Besgeier GP. **Arch Environ Health** 30(9):440–1, Sep 75

Suicidal attempts in an outer region of metropolitan Melbourne and in a provincial region of Victoria. Kessell A, et al. **Aust NZ J Psychiatry** 9(4):255–61, Dec 75

The right to education: due process and the inner city child. Katz LJ, et al. **Bull Am Acad Psychiatry Law** 3(2):70–82, 1975

Health of the Arabian cities. Al-Tikriti SK, et al. **Bull Endem Dis (Baghdad)** 16(1-2):7–25, 1975

Community health symposium. Part III: occupational disease and urban enviornment. Woods D. **Can Med Assoc J** 114(2):162–3, 24 Jan 76

Investigations into sources of lead in the environment of urban children. Lepow ML, et al. **Environ Res** 10(3):415–26, Dec 75

Senior citizens in great cities: the case of Chicago. Bild BR, et al. **Gerontologist** 16(1 Pt 2):4–88, Feb 76

Symposium: the city: a viable environment for the elderly? Phase III: planning and delivery of health services. Background. Byerts TO. **Gerontologist** 16(1 Pt1):11–2, Feb 76

Health and the inner city elderly. Cantor M, et al. **Gerontologist** 16(1 Pt1):17–25, Feb 76

Symbiotic relationship of high fertility, high childhood mortality and socio-economic status in an urban Peruvian population. Frisancho AR, et al. **Hum Biol** 48(1):101–11, Feb 76

Rural and urban Omaha indian fertility. Liberty M, et al. **Hum Biol** 48(1):59–71, Feb 76

Nutritional profile of Calcutta pre-school children. II. Clinical observations. Chaudhuri MK. **Indian J Med Res** 63(2):189–95, Feb 75

Nutritional profile of Calcutta pre-school children. I. Nutritional anthropometry. Chaudhuri MK. **Indian J Med Res** 63(2):173–88, Feb 75

Epidemiological study of immunization practices in rural and urban field practice areas of Government Medical College, Patiala. Singh H, et al. **Indian J Med Res** 64(1):17–24, Jan 76

A study of immunisation status of children in a defined urban population. Chansoria M, et al. **Indian Pediatr** 12(9):879–88, Sep 75

Ameobiasis in children in an urban community. Jain M, et al. **Indian Pediatr** 13(2):119–22, Feb 76

Neuromuscular development during infancy. Katiyar GP, et al. **Indian Pediatr** 13(3):219–24, Mar 76

Growth in height and weight of urban Madhya Pradesh adolescents. Kual KK, et al. **Indian Pediatr** 13(1):31–9, Jan 76

A study of patient-compliance in urban out-patient pediatric practice. Thawrani YP, et al. **Indian Pediatr** 12(8):679–83, Aug 75

Instances of treatment for opiate and nonopiate drugs in one urban community. Brown BS, et al. **Int J Addict** 10(5):801–13, 1975

An examination of patterns of drug use in six suburban groups. Calhoun JF. **Int J Addict** 10(3):521–38, 1975

Estimating heroin use in an urban area. Morrison J, et al. **Int J Addict** 10(4):589–98, 1975

Psychophysiological responses to the urban environment. Ostfeld AM, et al. **Int J Psychiatry Med** 6(1-2):15–28, 1975 (76 ref.)

Goal-striving discrepancy stress in urban Filipino men: II. Housing. Marsella AJ, et al. **Int J Soc Psychiatry** 21(4):282–91, Winter 75

Neonatal behavior among urban Zambians and Americans. Brazelton TB, et al. **J Am Acad Child Psychiatry** 15(1):97–107, Winter 76

Urban—rural trends in the epidemiology of coronary heart disease. Gupta SP, et al. **J Assoc Physicians India** 23(12):885–92, Dec 75

Maternal and child pathology in an urban ghetto. Verinis JS. **J Clin Psychol** 32(1):13–5, Jan 76

Health maintenance organizations: are they for the inner cities? Roman SA Jr. **J Community Health** 1(2):127–31, Winter 75

Mental health and the urban environment: some doubts and second thoughts. Kasl SV, et al. **J Health Soc Behav** 16(3):268–82, Sep 75

The rural-urban distribution of medical school applicants. Cullison S, et al. **J Med Educ** 51(1):47–9, Jan 76

Aggression in children in an urban clinic. Goldberg L, et al. **J Pers Assess** 40(1):73–80, Feb 76

Assessment of efforts to induce medical practitioners to participate in urban leprosy control programmes. Nilakanta Rao MS. **Lepr Rev** 47(2):149–53, Jun 76

Use of traditional Indian medicine among urban native Americans. Fuchs M, et al. **Med Care** 13(11):915–27, Nov 75

Some ecological correlates of perinatal mortality in a metropolis. Kraus J. **Med J Aust** 2(1):16–8, 5 Jul 75

A study of blood lead levels in residents of the Sydney area. Mencel SJ, et al. **Med J Aust** 1(13):423–6, 27 Mar 76

Cadmium exposure and renal accumulation in an Australian urban population. Miller GJ, et al. **Med J Aust** 1(1-2):20–3, 3–10Jan 76

Mental health: rural-urban comparisons. Schwab JJ, et al. **Ment Health Soc** 1(5-6):265–74, 1974

Distribution of antibody to hepatitis a antigen in urban adult populations. Szmuness W, et al. **N Engl J Med** 295(14):755–9, 30 Sep 76

Polynesian school dental therapists: community dentistry through voluntary co-operation in Western Samoa. Camrass R. **NZ Dent J** 71(324):70–3, Apr 75

Oral roentgenologic findings in a Norwegian urban population. Hansen BF, et al. **Oral Surg** 41(2):261–6, Feb 76

Parents' knowledge of respiratory disease: A comparison of inner-city and suburban parents. Tomlinson WA. **Pediatrics** 56(6):1009–13, Dec 75

Survey of alcoholism and excessive drinking in a suburb of Buenos Aires. Tarnopolsky A, et al. **Psychol Med** 5(2):193–205, May 75

Protein energy malnutrition in Coloured children in Western Township, Johannesburg. Part 1. The ecological background Margo G, et al. **S Afr Med J** 50(31):1205–9, 17 Jul 76

The irritable bowel syndrome in the urban South African Negro. Segal I, et al. **S Afr Med J** 49(40):1645–6, 20 Sep 75

Nutrition knowledge in urban Blacks. Wagstaff LA. **S Afr Med J** 50(23):900–2, 29 May 76

Sociocultural correlates of fertility among tribal, rural, and urban populations in Iran. Paydarfar AA. **Soc Biol** 22(2):151–66, Summer 75

The imported fire ant: dimensions of the urban problem. Clemmer DI, et al. **South Med J** 68(9):1133–8, Sep 75

Profile of population in metropolitan areas of New England. **Stat Bull Metropol Life Ins Co** 56:4–9, Jul 75

Population of leading cities in 1980. **Stat Bull Metropol Life Ins Co** 56:8–10, Aug 75

Profile of population in metropolitan areas of the Middle Atlantic States. **Stat Bull Metropol Life Ins Co** 56:4–9, Nov 75

Profile of population in metropolitan areas of the East North Central States. **Stat Bull Metropol Life Ins Co** 57:4–8, Jan 76

Population growth of metropolitan areas to continue. **Stat Bull Metropol Life Ins Co** 56:5–7, Dec 75

Profile of population in metropolitan areas of the West North Central states. **Stat Bull Metropol Life Ins Co** 57:4–9, Apr 76

Obstacles to family planning practice in urban Morocco. Mernissi F. **Stud Fam Plann** 6(12):418–25, Dec 75

[Urban/rural differences in mortality, 1950–1970] Federici N, et al. **World Health Stat Rep** 29(5-6):249–378, 1976 **(Eng, Fre)**

[Hot line in the urban population, its relation to psychiatric first aid and its importance in the prevention of suicides. II. Statistico-epidemiological study - descriptive part] Drdková S, et al. **Cesk Psychiatr** 71(2-3):165–72, Jun 75 **(Cze)**

[Primary causes of death in a large city population during a period of 10-years (1963-1972)] Santruček M. **Cesk Zdrav** 23(8-9):361–7, Sep 75 (Eng. Abstr.) **(Cze)**

[Incidence of IHD (Ischemic Heart Disease) in men of a large-city population in relation to clinical and pathologico-anatomical findings over a 10-year period]

Santruček M. **Cesk Zdrav** 24(4):173–9, Apr 76 (Eng. Abstr.) **(Cze)**

[Housing and mental health. Essay on spatial–temporal parameters of city dwellers] Leroy C. **Psychiatr Clin (Basel)** 7(4–5):237–70, 1974 (Eng. Abstr.) **(Fre)**

[Urban environment and health] Grandjean E. **Soz Praeventivmed** 20(2):49–56, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Feral domestic pigeons in large cities] Dobbertin S. **Berl Munch Tieraerztl Wochenschr** 88(13):253–6, 1 Jul 75 (Eng. Abstr.) **(Ger)**

[Suicidal trends in urban and rural districts of Brandenburg] Otto KR, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(4):239–46, Apr 75 (Eng. Abstr.) **(Ger)**

[Medico–sociological studies on aged pensioners in a large city] Bunge H–C, et al. **Z Alternsforsch** 29(3):295–8, 1975 **(Ger)**

[Detrimental influences on the physical development of schoolchildren in a highly industrialized area] Rzepka J. **Z Gesamte Hyg** 20(12):905–6, Dec 74 (Eng. Abstr.) **(Ger)**

[City climate and its significance for man] Völksch G. **Z Gesamte Hyg** 22(1):17–20, Jan 76 (Eng. Abstr.) **(Ger)**

[Hygienic assessment of a supplementary treatment of urban sewage in case of its repeated use] Cherkinskii SN, et al. **Gig Sanit** (10):11–4, Oct 75 (Eng. Abstr.) **(Rus)**

[Experience in the use of local press for improving the sanitary education of a town] Faktorovich ML. **Gig Sanit** (6):88–90, Jun 75 **(Rus)**

[The problems of general and municipal hygiene in the hygienic journal of the German Democratic Republic] Grushko IaM. **Gig Sanit** (6):59–62, Jun 75 **(Rus)**

[Organization of therapeutic service to pregnant women in a large city] Severova EIa, et al. **Sov Med** (12):106–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Basic characteristics of the median longevity and mortality of the population of Khabarovsk] Palkin BN, et al. **Sov Zdravookhr** (7):51–5, 1975 (Eng. Abstr.) **(Rus)**

[Prevalence of diabetes mellitus among the population of Kharkov] Drach VD. **Vrach Delo** (4):8–11, Apr 75 **(Rus)**

[Prevalence of hypertensive disease among different groups of the urban and rural population] Kavunets GP. **Vrach Delo** (3):148–50, Mar 76 **(Rus)**

[Age and sex characteristics of tuberculosis incidence among urban population during the period 1959–1971] Zakopailo GG. **Vrach Delo** (5):11–3, May 75 **(Rus)**

[Statistics of the supranormal mortality among males in the urban settlements of the Kirghiz SSR] Aidaraliev AA, et al. **Zdravookhr Kirg** (4):11–6, Jul–Aug 76 **(Rus)**

[Structure of multiple causes of death among adult population in the city of Frunze] Saliev NS, et al. **Zdravookhr Kirg** (3):9–12, May–Jun 75 **(Rus)**

[Comparative analysis of the causes of death among infants under 1 year of age in the cities and villages] Dmitriev VI. **Zdravookhr Ross Fed** (12):10–4, Dec 75 **(Rus)**

[Rendering emergency non–hospital service to adult population of the city of Kalinin] Loginova EA, et al. **Zdravookhr Ross Fed** (12):17–20, Dec 75 **(Rus)**

[Social development of the urban hospital collective] Shevchenko KN. **Zdravookhr Ross Fed** (11):3–7, Nov 75 **(Rus)**

[Incidence of skin diseases among the population of Leninakan according to complex medical examinations] Danielian EE, et al. **Zh Eksp Klin Med** 15(3):93–100, 1975 **(Rus)**

[Problem of trachoma in the urban environment of Bratislava. Analysis of incidence in the years 1962–1973] Ferencei M, et al. **Cesk Oftalmol** 31(5):363–9, Sep 75 (Eng. Abstr.) **(Slo)**

URBAN RENEWAL

see related
HOUSING

Our existing housing stock. New directions in policy. Jones C. **R Soc Health J** 95(6):318–21, Dec 75

[Multiple injuries due to the collapse of a prefabricated concrete building (author's transl)] Kožina M, et al. **Acta Chir Orthop Traumatol Cech** 42(4):393–7, Aug 75 (Eng. Abstr.) **(Cze)**

[Historical, esthetic and functional aspects of urban restoration and building modernization] Kleihues JP. **Gesund Ing** 97(1–2):1–5, Jan–Feb 76 **(Ger)**

[Organizational experience with sanitary control over the planning and building of Donetsk] Grin' NV, et al. **Gig Sanit** (2):98–9, Feb 75 **(Rus)**

URBANIZATION

Urbanization and de–urbanization of the black population before the Civil War. Wilkie JR. **Demography** 13(3):311–28, Aug 76

Feeding habits and beliefs of practical significance in villages: impact of urbanisation on feeding habits and beliefs. Mathur YC. **Indian Pediatr** 12(1):70–1, Jan 75

Urbanisation and malnutrition. Udani PM. **Indian Pediatr** 12(1):69, Jan 75

Urbanization and differentials in white and nonwhite infant mortality. Chabot MJ, et al. **Pediatrics** 56(5):777–81, Nov 75

[Urbanization and mental health] Beliaev II. **Vestn Akad Med Nauk SSSR** (3):3–8, 1975 **(Rus)**

[Effect of urbanization on the future of agricultural development in Costa Rica] Fournier LA. **Rev Biol Trop** 24(1 Suppl):49–55, Jun 76 (Eng. Abstr.) **(Spa)**

UREA

see related
BLOOD UREA NITROGEN

Active pre–term management of severe osteogenesis imperfecta. Swinhoe J, et al. **Acta Obstet Gynecol Scand** 55(1):81–3, 1976

Beta–amylase–resistant amylose. Effect of urea on the limited hydrolysis of amylose by beta–amylase. Patil NB. **Biochem J** 153(2):339–42, 1 Feb 76

Transfer free energies and average static accessibilities for ribonuclease A in guanidinium hydrochloride and urea solutions. Schrier MY, et al. **Biochemistry** 15(12):2607–12, 15 Jun 76

Diphasic transformations of F–actin. Effects of urea and MgCl2 on F–actin. Taniguchi M. **Biochim Biophys Acta** 427(1):126–40, 18 Mar 76

The nature of alkylurea and urea denaturation of alpha–chymotrypsinogen. Warren JR, et al. **Biochim Biophys Acta** 420(2):397–405, 20 Feb 76

In vivo behaviour of homologous urea–soluble 131I–fibrin and 125I–fibrinogen in rabbits: the effect of fibrinolysis inhibition. Müller–Berghaus G, et al. **Br J Haematol** 33(1):61–79, May 76

Practical aspects on the determination of serum alkaline phosphatase isoenzymes using L–phenylalanine and urea. Bergström K, Lefvert AK. **Clin Chim Acta** 64(1):95–100, 1 Oct 75

The enthalpy of interaction of urea with some globular proteins. Andrade MI, et al. **Eur J Biochem** 66(1):127–31, 15 Jun 76

Spin–labeling studies of urea–treated leucine aminopeptidase. Lassmann G, et al. **Eur J Biochem** 54(2):453–8, Jun 75

Properties and chemistry of urea and related intermediates. pp. 39–56. Kennedy J.
In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.

Kinetics and mechanisms of conversion of methyl 1–(butylcarbamoyl)–2–benzimidazolecarbamate (benomyl) to 3–butyl–2,4–dioxo(1,2–a)–s–triazinobenzimidazole (STB) and 1–(2–benzimidazolyl)–3–n–butylurea (BBU). Calmon JP, et al. **J Agric Food Chem** 24(2):314–7, Mar–Apr 76

A reaction proceeding through intramolecular phosphorylation of a urea. A chemical mechanism for enzymic carboxylation of biotin involving cleavage of adenosines 5'–triphosphate. Kluger R, et al. **J Am Chem Soc** 98(12):3741–2, 9 Jun 76

Effects of citrus pulp in high urea rations for steers. Pinzon FJ, et al. **J Dairy Sci** 59(6):1100–3, Jun 76

The effect of Mg2+ and Ca2+ on urea–catalyzed phosphorylation reactions. Handschuh GJ, et al. **J Mol Evol** 2(4):251–62, 27 Nov 73

Further studies of urea–catalyzed phosphorylation reactions. Osterberg R, et al. **J Mol Evol** 2(2–3):231–4, 1973

Some factors influencing dissolution from salicylic acid–urea solid dispersions. Collett JH, et al. **J Pharm Pharmacol** 28(4):305–8, Apr 76

Some effects of urea on drug dissolution. Collett JH, et al. **J Pharm Pharmacol** 28(3):206–9, Mar 76

Proceedings: In situ fusion and granulation of a chlorpromaide–urea solid solution for compressed tablets. Wells JI, et al. **J Pharm Pharmacol** 27 Suppl?–2:56P, Dec 75

Nitrofurantoin solubility in aqueous urea and creatinine solutions. Chen LK, et al. **J Pharm Sci** 65(6):868–72, Jun 76

Physicochemical study of drug binary systems. Part 3: Tolbutamide–urea and tolbutamide–mannitol systems. El–Banna HM, et al. **Pharmazie** 30(12):788–92, 1975

Rates of rumen fermentation in relation to ammonia concentration. Mehrez AZ, et al. **Proc Nutr Soc** 35(1):40A–41A, May 76

A comparison of the efficiency of urea and ammonium salts as non–protein–nitrogen supplements for sheep rations. Offer NW, et al. **Proc Nutr Soc** 35(1):41A–42A, May 76

[Composition of the amniotic fluid in late pregnancy. 3. 1st results concerning total proteins, albumin, urea, uric acid, creatinine, lactic dehydrogenase, alkaline phosphatases, and oxalo–glutamic transaminase] Giraud JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(3):243–54, Apr–May 73 **(Fre)**

[Study in man of the blood and urinary effects of intense muscular exercise on certain elements of protein metabolism] Rougier G, et al. **Pathol Biol (Paris)** 23(1):35–43, Jan 75 (Eng. Abstr.) **(Fre)**

[Suitability of biuret methods for rapid determination of protein in feeds] Lengerken JV, et al. **Nahrung** 20(6):641–8, 1976 **(Ger)**

[The effects of urea and urea derivatives on the water solubility of some drugs] Rohdewald P. **Pharmazie** 30(7):460–3, Jul 75 **(Ger)**

ADMINISTRATION & DOSAGE

Comparative effects of hyperosmolar urea administered by intra–amniotic, intravenous, and intraperitoneal routes in rhesus monkeys. Blake DA, et al. **Am J Obstet Gynecol** 124(3):239–44, 1 Feb 76

Intra–amniotic urea and prostaglandin F2 alpha for midtrimester abortion: a modified regimen. Burkman RT, et al. **Am J Obstet Gynecol** 126(3):328–33, 1 Oct 76

Urea creams in the treatment of dry skin and hand dermatitis. Fredriksson T, et al. **Int J Dermatol** 14(6):442–4, Jul–Aug 75

Effect of urea form and method of feeding on rumen ammonia concentration. Coppock CE, et al. **J Dairy Sci** 59(6):1152–6, Jun 76

The effects of coating mixtures of urea phosphate and urea on the concentrations of ammonia in the rumen liquor and blood of cows. Hemingway RG, et al. **Proc Nutr Soc** 34(2):52A–53A, Sep 75

Intra–amniotic use of urea and prostaglandin F2 alpha to induce labour in pregnancies complicated by death of the fetus. Sher G. **S Afr Med J** 50(13):510–2, 24 Mar 76

Termination of hypertensive pregnancies with intra–amniotic urevert. Roopnarinesingh S. **West Indian Med J** 24(3):164–8, Sep 75

[Effect of different amounts of carbamide on the state of health of broilers. I] Simov P, et al. **Vet Med Nauki** 13(3):32–6, 1976 (Eng. Abstr.) **(Bul)**

[Studies on nitrogen utilization in urea fed animals] Teller E, et al. **Z Tierphysiol** 36(2):105–12, Dec 75 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Letter: Clinical infectious bovine rhinotracheitis in cattle fed organic iodine and urea. McCauley EH, et al. **Am J Vet Res** 37(6):749–50, Jun 76

Clinical infectious bovine rhinotracheitis in cattle fed organic iodine and urea. Rosiles R, et al. **Am J Vet Res** 36(10):1447–53, Oct 75

The possible deleterious effects of the intramyometrial injection of hypertonic urea. Parmley TH, et al. **Obstet Gynecol** 47(2):210–2, Feb 76

[Normalization process in the epidermis following its previous exposure to urea] Wohlrab W. **Dermatol Monatsschr** 162(7):585–9, Jul 76 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Inhibitory properties of N–nicotinyl–N' (substituted) urea analogs of NAD. Masingale RE, et al. **Arch Biochem Biophys** 169(2):443–8, Aug 75

Studies on the neuropharmacology of tert–butylurea in mice. Dar MS. **Arch Int Pharmacodyn Ther** 219(1):103–15, Jan 76

Molecular and cellular effects of antisickling concentrations of alkylureas. Elbaum D, et al. **Blood** 48(2):273–82, Aug 76

Forecasting the antimalarial activities of arylamidinoureas from their measured physicochemical properties. Gilbert D, et al. **Br J Pharmacol** 55(1):117–24, Sep 75

A rapid and sensitive auxin binding system for detecting N6–substituted adenines, and some urea and thiourea derivatives, that show cytokinin activity in cell division tests. Léjohn HB. **Can J Biochem** 53(7):768–78, Jul 75

Large bowel carcinogenesis in mice and rats by several intrarectal doses of methylnitrosourea and negative effect of nitrite plus methylurea. Narisawa T, et al. **Cancer Res** 36(2 Pt 1):505–10, Feb 76

The prediction of new biologically active compounds using physicochemical properties–activity relations. Goodford PJ, et al. **Experientia** suppl 23:79–82, 1976

Genetic variability of Chlamydomonas reinhardtii induced by six urea derivatives. Miadoková E, et al. **Folia Microbiol (Praha)** 20(6):452–9, 1975

Photoelectron spectroscopy of carbonyls. Ureas, uracils, and thymine 1,2. Dougherty D, et al. **J Am Chem Soc** 98(13):3815–20, 23 Jun 76

Biosynthesis of liver catalase in rats treated with allylisopropylacetylcarbamide. II. Double–labeling of catalase with (14C)leucine and delta–(3H)aminolevulinic acid. Kawamata F, et al. **J Biochem (Tokyo)** 78(5):975–80, Nov 75

Biosynthesis of liver catalase in rats treated with allylisopropylacetylcarbamide. I. Immunochemical assay of catalase in liver cell fractions. Kawamata F, et al. **J Biochem (Tokyo)** 78(5):969–74, Nov 75

Gas chromatographic determination of dicyclohexylurea in the active esters of amino acids. Laukó A, et al. **J Chromatogr** 118(3):409–10, 7 Apr 76

Inhibitory effect of sodium ascorbate on ethylurea and sodium nitrite carcinogensis and negative findings in progeny after intestinal inoculation of precursors into pregnant hamsters. Rustia M. **J Natl Cancer Inst** 55(6):1389–94, Dec 75

Anti–inflammatroy and antiproteolytic properties of 1–(1–naphthylacetyl)–3–substituted carbamides. Kishore V, et al. **J Pharm Sci** 65(7):1078–81, Jul 76

Liver alcohol dehydrogenase inhibition by fatty acid amides, N–alkylformamides and monoalkylureas. Porter CC, et al. **Life Sci** 18(9):953–9, 1 May 76

Activities of hormone metabolizing enzymes in house flies treated with some substituted urea growth regulators. Yu SJ, et al. **Life Sci** 17(4):619–25, 15 Aug 75

On the reactions of NaNO2 with ethyl urea in the presence and absence of ascorbic acid. Synnott JA, et al. **Naturwissenschaften** 62(3):138–9, Mar 75

Colorimetric determination of bromisoval and carbromal. Przyborowski L, et al. **Pol J Pharmacol Pharm** 27(6):645–8, Nov–Dec 75

Glycosyl ureides in ruminant feeding. McAllan AB, et al.

Proc Nutr Soc 34(2):90A–91A, Sep 75

Distribution and behaviour of isoselenium salts in organism. III. Radioprotective effect of selenium derivatives. Kozák I, et al. **Strahlentherapie** 150(5):539–45, Nov 75

The effect of prolonged administration of allylisopropylacetylurea to rats on cytochrome P-450 and other liver haemoproteins. Rentsch G, et al. **Xenobiotica** 6(3):151–7, Mar 76

[Detection of immuno-stimulation in mice by a new low molecular substance (author's transl)] von Ardenne M, et al. **Arch Geschwulstforsch** 45(6):572–80, 1975 (Eng. Abstr.) **(Ger)**

[Demonstration of tumor inhibiting properties of a strongly immunostimulating low-molecular weight substance. Comparative studies with ifosfamide on the immuno-labile DS carcinosarcoma. Stimulation of the autoimmune activity for approx. 20 days by BA 1, a N-(2-cyanoethylene)-urea. Novel prophylactic possibilities] Ardenne M, et al. **Arzneim Forsch** 25(9):1369–79, Sep 75 (Eng. Abstr.) **(Ger)**

[Significance of the chronic abuse of bromoureide containing hypnotics. Simple chemical methods for its detection (author's transl)] Müller-Oerlinghausen B, et al. **Med Klin** 70(44):1484–9, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Apparent insulin incompatibility in a case of Arthus Phenomenon caused by Surfen] Forck G, et al. **Med Welt** 26(14):664–9, 4 Apr 75 **(Ger)**

[Synthesis fo asymmetric disubstituted urea and thiourea derivatives. 1.] Drugărin C, et al. **Pharmazie** 31(3):151–2, 1976 **(Ger)**

[Synthesis of new urea- and thiourea- derivatives. 2. Substituted hippuric acid esters] Drugărin C, et al. **Pharmazie** 31(3):192, 1976 **(Ger)**

[Thrombocyte function in bromcarbamide poisoning] Böttcher D, et al. **Verh Dtsch Ges Inn Med** 81:701–4, 1975 **(Ger)**

[Tumour inhibitory N-(bis-(2-chlorethyl)-aminomethyl)-urethanes (author's transl)] Schinenberger H, et al. **Z Krebsforsch** 84(3):277–40, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Variability in Act. circulatus var. monomycini induced by N-5-nitroso-N-methylbiuret] Letiagin KP, et al. **Antibiotiki** 20(6):488–94, Jun 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

An enzyme reactor electrode for urea determinations. Johansson G, et al. **Anal Chim Acta** 84(1):23–9, Jun 76

In vitro studies on the dissolution rate of industrial retarted urea feedingstuffs by use of a selective electrode. Applications of the potentiometric urea enzyme electrode in measurements of dissolution rate. Fritz I, et al. **Analyst** 101(1203):439–44, Jun 76

Creatinine, urea and uric acid in amniotic fluid, maternal and umbilical cord blood at delivery. Anderer M, et al. **Arch Gynaekol** 220(1):65–72, 16 Dec 75

Differential assay for urea and citrulline. Automated and manual procedures. Blumenkrantz N, et al. **Clin Biochem** 8(5):293–7, Oct 75

IR analysis of crystalline samples of some urea derivatives. Kaliszan R, et al. **Pol J Pharmacol Pharm** 27(5):579–87, Sep-Oct 75

Presence of urea in rat brain. González MP, et al. **Rev Esp Fisiol** 32(2):127–30, Jun 76

[Method for determination of urea by means of automatic analyzer] Mašek K, et al. **Vnitr Lek** 22(3):292–5, Mar 76 (Eng. Abstr.) **(Cze)**

[Sources of errors in the interpretation of chemical-toxicological data with special reference to bromide-urea and benzodiazepin analyses] Schütz C, et al. **Beitr Gerichtl Med** 33:224–7, 1975 (Eng. Abstr.) **(Ger)**

[Kinetic determination of urea with the LKB system (author's transl)] Eisenwiener HG. **J Clin Chem Clin Biochem** 14(6):261–4, Jun 76 (Eng. Abstr.) **(Ger)**

[Study on test errors in phosphorus and urea determinations according to TGL 80-21875/12 and 35-Food analysis] Hering D, et al. **Nahrung** 20(2):K5–6, 1976 **(Ger)**

[Electrolyte- and urea concentration profiles of the kidney in experimental asymmetric glomerulonephritis (author's transl)] Heuer LJ, et al. **Res Exp Med (Berl)** 165(3):265–70, 24 Sep 75 (Eng. Abstr.) **(Ger)**

[Studies on chemical analysis by measurement of reaction rate. II. Conductivity method for determination of urea by using urease (author's transl)] Tagami S, et al. **J Pharm Soc Jpn** 94(11):1384–8, Nov 74 (Eng. Abstr.) **(Jpn)**

[Enzymatic method of determination of urea] Chëvari S, et al. **Lab Delo** (6):353–5, 1975 **(Rus)**

BIOSYNTHESIS

The role of chemical equilibria in organ function. Krebs HA. **Adv Enzyme Regul** 13:449–72, 1975

Restriction of hepatic gluconeogenesis and ureogenesis from threonine when at low concentrations. Bloxam DL. **Am J Physiol** 229(6):1718–23, Dec 75

Hepatic albumin and urea synthesis: The mathematical modelling of the dynamics of [14C]carbonate-derived guanidine-labelled arginine in the isolated perfused rat liver. Tavill AS, et al. **Biochem J** 150(3):495–509, Sep 75

Proceedings: Albumin and urea synthesis by the runt and normal piglets' liver. Metcalfe J, et al. **Br J Obstet Gynaecol** 83(5):412, May 76

Alternate pathways of urea formation and of NH3: use and future advances and predictions. pp. 551–64. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

The best available methods for detecting and preparing intermediates and enzymes. pp. 319–23. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

Evolutionary and comparative aspects of urea biosynthesis. pp. 21–38. Cohen PP. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.** (60 ref.)

Alternate paths artifacts, and confirmation at the preenzyme level. pp. 13–20. Grisolia S. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

The discovery of the ornithine cycle. pp. 1–12. Krebs HA. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

Glutamine as a precursor of urea. pp. 479–88. Lund P, et al. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

Developmental changes of urea-cycle enzymes in mammalian liver. pp. 261–74. Räihä NC. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

Enzyme and reactant concentrations and the regulation of urea synthesis. pp. 243–59. Raijman L. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

Enzymes of arginine and urea synthesis. pp. 181–219. Ratner S. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.** (110 ref.)

Regulation of urea biosynthesis by the acetylglutamate-arginine system. pp. 301–17. Tatibana M, et al. **In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975.**

Effects of chronic metabolic acidosis on glutamine turnover and urea production in the perfused rat liver. Kinlen DM, et al. **Ir J Med Sci** 144(12):453–62, Dec 75

Role of anion translocation across the mitochondrial membrane in the regulation of urea synthesis from ammonia by isolated rat hepatocytes. Meijer AJ, et al. **J Biol Chem** 250(19):7728–38, 10 Oct 75

Urea syntaesis after oral protein ingestion in man. Rafoth RJ, et al. **J Clin Invest** 56(5):1170–4, Nov 75

Leukocyte urea cycle enzymes in hyperammonemia. Wolfe DM, et al. **Pediatr Res** 9(6):531–5, Jun 75

[Studies on the functional ability of swine liver perfused with human blood in machine recirculation attempt. Experiment design, elimination of indocyanine green, galactose, bilirubin and ammonia, synthesis of urea, bile secretion] Zipprich VB, et al. **Z Gesamte Inn Med** 31(11):364–8, 1 Jun 76 (Eng. Abstr.) **(Ger)**

BLOOD

Serum uric acid-its relationship to lean body mass sex, plasma urea, intracellular potassium and packed cell volume in a normal population group. Kennedy AC, et al. **Ann Rheum Dis** 34(6):543, Dec 75

Plasma osmolality, sodium, and urea in healthy breast-fed and bottle-fed infants in Newcastle upon Tyne. Dale G, et al. **Arch Dis Child** 50(9):731–4, Sep 75

Letter: Blood urea levels in artificially-fed infants. Melekian B, et al. **Arch Dis Child** 51(3):243, Mar 76

Computer-simulated urea reflection coefficients in human red cells. Owen JD. **Biochim Biophys Acta** 443(2):306–10, 16 Aug 76

Permeability of rabbit polymorphonuclear leukocyte membranes to urea and other nonelectrolytes. Sha'afi R, et al. **Biochim Biophys Acta** 436(1):242–6, 4 Jun 76

Rapid-flow enthalpimetric determination of urea in serum, with use of an immobilized urease reactor. Bowers LD, et al. **Clin Chem** 22(8):1314–8, Aug 76

Letter: Rapid microanalyzer for glucose and urea. London M, et al. **Clin Chem** 22(9):1537–8, Sep 76

Use of immobilised urease in a continuous flow method for the determination of plasma urea. James DR, et al. **Clin Chim Acta** 62(3):435–8, 4 Aug 75

Blood urea levels and erythrocyte fragility to isosmotic urea during hibernation and activity of Spermophilus tridecimlineatus. Chilian WM, et al. **Comp Biochem Physiol [A]** 54(4):433–5, 1976

Serum urea analysis using the Beckman BUN Analyzer. Chua KS, et al. **J Clin Pathol** 29(6):517–9, Jun 76

Plasma creatinine and urea concentration in children: normal values for age and sex. Schwartz GJ, et al. **J Pediatr** 88(5):828–30, May 76

Correlation between in vivo and in vitro metabolic measurements. Maximum capacity for urea synthesis. Grisolia S, et al. **Physiol Chem Phys** 7(3):219–23, 1975

Some serum biochemical changes associated with chloroform-induced renal tubular necrosis in mice. Kruś S, et al. **Pol Med Sci Hist Bull** 15(5–6):525–9, Sep-Dec 75

Changes in the concentrations of urea, glucose and some mineral elements in the plasma of the ewe during induced parturition. Scott D, et al. **Res Vet Sci** 20(3):346–7, May 76

[Diagnosis of drowing as based on chloride, urea and creatinine values] Srch M, et al. **Soud Lek** 20(3):33–7, Aug 75 (Eng. Abstr.) **(Cze)**

[Estimation of the concentration of urea in the blood of horses, cattle, goats and dogs using the 'Merckognost Harnstoff' method compared with an enzymatic, photometric method (author's transl)] Schotman AJ, et al. **Tijdschr Diergeneeskd** 100(21):1137–42, 1 Nov 75 (Eng. Abstr.) **(Dut)**

[Relationships between nutritional protein quality and adrenal cortex function. I. Behavior of urea and corticosteroid concentrations in the blood plasma of albino rats after feeding with protein of various qualities] Schülke B, et al. **Arch Tierernaehr** 24(7–8):525–34, Oct 74 (Eng. Abstr.) **(Ger)**

[Biochemical studies on adjuvant arthritis in rats] pp. 119–23. Bošmanský K, et al. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 I33 1973.** **(Ger)**

[Protein evaluation based on intermediary protein metabolism criteria] Bergner H. **Nahrung** 19(9–10):855–64, 1975 (Eng. Abstr.) **(Ger)**

[Criteria for indirect evaluation of protein status of organisms] Eggum BO. **Nahrung** 19(9–10):845–54, 1975 (Eng. Abstr.) **(Ger)**

[Simultaneous determination of glucose and urea in whole blood, by means of the autoanalyzer I: a useful modification of the original technic] Caravaglios R. **Quad Sclavo Diagn** 10(3):423–8, Sep 74 (Eng. Abstr.) **(Ita)**

[Comparative study of methods for the determination of urea in biological fluids] La Rocca Rossi A, et al. **Rev Farm Bioquim Univ Sao Paulo** 13(1):145–60, Jan-Jun 75 (Eng. Abstr.) **(Por)**

[Current average values of some blood parameters in untreated pulmonary tuberculosis in adults] Golli V, et al. **Rev Ig [Pneumoftiziol]** 24(2):97–102, Apr-Jun 75 **(Rum)**

[Comparative characteristics of enzymatic methods of determination of blood serum urea] Delektorskaia LN, et al. **Lab Delo** (10):610–4, 1975 **(Rus)**

CHEMICAL SYNTHESIS

Formation of urea and guanidine by irradiation of ammonium cyanide. Lohrmann R. **J Mol Evol** 1(3):263–9, 1972

Synthesis of biological molecules on molecular sieves. Poncelet G, et al. **Orig Life** 6(3):401–6, Jul 75

DIAGNOSTIC USE

The 'urea index' as a marker of portal flow direction in cirrhosis of the liver. Hazenberg HJ, et al. **Acta Hepatogastroenterol (Stuttg)** 23(2):93–100, Apr 76

13N-ammonia test and urea index in a patient with splenic vein obstruction and cirrhosis of the liver. Hazenberg HJ, et al. **Neth J Med** 19(3):127–34, 1976

METABOLISM

Degradation of urea by bacteria and algae in mass algal cultures. Chróst RJ, et al. **Acta Microbiol Pol [B]** 7(4):231–6, 1975

Incorporation of N from intravenously administered 15N labelled urea into the bacterial protein in the sheep. Kowalczyk J, et al. **Acta Physiol Pol** 26(3):307–12, May-Jun 75

Passage of the intravenously administered 15N urea into the digestive tract and its excretion in the sheep. Kowalczyk J, et al. **Acta Physiol Pol** 26(3):299–306, May-Jun 75

Renal excretion of urea in reindeer. Effect of nutrition. Hove K, et al. **Acta Vet Scand** 16(4):513–9, 1975

Trapping of urea and ammonia in the gut of uremic patients. Giordano C, et al. **Adv Nephrol** 2:251–62, 1972

Intracellular osmoregulatory role of amino acids and urea in marine elasmobranchs. Forster RP, et al. **Am J Physiol** 230(4):925–31, Apr 76

Effect of stretch on passive transport in toad urinary bladder. Lief PD, et al. **Am J Physiol** 230(6):1722–9, Jun 76

Studies on L-arginase of the small intestine. II. Intestinal arginase in young and adult mammals, and its role in maintaining urea body pool. Konarska L, et al. **Biochem Med** 14(3):263–73, Nov 75

The role of the gut microflora in the utilization of dietary urea by the chick. Okumura J, et al. **Br J Nutr** 36(2):265–72, Sep 76

Urea and aspartic acid supplementation of low-protein broiler diets. Kagan A, et al. **Br Poult Sci** 17(4):403–13, Jul 76

L-aspartic acid and urea supplementation of low-protein layer diets. Kagan A, et al. **Br Poult Sci** 17(4):371–7, Jul 76

Compartments and barriers in the sciatic nerve of the rabbit. Bradbury MW, et al. **Brain Res** 103(3):515–26, 27 Feb 76

Increased excretion of N-carbamoyl compounds in patients with urea cycle defects. Oberholzer VG, et al. **Clin Chim Acta** 68(1):73–8, 1 Apr 76

Congenital hyperammonemic syndromes. Shih VE. **Clin Perinatol** 3(1):3–14, Mar 76

The role of the colon in urea metabolism in man. Gibson JA, et al. **Clin Sci Mol Med** 50(1):51–9, Jan 76

Urea metabolism in the llama. Hinderer S, et al. **Comp Biochem Physiol [A]** 52(4):619–22, 1 Dec 75

Non-protein amino acid-insect interactions-II. Effects of canaline-urea cycle amino acids on growth and development of the tobacco hornworm, Manduca sexta L. (Sphingidae). Rosenthal G, et al.

Comp Biochem Physiol [A] 52(1):105–8, 1 Sep 75
A comparative study of enzymes of urea and uric acid metabolism in different species of amphibia, and the adaptation to the environment of the tree frog Chiromantis xerampelina Peters. Balinsky JB, et al.
Comp Biochem Physiol [B] 54(4):549–55, 1976
Studies on nitrogen catabolism in Panagrellus redivivus, Goodey, 1945 (Nematoda: Cephalobidae). Wright DJ.
Comp Biochem Physiol [B] 52(2):255–60, 15 Oct 75
Effects of alanine, glycine and glutamic acid on nitrogenous excretion by Amphiuma means liver in organ culture. Fleming N, et al. **Experientia** 32(2):169–71, 15 Feb 76
Mechanism of urea nitrogen binding by proposed oxidized starch gastrointestinal absorbents. Stern IJ, et al.
Experientia 31(9):1065–6, 15 SEP 75
The effect of electrical stimulation of the hypothalamus and other brain areas on urea cycle enzymatic activities in the liver in rabbits—experimental studies on brain and liver interrelationship—. Kamiya S, et al.
Folia Psychiatr Neurol Jpn 29(1):77–82, 1975
Effect of thyroid hormones and analogues on ammonia and urea excretion in lata fish (Ophicephalus punctatus). Ray AK, et al. **Gen Comp Endocrinol** 29(2):190–7, Jun 76
Hereditary urea-cycle disorders. pp. 367–414. Shih VE.
In: Grisolia S, et al., ed. The urea cycle. New York, Wiley, 1976. QU 55 U75 1975. (165 ref.)
Metabolism of urea in buffalo calves fed on diets of different crude protein content. Singh UB, et al.
Indian J Exp Biol 13(2):160–2, Mar 75
Hydrolysis of urea in the gastrointestinal tract of 'monoxenic' rats: effect of immunization with strains of ureolytic bacteria. Moreau MC, et al. **Infect Immun** 13(1):9–15, Jan 76
Influence of vitamin A on formation and excretion of end products of nitrogen catabolism in chicks. Bruckental I, et al. **Int J Vitam Nutr Res** 45(4):378–87, 1975
Urea cycle enzymes in the liver of a dolphin Platanista indi. Grillo MA, et al. **Ital J Biochem** 25(3):219–28, May–Jun 76
Abomasal lysine infusion in steers fed a urea supplemented diet. Burris WR, et al. **J Anim Sci** 42(3):699–705, Mar 76
Effects of tallow and urea on in vitro rumen fermentation and nutrient digestion in sheep. Phillips RL, et al.
J Anim Sci 41(2):588–95, Aug 75
Effects of dietary soy or urea nitrogen and feeding frequency on nitrogen metabolism, glucose metabolism and urinary metabolite excretion in sheep. Prior RL. **J Anim Sci** 42(1):160–7, Jan 76
Urea-hydrolyzing activity of a T-strain mycoplasma: Ureaplasma urealyticum. Masover GK, et al.
J Bacteriol 125(2):581–7, Feb 76
Urea transport-defective strains of Saccharomyces cerevisiae. Sumrada R, et al. **J Bacteriol** 125(3):1048–56, Mar 76
Ureolytic bacteria in sheep rumen. van Wyk L, et al.
J Gen Microbiol 91(2):225–32, Dec 75
Genesis of the sweat:plasma urea concentration gradient. Gordon RS Jr, et al. **J Invest Dermatol** 66(4):218–21, Apr 76
Selective inhibition of urea transport by oxidizing agents. Evidence for a site of inhibition behond the generation of cyclic AMP. Franki N, et al. **J Membr Biol** 25(3–4):327–39, 1975–76
Amide transport channels across toad urinary bladder. Levine SD, et al. **J Membr Biol** 26(1):91–107, 17 Feb 76
Transfer of alcohols and ureas across the oral mucosa measured using streaming potentials and radioisotopes. Siegel IA, et al. **J Pharm Sci** 65(1):129–31, Jan 76
Permeability of the sheep placenta to unmetabolized polar non-electrolytes. Boyd RD, et al. **J Physiol (Lond)** 256(3):617–34, Apr 76
A blood and urine study of heavy muscular work on ureic and uric metabolism in man. Rougier G, et al.
J Sports Med Phys Fitness 15(3):212–22, Sep 75
Quantitative aspect of the endogenous urea cycle in goats. Ide Y. **Jpn J Vet Sci** 37(4):327–33, Aug 75
Toxicity arising from the urea cycle. Cohen BD, et al.
Kidney Int [Suppl] (3):285–7, Feb 75
The urea cycle in uremia. Swendseid ME, et al.
Kidney Int [Suppl] (3):280–4, Feb 75 (9 ref.)
Urea metabolism in an azotaemic woman with normal renal function. Richards P, et al. **Lancet** 2(7927):207–9, 2 Aug 75
Letter: Urea metabolism in an azotaemic woman with normal renal function. Richards P, et al. **Lancet** 2(7979):265, 31 Jul 76
Recycling of urea in the rat kidney: a dynamic self regulating analogue computer simulation. Packer JS, et al.
Med Biol Eng 12(5):633–46, Sep 74
A further development of electrolyte-deficient medium to demonstrate urea hydrolysis. Bowell PJ.
Med Lab Technol 32(1):45–9, Jan 75
Urea-cycle enzyme deficiencies and an increased nitrogen load producing hyperammonemia in Reye's syndrome. Snodgrass PJ, et al. **N Engl J Med** 294(16):855–60, 15 Apr 76
Levels of urea in the blood and urine of rats fed raw and heated soybean meal. Nitsan Z, et al. **Nutr Metab** 18(5–6):240–4, 1975
Enhanced efficiency in uremia in re-use of urea N for serum albumin synthesis. **Nutr Rev** 34(4):110–2, Apr 76 (4 ref.)
Effect of propionic acid on fatty acid oxidation and ureagenesis. Glasgow AM, et al. **Pediatr Res** 10(7):683–6, Jul 76
Facilitated transport of urea across the toad gallbladder. Curci S, et al. **Pfluegers Arch** 362(2):109–12, 30 Mar 76
Role of sodium and urea in the renal concentrating mechanism in Psammomys obesus. Imbert M, et al.
Pfluegers Arch 361(2):107–14, 30 Jan 76
Adaptations in metabolic acidosis: a reinterpretation. Oliver J, et al. **Proc Eur Dial Transplant Assoc** 11:411–6, 1975
The urea requirement and urease production of some human species of T-mycoplasmas. Furness G, et al.
Proc Soc Exp Biol Med 150(3):807–9, Dec 75
Single nephron study of intrarenal urea handling in experimental pyelonephritis. Armsen TR, et al.
Res Exp Med (Berl) 165(2):141–52, 14 Jul 75
In vivo performance of liquid membrane capsules. Asher WJ, et al. **Trans Am Soc Artif Intern Organs** 22:605–11, 1976
Clinical results of intermittent dialysis therapy (IDT) guided by ongoing kinetic analysis of urea metabolism. Gotch FA, et al. **Trans Am Soc Artif Intern Organs** 22:175–89, 1976
Hydrolysis of urea in different soil types as affected by certain inorganic salts. El-Shinnawi MM.
Zentralbl Bakteriol [Naturwiss] 130(4):357–62, 1975
[Influence of protein intake on plasma and hair leachable urea in the rat (author's transl)] Brochart M.
Ann Rech Vet 6(2):227–30, 1975 (Eng. Abstr.) **(Fre)**
[Influence of the cecum, in geese fed diets containing urea, on N-metabolism and digestibility of nutrients and on urea concentration in excrements and blood] Gruhn K, et al.
Arch Exp Veterinaermed 29(2):199–205, 1975 (Eng. Abstr.) **(Ger)**
[Excretion of acetyl urea in milk following oral 14C-acetyl urea administration to dairy cows] Bergner H, et al.
Arch Tierernaehr 26(1):17–24, Jan 76 (Eng. Abstr.) **(Ger)**
[In-vivo and in-vitro metabolism of bromine-urea derivatives in man] Käferstein H, et al.
Beitr Gerichtl Med 32:171–2, 1974 (Eng. Abstr.) **(Ger)**
[Urolithiasis and mineral metabolism] Schwille PO.
Hippokrates 47(1):53–65, Feb 76 **(Ger)**
[Nature of urea transport through the baso-lateral membrane of the urinary bladder of Rana esculenta] Micelli S, et al.
Boll Soc Ital Biol Sper 51(19):1234–9, 15 Oct 75 **(Ita)**
[Effects of ADH, cyclic AMP and theophylline on the permeability of the bladder to urea in Rana esculenta] Micelli S, et al. **Boll Soc Ital Biol Sper** 52(7–8):541–4, 30 Apr 76 **(Ita)**
[Biochemical studies of bovine hydatid fluid. XXII. Determination of some products of the metabolism of nitrate (creatinine, and urea) and of carbohydrates (pyruvate)] Palomba E, et al. **Boll Soc Ital Biol Sper** 51(13):832–4, 15 Jul 75 **(Ita)**
[Urea and amino acid transport by an isolated human placenta] Belokurov OG, et al. **Biull Eksp Biol Med** 81(4):394–7, 1976 (Eng. Abstr.) **(Rus)**
[Concentration of urea in blood and organs during muscular activity] Usik SV. **Fiziol Zh SSSR** 62(1):115–20, Jan 76 (Eng. Abstr.) **(Rus)**
[Content of urea in blood and urine and ammonia in urine in pneumonia of children of the 1st year of life] Iboian SR, et al. **Pediatriia** (4):44–6, Apr 75 **(Rus)**
[Effect of urea and amino acids of the ornithine cycle on the biomass accumulation and amino acids synthesis by Candida guilliermondii] Makarova EN, et al.
Prikl Biokhim Mikrobiol 11(3):322–5, May–Jun 75 (Eng. Abstr.) **(Rus)**
[Dynamics of free and bound urea and arginase activity in sections of the brain of guinea pigs after irradiation] Agafonova IM, et al. **Radiobiologiia** 15(5):744–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of hypertonic urea solution on Na+ and K+ transport through the smooth muscle membrane. Citko A, et al. **Acta Physiol Pol** 26(4):419–28, Jul–Aug 75
Effects on renal water and sodium excretion of infusions of either iso-osmolar saline or a hypo-osmolar solution of non-electrolytes. Bie P. **Acta Physiol Scand** 96(3):319–23, Mar 76
The effect of temperature and urea on virulent and attenuated strains of pseudoabies virus. Golais F, et al.
Acta Virol (Praha) 19(5):387–92, Sep 75
Pharmacokinetics of intra-amniotically administered hyperosmolar urea in rhesus monkeys. Blake DA, et al.
Am J Obstet Gynecol 124(3):245–50, 1 Feb 76
Structural alterations in the ciliary process and the blood-aqueous barrier of the monkey after systemic urea injections. Shabo AL, et al. **Am J Ophthalmol** 81(2):162–72, Feb 76 (19 ref.)
Selenourea and colloidal selenium: their role in radioprotection and radiosensitization of enzyme and cellular systems. Badiello R, et al. **Ann Ist Super Sanita** 10(3–4):147–57, 1974 (Eng. Abstr.)
The effect of urea on staphylococcal nuclease digestion of chromatin. Jackson V, et al.
Biochem Biophys Res Commun 67(4):1391–400, 15 Dec 75
Renaturation of a multisubunit multiactivity enzyme complex: recovery of phage Qbeta RNA replicase, EF-Tu, and EF-Ts activities after denaturation in urea. Blumenthal T, et al. **Biochemistry** 15(2):422–5, 27 Jan 76
Effects of irradiation on RNA synthesis primed by calf thymus deoxyribonucleoprotein treated with salt and salt-urea. Kobayashi T, et al. **Biochim Biophys Acta** 425(4):396–400, 2 Apr 76
Photochemical activities of reaction centers from Rhodopseudomonas sphaeroides at low temperature and in the presence of chaotropic agents. Romijn JC, et al.
Biochim Biophys Acta 423(2):164–73, 16 Feb 76
The influence of urea and guanidine chloride on the binding of the binding of the bacterial substrate and inhibitors to hen lysozyme at physiological temperature (40 degrees) (*). Saint-Blancard J, et al. **Biochimie** 57(10):1163–6, 1975
The effect of urea on sickling. May A, et al.
Br J Haematol 30(1):21–9, May 75
The effect of urea on population density of the ciliates Entodinium cultivated in vitro. Grędziński FM.
Bull Pharm Res Inst (Takatsuki) 23(9):631–6, 1975
Reaginic antibody formation in the mouse. VI. Suppression of IgE and IgG antibody responses to ovalbumin following the administration of high dose urea-denatured antigen. Takatsu K, et al. **Cell Immunol** 20(2):276–89, Dec 75
The effect of urea, thiourea and acetamide on the renal and branchial enzyme-pattern of the dogfish Scyliorhinus canicula. Mályusz M, et al. **Comp Biochem Physiol [B]** 54(1):177–9, 1976
Time-dependent inhibition of diamine oxidase by carbonyl-group reagents and urea. Crabbe MJ, et al.
Eur J Biochem 60(2):325–33, 15 Dec 75
Stimulation of proteinase K action by denaturing agents: application to the isolation of nucleic acids and the degradation of 'masked' proteins. Hilz H, et al.
Eur J Biochem 56(1):103–8, 1 Aug 75
The effect of hyperosmolal urea on the transport of amino acids into rat brain. Zanchin G, et al. **Exp Neurol** 51(2):292–303, May 76
Effects of pre- and simultaneous treatment with urea on the induction of chromatid aberrations in Vicia faba. Schubert I, et al. **Experientia** 32(7):854–5, 1976
Biological changes in the rhizosphere of wheat after foliar application of chlorocholinechloride, urea and 4-chloro-2-methylphenoxyacetic acid. Vraný J.
Folia Microbiol (Praha) 20(5):402–8, 1975
The effects from combining urea and an alcohol on the heat-induced reversible denaturation of ribonuclease. Gerlsma SY, et al. **Int J Pept Protein Res** 8(1):3–12, 1976
Denaturation of thermophilic and mesophilic 6-phosphogluconate dehydrogenase by 8M urea. Veronese FM, et al. **Int J Pept Protein Res** 7(4):341–3, 1975
Effect of hyperosmotic agents on the ciliary epithelium and trabecular meshwork. Okisaka S, et al.
Invest Ophthalmol 15(8):617–25, Aug 76
Renaturation of yeast inorganic pyrophosphatase denatured in urea and guanidine hydrochloride. Yano Y, et al.
J Biochem (Tokyo) 78(5):1001–11, Nov 75
The pathogenesis of post-obstructive diuresis. The role of circulating natriuretic and diuretic factors, including urea. Harris RH, et al. **J Clin Invest** 56(4):880–7, Oct 75
Factors influencing rumen microbial growth rates and yields: effects of urea and amino acids over time. Maeng WJ, et al. **J Dairy Sci** 59(4):643–7, Apr 76
Factors influencing rumen microbial growth rates and yields: effect of amino acid additions to a purified diet with nitrogen from urea. Maeng WJ, et al. **J Dairy Sci** 59(4):648–55, Apr 76
Relationship between ruminal ammonia and nonprotein nitrogen utilization by ruminants. III. Influence of intraruminal urea infusion on ruminal ammonia concentration. Roffler RE, et al. **J Dairy Sci** 59(1):80–4, Jan 76
Actions of external hypertonic urea, ADH, and theophylline on transcellular and extracellular solute permeabilities in frog skin. Mandel LJ. **J Gen Physiol** 65(5):599–615, May 75
Proceedings: The effect of reducing dietary nitrogen and of infusing urea on glomerular filtration rate and renal plasma flow in sheep. Ergene N, et al. **J Physiol (Lond)** 254(1):73P–74P, Jan 76
Characterization of the particles produced by exposure of ribosomal subunits to urea. Langer JA, et al.
J Sports Med 1(4):320–4, 1973
Enzymatic digestion and urea extraction on leptomeric structures and normomeric myofibrils in heart muscle cells. Bogusch G. **J Ultrastruct Res** 55(2):245–56, May 76
Effects of hypertonic urea solution on the contractility of the bullfrog ventricle. Kawata H, et al. **Jpn J Physiol** 25(3):387–99, 1975
[Dissociation and reassociation of poliovirus. I. Effect of urea on the virion. Drzeniek R. **Z Naturforsch [C]** 30(4):523–31, Jul–Aug 75
The effect of feeding different levels of urea on the performance and serum proteins, ablumin and globulins of rahmani lambs. Allam SM, et al. **Z Tierphysiol** 36(4):194–9, Feb 76
[Influence of some activators and inhibitors of alkaline phosphatase activity in the leukocytes of farm animals] Goranov Kh. **Vet Med Nauki** 12(8):54–9, 1975 (Eng. Abstr.) **(Bul)**
[Effect of different amounts of carbamide on nitrogen digestibility and metabolism in broilers. II] Simov P, et al. **Vet Med Nauki** 13(5):18–25, 1976 (Eng. Abstr.) **(Bul)**
[Atypical effects of massive and accelerated osmolar infusions] Campan L, et al. **Neurochirurgie** 20(7):609–16, Dec 74 (Eng. Abstr.) **(Fre)**
[Investigations on the mechanism of the activity of urea upon the epidermis (author's transl)] Wohlrab W, et al.
Arch Dermatol Res 255(1):23–30, 10 Mar 76 (Eng. Abstr.) **(Ger)**
[Reaction of epidermis after long-term action of urea]

Wohlrab W, et al. **Dermatologica** 151(3):149–57, 1975 (Eng. Abstr.) **(Ger)**

[Heparin–urea complex and its biological properties] Liapina LA, et al. **Biol Nauki** (10):46–9, 1975 **(Rus)**

[Urea as a cryoprotective agent for bone marrow cells] Fedorov NA. **Biull Eksp Biol Med** 80(8):95–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Influence of low doses of a heparin–urea complex on the aggregation of thrombocytes and the fibrinolytic activity of blood in intravenous infusion and in in vitro experiments] Kudriashov BA, et al. **Farmakol Toksikol** 38(4):441–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Change in peroxidation and in the phospholipid content in the brain in hyperoxia and the protective action of urea] Krichevskaia AA, et al. **Ukr Biokhim Zh** 48(2):190–4, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Lysosome enzymes of brain in hyperoxia and under the effect of urea] Lukash AI, et al. **Ukr Biokhim Zh** 47(6):728–33, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Action of amantadine of fibroblasts tissue cultive. Urea interaction (author's transl)] Mundo Salvador A, et al. **Arch Farmacol Toxicol** 1(2):157–64, Aug 75 (Eng. Abstr.) **(Spa)**

POISONING

[Bromide concentrations in urine and blood in acute and chronic intoxications with bromurea derivatives] Helmer R, et al. **Beitr Gerichtl Med** 33:219–23, 1975 (Eng. Abstr.) **(Ger)**

[Chemical findings in bromine–urea derivative poisoning] Klug E. **Beitr Gerichtl Med** 32:173–80, 1974 (Eng. Abstr.) **(Ger)**

[Feed-related urea poisoning in ruminants. a survey (author's transl)] Froslie A. **Nord Vet Med** 28(1):40–50, Jan 76 (Eng. Abstr.) **(Nor)**

SECRETION

Urea secretion by the straight segment of the proximal tubule. Kawamura S, et al. **J Clin Invest** 58(3):604–12, Sep 76

THERAPEUTIC USE

The culturability of fibroblasts from the skin of abortuses after intra-amniotic instillation of urea or prostaglandin. Ju KS, et al. **Am J Obstet Gynecol** 125(8):1155, 15 Aug 76

Experimentally induced foot rot in feedlot cattle fed rations containing organic iodine (ethylenediamine dihydriodide) and urea. Berg JN, et al. **Am J Vet Res** 37(5):509–12, May 76

The action of a urea–lactic acid ointment in ichthyosis with particular reference to the thickness of the horny layer. Blair C. **Br J Dermatol** 94(2):145–53, Feb 76

The results of urea-treatment in liver maligancies. Danopoulos ED, et al. **Clin Oncol** 1(4):341–50, Dec 75

Topical treatment with urea–hydrocortisone in atopic dermatitis. A controlled study against betamethasone 17-valerate. Laurberg G. **Dermatologica** 151(1):30–3, 1975

The effect of urea peroxide on dilantin hyperplasia. Shupik GM, et al. **J Periodontol** 47(6):361–3, Jun 76

Induction of midtrimester abortion with intraamniotic urea, intravenous oxytocin and laminaria. Golditch IM, et al. **J Reprod Med** 15(6):225–8, Dec 75

Letter: The glue–ear syndrome. Bauer F. **Lancet** 2(7935):618, 27 Sep 75

[Changes in the oxygen tension of rat cerebral cortex subsequent to hyperoxia and the protective effect of urea] Kartashev IP, et al. **Fiziol Zh SSSR** 62(7):1062–7, Jul 76 (Eng. Abstr.) **(Rus)**

TOXICITY

The efficacy of protein supplementation in overcoming urea toxicity in sheep. Payne E, et al. **Br J Nutr** 35(1):47–54, Jan 76

Induction of mouse lung adenomas by amines or ureas plus nitrite and by N–nitroso compounds: effect of ascorbate, gallic acid, thiocyanate, and caffeine. Mirvish SS, et al. **J Natl Cancer Inst** 55(3):633–6, Sep 75

URINE

Changes in urea clearance after a single dose of diuretics during water diuresis. Stříbrná J, et al. **Curr Probl Clin Biochem** 4:140–8, 1975

The effects of insulin on urinary urea and ammonia production. Stein TP, et al. **J Clin Endocrinol Metab** 43(1):18–25, Jul 76

The excretion of urea by dogs following a meat meal. O'Connor WJ, et al. **J Physiol (Lond)** 256(1):93–102, Mar 76

Effects of dietary protein restriction and glucocorticoid administration on urea excretion in rats. Knepper MA, et al. **Kidney Int** 8(5):303–15, Nov 75

Letter: Amniotic fluid or maternal urine? Guibaud S, et al. **Lancet** 1(7962):746, 3 Apr 76

Proportions of ammonia, urea, urate and total nitrogen in avian urine and quantitative methods for their analysis on a single urine sample. McNabb FM, et al. **Poult Sci** 54(5):1498–505, Sep 75

Responses of growing pigs to combinations of essential amino acids. Fuller MF, et al. **Proc Nutr Soc** 34(3):99A–100A, Dec 75

Relationship between urine flow, glomerular filtration, and urine solute concentrations during prolonged heavy exercise. Refsum HE, et al. **Scand J Clin Lab Invest** 35(8):775–80, Dec 75

[Investigations into urea elimination in patients with advanced chronic renal failure during forced diuresis] Quirin H, et al. **Dtsch Med Wochenschr** 101(24):923–7, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[The effect of acute diuresis augmentation on urea and creatinine clearance in healthy people and in patients with chronic renal insufficiency (author's transl)] Endres P, et al. **Klin Wochenschr** 53(12):575–8, 15 Jun 75 (Eng. Abstr.) **(Ger)**

[Clearance of endogenous creatinine and urea in pregnant women with late toxemia kept on a diet containing different amounts of protein] Tushchenko VK, et al. **Vopr Pitan** (5):38–40, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Evaluation of the urinary and plasma urea ratio and osmolarity in newborn infants and malnourished children with pathological and normal renal function] Velázquez Jones L, et al. **Bol Med Hosp Infant Mex** 33(3):651–60, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Effect of proteins and urea on the renal concentrating ability after chronic water deprivation] Bergmann F, et al. **Medicina (B Aires)** 35(3):279–86, May–Jun 75 (Eng. Abstr.) **(Spa)**

UREAPLASMA

Cytotoxic effect of a T-strain mycoplasma (Ureaplasma urealyticum) on cultured normal human cells (wi-38). Masover GK, et al. **Exp Cell Res** 99(2):363–74, May 76

Production of mastitis in mice with human and bovine ureaplasmas (T–mycoplasmas). Howard CJ, et al. **J Med Microbiol** 8(4):523–9, Nov 75

ANALYSIS

The preparation of membranes of some human T–mycoplasmas and the analysis of their carbohydrate content. Whitescarver J, et al. **Proc Soc Exp Biol Med** 150(1):20–22, Oct 75

A study of the amino acids and proteins of some human T–mycoplasma membranes. Whitescarver J, et al. **Proc Soc Exp Biol Med** 151(1):68–71, Jan 76

DRUG EFFECTS

Tetracycline–resistant T–mycoplasmas (Ureaplasma urealyticum) from patients with a history of reproductive failure. Spaepen MS, et al. **Antimicrob Agents Chemother** 9(6):1012–8, Jun 76

ENZYMOLOGY

Localization of urease activity in Ureaplasma urealyticum cells. Vinther O. **Acta Pathol Microbiol Scand [B]** 84(4):217–24, Aug 76

GROWTH & DEVELOPMENT

Growth and effects of ureaplasmas (T mycoplasmas) in bovine oviductal organ cultures. Stalheim OH, et al. **Infect Immun** 13(3):915–25, Mar 76

Prolonged survival of Ureaplasma urealyticum in liquid culture. Windsor GD, et al. **J Med Microbiol** 9(1):101–3, Feb 76

IMMUNOLOGY

Comparison of antisera reactions against a T–strain mycoplasma grown in media with and without added urea. pp. 389–400. Masover GK, et al. **In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.**

ISOLATION & PURIFICATION

Quantitative relationship of Ureaplasma urealyticum to the clinical course of nongonococcal urethritis in the human male. pp. 375–9. Shepard MC. **In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.**

Infections of the genital and urinary tracts with mycoplasmas and ureaplasmas. pp. 53–62. Mårdh PA, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Differential agar medium (A7) for identification of Ureaplasma urealyticum (human T mycoplasmas) in primary cultures of clinical material. Shepard MC, et al. **J Clin Microbiol** 3(6):613–25, Jun 76

Significance of T–mycoplasmas in enzootic calf pneumonia. Shimizu T, et al. **Jpn J Vet Sci** 37(2):121–31, Apr 75

T–strain mycoplasma in the chimpanzee. Brown WJ, et al. **Lab Anim Sci** 26(1):81–3, Feb 76

METABOLISM

The urea requirement and urease production of some human species of T–mycoplasmas. Furness G, et al. **Proc Soc Exp Biol Med** 150(3):807–9, Dec 75

PATHOGENICITY

Pathogenicity of T–mycoplasmas in animals. pp. 365–74. Gourlay RN. **In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.** (19 ref.)

UREASE

An enzyme reactor electrode for urea determinations. Johansson G, et al. **Anal Chim Acta** 84(1):23–9, Jun 76

Urease catalysis and structure. X. Alternate bonding–site isozymes of jackbean urease. Fishbein WN, et al. **Arch Biochem Biophys** 172(2):726–33, Feb 76

The self–association of jack bean urease and its modification by silver ions. Kaneshiro CM, et al. **Arch Biochem Biophys** 174(2):647–50, Jun 75

Evidence for an active–inactive subunit complex in jack bean urease. Staples SJ, et al. **Arch Biochem Biophys** 174(2):651–7, Jun 75

Characterization of sand as a support for immobilized enzymes. Brotherton JE, et al. **Biotechnol Bioeng** 18(4):527–43, Apr 76

Urease–collagen–ion exchange membrane. Makamoto Y, et al. **Biotechnol Bioeng** 17(9):1387–9, Sep 75

Effects of immobilization on the kinetics of enzyme–catalyzed reactions. II. Urease in a packed–column differential reactor system. Ramachandran KB, et al. **Biotechnol Bioeng** 18(5):685–99, May 76

Rapid–flow enthalpimetric determination of urea in serum, with use of an immobilized urease reactor. Bowers LD, et al. **Clin Chem** 22(8):1314–8, Aug 76

Use of immobilised urease in a continuous flow method for the determination of plasma urea. James DR, et al. **Clin Chim Acta** 62(3):435–8, 4 Aug 75

Effect of 2–mercaptoethanol on cyanogen bromide cleavage of proteins. Sekita T, et al. **Keio J Med** 24(3):203–10, Jul 75

[Biological catalysis. The 50th anniversary of crystallization of urease by J. B. Sumner] Ostrowski W. **Postepy Biochem** 22(1):11–5, 1976 **(Pol)**

[Kinetics of the urea amido hydrolase (urease) of Citrullus vulgaris seeds] Hargreaves AB, et al. **An Acad Bras Cienc** 45(3–4):439–47, 1973 (Eng. Abstr.) **(Por)**

ANALYSIS

Enzyme analysis by means of the air–gap electrode—determination of urease and arginase by monitoring of the initial reaction rate. Larsen NR, et al. **Anal Chim Acta** 79:9–15, Oct 75

Biochemical assay by immobilized enzymes and a mass spectrometer. Weaver JC, et al. **Biochim Biophys Acta** 438(1):296–303, 7 Jun 76

A multiple–inoculation urea plane medium. Fuscoe FJ. **Med Lab Technol** 31(3):247–52, Jul 74

ANTAGONISTS & INHIBITORS

Inhibition of Jack Bean urease (EC 3.5.1.5) by acetohydroxamic acid and by phosphoramidate. An equivalent weight for urease. Dixon NE, et al. **J Am Chem Soc** 97(14):4130–1, 9 Jul 75

BIOSYNTHESIS

Unusual Enterobacteriaceae: a Salmonella cubana that is urease positive. Farmer JJ 3d, et al. **J Clin Microbiol** 1(1):106–7, Jan 75

Use of urease test disks in the identification of mycobacteria. Murphy DB, et al. **J Clin Microbiol** 1(5):465–8, May 75

The elimination of urease activity in Streptococcus faecium as evidence for plasmid–coded urease. Cook AR. **J Gen Microbiol** 92(1):49–58, Jan 76

The urea requirement and urease production of some human species of T–mycoplasmas. Furness G, et al. **Proc Soc Exp Biol Med** 150(3):807–9, Dec 75

[Repression of urease biosynthesis in Neurospora crassa by ammonium ions] Schluttig A, et al. **Z Allg Mikrobiol** 15(5):371–6, 1975 (Eng. Abstr.)

BLOOD

Enzyme loading of electrically homogeneous human red blood cell ghosts prepared by dielelctric breakdown. Zimmermann U, et al. **Biochim Biophys Acta** 436(2):460–74, 17 Jun 76

DIAGNOSTIC USE

[Enzymatic method of determination of urea] Chëvari S, et al. **Lab Delo** (6):353–5, 1975 **(Rus)**

ISOLATION & PURIFICATION

Aerobacter aerogenes PRL–R3 urease. Purification and properties. Kamel MY, et al. **Acta Biol Med Ger** 34(6):971–9, 1975 (Eng. Abstr.)

Letter: Jack bean urease (EC 3.5.1.5). A metalloenzyme. A simple biological role for nickel? Dixon NE, et al. **J Am Chem Soc** 97(14):4131–3, 9 Jul 75

METABOLISM

Localization of urease activity in Ureaplasma urealyticum cells. Vinther O. **Acta Pathol Microbiol Scand [B]** 84(4):217–24, Aug 76

Enzyme immobilization by adsorption on hydrophobic derivatives of cellulose and other hydrophilic materials. Butler LG. **Arch Biochem Biophys** 171(2):645–50, Dec 75

Determination of heat changes in the proximity of

immobilised enzymes with an enzyme thermistor and its use for the assay of metabolites. Mosbach K, et al. **Biochim Biophys Acta** 403(1):256–65, 22 Sep 75

Effect of hydroxamic acids on growth and urease activity in Corynebacterium renale. Nervig RM, et al. **Can J Microbiol** 22(4):544–54, Apr 76

The distribution of arginase and urease in marine invertebrates. Hanlon DP. **Comp Biochem Physiol [B]** 52(2):261–4, 15 Oct 75

Coupling of enzymes to polyacrylonitrile. Biondi PA, et al. **Eur J Biochem** 61(1):171–4, 2 Jan 76

Process of enzymatic immobilization of bacterial intervention in a polyacrylamide gel. Applications to the lactose and urea hydrolyses. pp. 1–7. Plichon B, et al.
In: Thomas D, Kernevez JP, ed. Analysis and control of immobilized enzyme systems. Amsterdam, North–Holland, 1976. QU 135 I5893a 1975.

Aspects of nitrogen excretion during aestivation in the amphibious snail Pila globosa (Swainson): evidence for enzyme urease susceptibility to neuroendocrine influence. Nayeemunnisa. **Indian J Exp Biol** 13(3):309–11, May 75

Studies on bovine rumen bacterial urease. Mahadevan S, et al. **J Anim Sci** 42(3):745–53, Mar 76

Interpretation of the kinetics of consecutive enzyme–catalyzed reactions. Studies on the arginase–urease system. Kuchel PW, et al. **J Biol Chem** 250(20):8222–7, 25 Oct 75

Urease activity in the rumen of sheep and the isolation of ureolytic bacteria. Cook AR. **J Gen Microbiol** 92(1):32–48, Jan 76

[Carbohydrate containing media for the detection of urease in 'Klebsiella'] Richard C. **Ann Microbiol (Paris)** 126(2):201–8, Sep 75 (Eng. Abstr.) **(Fre)**

[Effect of the temperature regimen on the kinetic and thermodynamic functions of the enzyme urease in the helminths of warm–blooded and cold–blooded animals] Shishova–Kasatochkina OA, et al. **Parazitologiia** 10(3):232–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Urease activity of Proteus] Lukach IG, et al. **Mikrobiol Zh** 37(6):752–4, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

Photocontrol of urease–collagen membrane activity. Karube I, et al. **Biochim Biophys Acta** 429(3):975–81, 13 May 76

URINE

Urease. The primary cause of infection–induced urinary stones. Griffith DP, et al. **Invest Urol** 13(5):346–50, Mar 76

URECHOLINE CHLORIDE see under **BETHANECHOL COMPOUNDS**

UREMIA

Diagnosis and successful surgical treatment of chronic constrictive uraemic pericarditis. Jenzer HR, et al. **Br Heart J** 38(3):304–6, Mar 76

Psychological approaches to study the uremic state. Murawski BJ. **Kidney Int [Suppl]** (2):206–9, Jan 75

[Clinical observations of curarine use in uremic patients] Ozanian V. **Khirurgiia (Sofiia)** 27(4):312–4, 1974 (Eng. Abstr.) **(Bul)**

[Respiratory function tests in chronic uremic patients] Pénzes I, et al. **Orv Hetil** 117(12):711–4, 21 Mar 76 **(Hun)**

[Physiopathology and pathogenesis of ictero–uremic syndromes] Amerio A. **Minerva Nefrol** 19(6):370–7, Nov–Dec 72 **(Ita)**

BLOOD

Comparison of circulating glycoprotein hormones and their subunits in patients with oat cell carcinoma of the lung and uraemic patients on chronic dialysis. Hagen C, et al. **Acta Endocrinol (Kbh)** 83(1):26–35, Sep 76

Somatomedin A in human serum, determined by radioreceptor assay. Takano K, et al. **Acta Endocrinol (Kbh)** 82(3):449–59, Jul 76

Studies on formation of complexes of insulin with basic peptides isolated from the plasma of uremic patients. Lutz W. **Acta Med Pol** 16(3):159–70, 1975

Folic acid binding protein and folate balance in uremia. Paine CJ, et al. **Arch Intern Med** 136(7):756–60, Jul 76

Chemical analytic approaches to the definition of uremic toxins. Furst P, et al. **Ateneo Parmense [Acta Biomed]** 46(5):307–16, Sep–Oct 75

Uric acid: binding levels of urate ions in normal and uraemic plasma, and in human serum albumin. Farrell PC, et al. **Biochem Pharmacol** 24(20):1885–7, 15 Oct 75

Protein binding of drugs in uremic and normal serum: the role of endogenous binding inhibitors. Sjöholm I, et al. **Biochem Pharmacol** 25(10):1205–13, 15 May 76

Factors which affect erythropoiesis in partially nephrectomized and sham–operated rats. Anagnostou A, et al. **Blood** 48(3):425–33, Sep 76

Plasma free amino acids in the chronically uremic rat. Mannan A, et al. **Clin Biochem** 8(5):303–6, Oct 75

Measurement of diphenylhydantoin in 0.1–ml plasma samples: gas chromatography and radioimmunoassay compared. L'Estrange Orme M, et al. **Clin Chem** 22(2):246–9, Feb 76

Reversed–phase liquid–chromatographic analysis of hemodialysate from uremic patients. Senftleber FC, et al. **Clin Chem** 22(9):1522–7, Sep 76

Identification of beta–aminoisobutyric acid in uremic serum. Gejyo F, et al. **Clin Chim Acta** 70(3):407–15, 2 Aug 76

Plasma lysolecithin in uraemia. Schardt W, et al. **Clin Chim Acta** 63(2):223–5, 1 Sep 75

Uremic middle molecules. Bergström J, et al. **Clin Nephrol** 5(4):143–52, Apr 76

Determination of endogenous middle molecules in normal and uremic body fluids. Fürst P, et al. **Clin Nephrol** 3(2):178–88, Apr 76

Impaired plasma protein binding of phenytoin in uremia and displacement effect of salicylic acid. Odar–Cederlöf I, et al. **Clin Pharmacol Ther** 20(1):36–47, Jul 76

Leucocyte sodium transport in uraemia. Edmondson RP, et al. **Clin Sci Mol Med** 49(3):213–6, Sep 75

Lipids and lipoproteins in chronic uraemia. A study of the influence of regular haemodialysis. Daubresse JC, et al. **Eur J Clin Invest** 6(2):159–66, 31 Mar 76

Increased albumin catabolism in early uremia as a cause of protein depletion. pp. 371–8. Bianchi R, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

Albumin depletion in uremic patients on conservative management. pp. 237–50. Bianchi R, et al.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

Inhibitory effects of uremic serum on heme synthesis and erythroid colony formation in bone marrow cultures. pp. 15–22. Moriyama Y, et al.
In: Nakao K, et al., ed. Erythropoiesis. Baltimore, Univ Park Press, 1975. W3 IN1746 1974e.

Effects of pregnancy on the development of acute uremic syndrome in the rat. Nitzan M, et al. **Isr J Med Sci** 12(2):129–33, Feb 76

Opsonic capacity of serum in uremic patients. Chen WY, et al. **J Formosan Med Assoc** 74(7):461–8, Jul 75

Effects of chronic uremia, hemodialysis, and renal transplantation on plasma lipids and lipoproteins in man. Bagdade J, et al. **J Lab Clin Med** 87(1):38–48, Jan 76

Correction of protein binding defect in uremic sera by charcoal treatment. Craig WA, et al. **J Lab Clin Med** 87(4):637–47, Apr 76

Erythropoietin activity in acutely uremic mice. Mirand EA, et al. **J Med** 6(3–4):261–70, 1975

Proceedings: Some pharmacological studies on uraemia. Clissold SP, et al. **J Pharm Pharmacol** 27 Suppl?–2:37P, Dec 75

Shortened red blood cell survival in uremic patients: beneficial and deleterious effects of dialysis. Jacob HS, et al. **Kidney Int [Suppl]** (2):139–43, Jan 75 (9 ref.)

Letter: Uraemia, gram–negative sepsis, and gentamicin assays. Shanson DC, et al. **Lancet** 2(7940):875, 1 Nov 75

Functional and metabolic studies on red blood cell sodium transport in chronic uremia. Kramer HJ, et al. **Nephron** 16(5):344–58, 1976

Serum lipids in uraemic patients on regular haemodialysis. Pierides AM, et al. **Proc Eur Dial Transplant Assoc** 12:397–402, 1976

Effects of proteolytic encymes on uremic serum inhibition of hepatic and renal transport functions. White AG, et al. **Proc Soc Exp Biol Med** 150(1):261–3, Oct 75

Serum gastrin response to food stimulation in male azotemic patients. Gedde–Dahl D. **Scand J Gastroenterol** 10(7):683–7, 1975

Heparin elimination in uraemic patients on Haemodialysis. Teien AN, et al. **Scand J Haematol** 17(1):29–35, Jul 76

Serum gastrin in patients with azotemia. Gedde–Dahl D, et al. **Scand J Urol Nephrol** (29 Suppl):25–7, 6–7 Mar 75

Lymphocyte subpopulations in uremics and in transplanted patients. Krzymanski M, et al. **Scand J Urol Nephrol** (29 Suppl):37–40, 6–7 Mar 75

Energy production and utilization by human platelets in the presence of some guanidines and phenols (uremic toxins) that inhibit aggregation. Carroll HJ. **Thromb Diath Haemorrh** 34(1):63–71, 30 Sep 75

Tin–protein binding kinetics in normal and uremic plasma and its effect on dialysis fluxes. Maher JF, et al. **Trans Am Soc Artif Intern Organs** 22:149–54, 1976

[Significance of the Giovanetti diet for hyperlipemia in uremic patients] Juhl SE. **Ugeskr Laeger** 138(33):1996–8, 9 Aug 76 (Eng. Abstr.) **(Dan)**

[Comparative studies on the volume frequency distribution of functionally impaired thrombocytes with special reference to uremic thrombocytopathy] Angelkort B, et al. **Med Welt** 26(38):1702–3, 19 Sep 75 **(Ger)**

[Disorders of thrombocyte function in long–term dialysis. Inhibition of thrombocyte aggregation as a measure of uremia–toxin efficacy] Vonend E, et al. **Med Welt** 26(43):1965–70, 24 Oct 75 **(Ger)**

[Comparative serum examinations in the early diagnosis of azotemias] Herrmann F. **Z Allgemeinmed** 51(27):1192–4, 30 Sep 75 **(Ger)**

[Dialysis of methylguanidine and hypothesis on the middle molecules] Barsotti G, et al.
Ateneo Parmense [Acta Biomed] 46(5):317–30, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Middle molecules separation from uraemic serum (author's transl)] Dall'aglio P, et al.
Ateneo Parmense [Acta Biomed] 46(5):331–44, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Research on some factors of hemostasis in patients with chronic uremia during conservative and dialytic therapy] Fiorio P, et al. **Minerva Nefrol** 22(2–3):83–7, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

[Control by means of Computer control of the hematochemical picture in chronic uremic patients undergoing periodic hemodialysis treatment] Novario PG, et al. **Minerva Nefrol** 21(5):347–59, Sep–Oct 74 **(Ita)**

CEREBROSPINAL FLUID

Acute uremic encephalopathy in the rat: defective sink action of the cerebrospinal fluid for acid metabolites. Mann JD, et al. **Trans Am Neurol Assoc** 100:218–20, 1975

CHEMICALLY INDUCED

Toxicity arising from guanidine compounds: role of methylguanidine as a uremic toxin. Barsotti G, et al. **Kidney Int [Suppl]** (3):299–301, Feb 75

COMPLICATIONS

Bladder dysfunction in uremic patients. Mosconi CE, et al. **Acta Urol Belg** 42(4):418–20, Oct 74

Anesthetic considerations for pericardectomy in uremic pericardial effusion. Konchigeri HN, et al. **Anesth Analg (Cleve)** 55(3):378–82, May–Jun 76

Hypertension and renal disease in systemic lupus erythematosus. Budman DR, et al. **Arch Intern Med** 136(9):1003–7, Sep 76

Reversal of intractable uremic pericarditis by triamcinolone hexacetonide. Fuller TJ, et al. **Arch Intern Med** 136(9):979–82, Sep 76

Letters: Uraemic bullae. Coles GA, et al. **Br Med J** 2(6034):525–6, 28 Aug 76

Management of uraemic pericarditis. Kramer P, et al. **Br Med J** 4(5996):564–6, 6 Dec 75

Letter: False positive pregnancy test in uraemia. Seedat YK. **Br Med J** 3(5981):490, 23 Aug 75

Uremic pericarditis as a cause of cardiac tamponade. Baldwin JJ, et al. **Circulation** 53(5):896–901, May 76

Techniques of EEG frequency analysis for evaluation of uremic encephalopathy. Kiley JE, et al. **Clin Nephrol** 5(6):279–85, Jun 76

Uremic pericarditis: a prospective echocardiographic and clinical study. Wray TM, et al. **Clin Nephrol** 6(1):295–302, Jul 76

Nonsurgical therapy of cardiac tamponade in uremia. pp. 107–14. Buselmeier TJ, et al.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.

A memory defect in uremic encephalopathy. Heilman KM, et al. **J Neurol Sci** 26(2):245–9, Oct 75

Uremic stomatitis: report of a case. Larato DC. **J Periodontol** 46(12):731–3, Dec 75

Nephrectomy for renovascular hypertension in azotemic patients. Haines JG, et al. **J Urol** 114(6):828–31, Dec 75

Subacute constrictive uremic pericarditis. Survival after pericardiectomy. Pillay VK, et al. **JAMA** 235(13):1351–2, 29 Mar 76

Uremic encephalopathy: studies on biochemical alterations in the brain. Arieff AI, et al. **Kidney Int [Suppl]** (2):194–200, Jan 75

Atherosclerosis in patients undergoing maintenance hemodialysis. Bagdade JD. **Kidney Int [Suppl]** (3):370–2, Feb 75

Hypertension of chronic renal failure: role of sodium and the renal pressor system. del Greco F, et al. **Kidney Int [Suppl]** (2):176–83, Jan 75 (59 ref.)

The role of hemodialysis in the hematologic disorders of uremia. Desforges JF. **Kidney Int [Suppl]** (2):123–8, Jan 75 (63 ref.)

Detection and evaluation of uremic peripheral neuropathy in patients on hemodialysis. Dyck PJ, et al. **Kidney Int [Suppl]** (2):201–5, Jan 75

Neuropathy and 'middle' molecule toxins. Funck–Brentano JL, et al. **Kidney Int [Suppl]** (3):352–6, Feb 75

Neurobehavioral dysfunction in uremia. Ginn HE. **Kidney Int [Suppl]** (2):217–21, Jan 75

Hemodynamics of hypertension in uremia. Kim KE, et al. **Kidney Int [Suppl]** (2):155–62, Jan 75

Cardiovascular disease in uremic patients on hemodialysis. Lazarus JM, et al. **Kidney Int [Suppl]** (2):167–75, Jan 75 (56 ref.)

Uremic pericarditis: a review of incidence and management. Marini PV, et al. **Kidney Int [Suppl]** (2):163–6, Jan 75 (29 ref.)

Introduction: adequacy of dialysis in treatment and prevention of cardiovascular complications. Merrill JP. **Kidney Int [Suppl]** (2):154, Jan 75

Electroencephalographic and other neurophysiological abnormalities in uremia. Teschan PE. **Kidney Int [Suppl]** (2):210–6, Jan 75

Neurological aspects of uremia: an overview. Tyler HR. **Kidney Int [Suppl]** (2):188–93, Jan 75 (55 ref.)

Effect of renal transplantation of uraemic neuropathy. Ibrahim MM, et al. **Lancet** 2(7883):739–42, 28 Sep 74

Letter: Cobalt intoxication in uraemic myocardiopathy? Lins LE, et al. **Lancet** 1(7970):1191–2, 29 May 76

Parathyroid hormone and vertebral osteosclerosis in uremic patients. Campos C, et al. **Metabolism** 25(5):495–501, May 76

Hypercalcemia in acute uremia and following citric acid administration: differential effect on parathyroid gland microtubule content. Reaven GM, et al. **Metabolism** 25(2):203–9, Feb 76

Letter: Neurologic disorders in uremia. N **Engl J Med** 294(18):1009–10, 29 Apr 76

Neurologic disorders in renal failure (first of two parts). Raskin NH, et al. **N Engl J Med** 294(3):143–8, 15 Jan 76 (69 ref.)

Neurologic disorders in renal failure (second of two parts). Raskin NH, et al. **N Engl J Med** 294(4):204–10, 22 Jan 76

Uremic pericardial effusion. Treatment by catheter drainage and local nonabsorbable steroid administration. Buselmeier TJ, et al. **Nephron** 16(5):371–80, 1976

Letter: Specific uremic cardiomyopathy. Zebe H, et al. **Nephron** 16(6):474–5, 1976

Electrophysiologic changes in uremic neuropathy after successful renal transplantation. Bolton CF. **Neurology (Minneap)** 26(2):152–61, Feb 76

Pericarditis during chronic haemodialysis therapy. Mitchell AG. **Postgrad Med J** 50(590):741–5, Dec 74

Local steroid treatment of intractable ascites in dialysis patients. Buselmeier TJ, et al. **Proc Clin Dial Transplant Forum** 5:9–11, Nov 75

Studies of the probable sites and nature of calcium malabsorption in uremic patients and those undergoing hemodialysis. Coburn JW, et al. **Proc Clin Dial Transplant Forum** 2:112–5, 1972

The role of inhibitors of heme synthesis and bone marrow erythroid colony forming cells in the mechanism of anemia of renal insufficiency. Fisher JW, et al. **Proc Clin Dial Transplant Forum** (4):141–6, 1974

Erythropoietin production and inhibitors in serum in the anemia of uremia. Fisher JW, et al. **Proc Clin Dial Transplant Forum** 3:22–32, 1973

Treatment of uremic pericardial effusion. Goldberg M, et al. **Proc Clin Dial Transplant Forum** 5:20–5, Nov 75

Assessment of central nervous system function in uremia. Miller JH, et al. **Proc Clin Dial Transplant Forum** (4):156–9, 1974

Sexual dysfunction in uremia. O'Brien KM, et al. **Proc Clin Dial Transplant Forum** 5:98–101, Nov 75

Chronic hemodialysis and dental disease. Rivas MA, et al. **Proc Clin Dial Transplant Forum** 2:63–6, 1972

Natural course of secondary hyperparathyroidism after successful renal transplantation. Roof BS, et al. **Proc Clin Dial Transplant Forum** 1:11–20, 1971

Investigations on clinico-chemical correlations in uraemic polyneuritis. Man NK, et al. **Proc Eur Dial Transplant Assoc** 11:214–21, 1975

Studies on the nature and causes of hyperlipidaemia in uraemia, maintenance dialysis and renal transplantation. Ibels LS, et al. **Q J Med** 44(176):601–14, Oct 75

Myopathy in experimental uremia. Bundschu HD, et al. **Res Exp Med (Berl)** 165(3):205–12, 24 Sep 75

Cardiovascular disease in uremic patients on hemodialysis. Lazarus JM, et al. **RI Med J** 59(2):57–64, 72–4, Feb 76 (56 ref.)

Mechanism(s) of hyperlipidemia in chronic uremia. Bagdade JD, et al. **Trans Am Soc Artif Intern Organs** 22:42–5, 1976

[Electrophysiological examination of uremic neuropathy (author's transl)] Rauser V. **Cas Lek Cesk** 114(24):734–9, 13 Jun 75 (Eng. Abstr.) **(Cze)**

[Uremic osteodystrophy] Schaadt O, et al. **Ugeskr Laeger** 137(34):1934–8, 18 Aug 75 (0 ref.) (Eng. Abstr.) **(Dan)**

[Cardiopulmonary complications in chronic uremic states] Canini R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:426–7, 1975 **(Fre)**

[Effect of higher molecular urine metabolites on lymphocyte transformation and autohemolysis (author's transl)] Korz R, et al. **Klin Wochenschr** 53(16):761–6, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Management of slipped epiphyses in renal osteodystrophy (author's transl)] Mehls O, et al. **Klin Wochenschr** 54(9):405–13, 1 May 76 (Eng. Abstr.) **(Ger)**

[Osteopathy and growth retardation of the child's skeleton in uremia] Ritz E, et al. **Med Welt** 26(52):2321–4, 26 Dec 75 **(Ger)**

[Hemostaseopathies in chronic, azotemic renal insufficiency. Pathogenesis, diagnosis, treatment (author's transl)] Marx R, et al. **Munch Med Wochenschr** 117(32–33):1295–1300, 8 Aug 75 (Eng. Abstr.) **(Ger)**

[Letter: Villous rectal adenoma with hypotonic dehydratation and the extrarenal uremia] Schega W. **Munch Med Wochenschr** 118(32–33):1019, 6 AUG 76 **(Ger)**

[Heart-blood-pool scintigraphy in dialyzed chronic uremic patients)] Nagy ES, et al. **Nuklearmedizin** 15(2):75–6, Apr 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Clinical aspects, hemodynamics and successful surgical rehabilitation of chronic constrictive uremic pericarditis] Jenzer HR, et al. **Schweiz Med Wochenschr** 105(44):1480, 1 Nov 75 **(Ger)**

[Experimental studies on 'uremic gastritis'] Ritz E, et al. **Verh Dtsch Ges Inn Med** 81:961–3, 1975 **(Ger)**

[Uremic pericarditis with hemopericardium] Sasdelli M, et al. **G Clin Med** 55(12):834–56, Dec 74 (Eng. Abstr.) **(Ita)**

[Testosterone in the therapy of anemia in the uremic patient treated by periodic hemodialysis] Brancaccio D, et al. **Minerva Nefrol** 19(4):269–73, Jul–Aug 72 **(Ita)**

[Ictero-uremigenic cholangitis] Coratelli P, et al. **Minerva Nefrol** 19(6):341–50, Nov–Dec 72 **(Ita)**

[Some aspects of erythrocythemia in the patient with chronic uremia] Lamperi S, et al. **Minerva Nefrol** 19(2):83–92, Mar–Apr 72 **(Ita)**

[Translumbar pyelography in the diagnosis of obstructive nephropathy in uremic phase] Maggiore Q, et al. **Minerva Nefrol** 22(2–3):119–25, Mar–Jun 75 (Eng. Abstr.) **(Ita)**

[Anemia in chronic uremia. Its variations after bilateral nephrectomy and renal homologous transplantation] Quarto Di Palo F, et al. **Minerva Nefrol** 19(3):154–6, May–Jun 72 **(Ita)**

[Metabolic changes in chronic uremia and their modification after low-protein diet, periodic dialysis and renal transplantation] Scolari MP, et al. **Minerva Nefrol** 22(1):45–53, Jan–Feb 75 **(Ita)**

[Treatment using polystyrolsulfonic resin in the calcic stage of hyperkalemia in subjects with chronic uremia receiving and not receiving a periodic hemodialysis treatment] Sorice PS, et al. **Minerva Nefrol** 18(6):302–8, Nov–Dec 71 (Eng. Abstr.) **(Ita)**

[Ictero-uremic syndromes. II. Introduction] Vercellone A. **Minerva Nefrol** 19(6):327–8, Nov–Dec 72 **(Ita)**

[Advances in nephrology. Uremic cardiomyopathy] Sicinski A. **Pol Arch Med Wewn** 55(1):89–97, Jan 76 **(Pol)**

[Exploration in vivo of the uremic lung, using radioisotope methods (personal contributions)] Lungu-Birnaş M, et al. **Rev Med Intern [Med Intern]** 27(1):43–9, Jan–Feb 75 (Eng. Abstr.) **(Rum)**

[Uremic polyneuropathy in patients treated by chronic hemodialysis] Ostroumova IV. **Sov Med** (7):55–60, Jul 75 (80 ref.) **(Rus)**

[Uremic polyneuropathies] Shumakov VI, et al. **Zh Nevropatol Psikhiatr** 75(9):1298–303, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[The clinical importance of angiography in the diagnosis of periarteritis nodosa] Hermanutz KD, et al. **Roentgenblaetter** 28(8):339–48, Aug 75 (Eng. Abstr.) **(Ger)**

[Ictero-uremic syndromes in pregnancy] Mastrangelo F, et al. **Minerva Nefrol** 19(6):329–40, Nov–Dec 72 **(Ita)**

[Clinico-functional diagnosis and therapeutic reflections of ictero-uremic syndromes] Pastore G, et al. **Minerva Nefrol** 19(6):363–9, Nov–Dec 72 **(Ita)**

[Hyperuricemic acute renal failure: a case of acute lymphoblastic leukemia] Sánchez Casajus A, et al. **Rev Clin Esp** 140(4):383–6, 29 Feb 76 **(Spa)**

DIET THERAPY

Experience with essential amino acids in the treatment of patients with chronic uremia. Ahlberg M, et al. **Infusionstherapie** 2(3):151–7, Jun 75

Uremic neuropathy. III. Controlled study of restricted protein and fluid diet and infrequent hemodialysis versus conventional hemodialysis treatment. Dyck PJ, et al. **Mayo Clin Proc** 50(11):641–9, Nov 75

Guidelines for the conservative treatment of chronic uraemia. Monasterio G. **Minerva Nefrol** 19(1):2–6, Jan–Feb 72

Essential amino acids in the treatment of advanced uremia: twenty-two months' experience in a 5-year-old girl. Aronson AS, et al. **Pediatrics** 56(4):538–43, Oct 75

[Essential amino acids in parenteral feeding in so-called postoperative azotemia] **Infusionstherapie** 2(1):16–7, Feb 75 **(Ger)**

[Indications for treatment with low-protein diet and essential amino acids in uremia] Attman PO, et al. **Lakartidningen** 72(34):3131–4, 20 Aug 75 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Letter: Carbamazepine in uremic neuropathy. Zarday Z, et al. **Ann Intern Med** 84(3):296, Mar 76

Oxycellulose and ammonia-treated oxystarch as insoluble polyaldehydes in uremia. Giordano C, et al. **Kidney Int [Suppl]** (3):380–2, Feb 75

Letter: 1alpha-H.C.C. in chronic renal failure. Brancaccio D, et al. **Lancet** 1(7974):1418, 26 Jun 76

The effective use of nandrolone decanoate in the management of the anemia of uremia: a prospective study. Armitage JO, et al. **Nebr Med J** 61(6):202–6, Jun 76

Possible aluminum intoxication. **Nutr Rev** 34(6):166–7, Jun 76 (8 ref.)

Strategy for lupus nephritis. Friedman EA, et al. **Proc Clin Dial Transplant Forum** 5:106–8, Nov 75

Long-term treatment of uraemic osteodystrophy with 1-alpha-hydroxycholecalciferol. Nielsen SP, et al. **Proc Eur Dial Transplant Assoc** 12:221–6, 1976

[Osteomalacia from phosphate-binding substances (author's transl)] Emanuelli C, et al. **Ateneo Parmense [Acta Biomed]** 46(6):577–87, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Clinical significance of vitamin D metabolites] Araszkiewicz Z. **Pol Arch Med Wewn** 54(4):387–93, Oct 75 **(Pol)**

ENZYMOLOGY

Influence of calcitonin on activity of selected enzymes in plasma of rats with experimental uremia. Mądry K, et al. **Acta Med Pol** 16(4):231–8, 1975

Letter: Transaminase levels in azotemia. Chang BS, et al. **Ann Intern Med** 85(2):255–7, Aug 76

Observations on decreased serum glutamic oxalacetic transaminase (SGOT) activity in azotemic patients. Cohen GA, et al. **Ann Intern Med** 84(3):275–80, Mar 76

Arginase activity of human erythrocyte ghosts in uremia. Silva AD, et al. **Biomedicine [Express]** 23(8):307–9, 20 OCT 75

Plasma post-heparin lipolytic activity and triglyceride clearance in uremic and hemodialysis patients and renal allograft recipients. Ibels SL, et al. **J Lab Clin Med** 87(4):648–58, Apr 76

Plasma and red cell cholinesterase activity in uremic patterns (effects of hemodialysis and renal transplantation). Zarday Z, et al. **J Med** 6(5–6):337–49, 1975

Alterations of monoamine oxidas activity in uremia. Tam CF, et al. **Kidney Int [Suppl]** (3):328–32, Feb 75 (29 ref.)

Monoamine and diamine oxidase activities in uremic rats. Wang M, et al. **Life Sci** 17(4):653–8, 15 Aug 75

Porphobilinogen and porphyrin synthesis in reticulocytes from uraemic patients. Leber HW, et al. **Proc Eur Dial Transplant Assoc** 11:383–90, 1975

[The effect of 'uremia toxins' on the enzymes of the active electrolyte transport] Wizemann V, et al. **Med Welt** 26(48):2167–8, 28 Nov 75 **(Ger)**

[Behavior of some enzyme activities in the lymphocytes of the uremic patient] Esposito R, et al. **Minerva Nefrol** 19(3):185–6, May–Jun 72 **(Ita)**

ETIOLOGY

Pathogenesis of the uremic state: a new perspective. Bricker NS, et al. **Adv Nephrol** 2:263–76, 1972

Editorial: Cause of azotemia after gastrointestinal hemorrhage. Examining an old wives' tale. Moss G. **Am J Surg** 130(3):269, Sep 75

Reversible lymphomatous non-obstructive uropathy. Jones WG. **Br J Urol** 47(5):524, Oct 75

Acute reversible uremia with ascaris infestation. Santhanakrishnan BR, et al. **Indian J Med Sci** 28(11):501–3, Nov 74

Klebsiella pneumoniae and Staphylococcus aureus infection in mice: difference in uremia and ammoniagenesis. Walker RI, et al. **Infect Immun** 12(3):571–5, Sep 75

Toxicity arising from the urea cycle. Cohen BD, et al. **Kidney Int [Suppl]** (3):285–7, Feb 75

Studies on the molecular etiology of uremia. Gotch FA, et al. **Kidney Int [Suppl]** (3):276–9, Feb 75

The search for the uremic toxin(s). Schreiner GE. **Kidney Int [Suppl]** (3):270–1, Feb 75

Evidence for toxins of 'middle' molecular weight. Scribner BH, et al. **Kidney Int [Suppl]** (3):349–51, Feb 75 (13 ref.)

Strategy for lupus nephritis. Friedman EA, et al. **Proc Clin Dial Transplant Forum** 5:106–8, Nov 75

Inhibition of cell proliferation in renal failure and its significance to the uraemic syndrome: a review. McDermott FT, et al. **Scott Med J** 20(6):317–27, Nov 75

[Villous adenoma of the rectum with hypotensive dehydration and extrarenal uremia (author's transl)] Weise HJ, et al. **Munch Med Wochenschr** 118(14):435–8, 2 Apr 76 (Eng. Abstr.) **(Ger)**

[Several cases of uremigenic cholangitis] Cavatorta F, et al. **Arch E Maragliano Patol Clin** 30(2):271–81, Jul–Dec 74 **(Ita)**

[2 cases of gout with acute knee conditions as major symptoms but resulting in a fatal outcome in a relatively short time] Hori J, et al. **Ryumachi** 15(2):154–60, Jul 75 (Eng. Abstr.) **(Jpn)**

[Case of bilateral traumatic renal damage with uremia] Gajewski H, et al. **Pol Przegl Chir** 47(11A):1469–70, Nov 75 (Eng. Abstr.) **(Pol)**

[Uremigenic cholangitis] Sandu L, et al. **Rev Chir [Chir]** 24(3):229–33, May–Jun 75 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

A decrease in cell-mediated immunity in uremia associated with an increase in activity of suppressor cells. Raskova J, et al. **Am J Pathol** 84(1):1–10, Jul 76

In vitro reactivity of lymphocytes obtained from uraemic patients maintained by heamodialysis. Sengar DP, et al. **Clin Exp Immunol** 21(2):298–305, Aug 75

Lymphocytotoxins and mixed leucocyte culture blocking factor activity in the plasma of uraemic patients undergoing haemodialysis. Sengar DP, et al. **Clin Exp Immunol** 20(2):249–55, May 75

Cytotoxic and proliferative responses of human thoracic duct lymphocytes: effect of thoracic duct drainage in uremic patients. Cordier G, et al. **Clin Immunol Immunopathol** 5(3):351–9, May 76

Impaired phagocytic activity of human monocytes in respect to reduced antibacterial resistance in uremia. Urbanitz D, et al. **Clin Nephrol** 4(1):13–7, Jul 75

Mechanism of inhibition of adoptive transfer of tuberculin sensitivity in acute uremia. Johnston MF, et al. **J Lab Clin Med** 87(3):457–61, Mar 76

Chemotaxis of the polymorphonuclear leukocyte and delayed hypersensitivity in uremia. Baum J, et al. **Kidney Int [Suppl]** (2):147–53, Jan 75

Influence of middle-sized molecule aggregates from dialysate of uremic patients on lymphocyte transformation in vitro. Hanicki Z, et al. **Nephron** 17(1):73–80, 1976

Uremia as a state of immune deficiency. Birkeland SA. **Scand J Immunol** 5(1–2):107–15, 1976

Immunodeficiency in chronic uremia. Preliminary evidence for thymosin deficiency. Harris J, et al. **Transplantation** 20(2):176–8, Aug 75

[A correlation between histocompatibility antigens HL-A 1 and 8 and an improved defense in the chronic uremic patient against hepatitis B virus] Jungers P, et al. **C R Acad Sci [D] (Paris)** 281(10):675–8, 8 Sep 75 (Eng. Abstr.) **(Fre)**

[Immune mechanisms in uremia] Dobbelstein H. **Klin Wochenschr** 53(10):461–6, 15 May 75 (Eng. Abstr.)

(Ger)
[Further investigations on cellular immunodeficiency in uraemic patients and the effect of haemodialysis (author's transl)] Reis HE, et al. **Klin Wochenschr** 53(10):467–72, 15 May 75 (Eng. Abstr.) (Ger)

METABOLISM

The influence of strongly basic uremic peptide on liberation of lipoprotein lipase activity from human adipose cells. Lutz W. **Acta Med Pol** 17(1):55–70, 1976

Iron absorption in patients with chronic uremia undergoing regular hemodialysis. Milman N, et al. **Acta Med Scand** 199(1–2):113–9, 1976

In vitro polarographic studies of rat brain oxygen uptake in simulated uraemia and hepatic coma. Claveria LE, et al. **Acta Neurol Scand** 54(3):256–68, Sep 76

Trapping of urea and ammonia in the gut of uremic patients. Giordano C, et al. **Adv Nephrol** 2:251–62, 1972

Effect of diet on serum accumulation and renal excretion of aryl acids and secretory activity in normal and uremic man. Cathcart-Rake W, et al. **Am J Clin Nutr** 28(10):1110–5, Oct 75

Vitamin B6 deficiency in uremia. Stone WJ, et al. **Am J Clin Nutr** 28(9):950–7, Sep 75

The nature of the collagen cross-links in bone in the chronic uraemic state. Russell JE, et al. **Biochem J** 145(1):119–20, Jan 75

Uremic toxins. Cohen BD. **Bull NY Acad Med** 51(11):1228–34, Dec 75 (38 ref.)

Ca transport of sarcoplasmic reticulum during experimental uremia. Heimberg KW, et al. **Calcif Tissue Res** 21 Suppl:53–8, Aug 76

Drug metabolism in uremia. Reidenberg MM. **Clin Nephrol** 4(3):83–5, 1975 (108 ref.)

Hypergastrinemia and gastric acid hypersecretion in uremia. Sullivan SN, et al. **Clin Nephrol** 5(1):25–8, Jan 76

Pharmacokinetics and hemodialyzability of cefazolin in uremic patients. Craig CP, et al. **Clin Pharmacol Ther** 19(6):825–9, Jun 76

Active Ca transport of sacroplasmic reticulum during experimental uremia. Changes in kinetics and lipid composition. Heimberg KW, et al. **Eur J Biochem** 61(1):207–13, 2 Jan 76

Effects of haemodialysis on fractional intestinal absorption of calcium in uraemia. Chanard JM, et al. **Eur J Clin Invest** 6(3):261–4, 21 Jun 76

Reduction of gastric ammonia by ampicillin in normal and azotemic subjects. Meyers S, et al. **Gastroenterology** 70(2):244–7, Feb 76

Abnormal intestinal bile acid distribution in azotaemic man: a possible role in the pathogenesis of uraemic diarrhoea. Gordon SJ, et al. **Gut** 17(1):58–67, Jan 76

Fluorine-18 metabolism in the acutely uremic rat. Frascino JA, et al. **Health Phys** 29(2):279–83, Aug 75

Diabetic and uremic coma. pp. 325–39. Gottstein U. **In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.**

Bone pyrophosphate in uremia and its association with extraosseous calcification. Alfrey AC, et al. **J Clin Invest** 57(3):700–5, Mar 76

Extraosseous calcification. Evidence for abnormal pyrophosphate metabolism in uremia. Alfrey AC, et al. **J Clin Invest** 57(3):692–9, Mar 76

Influence of uremia and hemodialysis on the turnover and metabolic effects of glucagon. Sherwin RS, et al. **J Clin Invest** 57(3):722–31, Mar 76

The roles of renal catabolism and uremia in modifying the clearance of fibrinogen and its degradative fragments D and E. Iio A, et al. **J Lab Clin Med** 87(6):934–46, Jun 76

Inhibition of the membrane transport of folates by anions retained in uremia. Jennette JC, et al. **J Lab Clin Med** 86(5):834–43, Nov 75

Effect of uremia on rates of ethanol disappearance from the blood and on the activities of the ethanol-oxidizing enzymes. Mezey E, et al. **J Lab Clin Med** 86(6):931–7, Dec 75

The effect of uremia on penicillin flux between blood and cerebrospinal fluid. Spector R, et al. **J Lab Clin Med** 87(5):749–59, May 76

Skeletal resistance to the calcemic action of parathyroid hormone in uremia: role of 1,25 (OH)2 D3. Massry SG, et al. **Kidney Int** 9(6):467–74, Jun 76

Calcium-binding protein in the duodenal mucosa of uremic patients and normal subjects. Piazolo P, et al. **Kidney Int** 8(2):110–8, Aug 75

Effect of 25-hydroxycholecalciferol on calcium absorption in chronic renal disease. Rutherford WE, et al. **Kidney Int** 8(5):320–4, Nov 75

Mineral metabolism in uremia. Alfrey AC, et al. **Kidney Int [Suppl]** (2):85–9, Jan 75

Intracellular free amino acids in uremic patients as influenced by amino acid supply. Bergström J, et al. **Kidney Int [Suppl]** (3):345–8, Feb 75

On the mechanism and nature of the defect in intestinal absorption of calcium in uremia. Brickman AS, et al. **Kidney Int [Suppl]** (2):113–7, Jan 75

Muscle glucose content and hexokinase activity in patients with chronic uremia. Fiaschi E, et al. **Kidney Int [Suppl]** (3):341–4, Feb 75

Separation of peptides of 'middle' molecular weight from biological fluids of patients with uremia. Fürst P, et al. **Kidney Int [Suppl]** (3):272–5, Feb 75

Adverse effects among amino acids in uremia. Giordano C, et al. **Kidney Int [Suppl]** (3):306–10, Feb 75

Effects of calcium and phosphorus on patients maintained on dialysis. Goldsmith RS, et al. **Kidney Int [Suppl]** (2):118–22, Jan 75 (17 ref.)

Separation and characterization of uremic metabolites in biologic fluids: a screening approach to the definition of uremic toxins. Gordon A, et al. **Kidney Int [Suppl]** (2):45–51, Jan 75

Tryptophan metabolism in uremia. Gulyassy PF, et al. **Kidney Int [Suppl]** (3):311–3, Feb 75

Calorie intake and growth in uremia. Holliday MA. **Kidney Int [Suppl]** (2):73–8, Jan 75 (22 ref.)

Protein and amino acid metabolism in uremic patients undergoing maintenance hemodialysis. Kopple JD, et al. **Kidney Int [Suppl]** (2):64–72, Jan 75 (60 ref.)

Vitamin nutrition in patients undergoing maintenance hemodialysis. Kopple JD, et al. **Kidney Int [Suppl]** (2):79–84, Jan 75 (42 ref.)

Alterations of cartilaginous aerobic glycolysis in the chronic uremic state. Russell JE, et al. **Kidney Int [Suppl]** (3):333–7, Feb 75

Effect of progressive end-stage renal insufficiency on bone mineral-collagen maturation. Russell JE, et al. **Kidney Int [Suppl]** (2):97–101, Jan 75 (31 ref.)

The analysis of concentration dependence of uremic lesions in clinical studies. Sargent JA, et al. **Kidney Int [Suppl]** (2):35–44, Jan 75

The presence and toxicity of guanidinoproprionic acid in uremia. Shainkin R, et al. **Kidney Int [Suppl]** (3):302–5, Feb 75

Metabolism and toxicity of aliphatic amines. Simenhoff ML. **Kidney Int [Suppl]** (3):314–7, Feb 75

The urea cycle in uremia. Swendseid ME, et al. **Kidney Int [Suppl]** (3):280–4, Feb 75 (9 ref.)

Letter: Acid–base status and parathyroid hormone in dialysed patients. Mioni G, et al. **Lancet** 2(7935):605, 27 Sep 75

Letter: Unusual cytological appearance of hairy cell. Mioni G, et al. **Lancet** 1(7963):812–3, 10 Apr 76

Urea metabolism in an azotaemic woman with normal renal function. Richards P, et al. **Lancet** 2(7927):207–9, 2 Aug 75

Letter: Urea metabolism in an azotaemic woman with normal renal function. Richards P, et al. **Lancet** 2(7979):265, 31 Jul 76

Endocrinology and metabolism in uremia and dialysis: a clinical review. Feldman HA, et al. **Medicine (Baltimore)** 54(5):345–76, Sep 75

Effects of long-term low protein diet on albumin metabolism in chronic uremia. Bianchi R, et al. **Nephron** 15(6):409–23, 1975

The effect of acute uremia on liver mitochondrial activity. Martinelli R, et al. **Nephron** 17(2):155–60, 1976

Enhanced efficiency in uremia in re-use of urea N for serum albumin synthesis. **Nutr Rev** 34(4):110–2, Apr 76 (4 ref.)

Similarity of the dialysance of endogenous aryl acids and O-iodohippurate (hippuran) in uremic man. Cohlmia JB, et al. **Proc Clin Dial Transplant Forum** (4):224–7, 1974

The elusive middle molecule? Hattler BG Jr. **Proc Clin Dial Transplant Forum** 3:130–4, 1973

Serum phosphorus control in dialysis patients with aluminum hydroxide gel-containing cookies. Ogden DA, et al. **Proc Clin Dial Transplant Forum** 2:166–70, 1972

Cyanate: a potential uremic toxin. Zelman A, et al. **Proc Clin Dial Transplant Forum** (4):172–9, 1974

Uraemic Toxicity. Bergströöm J. **Proc Eur Dial Transplant Assoc** 12:579–88, 1976 (28 ref.)

Indolic tryptophan metabolism in uraemia. Byrd DJ, et al. **Proc Eur Dial Transplant Assoc** 12:347–54, 1976

Alteration of hepatic acetylation in uraemia. Finc A, et al. **Proc Eur Dial Transplant Assoc** 11:433–40, 1975

Middle molecules in uraemia. Fürst P, et al. **Proc Eur Dial Transplant Assoc** 11:417–26, 1975

Delayed excretion of conjugated sulphamethoxazole in uraemia. Gotloib L, et al. **Proc Eur Dial Transplant Assoc** 11:405–10, 1975

Inhibition of DNA synthesis by guanidine compounds in uraemia. Ku G, et al. **Proc Eur Dial Transplant Assoc** 11:427–32, 1975

Globin synthesis in uraemia. Leber HW, et al. **Proc Eur Dial Transplant Assoc** 12:355–61, 1976

Comparative kinetics of 45Ca and 89Sr in chronic uremic syndrome in the rat. Remagen W, et al. **Res Exp Med (Berl)** 165(3):271–84, 24 Sep 75

Metabolic changes in diabetic uremic patients on hemodialysis. Avram MM, et al. **Trans Am Soc Artif Intern Organs** 22:412–9, 1976

Characterization of a 1100–1300 MW uremic neurotoxin. Funck-Brentano JL, et al. **Trans Am Soc Artif Intern Organs** 22:163–7, 1976

Analysis of uremic ultrafiltrate: a possible coincidence of highly toxic small molecular fraction with guanidine derivatives. Yamada T, et al. **Trans Am Soc Artif Intern Organs** 22:155–62, 1976

[The degree of mineralization of bone tissue in chronic uremia compared with radiological, biochemical and clinical findings] Schaadt O, et al. **Ugeskr Laeger** 137(34):1942–4, 18 Aug 75 (Eng. Abstr.) (Dan)

[Amino acid metabolism in uremia] Askenasi R. **Acta Clin Belg** 30(2):115–25, 1975 (Eng. Abstr.) (Fre)

[Histochemical studies of gastric mucosa synthesis of mucous materials in uremia] Krempien B, et al. **Acta Histochem (Jena)** SUPPL 13:215–22, 1973 (Ger)

[Collagen metabolism and mineralization of uremic bone—aspects of the molecular pathology of renal osteodystrophy] Heidbreder E, et al. **Klin Wochenschr** 54(8):341–8, 15 Apr 76 (Eng. Abstr.) (Ger)

[Intestinal elimination of uremic metabolites by the adsorbents] Drüeke T. **Med Klin** 71(3):87–93, 16 Jan 76 (33 ref.) (Ger)

[Changes of pharmacokinetics in uremia with special reference to drug catabolism] Leber HW. **Med Klin** 71(34):1321–30, 20 Aug 76 (72 ref.) (Ger)

[Effect of acute uremia on the amino acid metabolism of the liver] Fröhlich J, et al. **Verh Dtsch Ges Inn Med** 81:1341–3, 1975 (Ger)

[Metabolic changes in the perfused, uremic rat liver following ammonia load] Grunst J, et al. **Verh Dtsch Ges Inn Med** 81:958–61, 1975 (Ger)

[Amino-acid metabolism in uremia and the effect of various biochemically definable nutritional compounds on it] Rippich T, et al. **Verh Dtsch Ges Inn Med** 81:963–6, 1975 (Ger)

[Changes in the myocardial metabolism in the hearts of uremic animals] Zebe H, et al. **Z Kardiol** Suppl 2:82, 1975 (Ger)

[Enteral absorption of Ca-47 in uremic dialyzed patients] Keszthelyi B, et al. **Orv Hetil** 117(14):826–9, 4 Apr 76 (Hun)

[The amino acid composition of bone tissue in uremic and normal subjects] Lorusso S, et al. **Boll Soc Ital Biol Sper** 51(15–16):987–93, 30 Aug 75 (Ita)

[Aspects of protein metabolism in chronic uremia. Study completed with the help of nitrogen balance during a course of periodic hemodialysis] Fiaschi E, et al. **Minerva Nefrol** 19(2):70–82, Mar–Apr 72 (Eng. Abstr.) (Ita)

[Influence of various therapeutic treatments on the glucose and lipid metabolism in chronic uremia] Mioli V, et al. **Minerva Nefrol** 22(2–3):65–70, Mar–Jun 75 (Eng. Abstr.) (Ita)

[Indole compounds in the blood and urine in uremia] Książek A, et al. **Pol Arch Med Wewn** 55(5):441–6, May 76 (Eng. Abstr.) (Pol)

[Medium-sized molecules and the process of uremic intoxication] Lutz W. **Pol Tyg Lek** 31(27):1173–6, 5 Jul 76 (Pol)

MORTALITY

[Mortality due to uremia resulting from chronic kidney diseases] Vlasov V, et al. **Vutr Boles** 14(1):34–40, 1975 (Eng. Abstr.) (Bul)

PATHOLOGY

Ultrastructural changes in the intestinal mucosa in rats in the terminal stage of acute uremia. Bartel H, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):15–6, 1976

Electron microscopic studies on hepatocytes in acute uremia. Biernat S, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):19–20, 1976

Myocardial ultrastructure in the rat in acute uremic syndrome. Szram S, et al. **Ann Med Sect Pol Acad Sci** 20(2):125–6, 1975

Some changes of the canalicular cells in pancreas with dilated acini. Gonzalez Cueto DM, et al. **Medicina (B Aires)** 35(4):407–15, Jul–Aug 75

Uremic lung lesions as a form of chronic edema. Wasiutyński A. **Pol Med Sci Hist Bull** 15(1):49–55, Jan–Feb 75

Lung morphology in experimental uremia. Wasiutyński A. **Pol Med Sci Hist Bull** 15(2):161–8, Apr–Jun 76

[Ultrastructural changes of the stria vascularis and the spiral ligament in chronic uremic rats (author's transl)] Merck W, et al. **Arch Otorhinolaryngol (NY)** 214(1):63–70, 31 AUG 76 (Eng. Abstr.) (Ger)

[Proceedings: Morphological studies on the pancreas of uremic rats] Gladisch R, et al. **Verh Dtsch Ges Pathol** 59:583, 1975 (Ger)

[Uremic osteopathy. Clinical, histological, radiological and radioisotope study] Zucchelli P, et al. **Minerva Nefrol** 22(2–3):109–18, Mar–Jun 75 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Prolactin and the pituitary-gonadal axis in male uraemic patients on regular dialysis. Hagen C, et al. **Acta Endocrinol (Kbh)** 82(1):29–38, May 76

The renal blood supply in oliguric states: when is a kidney ischemic? A fundamental in cardiology. Hollenberg NK, et al. **Am Heart J** 91(2):255–61, Feb 76

Effects of azotemia on renal extraction and clearance of PAH and TEA. **Am J Physiol** 230(4):901–6, Apr 76

Increased cardiac contractility in acute uremia: interrelationships with hypertension. Nivatpumin T, et al. **Am J Physiol** 229(2):501–5, Aug 75

Effect of protein intake on weight gain and plasma amino acid levels in uremic rats. Wang M, et al. **Am J Physiol** 230(5):1455–9, May 76

Thyroid dysfunction in uremia: evidence for thyroid and hypophyseal abnormalities. Ramirez G, et al. **Ann Intern Med** 84(6):672–6, Jun 76

Normal renin uremic hypertension. Study of cardiac hemodynamics, plasma volume, extracellular fluid volume, and the renin angiotensin system. Cangiano JL, et al. **Arch Intern Med** 136(1):17–23, Jan 76

Bone volume and mineral density of iliac crest spongiosa in uremia. Sieberth HG, et al. **Clin Nephrol** 4(6):237–42,

Dec 75
Control of breathing in uremia: ventilatory response to CO2 after hemodialysis. Hamilton RW, et al. **J Appl Physiol** 41(2):216–22, Aug 76
Effect of experimental azotemia on renal clearance of furosemide in the dog. Rose HJ, et al.
J Pharmacol Exp Ther 196(1):238–47, Jan 76
Effect of sodium intake on single nephron glomerular filtration rate and sodium reabsorption in experimental uremia. Weber H, et al. **Kidney Int** 8(1):14–20, Jul 75
The effect of uremic toxins on the production and metabolism of erythropoietin. Erslev AJ. **Kidney Int [Suppl]** (2):129–33, Jan 75
Neurotoxicity in uremia. Ginn HE, et al.
Kidney Int [Suppl] (3):357–60, Feb 75
Preliminary observations on blood pressure response with maintenance diafiltration. Henderson LW, et al.
Kidney Int [Suppl] (3):413–7, Feb 75
Effect of protein intake and dialysis on the abnormal growth hormone, glucose, and insulin homeostasis in uremia. Davidson MB, et al. **Metabolism** 25(4):455–64, Apr 76
Inhibition of lipoprotein lipase by uremic plasma, a possible cause of hypertriglyceridemia. Murase T, et al.
Metabolism 24(11):1279–86, Nov 75
Effects of moderate uremia on cardiac contractile responses. Scheuer J, et al. **Proc Soc Exp Biol Med** 150(2):471–4, Nov 75
Healing process in uremia. Kursh ED, et al. **Surg Forum** 26:592–3, 1975
[Influence of uremia on the proliferation kinetics of a solid transplantable carcinoma (author's transl)] Féaux De Lacroix W, et al. **Beitr Pathol** 155(4):410–27, Aug 75 (Eng. Abstr.) **(Ger)**
[Correlation between sensory action potentials and vibratory perception in uremic polyneuropathy (author's transl)] Duensing F, et al. **J Neurol** 209(4):243–53, 1 Aug 75 (Eng. Abstr.) **(Ger)**
[Pupillary reaction on tyramine– a parameter of uremic sympathicopathy (author's transl)] Röckel A, et al.
Klin Wochenschr 54(10):479–83, 15 May 76 (Eng. Abstr.) **(Ger)**
[The pathophysiology and pathobiochemistry of uremia] Hodler J, et al. **Med Klin** 71(3):77–86, 16 Jan 76 (126 ref.) **(Ger)**
[Pathopsysiological and pathobiochemical aspects of uremia. 2] Leber HW, et al. **Med Welt** 26(44):1996–9, 31 Oct 75 **(Ger)**
[Pathophysiological and pathobiochemical aspects of uremia. 1.] Schütterle G, et al. **Med Welt** 26(39):1755–9, 26 Sep 75 **(Ger)**
[Gastric secretion in chonic uremic patients undergoing periodical hemodialysis] Butti A, et al. **Chir Patol Sper** 22(5):277–301, Oct 74 (Eng. Abstr.) **(Ita)**
[Regulation of the alveolar ventilation in chronic uremia] Acquarone N, et al. **Minerva Nefrol** 19(3):197–207, May–Jun 72 **(Ita)**
[Vascular reactivity of chronic uremic nonhypertensive patients] Giordano C, et al. **Minerva Nefrol** 19(2):128–31, Mar–Apr 72 (Eng. Abstr.) **(Ita)**
[Hemodynamic studies on patients with chronic uremia] Onesti G, et al. **Minerva Nefrol** 19(2):108–16, Mar–Apr 72 (Eng. Abstr.) **(Ita)**
[The role of renal pressure in arterial hypertension of chronic terminal uremia] Ponticelli C, et al. **Minerva Nefrol** 19(2):104–7, Mar–Apr 72 **(Ita)**
[Clinical physiopathological aspects of chronic uremia under hemodialysis] Vercellone A. **Minerva Nefrol** 19(2):48–9, Mar–Apr 72 **(Ita)**
[Uremic neuropathies. Comparative study of the velocity of motor and nerve conduction during predialysis, hemodialysis and postransplantation periods] Fernández González F. **Arch Neurobiol (Madr)** 39(1):15–36, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Thyroid lymphography: its usefullness for pre–operative localization of the parathyroids and perspectives for the study of secondary hyperparathyroidism in the uremic patient] Rossi R, et al. **J Urol Nephrol (Paris)** 82(4–5):369, Apr–May 76 **(Fre)**

SURGERY

Psychological and social problems encountered in active treatment of chronic uraemia. II. The living donor. Hirvas J, et al. **Acta Med Scand** 200(1–2):17–20, 1976
Pericardiectomy for uremic tamponade. Morin JE, et al.
Can J Surg 19(2):109–12, Mar 76
Experience with one–stage bilateral nephrectomy. Petersen HK, et al. **Scand J Urol Nephrol** 10(2):137–41, 1976
Effect of prophylactic gastric resection on upper gastrointestinal (GI) complications in uremic and transplanted patients. Sodal G, et al.
Scand J Urol Nephrol (29 Suppl):29–31, 6–7 Mar 75
[Problem of increased bleeding tendency in uremic patients in the postoperative phase] Langkopf B.
Z Urol Nephrol 68(5):357–8, May 75 **(Ger)**

THERAPY

Pathogenetic aspects of anemia in long–term hemodialyzed patients. Buscarini L. **Acta Haematol (Basel)** 55(3–2):265–71, 1976
Editorial: When should regular dialysis therapy start?
Br Med J 1(6015):921, 17 Apr 76
Letter: Management of uraemic pericarditis. Winney R.
Br Med J 1(6006):399, 14 Feb 76
Propranolol in hypertensive dialysis patients: efficacy and compliance. Briggs WA, et al. **Clin Pharmacol Ther** 18(5 Pt 1):606–12, Nov 75
Maintenance dialysis for diabetic nephropathy with uremia. Huang C, et al. **J Chronic Dis** 28(7–8):365–74, Aug 75
Central nervous system pH in uremia and the effects of hemodialysis. Arieff AI, et al. **J Clin Invest** 58(2):306–11, Aug 76
Liquid membrane system directed toward chronic uremia. Asher WJ, et al. **Kidney Int [Suppl]** (3):409–12, Feb 75
Maintenance peritoneal dialysis as an alternative in the patient with diabetes mellitus and end–stage uremia. Blumenkrantz MJ, et al. **Kidney Int [Suppl]** (1):108–14, Oct 74
On optimal dialysis. Bonomini V. **Kidney Int [Suppl]** (3):365–9, Feb 75
Notes of a uremia watcher: therapeutic technologies in uremia. Burton BT. **Kidney Int [Suppl]** (3):267–9, Feb 75
Microencapsulated adsorbent hemoperfusion for uremia, intoxication and hepatic failure. Chang TM.
Kidney Int [Suppl] (3):387–92, Feb 75 (28 ref.)
Modification of drug therapy in chronic dialysis patients. Cutler RE, et al. **Kidney Int [Suppl]** (2):16–22, Jan 75
Encapsulated adsorbents for removal of nitrogenous metabolites via oral ingestion. Gardner DL, et al.
Kidney Int [Suppl] (3):383–6, Feb 75
Selective dialysis for removal of large solutes: a reappraisal. Maher JF. **Kidney Int [Suppl]** (3):361–4, Feb 75 (19 ref.)
Sorbents in the treatment of chronic renal disease. Maxwell MH, et al. **Kidney Int [Suppl]** (3):383–6, Feb 75
Gastrosorbents in the therapy of uremia: inferences from intestinal loop dialysis. Sparks RE. **Kidney Int [Suppl]** (3):373–6, Feb 75 (20 ref.)
Colonic dialysis. Rosin RD. **Langenbecks Arch Chir Suppl**:443–6, 1975
Residual renal function and effective rehabilitation in chronic dialysis. Bonomini V, et al. **Nephron** 16(2):89–102, 1976
Individualized, quantified dialysis therapy of uremia. Gotch FA, et al. **Proc Clin Dial Transplant Forum** (4):27–35, 1974
Comparative treatment time with Kiil, Gambro, and Cordis–Dow kidneys. Gotch FA, et al.
Proc Clin Dial Transplant Forum 3:217–28, 1973
Automatic machine for dialysers re–use. Albertazzi A, et al.
Proc Eur Dial Transplant Assoc 11:187–91, 1975
Basic distribution of uraemic changes and their possible prevention by dialysis. Bonomini V, et al.
Proc Eur Dial Transplant Assoc 11:192–200, 1975
Short dialysis schedules (SDS)—finally ready to become routine? Cambi V, et al.
Proc Eur Dial Transplant Assoc 11:112–20, 1975
Short daily peritoneal dialysis and protein restriction. Giordano C, et al. **Proc Eur Dial Transplant Assoc** 12:132–8, 1976
Effect of haemodialysis on immune response. Gombos EA, et al. **Proc Eur Dial Transplant Assoc** 11:367–73, 1975
Dialysis time and the metabolism of carbohydrates and lipids. Novarini A, et al. **Proc Eur Dial Transplant Assoc** 11:374–82, 1975
Regeneration of dialysis fluid. Petrella E, et al.
Proc Eur Dial Transplant Assoc 11:173–9, 1975
Ultrafiltration for middle molecules in uraemia. Reiger J, et al. **Proc Eur Dial Transplant Assoc** 11:158–64, 1975
Characteristics of Connecticut patients receiving services for end–stage uremia. Pearson DA, et al.
Public Health Rep 90(5):440–8, Sep–Oct 75
Dialysis therapy of terminal uraemia in insulin–requiring diabetic patients. Roed–Petersen K, et al.
Scand J Urol Nephrol (29 Suppl):125–8, 6–7 Mar 75
[Possibilities for the use of adsorbers for bloodcleaning in case of uremia (author's transl)] Pasternack A.
Biomed Tech (Stuttg) 20(6):229–37, Dec 75 (Eng. Abstr.) **(Ger)**
[Stomach wall necrosis as a complication of proximal selective vagotomy in uremic patients] Uhlschmid G, et al. **Helv Chir Acta** 42(4):547–50, Sep 75 **(Ger)**
[A fourth possibility treating chronical uremic patients: the satellite dialysis station (author's transl)] Frotscher U, et al. **Med Klin** 71(3):120–3, 16 Jan 76 (Eng. Abstr.) **(Ger)**
[Modification of the reaction capacity of chronic uremia patients through hemodialysis] Raabe H, et al.
Z Urol Nephrol 68(3):181–5, Mar 75 **(Ger)**
[Composition of the dialysis solution and complications caused by it in repeated peritoneal dialysis] Cavatorta F, et al. **Arch E Maragliano Patol Clin** 30(2):199–205, Jul–Dec 74 **(Ita)**
[Recent advances and prospects in periodic hemodialytic treatment for patients with uremia] Campanacci L, et al. **Minerva Med** 67(34):2151–60, 14 Jul 76 (Eng. Abstr.) **(Ita)**
[The nature of renal lesions and periodic hemodialysis] Bonomini V, et al. **Minerva Nefrol** 19(2):50–9, Mar–Apr 72 **(Ita)**
[Clinico–morphological correlations in uremic osteodystrophy of patients with conservative and hemodialytic treatment with special regard to the ultrastructure] Bonucci E, et al. **Minerva Nefrol** 22(2–3):99–108, Mar–Jun 75 (Eng. Abstr.) **(Ita)**
[New dialysis strategies. Effect on acid–base equilibrium, pO2 and pCO2] Mastrangelo F, et al. **Minerva Nefrol** 22(4–5):188–92, Jul–Oct 75 (Eng. Abstr.) **(Ita)**
[Importance of the sodium content of the dialytic fluid in periodic hemodialysis. Data on the behavior of arterial pressure, corporeal sodium pattern and the plasma renin activity in some hypertensive, chronic uremic patients treated with dialysis with a bath with varying sodium content] Romagnoli GF, et al. **Minerva Nefrol** 22(4–5):205–11, Jul–Oct 75 (Eng. Abstr.) **(Ita)**
Electromyographic indices in the evaluation of peripheral neuron damage in short–term hemodialysis treatment] Savazzi GM, et al. **Minerva Nefrol** 22(4–5):177–87, Jul–Oct 75 (Eng. Abstr.) **(Ita)**
[Antirenin activity of practolol in uremic subjects under hemodialysis treatment] Splendiani G, et al.
Minerva Nefrol 22(2–3):93–8, Mar–Jun 75 (Eng. Abstr.) **(Ita)**
[Arteriovenous fistula in hemodialysis of the chronic uremic patient] Vegeto A, et al. **Minerva Nefrol** 19(4):282–6, Jul–Aug 72 **(Ita)**

URINE

Urinary phenolic acids of normal dogs & their retention in acute experimental uraemia. Nagpaul RK, et al.
Indian J Exp Biol 13(2):193–4, Mar 75
On the influence of the natriuretic factor from patients with chronic uremia on the bioelectric properties and sodium transport of the isolated mammalian collecting tubule. Fine LG, et al. **J Clin Invest** 58(3):590–7, Sep 76
Abnormal hydroxyproline polypeptides in the urine of patients with chronic uremia. Dubovsky J, et al.
Nephron 17(1):20–7, 1976

VETERINARY

Evaluation of blood urea nitrogen and serum creatinine concentrations as indicators of renal dysfunction: a study of 111 cases and a review of related literature. Finco DR, et al. **J Am Vet Med Assoc** 168(7):593–601, 1 Apr 76

UREOHYDROLASES

An activated enzyme electrode for creatinine. Meyerhoff M, et al. **Anal Chim Acta** 85(2):277–85, Sep 76

ANTAGONISTS & INHIBITORS

[Inhibition of bacterial agmatinase by several aliphatic diamines] Khramov VA. **Biokhimiia** 41(3):553–6, Mar 76 (Eng. Abstr.) **(Rus)**

URETER

Clamp for passing ureteral catheters. Eggleston FC.
J Urol 115(6):714, Jun 76
Late effects of transurethral resection of bladder tumours at the ureteric orifice. Gottfries A, et al.
Scand J Urol Nephrol 9(1):32–5, 1975
Effect of ureteral stent on urinary tract infections in renal transplantation. Branitz BH, et al. **Urology** 6(6):687–928, Dec 75
Retrieval of indwelling ureteral stent utilizing Fogarty catheter. Niendorf DC, et al. **Urology** 6(5):622–3, Nov 75
[Electrostimulation of the ureter as a treatment method in ureteral calculi] Petkov P. **Khirurgiia (Sofiia)** 28(3):292–4, 1975 **(Bul)**
[Development of an implantable artificial urinary sphincter (author's transl)] Timm GW, et al. **Urologe [A]** 15(4):176–9, Jul 76 (Eng. Abstr.) **(Ger)**
[Rifle bullet in the ureter] Czyż A, et al. **Pol Przegl Chir** 48(2 A):333–4, Feb 76 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Lack of development, factor of congenital ureterohydronephrosis. Gabriel–Robez O, et al.
Acta Anat (Basel) 92(4):537–42, 1975
Human embryo (12 mm) with mesohydronephrosis and ureterohydronephrosis. Ruano–Gil D, et al.
Acta Anat (Basel) 93(1):135–40, 1975
A case of bifid ureter with blind–ending segment as the cause of chronic pain in the flank. van Helsdingen PJ.
Arch Chir Neerl 27(4):277–82, 1975
Incidence of abnormalities of the kidney and ureter in congenital scoliosis. Cowell HR, et al. **Birth Defects** 10(4):142–5, 1974
Circumcaval ureter: a report of four cases in children with a review of the literature and a new classification. Kenawi MM, et al. **Br J Urol** 48(3):183–92, Jun 76 (132 ref.)
Midline ensheathed ureters. Salem RJ, et al. **Br J Urol** 48(1):18, Feb 76
Some observations and theories on the wide ureter and hydronephrosis. Whitaker RH. **Br J Urol** 47(4):377–85, Aug 75
A simple classification of wide ureters. Whitaker RH, et al.
Br J Urol 47(7):781–7, 1975
Triplication of ureter on one side and duplication on the other. Wolpowitz A, et al. **Br J Urol** 47(6):622, Dec 75
A horse with one kidney, partially obstructed ureter, and contralateral urogenital anomalies. Johnson BD, et al.
J Am Vet Med Assoc 169(2):217–9, 15 Jul 76
Surgical correction of ectopic ureter in the dog. Johnson TC. **J Am Vet Med Assoc** 169(3):316–7, 1 Aug 76
Dysplastic kidney with duplicated bladder and ureters. Antar MH. **J Fla Med Assoc** 62(11):51–2, Nov 75
Familial ureteric bud anomalies. Perlman M, et al.
J Med Genet 13(2):161–3, Apr 76
Ureteral duplication with obstruction. Delph WI, et al.
J Natl Med Assoc 68(2):125–8, Mar 76

Duplications of the renal collecting system in the hereditary osteo–onycho–dysplasia syndrome. Cohen N, et al. **J Pediatr** 89(2):261–3, Aug 76

Crossed–fused renal ectopia with a solitary ureter. Bissada NK, et al. **J Urol** 114(2):304–5, Aug 75

Genitourinary tract anomalies in lobster claw syndrome. Leiter E, et al. **J Urol** 115(3):339–41, Mar 76

Duplex kidneys: a correlation of renal dysplasia with position of the ureteral orifice. Mackie GG, et al. **J Urol** 114(2):274–80, Aug 75

Crossed ectopia of seminal vesicles, renal aplasia and ectopic ureter. Mellin HE, et al. **J Urol** 115(6):765–6, Jun 76

An unusual case of crossed ureteral ectopia. Morganstern S, et al. **J Urol** 116(3):378–9, Sep 76

Ectopic ureter passing through the external urethral sphincter: report of a case. Ogawa A, et al. **J Urol** 116(1):109–10, Jul 76

Adult ureteral ectopia. Persky L, et al. **J Urol** 116(2):156–60, Aug 76

Diagnosis of the occult ectopic ureter in a duplex kidney. Simms MH, et al. **J Urol** 114(5):697–9, Nov 75

Bilateral ureteral quadruplication. Soderdahl DW, et al. **J Urol** 116(2):255–6, Aug 76

Investigating wide ureters with ureteral pressure flow studies. Whitaker RH. **J Urol** 116(1):81–2, Jul 76

Radiological case of the month. Case history. Naraval R, et al. **Md State Med J** 25(5):13–5, May 76

Two autopsy cases of duplication of the ureter. Fuyuta M, et al. **Okajimas Folia Anat Jpn** 52(5):273–84, Jan 76

Two unusual conditions simulating ectopic ureterocele. Unilateral hydrometrocolpos with ipsilateral renal agenesis or hypoplasia, and ectopic ureteral opening into a seminal vesicle. Sutton TJ, et al. **Radiology** 117(2):381–4, Nov 75

Partial hydronephrosis in a patient with horseshoe kidney and bilateral duplication of the pelvis and ureter. Christoffersen J, et al. **Scand J Urol Nephrol** 10(1):91–3, 1976

Incomplete ureteral duplication. Electromyographic and manometric investigation. Djurhuus JC, et al. **Scand J Urol Nephrol** 10(2):111–4, 1976

Congenital hydronephrosis of lower segment in duplex kidney. Amar AD. **Urology** 7(5):480–5, May 76

Postpartum onset of urinary incontinence associated with ureteral ectopia. Benson RC Jr, et al. **Urology** 7(1):53–6, Jan 76

Traumatic rupture of horseshoe kidney with partial ureteral duplication associated with supernumerary kidney. Hicks CC, et al. **Urology** 8(2):149–52, Aug 76

Hypoplastic right kidney with ectopic nonduplicated ureter. Limbert DJ. **Urology** 6(3):354–6, Sep 75

Urethral duplication, with associated agenesis of left kidney and right ureteral ectopia. Mehan DJ, et al. **Urology** 6(4):476–9, Oct 75

Embryologic basis for lower ureteral anomalies: a hypothesis Tanagho EA. **Urology** 7(5):451–64, May 76 (2 ref.)

Ectopic ureter in the bitch. Holt PE. **Vet Rec** 98(15):299–300, 10 Apr 76

Urinary incontinence due to unilateral ureteral ectopia in a foal. Ordidge RM. **Vet Rec** 98(19):384, 8 May 76

[Retrocaval ureter in a man] Atanasov N, et al. **Khirurgiia (Sofiia)** 29(1):83–5, 1976 **(Bul)**

[Surgical treatment of the vesico–ureteral reflux in completely duplicated ureter] Gotovac J, et al. **Lijec Vjesn** 97(9):523–7, Oct 75 (Eng. Abstr.) **(Cro)**

[Correction of malformative vesicorenal reflux through the advancement of the ureteral submucosa] Cukier J, et al. **Acta Urol Belg** 43(4):345–51, Oct 75 (Eng. Abstr.) **(Fre)**

[Ureteral ectopia as an unrecognized cause of stress incontinence in women] De Sy W, et al. **Acta Urol Belg** 42(4):414–7, Oct 74 (Eng. Abstr.) **(Fre)**

[Bifid caudal ureter. Apropos of a case with a blind bladder extremity] Wart F, et al. **Acta Urol Belg** 43(4):386–91, Oct 75 (Eng. Abstr.) **(Fre)**

[Pyelo–pyelic anastomosis in poorly tolerated duplications of the upper urinary tract. Principles—Technic: 3 types and their varieties] Boissonnat P. **Chirurgie** 100(10):705–11, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Primary mega–ureter in infants. Etiologic, anatomic and therapeutic studies apropos of 100 cases in 71 children] Bruezière J. **Chirurgie** 100(10):712–23, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Bifid ureter ending blindly at one of its upper ends. 4 cases (author's transl)] Cendron J, et al. **J Urol Nephrol (Paris)** 81(10–11):775–83, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Opening of the ureter into the seminal vesicle and cancer of the testis] Lange D. **J Urol Nephrol (Paris)** 81(7–8):602, Jul–Aug 75 **(Fre)**

[Complications of surgical and endoscopic treatment of calculi of the pelvic ureter] Le Duc A, et al. **J Urol Nephrol (Paris)** 81(1–2):96–9, Jan–Feb 75 **(Fre)**

[Double ureter] Melchior H. **J Urol Nephrol (Paris)** 80(12 pt 2):453, Dec 74 **(Fre)**

[Retro–caval ureter on a solitary kidney. Apropos of a case] Rampal M, et al. **J Urol Nephrol (Paris)** 81(7–8):627–30, Jul–Aug 75 (17 ref.) **(Fre)**

[Familial occurrence of hydronephrosis and of the mega–ureter — megacystis syndrome (author's transl)] Gröbe H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):116–20, Aug 75 **(Ger)**

[The retrocaval ureter] Janson R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):382–4, Apr 76 **(Ger)**

[Unusual combination of absence of the left pulmonary artery and homolateral malformation of the kidney and ureter (author's transl)] Hegenbarth R, et al. **Klin Paediatr** 187(4):384–90, Jul 75 (Eng. Abstr.) **(Ger)**

[The bifid ureter with a blind–ending branch — its clinical problematic (author's transl)] Buhl K, et al. **Urologe [A]** 15(1):48–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Congenital multicystic renal dysplasia in the adult age] Götzel L. **Z Gesamte Inn Med** 31(9):298–93, 1 May 76 (Eng. Abstr.) **(Ger)**

[Retrocaval ureter and crossed dystopia in a single kidney] Krause I, et al. **Zentralbl Chir** 100(8):503–6, 1975 **(Ger)**

[Blind branch of a bifid ureter] Papa M, et al. **Minerva Urol** 27(4):189–91, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Abnormalities of kidney and upper urinary tract] Tsuji I. **Jpn J Nephrol** 17(7):678–82, Jul 75 **(Jpn)**

[Study of various ureteral malformations using fluorescence microscopy] Oprişan A, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 23(4):367–72, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Cystic transformation of the bilateral double right kidney and ureter] Baranov IuD. **Vestn Khir** 115(7):144, Jul 75 **(Rus)**

ANALYSIS

The elastic component of normal and dilated ureters in children: chemical and histochemical characterisation. Pagano F, et al. **Br J Urol** 48(1):13–7, Feb 76

ANATOMY & HISTOLOGY

The ureterovesical junction of the rabbit. Boyarsky A. **Invest Urol** 13(5):383–4, Mar 76

Ureteral function. III. The catheter and the geometry of the ureter. Weinberg SL. **Invest Urol** 13(5):339–45, Mar 76

The structure and function of the ureter in the dog. Bannigan J. **Ir J Med Sci** 144(11):426–36, Nov 75

The adreno–renal–ureteral sheath: surgical–anatomical study. Orda R, et al. **Urol Int** 31(3):179–82, 1976

BLOOD SUPPLY

[Pheochromocytoma with scalloping of the ureter (author's transl)] Galanski M, et al. **Radiologe** 16(5):209–13, May 76 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Histochemistry of the metanephros in the golden hamster. II. The adult ureter. Teutsch HF. **Histochemistry** 45(3):227–35, 8 Dec 75

DRUG EFFECTS

The actions of prostaglandins on the smooth muscle of the human urinary tract in vitro. Abrams PH, et al. **Br J Urol** 47(7):909–15, 1975

Proceedings: Effects of autonomic drugs on ureteral peristalsis. Sakamoto K. **Jpn Arch Intern Med** 11(4):171–2, Dec 75

Effects of spinal anaesthesia, lidocaine, and morphine, on the motility of the human ureter in vivo. Andersson KE, et al. **Scand J Urol Nephrol** 9(3):236–42, 1975

The influence of sodium on the electrical and mechanical activity of the ureter. Hendrickx H, et al. **Urol Res** 3(4):159–63, 30 Dec 75

The influence of potassium on the electrical and mechanical activity of the guinea pig ureter. Hendrickx H, et al. **Urol Res** 3(4):155–8, 30 Dec 75

The influence of calcium on the electrical and mechanical activity of the guinea pig ureter. Vereecken RL, et al. **Urol Res** 3(4):149–53, 30 Dec 75

[Proceedings: Effects of tetraethylammonium on sodium and calcium potentials of the guinea pig ureter] Ebihara T. **Jpn Arch Intern Med** 11(4):234–6, Dec 75 **(Jpn)**

[The effect of hydrocortisone on the proliferative activity ureteral epithelial cells] Dyban PA. **Tsitologiia** 18(1):31–6, Jan 76 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Nature and fate of the ureteric membrane closing the primitive ureterovesical opening. Asaad EI, et al. **Acta Anat (Basel)** 92(4):524–36, 1975

Embryologic basis for lower ureteral anomalies: a hypothesis Tanagho EA. **Urology** 7(5):451–64, May 76 (2 ref.)

[The ultrastructure of the primary ureter and of the mesonephritic blastema before its differentiation in Rana dalmatina (Amphibia, Anuran)] Delbos M. **C R Acad Sci [D] (Paris)** 280(7):893–5, 17 Feb 75 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of the differentiation of the mesonephrogenic blastema cultivated in vitro in the presence of the primary ureter in the frog, Rana dalmatina Bon.] Grassé MP. **C R Acad Sci [D] (Paris)** 282(1):101–4, 5 Jan 76 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Effect of urinary tract infection on maturation of the ureterovesical junction. Roberts JA. **Surg Forum** 26:596–8, 1975

INJURIES

Urologic complications following abdominoperineal resection of the rectum. Andersson A, et al. **Arch Surg** 111(9):969–71, Sep 76

Injury to the ureter during laparoscopic tubal sterilization. Irvin TT, et al. **Arch Surg** 110(12):1501–3, Dec 75

Proceedings: Ureteric trauma. Brown RB. **Br J Urol** 48(2):147–8, Apr 76

Bilateral avulsion of the upper ureters. Heath AD, et al. **Br J Urol** 47(4):386, Aug 75

Traumatic avulsion of the ureter with obstruction, pseudocyst formation and hypertension. Ribeiro BF, et al. **Br J Urol** 48(2):107–10, Apr 76

Ureteral injuries associated with gynecologic surgery: prevention and management. Symmonds RE. **Clin Obstet Gynecol** 19(3):623–44, Sep 76

Diagnosis and management of iatrogenic ureteral injuries. Mahmood P, et al. **J Med Soc NJ** 72(9):691–7, Sep 75

Rupture of the urether with associated pseudocystic formation. Zivković S, et al. **J Pediatr Surg** 11(3):473–5, Jun 76

Gunshot wounds to the ureter. Eickenberg HU, et al. **J Trauma** 16(7):562–5, Jul 76

Violent injuries to the upper ureter. Evans RA, et al. **J Trauma** 16(7):558–61, Jul 76

Isolated ureteral injury secondary to transperitoneal stab wound. Rabinowitz R, et al. **J Trauma** 16(2):164–8, Feb 76

Blunt ureteral trauma with perineal urine fistulization: review of the literature. Wallijn E, et al. **J Urol** 114(6):942–5, Dec 75

Ureteral injury during a hip–nailing procedure. Case report. Billig R, et al. **JAMA** 235(16):1724, 19 Apr 76

Nursing care study: bilateral ruptured ureters due to blunt trauma. Quinn SJ. **Nurs Times** 71(48):1892–4, 27 Nov 75

Surgical injuries of the ureter. A review of 42 cases. Ihse I, et al. **Scand J Urol Nephrol** 9(1):39–44, 1975

Surgical injury to ureter. Gangai MP, et al. **Urology** 8(1):22–7, Jul 76

Indications for combined psoas–bladder hitch procedure with Boari vesical flap. Kishev SV. **Urology** 6(4):447–52, Oct 75

[Lesions of the pelvic ureter after hysterectomy] Charbagi B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):394–6, 1972 **(Fre)**

[3 cases of serious incidents during treatment of ureteral calculi] Ballanger R. **J Urol Nephrol (Paris)** 81(1–2):70–1, Jan–Feb 75 **(Fre)**

[Personal therapeutic indications in ureteral trauma] Banchieri FR, et al. **J Urol Nephrol (Paris)** 81(7–8):612–6, Jul–Aug 75 **(Fre)**

[Impaction of Dormia's catheter] Berge D. **J Urol Nephrol (Paris)** 81(1–2):88–90, Jan–Feb 75 **(Fre)**

[Traumatic rupture of the sub–pyelic ureter after closed trauma in a child] Brueziere J, et al. **J Urol Nephrol (Paris)** 81(7–8):582–89, Jul–Aug 75 **(Fre)**

[Personal experience with 12 cases of intraprostatic telescopage] Netto EN. **J Urol Nephrol (Paris)** 80(12 pt 2):552–4, Dec 74 **(Fre)**

[Traumatic rupture of the sub–pyelic ureter in a child] Revol M, et al. **J Urol Nephrol (Paris)** 81(7–8):579–81, Jul–Aug 75 (3 ref.) **(Fre)**

[Lesions of the ureter due to bullet wound. Means of exploration and management] Sarramon JP, et al. **J Urol Nephrol (Paris)** 81(1–2):144–9, Jan–Feb 75 **(Fre)**

[Pararenal pseudocyst. A rare sequela following blunt abdominal trauma (author's transl)] Haage H, et al. **Urologe [A]** 14(6):299–301, Nov 75 (Eng. Abstr.) **(Ger)**

[Kidney and ureteral injuries] Schönberger B, et al. **Z Urol Nephrol** 68(4):289–92, Apr 75 **(Ger)**

[Complications following surgery for ectopic pregnancy] Stryżowski J. **Ginekol Pol** 46(11):1209–12, Nov 75 (Eng. Abstr.) **(Pol)**

Ureteral injuries and their treatment in the defensive war] Petronic V, et al. **Acta Chir Iugosl** 23(1 Suppl):317–20, 1976 **(Ser)**

[Closed injuries of the ureter] Laganin N, et al. **Med Arh** 29(4):291–6, Jul–Aug 75 **(Ser)**

INNERVATION

Ureteric vascular and muscle coat innervation in the rat. A quantitative ultrastructural study. Hoyes AD, et al. **Invest Urol** 14(1):38–43, Jul 76

Studies on the functional significance of adrenergic nerve in the isolated dog ureter. Ueno F. **Kumamoto Med J** 29(1):35–43, 31 Mar 76

[Histochemical studies on innervation of the distal ureter in primary vesico–ureteral reflux in children (author's transl)] Oehmichen M, et al. **Klin Paediatr** 188(1):30–4, Jan 76 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Six years of experience with retrograde biopsy of intraureteral carcinoma using the Dormia stone basket. Kiriyama T, et al. **J Urol** 116(3):308–10, Sep 76

Two autopsy cases of duplication of the ureter. Fuyuta M, et al. **Okajimas Folia Anat Jpn** 52(5):273–84, Jan 76

[Pathological anatomy of the dilated ureter] Debled G. **J Urol Nephrol (Paris)** 80(12 pt 2):521–5, Dec 74 **(Fre)**

[Histological findings of the ureteropelvic junction in congenital hydronephrosis (author's transl)] Fladerer H, et al. **Urol Int** 30(5):350–6, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Metrizamide in experimental urography. III. Effects of

temporary ureteric stasis on urinary iodine concentration after intravenous injection of ionic and non-ionic contrast media. Almén T, et al. **Acta Radiol [Suppl] (Stockh)** (335):330–8, 1973

In vitro studies of subcalyceal upper urinary tract muscle in multicalyceal kidneys. Longrigg N. **Br J Urol** 47(5):473–80, Oct 75

Glomerular filtration response to elevated ureteral pressure in both the hydropenic and the plasma-expanded rat. Blantz RC, et al. **Circ Res** 37(6):819–29, Dec 75

Statistical analysis and graphical representation the temporal and distributive properties of urodynamic data. Silvert M, et al. **Comput Programs Biomed** 5(1):5–10, Sep 75

The origin and propagation of upper urinary tract contraction waves. A new in vitro methodology. Gosling JA, et al. **Experientia** 32(2):266–7, 15 Feb 76

Ureteral pacemaker potentials recorded with the sucrose gap technique. Zawalinski VC, et al. **Experientia** 31(8):931–3, 15 Aug 75

The electrophysiological characteristics of the smooth muscles of the ureter. pp. 121–6. Bakuntz SA, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Transmembrane ionic currents in smooth muscle cells of ureter during excitation. pp. 65–75. Bury VA, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Metrizamide in experimental urography. IV. Effects of bilateral ureteric stasis on urine iodine concentration after intravenous infection of an ionic and a non-ionic contrast medium. Golman K, et al. **Invest Radiol** 11(2):80–7, Mar–Apr 76

Investigation of urine transport in the ureter of the pig by x-ray videodensitometry. I. The effect of increasing diuresis on velocity and rhythm of contractions: relationship between pressure wave and urine bolus. Tscholl R, et al. **Invest Urol** 13(6):404–9, May 76

Investigation of urine transport in the ureter of the pig by x-ray videodensitometry. II. The effect of an increasing obstruction on velocity, rhythm, and efficiency of the contraction waves. Tscholl R, et al. **Invest Urol** 13(6):410–3, May 76

Investigation of ureteric function with simultaneous intraureteric pressure recordings and ureteropyelography. Ulmsten U, et al. **Radiology** 117(2):283–9, Nov 75

Renal blood flow and function at elevated ureteric pressure. An experimental study in the pig. Helin I, et al. **Scand J Urol Nephrol** (28 suppl):53–69, 1975

Recording of intraureteric pressures in women with a new technique. Ulmsten U. **Scand J Urol Nephrol** 9(3):230–5, 1975

Application of ultrasonic shift Doppler technique to record velocity changes of intrauretral urine flow. Yamaguchi O, et al. **Tohoku J Exp Med** 118(1):53–7, Jan 76

Statistical properties of the temporal and spatial distribution of interperistaltic intervals and their relationship to pacemaker and respiratory rhythmicity. Constantinou CE. **Urol Int** 30(5):369–80, 1975

Urodynamics. Melchior H. **Urol Res** 3(2):51–4, 8 Aug 75

The effect of acute chemical sympathectomy on the competence of the canine ureterovesical junction. Wein AJ, et al. **Urol Res** 3(2):95–7, 8 Aug 75

[The physiology and physiopathology of the ureter] Vereecken RL. **Acta Urol Belg** 43(2):119–239, Apr 75 (408 ref.) (Eng. Abstr.) **(Fre)**

[Urodynamics. I. Ureter-dynamics] Melchior H. **Z Urol Nephrol** 70(6):459–62, Jun 75 (17 ref.) **(Ger)**

[Proceedings: Changes in pyeloureteral movements in dogs under various conditions] Akasaka T, et al. **Jpn Arch Intern Med** 11(4):241–2, Dec 75 **(Jpn)**

[Proceedings: Generation and transmission of excitation impulses in the kidney pelvis and ureter] Kobayashi J. **Jpn Arch Intern Med** 11(4):165–8, Dec 75 **(Jpn)**

[Proceedings: Examination of factors influencing ureteral motility] Kuwabara M. **Jpn Arch Intern Med** 11(4):168–71, Dec 75 **(Jpn)**

[Proceedings: Ureteral movement following ureteral surgery] Ohori T. **Jpn Arch Intern Med** 11(4):172–4, Dec 75 **(Jpn)**

[Proceedings: Relationship between the ureteral movement, pressure within the kidney pelvis and renal blood volume during the increase of bladder pressure] Yamaguchi O, et al. **Jpn Arch Intern Med** 11(4):242–3, Dec 75 **(Jpn)**

[Studies on action potentials of the upper urinary tract. IV. The effects of complete transection of the ureter and its recommunication between upper and ureteral orifice using a vinyl catheter upon the action potentials and intraluminal pressure of the ureter in mongrel dogs (author's transl)] Akasaka T, et al. **Jpn J Urol** 66(6):327–32, Jun 75 (Eng. Abstr.) **(Jpn)**

[Studies of function of the upper urinary tract. VIII. The peristaltic activity during induced diuresis in the pelvi-ureteral system in dogs (author's transl)?] Akasaka T. **Jpn J Urol** 67(4):237–47, Apr 76 (Eng. Abstr.) **(Jpn)**

[A method for recording intraluminal urine flow (application of ultrasonic doppler technique) (author's transl)] Tsuchida S, et al. **Jpn J Urol** 66(11):781–4, Nov 75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Intra-ureteric pressures in women undergoing hysterectomy for carcinoma of the uterine cervix. Ulmsten U. **Acta Obstet Gynecol Scand** 54(5):485–9, 1975

Time course of ureteral changes with obstruction. Biancani P, et al. **Am J Physiol** 231(2):393–8, Aug 76

Relationship between renal blood flow and ureteral pressure during 18 hours of total unilateral uretheral occlusion. Implications for changing sites of increased renal resistance. Moody TE, et al. **Invest Urol** 13(3):246–51, Nov 75

Experimental pyelonephritis in the monkey. III. Pathophysiology of ureteral malfunction induced by bacteria. Roberts JA. **Invest Urol** 13(2):117–20, Sep 75

The recovery of function of chronically obstructed and infected ureters. Rose JG, et al. **Invest Urol** 13(2):125–30, Sep 75

Ureteral pressure flow studies in difficult diagnostic problems. Marshall V, et al. **J Urol** 114(2):204–7, Aug 75

[Histomorphological and bioelectrical studies of the ureter with a disordered blood supply] Madzharova M, et al. **Khirurgiia (Sofiia)** 29(2):153–7, 1976 (Eng. Abstr.) **(Bul)**

[Ureteral function in neurogenic bladder] Melchior H. **J Urol Nephrol (Paris)** 80(12 pt 2):447–52, Dec 74 **(Fre)**

[Renal-ureteral pain in acute cystitis] Mercz L. **Orv Hetil** 117(14):836–8, 4 Apr 76 **(Hun)**

[Studies on action potentials of the upper urinary tract. V. Changes of the ureteral function during and after surgery in patients with calculous disease of the upper urinary tract (author's transl)] Numasato S. **Jpn J Urol** 66(11):727–41, Nov 75 (Eng. Abstr.) **(Jpn)**

[Electromyographical studies of motor function of the ureter in renal colic before and after extrapulmonary administration of nitrous oxide (clinico-experimental studies)] Muradian KM, et al. **Klin Khir** (10):46–9, Oct 75 **(Rus)**

[Diagnostic importance of electroureterography in renal tuberculosis] Kolesnikov GF, et al. **Vrach Delo** (3):112–5, Mar 76 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Radiation injuries to the ureter and bladder] Lichtenauer P, et al. **Zentralbl Chir** 100(14):833–43, 1975 **(Ger)**

RADIOGRAPHY

A vascular ureterogram. Sherwood T, et al. **Br J Radiol** 49(581):468, May 76

Tangential projection of pelvic cancer. Wallner RJ. **J Am Osteopath Assoc** 75(7):666–70, Mar 76

[Radiologic study of the posterior ureter] Fiumicelli A. **J Radiol Electrol Med Nucl** 56 suppl 2:502–3, 1975 **(Fre)**

SURGERY

Bovine carotid heterograft for segmental ureteral substitution. Albert PS, et al. **Am J Surg** 131(5):556–9, May 76

Experience with the ileal ureter. Amin HA. **Br J Urol** 48(1):19–26, Feb 76

Antireflux ureterocystostomy at the vertex of the bladder. Bradić I, et al. **Br J Urol** 47(5):525–30, Oct 75

Re-implantation of the ureter. Clark P, et al. **Br J Urol** 48(1):31–7, Feb 76

Trans-uretero-ureterostomy: British experience. Smith IB, et al. **Br J Urol** 47(5):519–23, Oct 75

Proceedings: The upper urinary tract in urethral valves. Utley WL. **Br J Urol** 48(2):147, Apr 76

Ring ureterostomy. Williams DI, et al. **Br J Urol** 47(7):789–92, 1975

Clinical segmental pancreatic transplantation with ureter-to-pancreatic duct anastomosis for exocrine drainage. Gliedman ML, et al. **Bull Soc Int Chir** 34(1):15–20, 1975

Plastic surgery of the ureteropelvic junction with a pedicle stomach flap. Darewicz J, et al. **Int Urol Nephrol** 7(4):263–9, 1975

Neoplasia at the site of ureterosigmoidostomy. Carswell JJ 3d, et al. **J Urol** 115(6):750–2, Jun 76

Renal autotransplantation for upper ureteral stenosis. Deweerd JH, et al. **J Urol** 116(1):23–5, Jul 76

Ureteroneocystostomy versus ureteropyelostomy: a comparison in the same renal allograft series. Donohue JP, et al. **J Urol** 114(2):202–3, Aug 75

Surgical correction of vesicoureteral reflux in children with neurogenic bladder. Jeffs RD, et al. **J Urol** 115(4):449–51, Apr 76

Vascular distal ureteral obstruction. Read BP, et al. **J Urol** 114(5):762–4, Nov 75

The ureteral stump after nephroureterectomy. Strong DW, et al. **J Urol** 115(6):654–5, Jun 76

Ureteroneocystostomy by means of a modified triangular flap method. Taguchi H, et al. **J Urol** 114(5):705–8, Nov 75

Unusual complications of transvesical ureteral reimplantation. Tocci PE, et al. **J Urol** 115(6):731–5, Jun 76

Effect of urine flow on ureteral healing. Dale GA, et al. **Surg Forum** 26:594–6, 1975

Ureteropyelostomy with flaps with an everted suture. Mobilio G, et al. **Urol Int** 30(6):397–401, 1975

Renal transplantation in the rat. I. Studies concerning the ureteral anastomosis with special reference to the end-to-end technique. Frödin L, et al. **Urol Res** 3(2):87–90, 8 Aug 75

Reflux in opposite ureter after successful correction of unilateral vesicoureteral reflux. Parrott TS, et al. **Urology** 7(3):276–8, Mar 76

Transureteroureteral ureterostomy for urinary diversion in children. Shapiro SR, et al. **Urology** 8(1):35–8, Jul 76

[Uretero-ileoplasty in bilharzian uretero-hydronephrosis] Cornet L, et al. **J Chir (Paris)** 111(4):417–30, Apr 76 (Eng. Abstr.) **(Fre)**

[Complications of ureterotomies] Ducassou J, et al. **J Urol Nephrol (Paris)** 81(1-2):109–12, Jan–Feb 75 **(Fre)**

[Treatment of tuberculous stenosis of the renal pelvis by pyelo-ureter-plasty. Apropos of 2 cases] Ducassou J, et al. **J Urol Nephrol (Paris)** 81(1-2):132–3, Jan–Feb 75 **(Fre)**

[Retroperitoneal effusion of urine. A rare complication of surgical treatment of calculi of the lumboiliac ureter] Dufour B, et al. **J Urol Nephrol (Paris)** 81(1-2):72–6, Jan–Feb 75 **(Fre)**

['Suspended' segmental ureteral replacement. Current status] Dufour B, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):437–40, Dec 74 **(Fre)**

[Silicone ureteral prosthesis. Preliminary results in dogs] Hennebert F. **J Urol Nephrol (Paris)** 80(12 pt 2):429–36, Dec 74 **(Fre)**

[Ureter calculi treated by endoscopic approach or by upper approach during the past 10 years] Lange J, et al. **J Urol Nephrol (Paris)** 81(1-2):112–6, Jan–Feb 75 **(Fre)**

[Surgical treatment of idiopathic retroperitoneal liposclerosis] Brisset JM, et al. **Nouv Presse Med** 5(6):349–52, 7 Feb 76 **(Fre)**

[Anastomoses of the urinary tract for treatment of duplicated ureters (author's transl)] Mellin P. **Langenbecks Arch Chir** 340(2):101–6, 17 Nov 75 (Eng. Abstr.) **(Ger)**

[The retropenitoneal fibrosis (septennial observation of a female patient) (author's transl)] Labitzke R, et al. **Urologe [A]** 14(5):238–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Comments on problems of uretero-ileo-cystoplasty (author's transl)] Lichtenauer P, et al. **Urologe [A]** 14(5):217–22, Sep 75 (Eng. Abstr.) **(Ger)**

[Indications for cutaneous ureterostomy. Experience with 117 cases (author's transl)] Wagner W, et al. **Urologe [A]** 14(5):213–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Retroperitoneal ureter-ureter anastomosis (transureteroureterostomy)] Ramthor W, et al. **Z Urol Nephrol** 68(11):841–9, Nov 75 **(Ger)**

[Our experiences with the pull-through nephrostomy] Schülke J, et al. **Z Urol Nephrol** 67(10):783–9, Oct 74 **(Ger)**

[Experiences with a new method of ureterocystoneostomy in kidney transplantation] Schumakow WJ, et al. **Z Urol Nephrol** 68(8):571–4, Aug 75 **(Ger)**

[Use of PVC (polyvinyl chloride) endoprostheses in kidney-pelvis and ureteral surgery] Stadie G. **Z Urol Nephrol** 67(9):641–5, Sep 74 **(Ger)**

[Bacteriological studies on postoperative urine elimination through nephrostomy, transparenchymal splint catheter and endoprosthesis following surgery of the kidney pelvis and ureter] Stadie G. **Z Urol Nephrol** 67(9):647–51, Sep 74 **(Ger)**

[Partial replacement of the ureter with a Scurasil prosthesis] Bianchi F, et al. **Minerva Urol** 27(5):203–12, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Long-term results of uretero-ileoplasty. Experimental research in 8 dogs] Fontana D, et al. **Minerva Urol** 27(1):1–11, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Irregular and excessive regeneration of the ureteral wall and the pyelo-ureteral junction following intubated ureterotomy] Borkowski A. **Pol Przegl Chir** 47(11A):1435–9, Nov 75 (Eng. Abstr.) **(Pol)**

[Use of tissue glue (butyl-2-cyanacrylate) for creation of loop ureterostomy] Musierowicz A. **Pol Przegl Chir** 48(2 A):203–4, Feb 76 **(Pol)**

[The place of total nephro-ureterectomy in the treatment of urinary tuberculosis] Burghele T. **Rev Chir [Chir]** 25(2):81–8, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

[Motor function of the ureters following transection and placing of a circular suture] Belykh SI. **Eksp Khir Anesteziol** (2):52–5, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Alloplastic replacement of the ureter] Kul'ga LG. **Urol Nefrol (Mosk)** (5):60–5, Sept–Oct 75 **(Rus)**

[Widened intermuscular approach to the pelvic portion of the ureter] Li VV. **Urol Nefrol (Mosk)** (5):53–4, Sept–Oct 75 **(Rus)**

[Restoration of the urinary tract in transplantation of the kidney] Shumakov VI. **Urol Nefrol (Mosk)** (4):3–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Anti-reflux operations in children with primary vesico-renal reflux] Cheskis AL, et al. **Vestn Khir** 114(5):109–13, May 75 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Free grafts of autologous and homologous ureter. A functional study. Vistnes LM, et al. **Invest Urol** 13(4):255–8, Jan 76

ULTRASTRUCTURE

[Proceedings: Ultrastructure of the ureter, with special reference to smooth muscle] Yamamoto T, et al. **Jpn Arch Intern Med** 11(4):161–5, Dec 75 **(Jpn)**

URETERAL CALCULI

[Experiences in a region with high incidence of calculi] Bianchi F. **Helv Chir Acta** 42(3):403–6, Jun 75 **(Fre)**

[Ureteral calculi] Neveu J. **Sem Hop Paris** 51(20):1633–6, 26 Apr 75 **(Fre)**

CHEMICALLY INDUCED

Urinary calculus during methazolamide therapy. Shields MB, et al. **Am J Ophthalmol** 81(5):622–4, May 76

COMPLICATIONS

Milk–of–calcium obstruction of the ureter. Kay C, et al. **J Urol** 114(6):940–1, Dec 75

[Evolutive aspects of urinary infection in reno–ureteral lithiasis] pp. 8–21. Brisset JM, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975. (Fre)

[Calcified fibroma and calculus of the pelvic ureter] Amor MS, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):393–4, 1972 **(Fre)**

DIAGNOSIS

Endometriosis mimicking ureterolithiasis. Traub YM, et al. **Br J Urol** 48(1):27–30, Feb 76

[Extremely large ureteral stones] Kasztelan Z. **Z Urol Nephrol** 68(1):19–23, Jan 75 **(Ger)**

[Diagnostic difficulties and errors in ureteral urolithiasis] Zajączkowski T. **Pol Przegl Chir** 47(11A):1463–7, Nov 75 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Dissolving urinary stones with a chelating agent. Heap GJ, et al. **Med J Aust** 1(19):714–5, 8 May 76

Oxyphenbutazone in the treatment of acute ureteral stone disease. Nygård A, et al. **Scand J Urol Nephrol** 9(1):36–8, 1975

ETIOLOGY

On the increase of the percentage of females among patients with infectious and calculous renal diseases and on its possible causes. Shabad AL. **Int Urol Nephrol** 7(3):179–82, 1975

OCCURRENCE

Incidence, morbidity and complications of renal and ureteral calculi in a well defined geographical area. Almby B, et al. **Scand J Urol Nephrol** 9(3):249–53, 1975

Urolithiasis. A study of its frequency. Norlin A, et al. **Scand J Urol Nephrol** 10(2):150–3, 1976

PHYSIOPATHOLOGY

[Studies on action potentials of the upper urinary tract. V. Changes of the ureteral function during and after surgery in patients with calculous disease of the upper urinary tract (author's transl)] Numasato S. **Jpn J Urol** 66(11):727–41, Nov 75 (Eng. Abstr.) **(Jpn)**

[Restoration of renal function after removal of ureteral calculi] Zaichenko ND, et al. **Vrach Delo** (3):64–5, Mar 74 **(Rus)**

SURGERY

Transperitoneal ureterolithotomy. Bose TK, et al. **Br J Urol** 47(6):613–6, Dec 75

Proceeding: Pull–through ureterolithotomy. Urquhart–Hay D. **Br J Urol** 48(2):155–6, Apr 76

Pull–through uretero–lithotomy. Urquhart–Hay D. **NZ Med J** 83(559):156–8, 10 Mar 76

[3 cases of serious incidents during treatment of ureteral calculi] Ballanger R. **J Urol Nephrol (Paris)** 81(1–2):70–1, Jan–Feb 75 **(Fre)**

[Incidents and accidents of ureteral lithiasis. Apropos of 395 observations] Bollack C, et al. **J Urol Nephrol (Paris)** 81(1–2):82–8, Jan–Feb 75 **(Fre)**

[Severe sub–pyelic ureteral stenosis following ablation of a calculus in the pyelo– ureteral junction. Total uretero–ileoplasty] Caissel J. **J Urol Nephrol (Paris)** 81(1–2):78–81, Jan–Feb 75 **(Fre)**

[Complications of ureterotomies] Ducassou J, et al. **J Urol Nephrol (Paris)** 81(1–2):109–12, Jan–Feb 75 **(Fre)**

[Retroperitoneal effusion of urine. A rare complication of surgical treatment of calculi of the lumboiliac ureter] Dufour B, et al. **J Urol Nephrol (Paris)** 81(1–2):72–6, Jan–Feb 75 **(Fre)**

[Attempt at the prevention of accidents and complications of surgical treatment of ureteral calculi] Guillemin P, et al. **J Urol Nephrol (Paris)** 81(1–2):90–2, Jan–Feb 75 **(Fre)**

[Complications of surgical and endoscopic treatment of calculi of the pelvic ureter] Le Duc A, et al. **J Urol Nephrol (Paris)** 81(1–2):96–9, Jan–Feb 75 **(Fre)**

[Current status of complications of surgery for ureteral calculi] Le Guillou M, et al. **J Urol Nephrol (Paris)** 81(1–2):102–6, Jan–Feb 75 **(Fre)**

[Complications of surgical and endoscopic interventions for ureteral calculi] Mazeman E, et al. **J Urol Nephrol (Paris)** 81(1–2):127–30, Jan–Feb 75 **(Fre)**

[Incidents and complications of treatment of ureter calculi. Review of 650 cases] Navratil H, et al. **J Urol Nephrol (Paris)** 81(1–2):119–22, Jan–Feb 75 **(Fre)**

[Complications of surgery for ureteral lithiasis] Patoir G, et al. **J Urol Nephrol (Paris)** 81(1–2):122–5, Jan–Feb 75 **(Fre)**

[Complications of treatment of ureteral lithiasis] Quénu L. **J Urol Nephrol (Paris)** 81(1–2):125–7, Jan–Feb 75 **(Fre)**

[Iatrogenic complications of surgery of calculi in the terminal ureter] Steg A, et al. **J Urol Nephrol (Paris)** 81(1–2):92–6, Jan–Feb 75 **(Fre)**

[Complication of surgical treatment of ureteral lithiasis] Wolff D, et al. **J Urol Nephrol (Paris)** 81(1–2):61–9, Jan–Feb 75 **(Fre)**

[Treatment of ureteral calculi with the Zeiss loop] Minovi F. **Acta Med Iran** 17(3–4):113–20, Dec 74 **(Ger)**

[Removal of calculi from lower part of the ureter with Dormia's instrument] Darewicz J, et al. **Pol Przegl Chir** 48(6A):791–3, Jun 76 (Eng. Abstr.) **(Pol)**

THERAPY

Clinical and experimental studies on 'general attack therapy' of ureteral stones. **Chin Med J [Engl]** 2(1):25–32, Jan 76

Absence of vesicoureteral reflux after stone basket manipulation. Reflections on iatrogenic reflux. Maddocks RA, et al. **Urology** 7(3):272–5, Mar 76

Development of ureteral stone basket. Pfister RR, et al. **Urology** 6(3):337–8, Sep 75

[Electrostimulation of the ureter as a treatment method in ureteral calculi] Petkov P. **Khirurgiia (Sofiia)** 28(3):292–4, 1975 **(Bul)**

[Impaction of Dormia's catheter] Berge D. **J Urol Nephrol (Paris)** 81(1–2):88–90, Jan–Feb 75 **(Fre)**

[New approach in the endoscopic treatment of ureteral calculi] Bertrand G. **J Urol Nephrol (Paris)** 81(1–2):99–101, Jan–Feb 75 **(Fre)**

[Complications of endoscopic and surgical treatment of ureteral calculi] Bittard M, et al. **J Urol Nephrol (Paris)** 81(1–2):107–9, Jan–Feb 75 **(Fre)**

[An unusual accident of endoscopic extraction of a renal pelvic calculus: rupture of the renal pelvis] Dufour B. **J Urol Nephrol (Paris)** 81(1–2):76–8, Jan–Feb 75 **(Fre)**

[Extraction of ureteral calculi with Dormia's catheter. Indications and treatment] Lafrance L. **J Urol Nephrol (Paris)** 81(1–2):101–2, Jan–Feb 75 **(Fre)**

[Ureter calculi treated by endoscopic approach or by upper approach during the past 10 years] Lange J, et al. **J Urol Nephrol (Paris)** 81(1–2):112–6, Jan–Feb 75 **(Fre)**

[Incidents and accidents in treatment of ureteral lithiasis. Therapeutic results] Lhez A. **J Urol Nephrol (Paris)** 81(1–2):116–8, Jan–Feb 75 **(Fre)**

[Transurethral extraction of ureteral calculi facilitated by relaxation of the ureter by vibrations] Petterson S, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):494–7, Dec 74 **(Fre)**

[Use of antibiotics in the course of litholysis] Galli L, et al. **Atti Accad Med Lomb** 27(1–4):73–6, 1972 **(Ita)**

[Furosemide, inductothermy and sinusoidal modulated currents in treatment of ureteral calculi] Chumak GO, et al. **Sov Med** (7):134, Jul 75 **(Rus)**

VETERINARY

Letter: A case of calculus in the rabbit. Sen AK. **Vet Rec** 98(10):205–6, 6 Mar 76

URETERAL DISEASES

Ureteral diverticulosis. A new case and a review of the literature. Oosterlinck W, et al. **Acta Urol Belg** 42(4):406–9, Oct 74

Primary amyloidosis of the ureter: case report. Klotz PG. **Br J Urol** 47(5):518, Oct 75

A case report: salpingoureteral fistula. Keegan GT, et al. **J Urol** 115(2):218–9, Feb 76

Primary obstructive megaureter in children. Hanna MK, et al. **Urology** 6(4):419–27, Oct 75

[Uretero–uterine fistulas] Galka M, et al. **Ginekol Pol** 46(9):989–94, Sep 75 (Eng. Abstr.) **(Pol)**

[Uretero–vaginal fistulas] Kan DV. **Sov Med** (7):60–2, Jul 75 **(Rus)**

CHEMICALLY INDUCED

Pyeloureteral filling defects associated with systemic anticoagulation: a case report. Buntley DW, et al. **J Urol** 115(3):335–7, Mar 76

Ureteritis cystica after treatment of cyclophosphamide–induced hemorrhagic cystitis. Mahboubi S, et al. **Urology** 7(5):521–3, May 76

CLASSIFICATION

A simple classification of wide ureters. Whitaker RH, et al. **Br J Urol** 47(7):781–7, 1975

COMPLICATIONS

Multiple ureteral diverticula associated with bilateral ureterocoeles. McCall IW, et al. **Br J Urol** 47(5):538, Oct 75

Spontaneous rupture of an iliac artery aneurysm into a ureter: a case report and review of the literature. Rennick JM, et al. **J Urol** 116(1):111–3, Jul 76

[Giant cystic ureter with hydronephrosis] Dobrska E, et al. **Pol Przegl Chir** 48(6A):809–11, Jun 76 **(Pol)**

CONGENITAL

[Structure and physiology of congenital megaureters; surgical deductions] Gregoir W. **J Urol Nephrol (Paris)** 80(12 pt 2):457–61, Dec 74 **(Fre)**

[Surgical treatment of primary megaureter in childhood] Belloli G, et al. **Minerva Pediatr** 27(36):2014–29, 17 Nov 75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Aspects on the diagnosis of ureteric complications following renal transplantation. Frödin L, et al. **Scand J Urol Nephrol** (29 Suppl):107–10, 6–7 Mar 75

[Unusual case of an asymptomatic ureteroduodenal fistula] Aus der Urologischen Klinik des Städtischen Krankenhauses Neuköln, Berlin–West.. **Z Urol Nephrol** 68(10):757–8, Oct 75 **(Ger)**

ETIOLOGY

Paraureteral urinary pseudocyst following aortofemoral by–pass graft. Wallijn E, et al. **Acta Urol Belg** 42(4):472–7, Oct 74

Ureterovaginal fistula as a complication of radical pelvic surgery. Macasaet MA, et al. **Am J Obstet Gynecol** 124(7):757–60, 1 Apr 76

South American blastomycosis of the ureter. Silveira E, et al. **Am J Trop Med Hyg** 25(3):530–1, May 76

Pyelo–ureteritis cystica associated with a urinary tract infection due to a coagulase–negative staphylococcus. Barratt LJ, et al. **Aust NZ J Med** 5(5):447–9, Oct 75

Urinary tract dilatation in pregnancy. Schulman A, et al. **Br J Radiol** 48(572):638–45, Aug 75

Proceedings: The behavior of the ureters following Wertheim hysterectomy and radiotherapy for carcinoma of the cervix uteri. Taylor JS. **Br J Urol** 48(2):148, Apr 76

Rupture of the urether with associated pseudocystic formation. Zivković S, et al. **J Pediatr Surg** 11(3):473–5, Jun 76

Medial deviation of the ureters secondary to psoas muscle hypertrophy. Bree RL, et al. **Radiology** 118(3):691–5, Mar 76

Pyelocystostomy used as a treatment of ureteric necrosis after kidney transplantation. Lindstedt E, et al. **Scand J Urol Nephrol** 9(1):85–6, 1975

Pancreatic carcinoma with jejunal obstruction causing 'wandering ureter'. Ufema JW. **Semin Roentgenol** 11(3):145–6, Jul 76

Calcification of the bladder and papillary tumours of the bladder and ureters in gibbons (Hylobates lar) infected with Schistosoma haematobium (Iran). Kuntz RE, et al. **Trans R Soc Trop Med Hyg** 69(5–6):494–502, 1975

Periureteric fibrosis complicating kidney transplantation. Dunningham TH. **Urology** 6(3):363–6, Sep 75

[Clinical and radiological symptomatology of idiopathic retroperitoneal fibrosis] Vanwelkenhuyzen P, et al. **Acta Urol Belg** 43(1):21–8, Jan 75 (Eng. Abstr.) **(Fre)**

[Renal and retrovesical hydatidosis. Ureteral repercussion of renal hydatid cysts] Pabone–Macaluso M, et al. **Helv Chir Acta** 42(3):367–74, Jun 75 **(Fre)**

[Periureteritis revealing latent cancer] Richaud C, et al. **J Urol Nephrol (Paris)** 81(7–8):625–7, Jul–Aug 75 **(Fre)**

[Para–ureteric cyst. A rare complication of abdominal surgery (author's transl)] Wegener OH, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):347–50, Oct 75 (Eng. Abstr.) **(Ger)**

[Pheochromocytoma with scalloping of the ureter (author's transl)] Galanski M, et al. **Radiologe** 16(5):209–13, May 76 (Eng. Abstr.) **(Ger)**

[Ureter–uterus fistula after abortion] Hardt W, et al. **Z Urol Nephrol** 68(10):761–4, Oct 75 **(Ger)**

[Uretral stenosis due to ectasia of the ovarian vein] Di Silverio F, et al. **Minerva Urol** 27(1):31–41, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Clinical and experimental studies of ureteral diseases following surgical treatment of cervix neoplasms] Nagamatsu K. **Acta Med (Fukuoka)** 45(2):126–39, Apr 75 (Eng. Abstr.) **(Jpn)**

[Periureteral phlegmon as a rare complication of vaginal or abdominal deliveries] Zaczek T, et al. **Ginekol Pol** 47(2):167–9, Feb 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Pathogenesis of urogenital tuberculosis: an experimental study in guinea pigs. pp. 354–60. Winblad B, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

Bilharziasis of urinary bladder and ureter: comparative histopathologic study. Zahran MM, et al. **Urology** 8(1):73–9, Jul 76

[Pathological anatomy of the dilated ureter] Debled G. **J Urol Nephrol (Paris)** 80(12 pt 2):521–5, Dec 74 **(Fre)**

PHYSIOPATHOLOGY

[Dynamics of functional disorders of the upper urinary tract] Panikratov KD. **Urol Nefrol (Mosk)** (5):3–7, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiologic features of the interureteric ridge. Cunningham JJ. **Am J Roentgenol Radium Ther Nucl Med** 125(3):688–91, Nov 75

Submucosal hemorrhage of the renal collecting system. Kaiser JA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):311–3, Oct 75

Excretory urographic demonstration of ureteral displacement by sigmoid fecal impaction simulating retroperitoneal tumor. Haller JO, et al. **J Urol** 115(3):302–3, Mar 76

Ureteral diverticulosis. Schoborg TW, et al. **J Urol**

116(1):107–8, Jul 76
Localized amyloidosis of the ureter. Lee KT, et al. **Radiology** 120(1):60, Jul 76
Hernias of the ureter.—An anatomic-roentgenographic study. Pollack HM, et al. **Radiology** 117(2):275–81, Nov 75
Case profile: retrocaval ureter. Rao KG. **Urology** 6(3):385, Sep 75
[Effects of abdomino-perineal amputation of the rectum on the upper urinary apparatus. Apropos of a series of 100 cases] Bollack C, et al. **Chirurgie** 100(10):699–704, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**
[Ureteral diverticulosis] Rating RD. **Fortschr Geb Roentgenstr Nuklearmed** 123(2):184, Aug 75 **(Ger)**
[Radiologic diagnosis of mega-ureter in childhood (author's transl)] Ebel KD. **Roentgenblaetter** 28(7):297–302, Jul 75 (Eng. Abstr.) **(Ger)**

SURGERY

Successful allotransplantation of a kidney removed because of ureteral damage in an unrelated living donor. Mcloughlin MG, et al. **J Urol** 115(2):216–7, Feb 76
Management of extensively destroyed ureter: special reference to renal autotransplantation. Stewart BH, et al. **J Urol** 115(3):257–61, Mar 76
[Surgical treatment of megaureter in children] Faflová H. **Rozhl Chir** 54(9):602–5, Sep 75 (Eng. Abstr.) **(Cze)**
[Prosthetic replacement of the ureter. Experimental and clinical results] Dufour B, et al. **Chirurgie** 100(11):781–90, 13–20 Nov 74 **(Fre)**
[Personal experience with 12 cases of intraprostatic telescopage] Netto EN. **J Urol Nephrol (Paris)** 80(12 pt 2):552–4, Dec 74 **(Fre)**
[Indications, technic, and complications of the splitting of the ureteral tectorium] Fischer G, et al. **Z Urol Nephrol** 68(1):13–8, Jan 75 **(Ger)**
[Functional studies on the implanted ureter] Methfessel HD, et al. **Zentralbl Gynaekol** 97(6):351–60, 1975 (Eng. Abstr.) **(Ger)**
[Endoscopic treatment of uretero-vaginal fistulae] Sesia G, et al. **Minerva Urol** 27(6):262–7, Nov–Dec 75 (Eng. Abstr.) **(Ita)**
[Autotransplantation of the kidney in obliteration of the ureter] Riabinskiĭ VS, et al. **Urol Nefrol (Mosk)** (4):55–6, Jul–Aug 75 **(Rus)**
[Surgical tactics in bilateral diseases of the kidneys and ureters] Ginzburg LA, et al. **Vestn Khir** 114(1):47–51, Jan 75 (Eng. Abstr.) **(Rus)**

URETERAL NEOPLASMS

Recurrent transitional cell carcinoma complicating ileal conduit. Allan DM. **Br J Urol** 48(1):60, Feb 76
Ureteric invasion by endometriosis. Way S, et al. **Br J Urol** 48(1):38, Feb 76
Bilateral asynchronous primary carcinoma of the ureter. Adiga KM, et al. **Int Surg** 60(8):416–7, Aug 75
Fibrous polyps of the ureter. Davides KC, et al. **J Urol** 115(6):651–3, Jun 76
Leukoplakia of the urinary tract: a review. Reece RW, et al. **J Urol** 114(2):165–171, Aug 75
Upper urinary tract urothelial tumors. Batata M, et al. **Urol Clin North Am** 3(1):79–86, Feb 76
[Appendicular and ureteral adenomyomas. Problem of induction of the stroma in the endometriosis foci] Van Bogaert LJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(1):15–24, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[Bilateral, synchronous and symmetric cancer of the ureter (author's transl)] Siehoff T. **Urologe [A]** 15(3):135–6, May 76 (Eng. Abstr.) **(Ger)**
[Recurrence of papilloma of the renal pelvis on the ureteral stump many years after nephrectomy] Sandri R. **Minerva Urol** 27(5):229–31, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Ureteral obstruction from metastatic breast carcinoma. Geller SA, et al. **Arch Pathol** 99(9):476–8, Sep 75
Ureteral obstruction in simultaneous carcinoma of the prostate and the bladder. Shah N, et al. **Int Surg** 61(2):117–8, Feb 76
Proteinuria in patients with uroepithelial tumours with special regard to tumour size, clinical staging and grade of malignancy. Johansson B, et al. **Scand J Urol Nephrol** 9(1):45–9, 1975

DIAGNOSIS

Urothelial neoplasms of the upper urinary tract. A correlation between cytologic and histologic findings in 43 patients with urothelial neoplasms of the renal pelvis or ureter. Eriksson O, et al. **Acta Cytol (Baltimore)** 20(1):20–5, Jan–Feb 76
Metastatic carcinoma of the ureter. Fitch WP, et al. **Arch Surg** 111(8):874–6, Aug 76
Endometriosis mimicking ureterolithiasis. Traub YM, et al. **Br J Urol** 48(1):27–30, Feb 76
[Primary sarcoma of the ureter. Study of literature aprospos of a personal case] Giraud B, et al. **J Urol Nephrol (Paris)** 81(7–8):563–78, Jul–Aug 75 (24 ref.) **(Fre)**
[Anuria and nephretic colics revealing ureteral metastasis from uterine cancer] Patoir G, et al. **J Urol Nephrol (Paris)** 81(1–2):149–54, Jan–Feb 75 **(Fre)**
[Periureteritis revealing latent cancer] Richaud C, et al. **J Urol Nephrol (Paris)** 81(7–8):625–7, Jul–Aug 75 **(Fre)**
[Metastasis of clear cell renal carcinoma to the contralateral ureteral wall] Adamkiewica K, et al. **Pol Przegl Chir** 47(11A):1475–7, Nov 75 (Eng. Abstr.) **(Pol)**
[Diagnostic difficulties in primary ureteral carcinoma] Lejawka W. **Pol Przegl Chir** 47(11A):1479–82, Nov 75 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Neoplasia at the site of ureterosigmoidostomy. Carswell JJ 3d, et al. **J Urol** 115(6):750–2, Jun 76
Calcification of the bladder and papillary tumours of the bladder and ureters in gibbons (Hylobates lar) infected with Schistosoma haematobium (Iran). Kuntz RE, et al. **Trans R Soc Trop Med Hyg** 69(5–6):494–502, 1975

OCCURRENCE

Epidemiology and treatment of renal pelvic and ureteral tumors. Petković SD. **J Urol** 114(6):858–65, Dec 75

PATHOLOGY

Six years of experience with retrograde biopsy of intraureteral carcinoma using the Dormia stone basket. Kiriyama T, et al. **J Urol** 116(3):308–10, Sep 76
Ureteral metastasis from Wilms tumor. Stevens PS, et al. **J Urol** 115(4):467–8, Apr 76
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercise. Case 44–1975: **N Engl J Med** 293(20):1034–9, 13 Nov 75
[Endomyometriosis of the ureter] Fransen G, et al. **Acta Urol Belg** 43(4):411–8, Oct 75 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Multiple benign ureteral fibrous polyps. Hughes FA, et al. **Am J Roentgenol** 126(4):723–7, Apr 76
Angiographic aspects of tumors of renal pelvis and ureter. Pousson JE, et al. **Urology** 7(3):334–6, Mar 76
[Endometriosis of ureter (author's transl)] Girl J, et al. **Cesk Radiol** 30(2):113–7, Mar 76 (Eng. Abstr.) **(Cze)**
[Uro-radiographic investigations in patients with tumors in the large bowel (author's transl)] Musumeci R, et al. **Tumori** 61(4):401–11, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

SURGERY

Proceedings: Conservative surgical management of primary tumours of the ureter. Macky JW. **Br J Urol** 48(2):149, Apr 76
The ureteral stump after nephroureterectomy. Strong DW, et al. **J Urol** 115(6):654–5, Jun 76
Indications for combined psoas-bladder hitch procedure with Boari vesical flap. Kishev SV. **Urology** 6(4):447–52, Oct 75
[Replacement of the ureter by silicone elastomer prostheses (3 cases)] Leemans J, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):424–9, Dec 74 **(Fre)**
[Operations in ureteral neoplasms] Aĭvazian AV. **Urol Nefrol (Mosk)** (6):18–21, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

URINE

A study on the clinical significance of urinary beta-aminoisobutyric acid in patients with urothelial tumours. Nyholm KK, et al. **Biomedicine** 22(6):509–16, Nov 75

URETERAL OBSTRUCTION

Influence of renin depletion on renal function after release of 24-hour ureteral obstruction. Huguenin M, et al. **J Lab Clin Med** 87(1):58–64, Jan 76
[Personal experience with obstructive uropathy and vesico-ureteral reflux. Considerations] Bartolomucci E, et al. **Pediatria (Napoli)** 82(4):537–50, 31 Dec 74 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Ureteric obstruction complicating Crohn's disease in the terminal ileum. Fasth S, et al. **Acta Chir Scand** 142(3):275–7, 1976
Urinothorax—an unusual pleural effusion. Barek LB, et al. **Br J Radiol** 48(572):685–6, Aug 75
Acute renal failure secondary to ureteral fungus ball obstruction in a patient with reversible deficient cell-mediated immunity. Levin DL, et al. **Clin Nephrol** 4(5):202–10, Nov 75
Experimental pyelonephritis—a histopathological study of blood borne and ascending patterns of infection. Prakash C, et al. **J Assoc Physicians India** 23(7):409–13, Jul 75
The pathogenesis of post-obstructive diuresis. The role of circulating natriuretic and diuretic factors, including urea. Harris RH, et al. **J Clin Invest** 56(4):880–7, Oct 75
Hyperreninemic hypertension in an infant secondary to pelviureteric obstruction treated successfully by surgery. Carella JA, et al. **J Pediatr** 88(6):987–9, Jun 76
Pelviureteric obstruction in infancy. Robson WJ, et al. **J Pediatr Surg** 11(1):57–61, Feb 76
Proliferation of renal interstitial cells following injury induced by ureteral obstruction. Nagle RB, et al. **Lab Invest** 35(1):18–22, Jul 76
Cystic changes in adult human kidneys after ureteral obstruction: microdissection studies. Baert L, et al. **Urology** 7(5):526–8, May 76
Bilateral complete renal duplication with total obstruction of both lower pole collecting systems. Dahl DS. **Urology** 6(6):727–9, Dec 75
[Bilateral rupture of the ureters and cancer of the prostate] Dufour A, et al. **J Urol Nephrol (Paris)** 81(10–11):843–8, Oct–Nov 75 **(Fre)**
[Pathogenesis of the extravasation of urine into the renal sinus and the perinephric and periureteral cellular tissue] Pytel' IuA. **Urol Nefrol (Mosk)** (4):25–30, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CONGENITAL

Ureteropelvic obstruction of duplex kidney. Lifland JH. **Urology** 6(5):603–4, Nov 75
[Obstructive uropathies related to neonatal ascites (author's transl)] Coussement A, et al. **Ann Radiol (Paris)** 18(6):619–22, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[The post-obstruction syndrome in pediatric urology] Le Coultre C, et al. **Helv Chir Acta** 43(1–2):125–8, Mar 76 **(Fre)**

DIAGNOSIS

Equivocal pelvi-ureteric obstruction. Whitaker RH. **Br J Urol** 47(7):771–9, 1975
Ureteral pressure flow studies in difficult diagnostic problems. Marshall V, et al. **J Urol** 114(2):204–7, Aug 75
Obstructive uropathy in the transplanted kidney: evaluation by gray scale sonography. Rosenfield AT, et al. **J Urol** 116(1):101–2, Jul 76
Investigating wide ureters with ureteral pressure flow studies. Whitaker RH. **J Urol** 116(1):81–2, Jul 76
Unusual urinary tract radioactivity patterns during 57Co-bleomycin scintigraphy. Papavasiliou C, et al. **Nuklearmedizin** 15(2):97–8, Apr 76
[Clinical examinations of the information value of isotope nephrogram after unilateral ureteral occlusion (author's transl)] Voigt R. **Radiobiol Radiother (Berl)** 16(2):241–3, 1975 (Eng. Abstr.) **(Ger)**
[Simultaneous tracing of 131-I-hippuran and 197-HG-chlormerodrin uptake curve in obstructive uropathy (author's transl)] Sakurai T, et al. **Jpn J Urol** 66(11):761–9, Nov 75 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Possible pharmacological means of treating renal colic. Peters HJ, et al. **Urol Res** 3(2):55–9, 8 Aug 75

ETIOLOGY

Obstruction of the upper urinary tract after treatment of carcinoma of the uterine cervix. Ulmsten U. **Acta Obstet Gynecol Scand** 54(4):297–301, 1975
Ureteral obstruction from metastatic breast carcinoma. Geller SA, et al. **Arch Pathol** 99(9):476–8, Sep 75
Peritoneal tuberculosis with ureteric obstruction, mimicking retroperitoneal fibrosis. Bentley PG, et al. **Br J Urol** 48(3):170, Jun 76
Ureteric obstruction due to urine prolapse. Chapman RH. **Br J Urol** 47(5):531–4, Oct 75
Cystitis glandularis causing bilateral ureteric obstruction and hydronephrosis. Rao KG. **Br J Urol** 47(4):398, Aug 75
Traumatic avulsion of the ureter with obstruction, pseudocyst formation and hypertension. Ribeiro BF, et al. **Br J Urol** 48(2):107–10, Apr 76
Procidentia and ureteric obstruction. Riddle PR, et al. **Br J Urol** 47(4):387–90, Aug 75
Lymphocele following renal transplantation: an unusual cause of urinary retention. Schiff M Jr, et al. **Br J Urol** 48(2):122, Apr 76
Urological complications following aortofemoral bypass graft. Wallijn E, et al. **Br J Urol** 47(6):617–21, Dec 75
Ureteral obstruction in simultaneous carcinoma of the prostate and the bladder. Shah N, et al. **Int Surg** 61(2):117–8, Feb 76
Acute ureteral obstruction by lymphoceles following cadaver kidney transplantation. Siegal B, et al. **Isr J Med Sci** 12(6):548–52, Jun 76
Ureteral duplication with obstruction. Delph WI, et al. **J Natl Med Assoc** 68(2):125–8, Mar 76
Localized ureteral fibrosis: an unrecognized complication of radiation therapy for prostatic carcinoma. Jacobs JA, et al. **J Urol** 115(5):610–1, May 76
Milk-of-calcium obstruction of the ureter. Kay C, et al. **J Urol** 114(6):940–1, Dec 75
Retroperitoneal fat necrosis producing ureteral obstruction. Ross JS, et al. **J Urol** 115(5):524–9, May 76
Urologic complications of inflammatory bowel disease. Shield DE, et al. **J Urol** 115(6):701–6, Jun 76
Ureteral obstruction and pyelonephritis caused by an inguinal hernia: report of a case. Tomford JW, et al. **J Urol** 115(3):333–4, Mar 76
Late effects of transurethral resection of bladder tumours at the ureteric orifice. Gottfries A, et al. **Scand J Urol Nephrol** 9(1):32–5, 1975
Surgical injuries of the ureter. A review of 42 cases. Ihse I, et al. **Scand J Urol Nephrol** 9(1):39–44, 1975
The prognostic significance of ureteral obstruction in patients with recurrent carcinoma of the cervix uteri. Van Dyke AH, et al. **Surg Gynecol Obstet** 141(3):371–3, Sep 75
Pelvic endometriosis and ureteral obstruction. Langmade CF.

Trans Pac Coast Obstet Gynecol Soc 42:56–62, 1975
Obstruction of ureter by abnormal right spermatic vein. Mellin HE, et al. **Urology** 6(4):517–9, Oct 75
Letter: Constipation: a cause of urinary tract obstruction and infection. Ravich L. **Urology** 7(2):236–7, Feb 76
Bilateral ureteral obstruction due to malignant lymphoma. Williams G, et al. **Urology** 7(6):649–51, Jun 76
[Unusual developmental aspects of retroperitoneal fibrosis] Declercq M, et al. **Acta Urol Belg** 43(1):43–6, Jan 75 **(Fre)**
[Severe sub-pyelic ureteral stenosis following ablation of a calculus in the pyelo- ureteral junction. Total uretero-ileoplasty] Caissel J. **J Urol Nephrol (Paris)** 81(1–2):78–81, Jan–Feb 75 **(Fre)**
[Ureteral obstruction caused by the right ovarian vein (author's transl)] Günther E, et al. **Radiologe** 15(7):297–300, Jul 75 (Eng. Abstr.) **(Ger)**
[Stenosing of both ureters due to an appendix carcinoma] Weckner W, et al. **Z Urol Nephrol** 69(02):127–8, Feb 76 **(Ger)**
[Congenital malformations of the urinary tract causing obstruction] Andrade Espinoza J, et al. **Gac Med Mex** 110(4):241–6, Oct 75 **(Spa)**
[Neoplasms of the uterine cervix and urinary obstruction] Hernández González M. **Gac Med Mex** 110(4):253–7, Oct 75 **(Spa)**
[Urinary obstruction of prostatic origin] Sopeña M. **Gac Med Mex** 110(4):250–3, Oct 75 **(Spa)**

METABOLISM

Renal function and metabolism after relief of unilateral ureteral obstruction. Blondin J, et al. **Proc Soc Exp Biol Med** 150(1):71–6, Oct 75

MICROBIOLOGY

[Ureteral obstruction due to a candida bezoar following kidney transplantation] Stäubli M, et al. **Mykosen** 18(10):443–8, Oct 75 **(Ger)**

OCCURRENCE

[Urinary lithiasis and obstruction. Mexican data during 10 years in the center of the Mexican Republic] Guani Lira R, et al. **Gac Med Mex** 110(4):246–50, Oct 75 **(Spa)**

PATHOLOGY

Tubular dimensions and juxtaglomerular granulation index in rat kidneys after unilateral obstruction of the ureter. A study of the morphogenesis of hydronephrosis. Schubert GE, et al. **Urol Res** 3(3):115–22, 29 Oct 75
[Obstruction of the urinary tract. I. Introduction] Woolrich J. **Gac Med Mex** 110(4):237–8, Oct 75 **(Spa)**

PHYSIOPATHOLOGY

Time course of ureteral changes with obstruction. Biancani P, et al. **Am J Physiol** 231(2):393–8, Aug 76
Relationship between renal blood flow and ureteral pressure during 18 hours of total unilateral uretheral occlusion. Implications for changing sites of increased renal resistance. Moody TE, et al. **Invest Urol** 13(3):246–51, Nov 75
The recovery of function of chronically obstructed and infected ureters. Rose JG, et al. **Invest Urol** 13(2):125–30, Sep 75
Investigation of urine transport in the ureter of the pig by x-ray videodensitometry. II. The effect of an increasing obstruction on velocity, rhythm, and efficiency of the contraction waves. Tscholl R, et al. **Invest Urol** 13(6):410–3, May 76
The role of the medullary collecting ducts in postobstructive diuresis. Sonnenberg H, et al. **J Clin Invest** 57(6):1564–74, Jun 76
On the site of decreased fluid reabsorption after release of ureteral obstruction in the rat. Buerkert J, et al. **J Lab Clin Med** 87(3):397–410, Mar 76
Recovery of renal function after prolonged unilateral ureteral obstruction. Shapiro SR, et al. **J Urol** 115(2):136–40, Feb 76
The effect of surgical trauma, ischaemia and ureteral occlusion on renal blood flow and function. An experimental study in the rabbit. Lyrdal F. **Scand J Urol Nephrol** Suppl 24:1–15, 1975
[Renal function in urinary tract obstruction] Ogawa A. **Jpn J Urol** 66(9):549–55, Sep 75 **(Jpn)**
[Physiology of urinary obstruction] Rojas AG. **Gac Med Mex** 110(4):238–41, Oct 75 **(Spa)**

RADIOGRAPHY

Intravenous pyelographic visualization after complete ureteral obstruction with hypertonic solute loading. Woodruff MW, et al. **Invest Urol** 13(6):445–8, May 76
Peripelvic extravasation, urinoma formation and tumor obstruction of the ureter. Twersky J, et al. **J Urol** 116(3):305–7, Sep 76
Reflux and trapping. Weiss RM, et al. **Radiology** 118(1):129–31, Jan 76
Case profile: iatrogenic block of ileoureteral orifice. Pearlman CK, et al. **Urology** 6(5):642, Nov 75
[Urographic and cineradiographic follow-up studies in ureteral stenoses following radical pelvic operations (author's transl)] Schreyer H, et al. **Geburtshilfe Frauenheilkd** 35(10):741–7, Oct 75 (Eng. Abstr.) **(Ger)**

SURGERY

Ureterocalyceal anastomosis. Report on 4 cases. Arap S, et al. **Acta Urol Belg** 43(4):392–410, Oct 75
Results of the surgical treatment of subpelvic stenosis of the ureter by Anderson-Hynes pyeloplasty as modified by Couvelaire. Wagenaar J. **Arch Chir Neerl** 28(1):21–4, 1976
The surgical management of tuberculous lower ureteric stricture. O'Boyle PJ, et al. **Br J Urol** 48(2):101–5, Apr 76
Ring ureterostomy. Williams DI, et al. **Br J Urol** 47(7):789–92, 1975
A review of children operated upon because of stenosis of the pelvo-ureteral junction. Iversen K, et al. **Int Urol Nephrol** 7(2):103–7, 1975
Renal autotransplantation for upper ureteral stenosis. Deweerd JH, et al. **J Urol** 116(1):23–5, Jul 76
Experience with indwelling ureteral stent catheters. Gibbons RP, et al. **J Urol** 115(1):22–6, Jan 76
Vascular distal ureteral obstruction. Read BP, et al. **J Urol** 114(5):762–4, Nov 75
Treatment of irradiation injury to the ureter by ileal substitution. Perry CP, et al. **Obstet Gynecol** 46(5):517–22, Nov 75
Indications for combined psoas-bladder hitch procedure with Boari vesical flap. Kishev SV. **Urology** 6(4):447–52, Oct 75
Pyeloplasty with T-tube ureterotomy. Kohler FP, et al. **Urology** 6(4):443–6, Oct 75
[Complete obstruction of a silicone ureteral prosthesis] de Leval J, et al. **Acta Urol Belg** 43(1):5–10, Jan 75 **(Fre)**
[Uretero-ileoplasty in bilharzian uretero-hydronephrosis] Cornet L, et al. **J Chir (Paris)** 111(4):417–30, Apr 76 (Eng. Abstr.) **(Fre)**
[Replacement of the ureter by silicone elastomer prostheses (3 cases)] Leemans J, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):424–9, Dec 74 **(Fre)**
[Irregular and excessive regeneration of the ureteral wall and the pyelo-ureteral junction following intubated ureterotomy] Borkowski A. **Pol Przegl Chir** 47(11A):1435–9, Nov 75 (Eng. Abstr.) **(Pol)**
[Surgical tectics in congenital obstructive diseases of the ureter in children] Pugachev AG, et al. **Urol Nefrol (Mosk)** (6):31–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Criteria for the management of urinary obstructions] López Engelking R. **Gac Med Mex** 110(4):257–61, Oct 75 **(Spa)**

THERAPY

[Removal of an obstacle. Medicosurgical conduct] pp. 183–97. Chapman A, et al. **In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** **(Fre)**

VETERINARY

A horse with one kidney, partially obstructed ureter, and contralateral urogenital anomalies. Johnson BD, et al. **J Am Vet Med Assoc** 169(2):217–9, 15 Jul 76

URETEROCELE

Ureterocele. Sussman ML, et al. **Ariz Med** 32(11):865–8, Nov 75
[Ureterocele in children] Sanna G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:498–9, 1975 **(Fre)**
[Ureterocele] Banchieri FR, et al. **Minerva Urol** 27(6):273–6, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Multiple ureteral diverticula associated with bilateral ureterocoeles. McCall IW, et al. **Br J Urol** 47(5):538, Oct 75

CONGENITAL

[Diagnosis and surgical treatment of ectopic ureterocele in children] Ostropol'skaia EA, et al. **Klin Khir** (12):44–6, Dec 75 **(Rus)**

DIAGNOSIS

Unusual presentation of cecoureterocele. Shappley NP, et al. **Urology** 6(5):605–8, Nov 75

RADIOGRAPHY

Radiologic notes. **Mt Sinai J Med NY** 42(6):602–14, Nov–Dec 75
Two unusual conditions simulating ectopic ureterocele. Unilateral hydrometrocolpos with ipsilateral renal agenesis or hypoplasia, and ectopic ureteral opening into a seminal vesicle. Sutton TJ, et al. **Radiology** 117(2):381–4, Nov 75

SURGERY

Surgical treatment of ureterocele. A follow-up study of 56 operated cases in 52 adult patients. Madsen M, et al. **Scand J Urol Nephrol** 9(3):226–9, 1975

URETHANE

see related
POLYURETHANES

Letter: Long-range steric effects on rotational barriers in peptide chains. Young RE, et al. **Biopolymers** 14(7):1547–9, Jul 75
Cell kinetics of urethane induced murine pulmonary adenomata: I. The growth rate. Dyson P, et al. **Br J Cancer** 31(4):405–16, Apr 75
Cell kinetics of urethane-induced murine pulmonary adenomata: II, the growth fraction and cell loss factor. Dyson P, et al. **Br J Cancer** 33(1):105–11, Jan 76
Comparison of tumour susceptibility among various organs of foetal, young and adult ICR/Jcl mice. Nomura T. **Br J Cancer** 33(5):521–34, May 76
C-type virus particles in urethan-induced pulmonary and renal carcinomas, in cell-graft-transmitted carcinosarcomas, and in filtrate-induced lymphomas in mice. Gross L, et al. **Cancer Res** 36(1):181–8, Jan 76
Tumor development in immunologically deficient nude mice after exposure to chemical carcinogens. pp. 257–64. Stutman O. **In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.**
Carcinogenesis in vitro. II. Chemical transformation of diploid human cell cultures: A rare event. Igel HJ, et al. **In Vitro** 11(3):117–29, May–Jun 75
Effect of heating on UV spectra of DNA treated with urethan in vivo and in vitro. Shenoy AR, et al. **Indian J Biochem Biophys** 13(1):87–90, Mar 76
Biological studies on the effect of DNA extracted from urethan treated mice. Bhide SV, et al. **Indian J Cancer** 12(2):187–91, Jun 75
Craniofacial contour defect reconstruction with a dacron/urethane composite: an alloplastic tray for bone induction fabrication and application. Leake DL, et al. **J Biomed Mater Res** 10(4):555–60, Jul 76
Letter: Exposure to triethylenediamine (TEDA) in urethane foam manufacture. Pagnotto LD, et al. **J Occup Med** 18(8):523–4, Aug 76
Proceedings: Fluctuating anaesthetic state in the rat anaesthetized with urethane. Angel A, et al. **J Physiol (Lond)** 259(1):11P–12P, Jul 76
On the influence of chloramphenicol on the induction of lung adenomas by urethane in mice. Shabad LM, et al. **Neoplasma** 22(4):347–54, 1975
Effects of x-radiation and urethane on survival and tumor induction in three strains of rats. Myers DK. **Radiat Res** 65(2):292–303, Feb 76
Lymphocyte functions in the rat spleen at various times after urethan administration. Di Marco AT, et al. **Tumori** 61(4):319–26, Jul–Aug 75
[Stimulation of pulmonary tumorigenesis by urethane in BALB/c mice pretreated with soluble antigens extracted from a tumor of the lung is ascitic form (LTA) by use of hypertonic solution of potassium chloride] Ribacchi R. **Lav Ist Anat Istol Patol Perugia** 34(3):131–40, 1974 (Eng. Abstr.) **(Ita)**
[Stimulation of pulmonary tumorigenesis by urethane in BALB/c mice pretreated with soluble antigens extracted from a mammary tumor in ascitic form (ATPC+) by use of hypertonic solutions of potassium chloride] Ribacchi R. **Lav Ist Anat Istol Patol Perugia** 34(3):109–14, 1974 (Eng. Abstr.) **(Ita)**
[Lung tumors developing under the effect of urethane and influenza virus] Botsman NE, et al. **Vrach Delo** (2):88–91, Feb 74 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Urethan (ethyl carbamate) as a cosolvent of drugs commonly used parenterally in humans. Nomura T. **Cancer Res** 35(10):2895–9, Oct 75
[Acceleration in the development of experimental pulmonary fibrosis by urethane following intratracheal administration of cadmium sulfide and coal-dust] Rosmanith J, et al. **Beitr Silikoseforsch** 27(1):13–19, 1975 (Eng. Abstr.) **(Ger)**
[Changes in the organ of vision in persons working with synthetic urethane rubber] Mel'nikova ND. **Oftalmol Zh** 30(6):465–7, 1975 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Experimental acute alveolar injury in the dog. Morphologic—mechanical correlations. Ryan SF, et al. **Am J Pathol** 82(2):353–72, Feb 76
The effect of ethylurethane on hematocrit, blood pressure and plasma-glucose. Van Der Meer C, et al. **Arch Int Pharmacodyn Ther** 217(2):257–75, Oct 75
Mutagenic selectivity of carcinogenic nitroso compounds. II. N,N-dimethylnitrosamine. Fahmy OG, et al. **Chem Biol Interact** 11(5):395–412, Nov 75
DNA repair synthesis in guinea pig pancreatic slices following in vitro exposure to N-nitrosomethylurethane. Hasumi K, et al. **Chem Biol Interact** 13(3–4):279–86, Jun 76
A study of the change in DNA synthesis of S phase cells treated with N-methyl-N-nitrosourethane: a study using Amoeba proteus as a single cell model. Ord MJ. **Chem Biol Interact** 12(3–4):325–40, Mar 76
Kinetics of DNA repair synthesis in guinea-pig pancreatic slices following in vitro exposure to N-methyl-N-nitrosourethane. Iqbal ZM, et al. **Experientia** 32(8):1055–6, 15 Aug 76
[Use of methyl-3 hydroxy-6 quinazoline dione-2-4 to study effect of other compounds on mitosis duration in root

meristems: application to phenylurethane] Chaouat L, et al. **C R Soc Biol (Paris)** 169(5):1151–4, 1975 (Eng. Abstr.) **(Fre)**

[Tumour inhibitory N-(bis—(2-chlorethyl)-aminomethyl)-urethanes (author's transl)] Schinenberger H, et al. **Z Krebsforsch** 84(3):277–40, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Formation of sulfhemoglobin using various drugs] Nomura A. **Folia Pharmacol Jpn** 71(4):351–65, May 75 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Gastric secretion during anaesthesia and its inhibition by metiamide and other drugs. Schachter M, et al. **Experientia** 31(8):964–5, 15 Aug 75

METABOLISM

Urethan and 3,4–benzpyrene interactions with macromolecules of human cells grown in vitro. Ranadive DV, et al. **Indian J Biochem Biophys** 12(1):58–9, Mar 75

PHARMACODYNAMICS

The effect of urethan on cyclic events in the regenerating rat liver. Sartorelli AC, et al. **Adv Enzyme Regul** 13:295–313, 1975

The effect of urethan on hydra. Macklin M. **Biol Bull** 150(3):442–52, Jun 76

CNS depressants: effects on post–synaptic pharmacology. Barker JL. **Brain Res** 92(1):35–55, 4 Jul 75

Anesthetic–dependent field potential interactions in the olfactory bulb. Stewart WB, et al. **Brain Res** 103(3):487–99, 27 Feb 76

Relationship between nucleolar microspherule formation by urethan and inhibition of RNA and protein synthesis. Lombardi L. **Cancer Res** 36(7 PT 1):2210–5, Jul 76

Effects of the carcinogen urethane on nuclear RNA polymerase activities. Eker P. **Eur J Cancer** 11(7):493–7, Jul 75

Two types of hippocampal rhythmical slow activity in both the rabbit and the rat: relations to behavior and effects of atropine, diethyl ether, urethane, and pentobarbital. Kramis R, et al. **Exp Neurol** 49(1 Pt 1):58–85, Oct 75

Tumorigenicity of human cell cultures transformed by urethane 'in vitro'. Ravishankar AG, et al. **Indian J Cancer** 12(3):286–94, Sep 75

Selective effect on T and B cell subpopulations in rat lymphoid organs after urethan treatment. Franceschi C, et al. **Int Arch Allergy Appl Immunol** 50(5):513–24, 1976

Proceedings: Influence of urethane and pentobarbitone on stimulus secretion coupling in the neurohypophysis. Dyball RE. **J Endocrinol** 67(2):34P–35P, Nov 75

Potentiation by urethane and inhibition by pentobarbitone of oxytocin release in vitro. Dyball RE. **J Endocrinol** 67(3):453–8, Dec 75

Changes in mouse blood pressure, tumor blood flow, and core and tumor temperatures following nembutal or urethane anesthesia. Johnson R, et al. **Radiology** 118(3):697–703, Mar 76

Effects of pentazocine on coronary hemodynamics under pentobarbital or chloralose–urethane anesthesia in dogs. Yusa T, et al. **Tohoku J Exp Med** 118(3):241–5, Mar 76

Effect of urethan on the synthesis of nucleic acids in thymus, spleen, and bone marrow. Prodi G, et al. **Z Krebsforsch** 84(3):281–9, 25 Nov 75

[Epithelial proliferations in organ cultures of mouse lung treated with urethane and 3,4–benzopyrene] Uzunov P, et al. **Eksp Med Morfol** 15(2):103–7, 1976 (Eng. Abstr.) **(Bul)**

[Proceedings: Membrane action and action sites of urethane] Kamakura K, et al. **J Physiol Soc Jpn** 36(8–9):347–8, 1 Sep 74 **(Jpn)**

[Autoradiographic studies of early stages of influenza virus interaction with cells treated with a mutagenic agent] Frolov AF, et al. **Mikrobiol Zh** 37(1):89–92, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

URETHRA

Artifical urinary sphincter. Patterson D, et al. **Can Nurse** 71(11):27–31, Nov 75

Urethroscopy – the neglected gynecologic procedure. Robertson JR. **Clin Obstet Gynecol** 19(2):315–40, Jun 76

Iatrogenic foreign body in the posterior urethra. Seery WH, et al. **J Natl Med Assoc** 68(1):63, Jan 76

New trial for fiberoptic cystourethroscopy: the use of metal sheath. Aso Y, et al. **J Urol** 115(1):99–101, Jan 76

Passive urethral compression with a silicone gel prosthesis for the treatment of male urinary incontinence. Kaufman JJ, et al. **Mayo Clin Proc** 51(6):373, Jun 76

Artificial sphincter in the dog. Rey P, et al. **Trans Am Soc Artif Intern Organs** 22:689–92, 1976

[CO2–urethroscopy for the evaluation of female urinary incontinence] Wrage D, et al. **Arch Gynaekol** 219(1–4):227–8, 18 Nov 75 **(Ger)**

[Hemolysis in not the cause of the TUR–syndrome. The use of non–hemolytic solutions does not prevent its occurrence (author's transl)] Iglesias JJ, et al. **Urologe [A]** 14(6):292–5, Nov 75 (Eng. Abstr.) **(Ger)**

[How to prevent the TUR–syndrome (author's transl)] Iglesias JJ, et al. **Urologe [A]** 14(6):287–91, Nov 75 (Eng. Abstr.) **(Ger)**

[Foreign bodies in the urethra] Boden O. **Z Urol Nephrol** 68(10):759, Oct 75 **(Ger)**

[Dilatation of the urethra due to coitus unassociated with urinary incontinence] Traina V. **Riv Ital Ginecol** 56(4):303–10, Jul 75 (Eng. Abstr.) **(Ita)**

[Foreign body in urethra as a cause of urine retention] Budzyński B, et al. **Pol Przegl Chir** 47(11A):1497–8, Nov 75 (Eng. Abstr.) **(Pol)**

[Rare case of foreign bodies in the perineal area and urethra] Kazoń M, et al. **Wiad Lek** 29(12):1117–20, 15 Jun 76 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Partial duplication of the urethra. An unusual case. Vaidyanathan S, et al. **Acta Urol Belg** 42(4):410–3, Oct 74

Incomplete urethral duplication. Morrison IS, et al. **Australas Radiol** 20(1):62–3, Mar 76

Letter: Incomplete urethral duplication and urinary retention. Colodny AH, et al. **Br J Urol** 47(5):582–3, Oct 75

Posterior urethral valves in siblings. Farkas A, et al. **Br J Urol** 48(1):76, Feb 76

Proceedings: The upper urinary tract in urethral valves. Utley WL. **Br J Urol** 48(2):147, Apr 76

Bifid urethra with pre–anal accessory track (Y duplication). Williams DI, et al. **Br J Urol** 47(7):877–82, 1975

The 'spinnaker sail' appearance of the posterior urethral valve in infants. Cremin BJ. **J Can Assoc Radiol** 26(3):188–91, Sep 75

Ectopic ureter passing through the external urethral sphincter: report of a case. Ogawa A, et al. **J Urol** 116(1):109–10, Jul 76

Urinary ascites secondary to posterior urethral valves. Scott TW. **J Urol** 116(1):87–91, Jul 76

Urethrosphincteric reconstruction for congenitally absent urethra. Tanagho EA. **J Urol** 116(2):237–42, Aug 76

Case report of neonatal ascites (urinary) due to obstructive uropathy. Devadason I. **Med J Malaysia** 30(3):243–4, Mar 76

Duplication of the urethra. Effmann EL, et al. **Radiology** 119(1):179–85, Apr 76

Duplication of the male urethra treated by septotomy. A case report. Tveter KJ, et al. **Scand J Urol Nephrol** 10(1):84–7, 1976

Anterior urethral valves. Baum N, et al. **Urology** 6(6):723–6, Dec 75

Total duplicate exstrophic bladder and urethra: variation of incomplete bladder exstrophy. Kogan SJ, et al. **Urology** 8(1):55–7, Jul 76

Urethral duplication, with associated agenesis of left kidney and right ureteral ectopia. Mehan DJ, et al. **Urology** 6(4):476–9, Oct 75

Posterior urethral valves. Schoenberg HW, et al. **Urology** 7(6):611–6, Jun 76 (16 ref.)

[Case of congenital megaurethra associated with bilateral renal hyperplasia] Colas M, et al. **Bull Assoc Anat (Nancy)** 59(166):591–600, Sep 75 (Eng. Abstr.) **(Fre)**

[Accessory urethra] Hasselbacher K, et al. **Z Urol Nephrol** 68(2):139–40, Feb 75 **(Ger)**

[Cystic nephropathy caused by renal dysplasia with urethral atresia] Vassallo G, et al. **Pediatria (Napoli)** 83(1):136–43, 31 Mar 75 (Eng. Abstr.) **(Ita)**

[Valves of posterior urethra] Kaliciński Z, et al. **Pol Przegl Chir** 48(2 A):219–26, Feb 76 (Eng. Abstr.) **(Pol)**

ANALYSIS

[Histochemical studies of mucopolysaccharides in the urethral glands of newborns (glands of Littre) (author's transl)] Salesses A, et al. **Acta Histochem (Jena)** 52(1):13–6, 1975 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Histomorphology of the urethral process of the goat (Capra hircus). Ghoshal NG, et al. **Acta Anat (Basel)** 94(4):567–73, 1976

The structure and innervation of smooth muscle in the wall of the bladder neck and proximal urethra. Gosling JA, et al. **Br J Urol** 47(5):549–58, Oct 75

Normal size of the urethral meatus in boys. Litvak AS, et al. **J Urol** 115(6):736–7, Jun 76

[On the size of the male urethra. Consequences of transurethral prostatic resection (author's transl)] Frohmüller H, et al. **Urologe [A]** 15(4):182–4, Jul 76 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Venous vascular changes in prostatic adenomyomatosis] Kótay P, et al. **Rev Chir [Chir]** 24(4):297–303, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

CYTOLOGY

The distribution of endocrine–like cells in the human male and female urethral epithelium. Lendon RG, et al. **Experientia** 32(3):377–8, 15 Mar 76

DRUG EFFECTS

Estrogenic sensitivity of alpha–receptors in the urethra musculature. Schreiter F, et al. **Urol Int** 31(1–2):13–9, 1976

Intraurethral pressure response to the mucosal application of neuropharmacologic agent: an experiment study. Tulloch AG, et al. **Urol Int** 31(3):165–70, 1976

Effects of phenoxybenzamine hydrochloride on canine lower urinary tract: clinical implications. Khanna OP, et al. **Urology** 6(3):323–30, Sep 75

[Proceedings: The effect of the parasympathomimetic, distigmine bromide (Ubretid) on the female urethral closure] Eduah SB, et al. **Gynaekol Rundsch** 15 suppl 1:115–7, 1975 **(Ger)**

[Proceedings: Effects of phenoxybenzamine on the intra–urethral pressure curve] Yasuda K, et al. **Jpn Arch Intern Med** 11(4):216–7, Dec 75 **(Jpn)**

INJURIES

Urologic complications following abdominoperineal resection of the rectum. Andersson A, et al. **Arch Surg** 111(9):969–71, Sep 76

The management of urethral injury. McIlory RF. **Br J Urol** 48(2):145–6, Apr 76

Editorial: Injuries to the urethra. **Br Med J** 1(6009):544, 6 Mar 76

Injuries of the urethra in the male. Blandy J. **Injury** 7(2):77–83, Nov 75

Trauma to the urethra. Mitchell JP. **Injury** 7(2):84–8, Nov 75

First aid and general principles of treatment of urethral injuries accompanying pelvic fractures. Zieliński J. **Int Urol Nephrol** 7(2):131–4, 1975

How they handle urethral injuries at Case Western Reserve. Persky L. **Med Times** 104(5):73–8, May 76

Surgical repair of an anterior urethral laceration in a dog. Bodle JE. **Vet Med Small Anim Clin** 70(9):1059–61, Sep 75

[Transsymphyseal of transpublic approach in the treatment of old traumatic lesions of the posterior urethra] Küss R, et al. **Chirurgie** 100(10):693–8, 30 Oct–6 Nov 74 (Eng. Abstr.) **(Fre)**

[Action to be taken in traumatic rupture of the urethra in boys (4 cases) (author's transl)] Aubert J, et al. **J Urol Nephrol (Paris)** 81(10–11):805–14, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[A case of urethroplasty with a silicone patch] Collard G. **Rev Med Liege** 30(17):567–8, 1 Sep 75 **(Fre)**

[A special method of urethral implantation in large defects of the bladder wall and in the torn urethra] Antonopoulos D. **Arch Gynaekol** 219(1–4):252–4, 18 Nov 75 **(Ger)**

[Diagnosis and therapy of bladder and urethral injuries in pelvic fractures] Hubmer G, et al. **Hefte Unfallheilkd** (124):301–2, 1975 **(Ger)**

[Urgent therapy of urethral injuries in pelvic fractures] Marberger M. **Hefte Unfallheilkd** (124):302–4, 1975 **(Ger)**

[The simultaneous management of rupture of the urethra and the symphysis (author's transl)] Weissbach L, et al. **Urologe [A]** 15(3):118–21, May 76 (Eng. Abstr.) **(Ger)**

[Vesico–ureteral reflux after supradiaphragmatic rupture of the male urethra] Köllermann MW, et al. **Z Urol Nephrol** 68(8):601–4, Aug 75 **(Ger)**

[Traumatic urethral lesions in the child] Reuter G, et al. **Z Urol Nephrol** 68(8):593–600, Aug 75 **(Ger)**

[Reconstructive surgical treatment of urethral injuries] Schmiedt E. **Z Urol Nephrol** 67(9):673–80, Sep 74 **(Ger)**

[Advances in classification, diagnosis and therapy of membranaceous urethral rupture] Sigel A, et al. **Z Urol Nephrol** 67(9):681–92, Sep 74 **(Ger)**

[Hemodialysis in acute renal failure caused by traumatic urethral stricture] Uherek–Abucewicz M, et al. **Pol Przegl Chir** 48(2 A):317–9, Feb 76 (Eng. Abstr.) **(Pol)**

[Preliminary considerations of transpubic urethroplasty] Netto NR Jr, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):422–5, Sep–Oct 75 (Eng. Abstr.) **(Por)**

[Closed injuries of the urethra] Vakhnil DI, et al. **Klin Khir** (9):35–6, 1975 **(Rus)**

[Rupture of the membraneous portion of the urethra in fractures of the anterior arch of the pelvic ring] Kovanov VV, et al. **Urol Nefrol (Mosk)** (6):43–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

INNERVATION

Sympathetic activity in the proximal urethra in patients with urinary obstruction. Awad SA, et al. **J Urol** 115(5):545–7, May 76

Detrusor and urethral electromyelography. Bradley WE, et al. **J Urol** 114(6):891–4, Dec 75

Neurology of micturition. Bradley WE, et al. **J Urol** 115(5):481–6, May 76 (33 ref.)

Abnormalities of bladder innervation in diabetes mellitus. Andersen JT, et al. **Urology** 7(4):442–8, Apr 76

Adrenergic innervation and stimulation of canine urethra. Benson GS, et al. **Urology** 7(3):337–40, Mar 76

[Innervation of the posterior urethra and bladder neck] Vernet G. **J Urol Nephrol (Paris)** 80(12 pt 2):183–9, Dec 74 **(Fre)**

[Dynamic and pharmacologic urethral pressure profile study: significance of alpha–adrenergic role in the urethra (author's transl)] Koyanagi T. **Jpn J Urol** 66(10):632–55, Oct 75 (Eng. Abstr.) **(Jpn)**

METABOLISM

Non–absorption of nitrofurazone from the urethra in men. Marion–Landais G, et al. **Curr Ther Res** 19(5):550–3, May 76

MICROBIOLOGY

The periurethral aerobic bacterial flora in healthy boys and girls. Bollgren I, et al. **Acta Paediatr Scand** 65(1):74–80, Jan 76

The periurethral aerobic flora in girls highly susceptible to urinary infections. Bollgren I, et al.
Acta Paediatr Scand 65(1):81–7, Jan 76

Isolation of Chlamydia from women attending a clinic for sexually transmitted disease. Burns DC, et al.
Br J Vener Dis 51(5):314–8, Oct 75

Mixed microbial aetiology in sexually transmitted diseases. pp. 89–94. Wallin J, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Group B streptococci in human urethral and cervical specimens. Christensen KV, et al. **Scand J Infect Dis** 8(2):75–8, 1976

[Mycoplasma in the urethra of healthy men. Microbiological, hygienic and clinical aspects] Blenk H, et al.
Munch Med Wochenschr 117(24):1029–30, 13 Jun 75 **(Ger)**

PHYSIOLOGY

Simultaneous urethrocystometry and urethra pressure profile measurement with a new technique. Asmussen M, et al. **Acta Obstet Gynecol Scand** 54(4):385–6, 1975

A new technique for measurements of the urethra pressure profile. Asmussen M, et al. **Acta Obstet Gynecol Scand** 55(2):167–73, 1976

Inhbitory effect at the bladder–urethral junction. Persson CGA. **Acta Physiol Scand** 97(1):139–41, Mar 76

In–vivo determination of error in the measurement of urethral pressure by the method of Brown and Wickham. Brown M. **Br J Urol** 47(4):445–8, Aug 75

The influence of vesical distension on urethral resistance to flow: the collecting phase. Ghoneim MA, et al.
Br J Urol 47(6):657–62, Dec 75

The influence of vesical distension on urethral resistance to flow: the expulsion phase. Ghoneim MA, et al.
Br J Urol 47(6):663–70, Dec 75

The effect of adrenergic drugs and hypogastric nerve stimulation on the canine urethra. A radiologic and urethral pressure study. Awad SA, et al. **Invest Urol** 13(4):298–301, Jan 76

Some contractile and electrophysiologic properties of the periurethral striated muscle of the cat. Bowen JM, et al. **Invest Urol** 13(5):327–30, Mar 76

Studies on vesicourethral reflexes. II. Urethral sphincteric responses to spinal cord stimulation. Jonas U, et al.
Invest Urol 13(4):278–85, Jan 76

Voiding pressure as it relates to outlet and/or sphincteric resistance. Jonas U, et al. **Invest Urol** 13(5):372–4, Mar 76

Urodynamics. Gleason DM, et al. **J Urol** 115(4):356–61, Apr 76 (33 ref.)

Current status of the urethral pressure profile as a urodynamic test. Boyarsky S, et al. **Mayo Clin Proc** 51(6):357–62, Jun 76

On the peripheral bladder control system of the dog and urodynamics: in vivo characterisation and hybrid computer simulation. Drolet R, et al. **Med Biol Eng** 13(1):40–55, Jan 75

A new instrument for computing the urethral resistance in urodynamic studies. Smith DB, et al. **Med Biol Eng** 13(3):472–4, May 75

Intraurethral pressure recording. A comparison betwen tip–transducer catheters and open–end catheters with constant flow. Asmussen M. **Scand J Urol Nephrol** 10(1):1–6, 1976

Simultaneous urethro–cystometry with a new technique. Asmussen M, et al. **Scand J Urol Nephrol** 10(1):7–11, 1976

Action of beta–adrenergic blocking agents on the urethral pressure profile. Donker PJ, et al. **Urol Int** 31(1–2):6–12, 1976

Role of alpha–adrenergic receptor mechanism in closure of the internal urethral orifice during ejaculation. Kimura Y, et al. **Urol Int** 30(5):341–9, 1975

Bladder neck and urethra in a physical model. Schäfer W, et al. **Urol Int** 31(1–2):20–2, 1976

Electromyographic and gas urethral pressure profile. Andersen JT, et al. **Urology** 7(5):561–5, May 76

Dual pressure transducer catheter for evaluating vesicourethral function: experiences in patients with neurogenic bladder. Yalla SV, et al. **Urology** 8(2):160–3, Aug 76

[Lower urinary tract function] Gammelgaard PA, et al.
Ugeskr Laeger 137(50):2947–52, 8 Dec 75 (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

Morphology and function of the bladder and urethra in female urinary incontinence. Olesen KP, et al.
Int Urol Nephrol 7(4):303–13, 1975

Computer analysis of electromyographic signals from the human bladder and urethral and anal sphincters. Doyle PT, et al. **Invest Urol** 13(3):205–10, Nov 75

Combined electromyographic and gas urethral pressure profilometry. Bradley WE, et al. **J Urol** 115(4):433–4, Apr 76

Functional and tonometrical investigation of bladder and urethra in patients with stress incontinence. Radej M, et al. **J Urol** 115(5):551–4, May 76

Pathophysiology of the urethral compression operation: the use of silicone gel prostheses. Raz S, et al. **J Urol** 115(4):435–8, Apr 76

Carbon dioxide urethral pressure profile. Raz S, et al.
J Urol 115(4):439–42, Apr 76

Dyssynergic vesicourethral responses during bladder rehabilitation in spinal cord injury patients: effects of suprapubic percussion, credé method and bethanechol chloride. Yalla SV, et al. **J Urol** 115(5):575–9, May 76

The urethral pressure profile in female patients with meatal stenosis. Hojsgaard A. **Scand J Urol Nephrol** 10(2):97–9, 1976

Model of the proximal urethra: measurement of the urethral stress profile. Plevnik S. **Urol Int** 31(1–2):23–32, 1976

Bladder and urethral recordings in acute and chronic spinal cord injury patients. Rossier AB, et al. **Urol Int** 31(1–2):49–59, 1976

Abnormalities of bladder innervation in diabetes mellitus. Andersen JT, et al. **Urology** 7(4):442–8, Apr 76

Synchronous cystosphincterometry in patients with spinal cord injury. Studies with continuous bladder and urethral infusions and physical factors influencing interpretation. Yalla SV, et al. **Urology** 6(6):777–88, Dec 75

[Urodynamic principles of vesicourethral function and their measurement in gynecologic urology] Kopečný J.
Cesk Gynekol 41(4):294–6, Jun 76 **(Cze)**

[Electric exploration of the urethral and anal striate sphincters] Chantraine A. **J Urol Nephrol (Paris)** 80(12 pt 2):207–13, Dec 74 **(Fre)**

[Urinary incontinence examination with position cystography and urethrometry] Baumann JM. **Helv Chir Acta** 42(3):379–85, Jun 75 **(Ger)**

[Clinical characteristics and bioelectrical activity of the muscles of the urogenital apparatus in patients with enuresis] Kolesnikov GF, et al. **Pediatriia** (12):29–30, Dec 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiologic seminar CLXI: intravenous voiding cystourethrography. Keel DT. **J Miss State Med Assoc** 17(7):187–8, Jul 76

Voiding cystourethrography with patient in the standing position. Raghavaiah NV. **J Urol** 115(4):447–8, Apr 76

Radiologic detection and prostatic carcinoma by double contrast retrograde urethrocystography. Wong W, et al. **J Urol** 114(5):746–51, Nov 75

Radiography. 2. Retrograde pyelography, cystography and urethrography. Greenwood DP. **Nurs Times** 72(28):1096–7, 15 Jul 76

Cystourethrography procedures in children. Evaluation of benefits versus dose. Saenger EL, et al. **Radiology** 118(1):123–8, Jan 76

Urethrocystography during and after transurethral prostatic resection. Nilsson J, et al. **Scand J Urol Nephrol** 9(3):216–20, 1975

[Determination of the size of the prostate by injection urethrocystography] Jakobsen BE, et al. **Ugeskr Laeger** 138(25):1515–8, 14 Jun 76 (Eng. Abstr.) **(Dan)**

[Normal micturition urethrography in women] Germeau F.
Acta Urol Belg 42(4):434–51, Oct 74 (Eng. Abstr.) **(Fre)**

[Simple instrumentation for urethrography] Mariage JC, et al. **J Radiol Electrol Med Nucl** 56(12):854, Dec 75 **(Fre)**

[Diagnostic evaluation of urethrocystography] Hilfrich HJ, et al. **Arch Gynaekol** 219(1–4):223–4, 18 Nov 75 **(Ger)**

[Infusion urethrography in males] Bartels H, et al.
Helv Chir Acta 42(3):343–5, Jun 75 **(Ger)**

[Demonstration of position variations of the female ureter in the work urethrocystocolporectogram] Kümper HJ, et al. **Zentralbl Gynaekol** 97(20):1217–1223, 1975 (Eng. Abstr.) **(Ger)**

[X-ray anatomy and physiology of the urinary bladder and the urethra in children according to large–frame fluorography data urethra] Gingol'd AI, et al.
Vestn Rentgenol Radiol (1):67–73, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

SURGERY

Vesico–ureteral reflux following transurethral slitting of the ureteral orifice. Nummi P, et al.
Ann Chir Gynaecol Fenn 64(4):220–3, 1975

The effect of internal urethrotomy and urethral dilatation on the postoperative course of patients undergoing surgery for stress incontinence. Moolgaoker AS, et al.
Br J Obstet Gynaecol 83(6):484–8, Jun 76

Suprapubic prostatectomy combined with vesico–urethroplasty. Magri J. **Br J Urol** 47(6):671–8, Dec 75

Proceedings: A simple artificial sphincter. Rosen M.
Br J Urol 48(2):154, Apr 76

Urethral sphincterotomy for delivery of vesical calculus in the mare: a case report. Firth EC. **Equine Vet J** 8(3):99–100, Jul 76

Patch graft urethroplasty for urethral stricture disease. Berger B, et al. **J Urol** 115(6):681–4, Jun 76

Free full thickness skin graft urethroplasty for urethral stricture: experience with 66 patients. Brannan W, et al. **J Urol** 115(6):677–80, Jun 76

External sphincterotomy: its effect on erections. Crane DB, et al. **J Urol** 116(3):316–8, Sep 76

Patch graft urethroplasty: a review with emphasis on use for strictures in the region of the membranous urethra. Kibbey RG 3d. **J Urol** 115(2):155–8, Feb 76

Excision of the urogenital diaphragm: a method of repair of the completely obstructed membranous urethra. Kishev SV. **J Urol** 115(5):548–50, May 76

Pathophysiology of the urethral compression operation: the use of silicone gel prostheses. Raz S, et al. **J Urol** 115(4):435–8, Apr 76

Urethral meatal carcinoma following cystourethrectomy for bladder carcinoma. Schellhammer PF, et al. **J Urol** 115(1):61–4, Jan 76

Perineal urethrostomy in male cats. Kagan KG, et al.
Mod Vet Pract 57(3):187–91, Mar 76

Treatment of urinary stress incontinence. Use of dermal graft in the sling procedure. Pelosi MA, et al.
Obstet Gynecol 47(3):377–9, Mar 76

Impairment of erection after external sphincter resection. Dollfus P, et al. **Paraplegia** 13(4):290–3, Feb 76

A further look at the rationale of 'external sphincterotomy'. Gibbon NO. **Paraplegia** 13(4):243–6, Feb 76

Late results of bilateral endoscopic sphincterotomy in patients with upper motor neurone lesions. Hachen HJ, et al. **Paraplegia** 13(4):268–74, Feb 76

Differential diagnosis and limitations of external sphincterotomy. Leriche A, et al. **Paraplegia** 13(4):280–5, Feb 76

Pathology of the striated urethral sphincter in spinal cord injury patients: indications and results of external sphincterotomy (100 cases). Leriche A, et al. **Paraplegia** 13(4):275–9, Feb 76

The twelve o'clock sphincterotomy: technique, indications, results. Madersbacher H. **Paraplegia** 13(4):261–7, Feb 76

Modified approach to sphincterotomy in spinal cord injury patients. Indications, technique and results in 32 patients. Perkash I. **Paraplegia** 13(4):247–60, Feb 76

The effect of trans–urethral surgery on penile erections in spinal cord injury patients. Thomas DG. **Paraplegia** 13(4):286–9, Feb 76

Anterior urethropexy according to Lapides in stress urinary incontinence. A follow–up study. Sundin T, et al.
Scand J Urol Nephrol 9(1):28–31, 1975

Abdominal urethropexy: Vesicourethrolysis vs Marshall–Marchetti–Krantz procedure. Callaghan PE.
South Med J 68(10):1231–3, Oct 75

Another look at Pereyra's stint urethropexy. Duggan ML.
South Med J 68(11):1381–4, Nov 75

Scrotal flap urethroplasty in the treatment of carcinoma of the penis. Jameson RM. **Trop Doct** 6(2):68–9, Apr 76

Transurethral resection of prostate via perineal urethrostomy. Prospective study. Bissada NK, et al. **Urology** 7(1):70–2, Jan 76

Urethral hyperthermia: an alternative to urethrectomy. Cooper TP, et al. **Urology** 6(3):308–11, Sep 75

Successful management of female stress urinary incontinence. Quattlebaum RB Jr. **Urology** 7(5):501–3, May 76

Turner–Warwick urethroplasty and urethral stricture. Results in 60 patients. Reid RE. **Urology** 6(6):711–5, Dec 75

Anterior bladder tube in radical retropubic prostatectomy. Schoenberg HW, et al. **Urology** 7(5):495–6, May 76

Symposium on surgical techniques in small animal practice. Surgery of the canine urethra. Brown SG.
Vet Clin North Am 5(3):457–70, Aug 75

[Surgical correction of hypospadias using the preputial skin for urethroplasty] Gotovac J, et al. **Lijec Vjesn** 97(12):693–5, Dec 75 (Eng. Abstr.) **(Cro)**

[Repeated method operations in recurrent urinary incontinence (author's transl)] Balák K. **Cesk Gynekol** 41(3):209–10, May 76 (Eng. Abstr.) **(Cze)**

[Results of internal urethrotomy with endoscopic control] Michaelis WE, et al. **Helv Chir Acta** 42(3):331–5, Jun 75 **(Fre)**

[Marshall–Marchetti–Krantz operation in urinary incontinence in women] Darmaillacq R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):295–6, 1972 **(Fre)**

[Surgery of the penile urethra] Bandhauer K.
Helv Chir Acta 42(3):321–30, Jun 75 **(Ger)**

[Surgery of hypospadias (author's transl)] Buschmann A.
Langenbecks Arch Chir 339:417–20, Nov 75 (Eng. Abstr.) **(Ger)**

[A new procedure for the partial reconstruction of the male urethra] Alexandru T, et al. **Z Urol Nephrol** 67(9):693–6, Sep 74 **(Ger)**

[Late changes in urethras after perineal diversion in childhood] Hörmann D, et al. **Z Urol Nephrol** 68(8):585–92, Aug 75 **(Ger)**

[Treatment of stress urinary incontinence by urethral suspension from the common tendon] Bravo Sandoval J.
Ginecol Obstet Mex 40(237):65–9, Jul 76 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

The ultrastructure of human male urethral stricture. Singh M, et al. **Br J Urol** 47(7):871–6, 1975

Studies on the cell biology of gonorrhoea. pp. 229–42. Ward ME, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

URETHRAL DISEASES

External sphincter spasticity syndrome in female patients. Raz S, et al. **J Urol** 115(4):443–6, Apr 76

[Urethrovaginal fistulas with urinary incontinence] Held E.

Gynaekol Rundsch 15 suppl 1:96–8, 1975 (Ger)
[The diagnosis and therapy of urethro–vaginal fistulas] Richter K, et al. Gynaekol Rundsch 15(4):292–300, 1975 (Ger)
[Angiomatous urethral caruncle] Hălălău F, et al. Rev Chir [Chir] 24(1):57–60, Jan–Feb 75 (Rum)
[Urinary calculi in children] Zakrillaev Z. Pediatriia (11):67–8, Nov 75 (Rus)

COMPLICATIONS

Giant urethral calculus: a case report. Hassan RM. J Urol 115(6):756–7, Jun 76
Case of anterior urethral diverticulum in male quadriplegic. Wickman MB, et al. J Urol 116(1):118–9, Jul 76
[Ulcerative balanitis in the course of trichomoniasis] Biernat A, et al. Pol Tyg Lek 31(20):857–8, 17 May 76 (Eng. Abstr.) (Pol)

CONGENITAL

Congenital urethral fistula. Case reports. Olbourne NA. Plast Reconstr Surg 57(2):237–9, Feb 76
Paraurethral cysts in female neonate. Blaivas JG, et al. Urology 7(5):504–7, May 76

DIAGNOSIS

Letter: Asymptomatic urethral gonorrhoea in men. Wigfield AS. Br Med J 3(5984):652, 13 Sep 75
Combined electromyographic and gas urethral pressure profilometry. Bradley WE, et al. J Urol 115(4):433–4, Apr 76
Amyloidosis of the lower genitourinary tract. Carris CK, et al. J Urol 115(4):423–6, Apr 76
Carbon dioxide urethral pressure profile. Raz S, et al. J Urol 115(4):439–42, Apr 76
The functional aspect of the urethral syndrome. Summers JL. Ohio State Med J 72(8):497–9, AUG 76
Benign melanosis and malignant melanoma of penis and male urethra. Konigsberg HA, et al. Urology 7(3):323–6, Mar 76

DRUG THERAPY

5–Fluoro–uracil cream in the successful treatment of therapeutically refractory condylomata acuminata of the urinary meatus. von Krough G. Acta Derm Venereol (Stockh) 56(4):297–301, 1976

ETIOLOGY

Urethral Diverticulum in the Female. Etiologic Factors and Postoperative Results. Peters W 3d, et al. Obstet Gynecol 47(5):549–52, May 76
Pseudodiverticulum of prostatic urethra after retropubic prostatectomy. England EJ, et al. Urology 6(3):348–50, Sep 75

FAMILIAL & GENETIC

Posterior urethral valves in siblings. Farkas A, et al. Br J Urol 48(1):76, Feb 76

PHYSIOPATHOLOGY

Electromyographic and gas urethral pressure profile. Andersen JT, et al. Urology 7(5):561–5, May 76
[The neutropathic urethra: urethrogram and pathophysiologic aspects (author's transl)] Madersbacher H. Urologe [A] 15(1):1–12, Jan 76 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Diverticulum of the female urethra. The value of the post–void bladder film during excretory urography. Stern AJ, et al. Radiology 121(1):222, Oct 76
[Methods for the evaluation of the morphology and function of the lower urinary tract] Palmtag H. Roentgenpraxis 29(3):53–65 contd, Mar 76 (Ger)

SURGERY

Repair of urethral diverticulum or vesicovaginal fistula by vaginal flap technic. Judd GE, et al. Obstet Gynecol 47(5):627–9, May 76
Suburethral diverticula treated by marsupialization. Lichtman AS, et al. Obstet Gynecol 47(2):203–6, Feb 76
Prolapse of the urethra in young Zulu girls. Parkes JR. S Afr Med J 49(48):2011–2, 12 Nov 75
Carcinoma in situ in urethral diverticulum: pitfalls of marsupialization alone. McLoughlin MG. Urology 6(3):343, Sep 75
[One–stage closure of an urethral fistula using a scrotal flap] Carre JL. Ann Chir Plast 19(4):369–72, 1974 (Eng. Abstr.) (Fre)
[Results of internal urethrotomy with endoscopic control] Michaelis WE, et al. Helv Chir Acta 42(3):331–5, Jun 75 (Fre)
[New technic for the surgery of urethral diverticulum in the female] Kölln CP, et al. Arch Gynaekol 219(1–4):250–1, 18 Nov 75 (Ger)
[The importance of an additional retropubic urethroply by the pereyra or the Marshall–Marchetti–Krantz method in the primary operative treatment of stress incontinence involving rotational descent of the urethra (author's transl)] Gaudenz R. Geburtshilfe Frauenheilkd 36(5):393–401, May 76 (Eng. Abstr.) (Ger)
[A new procedure for the partial reconstruction of the male urethra] Alexandru T, et al. Z Urol Nephrol 67(9):693–6, Sep 74 (Ger)
[Rotation plasty in the surgical treatment of acquired penile urethral fistulas and abnormalities] Wandschneider G. Z Urol Nephrol 68(10):727–33, Oct 75 (Ger)
[Endoscopic treatment of the posterior urethral valves] de Campos–Freire G, et al. Rev Hosp Clin Fac Med Sao Paulo 30(5):126–9, Sep–Oct 75 (Eng. Abstr.) (Por)
[Surgical treatment of urethro–rectal fistulas in children] Dzhavad–zade MD, et al. Vestn Khir 116(3):102–5, Mar 76 (Rus)

VETERINARY

Letter: Prolapse of the penile urethra in a dog. Copland MD. NZ Vet J 23(8):180–1, Aug 75
Surgical repair of a fistula of the urethral diverticulum in a horse. Munger RJ, et al. Vet Med Small Anim Clin 71(1):96, Jan 76
Surgical repair of a fistula of the urethral diverticulum in a horse. Munger RJ, et al. Vet Med Small Anim Clin 71(3):312–5, Mar 76

URETHRAL NEOPLASMS

Leiomyoma of the female urethra. Report of two cases. Smith DB, et al. J Arkansas Med Soc 72(5):203–4, Oct 75
Urethral condyloma accuminata in male children. Mininberg DT, et al. Pediatrics 57(4):571–3, Apr 76
Upper urinary tract urothelial tumors. Batata M, et al. Urol Clin North Am 3(1):79–86, Feb 76
Primary carcinoma of fossa navicularis. Meares EM Jr. Urology 7(1):93–6, Jan 76
Pedunculated polyp of posterior urethra. Nellans RE, et al. Urology 6(4):474–5, Oct 75
[Sarcoma of the urethra in a woman] Kushelev AE. Urol Nefrol (Mosk) (3):65–6, May–Jun 75 (Rus)

COMPLICATIONS

Recurrent intraurethral proliferation of ectopic prostatic tissue associated with hematuria. Mori K, et al. J Urol 114(2):316–8, Aug 75
Urethral carcinoma after radiation therapy for mixed prostatic carcinoma. Novicki DE, et al. J Urol 116(1):122–3, Jul 76
Leiomyoma of vesicovaginal septum causing urinary retention. Brown RC, et al. Urology 6(3):379–81, Sep 75
[A case of primary carcinoma of the male urethra] Musierowicz A, et al. Pol Przegl Chir 48(2 A):285–7, Feb 76 (Eng. Abstr.) (Pol)

CONGENITAL

Congenital polyp of the prostatic urethra in a child. Braun EW. J Urol 114(2):311–2, Aug 75

DIAGNOSIS

Primary carcinoma of the female urethra. Bracken RB, et al. J Urol 116(2):188–92, Aug 76

PATHOLOGY

Primary adenocarcinoma of the female urethra. Tiltman AJ. J Pathol 117(2):97–9, Oct 75
Transitional cell carcinoma of the urethra in men having cystectomy for bladder cancer. Schellhammer PF, et al. J Urol 115(1):56–60, Jan 76
Leiomyoma of the female urethra: a case report. Wani NA, et al. J Urol 116(1):120–1, Jul 76
Urethral metastasis from a presumed primary malignant melanoma presenting as postmenopausal bleeding. Clarke JF. Proc R Soc Med 68(4):227–8, Apr 75
[Inverted urothelial papilloma (author's transl)] Dirschmid K, et al. Urologe [A] 15(4):180–1, Jul 76 (Eng. Abstr.) (Ger)

SURGERY

Urethral meatal carcinoma following cystourethrectomy for bladder carcinoma. Schellhammer PF, et al. J Urol 115(1):61–4, Jan 76
Urethral hyperthermia: an alternative to urethrectomy. Cooper TP, et al. Urology 6(3):308–11, Sep 75
Carcinoma in situ in urethral diverticulum: pitfalls of marsupialization alone. McLoughlin MG. Urology 6(3):343, Sep 75
[Primary carcinoma of male urethra] Sosnowski M, et al. Pol Przegl Chir 48(2 A):291–5, Feb 76 (Pol)
[Malignant melanoma of the orifice of female urethra] Strzyżowski J. Pol Przegl Chir 48(2 A):289–90, Feb 76 (Eng. Abstr.) (Pol)

VETERINARY

Transitional cell carcinoma of the urethra in a cat. Barrett RE, et al. Cornell Vet 66(1):14–26, Jan 76

URETHRAL STRICTURE

COMPLICATIONS

[Hemodialysis in acute renal failure caused by traumatic urethral stricture] Uherek–Abucewicz M, et al. Pol Przegl Chir 48(2 A):317–9, Feb 76 (Eng. Abstr.) (Pol)
[Obstruction of the vesico–urethral segment in children] Baĭrov GA, et al. Vestn Khir 116(2):113–8, Feb 76 (Eng. Abstr.) (Rus)

CONGENITAL

Congenital proximal bulbar stricture in adults. Rao KG. Urology 6(5):576–9, Nov 75

DIAGNOSIS

Role of uroflowmetry in the assessment of lower urinary tract obstruction in adult males. Shoukry I, et al. Br J Urol 47(5):559–66, Oct 75
Sympathetic activity in the proximal urethra in patients with urinary obstruction. Awad SA, et al. J Urol 115(5):545–7, May 76
Urodynamics in the diagnosis of outflow tract obstruction. Buck AC, et al. Proc R Soc Med 68(3):170–4, Mar 75

DRUG THERAPY

Use of dantrolene sodium in external sphincter spasm. Murdock MM, et al. Urology 8(2):133–7, Aug 76

ETIOLOGY

Trauma to the urethra. Mitchell JP. Injury 7(2):84–8, Nov 75
Bladder neck contracture and urethral stricture as complications of renal transplantation. Loening SA, et al. J Urol 114(5):688–91, Nov 75
Transurethral resection of prostate via perineal urethrostomy. Prospective study. Bissada NK, et al. Urology 7(1):70–2, Jan 76
[On the size of the male urethra. Consequences of transurethral prostatic resection (author's transl)] Frohmüller H, et al. Urologe [A] 15(4):182–4, Jul 76 (Eng. Abstr.) (Ger)
[A case of primary carcinoma of the male urethra] Musierowicz A, et al. Pol Przegl Chir 48(2 A):285–7, Feb 76 (Eng. Abstr.) (Pol)

PATHOLOGY

The ultrastructure of human male urethral stricture. Singh M, et al. Br J Urol 47(7):871–6, 1975
The pathology of urethral stricture. Singh M, et al. J Urol 115(6):673–6, Jun 76 (7 ref.)

PHYSIOPATHOLOGY

The urethral pressure profile in female patients with meatal stenosis. Hojsgaard A. Scand J Urol Nephrol 10(2):97–9, 1976
[Mechanical and functional obstructions in the posterior urethra in the male] Andersen JT, et al. Ugeskr Laeger 137(50):2964–8, 8 Dec 75 (Eng. Abstr.) (Dan)
[Urodynamic measurements in enuretics] Haubensak K, et al. Urol Int 31(1–2):87–92, 1976 (Eng. Abstr.) (Ger)

RADIOGRAPHY

The 'spinnaker sail' appearance of the posterior urethral valve in infants. Cremin BJ. J Can Assoc Radiol 26(3):188–91, Sep 75
Simultaneous retrograde and antegrade urethrography in urethral strictures. Bissada NK, et al. Urology 6(4):493, Oct 75

SURGERY

Proceedings: A one–stage repair of urethral stricture. Harbison P. Br J Urol 48(2):146, Apr 76
Badenoch's pull–through operation for urethral stricture. Tilak GH, et al. Br J Urol 48(1):83–8, Feb 76
Patch graft urethroplasty for urethral stricture disease. Berger B, et al. J Urol 115(6):681–4, Jun 76
Free full thickness skin graft urethroplasty for urethral stricture: experience with 66 patients. Brannan W, et al. J Urol 115(6):677–80, Jun 76
Meatal reconstruction. Brannen GE. J Urol 116(3):319–21, Sep 76
Urinary continence after repair of membranous urethral stricture in prostatectomized patients. Colapinto V, et al. J Urol 115(4):392–6, Apr 76
A new technique to aid catheterization of a traumatized urethral stricture. Heney NM. J Urol 114(5):725–9, Nov 75
Patch graft urethroplasty: a review with emphasis on use for strictures in the region of the membranous urethra. Kibbey RG 3d. J Urol 115(2):155–8, Feb 76
The surgical repair of membranous urethral strictures in children. Waterhouse K. J Urol 116(3):363–5, Sep 76
Letter: Urethral stricture. Thompson BE. Trop Doct 6(2):96, Apr 76
Excision of urethral stricuture and end to end anastomosis. Azoury BS, et al. Urology 8(2):138–40, Aug 76
Two–stage urethroplasty. Improved method for treating bulbomembranous strictures. Fernandes M, et al. Urology 6(5):568–75, Nov 75
Turner–Warwick urethroplasty and urethral stricture. Results in 60 patients. Reid RE. Urology 6(6):711–5, Dec 75
[Transsymphyseal of transpublic approach in the treatment of old traumatic lesions of the posterior urethra] Küss R, et al. Chirurgie 100(10):693–8, 30 Oct–6 Nov 74 (Eng. Abstr.) (Fre)

[A case of urethroplasty with a silicone patch] Collard G. **Rev Med Liege** 30(17):567–8, 1 Sep 75 **(Fre)**

[Surgical technic in perineal urethral stricture] Baumann JM. **Helv Chir Acta** 42(3):337–41, Jun 75 **(Ger)**

[Internal urethrotomy of urethral strictures in men under endoscopic control] Matouschek E, et al. **Urol Int** 30(4):266–72, 1975 (Eng. Abstr.) **(Ger)**

[Treatment of urethral stricture in the male by means of Otis-urethrotom. Report on 65 cases] Pust R, et al. **Z Urol Nephrol** 68(10):735–43, Oct 75 **(Ger)**

[Preliminary considerations of transpubic urethroplasty] Netto NR Jr, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):422–5, Sep–Oct 75 (Eng. Abstr.) **(Por)**

THERAPY

[Removal of an obstacle. Medicosurgical conduct] pp. 183–97. Chapman A, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975. (Fre)

[Indications for conservative treatment of children with vesico-ureteral reflux and infravesical obstruction] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** (5):36–9, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Perineal urethrostomy in male cats. Kagan KG, et al. **Mod Vet Pract** 57(3):187–91, Mar 76

URETHRITIS

Genital chlamydial infections. Richmond SJ, et al. **Am J Epidemiol** 103(5):428–35, May 76 (55 ref.)

Chlamydial infection of the male baboon urethra. Digiacomo RF, et al. **Br J Vener Dis** 51(5):310–3, Oct 75

Asymptomatic urethral gonorrhoea in men. Perera PM, et al. **Br Med J** 3(5980):415–6, 16 Aug 75

Point of view: the urethritis syndrome. Riba W. **Urology** 8(1):97, Jul 76

Infectious urethritis in men and women. Diagnosis and treatment. Meares EM Jr. **West J Med** 123(6):436–40, Dec 75

[Urethro-oculo-synovial syndrome in men] Torsuev NA, et al. **Vestn Dermatol Venerol** (9):31–6, Sep 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Severe guillain-barré syndrome following urethritis with cardiovascular and ophthalmic involvement. Marshall AJ, et al. **Postgrad Med J** 51(599):643–5, Sep 75

DIAGNOSIS

Letter: Diagnosis of urethritis: gonococcal and nongonococcal. Gullen WH. **Ann Intern Med** 83(4):583, Oct 75

Diagnostic aspects of gonococcal and non-gonococcal urethritis. Results of treatment with trimethoprim--sulphamethoxazole. pp. 299–305. Danielsson D, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Letter: Non-specific urethritis Jorgensen D. **Med J Aust** 1(1–2):37, 3–10Jan 76

[Aseptic urethritis in the post-pericardiotomy syndrome] Cokkinos DV, et al. **Minerva Cardioangiol** 23(11):774–8, Nov 75 (Eng. Abstr.) **(Ita)**

[Cytological examination in the routine diagnosis of urethritis with inclusions] Elias A, et al. **Rev Ig [Bacteriol]** 20(2):119–21, Apr–Jun 75 **(Rum)**

DRUG THERAPY

Venereal urethritis. Neumann HH. **Am Fam Physician** 12(3):145–8, Sep 75

Intensive and prolonged tetracycline therapy in non-specific urethritis. Helmy N, et al. **Br J Vener Dis** 51(5):336–9, Oct 75

Evaluation of a sustained-release oral tetracycline in non-specific urethritis. Perera PM. **Br J Vener Dis** 51(5):333–5, Oct 75

Minocycline in gonorrhoeic and non-gonorrhoeic urethritis. Bjornberg A, et al. **Curr Ther Res** 19(2):216–9, Feb 76

Therapeutic effectiveness of minocycline in nonspecific urethritis and other genitourinary infections. Rauf N. **Curr Ther Res** 19(2):212–5, Feb 76

Differences in the therapeutic response of chlamydia-positive and chlamydia-negative forms of nongonococcal urethritis. Handsfield HH, et al. **J Am Vener Dis Assoc** 2(3):5–9, Mar 76

Minocycline in the treatment of nongonococcal urethritis: its effect on Chlamydia trachomatis. Oriel JD, et al. **J Am Vener Dis Assoc** 2(1):17–22, Sep 75

Treatment of gonorrhoea and non-gonococcal ureth.itis with spiramycin. Williams JG. **J R Nav Med Serv** 61(1):44–7, Spring 75

Two gram single dose amoxycillin in treatment of gonococcal and other urethritides. Nwokolo U. **Med J Zambia** 9(4):102–4, Aug–Sep 75

Single dose oral antibiotics in the treatment and evaluation of venereally acquired acute urethritis in males. Clayton AJ, et al. **Milit Med** 140(10):694–8, Oct 75

[The value of spectinomycin in the treatment of chronic urethritis] Mensah A, et al. **Bull Soc Med Afr Noire Lang Fr** 20(1):90–4, 1975 (Eng. Abstr.) **(Fre)**

[Tetracyclines for the treatment of mycoplamic prostato-urethritis] Hofstetter A, et al. **Munch Med Wochenschr** 118(2):49–50, 9 Jan 76 **(Ger)**

[Therapeutic experiences with trimethoprim-sulfamethoxazole in the post-gonorrhoic urethritis] Lee S. **Z Allgemeinmed** 51(27):1207–8, 30 Sep 75 **(Ger)**

[Rifampicin in the therapy of gonorrheal urethritis in men] Levochkin AM, et al. **Antibiotiki** 21(3):270–2, Mar 76 (Eng. Abstr.) **(Rus)**

[Treatment of gonorrheal urethritis in men using kanamycin and vibramycin] Niunikova OI, et al. **Antibiotiki** 20(4):373–7, Apr 75 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Quantitative relationship of Ureaplasma urealyticum to the clinical course of nongonococcal urethritis in the human male. pp. 375–9. Shepard MC.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

Urethritis associated with chlamydia: clinical and laboratory diagnosis. Weed LA, et al. **Minn Med** 59(4):228–9, Apr 76

Letter: Nongonorrheal urethritis. Groton WM. **N Engl J Med** 293(15):779–80, 9 Oct 75

Letter: Nongonococcal urethritis. Rees E, et al. **N Engl J Med** 293(24):1264, 11 Dec 75

[Urethritis gonorrhoica and other non-gonorrheal types of urethritis] Endepols TM. **Z Allgemeinmed** 51(10):465–70, 10 Apr 75 **(Ger)**

[Postgonorrheal urethritis in males. I. Determination of causal factors and an evaluation of therapeutic results] Mroczkowski TF. **Przegl Dermatol** 63(2):173–9, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Chlamydial infection of the male urethra. Oriel JD, et al. **Br J Vener Dis** 52(1):46–51, Feb 76

Gonococcal L-phase organisms in acute urethritis. pp. 85–8. Gnarpe H.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Unusual colonies of Ureaplasma urealyticum (T mycoplasmas) in primary agar cultures of certain urine specimens. Shepard MC, et al. **J Clin Microbiol** 2(5):456–8, Nov 75

Differential agar medium (A7) for identification of Ureaplasma urealyticum (human T mycoplasmas) in primary cultures of clinical material. Shepard MC, et al. **J Clin Microbiol** 3(6):613–25, Jun 76

Neisseria catarrhal urethritis: a case report. McCague JJ, et al. **J Urol** 115(4):471, Apr 76

Letter: Relevance of 'significant bacteriuria' to aetiology and diagnosis of urinary-tract infection. Younes RP. **Lancet** 2(7946):1217, 13 Dec 75

Letter: Nongonococcal urethritis and the menstrual cycle. Singer CR, et al. **N Engl J Med** 293(15):780, 9 Oct 75

Comparative study of the prevalence of mycoplasma in males with non specific urethritis. Douboyas J, et al. **Zentralbl Bakteriol [Orig A]** 233(4):575–9, Dec 75

[The Candida prostato-urethritis] Hofstetter A, et al. **Med Welt** 26(41):1891–2, 10 Oct 75 **(Ger)**

[Mycoplasma prostatourethritis. The improtance of immunoelectrophoresis of the ejaculate for the diagnosis] Marx FJ, et al. **Munch Med Wochenschr** 117(24):1023–8, 13 Jun 75 (Eng. Abstr.) **(Ger)**

[Isolation of Mycoplasma T in patients with non gonococcal urethritis and in male healthy subjects in Mexico City] Filloy Yague L, et al. **Rev Invest Salud Publica** 35(2):155–9, Apr–Jun 76 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Postgonerrheal urethritis in males. I. Causes of incidence of postgonorrheal urethritis in males] Mroczkowski TF. **Przegl Dermatol** 63(1):53–7, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

A pitfall in urine cytology. A case report. Chappell LH, et al. **Acta Cytol (Baltimore)** 20(2):162–3, Mar–Apr 76

PREVENTION & CONTROL

Letter: Prophylactic treatment of postgonococcal urethritis. Fowler W. **Br Med J** 1(6002):154–5, 17 Jan 76

RADIOGRAPHY

Urethral syndrome in women. Jackson EA. **Radiology** 119(2):287–91, May 76

THERAPY

The tratment of non-specific urethritis. Heap G. **Med J Aust** 2(22):831–2, 29 Nov 75

VETERINARY

Obstructive urethritis in the femal dog. (A report of three cases). Burk RL, et al. **Vet Med Small Anim Clin** 71(7):898–902, Jul 76

URIC ACID

Acute lobular (membranoproliferative) glomerulonephritis with hyperuricemia and obstructive uric acid nephropathy. Allen AC. **Am J Clin Pathol** 65(1):109–20, Jan 76

Hemodialysis for acute anuric uric acid nephropathy. Steinberg SM, et al. **Am J Dis Child** 129(8):956–8, Aug 75

Nucleation of monosodium urate crystals. Wilcox WR, et al. **Ann Rheum Dis** 34(4):332–9, Aug 75

An overview of cellular and molecular mechanisms in cyrstal-induced inflammation. McCarty DJ, et al. **Arthritis Rheum** 18(6 Suppl):757–64, Nov–Dec 75

Pathology of the synovial membrane in gout. Light and electron microscopic studies. Interpretation of crystals in electron micrographs. Schumacher HR. **Arthritis Rheum** 18(6 Suppl):771–82, Nov–Dec 75

Comparison of sodium urate and calcium pyrophosphate crystal phagocytosis by polymorphonuclear leukocytes. Effects of crystal size and other factors. Schumacher HR, et al. **Arthritis Rheum** 18(6 Suppl):783–92, Nov–Dec 75

Photodecomposition of uric acid. Nirmala J, et al. **Indian J Biochem Biophys** 12(1):47–50, Mar 75

Relationship between beet root pigment and uric acid crystals. Kleeberg J. **Isr J Med Sci** 12(1):73–6, Jan 76

Monosodium urate monohydrate, the gout culprit. Mandel NS, et al. **J Am Chem Soc** 98(8):2319–23, 14 Apr 76

In vitro photodecomposition of uric acid in the presence of riboflavin. Newburger J, et al. **Life Sci** 17(3):443–7, 1 Aug 75

Sodium urate accelerates precipitation of calcium oxalate in vitro. Coe FL, et al. **Proc Soc Exp Biol Med** 149(4):926–9, Sep 75

Heterogeneous nucleation of calcium oxalate by seeds of monosodium urate. Pak CY, et al. **Proc Soc Exp Biol Med** 149(4):930–2, Sep 75

[Composition of the amniotic fluid in late pregnancy. 3. 1st results concerning total proteins, albumin, urea, uric acid, creatinine, lactic dehydrogenase, alkaline phosphatases, and oxalo-glutamic transaminase] Giraud JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(3):243–54, Apr–May 73 **(Fre)**

[Study in man of the blood and urinary effects of intense muscular exercise on certain elements of protein metabolism] Rougier G, et al. **Pathol Biol (Paris)** 23(1):35–43, Jan 75 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Ultrastructure of rat myocardium after feeding a diet with low--erucic acid rapeseed oil. Ziemlański S, et al. **Pol Med Sci Hist Bull** 15(2):123–32, Mar–Apr 75

ANALOGS & DERIVATIVES

Formal discussion: on the mechanism of the oxygen/dialuric acid induced hemolysis of vitamin E deficient rat red blood cells and the protective roles of catalase and superoxide dismutase. pp. 699–709. Fee JA, et al.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.

ANALYSIS

Potentiometric enzyme electrode for uric acid. Kawashima T, et al. **Anal Chim Acta** 83(1):9–17, May 76

The determination of uric acid in animal feeding stuffs using high-performance liquid chromatography. Cox GB, et al. **Analyst** 101(1202):381–5, May 76

Creatinine, urea and uric acid in amniotic fluid, maternal and umbilical cord blood at delivery. Anderer M, et al. **Arch Gynaekol** 220(1):65–72, 16 Dec 75

Studies in urolithiasis: II. X-ray diffraction analysis of calculi from Delhi region. Rao MV, et al. **Indian J Med Res** 64(1):102–7, Jan 76

Kidney stone matrix. Differences in acidic protein composition. Spector AR, et al. **Invest Urol** 13(6):387–9, May 76

The reliability of a mechanized procedure (Perkin-Elmer C4) for the Enzymatic determination of uric acid according to Kageyama. Haeckel R. **J Clin Chem Clin Biochem** 14(4):165–71, Apr 76

The use of aldehyde dehydrogenase to determine H2O2-producing reactions. I. The determination of the uric acid concentratiou. Haeckel R. **J Clin Chem Clin Biochem** 14(3):101–7, Mar 76

Dissolution of renal uric acid calculus with allopurinal and alkalization of urine: a case report. Neto M, et al. **J Urol** 115(6):740–1, Jun 76

Determination of uric acid in renal calculi using the Technicon S.M.A. Plus analyzer. Platten AF. **Med Lab Sci** 33(2):177–8, Apr 76

[Effect of pyrazole derivatives on reductometric analysis of uric acid (author's transl)] Aoki T, et al. **Jpn J Clin Pathol** 23(6):441–4, Jun 75 **(Jpn)**

[Change in the uric acid content in the blood serum and urine in amyotrophic lateral sclerosis] Khondkarian OA, et al. **Zh Nevropatol Psikhiatr** 74(2):198–202, 1974 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The effects of adenine nucleotides and guanine nucleotides on urate synthesis de novo by isolated chick liver and

kidney cells. Badenoch-Jones P, et al. **Biochem J** 148(3):599–601, Jun 75

Renal urate synthesis in the fowl (Gallus domesticus). Martindale L. **Comp Biochem Physiol [A]** 53(4):389–91, 1976

Stimulatory effects of ammonia and glutamine on uric acid synthesis in the chicken (Gallus domesticus) treated with methionine sulfoximine. Karasawa Y, et al. **Comp Biochem Physiol [B]** 53(3):307–10, 1976

Ammonia and uric acid formation after rapid intravenous fructose administration to healthy subjects and patients with compensated cirrhosis of the liver. Brodan V, et al. **Nutr Metab** 19(5–6):233–41, 1975

[Influence of parenteral fructose or glucose administration on uric acid formation and phosphate uptake of the human liver] Grunst J, et al. **Z Ernaehrungswiss** 14(4):259–67, Dec 75 (Eng. Abstr.) **(Ger)**

BLOOD

Day and night work: changes in cholesterol, uric acid, glucose and potassium in serum and in circadian patterns of urinary catecholamine excretion. A longitudinal cross-over study of railway workers. Theorell T, et al. **Acta Med Scand** 200(1–2):47–53, 1976

Drugs in the treatment of hyperuricemia. Elion GB. **Adv Nephrol** 3:51–7, 1974

Hyperuricemia in children, with the exception of the Lesch-Nyhan syndrome. Royer P. **Adv Nephrol** 3:71–80, 1974

Etiologic varieties of hyperuricemia and gout. Ryckewaert A, et al. **Adv Nephrol** 3:29–49, 1974

Effect of nicotinamide administration in a patient with an extrapyramidal movement disorder and hyperuricemia: a double-blind crossover study. Coleman M. **Adv Neurol** 14:297–302, 1976

The treatment of hyperuricemia. Lowenthal DT. **Am Fam Physician** 14(1):98–100, Jul 76

Changes associated with quitting cigarette smoking: the Framingham Study. Gordon T, et al. **Am Heart J** 90(3):322–8, Sep 75

Hyperuricemia in the hemolytic-uremic syndrome. Kaplan BS, et al. **Am J Dis Child** 130(8):854–6, Aug 76

Population serum urate levels and their correlates. The Sherbrooke regional study. Munan L, et al. **Am J Epidemiol** 103(4):369–82, Apr 76

Case report. Severe hyperuricemia, hypokalemic alkalosis and tubulointersitial nephritis. Kraikitpanitch S, et al. **Am J Med Sci** 271(1):77–83, Jan–Feb 76

Hyperuricemia in pre-eclampsia. A reappraisal. Fadel HE, et al. **Am J Obstet Gynecol** 125(5):640–7, 1 Jul 76

Acute hyperuricemic nephropathy in rats. An electron microscopic study. Waisman J, et al. **Am J Pathol** 81(2):367–78, Nov 75

Etiology of hyperuricemia. Bendersky G. **Ann Clin Lab Sci** 5(6):456–67, Nov–Dec 75

Familial hyperuricaemia due to renal tubular defect of urate transport. Akaoka I, et al. **Ann Clin Res** 7(5):318–24, Oct 75

Letter: Chronic interstitial nephritis: analgesic 'abuse', hyperuricemia. **Ann Intern Med** 83(4):576–7, Oct 75

Serum uric acid concentrations in a Xhosa community in the Transkei of Southern Africa. Beighton P, et al. **Ann Rheum Dis** 35(1):77–80, Feb 76

Serum uric acid–its relationship to lean body mass sex, plasma urea, intracellular potassium and packed cell volume in a normal population group. Kennedy AC, et al. **Ann Rheum Dis** 34(6):543, Dec 75

Uric acid, joint morbidity, and streptococcal antibodies in Maori and European teenagers. Rotorua Lakes study 3. Stanhope JM, et al. **Ann Rheum Dis** 34(4):359–63, Aug 75

Experimental hyperuricemic nephropathy. A model for human urate deposition disease. Bluestone R, et al. **Arthritis Rheum** 18(6 Suppl):823–34, Nov–Dec 75

Epidemiology of hyperuricemia. Healey LA. **Arthritis Rheum** 18(6 Suppl):709–12, Nov–Dec 75

Hypouricemia. Kelley WN. **Arthritis Rheum** 18(6 Suppl):731–7, Nov–Dec 75

Renal function abnormalities in patients with asymptomatic hyperuricemia. Klinenberg JR, et al. **Arthritis Rheum** 18(6 Suppl):725–30, Nov–Dec 75

Disorders associated with hyperuricemia. Smyth CJ. **Arthritis Rheum** 18(6 Suppl):713–9, Nov–Dec 75

Clinical evaluation of benzbromarone: a new uricosuric drug. Sorensen LB, et al. **Arthritis Rheum** 19(2):183–90, Mar–Apr 76

Prolonged hypouricemia associated with acute chlorprothixene ingestion. Weinshilboum RM, et al. **Arthritis Rheum** 18(6 Suppl):739–41, Nov–Dec 75

Serum urate and cholesterol levels in Air Force Academy cadets. Clark DA, et al. **Aviat Space Environ Med** 46(8):1044–8, Aug 75

Serum uric acid, cholesterol, and psychological moods throughout stressful naval training. Rahe RH, et al. **Aviat Space Environ Med** 47(8):883–8, Aug 76

Uric acid: binding levels of urate ions in normal and uraemic plasma, and in human serum albumin. Farrell PC, et al. **Biochem Pharmacol** 24(20):1885–7, 15 Oct 75

Serum uric acid in hypertensive patients. Bulpitt CJ. **Br Heart J** 37(12):1210–5, Dec 75

Uric acid and divergent thinking: a possible relationship. Kennett KF, et al. **Br J Psychol** 66(2):175–80, May 75

Letter: Prolactin and uric acid in man. Branch RA, et al. **Br Med J** 3(5979):369, 9 Aug 75

Changes in plasma urate concentration immediately after acute myocardial infarction. Ghosh P, et al. **Br Med J** 4(5991):261–2, 1 Nov 75

Uric acid estimation: a comparison of the manual uricase-UV and the phosphotungstate auto-analyzer methods. Itiaba K, et al. **Clin Biochem** 8(5):316–9, Oct 75

Identification of a creatine kinase inhibitor in human serum. Warren WA. **Clin Biochem** 8(4):247–53, Aug 75

Adaptation of blank-corrected methods for measurement of total and conjugated bilirubin and uric acid to the centrifugal analyzer. Cross RE, et al. **Clin Chem** 22(4):429–33, Apr 76

Ultramicromethod for determination of plasma uric acid. Kamoun P, et al. **Clin Chem** 22(7):964–7, Jul 76

Colorimetric, enzymatic, and liquid-chromatographic methods for serum uric acid compared. Slaunwhite WD, et al. **Clin Chem** 21(10):1427–9, Sep 75

Relationship of plasma uric acid to plasma lipids and lipoproteins in subjects with peripheral vascular disease. Ballantyne D, et al. **Clin Chim Acta** 70(2):323–8, 15 Jul 76

An alternative method for the determination of uric acid in serum. Kuan JC, et al. **Clin Chim Acta** 64(1):19–25, 1 Oct 75

Ultra-micromethods for the biochemical analysis of cutaneous capillary blood. III. Enzymatic fluorometric method for measuring uric acid in blood of neonates. Uete T, et al. **Clin Chim Acta** 69(1):143–6, 17 May 76

Plasma uric acid concentration related to the urinary excretion of aldosterone and of electrolytes in normal subjects. Ramsay LE, et al. **Clin Sci Mol Med** 49(6):613–6, Dec 75

Diabetes, prediabetes and uricaemia. Herman JB, et al. **Diabetologia** 12(1):47–52, Mar 76

Serum uric acid in Zambians. Snook CR, et al. **East Afr Med J** 52(4):196–201, Apr 75

Effect of fructose administration on serum urate levels in the uricase inhibited rat. Stavric B, et al. **Experientia** 32(3):373–4, 15 Mar 76

Serum lipids, uric acid and glucose during chronic consumption of fructose and xylitol in healthy human subjects. Huttunen JK. **Int J Vitam Nutr Res** (15):105–15, 1976

A brief note on the ultrastructure of renal glomeruli in acutely hyperuricemic rats. Mwasi LM, et al. **Invest Urol** 13(4):321–4, Jan 76

Serum uric acid: its association with other risk factors and with mortality in coronary heart disease. **J Chronic Dis** 29(9):557–69, Sep 76

A micropuncture study of the early phase of acute urate nephropathy. Conger JD, et al. **J Clin Invest** 58(3):681–9, Sep 76

Hypoxanthine phosphoribosyltransferase activity in intact fibroblasts from patients with X-linked hyperuricemia. Holland MJ, et al. **J Clin Invest** 57(6):1600–5, Jun 76

Systolic hypertension, hyperuricemia, and hyperglycemia as risk factors in cardiovascular disease. Shoshkes M. **J Med Soc NJ** 73(3):219–21, Mar 76

Neonatal hyperuricemia. Raivio KO. **J Pediatr** 88(4 Pt. 1):625–30, Apr 76

Levels of allantoin and uric acid in dogs subjected to hemorrhagic shock. Simeone FA, et al. **J Surg Res** 19(6):373–80, Dec 75

Uric acid nephropathy. Perry MC, et al. **JAMA** 236(8):961–2, 23 Aug 76

Alterations of renal function during dietary-induced hyperuricemia in the rat. Spencer HW, et al. **Kidney Int** 9(6):489–500, Jun 76

Increased serum urate in galactosemia patients after a galactose load: a possible role of nucleotide deficiency in galactosemic liver injury. Forster J, et al. **Klin Wochenschr** 53(24):1169–70, 15 Dec 75

Chronic experimental hyperuricemic nephropathy. Bluestone R, et al. **Lab Invest** 33(3):273–9, Sep 75

Plasma-urate measurements in predicting fetal death in hypertensive pregnancy. Redman CW, et al. **Lancet** 1(7974):1370–3, 26 Jun 76

Letter: Hyperuricaemia and epileptic seizures: a possible explanation. Saugstad OD. **Lancet** 2(7936):665, 4 Oct 75

Hyperuricaemic acute renal failure after epileptic seizures. Warren DJ, et al. **Lancet** 2(7931):385–7, 30 Aug 75

Hyperuricemia in coronary, cerebral and peripheral arterial disease: an explanation. Newland H. **Med Hypotheses** 1(4):152–5, Jul–Aug 75

Gout, uric acid and renal disease. Emmerson BT. **Med J Aust** 1(12):403–5, 20 Mar 76

Serum uric acid, body fatness, and heart rate response to exercise. Montoye HJ, et al. **Med Sci Sports** 7(3):233–6, Fall 75

The absence of undesirable changes during consumption of the low carbohydrate diet. Evans E, et al. **Nutr Metab** 17(6):360–7, 1974

A clinical study of hyperuricaemic men. Laing JK. **NZ Med J** 82(554):408–10, 24 Dec 75

Fructose-induced hyperuricemia: observations in normal children and in patients with hereditary fructose intolerance and galactosemia. Kogut MD, et al. **Pediatr Res** 9(10):774–8, Oct 75

Letter: Other suggested mechanisms for hyperuricemia. Chesney RW. **Pediatrics** 56(3):487–8, Sep 75

Field dependence, blood uric acid and cholesterol. Flemenbaum A, et al. **Percept Mot Skills** 41(1):135–41, Aug 75

The in vivo effects of 2.45 GHz microwave radiation of rabbit serum components and sleeping times. Wangemann RT, et al. **Radiat Environ Biophys** 13(2):89–103, 30 Jul 76

Scleritis associated with hyperuricaemia. Scharf J, et al. **Rheumatol Rehabil** 14(4):251–2, Nov 75

Ascorbic acid and blood lipid and uric acid levels of students. Menne IV, et al. **S Afr Med J** 49(54):2225–8, 20 Dec 75

Intellect and serum uric acid: an optimal concentration of serum urate for human learning? Stevens HA, et al. **Soc Biol** 22(3):229–34, Fall 75

Clinical experiences with Milurit treatment in uricacidemia of various origin. Raderecht C, et al. **Ther Hung** 23(1):32–6, 1975

Serum uric acid values of youths 12–17 years. United States. **Vital Health Stat** Series 11(152):1–35, Aug 75

[Degenerative joint diseases and hypertension (significance of testing hyperuricemia and rheumatoid factor)] Vukotić D, et al. **Reumatizam** 23(1):17–21, 1976 (Eng. Abstr.) **(Cro)**

[Ammonia and uric acid build-up after rapid intravenous administration of fructose to healthy subjects (author's transl)] Brodan V, et al. **Sb Lek** 77(10):298–303, Oct 75 (Eng. Abstr.) **(Cze)**

[Acute renal insufficiency due to hyperuricemia] Paduart P, et al. **Acta Clin Belg** 31(2):95–9, 1976 (Eng. Abstr.) **(Fre)**

[Physical and intellectual fatigue, probably 2 causes of hyperuricemia] Karamians SJ. **Acta Med Iran** 18(1–2):61–8, 1975 (Eng. Abstr.) **(Fre)**

[Physical and mental fatigue of probable hyperuricemia origin] Karamians SJ. **Acta Med Iran** 18(1–2):61–8, 1975 **(Fre)**

[Interference of noramidopyrin and its derivatives on the dosage of uric acid] Giudicelli Y, et al. **Ann Biol Clin (Paris)** 33(2):115–9, 1975 (Eng. Abstr.) **(Fre)**

[Automatic dosage of uric acid by urate oxydase. Comparison with Praetorius' methods] Pollet J, et al. **Ann Biol Clin (Paris)** 33(2):75–80, 1975 (Eng. Abstr.) **(Fre)**

[Donnan equilibrium and kinetics of uric acid transport across human erythrocyte membrane] Fontenaille C, et al. **C R Soc Biol (Paris)** 169(1):48–53, 1975 (Eng. Abstr.) **(Fre)**

[In-vitro study of factors modifying the activity of urate oxidase] Desprez TH, et al. **Lille Med** 21(5):433–6, May 76 **(Fre)**

[Letter: Acute hyperuricemic kidney failure. Treatment by uricozyme] Chanteclair G, et al. **Nouv Presse Med** 4(31):2274, 27 Sep 75 **(Fre)**

[Letter: Acute renal insufficiency caused by hyperuricemia] Paduart P, et al. **Nouv Presse Med** 4(21):1595, 24 May 75 **(Fre)**

[Letter: Prevention of hyperuricemic complications caused by treatment of acute leukemia] Sebahoun G, et al. **Nouv Presse Med** 5(3):146, 17 Jan 76 **(Fre)**

[Letter: Hypouricemia in Hodgkin's disease] Vernant JP, et al. **Nouv Presse Med** 4(29):2111, 13 Sep 75 **(Fre)**

[Letter: Use of urate oxidase and allopurinol as hypouricemic agents in hematology] Zittoun R, et al. **Nouv Presse Med** 5(2):91, 10 Jan 76 **(Fre)**

[Gout, hyperuricemia and femur head osteonecrosis (FHON)] Lequesne M, et al. **Rev Rhum Mal Osteoartic** 42(3):177–83, Mar 75 (Eng. Abstr.) **(Fre)**

[Incidence of hyperuricemia and gout in coronary insufficiency from angina pectoris to myocardial infarct] May V, et al. **Rev Rhum Mal Osteoartic** 42(7–9):467–70, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[Modification of uricemia coincident with myocardial infarct] May V, et al. **Rev Rhum Mal Osteoartic** 42(7–9):475–7, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[The effect of fructose on uric acid metabolism] Holländer E. **Acta Med Acad Sci Hung** 31(3–4):147–55, 1974 **(Ger)**

[Reducing the risks in the treatment of gout and hyperuricaemia (author's transl)] Mertz DP. **Dtsch Med Wochenschr** 101(35):1288–92, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Problems of hyperuricemias in Afghanistan] Saifi. **Hippokrates** 46(2):280–1, Jun 75 **(Ger)**

[Hyperuricemia] Tobiasch V. **Hippokrates** 47(3):254–61, Aug 76 **(Ger)**

[Biochemical studies on adjuvant arthritis in rats] pp. 119–23. Bošmanský K, et al. **In: Seidel K, ed. Immunologie und Biochemie der Rheumatoiden Arthritis. Jena, Friedrich-Schiller-Univ, 1974. WE 346 I33 1973.** **(Ger)**

[Mechanism of serum uric acid increase during continuous xylitol infusions] Kaiser W, et al. **Infusionstherapie** 1(7):548–50, Oct 74 (Eng. Abstr.) **(Ger)**

[Studies of the mechanism of serum uric acid elevation during continuous infusion of xylitol] Kaiser W, et al. **Infusionstherapie** 1(7):548–50, Oct 74 (Eng. Abstr.) **(Ger)**

[The effect of allopurinol on hemodynamic, respiratory and biochemical functional values in health persons following oral administration] Sziegoleit W, et al. **Int J Clin Pharmacol Biopharm** 12(4):408–18, Dec 75 (Eng. Abstr.) **(Ger)**

[Uric acid and phosphate metabolism of the splanchnic region during equimolar parenteral infusion of fructose and glucose] Dietze G, et al. **Int J Vitam Nutr Res** (15):146–9, 1976 (Eng. Abstr.) **(Ger)**

[Theory of pathogenesis in primary hyperuricamia] Mertz DP. **Med Klin** 70(28–29):1187–98, 11 Jul 75 (54 ref.) **(Ger)**

[Uric acid and gout] Keller H, et al. **Med Lab (Stuttg)**

28(5):115–8 concl, May 75 (Ger)
[The so-called risk factors in the diurnal profile and following acute alcohol intoxication] Hinz G, et al. **Med Welt** 27(10):458–62, 5 Mar 76 (Ger)
[Pathogenesis and treatment of fast-induced hyperuricemia using benzbromarone] Schräpler P, et al. **Med Welt** 27(12):575–81, 19 Mar 76 (Ger)
[Spinal complaints of hyperuricemic patients] Bogner G, et al. **Munch Med Wochenschr** 118(4):103–4, 23 Jan 76 (Ger)
[Diet in hyperuricemia (author's transl)] Griebsch A, et al. **Munch Med Wochenschr** 117(35):1373–8, 29 Aug 75 (Eng. Abstr.) (Ger)
[Plasma fibrinogen activity in diabetes mellitus, hyperlipoproteinemia and hyperuricemia (author's transl)] Zöller H, et al. **Munch Med Wochenschr** 118(16):493–4, 16 Apr 76 (Eng. Abstr.) (Ger)
[Which uric acid value is in need of treatment?] Siegenthaler-Zuber G. **Schweiz Med Wochenschr** 106(14):487–91, 3 Apr 76 (Eng. Abstr.) (Ger)
[Hyperuricemia in the practice] Mertz DP. **Ther Ggw** 114(9):1370–88, Sep 75 (Ger)
[Effect of a diet high in fat and protein and low in carbohydrates on the feeling of satiation, lipoproteins, uric acid and insulin in the blood of children] Ditschuneit HH, et al. **Verh Dtsch Ges Inn Med** 81:1415–8, 1975 (Ger)
[Clinical significance of hyperuricaemia in medically-hospitalized women over 50 years of age (author's transl)] Klotz HG, et al. **Wien Klin Wochenschr** 87(23):788–92, 12 Dec 75 (Ger)
[Nutritional aspects in the treatment of hyperuricemia] Eder M. **Wien Med Wochenschr** 126(7):84–6, 13 Feb 76 (Ger)
[A mechanized enzymic method for the determination of uric acid (author's transl)] Hunziker P, et al. **Z Klin Chem Klin Biochem** 13(3):89–96, Mar 75 (Eng. Abstr.) (Ger)
[Hyperuricemia] De Biasio R. **ZFA** 52(4):188–9, 10 Feb 76 (Ger)
[Hyperuricemia and the kidney] Reutter F. **ZFA** 52(4):193–6, 10 Feb 76 (Ger)
[Experience with various fasting-reducing diets with reference to the prevention of hyperuricacidemia] Horváth I, et al. **Orv Hetil** 117(13):783–6, 28 Mar 76 (Hun)
[Hyperuricemia syndrome and blood coagulation disorder: effects of crenotherapy] Barlattani M, et al. **Clin Ter** 74(6):527–46, 30 Sep 75 (Ita)
[Renal transport and blood levels of uric acid during long-term administration of a derivative of pyrazinamide, the morphazinamide] Campanini M, et al. **G Clin Med** 56(9–10):345–62, Sep–Oct 75 (Eng. Abstr.) (Ita)
[Mechanisms of the hyperuricemic action of fructose] Marcolongo R, et al. **Reumatismo** 26(4):247–57, Oct–Dec 74 (Eng. Abstr.) (Ita)
[Serum free aminoacid levels in a group of hyperuricemic subjects from the Aosta Valley (author's transl)] Angelico F, et al. **Riv Sci Tecn Nutr Um** 5(2):91–5, Mar–Apr 75 (Eng. Abstr.) (Ita)
[Hyperuricemia and diabetes mellitus] Norikura Y, et al. **Acta Med (Fukuoka)** 45(1):28–30, Jan 75 (Eng. Abstr.) (Jpn)
[Regression analyses of the data obtained by autoanalyzer SMA 12/60 (3) (author's transl)] Maeda M, et al. **Jpn J Clin Pathol** 23(6):437–40, Jun 75 (Jpn)
[Chronic nephritis and hyperuricemia] Tofuku Y, et al. **Jpn J Nephrol** 16(7):695–704, Jul 74 (Eng. Abstr.) (Jpn)
[The experimental and clinical studies on the urinary calculi with the special reference to the metabolism of uric acid. Report III: cause of primary hyperuricemia; in particular, basic study of primary hyperuricemia due to disorder to the enzyme hypoxanthine-guanine phosphoribosyl transferase (author's transl)] Kawamura T. **Jpn J Urol** 66(10):672–82, Oct 75 (Eng. Abstr.) (Jpn)
[Clinical study of gout and hyperuricemia. (II) Physiopathology and diagnosis] Nishioka K, et al. **Ryumachi** 15(2):141–53, Jul 75 (Eng. Abstr.) (Jpn)
[Uricosuric agents: Should they be used in asymptomatic hyperuricemia?] Naess K. **Tidsskr Nor Laegeforen** 96(1):45–6, 10 Jan 76 (Nor)
[Renal diabetes insipidus with hyperuricemia in an infant] Kuszyk T, et al. **Pediatr Pol** 51(7):845–7, 1976 (Pol)
[Serum uric acid in children with acute leukemia] Radwański U, et al. **Pediatr Pol** 50(10):1221–7, Oct 75 (Eng. Abstr.) (Pol)
[Acute renal failure secondary to hyperuricemia after the use of a diuretic] Ianhez LE. **Arq Bras Cardiol** 28(1):83–8, Feb 76 (Eng. Abstr.) (Por)
[Uricemia in diabetes mellitus: variations and significance] Duțu A, et al. **Rev Med Intern [Med Intern]** 28(3):227–34, May–Jun 76 (Eng. Abstr.) (Rum)
[Uric acid of plasma in patients with rheumatic heart disease, rheumatoid arthritis and systemic lupus erythematosus and its dynamics during treatment] Belov VA. **Ter Arkh** 48(5):96–9, 1976 (Eng. Abstr.) (Rus)
[Clinical picture of gout and gouty (hyperuricemic) kidney] Sošovec V. **Vnitr Lek** 21(8):808–12, Aug 75 (Eng. Abstr.) (Slo)
[Clinical significance of hypouricemia in 14,865 determination in the autoanalizer] Diaz Cureil M, et al. **Rev Clin Esp** 138(4):365–9, 31 Aug 75 (Eng. Abstr.) (Spa)
[Relation of uric acid and arteriosclerosis on an experimental model of chickens fed with eggs. Influence of insulin and oral antidiabetics (glibenclamide and tolbutamide)] Valdés M Jr, et al. **Rev Clin Esp** 139(3):235–41, 15 Nov 75 (Eng. Abstr.) (Spa)

METABOLISM

Uric acid metabolism in man. Balis ME. **Adv Clin Chem** 18:213–46, 1976 (164 ref.)
Inherited deficiency of hypoxanthine-guanine phosphoribosyltransferase in X-linked uric aciduria (the Lesch-Nyhan syndrome and its variants). Seegmiller JE. **Adv Hum Genet** 6:75–163, 1976 (353 ref.)
The normal metabolism of uric acid. Cartier P, et al. **Adv Nephrol** 3:3–28, 1974
Recent data on uric acid lithiasis. de Vries A, et al. **Adv Nephrol** 3:89–116, 1974
Hyperuricosuria and increased tubular secretion of urate in sickle cell anemia. Diamond HS, et al. **Am J Med** 59(6):796–802, Dec 75
Renal transport of urate during diuretic-induced hypouricemia. Reese OG Jr, et al. **Am J Med** 60(7):973–9, Jun 76
Use of pyrazinamide to assess renal uric acid transport in the rat: a micropuncture study. Abramson RG, et al. **Am J Physiol** 230(5):1276–83, May 76
Renal urate excretion at various plasma concentrations in the rat: a free-flow micropuncture study. De Rougemont D, et al. **Am J Physiol** 231(2):387–92, Aug 76
Characteristics of urate influx in the rat nephron. Kramp RA, et al. **Am J Physiol** 229(6):1654–61, Dec 75
Inhibition of urate excretion by pyrazinoate: a micropuncture study. Roch-Ramel F, et al. **Am J Physiol** 229(6):1604–8, Dec 75
Renal excretion of uric acid in the rat: a micropuncture and microperfusion study. Roch-Ramel F, et al. **Am J Physiol** 230(3):768–76, Mar 76
Urate reabsorption in proximal convoluted tubule of the rat kidney. Weinman EJ, et al. **Am J Physiol** 231(2):509–15, Aug 76
Localization of renal tubular uric acid transport defect in gouty chickens. Zmuda MJ, et al. **Am J Physiol** 229(3):820–5, Sep 75
Letter: Alkalosis and urate clearance. Ramsay L, et al. **Ann Intern Med** 83(6):903–4, Dec 75
Leukemic urate nephropathy. Kanwar YS, et al. **Arch Pathol** 99(9):467–72, Sep 75
Binding of urate by serum proteins. Campion DS, et al. **Arthritis Rheum** 18(6 Suppl):747–9, Nov–Dec 75
Postsecretory reabsorption of urate in man. Diamond HS, et al. **Arthritis Rheum** 18(6 Suppl):805–9, Nov–Dec 75
An analysis of the bidirectional transport of uric acid by the human nephron. Holmes EW Jr, et al. **Arthritis Rheum** 18(6 Suppl):811–5, Nov–Dec 75
Deposition of urate crystals in gout. Altered connective tissue metabolism. Katz WA. **Arthritis Rheum** 18(6 Suppl):751–6, Nov–Dec 75
Protein adsorption to monosodium urate, calcium pyrophosphate dihydrate, and silica crystals: relationship to the pathogenesis of crystal-induced inflammation. Kozin F, et al. **Arthritis Rheum** 19 Suppl 3:433–8, May–Jun 76
Comments on the use of pyrazinamide. Steele TH. **Arthritis Rheum** 18(6 Suppl):817–21, Nov–Dec 75
Overproduction of uric acid in primary gout. Yü TF, et al. **Arthritis Rheum** 18(6 Suppl):695–8, Nov–Dec 75
Transport into erythrocytes and intestinal absorption of uric acid in hereditary renal hypouricemia. Sperling O, et al. **Biomedicine [Express]** 23(5):157–9, 10 Jun 75
Uric acid disorders in patients with calcium stones. Hodgkinson A. **Br J Urol** 48(1):1–5, Feb 76
The fate of recycled urate in hens fed on a diet containing dried poultry manure. Martindale L. **Br Poult Sci** 16(4):389–93, Jul 75
Uric acid lithiasis associated with altered kinetics of hypoxanthine-guanine phosphoribosyltranferase. Henderson JF, et al. **Clin Biochem** 9(1):4–8, Feb 76
Effect of vasopressin on uric acid excretion: evidence for distal nephron reabsorption of urate in man. Meisel A, et al. **Clin Sci Mol Med** 51(1):33–40, Jul 76
Excreta analysis on additional cockroach species and the house cricket. Cochran DG. **Comp Biochem Physiol [A]** 53(1):79–81, Jan 76
A comparative study of enzymes of urea and uric acid metabolism in different species of amphibia, and the adaptation to the environment of the tree frog Chiromantis xerampelina Peters. Balinsky JB, et al. **Comp Biochem Physiol [B]** 54(4):549–55, 1976
Effect of sex hormones on uric acid metabolism in rats. Nishida Y, et al. **Experientia** 31(10):1134–5, 15 Oct 75
Mechanisms of urate transport in the rat proximal tubule. p. 174. Kramp R. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**
Influence of vitamin A on formation and excretion of end products of nitrogen catabolism in chicks. Bruckental I, et al. **Int J Vitam Nutr Res** 45(4):378–87, 1975
Uric acid degradation by Bacillus fastidiosus strains. Bongaerts GP, et al. **J Bacteriol** 125(2):689–97, Feb 76
Enzymatic degradation of uric acid by uricase-loaded human erythrocytes. Ihler G, et al. **J Clin Invest** 56(3):595–602, Sep 75
A blood and urine study of heavy muscular work on ureic and uric metabolism in man. Rougier G, et al. **J Sports Med Phys Fitness** 15(3):212–22, Sep 75
Contribution to therapeutic decisions of ratios, absolute values and other measures of calcium, magnesium, urate or oxalate balance in stone formers. Drach GW. **J Urol** 116(3):338–40, Sep 76
Vasopressin-stimulated movement of drugs and uric acid across the toad urinary bladder. Levine SD, et al. **Kidney Int** 9(1):30–5, Jan 76
Renal excretion of uric acid during prolonged fasting. Fox IH, et al. **Metabolism** 25(5):551–9, May 76
Uric acid catabolism in the woolly monkey. Logan DC, et al. **Metabolism** 25(5):517–22, May 76
Fasting uric acid and phosphate in urine and plasma of renal calcium-stone formers. Schwille P, et al. **Nephron** 16(2):116–25, 1976
Uric acid and the kidney. Weinman EJ. **Perspect Nephrol Hypertens** 3:141–58, 1976
Peritubular transport of urate in rat kidneys. Foulkes EC. **Pfluegers Arch** 360(1):1–6, 16 Oct 75
Uric acid excretion by the chick as an indicator of dietary protein quality. Miles RD, et al. **Poult Sci** 55(1):98–102, Jan 76
Urate kinetics in hypoxanthine-guanine phosphoribosyltransferase deficiency: their significance for the understanding of gout. Emmerson BT, et al. **Q J Med** 45(177):49–61, Jan 76
[The kidney and uric acid] Morin C, et al. **Union Med Can** 104(12):1845–53, Dec 75 (64 ref.) (Eng. Abstr.) (Fre)
Letter: Uric acid during phenylbutazone therapy] Mertz DP. **Med Klin** 71(37):1524, 10 Sep 76 (Ger)
[Uric acid and gout] Keller H. **Med Lab (Stuttg)** 28(4):73–81 contd, Apr 75 (Ger)
[The effect of glucose substitutes on human uric acid metabolism (author's transl)] Heuckenkamp PU, et al. **Munch Med Wochenschr** 117(37):1145–52, 12 Sept 75 (Eng. Abstr.) (Ger)
[Uric acid balance in radiotherapy] Alth G, et al. **Strahlentherapie** 151(5):449–58, May 76 (Eng. Abstr.) (Ger)
[Hyperuricemia and hyperuricuria. Their significance for urinary calculi] Bandhauer K. **ZFA** 52(4):190–2, 10 Feb 76 (Ger)
[The experimental and clinical studies on the urinary calculi with the special reference to the metabolism of uric acid. Report I: clinical statistics of urolithiasis with special reference to the relationship of serum uric acid concentration and urinary uric acid excretion to the formation of urinary oxalate containing calculi (author's transl)] Kawamura T. **Jpn J Urol** 66(10):656–60, Oct 75 (Eng. Abstr.) (Jpn)
[Pathogenesis of urate nephrolithiasis] Grzegorzewska A, et al. **Pol Przegl Chir** 48(6A):765–9, Jun 76 (Eng. Abstr.) (Pol)
[Conservative treatment of urate urolithiasis in a 4-month-old infant] Chatys-Górska L, et al. **Wiad Lek** 29(7):635–9, 1 Apr 76 (Eng. Abstr.) (Pol)
[Uric acid in the blood and its excretion in premature infants] Nikitina II. **Vopr Okhr Materin Det** 20(8):40–3, Aug 75 (Eng. Abstr.) (Rus)
[Uric acid as electronic acceptor of chicken liver's XDH (author's transl)] López-Solanas V, et al. **Rev Esp Fisiol** 31(4):255–63, Dec 75 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Creatine kinase activity in serum and uric acid solution. Warren WA, et al. **Clin Chim Acta** 70(2):285–8, 15 Jul 76
[Inhibition of thyroid cellular respiration after administration of some purine and indole derivatives] Lazăr C, et al. **Stud Cercet Endocrinol** 23(5):321–7, 1972 (Rum)

URINE

Alpha-methyldopa interference with the phosphotungstate uric acid test. Small RE, et al. **Am J Hosp Pharm** 33(6):556–60, Jun 76
Uric acid excretion by the rat kidney. Cook MA, et al. **Am J Physiol** 229(3):586–91, Sep 75
Renal excretion of urate in mongrel and Dalmatian dogs: a micropuncture study. Roch-Ramel F, et al. **Am J Physiol** 231(2):326–31, Aug 76
Uric acid excretion by the pig kidney. Simmonds HA, et al. **Am J Physiol** 230(6):1654–61, Jun 76
Ascorbic acid-induced uricosuria. A consequency of megavitamin therapy. Stein HB, et al. **Ann Intern Med** 84(4):385–8, Apr 76
Renal excretion of uric acid. Steele TH. **Arthritis Rheum** 18(6 Suppl):793–804, Nov–Dec 75
The uricosuric effect of calcitonin. Blahoš J, et al. **Horm Metab Res** 7(5):445–6, Sep 75
Mechanism and regulation of renal organic acid transport. pp. 51–7. Deetjen P. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**
Urate excretion by the kidney of cebus monkeys. p. 189. Roch-Ramel F, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**
Hyperuricosuria due to high-dose pancreatic extract therapy in cystic fibrosis. Stapleton FB, et al. **N Engl J Med** 295(5):246–8, 29 Jul 76
Variation of urate excretion with urine flow in normal man. Engle JE, et al. **Nephron** 16(1):50–6, 1976
Influence of volume expansion, serum sodium, and fractional excretion of sodium on urate excretion. Diamond H, et al. **Pfluegers Arch** 356(1):47–57, 9 Apr 75
Effect of KCl on renal uric acid excretion. Malý J, et al. **Physiol Bohemoslov** 25(3):213–6, 1976

Proportions of ammonia, urea, urate and total nitrogen in avian urine and quantitative methods for their analysis on a single urine sample. McNabb FM, et al. **Poult Sci** 54(5):1498–505, Sep 75

Observations on the reduction of the renal elimination of urate in man caused by the administration of pyrazinamide. Ellard GA, et al. **Tubercle** 57(2):97–103, Jun 76

Proceedings: Hyper uricaemia in Sudanese. Ibrahim SA. **West Afr J Pharmacol Drug Res** 2(1):92P, Dec 74

[Urate nephrolithiasis. Cause of consequence?] Mertz DP. **Fortschr Med** 94(20–21):1160–4, 15 July 76 (Eng. Abstr.) **(Ger)**

[The hypoexcretors and hyperproducers of uric acid amomg juvenile gout patients] Babucke G, et al. **Med Welt** 27(12):558–62, 19 Mar 76 **(Ger)**

[Effect of thiopurinol on renal uric acid and oxypurine excretion in man under modified formula diet with a constant purine content] Griebsch A, et al. **Verh Dtsch Ges Inn Med** 81:1462–6, 1975 **(Ger)**

[The experimental and clinical studies on the urinary calculi with the special reference to the metabolism of uric acid. Report II: relationship between urinary uric acid excretion and recurrent urinary oxalate containing calculus formation with special reference to the prevention of recurrence of formation (author's transl)] Kawamura T. **Jpn J Urol** 66(10):661–71, Oct 75 (Eng. Abstr.) **(Jpn)**

[Metabolic aspects of uric acid excretion following human renal transplantation] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):430–5, Sep–Oct 75 (Eng. Abstr.) **(Por)**

URICASE see **URATE OXIDASE**

URICOSURIC AGENTS

Halofenate. Its selection and trial as a primary uricosuric agent. Bluestone R, et al. **Arthritis Rheum** 18(6 Suppl):859–62, Nov–Dec 75

Uricosuric agents. Fanelli GM Jr. **Arthritis Rheum** 18(6 Suppl):853–8, Nov–Dec 75

The uricosuric effect of calcitonin. Blahoš J, et al. **Horm Metab Res** 7(5):445–6, Sep 75

[Clinico–experimental observations on the diuretic activity of the 'Currone' bicarbonate–alkaline earth medio–mineral water of Belpasso] Fiore CE, et al. **Minerva Ecol Idroclimatol Fis Nucl** 15(1):1–6, Jan–Mar 75 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

The treatment of hyperuricemia. Lowenthal DT. **Am Fam Physician** 14(1):98–100, Jul 76

PHARMACODYNAMICS

Renal transport of urate during diuretic–induced hypouricemia. Reese OG Jr, et al. **Am J Med** 60(7):973–9, Jun 76

Uricosuric activity of suxibuzone, a new phenylbutazone derivative. Erill S, et al. **Arch Farmacol Toxicol** 1(1):43–6, Mar 75

[Letter: Influence of antihypertensive agents and uricosuric agents on convulsion threshold] Gross F. **Dtsch Med Wochenschr** 101(11):430, 12 Mar 76 **(Ger)**

THERAPEUTIC USE

Drugs in the treatment of hyperuricemia. Elion GB. **Adv Nephrol** 3:51–7, 1974

Uricosuric activity of suxibuzone, a new phenylbutazone derivative. Erill S, et al. **Arch Farmacol Toxicol** 1(1):43–6, Mar 75

The pharmacology of hypouricemic effect of benzbromarone. Sinclair DS, et al. **J Rheumatol** 2(4):437–45, Dec 75

Clinical experiences with Milurit treatment in uricacidemia of various origin. Raderecht C, et al. **Ther Hung** 23(1):32–6, 1975

[Clinical and therapeutic aspects of gout] Weinberger A, et al. **Harefuah** 90(9):403–5, 2 May 76 (Eng. Abstr.) **(Heb)**

URIDINE

Differential labeling with orotic acid and uridine in compensatroy renal hypertrophy. Ross JS, et al. **Am J Physiol** 229(4):952–4, Oct 75

Reaction of uracil and thymine derivatives with sodium bisulfite. Studies on the mechanism and reduction of the adduct. Shapiro R, et al. **Biochim Biophys Acta** 425(1):115–24, 18 Feb 76

ANALOGS & DERIVATIVES

The mechanism of action of 3–deazauridine in tumor cells sensitive and resistant to arabinosylcytosine. Brockman RW, et al. **Ann NY Acad Sci** 255(751106–751230–2):501–21, 8 Aug 75

The biosynthesis of the nucleoside antibiotics: minimycin formation by Streptomyces hygroscopicus. Isono K, et al. **Ann NY Acad Sci** 255(751106–751230–2):390–401, 8 Aug 75

The effects of nucleoside analogs on cutaneous neoplasms. Klein E, et al. **Ann NY Acad Sci** 255(751106–751230–2):216–24, 8 Aug 75

5–Carbamoylmethyluridine: a new minor nucleoside of transfer ribonucleic acid. Dunn DB, et al. **Biochem Soc Trans** 3(5):656–9, 1975

Structural analysis of O2'–methyl–5–carbamoylmethyluridine, a newly discovered constituent of yeast transfer RNA. Gray MW. **Biochemistry** 15(14):3046–51, 13 Jul 76

The kinetics and specificity of the reaction of 2'(3')–O–bromoacetyluridine with bovine pancreatic ribonuclease A. Pincus M, et al. **Biochemistry** 14(16):3653–61, 12 Aug 75

On the interaction of 3,4,5,6–tetrahydrouridine with human liver cytidine deaminase. Wentworth DF, et al. **Biochemistry** 14(23):5099–105, 18 Nov 75

Isomerisation and conformation studies of (+)– and (–)6–hydroxy–5, 6–dihydrouridine. Ducolomb R, et al. **Biochim Biophys Acta** 432(1):18–27, 15 Apr 76

Urinary pseudouridine and beta–aminoisobutyric acid in patients with low grade urothelial tumours. Relations between excretion and tumour recurrence. Nyholm KK, et al. **Biomedicine [Express]** 25(3):85–7, May 76

Oligonucleotide conformations. III. Comparative optical and thermodynamic studies of uridylyl–3'–5'–nucleosides containing ribose, deoxyribose, or 2'–deoxy–2'–fluororibose in the uridine moiety. Catlin JC, et al. **Biopolymers** 14(1):51–71, Jan 75

Analysis of O2'–methylnucleoside 5'–phosphates in snake venom hydrolysates of RNA: identification of O2'–methyl–5–carboxymethyluridine as a constituent of yeast transfer RNA. Gray MW. **Can J Biochem** 53(7):735–46, Jul 75

The urinary excretion of nucleosides of ribonucleic acid by patients with advanced cancer. Waalkes TP, et al. **Cancer** 36(2):390–8, Aug 75

Inhibition of deamination of 14C–cytosine arabinoside (NSC–63878): a useful biologic assay for tetrahydrouridine (NSC–112907). Furner RL, et al. **Cancer Chemother Rep** 59(4):717–20, Jul–Aug 75

Enhancement by tetrahydrouridine (NSC–112907) of the oral activity of 5–azacytidine (NSC–102816) in L1210 leukemic mice. Neil GL, et al. **Cancer Chemother Rep** 59(3):459–65, May–Jun 75

The inhibition of ribosomal RNA synthesis and maturation in Novikoff hepatoma cells by 5–fluorouridine. Wilkinson DS, et al. **Cancer Res** 35(11 Pt 1):3014–20, Nov 75

Synthesis of uracil nucleosides of D–xyluronic acid derivatives. Akhrem AA, et al. **Carbohydr Res** 43(1):195–9, Aug 75

Determination of urinary pseudouridine by gas chromatography. Casale G, et al. **Clin Chim Acta** 69(3):545–6, 15 Jun 76

The pseudouridine modification in the anticodon region of tRNA. pp. 79–86. Cortese R, et al. **In: Antoni F, Farago A, ed. Post–synthetic modification of macromolecules. Amsterdam, North–Holland, 1975. W3 FE322 9th 1974 v.34.**

Transductional mapping of gene trmA responsible for the production of 5–methyluridine in transfer ribonucleic acid of Escherichia coli. Björk GR. **J Bacteriol** 124(1):92–8, Oct 75

Physiological and biochemical studies on the function of 5–methyluridine in the transfer ribonucleic acid of Escherichia coli. Björk GR, et al. **J Bacteriol** 124(1):99–111, Oct 75

A heterologous system for detecting eukaryotic enzymes which synthesize pseudouridine in transfer ribonucleic acids. Mullenbach GT, et al. **J Biol Chem** 251(15):4570–8, 10 Aug 76

Determination of 5–fluorouridine and 5–fluorocytidine in RNA hydroiysates using high–performance ion–exclusion chromatography. Kaiser II, et al. **J Chromatogr** 111(1):242–5, 20 Aug 75

Synthesis and biological studies of 3–(beta–D–ribofuranosyl)–2,3,–dihydro–6H–1,3–oxazine–2, a new pyrimidine nucleoside analog related to uridine. Chwang TL, et al. **J Med Chem** 19(5):643–7, May 76

Nucleic acid related compounds. 17.3–Deazuridine. Stannous chloride catalysis of cis–diol vs. phenolic base methylation with diazomethane. Robins MJ, et al. **J Med Chem** 18(11):1070–4, Nov 75

Studies on biologically active nucleosides and nucleotides. 1. Reactions of tetraacetoxysilane with pyrimidine ribonucleosides. Kondo K, et al. **J Org Chem** 41(18):2995–9, 3 Sep 76

Synthesis of 5–vinyluridine and 5–vinyl–2'–deoxyuridine as new pyrimidine nucleoside analogs. Sharma RA, et al. **J Org Chem** 40(16):2377–9, 8 Aug 75

Pyrimidine nucleoside analogues as inducers of pyrimidine nucleoside catabolizing enzymes in Salmonella typhimurium. Krajewska E, et al. **Mol Biol Rep** 2(4):295–301, Dec 75

Effect of ribothymidine in specific eukaryotic tRNAs on their efficiency in in vitro protein synthesis. Marcu KB, et al. **Nature** 261(5556):159–62, 13 May 76

Aminoacylation and nucleoside modification of in vitro synthesised transfer RNA. Zeevi M, et al. **Nature** 260(5546):72–4, 4 Mar 76

Acetylation and cleavage of purine nucleosides. Synthesis of 6–azauridine, 5–fluorouridine, and 5–methyluridine. Beránek J, et al. **Nucleic Acids Res** 3(5):1387–99, May 76

2',3'–=Carbonates in the synthesis of uridine 5'–deoxy and 2',5'–dideoxy derivatives. Hein L, et al. **Nucleic Acids Res** 3(4):1125–37, Apr 76

Pyrimidine nucleoside analogues.X. 5–Substituted 1–(1,3–dihydroxypropyl–2) uracils. Hiller SA, et al. **Nucleic Acids Res** 3(3):721–7, Mar 76

3–Ribosyl–6–methyluracil as a phosphate acceptor in the synthesis of the internucleotide bond catalyzed by pancreatic ribonuclease. Kavunenko AP, et al. **Nucleic Acids Res** 3(4):1073–9, Apr 76

Studies on 5–hydroxyuridine (isobarbituridine): X. Isolation and tentative identification of 5–hydroxymethyluridine from ribosomal RNA. Lis AW, et al. **Physiol Chem Phys** 7(6):565–70, 1975

[Sensitivity and resistance of pathogenic yeasts to 5–fluoropyrimidines. I.––Relation between the phenotypes of resistance to 5–fluorocytosine, the serotype of Candida albicans and the ecology of various species of Candida of human origin (author's transl)] Drouhet E, et al. **Ann Microbiol (Paris)** 126B(1):25–39, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Age–dependent changes of uridine nucleotide and RNA metabolism in the brain of normal and hypothyroid rats. Duvilanski BH, et al. **Acta Physiol Lat Am** 25(3):165–71, 1975

BLOOD

Proceedings: Serum uracil + uridine levels in normal subjects. Parry TE, et al. **Arch Dis Child** 50(8):667, Aug 75

Influence of membrane lipid fluidity on glucose and uridine facilitated diffusion in human erythrocytes. Read BD, et al. **Biochim Biophys Acta** 419(2):331–41, 21 Jan 76

Measurement of the immune response to an allograft: amino acid incorporation by peripheral white blood cells in man. Blamey RW, et al. **Br J Surg** 62(11):863–7, Nov 75

METABOLISM

3H–uridine incorporation by the mast cells situated in different organs. Csaba G, et al. **Acta Biol Acad Sci Hung** 25(3):213–5, 1974

The effect of intra–uterine contraceptive devices on the oestrogen–induced incorporation of [3H–5]uridine into RNA by the rat uterus. Dada OA, et al. **Acta Endocrinol (Kbh)** 81(1):165–9, Jan 76

Uptake of exogenous metabolites by virus–transformed cells: changes induced by temperature and pH. Bader JP, et al. **Arch Biochem Biophys** 175(1):196–208, Jul 76

Regulation of synthesis of ribosomal proteins during pyrimidine starvation in Escherichia coli. Beatty BG, et al. **Biochem J** 150(3):463–9, Sep 75

Phospholipases and the effect of prolactin on uridine incorporation into RNA in mammary gland explants of mice. Rillema JA, et al. **Biochim Biophys Acta** 428(3):819–24, 28 May 76

Temperature dependence of uridine transport in quiescent and serum–stimulated 3T3 cells. Stein WD, et al. **Biochim Biophys Acta** 419(1):112–9, 8 Jan 76

Increased incorporation of [3H]uridine into RNA in the brain subfornical organ of ovariectomized mice. George JM, et al. **Brain Res** 97(1):167–70, 24 Oct 75

Uridine labeling of human lymphocytes: differential uptake by T and B cells. Scott DW, et al. **Cell Immunol** 20(1):64–8, Nov 75

Uridine, phenylalanine and glucosamine incorporation into Tetrahymena pyriformis grown in a defined media and in threonine deficient media. Richmond JE. **Comp Biochem Physiol [B]** 54(3):333–6, 1976

An autoradiographic assessment of the incorporation of H3–uridine into DNA and RNA of osteoblasts of aging mice. Singh IJ, et al. **Connect Tissue Res** 4(2):73–8, 1976

Changes of uridine permeability during the maturation of [illegible] eggs. Lambert CC. **Dev Biol** 46(1):40–8, Sep 75

Transport of pyrimidine nucleosides in cells of Escherichia coli K 12. Mygind B, et al. **Eur J Biochem** 59(2):365–72, 15 Nov 75

Incorporation of tritiated uridine during pachytene and diplotene stages in the oocytes of the Japanese quail (Coturnix coturnix japonica). Hartung M, et al. **Experientia** 32(1):96–8, 15 Jan 76

Effects of adenosine 3':5'–cyclic monophosphate and guanosine 3':5'–cyclic monophosphate on 3H–uridine incorporation into glomerulosal cells of hypophysectomized rat adrenal cortex. Nussdorfer GG, et al. **Horm Res** 6(1):20–7, 1975

Incorporation and uptake of thymidine and uridine by HeLa cells: effect of DNA extracts prepared from normal human fibroblasts. Ashkenazi–Ezra R, et al. **In Vitro** 12(6):442–9, Jun 76

Utilization of uridine for RNA synthesis in the insect cell line CP–1268 derived from the codling moth, Laspeyresia pomonella. Gallagher BM, et al. **In Vitro** 12(3):165–72, Mar 76

N6–(delta2–isopentenyl)adenosine, an inhibitor of cellular transport of uridine and cytidine. Hakala MT, et al. **J Cell Physiol** 86(2 Pt 1):281–91, Oct 75

Anchorage dependent changes in transport of glucose, adenosine, uridine and leucine in 3T3 cells. Otsuka H, et al. **J Cell Physiol** 86(2 PT 2 SUPPL 1):379–87, Oct 75

Decreased 3H–uridine incorporation and increased 3H–adenosine incorporation by HeLa cells exposed to autologous culture fluid. Tilley R, et al. **J Cell Physiol** 86(2 PT 2 SUPPL 1):359–68, Oct 75

Inhibition of cell division in amoebae: the incorporation of tritiated precursors into Amoeba proteus after the injection of non–homologous cytoplasm. Cameron JM, et al. **J Cell Sci** 20(3):525–37, May 76

Comparison of uridine uptake at 24 hours with thymidine uptake at 72 hours in phytohaemagglutinin-stimulated cultures of pregnant and other subjects. Blecher TE, et al. **J Clin Pathol** 29(8):727–31, Aug 76

Mitotic activity and nucleic acid precursor incorporation in denervated and innervated limb stumps of axolotl larvae. Tassava RA, et al. **J Exp Zool** 195(2):253–62, Feb 76

Alloantiserum-mediated supperssion of Ir gene controlled antigen-induced lymphocyte activation: effect on uridine and leucine incorporation. Greenberg PD, et al. **J Immunol** 115(5):1206–11, Nov 75

Uptake and incorporation of (3H)uridine by normal or diapausing rat blastocysts after various periods of culture. Bitton-Casimiri V, et al. **J Reprod Fertil** 46(2):447–8, Mar 76

Incorporation of (5-3H) uridine into ribonucleotide pools and RNA during thyroxine-induced metamorphosis of Xenopus laevis tadpoles. Hagenbuchle O, et al. **Mol Cell Endocrinol** 4(2):61–77, Jan 76

Characterization of thymus- and bone marrow-derived lymphocytes in rats by means of 3H-uridine incorporation. Klobušická M, et al. **Neoplasma** 22(6):631–8, 1975

Radiochromatography of 5-3H-uridine derivatives found in trichloracetic and soluble fractions of mouse brain, liver, muscle and blood. Etrychová J, et al. **Physiol Bohemoslov** 24(5):385–8, Sep 75

The incorporation of radioactive uridine into the hepatitis B antigen of a chimpanzee. Jóźwiak W, et al. **Proc Soc Exp Biol Med** 150(1):121–5, Oct 75

[Localization of immunoglobulins and incorporation of uridine 3 h in the bursal follicles in chickens] Milo R, et al. **Riv Istochim Norm Patol** 18(1–4):134, 1974 **(Ita)**

[Influence of sodium ribonucleate on the incorporation of labelled precursors into the RNA of the mitochondria of the organs of white rats] Germaniuk IaL, et al. **Farmakol Toksikol** 38(4):463–5, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

[An autoradiographic study of the relationship between nucleic metabolism and features of the metabolism of the nucleosides employed] Mazhuga PM. **Tsitol Genet** 8(5):400–5, Sep-Oct 74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Uridine as an inhibitor of thymidine utilization and DNA synthesis in L cells with impeded function of thymidylate synthetase. Zeuthen E, et al. **Exp Cell Res** 98(1):57–62, 1 Mar 76

Response of isolated rat hepatocytes to D-galactosamine and uridine. Hofmann F, et al. **Hoppe Seylers Z Physiol Chem** 357(3):427–33, Mar 76

[Gilbert's disease. Action of uridine diphosphoglucose on the metabolism of bilirubin] Ventura E, et al. **Med Chir Dig** 4(5–6):283–6, 1975 **(Fre)**

[Studies on the effect of uridine and of the uridine-cytidine mixture on the phagocytic activity of the reticuloendothelial system] D'Angelo P, et al. **Boll Soc Ital Biol Sper** 51(21):1524–30, 15 Nov 75 **(Ita)**

THERAPEUTIC USE

[Observations on the therapeutic usefulness of uridine in epilepsy] Bonavita V, et al. **Acta Neurol (Napoli)** 30(1):30–4, Jan-Feb 75 (Eng. Abstr.) **(Ita)**

URIDINE DIPHOSPHATE N-ACETYLGALACTOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N-ACETYLGLUCOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N-ACETYLMURAMIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GALACTOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE see under **ALCOHOL OXIDOREDUCTASES**

URIDINE DIPHOSPHATE GLUCOSE EPIMERASE see under **CARBOHYDRATE ISOMERASES**

URIDINE DIPHOSPHATE GLUCURONIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE SUGARS

Glycogen synthesis in the perfused liver of streptozotocin-diabetic rats. Whitton PD, et al. **Biochem J** 150(2):153–65, Aug 75

Affinity chromatography of collagen glucosyltransferase on a UDP-glucose derivative coupled to agarose. Anttinen H, et al. **Biochim Biophys Acta** 429(3):750–8, 13 May 76

ANALOGS & DERIVATIVES

Enzymatic synthesis and reactions of uridine 5'-(5-thio-alphaD-glucopyranosyl pyrophosphate). Graham TL, et al. **Arch Biochem Biophys** 171(2):721–6, Dec 75

Uridine 5'-(5-thio-alpha-D-glucopyranosyl pyrophosphate): chemical synthesis and activation of rat liver glycogen synthetase. Graham TL, et al. **Biochemistry** 15(6):1189–94, 23 Mar 76

Interaction of uridine diphosphate glucose with calf liver uridine diphosphate glucose dehydrogenase. Significance of hydroxyl groups at C-3, C-4 and C-6 of hexosyl residue. Druzhinina TN, et al. **Biochim Biophys Acta** 403(1):1–8, 22 Sep 75

Interaction of uridine diphosphate glucose analogs with calf liver uridine diphosphate glucose dehydrogenase. Influence of substituents at C-5 of pyrimidine nucleus. Shibaev VN, et al. **Biochim Biophys Acta** 403(1):9–16, 22 Sep 75

ANALYSIS

Concentration of uridine diphosphate sugars in various tissues of vertebrates. Zhivkov V, et al. **Comp Biochem Physiol [B]** 51(4):421–4, 15 Aug 75

BIOSYNTHESIS

A rapid and simple procedure for the preparation of the two bacterial cell wall peptidoglycan nucleotide precursors labeled in their amino sugars. Mirelman D. **Anal Biochem** 70(2):424–9, Feb 76

Preparation of UDP-D-(U-14C)galacturonic acid and UDP-D-(6-3H)galactose with high specific activities. Rao AK, et al. **Anal Biochem** 72:400–6, 7 May 76

Biosynthesis of uridine diphosphate N-acetyl-D-mannosaminuronic acid from uridine diphosphate N-acetyl-D-glucosamine in Escherichia coli: separation of enzymes responsible for epimerization and dehydrogenation. Kawamura T, et al. **Biochem Biophys Res Commun** 66(4):1506–12, 27 Oct 75

Effect of heart work and insulin on the incorporation of [14C]glucose into hexose phosphates, uridine diphosphate glucose and glycogen in the normal and insulin-deficient perfused rat heart under working and non-working conditions. Das I, et al. **Biochem J** 154(3):765–72, 15 Mar 76

Formation of uridine diphosphate 2-deoxy-D-glucose and guanosine diphosphate 2-deoxy-D-glucose in vitro using animal enzymes. Schwarz RT, et al. **Eur J Biochem** 62(1):181–7, 2 Feb 76

METABOLISM

Biosynthesis of uridine diphosphate N-acetyl-D-mannosaminuronic acid from uridine diphosphate N-acetyl-D-glucosamine in Escherichia coli: separation of enzymes responsible for epimerization and dehydrogenation. Kawamura T, et al. **Biochem Biophys Res Commun** 66(4):1506–12, 27 Oct 75

Evidence for specific transport of uridine diphosphate galactose across the Golgi membrane of rat mammary gland. Kuhn NJ, et al. **Biochem J** 154(1):243–4, 15 Jan 76

Enzymatic conjugation of benzo (a) pyrene oxides, phenols and dihydrodiols with UDP-glucuronic acid. Nemoto N, et al. **Biochem Pharmacol** 25(10):1221–6, 15 May 76

Affinity labeling of bovine colostrum galactosyltransferase with a uridine 5'-diphosphate derivative. Powell JT, et al. **Biochemistry** 15(16):3499–505, 10 Aug 76

Induction of UDPglucose dehydrogenase during development, organ culture, and exposure to phenobarbital. Its relation to levels of UDPglucuronic acid and overall glucuronidation in chicken and mouse. Fyffe J, et al. **Biochim Biophys Acta** 411(1):41–9, 10 Nov 75

Cellulose synthesis by extracts of Acanthamoeba castellanii during encystment. Stimulation of the incorporation of radioactivity from UDP-(14C)glucose into alkali-soluble and insoluble beta-glucans by glucose 6-phosphate and related compounds. Potter JL, et al. **Biochim Biophys Acta** 428(1):240–52, 25 Mar 76

Enzymatic synthesis and interconversion of UDP-D-glucose and UDP-D-galactose in the albumen gland of the snail, Helix pomatia. Department of Biological Sciences, Oakland University, Rochester, MI 48063.. **Comp Biochem Physiol [B]** 54(1):135–9, 1976

Pyrophosphatase and glucuronosyltransferase in microsomal UDPglucuronic-acid metabolism in the rat liver. Puhakainen E, et al. **Eur J Biochem** 61(1):165–9, 2 Jan 76

Binding of UDP-glucose to homogenates of normal and denervated skeletal muscle. McLaughlin J, et al. **FEBS Lett** 60(1):126–8, 1 Dec 75

[Molecular weight of a membrane receptor of UDP-glucose] Berthillier G, et al. **FEBS Lett** 56(2):256–8, 15 Aug 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

The concerted inactivation of Escherichia coli uridine diphosphate galactose 4-epimerase by sugar nucleotide together with a free sugar. Blackburn P, et al. **Biochem J** 155(2):225–9, 1 May 76

5-Aminolevulinic acid synthetase induction: inhibitory effect exerted by administration of uridine diphosphate glucose. Pinelli A, et al. **Biochem Pharmacol** 25(6):623–4, 15 Mar 76

Ultraviolet photoinactivation of galactosyltransferase. Protection by substrates. Clymer DJ, et al. **Biochemistry** 15(5):1093–7, 9 Mar 76

[Gilbert's disease. Action of uridine diphosphoglucose on the metabolism of bilirubin] Ventura E, et al. **Med Chir Dig** 4(5–6):283–6, 1975 **(Fre)**

[Effect of arterialization of the liver and treatment with uridine-diphospho-glucose on glucuronyl-transferase activity in rats treated with portacaval shunt] Okolicsanyi L, et al. **Boll Soc Ital Biol Sper** 52(7–8):475–9, 30 Apr 76 **(Ita)**

THERAPEUTIC USE

[Influence of UDPG, glutathione and vitamin B 12 therapy on various liver function indices in patients with liver cirrhosis] Coltorti M. **Clin Ter** 72(4):323–35, 28 Feb 75 **(Ita)**

[Effect of UDPG on the surgical patient] Girotto T, et al. **Minerva Anestesiol** 41(4):194–202, Apr 75 (Eng. Abstr.) **(Ita)**

[Clinical studies of the effect of a phosphorylated glycoderivative in acute viral hepatitis] Fiori GP, et al. **Minerva Med** 67(12):132–40, 10 Mar 76 (Eng. Abstr.) **(Ita)**

URIDINE DIPHOSPHATE XYLOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE KINASE see under **PHOSPHOTRANSFERASES, ATP**

URIDINE PHOSPHATES see **URACIL NUCLEOTIDES**

URIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

URIDYLIC ACIDS see under **URACIL NUCLEOTIDES**

URINARY CALCULI

Constituents of urinary calculi containing struvite. Sutor DJ. **Br J Urol** 47(6):585–7, Dec 75

Scanning electron microscopy of urinary calculi. pp. 307–14. Spector M, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Changes in the composition of urinary tract stones. Hodgkinson A, et al. **Invest Urol** 13(2):131–5, Sep 75

Urinary tract stone disease. Classic studies. Scott R. **Urology** 6(6):667–75, Dec 75

[Third international symposium on urolithiasis research davos schweiz, 29.iii.–i.iv.1976] Akuama G. **Ugeskr Laeger** 138(27):1645–6, 28 Jun 76 **(Dan)**

[Complete obstruction of a silicone ureteral prosthesis] de Leval J, et al. **Acta Urol Belg** 43(1):5–10, Jan 75 **(Fre)**

[The recurrent urinary calculus] Bülow H, et al. **Med Klin** 71(11):449–57, 12 Mar 76 (27 ref.) **(Ger)**

[Preparation of microsections from urinary calculi] Tóth C, et al. **Orv Hetil** 116(36) 7 Sep 75 **(Hun)**

[Urinary calculi in children] Zakrillaev Z. **Pediatriia** (11):67–8, Nov 75 **(Rus)**

CHEMICALLY INDUCED

Acetazolamide and urinary stone formation. Rosen DI. **Va Med Mon** 103(5):363–4, 390, May 76

[Formation of urinary calculi due to overdosage of dihydrotachysterol] Lenk S, et al. **Z Aerztl Fortbild (Jena)** 70(9):470–1, 1 May 76 **(Ger)**

CLASSIFICATION

[Grouping of urinary stones and exactness of analyses (author's transl)] Gebhardt M, et al. **Urol Int** 31(3):217–9, 1976 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Letter: Urolithiasis in inflammatory bowel disease. Mařatka Z. **Gastroenterology** 69(4):1041–3, Oct 75

Giant urethral calculus: a case report. Hassan RM. **J Urol** 115(6):756–7, Jun 76

[Chronic renal insufficiency in urolithiasis in children--a critical study] Otto-Unger G, et al. **Kinderaerztl Prax** 43(4):150–5, Apr 75 **(Ger)**

[Nephrolithiasis in hypercalciuria and hyperparathyroidism] Rapado A, et al. **Munch Med Wochenschr** 118(25):799–810, 18 Jun 76 (Eng. Abstr.) **(Ger)**

[Kidney-pelvis calculi and lymphogranulomatosis] Heinrichs HJ, et al. **Z Urol Nephrol** 70(6):423–7, Jun 75 **(Ger)**

[Nephrocalcinosis and urinary calculi associated with incomplete renal tubular acidosis (author's transl)] Hiratsuka Y, et al. **Jpn J Urol** 67(3):188–200, Mar 76 (Eng. Abstr.) **(Jpn)**

[Excretory anuria following urolithiasis] Tarnowiecki K, et al. **Pol Przegl Chir** 48(2 A):209–13, Feb 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

The effect of calculi on transitional epithelium. A clinical and cytological study. de Ruiter F, et al. **Urol Res** 3(2):67–72, 8 Aug 75

[Some problems of relapsing urolithiasis in childhood] Vendl L. **Cesk Pediatr** 30(12):583–6, Dec 75 (Eng. Abstr.) **(Cze)**

[Microscopic investigation of the partial stages of dissolution processes in urinary calculi (author's transl)] Seyfarth HH, et al. **Munch Med Wochenschr** 117(46):1841–4, 14 Nov 75 (Eng. Abstr.) **(Ger)**

[Urinary calculi in childhood from the urological point of view] Schubert J, et al. **Z Aerztl Fortbild (Jena)**

69(20):1064–9, 15 Oct 75 (Ger)
[Renal colic—diagnosis and therapy of acute urinary calculus] Thiel U. **Z Aerztl Fortbild (Jena)** 70(2):79–83, 15 Jan 76 (Ger)

DIET THERAPY

[Diet in urinary calculi] Vahlensieck W. **Infusionsther Klin Ernaehr** 3(4):243–8, Aug 76 (Eng. Abstr.) (Ger)

DRUG THERAPY

Medical management of urolithiasis. Bissada NK, et al. **Am Fam Physician** 13(5):89–94, May 76
Magnesium oxide–pyridoxine therapy for recurrent urolithiasis. **Nutr Rev** 34(1):18–20, Jan 76 (6 ref.)
[New aspects in the treatment of oxalate lithiasis (author's transl)] Hautmann R, et al. **Urologe [A]** 15(4):148–52, Jul 76 (Eng. Abstr.) (Ger)
[Biochemical basis of oxalic urolithiasis therapy] Górny E. **Postepy Hig Med Dosw** 30(1):121–32, Jan–Feb 76 (Eng. Abstr.) (Pol)
[Conservative treatment of urate urolithiasis in a 4-month-old infant] Chatys-Górska L, et al. **Wiad Lek** 29(7):635–9, 1 Apr 76 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Proceedings: Acid and alkaline urinary inorganic pyrophosphatase in the formation of calcium-containing urinary calculi. Eisenkraft C, et al. **Isr J Med Sci** 11(11):1226–7, Nov 75
Child's urinary lithiasis revealing a complete deficit in adenine phosphoribosyl transferase. Debray H, et al. **Pediatr Res** 10(8):762–6, Aug 76
[The experimental and clinical studies on the urinary calculi with the special reference to the metabolism of uric acid. Report III: cause of primary hyperuricemia; in particular, basic study of primary hyperuricemia due to disorder to the enzyme hypoxanthine-guanine phosphoribosyl transferase (author's transl)] Kawamura T. **Jpn J Urol** 66(10):672–82, Oct 75 (Eng. Abstr.) (Jpn)

ETIOLOGY

Recent data on uric acid lithiasis. de Vries A, et al. **Adv Nephrol** 3:89–116, 1974
A rare complication of hydrocele. Chatterjee AC. **Br J Surg** 62(11):891–2, Nov 75
Stone disease in urinary diversion. Grimes JH. **South Med J** 68(12):1494–6, Dec 75
Influence of dietary magnesium on urolithiasis and epithelial hyperplasia of the renal pelvis in rats. Magnusson G, et al. **Z Versuchstierkd** 17(4):185–95, Jul 75
[A special cause of urinary lithiasis: dysfunction of the terminal ileum] Cassan P, et al. **Nouv Presse Med** (23):1729–31, 7 Jun 75 (Fre)
[Hyperuricemia and hyperuricuria. Their significance for urinary calculi] Bandhauer K. **ZFA** 52(4):190–2, 10 Feb 76 (Ger)
[Abnormalities of oxalate metabolism and urinary lithiasis. III. Urinary oxalate excretion after the replacement of ureteral defects by ileal segments (author's transl)] Ito H, et al. **Jpn J Urol** 67(5):318–20, May 76 (Eng. Abstr.) (Jpn)
[Etiology of urolithiasis in children] Jablońska-Kunicka K, et al. **Wiad Lek** 29(12):1079–84, 15 Jun 76 (Eng. Abstr.) (Pol)
[Study of the cause-effect relationships in the etiology of urolithiasis] Beliaev II, et al. **Gig Sanit** (4):81–5, Apr 76 (Rus)

FAMILIAL & GENETIC

[A new metabolic disease: the complete deficit of adenine phosphoribosyltransferase and lithiasis of 2,8-dihydroxyadenine] Cartier P, et al. **C R Acad Sci [D] (Paris)** 279(10):883–6, Sep 74 (Fre)
[Familial urolithiasis due to primary hyperoxaluria type I] Cos Welsh J, et al. **Bol Med Hosp Infant Mex** 33(4):887–902, Jul–Aug 76 (Eng. Abstr.) (Spa)

METABOLISM

The identification of 2,8-dihydroxyadenine, a new component of urinary stones. Simmonds HA, et al. **Biochem J** 157(2):485–7, 1 Aug 76
Uric acid disorders in patients with calcium stones. Hodgkinson A. **Br J Urol** 48(1):1–5, Feb 76
Stone screening and follow-up are necessary? Williams G, et al. **Br J Urol** 47(7):745–50, 1975
The determination of silicates in urinary calculi. Burr RG. **Clin Chim Acta** 69(2):259–65, 1 Jun 76
Epitaxial relationships in urolithiasis: the calcium oxalate monohydrate–hydroxyapatite system. Meyer JL, et al. **Clin Sci Mol Med** 49(5):369–74, Nov 75
A study of mineral composition of urinary calculi by x-ray diffraction method. Das P, et al. **Indian J Med Res** 63(1):83–92, Jan 75
Studies in urolithiasis: II. X-ray diffraction analysis of calculi from Delhi region. Rao MV, et al. **Indian J Med Res** 64(1):102–7, Jan 76
Studies on urolithiasis in Israel. Zaidman JL, et al. **J Urol** 115(6):626–7, Jun 76
Bone mineral density in patients with urolithiasis. A preliminary report. Alhava EM, et al. **Scand J Urol Nephrol** 10(2):154–6, 1976
[Metabolic disorders in patients with urolithiasis] Zechner O. **Z Urol Nephrol** 69(4):295–9, Apr 76 (Ger)
[The experimental and clinical studies on the urinary calculi with the special reference to the metabolism of uric acid. Report I: clinical statistics of urolithiasis with special reference to the relationship of serum uric acid concentration and urinary uric acid excretion to the formation of urinary oxalate containing calculi (author's transl)] Kawamura T. **Jpn J Urol** 66(10):656–60, Oct 75 (Eng. Abstr.) (Jpn)
[Metabolism of oxalic acid in the normal state and in nephrolithiasis] Vel'tishev IuE, et al. **Urol Nefrol (Mosk)** (4):64–70, Jul–Aug 75 (Rus)
[Study of riboflavin requirement in patients with urinary calculi during complex treatment at the Truskavets health resort] Oleĭnik IuS. **Vrach Delo** (6):97–9, Jun 74 (Eng. Abstr.) (Rus)

OCCURRENCE

Childhood urolithiasis in the United Kingdom and Eire. Ghazali S. **Br J Urol** 47(7):739–43, 1975
Seasonal variations in the composition of urine in relation to calcium stone-formation. Robertson WG, et al. **Clin Sci Mol Med** 49(6):597–602, Dec 75
Proceedings: Chemical composition of urinary calculi in Israel. Zaidman JL, et al. **Isr J Med Sci** 11(11):1227, Nov 75
The problem of urolithiasis in Pakistan. **JPMA** 25(10):267–8, Oct 75
The problem of urolithiasis in Pakistan. **JPMA** 25(10):267–8, Oct 75
Analysis of 1,423 (new patients) referred to the nephro-urology department of the Jinnah post-graduate medical centre, Karachi—a five years study. Farooqui S, et al. **JPMA** 25(10):286–8, Oct 75
Analysis of 1,423 (new patients) referred to the nephro-urology department of the Jinnah post-graduate medical centre, Karachi—a five years study. Farooqui S, et al. **JPMA** 25(10):286–8, Oct 75
The chaning face of urinary lithiasis in childhood. Gaches CG, et al. **JPMA** 25(10):282–6, Oct 75
The chaning face of urinary lithiasis in chuidhood. Gaches CG, et al. **JPMA** 25(10):282–6, Oct 75
Stone in the upper urinary tract. (A preliminary report on 222 cases). Khan FA, et al. **JPMA** 25(10):278–82, Oct 75
Stone in the upper urinary tract. (A preliminary report on 222 cases). Khan FA, et al. **JPMA** 25(10):278–82, Oct 75
Calculous disease—a survey of 400 patients. Rizvi SA. **JPMA** 25(10):268–74, Oct 75
Calculous disease—a survey of 400 patients. Rizvi SA. **JPMA** 25(10):268–74, Oct 75
Urolithiasis in industrial workers. Yaqin H. **JPMA** 25(10):274–8, Oct 75
Urolithiasis in industrial workers. Yaqin H. **JPMA** 25(10):274–8, Oct 75
[Urinary calculi in paraplegia] Kowalezyk J, et al. **Z Urol Nephrol** 68(11):799–802, Nov 75 (Ger)
[Occurrence of urolithiasis in the Nenets national region] Oshurkov AA, et al. **Urol Nefrol (Mosk)** (4):30–2, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Urinary lithiasis and obstruction. Mexican data during 10 years in the center of the Mexican Republic] Guani Lira R, et al. **Gac Med Mex** 110(4):246–50, Oct 75 (Spa)

PATHOLOGY

[Scanning electron microscopy of urinary stones] Dosch W, et al. **Z Urol Nephrol** 68(1):25–41, Jan 75 (Ger)
[Results of analyses of 10,000 urinary calculi using electronic data processing methods] Hesse A, et al. **Z Urol Nephrol** 69(1):1–9, Jan 76 (Ger)
[Clinical observations on the thin section of a thread concrement] Sluka G, et al. **Z Urol Nephrol** 68(1):61–2, Jan 75 (Ger)

PHYSIOPATHOLOGY

[Functional state of the kidneys in patients with urolithiasis in the postoperative period according to the data of radioisotope and enzymological studies] Goligorskiĭ SD, et al. **Urol Nefrol (Mosk)** (4):32–6, Jul–Aug 75 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Control of oxalate urolithiasis by DL-alanine. Chow FC, et al. **Invest Urol** 13(2):113–6, Sep 75
[Principles of directed prevention of urinary calculi] Burchardt P, et al. **Dtsch Med Wochenschr** 101(36):1326–30, 3 Sep 76 (57 ref.) (Ger)
[Prevention of urinary calculi. Theory and practice of relapse prevention] Böwering R. **ZFA** 52(7):360–4, 10 Mar 76 (Ger)

RADIOGRAPHY

Matrix calculi. Mall JC, et al. **Br J Radiol** 48(574):807–10, Oct 75
Surgical grand rounds: Spontaneous urinary extravasation. **Ill Med J** 148(2):165–8, Aug 75
Pneumopyelography. Khan AU, et al. **Urology** 8(1):92–3, Jul 76

SURGERY

[Infectious complications following surgery for lithiasis] pp. 22–30. Le Guillou M, et al. **In: Kiiss R, Legrain M, ed. Séminaires d'uro-néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** (Fre)
[Multiple and simultaneous operations solely on the urinary tract. I. In lithiasis] **J Urol Nephrol (Paris)** 80(12 pt 2):364–75, Dec 74 (Fre)
[Coagulopyelolithotomy] Kaden W, et al. **Z Urol Nephrol** 70(6):415–21, Jun 75 (Eng. Abstr.) (Ger)
[Decisions in astonishing findings during surgery] Koch H. **Z Urol Nephrol** 68(8):567–9, Aug 75 (Ger)
[What significance has the surgical treatment of urolithiasis today] Schneider HJ, et al. **Z Urol Nephrol** 68(8):547–56, Aug 75 (Ger)
[Results of surgical treatment of urolithiasis in infants and younger children] Gruchalski J, et al. **Pediatr Pol** 50(11):1351–6, Nov 75 (Eng. Abstr.) (Pol)
[Surgical treatment of urolithiasis in children] Gruchalski J, et al. **Wiad Lek** 28(14):1189–92, 15 Jul 75 (Eng. Abstr.) (Pol)

THERAPY

[Advances in ambulatory care of patients with urinary calculi] Schneider HJ, et al. **Z Urol Nephrol** 67(10):749–57, Oct 74 (Ger)
[Cystine calculi disease: with reports of our ten cases (author's transl)] Araki T, et al. **Jpn J Urol** 66(12):862–75, Dec 75 (Eng. Abstr.) (Jpn)

URINE

Urinary citrate excretion in stone-formers and normal controls. Welshman SG, et al. **Br J Urol** 48(1):7–11, Feb 76
Inhibitor of calcium oxalate crystallisation in urine of normals and stone formers. Teotia M, et al. **Indian J Med Res** 63(8):1209–16, Aug 75
Degree of sulfation in mucopolysaccharide sulfates in normal and stone-forming urines. Foye WO, et al. **Invest Urol** 14(1):33–7, Jul 76
Urease. The primary cause of infection-induced urinary stones. Griffith DP, et al. **Invest Urol** 13(5):346–50, Mar 76
Saturation–inhibition index as a measure of the risk of calcium oxalate stone formation in the urinary tract. Robertson WG, et al. **N Engl J Med** 294(5):249–52, 29 Jan 76
[Significance of mucopolysaccharide elimination in urolithiasis] Hesse A, et al. **Z Urol Nephrol** 70(6):401–5, Jun 75 (Ger)
[Procedures for the thin-layer presentation of urinary concrements] Sluka G, et al. **Z Urol Nephrol** 68(1):43–5, Jan 75 (Ger)
[The experimental and clinical studies on the urinary calculi with the special reference to the metabolism of uric acid. Report II: relationship between urinary uric acid excretion and recurrent urinary oxalate containing calculus formation with special reference to the prevention of recurrence of formation (author's transl)] Kawamura T. **Jpn J Urol** 66(10):661–71, Oct 75 (Eng. Abstr.) (Jpn)
[Urinary excretion of electrolytes in the patients with urinary calculi (author's transl)] Kimura Y, et al. **Jpn J Urol** 67(1):1–6, Jan 76 (Eng. Abstr.) (Jpn)
[Effect of 'Dzhermuk' mineral water on colloidal activity and surface tension of urine in patients with urinary-calculous diathesis and chronic pyelonephritis] Agadzhanian IG, et al. **Zh Eksp Klin Med** 15(5):61–4, 1975 (Rus)

VETERINARY

Feline urological syndrome: associations with some time, space, and individual patient factors. Willeberg P, et al. **Am J Vet Res** 37(8):975–8, AUG 76
Silica urolithiasis in a dog. Legendre AM. **J Am Vet Med Assoc** 168(5):418–9, 1 Mar 76
Urolithiasis. Zontine WJ. **Mod Vet Pract** 56(11):776–80, Nov 75
Letter: Feline urolithiasis. Fennell C. **Vet Rec** 97(6):118, 9 Aug 75
[Distribution of urolithiasis among animals in a dry climate zone] Tarasov NI, et al. **Veterinariia** (1):88, Jan 76 (Rus)

URINARY CATHETERIZATION

Drug therapy by indwelling arterial catheter. Kelleher A, et al. **Am J Nurs** 75(11):1990–2, Nov 75
Catheterization in anorectal surgery. Scoma JA. **Arch Surg** 110(12):1506, Dec 75
Influence of ureteral catheter size on urinary flow rate and glomerular filtration rate in the rat. Vandewalle A, et al. **Eur J Clin Invest** 6(2):187–9, 31 Mar 76
Letter: To use or not to use heparin in neonates with indwelling umbilical catheters. Mahoney DH. **J Pediatr** 89(2):339–40, Aug 76
Selective caliceal catheterization for stone manipulation. Ball TP Jr, et al. **J Urol** 114(2):172–4, Aug 75
Experience with intermittent catheterization in chronic spinal cord injury patients. Firlit CF, et al. **J Urol** 114(2):234–6, Aug 75
Experience with indwelling ureteral stent catheters. Gibbons RP, et al. **J Urol** 115(1):22–6, Jan 76
Further observations on self-catheterization. Lapides J, et

al. **J Urol** 116(2):169–71, Aug 76
Intermittent catheterization and bladder rehabilitation in spinal cord injury patients. Perkash I. **J Urol** 114(2):230–3, Aug 75
Management of indwelling catheters. Chapman J. **Nurs Times** 71(45):1776–7, 6 Nov 75
Using the urinary catheter and other devices. Bodner H. **Postgrad Med** 58(6):87–91, Nov 75
Letter: Retrieval of indwelling ureteral stent. Gibbons RP. **Urology** 7(1):117, Jan 76
Transcatheter embolization of renal arteriovenous fistula. Goldman ML, et al. **Urology** 6(3):386–8, Sep 75
Management of postoperative fistula of upper urinary tract. Hildreth T, et al. **Urology** 7(3):264–5, Mar 76
Early removal of catheter after transurethral prostatectomy. Klotz PG. **Urology** 6(3):305–7, Sep 75
Aerobic and anaerobic flora in bladder urine of patients with indwelling urethral catheters. Sapico FL, et al. **Urology** 7(4):382–4, Apr 76
Radiographic method of nephrostomy tube replacement. Silvert MA. **Urology** 6(3):370, Sep 75
[New approach in the endoscopic treatment of ureteral calculi] Bertrand G. **J Urol Nephrol (Paris)** 81(1–2):99–101, Jan–Feb 75 **(Fre)**
[Incidents and complications of treatment of ureter calculi. Review of 650 cases] Navratil H, et al. **J Urol Nephrol (Paris)** 81(1–2):119–22, Jan–Feb 75 **(Fre)**
[Treatment of ureteral calculi with the Zeiss loop] Minovi F. **Acta Med Iran** 17(3–4):113–20, Dec 74 **(Ger)**
[Andro–urological phantom (a.u.p.). Proposal for a phantom for exercises on bladder catheterization, prostatic palpation within the frame of the early diagnosis of cancer, for prostatic–punctures and further urological methods] Hackmann H. **Z Allgemeinmed** 51(27):1204–6, 30 Sep 75 **(Ger)**
[Catheterization of the urinary bladder in general practice] Carl P. **ZFA** 52(7):342–5, 10 Mar 76 **(Ger)**
[Split renal function studies: technical problems (author's transl)] Hidai H. **Jpn J Urol** 67(4):258–63, Apr 76 (Eng. Abstr.) **(Jpn)**
[The therapeutic effect on patients with spinal cord lesions according to urinary drainage methods taken in the acute stage (author's transl)] Namiki T, et al. **Jpn J Urol** 67(1):21–7, Jan 76 (Eng. Abstr.) **(Jpn)**
[Catheterization of the urinary bladder—further views] Schönebeck J. **Lakartidningen** 73(23):2192–4, 2 Jun 76 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Extremity necrosis caused by indwelling arterial catheters. Johnson FE, et al. **Am J Surg** 131(3):375–9, Mar 76
Preventive aspects: vesical catheter and temporary supravesical catheterization. Navarrete RV. **Antibiot Chemother** 21:73–6, 1976
Ureteral catheter shavings: A potential threat. Ball TP Jr. **J Urol** 114(5):791–2, Nov 75
An unusual complication from a functioning indwelling urethral catheter: case report of an abdominal mass. Keys RH Jr, et al. **J Urol** 116(2):257–8, Aug 76
Letter: Foley catheter perforation of the urinary bladder. Rubinstein A, et al. **JAMA** 236(7):822, 16 Aug 76
Infection of the urinary tract associated with catheters. Stronge JL. **Nurs Times** 72(11):426–7, 18 Mar 76
Bowel perforation with suprapubic cystostomy Report of two cases. Noller KL, et al. **Obstet Gynecol** 48(1 Suppl):67S–69S, Jul 76
Letter: A note of caution. Zwerdling R, et al. **Pediatrics** 57(1):163, Jan 76
Incidence and range of microscopic hematuria in patients with indwelling urinary catheters. Petursson SR, et al. **Res Commun Chem Pathol Pharmacol** 12(3):513–20, Nov 75
Hospital acquired urinary infections and the indwelling catheter. Andriole VT. **Urol Clin North Am** 2(3):451–69, Oct 75 (45 ref.)
Iatrogenic urinary infections. Dale GA. **Urol Clin North Am** 2(3):471–84, Oct 75
Prevention and management of infection in the catheterized patient. Fincke BG, et al. **Urol Clin North Am** 3(2):313–21, Jun 76
Case profile: iatrogenic block of ileoureteral orifice. Pearlman CK, et al. **Urology** 6(5):642, Nov 75
[3 cases of serious incidents during treatment of ureteral calculi] Ballanger R. **J Urol Nephrol (Paris)** 81(1–2):70–1, Jan–Feb 75 **(Fre)**
[Impaction of Dormia's catheter] Berge D. **J Urol Nephrol (Paris)** 81(1–2):88–90, Jan–Feb 75 **(Fre)**
[Complications of endoscopic and surgical treatment of ureteral calculi] Bittard M, et al. **J Urol Nephrol (Paris)** 81(1–2):107–9, Jan–Feb 75 **(Fre)**
[An unusual accident of endoscopic extraction of a renal pelvic calculus: rupture of the renal pelvis] Dufour B. **J Urol Nephrol (Paris)** 81(1–2):76–8, Jan–Feb 75 **(Fre)**
[Urinary infections following bladder catheterization] Guignard JP, et al. **Schweiz Med Wochenschr** 105(49):1354–6, 6 Dec 75 (Eng. Abstr.) **(Fre)**
[When should the medicamentous prevention of catheter infection be started?] Obolensky W, et al. **Arch Gynaekol** 219(1–4):240–1, 18 Nov 75 **(Ger)**
[Indwelling catheter after laparotomy with special reference to retrograde urinary tract infections (author transl)] Ota H, et al. **Jpn J Antibiot** 29(6):607–11, Jun 76 **(Jpn)**
[Catheterization and urinary tract infections] Sander S, et al. **Tidsskr Nor Laegeforen** 95(34–36):1979–81, 10 Dec 75 (Eng. Abstr.) **(Nor)**

INSTRUMENTATION

Polymers in the genitourinary tract. pp. 175–80. Zinsser HH. **In: Kronenthal RL et al., ed. Polymers in medicine and surgery. New York, Plenum Press, 1975. QT 34 P783 1974.**
Clamp for passing ureteral catheters. Eggleston FC. **J Urol** 115(6):714, Jun 76
Flexible tip ureteral catheters in clinical practice. Rutner AB, et al. **J Urol** 115(1):18–21, Jan 76
Simultaneous urethro–cystometry with a new technique. Asmussen M, et al. **Scand J Urol Nephrol** 10(1):7–11, 1976
Indwelling catheter and risk of urinary infection: a clinical investigation with a new closed–drainage system. Wolff G, et al. **Urol Res** 4(1):15–8, 21 Apr 76
Modification of ureteral catheter for removal of bladder foreign bodies. Roth RA, et al. **Urology** 6(5):624–5, Nov 75
Continuous intraluminal Foley suction. Streit CC, et al. **Urology** 7(6):634–5, Jun 76
Dual pressure transducer catheter for evaluating vesicourethral function: experiences in patients with neurogenic bladder. Yalla SV, et al. **Urology** 8(2):160–3, Aug 76
[Closed drainage system (author's transl)] Shimizu Y, et al. **Jpn J Urol** 66(12):856–61, Dec 75 (Eng. Abstr.) **(Jpn)**
[Silicone rubber urethral catheters—a valuable aid in urological care] Andersson B, et al. **Lakartidningen** 73(16):1519–20, 14 Apr 76 (Eng. Abstr.) **(Swe)**

METHODS

Urinary catheterization in severe sphincter spasticity: report of two cases. Gans BM, et al. **Arch Phys Med Rehabil** 56(11):498, Nov 75
Intermittent non–sterile self–catheterization. Whitfield HN, et al. **Br J Surg** 63(4):330–2, Apr 76
Percutaneous suprapubic cystostomy after spinal cord injury. Cook JB, et al. **Br J Urol** 48(2):119–21, Apr 76
The effect of chlorhexidine irrigation of the bladder in the rat. Harper WE, et al. **Br J Urol** 47(5):539–43, Oct 75
A new technique to aid catheterization of a traumatized urethral stricture. Heney NM. **J Urol** 114(5):725–9, Nov 75
Experience with non–sterile intermittent self–catheterization. Orikasa S, et al. **J Urol** 115(2):141–2, Feb 76
Treatment of urinary bladder paralysis with small calibre suprapubic drainage. Cook JB, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):245–9, Dec 74
Clean technique for intermittent self–catheterization. Champion VL. **Nurs Res** 25(1):13–8, Jan–Feb 76
Experience with extended use of Foley catheter following repair of the bladder. Rosenberg M. **Surg Gynecol Obstet** 141(5):734–9, Nov 75
An improved aseptic technique for catheterization. Peterson PG. **Trans Pac Coast Obstet Gynecol Soc** 42:70, 1975
Suprapubic tube removal: simple nontraumatic technique. Bard RH. **Urology** 8(1):58, Jul 76
Retrieval of indwelling ureteral stent utilizing Fogarty catheter. Niendorf DC, et al. **Urology** 6(5):622–3, Nov 75
Clean intermittent catheterization for meningomyelocele. Hasham AI, et al. **Wis Med J** 74(10):S117–8, Oct 75
[105 prostatic adenectomies with continuous transvesical aspiration using the Saratoga sound] Luzuy R, et al. **Chirurgie** 101(6):396–8, 30 Apr–7 May 75 (Eng. Abstr.) **(Fre)**
[Extraction of ureteral calculi with Dormia's catheter. Indications and treatment] Lafrance L. **J Urol Nephrol (Paris)** 81(1–2):101–2, Jan–Feb 75 **(Fre)**
[Comparative study of 3 technics of bladder drainage in gynecology] Vigeant J, et al. **Union Med Can** 104(4):590–5, Apr 75 **(Fre)**
[Our experiences with the pull–through nephrostomy] Schülke J, et al. **Z Urol Nephrol** 67(10):783–9, Oct 74 **(Ger)**
[Experiences of non sterile, intermittent self–catheterization (author's transl)] Orikasa S, et al. **Jpn J Urol** 67(1):7–13, Jan 76 (Eng. Abstr.) **(Jpn)**
[Endoscopic treatment of the posterior urethral valves] de Campos–Freire G, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):126–9, Sep–Oct 75 (Eng. Abstr.) **(Por)**

VETERINARY

[Pneumocystography in the dog (author's transl)] Van Gastel–Jansen A. **Tijdschr Diergeneeskd** 100(9):507–8, 1 May 75 **(Dut)**

URINARY DIVERSION

Term pregnancy in a patient with myelomeningocele, uretero–ileostomy, and partial paraparesis. Ellison FE Jr. **Am J Obstet Gynecol** 123(1):33–4, 1 Sep 75
The natural history of the upper renal tracts in adults following ureteroileal diversion (Bricker procedure). Stanley P, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):804–11, Dec 75
Ileal loop ureteroileostomy in patients with neurogenic bladder. Personal experience with 54 patients. Kambouris AA, et al. **Am J Surg** 131(2):224–7, Feb 76
The continent ileostomy and the isolated ileal bladder. Madigan MR. **Ann R Coll Surg Engl** 58(1):62–9, Jan 76
Recurrent transitional cell carcinoma complicating ileal conduit. Allan DM. **Br J Urol** 48(1):60, Feb 76
Experience with the ileal ureter. Amin HA. **Br J Urol** 48(1):19–26, Feb 76
Endoscopy of ureterointestinal conduits and retrograde pyelography. Falkenstein DB, et al. **Gastrointest Endosc** 22(1):24–6, Aug 75
Unlooping the loop. Morton WJ. **J Med Assoc Ga** 65(5):153–4, May 76
Reconstruction of previously diverted urinary tract in children. Carcassonne M, et al. **J Pediatr Surg** 10(5):741–9, Oct 75
Urinary diversion for neurogenic bladder in children. Cass AS. **J Urol** 115(3):314–6, Mar 76
A new surgical procedure for revision of ileal conduit stoma in children. David FR. **J Urol** 115(2):188–90, Feb 76
Long–term radiographic changes of the kidney following the ileal ureter operation. Fritzsche P, et al. **J Urol** 114(6):843–7, Dec 75
Urinary diversion: adjunctive tube gastrostomy. Fromang DL, et al. **J Urol** 115(1):27–8, Jan 76
Histologic appearance of the intestinal urinary conduit. Garner JW, et al. **J Urol** 114(6):854–7, Dec 75
Diagnosis and treatment of a urinary leak after ureteroileal conduit for diversion. Hensle TW, et al. **J Urol** 116(1):29–31, Jul 76
Venacavography, corticosteroids and surgery in the management of idiopathic retroperitoneal fibrosis. Kearney GP, et al. **J Urol** 115(1):32–5, Jan 76
Undiversion: when and how? King LR. **J Urol** 115(3):296–8, Mar 76
Cutaneous ureteroileostomy in the spinal cord injured patient: a 15–year experience. Koziol I, et al. **J Urol** 114(5):709–11, Nov 75
Ileal conduits in children at the Massachusetts General Hospital from 1955 to 1970. Middleton AW Jr, et al. **J Urol** 115(5):591–5, May 76
The add–on ileal loop. Poor P, et al. **J Urol** 114(2):281–4, Aug 75
Vesicorectostomy revisited. Rabinowitz R, et al. **J Urol** 116(1):32–5, Jul 76
Flexible fiberoscopy of urinary conduits. Ramsburgh SR, et al. **J Urol** 116(2):166–8, Aug 76
Ileal conduit urinary diversion in children: computer analysis of followup from 2 to 16 years. Schwarz GR, et al. **J Urol** 114(2):285–8, Aug 75
An unusual complication of pelvic exenteration. Singh K, et al. **J Urol** 116(1):114–5, Jul 76
Reflux into the unused ureter. Teele RL, et al. **J Urol** 115(3):310–3, Mar 76
The neuropathic bladder in childhood: urinary diversion or conservative treatment? Stockamp K. **J Urol Nephrol (Paris)** 80(12 pt 2):295–8, Dec 74
Ostomies: why, how and where. An overview. Watt RC. **Nurs Clin North Am** 11(3):393–404, Sep 76
An ostomy information clinic. A community resource. Yahle ME. **Nurs Clin North Am** 11(3):457–67, Sep 76
Appliances for cutaneous enterostomies. Soop C. **Polim Med** 5(3):267–75, 1975
Stomas in children. Cywes S. **S Afr Med J** 50(21):815–9, 15 May 76
Stomatherapy and the stomatherapist. Stevens PJ, et al. **S Afr Med J** 50(21):805–8, 15 May 76
A modified nephrostomy in the management of urinary fistula after renal transplantation. Kim CH, et al. **Scand J Urol Nephrol** 9(3):269–72, 1975
Exstrophy of the bladder. Fifty years' survival following cystosigmoidostomy. Case report. Lindfors O, et al. **Scand J Urol Nephrol** 9(3):282–4, 1975
Stone disease in urinary diversion. Grimes JH. **South Med J** 68(12):1494–6, Dec 75
Reconstruction of the long diverted urinary tract. Hendren WH. **Surg Annu** 8:335–66, 1976
Complete reconstruction of bladder exstrophy. Experimental program. Arap S, et al. **Urology** 7(4):413–6, Apr 76
Case profile: iatrogenic block of ileoureteral orifice. Pearlman CK, et al. **Urology** 6(5):642, Nov 75
Ileal conduit urinary diversion. Ten–year review. Remigailo RV, et al. **Urology** 7(4):343–8, Apr 76
Transureteroureterostomy for urinary diversion in children. Shapiro SR, et al. **Urology** 8(1):35–8, Jul 76
Letter: Bacterial growth in urine collected in ileal loop receptacles. Young RR. **Urology** 7(5):566, May 76
[Complete obstruction of a silicone ureteral prosthesis] de Leval J, et al. **Acta Urol Belg** 43(1):5–10, Jan 75 **(Fre)**
[Meningomyeloceles and sacral agenesis. Indications for urinary diversion] Bruézière J. **J Urol Nephrol (Paris)** 80(12 pt 2):319–22, Dec 74 **(Fre)**
[Severe sub–pyelic ureteral stenosis following ablation of a calculus in the pyelo– ureteral junction. Total uretero–ileoplasty] Caissel J. **J Urol Nephrol (Paris)** 81(1–2):78–81, Jan–Feb 75 **(Fre)**
[Renal autotransplantation] Lange D. **J Urol Nephrol (Paris)** 81(7–8):600–1, Jul–Aug 75 **(Fre)**
[Neurogenic bladder: urinary diversion or medical treatment?] Stockamp K, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):331, Dec 74 **(Fre)**
[A long standing cystostomy is not a definitive infirmity in the paraplegic (author's transl)] Vacant J. **J Urol Nephrol (Paris)** 81(10–11):793–5, Oct–Nov 75 (Eng. Abstr.) **(Fre)**
[Manometric study of the intestional valve in the continent ileal bladder in dogs] Leisinger HJ, et al.

Helv Chir Acta 43(1-2):191-4, Mar 76 **(Ger)**
[Continent ileal bladder - 1st clinical experiences] Leisinger HJ. **Helv Chir Acta** 43(3):345-9, Jul 76 **(Ger)**
[Pyelonephritis in patients with congenital malformations of the urinary tract after corrective operation and under antibiotic therapy (author's transl)] Straub E, et al. **Monatsschr Kinderheilkd** 124(6):511-8, Jun 76 (Eng. Abstr.) **(Ger)**
[Bladder substitution with continent ileum pouch experimental study on dogs (author's transl)] Sulmoni A, et al. **Urol Int** 30(4):273-81, 1975 (Eng. Abstr.) **(Ger)**
[Late changes in urethras after perineal diversion in childhood] Hörmann D, et al. **Z Urol Nephrol** 68(8):585-92, Aug 75 **(Ger)**
[Ileal conduit in kidney transplantation] Jacob ET, et al. **Harefuah** 88(11):503-6, 1 Jun 75 (Eng. Abstr.) **(Heb)**
[Ileal conduit in pelvic cancer patients (author's transl)] Sagawa S, et al. **Jpn J Urol** 66(11):785-92, Nov 75 (Eng. Abstr.) **(Jpn)**
[The late results of ileal conduit diversion: with a special reference to the survival rate on bladder malignancies (author's transl)] Tazaki H. **Jpn J Urol** 66(8):493-509, Aug 75 (Eng. Abstr.) **(Jpn)**
[Ureterosigmoidostomy using the Godwin procedure] Stefanovici B, et al. **Rev Chir [Chir]** 24(5):387-9, Sep-Oct 75 **(Rum)**
[Replacement of the bladder with isolated intestinal loop] Sitdykov EN, et al. **Vestn Khir** 114(1):103-7, Jan 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Vesico-ureteral reflux following transurethral slitting of the ureteral orifice. Nummi P, et al. **Ann Chir Gynaecol Fenn** 64(4):220-3, 1975
Letter: Ureterosigmoidostomy and cancer: new observations. Harguindey SS, et al. **Ann Intern Med** 83(6):833, Dec 75
Haemorrhage from stomal varices in an ileal conduit. Foulkes J, et al. **Br J Urol** 47(6):630, Dec 75
The management of pyocystis following ileal conduit urinary diversion in children. Stevens PS, et al. **Br J Urol** 47(6):631-3, Dec 75
Ileal conduits in children at the Massachusetts General Hospital from 1955 to 1970. Middleton AW Jr, et al. **J Urol** 115(5):591-5, May 76
Fate of 90 children with ileal conduit urinary diversion a decade later: analysis of complications, pyelography, renal function and bacteriology. Shapiro SR, et al. **J Urol** 114(2):289-95, Aug 75
Neoplasia of the colon: a late complication of ureterosigmoidostomy. Lindsey CM, et al. **South Med J** 69(4):501-4, Apr 76
Late spontaneous rupture of ileal conduit. Khashu BL, et al. **Urology** 6(5):616-7, Nov 75
Retrieval of indwelling ureteral stent utilizing Fogarty catheter. Niendorf DC, et al. **Urology** 6(5):622-3, Nov 75
[The intestinal conduit. Role of infection of an isolated loop and intestino-renal reflux] Strohmenger P. **Acta Urol Belg** 43(4):424-8, Oct 75 (Eng. Abstr.) **(Fre)**
[Infusion therapy in uretero-enterostomy] Stark R, et al. **Infusionstherapie** 2(3):159-62, Jun 75 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Suppression of bacterial growth and ammonia formation by citrate buffer in urine collected in ileal loop receptacles. Brand KG, et al. **Urology** 6(6):738-40, Dec 75

METHODS

Thirteen year experience with ileal loop diversion in children with myelodysplasia. Flanigan RC, et al. **Am J Surg** 130(5):535-8, Nov 75
Follow-up of 13 children after ureterosigmoidostomy. Bakker NJ, et al. **Arch Dis Child** 51(7):544-9, Jul 76
Ileal urinary diversion in patients with Renal transplants. Castro JE, et al. **Br J Urol** 47(6):603-6, Dec 75
The value of intestinal valves in urinary diversion--an experimental study. Knox AJ, et al. **Br J Urol** 47(4):391-7, Aug 75
The long-term management and social consequences of ureterosigmoid anastomosis. McConnell JB, et al. **Br J Urol** 47(6):607-12, Dec 75
The surgical management of tuberculous lower ureteric stricture. O'Boyle PJ, et al. **Br J Urol** 48(2):101-5, Apr 76
Section III: the management of nonintubated cutaneous urinary conduits. de Kernion JB. **Curr Probl Surg** 12(12):45-54, Dec 75
Expansion of bladder capacity by the use of intact sigmoid. An experimental study and two case reports. Proca E, et al. **Int Urol Nephrol** 7(3):191-7, 1975
Ureteroileourethrostomy: 16-year followup. Barry JM, et al. **J Urol** 115(1):29-31, Jan 76
Experience with indwelling ureteral stent catheters. Gibbons RP, et al. **J Urol** 115(1):22-6, Jan 76
Ureterocalicostomy: an alternative to nephrectomy. Hawthorne NJ, et al. **J Urol** 115(5):583-6, May 76
Exstrophy of the bladder--an alternative method of management. Hendren WH. **J Urol** 115(2):195-202, Feb 76 (24 ref.)
Study on use of isolated segment of ileum in urological plastic operation. Horiuchi S, et al. **J Urol** 114(6):848-53, Dec 75
Management of severe hydroureteronephrosis in infants and young children. Saalfield JG, et al. **J Urol** 115(5):587-90, May 76
Permanent nephrostomy via percutaneous puncture. Stables DP, et al. **J Urol** 114(5):684-7, Nov 75
Ureteroneocystostomy by means of a modified triangular flap method. Taguchi H, et al. **J Urol** 114(5):705-8, Nov 75
Long-term results of cutaneous omento-ureterostomy. Winter CC. **J Urol** 116(3):311-2, Sep 76
A new method for percutaneous nephrostomy. Burnett LL, et al. **Radiology** 120(3):557-61, Sep 76
Urinary diversion and undiversion in children. Hendren WH. **Surg Clin North Am** 56(2):425-49, Apr 76
The ileocecal segment. An antirefluxing colonic conduit form of urinary diversion. Zinman L, et al. **Surg Clin North Am** 56(3):733-42, Jun 76
Use of the colon as a conduit for urinary diversion. Altwein JE, et al. **Surg Gynecol Obstet** 140(1):33-8, Jan 75
Percutaneous nephrostomy: techniques, indications, and results. Fowler JE Jr, et al. **Urology** 6(4):428-34, Oct 75
Ileal conduit surgery with a nippled ureteroileal anastomosis. Patil U, et al. **Urology** 7(6):594-7, Jun 76
Simplified experimental ureteroneocystostomy. Texter JH Jr, et al. **Urology** 7(1):21-3, Jan 76
Ureteroureterostomy and unilateral nephrostomy. Alternate rapid method of diversion. Wechsler M, et al. **Urology** 7(4):366-8, Apr 76
[Endoscopy of ileal graft] Leisinger HJ, et al. **Helv Chir Acta** 42(3):375-8, Jun 75 **(Fre)**
[Urinary diversion in neurogenic bladder] Beurton D, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):302-9, Dec 74 **(Fre)**
[Late results of ileo-cysto-plasty (author's trans)] Durand L, et al. **J Urol Nephrol (Paris)** 81(1-2):1-13, Jan-Feb 75 (Eng. Abstr.) **(Fre)**
[Neo-bladder made from the rectum in surgical cure of uro-genital malformations (author's transl)] Nédelec M, et al. **J Urol Nephrol (Paris)** 81(7-8):481-96, Jul-Aug 75 (Eng. Abstr.) **(Fre)**
[Sigmoido-procto-ureterostomy. Urinary diversion technic] Tramoyeres Celma A, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):540-5, Dec 74 **(Fre)**
[Urinary diversion through isolated bowel segments (author's transl)] Strohmenger P, et al. **Langenbecks Arch Chir** 340(2):91-9, 17 Nov 75 (Eng. Abstr.) **(Ger)**
[Indications for cutaneous ureterostomy. Experience with 117 cases (author's transl)] Wagner W, et al. **Urologe [A]** 14(5):213-6, Sep 75 (Eng. Abstr.) **(Ger)**
[Supravesical urinary diversion as based on gynecological indications] Michalowski E, et al. **Zentralbl Gynaekol** 97(6):321-332, 1975 (Eng. Abstr.) **(Ger)**
[Use of autogenous reactive connective tissue for plastic surgery of the bladder (experimental studies)] Wiel Marin A, et al. **Chir Patol Sper** 23(5):300-14, Oct 75 (Eng. Abstr.) **(Ita)**
[Abnormalities of oxalate metabolism and urinary lithiasis. III. Urinary oxalate excretion after the replacement of ureteral defects by ileal segments (author's transl)] Ito H, et al. **Jpn J Urol** 67(5):318-20, May 76 (Eng. Abstr.) **(Jpn)**
[Ileocolic conduit (author's transl)] Kashiwai K, et al. **Jpn J Urol** 67(3):172-7, Mar 76 (Eng. Abstr.) **(Jpn)**
[Studies on the urinary tract substitution: long-term observations on 107 cases of colocystoplasty (author's transl)] Omoto T. **Jpn J Urol** 66(6):341-62, Jun 75 (Eng. Abstr.) **(Jpn)**
[Use of ureterocutaneostomy in suprapubic urinary diversion in patients with inoperable bladder and uterus neoplasms] Musierowicz A, et al. **Pol Przegl Chir** 47(11A):1455-7, Nov 75 (Eng. Abstr.) **(Pol)**
[Ureterosigmoidostomy using the Godwin procedure] Stefanovici B, et al. **Rev Chir [Chir]** 24(5):387-9, Sep-Oct 75 **(Rum)**
[Supravesical urinary diversion in children with obstructive uropathy] Doletskiĭ SIa, et al. **Urol Nefrol (Mosk)** (3):48-52, May-Jun 75 (Eng. Abstr.) **(Rus)**

NURSING

Urinary diversion. Select aspects of nursing management. Chezem JL. **Nurs Clin North Am** 11(3):445-56, Sep 76
Symposium on care of the ostomy patient. Foreword. Dudas S. **Nurs Clin North Am** 11(3):389-91, Sep 76
Development of an enterostomal therapy education program. Hilkemeyer R, et al. **Nurs Clin North Am** 11(3):469-78, Sep 76
Cancer and the ostomy patient. Rush AM. **Nurs Clin North Am** 11(3):405-15, Sep 76

URINARY FISTULA

A case report: salpingoureteral fistula. Keegan GT, et al. **J Urol** 115(2):218-9, Feb 76
[The diagnosis and therapy of urethro-vaginal fistulas] Richter K, et al. **Gynaekol Rundsch** 15(4):292-300, 1975 **(Ger)**
[Urinary fistulas] Zingg EJ. **Gynaekol Rundsch** 15 suppl 1:99-104, 1975 **(Ger)**
[Gastrointestinal fistulae of the upper urinary tract (author's transl)] Bülow H, et al. **Urologe [A]** 15(4):173-5, Jul 76 (Eng. Abstr.) **(Ger)**
[Uretero-uterine fistulas] Galka M, et al. **Ginekol Pol** 46(9):989-94, Sep 75 (Eng. Abstr.) **(Pol)**
[Uretero-vaginal fistulas] Kan DV. **Sov Med** (7):60-2, Jul 75 **(Rus)**

COMPLICATIONS

Spontaneous rupture of an iliac artery aneurysm into a ureter: a case report and review of the literature. Rennick JM, et al. **J Urol** 116(1):111-3, Jul 76
Experiences with 16 cases of pararenal pseudocyst. Thompson IM, et al. **J Urol** 116(3):289-92, Sep 76
[Urethrovaginal fistulas with urinary incontinence] Held E. **Gynaekol Rundsch** 15 suppl 1:96-8, 1975 **(Ger)**
[Renal-large intestine fistula] Dronov VP. **Urol Nefrol (Mosk)** (6):56, Nov-Dec 75 **(Rus)**

CONGENITAL

Congenital urethral fistula. Case reports. Olbourne NA. **Plast Reconstr Surg** 57(2):237-9, Feb 76

DIAGNOSIS

[Letter: Unilateral amylasuria] Benhamou G, et al. **Nouv Presse Med** 4(32):2334, 4 Oct 75 **(Fre)**
[Unusual case of an asymptomatic ureteroduodenal fistula] Aus der Urologischen Klinik des Städtischen Krankenhauses Neuköln, Berlin-West.. **Z Urol Nephrol** 68(10):757-8, Oct 75 **(Ger)**

ETIOLOGY

Ureterovaginal fistula as a complication of radical pelvic surgery. Macasaet MA, et al. **Am J Obstet Gynecol** 124(7):757-60, 1 Apr 76
Urologic complications following abdominoperineal resection of the rectum. Andersson A, et al. **Arch Surg** 111(9):969-71, Sep 76
Silicone rubber casts of the distal urethra in studying fistula formation and other hypospadias problems. Townsend PL. **Br J Plast Surg** 28(4):320-3, Oct 75
Duodenal and common bile duct obstruction with a pyelo-duodenal fistula caused by renal calculous pyonephrosis. Boardman KP. **Br J Urol** 48(1):6, Feb 76
Blunt ureteral trauma with perineal urine fistulization: review of the literature. Wallijn E, et al. **J Urol** 114(6):942-5, Dec 75
[Retroperitoneal effusion of urine. A rare complication of surgical treatment of calculi of the lumboiliac ureter] Dufour B, et al. **J Urol Nephrol (Paris)** 81(1-2):72-6, Jan-Feb 75 **(Fre)**
[Ureter-uterus fistula after abortion] Hardt W, et al. **Z Urol Nephrol** 68(10):761-4, Oct 75 **(Ger)**

RADIOGRAPHY

Spontaneous nephro-duodenal fistula. Geisse G, et al. **J Can Assoc Radiol** 27(2):118-21, Jun 76
Peripelvic extravasation, urinoma formation and tumor obstruction of the ureter. Twersky J, et al. **J Urol** 116(3):305-7, Sep 76
[The spontaneous pyelocolonic fistula. A report of a rare case of spontaneous pyelocolonic fistula] Bischoff W. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):586-7, Dec 75 **(Ger)**

SURGERY

Management of urinary fistulas after renal transplantation. Schiff M Jr, et al. **J Urol** 115(3):251-6, Mar 76
A modified nephrostomy in the management of urinary fistula after renal transplantation. Kim CH, et al. **Scand J Urol Nephrol** 9(3):269-72, 1975
Management of postoperative fistula of upper urinary tract. Hildreth T, et al. **Urology** 7(3):264-5, Mar 76
[One-stage closure of an urethral fistula using a scrotal flap] Carre JL. **Ann Chir Plast** 19(4):369-72, 1974 (Eng. Abstr.) **(Fre)**
[Surgery of urinary fistulas from the urologist's viewpoint] Hohenfellner R. **Arch Gynaekol** 219(1-4):216-8, 18 Nov 75 **(Ger)**
[Surgery from the gynecologists' viewpoint] Käser O. **Arch Gynaekol** 219(1-4):213-5, 18 Nov 75 **(Ger)**
[A new procedure for the partial reconstruction of the male urethra] Alexandru T, et al. **Z Urol Nephrol** 67(9):693-6, Sep 74 **(Ger)**
[Rotation plasty in the surgical treatment of acquired penile urethral fistulas and abnormalities] Wandschneider G. **Z Urol Nephrol** 68(10):727-33, Oct 75 **(Ger)**
[Endoscopic treatment of uretero-vaginal fistulae] Sesia G, et al. **Minerva Urol** 27(6):262-7, Nov-Dec 75 (Eng. Abstr.) **(Ita)**
[Surgical treatment of urethro-rectal fistulas in children] Dzhavad-zade MD, et al. **Vestn Khir** 116(3):102-5, Mar 76 **(Rus)**
[Dittel's operation in treatment of certain forms of urogenital fistula in women] Nazarian AA. **Zh Eksp Klin Med** 15(3):101-6, 1975 **(Rus)**

THERAPY

The management of urinary fistulae following cadaveric renal transplantation. Brockis JG, et al. **Br J Urol** 47(4):371-5, Aug 75
Intravenous hyperalimentation in the treatment of difficult urologic problems. Blath RA, et al. **South Med J** 68(11):1366-8, Nov 75

VETERINARY

Surgical repair of a fistula of the urethral diverticulum in a horse. Munger RJ, et al. **Vet Med Small Anim Clin**

71(1):96, Jan 76
Surgical repair of a fistula of the urethral diverticulum in a horse. Munger RJ, et al. **Vet Med Small Anim Clin** 71(3):312–5, Mar 76

URINARY INCONTINENCE

A dampness detector for use with incontinent patients. Ball JA, et al. **Br Med J** 3(5981):466–7, 23 Aug 75
Incontinence. Mandelstam DA. **Physiotherapy** 62(6):182–4, Jun 76
A concept of urinary continence. Enhorning GE. **Urol Int** 31(1–2):3–5, 1976
Detection of urine loss using the Exeter recording nappy and other similar devices. Rowan D, et al. **Urol Int** 31(1–2):70–7, 1976
[Social supportive measures in urinary incontinence and urostomy] Hebjorn S, et al. **Ugeskr Laeger** 137(50):3003–6, 8 Dec 75 (Eng. Abstr.) **(Dan)**
[Urinary incontinence in women. Urodynamic and radiological classification] Walter S, et al. **Ugeskr Laeger** 137(50):2973–8, 8 Dec 75 (Eng. Abstr.) **(Dan)**
[Stress incontinence and urethral syndrome in women] Susset J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):287–90, 1972 **(Fre)**
[Urge incontinence] von Rütte B. **Gynaekol Rundsch** 15 suppl 1:66–74, 1975 **(Ger)**
[Function of the lower urinary tract. Standardization of the terminology of incontinence, cystometry, urethrae pressure profile and of units of measurement] Bates P, et al. **Urologe [A]** 15(2):93–6, Mar 76 **(Ger)**

COMPLICATIONS

Continence, friends, marriage and children in 51 adults with spina bifida. Laurence KM, et al. **Dev Med Child Neurol [Suppl]** (35):123–8, 1975

DIAGNOSIS

Simultaneous urethrocystometry and urethra pressure profile measurement with a new technique. Asmussen M, et al. **Acta Obstet Gynecol Scand** 54(4):385–6, 1975
[Urinary incontinence in women. A material and a programme of investigation] Hejl BL, et al. **Ugeskr Laeger** 138(29):1771–3, 12 Jul 76 (Eng. Abstr.) **(Dan)**
[Objectivization of the surgical effect in incontinence surgery using sphincterometry] Altmann P, et al. **Arch Gynaekol** 219(1–4):232–3, 18 Nov 75 **(Ger)**
[Current status of incontinence diagnosis in the female] Cassani S. **Arch Gynaekol** 219(1–4):194–7, 18 Nov 75 **(Ger)**
[Extended clarification program before incontinence surgery] Schreiter F. **Arch Gynaekol** 219(1–4):200–1, 18 Nov 75 **(Ger)**
[CO2-urethroscopy for the evaluation of female urinary incontinence] Wrage D, et al. **Arch Gynaekol** 219(1–4):227–8, 18 Nov 75 **(Ger)**

DRUG THERAPY

Hormone implants for urinary disorders in postmenopausal women. Schleyer-Saunders E. **J Am Geriatr Soc** 24(8):337–9, Aug 76
The concentration of trimethoprim and sulphamethoxazole in the urine and serum of incontinent patients undergoing long-term treatment. Brandberg A. **Scand J Infect Dis [Suppl]** (8):54–5, 1976

ETIOLOGY

Youssef's syndrome. Netto NR Jr, et al. **Int Urol Nephrol** 7(2):115–8, 1975
Normal pressure hydrocephalus and urinary incontinence. Leschey WH Jr, et al. **J Maine Med Assoc** 67(6):152–8, Jun 76
Urinary continence after repair of membranous urethral stricture in prostatectomized patients. Colapinto V, et al. **J Urol** 115(4):392–6, Apr 76
Incontinence of urine in women. Warrell DW. **Nurs Times** 71(37):1470–3, 11 Sep 75
Detrusor hyperreflexia. A survey on its etiology and treatment. Hebjorn S, et al. **Scand J Urol Nephrol** 10(2):103–9, 1976
Postpartum onset of urinary incontinence associated with ureteral ectopia. Benson RC Jr, et al. **Urology** 7(1):53–6, Jan 76
['You have to learn to live with it?' Incontinence caused by bladder fistula] Haspels AA. **Ned Tijdschr Geneeskd** 120(4):129–32, 24 Jan 76 **(Dut)**
[Urinary incontinence in para- and tetraplegics] François N, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):267–76, Dec 74 **(Fre)**
[Urinary incontinence following excercise in a woman] Pontonnier F, et al. **J Urol Nephrol (Paris)** 81(7–8):592–7, Jul–Aug 75 **(Fre)**
[Physiology of miction and etiology of urinary incontinence] Beck L. **Arch Gynaekol** 219(1–4):191–3, 18 Nov 75 **(Ger)**
[Detrusor disorders and unstable bladder] Haag B. **Gynaekol Rundsch** 15 suppl 1:75–8, 1975 **(Ger)**
[Urethrovaginal fistulas with urinary incontinence] Held E. **Gynaekol Rundsch** 15 suppl 1:96–8, 1975 **(Ger)**
[Bladder disorders in space-requiring spinal processes] Nau HE, et al. **Nervenarzt** 47(6):388–91, Jun 76 **(Ger)**
[Affect and bladder incontinence. A contribution to Birkmayer's affective-vegetative stimulation and exhaustion syndrome] Harrer VG. **Wien Med Wochenschr** 125(21):341–4, 23 May 75 **(Ger)**
[Urinary incontinence due to malformations] Aveta G, et al. **Minerva Urol** 27(6):277–83, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

OCCURRENCE

[Incidence of urinary incontinence in Denmark] Hald T. **Ugeskr Laeger** 137(50):3001–3, 8 Dec 75 (Eng. Abstr.) **(Dan)**
[Letter: Incidence of urinary incontinence] Johnsen O. **Ugeskr Laeger** 138(7):451–3, 9 Feb 76 **(Dan)**
[Letter: Occurence of urinary incontinence] Johnsen O. **Ugeskr Laeger** 138(13):833, 22 Mar 76 **(Dan)**

PHYSIOPATHOLOGY

Morphology and function of the bladder and urethra in female urinary incontinence. Olesen KP, et al. **Int Urol Nephrol** 7(4):303–13, 1975
Combined cystometry and perineal electromyography in the diagnosis and treatment of neurogenic urinary incontinence. Diokno AC, et al. **J Urol** 115(2):161–3, Feb 76
Electromyography of the detrusor muscle. Doyle PT, et al. **J Urol** 114(2):208–12, Aug 75
Editorial: Urodynamics of post-prostatectomy incontinence. Raz S, et al. **Urol Res** 4(2):447–8, 23 Jul 76

PREVENTION & CONTROL

Aspects of geriatric care. Colis K. **Nurs Times** 72(28):suppl:xiv, xvi, 15 Jul 76
Promoting urinary continence in the elderly in hospital. Wells T. **Nurs Times** 71(48):1908–9, 27 Nov 75
Anterior bladder tube in radical retropubic prostatectomy. Schoenberg HW, et al. **Urology** 7(5):495–6, May 76
[Urinary continence after radical prostatectomy: the urodynamic proof of an anatomical hypothesis (author's transl)] Hauri D, et al. **Urol Int** 31(3):145–64, 1976 (Eng. Abstr.) **(Ger)**
[Indications and technics of continence-preserving surgery in rectal carcinoma located in the upper part of the rectum] Kiene S, et al. **Zentralbl Chir** 101(9):520–7, 1976 **(Ger)**

RADIOGRAPHY

[Proceedings: Behavior of the female pelvic organs in the radiography picture of urinary insufficiency] Kümper HJ, et al. **Arch Gynaekol** 219(1–4):230, 18 Nov 75 **(Ger)**
[Urethrocystography in female urinary incontinence] Munoz M, et al. **Arch Gynaekol** 219(1–4):224–5, 18 Nov 75 **(Ger)**
[Value of colpocystography for the diagnosis of incontinence] Fischer W, et al. **Zentralbl Gynaekol** 97(20):1224–32, 1975 (Eng. Abstr.) **(Ger)**

REHABILITATION

Proceedings: A simple artificial sphincter. Rosen M. **Br J Urol** 48(2):154, Apr 76

SURGERY

Roentgenologic evaluation of a new prosthetic sphincter for the treatment of urinary incontinence. Silver TM, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):479–85, Oct 75
Thirteen year experience with ileal loop diversion in children with myelodysplasia. Flanigan RC, et al. **Am J Surg** 130(5):535–8, Nov 75
Treatment of post-prostatectomy urinary incontinence with heterologous bone implant. Nummi P. **Ann Chir Gynaecol Fenn** 64(5):307–9, 1975
Artifical urinary sphincter. Patterson D, et al. **Can Nurse** 71(11):27–31, Nov 75
Management of the uninhibited bladder by selective sacral neurectomy. Torrens MJ, et al. **J Neurosurg** 44(2):176–85, Feb 76
Male incontinence: relationship of physiology to surgery. Hinman F. **J Urol** 115(3):274–6, Mar 76
Further experience with the Young-Dees procedure for urinary incontinence in selected cases. Middleton RG. **J Urol** 115(2):159–60, Feb 76
Use of the Leadbetter anti-incontinence procedure in children. Resnick MI, et al. **J Urol** 116(3):366–8, Sep 76
The implantable artificial genitourinary sphincter in the management of total urinary incontinence. Furlow WL. **Mayo Clin Proc** 51(6):341–5, Jun 76
Passive urethral compression with a silicone gel prosthesis for the treatment of male urinary incontinence. Kaufman JJ, et al. **Mayo Clin Proc** 51(6):373, Jun 76
Free fascial sling to correct urinary incontinence after prostatic surgery. Results of eight operated patients. Pettersson S. **Scand J Urol Nephrol** 9(1):24–7, 1975
Another look at Pereyra's stint urethropexy. Duggan ML. **South Med J** 68(11):1381–4, Nov 75
Treatment of urinary incontinence by the Scott-Bradley-Timm artificial sphincter. A report of eight cases. Hald T, et al. **Urol Res** 3(3):133–7, 29 Oct 75
[Surgical treatment of postoperative incontinence in men, with the contribution of 2 cases] Atanasov N, et al. **Khirurgiia (Sofiia)** 28(2):188–91, 1975 (Eng. Abstr.) **(Bul)**
[Repeated method operations in recurrent urinary incontinence (author's transl)] Balák K. **Cesk Gynekol** 41(3):209–10, May 76 (Eng. Abstr.) **(Cze)**
[Neurogenic urinary incontinence treated with an implantable artificial sphincter] Hald T, et al. **Ugeskr Laeger** 137(50):2982–5, 8 Dec 75 (Eng. Abstr.) **(Dan)**
[Urinary incontinence in women treated with colposuspension. Clinical, urodynamic and radiological assessment] Walter S, et al. **Ugeskr Laeger** 137(50):2979–81, 8 Dec 75 (Eng. Abstr.) **(Dan)**
[Marshall-Marchetti-Krantz operation in urinary incontinence in women] Darmaillacq R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):295–6, 1972 **(Fre)**
[Critical study of cervicocystopexy in urinary incontinence. Apropos of 94 cases] Zurlinden B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):297–8, 1972 **(Fre)**
[Analysis of failures of incontinence surgery] Dreher E. **Arch Gynaekol** 219(1–4):210–2, 18 Nov 75 **(Ger)**
[Long-term controls following inguino-vaginal loop surgery] Georgiades E, et al. **Arch Gynaekol** 219(1–4):246–8, 18 Nov 75 **(Ger)**
[Minimal clarification program before incontinence surgery] Haag B. **Arch Gynaekol** 219(1–4):198–9, 18 Nov 75 **(Ger)**
[Poly-Urethro-cystography as documentation of surgical correction] Pechel E. **Arch Gynaekol** 219(1–4):225–7, 18 Nov 75 **(Ger)**
[Urography and radioisotope nephrography before and after typical gynecologic operations] Rauskolb R. **Arch Gynaekol** 219(1–4):230–2, 18 Nov 75 **(Ger)**
[The Marshall-Marchetti-Krantz technic for urinary incontinence surgery--follow-up studies after 9–17 years] Ross HG. **Arch Gynaekol** 219(1–4):244–6, 18 Nov 75 **(Ger)**
[Loop operations] Berger M. **Gynaekol Rundsch** 15 suppl 1:86–9, 1975 **(Ger)**
[Franz' puborectal plastic surgery, an alternative to the combined loop operations] Bodinbauer J, et al. **Gynaekol Rundsch** 15 suppl 1:108–12, 1975 **(Ger)**
[Results after surgical treatment of urinary incontinence] Dreher E. **Gynaekol Rundsch** 15 suppl 1:80–5, 1975 **(Ger)**
[Proceedings: Surgical treatment of severe 2nd grade urinary incontinence] Hochuli E. **Gynaekol Rundsch** 15 suppl 1:79, 1975 **(Ger)**
[Round-table discussion on plastic and reconstructive surgery servicing function. Sexual function, urninary and fecal incontinence] **Langenbecks Arch Chir** 339:459–60, Nov 75 **(Ger)**
[Development of an implantable artificial urinary sphincter (author's transl)] Timm GW, et al. **Urologe [A]** 15(4):176–9, Jul 76 (Eng. Abstr.) **(Ger)**
[Incontinency alvi et urinae. Treatment by means of double transplantation of m. gracilis] Arneri V. **Med Pregl** 28(11–12):455–7, 1975 **(Ser)**

THERAPY

Prolonged bladder distension in the treatment of the unstable bladder. Whitfield HN, et al. **Br J Urol** 47(6):635–9, Dec 75
Electronic monitoring of urinary incontinence in the elderly. Willington FL, et al. **Br Med J** 2(6028):152, 17 Jul 76
Behavior therapy of incontinence in demented inpatients. Pollock DD, et al. **Gerontologist** 14(6):488–91, Dec 74
Endovesical electrotherapy in treatment of urinary incontinence in spina-bifida patients. Nicholas JL, et al. **Lancet** 2(7948):1276–7, 27 Dec 75
A behavioral therapy approach to bladder retraining. Maney JY. **Nurs Clin North Am** 11(1):179–88, Mar 76
Treatment of incontinence by electrical stimulation. Eckstein HB. **Nurs Times** 71(36):1423–4, 4 Sep 75
Controlling incontinence among geriatric patients. A pilot study made in a state mental hospital. Chambers WR, et al. **Ohio State Med J** 72(3):157–9, Mar 76
A critical look at incontinence radio-implants. Alexander S. **Urol Int** 31(1–2):129–33, 1976
Maximum perineal stimulation for urinary incontinence. Glen ES, et al. **Urol Int** 31(1–2):134–6, 1976
Selection of patients with urinary incontinence for application of functional electrical stimulation. Godec C, et al. **Urol Int** 31(1–2):124–8, 1976
Adjustable nonimplantable electrical stimulators for correction of urinary incontinence. Suhel P. **Urol Int** 31(1–2):115–23, 1976 (16 ref.)
Electrical stimulation for incontinence. Technique, selection, and results. Godec C, et al. **Urology** 7(4):388–97, Apr 76
Urinary incontinence: management with electronic stimulation of muscles of pelvic floor. Sotiropoulos A. **Urology** 6(3):312–8, Sep 75
[Pathogenetic treatment of urinary incontinence in women] Gavriliuk NA, et al. **Vrach Delo** (2):106–8, Feb 74 (Eng. Abstr.) **(Rus)**

VETERINARY

Urinary incontinence due to unilateral ureteral ectopia in a foal. Ordidge RM. **Vet Rec** 98(19):384, 8 May 76

URINARY INCONTINENCE, STRESS

[Stress urinary incontence] **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):233–60,

1972 **(Fre)**

[Urinary stress incontinence in women. Apropos of 70 cases] Anger D. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):284–7, 1972 **(Fre)**

[Stress incontinence and urethral syndrome in women] Susset J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):287–90, 1972 **(Fre)**

[Stress incontinence in the woman (author's transl)] Ziegler M, et al. **Langenbecks Arch Chir** 339:447–50, Nov 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Letter: Detrusor dyssynergia. Seski JC. **Am J Obstet Gynecol** 125(2):279–80, 15 May 76

Urodynamic assessment of stress incontinence and its therapeutic implications. Susset JG, et al. **Surg Gynecol Obstet** 142(3):343–52, Mar 76

[Urinary incontinence examination with position cystography and urethrometry] Baumann JM. **Helv Chir Acta** 42(3):379–85, Jun 75 **(Ger)**

DRUG THERAPY

Stress incontinence: conservative therapy with sympathomimetic drugs. Stewart BH, et al. **J Urol** 115(5):558–9, May 76

[Double blind study of alpha-tocopherol in urinary stress incontinence] Lecart C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):276–7, 1972 **(Fre)**

ETIOLOGY

[Personal experience with patients in climacteric and post-climacteric] Uyttenbroeck F. **Verh K Acad Geneeskd Belg** 37(4):153–85, 1975 (Eng. Abstr.) **(Dut)**

[Ureteral ectopia as an unrecognized cause of stress incontinence in women] De Sy W, et al. **Acta Urol Belg** 42(4):414–7, Oct 74 (Eng. Abstr.) **(Fre)**

[Cystoptosis and continence. Critical analysis apropos of 250 colpocystograms] Blanc R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):261–3, 1972 **(Fre)**

[Postpartum urinary incontinence] Ruf H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):274–7, 1972 **(Fre)**

[Multiple etiology of stress incontinence] Susset JG, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):480–4, Dec 74 **(Fre)**

PATHOLOGY

The suspensory apparatus of the female bladder neck. Olesen KP, et al. **Urol Int** 31(1–2):33–7, 1976

PHYSIOPATHOLOGY

Functional and tonometrical investigation of bladder and urethra in patients with stress incontinence. Radej M, et al. **J Urol** 115(5):551–4, May 76

Editorial: Urinary incontinence. An editorial comment. Low JA. **Obstet Gynecol** 47(3):367–8, Mar 76

Stress Urinary Incontinence. McGuire EJ, et al. **Obstet Gynecol** 47(3):255–64, Mar 76

Detrusor activity and outflow resistance in stress incontinence. Palmtag H, et al. **Urol Int** 31(1–2):100–7, 1976

Model of the proximal urethra: measurement of the urethral stress profile. Plevnik S. **Urol Int** 31(1–2):23–32, 1976

RADIOGRAPHY

[Critical study of pre- and postoperative urethrocystography] Lecart C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):279–80, 1972 **(Fre)**

SURGERY

The Pereyra procedure. Favorable experience with 200 operations. Backer MH Jr, et al. **Am J Obstet Gynecol** 125(3):346–52, 1 Jun 76

The effect of internal urethrotomy and urethral dilatation on the postoperative course of patients undergoing surgery for stress incontinence. Moolgaoker AS, et al. **Br J Obstet Gynaecol** 83(6):484–8, Jun 76

Recurrent stress incontinence of urine: preoperative assessment and surgical management. Lee RA. **Clin Obstet Gynecol** 19(3):661–71, Sep 76

Vesical neck suspension under vision with cystotomy enhances treatment of female incontinence. Gleason DM, et al. **J Urol** 115(5):555–7, May 76

Pathophysiology of the urethral compression operation: the use of silicone gel prostheses. Raz S, et al. **J Urol** 115(4):435–8, Apr 76

Unilateral and bilateral bladder neck suspension (modified Pereyra) operation for stress urinary incontinence. Winter CC. **J Urol** 116(1):47–8, Jul 76

Treatment of urinary stress incontinence. Use of dermal graft in the sling procedure. Pelosi MA, et al. **Obstet Gynecol** 47(3):377–9, Mar 76

Anterior urethropexy according to Lapides in stress urinary incontinence. A follow-up study. Sundin T, et al. **Scand J Urol Nephrol** 9(1):28–31, 1975

Abdominal urethropexy: Vesicourethrolysis vs Marshall-Marchetti-Krantz procedure. Callaghan PE. **South Med J** 68(10):1231–3, Oct 75

Successful management of female stress urinary incontinence. Quattlebaum RB Jr. **Urology** 7(5):501–3, May 76

[Aponeurotic suspension of the bladder cervix: how much tension should be put on the sling and how should this be measured (author's transl)] de Backer E, et al. **Acta Chir Belg** 74(2):212–9, Mar 75 (Eng. Abstr.) **(Fre)**

[Return of bladder function after operations for incontinence. Value of the 'minicystostomy'] Dargent D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):263–6, 1972 **(Fre)**

[Results of the use of estriol in vaginoplasties (post-menopause)] Gnafakis N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):1019–28, Nov—Dec 73 (Eng. Abstr.) **(Fre)**

[Ligamento-pubic fixation and its value in urinary incontinence associated with prolapse] Laffont A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):293–4, 1972 **(Fre)**

[Suspension of the vagina to the pyramidalis muscles. Modification of the Marhall-Marchetti operation] Parent B. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):553–60, Jul-Aug 73 (Eng. Abstr.) **(Fre)**

[Marshall-Marchetti operation and variant. Results of the Maternité de Port-Royal (69 cases)] Parent B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):292–3, 1972 **(Fre)**

[Modification of the Marshall-Marchetti technic. Suspension of the vagina to the pyramidal muscles] Parent B. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):290–3, 1972 **(Fre)**

[Anatomy of the retropubic space and relations of the vesico-urethral junction in women. Deductions to be drawn from them for retropubic suspensions of the bladder neck] Scali P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):266–8, 1972 **(Fre)**

[Technic and results of cervico-cystopexies by retro-pubic suspension with the aid of bandelettes of synthetic material] Scali P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):269–74, 1972 **(Fre)**

[Treatment of urinary stress incontinence in women by suprapubic urethro-cystopexy with parietial fixation] Schockaert JA, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):277–9, 1972 **(Fre)**

[Respective values of Marion's operation and cervicopexy by Pereyra's technic in the surgical treatment of prolapse] Schumacher JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):282–4, 1972 **(Fre)**

[Indications, results, and complications of the Marshall-Marchetti operation in the treatment of urinary stress incontinence] Schumacher JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):280–2. 1972 **(Fre)**

[Simplified indirect colpocystopexy using a mersylene strip. Therapeutic results in stress urinary incontinence] Loffredo V, et al. **Nouv Presse Med** 5(15):993–5, 10 Apr 76 **(Fre)**

[Surgical procedure in stress incontinence] Beck L. **Arch Gynaekol** 219(1–4):208–9, 18 Nov 75 **(Ger)**

[Apparative and clinical control following Pereyra's technic for incontinence surgery] Dreher E, et al. **Arch Gynaekol** 219(1–4):233–4, 18 Nov 75 **(Ger)**

[Experience with the dura sling in incontinence surgery] Haag B, et al. **Arch Gynaekol** 219(1–4):248–9, 18 Nov 75 **(Ger)**

[Indication and results of typical incontinence operations in severe incontinence grade II] Hochlui E, et al. **Arch Gynaekol** 219(1–4):243–4, 18 Nov 75 **(Ger)**

[Incontinence surgery using a skin flap. Methods and results] Wenner R, et al. **Arch Gynaekol** 219(1–4):249–50, 18 Nov 75 **(Ger)**

[The importance of an additional retropubic urethroply by the pereyra or the Marshall-Marchetti-Krantz method in the primary operative treatment of stress incontinence involving rotational descent of the urethra (author's transl)] Gaudenz R. **Geburtshilfe Frauenheilkd** 36(5):393–401, May 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Longterm results after surgery of pure stress incontinence] Bühring H, et al. **Gynaekol Rundsch** 15 suppl 1:113–4, 1975 **(Ger)**

[Surgical correction of the stress incontinence in the woman by Marschall-Marchetti-Krantz's method] Rost A, et al. **Z Urol Nephrol** 68(10):751–5, Oct 75 **(Ger)**

[Results of surgical treatment of descensus and urinary incontinence by means of selective abdomino-vaginal technic] Kolmorgen K, et al. **Zentralbl Gynaekol** 98(6):321–9, 1976 (Eng. Abstr.) **(Ger)**

[Data on surgical technic in stress urinary incontinence] Cappello F, et al. **Minerva Ginecol** 27(9):722–32, Sep 75 (Eng. Abstr.) **(Ita)**

[Importance of clinical and radiological evaluation in the choice of correct surgical treatment in incontinence due to urinary stress] Rubino SM. **Minerva Ginecol** 27(8):579–91, Aug 75 (Eng. Abstr.) **(Ita)**

[Results of surgical treatment of stress urinary incontinence by means of Ingelman-Sundberg operation] Fryczkowski M, et al. **Ginekol Pol** 47(1):67–71, Jan 76 (Eng. Abstr.) **(Pol)**

[Treatment of stress urinary incontinence by urethral suspension from the common tendon] Bravo Sandoval J. **Ginecol Obstet Mex** 40(237):65–9, Jul 76 (Eng. Abstr.) **(Spa)**

[Vaginal surgery in stress urinary incontinence. Evaluation of results] González Luna D, et al. **Ginecol Obstet Mex** 39(234):297–303, Apr 76 (Eng. Abstr.) **(Spa)**

THERAPY

Electro-acupuncture's influence on the closure mechanism of the female urethra in incontinence. Kubista E, et al. **Am J Chin Med** 4(2):177–81, Summer 76

Results in treating 210 patients with detrusor overactivity incontinence of urine. Beck RP, et al. **Am J Obstet Gynecol** 125(5):593–6, 1 Jul 76

Management of stress incontinence in women. Moolgaoker AS. **Geriatrics** 31(6):60–4, Jun 76

Electrotherapy and exercises for stress incontinence and urinary frequency. McQuire WA. **Physiotherapy** 61(10):305–7, Oct 75

A critical look at incontinence radio-implants. Alexander S. **Urol Int** 31(1–2):129–33, 1976

Reflex electrical stimulation for urinary incontinence. Rakovec S. **Urol Int** 31(1–2):111–23, 1976

[The influence of electric acupuncture on the closing mechanism of the female urethra in cases of stressincontinence (author's transl)] Kubista E, et al. **Geburtshilfe Frauenheilkd** 35(9):705–9, Sep 75 (Eng. Abstr.) **(Ger)**

[Letter: Stress incontinence in women] Ulmsten U. **Lakartidningen** 73(18):1709, 28 Apr 76 **(Swe)**

URINARY TRACT

In vitro cultivation of epithelial cells derived from tumors of the human urinary tract. Elliott AY, et al. **Cancer Res** 36(2 Pt 1):365–9, Feb 76

Urinary tract complications in myelomeningocele patients. Cass AS. **J Urol** 115(1):102–4, Jan 76

[Gas in the draining urinary tract (author's transl)] Jakse G, et al. **Urologe [A]** 15(3):133–4, May 76 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Letter: Cryptorchidism: is routine intravenous pyelography indicated? Waaler PE, et al. **Arch Dis Child** 51(4):324–5, Apr 76

Congenital anomalies of the lower urinary tract from a radiologic point of view. Hertz M. **Birth Defects** 10(4):136–41, 1974

Malformations of the ears and urinary tract. Roe PF. **Br J Clin Pract** 29(5):121–2, May 75

Percutaneous antegrade pyelography in small infants and neonates. Fowler R, et al. **Br J Radiol** 48(576):987–92, Dec 75

Letter: Polygenic inheritance; urinary tract malformations. Fraser FC. **Clin Genet** 9(4):444–5, Apr 76

Malformation of the pavilion of the ear and the urinary tract. Ferrer RA, et al. **J Genet Hum** 23 SUPPL:102, Oct 75

Letter: Importance of Noonan's syndrome for the urologist. Raghavaiah NV. **J Urol** 116(1):134, Jul 76

Caudal regression syndrome: the urologic implications. Rubenstein MA, et al. **J Urol** 114(6):934–7, Dec 75

Renal transplantation in patients with urologic abnormalities. Shenasky JH 2d. **J Urol** 115(5):490–3, May 76

Letter: Congenital renal tract malformations. Higgins J, et al. **Med J Aust** 1(10):324, 6 Mar 76

Monozygotic twins discordant for urinary tract anomalies and presenting as hydramnios. Johnstone H, et al. **Obstet Gynecol** 47(5):610–4, May 76

Renal transplantation in patients with urinary tract abnormalities. Cerilli J, et al. **Surgery** 79(3):248–52, Mar 76

The malformations of the urinary system in autosomal disorders. Kravtzova GI, et al. **Virchows Arch [Pathol Anat]** 368(2):167–78, 20 Oct 75

[Incidence of anomalies of the uropoetic system in children with relapsing urinary tract infections] Ulrychová Z, et al. **Cesk Pediatr** 30(5):192–3, May 75 **(Cze)**

[Urography in chronic renal insufficiency in congenital malformations of the urinary tract in childhood] Vichi GF, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:340–1, 1975 **(Fre)**

[Multiple and simultaneous uro-urologic operations excluding lithiasis] **J Urol Nephrol (Paris)** 80(12 pt 2):376–90, Dec 74 **(Fre)**

[Recent aspects in urinary tract infections in children (author's transl)] Anders D. **Immun Infekt** 2(2):128–32, May 74 (36 ref.) (Eng. Abstr.) **(Ger)**

[Pyelonephritis in patients with congenital malformations of the urinary tract after corrective operation and under antibiotic therapy (author's transl)] Straub E, et al. **Monatsschr Kinderheilkd** 124(6):511–8, Jun 76 (Eng. Abstr.) **(Ger)**

[Dysplasia of the abdominal muscles associated with deformities of the urinary apparatus and cryptorchism. Report of 2 cases] Caramello Gandolfo MT, et al. **Minerva Pediatr** 27(3):169–76, 4 Feb 75 (Eng. Abstr.) **(Ita)**

[The 'prune belly' syndrome] D'Attoma G. **Minerva Pediatr** 27(32):1794–7, 20 Oct 75 (Eng. Abstr.) **(Ita)**

[Urinary incontinence due to malformations] Aveta G, et al. **Minerva Urol** 27(6):277–83, Nov-Dec 75 (Eng. Abstr.) **(Ita)**

[Hospital case records of infantile nephropathology during the past 5 years] De Angelis P, et al. **Pediatria (Napoli)** 82(4):557–68, 31 Dec 74 (Eng. Abstr.) **(Ita)**

[Case of Rokitansky-Kuster-Hauser syndrome coexisting with congenital urinary tract malformation] Krajewski J, et al. **Ginekol Pol** 47(3):313–5, Mar 76 (Eng. Abstr.) **(Pol)**

[Obrinsky's syndrome in children] Pawlaczyk B, et al. **Pediatr Pol** 50(10):1301–4, Oct 75 **(Pol)**
[Unilateral developmental anomaly of the upper urinary tract coexisting with anomaly of genital organs] Wróbel S, et al. **Pol Przegl Chir** 48(2 A):321–3, Feb 76 **(Pol)**
[Environmental factors and cytogenetic studies in children with congenital urinary tract anomalies] Balcerska A. **Pol Tyg Lek** 31(17):715–7, 26 May 76 (Eng. Abstr.) **(Pol)**
[Congenital malformations of the urinary tract causing obstruction] Andrade Espinoza J, et al. **Gac Med Mex** 110(4):241–6, Oct 75 **(Spa)**

DRUG EFFECTS

The effect of adrenergic blocking drugs on outflow resistance. Whitfield HN, et al. **Br J Urol** 47(7):823–7, 1975
[Study of the effect of tetracycline carboxamide derivatives on the cardiovascular and urinary systems] Aleutskiĭ NN, et al. **Antibiotiki** 20(5):467–70, May 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Host defense mechanisms in the urinary tract. Kaye D. **Urol Clin North Am** 2(3):407–22, Oct 75 (14 ref.)

INJURIES

Trauma to the urinary tract. Marberger H. **Br J Urol** 48(2):145, Apr 76
Urinary tract injuries. Beligaswatte AM, et al. **Ceylon Med J** 20(2):93–8, Jun 75
Urinary tract trauma. Zontine W. **Mod Vet Pract** 56(10):711–5, Oct 75
[Damage of efferent urinary pathways during gynaecological operations (author's transl)] Zák K, et al. **Cesk Gynekol** 40(10):719–20, Dec 75 **(Cze)**

INNERVATION

Effects of major resection of the sacrum. Clinical studies on urogenital and anorectal function and a biomechanical study on pelvic strength. Gunterberg B. **Acta Orthop Scand [Suppl]** (162):1–38, 1976
The relationship of extrinsic nerves to motor activity of the upper urinary tract. In vivo studies on the pig. Longrigg N. **Invest Urol** 13(4):313–7, Jan 76
[Neural control of the urinary tract by the peripheral nerves] Ogata J. **Jpn J Urol** 66(9):556–62, Sep 75 **(Jpn)**

METABOLISM

Concentrations of ampicillin in human urogenital tissue, serum and urine after intake of pivampicillin. Alfthan O, et al. **Arzneim Forsch** 25(11):1831–3, Nov 75
Long term tissue responses to catgut and collagen sutures. Bartone FF, et al. **Invest Urol** 13(6):390–4, May 76

MICROBIOLOGY

[Fungus infection in the urinary tract in chronic pyelonephritis] Kraatz G, et al. **Dermatol Monatsschr** 162(2):150–1, Feb 76 **(Ger)**

PATHOLOGY

Cellular proliferation in the urinary tract epithelium of the rat following temporary unilateral renal ischaemia. Dunn S, et al. **Br J Exp Pathol** 57(1):78–84, Feb 76

PHYSIOLOGY

First report on the standardisation of terminology of lower urinary tract function. **Br J Urol** 48(1):39–42, Feb 76
Urodynamics in the diagnosis of outflow tract obstruction. Buck AC, et al. **Proc R Soc Med** 68(3):170–4, Mar 75
[Function of the lower urinary tract. Standardization of the terminology of incontinence, cystometry, urethrae pressure profile and of units of measurement] Bates P, et al. **Urologe [A]** 15(2):93–6, Mar 76 **(Ger)**
[The determination of the urethral flow resistance in children] Festge OA, et al. **Z Urol Nephrol** 69(1):33–9, Jan 76 **(Ger)**
[Some regularities of the regeneration of the musculature of internal organs] Gladkiĭ AP. **Arkh Anat Gistol Embriol** 69(8):101–9, Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Proceedings: Hydrodynamics and urinary infection, Marberger H. **Br J Urol** 48(2):149, Apr 76
Solving selected problems of the aging urinary tract. Wear JB Jr. **Postgrad Med** 58(6):179–86, Nov 75
[Changes in the urinary system in patients with benign and malignant tumors] Vainberg IA. **Akush Ginekol (Mosk)** (12):41–4, Dec 75 (Eng. Abstr.) **(Rus)**

SURGERY

The use of the omental pedicle graft in urinary tract reconstruction– Turner–Warwick R. **J Urol** 116(3):341–7, Sep 76
Reconstruction of the long diverted urinary tract. Hendren WH. **Surg Annu** 8:335–66, 1976
[Reconstruction surgery of the upper urinary tract] Frick J. **Z Urol Nephrol** 67(9):703–6, Sep 74 (14 ref.) **(Ger)**
[Repeated inoculation of a foreign body into the urinary tract] Sellentin W, et al. **Zentralbl Chir** 100(15):938–9, 1975 **(Ger)**

ULTRASTRUCTURE

Scanning electron microscopy of the urinary tract. Burke JA. **Clin Nephrol** 6(2):329–34, Aug 76
Ultrastructural changes of the luminal plasma membrane of the transitional epithelium of the rat urinary tract in essential fatty acid deficiency. Monis B, et al. **Experientia** 32(6):697–9, 15 Jun 76

URINARY TRACT INFECTIONS

The first urinary tract infection in male children. Cohen M. **Am J Dis Child** 130(8):810–13, Aug 76
Problems of childhood. Disorders of micturition, abnormalities of urine, and urinary tract infection. Meadow R. **Br Med J** 1(6019):1200–2, 15 May 76
Diagnosis and treatment of infections of the urinary tract. Linton AL. **Heart Lung** 5(4):607–10, Jul–Aug 76
Proceedings: Micrococcal urinary infections in young women. Sellin MA, et al. **J Clin Pathol** 28(9):756, Sep 75
Urinary tract infection. **JPMA** 25(7):159–60, Jul 75
Urinary tract infection. **JPMA** 25(7):159–60, Jul 75
Letter: Urinary-tract infection in children. North AF Jr. **Lancet** 2(7945):1147, 6 Dec 75
Letter: Relevance of 'significant bacteriuria' to aetiology and diagnosis of urinary-tract infection. Tapsall JW, et al. **Lancet** 1(7955):373, 14 Feb 76
Urinary tract infections in women. Hole R. **Nurs Times** 72(6):219–21, 12 Feb 76
Nurse pracitioners: clinical performance in diagnosis and treatment of urinary tract infection. Dutton CB, et al. **NY State J Med** 75(13):2424–7, Nov 75
Urinary tract infection. Sanford JP. **Postgrad Med** 58(3):167–73, Sep 75
Diagnosis and management of urinary tract infections. Forland M. **Tex Med** 71(9):70–9, Sep 75
Lettsomian lectures. Mondays, February 11th and 25th, 1974. Urinary infection. Brumfitt W. **Trans Med Soc Lond** 90:105–41, 1974 (81 ref.)
[Urinary infections in girls] Lund B. **Ugeskr Laeger** 138(31):1871–9, 26 Jul 76 (Eng. Abstr.) **(Dan)**
[Renal and urothelial candidiasis] Fransen G, et al. **Acta Urol Belg** 42(4):452–71, Oct 74 (Eng. Abstr.) **(Fre)**
[Urinary infections in children] Favre R. **Rev Med Suisse Romande** 95(3):189–98, Mar 75 **(Fre)**
[Urinary infections] Humair L. **Rev Med Suisse Romande** 95(3):165–71, Mar 75 **(Fre)**
[Recent aspects in urinary tract infections in children (author's transl)] Anders D. **Immun Infekt** 2(2):128–32, May 74 (36 ref.) (Eng. Abstr.) **(Ger)**
[Some problems of urinary tract infections (author's transl)] Manitius A. **Przegl Lek** 32(9):677–82, 1975 **(Pol)**

BLOOD

Bacteremia arising from the urinary tract. Riff LJ. **Urol Clin North Am** 2(3):521–35, Oct 75

CLASSIFICATION

Editorial: A clinical classification of urinary tract infections based upon origin. Stamey TA. **South Med J** 68(8):934–9, Aug 75

COMPLICATIONS

Cause of death and prognosis of urinary tract infections and micturition disturbances in patients who had survived 5-years after treatment for cervical cancer. Miura S, et al. **Acta Obstet Gynaecol Jpn** 21(1):20–6, Jan 74
Metastatic infection secondary to genitourinary tract sepsis. Siroky MB, et al. **Am J Med** 61(3):351–60, Sep 76
Pyelo-ureteritis cystica associated with a urinary tract infection due to a coagulase-negative staphylococcus. Barratt LJ, et al. **Aust NZ J Med** 5(5):447–9, Oct 75
Influence of vesico–ureteral reflux on the response to treatment of urinary tract infections in female children. Fair WR, et al. **Br J Urol** 48(2):111–7, Apr 76
Development of renal scarring in an adult with recurrent urinary tract infection. Martin MA, et al. **Clin Nephrol** 5(6):269–74, Jun 76
Trichomonas vaginitis and Escherichia coli urinary infection in a newborn infant. Postlethwaite RJ. **Clin Pediatr (Phila)** 14(9):866–7, Sep 75
Association of gastroenteritis with urinary tract infection in infancy. Uppal SK, et al. **Indian Pediatr** 12(2):159–60, Feb 75
Urologic sepsis/shock. Seneca H, et al. **J Am Geriatr Soc** 24(7):292–300, Jul 76
Salmonella lithiasis. Hasham AI, et al. **J Urol** 115(1):110–1, Jan 76
Natural history of urinary infection in adults. Freedman LR. **Kidney Int [Suppl]** Suppl 4:S96–100, Aug 75
Vesico–ureteric reflux and renal scarring. Smellie J, et al. **Kidney Int [Suppl]** Suppl 4:S65–72, Aug 75
Relationship of allergy, enuresis, and urinary infection in children 4 to 7 years of age. Siegel S, et al. **Pediatrics** 57(4):526–8, Apr 76
Childhood urinary infection associated with vesico–ureteric reflux. MacGregor ME, et al. **Q J Med** 44(175):481–89, Jul 75
Effect of urinary tract infection on maturation of the ureterovesical junction. Roberts JA. **Surg Forum** 26:596–8, 1975
Letter: Cervical lymphadenopathy and acute urinary tract infection. Golden RL, et al. **Urology** 6(6):789, Dec 75
Neonatal urinary tract infection with petechiae and thrombocytopenia. Hurley JK, et al. **Urology** 7(1):63–5, Jan 76
Chronically infected and postdiversionary bladders: cytologic and histopathologic study. Polsky MS, et al. **Urology** 7(5):531–5, May 76
[Dysfunction of the lower vesical segment (author's transl)] Vučkov S, et al. **Ljec Vjesn** 98(1):14–8, Jan 76 (Eng. Abstr.) **(Cro)**
[Editorial: Urinary tract infection in children and reflux treatment] Mauritzen K. **Ugeskr Laeger** 138(31):1897–8, 26 Jul 76 **(Dan)**
[Mycoplasmas and fertility] Koskimies A. **Duodecim** 91(23):1459–61, 1975 **(Fin)**
[Role of urinary infection in the etiology of uveitis] Bridel R, et al. **Bull Soc Ophtalmol Fr** 74(7–8):733–7, Jul–Aug 74 **(Fre)**
[Evolutive aspects of urinary infection in reno–ureteral lithiasis] pp. 8–21. Brisset JM, et al. **In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975.** **(Fre)**
[Diagnosis and clinical importance of pyuria (author's transl)] Gerber H, et al. **Praxis** 64(2):35–8, 14 Jan 75 (Eng. Abstr.) **(Ger)**
[Unspecific spinal osteomyelitis as a result of urinary tract infections] Eltahir K, et al. **Z Urol Nephrol** 69(3):207–13, Mar 76 **(Ger)**
[Vaginal fluor in relation to diseases of the uropoetic system in girls] Sedová A, et al. **Zentralbl Gynaekol** 97(7):426–7, 1975 (Eng. Abstr.) **(Ger)**
[Significant bacteriuria in cases of premature labor] Kubicki J. **Ginekol Pol** 47(4):383–8, Apr 76 (Eng. Abstr.) **(Pol)**
[Coexistence of urinary tract infections and genital infections in girls] Wszelaki-Lass E, et al. **Pediatr Pol** 51(3):281–4, Mar 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Uriglox and quantitative urine microscopy in diagnosis of urinary tract infection. Hällström KA, et al. **Acta Med Scand** 198(6):497–503, Dec 75
Electrochemical method for the early detection of urinary-tract infections. Lamb VA, et al. **Am J Clin Pathol** 66(1):91–5, Jul 76
Letter: Urinary tract allergy. Unger DL. **Ann Allergy** 36(6):439–40, Jun 76
Coccidoidouria: clinical significance. Petersen EA, et al. **Ann Intern Med** 85(1):34–8, Jul 76
[Radiation dose measurements in intravenous pyelography] Egeblad M, et al. **Ann Radiol (Paris)** 18(4):321–4, May–Jun 75 **(Eng, Fre)**
Recurrent urinary tract infection in girls. Group with lower tract findings and a benign course. Welch TR, et al. **Arch Dis Child** 51(2):114–9, Feb 76
Urinary tract infections, causes and management, with particular reference to the patient with spinal cord injury: a review. Merritt JL. **Arch Phys Med Rehabil** 57(8):365–73, Aug 76
Urinary tract infection in children: general practice survey. Williams CM. **Aust Fam Physician** 5(3):340–4, Apr 76
Gallium–67 imaging to localize urinary-tract infections. Hurwitz SR, et al. **Br J Radiol** 49(578):156–60, Feb 76
Colic as the sole symptom of urinary tract infection in infants. Du JN. **Can Med Assoc J** 115(4):334–7, 21 Aug 76
Perineal erythema: A sign of urinary tract infection in girls? Siegel SR, et al. **Clin Pediatr (Phila)** 14(11):1029–30, Nov 75
On the relation of genital to urinary tract infections. Diagnostic problems. pp. 193–9. Fritz H. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**
Evaluation of antibody coating of yeasts in urine as an indicator of the site of urinary tract infection. Harding SA, et al. **J Clin Microbiol** 2(3):222–5, Sep 75
Comparison of laboratory methods in the diagnosis of urinary tract infection. Duerden BI, et al. **J Clin Pathol** 29(4):286–91, Apr 76
Use of 99mTc–sulfur colloid in evaluation of renal transplant complications. Frick MP, et al. **J Nucl Med** 17(3):181–3, Mar 76
Lessons learned from a patient. Changing concepts rather than facts. Beccia D, et al. **JAMA** 236(11):1268–9, 13 Sep 76
Problems of urinary tract infection. Sidabutar RP. **Jpn J Nephrol** 17(8):710–3, Aug 75
Urinary lactic dehydrogenase isoenzyme 5 in the differential diagnosis of kidney and bladder infections. Carvajal HF, et al. **Kidney Int** 8(3):176–84, Sep 75
Urinary-tract infection. Asscher AW. **Lancet** 2(7893):1365–7, 7 Dec 74
Letter: Relevance of 'significant bacteriuria' to aetiology and diagnosis of urinary-tract infection. Younes RP. **Lancet** 2(7946):1217, 13 Dec 75
Uro–check in paraplegics. (A survey of pathological changes of urinary tract in paraplegics). Terbizan A, et al. **Paraplegia** 14(1):47–9, May 76
New methods in detecting urinary tract infections. Kunin CM. **Urol Clin North Am** 2(3):423–32, Oct 75
Localization of the site of recurrent urinary tract infection in women. Turck M. **Urol Clin North Am** 2(3):433–41, Oct 75
[Irrigation and sterilization of the bladder to assess the site of infection in the urinary pathways (author's transl)]

Bohuslav V, et al. **Cas Lek Cesk** 115(16):485–8, 1976 (Eng. Abstr.) **(Cze)**

[Experiences with localization of urinary infection in clinical practice] Bohuslav V, et al. **Vnitr Lek** 21(11):1103–8, Nov 75 (Eng. Abstr.) **(Cze)**

[Significance of sampling methods in the diagnosis of urinary tract infections, particularly in general practice] Uhari M, et al. **Duodecim** 92(9):484–9, 1976 (Eng. Abstr.) **(Fin)**

[Routine tests in urinary bilharziasis: apropos of 350 hospitalized patients] Pasticier A, et al. **Ann Soc Belg Med Trop** 55(5):389–93, 1975 **(Fre)**

[Importance of rectal mucosa biopsy for the diagnosis of urinary bilharziasis. Apropos of 313 examinations] Rousset JJ, et al. **Ann Soc Belg Med Trop** 55(5):395–401, 1975 **(Fre)**

[Asymptomatic bacteriuria and its detection during pregnancy] Thommen DH. **Rev Med Suisse Romande** 95(3):1f1–7, Mar 75 **(Fre)**

[Lokalisation of urinary tract infections following gynecologic surgery] Dahler R, et al. **Arch Gynaekol** 219(1–4):236–7, 18 Nov 75 **(Ger)**

[Evaluation of diagnostic factors in chronic recurrent urinary-tract infections in children. II. Clinical symptoms (author's transl)] Daschner F. **Dtsch Med Wochenschr** 101(4):102–5, 23 Jan 76 (Eng. Abstr.) **(Ger)**

[Localization of urinary-tract infection by demonstrating antibody-coated bacteria in urine (author's transl)] Kohnle W, et al. **Dtsch Med Wochenschr** 100(51):2598–602, 19 Dec 75 (Eng. Abstr.) **(Ger)**

[Long-term follow-up of children with urinary tract infection: bacterial spectrum, E. coli-serotypes 0, relapse, and reinfection (author's transl)] Sietzen W, et al. **Dtsch Med Wochenschr** 100(52):2636–41, 26 Dec 75 (Eng. Abstr.) **(Ger)**

[Significance of antibody titers in recurrent urinary tract infection in children (author's transl)] Daschner F. **Med Klin** 71(37):1491–6, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[Significance of diagnostic parameters in recurrent urinary tract infection in children. I. The history (author's transl)] Daschner F. **Monatsschr Kinderheilkd** 124(3):101–5, Mar 76 (Eng. Abstr.) **(Ger)**

[Myasis of the urogenital tract] Pytel JA, et al. **Z Urol Nephrol** 69(1):45–8, Jan 76 **(Ger)**

[Different antibody tests (IgG, IgM) from children with chronical recurrent urinary tract infections (author's tranls)] Braveny I, et al. **Zentralbl Bakteriol [Orig A]** 234(1):60–7, Jan 76 **(Ger)**

[Serum antibody determination in patients with urinary tract infections during pregnancy] Briedigkeit H, et al. **Zentralbl Gynaekol** 97(6):368–71, 1975 (Eng. Abstr.) **(Ger)**

[Bladder lavage in the diagnosis of urinary tract infections] Cavatorta F, et al. **Arch E Maragliano Patol Clin** 30(1):31–40, Jan-Jun 74 (Eng. Abstr.) **(Ita)**

[Statistical evaluation of bacteriological diagnosis of urinary tract infections in children treated in a general hospital] Narbutowicz B, et al. **Pediatr Pol** 50(8):971–9, Aug 75 (Eng. Abstr.) **(Pol)**

[Attempt at centralizing diagnostic services of urinary tract infections able to serve remote health care institutions] Dzierżanowska D, et al. **Pol Przegl Chir** 48(6A):777–82, Jun 76 **(Pol)**

[Usefulness of passive hemagglutination tests in the serological diagnosis of urinary tract infections caused by E. coli] Augustyniak B, et al. **Pol Tyg Lek** 30(47):1953–6, 24 Nov 75 (Eng. Abstr.) **(Pol)**

[Uricult test compared with quantitative bacteriuria in diabetics] Simpläceanu L, et al. **Rev Ig [Bacteriol]** 19(5):405–10, Oct-Dec 74 (Eng. Abstr.) **(Rum)**

[The triphenyltetrazolium chloride test for detecting urinary tract infections] Celedon JM, et al. **Rev Chil Pediatr** 46(1):45–9, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Diagnosis and resistance testing with dip slides in urinary infection] Gunnarsson C, et al. **Lakartidningen** 72(50):4989–91, 10 Dec 75 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Long-term treatment with methenamine hippurate in recurrent urinary tract infection. Nilsson S. **Acta Med Scand** 198(1–2):81–5, Jul–Aug 75

Tobramycin in chronic recurrent urinary tract infections. Queiroz FP, et al. **Am J Med Sci** 271(1):29–34, Jan–Feb 76

Antibiotic treatment of parturient women colonized with group B streptococci. Hall RT, et al. **Am J Obstet Gynecol** 124(6):630–4, 15 Mar 76

Chemotherapy and renal function. Fereres J. **Antibiot Chemother** 21:80–4, 1976

[Clinical study of the use of carbenicillin indanyl sodium administered by oral route in the therapy of infections of the urological apparatus] Ciacci Q, et al. **Antibiotica** 12(2):61–8, Jun 74 **(Eng, Ita)**

[Indanyl carbenicillin and urogenital infections] Menicheili E, et al. **Antibiotica** 12(3–4):166–86, Sep–Dec 74 **(Eng, Ita)**

Efficacy of cinoxacin in urinary tract infections. Panwalker AP, et al. **Antimicrob Agents Chemother** 9(3):502–5, Mar 76

Childhood urinary canddiasis successfully treated with 5-fluorocytosine. Lines D. **Aust Paediatr J** 12(1):49–52, Mar 76

Editorial: Antibiotic treatment in kidneys of unequal function. **Br Med J** 1(6000):4–5, 3 Jan 76

Three-day and ten-day chemotherapy for urinary tract infections in general practice. Charlton CA, et al. **Br Med J** 1(6002):124–6, 17 Jan 76

Comparative double-blind study of cephalexin and co-trimoxazole in urinary tract infections. Gower PE, et al. **Br Med J** 1(6011):684–6, 20 Mar 76

Fosfomycin in treatment of chronic urinary tract infection. Gobernado M, et al. **Chemotherapy** 21(2):99–107, 1975

Treatment of chronic urinary tract infections with cephalexin (Ceporexine) orally administered at 12-hourly intervals. Nilsson LB. **Chemotherapy** 22(5):331–4, 1976

Therapy of infections with cefazolin. Schreiner A, et al. **Chemotherapy** 22(6):381–9, 1976

A clinical investigation of pivmecillinam. A novel beta-lactam antibiotic in the treatment of urinary tract infections. Wise R, et al. **Chemotherapy** 22(5):335–9, 1976

Clinical experience with indanyl carbenicillin in urinary tract infections. Giamarellou E, et al. **Curr Med Res Opin** 4(2):170–6, 1976

Cephradine in the treatment of chronic recurrent infections of the urinary tract. Wurth GH, et al. **Curr Med Res Opin** 4(2):139–43, 1976

Carbenicillin therapy of urinary tract infections due to difficult uropathogens. III. Enterococcus. Fiedelman W. **Curr Ther Res** 18(1 s suppl):249–56, Jul 75

Carbenicillin therapy of urinary tract infections due to difficult uropathogens. II. Enterobacter. Fiedelman W. **Curr Ther Res** 18(1 s suppl):241–8, Jul 75

Carbenicillin therapy of urinary tract infections dur to difficult urop athogens. IV. Summary and conclusions. Fiedelman W. **Curr Ther Res** 18(1 s suppl):257–9, Jul 75

Carbenicillin therapy of urinary tract infections due to difficult uropathogens. I. indole-positive Proteus. Fieldelman W. **Curr Ther Res** 18(1 s suppl):231–40, Jul 75

Carbenicillin therapy of urinary tract infections due to difficult uropathogens. Introduction. Holloway WJ. **Curr Ther Res** 18(1 s suppl):229–30, Jul 75

Comparison of cepharadine and cephalexin in the treatment of respiratory and urinary tract infections. Mogabgab WJ. **Curr Ther Res** 19(4):421–32, Apr 76

Treatment of urinary tract infections with cephradine. Mogabgab WJ. **Curr Ther Res** 19(5):520–8, May 76

Therapeutic effectiveness of minocycline in nonspecific urethritis and other genitourinary infections. Rauf N. **Curr Ther Res** 19(2):212–5, Feb 76

Double-blind comparison of sulfacytine, a new sulfonamide, with sulfisoxazole in acute uncomplicated urinary tract infections. Way KE. **Curr Ther Res** 19(2):220–9, Feb 76

Oxolinic acid (Prodoxol) for urinary tract infection. **Drug Ther Bull** 13(18):70–1, 29 Aug 75

Urinary infections: which antibacterial drug and regimen? Nanra RS. **Drugs** 11(6):441–50, 1976 (0 ref.)

Combinations of antibiotics in urinary tract infections. pp. 126–34. Acar JF, et al.
In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.

Carindacillin in urinary infections of obstetrical concern. pp. 231–3. Concetti F, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

A clinical study of amikacin – a new aminoglycoside antibiotic. pp. 421–6. Haldane EV, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Clinical study of amikacin (BB–K8) in urinary tract infections by double-blind method. pp. 433–5. Kumazawa J, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

A comparative study of ticarcillin and gentamicin in the treatment of complicated urinary tract infections. pp. 391–5. Madsen PO, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Geographical variation in urinary infections in general practice: a combined study in Holland and England. pp. 381–4. Takken GA, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Evaluation of tobramycin in severe urinary tract infection. pp. 437–9. Bennett AH.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Sisomicin treatment of urinary tract infections. pp. 375–87. Dale GA, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

Comparison of carfecillin and carbenicillin on experimental urinary tract infection. pp. 295–301. Hatala M, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

The usefulness of experimental models of urinary tract infections in the assessment of chemotherapeutic compounds. pp. 205–17. Ryan DM.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c. (58 ref.) (Eng. Abstr.)

The choice of anti-microbial therapy in urinary infections in children. Saxena H, et al. **Indian J Pediatr** 42(335):341–4, Dec 75

Information basis for the treatment of urinary tract infections. Jackson G. **Infection** 3(2):119–22, 1975

Treatment with sisomicin of complicated urinary tract infections in patients with varying degrees of renal function impairment, pharmacokinetics and dosage adjustment. Mosegaard A, et al. **Infection** 3(3):143–7, 1975

Cephalexin compared with ampicillin in urinary tract infections in children. Elo J, et al. **J Antimicrob Chemother** 1(3 Suppl):85–92, 1975

Clinical, pharmacokinetic and laboratory study of penicillin V in the treatment of acute urinary infection. Gower PE, et al. **J Antimicrob Chemother** 1(2):187–92, Jun 75

The use of small doses of cephalexin (125 mg) in the management of recurrent urinary tract infection in women. Gower PE. **J Antimicrob Chemother** 1(3 Suppl):93–8, 1975

The use of co-trimoxazole in sulphonamide-resistant Escherichia coli urinary tract infection. Grüneberg RN. **J Antimicrob Chemother** 1(3):305–10, Sep 75

The new antibiotics: trimethoprim-sulfamethoxazole (TMP-SMZ). Nolan CM. **J Arkansas Med Soc** 73(2):111–3, Jul 76

Gentamicin in urinary infections. A clinical and bacteriological study. Sengupta SR, et al. **J Assoc Physicians India** 23(1):37–40, Jan 75

Sulfacytine: a new sulfonamide. Double-blind comparison with sulfisoxazole in acute uncomplicated urinary tract infections. Hughes J, et al. **J Urol** 114(6):912–4, Dec 75

Urinary tract infections in patients with severe renal disease. Treatment with ampicillin and trimethoprim-sulfamethoxazole. Bennett WM, et al. **JAMA** 236(8):946–8, 23 Aug 76

New penicillins in the treatment of urinary tract infection. Geedes AM, et al. **Kidney Int [Suppl]** Suppl 4:S134–7, Aug 75

Bowel flora in urinary tract infection: effect of chemotherapy with special reference to cotrimoxazole. Grüneberg RN, et al. **Kidney Int [Suppl]** Suppl 4:S122–9, Aug 75

Letter: Oxolinic acid in urinary infections. Meers PD. **Lancet** 2(7882):721–2, 21 Sep 74

Oxolinic acid. **Med Lett Drugs Ther** 18(1):2–3, 2 Jan 76

Trimethoprim-sulfamethoxazole for treatment of urinary tract infections. **Med Lett Drugs Ther** 17(25):101–3, 5 Dec 75

Practical answers to common questions about urinary tract infections. Gleckman RA. **Med Times** 104(4):47–9, Apr 76

The Pharmacokinetic profile of co-trimoxazole. Bergan T, et al. **Scand J Infect Dis [Suppl]** (8):42–9, 1976

The concentration of trimethoprim and sulphamethoxazole in the urine and serum of incontinent patients undergoing long-term treatment. Brandberg A. **Scand J Infect Dis [Suppl]** (8):54–5, 1976

Co-trimoxazole and nitrofurantoin in urinary-tract infections: a controlled clinical study. Lövestad A, et al. **Scand J Infect Dis [Suppl]** (8):58–60, 1976

Sulphamethoxazole-trimethoprim. III. Clinical aspects. Urinary-tract infections. Summary. Ornsten PA. **Scand J Infect Dis [Suppl]** (8):71–4, 1976 (4 ref.)

The long-term treatment of chronic urinary-tract infections. Orsten PA. **Scand J Infect Dis [Suppl]** (8):67–70, 1976

Cephazolin: a comparison to ampicillin in respiratory and urinary infections with dosage regulation by a nomogram. Benner EJ, et al. **Scott Med J** 20(5):244–7, SEP 76

Cephazolin sodium in the management of complicated urinary tract infection. Gow JG. **Scott Med J** 20(5):261–4, SEP 76

Tobramycin in urinary tract infection. Graham AG. **Scott Med J** 21(2):75–6, Apr 76

Cephazolin treatment of pneumococcal pneumonia and urinary tract infections. Kilpatrick M, et al. **Scott Med J** 20(5):248–54, SEP 76

Cephazloin sodium – an invivo and in vitro evaluation of 100 patients with urinary tract infections. Rimmer DM. **Scott Med J** 20(5):259–60, SEP 76

The management of urinary tract infections. Hodgson NB, et al. **Surg Clin North Am** 55(6):1397–1401, Dec 75

Antibiotic nephrotoxicity. A review of pathogenesis and prevention. Silverblatt FJ. **Urol Clin North Am** 2(3):557–67, Oct 75 (18 ref.)

Therapeutic guidelines in the management of urinary tract infections and pyelonephritis. Turck M. **Urol Clin North Am** 2(3):443–50, Oct 75 (27 ref.)

Sulfacytine in uncomplicated urinary tract infections. Double-blind comparison with sulfisoxazole. Cohen AE. **Urology** 7(3):267–71, Mar 76

Twenty-eight-day courses of antibiotics for urinary tract infection. Cosgrove MD, et al. **Urology** 7(2):156–9, Feb 76

Sisomicin in urinary tract infection: Tolerance and efficacy study. Etra W, et al. **Urology** 7(2):160–4, Feb 76

[Our experiences with the administration of cephalotin in urinary tract infections of children (author's transl)] Svorc J, et al. **Cas Lek Cesk** 115(20–21):642–4, 28 May 76 (Eng. Abstr.) **(Cze)**

[Cephalotin in the therapy of chronic urinary infections (author's transl)] Tesařová Z, et al. **Cas Lek Cesk** 115(20–21):633–6, 28 May 76 (Eng. Abstr.) **(Cze)**

[A new low-dosage trimethoprim-sulfonamide for long term treatment of chronic urinary tract infections] Elsborg L, et al. **Ugeskr Laeger** 138(12):735–7, 15 Mar 76 (Eng. Abstr.) **(Dan)**

[Anti-microbial treatment in pregnancy] Siboni K, et al. **Ugeskr Laeger** 137(46):2726–8, 10 Nov 75 **(Dan)**

[Comparative study of injectable cotrimoxazole and doxycycline in urologic surgery] Derluyn JP, et al. **Acta Urol Belg** 42(4):485–91, Oct 74 (Eng. Abstr.) **(Fre)**

[Administration of trimethoprim-sulfamethoxazole in continuous perfusion in cases of severe urinary tract infections. Apropos of 46 cases] Dimopoulos C, et al.

Acta Urol Belg 42(4):492–6, Oct 74 (Eng. Abstr.) **(Fre)**

[Treatment of urogenital trichomoniasis with Fasigyn] Dellenbach P, et al.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):369–71, 1972 **(Fre)**

[Treatment of urinary infection in adults: why and how] Fries D, et al. **Sem Hop Ther** 51(3):171–6, Mar 75 **(Fre)**

[Sulfametrol–trimethoprim in the treatment of chronic urinary tract infections] Pichler H, et al.
Acta Med Austriaca 2(5):170–6, 1975 (Eng. Abstr.) **(Ger)**

[Amoxicillin in the management of urinary tract infections] Fiegel P, et al. **Adv Clin Pharmacol** 7:77–82, 1974 (Eng. Abstr.) **(Ger)**

[Experiences with combined cephalothin–gentamicin therapy in severe urologic infections] Hofstetter A.
Adv Clin Pharmacol 8:51–3, 1974 **(Ger)**

[Clinical experience in the management of urinary tract infections with cephazolin] Nuri M, et al.
Adv Clin Pharmacol 8:118–22, 1974 **(Ger)**

[Clinical trial of the antibacterial combination sulfamoxole/trimethoprim (CN 3123). 2. Results of a multicenter clinical trial of CN 3123 in infections of the kidneys and urinary tract] Eckstein E, et al.
Arzneim Forsch 26(42):665–70, 1976 (Eng. Abstr.) **(Ger)**

[The effect of a new broad-spectrum antibiotic in bronchopulmonar and urinary infections (author's transl)] Feldmeier. **Med Klin** 71:1192–6, 9 Jul 76 (Eng. Abstr.) **(Ger)**

[Sisomicin treatment of urinary tract infections (author's transl)] Weissbach L, et al. **Med Klin** 71(32–33):1300–7, 6 Aug 76 (Eng. Abstr.) **(Ger)**

[Cefazolin—pharmacokinetics and clinical effectiveness in urinary tract infections] Peters HJ, et al. **Med Welt** 26(27–28):1331–4, 11 Jul 75 **(Ger)**

[Parenteral chemotherapy in urinary tract infections with trimethoprim/sulfamethoxazole (TMP/SMZ)] Peters HJ, et al. **Med Welt** 27(23):1157–60, 4 Jun 76 **(Ger)**

[Clinical experience with Bactrim Roche ampoules in urology] Weiske WH. **Med Welt** 26(49):2238, 5 Dec 75 **(Ger)**

[The management of urinary tract infections with CN–3123. Experience with gynecologic patients and women in childbirth] Feltmann K. **Ther Ggw** 115(5):896–905, May 76 **(Ger)**

[Management of urinary tract infections in gynecologic patients with a new combination of sulfamoxole and trimethoprim] Niskios D, et al. **Ther Ggw** 115(4):646–56, Apr 76 **(Ger)**

[Oral, vaginal and combination oral–vaginal therapy of mycoplasmosis urogenitalis] Weissenbacher ER.
Ther Ggw 115(4):638–44, Apr 76 **(Ger)**

[Treatment of urinary tract infections caused by unknown bacteria (author's transl)] Schabert P, et al. **Urol Int** 31(3):171–8, 1976 (Eng. Abstr.) **(Ger)**

[Clinical use of sodium hypochlorite for local treatment and prevention of urinary tract infections and therapy of contracted bladders (author's transl)] Eisen M, et al.
Urologe [A] 15(1):39–43, Jan 76 (Eng. Abstr.) **(Ger)**

[Therapy of infections of the urogenital tract with a new broad–spectrum penicillin (Spectacillin) in urological practice] Grill R. **Wien Med Wochenschr** 126(7):89–92, 13 Feb 76 **(Ger)**

[Carindacillin in the treatment of urinary tract infections] Pogglitsch H. **Wien Med Wochenschr** 126(24):357–9, 11 Jun 76 **(Ger)**

[Treatment of acute and chronic urinary tract infections in children with an urinary chemotherapeutic agent] Chrapowicki T, et al. **Z Allgemeinmed** 51(27):1215–9, 30 Sep 75 **(Ger)**

[Long–term treatment of chronic urinary tract infections with the combination drug trimethoprim–sulfamethoxazol (Eusaprim) in chronic patients] Dahl S. **Z Alternsforsch** 28(3):239–45, 1974 **(Ger)**

[1st experiences with 5–nitro–oxyquinoline in the treatment of chronic urinary tract infection] Schlesinger E, et al.
Z Urol Nephrol 70(6):429–34, Jun 75 **(Ger)**

[Nitrofurantoin–sulfadiazine in the therapeutic cycle of urinary tract infections in childhood] Rieder RT. **ZFA** 52(16):867–8, 10 Jun 76 **(Ger)**

[Methenamine hippurate in urinary tract infections] Klein D, et al. **ZFA (Stuttgart)** 52(21):1110–4, 31 Jul 76 **(Ger)**

[Letter: Clinical indications for oxolinic acid (Gramurin)] Marosvári I, et al. **Orv Hetil** 116(49):2918–9, 7 Dec 75 **(Hun)**

[Use of antibiotics in the course of litholysis] Galli L, et al.
Atti Accad Med Lomb 27(1–4):73–6, 1972 **(Ita)**

[Clinical study of the use of amoxicillin in pediatrics] Careddu P, et al. **Farmaco [Prat]** 30(8):374–81, Aug 75 (Eng. Abstr.) **(Ita)**

[Amoxicillin: microbiological, pharmacokinetic and therapeutic aspects] Motta G, et al. **Farmaco [Prat]** 30(8):357–73, Aug 75 (Eng. Abstr.) **(Ita)**

[Notes on a clinical trial of a new antibiotic: cefazolin] Bolgan A. **Minerva Nefrol** 22(6):327–30, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Urinary tract infection in childhood. Analysis of treatment schedules from the cost viewpoint] Varese LA, et al.
Minerva Pediatr 27(29):1576–9, 22 Sep 75 (Eng. Abstr.) **(Ita)**

[Nifurpipone in the chemotherapy of bacterial inflammation of the urinary ways in geriatrics] Bompani R, et al.
Minerva Urol 27(1):12–23, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Effects of talampicillin on urinary tract infections] Kondo K, et al. **J Jpn Assoc Infect Dis** 49(11):555–66, Jul 75 (Eng. Abstr.) **(Jpn)**

[Clinical effects of talampicillin hydrochloride on urinary tract infections] Kumazawa J, et al.
J Jpn Assoc Infect Dis 49(11):440–57, Jul 75 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on talampicillin in urologic diseases] Mita T, et al. **J Jpn Assoc Infect Dis** 49(11):547–54, Jul 75 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on talampicillin in urologic diseases] Tei K, et al. **J Jpn Assoc Infect Dis** 49(11):542–6, Jul 75 (Eng. Abstr.) **(Jpn)**

Clinical experience with gentamicin in complicated urinary tract infections (author's transl)] Fujimura N, et al.
Jpn J Antibiot 29(3):303–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Clinical studies on gentamicin in complicated urinary tract infections (author's transl)] Kondo K, et al.
Jpn J Antibiot 29(3):318–24, Mar 76 (Eng. Abstr.) **(Jpn)**

[Clinical study of amoxicillin used for treatment of infections of the lower urinary tracts (author's transl)] Kubo Y, et al. **Jpn J Antibiot** 29(1):17–21, Jan 76 (Eng. Abstr.) **(Jpn)**

[Clinical experience with gentamicin in urinary tract infections (author's transl)] Kumazawa J, et al.
Jpn J Antibiot 29(3):309–17, Mar 76 (Eng. Abstr.) **(Jpn)**

[Clinical experience with gentamicin in complicated urinary tract infections (author's transl)] Mitobe K, et al.
Jpn J Antibiot 29(3):291–8, Mar 76 (Eng. Abstr.) **(Jpn)**

[Antibacterial treatment of urinary tract infections] Hovig B, et al. **Tidsskr Nor Laegeforen** 95(25):1421–5, 10 Sep 75 **(Nor)**

[Non–routine treatment of protracted urinary tract infections in children] Karkowski M. **Pediatr Pol** 51(2):199–200, Feb 76 **(Pol)**

[Urovalidine in the treatment of urinary tract infections] Wyganowska G, et al. **Pol Arch Med Wewn** 54(4):379–86, Oct 75 (Eng. Abstr.) **(Pol)**

[Treatment of urinary tract infections in children] Nowak S, et al. **Wiad Lek** 28(16):1367–73, 15 Aug 75 (Eng. Abstr.) **(Pol)**

[The use of cephalosporin antibiotics in the therapy of urinary tract infections of children (author's transl)] Démant F, et al. **Cas Lek Cesk** 115(20–21):640–1, 28 May 76 (Eng. Abstr.) **(Slo)**

[Our observations on the treatment with some cephalosporin antibiotics in children (author's transl)] Getlik A, et al.
Cas Lek Cesk 115(20–21):636–8, 28 May 76 (Eng. Abstr.) **(Slo)**

[Cephalotin therapy of urinary infections (author's transl)] Klimeš M, et al. **Cas Lek Cesk** 115(20–21):630–3, 28 May 76 (Eng. Abstr.) **(Slo)**

[Clinical experience with a new cephalosporin: cefazolin. Preliminary experience] Castagueto HE, et al.
Rev Clin Esp 140(2):171–6, 31 Jan 76 (Eng. Abstr.) **(Spa)**

[Treatment of urinary tract infections with a new antibiotic: phosphomycin (author's transl)] Ruiloba J, et al.
Rev Invest Clin 28(1):29–32, Jan–Mar 76 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Allergy and recurrent urinary tract infections in childhood. I. Horesh AJ. **Ann Allergy** 36(1):16–22, Jan 76

Allergy and recurrent urinary tract infections in childhood. II. Horesh AJ. **Ann Allergy** 36(3):174–9, Mar 76

Investigation of the effect of K antigen in Escherichia coli urinary tract infections by use of a mouse model. Nicholson AM, et al. **Br J Exp Pathol** 56(6):549–53, Dec 75

Urinary tract infection following trans–rectal biopsy of the prostate. Fawcett DP, et al. **Br J Urol** 47(6):679–81, Dec 75

Urinary infection and prostatectomy. Jackaman FR, et al.
Br J Urol 47(5):545–8, Oct 75

Proceedings: Hydrodynamics and urinary infection, Marberger H. **Br J Urol** 48(2):149, Apr 76

Urinary pathogens in the male. Maskell R, et al.
Br J Urol 47(6):691–4, Dec 75

Urinary tract infection and wound infection in kidney transplant patients. Walter S, et al. **Br J Urol** 47(5):513–7, Oct 75

Letter: Marital urinary infection. Simpson B. **Br Med J** 2(6034):529, 28 Aug 76

Mycoplasmas in humans: significance of Ureaplasma urealyticum. Kundsin RB. **Health Lab Sci** 13(2):144–51, Apr 76

Renal growth and urinary infection following antireflux surgery in infants and children. Willscher MK, et al.
J Urol 115(6):722–5, Jun 76

Relevance of 'significant bacteriuria' to aetiology and diagnosis of urinary–tract infection. Tapsall JW, et al.
Lancet 2(7936):637–9, 4 Oct 75

Infection of the urinary tract associated with catheters. Stronge JL. **Nurs Times** 72(11):426–7, 18 Mar 76

Effect of ureteral stent on urinary tract infections in renal transplantation. Branitz BH, et al. **Urology** 6(6):687–928, Dec 75

Complications of horseshoe kidney. Castro JE, et al.
Urology 6(3):344–7, Sep 75

Letter: Constipation: a cause of urinary tract obstruction and infection. Ravich L. **Urology** 7(2):236–7, Feb 76

[Incidence of anomalies of the uropoetic system in children with relapsing urinary tract infections] Ulrychová Z, et al. **Cesk Pediatr** 30(5):192–3, May 75 **(Cze)**

[Infection revealing urinary lithiasis] pp. 1–7. Jardin A.
In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975. **(Fre)**

[Infectious complications following surgery for lithiasis] pp. 22–30. Le Guillou M, et al.
In: Küss R, Legrain M, ed. Séminaires d'uro–néphrologie. Paris, Masson, 1975. WJ 100 S471s 1975. **(Fre)**

[Urinary tract infection in the paraplegic] Cukier J, et al.
J Urol Nephrol (Paris) 80(12 pt 2):276–81, Dec 74 **(Fre)**

[Urinary tract infections in paraplegics] Picatoste Patino J.
J Urol Nephrol (Paris) 80(12 pt 2):281–4, Dec 74 **(Fre)**

[Infection of the urinary tract in the paraplegic adult. Study of 200 records] Cukier J, et al. **Nouv Presse Med** 5(24):1531–2, 12 Jun 76 **(Fre)**

[Urinary infections following bladder catheterization] Guignard JP, et al. **Schweiz Med Wochenschr** 105(49):1354–6, 6 Dec 75 (Eng. Abstr.) **(Fre)**

[Role of haemophillus vaginalis in the pathogenesis of urogenital diseases] Selikov AC, et al.
Zentralbl Gynaekol 97(6):365–7, 1975 (Eng. Abstr.) **(Ger)**

[Urinary infections due to Serratia marcescens: clinico–statistical pictures of patients hospitalized in the S. Maria della Scala Hospital in Siena during 1971, 1972, and 1973] Alegente G, et al. **Ann Sclavo** 17(6):833–41, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Indwelling catheter after laparotomy with special reference to retrograde urinary tract infections (author transl)] Ota H, et al. **Jpn J Antibiot** 29(6):607–11, Jun 76 **(Jpn)**

[Catheterization and urinary tract infections] Sander S, et al. **Tidsskr Nor Laegeforen** 95(34–36):1979–81, 10 Dec 75 (Eng. Abstr.) **(Nor)**

[Etiological factors in urinary tract infections with particular reference to nephropathogenic strains of Escherichia coli] Augustyniak B. **Pol Tyg Lek** 30(44):1817–9, 3 Nov 75 (Eng. Abstr.) **(Pol)**

[Pneumonia and renal complications in influenza in January of 1975] Shul'tser GP, et al. **Klin Med (Mosk)** 53(12):23–6, Dec 75 **(Rus)**

[Urinary infection and diabetes mellitus. Personal contribution on pathogenesis of urinary infection in the diabetic] Gómez–Arnáu JI, et al. **Rev Clin Esp** 141(4):331–40, 31 May 76 (Eng. Abstr.) **(Spa)**

[Urinary infection and diabetes mellitus. Clinical aspects, treatment and complications. Conclusions] Gómez–Arnáu JI, et al. **Rev Clin Esp** 141(5):441–8, 15 Jun 76 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Amount and avidity of antibody to Escherichia coli O antigen measured with the ammonium sulphate precipitation technique in children with urinary tract infections. Ahlstedt S, et al. **Int Arch Allergy Appl Immunol** 49(5):615–26, 1975

Studies of introital colonization in women with recurrent urinary infections. IV. The role of local vaginal antibodies. Stamey TA, et al. **J Urol** 115(4):413–5, Apr 76

Immunogenicity of Escherichia coli O antigen in upper urinary tract infection. Whitworth JA, et al. **Kidney Int** 8(5):316–9, Nov 75

The host–parasite relationship in urinary tract infections. Hanson LA, et al. **Kidney Int [Suppl]** Suppl 4:S28–34, Aug 75

Letter: Transfer factor and cell–mediated immunity in urinary–tract infections in children. Anttila R, et al.
Lancet 1(7954):315, 7 Feb 76

Bacteremia and urinary tract infection with a low virulent Pneumococcus (serotype 16) in an immunosuppressed patient. Melby K. **Scand J Infect Dis** 8(2):127–8, 1976

Host defense mechanisms in the urinary tract. Kaye D.
Urol Clin North Am 2(3):407–22, Oct 75 (14 ref.)

[Serum antibody titers in patients with chronic bacteriuria and their significance with respect to the localization of urinary infection (author's transl)] Bohuslav V, et al.
Cas Lek Cesk 114(31–32):981–3, 8 Aug 75 (Eng. Abstr.) **(Cze)**

[Serum antibodies in urinary infection in children. Significance and relation to pyelonephritis] Bégué P, et al. **Nouv Presse Med** 5(6):339–42, 7 Feb 76 (Eng. Abstr.) **(Fre)**

[The determination of hemagglutinating antibodies with polyvalent E, coli O antigens in infections of the urinary tract in childhood (author's transl)] Strohm WD.
Munch Med Wochenschr 118(5):141–4, 30 Jan 76 (Eng. Abstr.) **(Ger)**

METABOLISM

[Serotypes of Escherichia coli isolated from clinical specimens – with special reference to stains isolated in urinary tracts infections] Kobayashi A.
J Jpn Assoc Infect Dis 50(1):4–9, Jan 76 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

The periurethral aerobic flora in girls highly susceptible to urinary infections. Bollgren I, et al.
Acta Paediatr Scand 65(1):81–7, Jan 76

Sepsis of urological origin: microbiological aspects. Foz A.
Antibiot Chemother 21:69–72, 1976

Factors influencing the response of Escherichia coli to antibiotics in conditions prevailing in the infected urinary bladder. Greenwood D, et al. **Br J Exp Pathol** 57(3):303–9, Jun 76

Infections of the genital and urinary tracts with mycoplasmas and ureaplasmas. pp. 53–62. Mårdh PA, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

The antimicrobial sensitivities of urinary pathogens, 1971–1974. pp. 369–75. Grüneberg RN.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Bacteriological study of cases of upper and lower urinary tract infection. Singh P, et al. **Indian J Med Res** 62(12):1910–6, Dec 74

Significance of anaerobic bacteria isolated from the urinary tract. II. Experimental studies. Kumazawa J, et al. **Invest Urol** 13(4):309–12, Jan 76

Studies on the effect of amoxycillin and ampicillin on Enterobacteriaceae in an experimental model of urinary infection. Anderson JD, et al. **J Antimicrob Chemother** 1(2):197–204, Jun 75

Significance of urinary isolates of coagulase-negative Micrococcaceae. Williams DN, et al. **J Clin Microbiol** 3(6):556–9, Jun 76

Susceptibility of urinary pathogens to various antimicrobial substances: a four-year study. Grüneberg RN. **J Clin Pathol** 29(4):292–5, Apr 76

Variants of Escherichia coli giving the appearance of mixed growths in urine. Nichols GL. **J Clin Pathol** 28(9):728–30, Sep 75

Prevalence of R factors in Pseudonomas aeruginosa. Kono M, et al. **J Gen Microbiol** 91(1):191–4, Nov 75

Escherichia coli serogroups prevalent in urinary tract infections in Bombay. Mahapatro RC, et al. **J Indian Med Assoc** 65(7):189–92, 1 Oct 75

Prevalence of toxigenic and invasive strains of Escherichia coli in a hospital population. Wachsmuth IK, et al. **J Infect Dis** 132(5):601–3, Nov 75

The relevance of growth rates in urine to the pathogenesis of urinary-tract infections due to Micrococcus subgroup 3 (Staphylococcus saprophyticus biotype 3). Anderson JD, et al. **J Med Microbiol** 9(3):317–23, Aug 76

The influence of antibiotic treatment on resistance patterns of coliform bacilli in childhood urinary-tract infection. Grüneberg RN, et al. **J Med Microbiol** 9(2):233–7, May 76

Mycobacteria fortuitum in the urinary tract: a case report. Rosen DI. **J Urol** 114(6):951–2, Dec 75

Studies of introital colonization in women with recurrent urinary infections. I. The role of vaginal pH. Stamey TA, et al. **J Urol** 114(2):261–3, Aug 75

Studies of introital colonization in women with recurrent urinary infections. II. A comparison of growth in normal vaginal fluid of common versus uncommon serogroups of Escherichia coli. Stamey TA, et al. **J Urol** 114(2):264–7, Aug 75

Studies of introital colonization in women with recurrent urinary infections. III. Vaginal glycogen concentrations. Stamey TA, et al. **J Urol** 114(2):268–70, Aug 75

Studies of introital colonization in women with recurrent urinary infection. VI. Analysis of segmented leukocytes on the vaginal vestibule in relation to enterobacterial colonization. Stamey TA, et al. **J Urol** 116(1):72–3, Jul 76

Experimental Escherichia coli urinary infection in the rat. Taylor PW, et al. **Kidney Int** 8(4):233–8, Oct 75

R-factors in urinary tract infection. Harkness JL, et al. **Kidney Int [Suppl]** Suppl 4:S130–3, Aug 75

Letter: Cold-sensitive strain of Pseudomonas aeruginosa from urinary-tract infection. Annear DI, et al. **Lancet** 2(7893):1382, 7 Dec 74

Letter: Urinary infections in general practice. Crump J, et al. **Lancet** 1(7970):1184–5, 29 May 76

Letter: Pyelonephritis and coliform infections of the urinary tract. MacLaren DM. **Lancet** 2(7934):556, 20 Sep 75

Letter: Enterobacter urinary infection. Mummery RV. **Lancet** 2(7944):1092–3, 29 Nov 75

Micrococcal urinary-tract infections in young women. Sellin M, et al. **Lancet** 2(7935):570–2, 27 Sep 75

Antimicrobial resistance in urinary tract infections. Miller TE, et al. **NZ Med J** 81(542):552–7, 25 Jun 75

Search for uro-genital tract infections in patients with symptoms of prostatitis. Studies on aerobic and strictly anaerobic bacteria, mycoplasmas, fungi, trichomonads and viruses. Mårdh PA, et al. **Scand J Urol Nephrol** 9(1):8–16, 1975

The prevalence of ampicillin, cephalosporin and sulphonamide resistance amongst urinary tract pathogens. Andrews J, et al. **Scott Med J** 20(5):232–5, SEP 76

Hospital acquired urinary infections and the indwelling catheter. Andriole VT. **Urol Clin North Am** 2(3):451–69, Oct 75 (45 ref.)

Urinary tract infections in pregnancy. Andriole VT. **Urol Clin North Am** 2(3):485–98, Oct 75 (35 ref.)

[Bacteriological detection of asymptomatic urinary tract infections] Agoli B, et al. **Lijec Vjesn** 97(2):83–8, Feb 75 (Eng. Abstr.) **(Cro)**

[Antibiotic sensitivity of actual bacterial flora from a urological clinic] Marx FJ. **Adv Clin Pharmacol** 8:33–5, 1974 **(Ger)**

[Proceedings: Bacteriological problems in urology] Hirsch HA. **Arch Gynaekol** 219(1–4):219, 18 Nov 75 **(Ger)**

[Susceptibility of various bacteria isolated from patients with infections of the urinary tract against carbenicillin] Ringelmann R, et al. **Immun Infekt** 1(1):43–50, Oct 73 (Eng. Abstr.) **(Ger)**

[Drug therapy and prevention of urinary tract infections in children. Podium discussions held during the 71st session of the Deutsche Gesellschaft für Kinderheilkunde, Sep 11, 1974. Bacteriological and immunological principles] Sietzen W. **Monatsschr Kinderheilkd** 123(6):519–21, Jun 75 **(Ger)**

[Infection analysis in pyeloplasty with special reference to endoprosthesis] Meridies R, et al. **Urologe [A]** 15(3):128–30, May 76 (Eng. Abstr.) **(Ger)**

[The effect of standardised sodium hypochlorite solution on bacteria pathogenic for the urinary tract (author's transl)] Skoluda D, et al. **Urologe [A]** 15(1):33–8, Jan 76 (Eng. Abstr.) **(Ger)**

[Bacteriological studies on postoperative urine elimination through nephrostomy, transparenchymal splint catheter and endoprosthesis following surgery of the kidney pelvis and ureter] Stadie G. **Z Urol Nephrol** 67(9):647–51, Sep 74 **(Ger)**

[On the biological activity of Escherichia strains, with special reference to fimbriae (author's transl)] Semenitz E. **Zentralbl Bakteriol [Orig A]** 232(1):55–60, Jun 75 (Eng. Abstr.) **(Ger)**

[Bacteriology of juvenile urinary tract infections] Varese LA, et al. **Minerva Pediatr** 27(32):1761–8, 20 Oct 75 (Eng. Abstr.) **(Ita)**

[Indwelling catheter after laparotomy with special reference to retrograde urinary tract infections (author transl)] Ota H, et al. **Jpn J Antibiot** 29(6):607–11, Jun 76 **(Jpn)**

[Urinary tract infections among the aged—clinical and bacteriological study of urinary tract infections among the subjects in nursing homes] Igari J, et al. **Jpn J Geriatr** 12(5):291–7, Sep 75 (Eng. Abstr.) **(Jpn)**

[On clinical observations of urinary tract infections by Serratia marcescens (author's transl)] Matsuoka S, et al. **Jpn J Urol** 67(6):439–43, Jun 76 (Eng. Abstr.) **(Jpn)**

[Sensitivity of microorganisms causing urinary tract infections to various drugs] Augustyniak B, et al. **Med Dosw Mikrobiol** 28(1):1–8, 1976 (Eng. Abstr.) **(Pol)**

[Uropathogenic and non-uropathogenic serotypes of E. coli in various clinical forms of urinary tract infections] Hebanowski M, et al. **Pol Tyg Lek** 31(6):217–20, 9 Feb 76 (Eng. Abstr.) **(Pol)**

[Multistrain urinary tract infections] Pawliszyn W. **Wiad Lek** 29(11):969–74, 1 Jun 76 (Eng. Abstr.) **(Pol)**

[Salmonellae in urinary system infections] Baykal M. **Mikrobiyol Bul** 9(4):315–9, Oct 75 (Eng. Abstr.) **(Tur)**

NURSING

Nurse practitioner management of common respiratory and genitourinary infections, using protocols. Komaroff AL, et al. **Nurs Res** 25(2):84–9, Mar-Apr 76

OCCURRENCE

An outbreak of nosocomial Proteus rettgeri urinary tract infection. Lindsey JO, et al. **Am J Epidemiol** 103(3):2461–9, Mar 76

Letter: Urinary tract infection in children of preschool age. Meadow SR, et al. **Arch Dis Child** 50(7):578, Jul 75

Sex-related incidence in proteus infection of the urinary tract in childhood. Saxena SR, et al. **Arch Dis Child** 50(11):899–901, Nov 75

Urinary tract infection in adult women: morbidity without mortality. Syme RR. **Aust Fam Physician** 5(3):335–39, Apr 76

Genital infections in females attending general practice. Nisbet WH. **Health Bull (Edinb)** 34(2):72–6, Mar 76

Epidemics of nosocomial urinary tract infection caused by multiply resistant gram-negative bacilli: epidemiology and control. Schaberg DR, et al. **J Infect Dis** 133(3):363–6, Mar 76

Analysis of 1,423 (new patients) referred to the nephro-urology department of the Jinnah post-graduate medical centre, Karachi—a five years study. Farooqui S, et al. **JPMA** 25(10):286–8, Oct 75

Analysis of 1,423 (new patients) referred to the nephro-urology department of the Jinnah post-graduate medical centre, Karachi—a five years study. Farooqui S, et al. **JPMA** 25(10):286–8, Oct 75

Screening for urinary tract infection in nonpregnant women. Alwall N. **Kidney Int [Suppl]** Suppl 4:S107–12, Aug 75

Morbidity, age and sex distribution, recurrences and renal scarring in symptomatic urinary tract infection in childhood. Winberg J, et al. **Kidney Int [Suppl]** Suppl 4:S101–6, Aug 75

Infections of the genito-urinary tract in young adult female university students. Murray C, et al. **Public Health** 89(6):287–96, Sep 75

[Influence of hormonal contraceptives on the incidence of urinary tract infections] Magdowski E. **Zentralbl Gynaekol** 97(20):1268–71, 1975 (Eng. Abstr.) **(Ger)**

[Hospital case records of infantile nephropathology during the past 5 years] De Angelis P, et al. **Pediatria (Napoli)** 82(4):557–68, 31 Dec 74 (Eng. Abstr.) **(Ita)**

PARASITOLOGY

A quantitative post mortem analysis of urinary schistosomiasis in Egypt. II. Evolution and epidemiology. Smith JH, et al. **Am J Trop Med Hyg** 24(5):806–22, Sep 75

Present situation of schistosomiasis in the Libyan Arab Republic. I.Bilharziasis in Ubari District in Fezzan (Sebha Governorate. El-Gindy MS, et al. **Egypt J Bilharz** 2(1):117–30, 1975

Preliminary report on some clinical and biochemical observations in patients treated with Bilharcid. Farid F, et al. **Egypt J Bilharz** 2(1):31–6, 1975

Accidental parasitism of man with two gordiids. de Lucena DT, et al. **Rev Inst Med Trop Sao Paulo** 17(6):390–3, Nov-Dec 75

PATHOLOGY

[Contributions of studies on experimental pyelonephritis to the problems of human urinary tract infections] Münter W. **Z Gesamte Hyg** 22(1):56–61, Jan 76 (39 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The recovery of function of chronically obstructed and infected ureters. Rose JG, et al. **Invest Urol** 13(2):125–30, Sep 75

Effect of vesicoureteral reflux on renal function in children with recurrent urinary tract infection.s Aperia A, et al. **Kidney Int** 9(5):418–23, May 76

PREVENTION & CONTROL

Prophylaxis in urinary tract infection in children with myelomeningocele. Hellström B, et al. **Dev Med Child Neurol** 18(3):302–4, Jun 76

Letter: Urinals soaked in disinfectants. Emmerson AM, et al. **Lancet** 2(7927):232–3, 2 Aug 75

Aprospective study of urinary-tract infections in a Dutch general practice. Gaymans R, et al. **Lancet** 02(7987):674–7, 25 Sep 76

Infection control audit of a nursing procedure: collection of midstream specimens of urine. Stronge J. **Nurs Times** 72(15):suppl:27–8, 15 Apr 76

Detection of urinary tract infections in 3- to 5-year-old girls by mothers using a nitrite indicator strip. Kunin CM, et al. **Pediatrics** 57(6):829–35, Jun 76

The prevention of recurrent urinary tract infection in women. Jameson RM. **Practitioner** 216(1292):178–81, Feb 76

Iatrogenic urinary infections. Dale GA. **Urol Clin North Am** 2(3):471–84, Oct 75

Prevention and management of infection in the catheterized patient. Fincke BG, et al. **Urol Clin North Am** 3(2):313–21, Jun 76

Indwelling catheter and risk of urinary infection: a clinical investigation with a new closed-drainage system. Wolff G, et al. **Urol Res** 4(1):15–8, 21 Apr 76

Letter: Role of pubic hair in urinary tract infections. Hanafy HM. **Urology** 7(2):237, Feb 76

[Value of rifamycin sv used in situ in urologic surgery] Patoir G, et al. **Lille Med** 21(1 suppl 1):8–12, Jan 76 **(Fre)**

[When should the medicamentous prevention of catheter infection be started?] Obolensky W, et al. **Arch Gynaekol** 219(1–4):240–1, 18 Nov 75 **(Ger)**

[Proceedings: Is there a meaningful chemoprophylaxis against urinary tract infections?] Kunz J, et al. **Gynaekol Rundsch** 15 suppl 1:125–6, 1975 **(Ger)**

[Urinary tract infections in children. Drug therapy and prevention] Daschner F. **Monatsschr Kinderheilkd** 123(6):526–9, Jun 75 **(Ger)**

[A possibility for the prevention of recurrences in infections of the efferent urinary pathways] Gärtner JK. **Z Aerztl Fortbild (Jena)** 69(17):920–1, 1 Sep 75 **(Ger)**

[Progress in the prevention and control of urologic complications of the cervix carcinoma. I. Urinary tract infections] Blackstein S, et al. **Zentralbl Gynaekol** 98(6):338–44, 1976 (Eng. Abstr.) **(Ger)**

[The need for early therapy in gynecologic patients with postoperative indwelling catheters] Meyer FP, et al. **Zentralbl Gynaekol** 97(6):333–42, 1975 (Eng. Abstr.) **(Ger)**

[Diagnosis, treatment and control of urinary tract infections in children] Monn E. **Tidsskr Nor Laegeforen** 95(34–36):1981–4, 10 Dec 75 (Eng. Abstr.) **(Nor)**

[Preventive Hiprex in urinary tract operations] Sander S, et al. **Tidsskr Nor Laegeforen** 96(3):167–9, 30 Jan 76 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Radiological findings in newborn infants with urinary infection. Drew JH, et al. **Arch Dis Child** 51(8):628–30, Aug 76

The findings reported in patients undergoing excretory urography for recurrent urinary tract infection. Fletcher EW, et al. **J R Coll Gen Pract** 25(151):146–50, Feb 75

Letter: Urinary-tract infection in children. **Lancet** 2(7933):511–2, 13 Sep 75

Letter: Urinary-tract infection in children. Hole R. **Lancet** 2(7934):555–6, 20 Sep 75

The justification for early radiological investigations of urinary-tract infection in children. Saxena SR, et al. **Lancet** 2(7931):403–4, 30 Aug 75

X-ray diagnosis in urinary tract infection. Devadason I. **Med J Malaysia** 30(2):114–20, Dec 75

[Urinary infections and radiology] Jacot C, et al. **Rev Med Suisse Romande** 95(3):199–205, Mar 75 **(Fre)**

[Importance of vesico-renal reflux in the diagnosis of urinary tract infections] Rupprecht E, et al. **Z Aerztl Fortbild (Jena)** 69(20):1060–4, 15 Oct 75 **(Ger)**

[Clinical and animal experiment studies on the radiological diagnosis of anuric kidneys] Freitag J, et al. **Z Urol Nephrol** 68(5):331–9, May 75 **(Ger)**

SURGERY

[Urinary infections and surgery] Schneider S. **Rev Med Suisse Romande** 95(3):173–80, Mar 75 **(Fre)**

[Drug therapy and prevention of urinary tract infections in children. Clinical course and prognosis] Olbing H. **Monatsschr Kinderheilkd** 123(6):522–5, Jun 75 **(Ger)**

[Etiology and therapy of recurrent urinary tract infection and enuresis in girls (author's transl)] Harzmann R, et al. **Urol Int** 30(6):455–61, 1975 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of urinary bilharziasis. Wagenknecht LV. **Bull Soc Int Chir** 34(2):131–5, 1975

Management criteria, documentation, and peer review of initial urinary tract infection. Margileth AM, et al. **Pediatrics** 57(5):754–9, May 76

The treatment of urinary tract infection. McGeown MG. **Practitioner** 215(1288):474–9, Oct 75

Management of Urinary tract infections in children. Riley HD Jr. **Urol Clin North Am** 2(3):537–56, Oct 75 (23 ref.)

Management of children with urinary tract infections: the Stanford experience. Govan DE, et al. **Urology** 6(3):273–86, Sep 75

TRANSMISSION

The epidemiology of nosocomial enterococcal urinary tract infection. Gross PA, et al. **Am J Med Sci** 272(1):75–81, Jul–Aug 76

URINE

Urease. The primary cause of infection-induced urinary stones. Griffith DP, et al. **Invest Urol** 13(5):346–50, Mar 76

Urine examination of 1,460 patients suspected of urinary tract infection. Ahmed SI, et al. **JPMA** 25(7):169–70, Jul 75

Urine examination of 1,460 patients suspected of urinary tract infection. Ahmed SI, et al. **JPMA** 25(7):169–70, Jul 75

Letter: Kass's criterion for U.T.I. **Lancet** 1(7965):909–10, 24 Apr 76

Urine sediment as an indicator of urinary tract infection. Bennett MJ, et al. **Va Med Mon** 102(11):952–6, Nov 75

[Evaluation of diagnostic parameters in chronic recurrent urinary tract infection in children. III. Pyuria, hematuria, and proteinuria (author's transl)] Daschner F. **Dtsch Med Wochenschr** 101(37):1350–3, 10 Sep 76 (Eng. Abstr.) **(Ger)**

[Urinary tract infections in the material of 500 quantitative cultures of urine (author's transl)] Hanzlik J, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:169–76, 1974 (Eng. Abstr.) **(Pol)**

URINATION

Effects of major resection of the sacrum. Clinical studies on urogenital and anorectal function and a biomechanical study on pelvic strength. Gunterberg B. **Acta Orthop Scand [Suppl]** (162):1–38, 1976

Object-directed urine-marking by male rats (Rattus norvegicus). Brown RE. **Behav Biol** 15(2):251–4, Oct 75

The effects of exposure to conspecific urine on urine-marking in male and female degus (Octodon degus). Kleiman DG. **Behav Biol** 14(4):519–26, Aug 75

Introital bacterial flora – effect of increased frequency of micturition. Seddon JM, et al. **Br J Urol** 48(3):211–8, Jun 76

Role of uroflowmetry in the assessment of lower urinary tract obstruction in adult males. Shoukry I, et al. **Br J Urol** 47(5):559–66, Oct 75

Developement of circadian rhythms in infancy. Mills JN. **Chronobiologia** 2(4):363–71, Oct–Dec 75 (25 ref.)

Influence of bladder filling and micturition on monosynaptic reflexes. Pedersen E, et al. **Electromyogr Clin Neurophysiol** 15(1):57–66, Jan–Apr 75

Influence of ureteral catheter size on urinary flow rate and glomerular filtration rate in the rat. Vandewalle A, et al. **Eur J Clin Invest** 6(2):187–9, 31 Mar 76

The clinical importance of reflex activity in micturition. pp. 164–70. Comarr AE.
In: Buerger AA, Tobis JS, ed. Neurophysiologic aspects of rehabilitation medicine. Springfield, Ill., Thomas, 1976. WL 102 I615n 1974. (10 ref.)

Fetal urine production and amniotic fluid volume in 15 cases of polyhydramnios. pp. 297–303. Wladimiroff JW, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

Urinary flow rate in benign prostatic hypertrophy. Anikwe RM. **Int Surg** 61(2):109–11, Feb 76

Improved voiding in response to electrical stimulation of the spinal cord of paraplegic dogs. Dreyer DA, et al. **Invest Urol** 14(1):54–6, Jul 76

Studies on the feasibility of urinary bladder evacuation by direct spinal cord stimulation. II. Poststimulus voiding: a way to overcome outflow resistance. Jonas U, et al. **Invest Urol** 13(2):151–3, Sep 75

Studies on the feasibility of urinary bladder evacuation by direct spinal cord stimulation. I. Parameters of most effective stimulation. Jonas U, et al. **Invest Urol** 13(2):142–50, Sep 75

Spinal cord stimulation versus detrusor stimulation. A comparative study in six 'acute' dogs. Jonas U, et al. **Invest Urol** 13(3):171–4, Nov 75

Voiding pressure as it relates to outlet and/or sphincteric resistance. Jonas U, et al. **Invest Urol** 13(5):372–4, Mar 76

Urodynamic evaluation of a chronically implanted bladder pacemaker. Jones LW, et al. **Invest Urol** 13(5):375–9, Mar 76

Central effect of bladder filling and voiding. Mai J, et al. **J Neurol Neurosurg Psychiatry** 39(2):171–7, Feb 76

Neurology of micturition. Bradley WE, et al. **J Urol** 115(5):481–6, May 76 (33 ref.)

An evaluation of average flow rate in traumatic neurogenic bladder dysfunction. Iwatsubo E, et al. **J Urol** 114(6):871–3, Dec 75

Sphincter stretch: a new technique resulting in continence and complete voiding in paraplegics. Kiviat MD, et al. **J Urol** 114(6):895–7, Dec 75

Voiding cystourethrography with patient in the standing position. Raghavaiah NV. **J Urol** 115(4):447–8, Apr 76

Measurement of urinary bladder emptying using electrical impedance. Denniston JC, et al. **Med Biol Eng** 13(2):305–6, Mar 75

The measurement of residual urine volume by electrical impedance in man. Doyle PT, et al. **Med Biol Eng** 13(2):307–8, Mar 75

On the peripheral bladder control system of the dog and urodynamics: in vivo characterisation and hybrid computer simulation. Drolet R, et al. **Med Biol Eng** 13(1):40–55, Jan 75

A new instrument for computing the urethral resistance in urodynamic studies. Smith DB, et al. **Med Biol Eng** 13(3):472–4, May 75

Spraying by castrated tomcats. **Mod Vet Pract** 56(10):729–31, Oct 75

Manual stimulation of micturition. Northway RB. **Mod Vet Pract** 56(12):832, Dec 75

Role of fetal deglutition and micturition in the production and turnover of amniotic fluid in the monkey. Minei LJ, et al. **Obstet Gynecol** 48(2):177–81, AUG 76

Urinary flow and flow pattern in paralegics. Madersbacher. **Paraplegia** 13(2):95–100, Aug 75

Micturition patterns in patients paraplegic following spinal cord injury. Smith PH, et al. **Paraplegia** 13(4):235–42, Feb 76

Problems in biofeedback training: an experimental analogy-urination. Peper E. **Perspect Biol Med** 19(3):404–12, Spring 76

Psychological aspects of urination in renal failure patients. Pinney EL Jr. **Psychosomatics** 17(1):35–6, 1976

Investigation of ureteric function with simultaneous intraureteric pressure recordings and ureteropyelography. Ulmsten U, et al. **Radiology** 117(2):283–9, Nov 75

Bacterial contamination of urine, collected in fractions from different phases of micturition. A study in healthy women. Henning C, et al. **Scand J Infect Dis** 7(3):197–200, 1975

Application of ultrasonic shift Doppler technique to record velocity changes of intrauretral urine flow. Yamaguchi O, et al. **Tohoku J Exp Med** 118(1):53–7, Jan 76

Controlled electrical bladder evacuation via stimulation of the sacral micturition center or direct detrusor stimulation. Jonas U, et al. **Urol Int** 31(1–2):108–10, 1976

Bladder neck and urethra in a physical model. Schäfer W, et al. **Urol Int** 31(1–2):20–2, 1976

Is nocturia of prostatism secondary to renal concentrating defect? Stone CI, et al. **Urology** 8(1):46–8, Jul 76

[Spinal shock and micturation] Viktorov I, et al. **Khirurgiia (Sofiia)** 28(4):347–51, 1975 (Eng. Abstr.) **(Bul)**

[Urodynamic principles of vesicourethral function and their measurement in gynecologic urology] Kopečný J. **Cesk Gynekol** 41(4):294–6, Jun 76 **(Cze)**

[Normal micturition urethrography in women] Germeau F. **Acta Urol Belg** 42(4):434–51, Oct 74 (Eng. Abstr.) **(Fre)**

[Reproducibility of urinary flow curves] Dutartre D, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):484–94, Dec 74 **(Fre)**

[Importance of urostatic and urodynamic research methods in the classification of neurogenic bladder] Frimodt-Moller C, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):213–8, Dec 74 **(Fre)**

[Neural mechanism of urination] Gil-Vernet S. **J Urol Nephrol (Paris)** 80(12 pt 2):419–21, Dec 74 **(Fre)**

[Myotropic electrostimulation of the bladder. Experimental research] Melchior H, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):443–7, Dec 74 **(Fre)**

[Urodynamic study of the neurogenic bladder] Sole-Balcells F, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):219–24, Dec 74 **(Fre)**

[Value of functional cystography with cold contrast medium and urodynamic study of supranuclear neurogenic bladder] Sole-Balcells F, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):224–9, Dec 74 **(Fre)**

[Physiology of miction and etiology of urinary incontinence] Beck L. **Arch Gynaekol** 219(1–4):191–3, 18 Nov 75 **(Ger)**

[Letter: Miction syncope] Hohenfellner R. **Dtsch Med Wochenschr** 100(43):2234, 24 Oct 75 **(Ger)**

[Uroflowmetry in the diagnosis of neurogenic bladder disorders] Schneider E. **Nervenarzt** 46(4):203–7, Apr 75 **(Ger)**

[Detection of miction course by means of radionuclides (author's transl)] Hliscs R, et al. **Radiobiol Radiother (Berl)** 17(1):189–94, 1976 (Eng. Abstr.) **(Ger)**

[Uroflowmetric studies of enuretic patients] Festge OA, et al. **Z Urol Nephrol** 68(5):321–30, May 75 **(Ger)**

[Isotope-uroflowmetry] Popelier G. **Z Urol Nephrol** 70(6):451–7, Jun 75 **(Ger)**

[A new principle of direct uroflowmetry and its use] Wehnert J, et al. **Z Urol Nephrol** 70(6):445–50, Jun 75 **(Ger)**

[Proceedings: Urinary reflex—a study by simulation] Kikuchi M, et al. **J Physiol Soc Jpn** 36(8–9):335, 1 Sep 74 **(Jpn)**

[The investigation of voiding mechanism in children. 1st report: Study with urinary flow-rate and velocity by ultrasonic doppler flowmeter (author's transl)] Fukui J. **Jpn J Urol** 67(6):417–38, Jun 76 (Eng. Abstr.) **(Jpn)**

[Application of ultrasonic shift doppler technique to study the dynamics of lower urinary tract (author's transl)] Tsuchida S, et al. **Jpn J Urol** 67(5):326–32, May 76 (Eng. Abstr.) **(Jpn)**

[Post-miction syncope] Kasztelan Z. **Pol Przegl Chir** 47(11A):1495–6, Nov 75 **(Pol)**

[Importance of the miction curve in the evaluation of surgical results in prostatic adenoma] Steinmetz L. **Pol Przegl Chir** 47(11A):1427–34, Nov 75 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Lithium orotate, carbonate and chloride: pharmacokinetics, polyuria in rats. Smith DF. **Br J Pharmacol** 56(4):399–402, Apr 76

The effect of adrenergic blocking drugs on outflow resistance. Whitfield HN, et al. **Br J Urol** 47(7):823–7, 1975

Effects of chlorpromazine on fear-motivated behavior, urinary cortisol, urinary volume and heart rate in the dog. Houser VP, et al. **Psychol Rep** 38(1):299–308, Feb 76

URINATION DISORDERS

Letter: Urinary retention in women. **Br Med J** 2(6032):420–1, 14 Aug 76

Problems of childhood. Disorders of micturition, abnormalities of urine, and urinary tract infection. Meadow R. **Br Med J** 1(6019):1200–2, 15 May 76

External sphincter spasticity syndrome in female patients. Raz S, et al. **J Urol** 115(4):443–6, Apr 76

Dysuria in women. Dans PE, et al. **Johns Hopkins Med J** 138(1):13–18, Jan 76

Psychogenic urinary retention in women. Barrett DM. **Mayo Clin Proc** 51(6):351–6, Jun 76

Disorders of micturition in the elderly. Pinel C. **Nurs Times** 71(51):2019–21, 18 Dec 75

CHEMICALLY INDUCED

Letter: Side effect of ibuprofen therapy. Novack SN. **Arthritis Rheum** 18(6):628, Nov–Dec 75

Letter: An unusual adverse reaction with butyrophenone therapy. Ruskin R, et al. **Can Psychiatr Assoc J** 20(6):498–9, Oct 75

Letter: Urinary retention as complication of levodopa therapy. Jotkowitz S. **JAMA** 235(24):2586, 14 Jun 76

COMPLICATIONS

Cause of death and prognosis of urinary tract infections and micturition disturbances in patients who had survived 5-years after treatment for cervical cancer. Miura S, et al. **Acta Obstet Gynaecol Jpn** 21(1):20–6, Jan 74

Intravaginal and intrauterine refluxing of urine in children; intravaginal refluxing of urine in women: some postulates arising from these findings. Beale G. **Australas Radiol** 19(2):194–8, Jun 75

Micturition syncope, hypokalemia, and atrial fibrillation. Kounis NG, et al. **JAMA** 236(8):954, 23 Aug 76

Disorders of micturition in bacterial prostatitis. Buck AC. **Proc R Soc Med** 68(8):508–11, Aug 75

[Effect of urinary transport function on the development of kidney calculi] Frang D, et al. **Acta Chir Acad Sci Hung** 16(4):343–9, 1975 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ultrasound assessment of residual urine in children. Harrison NW, et al. **Br J Urol** 47(7):805–14, 1975

Measurement of the volume of residual urine using 131I-hippuran and the gamma camera. Kalis E, et al. **Br J Urol** 47(5):567–70, Oct 75

Non-parasitic chyluria (presenting with urinary retention). Taylor TV, et al. **Br J Urol** 47(4):419–23, Aug 75

Computer analysis of electromyographic signals from the human bladder and urethral and anal sphincters. Doyle PT, et al. **Invest Urol** 13(3):205–10, Nov 75

A urosynamic analysis of micturition symptoms in the female. Farrar DJ, et al. **Surg Gynecol Obstet** 141(6):875–81, Dec 75

[Urodynamic measurement apparatus for the diagnosis of miction disorders in gynecology] Dreher E, et al. **Gynaekol Rundsch** 15(3):240–9, 1975 **(Ger)**

[Letter: The determination of the residual urine without the use of a catheter] Michaelis WE. **Med Klin** 71(1):34, 2 Jan 76 **(Ger)**

[Clinical diagnosis of subvesicular bladder emptying disorders] Festge OA, et al. **Zentralbl Chir** 100(8):487–94, 1975 **(Ger)**

[Oganization of a mictiographic room in the District Hospital] Savin VF. **Sov Med** (10):128–30, Oct 75 **(Rus)**

DRUG THERAPY

Hormone implants for urinary disorders in postmenopausal women. Schleyer-Saunders E. **J Am Geriatr Soc** 24(8):337–9, Aug 76

Use of dantrolene sodium in external sphincter spasm. Murdock MM, et al. **Urology** 8(2):133–7, Aug 76
[Conservative treatment of urinary bladder dysfunction in children] Kottová V, et al. **Cesk Pediatr** 31(5):262–3, May 76 (Eng. Abstr.) **(Cze)**
[Therapy of urination disorders and prostatitis using Nomon. Urodynamic studies] Klingeberg J. **Z Allgemeinmed** 51(7):335–8, 10 Mar 75 **(Ger)**

ETIOLOGY

Transient obstructive uropathy complicating percutaneous renal biopsy. Oettinger CW, et al. **Arch Intern Med** 135(12):1607–9, Dec 75
Acute urinary retention in the female. Doran J, et al. **Br J Urol** 47(7):793–6, 1975
Letter: Urinary retention in women. **Br Med J** 2(6034):524, 28 Aug 76
Letter: Urinary retention in women. Turner EB. **Br Med J** 2(6030):298, 31 Jul 76
Transient neurogenic urinary retention. Korczyn AD, et al. **Eur Neurol** 14(5):383–85, 1976
Neurourologic evaluation after resection of the sacrum. Gunterberg B, et al. **Invest Urol** 13(3):183–8, Nov 75
The relationship of urinary symptoms to significant bacteriuria. Tuxford AF. **J R Coll Gen Pract** 25(155):456–61, Jun 75
Approach to the frequency and dysuria syndrome. Cattell WR, et al. **Kidney Int [Suppl]** Suppl 4:S138–43, Aug 75
Letter: Urinary retention due to ritual circumcision. Berman W. **Pediatrics** 56(4):621, Oct 75
Letter: Abdominal distension following ritual circumcision. Horwitz J, et al. **Pediatrics** 57(4):579, Apr 76
Natural history of benign prostatic hypertrophy and acute urinary retention. Birkhoff JD, et al. **Urology** 7(1):48–52, Jan 76
Leiomyoma of vesicovaginal septum causing urinary retention. Brown RC, et al. **Urology** 6(3):379–81, Sep 75
Point of view: prostatoanal syndrome. Puigvert A. **Urology** 6(4):530–1, Oct 75
[Dysfunction of the lower vesical segment (author's transl)] Vučkov S, et al. **Lijec Vjesn** 98(1):14–8, Jan 76 (Eng. Abstr.) **(Cro)**
[Enuresis risoria (giggle micturition)] De Jonge GA. **Ned Tijdschr Geneeskd** 119(35):1335–8, 30 Aug 75 (Eng. Abstr.) **(Dut)**
[Bladder retention as a manifestation of persistant constipation] Bouffioux C, et al. **Acta Urol Belg** 43(1):77–83, Jan 75 (Eng. Abstr.) **(Fre)**
[Urinary manifestations of hematological diseases] de Leval J. **Acta Urol Belg** 43(1):96–100, Jan 75 (Eng. Abstr.) **(Fre)**
[Urinary manifestations of non-urological diseases] Wincqz PJ. **Acta Urol Belg** 43(1):71–2, Jan 75 **(Fre)**
[Urination problems and bicycling] Burstin S. **Lille Med** 20(9):852–8, Nov 75 **(Fre)**
[Urination velocity. Contribution in the evaluation of urination disorders after amputation of the rectum] Champault G, et al. **Nouv Presse Med** 5(22):1409–11, 29 May 76 **(Fre)**
[Micturitional disorders in multiple sclerosis (author's transl)] Leruitte A, et al. **Urol Int** 31(3):230–8, 1976 **(Fre)**
[Urination disorders in pelvic fractures] Madersbacher H. **Hefte Unfallheilkd** (124):308–12, 1975 **(Ger)**
[Urologic complications in rectal surgery (author's transl)] Winkler R, et al. **Langenbecks Arch Chir** 338(3):235–42, 9 Jun 75 (Eng. Abstr.) **(Ger)**
[Chronic psychogenic urinary retention] Mester H. **Z Psychosom Med Psychoanal** 21(4):314–44, Oct–Dec 75 (Eng. Abstr.) **(Ger)**
[Unusual pregnancy complication manifested by urologic symptoms] Szécskai A, et al. **Orv Hetil** 117(17):1041–2, 25 Apr 76 **(Hun)**
[Functional bladder disorders following rectal amputation] Renkielski J. **Pol Przegl Chir** 48(7):893–8, Jul 76 (Eng. Abstr.) **(Pol)**
[Prolonged peridural block (clinical and bacteriological data)] Balaban M, et al. **Rev Chir [Chir]** 23(9):801–6, Nov–Dec 74 **(Rum)**

OCCURRENCE

Editorial: Urinary retention in women. **Br Med J** 1(6025):1554, 26 Jun 76

PHYSIOPATHOLOGY

Proceedings: A urodynamic investigation of patients with problems after prostatectomy. Abrams PH, et al. **Br J Surg** 63(8):655–6, Aug 76
Urodynamic findings in adult females with frequency and dysuria. Rees DL, et al. **Br J Urol** 47(7):853–60, 1975
Dyssynergic vesicourethral responses during bladder rehabilitation in spinal cord injury patients: effects of suprapubic percussion, credé method and bethanechol chloride. Yalla SV, et al. **J Urol** 115(5):575–9, May 76
Editorial: Postoperative overdistention of the bladder. Hinman F. **Surg Gynecol Obstet** 142(6):901–2, Jun 76
[Examinations of the dynamics of lower urinary pathways] Krolupper M, et al. **Rozhl Chir** 54(9):606–8, Sep 75 (Eng. Abstr.) **(Cze)**

PREVENTION & CONTROL

Catheterization in anorectal surgery. Scoma JA. **Arch Surg** 110(12):1506, Dec 75
Prevention of urinary retention by fluid restriction following anorectal operations. Bailey HR, et al. **Dis Colon Rectum** 19(3):250–2, Apr 76
Preventive procedure of dysuria after radical hysterectomy by adnexal flap fixation to the bladder. Yamaguchi R, et al. **Tohoku J Exp Med** 119(3):211–21, Jul 76
[Residual urine in early postoperative period after radical surgery for uterine carcinoma] Gruncić M. **Srp Arh Celok Lek** 102(9):665–73, Sep 74 (Eng. Abstr.) **(Ser)**

RADIOGRAPHY

[Radiologic study of the posterior ureter] Fiumicelli A. **J Radiol Electrol Med Nucl** 56 suppl 2:502–3, 1975 **(Fre)**

SURGERY

Letter: Re: An attempt to understand and to treat voiding dysfunctions during rehabilitation of the bladder in spinal cord injury patients. Hackler RH. **J Urol** 116(2):263, Aug 76
Differential diagnosis and limitations of external sphincterotomy. Leriche A, et al. **Paraplegia** 13(4):280–5, Feb 76
[Surgical management of ureteral evacuation disorders using a surgical gama camera] Kucera H, et al. **Zentralbl Gynaekol** 97(6):361–4, 1975 (Eng. Abstr.) **(Ger)**
[Set of trocars for drainage of the urinary bladder in acute urinary retension] Novikov IF, et al. **Med Tekh** (6):40–1, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

THERAPY

Intermittent non-sterile self-catheterization. Whitfield HN, et al. **Br J Surg** 63(4):330–2, Apr 76
A urodynamic view of bladder outflow obstruction in the female: factors influencing the results of treatment. Farrar DJ, et al. **Br J Urol** 47(7):815–22, 1975
Idiopathic chronic urinary retention in the female. Fox M, et al. **Br J Urol** 47(7):797–803, 1975
Metronome conditioned relaxation and urinary retention. Ray I, et al. **Can Psychiatr Assoc J** 20(2):139–41, Mar 75
Urological management in onon-traumatic paraplegia: disc protrusions, multiple sclerosis and spinal metastases. Jameson RM. **Paraplegia** 13(4):228–34, Feb 76
Electrotherapy and exercises for stress incontinence and urinary frequency. McQuire WA. **Physiotherapy** 61(10):305–7, Oct 75

URINE

see related
ALBUMINURIA
ALKAPTONURIA
AMINOACIDURIA, RENAL
ANURIA
BACTERIURIA
CYSTINURIA
GLYCOSURIA
HEMATURIA
HEMOGLOBINURIA
MAPLE SYRUP URINE DISEASE
PHENYLKETONURIA
POLYURIA
PROTEINURIA
PYURIA

Hormonal mechanisms involved in the control of oestrous cycle duration by the odour of urine in the rat. Chateau D, et al. **Acta Endocrinol (Kbh)** 82(2):426–35, Jun 76
Metrizamide in experimental urography. I. Iodine concentration and flow of urine following intravenous injection of an ionic and non-ionic contrast medium in rabbits. Golman K, et al. **Acta Radiol [Suppl] (Stockh)** (335):312–22, 1973
The relationship between the physiological condition of female mice and the effects of their urine on the social behaviour of adult males. Dixon AK, et al. **Anim Behav** 23(3):513–20, Aug 75
A system for automatic collection and removal of urine from male farm animals. Watts PR. **Br J Nutr** 36(2):295–7, Sep 76
Urinothorax—an unusual pleural effusion. Barek LB, et al. **Br J Radiol** 48(572):685–6, Aug 75
Studies on the chemical nature of urinary chemiluminescence. Rose GA. **Br J Urol** 48(1):61–71, Feb 76
Non-parasitic chyluria (presenting with urinary retention). Taylor TV, et al. **Br J Urol** 47(4):419–23, Aug 75
Problems of childhood. Disorders of micturition, abnormalities of urine, and urinary tract infection. Meadow R. **Br Med J** 1(6019):1200–2, 15 May 76
Multiple changes in distal stop-flow electrolyte patterns and reduction of acid excretion induced in rabbits by angiotensin. Healy JK, et al. **Clin Sci Mol Med** 50(2):91–102, Feb 76
The excretion of hyperosmotic urine and other aspects of the electrolyte balance of the lizard Amphibolurus maculosus. Braysher ML. **Comp Biochem Physiol [A]** 54(3):341–5, 1976
Relative medullary area: a new structural index for estimating urinary concentrating capacity of mammals. Brownfield MS, et al. **Comp Biochem Physiol [A]** 55(1):69–75, 1976
Cloacal absorption of urine in birds. Skadhauge E. **Comp Biochem Physiol [A]** 55(2a):93–8, 1976 (42 ref.)
Quantitative aging pattern in mouse urine vapor as measured by gas–liquid chromatography. Robinson AB, et al. **Exp Gerontol** 11(1–2):11–6, 1976
Temporal relationships of urinary constituents before and after long duration space flight. pp. 81–99. Leach CS, et al.
In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.
Characteristics of urinary circadian rhythms in a young man evaluated on a monthly basis during the course of 21 months. pp. 71–80. Sothern RB, et al.
In: Aschoff J et al., ed. Chronobiological aspects of endocrinology. Stuttgart, Schattauer, 1974. W3 C117H 1974c.
Study of urinary volume and creatinine excretion in women medical students. Butany VJ, et al. **Indian J Physiol Pharmacol** 19(4):193–8, Oct–Dec 75
The generation of formaldehyde from methenamine. Effect of urinary flow and residual volume. Musher DM, et al. **Invest Urol** 13(5):380–2, Mar 76
Investigation of urine transport in the ureter of the pig by x-ray videodensitometry. I. The effect of increasing diuresis on velocity and rhythm of contractions: relationship between pressure wave and urine bolus. Tscholl R, et al. **Invest Urol** 13(6):404–9, May 76
Investigation of urine transport in the ureter of the pig by x-ray videodensitometry. II. The effect of an increasing obstruction on velocity, rhythm, and efficiency of the contraction waves. Tscholl R, et al. **Invest Urol** 13(6):410–3, May 76
Clinical and lymphangiographic studies in haematochyluria. Shankar PS, et al. **J Assoc Physicians India** 23(9):553–7, Sep 75
A case of hypopituitarism with diabetes insipidus and loss of thirst. Role of antidiuretic hormone and angiotensin II in the control of urine flow and osmolality. Trust PM, et al. **J Clin Endocrinol Metab** 41(2):346–53, Aug 75
Parathyroid hormone preparations, salmon calcitonin, and urine flow in the South American lungfish, Lepidosiren paradoxa. Pang PK, et al. **J Exp Zool** 193(3):407–12, Sep 75
Inhibition of the antibacterial activity of gentamicin by urine. Minuth JN, et al. **J Infect Dis** 133(1):14–21, Jan 76
Serial urinary osmolality in pregnancy. Hadley R, et al. **J Natl Med Assoc** 67(5):373–4, Sep 75
Effects of various ambient temperatures and of heating and cooling the hypothalamus and cervical spinal cord on antidiuretic hormone secretion and urinary osmolality in pigs. Forsling ML, et al. **J Physiol (Lond)** 257(3):673–86, Jun 76
Proceedings: Urinary and temperature rhythms on days of abnormal length. Mills JN, et al. **J Physiol (Lond)** 257(1):54P–55P, May 76
Letter: VPC container. Matsumura KN, et al. **J Urol** 116(2):263–4, Aug 76
Dissolution of renal uric acid calculus with allopurinal and alkalization of urine: a case report. Neto M, et al. **J Urol** 115(6):740–1, Jun 76
Urinary ascites secondary to posterior urethral valves. Scott TW. **J Urol** 116(1):87–91, Jul 76
Experiences with 16 cases of pararenal pseudocyst. Thompson IM, et al. **J Urol** 116(3):289–92, Sep 76
Letter: Amniotic fluid on maternal urine? Pirani BB, et al. **Lancet** 1(7954):303, 7 Feb 76
Role of lymphography in management of filarial chyluria. Gandhi GM. **Lymphology** 9(1):11–8, Mar 76
The measurement of residual urine volume by electrical impedance in man. Doyle PT, et al. **Med Biol Eng** 13(2):307–8, Ma[illegible] 75
Nonosmolar factors affecting renal water excretion (second of two parts). Schrier RW, et al. **N Engl J Med** 292(3):141–5, 16 Jan 75 (68 ref.)
Letter: A forgotten procoagulant in human urine. von Kaulla KN. **N Engl J Med** 294(11):613–4, 11 Mar 76
Effect of Prepodyne as a perineal cleansing agent for clean catch specimens. Moore DS, et al. **Nurs Res** 25(4):259–61, Jul–Aug 76
Timed urinary tests—the nurse's role. Burke CW. **Nurs Times** 71(46):1813–5, 13 Nov 75
What the urine contains following athletic competition. Bailey RR, et al. **NZ Med J** 83(563):309–13, 12 May 76
Water consumption and urine volume in polydipsic and normal White Leghorn chickens. Benoff FH, et al. **Poult Sci** 55(3):1140–2, May 76
Urinary acidification in renal allografts. Graziani G, et al. **Proc Eur Dial Transplant Assoc** 11:277–83, 1975
A simple test for early detection of severe renal homograft rejection. Oppolzer R, et al. **Proc Eur Dial Transplant Assoc** 11:326–32, 1975
An apparatus for the measurement and sampling of urine from grazing female sheep. Chambers AR, et al. **Proc Nutr Soc** 34(2):71A–72A, Sep 75
The effect of dexamethasone on urinary acidification. Perez G, et al. **Proc Soc Exp Biol Med** 150(3):606–11, Dec 75
Prediction of radiosensitivity of a mouse from its physiological characteristics before x-irradiation. Nakamura W, et al. **Radiat Res** 65(3):500–10, Mar 76
Letter: Rapid assessment of volume of 24-hour urine samples. Pannall PR, et al. **S Afr Med J** 50(19):724, 1 May 76
Effect of urine flow on ureteral healing. Dale GA, et al. **Surg Forum** 26:594–6, 1975
Detection of urine loss using the Exeter recording nappy

and other similar devices. Rowan D, et al. **Urol Int** 31(1–2):70–7, 1976

Urodynamics. Melchior H. **Urol Res** 3(2):51–4, 8 Aug 75

[Diagnostic contribution of the withdrawal of urine by suprapubic puncture of the urinary bladder in children's bacteriuria] Hodr R, et al. **Cesk Pediatr** 30(9):411, Sep 75 **(Cze)**

[Non–parasitic chyluria] Salmela H, et al. **Duodecim** 91(13):822–9, 1975 **(Fin)**

[Recent data on mechanisms of urine concentration and dilution] Rouffignac C, et al. **J Physiol (Paris)** 71(2):181A–255A, Nov 75 **(Fre)**

[Simple method of residual urine determination without bladder catheterization (author's transl)] Hintze R, et al. **Dtsch Med Wochenschr** 100(50):2565–8, 12 Dec 75 (Eng. Abstr.) **(Ger)**

[Differentiation of the effect of diuretic urine extracts on the renal medullary blood flow (author's transl)] Heuer LJ, et al. **Klin Wochenschr** 54(10):475–8, 15 May 76 **(Ger)**

[Determination of glomerular filtration through the determination of urinary volume at a specific weight of 1001] Muschmov D. **Z Urol Nephrol** 68(12):885–9, Dec 75 **(Ger)**

[Chyluria: diagnostic problems in two cases] Penchas S, et al. **Harefuah** 89(1):16–9, 1 Jul 75 (Eng. Abstr.) **(Heb)**

[Case of chyluria of unestablished etiology] Chodorowski Z, et al. **Wiad Lek** 28(21):1803–6, 1 Nov 75 (Eng. Abstr.) **(Pol)**

[A method of registering the initiated chemiluminescence of urine in hygienic conditions] Turovech GL, et al. **Gig Sanit** (10):60–2, Oct 75 **(Rus)**

[Express method of measurement of specific gravity of urine] Serebriakov VI, et al. **Lab Delo** (4):245, 1975 **(Rus)**

[Method of separate collection of urine and feces from 1–month–old infant boys] Vasil'eva LP, et al. **Lab Delo** (4):245–6, 1975 **(Rus)**

[Biostatistics of the effect of ethrane on blood and urine] Nalda Felipe MA, et al. **Rev Esp Anestesiol Reanim** 22(4):334–54, Jul 75 **(Spa)**

ANALYSIS

Letter: Quantitation of casts in urine sediment. Burton JR, et al. **Ann Intern Med** 83(4):518–9, Oct 75

Free–water clearance and the early recognition of acute renal insufficiency after cardiopulmonary bypass. Landes RG, et al. **Ann Thorac Surg** 22(1):41–3, Jul 76

Daily excretion of normal urine constituents determined during toxicological investigations and phenobarbital's effect. Mikulski P, et al. **Bull Inst Marit Trop Med Gdynia** 27(1):33–6, 1976

Daily rhythmic variations in excretion of normal urine constituents determined during toxicological investigations and phenobarbital's effect. Mikulski P, et al. **Bull Inst Marit Trop Med Gdynia** 26(1):39–50, 1976

Why urinalysis? Harkness J. **Cent Afr J Med** 21(8):178–83, Aug 75

Urine vapor pattern for olivopontocerebellar degeneration. Rosenberg RN, et al. **Clin Biochem** 8(6):365–8, Dec 75

Seasonal variations in the composition of urine in relation to calcium stone–formation. Robertson WG, et al. **Clin Sci Mol Med** 49(6):597–602, Dec 75

The urinary drop spectrometer—an electrooptical instrument for urological analysis based on the external urine stream. Ritter RC, et al. **IEEE Trans Biomed Eng** 23(3):266–9, May 76

Adaptation of circadian rhythms in urinary excretions to local time, after rapid air travel. pp. 555–9. Gerritzen F, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**

Biochemical indices of nutrition of the Iglooligmiut. pp. 130–4. Sayed JE, et al. **In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.**

Potent inhibitors of calcification from human urine. Kumar S, et al. **Indian J Med Res** 63(12):1667–75, Dec 75

A therapeutic community's experience with a urine surveillance system for addiction. Carroll JF, et al. **Int J Addict** 10(4):675–91, 1975

A clinical tool with heroin addicts: the urine stall. Kram L. **Int J Addict** 10(4):633–41, 1975

The development of a computer–assisted search for anomalous compounds (CASAC). Jellum E, et al. **J Chromatogr** 112:573–80, 29 Oct 75

An inhibitor of sodium transport in the urine of dogs with normal renal function. Favre H, et al. **J Clin Invest** 56(5):1302–11, Nov 75

Suprapubic aspiration of urine in neonate. Sahu S. **J Iowa Med Soc** 66(1):11–3, Jan 76

Laboratory medicine. Clinical usefulness of serum and urine osmolality. Sotelo–Avila C, et al. **J Tenn Med Assoc** 69(2):110–13 concl, Feb 76

Letter: A supravital cytodiagnostic stain for urinary sediments. Sternheimer R. **JAMA** 234(3):274, 20 Oct 75

Effect of a high molecular weight fraction of normal urine on bone cell metabolism. Ritz E, et al. **Kidney Int [Suppl]** (3):338–40, Feb 75

Capillary tube urinalysis for small animals. Hayashi S, et al. **Lab Anim Sci** 25(6):781–2, Dec 75

Iowa wrestling study: changes in the urinary profiles of wrestlers prior to and after competition. Zambraski EJ, et al. **Med Sci Sports** 7(3):217–20, Fall 75

Iowa wrestling study: weight loss and urinary profiles of collegiate wrestlers. Zambraski EJ, et al. **Med Sci Sports** 8(2):105–8, Summer 76

Australia antigen (HB Ag) in genitourinary secretions of Nigerians. Osoba AO, et al. **Trop Geogr Med** 27(2):181–4, Jun 75

[Urine screening in young Danish drug addicts] Christiansen J, et al. **Ugeskr Laeger** 138(1):1–4, 29 Dec 75 (Eng. Abstr.) **(Dan)**

[Urine analysis (screening) in 3,881 lower–, middle– and upper–grade pupils] Veres Z, et al. **Aerztl Jugendkd** 66(5):417–8, Dec 75 **(Ger)**

[Chemical degradation of cereal straw. 5. Effect of sodium in NaOH–treated straw on the composition of blood and urine and on the excretion of various compounds] Voigt J, et al. **Arch Tierernaehr** 24(7–8):589–600, Oct 74 (Eng. Abstr.) **(Ger)**

[Effect of higher molecular urine metabolites on lymphocyte transformation and autohemolysis (author's transl)] Korz R, et al. **Klin Wochenschr** 53(16):761–6, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[New rational rapid diagnostic system in urine analysis] **Ther Ggw** 115(6):1090–2, Jun 76 **(Ger)**

[Effect of a higher molecular fraction of human urine on the transformation of healthy lymphocytes] Korz R, et al. **Verh Dtsch Ges Inn Med** 81:1199–1201, 1975 **(Ger)**

[Urine examination in general practice] Hofstetter A. **ZFA** 52(7):332–41, 10 Mar 76 **(Ger)**

[Antibacterial action of urine containing products of arbutin metabolism] Kedzia B, et al. **Med Dosw Mikrobiol** 27(3):305–14, 1975 (Eng. Abstr.) **(Pol)**

[Composition of the volatile compounds in human sweat and urine] Savina VP, et al. **Kosm Biol Aviakosm Med** 9(6):76–8, Nov–Dec 75 **(Rus)**

[Chemiluminescence method in examination of urine of healthy children] Margulis GV, et al. **Lab Delo** (1):44–5, 1976 **(Rus)**

[Changes in the blood and urine in percussive overloads] Simonov EE, et al. **Voen Med Zh** (7):53–5, Jul 75 **(Rus)**

[Renal urine acidity in normal school children] Ochoa E, et al. **Rev Chil Pediatr** 46(2):115–7, Mar–Apr 75 **(Spa)**

CYTOLOGY

Cytologic findings in female and male offspring of DES treated mothers. Bibbo M, et al. **Acta Cytol (Baltimore)** 19(6):568–72, Nov–Dec 75

Exfoliative cytopathologic studies in organ transplantation IV. The cytologic diagnosis of herpesvirus in the urine of renal allograft recipients. Bossen EH, et al. **Acta Cytol (Baltimore)** 19(5):415–9, Sep–Oct 75

A pitfall in urine cytology. A case report. Chappell LH, et al. **Acta Cytol (Baltimore)** 20(2):162–3, Mar–Apr 76

The value of phase contrast microscopy for urinary cytology, reliability and pitfalls. de Voogt HJ, et al. **Acta Cytol (Baltimore)** 19(6):542–6, Nov–Dec 75

Urothelial neoplasms of the upper urinary tract. A correlation between cytologic and histologic findings in 43 patients with urothelial neoplasms of the renal pelvis or ureter. Eriksson O, et al. **Acta Cytol (Baltimore)** 20(1):20–5, Jan–Feb 76

Computer discrimination between benign and malignant urothelial cells. Koss LG, et al. **Acta Cytol (Baltimore)** 19(4):378–91, Jul–Aug 75

Urinary cytologic changes after radiotherapy of renal transplants. O'Morchoe PJ, et al. **Acta Cytol (Baltimore)** 20(2):132–6, Mar–Apr 76

Differential count of urinary leucocytes and renal epithelial cells by phase contrast microscopy. Lindqvist B, et al. **Acta Med Scand** 198(6):505–9, Dec 75

Plasma cells in urine: occurrence in multiple myeloma. Riggs SA, et al. **Arch Intern Med** 135(9):1245–7, Sep 75

Cultivated cells from diagnostic amniocentesis in second trimester pregnancies. III. The fetal urine as a potential source of clonable cells. Hoehn H, et al. **Humangenetik** 29(4):285–90, 7 Oct 75

Urinary cytology automation. Preliminary studies with acridine orange stain and flow–through cytofluorometry. Melamed MR, et al. **Invest Urol** 13(5):331–8, Mar 76

Proceedings: Urinary cytology in the assessment of progress after renal transplantation. Bisson M, et al. **J Clin Pathol** 29(1):86, Jan 76

Slit–scan cytofluorometry. Basis for automated prescreening of urinary tract cytology. Cambier MA, et al. **J Histochem Cytochem** 24(1):305–7, Jan 76

Early prediction of acute homograft rejection: urinary assay for polyribosomal–rich lymphocytes. Firlit CF, et al. **J Urol** 115(2):183–7, Feb 76 (10 ref.)

Cytology in the diagnosis and followup of transitional cell carcinoma of the urothelium: a review with a case series. Lewis RW, et al. **J Urol** 116(1):43–6, Jul 76

Evaluation of biological markers in bladder cancer. Wajsman Z, et al. **J Urol** 114(6):879–93, Dec 75

Cellular elements in the urine in health and in acute infectious diseases, especially with respect to the presence of haematuria. A study with application of millipore procedure and Papanicolaou staining. Ström J. **Scand J Infect Dis** 7(2):97–102, 1975

Cytological changes in the urine in the form of inclusion–bearing cells, giant cells and haematuria after vaccination with inactivated influenza virus vaccine. A study with application of Millipore procedure and Papanicolaou staining. Ström J. **Scand J Infect Dis** 8(1):21–5, 1976

Cytologic and histopathologic study of bladder cancer patients. Friedell GH, et al. **Urol Clin North Am** 3(1):71–8, Feb 76

The effect of calculi on transitional epithelium. A clinical and cytological study. de Ruiter F, et al. **Urol Res** 3(2):67–72, 8 Aug 75

Urinary cytology. The microscopic cystoscope. Tannenbaum M. **Urology** 6(6):750–3, Dec 75

[Letter: Urinary cell count] Klosterhalfen H, et al. **Dtsch Med Wochenschr** 101(26):1011, 25 Jun 76 **(Ger)**

[Excretion of leukocytes in chronic pyelonephritis] Baltzer G, et al. **Med Welt** 26(37):1652–3, 12 Sep 75 **(Ger)**

MICROBIOLOGY

On the persistence of bacteria in manure. A field and experimental study with special reference to Salmonella in liquid manure. Thunegard E. **Acta Vet Scand [Suppl]** (56):5–86, 1975

Letter: Dipslide urine cultures. Rosenthal S, et al. **Am J Clin Pathol** 65(2):250–2, Feb 76

Detection of bacteriuria in pediatric outpatients. A new culture device. Marr TJ, et al. **Am J Dis Child** 129(8):940–3, Aug 75

Flow diagrams for processing urine cultures. Pezzlo M, et al. **Am J Med Technol** 42(5):172–7, May 76

Coccidoidouria: clinical significance. Petersen EA, et al. **Ann Intern Med** 85(1):34–8, Jul 76

Comparison of direct and standardized disk diffusion susceptibility testing of urine cultures. Hollick GE, et al. **Antimicrob Agents Chemother** 9(5):804–9, May 76

Antibacterial susceptibility testing by the dip–slide technique: a methodological evaluation. Dornbusch K, et al. **Chemotherapy** 22(3–4):190–202, 1976

Biological reactors as artificial organs. Concept and preliminary in vitro study. Malchesky PS, et al. **Cleve Clin Q** 42(3):267–71, Fall 75

Bacteriuria in patients with spinal cord lesions. Newman E, et al. **J Am Med Wom Assoc** 30(10):403–8, Oct 75

Prevalence of Mycoplasma hominis and Ureaplasma urealyticum (T strains) in urine of adolescents. Foy H, et al. **J Clin Microbiol** 2(3):226–30, Sep 75

Evaluation of antibody coating of yeasts in urine as an indicator of the site of urinary tract infection. Harding SA, et al. **J Clin Microbiol** 2(3):222–5, Sep 75

New human adenovirus isolated from a renal transplant recipient: description and characterization of candiate adenovirus type 34. Hierholzer JC, et al. **J Clin Microbiol** 1(4):366–76, Apr 75

Effect of delay on culture of urine. Hindman R, et al. **J Clin Microbiol** 4(1):102–3, Jul 76

Unusual colonies of Ureaplasma urealyticum (T mycoplasmas) in primary agar cultures of certain urine specimens. Shepard MC, et al. **J Clin Microbiol** 2(5):456–8, Nov 75

Significance of urinary isolates of coagulase–negative Micrococcaceae. Williams DN, et al. **J Clin Microbiol** 3(6):556–9, Jun 76

The relevance of growth rates in urine to the pathogenesis of urinary–tract infections due to Micrococcus subgroup 3 (Staphylococcus saprophyticus biotype 3). Anderson JD, et al. **J Med Microbiol** 9(3):317–23, Aug 76

Comparison of the serology, transforming ability, and polypeptide composition of human papovaviruses isolated from urine. Wright PJ, et al. **J Virol** 17(3):762–75, Mar 76

Lessons learned from a patient. Changing concepts rather than facts. Beccia D, et al. **JAMA** 236(11):1268–9, 13 Sep 76

Letter: Polyoma virus in urine in aplastic anaemia. Lecatsas G, et al. **Lancet** 1(7953):259–60, 31 Jan 76

Letter: Relevance of 'significant bacteriuria' to aetiology and diagnosis of urinary–tract infection. Tapsall JW, et al. **Lancet** 1(7955):373, 14 Feb 76

An adaptation of a rapid sensitivity method combined with a rapid identification scheme for urinary pathogens. Wells JM. **Med Lab Technol** 32(3):215–8, Jul 75

Bacterial isolations from canine and feline urine. Wooley RE, et al. **Mod Vet Pract** 57(7):535–8, Jul 76

Infection control audit of a nursing procedure: collection of midstream specimens of urine. Stronge J. **Nurs Times** 72(15):suppl:27–8, 15 Apr 76

Microscopic screening for bacteriuria. Rosenthal S. **NY State J Med** 76(2):209–11, Feb 76 (16 ref.)

Characterization of two H2S–producing, multiple drug–resistant isolates of Escherichia coli from clinical urine specimens. Traub WH, et al. **Pathol Microbiol (Basel)** 43(1):10–6, 1975

The why and how of office urine culture studies. Motzkin D. **Postgrad Med** 58(6):62–8, Nov 75

Survey of a neonatal population for the prevalence of cytomegalovirus. Embil JA, et al. **Scand J Infect Dis** 7(3):165–7, 1975

Suppression of bacterial growth and ammonia formation by citrate buffer in urine collected in ileal loop receptacles. Brand KG, et al. **Urology** 6(6):738–40, Dec 75

Aerobic and anaerobic flora in bladder urine of patients with indwelling urethral catheters. Sapico FL, et al. **Urology** 7(4):382–4, Apr 76

Letter: Bacterial growth in urine collected in ileal loop receptacles. Young RR. **Urology** 7(5):566, May 76

Nation–wide survey of antibiotic resistance by means of a computer: bacterial strains from the urine, stool, and upper respiratory tract. Krčméry V, et al.

Zentralbl Bakteriol [Orig A] 233(1):99–105, Sep 75
[Possibilities and significance of bacteriological diagnosis in the nephrology] Eigler J, et al. **Internist (Berlin)** 17(2):77–82, Feb 76 (26 ref.) **(Ger)**
[Incidence, age and sex distribution in bacteriuria. Recent epidemiologic study] Lison AE, et al. **Med Welt** 26(38):1726–7, 19 Sep 75 **(Ger)**
[Excretion of hepatitis B antigen in the saliva and urine during acute type–B virus hepatitis] Kley R, et al.
Verh Dtsch Ges Inn Med 81:1356–8, 1975 **(Ger)**
[Urinary tract infections in the material of 500 quantitative cultures of urine (author's transl)] Hanzlik J, et al.
Ann Univ Mariae Curie Sklodowska [Med] 29:169–76, 1974 (Eng. Abstr.) **(Pol)**
[Statistical evaluation of bacteriological diagnosis of urinary tract infections in children treated in a general hospital] Narbutowicz B, et al. **Pediatr Pol** 50(8):971–9, Aug 75 (Eng. Abstr.) **(Pol)**
[Bacterial flora in patients with prostatic adenoma] Lübek J. **Pol Przegl Chir** 48(2 A):253–7, Feb 76 (Eng. Abstr.) **(Pol)**
[Use of boric acid as a stabilizing agent in the urinary bacterial count] Dzierżanowska D, et al. **Pol Tyg Lek** 31(7):277–8, 16 Feb 76 (Eng. Abstr.) **(Pol)**
[Uropathogenic and non–uropathogenic serotypes of E. coli in various clinical forms of urinary tract infections] Hebanowski M, et al. **Pol Tyg Lek** 31(6):217–20, 9 Feb 76 (Eng. Abstr.) **(Pol)**
[Isolation of Mycoplasma from the urine of patients with chronic pyelonephritis] Kochemasova ZN, et al.
Antibiotiki 20(11):1035–8, Nov 75 (Eng. Abstr.) **(Rus)**
[Urine conservation by surface–active agents] Prishchep AG, et al. **Kosm Biol Aviakosm Med** 9(5):31–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Microbiological methods of analysis and microbial flora of urine in gestational pyelonephritis] Abramova ZI.
Lab Delo (2):97–100, 1976 **(Rus)**
[Evaluation of different methods of urinalysis for detection of Mycobacteria tuberculosis on different media. I] Balan VF, et al. **Lab Delo** (2):104–6, 1976 **(Rus)**

PARASITOLOGY

Two new field techniques for detection and counting of Schistosoma haematobium eggs in urine samples, with an evaluation of both methods. Dazo BC, et al.
Bull WHO 51(4):399–408, 1974

PHYSIOLOGY

[The investigation of voiding mechanism in children. 1st report: Study with urinary flow–rate and velocity by ultrasonic doppler flowmeter (author's transl)] Fukui J.
Jpn J Urol 67(6):417–38, Jun 76 (Eng. Abstr.) **(Jpn)**
[A method for recording intraluminal urine flow (application of ultrasonic doppler technique) (author's transl)] Tsuchida S, et al. **Jpn J Urol** 66(11):781–4, Nov 75 (Eng. Abstr.) **(Jpn)**

URINE CONCENTRATING ABILITY see **KIDNEY CONCENTRATING ABILITY**

UROBILINOGEN

URINE

Letter: Effect of urobilinogen on urinary estrogen determination. Heiberg S, et al. **Clin Chem** 22(1):124, Jan 76
Letter: A conundrum: haemolytic anaemia without urobilinogenuria. Turner WR. **S Afr Med J** 49(45):1860, 25 Oct 75
[Letter: Urobilinogen test] Wildhirt E.
Dtsch Med Wochenschr 100(39):1997–8, 26 Sep 75 **(Ger)**

UROCANASE see under **HYDRO–LYASES**

UROCANIC ACID see under **IMIDAZOLES**

UROCHORDATA

Erythrocyte agglutinins in the blood of certain ascidians. Parrinello N, et al. **Experientia** 31(9):1092–3, 15 SEP 75

ANALYSIS

Nature of tunicin & its interaction with other chemical components of the tunic of the ascidian, Polyclinum madrasensis Sebastian. Krishnan G. **Indian J Exp Biol** 13(2):172–6, Mar 75
Ecteinascidia turbinata extracts inhibit DNA synthesis in lymphocytes after mitogenic stimulation by lectins. Lichter W, et al. **Proc Soc Exp Biol Med** 150(2):475–8, Nov 75

EMBRYOLOGY

Reaggregation of cells dissociated from ascidian embryos. Patricolo E, et al. **Acta Embryol Exp (Palermo)** (3):213–29, 1975 (Eng. Abstr.)
On some effects of cytochalasin B on the eggs and tadpoles of the ascidians. Reverberi G.
Acta Embryol Exp (Palermo) (2):137–58, 1975 (Eng. Abstr.)
Changes of uridine permeability during the maturation of tunicate eggs. Lambert CC. **Dev Biol** 46(1):40–8, Sep 75

ENZYMOLOGY

Proteolytic activity in Ciona intestinalis, associated with hatching. Denucé JM. **Arch Int Physiol Biochim** 83(5):958–9, Dec 75

GROWTH & DEVELOPMENT

Determination of polarity and bilateral asymmetry in palleal and vascular buds of the ascidian Botryllus schlosseri. Sabbadin A, et al. **Dev Biol** 46(1):79–87, Sep 75
Studies on the formation of germ cells in a compound ascidian Botryllus primigenus Oka. Mukai H, et al. **J Morphol** 148(3):377–62, Mar 76
Budding by oozooids in the polystyelid ascidian Metandrocarpa tayori Huntsman. Watanabe H, et al.
J Morphol 148(2):161–76, Feb 76

IMMUNOLOGY

Seasquirt asthma — occupational asthma induced by inhalation of antigenic substances contained in seasquirt body fluid. Jyo T, et al. **Allerg Immunol (Leipz)** 20–21(4):435–48, 1974–75
Naturally–occurring hemagglutinin in a tunicate Halocynthia pyriformis. Anderson RS, et al. **Biol Bull** 148(3):357–69, Jun 75

METABOLISM

On the sterols of some ascidians. Voogt PA, et al.
Arch Int Physiol Biochim 83(3):563–72, Aug 75
Surface changes and onset of DNA replication in the Ascidia egg. Ortolani G, et al. **Exp Cell Res** 96(1):122–8, Nov 75

PHYSIOLOGY

Skin impulses and locomotion in Oikopleura (tunicata: larvacea). Bone Q, et al. **Biol Bull** 149(2):267–86, Oct 75
The blood of Ascidia nigra: blood cell frequency distribution, morphology, and the distribution and valence of vanadium in living blood cells. Kustin K, et al. **Biol Bull** 150(3):426–41, Jun 76
Membrane currents of the tunicate egg under the voltage–clamp condition. Okamoto H, et al.
J Physiol (Lond) 254(3):607–38, Jan 76
Two components of the calcium current in the egg cell membrane of the tunicate. Okamoto H, et al.
J Physiol (Lond) 255(2):527–61, Feb 76
Hyperpolarizing photoreceptors in the eye of a primitive chordate, Salpa democratica. McReynolds JS, et al.
Vision Res 15(11):1181–6, Nov 75

ULTRASTRUCTURE

Fine structure of the gastric epithelium of the ascidian Botryllus schlosseri. Mucous, endocrine and plicated cells. Burighel P, et al. **Cell Tissue Res** 158(4):481–96, 20 May 75
Scanning electron microscope observations on the muscle innervation of Oikopleura dioica Fol (Appendicularia, Tunicata) with notes on the arrangement of connective tissue fibres. Flood PP. **Cell Tissue Res** 164(3):357–69, 10 Dec 75
T system in ascidian muscle: organization of the sarcotubular system in the caudal muscle cells of Botryllus schlosseri tadpole larvae. Schiaffino S, et al. **Tissue Cell** 8(1):101–10, 1976

UROGASTRONE see under **GASTROINTESTINAL HORMONES**

UROGENITAL NEOPLASMS

Urinary carcinoembryonic antigen (CEA)–like molecules and urothelial malignancy: a clinical appraisal. Coombers GB, et al. **Br J Cancer** 31(2):135–42, Feb 75
In vitro cultivation of epithelial cells derived from tumors of the human urinary tract. Elliott AY, et al.
Cancer Res 36(2 Pt 1):365–9, Feb 76
[Chloroma with multiple genital localizations] Gardais J, et al. **Sem Hop Paris** 51(9):609–16, 20 Feb 75 **(Fre)**
[The current status of urogenital cancer] Weissman Z.
Harefuah 89(9):416–9, 2 Nov 75 **(Heb)**
[Adrenocortical chorista (2 cases localized in the spermatic ducts)] Mori F, et al. **Arch De Vecchi Anat Patol** 60(1):205–20, Aug 74 **(Ita)**

ANALYSIS

[Sialic acids in extramammary Paget's disease (author's transl)] Ishikawa H, et al. **Jpn J Dermatol [A]** 85(5):295–7, 15 Apr 75 **(Jpn)**

BLOOD

[Dysproteinemia in malignant tumors of the urogenital system. I. Clinical analysis of serum protein values before treatment (author's transl)] Kondo I, et al. **Jpn J Urol** 67(2):91–8, Feb 76 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Effects of nerve growth factor administration of N–ethyl–N–nitrosourea carcinogenesis. Stahn R, et al.
Brain Res 96(2):287–98, 17 Oct 75
Letter: Mineral–oil cancers. Shannon H. **Lancet** 1(7968):1082, 15 May 76
[Urinary tract carcinomas in gas industry employees (author's transl)] Manz A. **Munch Med Wochenschr** 118(3):65–8, 16 Jan 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Endoscopy and the detection of genitourinary carcinoma. Pfister RR. **Cancer** 37(1 suppl):471–4, Jan 76
The CEA test in urologic cancer: an evaluation and a review. Guinan P, et al. **Oncology** 32(3–4):158–68, 1975
[Check–ups for malignant urologic tumors] Lent V.
Dtsch Med Wochenschr 100(47):2452–4, 21 Nov 75 **(Ger)**
[The value and limitations of ultra sound in the follow–up of patients with urological tumors] Kratochwil A.
Fortschr Geb Roentgenstr Nuklearmed 122(2):95–9, Feb 75 (Eng. Abstr.) **(Ger)**
[The diagnostic value of hyper–alpha–2 globulinemia in neoplasms of the male urinary and genital systems] Musiani U, et al. **Cancro** 27(3):119–26, 1974 (Eng. Abstr.) **(Ita)**
[Clinico–radiological diagnosis of sarcoma of the urogenital sinus in children] Văleanu A, et al.
Rev Pediatr Obstet Ginecol [Pediatr] 24(2):133–40, Apr–Jun 75 (Eng. Abstr.) **(Rum)**
[Diseases of the urachus] Derevianko IM.
Urol Nefrol (Mosk) (3):62–3, May–Jun 75 **(Rus)**

DRUG THERAPY

The chemotherapy of urologic cancer. Carter SK, et al.
Cancer 36(2):729–47, Aug 75
Chemotherapy of urogenital cancer. Merrin CE, et al.
Surg Annu 8:391–412, 1976
The role of chemotherapy in the management of malignant urogenital neoplasms. Schnipper LE.
Urol Clin North Am 3(2):423–32, Jun 76

ENZYMOLOGY

[Significance of serum enzymatic activities in genitourinary tract malignancy (author's transl)] Aso Y, et al.
Jpn J Urol 67(4):264–73, Apr 76 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Urothel tumors as complications] Schöll H, et al.
Z Urol Nephrol 69(02):123–6, Feb 76 **(Ger)**

FAMILIAL & GENETIC

[Cytogenetic observations in tumours of the urinary tract and male genitals (author's transl)] Sekine S.
Jpn J Urol 67(6):452–64, Jun 76 (Eng. Abstr.) **(Jpn)**

HISTORY

Percivall Pott and cancer scroti. Kipling MD, et al.
Br J Ind Med 32(3):244–50, Aug 75
Percivall Pott (1713–1788): 200th anniversary of first report of occupation–induced cancer scrotum in chimmey sweepers (1775). Melicow MM. **Urology** 6(6):745–9, Dec 75

IMMUNOLOGY

Urinary carcinoembryonic antigen (CEA)–like molecules and urothelial malignancy: a clinical appraisal. Coombers GB, et al. **Br J Cancer** 31(2):135–42, Feb 75
Immune evaluation with skin testing. A study of testicular, prostatic, and bladder neoplasms. Schellhammer PF, et al.
Cancer 38(1):149–56, Jul 76
Critical evaluation of lymphocyte functions in urological cancer patients. Elhilali MM, et al. **Cancer Res** 36(1):132–7, Jan 76
Clinical significance of antibodies to ovarian antigens; association with cancer of the genito–urinary tract. Forbes AP, et al. **Clin Exp Immunol** 23(3):436–43, Mar 76
Defective monocyte function in patients with genitourinary carcinoma. Hausman MS, et al. **J Natl Cancer Inst** 55(5):1047–54, Nov 75
Immunological status as a criterion for operability of genitourinary cancers. Allison RC, et al. **J Surg Oncol** 7(1):81–3, 1975
Prognostic value of host immunocompetence in urologic cancer patients. Catalona WJ, et al. **J Urol** 114(6):922–6, Dec 75
Skin testing in genitourinary carcinoma: 2–year followup. Decenzo JM, et al. **J Urol** 114(2):271–3, Aug 75
Antigenic activity of human urothelial tissue. Mickey DD, et al. **J Urol** 115(3):288–92, Mar 76
Serum immunoglobulins in genitourinary malignancies. Schmidt JD, et al. **J Urol** 115(3):293–5, Mar 76
Segregation of the clinical course of transmissible venereal tumor with DL–A haplotypes in canine families. Taylor Bennett B, et al. **Transplant Proc** 7(4):503–5, Dec 75
[Value of carcinoembryonic antigen (CEA) in the diagnosis of malignant tumors of the urogenital tract] Rost A, et al. **Helv Chir Acta** 43(3):271–8, Jul 76 (Eng. Abstr.) **(Ger)**

OCCURRENCE

The epidemiology of cancers of the breast and reproductive system. Doll R. **Scott Med J** 20(6):305–15, Nov 75

PATHOLOGY

Primary carcinoma of the seminal vesicle. Case report. Kindblom LG, et al. **Acta Pathol Microbiol Scand [A]** 84(4):301–5, Jul 76

The value of palliative spinal surgery in metastatic urogenital tumors. Merrin C, et al. **J Urol** 115(6):712–3, Jun 76
Mucinous adenoid tumor of the paratesticular tissue. Mukerjee MG, et al. **J Urol** 115(4):472–3, Apr 76
Letter: Carcinoma in situ of the seminal vesicles. **South Med J** 69(4):522, Apr 76
Kaposi's sarcoma of scrotum. Vyas S, et al. **Urology** 8(1):82–5, Jul 76
[Studies on pulmonary metastasis from urogenital malignant tumors. 1. Pathological study (author's transl)] Homma A. **Jpn J Urol** 67(3):139–58, Mar 76 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Leiomyosarcoma vesiculae seminalis] Nola P, et al. **Lijec Vjesn** 97(9):513–5, Oct 75 (Eng. Abstr.) **(Cro)**
[Studies on pulmonary metastasis from urogenital malignant tumors. 2. Roentogenological study: analysis of the growth curve of metastasis (author's transl)] Homma A. **Jpn J Urol** 67(3):159–71, Mar 76 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Primary carcinoma of the seminal vesicle. Case report. Kindblom LG, et al. **Acta Pathol Microbiol Scand [A]** 84(4):301–5, Jul 76
[Clip marking of uterus and bladder for dosimetry in intracavity and percutaneous radiotherapy] Moser R, et al. **Gynaekol Rundsch** 15 suppl 1:105–7, 1975 **(Ger)**
[Histological examinations of late changes of bone marrow and bone following local fractionated gamma irradiation in patients with genital carcinoma (author's transl)] Beil E, et al. **Klin Wochenschr** 54(5):217–20, 1 Mar 76 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Medical evaluation and rehabilitation following intensive therapy of malignomas in the female genitalia and breast] Jorde A, et al. **Zentralbl Gynaekol** 97(25):1549–54, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

Solitary leiomyomas arising from the tunica dartos scroti. Siegal GP, et al. **J Urol** 116(1):69–71, Jul 76
[Lipoma of the spermatic cord] Kostić D, et al. **Lijec Vjesn** 97(4):227–8, 1975 (Eng. Abstr.) **(Cro)**
[Complete obstruction of a silicone ureteral prosthesis] de Leval J, et al. **Acta Urol Belg** 43(1):5–10, Jan 75 **(Fre)**
[Multiple and simultaneous uro-urologic operations excluding lithiasis] **J Urol Nephrol (Paris)** 80(12 pt 2):376–90, Dec 74 **(Fre)**
[Clinical studies on tumor immunity during cryosurgery in urology] Eltahir K, et al. **Z Urol Nephrol** 69(02):135–40, Feb 76 **(Ger)**
[A case of liposarcoma of the spermatic cord] Atler J. **Pol Przegl Chir** 48(2 A):297–9, Feb 76 (Eng. Abstr.) **(Pol)**
[Rhabdomyosarcoma of spermatic cord] Wróbel S, et al. **Pol Przegl Chir** 48(2 A):273–5, Feb 76 (Eng. Abstr.) **(Pol)**

THERAPY

Rhabdomyosarcoma in the pediatric age group. Hornback NB, et al. **Am J Roentgenol** 126(3):542–9, Mar 76
[Multifactorial immunological treatment of cancer in urology] Reuter HJ. **Helv Chir Acta** 43(3):279–83, Jul 76
Urogenital rhabdomyosarcoma in childhood. Rogers PC, et al. **J Urol** 115(6):738–9, Jun 76
Treatment of tumors of genitourinary tract. Murphy GP. **NY State J Med** 76(2):214–22, Feb 76 (60 ref.)
[Theoretical and practical possibilities of immunotherapy in malignant urologic tumors] Adolphs HD, et al. **Helv Chir Acta** 43(3):285–93, Jul 76 **(Ger)**

URINE

Urinary pseudouridine and beta-aminoisobutyric acid in patients with low grade urothelial tumours. Relations between excretion and tumour recurrence. Nyholm KK, et al. **Biomedicine [Express]** 25(3):85–7, May 76

VETERINARY

Tumor-blocking and -inhibitory serum factors in the clinical course of canine venereal tumor. Bennett BT, et al. **Cancer Res** 35(11 Pt 1):2942–7, Nov 75

UROGENITAL SYSTEM

The implantable artificial genitourinary sphincter in the management of total urinary incontinence. Furlow WL. **Mayo Clin Proc** 51(6):341–5, Jun 76
Genitourinary prosthetics of the present and future. Timm GW, et al. **Mayo Clin Proc** 51(6):346–50, Jun 76

ABNORMALITIES

The Fifth Conference on the Clinical Delineation of Birth Defects. Part XVI. Urinary system and others. Section II – Others: case reports. **Birth Defects** 10(4):301–63, 1974
The abdominal muscle deficiency triad syndrome—experience with ten cases. Ives EJ. **Birth Defects** 10(4):127–35, 1974
Prune belly syndrome. A study of ten cases in Nigerian children with common and uncommon manifestations. Adeyokunnu AA, et al. **East Afr Med J** 52(8):438–49, Aug 75
Urogenital sinus in the female child. Williams DI, et al. **J Pediatr Surg** 11(1):51–6, Feb 76
Wolffian duct cyst. Obeid ML, et al. **J Urol** 114(6):946–7, Dec 75
Renal transplantation in prune belly syndrome. Shenasky JH 2d, et al. **J Urol** 115(1):112–3, Jan 76
Urologic and genital anomalies in patients with congenital absence of the vagina. Fore SR, et al. **Obstet Gynecol** 46(4):410–6, Oct 75
Prune belly syndrome at the age of 37. Case report. Asplund J, et al. **Scand J Urol Nephrol** 9(3):297–300, 1975
Gentics of urogenital abnormalities in ACI inbread rats. Cramer DV, et al. **Teratology** 12(1):27–32, Aug 75
[Congenital anomalies of the excretory system and their relationship to endemic nephropathy] Tanchev I. **Vutr Boles** 14(4):80–6, 1975 (Eng. Abstr.) **(Bul)**
[Differential roentgendiagnostics of multiplications of parts of uropoetical apparatus (author's transl)] Veréb J, et al. **Cesk Radiol** 30(3):176–82, May 76 (Eng. Abstr.) **(Cze)**
[Congenital absence of abdominal muscles and abnormalities of the urogenital tract] Fall M, et al. **Bull Soc Med Afr Noire Lang Fr** 20(3):323–9, 1975 **(Fre)**
['Cat's eye' phenotype in a subject with normal karyotype] Balsamo V, et al. **Pediatria (Napoli)** 83(1):20–30, 31 Mar 75 (Eng. Abstr.) **(Ita)**
[Letter: Study of causes of the increase of genital andurinary tract malformations] Bjerkedal T, et al. **Tidsskr Nor Laegeforen** 95(25):1436–7, 10 Sep 75 **(Nor)**

ANATOMY & HISTOLOGY

Anatomical drawing–6. The brain, male genito-urinary system. Joannides SC. **Nurs Times** 71(45):1778–9, 6 Nov 75

BLOOD SUPPLY

[Comparative characteristics of surgical approaches to the urogenital venous plexus] Glazkov SI. **Urol Nefrol (Mosk)** (6):37–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Quantitative evaluation of virilizing activity of steroids by measuring morphological changes in uro-genital region of rats. Kawashima K, et al. **Endocrinol Jpn** 22(5):439–44, Oct 75

EMBRYOLOGY

Age-dependent loss of sensitivity of female urogenital sinus to androgenic conditions as a function of the epithelia-stromal interaction in mice. Cunha GR. **Endocrinology** 97(3):665–73, Sep 75
[The effects of anterio-posterior and dorso-ventral inversions of the lateral mesoblast of the neurula on the formation of the mesonephric, medullary, and adrenal anlage of the common toad, Bufo bufo L. (Amphibia, Anoura)] Gipouloux JD, et al. **C R Acad Sci [D] (Paris)** 281(15):1131–4, 13 Oct 75 (Eng. Abstr.) **(Fre)**
[Conseqquences of dorso-ventral and anterior-posterior reversion of early neurula lateral mesoblast on development of urogenital system in common toad, Bufo bufo. (Amphibia anura)] Hakim J, et al. **C R Acad Sci [D] (Paris)** 281(17):1265–8, 27 Oct 75 (Eng. Abstr.) **(Fre)**

INJURIES

The diagnosis and management of genitourinary trauma. Litvak AS, et al. **J Ky Med Assoc** 73(11):603–7, Nov 75
Genitourinary trauma. Carlton CE Jr. **Tex Med** 72(8):35–48, Aug 76
[Urologic complications of pelvic fractures in multiple injured patients] Hönig V, et al. **Hefte Unfallheilkd** (124):168–70, 1975 **(Ger)**
[Osseous pelvic injuries with involvement of the lower urinary tract from the viewpoint of the urologist] Marberger H, et al. **Hefte Unfallheilkd** (124):181–5, 1975 **(Ger)**
[Late results of pelvic fractures with accompanying urological injuries] Veihelmann D, et al. **Hefte Unfallheilkd** (124):194–6, 1975 **(Ger)**
[Injuries due to urological-diagnostic measures] Schwozer A, et al. **Z Aerztl Fortbild (Jena)** 70(9):471–4, 1 May 76 **(Ger)**
[War injuries of the urogenital system] Cernic M. **Acta Chir Iugosl** 23(1 Suppl):307–10, 1976 **(Ser)**
[Injuries of the urogenital tract in our material] Jovanovic T, et al. **Acta Chir Iugosl** 23(1 Suppl):325–9, 1976 **(Ser)**
[Our experiences in the treatment of urogenital trauma] Manojiović D, et al. **Zb Vojnomed Akad** :19–24, 1974 (Eng. Abstr.) **(Ser)**

INNERVATION

[Innervation of the pelvic viscera in the sheep] **J Urol Nephrol (Paris)** 80(12 pt 2):190–6, Dec 74 **(Fre)**

MICROBIOLOGY

Viral infections of the urogenital tract. pp. 63–8. Nahmias AJ, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**
Phage typing scheme for group D streptococci isolated from human urogenital tract. Caprioli T, et al. **J Clin Microbiol** 2(4):311–7, Oct 75
Isolation of Neisseria meningitidis from the Genito-urinary tract and anal canal. Faur YC, et al. **J Clin Microbiol** 2(3):178–82, Sep 75
Comparison of Chlamydia subgroup A detection from clinical specimens after 40 and 64 hours of incubation in 5-iodo-2-deoxyuridine-treated McCoy's cells. Jonhson JE, et al. **J Clin Microbiol** 3(3):334–8, Mar 76
Isolation of oxidase-positive Gram-negative cocci not belonging to the genus Neisseria from the urogenital tract. Platt DJ, et al. **J Clin Pathol** 29(6):537–42, Jun 76
The problem of pathogenicity of Moraxellae in the urogenital tract of women. Kittnar E, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):286–92, 1975
[Blastomycoid flora of the urogenital tract in nonpregnant and pregnant patients] Newmann G, et al. **Zentralbl Gynaekol** 97(6):372–8, 1975 (Eng. Abstr.) **(Ger)**
[Studies on the colonization of female urogenital system by Mycoplasma] Weissenbacher ER, et al. **Zentralbl Gynaekol** 97(26):1632–5, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Accessory reproductive organs in mammals: control of cell and tissue transport by sex hormones. Spaziani E. **Pharmacol Rev** 27(2):207–86, Jun 75 (566 ref.)

SURGERY

Prophylactic use of Bactrim in surgical gynaecology. A comparative study. pp. 295–301. Lecart C, et al. **In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.**

UROGRAFIN see **DIATRIZOATE**

UROGRAPHY

On the use of renal angiography and intravenous urography in the investigation of renovascular hypertension. Erikson U, et al. **Acta Med Scand** 198(1–2):39–44, Jul–Aug 75
Metrizamide in experimental urography. VI. Effects of renal contrast media on urinary solutes. Golman K, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):120–36, Feb 76
Metrizamide in experimental urography. III. Effects of temporary ureteric stasis on urinary iodine concentration after intravenous injection of ionic and non-ionic contrast media. Almén T, et al. **Acta Radiol [Suppl] (Stockh)** (335):330–3, 1973
Metrizamide in experimental urography. I. Iodine concentration and flow of urine following intravenous injection of an ionic and non-ionic contrast medium in rabbits. Golman K, et al. **Acta Radiol [Suppl] (Stockh)** (335):312–22, 1973
Metrizamide in experimental urography. II Iodine concentration intravenous injection of an ionic and a non-ionic contrast medium in rats. Golman K. **Acta Radiol [Suppl] (Stockh)** (335):323–9, 1973
High dose urography: incidence and relationship to spontaneous peripelvic extravasation. Bernardino ME, et al. **Am J Roentgenol** 127(3):373–6, Sep 76
Medial deviation of the upper pole calyx on the intravenous urogram as an indication of vesicoureteral reflex. Harrison RB, et al. **Am J Roentgenol** 126(6):1189–93, Jun 76
The role of emergency excretory urography in evaluation of blunt, abdominal trauma. McDonald EJ, et al. **Am J Roentgenol** 126(4):739–42, Apr 76
Tomography of pelvic-abdominal masses during intravenous urography. An added dimension. Peck AG, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):322–30, Oct 75
Roentgenologic evaluation of a new prosthetic sphincter for the treatment of urinary incontinence. Silver TM, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):479–85, Oct 75
Letter: Renal effects of urography in diabetes mellitus. Agarwal BN, et al. **Ann Intern Med** 83(6):902, Dec 75
Letter: Cryptorchidism: is routine intravenous pyelography indicated? Waaler PE, et al. **Arch Dis Child** 51(4):324–5, Apr 76
Congenital anomalies of the lower urinary tract from a radiologic point of view. Hertz M. **Birth Defects** 10(4):136–41, 1974
Intravenous urography in the diagnosis of renovascular hypertension. With special reference to kidney size changes following intravenous administration of water-soluble contrast media and diuretics. Dorph S. **Dan Med Bull** 23(1):12–23, Feb 76 (221 ref.)
Endoscopy of ureterointestinal conduits and retrograde pyelography. Falkenstein DB, et al. **Gastrointest Endosc** 22(1):24–6, Aug 75
Solute excretion during intravenous urography. A comparison of sodium iothalamate and sodium iocarmate (iothalamate dimer). Evill CA, et al. **Invest Radiol** 10(6):552–6, Nov–Dec 75
Metrizamide in experimental urography. V. Renal excretion mechanism of a non-ionic contrast medium in rabbit and cat. Golman K, et al. **Invest Radiol** 11(3):187–94, May–Jun

76

Contrast and electrolyte dynamics of the intravenous pyelogram. I. Urinary pH and volume changes in the canine I. V. P. Lasser EC, et al. **Invest Radiol** 10(4):300–6, Jul–Aug 75

Contrast and electrolyte dynamics of the intravenous pyelogram. II. Disparities in serum and urine concentrations of meglumine and anion. Lasser EC, et al. **Invest Radiol** 10(4):307–13, Jul–Aug 75

Intravenous pyelographic visualization after complete ureteral obstruction with hypertonic solute loading. Woodruff MW, et al. **Invest Urol** 13(6):445–8, May 76

The place of diagnostic ultrasound in the examination of kidneys not seen on excretory urography. Sanders RC. **J Urol** 114(6):813–21, Dec 75

Estimating relative renal function. Secker-Walker RH, et al. **J Urol** 115(6):621–5, Jun 76

Radiography–3. Angiography and other radiographic investigations. Greenwood DP. **Nurs Times** 72(29):1126–8, 22 Jul 76

Radiography. 2. Retrograde pyelography, cystography and urethrography. Greenwood DP. **Nurs Times** 72(28):1096–7, 15 Jul 76

Excretory urography in infants and children. Hochschild TJ, et al. **Radiography** 41(492):275–80, Dec 75

A new method for percutaneous nephrostomy. Burnett LL, et al. **Radiology** 120(3):557–61, Sep 76

Duplication of the urethra. Effmann EL, et al. **Radiology** 119(1):179–85, Apr 76

Predicting tomographic levels for urography. Newberg AH, et al. **Radiology** 118(2):460, Feb 76

Diverticulum of the female urethra. The value of the post-void bladder film during excretory urography. Stern AJ, et al. **Radiology** 121(1):222, Oct 76

Use of excretory urogram information in the solution of the renal cyst/tumor/cortical nodule problem. Thornbury JR, et al. **Radiology** 118(3):575–8, Mar 76

Investigation of ureteric function with simultaneous intraureteric pressure recordings and ureteropyelography. Ulmsten U, et al. **Radiology** 117(2):283–9, Nov 75

An evaluation of Urovist S in urography. Bulstrode JC. **S Afr Med J** 50(3):81–2, 17 Jan 76

A comparison between urography and radioisotope renography in the follow-up of surgery for hydronephrosis. Otnes B, et al. **Scand J Urol Nephrol** 9(1):50–6, 1975

Adventitious hysterogram during intravenous pyelography. Golimbu M, et al. **Urology** 6(3):394–6, Sep 75

Radiographic evaluation of renal excursion with respiration. Kaswick JA, et al. **Urology** 7(4):438–41, Apr 76

Urography in preoperative evaluation of abdominal aortic aneurysms. Rosenfield AR, et al. **Urology** 7(6):652–4, Jun 76

Case profile: extravagram. Stanfield BM, et al. **Urology** 7(1):97, Jan 76

[Systematic study of the nephrographic times in intravenous urography. 2. Pathological aspects (author's transl)] Joffre F, et al. **Ann Radiol (Paris)** 18(6):623–39, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Urography in chronic renal insufficiency] Dalla Palma L. **J Radiol Electrol Med Nucl** 56 suppl 1:337–8, 1975 **(Fre)**

[Perfusional diagnostic urography in primary glomerular nephropathies with various degrees of renal insufficiency verified by transcutaneous kidney biopsy] Gavelli G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:339, 1975 **(Fre)**

[Urography in chronic renal insufficiency in congenital malformations of the urinary tract in childhood] Vichi GF, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:340–1, 1975 **(Fre)**

[Urography and radioisotope nephrography before and after typical gynecologic operations] Rauskolb R. **Arch Gynaekol** 219(1–4):230–2, 18 Nov 75 **(Ger)**

[Letter: Intravenous urography in plasmacytoma] Baltzer G, et al. **Dtsch Med Wochenschr** 100(36):1813, 5 Sep 75 **(Ger)**

[Influence of intravenous pyelography on the urinary excretion of leucinearylamidase and gamma glutamyltraspeptidase in children] Bartels H, et al. **Monatsschr Kinderheilkd** 123(5):424–6, May 75 **(Ger)**

[A new contrast-medium (author's transl)] Bartscherer M, et al. **Roentgenblaetter** 29(3):126–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Vaginal discharge in childhood (author's transl)] Förster A. **Roentgenblaetter** 28(10):477–82, Oct 75 (Eng. Abstr.) **(Ger)**

[Radiation protection. (10). Patient protection in urogenital x-ray tests] Hiramatsu Y. **Jpn J Clin Radiol** 20(11):1045–8, Oct 75 **(Jpn)**

[Schering's Urovison infusion in radiographic diagnosis of urinary tract diseases] Lazęcki L, et al. **Pol Przegl Radiol** 39(6):733–7, Nov–Dec 75 (Eng. Abstr.) **(Pol)**

[Lymphography, cavo-, and urography in the diagnosis of disseminated systemic diseases and some epithelial tumors] Tret'iakov IV. **Med Radiol (Mosk)** 20(8):51–3, Aug 75 **(Rus)**

[Role od excretory urography in the evaluation of functional capacity of the upper urinary tract and its reserve possibilities] Zolotarev II. **Sov Med** (7):37–1, Jul 75 (Eng. Abstr.) **(Rus)**

[Infusion urography. Technic, indications and diagnostic value] Antevski D, et al. **God Zb Med Fak Skopje** 17:461–8, 1971 (Eng. Abstr.) **(Ser)**

[Intravenous urography and renal angiography in renovascular disease] Erikson U, et al. **Lakartidningen** 73(3):143–5, 14 Jan 76 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Influence of diagnostic roentgen doses on human chromosomes and influence of age on the aberration yield. Kučerová M, et al. **Acta Radiol [Ther] (Stockh)** 15(1):91–6, Feb 76

Autonomic dysreflexia in patients with spinal cord lesions: complication of voiding cystourethrography and ileal loopography. Barbaric ZL. **Am J Roentgenol** 127(2):293–5, Aug 76

Urography, shock reaction and repeated urography. Lalli AF. **Am J Roentgenol Radium Ther Nucl Med** 125(1):264–8, Sep 75

Shock following intravenous pyelography in patients with congenital adrenal hyperplasia. Silverman SH, et al. **J Pediatr** 88(2):269–70, Feb 76

The persistent nephrogram: A sentinel sign of contrast reaction. Robbins JS 3d, et al. **J Urol** 114(5):758–60, Nov 75

Allergic reaction to contrast material used during I.V.P. (intravenous pyelogram)—examination of defendant hospital radiologist (also named as defendant)—malpractice—part II. **Med Trial Tech Q** 22(1):105–20, Summer 75

Allergic reaction to contrast material used during I.V.P. (intravenous pyelogram)—examination of defendant hospital radiologist (also named as defendant)—malpractice—part III. **Med Trial Tech Q** 22(2):183–216, Fall 75

Informed consent: a medical decision. Allen RW. **Radiology** 119(1):233–4, Apr 76

[Clinical observations of severe complications occurring after retrograde pyelography] Viktorov I, et al. **Khirurgiia (Sofiia)** 28(5):449–54, 1975 (Eng. Abstr.) **(Bul)**

[Has the technic of urography by perfusion, in comparison with standard urography, reduced the percentage of complications?] Birzu I, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:139–40, 1975 **(Fre)**

[Prevention of side effects of water-soluble iodized contrast media (in radiologic exploration of the urinary tract by the descending route)] Dary M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:141, 1975 **(Fre)**

[Reactions to contrast media: rapid injection in 7,000 intravenous urographies] Girard JC. **J Radiol Electrol Med Nucl** 56 suppl 1:133–4, 1975 **(Fre)**

[Prevention of complications of intolerance to iodized contrast media during intravenous urographies] Michel JR, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:140–1, 1975 **(Fre)**

[Problems posed byuse of organo-iodized contrast media] Moreau JF, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:336–7, 1975 **(Fre)**

[Effects of iodine contrast medias on the function of transplanted kidneys] Moreau JF, et al. **Nouv Presse Med** 4(37):2643–6, 1 Nov 75 (Eng. Abstr.) **(Fre)**

[Acute renal insufficiency after intravenous urography by perfusion in cases of diabetic nephropathy] Tremblay M, et al. **Union Med Can** 104(8):1242–6, Aug 75 **(Fre)**

[Extra-luminal barium distribution following double contrast cystography (case report on a complication)] Wiggers RH, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):467–8, May 75 **(Ger)**

INSTRUMENTATION

[A new device for facilitating chain cystography] Carignan L. **J Can Assoc Radiol** 26(3):197–8, Sep 75 (Eng. Abstr.) **(Fre)**

METHODS

Medullary rays. Visualization during excretory urography. Bigongiari LR, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):795–803, Dec 75

Evaluation of pelvic masses during infusion excretory urography. Imray TJ. **Am J Roentgenol Radium Ther Nucl Med** 125(1):60–5, Sep 75

[Systematic use of suprapubic bladder puncture for voiding cysto-urethrography in infants and children] Claus D. **Ann Radiol (Paris)** 18(4):331–8, May–Jun 75 **(Eng, Fre)**

[Radiation dose measurements in intravenous pyelography] Egeblad M, et al. **Ann Radiol (Paris)** 18(4):321–4, May–Jun 75 **(Eng, Fre)**

[Metabolic changes in high-dose urography in babies] Hayek HW, et al. **Ann Radiol (Paris)** 18(4):325–30, May–Jun 75 **(Eng, Fre)**

Percutaneous antegrade pyelography in small infants and neonates. Fowler R, et al. **Br J Radiol** 48(576):987–92, Dec 75

The layered pyelogram in hydronephrosis. Umerah B. **Br J Radiol** 48(576):982–6, Dec 75

Proceedings: Antegrade pyelography. Saalfeld J. **Br J Urol** 48(2):155, Apr 76

The minute sequence intravenous pyelogram as a screening tool for renal vascular hypertension. Hollandsworth DL, et al. **J Am Osteopath Assoc** 75(8):717–22, Apr 76

Tangential projection of pelvic cancer. Wallner RJ. **J Am Osteopath Assoc** 75(7):666–70, Mar 76

Infusion pyelography in anuric patients. Rao MS, et al. **J Urol** 116(3):297–9, Sep 76

Radiologic detection and prostatic carcinoma by double contrast retrograde urethrocystography. Wong W, et al. **J Urol** 114(5):746–51, Nov 75

High-dose bolus urography. A superior technique in advanced renal failure. Mamdani BH, et al. **JAMA** 234(10):1054–6, 8 Dec 75

Radiographs. 1. Investigations associated with the urinary tract. Greenwood DP. **Nurs Times** 72(27):1040–2, 8 Jul 76

Urinary tract tomography. Hattery RR, et al. **Radiol Clin North Am** 14(1):23–49, Apr 76

Fluid restriction before excretory urography. Dure-Smith P. **Radiology** 118(2):487–9, Feb 76

Rupture of the spleen in a newborn infant: report of a new roentgen sign. Marquis JR, et al. **Radiology** 119(1):177–8, Apr 76

Pneumopyelography. Khan AU, et al. **Urology** 8(1):92–3, Jul 76

[Systematic study of the nephrographic times in intravenous urography. 1. Technical problems and normal values] Sablayrolles JL, et al. **Ann Radiol (Paris)** 18(5):543–58, Jul 75 (Eng. Abstr.) **(Fre)**

[Perfusion, method of choice in urography] Zalcman R. **Brux Med** 55(6):343–8, Jun 75 (Eng. Abstr.) **(Fre)**

[Intravenous urography with high doses of contrast media in renal insufficiency] Bergonzini R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:473–4, 1975 **(Fre)**

[Intravenous urography in chronic renal insufficiency in children] Gauthier N, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:339–40, 1975 **(Fre)**

[Urethro-cysto-colpo-rectography, a radiological method for the diagnosis of insufficiency of the pelvic floor (author's transl)] Kessler M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(4):365–8, Apr 76 (Eng. Abstr.) **(Ger)**

[Infusion urethrography in males] Bartels H, et al. **Helv Chir Acta** 42(3):343–5, Jun 75 **(Ger)**

[Rapid injection technique as a routine for the IVP (results of 144 examinations with various contrast media) (author's transl)] Weingard D, et al. **Roentgenblaetter** 28(7):291–7, Jul 75 (Eng. Abstr.) **(Ger)**

[Radiologic diagnosis of lower urinary tract obstruction in childhood] Arap S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(5):446–54, Sep–Oct 75 **(Por)**

STANDARDS

[Recommendations for the standardization of miction cystourethrography in children] Berger G, et al. **Radiol Diagn (Berl)** 16(2):301–4, 1975 **(Ger)**

VETERINARY

[Diagnostic radiology of the urinary bladder of the dog by means of contrast techniques (author's transl)] Dik KJ, et al. **Tijdschr Diergeneeskd** 101(5):235–43, 1 Mar 76 (Eng. Abstr.) **(Dut)**

UROKINASE see under **PEPTIDE PEPTIDOHYDROLASES**

UROLOGIC DISEASES

What's new in urology. Brosman S. **Med Times** 104(6):98–109, Jun 76

Myelomeningocele: Suggested minimal urological evaluation and surveillance. **Pediatrics** 56(3):477–8, Sep 75

Urology. Zimskind PD. **Surg Gynecol Obstet** 142(2):227–9, Feb 76

[Urologic indications for limitation of pregnancies] Amor B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):348–9, 1972 **(Fre)**

[Urology. Pannel discussion] **Arch Gynaekol** 219(1–4):220–2, 18 Nov 75 **(Ger)**

[The urinary organs and pregnancy] Kremling H. **Med Klin** 71(3):94–100, 16 Jan 76 **(Ger)**

[Structural and functional correlations in dysectasias of junctions at various sites] Alberti C, et al. **Ateneo Parmense [Acta Biomed]** 46(4):255–66, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

BLOOD

The hematologic evaluation of the urologic patient. Cassileth PA. **Urol Clin North Am** 3(2):255–66, Jun 76

[Use of the Dale and Laidlaw coagulometer in the assessment of blood coagulation in urologic patients] Ventura M, et al. **Minerva Urol** 27(5):213–7, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Urinary tract complications in myelomeningocele patients. Cass AS. **J Urol** 115(1):102–4, Jan 76

Disseminated intravascular coagulation in the urologic patient. Pergament ML, et al. **J Urol** 116(1):1–7, Jul 76

[The pharmacotherapy of urologic pains] pp. 36–42. Brühl P. **In: Neuhaus GA, Kubicki SK, ed. Pentazocin–ein neuer Wdg. Stuttgart, Thiem 1975. QV 95 P419p 1974.** (Eng. Abstr.) **(Ger)**

[Urological aspects of acute abdomen] Weissbach L. **Z Allgemeinmed** 51(20):909–16, 21 Jul 75 **(Ger)**

[Urothel tumors as complications] Schöll H, et al. **Z Urol Nephrol** 69(02):123–6, Feb 76 **(Ger)**

[Characteristics of the course of acute renal insufficiency in urologic disease] Gromova TI. **Vrach Delo** (1):111–3, Jan 74 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Differential count of urinary leucocytes and renal epithelial cells by phase contrast microscopy. Lindqvist B, et al. **Acta Med Scand** 198(6):505–9, Dec 75

Letter: Allergic urinary problems. **Ann Allergy** 37(3):228–9, Sep 76

The establishment of a venereal disease clinic: II. An appraisal of current diagnostic methods in uncomplicated urogenital and rectal gonorrhea. Dans PE, et al. **J Am Vener Dis Assoc** 1(3):107–12, Mar 75

Disposable peak urinary flowmeter estimates lower urinary tract obstruction. Drach GW, et al. **J Urol** 115(2):175–9, Feb 76 (18 ref.)

Spontaneous urinary extravasation. Khan AU, et al. **J Urol** 116(2):161–5, Aug 76

[When gastroenterologic diagnoses are made by the urologist] Quenu L. **Acta Urol Belg** 43(1):110–1, Jan 75 (Eng. Abstr.) **(Fre)**

[Neurologic diagnoses by urologists] Quenu L. **Acta Urol Belg** 43(1):107–9, Jan 75 (Eng. Abstr.) **(Fre)**

[Wireless endoscopy] Jaupitre. **J Urol Nephrol (Paris)** 80(12 pt 2):474–6, Dec 74 **(Fre)**

[Nephrologic findings before and after gynecologic surgery] Köller M, et al. **Arch Gynaekol** 219(1–4):237–8, 18 Nov 75 **(Ger)**

[Urological complications of abdominal and vaginal radical surgery for cervix carcinoma] Lange 4, et al. **Arch Gynaekol** 219(1–4):238–9, 18 Nov 75 **(Ger)**

[Nuclear medical techniques in diagnostics of urological diseases (author's transl)] Deininger HK, et al. **Urologe [A]** 15(1):21–7, Jan 76 (Eng. Abstr.) **(Ger)**

[Urinary tract manifestations of ruptured infrarenal aortic aneurysms (author's transl)] Kappey F, et al. **Urologe [A]** 14(6):263–8, Nov 75 (Eng. Abstr.) **(Ger)**

[Injuries due to urological-diagnostic measures] Schwozer A, et al. **Z Aerztl Fortbild (Jena)** 70(9):471–4, 1 May 76 **(Ger)**

[Andro–urological phantom (a.u.p.). Proposal for a phantom for exercises on bladder catheterization, prostatic palpation within the frame of the early diagnosis of cancer, for prostatic–punctures and further urological methods] Hackmann H. **Z Allgemeinmed** 51(27):1204–6, 30 Sep 75 **(Ger)**

[Urologic disorders without evident organic findings] Thelen A. **Z Allgemeinmed** 51(31):1395–1400, 10 Nov 75 **(Ger)**

[Pediatric nephro–urologic care in the dispensary consulting hour] Nentwich HJ, et al. **Z Urol Nephrol** 69(3):187–92, Mar 76 **(Ger)**

[Organization, value and economy of an 'one–day clinic'] Schulze R, et al. **Z Urol Nephrol** 67(10):765–9, Oct 74 **(Ger)**

[The importance of urological mass screening of the population] Bors G, et al. **Orv Hetil** 117(8):469–70, 22 Feb 76 **(Hun)**

[Ultrasound studies in urologic diagnosis] Cieślińska K, et al. **Pol Przegl Chir** 48(6A):759–64, Jun 76 (Eng. Abstr.) **(Pol)**

[Acute abdominal syndrome in children with diseases of the urinary tract] Kormshchikov IuV. **Klin Khir** (12):57–8, Dec 75 **(Rus)**

DRUG THERAPY

[Infusion therapy in urology] Vahlensieck W. **Infusionstherapie** 1(5):345–8, Jun 74 (Eng. Abstr.) **(Ger)**

[Study on the use of a new spasmolytic agent in urology] Acconcia A, et al. **Minerva Urol** 27(6):284–91, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Clinical experiment of gentamicin in patients with urological diseases (author's transl)] Kawamura N, et al. **Jpn J Antibiot** 29(3):299–302, Mar 76 (Eng. Abstr.) **(Jpn)**

[Clinical experience with amoxicillin (Pacetocin 'Kyowa') in urology (author's transl)] Nakayama K, et al. **Jpn J Antibiot** 29(1):7–10, Jan 76 (Eng. Abstr.) **(Jpn)**

[Experience with amoxicillin therapy in urological field (author's transl)] Sato H, et al. **Jpn J Antibiot** 29(1):4–6, Jan 76 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[Changes in the alpha hydroxybutyrate dehydrogenase and lactate dehydrogenase ration following urologic surgery] Makó J, et al. **Orv Hetil** 117(15):887–9, 11 Apr 76 **(Hun)**

[Types of immunological specificity of isoenzymes in patients with diseases of the kidneys and urinary tract] Shevchenko VS, et al. **Urol Nefrol (Mosk)** (3):66–73, May–Jun 75 (42 ref.) **(Rus)**

ETIOLOGY

Urologic complications in renal primary and retransplantation. Experience with 202 consecutive transplants. Pfeffermann R, et al. **Am J Surg** 131(2):242–5, Feb 76

Urologic complications following abdominoperineal resection. Eickenberg HU, et al. **J Urol** 115(2):180–2, Feb 76

Urologic manifestations of hyperparathyroidism in childhood. Malek RS, et al. **J Urol** 115(6):717–9, Jun 76

Caudal regression syndrome: the urologic implications. Rubenstein MA, et al. **J Urol** 114(6):934–7, Dec 75

Urologic complications of inflammatory bowel disease. Shield DE, et al. **J Urol** 115(6):701–6, Jun 76

Genitourinary complications of abdominoperineal resection. Baumgarner GT, et al. **South Med J** 69(7):875–7, Jul 76

Urologic complications of appendicitis. Richie JP, et al. **Urology** 6(6):689–92, Dec 75

[Urologic complications in fractures of the pelvis] Pačes V, et al. **Acta Chir Orthop Traumatol Cech** 42(4):295–304, Aug 75 (Eng. Abstr.) **(Cze)**

[Urinary manifestations of hematological diseases] de Leval J. **Acta Urol Belg** 43(1):96–100, Jan 75 (Eng. Abstr.) **(Fre)**

[Involvement of the urinary tract in benign intestinal diseases] Strohmenger P, et al. **Acta Urol Belg** 43(1):73–6, Jan 75 (Eng. Abstr.) **(Fre)**

[Postoperative urological complications] Schmid J, et al. **Gynaekol Rundsch** 15 suppl 1:90–5, 1975 **(Ger)**

[Urologic complications in pelvic fractures] Bauer J, et al. **Hefte Unfallheilkd** (124):305–6, 1975 **(Ger)**

[Urological complications of pelvic fractures, diagnosis, therapy and results] Floth H, et al. **Hefte Unfallheilkd** (124):189–93, 1975 **(Ger)**

[Urologic complications of pelvic fractures in childhood] Janzik W, et al. **Hefte Unfallheilkd** (124):306–8, 1975 **(Ger)**

[Statistics of urologic complications of pelvic fractures and their etiological mechanism] Kuderna H, et al. **Hefte Unfallheilkd** (124):186–9, 1975 **(Ger)**

[Urological problems in kidney transplantation] Lasio E. **Minerva Chir** 30(15–16):860–2, 15–31 Aug 75 **(Ita)**

[Urological complications in patients submitted to renal homologous transplantation] Martins AC, et al. **Rev Assoc Med Bras** 21(12):364–6, Dec 75 (Eng. Abstr.) **(Por)**

[Changes in the urinary system in uterine myoma] Perel'man VM. **Sov Med** (7):100–4, Jul 75 (Eng. Abstr.) **(Rus)**

[Functional disorders of the kidneys and upper urinary tracts in cervix uteri cancer] Zhabenko VIu, et al. **Pediatr Akush Ginekol** (4):56–60, Jul–Aug 75 **(Ukr)**

FAMILIAL & GENETIC

Sibling uropathology. Dwoskin JY. **J Urol** 115(6):726–7, Jun 76

METABOLISM

Fluid and electrolyte disorders in urologic patients. Brown RS, et al. **Urol Clin North Am** 3(2):267–76, Jun 76

MICROBIOLOGY

T–mycoplasmas: Growth patterns and physical characteristics of some human strains. Furness G. **J Infect Dis** 132(5):592–6, Nov 75

[Present–day status of the problem and the prospects for the development of the theory of the role of L–form bacteria and Mycoplasma in human urological diseases] Sukhodol'skaia AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):122–6, Aug 75 (21 ref.) (Eng. Abstr.) **(Rus)**

MORTALITY

[Use of the methods of analytical prognosis for evaluation of the dynamics of mortality in diseases of the urogenital organs] Borokhov DZ, et al. **Urol Nefrol (Mosk)** (5):16–20, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Frequency and management of urological and some other complications following radical surgery for carcinoma of the cervix uteri, stages I and II. Mattsson T. **Acta Obstet Gynecol Scand** 54(3):271–80, 1975

The pattern of surgical disorders in Poona. Joshi MJ, et al. **J Indian Med Assoc** 65(3):70–5, 1 Aug 75

[Urinary tract problems in adults with myelomeningocele] Madersbacher H. **Z Urol Nephrol** 68(11):791–8, Nov 75 **(Ger)**

PREVENTION & CONTROL

Prostate carcinoma: measures to improve therapeutic response and prevent complications. Green N, et al. **Urology** 6(3):287–90, Sep 75

RADIOGRAPHY

[Intravenous urography in chronic renal insufficiency in children] Gauthier N, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:339–40, 1975 **(Fre)**

[Uro–radiographic investigations in patients with tumors in the large bowel (author's transl)] Musumeci R, et al. **Tumori** 61(4):401–11, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Radiation protection. (10). Patient protection in urogenital x–ray tests] Hiramatsu Y. **Jpn J Clin Radiol** 20(11):1045–8, Oct 75 **(Jpn)**

[X–ray diagnosis of obstructive uropathies in children with lymphogranulomatosis] Pereslegin IA, et al. **Vestn Rentgenol Radiol** (3):71–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

SURGERY

Surgery of the aged Management of renal, urinary, and genital problems. Parry WL. **Major Probl Clin Surg** 17:74–110, 1975

Thromboembolic problems in urologic surgery. Collins RE, et al. **Urol Clin North Am** 3(2):393–401, Jun 76

Perioperative antibiotics in urologic surgery. Dellinger P. **Urol Clin North Am** 3(2):323–31, Jun 76

Pulmonary management of the urologic patient. Feeley TW, et al. **Urol Clin North Am** 3(2):239–54, Jun 76

Anesthetic considerations in urologic surgery. Miller JD, et al. **Urol Clin North Am** 3(2):301–11, Jun 76

Cardiovascular complications of urologic surgery. Wittels E, et al. **Urol Clin North Am** 3(2):225–37, Jun 76

Aggressive management of genitourinary complications of renal transplantation. Gregory JG, et al. **Urology** 7(4):349–54, Apr 76

[Some changes in respiration and hemodynamics during general anesthesia in endoscopic urological operations and manipulations] Ivanova Ts, et al. **Khirurgiia (Sofiia)** 29(1):59–64, 1976 (Eng. Abstr.) **(Bul)**

[Osteitis of the pubic bones as a complication following urologic surgery] Petkov P. **Khirurgiia (Sofiia)** 28(4):384–5, 1975 **(Bul)**

[Comparative study of injectable cotrimoxazole and doxycycline in urologic surgery] Derluyn JP, et al. **Acta Urol Belg** 42(4):485–91, Oct 74 (Eng. Abstr.) **(Fre)**

[Multiple and simultaneous operations on the urinary tract and adjacent organs. I. Urology and gynecology] **J Urol Nephrol (Paris)** 80(12 pt 2):390–5, Dec 74 **(Fre)**

[Multiple and simultaneous operations on the urinary tract and adjacent organs. II. Urology and abdominal surgery] **J Urol Nephrol (Paris)** 80(12 pt 2):395–418, Dec 74 **(Fre)**

[Multiple and simultaneous operations in urology. Comprehensive view of the subject and overall results] **J Urol Nephrol (Paris)** 80(12 pt 2):354–63, Dec 74 **(Fre)**

[Multiple and simultaneous uro–urologic operations excluding lithiasis] **J Urol Nephrol (Paris)** 80(12 pt 2):376–90, Dec 74 **(Fre)**

[Multiple and simultaneous operations in urology. Introduction] Rognon L. **J Urol Nephrol (Paris)** 80(12 pt 2):351–3, Dec 74 **(Fre)**

[Value of rifamycin sv used in situ in urologic surgery] Patoir G, et al. **Lille Med** 21(1 suppl 1):8–12, Jan 76 **(Fre)**

[Prevention of thromboembolism in urology] Vecsey D. **Z Urol Nephrol** 68(10):766–8, Oct 75 **(Ger)**

[Preventive Hiprex in urinary tract operations] Sander S, et al. **Tidsskr Nor Laegeforen** 96(3):167–9, 30 Jan 76 (Eng. Abstr.) **(Nor)**

[Diagnosis of disorders of the peripheral circulation in the immediate postoperative period in children with urologic diseases] Derzhavin VM, et al. **Urol Nefrol (Mosk)** (3):31–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Supravesical urinary diversion in children with obstructive uropathy] Doletskiĭ SIa, et al. **Urol Nefrol (Mosk)** (3):48–52, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Clinico–bacteriological aspects of hospital complications of postoperative wounds in a urological clinic] Mokhort VA, et al. **Urol Nefrol (Mosk)** (6):28–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Forced diuresis for flushing of bladder after urological operations] Jönsson M, et al. **Lakartidningen** 73(7):508–9, 11 Feb 76 (Eng. Abstr.) **(Swe)**

THERAPY

Guide for the management of women with symptoms arising in the lower urinary tract. Marshall JR, et al. **Clin Obstet Gynecol** 19(2):247–58, Jun 76

Protocol management of male genitourinary infections. Rhodes A, et al. **J Am Vener Dis Assoc** 2(4):23–30, Jun 76

Skepticism and the test of time: the doctor's dilemma. Presman D. **J Urol** 115(3):227–8, Mar 76

[Chronic kidney and urinary tract diseases in the patient material of a pediatric balneological center] Vendl L, et al. **Cesk Pediatr** 30(4):155–9, Apr 75 (Eng. Abstr.) **(Cze)**

[Urologic indications for secondary radioionization] Martinet R. **Helv Chir Acta** 42(3):397–400, Jun 75 **(Fre)**

[Hospital infections. 4. Urological technics and hospital infections] Kumazawa J. **J Jpn Assoc Infect Dis** 49(10):409–10, Oct 74 **(Jpn)**

URINE

[Diagnostic significance of the demonstration of fibrin and fibrinogen degradation products in the urine] Bendel M, et al. **Schweiz Med Wochenschr** 105(33):1040–7, 16 Aug 75 (Eng. Abstr.) **(Ger)**

[Urine examination in general practice] Hofstetter A. **ZFA** 52(7):332–41, 10 Mar 76 **(Ger)**

VETERINARY

Some demographic characteristics of the domestic cat population in Great Britain with particular reference to feeding habits and the incidence of the feline urological syndrome. Fennell C. **J Small Anim Pract** 16(12):775–83, Dec 75

The urinary system. Zontine WJ. **Mod Vet Pract** 56(12):840–4, Dec 75

Interaction effects of epidemiologic factors in the feline urological syndrome. Willeberg P. **Nord Vet Med** 28(4–5):193–200, Apr–May 76

Feline urologic diseases. Scott RC. **Vet Clin North Am** 6(3):479–93, Aug 76 (17 ref.)

UROLOGY

see related
UROLOGIC DISEASES

A computer-based record and organisation system for a department of urology. Wickham JE, et al. **Br J Urol** 47(4):345–57, Aug 75
Letter: Genito-urinary medicine. Grimble AS. **Br J Vener Dis** 51(6):410, Dec 75
Current scientific interests of Division of Urology, U.C.L.A. Kaufman JJ. **Int Urol Nephrol** 7(2):95–101, 1975
Editorial: International Urodynamics society. Boyarsky S. **J Urol** 115(4):355, Apr 76
Informed consent: recent changes in the law. Boyarsky S. **J Urol** 116(2):226–7, Aug 76
Renovascular hypertension: the role of the urologist. Fair WR. **J Urol** 114(5):655–65, Nov 75 (63 ref.)
Electrosurgery burns and the urologist. Goodman GR. **J Urol** 116(2):218–20, Aug 76
The acute need for the collection of data about urology. Lattimer JK. **J Urol** 116(2):221–2, Aug 76
Editorial: Publish and perish. Allen TD. **South Med J** 69(8):965–6, Aug 76
[Development and perspectives of pediatric urology] Faflová H. **Rozhl Chir** 54(9):599–601, Sep 75 (Eng. Abstr.) **(Cze)**
[Editorial: Good news in urology] Hvidt V. **Ugeskr Laeger** 137(50):2999–3000, 8 Dec 75 **(Dan)**
[The leading picture of the urologist] Knipper W. **Munch Med Wochenschr** 118(21):45–6, 49, 52–4, 21 May 76 **(Ger)**
[Report on the 17th Convention of the Vereinigung Norddeutscher Urologen, June 19–21, 1975, in Malente] Bleicken HG. **Urologe [A]** 15(2):97–9, Mar 76 **(Ger)**
[The report on the 21st Convention of the Nordrhein-Westfälische Gesellschaft für Urologie, June 13–14, 1975, in Cologne] Strohmenger P. **Urologe [A]** 15(1):55–7, Jan 76 **(Ger)**
[Facilities and working methods in the urologic department of a polyclinic] Lohse R, et al. **Z Aerztl Fortbild (Jena)** 69(15):820–3, 1 Aug 75 **(Ger)**
[Bibliography of Polish urology during the years 1970–1971] Chojna JW. **Pol Przegl Chir** 47(11A):1357–405, Nov 75 **(Pol)**
[Bibliography of Polish urological literature in the years 1972–1973] Chojna JW. **Pol Przegl Chir** 48(6A):821–58, Jun 76 **(Pol)**
[Organization of nephrological care in a large town] Severova EIa, et al. **Sov Zdravookhr** (8):27–30, 1975 (Eng. Abstr.) **(Rus)**
[General deontologic principles and their importance in surgery and urology] Rusakov VI. **Urol Nefrol (Mosk)** (3):58–9, May–Jun 75 **(Rus)**

EDUCATION

Urologic education: what can be done? Hinman F Jr. **J Urol** 116(2):223–5, Aug 76
Education of urologists. Murphy JJ. **Urology** 7(1):73–5, Jan 76

HISTORY

The creation of the American urologist, 1902–1912. Zorgniotti AW. **Bull NY Acad Med** 52(3):283–92, Mar–Apr 76
Edwin Beer (1876–1938). Silvert MA. **Invest Urol** 13(2):169, Sep 75
Howard Atwood Kelly (1858–1943).725Kelly HA Silvert MA. **Invest Urol** 13(5):385–6, Mar 76
Development of urology in Maryland through 1925. Frontz WA. **Md State Med J** 25(3):53–6, Mar 76
Urology at the time of the American Revolution. Herman JR. **NY State J Med** 76(8):1362–71, Aug 76
Early arabian medicine: contribution to urology. Hanafy HM, et al. **Urology** 8(1):63–7, Jul 76
Homans' aspirating needle. Herman JR. **Urology** 7(1):17M,62E, Jan 76
Dr. Van Buren's rubber bag and stopcock for injecting hydrocele. Herman JR. **Urology** 7(1):17G,17M, Jan 76
Dr. Chambers' testicle compressor. Herman JR. **Urology** 7(1):88, Jan 76
Hugh Young—one resident's view. Semans JH. **Urology** 6(4):525–9, Oct 75
[Between Haulik's Hospital and Masek's 3d Department (on occasion of the 80th anniversary of the beginning of the Croatian urology)] Sarinić P, et al. **Lijec Vjesn** 97(9):533–5, Oct 75 **(Cro)**
[30 years of Czechoslovak urology] Hradec E. **Cas Lek Cesk** 114(26):785–7, 27 Jun 75 **(Cze)**
[30 years of Czechoslovak nephrology] Schück O. **Cas Lek Cesk** 114(39):1193–4, 26 Sep 75 **(Cze)**
[Beginings of cooperation between the urologists and radiologists] Pačes V. **Cesk Radiol** 29(5):356–7, Sep 75 (Eng. Abstr.) **(Cze)**
[History of urology in Hokkaido in the last 50 years] Tsuji I. **Hokkaido J Med Sci** 50(2):105–9, Mar 75 **(Jpn)**
[In memoriam: Dr. Wojciech Modelski 1926–1975] **Pol Przegl Chir** 48(6A):753–4, Jun 76 **(Pol)**

INSTRUMENTATION

Clamp for passing ureteral catheters. Eggleston FC. **J Urol** 115(6):714, Jun 76
The three-in-one urological syringe. Squitieri AP. **J Urol** 116(1):74, Jul 76
Detection of urine loss using the Exeter recording nappy and other similar devices. Rowan D, et al. **Urol Int** 31(1–2):70–7, 1976
Evolution of knife-punch resectoscope. Nation EF. **Urology** 7(4):417–27, Apr 76
Development of ureteral stone basket. Pfister RR, et al. **Urology** 6(3):337–8, Sep 75
[Wireless endoscopy] Jaupitre. **J Urol Nephrol (Paris)** 80(12 pt 2):474–6, Dec 74 **(Fre)**

METHODS

Urethrosphincteric reconstruction for congenitally absent urethra. Tanagho EA. **J Urol** 116(2):237–42, Aug 76
Pull-through uretero-lithotomy. Urquhart-Hay D. **NZ Med J** 83(559):156–8, 10 Mar 76
[The effect of technology on the development of urology] Terhorst B. **Med Welt** 27(8):372–6, 20 Feb 76 (29 ref.) **(Ger)**
[Urology — yesterday and today (author's transl)] Rummelhardt VS. **Wien Klin Wochenschr** 88(4):121–9, 20 Feb 76 (Eng. Abstr.) **(Ger)**

URONIC ACIDS

ANALYSIS

A rapid method for seperation and identification of several hexuronic acids and hexuronic acid–containing oligosaccharides. Kosakai M, et al. **Anal Biochem** 69(2):415–9, Dec 75
Uronic acid content in polysaccharides: estimation by decarboxylation involving use of gas chromatography. Kosheleva LP, et al. **Anal Biochem** 73(1):115–9, 21 May 76
Determination of uronic acid in uronides by application of a new microgram-scale isotope dilution method for carbon dioxide. Mede K, et al. **Anal Biochem** 71(1):163–71, Mar 76
Determination of hexuronic acids in glycosaminoglycans by automated ion–exchange chromatography. Radhakrishnamurthy B, et al. **Anal Biochem** 75(1):160–7, Sep 76
The influence of the intrapolymer environment on periodate oxidation of uronic acids in polyuronides and glycosaminoglycuronans. Scott JE, et al. **Biochem Soc Trans** 3(5):662–4, 1975
Identification of D-galacturonic acid in the specific capsular polysaccharide of pneumococcal type XXV. Das A, et al. **Carbohydr Res** 48(2):304–5, Jun 76
The distribution of sulfated uronic acid and hexosamine residues in heparin and heparan sulfate. Cifonelli JA, et al. **Connect Tissue Res** 3(1):97–104, 1975
The uronidic linkages in heparitin sulfate. Linker A. **Connect Tissue Res** 3(1):33–7, 1975
Preparation, separation and degradation of oligouronides produced by the polygalacturonic acid transeliminase of Bacillus pumilus. Davé BA, et al. **J Chromatogr** 116(2):395–405, 21 Jan 76

BIOSYNTHESIS

Biosynthesis of uridine diphosphate N-acetyl-D-mannosaminuronic acid from uridine diphosphate N-acetyl-D-glucosamine in Escherichia coli: separation of enzymes responsible for epimerization and dehydrogenation. Kawamura T, et al. **Biochem Biophys Res Commun** 66(4):1506–12, 27 Oct 75
Control of teichoic and teichuronic acid biosynthesis in Bacillus subtilis 168trp. Evidence for repression of enzyme synthesis and inhibition of enzyme activity. Rosenberger RF. **Biochim Biophys Acta** 428(2):516–24, 23 Apr 76

CHEMICAL SYNTHESIS

Synthesis of a sugar occurring in an antibiotic: ezoaminuroic acid, the first example of a naturally occurring 3-amino-3-deoxyhexuronic acid. Ogawa T, et al. **Carbohydr Res** 44(2):C22–4, Nov 75

METABOLISM

Physiological and genetic regulation of the aldohexuronate transport system in Escherichia coli. Nemoz G, et al. **J Bacteriol** 127(2):706–18, Aug 76
Binding of calcium by dietary fibre: its relationship to unsubstituted uronic acids. Branch WJ, et al. **Proc Nutr Soc** 34(3):120A, Dec 75

PHYSIOLOGY

Metabolism and physiological effects of the pentoses and uronic acids. pp. 135–49. Touster O. **In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974.** (25 ref.)

URINE

Alaskan malamute chondrodysplasia. II. Urinary excretion of hydroxyproline, uronic acid and acid mucopolysaccharides. Hoag GN, et al. **Growth** 40(1):13–8, Mar 76

UROPEPSIN

ANALYSIS

[Determination of uropepsin as an indicator of phase conditions of the body reactivity in immunotherapy] Zhukov VI, et al. **Vestn Dermatol Venerol** (6):33–7, Jun 75 (Eng. Abstr.) **(Rus)**

URINE

Urinary 17-ketosteroid and uropepsin excretion in active duodenal ulcer patients. Ladha LL, et al. **J Assoc Physicians India** 23(7):423–6, Jul 75
[Uropepsin change in peptic ulcer after balneological treatment at Khisar] Nonchev A. **Vutr Boles** 14(4):86–9, 1975 (Eng. Abstr.) **(Bul)**
[Effect of propranolol treatment on on the basal acid secretion (BAO) and 24-hour uropepsin excretion in patients with hypertension] Rumiński W. **Pol Tyg Lek** 31(15):609–12, 12 Apr 76 (Eng. Abstr.) **(Pol)**

UROPHORPHYRINOGEN ISOMERASE see under **ISOMERASES**

UROPORPHYRINOGEN DECARBOXYLASE see under **CARBOXY-LYASES**

UROPORPHYRINOGEN I SYNTHASE see under **AMMONIA-LYASES**

UROPORPHYRINOGENS see under **PORPHYRINOGENS**

UROPORPHYRINS see under **PORPHYRINS**

URTICARIA

The social worker's interview in chronic urticaria. Levine MI, et al. **Ann Allergy** 35(5):278–80, Nov 75
Editorial: Chronic urticaria. **Br Med J** 2(6027):68–9, 10 Jul 76
An unusual case of urticaria — cause and therapy. Liddell K. **Curr Med Res Opin** 3(6):386–7, 1975
Urticaria. Stone SP. **J Fam Pract** 2(6):455–8, Dec 75 (9 ref.)
Letter: Contact urticaria syndrome. Maibach H. **JAMA** 235(17):1842, 26 Apr 76
[Clinical and experimental observations on idiopathic urticaria due to the contact with heat] Illig L, et al. **Hautarzt** 27(2):52–63, Feb 76 (Eng. Abstr.) **(Ger)**

BLOOD

[Chronic urticaria and serum iron] Giménez Camarasa JM, et al. **Med Cutan Iber Lat Am** 3(3):247–52, 1975 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Urticaria from alcoholic beverages. Karvonen J, et al. **Acta Allergol (Kbh)** 31(2):167–70, Apr 76
Letter: Rash, weakness, and acetaminophen. Michelson PA. **Ann Intern Med** 83(3):374, Sep 75
Letter: Contact urticaria syndrome. Falk MS. **Arch Dermatol** 112(4):559, Apr 76
Contact urticaria from cobalt chloride. Smith JD, et al. **Arch Dermatol** 3(12):1610–1, Dec 75
Contact urticaria from cephalosporins. Tuft L. **Arch Dermatol** 3(12):1609, Dec 75
Reactions to aspirin and food additives in patients with chronic urticaria, including the physical urticarias. Doeglas HM. **Br J Dermatol** 93(2):135–44, Aug 75
Contact urticaria and anaphylactoid reaction induced by topical application of nitrogen mustard. Grunnet E. **Br J Dermatol** 94(1):101–3, Jan 76
Toxic woods. Woods B, et al. **Br J Dermatol** 94(13 Suppl):1–97, Jun 76
Measurement of histamine, complement components and immune complexes during patient reactions to iodinated contrast material. Siegle RL, et al. **Invest Radiol** 11(2):98–101, Mar–Apr 76
Generalized urticaria to cyclophosphamide: Type I hypersensitivity to an immunosuppressive agent. Lakin JD, et al. **J Allergy Clin Immunol** 58(1 PT. 2):160–71, Jul 76
Chronic urticaria and intermittent anaphylaxis. Reactions to lophendylate. Lieberman P, et al. **JAMA** 236(13):1495–7, 27Sep 76
[Urticaria medicamentosa] Ledoux-Corbusier M. **Brux Med** 55(12):629–33, Dec 75 **(Fre)**
[Questions from clinical practice. (Recurrent urticaria)] Klaschka F, et al. **Berufsdermatosen** 24(4) Aug 76 **(Ger)**
[Nosological aspects of adhesive tape incompatibility] Miemiec E. **Dermatol Monatsschr** 161(8):635–9, Aug 75 (Eng. Abstr.) **(Ger)**
[Recurrent toxidermia] Fedorovich SV, et al. **Klin Med (Mosk)** 53(9):124–6, Sep 75 **(Rus)**

COMPLICATIONS

Cholinergic urticaria with systemic manifestations. Kounis NG, et al. **Ann Allergy** 35(4):243–5, Oct 75
Hypersensitivity to procarbazine associated with angioedema, urticaria, and low serum complement activity. Glovsky MM, et al. **J Allergy Clin Immunol** 57(2):134–40, Feb 76
Articular and cutaneous prodromal manifestations of viral hepatitis. Segool RA, et al. **J Pediatr** 87(5):709–12, Nov

75
Skin lesions, angio-oedema, and hypocomplementaemia. Sissons JG, et al. **Lancet** 2(7893):1350–2, 7 Dec 74
Lymphosarcoma, cold urticaria, IgG1 monoclonal cryoglobulin and complement abnormalities. Hauptmann G, et al. **Scand J Haematol** 15(1):22–6, Aug 75
[The significance of yeast infections in patients with chronic urticaria] Schade C, et al. **Dermatol Monatsschr** 162(2):156–8, Feb 76 **(Ger)**
[The problem of functional disorders of the small intestine in urticaria-like diseases and other dermatoses] Heise H, et al. **Dermatol Wochenschr** 161(9):729–34, Sep 75 **(Ger)**

DIAGNOSIS

The cutaneous reactions to kallikrein, prostaglandin and thurfyl nicotinate in chronic urticaria and the effect of polyphloretin phosphate. Thune P, et al. **Acta Derm Venereol (Stockh)** 56(3):217–21, 1976
Evaluation of cryo-stimulation test for the diagnosis of cold urticaria. Pasricha JS, et al. **Ann Allergy** 35(6):383–6, Dec 75
Challenge test battery in chronic urticaria. Warin RP, et al. **Br J Dermatol** 94(4):401–6, Apr 76
Provocation tests with antiphlogistica and food additives in recurrent urticaria. Thune P, et al. **Dermatologica** 151(6):360–7, 1975
Recurrent urticaria. Juhlin L. **Int J Dermatol** 15(4):271–6, May 76

DIET THERAPY

A follow-up study of patients with recurrent urticaria and hypersensitivity to aspirin, benzoates and azo dyes. Ros AM, et al. **Br J Dermatol** 95(1):19–24, Jul 76

DRUG THERAPY

Five year experience of antibiotic and chemotherapy of urticaria. Ottolenghi F. **Ital Gen Rev Dermatol** 11(1):7–12, Jan–Apr 74
[Oriel's urinary proteose in allergic diseases] Cal y Mayor Sauz O, et al. **Alergia** 22(3):153–9, Jul 75 (Eng. Abstr.) **(Spa)**
[Use of hydroxyzine hydrochlorate in the treatment of chronic urticaria] Gómez HO, et al. **Alergia** 22(3):139–45, Jul 75 (Eng. Abstr.) **(Spa)**
[Use of hydroxyzine chloride in the treatment of chronic urticaria] Ortega Gómez H, et al. **Gac Med Mex** 110(4):293–7, Oct 75 **(Spa)**

ENZYMOLOGY

Protease inhibitors in plasma of patients with chronic urticaria. Doeglas HM, et al. **Arch Dermatol** 111(8):979–85, Aug 75

ETIOLOGY

Recurring and chronic urticaria: identification of etiologies. Fisherman EW, et al. **Ann Allergy** 36(6):400–9, Jun 76
Reactions to hidden agents in foods and drugs can be serious. Lockey SD. **Ann Allergy** 35(4):239–42, Oct 75
Thermal urticaria: An unusual case. Weiss NS, et al. **Ann Allergy** 37(1):55–7, Jul 76
Letter: BCG therapy and urticaria. Cheson BD. **Ann Intern Med** 83(5):738–9, Nov 75
Letter: A chilling thought. Hoke AW. **Arch Dermatol** 112(1):122, Jan 76
Pathogenesis of solar urticaria. Sweat droplet in testing for photosensitivity. Shelley WB, et al. **Arch Dermatol** 112(6):850–2, Jun 76
Urticaria and hyperthyroidism. Pace JL, et al. **Br J Dermatol** 93(1):97–9, Jul 75
Significance of tartrazine sensitivity in chronic urticaria of unknown etiology. Settipane GA, et al. **J Allergy Clin Immunol** 57(6):541–6, Jun 76
An interrogative study of pattern of urticaria in children. Sehgal VN, et al. **J Dermatol (Tokyo)** 2(1):1–4, Mar 75
Cold urticaria: release into the circulation of histamine and eosinophil chemotactic factor of anaphylaxis during cold challenge. Soter NA, et al. **N Engl J Med** 294(13):687–90, 25 Mar 76
Severe urticaria caused by a moth Euproctis sp. (Lepidoptera: Lymantriidae). Frankel S. **Papua New Guinea Med J** 18(3):149–51, Sep 76
[Cholinergic urticaria and urticaria due to cold in the same person] Mijailović B, et al. **Lijec Vjesn** 97(4):223–4, 1975 (Eng. Abstr.) **(Cro)**
[Letter: Fainting with coma in urticaria generalisata (cold allergy) attack] **Ned Tijdschr Geneeskd** 120(5):213–5, 31 Jan 76 **(Dut)**
[Letter: Fainting with coma in urticaria generalisata (cold allergy) attack] Doeglas HM. **Ned Tijdschr Geneeskd** 120(7):302–3, 14 Feb 76 **(Dut)**
[Syncope with coma in an attack of generalized urticaria (cold allergy)] Lindeboom GA. **Ned Tijdschr Geneeskd** 119(47):1833–5, 22 Nov 75 **(Dut)**
[Letter: Urticaria explained by an abnormal hemoglobin] Michel Y, et al. **Nouv Presse Med** 4(44):3146, 20 Dec 75 **(Fre)**
[Weal-formation by Utrica Dioica. An intravital reaction? (author's transl)] Böhm E, et al. **Z Rechtsmed** 76(1):1–9, 5 Sep 75 (Eng. Abstr.) **(Ger)**
[Urticaria of thermal and mechanical origin] Mijailović B, et al. **Vojnosanit Pregl** 33(3):170–1, May–Jun 76 **(Ser)**
[Urticarial reaction after patch tests of toothpaste with a subshock condition. Hypersensitivity to carraway seed (author's transl)] Hegyi E, et al. **Cesk Dermatol** 51(1):19–22, Feb 76 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

Proceedings: Pressure urticaria in father and son. **Br J Dermatol** 94(2):227, Feb 76
[Intermittent rheumatism revealing a familial syndrome. Arthritis--urticarian eruptions--deafness: Muckle-Wells syndrome without kidney amylosis] Prost A, et al. **Rev Rhum Mal Osteoartic** 43(3):201–8, Mar 76 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Complement component profiles in urticaria, dermatitis herpetiformis, and alopecia areata. Berrens L, et al. **Br J Dermatol** 95(2):145–52, Aug 76
Urticaria. Levine MI. **Compr Ther** 2(3):62–6, Mar 76
Defective release of eosinophil chemotactic factor from peripheral leukocytes in patients with chronic urticaria. Czarnetzki BM, et al. **J Invest Dermatol** 67(2):276–8, Aug 76
Letter: Complement in angio-oedema. Ortolani C, et al. **Lancet** 1(7959):587, 13 Mar 76
[Delayed pressure urticaria and hypocomplementemia] Saurat JH, et al. **Ann Med Interne (Paris)** 126(4):2855–9, Apr 75 **(Fre)**
[The IgD serum level in various forms of eczema and urticaria] Schubert H, et al. **Dermatol Monatsschr** 161(11):902–4, Nov 75 **(Ger)**
[Urticaria, deafness and amyloidosis. Study of a case with direct immunofluorescence] de Castro Torres A, et al. **Actas Dermosifiliogr** 66(9–10):505–12, Sep–Oct 75 **(Spa)**
[Hypersensitivity to 'Candida albicans' and other fungi in patients with chronic urticaria] Serrano H. **Allergol Immunopathol (Madr)** 3(5):289–98, Sep–Oct 75 (Eng. Abstr.) **(Spa)**
[Contact urticaria] Castells Rodellas A, et al. **Med Cutan Iber Lat Am** 2(6):417–23, 1974 (Eng. Abstr.) **(Spa)**

METABOLISM

Defective histamine release in chronic urticaria. Kern F, et al. **J Clin Invest** 57(5):1369–77, May 76
[Level of individual components of the kinin system in Quincke's edema and acute and chronic urticaria] Ogorodova TS. **Vestn Dermatol Venerol** (7):19–21, Jul 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cytomegalovirus mononucleosis with urticaria. Humphreys DM, et al. **Postgrad Med J** 51(596):404–6, Jun 75
[Occurrence of yeasts and therapeutic results in chronic urticaria] Schade C, et al. **Dermatol Monatsschr** 161(3):187–95, Mar 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Letter: Incidence of dermographism. Johnson RF. **Br Med J** 1(6024):1533–4, 19 Jun 76
Letter: Incidence of dermographism. Warin RP. **Br Med J** 2(6030):298, 31 Jul 76

PATHOLOGY

Solar urticaria. A case with possible increase of skin mast cells. Baart de la Faille H, et al. **Br J Dermatol** 92(1):101–7, Jan 75

THERAPY

Induced tolerance in cold urticaria caused by cold-evoked histamine release. Bentley-Phillips CB, et al. **Lancet** 2(7976):63–6, 10 Jul 76
Managing acute urticaria. Levine MI. **Postgrad Med** 59(4):145–8, Apr 76
Cold urticaria-'desensitisation'. Leigh IM, et al. **Trans St Johns Hosp Dermatol Soc** 60(1):40–2, 1974

VETERINARY

Severe urticarial reaction in a dog following ingestion of tall field buttercup. Winters JB. **Vet Med Small Anim Clin** 71(3):307, Mar 76

URTICARIA, GIANT see **ANGIONEUROTIC EDEMA**

URTICARIA PIGMENTOSA

Urticaria pigmentosa. Hajini GH, et al. **Indian Pediatr** 13(1):59–61, Jan 76
Bullous urticaria pigmentosa: a case report. Merchant RH, et al. **Indian Pediatr** 12(11):1189–91, Nov 75
[Osseous mastocytosis. Apropos of a case] Barceló P Jr, et al. **Rev Esp Reum Enferm Osteoartic** 19(1):77–124, 1976 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Mastocytosis nodularis - of the xanthelasmoidea type] Sganoeva L, et al. **God Zb Med Fak Skopje** 17:399–406, 1971 (Eng. Abstr.) **(Ser)**

COMPLICATIONS

Tetany, malabsorption, and mastocytosis. Dantzig PI. **Arch Intern Med** 135(11):1514–8, Nov 75
Generalized mastocytosis, relapsing herpes zoster and polyradiculoneuritis. Kalz F. **Dermatologica** 150(6):366–8, 1975
Gastrointestinal involvement in systemic mastocytosis. Ammann RW, et al. **Gut** 17(2):107–12, Feb 76

DIAGNOSIS

Pseudoxanthomatous mastocytosis. Griffiths WA, et al. **Br J Dermatol** 93(1):91–5, Jul 75
Letter: A case of pseudoxanthomatous mastocytosis. Niemi KM, et al. **Br J Dermatol** 94(3):343–4, Mar 76
Bone scan in mastocytosis: case report. Sy WM, et al. **J Nucl Med** 17(8):699–701, Aug 76

DRUG THERAPY

Mithramycin in the treatment of systemic mastocytosis. Conrad ME, et al. **Ann Intern Med** 83(5):659–60, Nov 75

FAMILIAL & GENETIC

Diffuse cutaneous mastocytosis in mother and daughter. Klaber M. **Proc R Soc Med** 69(1):16–18, Jan 76

METABOLISM

Histochemical demonstration of hyaluronic acid in human dermal mast cells. Sasai Y, et al. **Tohoku J Exp Med** 116(3):285–93, Jul 75

PATHOLOGY

Ultrastructural features of mast cells in systemic mastocytosis. Naveh Y, et al. **Acta Derm Venereol (Stockh)** 55(6):443–50, 1975
Mastocytosis in suckling mice. Nozue T, et al. **Experientia** 31(10):1209–10, 15 Oct 75
Involvement of the small intestine in systemic mast cell disease. Scott BB, et al. **Gut** 16(11):918–24, Nov 75
Systemic mastocytosis associated with presence of rheumatoid factor. Ritz J, et al. **JAMA** 235(15):1586–7, 12 Apr 76
Incontinentia pigmenti and urticaria pigmentosa. Jacobson C. **Mod Probl Paediatr** 17:15–20, 1975

USNIC ACID see under **BENZOFURANS**

USTILAGINALES see under **BASIDIOMYCETES**

USTILAGO see under **BASIDIOMYCETES**

USVC 6524 see under **PINDOLOL**

UTERINE CONTRACTION

Letter: Uterine muscle cell relaxation during pregnancy. Receptor therory-a new explanation. Castrén O, et al. **Acta Obstet Gynecol Scand** 54(3):293–4, 1975
Metabolic factors involved in the uterine motility of the rat. Goldraij A, et al. **Acta Physiol Lat Am** 25(3):229–32, 1975
Initiating contractions of the gravid uterus through electro-acupuncture. Kubista E, et al. **Am J Chin Med** 3(4):343–6, Oct 75
Intervillous space during uterine contractions in human subjects: an ultrasonic study. Bleker OP, et al. **Am J Obstet Gynecol** 123(7):697–9, 1 Dec 75
Uterine contractility data processing system. Kepka A, et al. **Am J Obstet Gynecol** 123(3):246–50, 1 Oct 75
Intrauterine pressure wave form characteristics in hypocontractile labor before and after oxytocin administration. Seitchik J, et al. **Am J Obstet Gynecol** 123(4):426–34, 15 Oct 75
Hormonal control of changes in the direction of uterine contractions in the estrous ewe. Hawk HW. **Biol Reprod** 12(3):423–30, Apr 75
Mechanical responses of rat isolated uterine horns to transmural stimulation. Hollingsworth M. **Br J Pharmacol** 55(1):41–6, Sep 75
An optimized algorithm for the detection of uterine contractions in intrauterine pressure recordings. Chik L, et al. **Comput Biomed Res** 8(3):294–301, Jun 75
The accuracy of measurements of intrauterine pressure during labor: a statistical analysis. Knoke JD, et al. **Comput Biomed Res** 9(2):177–86, Apr 76
Variations of cyclic nucleotide monophosphate levels during spontaneous uterine contractions. Johansson S, et al. **Experientia** 31(11):1314–5, 15 Nov 75
The role of mitochondria in uterine contractions. Wikström M, et al. **FEBS Lett** 56(1):120–3, 1 Aug 75
The uterus in pregnancy: physiologic and pharmacologic considerations. pp. 62–9. Gustavii B. **In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.** (49 ref.)
Periuterine and systemic hypoxia leading to initiation of labor. pp. 197–210. Vasicka A. **In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.**
On the motility of the uterine muscle. Louros NC. **Int Surg** 61(2):73–9, Feb 76
Effects of standing position on spontaneous uterine contractility and other aspects of labor. Méndez-Bauer C, et al. **J Perinat Med** 3(2):89–100, 1975
Computed dip-parameters derived from digitized

FHR-curves. I. The describing parameters and the method of digitizing. Morgenstern J, et al. **J Perinat Med** 2(4):254–9, 1974

Fetal heart rate patterns in labors with intact and with ruptured membranes. Schwarcz R, et al. **J Perinat Med** 1(3):153–65, 1973

Mechanism for increased production of prostaglandins in labour. Batra S, et al. **Lancet** 1(7970):1164–5, 29 May 76

Fetal activity acceleration determination for the evaluation of fetal reserve. Lee CY, et al. **Obstet Gynecol** 48(1):19–26, Jul 76

Correlation of fetal heart rate–uterine contraction patterns with fetal scalp blood pH. Tejani N, et al. **Obstet Gynecol** 46(4):392–6, Oct 75

Electronic monitoring of the fetal heart rate and uterine contractions during cesarean section under balanced anesthesia. Timor-Tritsch I, et al. **Obstet Gynecol** 48(3):292–6, Sep 76

Spontaneous and oxytocin induced uterine motility during the oestrous cycle in goats. Jones DE, et al. **Res Vet Sci** 19(2):131–4, Sep 75

[Characteristics of the contractile activity of the uterus during delivery of a fetus with a twisted umbilicus] Bakuleva L, et al. **Akush Ginekol (Sofiia)** 14(6):440–4, 1975 (Eng. Abstr.) **(Bul)**

[Obstetrical tocography. II. Review of its methodology and a new concept] Fletcher WJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(3):351–8, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Test of fetal tolerance to uterine contraction. 3. Role in the detection of chronic fetal distress. Therapeutic prospects] Hajeri H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(7):847–65, Oct 73 (Eng. Abstr.) **(Fre)**

[Test of fetal tolerance to uterine contraction. 2. Value in detection of chronic fetal distress] Hajeri H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):685–97, Sep 73 (Eng. Abstr.) **(Fre)**

[Simple procedure for extra-amniotic internal tocography] Lewin D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):587–90, Jun 75 (Eng. Abstr.) **(Fre)**

[Contractile force, work of the uterus, power developed and resistance of the cervix uteri during labor. Measurements in Poissy units] Lewin D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(3):333–42, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Physical and biochemical parameters during normal labor. Fetal and maternal studies] Puech F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(5):627–46, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Obstetrical tocography. I. Didactic summary] Smyth CN. **J Gynecol Obstet Biol Reprod (Paris)** 5(1):45–56, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Experimental study of the motor excitory action of human and cow's milk on various isolated organs] Vlyssidès Z, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(4):599–601, Jun 74 (Eng. Abstr.) **(Fre)**

[Biotelemetry set-up for ambulatory tocography (author's transl)] Schmötzer M, et al. **Biomed Tech (Berlin)** 21(4):120–5, May 76 (Eng. Abstr.) **(Ger)**

[The significance of gestational age in evaluating the antepartal cardiotokogram (author's transl)] Richter R, et al. **Geburtshilfe Frauenheilkd** 36(1):20–5, Jan 76 (Eng. Abstr.) **(Ger)**

[Uterine activity in late pregnancy (author's transl)] Warkentin B. **Z Geburtshilfe Perinatol** 180(3):225–9, Jun 76 (Eng. Abstr.) **(Ger)**

[Behavior of partial oxygen pressure in the scalp of the fetus during physiological uterus contraction] Bellée H, et al. **Zentralbl Gynaekol** 97(7):413–8, 1975 (Eng. Abstr.) **(Ger)**

[Dependence of the contractility of the non-pregnant human uterus from the perfusion pressure of the vascular bed during the menstrual cycle] Czekanowski R. **Zentralbl Gynaekol** 97(17):1057–67, 1975 (Eng. Abstr.) **(Ger)**

[Cardiotocogram findings in antenatal monitoring of fetal hematoblastosis and during intrauterine intrafetal transfusion] Wilken HP, et al. **Zentralbl Gynaekol** 97(19):1195–200, 1975 (Eng. Abstr.) **(Ger)**

[1st experience in the automatic monitoring of carbor at risk. Evaluation of uterine contractions by means of a hybrid computer] Romannini C, et al. **Minerva Pediatr** 28(3):139–45, 4 Feb 76 **(Ita)**

[The behaviour of catecholamines in the urine of women in labour with an intensified and weak uterine contractile function (author's transl)] Bokiniec M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:143–50, 1974 (Eng. Abstr.) **(Pol)**

[Relationship between uterine flow and uterine contractility in the non-pregnant human uterus] Czekanowski R. **Ginekol Pol** 46(8):849–58, Aug 75 (Eng. Abstr.) **(Pol)**

[Hysterotonometry in normal pregnancy, late pregnancy toxemias, and normal and pathologic labor] Molzhaninov EV, et al. **Akush Ginekol (Mosk)** (9):37–40, Sep 75 (Eng. Abstr.) **(Rus)**

[The use of electroanalgesia in regulation of the labor activity] Papitashvili AM. **Akush Ginekol (Mosk)** (11):52–6, Nov 75 (Eng. Abstr.) **(Rus)**

[Various peculiarities of myometrial contractility in fibromyoma of the uterus] Savitskiĭ GA, et al. **Akush Ginekol (Mosk)** (12):30–3, Dec 75 (Eng. Abstr.) **(Rus)**

[Electron myotonograph] Lipovskiĭ SM, et al. **Patol Fiziol Eksp Ter** (6):85–7, Nov–Dec 75 **(Rus)**

[New model tocograph (hysteromanograph) for the objective evaluation of the nature of the labor activity and the diagnosis of labor complications] Lebedeva IM, et al. **Zdravookhr Kirg** (6):27–32, Nov–Dec 75 **(Rus)**

[Quantitative characteristics of uterine contractile activity in the dynamics of physiological labor] Rybalkina LD, et al. **Zdravookhr Kirg** (2):19–24, Mar–Apr 76 **(Rus)**

[Contractility of the human uterus with a cesarean section scar (author's transl)] Velasco VR, et al. **Reproduccion** 1(4):407–17, Oct–Dec 74 (Eng. Abstr.) **(Spa)**

[Contractility and wave of propagation of the non-pregnant uterus under the acute effect of the copper T] Martínez Gaudio M. **Rev Chil Obstet Ginecol** 37(6):293–6, 1972 **(Spa)**

[Hyperdynamia of the labor pains as one of the manifestations of a compensatory reaction of uterine contractile function in uterine inertia] Karash IuM. **Pediatr Akush Ginekol** (2):41–4, Mar–Apr 76 **(Ukr)**

DRUG EFFECTS

Action of isoprenaline, isoxsuprine and ritodrine in the human non-pregnant myometrium. Berg-Johnsen P, et al. **Acta Pharmacol Toxicol (Kbh)** 39(2):209–13, Aug 76

Response to isoprenaline in the human pregnant and non-pregnant myometrium. Lossius K, et al. **Acta Pharmacol Toxicol (Kbh)** 39(2):198–208, Aug 76

Physiology and pharmacology of the contractile function of two regions of the non-gravid uterine muscle of the rat. Borda ES, et al. **Acta Physiol Lat Am** 25(3):223–4, 1975

Physiology of the oviduct and mesosalpinx isolated from guinea pigs. Influence of pharmacological factors. Sterin-Borda L, et al. **Acta Physiol Lat Am** 25(3):235–6, 1975

The effects on stretching and prostaglandin F2alpha on the contractile and bioelectric activity of the uterus in rat. Laudański T, et al. **Acta Physiol Pol** 26(4):385–93, Jul–Aug 75

Spontaneous contractility and the response of the human uterine cervix to prostaglandins F2alpha and E2 during the menstrual cycle. Coutinho EM, et al. **Am J Obstet Gynecol** 126(2):224–5, 15Sep 76

Indomethacin induces rat uterine contractions in vitro and alters reactivity to calcium and acetylcholine. Hargrove JL, et al. **Am J Obstet Gynecol** 124(1):25–9, 1 Jan 76

Pharmacologic control of uterine contractility. In vitro human and in vivo monkey studies. Johnson WL, et al. **Am J Obstet Gynecol** 123(4):364–75, 15 Oct 75

The effect of epidural anesthesia on uterine activity and blood pressure. Matadial L, et al. **Am J Obstet Gynecol** 125(6):846–54, 15 JUl 76

Baseline fetal heart rate characteristics as an indicator of fetal status during the antepartum period. Trierweiler MW, et al. **Am J Obstet Gynecol** 125(5):618–23, 1 Jul 76

Estrogen- and progesterone-induced uterine motility of anestrous goats. Verma OP, et al. **Am J Vet Res** 37(2):233–5, Feb 76

Terbutaline inhibition of midtrimester uterine activity induced by prostaglandin F2alpha and hypertonic saline. Andersson KE, et al. **Br J Obstet Gynaecol** 82(9):745–9, Sep 75

Uterine action after induction of labour with oral prostaglandin E2 tablets compared with intravenous oxytocin. Elder MG. **Br J Obstet Gynaecol** 82(8):674–81, Aug 75

Letter: Uterine hypertonus after induction of labour with prostaglandin E2 tablets. Felmingham JE, et al. **Br Med J** 1(6009):586, 6 Mar 76

Effects of potassium chloride and smooth muscle relaxants on tension and cyclic nucleotide levels in rat myometrium. Diamond J, et al. **Can J Physiol Pharmacol** 53(6):1099–107, Dec 75

Milk-ejecting and uterotonic activities of oxytocin analogues in rats. Barth T, et al. **Endocrinol Exp (Bratisl)** 9(1):35–42, Jan 75

Time-response patterns of isolated rat uterus to neurohypophyseal peptides. Wahrenburg M, et al. **Experientia** 31(9):1062–4, 15 SEP 75

Influence of indomethacin, an inhibitor of prostaglandin synthesis, on IUD-mediated increase in motility and hypertrophy of the rat uterine horn. pp. 477–80. Chaudhuri G.
In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.

The uterine contractility inhibitors and their beneficial effect on the fetus. pp. 211–25. Ruiz-Velasco V, et al.
In: Kuback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.

Prostaglandins and prostaglandin synthetase inhibitors: studies on uterine motility and function. pp. 289–301. Aiken JW.
In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.

Contractile activity of the oviduct and the mesosalpinx isolated from guinea pigs in different phases of the sex cycle. Effects of several pharmacological influences. Gimeno MF, et al. **Int J Fertil** 21(1):31–41, 1976

Enhancement by exogenous estradiol of uterine motility in estrous ewes. Hawk HW. **J Anim Sci** 41(2):572–7, Aug 75

Modification of myometrial activity in vivo by administration of cyclic nucleotides and theophylline to the pregnant rat. Buckle JW, et al. **J Endocrinol** 66(3):339–47, Sep 75

Ketamin in obstetrical anesthesia: Clinical and experimental results. Dick W, et al. **J Perinat Med** 1(4):252–62, 1973

The inhibitory action of diazoxide on uterine activity in the subhuman primate: Placental transfer and effect on the fetus. Morishima HO, et al. **J Perinat Med** 1(1):13–23, 1973

Tocolytic therapy in obstetrics. Mosler KH, et al. **J Perinat Med** 2(1):3–16, 1974 (59 ref.)

Effects of magnesium ion and temperature on the phasic and tonic contractions of the potassium contracture in the pregnant rat myometrium. Osa T. **Jpn J Physiol** 25(6):677–91, 1975

Action of D-600 on spontaneous and electrically stimulated activity of the parturient rat uterus. Reiner O, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(1):21–8, 19 Aug 75

Action of prostaglandin, PGF2alpha, on the uterus of the pregnant rat. Reiner O, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(3):243–50, 16 Mar 76

Effects of terbutaline on human myometrial activity and endometrial blood flow. Akerlund M, et al. **Obstet Gynecol** 47(5):529–35, May 76

Effects of orciprenaline on uterine contractility and maternal heart rate. A quantitative study. Belizan JM, et al. **Obstet Gynecol** 46(4):385–8, Oct 75

Effects of ritodrine hydrochloride on uterine activity and the cardiovascular system in toxemic patients. Miller FC, et al. **Obstet Gynecol** 47(1):50–5, Jan 76

Effects of oxytocin on ionic currents underlying rhythmic activity and contraction in uterine smooth muscle. Mironneau J. **Pfluegers Arch** 363(2):113–8, 12 May 76

Inhibition of uterine motility: the possible role of the prostaglandins and aspirin-like drugs. Williams KI, et al. **Pharmacol Ther [B]** 1(1):89–113, 1975 (367 ref.)

Prostaglandins, indomethacin and dysmenorrhea. Lundström V, et al. **Prostaglandins** 11(5):893–907, May 76

The effect of locally administered PGE2 on the contractility of the nonpregnant human uterus in vivo. Martin JN Jr, et al. **Prostaglandins** 10(2):253–65, Aug 75

The effects of progesterone, prostaglandin F2alpha and oxytocin on the calcium-activation of the uterus. Torok I, et al. **Prostaglandins** 12(2):253–69, Aug 76

Effect of isoproterenol on uptake of calcium-45 by pregnant human and rat myometrium. Hodgson BJ. **Res Commun Chem Pathol Pharmacol** 14(1):141–51, May 76

Proceedings: The effect of chloroquine on excitation contraction coupling in uterine smooth muscle. Chinyanga HM, et al. **West Afr J Pharmacol Drug Res** 2(1):58P, Dec 74

The inhibitory action of chloroquine to guinea pig uterine contractions. Chinyanga HM, et al. **West Afr J Pharmacol Drug Res** 2(1):50–7, Dec 74

[Use of E-aminocaproic acid for blocking uterine contractions in threatened, premature labor and late abortion] Donchev A. **Akush Ginekol (Sofiia)** 14(5):368–71, 1975 (Eng. Abstr.) **(Bul)**

[Depression of uterine contractions with beta-adrenomimetics] Shturkalev I, et al. **Akush Ginekol (Sofiia)** 15(1):69–74, 1976 **(Bul)**

[Tocolysis during labor] Svorc J. **Cesk Gynekol** 41(4):306–8, Jun 76 **(Cze)**

[Possibilities and limitations of uterine contraction inhibiting agents] Eskes TK. **Ned Tijdschr Geneeskd** 120(2):61–7, 10 Jan 76 **(Dut)**

[Electronic surveillance of the physical and biochemical parameters of delivery under general anesthesia with Gamma OH] Lareng L, et al. **Anesth Analg (Paris)** 32(2):201–33, Mar–Apr 75 **(Fre)**

[Inhibitory effect of halothane on the uterus] Planella VL, et al. **Anesth Analg (Paris)** 32(1):53–60, Jan–Feb 75 **(Fre)**

[Ritodrine in risks of premature labor] Erny R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):424–5, 1972 **(Fre)**

[Blockage of uterine contractions during labor. Fetal consequences] Erny R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):310–2, 1972 **(Fre)**

[Limits in prolonged treatments with utero-relaxants of threatened premature labor. Apropos of a series of cases] Gallier J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):430–3, 1972 **(Fre)**

[Threatened premature labor. Account of our recent experience] Serment H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):733–46, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Tocolysis] Weidinger H, et al. **Fortschr Med** 94(16):299–302, 19 Feb 76 **(Ger)**

[Potassium substitutes during tocolysis] Wiest W, et al. **Fortschr Med** 94(16):303–6, 19 Feb 76 (Eng. Abstr.) **(Ger)**

[Current viewpoints on the relaxation of the uterus. An international symposium on the use of betamimetics] Wiest W. **Fortschr Med** 93(27):1262–5, 25 Sep 75 **(Ger)**

[Uterine activity under tocolysis through a beta-sympathomimetic (author's transl)] Warkentin B. **Z Geburtshilfe Perinatol** 180(3):230–3, Jun 76 (Eng. Abstr.) **(Ger)**

[Acute and long-term tocolysis by means of buphenin (Dilatol) in insulin dependent pregnant diabetics] Amendt U, et al. **Zentralbl Gynaekol** 97(26):1607–13, 1975 (Eng. Abstr.) **(Ger)**

[The effect of intravenous oxytocin overdoses on uterine

activity and fetus] Kerekes L, et al. **Orv Hetil** 116(43):2547–9, 26 Oct 75 **(Hun)**

[Possibility of the use of high doses of ritodrine (DU 21220) in acute fetal distress during labor] Branconi F, et al. **Ann Ostet Ginecol Med Perinat** 96(3):170–8, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Glycoactive potential of non-catechol sympathomimetic amine with tocolytic action: ritodrine] Mello G, et al. **Ann Ostet Ginecol Med Perinat** 96(3):165–9, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Action of orciprenaline as an inhibitor of uterine contractions in threatened premature labor. Secondary effects on the maternal cardiovascular system and on the fetal heart rhythm. Clinical contribution] Scarpa F, et al. **Minerva Ginecol** 28(1):69–86, Jan 76 (Eng. Abstr.) **(Ita)**

[Proceedings: Effects of prostaglandin and oxytocin on uterine contraction] Nakagawa H, et al. **Jpn Arch Intern Med** 11(4):197–8, Dec 75 **(Jpn)**

[Effect of F-2 alpha prostaglandin on the induction and development of contractions in rat's myometrium] Kosakowski J, et al. **Ginekol Pol** 46(10):1041–9, Oct 75 (Eng. Abstr.) **(Pol)**

[Administration of Partusisten in imminent premature labor] Dzioba A, et al. **Wiad Lek** 28(15):1275–80, 1 Aug 75 **(Pol)**

[Mechanism of action of prostaglandin F2 alpha and its clinical use in obstetrics] Persianinov LS. **Akush Ginekol (Mosk)** (6):7–15, Jun 75 (Eng. Abstr.) **(Rus)**

[Lynestrenol and its effect on the contractility of the human non pregnant uterus] Romero-Salinas G, et al. **Ginecol Obstet Mex** 38(227):201–10, Sep 75 (Eng. Abstr.) **(Spa)**

[Effects of methyl-ergonovine on the contractility of the human fallopian tube in vivo] Guiloff E, et al. **Rev Chil Obstet Ginecol** 39(5):190–8, 1974 **(Spa)**

[Clinico-hysterographic characteristics of the effects of the preparation NO-ShPA on the contractile function of the uterus in childbirth] Boichuk ED. **Pediatr Akush Ginekol** (6):35–7, Nov–Dec 75 **(Ukr)**

UTERINE DISEASES

Letter: A pregnant uterus protruding through an umbilical hernial sac. Neves e Castro M, et al. **S Afr Med J** 49(43):1774, 11 Oct 75

[2 cases of ossification of the uterine mucosa] Farza B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):404–5, 1972 **(Fre)**

[Uncommon form of vesico-uterine fistula] Sadoul G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):535–42, Jun 76 (Eng. Abstr.) **(Fre)**

[Experimental uterine infection by herpes virus (HSV) type I and type II in mice] Arai S. **Virus (Tokyo)** 24(1):106–7, Apr 74 **(Jpn)**

[Uretero-uterine fistulas] Galka M, et al. **Ginekol Pol** 46(9):989–94, Sep 75 (Eng. Abstr.) **(Pol)**

[Osseous metaplasia of the endometrium] Foxley R, et al. **Rev Chil Obstet Ginecol** 39(4):164–6, 1974 **(Spa)**

CHEMICALLY INDUCED

Letter: Sequential oral contraceptives. Lyon FA. **Fertil Steril** 27(3):346–7, Mar 76

[Vascular fragility of the endometrium under estrogen–progestin treatment. Treatment by disodium flavodate] Sarfati R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(1):87–94, Jan–Feb 73 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Dystocic labor caused by abnormalities of the lower segment] Burger P. **J Gynecol Obstet Biol Reprod (Paris)** 3(5):707–10, Jul–Aug 74 **(Fre)**

[Acute utero-placental insufficiency] Künzel W. **Arch Gynaekol** 219(1–4):370–3, 18 Nov 75 **(Ger)**

[A case of spontaneous rupture of uterine varices during labor, followed by hematoma of the broad ligament] Apostolakis A, et al. **Minerva Ginecol** 28(2):142–4, Feb 76 (Eng. Abstr.) **(Ita)**

[Uterine adhesions and menstrual deficiency. Results of treatment in 21 cases] Valsecchi A, et al. **Minerva Ginecol** 27(9):679–89, Sep 75 **(Ita)**

DIAGNOSIS

Carbon dioxide hysteroscopy. Bartsich E, et al. **Am J Obstet Gynecol** 124(7):746–50, 1 Apr 76

Puerperal inversion of the uterus. Kitchin JD 3d, et al. **Am J Obstet Gynecol** 123(1):51–8, 1 Sep 75

CO2 hysteroscopy: diagnosis and treatment. Lindelmann HJ, et al. **Am J Obstet Gynecol** 124(2):129–33, 15 Jan 76

Pathologic uterine torsion: A catastrophic event in late pregnancy. Smith CA. **Am J Obstet Gynecol** 123(1):32–3, 1 Sep 75

Unusual presentation of hydatid disease. Emamy H, et al. **Am J Surg** 132(3):403–5, Sep 76

Ultrasound findings in segmental uterine distension. Fisch AE, et al. **J Clin Ultrasound** 4(3):209–11, Jun 76

Outpatient diagnostic aspiration curettage. Webb MJ, et al. **Obstet Gynecol** 47(2):239–42, Feb 76

Hysteroscopy. Craft I. **Proc R Soc Med** 69(2):144, Feb 76

[Hysteroscopy in gynecological practice] Králová A. **Cesk Gynekol** 40(6):467–9, Jul 75 **(Cze)**

[Vesico-uterine fistulae] Baumel H, et al. **J Chir (Paris)** 110(4):307–16, Oct 75 (Eng. Abstr.) **(Fre)**

[Contact hysteroscopy] Parent B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(4):511–20, Jun 74 (Eng. Abstr.) **(Fre)**

[Recent progress in hysteroscopy] Porto R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):406–8, 1972 **(Fre)**

[Comparative results of CO2-hysteroscopy, hysterosalipingography and histology] Mohr J, et al. **Arch Gynaekol** 219(1–4):256–7, 18 Nov 75 **(Ger)**

[Biopsy of the endometrium as an office procedure] Heckmann U. **Med Welt** 26(24):1172–4, 13 Jun 75 **(Ger)**

[Clinical and radiological aspects of intracavitary uterine synechiae] Uncini, et al. **Riv Ital Ginecol** 56(1):3–30, Jan 75 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Anti-inflammatory and analgesic activity of 2,4-diphenyl-thiazol-5-hylacetic acid (Norvedan) in patients suffering from adnexal, uterine and utero-adnexal inflammations] Morandi C. **Arch Ostet Ginecol** 77(5):381–90, Sep–Oct 72 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Rectouterine fistula associated with the Cu-7 intrauterine contraceptive device. Patchell RD. **Am J Obstet Gynecol** 126(2):292–3, 15Sep 76

A syndrome of recurrent intrauterine adhesions. Polishuk WZ, et al. **Am J Obstet Gynecol** 123(2):151–8, 15 Sep 75

Intravaginal and intrauterine refluxing of urine in children; intravaginal refluxing of urine in women: some postulates arising from these findings. Beale G. **Australas Radiol** 19(2):194–8, Jun 75

Lipogranuloma of the uterine parametrium. Ghosh A. **Br J Obstet Gynaecol** 83(5):409–10, May 76

Inversion of the uterus associated with a mesodermal mixed tumour in a young female. Attapattu JA. **Ceylon Med J** 20(4):241–6, Dec 75

Microbial migration in the thread attached to an IUD as a possible factor in infectious complications. pp. 411–5. Tatum HJ, et al. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.**

Puerperal endometritis and intrauterine adhesions. Polishuk WZ, et al. **Int Surg** 60(8):418–20, Aug 75

Letter: Infective complications of the iud. Hill AM. **Med J Aust** 2(25–26):962, 20–27 Dec 75

[Chylometrorrhea. Clinical manifestation of primary chyle reflux] Dellamonica P, et al. **Nouv Presse Med** 4(44):3129–31, 20 Dec 75 **(Fre)**

[Ureter-uterus fistula after abortion] Hardt W, et al. **Z Urol Nephrol** 68(10):761–4, Oct 75 **(Ger)**

[Data on the etiology of juvenile metropathy] Borsos A, et al. **Orv Hetil** 117(22):1329–30, 30 May 76 **(Hun)**

[Vaginal epithelium, endometrium and IUD] pp. 377–93. Cianci S, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973.** **(Ita)**

[Suppurative inflammation and necrosis of a uterine surgical wound following cesarean section] Ryć K, et al. **Ginekol Pol** 47(5):549–52, May 76 (Eng. Abstr.) **(Pol)**

[External uterine fistula developing after cesarean section] Jaworski E, et al. **Pol Tyg Lek** 31(29):1257–8, 19 Jul 76 (Eng. Abstr.) **(Pol)**

[Puerperal inversion of the uterus following 2 successful deliveries in the same woman] Bocev J. **Med Pregl** 29(7–8):369–71, 1976 (Eng. Abstr.) **(Ser)**

IMMUNOLOGY

[Agglutinators and their role in infectious pathology of the mother and newborn infant] Reznikov IuP, et al. **Akush Ginekol (Mosk)** (2):30–2, Feb 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Studies in the involvement of prostaglandins in uterine symptomatology and pathology. Willman EA, et al. **Br J Obstet Gynaecol** 83(5):337–41, May 76

The effect of enzymes upon metabolism, storage, and release of carbohydrates in normal and abnormal endometria. Hughes EC. **Cancer** 38(1 SUPPL):487–502, Jul 76

PATHOLOGY

Giant-cell arteritis of the uterus. Report of two cases. Pirozynski WJ. **Am J Clin Pathol** 65(3):308–13, Mar 76

Isolated coccidioidomycosis of the uterus. Hart WR, et al. **Hum Pathol** 7(2):235–9, Mar 76

[Morphologic changes in the superior region of the sex organs of rats following intrauterine inoculation with Trichomonas vaginalis] Stoilov L, et al. **Akush Ginekol (Sofiia)** 13(6):471–8, 1974 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

Periuterine and systemic hypoxia leading to initiation of labor. pp. 197–210. Vasicka A. **In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.**

RADIOGRAPHY

Space occupying lesions of the uterus at hysterography. Kendall-Smith IM. **Australas Radiol** 19(4):338–43, Dec 75

The incidence and clinical importance of hysterographic evidence of cavities in the uterine wall. Slezak P, et al. **Radiology** 118(3):581–6, Mar 76

SURGERY

[Bimanual intra-uterine surgery] Chmelík V. **Cesk Gynekol** 40(9):667–9, Nov 75 **(Cze)**

[Letter: Chronic inversion of the uterus] Kamar R. **Ann Soc Belg Med Trop** 54(6):519–21, 1974 **(Fre)**

[Masters-Allen syndrome with uterine disinsertion. Functional evaluation of ligamental lesions and surgical indications] Soutoul JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(1):13–30, Jan–Feb 74 (Eng. Abstr.) **(Fre)**

[Bladder stones as a complication of gynecologic surgery] Litschgi MS, et al. **Fortschr Med** 93(32):1627–8, 13 Nov 75 **(Ger)**

[Treatment of abdominoparietal-genital fistulas] Krasnopol'skiĭ VI, et al. **Akush Ginekol (Mosk)** (8):31–3, Aug 75 (Eng. Abstr.) **(Rus)**

[Dittel's operation in treatment of certain forms of urogenital fistula in women] Nazarian AA. **Zh Eksp Klin Med** 15(3):101–6, 1975 **(Rus)**

[Hysterocolpectomy: personal experience in No.68 clinical hospital of the Mexican Social Service] Larios Mendoza H, et al. **Ginecol Obstet Mex** 38(225):45–53, Jul 75 (Eng. Abstr.) **(Spa)**

[Vaginal hysterectomy. Errors in management] Zarco Díaz D, et al. **Ginecol Obstet Mex** 37(224):375–81, Jun 75 (Eng. Abstr.) **(Spa)**

THERAPY

[Case of massive transfusion of blood of different group] Khan MP. **Probl Gematol Pereliv Krovi** 20(4):45–6, Apr 75 **(Rus)**

VETERINARY

Diagnosis of uterine torsion in a mare and correction by standing flank laparotomy. Jones RD. **Can Vet J** 17(4):111–3, Apr 76

Bovine intrauterine therapy. Oxender WD, et al. **J Am Vet Med Assoc** 168(3):217–9, 1 Feb 76 (9 ref.)

Selected pathological changes of the mare uterus and ovary. Kenney RM, et al. **J Reprod Fertil [Suppl]** (23):335–9, Oct 75

Endometrial biopsy as a guide to diagnosis of endometrial pathology in the mare. Ricketts SW. **J Reprod Fertil [Suppl]** (23):341-5, Oct 75

Radiographic interpretation: The uterus. McNeel SV, et al. **Mod Vet Pract** 56(9):637–41, Sep 75

A rare case of maduromycosis of the equine uterus. Reid MM, et al. **Vet Med Small Anim Clin** 71(7):947–9, Jul 76

[Intrauterine infection of mice with ectromelia virus] Schwanzer V, et al. **Z Versuchstierkd** 17(2):110–20, 1975 (Eng. Abstr.) **(Ger)**

[Treatment of metritis and endometritis in cows] Miuĭrsepp IIa, et al. **Veterinariia** (11):62–4, Nov 75 **(Rus)**

UTERINE HEMORRHAGE

Antepartum hemorrhage. Sutthiwan I. **J Med Assoc Thai** 59(5):200–7, May 76

Perinatal mortality in antepartum haemorrhage. Joshi M, et al. **J Postgrad Med** 21(4):168–72, Oct 75

Oligomenorrhea and secondary amenorrhea in the adolescent. Wentz AC. **Med Clin North Am** 59(6):1385–94, Nov 75

Abnormal uterine bleeding. Wentz AC. **Primary Care** 3(1):9–22, Mar 76

[Current contribution of the study of hemostasis during hemorrhagic complications in obstetrical pratice. Schematic conception with glossary] Boisseau MR. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):745–62, Sep 73 **(Fre)**

[Coagulation disorders .n gynecology and obstetrics. 3. Gynecologic and obstetrical states accompanying coagulation disorders] Hendeles SM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):291–306, Mar 74 (79 ref.) (Eng. Abstr.) **(Fre)**

[Acyclic uterine hemorrhage] Stamm H. **Ther Ggw** 114(7):1070–2, 1075–8, Jul 75 **(Ger)**

[Acute hemorrhage from the female genitals] Helbing W. **Z Aerztl Fortbild (Jena)** 69(8):416–7, 15 Apr 75 **(Ger)**

[Hormonal and clinical parallels in dysfunctional uterine hemorrhage in the pubertal period] Alagezian DS. **Vopr Okhr Materin Det** 20(8):89–90, Aug 75 **(Rus)**

BLOOD

Human placental lactogen levels in the serum during early pregnancy. Dudenhausen R, et al. **J Perinat Med** 2(2):93–100, 1974

COMPLICATIONS

Early childhood psychosis and bleeding during pregnancy. A prospective study of gravid women and their offspring. Torrey EF, et al. **J Autism Child Schizo** 5(4):287–97, Dec 75

[Bleeding in pregnancy (author's transl)] Kliment V, et al.

Cesk Gynekol 41(2):76–7, Apr 76 (Slo)

DIAGNOSIS

Evaluation of abnormal vaginal bleeding with the Gravlee jet Washer. Erozan YS, et al. Gynecol Oncol 3(4):289–97, Dec 75

Letter: Abnormal menstrual bleeding. Krause DA. JAMA 234(10):1019, 8 Dec 75

[Proceedings: Hemorrhage in early pregnancy] Knörr K. Arch Gynaekol 219(1–4):261, 18 Nov 75 (Ger)

[The diagnosis of corpus carcinoma (Differentialdiagnostic importance of history- and clinical criteria in post-menopausal hemorrhage) (author's transl)] Schrage R, et al. Geburtshilfe Frauenheilkd 36(2):114–21, Feb 76 (Eng. Abstr.) (Ger)

DRUG THERAPY

Antifibrinolytics gynaecology and obstetrics. Koutský J, et al. Acta Univ Carol [Med] (Praha) 21(5–6):235–386, 1975 (365 ref.)

[The use of aprotinin in hypotonic uterine bleeding (author's transl)] Koutský J, et al. Cesk Gynekol 41(2):84–6, Apr 76 (Cze)

[Treatment of dysfunctional uterine hemorrhage with synthetic progestins] Manuilova IA, et al. Akush Ginekol (Mosk) (10):32–4, Oct 75 (Eng. Abstr.) (Rus)

[Results of treatment of patients with dysfunctional uterine hemorrhages with different types of synthetic progestins] Sotnikova EI. Sov Med (6):31–5, Jun 75 (Eng. Abstr.) (Rus)

[Ether treatment of the uterine cervix for the purpose of hemostasis in juvenile hemorrhages] Bogdanova AE, et al. Vopr Okhr Materin Det 20(12):64–7, Dec 75 (Eng. Abstr.) (Rus)

ETIOLOGY

Recurrent bleeding from the lower segment scar—a late complication of Caesarean section. Stewart KS, et al. Br J Obstet Gynaecol 82(8):682–6, Aug 75

The incidence and pattern of dysfunctional uterine haemorrhage amongst Ceylonese women. (a study of 72 cases). Herath HP, et al. Ceylon Med J 20(4):214–9, Dec 75

Metastatic melanoma presenting as abnormal uterine bleeding: A case report. Jaffrey IS, et al. Mt Sinai J Med NY 43(2):180–1, Mar–Apr 76

The diagnosis and management of accidental haemorrhage with associated coagulopathy. Sher G. S Afr Med J 49(34):1383–6, 9 Aug 75

[Probable participation of certain elements of the natural radioactive background in the etiopathogenesis of climacteric hemorrhagic metropathy] Bakurdzhiev D, et al. Akush Ginekol (Sofiia) 15(1):52–6, 1976 (Eng. Abstr.) (Bul)

[Endometrial histology studied in women bleeding with IUD in situ] Nesit V, et al. Cesk Gynekol 40(6):427–31, Jul 75 (Eng. Abstr.) (Cze)

[Possible etiological factors of bleedings in early pregnancy] Netter P, et al. Arch Gynaekol 219(1–4):262–3, 18 Nov 75 (Ger)

[Postmenopausal bleeding (author's transl)] Samartzis S, et al. Geburtshilfe Frauenheilkd 36(4):326–33, Apr 76 (Eng. Abstr.) (Ger)

[Leukorrhea and genital hemorrhages in children] Minucci D, et al. Riv Ital Ginecol 56(2):87–93, Mar 75 (Eng. Abstr.) (Ita)

[A rare case of uterine hemorrhage from a dilatated varicose vein] Baulin VA, et al. Akush Ginekol (Mosk) (2):72, Feb 75 (Rus)

[Menstruation disorders and abnormal uterine hemorrhage in uterine fibromyoma] Nava y Sánchez RM. Ginecol Obstet Mex 39(233):197–216, Mar 76 (Eng. Abstr.) (Spa)

IMMUNOLOGY

[Changes in the indicators of immunologic reactivity in patients with juvenile uterine hemorrhages in different methods of therapy] Poliak SSh. Akush Ginekol (Mosk) (10):29–31, Oct 75 (Eng. Abstr.) (Rus)

OCCURRENCE

[The occurrence and frequency of pathological corpus luteum and follicular hemorrhage] Kváz D, et al. Zentralbl Gynaekol 97(16):1008–11, 1975 (Eng. Abstr.) (Ger)

[Significance of hemorrhage in early pregnancy from the viewpoint of labor prognosis] Balogh B. Orv Hetil 117(17):1029–33, 25 Apr 76 (Hun)

[Women's age and gynecologic bleeding] Gizicki Z. Folia Med Cracov 17(3):345–52, 1975 (Pol)

PATHOLOGY

[Histological pattern of the endometrium in cases of uterine bleedings of unclear etiology] Salwa M. Wiad Lek 28(23):1907–10, 1 Dec 75 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

Ergometrine, oxytocin and extradural analgesia. Moodie JE, et al. Br J Anaesth 48(6):571–4, Jun 76

Internal iliac artery (hypogastric) ligation for control of obstetric and gynecologic hemorrhage. Pelosi MA, et al. J Med Soc NJ 73(4):297–300, Apr 76

[Prevention and treatment of bleeding during delivery (author's transl)] Křikal Z, et al. Cesk Gynekol 41(2):77–9, Apr 76 (Cze)

[Hormone therapy for the aging woman] Ledermair VO. Wien Med Wochenschr 125(25–27):383–5, 20 Jun 75 (Ger)

RADIOTHERAPY

Late effects of x irradiation in patients treated for metropathia haemorrhagica. Smith PG, et al. Br J Radiol 49(579):224–32, Mar 76

[Radiotherapy in recurrent non-neoplastic uterine hemorrhages] Pokotinskiĭ IS. Med Radiol (Mosk) 21(1):11–6, Jan 76 (Eng. Abstr.) (Rus)

THERAPY

Selective arterial embolization for control of hemorrhage in pelvic malignancy: femoral and brachial catheter approaches. Miller FJ Jr, et al. Am J Roentgenol 126(5):1028–32, May 76

Antepartum hemorrhage and shock. Abdul-Karim RW, et al. Clin Obstet Gynecol 19(3):533–59, Sep 76

Angiographic control of pelvic bleeding from treated carcinoma of the cervix. Athanasoulis CA, et al. Gynecol Oncol 4(2):144–50, Jun 76

[How to improve health care of women with dysfunctional haemorrhage (author's transl)] Heczko P, et al. Cesk Gynekol 40(8):567–8, Sep 75 (Cze)

[Complex treatment of dysfunctional uterine hemorrhages under ambulatory conditions] Anisimova MI, et al. Akush Ginekol (Mosk) (10):34–8, Oct 75 (Eng. Abstr.) (Rus)

[Resuscitation and intensive treatment in hemorrhage connected with obstetric pathology] Negovskiĭ VA, et al. Akush Ginekol (Mosk) (9):67–71, Sep 75 (Rus)

URINE

Urinary oestriol measurement in the management of antepartum haemorrhage. Muir KC. Br J Obstet Gynaecol 83(6):425–9, Jun 76

[Examination of urinary estrogens in the women with uterine myoma, cervical and ovarian carcinomas as compared with those found in the women with functional bleedings during climacterium (author's transl)] Grudzień M. Ann Univ Mariae Curie Sklodowska [Med] 30:175–9, 1975 (Eng. Abstr.) (Pol)

UTERINE INERTIA

DRUG THERAPY

[State of the sympathico-adrenal and kinin systems after treatment of primary uterine inertia with prostaglandin F2 alpha] Persianinov LS, et al. Sov Med (6):15–20, Jun 75 (Eng. Abstr.) (Rus)

ETIOLOGY

[Pregnancy and labor in patients with disorders of adrenal function] Barkhatova TP. Akush Ginekol (Mosk) (7):68–71, Jul 75 (Rus)

[Pathogenesis of atonic labor] Mikhaĭlenka ET. Pediatr Akush Ginekol (1):33–8, Jan–Feb 75 (Ukr)

METABOLISM

[Certain indicators of the processes of tissue metabolism in newborn infants and parturients with uterine inertia] Sadauskas VM, et al. Vopr Okhr Materin Det 19(3):72–5, Mar 74 (Eng. Abstr.) (Rus)

[Oxygen tension in the uterine muscle and mitochondrial respiratory function in normal and inertia-complicated labor] Chan-Ti-Shan VV. Pediatr Akush Ginekol (3):36–9, May-Jun 75 (Ukr)

PHYSIOPATHOLOGY

[Hysterotonometry in normal pregnancy, late pregnancy toxemias, and normal and pathologic labor] Molzhaninov EV, et al. Akush Ginekol (Mosk) (9):37–40, Sep 75 (Eng. Abstr.) (Rus)

[Characteristics of functional state of the uterus in parturients after physiological labor and that complicated by uterine inertia] Persianinov LS, et al. Vopr Okhr Materin Det 20(12):50–4, Dec 75 (Eng. Abstr.) (Rus)

[Hyperdynamia of the labor pains as one of the manifestations of a compensatory reaction of uterine contractile function in uterine inertia] Karash IuM. Pediatr Akush Ginekol (2):41–4, Mar-Apr 76 (Ukr)

UTERINE NEOPLASMS

Metastatic adenocarcinoma of the uterus associated with primary gastric cancer. Miyamoto U, et al. Acta Obstet Gynaecol Jpn 22(2):90–3, Apr 75

Endometrial and tubal involvement by squamous carcinoma of the cervix. Quizilbash AH, et al. Am J Clin Pathol 64(5):668–71, Nov 75

Letter: Reduction of model for the spread of cancer in the uterus; arbitrary specific growth rate. Swan GW. Bull Math Biol 38(2):205–7, 1976

Studies on trophoblastic neoplasia. pp. 203–16. Ishizuka N. In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Primary multicentric triple malignancy of the female genital tract. Tözüm R, et al. Int Surg 60(10):549–51, Oct 75

Pituitary-thyroid function in trophoblastic disease. Miyai K, et al. J Clin Endocrinol Metab 42(2):254–9, Feb 76

Carcinoma of the body of the uterus. Williamson J. Nurs Times 72(21):822–3, 27 May 76

Choriocarcinoma and gestational trophoblastic disease. West J Med 124(3):219–25, Mar 76

[Chorionepithelioma (author's transl)] Skřivan J, et al. Cesk Gynekol 41(4):270–3, Jun 76 (Cze)

[Anuria and nephretic colics revealing ureteral metastasis from uterine cancer] Patoir G, et al. J Urol Nephrol (Paris) 81(1–2):149–54, Jan–Feb 75 (Fre)

[Trophoblastic disease—clinical problems. Symposion by invitation (author's transl)] Holzmann K. Geburtshilfe Frauenheilkd 35(9):661–87, Sep 75 (Ger)

[Brain metastases of malignant chorioepithelioma] Meese VW, et al. Zentralbl Neurochir 36(2):93–9, 1975 (Eng. Abstr.) (Ger)

[A personal case of intracavitary fibroleiomyoma] Giordano G, et al. Minerva Ginecol 28(2):150–3, Feb 76 (Eng. Abstr.) (Ita)

[Headache, vomiting and alternate hemiplegia: malignant chorioepithelioma in a woman at the menopausal age] Itahara K, et al. Jpn J Clin Med Spec No:820–1, 1214–7, 10 Apr 75 (Jpn)

[Cognition and speech disorders, right hemiplegia and melena: malignant chorioepithelioma] Kitamura Y, et al. Jpn J Clin Med Spec No:822–3, 1218–21, 10 Apr 75 (Jpn)

[Labor in uterine fibromyoma] Stukov VA. Akush Ginekol (Mosk) (2):62–4, Feb 75 (Rus)

[The effect of extracts from Fallopian tube tissues, uterine fibromas and uterine adenocarcinomas on the growth and capacity for cell division of a human cell line] Kochergina NI. Tsitologiia 18(1):106–9, Jan 76 (Eng. Abstr.) (Rus)

[Hemangiopericytoma of the uterus (case report)] Egorov VP, et al. Vopr Onkol 22(2):98–101, 1976 (Rus)

[Anatomopathological and etiopathogenic aspects of uterine fibroma] Nava Sánchez R, et al. Ginecol Obstet Mex 38(225):55–66, Jul 75 (Eng. Abstr.) (Spa)

[Fibromyoma and ovulation] Nava y Sánchez RM, et al. Ginecol Obstet Mex 38(227):211–24, Sep 75 (Eng. Abstr.) (Spa)

[Delivery and cervico-uterine intraepithelial carcinoma] Torres Ramírez A, et al. Ginecol Obstet Mex 38(229):375–84, Nov 75 (Eng. Abstr.) (Spa)

[Sarcoma of the parametrium] Zarets'kyĭ PA. Pediatr Akush Ginekol (5):61–2, 1975 (Ukr)

ANALYSIS

[Relative concentration of deoxyribonucleic acid in the experimental deciduoma and the blastocyst of female rats: cytophotometric study] Dupont H, et al. Bull Assoc Anat (Nancy) 59(166):621–30, Sep 75 (Eng. Abstr.) (Fre)

[Content of sex chromatin in patients with myoma of the uterus] Alekhin SK, et al. Akush Ginekol (Mosk) (12):33–6, Dec 75 (Eng. Abstr.) (Rus)

[Importance of biochemical analysis of tissue RNA in certain gynecologic diseases] Savel'eva GM, et al. Sov Med (6):40–3, Jun 75 (Eng. Abstr.) (Rus)

[Use of infrared and ultraviolet absorption spectra in the analysis of mixtures in polysaccharide complexes from the tissues of metastases from chorioepithelioma of the uterus] Le-Van-Dien, et al. Vopr Onkol 21(4):16–8, 1975 (Eng. Abstr.) (Rus)

BLOOD

Evaluation of serum progesterone during treatment of malignant trophoblastic disease. Dawood MY. Am J Obstet Gynecol 123(3):291–8, 1 Oct 75

Serum 17 beta-estradiol and estrone levels in postmenopausal women with and without endometrial cancer. Judd HL, et al. J Clin Endocrinol Metab 43(2):272–8, Aug 76

Serum testosterone and dihydrotestosterone in patients with trophoblastic disease. Dawood MY, et al. Obstet Gynecol 47(6):684–8, Jun 76

[Immunoautoradiographic determination of beta-1 gamma globulin in the blood serum of patients with trophoblastic tumors] Tatarinov IuS, et al. Biull Eksp Biol Med 80(9):86–9, Sep 75 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Blood flow in myomatous uteri as measured by intra-arterial 133Xenon. Forssman L. Acta Obstet Gynecol Scand 55(1):21–4, 1976

Distribution of blood flow in myomatous uteri as measured by locally injected 133Xenon. Forssman L. Acta Obstet Gynecol Scand 55(2):101–4, 1976

[Regional blood circulation in patients with endometriosis during treatment with synthetic progestins] Serov VN, et al. Akush Ginekol (Mosk) (10):41–5, Oct 75 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

The development of adenocarcinoma of the endometrium in young women receiving long-term sequential oral contraception. Lyon FA. Am J Obstet Gynecol

123(3):299–301, 1 Oct 75
Association of estrone with the development of endometrial carcinoma. Ziel HK, et al. **Am J Obstet Gynecol** 124(7):735–40, 1 Apr 76
Editorial: Cancer risks from hormone treatment. **Br Med J** 4(5997):608, 13 Dec 75
Editorial: Oestrogens as a cause of endometrial carcinoma. **Br Med J** 1(6013):791–2, 3 Apr 76
Letter: Oestrogens as a cause of endometrial carcinoma. **Br Med J** 1(6018):1144–5, 8 May 76
Letter: Oestrogens as a cause of endometrial carcinoma. Cooke ID. **Br Med J** 1(6019):1209–10, 15 May 76
Letter: Oestrogens as a cause of endometrial carcinoma. Corcoran R, et al. **Br Med J** 1(6020):1276–7, 22 May 76
Letter: Oestrogens as a cause of endometrial carcinoma. Oakey RE, et al. **Br Med J** 1(6017):1071, 1 May 76
Letter: Sequential oral contraceptives. Lyon FA. **Fertil Steril** 27(3):346–7, Mar 76
Effect of castration, estrogen, and timed progestins on induced endometrial carcinoma in the rabbit. Griffiths CT, et al. **Gynecol Oncol** 3(4):259–75, Dec 75
Progesterone. pp. 135–46.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (35 ref.)
Ethinyloestradiol. pp. 77–85.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (8 ref.)
Oestradiol–17beta. pp. 99–115.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (39 ref.)
Testosterone. pp. 209–17.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (17 ref.)
Diethylstilboestrol (stilboestrol). pp. 55–76.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (68 ref.)
Severe atypical endometrial changes and sequential contraceptive use. Kaufman RH, et al. **JAMA** 236(8):923–6, 23 Aug 76
Estrogens and menopause. Proudfit CM. **JAMA** 236(8):939–40, 23 Aug 76
Letter: Endometrial carcinoma and oestrogen therapy for breast cancer. Corcoran R, et al. **Lancet** 1(7969):1137–8, 22 May 76
Cancer of the uterine corpus after hormonal treatment for breast cancer. Hoover R, et al. **Lancet** 1(7965):885–7, 24 Apr 76
Endometrial carcinoma in Turner's syndrome following prolonged treatment with diethylstilbestrol. Sirota DK, et al. **Mt Sinai J Med NY** 42(6):596–90, Nov–Dec 75
Letter: Estrogens and endometrial carcinoma. **N Engl J Med** 294(15):847–8, 8 Apr 76
Estrogens and endometrial cancer in a retirement community. Mack TM, et al. **N Engl J Med** 294(23):1262–7, 3 Jun 76
Editorial: Cancer risk and estrogen use in the menopause. Ryan KJ. **N Engl J Med** 293(23):1199–200, 4 Dec 75
Association of exogenous estrogen and endometrial carcinoma. Smith DC, et al. **N Engl J Med** 293(23):1164–7, 4 Dec 75
Editorial: Risks and benefits of estrogen use. Weiss NS. **N Engl J Med** 293(23):1200–2, 4 Dec 75
Increased risk of endometrial carcinoma among users of conjugated estrogens. Ziel HK, et al. **N Engl J Med** 293(23):1167–70, 4 Dec 75
Adenocarcinoma of the endometrium in women taking sequential oral contraceptives. Kelley HW, et al. **Obstet Gynecol** 47(2):202–2, Feb 76
Endometrial abnormalities occurring in young women on long–term sequential oral contraception. Lyon FA, et al. **Obstet Gynecol** 47(6):639–43, Jun 76
Exogenous estrogens and endometrial cancer. Gordan GS, et al. **Postgrad Med** 59(6):66–77, Jun 76 (51 ref.)
Editorial: Exogenous estrogens and endometrial cancer. Lilienfeld AM. **Postgrad Med** 59(6):61–2, Jun 76
[The use of estrogen preparations after the menopause and the risk of endometrial carcinoma] de Waard F. **Ned Tijdschr Geneeskd** 120(29):1263–5, 17 Jul 76 **(Dut)**
[Oral contraception and cancers of the uterus and the breast] Vokaer R. **J Gynecol Obstet Biol Reprod (Paris)** 3(3):379–400, Apr–Mau 74 (Eng. Abstr.) **(Fre)**
[Editorial: Estrogen intake and cancer of the corpus uteri] Bergsjo P. **Tidsskr Nor Laegeforen** 96(15):862–3, 30 May 76 **(Nor)**
[From the Adverse Drug Reaction Committee. Can long–term estrogen treatment induce uterine neoplasms in post–climacteric women?] Setekleiv J, et al. **Tidsskr Nor Laegeforen** 96(9–10):594–5, 30 Mar 76 **(Nor)**
[Hysteria and drug adverse effects] Ingelman–Sunberg A. **Lakartidningen** 73(4):202–3, 21 Jan 76 **(Swe)**
[Editorial: Estrogen therapy and cancer of the corpus uteri] Johansson E, et al. **Lakartidningen** 72(51):5053–4, 17 Dec 75 **(Swe)**

COMPLICATIONS

Endometrial adenocarcinoma and the polycystic ovary syndrome. Wood GP, et al. **Am J Obstet Gynecol** 124(2):140–2, 15 Jan 76
Tetanus in a patient with a uterine tumor. Coulson AS, et al. **Am Surg** 42(3):215–8, Mar 76
Choriocarcinoma with hyperthyroidism: probable identity of the thyrotropin with human chorionic gonadotropin. Cave WT Jr, et al. **Ann Intern Med** 85(1):60–3, Jul 76
Acquired hypertrichosis languiginosa. Report of two new cases and a review of the literature. Samson MK, et al. **Cancer** 36(4):1519–21, Oct 75
Inversion of the uterus associated with a mesodermal mixed tumour in a young female. Attapattu JA. **Ceylon Med J** 20(4):241–6, Dec 75
Unilateral renal agenesis associated with malignancy. Lagundoye SB, et al. **East Afr Med J** 52(4):176–82, Apr 75
Primary transitional cell carcinoma of the fallopian tube associated with primary carcinomas of the ovary and endometrium. Hovadhanakul P, et al. **Gynecol Oncol** 4(2):138–43, Jun 76
The relationship of functioning ovarian tumours to endometrial carcinoma. p. 255. Rainer S, et al.
In: de Watteville H, et al., ed. Diagnosis and treatment of ovarian neoplastic alterations. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.364 1974.
Letter: Massive fetomaternal hemorrhage due to choriocarcinoma of the uterus. Blackburn GK. **J Pediatr** 89(4):680–1, Oct 76
Uterine fibroid: an unusual cause of recurrent haemorrhagic pleural effusion. Gianoutsos P, et al. **Med J Aust** 2(15):600–2, 11 Oct 75
Metastatic melanoma presenting as abnormal uterine bleeding: A case report. Jaffrey IS, et al. **Mt Sinai J Med NY** 43(2):180–1, Mar–Apr 76
Suppurating myoma with spontaneous drainage through abdominal wall. Weiss G, et al. **NY State J Med** 76(4):572–3, Apr 76
The relation of adenomyosis uteri to coexistent endometrial carcinoma and endometrial hyperplasia. Greenwood SM. **Obstet Gynecol** 48(1):68–72, Jul 76
Acquired hypertrichosis lanuginosa associated with endometrial malignancy. Kaiser IH, et al. **Obstet Gynecol** 47(4):479–82, Apr 76
Schistosomiasis of the uterus in association with uterine fibroids. Adeleye JA, et al. **Trop Geogr Med** 27(2):206–8, Jun 75
[Spontaneous ruptura uteri in combination with a chocolate cyst simulating delayed uterine involution] Pekhlivanov K. **Akush Ginekol (Sofiia)** 14(3):237–9, 1975 **(Bul)**
[Calcified fibroma and calculus of the pelvic ureter] Amor MS, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):393–4, 1972 **(Fre)**
[Partial mole in a woman treated with methotrexate for vaginal chorioepithelioma 14 months previously] Boudjemaa S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):387–8, 1972 **(Fre)**
[Sarcoma uteri and neurofibrosarcoma in a case of Recklinghausen's disease] Kubista E, et al. **Zentralbl Gynaekol** 97(22):1398–402, 1975 (Eng. Abstr.) **(Ger)**
[Symptomatic polycythemia in a woman with uterine myomata] Sternadel Z, et al. **Ginekol Pol** 47(2):209–11, Feb 76 (Eng. Abstr.) **(Pol)**
[Primary carcinoma of prolapsed uterus] Cieplak A, et al. **Wiad Lek** 29(13):1211–4, 1 Jul 76 (Eng. Abstr.) **(Pol)**
[Clinical course, diagnosis and treatment of chronic adnexitis in patients with uterine myoma] Vasilevskaia LN, et al. **Akush Ginekol (Mosk)** (5):18–23, May 75 (Eng. Abstr.) **(Rus)**
[Changes in the urinary system in uterine myoma] Perel'man VM. **Sov Med** (7):100–4, Jul 75 (Eng. Abstr.) **(Rus)**
[Sclerocystic ovaries and cancer of the uterine body] Pal'chik DA. **Vopr Onkol** 22(3):29–32, 1976 (Eng. Abstr.) **(Rus)**
[Neoplasms of the uterine cervix and urinary obstruction] Hernández González M. **Gac Med Mex** 110(4):253–7, Oct 75 **(Spa)**
[Menstruation disorders and abnormal uterine hemorrhage in uterine fibromyoma] Nava y Sánchez RM. **Ginecol Obstet Mex** 39(233):197–216, Mar 76 (Eng. Abstr.) **(Spa)**
[Non–puerperal chronic uterine inversion] Silveira Pinheiro L, et al. **Ginecol Obstet Mex** 39(233):223–8, Mar 76 (Eng. Abstr.) **(Spa)**
[Histopathological and clinical correlation of abnormal uterine hemorrages] Martínez D, et al. **Rev Chil Obstet Ginecol** 40(1):22–6, 1975 **(Spa)**

DIAGNOSIS

Atypical endometrial cells and stromal breakdown two case reports. Ehrmann RL. **Acta Cytol (Baltimore)** 19(5):463–9, Sep–Oct 75
Quantitative analysis of radioisotopic angiography in trophoblastic neoplasia. Tojo S, et al. **Acta Obstet Gynecol Scand** 54(4):325–8, 1975
Uterine tumors resembling ovarian sex–cord tumors. A clinicopathologic analysis of fourteen cases. Clement PB, et al. **Am J Clin Pathol** 66(3):512–25, Sep 76
The cytologic diagnosis of endometrial adenocarcinoma. Anderson DG, et al. **Am J Obstet Gynecol** 125(3):376–83, 1 Jun 76
Experience in mass Papanicolaou screening and cytologic observations of teen–age girls. Fields C, et al. **Am J Obstet Gynecol** 124(7):730–4, 1 Apr 76
CO2 hysteroscopy: diagnosis and treatment. Lindelmann HJ, et al. **Am J Obstet Gynecol** 124(2):129–33, 15 Jan 76
Complementary role of sonography and arteriography in management of uterine choriocarcinoma. Levin DC, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):462–8, Oct 75
Screening techniques in endometrial cancer. Creasman WT, et al. **Cancer** 38(1 SUPPL):436–40, Jul 76
Use of diagnostic ultrasound in trophoblastic neoplasms and ovarian tumors. Kobayashi M. **Cancer** 38(1 SUPPL):441–52, Jul 76
Screening for endometrial cancer. Cohen CJ, et al. **Clin Obstet Gynecol** 18(4):27–39, Dec 75 (38 ref.)
Evaluation of abnormal vaginal bleeding with the Gravlee jet Washer. Erozan YS, et al. **Gynecol Oncol** 3(4):289–97, Dec 75
The cytological diagnosis of adenocarcinoma of the female genital tract. Joshi J, et al. **Indian J Cancer** 12(3):268–74, Sep 75
Quantitative fluorescence spectrophotometry of acridine orange–stained unfixed cells. Potential for automated detection of human uterine cancer. Golden JF, et al. **J Histochem Cytochem** 24(1):315–21, Jan 76
Endometrial cancer—is there a good method for early detection? Ehrlich CE. **J Indiana State Med Assoc** 68(12):1022–3, Dec 75
Significance of superficial cells in the vaginal smear of postmenopausal women. Srivannaboon S, et al. **J Med Assoc Thai** 59(3):106–8, Mar 76
Ultrasonic evaluation of uterine fibroids. The sonic shadow sign. Hassani N. **J Natl Med Assoc** 67(4):307–10, Jul 75
Letter: Technetium–99m–HEDP concentration in calcified myoma. Ell PJ, et al. **J Nucl Med** 17(4):323–4, Apr 76
Letter: Sigmoidoscopic and complemental cervical–vaginal examination. Abramson DJ. **JAMA** 235(14):1423, 5 Apr 76
Gravlee jet irrigator. Efficacy in diagnosis of endometrial neoplasia. Twiggs LB, et al. **JAMA** 235(25):2748–50, 21 Jun 76
'We need more than the Pap test'. Gravlee LC Jr. **Med Times** 104(1):108–11, 115, Jan 76
The Gravlee Jet Washer. Rapoport JM, et al. **Nebr Med J** 61(4):119–21, Apr 76
Endometrial cytoloty. Using the Milan–Markley Technic. Milan AR, et al. **Obstet Gynecol** 48(1):111–6, Jul 76
Letter: Nonmetric measurement. Wallach RC. **Obstet Gynecol** 46(3):371, Sep 75
Report on the work carried out by the 'Fede Valletta' Diagnosis and Early Treatment Centre and the Surgical Divison of the Department of Oncology, University of Turin, since their foundation in 1961. Badellino F. **Panminerva Med** 14(3):92, Mar 72
Letter: Hazards of prescribing the contraceptive pill. Combrink PB. **S Afr Med J** 49(55):2250, 27 Dec 75
[Cytological examination of the uterine cervix. I. Conditions for cytological examination] Vooijs GP. **Ned Tijdschr Geneeskd** 119(45):1762–6, 8 Nov 75 (16 ref.) **(Dut)**
[Study of the products of endo–uterine aspiration collected by the gravlee–jet washer method (author's transl)] Lecestre MJ, et al. **Arch Anat Cytol Pathol** 24(2):111–7, 1976 (Eng. Abstr.) **(Fre)**
[Early detection of cancer of the corpus uteri. Valve of intrauterine smears obtained by lavage or brushing of the uterine cavity] Papadimitriou GC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(3):299–302, Apr–May 73 (Eng. Abstr.) **(Fre)**
[Pseudosarcomatous leiomyomas of the uterus. Fusiform cell myomas, plexiform myomas and myomas with nuclear anomalies] Philippe E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):657–70, Jul–Aug 75 (Eng. Abstr.) **(Fre)**
[Recent progress in hysteroscopy] Porto R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):406–8, 1972 **(Fre)**
[Clinical aspects of myomatous uterus in pregnancy] Eckert H, et al. **Arch Gynaekol** 219(1–4):296–8, 18 Nov 75 **(Ger)**
[Diagnostic aspiration curettage] Haller U, et al. **Arch Gynaekol** 219(1–4):72–4, 18 Nov 75 **(Ger)**
[Value of endometrial cytology in the diagnosis of uterine carcinoma. Modified jet–wash technic] Siebert W, et al. **Arch Gynaekol** 219(1–4):71–2, 18 Nov 75 **(Ger)**
[Ultrasonic criteria for evaluation of pregnancy in the myomatous uterus] Stein W, et al. **Arch Gynaekol** 219(1–4):398–9, 18 Nov 75 **(Ger)**
[Estrogen–induced effects as factors in the 5–year survival of uterine carcinoma patients] Walk T, et al. **Arch Gynaekol** 219(1–4):176–7, 18 Nov 75 **(Ger)**
[Cytological investigations of the endometrium using the jet wash technique (author's transl)] Schneider ML. **Dtsch Med Wochenschr** 101(5):153–5, 30 Jan 76 (Eng. Abstr.) **(Ger)**
[Cytological diagnosis of endometrial carcinoma] Soost HJ. **Fortschr Med** 94(16):291–5, 19 Feb 76 (Eng. Abstr.) **(Ger)**
[The diagnosis of corpus carcinoma (Differentialdiagnostic importance of history– and clinical criteria in post–menopausal hemorrhage) (author's transl)] Schrage R, et al. **Geburtshilfe Frauenheilkd** 36(2):114–21, Feb 76 (Eng. Abstr.) **(Ger)**
[Endometrial cyto–histology by PISTOLET–aspiration technic (author's transl)] Wyss R, et al. **Geburtshilfe Frauenheilkd** 35(11):846–53, Nov 75 (Eng. Abstr.) **(Ger)**
[Clinical picture and therapy of endometriosis and stromatosis] Richter K. **Gynaekol Rundsch** 15(2):161–70, 1975 **(Ger)**
[Chorionepithelioma] Zieger G, et al. **Med Welt** 26(47):2151–6, 21 Nov 75 **(Ger)**
[Chorioepithelioma. Report of 2 cases] Kofler E, et al.

Wien Med Wochenschr 125(28–31):444–6, 11 Jul 75 **(Ger)**

[Carcinoid metastases in a uterine myoma] Philipp E, et al. **Zentralbl Gynaekol** 97(8):503–6, 1975 (Eng. Abstr.) **(Ger)**

[New ambulatory method for the early diagnosis of tumors of the uterine body] Fortuna A. **Minerva Ginecol** 27(11):852–7, Nov 75 (Eng. Abstr.) **(Ita)**

[Diagnostic problems in adenocarcinoma of the endometrium in women less than 40 years of age] Faggiano F, et al. **Tumori** 61(5):451–6, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Diagnostic difficulties in chorionepithelioma] Drążkowski H, et al. **Wiad Lek** 29(5):445–7, 1 Mar 76 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in a case of giant myoma located in the ligamentum teres of the uterus] Szybejko J, et al. **Wiad Lek** 29(10):943–5, 15 May 76 (Eng. Abstr.) **(Pol)**

[Study of the endometrial aspirate in patients with uterine fibromyoma] Anfinogenova LV, et al. **Akush Ginekol (Mosk)** (12):24–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of certain methods of diagnosis of cancer and precancerous conditions of the endometrium] Savel'eva GM, et al. **Akush Ginekol (Mosk)** (5):52–5, May 75 (Eng. Abstr.) **(Rus)**

[Serological test for beta 1–G–globulin in the immunodiagnosis of trophoblastic tumors of the uterus] Tatarinov IuS, et al. **Vestn Akad Med Nauk SSSR** (2):44–8, 1976 (Eng. Abstr.) **(Rus)**

[Radioisotopic methods of studying the pelvic lymphatic system in patients with cancer of the cervix and corpus uteri] Ermolenko AA, et al. **Vopr Onkol** 21(10):22–6, 1975 (Eng. Abstr.) **(Rus)**

[Use of the index of heparin–inhibiting properties of the cervical mucus in the diagnosis of uterine neoplasms] Sopotsinskaia EB, et al. **Vopr Onkol** 21(8):94, 1975 **(Rus)**

DRUG THERAPY

The efficacy of melphalan in the combined chemotherapy of malignant trophoblastic disease. Wiqvist N, et al. **Acta Obstet Gynecol Scand** 55(3):275–8, 1976

Dydrogesterone and endometriosis. Johnston WI. **Br J Obstet Gynaecol** 83(1):77–80, Jan 76

Actinomycin D as the primary agent for gestational trophoblastic disease. Osathanondh R, et al. **Cancer** 36(3):863–6, Sep 75

Congenital anomalies among children born of mothers receiving chemotherapy for gestational trophoblastic neoplasms. Ross GT. **Cancer** 37(2 Suppl):1043–7, Feb 76

The treatment of metastatic trophoblastic disease. pp. 217–9. Dinh–Văn–Túng.
In: Hirayama T, ed. Cancer in Asia. Baltimore, Univ Park Press, 1976. W3 GA163 no.18 1976.

Letter: Hydatidiform mole. Dawood MY. **Obstet Gynecol** 47(2):251–2, Feb 76

Methotrexate with citrovorum factor rescue for nonmetastatic gestational trophoblastic neoplasms. Goldstein DP, et al. **Obstet Gynecol** 48(3):321–3, Sep 76

[Our experience with the treatment of chorionepithelioma (author's transl)] Gazárek F, et al. **Cesk Gynekol** 41(4):273–5, Jun 76 **(Cze)**

[Indications for chemotherapy during the course and development of molar pregnancy] Dargent D. **J Gynecol Obstet Biol Reprod (Paris)** 3(7):1087–1107, Oct–Nov 74 (Eng. Abstr.) **(Fre)**

[Progesterone and progestagens in the treatment of endometrial cancers. Apropos of a personal case] Giraud B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(7):1063–74, Oct–Nov 74 (Eng. Abstr.) **(Fre)**

[Birth after a chorionepitheliom with pulmonary metastasis (author's transl)] Fettig O, et al. **Geburtshilfe Frauenheilkd** 36(1):52–6, Jan 76 (Eng. Abstr.) **(Ger)**

[Treatment with high doses of progestational agents in endometrial adenocarcinoma] Goisis M, et al. **Minerva Ginecol** 28(1):87–96, Jan 76 (Eng. Abstr.) **(Ita)**

[Treatment with progestational agents in the advanced phase of carcinoma of the endometrium. Study of 137 patients treated at the 1st division of obstetrics and gynecology of the San Camillo De Lellis Hospital in Rome] Rendina GM, et al. **Minerva Ginecol** 27(12):1026–30, Dec 75 (Eng. Abstr.) **(Ita)**

[MAP in the therapy of adenocarcionoma of the endometrium. Immediate clinical results and general endocrine effects] Ricciardi I, et al. **Minerva Ginecol** 27(9):744–53, Sep 75 (Eng. Abstr.) **(Ita)**

[Chemotherapy of gestational chorionepithelioma] Gasparri F, et al. **Tumori** 61(5):433–9, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Action of progesterone on DNA synthesis in the cancerous endometrium] Prianishnikov VA, et al. **Akush Ginekol (Mosk)** (12):28–30, Dec 75 (Eng. Abstr.) **(Rus)**

[Role of chemotherapy in the treatment of metastatic forms of trophoblastic disease] Semenovskiĭ AV, et al. **Akush Ginekol (Mosk)** (8):51–3, Aug 75 **(Rus)**

[Changes in absorptive–excretory function of the liver under the effect of synthetic gestagens] Shinkareva LF, et al. **Akush Ginekol (Mosk)** (2):21–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Various problems of conservative treatment in uterine fibromyoma] Todortseva S, et al. **Akush Ginekol (Mosk)** (12):37–9, Dec 75 (Eng. Abstr.) **(Rus)**

[A histochemical study of the effect of progesterone on the carbohydrate metabolism enzymes of different morphologic forms of endometrial cancer] Prianishnikov VA, et al. **Arkh Patol** 37(6):19–23, 1975 (Eng. Abstr.) **(Rus)**

[Use of 17–alpha–hydroxprogesterone–capronate in certain malignant tumors] Garin AM, et al. **Klin Med (Mosk)** 52(3):121–3, Mar 74 (Eng. Abstr.) **(Rus)**

[Synthetic progestins in combined treatment of cancer of the uterine body] Iatskovskai NL. **Vopr Onkol** 22(3):25–8, 1976 (Eng. Abstr.) **(Rus)**

[Chemotherapy of trophoblastic disease] Nechaeva ID, et al. **Vopr Onkol** 22(5):85–92, 1976 (Eng. Abstr.) **(Rus)**

[Our experiences with chemotherapy of chorioepithelioma] Popović D, et al. **Med Pregl** 29(3–4):101–5, 1976 (Eng. Abstr.) **(Ser)**

[Clinical study of the domestic antineoplastic antibiotic actinomycin D in chorioepithelioma] Davydenko AO. **Pediatr Akush Ginekol** (5):53–6, 1975 **(Ukr)**

ENZYMOLOGY

Studies on 17 beta–hydroxysteroid dehydrogenase in human endometrium and endometrial carcinoma. III. Partial purification and characterization of the microsomal enzyme. Pollow K, et al. **Acta Endocrinol (Kbh)** 80(2):355–64, Oct 75

Histochemical demonstration of lysosomal hydrolase activity in endometrial mononuclear cells. II. Abnormal endometrium. Baron DA, et al. **Am J Obstet Gynecol** 123(8):797–803, 15 Dec 75

Some properties of human uterine myoma phosphofructokinase. Kwiatkowska J, et al. **Arch Immunol Ther Exp (Warsz)** 23(5):715–23, 1975

Steroid 17alpha–hydroxylase activity in normal and cancerous endometria. Hustin J, et al. **J Clin Endocrinol Metab** 41(2):419–21, Aug 75

Effect of gestagen therapy upon 17beta–hydroxysteroid dehydrogenase in human endometrial adenocarcinoma. Pollow K, et al. **J Endocrinol** 67(1):131–2, Oct 75

On the mitochondrial 17beta–hydroxysteroid dehydrogenase from human endometrium and endometrial carcinoma: characterization and intramitochondrial distribution. Pollow K, et al. **J Steroid Biochem** 7(1):45–50, Jan 76

Partial purification and evidence for heterogeneity of the cytoplasmic 17beta–hydroxysteroid dehydrogenase (17beta–HSD) from normal human endometrium and endometrical carcinoma. Pollow K, et al. **J Steroid Biochem** 7(4):315–20, Apr 76

[Experimental rat deciduoma: histoenzymology] Dupont H, et al. **C R Soc Biol (Paris)** 169(5):1204–9, 1975 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Letter: Herpesvirus and cancer of the uterine cervix. Coleman DV, et al. **Br Med J** 1(6017):1072, 1 May 76

Vascular tumors induced by polyoma virus in pregnant rats. Vandeputte M, et al. **J Natl Cancer Inst** 56(3):517–21, Mar 76

Dietary iodine and risk of breast, endometrial, and ovarian cancer. Stadel BV. **Lancet** 1(7965):890–1, 24 Apr 76

The pathogenesis of endomeerial carcinoma. Neves–e–Castro M. **Med Hypotheses** 1(3):135–8, May–Jun 75

Hydatidiform mole: a vascular congenital anomaly. Reynolds SR. **Obstet Gynecol** 47(2):244–50, Feb 76 (42 ref.)

Association between teen–age obesity and cancer in 56,111 women: all cancers and endometrial carcinoma. Blitzer PH, et al. **Prev Med** 5(1):20–31, Mar 76

Uterine leiomyosarcoma in the rabbit following in situ inoculation of nucleic acid extract from cell cultures infected with herpes simplex viurs type 2 (HSV–2). Nastac E, et al. **Virologie** 26(2):149–50, 1975

[Traumatic deciduoma and delayed nidation in castrated pregnant rat after ACTH injection] Mayer G. **C R Soc Biol (Paris)** 169(5):1194–7, 1975 (Eng. Abstr.) **(Fre)**

[Histological findings in IUD–induced tumors of the rat] Hölzl M, et al. **Arch Gynaekol** 219(1–4):45–6, 18 Nov 75 **(Ger)**

[Endometriosis in the episiotomy–cicatrix] Pavlić Z, et al. **Zentralbl Gynaekol** 97(22):1387–9, 1975 (Eng. Abstr.) **(Ger)**

[Human cancer and herpesviruses. Carcinogenicity of herpes simplex virus] Takahashi M. **Jpn J Clin Med** 34(4):824–9, 1976 **(Jpn)**

[Search for the lowest irradiation dose from literatures on radiation–induced cancer in uterus (author's transl)] Yoshizawa Y, et al. **Nippon Acta Radiol** 35(10):900–7, 25 Oct 75 (Eng. Abstr.) **(Jpn)**

[Smegma praeputii as a cancerogenous factor] Stambolović B. **Srp Arh Celok Lek** 102(12):913–5, Dec 74 **(Ser)**

FAMILIAL & GENETIC

[Glucose–6–phosphate dehydrogenase and X–chromosome activation] Sluzhinskaia ZA, et al. **Tsitol Genet** 10(1):3–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[The origin of Barr–positive and Barr–negative dyshormonal tumors] Voltenko VP. **Vopr Onkol** 21(7):53–8, 1975 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunocytologic losses of isoantigens A, B, and H (O) in the endometrium and brain. Gupta RK. **Am J Clin Pathol** 66(2):390–4, Aug 76

Cellular hypersensitivity in patients with adenomatous hyperplasia and adenocarcinoma of the endometrium. Chen SY, et al. **Am J Obstet Gynecol** 126(3):370–3, 1 Oct 76

The relationship between HLA antibodies and the causal pregnancy in choriocarcinoma. Lawler SD, et al. **Br J Obstet Gynaecol** 83(8):651–5, Aug 76

In vitro lymphocyte response of patients with uterine cancer as related to clinical stage and radiotherapy. Jenkins VK, et al. **Gynecol Oncol** 3(3):191–200, Sep 75

Human pregnancy–specific beta1–globulin and its relation to chorioepithelioma. Tatarinov YS, et al. **Int J Cancer** 17(5):626–32, 15 May 76

The HL–A and ABO antigens in trophoblastic disease. Mittal KK, et al. **Tissue Antigens** 6(2):57–69, Aug 75

[Immunological aspects of trophoblastic tumors] Kietlińska Z. **Ginekol Pol** 47(4):437–45, Apr 76 (33 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

A study of post–treatment fluctuation of human chorionic gonadotropin in trophoblastic tumor. Miura S. **Acta Obstet Gynaecol Jpn** 21(1):1–8, Jan 74

Testosterone metabolism in endometrial cancer. Calanog A, et al. **Am J Obstet Gynecol** 124(1):60–3, 1 Jan 76

The source of estradiol–17beta in trophoblastic neoplasia. Dawood MY. **Am J Obstet Gynecol** 123(3):286–90, 1 Oct 75

Progesterone binding in human endometrial carcinomas. Young PC, et al. **Am J Obstet Gynecol** 125(3):353–60, 1 Jun 76

Estrogen–binding parameters of cytoplasmic and nuclear receptors in an established rat endometrial cell line and tumor. Farookhi R, et al. **Endocr Res Commun** 3(1):1–19, 1976

Progesterone metabolism in normal human endometrium during the menstrual cycle and in endometrial carcinoma. Pollow K, et al. **J Clin Endocrinol Metab** 41(4):729–37, Oct 75

Hormone dependence of human endometrial carcinoma: conversion of 20alpha–hydroxy–4–pregnen–3–one to progesterone by endometrial carcinoma in vitro. Nakahara K, et al. **J Endocrinol** 70(1):153–4, Jul 76

Immunofluorescent localisation of human pregnancy–specific beta–globulin in placenta and chorioepithelioma. Tatarinov YS, et al. **Nature** 260(5548):262–3, 18 Mar 76

Letter: Fibrinolytic activity in the endometrial adenocarcinoma. Parrilla JJ, et al. **Thromb Diath Haemorrh** 34(3):864–6, 15 Dec 75

[Duration and generation time of DNA replication in ovarian and endometrial carcinomas. Autoradiographic studies] Brachetti AK, et al. **Med Welt** 26(24):1184–7, 13 Jun 75 **(Ger)**

[Glycogen level in endometrial cancer] Prianishnikov VA, et al. **Vopr Onkol** 22(1):32–6, 1976 (Eng. Abstr.) **(Rus)**

[Ascorbic, keto and hydroxy acid metabolism in the cell nuclei of certain tumors] Romanovich EA, et al. **Vopr Onkol** 21(10):34–6, 1975 (Eng. Abstr.) **(Rus)**

[Several histochemical and biochemical features of edema of uterine myomas] Zholnerovskiĭ VM. **Vopr Onkol** 21(11):85–8, 1975 **(Rus)**

MORTALITY

Mortality from cancer of the uterus in Canada and its relationship to screening for cancer of the cervix. Miller AB, et al. **Int J Cancer** 17(5):602–12, 15 May 76

Prognostic factors in endometrial carcinoma. De Mûelenaere GF. **S Afr Med J** 49(41):1695–8, 27 Sep 75

Late deaths from endometrial carcinoma. De Mûelenaere GF. **S Afr Med J** 50(17):661–4, 17 Apr 76

Cancer of the uterus: mortality trends since 1950. Hill GB. **WHO Chron** 30(5):188–93, May 76

[Prognosis of cancer of the corpus uteri] Rumeau–Rouquette C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):647–56, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

[Prognostic factors in early endometrial carcinoma (FIGO stage I)] Engeler V. **Geburtshilfe Frauenheilkd** 36(7):587–91, Jul 76 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Letter: Incidence of endometrical carcinoma. Doll R, et al. **Br Med J** 1(6017):1071–2, 1 May 76

Cancer of the reproductive organs in Costa Rica. Moya de Madrigal L, et al. **Bull Pan Am Health Organ** 9(3):238–46, 1975

Risk and prognostic factors in trophoblastic neoplasia. Bagshawe KD. **Cancer** 38(3):1373–85, Sep 76

Increasing incidence of endometrial carcinoma in Japan. Masubuchi K, et al. **Gynecol Oncol** 3(4):335–46, Dec 75

Letter: Dietary iodine and risk of breast, endometrial, and ovarian cancer. Edington GM. **Lancet** 1(7974):1413–4, 26 Jun 76

Increasing incidence of endometrial cancer in the United States. Weiss NS, et al. **N Engl J Med** 294(23):1259–62, 3 Jun 76

Three primary cancers in different organs. Holmes FF, et al. **Oncology** 32(2):53–7, 1975

A strategy for the control of endometrial cancer. Gusberg SB. **Proc R Soc Med** 68(3):163–8, Mar 75

Changing patterns in endometrial adenocarcinoma. A study of 291 consecutive cases at a large private hospital, 1960–1973. Quint BC.

Trans Pac Coast Obstet Gynecol Soc 42:100–3, 1975

[Epidemiological aspects of corpus carcinoma] Lau HU, et al. **Zentralbl Gynaekol** 97(17):1025–36, 1975 (Eng. Abstr.) **(Ger)**

[Catamnestic analysis of patients treated for uterine corpus cancer] Simm S, et al. **Ginekol Pol** 47(2):175–81, Feb 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Cytologic presentation of transitional cell carcinoma metastatic to uterus. Epstein NA.
Acta Cytol (Baltimore) 20(4):283–5, Jul–Aug 76

Non-diagnostic squamous atypia in cervico-vaginal cytology as a risk factor for early neoplasia. Melamed MR, et al. **Acta Cytol (Baltimore)** 20(2):108–10, Mar–Apr 76

The lymphatic dissemination in endometrial carcinoma. A study of 188 necropsies. Henriksen E.
Am J Obstet Gynecol 123(6):570–6, 15 Nov 75

Squamous differentiation and basal lamina deposition in endometrial adenoacanthoma. Gould VE, et al.
Am J Pathol 84(1):25–38, Jul 76

Letter: Blue nevus of the uterine cervix. Hernandez FJ.
Arch Pathol Lab Med 100(6):340, Jun 76

The distribution of neoplasm in patients dying after treatment of endometrial carcinoma. De Mûelenaere GF.
Br J Obstet Gynaecol 83(7):576–9, Jul 76

Primary carcinoma of stomach with uterine metastasis. Leiberman J, et al. **Br J Obstet Gynaecol** 82(11):917–21, Nov 75

The combined effect of nonsteroidal anti-oestrogens and sex steroids on the growth of rat uterine adenocarcinoma cells in tissue culture. Sekiya S, et al. **Br J Obstet Gynaecol** 83(3):183–6, Mar 76

Hydatidiform mole metastasizing to the lung. Band PR, et al. **Can Med Assoc J** 114(9):813–4, 8 May 76

Benign metastasizing uterine leiomyoma. Multiple lymph nodal metastases. Abell MR, et al. **Cancer** 36(6):2206–13, Dec 75

An unusual leiomyosarcoma of the uterus containing osteoclast-like giant cells. Darby AJ, et al. **Cancer** 36(2):495–504, Aug 75

Papillary cystadenofibroma of endometrium: a histochemical and ultrastructural study. Grimalt M, et al. **Cancer** 36(1):137–44, Jul 75

Clear cell carcinoma of the endometrium: an analysis of 21 cases. Kurman RJ, et al. **Cancer** 37(2):872–82, Feb 76

Mesenchymal tumors of the uterus. VI. Epithelioid smooth muscle tumors including leiomyoblastoma and clear-cell leiomyoma: a clinical and pathologic analysis of 26 cases. Kurman RJ, et al. **Cancer** 37(4):1853–65, Apr 76

Trophoblastic pseudotumor of the uterus: an exaggerated form of 'syncytial endometritis' simulating a malignant tumor. Kurman RJ, et al. **Cancer** 38(3):1214–26, Sep 76

Mesenchymal tumors of the uterus. V. Intravenous leiomyomatosis. A clinical and pathologic study of 14 cases. Norris HJ, et al. **Cancer** 36(6):2164–78, Dec 75

Effects of progesterone on rat uterine adenocarcinoma cells in vitro: an electron microscopic study. Sekiya S, et al. **Eur J Cancer** 12(6):493–6, Jun 76

Editorial: Mitosis counting—II. Kempson RL.
Hum Pathol 7(4):482–3, Jul 76

Editorial: Mitosis counting—III. Norris HJ. **Hum Pathol** 7(4):483–4, Jul 76

Reproducibility of the mitosis count in the histologic diagnosis of smooth muscle tumors of the uterus. Silverberg SG. **Hum Pathol** 7(4):451–4, Jul 76

Human endometrial carcinomas serially transplanted in nude mice and established in continuous cell lines. Merenda C, et al. **Int J Cancer** 16(4):559–70, 15 Oct 75

Leiomyoma of the uterus, ascites and hydrothorax (pseudo-Meig's syndrome). Rush BM.
J La State Med Soc 128(1):7–8, Jan 76

Adenomatoid tumor of the uterus. Report of two cases. Agbata AI, et al. **J Natl Med Assoc** 67(6):447–9, Nov 75

Endometrial cancer: not a benign disease. Boronow RC.
Obstet Gynecol 47(5):630–4, May 76 (18 ref.)

Surveillance of hydatidiform mole with the Milan-Markley helix. Milan AR. **Obstet Gynecol** 48(3):328–35, Sep 76

Primary reticulum cell sarcoma of the uterus. Gall JA, et al. **Oncology** 31(3–4):157–63, 1975

Some ultrastructural aspects of clear-cell uterine corpus carcinoma. Liebhart M, et al. **Pol Med Sci Hist Bull** 15(4):399–405, Jul–Aug 75

Electron microscopy of uterine leimyosarcomas. Böcker W, et al. **Virchows Arch [Pathol Anat]** 367(1):59–71, 23 Jun 75

A light and electron microscopic study of endometrial sarcomas of the uterus. Böcker W, et al.
Virchows Arch [Pathol Anat] 368(2):141–56, 20 Oct 75

Endolymphatic stromal myosis: report of a case treated surgically and with hormones. Jacobsen KB, et al.
Virchows Arch [Pathol Anat] 369(2):173–9, 31 Dec 75

[Primary plica lata myoma] Makokha A.
Akush Ginekol (Sofiia) 14(5):415–7, 1975 **(Bul)**

[Cystic lymphangiomyomas of the uterus] Borrel D, et al. **Ann Anat Pathol (Paris)** 20(2):177–81, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Uterine tumors of mesenchymatous origin: problem of their definition and classification] Van Bogaert LJ, et al.
Arch Anat Pathol (Paris) 23(3):185–92, 1975 (20 ref.) (Eng. Abstr.) **(Fre)**

[Certain morphoclinical aspects of the ovary in cancers of the cervix and corpus uteri at menopause] Tărăbuţă-Cordun G, et al. **Morphol Embryol (Bucur)** 22(2):105–10, Apr–Jun 76 **(Fre)**

[Proceedings: Cytophotometric studies on the normal, precancerous and carcinomatous endometrium] Sachs H, et al. **Arch Gynaekol** 219(1–4):186, 18 Nov 75 **(Ger)**

[Observations on tubal hyperplasia in post menopausal endometrial carcinoma (author's transl)] Pickel H, et al. **Osterr Z Onkol** (5–6):112–7, 1974 (Eng. Abstr.) **(Ger)**

[Proceedings: Comparative light- and electron microscopy studies of uterine sarcomas. A contribution on cytogenesis and classification] Böcker W, et al.
Verh Dtsch Ges Pathol 59:491, 1975 **(Ger)**

[On the structural changes induced in adenomyosis uteri and endometriosis externa by hormonal therapy (author's transl)] Dallenbach-Hellweg G, et al.
Virchows Arch [Pathol Anat] 367(3):241–54, 12 Aug 75 (Eng. Abstr.) **(Ger)**

[Adenomatoid tumors in myometrium (author's transl)] Bonk U, et al. **Z Krebsforsch** 85(1):13–20, 2 Jan 76 (Eng. Abstr.) **(Ger)**

[Contribution to the knowledge of fatty tissue—containing tumors of the uterus (author's transl)] Meinhof U, et al. **Zentralbl Allg Pathol** 119(5):359–63, 1975 (Eng. Abstr.) **(Ger)**

[Early diagnosis of corpus-carcinoma. The Gravlee-Jet-Washer withdrawal method on—safety from iatrogenic lesions] Krieglsteiner P, et al.
Zentralbl Gynaekol 98(7):403–9, 1976 (Eng. Abstr.) **(Ger)**

[Primary squamous cell carcinoma of the endometrium] Menczer J, et al. **Harefuah** 89(4):169–70, 15 Aug 75 **(Heb)**

[Peculiar changes in the mitochondrial structure of human glandular cells of adenocarcinoma of the uterine mucosa] Zoltán S. **Morphol Igazsagugyi Orv Sz** 15(3):177–82, Jul 75 (Eng. Abstr.) **(Hun)**

[Dysplasia and carcinoma in situ of the uterine portio. Clinical, histopathological and histochemical findings] Bertaglia A, et al. **Arch De Vecchi Anat Patol** 60(1):29–41, Aug 74 **(Ita)**

[Malignant endometrial mixed tumor (so-called carcinosarcoma): in reference to the histogenetic, nosographic and taxonomic problems] Zampi G, et al.
Arch De Vecchi Anat Patol 60(2):285–309, Dec 74 (88 ref.) **(Ita)**

[Clear cell mesonephric carcinoma of the endometrium] Romanelli R, et al. **Minerva Ginecol** 28(1):14–20, Jan 76 (Eng. Abstr.) **(Ita)**

[Morphological changes of the blood vessels of endó and myometrium due to aging, pregnancy and diseases] Eto K. **Acta Med (Fukuoka)** 45(2):109–25, Apr 75 (Eng. Abstr.) **(Jpn)**

[Ovarian tumor composed of sex cord elements coexisting with corpus uteri adenocarcinoma] Bielska-Szymańska R.
Patol Pol 27(1):93–8, 1976 **(Pol)**

[Case of uterine angiomyoma] Jaszcz W, et al. **Patol Pol** 26(3):447–51, Jul–Dec 75 (Eng. Abstr.) **(Pol)**

[Characteristics of the content and distribution of mast cells in edematous uterine myomas] Zholnerovskiĭ VM.
Akush Ginekol (Mosk) (8):62–3, Aug 75 **(Rus)**

[A heterologous mesodermal tumor of the uterus of the pleomorphic rhabdomyosarcoma type] Vlasov VI.
Arkh Patol 37(6):81–3, 1975 (Eng. Abstr.) **(Rus)**

[Histomorphologic changes in the lymph nodes following chromolymphography in cancer of the uterus] Petrova HV, et al. **Pediatr Akush Ginekol** (6):49–51, Nov–Dec 75 **(Ukr)**

[Neurinoma of the broad ligament of the uterus] Rassadina LT, et al. **Pediatr Akush Ginekol** :62, May–Jun 76 **(Ukr)**

[Study of the permeability of the ovarian follicles of women undergoing preparation by the method of contact fluorescence microscopy] Savytskyĭ HO, et al.
Pediatr Akush Ginekol (5):46–8, 1975 **(Ukr)**

[Sarcoma of the corpus uteri] Zaretskiĭ PA.
Pediatr Akush Ginekol (1):58–60, Jan–Feb 75 **(Ukr)**

PHYSIOPATHOLOGY

[Various peculiarities of myometrial contractility in fibromyoma of the uterus] Savitskiĭ GA, et al.
Akush Ginekol (Mosk) (12):30–3, Dec 75 (Eng. Abstr.) **(Rus)**

[Characteristics of excretion of luteinizing hormone and bioelectric activity of the brain in patients with external endometriosis] Strizhakov AN, et al.
Akush Ginekol (Mosk) (6):42–7, Jun 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Health education and the mass-screening of women. pp. 42–5. Voipio N.
In: Summary proceedings of the International Conference on Public Education about Cancer. Geneva, International Union against Cancer, 1975. W1 U413 v.18 1975.

[Prevention of the malignant form of trophoblastic disease after a hydatidiform mole: systematic or selective chemotherapy] Delvoye P, et al.
J Gynecol Obstet Biol Reprod (Paris) 4(2):267–93, Mar 75 **(Fre)**

[The problem of ovarian cancer after preceding gynaecological operations. Case report with special reference to endometriosis (author's transl)] Finsterwalder E, et al. **Geburtshilfe Frauenheilkd** 35(10):783–5, Oct 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Pulmonary metastases from benign-appearing smooth muscle tumors of the uterus. Bachman D, et al.
Am J Roentgenol 127(3):441–6, Sep 76

Evaluation of pelvic masses during infusion excretory urography. Imray TJ.
Am J Roentgenol Radium Ther Nucl Med 125(1):60–5, Sep 75

The value of hysterogram for the prognosis of endometrial cancer. Wolff JP, et al. **Gynecol Oncol** 3(2):103–7, Jun 75

Radiographic manifestations of malignant mixed uterine tumors. Schabel SI, et al. **J Can Assoc Radiol** 26(3):176–83, Sep 75

Hydatidiform mole: diagnosis, treatment, and follow-up. Quigley MM. **Milit Med** 141(1):36–8, Jan 76

Radiologic notes. **Mt Sinai J Med NY** 42(6):602–14, Nov–Dec 75

[Pelvic arteriography during malignant tumours of trofoblast (author's transl)] Teisinger P, et al. **Cesk Radiol** 30(1):62–6, Jan 76 (Eng. Abstr.) **(Cze)**

[The angiographic diagnosis of trophoblastic tumours (author's transl)] Schwarz G, et al.
Fortschr Geb Roentgenstr Nuklearmed 124(3):264–8, Mar 76 (Eng. Abstr.) **(Ger)**

[5 cases of uterine sarcoma] Fortuna A, et al.
Minerva Ginecol 27(12):1037–44, Dec 75 (Eng. Abstr.) **(Ita)**

[Combined use of transuterine phlebography and gas pelvigraphy in diagnosis of myoma and tumors of the uterine adnexa] Borisenko PS, et al. **Sov Med** (6):103–6, Jun 75 **(Rus)**

RADIOTHERAPY

On radiation-decreased fibrinolytic activity of vessel walls. Svanberg L, et al. **Acta Obstet Gynecol Scand** 55(1):49–51, 1976

Dosimetry of combined intracavitary and external irradiation of carcinoma of the uterine cervix. Johnsson JE, et al.
Acta Radiol [Ther] (Stockh) 14(3):251–61, Jun 75

Irradiation of endometrial cancer in patients with medical contraindication to surgery or with unresectable lesions. Landgren RC, et al. **Am J Roentgenol** 126(1):148–54, Jan 76

The role of postoperative irradiation in the management of stage I adenocarcinoma of the endometrium. Marrow CP, et al. **Am J Roentgenol** 127(2):325–9, Aug 76

Treatment, results and prognostic factors in stage I and II sarcomas of the corpus uteri. Vongtama V, et al.
Am J Roentgenol 126(1):139–47, Jan 76

Preoperative radiation therapy in endometrial carcinoma: preliminary report of a clinical trial. Weigensberg IJ.
Am J Roentgenol 127(2):319–23, Aug 76

Tandem hysterography during intra-uterine radium application. Scott WP.
Am J Roentgenol Radium Ther Nucl Med 124(4):636–7, Aug 75

Complications following radiotherapy in gynaecological carcinoma: comparison between X-ray and megavoltage therapy. Punnonen R, et al. **Ann Chir Gynaecol Fenn** 65(1):62–7, 1976

The radiosensitivity of endometrial carcinoma. De Mûelenaere GF. **Br J Radiol** 48(572):652–5, Aug 75

Postoperative external pelvic irradiation in carcinoma of the corpus stage I: a controlled clinical trial. Onsrud M, et al. **Gynecol Oncol** 4(2):222–31, Jun 76

X-ray photogrammetry with special reference to the treatment of uterine cancer. pp. 409–35. Agnoletto EB, et al.
In: Herron RE, ed. Biostereometrics 74. Falls Church, Va., American Society of Photogrammetry, 1974. TR 708 B615 1974.

Remote afterloading with conventional sources. pp. 195–9. Chassagne D, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Clinical application of high activity source afterloading in the United Kingdom. pp. 209–12. Joslin CA.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Radiobiological considerations of remote afterloading with high intensity sources. pp. 205–7. Kim JH, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Afterloading with miniaturized sources. pp. 201–4. Simon N, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Manual versus remote afterloading intracavitary techniques. pp. 189–94. Walstam R.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer Center, 1975. W3 IN922RH 1975a.

Clinical experience with remotely controlled afterloading of high intensity intracavitary sources in Japan. pp. 213–9. Yamashita H, et al.
In: Hilaris BS, ed. Afterloading: 20 years of experience, 1955–1975. New York, Memorial Sloan-Kettering Cancer

Center, 1975. W3 IN922RH 1975a.
Letter: Radiation therapy. Lewis GC Jr. **Obstet Gynecol** 47(2):252–3, Feb 76
Uterine sarcoma. Belgrad R, et al. **Radiology** 114(1):181–8, Jan 75
Evaluation of B-mode ultrasound as a means of improving radium dosimetry in the treatment of gynecologic cancer. Mayer EG, et al. **Radiology** 117(1):141–7, Oct 75
[Intracavitary isotope therapy with afterloading in cancer of the endometrium] PETKOV T, et al. **Akush Ginekol (Sofiia)** 15(2):130–3, 1976 (Eng. Abstr.) **(Bul)**
[Preventive irradiation of the vagina in the therapy of uterine carcinoma] Gorges K, et al. **Arch Gynaekol** 219(1–4):179, 18 Nov 75 **(Ger)**
[Late study on time-related dependence of bladder function in irradiated uterine carcinoma] Kümper HJ, et al. **Arch Gynaekol** 219(1–4):239–40, 18 Nov 75 **(Ger)**
[Consequences of a delayed start of therapy in primary irradiated gynecologic malignomas on five-year healing and mortality. A clinical epidemiological study] Altmann P, et al. **Strahlentherapie** 150(4):371–4, Oct 75 (Eng. Abstr.) **(Ger)**
[Results of radiotherapy with cobalt 60 beads compared to surgery in 725 uterine neoplasms] Fournier D, et al. **Strahlentherapie** 150(3):273–9, Sep 75 (Eng. Abstr.) **(Ger)**
[Radiotherapy of 4468 uterine carcinomas] Keller H, et al. **Strahlentherapie** 151(3):208–13, Mar 76 (Eng. Abstr.) **(Ger)**
[A case of AML with preceding hypoplastic stage after oophoro-hysterectomy and 60Co-irradiation (author's transl)] Yoshida T, et al. **Jpn J Clin Hematol** 16(1):45–51, Jan 75 (Eng. Abstr.) **(Jpn)**
[Diarrhea following whole pelvis irradiation in female pelvic cancer (author's transl)] Sakurai T, et al. **Nippon Acta Radiol** 35(7):536–44, 25 Jul 75 (Eng. Abstr.) **(Jpn)**
[Instrumentation-dosimetric prerequisites of intracavitary gamma therapy of cancer of the corpus uteri with sources of high activity] Kostromina KN, et al. **Med Radiol (Mosk)** 20(11):16–21, Nov 75 (Eng. Abstr.) **(Rus)**
[Absorption of vitamin B12 and d-xylose in radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**
[Absorption of vitamin B 12 and d-xylose during radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Work capacity after treatment of trophoblastic tumors] Lesakova TV. **Akush Ginekol (Mosk)** (8):53–6, Aug 75 (Eng. Abstr.) **(Rus)**

SECRETION

[Studies on variations in hCG levels following treatment of trophoblastic tumors, with special reference to criteria governing their typing and remission (author's transl)] Sugita S. **J Jpn Soc Cancer Ther** 11(1):16–22, 20 Mar 76 (Eng. Abstr.) **(Jpn)**

SURGERY

Excision of submucus fibroids with hysteroscopic control. Neuwirth RS, et al. **Am J Obstet Gynecol** 126(1):95–9, 1 Sep 76
Colonic pseudo-obstruction following termination of pregnancy and uterine operation. Spira IA, et al. **Am J Obstet Gynecol** 126(1):7–12, 1 Sep 76
Phobias complicating treatment of uterine carcinoma. Lloyd G, et al. **Br Med J** 4(5994):440, 22 Nov 75
Some surgical aspects of gynecologic cancer. Symmonds RE. **Cancer** 36(2):649–60, Aug 75
[Malignant cyto-trophoblastic tumors following the abortion of a mole. Their treatment with methotrexate alone or in conjunction with surgery] Abbou S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(1):117–32, Jan–Feb 75 (Eng. Abstr.)
Nursing care study: total abdominal hysterectomy and bilateral salpingo=oöphorectomy. Iredale P. **Nurs Times** 72(29):1120–2, 22 Jul 76
Office gynecology: fibroids–when not to operate. Russell KP. **Postgrad Med** 60(9):245–8, Sep 76
Letter: Postpartum manual removal of submucous fibroid polyps. Biale Y, et al. **S Afr Med J** 50(4):91–2, 24 Jan 76
The surgical management of prolapsed pedunculated submucous leiomyomas. Brooks GG, et al. **Surg Gynecol Obstet** 141(3):397–8, Sep 75
[Letter: Chronic inversion of the uterus] Kamar R. **Ann Soc Belg Med Trop** 54(6):519–21, 1974 **(Fre)**
[Multiple and simultaneous operations on the urinary tract and adjacent organs. I. Urology and gynecology] **J Urol Nephrol (Paris)** 80(12 pt 2):390–5, Dec 74 **(Fre)**
[Uterine myoma in geriatric surgical cases (author's transl)] Jaluvka V. **Geburtshilfe Frauenheilkd** 35(12):919–28, Dec 75 (Eng. Abstr.) **(Ger)**
[Conceptual, interpretative and practical considerations on radical hysterectomy according to Wertheim (author's transl)] Ferraris G. **Minerva Ginecol** 28(2):109–11, Feb 76 **(Ita)**
[Changes induced by myomectomy in the morphology of the uterus, with subsequent pregnancy] Pardini A, et al. **Riv Ital Ginecol** 56(2):95–102, Mar 75 (Eng. Abstr.) **(Ita)**
[Rare case of fibromyoma of the uterus] Nowosad K, et al. **Ginekol Pol** 46(11):1213–5, Nov 75 (Eng. Abstr.) **(Pol)**
[Results of surgical treatment of uterine corpus cancer with consideration of broadened oncologic asepsis] Palczak R. **Ginekol Pol** 46(11):1197–202, Nov 75 (Eng. Abstr.) **(Pol)**
[Changes in blood volume indices in patients with tumors of the uterus during the process of surgical treatment] Dotsenko IuS, et al. **Vopr Onkol** 21(9):101–3, 1975 **(Rus)**
[Residual urine in early postoperative period after radical surgery for uterine carcinoma] Gruncić M. **Srp Arh Celok Lek** 102(9):665–73, Sep 74 (Eng. Abstr.) **(Ser)**
[Advanced cervico-uterine cancer. Experience with 162 pelvic exenterations] Rodríguez Cuevas H, et al. **Ginecol Obstet Mex** 39(234):305–22, Apr 76 (Eng. Abstr.) **(Spa)**
[Mangement of trophoblastic disease] Elgueta H, et al. **Rev Chil Obstet Ginecol** 39(3):97–9, 1974 **(Spa)**
[Extradural anesthesia in abdominal surgery] Timoneda FL. **Rev Esp Anestesiol Reanim** 23(2):83–120, Mar 76 **(Spa)**

THERAPY

Reproductive performance of women successfully treated for gestational trophoblastic tumors. Walden PA, et al. **Am J Obstet Gynecol** 125(8):1108–14, 15 Aug 76
The evolution of modern treatment of corpus cancer. Gusberg SB. **Cancer** 38(1 SUPPL):603–9, Jul 76
Current status of treatment of gestational trophoblastic disease. Lewis JL Jr. **Cancer** 38(1 SUPPL):620–6, Jul 76
Combined therapy to prevent complete pelvic exenteration for rhabdomyosarcoma of the vagina or uterus. Mahesh Kumar AP, et al. **Cancer** 37(1):118–22, Jan 76
Treatment of adenocarcinoma of the endometrium at Memorial-James Ewing Hospitals, 1949–1965. Homesley HD, et al. **Obstet Gynecol** 47(1):100–5, Jan 76
[New data on treatment of placental tumors] Amiel JL. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):388–91, 1972 **(Fre)**
[Evaluation of various factors influencing the choice of therapy and the prognosis of the uterine corpus carcinoma] Merkaš Z, et al. **Strahlentherapie** 150(2):121–6, Aug 75 (Eng. Abstr.) **(Ger)**
[Use of ureterocutaneostomy in suprapubic urinary diversion in patients with inoperable bladder and uterus neoplasms] Musierowicz A, et al. **Pol Przegl Chir** 47(11A):1455–7, Nov 75 (Eng. Abstr.) **(Pol)**
[Serotonin in complex treatment of uterine and ovarian neoplasms] Baksheev NS, et al. **Akush Ginekol (Mosk)** (8):47–51, Aug 75 (Eng. Abstr.) **(Rus)**

URINE

Urinary cholesterol. VII. The significance of the excretion of nonesterified cholesterol in patients with uterine carcinomas. Acevedo HF, et al. **Cancer** 36(4):1459–69, Oct 75
[Examination of urinary estrogens in the women with uterine myoma, cervical and ovarian carcinomas as compared with those found in the women with functional bleedings during climacterium (author's transl)] Grudzień M. **Ann Univ Mariae Curie Sklodowska [Med]** 30:175–9, 1975 (Eng. Abstr.) **(Pol)**
[Relationship between sex and gonadotropic hormones in patients with mastopathy and uterine myoma] Kuz'mina EV, et al. **Akush Ginekol (Mosk)** (2):42–7, Feb 76 (Eng. Abstr.) **(Rus)**

VETERINARY

Endometrial stromal tumor in a chimpanzee. Toft JD 2d, et al. **Vet Pathol** 12(1):32–6, 1975

UTERINE PERFORATION see under **UTERINE RUPTURE**

UTERINE PROLAPSE

Vaginal evisceration. Richards BC. **Am J Obstet Gynecol** 123(8):915–6, 15 Dec 75
Acute nonpuerperal uterine inversion. Silveira Pinheiro L, et al. **Int Surg** 60(10):559–60, Oct 75
[Personal experience with patients in climacteric and post-climacteric] Uyttenbroeck F. **Verh K Acad Geneeskd Belg** 37(4):153–85, 1975 (Eng. Abstr.) **(Dut)**
[Disorders of genital positioning. Attempted definition and classification] Bernard P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):703–8, Jul–Aug 75 (Eng. Abstr.) **(Fre)**
[Unusual and interesting case of total uterine prolapse in a mullipara] Lazarov A, et al. **God Zb Med Fak Skopje** 17:737–41, 1971 **(Ser)**

COMPLICATIONS

Avulsion injury of uterovaginal prolapse and bladder. Khanna S, et al. **Br J Obstet Gynaecol** 83(6):508–10, Jun 76
Ureteric obstruction due to urine prolapse. Chapman RH. **Br J Urol** 47(5):531–4, Oct 75
Procidentia and ureteric obstruction. Riddle PR, et al. **Br J Urol** 47(4):387–90, Aug 75
Uterine prolapse with incarceration. Chambers CB. **Trans Pac Coast Obstet Gynecol Soc** 42:52–5, 1975
[A case of total uterine prolapse with cyst of the uterine cervix] Gargoucha E. **Tunis Med** 54(1):508, Jan–Feb 76 **(Fre)**
[Primary carcinoma of prolapsed uterus] Cieplak A, et al. **Wiad Lek** 29(13):1211–4, 1 Jul 76 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Genital prolapse amongst the Pokot. Cox PS, et al. **East Afr Med J** 52(12):694–9, Dec 75
[Case of vaginal enterocele : notes on etiopathogenesis, diagnosis, prevention and treatment of prolapse following hysterectomy] Fanciulli S, et al. **Minerva Ginecol** 27(12):1060–7, Dec 75 (Eng. Abstr.) **(Ita)**
[Non-puerperal chronic uterine inversion] Silveira Pinheiro L, et al. **Ginecol Obstet Mex** 39(233):223–8, Mar 76 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Genital prolapse: various peculiarities related to sociomedical conditions in the Tunisian milieu] Chaabouni M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):396–8, 1972 **(Fre)**

PATHOLOGY

Elastic tissue of the vagina in genital prolapse. A morphological study. el-Kholi GY, et al. **J Egypt Med Assoc** 58(3–4):196–204, 1975
[High degree of insufficiency of the pelvic muscular floor (prolapsus uteri et recti. Insufficientia sphincteris urethrae et ani externi)] Markov M, et al. **Akush Ginekol (Sofiia)** 14(2):151–2, 1975 **(Bul)**
[Morphological changes in the tissues of the pelvic floor in descensus and prolapse of the female genitalia] Vasil'eva LP, et al. **Pediatr Akush Ginekol** (3):54–7, May–Jun 75 **(Ukr)**

RADIOGRAPHY

[Observation on the pathogenesis of severe urinary tract complications in female genitalia prolapse] Schöll H, et al. **Zentralbl Gynaekol** 97(20):1233–8, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical repair of genital prolapse after hemipelvectomy. Inmon WB, et al. **Am J Obstet Gynecol** 123(7):766–9, 1 Dec 75
Classic pages in obstetrics and gynecology. A new operation for uterine displacements. by James Alexander Adams in Glasgow Medical Journal, vol. 17, pp. 437–446, 1882. Longo LD. **Am J Obstet Gynecol** 126(1):140, 1 Sep 76
Prolapse of the vaginal vault. Improved techniques for management of the abdominal approach or vaginal approach. Rust JA, et al. **Am J Obstet Gynecol** 125(6):768–76, 15 JUl 76
Ovarian malignancy subsequent to a Le Fort operation. Sudo N, et al. **Am J Obstet Gynecol** 124(2):210–11, 15 Jan 76
An abdominal approach to the repair of post-hysterectomy vaginal inversion. Yates MJ. **Br J Obstet Gynaecol** 82(10):817–9, Oct 75
Acute puerperal inversion of the uterus in a primipara. Mehra U, et al. **Obstet Gynecol** 47(1):30S–32S, Jan 76
[Technical modification in colpohysterectomies for prolapsus: reinforcement of perineorrhaphy by paravaginal suture] Giraud B. **J Chir (Paris)** 110(6):579–80, Dec 75 (Eng. Abstr.) **(Fre)**
[Results of the use of estriol in vaginoplasties (post-menopause)] Gnafakis N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):1019–28, Nov–Dec 73 (Eng. Abstr.) **(Fre)**
[Treatment of 3d degree prolapse in the menopausal woman] Osstovar, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):398–402, 1972 **(Fre)**
[Operations of support-suspension by upper route in the treatment of vaginal prolapse] Scali P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(3):365–78, Apr–Mau 74 (Eng. Abstr.) **(Fre)**
[Results of surgical treatment of descensus and urinary incontinence by means of selective abdomino-vaginal technic] Kolmorgen K, et al. **Zentralbl Gynaekol** 98(6):321–9, 1976 (Eng. Abstr.) **(Ger)**
[Selection of a method of surgical treatment of patients over 50 years of age with uterine prolapse] Strizhova NV, et al. **Akush Ginekol (Mosk)** (8):20–4, Aug 75 (Eng. Abstr.) **(Rus)**
[Manchester's operation] Andrade Vargas A, et al. **Ginecol Obstet Mex** 38(229):349–57, Nov 75 (Eng. Abstr.) **(Spa)**
[Vaginal hysterectomy with reinforcement of the urogenital hiatus] Ramírez H. **Rev Chil Obstet Ginecol** 39(4):156–9, 1974 **(Spa)**

THERAPY

Letter: Support for posthysterectomy prolapse. Puddington IE, et al. **Can Med Assoc J** 114(5):409, 6 Mar 76
[Conservative treatment of complete genital prolapse (author's transl)] Skála V. **Cesk Gynekol** 41(2):150, Apr 76 **(Cze)**
[Conservative treatment of descensus and genital prolapse

by means of pessaries from permanent-soft plastic] Jorde A. **Zentralbl Gynaekol** 98(6):330-2, 1976 (Eng. Abstr.) **(Ger)**

[Basic concepts of the treatment of genital prolapse] Ramirez H. **Rev Chil Obstet Ginecol** 39(4):143-6, 1974 **(Spa)**

VETERINARY

[A pneumatic pessary for use in cattle gynecology] Memmel A, et al. **Tieraerztl Prax** 3(4):415-6, 1975 **(Ger)**

UTERINE RUPTURE

A study on rupture of gravid uterus. Bhattacharya AK, et al. **J Indian Med Assoc** 65(8):221-6, 16 Oct 75

Editorial: Rupture of the uterus. Gun KM. **J Indian Med Assoc** 65(11):314-5, 1 Dec 75

[Report on 21 uterine ruptures and the influence of single row uterotomy stitching on rupture prevention (author's transl)] Kleissl HP, et al. **Geburtshilfe Frauenheilkd** 35(7):533-8, Jul 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Bladder injury associated with rupture of the uterus. Raghavaiah NV, et al. **Obstet Gynecol** 46(5):573-6, Nov 75

[Spontaneous uterine perforation with generalized peritonitis] Loup J. **J Gynecol Obstet Biol Reprod (Paris)** 2(6):777-80, Sep 73 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Maternal mortality. **J Ky Med Assoc** 74(3):145-6, Mar 76

[Birth injury and colposcopic status of the cervix uteri following labor] Karagösov A. **Zentralbl Gynaekol** 98(1):56-8, 1976 (Eng. Abstr.) **(Ger)**

[Early diagnosis of uterine rupture after previous cesarean section] Müller HG. **Zentralbl Gynaekol** 98(8):493-4, 1976 (Eng. Abstr.) **(Ger)**

[Silent uterine rupture in the 8th month of pregnancy] Fortuna A, et al. **Minerva Ginecol** 27(11):882-5, Nov 75 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Letter: Potential dangerous complication of the ballooned uterine elevator cannula. Sacco FR. **Am J Obstet Gynecol** 125(6):877, 15 JUl 76

Letter: Laparoscopic removal of IUDs from the abdomen. Pearce DJ. **Br Med J** 1(6016):1017, 24 Apr 76

Perforation of the uterine wall by the Lippes Loop in postpartum women. pp. 469-76. Hefnawi F, et al. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.**

Pelvic inflammation, perforation, and pregnancy outcome associated with the use of IUDs. pp. 139-46. Snowden R. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.**

Downward displacement of IUDs and related problems of accidental pregnancy and cervical penetration. pp. 367-71. Wei PY. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.**

Incomplete Lippes loop expulsion due to cervical translocation. Gunaratne M. **Indian J Med Res** 63(3):382-4, Mar 75

Letter: Rupture of uterine scar in a patient given epidural analgesia. Pearce DJ, et al. **Lancet** 1(7970):1177-8, 29 May 76

Committee on Maternal Welfare. Alcoholism and ruptured uterus. Jewett JF. **N Engl J Med** 294(6):335-6, 5 Feb 76

Double uterine perforation with Dalkon shield intrauterine device. Hakim-Elahi E. **NY State J Med** 76(4):567-9, Apr 76

Dislocated IUD and intrauterine ectopic pregnancy with uterine rupture. Axelsson H, et al. **Obstet Gynecol** 47(3):365-6, Mar 76

Asymptomatic perforation of the uterus with the copper-7 IUD and its management. Sivanesaratnam V, et al. **Singapore Med J** 16(4):312-4, Dec 75

[Spontaneous ruptura uteri in combination with a chocolate cyst simulating delayed uterine involution] Pekhlivanov K. **Akush Ginekol (Sofiia)** 14(3):237-9, 1975 **(Bul)**

[A case of perforation of the uterus with the Dalkon Shield] Tuxen J. **Ugeskr Laeger** 137(39):2278-80, 22 Sept 75 (Eng. Abstr.) **(Dan)**

[Intraperitoneal sequestration of a radium loaded tube, following perforation of the uterus, and his surgical management (author's transl)] Antonsen E, et al. **Acta Chir Belg** 74(5):551-4, Sep 75 (Eng. Abstr.) **(Dut)**

[Extra-uterine migration of Lippe's loop] Chaoui A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):350-2, 1972 **(Fre)**

[Transuterine migration of intrauterine contraceptive devices. 12 cases] Centène J, et al. **Nouv Presse Med** (23):1713-5, 7 Jun 75 (Eng. Abstr.) **(Fre)**

[Letter: Fatal complication of pregnancy interruption (Karman method)] Larrieu H, et al. **Nouv Presse Med** 4(38):2733, 8 Nov 75 **(Fre)**

[Cervical perforation due to a copper-T device placed following abortion (author's transl)] Wagner K, et al. **Geburtshilfe Frauenheilkd** 36(2):184-6, Feb 76 (Eng. Abstr.) **(Ger)**

[Uterine rupture and infant mortality] Jürgens H, et al. **Zentralbl Gynaekol** 97(18):1136-41, 1975 (Eng. Abstr.) **(Ger)**

[Case of old uterine perforation after abortus mens II/III] Laube J, et al. **Zentralbl Gynaekol** 97(22):1378-9, 1975 (Eng. Abstr.) **(Ger)**

[Study of causes of clinical manifestation of uterine rupture in pregnancy and labor] Gevorkian VA. **Zh Eksp Klin Med** 15(5):94-8, 1975 **(Rus)**

[Post-abortion uterine perforation. Chilean experience] García Valenzuela R, et al. **Rev Chil Obstet Ginecol** 38(3):138-45, 1973 **(Spa)**

[Error during abortion--2 physicians got warning] **Lakartidningen** 73(4):231-2, 21 Jan 76 **(Swe)**

PHYSIOPATHOLOGY

[Spontaneous rupture of the uterus in the 11th week of pregnancy] Vagina OG. **Pediatr Akush Ginekol** (1):62, Jan-Feb 75 **(Ukr)**

PREVENTION & CONTROL

Rupture of the uterus: the preventable factors. Skelly HR, et al. **S Afr Med J** 50(13):505-9, 24 Mar 76

SURGERY

Successful pregnancy following repair of a ruptured uterus. Keefer FJ, et al. **W Va Med J** 71(11):316-9, Nov 75

[Operative interventions in ruptura uteri during labor] Morozov E, et al. **Akush Ginekol (Sofiia)** 15(1):24-8, 1976 (Eng. Abstr.) **(Bul)**

[Simultaneous curettage and laparoscopy following perforation of the uterus] Tasseron EW, et al. **Ned Tijdschr Geneeskd** 119(34):1306-8, 23 Aug 75 (Eng. Abstr.) **(Dut)**

[Treatment of cattle uterine perforation during labor] Fröba G. **Tieraerztl Prax** 3(4):411-4, 1975 **(Ger)**

[Treatment of perforation of the large intestine due to illegal abortion] Mayer HG. **Zentralbl Gynaekol** 97(12):734-7, 1975 (Eng. Abstr.) **(Ger)**

[Advantage of laparoscopy in uterine perforation] Dulberg M, et al. **Harefuah** 89(7):309-13, 1 Oct 75 (Eng. Abstr.) **(Heb)**

VETERINARY

Spontaneous uterine rupture in cattle; a review of 26 cases. Pearson H, et al. **Vet Rec** 97(13):240-4, 27 Sep 75

[Rupture of the uterus during gestation (author's transl)] Drogt J. **Tijdschr Diergeneeskd** 101(12):674-5, 15 Jun 76 (Eng. Abstr.) **(Dut)**

UTEROGLOBIN see under **GLYCOPROTEINS**

UTERUS

see related
HYSTERECTOMY
HYSTEROSALPINGOGRAPHY

Development of a steerable hysteroscope: studies in the baboon. Brueschke EE, et al. **Am J Obstet Gynecol** 123(3):278-85, 1 Oct 75

Ballooned uterine elevator cannula. Hasson HM. **Am J Obstet Gynecol** 123(6):658-9, 15 Nov 75

Ultrasound localization of laminaria. Lee TG, et al. **Am J Obstet Gynecol** 126(2):293-5, 15Sep 76

Proceedings: Arterialized venous PCO2 changes during hysteroscopy. Hulf JA, et al. **Br J Anaesth** 48(3):273, Mar 76

Hysteroscopy: an overview. Behrman SJ. **Clin Obstet Gynecol** 19(2):307-14, Jun 76

Determination of the association constants and maximum binding capacities between estradiol and cytosol of the uterus by the least-squares analysis of the Scatchard plot. Hayakawa K, et al. **Endocrinol Jpn** 22(3):195-8, Jun 75

Electrocardiographic changes induced by insertion of an intrauterine device and other uterine manipulations. Aznar R, et al. **Fertil Steril** 27(1):92-6, Jan 76

In vitro response of rabbit utero-ovarian ligament to catecholamines. Fredericks CM, et al. **Fertil Steril** 27(8):957-64, Aug 76

Migration of sperm in the cervix and uterus of non-human primates. pp. 33-57. Jaszczak S. **In: Elstein M et al., ed. Cervical mucus in human reproduction. Copenhagen, Scriptor, 1973. WQ 205 C419 1972.**

Experiences with uterine and fetal instrumentation. pp. 70-6. Liley AW. **In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.**

A steerable hysteroscope and mechanical tubal occlusive devices. pp. 182-96. Brueschke EE, et al. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.** (38 ref.)

Uterotubal ceramic plugs. pp. 176-81. Craft I. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

Hysteroscopic implantation of uterotubal junction blocking devices. pp. 169-75. Hosseinian AH, et al. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

Development of uterine elevators, back-up systems and portable tables for laparoscopy. pp. 138-44. Hulka JF. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

Hysteroscopic sterilization: complications in 296 cases. pp. 148-52. Israngkun C, et al. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

Review of clinical experience with hysteroscopic sterilization. pp. 153-61. Lindemann HJ, et al. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

Hysteroscopic sterilization: follow-up of 800 cases. pp. 162-8. Quinones R, et al. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

Hyaluronidase activity of human endometrial tissues & uterine fluids. Ganguly S, et al. **Indian J Exp Biol** 13(5):497-8, Sep 75

An in vitro fibroblast-enriched sponge preparation for induction of intrauterine adhesions. Schenker JG, et al. **Isr J Med Sci** 11(8):849-51, Aug 75

Proceedings: Microwave heating of the uterine wall during parturition. Daels J. **J Microwave Power** 11(2):166-7, Jun 76

The Hysteroflator 1000S. Lindemann HJ, et al. **J Reprod Med** 16(3):145-6, Mar 76

Hysteroscopy: an overview and history of intrauterine gas insufflation. Phillips JM. **J Reprod Med** 16(6):329-33, Jun 76

Location and removal of misplaced or embedded intrauterine devices by hysteroscopy. Siegler AM, et al. **J Reprod Med** 16(3):139-44, Mar 76

A molecular and kinetic analysis of estrogen receptor transformation. Notides AC, et al. **J Steroid Biochem** 6(3-4):483-6, Mar-Apr 75

Hysteroscopy. Neuwirth RS. **Major Probl Obstet Gynecol** 8:1-79, 103-13, 1975

Letter: Missing strings. Llorens AS. **Obstet Gynecol** 46(4):501, Oct 75

The possible deleterious effects of the intramyometrial injection of hypertonic urea. Parmley TH, et al. **Obstet Gynecol** 47(2):210-2, Feb 76

Hysteroscopic removal of occult intrauterine contraceptive device. Siegler AM, et al. **Obstet Gynecol** 46(5):604-6, Nov 75

Intrauterine insemination with husband's semen. White RM, et al. **Obstet Gynecol** 47(1):119-21, Jan 76

Hysteroscopy. Siegler AM, et al. **Obstet Gynecol Surv** 30(9):567-88, Sep 75 (90 ref.)

Hysteroscopy. Craft I. **Proc R Soc Med** 69(2):144, Feb 76

In vitro perfusion of human reproductive organs. Tojo S, et al. **Thromb Res** 8(2 suppl):149-58, May 76

[Disorders of genital positioning. Attempted definition and classification] Bernard P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(5):703-8, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[Contact hysteroscopy] Parent B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(4):511-20, Jun 74 (Eng. Abstr.) **(Fre)**

[Complications of CO2-hysteroscopy] Lindemann HJ. **Arch Gynaekol** 219(1-4):257-8, 18 Nov 75 **(Ger)**

[Diagnostic valve of hysteroscopy] Lübke F. **Arch Gynaekol** 219(1-4):255-6, 18 Nov 75 **(Ger)**

[Ultrasound localization of intrauterine contraceptive devices in the laboratory and in patients (author's trans)] Schmidt, EH, et al. **Arch Gynaekol** 218(3):173-81, 29 Jul 75 (Eng. Abstr.) **(Ger)**

[Hypersensitivity reaction associated with the use of Dextran 70 (Hiscon) in Hysteroscopy (author's transl)] Knudtson ML, et al. **Geburtshilfe Frauenheilkd** 36(3):263-4, Mar 76 (Eng. Abstr.) **(Ger)**

[Experimental and clinical investigations on the effects of carbon dioxide gas during hysteroscopy (author's transl)] Lindemann HJ, et al. **Geburtshilfe Frauenheilkd** 36(2):153-62, Feb 76 (Eng. Abstr.) **(Ger)**

[Conglutinatio orificii uteri externi as indication for cesarean section] Weigelt L, et al. **Zentralbl Gynaekol** 97(22):1385-6, 1975 (Eng. Abstr.) **(Ger)**

[Viscosimetric behavior of actomyosin of the uterus and skeletal muscle after treatment with pyrophosphate and ATP] Granato Corigliano G, et al. **Boll Soc Ital Biol Sper** 52(5):282-6, 15 Mar 76 **(Ita)**

[Action of ATP and of pyrophosphate on the viscosity of myosin B of the human uterus] Martella E, et al. **Boll Soc Ital Biol Sper** 52(5):277-81, 15 Mar 76 **(Ita)**

[Remnant of fetal tubular bone in the uterus] Oba S. **Jpn J Clin Radiol** 20(6):523-4, Jun 75 **(Jpn)**

[Electric stimulation of the uterus and bladder in parturients for prophylactic and therapeutic purpose] Averkina VV. **Akush Ginekol (Mosk)** (7):59-61, Jul 75 **(Rus)**

[Changes of blood coagulation properties of the uterine tissue in pregnancy] Vdovina GF, et al. **Akush Ginekol (Mosk)** (7):14-9, Jul 75 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Prevention of premature delivery in a unicornuate uterus by cervical cerclage. Wajntraub G, et al. **Acta Obstet Gynecol Scand** 54(5):497–8, 1975

Lateral communicating double uterus with unilateral vaginal obstruction. Neves-E-Castro M, et al. **Am J Obstet Gynecol** 125(6):865–70, 15 JUl 76

Unusual twin pregnancy in a double uterus. Zervoudakis IA, et al. **Am J Obstet Gynecol** 124(6):659–61, 15 Mar 76

Efficacy of pneumogynecography in the diagnosis of Meyer-Rokitansky-Küster-Hauser syndrome. Spasov SA, et al. **Am J Roentgenol** 126(2):413–5, Feb 76

Uterovaginal agenesis. Williams EA. **Ann R Coll Surg Engl** 58(4):266–77, Jul 76

Puerperal ultrasonic hysterography in the diagnosis of congenital uterine malformations. Bennett MJ. **Br J Obstet Gynaecol** 83(5):389–92, May 76

The retroverted gravid uterus and its effect on the outcome of pregnancy. Weekes AR, et al. **Br Med J** 1(6010):622–4, 13Mar 76

The ultrasonic diagnosis of uterine fundal abnormalities. pp. 262–8. Bennett MJ. **In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.**

Uterus unicornis with uterus solidaris. Beernink FJ, et al. **Obstet Gynecol** 47(6):651–3, Jun 76

Peripheral steroid levels in a patient with congenital absence of the uterus. Chang RJ, et al. **Obstet Gynecol** 46(3):320–22, Sep 75

Term pregnancy in an unattached rudimentary uterine horn. Cohn FL, et al. **Obstet Gynecol** 48(2):234–6, AUG 76

Uterus didelphys associated with unilateral imperforate vagina. Gilliland B, et al. **Obstet Gynecol** 48(1 Suppl):5S–8S, Jul 76

Uterine anomalies. Frequency of diagnosis and associated obstetric complications. Green LK, et al. **Obstct Gynecol** 47(4):427–9, Apr 76

Uterine anomalies associated with unilateral renal agenesis. Wiersma AF, et al. **Obstet Gynecol** 47(6):654–7, Jun 76

Stein Leventhal syndrome with unicorn uterus. Rahbarnia MH. **Pahlavi Med J** 7(1):140–6, Jan 76

Congenital varicella syndrome with genitourinary anomalies. Klauber GT, et al. **Urology** 8(2):153–6, Aug 76

An unusual uterine anomaly in the cat. Appleyard WT, et al. **Vet Rec** 97(10):182–3, 6 Sep 75

[Metroplasty for congenital anomalies of the uterus] Ananiev T. **Akush Ginekol (Sofiia)** 13(3):224–34, 1974 **(Bul)**

[Pregnancy and labor in uterus didelphys with the contribution of our case] Iankov D, et al. **Akush Ginekol (Sofiia)** 15(2):159–60, 1976 **(Bul)**

[Uterus unicornis. A case with simultaneous agenesis of the contralateral kidney, ovary and adnexa] Praest J. **Ugeskr Laeger** 138(13):797–8, 22 Mar 76 (Eng. Abstr.) **(Dan)**

[Radio-anatomy of uterine malformations] Mention JE, et al. **Bull Assoc Anat (Nancy)** 59(167):947–54, Dec 75 (Eng. Abstr.) **(Fre)**

[Experimental study of uterine hypoplasia. II. Effect of treatment with beta mimetics] Gardey G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):177–82, Mar 75 (Eng. Abstr.) **(Fre)**

[A further case of asymetrically divided uterus. Role of the isthmus in the initiation of menstruation] Musset R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(7):1117–22, Oct-Nov 74 **(Fre)**

[Asymmetric bifid uteri and vaginas with or without unilateral menstrual retention. Apropos of 19 cases] Robert HG, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(8):1235–54, Dec 74 **(Fre)**

[Infantile and hypoplastic uterus: a contribution to overcome the confusion of terms (author's transl)] Rauthe G, et al. **Geburtshilfe Frauenheilkd** 35(11):877–80, Nov 75 (Eng. Abstr.) **(Ger)**

[Rudimentary uterus in testicular feminization (author's transl)] Dapunt O, et al. **Wien Klin Wochenschr** 87(16):498–506, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Unusual form of genital malformation with aplasia of the right kidney] Wunderlich M. **Zentralbl Gynaekol** 98(9):559–62, 1976 (Eng. Abstr.) **(Ger)**

[Unusual pregnancy complication manifested by urologic symptoms] Szécskai A, et al. **Orv Hetil** 117(17):1041–2, 25 Apr 76 **(Hun)**

[The role of ultrasonics in the detection of developmental disorders of the uterus] Szöke B, et al. **Orv Hetil** 117(13):772–4, 28 Mar 76 **(Hun)**

[Construction of an artificial vagina in patient with the Rokitansky-Kuster-Hauser syndrome] Terzi I, et al. **Ann Osp Maria Vittoria Torino** 17(1–6):131–6, Jan-Jun 74 **(Ita)**

[Mullerian malformations and fecundity] pp. 511–23. Barreca P, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)**

[The Rokitansky-Kuster-Hauser syndrome: value of celioscopy in its detection] pp. 525–31. Rossi T, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. (Ita)**

[Surgical treatment of uterine malformations] Cagliero L. **Minerva Ginecol** 28(2):163–74, Feb 76 (Eng. Abstr.) **(Ita)**

[Case of Rokitansky-Kuster-Hauser syndrome coexisting with congenital urinary tract malformation] Krajewski J, et al. **Ginekol Pol** 47(3):313–5, Mar 76 (Eng. Abstr.) **(Pol)**

[Unilateral atresia of the vagina caused by hymen in a case of double uterus and vagina] Gliński S. **Pol Tyg Lek** 30(36):1491–2, 8 Sep 75 (Eng. Abstr.) **(Pol)**

[Medico-genetic consultation of girls with anomalies of the development of internal genital organs] Trepakov EA, et al. **Akush Ginekol (Mosk)** (10):26–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Fertility and the course of pregnancy and delivery in the presence of evolutive uterine anomalies] Hudcovič A, et al. **Cesk Gynekol** 40(6):407–10, Jul 75 (Eng. Abstr.) **(Slo)**

[Treatment of genital malformations in women] Foix A. **Rev Chil Obstet Ginecol** 40(1):32–7, 1975 **(Spa)**

[Extremely pronounced hypoplasia of the uterus caused by congenital inguinal hernia] Khokholia VP, et al. **Pediatr Akush Ginekol** :62, May-Jun 76 **(Ukr)**

ANALYSIS

Prostaglandin F2 alpha in the uterus from ovariectomized and non ovariectomized rats. Lima FE, et al. **Acta Physiol Lat Am** 25(3):213–5, 1975

Correlation between catecholamine content of the human Fallopian tube and the uterus and plasma levels of estradiol and progesterone. Dujovne AR, et al. **Am J Obstet Gynecol** 124(3):229–33, 1 Feb 76

Glycosaminoglycans and acidic glycoproteins in rabbit uterus under estrogenic conditions. Endo M, et al. **Biochim Biophys Acta** 404(2):274–80, 9 Oct 75

The distribution within the placenta, myometrium, and decidua of 24Na-labelled hypertonic saline solution following intra-amniotic or extra-amniotic injection. Gustavii B. **Br J Obstet Gynaecol** 82(9):734–9, Sep 75

Uteroglobin in the rabbit. I. Intracellular localization in the oviduct, uterus, and preimplantation blastocyst. Kirchner C. **Cell Tissue Res** 170(3):415–24, 30 Jul 76

Uteroglobin in the rabbit. II. Intracellular localization in the uterus after hormone treatment. Kirchner C. **Cell Tissue Res** 170(3):425–34, 30 Jul 76

A highly efficient procedure for the extraction of progesterone from uterus and its compatibility with subsequent radioimmunoassay. Batra S, et al. **J Steroid Biochem** 7:599–603, Aug 76

The purification of calcium-binding protein from the uterus of the laying hen. Fullmer CS, et al. **Proc Soc Exp Biol Med** 152(2):237–41, Jun 76

The intermolecular cross-links in uterine collagens of guinea pig, pig, cow, and human beings. Kao KY, et al. **Proc Soc Exp Biol Med** 151(2):385–9, Feb 76

[Studies on the role of dopamine in uterine contractility. I. Concentration of serotonin, noradrenaline and dopamine in rat myometrium as a function of the cycle phase] Urban J, et al. **Ginekol Pol** 47(4):413–5, Apr 76 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Uterine size measured by ultrasound during the menstrual cycle. Piiroinen O, et al. **Acta Obstet Gynecol Scand** 54(3):247–50, 1975

Effects of position and uterine displacement on spinal anesthesia for cesarean section. Sprague DH. **Anesthesiology** 44(2):164–6, Feb 76

A study of the elasticity and tension of fetal membranes and of the relation of the area of the gestational sac to the area of the uterine cavity. Parry-Jones E, et al. **Br J Obstet Gynaecol** 83(3):205–12, Mar 76

Influence of indomethacin, an inhibitor of prostaglandin synthesis, on IUD-mediated increase in motility and hypertrophy of the rat uterine horn. pp. 477–80. Chaudhuri G. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.**

The lymphatic vessels of the uterus during the sexual cycles of the mice. Fabian G. **Lymphology** 9(2):78–82, Jun 76

Lymphatic display of the genital tract in the female guinea-pig: a comparison of materials and methods used. Harrison MA. **Med Lab Technol** 32(2):109–14, Apr 75

[The inner lymphatic system of the uterus of the cow. I. Lymph capillaries of the perimetrium] Jelínek K. **Anat Anz** 138(4):281–7, 1975 **(Ger)**

[The inner lymphatic system of the uterus of the cow. II. Lymph capillaries and lymphatics of the myometrium] Jelínek K. **Anat Anz** 138(4):288–95, 1975 **(Ger)**

[Morphometric examinations of the uterus in puberty, pregnancy and climacteric] Estel C, et al. **Zentralbl Gynaekol** 97(15):936–9, 1975 (Eng. Abstr.) **(Ger)**

[Ecological significance of the dilation of the distal portion of the uterus of some trematodes] Oshmarin PG. **Parazitologiia** 9(5):432–8, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Studies on the relationship between uterine blood pressure and sexual function. Shiojima Y, et al. **Acta Obstet Gynaecol Jpn** 21(2):103–6, Apr 74

Methods of calculating uterine blood flow from the wash-out curves of intra-arterial and local injections of 133Xenon. Forssman L. **Acta Obstet Gynecol Scand** 54(5):479–84, 1975

Blood flow in myomatous uteri as measured by intra-arterial 133Xenon. Forssman L. **Acta Obstet Gynecol Scand** 55(1):21–4, 1976

Distribution of blood flow in myomatous uteri as measured by locally injected 133Xenon. Forssman L. **Acta Obstet Gynecol Scand** 55(2):101–4, 1976

Prostaglandin E – angiotensin II interactions in the gravid uterus. Terragno NA, et al. **Acta Physiol Lat Am** 24(5):550–4, 1974

A double-blind investigation into the effects of ritodrine on uterine blood flow during the third trimester of pregnancy. Brettes JP, et al. **Am J Obstet Gynecol** 124(2):164–8, 15 Jan 76

Uterine blood flow, oxygen consumption, and maternal plasma estradiol and progestins following fetal death. Caton D, et al. **Am J Obstet Gynecol** 125(5):624–32, 1 Jul 76

Response of human uterine arteries to local anesthetics. Cibils LA. **Am J Obstet Gynecol** 126(2):202–10, 15Sep 76

Effect of ritodrine infusion on uterine and umbilical blood flow in pregnant sheep. Ehrenkranz RA, et al. **Am J Obstet Gynecol** 126(3):343–9, 1 Oct 76

Human uterine artery responses to lidocaine. Gibbs CP, et al. **Am J Obstet Gynecol** 126(3):313–5, 1 Oct 76

Effects of local anesthetic agents on the uterine vasculatures and myometrium. Greiss FC Jr, et al. **Am J Obstet Gynecol** 124(8):889–99, 15 Apr 76

Effects of estrogens on systemic and regional circulations in normal and renal hypertensive sheep. Nuwayhid B, et al. **Am J Obstet Gynecol** 123(5):495–504, 1 Nov 75

The effect of various vasoactive compounds upon the uterine vascular bed. Resnik R, et al. **Am J Obstet Gynecol** 125(2):201–6, 15 May 76

Effect of estradiol-17beta on blood flow to reproductive and nonreproductive tissues in pregnant ewes. Rosenfeld CR, et al. **Am J Obstet Gynecol** 124(6):618–29, 15 Mar 76

Major and collateral components of blood flow to pregnant sheep uterus. Fuller EO, et al. **Am J Physiol** 229(2):279–85, Aug 75

Uterine vasculature of the pregnant pig: a scanning electron microscope study. MacDonald AA. **Anat Rec** 184(4):689–97, Apr 76

Effect of uterine artery ligation on ovulation in the rat. Peppler RD. **Anat Rec** 184(2):183–5, Feb 76

Epidural anesthesia in the normotensive pregnant ewe: Effects on uterine blood flow and fetal acid-base status. Wallis KL, et al. **Anesthesiology** 44(6):481–7, Jun 76

The effect of ligating a uterine artery on fetal and placental development in the rat. Bruce NW. **Biol Reprod** 14(3):246–7, Apr 76

In vitro response of ovine and bovine uterine arteries to prostaglandin F2 alpha and periarterial sympathetic nerve stimulation. Ford SP, et al. **Biol Reprod** 15(1):58–65, Aug 76

Mesenchymal tumors of the uterus. V. Intravenous leiomyomatosis. A clinical and pathologic study of 14 cases. Norris HJ, et al. **Cancer** 36(6):2164–78, Dec 75

Innervation and responses to vasoactive drugs of the extrinsic uterine artery of the macaque. Bell C. **Cardiovasc Res** 10(4):482–6, Jul 74

Relationships between pressure and flow in the umbilical and uterine circulations of the sheep. Berman W Jr, et al. **Circ Res** 38(4):262–6, Apr 76

Effect of exercise on cardiac output and distribution of uterine blood flow in pregnant ewes. Curet LB, et al. **J Appl Physiol** 40(5):725–8, May 76

Uteroplacental blood flow during hyperthermia with and without respiratory alkalosis. Oakes GK, et al. **J Appl Physiol** 41(2):197–201, Aug 76

The effect of changes in perfusion pressure on uteroplacental blood flow in the pregnant rabbit. Venuto RC, et al. **J Clin Invest** 57(4):938–44, Apr 76

The uterine and maternal placental blood flow during hyperoxia. Karlson K, et al. **J Perinat Med** 2(3):170–5, 1974

The influence of hypoxia on uterine and maternal placental blood flow, and the effect of alpha-adrenergic blockade. Karlsson K. **J Perinat Med** 2(3):176–84, 1974

Uterine hemodynamics and fetal response to vena caval occlusion in sheep. Künzel W, et al. **J Perinat Med** 3(4):260–8, 1975

The distribution of blood flow to the reproductive organs of rats near term. Bruce NW. **J Reprod Fertil** 46(2):359–62, Mar 76

Dynamic studies of prostaglandin F-2 alpha in the utero-ovarian circulation of the sheep. Land RB, et al. **J Reprod Fertil** 47(2):209–14, Jul 76

Proceedings: Changes in total ovarian blood flow during anaesthesia and cannulation of utero-ovarian veins. Mattner PE, et al. **J Reprod Fertil** 46(2):517, Mar 76

Local regulation of the uterine blood flow by the umbilical circulation. Rankin JH, et al. **Proc Soc Exp Biol Med** 150(3):690–4, Dec 75

Action of histamine and its receptor blockers on uterine circulation in sheep. Woods JR Jr, et al. **Proc Soc Exp Biol Med** 151(4):811–6, Apr 76

Influence of the estrous cycle and prostaglandins on utero-ovarian vein blood flow in the rat. Batta SK, et al. **Prostaglandins** 10(3):469–77, Sep 75

The effect of the prostaglandin F2alpha analogue ICI 81008 on uterine small arteries and on blood pressure. Csepli J, et al. **Prostaglandins** 10(4):689–97, Oct 75

Uterine artery calcification: its association with diabetes. Fisher MS, et al. **Radiology** 117(3 Pt 1):537–8, Dec 75

Uterine, maternal placental and ovarian blood flow throughout pregnancy in the guinea pig. Bjellin L, et al.

Z Geburtshilfe Perinatol 179(3):179–87, Jun 75
[Roentgenocinematographic observations of reflux during hysterosalpingography] Georgiev G, et al.
Akush Ginekol (Sofiia) 13(3):195–8, 1974 (Eng. Abstr.) **(Bul)**

[The noradrenaline effect in vascular reactions of pregnant rats following alpha-adrenergic blockade] Kiutukchiev B, et al. **Eksp Med Morfol** 13(2):104–8, 1974 (Eng. Abstr.) **(Bul)**

[Value of continued recording of uterine tissular flow in the diagnosis and treatment of pre- and per-partum fetal distress] Heriot G, et al.
J Gynecol Obstet Biol Reprod (Paris) 1(5 Suppl 2):299–300, 1972 **(Fre)**

[Simultaneous study of the placental, myometrial and cervical circulations (indium 113 and anemometric thermometry) I. Technic] Renaud R, et al.
J Gynecol Obstet Biol Reprod (Paris) 3(8):1267–77, Dec 74 (Eng. Abstr.) **(Fre)**

[Simultaneous study of the placental, myometrial and cervical circulations (indium 113 and anemometric thermometry). 2. Effect of xanthinol nicotinate] Renaud R, et al.
J Gynecol Obstet Biol Reprod (Paris) 5(4):513–7, Jun 76 (Eng. Abstr.) **(Fre)**

[Hypogastric arteriography in neoplastic pathology of the cervix uteri] Bernardi L, et al.
J Radiol Electrol Med Nucl 56 suppl 2:437, 1975 **(Fre)**

[Microscopic changes in the ligated and resected stumps of the uterine vessels during abdominal hysterectomy (author's transl)] Slunsky R. **Geburtshilfe Frauenheilkd** 36(2):146–53, Feb 76 (Eng. Abstr.) **(Ger)**

[Morphology of myometrial and decidual arteries in normal pregnancy, in toxemia of pregnancy, and in maternal diabetes (author's transl)] Emmrich P, et al.
Pathol Microbiol (Basel) 43(1):38–61, 1975 (Eng. Abstr.) **(Ger)**

[A technic for the quantitative determination of uteroplacental blood flow] Ostertag H, et al.
Radiobiol Radiother (Berl) 16(6):815–23, 1975 **(Ger)**

[Morpho-structural variations of the blood vessels of the vagina and uterus in relation to the estrous cycle] Colella G, et al. **Boll Soc Ital Biol Sper** 52(4):221–3, 28 Feb 76 **(Ita)**

[Morphological changes of the blood vessels of endó and myometrium due to aging, pregnancy and diseases] Eto K. **Acta Med (Fukuoka)** 45(2):109–25, Apr 75 (Eng. Abstr.) **(Jpn)**

[Relationship between uterine flow and uterine contractility in the non-pregnant human uterus] Czekanowski R.
Ginekol Pol 46(8):849–58, Aug 75 (Eng. Abstr.) **(Pol)**

[A rare case of uterine hemorrhage from a dilatated varicose vein] Baulin VA, et al. **Akush Ginekol (Mosk)** (2):72, Feb 75 **(Rus)**

[The use of sigetin in the therapy of fetal growth retardation in the rabbit caused by uterine ischemia] Ovchinnikova GA, et al. **Akush Ginekol (Mosk)** (2):58–60, Feb 75 **(Rus)**

[Effect of promedol on the uterine circulation in parturients] Turkin VN. **Vopr Okhr Materin Det** 19(2):74–8, Feb 74 (Eng. Abstr.) **(Rus)**

[Influence of individual and combination ligation of the uterine artery and the uterine vein on the internal genital organ and the effectiveness of the operation] Myrovych DIu. **Pediatr Akush Ginekol** (6):39–43, Nov–Dec 75 **(Ukr)**

[Pyruvic and lactic acid content in the blood of the uterine vessels and in the venous blood of parturients in the dynamics of normal labor] Stepanovskaia GK, et al.
Pediatr Akush Ginekol (3):33–5, May–Jun 75 **(Ukr)**

CYTOLOGY

Proceedings: Polyploidy in the human myometrium. Van der Heijden F, et al. **Acta Morphol Neerl Scand** 14(1):91, Feb 76

Ultrastructural observations of the human uterine smooth muscle cells during gestation. Dessouky DA.
Am J Obstet Gynecol 125(8):1099–107, 15 Aug 76

A circadian rhythm of mitotic activity in the uterine luminal epithelium of the rat: effect of estrogen. Krueger WA, et al. **Anat Rec** 183(4):563–6, Dec 75

Combined scanning electron and light microscopy of biopsy samples of bovine uterus. Fathalla MA, et al.
Can J Comp Med 39(4):457–61, Oct 75

Stromal induction and specification of morphogenesis and cytodifferentiation of the epithelia of the Mullerian ducts and urogenital sinus during development of the uterus and vagina in mice. Cunha GR. **J Exp Zool** 196(3):361–70, Jun 76

Proliferative characteristics of epithelial cells in the pregnant rat uterus. Peel S, et al. **J Microsc (Oxf)** 106(2):239–49, Mar 76

Proceedings: Endocytosis in the uterine epithelium of the mouse. Parr MB, et al. **J Reprod Fertil** 46(2):509–10, Mar 76

[Histological changes on the wound- and ablatic-areas of the placenta in uterus during the after-labor period] Slunsky R. **Zentralbl Gynaekol** 98(11):647–59, 1976 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Observations on the effects of 17-alpha-pregn-4-en-20-yno-(2,3-d) isoxazol-17-ol(Danazol) on the female reproductive tract and pituitary gonadotrophs of gerbil (Meriones hurrianae). Dixit VP, et al. **Acta Anat (Basel)** 93(3):328–34, 1975

Action of isoprenaline, isoxsuprine and ritodrine in the human non-pregnant myometrium. Berg-Johnsen P, et al.
Acta Pharmacol Toxicol (Kbh) 39(2):209–13, Aug 76

Response to isoprenaline in the human pregnant and non-pregnant myometrium. Lossius K, et al.
Acta Pharmacol Toxicol (Kbh) 39(2):198–208, Aug 76

Effect of chloroquine phosphate on the isolated non-pregnant and pregnant uterus of different species. Abdel-Aziz A, et al. **Acta Physiol Acad Sci Hung** 45(1–2):115–21, 1974

Effect of ovarian hormones on the myometrium adrenergic reactivity. Milenov K, et al. **Agressologie** 16(2):107–12, 1975

Effects of progesterone, prostaglandin F2alpha and its analogue ICI 81008 on the excitability and threshold of the uterus. Csapo AI. **Am J Obstet Gynecol** 124(4):367–78, 15 Feb 76

Antepartum fetal heart rate and uterine activity studies: I. Preliminary report of accelerations and the oxytocin challenge test. Fox HE, et al. **Am J Obstet Gynecol** 126(1):61–9, 1 Sep 76

Effect of lithium of responsiveness of rat uterine smooth muscle to angiotensin. Freer RJ, et al. **Am J Physiol** 230(4):1132–7, Apr 76

Ketamine for obstetric delivery. Galloon S.
Anesthesiology 44(6):522–4, Jun 76

Halothane and calcium interaction in isolated pregnant and postpartum rat myometrium. Naftalin NJ, et al.
Anesthesiology 45(1):31–8, Jul 76

Cordycepin and early effects of estradiol on the immature rat uterus. Borgna JL, et al. **Biochimie** 58(4):443–54, 1976

Androgenization: alterations in uterine growth and morphology. Lobl RT, et al. **Biol Reprod** 13(3):255–68, Oct 75

The influence of androgenization on the tensile properties of the rat uterus. Lohl RT, et al. **Biol Reprod** 13(3):269–73, Oct 75

Letter: Uterine hypertonus after induction of labour with prostaglandin E2 tablets. Thiery M, et al. **Br Med J** 1(6015):958, 17 Apr 76

Toxicological approaches to the metabolites of Fusaria. VII. Effects of zearalenone on the uteri of mice and rats. Ueno Y, et al. **Chem Pharm Bull (Tokyo)** 22(12):2830–5, Dec 74

Decidualization in rats given 5alpha-dihydrotestosterone or its propionate neonatally. Takewaki K, et al.
Endocrinol Jpn 22(6):561–5, Dec 75

Temporal relationships between hormone receptor binding and biological responses in the uterus: studies with short- and long-acting derivatives of estriol. Lan NC, et al.
Endocrinology 98(1):220–7, Jan 76

Androgen-uterine interaction: nuclear translocation of the estrogen receptor and induction of the synthesis of the uterine-induced protein (IP) by high concentrations of androgens in vitro but not in vivo. Schmidt WN, et al.
Endocrinology 98(3):702–16, Mar 76

Comparison of results from in situ and in vitro perfusions of rabbit uterus with labeled estrone and estradiol. Tseng L, et al. **Endocrinology** 97(6):1481–5, Dec 75

Effect of copper and plastic intrauterine devices on the norepinephrine content of rabbit oviduct and uterus. Grundsell H, et al. **Fertil Steril** 26(9):919–23, Sep 75

The effect of a copper intrauterine device on the uterine histology and progestational response in pregnant and immature rabbits. Nutting EF, et al. **Fertil Steril** 26(8):845–56, Aug 75

Histochemical localization of estrogen induced sulfated glycoprotein in rabbit uterus. Endo M, et al.
Histochemistry 46(4):287–96, 31 Mar 76

Scientific group on advances in methods of fertility regulation. Geneva, 11 to 15 December 1972. Prostaglandins in fertility regulation. pp 80–107. Wiqvist N, et al.
In: Bergström S, ed. Report from meetings of the Prostaglandin Task Force Steering Committee. Stockholm, 1973. QV 175 W927r 1972–73.

Physiological and biochemical aspects of the action of serotonin on smooth muscle cells of myometrium. pp. 411–8. Kursky MD, et al.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

The primary effects of gonadal steroids on target cells. pp. 1–26. Segal SJ.
In: Crosignani PG, James VH, ed. Recent progress in reproductive endocrinology. London, Academic Press, 1974. W3 SE4779W no.4 1973.

The effect of indomethacin on the human myometrium studied with hysterometry. pp. 312–6. Ingelman-Sundberg A, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Action of adenosine 3',5'-cyclic monophosphate on rat uterus. pp. 421–5. Jain SK.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Oxytocin effect on the depolarized rat uterus: a mathematical approach using system identification. pp. 21–34. Wanner O, et al.
In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

Dual action of prostaglandin E1 on pregnant myometria in vitro of rat and mouse. pp. 443–58. Osa T, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.

Estrogenic & antiestrogenic properties of e-492, a nonsteroidal compound. Mehrotra PK, et al.
Indian J Exp Biol 13(1):69–70, Jan 75

Effect of di-norgestrel (13beta-ethyl-17alpha-ethynyl-19-nortestosterone, Wy 3707) on the reproductive organs of rabbit. Dasgupta PR, et al. **Indian J Med Res** 63(10):1413–7, Oct 75

Further evidence for histamine facilitating oestrogen action in the uterus. Castro-Vázquez A, et al. **J Endocrinol** 68(1):121–6, Jan 76

Effect of progesterone on collagen breakdown and tissue collagenolytic activity in the involuting rat uterus. Halme J, et al. **J Endocrinol** 66(3):357–62, Sep 75

Effect of prostaglandin F2alpha on the response of the traumatized uterus to prolactin in ovariectomized rats. Joseph MM, et al. **J Endocrinol** 68(1):167–8, Jan 76

Inability of actinomycin D to act upon the uterine refractory state resulting from nidatory oestrogen action in rats. Leroy F, et al. **J Endocrinol** 68(1):137–40, Jan 76

Androgenization: alterations in the mechansim of oestrogen action. Lobl RT. **J Endocrinol** 66(1):79–84, Jul 75

Effects of injections of monoamine oxidase inhibitor or saline into the uterus in late pregnancy on uterine catecholamine levels related to abnormal parturition in rats. Maltier JP, et al. **J Endocrinol** 67(3):371–83, Dec 75

Oestriol, oestradiol-17beta and the proliferation and death of uterine cells. Martin L, et al. **J Endocrinol** 69(1):103–15, Apr 76

Proceedings: A selective action of clomophene upon central and peripheral oestrogen cytoplasmic receptors. Morris ID, et al. **J Endocrinol** 68(3):29P, Mar 76

Comparison of the characteristics and of the hormonal control of endometrial and myometrial progesterone receptors. Thi MT, et al. **J Endocrinol** 66(3):349–56, Sep 75

Inhibition of human chorionic gonadotrophin-induced hypertrophy of the ovaries and uterus in immature mice by some pineal indoles, 6-hydroxymelatonin and arginine vasotocin. Vaughan MK, et al. **J Endocrinol** 68(3):397–400, Mar 76

Effect of oestrogen antagonist, CI-628, and oestradiol on post-partum involution and collagen breakdown of the rat uterus. Woessner JF Jr. **J Endocrinol** 70(1):157–8, Jul 76

The differential effects of estrogen and progesterone on the uterus of the ovariectomized golden hamster. Rath NC, et al. **J Exp Zool** 193(2):215–20, Aug 75

Proceedings: Interactions between steroids and spasmogens on the myometrium of the ewe. Carrick MJ, et al.
J Reprod Fertil 46(2):512, Mar 76

Extraovarian effect of prolactin on the traumatized uterus in the rat. Joseph MM, et al. **J Reprod Fertil** 45(2):413–4, Nov 75

The effects of HCG, indomethacin, flufenamic acid and aspirin in the immature female rat. Shaefer JM, et al.
J Reprod Fertil 45(2):227–33, Nov 75

Effects of oestrone and progesterone on collagen and ascorbic acid content in the endometrium and myometrium of the rat. Yochim JM, et al. **J Reprod Fertil** 47(1):79–82, May 76

Oestrogen-induced progesterone receptor in human uterus. Jänne O, et al. **J Steroid Biochem** 6(3–4):501–9, Mar-Apr 75

Toxicological approaches to the metabolites of Fusaria. X. Accelerating effect of zearalenone on RNA and protein syntheses in the uterus of ovariectomized mice. Ueno Y, et al. **Jpn J Exp Med** 45(3):199–205, Jun 75

Interacting effects of estrogen, progesterone and catecholamines on rat uterine cyclic AMP and glycogen phosphorylase. Rinard GA, et al. **Life Sci** 16(10):1507–12, 15 May 75

Action of prostaglandin, PGF2alpha, on the uterus of the pregnant rat. Reiner O, et al.
Naunyn Schmiedebergs Arch Pharmacol 292(3):243–50, 16 Mar 76

The mechanism of the utero-inhibitory effect of beta-sympathomimetics. Brugger AJ.
Pharmacol Ther [B] 1(2):277–96, 1975 (208 ref.)

Contractile responses to angiotensin I and angiotensin II in hamster uterine smooth muscle. Disalvo J, et al.
Proc Soc Exp Biol Med 151(1):207–11, Jan 76

Inhibition of HCG-induced ovarian and uterine weight augmentation in the immature rat by analogs of GnRH. Rippel RH, et al. **Proc Soc Exp Biol Med** 152(3):432–6, Jul 76

Mechanism of reserpine-induced changes in the pituitary-gonadal axis in rats. Nyakas C, et al.
Prog Brain Res 42:328, 1975

Effect of prostaglandins on vascular resistance and adrenergic vasoconstrictor responses in the canine uterus. Clark KE, et al. **Prostaglandins** 12(1):71–82, Jul 76

Prostaglandins and the initiation of labor. Csapo AI.
Prostaglandins 12(1):149–64, Jul 76

Oxytocin-induced functional activity of uterine horns from normal and diabetic rats. Effects of insulin and metabolic substrates. Goldraij A, et al. **Reproduccion** 2(1):31–8, Jan-Mar 75

Histamine2 receptors in rat uterus. McNeill JH, et al.
Res Commun Chem Pathol Pharmacol 11(4):639–44, Aug 75

Effects of DDT on reproduction in higher animals. Ware GW. **Residue Rev** 59:119–40, 1975 (106 ref.)

Beta2-selectivity of fenoterol. Comparison of intravenous and aerosol administration. Dürr MH, et al. **S Afr Med J** 49(37):1517–8, 30 Aug 75

Uterotrophic effect of delta-9-tetrahydrocannabinol in ovariectomized rats. Solomon J, et al. **Science** 192(4239):559–61, 7 May 76

Uterine contractility and regional blood flow responses to oxytocin and prostaglandin E2 in pregnant rhesus monkeys. Novy MJ, et al. **Trans Pac Coast Obstet Gynecol Soc** 42:8–21, 1975

[Effect of prostaglandin F2alpha on the isolated rat uterus as dependent on the hormonal state and adrenergic mechanisms] Borisov I, et al. **Akush Ginekol (Sofiia)** 14(4):245–51, 1975 (Eng. Abstr.) **(Bul)**

[Effect of beta-mimetics upon the myometrium (author's transl)] Czekanowski R .. **Cesk Gynekol** 41(4):260–2, Jun 76 **(Cze)**

[Cycloheximide has no effect on the conditioning of the uterus for implantation by certain ovarian steroids] Leroy F, et al. **C R Acad Sci [D] (Paris)** 281(24):2005–7, 22 Dec 75 (Eng. Abstr.) **(Fre)**

[Mathematical study of estrogen-progesterone antagonisms in the golden hamster] Czyba JC, et al. **C R Soc Biol (Paris)** 169(2):330–3, 1975 (Eng. Abstr.) **(Fre)**

[Correlation between uterine weight and endometrial development in rabbits treated with progesterone] Paris J, et al. **C R Soc Biol (Paris)** 169(2):360–4, 1975 (Eng. Abstr.) **(Fre)**

[Cholinergic receptors in the rat uterus] Morales-Olivas FJ, et al. **Therapie** 31(2):223–9, Mar-Apr 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Effect of beta-mimetics on uteroplacental hemodynamics] Lippert TH, et al. **Arch Gynaekol** 219(1–4):336, 18 Nov 75 **(Ger)**

[Changes in blood and uterine concentrations of Na, Rb, Ca, Cu, Zn, Mo, Fe and Co in rats during estrogen treatment] Kollmer WE, et al. **Endokrinologie** 64(1):115–20, 1974 (Eng. Abstr.) **(Ger)**

[In vitro activity of some natural and synthetic substances on non-pregnant human myometrium] Molina E, et al. **Farmaco [Prat]** 31(6):329–36, Jun 76 (Eng. Abstr.) **(Ita)**

[The effect of metallic ions on steroid hormone receptors in the rabbit uterus (author's transl)] Tamaya T, et al. **Folia Endocrinol Jpn** 51(10):856–63, 20 Oct 75 (Eng. Abstr.) **(Jpn)**

[Biological assay of prostaglandin using the rat uterus] Takeuchi K, et al. **Folia Pharmacol Jpn** 71(7):675–82, Oct 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Effect of prostaglandin on uterine muscle activities] Kumamoto M, et al. **J Physiol Soc Jpn** 36(8–9):323, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of prostaglandin E2 on uterine muscles of pregnant mice] Osa T, et al. **J Physiol Soc Jpn** 36(8–9):323–4, 1 Sep 74 **(Jpn)**

[Reactivity of isolated rat myometrium to oxytocin, bradykinin and serotonin in the presence of prostaglandin F-2 alpha] Malofiejew M, et al. **Ginekol Pol** 47(3):273–8, Mar 76 (Eng. Abstr.) **(Pol)**

[State of the uterine and vaginal epithelium and content of sex chromatin in rats after administration of sex hormones] Mudra NP. **Akush Ginekol (Mosk)** (10):20–2, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of estradiol dipropionate and its combination with insulin on pentosephosphate dehydrogenase cycle activity in the liver and the uterus] Kabanova SA, et al. **Farmakol Toksikol** 38(6):709–12, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of izadrin, inderal and netalid on the periodic activity of the rabbit myometrium] Koroza GS, et al. **Farmakol Toksikol** 39(2):155–9, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

[Changes in the bovine uterus under the effect of gravohormone] Nezhdanov AG. **Veterinariia** (9):82–5, Sep 74 **(Rus)**

[Androgenic and estrogenic hormones in the reproduction of swine] Preobrazhenskiĭ ON. **Veterinariia** (8):76–8, Aug 75 **(Rus)**

[Influence of melatonin and two synthetic derivatives on the gonadal effect of the human chorionic gonadotrophin (hcg) (author's transl)] Rabadán F, et al. **Arch Farmacol Toxicol** 1(3):247–52, Dec 75 (Eng. Abstr.) **(Spa)**

[Mechanism of the stimulating effect of pachycarpine on the uterus] Tantsiura VS, et al. **Pediatr Akush Ginekol** :59–60, May-Jun 76 **(Ukr)**

ENZYMOLOGY

Cyclic changes in the uterine phosphatases of Suncus murinus sindensis Anderson, the Indian common house shrew. Sharma A, et al. **Acta Anat (Basel)** 92(3):376–84, 1975

Estrogenic control of uterine enzymes. Villee CA, et al. **Adv Enzyme Regul** 13:137–50, 1975

Estrogen-dependent trypsin-like activity in the rat uterus. Localization of activity in the 12,000g pellet and nucleus. Katz J, et al. **Arch Biochem Biophys** 173(1):347–54, Mar 76

Phosphoprotein phosphatase activity of the progesterone-induced purple glycoprotein of the porcine uterus. Roberts RM, et al. **Biochem Biophys Res Commun** 68(2):450–5, 26 Jan 76

Comparative effects of estradiol-17beta and estriol on uterine RNA polymerases I, II, and III in vivo. Webster RA, et al. **Biochem Biophys Res Commun** 69(3):737–43, 5 Apr 76

Purification and properties of oestrogen-induced uterine peroxidase. McNabb T, et al. **Biochem J** 151(2):275–9, Nov 75

Effect of cannabis extract on the uterine monoamine oxidase activity of normal and estradiol treated rats. Chakrabarty I, et al. **Biochem Pharmacol** 25(4):377–8, 15 Feb 76

Inhibition of mitochondrial monoamine oxidase of the rat uterus and liver by clorglyine, pargyline and harmine. Grosso DS, et al. **Biochem Pharmacol** 25(8):957–61, 15 Apr 76

On the mechanism of the increase in prolyl hydroxylase activity in the uterus of the rat given estradiol-17beta. Salvador RA, et al. **Biochem Pharmacol** 25(8):907–12, 15 Apr 76

RNA polymerase activity and uterine growth: Differential stimulation by estradiol, estriol, and nafoxidine. Hardin JW, et al. **Biochemistry** 15(7):1370–4, 6 Apr 76

Stimulation of uterine nonhistone protein phosphorylation and nuclear protein kinase activity by estradiol-17beta. Cohen ME, et al. **Biochim Biophys Acta** 435(2):159–66, 18 Jun 76

Properties of a bicarbonate-stimulated ATPase from rat uterus. Iritani N, et al. **Biochim Biophys Acta** 436(4):863–8, 15 Jul 76

Effect of estrogen on synthesis of glucose-6-phosphate dehydrogenase in R3230AC mammary tumors and uteri. Ringler MB, et al. **Biochim Biophys Acta** 411(1):50–62, 10 Nov 75

Guanylate cyclase. Existence of different forms and their regulation by nucleotides in calf uterus. Siegel MI, et al. **Biochim Biophys Acta** 438(1):310–23, 7 Jun 76

Extraction of collagenase from the involuting rat uterus. Weeks JG, et al. **Biochim Biophys Acta** 445(1):205–14, 12 Aug 76

Effect of phenols on the oxidation of estradiol by uterine peroxidase. McNabb T, et al. **Can J Biochem** 53(8):855–60, Aug 75

The distribution of collagenase in the rat uterus during postpartum involution. An immunohistochemical study. Montfort I, et al. **Connect Tissue Res** 3(4):245–52, 1975

Progesterone and estrogen control of uterine prostaglandin dehydrogenase activity during deciduomal growth. Alam NA, et al. **Endocrinology** 98(4):859–63, Apr 76

Alterations in uterine and serum esterases in pregnant mammals. Tyndall RL, et al. **Fertil Steril** 26(11):1098–1104, Nov 75

Extraction of collagenase from the 6000 times g sediment of uterine and skin tissues of mice. A comparative study. Wirl G. **Hoppe Seylers Z Physiol Chem** 356(8):1289–95, Aug 75

Enzymic activity in rat uterus during early pregnancy. Malinowska KW, et al. **Horm Res** 6(2):95–104, 1975

Hormonal regulation of mammalian collagenases. pp. 147–58. Jeffrey JJ, et al.
In: Burleigh PM, Poole AR, ed. Dynamics of connective tissue macromolecules. Amsterdam, North-Holland, 1975. QU 532.C7 S989d 1974.

Effects of exogenous polynucleotides on uterine enzymes. pp. 167–82. Villee CA.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North-Holland, 1973. QU 58 R745 1972.

Proceedings: Separation of the 'estrogen-induced protein' from phosphoprotein phosphatase activity of immature rat uteri. Kaye AM, et al. **Isr J Med Sci** 11(11):1177, Nov 75

Presence of a progesterone-induced, uterine specific, acid phosphatase in allantoic fluid of gilts. Bazer FW, et al. **J Anim Sci** 41(4):1112–9, Oct 75

Effect of estradiol on rat uterus DNA-dependent RNA polymerases. Studies on solubilized enzymes. Courvalin JC, et al. **J Biol Chem** 251(16):4843–9, 25 Aug 76

Requirement of an essential thiol group and ferric iron for the activity of the progesterone-induced porcine uterine purple phosphatase. Schlosnagle DC, et al. **J Biol Chem** 251(15):4680–5, 10 Aug 76

Effect of the blastocyst on a uterine amino acid arylamidase in the rabbit. Hoorn GV, et al. **J Reprod Fertil** 45(2):359–62, Nov 75

Cyclic nucleotide phosphodiesterases in uterine development. Stancel GM, et al. **Mol Cell Endocrinol** 3(4):283–95, Oct 75

Vitamin E supplementation and glutathione peroxidase activity. Yang NY, et al. **Proc Soc Exp Biol Med** 151(4):770–4, Apr 76

Prostaglandin synthesis in decidual tissue of the rate uterus. Anteby SO, et al. **Prostaglandins** 10(6):991–9, Dec 75

Effect of Indomethacin on cyclic AMP phosphodiesterase activity in myometrium from pregnant rhesus monkeys. Beatty CH, et al. **Prostaglandins** 11(4):713–25, Apr 76

Phospholipase A activity in human and ovine uterine tissues. Grieves SA, et al. **Prostaglandins** 12(2):229–41, Aug 76

The effect of CC14 on uterine ornithine decarboxylase (ODC) in the rat. Inhibition by CC14 of the induction of ODC by E2 and o,p'DDT. Bulger WH, et al. **Res Commun Chem Pathol Pharmacol** 14(3):497–13, Jul 76

Effect of nafoxidine (U-11,100A) on the induction of uterine peroxidase. McNabb T, et al. **Steroids** 27(5):681–9, May 76

[Studies on bradykinin-binding cell fractions. 1. Characterization of kininase activity of the microsomal and membrane fraction from the rat uterus] Jankova T, et al. **Acta Biol Med Ger** 34(1):9–13, 1975 (Eng. Abstr.) **(Ger)**

[Plasminogen activator and other trypsin-like proteases in the uterus wall and their participation on the tissue bleeding (author's trans)] Koutský J, et al. **Arch Gynaekol** 220(1):11–8, 16 Dec 75 (Eng. Abstr.) **(Ger)**

[Function and significance of the isthmus uteri mucosa. Enzyme histochemical studies] Pfliederer A Jr, et al. **Arch Gynaekol** 219(1–4):556–8, 18 Nov 75 **(Ger)**

[Effect of E-1 and F-2 alpha prostaglandins on the activity of phosphodiesterase in rat myometrium] Urban J, et al. **Ginekol Pol** 47(2):155–8, Feb 76 (Eng. Abstr.) **(Pol)**

[Certain data on histoenzymology of the myometrium at the end of pregnancy and during labor] Zheleznov BI, et al. **Akush Ginekol (Mosk)** (7):10–4, Jul 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Uterotrophic effects of testosterone and 5alpha-dihydrotestosterone in intact and ovariectomized immature female rats. Armstrong DT, et al. **Biol Reprod** 15(1):107–14, Aug 76

The embryology of the cervix. pp. 13–22. Mossman HW.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971.

Growth, development and composition of the udder and gravid uterus of beef heifers during pregnancy. Ferrell CL, et al. **J Anim Sci** 42(6):1477–89, Jun 76

[Experimental study of uterine hypoplasia. I. Influence of the vascular factor] Gardey G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(1):43–9, Jan-Feb 75 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Mouse uterine antigens in the implantation period of pregnancy. Sacco AG, et al. **Biol Reprod** 12(4):498–03, May 75

Some recent findings and their implications on the mechanism of action of inert IUDs in primates and lower animals. pp. 355–8. Eckstein P, et al.
In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North-Holland, 1975. W3 IN182AI 1974a.

Bacteriostatic activity of the mare uterus: a progress report on immunoglobulins. Kenney RM, et al. **J Reprod Fertil [Suppl]** (23):357–8, Oct 75

[Antigenic analysis and immunological studies of the uterotropic bacterial strains SH6 and 01 isolated from aborted cows] Gelev I. **Vet Med Nauki** 13(4):13–22, 1976 (Eng. Abstr.) **(Bul)**

[Analysis of the effect of estrogens on the antigenic structure of the uterus of mice in the postnatal development] Serveev PV, et al. **Akush Ginekol (Mosk)** (9):62–4, Sep 75 **(Rus)**

[Autoantibodies in radiation therapy of patients with cancer of cervix] Sirazdinov VG, et al. **Med Radiol (Mosk)** 21(2):70–1, Feb 76 **(Rus)**

INJURIES

Avulsion injury of uterovaginal prolapse and bladder. Khanna S, et al. **Br J Obstet Gynaecol** 83(6):508–10, Jun 76

[Our experience in treating the traumatic uterine form of amenorrhea (atretic)] Atanasov A. **Akush Ginekol (Sofiia)** 14(6):499–503, 1975 (Eng. Abstr.) **(Bul)**

[Traumatic deciduoma and delayed nidation in castrated pregnant rat after ACTH injection] Mayer G. **C R Soc Biol (Paris)** 169(5):1194–7, 1975 (Eng. Abstr.) **(Fre)**

[Violent perforations of the uterus in the 10-year material of the Gynecologic-Obstetrical Department in Bitola] Pašanku T. **Med Arh** 28(3):337–9, May-Jun 74 (Eng. Abstr.) **(Ser)**

INNERVATION

Sympathetic innervation of guinea pig uterus and ovary. Kulkarni PS, et al. **Am J Physiol** 230(5):1400–5, May 76

[Morphofunctional analysis of the state of the uterus under conditions of disorders of neuroendocrine regulation] Volkova OV, et al. **Akush Ginekol (Mosk)** (5):55–8, May 75 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of intra-uterine contraceptive devices on the oestrogen-induced incorporation of [3H-5]uridine into RNA by the rat uterus. Dada OA, et al. **Acta Endocrinol (Kbh)** 81(1):165–9, Jan 76

Sialic acid and sialidase activity in human endometrial tissue, uterine fluid and plasma under different conditions of uterine dysfunction. Ganguly S, et al. **Acta Endocrinol (Kbh)** 81(3):574–9, Mar 76

Metabolism of oestradiol-17 beta and oestrone in the human uterus. Krishnan AR, et al. **Acta Endocrinol (Kbh)** 80(4):719–31, Dec 75

Oestrogen-inducible uterine progesterone receptors. characteristics in the ovariectomized immature and adult hamster. Reel JR, et al. **Acta Endocrinol (Kbh)** 80(2):344–54, Oct 75

Translation of avidin mRNA from chick oviduct in the oestrous mouse uterus. Tuohimaa P, et al. **Acta Endocrinol (Kbh)** 81(3):593–7, Mar 76

Renin inactivation in vitro in non-pregnant rabbit uterine

and kidney tissue. Jorgensen J.
Acta Pathol Microbiol Scand [A] 84(1):28–32, Jan 76

Acid activation of renin in rabbit uterus. Jorgensen J.
Acta Pathol Microbiol Scand [A] 84(2):123–9, Mar 76

Cyclic variations in folate composition and pteroylpolyglutamyl hydrolase (conjugase) activity of the rat uterus. Krumdieck CL, et al. **Am J Clin Nutr** 29(3):288–94, Mar 76

In vivo aspects of progesterone distribution and metabolism. Little B, et al. **Am J Obstet Gynecol** 123(5):527–34, 1 Nov 75

Effect of ionic environment on oxygen uptake and lactate production of myometrium. Kroeger EA. **Am J Physiol** 230(1):158–62, Jan 76

The in vivo inhibition of collagen synthesis and the reduction of prolyl hydroxylase activity by 3,4–dehydroproline. Salvador RA, et al. **Arch Biochem Biophys** 174(2):381–92, Jun 75

Oestrogen–related changes in uterine and vaginal cAMP and cGMP. Flandroy L, et al. **Arch Int Physiol Biochim** 83(5):965–7, Dec 75

Preferential effect of oestradiol 17 beta in vivo on the protein synthetic activity of uterine membrane–bound ribosomes. Khawaja JA. **Biochem Biophys Res Commun** 71(1):249–56, 12 Jul 76

Effect of oestradiol–17beta and progesterone on the metabolism of [1,2(–3)H] progesterone by the rabbit endometrium and myometrium. Verma U, et al.
Biochem J 156(1):55–62, 15 Apr 76

Estrogen receptors in the rat uterus. Retention of hormone–receptor complexes. Juliano JV, et al.
Biochemistry 15(4):916–20, 24 Feb 76

Effects of estradiol on uterine ribonucleic acid metabolism. Assessment of transfer ribonucleic acid methylation. Munns TW, et al. **Biochemistry** 14(21):4758–64, 21 Oct 75

Estrogen binding proteins of calf uterus. Inhibition of aggregation and dissociation of receptor by chemical perturbation with NaSCN. Sica V, et al. **Biochemistry** 15(9):1915–23, 4 May 76

Inability of the estrogen–induced uterine protein to serve as a substrate for the endogenous phosphokinase(s). Dupont–Mairesse N, et al. **Biochim Biophys Acta** 404(2):214–20, 9 Oct 75

The synthesis and accumulation of polyamines in reproductive organs of the rat during pregnancy. Guha SK, et al. **Biochim Biophys Acta** 437(1):244–52, 23 Jun 76

Uterine chromatin template activity during the early stages of pregnancy in the rat. O'Grady JE, et al.
Biochim Biophys Acta 407(2):125–32, 1 Oct 75

Biosynthesis of prostaglandin F2alpha from arachidonic acid and prostaglandin endoperoxides in the uterus. Wlodawer P, et al. **Biochim Biophys Acta** 431(3):603–14, 22 Jun 76

Glycolytic control mechanisms in myometrium from pregnant rhesus monkeys. Beatty CH, et al.
Biol Reprod 12(3):408–14, Apr 75

The effect of estrogen and progesterone on uterine prostaglandin biosynthesis in the ovariectomized rat. Castracane VD, et al. **Biol Reprod** 13(5):587–96, Dec 75

Prostaglandin E1 specific binding in human myometrium. Kimball FA, et al. **Biol Reprod** 13(4):479–89, Nov 75

Amino acid transport by the rat uterus during the estrous cycle and pregnancy. Walters MR, et al. **Biol Reprod** 12(3):383–8, Apr 75

Prostaglandins F in uterine tissue and venous plasma of pseudopregnant rats: effect of deciduomata. Weems CW, et al. **Biol Reprod** 13(3):282–8, Oct 75

Metabolism of prostaglandins within the pregnant uterus. Keirse MJ, et al. **Br J Obstet Gynaecol** 82(11):887–93, Nov 75

Effects of oestradiol and progesterone on the in vitro production of prostaglandin F2alpha by the guinea–pig uterus. Naylor B, et al. **Br J Pharmacol** 55(2):229–32, Oct 75

The influence of metyrapone on the synthesis and release of prostaglandins from the pregnant rat uterus in vitro. Parnham MJ, et al. **Br J Pharmacol** 55(4):535–9, Dec 75

Effects of potassium chloride and smooth muscle relaxants on tension and cyclic nucleotide levels in rat myometrium. Diamond J, et al. **Can J Physiol Pharmacol** 53(6):1099–107, Dec 75

The effect of cyclic adenosine 3',5'–monophosphate on the uptake of estradiol by the neonatal mouse uterus: an autoradiographic study. Eide A, et al. **Cell Tissue Res** 169(1):1–6, 11 Jun 76

Mouse histidyl–tRNAs during pregnancy. Differentiation of activity profiles within and between organs. de León V, et al. **Differentiation** 4(2):65–72, 16 Oct 75

Effect of estradiol on the early incorporation of (3H) thymidine into uterine DNA on immature mouse. Tsong YY, et al. **Endocr Res Commun** 2(8):571–86, 1975

Influence of day of pregnancy on rat placental, uterine, and ovarian prostaglandin synthesis and metabolism. Carminati P, et al. **Endocrinology** 97(5):1071–9, Nov 75

Sex–related differences in the regulation of cytoplasmic estrogen receptor levels in responsive tissues of the rat. Cidlowski JA, et al. **Endocrinology** 98(4):833–41, Apr 76

Cytoplasmic and nuclear progesterone receptors in the guinea pig uterus. Feil PD, et al. **Endocrinology** 97(6):1398–407, Dec 75

Medroxyprogesterone acetate: a steroid with potent progestational activity but low receptor affinity in the guinea pig uterus. Feil PD, et al. **Endocrinology** 98(6):1508–15, Jun 76

Control of uterine estrogen receptor levels by progesterone. Hsueh AJ, et al. **Endocrinology** 98(2):438–44, Feb 76

Androgen induction of a specific uterine protein. Ruh TS, et al. **Endocrinology** 97(5):1144–50, Nov 75

Induction of estradiol—binding receptors in the uterus of intact and ovariectomized rats. Szabó G, et al.
Endokrinologie 63(3):396–401, 1974

Metabolism of [4–14C] testosterone in the rat uterus in vitro. Hoffmann U, et al. **Eur J Biochem** 59(1):305–12, 1 Nov 75

The incorporation of newly synthesized RNA into nuclear ribonucleoprotein particles after oestrogen administration to immature rats. Knowler JT. **Eur J Biochem** 64(1):161–5, 15 Apr 76

Steroid–induced early protein synthesis in rat uterus and prostate. Pennequin P, et al. **Eur J Biochem** 60(1):137–45, 1 Dec 75

Limited proteolysis of cytoplasmic and nuclear uterine estradiol receptors yields identical estradiol–binding fragments. Vallet–Strouve C, et al. **Eur J Biochem** 66(2):327–37, 1 JUL 76

Variations of cyclic nucleotide monophosphate levels during spontaneous uterine contractions. Johansson S, et al.
Experientia 31(11):1314–5, 15 Nov 75

Correlation of estrogen–induced uterine eosinophilia with other parameters of estrogen stimulation, produced with estradiol–17beta and estriol. Tchernitchin A, et al.
Experientia 31(8):993–4, 15 Aug 75

Effect of progesterone on the in vivo binding of estrogens by uterine cells. Tchernitchin A. **Experientia** 32(8):1069–71, 15 Aug 76

Binding interactions of progesterone and other C21 steroids with rat uterine cytosol. Booth BA, et al.
Gynecol Invest 6(5):272–84, 1975

Interactions of 17beta–estradiol and L–norepinephrine on the rat uterus. Pedroza E, et al. **Horm Res** 6(4):193–8, 1975

Proceedings: Interaction of androgens with the oestrogen receptor in human myometrial and in mammary cancer tissue. Poortman J. **Horm Res** 6(5–6):306–7, 1975

Changes in ionic fluxes in uterine smooth muscle induced by carbachol. pp. 339–45. Worcel M, et al.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

Biological activity of RNA from estrogen–stimulated uterus. pp. 155–66. Galand P, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

In vivo uptake of RNA and its function in the castrate uterus. pp. 90–109. Niu MC, et al.
In: Niu MC, Segal SJ, ed. The role of RNA in reproduction and development. Amsterdam, North–Holland, 1973. QU 58 R745 1972.

Low and high dose effects of progestogens at the molecular level in the uterus. pp. 379–90. Laumas KR, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Repression and activation of the mammalian blastocyst. pp. 509–14. Psychoyos A, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974. (23 ref.)

Receptor transformation—a key step in estrogen action. pp. 211–27. Jensen EV, et al.
In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.

The effects of epinephrine and prostaglandins on cAMP formation and binding to its intracellular receptors. Correlations with myometrial activity. pp. 83–100. Harbon S, et al.
In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500–S668 1975.

Effect of DL–propranolol on synthesis of RNA in the uterus & blastocysts of rat during delayed implanatation. Rath NC, et al. **Indian J Exp Biol** 13(1):4–7, Jan 75

Presence of cellular retinol and retinoic acid binding proteins in human uterus. Chytil F, et al. **Int J Vitam Nutr Res** 45(3):293–8, 1975

Effects of estradiol–17beta and progesterone on prostaglandins F in sheep uteri and uterine venous plasma. Ford SP, et al. **J Anim Sci** 41(5):1407–13, Nov 75

Nutritional effects on age at puberty and plasma amino acid level in Yorkshire gilts and on chemical composition, nucleic acid, fatty acid and hydroxyproline contents of the uterus. Friend DW. **J Anim Sci** 43(2):404–12, Aug 76

Prostaglandins F in uterine tissue and venous plasma of ewes with intrauterine devices. Pexton JE, et al. **J Anim Sci** 41(1):144–53, Jul 75

Isolation and characterization of a sulfated glycoprotein from rabbit uterus. Endo M, et al. **J Biochem (Tokyo)** 78(5):873–8, Nov 75

Metabolic rate of acidic complex saccharides in rabbit uterus under estrogenic condition. Endo M, et al.
J Biochem (Tokyo) 79(1):1–4, Jan 76

Interaction of the estradiol receptor from calf uterus with its nuclear acceptor sites. Puca GA, et al. **J Biol Chem** 250(16):6452–9, 25 Aug 75

Colony–stimulating factor (CSF) in the uterus of the pregnant mouse. Rosendaal M. **J Cell Sci** 19(2):411–23, Nov 75

Proceedings: Presumptive induced protein synthesis in the rat uterus during early pregnancy. Bell SC, et al.
J Endocrinol 68(3):34P–35P, Mar 76

Progesterone and oestradiol in pituitary, brain and uterine tissues of the sheep. Challis JR, et al. **J Endocrinol** 69(3):451–2, Jun 76

Effect of oestrogen priming on the pattern of progesterone metabolism in the mouse uterus. Clark BF.
J Endocrinol 66(2):293–4, Aug 75

Proceedings: Comparison of intra–uterine metabolism of prostaglandin F2alpha in ovine and human pregnancy. Keirse MJ, et al. **J Endocrinol** 67(2):24P–25P, Nov 75

Proceedings: Uterine nucleic acid and phospholipid metabolism in the early stages of rat pregnancy. O'Grady JE, et al. **J Endocrinol** 68(3):33P–34P, Mar 76

Actinomycin D and uterine epithelial protein synthesis. Pollard JW, et al. **J Endocrinol** 69(1):161–2, Apr 76

Proceedings: Uterine cyclic AMP in early pregnancy in the rat. Swift AD, et al. **J Endocrinol** 68(3):35P–35P, Mar 76

Regional differences between nuclear concentration of (3H) estradiol and (3H) progesterone and their action on the uterus of rat during delayed implantation. Prasad MR, et al. **J Exp Zool** 197(1):71–9, Jul 76

Distribution and characterization of uterine pigment in capuchin monkeys (Cebus apella). Brack M.
J Med Primatol 4(5):320–5, 1975

Voltage–clamp analysis of transmembrane ionic currents in guinea–pig myometrium: evidence for an initial potassium activation triggered by calcium influx. Vassort G.
J Physiol (Lond) 252(3):713–34, Nov 75

Effects of the rat blastocyst on neutral lipids and non–specific esterases in the uterine luminal epithelium at the implantation area. Boshier DP. **J Reprod Fertil** 46(1):245–7, Jan 76

Progesterone concentration in rabbit uterine flushings before implantation. Cowan BD, et al. **J Reprod Fertil** 47(2):359–61, Jul 76

Uterine luminal proteins of mice. Gore–Langton RE, et al.
J Reprod Fertil 46(1):271–4, Jan 76

Nucleic acid metabolism of cells of the luminal epithelium and stroma of the rat uterus during early pregnancy. Heald PJ, et al. **J Reprod Fertil** 45(1):129–38, Oct 75

Maintenance of plasma–derived proteins at much lower concentrations in the uterine lumen of the rabbit: a kinetic study of passage. Kulangara AC. **J Reprod Fertil** 46(1):189–94, Jan 76

Proceedings: Uptake and metabolism of (3H)progesterone by the uterus of the ovariectomized mouse. Murphy LC, et al. **J Reprod Fertil** 46(2):511, Mar 76

Increased utero–ovarian androstenedione production before parturition in sheep. Steele PA, et al. **J Reprod Fertil** 46(2):443–5, Mar 76

Influence on heating and estradiol of the activation and transformation of the estradiol receptor of the rat uterus. Buchi K, et al. **J Steroid Biochem** 7:539–44, Aug 76

A comparative study of the androgen receptor apparatus in adult rodents. de Moor P, et al. **J Steroid Biochem** 6(3–4):437–42, Mar–Apr 75

Estradiol receptor in uterine tissue from neonatal mice. Influence by cyclic AMP. Eide A, et al.
J Steroid Biochem 6(7):1121–5, Jul 75

Comparison of the binding of [2,4,6,7–3H] estradiol–17beta [E23H] to the immature rat uterus under in vivo, in vitro and 'cell–free' conditions—II. Nuclear binding. Ekka E, et al. **J Steroid Biochem** 7(4):249–54, Apr 76

Comparison of the binding of [2,4,6,7–3H] estradiol–17beta [e23h] to the immature rat uterus under in vivo, in vitro and 'cell–free' conditions—I. Some characteristics of the cytoplasmic estradiol–receptor complex. Ekka E, et al.
J Steroid Biochem 7(4):241–7, Apr 76

Estrogen stimulation of specific protein synthesis: regulation and physical characterization of IP. Gorski J, et al.
J Steroid Biochem 6(3–4):459–60, Mar–Apr 75 (22 ref.)

Progesterone–binding properties of microsomes from pregnant rat uterus. Haukkamaa M, et al.
J Steroid Biochem 6(9):1311–7, Sep 75

Androgen binding in rat uterus cytosol. Study of the specificity. Heyns W, et al. **J Steroid Biochem** 7(5):335–43, May 76

X–ray conformation of some estrogens and their binding to uterine receptors. Hospital M, et al. **J Steroid Biochem** 6(3–4):221–5, Mar–Apr 75 (16 ref.)

Estrogen–induced alterations in cyclic nucleotide and prostaglandin levels in target tissue. Kuehl FA Jr, et al.
J Steroid Biochem 6(6):1099–105, Jun 75

Estrogen receptor in mammary glands and uterus of rats during pregnancy, lactation and involution. Leung BS, et al. **J Steroid Biochem** 7(2):89–95, Feb 76

Metabolism of oestradiol–17beta in the human myometrium. Lisboa BP, et al. **J Steroid Biochem** 6(7):1131–6, Jul 75

Progesterone metabolism in the human myometrium. Lisboa BP, et al. **J Steroid Biochem** 6(7):1137–44, Jul 75

Biosynthesis and transformation of microsomal and cytosol estradiol receptors. Little M, et al. **J Steroid Biochem** 6(3–4):493–500, Mar–Apr 75

Modulation of estrogen receptors in four different target tissues: differential effects of estrogen vs progesterone. Pavlik EJ, et al. **J Steroid Biochem** 7(5):369–76, May 76

Hydroxylapatite 'batch' assay for estrogen receptors: increased sensitivity over present receptor assays. Pavlik EJ, et al. **J Steroid Biochem** 7(5):357–68, May 76

Chromatographic and other properties of the estrogen receptors from human myometrium. Ratajczak T, et al.
J Steroid Biochem 7(3):185–97, Mar 76

Autoradiography of mammary glands and uteri of mice after the injection of [3H]–estradiol. Sar M, et al.

J Steroid Biochem 7(5):391–4, May 76

Celular and subcellular metabolism of progesterone by the human proliferative and secretory phase endometrium and myometrium. Verma U, et al. **J Steroid Biochem** 7(4):275–82, Apr 76

In vivo effect of anti–estrogens on the localisation and replenishment of estrogen receptor. Capony F, et al. **Mol Cell Endocrinol** 3(3):233–51, Sep 75

Specificities in the synthesis of a cytoplasmic estrogen–induced uterine protein. Sömjen D, et al. **Mol Cell Endocrinol** 4(5):353–8, May 76

Differentiation between steroid hormone receptors CBG and SHBG in human target organ extracts by a single–step assay. Wagner RK, et al. **Mol Cell Endocrinol** 4(1):13–24, Dec 75–Jan 76

Nuclear retention of receptor–oestrogen complex and nuclear acceptor sites. Clark JH, et al. **Nature** 260(5552):635–7, 15Apr 76

DNA replication and accelerated chain growth in oestrogen–stimulated uterine cells. Leroy F, et al. **Nature** 258(5532):259–60, 20 Nov 75

Intestinal and uterine calcium–binding protein in laying hens during different stages of egg formation. Bar A, et al. **Poult Sci** 54(4):1325–7, Jul 75

Separation of 'estrogen–induced' protein from phosphoprotein phosphatase activity of immature rat uterus. Kaye AM, et al. **Proc Natl Acad Sci USA** 72(7):2631–4, Jul 75

Alpha–fetoprotein: the major high–affinity estrogen binder in rat uterine cytosols. Uriel J, et al. **Proc Natl Acad Sci USA** 73(5):1452–6, May 76

Progesterone binding in rabbit oviduct and uterus. Muechler EK, et al. **Proc Soc Exp Biol Med** 151(2):275–9, Feb 76

Regulation of estradiol–binding receptor synthesis at the hypothalamic–pituitary–gonad level in rats. Marton I, et al. **Prog Brain Res** 42:329–30, 1975

Considerations into the mechanism of estrogen–stimulated uterine prostaglandin synthesis. Castracane VD, et al. **Prostaglandins** 12(2):243–51, Aug 76

Prostaglandin E1 specific binding in rhesus myometrium. Kimball FA, et al. **Prostaglandins** 10(5):853–64, Nov 75

The effects of progesterone, prostaglandin F2alpha and oxytocin on the calcium–activation of the uterus. Torok I, et al. **Prostaglandins** 12(2):253–69, Aug 76

Effect of isoproterenol on uptake of calcium–45 by pregnant human and rat myometrium. Hodgson BJ. **Res Commun Chem Pathol Pharmacol** 14(1):141–51, May 76

The effect of histamine, isoproterenol and tyramine on rat uterine cyclic AMP. Verma SC, et al. **Res Commun Chem Pathol Pharmacol** 13(1):55–64, Jan 76

Progesterone in the uterus. IV. Dependence of the in vitro progesterone metabolism in the rat uterus on the progesterone concentration. Egert D, et al. **Steroids** 26(2):193–214, Aug 75

Progesterone in the uterus. V. Correlation of the in vitro progesterone metabolism with the progesterone binding in rat uterus. Egert D, et al. **Steroids** 26(6):731–47, Dec 75

Progesterone in the uterus. VI. On the question of the in vitro progesterone metabolism in human endometrium and myometrium. Egert D, et al. **Steroids** 27(5):703–15, May 76

Uterine estrogen receptor binding of catecholestrogens and of estetrol (1,3,5(10)–estratriene–3,15alpha,16alpha,17beta–tetrol). Martucci C, et al. **Steroids** 27(3):325–33, Mar 76

Saturated metabolites of progesterone in human myometrium during pregnancy. Mickan H. **Steroids** 27(1):65–77, Jan 76

Effect of treatment with cannabis extract on the water and glycogen contents of the uterus in normal and estradiol–treated prepubertal rats. Charavarty I, et al. **Toxicol Appl Pharmacol** 34(3):513–6, Dec 75

[Biochemical changes in the myometrium of pregnant cats] Zherev St. **Eksp Med Morfol** 14(1):12–6, 1975 **(Bul)**

[Effect of progesterone on glycoprotein biosynthesis in prepubertal rabbit uterus polysomes] Guilleux JC, et al. **C R Acad Sci [D] (Paris)** 279(12):1011–4, 16 Sep 74 **(Fre)**

[Polychromatism in eggshell or domestic quail (Coturnix coturnix japonica). IV. Porphyrin biosynthesis in uteri of phenotypes belonging to the dominant form] Lucotte G, et al. **C R Soc Biol (Paris)** 169(1):34–8, 1975 (Eng. Abstr.) **(Fre)**

[Uterine oxygen consumption in relation to uterine blood supply] Künzel W. **Arch Gynaekol** 219(1–4):348–9, 18 Nov 75 **(Ger)**

[Histochemical studies of the myometrium in the prolonged pregnancy] Kuć A. **Zentralbl Gynaekol** 97(26):1647–54, 1975 (Eng. Abstr.) **(Ger)**

[Content of certain microelements and enzymes in blood and tissues of the genital organs of healthy women depending on the phase of menstrual cycle] Grebenchuk LV, et al. **Akush Ginekol (Mosk)** (5):69–71, May 75 **(Rus)**

[The biological role of estriol] Persianinov LS, et al. **Biull Eksp Biol Med** 79(5):93–6, May 75 (Eng. Abstr.) **(Rus)**

[Structural forms of cytoplasmic estradiol receptors in the rat uterus, kidneys and liver] Smirnova OV, et al. **Dokl Akad Nauk SSSR** 226(2):474–7, 11 Jan 76 **(Rus)**

[The effect of oxytocin and dihydrostilbestrol on various uterine cations (author's transl)] Orts A, et al. **Rev Esp Fisiol** 32(1):15–20, Mar 76 (Eng. Abstr.) **(Spa)**

[Oxygen tension in the uterine muscle and mitochondrial respiratory function in normal and inertia–complicated labor] Chan–Ti–Shan VV. **Pediatr Akush Ginekol** (3):36–9, May–Jun 75 **(Ukr)**

[Study of some energetic indices of the uterus of rats in various phases of the estral cycle] Pekach HS. **Pediatr Akush Ginekol** (5):56–9, 1975 **(Ukr)**

[Alanine and aspartic acid content and the activity of transamination enzymes in the uterus of pregnant rats] Vishnevskaia TM, et al. **Pediatr Akush Ginekol** (2):52–4, Mar–Apr 76 **(Ukr)**

MICROBIOLOGY

Particles morphologically resembling mouse hepatitis virus in nude mouse uterus. Con Smith G, et al. **Intervirology** 6(2):90–7, 1975–76

Streptococcus canis: an isolate from a canine uterus. Olson PS. **Vet Med Small Anim Clin** 70(8):933–4, Aug 75

[Quantitative changes in the uterine microflora during the puerperal period and conception in cows] Radoslavov V. **Vet Med Nauki** 12(7):49–54, 1975 (Eng. Abstr.) **(Bul)**

PATHOLOGY

The combined effect of nonsteroidal anti–oestrogens and sex steroids on the growth of rat uterine adenocarcinoma cells in tissue culture. Sekiya S, et al. **Br J Obstet Gynaecol** 83(3):183–6, Mar 76

An unusual leiomyosarcoma of the uterus containing osteoclast–like giant cells. Darby AJ, et al. **Cancer** 36(2):495–504, Aug 75

[Morphologic changes in the superior region of the sex organs of rats following intrauterine inoculation with Trichomonas vaginalis] Stoilov L, et al. **Akush Ginekol (Sofiia)** 13(6):471–8, 1974 (Eng. Abstr.) **(Bul)**

[Clinicopathological study of a case of disseminated intravascular coagulation associated with a probable amniotic fluid embolism] Dandavino A, et al. **Union Med Can** 104(4):585–9, Apr 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Studies in diagnostic ultrasound. Size of the non–pregnant uterus in women of child–bearing age and uterine growth and foetal development in the first half of normal pregnancy. Piiroinen O. **Acta Obstet Gynecol Scand [Suppl]** (46):suppl 46:1–60, 1975

Physiology of the oviduct and mesosalpinx isolated from guinea pigs. Influence of pharmacological factors. Sterin–Borda L, et al. **Acta Physiol Lat Am** 25(3):235–6, 1975

Spontaneous activity of the uterine horn of guinea–pig in the different phases of the oestral cycle. Chernaeva L, et al. **Acta Physiol Pharmacol Bulg** 1:34–42, 1974

The effects on stretching and prostaglandin F2alpha on the contractile and bioelectric activity of the uterus in rat. Laudański T, et al. **Acta Physiol Pol** 26(4):385–93, Jul–Aug 75

Quantitation of uterine activity in 100 primiparous patients. Miller FC, et al. **Am J Obstet Gynecol** 124(4):398–405, 15 Feb 76

Effects of uterus and prostaglandin F2alpha on corpora lutea in Mongolian gerbils and guinea pigs. Chaichareon DP, et al. **Am J Vet Res** 37(5):573–8, May 76

Luteolysis with prostaglandin F2alpha or an antiserum against an equine pituitary fraction in hysterectomized mares. Douglas RH, et al. **Am J Vet Res** 36(12):1793–5, Dec 75

Cellular mechanisms involved in cyclic stromal renewal of the uterus. II. The albino rat. Padykula HA, et al. **Anat Rec** 184(1):27–48, Jan 76

Utero–oviductal motility, egg transport and implantation in prostaglandin treated rabbits. Aref I, et al. **Biol Reprod** 14(5):658–64, Jun 76

A local (nonsystemic) effect of the ovary on the uterus in rats. Buchanan GD. **Biol Reprod** 12(3):389–92, Apr 75

The stability of uterine activity in nonpregnant rabbits during short–term cross–transfusion with blood from pregnant rabbits. Herczeg J, et al. **Biol Reprod** 14(2):190–3, Mar 76

Effect of uterine flushings on RNA synthesis by 'implanting' and 'delayed implanting' mouse blastocysts in vitro. Weitlauf HM. **Biol Reprod** 14(5):566–71, Jun 76

Experiments in the measurement of intrauterine pressure. Ödendaal HJ, et al. **Br J Obstet Gynaecol** 83(3):221–4, Mar 76

Rat uterus renin–like activity: effect of stimuli and hormones. Gutman Y, et al. **Br J Pharmacol** 56(3):285–92, Mar 76

Mechanical responses of rat isolated uterine horns to transmural stimulation. Hollingsworth M. **Br J Pharmacol** 55(1):41–6, Sep 75

An optimized algorithm for the detection of uterine contractions in intrauterine pressure recordings. Chik L, et al. **Comput Biomed Res** 8(3):294–301, Jun 75

Post–coital contraceptive and uterotrophic effects of luteinizing hormone releasing hormone. Corbin A, et al. **Endocr Res Commun** 2(6–7):445–58, 1975

Loss of uterine luminal fluid in the rat: relative importance of changing peripheral levels of estrogen and progesterone. Kennedy TG, et al. **Endocrinology** 97(6):1379–85, Dec 75

Some aspects of the early development and implantation of the mammalian egg. Bloch S. **Experientia** 32(5):542–8, 15 May 76 (7 ref.)

The temperature, pH, and partial pressure of oxygen in the cervix and uterus of women and uterus of rats during the cycle. Yedwab GA, et al. **Fertil Steril** 27(3):304–9, Mar 76

A human placental hormone (UTPH) with uterine growth and DNA promoting effects. Beas F, et al. **Horm Metab Res** 7(6):515–20, Nov 75

Avian postovulatory follicle homogenate effect on the genital tract motility. Soliman KF, et al. **Horm Res** 6(5–6):357–65, 1975

Monitoring of fetal heart rate and uterine activity in clinically uncomplicated pregnancy and labor. Smith RP, et al. **Ill Med J** 149(1):58–62, Jan 76

Interaction between pacemaker electrical behavior and action potential mechanism in uterine smooth muscle. pp. 53–63. Anderson NC, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Relationship between contraction and transmembrane ionic currents in voltage–clamped uterine smooth muscle. pp. 175–83. Mironneau J. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

On the excitatory action of progstaglandin E2 on the pregnant mouse myometrium. pp. 385–93. Suzuki H, et al. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

Transmembrane ionic currents in Guinea pig myometrium during excitation. pp. 77–81. Vassort G. **In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.**

The effect of indomethacin on the human myometrium studied with hysterometry. pp. 312–6. Ingelman–Sundberg A, et al. **In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.**

Local effects of pharmacologically inert IUDs in rats, baboons, and humans. pp. 339–48. Joshi SG. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North–Holland, 1975. W3 IN182AI 1974a.**

The uterus in pregnancy: physiologic and pharmacologic considerations. pp. 62–9. Gustavii B. **In: Kaback MM, Valenti C, ed. Intrauterine fetal visualization: a multidisciplinary approach. Amsterdam, Elsevier, 1976. W3 EX89 no. 371 1974.** (49 ref.)

Uterus and control of ovarian function. pp. 379–414. Anderson LL. **In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b.** (182 ref.)

Spacing and orientation of blastocysts in utero. pp. 357–78. Boving BG. **In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b.**

Implantation–initiating factor from mouse uterus. pp. 343–56. Mintz B. **In: Moghissi KS, Hafez ES, ed. Biology of mammalian fertilization and implantation. Springfield, Ill., Thomas, 1972. W3 HA292 1970b.** (21 ref.)

Myometrial studies in the pregnant sheep. pp. 153–62. Hindson JC, et al. **In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.**

On the motility of the uterine muscle. Louros NC. **Int Surg** 61(2):73–9, Feb 76

Uterine capacity and progestin levels in superinducted gilts. Rampacek GR, et al. **J Anim Sci** 41(2):564–7, Aug 75

The hormonal control and morphology of blastocyst invasion in the mouse uterus. Grant PS, et al. **J Embryol Exp Morphol** 34(2):299–310, Oct 75

Hysterectomy of the newborn guinea–pig, subsequent effects on the oestrous cycle and life span of the corpora lutea. Buño W, et al. **J Endocrinol** 66(2):233–7, Aug 75

The maintenance of a stable baseline in intra–uterine pressure with varying maternal position––a practical approach. Arroyo J, et al. **J Perinat Med** 3(2):129–31, 1975

Uterine blood flow, oxygen uptake, and vascular resistance of pregnant sheep near term. Künzel W, et al. **J Perinat Med** 2(2):101–5, 1974

Proceedings: Transuterine, transendocervical and transvaginal potential differences in conscious woman measured in situ. Duncan SL, et al. **J Physiol (Lond)** 259(1):27P–28P, Jul 76

Proceedings: Measurement of trans–uterine potential difference in the human female during labour. Duncan SL, et al. **J Physiol (Lond)** 259(1):25P–26P, Jul 76

A comparison of in–vitro fertilization of rabbit eggs using spermatozoa recovered from the uterus or vagina. Dandekar P, et al. **J Reprod Fertil** 46(1):77–81, Jan 76

Hormonal control of pinocytosis in the uterine epithelium of the rat. Leroy F, et al. **J Reprod Fertil** 47(1):59–62, May 76

Pregnancy blocking in the vole, Microtus agrestis. II. Ovarian, uterine and vaginal changes. Milligan SR. **J Reprod Fertil** 46(1):97–100, Jan 76

Relationship between the electrical activity of the oviduct and the uterus of the rabbit in vivo. Ruckebusch Y. **J Reprod Fertil** 45(1):73–82, Oct 75

An electromyographic study of uterotubal activity in the ewe. Ruckebusch Y, et al. **J Reprod Fertil** 47(2):221–7, Jul 76

Ovulation and transuterine migration of the conceptus in thoroughbred mares. Bain AM, et al. **J Reprod Fertil [Suppl]** (23):541–4, Oct 75

Sperm transport and distribution in the mare. Parker WG, et al. **J Reprod Fertil [Suppl]** (23):63–6, Oct 75

Progestational support of the decidual reaction by topically administered steroids. Stromberg BV, et al. **J Steroid Biochem** 7(1):51–3, Jan 76

Electrophysiological and mechanical investigations on the dual action of prostaglandin E1 in the pregnant rat myometrium in vitro. Osa T, et al. **Jpn J Physiol** 25(3):357–69, 1975

Comparison between prostaglandin E2 and oxytocin actions on pregnant mouse myometrium. Suzuki H, et al. **Jpn J Physiol** 25(3):345–56, 1975

Effects of terbutaline on human myometrial activity and endometrial blood flow. Akerlund M, et al. **Obstet Gynecol** 47(5):529–35, May 76

Calcium regulation in the uterus. Daniel EE, et al. **Pharmacol Ther [B]** 1(4):695–729, 1975 (168 ref.)

Plasma concentrations of connective tissue compounds: I. the effect of uterine involution. Galambos JT, et al. **Proc Soc Exp Biol Med** 151(2):366–7, Feb 76

Unilateral luteotropic effect of uterine venous effluent of a gravid uterine horn in sheep. Mapletoft RJ, et al. **Proc Soc Exp Biol Med** 150(1):129–33, Oct 75

A study of prostaglandin F2alpha as the luteolysin in swine: I. Effect of prostaglandin F2alpha in hysterectomized gilts. Moeljono MP, et al. **Prostaglandins** 11(4):737–43, Apr 76

Are changes in serum N-acetylhexosaminidase level associated with uterine involution in the cow? Linford E. **Res Vet Sci** 21(1):116–7, Jul 76

The influence of taking uterine biopsies on the concentration of some steroids in the blood and in the uterus, on the ovarian activity, and on the sexual behaviour of the mare. Nitschelm D, et al. **Tijdschr Diergeneeskd** 101(14):796–804, 15 Jul 76

[The value of electrophysiologic research methods for assessing the state of the fetus and uterus during labor] Sirovatko FA, et al. **Akush Ginekol (Sofiia)** 13(6):409–13, 1974 (Eng. Abstr.) **(Bul)**

[Does estradiol act in a unique way during progestation in the female rat? I. Uptake and retention of estradiol 17beta in the uterus of castrated rats under the influence of uterine distension] Sartor P, et al. **Bull Assoc Anat (Nancy)** 59(166):769–77, Sep 75 (Eng. Abstr.) **(Fre)**

[Analysis of intrauterine sounds and their tranquillizing effects on the newborn infant] Murooka H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(3):367–76, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Proceedings: Possibilities in the measurement of vital functions of the human uterus in vitro.—A study on the isolation perfused organ] Sauer HJ, et al. **Arch Gynaekol** 219(1–4):503, 18 Nov 75 **(Ger)**

[Uterine activity in late pregnancy (author's transl)] Warkentin B. **Z Geburtshilfe Perinatol** 180(3):225–9, Jun 76 (Eng. Abstr.) **(Ger)**

[Uterine involution in normal and pathological puerperium, studied by ultrasound] Szöke B, et al. **Orv Hetil** 117(14):833–5, 4 Apr 76 **(Hun)**

[Some regularities of the regeneration of the musculature of internal organs] Gladkiĭ AP. **Arkh Anat Gistol Embriol** 69(8):101–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Certain indicators of response reaction of the body to intrauterine contraception] Libenzon LL. **Sov Med** (9):126–8, Sept 75 **(Rus)**

[Puerperal uterine involution in the cow] Kiubar KH. **Veterinariia** (4):75–6, Apr 76 **(Rus)**

[Characteristics of functional state of the uterus in parturients after physiological labor and that complicated by uterine inertia] Persianinov LS, et al. **Vopr Okhr Materin Det** 20(12):50–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Contractility and wave of propagation of the non-pregnant uterus under the acute effect of the copper T] Martínez Gaudio M. **Rev Chil Obstet Ginecol** 37(6):293–6, 1972 **(Spa)**

[Pharmacological reactivity in cricetus aureus uterus (author's transl)] Ortega L, et al. **Rev Esp Fisiol** 32(1):21–7, Mar 76 **(Spa)**

PHYSIOPATHOLOGY

Intrauterine pressure wave form characteristics in hypocontractile labor before and after oxytocin administration. Seitchik J, et al. **Am J Obstet Gynecol** 123(4):426–34, 15 Oct 75

[Spontaneous ruptura uteri in combination with a chocolate cyst simulating delayed uterine involution] Pekhlivanov K. **Akush Ginekol (Sofiia)** 14(3):237–9, 1975 **(Bul)**

[Possibilities of external electrohysterography in determination of the functional status of the uterus in sterility] Matsuev AI. **Akush Ginekol (Mosk)** (12):57–9, Dec 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the motor function of the uterus during labor in parturients with late pregnancy toxemia] Kustarov VN, et al. **Vopr Okhr Materin Det** 20(8):86–7, Aug 75 **(Rus)**

SECRETION

Uterine secretion in mammals: synthesis and placental transport of a purple acid phosphatase in pigs. Chen TT, et al. **Biol Reprod** 13(3):304–13, Oct 75

Uterine secretion during the sexual cycle in the rat and its capacity to disperse corona cells in vitro. Meglioli G, et al. **Experientia** 31(8):986–9, 15 Aug 75

Uterine protein secretions: Relationship to development of the conceptus. Bazer FW. **J Anim Sci** 41(5):1376–82, Nov 75 (57 ref.)

Endocrine changes associated with luteal regression in the ewe; the secretion of ovarian oestradiol, progesterone and androstenedione and uterine prostaglandin F2alpha throughout the oestrous cycle. Baird DT, et al. **J Endocrinol** 69(2):275–86, May 76

Effect of intra-uterine beads alone, or combined with oestrogen treatment, on utero-ovarian venous plasma prostaglandin F2alpha and progesterone levels in the guinea-pig. Blatchley FR, et al. **J Endocrinol** 68(3):445–51, Mar 76

Effect of intra-uterine foreign bodies and of prostaglandin administration on progesterone secretion during the oestrous cycle of the guinea-pig. Blatchley FR, et al. **J Endocrinol** 70(1):39–45, Jul 76

Uterine secretion of fructose in the roe deer. Aitken RJ. **J Reprod Fertil** 46(2):439–40, Mar 76

Effect of decidual tissue on the uterine production of prostaglandins in pseudopregnant rats. Castracane VD, et al. **J Reprod Fertil** 46(1):101–4, Jan 76

The progesterone and protein composition of rabbit uterine flushings. Fowler RE, et al. **J Reprod Fertil** 46(2):427–30, Mar 76

Stimulation of uterine RNA synthesis in mice by the post-coital antifertility agent, ORF 3858. Greenslade FC, et al. **J Reprod Fertil** 45(2):401–3, Nov 75

Oestrogenic sensitivity of rat uterine secretion. Meglioli G. **J Reprod Fertil** 46(2):395–9, Mar 76

Proceedings: Proteins of the uterine secretion in sheep. Staples LD, et al. **J Reprod Fertil** 46(2):532, Mar 76

Laparoscopic pregnancy diagnosis and uterine fluid recovery in swine. Wildt DE, et al. **J Reprod Fertil** 44(2):301–4, Aug 75

Hormonal and related factors affecting the release of prostaglandin F2alpha from the uterus. Roberts JS, et al. **J Steroid Biochem** 6(6):1091–7, Jun 75

[Utero-specific proteins: experimental characterization of rabbit blastokinin] pp. 451–60. Garcea N, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973.** **(Ita)**

SURGERY

[Metroplasties] Kaskarelis DB. **Acta Eur Fertil** 6(3):287–99, Sep 75 **(Eng, Fre)**

Uterine skin grafts and fertility control in the rat. Polishuk WZ, et al. **Fertil Steril** 27(8):975–9, Aug 76

The improvement of the uterine cornual coagulation technique. pp. 346–51. Hayashi M, et al. **In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.**

Uterine cryosurgery in baboons. pp. 231–8. Greer BE, et al. **In: Sciarra JJ, et al., ed. Advances in female sterilization techniques. Hagerstown, Md., Harper & Row, 1976. WP 660 W924a 1975.**

The influence of intra-uterine surgery and of fetal intravenous nutritional supplements 'in utero' on plasma free amino acid homeostasis in the pregnant ewe. Young M, et al. **J Perinat Med** 3(3):180–97, 1975

Modified Gilliam uterine suspension using laparoscopic visualization. Candy JW. **Obstet Gynecol** 47(2):242–3, Feb 76

Effect of surgical stress on the distribution of placental blood flows. Rankin JH, et al. **Respir Physiol** 24(3):373–83, Sep 75

Symposium on surgical techniques in small animal practice. Surgery of the uterus. Herron MR, et al. **Vet Clin North Am** 5(3):471–6, Aug 75

[Early abdominal second interventions following gynecologic surgery] Mayer HG, et al. **Zentralbl Gynaekol** 97(11):692–5, 1975 (Eng. Abstr.) **(Ger)**

[Evaluation of the quality of uterine suture after cesarean section (experimental study)] El'tsov-Strelkov VI, et al. **Akush Ginekol (Mosk)** (8):65–7, Aug 75 **(Rus)**

[Vacuum-evacuation of the cavum uteri after separation of the placenta (author's transl)] Magurský V, et al. **Cesk Gynekol** 41(4):290–3, Jun 76 (Eng. Abstr.) **(Slo)**

TRANSPLANTATION

Genital organs. Auto and homotransplantation in forty dogs. Paldi E, et al. **Int J Fertil** 20(1):5–12, 1975

Functional assessment of the autotransplanted uterus and ovary in the ewe. Baird DT, et al. **Proc R Soc Lond [Biol]** 192(1109):463–74, 16 Mar 76

ULTRASTRUCTURE

Morphological changes in the trophoblast, uterus and corpus luteum during delayed implantation and implantation in the western spotted skunk. Sinha AA, et al. **Am J Anat** 145(3):331–55, Mar 76

Ultrastructure of the trophoblast-epithelial junction at blastocyst implantation in the mouse. Nilsson O. **Exp Cell Res** 94(2):434–6, Sep 75

Histochemistry of the lumenal cell surfaces of the mucosa of the oviducts and the uterus of the rat. Changes in prepuberty, estrous cycle, castration, hormone replacement and pseudopregnancy. Parlanti IA, et al. **Experientia** 31(12):1456–9, 15 Dec 75

Production and detection of antibodies against the estrogen receptor from calf uterine cytosol. Fox LL, et al. **FEBS Lett** 63(1):71–6, 15 Mar 76

The surface epithelium of the human uterotubal junction a scanning electron microscope study. pp. 367–72. Fadell HE, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Use of the scanning electron microscope to characterize cell types grown in cultures of human epithelial tissues. pp. 121–6, 202. Hallowes RC, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

Effect of age on uterine surface ultrastructure. pp. 359–66. Steger RW, et al. **In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.**

An ultrastructural study of implantation in the golden hamster. I. Loss of the zona pellucida and initial attachment to the uterine epithelium. Parkening TA. **J Anat** 121(1):161–84, Feb 76

Scanning electron microscopic study of the porcine oviduct and uterus. Wu AS, et al. **J Anim Sci** 42(4):804–9, Apr 76

Epithelial autolysis during implantation of the mouse blastocyst: an ultrastructural study. El-Shershaby AM, et al. **J Embryol Exp Morphol** 33(4):1067–80, Jul 75

Proceedings: Preliminary investigation into uterine epithelial cell types using cluster analysis. Stanton JH. **J Reprod Fertil** 46(2):510–1, Mar 76

Polyploidy in the human myometrium. van der Heijden FL, et al. **Z Mikrosk Anat Forsch** 89(1):18–26, 1975

[Ultrastructural changes in muscle cells of the rat uterus during pregnancy] Prinz U, et al. **Verh Anat Ges** 69:749–53, 1975 (Eng. Abstr.) **(Ger)**

[Localization of $Ca2+$ in the smooth muscle and glandular cells of the rabbit uterus] Khomutovskiĭ OA, et al. **Ukr Biokhim Zh** 48(2):144–7, Mar-Ap. 76 (Eng. Abstr.) **(Ukr)**

UTILIZATION REVIEW

The use of utilization review records as a source of data on nursing home care. Kane RL, et al. **Am J Public Health** 66(8):778–82, Aug 76

Formal quality-assessment and utilization-review programs: their effects on the basic transactions of medical education. Magraw RM. **Bull NY Acad Med** 52(1):105–18, Jan 76

Under and over demand and the use of personal health services: the problem of differential accessibility. Pereda C. **Ethics Sci Med** 3(2):107–28, Jul 76

Automated utilization review is timely, accurate, efficient. Schmitz HH, et al. **Hosp Prog** 57(7):73–7, 98, Jul 76

Constructing a conceptual model of drug utilization review. Brodie DC, et al. **Hospitals** 50(6):143–4, 146, 148 passim, 16 Mar 76

Simplified method costs only 23 cents per patient day. Dague J, et al. **Hospitals** 49(19):51–5, 1 Oct 75

Day surgery: hospital-based unit improves utilization. Hawthorne DD. **Hospitals** 49(19):62–5, 1 Oct 75

Computerization aids utilization review. Holbrook FK. **Hospitals** 49(17):53–5, 1 Sep 75

To review or not to review: that is not the question. Newmark GL. **Hospitals** 50(2):20, 16 Jan 76

Patient care review: two-tiered UR process proposed. Newmark GL. **Hospitals** 50(10):32, 16 May 76

Interim guidelines issued for UR compliance. Newmark GL. **Hospitals** 50(14):31, 16 Jul 76

The role of the predischarge patient conference. Schneider JF, et al. **Ill Med J** 148(2):147–9, Aug 75

Case mix and resource use. Thompson JD, et al. **Inquiry** 12(4):300–12, Dec 75

Model screening criteria for the review of surgical procedures and associated care rendered by podiatrists. July 1975. **J Am Podiatry Assoc** 65(12):1143–80, Dec 75

Podiatrists and PSROs. Bauer W. **J Am Podiatry Assoc** 65(12):1137–42, Dec 75

Components of the PSRO review system in short-stay hospitals. Fielding JE, et al. **J Am Podiatry Assoc** 65(12):1118–22, Dec 75

Medical necessity. Johnstone J Jr. **J La State Med Soc** 128(3):65–75, Mar 76

Health care delivery in Maine, III: evaluating the level of hospital performance. Wennberg JE, et al. **J Maine Med Assoc** 66(11):298–306, Nov 75

Hospital utilization review under Medicare. Huff JW. **J Med Assoc Ga** 64(8):322–3, Aug 75

Utilization review, attempted suicide, and involuntary hospitalization. Kirstein L, et al. **J Nerv Ment Dis** 163(2):102–7, Aug 76

Letter: Utilization review coordinator. Boyle DA. **JAMA** 236(13):1453, 27Sep 76

Review coordinator. A new job or a new profession? Crawshaw R. **JAMA** 235(25):2721–2, 21 Jun 76

Pay the peers. Utilization review with a team approach and payment of physician reviewers. Tom BC, et al. **JAMA** 235(7):738–41, 16 Feb 76

The reliability and application of clinical judgment in evaluating the use of hospital beds. Rosser RM, et al. **Med Care** 14(1):39–47, Jan 76

Characteristics of patients and care provided in health-related and skilled nursing facilities. Zimmer JG. **Med Care** 13(12):992–1010, Dec 75

Tempers rise but costs go down. Steele MM. **Mod Health Care** 5(5):16U–16W, May 76

Criteria and all that. Fielding JE. **Pediatrics** 57(4):439–41, Apr 76

Editorial: Wither utilization review? Goldowsky SJ. **RI Med J** 59(1):25, 32, Jan 76

Quality assurance: the cost of utilization review and the educational value of medical audit in a university hospital. McSherry CK. **Surgery** 80(1):122–9, Jul 76

UTOPIAS

On mourning, immortality, and utopia. Pollock GH. **J Am Psychoanal Assoc** 23(2):334–62, 1975

Therapy as applied utopian politics. Breggin PR. **Ment Health Soc** 1(3–4):129–46, 1974

UTRICLE see under **LABYRINTH**

UVA URSI

ANALYSIS

[Evaluation of phenolic substances in Arctostaphylos uva ursi. II. Determination of arbutin in the crude drug] Leifertová I, et al. **Cesk Farm** 24(3):121–4, Apr 75 (Eng. Abstr.) **(Cze)**

[Evaluation of phenolic substances in Arctostaphylos uva ursi L. III. Hydroquinone determination in leaves during the vegetation period] Leifertová I, et al. **Cesk Farm** 24(4–5):197–200, Jun 75 (Eng. Abstr.) **(Cze)**

UVEA

Biomicroscopical choroidoscopy (uveoscopy) and transillumination gonioscopy. Cohen SW, et al. **Arch Ophthalmol** 94(9):1618–21, Sep 76

Multilobed uveal melanoma masquerading as postoperative choroidal detachment. Shields JA, et al. **Br J Ophthalmol** 60(5):386–9, May 76

Malignant melanomas of the uveal tract in children and young adults. Leonard BC, et al. **Can J Ophthalmol** 10(4):441–9, Oct 75

[Level of certain metalloproteins of blood in development and treatment of neoplasms of the uveal tract] Shkromida MI, et al. **Oftalmol Zh** 30(3):194–6, 1975 (Eng. Abstr.) **(Rus)**

[Activity of lactate dehydrogenase in ocular fluids of patients with malignant melanoma of the uvea] Luptáková M, et al. **Cesk Oftalmol** 31(6):389–93, Nov 75 (Eng. Abstr.) **(Slo)**

[Preventive actinotherapy after enucleation of the eye for malignant uveal melanoma] Oláh Z, et al. **Cesk Oftalmol** 31(6):394–7, Nov 75 (Eng. Abstr.) **(Slo)**

ANALYSIS

[Studies on the substances with biological activity in uveal tissues (author's transl)] Fujiwara H. **Acta Soc Ophthalmol Jpn** 79(10):1375–81, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

[The state of circulation in the central artery of the retina and uveal tract in diabetes mellitus] Islambekov RK, et al. **Probl Endokrinol (Mosk)** 21(6):28–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Humoral and cellular immune response to uveal and joint tissue antigens. Thonar EJ. **Mod Probl Ophthalmol** 16:111–6, 1976

Demonstration of cell-mediated immunological reactivity to transplantation antigens in uveo-retinal tissues. Uthoff D, et al. **Mod Probl Ophthalmol** 16:59–61, 1976

The role of uveal and retinal antigens in experimental autoimmune ocular pathology. Wacker WB, et al. **Mod Probl Ophthalmol** 16:12–20, 1976 (15 ref.)

[Role of antibodies to uveal tissue in the pathogenesis and diagnosis of uveitis] Zaĭtseva NS, et al. **Oftalmol Zh** 30(3):200–3, 1975 (Eng. Abstr.) **(Rus)**

INNERVATION

[Histochemical methods of catecholamine fluorescence in the study of the adrenergic mechanism of eye tissues] Jabloński J. **Klin Oczna** 46(3):273–9, Mar 76 (Eng. Abstr.) **(Pol)**

METABOLISM

Correlation between degree of malignancy and the radioactive phosphorus uptake test in ocular melanomas. Char DH, et al. **Am J Ophthalmol** 81(1):71–5, Jan 76

Time and dose for optimum radioactive phosphorus uptake measurement in rabbit uveal melanoma. Ruiz RS, et al. **Am J Ophthalmol** 82(2):218–21, Aug 76

Acid mucopolysaccharides in the outflow apparatus. Grierson I, et al. **Exp Eye Res** 21(5):417–31, Nov 75

Inhibition of uveal prostaglandin transport in experimental uveitis. pp. 213–4. Bito LZ. **In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.**

PATHOLOGY

Ultrastructure of human uveal melanomas cultivated in vitro. Buček J, et al. **Neoplasma** 23(1):109–18, 1976

SURGERY

Trabeculectomy combined with cataract extraction. Jerndal T, et al. **Am J Ophthalmol** 81(2):227–31, Feb 76

Modified trabeculectomy incision for c ataract extraction. Rosenbaum LJ. **Ann Ophthalmol** 8(1):95–7, Jan 76

Further experience with trabeculectomy. Schwartz PL, et al. **Ann Ophthalmol** 8(2):207–17, Feb 76

A retrievable suture idea for anterior uveal problems. McCannel MA. **Ophthalmic Surg** 7(2):98–103, Summer 76

[Considerations on the respective indications for goniotomy, trabeculotomy, and trabeculectomy during congenital glaucoma] Goddé-Jolly D, et al. **Bull Soc Ophtalmol Fr** 75(3):269–75, Mar 75 **(Fre)**

[Combined trabeculectomy for pigmentary glaucoma and cataract (apropos of a case)] Peyresblanques J, et al. **Bull Soc Ophtalmol Fr** 75(5–6):673–5, May–Jun 75 **(Fre)**

[Association of trabeculotomies and the argon laser in the surgical treatment of chronic glaucoma] Sourdille P. **Bull Soc Ophtalmol Fr** 75(3):265–8, Mar 75 **(Fre)**

[Block-excision of intraocular processes. I. Tumors of the anterior uvea (author's transl)] Naumann G. **Klin Monatsbl Augenheilkd** 166(4):436–48, Apr 75 (Eng. Abstr.) **(Ger)**

[Laser trabeculopuncture. III Experiments with rhesus monkeys] Dannheim F, et al. **Ophthalmologica** 173(1):40–8, 1976 (Eng. Abstr.) **(Ger)**

[Laser trabeculopuncture. II. Screen electron mascroscopic findings] Witschel B-M, et al. **Ophthalmologica** 172(1):45–51, 1976 (Eng. Abstr.) **(Ger)**

[Trabeculectomy in postinflammatory secondary glaucoma] Vancea PP, et al. **Rev Chir [Oftalmol]** 20(2):151–4, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

Electron microscopic study on the anterior chamber angles of normal and glaucomatous eyes. Fujinaga Y, et al. **Yonago Acta Med** 19(3):181–7, Dec 75

[Scanning microscopic aspects of the normal and pathological trabeculum. Effect of trabeculotomy] Renard G, et al. **Bull Soc Ophtalmol Fr** 75(9–10):821–6, Sep–Oct 76 (Eng. Abstr.) **(Fre)**

UVEAL DISEASES

CHEMICALLY INDUCED

[Studies on experimental serous choroidopathy. I. Injection of epinephrine near the level of Bruch's membrane (author's transl)] Sakata H. **Acta Soc Ophthalmol Jpn** 79(12):1845–51, 10 Dec 75 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Nanophthalmos with uveal effusion. A new clinical entity. Brockhurst RJ. **Arch Ophthalmol** 93(12):1989–99, Dec 75

Unilateral afferent pupillary defects in asymmetric glaucoma. Prywes AS. **Arch Ophthalmol** 94(8):1286–8, Aug 76

DIAGNOSIS

Iris nodules in essential iris atrophy. Shields MB, et al. **Arch Ophthalmol** 94(3):406–10, Mar 76

ETIOLOGY

Expulsive choroidal effusion. A complication of intraocular surgery. Ruiz RS, et al. **Arch Ophthalmol** 94(1):69–70, Jan 76

[Late choroidal detachment after i.c. cryoextraction of the lens (author's transl)] Huismans H. **Klin Monatsbl Augenheilkd** 168(05):732–5, May 76 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Diffuse choroidal atrophy] Streicher T, et al. **Cesk Oftalmol** 32(2):136–41, Mar 76 (Eng. Abstr.) **(Slo)**

SURGERY

Fundus oculi & uvea: management of complications accompanying aniridia. Mohamed MAA. **Bull Ophthalmol Soc Egypt** 68:315–25, 1975

THERAPY

[Cryoapplication in a case of subconjunctival iris prolapse after cataract extraction (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 167(5):719–22, Nov 75 (Eng. Abstr.) **(Ger)**

UVEITIS

[Complicated heterochromia iridis (FUCHS)] Velický J. **Cesk Oftalmol** 31(4):282–5, Jul 75 (Eng. Abstr.) **(Cze)**

[State of the vessels of the retina in inflammatory diseases of the uvea] Pen'kov MA, et al. **Oftalmol Zh** 30(7):528–31, 1975 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Positive FTA-ABS tests in subjects with corticosteroid-induced uveitis. Shin DH, et al. **Am J Ophthalmol** 82(2):259–60, Aug 76

COMPLICATIONS

Acute eosinophilic interstitial nephritis and renal failure with bone marrow-lymph node granulomas and anterior uveitis. A new syndrome. Dobrin RS, et al. **Am J Med** 59(3):325–33, Sep 75

Complications of chronic cyclitis. Smith RE, et al. **Am J Ophthalmol** 82(2):277–82, Aug 76

Lysophosphatidyl choline and cataracts in uveitis. Cotlier E, et al. **Arch Ophthalmol** 94(7):1159–62, Jul 76

Herpes simplex uveitis in zoster ophthalmicus. Dhir SP, et al. **Indian J Ophthalmol** 23(1):39–41, Apr 75

Acanthamoeba polyphaga keratitis and Acenthamoeba uveitis associated with fatal meningoencephalitis. Jones DB, et al. **Trans Ophthalmol Soc UK** 95(2):221–32, Jul 75

[Fuchs' uveosis and pigmental retinopathy] Cordier J, et al. **Bull Soc Ophtalmol Fr** 74(5–6):677–9, May–Jun 74 **(Fre)**

[Coincidence or syndrome? Unusual association in the same patient: chronic torpid uveitis with pigmentary pseudo-retinopathy, cutaneous elastoidosis and rheumatismal periarthritis] Heinrich MR. **Bull Soc Ophtalmol Fr** 75(4):479–85, Apr 75 **(Fre)**

[Macular changes in inflammatory diseases of the uvea and in the hypertension syndrome] Witmer R. **Ber Dtsch Ophthalmol Ges** (73):551–61, 1975 **(Ger)**

[A case of primary reticulum cell sarcoma of the brain with uveitis (author's transl)] Maekawa K, et al. **Neurol Surg (Tokyo)** 3(11):955–9, 10 Nov 75 (Eng. Abstr.) **(Jpn)**

[Case of recurrent uveitis in the course of erythema nodosum in a young woman] Tybulczuk-Węgierkowa I. **Klin Oczna** 46(3):323–5, Mar 76 **(Pol)**

[Difficulties attending the treatment of secondary inflammatory glaucoma] Wieszczyczyńska M. **Klin Oczna** 45(9):1011–5, Sep 75 (Eng. Abstr.) **(Pol)**

[Genetic aspects of uveitic glaucoma] Călugăru M, et al. **Rev Chir [Oftalmol]** 19(1):9–15, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

CONGENITAL

[Case of congenital acute bilateral keratouveitis] Legon'kikh ZM. **Vopr Okhr Materin Det** 19(3):82, Mar 74 **(Rus)**

DIAGNOSIS

Serum lysozyme in sarcoid uveitis. Weinberg RS, et al. **Am J Ophthalmol** 82(1):105–8, Jul 76

Vogt-Koyanagi-Harada syndrome. A report of two cases with uveomeningoencephalic symptoms. Awan AM. **East Afr Med J** 52(10):544–50, Oct 75

Discussion on immunological tests in uveitis. **Mod Probl Ophthalmol** 16:279–84, 1976

Considerations on the value of allergic cutaneous tests in the diagnosis of uveitis and its therapeutic management. Algan B, et al. **Mod Probl Ophthalmol** 16:265–6, 1976

[Vogt-Koyanagi syndrome (apropos of a case)] Deodati MF, et al. **Bull Soc Ophtalmol Fr** 74(9–10):945–7, Sep–Oct 74 **(Fre)**

[Pseudo-inflammatory forms of pigmented tumors of the uvea in the posterior pole. Discussion of 2 cases] Risse JF, et al. **Bull Soc Ophtalmol Fr** 74(5–6):689–97, May–Jun 74 **(Fre)**

[Diagnosis of Vogt-Koyanagi-Harada-syndrome (uveoencephalitis) (author's transl)] Sundmacher R. **Klin Monatsbl Augenheilkd** 166(4):540–6, Apr 75 (Eng. Abstr.) **(Ger)**

[Some peculiarities of the Fogt-Kojanagy-Harada syndrome] Shpak NI, et al. **Oftalmol Zh** 30(7):546–8, 1975 **(Rus)**

[Diagnosis of uveitis of viral etiology] Zaĭtseva NS, et al. **Vestn Oftalmol** (6):32–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of aspirin and dexamethasone on intraocular pressure in primary uveitis produced by Herpes simplex virus. Marsettio M, et al. **Am J Ophthalmol** 81(5):636–41, May 76

Editorial: Immunosuppressive treatment for uveitis. **Br J Ophthalmol** 59(8):395–6, Aug 75

Immunosuppressives in uveitis. A preliminary report of experience with chlorambucil. Dinning WJ, et al. **Br J Ophthalmol** 59(8):397–403, Aug 75

A chromosome study of patients with uveitis treated with chlorambucil. Reeves BR, et al. **Br Med J** 4(5987):22–3, 4 Oct 75

Discussion on immunosuppressive therapy. **Mod Probl Ophthalmol** 16:324–7, 1976

Immunosuppressive treatment of uveitis. Nozik RA, et al. **Mod Probl Ophthalmol** 16:305–8, 1976

Rational management of uveitis. Ancker E, et al. **S Afr Med J** 50(9):286–8, 28Feb 76

[Vogt-Koyanagi-Harada syndrome and cortisone] Lugossy G. **Bull Mem Soc Fr Ophtalmol** (87):44–6, 1976 **(Fre)**

[Problems and failures of corticotherapy in uveitis] Martenet AC. **Bull Mem Soc Fr Ophtalmol** (87):35–7, 1976 **(Fre)**

[Results of immunosuppression by cytostatics in ophthalmology] Martenet AC. **Ophthalmologica**

172(2–3):106–15, 1976 (Fre)
[Inflammations of the uvea and retina] Fechner PU. **Buech Augenarzt** 67(0):245–59, 1976 (Ger)

ENZYMOLOGY

Intraocular lysozyme in experimental uveitis in rabbits: aqueous and vitreous assay. Stainer GA, et al. **Invest Ophthalmol** 15(4):312–15, Apr 76
Aqueous and serum lysozyme values in experimental uveitis in rabbits. Tessler HH, et al. **Invest Ophthalmol** 14(12):953–6, Dec 75

ETIOLOGY

Uveitis and reticulum cell sarcoma of brain with bilateral neoplastic seeding of vitreous without retinal or uveal involvement. Minckler DS, et al. **Am J Ophthalmol** 80(3 Pt 1):433–9, Sep 75
Simultaneous bacterial endophthalmitis and sympathetic uveitis after retinal detachment surgery. Pusin SM, et al. **Am J Ophthalmol** 81(1):57–61, Jan 76
Induction of chronic lethal Australia antigen hepatitis in mice. Johnson LA, et al. **Am J Pathol** 82(01):85–100, Jan 76
Anterior uveitis and leptospirosis. David R, et al. **Ann Ophthalmol** 8(8):958–62, Aug 76
Postpartum uveitis. Hyman BN. **Ann Ophthalmol** 8(6):677–80, Jun 76
A clinical approach to the aetiology of uveitis in Bantu adults. Freedman J. **Br J Ophthalmol** 60(1):64–9, Jan 76
Mixed uveitis; pars planitis: report of a case. Labib MAM, et al. **Bull Ophthalmol Soc Egypt** 68:333–6, 1975
The dental focal infection as an origin for uveitis. Sela M, et al. **Isr J Dent Med** 24:31–5, Jan 75
Isolated uveitis – relationship with ankylosing spondylitis and Reiter's syndrome. Amor B. **Mod Probl Ophthalmol** 16:225–7, 1976
The influence of subconjunctival depot corticosteroid on choroidal detachment following retinal detachment surgery. Burton TC, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP845–9, Nov–Dec 75
Recurrent suppurative kerato-uveitis with loss of eye due to infection by Acanthamoeba castellani. Jones BR, et al. **Trans Ophthalmol Soc UK** 95(2):210–3, Jul 75
Uveitis in relation to connective tissue disease. Maumenee AE. **Trans Ophthalmol Soc UK** 94(3):807–16, Sep 74
The changing characteristics of herpes zoster keratouveitis. Thygeson P. **Trans Pac Coast Otoophthalmol Soc** 55:129–36, 1974
[Loaiasis and posterior uveitis. Apropos of a case] Garin JP, et al. **Acta Trop (Basel)** 32(4):384–8, 1975 (Fre)
[Role of urinary infection in the etiology of uveitis] Bridel R, et al. **Bull Soc Ophtalmol Fr** 74(7–8):733–7, Jul–Aug 74 (Fre)
[Bilateral uveitis of multiple etiologies] Cazenave P, et al. **Bull Soc Ophtalmol Fr** 75(5–6):643–8, May–Jun 75 (Fre)
[Rare complication of tonsillitis: hypopyonal panuveitiis. A propos of a case] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 75(5–6):692–5, May–Jun 75 (Fre)
[Letter: HLA B27 tissular antigen in patients with acute anterior uveitis. Preliminary results] Saraux H, et al. **Nouv Presse Med** 5(19):1257, 8 May 76 (Fre)
[Bilateral Candida albicans endophthalmitis in Candida septicemia] Gdal-on M, et al. **Harefuah** 89(8):351–3, 15 Oct 75 (Eng. Abstr.) (Heb)
[Uveitis with cytomegalic inclusions in adults] Leibovici M, et al. **Rev Chir [Oftalmol]** 19(4):279–82, Oct–Dec 75 (Eng. Abstr.) (Rum)
[Bilateral recurrent uveitic manifestations in a case of ophthalmoneuromyelitis] Popescu MP, et al. **Rev Chir [Oftalmol]** 20(2):127–31, Apr–Jun 76 (Eng. Abstr.) (Rum)
[Characteristics of clinical course of allergic uveitis of streptococcal etiology] Shpak NI, et al. **Oftalmol Zh** 30(5):327–31, 1975 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Inheritance of acute anterior uveitis and HL-A antigen 27. Saari M, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 198(1):1–5, 16 Jan 76
Heerfordt's syndrome in two sisters. Snell NJ, et al. **Br Med J** 4(5999):731–2, 27 Dec 75
Familial arthropathy with rash, uveitis and mental retardation. Ansell MB, et al. **Proc R Soc Med** 68(9):584–5, Sep 75

IMMUNOLOGY

HL-A 27 antigen associated with uveitis and ankylosing spondylitis in a family. Scharf J, et al. **Am J Ophthalmol** 82(1):139–40, Jul 76
Cellular hypersensitivity in rheumatoid arthritis, ankylosing spondylitis, and anterior nongranulomatous uveitis. Thonar EJ, et al. **Arthritis Rheum** 19(3):539–44, May–Jun 76
Immunoglobulins in endogenous uveitis. Norn MS. **Br J Ophthalmol** 60(4):299–301, Apr 76
Demonstration of macrophage chemotactic factors in the aqueous humor during experimental immunogenic uveitis in rabbits. Sher NA, et al. **Infect Immun** 13(4):1110–6, Apr 76
Editorial: What's new in uveitis. Schlaegel TF Jr. **Invest Ophthalmol** 15(2):79–81, Feb 76
Round table and general discussion on aspects of autoimmune mechanisms in uveitis. **Mod Probl Ophthalmol** 16:137–54, 1976
Standardization of an experimental immune uveitis in the rabbit for topical testing of drugs. Bonnet P, et al. **Mod Probl Ophthalmol** 16:285–304, 1976
Lymphocyte transformation test in uveal pathology. Campinchi R, et al. **Mod Probl Ophthalmol** 16:244–7, 1976
Some remarks on the immunopathology of toxoplasmic uveitis. Desmonts G. **Mod Probl Ophthalmol** 16:228–32, 1976 (7 ref.)
Experimental autoimmune uveo-retinitis and specificity of retinal antigens. Faure JP, et al. **Mod Probl Ophthalmol** 16:21–9, 1976
Immunological aspects of uveitis in Bantu-speaking Negroes of South Africa. Freedman J. **Mod Probl Ophthalmol** 16:248–53, 1976
Sensitizing capacity of syngeneic, allogeneic and xenogeneic ocular tissue. Effect on intact and injured rat eyes. Friedrich-Wirth C, et al. **Mod Probl Ophthalmol** 16:72–4, 1976
Nonspecific immune parameters and hepatitis B antigens in patients with uveitis. Grob PJ, et al. **Mod Probl Ophthalmol** 16:254–8, 1976
The third component of complement (C'3) level in patients with uveitis. Koliopoulos J, et al. **Mod Probl Ophthalmol** 16:239–43, 1976
Experimental uveitis induced by prostatic antigens. Koliopoulos J, et al. **Mod Probl Ophthalmol** 16:117–24, 1976
Comparison of cell-mediated immune reactions in sympathetic and phacogenic ophthalmia with reactions in uveitis of other origin. Kraus-Mackiw E, et al. **Mod Probl Ophthalmol** 16:106–10, 1976
The propensity of different strains of guinea pigs to develop experimental autoimmune uveitis. McMaster PR, et al. **Mod Probl Ophthalmol** 16:62–71, 1976
Immunological aspects of viral uveitis. Martenet AC. **Mod Probl Ophthalmol** 16:215–9, 1976 (17 ref.)
Experimental allergic uveitis: induction by retinal rod outer segments and pigment epithelium. Meyers RL. **Mod Probl Ophthalmol** 16:41–50, 1976
Immunological studies on Behçet's and Harada's diseases. I. Cell-mediated immunity in Behçet's and Harada's diseases. II. HL-A antigens associated with Behçet's disease. Sugiura S, et al. **Mod Probl Ophthalmol** 16:267–78, 1976
History of immunology of uveitis. Witmer R. **Mod Probl Ophthalmol** 16:8–11, 1976
Letter: Sugar, cereals and sharks. Ohno S, et al. **N Engl J Med** 295(14):788, 30 Sep 76
Letter: HLA and Vogt-Koyanagh-Harada syndrome. Tagawa Y, et al. **N Engl J Med** 295(3):173, 15 Jul 76
HL-A27 and anterior uveitis. Woodrow JC, et al. **Tissue Antigens** 6(3):116–20, Sep 75
HLA-D antigen of Japanese origin (LD-Wa) and its association with Vogt-Koyanagi-Harada syndrome. Yakura H, et al. **Tissue Antigens** 8(1):35–42, Jul 76
The histocompatibility antigen (HL-A 27) and acute anterior uveitis. Brewerton DA. **Trans Ophthalmol Soc UK** 94(3):735–41, Sep 74
Immunogenic uveitis. Wherein it is demonstrated that the cure may sometimes be worse than the disease. Silverstein AM. **Trans Ophthalmol Soc UK** 94(2):496–517, Jul 74 (32 ref.)
[Identification of antibody-producing cells in peripheral lymphocytes of Vogt-Koyanagi-Harada's syndrome with immunocyte adherence (rosette-formation) technique (author's transl)] Yuasa T, et al. **Acta Soc Ophthalmol Jpn** 79(10):1389–92, 10 Oct 75 (Eng. Abstr.) (Jpn)
[Oxidative activity of blood serum ceruloplasmin in patients with pulmonary tuberculosis and eye diseases exhibiting delayed reactivity to dinitrofluorobenzene] Drozdowska S, et al. **Klin Oczna** 45(7):807–9, Jul 75 (Eng. Abstr.) (Pol)
[Autoimmune experimental uveitis] Grigorescu R, et al. **Rev Chir [Oftalmol]** 20(2):95–6, Apr–Jun 76 (Eng. Abstr.) (Rum)
[Allergomicrobial factors in the pathogenesis of secondary experimental uveitis of the delayed type] Vasinca M. **Rev Chir [Oftalmol]** 19(1):17–22, Jan–Mar 75 (Eng. Abstr.) (Rum)
[Role of antibodies to uveal tissue in the pathogenesis and diagnosis of uveitis] Zaĭtseva NS, et al. **Oftalmol Zh** 30(3):200–3, 1975 (Eng. Abstr.) (Rus)
[The significance of toxoplasma infections in eye diseases in Turkey] Ozcan K. **Mikrobiyol Bul** 9(4):281–90, Oct 75 (Eng. Abstr.) (Tur)

METABOLISM

Inhibition of uveal prostaglandin transport in experimental uveitis. pp. 213–4. Bito LZ. **In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.**
Release of prostaglandin-like activity in ocular inflammation. pp. 211–2. Eakins KE. **In: Kahn RH, Lands WE, ed. Prostaglandins and cyclic AMP. New York, Academic Press, 1973. QU 90 S991p 1972.**
[Biochemical shifts in experimental uveitis as a guideline for clinical studies] Kovalevskiĭ EI, et al. **Vestn Oftalmol** (6):35–8, Nov–Dec 75 (Eng. Abstr.) (Rus)

PATHOLOGY

Adult cytomegalovirus inclusion retino-uveitis. Chumbley LC, et al. **Am J Ophthalmol** 80(5):807–16, Nov 75
Optic disk neovascularization associated with chronic uveitis. Shorb SR, et al. **Am J Ophthalmol** 82(2):175–8, Aug 76

PHYSIOPATHOLOGY

Inhibition of prostaglandin E release by anti-inflammatory steroids. Floman Y, et al. **Prostaglandins** 11(3):591–4, Mar 76

PREVENTION & CONTROL

[Efficacy of prednisolone in postoperative uveitis. Comparative study of the effect of oxyphenylbutazone and prednisolone administered after cataract extraction] Witmer R, et al. **Bull Mem Soc Fr Ophtalmol** (87):47–9, 1976 (Fre)

SURGERY

The fate of experimental corneal grafts in herpetic keratitis and keratouveitis. Wind CA, et al. **Invest Ophthalmol** 14(12):917–22, Dec 75

THERAPY

[Cryotherapy and pars-planitis] Haut J, et al. **Bull Soc Ophtalmol Fr** 74(12):1133–6, Dec 74 (Fre)

VETERINARY

Problem-oriented ophthalmology. Part 2. Anterior uveitis. Schmidt GM. **Mod Vet Pract** 57(7):516–20, Jul 76

UVEOMENINGOENCEPHALITIC SYNDROME see under **UVEITIS**

UVEOPAROTID FEVER see under **SARCOIDOSIS**

UVULA

[Plasmacytoma of the uvula] Nawrocki A, et al. **Otolaryngol Pol** 30(1):67–8, 1976 (Pol)

ABNORMALITIES

[Sedlačková's syndrome] Bogdan C. **Rev Chir [Otorinolaringol]** 20(2):81–6, Apr–Jun 75 (Eng. Abstr.) (Rum)

SURGERY

Hereditary angioneurotic edema treated by partial uvulectomy. Waeckerle JF, et al. **JACEP** 5(6):446–8, Jun 76

VACCINATION

Proceedings: Rubella surveillance and vaccination at adolescence. Rauh JL, et al. **Acta Paediatr Scand [Suppl]** (256):27–8, 1975
Letter: Vaccination records. Fraikor AL. **Am Fam Physician** 13(1):29–30, Jan 76
Evaluation of a measles-smallpox vaccination campaign by a sero-epidemiologic method. Breman JG, et al. **Am J Epidemiol** 102(6):564–71, Dec 75
Basic principles and stages in testing new vaccines against respiratory viruses. Zykov MP, et al. **Am Rev Respir Dis** 113(1):61–6, Jan 76
Immunization against recurrent otitis media. Howie VM, et al. **Ann Otol Rhinol Laryngol** 85(2 Suppl 25 Pt 2):254–8, Mar–Apr 76
Antibody response in sows following intramammary or intramuscular immunization with a killed Escherichia coli vaccine. Watson DL. **Aust J Exp Biol Med Sci** 53(4):305–13, Aug 75
Studies on veneral transmission of Campylobacter fetus by immunised bulls. Clark BL, et al. **Aust Vet J** 51(11):531–2, Nov 75
Vaccination of lambs against infection with Taenia ovis. Rickard MD, et al. **Aust Vet J** 52(5):209–14, May 76
Attenuated vaccines against bovine ephemeral fever. Spradbrow PB. **Aust Vet J** 51(10):464–8, Oct 75
Chemoimmunotherapy in human and experimental leukemia. Bekesi JG, et al. **Bibl Haematol** (43):524–5, Oct 75
Immunological tumor prevention of Marek's diseases by plasma membrane vaccines. Kaaden OR, et al. **Bibl Haematol** (43):78–80, Oct 75
Experiments to vaccinate marmoset monkeys against malignant lymphoma. Laufs R, et al. **Bibl Haematol** (40):357–66, 1975
Studies on live rubella vaccine. VI. Seroepidemiological surveillance and immunization of adolescents in high school. Minekawa Y, et al. **Biken J** 18(3):149–54, Sep 75
Marek's disease—the disease and its prevention by vaccination. Biggs PM. **Br J Cancer** 31 SUPPL 2:152–5, Mar 75
Editorial: Influenza vaccination. **Br Med J** 4(5989):125–6, 18 Oct 75
Whooping-cough vaccination. **Br Med J** 4(5990):186–7, 25 Oct 75
Editorial: Control of smallpox. **Br Med J** 1(6003):181–2, 24 Jan 76
Editorial: Vaccination against meningitis. **Br Med J** 1(6015):919–20, 17 Apr 76
Editorial: Vaccination against swine influenza. **Br Med J**

2(6030):265–6, 31 Jul 76
Immunisations. Downham MA. **Br Med J** 1(6017):1063–6, 1 May 76
Letter: Immunisation against whooping cough. Preston NW. **Br Med J** 1(6012):770–1, 27 Mar 76
Letter: Immunisation against whooping cough. Stewart GT. **Br Med J** 1(6004):283, 31 Jan 76
Letter: Immunisation against whooping cough. Stewart GT. **Br Med J** 1(6009):583, 6 Mar 76
Progress of the global smallpox eradication programme in 1974. Tomaszunas S. **Bull Inst Marit Trop Med Gdynia** 26(3–4):407–14, 1975
Antibody response in the intestinal secretions of volunteers immunized with various cholera vaccines. Ganguly R, et al. **Bull WHO** 52(3):323–30, 1975
Experimental study of the role of inactivated vaccine in two-step vaccination against smallpox. Marennikova SS, et al. **Bull WHO** 52(1):51–6, 1975
Letter: Dental caries vaccination. Lavelle CL. **Can Med Assoc J** 114(4):304, 21 Feb 76
Preventive vaccination against Herpesvirus saimiri-induced neoplasia. Ablashi DV, et al. **Cancer Res** 36(2 pt 2):701–3, Feb 76 (41 ref.)
Further immunization studies with mammary tumor virus. Charney J, et al. **Cancer Res** 36(2 pt 2):777–80, Feb 76
Implications of a vaccine for the prevention of Epstein–Barr virus infection: ethical and logistic considerations. Epstein MA. **Cancer Res** 36(2 pt 2):711–4, Feb 76
Vaccination of nonhuman primates with killed oncogenic herpesviruses. Laufs R, et al. **Cancer Res** 36(2 pt 2):704–6, Feb 76
Approaches to immunological control of virus-associated tumors in man: introductory remarks. Levine PH. **Cancer Res** 36(2 pt 2):565–9, Feb 76
Immunological control of virus-associated tumors in man: a perspective. Levine PH. **Cancer Res** 36(2 pt 2):867–9, Feb 76
Immunological control of cervical cancer: discussion. Melnick JL. **Cancer Res** 36(2 pt 2):859–60, Feb 76
Immunization against feline oncarnavirus disease using a killed tumor cell vaccine. Olsen RG, et al. **Cancer Res** 36(10):3642–6, Oct 76
Growth control of heterologous tissue culture cells in the congenitally athymic nude mouse. Stiles CD, et al. **Cancer Res** 36(4):1353–60, Apr 76
Experimental oncornavirus vaccines in the cat. Yohn DS, et al. **Cancer Res** 36(2 pt 2):646–51, Feb 76
Research and development of unconventional systems for immunization. Konnerup NM, et al. **Dev Biol Stand** 33:27–8, 1976
Vaccination by non-parenteral routes: characteristics of immune response. Ogra PL, et al. **Dev Biol Stand** 33:19–26, 1976
Experiments with a model of aerosol immunization of mice and swine against Erysipelothrix insidiosa (E. i.). Petzoldt K, et al. **Dev Biol Stand** 33:57–62, 1976
Clinically diagnosed poliomyelitis in a presumably vaccinated population. El-Deeb H, et al. **Gaz Egypt Paediatr Assoc** 23(2):161–6, Apr 75
Study of the pattern of Widal test in infants and children. III. Effect of T.A.B., diphtheria tetanus, pertussis and measles vaccinations on the level of enteric fever agglutinins. Hassanein F, et al. **Gaz Egypt Paediatr Assoc** 23(2):181–7, Apr 75
Basal cell epithelioma in smallpox vaccination scar–fifty years later. Kulwin MH. **Ill Med J** 148(6):612–3, Dec 75
Merozoite vaccination against Plasmodium knowlesi malaria. Mitchell GH, et al. **Immunology** 29(2):397–407, Aug 75
Immune response to modified tumor cells. pp. 524–40. Prager MD.
In: Cellular membranes and tumor cell behavior. Baltimore, Williams & Wilkins, 1975. W3 SY5177 1975c.
Immunization against cholera: present status and prospects. pp. 131–4. Barua D.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.
Anti–cholera vaccination. pp. 135–8. Cimmino A.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.
IV. Prospects for polysaccharide vaccines for other encapsulated bacteria. Immunization against typhoid fever and prospects for a purified polysaccharide vaccine. pp. 109–14. Wong KH, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.
Some notes on smallpox eradication. Majid MA. **Indian J Public Health** 19(1):50–2, Jan–Mar 75
Trial of prototype hypospray jet injector for TAB inoculation. Vadhera KK, et al. **Indian J Public Health** 19(2):90–5, Apr–Jun 75
Smallpox and BCG vaccination in the newborn: follow up study. Desai AB, et al. **Indian Pediatr** 12(4):335–8, Apr 75
Aerosol vaccination of mice with a live, temperature-sensitive recombinant influenza virus. Jemski JV, et al. **Infect Immun** 13(3):818–24, Mar 76
Indigenous microorganisms prevent reduction in cecal size induced by Salmonella typhimurium in vaccinated gnotobiotic mice. Tannock GW, et al. **Infect Immun** 13(1):172–9, Jan 76
Vaccination against feline leukaemia virus using a cell membrane antigen system. Jarrett W, et al. **Int J Cancer** 16(1):134–41, 15 Jul 75
Monitoring communicable disease: vaccination programmes. Miller DL. **Int J Epidemiol** 5(1):45–50, Mar 76
Experiences from vaccination and revaccination of teenage girls with three different rubella vaccines. Böttiger M, et al. **J Biol Stand** 4(2):107–14, Apr 76
Vaccination of infants in their first year of life with split inactivated measles vaccine incorporated in a diphtheriapertussis–tetanus–polio (inactivated) vaccine (DPTP–M), compared with live measles vaccination. Brouwer R. **J Biol Stand** 4(1):13–23, 1976
Clinical evaluation of group A and group C meningococcal polysaccharide vaccines in infants. Gold R, et al. **J Clin Invest** 56(6):1536–47, Dec 75
Detection by radioimmunoassay of antibodies in human smallpox patients and vaccinees. Ziegler DW, et al. **J Clin Microbiol** 1(3):311–7, Mar 75
Immunologic basis for vaccination against dental caries in rhesus monkeys. Lehner T, et al. **J Dent Res** 55 Spec No:C166–80, Apr 76
Contribution to the study of live streptomycin–dependent Salmonella vaccines: the problem of reversion to a virulent form. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):203–14, Oct 75
Experimental model of oral antityphoid vaccination with live streptomycin–dependent Salmonella typhimurium in C57BL/6 mice. Vladoianu IR, et al. **J Hyg (Camb)** 75(2):215–8, Oct 75
A new immunological phenomenon observed in BCG and vole–bacillus–revaccinated persons. Sula L. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):49–53, 1976
Preservation of a T cell–mediated immune response in Marek's disease virus–infected chickens by vaccination with a related virus. Schierman LW, et al. **J Immunol** 116(5):1497–9, May 76
Reactions to rubella vaccine and persistence of antibody in virgin–soil populations after vaccination and wild–virus–induced immunization. Black FL, et al. **J Infect Dis** 133(4):393–8, Apr 76
Immunity in plague: protection induced in Cercopithecus aethiops by oral administration of live, attenuated Yersinia pestis. Chen TH, et al. **J Infect Dis** 133(3):302–9, Mar 76
Human responses to two decavalent rhinovirus vaccines. Hamory BH, et al. **J Infect Dis** 132(6):623–9, Dec 75
Biological properties of the M–44 strain of Coxiella burneti. Johnson JW, et al. **J Infect Dis** 133(3):334–8, Mar 76
Differences in the appearance of antibodies to structural components of measles virus after immunization with inactivated and live virus. Norrby E, et al. **J Infect Dis** 132(3):262–9, Sep 75
Combined pre–immunization and granulocyte transfusion therapy for treatment of pseudomonas septicemia in neutropenic dogs. Harvath L, et al. **J Lab Clin Med** 87(5):840–7, May 76
In vitro destruction of tumor cells by macrophages from mice treated with Corynebacterium granulosum. Bašić I, et al. **J Natl Cancer Inst** 55(3):589–96, Sep 75
Epstein–Barr virus—is it time to develop a vaccine program? Epstein MA. **J Natl Cancer Inst** 56(4):697–700, Apr 76
A killed vaccine derived from the oncogenic Herpesvirus ateles. Laufs R, et al. **J Natl Cancer Inst** 55(3):649–51, Sep 75
Host–parasite relationships of Fasciola hepatica in the white mouse. VII. effects of anti–worm incubate sera on transferred worms and successful vaccination with a crude incubate antigen. Lang BZ. **J Parasitol** 62(2):232–6, Apr 76
Letter: Outreach by primary–care physicians. Cole WM. **JAMA** 235(1):24, 5 Jan 76
Letter: Rubella vaccination. Nitzlin JL. **JAMA** 235(7):704, 16 Feb 76
Letter: Measles vaccination. Ziskin LZ. **JAMA** 235(12):1212, 22 Mar 76
Editorial: Vaccination against hepatitis B. **Lancet** 1(7974):1391, 26 Jun 76
Editorial: Planning for pandemics. **Lancet** 2(7975):25–6, 3 Jul 76
Letter: Whooping–cough vaccination. Bassili WR, et al. **Lancet** 1(7964):863, 17 Apr 76
Letter: Vaccination against tooth decay. Lehner T. **Lancet** 2(7934):557, 20 Sep 75
Parity of women contracting rubella in pregnancy. Implications with respect to rubella vaccination. Marshall WC, et al. **Lancet** 1(7971):1231–3, 5 Jun 76
Immunisation against hepatitis B in man. Maupas P, et al. **Lancet** 1(7974):1367–70, 26 Jun 76
Antibody response to one and two doses of influenza virus subunit vaccine. Feery BJ, et al. **Med J Aust** 1(7):186, 188–9, 14 Feb 76
Antibody responses to influenza virus subunit vaccine in the aged. Feery BJ, et al. **Med J Aust** 1(15):540, 542, 10 Apr 76
Combined diphtheria–tetanus immunization of adults. Trinca JC. **Med J Aust** 2(14):543–6, 4 Oct 75
Letter: Rubella vaccination policies. **N Engl J Med** 294(20):1126–8, 13 May 76
Editorial: Thou shalt be vaccinated. Ingelfinger FJ. **N Engl J Med** 294(19):1060–1, 6 May 76
Benefit–cost analysis of rubella vaccination policy. Schoenbaum SC, et al. **N Engl J Med** 294(6):306–10, 5 Feb 76
Editorial: Influenza–1918, a revisit? Weinstein L. **N Engl J Med** 294(19):1058–60, 6 May 76
Immunization of mice and guinea–pigs against Salmonella dublin infection with live and inactivated vaccine. Cameron CM, et al. **Onderstepoort J Vet Res** 42(2):63–9, Jun 75
Vaccination against herpesviruses. Brunell P. **Pediatrics** 56(4):496–8, Oct 75
Letter: A question on informed consent and measles vaccine. Gorlick G. **Pediatrics** 58(3):466, Sep 76
Vaccination against herpes group viruses. Plotkin SA. **Pediatrics** 56(4):494–6, Oct 75
Dealing with possible rabies exposure. Corey L, et al. **Postgrad Med** 59(3):87–91, Mar 76
Planning for influenza epidemics. Beare AS. **Postgrad Med J** 52(608):409–12, Jun 76
Host defence mechanisms against influenza infection. II. Protection of mice with vaccines against A/Port Chalmers/1/73 and B/Hong Kong/5/72. Ennis FA, et al. **Postgrad Med J** 52(608):338–44, Jun 76
Epidemiological studies concerning choice of population for immunoprophylaxis of influenza. Niculescu IT, et al. **Postgrad Med J** 52(608):405–8, Jun 76
Vaccination in the control of influenza. Smith JW, et al. **Postgrad Med J** 52(608):399–404, Jun 76
Vaccination for international travel. Turner AC. **Practitioner** 215(1287):320–6, Sep 75
Immunization. A continuing need. Falvo CE, et al. **Primary Care** 2(2):209–19, Jun 75
Suppression of murine type–C RNA virogenes by type–specific oncornavirus vaccines: prospects for prevention of cancer. Huebner RJ, et al. **Proc Natl Acad Sci USA** 73(2):620–4, Feb 76
The benefits from 10 years of measles immunization in the United States. Witte JJ, et al. **Public Health Rep** 90(3):205–7, May–Jun 75
A minimum age for measles vaccine administration to coloured children. Dick B, et al. **S Afr Med J** 49(47):1951–4, 8 Nov 75
Vaccination against Plasmodium knowlesi malaria. Brown KN, et al. **Trans R Soc Trop Med Hyg** 69(3):350–3, 1975
A successful campaign against smallpox. **Triangle** 14(2):69–70, 1975
Control of meningococcal meningitis with meningococcal vaccines. Artenstein MS. **Yale J Biol Med** 48(3) '97–200, Jul 75 (16 ref.)
[Experience in immunizing guinea pigs and lambs with D. filaria larvae irradiated with gamma rays] Denev I. **Vet Med Nauki** 11(9):7–12, 1974 (Eng. Abstr.) **(Bul)**
[Health protection of state frontiers and vaccination of persons going abroad and coming to Czechoslovakia] Hajduk F. **Zdrav Aktual** (162):1–90, 1966 **(Cze)**
[Vaccination against herpes simplex] **Ned Tijdschr Geneeskd** 120(8):346–7, 21 Feb 76 **(Dut)**
[Aujezky's disease in the field and vaccination against the disease (author's transl)] Elsinghorst AH, et al. **Tijdschr Diergeneeskd** 101(16):912–7, 15 Aug 76 (Eng. Abstr.) **(Dut)**
[Poultry vaccination against N.C.D. by means of an intramuscular injection with LaSota strain vaccine; a practical investigation (author's transl)] Voeten AC, et al. **Tijdschr Diergeneeskd** 100(16):888–93, 15 Aug 75 (Eng. Abstr.) **(Dut)**
[Immunological prevention of bronchial infectious crisis among the persons suffering from chronic bronchitis. Theoretical bases and practical applications (author's transl)] Voisin C, et al. **Acta Tuberc Pneumol Belg** 66(3):254–66, May–Jun 75 (Eng. Abstr.) **(Fre)**
[Antirabic vaccinations in France in 1974. III. Antirabies vaccinations at the University Center Hospital of Toulouse] Armengaud M. **Ann Microbiol (Paris)** 126B(1):86–8, Jul–Aug 75 **(Fre)**
[Antirabies vaccinations in France in 1974. IV. Antirabies vaccinations at the Pasteur Center of Marseille] Coulange P. **Ann Microbiol (Paris)** 126B(1):89–90, Jul–Aug 75 **(Fre)**
[Antirabies vaccinations in France in 1974. I. Antirabies vaccinations at the Pasteur Institute of Paris] Gamet A, et al. **Ann Microbiol (Paris)** 126B(1):77–82, Jul–Aug 75 **(Fre)**
[Antirabies vaccinations in France in 1974. II. Antirabies vaccinations at the Pasteur Institute of Lyon] Lery L. **Ann Microbiol (Paris)** 126B(1):83–5, Jul–Aug 75 **(Fre)**
[Sectorial study: influenza vaccination] Mermilliod C. **Cah Sociol Demogr Med** 15(2):52–9, Apr–Jun 75 **(Fre)**
[Vaccination against poliomyelitis, measles and mumps] Bonnet F. **Rev Med Liege** 29(13):382–6, 1 Jul 74 **(Fre)**
[Antimicrobial and anti–smallpox vaccinations] Geubelle F. **Rev Med Liege** 29(13):373–81, 1 Jul 74 **(Fre)**
[Vaccinations after childhood] Carbon C, et al. **Sem Hop Ther** 51(1):45–6, Jan 75 **(Fre)**
[Study of the immunity of 3–year–old children in the Province of Quebec] Frappier–Davignon L, et al. **Union Med Can** 104(9):1386–92, Sep 75 (Eng. Abstr.) **(Fre)**
[The use of felidovac in susceptible and infected cats in an animal home] Berger W. **Berl Munch Tieraerztl Wochenschr** 88(24):475–7, 15 Dec 75 (Eng. Abstr.) **(Ger)**
[Letter: Measles vaccination following viral meningitis] Vivell O. **Dtsch Med Wochenschr** 100(40):2059, 3 Oct 75 **(Ger)**
[Effectiveness of vaccination against Chlamydia abortion in sheep] Valder WA, et al. **Dtsch Tieraerztl Wochenschr** 82(6):221–5, 5 Jun 75 (Eng. Abstr.) **(Ger)**
[Investigations on the influence of Rh immunoglobulin prophylaxis on the immune response to postpartum rubella vaccination (author's transl)] Maroni E, et al.

Geburtshilfe Frauenheilkd 35(11):821–5, Nov 75 (Eng. Abstr.) **(Ger)**

[Current news on preventive vaccination of influenza] **Med Monatsschr** 29(11):481–2, Nov 75 **(Ger)**

[Inoculation for tourism (author's transl)] Haas R. **Munch Med Wochenschr** 118(35):1069–74, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Current problems of vaccination, especially in France (author's transl)] Letonturier P. **Munch Med Wochenschr** 117(31):1289–94, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Measles vaccination with split vaccines and living vaccines (author's transl)] Stehr K, et al. **Munch Med Wochenschr** 117(27):1159–64, 4 Jul 75 (Eng. Abstr.) **(Ger)**

[Protection by inocculation and against infection, particularly during holidays and travel to countries with increased risks of infection (author's transl)] Lutz–Dettinger U. **Oeff Gesundheitswes** 38(3):180–8, Mar 76 (Eng. Abstr.) **(Ger)**

[Compulsatory vaccination against smallpox in the German Federal Republic] Spiess H, et al. **Oeff Gesundheitswes** 37(9):577–9, Sep 75 **(Ger)**

[The situation of the compulsary vaccination against smallpox in the F.R. Germany (author's transl)] Stickl H. **Oeff Gesundheitswes** 37(9):582–4, Sep 75 (Eng. Abstr.) **(Ger)**

[Necessary documents for vaccination of dogs and cats in the tourist travel abroad] Grandjean C. **Tieraerztl Prax** 4(2):255–8, 1976 **(Ger)**

[Experiences with rabies vaccination] Rassi D, et al. **Verh Dtsch Ges Inn Med** 81:680–2, 1975 **(Ger)**

[Measles immunization in the Dresden district] Heidel G, et al. **Z Aerztl Fortbild (Jena)** 69(12):624–31, 15 Jun 75 **(Ger)**

[Use of EDP (electronic data processing) in the organization of a vaccination system. Control mechanisms and correction of errors] Heidel G, et al. **Z Gesamte Hyg** 21(2):149–53, Feb 75 (Eng. Abstr.) **(Ger)**

['Vaccination today' is also a model for prevention] **Zahnaerztl Mitt** 65(9):437–9, 1 May 75 **(Ger)**

[Letter: Vaccinations] Stickl H. **ZFA** 52(9):481–2, 31 Mar 76 **(Ger)**

[Vaccination model in guinea pigs against Sticker's tumor] Sindoni L, et al. **Quad Sclavo Diagn** 10(3):321–7, Sep 74 (Eng. Abstr.) **(Ita)**

[Field trial of influenza virus hemagglutinin vaccine (author's transl)] Kimura Y. **Fukuoka Acta Med** 66(5):321–42, May 75 (Eng. Abstr.) **(Jpn)**

[The cytochemistry of phagocytic cells in sensitized animals] Araviĭskiĭ RA. **Arkh Patol** 37(9):16–22, 1975 (Eng. Abstr.) **(Rus)**

[Changes in the concentration of sialic acids in the intestinal tissues of animals immunized with live vaccine against poliomyelitis] Gorshunova LP, et al. **Biull Eksp Biol Med** 81(3):298–9, Mar 76 (Eng. Abstr.) **(Rus)**

[The influence of rabies immunization of gamma–aminobutyric acid metabolism in the brains of animals] Khizhniakova TM, et al. **Biull Eksp Biol Med** 81(2):184–5, Feb 76 (Eng. Abstr.) **(Rus)**

[The relationship between the number of antibody forming cells in the spleens of rats immunized with Sal. typhi O–antigen and the number of background cells producing antibodies to that antigen] Shmuter LM. **Biull Eksp Biol Med** 81(2):201–2, Feb 76 (Eng. Abstr.) **(Rus)**

[Brucellosis protective antigen, its chemical and immunobiological characteristics] Vershilova PA, et al. **Biull Eksp Biol Med** 81(3):333–5, Mar 76 (Eng. Abstr.) **(Rus)**

[Correlation of the time of vaccination, stipulated by the calendar of inoculations, in Vladivostok] Gordeets AV. **Pediatriia** (1):40, Jan 74 **(Rus)**

[Urgent tasks in scientific studies concerning the control of infectious diseases in children] Nosov SD. **Pediatriia** (1):3–10, Jan 76 **(Rus)**

[Clinical course of viral hepatitis in school children, vaccinated and non–vaccinated with gamma–globulin] Podsedlovskiĭ TS, et al. **Pediatriia** (6):37, Jun 75 **(Rus)**

[Characteristics of reactogenic action of a 2–stage method of vaccination against smallpox] Shul'ga LG, et al. **Pediatriia** (1):57–60, Jan 76 (Eng. Abstr.) **(Rus)**

[Epidemiologic characteristics of pertussis in Leningrad (1950––1971)] Kozlova NA. **Tr Leningr Inst Epidemiol Mikrobiol** 39:13–24, 1973 **(Rus)**

[The coures of diphtheritic infection in a vaccinated collective. Kuz'mina EL, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:131–5, 1973 **(Rus)**

[Clinical manifestations of pertussis in children following specific immunization] Shvalko AD. **Tr Leningr Inst Epidemiol Mikrobiol** 39:88–94, 1973 **(Rus)**

[The effectiveness of revaccinating children with pertussis monovaccine in foci of pertussis] Skliarova NN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:77–83, 1973 **(Rus)**

[The effect of immunization with live brucella vaccine on the chromosomal apparatus of healthy donors' leukocytes] Il'inskikh NN. **Tsitol Genet** 8(5):387–90, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

[Study of the chromosomes in the bone marrow cells of mice inoculated subsequently with various vaccines] Milhailova GR, et al. **Tsitol Genet** 9(5):461–1, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Bone marrow cells of mice immunized with different rabies vaccines] Mikhailova GR, et al. **Tsitologiia** 18(2):208–12, Feb 76 (Eng. Abstr.) **(Rus)**

[Current problems of vaccinating children against diphtheria, pertussis and tetanus] Braginskaia VP. **Vestn Akad Med Nauk SSSR** (4):22–7, 1975 (Eng. Abstr.) **(Rus)**

[Theoretical prerequisites for rationalization of specific prophylaxis of infections] Uchitel' IIa. **Vestn Akad Med Nauk SSSR** (4):54–61, 1975 (Eng. Abstr.) **(Rus)**

[Results of and prospects for the elaboration of mass vaccination methods] Vorob'ev AA, et al. **Vestn Akad Med Nauk SSSR** (4):45–54, 1975 **(Rus)**

[Major problems in the organization of specific prophylaxis of poliomyelitis] Votiakov VI, et al. **Vestn Akad Med Nauk SSSR** (4):61–5, 1975 (Eng. Abstr.) **(Rus)**

[Indices of humoral antimeasles postvaccinal immunity] Tikhonova NT, et al. **Vopr Virusol** (3):287–92, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Experience in improving the organization of the inoculation program in a rural locality of Osh Province] Atakhanov KA, et al. **Zdravookhr Kirg** (4):49–52, Jul–Aug 76 **(Rus)**

[Epidemiological and economic evaluation of the effectiveness of immunization with live influenza vaccine during the influenza epidemic of 1971–1973 in the city of Frunze] Zubareva LA, et al. **Zdravookhr Kirg** (3):21–4, May–Jun 76 **(Rus)**

[Organization of the centralized vaccination card catalog and founding of vaccination brigades] Kaldar–Ool RI. **Zdravookhr Ross Fed** (10):41–2, Oct 75 **(Rus)**

[An experimental study of the immunogenicity of Pseudomonas aeruginosa vaccines] Akatova NS. **Zh Mikrobiol Epidemiol Immunobiol** (5):108–13, May 76 (Eng. Abstr.) **(Rus)**

[Several biological properties of the surface antigens of the agent of pseudotuberculosis] Besednova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):100–6, Nov 75 (Eng. Abstr.) **(Rus)**

[An epidemiologic and immunologic study of measles under conditions of massive immunization against that infection] Bolotovskiĭ VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):18–23, Nov 75 **(Rus)**

[Change in the non–specific resistance of the body to influenza and acute respiratory diseases following immunization diphtheria–tetanus vaccine] Burmistrova AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):89–91, 1976 (Eng. Abstr.) **(Rus)**

[Immunogenic properties of Cl. perfringens anatoxins obtained from purified toxins] Dmitrieva LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):134–6, Nov 75 **(Rus)**

[Study of delayed hypersensitivity in animals with varying specific susceptibility to brucellosis when inoculated with vaccinal and virulent Brucella] Grekova NA. **Zh Mikrobiol Epidemiol Immunobiol** (8):146, Aug 75 **(Rus)**

[Trial of the new chemical sorbed typhoid monovaccine P in a strictly controlled experiment] Karpukhin GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):81–6, 1976 (Eng. Abstr.) **(Rus)**

[Connection between the group factors of the blood systems ABO, MNSs, and rhesus and peculiarities of the vaccination process in children immunized against smallpox] Lebedinskiĭ AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):95–100, Dec 75 (Eng. Abstr.) **(Rus)**

[Immunoglobulins and staphylococcal antitoxin in the sera of patients subjected to surgery for acute appendicitis] Nurmanbetora UE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):77–86, Nov 75 (Eng. Abstr.) **(Rus)**

[Active protection of mice against paratyphoid A and B using oral and subcutaneous immunization] Pershin BB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):118–20, Nov 75 **(Rus)**

[Live enteric typhoid vaccine consisting of a Vi–negative double–dependent mutant of S. typhi and a Vi–positive strain of Citrobacter] Pershin BB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):35–40, Jan 76 (Eng. Abstr.) **(Rus)**

[Immunologic reactions in man following oral immunization] Pershin BB. **Zh Mikrobiol Epidemiol Immunobiol** (3):56–9, Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of immunization of pregnant women with staphylococcal toxoid on the immunologic status of the child] Prozorovskaia KN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):101–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Reactogenicity and safety of influenza live dry aerosol vaccine] Romanov VL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):124–5, Apr 76 **(Rus)**

[Immunologic effectiveness of influenza live dry aerosol vaccine] Romanov VL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):122–3, Apr 76 **(Rus)**

[Morphologic reactions in brucella infections in guinea pigs prevaccinated with cellular components of virulent brucellea] Safronova VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):73–6, 1976 (Eng. Abstr.) **(Rus)**

[Improvement of the calendar of immunizations against pertussis, diphtheria and tetanus] Sokhin AA. **Zh Mikrobiol Epidemiol Immunobiol** (3):108–15, 1976 (Eng. Abstr.) **(Rus)**

[The epidemiology and prevention of tetanus in Krasnodar during 1956––1973] Teslina VI. **Zh Mikrobiol Epidemiol Immunobiol** (11):136–7, Nov 75 **(Rus)**

[A morphologic analysis in changes in hypothalamic neurosecretion in immunized animals] Tikhonova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):127, Nov 75 **(Rus)**

[Purification of a protective anthrax preparation] Vylchev V, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):53–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Change in the activity of tissue enzymes in the process of immunoallergic restructing of the body after vaccination. I. Cathepsin and dipeptidase] Zakhar'in IuL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (8):139–40, Aug 75 **(Rus)**

[Immunization of children less than one–year–old against measles] Zetilova LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):116–7, Apr 76 **(Rus)**

[Reactogenic properties and immunologic effectiveness of several series of live Leningrad–16 measles vaccine used for mass immunization of children] Zetilova LP, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):144–5, Jan 76 **(Rus)**

[Study on the value of influenza vaccine before its use for vaccination of a population in one community] Puvaćić Z, et al. **Med Arh** 30(1):15–8, Jan–Feb 76 (Eng. Abstr.) **(Ser)**

[Vaccination of the newborn infant with oral Sabin type I antipoliomyelitic vaccine. Serological study] Banfi A, et al. **Rev Chil Pediatr** 45(6):491–3, 1974 (Eng. Abstr.) **(Spa)**

[Editorial: Compulsory vaccination of children to be abolished] Bengtsson E. **Lakartidningen** 73(7):495, 11 Feb 76 **(Swe)**

[Coordinated vaccination policy in Scandinavia. Common storage of vaccine for smallpox?] **Nord Med** 91(6–7–1):200, Jun 76 **(Swe)**

ADVERSE EFFECTS

Postvaccinial lymphadenitis developing into Hodgkin's disease. Bichel J. **Acta Med Scand** 199(6):523–5, 1976

Letter: Local subcutaneous atrophy following measles, mumps, and rubella vaccination. Buntain WL, et al. **Am J Dis Child** 130(3):335, Mar 76

Unresolved issues in the first five years of the rubella immunization program. Siegel M. **Am J Obstet Gynecol** 124(4):327–32, 15 Feb 76

Letter: Diabetes mellitus after mumps vaccination. Sinaniotis CA, et al. **Arch Dis Child** 50(9):749–50, Sep 75

Reactions and serologic responses to monovalent acetone–inactivated typhoid vaccine and heat–killed TAB when given by jet injection. Edwards EA, et al. **Bull WHO** 51(5):501–5, 1974

Basal–cell epithelioma occurring in a smallpox vaccination scar. Castrow FF, et al. **J Dermatol Surg** 2(2):151–2, May 76

Toxic and reactogenic properties of pertussis bacteria (experimental and clinical studies). Demina AA, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(3):293–304, 1975

Editorial: Rubella vaccine––the risk to the fetus. **Med J Aust** 1(21):771–2, 22 May 76

Flu Sunday for the elderly. Alexander J. **Va Med Mon** 103(6):424–5, Jun 76

[2 cases of vaccinia auto–inoculation] Billet J, et al. **Rev Stomatol Chir Maxillofac** 76(6):477–82, Sep 75 **(Fre)**

[Compensation claims in lesions caused by influenza vaccinations at work] Rieger HJ. **Dtsch Med Wochenschr** 101(17):677–8, 23 Apr 76 **(Ger)**

[Letter: Neurologic complications following influenza vaccination?] Schumm F. **Dtsch Med Wochenschr** 101(18):720–1, 30 Apr 76 **(Ger)**

[Fetal vaccinia (author's transl)] Ricken KH. **Infection** 3(4):209–12, 1975 (Eng. Abstr.) **(Ger)**

[Autistic syndrome (Kanner) and vaccination against smallpox (author's transl)] Eggers C. **Klin Paediatr** 188(2):172–80, Mar 76 (Eng. Abstr.) **(Ger)**

[Purpura fulminans associated with varicella and polyvalent protective inoculations (author's transl)] Stopfkuchen H, et al. **Klin Paediatr** 188(2):190–3, Mar 76 (Eng. Abstr.) **(Ger)**

[Vaccination complications following smallpox and poliomyelitis vaccination and their significance for expert testimony] Seitz D. **Med Welt** 27(14):637–42, 2 Apr 76 **(Ger)**

[What are the hazards of vaccinations in childhood?] Borsche A. **ZFA** 52(13):666–74, 10 May 76 **(Ger)**

[Vaccines and pregnancy] Dagasso DF. **Minerva Ginecol** 28(2):154–62, Feb 76 (Eng. Abstr.) **(Ita)**

[Neuraxitis due to accidental inoculation of a massive subcutaneous dose of smallpox vaccine in a subject vaccinated and revaccinated against smallpox. Treatment and recovery with antivaccinal hyperimmune immunoglobulins and methisazone] Bertaggia A.

Minerva Pediatr 27(29):1586–91, 22 Sep 75 (Eng. Abstr.) **(Ita)**

[A supplement of the neuropathology of the acute encephalopathies in childhood, especially about the relation of acute toxic encephalopathy and Ekiri, Ekiri-like syndrome. II. The neuropathology of the postvaccinal encephalopathy (author's transl)] Ogawa T. **Psychiatr Neurol Jpn** 78(5):383–401, 1976 (Eng. Abstr.) **(Jpn)**

[Post-vaccination complications and their prevention] Braginskaia VP, et al. **Pediatriia** (1):26–31, Jan 74 (Eng. Abstr.) **(Rus)**

[Contraindications for preventive vaccination in children] Braginskaia VP, et al. **Pediatriia** (1):71–3, Jan 76 **(Rus)**

[Criteria of determination of contraindications for vaccination] Libov AL. **Pediatriia** (1):73–4, Jan 76 **(Rus)**

[Effect of immunization of mice with live viral vaccines on bone marrow cell chromosomes in 1st generation progeny] Gorshunova LP, et al. **Tsitol Genet** 9(6):542–5, Nov–Dec 75 **(Rus)**

[Microprecipitation reaction on agar as a rapid method of diagnosis of cutaneous complications following smallpox vaccination] Beliaev NV. **Vestn Dermatol Venerol** (11):69–72, Nov 75 (Eng. Abstr.) **(Rus)**

[Etiology and pathogenesis of complications developing after smallpox vaccination] Romanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):136–7, Feb 76 **(Rus)**

HISTORY

A historical note on the Reverend John Clinch, first Canadian vaccinator. Davies JW. **Can Med Assoc J** 102(9):957–61, 9 May 70

INSTRUMENTATION

[Use of the RSP-1M device in practice for the aerosol immunization of humans with dry plague vaccine] Fediaev SF, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):82–5, Apr 75 (Eng. Abstr.) **(Rus)**

METHODS

Compared efficiency of a killed vaccine of Salmonella typhimurium, a live vaccine and an antigenic fraction in oral immunization of mice. Fontanges R, et al. **Dev Biol Stand** 33:118–23, 1976

Vaccination at the portal of entry of infectious agents. Sabin AB. **Dev Biol Stand** 33:3–9, 1976

Vaccination of man and animals by the non-parenteral route. Isle-of-Man, September 1975. **J Biol Stand** 4(1):63–8, 1976

A clinical trial of WRL 105 strain live attenuated influenza vaccine comparing four methods of intranasal vaccination. Freestone DS, et al. **J Hyg (Camb)** 76(3):459–66, Jun 76

Practical aspects concerning combined live viral vaccines. Hielleman MR, et al. **Praxis** 64(4):98–108, 28 Jan 75

Dust vaccination, an alternative method in Newcastle disease prophylaxis. Kraft V, et al. **Zentralbl Veterinaermed [B]** 22(8):703–6, Oct 75

[Letter: Combination of repeated vaccinations with oral vaccination] Ehrengut W, et al. **Anaesthesiol Intensivmed Prax** 11(1):111–2, Oct 75 **(Ger)**

[1st results with a combined live vaccine against measles, mumps, and rubella] Stehr K, et al. **Monatsschr Kinderheilkd** 123(5):410–2, May 75 **(Ger)**

[A possibility for the prevention of recurrences in infections of the efferent urinary pathways] Gärtner JK. **Z Aerztl Fortbild (Jena)** 69(17):920–1, 1 Sep 75 **(Ger)**

[Our experiences with the 2-stage method of vaccination against smallpox (MVA virus pre-vaccination)] Rudkowski Z, et al. **Pediatr Pol** 51(5):497–503, May 76 (Eng. Abstr.) **(Pol)**

[Use and effectiveness of multiple vaccines of life viruses] Villarejos VM. **Bol Of Sanit Panam** 78(2):132–7, Feb 75 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Vaccination trials against bovine dermatophilosis in southern Chad. pp. 260–8. Provost A, et al.
In: Lloyd DH, Sellers KC, ed. Dermatophilus infection in animals and man. London, Academic Press, 1976. WR 300 I61d 1973.

STANDARDS

Oral influenza vaccination with live attenuated viruses. 2. Protective efficacy during a type A(H3N2) epidemic. Petrilli FL, et al. **Boll Ist Sieroter Milan** 54(4):323–30, 20 Oct 75

Oral influenza vaccination with live attenuated viruses. 1. Acceptability, immunogenicity and transmissibility. Petrilli FL, et al. **Boll Ist Sieroter Milan** 54(4):312–22, 20 Oct 75

[Mathematical methods to judge the efficiency of protective vaccinations (author's transl)] Ambrosch F, et al. **Immun Infekt** 3(1):24–31, Feb 75 (Eng. Abstr.) **(Ger)**

[Examination about the clinical efficiency of influenza vaccination (author's transl)] Ambrosch F, et al. **Laryngol Rhinol Otol (Stuttg)** 55(1):57–61, Jan 76 (Eng. Abstr.) **(Ger)**

[Complications after smallpox vaccination] Tulzer VW, et al. **Wien Med Wochenschr** 125(25–27):424–7, 20 Jun 75 **(Ger)**

VETERINARY

Vaccination experiments against transmissible gastroenteritis (TGE) of swine. III. The virus-neutralizing titre of vaccinated sows' milk and its persistence during the lactation period. Mocsári E, et al. **Acta Vet Acad Sci Hung** 25(1):37–40, 1975

Vaccination experiments against transmissible gastroenteritis (TGE) of swine. IV. The titre and persistence of virus-neutralizing antibodies in the sera of sows vaccinated once or twice at different intervals. Mocsári E, et al. **Acta Vet Acad Sci Hung** 25(1):41–5, 1975

Studies on relationships of blood group antigens and incidence of Marek's disease in vaccinated and non-vaccinated populations of chicken. Papp M, et al. **Acta Vet Acad Sci Hung** 25(2–3):129–33, 1975

Vaccination experiments on prevention of E. coli diarrhoea in suckling calves. I. Use of aluminium gel adjuvant. Varga J, et al. **Acta Vet Acad Sci Hung** 25(2–3):153–61, 1975

Vaccination experiments on prevention of E. coli enteritis in weanling pigs. Varga J, et al. **Acta Vet Acad Sci Hung** 25(2–3):201–4, 1975

Canine rabies in the United States, 1971–1973: study of reported cases with reference to vaccination history. Kappus KD. **Am J Epidemiol** 103(2):242–9, Feb 76

Bacteriologic and vaccination studies in a field epizootic of infectious bovine keratoconjunctivitis in calves. Arora AK, et al. **Am J Vet Res** 37(7):803–5, Jul 76

Q fever (Coxiella burnetii) investigations in dairy cattle: challenge of immunity after vaccination. Behymer DE, et al. **Am J Vet Res** 37(6):631–4, Jun 76

Cell-mediated immunity and age at vaccination associated with measles inoculation and protection of dogs against canine distemper. Gerber JD, et al. **Am J Vet Res** 37(2):133–8, Feb 76

Effects of vaccination infectious bovine rhinotracheitis and simultaneous administration of levamisole on primary humoral responses in calves. Irwin MR, et al. **Am J Vet Res** 37(2):223–6, Feb 76

Immunity to leptospirosis: renal changes in vaccinated cattle given challenge inoculum. Killinger AH, et al. **Am J Vet Res** 37(1):93–4, Jan 76

Intravenous johnin and tuberculin tests in cattle vaccinated with Mycobacterium paratuberculosis cells and subsequently inoculated with Mycobacterium bovis. Kopecky KE, et al. **Am J Vet Res** 36(12):1727–9, Dec 75

Experimentally induced infectious bovine keratoconjunctivitis: resistance of vaccinated cattle to homologous and heterologous strains of Moraxella bovis. Pugh GW Jr, et al. **Am J Vet Res** 37(1):57–60, Jan 76

A field study of persistence of antibodies in California horses vaccinated against western, eastern, and Venezuelan equine encephalomyelitis. Vanderwagen LC, et al. **Am J Vet Res** 36(11):1567–71, Nov 75

Local immune responses in the bovine fetus vaccinated in utero with Escherichia coli antigen. Wamukoya JP, et al. **Am J Vet Res** 37(2):159–63, Feb 76

Immunoglobulin class specificity of non-agglutinating antibody produced in cattle following Brucella abortus 45/20 vaccination. Beh KJ. **Aust Vet J** 51(10):481–3, Oct 75

Immunisation of cattle against vibriosis with vaccines prepared from Campylobacter fetus subsp fetus. Clark BL, et al. **Aust Vet J** 51(7):333–6, Jul 75

Leptospiral titres in pigs after vaccination. Dobson KJ, et al. **Aust Vet J** 51(9):443–4, Sep 75

Laboratory and field studies with a bovine ephemeral fever vaccine. Tzipori TS, et al. **Aust Vet J** 51(5):244–50, May 75

The adverse effect of environment on the response to distemper vaccination. Webster AC. **Aust Vet J** 51(10):488–90, Oct 75

Marek's disease vaccine breaks: differences in viremia of vaccinated chickens between those with and without Marek's disease. Cho BR. **Avian Dis** 20(3):496–503, Jul–Sep 76

Effect of furazolidone in feed on immune response of turkeys vaccinated with live Pasteurella multocida in drinking water. Derieux WT. **Avian Dis** 20(3):552–5, Jul–Sep 76

In vitro DNA synthesis in lymphocytes from turkeys vaccinated with LaSota, TC, and inactivated Newcastle disease vaccines. Ghumman JS, et al. **Avian Dis** 20(1):18–31, Jan–Mar 76

Studies on genetic and vaccination-induced resistance of chickens to lymphoid tumor transplants. I. Marek's disease tumor transplant (JMV). Spencer JL, et al. **Avian Dis** 20(2):268–85, Apr–Jun 76

Studies on genetic and vaccination-induced resistance of chickens to lymphoid tumor transplants 2. Transmissible lymphoid tumor of Olson. Spencer JL, et al. **Avian Dis** 20(2):286–92, Apr–Jun 76

The occurrence of virus in leukocytes of vaccinated chickens following challenge with virulent Newcastle disease virus. Turner AJ, et al. **Avian Dis** 20(2):375–81, Apr–Jun 76

Effect of route of Newcastle disease vaccination on the incidence of airsacculitis in chickens infected with Mycoplasma synoviae. Villegas P, et al. **Avian Dis** 20(2):395–400, Apr–Jun 76

Immunity to infectious bronchitis virus from spray vaccination with derivatives of a Holland strain. Winterfield RW, et al. **Avian Dis** 20(1):42–8, Jan–Mar 76

Vaccination and revaccination with a Holland (H) strain of infectious bronchitis virus. Winterfield RW, et al. **Avian Dis** 20(2):369–74, Apr–Jun 76

Effects of strain of chickens and vaccination with turkey herpesvirus on Marek's disease and lymphoid leukosis in breeding stocks. Gavora JS, et al. **Br Poult Sci** 16(4):375–88, Jul 75

Non-parenteral vaccines for veterinary use in the United Kingdom. Frerichs GN. **Dev Biol Stand** 33:29–32, 1976

An interim report on the work of the Avian Products Standardization Committee. Hulse EC. **Dev Biol Stand** 33:41–3, 1976

The effect of post-vaccinal treatment with the antibiotic tylosin on the immunity produced by the T1 strain of Mycoplasma mycoides subspecies mycoides. Windsor RS, et al. **J Comp Pathol** 86(2):173–81, Apr 76

Vaccination of cattle against Q-fever. Šádecký E, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):200–6, 1975

Studies from the Birmingham Dogs Home. (1) The problem of resettling stray and unwanted animals. (2) The effect of distemper vaccination upon disease incidence. Griffiths BC. **J Small Anim Pract** 16(11):715–21, Nov 75

Studies on a test vaccine for equine influenza virus. II. Field trials. Nagamine T, et al. **Kitasato Arch Exp Med** 48(2–3):69–82, Sep 75

Vaccination programs for bovine respiratory diseases. Kahrs RF. **Mod Vet Pract** 57(1):29–32, Jan 76

Immunization of pigs with the attenuated S- strain of Japanese encephalitis virus. Fujisaki Y, et al. **Natl Inst Anim Health Q (Tokyo)** 15(2):55–60, Summer 75

Vaccination of young chickens with live vaccine against some New Zealand isolates of infectious bronchitis virus. Bengelsdorff HJ, et al. **NZ Vet J** 23(5):85–92, May 75

Leptospira interrogans serotype pomona infection and leptospiruria in vaccinated pigs. Hodges RT, et al. **NZ Vet J** 24(3):37–9, Mar 76

Letter: Brucella ovis vaccination of rams. Quinlivan TD, et al. **NZ Vet J** 23(8):183, Aug 75

The ability of blood plasma from drinking water vaccinated turkeys to protect against a lethal challenge of Pasteurella multocida. Bierer BW, et al. **Poult Sci** 54(6):2091–3, Nov 75

Serum electrophoretic pattern of chickens vaccinated with R2B (Mukteswar) and F strain of Newcastle disease virus. Khare ML, et al. **Poult Sci** 54(6):1946–52, Nov 75

The effect of intramuscular and intramammary vaccination of cows on antibody levels and resistance to intramammary infection by Staphylococcus aureus. Brock JH, et al. **Res Vet Sci** 19(2):152–8, Sep 75

Diminished antibody response to rinderpest vaccination in cattle undergoing experimental East Coast fever. Wagner GG, et al. **Res Vet Sci** 19(2):209–11, Sep 75

Letter: Rabies: vaccination. **Vet Rec** 98(23):470–1, 5 Jun 76

Effect of vaccination against foot rot in young sheep wintered in straw yards. Kerry JB, et al. **Vet Rec** 98(22):446–7, 29 May 76

Kennel cough: Vaccination against Bordetella bronchiseptica infection. McCandlish IA, et al. **Vet Rec** 98(8):156–7, 21 Feb 76

Correspondence: Poultry vaccination. Pound BH. **Vet Rec** 98(9):179, 28 Feb 76

[Experience in the complex vaccination of birds against pseudoplague, infectious laryngotracheitis and diphtheria pox] Cholakova R. **Vet Med Nauki** 12(5):62–9, 1975 (Eng. Abstr.) **(Bul)**

[A comparative study of antihemagglutinins in the sera and egg yolks of chickens vaccinated against pseudoplague] Danchev P, et al. **Vet Med Nauki** 11(10):48–52, 1974 (Eng. Abstr.) **(Bul)**

[Immune response of the chicks from immune layers vaccinated at 1 and 4 days of age against Newcastle disease] Danchev P, et al. **Vet Med Nauki** 13(4):23–7, 1976 (Eng. Abstr.) **(Bul)**

[Changes in the phagocytic activity of lambs immunized with D. filaria larvae irradiated with gamma rays] Denev I. **Vet Med Nauki** 11(10):9–12, 1974 (Eng. Abstr.) **(Bul)**

[Study of Salmonella cultures. IV. Immunogenicity of Salmonella resistant to antibiotics] Minev M. **Vet Med Nauki** 12(9):66–73, 1975 (Eng. Abstr.) **(Bul)**

[Comparative study of immunity in swine vaccinated with foot-and-mouth disease vaccines prepared with various adjuvants] Mitev G, et al. **Vet Med Nauki** 12(1):16–22, 1975 (Eng. Abstr.) **(Bul)**

[The epizootologic effectiveness of Deptavac-HVT vaccine against Marek's disease in growing parents] Nikolova M, et al. **Vet Med Nauki** 12(7):8–14, 1975 (Eng. Abstr.) **(Bul)**

[Effect of passive immunity on subsequent vaccination against swine fever] Peshleiski P. **Vet Med Nauki** 12(10):78–82, 1975 (Eng. Abstr.) **(Bul)**

[The 'Vaccination Reaction' syndrome of broilers after vaccination against Newcastle disease and infectious bronchitis (author's transl)] Smits WH, et al. **Tijdschr Diergeneeskd** 101(12):649–57, 15 Jun 76 (Eng. Abstr.) **(Dut)**

[Serological survey of the immunity confered by antirinderpest vaccination in Ethiopia] Lefevre PC, et al. **Rev Elev Med Vet Pays Trop** 27(2):177–81, 1974 (Eng. Abstr.) **(Fre)**

[Prophylaxis and vaccination in bovine pleuropneumonia. Evolution of technics and their current practical applications] Provost A. **Rev Elev Med Vet Pays Trop** 27(2):145–61, 1974 (85 ref.) (Eng. Abstr.) **(Fre)**

[Vaccination of sows with the 'Dessau' Salmonella-cholerae-suis adsorbate vaccine] Seyfarth D, et al. **Arch Exp Veterinaermed** 29(1):153–6, 1975 (Eng.

Abstr.) (Ger)
[Route of inoculation and aluminium hydroxide influences in the immunological response of horses vaccinated against equine influenza (author's transl)] Cunha RG, et al. **Arq Inst Biol (Sao Paulo)** 40(4):357–68, Oct–Dec 73 (Eng. Abstr.) (Por)
[Behavior of the strain Lasoto in kidney swine cell IB–RS2 (clone 13) and utilization of the floating liquid of the celular culture as Newcastle disease vaccine (author's transl)] July JR, et al. **Arq Inst Biol (Sao Paulo)** 40(4):321–30, Oct–Dec 73 (Eng. Abstr.) (Por)
[Variability of postvaccinal antibody activity in swine with different blood groups] Pavlichenko VP, et al. **Tsitol Genet** 10(2):154–7, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Immunological reaction in chicks vaccinated against Newcastle disease] Bragin GI, et al. **Veterinariia** (4):37–9, Apr 75 (Rus)
[Anaphylactic reaction in cattle following the administration of the anti–foot–and–mouth disease vaccine] Chepurkin AV, et al. **Veterinariia** (5):64–5, May 75 (Rus)
[Aerosol vaccination against Marek's disease] Chubis AI, et al. **Veterinariia** (6):54–5, Jun 76 (Rus)
[Epizootic importance of animals in the remote period following innoculation of the strain 19 vaccine] Dan'shev IA, et al. **Veterinariia** (7):46–50, Jul 75 (Rus)
[Immunomorphological changes in vaccination with the AUF Listeria strain] Idrisov GZ, et al. **Veterinariia** (2):37–40, Feb 75 (Rus)
[Viability of swine erysipelas bacteria in aerosols] Izotova NA, et al. **Veterinariia** (6):55–7, Jun 75 (Rus)
[Combined vaccination of sheep against pasteurellosis and anaerobic infections] Kadymov RA, et al. **Veterinariia** (7):53–4, Jul 75 (Rus)
[Combined vaccination of sheep against anthrax, pox and anaerobic infections] Kadymov RA. **Veterinariia** (2):50–2, Feb 75 (Rus)
[Comlete vaccination of calves] Kadymov RA, et al. **Veterinariia** (4):61–2, Apr 76 (Rus)
[Experience with the use of the new vaccine according to data of the Veterinary pavilion of the Exhibition of Achievements of the National Economy of the USSR] Konstantinova IuA. **Veterinariia** (7):19–20, Jul 75 (Rus)
[Dermatofollicular method of vaccination of chickens against Newcastle disease and pox] Kreimer IuKh, et al. **Veterinariia** (8):47–9, Aug 75 (Rus)
[Plasma cell reaction to vaccination of lambs against paratyphoid] Mamedov TA. **Veterinariia** (2):40–1, Feb 75 (Rus)
[Immunoreactivity of swine to vaccination against Aujeszky's disease, salmonellosis and pasteurellosis] Petrov VF, et al. **Veterinariia** (2):31–4, Feb 75 (Rus)
[Determination of the antibody titer in vaccination against foot–and–mouth disease of animals] Priskoka VA, et al. **Veterinariia** (5):51–3, May 75 (Rus)
[Formation of immunity in poultry in relation to the dose of the La–Sota vaccine] Rezvykh AG. **Veterinariia** (2):47–9, Feb 75 (Rus)
[Serum lysozyme activity in chicks vaccinated against infectious laryngotracheitis via inhalation] Shornikov VV, et al. **Veterinariia** (11):38–9, Nov 75 (Rus)
[Resistance of vaccinated animals to heterologous subtypes of the foot–and–mouth disease virus] Sobko AI, et al. **Veterinariia** (1):43–4, Jan 76 (Rus)
[Simultaneous immunization of suckling pigs against plague, Aujeszky's disease and erysipelas] Tsymbal AM, et al. **Veterinariia** (2):57–9, Feb 75 (Rus)

VACCINATION ENCEPHALITIS see **ENCEPHALITIS, POST–VACCINAL**

VACCINE THERAPY

Letter: Rabies. McIntyre I. **Br Med J** 4(5994):458, 22 Nov 75
Corynebacterium parvum. Delmonte L, et al. **Clin Bull** 6(1):31–4, 1976
Osteosarcoma. Results of treatment employing adjuvant immunotherapy. Eilber FR, et al. **Clin Orthop** (111):94–100, Sep 75
Editorial: Approaches to local immunotherapy. Freireich EJ. **JAMA** 234(12):1258, 22 Dec 75
Epilesional scarification. Preliminary report of a new approach to local immunotherapy with BCG. Richman SP, et al. **JAMA** 234(12):1233–5, 22 Dec 75
Letter: Treatment of primary melanoma by intralesional vaccinia before excision. Davis N. **Lancet** 2(7941):922, 8 Nov 75
Letter: Side–effects of intravenous Corynebacterium parvum. Hamilton DN. **Lancet** 2(7947):1263, 20 Dec 75
Treatment of cancer with immunomodulators. Oettgen HF, et al. **Med Clin North Am** 60(3):511–37, May 76
Letter: Chemoimmunotherapy of malignant melanoma. **N Engl J Med** 292(3):159–60, 16 Jan 75
Complex radiation–chemotherapy of malignant lymphomas in combination with nonspecific BCG–immunostimulation. A preliminary report. Marinov L. **Panminerva Med** 18(5–6):162–6, May–Jun 76
[Extraction of a soluble antigen (a glycoprotein) from rabies tissue culture vaccines using Triton X100. Immunization and protection experiments (author's transl)] Atanasiu P, et al. **Ann Microbiol (Paris)** 125(4):540–57, Dec 74 (Eng. Abstr.) (Fre)
[Burkitt's tumor and immunotherapy. Coryne vaccination] Mazet G. **Bull Soc Pathol Exot** 67(4):353–9, Jul–Aug 74 (Eng. Abstr.) (Fre)
[Anti–pyocyanic and anti–staphylococcal vaccinations in malignant hemopathies] Oberling F, et al. **Nouv Rev Fr Hematol** 15(3):386–90, May–Jun 75 (Fre)
[Immunotherapy of laryngeal papillomatosis (author's transl)] Brandt RH, et al. **Arch Geschwulstforsch** 45(4):368–75, 1975 (Eng. Abstr.) (Ger)
[Modern trends in the treatment of chronic osteomyelitis (author's transl)] Savoini E. **Z Orthop** 113(3):344–56, Jun 75 (Eng. Abstr.) (Ger)
[New treatment methods in recurrent herpes simplex] Thune P, et al. **Tidsskr Nor Laegeforen** 96(4):237–9, 10 Feb 76 (Eng. Abstr.) (Nor)
[Effect of vaccine therapy on production of humoral antibodies in children with recurrent respiratory tract infections] Chmielewska D, et al. **Pediatr Pol** 50(8):1009–15, Aug 75 (Eng. Abstr.) (Pol)
[Experience in the treatment of chronic gonorrhea in women with oletetrin in combination with gonovaccine and pyrogenal] Kirienko LV. **Vestn Dermatol Venerol** (8):83–5, Aug 75 (Eng. Abstr.) (Rus)
[Effectiveness of specific treatment of rabies. II. Analysis of cases of human death from rabies following a complete course of treatment with specific agents] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):72–80, Apr 76 (Rus)

METHODS

The immunotherapy of anal condyloma acuminatum. Abcarian H, et al. **Dis Colon Rectum** 19(3):237–44, Apr 76
Simultaneous use of vaccines, indications, contraindications. Witte J. **Praxis** 64(5):111–8, 4 Feb 75
[Chronic posttraumatic osteomyelitis. Attempt at oral autovaccine therapy] Ring J, et al. **Fortschr Med** 94(5):264–5, 268, 12 Feb 76 (Eng. Abstr.) (Ger)
[Importance of individual method of vaccine therapy in brucellosis] Otaraev IB, et al. **Sov Med** (8):153–4, Aug 75 (Rus)

VACCINES

Enhancement of the antigenic activity and virulence of the vaccine strain E of Rickettsia prow azeki by passages in cell culture. Ignatovich VF. **Acta Virol (Praha)** 19(6):481–5, Nov 75
Resistance to infection with Schistosoma mansoni after immunization with worm extracts or live cercariae: role of cytotoxic antibody in mice and guinea pigs. Murrell KD, et al. **Am J Trop Med Hyg** 24(6 Pt 1):955–62, Nov 75
The use of irradiated vaccine in immunization against experimental murine toxoplasmosis. Seah SK, et al. **Can J Microbiol** 21(9):1379–85, Sep 75
The efficacy of killed Trypanosoma evansi vaccines in mice. Ryu E. **Chin J Microbiol** 8(4):280–5, Dec 75
Vaccines made from house–dust mites. **Drug Ther Bull** 14(9):35–6, 23 Apr 76
The possibilities for application of the canine hookworm vaccine technology to the prevention and control of hookworm infection and disease in man. pp. 61–8. Miller TA.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.
Preparation of Rocky Mountain spotted fever vaccine suitable for human immunization. Kenyon RH, et al. **J Clin Microbiol** 1(6):500–3, Jun 75
Comparison of three rocky mountain spotted fever vaccines. Kenyon RH, et al. **J Clin Microbiol** 2(4):300–4, Oct 75
Biological properties of the M–44 strain of Coxiella burneti. Johnson JW, et al. **J Infect Dis** 133(3):334–8, Mar 76
How drugs act. 25. Biological drugs and vaccines. Smith SE. **Nurs Times** 71(50):1992–3, 11 Dec 75
Development and chimpanzee testing of a vaccine against human hepatitis B. Buynak EB, et al. **Proc Soc Exp Biol Med** 151(4):694–700, Apr 76
[Combined vaccination of sheep against anthrax, pox and anaerobic infections] Kadymov RA. **Veterinariia** (2):50–2, Feb 75 (Rus)
[Production of antirickettsial sera by immunizing horses. II. Obtaining and testing an immune serum to D. sibericus] Barban PS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):27–31, Oct 75 (Eng. Abstr.) (Rus)
[Experimental study of the effectiveness of combined immunization against Q fever with living and killed vaccines] Pautov VN. **Zh Mikrobiol Epidemiol Immunobiol** (4):133–4, Apr 75 (Rus)
[Vaccines. III. Vaccines of cellular fractions] Bojalil LF. **Gac Med Mex** 111(4):263–7, Apr 76 (Spa)
[Vaccines. II. Present and future of immunoprophylaxis] Edsall G. **Gac Med Mex** 111(4):258–63, Apr 76 (Spa)
[Vaccines. IV. New vaccines of enteric organisms] Olarte J. **Gac Med Mex** 111(4):267–70, Apr 76 (Spa)
[Vaccines. I. Introduction] Pérez Miravete A. **Gac Med Mex** 111(4):253–8, Apr 76 (Spa)

ADMINISTRATION & DOSAGE

Non–parenteral vaccines for veterinary use in the United Kingdom. Frerichs GN. **Dev Biol Stand** 33:29–32, 1976
Pediatrics: Immunization 20 common questions and answers. Krugman RD. **Postgrad Med** 59(4):216–20, Apr 76
[Letter: Combination of repeated vaccinations with oral vaccination] Ehrengut W, et al. **Anaesthesiol Intensivmed Prax** 11(1):111–2, Oct 75 (Ger)
[Foreign proteins in the blood and lymph after oral administration. Giant molecular foreign proteins in the blood and lymph of adult animals and men and their biological effectiveness after enteral administration] Seifert J. **Fortschr Med** 93(31):1557–60, 6 Nov 75 (Eng. Abstr.) (Ger)
[Modification of infectious–allergic processes by oral administration of antigens] Stickl H, et al. **Fortschr Med** 93(34):1738–44, 4 Dec 75 (Eng. Abstr.) (Ger)
[Uan'e reaction in cows immunized with STI vaccine] Tsydypov VTs. **Veterinariia** (10):106–7, Oct 75 (Rus)

ADVERSE EFFECTS

[What are the hazards of vaccinations in childhood?] Borsche A. **ZFA** 52(13):666–74, 10 May 76 (Ger)

ANALYSIS

[Determination of residual humidity in lyophilized vaccines] Bervelt E, et al. **J Biol Stand** 3(3):321–30, 1975 (Fre)
[Determination of residual moisture in lyophilized vaccines by the Karl Fischer reagent. Technic and causes of errors] Caisey P, et al. **Rev Elev Med Vet Pays Trop** 28(4):459–62, 1975 (Eng. Abstr.) (Fre)

HISTORY

Contribution of Haffkine to the concept and practice of controlled field trials of vaccines. Cvjetanović B. **Prog Drug Res** 19:481–9, 1975

PHARMACODYNAMICS

[The induction of 'interferon–like' agents in the serum and spleen of mice treated with two polymicrobial products] Popescu C, et al. **Arch Roum Pathol Exp Microbiol** 34(3):285–94, Jul 75 (Eng. Abstr.) (Fre)
[Study of the chromosomes in the bone marrow cells of mice inoculated subsequently with various vaccines] Milhaĭlova GR, et al. **Tsitol Genet** 9(5):461–1, Sep–Oct 75 (Eng. Abstr.) (Rus)

STANDARDS

Influence of the vaccine Polyvaccinum mite on the nasal mucosa. Szczawińska K, et al. **Arch Immunol Ther Exp (Warsz)** 23(4):561–7, 1975
An interim report on the work of the Avian Products Standardization Committee. Hulse EC. **Dev Biol Stand** 33:41–3, 1976
A reference, inactivated, epidemic typhus vaccine: clinical trials in man. Mason RA, et al. **J Biol Stand** 4(3):217–24, 1976
Tables for estimating the mean of distribution of logarithms of titers based on data with a pooled serum sample. Takahasi K, et al. **Jpn J Med Sci Biol** 28(2):101–16, Apr 75
Testing veterinary vaccines. Davidson I. **Vet Rec** 97(20):389–92, 15 Nov 75
Control of meningococcal meningitis with meningococcal vaccines. Artenstein MS. **Yale J Biol Med** 48(3):197–200, Jul 75 (16 ref.)
Introduction acute respiratory infections in military personnel. Evans AS. **Yale J Biol Med** 48(3):167–9, Jul 75
[Testing of the protective effect of cell–free lyophilized vaccine against Marek's disease in field trials] Kožušníková A, et al. **Vet Med (Praha)** 20(7):355–62, Jun 75 (Eng. Abstr.) (Cze)
[Epidemiological assessment of the system of indices characterizing the quality of vaccine preparations] Sumarokov AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):78–85, Jul 75 (Eng. Abstr.) (Rus)

TOXICITY

[Local tolerance of vaccines adsorbed on immuno–stimulating substances] Levaditi JC, et al. **Sem Hop Ther** 51(2):117–8, Feb 75 (Fre)

VACCINES, ATTENUATED

Efficacy and immune response to rubella subunits vaccines. Cappel R, et al. **Arch Virol** 50(3):207–13, 1976
Immunity following intranasal administration of an inactivated, freeze–dried A/England/42/72 vaccine. Potter CW, et al. **Arch Virol** 48(4):307–16, 1975
Attenuated vaccines against bovine ephemeral fever. Spradbrow PB. **Aust Vet J** 51(10):464–8, Oct 75
Experimental study of the role of inactivated vaccine in two–step vaccination against smallpox. Marennikova SS, et al. **Bull WHO** 52(1):51–6, 1975
Stimulation or inhibition of immune resistance against metastatic or local growth of a C3H mammary carcinoma. Vaage J, et al. **Cancer Res** 36(5):1831–6, May 76
Failure of attenuated canine distemper virus (Rockborn strain) to suppress lymphocyte blastogenesis in dogs. Schultz RD. **Cornell Vet** 66(1):27–31, Jan 76
Mitogenic and adjuvant activity of a methanol extraction residue (MER) of tubercle bacilli on mouse lymphoid cells in vitro. Ben–Efraim S, et al. **Immunol Commun** 4(6):565–77, 1975

Nuclear techniques in helminthology research. Conclusions and recommendations. pp. 175–83.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Preparation of radiation-attenuated vaccines against helminthic infections. pp. 1–11. Mulligan W.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973. (12 ref.)

Attempts at immunization against Malayan filariasis using x-irradiated infective larvae. pp. 101–14. Ramachandran CP.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Studies on humoral and cellular immune responses in filariasis: use of nuclear techniques. pp. 73–84. Subrahmanyam D, et al.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Towards the development of a live vaccine for schistosomias. pp. 165–73. Taylor MG.
In: Nuclear techniques in helminthology research. Vienna, International Atomic Energy Agency, 1975. WC 800 P191n 1973.

Modified polyriboinosinic-polyribocytidylic acid, an immunological adjuvant. Houston WE, et al.
Infect Immun 14(1):318–9, Jul 76

Candidate cytomegalovirus strain for human vaccination. Plotkin SA, et al. **Infect Immun** 12(3):521–7, Sep 75

Immunisation trials with live attenuated cytomegalovirus TOWNE 125. Just M, et al. **Infection** 3(2):111–4, 1975

Assessment of elicited antibody responses, clinical reactions and transmissibility of WRL 105 live influenza vaccine. Moffat MA, et al. **J Biol Stand** 4(2):91–5, Apr 76

Occurrence of antibodies against envelope components after immunization with formalin inactivated and live measles vaccine. Norrby E. **J Biol Stand** 3(4):375–80, 1975

Preliminary attempts to detect interactions between coliphages and two attenuated vaccine viruses. Petricciani JC, et al. **J Biol Stand** 3(4):335–40, 1975

Improved method for production of attenuated Venezuelan equine encephalomyelitis (TC-83 strain) vaccine. Cole FE Jr, et al. **J Clin Microbiol** 3(4):460–2, Apr 76

Preparation of Rocky Mountain spotted fever vaccine suitable for human immunization. Kenyon RH, et al.
J Clin Microbiol 1(6):500–3, Jun 75

Attenuated influenza A vaccine (Alice) in an adult population: vaccine-related illness, serum and nasal antibody production, and intrafamily transmission. Minor TE, et al. **J Clin Microbiol** 2(5):403–9, Nov 75

Preparation and testing of vaccines prepared from the envelopes of Venezuelan, eastern, and western equine encephalomyelitis viruses. Pedersen CE Jr.
J Clin Microbiol 3(2):113–8, Feb 76

Comparison of vaccines against infectious bursal disease. Thornton DH, et al. **J Comp Pathol** 85(4):597–610, Oct 75

Induction of congenital hydrocephalus in hamsters with attenuated and natural strains of mumps virus. Kilham L, et al. **J Infect Dis** 132(4):462–6, Oct 75

Clinical trials with Alice strain, live, attenuated, serum inhibitor-resistant intranasal influenza A vaccine. Spencer MJ, et al. **J Infect Dis** 132(4):415–20, Oct 75

Attenuation of herpesvirus saimiri for marmosets after successive passage in cell culture at 39 degrees C. Schaffer PA, et al. **J Natl Cancer Inst** 55(5):1243–6, Nov 75

Evaluation of a live, attenuated respiratory syncytial virus vaccine in infants. Wright PF, et al. **J Pediatr** 88(6):931–6, Jun 76

Editorial: Live influenza vaccine strains. **Lancet** 2(7938):755–7, 18 Oct 75

Recombinant WRL 105 strain live attenuated influenza vaccine. Immunogenicity, reactivity, and transmissibility. Morris CA, et al. **Lancet** 2(7927):196–9, 2 Aug 75

WRL 105 strain (H3N2) live attenuated influenza vaccine: acceptability, reactivity, and antibody response in normal, bronchitic, and geriatric volunteers. Nicholson KG, et al. **Lancet** 1(7973):1309–11, 19 Jun 76

Clinical and serologic effects of Alice strain live attenuated influenza A (H3N2) virus vaccine in an adult population. Miller LW, et al. **Med Microbiol Immunol (Berl)** 162(1):15–21, 30 Dec 75

Inactivated Mayaro vaccine produced in human diploid cell cultures. Robinson DM, et al. **Milit Med** 141(3):163–6, Mar 76

A comparative study on the immunogenicity of live and inactivated Salmonella typhimurium vaccines in mice. Cameron CM, et al. **Onderstepoort J Vet Res** 41(3):81–91, Sep 74

[Experience in immunizing guinea pigs and lambs with D. filaria larvae irradiated with gamma rays] Denev I.
Vet Med Nauki 11(9):7–12, 1974 (Eng. Abstr.) **(Bul)**

[Protection by oral vaccination of mice with an avirulent live strain of Salmonella typhimurium] Ivanoff B, et al.
C R Soc Biol (Paris) 169(2):350–4, 1975 **(Fre)**

[Tolerance and immunogenicity of an attenuated live influenza virus vaccine in man (author's transl)] Kuwert E, et al. **Dtsch Med Wochenschr** 100(52):2629–35, 26 Dec 75 (Eng. Abstr.) **(Ger)**

[TC marker of the attenuated vaccinia vaccide strain 'MVA' in human cell cultures and protective immunization against orthopox diseases in animals] Mayr A.
Zentralbl Veterinaermed [B] 23(5–6):417–30, Jun 76 (Eng. Abstr.) **(Ger)**

[Protection against Leishmania donovani induced in hamsters with an irradiated homologous strain] Ilardi A, et al. **Parassitologia** 16(2–3):143–9, Aug–Dec 74 **(Ita)**

[Studies on live influenza virus vaccine. I. Attenuated influenza A2 Hong Kong virus and its biological and immunological characteristics (author's transl)] Izuchi T, et al. **Virus (Tokyo)** 23(2):134–40, Jun 73 (Eng. Abstr.) **(Jpn)**

[Experience in the isolation and attenuation of the rubella strain 'Orlov'] Meshalova VN.
Tr Leningr Inst Epidemiol Mikrobiol 42:137–43, 1973 **(Rus)**

[Evaluation of arbovirus attenuation by changes in the histamine level in the blood of immunized animals] Beketova ZP, et al. **Vopr Virusol** (2):151–5, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Speed and intensity of the immune response to the administration of inactivated influenza vaccine in relation to neuraminidase activity] Isaeva EI, et al. **Vopr Virusol** (2):146–50, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Study of tissue culture herpes vaccine] Maevskai TM, et al. **Vopr Virusol** (6):715–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Simultaneous administration at different dosages of attenuated live virus vaccines against measles, mumps and rubella] Ramos-Alvarez M, et al.
Bol Med Hosp Infant Mex 33(4):875–86, Jul–Aug 76 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Reactions and serologic responses to monovalent acetone-inactivated typhoid vaccine and heat-killed TAB when given by jet injection. Edwards EA, et al.
Bull WHO 51(5):501–5, 1974

Preliminary results of oral influenza vaccination with live attenuated viruses. DeBarbieri A, et al. **Dev Biol Stand** 33:213–9, 1976

Response of ferrets to infection with a live attenuated influenza virus and to subsequent heterologous challenge. Delem A. **Dev Biol Stand** 33:226–33, 1976

Clinical trials carried out to assess non-parenteral routes for administration of Wistar RA 27/3 strain live attenuated rubella vaccine. Freestone DS. **Dev Biol Stand** 33:237–40, 1976

The use of live attenuated influenza vaccine ts-1(E) in man. Gwaltney JM Jr. **Dev Biol Stand** 33:178–83, 1976

Further studies on the neonatal ferret model of infection and immunity to and attenuation of human parainfluenza viruses. Mascoli CC, et al. **Dev Biol Stand** 33:384–90, 1976

Comparative studies on parenteral and intranasal inoculation of an attenuated feline herpes virus. Slater E, et al.
Dev Biol Stand 33:410–6, 1976

Use of an inhibitor-resistant live attenuated influenza vaccine in normal and asthmatic adults. Warshauer DM, et al.
Dev Biol Stand 33:184–90, 1976

A clinical trial of WRL 105 strain live attenuated influenza vaccine comparing four methods of intranasal vaccination. White WG, et al. **Dev Biol Stand** 33:202–6, 1976

Immunity in plague: protection induced in Cercopithecus aethiops by oral administration of live, attenuated Yersinia pestis. Chen TH, et al. **J Infect Dis** 133(3):302–9, Mar 76

Booster vaccination with further live attenuated measles vaccine. Bass JW, et al. **JAMA** 235(1):31–4, 5 Jan 76

Evaluation of an attenuated, live, bivalent, influenza vaccine in children. Burech DL, et al. **Ohio State Med J** 72(7):385–7, Jul 76

Live attenuated influenza virus vaccine trial in children. Hall CB, et al. **Pediatrics** 56(6):991–8, Dec 75

[Immuno-prevention of coli infections in swine using live vaccine. 1. Use in coli infections during the 1st days of life] Schimmel D, et al. **Arch Exp Veterinaermed** 29(3):335–48, Jun 75 (Eng. Abstr.) **(Ger)**

[Formation of immunity in intranasal immunization with live and killed influenza vaccine] Shvartsman IaS, et al.
Zh Mikrobiol Epidemiol Immunobiol 0(9):145–6, Sep 75 **(Rus)**

ADVERSE EFFECTS

Comparative trial of influenza vaccines. II. Adverse reactions in children and adults. Barry DW, et al.
Am J Epidemiol 104(1):47–59, Jul 76

Guillain-Barré syndrome following administration of live measles vaccine. Grose C, et al. **Am J Med** 60(3):441–3, Mar 76

Exaggerated natural measles following attenuated virus immunization. St. Geme JW Jr, et al. **Pediatrics** 57(1):148–9, Jan 76

[Effect of immunization of mice with live viral vaccines on bone marrow cell chromosomes in 1st generation progeny] Gorshunova LP, et al. **Tsitol Genet** 9(6):542–5, Nov–Dec 75 **(Rus)**

ANALYSIS

Clinical and immunologic observations on two lines of attenuated measles vaccine virus upon passage in chick embryo cell culture. Chun H, et al. **Chin Med J** 1(4):283–6, Jul 75

Analysis of the cell wall of five strains of Myocbacterium tuberculosis BCG and of an attenuated human strain, W 115. Phiet PH, et al. **Infect Immun** 13(3):677–81, Mar 76

ISOLATION & PURIFICATION

[Production and testing of a live lyophilized bivalent vaccine against Aujeszky's disease and erysipelas in swine] Vasilev V, et al. **Vet Med Nauki** 13(3):74–8, 1976 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Attenuated, streptomycin-dependent Salmonella typhi oral vaccine: potential deleterious effects of lyophilization. Levine MM, et al. **J Infect Dis** 133(4):424–9, Apr 76

Differences in the appearance of antibodies to structural components of measles virus after immunization with inactivated and live virus. Norrby E, et al. **J Infect Dis** 132(3):262–9, Sep 75

Treatment of cancer with immunomodulators. Oettgen HF, et al. **Med Clin North Am** 60(3):511–37, May 76

MER and other mycobacterial fractions in the immunotherapy of cancer. Weiss DW.
Med Clin North Am 60(3):473–97, May 76

[Immunogenic properties of a polyvalent inactivated vaccine from respiratory viruses (IBR, Pi-3, Ad-1, Ad-3] Khristov S, et al. **Vet Med Nauki** 13(4):36–44, 1976 (Eng. Abstr.) **(Bul)**

RADIATION EFFECTS

[Experimental study of an antirabies vaccine from sheep brain tissue inactivated by UV rays (author's transl)] Pospeeva NA, et al. **Vopr Virusol** (5):578–81, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

STANDARDS

Comparative trial of influenza vaccines. I. Immunogenicity of whole virus and split product vaccines in man. Barry DW, et al. **Am J Epidemiol** 104(1):34–46, Jul 76

Standardization of reference preparations-factors influencing assay of attenuated polioviruses. Arya SC.
Indian J Med Res 63(5):625–30, May 75

Comparative trials of live attenuated and detergent split influenza virus vaccines. Mackenzie JS, et al.
J Hyg (Camb) 75(3):425–43, Dec 75

Hepatitis-B vaccine. Safety criteria and non-B infection. Zuckerman AJ. **Lancet** 1(7974):1396–7, 26 Jun 76

[Immunogenicity of the attenuated strain of the virus of contagious ecthyma of sheep] Shakhbazov EG.
Veterinariia (5):56–7, May 75 **(Rus)**

[Evaluation of the postvaccination level of influenza antibodies by means of the radial immunodiffusion and hemagglutination inhibition reactions] Vavilova IuG, et al.
Vopr Virusol (2):158–61, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Enteral immunization with attenuated representatives of the family Enterobacteriaceae. Report 3. Comparison of the immunogenicity of the Sm-d-mutants of E. coli and the killed vaccine] Kokh KH, et al.
Zh Mikrob'ol Epidemiol Immunobiol (4):34–8, Apr 75 **(Rus)**

THERAPEUTIC USE

Shigellosis in custodial institutions. V. Effect of intervention with streptomycin-dependent Shigella sonnei vaccine in an institution with endemic disease. Levine MM, et al.
Am J Epidemiol 104(1):88–92, Jul 76

Nasoflu - a live influenza vaccine. **Drug Ther Bull** 14(1):3–4, 2 Jan 76

Intranasal immunization with attenuated live influenza vaccine in asthma. Storms WW, et al.
J Allergy Clin Immunol 58(2):284–90, Aug 76

Vaccination of infants in their first year of life with split inactivated measles vaccine incorporated in a diphtheriapertussis-tetanus-polio (inactivated) vaccine (DPTP-M), compared with live measles vaccination. Brouwer R. **J Biol Stand** 4(1):13–23, 1976

TOXICITY

Attenuated influenza virus in normal adults: role of pulmonary function studies in vaccine trials. Hall WH, et al. **J Infect Dis** 133(2):145–52, Feb 76

VACCINIA

Perianal vaccinia: a case report. Crapp AR, et al.
Aust NZ J Surg 46(1):83–5, Feb 76

The poxviruses: vaccinia and variola. Pettit TH.
Int Ophthalmol Clin 15(4):203–10, Winter 75

Letter: Treatment of primary melanoma by intralesional vaccinia before excision. Davis N. **Lancet** 2(7941):922, 8 Nov 75

Letter: Vaccinia treatment of melanoma. Norman RL.
Lancet 2(7940):867, 1 Nov 75

[Ulcerative vaccinia--a forgotten form of complication following smallpox vaccination] Beliaev NV.
Vestn Dermatol Venerol (2):63–8, Feb 76 (Eng. Abstr.) **(Rus)**

[Most frequent post-Jenner complications and their treatment] Trajkov I, et al. **God Zb Med Fak Skopje** 17:241–50, 1971 **(Ser)**

[Primary severe vaccinal process of the mucous membrane of the genital organs in an unvaccinated girl] Bychkov'skyĭ VN, et al. **Pediatr Akush Ginekol** (6):28–9, Nov–Dec 75

(Ukr)

DIAGNOSIS

Detection of vaccinia virus in blood of the experimentally infected rabbits. Blawat F, et al.
Bull Inst Marit Trop Med Gdynia 26(3–4):381–93, 1975

DRUG THERAPY

Biological activities of some purine arabinosides. Elion GB, et al. **Ann NY Acad Sci** 255(751106–751230–2):468–80, 8 Aug 75

Phosphonoacetic acid treatment of shope fibroma and vaccinia virus skin infections in rabbits. Friedman–Kien AE, et al. **J Invest Dermatol** 66(02):99–102, Feb 76

ETIOLOGY

Letter: Azathioprine and severe vaccinia. Thomas MH.
Arthritis Rheum 19(2):270, Mar–Apr 76

[2 cases of vaccinia auto–inoculation] Billet J, et al.
Rev Stomatol Chir Maxillofac 76(6):477–82, Sep 75 **(Fre)**

[Immunity after producing vaccinia generalisata during treatment with L–asparaginase in rabbits (author's transl)] Ricken KH, et al. **Immun Infekt** 2(1):78–82, Feb 74 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Study on experimental vaccinia virus infection in mice with special reference to host defence mechanisms. Prasad CB, et al. **Z Immunitaetsforsch** 148(2):97–111, Nov 74

[Sensitization against the antigens of the brain after experimental vaccinia infection. I. Evidence for cell–mediated immune response to brain–antigens (author's transl)] Huber HC, et al. **Zentralbl Bakteriol [Orig A]** 232(1):1–7, Jun 75 (Eng. Abstr.) **(Ger)**

[Sensitization against the antigens of the brain after experimental vaccinia infection. II. Humoral anti–brain antibodies and morphological changes in the CNS (author's transl)] Simon J, et al. **Zentralbl Bakteriol [Orig A]** 232(1):8–17, Jun 75 (Eng. Abstr.) **(Ger)**

[The effect of Trichinella spiralis on the susceptibility and antibody production to vaccinia virus] Chimishkian KL, et al. **Vopr Virusol** (4):438–41, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Effect of cytosine, arabinoside, iododeoxyuridine, ethyldeoxyuridine, thiocyanatodeoxyuridine, and ribavirin on tail lesion formation in mice infected with vaccinia virus. De Clercq E, et al. **Proc Soc Exp Biol Med** 151(3):487–90, Mar 76

[Fetal vaccinia (author's transl)] Ricken KH. **Infection** 3(4):209–12, 1975 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Accidental vaccinia infection – a case report. Lam KL, et al. **Med J Malaysia** 30(3):227–30, Mar 75

VETERINARY

[Vaccinia foetalis at the rabbit (author's transl)] Ricken KH, et al. **Immun Infekt** 2(5):254–60, Nov 74 (Eng. Abstr.) **(Ger)**

VACCINIA VIRUS

In vitro study of vaccinia virus–induced shut–off of host protein synthesis. pp. 355–61. Ben–Hamida F, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Possibilities of in vivo & in vitro reactivation of heat inactivated vaccinia virus. Babbar OP, et al.
Indian J Exp Biol 13(4):378–83, Jul 75

Treatment of primary melanoma by intralesional vaccinia before excision. Everall JD, et al. **Lancet** 2(7935):583–6, 27 Sep 75

H–2–like specificities of foreign haplotypes appearing on a mouse sarcoma after vaccinia virus infection. Garrido F, et al. **Nature** 259(5540):228–30, 22 Jan 76

[Hypoparathyroidismus following L–asparaginase and vaccinia virus infection. Effect of hypocalcemia on phagocytosis and the function of lymphocytes] Ricken KH. **Med Klin** 70(47):1905–9, 21 Nov 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Rapid lysis of vaccinia virus on neutral sucrose gradients with release of intact DNA. Parkhurst JR, et al.
Acta Pathol Microbiol Scand [Suppl] 71(1):53–9, Mar 76

Restriction enzyme digests of rapidly renaturing fragments of vaccinia virus DNA. DeFilippes F. **J Virol** 17(1):227–38, Jan 75

Isolation and characterization of vaccinia virus 'nucleoids'. Holowczak JA, et al. **Virology** 67(2):506–19, Oct 75

Preparation and characterisation of a subviral particle of vaccinia virus containing the DNA–dependent RNA polymerase activity. McCrae MA, et al. **Virology** 68(1):234–44, Nov 75

Formation of the guanylylated and methylated 5'–terminus of vaccinia virus mRNA. Moss B, et al. **Virology** 72(2):341–51, 15 Jul 76

CLASSIFICATION

Laboratory characteristics of British and Dutch strains of cowpox virus. Baxby D. **Zentralbl Veterinaermed [B]** 22(6):480–7, Aug 75

DRUG EFFECTS

Comparison of the antiviral effects of 5–methoxymethyl–deoxyuridine with 5–iododeoxyuridine, cytosine arabinoside, and adenine arabinoside. Babiuk LA, et al. **Antimicrob Agents Chemother** 8(6):643–50, Dec 75

Treatment of vaccinial keratitis with vidarabine. Hyndiuk RA, et al. **Arch Ophthalmol** 94(8):1363–4, Aug 76

Growth inhibition of cells in cultures and of vaccinia virus infected HeLa cells by derivatives of trifluorothymidine. Parkhurst JR, et al. **Chemotherapy** 22(3–4):221–31, 1976

Use of cell cultures with persistent virus infections to test the efficacy of antiviral compounds. Schwöbel W, et al. **Chemotherapy** 22(6):362–71, 1976

Synergism between antiviral drugs. pp. 179–89. Thiry L, et al.
In: Klastersky J, ed. Clinical use of combinations of antibiotics. New York, Wiley, 1975. QV 350 E105c 1974.

Proceedings: Effects of isatin beta–thiosemicarbazone–related compounds on vaccinia virus strains. Katz E, et al.
Isr J Med Sci 11(11):1209–10, Nov 75

Experiments on terminal disinfection by formaldehyde vapor in the case of smallpox. Grossgebauer K, et al.
J Clin Microbiol 2(6):516–9, Dec 75

Antiviral activity of adenine arabinoside and iododeoxyuridine in human fetal intestinal and tracheal organ cultures. Dolin R, et al. **J Infect Dis** 132(3):287–95, Sep 75

Plaque development by vaccinia–viruses on the chicken chorio–allantois under the influence of cyclophosphamide. Norpoth K, et al. **Z Krebsforsch** 83(4):275–83, 8 Aug 75

[RNA fragments, in vivo inhibitors of Shope fibroma and vaccinia virus multiplication] Beljanski M, et al.
C R Acad Sci [D] (Paris) 280(6):783–9, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Fluorescent antibody method in the study of an antiviral agent: 5–sulfamido––isatin–thiosemicarbazone]
Alexandrescu M, et al. **Rev Ig [Bacteriol]** 20(2):113–8, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

Modification of RNA by mRNA guanylyltransferase and mRNA (guanine–7–)methyltransferase from vaccinia virions. Martin SA, et al. **J Biol Chem** 250(24):9330–5, 25 Dec 75

Purification of mRNA guanylyltransferase and mRNA (guanine–7–) methyltransferase from vaccinia virions. Martin SA, et al. **J Biol Chem** 250(24):9322–9, 25 Dec 75

Modification of the 5'–terminus of mRNA by soluble guanylyl and methyl transferases from vaccinia virus. Ensinger MJ, et al. **Proc Natl Acad Sci USA** 72(7):2525–9, Jul 75

GROWTH & DEVELOPMENT

Rescue of vesicular stomatitis virus from homologous and heterologous interferon–induced resistance in human cell cultures by poxviruses. Thacore HR. **Infect Immun** 14(1):311–4, Jul 76

The effect of canaline on some events in vaccinia virus replication. Williamson JD, et al. **J Gen Virol** 30(1):81–9, Jan 76

Electron microscopy study of the development of neurovaccinia virus in rabbit blood leucocyte cultures. Jelínková A, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 19(3):321–8, 1975

High–voltage electron microscope study of the release of vaccinia virus from whole cells. Stokes GV. **J Virol** 18(2):636–43, May 76

Altered transfer RNA methylase in BHK cells after vaccinia virus infection. Nishimura C, et al.
Kitasato Arch Exp Med 48(1):9–18, Mar 75

The insertion of DNA into vaccinia virus. Morgan C.
Science 193(4253):591–2, 13 Aug 76

Biogenesis of vaccinia: specific inhibition of rapidly labeled host DNA in vaccinia inoculated cells. des Gouttes Olgiati D, et al. **Virology** 71(1):325–35, May 76

Host–induced influences on the syntheses of defective vaccinia particles. Gangemi JD, et al. **Virology** 73(1):165–72, Aug 76

Vaccinia virus reexamined: development and release. Morgan C. **Virology** 73(1):43–58, Aug 76

[Sensitivity of normal and Rous virus–transformed lines of Armenian hamster cells to infectious viruses] Nadzharian NU, et al. **Vopr Virusol** (2):167–71, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The vaccinia virus haemagglutinin: enzyme sensitivity and some physicochemical properties. Gurvin I, et al.
Acta Pathol Microbiol Scand [B] 84(4):165–9, Aug 76

Langerhans cells at the sites of vaccinia virus inoculation. Nagao S, et al. **Arch Dermatol Res** 256(1):23–31, 26 Jul 76

Antibodies to vaccinia and measles viruses in multiple sclerosis patients. Miyamoto H, et al. **Arch Neurol** 33(6):414–7, Jun 76

Interactions between vaccinia virus and sensitized macrophages in vitro. Koszinowski U, et al. **Arch Virol** 48(4):335–45, 1975

Induction and in Vitro demonstration of cellular immunity to DNA and RNA viruses in guinea–pigs. Koszinowski U, et al. **Clin Exp Immunol** 20(1):143–54, Apr 75

Oral immunization against smallpox. Hochstein–Mintzel V, et al. **Dev Biol Stand** 33:260–6, 1976

Altered serological and cellular reactivity to H–2 antigens after target cell infection with vaccinia virus. Koszinowski U, et al. **Nature** 257(5527):596–7, 16 Oct 75

Antibody titers by mixed agglutination to varicella–zoster, herpes simplex and vaccinia viruses in patients with multiple sclerosis. Ito M, et al. **Proc Soc Exp Biol Med** 149(4):835–9, Sep 75

Inactivation and freeze–drying of a purified vaccinia virus grown on chick embryo membranes. Hedström KG.
Z Immunitaetsforsch 143(4):333–43, May 72

In–vitro demonstration of cell–mediated immunity to vaccinia virus in man. Koszinowski U, et al.
Z Immunitaetsforsch 148(5):451–61, May 75

The effect of ethyl alcohol and beta–propiolactone inactivated vaccinia virus on the development of skin immunity and the production of hemagglutination inhibiting antibodies in guinea pigs, rabbits and monkeys. Lybing S, et al. **Z Immunitaetsforsch** 149(1):37–60, May 75

Study on experimental vaccinia virus infection in mice with special reference to host defence mechanisms. Prasad CB, et al. **Z Immunitaetsforsch** 148(2):97–111, Nov 74

[Adsorption of lymphocytes by cells infected by vaccinia virus] Saburi Y, et al. **C R Soc Biol (Paris)** 169(4):1114–6, 1975 (Eng. Abstr.) **(Fre)**

[Immunity after producing vaccinia generalisata during treatment with L–asparaginase in rabbits (author's transl)] Ricken KH, et al. **Immun Infekt** 2(1):78–82, Feb 74 (Eng. Abstr.) **(Ger)**

[Virulence and immunogenicity of a modified vaccinia virus (strain MVA) (author's transl)] Hochstein–Mintzel V, et al. **Z Immunitaetsforsch** 144(2):104–56, Sep 72 (Eng. Abstr.) **(Ger)**

[Our experiences with the 2–stage method of vaccination against smallpox (MVA virus pre–vaccination)] Rudkowski Z, et al. **Pediatr Pol** 51(5):497–503, May 76 (Eng. Abstr.) **(Pol)**

[Experimental study of the ability of different strains of vaccinia virus to induce autoantibody formation] Movsesiants AA, et al. **Vopr Virusol** (3):297–302, May–Jun 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Effect of smallpox vaccination on the product of conception. Mihăilescu R, et al. **Arch Roum Pathol Exp Microbiol** 34(1–2):67–74, Jan–Jun 75

Detection of vaccinia virus in blood of the experimentally infected rabbits. Blawat F, et al.
Bull Inst Marit Trop Med Gdynia 26(3–4):381–93, 1975

METABOLISM

Modification of the 5'–terminus of mRNA by guanylyl and methyl transferases from vaccinia virus. pp. 161–8. Moss B, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Evidence for an 'early early' vaccinia virus–induced protein which causes a density change of infected L–M cells. Ball RF, et al. **J Virol** 17(1):60–7, Jan 75

Synthesis of herpes simplex virus, vaccinia virus, and adenovirus DNA in isolated HeLa cell nuclei. I. Effect of viral–specific antisera and phosphonoacetic acid. Bolden A, et al. **J Virol** 16(6):1584–92, Dec 75

Polyamines in vaccinia virions and polypeptides released from viral cores by acid extraction. Lanzer W, et al.
J Virol 16(5):1254–64, Nov 75

Effect of 5–bromodeoxyuridine on vaccinia virus–induced polypeptide synthesis: selective inhibition of the synthesis of some post–replicative polypeptides. Pennington TH.
J Virol 18(3):1131–3, Jun 76

Phosphorylation of ribosomal proteins in HeLa cells infected with vaccinia virus. Kaerlein M, et al. **Nature** 259(5539):150–1, 15 Jan 76

Poxvirus DNA. II. Replication of vaccinia virus DNA in the cytoplasm of HeLa cells. Holowczak JA, et al.
Virology 72(1):134–46, 1 Jul 76

Effect of ATP and other nucleotides on the bleomycin–induced degradation of vaccinia virus DNA. Takeshita M, et al. **Virology** 69(2):453–63, Feb 76

PATHOGENICITY

Evaluation of measurements of infectious titers of the vaccinia virus in passaged human embryonic fibroblasts. Plachcińska J, et al. **Arch Immunol Ther Exp (Warsz)** 24(1):63–8, 1976

Vaccinia virus variants as presumable cause of vaccinial complications. Ehrengut W, et al. **Arch Virol** 48(3):229–38, 1975

Vaccinia virus meningitis in mice after intracerebral inoculation. Ginsberg AH, et al. **Infect Immun** 13(4):1221–7, Apr 76

The pathogenesis of Vaccinia virus toxicity. II. An electron microscopic study. Sottnek HM, et al. **Lab Invest** 33(5):522–32, Nov 75

The pathogenesis of Vaccinia virus toxicity. I. The role of virus–platelet interaction. Sottnek HM, et al. **Lab Invest** 33(5):514–21, Nov 75

[Studies on the marker behavior of various vaccinia virus strains] Glathe H, et al. **Z Gesamte Hyg** 21(12):904–8, 1975 (Eng. Abstr.) **(Ger)**

[TC marker of the attenuated vaccinia vaccide strain 'MVA' in human cell cultures and protective immunization against orthopox diseases in animals] Mayr A. **Zentralbl Veterinaermed [B]** 23(5–6):417–30, Jun 76 (Eng. Abstr.) **(Ger)**

[Susceptibility of mice to infection with vaccinia neuropathogenic strain as related to mice strain, age, sex and weight] Mészáros J, et al. **Med Dosw Mikrobiol** 28(1):49–35, 1976 (Eng. Abstr.) **(Pol)**

[The effect of Trichinella spiralis on the susceptibility and antibody production to vaccinia virus] Chimishkian KL, et al. **Vopr Virusol** (4):438–41, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Proceedings: Control of thymidine kinase synthesis in the cells infected with IHD strain of vaccinia virus. Zaslavsky V, et al. **Isr J Med Sci** 11(11):1210, Nov 75

[On the problem of persistence] Döll H. **Z Aerztl Fortbild (Jena)** 69(15):815–20, 1 Aug 75 **(Ger)**

ULTRASTRUCTURE

Electron microscopy of virus particles in ultrathin frozen sections. Novák M, et al. **Acta Virol (Praha)** 20(2):159–61, Apr 76

Presence of haemagglutinin in the envelope of extracellular vaccinia virus particles. Payne LG, et al. **J Gen Virol** 32(1):63–72, Jul 76

VACUOLATING AGENT see **SV40 VIRUS**

VACUOLES see under **CELLULAR INCLUSIONS**

VACUUM CURETTAGE see under **DILATATION AND CURETTAGE**

VACUUM EXTRACTION, OBSTETRICAL see under **EXTRACTION, OBSTETRICAL**

VAGINA

Plasma sex steroid and gonadotropin levels in control and silastic vaginal medroxyprogesterone acetate–impregnated ring cycles. Vermeulen A, et al. **Fertil Steril** 27(7):773–9, Jul 76

Prostatic acid phosphatase activity in the postcoital vagina. McCloskey KL, et al. **J Forensic Sci** 20(4):630–6, Oct 75

Controlled drug release from polymeric delivery devices. III: In vitro–in vivo correlation for intravaginal release of ethynodiol diacetate from silicone devices in rabbits. Chien YW, et al. **J Pharm Sci** 64(11):1776–81, Nov 75

Letter: Vaginal induction of pneumoperitoneum for laparoscopy. Ansari AH. **Obstet Gynecol** 48(2):251–2, AUG 76

[Transvaginal surgical approach in extracting Bartholin's cysts] Bakurdzhiev D. **Akush Ginekol (Sofiia)** 14(5):387–90, 1975 (Eng. Abstr.) **(Bul)**

[Rare case of a foreign body in a child] Mikhallova L, et al. **Akush Ginekol (Sofiia)** 14(5):417–21, 1975 **(Bul)**

[Histochemical and histological studies on the vagina of pigs with in various phases of the estrus cycle (author's transl)] Zagórowski T, et al. **Acta Histochem (Jena)** 55(1):124–46, 1976 (Eng. Abstr.) **(Ger)**

[Preventive irradiation of the vagina in the therapy of uterine carcinoma] Gorges K, et al. **Arch Gynaekol** 219(1–4):179, 18 Nov 75 **(Ger)**

[Acid and alkaline phosphatase activity in vagina fluid in healthy women and in women with planoepithelial cancer of the uterine cervix] Zaniewski A, et al. **Ginekol Pol** 46(12):1285–7, Dec 75 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Vaginal agenesis. Capraro VJ, et al. **Am J Obstet Gynecol** 124(1):98–107, 1 Jan 76

Lateral communicating double uterus with unilateral vaginal obstruction. Neves–E–Castro M, et al. **Am J Obstet Gynecol** 125(6):865–70, 15 JUl 76

Efficacy of pneumogynecography in the diagnosis of Meyer–Rokitansky–Küster–Hauser syndrome. Spasov SA, et al. **Am J Roentgenol** 126(2):413–5, Feb 76

Unilateral hematocolpos and ipsilateral renal agenesis: report of two cases and review of the literature. Yoder IC, et al. **Am J Roentgenol** 127(2):303–8, Aug 76

Congenital absence of the vagina. The Mayer–Rokitansky–Kuster–Hauser syndrome. Griffin JE, et al. **Ann Intern Med** 85(2):224–36, Aug 76 (119 ref.)

Uterovaginal agenesis. Williams EA. **Ann R Coll Surg Engl** 58(4):266–77, Jul 76

Mullerian defects. pp. 282–92. Evans TN. **In: Hafez ES, ed. The mammalian fetus: comparative biology and methodology. Springfield, Thomas, 1975. WQ 210 M265 1973.**

Vaginal atresia and cryptomenorrhea. Akinkugbe A. **Obstet Gynecol** 46(3):317–9, Sep 75

Congenital absence of the vagina. Clinical and psychologic aspects. David A, et al. **Obstet Gynecol** 46(4):407–9, Oct 75

Urologic and genital anomalies in patients with congenital absence of the vagina. Fore SR, et al. **Obstet Gynecol** 46(4):410–6, Oct 75

Uterus didelphys associated with unilateral imperforate vagina. Gilliland B, et al. **Obstet Gynecol** 48(1 Suppl):5S–8S, Jul 76

Two unusual conditions simulating ectopic ureterocele. Unilateral hydrometrocolpos with ipsilateral renal agenesis or hypoplasia, and ectopic ureteral opening into a seminal vesicle. Sutton TJ, et al. **Radiology** 117(2):381–4, Nov 75

Hereditary nephritis associated with vesicoureteral reflux and vaginal duplication. Bissada NK, et al. **Urology** 7(4):409–11, Apr 76

Congenital varicella syndrome with genitourinary anomalies. Klauber GT, et al. **Urology** 8(2):153–6, Aug 76

[Anatomo–clinical study of congenital absences of the vagina] Gagnaire JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(3):415–30, Apr–Mau 74 (Eng. Abstr.) **(Fre)**

[Asymmetric bifid uteri and vaginas with or without unilateral menstrual retention. Apropos of 19 cases] Robert HG, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(8):1235–54, Dec 74 **(Fre)**

[Aplasia of the vagina. Study of different surgical technics and their results. Apropos of 57 operated cases] Rochet Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):223–46, Mar 74 (Eng. Abstr.) **(Fre)**

[Gynecological remarks on the problem of the artificial vagina (author's transl)] Staemmler HJ. **Langenbecks Arch Chir** 339:417–20, Nov 75 (Eng. Abstr.) **(Ger)**

[Structural deviations of the vagina epithelium from fetal up to prepubertal age (author's transl)] Linhartová A. **Zentralbl Allg Pathol** 119(6):556–60, 1975 (Eng. Abstr.) **(Ger)**

[Construction of an artificial vagina in patient with the Rokitansky–Kuster–Hauser syndrome] Terzi I, et al. **Ann Osp Maria Vittoria Torino** 17(1–6):131–6, Jan–Jun 74 **(Ita)**

[The Rokitansky–Kuster–Hauser syndrome: value of celioscopy in its detection] pp. 525–31. Rossi T, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973.** **(Ita)**

[Unilateral atresia of the vagina caused by hymen in a case of double uterus and vagina] Gliński S. **Pol Tyg Lek** 30(36):1491–2, 8 Sep 75 (Eng. Abstr.) **(Pol)**

[Radiography of the pelvic organs as an objective method of evaluation of the effectiveness of peritoneal colpopoiesis] Levinson VB, et al. **Akush Ginekol (Mosk)** (6):67–8, Jun 75 **(Rus)**

[Medico–genetic consultation of girls with anomalies of the development of internal genital organs] Trepakov EA, et al. **Akush Ginekol (Mosk)** (10):26–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Morphologic characteristics of the late results of sigmoid colpopoiesis] Sapozhnikova MA. **Arkh Patol** 37(11):59–64, 1975 (Eng. Abstr.) **(Rus)**

[Use of colpocystogram in the diagnosis of genital malformations] Lazarevski M, et al. **God Zb Med Fak Skopje** 17:357–62, 1971 **(Ser)**

[8 cases of congenital absence of vagina: treatment with free skin graft for a new vagina] Alvarez González F, et al. **Ginecol Obstet Mex** 38(225):67–72, Jul 75 (Eng. Abstr.) **(Spa)**

[Obstructive congenital abnormalities of the female genitalia. 5 clinical cases] Ossandon Correa F, et al. **Rev Chil Pediatr** 46(2):135–7, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

ANALYSIS

The odors of the human vagina. Keith L, et al. **Arch Gynaekol** 220(1):1–10, 16 Dec 75

A correlative study of the cytomorphologic and cytochemical changes accompanying maturation and growth in the human vaginal epithelium. Malvi SG, et al. **Indian J Med Res** 63(2):220–8, Feb 75

N–nitrosamines in the human vaginal vault. Nunn JR, et al. **S Afr J Med Sci** 39(4):179–82, 1974

ANATOMY & HISTOLOGY

Clinical and endocrinologic characterization of a patients with the syndrome of incomplete testicular feminization. Madden JD, et al. **J Clin Endocrinol Metab** 41(4):751–60, Oct 75

BLOOD SUPPLY

Bovine vaginal circulation: changes during estrous cycle. Abrams RM, et al. **J Dairy Sci** 58(10):1528–30, Oct 75

[An attempt at classification of the vaginal arteries. Functional and surgical implications] Favier M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(2):193–207, Mar 75 (Eng. Abstr.) **(Fre)**

[Morpho–structural variations of the blood vessels of the vagina and uterus in relation to the estrous cycle] Colella G, et al. **Boll Soc Ital Biol Sper** 52(4):221–3, 28 Feb 76 **(Ita)**

CYTOLOGY

The numerical composition of cellular samples from the female reproductive tract. I. Carcinoma in situ. Bibbo M, et al. **Acta Cytol (Baltimore)** 19(5):438–47, Sep–Oct 75

Cytologic findings in female and male offspring of DES treated mothers. Bibbo M, et al. **Acta Cytol (Baltimore)** 19(6):568–72, Nov–Dec 75

An increased incidence of an androgen type cell in vaginal smears of pregnent women carrying femal foetus: possible significance. Khan AA, et al. **Acta Cytol (Baltimore)** 20(4):347–8, Jul–Aug 76

Study correlating endometrial biopsies and vaginal cytology in one hundred tubectomized women. Mehta P. **Acta Cytol (Baltimore)** 19(4):330–3, Jul–Aug 75

Immediate diagnosis in vaginal cytology using interference contrast microscopy (Nomarski). Wenger F. **Acta Cytol (Baltimore)** 20(1):79–82, Jan–Feb 76

Cyanophilic bodies in cervico–vaginal smears. Ziabkowski TA, et al. **Acta Cytol (Baltimore)** 20(4):340–2, Jul–Aug 76

Estrogen and antagonist–induced structural changes in the cervico–vaginal epithelium of immature rats. Anderson WA, et al. **Am J Anat** 144(2):197–207, Oct 75

Age–dependent sensitivity of basal cells in mouse vaginal epithelium towards the diferentiating action of estrogen. Galand P, et al. **Am J Anat** 144(4):533–9, Dec 75

An assessment of the vaginal biopsy technique of pregnancy diagnosis in sows. Williamson P, et al. **Aust Vet J** 51(2):91–3, Feb 75

Hormonal cytology. Meisels A, et al. **Clin Perinatol** 1(1):53–63, Mar 74

Local effects of polyethylene IUDs in women: mode of action, a synthetic vaccine, and a macrophagic immunity. pp. 465–8. Sağiroğlu N. **In: Hefnawi F, Segal SJ, ed. Analysis of intrauterine contraception. Amsterdam, North–Holland, 1975. W3 IN182AI 1974a.**

Stromal induction and specification of morphogenesis and cytodifferentiation of the epithelia of the Mullerian ducts and urogenital sinus during development of the uterus and vagina in mice. Cunha GR. **J Exp Zool** 196(3):361–70, Jun 76

Gynecologic specimen analysis by multiangle light scattering in a flow system. Salzman GC, et al. **J Histochem Cytochem** 24(1):308–14, Jan 76

Cathodoluminescence of biological molecules, macromolecules and cells. Barnett WA, et al. **J Microsc (Oxf)** 105(3):299–303, Dec 75

[Types of cytological smears at term. Second report] Trepechov S. **Akush Ginekol (Sofiia)** 13(6):455–60, 1974 **(Bul)**

[Types of cytological smears at term. First report] Trepechov S. **Akush Ginekol (Sofiia)** 13(6):448–54, 1974 (Eng. Abstr.) **(Bul)**

[Histochemical and histological investigations on the vagina of the beagle she–dog during various functional conditions (author's transl)] Wrobel KH, et al. **Acta Histochem (Jena)** 52(2):257–70, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Scanning electron microscopy studies on vaginal smears] Philipp E. **Arch Gynaekol** 219(1–4):542, 18 Nov 75 **(Ger)**

[Cytohormonal picture of the vaginal epithelium in girls with premature pubic hair (author's transl)] Doliwa–Taborska J. **Probl Med Wieku Rozwoj** 5:143–54, 1975 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Extra–ovarian effects of bovine prolactin and growth hormone on the vagina of the mouse. Kennedy TG, et al. **Aust J Biol Sci** 28(4):399–404, Aug 75

Persistent vaginal cornification in mice treated with estrogen prenatally. Kimura T. **Endocrinol Jpn** 22(6):497–502, Dec 75

Estrogenic & antiestrogenic properties of e–492, a nonsteroidal compound. Mehrotra PK, et al. **Indian J Exp Biol** 13(1):69–70, Jan 75

Cytological basis for permanent vaginal changes in mice treated neonatally with steroid hormones. Takasugi N. **Int Rev Cytol** 44:193–224, 1976 (75 ref.)

Mouse vaginal assay for topically effective chemotherapeutic agents. McCullough JL, et al. **J Invest Dermatol** 65(4):394–9, Oct 75

Exposure of neonatal mice to steroids: longterm effects on the mammary gland and other reproductive structures. Bern HA, et al. **J Steroid Biochem** 6(5):673–6, May 75

Neuropharmacological study on the induction of hypothalamic masculinization in female mice. Nishizuka M. **Neuroendocrinology** 20(2):157–65, 1976

[Effects of ethinyl estradiol compared with norethisterone (pure or contaminated) on vaginal keratinization of castrated rats] Chambon Y, et al. **C R Soc Biol (Paris)** 169(2):391–4, 1975 (Eng. Abstr.) **(Fre)**

[Effects of methotrexate on cervico–vaginal cytology] Ritter J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(4):507–25, Jun 75 (Eng. Abstr.) **(Fre)**

[Estrogenic action of cardiac glycosides. Clinical and animal experiment studies] Hofmann P, et al. **Fortschr Med** 93(27):1274–6, 25 Sep 75 (Eng. Abstr.) **(Ger)**

[Vaginal cytological studies on the new delayed–action estrogen–ethinylestradiol sulfonate] Hempel E, et al. **Zentralbl Gynaekol** 97(21):1281–6, 1975 (Eng. Abstr.) **(Ger)**

[Changes induced with progesterone in vaginal epithelium. II. Research on impuberal rats after administration of ovarian, adrenal and anterior pituitary hormones] Scandroglio R, et al. **Arch Ital Anat Embriol** 79(1–2):29–67, 1974 (Eng. Abstr.) **(Ita)**

[State of the uterine and vaginal epithelium and content of sex chromatin in rats after administration of sex hormones] Mudra NP. **Akush Ginekol (Mosk)** (10):20–2, Oct 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The embryology of the cervix. pp. 13–22. Mossman HW.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971.

The Diethylstilbestrol (DES) exposed female in Maine. A discussion with suggestions regarding identification and management applicable to our state. Zerner J, et al. **J Maine Med Assoc** 67(6):163–5, Jun 76

Vaginal embryogenesis, estrogens, and adenosis. Prins RP, et al. **Obstet Gynecol** 48(2):246–50, AUG 76

ENZYMOLOGY

Qualitative and quantitative determinations of acid phosphatase activity in vaginal washings. Gomez RR, et al. **Am J Clin Pathol** 64(4):423–32, Oct 75

Iso-electric focusing of seminal, faecal and vaginal acid phosphatases. Sutton J, et al. **Forensic Sci** 6(1–2):109–14, Aug–Oct 75

[Vaginal hyaluronidase activity in some pathological conditions. III. Cervico-vaginitis] Rosso G. **Minerva Ginecol** 27(7):537–44, Jul 75 (Eng. Abstr.) **(Ita)**

[Comparative studies on the cytohormonal and cytochemical exponents of estrogens–progesterone activity in the vaginal lining epithelium in women with pregnancy complications. I. Threatened abortion] Dudkiewicz J. **Ginekol Pol** 46(11):1133–46, Nov 75 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Sterility and delayed vaginal opening following electrolytic lesions placed neonatally in medial preoptic area in female rats. Hayashi S, et al. **Endocrinol Jpn** 22(5):409–13, Oct 75

IMMUNOLOGY

Antitrichomonal antibody in the vaginal secretions of women infected with T. vaginalis. Ackers JP, et al. **Br J Vener Dis** 51(5):319–23, Oct 75

Studies on the differentiation pattern and hormonal sensitivity of an antigenic material specific for the cervicovaginal epithelium in fetal and neonatal mice. Doskeland SO, et al. **Dev Biol** 48(1):184–90, Jan 76

Studies of introital colonization in women with recurrent urinary infections. V. The inhibitory activity of normal vaginal fluid on Proteus mirabilis and Pseudomonas aeruginosa. Stamey TA, et al. **J Urol** 115(4):416–7, Apr 76

Studies of introital colonization in women with recurrent urinary infections. IV. The role of local vaginal antibodies. Stamey TA, et al. **J Urol** 115(4):413–5, Apr 76

Australia antigen (HB Ag) in genitourinary secretions of Nigerians. Osoba AO, et al. **Trop Geogr Med** 27(2):181–4, Jun 75

[Immunoglobulins A in the vagina. Assay and study of their specificity] Thierry RC, et al. **Pathol Biol (Paris)** 23(5):367–70, May 75 (Eng. Abstr.) **(Fre)**

[A possible cause of conjugal sterility. Damage of nematospermia by ABO antibodies present in the vagina] Bettocchi S, et al. **Minerva Ginecol** 27(7):545–52, Jul 75 (Eng. Abstr.) **(Ita)**

INJURIES

[Vaginal impalement-injury with intraperitoneal foreign body in a 5-year-old child] Hassan VB, et al. **Zentralbl Gynaekol** 98(5): 272–4, 1976 (Eng. Abstr.) **(Ger)**

INNERVATION

Quantitative evaluation of sensory nerve endings in hypertrophy of labia minora pudendi in women. Malinovský L, et al. **Acta Anat (Basel)** 92(1):129–44, 1975

Response properties and anatomical organization of pontine and medullary units responsive to vaginal stimulation in the cat. Rose JD. **Brain Res** 97(1):79–93, 24 Oct 75

Responses of caudal brain stem neurons to vaginal and somatosensory stimulation in the rat and evidence of genital–nociceptive interactions. Hornby JB, et al. **Exp Neurol** 51(2):363–76, May 76

New observations on the anatomical features of the human vagina and cervix. Dimond RL, et al. **J Am Med Wom Assoc** 30(8):323–5, 330–1, Aug 75

[Adrenergic and cholinergic control of oxytocin release evoked by vaginal, vagal and mammary stimulation in lactating rats (author's transl)] Moos F, et al. **J Physiol (Paris)** 70(3):315–32, Nov 75 (Eng. Abstr.) **(Fre)**

[Level of oxytocin release induced by vaginal dilatation (Ferguson reflex) and vagal stimulation (vago-pituitary reflex) in lactating rats (author's transl)] Moos F, et al. **J Physiol (Paris)** 70(3):307–14, Nov 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Oestrogen-related changes in uterine and vaginal cAMP and cGMP. Flandroy L, et al. **Arch Int Physiol Biochim** 83(5):965–7, Dec 75

Absorption of antibodies from the baboon vagina. Beck LR, et al. **Biol Reprod** 13(1):10–6, Aug 75

Impaired binding of estradiol to vaginal mucosal cells in post-menopausal osteoporosis. Bartizal FJ, et al. **Calcif Tissue Res** 21 Suppl:412–6, Aug 76

Non-absorption of furazolidone from the vagina in women. Marion-Landais G, et al. **Curr Ther Res** 18(3):510–2, Sep 75

Induction of vaginal mucification in rats with testosterone and 17beta-hydroxy-5alpha-androstan-3-one. Kennedy TG, et al. **Steroids** 27(3):423–30, Mar 76

[Role of gonadotrophins in mediating the effect of progesterone. I. Histochemical and ultrastructural studies on the rat vaginal epithelium (author's transl)] Scandroglio R, et al. **Ateneo Parmense [Acta Biomed]** 46(6):609–48, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Comparative studies of cytochemical and cytohormonal exponents of estrogen–progestsrone action in vaginal lining epithelium of women with complicated pregnancy. II. Prolonged pregnancy] Dudkiewicz J. **Ginekol Pol** 47(1):19–32, Jan 76 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Toxoplasma cysts in vaginal smears. Domínguez A, et al. **Acta Cytol (Baltimore)** 20(3):269–71, May–Jun 76

The effect of antibiotic prophylaxis on patients undergoing vaginal operations. II. Alterations of microbial flora. Ohm MJ, et al. **Am J Obstet Gynecol** 123(6):597–604, 15 Nov 75

Introital bacterial flora – effect of increased frequency of micturition. Seddon JM, et al. **Br J Urol** 48(3):211–8, Jun 76

The microbial flora of the vagina and its relationship to bacteriuria in diabetic and non-diabetic women. Williams DN, et al. **Br J Urol** 47(4):453–7, Aug 75

Group B streptococci in the female genital tract. Finch RG, et al. **Br Med J** 1(6020):1245–7, 22 May 76

Vaginal flora and its role in disease entities. Galask RP, et al. **Clin Obstet Gynecol** 19(1):61–81, Mar 76

The frequency of genital mycoplasma infection in human fertility. Matthews CD, et al. **Fertil Steril** 26(10):988–90, Oct 75

Experimental group B streptococcal infections in mice: hematogenous virulence and mucosal colonization. Furtado D. **Infect Immun** 13(5):1315–20, May 76

Adherence of bacterial to vaginal epithelial cells. Mårdh PA, et al. **Infect Immun** 13(3):661–6, Mar 76

The effect of hysterectomy on colonization of the vaginal vestibule with Escherichia coli. Schaeffer AJ, et al. **Invest Urol** 14(1):10–2, Jul 76

Pre-operative disinfection of the vagina. Duignan NM, et al. **J Antimicrob Chemother** 1(1):117–20, Mar 75

Comparison of bacteriological methods for the isolation of group of B Streptococcus from vaginal cultures. Baker CJ, et al. **J Clin Microbiol** 4(1):46–8, Jul 76

Comparative isolation of vaginal yeasts on selective and nonselective media. Brashear MD, et al. **J Clin Microbiol** 3(6):640–2, Jun 76

Pagano–Levin Candida test medium: evaluation using vaginal samples. Sinski JT, et al. **J Clin Microbiol** 1(2):206–11, Feb 75

Microbial flora of the lower genital tract during pregnancy: relationship to morbidity. de Louvois J, et al. **J Clin Pathol** 28(9):731–5, Sep 75

Micro-organisms and the appearance of leucocytes in the vaginal wall of cyclic female rats at metoestrus. Van Der Schoot P. **J Reprod Fertil** 45(1):61–8, Oct 75

Studies of introital colonization in women with recurrent urinary infections. I. The role of vaginal pH. Stamey TA, et al. **J Urol** 114(2):261–3, Aug 75

Studies of introital colonization in women with recurrent urinary infections. V. The inhibitory activity of normal vaginal fluid on Proteus mirabilis and Pseudomonas aeruginosa. Stamey TA, et al. **J Urol** 115(4):416–7, Apr 76

Studies of introital colonization in women with recurrent urinary infection. VI. Analysis of segmented leukocytes on the vaginal vestibule in relation to enterobacterial colonization. Stamey TA, et al. **J Urol** 116(1):72–3, Jul 76

Vaginal flora in asymptomatic women. Tashjian JH, et al. **Mayo Clin Proc** 51(9):557–61, Sep 76

Letter: Petriellidium boydii from the reproductive tracts of mares. Carter ME, et al. **NZ Vet J** 23(1–2):13, Jan–Feb 75

[Modification of vaginal bacteriological classification] Kuczyńska K. **Ginekol Pol** 46(8):905–12, Aug 75 (Eng. Abstr.) **(Pol)**

[Bacteriological aspects of the vaginal tract of bitches (author's transl)] Moreno G, et al. **Arq Inst Biol (Sao Paulo)** 40(1):59–62, Jan–Mar 73 (Eng. Abstr.) **(Por)**

[Bacteriologic study of aerobes and anaerobes in the vaginal flora of pregnant women and in incomplete septic abortion] Galan G, et al. **Rev Chil Obstet Ginecol** 39(6):238–43, 1974 **(Spa)**

PARASITOLOGY

Letter: Enterobius vermicularis larvae in vaginal smears. San Cristobal A, et al. **Acta Cytol (Baltimore)** 20(3):190–2, May–Jun 76

The ultrastructure of Trichomonas vaginalis donné before and after transfer from vaginal secretion to Diamonds medium. Nielsen MH. **Acta Pathol Microbiol Scand [Suppl]** 83(6):581–9, Dec 75

PATHOLOGY

The numerical composition of cellular samples from the female reproductive tract. II. Cases with invasive squamous carcinoma of uterine cervix. Bibbo M, et al. **Acta Cytol (Baltimore)** 20(3):249–54, May–Jun 76

Role of vaginal cytology in normal and abnormal pregnancies. Aikat M. **Indian J Med Res** 63(5):746–55, May 75

Vaginal cytology in carcinoma cervix. Pande K, et al. **Indian J Med Res** 63(1):1–5, Jan 75

Elastic tissue of the vagina in genital prolapse. A morphological study. el-Kholi GY, et al. **J Egypt Med Assoc** 58(3–4):196–204, 1975

Evaluation and management of DES-exposed women. Stafl A. **J Reprod Med** 16(6):289, Jun 76

[Is post-radiotherapy dysplasia of the uterine cervix a true dysplasia (author's transl)] Marsan C, et al. **Arch Anat Cytol Pathol** 24(2):101–9, 1976 (Eng. Abstr.) **(Fre)**

[Cervico-vaginal cytology in anemia caused by folic acid deficiency. Preliminary study] Ritter J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(3):255–70, Apr–May 73 (Eng. Abstr.) **(Fre)**

[The colpocytogram of folic acid deficiencies in pregnancy. Developmental aspects] Ritter J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(5):685–95, Jul–Aug 74 (Eng. Abstr.) **(Fre)**

[Vaginal cytology in induced abortion] Dossland S, et al. **Tidsskr Nor Laegeforen** 96(16):937–8, 10 Jun 76 (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Excitation of supraoptic neurones by vaginal distention in lactating rats; correlation with neurohypophysial hormone release. Dreifuss JJ, et al. **Brain Res** 113(3):600–5, 3 Sep 76

Portable device for vaginal thermal conductance studies. Abrams RM, et al. **Gynecol Invest** 6(5):307–13, 1975

Sperm transport through the mammalian cervix: comparative aspects. pp. 285–304. Blandau RJ.
In: Blandau RJ, Moghissi K, ed. The biology of the cervix. Chicgo, Univ stet of Chicago Press, 1973. WQ 205 B618 1971. (50 ref.)

Vaginal stimulation in rats induces prolonged lordosis responsiveness and sexual receptivity. Rodriguez-Sierra JF, et al. **J Comp Physiol Psychol** 89(1):79–85, Mar 75

Detection of estrus in dairy cows by electrical measurements of vaginal mucus and by milk progesterone. Gartland P, et al. **J Dairy Sci** 59(5):982–5, May 76

Proceedings: Transuterine, transendocervical and transvaginal potential differences in conscious woman measured in situ. Duncan SL, et al. **J Physiol (Lond)** 259(1):27P–28P, Jul 76

A comparison of in-vitro fertilization of rabbit eggs using spermatozoa recovered from the uterus or vagina. Dandekar P, et al. **J Reprod Fertil** 46(1):77–81, Jan 76

Pregnancy blocking in the vole, Microtus agrestis. II. Ovarian, uterine and vaginal changes. Milligan SR. **J Reprod Fertil** 46(1):97–100, Jan 76

Analgesic effect of vaginal stimulation in rats: modulation by graded stimulus intensity and hormones. Crowley WR, et al. **Physiol Behav** 16(4):483–8, Apr 76

Letter: Electrical method of detecting optimum time to inseminate. Edwards DF, et al. **Vet Rec** 98(26):532–3, 26 Jun 76

[Vaginal and clitorial excitability in females] Kratochvíl S. **Cesk Gynekol** 40(6):432–7, Jul 75 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

Case profile: extravagram. Stanfield BM, et al. **Urology** 7(1):97, Jan 76

[Colpocystogram, a method for studying the statics of the organs in the lesser pelvis] Doganov N, et al. **Akush Ginekol (Sofiia)** 14(6):480–4, 1975 **(Bul)**

[Vaginal discharge in childhood (author's transl)] Förster A. **Roentgenblaetter** 28(10):477–82, Oct 75 (Eng. Abstr.) **(Ger)**

[Demonstration of position variations of the female ureter in the work urethrocystocolporectogram] Kümper HJ, et al. **Zentralbl Gynaekol** 97(20):1217–1223, 1975 (Eng. Abstr.) **(Ger)**

SECRETION

Volatile constituents of human vaginal secretions. Huggins GR, et al. **Am J Obstet Gynecol** 126(1):129–36, 1 Sep 76

Isolation of substances from human vaginal secretions previously shown to be sex attractant pheromones in higher primates. Sokolov JJ, et al. **Arch Sex Behav** 5(4):269–74, Jul 76

Lack of effect of vaginal lavages and aliphatic acids on ejaculatory responses in rhesus monkeys: behavioral and chemical analyses. Goldfoot DA, et al. **Horm Behav** 7(1):1–27, Mar 76

Changes in bovine cervical and vaginal mucus during the estrous cycle and early pregnancy. Noonan JJ, et al. **J Anim Sci** 41(4):1084–9, Oct 75

Male hamster preference for odors of female hamster vaginal discharges: studies of experiential and hormonal determinants. Gregory E, et al. **J Comp Physiol Psychol**

89(5):442–6, Jul 75

Studies of introital colonization in women with recurrent urinary infections. II. A comparison of growth in normal vaginal fluid of common versus uncommon serogroups of Escherichia coli. Stamey TA, et al. **J Urol** 114(2):264–7, Aug 75

Studies of introital colonization in women with recurrent urinary infections. III. Vaginal glycogen concentrations. Stamey TA, et al. **J Urol** 114(2):268–70, Aug 75

Use of vaginal concretions of calcium carbonate to detect ovulation in hamsters. Alleva JJ, et al. **Lab Anim Sci** 26(1):57–62, Feb 76

Changes in the intensity and pleasantness of human vaginal odors during the menstrual cycle. Doty RL, et al. **Science** 190(4221):1316–8, 26 Dec 75

[Acid and alkaline phosphatase activity in vagina fluid in healthy women and in women with planoepithelial cancer of the uterine cervix] Zaniewski A, et al. **Ginekol Pol** 46(12):1285–7, Dec 75 (Eng. Abstr.) **(Pol)**

[Mammalian pheromones: study of the volatile acid composition of vaginal secretions in the mink Mustela vision Briss] Sokolov VE, et al. **Dokl Akad Nauk SSSR** 228(1):225–7, May–Jun 76 **(Rus)**

SURGERY

Vaginal and cervical cytologic changes following laser treatment. Holmquist ND, et al. **Acta Cytol (Baltimore)** 20(4):290–4, Jul–Aug 76

Vaginal repair in the radical operation for cervical carcinoma. Saito M, et al. **Acta Obstet Gynecol Scand** 55(2):151–4, 1976

Vaginal reconstruction following extensive treatment for pelvic cancer. Watring WG, et al. **Am J Obstet Gynecol** 125(6):809–15, 15 JUl 76

A new self-retaining vaginal retractor. Wexler DJ. **Am J Obstet Gynecol** 124(4):436–8, 15 Feb 76

Automatic bladder irrigation after vaginal surgery. Chamberlain G, et al. **Br J Urol** 47(6):641–3, Dec 75

Letter: Sexual life after gynaecological operations. MacDonald CR. **Br Med J** 3(5981):487, 23 Aug 75

Agenesis of the vagina: report of case. Raskin MB. **J Am Osteopath Assoc** 75(2):206–10, Oct 75

Secondary surgical treatment of the masculinized external genitalia of patients with virilizing adrenal hyperplasia. Jones HW Jr, et al. **Obstet Gynecol** 48(1):73–5, Jul 76

Colpotomy drainage of pelvic abscess. Rubenstein PR, et al. **Obstet Gynecol** 48(2):142–5, AUG 76

Vaginal reconstruction with gracilis myocutaneous flaps. McCraw JB, et al. **Plast Reconstr Surg** 58(2):176–83, Aug 76

Reducing the incidence of complications in vaginal surgery. Fox LP. **Trans Pac Coast Obstet Gynecol Soc** 42:70–1, 1975

[Results of the use of estriol in vaginoplasties (post–menopause)] Gnafakis N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 2(8):1019–28, Nov—Dec 73 (Eng. Abstr.) **(Fre)**

[Suspension of the vagina to the pyramidalis muscles. Modification of the Marhall–Marchetti operation] Parent B. **J Gynecol Obstet Biol Reprod (Paris)** 2(5):553–60, Jul–Aug 73 (Eng. Abstr.) **(Fre)**

[Modification of the Marshall–Marchetti technic. Suspension of the vagina to the pyramidal muscles] Parent B. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):290–3, 1972 **(Fre)**

[Posterior colpocelitomy as a diagnostic and therapeutic procedure] Bleier W. **Arch Gynaekol** 219(1–4):259–60, 18 Nov 75 **(Ger)**

[Copoceliotomy for diagnosis, therapy, tubal sterilization] Nölke EL. **Arch Gynaekol** 219(1–4):258–9, 18 Nov 75 **(Ger)**

[Construction of the vagina by means of split–skin or mucosal grafts (author's transl)] Wilflingseder P. **Langenbecks Arch Chir** 339:403–12, Nov 75 (Eng. Abstr.) **(Ger)**

[Construction of the vagina with transposition of the signoid colon (author's transl)] Zängl A. **Langenbecks Arch Chir** 339:413–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Wertheim's radical operation with vaginal reconstruction by means of the signoid colon in young women (author's transl)] Grünberger V, et al. **Wien Klin Wochenschr** 87(20):671–4, 31 Oct 75 (Eng. Abstr.) **(Ger)**

[Suprapubic transvesical surgical treatment of vesicovaginal fistulas] Akkilic M, et al. **Z Urol Nephrol** 67(9):653–6, Sep 74 **(Ger)**

[Data on surgical technic in stress urinary incontinence] Cappello F, et al. **Minerva Ginecol** 27(9):722–32, Sep 75 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of different methods of colpopoesis] Kurbanova AG, et al. **Akush Ginekol (Mosk)** (8):24–8, Aug 75 (Eng. Abstr.) **(Rus)**

[Vaginal surgery in stress urinary incontinence. Evaluation of results] González Luna D, et al. **Ginecol Obstet Mex** 39(234):297–303, Apr 76 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

The fine structure of exfoliated cervical and vaginal cells. Dembitzer HM, et al. **Acta Cytol (Baltimore)** 20(3):243–8, May–Jun 76

Letter: Detached ciliary tufts in cervico–vaginal smears. Rilke F, et al. **Acta Cytol (Baltimore)** 20(3):189–90, May–Jun 76

Scanning and transmission electron microscopic studies of vaginal adenosis and the cervical transformation zone in progeny exposed in utero to diethylstilbestrol. Fenoglio CM, et al. **Am J Obstet Gynecol** 126(2):170–80, 15Sep 76

The exfoliating cervico–vaginal surface. II. Scanning electron microscopical studies during the estrous cycle in mice. Rubio CA. **Anat Rec** 185(3):359–72, Jul 76

Histological and ultraststructural studies of a case of rhabdomyoma polyposum vaginae. Hański W, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):47–8, 1976

VAGINAL CREAMS, FOAMS AND JELLIES

Standardization of cumulative failure rates. Herson J. **Demography** 12(3):467–70, Aug 75

[Alternative to hormonal contraception? Significance and reliability of a contraceptive foam ovulum applied vaginally] Brehm H, et al. **Med Welt** 26(36):1610–7, 5 Sep 75 **(Ger)**

PHARMACODYNAMICS

The effect of vaginal lubricants on Neisseria gonorrhoeae. Singh B, et al. **Am J Obstet Gynecol** 126(3):365–9, 1 Oct 76

The effect of vaginal lubricants on sperm motility in vitro. Goldenberg RL, et al. **Fertil Steril** 26(9):872–3, Sep 75

VAGINAL DISEASES

Management of vaginal adenosis at the Hospital of the University of Pennsylvania. Celebre JA. **J Reprod Med** 16(6):293, Jun 76

Procedures for managing patients with histories of exposure to estrogenic substances in utero. Trombetta GC. **J Reprod Med** 16(6):294, Jun 76

CHEMICALLY INDUCED

Cytologic findings in stilbestrol exposed females with emphasis on detection of vaginal adenosis. Hart WR, et al. **Acta Cytol (Baltimore)** 20(1):7–14, Jan–Feb 76

Prompt regression of cystic vaginal adenosis following cessation of oral contraceptive therapy. Strand CL, et al. **Am J Clin Pathol** 64(4):483–7, Oct 75

Benign cervical and vaginal changes associated with exposure to stilbestrol in utero. Sandberg EC. **Am J Obstet Gynecol** 125(6):777–89, 15 JUl 76

Vaginal adenosis and other diethylstilbestrol–related abnormalities. Herbst AL, et al. **Clin Obstet Gynecol** 18(3):185–94, Sep 75

Identification, examination, and management of diethylstilbestrol–exposed offspring. Noller KL, et al. **Clin Obstet Gynecol** 19(3):699–705, Sep 76

Deciduoma formation in rats with cornified vagina. Takewaki K, et al. **Experientia** 32(2):224–6, 15 Feb 76

The Diethylstilbestrol (DES) exposed female in Maine. A discussion with suggestions regarding identification and management applicable to our state. Zerner J, et al. **J Maine Med Assoc** 67(6):163–5, Jun 76

Colposcopic findings in offspring of DES–treated mothers as related to onset of therapy. Sonek M, et al. **J Reprod Med** 16(2):65–71, Feb 76

Letter: Diethylstillbestrol adenosis and dysfunctional uterine bleeding. Williamson HO, et al. **JAMA** 235(16):1687, 19 Apr 76

COMPLICATIONS

Lateral communicating double uterus with unilateral vaginal obstruction. Neves–E–Castro M, et al. **Am J Obstet Gynecol** 125(6):865–70, 15 JUl 76

Echinococcosis of the rectovaginal septum. Hakami M, et al. **Am J Proctol** 27(4):43–44, Aug 76

Microbial flora of the lower genital tract during pregnancy: relationship to morbidity. de Louvois J, et al. **J Clin Pathol** 28(9):731–5, Sep 75

Morbidity of the lower genital tract during pregnancy. Stanley VC, et al. **J Clin Pathol** 28(9):736–40, Sep 75

Squamous cell carcinoma of the vagina associated with vaginal adenosis. Veridiano NP, et al. **Obstet Gynecol** 47(6):689–92, Jun 76

[Case of Rokitansky–Kuster–Hauser syndrome coexisting with congenital urinary tract malformation] Krajewski J, et al. **Ginekol Pol** 47(3):313–5, Mar 76 (Eng. Abstr.) **(Pol)**

[Eventration of the small intestine through rupture in the rectal wall and the posterior wall of the vagina] Bersenev VI. **Klin Khir** (8):71–2, Aug 75 **(Rus)**

CONGENITAL

Hydrocolpos. Galviya UD, et al. **Br J Urol** 47(4):449–52, Aug 75

DIAGNOSIS

Benign melanosis of the vagina and cervix. Tsukada Y. **Am J Obstet Gynecol** 124(2):211–2, 15 Jan 76

Letter: Disposable bacteriological loops and vaginal discharge. Sparks RA, et al. **Br Med J** 1(6016):1017–8, 24 Apr 76

The mangement of DES–exposed patients at the Medical College of Pennsylvania. Schmitt AW. **J Reprod Med** 16(6):297–8, Jun 76

Value of screening procedures for the detection of vaginal adenosis. Gunning JE, et al. **Obstet Gynecol** 47(3):268–71, Mar 76

Editorial: Problems in the examination of the DES–exposed female. Herbst AL, et al. **Obstet Gynecol** 46(3):353–5, Sep 75

Letter: Adenosis. Kurman RJ, et al. **Obstet Gynecol** 46(3):373–4, Sep 75

Cellular detection of vaginal adenosis. NG AB, et al. **Obstet Gynecol** 46(3):323–8, Sep 75

Letter: Adenosis. Sternberg WH. **Obstet Gynecol** 46(4):500–1, Oct 75

[The role of vaginal infection in maternal morbidity (author's transl)] Konečná L, et al. **Cesk Gynekol** 41(3):172–3, May 76 **(Cze)**

[Reactive and neoplastic cells in vaginal cytology. Follow–up study of primary benign smears with reactive changes] Berner A. **Tidsskr Nor Laegeforen** 96(8):516–8, 20 Mar 76 (Eng. Abstr.) **(Nor)**

DRUG THERAPY

Therapeutic failure of miconazole in the treatment of torulopsis glabrata infection in the vagina. Notowicz A. **Mykosen** 18(6):285–7, Jun 75

[Clinical testing of the vaginal paste Oestro–Gynedron] Schuck W. **Munch Med Wochenschr** 117(35):1391–2, 29 Aug 75 **(Ger)**

[Contribution to the therapy of vulvuovaginal mycoses (author's transl)] Wenzel–Heiniger K. **Praxis** 65(10):287–8, 9 Mar 76 (Eng. Abstr.) **(Ger)**

[The effectiveness of Clotrimazol in the treatment of vaginal mycoses in girls] Rzepka I. **Ginekol Pol** 47(1):107–10, Jan 76 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of Betadin in the treatment of vaginal infections] Sternadel Z, et al. **Ginekol Pol** 47(1):111–4, Jan 76 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Intravaginal and intrauterine refluxing of urine in children; intravaginal refluxing of urine in women: some postulates arising from these findings. Beale G. **Australas Radiol** 19(2):194–8, Jun 75

Generalized fatal BaSO4 embolism from vaginal application of colonographic enema. A case report. Partanen–Talsta A, et al. **Forensic Sci** 6(1–2):9–15, Aug–Oct 75

Capillary hemangioma of the uterine cervix: an unusual cause of vaginal bleeding in a child. Mares AJ, et al. **J Pediatr Surg** 11(1):105–6, Feb 76

Genital infection of female hamsters with herpesvirus hominis type 2 (HVH–2). Renis HE. **Proc Soc Exp Biol Med** 150(3):723–7, Dec 75

[Menopause: its effects on the genourinary tract] Netter A. **Sem Hop Ther** 50(10):647–8, Dec 74 **(Fre)**

[Vaginal epithelium, endometrium and IUD] pp. 377–93. Cianci S, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973.** **(Ita)**

MICROBIOLOGY

Unusual mycotic findings in cytodiagnosis. Colino GD, et al. **Acta Cytol (Baltimore)** 20(4):288–9, Jul–Aug 76

Actinomycetes in cervico–vaginal smears: an association with IUD usage. Gupta PK, et al. **Acta Cytol (Baltimore)** 20(4):295–7, Jul–Aug 76

Letter: Toxoplasma cysts in vaginal and cervical smears. San Cristobal A, et al. **Acta Cytol (Baltimore)** 20(4):285–6, Jul–Aug 76

Are yeasts in vaginal smears intracellular or extracellular? Schnell JD, et al. **Acta Cytol (Baltimore)** 20(4):343–6, Jul–Aug 76

Vaginal flora and its role in disease entities. Galask RP, et al. **Clin Obstet Gynecol** 19(1):61–81, Mar 76

[Incidence of the Blastomyces and Trichomonad infections during the use of hormonal and intrauterine contraception] Birnbaum H, et al. **Zentralbl Gynaekol** 97(25):1636–40, 1975 (Eng. Abstr.) **(Ger)**

[Role of vaginal flora in obstetric infection] Ibaceta E, et al. **Rev Chil Obstet Ginecol** 38(3):111–7, 1973 **(Spa)**

[Vaginal flora and its role in postcesarean infection] Schulz R, et al. **Rev Chil Obstet Ginecol** 38(2):84–90, 1973 **(Spa)**

NURSING

Nurse practitioner management of common respiratory and genitourinary infections, using protocols. Komaroff AL, et al. **Nurs Res** 25(2):84–9, Mar–Apr 76

OCCURRENCE

Infections of the genito–urinary tract in young adult female university students. Murray C, et al. **Public Health** 89(6):287–96, Sep 75

PATHOLOGY

Vaginal adenosis. Analysis of 325 biopsy specimens from 100 patients. Antonioli DA, et al. **Am J Clin Pathol** 64(5):625–38, Nov 75

Scanning and transmission electron microscopic studies of vaginal adenosis and the cervical transformation zone in progeny exposed in utero to diethylstilbestrol. Fenoglio CM, et al. **Am J Obstet Gynecol** 126(2):170–80, 15Sep 76

Animal model of human disease: adenosis and clear–cell carcinomas of vagina and cervix. Forsberg JG.

Am J Pathol 84(3):669–72, Sep 76

Histopathologic spectrum of vaginal adenosis and related changes in stilbestrol–exposed females. Hart WR, et al. **Cancer** 37(2):763–75, Feb 76

Evaluation and management of DES–exposed women. Stafl A. **J Reprod Med** 16(6):289, Jun 76

[Leptothrix vaginalis. Morphological studies] von Maseela T. **Fortschr Med** 94(16):295–8, 19 Feb 76 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Unilateral hematocolpos and ipsilateral renal agenesis: report of two cases and review of the literature. Yoder IC, et al. **Am J Roentgenol** 127(2):303–8, Aug 76

SURGERY

Vaginal and cervical cytologic changes following laser treatment. Holmquist ND, et al. **Acta Cytol (Baltimore)** 20(4):290–4, Jul–Aug 76

Repair of enterocele (posterior vaginal wall hernia). Bemis GG. **Clin Obstet Gynecol** 18(3):3–19, Sep 75

Management of vaginal adenosis and related cervicovaginal disorders in DES–exposed progeny by means of carbon dioxide laser surgery. Bellina JH, et al. **J Reprod Med** 16(6):295–6, Jun 76

[Preoperative treatment by gynecologic Ultra–yeast in the vaginal surgery] Touré P, et al. **Bull Soc Med Afr Noire Lang Fr** 19(4):377–83, 1974 (Eng. Abstr.) **(Fre)**

THERAPY

Treatment of vaginismus by i.v. diazepam (Valium) abreaction interviews. Mikhail AR. **Acta Psychiatr Scand** 53(5):328–32, May 76

Management of vaginal adenosis at Beth Israel Hospital, Boston. Burke L. **J Reprod Med** 16(6):291–2, Jun 76

Management of adenosis. Townsend DE. **J Reprod Med** 16(6):290, Jun 76

VETERINARY

Diseases of the vulva, vagina and cervix of the thoroughbred mare. Thornbury RS. **NZ Vet J** 23(11):277–80, Nov 75

VAGINAL FISTULA

[The diagnosis and therapy of urethro–vaginal fistulas] Richter K, et al. **Gynaekol Rundsch** 15(4):292–300, 1975 **(Ger)**

[Uretero–vaginal fistulas] Kan DV. **Sov Med** (7):60–2, Jul 75 **(Rus)**

COMPLICATIONS

[Urethrovaginal fistulas with urinary incontinence] Held E. **Gynaekol Rundsch** 15 suppl 1:96–8, 1975 **(Ger)**

ETIOLOGY

Ureterovaginal fistula as a complication of radical pelvic surgery. Macasaet MA, et al. **Am J Obstet Gynecol** 124(7):757–60, 1 Apr 76

SURGERY

[Treatment of a small intestine–vaginal fistula by means of Paragalalith (tissue adhesive)] Petrich P, et al. **Zentralbl Gynaekol** 97(21):1336–40, 1975 (Eng. Abstr.) **(Ger)**

[Endoscopic treatment of uretero–vaginal fistulae] Sesia G, et al. **Minerva Urol** 27(6):262–7, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Surgical treatment of a bladder–vaginal fistula] Moroz MA. **Pediatr Akush Ginekol** (6):58–9, Nov–Dec 75 **(Rus)**

VAGINAL NEOPLASMS

Diffuse vaginal adenosis. Three cases combined with imperforate hymen and haematocolpos. Hansen K, et al. **Acta Obstet Gynecol Scand** 54(3):287–92, 1975

Solitary metastasis from renal cell carcinoma. Tolia BM, et al. **J Urol** 114(6):836–8, Dec 75

Carcinoma in situ of the vagina. A study and review. Gallup DG, et al. **Obstet Gynecol** 46(3):334–40, Sep 75

Primary malignant melanoma of the vagina. Deutsch M, et al. **Oncology** 30(6):509–16, 1974

Cancer of the vagina. Davis PC, et al. **South Med J** 68(10):1239–42, Oct 75

[Clear cell vaginal adenocarcinoma in young girls. Apropos of a personal case] Barrat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(8):1093–1102, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Letter: Squamous cell neoplastic change in patients with vaginal adenosis. Burke L. **Am J Obstet Gynecol** 124(6):665–6, 15 Mar 76

The stilbestrol–adenosis–carcinoma syndrome. Ulfelder H. **Cancer** 38(1 SUPPL):426–31, Jul 76

Identification, examination, and management of diethylstilbestrol–exposed offspring. Noller KL, et al. **Clin Obstet Gynecol** 19(3):699–705, Sep 76

Diethylstilboestrol (stilboestrol). pp. 55–76. **In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974.** (68 ref.)

Oestrone. pp. 123–32. **In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974.** (21 ref.)

Vaginal cancer: an iatrogenic disease? Weiss K. **Int J Health Serv** 5(2):235–51, 1975

The Diethylstilbestrol (DES) exposed female in Maine. A discussion with suggestions regarding identification and management applicable to our state. Zerner J, et al. **J Maine Med Assoc** 67(6):163–5, Jun 76

Exposure in utero to diethylstilbestrol and related synthetic hormones. Association with vaginal and cervical cancers and other abnormalities. **JAMA** 236(10):1107–9, 6 Sep 76

[Letter: Stilbestrol and cancer] Haspels AA. **Ned Tijdschr Geneeskd** 119(28):1119–20, 12 Jul 75 **(Dut)**

[Diethylstilbestrol, pregnancy and carcinogenesis] Stolk JG, et al. **Ned Tijdschr Geneeskd** 119(43):1654–61, 25 Oct 75 (Eng. Abstr.) **(Dut)**

[Clear cell vaginal adenocarcinoma in young girls. Apropos of a personal case] Barrat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(8):1093–1102, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Squamous cell carcinoma of the vagina associated with vaginal adenosis. Veridiano NP, et al. **Obstet Gynecol** 47(6):689–92, Jun 76

Leiomyoma of vesicovaginal septum causing urinary retention. Brown RC, et al. **Urology** 6(3):379–81, Sep 75

[Partial mole in a woman treated with methotrexate for vaginal chorioepithelioma 14 months previously] Boudjemaa S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):387–8, 1972 **(Fre)**

DIAGNOSIS

Carcinoma in situ of the vagina following treatment for carcinoma of the cervix: a distinctive clinical entity. Geelhoed GW, et al. **Am J Obstet Gynecol** 124(5):510–6, 1 Mar 76

Adenocarcinoma of the cecum initially presenting with vaginal bleeding. Zerner J, et al. **J Maine Med Assoc** 67(6):149–51, Jun 76

Colposcopic evaluation of the female lower genital tract. Swan RW. **J Miss State Med Assoc** 17(7):181–3, Jul 76

Letter: Adenocarcinoma of vagina. Birchard J. **Obstet Gynecol** 47(4):508, Apr 76

Recurrent carcinoma in situ of the vagina in patients previcusly treated for in situ carcinoma of the cervix. Lee RA, et al. **Obstet Gynecol** 48(1):61–4, Jul 76

Letter: Adenosis. Sternberg WH. **Obstet Gynecol** 46(4):500–1, Oct 75

Late recurrence of transitional cell carcinoma of bladder. Redman JF, et al. **Urology** 8(1):51–2, Jul 76

[Vaginal polyposis] Pardo Y, et al. **Minerva Ginecol** 27(11):878–81, Nov 75 (Eng. Abstr.) **(Ita)**

[Reactive and neoplastic cells in vaginal cytology. Follow–up study of primary benign smears with reactive changes] Berner A. **Tidsskr Nor Laegeforen** 96(8):516–8, 20 Mar 76 (Eng. Abstr.) **(Nor)**

[Reticulosarcoma localized in the genital organs of a young woman] Hanuszek K, et al. **Ginekol Pol** 47(4):429–32, Apr 76 (Eng. Abstr.) **(Pol)**

[Clear cell adenocarcinoma of the cervic and vagina (report of a case)] Coronel RJ, et al. **Ginecol Obstet Mex** 39(236):429–33, Jun 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Topical 5–fluorouracil in the treatment of vaginal carcinoma–in–situ. Woodruff JD, et al. **Gynecol Oncol** 3(2):124–32, Jun 75

Letter: 5–F.U. or D.N.C.B. for non–clinical vaginal and cervical cancer. **Lancet** 1(7971):1238, 5 Jun 76

Letter: 5–F.U. or D. N.C.B. for non–clinical vaginal cancer. Guthrie D, et al. **Lancet** 1(7965):906, 24 Apr 76

Letter: 5–Fluorouracil versus immunotherapy for non–clinical vaginal cancer. Hull MG, et al. **Lancet** 1(7959):588, 13 Mar 76

Intraepithelial vaginal neoplasia following immunosuppressive therapy treated with topical 5–Fu. Bowen–Simpkins P, et al. **Obstet Gynecol** 46(3):360–2, Sep 75

ETIOLOGY

Viruses and cancer of the lower genital tract. Josey WE, et al. **Cancer** 38(1 SUPPL):526–33, Jul 76 (74 ref.)

[Cicatrical endometriosis following gynecologic surgery] Stingl A. **Zentralbl Gynaekol** 97(7):428–32, 1975 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Antibodies in venereal sarcoma in dogs] Gómez–Estrada H, et al. **Arch Invest Med (Mex)** 7(1):1–8, 1976 **(Spa)**

MORTALITY

Clear–cell adenocarcinoma of the vagina and cervix: survival data. Noller KL, et al. **Am J Obstet Gynecol** 124(3):285–8, 1 Feb 76

OCCURRENCE

[Benign tumors of the vulva and vagina at the gynecologic and obstetrical clinic in Novi Sad (1945–1970)] Bujas M, et al. **Med Pregl** 29(1–2):71–2, 1976 (Eng. Abstr.) **(Ser)**

[Diagnostic significance of papanicolaou cysodiagnosis class III] Veremendi J. **Rev Chil Obstet Ginecol** 37(6):287–92, 1972 **(Spa)**

PATHOLOGY

Ultrastructure of clear cell carcinoma of the vagina and the cervix. Report of a case with unusual ultrastructural findings. Gompel C, et al. **Acta Cytol (Baltimore)** 20(3):262–5, May–Jun 76

Cytologic studies of malignant melanoma of the vagina. Masubuchi S Jr, et al. **Acta Cytol (Baltimore)** 19(6):527–32, Nov–Dec 75

A case of hypernephroma metastasis to the vagina. Yamasaki M, et al. **Acta Obstet Gynaecol Jpn** 22(2):67–71, Apr 75

Animal model of human disease: adenosis and clear–cell carcinomas of vagina and cervix. Forsberg JG. **Am J Pathol** 84(3):669–72, Sep 76

Histological and ultraststructural studies of a case of rhabdomyoma polyposum vaginae. Hański W, et al. **Ann Med Sect Pol Acad Sci** 21(1–2):47–8, 1976

Benign vaginal rhabdomyoma: a light and electron microscopic study. Gold JH, et al. **Cancer** 37(5):2283–94, May 76

Clear cell adenocarcinoma of the cervix and vagina. A clinicopathologic study of 21 cases with and without a history of maternal ingestion of estrogens. Nordqvist SR, et al. **Cancer** 37(2):858–71, Feb 76

A malignant tumor of the vagina resembling synovial sarcoma: a light and electron microscopic study. Okagaki T, et al. **Cancer** 37(5):2306–20, May 76

Leiomyosarcoma of the labium majus with extensive metastases. Pandhi RK, et al. **Dermatologica** 150(2):70–4, 1975

Fibroepithelial polyp of the vagina. A report of five cases. Burt RL, et al. **Obstet Gynecol** 47(1):52S–54S, Jan 76

Sarcomas of the vagina. Davos I, et al. **Obstet Gynecol** 47(3):342–50, Mar 76

Primary melanoma of the vagina. Clinicopathologic study of 7 cases. Jentys W, et al. **Oncology** 31(2):83–91, 1975

Neoplasm of the vagina in infants – two cases. Underhill R. **Proc R Soc Med** 68(4):229–31, Apr 75

PHYSIOPATHOLOGY

Vaginal embryogenesis, estrogens, and adenosis. Prins RP, et al. **Obstet Gynecol** 48(2):246–50, AUG 76

PREVENTION & CONTROL

Management of the diethylstilbestrol exposed female. Strafford JC, et al. **J Indiana State Med Assoc** 68(9):767–8, Sep 75

RADIOTHERAPY

An afterloading applicator for intracavitary vaginal irradiation. Wang CC. **Radiology** 117(1):225, Oct 75

[Isodose determination for the vaginal cylinder in 60Co contact therapy (author's transl)] Tautz M, et al. **Radiobiol Radiother (Berl)** 16(6):641–54, 1975 (Eng. Abstr.) **(Ger)**

[Consequences of a delayed start of therapy in primary irradiated gynecologic malignomas on five–year healing and mortality. A clinical epidemiological study] Altmann P, et al. **Strahlentherapie** 150(4):371–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Vaginal applicator combination for radium therapy of advanced vaginal and cervix carcinomas] Paeschke KD, et al. **Strahlentherapie** 151(4):306–10, Apr 76 (Eng. Abstr.) **(Ger)**

SURGERY

Rectovaginal endometriosis: an isolated enigma. March CM, et al. **Am J Obstet Gynecol** 125(2):274–5, 15 May 76

Ultraradical surgery in childhood embryonal rhabdomyosarcoma, with special reference to tumors of the vagina. pp. 359–73. Piver MS. **In: Sinks LF, Godden JO, ED. Conflicts in childhood cancer: an evaluation of current management. New York, Liss, 1975. W1 PR668E v.4 1975.**

[Labor after direct myomectomy of a vaginal myoma] Mishev D. **Akush Ginekol (Sofiia)** 14(5):421–4, 1975 **(Bul)**

THERAPY

Combined therapy to prevent complete pelvic exenteration for rhabdomyosarcoma of the vagina or uterus. Mahesh Kumar AP, et al. **Cancer** 37(1):118–22, Jan 76

The management of DES–exposed women: one physician's approach. Scott JW. **J Reprod Med** 16(6):285–8, Jun 76

Immunotherapy of non–clinical vaginal cancer. Guthrie D, et al. **Lancet** 2(7947):1242–3, 20 Dec 75

VETERINARY

Transmissible venereal tumor in a dog. White GA. **Vet Med Small Anim Clin** 71(3):299–301, Mar 76

VAGINAL PROLAPSE see **UTERINE PROLAPSE**

VAGINAL SMEARS

Estimation procedure for the cellular composition of cervical smears. Bhattacharya PK, et al. **Acta Cytol (Baltimore)** 19(4):366–73, Jul–Aug 75

The occurrence of isolated dysplastic, carcinoma in situ, and invasive type cells in cervical smears from patients with invasive squamous cell carcinoma: significance to prescreening using image processing techniques. Louis C, et al. **Acta Cytol (Baltimore)** 20(2):158–61, Mar–Apr 76

Cells from the seminal vesicles: contaminants of the V–C–E smear. Meisels A, et al. **Acta Cytol (Baltimore)** 20(3):211–9, May–Jun 76

Non–diagnostic squamous atypia in cervico–vaginal cytology as a risk factor for early neoplasia. Melamed MR, et al. **Acta Cytol (Baltimore)** 20(2):108–10, Mar–Apr 76

Letter: Detached ciliary tufts in cervico–vaginal smears. Rilke F, et al. **Acta Cytol (Baltimore)** 20(3):189–90, May–Jun 76

Letter: Who is responsible for the false–negative smear? Rubio CA, et al. **Acta Cytol (Baltimore)** 19(4):319, Jul–Aug 75

Letter: Enterobius vermicularis larvae in vaginal smears. San Cristobal A, et al. **Acta Cytol (Baltimore)** 20(3):190–2, May–Jun 76

Experience in mass Papanicolaou screening and cytologic observations of teen–age girls. Fields C, et al. **Am J Obstet Gynecol** 124(7):730–4, 1 Apr 76

Incidence of cervical cancer in perimenopausal and postmenopausal women detected by Papanicolaou smears. Neighbor RM, et al. **Am J Obstet Gynecol** 124(4):348–51, 15 Feb 76

Outpatient evaluation of patients with atypical papanicolaou smears: contribution of endocervical curettage. Shingleton HM, et al. **Am J Obstet Gynecol** 126(1):122–8, 1 Sep 76

Recall of women in a cervical cytology screening programme. An estimate of the true rate of response. Sansom CD, et al. **Br J Prev Soc Med** 29(2):131–4, Jun 75

Cervical smears: are the right women being examined? Brindle G, et al. **Br Med J** 1(6019):1196–7, 15 May 76

Letter: Cervical smears. MacGregor JE. **Br Med J** 2(6026):44–5, 3 Jul 76

Vaginal cytological examination in anorexia nervosa. Oó M. **Br Med J** 4(5989):164–5, 18 Oct 75

Editorial: Cervical cancer screening programs: a pathologist's viewpoint. Anderson GH. **Can Med Assoc J** 114(11):981–2, 5 Jun 76

Editorial: Publication of a cervical cancer screening report. Shepard DA. **Can Med Assoc J** 114(11):979–81, 5 Jun 76

Editorial: The task force on cervical cancer screening programs. Walton RJ. **Can Med Assoc J** 114(11):981, 5 Jun 76

Evaluation of Papanicolaou smear and effect of sample biopsy in follow–up of cervical dysplasia. Youkeles L, et al. **Cancer Res** 36(6):2080–4, Jun 76

CERVISCAN: an image analysis system for experiments in automatic cervical smear prescreening. Tucker JH. **Comput Biomed Res** 9(2):93–107, Apr 76

Cytology, colposcopy, and directed biopsy: what are the limitations? Dolan TE, et al. **Gynecol Oncol** 3(4):314–24, Dec 75

Cervical cytology in the United Kingdom. pp. 230–43. Alderson M.
In: Boström H, et al., ed. Health control in detection of cancer. Stockholm, Almqvist & Wiksell, 1976. W3 SK56 10th 1976.

Catodoluminescence properties of frequently used fluorescent stains in vaginal smears. pp. 327–34. Schmidt EH, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

The false–negative rate in screening for cervical cancer. pp. 34–46. Bigelow JH, et al.
In: Proceedings of the Joint IIASA/WHO Workshop on Screening for Cervical Cancer. Laxenburg, International Institute for Applied Systems Analysis, 1975. WP 480 J74p 1975.

The correlation of vaginal cytology with urinary oestriol and pregnanediol in third trimester of normal and abnormal pregnancies. Aikat M. **Indian J Med Res** 63(12):1694–704, Dec 75

Colpocytologic evaluation of intrauterine death. Aikat M. **Indian J Pathol Microbiol** 18(2):93–6, Apr 75

The Papanicolaou smear as a technique for gonorrhea detection: A feasibility study. Arsenault GM, et al. **J Am Vener Dis Assoc** 2(4):35–8, Jun 76

Comparison of cervical pap smears with subsequent diagnosis of cervical carcinoma an analysis of Arkansas health department pap smears for 1970 and 1971. Steinkamp RC, et al. **J Arkansas Med Soc** 72(4):168–71, Sep 75

The typing of phosphoglucomutase in vaginal material and semen. Price CJ, et al. **J Forensic Sci Soc** 16(1):29–42, Jan 76

100% by '76. Crawford County PAP smear clinic. Zabel KP. **J Kans Med Soc** 77(1):17–8, Jan 76

Pap smears in primary medical office practice: a review and reevaluation. Burdette JA. **J Ky Med Assoc** 74(4):177–9, Apr 76

Significance of superficial cells in the vaginal smear of postmenopausal women. Srivannaboon S, et al. **J Med Assoc Thai** 59(3):106–8, Mar 76

Gynaecological cytology in family planning services in Nigeria. Adeleye JA. **J Natl Med Assoc** 68(2):97–100, 109, Mar 76

Coloscopy clinic: an evaluation of 500 new patients. Krumholz BA, et al. **J Reprod Med** 16(1):31–4, Jan 76

Letter: Protection by cervical smears. Spriggs AI, et al. **Lancet** 1(7951):143, 17 Jan 76

Experience with 40,000 Papanicolaou smears. Sandmire HF, et al. **Obstet Gynecol** 48(1):56–60, Jul 76

Colposcopic evaluation of patients with abnormal cytologic smears during pregnancy. Talebian F, et al. **Obstet Gynecol** 47(6):693–6, Jun 76

Awareness and use of cervical cancer tests in a southern Appalachian community. Brown AJ. **Public Health Rep** 91(3):236–42, May–Jun 76

Classification of cells in vaginal smears with television microscopy. Blomster J, et al. **Virchows Archiv [Cell Pathol]** 20(3):205–16, 29 Apr 76

[Urinary oestrogens and vaginal cytology in late pregnancy (author's transl)] Ortner A, et al. **Wien Klin Wochenschr** 87(16):513–5, 5 Sep 75 (Eng. Abstr.)

[Diagnostic value of colpocytology at the end of pregnancy. I. The determination of the term of delivery] Trepechov S. **Akush Ginekol (Sofiia)** 14(6):452–6, 1975 (Eng. Abstr.) **(Bul)**

[Diagnostiv value of colpocytology at the end of pregnancy. III. Colpocytology and the biological prolongation of pregnancy] Trepechov S. **Akush Ginekol (Sofiia)** 15(1):40–3, 1976 (Eng. Abstr.) **(Bul)**

[Diagnostic value of colpocytology at the end of pregnancy. II. The determination of fetal maturity] Trepechov S. **Akush Ginekol (Sofiia)** 15(1):34–9, 1976 (Eng. Abstr.) **(Bul)**

[Our experience with estrogenic and cytological studies in breast cancer in women] Dimitrov G, et al. **Khirurgiia (Sofiia)** 29(1):44–9, 1976 (Eng. Abstr.) **(Bul)**

[Importance of routine cytology from the aspect of hormonal therapy and its administration by the gynaecologist in the local health community or factory health centre (author's transl)] Antoš J, et al. **Cesk Gynekol** 40(8):565–6, Sep 75 **(Cze)**

[Correlation of the diagnostic value of vaginal cytology and estimation of total urinary oestrogens in threatened pregnancies (author's transl)] Mišinger I, et al. **Cesk Gynekol** 40(7):512–4, Aug 75 (Eng. Abstr.) **(Cze)**

[Editorial: Vaginal–cytological screening for cervix cancer] Ostergaard E. **Ugeskr Laeger** 138(17):1043–4, 19 Apr 76 **(Dan)**

[Significance of cytologic screening for prevention of cervix carcinoma] Collette HJ. **Ned Tijdschr Geneeskd** 119(20):795–800, 17 May 75 **(Dut)**

[Intraepithelial carcinoma of the cervix uteri. 1) Cytologic detection in gynecologic practice. Our exerience with 15,000 smears] Legrand D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(1):61–79, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

[Value and critical significance of differential cytology in precancerous and early stages of cervix carcinoma] Breinl H, et al. **Arch Gynaekol** 219(1–4):61–3, 18 Nov 75 **(Ger)**

[Nuclear DNA determination as a diagnostic aid in obscure cytologic findings] Hilgarth M, et al. **Arch Gynaekol** 219(1–4):64–6, 18 Nov 75 **(Ger)**

[Proceedings: Scanning electron microscopy studies on vaginal smears] Philipp E. **Arch Gynaekol** 219(1–4):542, 18 Nov 75 **(Ger)**

[Practical and theoretical viewpoints in computer–analysis of data from colposcopy,, cytology and histopathology (author's transl)] Roemer VM, et al. **Arch Gynaekol** 220(1):19–33, 16 Dec 75 (Eng. Abstr.) **(Ger)**

[Early identification of cancer through vaginal cytology in a venereal disease clinic] Rogosaroff–Fricke R, et al. **Fortschr Med** 93(28):1332–6, 9 Oct 75 (Eng. Abstr.) **(Ger)**

[Results of cytologic examinations of the cervix in women under the age of thirty (author's transl)] Furch W, et al. **Geburtshilfe Frauenheilkd** 36(5):381–7, May 76 (Eng. Abstr.) **(Ger)**

[Negative smear in cervical carcinoma in situ (author's transl)] Naujoks H, et al. **Geburtshilfe Frauenheilkd** 36(7):570–5, Jul 76 (Eng. Abstr.) **(Ger)**

[Extended differentiation of the cytologic findings in the sense of WHO directives with regard to dysplasia pre–stages in our 10,000 examinations] Schlagetter K. **Z Allgemeinmed** 51(27):1195–201, 30 Sep 75 **(Ger)**

[Vaginal cytology at the end of pregnancy (author's transl)] Dehnhard F, et al. **Z Geburtshilfe Perinatol** 179(4):301–8, Aug 75 (Eng. Abstr.) **(Ger)**

[Cytotopochemistry of lipids in vaginal smears of pregnant women] Pospíšil J. **Zentralbl Gynaekol** 97(23):1464–71, 1975 (Eng. Abstr.) **(Ger)**

[Study of vaginal smears in the rat in induced hypothyroidism] Merlino GF, et al. **Arch Ostet Ginecol** 77(5):369–80, Sep–Oct 72 (Eng. Abstr.) **(Ita)**

[Functional colpocytology in threatened abortion and internal abortion] pp. 153–5. Marotta N, et al.
In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973. **(Ita)**

[Smear index and its relationship with serum estradiol levels] Yamatani Y, et al. **Clin Endocrinol (Tokyo)** 24(2):131–4, 1976 **(Jpn)**

[Some reflections on hormonal changes in the vaginal smear] Berner A. **Tidsskr Nor Laegeforen** 96(3):166–7, 30 Jan 76 **(Nor)**

[Reactive and neoplastic cells in vaginal cytology. Follow–up study of primary benign smears with reactive changes] Berner A. **Tidsskr Nor Laegeforen** 96(8):516–8, 20 Mar 76 (Eng. Abstr.) **(Nor)**

[Value of luminescent colpocytology in the diagnosis of post–term pregnancy and determination of the state of the intrauterine fetus] Pantsevich IF, et al. **Vopr Okhr Materin Det** 20(8):74–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Effectiveness of use of cytological method of examination in mass preventive screening of the female population of the Republic] Zaĭsanova TK, et al. **Zdravookhr Kirg** (4):6–9, Jul–Aug 75 **(Rus)**

[Results of the program of detection of cervicouterine cancer during the year of 1973] Arizaga Cruz JM, et al. **Ginecol Obstet Mex** 38(226):139–44, Aug 75 (Eng. Abstr.) **(Spa)**

[Review of 9,366 vaginal cytological examinations at the Department of Education and Medical Research of the Cowdray American–British Hospital] de Larios NM, et al. **Ginecol Obstet Mex** 39(233):217–22, Mar 76 (Eng. Abstr.) **(Spa)**

[Diagnosis of trichomoniasis and moniliasis by the method of Papnicolaou] de LARIOS NM, et al. **Ginecol Obstet Mex** 39(236):441–5, Jun 76 (Eng. Abstr.) **(Spa)**

[Cytodiagnosis in gynecological patients] Perez A, et al. **Rev Chil Obstet Ginecol** 39(6):244–54, 1974 **(Spa)**

[Diagnostic significance of papanicolaou cysodiagnosis class III] Veremendi J. **Rev Chil Obstet Ginecol** 37(6):287–92, 1972 **(Spa)**

[Change in the cytological picture of the vaginal smear under the influence of mud therapy in patients with disorders of the menstrual cycle] Bero LI, et al. **Pediatr Akush Ginekol** (6):43–5, Nov–Dec 75 **(Ukr)**

INSTRUMENTATION

Letter: Disposable bacteriological loops and vaginal discharge. Sparks RA, et al. **Br Med J** 1(6016):1017–8, 24 Apr 76

METHODS

Immediate diagnosis in vaginal cytology using interference contrast microscopy (Nomarski). Wenger F. **Acta Cytol (Baltimore)** 20(1):79–82, Jan–Feb 76

The significance of random sample size in flow–through photometric prescreening in cervical cytology. Sprenger E, et al. **Beitr Pathol** 157(2):142–6, Apr 76

Acceptability of the cytopipette in screening for cervical cancer. Carruthers J, et al. **Br J Prev Soc Med** 29(4):239–48, Dec 75

Feature evaluation for automated cancer cell identification. Imasato Y, et al. **Comput Biol Med** 5(3):245–55, Sep 75

[Vaginal pipette and cervical smear. Comparison of their diagnostic reliability in screening] Mikkelsen JF, et al. **Ugeskr Laeger** 138(17):1021–5, 19 Apr 76 (Eng. Abstr.) **(Dan)**

[Cytological examination of the uterine cervix. I. Conditions for cytological examination] Vooijs GP. **Ned Tijdschr Geneeskd** 119(45):1762–6, 8 Nov 75 (16 ref.) **(Dut)**

[Do cytological criteria exist to determine the correct technique of a cytosmear of the uterine cervix? (author's transl)] Soost HJ, et al. **Geburtshilfe Frauenheilkd** 36(1):47–51, Jan 76 (Eng. Abstr.) **(Ger)**

[Serial cytohormonal vaginal smears and diagnostic as well as therapeutic procedures in the antenatal period of a neuroendocrinologically high–risk pregnancy] Stanek J. **Ginekol Pol** 47(5):507–14, May 76 (Eng. Abstr.) **(Pol)**

[Colpocytology in the diagnosis of molar pregnancy] Thonet C, et al. **Rev Chil Obstet Ginecol** 39(4):121–3, 1974 **(Spa)**

UTILIZATION

Characteristics of blacks obtaining Papanicolaou smears. Warnecke RB, et al. **Cancer** 37(4):2015–25, Apr 76

Papanicolaou testing — are we screening the wrong women? **N Engl J Med** 294(4):223, 22 Jan 76

VETERINARY

Letter: A rapid stain for vaginal smears. Logue DN, et al. **Vet Rec** 98(25):512, 19 Jun 76

VAGINITIS

[Etiology and characteristics of clinical course of nonspecific colpitis] Teokharov BA, et al. **Akush Ginekol (Mosk)** (5):34–7, May 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Comparison of metronidazole/nystatin and nitrofuratel in the treatment of vaginitis. Pathak UN, et al. **Br J Clin Pract** 29(10):270–2, Oct 75

[A new treatment of mycotic and prozoal vaginitis (author's transl)] Hauser GA. **Praxis** 64(31):1002–5, 5 Aug 75 (Eng. Abstr.) **(Fre)**

[New vaginal desinfectant, treating with consideration the döderleinflora, for the therapy of unspecific vaginitis (author's transl)] Hauser GA. **Praxis** 64(40):1289–94, 7 Oct 75 **(Ger)**

[Therapeutic results achieved through the advantage of a combination of oral metronidazole and vaginal natamycin tablets in urogenital protozoan, trichobacterial and blastomyces infections] Tóth B, et al. **Zentralbl Gynaekol** 97(13):816–22, 1975 **(Ger)**

[Clinical study of a new preparation with antiseptic and antiphlogistic action on the female genital tract] Brich M, et al. **Minerva Ginecol** 27(8):648–58, Aug 75 (Eng. Abstr.)

(Ita)
[Recent findings in the pharmacotherapy of vaginitis: methyl-partricin] Fanciulli S, et al. **Minerva Ginecol** 27(11):915–28, Nov 75 (Eng. Abstr.) (Ita)
[Clinical experiences with a new drug, clotrimazole, in the treatment of vaginitis] Longo D. **Minerva Ginecol** 27(11):908–14, Nov 75 (Eng. Abstr.) (Ita)
[Own complex method of treatment of fungal vaginitis] Ostrzeński A. **Pol Tyg Lek** 30(40):1657–9, 6 Oct 75 (Eng. Abstr.) (Pol)
[Results of complex treatment of nonspecific colpitis] Letuchikh AA. **Akush Ginekol (Mosk)** (5):64–5, May 75 (Rus)

ENZYMOLOGY

[Vaginal hyaluronidase activity in some pathological conditions. III. Cervico-vaginitis] Rosso G. **Minerva Ginecol** 27(7):537–44, Jul 75 (Eng. Abstr.) (Ita)

ETIOLOGY

Intravaginal and intrauterine refluxing of urine in children; intravaginal refluxing of urine in women: some postulates arising from these findings. Beale G. **Australas Radiol** 19(2):194–8, Jun 75
Letter: Vaginal discharge and the I.U.D. Oates JK. **Lancet** 1(7962):751–2, 3 Apr 76

MICROBIOLOGY

[Epidemiology of pathogens from colpitis and infections following gynecologic surgery] Decker K, et al. **Arch Gynaekol** 219(1–4):560–1, 18 Nov 75 (Ger)
[Mycoplasma in the urogenital tract and inflammatory diseases of the genital organs] Ankirskaia AS, et al. **Akush Ginekol (Mosk)** (5):40–3, May 75 (Eng. Abstr.) (Rus)

PATHOLOGY

[Vaginal cytology in various age groups and in colpitis and cervicitis] Schaude VH. **Fortschr Med** 94(2):60–7, 15 Jan 76 (Ger)

PREVENTION & CONTROL

[Vaginitis] Fugère P. **Union Med Can** 104(10):1523–6, Oct 75 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Radiological case of the month. Case history. Goldman SM, et al. **Md State Med J** 25(1):81–2, Jan 76

THERAPY

[Treatment of vaginitis (author's transl)] Suk K, et al. **Cesk Gynekol** 40(8):571–2, Sep 75 (Cze)
[Effect of local balneological treatment on the vaginal portioepithelium with special reference to dysplastic changes] Marianowski L, et al. **Ginekol Pol** 47(5):521–8, May 76 (Eng. Abstr.) (Pol)

VETERINARY

Streptococcus canis: an isolate from a canine uterus. Olson PS. **Vet Med Small Anim Clin** 70(8):933–4, Aug 75

VAGOTOMY

Serum gastrin concentration before and after parietal cell vagotomy in man and dog. Brandsborg O, et al. **Acta Chir Scand** 141(7):654–6, 1975
Clinical results 6 to 8 years after truncal vagotomy and drainage for duodenal ulcer in 500 patients. Kronborg O. **Acta Chir Scand** 141(7):657–63, 1975
Billroth I gastric resection versus truncal vagotomy and pyloroplasty in the treatment of gastric ulcer. Madsen P, et al. **Acta Chir Scand** 142(2):151–3, 1976
Clinical, secretory and motor effects of selective proximal vagotomy. A three-year follow-up. Moberg S, et al. **Acta Chir Scand** 141(3):203–7, 1975
Parietal cell vagotomy. Localisation of the microscopical antral-fundic boundary in relation to the macroscopical. Poppen B, et al. **Acta Chir Scand** 142(3):251–5, 1976
Truncal vagotomy and pyloroplasty for gastric and duodenal ulcer. Ten years' experience. Van Outryve M, et al. **Acta Gastroenterol Belg** 38(3–4):125–36, Mar–Apr 75
Histamine content in human gastric mucosa: its relation to the pentagastrin-stimulated acid secretion and to selective-gastric vagotomy with drainage. Troidl H, et al. **Agents Actions** 5(5):427–8, Dec 75
Changed cholinergic receptor characteristics after vagotomy in gastric fistula dogs. Hirschowitz BI, et al. **Am J Physiol** 230(1):105–9, Jan 76
Evaluation of recurrent duodenal ulcer after vagotomy-pyloroplasty. Juler GL, et al. **Am J Surg** 132(2):243–8, Aug 76
Human gastrin response to secretin after vagotomy. McLaughlin M, et al. **Am J Surg** 131(1):69–72, Jan 76
Two decades of gastrointestinal research. A perspective. Nyhus LM. **Am J Surg** 131(1):3–18, Jan 76
Long-term randomized prospective comparison of Finney and Heineke-Mikulicz pylorplasty in patients having vagotomy for peptic ulceration. Thompson BW, et al. **Am J Surg** 129(1):78–81, Jan 75
Experiences with vagotomy in the treatment of gastroduodenal ulcer. Special reference to early results and to recurrent post-vagotomy ulcer. Inberg MV, et al. **Ann Chir Gynaecol Fenn** 64 Suppl 190:3–16, 1975
The effect of vagotomy antrectomy or vagotomy pyloroplasty on the response of the antrum to meat extract in duodenal ulcer patients. Coutsoftides T, et al. **Ann Surg** 18(2):212–6, Aug 76
Letter: Surgical treatment of peptic ulcer. Fischer MG. **Ann Surg** 182(5):661–2, Nov 75
Parietal cell vagotomy without drainage for the treatment of duodenal ulcer. Jordan PH Jr. **Annu Rev Med** 27:191–7, 1976
Effects of selective gastric vagotomy and pyloroplasty on oral and intravenous glucose tolerance and insulin secretion. Bittner R, et al. **Arch Surg** 111(8):850–3, Aug 76
Parietal cell vagotomy without drainage for treatment of duodenal ulcer. A two- to three-year follow-up report. Jordan PH Jr. **Arch Surg** 111(4):370–6, Apr 76
The first 15 years' experience with vagotomy and drainage for duodenal ulcer at the Royal Prince Alfred Hospital, Sydney. Brooke-Cowden. **Aust NZ J Surg** 46(2):112–5, May 76
The accuracy of methods of diagnosis in patients with suspected recurrent ulcer after vagotomy. Steinberg DM, et al. **Aust NZ J Surg** 45(3):252–6, Aug 75
Proceedings: Mucus secretion after highly selective vagotomy and pyloroplasty. Bruckner WL, et al. **Br J Surg** 63(2):154, Feb 76
Recurrence of gastric ulcer after selective vagotomy and pyloroplasty for chronic uncomplicated gastric ulcer: a 5–10 year follow-up. de Miguel J. **Br J Surg** 62(11):875–8, Nov 75
The effect of the size of the gastric outlet on gastric emptying after vagotomy for duodenal ulcer. George WD, et al. **Br J Surg** 62(11):879–81, Nov 75
Proceedings: Effects of gastric surgery on differential emptying of solid and liquid components of the gastric contents. Heading RC, et al. **Br J Surg** 62(8):659, Aug 75
Value of perioperative acid tests in predicting recurrent ulceration after vagotomy. Hood JM, et al. **Br J Surg** 62(8):665, Aug 75
Proceedings: The effect of meat extract stimulation on serum gastrin of patients undergoing proximal gastric vagotomy alone (PGV) and with Finney pyloroplasty (PGVP). Pigott WH. **Br J Surg** 62(8):653, Aug 75
Proceedings: Histamine concentrations in gastric mucosa of duodenal ulcer patient before and 1 year after selective gastric vagotomy. Troidl H, et al. **Br J Surg** 63(2):155, Feb 76
Letter: Vagotomy for duodenal ulcer. Faber RG, et al. **Br Med J** 3(5980):436, 16 Aug 75
Influence of hippocampectomy on gastric ulcer in rats. Kim C, et al. **Brain Res** 109(2):245–54, 11 Jun 76
Effects of vagotomy on the distribution of cholinesterases in the cat medulla oblongata. Navaratnam V, et al. **Brain Res** 100(3):599–613, 26 Dec 75
The effect of cervical vagotomy (decentralization) on the ultrastructure of the carotid body on the duck, Anas platyrhynchos. Butler PJ, et al. **Cell Tissue Res** 163(4):491–502, 19 Nov 75
Effect of denervation on the mitotic index of the intestinal epithelium of the rat. Musso F, et al. **Cell Tissue Res** 163(3):395–402, 12 Nov 75
Effect of vagotomy on anaphylaxis in the rat. Levy RM, et al. **Clin Exp Immunol** 24(1):96–101, Apr 76
Cardiac changes during 2-deoxy-d-glucose test. A study in patients with selective vagotomy and pyloroplasty. Burckhardt D, et al. **Digestion** 12(1):1–8, 1975
Proximal selective vagotomy without pyloroplasty. A randomized clinical study. Largiadèr F. **Eur Surg Res** 8(1):4–11, 1976
After vagotomy atropine suppresses gastrin release by food. Debas HT, et al. **Gastroenterology** 70(6):1082–4, Jun 76
The effects of highly selective vagotomy on exocrine pancreatic function in man. Lindskov J, et al. **Gastroenterology** 70(4):545–9, Apr 76
The effect of betazole on serum group I pepsinogen levels: studies in symptomatic patients with and without recurrent ulcer after vagotomy and gastric resection or drainage. Samloff IM, et al. **Gastroenterology** 70(6):1007–13, Jun 76
Proceedings: Metabolic studies after Billroth I gastrectomy and highly selective vagotomy for gastric ulcer. Edwards JP, et al. **Gut** 16(10):829, Oct 75
Gastric emptying following vagotomy and antrectomy and proximal gastric vagotomy. Kalbasi H, et al. **Gut** 16(7):509–13, Jul 75
Alcohol tolerance after proximal gastric vagotomy. Moodie AF, et al. **Gut** 16(12):966–7, Dec 75
Effect of vagotomy on secretin release in man. Ward AS, et al. **Gut** 16(12):951–6, Dec 75
Effect of vagotomy on the gastric secretory response to intraduodenal osmotic agents in man. Ward AS. **Gut** 17(1):48–53, Jan 76
Gastric function in a group of vagotomized patients with duodenal ulcer and in a control group: a temporal study. pp. 98–9. Cagnoni M, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**
Surgery for peptic ulcer. Boulos PB, et al. **Int Surg** 60(10):529–31, Oct 75
Gastrin levels after proximal gastric vagotomy. Hayes JR, et al. **Ir J Med Sci** 144(9):349–54, Sep 75
Fetal breathing: induction in utero and effects of vagotomy and barbiturates. Condorelli S, et al. **J Pediatr** 88(1):94–101, Jan 76
Proceedings: Effects of truncal vagotomy on the muscle layers of dog stomach. Oki M, et al. **Jpn Arch Intern Med** 11(4):222–3, Dec 75
Effects of pyridinolcarbamate on the cardiovascular system of the anesthetized dog after bilateral cervical vagotomy. Grandison D, et al. **Jpn Heart J** 17(1):97–105, Jan 76
IgA deficiency and severe post-vagotomy diarrhoea. McLoughlin GA, et al. **Lancet** 1(7952):168–70, 24 Jan 76
Pancreatic-polypeptide response to food in duodenal-ulcer patients before and after vagotomy. Schwartz TW, et al. **Lancet** 1(7969):1102–5, 22 May 76
Letter: Parietal cell vagotomy. Orr KB. **Med J Aust** 2(7):282–3, 16 Aug 75
Truncal, selective and proximal gastric vagotomy without drainage, related to the diameter of the pyloroduodenal canal. Kirk RM. **Proc R Soc Med** 68(3):179–80, Mar 75
Ultrastructure of parietal cells before and after proximal gastric vagotomy in duodenal ulcer patients. Aase S, et al. **Scand J Gastroenterol** 11(1):55–64, 1976
Dynamic gastric response to expansion before and after vagotomy. Jahnberg T, et al. **Scand J Gastroenterol** 10(6):593–8, 1975
Relationships between gastric acid secretion and recurrent duodenal ulcer after selective vagotomy and pyloroplasty in men. Kronborg O, et al. **Scand J Gastroenterol** 11(5):465–9, 1976
Effect of vagotomy on insulin release after oral and intravenous glucose administration. Lund B, et al. **Scand J Gastroenterol** 10(7):777–80, 1975
The use of neutral red as a peroperative test of vagal innervation. Nundy S, et al. **Scand J Gastroenterol** 10(8):847–50, 1975
A secretory and histological study of the stomach before and after truncal vagotomy and pyloroplasty in duodenal ulcer patients. Roland M. **Scand J Gastroenterol** 11(1):65–71, 1976
Gastric emptying of a fluid test meal in healthy volunteers and patients with duodenal ulcer before and after selective proximal vagotomy. Carlberger G. **Scand J Gastroenterol [Suppl]** 10(35):45–7, 1975
Gastric emptying of liquids after different vagotomies and pyloroplasty. Gleysteen JJ, et al. **Surg Gynecol Obstet** 142(1):41–8, Jan 76
Evolvement of a new treatment for perforated duodenal ulcer. Jordan PH Jr, et al. **Surg Gynecol Obstet** 142(3):391–5, Mar 76
Effect of acute hemorrhage on gastrin secretion rate and blood levels of gastrin and insulin in normal dogs and in dogs after vagotomy. Terry RB, et al. **Surg Gynecol Obstet** 142(3):353–6, Mar 76
[Pyloroplasty with vagotomy in treating chronic peptic ulcer of the duodenum] Chomakov A, et al. **Khirurgiia (Sofiia)** 28(5):419–24, 1975 (Eng. Abstr.) (Bul)
[Selective proximal vagotomy—method of choice in the treatment of duodenal ulcer?] Milinarić I. **Lijec Vjesn** 97(8):479–81, Aug 75 (Cro)
[On the article of Prof. E. Polák (Rozhl. Chir., 54, 1975, 1, pp. 3–10)] Rapant V. **Rozhl Chir** 54(10):734–5, Oct 75 (Cze)
[Two cases of acute relapsing pancreatitis treated by vagotomy and gastro-enterostomy (author's transl)] Bezard J, et al. **Ann Chir** 30(3):207–10, Mar 76 (Eng. Abstr.) (Fre)
[The effects of bitruncular vagotomy on the activity of the sphincter of Oddi. An investigation in dogs (author's transl)] Levasseur JC, et al. **Ann Chir** 29(2):151–4, Feb 75 (Fre)
[Study of the remote results of 702 total vagotomies for duodenal ulcer] Henrion C. **Chirurgie** 101(6):423–4, 30 Apr–7 May 75 (Fre)
[Study of remote results of 702 total vagotomies for duodenal ulcer] Hollender LF, et al. **Chirurgie** 100(11):795–805, 13–20 Nov 74 (Fre)
[Role of gastric functional exploration in the postoperative testing of surgical vagotomies] Graef JD. **J Chir (Paris)** 111(3):335–68, Mar 76 (Eng. Abstr.) (Fre)
[Recurring ulcers following vagotomy. Apropos of 107 cases] Perrotin J, et al. **J Chir (Paris)** 110(3):163–72, Sep 75 (Eng. Abstr.) (Fre)
[The radiologic aspects after highly selective vagotomy (author's transl)] Eidesheim D, et al. **J Radiol Electrol Med Nucl** 56(12):841–6, Dec 75 (Eng. Abstr.) (Fre)
[Ulcerous relapse after truncular vagotomy for duodenal ulcer. Experience of 12 cases] Lagache G, et al. **Lille Med** 20(5):452–7, May 75 (Fre)
[Letter: Decelerating jejunoplasty and vagotomy-pyloroplasty after subtotal enterectomy and right hemicolectomy] Perissat J, et al. **Nouv Presse Med** 4(29):2115, 13 Sep 75 (Fre)
[Nomenclature of the 'third' vagotomy] Rothmund M. **Dtsch Med Wochenschr** 100(45):2353–4, 7 Nov 75 (Ger)
[Effect of proximal gastric vagotomy and total vagotomy on the coordination of gastric and duodenal motility during emptying of a meal] Aeberhard P, et al. **Helv Chir Acta** 43(1–2):173–7, Mar 76 (Ger)
[What is reliable in the treatment of ulcer disease by vagotomy?] Troidl H, et al. **Internist (Berlin)** 16(12):575–82, Dec 75 (66 ref.) (Ger)
[Clinical results by selective proximal vagotomy with pyloroplasty (author's transl)] Lehmann L, et al. **Langenbecks Arch Chir** 340(3):179–90, 10 Feb 76 (Eng.

Abstr.) (Ger)
[Duodenogastric reflux after vagotomy and pyloroplasty (author's transl)] Rothmund M, et al. **Langenbecks Arch Chir** 340(3):167–78, 10 Feb 76 (Eng. Abstr.) (Ger)
[How to evaluate the result of an postoperative insulin test?] Koch H, et al. **Med Welt** 26(49):2221–4, 5 Dec 75 (Ger)
[On radiological function diagnosis on stomach and duodenum following vagotomy and pyloroplasty (author's transl)] Gottschild D, et al. **Radiol Diagn** (Berl) 16(3):339–44, 1975 (Eng. Abstr.) (Ger)
[Effects of proximal gastric vagotomy (PVG) and total vagotomy (TV) on the coordination of the interdigestive myoelectric acitivity of the canine stomach and duodenum] Aeberhard P, et al. **Schweiz Med Wochenschr** 106(9):305–7, 28 Feb 76 (Eng. Abstr.) (Ger)
[Esophageal function in duodenal ulcer prior to and following vagotomy] Wienbeck M, et al. **Verh Dtsch Ges Inn Med** 81:1253–6, 1975 (Ger)
[Hemorrhagic gastritis and its treatment by means of vagotomy and pyloroplasty] Andreadis P, et al. **Zentralbl Chir** 100(24):1487–90, 1975 (Ger)
[Resection and/or vagotomy in ulcer diseases. Indication—methods—results] Schwaiger M. **ZFA (Stuttgart)** 52(19):991–4, 10 Jul 76 (Ger)
[Changes in the motility of the stomach and small intestine following vagotomy] Ihász M, et al. **Orv Hetil** 117(33):1992–5, 15 Aug 76 (Hun)
[Histological study of changes in the human jejunal mucosa following truncal vagotomy] Mihály I, et al. **Orv Hetil** 117(6):338–40, 8 Feb 76 (Hun)
[Anaerobic glycolysis in the vagotomized lung of the rat (preliminary note)] Rinaudo MT, et al. **Boll Soc Ital Biol Sper** 51(20):1467–9, 30 Oct 75 (Ita)
[Influence of vagotomy on the circadian rhythm of the exopancreatic secretion in the rat] Pedrazzoli S, et al. **Chir Patol Sper** 23(1):1–8, Feb 75 (Eng. Abstr.) (Ita)
[Proceedings: Selective partial vagotomy and gastric motility] Kuwashima T, et al. **Jpn Arch Intern Med** 11(4):175–9, Dec 75 (Jpn)
[Proceedings: Action potentials of the stomach during vagotomy] Miyajima Y, et al. **Jpn Arch Intern Med** 11(4):231–2, Dec 75 (Jpn)
[Proceedings: Achalasia of the esophagus. (8) Effects of bilateral transection of the cervical sympathetic vagus nerve trunk on esophageal blood flow] Nakamura H, et al. **Jpn Arch Intern Med** 11(4):257–8, Dec 75 (Jpn)
[Proceedings: Selective proximal vagotomy and gastric motility] Okamura T, et al. **Jpn Arch Intern Med** 11(4):180–3, Dec 75 (Jpn)
[Proceedings: Changes in gastric motility after selective vagotomy and selective proximal vagotomy] Tanaka N. **Jpn Arch Intern Med** 11(4):183–6, Dec 75 (Jpn)
[Proceedings: Changes in denervation sensitivity of the gastric smooth muscle caused by carbachol stimulation] Yamazaki Y, et al. **Jpn Arch Intern Med** 11(4):228–9, Dec 75 (Jpn)
[Proceedings: Effects of various types of vagotomy on the action potentials of the stomach] Yokomichi H, et al. **Jpn Arch Intern Med** 11(4):232–4, Dec 75 (Jpn)
Analysis of gastric secretions after selective proximal vagotomy (author's transl)] Kato H, et al. **Jpn J Gastroenterol** 72(11):1413–8, Nov 75 (Jpn)
[A gastro-electromyographical study on selective vagotomy and proximal selective vagotomy in the dog (author's transl)] Shimizu Y. **Jpn J Smooth Muscle Res** 11(2):57–77, Jun 75 (Eng. Abstr.) (Jpn)
[Effect of selective proximal and truncal vagotomy on canine gastric electrical activity (author's transl)] Yokomichi H, et al. **Jpn J Smooth Muscle Res** 12(1):15–24, Mar 76 (Eng. Abstr.) (Jpn)
[Radiological appearance of yeast-like fungi and bezoars in the stomach after vagotomy and pyloroplasty (author's transl)] Raszke K, et al. **Pol Przegl Radiol** 40(1):17–21, Jan–Feb 76 (Eng. Abstr.) (Pol)
[Vagotomy in corrective operations after stomach resection (author's transl)] Doliński J, et al. **Przegl Lek** 32(10):765–7, 1975 (Eng. Abstr.) (Pol)
[Blood serum proteins in patients with duodenal ulcer after complete and selective vagotomy (author's transl)] Lewicki K. **Przegl Lek** 32(10):737–41, 1975 (Eng. Abstr.) (Pol)
[Late results of treatment of perforated duodenal ulcer by vagotomy and pyloroplasty] Soltysiak A. **Wiad Lek** 29(2):85–7, 15 Jan 76 (Eng. Abstr.) (Pol)
[Early complications of truncal and selective vagotomy and drainage operation in treatment of chronic duodenal ulcer] Szalach E, et al. **Wiad Lek** 29(2):89–94, 15 Jan 76 (Eng. Abstr.) (Pol)
[Anatomical study of vagal innervation of the stomach; surgical applications] Haddad CM. **Rev Paul Med** 85(3–4):53–8, Mar–Apr 75 (Eng. Abstr.) (Por)
[Ulcer recurrence after vagotomy] Alexiu O, et al. **Rev Chir [Chir]** 25(3):189–92, May–Jun 76 (Eng. Abstr.) (Rum)
[Indications and technic of proximal selective vagotomy of the gastric acid secretory zone] Gavriliu D, et al. **Rev Chir [Chir]** 23(9):751–6, Nov–Dec 74 (Eng. Abstr.) (Rum)
[Medico-surgical tactics in the treatment of gastro-duodenal ulcer] Nicolaescu T, et al. **Rev Med Intern [Med Intern]** 27(3):175–82, May–Jun 75 (Eng. Abstr.) (Rum)
[Effect of bilateral subdiaphragmatic vagotomy on the activity of several energy metabolism enzymes in the liver] Parfenova NS. **Biull Eksp Biol Med** 82(7):814–5, Jul 76 (Eng. Abstr.) (Rus)
[Physiologic regeneration of jejunal epithelium following bilateral subdiaphragmatic vagotomy in rats] Tsibulevskii AIu, et al. **Biull Eksp Biol Med** 81(2):236–7, Feb 76 (Eng. Abstr.) (Rus)
[Pressor responses from the carotid sinuses in dogs with denervated hearts] Il'chevych MV, et al. **Fiziol Zh** 21(5):595–601, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Mechanism of changes in the surface-active properties of the lungs following vagotomy] Kriuchkova VI. **Fiziol Zh SSSR** 62(7):1076–9, Jul 76 (Rus)
[Participation of the cardiac sympathetic innervation in the occurrence of vagotomic and atropine tachycardia in anesthetized dogs] Nikol'skaia MG, et al. **Fiziol Zh SSSR** 61(10):1449–53, Oct 75 (Eng. Abstr.) (Rus)
[Vagotomy in the surgery of peptic ulcer] Esperov BN, et al. **Khirurgiia (Mosk)** (6):23–7, Jun 75 (Eng. Abstr.) (Rus)
[Remote results of pyloroplasty and vagotomy in patients with perforated duodenal ulcer] Mints VIa, et al. **Khirurgiia (Mosk)** (6):33–9, Jun 75 (Eng. Abstr.) (Rus)
[Gastromucoprotein secretion after drainage surgery on the stomach and vagotomy for ulcers] Nechiporuk VM, et al. **Klin Khir** (11):13–6, Nov 75 (Eng. Abstr.) (Rus)
[Results of treatment of peptic ulcer by selective vagotomy and resection of the antrum] Roman LI, et al. **Klin Khir** (12):31–4, Dec 75 (Rus)
[The enzyme activity of the blood serum of peptic ulcer patients in relation to method of operation] Romaniak MI, et al. **Klin Khir** (12):6–9, Dec 75 (Rus)
[Functional and morphological changes in the stomach of patients with a complicated form of ulcer disease after vagotomy] Dorofeev GI, et al. **Sov Med** (2):34–7, Feb 76 (Eng. Abstr.) (Rus)
[Results of clinico-roentgenological comparisons in dumping syndrome after vagotomy] Bokareva GS, et al. **Vestn Khir** 115(7):19–22, Jul 75 (Eng. Abstr.) (Rus)
[Results of vagotomy in duodenal ulcer not responsive to conservative treatment] Kurygin AA. **Vestn Khir** 114(1):25–9, Jan 75 (Eng. Abstr.) (Rus)
[Vagotomy in treatment of acute gastroduodenal hemorrhage] Lytkin MI, et al. **Vestn Khir** 115(11):3–10, Nov 75 (Rus)
[Functional state and structure of gastric mucosa in patients with ulcer disease after vagotomy and pyloroplasty] Lytkin MI, et al. **Vestn Khir** 116(2):41–6, Feb 76 (Eng. Abstr.) (Rus)
[Exocrine function of the pancreas after vagotomy with economical gastric resection] Postolov PM, et al. **Vestn Khir** 115(8):8–12, Aug 75 (Eng. Abstr.) (Rus)
[Effect of vagotomy with conservative stomach resection on the level of blood gastrin] Postolov PM, et al. **Vestn Khir** 115(11):10–4, Nov 75 (Eng. Abstr.) (Rus)
[Lipid ang glucose absorption after vagotomy with conservative resection of the stomach] Postolov PM, et al. **Vestn Khir** 114(1):29–31, Jan 75 (Eng. Abstr.) (Rus)
[10-year experience with the treatment of duodenal ulcer by vagotomy] Sitenko VM, et al. **Vestn Khir** 115(7):3–9, Jul 75 (Eng. Abstr.) (Rus)
[Vagotomy and pyloroplasty in patients with duodenal ulcer with decreased acid production] Zhupan VF, et al. **Vestn Khir** 115(8):17–20, Aug 75 (Eng. Abstr.) (Rus)
[Complications of gastric resection in vagotomized duodenal ulcer patients] Gago Romon P, et al. **Rev Esp Enferm Apar Dig** 48(1):17–22, Jul 76 (Spa)
[Proximal or superselective gastric vagotomy in hypersecreting peptic ulcer. Is it sufficient, or is antrectomy needed?] Narbona B, et al. **Rev Esp Enferm Apar Dig** 48(1):1–16, Jul 76 (Eng. Abstr.) (Spa)
[Effect of vagal denervation on the alkaline phosphatases of the jejunal mucosa of the rat (author's transl)] Váquez JM, et al. **Rev Esp Fisiol** 32(2):123–6, Jun 76 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Proceedings: The effect of truncal vagotomy and drainage on the duodenal osmoreceptor control of gastric emptying. Cook AI, et al. **Br J Surg** 63(8):657–8, Aug 76
The effect of posture on the emptying of the intrathoracic vagotomized stomach. Hinder RA. **Br J Surg** 63(8):581–4, Aug 76
Drug therapy for postragotomy gastric stasis. Sheiner HJ, et al. **Br J Surg** 63(8):608–11, Aug 76
Letter: Lesser curve necrosis after proximal vagotomy. Hefferman SJ. **Br Med J** 1(6006):398–9, 14 Feb 76
Ischaemic necrosis of lesser curve after proximal gastric vagotomy. Moore FP, et al. **Br Med J** 4(5992):328, 8 Nov 75
Letter: Ischaemic necrosis of lesser curve of stomach. Taylor TV, et al. **Br Med J** 1(6003):222, 24 Jan 76
Histochemical studies on the influence of experimental vagotomy on epithelial mucous substances in the stomach and jejunum of white rats. Wesclowski H, et al. **Folia Morphol (Warsz)** 35(1):7–14, 1976
Proceedings: Double-blind controlled trial of cholestyramine in the treatment of post-vagotomy diarrhoea. Allan JG, et al. **Gut** 16(10):830, Oct 75
Post-prandial changes in PH and electrolyte concentration, in the upper jejunum after truncal vagotomy and drainage in man. Temple JG, et al. **Gut** 16(12):961–5, Dec 75
Postprandial osmotic and fluid changes in the upper jejunum after truncal vagotomy and drainage in man. Temple JG, et al. **Gut** 16(12):957–60, Dec 75
Cardiovascular complications on upper vagal rootlet section for glossopharyngeal neuralgia; case report. Nagashima C, et al. **J Neurosurg** 44(2):248–53, Feb 76
Postvagotomy diarrhea. Cerda JJ, et al. **Major Probl Clin Surg** 20:114–8, 1976
Common problems of gastrectomy and vagotomy. Alexander-Williams J. **Practitioner** 216(1296):649–54, Jun 76
Postvagotomy diarrhea treated with cholestyramine. Hill LS. **Proc R Soc Med** 69(7):521, Jul 76
[Apropos of the treatment of functional postvagotomy gastrostasis] Chomakova A, et al. **Khirurgiia (Sofiia)** 28(2):127–31, 1975 (Eng. Abstr.) (Bul)
[Incidents and complications of gastric vagotomy] Stulhofer M, et al. **Lijec Vjesn** 97(8):457–60, Aug 75 (Eng. Abstr.) (Cro)
[Postoperative necrotizing enteritis after vagotomy for duodenal ulcer] Gautier-tbenoit C, et al. **Chirurgie** 100(11):777–80, 13–20 Nov 74 (Fre)
[Stomach wall necrosis as a complication of proximal selective vagotomy in uremic patients] Uhlschmid G, et al. **Helv Chir Acta** 42(4):547–50, Sep 75 (Ger)
[Incidence of cholelithiasis following trunk vagotomy] Ihász M, et al. **Zentralbl Chir** 100(18):1099–104, 1975 (Ger)
[Postvagotomy dysphagia] Ihász M. **Zentralbl Chir** 100(10):603–7, 1975 (Ger)
[Preoperative and early postoperative complications of vagotomy] Ihász M, et al. **Orv Hetil** 116(41):2403–7, 12 Oct 75 (Hun)
[Metabolic changes in digestion and fat absorption in vagotomy patients] Gherguț A, et al. **Rev Chir [Chir]** 24(4):311–6, Jul–Aug 75 (Rum)

METHODS

Vagotomy of the fundic gland area of the stomach without drainage. A definitive treatment for perforated duodenal ulcer. Jordan PH Jr, et al. **Am J Surg** 131(5):523–6, May 76
The practicality of the Congo Red test, or is your vagotomy complete? Saik RP, et al. **Am J Surg** 132(2):144–9, Aug 76
Aberrations in Hollander test response after incomplete vagotomy. Compensating effect of antral resection in the dog. Vogel SB, et al. **Am J Surg** 129(1):55–61, Jan 75
Selective proximal vagotomy. A preliminary report. Mokka RE, et al. **Ann Chir Gynaecol** 65(3):181–6, 1976
Duodenoplasty with proximal gastric vagotomy. Kennedy T. **Ann R Coll Surg Engl** 58(2):144–6, Mar 76
Basal and meat extract plasma gastrin before and after parietal cell vagotomy and selective gastric vagotomy with drainage in patients with duodenal ulcer. Fischer JE, et al. **Ann Surg** 183(2):167–73, Feb 76
Proceedings: Plasma gastrin after proximal gastric vagotomy and vagotomy and antrectomy. Royston CM, et al. **Br J Surg** 62(8):664, Aug 75
Editorial: Great expectations from proximal vagotomy. **Br Med J** 4(5995):487–8, 29 Nov 75
Letter: Advantages and disadvantages of highly selective vagotomy. Hopton DS, et al. **Br Med J** 1(6002):149, 17 Jan 76
Selective and highly selective vagotomy with and without gastric drainage. Cooperman AM. **Cleve Clin Q** 43(2):51–60, Summer 76
Serial insulin tests over a five-year period after highly selective vagotomy for duodenal ulcer. Lyndon PJ, et al. **Gastroenterology** 69(6):1188–95, Dec 75
Proceedings: A controlled comparison of highly selective vagotomy against truncal vagotomy and pyloroplasty for duodenal ulcer. Koffman CG, et al. **Gut** 16(10):829, Oct 75
Proceedings: Interim results of prospective randomized trial of highly selective vagotomy versus a more proximal type of gastric vagotomy for duodenal ulcer: clinical and secretory findings. Lyndon PJ, et al. **Gut** 16(10):829, Oct 75
Highly selective vagotomy plus dilatation of the stenosis compared with truncal vagotomy and drainage in the treatment of pyloric stenosis secondary to duodenal ulceration. McMahon MJ, et al. **Gut** 17(6):471–6, Jun 76
Vagotomy—a prospective, randomized study. Bombeck CT, et al. **J Surg Oncol** 7(5):411–14, 1975
Parietal cell vagotomy. Cumberland VH, et al. **Med J Aust** 2(2):39–42, 12 Jul 75
Letter: Parietal cell vagotomy. Cumberland VH, et al. **Med J Aust** 2(12):492, 20 Sep 75
Highly selective vagotomy. Johnston D. **Prog Surg** 14:1–45, 1975 (146 ref.)
Vagotomy: the options. Kennedy T. **Surg Annu** 8:181–95, 1976 (52 ref.)
Highly selective vagotomy. Cooperman AM. **Surg Clin North Am** 55(5):1089–101, Oct 75
Selective vagotomy of the canine oesophagus—a model for the treatment of hiatal hernia. Edwards MH. **Thorax** 31(2):185–9, Apr 76
[Pyloroplasty in combination with bilateral vagotomy, a choice method for treating perforated duodenal ulcer] Ivanov IK. **Khirurgiia (Sofiia)** 29(1):85–7, 1976 (Bul)
[The place of vagotomy in the treatment of duodenal ulcer. Report of 156 cases (author's transl)] Stoppa R, et al. **Ann Chir** 30(3):223–8, Mar 76 (Eng. Abstr.) (Fre)

[The role of vagotomy with exclusion antrectomy in the treatment of choledochoduodenal fistulas of ulcerous origin. Apropos of 5 cases] Amor SB, et al. **Chirurgie** 101(11):791–9, Nov 75 (Eng. Abstr.) **(Fre)**

[Assessment of the methods of drainage associated with truncular vagotomy] Arianoff AA, et al. **J Chir (Paris)** 111(5–6):547–52, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Letter: Peroperative control of gastric acidity during ultraselective vagotomy] Cuilleret J, et al. **Nouv Presse Med** 4(43):3073, 13 Dec 75 **(Fre)**

[Ultraselective vagotomy followed by fundus plication] Picaud R, et al. **Nouv Presse Med** 4(40):2881–2, 22 Nov 75 **(Fre)**

[Crown epiplooplasty with ultraselective vagotomy for perforated ulcers of the duodenal cap] Rives J, et al. **Nouv Presse Med** (23):1721–4, 7 Jun 75 **(Fre)**

[Supra-selective vagotomy in the rat. A new experimental model. Preliminary results] Patricio J, et al. **Rev Chir [Chir]** 111(5–6):655–66, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Results of proximal selective vagotomy with and without pyloroplasty] Säuberli H, et al. **Helv Chir Acta** 42(4):543–6, Sep 75 **(Ger)**

[Vagotomy (author's transl)] **Langenbecks Arch Chir** 339:621–30, Nov 75 (Eng. Abstr.) **(Ger)**

[Recurrent ulcer following vagotomy: completion of vagotomy or resection (author's transl)] Bauer H, et al. **Munch Med Wochenschr** 118(15):453–6, 9 Apr 76 (Eng. Abstr.) **(Ger)**

[Editorial: Vagotomy] Holle F. **Munch Med Wochenschr** 118(24):[7]–[8], 11 Jun 76 **(Ger)**

[Non-resecting surgery for gastroduodenal ulcer. II. Indication and technique (author's transl)] Holle F, et al. **Munch Med Wochenschr** 118(24):777–84, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Current elective surgery of chronic duodenal ulcers] Aeberhard P, et al. **Schweiz Med Wochenschr** 105(27):879–83, 5 Jul 75 (Eng. Abstr.) **(Ger)**

[Selective anterior vagotomy of the duodenum. Propositions, technics and experimental results] Berti Riboli E, et al. **Minerva Chir** 31(1–2):8–13, 15–31 Jan 76 (Eng. Abstr.) **(Ita)**

[Effects of various types of vagotomy on the serum gastrin level and gastric secretion] Nishigori M. **Jpn J Gastroenterol** 73(5):499–512, May 76 (Eng. Abstr.) **(Jpn)**

[Proximal selective vagotomy in the treatment of duodenal ulcer] Soltysiak A, et al. **Wiad Lek** 29(13):1149–55, 1 Jul 76 (Eng. Abstr.) **(Pol)**

[Superselective vagotomy. Indication, technic and initial results] Diniz Nogueira CE, et al. **Rev Assoc Med Bras** 21(10):309–11, Oct 75 **(Por)**

[Transthoracic truncal vagotomy as an operation necessary in peptic ulcer of the jejunum] Longhino A, et al. **Acta Chir Iugosl** 23(1):45–50, 1976 (Eng. Abstr.) **(Ser)**

[Our experiences in the treatment of bleeding duodenal ulcer by means of proximal gastric vagotomy] Peev A, et al. **Acta Chir Iugosl** 23(2):145–52, 1976 (Eng. Abstr.) **(Ser)**

[Early postoperative effects of trunk vagotomy on intestinal motility] Cascón AD, et al. **Rev Esp Enferm Apar Dig** 47(5):585–604, May 76 **(Spa)**

MORTALITY

Operative mortality and postoperative morbidity of highly selective vagotomy. Johnston D. **Br Med J** 4(5996):545–7, 6 Dec 75

[The role of vagotomy and gastric resection in the surgical treatment of peptic ulcer] Pálvölgyi L, et al. **Orv Hetil** 116(47):2763–7, 23 Nov 75 **(Hun)**

NURSING

Nursing care study: vagotomy and pyloroplasty for duodenal ulcer. Goble IW. **Nurs Times** 72(28):1078–80, 15 Jul 76

STANDARDS

[Pre and postoperative secretion studies in selective proximal vagotomy. Report on 50 patients] Meyer C, et al. **Schweiz Med Wochenschr** 105(20):639–42, 17 May 75 (Eng. Abstr.) **(Ger)**

VAGUS NERVE

Intracranial neurinomas of the nerves of the jugular foramen. Report of 12 personal cases. Pluchino F, et al. **Acta Neurochir (Wien)** 31(3–4):201–21, 1975

Isolated temporary pharyngeal paralysis in childhood. Edin M, et al. **Lancet** 1(7968):1047–9, 15 May 76

The vagus reaction as a possible cause of severe complications of radiological procedures. Andrews EJ Jr. **Radiology** 121(1):1–4, Oct 76

Antigen-induced airway obstruction and the influence of vagus blockade. Zimmermann I, et al. **Respiration** 33(2):95–103, 1976

Ganglioneuroma associated with neurofibromatosis. Walrond ER, et al. **West Indian Med J** 24(4):202–5, Dec 75

[Chemodectomas of the vagus nerve. Pathogenic hypothesis based on a review of 100 cases] Kissel P, et al. **Rev Neurol (Paris)** 132(6):391–404, Jun 76 (74 ref.) (Eng. Abstr.) **(Fre)**

[Round table discussion. Ulcer – vagus – gastrin] **Z Gastroenterol** 14(2):123–37, Mar 76 (Eng. Abstr.) **(Ger)**

[Neurinoma of the abdominal vagus and replapsing peptic ulcer (author's transl)] Bozzetti F, et al. **Tumori** 61(2):211–3, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Intrathoracic neoplasm arising from the vagus nerve—a case report] Shirakusa T, et al. **Jpn J Thorac Surg** 28(11):827–30, Nov 75 (Eng. Abstr.) **(Jpn)**

[Case of chemodectoma, originating from the vagus nerve, with marked somatic disorders] Filatov VF, et al. **Zh Ushn Nos Gorl Bolezn** (2):117–8, Mar–Apr 75 **(Rus)**

ANALYSIS

[Factors of coagulation and fibrinolysis in somatic and autonomic nerve fibers and their role in the process of excitation] Rusiaev VF, et al. **Tsitologiia** 18(5):632–6, 1976 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Abdominal vagal paraganglia: distribution and comparison with carotid body, in the rat. Deane BM, et al. **Acta Anat (Basel)** 93(1):19–28, 1975

[Dorsal glossopharyngeus and vagus area in the human brain] Braak H. **Verh Anat Ges** 68:299–304, 1974 **(Ger)**

[Morphological specifications on the anatomy of the vagus nerve in the mediastinum] Vitiello FS. **Minerva Chir** 30(19):1017–9, 15 oct 75 (Eng. Abstr.) **(Ita)**

[Anatomical study of vagal innervation of the stomach; surgical applications] Haddad CM. **Rev Paul Med** 85(3–4):53–8, Mar–Apr 75 (Eng. Abstr.) **(Por)**

[A morphotopographic and electrophysiologic study of the extracardiac innervation of the cat heart from the right side] Krasnozhenova NA, et al. **Biol Nauki** (4):28–33, 1975 **(Rus)**

[The structuro-functional organization of the vagus nerve and its role in regulating the heart] Samonina GE, et al. **Biol Nauki** (12):37–52, 1975 (105 ref.) **(Rus)**

[Anatomy and topography of the cervical segment of vagal trunk] Manukian LKh. **Zh Eksp Klin Med** 15(5):82–8, 1975 **(Rus)**

CYTOLOGY

Catecholamine-containing nerve fibres in the human abdominal vagus. Lundberg J, et al. **Gastroenterology** 70(3):472–4, Mar 76

DRUG EFFECTS

Intracellular recording of after-discharge induced by veratrum alkaloids in the guinea-pig nodose ganglion. Blackman JG, et al. **Brain Res** 98(2):369–72, 14 Nov 75

Both direct and neurally mediated components of the chronotropic actions of aminophylline. Urthaler F, et al. **Chest** 70(1):24–32, Jul 76

[Effect of the vagus nerve on isolated rabbit atria in ganglionic blockade due to hexamethonium] Weiss E. **Acta Biol Med Ger** 34(7):1217–25, 1975 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Redistribution of choline acetyltransferase and acetylcholinesterase in an isolated nerve segment of the rabbit vagus nerve. Fonnum F, et al. **J Neurochem** 26(2):427–9, Feb 76

INJURIES

Traumatic division of pharyngeal branch of vagus causing dysphagia. Tresure T. **Br Med J** 1(6013):808–9, 3 Apr 76

METABOLISM

Rapid axonal transport of labeled proteins in regenerating sensory and motor fibers of rabbit vagus nerve. McLean WG, et al. **Exp Neurol** 52(2):242–9, Aug 76

A comparison of fast and intermediate phases of axonal transport of labelled proteins in rabbit vagus nerves. pp. 206–10. McLean WG, et al.
In: Bradley, WG, et al., ed. Recent advances in myology. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.360 1974.

The effect of electrical stimulation on the distribution of labelled protein in isolated segments of rabbit vagus nerve. Badr GG, et al. **J Neurochem** 25(6):921–3, Dec 75

Retrograde axonal transport of rapidly migrating labelled proteins and glycoproteins in regenerating peripheral nerves. Frizell M, et al. **J Neurochem** 27(1):191–6, Jul 76

Axonal transport of labelled proteins in sensory fibres of rabbit vagus nerve in vitro. McLean WG, et al. **J Neurochem** 25(5):695–8, Nov 75

Labelled proteins in rabbit vagus nerve between the fast and slow phases of axonal transport. McLean WG, et al. **J Neurochem** 26(1):77–82, JAN 76

Slow axonal transport of labelled proteins in sensory fibres of rabbit vagus nerve. McLean WG, et al. **J Neurochem** 26(6):1213–6, Jun 76

Proceedings: Effects of ions and temperature on the efflux of orthophosphate from rabbit vagus nerve fibres. Ferrero J, et al. **J Physiol (Lond)** 254(1):64P–65P, Jan 76

PHYSIOLOGY

The significance of afferent vagal information in the control of breathing in guinea pigs. Glogowska M. **Acta Neurobiol Exp (Warsz)** 35(2):139–47, 1975

Letters: Vagal stimulation and the left ventricular pressure in the rat. Sergio Trocoli A, et al. **Acta Physiol Lat Am** 24(4):377–9, 1974

The effects of CO2 on the components of breathing pattern. Romaniuk JR, et al. **Acta Physiol Pol** 27(3):215–33, May–Jun 76

Vagal influence on serotonin concentration in enterochromaffin cells in the cat. Ahlman H, et al. **Acta Physiol Scand** 97(3):362–8, Jul 76

The role of cholinergic excitation in the formation of histamine within the rat gastric mucosa. Lundell L. **Acta Physiol Scand** 97(2):145–9, Jun 76

The vagal control of the ileo-cecal sphincter in the cat. Pahlin PE, et al. **Acta Physiol Scand** 96(4):433–42, Apr 76

Quantitative aspects of the vagal control of gastrin release in cats. Uvnäs-Wallenstein K, et al. **Acta Physiol Scand** 96(1):19–28, Jan 76

Gastric clearance of gastrin during acid secretory responses to vagal activation and its effect on peripheral gastrin levels. A study on anesthetized cats. Uvnäs-Wallensten K, et al. **Acta Physiol Scand** 97(3):349–56, Jul 76

Vagal reflexes in the bronchoconstriction occurring after induced intravascular platelet aggregation. Vaage J. **Acta Physiol Scand** 97(1):94–103, Mar 76

Excitability changes of the inspiratory 'off-switch' mechanism tested by electrical stimulation in nucleus parabrachialis in the cat. von Euler C, et al. **Acta Physiol Scand** 97(2):175–88, Jun 76

Spatial synchronization of the ongoing bioelectrical activity of the vegetative nerves and brain formations. Nikolov N, et al. **Agressologie** 15(7):415–21, 1974

Quantitative description of vagal-escape in isolated rabbit atrium. Nilius B, et al. **Agressologie** 16 Spec No B:1–8, 1975

Dependence of the atrioventricular conduction on the cardiac rate upon increased vagal activity. Pavlov V. **Agressologie** 16 Spec No B:9–13, 1975

Fluctuations in the vagal and sympathetic tone connected with the circadian cycle and the wakefulness-sleep cycle. Varbanova A, et al. **Agressologie** 16(1):27–33, 1975 (Eng. Abstr.)

Effect of vagus nerve stimulation upon excitability of the canine ventricle. Role of sympathetic-parasympathetic interactions. Kolman BS, et al. **Am J Cardiol** 37(7):1041–5, Jun 76

Mechanism of diuretic response associated with atrial tachycardia. Boykin J, et al. **Am J Physiol** 229(6):1486–91, Dec 75

Integration of the cardiovagal mechanism in the medulla oblongata of the cat. Chen HI, et al. **Am J Physiol** 231(2):454–61, Aug 76

Responses of rat brainstem neurons to carotid occlusion. Nosaka S. **Am J Physiol** 231(1):20–7, Jul 76

Vasomotor inhibition in rabbits by vagal nonmedullated fibers from cardiopulmonary area. Thorén PN, et al. **Am J Physiol** 229(5):1410–3, Nov 75

Lack of a direct effect of efferent cardiac vagal nerve activity on atrial receptor activity. Wahab NS, et al. **Am J Physiol** 229(2):314–7, Aug 75

Increase in renin release after sionaortic denervation and cervical vagotomy. Yun JC, et al. **Am J Physiol** 230(3):777–83, Mar 76

Neural control of blood flow in gastric mucosa. Kalahanis NG, et al. **Am J Surg** 131(1):86–90, Jan 76

Dynamic vagal control of atrial-ventricular condition: theoretical and experimental studies. Martin P. **Ann Biomed Eng** 3(3):275–95, Sep 75

Ear-cough (Arnold's) reflex. Bloustine S, et al. **Ann Otol Rhinol Laryngol** 85(3 pt 1):406–7, May–Jun 76

Parasympathetic innervation and pancreatic secretion: the role of the gastric antrum. Rosenberg IR, et al. **Ann Surg** 183(3):247–51, Mar 76

Effect of amantadine on blood pressure responses induced by vagal and sympathetic stimulation. Dhasmana KM. **Arch Int Pharmacodyn Ther** 217(2):276–9, Oct 75

Effect of denervation of pyloric antrum on the gastric secretory response to food. Hunt DR, et al. **Aust J Exp Biol Med Sci** 53(6):499–514, Dec 75

The inhibitory influence of the pyloric antrum on gastric secretion in dogs. Hunt DR, et al. **Aust J Exp Biol Med Sci** 54(1):79–89, Feb 76

A quantitative comparison of the formation of synapses in the rat superior cervical sympathetic ganglion by its own and by foreign nerve fibres. Ostberg AJ, et al. **Brain Res** 107(3):445–70, 14 May 76

Vago-aortic nerves stimulation and REM sleep: evidence for a REM-triggering and a REM-maintenance factor. Puizillout JJ, et al. **Brain Res** 111(1):181–4, 23 Jul 76

Studies on the hemodynamic changes induced by electrical stimulation of the vagosympathetic trunks in the dog. Rengo F, et al. **Cardiology** 60(2):98–112, 1975

Relation of vagus nerve to cardiac toxicity of ouabain in different blood pH. Lu HH, et al. **Chin J Physiol** 21(4):253–8, 31 Dec 74

Influence of cardiopulmonary vagal afferent activity on carotid chemoreceptor and baroreceptor reflexes in the dog. Koike H, et al. **Circ Res** 37(4):422–9, Oct 75

Effect of vagal stimulation on the overflow of norepinephrine into the coronary sinus during cardiac sympathetic nerve stimulation in the dog. Levy MN, et al. **Circ Res** 38(2):81–4, Feb 76

Depression of atrioventricular sensitivity in the dog by successive brief bursts of vagal stimulation. Martin P. **Circ Res** 38(5):448–53, May 76

Mechanical stimuli exciting type A atrial vagal receptors in the cat. Recordati G, et al. **Circ Res** 38(5):397–403, May 76

Atrial receptors with nonmedullated vagal afferents in the cat. Discharge frequency and pattern in relation to atrial pressure. Thorén PN. **Circ Res** 38(5):357–62, May 76

Role of heart and lung receptors with nonmedullated vagal afferents in circulatory control. Thorén PN, et al. **Circ Res** 38(6 Suppl 2):2–9, Jun 76 (48 ref.)

The effect of vagus nerve stimulation upon vulnerability of the canine ventricle: role of sympathetic–parasympathetic interactions. Kolman BS, et al. **Circulation** 52(4):578–85, Oct 75

Muscarinic effects of vagosympathetic trunk stimulation on the repetitive extrasystole (RE) threshold. Rabinowitz SH, et al. **Circulation** 53(4):622–7, Apr 76

Roles of the facial, glossopharyngeal and vagus nerves in velopharyngeal movement. Nishio J, et al. **Cleft Palate J** 13:201–14, Jul 76

Inhibitory vagal innervation of the stomach in fish. Campbell G. **Comp Biochem Physiol [C]** 50(2):169–70, 1 Apr 75

Vago–sympathetic innervation of the heart of the puff adder, Bitis arietans Hedberg A, et al. **Comp Biochem Physiol [C]** 53(1):3–8, 1976

The role of the vascular wall in the mechanism of control of blood coagulation and fibrinolysis on stimulation of the vagus nerve. Kuznik BI, et al. **Cor Vasa** 17(2):151–8, 1975

Parietal cell vagotomy in dogs. Influence on heidenhain pouch acid secretion, serum gastrin concentration, gastric emptying and motility. Boné J, et al. **Digestion** 12(4–6):201–8, 1975

Interactions between vagus nerve stimulation and pentagastrin or secretin on the guinea pig gallbladder. Davison JS, et al. **Digestion** 13(4):251–4, 1975

Gastric acid responses to graded vagal stimulation in the anaesthetized cat. Sjödin L. **Digestion** 12(1):17–24, 1975

Acute gastric ulcer formation in response to electrical vagal stimulation in rats. Cho CH, et al. **Eur J Pharmacol** 35(1):215–9, Jan 76

Action of clonidine on the baroreceptor pathway and medullary sites mediating vagal bradycardia. Laubie M, et al. **Eur J Pharmacol** 38(2):293–303, Aug 76

Intragastric NaHCO3 perfusion and vagal–induced ulcer formation in the rat stomach. Ogle CW, et al. **Eur J Pharmacol** 37(1):197–201, May 76

Effect of subdiaphragmatic vagotomy on production of gastric ulcers in pylorus–ligated albino rats. Ganguly AK, et al. **Experientia** 32(1):74–5, 15 Jan 76

Distribution of excitatory vagal fibers in canine gastric wall to control motility. Daniel EE, et al. **Gastroenterology** 71(4):608–13, Oct 76

A mathematical model of the vagally driven SA nodal pacemaker. Greco EC Jr, et al. **IEEE Trans Biomed Eng** 23(3):192–9, May 76

Autonomic components of the hypothalamic feeding syndromes. pp. 313–26. Powley TL, et al. **In: Novin D et al., ed. Hunger: basic mechanisms and clinical implications. New York, Raven Press, 1975. WI 102 H936 1975.**

Changes in EEG and in the activity of the whole cervical vagus upon application of sex hormones. pp. 385–9. Varbanova A, et al. **In: Vassileva–Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Centrally mediated pressor response of angiotensin II in dogs. Singh KN, et al. **Indian J Med Res** 64(1):138–43, Jan 76

Cardiac function during vagus escape. Mohan M, et al. **Indian J Physiol Pharmacol** 19(2):51–7, Apr–Jun 75

The role of nerves in the production of cardiac arrest during surgical anaesthesia. Srivastava S, et al. **Indian J Physiol Pharmacol** 20(1):27–32, Jan–Mar 76

Respiratory sinus arrhythmia: noninvasive measure of parasympathetic cardiac control. Katona PG, et al. **J Appl Physiol** 39(5):801–5, Nov 75

Regulation of respiration in sleeping dogs. Phillipson EA, et al. **J Appl Physiol** 40(5):688–93, May 76

The effects of transecting the IXth and Xth cranial nerves on hydromineral balance in the eel Anguilla anguilla. Mayer–Gostan N, et al. **J Exp Biol** 64(2):461–75, Apr 76

Duodenal nutrient infusion: effects on feeding in intact and vagotomized rabbits. Rezek M, et al. **J Nutr** 106(6):812–20, Jun 76

Centrally mediated increased reflex vagal bradycardia after L–dopa in monoamine oxidase–inhibited anesthetized dogs. Antonaccio MJ, et al. **J Pharmacol Exp Ther** 196(2):380–8, Feb 76

Proceedings: The vagal stimulation of gastric acid, pepsin and motility in the anaesthetized ferret. Andrews PL, et al. **J Physiol (Lond)** 259(1):9P–10P, Jul 76

Proceedings: Quantitative measurement of gastric motility and the effect of 2–deoxy–D–glucose and vagal stimulation in the anaesthetized ferret. Andrews PL, et al. **J Physiol (Lond)** 259(1):32P–33P, Jul 76

Proceedings: Gastric acid and motor responses to electrical stimulation of afferent and efferent fibres in the cat's vagus. Brooks FP, et al. **J Physiol (Lond)** 250(1):17P–18P, Aug 75

Proceedings: Electrical vagal–induced gastric antral contractions and gastric emptying of a liquid test meal in anaesthetized cats. Brooks FP, et al. **J Physiol (Lond)** 251(1):14P–15P, Sep 75

Proceedings: Tonic diencephalic inhibition of the cardiac vagal centre in the cat. Lopes OU, et al. **J Physiol (Lond)** 254(1):62P–63P, Jan 76

The location of cardiac vagal preganglionic motoneurones in the medulla of the cat. McAllen RM, et al. **J Physiol (Lond)** 258(1):187–204, Jun 76

Proceedings: Responses of type A atrial vagal receptors to changes in atrial dynamics. Recordati G. **J Physiol (Lond)** 251(1):36P–37P, Sep 75

Proceedings: Afferent neural unit of the hepatic branch of the vagus nerve. Adachi A. **J Physiol Soc Jpn** 36(8–9):310, 1 Sep 74

Proceedings: Role of respiratory neurons in respiratory reflex responding to the electric stimulation of the cervical vagus nerve and internal branch of the superior laryngeal nerve. Fukuhara T, et al. **J Physiol Soc Jpn** 36(8–9):375, 1 Sep 74

Excitation of afferent cardiac sympathetic nerve fibers induced by vagal stimulation. Uchida Y, et al. **Jpn Heart J** 16(5):548–63, Sep 75

Vagal influences on hypothalamic self–stimulation in the cat. Angyán L. **Life Sci** 17(2):289–92, 15 Jul 75

Disordered drinking after abdominal vagotomy in rats. Kraly FS, et al. **Nature** 258(5532):226–8, 20 Nov 75

Sprouting and regeneration of synaptic terminals in the frog cardiac ganglion. Roper S. **Nature** 261(5556):148–9, 13 May 76

Studies on the nervous regulatory mechanism of blood sugar levels. Niijima A. **Pharmacol Biochem Behav** 3(1 Suppl):139–43, 1975

Analysis of feeding patterns in normal and vagotomized rabbits. Sauderson JD, et al. **Physiol Behav** 15(3):357–64, Sep 75

The role of unilateral vagotomy on reflex bronchoconstriction. Islam MS, et al. **Pneumonologie** 152(4):281–9, 14 Nov 75

Pharmacological studies on the superior cervical ganglion reinnervated by the afferent vagus. Fujiwara M, et al. **Proc West Pharmacol Soc** 18:225–8, 1975

The effects of vagotomy on ventilation and blood gas composition in dog, sheep and rabbit. Kashani M, et al. **Q J Exp Physiol** 60(4):285–98, Oct 75

Studies on the mechanism of the diminished chronotropic response to vagal stimulation in hyperthyroid rats. Hess ME, et al. **Recent Adv Stud Cardiac Struct Metab** 3:675–81, 1973

The effect of varying tidal volume on the associated phrenic motoneurone output:studies of vagal and chemical feedback. Bartoli A, et al. **Respir Physiol** 25(2):135–55, Nov 75

Tonic vagal influences on inspiratory duration. DAngelo E, et al. **Respir Physiol** 24(3):287–302, Sep 75

Contribution of hypercapnic stimuli and of vagal afferents to the timing of breathing in anesthetized cats. Miserocchi G, et al. **Respir Physiol** 25(1):71–88, Oct 75

Functional significance of thoracic vagal branches in the chicken. Peterson DF, et al. **Respir Physiol** 27(2):267–75, Aug 76

The vagus and gastrin components in peripheral blood. Stadil F, et al. **Scand J Gastroenterol [Suppl]** 11(37):77–80, 1976

Circulatory effects of vagal inflation reflex in man. Ott NT, et al. **Z Kardiol** 64(11):1066–70, Nov 75

[Inhibition of morphine of the central vagal pancreatic stimulation caused by 2–deoxy–D–glucose] Vaille C, et al. **Ann Pharm Fr** 33(6–7):329–36, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Monosynaptic and polysynaptic cerebral reflexes during wake–sleep cycle in cats with implanted electrodes] Ternaux JP, et al. **Arch Ital Biol** 113(2):89–106, Jun 75 **(Fre)**

[Changes in ventilatory patterns before and after vagotomy in rabbits] Lefrançois R, et al. **C R Soc Biol (Paris)** 169(1):198–202, 1975 (Eng. Abstr.) **(Fre)**

[Effect of vagus stimulation and adrenaline on smooth muscle of cat lower esophagus] pp. 415–22. Roman C, et al. **In: Worcel M, Vassort G, ed. Smooth muscle pharmacology and physiology. Paris, INSERM, 1976. WE 500 S668 1975.** (Eng. Abstr.) **(Fre)**

[Afferents of vagus nerve to intercalary nucleus] Sobusiak T, et al. **J Hirnforsch** 16(5):395–400, 1975 (Eng. Abstr.) **(Fre)**

[Pulmonary stretch receptors activity during thermal polypnea (author's transl)] Hilaire G, et al. **J Physiol (Paris)** 70(2):219–38, Jul 75 (Eng. Abstr.) **(Fre)**

[Changes in the electrical activity of the rabbit proximal colon in vivo by stimulation of the vagus and splanchnic nerves] Julé Y. **J Physiol (Paris)** 70(1):5–26, May 75 (Eng. Abstr.) **(Fre)**

[Level of oxytocin release induced by vaginal dilatation (Ferguson reflex) and vagal stimulation (vago–pituitary reflex) in lactating rats (author's transl)] Moos F, et al. **J Physiol (Paris)** 70(3):307–14, Nov 75 (Eng. Abstr.) **(Fre)**

[Slow wave sleep with phasic discharges. Triggering by vago–aortic stimulation] Puizillout JJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):21–37, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[Quantitative description of the adaptation of vagal effects by means of an electromechanical coupling model] Nilius B, et al. **Acta Biol Med Ger** 34(8):1377–86, 1975 (Eng. Abstr.) **(Ger)**

[The function of afferent heart nerve fibers] pp. 131–6. Zotterman Y. **In: Gross D et al., ed. Ischamie. Stuttgart, Schattauer, 1975. W3 AS588N 1972i.** **(Ger)**

[Serum gastrin and H+secretion following vagus stimulation in normal persons and in patients with duodenal ulcer] Kleybrink H, et al. **Med Welt** 26(37):1640–1, 12 Sep 75 **(Ger)**

[Cardio–cardiac sympathico–vagal reflex] Schwartz PJ, et al. **Boll Soc Ital Cardiol** 17(12):1257–63, 1972 (Eng. Abstr.) **(Ita)**

[Proceedings: Excitation of noradrenergic inhibitory nerves and ATP release] Oga H, et al. **J Physiol Soc Jpn** 36(8–9):320, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of the vagus nerve on gastric motility in men and dogs] Takita S, et al. **J Physiol Soc Jpn** 36(8–9):320, 1 Sep 74 **(Jpn)**

[Proceedings: Gastric sensory nerve, with special reference to the vagus nerve] Yamada M, et al. **J Physiol Soc Jpn** 36(8–9):310, 1 Sep 74 **(Jpn)**

[Proceedings: Vagus nerve and regional blood flow of the gastric mucosa] Kawamura K, et al. **Jpn Arch Intern Med** 11(4):227–8, Dec 75 **(Jpn)**

[Proceedings: Significance of the pyloric antrum branch of the vagus nerve in gastric movement] Sato M, et al. **Jpn Arch Intern Med** 11(4):230–1, Dec 75 **(Jpn)**

[Airway mechanics and the vagus nerve] Fukuhara T. **Respir Circ (Tokyo)** 24(1):43–54, Jan 76 **(Jpn)**

[Action of the vagus nerve on the carbonic anhydrase content of human gastric mucosa] Banciu T, et al. **Stud Cercet Med Interna** 14(1):41–6, 1973 (Eng. Abstr.) **(Rum)**

[Reaction of the hypothalamo–hypophyseal system of cats to stimulation of the cervical sympathetic nerve and the afferent fibers of the vagus nerve] Borisova EA. **Biull Eksp Biol Med** 80(9):7–10, Sep 75 (Eng. Abstr.) **(Rus)**

[Morphofunctional state of the cholinergic innervation of the rat pancreas during vagotomy] Eletskiĭ IuK, et al. **Biull Eksp Biol Med** 81(4):492–4, 1976 (Eng. Abstr.) **(Rus)**

['Molecular organization' of the vagus nerves and cardiac muscle in different functional states] Gurvich AA. **Biull Eksp Biol Med** 81(6):689–91, Jun 76 (Eng. Abstr.) **(Rus)**

[Effector innervation of melanophores of the arteries of the base of the brain] Motavkin PA. **Biull Eksp Biol Med** 81(2):244–6, Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in the morphology of jejunal mucosa in conditions of bilateral subdiaphramatic vagotomy] Tsibulevskiĭ AIu, et al. **Biull Eksp Biol Med** 81(5):628–32, May 76 (Eng. Abstr.) **(Rus)**

[Effect of subdiaphragmatic vagotomy on iron metabolism in rats] Eletskiĭ IuK, et al. **Dokl Akad Nauk SSSR** 222(5):1252–3, 11 Jun 75 **(Rus)**

[Osmo– and ionic liver receptors] Aizman RI, et al. **Fiziol Zh SSSR** 62(1):128–36, Jan 76 (Eng. Abstr.) **(Rus)**

[Afferent reactions in the gastric branches of the vagus nerve and the developing secretory process] Bagaev VA, et al. **Fiziol Zh SSSR** 61(9):1359–66, Sep 75 (Eng. Abstr.) **(Rus)**

[Afferent activity in the renal nerves of awake dogs treated with diuretics] Baranova AF, et al. **Fiziol Zh SSSR** 61(11):1657–63, Nov 75 **(Rus)**

[Electrical activity of the vagus nerve with high external temperatures] Denisenko PP, et al. **Fiziol Zh SSSR** 61(9):1367–72, Sep 75 (Eng. Abstr.) **(Rus)**

[The effects of electrical stimulation of the nuclei of the vagus nerves in anesthetized and unanesthetized cats] Dugin SF, et al. **Fiziol Zh SSSR** 62(3):382–6, Mar 76 (Eng. Abstr.) **(Rus)**

[Several features of pulmonary receptors] Frankshtein SI, et al. **Fiziol Zh SSSR** 62(7):1036–8, Jul 76 (Eng. Abstr.) **(Rus)**

[A new model of the cardio–cardiac reflex] Kamenskaia VN, et al. **Fiziol Zh SSSR** 62(5):703–10, May 76 (Eng. Abstr.) **(Rus)**

[The chronotropic effect of maximal stress on the heart and its regulation] Pshennikova MG. **Fiziol Zh SSSR** 62(4):566–72, Apr 76 (Eng. Abstr.) **(Rus)**

[Backgroung activity and evoked responses of pigeon cerebellar cortex neurons to stimulation of the vagus nerve and nerves of the extremities] Levchuk OV. **Neirofiziologiia** 7(4):380–7, 1975 (Eng. Abstr.) **(Rus)**

[Electrical potentials of the vagal and sympathetic pathways of the stomach during elaboration of conditioned reflexes] Chubarova NI, et al. **Zh Vyssh Nerv Deiat** 25(5):942–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Parasympathetic control of secretion of pancreatic juice in the rabbit (author's transl)] López MA, et al. **Rev Esp Fisiol** 32(1):53–8, Mar 76 (Eng. Abstr.) **(Spa)**

[Nervous mechanisms of emotional changes in cardiac activity] Obonyts'ka OV, et al. **Fiziol Zh** 22(1):65–71, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

PHYSIOPATHOLOGY

The effect of hypercapnia on the vagal component of the baroreflex. Zieliński A, et al. **Acta Physiol Pol** 26(3):223–8, May–Jun 75

Normal and pathological pathways in the regulation of bronchomotor tone (with special reference to bronchial asthma). Kunkel G, et al. **Allergol Immunopathol (Madr)** 3(6):445–56, Nov–Dec 75

Activation of left ventricular receptors with nonmedullated vagal afferent fibers during occlusion of a coronary artery in the cat. Thorén PN. **Am J Cardiol** 37(7):1046–51, Jun 76

Reversal of hypoxic bradycardia by halothane or midcollicular decerebration. Katzin DB, et al.

Am J Physiol 231(1):179–84, Jul 76
The vagus. Debas HT. **Am Surg** 42(7):498–502, Jul 76
Effect of ascaris extract applied intravenously, on segment bronchus and the influence of ipsilateral vagus blockade. Zimmermann I, et al. **Respiration** 33(4):270–80, 1976
Effect of unilateral vagus blockade on antigen–induced airway obstruction. Zimmermann I, et al. **Respiration** 33(5):359–65, 1976
[The importance of nervus vagus for bronchial obstruction of allergic and non–allergic origin and the therapeutic consequences (author's transl)] Kunkel G, et al. **Prax Pneumol** 30(8):459–68, Aug 76 (Eng. Abstr.) **(Ger)**
[Proceedings: Effects of vagus nerve stimulation in Wolff–Parkinson–White syndrome] Koike T, et al. **Jpn Circ J** 39(7):881, Jul 75 **(Jpn)**
[Effects of bilateral common carotid arteries occlusion on vagal activity (author's transl)] Cicogna AC, et al. **Rev Bras Pesqui Med Biol** 9(1):61–5, Jan–Feb 76 (Eng. Abstr.) **(Por)**

SURGERY

Effect of surgical trauma on the endogeneous heme iron in the brain. Choudhury SR, et al. **Acta Anat (Basel)** 94(4):545–57, 1976
Distal antrectomy with vagectomy for duodenal ulcer: results in 611 cases. Palumbo LT, et al. **Ann Surg** 182(5):610–6, Nov 75
Thoracic vagectomy for vagal bradycardia. Preliminary case report. Coryllos EV, et al. **NY State J Med** 76(5):706–7, May 76

VALERATES

Binding of alpha–ketoisovalerate to alpha–isopropylmalate synthase. Half–of–the–sites and all–of–the–sites availability. Teng–Leary E, et al. **Biochim Biophys Acta** 410(1):210–9, 20 Nov 75
The use of pivalic acid as a reference substance in measurements of production of volatile fatty acids by rumen micro–organisms in vitro. Czerkawski JW. **Br J Nutr** 36(2):311–5, Sep 76
[Possibility of predicting the shelf life of validol tablets] Artem'ev AI. **Farmatsiia** 24(4):60–3, Jul–Aug 75 **(Rus)**

ADMINISTRATION & DOSAGE

Enteric coated dipropylacetate (Depakine). 229–34. Sonnen AE, et al.
In: Schneider H et al., ed. Clinical pharmacology of anti–epileptic drugs. Berlin, Springer, 1975. W3 WO925 1974c.

ADVERSE EFFECTS

Sodium valproate and platelet function. Richardson SGN, et al. **Br Med J** 1(6003):221–2, 24 Jan 76
Letter: Sodium valproate and platelet function. von Voss H, et al. **Br Med J** 2(6028):179, 17 Jul 76

ANALOGS & DERIVATIVES

[Hyperbaric oxygen: effect of sodium dipropylacetate and dipropylacetamine on convulsion seizures and pulmonary lesions in the mouse] Joanny P, et al. **C R Soc Biol (Paris)** 169(3):624–31, 1975 (Eng. Abstr.) **(Fre)**

BLOOD

Concentration of dipropylacetate in plasma. Loiseau P, et al. **Epilepsia** 16(4):609–15, Nov 75
Rapid determination of 4–hydroxybutyric acid (Gamma OH) and 2–propyl pentanoate (Depakine) in human plasma be means of gas–liquid chromatography. Vree TB, et al. **J Chromatogr** 121(1):150–2, 9 Jun 76
Therapeutic effects of glycine in isovaleric acidemia. Krieger I, et al. **Pediatr Res** 10(1):25–9, Jan 76

ISOLATION & PURIFICATION

[The role of chemical races, sources, cultivars and species for the in vivo preparation of radioactive labelled natural compounds, described von Valeriana (author's transl)] Hölzl J. **Planta Med** 28(3):300–14, Nov 75 (Eng. Abstr.) **(Ger)**

METABOLISM

The effects of isovalerate supplementation on growth and fatty acid composition of Tetrahymena pyriformis W. Conner RL, et al. **Biochim Biophys Acta** 398(2):209–16, 25 Aug 75
Accumulation of 3–hydroxyisobutyric acid, 2–methyl–3–hydroxybutyric acid and 3–hydroxyisovaleric acid in ketoacidosis. Landaas S. **Clin Chim Acta** 64(2):143–54, 15 Oct 75
Analytical data in connection with the clinical use of di–n–propylacetate. pp. 235–8. Meinardi H, et al.
In: Schneider H et al., ed. Clinical pharmacology of anti–epileptic drugs. Berlin, Springer, 1975. W3 WO925 1974c.
Acute neonatal isovaleric acidemia. A report of two cases. Spirer Z, et al. **Isr J Med Sci** 11(10):1005–10, Oct 75
Metabolism of [1–(14)C] and [2–(14)C] leucine in cultured skin fibroblasts from patients with isovaleric acidemia. Characterization of metabolic defects. Tanaka K, et al. **J Clin Invest** 58(1):164–72, Jul 76

PHARMACODYNAMICS

A double blind study of the influence of dipropylacetate on behaviour. Sonnen AE, et al. **Acta Neurol Scand [Suppl]** Suppl 60:43–7, 1975
Effects of 4–pentenoic acid on renal phosphate and calcium excretion in the dog. Yeoh HH, et al. **Am J Physiol** 231(1):216–21, Jul 76
Di–n–propylacetic acid––profile of anticonvulsant activity in mice. Frey HH, et al. **Arzneim Forsch** 26(2):299–301, Feb 76
Anticonvulsant action of ethanolamine–O–sulphate and di–n–propylacetate and the metabolism of gamma–aminobutyric acid (GABA) in mice with audiogenic seizures. Anlezark G, et al. **Biochem Pharmacol** 25(4):413–7, 15 Feb 76
On the mechanisms of some pharmacological actions of the hypoglycaemic toxins hypoglycin and pent–4–enoic acid. A way out of the present confusion. Stanley H, et al. **Biochem Pharmacol** 25(7):743–50, 1 Apr 76
New inhibitors of methane production by rumen micro–organisms. Experiments with animals and other practical possibilities. Czerkawski JW, et al. **Br J Nutr** 34(3):447–57, Nov 75
Proceedings: gamma–Aminobutyric acid metabolism and the anticonvulsant action of ethanolamine–o–sulphate and di–n–propylacetate. Anlezark GM, et al. **Br J Pharmacol** 56(3):383P–384P, Mar 76
The encephalopathic action of five–carbon–atom fatty acids in the rabbit. Teychenne PF, et al. **Clin Sci Mol Med** 50(6):463–72, Jun 76
Actions and interactions of dipropylacetate and penicillin on evoked potentials of excised prepiriform cortex of guinea pig. Voskuyl RA, et al. **Epilepsia** 16(4):583–92, Nov 75
Dependence of fibrinolytic activity and some other biologic activities on chemical structure in a group of beta–substituted phenylaliphatic acids. pp. 395–9. Roubal Z, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.
The effects of n–dipropylacetate on the acquisition of conditioned behaviour with negative reinforcement in mice. Misslin R, et al. **Psychopharmacologia** 44(3):263–5, 21 Nov 75
The modification of the ethanol withdrawal syndrome in rats by di–n–propylacetate. Noble EP, et al. **Psychopharmacologia** 46(2):127–31, 16 Mar 76
[Comparison of the effects of di–n–propylacetate and oxazepam on spontaneous and conditioned responses in mice] Misslin R, et al. **C R Acad Sci [D] (Paris)** 281(16):1175–8, 20 Oct 75 (Eng. Abstr.) **(Fre)**
[Effects of n–dipropylacetate on cardiac frequency and emotionality in mice] Misslin R, et al. **C R Acad Sci [D] (Paris)** 282(16):1541–3, 26 Apr 76 (Eng. Abstr.) **(Fre)**
[The effect of an anticonvulsant medication, n–dipropylacetate, on the cerebral penetration of tryptophan in mice] Vacquier M, et al. **C R Acad Sci [D] (Paris)** 282(8):779–81, 23 Feb 76 (Eng. Abstr.) **(Fre)**
[Hyperbaric oxygen: effect of sodium dipropylacetate and dipropylacetamine on convulsion seizures and pulmonary lesions in the mouse] Joanny P, et al. **C R Soc Biol (Paris)** 169(3):624–31, 1975 (Eng. Abstr.) **(Fre)**
[Influence of dipropylacetic acid on hemostasis] Gadner H, et al. **Monatsschr Kinderheilkd** 124(5):448–9, May 76 **(Ger)**

THERAPEUTIC USE

Sodium valproate in the treatment of resistant epilepsy. Hassan MN, et al. **Acta Neurol Scand** 54(3):209–218, Sep 76
Experiences on the use of dipropylacetate in the treatment of childhood epilepsy. Sillanpää M, et al. **Acta Paediatr Scand** 65(2):209–15, Mar 76
Elevation of diphenylhydantoin and primidone serum concentration by addition of dipropylacetate, a new anticonvulsant drug. Windorfer A Jr, et al. **Acta Paediatr Scand** 64(5):771–2, Sep 75
Transport kinetics of plasma free fatty acid, very low density lipoprotein triglycerides and apoprotein in patients with endogenous hypertriglyceridaemia: effects of 2,2–dimethyl, 5(2, 5–xylyoxy) valeric acid therapy. Kissebah AH, et al. **Atherosclerosis** 24(1–2):199–218, Jul–Aug 76
Approach to a combined pharmacologic therapy of childhood hyperkinesis. Knobel M. **Behav Neuropsychiatry** 6(1–12):87–90, Apr 74–Mar 75
Controlled trial of sodium valproate in severe epilepsy. Richens A, et al. **Br Med J** 4(5991):255–6, 1 Nov 75
The use of sodium valproate in a case of status epilepticus. Barnes SE, et al. **Dev Med Child Neurol** 18(2):256–8, Apr 76
Letter: Sodium valproate in the treatment of intractable childhood epilepsy. Coulthard MG. **Dev Med Child Neurol** 17(4):534, Aug 75
The treatment of childhood epilepsy with sodium valproate. Haigh D, et al. **Dev Med Child Neurol** 17(6):743–8, Dec 75
Proceedings: Sodium valproate (Epilim) and photosensitivity. A preliminary report. Herrick CE, et al. **Electroencephalogr Clin Neurophysiol** 39(4):429, Oct 75
Proceedings: The effect of sodium valproate (Epilim) on the EEG. Maheshwari MC, et al. **Electroencephalogr Clin Neurophysiol** 39(4):429, Oct 75
Proceedings: A controlled trial of sodium valproate in severe epilepsy. Richens A. **Electroencephalogr Clin Neurophysiol** 39(4):428, Oct 75
Proceedings: Sodium valproate (Epilim) in the treatment of intractable epilepsy, including some observations on blood levels. Scott DF, et al. **Electroencephalogr Clin Neurophysiol** 39(4):429, Oct 75
Sodium di–N–propylacetate (DPA) in the treatment of epilepsy. A review. Simon D, et al. **Epilepsia** 16(4):549–73, Nov 75 (107 ref.)
Letter: Valproate in the U.S.A. Finkel MJ. **Lancet** 1(7973):1353–4, 19 Jun 76
Huntington's disease: treatment with dipropylacetic acid and gamma–aminobutyric acid. Shoulson I, et al. **Neurology (Minneap)** 26(1):61–3, Jan 76
The prevention of ethanol withdrawal seizures in rats by dipropylacetate. Hillbom ME. **Neuropharmacology** 14(10):755–61, Oct 75
Sodium valproate in the management of intractable epilepsy: comparison with clonazepam. Lance JW, et al. **Proc Aust Assoc Neurol** 12:55–60, 1975
Progressive myoclonic epilepsy. The response to sodium di — n — propylacetate. Tomlinson EB. **Proc Aust Assoc Neurol** 11:203–8, 1974
[Treatment of atypical absences with a combination of succinimide and dipropylacetate (author's transl)] Schneble H. **Dtsch Med Wochenschr** 100(30):1564–7, 25 Jul 75 (Eng. Abstr.) **(Ger)**
[Effectiveness of ergenyl (dipropylacetate) in hypsarrhythmia] Rohmann E, et al. **Kinderaerztl Prax** 44(3):109–13, Mar 76 **(Ger)**
[Austrian complex–study on dipropylacetate. Pediatric experiences] Groh Ch, et al. **Paediatr Paedol** 11(1):178–85, 1976 (Eng. Abstr.) **(Ger)**
[Clinical trial od Di–n–propylacetate in epileptics with therapy–resistant absences] Lüdemann G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(2):101–7, Feb 75 (Eng. Abstr.) **(Ger)**
[Trial of a new antiepileptic drug, magnesium dipropyl acetate] de Pasquet EG, et al. **Acta Neurol Lat Am** 19(1–4):119–28, 1973 (Eng. Abstr.) **(Spa)**
[Difluocortolone valerate in various dermatosis] Arellano FO. **Alergia** 23(3):129–37, Jul 76 (Eng. Abstr.) **(Spa)**
[Contralateral comparison between diflucortolone valeriate and flumethasone pivalate in ointments. Double–blind study] Macotela Ruiz E, et al. **Prensa Med Mex** 41(3–4):128–32, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

URINE

Organic aciduria. Treatable cause of floppy infant syndrome. Keeton BR. **Arch Dis Child** 51(8):636–8, Aug 76
[The metabolism of dipropylacetic acid dipropylacetamide. I. Identification and analysis in the urine by gas phase chromatography] Pfaff MC, et al. **Ann Pharm Fr** 33(6–7):355–63, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

VALERIAN

[Behavior disorders in childhood and their therapy] Klich R. **Med Welt** 26(25):1251–4, 20 Jun 75 **(Ger)**
[Valepotriates in the aerial parts of some more valerianaceae species (author's transl)] Funke ED, et al. **Planta Med** 28(3):215–24, Nov 75 (Eng. Abstr.) **(Ger)**
[Fatty oil of Althea officinalis, stoloniferous valerian and golden wallflower] Mishina AS, et al. **Farm Zh** (5):92–3, Sep–Oct 75 **(Ukr)**

ANALYSIS

To the pharmacology of iridoids. Petkov V, et al. **Agressologie** 16 Spec No B:25–30, 1975

CLASSIFICATION

[The role of chemical races, sources, cultivars and species for the in vivo preparation of radioactive labelled natural compounds, described von Valeriana (author's transl)] Hölzl J. **Planta Med** 28(3):300–14, Nov 75 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

New methods in the cultivation of Valeriana officinalis. Czabajska W, et al. **Planta Med** 30(1):9–13, Aug 76

VALETHAMATE COMPOUNDS see under **AMMONIUM COMPOUNDS**

VALINE

Proceedings: The primary structure of tRNA2Val from Bacillus stearothermophilus and its analogy with tRNAVal species from different origins. Takada–Guerrier C, et al. **Arch Int Physiol Biochim** 84(1):187–8, Feb 76
Chromatic models. Interactions between DNA and polypeptides containing L–lysine L–valine: circular dichroism and thermal denaturation studies. Mandel R, et al. **Biochemistry** 15(14):3122–30, 13 Jul 76
Role of valyl–tRNA in the regulation of the biosynthesis of valyl–, isoleucyl–, and leucyl–tRNA synthetases in yeast. Ehresmann B, et al. **Biochimie** 56(10):1341–5, 1974
Letter: Specific heat thermal variations of L–valine and poly(L–valine). Daurel M, et al. **Biopolymers** 15(2):415–8,

Feb 76

Poly(L-valine). Conformational dependence on the degree of polymerization: infrared studies. Ito K, et al. **Biopolymers** 14(8):1755–67, Aug 75

The beta conformation of polypeptides of valine, isoleucine, and threonine in solution and solid-state: optical and infrared studies. Kubota S, et al. **Biopolymers** 14(3):605–31, Mar 75

The random coil leads to beta transition of copolymers of L-lysine and L-valine: potentiometric titration and circular dichroism studies. Mandel R, et al. **Biopolymers** 14(8):1633–49, Aug 75

ANALOGS & DERIVATIVES

Effect of modification on physicochemical and biological properties of haptoglobin. VI. Reaction with azlactone of p-nitrobenzoyl-valine. Osada J, et al. **Biochim Biophys Acta** 412(2):306–16, 15 Dec 75

L-Norvaline and L-homoisoleucine formation by Serratia marcescens, Kisumi M, et al. **J Biochem (Tokyo)** 79(5):1021–8, May 76

Fate of MS2 proteins synthesized in Escherichia coli exposed to amino acid analogues. Prouty WF. **J Urol** 16(4):1090–3, Oct 75

Photolysis of N-methyl and N-acetyl substituted amino acids. Schnepel GH, et al. **Radiat Environ Biophys** 13(1):49–56, 30 Mar 76

ANALYSIS

Isotope distribution of L-valine-2,3-T. Adriaens P, et al. **Anal Biochem** 69(1):297–9, Nov 75

Interaction between asymmetric solutes and solvents. Diamides derived from L-valine as stationary phases in gas-liquid partition chromatography. Beitler U, et al. **J Chromatogr** 123(1):149–66, 21 Jul 76

BIOSYNTHESIS

The effect of medium composition on the production of valine by Corynebacterium 9366 - EMS/184. Plachý J. **Folia Microbiol (Praha)** 20(4):346–50, 1975

Genetic hybridization of the leu-ilv region in bacilli. Biswas GD, et al. **J Gen Microbiol** 92(2):398–404, Feb 76

Effect of different environmental factors on valine production by Aerobacter aerogenes. Mukhopadhyay AK, et al. **Zentralbl Bakteriol [Naturwiss]** 130(1):15–6, 1975

BLOOD

Hypervalinemia: a family's reaction, a nursing challenge. Benfield RM, et al. **Nurs Forum** 14(2):130–44, 1975

DEFICIENCY

Effects of excess intake of leucine and valine deficiency on tryptophan and niacin metabolites in humans. Nakagawa I, et al. **J Nutr** 105(10):1241–52, Oct 75

DIAGNOSTIC USE

Studies on the valine sensitivity in non-ketotic hyperglycinemia. de Groot CJ, et al. **Helv Paediatr Acta** 30(3):247–54, Oct 75

METABOLISM

Incorporation of double-labeled L-cystine and DL-valine in penicillin. Adriaens P, et al. **Antimicrob Agents Chemother** 8(1):15–7, Jul 75

Branched-chain amino acid catabolism in bacteria. Massey LK, et al. **Bacteriol Rev** 40(1):42–54, Mar 76 (73 ref.)

Amino acid requirements of the young turkey: leucine, isoleucine and valine. D'Mello JP. **Br Poult Sci** 16(6):607–15, Nov 75

Axonal transport in the efferent pathways of the hippocampus: labeling of projection areas after (3H)valine injections. Olpe HR, et al. **Brain Res** 105(3):483–95, 9 Apr 76

Isoleucyl-tRNA synthetase from baker's yeast: the 3'-hydroxyl group of the 3'-terminal ribose is essential for preventing misacylation of tRNAIle-C-C-A with misactivated valine. von der Haar F, et al. **FEBS Lett** 56(2):215–7, 15 Aug 75

Regulation of branched-chain amino acid transport in Escherichia coli. Quay SC, et al. **J Bacteriol** 127(3):1225–38, Sep 76

Transport of sugars and amino acids in bacteria. XVI. Theory and evaluation of a model for the membrane transport reaction mediated by a single carrier with three binding sites for substrate. Awazu S, et al. **J Biochem (Tokyo)** 78(5):1047–56, Nov 75

Relationship of the pool of intracellular valine to protein synthesis and degradation in cultured cells. Hod Y, et al. **J Biol Chem** 251(14):4458–7, 25 Jul 76

Assessment of protein turnover in perfused rat liver. Evidence for amino acid compartmentation from differential labeling of free and tRNA-bound valine. Khairallah EA, et al. **J Biol Chem** 251(5):1375–84, 10 Mar 76

The phi80 lambdadilv phage and its use to detect messenger RNA related to isoleucine-valine metabolism. Schiavo FL, et al. **J Mol Biol** 99(3):353–68, 15 Dec 75

Transcriptional control of the isoleucine-valine messenger RNA's in E. coli K-12. Childs GJ, et al. **Mol Gen Genet** 138(3):257–68, 19 Jun 75

Expression of a valine-resistant acetolactate synthase activity mediated by the ilv O and ilv G genes of Escherichia coli K-12. Favre R, et al. **Mol Gen Genet** 143(3):243–52, 2 Feb 76

[13C]Valine metabolism in methylmalonicacidemia using nuclear magnetic resonance: propinonate as an obligate intermediate. Tanaka K, et al. **Proc Natl Acad Sci USA** 72(9):3692–6, Sep 75

The metabolism of [U-14C]valine in adult rats given high- or low-protein diets. Neale RJ. **Proc Nutr Soc** 34(2):43A–44A, Sep 75

[L-valine transport by the actinomycete Actinomyces species 26–115, the producer of actinomycin C] Alekhova TA, et al. **Antibiotiki** 21(4):301–4, Apr 76 (Eng. Abstr.) **(Rus)**

[Relation of acetoin and valine in Enterobacteriaceae cultures on media with glucose and glycerin] Kazanskaia TB, et al. **Mikrobiologiia** 44(2):245–7, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Disorders of leucine, isoleucine and valine metabolism (maple syrup urine disease)] Vulović D, et al. **Srp Arh Celok Lek** 103(5):419–36, May 75 (Eng. Abstr.) **(Ser)**

PHARMACODYNAMICS

Influence of valine deprivation and its reversal on fatty acid metabolism in HeLa cells. Slayback JR, et al. **Biochim Biophys Acta** 431(2):217–24, 27 May 76

Effect of valine on the control of fatty acid synthesis in white adipose tissue of the rat. Taylor WM, et al. **Can J Biochem** 53(10):1054–60, Oct 75

Interaction of diet and drugs in the regulation of brain 5-hydroxyindoles and the response to painful electric shock. Messing RB, et al. **Life Sci** 18(7):707–14, 1 Apr 76

RADIATION EFFECTS

The energy dependence of electron radiation damage in l-valine. Howitt DG, et al. **J Ultrastruct Res** 55(3):457–61, Jun 76

VALINOMYCIN

The kinetic and equilibrium components of selective ionic permeability mediated by nactin- and valinomycin-type carriers having systematically varied degrees of methylation. Eisenman G, et al. **Ann NY Acad Sci** 264:34–60, 30 Dec 75

Conformation and molecular mechanisms of carriers and channels. Urry DW, et al. **Ann NY Acad Sci** 264:203–20, 30 Dec 75

Mechanism of the intramolecular 1H nuclear Overhauser effect in peptides and depsipeptides. Pitner TP, et al. **Biochem Biophys Res Commun** 70(3):746–51, 7 Jun 76

Stacking of safranine in liposomes during valinomycin-induced efflux of potassium ions. Akerman KE, et al. **Biochim Biophys Acta** 426(4):624–9, 5 Apr 76

Blocking of valinomycin-mediated bilayer membrane conductance by substituted benzimidazoles. Kuo KH, et al. **Biophys J** 16(2 Pt 1):143–50, Feb 76

The crystal structure of a K+ complex of valinomycin. Neupert-Laves K, et al. **Helv Chim Acta** 58(2):432–42, 12 Mar 75

The crystal and molecular structure of the triclinic and monoclinic forms of valinomycin, C54H90N6O18. Smith GD, et al. **J Am Chem Soc** 97(25):7242–7, 10 Dec 75

Modification of valinomycin-mediated bilayer membrane conductance by 4,5,6,7-tetrachloro-2-methylbenzimidazole. Kuo KH, et al. **J Membr Biol** 26(4):385–403, May 76

Pigment containing lipid vesicles. II. Interaction of valinomycin with lecithin as sensed by chlorophyll a. Walz D. **J Membr Biol** 27(1–2):55–81, 9 Jun 76

The kinetics of carrier-mediated ion permeation in lipid bilayers and its theoretical interpreatation. Laprade R, et al. **Membranes** 3:127–214, 1975 (24 ref.)

[Potassium-selective disc electrode with valinomycin for flow-through measurements (author's transl)] Schindler JG, et al. **Biomed Tech (Berlin)** 21(05):135–7, Jun 76 (Eng. Abstr.) **(Ger)**

[Letter: Anionic conductivity of liquid membranes in the presence of valinomycin] Golubev VN, et al. **Biofizika** 20(4):738–9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Conformational studies of peptide cyclo-(D-Val-L-Pro-L-Val-D-Pro]3, a cation-binding analogue of valinomycin. Davis DG, et al. **Biochemistry** 15(4):768–74, 24 Feb 76

Effects of peptide PV and related compounds on the ionic permeability of lipid bilayer membranes. pp. 157–66. Tosteson DC. **In: Gárdos G, Szász I, ed. Biomembranes: structure and function. Amsterdam, North-Holland, 1975. W3 FE322 9th 1974 v.35.**

BIOSYNTHESIS

[Actinomyces cyaneofuscatus, producer of valinomycin. A study of its pigements and antibiotics] Koloditskaia AT, et al. **Izv Akad Nauk SSSR [Biol]** (5):694–700, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Kinetic analysis of carrier-mediated ion transport by the charge-pulse technique. Benz R, et al. **J Membr Biol** 27(1–2):171–91, 9 Jun 76

PHARMACODYNAMICS

The influence of gramicidin A and valinomycin of the permeability of mammalian erythrocytes. Bielawski J, et al. **Acta Biochim Pol** 22(4):269–78, 1975

Action of propranolol on mitochondrial functions—effects on energized ion fluxes in the presence of valinomycin. Järvisalo J, et al. **Biochem Pharmacol** 24(18):1701–5, 15 Sep 75

An extended kinetic analysis of valinomycin-induced Rb-transport through monoglyceride membranes. Knoll W, et al. **J Membr Biol** 25(3–4):249–70, 1975–76

Direct measurement of the membrane potential of Ehrlich ascites tumor cells: lack of effect of valinomycin and ouabain. Smith TC, et al. **J Membr Biol** 23(3–4):349–65, 1975

Interaction between membrane properties and proteins synthesis in reticulocytes – a two step inhibition of protein synthesis by valinomycin. Breitbart H, et al. **Mol Biol Rep** 2(2):167–73, Jul 75

The stimulation of cathecholamine release from chromaffin granules by valinomycin. Dolais-Kitabgi J, et al. **Mol Pharmacol** 11(6):745–50, Nov 75

Increase of potassium flux by valinomycin in embryonic chick heart. Carmeliet EE, et al. **Pfluegers Arch** 358(3):243–57, 28 Jul 75

Valinomycin inhibition of the inward slow current of cardiac muscle. Schneider JA, et al. **Recent Adv Stud Cardiac Struct Metab** 9:33–52, 1976

[Action of valinomycin in vivo on Ehrlich ascites tumor cells. A change in the ultrastructure of the tumor cells under the influence of valinomycin] Manteifel' VM, et al. **Antibiotiki** (9):834–8, Sep 75 (Eng. Abstr.) **(Rus)**

[In vivo action of valinomycin on Ehrlich ascites tumor cells. Inhibition of the proliferative activity of the tumor cells under the action of valinomycin] Sorokina IB, et al. **Antibiotiki** 20(8):701–5, Aug 75 (Eng. Abstr.) **(Rus)**

VALSALVA'S MANEUVER

Paradoxic response of the murmur of idiopathic hypertrophic subaortic stenosis to the Valsalva maneuver. Stefadouros MA, et al. **Am J Cardiol** 37(1):89–92, Jan 76

Interaction between cardiovascular responses to sustained handgrip and Valsalva manoeuvre. Ewing DJ, et al. **Br Heart J** 38(5):483–90, May 76

The effect of hyperinflation of the lungs on the pulmonary circulation. pp. 550–2. Jebson PJ, et al. **In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.**

Valsalva manoeuver and Harvard step test with reference to body parameters in females. Bisen VS, et al. **Indian J Med Sci** 29(4–5):112–5, Apr–May 75

Reflex and mechanical circulatory effects of graded Valsalva maneuvers in normal man. Korner PI, et al. **J Appl Physiol** 40(3):434–40, Mar 76

Baroreflex sensitivity and responses to the Valsalva manoeuvre in subjects with diabetes mellitus. Bennett T, et al. **J Neurol Neurosurg Psychiatry** 39(2):178–83, Feb 76

Pneumomediastinum in heroin and marijuana users. Mattox KL. **JACEP** 5(1):26–8, Jan 76

The heart rate response to the Valsalva manoeuvre. Valentinuzzi ME, et al. **Med Biol Eng** 12(6):817–22, Nov 74

Spurious complete obstruction of the inferior vena cava in an adult as a result of the Valsalva maneuver. Sos TA, et al. **Radiology** 119(2):280, May 76

[Study of circulatory reflex during anesthesia by Valsalva's maneuver — heart surgery] Maruyama K, et al. **Jpn J Anesthesiol** 24(6):538–44, Jun 75 (Eng. Abstr.) **(Jpn)**

[Mathematical description of extreme variation of heart rate provoked by Valsalva's maneuver as a function of intra-alveolar pressure in normal adults] Reyes AJ, et al. **Rev Esp Cardiol** 29(1):9–18, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

VALYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

VAN BOGAERT'S LEUKOENCEPHALITIS see under **SUBACUTE SCLEROSING PANENCEPHALITIS**

VANADIUM

Vanadium ion inhibition of alkaline phosphatase-catalyzed phosphate ester hydrolysis. Lopez V, et al. **Arch Biochem Biophys** 175(1):31–8, Jul 76

ANALYSIS

Analytical guide: vanadium pentoxide. **Am Ind Hyg Assoc J** 36(9):711–2, Sep 75

Atomic-absorption determination of vanadium and molybdenum in tap water and mineral waters after anion-exchange separation. Korkisch J, et al. **Anal Chim Acta** 83(1):111–8, May 76

BLOOD

[Content of zinc, vanadium, and iron in the whole blood and their balance in arteriosclerosis and hypertensive disease] Babadzhanov SN. **Kardiologiia** 15(6):133–4, Jun 75

(Rus)

METABOLISM

Nonequivalence of the metal binding sites in vanadyl-labeled human serum transferrin. Cannon JC, et al. **Biochemistry** 14(21):4573–7, 21 Oct 75

Vanadium compounds and ferrocyanide as ionic redox agents in photosynthesis. Rosen D, et al. **Biochim Biophys Acta** 408(1):35–46, 10 Oct 75

PHARMACODYNAMICS

Vanadate inhibition of mitochondrial succinate dehydrogenase and dicarboxylate carrier. Velours J, et al. **Biochimie** 57(8):975–8, 1975

The effect of dietary vanadium on fatty acid and cholesterol synthesis and turnover in the chick. Hafez Y, et al. **J Nutr** 106(2):249–57, Feb 76

The effect of pharmacological levels of dietary vanadium on the egg production, shell thickness and egg yolk cholesterol in laying hens and coturnix. Hafez YS, et al. **Poult Sci** 55(3):923–6, May 76

TOXICITY

The effect of diet on the toxicity of vanadium. Hafez YS, et al. **Poult Sci** 55(3):918–22, May 76

VANCOMYCIN

Vancomycin. Abou-Zeid AA, et al. **Pharmazie** 30(8):493–7, Aug 75 (199 ref.)

Vancomycin. Abou-Zeid AZ, et al. **Zentralbl Bakteriol [Naturwiss]** 131(1):1–39, 1976

ADMINISTRATION & DOSAGE

Intravitreal injection of vancomycin in experimental staphylococcal endophthalmitis. Homer P, et al. **Acta Ophthalmol (Kbh)** 53(3):311–20, Jun 75

ANALYSIS

Structural studies on the antibiotic vancomycin: Evidence for the presence of modified phenylglycine and beta-hydroxytyrosine units. Smith GA, et al. **J Chem Soc [Perkin I]** (21):2108–15, 1975

PHARMACODYNAMICS

The induction of mutants of Acinetobacter calcoaceticus NCIB8250 and their selection by vancomycin. Ahlquist EF, et al. **J Gen Microbiol** 91(2):338–44, Dec 75

The induction of mutants of Acinetobacter calcoaceticus NCIB8250 and their selection by Vancomycin. Ahlquist EF, et al. **J Gen Microbiol** 91(2):338–44, Dec 75

Effects of vancomycin on platelets, plasma proteins and hepatitis B surface antigen. Coller BS, et al. **Thromb Diath Haemorrh** 34(1):83–93, 30 Sep 75

THERAPEUTIC USE

Letter: Bacterial endocarditis in IHSS. Katholi RE, et al. **Am Heart J** 91(1):131–2, Jan 76

Treatment of infected tooth pulps with vancomycin and hyaluronidase. Eggers ES, et al. **J Dent Child** 43(4):250–2, Jul–Aug 76

Failure of vancomycin treatment in Staphylococcus aureus endocarditis. In vivo and in vitro observations. Gopal V, et al. **JAMA** 236(14):1604–6, 4 Oct 76

Intraoperative antibiotics in the prevention of experimental dacron graft infection. Parsa F, et al. **Vasc Surg** 10(2):64–71, Mar–Apr 76

VANILLIC ACID see under **HYDROXYBENZOIC ACIDS**

VANILLIN

Chemienergized aromatic aldehydes from the peroxidase catalyzed oxidation of pyruvates: excited vanillin from vanylpyruvate. Zinner K, et al. **Arch Biochem Biophys** 173(1):58–65, Mar 76

Specificity of the vanillin test for flavanols. Sarkar SK, et al. **J Agric Food Chem** 24(2):317–20, Mar–Apr 76

A color reaction of panaxadiol with vanillin and sulfuric acid. Hiai S, et al. **Planta Med** 28(2):131–8, Oct 75

Color reaction of some sapogenins and saponins with vanillin and sulfuric acid. Hiai S, et al. **Planta Med** 29(2):116–22, Mar 76

DIAGNOSTIC USE

Vanillin–hydrochloric acid as a histochemical test for tannin. Gardner RO. **Stain Technol** 50(5):315–7, Sep 75

VANILMANDELIC ACID

ANALYSIS

Determination of vanilmandelic acid in pig urine and chicken feces by gas–liquid chromatography. Lun A, et al. **Anal Biochem** 73(2):267–73, Jun 76

Vanilmandelic acid (VMA), free and conjugated 3-methoxy-4-hydroxyphenylglycol (MHPG) in human ventricular fluid. Karoum F, et al. **Clin Chim Acta** 62(3):451–5, 4 Aug 75

CEREBROSPINAL FLUID

Central noradrenergic function in man: vanillylmandelic acid in CSF. Jimerson DC, et al. **Brain Res** 99(2):434–9, 5 Dec 75

Origins of catecholamine metabolites in monkey cerebrospinal fluid. Gordon E, et al. **J Neurochem** 25(3):347–9, Sep 75

Concentration gradients of monoamine metabolites in human cerebrospinal fluid. Sjöström R, et al. **J Neurol Neurosurg Psychiatry** 38(7):666–8, Jul 75

The effect of probenecid on catecholamine metabolites in human cerebrospinal fluid analyzed by mass fragmentography. Gordon EK, et al. **Life Sci** 16(10):1527–31, 15 May 75

DIAGNOSTIC USE

Screening procedures for neuroblastoma: false-negative results. Johnsonbaugh RE, et al. **Pediatrics** 56(2):267–70, Aug 75

METABOLISM

Distribution and turnover rate of vanillylmandelic acid and 3-methoxy-4-hydroxyphenylglycol in rat brain. Karoum F, et al. **J Neurochem** 27(1):33–5, Jul 76

PHARMACODYNAMICS

Central action of 3-methoxy-4-hydroxymandelic acid in rats. Kleinrok Z, et al. **Acta Physiol Pol** 26(5):481–91, Sep–Oct 75

URINE

Excretion of metabolites of biogenic amines in patients with irradiated brain tumours. Perićić D, et al. **Acta Radiol [Ther] (Stockh)** 15(1):81–90, Feb 76

Changes in evolution of free epinephrine, norepinephrine, and vanillylmandelic acid in the urine of rabbits during late pregnancy and parturition. Parvez S, et al. **Am J Obstet Gynecol** 124(3):222–8, 1 Feb 76

Clinical significance of catecholamine excretion levels in diagnosis and treatment of neuroblastoma. Bond JV. **Arch Dis Child** 50(9):691–5, Sep 75

Studies on tyrosine hydroxylase in neuroblastoma in relation to urinary levels of catecholamine metabolites. Imashuku S, et al. **Cancer** 36(2):450–7, Aug 75

Letter: Determination of vanilmandelic acid and homovanillic acid in urine by gas chromatography. Yoshiue S, et al. **Chem Pharm Bull (Tokyo)** 23(11):3040–1, Nov 75

Simultaneous quantitation of 4-hydroxy-3-methoxymandelic (vanilmandelic) and 4-hydroxy-3-methoxyphenylacetic (homovanillic) acids in human urine. Addanki A, et al. **Clin Chem** 22(3):310–4, Mar 76

A simple chromatographic procedure for the concurrent estimation of urinary 4-hydroxy-3-methoxymandelic acid (HMMA) and homovanillic acid (HVA) using a scanning technique. Stott AW, et al. **Clin Chim Acta** 63(1):7–12, 18 Aug 75

Seasonal variation of urinary excretion of total metanephrines. Yamamoto T, et al. **Clin Chim Acta** 68(3):241–4, 3 May 76

Determination of vanilmandelic acid and homovanillic acid in urine by highspeed liquid chromatography. Yoshida A, et al. **J Chromatogr** 116(1):240–3, 7 Jan 76

Effect of horn flies on vanilmandelic acid excretion of dairy cattle. Savio TJ, et al. **J Dairy Sci** 59(2):318–20, Feb 76

Urinary vanyl mandelic acid (VMA) in tetanus. Ghanem MH, et al. **J Egypt Med Assoc** 58(1–2):64–7, 1975

Letter: Cost of diagnosis of phaeochromocytoma. Phillips PJ, et al. **Med J Aust** 2(10):406–7, 6 Sep 75

Determation of 4-hydroxy-3-methoxymandelic acid (HMMA) in urine. Richards DA. **Med Lab Sci** 33(2):155–60, Apr 76

Letter: Reliable chemical diagnosis of neuroblastoma better than screening. Bray PF, et al. **N Engl J Med** 295(4):230–1, 22 Jul 76

Free adrenaline, noradrenaline and vanilylmandelic acid excretion with 24-hour urine in patients with chronic circulatory failure. Woyda J. **Pol Med Sci Hist Bull** 15(4):425–30, Jul–Aug 75

Urinary excretion of the sulphate and glucuronide of 3-methoxy-4-hydroxyphenylethyleneglycol in a manic-depressive patient. Bond PA, et al. **Psychol Med** 5(3):279–85, Aug 75

Lead poisoning: altered urinary catecholamine metabolites as indicators of intoxication in mice and children. Silbergeld EK, et al. **Science** 192(4235):153–5, 9 Apr 76

[Excretion of dopamine, noradrenaline, adrenaline, vanilmandelic acid and 5-hydroxyindoleacetic acid in the urine of volunteers treated with adepren] Tiutiulkova NI, et al. **Eksp Med Morfol** 17(4):187–9, 1975 (Eng. Abstr.) (Bul)

[Excretion of some metabolites of catecholamine, serotonin and steroid hormones following neurosensory loading] Gutoranov G. **Vutr Boles** 14(1):40–4, 1975 (Eng. Abstr.) (Bul)

[Routine gas chromatographic analysis of metanephrine/normetanephrine, 3-methoxy-4-hydroxyphenylglycol and vanilmandelic acid in urine as TMS-vanillin or -vanillyl alcohol] Schwedt G, et al. **Clin Chim Acta** 65(3):309–18, 15 Dec 75 (Ger)

[Diurnal variation in the urinary excretion of vanilmandelic acid and aldosterone in normal and hypertensive persons (author's transl)] Deck KA, et al. **Klin Wochenschr** 54(3):131–5, 1 Feb 76 (Ger)

[Hemodynamics in hypertension and excretion of adrenergic substances] Pirrelli A. **Boll Soc Ital Cardiol** 18(6):565–9, 1973 (Ita)

[Urinary excretion of some metabolites of serotonin and catecholamines after cigarette smoking in subjects having stopped the habit] Trojnar R. **Pol Tyg Lek** 31(13):521–4, 29 Mar 76 (Eng. Abstr.) (Pol)

[Urinary excretion of vanilmandelic acid in acute myocardial infarct] Detsik IuI, et al. **Vrach Delo** (10):35–8, Oct 75 (Eng. Abstr.) (Rus)

[Determination of vanilmandelic acid (VMA) in healthy persons and patients with pheochromocytoma] Stavrić-Hrisoho R. **God Zb Med Fak Skopje** 17:453–9, 1971 (Ser)

VAPORIZATION see **VOLATILIZATION**

VARIATION (GENETICS)

Variation in the chaetotaxy and denticulation of Sarcoptes scabiei (Acarina: Sarcoptidae) from wild canids. Pence DB, et al. **Acarologia** 17(1):160–5, Jul 75

On some theoretical studies on gene differentiation in natural populations. Chakraborty R. **Acta Genet Med Gemellol (Roma)** 24(1–2):111–7, 1975

Genetic variation of drug-metabolizing enzymes in the wistar rat. Marselos M. **Acta Pharmacol Toxicol (Kbh)** 39(2):186–97, Aug 76

Selection for plaque variants of two California group arboviruses (Jamestown canyon and La Crosse) by passage in natural vertebrate hosts. Issel CJ, et al. **Acta Virol (Praha)** 19(4):318–26, Jul 75

P-Nitrocatechol sulfate for arylsulfatase assay: detection of metachromatic leukodystrophy variants. Dubois G, et al. **Adv Exp Med Biol** 68:233–7, 1976

Letters to the editor: Statistical analysis of genetic variance in twins. Christian JC, et al. **Am J Hum Genet** 27(6):807, Nov 75

Variance of plasma free and esterified cholesterol in adult twins. Christian JC, et al. **Am J Hum Genet** 28(2):174–8, Mar 76

Alpha 1 antitrypsin M1: a new common genetically determined variant. Kueppers F. **Am J Hum Genet** 28(4):370–7, Jul 76

Letter: Note on the analysis of twin data. Nance WE. **Am J Hum Genet** 28(3):297–9, May 76

Letter: Genetic heterogeneity recognized by Waardenburgh in 1935. Passarge E. **Am J Hum Genet** 28(3):300–1, May 76

The anthropological value of minor variants of the dental crown. Berry AC. **Am J Phys Anthropol** 45(2):257–68, Sep 76

The genetics of shovel shape in maxillary central incisors in man. Blanco R, et al. **Am J Phys Anthropol** 44(2):233–6, Mar 76

The effect of size variation on univariate assessments of morphological difference in human crania. Hardy VC, et al. **Am J Phys Anthropol** 44(1):79–82, Jan 76

alpha-1 Antitrypsin phenotypes determined by isoelectric focusing of the cysteine-antitrypsin mixed disulfide in serum. Pierce JA, et al. **Anal Biochem** 74(1):227–41, Jul 76

Allozymic variation as an estimate of heterozygosity in Belgian pig breeds. Widar J, et al. **Anim Blood Groups Biochem Genet** 6(4):221–34, 1975

On variation, inheritance and chemical interrelationships of monoterpenes in scots pine (Pinus silvestris L.). Hiltunen R. **Ann Acad Sci Fenn [Biol]** (208):1–54, 1976

Correlated odour threshold bimodality of two out of three synthetic musks. Kalmus H, et al. **Ann Hum Genet** 38(4):495–9, May 75

Allotypes of the a series and their variants in rabbit immunoglobulins. Brézin C, et al. **Ann Immunol (Paris)** 127(3–4):333–46, Jun–Jul 76 (35 ref.)

The biological origin of antibody diversity. Williamson AR. **Annu Rev Biochem** 45:467–500, 1976 (195 ref.)

Principal component analysis of infraspecific variation in bacteria. Darland G. **Appl Microbiol** 30(2):282–9, Aug 75

Vaccinia virus variants as presumable cause of vaccinial complications. Ehrengut W, et al. **Arch Virol** 48(3):229–38, 1975

Inheritance of some sweat gland and hair follicle characteristics in cattle. Jenkinson DM, et al. **Aust J Biol Sci** 28(4):417–24, Aug 75

Studies on metatherian sex chromosomes. I. Inheritance and inactivation of sex-linked allelic genes determining glucose-6-phosphate dehydrogenase variation in kangaroos. Johnston PG, et al. **Aust J Biol Sci** 28(5–6):567–74, Dec 75

Species variability of N-terminal sequence of avian erythrocyte-specific histone H5. Seligy V, et al. **Biochem Biophys Res Commun** 71(1):196–202, 12 Jul 76

Polypeptide composition of fraction I protein from Nicotiana glauca and from cultivars of Nicotiana tabacum, including a male sterile line. Chen K, et al. **Biochem Genet** 13(11–12):771–8, Dec 75

A simple method for the quantitation of isozyme patterns. Klebe RJ. **Biochem Genet** 13(11–12):805–12, Dec 75

Genetics of esterases in Drosophila. IV. Slow-migrating S-esterase in Drosophila of the virilis group. Korochkin LI, et al. **Biochem Genet** 14(1–2):161–82, Feb 76

Evidence for the adaptive significance of enzyme activity levels: interspecific variation in alpha-GPDH and ADH

in Drosophila. McDonald JF, et al. **Biochem Genet** 14(3–4):347–55, Apr 76

Genetic and developmental variation of hemoglobin in the deermouse, Peromyscus maniculatus. Maybank KM, et al. **Biochem Genet** 14(3–4):389–400, Apr 76

Further evidence of thermostability variation within electrophoretic mobility classes of enzymes. Milkman R. **Biochem Genet** 14(3–4):383–7, Apr 76

Alcohol dehydrogenase of Biomphalaria glabrata (Molusca: Pulmonata): polymorphism, genetic analysis, and interspecific variations. Narang S, et al. **Biochem Genet** 14(1–2):75–86, Feb 76

Structural differences between albumin A and albumin C of the house mouse, Mus musculus. Petras ML, et al. **Biochem Genet** 14(1–2):67–73, Feb 76

Genetic control and intracellular localization of glutamate oxaloacetic transaminase in maize. Scandalios JG, et al. **Biochem Genet** 13(11–12):759–69, Dec 75

Strain distribution and linkage relationship of a mouse embryonic hemoglobin variant. Stern RH, et al. **Biochem Genet** 14(3–4):373–81, Apr 76

Study of a family with Los Angeles, Duarte, and classical galactosemia variants of galactose-1-phosphate uridyl transferase. Applegarth DA, et al. **Biochem Med** 15(2):206–11, Apr 76

The phenylalanine hydroxylating system in phenylketonuria and its variants. Kaufman S. **Biochem Med** 15(1):42–54, Feb 76

Studies on variant glucose-6-phosphate dehydrogenases: G6PD Fort Worth. Mills GC, et al. **Biochem Med** 13(3):264–75, Jul 75

Hemoglobin Athens-Georgia, or alpha 2 beta 2 40(C6)Arg replaced by Lys, a hemoglobin variant with an increased oxygen affinity. Brown WJ, et al. **Biochim Biophys Acta** 439(1):70–6, 19 Jul 76

Differences in subunit activities in acetylcholinesterase as possible cause for apparent deviation from normal Michaelis-Menten kinetics. Gentinetta R, et al. **Biochim Biophys Acta** 438(2):437–48, 8 Jul 76

Hb-Volga or alpha 2 beta 2 27(B9)Ala replaced by Asp. An unstable hemoglobin variant in three generations of a Dutch family. Kuis-Reerink JD, et al. **Biochim Biophys Acta** 439(1):63–9, 19 Jul 76

Hemoglobin Hirosaki (alpha 43 [CE 1] Phe replaced by Leu), a new unstable variant. Oba Y, et al. **Biochim Biophys Acta** 405(1):155–60, 9 Sep 75

A new haemoglobin variant: haemoglobin Anantharaj alpha 11 (A9) lysine replaced by glutamic acid. Pootrakul S, et al. **Biochim Biophys Acta** 405(1):161–6, 9 Sep 75

The forms, uses and significance of genetic variation in endocrine systems. Shire JG. **Biol Rev** 51(1):105–41, Feb 76 (285 ref.)

Design of experiments to estimate heritability when observations are available on parents and offspring. Thompson R. **Biometrics** 32(2):283–304, JUN 76

Chromosomal variation in man: catalog of chromosomal variants and anomalies. Borgaonkar DS, et al. **Birth Defects** 11(3):82–4, 1975

Biological variation in the heterogeneous distribution of haemoglobin F among erythrocytes. Bhattacharya SP, et al. **Br J Haematol** 33(3):401–8, Jul 76

G6PD hillbrow: a new variant of glucose-6-phosphate dehydrogenase associated with drug-induced haemolytic anaemia. Cayanis E, et al. **Br J Haematol** 30(3):343–50, Jul 75

Haemolytic anaemia due to glucose-6-phosphate dehydrogenase (G6PD) deficiency: demonstration of two new biochemical variants, G6PD Hamm and G6PD Tarsus. Gahr M, et al. **Br J Haematol** 33(3):363–70, Jul 76

Four new pyruvate kinase (PK) variants and a classical PK deficiency. Miwa S, et al. **Br J Haematol** 29(1):157–69, Jan 75

Globin chain synthesis in the greek type (A gamma) of hereditary persistence of fetal haemoglobin. Sofroniadou K, et al. **Br J Haematol** 29(1):137–48, Jan 75

Genetics of mental subnormality. Cowie V. **Br J Psychiatry** Spec No 9:361–4, 1975 (8 ref.)

Genetic variation and tooth development. Sofaer JA. **Br Med Bull** 31(2):107–10, May 75 (44 ref.)

Alpha-1-antitrypsin: molecular abnormality of S variant. **Br Med J** 1(6002):130–1, 17 Jan 76

Induction of avirulent variants in Erwinia stewartii by incubation at supraoptimal temperatures. Garibaldi A, et al. **Can J Microbiol** 21(8):1282–7, Aug 75

Induction of microbial variants of Pseudomonas pseudomallei in cultured rabbit alveolar macrophages. Kishimoto RA, et al. **Can J Microbiol** 21(12):2112–5, Dec 75

High frequency variation in mammary tumor virus expression in cell culture. Parks WP, et al. **Cell** 8(1):87–93, May 76

On the nature of hereditable variation in cultured somatic cells. Siminovitch L. **Cell** 7(1):1–11, Jan 76 (107 ref.)

Intraspecific karyotypic differentiation in the Australian phasmatid Didymuria violescens (Leach). I. The chromosome races and their structural and evolutionary relationships. Craddock EM. **Chromosoma** 53(1):1–24, 20 Nov 75

Chromosome markers in Mus musculus: differences in C-banding between the subspecies M.m. musculus and M.m. molossinus. Dev VG, et al. **Chromosoma** 53(4):335–44, 29 Dec 75

The human hemoglobin variants in Canada. Vella F. **Clin Biochem** 8(5):341–52, Oct 75

Glucose-phosphate isomerase deficiency due to a new variant (GP I Barcelona) and to a silent gene: biochemical, immunological and genetic studies. Kahn A, et al. **Clin Chim Acta** 66(2):145–55, 16 Jan 76

Human erythrocyte phosphoglycerate kinase deficiency: presence in a deficient patient of a stable variant with lowered catalytic activity. Kahn A, et al. **Clin Chim Acta** 69(1):21–8, 17 May 76

Isoelectric focussing of normal human erythrocyte pyruvate kinase (PK) and PK variants with abnormal electrophoretic patterns. Oda E, et al. **Clin Chim Acta** 68(2):93–8, 15 Apr 76

Genetic lipoprotein variation and lipid levels in man. Berg K, et al. **Clin Genet** 10(2NA-NA-760903-760909):97–103, Aug 76

Variation in the centromeric banding of chromosome 19. Crossen PE. **Clin Genet** 8(3):218–22, Sep 75

Cystinuria: a new genetic variant. Stephens AD, et al. **Clin Sci Mol Med** 51(1):27–32, Jul 76

Studies on the heterogeneity of mammalian beta-glucuronidases. Dean RT, et al. **Comp Biochem Physiol [B]** 54(1):107–10, 1976

Interspecific variation of phosphoglycerate kinase in Drosophila. Oelshlegel FJ Jr, et al. **Comp Biochem Physiol [B]** 52(3):433–5, 15 Nov 75

Chromosomal variation in man: catalog of chromosomal variants and anomalies. Borgaonkar DS, et al. **Cytogenet Cell Genet** 14(3–6):252–4, 1975

Different gene mutations in variants of GM1- and GM2-gangliosidosis demonstrated by enzyme analysis of (single) somatic hybrid cells. Galjaard H, et al. **Cytogenet Cell Genet** 14(3–6):320–6, 1975

Genetic variation in the development of mouse brain and behavior: evidence from the middle postnatal period. Wahlsten D. **Dev Psychobiol** 8(4):371–80, Jul 75

On genetically determined human serum cholinesterases. Das PK. **Enzyme** 21(3):253–74, 1976 (109 ref.)

Heterogeneity of human erythrocyte acetylcholinesterase. Individual variation revealed by DEAE-cellulose chromatography and polyacrylamide gel disc electrophoresis. Das PK, et al. **Enzyme** 21(4):304–16, 1976

Quantitation of contact-feeding between somatic cells in culture. Corsaro CM, et al. **Exp Cell Res** 95(1):39–46, 1 Oct 75

A non-transmissible variant of RP4 suitable as cloning vehicle for genetic engineering. Hedges RW, et al. **FEBS Lett** 61(2):186–8, 15 Jan 76

Affinity and hydrophobic chromatography of three variants of chloramphenicol acetyltransferases specified by R factors in Escherichia coli. Zaidenzaig Y, et al. **FEBS Lett** 62(3):266–71, 1 Mar 76

Chromosomal variations in the primate Alouatta seniculus seniculus. Yunis EJ, et al. **Folia Primatol (Basel)** 25(2-3):215–24, 1976

The maintenance of genetic variability by mutation in a polygenic character with linked loci. Lande R. **Genet Res** 26(3):221–35, Dec 75

Evolution of experimental 'mutator' populations of Drosophila melanogaster. Benado MB, et al. **Genetics** 82(1):43–52, Jan 76

Mutator factors and genetic variance components of viability in Drosophila melanogaster. Cardellino RA, et al. **Genetics** (3):567–83, Jul 75

Natural selection for within-generation variance in offspring number II. Discrite haploid models. Gillespie JH. **Genetics** 81(2):403–13, Oct 75

The study of genic variation by electrophoretic and heat denaturation techniques at the octanol dehydrogenase locus in members of the Drosophila virilis group. Singh RS, et al. **Genetics** (3):637–50, Jul 75

Population genetics of allozyme variation in Neurospora intermedia. Spieth PT. **Genetics** 80(4):785–805, Aug 75

Genes affecting productivity in natural populations of Drosophila melanogaster. Watanabe TK, et al. **Genetics** 80(4):807–10, Aug 75

Marginal overdominance in Drosophila. Wills C. **Genetics** 81(1):177–89, Sep 75

A computer model allowing maintenance of large amounts of genetic variability in Mendelian populations. II. The balance of forces between linkage and random assortment. Wills C, et al. **Genetics** 82(2):377–99, Feb 76

Genetics of human superoxide dismutase. Beckman G, et al. **Hereditas** 79(1):43–6, 1975

Population studies in northern Sweden. VII. Serum transferrin variants as markers of Finnish admixture. Beckman G, et al. **Hereditas** 81(1):63–8, 1975

Chromosomal variation in Agromyzidae (Diptera). V. Amauromyza (Trilobomyza) flavifrons--a polymorphic species. Block K. **Hereditas** 80(2):205–18, 1975

Karyotype variation in Allium bourgeaui. Bothmer RV. **Hereditas** 79(1):125–32, 1975

Flavonoid patterns and the phylogeny of barley. Fröst S, et al. **Hereditas** 79(1):133–42, 1975

Variation of flavonoid patterns in Hordeum spontaneum and H. agriocrithon. Fröst S, et al. **Hereditas** 80(2):167–72, 1975

Genetics of Zoarces populations. VIII. Geographic variation common to the polymorphic loci HbI and EstIII. Hjorth JP, et al. **Hereditas** 81(2):173–84, 1975

Genic variation in isolated marginal populations of the Roman snail, Helix pomatia L. Järvinen O, et al. **Hereditas** 82(1):101–9, 1976

A comparative electrophoretic study on Danish species of Aricia (Lepidoptera, Rhopalocera). Jelnes JE. **Hereditas** 79(1):61–6, 1975

Electrophoretic studies on two sibling species Thera variata and Thera obeliscata (Lepidoptera, Geometridae) with special reference to phosphoglucomutase and phosphoglucose isomerase. Jelnes JE. **Hereditas** 79(1):67–72, 1975

Low allozymic variability in Formica ants. Pamilo P, et al. **Hereditas** 80(2):293–6, 1975

Esterases of the snails Helix pomatia and Cepaea hortensis. Variation and characterization of different molecular forms. Tegelström H, et al. **Hereditas** 79(1):117–24, 1975

Genetical variation for enzyme activity in a population of Drosophila melanogaster. II. Aspects of the inheritance of alcohol dehydrogenase activity in Adhs/s flies. Barnes BW, et al. **Heredity (Lond)** 35(1):115–9, Aug 75

The effect of cultural transmission on continuous variation. Eaves L. **Heredity (Lond)** 37(1):41–57, Aug 76

Effect of gene dispersion on estimates of components of generation means and variances. Jayasekara NE, et al. . **Heredity (Lond)** 36(1):31–40, Feb 76

Estimating the number of genes in a polygenic system by genotype assay. Jinks JL, et al. **Heredity (Lond)** 37(1):69–81, Aug 76

A test of the influence of isoallelic variation upon a quantitative character. Thompson JN Jr. **Heredity (Lond)** 35(3):401–6, Dec 75

Population cytology of the genus Phaulacridium. IV. Phaulacridium marginale (Walker)--the North Island populations. Westerman M. **Heredity (Lond)** 35(2):165–72, Oct 75

Phenotypic selection in autopolyploids. Wright AJ. **Heredity (Lond)** 35(2):282–6, Oct 75

Phenotypic variation in ABO and Rh blood groups, PTC tasting ability, and lingual rotation among southern Peruvian Quchua indians. Garruto RM, et al. **Hum Biol** 47(3):193–9, Sep 75

A note on suxamethonium sensitivity and serum cholinesterase variants. Agarwal DP, et al. **Hum Genet** 32(1):85–8, 15 Apr 76

Mutant forms of erythrocyte glucose 6-phosphate dehydrogenase in Ashkenazi. Description of two new variants: G6PD Kirovograd and G6PD Zhitomir. Shatskaya TL, et al. **Hum Genet** 33(2):175–8, 27 Jul 76

Red cell glutamic-pyruvic transaminase polymorphism in a sample of the Italian population a new variant allele: GPT8. Benerecetti AS, et al. **Hum Hered** 25(4):276–8, 1975

Genetic distance analysis of twenty-two South American Indian populations. Blanco R, et al. **Hum Hered** 25(3):177–93, 1975

Superoxide dismutase variants in Newfoundland--a gene from Scandinavia? Carter ND, et al. **Hum Hered** 26(1):4–7, 1976

Genetic parameters of dermal patterns of ridge counts. Mi MP, et al. **Hum Hered** 25(4):249–57, 1975

Atypical serum cholinesterase in the Netherlands. Pronk JC. **Hum Hered** 26(2):128–30, 1976

Genetic analysis of dermatoglyphic patterns in twins. Reed T, et al. **Hum Hered** 25(4):263–75, 1975

Genetic variation in Nigeria. I. The genetics of phenylthiourea tasting ability. Scott-Emuakpor AB, et al. **Hum Hered** 25(5):360–9, 1975

The study of genetic variation in Nigeria. II. The genetics of polydactyly. Scott-Emuakpor AB, et al. **Hum Hered** 26(3):198–202, 1976

The allele Gcz in an Austrian family. Sorgo G. **Hum Hered** 25(4):305–8, 1975

Studies of haptoglobin and transferrin types in four castes of the Panjab, Northern India. Sunderland E, et al. **Hum Hered** 26(1):16–24, 1976

Plasma cholinesterase studies on south-eastern Bantu of Mozambique. Whittaker M, et al. **Hum Hered** 25(4):296–301, 1975

Further data on the incidence and segregation of genetically determined electrophoretic variants of human red cell NADH diaphorase. Williams L, et al. **Hum Hered** 25(3):161–71, 1975

Haptoglobin, transferrin and serum albumin variants in the Dayaks of Sarawak. Ganesan J, et al. **Humangenetik** 29(4):281–3, 7 Oct 75

Gd(--) Abrami: a deficient G-6PD variant with hemizygous expression in blood cells of a woman with primary myelofibrosis. Kahn A, et al. **Humangenetik** 30(1):41–6, 20 Oct 75

Genetic variations in primates. Red cell enzymes and serum proteins in Macaca mulatta. Seth S, et al. **Humangenetik** 29(4):341–8, 7 Oct 75

A new variant of glucosephosphate isomerase deficiency. Van Biervliet JP, et al. **Humangenetik** 30(1):35–40, 20 Oct 75

Sperm diversity within the species. pp. 319–27. Beatty RA. **In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.**

Gametic diversity within an ejaculate. pp. 329–39. Cohen J. **In: Afzelius BA, ed. The functional anatomy of the spermatozoon. New York, Pergamon Press, 1975. W3 WE429 v.23 1973.**

The primary structure of the variable domains of two homogeneous rabbit antibodies to type III pneumococcal polysaccharide. pp 33–49. Jaton JC, et al. **In: Gergely J, Medyesi GA, ed. Antibody structure and molecular immunology. Amsterdam, North-Holland, 1975. W3 FE322 9th v.36.**

Gene expansion and evolution: evidence for differential expression of immunoglobulin variable region genes in

different species. pp 19–31. Wang AC.
In: Gergely J, Medyesi GA, ed. Antibody structure and molecular immunology. Amsterdam, North-Holland, 1975. W3 FE322 9th v.36.

Genetic variation and the evolution of communication. pp. 39–58. Scott JP.
In: Hahn ME, Simmel EC, ed. Communicative behavior and evolution. New York, Academic Press, 1976. BF 637.C45 S989c 1974.

Parental age, genetic variation and selection. pp. 3–22. Beardmore JA, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975. (26 ref.)

Stochastic selection and the maintenance of genetic variation. pp. 593–615. Hartl DL, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Adaptive strategies of genetic systems in constant and varying environments. pp. 141–58. Nevo E.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Morphological variation of the gall-forming aphid, Geoica utricularia (homoptera) in relation to environmental variation. pp. 239–72. Wool D, et al.
In: Karlin S, Nevo E, ed. Population genetics and ecology. New York, Academic Press, 1976. QH 455 P831 1975.

Genetic heterogeneity: problems of allelic diversity in heterozygote detection and in the determination of gene frequency. pp. 281–7. Gilbert F, et al.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Genetic variation in nutritional requirements of swine. pp. 113–23. Grummer RH.
In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974. (36 ref.)

Genetic variation in nutritional requirements of poultry. pp. 47–87. Nesheim MC.
In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974. (154 ref.)

The effect of genetic variance on nutritional requirements of animals. Introduction. pp. 1–2. Sunde ML.
In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974.

Genetic variation in nutrition of sheep. pp. 88–112. Terrill CE.
In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974. (122 ref.)

Genetic variation in nutrition of cattle for meat production. pp. 3–18. Warwick EJ, et al.
In: The effect of genetic variance on nutritional requirements of animals. Washington, D.C., National Academy of Sciences, 1975. SF 95 E27 1974. (60 ref.)

Variants of MN blood groups using anti-M and anti-N lectins. Joshi SR, et al. **Indian J Med Res** 63(10):1426–37, Oct 75

Antigenic variation of Streptococcus mutans colonizing gnotobiotic rats. Bratthall D, et al. **Infect Immun** 12(6):1231–6, Dec 75

Comparison of diphtheria intoxication in human and nonhuman cell lines and their resistant variants. Moehring JM, et al. **Infect Immun** 13(1):221–8, Jan 76

Virus-induced diabetes mellitus. V. Biological differences between the M variant and other strains of encephalomyocarditis virus. Ross ME, et al. **Infect Immun** 12(5):1224–6, Nov 75

Alpha-1 antitrypsin levels and prevalence of Pi variant phenotypes in asthmatic children. Katz RM, et al. **J Allergy Clin Immunol** 57(1):41–5, Jan 76

Factors affecting the incidence of non-metrical skeletal variants. Berry AC. **J Anat** 120(3):519–35, Dec 75

Heritability of testicular size and consistency in Holstein bulls. Coulter GH, et al. **J Anim Sci** 43(1):9–12, Jul 76

Genetic basis of adverse drug reactions. Agarwal SS. **J Assoc Physicians India** 23(5):327–32, May 75

Strain-specific variation in the protein and lipopolysaccharide composition of the group B meningococcal outer membrane. Frasch CE, et al. **J Bacteriol** 127(2):973–81, Aug 76

Characterization of an Acholeplasma laidlawii variant with a REP- phenotype. Nowak JA, et al. **J Bacteriol** 127(2):832–6, Aug 76

Genetic variants of human erythrocyte glucose-6-phosphate dehydrogenase. Kinetic and thermodynamic parameters of variants A, B, and A- in relation to quaternary structure. Babalola AO, et al. **J Biol Chem** 251(10):2993–3002, 25 May 76

Comparison of the chemical, physical, and survival properties of normal and Z-variant alpha-1-antitrypsins. Miller RR, et al. **J Biol Chem** 251(15):4751–7, 10 Aug 76

Biochemical characterization of mutant forms of DNA polymerase I from Escherichia coli. I. The polA12 mutation. Uyemura D, et al. **J Biol Chem** 251(13):4078–84, 10 Jul 76

Biochemical characterization of mutant forms of DNA polymerase I from Escherichia coli. II. The polAex1 mutation. Uyemura D, et al. **J Biol Chem** 251(13):4085–9, 10 Jul 76

Selective isolation of reversible cold sensitive variants from Chinese hamster ovary cell cultures. Ohlsson-Wilhelm BM, et al. **J Cell Physiol** 89(1):77–88, Sep 76

Unusual Chromobacterium violaceum: aerogenic strains. Sivendra R. **J Clin Microbiol** 3(1):70–1, Jan 76

Variants of the HR strain of Sindbis virus lethal for mice. Boone LR, et al. **J Gen Virol** 31(2):261–3, May 76

Virulence heterogeneity of a predominantly avirulent Western equine encephalitis virus population. Jahrling PB. **J Gen Virol** 32(1):121–8, Jul 76

Diversity of lymphocytic choriomeningitis virus: variation due to replication of the virus in the mouse. Popescu M, et al. **J Gen Virol** 30(1):113–22, Jan 76

Studies on infectious pancreatic necrosis virus interactions with RTG-2 and FHM cells: selection of a variant virus-type in FHM cells. Scherrer R, et al. **J Gen Virol** 28(1):9–20, Jul 75

Genetic variation in number of pituitary PAS-purple cells in the house mouse. HAkansson EM, et al. **J Hered** 66(3):144–6, May-Jun 75

Genetics of house flies. Variability studies with North Dakota, Texas, and Florida populations. McDonald IC, et al. **J Hered** 66(3):137–40, May-Jun 75

Plasma alpha-L-fucosidase: presence of a low activity variant in some normal individuals. Wood S. **J Lab Clin Med** 88(3):469–76, Sep 76

E1j, a quantitative variant at cholinesterase locus 1: immunological evidence. Rubinstein HM, et al. **J Med Genet** 13(1):43–5, Feb 76

Ultrastructure of L-phase variants isolated from a culture of Mycobacterium phlei. Imaeda T. **J Med Microbiol** 8(3):389–95, Aug 75

Loss of protective antigen, histamine-sensitising factor and envelope polypeptides in cultural variants of Bordetella pertussis. Wardlaw AC, et al. **J Med Microbiol** 9(1):89–100, Feb 76

Statistical analysis of residue variability in cytochrome c. Wong AK, et al. **J Mol Biol** 102(2):287–95, 5 Apr 76

The functional significance of the evolutionary divergence between the tryptophan operons of Escherichia coli and Salmonella typhimurium. Creighton TE. **J Mol Evol** 4(2):121–37, 29 Nov 74

The relationship of DNA base composition and individual protein composition in micro-organisms. Elton RA. **J Mol Evol** 2(4):263–76, 27 Nov 73

Rate of change of concomitantly variable codons. Fitch WM. **J Mol Evol** 1(1):84–96, 1971

Are human hemoglobin variants distributed randomly among the positions? Fitch WM. **J Mol Evol** 2(2-3):181–6, 1973

Transfer RNA: evidence for decreasing size variation during evolution. Gross HJ. **J Mol Evol** 2(4):339–42, 27 Nov 73

The charge-state model of protein polymorphism in natural populations. Marshall DR, et al. **J Mol Evol** 6(3):149–63, 4 Nov 75

A new isozyme of triose phosphate isomerase specific to hominoids. Rubinson H, et al. **J Mol Evol** 2(4):243–50, 27 Nov 73

Morphological variation of Moniliformis moniliformis (Bremser 1811) Travassos 1915 and Moniliformis clarki (Ward 1917) Chandler 1921. Buckner SC, et al. **J Parasitol** 61(6):996–8, Dec 75

Differential variation of parthenogenetic and bisexual Haemaphysalis longicornis (Acari: Ixodidae). Oliver JH Jr, et al. **J Parasitol** 62(3):475–84, Jun 76

The nature of extraversion: a genetical analysis. Eaves L, et al. **J Pers Soc Psychol** 32(1):102–12, Jul 75

Genetic variation in Wales. Harper PS. **J R Coll Physicians Lond** 10(4):321–32, Jul 76

Variants of N-tropic leukemia virus derived from BALB/c mice. Hopkins N, et al. **J Urol** 16(4):991–9, Oct 75

Interfering passages of Sindbis virus: concomitant appearance of interference, morphological variants, and trucated viral RNA. Johnston RE, et al. **J Urol** 16(4):951–8, Oct 75

N-Tropic variants obtained after co-infection with N- and B-tropic murine leukemia viruses. Hopkins N, et al. **J Virol** 18(1):324–31, Apr 76

Electrophoretic study of human ribosomal core proteins: evidence for selection against variation. Bucknall WE, et al. **Johns Hopkins Med J** 137(3):123–6, Sep 75

Enzyme variants in human populations. Harris H. **Johns Hopkins Med J** 138(6):245–52, Jun 76

Type and strain variation in induction of L forms of Neisseria gonorrhoeae. Ota F, et al. **Jpn J Microbiol** 20(2):77–82, Apr 76

Selection of avirulent variants of Rift Valley fever virus. Koyama H, et al. **Kitasato Arch Exp Med** 47(4):67–76, Dec 74

Diverse responses of Staphylococcus aureus NCTC 10442 and some of its variants to methicillin. Annear DI, et al. **Microbios** 12(50):175–8, 1975

R factor variants with enhanced sex factor activity in Pseudomonas aeruginosa. Haas D, et al. **Mol Gen Genet** 144(3):243–51, 30 Mar 76

The selection and induction of 5-iodo-2-deoxyuridine and thymidine variants of P388 mouse lymphoma cells with agents which are used for selection. Anderson D. **Mutat Res** 33(2-3):399–405, Dec 75

Ethyl methanesulphonate mutagenesis with L5178Y mouse lymphoma cells: a comparison of ouabain, thioguanine and excess thymidine resistance. Cole J, et al. **Mutat Res** 34(3):507–25, Mar 76

Isolation and characterization of variant clones of Chinese hamster cells after treatment with irradiated 5-iodouridine. Kuroda Y, et al. **Mutat Res** 33(2-3):285–98, Dec 75

Variation in vivo and isolation of aspergillus fumigatus from a case of human aspergillosis. El-Ani AS. **Mycologia** 67(6):1114–8, Nov-Dec 75

Autosomal chromosome disorders and variations. Miller OJ, et al. **N Engl J Med** 294(11):596–8, 11 Mar 76

Quantitative variation and gene number. Thompson JN Jr. **Nature** 258(5537):665–8, 25 Dec 75

Alpha-1-antitrypsin variants in New Zealand. Janus ED, et al. **NZ Med J** 82(551):289–91, 12 Nov 75

Studies on tumor variability. V. In vivo and in vitro investigations on H10Z tumor lymph node metastasis. Fadei L. **Oncology** 31(2):92–102, 1975

Genetic variation in serum low density lipoproteins and lipid levels in man. Berg K, et al. **Proc Natl Acad Sci USA** 73(3):937–40, Mar 76

Evolution of continuous variation: direct approach through joint distribution of genotypes and phenotypes. Cavalli-Sforza LL, et al. **Proc Natl Acad Sci USA** 73(5):1689–92, May 76

Darwin's finches: population variation and natural selection. Grant PR, et al. **Proc Natl Acad Sci USA** 73(1):257–61, Jan 76

Developmental changes in Drosophila. Alicchio R, et al. **Riv Biol** 68(1-2):45–51, Jan-Jun 75

Plasma cholinesterase variants – an unexpectedly high incidence of the silent allele. Pannall PR, et al. **S Afr Med J** 50(9):304–6, 28Feb 76

The morphology of colony variants of three species of Candida. Joshi KR, et al. **Sabouraudia** 13(3):274–9, Nov 75

The heritability hang-up. Feldman MW, et al. **Science** 190(4220):1163–8, 19 Dec 75

Some sources of nongenetic variability in steroid-induced cleft palate in mice. Kalter H. **Teratology** 13(1):1–9, Feb 76

Wandering distributions and the electrophoretic profile. Moran PA. **Theor Popul Biol** 8(3):318–30, Dec 75

Proceedings: Electroimmunoassay of human coagulation factor IX in the detection of variants of haemophilia B. Ormavik K, et al. **Thromb Diath Haemorrh** 34(1):322–3, 30 Sep 75

The distribution of enzyme variation in populations of Plasmodium falciparum in Africa. Carter R, et al. **Trans R Soc Trop Med Hyg** 69(4):371–6, 1975

Proceedings: Antennal oligomery in the psocid Liposcelis bostrychophilus (Badonnel 1931). Chetwyn KN, et al. **Trans R Soc Trop Med Hyg** 69(4):437, 1975

Proceedings: Electrophoretic variation of enzymes in chicken coccidia. Rollinson D, et al. **Trans R Soc Trop Med Hyg** 69(4):436–7, 1975

Equine herpesvirus in vivo: cyclic production of a DNA density variant with repetitive sequences. Campbell DE, et al. **Virology** 69(2):737–50, Feb 76

A novel type of cellular variant with altered expression of virus-induced cell transformation. Graf T, et al. **Virology** 72(1):283–6, 1 Jul 76

The spectrum of virus resistance of a KB cell strain resistant to diphtheria toxin. Moehring JM, et al. **Virology** 69(2):786–8, Feb 76

Viral interference-mediated selection of a plaque-type variant of influenza virus. Noronha-Blob L, et al. **Virology** 69(1):314–22, Jan 76

Nonreciprocal and host-dependent interference between two variants of influenza virus. Noronha-Blob L, et al. **Virology** 70(2):509–16, Apr 76

Evidence for hybrid formation between rubella virus and a latent virus of BHK21/WI-2 cells. Sato M, et al. **Virology** 69(2):691–9, Feb 76

Studies on genetic transcription. II. Induced production of new morphological traits in Aspergillus ochraceus wilhelm by 2-amino-pyrimidine. Kakkar RK, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):691–5, 1975

[Virulence and antigenic structure of chlornitromycin-resistant variants of Erysipelothrix insidiosa] Nikolov P. **Acta Microbiol Virol Immunol (Sofiia)** 1:57–61, 1975 (Eng. Abstr.) **(Bul)**

[Variations of the median nerve at the carpal tunnel] Lanz U. **Handchirurgie** 7(4):163–4, 1975 (Eng. Abstr.) **(Ger)**

[Variability of genetically determined diseases and their significance for diagnosis, therapy, and genetic prognosis. II. Polygenically determined diseases and evaluation of their genetic prognosis] Witkowski R, et al. **Z Aerztl Fortbild (Jena)** 69(11):590–2, 1 Jun 75 **(Ger)**

[Behavior-genetic analysis of responses in runway test as measures of emotional reactivity in rats: I.- phenotypic variations and heritability estimates based on offspring-parents regressions (author's transl)] Fujita O. **Jpn J Psychol** 46(5):281–92, Dec 75 (Eng. Abstr.) **(Jpn)**

[Genetically determined variations in drug response (author's transl)] Goedde HW, et al. **Protein Nucleic Acid Enzyme (Tokyo)** 20(5):539–48, 1 Apr 75 (13 ref.) **(Jpn)**

[Distribution and characteristics of Poliovirus strains circulating in Poland in 1968–1972. Genetic variation of strains isolated in various secretion periods and clones isolated from vaccines] Kańtoch M, et al. **Med Dosw Mikrobiol** 27(4):353–63, 1975 (Eng. Abstr.) **(Pol)**

[Conditions for the self-organization of submicroscopic structures from mycelial extracts of the 'fructose' variant of Actinomyces roseflavus var. roseofungini] Taptykova SD, et al. **Antibiotiki** 21(6):507–11, Jun 76 (Eng. Abstr.) **(Rus)**

[Method of isolating spontaneous variants of actinomycete cultures, producers of antibiotics] Vinogradova KA, et al.

Antibiotiki 20(7):588–91, Jun 75 (Eng. Abstr.) **(Rus)**
[Production in an Actinomyces levoris culture under the action of an actinophage specific to it of variants with stable preservation of its resistance to the phage] Zhuravleva NP, et al. **Antibiotiki** (9):787–91, Sep 75 (Eng. Abstr.) **(Rus)**
[Interspecies variability of genetic material organization in the gray rat Rattus norvegicus Berk] Miroshnichenko GP, et al. **Dokl Akad Nauk SSSR** 226(4):947–50, 1 Feb 76 **(Rus)**
[Variation in the size of fresh-water phytophilic invertebrates as a manifestation of the structure of their associations] Zimbalevskaia LN. **Dokl Akad Nauk SSSR** 223(3):731–3, 21 Jul 75 **(Rus)**
[Analysis of the inheritance by yeasts of radiation and nitrous acid sensitivity] Arman IP, et al. **Genetika** 10(1):112–8, Jan 74 (Eng. Abstr.) **(Rus)**
[Chromosome variability in established cultures of Drosophila melanogaster embryonal cells] Polukarova LG, et al. **Genetika** 11(5):46–50, 1975 (Eng. Abstr.) **(Rus)**
[Chromosome variability in established cultures of Drosophila melanogaster embryonal cells] Polukarova LG, et al. **Genetika** 11(5):46–50, 1975 (Eng. Abstr.) **(Rus)**
[Genetically controlled electrophoretic variants of esterase in silver foxes] Serov OL, et al. **Genetika** 10(2):95–100, Feb 74 (Eng. Abstr.) **(Rus)**
[Inheritance of changes in the activity level of lactate dehydrogenase 2d isozyme in silver fox erythrocytes] Serov OL, et al. **Genetika** 9(12):45–8, Dec 73 (Eng. Abstr.) **(Rus)**
[Electrophoretic variants of blood plasma haptoglobin in silver and red foxes] Serov OL, et al. **Genetika** 9(11):79–81, Nov 73 (Eng. Abstr.) **(Rus)**
[Effect of low temperature on the variability of ring chromosomes in Drosophila] Stepanova NL. **Genetika** 9(12):145–7, Dec 73 (Eng. Abstr.) **(Rus)**
[Genetic analysis of ring chromosome variability in Drosophila. I. Relation to sex and heterozygote inversions, lethality] Stepanova NL. **Genetika** 9(11):96–106, Nov 73 (Eng. Abstr.) **(Rus)**
[Genetic analysis of variability in Drosophila ring chromosomes. II. Effect of parental age] Stepanova NL. **Genetika** 9(12):69–75, Dec 73 (Eng. Abstr.) **(Rus)**
[Estimation of heritability indexes from the results of sampling experiments] Urbakh VIu. **Genetika** 10(2):171–5, Feb 74 (Eng. Abstr.) **(Rus)**
[Machine models of quantitative characters in genetics. III. Effect of linkage on variability of a 2d generation character] Zhivotovskii LA. **Genetika** 9(12):119–25, Dec 73 (Eng. Abstr.) **(Rus)**
[Experimental study of the role of ixodid ticks in the variability of the DS-trait of the tick-borne encephalitis virus] Chunikhin SP, et al. **Med Parazitol (Mosk)** 44(3):344–7, May-Jun 75 (Eng. Abstr.) **(Rus)**
[Antigenic properties of the cells of 4 variants of Bacillus brevis var. G.-B.] Minina EG, et al. **Mikrobiologiia** 44(6):1086–9, Nov-Dec 75 (Eng. Abstr.) **(Rus)**
[Biological properties of tick-borne encephalitis virus variants isolated by transfection] Gavrilov VI, et al. **Vopr Virusol** (4):406–12, Jul-Aug 75 (Eng. Abstr.) **(Rus)**
[Study of formation of amantidine and rimantidine resistant variants of influenza A2 subtype virus] Il'enko VI. **Vopr Virusol** (2):199–202, Mar-Apr 75 (Eng. Abstr.) **(Rus)**
[Determination of antibody specificity to a new influenza B virus variant by means of the immunoadsorption test] Shenderovich SF, et al. **Vopr Virusol** (4):494–8, Jul-Aug 75 (Eng. Abstr.) **(Rus)**
[Variability of influenza A2 viruses in nature] Sokolov MI, et al. **Vopr Virusol** (4):424–9, Jul-Aug 75 (Eng. Abstr.) **(Rus)**
[Intraspecific variability in fractional composition of the serum proteins of the sturgeon Acipenser stellatus] Lukyanenko VI, et al. **Zh Evol Biokhim Fiziol** 11(2):191–3, Mar-Apr 75 (Eng. Abstr.) **(Rus)**
[Biological characteristics of biochemical variants of Sh. sonnei] Ruchkina LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):140–1, May 75 **(Rus)**
[Genetic analysis in families with histidinemia (author's transl)] Rostenberg I, et al. **Rev Invest Clin** 27(3):217–24, Jul-Sep 75 (Eng. Abstr.) **(Spa)**
[Comparative characteristics of the biological properties of Proteus varieties] Vitvitskii VM, et al. **Med Educ** 38(2):205–7, Mar-Apr 76 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

[Effect of gramicidin C on the formation and germination of Bacillus brevis var. GB (P+-variant) spores] Egorov NS, et al. **Antibiotiki** 20(4):345–9, Apr 75 (Eng. Abstr.) **(Rus)**
[Spontaneous and induced variability in Actinomyces rubiginosohelvolus, a new producer of the antibiotic rubomycin] Lapchinskaia OA, et al. **Antibiotiki** 20(12):1061–5, 1975 (Eng. Abstr.) **(Rus)**
[Variability in Act. circulatus var. monomycini induced by N-5-nitroso-N-methylbiuret] Letiagin KP, et al. **Antibiotiki** 20(6):488–94, Jun 75 (Eng. Abstr.) **(Rus)**
[Variability in Penicillium janthinellum Biourge, a producer of the antibiotic janthinellin, under the action of nitrosomethylurea] Pal'mova NP, et al. **Antibiotiki** 20(4):339–42, Apr 75 (Eng. Abstr.) **(Rus)**
[Antibiotic sensitivity of nonpigmented variants of Staphylococcus aureus] Popov IuA, et al. **Antibiotiki** 20(4):357, Apr 75 **(Rus)**
[Effect of N-methyl-N'-nitro-N-nitrosoguanidine on variability of Bacillus mesentericus--producer of proteolytic enzymes] Pasechnik AM, et al. **Tsitol Genet** 8(6):517–20, Nov-Dec 74 (Eng. Abstr.) **(Rus)**
[Staphylococcal variability during prolonged cultivation on bile media] Sytnik IA, et al. **Mikrobiol Zh** 36(5):603–6, Sep-Oct 74 (Eng. Abstr.) **(Ukr)**

VARICELLA see **CHICKENPOX**

VARICELLA-ZOSTER VIRUS

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 9-1976. **N Engl J Med** 294(9):485–93, 26 Feb 76

DRUG EFFECTS

In vitro susceptibility of varicella zoster virus to adenine arabinoside and hypoxanthine arabinoside. Bryson YJ, et al. **Antimicrob Agents Chemother** 9(3):540–3, Mar 76
In vitro antiherpetic activity of water-soluble amphotericin B methyl ester. Stevens NM, et al. **Arch Virol** 48(4):391–4, 1975

GROWTH & DEVELOPMENT

Infection of guinea-pig embryo cells with varicella-zoster virus. Harbour DA, et al. **Arch Virol** 41(1):39–47, 1975

IMMUNOLOGY

Neutralizing antibody responses to varicella-zoster virus. Schmidt NJ, et al. **Infect Immun** 12(3):606–13, Sep 75
Indirect haemagglutination reaction (LH)-the method of choice for the detection of anamnestic antibodies to varicella - zoster (VZ) virus. Trlifajová J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 20(1):101–6, 1976
Varicella-Zoster Immunoglobulins during Varicella, Latency, and Zoster. Brunell PA, et al. **J Infect Dis** 132(1):49–54, Jul 75
Letter: Contact infection from live varicella vaccine recipients. Asano Y, et al. **Lancet** 1(7966):965, 1 May 76
Seroepidemiologic survey of varicella: Value of specific fluorescent antibody test. Gershon AA, et al. **Pediatrics** 56(6):1005–8, Dec 75
Detection of antibody to Varicella-Zoster virus by immune adherence hemagglutination. Gershon AA, et al. **Proc Soc Exp Biol Med** 151(4):762–5, Apr 76
Antibody titers by mixed agglutination to varicella-zoster, herpes simplex and vaccinia viruses in patients with multiple sclerosis. Ito M, et al. **Proc Soc Exp Biol Med** 149(4):835–9, Sep 75
Varicella-zoster antibodies in adult patient with haemoblastoses. Trlifajová J, et al. **Zentralbl Bakteriol [Orig A]** 234(3):413–6, Apr 76
[Epidemiology of varicella-zoster-virus and of herpesvirus hominis (author's transl)] Falke D. **Immun Infekt** 2(4):183–8, Oct 74 (Eng. Abstr.) **(Ger)**
[Myelocytic leukaemia with atypical evolution (author's transl)] Pérez DG, et al. **An Esp Pediatr** 9(4 Suppl):7–11, Jun 76 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Isolation of varicellazoster virus from blood. Feldman S, et al. **J Pediatr** 88(2):265–7, Feb 76
[Study of Herpes zoster keratitis; demonstration of virus particles in corneal scrapings (author's transl)] Hayashi S. **Acta Soc Ophthalmol Jpn** 79(10):1542–9, 10 Oct 75 (Eng. Abstr.) **(Jpn)**
[Experience in the production of cell-free chickenpox virus in cultures of diploid human cells] Iovlev VI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:156–62, 1973 **(Rus)**

PATHOGENICITY

The pathogenesis of simian varicella virus in cynomolgus monkeys. Wenner HA, et al. **Proc Soc Exp Biol Med** 150(2):318–23, Nov 75
[Pathogenesis of infection by herpes group viruses] Aoyama Y. **Virus (Tokyo)** 24(1):73–5, Apr 74 **(Jpn)**

VARICOCELE

Prevention of fertility disorders by detection and treatment of varicocele at school and college age. Steeno O, et al. **Andrologia** 8(1):47–53, 1976
[Etiology, pathogenesis and treatment of primary (idiopathic) varicocele] Chalganov AI. **Vestn Khir** 116(3):126–31, Mar 76 (113 ref.) **(Rus)**

BLOOD

Adrenal cortical hormones in the spermatic vein of 95 patients with left varicocele. Steeno O, et al. **Andrologia** 8(2):101–4, 1976

COMPLICATIONS

The role of varicocele in male fertility. Fernando N, et al. **Andrologia** 8(1):1–9, 1976
Wilms' tumor presenting as a varicocele. Auldist AW. **J Pediatr Surg** 11(3):471–2, Jun 76
Varicocle in oligospermic patients: pathophysiology and results after ligation and division of the internal spermatic vein. Glezerman M, et al. **J Urol** 115(5):562–5, May 76
[Role of varicocele in male sterility] Warlin JF, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4(8):1103–8, Nov-Dec 75 (Eng. Abstr.) **(Fre)**
[Varicocele and male sterility] Pontonnier F, et al. **J Urol Nephrol (Paris)** 81(7–8):604–6, Jul-Aug 75 **(Fre)**
[Varicocele as a cause of disorder in fertility (author's transl)] Rost A, et al. **Urologe [A]** 14(6):282–6, Nov 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Prevention of fertility disorders by detection and treatment of varicocele at school and college age. Steeno O, et al. **Andrologia** 8(1):47–53, 1976
The value of scrotal thermography as compared with selective retrograde venography of the internal spermatic vein for the diagnosis of 'subclinical' varicocele. Comhaire F, et al. **Fertil Steril** 27(6):694–8, Jun 76
[Letter: Testicular thermography and varicocele] Ravina JH, et al. **Nouv Presse Med** 5(16):1070, 17 Apr 76 **(Fre)**
[Plate thermographic studies on the male external genitalia. A preliminary communication] Silló-Seidl G. **Urologe [A]** 15(3):126–7, May 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Etiopathogenesis of varicocele and therapeutic conclusions] Moldovan I, et al. **J Chir (Paris)** 111(3):319–34, Mar 76 (Eng. Abstr.) **(Fre)**
[The structure and function of the vena spermatica interna--the etiology of varicocele] Völter D, et al. **Andrologia** 7(2):127–33, 1975 (Eng. Abstr.) **(Ger)**
[Varicocele as a symptom in renal cell carcinoma (author's transl)] Masuda F, et al. **Jpn J Urol** 66(12):876–80, Dec 75 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Pathomorphosis of plexus veins in varicocele] Dathe G, et al. **Med Welt** 27(34):1564–7, 20 Aug 76 **(Ger)**
[Spermatological and histological findings in patients with varicocele (author's transl)] Weissbach L, et al. **Urologe [A]** 14(6):277–81, Nov 75 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pituitary and gonadal hormones in patients with varicocele. Swerdloff RS, et al. **Fertil Steril** 26(10):1006–12, Oct 75
Study of the hypothalamo-pituitary-testicular function in patients with varicocele before and after operation. pp. 187–91. Comhaire FH.
In: Hubinont PO, et al., ed. Sperm Action. Basel, Karger, 1976. W3 IN887K 1975s.

RADIOGRAPHY

Selective retrograde venography of the internal spermatic vein: a conclusive approach to the diagnosis of varicocele. Comhaire F, et al. **Andrologia** 8(1):11–24, 1976
Subfertility and varicocele. I. Venogram demonstration of anastomosis sites in subfertile men. Etriby AA, et al. **Fertil Steril** 26(10):1013–7, Oct 75

SURGERY

Semen cahracteristics before and after ligation of the left internal spermatic veins in men with varicocele. Lindholmer C, et al. **Scand J Urol Nephrol** 9(3):177–80, 1975
Proceedings: Anatomical and surgical aspects in the operative management of varicocele. Mina E, et al. **West Afr J Pharmacol Drug Res** 2(1):100P-101P, Dec 74

VARICOSE ULCER

COMPLICATIONS

Malignant change in chronic varicose ulceration. Liddell K. **Practitioner** 215(1287):335–9, Sep 75
[Aneurysm of the tibial artery: rare complication of chronic venous ulcer] Mateo AM, et al. **Angiologia** 28(4):180–4, Jul-Aug 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Serum zinc and healing of varicose ulcers. A controlled study] Larsen PO, et al. **Ugeskr Laeger** 138(4):208–11, 19 Jan 76 (Eng. Abstr.) **(Dan)**
[Treatment of trophic ulcers in patients with varicose veins and post-thrombophlebitic syndrome] Uspenskiĭ LV, et al. **Klin Khir** (10):39–43, Oct 75 **(Rus)**

ETIOLOGY

Proceedings: Extravascular fibrin deposition in response to venous hypertension-the cause of venous ulcers. Burnand KG, et al. **Br J Surg** 63(8):660–1, Aug 76

IMMUNOLOGY

[Tissue autoimmunoaggression and allergy in post-thrombophlebitic ulcers of the lower limbs] Borovkov SA, et al. **Khirurgiia (Mosk)** (8):60–5, Aug 75 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Pseudomonas putrefaciens as a cause of infection of venous

ulcers. Degreef H, et al. **Dermatologica** 151(5):296–301, 1975

NURSING

Nursing care study: varicose ulcer. Reid A. **Nurs Times** 72(22):867–8, Jun 76

SURGERY

Relation between postphlebitic changes in the deep veins and results of surgical treatment of venous ulcers. Burnand K, et al. **Lancet** 1(7966):936–8, 1 May 76

[Infra-fascial ligation of incompetent perforating veins for cure of varicose ulcer (author's transl)] Schoevaerdts JC. **Acta Chir Belg** 74(6):568–80, Nov 75 (Eng. Abstr.) **(Fre)**

[Treatment of ulcus venosum cruris] Bjordal R. **Tidsskr Nor Laegeforen** 95(31):1809–11, 10 Nov 75 **(Nor)**

[Treatment of varicose leg ulcer] Soiland H, et al. **Tidsskr Nor Laegeforen** 95(23):1305–9, 20 Aug 75 (Eng. Abstr.) **(Nor)**

[Oeration of cross autovenous shunting in post thrombophlebitic disease of the lower limbs] Gorbunov GM. **Vestn Khir** 115(8):57–60, Aug 75 (Eng. Abstr.) **(Rus)**

[Reconstructive operations in post-thrombophlebitis syndrome of the pelvis and the lower limbs] Shalimov AA, et al. **Vestn Khir** 116(2):93–7, Feb 76 (Eng. Abstr.) **(Rus)**

THERAPY

The Klippel–Trenaunay syndrome. A case report and review. Schaal PG, et al. **J Cardiovasc Surg (Torino)** 17(3):230–3, May–Jun 76

[Simplified hydrostatic compression] Holan V, et al. **Cesk Dermatol** 50(6):378–82, Dec 75 (Eng. Abstr.) **(Cze)**

[Hydrostatic compression—a new principle and method in the treatment of leg ulcer] Holan V. **Cesk Dermatol** 50(6):374–7, Dec 75 (Eng. Abstr.) **(Cze)**

[Reflexotherapy (acupuncture) in the treatment of ulcer caused by venous stasis of the lower extremities] Celoria R, et al. **Minerva Med** 67(5):350–5, 31 Jan 76 **(Ita)**

[Treatment of patients with trophic ulcers] Iupatov SI, et al. **Khirurgiia (Mosk)** (8):52–5, Aug 75 (Eng. Abstr.) **(Rus)**

[Treatment of trophic crural ulcers] Grigorian AV, et al. **Sov Med** (10):86–91, Oct 75 **(Rus)**

[Stimulating effect of catgut in treatment of trophic leg ulcers] Sashchikova VG, et al. **Vestn Khir** 116(5):116–7, May 76 **(Rus)**

VARICOSE VEINS

see related

SCLEROSING SOLUTIONS

Varicose veins. Weintraub AM, et al. **Am Fam Physician** 13(3):107–13, Mar 76

Pulmonary varix regression after mitral valve replacement. Kelser GA, et al. **Am J Cardiol** 37(6):928–32, May 76

The pelvic congestion syndrome. Hobbs JT. **Practitioner** 216(1295):529–40, May 76 (69 ref.)

Pulmonary varix. Arnett JC Jr, et al. **Thorax** 31(1):107–12, Feb 76

[Primary and secondary varicosis (author's transl)] **Langenbecks Arch Chir** 339:631–9, Nov 75 **(Ger)**

[Phlebectasia of internal jugular vein] Parkhomovskiĭ MA. **Khirurgiia (Mosk)** (8):114–5, Aug 75 **(Rus)**

[Diagnosis and treatment of dilatation of subcutaneous veins of the lower limbs, caused by compression of the external iliac vein] Galstian SM, et al. **Vestn Khir** 115(7):65–70, Jul 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Varicose dysplasia. Schobinger RA. **J Cardiovasc Surg (Torino)** Spec No:593–6, 1973

COMPLICATIONS

Intermittent exophthalmos due to orbital varicose vein accompanied by varicose veins of the legs. Golan A, et al. **Ann Ophthalmol** 8(1):61–4, Jan 76

Gastrointestinal hemorrhage from adhesion-related mesenteric varices. Moncure AC, et al. **Ann Surg** 183(1):24–9, Jan 76

An unusual cause of stillbirth: maternal hemorrhage from ankle varicosity. Batman LS, et al. **Del Med J** 47(8):427–8, Aug 75

Massive ileostomy and colostomy hemorrhage from mucocutaneous varices in patients with coexisting cirrhosis. Graeber GM, et al. **Rev Surg** 33(4):282–4, Jul–Aug 76

Massive hemorrhage from ileostomy and colostomy stomas due to mucocutaneous varices in patients with coexisting cirrhosis. Graeber GM, et al. **Surgery** 79(1):107–10, Jan 76

[Renal varices. Apropos of a personal case] Kalis E, et al. **Acta Urol Belg** 43(4):419–23, Oct 75 (Eng. Abstr.) **(Fre)**

[Eczema in varicose vein patients] Chatard H. **Phlebologie** 28(3–4):393–6, Jul–Sep 75 **(Fre)**

[Varicose calcification of the internal saphenous vein] Hutinel B. **Phlebologie** 28(4):569–70, Oct–Dec 75 **(Fre)**

[A case of spontaneous rupture of uterine varices during labor, followed by hematoma of the broad ligament] Apostolakis A, et al. **Minerva Ginecol** 28(2):142–4, Feb 76 (Eng. Abstr.) **(Ita)**

[A rare case of uterine hemorrhage from a dilatated varicose vein] Baulin VA, et al. **Akush Ginekol (Mosk)** (2):72, Feb 75 **(Rus)**

[Diagnosis of valvular insufficiency of the femoral vein in varicose disease of the lower limbs] Konstantinova GD, et al. **Klin Khir** (7):30–4, Jun 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

A new method for the diagnosis of pelvic pathologies Part II – interpretation of abnormal images. Clavero Núñez JA, et al. **Acta Eur Fertil** 6(2):173–7, Jun 75

A new method for the diagnosis of pelvic pathology by gammagraphy. Part I – description of the method and normal results. Clavero Núñez JA, et al. **Acta Eur Fertil** 6(2):167–71, Jun 75

The various forms of pulmonary varices. Report of three cases and review of the literature. Ben-menachem Y, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(4):881–9, Dec 75

Proceedings: A blind clinical trial comparing ultrasound detection with established techniques to predict the site of incompetent perforating veins. Burnand KG, et al. **Br J Surg** 62(8):667, Aug 75

Varices of the colon: diagnosis by colonoscopy. Geboes K, et al. **Gastrointest Endosc** 22(1):43–5, Aug 75

Letter: Pulsatile varicose veins in tricuspid insufficiency. Gordon M, et al. **JAMA** 235(25):2719, 21 Jun 76

Transcutaneous Doppler ultrasound in the assessment of peripheral vascular disorders. 2 – Venous. Appleberg M. **S Afr J Surg** 13(2):87–91, Jun 75

A simple plethysmographic method for differentiating primary from secondary varicose veins. Holm JS. **Surg Gynecol Obstet** 143(4):609–12, Oct 76

[Pitfalls during phlebology consultation] Nebot F. **Phlebologie** 28(3–4):419–24, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[Varicositiy formation in the parotid gland (author's transl)] Jahnke V. **Laryngol Rhinol Otol (Stuttg)** 54(11):896–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Varicose veins of the lower extremities in female workers in certain jobs involving shifting heavy loads] Perfilova GS. **Gig Tr Prof Zabol** (9):43–4, Sep 75 **(Rus)**

[Differential-diagnostic symptoms of femoral hernia and isolated varicose enlargment of the great saphenous vein of the lower extremity] Krokhalev AA. **Vestn Khir** 114(4):120–2, Apr 75 **(Rus)**

DRUG THERAPY

[Activity of a combined preparation of melilot extract and water-soluble rutin on trophic disorders of vascular origin of the leg] Desmons F, et al. **Phlebologie** 28(1):155–8, Jan–Mar 75 **(Fre)**

[Law of laminar flow and law of turbulence: application to sclerosing therapy of the varicose internal saphenous vein] Scipioni G, et al. **Phlebologie** 28(3–4):501–4, Jul–Sep 75 **(Fre)**

[Sclerosing therapy applied to 300 cases of essential varices of the internal saphenous vein and results] Scipioni G, et al. **Phlebologie** 28(3–4):505–7, Jul–Sep 75 **(Fre)**

[Treatment of varicose veins of the legs by sclerosing injections] Cloutier G, et al. **Union Med Can** 104(12):1854–63, Dec 75 **(Fre)**

[Letter: Sclerosing of varices in the ankle area] Fischer H. **Hautarzt** 26(8):444, Aug 75 **(Ger)**

[Demonstration of the effectiveness of the horse-chestnut-seed extract in the varicose syndrome complex] Neiss A, et al. **Munch Med Wochenschr** 118(7):213–6, 13 Feb 76 **(Ger)**

[Management of venous diseases using Flavan] Feine-Haake G. **Z Allgemeinmed** 51(18):839, 30 Jun 75 **(Ger)**

[Combined treatment of chronic venous circulatory disorders] Meyerhoff W. **ZFA** 52(10):539–41, 10 Apr 76 **(Ger)**

[Treatment of phlebopathies of the lower limbs with a new drug with anti-inflammatory, analgesic and antipyretic activity] Bagliani A, et al. **Ann Ital Chir** 47(5):467–74, 1975 **(Ita)**

[Hemodynamic action of a drug combination on the venous circulation] Bartolo M, et al. **Clin Ter** 73(2):139–46, 30 Apr 75 **(Ita)**

[Gynecological use of a phlebokinetic drug with special reference to its combination with oral contraceptives] Cazzola D. **Clin Ter** 74(6):559–78, 30 Sep 75 **(Ita)**

[Injection sclerosing therapy of varicose veins] Chalganov AI. **Khirurgiia (Mosk)** (8):65–70, Aug 75 (Eng. Abstr.) **(Rus)**

[Treatment of varicose veins with vistarin under polyclinical conditions] Kuznetsov NN. **Sov Med** (2):152, Feb 76 **(Rus)**

[State of the coagulation system of the blood following treatment of varicose enlargment of the veins of the lower extremity with phlebosclerosing preparations] Liul'ka AN, et al. **Vestn Khir** 114(4):15–8, Apr 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Influence of O-(beta-hydroxyethyl)-rutoside or venoruton on lactate dehydrogenase of human cultured varicose veins. Matagne D, et al. **Biochem Pharmacol** 24(16):1491–4, 15 Aug 75

Isoenzymes of lactate dehydrogenase in varicose veins. Mrhová O, et al. **Blood Vessels** 12(5):302–6, 1975

ETIOLOGY

Proceedings: The aetiology of varicose veins. Martin A, et al. **Br J Surg** 63(2):149, Feb 76

Letter: Varicose veins in developing countries. **Lancet** 2(7981):374, 14 Aug 76

Letter: Nature of piles. Graham-Stewart CW. **Lancet** 2(7936):665, 4 Oct 75

Pressure changes in varicose veins. Martin A, et al. **Lancet** 1(7963):768–70, 10 Apr 76

Posttraumatic subepicranial varix. Mori K, et al. **Surg Neurol** 5(6):337–9, Jun 76

[Risk factors in primary varicosis] Madar G, et al. **Med Welt** 27(25):1235–7, 18 Jun 76 **(Ger)**

[Venous diseases, life habits and statistics] Bassi G. **Vasa** 4(1):79–81, 1975 **(Ger)**

[Peripheral phlebodynamometry. Basis, technics, capabilities] Kriessmann A. **Vasa** Suppl 4:1–35, 1975 (103 ref.) **(Ger)**

[Pathophysiological and anatomical prerequisites of hemodynamic disorders in the system of small saphenous vein] Borovkov SA, et al. **Vestn Khir** 116(4):66–72, Apr 76 (Eng. Abstr.) **(Rus)**

[Etiology and pathogenesis of varicose veins] Shevchenko IV. **Vrach Delo** (3):59–60, Mar 74 **(Rus)**

[Generalized varicose phlebectasia of the subcutaneous veins after severe electric injury] Grigoriants GS. **Zdravookhr Kirg** (2):57–8, Mar–Apr 75 **(Rus)**

[Etiopathology of venous dilatations] Thiery L. **Angiologia** 27(6):272–8, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Hereditary phlebectasis of the lips. An autosomal dominant disorder. Reed WB. **Arch Dermatol** 112(5):712–4, May 76

HISTORY

[Origins of treatment for varices] Vaubel WE, et al. **Med Welt** 27(20):991–4, 14 May 76 **(Ger)**

METABOLISM

[Histamine content in the tissue of lower limbs in varicose veins] Khrushchova VM, et al. **Vestn Khir** 114(5):64–7, May 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Letter: Varicose veins in developing countries. Phillips C, et al. **Br Med J** 1(6018):1148, 8 May 76

Hemorrhoids, varicose veins and deep vein thrombosis: epidemiologic features and suggested causative factors. Burkitt DP. **Can J Surg** 18(5):483–8, Sep 75

Varicose veins in a population of lowland New Guinea. Stanhope JM. **Int J Epidemiol** 4(3):221–5, Sep 75

Letter: Varicose veins in India. Burkitt DP, et al. **Lancet** 2(7938):765, 18 Oct 75

Letter: Varicose veins in developing countries. Hobbs JT. **Lancet** 2(7979):259, 31 Jul 76

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 7–1976. **N Engl J Med** 294(7):385–91, 12 Feb 76

[Pathophysiological aspects of the venous system of the leg as a consequence of anatomical and physiological peculairities (author's transl)] Jaques R. **Praxis** 64(40):1282–8, 7 Oct 75 **(Ger)**

[Studies on the uppermost venous valves of the vena saphena magna in varices] Gottlob R, et al. **Zentralbl Chir** 100(21):1306–15, 1975 **(Ger)**

PHYSIOPATHOLOGY

[Bloodless method of determination of venous pressure in patients with varicose veins] Bulgakov PP. **Sov Med** (4):150, Apr 75 **(Rus)**

[Dynamic pressure in the superficial and deep crural veins in uncomplicated varicosity without incompetence of communicant veins] Panasenkov LI. **Vestn Khir** 116(4):72–6, Apr 76 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Further observations on pulmonary venous varix. Twersky J, et al. **Am J Roentgenol** 127(3):435–40, Sep 76

Pulmonary varices. Report of two cases and review of the literature. Romanoff H, et al. **Chest** 70(03):395–7, Sep 76

Vulval phlebography in the pelvic congestion syndrome. Craig O, et al. **Clin Radiol** 26(4):517–25, Oct 75

Differential diagnostic importance of retrograde phlebography in cases of unusual ectasia and renal pelvic deformity. Braedel HU, et al. **Radiology** 119(1):65–8, Apr 76

[Double venoma (varicosity) of the neck in an 8 year old child (author's transl)] Lefreche JN, et al. **J Radiol Electrol Med Nucl** 56(12):915–6, Dec 75 (Eng. Abstr.) **(Fre)**

[Pulmonary varices (author's transl)] Freise G, et al. **Thoraxchirurgie** 23(3):230–33, Jun 75 (Eng. Abstr.) **(Ger)**

SURGERY

Duodenal varices. Richardson JD, et al. **Am Surg** 42(3):201–3, Mar 76

Fibrinolysis activation after operation of spermatic cord. Gaszyński W, et al. **Anaesth Resusc Intensive Ther** 3(2):181–5, Apr–Jun 75

Short-stay varicose vein surgery. Järvinen P, et al. **Ann Chir Gynaecol Fenn** 65(1):52–7, 1976
A technique for re-exploration of the saphenofemoral junction for recurrent varicose veins. Li AK. **Br J Surg** 62(9):745–6, Sep 75
The surgical cure of primary varicose veins. Rivlin S. **Br J Surg** 62(11):913–7, Nov 75
Proceedings: A trial of alternative methods of postoperative case after operations for hernia or varicose veins. Ruckley CV, et al. **Br J Surg** 63(8):669, Aug 76
Surgery and sclerotherapy in the treatment of varicose veins. Alderman DB. **Conn Med** 39(8):467–71, Aug 75
Oxyphenbutazone and indomethacin treatment following surgery for varicose veins. Jaakkola K, et al. **Curr Ther Res** 20(2):134–41, Aug 76
Letter: Treatment of varicose veins. Strandness DE. **Lancet** 1(7974):1418, 26 Jun 76
Clinically suspect pulmonary embolism after vein stripping. Lofgren EP, et al. **Mayo Clin Proc** 51(2):77–80, Feb 76
Technique for operation upon recurrent varicose veins. Nabatoff RA. **Surg Gynecol Obstet** 143(3):463–7, Sep 76
Is non-radical surgery for varicose veins justifiable? Haeger K. **Vasa** 4(4):403–6, 1975
Proximal or distal extraction of the internal saphenous vein? Jacobsen BH, et al. **Vasa** 4(3):240–2, 1975
A comparison of staples and nylon closure in varicose vein surgery. Lennihan R, et al. **Vasc Surg** 9(4):200–3, Sep–Oct 75
Argon laser management of cutaneous vascular deformities. A preliminary report. Apfelberg DB, et al. **West J Med** 124(2):99–101, Feb 76
[Surgical treatment of primary varices of the lower extremities with radical dissection of the subcutaneous varicose veins] Bakhariev Z. **Khirurgiia (Sofiia)** 28(5):471–6, 1975 (Eng. Abstr.) **(Bul)**
[Surgical treatment of varices in gravidity (author's transl)] Svorc J. **Cesk Gynekol** 41(3):180–1, May 76 **(Cze)**
[New type of intravenous striptor of our own construction] Luža E. **Rozhl Chir** 54(10):725–9, Oct 75 (Eng. Abstr.) **(Cze)**
[Comparative study of clopiran and tanderil in the post-surgical treatment of varicose veins (author's transl)] Van de Heyning-Meier J. **J Belge Rhumatol Med Phys** 30 Spec no:229–32, 1975 (Eng. Abstr.) **(Dut)**
[Surgical treatment of recurrences after operations for essential varices] Olivier C. **J Chir (Paris)** 109(5–6):565–74, May–Jun 75 (Eng. Abstr.) **(Fre)**
[Thromboembolic risks and surgery for varicose veins] Becade P, et al. **Phlebologie** 28(1):97–104, Jan–Mar 75 (Eng. Abstr.) **(Fre)**
[A successful blood vessel reconstruction following inadvertent exeresis of arteries during varicose vein surgery] Becker HM. **Chirurg** 46(8):367–70, Aug 75 (Eng. Abstr.) **(Ger)**
[Experiences with ambulant radical surgery of varices] Müller W. **Helv Chir Acta** 43(1–2):75–8, Mar 76 **(Ger)**
[Surgical treatment of varices] Rahmer H. **Hippokrates** 47(3):277–8, Aug 76 **(Ger)**
[Operation on varicose, especially in the malleolar region (author's transl)] Hagmüller GW, et al. **Wien Klin Wochenschr** 88(12):388–90, 11 Jun 76 (Eng. Abstr.) **(Ger)**
[Surgery of primary varicose veins] Lewicki E. **Z Aerztl Fortbild (Jena)** 69(19):1011–4, 1 Oct 75 **(Ger)**
[Varicectomy in the lower extremity] Heinrich P. **Zentralbl Chir** 100(12):745–50, 1975 **(Ger)**
[Problem of perforating vein insufficiency in the surgical treatment of varices of the lower extremities] Jaworski R, et al. **Pol Przegl Chir** 47(8):1019–23, Aug 75 (Eng. Abstr.) **(Pol)**
[A tube with an illumination system for operations on dilated varicose veins in the legs] Karavanov GG. **Klin Khir** (11):81, Nov 75 **(Rus)**
[Remote results of surgical treatment of primary varicose veins of the lower limbs] Kurbangaleev SM, et al. **Klin Khir** (10):36–9, Oct 75 **(Rus)**
[Babcock's tube with an illumination device] Mamchich VI. **Klin Khir** (11):82, Nov 75 **(Rus)**
[Complications in surgical treatment of varicose veins of the lower limbs and their prevention] Khanaliev NM, et al. **Vestn Khir** 116(4):76–8, Apr 76 (Eng. Abstr.) **(Rus)**
[Remote results of surgical treatment of post-thrombophlebitic disease of the lower limbs] Klement AA, et al. **Vestn Khir** 114(9):48–52, Sep 75 (Eng. Abstr.) **(Rus)**
[Role of phlebography in surgery of recurrent varicose veins of the lower limbs] Konstantinova GD, et al. **Vestn Khir** 115(12):52–7, Dec 75 (Eng. Abstr.) **(Rus)**
[Surgical treatment of varicose veins] Kukura A, et al. **Rozhl Chir** 55(1):46–54, Jan 76 (Eng. Abstr.) **(Slo)**

THERAPY

Transhepatic variceal sclerotherapy. Cooperman AM, et al. **Arch Surg** 111(5):609, May 76
Support for varicose veins. Fentem PH, et al. **Br Med J** 1(6004):254–6, 31 Jan 76
Letter: Support for varicose veins. Fentem PH. **Br Med J** 1(6011):711–2, 20 Mar 76
Letter: Support for varicose veins. Holford CP. **Br Med J** 1(6010):649, 13Mar 76
Alternatives in the management of varices. Lofgren EP, et al. **Geriatrics** 30(9):111–3, Sep 75
Letter: Treatment of varicose veins. Marston A. **Lancet** 2(7932):453, 6 Sep 75
Letter: Treatment of varicos veins. Turner P. **Lancet** 2(7934):558–9, 20 Sep 75
Sclerostripping—a 'new' procedure for the treatment of varicose veins. Conrad P. **Med J Aust** 2(2):42–4, 12 Jul 75
'Quick treatment'—a modified method of sclerotherapy of varicose veins. Sigg K, et al. **Vasa** 4(1):73–8, 1975
[Health resort therapy of varicose complaint syndromes] Hammer O. **Ther Ggw** 114(10):1730–4, Oct 75 **(Ger)**
[Pysiotherapy and prevention of varicose syndrome] Franke K. **Z Allgemeinmed** 51(31):1426–8, 10 Nov 75 **(Ger)**
[Current acquisitions on phlebopathies of the lower extremities] Ferrara F, et al. **Minerva Chir** 30(20):1029–32, 31 Oct 75 (Eng. Abstr.) **(Ita)**
[Mobilization regimen for patients following electrosurgical treatment of varicose veins] Popova ZI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):87–9, Jan–Feb 75 **(Rus)**

VARIOLA VIRUS see **SMALLPOX VIRUS**

VARNISH see under **PAINT**

VARNISH, CAVITY see **DENTAL CAVITY LINING**

VAS DEFERENS

Effect of irrigation of vas deferens on sperm analyses after vasectomy. Lehtonen T. **Ann Chir Gynaecol Fenn** 64(4):224–6, 1975
Effects of intravasal nylon thread on the spermatozoa & reproductive organs in rats. Poddar AK, et al. **Indian J Exp Biol** 13(1):1–3, Jan 75
Some observations of the luminal contents of the proximal vas segment in cases of vasectomy. Pardanani DS, et al. **J Postgrad Med** 21(4):163–7, Oct 75
Feasibility study of the reversible occlusion device for the vas deferens. Guha SK, et al. **Med Biol Eng** 14(1®760310–760415–3):15–8, Jan 76
[Adrenocortical chorista (2 cases localized in the spermatic ducts)] Mori F, et al. **Arch De Vecchi Anat Patol** 60(1):205–20, Aug 74 **(Ita)**

ABNORMALITIES

Congenital absence of the vas deferns. Rubin GP, et al. **Br J Surg** 63(6):464, Jun 76
Accessory vas deferens: a case report. Mysorekar VR. **Br J Urol** 48(1):82, Feb 76
Letter: Congenital absence of vas deferens. Ein SH. **Can Med Assoc J** 114(6):495–6, 20 Mar 76
Letter: Congenital absence of vas deferens. Ho WC. **Can Med Assoc J** 113(11–12):1022–4, 13 Dec 75
Congenital bilateral absence of the vas deferens. Gupta AS, et al. **Int Surg** 61(3):178–9, Mar 76
A horse with one kidney, partially obstructed ureter, and contralateral urogenital anomalies. Johnson BD, et al. **J Am Vet Med Assoc** 169(2):217–9, 15 Jul 76
Significance of absent vas deferens at hernia repair in infants and children. Lukash F, et al. **J Pediatr Surg** 10(5):765–9, Oct 75
Aplasia of the epididymis and vas deferens in the dog. Copland MD, et al. **J Small Anim Pract** 17(7):443–9, Jul 76
Intercommunicating vas deferens. Beall ME, et al. **J Urol** 116(1):126–7, Jul 76
Creation and use of a scrotal sperm bank in aplasia of the vas deferens. Vickers MA Jr. **J Urol** 114(2):242–5, Aug 75
Dysplasia of the testis and epididymis. Lingårdh G, et al. **Scand J Urol Nephrol** 9(1):1–4, 1975
[Opening of the seminiferous canal in the glans penis] Kochol V, et al. **Z Urol Nephrol** 68(2):135–8, Feb 75 **(Ger)**
[Aspermia due to developmental abnormalities] Molnár J, et al. **Z Urol Nephrol** 69(1):41–4, Jan 76 **(Ger)**

ANALYSIS

Deoxyribonucleic acid of Cancer pagurus. IV. Elution behaviour on hydroxyapatite chromatographic column. Londos-Gagliardi D, et al. **Biochimie** 57(11–12):1275–9, Nov–Dec 75
Changing patterns of sialic acid in the spermatozoa & luminal plasma of the epididymis & vas deferens of the hamster, Mesocricetus auratus (Waterhouse). Bose TK, et al. **Indian J Exp Biol** 13(1):8–11, Jan 75

ANATOMY & HISTOLOGY

Regional variation in the distribution of alpha-adrenoreceptors in the vas deferens of the rat. Vardolov L, et al. **Arch Int Pharmacodyn Ther** 221(2):212–2, Jun 76
[Histological and histochemical studies on testis, epididymis and ductus defrens of the rooster (Gallus domesticus)] Kugler P. **Gegenbaurs Morphol Jahrb** 121(3):257–88, 1975 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effects of chemical occlusion of vas deferens on the testicular function of dog: a preliminary study. Dixit VP, et al. **Acta Eur Fertil** 6(4):348–53, Dec 75
Influence of temperature and cocaine on responses of the isolated mouse vas deferens to adrenergic amines. Buckner CK, et al. **Arch Int Pharmacodyn Ther** 216(1):19–27, Jul 75
Assessment in the guinea-pig ileum and mouse vas deferens of benzomorphans which have strong antinociceptive activity but do not substitute for morphine in the dependent monkey. Hutchinson M, et al. **Br J Pharmacol** 55(4):541–6, Dec 75
Dual effect of alpha-adrenoceptor antagonists in rat isolated vas deferens. Jurkiewicz A, et al. **Br J Pharmacol** 56(2):169–78, Feb 76
The influence of beta-adrenergic antagonists on the adrenergic responses of the rat vas deferens. Tomei LD, et al. **Can J Physiol Pharmacol** 54(03):188–99, Jun 76
Effects of a single ethanol injection into the vas deferens on the testicular function of rats. Dixit VP, et al. **Endokrinologie** 67(1):8–13, Mar 67
The effects of cocaine and diphenhydramine upon the reactivity of rat vas deferens to supramaximal doses of noradrenaline and of other agonists: the mode of action of cocaine. Pennefather JN. **Eur J Pharmacol** 35(2):333–9, Feb 76
Effect of prostaglandins, nitrofurantoin, and Escherichia coli on response of human vas deferens to norepinephrine. Hepperlen TW, et al. **Fertil Steril** 27(3):275–81, Mar 76
Effects of several catecholamine-derived tetrahydroisoquinolines on the hypogastric nerve-vas deferens preparation of the rat. Baird-Lambert J, et al. **J Pharm Pharmacol** 27(12):958–61, Dec 75
The effects of lanthanum and thulium on the mechanical responses of rat vas deferens. Swamy VC, et al. **J Physiol (Lond)** 254(1):55–62, Jan 76
Blockade of tyramine-induced responses by short-acting 2-halogenoethylamines in the rat vas deferens. Lee SS, et al. **Life Sci** 17(2):275–81, 15 Jul 75
Proceedings: Effects of debrisoquine and propranolol on nerve-mediated and noradrenaline-induced contractions of the isolated rat hypogastric nerve-vas deferens preparation. Giwa SO, et al. **West Afr J Pharmacol Drug Res** 2(1):69P, Jun 75
[Role of calcium ions in the contractile effects of acetylcholine (experiments on the guinea pig vas deferens)] Petkov V, et al. **Eksp Med Morfol** 15(1):52–7, 1976 (Eng. Abstr.) **(Bul)**
[The effects of estrogenic hormones on the vas deferens of intact and castrated adult rats] Orlandini GE, et al. **Arch Ital Anat Embriol** 79(1–2):69–98, 1974 (Eng. Abstr.) **(Ita)**
[Pharmacological studies on supersensitization. I. Dose-response relationship of cocaine-induced supersensitization in isolated vas deferens of guinea pig (author's transl)] Gomi Y, et al. **J Pharm Soc Jpn** 95(9):1043–9, Sep 75 (Eng. Abstr.) **(Jpn)**
[Pharmacological studies on supersensitization. II. Specificity of drug-induced supersensitivity of isolated vas deferens of rat (author's transl)] Gomi Y, et al. **J Pharm Soc Jpn** 96(3):326–32, Mar 76 (Eng. Abstr.) **(Jpn)**
[Proceedings: Studies of contraction mechanism of the vas deferens of guinea pigs using ganglionic stimulants] Hayashi E, et al. **Jpn Arch Intern Med** 11(4):212–3, Dec 75 **(Jpn)**
[Proceedings: Effects of methysergide on the contraction of the vas deferens in guinea pigs] Katsuragi T. **Jpn Arch Intern Med** 11(4):211, Dec 75 **(Jpn)**
[Proceedings: Differences in drug sensitivity of the prostatic portion and epididymal portion of the vas deferens of the rat] Suzuki N, et al. **Jpn Arch Intern Med** 11(4):214–5, Dec 75 **(Jpn)**
[A pharmacologic analysis of several adrenomimetic effects of serotonin] Arefolov VA, et al. **Biull Eksp Biol Med** 80(11):45–8, Nov 75 (Eng. Abstr.) **(Rus)**
[The effect of adrenotropic substances on contraction of the rat ductus deferens induced by the action of adrenaline and transmural stimulation] Berdysheva LV. **Fiziol Zh SSSR** 61(8):1197–1203, Aug 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proceedings: Changes in the MAO activity with age in the rat vas deferens. Callingham BA, et al. **Br J Pharmacol** 55(2):305P, Oct 75
The role of calcium in norepinephrine release and synthesis. pp. 61–71. Weiner N, et al. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.**

INNERVATION

Quantitative differences between sympathetic nerve terminals. Fillenz M, et al. **Brain Res** 109(3):443–54, 18 Jun 76
The effect of denervation on the synchronization of contraction of the rat vas deferens. Goto K, et al. **Eur J Pharmacol** 36(2):395–404, Apr 76
The potentiating effects of 4-aminopyridine on adrenergic transmission in the rabbit vas deferens. Johns A, et al. **Eur J Pharmacol** 38(1):71–8, Jul 76
Beta-adrenergic receptors in vas deferens of guineapigs. Deshpande VR, et al. **Indian J Exp Biol** 13(4):358–9, Jul 75
Observations on the structure and autonomic innervation of the guinea-pig seminal vesicle and ductus deferens. Al-Zuhair A, et al. **J Anat** 120(1):81–93, Sep 75

Proceedings: Studies on the autonomic innervation of the guinea-pig seminal vesicle and ductus deferens. Al-Zuhair AG, et al. **J Physiol (Lond)** 257(1):9P-11P, May 76

Proceedings: Observations on the origin of the complex mechanical response to motor nerve stimulation of the rat vas deferens. Duncan ME, et al. **J Physiol (Lond)** 259(1):54P-55P, Jul 76

The in vitro and in vivo effects of vinca alkaloids on the noradrenergic innervation of the vas deferens. Gardiner SM, et al. **Med Biol** 54(3):193-202, Jun 76

A tentative transmission mechanism for the twitch elicited in guinea-pig vas deferens by field stimulation. von Euler US, et al. **Med Hypotheses** 1(6):214-6, Nov-Dec 75

Selectivity for catecholamines of presynaptic alpha-receptors involved in feedback control of sympathetic neurotransmitter secretion in guinea-pig vas deferens. Stjärne L. **Naunyn Schmiedebergs Arch Pharmacol** 288(2-3):296-303, 1975

Pre- and post-junctional receptor-mediated cholinergic interactions with adrenergic transmission in guinea-pig vas deferens. Stjärne L.
Naunyn Schmiedebergs Arch Pharmacol 288(2-3):305-10, 1975

[Mechanism of catecholamine release from the sympathetic nerve endings, particularly in its relation tovacetylcholine an experiment on the isolated vas deferens of rats] Ueba R. **Folia Pharmacol Jpn** 72(1):127-137, 1976 (Eng. Abstr.) **(Jpn)**

[Influence of nonakhlazin on adrenergic neurotransmission in the vas deferens of rats] Arefolov VA, et al.
Biull Eksp Biol Med 80(9):50-3, Sep 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Active transport of 3H-bretylium in the rat vas deferens in vitro. Ross SB, et al. **Acta Physiol Scand** 97(2):209-21, Jun 76

Uptake of and response to norepinephrine by certain tissues of hypertensive rats. LeLorier J, et al. **Am J Physiol** 230(6):1545-9, Jun 76

Inhibition by cyclopropane of release od norepinephrine, but not dopamine-beta-hydroxylase, from the guinea-pig vas deferens. Roizen MF, et al. **Anesthesiology** 44(1):54-6, Jan 76

Formation of dopamine and noradrenaline in rat vas deferens: comparison with guinea-pig vas deferens. Boadle-Biber MC, et al. **Br J Pharmacol** 55(1):73-8, Sep 75

The uptake of tritiated delta 1-tetrahydrocannabinol by the isolated vas deferens of the rat. Egan SM, et al.
Br J Pharmacol 56(4):413-6, Apr 76

Proceedings: Is morphine inhibition to the twitch response of the mouse vas deferens mediated via noradrenaline? Jenkins DA, et al. **Br J Pharmacol** 55(2):267P-268P, Oct 75

Effect of sexual maturation and androgens on prostaglandin levels in tissues of the male reproductive system in mice. Badr FM. **Endocrinology** 98(6):1523-7, Jun 76

The effect of pretreatment with 6-hydroxydopamine on the norepinephrine concentration and sensitivity of the rat vas deferens. Westfall DP, et al. **Eur J Pharmacol** 33(2):413-7, Sep-Oct 75

Critical comment on the 'trophic' influence of the effector organ on the sympathetic nerves of the male sex accessories of the guinea-pig. Sjöstrand NO. **Experientia** 31(12):1428-9, 15 Dec 75

Does hormone transfer along the vasa deferentia contribute to the control of prostatic function and could it be a factor in the etiology of prostatic hyperplasia? pp. 517-29. Pierrepoint CG.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Further studies on the enhancement of norepinephrine synthesis during nerve stimulation. pp. 343-51. Weiner N, et al.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Lack of effects of testosterone on norepinephrine turnover and tyrosine hydroxylase activity of the rat vas deferens and epididymis. Cardinali DP, et al. **Int J Fertil** (2):114-8, 1976

Proceedings: Production of prostaglandin-like substances in vitro by the ductus deferens of the mouse. Marley PB, et al. **J Reprod Fertil** 46(2):508, Mar 76

The effect of denervation upon the in vitro incorporation of adenosine-8-3H into 3H-adenine nucleotides in the guinea-pig vas deferens. Rowe JN, et al. **Pharmacology** 14(3):193-204, 1976

Characterization of the androgen receptor from a Syrian hamster ductus deferens tumor cell line (DDT1). Norris JS, et al. **Science** 192(4242):898-900, 28 May 76

[Influence of denervation on metabolism of phospholipid in the rat vas deferens] Yamada K, et al.
Folia Pharmacol Jpn 72(1):71-5, 1976 (Eng. Abstr.) **(Jpn)**

[The effect of adrenoblockaders on the rate of H3-catecholamine synthesis and uptake in the rat seminal duct] Manukhin BN, et al. **Fiziol Zh SSSR** 61(4):569-76, Apr 75 (Eng. Abstr.) **(Rus)**

[Several pattern in the synthesis and uptake of H3-catecholamines by isolated rat vas deferens] Volina EV, et al. **Fiziol Zh SSSR** 61(7):1016-22, Jun 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Testosterone. pp. 209-17.
In: Evaluation of the carcinogenic risk of chemicals to man. Stockholm, Karolinska Institutets, 1974. (17 ref.)

PHYSIOLOGY

On the transportation of spermatozoa in the vas deferens. Kimura Y, et al. **Andrologia** 7(1):55-61, 1975

Adaptations of the male reproductive tract and the fate of spermatozoa following vasectomy in the rabbit, rhesus monkey, hamster and rat. Bedford JM. **Biol Reprod** 14(2):118-42, Mar 76

An electrophysiological analysis of the effect of Ca ions on neuromuscular transmission in the mouse vas deferens. Bennett MR, et al. **Br J Pharmacol** 55(1):97-104, Sep 75

The effects of lysergic acid diethylamide on the response to field stimulation of the rat vas deferens and the rat and cat anococcygeus muscles. Gillespie JS, et al.
Br J Pharmacol 54(4):481-8, Aug 75

An inhibitory effect of atropine on responses of the vas deferens of the mouse to field stimulation. Jones ME, et al. **Br J Pharmacol** 54(3):339-49, Jul 75

Proceedings: Induced receptors for noradrenaline and serotonin in guinea-pig vas deferens. Reiffenstein RJ, et al. **Br J Pharmacol** 55(2):302P, Oct 75

Postjunctional supersensitivity of the rat vas deferens and gap junctions. Paton DM, et al.
Can J Physiol Pharmacol 54(03):412-6, Jun 76

Effect of rubidium on responses of rabbit vas deferens to transmural stimulation and to noradrenaline. Johns A, et al. **Eur J Pharmacol** 35(1):145-50, Jan 76

Electrophysiological correlations with postjunctional supersensitivity. Fleming WW, et al. **Fed Proc** 34(10):1981-4, Sep 75

Morphological and biochemical changes in supersensitive smooth muscle. Westfall DP, et al. **Fed Proc** 34(10):1985-9, Sep 75

Membrane potential and supersensitivity in the vas deferens. pp. 107-9. Fleming WW, et al.
In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.2.

Biologic and immunologic consequences of vasectomy. pp. 291-302. Ansbacher R.
In: Moghissi KS, Evans TN, ed. Regulation of human fertility. Detroit, Wayne State Univ Press, 1976. W3 HA292 1973r.

Male sterilization - basic science aspects. pp. 235-47. Ventura W.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

The effect of propranolol on sympathetic nerve stimulation in isolated vasa deferentia. Hughes IE, et al.
J Pharm Pharmacol 28(3):200-5, Mar 76

The relation between stimulus frequency and the relative size of the components of the biphasic response of the vas deferens to electrical stimulation at different temperatures. Birmingham AT, et al. **J Physiol (Lond)** 256(3):747-59, Apr 76

Proceedings: Is noradrenaline the motor transmitter in the mouse vas deferens? Jenkins DA, et al.
J Physiol (Lond) 254(1):49P-50P, Jan 76

Examination of the hypothesis that a direct control system exists for the prostate and seminal vesicles. Pierrepoint CG, et al. **J Reprod Fertil** 44(2):395-409, Aug 75 (39 ref.)

Mechanics of spermatic fluid transport in the vas deferens. Guha SK, et al. **Med Biol Eng** 13(4):518-22, Jul 75

[Antagonism of guanethidine action and the others blocking agents by diphenychydramine, imipramine and dextroamphetamine in illation with human hypertension (author's transl)] García Rodríguez M.
Arch Farmacol Toxicol 1(3):269-76, Dec 75 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Some thoughts on the use of deferentovesiculography (DVG). pp. 539-44. Giannotti P, et al.
In: Mancini RE, Martini L, ed. Male fertility and sterility. London, Academic Press, 1974. W3 PR945R v.5 1974.

SECRETION

Relationship between the oncornavirus gene product gp70 and a major protein secretion of the mouse genital tract. Del Villano BC, et al. **Nature** 259(5543):497-9, 12 Feb 76

SURGERY

Vasocystostomy, a new technique of sperm output measurement. Kort WJ, et al. **Eur Surg Res** 7(4-5):297-304, 1975

Vaso-epididymal anastomosis. Kar JK, et al. **Fertil Steril** 26(8):743-56, Aug 75

Vasectomy and vasovasostomy. II. A comparison of two methods of vasovasostomy: silastic versus chromic stents. Urry RL, et al. **Fertil Steril** 27(8):945-50, Aug 76

Male new technique. Current status of reversible vas occlusion. pp. 76-85. Lee HY.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.

New studies with intravasal devices. The soft valve. Brueschke EE, et al. **Invest Urol** 13(5):359-65, Mar 76

Comparison of polypropylene and polyglycolic acid suture in experimental vasovasostomy. Shelor WC Jr, et al.
Invest Urol 13(3):223-6, Nov 75

Stented vasovasotomy. Simplified technique. MacDonald GR Jr, et al. **Urology** 7(2):200-1, Feb 76

[Microsurgery of the vas deferens. Experimental study] Castro Ferreira M, et al. **Rev Assoc Med Bras** 21(8):243-4, Aug 75 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Fine structure of the rabbit epididymis and vas deferens after vasectomy. Flickinger CJ. **Biol Reprod** 13(1):50-60, Aug 76

The ultrastructure of the ductus deferens in man. Hoffer AP. **Biol Reprod** 14(4):425-43, May 76

Letters to the editor: Chelated bismuth as a stain in electron microscopy. Barrett JM, et al. **J Histochem Cytochem** 23(10):780-3, Oct 75

Binding of [3H]dihydroazapetine to alpha-adrenoreceptor-related proteins from rat vas deferens. Ruffolo RR Jr, et al.
Proc Natl Acad Sci USA 73(8):2730-4, Aug 76

The fine structure of the vas deferens epithelium of man. Orlandini GE. **Verh Anat Ges** 68:213-8, 1974

[Freeze-etching picture of the ductus deferens epithelium with special reference to epithelial cell contacts] Dermietzel R, et al. **Verh Anat Ges** 68:219-29, 1974 (Eng. Abstr.) **(Ger)**

VASA NERVORUM see under **BLOOD VESSELS**

VASA VASORUM

ANATOMY & HISTOLOGY

[Intravital study of the vasa vasorum by the transmural vasoscopy method] Bocharov VIa.
Arkh Anat Gistol Embriol 68(5):43-7, May 75 (Eng. Abstr.) **(Rus)**

[Structure of the circulatory bed in the walls of arteries of the elastic type in elderly and aged persons] Mikhalev AP.
Arkh Anat Gistol Embriol 69(8):30-6, Aug 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Number and area of vasa vasorum of aortic adventitia in atherosclerosis (author's transl)] Lusztig G, et al.
Zentralbl Allg Pathol 118(5):463-6, 1974 (Eng. Abstr.) **(Ger)**

VASCULAR DISEASES

Vasculitis syndromes: clinical and experimental models. Christian CL, et al. **Am J Med** 61(3):385-92, Sep 76 (42 ref.)

Unilateral painful vasospasm in the lower limbs of young women. Huygens HJ. **Aust NZ J Surg** 45(2):147-51, May 75

Lymphomatoid granulomatosis. Macdonald DM, et al.
Clin Exp Dermatol 1(2):163-73, Jun 76

Vasculitis. Roenigk HH Jr. **Int J Dermatol** 15(6):395-404, Jul-Aug 76 (16 ref.)

Pathological veins in the orbit. Lloyd GA.
Mod Probl Ophthalmol 14:131-5, 1975

So-called 'central retinal vein occlusion'. I. Pathogenesis, terminology, clinical features. Hayreh SS.
Ophthalmologica 172(1):1-13, 1976

So-called 'central retinal vein occlusion'. II. Venous stasis retinopathy. Hayreh SS. **Ophthalmologica** 172(1):14-37, 1976

Geographic patterns of immunity and vascular disease. Dutz W, et al. **Pathol Microbiol (Basel)** 43(2-O):173-81, 1975

[Additions and corrections to the 1974 membership list, Société francaise de phlébologie] **Phlebologie** 28(1):XXV-XXVII, Jan-Mar 75 **(Fre)**

[Calcinoses of the leg] Merlen JF. **Phlebologie** 28(4):531-5, Oct-Dec 75 (Eng. Abstr.) **(Fre)**

[Modeling microcirculatory disorders using an ultraviolet laser] Chernukh AM, et al. **Biull Eksp Biol Med** 81(1):16-9, Jan 76 (Eng. Abstr.) **(Rus)**

[Certain manifestations of vascular dystonia in electrical welders] Navakatikian AO, et al. **Vrach Delo** (5):124-8, May 75 (Eng. Abstr.) **(Rus)**

BLOOD

Relationship of plasma uric acid to plasma lipids and lipoproteins in subjects with peripheral vascular disease. Ballantyne D, et al. **Clin Chim Acta** 70(2):323-8, 15 Jul 76

Dowling oration 1975. Fibrinolysis and vasculitis. Cunliffe WJ. **Clin Exp Dermatol** 1(1):1-16, Mar 76 (70 ref.)

Insulin response to oral glucose in patients with a previous myocardial infarction and in patients with peripheral vascular disease. Hyperinsulinism and its relationships to hypertriglyceridemia and overweight. Sorge F, et al.
Diabetes 25(7):586-94, Jul 76

Vascular disease. Zieve PD, et al.
Major Probl Intern Med 10:16-23, 1976 (10 ref.)

[Comparative studies on fibrinolytic activity in healthy subjects and patients with arterial and venous vascular disorders] Scharrer I, et al. **Verh Dtsch Ges Inn Med** 81:1150-2, 1975 **(Ger)**

[Changes in blood lipid levels after the lipid tolerance test

in patients with vascular diseases] Miti L, et al. **Minerva Med** 66(65):3406–27, 3 Oct 75 **(Ita)**

[State of the blood coagulation system in patients with dermal and hypodermal vasculitis] Gol'denberg IS. **Vestn Dermatol Venerol** (2):45–8, Feb 74 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Letter: Vasculitis as a complication of high-dose methotrexate in the treatment of acute leukemia. Lanzkowsky P, et al. **Am J Dis Child** 130(6):675, Jun 76

Letter: Oxytocin-induced venous spasm? Plumer MH. **Anesthesiology** 44(1):87–8, Jan 76

An unusual allergic reaction in a vein following intravenous adriamycin. Ostrowski MJ. **Clin Oncol** 2(2):179–80, Jun 76

Capillary abnormalities in polyvinyl chloride production workers. Examination by in vivo microscopy. Maricq HR, et al. **JAMA** 236(12):1368–71, 20 Sep 76

Iatrogenic ergot vasospastic angiitis. A case report. Kapoor OP. **Vasc Surg** 10(1):58–60, Jan–Feb 76

[Peripheral circulatory disorders and acrocyanosis in arsenic exposed Moselle wine-growers] Grobe VJ. **Berufsdermatosen** 24(3):78–84, Jun 76 (Eng. Abstr.) **(Ger)**

[Drug-induced lesions to the arterial and venous wall] Weber E. **Med Welt** 27(15):702–6, 9 Apr 76 **(Ger)**

[Plasma catecholamine content in chronic carbon disulfide poisoning proceeding with autonomic vascular crises] Tereshchenko IuA, et al. **Gig Tr Prof Zabol** (2):23–7, Feb 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

The spectrum of systemic vasculitis: a classification to aid diagnosis. deShazo RD. **Postgrad Med** 58(4):78–82, Oct 75 (8 ref.)

COMPLICATIONS

Metabolic and cardiovascular abnormalities in patients with peripheral arterial disease. Vyden JK, et al. **Am Heart J** 90(6):703–8, Dec 75

Pulmonary vascular disease in systemic lupus erythematosus. Fayemi AO. **Am J Clin Pathol** 65(3):284–90, Mar 76

Cogan's syndrome: a systemic vasculitis. Cheson BD, et al. **Am J Med** 60(4):549–55, Apr 76

Polyneuropathy and anasarca: evidence for a new connective-tissue syndrome and vasculopathic contribution. Trentham DE, et al. **Ann Intern Med** 84(3):271–4, Mar 76

Microcirculation disorders in systemic connective tissue diseases. Guseva NG, et al. **Bibl Anat** 13:353–4, 1975

Painful bruising syndrome with vasculitis treated by plasmapheresis. Kennedy C, et al. **Br J Dermatol** 95 Suppl 24:65–6, Jul 76

Hypersensitive and insensitive extremities. The dermatological aspects. Moschella SL. **Br J Dermatol** 93(2):151–8, Aug 75

Erythroderma and vasculitis. Vollum DI. **Br J Dermatol** 95 Suppl 24:74, Jul 76

Letter: Incompressible vessels. Klenerman L, et al. **Lancet** 1(7963):811–2, 10 Apr 76

Clinical sign of obstructed axoplasmic transport. McLeod D. **Lancet** 2(7942):954–6, 15 Nov 75

Diffuse vasculitis, eosinophilia, and elevated antibody titre to measles virus. Bucknall RC, et al. **Postgrad Med J** 52(607):297–303, May 76

The prevalence of hyperlipoproteinaemia in vascular disease. Lawrie TD, et al. **Postgrad Med J** 51(8):7–15, 1975

Angina heralding valvular or congenital heart disease or non-cardiac vascular disease. Carlson RG, et al. **Wis Med J** 75(3):19–24, Mar 76

[The development of microangiopathic hemolytic anemia in the model of a transplantable hemangioendothelioma of the J 129 mouse (author's transl)] Klein PJ, et al. **Beitr Pathol** 155(4):379–97, Aug 75 (Eng. Abstr.) **(Ger)**

[Cogan's syndrome with angitis of cranial nerves, aortitis, endocarditis, and glomerulonephritis (author's transl)] Bernhardt D, et al. **Dtsch Med Wochenschr** 101(10):373–7, 5 Mar 76 (Eng. Abstr.) **(Ger)**

[The bilateral cuff-shaped venous-congestion ossification in the thigh] Frössler H, et al. **God Zb Med Fak Skopje** 124(5):496–8, May 76 **(Ger)**

[Circulatory changes and vascular complications in pelvic fractures] Andrasina J, et al. **Hefte Unfallheilkd** (124):317–8, 1975 **(Ger)**

[Anticoagulation in microangiopathies] Linke H. **Med Welt** 26(46):2090–1, 14 Nov 75 **(Ger)**

[Microangiopathic hemolytic anemia and consumption coagulopathy with metastasizing gastric carcinoma (author's transl)] Mende S, et al. **Munch Med Wochenschr** 118(10):303–6, 5 Mar 76 (Eng. Abstr.) **(Ger)**

[Pain in the lower extremities due to vascular diseases (author's transl)] Bollinger A. **Praxis** 64(43):1383–6, 28 Oct 75 (Eng. Abstr.) **(Ger)**

[Ureteral obstruction caused by the right ovarian vein (author's transl)] Günther E, et al. **Radiologe** 15(7):297–300, Jul 75 (Eng. Abstr.) **(Ger)**

[Vasculitis nodularis with participation of inner organs] Mühlberg H, et al. **Z Gesamte Inn Med** 30(6):260–4, 15 Mar 75 (Eng. Abstr.) **(Ger)**

[Porphyria cutanea tarda, vasculitis allergica, diabetes mellitus] Gutschmidt E. **Z Hautkr** 50(19):838, 1 Oct 75 **(Ger)**

[Obliterating changes of pulmonary veins as the cause of pulmonary hypertension] Hagel KJ, et al. **Z Kardiol** 64(10):945–58, Oct 75 (Eng. Abstr.) **(Ger)**

[Osteoporosis — due to reduced blood circulation of bone (author's transl)] Fricke M, et al. **Z Orthop** 113(6):1043–50, Dec 75 (Eng. Abstr.) **(Ger)**

[Morphological analysis of clinically unrecognized vasogenic spinal cord lesions] Markiewicz D, et al. **Neurol Neurochir Pol** 10(3):305–13, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Etiopathogenetic considerations and therapeutic possibilities in auricular noises of vascular origin] Miloşescu P. **Rev Chir [Otorinolaringol]** 20(3):189–98, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Vasomotor disorders in patients with multiple sclerosis] Ionescu M. **Rev Med Intern [Neurol Psihiatr]** 20(1):29–32, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Role of vascular tonus of the limbs in the pathogenesis of deforming arthrosis and use of this factor in disability evaluation and rehabilitation] Zabolotnykh II, et al. **Vopr Revm** 00(02):17–21, Apr–Jun 76 (Eng. Abstr.) **(Rus)**

[Blood coagulation and fibrinolysis in patients with arterioslcerotic cardiosclerosis complicated by chronic circulatory insufficiency] Mamedov MB. **Vrach Delo** (11):12–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Combined cerebral and spinal circulatory disorders] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 16(1):29–32, 1976 (Eng. Abstr.) **(Rus)**

CONGENITAL

Neuroradiologic aspects of angiodysplasias in infants. pp. 276–81. Picard L, et al.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

DIAGNOSIS

Pulmonary venoocclusive disease. Chawla SK, et al. **Ann Thorac Surg** 22(3):249–53, Sep 76

Multichannel, direction-resolving Doppler angiography. pp. 153–9. Fish PJ.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.

A cause of erroneous diagnosis of pigmented villonodular synovitis. Burnett RA. **J Clin Pathol** 29(1):17–21, Jan 76

Transcatheter biopsy of renal carcinoma invading the inferior vena cava. Wendth AJ Jr, et al. **J Urol** 115(3):331–2, Mar 76

Diagnosis of orbital vascular disorders by ophthalmodynamography and echo-orbitography. Bettelheim H, et al. **Mod Probl Ophthalmol** 14:299–304, 1975

13N-ammonia test and urea index in a patient with splenic vein obstruction and cirrhosis of the liver. Hazenberg HJ, et al. **Neth J Med** 19(3):127–34, 1976

Radioactive tracers in peripheral vascular disease. Siegel ME, et al. **Semin Nucl Med** 6(3):253–78, Jul 76 (79 ref.)

Doppler ultrasound in the diagnosis of peripheral vascular disease. Felix WR Jr, et al. **Semin Roentgenol** 10(4):315–21, Oct 75 (35 ref.)

Vascular laboratory criteria for the management of peripheral vascular disease of the lower extremities. Raines JK, et al. **Surgery** 79(1):21–9, Jan 76

[Electroretinographic alterations in recent occlusions of blood vessels in the ocular fundus] Balik J. **Cesk Oftalmol** 31(6):417–22, Nov 75 (Eng. Abstr.) **(Cze)**

[Vascular visualization] pp. 115–21. Bournat JP.
In: Peronneau P, ed. Velocimetrie ultrasonore Doppler. Paris, INSERM, 1975. WG 106 V443 1974. (Eng. Abstr.) **(Fre)**

[Comparison of the various functional tests in the diagnosis and treatment of arterial diseases of the lower extremities] Lemaire R, et al. **Sem Hop Ther** 50(10):657–60, Dec 74 **(Fre)**

[Use of muscle aspiration biopsy needle for diagnostic purposes] Goebel FD, et al. **Dtsch Med Wochenschr** 101(24):930, 11 Jun 76 (Eng. Abstr.) **(Ger)**

[Possibilities and limitations of electronic oscillography] König FK. **Med Welt** 27(5):197–204, 30 Jan 76 **(Ger)**

[Ophthalmologic examination methods in malignant hypertension and microangiopathies] Lieb W, et al. **Med Welt** 26(46):2087–9, 14 Nov 75 **(Ger)**

[Phonoangiography, phlebography and measurement of venous pressure for an objective evaluation of vascular compression symptoms in the shoulder region] Hehne HJ, et al. **Vasa** 4(3):258–62, 1975 **(Ger)**

[Differential diagnosis and therapy of circulation disorders of the spinal cord] Reisner H. **Wien Med Wochenschr** 125(18–20):284–7, 2 May 75 **(Ger)**

[Blood circulation disorders. II. Investigation of venous circulation in the extremities with closed vein plethysmography] Hackel F. **Z Aerztl Fortbild (Jena)** 69(18):984–7, 15 Sep 75 **(Ger)**

[Screening and early diagnosis of disorders of the arterial blood supply] Heine H, et al. **Z Gesamte Inn Med** 30(14):113–5, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[Directional Doppler ultrasonography (DDS): theoretical bases and clinical methods] Nappi G, et al. **Boll Soc Ital Biol Sper** 51(15–16):922–8, 30 Aug 75 **(Ita)**

[Use the modified of Doppler's method (ultrasonic echometer) in the study of vascular diseases] Garbini GC, et al. **Boll Soc Ital Cardiol** 19(3):253–63, 1974 (Eng. Abstr.) **(Ita)**

[Instrumental diagnosis of deep venous obstructions in the lower limb. II. Test of maximal venous flow] Polto F, et al. **Chir Patol Sper** 23(4):252–66, Aug 75 (Eng. Abstr.) **(Ita)**

[Polycardiographic studies in the assessment of the cardiovascular system in cor pulmonale syndrome in children] Szafjański B, et al. **Pediatr Pol** 51(7):793–802, 1976 (Eng. Abstr.) **(Pol)**

[Pulmonary circulation disorders based on routine radiographic studies and scintiscanning] Dżurak W, et al. **Wiad Lek** 29(13):1137–43, 1 Jul 76 (Eng. Abstr.) **(Pol)**

[Diagnosis of disorders of the peripheral circulation in the immediate postoperative period in children with urologic diseases] Derzhavin VM, et al. **Urol Nefrol (Mosk)** (3):31–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Concerning the article 'In defense of clinical angiology'] Alekseev PP. **Vestn Khir** 114(9):113–4, Sep 75 **(Rus)**

[Possibilities of stereoscopic fluorescence microangiography in the early diagnosis of pathology of the iridic vessels in patients with diabetes] Pureskin NP. **Vestn Oftalmol** (1):41–3, 1976 (Eng. Abstr.) **(Rus)**

[Certain clinical variants of vascular lesions in rheumatism] Vinogradov NI. **Vrach Delo** (7):86–9, Jul 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Administration of interferon to an infant with congenital rubella syndrome involving persistent viremia and cutaneous vasculitis. Larsson A, et al. **Acta Paediatr Scand** 65(1):105–10, Jan 76

Vasodilator drugs in peripheral vascular disease. Coffman JD. **Am J Hosp Pharm** 32(12):1276–81, Dec 75 (59 ref.)

Editorial: Peripheral vasodilators. Miller RR, et al. **Am J Hosp Pharm** 32(12):1231–2, Dec 75

Treatment of erythema nodosum and nodular vasculitis with potassium iodide. Schulz EJ, et al. **Br J Dermatol** 94(1):75–8, Jan 76

Letter: Trental and peripheral vascular disease. Barnes AJ. **Br Med J** 1(6007):455, 21 Feb 76

Streptokinase in central retinal vein occlusion: a controlled clinical trial. Kohner EM, et al. **Br Med J** 1(6009):550–3, 6 Mar 76

Trials of 3,7-dimethyl-1-(5-oxohexyl) xanthine (BL 191) in double-blind tests. Buckert D, et al. **Farmaco [Prat]** 31(5):264–74, May 76

Clinical and laboratory double-blind investigation of fibrinolytic therapy of cutaneous vasculitis. pp. 325–33. Cunliffe WJ, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Vasodilator drugs in peripheral vascular disease. Coffman JD. **J Maine Med Assoc** 66(10):262–9, Oct 75 (59 ref.)

Successful treatment of acute vascular insufficiency in a hand by intra-arterial fibrinolysin, heparin, and reserpine. Case report. Serafin D, et al. **Plast Reconstr Surg** 58(4):506–9, Oct 76

Xanthinol nicotinate in peripheral vascular disease. Davis E, et al. **Practitioner** 215(1290):793–8, Dec 75

[Therapeutic effect of CO2 injected sub-cutaneously in arteriopathies of the limbs. Experimental research (author's transl)] Ambrosi C, et al. **Ann Cardiol Angeiol (Paris)** 25(2):93–8, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Clinical trial of fenoxedil in peripheral artery diseases] Warembourg H, et al. **Lille Med** 21(1 suppl 1):4–7, Jan 76 (Eng. Abstr.) **(Fre)**

[Letter: Duration of anticoagulant time in vascular diseases] Schoop W. **Dtsch Med Wochenschr** 100(40):2058, 3 Oct 75 **(Ger)**

[Drug therapy of venopathies] Esser W. **Fortschr Med** 93(30):1506–7, 23 Oct 75 **(Ger)**

[Possibilities of a rheologic therapy of microangiopathies] Ehrly AM. **Med Welt** 26(46):2092–3, 14 Nov 75 **(Ger)**

[Effect of heparin, aggregation inhibitors and vasoactive substances on chronic-obliterative vascular diseases] Wenzel E, et al. **Med Welt** 27(25):1242–7, 18 Jun 76 **(Ger)**

[Venous diseases. Controlled study using an antivaricose preparation Bayro-Vas] Wolf W, et al. **Med Welt** 26(17):831–4, 25 Apr 75 **(Ger)**

[Effect of vasodilator agents on oral glucose tolerance and serum insulin in intravenous long-term treatment of blood circulation disorders involving peripheral arteries] Heidrich H, et al. **Verh Dtsch Ges Inn Med** 81:1496–7, 1975 **(Ger)**

[The treatment of vascular diseases with a magnesium containing drug (Progresin)] Straube G. **Z Allgemeinmed** 51(9):450–5, 27 Mar 75 **(Ger)**

[Immunosuppressive treatment in autoimmune vasculities] Nelius D. **Z Gesamte Inn Med** 30(24):274–5, 15 Dec 75 (Eng. Abstr.) **(Ger)**

[Changes in the peripheral circulation pharmacologically induced with a combination based on isosorbide dinitrate and prenylamine-theophylline acetate] Morgagni W, et al. **G Clin Med** 55(12):865–79, Dec 74 (Eng. Abstr.) **(Ita)**

[Clinical considerations on the use of a drug with vasodilating hemokinetic action in cerebral and peripheral vascular diseases] Florio F, et al. **Minerva Cardioangiol** 24(2):161–70, Feb 76 (Eng. Abstr.) **(Ita)**

[Current problems in the pharmacotherapy of vascular diseases] Cahn J. **Minerva Med** 67(25):1621–7, 19 May 76 **(Ita)**

[Report on the use of piribedil in vascular and hemorrhagic disease of the posterior pole of the eyeball] De Molfetta V, et al. **Minerva Med** 67(26):1696–7, 26 May 76 **(Ita)**

[Controlled clinical study on the activity and tolerance of Trivastan] Nicrosini F, et al. **Minerva Med** 67(26):1745–50, 26 May 76 **(Ita)**

[Therapeutic use of piribedil in vascular diseases of the eye] Solé P, et al. **Minerva Med** 67(26):1689–95, 26 May 76 **(Ita)**

[Clinical use of decalcinated gelatinol] Klement AA, et al. **Probl Gematol Pereliv Krovi** 20(11):33–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Intra-arterial enzyme therapy of suppurative and inflammatory diseases of the limbs] Baziian RA. **Zh Eksp Klin Med** 15(3):58–63, 1975 **(Rus)**

ETIOLOGY

Extremity necrosis caused by indwelling arterial catheters. Johnson FE, et al. **Am J Surg** 131(3):375–9, Mar 76

Letter: Nodular vasculitis of tuberculous origin in an elderly woman. Bartsokas SK, et al. **Br Med J** 1(6025):1592, 26 Jun 76

Rupture of major vessels after radiation. Fajardo LF, et al. **Cancer** 36(3):904–13, Sep 75

Letter: Vascular orthopedic problems: cause of malpractice suits. Miller DS. **Int Surg** 61(5):278, May 76

Etiology of venous disorders. Osman AA. **Int Surg** 60(10):540–3, Oct 75

Transient protein-losing enteropathy secondary to elevated caval pressures and caval obstruction after the Mustard procedure. Moodie DS, et al. **J Thorac Cardiovasc Surg** 72(3):379–82, Sep 76

Vascular complications in human renal transplantation. Vidne BA, et al. **Surgery** 79(1):77–81, Jan 76

[Essential IgG–IgM cryoglobulinemia, microangiopathy and transient deficiency in reduction of Nitroblue Tetrazolium (NBT) by neutrophil granulocytes] Jelić S, et al. **Acta Med Iugosl** 30(2):173–89, Mar 76 (Eng. Abstr.) **(Cro)**

[Vascular complications of chronic pancreatitis (author's transl)] Cinqualbre J, et al. **Ann Chir** 30(2):107–15, Feb 76 (Eng. Abstr.) **(Fre)**

[Vascular complications of systemic elastorrhexis] Grison D, et al. **Chirurgie** 102(6):440–8, Jun 76 (Eng. Abstr.) **(Fre)**

[Arteriography of Tyrolo-bavarian alveolar echnococcosis] Bessot M, et al. **Med Chir Dig** 4(1):39–44, 1975 **(Fre)**

[Bilateral marked fundus changes with neovascularisation and subsequent detachment in association with thrombocythaemia (author's transl)] Boergen KP, et al. **Klin Monatsbl Augenheilkd** 168(02):190–4, Feb 76 (Eng. Abstr.) **(Ger)**

[The effect of the argon laser on the vessels, the macro- and microcirculation of the mucosa of the hamster cheek-pouch. An intravitalmicroscopic study (author's transl)] Lenz H, et al. **Laryngol Rhinol Otol (Stuttg)** 54(7):612–9, Jul 75 (Eng. Abstr.) **(Ger)**

[Nonocclusive mesenteric vascular disease following atrio-ventricular block and pacemaker treatment. Gangrene of small and large bowel with occlusion of inferieor mesenteric artery (author's transl)] Meissner K, et al. **Thoraxchirurgie** 23(6):584–6, Dec 75 (Eng. Abstr.) **(Ger)**

[Detection of complement-fixing antibodies against Coxiella burnetii in 23 patients with angiopathies] Nuzzolo L, et al. **Boll Soc Ital Biol Sper** 52(4):238–41, 28 Feb 76 **(Ita)**

[Description of a case of polymorphous, diffuse angiopathy with a high titer of microagglutinating antibodies against Neorickettsia Q 18, in a patient with an aneurysm of the abdominal aorta] Zardi O, et al. **Boll Soc Ital Biol Sper** 52(4):232–7, 28 Feb 76 **(Ita)**

[Rheumatoid disease, pancreas and salivary glands] Grimaldi MG, et al. **Reumatismo** 26(4):234–46, Oct–Dec 74 (Eng. Abstr.) **(Ita)**

[Effect of prolonged intermittent action of cold and heat on the development of vasomotor disorders of the hand] Mackiewicz Z. **Pol Przegl Chir** 47(9):1109–16, Sep 75 (Eng. Abstr.) **(Pol)**

[Vascular changes in rheumatoid arthritis] Kubasik A, et al. **Wiad Lek** 28(17):1481–5, 1 Sep 75 (Eng. Abstr.) **(Pol)**

[Venous vascular changes in prostatic adenomyomatosis] Kótay P, et al. **Rev Chir [Chir]** 24(4):297–303, Jul–Aug 75 (Eng. Abstr.) **(Rum)**

[Disorders of microcirculation in traumatic atelectasis] Esipova IK, et al. **Eksp Khir Anesteziol** (5):17–20, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Pathogenesis of vascular disorders in systemic lupus erythematosus] Isaeva LA, et al. **Pediatriia** (9):69–72, Sep 75 **(Rus)**

[Neural and vascular system functional disorders in epidermophytosis patients] Loĭko EV. **Voen Med Zh** (8):43–4, Aug 75 **(Rus)**

[Generalized phlebectasia of the subcutaneous veins after severe electric injury] Grigor'iants GS. **Zdravookhr Kirg** (2):57–8, Mar–Apr 75 **(Rus)**

[Paralymphomatous microangiopathies] Valdés EF, et al. **Rev Clin Esp** 137(6):543–7, 30 Jun 75 (Eng. Abstr.) **(Spa)**

[Studies on the etiologic mechanism of traumatic vasospasm] Hyvärinen J, et al. **Lakartidningen** 73(24):2272, 9 Jun 76 **(Swe)**

[Vibration damage among miners] St Clair Renard KG. **Lakartidningen** 73(24):2273–4, 9 Jun 76 **(Swe)**

FAMILIAL & GENETIC

Simultaneous vasculitis in a mother and newborn infant. Miller JJ 3d, et al. **J Pediatr** 87(3):443–5, Sep 75

HISTORY

Introductory lecture (Askanazy lecture). Some remarks on the history of arterial pathology. Koelbing HM. **Pathol Microbiol (Basel)** 43(2–3):85–92, 1975

[Phlebology of yesterday and today. Historical indtroduction] Donadi GC. **Angiologia** 27(6):298–302, Nov–Dec 75 **(Spa)**

IMMUNOLOGY

Deficiency of the second component of complement (C2) with chronic vasculitis. Friend P, et al. **Ann Intern Med** 83(6):813–6, Dec 75

Immunofluorescent investigations in cutaneous vasculitis. I. Histotopical demonstration of complement/complement factors. Weidner F. **Arch Dermatol Res** 253(3):249–59, 29 Oct 75

Immunofluorescent investigations in cutaneous vasculitis. II. Histotopical demonstration of IgD and fibrin. Weidner F. **Arch Dermatol Res** 254(2):215–24, 10 Dec 75

Necrotizing vasculitis: a circulating immune complex producing inflammatory skin lesions. Jones JV, et al. **Br J Dermatol** 94(2):123–30, Feb 76

Enhanced uptake by guinea-pig macrophages of radio-iodinated human aggregated immunoglobulin G in the presence of sera from rheumatoid patients with cutaneous vasculitis. Onyewotu II, et al. **Clin Exp Immunol** 19(2):267–80, Feb 75

Cryoimmunoglobulinemia in rheumatoid arthritis. Significance in serum of patients with rheumatoid vasculitis. Weisman M, et al. **J Clin Invest** 56(3):725–39, Sep 75

Immunologic mechanisms in systemic vasculitis. Conn DL, et al. **Mayo Clin Proc** 51(8):511–8, AUG 76

Clinical and immunological aspects of cutaneous vasculitis. Cream JJ. **Q J Med** 45(178):255–76, Apr 76

[Immunovasculitis— differential diagnosis and therapy of inflammatory systemic diseases] Faust G, et al. **Med Welt** 27(26):1310–4, 25 Jun 76 (83 ref.) **(Ger)**

[Editorial: Autoimmune mechanisms in vascular diseases] Adar R. **Harefuah** 89(2):94–6, 15 Jul 75 **(Heb)**

METABOLISM

[Determination of enzymes and catabolic products of connective tissue metabolism and their significance for the diagnosis of venous diseases] Schlebusch H, et al. **Arch Gynaekol** 219(1–4):545–7, 18 Nov 75 **(Ger)**

MORTALITY

Importance of sex and estrogens in amelioration of lethal circulatory stress reactions: relationship to microcirculatory and reticuloendothelial system function. Altura BM. **Adv Exp Med Biol** 67(00):289–312, 1976

OCCURRENCE

A twenty year survey of arterial complications of renal transplantation. Goldman MH, et al. **Surg Gynecol Obstet** 141(5):758–60, Nov 75

[Incidence of vasoneuroses and teleangiectasias in patients with peptic ulceration and in healthy subjects (author's transl)] Kotouš J, et al. **Cesk Gastroenterol Vyz** 30(4):185–90, Jun 76 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Structural analysis of pulmonary vascular changes in a case of infantile calcifying arteriopathy. Müller KM, et al. **Beitr Pathol** 157(1):84–92, Feb 76

Proceedings: Pseudopyogenic granuloma: the histopathogenesis in the light of ultrastructural studies. Eady RA, et al. **Br J Dermatol** 95 Suppl 24:13, Jul 76

Cilio-retinal arterial circulation in central retinal vein occlusion. McLeod D. **Br J Ophthalmol** 59(9):486–92, Sep 75

Letter to the editor: Proliferative arteriopathy in macaques and vascular neurofibromatosis. Beach JE, et al. **Exp Mol Pathol** 24(1):126–7, Feb 76

Scanning electron-microscopic study of the surface characteristics of neoplastic endothelial cells of blood vessels. Toth B, et al. **J Pathol** 118(1):59–63, Jan 76

Transplantation arteriopathy. Mihatsch MJ, et al. **Pathol Microbiol (Basel)** 43(2–O):219–23, 1975

Intimal alterations of the aorta and the great arteries of newborn and children. Sinzinger H, et al. **Pathol Microbiol (Basel)** 43(2–O):129–33, 1975

[Letter: Study of sympathetic ganglic by electron microscopy. Anatomo-clinical relations in arteriopathies] Courbier R, et al. **Nouv Presse Med** 4(24):1814, 14 Jun 75 **(Fre)**

[The cystic adventitial degeneration of the popliteal artery] Raithel D, et al. **Vasa** 4(4):353–6, 1975 (Eng. Abstr.) **(Ger)**

[Studies on investigation of primary pathologic deterioration of the lower limbs. Calcific deposits in the veins (author's transl)] Heinen M, et al. **Z Rechtsmed** 78(1):31–45, 30 Jun 76 (Eng. Abstr.) **(Ger)**

[A functional-morphologic analysis of reactive changes in nerve fibers during development of collateral circulation in nerves] Sotnikov OS. **Arkh Anat Gistol Embriol** 70(4):31–8, Apr 76 (Eng. Abstr.) **(Rus)**

[Scanning electron microscopy of vessels in normal and pathologic states] Krymskiĭ LD, et al. **Vestn Akad Med Nauk SSSR** (11):71–6, 1975 (36 ref.) **(Rus)**

PHYSIOPATHOLOGY

Video tape demonstration of blood flow in human nailfold capillaries of normal subjects and patients with vascular diseases. Bollinger A, et al. **Bibl Anat** 13:243, 1975

Proceedings: Evaluation of indirect blood pressure measurement as a method of assessment of peripheral vascular disease. Quin RO, et al. **Br J Surg** 63(2):156, Feb 76

Skin fibrinolytic activity in cutaneous and systemic vasculitis. Sun CJ, et al. **Mayo Clin Proc** 51(4):216–22, Apr 76

[Blood platelets and cardiovascular diseases. III. Diseases with increased platelet consumption and vascular diseases] Jobin F. **Union Med Can** 105(5):756–66, May 76 (117 ref.) (Eng. Abstr.) **(Fre)**

[Synopsis of angiopathy for the consulting physician] KösterR. **Ther Ggw** 115(3):389–412, Mar 76 **(Ger)**

[Assessment of the functional capacity in the patients with venous diseases] Voigt H, et al. **Z Gesamte Inn Med** 30(21):230–3, 1 Nov 75 (Eng. Abstr.) **(Ger)**

[Electromyographic studies in patients with different forms of vasculitis] Krasnikov IuA, et al. **Vestn Dermatol Venerol** (6):30–3, Jun 75 **(Rus)**

[Studies of the vascular tonus and of the functional state of the myocardium in children with hypertensive type autonomic-vascular dystonia] Zernov NG, et al. **Pediatr Akush Ginekol** :18–9, May–Jun 76 **(Ukr)**

PREVENTION & CONTROL

Vascular diseases in employed males: a perspective on preventive and remedial programs in industry. Gibson ES, et al. **J Occup Med** 17(7):425–9, Jul 75

RADIOGRAPHY

Analysis of cecal vasculature in the search for vascular malformations. Baer JW, et al. **Am J Roentgenol** 126(2):394–405, Feb 76

Arteriomegaly. Carlson DH, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):553–8, Nov 75

Massive spontaneous portal-systemic shunting without varices. Wexler MJ, et al. **Arch Surg** 110(8):995–1003, Aug 75

A problem in hemodialysis management: fibromuscular dysplasia of radial and ulnar arteries—report of a case. Zucker MI, et al. **J Urol** 115(5):606–7, May 76

Direct percutaneous translumbar and transfemoral arteriography. Samson ID. **S Afr J Surg** 13(1):47–51, Mar 75

[Some forms of vascular disorders] Peeters FL. **Ned Tijdschr Geneeskd** 119(31):1205–9, 2 Aug 75 **(Dut)**

[Our experience with functional ascending cinephlebography] Papadimitriou J, et al. **Phlebologie** 28(1):149–54, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[FMD-manifestation and clinical findings (author's transl)] Seyfeddinipur N, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):256–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Arteriography findings in vibration vascular disease of upper limbs ('vibration angiopahty') (author's transl)] Guiliano G, et al. **Lav Um** 26(6):161–97, Nov 74 (Eng. Abstr.) **(Ita)**

[Roentgenoangiographic subtraction studies in dysplasias, aftereffects of injuries and obliterating vascular diseases of the limbs] Tregubov GI. **Vestn Rentgenol Radiol** (6):89–93, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

SURGERY

Successful amputation—by whose standards? Little JM. **Am Heart J** 90(6):806–7, Dec 75

Tracheo-innominate artery erosion: Successful surgical management of a devastating complication. Jones JW, et al. **Ann Surg** 18(2):194–204, Aug 76

Isotope angiography: technique, validation and value in the assessment of arterial reconstruction. Moss CM, et al. **Ann Surg** 184(1):116–21, Jul 76

Assessment of sympathectomy in the treatment of peripheral vascular disease. Keates JS, et al. **Bibl Anat** 13:396–7, 1975

Vasospastic dystrophy of the hand. Case report. Bender JL. **J Neurosurg** 43(6):764–6, Dec 75

Neurovascular microsurgery: a model for laboratory investigation and the development of technical skills. Rosenbaum TJ, et al. **Mayo Clin Proc** 51(5):301–6, May 76

[Routine use of induced preoperative hemodilution in vascular surgery] von Meissner F, et al. **Med Monatsschr** 29(5):203–5, May 75 **(Ger)**

[Extrathoracic bypass surgery in transfered veins of the extremities in the vena cava superior syndrome] Jonecko A. **Zentralbl Chir** 100(21):1302–5, 1975 **(Ger)**

THERAPY

Ergot-induced vasospasm of the lower extremities treated with epidural anaesthesia. Semb BK, et al. **Scand J Thorac Cardiovasc Surg** 9(3):254–8, 1975

Management of infected vascular prostheses. Bernhard VM. **Surg Clin North Am** 55(6):1411–7, Dec 75

[Electrocolloidotherapy] Defaut G. **Phlebologie** 28(3–4):353–9, Jul–Sep 75 (Eng. Abstr.) **(Fre)**

[Experience in the treatment of malignant obstructions of the vena cava superior by means of chemotherapeutic decompression and subsequent irradiation] Kolarić K, et al. **Strahlentherapie** 150(5):521–5, Nov 75 (Eng. Abstr.) **(Ger)**

[Medico-social importance and therapeutic measures in vascular diseases. Opinion of Prof. G. Guagliano] Guagliano G. **Minerva Cardioangiol** 22(5):388–9, May 74 **(Ita)**

[Treatment of chronic circulatory insufficiency] Kukes VG. **Klin Med (Mosk)** 53(7):122–8, Jul 75 **(Rus)**

[Treatment of vascular disorders, caused by cervical osteochondrosis, at the Sochi health resort] Timashev Ela. **Vopr Kurortol Fizioter Lech Fiz Kult** (5):432–3, Sep–Oct 75 **(Rus)**

VASCULAR HEADACHE see under **HEADACHE**

VASCULAR RESISTANCE

Proceedings: Pressure drop and vascular resistance in the cerebral circulation. Jansen J, et al. **Acta Neurochir (Wien)** 31(3–4):300, 1975

Reactivity and participation of the vascular bed of a limb in the compensatory vasoconstriction during haemorrhage. Petrov L. **Acta Physiol Pharmacol Bulg** 3–4:22–30, 1975

Arterial pressure, cardiac output and systemic resistance before and after pithing in normotensive and spontaneously hypertensive rats. Albrecht I, et al. **Acta Physiol Scand** 94(3):378–85, Jul 75

Cardiovascular responses to changes in carotid sinus transmural pressure in man. Bjurstedt H, et al. **Acta Physiol Scand** 94(4):497–505, Aug 75

The initial cardiovascular responses in the diving duck. Blix AS, et al. **Acta Physiol Scand** 94(4):539–41, Aug 75

Vascular resistance in peripheral blood vessels at normotension and at local orthostatic hypertension in healty humans. Paaske WP, et al. **Acta Physiol Scand** 95(4):463, Dec 75

The effects of increased blood viscosity on pulmonary vascular resistance. Nihill MR, et al. **Am Heart J** 92(1):65–72, Jul 76

Coronary hemodynamics during reperfusion following acute coronary ligation in dogs. Parker PE, et al. **Am Heart J** 90(5):593–9, Nov 75

Relation of renin status to neurogenic vascular resistance in borderline hypertension. Esler MD, et al. **Am J Cardiol** 36(5):708–15, 31 Oct 75

Changes in regional vascular resistance after myocardial infarction in the dog. Maximov MJ, et al. **Am J Cardiol** 37(1):26–32, Jan 76

Responses of abdominal vascular capacitance to stimulation of splachnic nerves. Karim F, et al. **Am J Physiol** 231(2):434–40, Aug 76

Vascular volume-distensibility characteristics of the isolated dogfish gut. Opdyke DF, et al. **Am J Physiol** 229(4):1141–6, Oct 75

Pedal vasomotor tone following aortofemoral reconstructions: a randomized study of concomitant lumbar sympathectomy. Shanik GD, et al. **Ann Surg** 183(2):136–8, Feb 76

Proceedings: The role of ions in the regulation of pial arterial diameters. Betz E, et al. **Arzneim Forsch** 26(6):1239–40, 1976

Proceedings: Regional vascular resistance in experimental renovascular hypertension. Flohr H, et al. **Arzneim Forsch** 25(10):1669, Oct 75

Determination of arterial input impedance spectra from non-invasively recorded pulses. Pasch Th, et al. **Basic Res Cardiol** 71(3):229–42, May–Jun 76

The hydraulic impedance of the lower limb: its relevance to the success of bypass operations for occlusion of the superficial femoral artery. Cave FD, et al. **Br J Surg** 63(5):408–12, May 76

Analytical characterization of microvascular resistance distribution. Mayrovitz HN, et al. **Bull Math Biol** 38(1):71–82, 1976

Effective vascular compliance and venous diameter in dogs. Larochelle P, et al. **Can J Physiol Pharmacol** 54(2):154–9, Apr 76

A pharmacological analysis of the adrenergic and cholinergic mechanisms regulating branchial vascular resistance in the rainbow trout (Salmo gairdneri). Wood CM. **Can J Zool** 53(11):1569–77, Nov 75

Estimation of non-autonomic and autonomic components of iliac bed vascular resistance in renal hypertensive rabbits. West MJ, et al. **Cardiovasc Res** 9(5):697–706, Sep 75

Role of resistance and exchange vessels in local microvascular control of skeletal muscle oxygenation in the dog. Granger HJ, et al. **Circ Res** 38(5):379–85, May 76

Basal vascular tone in the kidney. Evaluation from the static pressure-flow relationship under normal autoregulation and at maximal dilation in the dog. Gross R, et al. **Circ Res** 38(6):525–31, Jun 76

Quantification of collateral resistance in acute and chronic experimental coronary occlusion in the dog. Schaper W, et al. **Circ Res** 39(3):371–7, Sep 76

The vascular basis for acute renal failure in the rat. Preglomerular and postglomerular vasoconstriction. Venkatachalam MA, et al. **Circ Res** 38(4):267–79, Apr 76

The echocardiographic assessment of pulmonary artery pressure and pulmonary vascular resistance. Hirschfeld S, et al. **Circulation** 52(4):642–50, Oct 75

Letter: Echo assessment of PVR. Silverman NH, et al. **Circulation** 54(3):525–6, Sep 76

Estimation of magnitude of autonomic and non-autonomic components of hindlimb vascular resistance in renal hypertension. Angus JA, et al. **Clin Exp Pharmacol Physiol** Suppl 2:149–52, 1975

Relationship of splanchnic blood flow and portal venous resistance to elevated portal pressure in the dog. Witte CL, et al. **Gut** 17(2):122–6, Feb 76

Exercise and collateral arterial resistance. pp. 125–35. Sumner DS, et al. **In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

Effect of heart rate on coronary vascular resistance. Sukumar IP, et al. **Indian Heart J** 27(2):88–94, Apr 75

Central nervous control of venous tone. III. Responses of capacitance and resistance vessels of skin to bulbar and hypothalamic stimulation. Manchanda SK, et al. **Indian J Physiol Pharmacol** 19(3):105–20, Jul–Sep 75

A square-pulse flow method for measuring characteristics of the arterial bed. Bottomley MG, et al. **J Appl Physiol** 40(3):425–33, Mar 76

Effects of epinephrine on resisitive and compliant properties of the canine vasculature. Mitzner W, et al. **J Appl Physiol** 39(2):272–80, Aug 75

Adrenergic receptors and vascular resistance in cerebral circulation of the cat. Muravchick S, et al. **J Appl Physiol** 40(5):797–804, May 76

Correlation of blood rheology with vascular resistance in critically ill patients. Scholz PM, et al. **J Appl Physiol** 39(6):1008–11, Dec 75

Pulmonary capillary recruitment during airway hypoxia in the dog. Wagner WW Jr, et al. **J Appl Physiol** 39(6):900–5, Dec 75

Platelet antiserum inhibits hypoxic pulmonary vasoconstriction in the dog. Weir EK, et al. **J Appl Physiol** 41(2):211–5, Aug 76

Recruitment in networks of pulmonary capillaries. West JB, et al. **J Appl Physiol** 39(6):976–84, Dec 75

Effect of collateral and peripheral resistance on blood flow through arterial stenoses. Roth AC. **J Biomech** 9(6):367–75, 1976

Direct influence of blood viscosity on pulmonary vascular resistance. Tyson KR, et al. **J Pediatr Surg** 10(5):779–83, Oct 75

Uterine blood flow, oxygen uptake, and vascular resistance of pregnant sheep near term. Künzel W, et al. **J Perinat Med** 2(2):101–5, 1974

Correlation between pulmonary vascular resistance and pulmonary arterial diastolic pressure in congenital heart diseases with left to right shunt. Honda S, et al. **Jpn Heart J** 16(6):629–38, Nov 75

Correlative changes in total vascular capacity and resistance in carotid sinus reflex. Suga H, et al. **Jpn Heart J** 17(2):196–210, Mar 76

Effects of acutely increasing systemic vascular resistance on oxygen tension in tetralogy of Fallot. Nudel DB, et al. **Pediatrics** 58(2):248–51, Aug 76

Regional distribution of vascular resistance in two models of experimental renovascular hypertension. Flohr H, et al. **Pfluegers Arch** 362(2):157–64, 30 Mar 76

Relationship of outer cortical blood flow in transplantation donors to post-transplant function in children. Gruskin A, et al. **Proc Clin Dial Transplant Forum** 5:85–90, Nov 75

Vascular responses to plasma hypoosmolality in man. Overbeck HW, et al. **Proc Soc Exp Biol Med** 150(2):331–6, Nov 75

Attenuation of hypoxic pulmonary vasoconstriction by verapamil in intact dogs. Tucker A, et al. **Proc Soc Exp Biol Med** 151(3):611–4, Mar 76

Pulmonary arterial wedge and left atrial pressures and the site of hypoxic pulmonary vasoconstriction. Malik AB, et al. **Respiration** 33(2):123–32, 1976

Pulmonary vascular response to ventilation hypercapnia in man. Viswanathan R, et al. **Respiration** 33(3):165–78, 1976

Vascular resistance and oxygen transport as functions of haematocrit. Halmagyi DF, et al. **Resuscitation** 3(3):165–70, 1974

The effect of temporary clamping of the renal vessels on the vascular resistance in rabbit kidneys. Bilde T. **Scand J Urol Nephrol** 10(1):52–5, 1976

The influence of an agonal phase on the vascular resistance of the kidney measured during hypothermic perfusion studies. Bilde T. **Scand J Urol Nephrol** 10(1):49–51, 1976

Vascular resistance in hypothermically perfused kidneys damaged by warm ischemia. Bilde T. **Scand J Urol Nephrol** 10(1):43–8, 1976

Pulmonary shunt mechanism in atelectasis. Kersten TE, et al. **Surg Forum** 26:211–3, 1975

Normothermic vs hypothermic ischemia: effect on coronary flow, myocardial water content, and systemic vascular resistance. Todd EP, et al. **Surg Forum** 26:232–4, 1975

Foot vascular resistance index: a noninvasive method to assess foot vasomotor tone. Shanik G, et al. **Surgery** 78(4):446–52, Oct 75

Pulmonary hypertension in interstitial lung disease: relation of vascular resistance to abnormal lung structure. Enson Y, et al. **Trans Assoc Am Physicians** 88:248–55, 1975

The flow resistance of the maternal placental vascular bed of anesthetized guinea pigs. Herberger J, et al. **Z Geburtshilfe Perinatol** 180(1):61–6, Feb 76

[Total peripheral resistance and cardiac output in dogs with experimental hemorrhagic shock] Tomova I. **Eksp Med Morfol** 11(1):30–5, 1972 (Eng. Abstr.) **(Bul)**

[Peripheral vascular resistance in the cutaneous circulation in labile hypertensive subjects (author's transl)] Niederle P, et al. **Cas Lek Cesk** 114(50):1562–4, 12 Dec 75 (Eng. Abstr.) **(Cze)**

[Relationship between minute volume of the heart and peripheral arterial resistance in different stages of hypertension and in secondary arterial hypertension (author's transl)] Chvatíková J, et al. **Sb Lek** 78(2):21–9, Feb 76 (Eng. Abstr.) **(Cze)**

[Study of the cerebral circulatory resistance by the Döppler effect and rheography (author's transl)] Jacquy J, et al. **Acta Neurol Belg** 76(1):5–9, Jan–Feb 76 (Eng. Abstr.) **(Fre)**

Proceedings: [Importance of pulmonary vascular resistance and compliance factors on right ventricular performance] Pouleur H, et al. **Arch Int Physiol Biochim** 83(3):597–9, Aug 75 **(Fre)**

[Modifications in the closing volume due to the inhalation of tobacco smoke] Brusasco V, et al. **Poumon Coeur** 31(5):287–9, 1975 (Eng. Abstr.) **(Fre)**

[Significance of intravascular coagulation and acidosis on increase of pulmonary vascular resistance following trauma and hemorrhagic shock] Leinberger H, et al. **Langenbecks Arch Chir** Suppl:197–201, 1975 (Eng. Abstr.) **(Ger)**

[Letter: Hematuria in reduced capillary resistence] Hallauer W. **Med Klin** 71(20):874, 14 May 76 **(Ger)**

[Radioresistometry--a method for intraoperative judgement of vascular drainage tract (author's transl)] Oschatz R, et al. **Radiol Diagn (Berl)** 16(3):409–15, 1975 (Eng. Abstr.) **(Ger)**

[Apparent entry resistance of the coronary arterial system following aortocoronary bypass in man] Pasch T, et al. **Verh Dtsch Ges Kreislaufforsch** 41:125–30, 1975 **(Ger)**

[Effect of smoking on vascular resistance in the upper extremities] Bernardi L, et al. **Boll Soc Ital Biol Sper** 52(5):345–50, 15 Mar 76 **(Ita)**

[Evaluation of pulmonary vascular resistance in surgical selection of patients with intracardial arteriovenous shunts] Konstadinidis T, et al. **Arq Bras Cardiol** 28(6):651–60, Dec 75 (Eng. Abstr.) **(Por)**

[Analysis of the seasonal changes in the vascular tonus of frogs] Tsybenko VA, et al. **Biol Nauki** (7):38–42, 1975 **(Rus)**

[Changes in the tone of peripheral vessels in acute hypoxic hypoxia]chnīĭ hipoksiĭ Bratus' VV, et al. **Fiziol Zh** 21(5):602–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Plethysmographic study of cerebral and peripheral vascular tonus in vibration disease] Abramovich-Poliakov DK. **Gig Tr Prof Zabol** (9):48–50, Sep 75 **(Rus)**

[Correspondence of diastolic fall of pressure in the pulmonary artery to exponent and its use for calculation of hemodynamic resistance of the lesser] Smirnov AD. **Kardiologiia** 15(12):86–91, Dec 75 (Eng. Abstr.) **(Rus)**

[Basal and kinetic components of the tonus of the vessels of the mucous membrane of the nose in acute and chronic rhinitis] Zhmurkin VP, et al. **Vestn Otorinolaringol** (6):70–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Change in the viscoelastic properties of the vessels and in arterial pressure in healthy persons at different times of day] Iakovlev VA, et al. **Voen Med Zh** (5):62–5, 1976 **(Rus)**

[Peripheral vascular resistance in healthy and rheumatic children] Orlova NV. **Vopr Okhr Materin Det** 20(10):23–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the cerebral vascular tone and reactivity in patients with a varying level of central nervous system lesion and arterial hypotension] Zinchenko AP, et al. **Zh Nevropatol Psikhiatr** 74(1):16–20, 1974 (Eng. Abstr.) **(Rus)**

[Testing of the resistance of peripheral blood vessels by ultrasound] Popović M, et al. **Acta Chir Iugosl** 23(2):161–6, 1976 (Eng. Abstr.) **(Ser)**

[Comparison of the effect of increased arterial and venous pressure on the change of venous resistance in the small intestine] Török J. **Cesk Fysiol** 24(4):341–4, 1975 **(Slo)**

[The relationship between the amplitude of the rheogram and vascular tone] Hurevych MI, et al. **Fiziol Zh** 21(5):590–4, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Shifts in bioelectrical activity, vascular-autonomic tone and biogenic amine metabolism in circular depression] Sinitskiĭ VN, et al. **Fiziol Zh** 21(6):775–82, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

[Characteristics of bioelectrical activity, vascular-autonomic tone and biogenic amine metabolism in psychogenic depression] Synyts'kyĭ VM, et al. **Fiziol Zh** 22(1):47–55, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

[Studies of the vascular tonus and of the functional state of the myocardium in children with hypertensive type autonomic-vascular dystonia] Zernov NG, et al. **Pediatr Akush Ginekol** :18–9, May–Jun 76 **(Ukr)**

DRUG EFFECTS

The papaverine test for blood flow potential of ileo-femoral arteries. Dedichen H. **Acta Chir Scand** 142(2):107–13, 1976

Renal vascular resistance changes following thrombin-induced intravascular coagulation: role of platelet and fibrin emboli. Hoie J. **Acta Chir Scand** 141(3):167–72, 1975

Studies on the vasoactive effect of the Cratemon preparation. Petrov L, et al. **Acta Physiol Pharmacol Bulg** 2:82–9, 1974

Hemodynamic consequences of resistance vessel rarification and of changes in smooth muscle sensitivity. Hallbäck M, et al. **Acta Physiol Scand** 97(2):233–40, Jun 76

Influence of acidosis on noradrenaline–induced vasoconstriction in adipose tissue and skeletal muscle. Hjemdahl P, et al. **Acta Physiol Scand** 97(3):319–24, Jul 76

The pulmonary vasoconstrictor response to hypoxia: effects of inhibitors of prostaglandin biosynthesis. Vaage J, et al. **Acta Physiol Scand** 96(1):95–101, Sep 75

Cardiovascular and respiratory reflexes elicited by bradykinin acting on receptor sites (K & P) in the muscular circulatory area. Tallarida G, et al. **Adv Exp Med Biol** 70(00):301–14, 1976

Renovascular resistance and noradrenaline. Bomzon L, et al. **Am J Physiol** 229(6):1649–53, Dec 75

Effects of norepinephrine on mechanics of arteries in vitro. Cox RH. **Am J Physiol** 231(2):420–5, Aug 76

Influence of inhibitors of prostaglandin synthesis on the canine pulmonary vascular bed. Kadowitz PJ, et al. **Am J Physiol** 229(4):941–6, Oct 75

Effect of [Sar1, Ala8]angiotensin II on renal vascular resistance. Satoh S, et al. **Am J Physiol** 229(3):640–5, Sep 75

Histamine H1– and H2–receptors in pulmonary and systemic vasculature of the dog. Tucker A, et al. **Am J Physiol** 229(4):1008–13, Oct 75

Central nervous system control of pulmonary vascular resistance; effect of anesthesia after unilateral denervation. Moss G. **Am J Surg** 131(6):714–6, Jun 76

Reduced systemic vascular resistance as therapy for severe mitral regurgitation of valvular origin. Harshaw CW, et al. **Ann Intern Med** 83(3):312–6, Sep 75

Impaired vasoconstrictor nerve function in spontaneously hypertensive rats after long–term treatment with propranolol and metroprolol. Ljung B, et al. **Blood Vessels** 12(5):311–5, 1975

The effect of methoxyflurane on pulmonary vascular resistance and hypoxic pulmonary vasoconstriction in the isolated perfused cat lung. Sykes MK, et al. **Br J Anaesth** 48(3):191–4, Mar 76

Actions of prostaglandin E2 on myocardial mechanics, coronary vascular resistance and oxygen consumption in the guinea–pig isolated heat preparation. Krebs R, et al. **Br J Pharmacol** 55(3):403–8, Nov 75

Cardiac effects of sodium selenite. Aviado DM, et al. **Cardiology** 60(2):113–20, 1975

Vascular responses to arachidonic acid in the perfused canine lung. Wicks TC, et al. **Circ Res** 38(3):167–71, Mar 76

Effects of tham, isoprenaline and propranolol on blood flow and vascular resistances of the liver after in– and outflow occlusion. Relation with the splanchnic shock. Stoitchcov E, et al. **Eur Surg Res** 8(3):211–26, 1976

Identification and blockade of vascular H2 receptors. Powell JR, et al. **Fed Proc** 35(8):1935–41, Jun 76

Physical and adrenergic factors affecting systemic vascular resistance in the rainbow trout: a comparison with branchial vascular resistance. Wood CM, et al. **J Exp Biol** 63(2):505–23, Oct 75

Influence of prostaglandins E, A and F on vasoconstrictor responses to norepinephrine, renal nerve stimulation and angiotensin in the feline kidney. Chapnick BM, et al. **J Pharmacol Exp Ther** 196(1):44–52, Jan 76

Potassium and blood vessels. Haddy FJ. **Life Sci** 16(10):1489–97, 15 May 75 (46 ref.)

Fetal and neonatal cardiopulmonary response to histamine. Woods JR Jr, et al. **Obstet Gynecol** 48(2):195–202, AUG 76

The dilatatory action of adenosine on pial arteries of cats and its inhibition by theophylline. Wahl M, et al. **Pfluegers Arch** 362(1):55–9, 11 Mar 76

Effect of adrenergic neuron inhibitors on the vascular response to sympathetic nerve stimulation. Kisin I. **Pharmacology** 14(4):351–6, 1976

The effects of indomethacin on the pulmonary vascular response to hypoxia in the premature and mature newborn goat. Tyler T, et al. **Proc Soc Exp Biol Med** 150(3):695–8, Dec 75

Effect of prostaglandins on vascular resistance and adrenergic vasoconstrictor responses in the canine uterus. Clark KE, et al. **Prostaglandins** 12(1):71–82, Jul 76

Effects of indomethacin and PGE1 on the vasoconstrictor responses of the rabbit ear artery to nerve stimulation. Hadházy P, et al. **Prostaglandins** 11(2):241–50, Feb 76

Prostaglandin synthesis does not mediate the pulmonary vasodilatory effect of acetylcholine. McMurtry IF, et al. **Prostaglandins** 11(1):63–9, Jan 76

Pulmonary microembolism: attenuated pulmonary vasoconstriction with prostaglandin inhibitors and antihistamines. Tucker A, et al. **Prostaglandins** 11(1):31–41, Jan 76

Effects of prostaglandins of the E–series on pulmonary and systemic circulations of newborn goats during normoxia and hypoxia. Tyler T, et al. **Prostaglandins** 10(6):963–70, Dec 75

Prostaglandin E1 inhibits the pulmonary vascular pressor response to hypoxia and prostaglandin F2alpha. Weir EK, et al. **Prostaglandins** 10(4):623–31, Oct 75

Modification of alveolar hyperoxia induced pulmonary vasodilatation by indomethacin. Yam J, et al. **Prostaglandins** 11(4):679–89, Apr 76

Effects of diphenylhydantoin (Dilantin) on the pulmonary circulation. Mentzer RM Jr, et al. **Surg Forum** 26:217–9, 1975

Hemodynamic effects of aerosol propellants. III. Vascular resistance in the canine hind limb. Simaan JA, et al. **Toxicology** 5(3):287–95, Mar 76

[Iskedyl and general anesthesia. Measurement of the systolic ejection volume and peripheral resistance using the arterial pressure curves] Laborit G, et al. **Ann Anesthesiol Fr** 16(2):69–76, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Effects of Tham, isoprenaline and propranolol on the blood flow and vascular resistance of the liver after clamping of the afferent and efferent vessels. Relation to splanchnic shock] Stoitchcov E, et al. **J Chir (Paris)** 109(3):369–86, Mar 75 (Eng. Abstr.) **(Fre)**

[Effect of coronary vasodilator agents on the increase of coronary resistance during ischemia] Schäfer W, et al. **Langenbecks Arch Chir** Suppl:65–9, 1975 (Eng. Abstr.) **(Ger)**

[The effect of g–strophanthin on the resistance of the coronary vessels in minipigs] Modersohn D, et al. **Pharmazie** 30(9):613–4, Sep 75 **(Ger)**

[Dopamine effects on the pulmonary circulation of innervated and autotransplanted lungs (author's transl)] Kötter D, et al. **Thoraxchirurgie** 23(3):279–82, Jun 75 (Eng. Abstr.) **(Ger)**

[Effect of ethyl alcohol on the functions of the air chamber and peripheral resistance] Markiewicz K, et al. **Kardiol Pol** 19(1):25–31, 1976 (Eng. Abstr.) **(Pol)**

[Effect of sodium oxybutyrate on regional blood circulation and on neural regulation of vascular tonus] Bendikov EA, et al. **Biull Eksp Biol Med** 80(8):71–4, Aug 75 (Eng. Abstr.) **(Rus)**

[The effect of exogenous adrenaline and angiotensin II on the resistance vessels of the cat kidney] Alvar IuP, et al. **Fiziol Zh SSSR** 62(5):719–23, May 76 (Eng. Abstr.) **(Rus)**

[Changes in the resistance and capacity of the cerebral vascular bed under the influence of vasoactive substances] Krasil'nikov VG. **Fiziol Zh SSSR** 61(10):1531–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E1 on cerebrovascular resistance and acid–base equilibrium of arterial blood] Amroian ZA. **Zh Eksp Klin Med** 15(3):33–6, 1975 **(Rus)**

VASCULAR SURGERY

Recent advances in intravascular surgery. Film. Crispin HA, et al. **Acta Chir Belg** 74(2):181–2, Mar 75

Intimal injury from arterial clamps. Slayback JB, et al. **Am J Surg** 132(2):183–8, Aug 76

Further hazards of heparin therapy in vascular surgery. Ariyan S, et al. **Arch Surg** 111(2):120–1, Feb 76

The photo–electric plethysmograph as a monitor of microvascular anastomoses. Webster MH, et al. **Br J Plast Surg** 29(2):182–5, Apr 76

[Suture and replacement material in vascular surgery] Giessler R. **Chirurg** 46(10):454–9, Oct 75

Report of the Inter–Society Commission for Heart Disease Resources. Optimal resources for vascular surgery—a supplement. DeWeese JA, et al. **Circulation** 53(5):A–39–50, May 76

Intraoperative use of heparin. Courbier R. **J Cardiovasc Surg (Torino)** 16(4):346–9, Jul–Aug 75

Control angiographies after reconstructive vascular surgery. Denck H. **J Cardiovasc Surg (Torino)** 16(4):350–1, Jul–Aug 75

Acute traumatic vascular obstructions in children. Gruss JD. **J Cardiovasc Surg (Torino)** Spec No:45–9, 1973

Anatomical concepts to be observed when performing a vascular junction. Longo T. **J Cardiovasc Surg (Torino)** 16(4):368–70, Jul–Aug 75

Definition of the hopeless cases. Natali J. **J Cardiovasc Surg (Torino)** 16(4):379–80, Jul–Aug 75

Modern–anticoagulation therapy: the rational use of heparin and dextran in clinical vascular surgery. Sawyer PN, et al. **J Cardiovasc Surg (Torino)** Spec No:582–92, 1973

Microvascular surgery for stroke prevention. Young AB, et al. **J Ky Med Assoc** 73(11):599–601, Nov 75

Insulated suction tube for coagulation of inaccessible vessels. Donoff RB. **J Oral Surg** 33(12):952, Dec 75

Vasculitis in maturity–onset diabetes mellitus. Barner HB. **JAMA** 235(23k0):2495, 7 Jun 76

Letter: Visualisation of the foot during vascular surgery. Bremner DN. **Lancet** 1(7974):1412, 26 Jun 76

Successful replantation of an avulsed scalp by microvascular anastomoses. Miller GD, et al. **Plast Reconstr Surg** 58(2):133–6, Aug 76

Microvascular surgery. Techniques and applications in plastic surgery. Ostrup LT, et al. **Scand J Plast Reconstr Surg** 10(1):18–28, 1976 (68 ref.)

Pulmonary artery pressure measurements in surgical patients. Sorensen MB. **Scand J Thorac Cardiovasc Surg** 9(3):264–70, 1975

Human umbilical cord vein allograft for vascular replacement. Mindich BP, et al. **Surg Forum** 26:283–5, 1975

Intraoperative autotransfusion in major elective vascular operations: a clinical assessment. Wall W, et al. **Surgery** 79(1):82–8, Jan 76

Proceedings: Platelet studies during vascular surgery. Gjesdal K, et al. **Thromb Diath Haemorrh** 34(1):358–9, 30 Sep 75

Processed human umbilical cord veins for vascular reconstructive surgery. Baier RE, et al. **Trans Am Soc Artif Intern Organs** 22:514–26, 1976

A new approach to cross–abdomen arterial bypass. Colt JD. **Vasc Surg** 9(5):279–82, Nov–Dec 75

[Clinical experiences with induced preoperative haemodilution in vascular surgery (author's transl)] von Meissner F, et al. **Anaesthesist** 25(4):161–6, Apr 76 (Eng. Abstr.) **(Ger)**

[Concentration course of Na–Penicillin G in wound secretions following vascular surgery] Kolb R, et al. **Int J Clin Pharmacol Biopharm** 13(2):127–32, Mar 76 (Eng. Abstr.) **(Ger)**

[Vascular surgery and patient stress tolerance with reference to anesthesia (author's transl)] Müller C. **Langenbecks Arch Chir** 339:191–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Use of Histoacryl tissue adhesive in vascular surgery] Gyurkó G, et al. **Polim Med** 4(4):345–7, 1974 (Eng. Abstr.) **(Ger)**

[4th Annual Convention of the German Society for Thoracic, Cardiac and Vascular Surgery, February 20–22, 1975, in Bad Nauheim] **Thoraxchirurgie** 23(3):192–321, Jun 75 **(Ger)**

[Early postoperative diagnostic management by arterial–reobstruction after vascular operations using the ultrasonic flowmeter (author's transl)] Corovic D, et al. **Thoraxchirurgie** 23(4):330–3, Aug 75 (Eng. Abstr.) **(Ger)**

[Vascular surgery. Indications and prognosis] May R. **Z Allgemeinmed** 51(19):872–5, 10 Jul 75 **(Ger)**

[Use of tissue adhesives in experimental arterial trauma] Kulicki M. **Polim Med** 4(4):289–312, 1974 (Eng. Abstr.) **(Pol)**

[Arterial anastomosis by means of Lyodura B. Braun patch using tissue adhesive] Lukasiewicz S. **Polim Med** 4(4):323–6, 1974 (Eng. Abstr.) **(Pol)**

[Regulation of certain functions after operations on the heart and blood vessels] Shalimov AA, et al. **Grudn Khir** (1):38–40, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Our experience in emergency vascular surgery] Petrovskii BV. **Khirurgiia (Mosk)** (4):9–17, Apr 75 (Eng. Abstr.) **(Rus)**

[Use of cyanoacrylic glue MK–6 in vascular surgery] Shalimov AA, et al. **Khirurgiia (Mosk)** (8):44–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Reconstructive operations in acute injuries of the main vessels] Orlovskii BF, et al. **Ortop Travmatol Protez** (9):56–8, Sep 75 **(Rus)**

[Organization of emergency surgical service in blood vessel injuries] Novikov IuV, et al. **Sov Med** (11):120–6, Nov 75 **(Rus)**

[Surgical treatment of injuries of large blood vessels of the limbs] Ivanov AIa, et al. **Vestn Khir** 114(1):78–82, Jan 75 (Eng. Abstr.) **(Rus)**

[Treatment of wounds of the magistral vessels and their sequelae] Lastochkin BI, et al. **Voen Med Zh** (2):27–30, Feb 76 **(Rus)**

[Findings from cardiovascular and vascular surgery in Paris] Mazuch J. **Rozhl Chir** 54(10):730–3, Oct 75 **(Slo)**

ADVERSE EFFECTS

Immediate occlusions dependent on the type of reconstruction. Gruss JD, et al. **J Cardiovasc Surg (Torino)** 16(4):353–6, Jul–Aug 75

Causes of rethrombosis after arterial reconstructions. Harjola PT. **J Cardiovasc Surg (Torino)** 16(4):357–8, Jul–Aug 75

False peripheral aneurysm following direct arterial surgery. Sobregrau RC, et al. **J Cardiovasc Surg (Torino)** Spec No:320–6, 1973

Early thrombosis risks in function of methods of reconstruction (venous bypass, dacron bypass or endarterectomy), within three months. Stalpaert G, et al. **J Cardiovasc Surg (Torino)** 16(4):390–1, Jul–Aug 75

Proceedings: Anastomotic aneurysms after vascular reconstruction: Problems of incidence, etiology and treatment. Szilagyi DE, et al. **J Cardiovasc Surg (Torino)** 17(1):100, Jan–Feb 76

Iatrogenic entrapment of femoropopliteal saphenous vein bypass grafts by the gastrocnemius muscle. Brener BJ, et al. **Surgery** 78(5):668–74, Nov 75

[False aneurysm after vascular surgery] Gertsch P, et al. **Helv Chir Acta** 43(1–2):103–6, Mar 76 **(Fre)**

HISTORY

N.C. Korotkoff—1874 – 1920—poineer vascular surgeon. Segall HN. **Am Heart J** 91(6):816–8, Jun 76

Highlights in the development of arterial surgery. Martin JD Jr. **Am Surg** 41(10):593–7, Oct 75

Combined femoral arterial and venous injuries—a lesson in surgical history? pp. 21–8. Conn J Jr. **In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

[Historical survey in the treatment of blood vessel injuries] Piščević S. **Vojnosanit Pregl** 32(5):598–604, Sep–Oct 75 **(Ser)**

INSTRUMENTATION

An evaluation of the Mobin–Uddin umbrella in the prevention of pulmonary thromboembolism. Lawrence GH, et al. **Am J Surg** 132(2):204–8, Aug 76

Superior thyroid artery cannulation for monitoring carotid artery operation. Falor WH, et al. **Arch Surg** 111(9):1036–7, Sep 76

A catheter for vascular surgery. Bergentz SE. **Eur Surg Res** 8(2):185–6, 1976

Use of the vena caval 'umbrella' in the prevention of recurrent pulmonary embolization in the critically ill patient. Schwartz AM, et al. **J Cardiovasc Surg (Torino)**

Spec No:597–9, 1973
Experience with the use of tissue adhesives in microvascular surgery. Sechas MN, et al. **J Cardiovasc Surg (Torino)** Spec No:600–4, 1973
Intraluminal filter in the inferior vena cava. Vogel SG, et al. **J Cardiovasc Surg (Torino)** Spec No:634–7, 1973
Microblock for occlusion of small vessels. Technical note. Wright SJ Jr. **J Neurosurg** 44(6):757–8, Jun 76
Letter: Incision of small vessels. Becker RM, et al. **Lancet** 1(7956):425, 21 Feb 76
Vascular clips for the microsurgical treatment of stroke. Fox JL. **Stroke** 7(5):489–500, Sep–Oct 76
Scanning electron microscopic appraisal of a new micro T-tube. Gregorius FK, et al. **Stroke** 7(5):476–9, Sep–Oct 76
Repair of small veins with absorbable collagen tubules. Berakha GJ, et al. **Surg Forum** 26:550–2, 1975
[A metallic extractor in vascular surgery (author's transl)] Van de Berg L. **Acta Chir Belg** 74(2):165–72, Mar 75 (Eng. Abstr.) **(Fre)**
[Venous frames for the preparation of venous grafts with adequate lumen] Thorén L. **Chirurg** 47(5):301–2, May 76 **(Ger)**
[Jawless clamps for circular vascular suture] Bliskunov AI. **Med Tekh** (2):46–7, Mar–Apr 75 **(Rus)**

METHODS

General and/or regional anesthesia for vascular surgery. A retrospective evaluation. Deroksen SJ, et al. **Acta Anaesthesiol Belg** 26(4):125–31, 1975
The sequential femoropopliteal bypass graft. A five year experience. Friedmann P, et al. **Am J Surg** 131(4):452–6, Apr 76
Management of acute combined injuries to the aorta and inferior vena cava. Mattox KL, et al. **Am J Surg** 130(6):720–4, Dec 75
Elective vascular reconstruction after trauma. Rich NM, et al. **Am J Surg** 130(6):712–9, Dec 75
A new technique for resection of thoracoabdominal aneurysms. McCaughan JJ Jr, et al. **Am Surg** 41(10):611–4, Oct 75
Replantation and reconstructive microvascular surgery. Part I. O'Brien BM. **Ann R Coll Surg Engl** 58(2):87–103, Mar 76
Replantation and reconstructive microvascular surgery. Part II. O'Brien BM. **Ann R Coll Surg Engl** 58(3):171–82, May 76 (55 ref.)
Vertebral artery bypass. Berguer R, et al. **Arch Surg** 111(9):976–9, Sep 76
A simple method for deep ligatures. Pagliere H, et al. **Arch Surg** 111(9):1035, Sep 76
A nonsuture ring anastomotic method for small vessel surgery: laboratory studies. pp. 68–99. Carton CA, et al.

In: Austin GM, ed. Microneurosurgical anastomoses for cerebral ischemia. Springfield, Ill., Thomas, 1976. W3 IN919M 1973m.

Techniques of venous repair. pp. 243–56. Rich NM, et al.

In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Employment of neo arteries–autografts for the revascularization of the inferior extremities of man. Lucas MA, et al. **J Cardiovasc Surg (Torino)** Spec No:499–505, 1973
Direct arterial surgery. Lucas MA, et al. **J Cardiovasc Surg (Torino)** Spec No:495–8, 1973
Influence of the type of anastomosis: end–to–side anastom: sis versus end–to–end. Tibbs DJ. **J Cardiovasc Surg (Torino)** 16(4):401–3, Jul–Aug 75
Role of vascular surgery in the management of the stroke patient. Ochsner A Jr. **J La State Med Soc** 128(2):39, Feb 76
Microvascular bypass surgery. Part 1: anatomical studies. Chater N, et al. **J Neurosurg** 44(6):712–4, Jun 76
Muslin gauze in intracranial vascular surgery. Technical note. Pool JL. **J Neurosurg** 44(1):127–8, Jan 76
Surgical correction of internal carotid artery tortuosity with an autogenous arterial patch graft. Spear HC, et al. **Surg Gynecol Obstet** 142(4):580–3, Apr 76
Surgical anatomy in bypass of the distal part of the lower limb. Tiefenbrun J, et al. **Surg Gynecol Obstet** 141(4):528–33, Oct 75
Microsurgical vascular bypass for occlusive cerebrovascular disease; review of 100 cases. Chater N, et al. **Surg Neurol** 6(2):115–8, Aug 76
Results of left gastric vena caval shunt for esophageal varices: Analysis of one hundred clinical cases. Inokuchi K, et al. **Surgery** 78(5):628–36, Nov 75
Is non–radical surgery for varicose veins justifiable? Haeger K. **Vasa** 4(4):403–6, 1975
Progress in peripheral vascular surgery. Perry MO. **West J Med** 124(3):194–218, Mar 76 (139 ref.)
[Vascular microsurgery (author's transl)] Gilbert A. **Ann Chir** 29(11):1035–6, Nov 75 (Eng. Abstr.) **(Fre)**
[Superficial temporal artery, Anatomic study and practical deductions] Ricbourg B, et al. **Ann Chir Plast** 20(2):197–213, 1975 (Eng. Abstr.) **(Fre)**
[Changes in the walls of microvessels subjected to microsuturation (author's transl)] Chignier E, et al. **Ann Chir Thorac Cardiovasc** 15(2):175–7, Apr 76 (Eng. Abstr.) **(Fre)**
[Route of approach of distal deep femoral artery] Bouchet A. **J Chir (Paris)** 111(5–6):553–60, May–Jun 76 (Eng. Abstr.) **(Fre)**
[Venous bypass on the opposite side (Palma's operation). Preoperative evaluation. Technical variants. Indications and results] Gillot C, et al. **J Chir (Paris)** 110(5):381–404, Nov 75 (Eng. Abstr.) **(Fre)**
[Letter: Implantation of a permanent artificial cardiac pacemaker by the veins of the interpectoral area] Camous JP, et al. **Nouv Presse Med** 5(14):927–8, 3 Apr 76 **(Fre)**
[The surgical strategy in cases of arterio–venous aneurysms of the posterior fossa. A propos of 3 cases] Karkesselian A, et al. **Schweiz Med Wochenschr** 105(20):643–6, 17 May 75 (Eng. Abstr.) **(Fre)**
[Technics of vascular microsurgery] Duspiva W, et al. **Med Welt** 27(18):852–5, 30 Apr 76 **(Ger)**
[Radioresistometry—a method for intraoperative judgement of vascular drainage tract (author's transl)] Oschatz R, et al. **Radiol Diagn (Berl)** 16(3):409–15, 1975 (Eng. Abstr.) **(Ger)**
[The use of laser in thoracic–, cardiac– and vascular surgery (author's transl)] Dittrich H, et al. **Thoraxchirurgie** 23(5):505–10, Oct 75 (Eng. Abstr.) **(Ger)**
[Clinical experiences with the 'suspended suture' in venous anastomoses] Hagmüller GW, et al. **Vasa** 4(4):378–84, 1975 (Eng. Abstr.) **(Ger)**
[Vascular injuries. Treatment and results] Janisch K, et al. **Zentralbl Chir** 100(7):436–9, 1975 **(Ger)**
[Fundamental Technique of Microvascular Surgery (author's transl)] Harii K. **Neurol Surg (Tokyo)** 3(11):889–901, 10 Nov 75 **(Jpn)**
[Local freezing of the esophagus, stomach and vessels in experimental surgery] Doletskii AS, et al. **Eksp Khir Anesteziol** (1):35–9, 1976 (Eng. Abstr.) **(Rus)**
[Surgery of small caliber blood vessels] Krylov VS, et al. **Eksp Khir Anesteziol** (4):16–20, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Surgical treatment of injuries of the major vessels of the limbs (literature survey)] Kniazev MD, et al. **Khirurgiia (Mosk)** (10):144–9, Oct 75 (191 ref.) **(Rus)**
[Comparative characteristics of surgical approaches to the urogenital venous plexus] Glazkov SI. **Urol Nefrol (Mosk)** (6):37–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[New technics for the prevention of thrombosis of vein sutures] Raso AM, et al. **Angiologia** 28(3):131–7, May–Jun 76 (Eng. Abstr.) **(Spa)**
[Experimental vascular microneurosurgery (author's transl)] Castellanos Mateos F, et al. **Rev Esp Otoneurooftalmol Neurocir** 33(195):209–14, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

VASECTOMY

see related

STERILIZATION REVERSAL

Two years' experience of an outpatient vasectomy service. Sbrero AJ, et al. **Am J Public Health** 65(10):1091–4, Oct 75
Vasectomy: a long–term study of its effects on testicular endocrine function in man. Whitby M, et al. **Andrologia** 8(1):55–9, 1976
Effect of irrigation of vas deferens on sperm analyses after vasectomy. Lehtonen T. **Ann Chir Gynaecol Fenn** 64(4):224–6, 1975
Adaptations of the male reproductive tract and the fate of spermatozoa following vasectomy in the rabbit, rhesus monkey, hamster and rat. Bedford JM. **Biol Reprod** 14(2):118–42, Mar 76
Fine structure of the rabbit epididymis and vas deferens after vasectomy. Flickinger CJ. **Biol Reprod** 13(1):50–60, Aug 76
Fine structure of the rabbit testis after vasectomy. Flickinger CJ. **Biol Reprod** 13(1):61–7, Aug 75
Intratubular hydrostatic pressure in testis and epididymis before and after long–term vasectomy in the guinea pig. Johnson AL, et al. **Biol Reprod** 14(4):371–6, May 76
Suppression of sperm granulomas in vasectomized rats by local heating of the testis. Voglmayr JK. **Biol Reprod** 13(4):453–60, Nov 75
Triorchidism with normal spermatogenesis: an unusual cause for failure of vasectomy. Hakami M, et al. **Br J Surg** 62(8):633, Aug 75
Proceedings: Factors which determine the rate of disappearance of sperm from the ejaculate after vasectomy. Spencer B, et al. **Br J Surg** 63(2):163, Feb 76
Factors determining the rate of disappearance of sperm from the ejaculate after vasectomy. Spencer B, et al. **Br J Surg** 63(6):477–8, Jun 76
Hormonal assessment before and after vasectomy. Skegg DC, et al. **Br Med J** 1(6010):621–2, 13Mar 76
Letter: Congenital absence of vas deferens. Ho WC. **Can Med Assoc J** 113(11–12):1022–4, 13 Dec 75
Endocrine effects of vasectomy. Purvis K, et al. **Clin Endocrinol (Oxf)** 5(3):263–72, May 76
Comparison of allergic aspermatogenesis with that induced by vasectomy. I. In vivo studies in the guinea–pig. Muir VY, et al. **Clin Exp Immunol** 24(1):72–80, Apr 76
Autoimmunity to sperm antigens in vasectomized men. Samuel T, et al. **Clin Exp Immunol** 21(1):65–74, Jul 75
Human sperm antigens and antisperm antibodies I. Studies on vasectomy patients. Tung KS. **Clin Exp Immunol** 20(1):93–104, Apr 75
Antibodies to testicular antigens in vasectomized rabbits. Bigazzi PE, et al. **Clin Immunol Immunopathol** 5(2):182–94, Mar 76
Long–term effects of vasectomy on the pituitary–gonadal system of rat and mouse. Lohiya NK, et al. **Endokrinologie** 67(2):152–9, Jun 76
Endocrine effects of vasectomy in man. Kobrinsky NL, et al. **Fertil Steril** 27(2):152–6, Feb 76
The effects of vasectomy on spermatogenesis in the dog, Canis Familaris: a meiotic analysis. MacDougall MK, et al. **Fertil Steril** 26(8):786–90, Aug 75
Semen zinc levels in infertile and postvasectomy patients and patients with prostatitis. Marmar JL, et al. **Fertil Steril** 26(11):1057–63, Nov 75
Anatomical sizes of the human vas deferens after vasectomy. Schmidt SS, et al. **Fertil Steril** 27(3):271–4, Mar 76
An investigation of plasma hormone levels before and after vasectomy. Smith KD, et al. **Fertil Steril** 27(2):144–51, Feb 76
Vasectomy and vasovasostomy. I. Timing of histologic changes in immature and mature dog testis after vasectomy. Urry RL, et al. **Fertil Steril** 27(8):937–44, Aug 76
Editorial: Post vasectomy babies. Van Dellen TR. **Ill Med J** 148(2):96, Aug 75
Male and female sterilization. pp. 1–40.
In: Kleinman RL, ed. Male and female sterilization. London, International Planned Parenthood Federation, 1973. HQ 767.7 I101m 1973.
Male and female sterilization. pp. 1–39.
In: Kleinman RL, ed. Male and female sterilization. London, International Planned Parenthood Federation, 1976. W3 I355 1975m.
Biologic and immunologic consequences of vasectomy. pp. 291–302. Ansbacher R.
In: Moghissi KS, Evans TN, ed. Regulation of human fertility. Detroit, Wayne State Univ Press, 1976. W3 HA292 1973r.
Knowledge and approval of vasectomy in the United States: implications for educational programs. pp. 338–45. Gillespie DG, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Development and implementation of a sterilization program: India as an example. pp. 218–28. Purandare BN.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Sterilization procedures – their role in national family planning programs. pp. 374–82. Rosenfield AG, et al.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Surgical aspects of family planning (males). pp. 383–8. Sharma AK.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Male sterilization – clinical aspects. pp. 231–4. Shulman S.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Sterilization, antibodies, and autoimmunity. pp. 86–95. Shulman S.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973. (34 ref.)
Male sterilization – basic science aspects. pp. 235–47. Ventura W.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Voluntary sterilization in Taiwan area, Republic of China. pp. 447–53. Wang CM.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Sialic acid in the semen of normal vasectomized and hypospermatogenic individuals. Das RP, et al. **Indian J Med Res** 63(9):1234–7, Sep 75
A retrospective study of 800 families: tubectomised vasectomised under the family planning programme. Reddy SV, et al. **Indian Pediatr** 12(9):899–902, Sep 75
Quantitative study of spermatogenesis in vasectomized mice. Croft BT, et al. **Int J Fertil** 21(1):61–4, 1976
Low fertility rate in vasovasostomized males and its possible immunologic mechanism. Gupta I, et al. **Int J Fertil** 20(3):183–91, 1975
Male sterilization in Thailand: a follow–up study. Burnight RG, et al. **J Biosoc Sci** 7(4):377–91, Oct 75
Immune complex orchitis in vasectomized rabbits. Bigazzi PE, et al. **J Exp Med** 143(2):382–404, 1 Feb 76
Role of vasectomy in the prevention of post–prostatectomy epididymitis. Singh A, et al. **J Indian Med Assoc** 64(9):228–31, 1 May 75
Editorial: Vasectomy program at Ramathibodi Hospital: training, research and public education. Muangmun V, et al. **J Med Assoc Thai** 58(9):455–8, Sep 75
Some observations of the luminal contents of the proximal vas segment in cases of vasectomy. Pardanani DS, et al. **J Postgrad Med** 21(4):163–7, Oct 75
Vasectomy—a review of 100 cases. McGuinness BW. **J R Coll Gen Pract** 26(165):297–302, Apr 76
A study of the morphology of the Leydig cells of the rat after unilateral vasectomy. Jáuregui P, et al.

J Reprod Fertil 45(2):405–7, Nov 75
Early effects of vasectomy on the protein composition of fluid from the rete testis and epididymis of the rat. Koskimies AI, et al. **J Reprod Fertil** 47(1):141–3, May 76
Plasma testosterone levels in vasectomized rats. Mock EJ, et al. **J Reprod Fertil** 44(3):575–8, Sep 75
Modern eligibility criteria for vasectomy in the United States. Leader AJ, et al. **J Urol** 115(6):689–91, Jun 76
Lymphocytotoxins in vasectomized men. White AG, et al. **J Urol** 114(2):240–1, Aug 75
Vasectomy. Gue S, et al. **Med J Aust** 1(20):740–3, 15 May 76
Advances in understanding the effects of vasectomy. Davis JE, et al. **Mt Sinai J Med NY** 42(5):391–7, Sep–Oct 75 (19 ref.)
Letter: Ethics and vasectomy. Urquhart–Hay D. **NZ Med J** 81(542):568–9, 25 Jun 75
Psychological dynamics and self–perceptions of vasectomy candidates. Hamersma RJ, et al. **Percept Mot Skills** 40(3):1004–6, Jun 75
Vasectomy for voluntary male sterilisation. Lehtonen T. **Scand J Urol Nephrol** 9(3):174–6, 1975
Microscopic technique for reversal of vasectomy. Silber SJ. **Surg Gynecol Obstet** 143(4):631, Oct 76
The morbidity of vasectomy. Squires JW, et al. **Surg Gynecol Obstet** 143(2):237–40, Aug 76
Vasectomy without complication. Bennett AH. **Urology** 7(2):184–5, Feb 76
Changes in testis of guinea pig after vasectomy. Hutson JC, et al. **Urology** 7(3):287–91, Mar 76
Attitudes of patients one year after vasectomy: results of 355 of 1,000 questionnaires. Moss WM. **Urology** 6(3):319–22, Sep 75
Effect of unilateral vasectomy, epididymectomy and epididymal ligation on the reproductive capacity of growing rams. Osman AM, et al. **Zentralbl Veterinaermed [A]** 23(05):373–83, Jul 76
[After vasectomy. A follow–up study] Berthelsen JG. **Ugeskr Laeger** 137(34):1947–50, 18 Aug 75 (Eng. Abstr.) **(Dan)**
[Results of a questionnaire on vasectomy] Eldrup J, et al. **Ugeskr Laeger** 138(16):987–8, 12 Apr 76 (Eng. Abstr.) **(Dan)**
[Sperm studies following sterilization by vasectomy. How often and how long after the intervention] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 119(35):1351–3, 30 Aug 75 **(Dut)**
[Histologic and immunologic study of the testis after ligation of the vas deferens in dogs] Lansac J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 5(1):5–14, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[Sterilization of the male] Klosterhalfen H. **Munch Med Wochenschr** 118(28):907–8, 9 Jul 76 (Eng. Abstr.) **(Ger)**
[Sterilization as a method of contraception. Results of consultations on the desire for vasectomy] Schirren C, et al. **Munch Med Wochenschr** 118(28):889–902, 9 Jul 76 (Eng. Abstr.) **(Ger)**
[Mechanical contraception and future fertility] pp. 309–63. Marchesi F, et al. **In: Marchesi F, Cittadini E, ed. Fertilità e sterilità. Taormina, Minerva medica, 1974. WP 570 S679f 1973.** **(Ita)**
[Determination of fructose, proteins, oxalacetic and pyruvic transaminase in the seminal plasma of vasectomized patients] Giner J, et al. **Arch Invest Med (Mex)** 7(2):71–6, 1976 (Eng. Abstr.) **(Spa)**
[Vasectomy. Clinical study of 500 couples] Giner J, et al. **Ginecol Obstet Mex** 39(236):405–11, Jun 76 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Biochemical and histological changes in testes and epididymis of dog after vasectomy. Lohiya NK, et al. **Acta Eur Fertil** 6(4):361–9, Dec 75
Vasectomy: psychological effects and pre–operative counseling. Leavesley JH. **Aust Fam Physician** 5(2):142–50, Mar 76
Autoimmune implications of vasectomy in man. Crewe P, et al. **Clin Exp Immunol** 24(2):368–9, May 76
Long–term effect of vasectomy on the biochemical composition of testes and sex accessory organs of the Indian desert gerbil, Meriones hurrianae Jerdon. Lohiya NK, et al. **Endokrinologie** 65(1):16–21, Feb 75
The psychological effects of vasectomy for American men. Bloom LJ, et al. **J Genet Psychol** 128(2):173–82, Jun 76
Letter: Vasectomy. Drury VW. **J R Coll Gen Pract** 25(155):441–2, Jun 75
Letter: Vasectomy. Jackson LN. **J R Coll Gen Pract** 25(155):442, Jun 75

INSTRUMENTATION

Development and initial evaluation of a vas deferens valve. Kuckuck L, et al. **Indian J Physiol Pharmacol** 19(1):20–7, Jan–Mar 75
Vasectomy: A new instrument. Textor BA. **J Am Osteopath Assoc** 75(12):1071, Aug 76

METHODS

Letter: Irrigation of the vas for immediate sterility after vasectomy. Slome J. **Br Med J** 4(5997):649, 13 Dec 75
Vasectomy – current male techniques. pp. 71–5. Hanley HG. **In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.**
An absorbable intravasal stent and a silicone intravasal reversible plug. Report of experiments on animals. Farcon E, et al. **Invest Urol** 13(2):108–12, Sep 75
Sperm antibodies after vasectomy with fulguration. Alexander NJ, et al. **J Urol** 115(1):77–8, Jan 76
Peroperative irrigation of the vas deferens during vasectomy. Berthelsen JG. **Scand J Urol Nephrol** 10(2):100–2, 1976

VETERINARY

Editorial: Professional indemnity and vasectomy in bulls. **Aust Vet J** 52(1):43, Jan 76
Disappearance of spermatoza from the ejaculates of vasectomized dogs. Pineda MH, et al. **J Am Vet Med Assoc** 168(6):502–3, 15 Mar 76
Vasectomy: solution to the overpopulation problem in captive African lions? Robinson PT, et al. **Vet Med Small Anim Clin** 70(11):1353–6, Nov 75
[From the practice of obstetrics, gynecology and artificial insemination] Stepnova MN. **Veterinariia** (9):88–92, Sep 75 **(Rus)**

VASKULAT see **BAMETHAN**

VASOCONSTRICTOR AGENTS

Comparative bio–availability and activity of proprietary topical corticosteroid preparations: vasoconstrictor assays on thirty–one ointments. Barry BW, et al. **Br J Dermatol** 93(5):563–71, Nov 75
The inhibition by glucagon of the vasoconstrictor actions of noradrenaline, angiotensin and vasopressin on the hepatic arterial vascular bed of the dog. Richardson PD, et al. **Br J Pharmacol** 57(1):93–102, May 76
Proceedings: Pharmacokinetic/pharmacodynamic relationships for topical steroids in the vasoconstrictor test. Barry BW, et al. **J Pharm Pharmacol** 27 Suppl?–2:75P, Dec 75
Vasoconstrictor actions of delta 8– and delta 9–tetrahydrocannabinol in the rat. Adams MD, et al. **J Pharmacol Exp Ther** 196(3):649–56, Mar 76
The effectiveness of a synthetic vasopressin analogue as a vasoconstrictor. Peterson LJ, et al. **Pharmacol Ther Dent** 2(2):139–46, 1975
Influence of ergot compounds on compliance of superficial hand veins in man. Aellig WH. **Postgrad Med J** 52suppl 1:21–23, 1976
Longitudinal tension of anterior tibial artery segments during constrictor responses. Davis DL. **Proc Soc Exp Biol Med** 152(2):178–82, Jun 76
Coronary arterial smooth muscle contraction by a substance released from platelets: evidence that it is thromboxane A2. Ellis EF, et al. **Science** 193(4258):1135–7, 17 Sep 76
Thromboxanes: selective biosynthesis and distinct biological properties. Needleman P, et al. **Science** 193(4248):163–5, 9 Jul 76
Studies on the venoconstrictor effect of ergot compounds in man. Aellig WH. **Triangle** 14(1):39–46, 1975
[Study of the effects of Alfatesin on cerebral blood flow in cats] Baldy–Moulinier M, et al. **Ann Anesthesiol Fr** 16(6):417–22, Oct 75 (Eng. Abstr.) **(Fre)**
[Effects of Alfatesin on total cerebral blood flow in humans] Laxenaire MC, et al. **Ann Anesthesiol Fr** 16(6):423–8, Oct 75 (Eng. Abstr.) **(Fre)**
[The value of local application of a vasoconstrictive peptide during colposcopy (author's transl)] Horcajo M. **Geburtshilfe Frauenheilkd** 36(5):388–92, May 76 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[Therapeutic angiography] Bücheler E. **Z Gastroenterol** 14(2):187–92, Mar 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

Vascular effects of corticotensin peaks separated by gel filtration. Risler NR, et al. **Acta Physiol Lat Am** 24(5):503–6, 1974

ANTAGONISTS & INHIBITORS

Proceedings: The effects of glucagon on the hepatic arterial vasculature of the dog: an inhibition of the effects of vasoconstrictor agents. Richardson PD, et al. **Br J Pharmacol** 55(2):272P–273P, Oct 75

CHEMICAL SYNTHESIS

Prepartion of 16alpha–alkoxy and 16alpha–acyloxy derivatives of 21–chloro–17–acyloxy corticosteroids and determination of their vasoconstrictor activities in humans. Cimarusti CM, et al. **J Med Chem** 19(5):721–3, May 76

DIAGNOSTIC USE

[Pharmacodynamic renovasography. Comparison of the diagnostic value of adrenergic and cholinergic substances] Věšin S. **Cas Lek Cesk** 114(25):763–70, 20 Jun 75 (Eng. Abstr.) **(Cze)**

ISOLATION & PURIFICATION

A vasodepressor peptide in Cohn fraction III–O of human plasma proteins. Horowitz JD, et al. **Adv Exp Med Biol** 70(00):15–21, 1976

PHARMACODYNAMICS

Effect of a new vasoactive peptide (corticotensin) on adenylate cyclase activity of toad bladder epithelial cells. Raisman R, et al. **Acta Physiol Lat Am** 24(5):499–502, 1974
Influence of acidosis on noradrenaline–induced vasoconstriction in adipose tissue and skeletal muscle. Hjemdahl P, et al. **Acta Physiol Scand** 97(3):319–24, Jul 76
Effects of vasoconstrictors on intestinal vascular resistance and oxygen extraction. Shepherd AP, et al. **Am J Physiol** 230(2):298–305, Feb 76
The local anesthetic activity of tetrodotoxin alone and in combination with vasoconstrictors and local anesthetics. Adams HJ, et al. **Anesth Analg (Cleve)** 55(4):568–73, Jul–Aug 76
Reactivity of aorta and portal vein in germfree rats. Altura BT, et al. **Blood Vessels** 12(4):206–18, 1975
Mechanism of plasminogen activator and factor VIII increase after vasoactive drugs. Mannucci PM, et al. **Br J Haematol** 30(1):81–93, May 75
Effects of drugs on the negative (backflow) component of velocity patterns in the dog aorta. Kot PA, et al. **Cardiovasc Res** 10(1):119–24, Jan 76
Objective measurement of topically applied corticosteroids. Király K, et al. **Dermatologica** 152 Suppl 1:133–7, 1976
Vasoconstriction in response to corticosteroids observed in human lips. Stüttgen G. **Dermatologica** 152 Suppl 1:91–100, 1976
Effect of secretin, glucagon and VIP on gallbladder contraction. Vagne M, et al. **Digestion** 14(1):62–7, 1976
The effect of local anaesthetics on the vasoconstrictor response of the isolated perfused artery to adrenaline and noradrenaline. Gerke DC, et al. **Eur J Pharmacol** 38(2):243–52, Aug 76
Inhibition of isoprenaline–induced increase in plasma renin concentration by vasoconstrictors. Meyer DK, et al. **Experientia** 31(9):1071–2, 15 SEP 75
Spasmogenic qualities of prostaglandin F2alpha in the cat. Kapp JP, et al. **J Neurosurg** 44(2):173–5, Feb 76
Vasoconstrictor actions of delta8– and delta9–tetrahydrocannabinol in the rat. Adams MD, et al. **J Pharmacol Exp Ther** 196(3):649–56, Mar 76
Proceedings:Simultaneous measurement of local plasma exudation and blood flow changes induced by intradermal injection of vasoactive substances, using [131I]albumen and 133Xe. Williams TJ. **J Physiol (Lond)** 254(1):4P–5P, Jan 76
Inhibition of furosemide–induced renin release by vasoconstrictors. Lauterwein B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):307–14, 24 Sep 75
Suppression of isoprenaline–induced increase in plasma renin concentration by vasoconstrictors in rats with nonfunctioning Macula densa. Meyer DK, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):315–21, 24 Sep 75
Sensitivity of guinea pig aorta to norepinphrine, phenylephrine, methoxamine and potassium: effect of reserpine, 6–hydroxydopamine and cocaine. Kaiman M, et al. **Proc West Pharmacol Soc** 18:93–5, 1975
Response of the microvasculature in experimental mammary tumors in C3H mice to selected vasoactive drugs. Puffer HW, et al. **Proc West Pharmacol Soc** 18:133–5, 1975
Influence of cerebral vasoconstricting and vasodilating agents on blood flow in regions of focal ischemia. Hanson EJ Jr, et al. **Stroke** 6(6):642–8, Nov–Dec 75
Effects of anti–inflammatory, anticoagulant and vasoactive compounds on tail bleeding time, whole blood coagulation time and platelet retention by glass beads in rats. De Clerck F, et al. **Thromb Res** 8(2):179–93, Feb 76
[Venitonic pharmacodynamic value of galenic preparations with a base of hamamelis leaves] Bernard P, et al. **J Pharm Belg** 27(4):505–12, Jul–Aug 72 (Eng. Abstr.) **(Fre)**
[Examination of macular function under the influence of vasoactive drugs of various chemical origin] Ivanoff N. **Ber Dtsch Ophthalmol Ges** (73):166–9, 1975 **(Ger)**
[The effectiveness of vasopressors and vasodilators for pharmaco–dynamic renal angiography (author's transl)] Věšin S, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):216–25, Mar 76 (Eng. Abstr.) **(Ger)**
[Test of venoconstriction in humans; an improved technic for quantitative evaluation of venous spasm] Del Bianco PL, et al. **Boll Soc Ital Biol Sper** 51(14):883–8, 30 Jul 75 **(Ita)**
[Changes in the resistance and capacity of the cerebral vascular bed under the influence of vasoactive substances] Krasil'nikov VG. **Fiziol Zh SSSR** 61(10):1531–8, Oct 75 (Eng. Abstr.) **(Rus)**

STANDARDS

[One method of studying regional blood flow] Paskov D, et al. **Eksp Med Morfol** 13(3):199–205, 1974 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Vasoactive agents and fluid replacement. Moore FD. **Antibiot Chemother** 21:196–7, 1976
A new formulation of 0.1% hydrocortisone cream with

vasoconstrictor activity and clinical effectiveness. Whitefield M, et al. **Br J Dermatol** 92(5):585–8, May 75
Isometheptene—a non-ergot drug in the treatment of migraine. Diamond S, et al. **Headache** 15(3):211–3, Oct 75
The role of vasoactive agents in shock therapy. Ogburn P. **Vet Clin North Am** 6(2):287–95, May 76 (12 ref.)
[Treatment of acute otitis] Lindeman HH.
Tidsskr Nor Laegeforen 96(1):42–4, 10 Jan 76 **(Nor)**

TOXICITY

[Toxicity tests in vasoconstrictor agents added to local anesthetics] Walter HG. **Dtsch Zahnaerztl Z** 30(9):632–5, Sep 75 (Eng. Abstr.) **(Ger)**

VASOCONSTRICTOR AGENTS, NASAL

ADVERSE EFFECTS

Severe arterial hypertension caused by chronical abuse of a topical mineralocorticoid. Armbruster H, et al.
Int J Clin Pharmacol Biopharm 12(1–2):170–3, Jul 75
[Adverse effect of long-term use of vasoconstrictive drops on the nasal mucosa] Burmeister LK, et al.
Vestn Otorinolaringol (4):71–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

METABOLISM

[On the absorption of decongestive nose-drops-investigation with a radioactive labelled imidazoline-derivate (author's transl)] Münzel M, et al. **Laryngol Rhinol Otol (Stuttg)** 54(11):875–88, Nov 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Letter: Spray-tish for scuba-divers. Luke CG.
Med J Aust 2(10):407, 6 Sep 75

THERAPEUTIC USE

Physiologic/clinical comparisons of a sustained-release decongestant combination, its components and placebo in patients with allergic rhinitis. Cohen BM. **J Asthma Res** 13(1):7–13, Sep 75

VASODILATOR AGENTS

Does histamine have two vasodilator actions on the gastric mucosa? Reed JD, et al. **Agents Actions** 5(1):1–3, Feb 75
Cardiovascular effects of nucleoside analogs. Stein HH, et al. **Ann NY Acad Sci** 255(751106–751230–2):380–9, 8 Aug 75
Triplennamine and dopamine-induced neurogenic vasodilatation. Buylaert W, et al.
Arch Int Pharmacodyn Ther 220(2):327–8, Apr 76
Mesenteric vasodilator effect of 5-hydroxytryptamine: possible enteric neuron mediation. Fara JW.
Arch Int Pharmacodyn Ther 221(2): 235–49, Jun 76
Vasodilator effect of thrombins prepared from normal or deficient human or canine plasmas. Iatridis PG, et al.
Blood Vessels 13(3):181–92, 1976
Effect of a new vasodilator (flunarizine) on the cerebral circulation. Toyoda M, et al. **J Neurol Sci** 25(3):371–5, Jul 75
A comparative study between the cardiovascular effects of cetiedil, a new vasodilator, and papaverine and aminophylline. Simaan JA, et al. **J Pharmacol Exp Ther** 198(1):176–86, Jul 76
An electron microscopic observation on the cytological changes in the experimental drug-induced lipidosis. Tashiro Y. **Keio J Med** 24(2):115–43, Apr 75
Dopamine-like renal and mesenteric vasodilation caused by apomorphine 6-propylnorapomorphine and 2-amino-6, 7-dihydroxy-1,2,3,4-tetrahydronaphthalene. Crumly HJ Jr, et al. **Nature** 259(5544):584–7, 19 Feb 76
RA 642, a pyrimido-pyrimidine-derivative with vasodilating and hypertensive potency. Kadatz R, et al.
Naunyn Schmiedebergs Arch Pharmacol 292(2):97–103, 25 Feb 76
The vasodilator action of angiography with Urografin 60% on the basal vessels of the brain of the baboon. du Boulay G, et al. **Neuroradiology** 9(3):133–7, 7 Aug 75
[Coronary collateral vessels after long-term treatment with fendiline hydrochloride in a double-blind study (author's transl)] Knoche H, et al. **Arzneim Forsch** 25(11):1781–2, Nov 75 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Regulation of mean arterial pressure by computer control of vasoactive agents in postoperative patients. pp. 91–4. Sheppard LC, et al.
In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.
[Influence of coronary-effective substances on the concentration of nonesterified fatty acids in the serum of patients with angina pectoris] Urbaszek W, et al.
Z Gesamte Inn Med 30(1):15–8, 1 Jan 75 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Letter: Adverse reactions to prazosin. Rees J, et al.
Br Med J 3(5983):593, 6 Sep 75
[Prazosin, a new peripheral vasodilator agent compared with hydralazine] Rasmussen K, et al. **Ugeskr Laeger** 138(32):1940–3, 2 Aug 76 **(Dan)**
[Dysrhythmias linked with phenoxedil (author's transl)] Puech P, et al. **Ann Cardiol Angeiol (Paris)** 25(4):297–302, Jul–Sep 76 (Eng. Abstr.) **(Fre)**
[Letter: Possible responsibility of a peripheral vasodilator agent, fenoxedil, in the occurrence of heart rhythm disorders] Barraine R, et al. **Nouv Presse Med** 4(42):3008–9, 6 Dec 75 **(Fre)**
[Letter: Cardiac rhythm disorders after taking fenoxedil chlorhydrate] Bosc E, et al. **Nouv Presse Med** 4(31):2269, 27 Sep 75 **(Fre)**
[Letter: Spike torsade. Possibly caused by a peripheral vasodilator: fenoxedil] Guillou M, et al.
Nouv Presse Med 4(29):2118 (1), 13 Sep 75 **(Fre)**

ANALYSIS

Immunohistochemical localization of a vasodilatory polypeptide (VIP) in cerebrovascular nerves. Larsson LI, et al. **Brain Res** 113(2):400–4, 27 Aug 76

CHEMICAL SYNTHESIS

[Synthesis of N-substituted isoindolines] Chimenti F, et al. **Farmaco [Sci]** 30(11):884–90, Nov 75 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Vasocilators in the canine mesenteric circulation. Evaluation of a potential aid in the diagnosis of gastrointestinal bleeding. Sovak M, et al. **Invest Radiol** 10(6):595–307, Nov–Dec 75
[Pharmacodynamic renovasography. Comparison of the diagnostic value of adrenergic and cholinergic substances] Vělín S. **Cas Lek Cesk** 114(25):763–70, 20 Jun 75 (Eng. Abstr.) **(Cze)**

METABOLISM

[Biopharmaceutic study of fenoxedil 14C in the large white swine] Dormard Y. **Farmaco [Prat]** 30(9):424–36, Sep 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Comparison of the effect of compound RA233 and bencyclane on platelet functions—with special reference to the effect on C-AMP metabolism. Ryo R.
Acta Haematol Jpn 39(1):97–108, Feb 76
Chemical and pharmacological properties of urotensin I, a long acting mammalian hypotensive peptide. Lederis K.
Acta Physiol Lat Am 24(5):481–3, 1974
Influence of acidosis on noradrenaline-induced vasoconstriction in adipose tissue and skeletal muscle. Hjemdahl P, et al. **Acta Physiol Scand** 97(3):319–24, Jul 76
Influence of vasodilators upon function and metabolism of ischemic myocardium. da Luz PL, et al. **Am J Cardiol** 37(4):581–7, 31 Mar 76
The effect of various vasoactive compounds upon the uterine vascular bed. Resnik R, et al. **Am J Obstet Gynecol** 125(2):201–6, 15 May 76
Sodium nitroprusside as a coronary vasodilator in man: a comparison of the effects of sodium nitroprusside and papaverine hydrochloride on aortocoronary saphenous vein graft flow. Larsen PB, et al. **Ann Thorac Surg** 21(1):16–8, Jan 76
Influence of preexperimental blood pressure level on hypotensive responses to vasodilator drugs. Serrano JS, et al. **Arch Farmacol Toxicol** 1(2):91–8, Aug 75
Direct renal hemodynamic effects of two vasodilators: diazoxide and acetylcholine. Chrysant SG, et al.
Arch Int Pharmacodyn Ther 217(1):44–56, Sep 75
Effect of etafenone on total and regional myocardial blood flow. Flohr H, et al. **Arzneim Forsch** 25(9):1400–3, Sep 75
Proceedings: Is there any influence of vasoactive drugs on microflow and local PO2 of the brain cortex? Leniger-Follert E, et al. **Arzneim Forsch** 26(6):1242, 1976
Systemic and coronary hemodynamic effects of Abbott (40557) and its interaction with aminophylline. Afonso S, et al. **Basic Res Cardiol** 70(4):390–400, Jul–Aug 75
Coronary vasodilation by fatty acids. Hülsmann WC.
Basic Res Cardiol 71(2):179–91, Mar–Apr 76
Mechanism of plasminogen activator and factor VIII increase after vasoactive drugs. Mannucci PM, et al.
Br J Haematol 30(1):81–93, May 75
Proceedings: Alterations to vasodilator effects of isoprenaline in the dog following intra-arterial infusions with isoprenaline, salbutamol and orciprenaline. Collier PS, et al. **Br J Pharmacol** 56(3):363P–362P, Mar 76
Diseases of the cardiovascular system. Drugs affecting the cardiovascular system: pharmacological basis of treatment. Gilbert JC. **Br Med J** 2(6026):31–3, 3 Jul 76
Effects of drugs on the negative (backflow) component of velocity patterns in the dog aorta. Kot PA, et al.
Cardiovasc Res 10(1):119–24, Jan 76
Vasodilator administration in the presence of beta-adrenergic blockade. Mroczek WJ, et al. **Circulation** 53(6):985–8, Jun 76
Some properties of adenosine deaminase from vascular smooth muscle and its inhibition by various vasodilators. Meisel P, et al. **Cor Vasa** 18(1):56–65, 1976
Effects of papaverine, chloracyzine, and bencyclane on local blood flow and oxygen tension in cat brain. Saratikov AS, et al. **Cor Vasa** 17(2):125–32, 1975
Coronary circulation in experimental traumatic shock, and effect of some vasoactive agents on its parameters. Tsibin YN, et al. **Cor Vasa** 18(1):66–73, 1976
Effects of physalaemin, a vaso-active peptide from amphibian skin, on the excitability of an identifiable molluscan giant neurone of Achatina fulica Férussac. Takeuchi H, et al.
Experientia 32(5):606–8, 15 May 76
Muscle metabolism investigated at rest and during exercise and/or pharmacological treatment by vasodilators. Benzi G, et al. **Farmaco [Sci]** 31(1):3–20, Jan 76
Experimental pharmacological investigations of effects of nifedipine on atrioventricular conduction in comparison with those of other coronary vasodilators. pp. 40–8. Taira N, et al.
In: Lochner W, et al., ed. New therapy of ischemic heart disease. Berlin, Springer, 1975. W3 IN789 1974n.
Neuronally-induced vasodilator response in the splanchnic region of the chloralosed cat. Hamilton TC.
J Pharm Pharmacol 27(11):878–80, Nov 75
Effect of coronary vasodilators on cardiac dynamics of the normal dog and the dog with experimental coronary sclerosis. Saito D. **Jpn Circ J** 40(4):363–97, Apr 76 (70 ref.)
Morocromen, a new 2-oco-benzopyranylcarboxamide with strong coronary activity. Becker KH, et al.
Naturwissenschaften 63(3):148–9, Mar 76
Coronary responses to dilating substances and competitive inhibition by theophylline in the isolated perfused guinea pig heart. Bünger R, et al. **Pfluegers Arch** 358(3):213–24, 28 Jul 75
Response of the microvasculature in experimental mammary tumors in C3H mice to selected vasoactive drugs. Puffer HW, et al. **Proc West Pharmacol Soc** 18:133–5, 1975
Pharmacoangiographic evaluation of the hemodynamic significance of coronary artery stenoses. Bookstein JJ, et al. **Radiology** 117(1):5–10, Oct 75
Coronary vasodilator properties of ethyl adenosine 5-carboxylate hydrochloride (Abbott-40557). Somani P.
Recent Adv Stud Cardiac Struct Metab 7:413–20, 1975
Influence of cerebral vasoconstricting and vasodilating agents on blood flow in regions of focal ischemia. Hanson EJ Jr, et al. **Stroke** 6(6):642–8, Nov–Dec 75
The effects of coronary vasodilatation on cardiac performance during endotoxin shock. Peyton MD, et al.
Surg Gynecol Obstet 143(4):533–8, Oct 76
Effect of vasodilators (Halidor, Tolazoline, Papaverine) as reflected by muscle oxymetry. Kiss T, et al. **Ther Hung** 21(3–4):152–6, 1973
Effects of anti-inflammatory, anticoagulant and vasoactive compounds on tail bleeding time, whole blood coagulation time and platelet retention by glass beads in rats. De Clerck F, et al. **Thromb Res** 8(2):179–93, Feb 76
The effects of intraperitoneal vasodilators on peritoneal clearances. Nolph KD, et al.
Trans Am Soc Artif Intern Organs 22:586–94, 1976
[Thermodiagnostic study on vasodilator effects of Neopeviton] Kadeřávek F. **Fysiatr Reumatol Vestn** 53(4):220–6, Aug 75 (Eng. Abstr.) **(Cze)**
[Pharmacology of a new cardiotropic drug : (dichloro-2, 3-methoxy 4) phenyl furyl-2-0-(diethylamino-ethyl)-ketone-oxime (ANP 4364)] Bessin P, et al. **C R Acad Sci [D] (Paris)** 281(5–8):463–6, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**
[Dependence of angiotensin II induced drinking on local cerebral vasomotor function in rats] Crouzy R.
C R Acad Sci [D] (Paris) 281(19):1417–20, 10 Nov 75 (Eng. Abstr.) **(Fre)**
[Action of 2,4,6-trimethoxyphenyl (3-pyrrolidino)propylketone on exocrine pancreas and biliary secretions in the rat] Debray C, et al. **Therapie** 30(2):259–66, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[Effect of (2,4,6-trimethoxy)phenyl-(3-pyrrolidino)propylketone or LL 1656 on the femoral blood flow in the dog. Comparison with papaverine] Duteil J, et al. **Therapie** 30(2):207–19, Mar–Apr 75 (Eng. Abstr.) **(Fre)**
[The influence on pedicle flap blood supply and necrosis rate of plastic displacement with pentoxifylline and dextran 40] Olivari VN, et al. **Arzneim Forsch** 25(5):745–8, May 75 (Eng. Abstr.) **(Ger)**
[Adaptational behaviour of peripheral and central acoustic responses in guinea pigs under the influence of various fractions of an extract from Gingko biloba (author's transl)] Stange G, et al. **Arzneim Forsch** 26(3):367–74, 1976 (Eng. Abstr.) **(Ger)**
[Examination of macular function under the influence of vasoactive drugs of various chemical origin] Ivanoff N.
Ber Dtsch Ophthalmol Ges (73):166–9, 1975 **(Ger)**
[Effect of vasodilator agents on i.o. (intraocular) pressure] Leydhecker W, et al. **Ber Dtsch Ophthalmol Ges** (73):315–20, 1975 **(Ger)**
[Renal blood flow after selective injection of different dosages of diatrizoate into the renal artery. An experimental study in the dog (author's transl)] Burgener FA, et al.
Fortschr Geb Roentgenstr Nuklearmed 123(4):331–4, Oct 75 (Eng. Abstr.) **(Ger)**
[The effectiveness of vasopressors and vasodilators for pharmaco-dynamic renal angiography (author's transl)] Vělín S, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):216–25, Mar 76 (Eng. Abstr.) **(Ger)**
[Intramuscular pH-determinations on canine hindlimbs during rest, following acute arterial occlusion and following the use of vasodilator agents] Frisius H, et al.
Verh Dtsch Ges Inn Med 81:884–7, 1975 **(Ger)**
[Cerebral vascular effects of a new derivative of 1,4-dihydropyridine (YC-93), with special reference to its

effect on the experimental basilar artery spasm in cats (author's transl)] Handa J. **Arch Jpn Chir** 44(4):343–51, 1 Jul 75 (Eng. Abstr.) **(Jpn)**

[Action mechanism and effects of ifenprodil on the regional blood flow, especially on cerebrovascular circulation] Hagihara Y. **Folia Pharmacol Jpn** 71(7):709–25, Oct 75 (Eng. Abstr.) **(Jpn)**

[Phamacolofical studies of ifenprodil] Maeda Y, et al. **Folia Pharmacol Jpn** 71(6):585–95, Sep 75 (Eng. Abstr.) **(Jpn)**

[Pharmacology of cornary dilator agent, trapymin. (2) Analysis of its mode of action] Ohnishi H, et al. **Folia Pharmacol Jpn** 71(7):727–38, Oct 75 (Eng. Abstr.) **(Jpn)**

[Analysis of the mode of action of ifenprodil on cerebral and peripheral circulation in dogs] Ozawa H, et al. **Folia Pharmacol Jpn** 71(5):517–26, Jul 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Activities of drugs for heart diseases and blood platelet aggregation in vitro] Kuzutani F, et al. **Jpn Circ J** 39(7):887–8, Jul 75 **(Jpn)**

[Effect of coronary artery dilating agents and cardiac glycosides on myocardial blood flow in acute radiation sickness] Banaszkiewicz W. **Pol Tyg Lek** 30(37):1539–41, 15 Sep 75 **(Pol)**

[The mechanism of nonachlazine on cardiac activity and blood supply] Kaverina NV, et al. **Biull Eksp Biol Med** 80(11):48–50, Nov 75 (Eng. Abstr.) **(Rus)**

[The mechanism of the diuretic action of chlorazicin] Vorontsov VV. **Biull Eksp Biol Med** 80(11):53–7, Nov 75 (Eng. Abstr.) **(Rus)**

[Effect of dibazol, euphylline, No-Spa and galidor on thrombocyte osmotic resistance and blood clot retraction] Kremeva VF, et al. **Farmakol Toksikol** 38(3):324–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Mechanism of action of vasodilator agents on the collateral blood flow into an area of acute myocardial ischemia] Sapozhkov AV. **Farmakol Toksikol** 38(2):177–80, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Analysis of the phenomenon of lowered cerebral blood flow in cats under prolonged intracarotid microinfusion of vasodilator substances] Usov LA, et al. **Fiziol Zh SSSR** 61(10):1539–41, Oct 75 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of complamin action on cerebral vessels] Eninia GI, et al. **Klin Med (Mosk)** 53(8):138–40, Aug 75 (Eng. Abstr.) **(Rus)**

[Role of pH of the cerebrospinal fluid in the action of a vasodilator agent, No-Shpa, on cerebral blood flow] Mirzoian SA, et al. **Zh Eksp Klin Med** 15(4):3–9, 1975 **(Rus)**

[Experimental data on the effect of vasodilator agents on CSF dynamics] Makinskiĭ TA. **Zh Nevropatol Psikhiatr** 74(1):64–6, 1974 (Eng. Abstr.) **(Rus)**

POISONING

Letter: Prazosin overdose. McClean WJ. **Med J Aust** 1(16):592, 17 Apr 76

STANDARDS

[One method of studying regional blood flow] Paskov D, et al. **Eksp Med Morfol** 13(3):199–205, 1974 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Peripheral vasodilators in the treatment of cardiac failure. Forrester JS, et al. **Adv Cardiol** 17:123–32, 1976

Systemic and renal hemodynamic effects of bupicomide: a new vasodilator. Chrysant SG, et al. **Am Heart J** 92(3):335–9, Sep 76

Drugs in the management of hypertension. Part III. Page LT, et al. **Am Heart J** 92(2):252–9, Aug 76

Vasodilator drugs in peripheral vascular disease. Coffman JD. **Am J Hosp Pharm** 32(12):1276–81, Dec 75 (59 ref.)

Editorial: Peripheral vasodilators. Miller RR, et al. **Am J Hosp Pharm** 32(12):1231–2, Dec 75

Editorial: Vasodilator therapy for heart failure. Chatterjee K. **Ann Intern Med** 83(3):421–3, Sep 75

Vasodilator drug therapy in acute myocardial infarction. Walinsky P. **Cardiovasc Clin** 7(2):279–84, 1975

Effects of vasodilator therapy for severe pump failure in acute myocardial infarction on short-term and late prognosis. Chatterjee K, et al. **Circulation** 53(5):797–802, May 76

Vasodilator therapy for chronic left ventricular failure. Kovick RB, et al. **Circulation** 53(2):322–8, Feb 76

Hemodynamic effects of vasodilator agents in dogs with experimental ventricular septal defects. Synhorst DP, et al. **Circulation** 54(3):472–7, Sep 76

Treatment of essential hypertension with trimazosin, a new vasodilator agent. Vlachakis ND, et al. **Curr Ther Res** 17(6):564–9, Jun 75

Drugs for dementia. **Drug Ther Bull** 13(22):85–7, 24 Oct 75

Trials of 3,7-dimethyl-1-(5-oxohexyl) xanthine (BL 191) in double-blind tests. Buckert D, et al. **Farmaco [Prat]** 31(5):264–74, May 76

Vasodilator therapy in acute myocardial infarction. Moskowitz L. **Heart Lung** 4(6):939–45, Nov–Dec 75

Present basis of coronary therapy. pp. 2–10. Lochner W.
In: Lochner W, et al., ed. New therapy of ischemic heart disease. Berlin, Springer, 1975. W3 IN789 1974n.

Impedance reduction by pharmacological and mechanical means in the management of severe power failure of the heart. pp. 213–25. Swan HJ.
In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.

Vasodilator drugs in peripheral vascular disease. Coffman JD. **J Maine Med Assoc** 66(10):262–9, Oct 75 (59 ref.)

High-dose, short-term local urokinase for clearing femoral thrombi by vasodilation and thrombolysis. Gurll NJ, et al. **J Surg Res** 20(5):381–8, May 76

Proceedings: Influence of various vasodilators and hypotensive drugs upon the retinal arterioles of spontaneously hypertensive rats. Irinoda K, et al. **Jpn Heart J** 16(3):311, May 75

Prevention of thrombosis in arterial and venous microanastomoses by using topical agents. Swartz WM, et al. **Plast Reconstr Surg** 58(4):478–81, Oct 76

The role of vasoactive agents in shock therapy. Ogburn P. **Vet Clin North Am** 6(2):287–95, May 76 (12 ref.)

[Prazosin, a new peripheral vasodilator agent compared with hydralazine] Rasmussen K, et al. **Ugeskr Laeger** 138(32):1940–3, 2 Aug 76 **(Dan)**

[Medical treatment of optic nerve contusions] Campinchi R, et al. **Bull Soc Ophtalmol Fr** 74(4):417–20, Apr 74 **(Fre)**

[Eutergine and retinal arteriosclerosis] Ourgaud AG, et al. **Bull Soc Ophtalmol Fr** 75(5–6):591–607, May–Jun 75 **(Fre)**

[Fenoxedil in cerebral and spinal cord circulatory insufficiency] Lehembre P, et al. **Lille Med** 21(1 suppl 1):1–3, Jan 76 **(Fre)**

[Clinical trial of fenoxedil in peripheral artery diseases] Warembourg H, et al. **Lille Med** 21(1 suppl 1):4–7, Jan 76 (Eng. Abstr.) **(Fre)**

[Bronchodilator properties of a vasodilator: cetiedil] Orehek J, et al. **Nouv Presse Med** 5(25):1577–8, 19 Jun 76 **(Fre)**

[Vasomotor substances and anti-inflammatory agents in the treatment of phlebitis] Marmasse J. **Phlebologie** 28(1):75–7, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Clinical study of injectable LA. 1211 in intensive coronary care units] Quiret JC, et al. **Sem Hop Ther** 51(10):535–38, Dec 75 **(Fre)**

[Pain phenomena due to cancer chemotherapy. their modification under the influence of certain vasodilator agents] Cluzan R, et al. **Therapie** (4):617–20, Jul–Aug 75 **(Fre)**

[Treatment of acute cerebral ischaemia with low-molecular dextran: results of a retrospective study (author's transl)] Gottstein U, et al. **Dtsch Med Wochenschr** 101(7):223–7, 13 Feb 76 (Eng. Abstr.) **(Ger)**

[Newer examinations on the behavior of Depressan in various forms of hypertension] Hantschmann L. **Hippokrates** 46(2):267–8, Jun 75 **(Ger)**

[Coronary insufficiency and its therapy] pp. 235–8. Schneider KW.
In: Gross D et al., ed. Ischamie. Stuttgart, Schattauer, 1975. W3 AS588N 1972i. **(Ger)**

[Effect of coronary vasodilator agents on the increase of coronary resistance during ischemia] Schäfer W, et al. **Langenbecks Arch Chir** Suppl:65–9, 1975 (Eng. Abstr.) **(Ger)**

[Stellate ganglion blocks and vasodilator drugs in the treatment of perceptive deafness (author's transl)] Meuser W, et al. **Laryngol Rhinol Otol (Stuttg)** 55(1):66–9, Jan 76 (Eng. Abstr.) **(Ger)**

[Mode of action of pentoxifyllin] Müller R, et al. **Med Monatsschr** 29(11):487–91, Nov 75 **(Ger)**

[Effect of heparin, aggregation inhibitors and vasoactive substances on chronic-obliterative vascular diseases] Wenzel E, et al. **Med Welt** 27(25):1242–7, 18 Jun 76 **(Ger)**

[Effect of vasodilator agents on oral glucose tolerance and serum insulin in intravenous long-term treatment of blood circulation disorders involving peripheral arteries] Heidrich H, et al. **Verh Dtsch Ges Inn Med** 81:1496–7, 1975 **(Ger)**

[Parameters for the measurement of long-term effects of an orally administered drug in organic and functional circulatory disorders. Preliminary communication] Schuster CJ, et al. **ZFA** 52(2):105–10, 20 Jan 76 **(Ger)**

[Hyperbaric oxygen and coronary dilator agents in experimental necrosis of the myocardium in rats] Cifaldi S, et al. **Boll Soc Ital Biol Sper** 51(7):390–2, 15 Apr 75 **(Ita)**

[Use of peripheral vasodilator drug in peripheral and cerebrovascular syndromes of old age] Andalò L, et al. **Clin Ter** 74(5):471–84, 15 Sep 75 **(Ita)**

[Clinical considerations on the use of a drug with vasodilating hemokinetic action in cerebral and peripheral vascular diseases] Florio F, et al. **Minerva Cardioangiol** 24(2):161–70, Feb 76 (Eng. Abstr.) **(Ita)**

[Clinico-statistical controlled evaluation of the anti-anginous and myocardiotropic activity of a new substance: 2-benzofuryl-p-chlorophenyl carbinol (Chloridarol)] Valiensi M, et al. **Minerva Cardioangiol** 24(1):25–37, Jan 76 (Eng. Abstr.) **(Ita)**

[Current problems in the pharmacotherapy of vascular diseases] Cahn J. **Minerva Med** 67(25):1621–7, 19 May 76 **(Ita)**

[Use of cloridarol in coronary insufficiency] Mossuti E, et al. **Minerva Med** 67(21):1394–7, 30 Apr 76 (Eng. Abstr.) **(Ita)**

[Clinical experience with carnaculin in menopausal disorders. A double blind study] Oike T, et al. **Clin Endocrinol (Tokyo)** 23(9):937–47, Sep 75 **(Jpn)**

[Methodological aspects of clinical evaluation of coronary agents] Jasiński K, et al. **Pol Arch Med Wewn** 54(2):215–21, Aug 75 **(Pol)**

[Coronary drugs: facts and assumptions (author's transl)] Jasiński K. **Przegl Lek** 32(7):573–9, 1975 **(Pol)**

[Editorial: Therapeutic management of the intermediate syndrome] Benchimol AB, et al. **Arq Bras Cardiol** 29(1):1–3, Feb 76 **(Por)**

[Mechanism of the antianginal action of nonachiazine] Chumburidze VB. **Farmakol Toksikol** 39(1):46–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of certain drugs, used in treatment of chronic coronary insufficiency, on adenosine metabolism] Khalfen ESh, et al. **Kardiologiia** 15(7):51–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Treatment of chronic ischemic heart disease in the light of data on pathophysiology of coronary circulation] Shkhvatsabaia IK. **Kardiologiia** 15(7):5–15, Jul 75 **(Rus)**

[Use of curantyl in combination with potassium-containing preparations in chronic ischemic heart disease] Vasilevskiĭ VV, et al. **Klin Med (Mosk)** 54(2):40–2, Feb 76 (Eng. Abstr.) **(Rus)**

[Changes in the parameter of asymmetry of EEG wave fronts in patients with cerebral circulatory disorders treated with instenon] Lebedeva NV, et al. **Zh Nevropatol Psikhiatr** 75(11):1619–24, 1975 (Eng. Abstr.) **(Rus)**

[Angina pectoris by effort. Effect of Bay a 1040] Arce Gómez E, et al. **Prensa Med Mex** 41(1–2):56–62, Jan–Feb 76 **(Spa)**

TOXICITY

[Experimental data on the toxicity of nonachlazine, a new antianginal agent] Mitrofanov VS, et al. **Farmakol Toksikol** 38(6):732–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

VASOMOTOR RHINITIS see **HAY FEVER**

VASOMOTOR SYSTEM

Proceedings• Adrenergic vascular effects in the regulation of transmural myocardial perfusion. Bassenge E, et al. **Arzneim Forsch** 26(6):1246–7, 1976

Proceedings: Sympathetic mechanisms at pial arteries. Kuschinsky W, et al. **Arzneim Forsch** 26(6):1246, 1976

Innervation and responses to vasoactive drugs of the extrinsic uterine artery of the macaque. Bell C. **Cardiovasc Res** 10(4):482–6, Jul 74

Failure of histamine antagonists to prevent hypoxic pulmonary vasoconstriction in dogs. Tucker A, et al. **J Appl Physiol** 40(4):496–500, Apr 76

Threshold burning effects on distant microcirculation. IV: Development of an in vitro method for demonstrating vaso-activity in postburn plasma. Jelenko C, et al. **J Surg Res** 20(1):7–10, Jan 76

Pharmacological analysis of the adrenergic control of the cerebral circulation. Mirzoyan RS. **Med Biol** 53(6):493–500, Dec 75

Vasospastic diseases: a review. Coffman JD, et al. **Prog Cardiovasc Dis** 18(2):123–46, Sep–Oct 75

[Gustatory sweating and its relations to the quadrant syndrome] Achenbach R. **Hautarzt** 26(6):293–8, Jun 75 **(Ger)**

[Remarks on vasomotor etiopathogenesis of Ménière's disease] Popiel L. **Otolaryngol Pol** 29(6):569–71, 1975 **(Pol)**

[Effect of prolonged intermittent action of cold and heat on the development of vasomotor disorders of the hand] Mackiewicz Z. **Pol Przegl Chir** 47(9):1109–16, Sep 75 (Eng. Abstr.) **(Pol)**

[Vasomotor syndromes in chronic cerebral arachnoiditis] Kukhtevich II, et al. **Vrach Delo** (8):55–9, Aug 75 (Eng. Abstr.) **(Rus)**

[Oxygen regimes in the bodies of patients with a vegetative-vascular hypothalamic syndrome in hypoxic hypoxia] Dinaburh HD, et al. **Fiziol Zh** 20(3):299–303, May–Jun 74 (Eng. Abstr.) **(Ukr)**

[The vegetative-vascular hypothalamic syndrome (clinico-physiologic characteristics and treatment)] Makarchenko OF, et al. **Fiziol Zh** 20(5):632–8, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

ANATOMY & HISTOLOGY

[Histochemical studies of the vasomotor innervation of the central retinal artery] Jabloński J. **Klin Oczna** 45(12):1267–7, Dec 75 (Eng. Abstr.) **(Pol)**

[Adrenergic innervation of the extramedullary arteries of the spinal cord of cats] Palashchenko LD. **Arkh Anat Gistol Embriol** 69(8):42–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Localization of the bulbar projections of aortic nerve fibers in rabbits] Foia NM, et al. **Fiziol Zh** 20(6):785–8, Nov–Dec 74 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Changes in intestinal vascular diameter during norepinephrine vasoconstrictor escape. Guth PH, et al. **Am J Physiol** 230(6):1466–8, Jun 76

Histamine H1- and H2-receptors in pulmonary and systemic vasculature of the dog. Tucker A, et al. **Am J Physiol** 229(4):1008–13, Oct 75

Local effects of anesthetics on regional hypoxic pulmonary vasoconstriction. Benumof JL, et al. **Anesthesiology** 43(5):525–32, Nov 75

Letter: Data added to published report. Muldoon SM. **Anesthesiology** 44(2):186, Feb 76

Triplennamine and dopamine–induced neurogenic vasodilatation. Buylaert W, et al. **Arch Int Pharmacodyn Ther** 220(2):327–8, Apr 76

Influence of anesthesic agents on small vessel response to norepinephrine. Miller FN, et al. **Bibl Anat** 13:157–8, 1975

In vitro response of ovine and bovine uterine arteries to prostaglandin F2 alpha and periarterial sympathetic nerve stimulation. Ford SP, et al. **Biol Reprod** 15(1):58–65, Aug 76

The effect of methoxyflurane on pulmonary vascular resistance and hypoxic pulmonary vasoconstriction in the isolated perfused cat lung. Sykes MK, et al. **Br J Anaesth** 48(3):191–4, Mar 76

Histamine receptors in peripheral vascular beds in the cat. Flynn SB, et al. **Br J Pharmacol** 55(2):181–8, Oct 75

Proceedings: The response of the peripheral circulation to an infusion of Dextran 40. Humphreys WV, et al. **Br J Surg** 63(8):661, Aug 76

Modification by prostaglandins E1 and E2, indomethacin, and arachidonic acid of the vasoconstrictor responses of the isolated perfused rabbit and rat mesenteric arteries to adrenergic stimuli. Malik KU, et al. **Circ Res** 39(2):163–8, Aug 76

Inhibition of bradykinin vasodilation and potentiation of norepinephrine and angiotensin vasoconstriction by inhibitors of prostaglandin synthesis in skeletal muscle of the rat. Messina EJ, et al. **Circ Res** 37(4):430–7, Oct 75

The effects of morphine on venous tone in patients with acute pulmonary edema. Vismara LA, et al. **Circulation** 54(2):335–7, Aug 76

Interactions between the hydrogen ion concentration and vasoconstrictor responses to catecholamines and sympathetic nerve stimulation. Dusting GJ, et al. **Clin Exp Pharmacol Physiol** Suppl 2:43–8, 1975 (31 ref.)

Physiological cortisol levels block the inhibition of vascular reactivity produced by prolactin. Horrobin DF, et al. **Endocrinology** 99(2):406–10, Aug 76

Vasopressor, diuretic, and natriuretic responses to angiotensins by the American eel, Anguilla rostrata. Nishimura H, et al. **Gen Comp Endocrinol** 29(3):337–48, Jul 76

Vasodilator responses to K+ in genetic hypertensive and in renal hypertensive rats. Overbeck HW, et al. **J Lab Clin Med** 86(6):973–83, Dec 75

Responses of isolated human basilar arteries to 5–hydroxytryptamine, noradrenaline, serum, platelets, and erythrocytes. Starling LM, et al. **J Neurol Neurosurg Psychiatry** 38(7):650–6, Jul 75

Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO2 responsiveness. Aoyagi M, et al. **J Neurosurg** 43(6):689–705, Dec 75

Neurogenic control of cerebral blood flow in the baboon. Kawamura Y, et al. **J Neurosurg** 43(6):676–88, Dec 75

Influence of inhibitors of prostaglandin synthesis on venoconstrictor responses to bradykinin. Goldberg MR, et al. **J Pharmacol Exp Ther** 198(2):357–65, Aug 76

Bronchial circulation: an auto–perfusion method for assessing its vasomotor activity and the study of alpha– and beta–adrenoceptors in the bronchial artery. Lung MA, et al. **Life Sci** 19(4):577–80, 15 Aug 76

Histamine receptors in the vasculature of the rabbit ear. Ercan ZS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(1):23–9, 3 Nov 75

Investigation into some imidazoline compounds, with respect to peripheral alpha–adrenoceptor stimulation and depression of cardiovascular centers. Kobinger W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(2):175–91, 21 Nov 75

Stimulation of sympathetic cardiovascular centres by RA 642, a new pyrimido–pyrimidine derivative. Kobinger W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):105–11, 25 Feb 76

Responsiveness of isolated canine cerebral and peripheral arteries to ergotamine. Müller–Schweinitzer E. **Naunyn Schmiedebergs Arch Pharmacol** 292(2):113–8, 25 Feb 76

Effects of prostaglandins on cerebral blood vessels: interaction with vasoactive amines. Rosenblum WI. **Neurology (Minneap)** 25(12):1169–71, Dec 75

Effect of adrenergic neuron inhibitors on the vascular response to sympathetic nerve stimulation. Kisin I. **Pharmacology** 14(4):351–6, 1976

Pharmacology of vascular control. Shanks RG. **Postgrad Med J** 50(587):560–1, Sep 74

Effects of indomethacin and PGE1 on the vasoconstrictor responses of the rabbit ear artery to nerve stimulation. Hadházy P, et al. **Prostaglandins** 11(2):241–50, Feb 76

Effect of beta–adrenergic blockade with propranolol on cerebral blood flow, autoregulation and CO2 responsiveness. Aqyagi M, et al. **Stroke** 7(3):291–5, May–Jun 76

Quantitative in vitro vasoactivity of 5–hydroxytryptamine on the human basilar artery. Yashon D, et al. **Surg Neurol** 3(6):295–300, Jun 75

Cadmium and vascular reactivity in the rat. Porter MC, et al. **Toxicol Appl Pharmacol** 34(1):143–50, Oct 75

Severe vasospasm following ergot administration. Robb LG. **West J Med** 123(3):231–5, Sep 75

[Comparison of the vein tonus effect of dried horse chestnut extract and a combination of essential phospholipids and dried horse chestnut extract] Balansard P, et al. **Therapie** 30(6):907–17, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

[Effects of alpha–methyldopa and its metabolites on adrenergic vasoregulator centers. In vitro study] Cohen Y, et al. **Therapie** 31(2):195–203, Mar–Apr 76 (Eng. Abstr.) **(Fre)**

[Reflexphotometric determinations of vasoconstriction after topical application of steroids. V. Vasoconstriction phaenomenon and tachyphylaxis after repeated steroid application (author's transl)] Altmeyer P, et al. **Arch Dermatol Res** 255(1):51–6, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[Reflexphotometric determinations of vasoconstriction after topical application of steroids. IV. Time slope of vasoconstriction and reactive vasodilatation (author's transl)] Altmeyer P, et al. **Arch Dermatol Res** 255(1):43–50, 10 Mar 76 (Eng. Abstr.) **(Ger)**

[Influence of digitoxin on isolated segments of lateral branches of human vena saphena (author's transl)] Salles Meirelles R, et al. **Arzneim Forsch** 26(5):910–4, 1976 (Eng. Abstr.) **(Ger)**

[Test of venoconstriction in humans; an improved technic for quantitative evaluation of venous spasm] Del Bianco PL, et al. **Boll Soc Ital Biol Sper** 51(14):883–8, 30 Jul 75 **(Ita)**

[Clinical pharmacology of pindolol on vasomotor receptors] Rumboldt Z, et al. **Boll Soc Ital Biol Sper** 51(14):895–900, 30 Jul 75 **(Ita)**

[On tachyphylaxis to adrenaline: study of drug effects on beta–adrenergic venous receptors in humans] Sicuteri F, et al. **Boll Soc Ital Biol Sper** 51(14):889–94, 30 Jul 75 **(Ita)**

[Effect of dopamine on perfusion pressure in rat peripheral blood vessels] Ozawa H, et al. **Folia Pharmacol Jpn** 71(1):61–9, Jan 75 (Eng. Abstr.) **(Jpn)**

[Mechanism of action of nonachlazin on nervous regulation of coronary circulation] Bendikov EA, et al. **Biull Eksp Biol Med** 81(3):319–22, Mar 76 (Eng. Abstr.) **(Rus)**

[The effect of catecholamines on the pressor and depressor centers of the medulla oblongata] Chuang Ch'un, et al. **Fiziol Zh** 20(5):672–6, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

METABOLISM

[Histochemical study of the vasomotor innervation of the internal carotid artery basin] Borodulia AV, et al. **Fiziol Zh SSSR** 61(10):1473–7, Oct 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Caliber changes in the cutaneous microvessels as related to changes in basal metabolism in diabetics. Ditzel J, et al. **Bibl Anat** 13:219–21, 1975

The effect of brain stem lesions on vasomotor nerves and the smooth muscle of the cerebral arteries—a morphological study. Kanaya H, et al. **Neurol Med Chir (Tokyo)** 15 pt 1:1–6, 1975

PHYSIOLOGY

Neural control of cochlear blood flow. Suga F. **Acta Otolaryngol (Stockh)** 81(1–2):26–35, Jan–Feb 76

Pharmacological investigations on peripheral vasoconstriction induced with chronic exposure to vibration. Jurczak ME. **Acta Physiol Pol** 26(6):599–604, Nov–Dec 75

Hypoxic pulmonary vasoconstriction: inhibition due to anesthesia. Bjertnaes LJ, et al. **Acta Physiol Scand** 29(2):283–5, Feb 76

Effect of spinal sympathetic blockade upon local regulation of blood flow in subcutaneous tissue. Henriksen O, et al. **Acta Physiol Scand** 95(1):83–8, Sep 75

Effect of somaesthetic denervation upon the vasoconstrictor response in human subcutaneous tissue. Henriksen O. **Acta Physiol Scand** 96(3):431–2, Mar 76

Effect of chronic sympathetic denervation upon local regulation of blood flow in human subcutaneous tissue. Henriksen O. **Acta Physiol Scand** 97(3):377–84, Jul 76

Vasomotor nerve control of isolated arteries and veins. Ljung B, et al. **Acta Physiol Scand** 94(4):506–16, Aug 75

Beta adrenergic dilator component of the sympathetic vascular response in skeletal muscle. Influence on the micro–circulation and on transcapillary exchange. Lundvall J, et al. **Acta Physiol Scand** 96(2):180–92, Feb 76

Affinity of Noradrenaline and dopamine for neural alpha–receptors mediating negative feedback control of noradrenaline secretion in human vasoconstrictor nerves. Stjärne L, et al. **Acta Physiol Scand** 95(1):89–94, Sep 75

Beta2–adrenoceptors facilitating noradrenaline secretion from human vasoconstrictor nerves. Stjärne L, et al. **Acta Physiol Scand** 97(1):88–93, Mar 76

Temperature measurements and photoelectric plethysmography in the evaulation of acute and long–term effects of acupuncture upon vasomotor activity of hand skin: a methodological study. Laitinen J. **Am J Chin Med** 4(1):61–8, Spring 76

Effects of carotid hypotension on aortic hemodynamics in the unanesthetized dog. Cox RH, et al. **Am J Physiol** 229(5):1376–80, Nov 75

Coronary vascular sympathetic beta–receptor innervation. Hamilton FN, et al. **Am J Physiol** 230(6):1569–76, Jun 76

Interplay among carotid sinus, cardiopulmonary, and carotid body reflexes in dogs. Mancia G, et al. **Am J Physiol** 230(1):19–24, Jan 76

Forelimb blood flow distribution during hypothalamic dilator response. Menninger RP, et al. **Am J Physiol** 230(6):1561–8, Jun 76

Participation of beta receptors in reflex vasodilatation in the dog. Rengo F, et al. **Am J Physiol** 230(5):1444–8, May 76

Vasomotor inhibition in rabbits by vagal nonmedullated fibers from cardiopulmonary area. Thorén PN, et al. **Am J Physiol** 229(5):1410–3, Nov 75

Pulmonary vasomotor tone during general anesthesia and deliberate hypotension in man. Fahmy NR, et al. **Anesthesiology** 45(1):3–13, Jul 76

Autonomic vasomotor tone in the pulmonary circulation. Fishman AP. **Anesthesiology** 45(1):1–2, Jul 76

Vascular and noradrenalic reactions in the musculocutaneous bed during hypothalamic stimulation. Van Bogaert A, et al. **Arch Int Physiol Biochim** 83(2):309–23, May 75

Proceedings: Adrenergic and non–adrenergic transmitter systems in vascular smooth muscle. Gebert G, et al. **Arzneim Forsch** 26(6):1234–5, 1976

Changes in blood flow and capillary exchange surface during vasodilation and/or microembolization in skeletal muscle. Benner KU, et al. **Bibl Anat** 13:167–8, 1975

Thermography and vasomotor test. Selig D, et al. **Bibl Radiol** (6):191–202, 1975

Importance of adrenergic neuronal uptake in termination of action: some aspects. Folkow B. **Blood Vessels** 13(4):253–5, 1976

Depression by local cooling of 3H–norepinephrine release evoked by nerve stimulation in cutaneous veins. Vanhoutte PM, et al. **Blood Vessels** 13(1–2):92–9, 1976

Observations on peripheral and central temperatures with particular reference to the occurrence of vasoconstriction. Brock L, et al. **Br J Surg** 62(8):589–95, Aug 75

The probabilistic behavior of central 'vasomotor' neurons. Gebber GL. **Brain Res** 96(1):142–6, 10 Oct 75

Studies on the hemodynamic changes induced by electrical stimulation of the vagosympathetic trunks in the dog. Rengo F, et al. **Cardiology** 60(2):98–112, 1975

Renal vasoconstriction in naturally elicited fear and its habituation in baboons. Zbrozyna AW. **Cardiovasc Res** 10(3):295–300, May 76

Basal vascular tone in the kidney. Evaluation from the static pressure–flow relationship under normal autoregulation and at maximal dilation in the dog. Gross R, et al. **Circ Res** 38(6):525–31, Jun 76

Cutaneous and muscular rasodilation in the canine hindlimb evoked by central stimulation. Lang WJ, et al. **Circ Res** 38(6):560–6, Jun 76

Pharmacological evidence for a central alpha–sympathomimetic mechanism controlling blood pressure and heart rate. Laubie M, et al. **Circ Res** 38(6 Suppl 2):35–41, Jun 76 (71 ref.)

Neurogenic sympathetic vasoconstriction of the rabbit basilar artery. Lee TJ, et al. **Circ Res** 39(1):120–6, Jul 76

Evidence for a dual innervation affecting local blood flow in the hypothalamus of the conscious rabbit. Rosendorff C, et al. **Circ Res** 38(3):140–5, Mar 76

Spinal adrenergic mechanisms regulating sympathetic outflow to blood vessels. Taylor DG, et al. **Circ Res** 38(6 Suppl 2):10–20, Jun 76

Role of heart and lung receptors with nonmedullated vagal afferents in circulatory control. Thorén PN, et al. **Circ Res** 38(6 Suppl 2):2–9, Jun 76 (48 ref.)

Reflex vasodilation induced by coronary angiography in human subjects. Zelis R, et al. **Circulation** 53(3):490–3, Mar 76

Relationship between physical vascular properties and smooth muscle function: its importance for vascular control and reactivity. Folkow B. **Clin Exp Pharmacol Physiol** Suppl 2:55–61, 1975 (21 ref.)

Relation of efferent impulse activity in splenic nerve to reflexly induced reactions of resistance and capacitance vessels to spleen. Tkachenko BI, et al. **Experientia** 32(8):1012–4, 15 Aug 76

Prejunctional inhibition of adrenergic nervous vasomotor control due to beta receptor blockade. pp. 201–10. Dahlöf C, et al. **In: Almergren O, et al., ed. Chemical tools in catecholamine research II. Amsterdam, North–Holland, 1975. QV 129 C517 1975 v.2.**

Changes in cold–induced vasodilation during Arctic exercises. Livingstone SD. **J Appl Physiol** 40(3):455–7, Mar 76

Pulmonary vasomotor nerve responses in isolated perfused lungs of Macaca mulatta and Papio species. de Burgh Daly I, et al. **J Physiol (Lond)** 250(3):463–73, Sep 75

Proceedings: Hind limb vasodilatation evoked by stimulation of the motor cortex. Hilton SM, et al. **J Physiol (Lond)** 252(2):22P–23P, Nov 75

Action of sympathetic nerves of inner and outer muscle of sheep carotid artery, and effect of pressure on nerve distribution. Keatinge WR, et al. **J Physiol (Lond)** 257(3):699–712, Jun 76

Proceedings: The influence of the sympathetic nervous system on the microcirculation of skeletal muscle. Marshall JM. **J Physiol (Lond)** 258(2):118P–119P, Jun 76

Proceedings: Reflex vasodilation of the central nervous system in response to heat. Murakami I, et al. **J Physiol Soc Jpn** 36(8–9):392, 1 Sep 74

Regulatory role of prostaglandins in the vascular system. Gryglewski R, et al. **Mater Med Pol** 7(4):314–21, Oct–Dec 75

Neurogenic influence on local cerebral blood flow. Effect of catecholamines or sympathetic stimulation as correlated

with the sympathetic innervation. Sercombe R, et al. **Neurology (Minneap)** 25(10):954–63, Oct 75

Psychogenic and neurogenic effects on the intact forearm vein of man. Burch GE. **Pavlov J Biol Sci** 10(3):130–41, Jul–Sep 75

Response pattern of cutaneous postganglionic neurones to the hindlimb on spinal cord heating and cooling in the cat. Gregor M, et al. **Pfluegers Arch** 363(2):135–40, 12 May 76

Vasoconstrictor and pilomotor fibres in skin nerves to the cat's tail. Grosse M, et al. **Pfluegers Arch** 361(3):221–9, 24 Feb 76

Activation and inhibition of muscle and cutaneous postganglionic neurones to hindlimb during hypothalamically induced vasoconstriction and atropine-sensitive vasodilation. Horeyseck G, et al. **Pfluegers Arch** 361(3):231–40, 24 Feb 76

Vasomotor response to thermal stimulation of the scrotal skin in rats. Neya T, et al. **Pfluegers Arch** 363(1):15–8, 6 May 76

Studies on the nature of the vasodilator fibers running in the lumbar sympathetic chain of the dog. Rengo F, et al. **Pharmacology** 13(6):539–48, 1975

Central noradrenergic regulation of cerebral blood flow and vascular permeability. Raichle ME, et al. **Proc Natl Acad Sci USA** 72(9):3726–30, Sep 75

Stimulus specificity of electrodermal recovery time: an examination and reinterpretation of the evidence. Bundy RS, et al. **Psychophysiology** 12(4):406–11, Jul 75

Some factors influencing the vasomotor response to cold pressor stimulation. Lovallo W, et al. **Psychophysiology** 12(5):499–505, Sep 75

Effects of isometric muscle tension on vasomotor activity and heart rate. Lynch WC, et al. **Psychophysiology** 13(3):222–30, May 76

Instrumental control of peripheral vasomotor responses in children. Lynch WC, et al. **Psychophysiology** 13(3):219–21, May 76

Cephalic and digital vasomotor orienting responses: the effect of stimulus intensity and rise time. Öster PJ, et al. **Psychophysiology** 12(6):642–8, Nov 75

Factors causing and reversing vasoconstriction in unventilated lung. Howard P, et al. **Respir Physiol** 24(3):325–45, Sep 75

Effects of hyperbaric oxygenation on cerebral vasomotor tone in acute intracranial hypertension: an experimental study. Nagao S, et al. **Resuscitation** 4(1):51–9, 1975

Foot vascular resistance index: a noninvasive method to assess foot vasomotor tone. Shanik G, et al. **Surgery** 78(4):446–52, Oct 75

[Vascular reflex responses during skeletal muscle contraction in dogs] Clément D, et al. **Arch Mal Coeur** 68(3):311–3, Mar 75 (Eng. Abstr.) **(Fre)**

[Research on the neuro-humoral regulation of circulation. Analysis of the cardiovascular and respiratory reflex responses induced by intracarotid injection of bradykinin] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(1):85–106, 1974 (Eng. Abstr.) **(Ita)**

[Research on neuro-humoral regulation of the circulation. Study of the cardiovascular and respiratory reflex responses caused by stimulation of chemoreceptors sensitive to bradykinin in the femoral circulatory region] Tallarida G, et al. **Boll Soc Ital Cardiol** 19(1):61–83, 1974 (Eng. Abstr.) **(Ita)**

[Changes in periodontal plethysmograms in relation to physiological conditions] Andrei M, et al. **Rev Chir [Stomatol]** 22(4):267–72, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Age changes in rat vasomotor reflexes and sympathetic neuron ultrastructure following chemical sympathectomy] Borisov MM, et al. **Biull Eksp Biol Med** 79(6):21–4, Jun 75 (Eng. Abstr.) **(Rus)**

[The role of adrenergic structures in the control of cerebral circulation] Bugaev SA. **Biull Eksp Biol Med** 81(1):9–12, Jan 76 (Eng. Abstr.) **(Rus)**

[Reactions of the volume vessels of skeletal muscles to adrenergic stimulation at different levels of venous pressure] Kudrashov IuA. **Fiziol Zh SSSR** 62(5):711–8, May 76 (Eng. Abstr.) **(Rus)**

[Responses of small intestine tissue chemoreceptors to change in the pCO2, pH and (HCO3-) in perfusion solutions] Lebedeva VA, et al. **Fiziol Zh SSSR** 62(2):264–74, Feb 76 (Eng. Abstr.) **(Rus)**

[Characteristics of the functional behavior of different cerebral arteries and angiospasm location in them] Mchedlishvili GI, et al. **Fiziol Zh SSSR** 61(10):1478–85, Oct 75 (Eng. Abstr.) **(Rus)**

[Heat content of the body as a basic parameter of thermoregulation] Slepchuk NA, et al. **Fiziol Zh SSSR** 62(1):121–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Comparative assessment of phase shifts in arterial pressure upon stimulation of the caudate nucleus and hypothalamus] Stremousov BA. **Fiziol Zh SSSR** 61(7):1083–6, Jun 75 **(Rus)**

[The interaction of pressor and depressor mechanisms in the autoregulation of arterial pressure] Sudakov KV, et al. **Fiziol Zh SSSR** 61(9):1388–96, Sep 75 (Eng. Abstr.) **(Rus)**

[Correlation between changes in the efferent impulsation in the splenic nerve and reflex responses in the resistance and capacitance vessels of the spleen] Tkachenko BI, et al. **Fiziol Zh SSSR** 61(4):585–92, Apr 75 (Eng. Abstr.) **(Rus)**

[Pressor reflexes and changes in sympathetic impulsation and the responses of intestinal and renal vessels] Vinogradova MI, et al. **Fiziol Zh SSSR** 62(2):246–53, Feb 76 (Eng. Abstr.) **(Rus)**

[State of vascular regulation and regional hemodynamics in the crew of 'Soiuz-12' and 'Soiuz-13' spaceships before and after flight] Iarullin KhKh, et al. **Kosm Biol Aviakosm Med** 10(2):22–30, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Participation of different groups of afferent fibers of mesenteric nerves in vasomotor reflexes] Lukoshkova EV. **Neirofiziologiia** 7(4):395–402, 1975 (Eng. Abstr.) **(Rus)**

[Role of vasomotor reaction after surgery of senile cataract] Posazhennikov AP. **Oftalmol Zh** 30(8):598–600, 1975 (Eng. Abstr.) **(Rus)**

[Spinal cord vasomotor reflexes--critique of the concept of a bulbar vasomotor center] Lukoshkova EV. **Probl Kosm Biol** 31:135–57, 1975 **(Rus)**

[Seasonal changes in cutaneous blood vessel tone in the frog Rana esculenta] Tsybenko VA, et al. **Zh Evol Biokhim Fiziol** 11(2):153–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Vasomotor reflexes in the vascular bed in skin of extremities induced by a deep breath (author's transl)] Kellerová E. **Bratisl Lek Listy** 64(5):616–25, Nov 75 (Eng. Abstr.) **(Slo)**

[Serotoninic receptors] Hong E. **Bol Estud Med Biol Suppl** 1:319–25, 1974 **(Spa)**

PHYSIOPATHOLOGY

Evidence for the involvement of vasoactive constitutents of mast cells in axon reflex vasodilatation in the skin of the rat. Kiernan JA. **Acta Hepatogastroenterol (Stuttg)** 255(1):1–8, 10 Mar 76

Mechanisms of blood vessel constriction during hemorrhage. Hall JE, et al. **Am J Physiol** 230(3):569–78, Mar 76

Vascular response to short-term systemic hypoxia, hypercapnia, and asphyxia in the cat. Weissman ML, et al. **Am J Physiol** 230(3):595–601, Mar 76

Preservation of hypoxic pulmonary pressor response in canine pneumococcal pneumonia. Hiser W, et al. **Am Rev Respir Dis** 112(6):817–22, Dec 75

Predictive value of sympathetic cardiovascular reflexes and urinary catecholamines when selecting patients for antihypertensive treatment with beta-adrenergic blocking drugs. Iisalo E, et al. **Ann Clin Res** 7(2):71–5, Apr 75

Hot flashes and sweats in men with testicular insufficiency. Feldman JM, et al. **Arch Intern Med** 136(5):606–8, May 76

Contribution of increased vascular smooth muscle contraction to the maintenance of one-kidney and two-kidney renovascular hypertension in the rat. Gaskell P, et al. **Bibl Anat** 13:321–2, 1975

Reactivity to oxygen and permeability of small blood vessels. Vascular function tests. Ramalho PS. **Bibl Anat** 13:203–9, 1975

Disturbance of the contractility of the precapillary resistance vessels as an additional cause of oedema in trauma. Sandegård J, et al. **Bibl Anat** 13:184–5, 1975

Sympathetic nerve activity: role in regulation of blood pressure in the spontaenously hypertensive rat. Judy WV, et al. **Circ Res** 38(6 Suppl 2):21–9, Jun 76

Baroreceptor and vasomotor function in neurological disease. Appenzeller O. **Int J Neurol** 9(3–4):247–61, 1975

Plethysmographic study in the patients with non-specific complaints in the head-cervico-brachial regions: with a special reference to laterality in vasomotor responses and 'cervical sympathetic dysharmony'. Katayama Y, et al. **J Neural Transm** 38(1):59–69, 1976

Decreased vascular relaxation in hypertension. Cohen ML, et al. **J Pharmacol Exp Ther** 196(2):396–406, Feb 76

Vasospasm and adrenergic innervation of circle of Willis. Odake G, et al. **Jpn J Surg** 4(4):222–30, Dec 74

Alteration of metastases distribution by vaso-dilating drugs. Boeryd B, et al. **Pathol Eur** 10(3):197–201, 1975

Changes in sichemic coronary vasodilation produced by blood, plasma, and saline infusions. Bittar N, et al. **Recent Adv Stud Cardiac Struct Metab** 10:475–82, 1975

Comparative study of cerebral vasoactivity in vascular sclerosis of the brain in elderly men. Dekoninck WJ, et al. **Stroke** 6(6):673–7, Nov–Dec 75

Abnormal cerebrovascular response to altered PaCO2 in baboons with obstructive jaundice. McCalden TA, et al. **Stroke** 7(2):190–3, Mar–Apr 76

Neurogenic regulation of cerebral blood flow following ischemia. Zervas NT, et al. **Stroke** 7(2):113–8, Mar–Apr 76

Letter: Acute vasospasm. Hunt WE. **Surg Neurol** 6(2):136, Aug 76

Mechanisms of circulatory dysfunction in orthostatic hypotension. Kontos HA, et al. **Trans Am Clin Climatol Assoc** 87:26–35, 1976

[The visceral vascular bladder reflex in cerebral lesions] Timmermans L. **J Urol Nephrol (Paris)** 80(12 pt 2):229–37, Dec 74 **(Fre)**

[Unpublished morpho-functional aspects of vasoconstriction in shock] Brînzeu P, et al. **Morphol Embryol (Bucur)** 21(2):145–7, 1975 **(Fre)**

[Arterial regulation in labile hypertension: the behavior of some humoral indices during orthostatism] Pirrelli A, et al. **Boll Soc Ital Cardiol** 20(4):377–83, 1975 (Eng. Abstr.) **(Ita)**

[Morphological studies of gastric vasoconstriction, with special reference to ulcerative changes induced by restraint] Hattori T. **Jpn J Gastroenterol** 72(10):1240–51, Oct 75 (Eng. Abstr.) **(Jpn)**

[Retinal vascular spasm. Autonomic mediation. Treatment] Cristea E. **Rev Chir [Oftalmol]** 19(4):283–5, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Vasomotor disorders in patients with multiple sclerosis] Ionescu M. **Rev Med Intern [Neurol Psihiatr]** 20(1):29–32, Jan–Mar 75 (Eng. Abstr.) **(Rum)**

[Vasomotor reactions of the body and their sequelae in various methods of artificial circulation (a clinical and experimental study)] Burakovskiĭ VI, et al. **Grudn Khir** (6):7–16, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Capacitance vessels in normal and pathological states] Tkachenko BI, et al. **Patol Fiziol Eksp Ter** (4):12–20, Jul–Aug 75 (69 ref.) **(Rus)**

ULTRASTRUCTURE

Spatial neuromuscular relations in rabbit ear arteries. pp. 279–85. Govyrin VA.
In: Bülbring E, Shuba MF, ed. Physiology of smooth muscle. New York, Raven Press, 1976. WE 500 S9893p 1974.

VASOPRESSIN

Carbon-13 nuclear magnetic resonance studies of the interaction of specifically labeled (90%-13C) oxytocin and arginine vasopressin with neurophysins. Blumenstein M, et al. **Biochem Biophys Res Commun** 68(4):1052–8, 23 Feb 76

The adsorption of lysine vasopressin at ionized interfaces. Fettiplace R, et al. **Biochim Biophys Acta** 436(3):593–612, 1 Jul 76

Neurohypophysial hormones. pp. 145–77. Bisset GW.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (274 ref.)

Reaction of tetranitromethane with lutropin, oxytocin, and vasopressin. Burleigh BD, et al. **J Biol Chem** 251(2):308–15, 25 Jan 76

Binding studies of polypeptide hormones to bovine neurophysins. Glasel JA, et al. **J Biol Chem** 251(10):2929–37, 25 May 76

Interactions of oxytocin and vasopressin with bovine neurophysins I and II. Effects of hormone binding on the protein quaternary structure: a simple model. Nicolas P, et al. **J Biol Chem** 251(13):3965–71, 10 Jul 76

Pathophysiologic and pharmacologic alterations in the release and action of ADH. Moses AM, et al. **Metabolism** 25(6):697–721, Jun 76

[Diabetes insipidus. Diagnosis and treatment with DDAVP (Minurin)] Steiness I. **Ugeskr Laeger** 138(25):1505–10, 14 Jun 76 (Eng. Abstr.) **(Dan)**

[Vasopressin--chemical structure, function and clinical use] Yoshida S. **Jpn J Clin Med** 34(3):627–31, 1976 **(Jpn)**

E1Age and the development of coronary insufficiency under the influence of vasopressin] Golovchenko SF. **Biull Eksp Biol Med** 81(6):647–50, Jun 76 (Eng. Abstr.) **(Rus)**

[Production of antibodies against vasopressine and ocitocine immunizing with saline extracts of human posterior hypophysis, and their detection by an hemagglutination test] Malacara JM, et al. **Rev Invest Clin** 28(02):129–35, Apr–Jun 76 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Angiographic management of bleeding following transcolonoscopic polypectomy. Carlyle DR, et al. **Am J Dig Dis** 20(12):1196–1201, Dec 75

Efficacy of selective splanchnic arteriography and vasopressin perfusion in diagnosis and treatment of gastrointestinal hemorrhage. Johnson WC, et al. **Am J Surg** 131(4):481–9, Apr 76

Radioprotection of the digestive tract by intravenous infusion of vasopressin. Juillard GJ, et al. **Gynecol Oncol** 3(3):233–43, Sep 75

Superior mesenteric arterial infusion of vasopressin in hemorrhage from esophageal varices. A controlled investigation. pp. 147–52. Conn HO, et al.
In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 161d 1974.

An improved method of estimation of small amounts of antidiuretic activity. Davis WG. **J Pharm Pharmacol** 28(6):520–1, Jun 76

Arterial vasoconstrictor therapy for bleeding oesophageal varices. Palmer FJ, et al. **Med J Aust** 1(6):143–6, 7 Feb 76

Should vasopressin be administered before, during or after volume replacement? Skivolocki WP, et al. **Rev Surg** 32(4):296–7, Jul–Aug 75

[PVP-storage disease] Bojsen-Moller M, et al. **Ugeskr Laeger** 138(17):1017–20, 19 Apr 76 (Eng. Abstr.) **(Dan)**

[Experience with combined vasopressin-corticosteroid therapy for brain tumors (author's transl)] Kajikawa H, et al. **J Jpn Soc Cancer Ther** 10(1):88–93, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Partial mesenteric arterial occlusion with subsequent ischemic bowel damage due to pitressin infusion. Roberts C, et al. **Am J Roentgenol** 126(4):829–31, Apr 76

Spontaneous bacterial peritonitis induced by intraarterial vasopressin therapy. Bar-Meir S, et al. **Gastroenterology**

70(3):418–21, Mar 76

ANALOGS & DERIVATIVES

Radioimmunoassay of (8–arginine)–vasopressin. I. Methodology. Czernichow P, et al. **Acta Endocrinol (Kbh)** 80(3):444–52, Nov 75

The development of a radioimmunoassay for arginine vasopressin. Freisenhausen HD, et al. **Acta Endocrinol (Kbh)** 83(1):50–63, Sep 76

Radioimmunoassay of (8–arginine)–vasopressin. II. Application to determination of antidiuretic hormone in urine. Merkelbach U, et al. **Acta Endocrinol (Kbh)** 80(3):453–64, Nov 75

In vivo activation of synthetic hormonogens of lysine vasopressin: Na–glycyl–glycyl–glycyl–[8–lysine]vassopressin in the cat. Pliška V, et al. **Acta Endocrinol (Kbh)** 81(3):474–81, Mar 76

Turnover of catecholamines in some regions of the rat brain during prolonged vasopressin administration and after its withdrawal. Szadowska A, et al. **Acta Physiol Pol** 27(3):265–8, May–Jun 76

The effect of prolonged vasopressin administration on the level and metabolism of catecholamines in the rat brain and kidneys. Szmigielska H. **Acta Physiol Pol** 27(3):259–64, May–Jun 76

Recovery of ADH activity in the urine of goats under normal and stimulated conditions. Lishajko F, et al. **Acta Physiol Scand** 95(1):102–9, Sep 75

Effects of vasopressin in experimental nephroangiography. Göthlin J, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):609–17, Nov 75

Vasopressin analog DDAVP in the treatment of diabetes insipidus. Lee WP, et al. **Am J Dis Child** 130(2):166–9, Feb 76 (13 ref.)

Actions of vasopressin–related peptides on glycogen metabolism in the perfused rat liver. Whitton PD, et al. **Biochem Pharmacol** 25(4):405–7, 15 Feb 76

Partial purification and characterization of post–proline cleaving enzyme: enzymatic inactivation of neurohypophyseal hormones by kidney preparations of various species. Walter R. **Biochim Biophys Acta** 422(1):138–58, 23 Jan 76

Proceedings: The influence of halothane on plasma vasopressin concentrations during cardiopulmonary bypass. Simpson P, et al. **Br J Anaesth** 48(3):265–6, Mar 76

Peptide regulation of neuronal membrane properties. Barker JL, et al. **Brain Res** 103(1):167–70, 13 Feb 76

Localization of vasopressin in discrete areas of the rat hypothalamus. George JM, et al. **Brain Res** 93(2):363–6, 8 Aug 75

Effect of vasopressin on plasma volume and renin release in man. Khokhär AM, et al. **Clin Sci Mol Med** 50(5):415–24, May 76

Effect of vasopressin on uric acid excretion: evidence for distal nephron reabsorption of urate in man. Meisel A, et al. **Clin Sci Mol Med** 51(1):33–40, Jul 76

Radioimmunoassay of arginine vasopressin in Rhesus monkey plasma. Hayward JN, et al. **Endocrinology** 98(4):975–81, Apr 76

Inhibition of the antidiuretic effect of 1–deamino–8d–arginine vasopressin (DDAVP) by glibenclamide in water–loaded healthy subjects. Radó JP, et al. **Endokrinologie** 66(1):88–93, Sep 75

Relationship between the dose of 1–deamino–8–d–arginine vasopressin (ddavp) and the antidiuretic response in man. Radó JP, et al. **Endokrinologie** 66(2):184–95, 1975

Lengthening of the duration of action of DDAVP by 'ineffective' doses of clofibrate in patients with pituitary diabetes insipidus. Radó JP, et al. **Endokrinologie** 67(2):220–9, Jun 76

Circular–dichroic spectra of vasopressin analogues and their cyclic fragments. Frič I, et al. **Eur J Biochem** 56(2):493–502, 15 Aug 75

DPAVP: a vasopressin analog with selective microvascular and RES actions for the treatment of circulatory shock in rats. Altura BM. **Eur J Pharmacol** 37(1):155–67, May 76

Histamine as an extremely potent releaser of vasopressin in the rat. Dogterom J, et al. **Experientia** 32(5):659–60, 15 May 76

Influence of adrenergic blocking agents on lysine–vasopressin induced plasma cortisol response in man. Cugini P, et al. **Folia Endocrinol (Roma)** 27(6pt2):678–84, Dec 74

Neurohypophysial hormones in fetal life and pregnancy. II. Chromatographic studies in the sheep (Ovis aries). Vizsolyi E, et al. **Gen Comp Endocrinol** 29(1):41–50, May 76

Effect of an oral contraceptive on the lysine–8–vasopressin test in the diagnostic evaluation of pituitary function. Penttilä IM, et al. **Horm Metab Res** 8(4):299–302, Jul 76

Prolongation of duration of action of 1–deamino–8–D–arginine vasopressin (DDAVP) by ineffective doses of clofibrate in diabetes insipidus. Radó JP, et al. **Horm Metab Res** 7(6):527–8, Nov 75

Individual differences in the antidiuretic response induced by DDAVP in diabetes insipidus. Radó JP, et al. **Horm Metab Res** 8(2):155–6, Mar 76

Radioimmunoassay of arginine vasopressin in human plasma. Uhlich E, et al. **Horm Metab Res** 7(6):501–7, Nov 75

The chemical basis and possible role of carbamino homeostatic mechanisms. pp. 594–604. Morrow JS, et al. **In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p.**

Characterization of the renal antidiuretic hormone receptor—relations of hormone binding to adenylate cyclase activation. p. 190. Roy C. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Fibrinolytic response to venous occlusion and vasopressin in health and thrombotic disease. pp. 121–9. Aberg M, et al. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press. 1975. W1 PR6672 v.1 1975.**

The antidiuretic action of 1–deamino–8–D–arginine vasopressin (DDAVP) in man. Radó JP, et al. **Int J Clin Pharmacol Biopharm** 13(3):199–209, Apr 76

Solid phase synthesis and some pharmacological properties of 8–D–homolysine–vasopressin and 1–deamino–8–D–homolysine–vasopressin. Gunnar E, et al. **Int J Pept Protein Res** 7(5):395–401, 1975

Solid phase synthesis and some pharmacological properties of 8–D–homoarginine–vasopressin and 1–deamino–8–D–homoarginine–vasopressin. Gunnar E, et al. **Int J Pept Protein Res** 8(2):193–8, 1976

Synthesis of peptides by fragment condensation on a solid support. II. A scheme for preparation of 4,8–disubstituted vasopressins evaluated on 8–arginine–vasopressin. Larsson LE, et al. **Int J Pept Protein Res** 8(1):39–44, 1976

Plasma vasopressin and renin activity in women exposed to bed rest and +Gz acceleration. Keil LC, et al. **J Appl Physiol** 40(6):911–4, Jun 76

Solubilization of the [8–lysine]vasopressin receptor and adenylate cyclase from pig kidney plasma membranes. Roy C, et al. **J Biol Chem** 250(19):7885–93, 10 Oct 75

Synthesis of [1–(L– and [1–(D–2–hydroxy–3–mercaptopropanoic acid)–8–lysine]–vasopressin. Wälti M, et al. **J Chem Soc [Perkin I]** (17):1691–4, 1975

Effect of an antiserotoninergic drug, metergoline, on the ACTH and cortisol response to insulin hypoglycemia and lysine–vasopressin in man. Cavagnini F, et al. **J Clin Endocrinol Metab** 43(2):306–12, Aug 76

Diurnal variation of plasma vasopressin in man. George CP, et al. **J Clin Endocrinol Metab** 41(2):332–8, Aug 75

The interaction of blood osmolality and blood volume in regulating plasma vasopressin in man. Robertson GL, et al. **J Clin Endocrinol Metab** 42(4):613–20, Apr 76

Distribution, blood transport, and degradation of antidiuretic hormone in man. Baumann G, et al. **J Clin Invest** 57(5):1109–16, May 76

Effect of 1–deamino–5–D–arginine vasopressin (DDAVP) on plasma cortisol (hydrocortisone). Radó JP, et al. **J Clin Pharmacol** 16(7):333–7, Jul 76

Radioimmunoassay of plasma vasopressin in physiological and pathological states in man. Beardwell CG, et al. **J Endocrinol** 67(2):189–202, Nov 75

Proceedings: Influence of dietary iodine on thyroid hormone levels secreted from mouse thyroid lobes in vitro. Chapman RS, et al. **J Endocrinol** 69(3):6P, Jun 76

Proceedings: Radioimmunoassay of arginine–vasopressin in urine. Khokhar AM, et al. **J Endocrinol** 67(2):66P–67P, Nov 75

Proceedings: Physiological studies of arginine–vasopressin by radioimmunoassay with two immunologically distinct antisera. Thomas TH, et al. **J Endocrinol** 69(3):5P, Jun 76

A heterologous radioimmunoassay for arginine vasopressin. Shimamoto K, et al. **J Lab Clin Med** 87(2):338–44, Feb 76

Synthesis and some pharmacological properties of deamino(4–threonine,8–D–arginine)vasopressin and deamino(8–D–arginine)vasopressin, highly potent and specific antidiuretic peptides, and (8–D–arginine)vasopressin and deamino–arginine–vasopressin. Manning M, et al. **J Med Chem** 19(6):842–5, Jun 76

(4–Phenylalanine)oxytocin, an inhibitor of the antidiuretic effect of 8–arginine–vasopressin. Nestor JJ Jr, et al. **J Med Chem** 18(10):1022–4, Oct 75

Synthesis and some pharmacological properties of (3–beta–(2–thienyl)–L–alanine)–8–lysine–vasopressin. Smith CW, et al. **J Med Chem** 18(8):822–5, Aug 75

Microcirculatory approach to the treatment of circulatory shock with a new analog of vasopressin, (2–phenylalanine, 8–ornithine)vasopressin. Altura BM. **J Pharmacol Exp Ther** 198(1):187–96, Jul 76

Proceedings: The participation of carotid sinus baroreceptors in the control of vasopressin secretion. Forsling ML, et al. **J Physiol (Lond)** 258(2):113P–114P, Jun 76

Is vasopressin involved in the pathogenesis of malignant desoxycorticosterone hypertension in rats? Möhring J, et al. **Lancet** 1(7952):170–3, 24 Jan 76

Plasma ADH in normal Long–Evans rats and in Long–Evans rats heterozygous and homozygous for hypothalamic diabetes insipidus. Möhring B, et al. **Life Sci** 17(8):1307–14, 15 Oct 75

Behavioral and biochemical responses of mice to the intraventricular administration of ACTH analogs and lysine vasopressin. Rees HD, et al. **Life Sci** 18(11):1333–9, 1 Jun 76

Diabetes insipidus treated by DDAVP. Short JR, et al. **Med J Aust** 1(20):756–7, 15 May 76

Differential effects of vasopressin on the water, calcium and lysosomal enzyme contents of mitochondria–rich and lysosome–rich (granular) epithelial cells isolated from bullfrog urinary bladder. Pietras RJ, et al. **Mol Cell Endocrinol** 4(2):89–106, Jan 76

Biological and chiroptical sequelae of graded alkyl substitutions in the vasopressin ring. Cort JH, et al. **Mol Pharmacol** 12(2):313–21, Mar 76

Letter: Response to vasopressin analogues in diabetes insipidus. **N Engl J Med** 295(7):393–4, 12 Aug 76

DDAVP in the treatment of central diabetes insipidus. Robinson AG. **N Engl J Med** 294(10):507–11, 4 Mar 76

Vasopressin dependent adenylate cyclase in single segments of rabbit kidney tubule. Imbert M, et al. **Pfluegers Arch** 357(3–4):173–86, 26 Jun 75

Effects of antidiuretic hormone on intrarenal red cell and plasma volumes in the water diuretic rat. Rasmussen SN. **Pfluegers Arch** 361(1):69–73, 19 Dec 75

The effectiveness of a synthetic vasopressin analogue as a vasoconstrictor. Peterson LJ, et al. **Pharmacol Ther Dent** 2(2):139–46, 1975

The effect of lysine–vasopressin upon short–term recall of a noxious significance. Frucht–Celaru M, et al. **Physiologie** 12(4):285–9, 1975

Effects of lysine–8–vasopressin on punishment–induced suppression of a lever–holding response. Garrud P. **Prog Brain Res** 42:173–86, 1975

Time–dependent anti–amnesic effect of ACTH4–10 and desglycinamide–lysine vasopressin. Rigter H, et al. **Prog Brain Res** 42:163–71, 1975

Plasma renin activity, water excretion and the decay of injected hormones and hormonal effects in rats with protein energy malnutrition. van der Westhuysen JM, et al. **S Afr Med J** 49(43):1799–803, 11 Oct 75

Proceedings: The factor VIII response to synthetic vasopressin analogues in man. Cash JD, et al. **Thromb Diath Haemorrh** 34(2):611, 15 Nov 75

[Long–term experience with treatment of diabetes insipidus with synthetic analogues of neurohypophyseal hormones] Pacovský V, et al. **Sb Lek** 78(6):149–55, Jun 76 (Eng. Abstr.) **(Cze)**

[Treatment of vasopressin–sensitive diabetes insipidus in children with DDAVP] Gerards LJ, et al. **Ned Tijdschr Geneeskd** 119(33):1269–72, 16 Aug 75 (Eng. Abstr.) **(Dut)**

[Test of topical therapeutics in current otorhinolaryngologic practice] Wayoff M. **Ann Otolaryngol Chir Cervicofac** 91(9):539–41, Sep 74 **(Fre)**

[Study of hypothalamo–hypophyso–cortico–adrenal activity in infant malnutrition by determination of lysine–8 vasopressin] Hatemi S, et al. **Pediatrie** 31(5):447–55, Aug 76 (Eng. Abstr.) **(Fre)**

[Clinical experience with DDAVP (1–deamino–8–D–arginine vasopressin), a new synthetic analog of vasopressin, in the treatment of childhood diabetes insipidus] Lebacq E Jr, et al. **Pediatrie** 30(3):265–270, Apr–May 75 **(Fre)**

[The action of triglycylvasopressin on control subjects and patients with upper gastrointestinal bleeding (author's transl)] Aronsen KF, et al. **Klin Wochenschr** 53(16):747–53, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Transitional symptoms, adverse effects and incidents in hormone–substitution therapy] Kaiser W. **Z Gesamte Inn Med** 31(10):305–11, 15 May 76 (Eng. Abstr.) **(Ger)**

[Treatment of diabetes insipidus with DDAVP, a synthetic analog of vasopressin] Kauli R, et al. **Harefuah** 89(1):6–8, 1 Jul 75 (Eng. Abstr.) **(Heb)**

[Studies of a new synthetic vasopressin derivative (DDAVP) in man] Radó J, et al. **Orv Hetil** 117(13):775–8, 28 Mar 76 **(Hun)**

[Influence of propranolol on the response of blood cortisol to lysine–vasopressin and on the daily changes of blood cortisol in the diencephalo–hypophyscal Cushing's syndrome] Cugini P, et al. **Boll Soc Ital Biol Sper** 51(23):1837–43, 15 Dec 75 **(Ita)**

[Influence of propranolol on the response of blood cortisol to lysin vasopressin and on the daily variations of blood cortisol in the Stein–Leventhal syndrome] Cugini P, et al. **Boll Soc Ital Biol Sper** 51(23):1844–9, 15 Dec 75 **(Ita)**

[Study of diencephalo–hypophysial function in obesity, using the lysine–vasopressin test] Scavo D, et al. **Folia Endocrinol (Roma)** 27(6pt2):604–13, Dec 74 (Eng. Abstr.) **(Ita)**

[Therapy of central diabetes insipidus with a new synthetic preparation: DDAVP (1–deamino–8–D arginine vasopressin). Preliminary experience in 5 cases] Bernasconi S, et al. **Minerva Pediatr** 27(5):321–6, 18 Feb 75 (Eng. Abstr.) **(Ita)**

[Effect of intercellular regulators of different classes on the enzymatic reduction of disulfides (phenomenon and possible mechanism)] Kulinskiĭ VI, et al. **Dokl Akad Nauk SSSR** 229(1):220–2, JUL–AUG 76 **(Rus)**

ANALYSIS

The hypothalamic magnocellular neurosecretory system of the guinea pig. II. Immunohistochemical localization of neurophysin and vasopressin in the fetus. Silverman AJ. **Am J Anat** 144(4):445–59, Dec 75

Specificity of oxytocin and vasopressin immunofluorescence. Swaab DF, et al. **J Endocrinol** 66(2):263–72, Aug 75

Distribution of oxytocin and vasopressin in the rat supraoptic and paraventricular nucleus. Swaab DF, et al. **J Endocrinol** 67(3):461–2, Dec 75

Immunofluorescence of vasopressin and oxytocin in the rat hypothalamo–neurohypophypopseal system. Swaab DF, et

al. **J Neural Transm** 36(3–4):195–215, 1975

Fluorometric assay of vasopressin and oxytocin: a general approach to the assay of peptides in tissues. Gruber KA, et al. **Proc Natl Acad Sci USA** 73(4):1314–8, Apr 76

[Immunoreactive vasopressin in the supra-chiasmatic nucleus. Preliminary data in rats] Burlet A, et al. **C R Soc Biol (Paris)** 169(1):148–51, 1975 (Eng. Abstr.) **(Fre)**

[Ultrastructural localization of hypothalamic hormones] Pelletier G, et al. **Union Med Can** 104(3):355–62, Mar 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Psychotropic effects of hypothalamic hormones: immunohistochemical indentification of extrahypophyseal connections of neuroendocrine neurons] Weindl A, et al. **Arzneim Forsch** 26(6):1191–4, 1976 (Eng. Abstr.) **(Ger)**

[Clinical application of the radioimmunological measurement of the antidiuretic hormone] Merkelbach U, et al. **Schweiz Med Wochenschr** 105(50):1690–2, 13 Dec 75 (Eng. Abstr.) **(Ger)**

[Radioreceptor assay of vasopressin] Saito T. **Jpn J Clin Med** 34(3):529–33, 1976 (12 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

The effects of lithium ions on the antidiuretic action of vasopressin in the rat. Jenner FA, et al. **Br J Pharmacol** 55(4):527–34, Dec 75

The inhibition by glucagon of the vasoconstrictor actions of noradrenaline, angiotensin and vasopressin on the hepatic arterial vascular bed of the dog. Richardson PD, et al. **Br J Pharmacol** 57(1):93–102, May 76

alpha-Adrenergic (norepinephrine) effect on antidiuretic hormone activity. Klein LA. **Invest Urol** 13(2):159–64, Sep 75

Effects of cadmium of the hydro-osmotic and natriferic responses to the toad bladder to vasopressin. Bentley PJ, et al. **J Endocrinol** 66(2):273–8, Aug 75

Proceedings: The lack of relationship between the concentration of lithium and the inhibition of the action of vasopressin by lithium in the rat. Jenner FA, et al. **J Physiol (Lond)** 251(1):28P–29P, Sep 75

BIOSYNTHESIS

Proceedings: Immunohistochemical demonstration of the oxytocin and the vasopressin-producing neurons in the magnocellular hypothalamic neurosecretory system of the cow, the rat and the Brattleboro rat. Vandesande F, et al. **Ann Endocrinol (Paris)** 36(6):379–80, Nov-Dec 75

Identification of the vasopressin producing and of the oxytocin producing neurons in the hypothalamic magnocellular neurosecretroy system of the rat. Vandesande F, et al. **Cell Tissue Res** 164(2):153–62, 2 Dec 75

Immuno-cytochemical demonstration of the inability of the homozygous Brattleboro rat to synthesize vasopressin and vasopressin-associated neurophysin. Vandesande F, et al. **Cell Tissue Res** 165(3):307–16, 27 Jan 76

Studies on the hypothalamo-neurohypophysial complex in organ culture. pp. 50–66. Sachs H, et al.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 I65r 1973.

BLOOD

Angiotensin II and vasopressin in haemorrhagic shock. Tehrani MA, et al. **Br J Surg** 62(8):665, Aug 75

Radioimmunoassay of antidiuretic hormone during morphine anaesthesia. Philbin DM, et al. **Can Anaesth Soc J** 23(3):290–5, May 76

Bilateral pneumonia and inappropriate secretion of antidiuretic hormone in a premature infant. Papageorgiou AN, et al. **Can Med Assoc J** 114(12):1119–20, 19 Jun 76

Antidiuretic hormone: episodic nocturnal secretion in adult men. Rubin RT, et al. **Endocr Res Commun** 2(6–7):459–69, 1975

Volume control of plasma antidiuretic hormone concentration following acute blood volume expansion in the anesthetized dog. Shade RE, et al. **Endocrinology** 97(4):1048–57, Oct 75

Adrenocorticotrophin and vasopressin in foetal sheep and the response to stress. pp. 112–25. Alexander DP, et al.
In: Pierrepoint CG, ed. The endocrinology of pregnancy and parturition; experimental studies in the sheep. Cardiff, Alpha Omega Alpha, 1973. WQ 200 E56 1971.

Effect of various states of hydration on plasma ADH and renin in man. Kimura T, et al. **J Clin Endocrinol Metab** 42(1):79–87, Jan 76

Effect of norepinephrine infusion on plasma vasopressin levels in normal human subjects. Shimamoto K, et al. **J Clin Endocrinol Metab** 43(1):201–4, Jul 76

Ewing's sarcoma as a cause of the syndrome of inappropriate secretion of antidiuretic hormone. Zimbler H, et al. **J Clin Endocrinol Metab** 41(2):390–1, Aug 75

Proceedings: Effects of hypoxia and hypercapnia on plasma vasopressin concentration. Forsling ML, et al. **J Endocrinol** 67(2):62P–63P, Nov 75

Proceedings: Plasma vasopressin in foetal lambs. Rurak DW. **J Physiol (Lond)** 256(1):36P–37P, Mar 76

Elevated plasma antidiuretic hormone levels in status asthmaticus. Baker JW, et al. **Mayo Clin Proc** 51(1):31–4, Jan 76

The effect of plasma calcium on plasma ADH levels in anephric patients. Pastoriza-Muñoz E, et al. **Nephron** 16(6):449–61, 1976

Antidiuretic hormone secretion during sleep in adult men. Rubin RT, et al. **Prog Brain Res** 42:121–2, 1975

[Changes in kidney function and the cortisol and ADH levels after peritoneal dialysis with 5% glucose in dogs] Nachev N, et al. **Eksp Med Morfol** 14(3):132–5, 1975 (Eng. Abstr.) **(Bul)**

[Tubular response to antidiuretic plasma activity in the transplanted kidney (author's transl)] Lange H, et al. **Klin Wochenschr** 54(10):493–4, 15 May 76 (Eng. Abstr.) **(Ger)**

[Vasopressin concentration in the blood and sensitivity of the cardiovascular system to it during aging] Frol'kis VV, et al. **Fiziol Zh SSSR** 62(4):586–93, Apr 76 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

An improved solid-phase method for peptide synthesis--the syntheses of oxytocin and vasopressin. **Sci Sin** 18(2):232–41, Mar-Apr 75

DEFICIENCY

The hypothalamic-neurohypophysial system of the rat: localization and quantitation of neurophysin by light microscopic immunocytochemistry in normal rats and in Brattleboro rats deficient in vasopressin and a neurophysin. Sokol HW, et al. **Endocrinology** 98(5):1176–88, May 76

[Effectof carbamyl-dibenzo-azepine and ethyl parachlorophenoxyisobutyrate on urinary excretion of water and solutes in pitressin-deficient diabetes insipidus] Novarini A, et al. **Minerva Nefrol** 22(2–3):148–54, Mar-Jun 75 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Polyuria associated with an antibody to vasopressin. Bisset GW, et al. **Clin Sci Mol Med** 50(4):277–83, Apr 76

METABOLISM

Antidiuretic peptide in mammalian choroid plexus. Rudman D, et al. **Am J Physiol** 230(1):50–5, Jan 76

Proceedings: Identification and origin of the vasopressin-neurophysin containing nerve fibres of the external region of the rat median eminence. Dierickx K, et al. **Ann Endocrinol (Paris)** 36(6):383–4, Nov-Dec 75

Vasopressin release by nicotine: the site of action. Feldberg W, et al. **Br J Pharmacol** 54(4):463–74, Aug 75

Identification, in the external region of the rat median eminence, of separate neurophysin-vasopressin and neurophysin-oxytocin containing nerve fibres. Dierickx K, et al. **Cell Tissue Res** 168(2):141–51, 6 May 76

Identification of separate vasopressin-neurophysin II and oxytocin-neurophysin I containing nerve fibres in the external region of the bovine median eminence. Vandesande F, et al. **Cell Tissue Res** 158(4):509–16, 20 May 75

Depletion of neurohypophysial vasopressin content in rats following hemorrhage. Huang WC, et al. **Chin J Physiol** 21(4):237–43, 31 Dec 74

Neurohypophysial hormones in fetal life and pregnancy. I. Pharmacological studies in the sheep (Ovis aries). Vizsolyi E, et al. **Gen Comp Endocrinol** 29(1):28–40, May 76

PROCEEDINGS: Granule numbers and hormone stores in the rat neurohypophysis during saline dehydration. Livingston A. **J Endocrinol** 69(3):3P, Jun 76

The effect of gradual changes in temperature on the release of hormones from nerve endings isolated from bovine neural lobes. Baker RV, et al. **J Neurochem** 27(1):197–202, Jul 76

Ontogenic development of antidiuretic hormone receptors in rat kidney: comparison of hormonal binding and adenylate cyclase activation. Rajerison RM, et al. **Mol Cell Endocrinol** 4(4):271–85, Mar 76

Ultrastructural identification of granules containing oxytocin and vasopressin. Tasso F, et al. **Nature** 260(5552):621–2, 15Apr 76

Vasopressin and oxytocin are depleted from rat hypothalamic nuclei after oral hypertonic saline. George JM. **Science** 193(4248):146–8, 9 Jul 76

[Distribution of neurosecretion in the supraoptic and paraventricular nuclei of the cow before and following milking] Schneider B. **Arch Exp Veterinaermed** 29(2):313–21, 1975 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of vasopressin on regional splanchnic blood flows in conscious man. Erwald R, et al. **Acta Chir Scand** 142(1):36–42, 1976

Vasopressin tachyphylaxis. A study in conscious man. Erwalo R. **Acta Chir Scand** 142(1):30–5, 1976

Effects of histamine, vasopressin, and angiotensin II on hepatosplanchnic hemodynamics, liver function, and hepatic metabolism in cats. Krarup N. **Acta Physiol Scand** 95(3):311–7, NOV 75

Effect of vasoactive agents on the distribution of renal cortical blood flow in dogs. Tyssebotn I, et al. **Acta Physiol Scand** 95(3):318–28, NOV 75

Pharmacoangiography in experimental tumours. Evaluation of vasoactive drugs. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):329–42, May 76

Target sites of antidiuretic hormone (ADH) and parathyroid hormone (PTH) along the segments of the nephron. Morel F, et al. **Adv Nephrol** 5:283–300, 1975

Inhibitory action of antidiuretic hormone on canine pancreatic exocrine flow. Schapiro H. **Am J Dig Dis** 20(9):853–7, Sep 75

Effect of vasopressin on sodium excretion and plasma antinatriferic activity in the dog. Buckalew VM, et al. **Am J Physiol** 231(1):28–33, Jul 76

Influence of vasopressin and amiloride on shunt pathways of frog skin. O'Neil R, et al. **Am J Physiol** 231(1):164–73, Jul 76

Mass transport across cell membranes: the effects of antidiuretic hormone on water and solute flows in epithelia. Andreoli TE, et al. **Annu Rev Physiol** 38:451–500, 1976 (261 ref.)

Some findings on the fine structure of the neurohypophysis in dehydrated and pitressin-treated mice. Kodama Y, et al. **Arch Histol Jpn** 38(2):121–31, Aug 75

Inhibition of fatty acid synthesis and stimulation of glycogen breakdown by vasopressin in the perfused mouse liver. Ma GY, et al. **Biochem J** 29(2):389–92, Nov 74

Metabolic actions of vasopressin, glucagon and adrenalin in the intact rat. Hems DA, et al. **Biochim Biophys Acta** 411(1):155–64, 10 Nov 75

Activation of adenylate cyclase in renal medulla by bovine growth hormone. An artifact attributable to vasopressin. Leichter SB, et al. **Biochim Biophys Acta** 399(2):291–301, 13 Aug 75

Failure of vasopressin to prevent the natruiretic and diuretic response to unilateral stimulation of carotid baroreceptors. Keeler R. **Can J Physiol Pharmacol** 53(6):1193–7, Dec 75

Potassium depletion induced by vasopressin and overhydration in the rabbit. Barraclough MA. **Clin Sci Mol Med** 49(6):535–41, Dec 75

Paradoxical diuresis after vasopressin administration to patients with neurohypophyseal diabetes insipidus treated with chlorpropamide, carbamazepine or clofibrate. Meinders AE, et al. **Clin Sci Mol Med** 49(4):283–90, Oct 75

Characteristics of vasopressin action on Na transport across the isolated toad skin. Huja BS, et al. **Comp Biochem Physiol [A]** 53(2):187–91, 1976

Seasonal differences in drug- and temperature-dependent changes of the sodium transport across the isolated frog skin. Knapowski J, et al. **Curr Probl Clin Biochem** 4:188–95, 1975

The effect of vasopressin and triglycyl lysine vasopressin (glypressin) on the splanchnic circulation in cirrhotic patients with portal hypertension. Rabol A, et al. **Digestion** 14(3):285–9, 1976

Studies on the corticotrophin-releasing activity of vasopressin, using ACTH secretion by cultured rat adenohypophyseal cells. Yasuda N, et al. **Endocrinology** 98(4):936–42, Apr 76

Influence of vasopressin and oxytocin upon mitotic activity of adenohypophyseal cells in rat. Pawlikowski M, et al **Endokrynol Pol** 26(4):417–20, Jul-Aug 75 (Eng. Abstr.)

Distribution and arteriovenous shunting of gastric blood flow in the baboon: effect of epinephrine and vasopressin infusions. Zinner MJ, et al. **Gastroenterology** 71(2):299–302, Aug 76

The effects of vasopressin on pituitary oxytocin content and plasma renin activity in rats with hypothalamic diabetes insipidus (Brattleboro strain). Balment RJ, et al. **Gen Comp Endocrinol** 26(4):468–77, Aug 75

Studies with cytochalasin B in the isolated rabbit collecting ubule. Possible role of microfilaments in vasopressin action. p. 133. Abramow M, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

The Na+-retaining action of angiotensin II in the rat: inhibition of this action by vasopressin. p. 137. Al-Merani SA, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Indirect characterisation of the antidiuretic receptor (ADR) in the kidneys of man and rat. p. 150. Cort JH, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Effects of vasopressin and cytochalasin B on the apical membrane of the toad bladder and the collecting duct in the mammalian kidney. p. 195. Spinelli F, et al.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Mechanism of plasminogen activator and factor VIII rise induced by vasoactive drugs. pp. 109–10. Mannucci PM.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.

Endocrine pharmacology. pp. 67–83. Parsons JA.
In: Parsons JA, ed. Peptide hormones. Baltimore, Univ Park Press, 1976. QU 60 P424 1976. (53 ref.)

Proceedings: Vasopressin-induced changes in plasma renin activity in the Brattleboro rat. Balment RJ, et al. **J Endocrinol** 67(2):61P–62P, Nov 75

Osmotic inhibition of the natriferic response of the toad urinary bladder to vasopressin. Bentley PJ. **J Endocrinol** 67(1):119–25, Oct 75

Proceedings: Actions of cortisol, antidiuretic hormone and prolactin on fluid movements across the amniotic membrane of the guinea-pig. Manku MS, et al. **J Endocrinol** 68(3):13P, Mar 76

Proceedings: Effects of prolactin, antidiuretic hormone and aldosterone in the polyuric syndrome produced by lithium treatment in male rats. Mtabaji JP, et al. **J Endocrinol** 67(2):57P, Nov 75

Variation in the effects of antidiuretic hormone on the isolated skin of the toad, Scaphiopus couchi. Hillyard SD. **J Exp Zool** 195(2):199–206, Feb 76

Nature of the water permeability increase induced by antidiuretic hormone (ADH) in toad urinary bladder and related tissues. Finkelstein A. **J Gen Physiol** 68(2):137–43, Aug 76

Actions of external hypertonic urea, ADH, and theophylline on transcellular and extracellular solute permeabilities in frog skin. Mandel LJ. **J Gen Physiol** 65(5):599–615, May 75

Alkylating derivatives of amino acids and peptides. Synthesis of N-maleoylamino acids, [1-(N-maleoylglycyl)cysteinyl]oxytocin. Effects on vasopressin-stimulated water loss from isolated toad bladder. Rich DH, et al. **J Med Chem** 18(10):1004–10, Oct 75

Study of enzymes regulating vasopressin-stimulated cyclic AMP metabolism in separated mitochondria-rich and granular epithelial cells of toad urinary bladder. Handler JS, et al. **J Membr Biol** 26(1):43–50, 17 Feb 76

Effects of Cd++ on short-circuit current across epithelial membranes. I. Interactions with Ca++ and vasopressin on frog skin. Hillyard SD, et al. **J Membr Biol** 26(2–3):109–19, 18 Mar 76

The hydrosmotic effect of vasopressin: a scanning electron-microscope study. Spinelli F, et al. **J Membr Biol** 23(2):139–56, 29 Aug 75

Effect of ethanol on the water permeability and short-circuit current of the urinary bladder of the toad and the response to vasopressin, adenosine-3',5'-monophosphate and theophylline. Meier KE, et al. **J Pharmacol Exp Ther** 196(1):231–7, Jan 76

Effect of steroid depletion on the response of toad bladder to vasopressin. Debnam ES, et al. **J Physiol (Lond)** 251(2):371–82, Oct 75

Surface modifications evoked by antidiuretic hormone in isolated epithelial cells: evidence from lectin probes. Pietras RJ, et al. **J Supramol Struct** 3(5–6):391–400, 1975

Vasopressin-sensitive kidney adenylate cyclase: modulation of the hormonal response. Roy C. **J Supramol Struct** 4(2):289–303, 1976

Simultaneous isoproterenol affords cardiodynamic advantages during vasopressin administration. Sirinek KR, et al. **J Surg Res** 20(4):299–308, Apr 76

Effect of vasopressin on mesenteric blood flow determined by the clearance of radioxenon. Wilson SE, et al. **J Surg Res** 20(3):237–42, Mar 76

Role of the disulfide bridge and the C-terminal tripeptide in the antidiuretic action of vasopressin in man and the rat. Cort JH, et al. **Kidney Int** 8(5):292–302, Nov 75

Cellular actions of vasopressin in the mammalian kidney. Dousa TP, et al. **Kidney Int** 10(1):46–63, Jul 76

Vasopressin-stimulated movement of drugs and uric acid across the toad urinary bladder. Levine SD, et al. **Kidney Int** 9(1):30–5, Jan 76

Functional segmentation of the rabbit distal tubule by microdetermination of hormone-dependent adenylate cyclase activity. Morel F, et al. **Kidney Int** 9(3):264–77, Mar 76

Behavioral effects of intraventricularly administered vasopressin and vasopressin fragments. de Wied D. **Life Sci** 19(5):685–90, 1 Sep 76

Effect of vasopressin on the isolated human collecting duct. Abramow M, et al. **Nature** 250(5466):497–3, 9 Aug 74

Effect of cortisol, prolactin and ADH on the amniotic membrane. Manku MS, et al. **Nature** 258(5530):78–80, 6 Nov 75

Influence of antidiuretic hormone on release of lysosomal hydrolase at mucosal surface of epithelial cells from urinary bladder. Pietras RJ, et al. **Nature** 257(5526):493–5, 9 Oct 75

Effects of furosemide on sodium content and transport pool in frog skin (Rana esculenta): comparison with vasopressin and ouabain. Axmann G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 290(2–3):275–84, 24 Sep 75

A comparative study of the effects of norepinephrine and vasopressin on Na transport and O2 consumption in frog skin. Arczynska W, et al. **Pfluegers Arch** 363(3):187–91, 22 Jun 76

Measurement of Na K ATPase activity in segments of proximal tubules from superficial and juxtamedullary rat nephrons during antidiuresis. Ashton K, et al. **Pfluegers Arch** 363(3):251–3, 22 Jun 76

Interactions between furosemide and vasopressin on hemodynamics and on water excretion by the isolated dog kidney. Vanherwighem JL, et al. **Pfluegers Arch** 362(3):265–70, 6 Apr 76

Pitressin-induced inhibition of drinking following water deprivation in the SWR/J mouse. Schmalbach NL, et al. **Pharmacol Biochem Behav** 4(2):203–5, Feb 76

Influence of antidiuretic hormone on intrarenal blood flow distribution in diabetes insipidus dogs and rats. Banks RO, et al. **Proc Soc Exp Biol Med** 151(3):547–51, Mar 76

The effect of vasopressin upon the excretion of calcium by the sheep. Beal AM, et al. **Q J Exp Physiol** 61(2):121–5, Apr 76

Alterations in gastric physiology caused by selective embolization and vasopressin infusion of the left gastric artery. Chuang VP, et al. **Radiology** 120(3):533–6, Sep 76

The relative effects of selective intra-arterial and intravenous vasopressin infusion. Davis GB, et al. **Radiology** 120(3):537–8, Sep 76

The radioprotective effects of vasopressin on the gastrointestinal tract of mice. Rappleye AT, et al. **Radiology** 117(1):199–203, Oct 75

Isoproterenol added during vasopressin administration provides cardiodynamic advantages. Sirinek KR, et al. **Rev Surg** 33(1):60–3, Jan–Feb 76

Vasopressin: induced structural change in toad bladder luminal membrane. Kachadorian WA, et al. **Science** 190(4209):67–9, 3 Oct 75

[Hypophysis and behavior] de Wied D. **Ned Tijdschr Geneeskd** 119(29):1147–53, 19 Jul 75 **(Dut)**

[Antidiuretic effect of vasopressin in normal and hypothyroid rats with and without thyroid hormone substitution] Cabrijan T, et al. **Acta Med Iugosl** 30(2):161–71, Mar 76 **(Ger)**

[The action of triglycylvasopressin on control subjects and patients with upper gastrointestinal bleeding (author's transl)] Aronsen KF, et al. **Klin Wochenschr** 53(16):747–53, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Activity of the renin-angiotensin system in rat during prolonged vasopressin administration] Szadowska A, et al. **Endokrynol Pol** 26(4):423–9, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

[Activity of tissue hyaluronidase in albino rat kidney during dehydration and action of exogenous antidiuretic hormone] Ivanova LN, et al. **Dokl Akad Nauk SSSR** 224(5):1209–11, 11 Oct 75 **(Rus)**

PHYSIOLOGY

Letter: A theory on 'psychogenic polydipsia'. Kubacki A. **Am J Psychiatry** 133(7):853–4, Jul 76

Effects of ADH on the activity and function of the renin-angiotensin-aldosterone system in infants and in children. Joppich R, et al. **Eur J Pediatr** 122(4):303–8, 12 Jul 76

Neurohumoral pathways associated with the release of plasminogen activator in man. pp. 97–107. Cash JD. **In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. W1 PR6672 v.1 1975.**

The role of the posterior pituitary and its peptides on the maintenance of conditioned avoidance behaviour. pp. 391–7. de Wied D. **In: Lissak K, ed. Hormones and brain function. New York, Plenum Press, 1973. WL 300 1631H 1971.** (24 ref.)

Platelets are not essential for the pulmonary vascular pressor response to hypoxia. Weir EK, et al. **J Lab Clin Med** 88(3):412–6, Sep 76

Antidiuretic hormone and water transfer. Hays RM. **Kidney Int** 9(2):223–30, Feb 76

Physiology of antidiuretic hormone and the interrelationship between the hormone and the kidney. Kurtzman NA, et al. **Nephron** 15(3–5):167–85, 1975 (115 ref.)

Peptides: roles in neuronal excitability. Barker JL. **Physiol Rev** 56(2):435–52, Apr 76

The role of vasopressin in memory processes. van Wimersma Greidanus TB, et al. **Prog Brain Res** 42:135–41, 1975

Vasopressin as a neurotransmitter in the central nervous system: some evidence from the supraoptic neurosecretory system. Vincent JD, et al. **Prog Brain Res** 42:57–66, 1975

Impaired development of tolerance to morphine analgesia in rats with hereditary diabetes insipidus. De Wied D, et al. **Psychopharmacologia** 46(1):27–9, 1976

Genetic approaches to the study of the regulation and actions of vasopressin. Valtin H, et al. **Recent Prog Horm Res** 31:447–86, 1975 (84 ref.)

Non-osmotic regulation of renal water excretion. Schrier RW, et al. **Trans Am Clin Climatol Assoc** 87:161–70, 1976

[Presence and mechanism of action of antidiuretic hormone at the level of rat anterior pituitary gland] Lutz B, et al. **C R Acad Sci [D] (Paris)** 279(25):1903–6, 16 Dec 74 **(Fre)**

RADIATION EFFECTS

[Effect of irradiation on the level of ADH and on the activity of adenyl cyclase, phosphodiesterase and protein kinase] Klenerová V, et al. **Cesk Fysiol** 24(6):539–42, 1975 **(Cze)**

SECRETION

Calcium and stimulus secretion coupling in the neurohypophysis. V. The effects of the Ca2+ ionophores A23187 and X537 A on vasopressin release and 45Ca2+ efflux; interactions with sodium and a verapamil analogue (D600). Robinson IC, et al. **Acta Endocrinol (Kbh)** 83(1):36–49, Sep 76

Evidence for the periventricular localization of the hypothalamic osmoreceptors. Rodríguez EM, et al. **Acta Physiol Lat Am** 24(5):414–8, 1974

Negligible role of CSF cations other than Na+ in the central regulation of ADH release. Eriksson L. **Acta Physiol Scand** 97(3):398–400, Jul 76

Letter: Inappropriate antidiuretic hormone secretion. Rosenfeld RG, et al. **Am J Dis Child** 129(9):1105, Sep 75

Mechanism of diuretic response associated with atrial tachycardia. Boykin J, et al. **Am J Physiol** 229(6):1486–91, Dec 75

Influence of adrenalectomy, total body x-irradiation and dexamethasone on the amount of CRF-granules and 'classical' neurosecretory material in the rat neurohypophysis. Schwabedal P, et al. **Anat Embryol (Berl)** 148(3):267–78, 31 Dec 75

Demeclocycline treatment in the syndrome of inappropriate antidiuretic hormone secretion. Cherrill DA, et al. **Ann Intern Med** 83(5):654–6, Nov 75

Letter: Polydipsia and inappropriate secretion of antidiuretic hormone associated with hydrocephalus. Peterson DT, et al. **Ann Intern Med** 83(5):675–6, Nov 75

Letter: Fluphenazine and inappropriate secretion of antidiuretic hormone. Zuniga JS, et al. **Ann Intern Med** 83(5):735–7, Nov 75

Shy-Drager syndrome with abnormal respirations and antidiuretic hormone release. Lockwood AH. **Arch Neurol** 33(4):292–5, Apr 76

Inappropiate ADH secretion associated with massive vincristine overdosage. Wakem CJ, et al. **Aust NZ J Med** 5(3):266–9, Jun 75

Inappropriate secretion of antidiuretic hormone associated with adenovirus pneumonia. Pollard RB. **Chest** 68(4):589–91, Oct 75

Antidiuresis produced by injection of renin into the third cerebral ventricle of the dog. Malayan SA, et al. **Endocrinology** 98(2):329–35, Feb 76

Dose-response relations in drug-induced inappropriate secretion of ADH: effects of clofibrate and carbamazepine. Radó JP, et al. **Int J Clin Pharmacol Biopharm** 12(3):315–9, Oct 75

Nicotine-stimulated release of neurophysin and vasopressin in humans. Husain MK, et al. **J Clin Endocrinol Metab** 41(06):1113–7, Dec 75

Increase in cyclic AMP levels and vasopressin release in response to angiotensin I in neurohypophyses: blockade following inhibition of the converting enzyme. Sirois P, et al. **J Neurochem** 25(5):727–9, Nov 75

When is antidiuretic hormone secretion inappropriate? Smith WO. **J Okla State Med Assoc** 69(4):117–20, Apr 76

The syndrome of inappropriate secretion of antidiuretic hormone. Cunningham BD, et al. **J Oral Surg** 34(4):355–8, Apr 76

Inappropriate secretion of antidiuretic hormone after cerebral injury. Davis BP, et al. **J Oral Surg** 34(7):609–15, Jul 76

Syndrome of inappropriate secretion of antidiuretic hormone--'SIADH'--in a patient with acute encephalitis. Kinn I. **J Oslo City Hosp** 25(6–7):113–6, Jun–Jul 75

Proceedings: Is the release of vasopressin provoked by increased plasma osmolality in the anaesthetized dog? Forsling ML, et al. **J Physiol (Lond)** 257(1):52P–53P, May 76

Effects of various ambient temperatures and of heating and cooling the hypothalamus and cervical spinal cord on antidiuretic hormone secretion and urinary osmolality in pigs. Forsling ML, et al. **J Physiol (Lond)** 257(3):673–86, Jun 76

Suppression of antidiuretic hormone secretion by clonidine in the anesthetized dog. Humphreys MH, et al. **Kidney Int** 7(6):405–12, Jun 75

The osmoregulation of vasopressin. Robertson GL, et al. **Kidney Int** 10(1):25–37, Jul 76

Hypothalamic neurons secreting vasopressin and neurophysin. Zimmerman EA, et al. **Kidney Int** 10(1):12–24, Jul 76

Inappropriate secretion of anti-diuretic hormone in chronic obstructive airways disease with chest infection and respiratory failure. Dhanwant SG, et al. **Med J Malaysia** 30(1):55–58, Sep 75

Correction of antidiuresis by demeclocycline. De Troyer A, et al. **N Engl J Med** 293(18):915–8, 30 Oct 75

Letter: Problems with lithium as treatment for inappropriate ADH secretion. Handler N, et al. **N Engl J Med** 294(8):446, 19 Feb 76

Excitation of phasically firing supraoptic neurones during vasopressin release. Harris MC, et al. **Nature** 258(5530):80–2, 6 Nov 75

Activity of phasic neurosecretory cells during haemorrhage. Wakerly JB, et al. **Nature** 258(5530):82–4, 6 Nov 75

Inappropriate secretion of antidiuretic hormone in pneumonia. Charles R, et al. **Postgrad Med J** 51(599):663–4, Sep 75

Effects of hypergravitational graduated time solicitation on ADH and corticosterone secretion and on plasma fibrinolytic activity. Groza P, et al. **Rev Roum Morphol Physiol** 20(3):157–61, 1974

The effect of hyperthermia on the secretion of catecholamines, corticosterone and antidiuretic hormone and on the fibrinolytic activity of the plasma. Groza P, et al. **Rev Roum Morphol Physiol** 20(1):3–11, 1974

Prostatic carcinoma producing syndrome of inappropriate secretion of antidiuretic hormone. Sacks SA, et al. **Urology** 6(4):489–92, Oct 75

Syndrome of inappropriate antidiuretic hormone secretion (SIADH) with subarachnoid hemorrhage. Imbeau SA, et al. **Wis Med J** 75(4):S25–8, Apr 76

[Factors of the neurohypophyseal antidiuretic secretion] Baïsset A, et al. **J Physiol (Paris)** 72(4):475–88, 1976 (16 ref.) **(Fre)**

[Letter: Treatment of an inappropriate antidiuresis syndrome by demethylchlortetracycline] Cledes J, et al. **Nouv Presse Med** 5(20):1308–9, 15 May 76 **(Fre)**

[Distribution of neurosecretion in the neurohypophysis of the cow during and following milking] Schneider B. **Arch Exp Veterinaermed** 29(2):303–11, 1975 (Eng. Abstr.) **(Ger)**

[Cerebral salt loss as Schwartz-Bartter-syndrome in childhood (author's transl)] Müller MU, et al. **Monatsschr Kinderheilkd** 124(2):66–70, Feb 76 (Eng. Abstr.) **(Ger)**

[The syndrome of inappropriate secretion of antidiuretic hormone and the urinary excretion of aldosterone (author's transl)] Sole J. **Z Kinderheilkd** 120(4):293–8, 13 Nov 75 (Eng. Abstr.) **(Ger)**

[Syndrome of inappropriate secretion of antidiuretic hormone (SIADH) – excluding vasopressin producing tumor] Kinouchi T. **Jpn J Clin Med** 33(6):2045–54, Jun 75 (80 ref.) **(Jpn)**

[Vasopressin producing tumor] Yoshida H, et al. **Jpn J Clin Med** 33(6):2039–44, Jun 75 **(Jpn)**

[Left atrial pressure and antidiuretic hormone (author's transl)] Yoshida S. **Respir Circ (Tokyo)** 23(11):1005–8, Nov 75 **(Jpn)**

[Effect of a constant magnetic field on the antidiuretic activity of blood plasma and hypothalamic extracts] Andrianova LA. **Kosm Biol Aviakosm Med** 9(5):19–22, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Acute and chronic effects of vasopressin in rats with lithium-polyuria. Christensen S. **Acta Pharmacol Toxicol (Kbh)** 38(3):241–53, Mar 76

Acute hemorrhagic pancreatitis in the dog. IV. Treatment with vasopressin. Schapiro H, et al. **Am J Dig Dis** 21(4):286–9, Apr 76

Peripheral vasopressin for safe and adequate control of portal hypertension during shunt operations. Sirinek KR, et al. **Am J Surg** 131(1):103–7, Jan 76

Intraarterial infusions of vasopressin for the control of upper gastrointestinal hemorrhage. pp. 37–47. Athanasoulis CA, et al.
In: Clearfield HR, Dinoso VP Jr, ed. Gastrointestinal emergencies. New York, Grune & Stratton, 1976. WI 100 G26 1974.

A case of hypopituitarism with diabetes insipidus and loss of thirst. Role of antidiuretic hormone and angiotensin II in the control of urine flow and osmolality. Trust PM, et al. **J Clin Endocrinol Metab** 41(2):346–53, Aug 75

Commentary: On the use of pitressin in infants with neurogenic diabetes insipidue. Crigler JF Jr. **J Pediatr** 88(2):295–6, Feb 76

The failure of intra-arterial pitressin infusion to control upper gastro-intestinal bleeding in cirrhotic patients. MacKenzie RL, et al. **J Surg Res** 20(5):505–8, May 76

[Physiopathology of the hepato-renal syndrome. Effects on renal function induced by infusion of pitressin in the mesenteric artery of the dog during portal hypertension] Bazzato G, et al. **Minerva Nefrol** 22(6):281–90, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Use of pitressin in the management of gastrointestinal bleeding. Report of a case] Ossandon Valdés JT, et al. **Bol Asoc Med PR** 67(10):304–6, Oct 75 **(Spa)**

URINE

Recovery of ADH activity in the urine of goats under normal and stimulated conditions. Lishajko F, et al. **Acta Physiol Scand** 95(1):102–9, Sep 75

How to recognize and treat the inappropriate ADH syndrome. Noel GL. **Med Times** 103(12):119–24, Dec 75

Physiology of man during a 10-day dry heliox saturation dive (SEATOPIA) to 7 ATA. II. Urinary water, electrolytes, ADH, and aldosterone. Matsuda M, et al. **Undersea Biomed Res** 2(2):119–31, Jun 75

[Effect of repeated alcohol administration on urine secretion and antidiuretic hormone in rats] Marquis C, et al. **C R Soc Biol (Paris)** 169(1):154–61, 1975 (Eng. Abstr.) **(Fre)**

VASOPRESSIN, NON-MAMMALIAN see **VASOTOCIN**

VASOPRESSOR AGENTS see **VASOCONSTRICTOR AGENTS**

VASOTOCIN

ANALYSIS

Immunoreactive neurophysins and vasotocin in human foetal pineal glands. Legros JJ, et al. **J Endocrinol** 69(2):289–90, May 76

Chemical differences between bovine pineal antigonadotropin and arginine vasotocin. Rosenblum IY, et al. **Life Sci** 18(12):1367–74, 15 Jun 76

Immunocytochemical evidence for the presence of arginine vasotocin in the rat pineal gland. Bowie EP, et al. **Nature** 261(5555):66, 6 May 76

BIOSYNTHESIS

Vasotocin biosynthesis by neurohypophysial cells from human fetuses. Evidence for its ependymal origin. Pavel S. **Neuroendocrinology** 19(2):150–9, 1975

BLOOD

Changes in blood arginine vasotocin level after osmotic stimuli in domestic fowl. Niezgoda J. **Acta Physiol Pol** 26(6):591–7, Nov–Dec 75

The effect of noradrenaline and acetylcholine on blood arginine vasotocin level in the domestic fowl. Niezgoda J. **Acta Physiol Pol** 27(3):269–74, May–Jun 76

The effect of adrenergic blocking and stimulating agents on arginine vasotocin release in birds. Niezgoda J. **Acta Physiol Pol** 27(3):275–80, May–Jun 76

Vasotocin-like activity in the plasms of the euryhaline frog (Rana cancrivora) after transfer from fresh water to saline. Elliott AB, et al. **J Endocrinol** 66(3):427–34, Sep 75

ISOLATION & PURIFICATION

The neurohypophysial principles of the western brook lamprey, Lampetra richardsoni: studies inthe adult. Rurak DW, et al. **Gen Comp Endocrinol** 29(3):301–12, Jul 76

Neurohypophysial hormones in fetal life and pregnancy. II. Chromatographic studies in the sheep (Ovis aries). Vizsolyi E, et al. **Gen Comp Endocrinol** 29(1):41–50, May 76

METABOLISM

Vasotocin content in the pineal gland of foetal, newborn and adult male rats. Pavel S, et al. **J Endocrinol** 66(2):283–4, Aug 75

PHARMACODYNAMICS

Renal responses of Australian lungfish to vasotocin, angiotensin II, and NaCl infusion. Sawyer WH, et al. **Am J Physiol** 231(2):593–602, Aug 76

Effect of vasotocin on plasma GH, free fatty acids and glucose in coho salmon (Oncorhynchus kisutch). McKeown BA, et al. **Endocrinol Exp (Bratisl)** 10(1):45–51, Mar 76

Reversal by vasotocin of pinealectomy and constant light effects on the pituitary melanocyte-stimulating hormone (MSH) content in the mouse. Pavel S, et al. **Endocrinology** 97(3):674–6, Sep 75

Opposite effects of vasotocin injected intrapituitarly and intraventricularly on corticotropin release in mice. Pavel S. **Experientia** 31(12):1469–70, 15 Dec 75

Prolactin-releasing activity of arginine vasotocin in vitro. Vaughan MK, et al. **Horm Res** 6(5–6):342–50, 1975

Fertility patterns in female mice following treatment with arginine vastocin or melatonin. Vaughan MK, et al. **Int J Fertil** 21(1):65–8, 1976

Reversal of the effects of pinealectomy on the pituitary prolactin content in mice by very low concentrations of vasotocin injected into the third cerebral ventricle. Pavel S, et al. **J Endocrinol** 66(2):289–90, Aug 75

Inhibition of human chorionic gonadotrophin-induced hypertrophy of the ovaries and uterus in immature mice by some pineal indoles, 6-hydroxymelatonin and arginine vasotocin. Vaughan MK, et al. **J Endocrinol** 68(3):397–400, Mar 76

Micropuncture study of the renal responses of the urodele amphibian Necturus maculosus to injections of arginine vasotocin and an anti-aldosterone compound. Garland HO, et al. **J Exp Biol** 63(1):249–64, Aug 75

Differential localization of antigonadotropic and vasotocic activities in bovine and rat pineal. Benson B, et al. **Life Sci** 19(5):747–54, 1 Sep 76

Arginine vasotocin: effects on development of reproductive organs. Vaughan MK, et al. **Science** 186(4167):938–9, 6 Dec 74

[In vitro effect of vasotocin on the ventral aorta of freshwater eels] Holder FC. **C R Acad Sci [D] (Paris)** 282(10):1033–6, 8 MAR 76 (Eng. Abstr.) **(Fre)**

VASOXYL see **METHOXAMINE**

VATER'S AMPULLA

Attempted retrograde cannulation of the ampulla: a probable cause of mass in the pancreas. Bloom GP, et al. **Ann Surg** 183(2):107–8, Feb 76

Carcinoma of the ampulla of Vater: Review of 38 cases with emphasis on treatment and prognostic factors. Makipour H, et al. **Ann Surg** 183(4):341–4, Apr 76

Familial polyposis coli and periampullary carcinoma. Qizilbash AH. **Can J Surg** 19(2):166–8, Mar 76

Primary biliary cirrhosis with cancer of the ampulla of Vater. Makipour H, et al. **Cleve Clin Q** 42(2):209–13, Summer 75

Editorial: Beyond Oddi. **Lancet** 1(7970):1172, 29 May 76

Carcinoma of the ampulla of Vater in a haemophiliac patient. Catford J, et al. **Postgrad Med J** 52(604):92–5, Feb 76

A very rare cause of milk of calcium gallbladder: carcinoma of the ampulla of Vater. Kalayasiri C, et al. **Southeast Asian J Trop Med Public Health** 6(2):257–9, Jun 75

Duodenal anomalies and the ampulla of Vater. Jona JZ, et al. **Surg Gynecol Obstet** 143(4):565–9, Oct 76

Benign obstructing papilloma of the ampulla of Vater in infancy. Shabot MM, et al. **Surgery** 78(5):560–3, Nov 75

[Inflammation of the common bile duct and Oddi's sphincter. Diagnostic problems in pre- and intraoperative cholangiographies (relationship established by 10 years of radio-surgical collaboration] Salesia G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:553–4, 1975 **(Fre)**

[Chronic primary odditis. Nosological study] Hureau J, et al. **Med Chir Dig** 4(4):237–41, 1975 **(Fre)**

[Benign tumors of the Vater's ampulla region (apropos of 8 cases)] Poilleux J, et al. **Med Chir Dig** 4(1):25–30, 1975 (Eng. Abstr.) **(Fre)**

[Complications of endoscopic catheterization of the papilla. Proposed emergency surgery] Sahel J, et al. **Nouv Presse Med** 5(12):794–5, 20 Mar 1976 **(Fre)**

[Endoscopic catheterization of Vater's papilla] Archambault A, et al. **Union Med Can** 105(1):61–2, Jan 76 **(Fre)**

[Value of peroperative cholangiography in the diagnosis and surgical treatment of diseases of the biliary tract and of Oddi's sphincter] Luccioni L, et al. **Minerva Med** 66(62):3220–3, 22 Sep 75 **(Ita)**

[Obstructive jaundice: cancer of Vater's papilla] Kaido I, et al. **Jpn J Clin Med** Spec No:880–1, 1324–7, 10 Apr 75 **(Jpn)**

[Disorder of the function of the terminal of the biliary tract (the papillary region)] Kobayashi K, et al. **Jpn J Gastroenterol** 72(6):664–72, Jun 75 (Eng. Abstr.) **(Jpn)**

[Implantation of Vater's papilla excised with mucosal ring into the duodenal stump in Poly-Reichel gastrectomy] Jesipowicz M, et al. **Pol Przegl Chir** 47(7):961–3, Jul 75 (Eng. Abstr.) **(Pol)**

[Carcinoma of Vater's papilla treated surgically] Petrykowski Z, et al. **Wiad Lek** 28(24):1991–2, 15 Dec 75 (Eng. Abstr.) **(Pol)**

[Diagnosis of lesions of terminal portion of common bile duct and Vater's ampulla] Dzhavadian AM, et al. **Khirurgiia (Mosk)** (11):94–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Clinical importance of different forms of dyskinesia of Oddi's sphincter] Trunin MA, et al. **Khirurgiia (Mosk)** (1):87–9, Jan 76 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Anomalous location of the papilla of Vater. Levine MP. **Am Surg** 42(2):135–7, Feb 76

ANATOMY & HISTOLOGY

Intraoperative location of the ampulla of Vater. O'Leary JP. **Surg Gynecol Obstet** 142(3):410–1, Mar 76

DRUG EFFECTS

Mechanical and metabolic effects of beta-receptor stimulators, the C-terminal octapeptide of cholecystokinin, and prostaglandin E2 on the isolated, depolarized sphincter of Oddi. Andersson KE, et al. **Acta Physiol Scand** 96(4):495–9, Apr 76

Effects of pentazocine on gastro-intestinal smooth muscle.—II. Ileum and Oddi's sphincter. Teggia M, et al. **Boll Soc Ital Biol Sper** 52(9):591–4, 15 MAY 76

Proceedings: Acetaldehyde action on the pancreatic duct and sphincter of Oddi in the dog. Fitzpatrick JM, et al. **Br J Surg** 63(2):154–5, Feb 76

[Radiological study of the lower choledochus: the advantage of antispasmodics] Benchetrit J, et al. **J Radiol Electrol Med Nucl** 56(8–9):589–90, Aug–Sep 75 **(Fre)**

EMBRYOLOGY

[Development of the neural and tissue components of the excretory ducts of the liver, pancreas and Odd's sphincter in human embryogeny] Maiboroda IuN. **Arkh Anat Gistol Embriol** 70(2):47–50, Feb 76 **(Rus)**

INJURIES

Disconnection of the ampulla of Vater. Corlette MB. **Surg Gynecol Obstet** 141(6):915–8, Dec 75

[Accidental papillary disinsertions, complications of gastro-duodectomy for duodenal ulcer. 2 immediate and 2 early secondary repairs] Mouchet A, et al. **Chirurgie** 101(3):224–32, 26 Feb–5 Mar 75 **(Fre)**

[An original technic of reimplantation of the papilla after accidental disinsertion during gastroduodenectomy for duodenal ulcer] Marquand J. **J Chir (Paris)** 109(5–6):649–52, May–Jun 75 (Eng. Abstr.) **(Fre)**

INNERVATION

Electron microscopic observations on the innervation of the sphincter of Oddi in the dog. Kyösola K, et al. **Cell Tissue Res** 161(2):167–76, 18 Aug 75

Lamellated bodies in the neurons of the submucosal ganglia in the sphincter of Oddi of the dog. Rechardt L, et al. **Virchows Archiv [Cell Pathol]** 20(4):325–8, 26 May 76

PATHOLOGY

Surgical appraisal of sphincter of Odii. Nagase M, et al. **Arch Jpn Chir** 44(4):365–9, 1 Jul 75

PHYSIOLOGY

Proceedings: Responses of the isolated sphincter of Oddi from the guinea-pig to feel stimulation. Brooks S, et al. **Br J Pharmacol** 55(2):270P, Oct 75

[The effects of bitruncular vagotomy on the activity of the sphincter of Oddi. An investigation in dogs (author's transl)] Levasseur JC, et al. **Ann Chir** 29(2):151–4, Feb 75 **(Fre)**

[Proceedings: Excretory mechanism of the bile from the standpoint of comparative physiology] Nakayama S. **Jpn Arch Intern Med** 11(4):157–60, Dec 75 **(Jpn)**

[Proceedings: Bile excretion and Oddi's sphincter] Ono K. **Jpn Arch Intern Med** 11(4):145–9, Dec 75 **(Jpn)**

[Functions of Vater's papilla] Bernacki E, et al. **Pol Przegl Chir** 48(2):119–26, Feb 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[The pathology of the infundibulum of the sphincter of Oddi (author's transl)] Yvergneaux JP, et al. **Acta Gastroenterol Belg** 38(3–4):137–55, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Studies of abnormal functions of the terminal of the biliary tract] Kobayashi J, et al. **Jpn Arch Intern Med** 11(4):292–3, Dec 75 **(Jpn)**

RADIOGRAPHY

Radiological localization of the ampulla of Vater in an infant with duodenal atresia. Jona JZ, et al. **Radiology** 118(2):396, Feb 76

[Carcinoma of Vater's ampulla diagnosed by operative cholangiography: a case report] Fichardt JB. **S Afr Med J** 50(18):713–4, 24 Apr 76 (Eng. Abstr.) **(Afr)**

[Radiology of tumours of the region of the ampulla of Vater (author's transl)] Diard F, et al. **J Radiol Electrol Med Nucl** 56(4):307–15, Apr 75 (Eng. Abstr.) **(Fre)**

[Radiologic aspects of the duodenum in malignant tumors of Vater's ampulla] Gonzales LR, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:609–10, 1975 **(Fre)**

SURGERY

Sphincterotomy treatment for biliary tract stones. A retrospective review. Meyhoff HH. **Acta Chir Scand** 141(7):645–8, 1975

10 years' experience treating pancreatic and periampullary cancer. Hines LH, et al. **Am Surg** 42(6):441–7, Jun 76

Sphincteroplasty in selected cases of acute recurrent pancreatitis. Hutson DG, et al. **Am Surg** 42(3):163–5, Mar 76

Sphincteroplasty and choledochoduodenostomy for benign biliary obstructions. Rutledge RH. **Ann Surg** 183(5):476–87, May 76

Carcinoma of the periampullary region: a review of a personal series of 87 patients. Balasegaram M. **Br J Surg** 63(7):532–7, Jul 76

Endoscopic papillotomy and removal of gall stones. Classen M, et al. **Br Med J** 4(5993):371–4, 15 Nov 75

Endoscopic papillotomy for choledocholithiasis. Zimmon DS, et al. **N Engl J Med** 293(23):1181–2, 4 Dec 75

Sphincterotomy and postsurgical mortality after operations on the common bile duct. Póltorak JL. **Pol Med Sci Hist Bull** 15(4):461–6, Jul–Aug 75

Technique of radical pancreatoduodenectomy. With consideration of hepatic arterial relationship. Braasch JW, et al. **Surg Clin North Am** 56(3):631–47, Jun 76

A simple technique for total sphincteroplasty. LoGerfo FW, et al. **Surg Gynecol Obstet** 141(4):615, Oct 75

[Method for the radical surgical removal of low-lying duodenal ulcers near the papilla Vateri] Arsov T. **Khirurgiia (Sofiia)** 28(3):294–6, 1975 **(Bul)**

[The present place of sphincterotomy of the sphincter of Oddi in surgery for benign lesions of the common bile duct in adults. Study of 100 cases of sphincterotomy and review of the literature of the last ten years] Lechat JR, et al. **Ann Chir** 30(5):363–69, May 76 (Eng. Abstr.) **(Fre)**

[Our experience of sphincterotomy for gallstones. Report of 167 cases (author's transl)] Schmitt JC, et al. **Ann Chir** 30(6):447–52, Jun 76 (Eng. Abstr.) **(Fre)**

[Treatment of common bile duct lithiasis. 338 sphincterectomies without drainage of the choledochus over a 10-year period] Bancaud E. **Chirurgie** 102(6):462–5, Jun 76 (Eng. Abstr.) **(Fre)**

[18 years of surgery of common bile duct calculi without external biliary drainage. Evaluation of sphincterotomy] Goinard P, et al. **Chirurgie** 101(9):650–61, Oct 75 **(Fre)**

[Oddi's sphincterotomy. Indications and results: 445 cases] Mentouri B, et al. **Chirurgie** 101(11):877–81, Nov 75 (Eng. Abstr.) **(Fre)**

[Endo-lumen vaterian diverticulas of the duodenum] Joyeux R, et al. **J Chir (Paris)** 111(5–6):535–46, May–Jun 76 (Eng. Abstr.) **(Fre)**

[Letter: Lithiasis of the common bile duct. Treatment by endoscopy] Liguory C, et al. **Nouv Presse Med** 4(20):1506, 17 May 75 **(Fre)**

[20 years of periampullary carcinoma. Treatment and postoperative complications] Enderlin F, et al. **Helv Chir Acta** 42(4):557–62, Sep 75 **(Ger)**

[Endoscopical and radiological studies after papillotomy (author's transl)] Soehendra N. **Langenbecks Arch Chir** 341(1):39–49, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Radiological findings after papilla operation] Moldenhauer W, et al. **Radiol Diagn (Berl)** 16(3):333–8, 1975 (Eng. Abstr.) **(Ger)**

[Proceedings: Combined radiomanometric and histologic studies in surgical intervention on Vater's papilla] Boeckl O, et al. **Z Gastroenterol** 14(2):243, Mar 76 **(Ger)**

[Papillosphincteroplasty and wirsungsphincteroplasty. Immediate and late results] Gazzangiga GM, et al. **Minerva Chir** 31(5):176–80, 15 Mar 76 (Eng. Abstr.) **(Ita)**

[Immediate and late results of oddian papillosphincterotomy] Sorice G, et al. **Minerva Chir** 31(5):164–6, 15 Mar 76 **(Ita)**

[Proceedings: Experimental studies on transduodenal sphincteroplasty] Kato S, et al. **Jpn Arch Intern Med** 11(4):293–4, Dec 75 **(Jpn)**

[Clinical value of Oddi's sphincterotomy in the light of our personal experiences] Władziński J. **Pol Przegl Chir** 48(3):399–403, Mar 76 (Eng. Abstr.) **(Pol)**

[Transduodenal papillectomy in cancer of the major duodenal papilla] Futorian ES, et al. **Khirurgiia (Mosk)** (4):52–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Papillosphincterotomy in surgical treatment of complicated cholecystitis] Knubovets SIa, et al. **Khirurgiia (Mosk)** (10):29–33, Oct 75 (Eng. Abstr.) **(Rus)**

[Bilioduodenal anastomoses in cancer of Vater's ampulla] Lur'e AS. **Khirurgiia (Mosk)** (1):126–8, Jan 76 **(Rus)**

[Papillosphincterotomy (surgical technic). (Survey of Soviet and foreign literature)] Vinogradov VV, et al. **Vestn Khir** 115(12):100–5, Dec 75 **(Rus)**

[ERCP, papillotomy, polypectomy] Reichard H. **Lakartidningen** 73(12):1068, 17 Mar 76 **(Swe)**

VECTORCARDIOGRAPHY

Evaluation of vectorcardiographic criteria in different kinds of right ventricular overload. Rasmussen K. **Acta Med Scand [Suppl]** (584):1–27, 1975

The vectorcardiogram of nontransmural myocardial infarction. Antonin B, et al. **Adv Cardiol** 16:407–10, 1976

The vectorcardiogram in left anterior hemiblock with qrs or qRS patterns in right precordial leads. Antonin B, et al. **Adv Cardiol** 16:507–11, 1976

Age differences in the spatial vectors and vectorcardiogram utilizing various orthogonal electrocardiographic lead systems. Arsenescu G, et al. **Adv Cardiol** 16:108–10, 1976

Vectorcardiographic evaluation of patients after operation of mitral stenosis. Borzycka B, et al. **Adv Cardiol** 16:350–3, 1976

Vectocardiographic aspects of the abnormalities of the ventricular repolarization in high competition athletes. Chignon JC, et al. **Adv Cardiol** 16:55–6, 1976

Mean spatial velocity on the efferent and afferent branches of the normal T loop. dos Reis DD, et al. **Adv Cardiol** 16:479–82, 1976

Vectorcardiographic analysis of combined ventricular hypertrophy in adult patients. Hiroki T. **Adv Cardiol** 16:370–5, 1976

Hemodynamics and vectorcardiogram. Kowarzyk H. **Adv Cardiol** 16:322–7, 1976

The value of the electro- and vectorcardiogram in chronic cor pulmonale. Meyer V, et al. **Adv Cardiol** 16:360–5, 1976

Polarcardiographic evaluation of 'ischemic' ST-T changes before and after acute digitalization. Niederberger MW. **Adv Cardiol** 16:275–8, 1976

VCG estimation of haemodynamic changes in right ventricle loading. Pavlov Z. **Adv Cardiol** 16:339–42, 1976

VCG investigations of the T-loop maximal vector in acute myocardial infarction with two uncorrected orthogonal systems. Popiliev I. **Adv Cardiol** 16:415–7, 1976

Towards the identification of vectorcardiograms plotted in two orthogonal systems of registration points. Popov AA, et al. **Adv Cardiol** 16:237–9, 1976

Computers in clinical electrocardiology. Is vectorcardiography becoming obsolete? Rautaharju PM, et al. **Adv Cardiol** 16:143–56, 1976

Vectorcardiographic diagnosis of inferior myocardial infarction in the presence of rS complex in the orthogonal lead Y. Recke SH, et al. **Adv Cardiol** 16:439–44, 1976

VCG studies of 143 consecutive cases of mitral stenosis. Rocha-Gonçalves F, et al. **Adv Cardiol** 16:343–9, 1976

Information content of instantaneous QRS vectors. Ruttkay-Nedecký I. **Adv Cardiol** 16:52–4, 1976

Correlations of vectorcardiographic parameters with constitutional variables in early childhood. Schönberger W, et al. **Adv Cardiol** 16:102–7, 1976

Vectorcardiographic (VCG) recognition and differentiation of myocardial infarction (MI). Simonson E. **Adv Cardiol** 16:386–93, 1976

New parametrisation of the VCG for diagnostic purpose. Smets P, et al. **Adv Cardiol** 16:139–42, 1976

The initial 40-MSeC vectors (transverse plane) in anteroseptal infarction. A diagnostic sign. Somlo E, et al. **Adv Cardiol** 16:418–23, 1976

The value of vectorcardiographic investigations in the late post-infarction period. Urasov VS, et al. **Adv Cardiol** 16:435–8, 1976

Differentiation between oxygen and heart rate influence on spatial angles of time-integrated vectors. von Mengden HJ, et al. **Adv Cardiol** 16:382–5, 1976

Parameters of left and right ventricular hypertrophy in vectorcardiogram. Wenger R. **Adv Cardiol** 16:328–34, 1976

Letter: Left axis deviation. Clement DL. **Am Heart J** 91(6):824–5, Jun 76

Frank vectorcardiogram in common ventricle: correlation with anatomic findings. Guller B, et al. **Am Heart J** 90(3):290–4, Sep 75

Vectorcardiographic, electrocardiographic, and angiographic correlations in apparently isolated inferior wall myocardial infarction. Mehta J, et al. **Am Heart J** 91(6):699–704, Jun 76

Changes in heart dipole moment after surgical correction of atrial septal defect. Nelson CV, et al. **Am Heart J** 91(6):766–82, Jun 76

ECG and VCG changes in experimental hemiblock and bifascicular block. Okuma K. **Am Heart J** 92(4):473–80, Oct 76

Intraatrial conduction disturbances: vectorcardiographic patterns. Zoneraich O, et al. **Am J Cardiol** 37(5):736–42, Apr 76

Distribution of myocardial blood flow measured by hydrogen polarography. Moggio RA, et al. **Ann Surg** 183(3):282–8, Mar 76

A simple analog computer model of ventricular depolarization. Clark DL. **Biomed Sci Instrum** 12:83–8, 3–5 May 76

Vectorcardiographic study of aberrant conduction anterior displacement of QRS: another form of intraventricular block. Kulbertus HE, et al. **Br Heart J** 38(6):549–57, Jun 76

Value and limitations of vectorcardiography in cardiac diagnosis. Chou TC. **Cardiovasc Clin** 6(3):163–78, 1975 (32 ref.)

'Supernormal' atrioventricular conduction revealing posterior wall myocardial infarction. Demonstration by timed biplane vectorcardiography. Desser KB, et al. **Chest** 69(2):220–1, Feb 76

Vectocardiography in tetralogy of Fallot before and after operation (palliative and corrective surgery). Lezo JS, et al. **Chest** 68(4):548–53, Oct 75

Value of the vectorcardiogram in assessing tall R waves in right precordial leads. Orlando J, et al. **Chest** 69(4):540–2, Apr 76

The vectorcardiogram in the diagnosis of inferior wall myocardial infarction. Orlando J, et al. **Chest** 70(2):287–9, Aug 76

The vectorcardiogram in right bundle branch block: correlation with cardiac failure and pulmonary disease. Fedor JM, et al. **Circulation** 53(6):926–30, Jun 76

The importance of reproducibility testing of computer programs for electrocardiographic interpretation: application to the automatic vectorcardiographic analysis program (AVA 3.4). Bailey JJ, et al. **Comput Biomed Res** 9(4):307–16, Aug 76

Linear transformations relating the electrocardiogram and vectorcardiogram. Gustafson DE, et al. **Comput Biomed Res** 9(4):337–48, Aug 76

Initial vectors of ventricular premature beats and anterior fascicular conduction defects. Burchell HB, et al. **Eur J Cardiol** 4(1):71–8, Mar 76

Didactic vectorcardiography: general concepts. Castellanos A Jr, et al. **Heart Lung** 4(5):697–723, Sep–Oct 75

Experience with the automatic processing and analysis of scalar and vector electrocardiograms. pp. 78–83. Enderlé J. **In: Payne JP, Hill DW, ed. Real-time computing in patient management. Stevenage, Eng., Peregrinus, 1976. WB 141 R288 1975.**

Comparison of the electrocardiogram and vectorcardiogram for the diagnosis of left atrial enlargement. Benchimol A, et al. **J Electrocardiol** 9(3):215–8, 1976

Angular velocity of the QRS loop of the vectrocardiogram in the normal heart. Fletcher E, et al. **J Electrocardiol** 9(2):129–32, Apr 76

VECTAN II: A computer program for the spatial analysis of the vectorcardiogram. Golden DP Jr, et al. **J Electrocardiol** 8(3):217–25, Jul 75

Computer interpretation of Frank vectorcardiogram in normal infant: Longitudinal and cross-sectional observations from birth to 2 years of age. Guller B, et al. **J Electrocardiol** 8(3):201–8, Jul 75

Relation of left ventricular contractile patterns in coronary artery disease to the electrocardiogram and vectorcardiogram. Hilsenrath J, et al. **J Electrocardiol** 8(4):335–42, 1975

Magnitude, direction and location of the resultant dipole moment of the pig heart. Hodgkin BC, et al. **J Electrocardiol** 9(2):123–8, Apr 76

Vectorial characteristics of ventricular extrasystoles stimulated during cardiac catheterization. Klein MD, et al. **J Electrocardiol** 9(2):103–8, Apr 76

Correlation of polarcardiographic criteria for myocardial infarction with arteriographic and ventriculographic findings (substantiation of transmural and presentation of non-transmural criteria). Lerman J, et al. **J Electrocardiol** 9(3):219–26, 1976

Corrected transposition of the great vessels: a vectorcardiographic study. Moffa PJ, et al. **J Electrocardiol** 9(1):5–14, 1976

Sum of two vectors having an included angle greater than ninety degrees. Nelson CV, et al. **J Electrocardiol** 8(3):285–6, Jul 75

The concepts of sensitivity, specificity and accuracy in evaluation of electrocardiographic, vectorcardiographic and polarcardiographic criteria. Rautaharju PM, et al. **J Electrocardiol** 9(3):275–81, 1976

Respiratory variations in the vectorcardiogram due to changes in thorax dimensions. Nelson CV, et al. **J Maine Med Assoc** 67(1):20–1, Jan 76

Population distribution of Frank-vectorcardiographic measurements of healthy Japanese men. Sotobata I, et al. **Jpn Circ J** 39(8):895–903, Aug 75

The significance of T-loop change in Frank's lead exercise electrocardiography. Murayama M, et al. **Jpn Heart J** 17(2):139–49, Mar 76

True and false left anterior hemiblock: vectorcardiographic study. Toyama S, et al. **Jpn Heart J** 17(3):302–14, May 76

Exercise vectorcardiography in diagnosis of ischaemic heart-disease. Kilpatrick D. **Lancet** 2(7981):332–4, 14 Aug 76

[Comparative electro- and vectorcardiographic study of patients with systolic overloading in the left ventricle] Belov IU, et al. **Vutr Boles** 14(4):33–6, 1975 (Eng. Abstr.)

(Bul)
[Possibilities of a corrected orthogonal vectorcardiogram (Frank) in the hemodynamically overloaded ventricular musculature] Urumov G. **Vutr Boles** 14(3):81–8, 1975 (Eng. Abstr.) (Bul)
[Processing of vectorcardiographic data by the computer] Novák V. **Cesk Fysiol** 24(4):309–14, 1975 (Cze)
[Vectorcardiogram of the wave P] Duchosal PW, et al. **Ann Cardiol Angeiol (Paris)** 24(4):311–4, Jul–Sep 75 (Eng. Abstr.) (Fre)
[Echo- and vectorcardiographic correlation tests on the left ventricle during athletic training (author's transl)] Houdas Y, et al. **Ann Cardiol Angeiol (Paris)** 25(4):271–8, Jul–Sep 76 (Eng. Abstr.) (Fre)
[Vectorcardiogram of the Wolff–Parkinson–White syndrome. Changes induced by ajmaline. Association with bundle branch block] Warembourg H, et al. **Ann Cardiol Angeiol (Paris)** 24(4):315–20, Jul–Sep 75 (Eng. Abstr.) (Fre)
Proceedings: [Comparison of the Rijlant and Kowarzky networks] Troquet J, et al. **Arch Int Physiol Biochim** 83(3):610–1, Aug 75 (Fre)
[Electrocardiographic and vectorcardiographic changes in arterial hypertension] Zamfirescu R, et al. **Rev Roum Morphol Physiol** 20(1):19–25, 1974 (Fre)
[Letter: Vector cardiography] Lichtlen P. **Dtsch Med Wochenschr** 100(43):2234, 24 Oct 75 (Ger)
[Corrected orthogonal and conventional ECG leads. A comparison of the information value] Walter J, et al. **Med Klin** 71(5):171–80, 30 Jan 76 (33 ref.) (Ger)
[An interactive true-time computer program for the evaluation of ECG and VCG] Arvedson O. **Med Welt** 27(31):1475–80, 30 Jul 76 (Ger)
[Impedance cardiography for the evaluation of various conditions of hydratation. Preliminary report] Tempel G, et al. **Med Welt** 27(32):1496–9, 6 Aug 76 (Ger)
[Special indications for vectorcardiographic diagnosis] von Mengden HJ, et al. **Med Welt** 27(26):1288–92, 25 Jun 76 (Ger)
[Vetorial presentation of left-ventricular pressure parameters for the assessment of ventricular function] Modersohn D, et al. **Z Gesamte Inn Med** 31(9):285–9, 1 May 76 (Eng. Abstr.) (Ger)
[Some vectorcardiographic aspects of arrhythmias] Gatto E, et al. **Arch E Maragliano Patol Clin** 30(2):217–20, Jul–Dec 74 (Ita)
[Quantitative analysis of the QRS loop in right intraventricular conduction disorders in children] Antoncerchi E, et al. **Boll Soc Ital Cardiol** 20(4):385–98, 1975 (Eng. Abstr.) (Ita)
[Electrocardiographic and vectorcardiographic aspects of primary cardiomyopathies] Cini G, et al. **Boll Soc Ital Cardiol** 20(3):197–216, 1975 (Eng. Abstr.) (Ita)
[Electrocardiographic and vectorcardiographic aspects of anomalies secondary to ventricular repolarization] Giusti C, et al. **Boll Soc Ital Cardiol** 19(3):277–88, 1974 (Eng. Abstr.) (Ita)
[Vectorcardiographic classification of left anterior hemiblocks] Santoro G, et al. **Boll Soc Ital Cardiol** 20(3):295–302, 1975 (Eng. Abstr.) (Ita)
[Morphological aspects and electrophysiological evaluation of the vectorcardiogram in inferior myocardial infarction (author's transl)] Piccolo E, et al. **G Ital Cardiol** 6(1):55–65, 1976 (Eng. Abstr.) (Ita)
[Evolutive study of the VCG in the first week of the normal newborn infant (author's transl)] Piccolo E, et al. **G Ital Cardiol** 5(6):867–76, 1975 (Eng. Abstr.) (Ita)
[The electrocardiogram and vectorcardiogram in the diagnosis of various forms of common atrioventricular canal] pp. 253–77. Testoni F, et al. **In: Campolo L et al., ed. Cardiopatie congenite. Padova, Piccin, 1974. W3 C1185 1972.** (Ita)
[Proceedings: Comparison of vectorcardiography and coronary angiography; mean electric axis and anatomical long axis of the left ventricle] Ishizawa I, et al. **Jpn Circ J** 39(7):861–2, Jul 75 (Jpn)
[Proceedings: Exercise loading vectorcardiography. (2). Changes in T loop and a comparison with exercise loading electrocardiography] Kawamura O, et al. **Jpn Circ J** 39(7):883, Jul 75 (Jpn)
[Proceedings: Frank's vectorcardiography of Wolff–Parkinson–White syndrome without complications] Koike T, et al. **Jpn Circ J** 39(7):882–3, Jul 75 (Jpn)
[Proceedings: Vectorcardiography of children. (7). Vectorcardiography of tetralogy of Fallot following surgery] Mori C, et al. **Jpn Circ J** 39(7):862, Jul 75 (Jpn)
[Proceedings: Analysis of p-loop by a mini-computer—normal controls] Yokota M, et al. **Jpn Circ J** 39(7):879, Jul 75 (Jpn)
[Designing of a polarcardiometer and evaluation of its reliability] Aihara R, et al. **Jpn J Clin Med** 33(8):2657–60, 10 Aug 75 (Jpn)
[Evaluation of factors responsible for an increase of the lower component in vectorcardiography] Ito S, et al. **Jpn J Clin Med** 33(9):2893–6, 10 Sep 75 (Jpn)
[Relationship between VCG T loop and distribution of ST–T surface potentials] Murao S, et al. **Jpn J Clin Med** 33(9):2890–3, 10 Sep 75 (Jpn)
[Frank's lead vectorcardiography in intermittent right fascicular block] Okajima S, et al. **Jpn J Clin Med** 33(8):2665–8, 10 Aug 75 (Jpn)
[Vectorcardiography – studies of fascicular block, with special reference to QRS changes to interruption of the left fascicular branch and the right bundle] Okuma K, et al. **Jpn J Clin Med** 33(8):2663–5, 10 Aug 75 (Jpn)
[T loop observed in patients with angina pectoris (with notes on sex-related characteristics] Suzuki K, et al. **Jpn J Clin Med** 33(9):2887–90, 10 Sep 75 (Jpn)
[Analysis of the P loop in vectorcardiography with Frank lead system, with special reference to the effects of the sex and age] Yokota M, et al. **Jpn J Clin Med** 33(9):2883–6, 10 Sep 75 (Jpn)
[New multi-purpose analog system for the analysis of the vectorcardiogram] Mori H, et al. **Jpn J Med Electron** 13(2):85–92, Apr 75 (Eng. Abstr.) (Jpn)
[Polarcardiogram (author's transl)] Takeuchi M, et al. **Respir Circ (Tokyo)** 23(9):799–803, Sep 75 (Jpn)
[Clockwise rotation of the vectorcardiographic loop in the frontal projection in the left anterior hemiblock] Tranchesi J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31 Spec No:306–9, 1976 (Eng. Abstr.) (Por)
[Vectorcardiogram in healthy children] Vitanova M. **Pediatriia** (2):30–3, 1976 (Eng. Abstr.) (Rus)
[Value of the use of vectorcardiography in chronic pneumonia] Reínval'd LA. **Ter Arkh** 47(10):104–7, 1975 (Eng. Abstr.) (Rus)
[Importance of vectorelectrocardiography in the diagnosis of certain cardiovascular system changes in the immediate postoperative period in children with bronchopulmonary pathology] Shvartsberg BI. **Vopr Okhr Materin Det** 20(10):31–5, Oct 75 (Eng. Abstr.) (Rus)
[Vectorcardiogram in lower anteroseptal myocardial infarct] Sarrión M, et al. **Rev Esp Cardiol** 28(5):437–47, Oct–Nov 75 (Eng. Abstr.) (Spa)

INSTRUMENTATION

A simple procedure for positioning precordial ECG and VCG electrodes using an electrode locator. Rautaharju PM, et al. **J Electrocardiol** 9(1):35–40, 1976
Automated vector e.c.g. recording. Bourne PR. **Med Biol Eng** 12(6):859–63, Nov 74

METHODS

On using angle patterns of VCGs for wave recognition. Brodda K, et al. **Adv Cardiol** 16:217–20, 1976
The ECG/VCG automatic classification system of the Brussels university hospitals. Demeester M, et al. **Adv Cardiol** 16:214–6, 1976
Modularity in VCG/ECG-processing systems. Duisterhout JS, et al. **Adv Cardiol** 16:186–9, 1976
Computer interpretation of electrocardiograms and vectorcardiograms. Enderle J, et al. **Adv Cardiol** 16:194–202, 1976
Classification of myocardial infarction according to the vector maps of the 'electric heart portrait' and the pathological signs in ECG. Kienle FA, et al. **Adv Cardiol** 16:281–309, 1976
Computer analysis of the Frank electrocardiogram and vectorcardiogram in patients with segmental areas of akinesia or dyskinesia on left ventricular angiogram. McCaughan D, et al. **Adv Cardiol** 16:246–50, 1976
Vector maps during ST interval in the electric heart portrait (EHP). Maldener K, et al. **Adv Cardiol** 16:310–21, 1976
Estimation of variance components in the automated analysis of vectorcardiograms. Michaelis J, et al. **Adv Cardiol** 16:171–5, 1976
Influence of clinical variables on VCG parameters in the automated analysis of vectorcardiograms. Scheidt E, et al. **Adv Cardiol** 16:205–8, 1976
Quantitative classification of T-wave abnormalities in the VCG. Talmon JL, et al. **Adv Cardiol** 16:233–6, 1976
Computer analysis of vectorcardiograms. With special reference to segmental polar vector in myocardial infarction. Yasui S, et al. **Adv Cardiol** 16:424–34, 1976
Computer analysis of normal and Abnormal P loops of the frank vectorcardiogram. Yokota M, et al. **Adv Cardiol** 16:227–32, 1976
High reliability rates of spatial pattern analysis by vectorcardiogram in assessing the severity of eccentric left ventricular hypertrophy. Ishizawa K, et al. **Am Heart J** 91(1):50–7, Jan 76
Quantitative electrocardiography during extended space flight: the second manned Skylab mission. Smith RF, et al. **Aviat Space Environ Med** 47(4):353–9, Apr 76
Body position, electrode level, and respiration effects on the Frank lead electrocardiogram. Riekkinen H, et al. **Circulation** 53(1):40–5, Jan 76
Vectorcardiography and the Frank scalar system. Pozzi L. **Eur J Cardiol** 4(2):219–21, Jun 76
Display of the vectorcardiograms with a new complementary loop of formula Z = f (square root X2 + Y2). Rubel P, et al. **Med Prog Technol** 3(4):175–9, 30 Apr 76
Progress in polarcardiography. Dower GE, et al. **Prog Cardiovasc Dis** 19(1):69–90, Jul–Aug 76 (76 ref.)
[The normal vectorcardiogram according to the three dimensional system of I. T. Akulinichev in dogs] Pavlov Ts, et al. **Eksp Med Morfol** 13(3):144–8, 1974 (Eng. Abstr.) (Bul)
[2 philosophies of diagnostic aid. Analysis of flat vectorcardiographic tracings or XYZ components of the spatial vectorcardiogram] Koechlin R, et al. **Ann Cardiol Angeiol (Paris)** 24(4):365–70, Jul–Sep 75 (Eng. Abstr.) (Fre)
[Attenuation and smoothness of injected signals in a Rijlant network] Troquet J, et al. **Arch Int Physiol Biochim** 83(3):461–70, Aug 75 (Eng. Abstr.) (Fre)
[Value of dipolar equivalent generators] Rijlant P. **Boll Soc Ital Cardiol** 17(12):1192–3, 1972 (Fre)
[A system to aid decision-making. Application to automatic interpretation of vectorcardiograms] Rubel P, et al. **Int J Biomed Comput** 6(3):193–211, Jul 75 (Eng. Abstr.) (Fre)
[Vectorcardiography] Wenger R. **Bull Schweiz Akad Med Wiss** 31(1–3):45–51, Aug 75 (Eng. Abstr.) (Ger)
[Prospects of orthogonal ECG leads] Abel H. **Med Klin** 71(5):213–4, 30 Jan 76 (Ger)
[Vectorcardiographic study on the right hypertrophy diagnosis in complete right bundle branch block] Schmidt B, et al. **Z Kardiol** 64(4):338–48, Apr 75 (Eng. Abstr.) (Ger)
[Ventricular hypertrophy. II. Diagnostic analysis by means of clusters] Dalle Luche A, et al. **Boll Soc Ital Cardiol** 20(3):287–94, 1975 (Eng. Abstr.) (Ita)
[Relationship between the cardiac vector and effective transfer impedance – representation of the data using a single equivalent dipole] Okajima M, et al. **Jpn J Clin Med** 33(8):2660–2, 10 Aug 75 (Jpn)
[Importance of three-dimensional precordial vectocardiography in diagnosis of chronic cor pulmonale in patients with pulmonary tuberculosis] Kopelovich IuK. **Probl Tuberk** (11):23–6, 1975 (Eng. Abstr.) (Rus)

STANDARDS

Sensitivity of VCG parameters to baseline adjustment procedures. Wellner U, et al. **Adv Cardiol** 16:265–8, 1976
Evaluation of vectorcardiographic criteria for the diagnosis of myocardial infarction in the presence of left ventricular hypertrophy. Phillips HR, et al. **Circulation** 53(2):235–40, Feb 76
Vectorcardiographic criteria for the diagnosis of anterior myocardial infarction. Starr JW, et al. **Circulation** 53(2):229–34, Feb 76

VEGETABLE PROTEINS

Protein quality of two varieties of high-lysine maize fed alone and with black beans or milk to normal and depleted weanling rats. Maffia LM, et al. **Am J Clin Nutr** 29(8):817–24, Aug 76
Animal protein – substitutes and extenders. Edmondson JE, et al. **J Anim Sci** 41(2):698–702, Aug 75
Plasma amino acids of infants consuming soybean proteins with and without added methionine. Graham GG, et al. **J Nutr** 106(9):1307–13, Sep 76
Nitrogen retention in men fed varying levels of amino acids from soy protein with or without added L-methionine. Zezulka AY, et al. **J Nutr** 106(2):212–21, Feb 76
Nitrogen retention in men fed isolated soybean protein supplemented with L-methionine, D-methionine, N-acetyl-L-methionine, or inorganic sulfate. Zezulka AY, et al. **J Nutr** 106(9):1286–91, Sep 76
Enterocolitis in low-birth-weight infants associated with milk and soy protein intolerance. Powell GK. **J Pediatr** 88(5):840–4, May 76
Nutritional value of soya protein and milk coprecipitates in sausage products. Skurray GR, et al. **J Sci Food Agric** 27(2):175–80, Feb 76
[Denaturation and enzymatic proteolysis in vitro of protein fractions of soya flour] Bau HM, et al. **Ann Nutr Aliment** 29(4):351–70, 1975 (Eng. Abstr.) (Fre)
[Nutritional value and acceptibility of soy proteins in human diet] Derby G, et al. **Ann Nutr Aliment** 29(2):159–77, 1975 (Eng. Abstr.) (Fre)
[Changes in the nutritive physiological value of proteins modified by dialdehyde starch] Proll J, et al. **Nahrung** 20(4):429–36, 1976 (Eng. Abstr.) (Ger)
[Effect of starchsulfate on properties of protein fibers] Schmandke H, et al. **Nahrung** 20(1):33–5, 1976 (Eng. Abstr.) (Ger)
[Rheology and spinning of alkaline solution of field bean protein and casein] Schmandke H, et al. **Nahrung** 20(5):531–7, 1976 (Eng. Abstr.) (Ger)
[Spinning of rapeseed proteins] Schmandke H, et al. **Nahrung** 20(1):25–32, 1976 (Eng. Abstr.) (Ger)
[Rheology and spinning of alkaline solutions of sunflower seed globulin and casein] Schmandke H, et al. **Nahrung** 20(2):195–211, 1976 (Eng. Abstr.) (Ger)
[Modification of proteins by reaction with carbonyl compounds] Schwenke KD, et al. **Nahrung** 19(9–10):921–7, 1975 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Field-bean (Vicia faba L.) protein in feeds for preruminant calves. Sissons JW, et al. **Proc Nutr Soc** 34(3):102A–103A, Dec 75

ANALYSIS

Distribution of protein within sweet potato roots (Ipomea batatas L.). Purcell AE, et al. **J Agric Food Chem** 24(1):64–6, Jan–Feb 76
Extraction methods and test techniques for detection of vegetable proteins in meat products. I. Qualitative detection of soya derivatives. Hyslop NS. **J Hyg (Camb)** 76(3):329–36, Jun 76
[Effect of blanching, freezing and sterilization on protein and amino acid content of green peas] Kulesza C, et al.

Nahrung 20(4):369–73, 1976 (Eng. Abstr.) (Ger)
[Seed globulins from legumes. III. Seed globulins from broad bean (Vicia faba L.)] Scholz G, et al. Nahrung 19(9–10):823–8, 1975 (Eng. Abstr.) (Ger)

CLASSIFICATION

[Electrophoretical differentiation and classification of proteins. VI. Disc-electrophoresis and isoelectrical focussing of proteins and enzymes from tomatoes, cucumber, sugar-maize and onions (author's transl)] Drawert F, et al. Z Lebensm Unters Forsch 159(1):23–30, 29 Sep 75 (Eng. Abstr.) (Ger)

METABOLISM

Binding of Ca(II), Mg(II), and Zn(II) by 7S fraction of soybean proteins. Appu Rao AG, et al. J Agric Food Chem 24(3):490–4, May–Jun 76
Binding of Zn(II) by the 11S fraction of soybean proteins. Appu Rao AG, et al. J Agric Food Chem 24(3):487–90, May–Jun 76
Okra seeds: a new protein source. Karakoltsidis PA, et al. J Agric Food Chem 23(6):1204–7, Nov–Dec 75
Determination of antitrypsin activity on agar plates: relationship between antitrypsin and biological value of soybean for trout. Sandholm M, et al. J Nutr 106(6):761–6, Jun 76
[Nutritional study of field bean protein isolate and of spun field bean protein–casein fibers] Proll J, et al. Nahrung 20(7):743–7, 1976 (Eng. Abstr.) (Ger)

VEGETABLES

Letter: Lupinus mutabilis sweet–a potent food source from the Andean region. Tello FT. Am J Clin Nutr 29(9):933, Sep 76
An outbreak of Bacillus cereus food poisoning resulting from contaminated vegetable sprouts. Portnoy BL, et al. Am J Epidemiol 103(6):589–94, Jun 76
Ultrastructure of potato infected with leafroll virus. Golinowski WO. Ann Med Sect Pol Acad Sci 20(2):73–4, 1975
Bacteriological quality assessment of fresh marketed lettuce and fennel. Ercolani GL. Appl Environ Microbiol 31(6):847–52, Jun 76
The potential impact of research on vegetable production. Chandler RF Jr. Basic Life Sci 7:331–42, 1976
Improving the production of legumes and oilseeds. Pinchinat AM. Basic Life Sci 7:325–9, 1976 (14 ref.)
Improving the production and nutritional quality of food legumes. Roberts LM. Basic Life Sci 7:309–23, 1976
The effect of 2,4–D and Dicamba on the growth and yield of garden broad bean (Vicia faba L. var. major). El–Bebeidi MA, et al. Beitr Trop Landwirtsch Veterinaermed 13(2):185–93, 1975
The yields of extracted protein and of residual fiber from potato haulm taken as a by–product. Carruthers IB, et al. Biotechnol Bioeng 17(12):1775–82, Dec 75
Potato avoidance during pregnancy in women with a previous infant with either anencephaly and/or spina bifida. Nevin NC, et al. Br J Prev Soc Med 29(2):111–5, Jun 75
Removal of parathion and related products from lettuce trim. Archer TE. Bull Environ Contam Toxicol 15(4):488–96, Apr 76
Teratogenicity of the solanum alkaloid solasodine and of 'Kennebec' potato sprouts in hamsters. Keeler RF, et al. Bull Environ Contam Toxicol 15(5):522–4, May 76
Anencephalus, spina bifida, and potato blight in Canada. Elwood JM. Can J Public Health 67(2):122–6, Mar–Apr 76
Uptake and degradation of monitor by tomato plants. Horler DF, et al. Environ Qual Saf [Suppl] 3:151–6, 1975
Factors influencing the accumulation of organophosphorus insecticides by carrots. Suett DL. Environ Qual Saf [Suppl] 3:140–5, 1975
Oligosaccharides of food legumes: alpha–galactosidase activity and the flatus problem. pp. 207–22. Rackis JJ.
In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (31 ref.)
Sharing of glycolipid antigenic determinants by Mycoplasma pneumoniae vegetables and certain bacteria. pp. 151–6. Greenberg H, et al.
In: Robbins JB, et al., ed. New approaches for inducing natural immunity to pyogenic organisms. Bethesda, NIH, 1975. QW 700 S989n 1973.
Letter: Boiled onion and blood fibrinolytic activity. Sharma KK. Indian Heart J 27(3):218–9, Jul 75
Lipid protein inter–relationship in aortic tissue of experimentally induced atherosclerosis in rabbits and its alteration by Bengal gram. Sharma RD, et al. Indian Heart J 27(4):274–9, Oct 75
The effect of Bengal gram on acid mucopolysaccharide distribution in egg–yolk induced atherosclerosis in rabbits. Madhavan M, et al. Indian J Med Res 63(1):151–5, Jan 75
Long term effect of onion on experimentally–induced hypercholesteremia and consequently decreased fibrinolytic activity in rabbits. Sharma KK, et al. Indian J Med Res 63(11):1629–34, Nov 75
Letter: Onion and blood fibrinolytic activity. Sharma KK. Indian J Med Sci 28(12):573–4, Dec 74
Viability of Vibrio cholerae biotype El Tor and of cholera phage on vegetables. Gerichter CB, et al. Isr J Med Sci 11(9):889–95, Sep 75
Structures related to jasmonic acid and their effect on lettuce seedling growth. Ravid U, et al. J Agric Food Chem 23(5):835–8, Sep–Oct 75
Beneficial physiologic action of beans. Hellendoorn EW. J Am Diet Assoc 69(3):248–53, Sep 76 (44 ref.)
Letter: Boiled garlic and blood fibrinolytic activity. Sharma KK, et al. J Assoc Physicians India 23(12):923–4, Dec 75
Hydrogen production in the rat following ingestion of raffinose, stachyose and oligosaccharide–free bean residue. Wagner JR, et al. J Nutr 106(4):466–70, Apr 76
Stimulatory effect of vegetables on intestinal drug metabolism in the rat. Pantuck EJ, et al. J Pharmacol Exp Ther 198(2):278–83, Aug 76
Studies of the invasion of carrot root parenchyma by Rhizopus stolonifer Lind. Thorne S. J Sci Food Agric 26(7):933–40, Jul 75
Letter: Onion, garlic, and atherosclerosis. Sainani GS, et al. Lancet 2(7985):575–6, 11 Sep 76
Letter: Potato scab and teratogeny. Zimmerman N, et al. Lancet 2(7942):990–1, 15 Nov 75
The role of vegetable dietary fibre in human nutrition. Eastwood MA. Med Hypotheses 1(2):46–53, Mar–Apr 75 (76 ref.)
Fascioliasis causing hepatitis in two eaters of water cress. Wood UJ, et al. Med J Aust 2(22):829–31, 29 Nov 75
The herbs and the heart. Nutr Rev 34(2):43–4, Feb 76 (17 ref.)
Letter to the editor: The herbs and the heart. Sebrell WH. Nutr Rev 34(6):190, Jun 76
Pharmacological studies on Daucus carota part I. Dhar VJ, et al. Planta Med 28(1):12–5, Aug 75
Aflatoxin production by a variant of Aspergillus oryzae (NRRL strain 1988) on cowpeas (Vigna sinensis). El–Hag N, et al. Science 192(4246):1345–6, 25 Jun 76
Occurrence of S–methyl thioesters in urines of humans after they have eaten asparagus. White RH. Science 189(4205):810–11, 5 Sep 75
Teratological and toxicological studies of alkaloidal and phenolic compounds from Solanum tuberosum L. Chaube S, et al. Toxicol Appl Pharmacol 36(2):227–37, May 76
The influence of calcium content of water, intake of vegetables and fruit and of other food factors upon the incidence of renal calculi. Rose GA, et al. Urol Res 3(2):61–6, 8 Aug 75
Nonenzymic browning of cauliflower on storage. Pokorný J, et al. Z Lebensm Unters Forsch 158(4):207–14, 24 Jul 75
[Possible uses of potato–tuber water as a substitute for meat water (author's transl)] Muzikář V, et al. Cesk Epidemiol Mikrobiol Imunol 24(3):180–6, May 75 (Eng. Abstr.) (Cze)
[Dietary fiber: a protective factor in the diet] Bonnevie–Nielsen V. Ugeskr Laeger 138(4):199–203, 19 Jan 76 (0 ref.) (Eng. Abstr.) (Dan)
[Biological or chemical cultivation? Hopes and reality] Schuphan W. Hippokrates 46(2):158–79, Jun 75 (Ger)
[Potatoe egg diet and mixed low protein diet: subjective evaluation (author's transl)] Roller F, et al. Med Klin 71(3):112–5, 16 Jan 76 (Eng. Abstr.) (Ger)
[Effect of blanching, freezing and sterilization on protein and amino acid content of green peas] Kulesza C, et al. Nahrung 20(4):369–73, 1976 (Eng. Abstr.) (Ger)
[Seed globulins from legumes. III. Seed globulins from broad bean (Vicia faba L.)] Scholz G, et al. Nahrung 19(9–10):823–8, 1975 (Eng. Abstr.) (Ger)
[Influence of varity and storage–temperature on the substances involved in the enzymatic colour–change of potatoe bulbs (author's transl)] Amberger A, et al. Z Lebensm Unters Forsch 156(4):231–6, 13 Nov 74 (Eng. Abstr.) (Ger)
[Analysis of a synthetic onion aroma (author's transl)] Ledl F. Z Lebensm Unters Forsch 157(1):28–33, 7 Feb 75 (Ger)
[Adding calcium salts and sulphur dioxide for preserving firmness and colour of frozen cauliflower (author's transl)] Polesello A, et al. Riv Sci Tecn Nutr Um 5(1):44–8, Jan–Feb 1975 (Eng. Abstr.) (Ita)
[Occurrence of pathogenic microorganisms in frozen fruit and vegetables] Maleszewski J, et al. Rocz Panstw Zakl Hig 27(1):41–5, 1976 (Eng. Abstr.) (Pol)
[Fiber diet] de Moraes Filho JP, et al. Rev Assoc Med Bras 21(10):303–6, Oct 75 (Por)
[Excretion of mercury in rats depending on the food ration] Koshcheev AK, et al. Gig Sanit (5):39–41, May 76 (Eng. Abstr.) (Rus)
[Role of vegetables in the epidemiology of Far Eastern scarlatiniform fever] Kuznetsov VG, et al. Voen Med Zh (6):49–52, Jun 75 (Rus)
[Estrogenic effect of white head cabbage (Brassica aleraceae)] Kondrashova VM, et al. Vopr Pitan (4):73–5, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Influence of the storage and culinary processing of irradiated potatoes on the cytogenetic activity of extracts obtained from them] Osipova IN, et al. Vopr Pitan (4):54–7, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Isolation of enteroviruses from the surface of vegetables and fruit] Bondarenko VI, et al. Mikrobiol Zh 37(2):244–7, Mar–Apr 75 (Eng. Abstr.) (Ukr)

ADVERSE EFFECTS

Editorial: End of the potato avoidance hypothesis. Br Med J 4(5992):308–9, 8 Nov 75
Potato starch and caecal hypertrophy in the rat. El–Harith EA, et al. Food Cosmet Toxicol 14(2):115–21, Apr 76
The effect of prolonged kale feeding on the thyroid glands of sheep. David JS. J Comp Pathol 86(2):235–41, Apr 76
Studies with chicks on the growth depressing factor(s) in faba beans (Vicia faba L. var. minor). Marquardt RR, et al. J Nutr 106(2):275–84, Feb 76
Fatal self–medication with retinol and carrot juice. Leitner ZA, et al. Proc Nutr Soc 34(2):44A–45A, Sep 75
[Poisoning of cows by sugar beets and corncobs] Lochkarev VA. Veterinariia (9):97–9, Sep 74 (Rus)
[Effect of cabbage leaves on the body of cows] Smirnov AM, et al. Veterinariia (9):91–2, Sep 74 (Rus)
[Harmful substances of natural food products and their hygienic significance] Smoliar VI, et al. Vrach Delo (1):125–8, Jan 74 (Rus)

ANALYSIS

Fungicide residues. Part V. Determination of residues of chloraniformethan in grain and cucumbers by gas chromatography. Hoodless RA, et al. Analyst 101(1200):161–6, Mar 76
Study of guinea pigs fed Swiss chard grown on municipal sludge–amended soil. Multi–element content of tissues. Furr AK, et al. Arch Environ Health 31(2):87–91, Mar–Apr 76
Determination of paraquat residues in food crops by gas chromatography. Khan SU. Bull Environ Contam Toxicol 14(6):745–9, Dec 75
Residues of organophosphorus pesticides in fruits and vegetables on the Swedish market from July 1967 to April 1973. Renvall S, et al. Environ Qual Saf [Suppl] 3:166–74, 1975
Identification of uncommon amino acids in the lentil seed (Lens culinaris Med.). Sulser H, et al. Experientia 32(4):422–3, 15 Apr 76
Dissipation of parathion and related compounds from field–sprayed lettuce. Archer TE. J Agric Food Chem 23(5):858–60, Sep–Oct 75
Effect of cooking on the vitamin C content of fresh leaves and wilted leaves. Fafunso M, et al. J Agric Food Chem 24(2):354–5, Mar–Apr 76
Gas chromatographic analysis of neodecanoic acids in onions. Gilbert MD, et al. J Agric Food Chem 24(1):194–5, Jan–Feb 76
Formation of volatile carbonyl compounds and cooxidation of beta–carotene by lipoxygenase from wheat, potato, flax, and beans. Grosch W, et al. J Agric Food Chem 24(3):456–9, May–Jun 76
Chemical examination of seleniferous cabbage Brassica oleracea capitata. Hamilton JW. J Agric Food Chem 23(6):1150–2, Nov–Dec 75
Analysis of some carbamate and urea herbicides in foods by gas–liquid chromatography after alkylation. Lawrence JF, et al. J Agric Food Chem 23(6):1106–9, Nov–Dec 75
Fate of 2,2–dichlorobiphenyl–14C in carrots, sugar beets, and soil under outdoor conditions. Moza P, et al. J Agric Food Chem 24(4):881–5, Jul–aug 76
A method for the determination of ethylenebis(isothiocyanate) on food crops. Newsome WH. J Agric Food Chem 24(2):420–1, Mar–Apr 76
Rapid determination of tryptophan in beans (Phaseolus vulgaris) by the acid ninhydrin method. Sodek L, et al. J Agric Food Chem 23(6):1147–50, Nov–Dec 75
N–Nitrosamines: absence from sauerkraut and silage. Tate RL 3d, et al. J Agric Food Chem 23(5):896–7, Sep–Oct 75
Glucosinolates and derived products in cruciferous vegetables. Analysis of the edible part from twenty–two varieties of cabbage. VanEtten CH, et al. J Agric Food Chem 24(3):452–5, May–Jun 76
Gas–liquid chromatographic determination of technical chlordane residues in food crops: interpretation of analytical data. Cochrane WP, et al. J Assoc Off Anal Chem 58(5):1051–61, Sep 75
Collaborative study of an extension of the Mills et al. method for the determination of pesticide residues in foods. Finsterwalder CE. J Assoc Off Anal Chem 59(1):169–71, Jan 76
Collaborative study of a spectrophotometric method for determining maleic hydrazide residues in tobacco and vegetables. Ihnat M, et al. J Assoc Off Anal Chem 58(6):1235–43, Nov 75
Collaborative study of the determination of endosulfan, endosulfan sulfate, tetrasul, and tetradifon residues in fresh fruits and vegetables. Mitchell LR. J Assoc Off Anal Chem 59(1):209–12, Jan 76
Lead in potatoes. Warren HV. J R Coll Gen Pract 25(150):66–72, Jan 75
Some changes in the composition of the fruit of the glasshouse cucumber (Cucumis sativus) during growth, maturation and senescence. Davies JN, et al. J Sci Food Agric 27(5):413–8, May 76
Protein and enzyme changes in tomato fruit in relation to blotchy ripening and potassium nutrition. Hobson GE, et al. J Sci Food Agric 27(1):15–22, Jan 76
Multiple forms of soluble monophenol, dihydroxyphenylalanine: oxygen–oxidoreductase (EC 1.14.18.1) from potato tubers (Solanum tuberosum). Matheis G, et al. Z Lebensm Unters Forsch 157(4):221–7, 7 Apr 75 (Eng. Abstr.)

[Effect of cooking on content of nitrates, vitamin C, magnesium and iron in spinach] Astier-Dumas M. **Ann Nutr Aliment** 29(3):239-44, 1975 (Eng. Abstr.) **(Fre)**

[Affinity chromatography of vegetable carbonic anhydrase] Champagnol F. **J Chromatogr** 120(2):489-90, 26 May 76 (Eng. Abstr.) **(Fre)**

[Lead content of vegetable foods in vicinity of lead emitting industry] Auermann E, et al. **Nahrung** 20(5):509-18, 1976 (Eng. Abstr.) **(Ger)**

[Protein screening in wheat and broad bean specimens in Gatersleben] Rudolph A, et al. **Nahrung** 19(9-10):793-807, 1975 (Eng. Abstr.) **(Ger)**

[Flavonols and flavones of vegetables. V. Flavonols and flavones of root vegetables (author's transl)] Eloesser W, et al. **Z Lebensm Unters Forsch** 159(5):265-70, 16 Dec 75 **(Ger)**

[Investigation on the aroma of roasted onions (author's transl)] Ledl F. **Z Lebensm Unters Forsch** 157(4):229-34, 7 Apr 75 (Eng. Abstr.) **(Ger)**

[Cadmium, lead, and zinc-content of fruits and vegetables from gardens in industrial region (author's transl)] Pfeilsticker K, et al. **Z Lebensm Unters Forsch** 158(3):129-36, 18 Jul 75 **(Ger)**

[On the phenolic acids of vegetables. II. Hydroxycinnamic acids and hydroxybenzoic acids of fruit and seed vegetables (author's transl)] Schmidtlein H, et al. **Z Lebensm Unters Forsch** 159(4):213-8, 24 Nov 75 **(Ger)**

[On the phenolic acids of vegetables. IV. Hydroxycinnamic acids and hydroxybenzoic acids of vegetables and potatoes (author's transl)] Schmidtlein H, et al. **Z Lebensm Unters Forsch** 159(5):255-63, 16 Dec 75 **(Ger)**

[On phenolic acids of vegetables. I. Hydroxycinnamic acids and hydroxybenzoic acids of brassica-species and leaves of other cruciferae (author's transl)] Schmidtlein H, et al. **Z Lebensm Unters Forsch** 159(3):139-48, 12 Nov 75 (Eng. Abstr.) **(Ger)**

[On the phenolic acids of vegetables. III. Hydroxycinnamic acids and hydroxybenzoic acids of root vegetables (author's transl)] Stöhr H, et al. **Z Lebensm Unters Forsch** 159(4):218-24, 24 Nov 75 **(Ger)**

Flavonols and flavones of vegetables. IV. Flavonols and flavones of lettuce and endive. [author's transl] Wℰdecke M, et al. **Z Lebensm Unters Forsch** 156(3):153-7, 1974 (Eng. Abstr.) **(Ger)**

[Reduction of pesticide residues in vegetables by means of processing and canning operations (author's transl)] Conti GG, et al. **Riv Sci Tecn Nutr Um** 5(1):9-12, Jan-Feb 1975 (Eng. Abstr.) **(Ita)**

[Studies on the analysis of pesticide residues in food. (XVII). Analytical method of tetrachloroisophthalonitrile residue in agricultural products (author's transl)] Teranishi Y, et al. **Bull Natl Inst Hyg Sci (Tokyo)** (93):41-5, 1975 (Eng. Abstr.) **(Jpn)**

[Content of preserving substances in fruit and vegetable foodstuffs] Graczyk J, et al. **Rocz Panstw Zakl Hig** 27(3):251-2, 1976 (Eng. Abstr.) **(Pol)**

[Determination of propoxur in potatoes] Piechocka J. **Rocz Panstw Zakl Hig** 26(4):503-8, 1975 (Eng. Abstr.) **(Pol)**

[Determination of phentin acetate in potatoes] Piechocka J. **Rocz Panstw Zakl Hig** 27(1):27-32, 1976 (Eng. Abstr.) **(Pol)**

[Rapid method of determination of residual quantities of some phosphoorganic pesticides in food products of vegetable origin and in water] Girenko DB, et al. **Vopr Pitan** (2):79-83, Mar-Apr 75 **(Rus)**

[Composition of bean broth] Jaffé WG, et al. **Arch Latinoam Nutr** 26(1):75-83, Mar 76 (Eng. Abstr.) **(Spa)**

POISONING

Hemolytic anemia associated with ingestion of onions in a dog. Spice RN. **Can Vet J** 17(7):181-3, Jul 76

[Case of poisoning of animals with sugar beets and corn cobs] Cherepovskiĭ L. **Veterinariia** (8):92-3, Aug 75 **(Rus)**

[Celery intoxication] Strömbergson LE. **Lakartidningen** 73(22):2116, 26 May 76 **(Spa)**

RADIATION EFFECTS

Control of postharvest decay in fruits and vegetables by irradiation. Ismail FA, et al. **Nahrung** 20(6):585-92, 1976

[Comparative study of certain aspects of the conservation of Pantano variety tomatoes following gamma irradiations at successive stages of ripening (author's transl)] Magaudda G, et al. **Int J Appl Radiat Isot** 27(5-6):307-18, May-Jun 76 (Eng. Abstr.) **(Fre)**

[Sprout inhibition by radiation and chemical treatment in four potato cultivars (author's transl)] Baraldi D, et al. **Riv Sci Tecn Nutr Um** 5(5-6):291-8, Sep-Dec 75 (Eng. Abstr.) **(Ita)**

[Influence of pre-sowing gamma-irradiation on the biology and fruitfulness of cucumbers] Zhambiansurén D, et al. **Radiobiologiia** 15(5):790-2, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of dose and dose rate of gamma radiation on changes in the quantitative indices of tomatoes] Savin VN, et al. **Tsitol Genet** 10(1):53-6, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

VEGETARIANISM

Altered bile acid metabolism in vegetarians. Hepner GW. **Am J Dig Dis** 20(10):935-46, Oct 75

Letter: Kwashiorkor in Chicago. Berkelhamer JE, et al. **Am J Dis Child** 129(10):1240, Oct 75

Making vegetarian diets nutritious. Williams ER. **Am J Nurs** 75(12):2168-73, Dec 75

Erythrocyte vitamin B12 activity in healthy Indian lactovegetarians. Inamdar-Deshmurkh AB, et al. **Br J Haematol** 32(3):395-401, Mar 76

Serum cholesterol and triglyceride levels in Australian adolescent vegetarians. Ruys J, et al. **Br Med J** 2(6027):87, 10 Jul 76

Health implications of the vegetarian diet. Jenkins RR. **J Am Coll Health Assoc** 24(2):68-71, Dec 75

The dietary status of 'new' vegetarians. Brown PT, et al. **J Am Diet Assoc** 67(5):455-9, Nov 75

On vegetarianism. Friedman S. **J Am Psychoanal Assoc** 23(2):396-406, 1975

Plasma 25-hydroxyvitamin-D-levels during pregnancy in Caucasians and in vegetarian and non-vegetarian Asians. Dent CE, et al. **Lancet** 2(7944):1057-60, 29 Nov 75

Letter: Angina and vegetarian diet. Ellis FR, et al. **Lancet** 1(7970):1190, 29 May 76

Plasma lipids and lipoproteins in vegetarians and controls. **Nutr Rev** 33(9):285-6, Sep 75

Vegetarian diets. Sutnick MR. **Primary Care** 2(2):309-15, Jun 75

VEHICLES

Dependence of corticosteroid penetration on the vehicle. Polano MK, et al. **Arch Dermatol** 112(5):675-80, May 76

Percutaneous absorption, vehicles and dermatological prescribing. Kidd K. **Australas J Dermatol** 16(2):60-78, Aug 75 (94 ref.)

The duration of action of pilocarpine Ocusert on intraocular pressure in man. Drance SM, et al. **Can J Ophthalmol** 10(4):450-2, Oct 75

Penetration of corticosteroids through the skin in relation to the vehicle. Ponec M. **Dermatologica** 152 Suppl 1:37-46, 1976

Proceedings: The effect of plasticizer level on benzocaine-PVC interactions. Bray CS, et al. **J Pharm Pharmacol** 27 Suppl?-2:68P, Dec 75

Attainment of highly uniform solid drug dispersions employing molecular scale drug entrapment in polymeric latices. Larson AB, et al. **J Pharm Sci** 65(6):838-43, Jun 76

Drug-delivery systems and the biological activity of steroids. Van Der Vies J. **J Steroid Biochem** 6(3-4):215-20, Mar-Apr 75 (12 ref.)

In vitro release of chloramphenicol from different suppository bases. Kassem AA, et al. **Pharmazie** 30(7):472-5, Jul 75

Distribution studies of (14C)delta-9-tetrahydrocannabinol in mice: effect of vehicle, route of administration, and duration of treatment. Mantilla-Plata B, et al. **Toxicol Appl Pharmacol** 34(2):292-300, Nov 75

[Effect of a colloidal silica on the physical and especially, rheologic properties of two excipients for suppositories] Doucet J, et al. **Ann Pharm Fr** 33(5):253-63, May 75 (Eng. Abstr.) **(Fre)**

[Coatings. III. Influence of various filmogenic products and plasticizers on the dissolution of tablets with a sodium chloride base] Laguna O, et al. **Ann Pharm Fr** 33(5):235-42, May 75 (Eng. Abstr.) **(Fre)**

[Ocusert. Synopsis of a round-table discussion] Leydhecker W. **Klin Monatsbl Augenheilkd** 167(6):917-8, Dec 75 **(Ger)**

[One year's experience with pilocarpin-ocusert in the therapy of glaucoma (author's transl)] Lienert F, et al. **Klin Monatsbl Augenheilkd** 167(6):870-1, Dec 75 (Eng. Abstr.) **(Ger)**

[Drug--excipient interaction in solid pharmaceutical dosage forms] Onur E. **Turk Hij Deney Biyol Derg** 36(1):88-104, 1976 (Eng. Abstr.) **(Tur)**

ADMINISTRATION & DOSAGE

Tissue damage and concentration at the injection site after intramuscular injection of chemotherapeutics and vehicles in pigs. Rasmussen F, et al. **Res Vet Sci** 20(1):55-60, Jan 76

ADVERSE EFFECTS

Letter: Complications with the use of Ocusert. Pearson DC. **Arch Ophthalmol** 94(1):168, Jan 76

ANALYSIS

[Identification of excipients in tablets] Adam R, et al. **J Pharm Belg** 27(4):442-56, Jul-Aug 72 (Eng. Abstr.) **(Fre)**

[Identification of excipients of some creams of complex formulation] Adam R, et al. **J Pharm Belg** 30(4):309-24, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of drug vehicle on human ocular retention of topically applied tetracycline. Massey JY, et al. **Am J Ophthalmol** 81(2):151-6, Feb 76 (5 ref.)

The effects of ophthalmic drugs, vehicles, and preservatives on corneal epithelium: a scanning electron microscope study. Pfister RR, et al. **Invest Ophthalmol** 15(4):246-59, Apr 76

[Effect of vehicle composition on the liberation and percutaneous penetration of corticosteroids] Moës-Henschel V, et al. **J Pharm Belg** 30(4):390-404, Jul-Aug 75 (Eng. Abstr.) **(Fre)**

[The prolonged effect of perfume fixatives and of ethylcellulose in liquid repellent compositions] Kharitonova SI. **Med Parazitol (Mosk)** 44(6):704-7, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

VEILLONELLA

Isolation of bacteriophages specific for the genus Veillonella. Hiroki H, et al. **Arch Oral Biol** 21(3):215-7, 1976

Total viable count and differential count of vibrio (campylobacter) sputorum, fusobacterium nucleatum, selenomonas sputigena, bacteroides ochraceus and veillonella in the inflamed and non inflamed human gingival crevice. van Palenstein Helderman WH. **J Periodont Res** 10(5):294-305, Nov 75

ENZYMOLOGY

Studies by electron-paramagnetic-resonance spectroscopy on the mechanism of action of xanthine dehydrogenase from Veillonella alcalescens. Dalton H, et al. **Biochem J** 153(2):287-95, 1 Feb 76

Acetate kinase from Veillonella alcalescens. Regulation of enzyme activity by succinate and substrates. Bowman CM, et al. **J Biol Chem** 251(10):3117-21, 25 May 76

ISOLATION & PURIFICATION

Rapid screening of Veillonella by ultraviolet fluorescence. Chow AW, et al. **J Clin Microbiol** 2(6):546-8, Dec 75

Elective medium for the direct count of vibrio (campylobacter) fusobacteria, bacteroides, selenomonas and veillonella in the gingival crevice flora. van Palenstein Helderman WH, et al. **J Periodont Res** 10(4):230-41, Oct 75

METABOLISM

Microbial transformation of 2,4,6-trinitrotoluene and other nitroaromatic compounds. McCormick NG, et al. **Appl Environ Microbiol** 31(6):949-58, Jun 76

Characterization of a naturally occurring diamine auxotroph of Veillonella alcalescens. Ritchey MB, et al. **J Bacteriol** 124(3):1213-9, Dec 75

PHYSIOLOGY

Establishment of defined microbial ecosystems in germ-free rats. II. Di-association of Osborne-Mendel rats with Veillonella alcalescens and several oral microorganisms. Mikx FH, et al. **Caries Res** 10(1):49-58, 1976

ULTRASTRUCTURE

Cell wall composition and incorporation of radio-labelled compounds by Veillonella alcalescens. Winter PF, et al. **Can J Microbiol** 21(12):2039-47, Dec 75

Lipid-phase transitions of the strictly anaerobic bacteria Veillonella parvula and Anaerovibrio lipolytica. Verkley AJ, et al. **J Bacteriol** 124(3):1522-8, Dec 75

VEILLONELLACEAE

ANALYSIS

Characterization of a reserve glucan from Megasphaera elsdenii. Brown RG, et al. **Can J Microbiol** 21(10):1657-9, Oct 75

VEINS

A deficiency of dietary fiber may be one cause of certain colonic and venous disorders. Burkitt DP. **Am J Dig Dis** 21(2):104-8, Feb 76

Inhibition of gastric acid secretion by blood drawing from an indwelling venous needle. Hall WH, et al. **Am J Dig Dis** 21(8):677-9, Aug 76

Differential ovarian and adrenal vein catheterization. Wentz AC, et al. **Am J Obstet Gynecol** 125(7):1000-7, 1 AUG 76

Transillumination of the angular and frontal veins. Cohen SW, et al. **Am J Ophthalmol** 80(4):765-6, Oct 75

Accuracy of blood volume determination via central venous catheters. Nadel WM, et al. **Am J Surg** 132(1):13-4, Jul 76

Adrenal cortical hormones in the spermatic vein of 95 patients with left varicocele. Steeno O, et al. **Andrologia** 8(2):101-4, 1976

Cineangiographic study of the venous drainage of the femoral neck in children. Suramo I, et al. **Ann Clin Res** 8(1):8-14, Feb 76

Evaluation of catheter placement in the treatment of venous air embolism. Sink JD, et al. **Ann Surg** 183(1):58-61, Jan 76

Venous diversion trapping and growth of blood-borne cancer cells en route to the lungs. Van Den Brenk HA, et al. **Br J Cancer** 31(1):46-61, Jan 75

Vortex vein occlusion in retinal detachment surgery. El Aswad MA, et al. **Bull Ophthalmol Soc Egypt** 67:199-207, 1974

Mesenchymal tumors of the uterus. V. Intravenous leiomyomatosis. A clinical and pathologic study of 14 cases. Norris HJ, et al. **Cancer** 36(6):2164–78, Dec 75

Heparin lock as a secondary iv line. Camargo M. **Crit Care Med** 4(3):170–1, May–Jun 76

Human vascular endothelial cells in culture. Lack of response to serum growth factors. Haudenschild CC, et al. **Exp Cell Res** 98(1):175–83, 1 Mar 76

Fibrinolytic response to venous occlusion and vasopressin in health and thrombotic disease. pp. 121–9. Aberg M, et al.
In: Davidson JF et al., ed. Progress in chemical fibrinolysis and thrombolysis. Vol 1. New York, Raven Press, 1975. WI PR6672 v.1 1975.

Etiology of venous disorders. Osman AA. **Int Surg** 60(10):540–3, Oct 75

A venous pulse Doppler catheter-tip flowmeter for measuring arterial blood velocity, flow, and diameter in deep arteries. Nealeigh RC, et al. **ISA Trans** 15(1):84–7, 1976

Venous aneurysm in a horse. Hilbert BJ, et al. **J Am Vet Med Assoc** 167(5):394–6, 1 Sep 75

Angiographic demonstration of a cerebral venous angioma. Case report. Preissig RS, et al. **J Neurosurg** 44(5):628–31, May 76

The proximal basilic vein: a new approach for introduction of a flow-guided catheter into the pulmonary artery.y Mandel S, et al. **J Thorac Cardiovasc Surg** 71(3):376–7, Mar 76

The elusive artery: found by sound. Jelenko C III, et al. **JACEP** 1(3):194, Mar 76

Letter: Subclavian-mammary vein catheterization. Finch MT. **JAMA** 235(10):1001–2, 8 Mar 76

Editorial: The vertebral venous system. Hussey HH. **JAMA** 235(23k0):2524, 7 Jun 76

Letter: Defining the risks of venipuncture. Brenner RJ, et al. **N Engl J Med** 295(1):53–4, 1 Jul 76

Letter: Avoiding the pain of venipuncture. Smith AM. **N Engl J Med** 294(18):1013–4, 29 Apr 76

Letter: The pain of venipuncture. Sultany G, et al. **N Engl J Med** 293(16):830–1, 16 Oct 75

Platelet-bound and free serotonin levels in jugular and forearm venous blood during migraine. Somerville BW. **Neurology (Minneap)** 26(1):41–5, Jan 76

Letter: Central venous cannulation. van Riji AM. **NZ Med J** 83(561):243, 14 Apr 76

Transjugular obliteration of the gastric coronary vein. Goldman ML, et al. **Radiology** 118(2):453–5, Feb 76

Cryopreservation of venous homografts. Weber TR, et al. **Surg Forum** 26:291–3, 1975

'Fibrinolytic potential': the response to a 5 minute venous occlusion test. Walker ID, et al. **Thromb Res** 8(5):629–38, May 76

Pregnancy complicated by intravenous leiomyomatosis. Miller JN Jr. **Trans Pac Coast Obstet Gynecol Soc** 42:81–5, 1975

[Effect of elastic compression on the rate of flow in the deep veins of the leg] Arnoldi CC. **Ugeskr Laeger** 138(5):275–8, 26 Jan 76 (Eng. Abstr.) **(Dan)**

[Evaluation of 1200 venous catheterizations in reanimation] Gouin F, et al. **Ann Anesthesiol Fr** 16(3):179–87, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Additions and corrections to the membership list] **Phlebologie** 28(4):XVII–XVIII, Oct–Dec 75 **(Fre)**

[Subcutaneous calcinosis of the leg] Vendeville P. **Phlebologie** 28(4):537–44, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Ulcerative colitis and cerebral venous thrombosis] Rousseau B, et al. **Union Med Can** 104(3):414–7, Mar 75 (Eng. Abstr.) **(Fre)**

[Determination of enzymes and catabolic products of connective tissue metabolism and their significance for the diagnosis of venous diseases] Schlebusch H, et al. **Arch Gynaekol** 219(1–4):545–7, 18 Nov 75 **(Ger)**

[Malpositioning of venous catheters (author's transl)] Mathias K. **Dtsch Med Wochenschr** 101(16):612–4, 16 Apr 76 (Eng. Abstr.) **(Ger)**

[Letter: Radiation fibrosis with venous occlusion] Vollmar J, et al. **Dtsch Med Wochenschr** 100(42):2180–2, 17 Oct 75 **(Ger)**

[Drug therapy of venopathies] Esser W. **Fortschr Med** 93(30):1506–7, 23 Oct 75 **(Ger)**

[Venous diseases. Controlled study using an antivaricose preparation Bayro-Vas] Wolf W, et al. **Med Welt** 26(17):831–4, 25 Apr 75 **(Ger)**

[First experiences with the system of dynacamera 3C/12-EPR 1100 in intravenous perfusion scintigraphy for the diagnosis of venous and arterial occlusions (author's transl)] Klose E, et al. **Radiobiol Radiother (Berl)** 17(1):77–82, 1976 (Eng. Abstr.) **(Ger)**

[Ureteral obstruction caused by the right ovarian vein (author's transl)] Günther E, et al. **Radiologe** 15(7):297–300, Jul 75 (Eng. Abstr.) **(Ger)**

[Vascular wall connected effects on the etiology and course of venous thrombosis] Leu HJ. **Vasa** 4(1):5–15, 1975 **(Ger)**

[Effect of beta stimulation on venous peripheral blood vessels] Westermann KW, et al. **Verh Dtsch Ges Inn Med** 81:898–901, 1975 **(Ger)**

[Misplaced implantation of a pacemaker electrode in a coronary vein] Möricke R, et al. **Z Gesamte Inn Med** 30(22):730–4, 15 Nov 75 (Eng. Abstr.) **(Ger)**

[Venous angiodysplasias of the upper extremity (report of 2 clinical cases)] Romeo S, et al. **Arch Chir Torac Cardiovasc** 31(3–4):209–20, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

[Instrumental diagnosis of deep venous obstructions in the lower limb. II. Test of maximal venous flow] Polto F, et al. **Chir Patol Sper** 23(4):252–66, Aug 75 (Eng. Abstr.) **(Ita)**

[Uretral stenosis due to ectasia of the ovarian vein] Di Silverio F, et al. **Minerva Urol** 27(1):31–41, Jan–Feb 75 (Eng. Abstr.) **(Ita)**

[Fluctuation in components of blood corpuscles of nutrient vein of bone marrow (author's transl)] Ito M. **Acta Haematol Jpn** 38(6):676–82, Dec 75 (Eng. Abstr.) **(Jpn)**

[A case report: Left ovarian vein syndrome? (author's transl)] Nakazono M, et al. **Jpn J Urol** 66(10):694–8, Oct 75 (Eng. Abstr.) **(Jpn)**

[Aneurysm of V. cephalica] Bulgakov PP. **Klin Khir** (10):77–8, Oct 75 **(Rus)**

[Methods of prevention of complications of catheterization of the main veins] Perepelitsa VN. **Klin Khir** (7):57–8, Jun 75 **(Rus)**

[Comparison of some hematological indices of capillary and venous blood] Danchenko AG, et al. **Lab Delo** (9):532–4, 1975 **(Rus)**

[Generalized phlebectasia of the subcutaneous veins after severe electric injury] Grigor'iants GS. **Zdravookhr Kirg** (2):57–8, Mar–Apr 75 **(Rus)**

[Phlebology of yesterday and today. Historical indtroduction] Donadi GC. **Angiologia** 27(6):298–302, Nov–Dec 75 **(Spa)**

[Septic complications of venous catheters] Gomez Rubi JA, et al. **Rev Clin Esp** 138(2):169–73, 31 Jul 75 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Facial nevi associated with anomalous venous return and hydrocephalus. Shapiro K, et al. **J Neurosurg** 45(1):20–5, Jul 76

Cerebral venous angioma. Scotti LN, et al. **Neuroradiology** 9(3):125–8, 7 Aug 75

Obstruction of ureter by abnormal right spermatic vein. Mellin HE, et al. **Urology** 6(4):517–9, Oct 75

[A differential diagnosis of forearm synovitis. Venous hemangiomas and their thromboses] Chaouat Y, et al. **Rev Rhum Mal Osteoartic** 43(4):310–3, Apr 76 **(Fre)**

[Clinico-roentgenological parallels in congenital hypoplasia of the deep veins of the limbs] Vasiukov VIa. **Vestn Khir** 114(9):41–6, Sep 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Properties of canine tissue thromboplastins from brain, lung, arteries, and veins. Gonmori H, et al. **Am J Physiol** 229(3):618–26, Sep 75

Proceedings: The histochemical assay of plasminogen activator in the venous wall—an inter-ethnic study. Franz RC, et al. **Thromb Diath Haemorrh** 34(2):608–9, 15 Nov 75

[A method for quantitative isolation of lipoproteins from blood vessel walls in an electric field] Popov AV, et al. **Vopr Med Khim** 21(6):655–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The structure of the suprarenal venous system and its possible functional significance. Gonzalo-Sanz LM, et al. **Acta Anat (Basel)** 95(2):309–18, 1976

Morphological study on the human anterior cardiac veins, venae cordis anteriores. Pina JA. **Acta Anat (Basel)** 92(1):145–59, 1975

More about veins. Batson OV. **Acta Anat Nippon** 50(6):299–309, Dec 75

Contribution to the study of functional architecture of ligamentum venosum in adult man. Ferraz de Carvalho CA, et al. **Anat Anz** 138(1–2):78–87, 1975

Remarks on pathways of venous drainage from the left upper intercostal spaces in man. Grzybiak M, et al. **Folia Morphol (Warsz)** 34(3):301–13, 1975

Variation of the anterior cardiac veins and their orifices in the right atrium in man. Mierzwa J, et al. **Folia Morphol (Warsz)** 34(2):125–33, 1975

Studies on the nature and function of polygenic loci in Drosophila. III. Veinlet modifiers having region-specific effects upon the vein pattern. Thomposn JN Jr. **Genetics** 81(2):387–402, Oct 75

The superficial veins of the human brainstem. pp. 93–9. Duvernoy H.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

Variations of basal cerebral veins. Embryologic consideration. pp. 82–92. Huang YP, et al.
In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.

The venous system of the proventriculus of duck (Anas domesticus). Nishida T, et al. **Jpn J Vet Sci** 38(03):255–62, Jun 76

The venous drainage of the tectum mesencephali. An anatomical angiographic study of the quadrigeminal veins. Tamaki N, et al. **Neuroradiology** 11(3):151–7, 16 Jul 76

Venous lakes in the suboccipital dura mater and falx cerebelli of infants: surgical significance. Browder J, et al. **Surg Neurol** 4(1):53–5, Jul 75

[Changes with age in the valvular apparatus of the superficial and deep veins of the leg] Marinov G. **Eksp Med Morfol** 12(2):86–91, 1973 (Eng. Abstr.) **(Bul)**

[Vascularization of the human adult sternum (author's transl)] Sick H, et al. **Arch Anat Histol Embryol (Strasb)** 57(2):197–220, 1974 (Eng. Abstr.) **(Fre)**

[Anatomo-radiological study of the spinal venous system of the lumbo-sacral junction] Renard M, et al. **Bull Assoc Anat (Nancy)** 59(166):725–35, Sep 75 (Eng. Abstr.) **(Fre)**

[The venous vascularization of the pancreas] Sow ML, et al. **Bull Assoc Anat (Nancy)** 59(164):255–64, Mar 75 (Eng. Abstr.) **(Fre)**

[The left superior intercostal vein (author's transl)] Pagniez B, et al. **J Radiol Electrol Med Nucl** 56(4):285–98, Apr 75 (Eng. Abstr.) **(Fre)**

[Communicating veins of the foot] Stolić E. **Verh Anat Ges** 68:873–7, 1974 (Eng. Abstr.) **(Fre)**

[The structure and function of the vena spermatica interna--the etiology of varicocele] Völter D, et al. **Andrologia** 7(2):127–33, 1975 (Eng. Abstr.) **(Ger)**

[Demonstration of the pelvic veins] Frössler H, et al. **Med Welt** 26(52):2317–20, 26 Dec 75 **(Ger)**

[Topographic relationships of veins in the orbit] Jo A, et al. **Verh Anat Ges** 68:539–48, 1974 (Eng. Abstr.) **(Ger)**

[Vessels with perivascular spaces rich in connective tissue in the brain of Lepidosteus] Merker G. **Verh Anat Ges** 68:345–8, 1974 (Eng. Abstr.) **(Ger)**

[Adrenal veins and their connection with retroperitoneal vessels in man] Sapin M. **Verh Anat Ges** 68:549–53, 1974 (Eng. Abstr.) **(Ger)**

[The wall structure of the central vein of the human adrenal glands] Barenthin H. **Z Mikrosk Anat Forsch** 89(4):647–64, 1975 (Eng. Abstr.) **(Ger)**

[Anatomical notes on the vascular and lymphatic structures of the hand] Fabri S, et al. **Ann Osp Maria Vittoria Torino** 17(1–6):137–54, Jan–Jun 74 **(Ita)**

[Testicular and ovarian blood vessels] Shimada Y, et al. **Acta Anat Nippon** 50(3):147–50, 1 Jun 75 (Eng. Abstr.) **(Jpn)**

[Morphological study of the kidney in the fowl. II. Renal protal and venous systems (author's transl)] Kurihara S, et al. **Jpn J Vet Sci** 37(4):363–77, Aug 75 (Eng. Abstr.) **(Jpn)**

[Diagnostic values of 'quadrigeminal veins' (author's transl)] Tamaki N, et al. **Neurol Med Chir (Tokyo)** 16(1 Pt 2):65–70, Jan 76 (Eng. Abstr.) **(Jpn)**

[Phlebography of lumbar spine area. Technique of investigations and anatomy (author's transl)] Boczoń S. **Pol Przegl Radiol** 40(3):171–6, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Intraosseous veins of the maxilla in the newborn] Bogdanov RA. **Arkh Anat Gistol Embriol** 69(12):47–51, Dec 75 (Eng. Abstr.) **(Rus)**

[Architectonics of the branch-forming veins passing through the emissaries of the cranial vault] Rusin IG. **Vopr Neirokhir** (2):48–50, MAR–APR 75 **(Rus)**

DRUG EFFECTS

Effects of naturally occurring catecholamines on adrenergic neuro-effector interaction in isolated cutaneous veins. Dalemans P, et al. **Arch Int Pharmacodyn Ther** 220(2):333–4, Apr 76

Enhanced prostaglandin synthesis contributes to the venoconstrictor activity of ergotamine. Müller-Schweinitzer E, et al. **Blood Vessels** 12(4):193–205, 1975

Responsiveness of isolated dog veins to bradykinin and other bioactive peptides: distribution of sensitivity to bradykinin and possible correlation with genesis of the venous system. Tsuru H, et al. **Blood Vessels** 13(4):238–48, 1976

Proceedings: The effect of contrast media on normal and inflamed canine venous endothelium. Ritchie WG. **Br J Radiol** 48(575):945, Nov 75

Changes in the fine structure of venous endothelium in the rabbit following adrenaline infusion. Griffiths NJ, et al. **Cell Tissue Res** 169(1):123–8, 11 Jun 76

Influence of ergot compounds on compliance of superficial hand veins in man. Aellig WH. **Postgrad Med J** 52suppl 1:21–23, 1976

Studies on the venoconstrictor effect of ergot compounds in man. Aellig WH. **Triangle** 14(1):39–46, 1975

[Plethysmographic and in vitro studies of the vasodilator effect of furosemide (Lasix)] Biamino G, et al. **Int J Clin Pharmacol Biopharm** 12(3):356–68, Oct 75 (Eng. Abstr.) **(Ger)**

[Postoperative prevention of thrombosis through the tonicizing of the caudal venous system. A new principle of drug therapy] Fey KH, et al. **Med Klin** 70(39):1553–8, 26 Sep 75 (Eng. Abstr.) **(Ger)**

[The effects of electric, ionic, hormonal, and pharmacological stimulation on the function of arteries and veins and their modification by Nifedipin (Adalat)] Brecht K, et al. **Med Welt** 26(36):1602–9, 5 Sep 75 **(Ger)**

[Test of venoconstriction in humans; an improved technic for quantitative evaluation of venous spasm] Del Bianco PL, et al. **Boll Soc Ital Biol Sper** 51(14):883–8, 30 Jul 75 **(Ita)**

[Clinical pharmacology of pindolol on vasomotor receptors] Rumboldt Z, et al. **Boll Soc Ital Biol Sper** 51(14):895–900, 30 Jul 75 **(Ita)**

[On tachyphylaxis to adrenaline: study of drug effects on beta-adrenergic venous receptors in humans] Sicuteri F,

et al. **Boll Soc Ital Biol Sper** 51(14):889–94, 30 Jul 75 **(Ita)**

EMBRYOLOGY

[Functional anatomy of the venous inflow in the human fetal heart (author's transl)] Reiff H. **Basic Res Cardiol** 71(2):199–209, Mar–Apr 76 (Eng. Abstr.) **(Ger)**

INJURIES

Mangement of late sequelae of venous injury. pp. 51–61. Dale WA.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Trauma to the venous system. pp. 3–19. Rich NM, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Major venous injuries and bullet wounds. Ayres ML, et al. **Injury** 7(3):221–4, Feb 76

Venous trauma: emphasis for repair is indicated. Rich NM, et al. **J Cardiovasc Surg (Torino)** Spec No:571–5, 1973

Reconstructive surgery in major vein injuries in the extremities. Schramek A, et al. **J Trauma** 15(9):816–22, Sep 75

Traumatic arteriovenous fistulas and false aneurysms: a review of 558 lesions. Rich NM, et al. **Surgery** 78(6):817–28, Dec 75

Proceedings: Recovery of the venous wall from leukocyte induced injury. Stewart GJ, et al.
Thromb Diath Haemorrh 34(1):330–1, 30 Sep 75

Major peripheral veins injuries. Romanoff H, et al.
Vasc Surg 10(3):157–63, May–Jun 76

[Indications for reconstructing injured veins in associated arterial lesions (author's transl)] Goller WG, et al.
Langenbecks Arch Chir 338(4):275–90, 10 Sep 75 **(Ger)**

[Disturbances of venous flow (author's transl)] May R.
Langenbecks Arch Chir 339:489–92, Nov 75 (Eng. Abstr.) **(Ger)**

[Bone fracture and vascular lesion (author's transl)] Vollmar J. **Langenbecks Arch Chir** 339:473–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Traumatic lesions to the arterial and venous wall] Kappert A, et al. **Med Welt** 27(15):699–701, 9 Apr 76 **(Ger)**

[Experimental observations on posttraumatic venous thrombosis] Pouche' A, et al.
Ateneo Parmense [Acta Biomed] 46(4):223–45, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Injuries of the large veins of the limbs] Kornilov VA, et al. **Vestn Khir** 115(11):81–5, Nov 75 (Eng. Abstr.) **(Rus)**

[Ligation of the brachiocephalic vein and thoracic duct in knife wounds] Urman MG. **Vestn Khir** 116(2):131–2, Feb 76 **(Rus)**

INNERVATION

Depression by local cooling of 3H–norepinephrine release evoked by nerve stimulation in cutaneous veins. Vanhoutte PM, et al. **Blood Vessels** 13(1–2):92–9, 1976

Central nervous control of venous tone. III. Responses of capacitance and resistance vessels of skin to bulbar and hypothalamic stimulation. Manchanda SK, et al.
Indian J Physiol Pharmacol 19(3):105–20, Jul–Sep 75

METABOLISM

Depressed function of a ouabain–sensitive sodium–potassium pump in blood vessels from renal hypertensive dogs. Overbeck HW, et al. **Circ Res** 38(6 Suppl 2):48–52, Jun 76

Concentrations of ethanol in two segments of the vascular system. Sedman AJ, et al. **J Forensic Sci** 21(2):315–22, Apr 76

PATHOLOGY

Age and sex differences in the response of lymph node post–capillary venules in mice infected with Toxoplasma gondii. Henry L, et al. **Br J Exp Pathol** 57(3):274–80, Jun 76

Aneurysm of a superior cerebral vein. Kaplan HA, et al. **J Neurosurg** 44(3):096–7, Mar 76

Vascular lesions in intracranial tuberculosis. Poltera AA.
Pathol Microbiol (Basel) 43(2–O):192–4, 1975

[Pathomorphosis of plexus veins in varicocele] Dathe G, et al. **Med Welt** 27(34):1564–7, 20 Aug 76 **(Ger)**

[Pathophysiological aspects of the venous system of the leg as a consequence of anatomical and physiological peculairities (author's transl)] Jaques R. **Praxis** 64(40):1282–8, 7 Oct 75 **(Ger)**

[Histological studies on the lower leg veins in postthrombotic syndrome. I. Structure changes of the venous wall] Keller G, et al. **Z Hautkr** 50(23):955–62, 1 Dec 75 **(Ger)**

[Age and transformation dynamics of rectal vains and their alteration during hemorrhoid development] Mel'man EP, et al. **Arkh Patol** 38(4):43–9, Apr 76 (Eng. Abstr.) **(Rus)**

[Clinical importance of changes in myocardial veins in hypertensive disease in elderly persons] Rybka VN.
Vrach Delo (3):32–6, Mar 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Blood flow and venous distensibility in the upper and lower extremities of newborn infants. Wong WH, et al.
Acta Paediatr Scand 65(5):571–5, Sep 76

Venous distensibility during pregnancy determined by graded venous congestion. Barwin BN, et al.
Am J Obstet Gynecol 125(7):921–3, 1 AUG 76

Response of fibrinolytic activity to venous occlusion. Shaper AG, et al. **Br Med J** 3(5983):571–3, 6 Sep 75

Effective vascular compliance and venous diameter in dogs. Larochelle P, et al. **Can J Physiol Pharmacol** 54(2):154–9, Apr 76

The migration of lymphocytes across specialized vascular endothelium. I. The entry of lymphocytes into the isolated mesenteric lymph–node of the rat. Sedgley M, et al.
Cell Tissue Kinet 9(3):231–43, May 76

Static linear and nonlinear elastic properties of normal and arterialized venous tissue in dog and man. Wesly RL, et al. **Circ Res** 37(4):509–20, Oct 75

The effect of repeated phlebotomy on bilirubin turnover, bilirubin clearance and unconjugated hyperbilirubinaemia in the Crigler–Najjar syndrome and the jaundiced Gunn rat: application of computers to experimental design. Berk PD, et al. **Clin Sci Mol Med** 50(5):333–48, May 76

Differences in the reactions of the pial arteries and veins. pp. 103–6. Brandt H, et al.
In: Cervós–Navarro J, et al., ed. The cerebral vessel wall. New York, Raven Press, 1976. WL 300 E73c 1975.

Effects of epinephrine on resisitive and compliant properties of the canine vasculature. Mitzner W, et al.
J Appl Physiol 39(2):272–80, Aug 75

A new method for measuring venous blood flow with the aid of an electromagnetic flowmeter. Conti F, et al.
J Cardiovasc Surg (Torino) 17(4):363–7, Jul–Aug 76

RBC velocity profiles in arterioles and venules of the rabbit omentum. Schmid–Schoenbein GW, et al.
Microvasc Res 10(2):153–64, Sep 75

Psychogenic and neurogenic effects on the intact forearm vein of man. Burch GE. **Pavlov J Biol Sci** 10(3):130–41, Jul–Sep 75

The venomotor response to static muscular exercise. Lorentsen E. **Scand J Clin Lab Invest** 35(8):789–94, Dec 75

[Vascular regeneration of rabbit femoral bone marrow after curettage (author's transl)] Sick H, et al.
Arch Anat Histol Embryol (Strasb) 57(2):229–46, 1974 **(Fre)**

[Venous capacity and venous drainage capacity of the legs in subjects with healthy vascular systems] Grossmann K, et al. **Z Gesamte Inn Med** 30(1):19–22, 1 Jan 75 (Eng. Abstr.) **(Ger)**

[Pressure–depending venous capacity in relation to age and sex in an average population group] van den Berg E, et al. **Z Kardiol** 65(1):68–80, Jan 76 (Eng. Abstr.) **(Ger)**

[Fffects of phlebostasis artificially induced on serum histamine] Fogari R, et al. **Boll Soc Ital Biol Sper** 51(20):1417–21, 30 Oct 75 **(Ita)**

[Circulatory disturbance of the venous system under intracranial hypertension (3rd report)–an experiment using primates (author's transl)] Nakagawa Y, et al.
Neurol Surg (Tokyo) 3(10):821–5, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Compensatory–adaptive transformation of the superficial cerebral veins in dogs of different ages following exclusion of the superior sagittal sinus] Kleshcheva RP.
Arkh Anat Gistol Embriol 69(7):52–5, Jun 75 (Eng. Abstr.) **(Rus)**

[The contractile activity of amphibian vein smooth muscle cells] Erofeev NP. **Fiziol Zh SSSR** 61(11):1681–5, Nov 75 **(Rus)**

[Comparison of the effect of increased arterial and venous pressure on the change of venous resistance in the small intestine] Török J. **Cesk Fysiol** 24(4):341–4, 1975 **(Slo)**

PHYSIOPATHOLOGY

Altered venous function in hypertensive rats. Simon G.
Circ Res 38(5):412–8, May 76

Early mechanisms for restoration of venous patency after thrombotic occlusion. pp. 275–85. Silver D.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Sustained venoconstriction in man supplemented with CO2 at high altitude. Cruz JC, et al. **J Appl Physiol** 40(1):96–100, Jan 76

Preservation of venous tissue. Nicholas GG, et al.
J Surg Res 20(3):221–3, Mar 76

Arterial and venous function in the lower leg in patients with primary lymphoedema. Kuiper JP, et al. **Vasa** 4(4):388–90, 1975 (Eng. Abstr.)

[Thrombogenesis in veins] Beneke G. **Med Welt** 27(25):1222–4, 18 Jun 76 **(Ger)**

[Assessment of the functional capacity in the patients with venous diseases] Voigt H, et al. **Z Gesamte Inn Med** 30(21):230–3, 1 Nov 75 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

On radiation–decreased fibrinolytic activity of vessel walls. Svanberg L, et al. **Acta Obstet Gynecol Scand** 55(1):49–51, 1976

SURGERY

Enhancement of flow through arteriovenous fistula. Mindich BP, et al. **Arch Surg** 111(2):195–6, Feb 76

Results of ligation of internal spermatic vein in the treatment of infertility in azoospermic patients. Mehan DJ.
Fertil Steril 27(1):110–4, Jan 76

Techniques of venous repair. pp. 243–56. Rich NM, et al.
In: Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.

Surgical treatment of postmastectomy lymphedema of the upper limb. Cordeiro AK, et al.
J Cardiovasc Surg (Torino) Spec No:125–9, 1973

Late results of lymphovenous anastomosis. Nielubowicz J, et al. **J Cardiovasc Surg (Torino)** Spec No:113–20, 1973

The utilization of tissue adhesives in lymphovenous anastomoses. Kósa C, et al. **Polim Med** 4(4):349–52, 1974

Anastomosis of small veins with suture or Nakayama's apparatus. A comparative study. Ostrup LT.
Scand J Plast Reconstr Surg 10(1):9–17, 1976

Repair of small veins with absorbable collagen tubules. Berakha GJ, et al. **Surg Forum** 26:550–2, 1975

[Infra–fascial ligation of incompetent perforating veins for cure of varicose ulcer (author's transl)] Schoevaerdts JC.
Acta Chir Belg 74(6):568–80, Nov 75 (Eng. Abstr.) **(Fre)**

[Comparative evaluation of results of corrective surgery of the blood flow in post–phlebitis syndromes of the leg] Askerkhanov RP, et al. **Phlebologie** 28(4):603–9, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Comparative characteristics of surgical approaches to the urogenital venous plexus] Glazkov SI.
Urol Nefrol (Mosk) (6):37–40, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Surgical anatomy of the initial portion of the small subcutaneous vein and the method of phlebectomy] Bulgakov PP. **Vestn Khir** 114(9):52–6, Sep 75 **(Rus)**

[Surgical treatment of post–thrombophlebitic syndrome] Petrov ML, et al. **Vestn Khir** 116(3):48–50, Mar 76 (Eng. Abstr.) **(Rus)**

[New technics for the prevention of thrombosis of vein sutures] Raso AM, et al. **Angiologia** 28(3):131–7, May–Jun 76 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Long–term follow–up of patients with peripheral arterial obliterations treated with arterial surgery. Hansteen V, et al. **Acta Chir Scand** 141(8):725–30, 1975

Postoperative changes in bypass vein grafts and collateral arteries after femoropopliteal arterial reconstructive surgery. Vänttinen E. **Acta Chir Scand** 141(8):731–8, 1975

Letter: Graft patency and serum triglycerides. Silberman RE.
Am J Cardiol 36(3):413, Sep 75

Factors influencing patency of femoropopliteal artery bypass grafts. Buda JA, et al. **Am J Surg** 132(1):8–12, Jul 76

Nonanastomotic aneurysms in venous homologous grafts and bovine heterografts in femoropopliteal bypasses. Rossi G, et al. **Am J Surg** 132(3):358–62, Sep 76

Historical aspects in the development of venous autografts. Harrison LH Jr. **Ann Surg** 183(2):101–6, Feb 76

The effects of femoropopliteal vein graft failure on limb function. Lye CR, et al. **Ann Surg** 183(1):38–41, Jan 76

Histologic fate and endothelial changes of distended and nondistended vein grafts. Ramos JR, et al. **Ann Surg** 183(3):205–28, Mar 76

Pathological changes in surgically removed aortocoronary vein grafts. Barboriak JJ, et al. **Ann Thorac Surg** 21(6):524–7, Jun 76

Sodium nitroprusside as a coronary vasodilator in man: a comparison of the effects of sodium nitroprusside and papaverine hydrochloride on aortocoronary saphenous vein graft flow. Larsen PB, et al. **Ann Thorac Surg** 21(1):16–8, Jan 76

In favor of the Y–graft for aortocoronary bypass. Marco JD, et al. **Ann Thorac Surg** 21(6):519–23, Jun 76

Improvement in forward coronary blood flow by using a reversed saphenous vein with a competent valve. Phillips SJ, et al. **Ann Thorac Surg** 21(1):12–5, Jan 76

Arteriovenous fistulas constructed with modified human umbilical cord vein graft. Dardik H, et al. **Arch Surg** 111(1):60–2, Jan 76

An experimental evaluation of microvenous grafts. Fujikawa S, et al. **Br J Plast Surg** 28(4):244–6, Oct 75

Comparison of coronary artery bypass procedure: saphenous vein graft versus internal mammary artery graft. Suzuki A, et al. **Bull Soc Int Chir** 34(3):197–205, 1975

End–to–side anastomoses of vein grafts to arteries. Carroll SE. **Can J Surg** 19(4):311, Jul 76

Effect of blood flow rate on subendothelial proliferation in venous autografts used as arterial substitutes. Faulkner SL, et al. **Circulation** 52(2 Suppl 1):163–72, Aug 75

Myocardial blood flow following saphenous vein bypass surgery. Goldberg AD, et al. **Circulation** 52(2 Suppl 1):215–9, Aug 75

Blood flow and vasoactive drug effects in internal mammary and venous bypass grafts. McCormick JR, et al.
Circulation 52(2 Suppl 1):72–80, Aug 75

Saphenous vein bypass grafting. Changes in native circulation and collaterals. McLaughlin PR, et al. **Circulation** 52(2 Suppl 1):66–71, Aug 75

Noninvasive assessment of aorta–coronary saphenous vein bypass graft patency using directional Doppler. Pisko–Dubienski ZA, et al. **Circulation** 52(2 Suppl 1):188–97, Aug 75

Nonmechanical factors affecting aortocoronary vein graft flow. Tyers GF, et al. **Circulation** 52(2 Suppl 1):178–81, Aug 75

Immunology of the venous homograft. pp. 395–407. Perloff LJ, et al.

In: **Swan KG et al., ed. Venous surgery in the lower extremities. St. Louis, Green, 1975. WE 850 S989v 1973.**

Surgical management of vertebral-basilar insufficiency. Cormier JM, et al. **J Cardiovasc Surg (Torino)** 17(3):205–23, May–Jun 76

Effectiveness of azathioprine in extending vein homograft survival. Perloff LJ, et al. **J Cardiovasc Surg (Torino)** Spec No:554–9, 1973

Selection of coronary bypass. Anatomic, physiological, and angiographic considerations of vein and mammary artery grafts. Geha AS, et al. **J Thorac Cardiovasc Surg** 70(3):414–31, Sep 75

Surgical treatment of unstable angina by saphenous vein and internal mammary artery bypass grafting. Geha AS, et al. **J Thorac Cardiovasc Surg** 71(3):348–54, Mar 76

Coronary artery bypass with freeze-preserved saphenous vein allografts. Tice DA, et al. **J Thorac Cardiovasc Surg** 71(3):378–82, Mar 76

Intra-operative haemodynamic findings and their prognostic significance in femoropopliteal reversed saphenous vein graft bypass operations. Albrechtsen D. **Scand J Thorac Cardiovasc Surg** 10(1):67–76, 1976

Femoropopliteal bypass for salvage and claudication: a comparison of long-term results. Martin CE, et al. **South Med J** 69(4):420–3, Apr 76

Construction of arteriovenous fistulas for hemodialysis. Beven EG, et al. **Surg Clin North Am** 55(5):1125–36, Oct 75

Operative technique in myocardial revascularization. Loop FD. **Surg Clin North Am** 55(5):1181–91, Oct 75

Internal jugular venous autograft in extrahepatic portal hypertension. Beilin LB, et al. **Surg Gynecol Obstet** 142(1):62–4, Jan 76

Unusual problems of venous thrombosis. Dale WA, et al. **Surgery** 78(6):707–22, Dec 75

Anastomotic aneurysms after vascular reconstruction: problems of incidence, etiology, and treatment. Szilagyi DE, et al. **Surgery** 78(6):800–16, Dec 75

The antigenicity of venous allografts. Perloff LJ, et al. **Trans Am Soc Artif Intern Organs** 22:234–41, 1976

Aneurysms of an aorto-coronary artery saphenous vein bypass graft—a case report. Benchimol A, et al. **Vasc Surg** 9(4):261–4, Sep–Oct 75

Long-term evaluation of venous tissue in the construction of cardiac valves. Castillo-Olivares JL, et al. **Vasc Surg** 9(4):211–9, Sep–Oct 75

Long term evaluation of allogenic veins as arterial grafts. Kraeger RR, et al. **Vasc Surg** 10(2):121–7, Mar–Apr 76

Bovine heterografts for hemodialysis. Foran RF, et al. **West J Med** 123(4):269–74, Oct 75

[Arteriosclerotic occlusion of the superficial femoral artery treated with a great saphenous vein in situ graft] Nissen HM, et al. **Ugeskr Laeger** 138(12):742–5, 15 Mar 76 (Eng. Abstr.) **(Dan)**

[Arterial revascularization of the upper limb by means of transthoracic aorto-humeral bridging (author's transl)] Villard J, et al. **Ann Chir Thorac Cardiovasc** 15(2):129–32, Apr 76 (Eng. Abstr.) **(Fre)**

[Thyroid cancer with secondary rupture of a carotid artery treated with a vein graft. 4-year follow-up] Spay G, et al. **Bull Soc Med Afr Noire Lang Fr** 19(2):160–2, 1974 (Eng. Abstr.) **(Fre)**

[Thrombosis of the axillary artery following shoulder dislocation. Venous autograft. Cure. Apropos of a case] Ghitesco T, et al. **Chirurgie** 101(1):56–8, 15–29 Jan 75 **(Fre)**

[Revascularization of arteries of the leg by bypass in chronic arteriopathies of the lower limbs. Apropos of 50 cases] Kerdiles Y, et al. **J Chir (Paris)** 111(3):297–306, Mar 76 (Eng. Abstr.) **(Fre)**

[Mixed dacron-vein bypass. Apropos of 33 cases] Lagneau P, et al. **J Chir (Paris)** 111(2):175–84, Feb 76 (Eng. Abstr.) **(Fre)**

[Experimental study of repair of the lacrimal ducts by venous graft] Clodius L, et al. **J Fr Otorhinolaryngol** 25(2):137–9, Feb 76 **(Fre)**

[Disobliteration of the origin of the superficial femoral artery during femoro-popliteal venous bypasses] Bastide G, et al. **Nouv Presse Med** 5(21):1358–60, 22 May 76 **(Fre)**

[Intubation of vein grafts] Gillot C, et al. **Nouv Presse Med** 3(41–43):2553–5, 30 Nov–14 Dec 74 (Eng. Abstr.) **(Fre)**

[Homologous transplantation of freeze-dryed veins. An experimental contribution to the problem of blood vessel replacement] Staudacher M. **Fortschr Med** 94(5):245–50, 12 Feb 76 **(Ger)**

[Clinical experiences with untreated homologous vein grafts in reconstruction of arteries (author's transl)] Schulze-Bergmann G, et al. **Thoraxchirurgie** 23(5):468–71, Oct 75 (Eng. Abstr.) **(Ger)**

[Thoracic radiography after combined resections of the bronchi and pulmonary artery with autoplastic vascular sealing. (experimental investigations)] Rabinowitsch JJ, et al. **Z Erkr Atmungsorgane** 143(1):28–35, Apr 75 (Eng. Abstr.) **(Ger)**

[Experimental tendon sheath formation by free transplantation of a long vein segment (comparative study of adhesions formed around free grafts and pedicled grafts)] Vilmos B, et al. **Magy Traumatol Orthop** 19(2):130–7, 1976 (Eng. Abstr.) **(Hun)**

[Occlusion of iliac arteries treated by bypass operation using venous autografts] Koźmiński S, et al. **Pol Przegl Chir** 48(1):17–23, Jan 76 (Eng. Abstr.) **(Pol)**

[Blood flow through the femoral artery graft in relation to the mode of its anastomosis with the artery] Koźmiński S, et al. **Pol Tyg Lek** 31(13):517–9, 29 Mar 76 (Eng. Abstr.) **(Pol)**

[Therapeutic management of vascular emergencies] Pop I, et al. **Rev Chir [Chir]** 23(9):745–50, Nov–Dec 74 (Eng. Abstr.) **(Rum)**

[Viability of the kidney following autovenoplasty of its artery] Dzhavakhishvili NA, et al. **Arkh Anat Gistol Embriol** 69(11):5–13, Nov 75 (Eng. Abstr.) **(Rus)**

[Possibilities of autovenoplasty in occlusions of the major veins] Vasiutkov VIa. **Klin Khir** (12):40–2, Dec 75 **(Rus)**

[Artificial tendon sheaths from the blood vessels] Biro V, et al. **Ortop Travmatol Protez** (11):5–9, Nov 75 (Eng. Abstr.) **(Rus)**

[Comments on the outcome of reconstructive treatment of chronic occlusions of the peripheral arteries] Bytka PF. **Vestn Khir** 114(2):70–4, Feb 75 (Eng. Abstr.) **(Rus)**

[Operation of cross autovenous shunting in post thrombophlebitic disease of the lower limbs] Gorbunov GM. **Vestn Khir** 115(8):57–60, Aug 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An electron microscopic study of transmural migration of blood cells in the bone marrow. Ogawa T. **Acta Haematol Jpn** 38(6):656–75, Dec 75 (Eng. Abstr.)

Uterine vasculature of the pregnant pig: a scanning electron microscope study. MacDonald AA. **Anat Rec** 184(4):689–97, Apr 76

Ultrastructural effects of prostaglandins on venules. Simpson JG, et al. **Bibl Anat** 13:301–2, 1975

Electron microscopic evidence for a muscle layer in the wall of the terminal hepatic venule in the rat. Sasse D, et al. **Cell Tissue Res** 165(3):391–6, 27 Jan 76

Human nasal blood vessels after permanent tracheostomy. Electron-microscopic study. Toppozada HH, et al. **ORL** 38(1):35–44, 1976

VELBAN see **VINBLASTINE**

VENA CAVA, INFERIOR

An evaluation of the Mobin-Uddin umbrella in the prevention of pulmonary thromboembolism. Lawrence GH, et al. **Am J Surg** 132(2):204–8, Aug 76

Orthotopic renal homotransplantation in a patient with thrombosis of the inferior vena cava. Mozes MF, et al. **Am J Surg** 131(5):633–6, May 76

Residual right-to-left shunt following repair of atrial septal defect. Desnick SJ, et al. **Ann Thorac Surg** 21(4):291–5, Apr 76

Ultrasonic investigation of inferior vena-caval obstruction. Taylor KJ. **Br J Radiol** 48(576):1024–6, Dec 75

Systemic arteriovenous fistula simulating severe valvular aortic stenosis. Blesa ES, et al. **Chest** 70(1):88–90, Jul 76

Vena cava umbrella filter: experimental, hemodynamic and embolization studies. Harjola PT, et al. **J Cardiovasc Surg (Torino)** 16(6):626–31, Nov–Dec 75

Pulmonary arterial thrombo-embolism and pulmonary arterial mycotic aneurysms in cattle with vena caval thrombosis: a condition resembling the Hughes-Stovin syndrome. Breeze RG, et al. **J Pathol** 119(4):229–37, Aug 76

Primary epithelial tumour in the right atrium of the heart and inferior vena cava in NZR/gd inbred rats; pathology of 18 cases. Goodall CM, et al. **J Pathol** 116(4):239–51, Aug 75

Combined portal and vena caval hypertension in Gaucher disease: The value of preoperative venography. Fellows KE, et al. **J Pediatr** 87(5):739–43, Nov 75

Thrombus of inferior vena cava presenting as right atrial tumor. Roentgenographic, phonoechocardiographic, angiographic, and surgical findings. Broadbent JC, et al. **J Thorac Cardiovasc Surg** 72(3):422–6, Sep 76

Transient protein-losing enteropathy secondary to elevated caval pressures and caval obstruction after the Mustard procedure. Moodie DS, et al. **J Thorac Cardiovasc Surg** 72(3):379–82, Sep 76

Transcatheter biopsy of renal carcinoma invading the inferior vena cava. Wendth AJ Jr, et al. **J Urol** 115(3):331–2, Mar 76

Therapeutic balloon occlusion of the inferior vena cava. Hunter JA, et al. **JAMA** 234(10):1034–7, 8 Dec 75

Thrombosis of the renal veins and vena cava. Occurrence in morbid obesity. Luft FC, et al. **JAMA** 234(11):1158–60, 15 Dec 75

Inferior vena cava obstruction in Whipple disease. Association with retroperitoneal lymphadenopathy. Maas LC, et al. **JAMA** 236(7):856–7, 16 Aug 76

Successful management of severe aortocaval compression in twin pregnancy. Kim YI, et al. **Obstet Gynecol** 46(3):362–4, Sep 75

Inferior vena cava obstruction secondary to indwelling venous catheters: two cases. Riggs TT, et al. **Pediatrics** 58(3):446–9, Sep 76

Spurious complete obstruction of the inferior vena cava in an adult as a result of the Valsalva maneuver. Sos TA, et al. **Radiology** 119(2):280, May 76

Spontaneous fistula between an abdominal aortic aneurysm and the inferior vena cava. Allums JA, et al. **Tex Med** 71(10):65–7, Oct 75

The large spontaneous aorta inferior vena caval fistula. Harrison WH Jr. **Vasc Surg** 9(5):317–22, Nov–Dec 75

[Aorto-caval fistulas detected during an investigation of acute renal insufficiency] Blery M, et al. **Ann Radiol (Paris)** 18(8):813–6, Dec 75 **(Fre)**

[Calcification of the inferior vena cava (in relation to one case) (author's transl)] Gomes H, et al. **Ann Radiol (Paris)** 18(6):659–64, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Compression of the bifurcation of the inferior vena cava disclosing an aneurysm of the common iliac artery] Milleret P, et al. **Chirurgie** 101(7):478–82, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[Letter: Mesenterico-cava bypass with a dacron prosthesis for portal hypertension] Gillet M, et al. **Nouv Presse Med** 4(44):3141, 20 Dec 75 **(Fre)**

[Evaluation of the plasma catecholamine level following stepwise collection from the inferior vena cava] Brisse B, et al. **Verh Dtsch Ges Inn Med** 81:242–4, 1975 **(Ger)**

[Sudden death due to lung tumor embolism of an angioplastic sarcoma of the inferior vena cava] Gibb B, et al. **Z Gesamte Inn Med** 30(8):316–8, 15 Apr 75 (Eng. Abstr.) **(Ger)**

[Problem of circulation disorder in the inferior vena cava in newborn infants] Schwinghackl A, et al. **Z Kardiol** 64(5):472–81, May 75 (Eng. Abstr.) **(Ger)**

[Traumatic arteriovenous fistula between the common iliac artery and the inferior vena cava] Wichrowski M, et al. **Pol Przegl Chir** 48(4):509–11, Apr 76 (Eng. Abstr.) **(Pol)**

[Duplication of the stomach complicated by ulcer perforating to the inferior vena cava] Chyczewski L, et al. **Pol Tyg Lek** 31(15):629–30, 12 Apr 76 (Eng. Abstr.) **(Pol)**

[Leiomyosarcoma of inferior vena cava] Zaĭtsev IG, et al. **Khirurgiia (Mosk)** (8):111–2, Aug 75 **(Rus)**

[Malignant leiomyoma of the inferior vena cava] Levitskiĭ EO. **Vrach Delo** (1):94–6, Jan 74 **(Rus)**

[Obstructions of venae cavae (superior and inferior). Treatment with fibrinolytic agents (Streptase)] Zucchelli AL, et al. **Angiologia** 27(6):289–97, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Masked abnormal drainage of the inferior vena cava into the left atrium. Singh A, et al. **Am J Cardiol** 38(2):261–4, Aug 76

Thrombosis in a cavernous left-sided inferior vena cava. An unusual abdominal mass. Krämer AH, et al. **Arch Surg** 111(9):1025–7, Sep 76

Circumcaval ureter: a report of four cases in children with a review of the literature and a new classification. Kenawi MM, et al. **Br J Urol** 48(3):183–92, Jun 76 (132 ref.)

The lateral chest film as an unreliable indicator of azygos continuation of the inferior vena cava. O'Reilly RJ, et al. **Circulation** 53(5):891–5, May 76

Azygos venous connection of anomalous inferior vena cava. Agarwala B, et al. **Ill Med J** 148(6):599–602, Dec 75

Hepatoencephalopathy due to portocaval shunt in a dog. Prouty DL. **J Am Vet Med Assoc** 167(8):756–7, 15 Oct 75

Letter: Budd-Chiari syndrome secondary to obstruction of inferior vena cava. Datta DV. **J Assoc Physicians India** 23(2):165, Feb 75

Four cases of congenital portacaval shunt in the dog. Barrett RE, et al. **J Small Anim Pract** 17(2):71–85, Feb 76

Aorto duodenal fistula with left sided inferior vena cava—a case report. Rauff A, et al. **Singapore Med J** 16(3):227–9, Sep 75

Interposition mesocaval H shunt associated with a left inferior vena cava. Crawford FA Jr, et al. **Surgery** 79(6):678–81, Jun 76

Anomalous cardiovascular structures in a guinea pig. Haris AM, et al. **Vet Pathol** 13(2):157–8, 1976

[The Halasz syndrome (author's transl)] Bennet J, et al. **Ann Radiol (Paris)** 18(3):271–6, Apr 75 (Eng. Abstr.) **(Fre)**

[A special form of double vena cava inferior] Schmidt GP. **Anat Anz** 137(3):200–6, 1975 (Eng. Abstr.) **(Ger)**

[Absence of the vena cava inferior during simultaneous absence of the left kidney in a human fetus] Schmidt GP, et al. **Anat Anz** 137(4):408–16, 1975 (Eng. Abstr.) **(Ger)**

[A rare portacaval anastomosis in a child] Göbbeler T, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):591–3, Dec 75 **(Ger)**

[The scimitar syndrome: abnormal venous drainage of the hypoplastic right lung into the inferior vena cava in dextroposition of the heart] Burckhardt D, et al. **Schweiz Med Wochenschr** 105(45):1514–6, 8 Nov 75 (Eng. Abstr.) **(Ger)**

[Isolated congenital agensis of the inferior vena cava] Kenaan G, et al. **Harefuah** 89(8):357–60, 15 Oct 75 (Eng. Abstr.) **(Heb)**

ANATOMY & HISTOLOGY

[Comparative studies of the vascularization of the posterior vena cava in some laboratory animals] Khristova M. **Eksp Med Morfol** 15(2):112–5, 1976 (Eng. Abstr.) **(Bul)**

EMBRYOLOGY

[Functional anatomy of the ductus venosus in fetuses at term, with special reference to the ductus venosus—sinus

umbilicalis transition] Ferraz de Carvalho CA, et al. **Anat Anz** 137(3):207–20, 1975 **(Ger)**

INJURIES

Management of acute combined injuries to the aorta and inferior vena cava. Mattox KL, et al. **Am J Surg** 130(6):720–4, Dec 75

Letter: Occlusion of the inferior vena cava. Chari P. **Br J Anaesth** 47(10):1118–9, Oct 75

Hepatic trauma involving the hepatic veins and vena cava. McMaster P. **Injury** 7(4):299–305, May 76

Management of injuries to the suprahepatic vena cava. Franklin RH, et al. **J Ky Med Assoc** 74(3):125–7, Mar 76

Survival following complete disruption of inferior vena cava with delayed presentation. Manny J, et al. **J Trauma** 16(2):155–6, Feb 76

Penetrating trauma of colon, cava, and cord. Wilson TH Jr. **J Trauma** 16(5):411–3, May 76

Control of haemorrhage from hepatic vein and vena cava after blunt trauma. Orlay G. **Med J Aust** 2(17):677–9, 25 Oct 75

What can be done for penetrating abdominal vascular injuries. Beall AC Jr. **Med Times** 103(12):65–71, Dec 75

[Successful management of a case of injury of the vena cava and the vascular pedicle of the right kidney in closed trauma of the abdomen] Banchieri FR, et al. **J Urol Nephrol (Paris)** 81(7–8):609–11, Jul–Aug 75 **(Fre)**

[Survival of a case of lesions of the vena cava with section of the right renal vascular peduncle in closed injury of the abdomen] Morra C, et al. **Minerva Urol** 27(5):240–2, Sep–Oct 75 (Eng. Abstr.) **(Ita)**

[Knife wound of the vena cava inferior] Sedov VM. **Vestn Khir** 115(10):133–134, OCT 75 **(Rus)**

PATHOLOGY

Leiomyosarcoma of the inferior vena cava: report of a case and review of the literature. Bailey RV, et al. **Ann Surg** 18(2):169–73, Aug 76

PHYSIOLOGY

Blood flow in mesenteric, hepatic portal and renal portal veins of chickens. Sturkie PD, et al. **Pfluegers Arch** 359(1–2):127–35, 29 Aug 75

[Mitoses in hypertrophied smooth muscle tissue of the rat posterior vena cava] Kaufman Ola. **Biull Eksp Biol Med** 81(4):485–7, 1976 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Uterine hemodynamics and fetal response to vena caval occlusion in sheep. Künzel W, et al. **J Perinat Med** 3(4):260–8, 1975

RADIOGRAPHY

Iliocaval thrombi in pulmonary thromboembolic disease. Rudikoff JC, et al. **Am J Roentgenol** 126(5):1019–22, May 76

Primary inferior vena cava thrombosis: report of nine cases. Siqueira–Filho AG, et al. **Arch Intern Med** 136(7):799–802, Jul 76

Diagnosis of venous extension in renal cell carcinoma. The value of routine inferior venacavography. Palmer J, et al. **Australas Radiol** 19(3):265–71, Sep 75

Venous angiography in malignant tumors of the kidney. Flores Izquierdo G, et al. **J Cardiovasc Surg (Torino)** Spec No:472–6, 1973

Venacavography, corticosteroids and surgery in the management of idiopathic retroperitoneal fibrosis. Kearney GP, et al. **J Urol** 115(1):32–5, Jan 76

Inferior vena cava. Roentgen appearance in tricuspid insufficiency. Voges V, et al. **NY State J Med** 75(10):1777–9, Sep 75

[Portal venous return in cases of obstruction of the inferior vena cava. Phlebographic study of five cases (author's transl)] Weill F, et al. **J Radiol Electrol Med Nucl** 56(4):331–7, Apr 75 (Eng. Abstr.) **(Fre)**

[Letter: New method of opacification of the inferior vena cava] Mathieu P, et al. **Nouv Presse Med** 5(21):1361, 22 May 76 **(Fre)**

SURGERY

Thrombosis at the site of interruption of the vena cava: a consideration in prophylactic treatment of pulmonary embolism. Wray CH, et al. **Am Surg** 41(11):714–25, Nov 75

The Mobin–Uddin umbrella filter in the management of proven and threatened pulmonary embolism. Dupont PA. **Ann R Coll Surg Engl** 58(4):318–21, Jul 76

Mesocaval 'H' graft using antogenous vein graft. Nay HR, et al. **Ann Surg** 183(2):114–9, Feb 76

Incomplete membranous obstruction of the inferior vena cava. Hemodynamic measurements and correction by balloon membranotomy and surgical resection. Horisawa M, et al. **Arch Surg** 111(5):599–602, May 76

Inferior vena cava interruption: a new indication? Pollack EW, et al. **Arch Surg** 110(8):1008–11, Aug 75

The sequelae inferior vena caval interruption. Coupland GA, et al. **Aust NZ J Surg** 45(3):245–51, Aug 75

Development of a valve for internal drainage of ascites into the venous system. Hashmonai M, et al. **Biomed Eng** 11(5):173–4, 179, May 76

Grafting of the major veins: the value of anti–thrombotic drugs to maintain patency. Thomas JM, et al. **Br J Surg** 63(3):189–95, Mar 76

Mesenterico–caval shunt with jugular vein for portal hypertension. Stipa S, et al. **Bull Soc Int Chir** 34(3):179–82, 1975

Concomitant prophylactic inferior vena caval clipping. Rao G, et al. **Int Surg** 61(3):147–50, Mar 76

Surgical treatment of inferior vena cava obstruction producing a Budd–Chiari syndrome. Eguchi S, et al. **J Cardiovasc Surg (Torino)** Spec No:462–6, 1973

The effectiveness of vena caval ligation in preventing emboli from small thrombi of varying consistency. Moore WS, et al. **J Cardiovasc Surg (Torino)** Spec No:523–8, 1973

Use of the vena caval 'umbrella' in the prevention of recurrent pulmonary embolization in the critically ill patient. Schwartz AM, et al. **J Cardiovasc Surg (Torino)** Spec No:597–9, 1973

Intraluminal filter in the inferior vena cava. Vogel SG, et al. **J Cardiovasc Surg (Torino)** Spec No:634–7, 1973

Immediate and long–term results of superior mesenteric vein–inferior vena cava shunt for portal hypertension in children. Auvert J, et al. **J Pediatr Surg** 10(6):901–8, Dec 75

Embolization of caval umbrella. Discussion and report of successful removal from the right ventricle. Isch JH, et al. **J Thorac Cardiovasc Surg** 72(2):256–8, AUG 76

Editorial: Interruption of the inferior vena cava. **Lancet** 1(7949):25, 3 Jan 76

Letter: Interruption of inferior vena cava. Dupont PA. **Lancet** 1(7951):150, 17 Jan 76

Letter: Interruption of the inferior vena cava. Gardner AM, et al. **Lancet** 1(7952):193, 24 Jan 76

Advisability of surgical treatment for chronic membranous obstruction of the hepatic portion of the inferior vena cava. Jortner R, et al. **Pahlavi Med J** 7(1):106–18, Jan 76

Shunt operations for portal hypertension. Hermann RE. **Surg Clin North Am** 55(5):1073–87, Oct 75

Management of cannulation for cardiopulmonary bypass in patients with adult–acquired heart disease. Taylor PC, et al. **Surg Clin North Am** 55(5):1205–15, Oct 75

Results of left gastric vena caval shunt for esophageal varices: Analysis of one hundred clinical cases. Inokuchi K, et al. **Surgery** 78(5):628–36, Nov 75

[Partial occlusion of the inferior vena cava, by a clip] Gardner AM. **Ann Chir** 30(3):248, Mar 76 **(Fre)**

[Portal obstruction without change in the hepatic parenchyma. 2 cases of mesentericcaval shunt. Late result. Recent technic] Goux J, et al. **Chirurgie** 101(1):35–41, 15–29 Jan 75 **(Fre)**

[Hemorrhagic Cruveilhier–Baumgarten cirrhosis treated by omphalo–caval anastomosis. 12 year results] Vaillant J, et al. **J Chir (Paris)** 108(5):441–8, Nov 74 (Eng. Abstr.) **(Fre)**

[Angiographic evaluation of the portal system after mesenterico–caval anastomosis] Passariello R, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:533–5, 1975 **(Fre)**

[Mesenteric–caval anastomosis using an interposed dacron graft. Apropos of 5 cases] Huguet C, et al. **Nouv Presse Med** 4(20):1481–4, 17 May 75 (Eng. Abstr.) **(Fre)**

[Prevention of complications of ligation of the inferior vena cava in recent emboligenic phlebitides] Gruffaz J. **Phlebologie** 28(1):55–8, Jan–Mar 75 (Eng. Abstr.) **(Fre)**

[Various methods of anastomosis with the use of splenic vein in the surgery of portal vein hypertension] Bürger K, et al. **Zentralbl Chir** 100(21):1316–23, 1975 **(Ger)**

[Resection of the vena cava for renal cell carcinoma: experimental studies on renoportal venous anastomosis (author's transl)] Masuda F, et al. **Jpn J Urol** 66(6):333–40, Jun 75 (Eng. Abstr.) **(Jpn)**

[Case of pulmonary embolism cured by emergency inferior caval vein ligation and streptokinase administration] Rawa M, et al. **Pol Przegl Chir** 48(7):943–5, Jul 76 (Eng. Abstr.) **(Pol)**

[Prevention of pulmonary emboli by way of ligating the inferior vena cava] Zieliński S. **Pol Przegl Chir** 48(2):183–7, Feb 76 **(Pol)**

[Remote results of inferior vena cava ligation in the treatment of multiple pulmonary embolisms] Gacyk W, et al. **Pol Tyg Lek** 30(39):1609–10, 29 Sep 75 (Eng. Abstr.) **(Pol)**

[Long–term drainage of vena cava inferior by means of silicified catheters] Frantsev VI, et al. **Eksp Khir Anesteziol** (5):15–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Porto–caval transposition of the vessels] Kogan AS, et al. **Eksp Khir Anesteziol** (3):28–33, May–Jun 75 (Eng. Abstr.) **(Rus)**

VENA CAVA, SUPERIOR

Systemic to pulmonary venous communication in the superior vena caval syndrome. Wilson ES. **Am J Roentgenol** 127(2):247–9, Aug 76

Superior vena caval and bronchial obstruction during anesthesia. Tonnesen AS, et al. **Anesthesiology** 45(1):91–2, Jul 76

Superior vena cava syndrome caused by bronchogenic cyst. Rammohan G, et al. **Chest** 68(4):599–601, Oct 75

Letter: Asymptomatic superior vena cava obstruction. Kumar B, et al. **J Nucl Med** 17(9):853–4, Sep 76

Superior vena cava syndrome. Clinical management. Goodman R. **JAMA** 231(1):58–61, 6 Jan 75

Superior vena caval obstruction due to small–cell anaplastic lung carcinoma. Response to chemotherapy. Kane RC, et al. **JAMA** 235(16):1717–8, 19 Apr 76

Letter: Superior vena cava syndrome. Nitschke R, et al. **JAMA** 233(13):1354–5, 29 Sep 75

Thrombosis after central venous cannulation. Ahmed N. **Med J Aust** 1(8):217–20, 21 Feb 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 33–1976. **N Engl J Med** 295(7):381–8, 12 Aug 76

Central venous thrombosis following central venous catheterisation and parenteral nutrition: case report. Havill JH. **NZ Med J** 81(539):420–2, 14 May 75

Experience in the use of central venous cannulation. Neale TJ. **NZ Med J** 83(555):13–4, 14 Jan 76

[Aneurysm of the superior vena cava, Apropos of 1 case] Vanetti A, et al. **Arch Mal Coeur** 68(7):765–73, Jul 75 (Eng. Abstr.) **(Fre)**

[Ventricular fibrillation as complication of the application of a cava–catheter (author's transl)] Buchwald KP. **Anaesthesist** 25(3):110–1, Mar 76 (Eng. Abstr.) **(Ger)**

[Control of the position of cava catheters by intraatrial ECG (author's transl)] Hufnagl HD. **Anaesthesist** 25(3):106–9, Mar 76 (Eng. Abstr.) **(Ger)**

[Idiopathic thrombosis of the superior vena cava (author's transl)] Ochs H, et al. **Dtsch Med Wochenschr** 101(32):1193–6, 6 Aug 76 (Eng. Abstr.) **(Ger)**

[The superior vena cava syndrome in idiopathic, fibrosing mediastinitis(author's transl)] Günther E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):434–8, May 75 (Eng. Abstr.) **(Ger)**

[Percutaneous catheterization of the superior vena cava system, using the large veins at the base of the neck] Bacă D, et al. **Rev Chir [Chir]** 25(2):153–60, Mar–Apr 76 (Eng. Abstr.) **(Rum)**

[Thromboses of the superior vena cava system following its catheterization in children] Erivantsev NA, et al. **Eksp Khir Anesteziol** (2):81–2, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Obstructions of venae cavae (superior and inferior). Treatment with fibrinolytic agents (Streptase)] Zucchelli AL, et al. **Angiologia** 27(6):289–97, Nov–Dec 75 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Persistent left superior vena cava demonstrated by radionuclide angiocardiography: case report. Stevens JS, et al. **J Nucl Med** 16(6):469, Jun 75

A new surgical approach for correction of partial anomalous pulmonary venous drainage into the superior vena cava. Chartrand C, et al. **J Thorac Cardiovasc Surg** 71(1):29–34, Jan 76

Anomalous systemic venous connection. Surgical considerations. de Leval MR, et al. **Mayo Clin Proc** 50(10):599–610, Oct 75

[Thymic and parathyroid agenesia (DiGeorge's syndrome). Apropos of a case with abnormal vena caval return] Nezelof C, et al. **Arch Fr Pediatr** 32(2):161–76, Feb 75 (Eng. Abstr.) **(Fre)**

[Fenestration of the superior vena cava, rare form of abnormal pulmonary venous return without interauricular communication] Sarkozy K. **Arch Mal Coeur** 68(5):555–8, May 75 (Eng. Abstr.) **(Fre)**

[Isolated ectasia of the superior vena cava. Concerning one case (author's transl)] Metges PJ, et al. **J Radiol Electrol Med Nucl** 57(4):355–8, Apr 76 (Eng. Abstr.) **(Fre)**

[Left persisting, singular superior vena cava and pacemaker electrode implantation by right cephalic vein] Irlich G, et al. **Z Kardiol** 65(6):575–82, Jun 76 (Eng. Abstr.) **(Ger)**

[A case of coronary arteriovenous fistula] Gatto E, et al. **Boll Soc Ital Cardiol** 20(1):19–25, 1975 (Eng. Abstr.) **(Ita)**

[Proceedings: A case of a single ventricle associated with dextrocardia, transposition of great vessels, pulmonary stenosis and persistent right superior vena cava] Inoue T, et al. **Jpn Circ J** 39(7):850, Jul 75 **(Jpn)**

[Atresia of the right atrial coronary sinus with the persistent left superior vena cava diagnosed by coronary angiography (author's transl)] Fudemoto Y, et al. **Respir Circ (Tokyo)** 24(7):625–30, Jul 76 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

[The longitudinal increase of the internal jugular vein and the upper v. cava as measured between the mastoid to the heart: parameter for timing the re–operation after ventriculocardiostomy (author's transl)] Müke R, et al. **Monatsschr Kinderheilkd** 124(4):157–61, Apr 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Experience in the treatment of malignant obstructions of the vena cava superior by means of chemotherapeutic decompression and subsequent irradiation] Kolarić K, et al. **Strahlentherapie** 150(5):521–5, Nov 75 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radionuclide phlebography of the superior vena cava.

Papadimitriou J, et al. **Bull Soc Int Chir** 34(1):69–73, 1975

A single moment roentgen contrast study of superior cava and its tributaries. Shumakov AG, et al. **J Surg Oncol** 7(6):447–56, 1975

SURGERY

Pulmonary blood flow measurements following cava–pulmonary anastomosis. Robicsek F, et al. **Coll Works Cardiopulm Dis** 19:35–41, Apr 73

Nonoperative management of late failure of a Glenn anastomosis. Transvenous wafer occlusion of patent superior vena cava—right atrial junction. Bailey LL, et al. **J Thorac Cardiovasc Surg** 71(3):371–5, Mar 76

Leiomyosarcoma of the superior vena cava. A first case with resection. Davis GL, et al. **J Thorac Cardiovasc Surg** 72(3):408–12, Sep 76

Reconstruction of superior vena cava–right atrial continuity and 'anatomic' repair of transposition of great arteries with ventricular septal defect. Marcelletti C, et al. **Mayo Clin Proc** 51(3):163–6, Mar 76

Rubidium redistribution after suprarenal caval ligation in the rat. Olin T, et al. **Scand J Urol Nephrol** 9(1):71–4, 1975

Management of cannulation for cardiopulmonary bypass in patients with adult-acquired heart disease. Taylor PC, et al. **Surg Clin North Am** 55(5):1205–15, Oct 75

[Complete correction of Fallot's tetralogy after cavo–pulmonary anastomosis. With reference to two cases of complete repair with suppression of the anastomosis and reimplantation of the right pulmonary artery (author's transl)] Soyer R, et al. **Ann Chir Thorac Cardiovasc** 14(3):211–9, Jul 75 (Eng. Abstr.) **(Fre)**

[Extrathoracic bypass surgery in transfered veins of the extremities in the vena cava superior syndrome] Jonecko A. **Zentralbl Chir** 100(21):1302–5, 1975 **(Ger)**

[Surgical treatment in a case of malignant thymoma extending from the left brachiocephalic vein to the superior vena cava and the right atrium] Suzuki Y, et al. **Jpn J Thorac Surg** 29(5):357–61, 1976 (Eng. Abstr.) **(Jpn)**

[Hemodynamic evaluation of the operation of caval–pulmonary anastomosis at remote follow-up periods] Volynskiĭ IuD, et al. **Kardiologiia** 16(5):133–4, MAY 76 **(Rus)**

VENAE CAVAE

see related

PORTACAVAL ANASTOMOSIS

Gastric secretion in rats after infusion of stimulants into the abdominal vena cava and aorta. Kowalewski K. **Digestion** 13(5):320–3, 1975

Venous infarction of the testis owing to vena caval thrombosis. Waldbaum RS, et al. **J Urol** 116(2):259–60, Aug 76

[Catheterization of the vena cava and determination of plasma noradrenaline and plasma adrenaline in the localization of pheochromocytoma] Kornerup HJ, et al. **Ugeskr Laeger** 138(28):1699–701, 5 Jul 76 (Eng. Abstr.) **(Dan)**

[Vena cava catheters in pediatric intensive care. Clinical data and roentgenological findings] Baumann W, et al. **Anaesthesiol Intensivmed Prax** 10(1):109–20, 1975 **(Ger)**

[Letter: Drug administration using vena–cava catheter] Lang K. **Dtsch Med Wochenschr** 101(12):469–70, 19 Mar 76 **(Ger)**

[Indication and installation technics for vena cava catheterization] Fassolt A. **Ther Ggw** 115(4):570–93, Apr 76 **(Ger)**

[Problems of the vena–cava catheter] Teichmann W. **Zentralbl Chir** 101(8):482–4, 1976 **(Ger)**

[Catheterization of the venae cavae in burn patients] Revskoĭ AK, et al. **Voen Med Zh** (6):68–9, Jun 76 **(Rus)**

DRUG EFFECTS

[Effect of dexamethasone on venous return during hemorrhagic shock] Fukuda Y, et al. **Jpn J Anesthesiol** 24(12):1243–53, Nov 75 (Eng. Abstr.) **(Jpn)**

INJURIES

Massive venous injuries associated with penetrating wounds of the liver. Burns RP, et al. **J Trauma** 15(9):757–65, Sep 75

[2 successfully treated cava injuries] Rabe F, et al. **Z Urol Nephrol** 68(2):113–6, Feb 75 **(Ger)**

PHYSIOLOGY

[Application of thermal dilution method – with special reference to venous return] Fukuta Y, et al. **Jpn J Anesthesiol** 24(10):988–95, Oct 75 (Eng. Abstr.) **(Jpn)**

[Pressure–volume relationship. Relationship between the pressure and circulating blood volume of the venae cavae] Hori M, et al. **Jpn J Clin Med** 33(7):2312–21, 10 Jul 75 **(Jpn)**

SURGERY

The lymphatic drainage of the peritoneal cavity with reference to the treatment of ascites by lympho–venous shunt. Szabó G. **Experientia** 32(7):826–7, 1976 (22 ref.)

The effects of portacaval shunting and portacaval transposition on serun IgG levels in the rat. Benjamin IS, et al. **Gastroenterology** 70(5 PT.1):661–4, May 76

Surgical anatomy of the mesocaval shunt. Holyoke EA, et al. **Surgery** 78(4):526–30, Oct 75

[Method of connecting the second heart onto the abdominal aorta and the posterior vena cava of a rabbit (cat)] Nikulin VI. **Eksp Khir Anesteziol** (2):14–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[A method of prolonged catheterization of the caval vein in rabbits] Uzhva MM, et al. **Fiziol Zh** 20(6):846–7, Nov–Dec 74 **(Ukr)**

TRANSPLANTATION

Susceptibility of autogenous venous grafts to dietart–induced atherosclerosis. Wagner WD, et al. **Surg Forum** 26:280–3, 1975

ULTRASTRUCTURE

[Ontogenesis of the great–vessel wall in the rabbit. An electron microscopy study] Vankov V, et al. **Verh Anat Ges** 69:163–70, 1975 (Eng. Abstr.) **(Ger)**

VENEREAL DISEASES

Venereal urethritis. Neumann HH. **Am Fam Physician** 12(3):145–8, Sep 75

Sexually transmissible diseases. Evans TN. **Am J Obstet Gynecol** (1):116–33, 1 May 76

Venereal disease. Interviewing and teaching by computer. Van Cura LJ, et al. **Am J Public Health** 65(11):1159–64, Nov 75

Role of the practitioner, public health officer, dermatologist, and other specialists in the teaching, investigation, and treatment of STD. The situation in the U.S.A. **Br J Vener Dis** 52(2):105–6, Apr 76

Education of physicians in the sexually transmitted diseases in the United Kingdom. Catterall RD. **Br J Vener Dis** 52(2):97–9, Apr 76

Role of the practitioner, public health officer, dermatologist, and other specialists in the teaching, investigation and treatment of STD. The situation in the Common Market countries. Delune H. **Br J Vener Dis** 52(2):107–9, Apr 76

Letter: The future of venereology. King AJ. **Br J Vener Dis** 52(3):208, Jun 76

The situation in Scandinavia. Schmidt H. **Br J Vener Dis** 52(2):113–5, Apr 76

The situation in Eastern Europe. Towpik J. **Br J Vener Dis** 52(2):110–2, Apr 76

Human cervical cancer as a venereal disease. Kessler II. **Cancer Res** 36(2 pt 2):783–91, Feb 76 (105 ref.)

The service for sexually transmitted diseases in the United Kingdom. Catterall RD, et al. **J Am Vener Dis Assoc** 2(1):8–12, Sep 75

Editorial comment: the National Commission on Venereal Disease. Kampmeier RH. **J Am Vener Dis Assoc** 1(3):99–104, Mar 75

Chlamydial pharyngitis? Schachter J, et al. **J Am Vener Dis Assoc** 2(1):12, Sep 75

A venereal disease knowledge evaluation instrument. Schmidt NG, et al. **J Am Vener Dis Assoc** 2(2):29–32, Dec 75

Anglo–American Conference on Sexually Transmitted Diseases. Munford RS. **J Infect Dis** 133(5):576–7, May 76

Nothing to hide. van Parijs LG. **J Psychiatr Nurs** 14(6):33–4–39, Jun 76

Venereal disease in adolescents. Stern MS, et al. **Med Clin North Am** 59(6):1395–1405, Nov 75

Venereal amebiasis. Kean BH. **NY State J Med** 76(6):930–1, Jun 76

Sexually transmissible diseases. McCormack WM. **Postgrad Med** 58(3):179–86, Sep 75

VD hotline: an evaluation. Bryant NH, et al. **Public Health Rep** 91(3):231–5, May–Jun 76

The VD kaleidoscope. Ackerman HL. **S Afr Med J** 50(7):195–6, 14 Feb 76

[Rare venereal diseases] Harnack K. **Dermatol Monatsschr** 161(11):881–91, Nov 75 **(Ger)**

[Letter: Social and hygienic aspects of sexually transmitted diseases (STD), the necessity for better understanding. A report on 'Technical Discussions' to histopic at the occasion of the 28th International Meeting on Health, WHO, Geneva, May 16 and 17, 1975] Storck H. **Hautarzt** 27(1):40–1, Jan 76 **(Ger)**

[Venereal transmission of hepatitis B?] Frösner GG. **Hippokrates** 46(2):259–62, Jun 75 **(Ger)**

[Psycho–sociologic aspects of venereal diseases. I. Methodology] Kelus J. **Przegl Dermatol** 63(3):295–300, May–Jun 76 (Eng. Abstr.) **(Pol)**

[Experience of work of the Department of Skin and Venereal Diseases of the I. M. Sechenova I Moscow Medical Institute with students of the faculty of postgraduate training for teachers at medical institutes] Babaiants RS, et al. **Vestn Dermatol Venerol** (8):55–8, Aug 75 **(Rus)**

[Method of carrying out practical work in dermato–venereology with 4th year students] Gokinaeva LI. **Vestn Dermatol Venerol** (11):43–9, Nov 75 **(Rus)**

[Integration of teaching of dermato–venereology in the therapeutic departments of medical schools] Gol'dshtein LM, et al. **Vestn Dermatol Venerol** (3):45–50, Mar 76 (Eng. Abstr.) **(Rus)**

[Trends in development and tasks of information service in dermatology] Mordovtsev VN, et al. **Vestn Dermatol Venerol** (6):44–8, Jun 75 **(Rus)**

[Main results of studies of the Academy of Medical Sciences of USSR on the problem of scientific basis of dermatology and venereology in 1973] Turanov NM, et al. **Vestn Dermatol Venerol** (7):3–7, Jul 75 **(Rus)**

[Problems of scientific study in the area of dermatology and venereology in 1976–1980] Turanov NM, et al. **Vestn Dermatol Venerol** (2):3–8, Feb 76 **(Rus)**

BLOOD

Blood ethanol concentrations in patients attending special clinics in Glasgow. Schofield CB, et al. **Br J Vener Dis** 51(5):340–4, Oct 75

COMPLICATIONS

[Psychologic findings in the venereal patients of the agglomeration district Halle] Rudolf G. **Dermatol Monatsschr** 162(3):215–20, Mar 76 (Eng. Abstr.) **(Ger)**

[Early identification of cancer through vaginal cytology in a venereal disease clinic] Rogosaroff–Fricke R, et al. **Fortschr Med** 93(28):1332–6, 9 Oct 75 (Eng. Abstr.) **(Ger)**

[Seroepidemiological studies related to the association of genital herpes to cervical cancer (author's transl)] Koenig UD, et al. **Geburtshilfe Frauenheilkd** 35(12):909–13, Dec 75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Letter: Venereal disease: diagnosis and treatment. Dans PE. **Ann Intern Med** 84(4):499, Apr 76

Herpes progenitalis and condyloma acuminata. Childers RC. **J Fla Med Assoc** 63(1):78–80, Jan 76

Letter: Diganostic tests for sexually transmitted disease. Dans PR. **JAMA** 235(24):2583, 14 Jun 76

Efficacy of selected diagnostic tests for sexually transmitted diseases. Rothenberg RB, et al. **JAMA** 235(1):49–51, 5 Jan 76

[Some problems of expertise in venereal disease infection] Semenov BM. **Sud Med Ekspert** 18(4):45–8, Oct–Dec 75 **(Rus)**

DRUG THERAPY

A few tips in treating venereal disease. Boren SD. **Am Fam Physician** 14(3):105–6, Sep 76

ETIOLOGY

Letter: Sexual abuse and herpetic genital infection in children. Jaffe AC. **J Pediatr** 89(2):338, Aug 76

Herpesvirus genitalis: a nursing perspective. Neeson JD. **Nurs Clin North Am** 10(3):599–607, Sep 75

HISTORY

Dr. Gordon Bates: a personal war against VD. Beaton–Mamak M. **Dimens Health Serv** 52(12):16, Dec 75

An historical vignette: from house of infection to hospital for control of venereal disease. **J Am Vener Dis Assoc** 2(1):31–2, Sep 75

Allied against sin: American and British responses to venereal disease in World War I. Beardsley EH. **Med Hist** 20(2):189–202, Apr 76

[50th anniversary of the 'Journal of Dermatology and Venereology' (1924–1974)] Sheklakov ND. **Vestn Dermatol Venerol** (1):5–12, Jan 74 **(Rus)**

MICROBIOLOGY

Isolation of Chlamydia from women attending a clinic for sexually transmitted disease. Burns DC, et al. **Br J Vener Dis** 51(5):314–8, Oct 75

Group B streptococci in venereal disease clinic patients. Wallin J, et al. **Br J Vener Dis** 51(6):401–4, Dec 75

Aspects on the indigenous flora and established and probable pathogens of the genital tract, with special regard to bacteria and their L–phases. pp. 29–37. Danielsson D. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

An epidemiological survey of N. gonorrhoeae, Trichomonas vaginalis and Candida albicans in female venereological patients. pp. 95–6. Eriksson G, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Viral infections of the urogenital tract. pp. 63–8. Nahmias AJ, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Mixed microbial aetiology in sexually transmitted diseases. pp. 89–94. Wallin J, et al. **In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.**

Herpes genitalis. Packin GS. **J Am Osteopath Assoc** 75(3):324–9, Nov 75

NURSING

The nurse in a 'special' clinic. Schofield EM. **Nurs Times** 72(27):1059–60, 8 Jul 76

OCCURRENCE

Veneral infections in three ethnic groups in Sacramento. Darrow WW. **Am J Public Health** 66(5):446–50, May 76

Reappraisal of the problem of British mariners and sexually

transmitted infection. Cross AB, et al. **Br J Vener Dis** 52(2):71–7, Apr 76

Social background and diagnosis. Survey of Male Clinic Registrations. Heywood CP, et al. **Br J Vener Dis** 51(6):405–9, Dec 75

Letter: Venereology in a psychiatric hospital Maleville J, et al. **Br J Vener Dis** 52(3):208, Jun 76

Importance of the so-called 'other' sexually-transmitted diseases. Willcox RR. **Br J Vener Dis** 51(4):221–6, Aug 75 (82 ref.)

Genital infections in females attending general practice. Nisbet WH. **Health Bull (Edinb)** 34(2):72–6, Mar 76

The situation of gonococcal and non-gonococcal infections in the United Kingdom. pp. 5–13. Catterall RD.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

The situation of gonococcal and non-gonococcal infections in Sweden and other Scandinavian countries. pp. 25–8. Juhlin L.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Current view of the epidemiology of sexually transmitted diseases in the United States. pp. 15–24. Wiesner PJ, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.

Social background of 171 women attending a femal venereal disease clinic in Brisbane. Smithurst BA, et al. **Med J Aust** 1(11):339–43, 15 Mar 75

Editorial: Sexually transmitted diseases increase. Smith A. **Med Times** 103(9):17–23, Sep 75

Venereal disease in Massachusetts — changing patterns. **N Engl J Med** 293(22):1150–1, 27 Nov 75

Some aspects of sexually transmitted diseases today. Dunlop EM. **Proc R Soc Med** 68(4):234–6, Apr 75

[Experience with registering, dispensation, and notification of venereal diseases in the West Bohemian region using the ZPA 600 computer. I. Registration of gonorrhoea patients (author's transl)] Resl V Jr, et al. **Cesk Dermatol** 51(3):179–87, Jun 76 (Eng. Abstr.) **(Cze)**

[Sociological interrogation of patients in the consultation centers for venereal diseases] Bruns H. **Dermatol Monatsschr** 162(3):221–4, Mar 76 (Eng. Abstr.) **(Ger)**

[Venereal diseases 1975] **Dtsch Med Wochenschr** 101(35):1302, 27 Aug 76 **(Ger)**

[Evolution of veneral diseases in metropolitan Portugal] Da Cruz Sobral F. **Med Cutan Iber Lat Am** (2):127–30, 1974 (Eng. Abstr.) **(Por)**

[Venereal diseases in Central America and Panama] Romero A, et al. **Bol Of Sanit Panam** 80(2):151–9, Feb 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Venereal diseases of the oral cavity. Fiumara NJ. **J Oral Med** 31(2):36–40, 55, Apr–Jun 76

[Diagnosis and treatment of transmissible sarcoma] Osipov NE, et al. **Veterinariia** (7):97–8, Jul 76 **(Rus)**

PREVENTION & CONTROL

VD control. Pinto JC. **Ariz Med** 33(7):582–5, Jul 76

Role of the medical auxiliary in the control of sexually transmitted disease in a developing country. Arya OP, et al. **Br J Vener Dis** 52(2):116–21, Apr 76

The control of venereal disease. Harris JW. **Br J Vener Dis** 51(4):285–8, Aug 75 (31 ref.)

Education at school about sexually transmitted diseases. Hunger KF. **Br J Vener Dis** 52(2):100–1, Apr 76

The medical manpower situation in the United States in relation to the sexually transmitted diseases. Webster B. **Br J Vener Dis** 52(2):94–6, Apr 76

VD education in developing countries. A comparison with developed countries. Willcox RR. **Br J Vener Dis** 52(2):88–93, Apr 76

Preventive measures against venereal diseases. pp. 642–6. Olsen GA.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

A comparison study of peer teaching and traditional instruction in venereal disease education. Jordheim A. **J Am Coll Health Assoc** 24(5):286–9, Jun 76

Letter: Prevention and treatment of venereal disease. Davis DM. **J Am Vener Dis Assoc** 1(3):125–6, Mar 75

Editorial: A host's reaction to the traveling seminar. Fiumara N. **J Am Vener Dis Assoc** 1(3):105–6, Mar 75

Letter: Section reports of the International Traveling Seminar in the United States. Commentaries by American reviewers. Section 3. Legislation and finance. Hinman AR. **J Am Vener Dis Assoc** 2(4):39–41, Jun 76

The prophylaxis of nonvenereal conditions: with its applications to venereology. Willcox RR. **J Am Vener Dis Assoc** 1(3):113–7, Mar 75

Venereal disease prevention and a selected group of college students. Yarber WL, et al. **J Am Vener Dis Assoc** 2(2):17–24, Dec 75

Arkansas alliance for eradication of venereal disease. Hopkins CA. **J Arkansas Med Soc** 72(5):213–4, Oct 75

Project Teen Concern: an educational approach to the prevention of venereal disease and premature parenthood. Haskin J, et al. **J Sch Health** 46(4):231–4, Apr 76

Letter: Venereal disease prophylaxis. Braff EH. **JAMA** 235(2):143–4, 12 Jan 76

Can we control V.D.? A new approach to the old problem. Towpik J. **Pol Med Sci Hist Bull** 15(1):57–61, Jan–Feb 75

Approaches to the problem of venereal disease prevention. Darrow WW. **Prev Med** 5(1):165–75, Mar 76

[Level of knowledge of the population of rural regions on venereal diseases and their prevention] Chernookif GP. **Vestn Dermatol Venerol** (11):52–3, Nov 75 **(Rus)**

THERAPY

Alberta VD task force recommendations include higher medical fees. Imlach A. **Can Med Assoc J** 115(3):276–7, 7 Aug 76

Personal comments on the management of sexually transmitted diseases in Britain. Frisch AW. **J Am Vener Dis Assoc** 2(1):23–7, Sep 75

Editorial: The special clinics for venereal disease in the United Kingdom. Kampmeier RH. **J Am Vener Dis Assoc** 2(1):5–7, Sep 75

Treatment of minors for venereal disease. Stone SV Jr. **Tex Med** 71(12):96–7, Dec 75

[Our dermato-venereology in the last 30 years] Stáva Z. **Cas Lek Cesk** 114(45):1381–3, 7 Nov 75 **(Cze)**

TRANSMISSION

Exchange of contact information between East Germany and other countries about persons infected with VD or at risk of infection. Elste G. **Br J Vener Dis** 52(2):82–3, Apr 76

A 10-year study of homosexually transmitted infection. Fluker JL. **Br J Vener Dis** 52(3):155–60, Jun 76

Venereal disease among immigrant workers in Vienna. Littomericzky M, et al. **Br J Vener Dis** 52(2):78–81, Apr 76

Update in sexually transmitted diseases. Judson FN. **J Am Med Wom Assoc** 31(1):11–3, 16–9, Jan 76 (33 ref.)

Genital herpes simplex virus type 1 infection--variability in modes of spread. Dolin R, et al. **J Am Vener Dis Assoc** 2(2):13–6, Dec 75

Editorial: sexually-transmitted diseases from the pediatrician's viewpoint. Nahmias AJ, et al. **J Am Vener Dis Assoc** 2(2):5–8, Dec 75

Sexually transmitted diseases and the mobility explosion. Catterall RD. **Postgrad Med J** 51(602):838–42, Dec 75

Some aspects of sexually transmitted diseases today. Dunlop EM. **Proc R Soc Med** 68(4):234–6, Apr 75

Sexually transmitted disease and the gynaecologist. Marshall J. **Proc R Soc Med** 68(4):233–4, Apr 75

VETERINARY

Studies on veneral transmission of Campylobacter fetus by immunised bulls. Clark BL, et al. **Aust Vet J** 51(11):531–2, Nov 75

Coital exanthema in stallions. Pascoe RR, et al. **J Reprod Fertil [Suppl]** (23):.47–50, Oct 75

The chromosomes of an extragenitally located transmissible veneral tumour in a dog. Layo Idowu A. **J Small Anim Pract** 16(6):393–8, Jun 75

Infectious bovine rhinotracheitis virus: studies on the venereal carrier status in range cattle. Dennett DP, et al. **Res Vet Sci** 20(1):77–83, Jan 76

Transmissible venereal tumor in a dog. White GA. **Vet Med Small Anim Clin** 71(3):299–301, Mar 76

[Bacteriological results of reproduction-hygiene monitoring of thoroughbred mares in Hessen)] Schliesser T, et al. **Berl Munch Tieraerztl Wochenschr** 89(5):93–5, 1 Mar 76 (Eng. Abstr.) **(Ger)**

VENOGRAPHY see **PHLEBOGRAPHY**

VENOMS

see related
ANTIVENINS

Diagnosis of allergy to stinging insects by skin testing with Hymenoptera venoms. Hunt KJ, et al. **Ann Intern Med** 85(1):56–9, Jul 76

Poisonous and venomous marine animals and their toxins. Russell FE. **Ann NY Acad Sci** 245:57–64, 24 Jan 75

Membrane structure and function. Mechanism of hemolysis induced by nematocyst venom: roles of phospholipase A and direct lytic factor. Hessinger DA, et al. **Arch Biochem Biophys** 173(2):603–13, Apr 76

Effect of melittin on thermotropic lipid state transitions in phosphatidylcholine liposomes. Verma SP, et al. **Biochim Biophys Acta** 426(4):616–23, 5 Apr 76

Lysolecithin inhibits an action of bee venom phospholipase A2 in erythrocyte membrane. Lawrence AJ. **FEBS Lett** 58(1):186–9, 15 Oct 75

Effect of melitin and melittin fragments on the thermotropic phase transition of dipalmitoyllecithin and on the amount of lipid-bound water. Mollay C. **FEBS Lett** 64(1):65–8, 15 Apr 76

The venom-squirting ability of Parabuthus scorpions (arachnida: buthidae). Newlands G. **S Afr J Med Sci** 39(4):175–8, 1974

Nomenclature of naturally occurring peptides. Banks BE, et al. **Toxicon** 13(5):307–9, Nov 75

Partial characterization of the low molecular weight fractions of the extract of the venom apparatus of the brown recluse spider and of its hemolymph. Geren CR, et al. **Toxicon** 13(4):233–8, Aug 75

Aging in the venom glands of queen and worker honey bees (Apis mellifera L.): some morphological and chemical observations. Owen MD, et al. **Toxicon** 14(1):1–5, 1976

[Preliminary note. Experimental obtainment of the anatomo-pathological pattern of acute hemorrhagic pancreatitis in the dog by inoculation of Tityus serrulatus venom] Machado JC, et al. **Mem Inst Butantan** 38:159–62, 1974 **(Por)**

[Sympathomimetic effects of Lactrodectus poison] Dagrosa EE, et al. **Rev Soc Argent Biol** 48–49(1–8):16–23, Apr 72–Nov 73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Oral administration of novocaine solution for treatment of allergic complications of apitherapy] Mezrina OV. **Vrach Delo** (7):125–7, Jul 75 **(Rus)**

[Allergic reaction in the pharynx to bee venom] Khmel'nik VM. **Zh Ushn Nos Gorl Bolezn** (3):97, May–Jun 75 **(Rus)**

ANALYSIS

Allergens of honey bee venom. King TP, et al. **Arch Biochem Biophys** 172(2):661–71, Feb 76

Vespulakinins: new carbohydrate-containing bradykinin derivatives. Yoshida H, et al. **Biochemistry** 15(1):61–4, 13 Jan 76

Mediators present in the nematocyst venoms of the sea nettle, sea wasp and Portuguese man-o'war. Burnett JW, et al. **Comp Biochem Physiol [C]** 51(2):153–6, 1 Aug 75

The peptide components of bee venom. Gauldie J, et al. **Eur J Biochem** 61(2):369–76, 15 Jan 76

Synthesis of apamin, a neurotoxic peptide from bee venom. van Rietschoten J, et al. **Eur J Biochem** 56(1):35–40, 1 Aug 75

Search for low-energy conformations of a neurotoxic protein by means of predictive rules, tests for hard-sphere overlaps, and energy minimization. Gabel D, et al. **Int J Pept Protein Res** 8(3):237–52, 1976

Allergy to insect stings. II. Phospholipase A: the major allergen in honeybee venom. Sobotka AK, et al. **J Allergy Clin Immunol** 57(1):29–40, Jan 76

The isolation and identification of noradrenaline and dopamine from the venom of the honey bee, Apis mellifica. Banks BE, et al. **Toxicon** 14(2):117–25, 1976

Fire ant venoms: chemotaxonomic correlations with alkaloidal compositions. MacConnell JG, et al. **Toxicon** 14(1):69–78, 1976

Lipid content of scorpion (Leiurus quinquestriatus, H and E) venom. Marie ZA, et al. **Toxicon** 14(2):93–6, 1976

Temperature stability of phospholipase A activity. I. Bee (Apis mellifera) venom phospholipase A2. Nair C, et al. **Toxicon** 14(1):35–42, 1976

Isolation of a neurotoxin with A presynaptic action from the venom of the black widow spider (Latrodectus mactans, Fabr.). Ornberg RL, et al. **Toxicon** 14(4):329–33, 1976

Proceedings: Lipids in scorpion (Leiurus quinquestriatus H and E) venom. Ibrahim SA, et al. **West Afr J Pharmacol Drug Res** 2(1):93P–94P, Dec 74

[Disc electrophoretic comparative study of the venom of several Scorpaenidae (Synanceja verrucosa, Scorpaena gibbosa, Pterois volitans, and Pterois radiata)] Cuzon G, et al. **Bull Soc Pathol Exot** 67(2):226–30, Mar–Apr 74 (Eng. Abstr.) **(Fre)**

[Basic peptides from bee venom, I: isolation, reduction and reoxidation of apamin and MCD-peptide (author's transl)] Hartter P, et al. **Hoppe Seylers Z Physiol Chem** 356(6):693–9, Jun 75 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Translation of honeybee promelittin messenger RNA. Formation of a larger product in a mammalian cell-free system. Suchanek G, et al. **Eur J Biochem** 60(1):309–15, 1 Dec 75

IMMUNOLOGY

Immunological properties of antivenins. I. Bivalent Cerastes cerastes and Cerastes vipera antivenin. Hassan F, et al. **Am J Trop Med Hyg** 24(6 Pt 1):1031–4, Nov 75

Comparison of the allergenic properties of bee venom and whole bee body extract. Light WC, et al. **Clin Allergy** 6(3):293–300, May 76

Allergy to insect sting. III. Allergenic cross-reactivity among the vespid venoms. Kern F, et al. **J Allergy Clin Immunol** 57(6):554–9, Jun 76

Studies of the antigenicity and allergenicity of phospholipase A2 of bee venom. Light WC, et al. **J Allergy Clin Immunol** 58(2):322–9, Aug 76

Immunologic comparison of phospholipases A present in Hymenoptera insect venoms. Nair BC, et al. **J Allergy Clin Immunol** 58(1 PT 1):101–9, Jul 76

Stinging insect allergy: detection and clinical significance of venom IgE antibodies. Reisman RE, et al. **J Allergy Clin Immunol** 56(6):443–9, Dec 75

Immunological studies with scorpion (Androctonus amoreuxi Aud. & Sav.) venom. Ismail M, et al. **Toxicon** 13(6):405–8, Dec 75

METABOLISM

[Histochemical determination of the apparent isoelectric point of the venom of the granulous skin glands of some amphibia] Barni S, et al. **Riv Istochim Norm Patol** 18(1–4):147, 1974 **(Ita)**

PHARMACODYNAMICS

Action of phospholipases on the cytoplasmic membrane of Escherichia coli. Stimulation by melittin Mollay C, et al. **Biochim Biophys Acta** 426(2):317–24, 5 Mar 76

Physiological effects of scorpion venom on frog gastrocnemius muscle. Venkateswarlu D, et al. **Indian J Exp Biol** 13(5):429–31, Sep 75

Imported fire ant hypersensitivity. Studies of human reactions to fire ant venom. James FK Jr, et al. **J Allergy Clin Immunol** 58(1 PT 1):110–20, Jul 76

Effect of cobra venom factor on the in vivo immune response in Galleria mellonella to Pseudomonas aeruginosa. Aston WP, et al. **J Invertebr Pathol** 27(2):171–6, Mar 76

Effect of toxin II isolated from scorpion venom on action potential and contraction of mammalian heart. Coraboeuf E, et al. **J Mol Cell Cardiol** 7(9):643–53, Sep 75

The effect of sulfhydryl reagents on the tityustoxin-induced acetylcholine release in rat brain slices. Oliveira ZE, et al. **J Neurochem** 27(1):43–6, Jul 76

Electrophysiological observations on the action of the purified scorpion venom, tityustoxin, on nerve and skeletal muscle of the rat. Warnick JE, et al. **J Pharmacol Exp Ther** 198(1):155–67, Jul 76

Discrete and discontinuous action of brown widow spider venom on the presynaptic nerve terminals of frog muscle. Castillo JD, et al. **J Physiol (Lond)** 252(2):491–508, Nov 75

Proceedings: Effect of the venom of hornet on neuromuscular junctions. Kawai J. **J Physiol Soc Jpn** 36(8–9):337, 1 Sep 74

Sensitivity of ATPase activities to fire ant venom and abdomen preparations. Koch RB, et al. **Life Sci** 17(8):1315–20, 15 Oct 75

The spurting of erythrocytes through junctions of the vascular endothelium treated with snake venom. Osaka A, et al. **Microvasc Res** 10(2):208–13, Sep 75

Viper venoms and coumarin-induced prothrombin. A comparison of several one-stage methods employing three different venoms as thromboplastins. Girolami A, et al. **Ric Clin Lab** 6(7):55–68, Jan–Mar 76

Black widow spider venom: effect of purified toxin on lipid bilayer membranes. FINKELSTEIN A, et al. **Science** 193(4257):1009–11, 10Sep 76

Some effects on muscle and nerve of crude venom from the gastropod Conus striatus. Endean R, et al. **Toxicon** 14(4):267–74, 1976

Pharmacologically active substances in venoms of the bald-faced hornet, Vespula (Dolichovespula) maculata, and the yellow jacket, Vespula (Vespula) maculifrons. Geller RG, et al. **Toxicon** 14(1):27–33, 1976

Pharmacological studies of scorpion (Androctonus amoreuxi Aud. & Sav.) venom. Ghazal A, et al. **Toxicon** 13(4):253–9, Aug 75

Effects of mellitin on the central nervous system. Ishay J, et al. **Toxicon** 13(4):277–83, Aug 75

Electrocardiographic studies with scorpion (Buthus minax, L. Koch) venom. Ismail M, et al. **Toxicon** 14(2):79–83, 1976

Bee venom phospholipase A2; effects on Drosophila larvae, HeLa cells and membranes. Lowy PH, et al. **Toxicon** 14(3):203–12, 1976

A direct acting adrenergic component of the venom of the Sydney funnel-web spider, Atrax robustus. Morgans D, et al. **Toxicon** 14(3):185–9, 1976

Effects of venom from the scorpion Heterometrus fulvipes on some enzyme systems of sheep brain. Prameelamma Y, et al. **Toxicon** 13(6):482–4, Dec 75

Antimicrobial activity of alkaloids from amphibian venoms and effects on the ultrastructure of yeast cells. Preusser HJ, et al. **Toxicon** 13(4):285–9, Aug 75

[Cardiotoxicity in rats of purified gamma toxin isolated from venom of Naja nigricollis and of toxins extracted from scorpion venom] Tazieff-Depierre F. **C R Acad Sci [D] (Paris)** 280(9):1181–4, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Effect of sodium deprivation on the isolated guinea pig ileum in a physiological medium or in the presence of scorpion venom] Tazieff-Depierre F, et al. **C R Acad Sci [D] (Paris)** 282(14):1375–8, 5 Apr 76 (Eng. Abstr.) **(Fre)**

[Effects of venom of the scorpion Androctonus mauretanious on electrocardiogram of rats] Roch-Arveiller M, et al. **C R Soc Biol (Paris)** 168(10–11–12):1234–8, 1974 (Eng. Abstr.) **(Fre)**

[Characteristics of the phlogistic action of melittin, its C-terminal fragment and some basic peptides in the rat paw (author's transl)] Formanek K, et al. **Arzneim Forsch** 25(11):1783–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Cardiotropic action of bee venom and melitten] Orlov BN, et al. **Biol Nauki** (10):39–45, 1975 **(Rus)**

THERAPEUTIC USE

Influence of spider Latrodectus tredecimguttatus poison on progressive muscular dystrophy in rat. Stern P, et al. **Arzneim Forsch** 25(5):769–71, May 75

[The effect of apamine on the inflammatory process] Ovcharov R, et al. **Eksp Med Morfol** 14(1):1–6, 1975 **(Bul)**

[Effect of apilite on the radiosensitivity of mice] Artemov NM, et al. **Radiobiologiia** 15(3):462–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

TOXICITY

Proteins toxic to arthropods in the venom of elapid snakes. Zlotkin E, et al. **J Insect Physiol** 21(9):1605–11, Sep 75

Central neurotoxicity of apamin, crotamin, phospholipase A and alpha-amanitin. Habermann E, et al. **Toxicon** 13(6):465–73, Dec 75

[In vitro activity of the venom and other components of Loxosceles laeta on human and animal erythrocytes (author transl)] Knierim F, et al. **Bol Chil Parasitol** 30(1–2):43–6, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

[Some data on the venomous apparatus of Loxosceles laeta and toxicity of its venom on diverse animal species (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 30(1–2):37–42, Jan–Jun 75 (Eng. Abstr.) **(Spa)**

VENOUS INSUFFICIENCY

[Acroangiodermatitis and acral hyperstomia (author's transl)] Miura T. **Dermatologica** 151(2):65–79, 1975 (Eng. Abstr.) **(Ger)**

[Roentgeno-functional comparisons in post-thrombotic disease of the lower limbs] Peremyshlennikov II, et al. **Vestn Khir** 114(9):46–9, Sep 75 (Eng. Abstr.) **(Rus)**

BLOOD

Proceedings: Effect of an autonomic ganglion blocking agent on plasma sodium concentrations in renal arteries and veins during sustained renal vein congestion. Fueki T, et al. **J Physiol Soc Jpn** 36(8–9):346–7, 1 Sep 74

COMPLICATIONS

Relation between postphlebitic changes in the deep veins and results of surgical treatment of venous ulcers. Burnand K, et al. **Lancet** 1(7966):936–8, 1 May 76

Point of view: prostatoanal syndrome. Puigvert A. **Urology** 6(4):530–1, Oct 75

[Letter: Chronic venous insufficiency with papillomatosis] Fischer H. **Hautarzt** 26(6):341, Jun 75 **(Ger)**

[Diagnosis and treatment of dilatation of subcutaneous veins of the lower limbs, caused by compression of the external iliac vein] Galstian SM, et al. **Vestn Khir** 115(7):65–70, Jul 75 (Eng. Abstr.) **(Rus)**

[Disorders and correction of lymph outflow in chronic venous insufficiency of the lower limbs] Zhukov BN, et al. **Vestn Khir** 116(2):89–93, Feb 76 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Ultrasonic investigation of inferior vena-caval obstruction. Taylor KJ. **Br J Radiol** 48(576):1024–6, Dec 75

[The ultrasound-Doppler-method in the angiologic diagnosis. 2. Quantitative diagnosis of venous circulation disorders] Grüntzig A. **Med Klin** 70(50):2027–30, 12 Dec 75 (7 ref.) **(Ger)**

[Diagnosis of valvular insufficiency of the femoral vein in varicose disease of the lower limbs] Konstantinova GD, et al. **Klin Khir** (7):30–4, Jun 75 (Eng. Abstr.) **(Rus)**

[Clinico-phlebographic parallels in post-thrombotic disease of the lower limbs] Peremyshlennikov II, et al. **Klin Khir** (7):26–9, Jun 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Therapeutic action of dihydroergotamine in venous insufficiency of the legs in gynecology and obstrics] Leroy JL, et al. **Lille Med** 21(4 Suppl 2):396–8, Apr 76 **(Fre)**

[Critical analysis of the use of venotonics in phlebologic practice. Apropos of 40 cases treated with dihydroergotamine] Galobart J. **Phlebologie** 28(3–4):509–16, Jul–Sep 75 **(Fre)**

[The potassium-neutral venodiuretic drug Dehydro sanol tri. Report on the experiences with a new principle for the treatment of leg disorders of venous origin] Oesterheld G. **Med Welt** 26(37):1679–82, 12 Sep 75 **(Ger)**

[Treatment by sandoven-f in patients with venous affections (author's transl)] Viviani E. **Praxis** 64(41):1320–3, 14 Oct 75 (Eng. Abstr.) **(Ger)**

[Management of venous diseases using Flavan] Feine-Haake G. **Z Allgemeinmed** 51(18):839, 30 Jun 75 **(Ger)**

[Use of electrophoresis of enzyme preparations in the rehabilitation of patients with chronic venous insufficiency of the extremities] Anan'eva KA. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):310–5, Jul–Aug 75 **(Rus)**

ETIOLOGY

Venous hypertension as a complication of arteriovenous fistula for hemodialysis. Kerstein MD, et al. **Conn Med** 40(6):371–2, Jun 76

Subcutaneous arteriovenous fistulas for dialysis with special emphasis on vascular insufficiency. Ringdén O, et al. **Scand J Urol Nephrol** 10(1):73–9, 1976

[Compression of the bifurcation of the inferior vena cava disclosing an aneurysm of the common iliac artery] Milleret P, et al. **Chirurgie** 101(7):478–82, 14–28 May 75 (Eng. Abstr.) **(Fre)**

[The superior vena cava syndrome in idiopathic, fibrosing mediastinitis(author's transl)] Günther E, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):434–8, May 75 (Eng. Abstr.) **(Ger)**

[Early showing of veins in arteriography of the lower limbs (author's transl)] Heber R. **Roentgenblaett.** 28(12):603–9, Dec 75 (Eng. Abstr.) **(Ger)**

[Paget-Schroetter syndrome caused by compression of the major brachial veins by a hematoma] Osipov SN. **Klin Khir** (12):66–7, Dec 75 **(Rus)**

[Development of venous insufficiency in the post-thrombophlebitis syndrome] Retvinskii AN, et al. **Klin Khir** (12):59–61, Dec 75 **(Rus)**

PHYSIOPATHOLOGY

The influence of venous occlusion on xenon 133 muscle clearance. Weber TR, et al. **Arch Surg** 111(2):178–80, Feb 76

Arterial and venous function in the lower leg in patients with chronic venous insufficiency. Brakkee AJ, et al. **Vasa** 4(4):385–7, 1975

[Study of postural variations of the arteriovenous rheogram following delivery under the effect of a vasoactive treatment] Boismare F, et al. **Sem Hop Ther** 51(10):549–55, Dec 75 **(Fre)**

[Proceedings: Finger tip blood circulation during venous stasis] Miyake N, et al. **Jpn Circ J** 39(7):893, Jul 75 **(Jpn)**

[Characteristics of disorders of body functions in post-thrombophlebitic disease] Grinshtein Ela. **Vestn Khir** 116(2):97–101, Feb 76 (Eng. Abstr.) **(Rus)**

[Anatomo-functional changes in the lymphatic vessels of the lower limbs depending on the nature of valve insufficiency of the main veins] Iupatov SI, et al. **Vestn Rentgenol Radiol** (1):66–71, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

SURGERY

Proceedings: Post-phlebitic syndrome. Cure by surgical repair of the incompetent femoral value. Kistner RL. **J Cardiovasc Surg (Torino)** 17(1):85–6, Jan–Feb 76

Venous trauma: emphasis for repair is indicated. Rich NM, et al. **J Cardiovasc Surg (Torino)** Spec No:571–5, 1973

Perfected technique by the 'substitute valve' operation on the popliteal vein; comparative venous pressure measurement before and after the operation and results of 11 years follow up. Psathakis N. **Vasa** 4(3):299–307, 1975

[New aspects in the surgical treatment of post-thrombotic syndrome of the leg] Gruss JD. **Chirurgie** 102(6):416–9, Jun 76 (Eng. Abstr.) **(Fre)**

[The surgeon and the insufficient Cockett's veins] Fischer R. **Vasa** 4(1):33–7, 1975 **(Ger)**

[Comparative evaluation of the results of correction of blood circulation in post-thrombotic venous changes in the lower limbs] Askerkhanov RP, et al. **Khirurgiia (Mosk)** (5):145–51, May 75 (Eng. Abstr.) **(Rus)**

[Reconstructive operations in post-thrombophlebitis syndrome of the pelvis and the lower limbs] Shalimov AA, et al. **Vestn Khir** 116(2):93–7, Feb 76 (Eng. Abstr.) **(Rus)**

THERAPY

[Chronic venous insufficiency. The basis of prophylaxis and therapy] Köster R. **Ther Ggw** 115(5):786–802, May 76 **(Ger)**

VENOUS PRESSURE

Reactive hyperaemia in the hind limbs of the rabbits. III. The effect of hypervolemia and venous congestion. Myhre HO. **Acta Chir Scand** 141(7):609–14, 1975

Episcleral venous pressure and flow dynamics. Widakowich J. **Acta Ophthalmol (Kbh)** 54(4):500–6, Aug 76

Venous distensibility during pregnancy determined by graded venous congestion. Barwin BN, et al. **Am J Obstet Gynecol** 125(7):921–3, 1 AUG 76

Hepatic venous compliance and role of liver as a blood reservoir. Lautt WW, et al. **Am J Physiol** 231(2):292–5, Aug 76

Skeletal muscle vascular volume changes with increased venous pressure. Baker CH, et al. **Blood Vessels** 13(4):222–37, 1976

Primary malignant nodule. Variation in size with pulmonary venous pressure. Lams PM, et al. **Br J Radiol** 49(577):84–6, Jan 76

Proceedings: Extravascular fibrin deposition in response to venous hypertension-the cause of venous ulcers. Burnand KG, et al. **Br J Surg** 63(8):660–1, Aug 76

Venous pressure-volume relation and calf blood flow determined by changes in posture. Barendsen GJ, et al. **Cardiovasc Res** 10(2):206–13, Mar 76

The mechanism of cerebral venous pressure regulation. pp. 216–8. Hacker H, et al. **In: Salamon G., Advances in cerebral angiography. Berlin, Springer, 1975. WL 141 A244 1975.**

Mechanism of production of intestinal secretion by elevated venous pressure. Yablonski ME, et al. **J Clin Invest** 57(4):904–15, Apr 76

Transient protein-losing enteropathy secondary to elevated caval pressures and caval obstruction after the Mustard procedure. Moodie DS, et al. **J Thorac Cardiovasc Surg** 72(3):379–82, Sep 76

Relationship between hepatic hemodynamics and biliary pressure in dogs: its significance in clinical shock following biliary decompression. Tamakuma S, et al. **Jpn J Surg** 5(4):255–68, Dec 75

Effect of increased venous pressure on the hydrostatic and colloid osmotic pressure in subcutaneous interstitial fluid in rats: edema-preventing mechanisms. Fadnes HO. **Scand J Clin Lab Invest** 36(4):371–7, Jul 76

The venomotor response to static muscular exercise. Lorentsen E. **Scand J Clin Lab Invest** 35(8):789–94, Dec 75

The relationship between venous pressure and volume in the lower extremity during exercise. Niederle P, et al. **Vasa** 4(1):40–4, 1975

Perfected technique by the 'substitute valve' operation on the popliteal vein; comparative venous pressure measurement before and after the operation and results of 11 years follow up. Psathakis N. **Vasa** 4(3):299–307, 1975

Proceedings: The effect of straining of the venous pressure of the long saphenous vein in different positions. Ahmed NE, et al. **West Afr J Pharmacol Drug Res** 2(1):101P, Dec 74

[Cerebral venous pressure, sinus pressure and intracranial pressure] Benabid AL, et al. **Neurochirurgie** 20(7):623–32, Dec 74 (Eng. Abstr.) **(Fre)**

[Peripheral phlebodynamometry. Basis, technics, capabilities] Kriessmann A. **Vasa** Suppl 4:1–35, 1975 (103 ref.) **(Ger)**

[The value of peripheral venous pressure in the diagnosis of pulmonary emboli] Völgyi Z. **Orv Hetil** 117(16):960–2, 18 Apr 76 **(Hun)**

[Proceedings: Increase or decrease of heart rate and its relation to atrial venous pressure in land snails] Sato K, et al. **J Physiol Soc Jpn** 36(8–9):377, 1 Sep 74 **(Jpn)**

[Pressure–volume relationship. Relationship between the pressure and circulating blood volume of the venae cavae] Hori M, et al. **Jpn J Clin Med** 33(7):2312–21, 10 Jul 75 **(Jpn)**

[Peripheral venous pressure in recent myocardial infarct] Synoradzka K. **Ann Acad Med Stetin** 21:301–23, 1975 (Eng. Abstr.) **(Pol)**

[Volume rigidity of the capacitance vessels of rats in local arterial hypotension] Shenderov SM, et al. **Biull Eksp Biol Med** 80(9):18–21, Sep 75 (Eng. Abstr.) **(Rus)**

[The state of venous pressure during temporary occlusion of the abdominal aorta] Skorniakova LP. **Eksp Khir Anesteziol** (2):22–3, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[A transistor adaptor for contactless registration of phlebograms] Shestakov NM. **Fiziol Zh SSSR** 61(11):1738–40, Nov 75 **(Rus)**

[Bloodless method of determination of venous pressure in patients with varicose veins] Bulgakov PP. **Sov Med** (4):150, Apr 75 **(Rus)**

[Dynamic pressure in the superficial and deep crural veins in uncomplicated varicosity without incompetence of communicant veins] Panasenkov LI. **Vestn Khir** 116(4):72–6, Apr 76 (Eng. Abstr.) **(Rus)**

[The mechanism of action of tests of cerebrospinal fluid dynamics] Nakhapetov BA, et al. **Zh Nevropatol Psikhiatr** 75(6):852–6, 1975 (Eng. Abstr.) **(Rus)**

[Comparison of the effect of increased arterial and venous pressure on the change of venous resistance in the small intestine] Török J. **Cesk Fysiol** 24(4):341–4, 1975 **(Slo)**

VENOUS PRESSURE, CENTRAL see **CENTRAL VENOUS PRESSURE**

VENOUS THROMBOSIS see **THROMBOPHLEBITIS**

VENTILATION

A ventilation system for processing areas in histopathology laboratories. Werely WA, et al. **Am J Med Technol** 42(4):130–2, Apr 76

A scavenging device for the Bennett BA-4 'anaesthesia ventilator'. Gibb DB. **Anaesth Intensive Care** 3(3):263–6, Aug 75

A guide to the design and installation of laboratory fume cupboards. **Ann Occup Hyg** 18(4):273–91, Dec 75

Practical methods of reducing airborne contaminants in interior spaces. McNall RE Jr. **Arch Environ Health** 30(11):552–8, Nov 75

Laminar flow equipment: performance and testing requirements. Gross RI. **Bull Parenter Drug Assoc** 30(3):143–51, May–Jun 76

Letter: Complications of ducting anesthetic gases to the atmosphere. Davies G, et al. **Can Anaesth Soc J** 23(2):228, Mar 76

Laminar air flow room reverse isolation and microbial suppression to prevent infection in patients with cancer. Schimpff SC. **Cancer Chemother Rep** 59(6):1055–60, Nov–Dec 75

Evaluation and optimum use of directed horizontal filtered air flow for surgeries. Buchberg H, et al. **Clin Orthop** (111):151–5, Sep 75

Fungi and clostridia in hospital air: the effect of air-conditioning. Lidwell OM, et al. **J Appl Bacteriol** 39(3):251–61, Dec 75

Bacteriological evaluation of a mobile laminar cross-flow unit for surgery, under laboratory circumstances. van der Waaij D, et al. **J Hyg (Camb)** 76(1):1–10, Feb 76

Chronic lead absorption. Result of poor ventilation in an indoor pistol range. Landrigan PJ, et al. **JAMA** 234(4):394–7, 27 Oct 75

Letter: Expiratory bacterial filters. Norman J. **Lancet** 2(7977):151, 17 Jul 76

Horizontal air flow unit. Boulton C. **Nurs Times** 72(5):197–8, 5 Feb 76

Reduction of airborne microorganisms by filtering recycled air in a chick hatcher. Avens JS, et al. **Poult Sci** 54(2):479–82, Mar 75

Effect of filtering recycled air in a chick hatcher on airborne pathogenic microorganisms. Avens JS, et al. **Poult Sci** 54(2):594–9, Mar 75

Prevention of Marek's disease using a filtered air positive pressure house. Grunder AA, et al. **Poult Sci** 54(4):1189–92, Jul 75

Ventilation systems for swine housing. Meyer VM. **Vet Med Small Anim Clin** 70(8):992–3, Aug 75

[Elimination of anesthetic vapors and gases from operating rooms] Shturbova MS, et al. **Khirurgiia (Sofiia)** 28(6):568–73, 1975 (Eng. Abstr.) **(Bul)**

[Bacteriological aspects of ventilation of operating rooms] van der Waaij D, et al. **Ned Tijdschr Geneeskd** 119(24):959–64, 14 Jun 75 **(Dut)**

[Positioning of the surgical team in clean air with laminar horizontal flow (tunnel) (author's transl)] Schnitzler M. **Arch Orthop Unfallchir** 83(1):123–7, 4 Sep 75 (Eng. Abstr.) **(Ger)**

[The new draft of the DIN 18379- -ventilation technical installations, and the DIN 18380- -heating and central household water heating installations] Kraupner KW. **Gesund Ing** 97(1–2):31–5, Jan–Feb 76 **(Ger)**

[Supported window ventilation in school construction] Lillich KH. **Gesund Ing** 97(3):41–7, Mar 76 **(Ger)**

[Requirements of ventilator installations in smallpox eradication centers] Zeise D. **Gesund Ing** 96(11):306–17, Nov 75 **(Ger)**

[Comparative bacteriological examinations of sterile boxes and conventional ventilated operating rooms during sham surgery] Hell K, et al. **Helv Chir Acta** 43(1–2):157–60, Mar 76 **(Ger)**

[Content of bacteria in the air of operating – theatre depending upon methods of ventilation (author's transl)] Wanner HU. **Immun Infekt** 2(2):118–22, May 74 (Eng. Abstr.) **(Ger)**

[Useful information on exchange and humidification of air in rooms (author's transl)] Eyer H. **Munch Med Wochenschr** 117(51–52):1993–8, 19 Dec 75 (Eng. Abstr.) **(Ger)**

[Hygienic investigations of air exchange in hospitals] Borovik EB, et al. **Gig Sanit** (12):12–5, Dec 75 (Eng. Abstr.) **(Rus)**

[Some hygienic criteria of air comfort in closed locations] Gubernskiĭ IuD, et al. **Gig Sanit** (5):3–6, May 76 (Eng. Abstr.) **(Rus)**

[Results of studies of the ventilation discharges from electroplating shops from the point of view of the sanitary protection of the atmosphere] Khalimon II, et al. **Gig Sanit** (9):94–5, Sep 75 **(Rus)**

[Problems of the reliability of ventilation systems] Rykhter EV. **Gig Tr Prof Zabol** (6):42–3, Jun 75 **(Rus)**

[Dynamic method for hygienic evaluation of the effectiveness of ventilation] Rykhter EV. **Gig Tr Prof Zabol** (10):58–9, Oct 75 **(Rus)**

[Comparative efficiency of an acute-angled deflector designed by the All-Union Institute of Work Protection of the All-Union Central Trade Union Council used to ventilate forge shops] Shvedov VV. **Gig Tr Prof Zabol** (5):50–2, May 75 **(Rus)**

[Deflectors of a new design] Bol'shakov VI, et al. **Veterinariia** (1):32–6, Jan 76 **(Rus)**

[Microclimate in a swine house with recirculated air] Gushchin VN. **Veterinariia** (11):24–6, Nov 75 **(Rus)**

[Sanitary-hygienic evaluation of the ventilation systems of poultry houses] Minaev IM, et al. **Veterinariia** (7):31–4, Jul 75 **(Rus)**

[Possibility of using air recirculation in swine houses] Volkov GK, et al. **Veterinariia** (9):29–32, Sep 74 **(Rus)**

STANDARDS

[Process control and management of mine ventilation by means of a computer] Patigny J, et al. **Rev Inst Hyg Mines (Hasselt)** 30(4):163–214, 1975 (Eng. Abstr.) **(Fre, Dut)**

VENTILATION-PERFUSION RATIO

see related

PULMONARY CIRCULATION

Hypnotic perturbation of perceived exertion: ventilatory consequences. Morgan WP, et al. **Am J Clin Hypn** 18(3):182–90, Jan 76

Gas exchange in the pulmonary collateral circulation of dogs. Effects of alveolar hypoxia and systemic hypoxemia. Lilker ES, et al. **Am Rev Respir Dis** 112(5):615–20, Nov 75

Letter: Summing PaCO2 and PaO2: a simple expedient for determining alveolar-arterial PO2 difference. Wasserman K. **Am Rev Respir Dis** 113(5):707, May 76

Lung gas tensions and active regulation of ventilation/perfusion ratios in health and disease. Hughes JM. **Br J Dis Chest** 69:153–70, Jul 75 (80 ref.)

Distribution of ventilation-perfusion ratios in patients with interstitial lung disease. Wagner PD, et al. **Chest** 69(2 Suppl):256–7, Feb 76

Pulmonary perfusion abnormalities and ventilation-perfusion imbalance in children after total repair of tetralogy of Fallot. Alderson PO, et al. **Circulation** 53(2):332–7, Feb 76

Local regulation of pulmonary blood flow and ventilation-perfusion ratios in the coatimundi. Grant BJ, et al. **J Appl Physiol** 40(2):216–28, Feb 1976

Effect of intermittently raised intracranial pressure on breathing pattern, ventilatory response to CO2, and blood gases in anesthetized cats. Jennett S, et al. **J Neurosurg** 44(2):156–67, Feb 76

Initial assessment of a simple functional image of ventilation. Alpert NM, et al. **J Nucl Med** 17(02):88–92, Feb 76

A diagnostic strategy using ventilation-perfusion studies in patients suspect for pulmonary embolism. McNeil BJ. **J Nucl Med** 17(7):613–6, Jul 76

Function of external respiration after experimental lung autotransplantation. Rabinovich JJ. **J Thorac Cardiovasc Surg** 71(6):815–24, Jun 76

Lung function measurements in ventilated patients using a respiratory mass spectrometer. Lotz P, et al. **Pneumonologie** 151(4):290–2, 30 May 75

Ventilatory control in athletes. Stegemann J. **Pneumonologie** 151(4):256–8, 30 May 75

Impaired ventilation in a patient with angiographically demonstrated pulmonary emboli. Kessler RM, et al. **Radiology** 114(1):111–2, Jan 75

Can VA/Q distributions in the lung be recovered from inert gas retention data? Olszowka AJ. **Respir Physiol** 25(2):191–8, Nov 75

Radiation doses from 133Xe and 127Xe used for lung function investigations. Ackery DM, et al. **Strahlentherapie [Sonderb]** 74:31–43, 1975

[Some characteristics of respiratory insufficiency in bronchial asthma and its dependence on certain ventilation indices] Denchev K, et al. **Vutr Boles** 14(4):53–8, 1975 **(Bul)**

[Correlation between the diffusion capacity of the lungs and certain ventilation indices in mitral stenosis] Kaloianova A. **Vutr Boles** 14(4):46–52, 1975 (Eng. Abstr.) **(Bul)**

[Influence of disorders in nasal respiration on the ventilatory function of the auditory tube in chronic middle ear inflammations] Vladimír A. **Cesk Otolaryngol** 24(4):230–5, Aug 75 (Eng. Abstr.) **(Cze)**

[Disorders of the ventilation-perfusion ratio in the anesthesia patient] Gay R. **Ann Anesthesiol Fr** 16(5):1K–11K, Sep 75 **(Fre)**

[Lung clearance of polydispersed particles of colloidal Au-198] D'Addabbo A, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:195–7, 1975 **(Fre)**

[Influence of age on regional lung function] Demedts M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:193–4, 1975 **(Fre)**

[Ventilo-perfusion study with radioactive xenon] Ravasini R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:189–92, 1975 **(Fre)**

[Modifications in the geometry of the alveolar capillaries and their role in the ventilation-perfusion ratio] Kapanci Y. **Schweiz Med Wochenschr** 105(48):1620–4, 29 Nov 75 (Eng. Abstr.) **(Fre)**

[Determination of regional ventilation-perfusion ratio with xenon-133] Imhof H, et al. **Nucl Med (Stuttg)** 14(3):232–9, 31 Aug 75 (Eng. Abstr.) **(Ger)**

[The ventilation-perfusion ratio, with special reference to muscular exercise] Morpurgo M, et al. **G Ital Cardiol** 5(5):737–43, 1975 (Eng. Abstr.) **(Ita)**

[The role of the 'VA/Q line' in a periodically ventilated lung model] Shabel'nikov VG. **Probl Kosm Biol** 31:216–34, 1975 **(Rus)**

[Norms and the interpretation of some pulmonary ventilation functional indices] Amatuni VG, et al. **Ter Arkh** 47(3):55–60, 1975 (Eng. Abstr.) **(Rus)**

[The Skibinskiĭ coefficient in practically healthy persons of 50 years of age and over] Drozdov DD, et al. **Vrach Delo** (6):25–7, Jun 74 (Eng. Abstr.) **(Rus)**

METHODS

A simple and non-invasive method to determine the ventilation-perfusion ratio of the lung and the effective lung perfusion. Zwart A, et al. **Acta Anaesthesiol Belg** 23 Suppl:53–63, 1975

VENTRAL HERNIA

Spigelian hernia. Spangen L. **Acta Chir Scand [Suppl]** (462):1–47, 1976

Spigelian hernia. Som PM, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):305–12, May 76

The 'unrecognized' spigelian hernia. Timmes JJ, et al. **Am Fam Physician** 13(3):141–4, Mar 76

A review of Spigelian hernias. Houlihan TJ. **Am J Surg** 131(6):734–5, Jun 76

[Prevention and treatment of recurrent eventrations] Brinzeu P, et al. **Rev Chir [Chir]** 23(9):737–44, Nov–Dec 74 (Eng. Abstr.) **(Rum)**

[Errors and hazards in the diagnosis and treatment of strangulated abdominal hernias] Kozlov IZ, et al. **Khirurgiia (Mosk)** (6):106–10, Jun 75 **(Rus)**

[Evagination of the intestine through preternatural anus with incarceration] Ermolenko GV, et al. **Klin Khir** (8):70, Aug 75 **(Rus)**

[Postoperative hernias and adhesions in the abdominal cavity] Zhenchevskiĭ RA. **Vestn Khir** 115(12):45–9, Dec 75 (Eng. Abstr.) **(Rus)**

[2 new cases of hernia of the Spigeliar semilunar line] Martínez Diez M, et al. **Rev Esp Enferm Apar Dig** 46(6):675–84, Dec 75 **(Spa)**

COMPLICATIONS

Abdominal pain in children caused by linea alba hernias. Bugenstein RH, et al. **Pediatrics** 56(6):1073–4, Dec 75

[An exceptionally rare case of spontaneous cure of a strangulated spigelian hernia with necrosis of the intestine and omentum] Chervenkov PG. **Khirurgiia (Sofiia)** 27(4):315–6, 1974 **(Bul)**

[Case of 2 heterogenous, simultaneous by incarcerated hernias: inguinal and spigelian] Rachev R. **Khirurgiia (Sofiia)** 28(6):589–90, 1975 **(Bul)**

[Postoperative cicatrical hernias of the Spigelian line] Daurova TT, et al. **Vestn Khir** 116(2):65–8, Feb 76 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Chicken bone herina: an unusual presentation of a Richter's hernia. Brantigan CO. **Am Surg** 41(9):584–6, Sep 75

Spigelian and/or lateral ventral hernias. Burke J. **Rev Surg** 32(5):310–3, Sep–Oct 75

[Errors in diagnosis of strangulated external ventral hernia] Klimniuk IG. **Sov Med** (11):143–4, Nov 75 **(Rus)**

ETIOLOGY

Incidence of incisional hernai after dehiscence of the abdominal wound. Grace RH, et al. **Am J Surg** 131(2):210–2, Feb 76 (Eng. Abstr.)

Delayed appearance of traumatic ventral hernia: a case report. Martinez BD, et al. **J Trauma** 16(3):242–3, Mar 76

OCCURRENCE

[Incisional hernia. Review of 140 operated cases] Lex A, et al. **Rev Hosp Clin Fac Med San Paulo** 30(4):349–56, Jul–Aug 75 (Eng. Abstr.) **(Por)**

PREVENTION & CONTROL

[Letter: Prevention of abdominal eviscerations] Mousseau M, et al. **Nouv Presse Med** 4(22):1655–6, 31 May 75 **(Fre)**

RADIOGRAPHY

Peritoneography in spigelian hernias. Svahn T, et al. **Acta Radiol [Diagn] (Stockh)** 1F(1):97–100, Jan 76

SURGERY

Repair of recurrent ventral hernias by an internal 'binder'. Lichtenstein IL, et al. **Am J Surg** 132(1):121–5, Jul 76

Repair of peristomal colostomy hernias. Prian GW, et al. **Am J Surg** 130(6):694–6, Dec 75

Results of treatment of incisional hernias with extractable prostheses. Doeven JJ. **Arch Chir Neerl** 27(4):245–55, 1975

Reappraisal of skin flap closure for neonatal gastroschisis. Thompson J, et al. **Arch Surg** 111(6):684–7, Jun 76

Large abdominal wall herniae: an easy method of repair without prosthetic material, with the induction of pneumoperitoneum. Buddee FW, et al. **Aust NZ J Surg** 45(3):265–70, Aug 75

Difficult hernias: Mersilene mesh in the repair of hernias. Haskey RS, et al. **J Kans Med Soc** 76(10):239–40, 256, Oct 75

Technique for repair of ventral hernia. Moss G. **Surg Gynecol Obstet** 141(4):606–7, Oct 75

[A surgical method for treatment of postoperative hernias and eventrations at the linea alba] Shopov N. **Khirurgiia (Sofiia)** 28(4):387–9, 1975 **(Bul)**

[Utilization of the anterior leaflet of the rectus abdominis sheath for abdominal wall repair. A propos of 865 operations for hernia and incisional hernia (author's transl)] Hureau J, et al. **Ann Chir** 29(12):1113–9, Dec 75 (Eng. Abstr.) **(Fre)**

[Repair of voluminous laparoceles] Monachello A, et al. **Minerva Chir** 30(6):301–5, 31 Mar 75 (Eng. Abstr.) **(Ita)**

[Autologous skin grafts in laparoceles] La Rocca R. **Minerva Med** 67(22):1452–4, 5 May 76 (Eng. Abstr.) **(Ita)**

[Late results of surgical treatment of abdominal postoperative hernia by the simple method] Jeleń J, et al. **Wiad Lek** 28(15):1265–9, 1 Aug 75 (Eng. Abstr.) **(Pol)**

[Autodermoplasty of the abdominal wall in large postoperative hernias] Ianov VN. **Khirurgiia (Mosk)** (7):78–81, Jun 75 (Eng. Abstr.) **(Rus)**

[Use of dura mater for plastic surgery of postoperative hernias] Ziablov VI, et al. **Khirurgiia (Mosk)** (7):109–10, Jun 75 **(Rus)**

[Renal function in patients operated on under local anesthesia combined with neuroleptoanalgesia] Postolov MP, et al. **Urol Nefrol (Mosk)** (3):36–40, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Autodermoplasty in treatment of large supra–lateral postoperative hernias] Ianov VN. **Vestn Khir** 115(11):40–4, Nov 75 **(Rus)**

[Treatment of ventral hernia by means of a synthetic Mercilen] Sahlazov M. **God Zb Med Fak Skopje** 20:591–5, 1974 **(Ser)**

VENTRICULAR FIBRILLATION

Repetitive extrasystole as an index of vulnerability to ventricular fibrillation. Matta RJ, et al. **Am J Physiol** 230(6):1469–73, Jun 76

Letter: Plasma free fatty acids and ventricular fibrillation. Oliver MF. **Br Med J** 1(6001):94, 10 Jan 76

Letter: Recurrent ventricular fibrillation. **N Engl J Med** 293(21):1099–100, 20 Nov 75

Optical isomers of verapamil on canine heart. Prevention of ventricular fibrillation induced by coronary artery occlusion, impaired atrioventricular conductance and negative inotropic and chronotropic effects. Kaumann AJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 291(4):347–58, 17 Dec 75

[Is ventricular fibrillation during cardiac surgery a hasard?] Mikaeloff P, et al. **Arch Mal Coeur** 69(4):407–17, Apr 76 (Eng. Abstr.) **(Fre)**

[Irreversible ventricular (terminal) fibrillation and its anatomo–pathological aspects] Cordioli E, et al. **Boll Soc Ital Cardiol** 18(5):471–8, 1973 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Ventricular fibrillation after intravenous atropine for treatment of sinus bradycardia. Lunde P. **Acta Med Scand** 199(5):369–71, 1976

Effects of carbon monoxide inhalation on ventricular fibrillation. DeBias DA, et al. **Arch Environ Health** 31(1):42–6, Jan–Feb 76

Digitalis and ventricular arrhythmias after cardioversion. Chung EK. **Heart Lung** 5(1):147–8, Jan–Feb 76

Effect of carbon monoxide inhalation on the vulnerability of the heart to induced fibrillation. pp 119–32. Debias DA.

In: Finkel AJ, Duel WC, ed. Clinical implications of air pollution research. Acton, Mass., Publishing Sciences Group, 1976. WA 754 A514c 1974.

Letter: Ventricular fibrillation after narcotic withdrawal. Lawrence JR, et al. **Lancet** 2(7937):717, 11 Oct 75

[Sudden death from ventricular fibrillation after voluntary inhalation of chlorothene in a mechanics apprentice] Gubéran E, et al. **Schweiz Med Wochenschr** 106(4):119–21, 24 Jan 76 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Observations on patients with primary ventricular fibrillation complicating acute myocardial infarction. Lie KI, et al. **Circulation** 52(5):755–9, Nov 75

Delayed conversion to sinus rhythm after direct–current countershock. Duvernoy WF, et al. **Heart Lung** 5(3):465–70, May–Jun 76

[Ventricular fibrillation during testing of a demand pacemaker (author's transl)] Seipel L, et al. **Dtsch Med Wochenschr** 100(47):2439–42, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[Proceedings: Case of bradycardia–tachycardia syndrome with frequent Adams–Stokes attacks caused by ventricular fibrillation] Nakamura S, et al. **Jpn Circ J** 39(7):876, Jul 75 **(Jpn)**

DIAGNOSIS

Electrocardiographic antecedents of primary ventricular fibrillation. Value of the R–on–T phenomenon in myocardial infarction. El–Sherif N, et al. **Br Heart J** 38(4):415–22, Apr 76

Rapid assessment of ventricular fibrillation thresholds during experimental infarction in the canine heart. Logic JR. **Proc Soc Exp Biol Med** 149(4):968–71, Sep 75

[Syncopal attacks and sudden death due to ventricular fibrillation — a variant of the Jervell or Lange–Nielsen syndrome (author's transl)] Weiner C. **Klin Paediatr** 187(5):448–60, Sep 75 (Eng. Abstr.) **(Ger)**

[Pre–fibrillation stage. Review] Takáč M, et al. **Vnitr Lek** 22(5):431–8, May 76 (Eng. Abstr.) **(Slo)**

[Concealed tachycardia (author's transl)] Besoain M. **Rev Med Chil** 103(12):815–20, DEC 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pindolol (Viscén) in persistent ventricular fibrillation. A case report. Holmboe J, et al. **Acta Anaesthesiol Scand** 20(1):70–2, 1976

Beneficial effect of lidocaine on ventricular electrical stability and spontaneous ventricular fibrillation during experimental myocardial infarction. Borer JS, et al. **Am J Cardiol** 37(6):860–3, May 76

Verapamil and digitalics: experimental study on heart in situ of guinea–pig. Lastra LA, et al. **Arch Farmacol Toxicol** 1(3):193–210, Dec 75

Suppression of ouabain–induced ventricular rhythms with aprindine HCl. A comparison with other antiarrhythmic agents. Foster PR, et al. **Circulation** 53(2):315–21, Feb 76

Editorial: Sudden death and lingering hope. Vaisrub S. **JAMA** 235(16):1726, 19 Apr 76

Letter: Propranolol treatment of VPB's. Naggar CZ, et al. **N Engl J Med** 294(16):903–4, 15 Apr 76

[Experimental studies on the use of beta–sympatholytics in infarct–induced ventricular fibrillation] Schley G, et al. **Med Welt** 26(27–28):1313–5, 11 Jul 75 **(Ger)**

[Pharmacological profile of a new anti–arrhythmia agent: bunaftide] Beani L. **Boll Soc Ital Cardiol** 17(12):1279–81, 1972 **(Ita)**

ETIOLOGY

Pacemaker 'nonsense'. Schatz JW, et al. **Am Heart J** 90(5):677–8, Nov 75

Complications of selective coronary arteriography by the Judkins technique and their prevention. Shah A, et al. **Am Heart J** 90(3):353–9, Sep 75

Diabetic treatment and primary ventricular fibrillation in acute myocardial infarction. Lichstein E, et al. **Am J Cardiol** 38(1):100–2, Jul 76

Life–threatening arrhythmias in the mitral valve prolapse syndrome. Winkle RA, et al. **Am J Med** 60(7):961–7, Jun 76

Cardiac pacemaker induced ventricular fibrillation during surgical diathermy. Orland HJ, et al. **Anaesth Intensive Care** 3(4):321–6, Nov 75

Ventricular fibrillation threshold in acute myocardial infarction and its relation to myocardial infarct size. Bloor CM, et al. **Cardiovasc Res** 9(4):468–72, Jul 75

Time course of changes in ventricular fibrillation threshold in myocardial infarction: characteristics of acute and slow occlusion with respect to the collateral vessels of the heart. Meesmann W, et al. **Cardiovasc Res** 10(4):466–73, Jul 74

Ventricular fibrillation induced by a defective demand pacemaker. Chirife R, et al. **Chest** 69(2):247–9, Feb 76

Letter: Pacemaker–induced ventricular fibrillation. Lyon LJ. **Chest** 70(2):320, Aug 76

60–Hz ventricular fibrillation and pump failure thresholds versus electrode area. Roy OZ, et al. **IEEE Trans Biomed Eng** 23(1):45–8, Jan 76

Emergency surgical therapy of complicated acute myocardial infarction: indications and results in cardiogenic shock, intractable ventricular tachycardia, and extending infarction. pp. 445–51. Amsterdam EA, et al.

In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.

Warner Heart Oration (1975). Antecedents of ventricular fibrillation in acute myocardial infarction. Shah SJ. **Indian Heart J** 27(4):221–31, Oct 75

Cardiac output, coronary flow, ventricular fibrillation and survival following varying degrees of myocardial contusion. Utley JR, et al. **J Surg Res** 20(6):539–43, Jun 76

Letter: Cyclic A.M.P. and arrhythmias. de Gaetano G, et al. **Lancet** 1(7964):864, 17 Apr 76

Cyclic adenosine monophosphate, ventricular fibrillation, and antiarrhythmic drugs. Podzuweit T, et al. **Lancet** 1(7955):341–2, 14 Feb 76

Ventricular fibrillation and cardiac arrest immediately following electroconvulsive therapy. Wise TN, et al. **Md State Med J** 25(6):61–2, Jun 76

60 Hz ventricular fibrillation and rhythm thresholds and the nonpacing intracardiac catheter. Roy OZ. **Med Biol Eng** 13(2):228–34, Mar 75

Letter: Ventricular fibrillation. Roy OZ. **Med Biol Eng** 12(1):130, Jan 74

Letter: Ventricular fibrillation and psychologic stress. **N Engl J Med** 294(24):1347–8, 10 Jun 76

Basis for recurring ventricular fibrillation in the absence of coronary heart disease and its management. Lown B, et al. **N Engl J Med** 294(12):623–9, 18 Mar 76

Recurrent iatrogenic ventricular fibrillation. Induced by malpositioned central venous catheter. Quan KC, et al. **NY State J Med** 75(12):2244–5, Oct 75

Accidental ventricular fibrillation of the human heart. A study of excitability levels with alternating current. Kugelberg J. **Scand J Thorac Cardiovasc Surg** 9(2):133–9, 1975

[Ventricular fibrillation as complication of the application of a cava–catheter (author's transl)] Buchwald KP. **Anaesthesist** 25(3):110–1, Mar 76 (Eng. Abstr.) **(Ger)**

[Changes in the fibrillation threshold of the heart during the first 10 hours following acute coronary occlusion] Gülker H, et al. **Verh Dtsch Ges Inn Med** 81:320–2, 1975 **(Ger)**

[Ventricular fibrillation. Etiopathogenetic aspects and clinical observations] pp. 157–73. Martinelli M.

In: Magnani B, Bracchetti D, ed. Attualità in tema di aritmie cardiache. Torino, Minerva Medica, 1974. W3 CO9795 1972a. (Ita)

[Case of transient ventricular fibrillation induced by sinus or supraventricular beat following open heart surgery] Sakamoto T, et al. **Jpn J Thorac Surg** 28(7):507–13, 1 Jul 75 (Eng. Abstr.) **(Jpn)**

[Ventricular fibrillation and alternating current] Tanji H, et al. **Respir Circ (Tokyo)** 24(5):388, May 76 **(Jpn)**

[A possibility of an anterior internodal block due to occult retrograde conduction in atrio–ventricular dissociation] Grinberg M, et al. **Arq Bras Cardiol** 28(6):629–32, Dec 75 **(Por)**

[Histoxic hypoxia as one of the causes of ventricular fibrillation and decreased myocardial contractility] Pevzner IIa, et al. **Kardiologiia** 15(7):88–93, Jul 75 (Eng. Abstr.) **(Rus)**

[Ventricular fibrillation in acute phase of myocardial infarct. 1. Relationship between the development of ventricular fibrillation in myocardial infarct and previous rhythm disorders] Raĭskina ME. **Kardiologiia** 15(7):83–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Paroxymal ventricular tachycardia induced by a 'dislodged' pacemaker] Bosch R, et al. **Rev Esp Cardiol** 28(6):601–3, 1975 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Attacks of ventricular fibrillation and unconsciousness in a patient with prolonged QT interval. A family study. Chaundron JM, et al. **Am Heart J** 91(6):783–91, Jun 76

METABOLISM

Effect of anoxic cardiac arrest and induced ventricular fibrillation on myocardial mitochondrial respiration and oxidative phosphorylation. O'Connor F, et al. **J Surg Res** 19(5):325–32, Nov 75

[Protein biosynthesis in the fibrillating perfused heart during normal oxygenation and following anoxia] Korotkina RN, et al. **Biull Eksp Biol Med** 81(2):182–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of anoxic block and ventricular fibrillation on oxydative phosphorylation and the mitochondrial myocardial respiration. Experimental study] O'Connor F, et al. **Rev Esp Cardiol** 28(4):349–56, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

MORTALITY

Toward preventing coronary death from ventricular fibrillation. Julian DG. **Circulation** 54(3):360–4, Sep 76

Coronary revascularization in patients surviving unexpected ventricular fibrillation. Myerburg RJ, et al. **Circulation** 52(6 Suppl 3):219–22, Dec 75

Long-term survival following prehospital resuscitation from ventricular fibrillation. pp. 227–8. Lewis AJ, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

PHYSIOPATHOLOGY

Differing mechanisms for ventricular vulnerability during coronary artery occlusion and release. Corbalan R, et al. **Am Heart J** 92(2):223–30, Aug 76

Vulnerability to ventricular fibrillation during acute coronary arterial occlusion and release. Axelrod PJ, et al. **Am J Cardiol** 36(6):776–82, Nov 75

Effects of unilateral cardiac sympathetic denervation on the ventricular fibrillation threshold. Schwartz PJ, et al. **Am J Cardiol** 37(7):1034–40, Jun 76

The effect of anoxia on the ventricular fibrillation threshold in the rabbit isolated heart. Murnaghan MF. **Br J Pharmacol** 54(4):413–20, Aug 75

Ventricular fibrillation threshold and vulnerable period in the isolated perfused rat heart. Lubbe WF, et al. **Cardiovasc Res** 9(5):613–20, Sep 75

Compression of the coronary arteries by the fibrillating canine heart. Downey J. **Circ Res** 39(1):53–7, Jul 76

Atrial rhythm during ventricular fibrillation in the dog. Scher AM, et al. **Circ Res** 38(1):41–5, Jan 76

Interaction of sequential stimuli applied during the relative refractory period in relation to determination of fibrillation threshold in the canine ventricle. Tamargo J, et al. **Circ Res** 37(5):534–41, Nov 75

Electrophysiological mechanisms involved in ventricular fibrillation. Zipes DP. **Circulation** 52(6 Suppl 3):120–30, Dec 75

Neural activity and ventricular fibrillation. Lown B, et al. **N Engl J Med** 294(21):1165–70, 20 May 76

Early ventricular fibrillation in the baboon: possible role of epicardial ST segment changes. Bruyneel K, et al. **Recent Adv Stud Cardiac Struct Metab** 5:329–33, 1975

The role of myocardial membrane leakage channels in the production of fibrillation: studies with an analog computer model. Krause H, et al. **Recent Adv Stud Cardiac Struct Metab** 5:295–302, 1975

[Temporary restoration of synchronous electrical cardiac activity in a human being after ventricular fibrillation lasting more than 3 hours] Stefanov G, et al. **Vutr Boles** 14(2):107–11, 1975 (Eng. Abstr.) **(Bul)**

[Effect of arterial hypoxia and acidosis on fibrillation threshold in the cat heart in vivo] Marquardt R, et al. **Z Kardiol** 65(7):585–9, Jul 76 (Eng. Abstr.) **(Ger)**

[Comparison of ventricular fibrillation maintained by spontaneous, direct current stimuli and alternative current stimuli during cardiopulmonary bypass–with special reference to partial left ventricular hemodynamics and intramyocardial tissue pressure] Okumori M, et al. **J Jpn Assoc Thorac Surg** 23(7):833–8, Jul 75 (Eng. Abstr.) **(Jpn)**

[Ventricular fibrillation and the vulnerable period] Tanji Y, et al. **Respir Circ (Tokyo)** 24(3):252, Mar 76 **(Jpn)**

PREVENTION & CONTROL

Effect of nitroglycerin on ventricular fibrillation threshold of nonischemic myocardium. Dashkoff N, et al. **Am J Cardiol** 38(2):184–8, Aug 76

Experimental coronary occlusion in calves: the effect of hyperglycaemia on ventricular fibrillation threshold. Egerton WS, et al. **Aust NZ J Surg** 46(1):92–6, Feb 76

Myocardial preservation. Open discussion. **J Thorac Cardiovasc Surg** 70(6):1024–39, Dec 75

[Prevention of ventricular fibrillation during the acute phase of experimentally induced myocardial infarction by affecting the ion and acid–base balance of the heart] Shargorodskiĭ BM, et al. **Kardiologiia** 16(1):43–8, Jan 76 (Eng. Abstr.) **(Rus)**

REHABILITATION

Primary ventricular fibrillation and resumption of work, sexual activity, and driving after first acute myocardial infarction. Kushnir B, et al. **Br Med J** 4(5997):609–11, 13 Dec 75

THERAPY

Refractory ventricular tachycardia and fibrillation in a patient with the prolapsing mitral leaflet syndrome: successful control with overdrive pacing. Ritchie JL, et al. **Am J Cardiol** 37(2):314–6, Feb 76

Resuscitation from out-of-hospital ventricular fibrillation: 4 years follow-up. Cobb LA, et al. **Circulation** 52(6 Suppl 3):223–35, Dec 75

Emergency care. Nagel EL, et al. **Circulation** 52(6 Suppl 3):216–8, Dec 75

Blind defibrillation. pp. 67–8. Grace WJ, et al.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.

Trans-chest ventricular defibrillation of heavy subjects using trapezoidal current waveforms. Tacker WA Jr, et al. **J Electrocardiol** 8(3):237–40, Jul 75

Clinical efficacy of a truncated exponential decay defibrillator. Tacker WA Jr, et al. **J Electrocardiol** 9(3):273–81, 1976

Letter: Low-energy ventricular defilbrillation and miniature defibrillators. Crampton RS, et al. **JAMA** 235(21):2284, 24 May 76

Cough-induced cardiac compression. Self-administered from of cardiopulmonary resuscitation. Criley JM, et al. **JAMA** 236(11):1246–50, 13 Sep 76

Self-administered cardiopulmonary resuscitation by cough-induced cardiac compression. Criley JM, et al. **Trans Am Clin Climatol Assoc** 87:138–46, 1976

[Recurrent ventricular fibrillation in a subject with mitral valve prosthesis solved by electric pacing and beta-blockaders] Marconi P, et al. **Arch Chir Torac Cardiovasc** 32(3–4):161–3, Jul–Dec 75 **(Ita)**

[Restoration to life with electroshock on the heart: usefulness of the portable defibrillator] **Minerva Cardioangiol** 24(2):171–2, Feb 76 **(Ita)**

[Cardiac defibrillation with the aid of ultrasound] Dulevičius Z, et al. **Kardiologiia** 16(1):38–43, Jan 76 (Eng. Abstr.) **(Rus)**

VETERINARY

Effects of xylazine and acetylpromazine upon induced ventricular fibrillation in dogs anesthetized with thiamylal and halothane. Muir WW, et al. **Am J Vet Res** 36(9):1299–1303, Sep 75

VENTRICULOGRAPHY

Intracranial pressure during ventriculography using meglumine iothalamate. Shaw MD, et al. **Acta Neurochir (Wien)** 34(1–4):273–8, 1976

Metrizamide as contrast medium for myelography and ventriculography. Preliminary clinical experiences. Gonsette RE. **Acta Radiol [Suppl] (Stockh)** (335):346–58, 1973

Size of the intracerebral ventricles as measured with computer tomography, encephalography and echoventriculography. Hanson J, et al. **Acta Radiol [Suppl] (Stockh)** (346):98–106, 1975

Frontal ventricular dimensions on normal computed tomography. Hahn FJ, et al. **Am J Roentgenol** 126(3):593–6, Mar 76

The ventricular-brain ratio using planimetric measurement of EMI scans. Synek V, et al. **Br J Radiol** 49(579):233–7, Mar 76

Relationship between Monro's foramen and cranial breadth: a method for a more accurate echo-encephalographic examination. Collice M, et al. **J Neurosurg Sci** 19(3):159–62, Jul–Sep 75

Dynamic cisternography in normal dogs and in human beings. Schossberger PF, et al. **Neurology** 26(3):254–60, Mar 76

Comparing Evans' index and computerized axial tomography in assessing relationship of ventricular size to brain size. Synek V, et al. **Neurology** 26(3):231–3, Mar 76

Measurements of the normal ventricular system with computer tomography of the brain. A preliminary study on 44 adults. Gyldensted C, et al. **Neuroradiology** 10(4):205–13, 1976

Posterior fossa, aqueduct and fourth ventricle of the living mouse studied by positive contrast and plain radiography. Masters C, et al. **Neuroradiology** 11(2):93–7, 31 May 76

The medial posterior choroidal artery as an indicator of masses at the foramen of Monro. Rothman SL, et al. **Neuroradiology** 11(3):123–9, 16 Jul 76

Computed tomography: evaluation of the posterior third ventricle. Messina AV, et al. **Radiology** 119(3):581–92, Jun 76

[Ventriculography with positive water soluble contrast medium] Haase J, et al. **Ugeskr Laeger** 138(9):530–4, 23 Feb 76 (Eng. Abstr.) **(Dan)**

[Diagnosis of brain neoplasms by pneumoencephalography and ventriculography] Yamaguchi K. **Jpn J Clin Radiol** 20(9):729–36, Sep 75 **(Jpn)**

[Ventriculography and myeloradiooculography with iodized water-soluble contrast media] Reixach-Granés R, et al. **Arq Neuropsiquiatr** 33(1):82–90, Mar 75 (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

Effect of intracranial pressure of meglumine iothalamate ventriculography. Shaw MM, et al. **J Neurol Neurosurg Psychiatry** 38(10):1022–6, Oct 75

A clinical and experimental study of meglumine iocarmate in the subarachnoid space: a complication of positive contrast ventriculography. Yonekawa Y, et al. **Surg Neurol** 5(3):167–70, Mar 76

INSTRUMENTATION

Neuroradiological applications of the Ommaya reservoir system. Hekster RE, et al. **Radiol Clin (Basel)** 45(2–4):277–81, 1976

METHODS

Ventriculography with methylglucamine iocarmate (Dimer-X). Experimental and clinical study. Suzuki S, et al. **Acta Neurochir (Wien)** 33(3–4):219–31, 1976

Ventriculographic pictures with air and oil in eight infants with agenesis of the septum pellucidum. pp. 221–5. Mraček Z.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Ventricular landmarks for thalamic stereotaxy in Macaca. Percheron G. **J Med Primatol** 4(4):217–44, 1975

Letter: Needle immobilization during ventriculography. Penning L. **J Neurosurg** 45(1):125, Jul 76

Clinical results with metrizamide ventriculography. Skalpe IO, et al. **J Neurosurg** 43(4):432–6, Oct 75

Method of needle immobilization for ventriculography; technical note. Strother CM, et al. **J Neurosurg** 44(2):262–3, Feb 76

Remarks concerning 102 watersoluble contrast ventriculographies. Occhipinti E, et al. **J Neurosurg Sci** 19(4):238–47, Oct–Dec 75

Experience with Dimer-X 1-ventriculography. Finck M, et al. **Neuropaediatrie** 6(4):339–46, Nov 75

The chain guide technique for selective ventriculography. Corrales M. **Neuroradiology** 9(5):243–9, 15 Sep 75

[Study of the tumors of the 3d and 4th ventricle by means of rotation pneumogram] Gvozdanović V, et al. **Neuropsihijatrija** 22(1–4):25–37, 1974 (Eng. Abstr.) **(Cro)**

[Ventriculography of the IIIrd and IVth chamber by means of Conray 60 (author's transl)] Bret J, et al. **Cesk Radiol** 29(6):366–72, Nov 75 (Eng. Abstr.) **(Cze)**

[Selective ventriculography according to the Corrales technique. Its value in the diagnosis of tumors of the 3d ventricle and posterior fossa] Besson G, et al. **Neurochirurgie** 21(7):583–9, Dec 75 (Eng. Abstr.) **(Fre)**

[Diagnostic possibilities of positive contrast ventriculography (author's transl)] Agnoli A, et al. **Acta Neurochir (Wien)** 31(3–4):227–43, 1975 (Eng. Abstr.) **(Ger)**

[Central dimer x ventriculography (author's transl)] Winkelmann H. **Radiol Diagn (Berl)** 16(6):825–35, 1975 (Eng. Abstr.) **(Ger)**

[Ventriculography with methylglucamine iocarmate (Dimer-X). Experimental and Clinical study (author's transl)] Suzuki S, et al. **Neurol Surg (Tokyo)** 3(10):849–58, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Ventriculography and myeloradiooculography with iodized water-soluble contrast media] Reixach-Granés R, et al. **Arq Neuropsiquiatr** 33(1):82–90, Mar 75 (Eng. Abstr.) **(Por)**

[A simplified method of cerebral ventricle puncture for ventriculography] Zlotnik EI, et al. **Vopr Neirokhir** (5):45–6, Sep–Oct 75 **(Rus)**

VERAPAMIL see **IPROVERATRIL**

VERATRIDINE see under **VERATRINE**

VERATRINE

ANALOGS & DERIVATIVES

Mode of action of veratridine on perfused frog ventricle. Basseches P, et al. **Arch Int Pharmacodyn Ther** 221(2):190–6, Jun 76

Activation and inhibition of the action potential Na+ ionophore of cultured rat muscle cells by neurotoxins. Catterall WA. **Biochem Biophys Res Commun** 68(1):136–42, 12 Jan 76

Drugs to explore the ionic channels in the axon membrane. pp. 351–66. Ulbricht W.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. (41 ref.)

Stimulation of the cell-free adenylate cyclase from guinea pig cerebral cortex by acidic amino acids and veratridine. Shimizu H, et al. **J Cyclic Nucleotide Res** 1(2):61–7, 1975

Calcium-dependent release of exogenously loaded gamma-amino-[U-14C]butyrate from synaptosomes: time course of stimulation by potassium, veratridine, and the calcium ionophore, A23187. Redburn DA, et al. **J Neurochem** 26(2):297–303, Feb 76

Dopamine synthesis in rat brain striatal synaptosomes. I. Correlations between veratridine-induced synthesis stimulation and endogenous dopamine release. Patrick RL, et al. **J Pharmacol Exp Ther** 197(1):89–96, Apr 76

Veratridine enhancement of agonist-induced synaptic membrane depolarization in electroplax. Niemi WD, et al. **Life Sci** 19(5):707–18, 1 Sep 76

The relation between the effects of veratridine on action potential and contraction in mammalian ventricular myocardium. Honerjäger P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 289(1):1–28, 18 Jun 75

PHARMACODYNAMICS

Effects of veratrine on repolarization in the canine right bundle branch. Arbel ER, et al. **Am J Physiol** 229(5):1254–60, Nov 75

Grayanotoxin, veratrine, and tetrodotoxin-sensitive sodium pathways in the Schwann cell membrane of squid nerve fibers. Villegas J, et al. **J Gen Physiol** 67(3):369–80, Mar 76

Transmembrane sodium movement and regulation of contraction in frog atrial muscle during the inotropic effect of veratrine. Horackova M, et al.
Recent Adv Stud Cardiac Struct Metab 5:51–7, 1975

[The effect of veratrine on the embryonal development of anuran amphibians] Cuomo MG, et al. **Riv Biol** 68(4):323–46, Oct–Dec 75 **(Eng, Ita)**

VERATRUM

PHARMACODYNAMICS

[Determination of the biological activity of hellebore preparations on lake frogs] Popov DM. **Farmatsiia** 24(2):81–2, Mar–Apr 75 **(Rus)**

THERAPEUTIC USE

[Millenial therapeutic continuity. Justification of the ancient use of (white) hellebore by the discoveries of modern psychopharmacology] Alliez J. **Ann Med Psychol (Paris)** 1(2):255–9, Feb 76 **(Fre)**

VERATRUM ALKALOIDS

PHARMACODYNAMICS

Intracellular recording of after-discharge induced by veratrum alkaloids in the guinea-pig nodose ganglion. Blackman JG, et al. **Brain Res** 98(2):369–72, 14 Nov 75

Myocardial responses to acetylstrophanthidin during veratrum alkaloid refractoriness. Gilmore JP, et al.
Proc Soc Exp Biol Med 151(1):1–6, Jan 76

VERBAL BEHAVIOR

see related
LANGUAGE DISORDERS
SPEECH DISORDERS

A comparison of attentional and control shift models of the performance of concurrent tasks. Briggs GG.
Acta Psychol (Amst) 39(3):183–91, Jun 75

Generalized and lateralized effects of concurrent verbal rehearsal upon performance of sequential movements of the fingers by the left and right hands. Hicks RE, et al.
Acta Psychol (Amst) 39(2):119–30, Apr 75

The impact of peer pressure on the verbally expressed drug attitudes of male college students. Shute RE.
Am J Drug Alcohol Abuse 2(2):231–43, 1975

Efficiency of self-generated elaborations by EMR and nonretarded children. Buckhalt JA, et al.
Am J Ment Defic 81(1):93–6, Jul 76

Verbalization in EMR children's observational learning. Cullinan D. **Am J Ment Defic** 81(1):65–72, Jul 76

Healing through meeting: a dialogical approach to psychotherapy. Part II. Friedman M. **Am J Psychoanal** 35(4):343–54, Winter 75

The application of a method of content analysis to psychotherapy research. Gottschalk LA.
Am J Psychother 28(4):488–99, Oct 74

Alcohol's effect on some formal aspects of verbal social communication. Smith RC, et al. **Arch Gen Psychiatry** 32(11):1394–8, Nov 75

Effect of a memory retrieval task on recall of verbal material obtained after awakening from sleep. Cipolli C, et al.
Biol Psychol 3(4):321–6, Dec 75

The relationship between semantic impairment in comprehension and naming in aphasic patients. Gainotti G. **Br J Disord Commun** 11(1):57–61, Apr 76

The problem of generalization in the operant conditioning of social speech in the severely subnormal. Use of reversal to establish generalizability. Barton ES. **Br J Psychiatry** 127:376–85, Oct 75

Extraversion and reinforcement in verbal operant conditioning. Gupta BS. **Br J Psychol** 67(1):47–52, Feb 76

Anxiety and ritualized speech. Lalljee M, et al.
Br J Psychol 66(3):299–306, Aug 75

Verbal retention deficits in aphasic and amnesic patients. Cermak LS, et al. **Brain Lang** 3(1):16–27, Jan 76

A process model of repetition in aphasia: an investigation of phonological and morphological interactions in aphasic error performance. Martin AD, et al. **Brain Lang** 2(4):434–50, Oct 75

Immediate memory for word lists and sentences in a patient with deficient auditory short-term memory. Saffran EM, et al. **Brain Lang** 2(4):420–33, Oct 75

The interaction of rate and complexity of stimulus on the performance of adult aphasic subjects. Weidner WE, et al. **Brain Lang** 3(1):34–40, Jan 76

The effects of continuous nurturance and nurturance withdrawal on children's behavior: a partial replication. Ascione FR. **Child Dev** 46(3):790–5, Sep 75

Nonassertive expression of parental approval and disapproval and its relationship to child disturbance. Bugental DB, et al. **Child Dev** 46(3):747–52, Sep 75

Verbal effects in children's visual recognition memory. Reese HW. **Child Dev** 46(2):400–7, Jun 75

A study of the relationship of nonverbal to verbal behavior: effect of lip caressing on hope and oral references as expressed in the content of speech. Gottschalk LA, et al.
Compr Psychiatry 17(1):135–52, Jan–Feb 76

Verbal and non-verbal short-term memory impairment following hemispheric damage. De Renzi E, et al.
Cortex 11(4):341–54, Dec 75

Development of autistic children with special regard to their means of verbal expression. Sedláčková E, et al.
Folia Phoniatr (Basel) 27(3):157–65, 1975

Reinstatement of verbal behavior in elderly mental patients using operant procedures. Hoyer WJ, et al.
Gerontologist 14(2):149–52, Apr 74

Extended comprehension training leading to improved verbal production: a treatment program for the aphasic patient. pp. 79–88. Kushner D.
In: Brookshire RH, ed. Clinical aphasiology. Minneapolis, BRK Publishers, 1975. W3 C5698 1975c.

Jargon aphasia – a confusing state of affairs. pp. 96–102. Rau MT.
In: Brookshire RH, ed. Clinical aphasiology. Minneapolis, BRK Publishers, 1975. W3 C5698 1975c. (20 ref.)

Presidential address: brain function, verbal behavior, and psychotherapy. pp. 74–86. Fink M.
In: Spitzer RL, Klein DF, ed. Evaluation of psychological therapies. Baltimore, Johns Hopkins Univ Press, 1976. W1 PR584XN no.64 1974.

A test of two techniques for inducing verbal, behavioral, and further compliance with a request to give blood. pp 176–86. Cialdini RB.
In: Weiss SM, ed. Proceedings of the National Heart and Lung Institute Working Conference on health behavior. Bethesda, NIH, 1975. WG 200 N279p 1975.

Hypnotic susceptibility and verbal conditioning. King DR, et al. **Int J Clin Exp Hypn** 24(1):29–37, Jan 76

The use of tokens to facilitate outcome and monitor process in group psychotherapy. Flowers JV, et al.
Int J Group Psychother 26(2):191–201, Apr 76

Electroencephalographic correlates of verbally induced stress in man. Hanley J. **Int J Psychiatry Med** 6(1–2):3–13, 1975 (38 ref.)

Control of echolalic speech in psychotic children. Carr EG, et al. **J Abnorm Child Psychol** 3(4):331–51, 1975

An analysis of children's oppositional behavior. Forehand R, et al. **J Abnorm Child Psychol** 3(1):27–31, 1975

Adolescent verbal behavior. An investigation of noncontent styles as related to race and delinquency status. Wool R, et al. **J Abnorm Child Psychol** 3(3):245–54, 1975

Depression and the response of others. Coyne JC.
J Abnorm Psychol 85(2):186–93, Apr 76

On the identification of warded-off mental contents: an empirical and methodological contribution. Horowitz LM, et al. **J Abnorm Psychol** 84(5):545–58, Oct 75

Speech patterns of five psychotic children now in adolescence. Shapiro T, et al.
J Am Acad Child Psychiatry 15(2):278–93, Spring 76

Articulation training of two hearing-impaired girls. Bennett CW. **J Appl Behav Anal** 7(3):439–45, Fall 74

Social-skills training to modify abusive verbal outbursts in adults. Frederiksen LW, et al. **J Appl Behav Anal** 9(2):117–25, Summer 76

Generalizing the use of descriptive adjectives through modelling. Martin JA. **J Appl Behav Anal** 8(2):203–9, Summer 75

Transfer of stimulus control from motor to verbal stimuli. Striefel S, et al. **J Appl Behav Anal** 7(1):123–35, Spring 74

Generalization of verbal conditioning to verbal and nonverbal behavior: group therapy with chronic psychiatric patients. Tracey DA, et al.
J Appl Behav Anal 7(3):391–402, Fall 74

Verbal behavior by black and white leaders of biracial groups in two different environments. Allen WR, et al.
J Appl Psychol 61(4):441–5, Aug 76

Port noise complaints: verbal and behavioral reactions to airport-related noise. Fiedler FE, et al. **J Appl Psychol** 60(4):498–506, Aug 75

Language, communication, and the use of symbols in normal and autistic children. Ricks DM, et al.
J Autism Child Schizo 5(3):191–221, Sep 75

Language patterns of adolescent autistics. Simmons JQ, et al. **J Autism Child Schizo** 5(4):333–51, Dec 75

Attendant staff speech to the institutionalized retarded: language use as a measure of the quality of care. Pratt MW, et al. **J Child Psychol Psychiatry** 17(2):133–43, Apr 76

Neurotic anxiety, pronoun usage and stress. Alban LS, et al. **J Clin Psychol** 32(2):393–9, Apr 76

Role of expectancy set in the systematic desensitization of speech anxiety: an extension of prior research. Hemme RW, et al. **J Clin Psychol** 32(2):400–4, Apr 76

Psychopathological behavior and the hospital environment. Lohss WE. **J Clin Psychol** 32(3):523–7, Jul 76

Verbal and performance IQ for discrimination among psychiatric diagnostic groups. Loro B, et al.
J Clin Psychol 32(1):107–14, Jan 76

Administrator's gender and sexual content in projective test protocols. Milner JS. **J Clin Psychol** 31(3):540–1, Jul 75

Interviewee matching of interviewer temporal speech behaviors as related to perceived empathy, warmth, and genuineness. Natale M. **J Clin Psychol** 32(2):407–12, Apr 76

Neurotic verbalizations: an exploration of a Gestalt therapy assumption. Nelson WM 3d, et al. **J Clin Psychol** 31(4):732–7, Oct 75

Evaluation of a content-analysis system for therapeutic interviews. O'Dell JW, et al. **J Clin Psychol** 31(4):737–44, Oct 75

A scale for the measurement of client and therapist expressiveness. Wexler DA. **J Clin Psychol** 31(3):486–9, Jul 75

Sentence length—duration relationships in an auditory assembly task. Pantalos J, et al. **J Commun Disord** 8(1):61–74, Mar 75

Content analysis of the natural language of A and B males in a dyadic interaction. Franco EA, et al.
J Consult Clin Psychol 43(3):345–9, Jun 75

Response productivity in verbal content analysis: a critique of Marsden, Kalter, and Ericson. Gleser GC, et al.
J Consult Clin Psychol 44(4):508–10, Aug 76

Expression of feeling and cognitive reinterpretation in the reduction of hostile aggression. Green RA, et al.
J Consult Clin Psychol 43(3):375–83, Jun 75

Further comments on response productivity. Kalter N, et al. **J Consult Clin Psychol** 44(4):511–3, Aug 76

Effects of contingent events on stuttering and fluency. Lanyon RI, et al. **J Consult Clin Psychol** 43(6):786–93, Dec 75

Effects of instructionally mediated demand on the behavioral assessment of assertiveness. Nietzel MT, et al.
J Consult Clin Psychol 44(3):500, Jun 76

Impression management in the psychiatric interview: quality, style, and individual differences. Sherman M, et al.
J Consult Clin Psychol 43(6):867–71, Dec 75

Therapist modification of client expressiveness in client-centered therapy. Wexler DA, et al.
J Consult Clin Psychol 44(2):261–5, Apr 76

Verbal coding and redintegrative memory for shapes. Santa JL. **J Exp Psychol [Hum Learn]** 104(3):286–94, May 75

Storage and retrieval properties of dual codes for pictures and words in recognition memory. Snodgrass JG, et al.
J Exp Psychol [Hum Learn] 1(5):521–9, Sep 75

Familiarity affects visual processing of words. Pollatsek A, et al. **J Exp Psychol [Hum Percept]** 1(4):328–38, Nov 75

Verbal-pictorial recoding in the elderly. Nebes RD.
J Gerontol 31(4):421–7, Jul 76

Establishing rapport. I. Verbal interaction. Jackson E.
J Oral Med 30(4):105–10, Oct–Dec 75

There is an alternative to the IQ. Allen RM.
J Pers Assess 39(4):377–80, Aug 75

Identifying emergent leaders from verbal and nonverbal communications. Stein RT. **J Pers Soc Psychol** 32(1):125–35, Jul 75

It's the staff that keeps the patients talking. Licker L, et al.
J Psychiatr Nurs 14(5):11–4, May 76

Control of screaming behavior using aversive conditioning and time-out. Matheson WE, et al. **J Psychiatr Nurs** 14(9):27–8, Sep 76

Linguistic nonimmediacy and self-presentation. Conville RL.
J Psychol 90(Second Half):219–27, Jul 75

The effects of instructions on self-disclosure. Fantasia SC, et al. **J Psychol** 91(Second Half):183–6, Nov 75

Gaze as a function of conversation and degree of love. Goldstein MA, et al. **J Psychol** 92(Second Half):227–234, Mar 76

Personality organization and language behavior: the imprint of psychological differentiation on language behavior in varying communication conditions. Steingart I, et al.
J Psycholinguist Res 4(3):241–55, Jul 75

Demand characteristics and disclosure reciprocity. Derlega VI, et al. **J Soc Psychol** 97(Second Half):301–2, Dec 75

Children's preparedness to learn high magnitude responses. Diener E, et al. **J Soc Psychol** 96(First Half):99–107, Jun 75

Personality, attraction, and social ambiguity. Johnson CD, et al. **J Soc Psychol** 97(Second Half):227–32, Dec 75

The cathartic value of self-expression: testing, catharsis, dissonance, and interference explanations. Kaplan RM.
J Soc Psychol 97(Second Half):196–208, Dec 75

An investigation of the word order parameter of a parent-child verbal interaction in a relatively free order language. Buium N. **Lang Speech** 17(2):182–6, Apr–Jun 74

Hesitations in maternal speech. Dale PS. **Lang Speech** 17(2):174–81, Apr–Jun 74

Elaborated speech and hesitation phenomena. Jones PA.
Lang Speech 17(2):199–203, Apr–Jun 74

A design for multivariate analysis of language behaviour and language development. Moerk EL. **Lang Speech** 17(3):240–54, Jul–Sep 74

Comparison of the factorial structure of oral coding patterns for a middle-class and a working-class group. Poole ME.
Lang Speech 17(3):222–39, Jul–Sep 74

Effects of physical stigmata and labels on judgments of subnormality by preservice teachers. Aloia GF.
Ment Retard 13(6):17–21, Dec 75

Dominant direction of conjugate lateral eye movements and responsiveness to facial and verbal cues. Crouch WW.
Percept Mot Skills 42(1):167–74, Feb 76

Comparative study of verbal originality in deaf and hearing children. Johnson RA, et al. **Percept Mot Skills** 40(2):631–5, Apr 75

Oral and visual presentation and production of original responses. Johnson RA, et al. **Percept Mot Skills** 41(1):165–6, Aug 75

Additional validity evidence on 'Something about Myself'. Kaltsounis B. **Percept Mot Skills** 43(1):222, Aug 76

Autonomy of imagery and production of original verbal images. Khatena J. **Percept Mot Skills** 43(1):245–6, Aug 76

Age, sex, and delay time as factors affecting reaction to delayed auditory feedback. Timmons BA, et al.
Percept Mot Skills 43(1):27–30, Aug 76

Self-disclosure in friendship. Walker LS, et al.

Percept Mot Skills 42(3):735–42, Jun 76

Relationship between WISC verbal–performance discrepancies and motor and psychomotor abilities of children with learning disabilities. Wener BD, et al. **Percept Mot Skills** 42(1):125–6, Feb 76

Implicit labelling and readiness for pronunciation during the perceptual process. Noizet G, et al. **Perception** 5(2):217–23, 1976

Presidential address: brain function, verbal behavior, and psychotherapy. Fink M. **Proc Am Psychopathol Assoc** (64):74–86, 1976

Spoken words in dreams a critique of the views of Otto Isakower. Fisher C. **Psychoanal Q** 45(1):100–9, Jan 76

Some characteristics of verbal behaviour in presenile dementia. Miller E, et al. **Psychol Med** 5(3):255–9, Aug 75

Psychobiology of partnership behaviour. Ploog D. **Psychol Med** 5(4):327–39, Nov 75

Specificity of patients requests in the initial interview. Eisenthal S, et al. **Psychol Rep** 38(3 pt. 1):739–48, Jun 76

Correlates of question–asking by emotionally disturbed and normal children. Ollendick TH, et al. **Psychol Rep** 38(3 pt. 1):923–9, Jun 76

Naturalistic analysis of verbal behavior in psychotherapy. Saccuzzo DP. **Psychol Rep** 37(3 Pt 1):911–9, Dec 75

Use of concrete reinforcement to control content of verbal initiations in group therapy with adolescents. Zweback S. **Psychol Rep** 38(3 Pt 2):1051–7, Jun 76

Baseline and feedback EEG correlates of interview behavior. Lewis CN, et al. **Psychophysiology** 13(4):302–6, Jul 76

Extraversion and pupillary response to affective and taboo words. Stelmack RM, et al. **Psychophysiology** 12(5):536–40, Sep 75

Visual imagery and verbalization with simple tachistoscopic displays. Grindley GC, et al. **Q J Exp Psychol** 25(3):300–8, Aug 73

Further evidence on the effect of word imageability in dyslexia. Richardson JT. **Q J Exp Psychol** 27(3):445–9, Aug 75

Interaction analysis of physical education classes. Nygaard G. **Res Q Am Assoc Health Phys Educ** 46(3):351–7, Oct 75

[Verbal comprehension in aphasic and in normal subjects with a shortened version of the token test (author's transl)] Renzi ED, et al. **Riv Patol Nerv Ment** 96(4):252–69, Jul–Aug 75 (Eng. Abstr.)

Banality reinvestigated: A computer–based content analysis of suicidal and forced death documents. Henken VJ. **Suicide** 6(1):36–43, Spring 76

[Speech behavior and neurotic personality structure. Is there a neuroses–specific communication behavior in the psychoanalytic situation] Goeppert S. **Confin Psychiatr** 18(1):30–41, 1975 (Eng. Abstr.) **(Ger)**

[Speech behavior and neurotic personality structure (author's transl)] Goeppert S. **Munch Med Wochenschr** 118(9):253–8, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[Janov's primal scream therapy] Zander E. **Nervenarzt** 46(6):328–31, Jun 75 **(Ger)**

[Effect of the factor 'frequency of words' on temporal and structural characteristics of speech reaction in patients with motor–efferent and motor–afferent aphasia] Ovtascharova P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(11):682–90, Nov 75 (Eng. Abstr.) **(Ger)**

[Voice development in children with the crying cat syndrome] Sedlackova E. **Otolaryngol Pol** 29(3):223–30, 1975 (Eng. Abstr.) **(Pol)**

[A correlation analysis of changes in the bioelectric activity of the brain in associative speech experiments] Bein ES, et al. **Zh Nevropatol Psikhiatr** 75(6):867–72, 1975 (Eng. Abstr.) **(Rus)**

[Linguistic features of the structure of verbal expression in emotional stress] Nosenko EL. **Zh Vyssh Nerv Deiat** 25(2):253–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[A reliable method of detecting the emotional state of a group of announcers by their speech] Simonov PV, et al. **Zh Vyssh Nerv Deiat** 26(1):196–9, Jan–Feb 76 **(Rus)**

DRUG EFFECTS

Proceedings: Acute effect of methaqualone (300 mg), glutethimide (250 mg) and cyclobarbital (200 mg) on verbal associations. Hrbek J, et al. **Act Nerv Super (Praha)** 17(4):238–40, 1975

Encoding and decoding of connected discourse during altered states of consciousness. Edwards D, et al. **J Psychol** 92(first half):97–102, Jan 76

Recovery of verbal short–term memory in alcoholics. Cermak LS, et al. **J Stud Alcohol** 37(1):46–52, Jan 76

PHYSIOLOGY

Hemispheric specialization in normal man studied by bilateral measurements of the regional cerebral blood flow. A study with the 133–Xe inhalation technique. Risberg J, et al. **Brain** 98(3):511–24, Sep 75

Right–hemispheric damage and verbal problem solving behavior. Caramazza A, et al. **Brain Lang** 3(1):41–6, Jan 76

On the representation of language in the right hemisphere of right–handed people. Moscovitch M. **Brain Lang** 3(1):47–71, Jan 76

Affectivity of task, rehearsal time, and physiological response. Baker WM, et al. **J Abnorm Psychol** 84(5):539–44, Oct 75

Conjugate lateral eye movements as an index of hemispheric activation. Gur RE. **J Pers Soc Psychol** 31(4):751–7, Apr 75

Material specific hemispherical arousal. Bowers D, et al. **Neuropsychologia** 14(1):123–7, 1976

The laterality effect in reaction time to speech stimuli. Catlin J, et al. **Neuropsychologia** 14(1):141–3, 1976

Unilateral cerebral activation and perception of gaps: a signal detection analysis. Gardner EB, et al. **Neuropsychologia** 14(1):43–53, 1976

Visual field effects and short–term memory for verbal material. Hannay HJ, et al. **Neuropsychologia** 14(2):203–9, 1976

Recognition of verbs, abstract nouns and concrete nouns from the left and right visual half–fields. Hines D. **Neuropsychologia** 14(2):211–6, 1976

Attentional mechanisms and perceptual asymmetries in tachistoscopic recognition of words and faces. Klein D. **Neuropsychologia** 14(1):55–66, 1976

Verbal and non–verbal memory components in the Token Test. Lesser R. **Neuropsychologia** 14(1):79–85, 1976

A comparison of laterality effects in dyslexics and controls using verbal dichotic listening tasks. Thomson ME. **Neuropsychologia** 14(2):243–6, 1976

What happens between an external stimulus and an overt response? A study of covert behavior. McGuigan FJ, et al. **Pavlov J Biol Sci** 10(2):112–9, Apr–Jun 75

Conjugate lateral eye movement and latency of verbal response to arithmetic questions. Croghan LM, et al. **Percept Mot Skills** 40(2):647–50, Apr 75

Lateral eye–shift related to preschoolers use of descriptive language. Schroeder N. **Percept Mot Skills** 42(3):865–6, Jun 76

Replication of 'speech fluency fluctuations during the menstrual cycle'. Silverman EM, et al. **Percept Mot Skills** 42(3):1004–6, Jun 76

[Spatial synchronization of cerebral cortical potentals at different levels of functioning of short–term verbal memory] Aminev GA, et al. **Zh Vyssh Nerv Deiat** 26(1):15–20, Jan–Feb 76 **(Rus)**

[Autonomic components of voluntary responses in children of different ages] Beliaeva ZV. **Zh Vyssh Nerv Deiat** 26(2):261–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Temporal changes in conscious and unconscious trace phenomena in six to seven–year–old children] Fedotchev AI. **Zh Vyssh Nerv Deiat** 25(6):1251–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[The effect of electric stimulation of several zones of the brain on verbal memory in humans] Grechin VB. **Zh Vyssh Nerv Deiat** 25(2):245–52, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Hemispheric interaction in man during perception of visual stimuli] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 25(5):899–907, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Hemispheric asymetry of the evoked electrical activity of the cerebral cortex to letter and non–verbal stimuli] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 26(1):21–9, Jan–Feb 76 **(Rus)**

[Reflection of verbal tasks on the electroencephalogram (interhemispheric asymmetry)] Serbinenko MV, et al. **Zh Vyssh Nerv Deiat** 26(1):207–9, Jan–Feb 76 **(Rus)**

[Correlation between conditioned motor and vascular reactions to verbal stimuli in the mentally ill] Zapotochnyĭ BA, et al. **Fiziol Zh** 21(6):749–54, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

VERBAL LEARNING

see related

LANGUAGE DISORDERS

Effects of auditory and pictorial–auditory stimulus enrichment on the verbal abstracting abilities of low–SES children. Call RJ, et al. **Am J Ment Defic** 80(3):256–65, Nov 75

Recognition and reproduction of words by Down's syndrome and non–Down's syndrome retarded children. Dodd B. **Am J Ment Defic** 80(3):306–11, Nov 75

Recognition memory in dementia. Whitehead A. **Br J Soc Clin Psychol** 14(2):191–4, Jun 75

Rehearsal strategies of alcoholic Korsakoff patients. Cermak LS, et al. **Brain Lang** 3(3):375–85, Jul 76

Lexical decisions in the right and left cerebral hemispheres. Leiber L. **Brain Lang** 3(3):443–50, Jul 76

Social class and preschool language skill: III. Semantic mastery of position information. Hunt JM, et al. **Genet Psychol Monogr** 91(Second Half):317–37, May 75

Social class and preschool language skill: II. semantic mastery of color information. Kirk GE, et al. **Genet Psychol Monogr** 91(Second Half):299–316, May 75

Social class and preschool language skill. I. Introduction. Kirk GE, et al. **Genet Psychol Monogr** 91(Second Half):281–98, May 75

Affective assessment, self–concept, and the verbal learning styles of fifth–grade children. August GJ, et al. **J Educ Psychol** 67(6):801–6, Dec 75

Recognition of previously labeled or unlabeled pictures by 5–year–olds and adults. Nelson KE, et al. **J Exp Child Psychol** 21(1):40–5, Feb 76

Recognition gradients for random shapes following distinctive or equivalent verbal association training. Daniel TC, et al. **J Exp Psychol [Hum Learn]** 2(4):467–74, Jul 76

Enduring visual memory despite forced verbal rehearsal. Parks TE, et al. **J Exp Psychol [Hum Learn]** 1(5):648–54, Sep 75

Verbal coding strategies used by hearing–impaired individuals. Moulton RD, et al. **J Speech Hear Res** 18(3):559–70, Sep 75

Storage, retention, and retrieval in Korsakoff's syndrome. Fuld PA. **Neuropsychologia** 14(2):225–36, 1976

Multiple measurement of anxiety and its effects on complex verbal learning. Salter CA, et al. **Psychol Rep** 38(3 pt. 1):691–4, Jun 76

Effects of REM time on what is recalled. Cartwright RD, et al. **Psychophysiology** 12(5):561–8, Sep 75

Perceptual distinctiveness and proactive interference in the primacy effect. Underwood G. **Q J Exp Psychol** 27(2):289–94, May 75

[Problems with the integration of foreign children in Swiss schools (author's transl)] Amstutz B. **Ther Umsch** 32(9):586–8, Sep 75 (Eng. Abstr.) **(Ger)**

[Problems of teachers with foreign–speaking children (author's transl)] Labhardt–Senn V. **Ther Umsch** 32(9):589–92, Sep 75 (Eng. Abstr.) **(Ger)**

[Language and social setting – experiment of an emancipatory language teaching (author's transl)] Wieler ER. **Ther Umsch** 32(9):593–8, Sep 75 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Intravenous l–DOPA plus carbidopa in depressed patients: average evoked response, learning, and behavioral changes. Henry GM, et al. **Psychosom Med** 38(2):95–105, Mar–Apr 76

PHYSIOLOGY

Changes in alpha rhythm asymmetry during learning of verbal and visuospatial tasks. Chartock HE, et al. **Physiol Behav** 15(2):237–9, Aug 75

VERMIFUGES see **ANTHELMINTICS**

VERNIX CASEOSA

ANALYSIS

[Analysis of the vernix in the amniotic fluid as a prognostic index of the weight of the newborn] Varela J, et al. **Rev Chil Obstet Ginecol** 39(2):49–51, 1974 **(Spa)**

METABOLISM

[Effect of the vernix caseosa content in the amniotic fluid on the actual pH–value of the amniotic fluid] Prott V, et al. **Zentralbl Gynaekol** 98(4):225–31, 1976 (Eng. Abstr.) **(Ger)**

VERRUGA PERUANA see **BARTONELLA INFECTIONS**

VERSENATE see **EDTA**

VERSION see under **DELIVERY**

VERTEBRAL ARTERY

Proceedings: Experiences with arteriovenous fistulae of the extracranial vertebral artery. Seljeskog EL, et al. **Acta Neurochir (Wien)** 31(3–4):270–1, 1975

The management of vertebral artery insufficiency in cervical spondylosis: a modified technique. Dan NG. **Aust NZ J Surg** 46(2):164–5, May 76

Vertebral artery occlusion and oral contraceptives. Ask–Upmark E, et al. **Br Med J** 1(6008):487–8, 28 Feb 76

Surgical management of vertebral–basilar insufficiency. Cormier JM, et al. **J Cardiovasc Surg (Torino)** 17(3):205–23, May–Jun 76

Vertebrobasilar artery insufficiency in rheumatoid atlantoaxial subluxation. Jones MW, et al. **J Neurol Neurosurg Psychiatry** 39(2):122–8, Feb 76

Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report. Sullivan HG, et al. **J Neurosurg** 43(5):618–22, Nov 75

Vertebral artery fistula detected by radionuclide angiography: case report. Rockett JF, et al. **J Nucl Med** 17(1):24–5, Jan 76

Lateral medullary syndrome in a child. Arteriographic confirmation of vertebral artery occlusion. Klein RA, et al. **JAMA** 235(9):940–1, 1 Mar 76

The eye in neurological and neurovascular disease: Part 2. Carotid and vertebrobasilar occlusive disease. Moore CE. **Med J Aust** 2(14):556–8, 4 Oct 75

The cervical locking mechanism. Its contribution to the cervical spine stability and to the vertebral artery and spinal cord safety. An anatomical study. Veleanu C. **Morphol Embryol (Bucur)** 21(1):3–7, 1975

Inflatable and released balloon technique experimentation in dog — application in man. Debrun G, et al. **Neuroradiology** 9(5):267–71, 15 Sep 75

Noninvasive angiography for the diagnosis of vertebral artery disease using Doppler ultrasound (vertebral artery Doppler). Keller HM, et al. **Stroke** 7(4):364–9, Jul–Aug 76

Vertebral arteriography and microsurgery in the management of dumbbell cervical neurinomas. Avman N, et al. **Surg Neurol** 4(3):327–9, Sep 75

[Saccular aneurysms of the vertebro–basilar system] Kunc Z. **Cesk Neurol Neurochir** 39(3):113–9, May 76 (Eng. Abstr.) **(Cze)**

[Fibromuscular dysplasias of the carotid and vertebral arteries. Apropos of 15 cases] Boudin G, et al.

Ann. Med Interne (Paris) 125(12):863–75, Dec 74 (Eng. Abstr.) (Fre)

[Vertebro-basilar insufficiency and the Doppler effect] Ardouin M, et al. **Bull Mem Soc Fr Ophtalmol** (87):197–203, 1976 (Fre)

[Betahistidine hydrochloride in the treatment of vertebro-basilar insufficiency] Botez MI. **Encephale** 1(3):279–86, 1975 (Eng. Abstr.) (Fre)

[Deafness and vertebrobasilar insufficiency] Decroix G, et al. **J Fr Otorhinolaryngol** 24(7):503–5, 508–9, Sep 75 (Fre)

[Letter: Bilateral stenosis of vertebral arteries after atloido-axoid dislocation. One case] Boudouresques J, et al. **Nouv Presse Med** 5(1):43, 3 Jan 76 (Fre)

[Hearing alterations in vertebro-basilar insufficiency (author's transl)] Decher H. **Laryngol Rhinol Otol (Stuttg)** 54(9):728–34, Sep 75 (Eng. Abstr.) (Ger)

[Causes for vertebrobasilar artery insufficiency and reasons for misinterpretations in angiography (author's transl)] Mathias K. **Radiologe** 16(5):193–9, May 76 (Eng. Abstr.) (Ger)

[A midline vertebral artery aneurysm operated via transoral transclival approach (author's transl)] Hashi K, et al. **Neurol Surg (Tokyo)** 4(2):183–9, Feb 76 (Eng. Abstr.) (Jpn)

[Transoral approach for the treatment of atlanto-axial dislocation with the Os odontoideum and obstruction of the bilateral vertebral arteries (author's transl)] Mitsumori K, et al. **Neurol Surg (Tokyo)** 3(7):585–91, Jul 75 (Eng. Abstr.) (Jpn)

[A case of arteriovenous communication between external and internal carotid arteries and the sinus after removal of the meningioma (author's transl)] Miura N, et al. **Neurol Surg (Tokyo)** 3(3):265–9, Mar 75 (Eng. Abstr.) (Jpn)

[State of vertebral arteries in experimental subluxations and dislocations of the cervical vertebrae] Durov MF. **Ortop Travmatol Protez** (6):70–3, Jun 75 (Rus)

[Cricopharyngolaryngeal syndrome as a form of dysphagia in disorders of cerebral circulation in the vertebral-basilar system] Lavrova SV. **Vestn Otorinolaringol** (4):62–4, Jul-Aug 75 (Eng. Abstr.) (Rus)

[Clinical characteristics of circulatory disorders in the vertebro-basilar system] Bakhur VT. **Zh Nevropatol Psikhiatr** 75(7):989–94, 1975 (Eng. Abstr.) (Rus)

ABNORMALITIES

Fenestration of the basilar and vertebral arteries. pp. 143–9. Kowada M, et al.
In: Kitamura K, et al., ed. Recent advances in diagnostic neuroradiology. Tokyo, Igaku Shoin, 1975. WL 141 S9892r 1973.

Persisting embryonal arterial communication between vertebral artery and subclavian vein. Case report. Kunc Z, et al. **J Neurosurg** 44(5):632–7, May 76

Persistent proatlantal artery with carotid-vertebral anastomosis. Case report. Rao TS, et al. **J Neurosurg** 43(4):499–501, Oct 75

Abnormal radionuclide angiogram in proven intracranial fibromuscular dysplasia: case report. Fitzer PM, et al. **J Nucl Med** 17(3):190–2, Mar 76

Rare carotid-vertebrobasilar anastomoses with notes on the differentiation between proatlantal and hypoglossal arteries. Anderson RA, et al. **Neuroradiology** 11(3):113–8, 16 Jul 76

Anomalous communication of the external carotid and vertebral arteries. Persistence of the proatlantal artery. Pinstein ML, et al. **Radiology** 118(3):626, Mar 76

[Indications and technics of reimplantations of left vertebral arteries stemming from the aortic arch] Faidutti M, et al. **Chirurgie** 101(1):27–34, 15–29 Jan 75 (Fre)

[Atypical termination of the vertebral artery and of the inferior posterior cerebellar artery (author's transl)] Distelmaier P, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(3):253–6, Mar 76 (Eng. Abstr.) (Ger)

[Origin of the left vertebral artery from the left external carotid artery (author's transl)] Huber G, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):63–6, Jul 76 (Eng. Abstr.) (Ger)

[Occlusion of the vertebro-basilar artery in a child] Sakata R, et al. **Clin Neurol (Tokyo)** 15(9):609–17, Sep 75 (Eng. Abstr.) (Jpn)

[Case report: Aneurysm of the Rt-vertebral artery which terminates as the Rt-posterior inferior cerebellar artery (author's transl] Imai T, et al. **Neurol Surg (Tokyo)** 3(4):343–6, Apr 75 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

The anatomy and radiology of the cervical vertebrae and the tortuous vertebral artery. Tulsi RS, et al. **Australas Radiol** 19(3):258–64, Sep 75

[A case of the A. Vertebralis sinistra direct arising from the arcus aorta (author's transl)] Suenaga Y, et al. **Hokkaido J Med Sci** 51(1):83–5, Jan 76 (Eng. Abstr.) (Jpn)

[Effect of longitudinal gravitational loads on the structure of the wall of the vertebral artery] Drozdova MM. **Arkh Anat Gistol Embriol** 69(10):87–90, Oct 75 (Eng. Abstr.) (Rus)

DRUG EFFECTS

[Different sensitivities of cerebral arterial systems to noradrenaline] Mirzoian RS. **Biull Eksp Biol Med** 81(1):47–9, Jan 76 (Eng. Abstr.) (Rus)

INJURIES

Traumatic vertebral artery aneurysm. Report of two cases. O'Connel JD, et al. **Br J Radiol** 48(572):670–3, Aug 75

Traumatic arteriovenous fistulas of the vertebral artery. Baleriaux-Waha D, et al. **Neuroradiology** 11(2):83–5, 31 May 76

Mechanisms in cerebral lesions in trauma to high cervical portion of the vertebral artery—rotation injury. Bladin PF, et al. **Proc Aust Assoc Neurol** 12:35–41, 1975

INNERVATION

The effect of stimulation of carotid sinus chemoreceptors on the activity of the sympathetic cardiac nerve and vertebral nerve. Szulczyk P, et al. **Acta Physiol Pol** 26(5):441–50, Sep-Oct 75

PATHOLOGY

[Intracerebral hemorrhages with lesions of the extracranial portions of the carotid and vertebral arteries and arteries of the base of the brain] Chebotareva NM, et al. **Zh Nevropatol Psikhiatr** 75(8):1131–8, 1975 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Distribution of the blood flow supplied by the vertebral artery in rats: anatomical, functional and pharmacological aspects. Wellens D, et al. **Experientia** 32(1):85–7, 15 Jan 76

PHYSIOPATHOLOGY

Ultrasonic blood rheography in vertebral artery of vertigo patients (Doppler method)—with the glass model experiments. Matsunaga T, et al. **Med J Osaka Univ** 25(1–2):43–56, Dec 74

Rotational obstructions of the vertebral artery at the atlantoaxial joint. Barton JW, et al. **Neuroradiology** 9(3):117–20, 7 Aug 75

The influence of arm ischaemia and arm hyperaemia on subclavian and vertebral artery blood flow in patients with occlusive disease of the subclavian artery and the brachiocephalic trunk. A peroperative study. Magaard F, et al. **Scand J Thorac Cardiovasc Surg** 9(3):240–9, 1975

[Electroencephalographic findings in vertebro-basilar circulation disorders] Mintschev D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(8):470–6, Aug 75 (Eng. Abstr.) (Ger)

[Phenomenon of vibration output as a diagnostic test in vertebrogenic syndrome of the vetebral artery] Popelianskiĭ AIa. **Klin Med (Mosk)** 53(9):66–8, Sep 75 (Rus)

[Vascular vertebral-basilar insufficiency in patients with general hemodynamic disorders] Orekhov EG, et al. **Voen Med Zh** (3):36–8, Mar 76 (Rus)

RADIOGRAPHY

Angiography of high cervical extramedullary tumours. Spiegel PK, et al. **Clin Radiol** 26(3):385–8, Jul 75

Angiotomographic study of the normal cerebral circulation. II. The vertebrobasilar system. Rosa M. **Neuroradiology** 10(5):243–9, 1976

Long segment stenotic lesions of cervical arteries in cerebrovascular disease. Bladin PF. **Proc Aust Assoc Neurol** 11:13–25, 1974

Regional cerebral blood flow and vertebral angiography at rest and in connection with arm work in patients with the 'subclavian steal phenomenon'. Magaard F, et al. **Scand J Thorac Cardiovasc Surg** 10(1):96–111, 1976

[The importance of vetebral arteriography in relation to expansions in the thalamic and pineal areas (author's transl)] Cernoch Z, et al. **Cesk Radiol** 29(5):289–95, Sep 75 (Eng. Abstr.) (Cze)

[Value of vertebral angiogaphy in acoustic neurinomas] Badia OT, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:647–8, 1975 (Fre)

[Angiotomography and arteriovenous vertebral fistulae] Bonneville JF, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:12, 1975 (Fre)

[Angiotomography of the vertebro-basilar circulation. Normal anatomy] Rosa M, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:4–5, 1975 (Fre)

[Myelomalacia following vertebral angiography with a femoral catheter (author's transl)] Seitz D, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(1):59–62, Jul 76 (Eng. Abstr.) (Ger)

[The cervical collateral network in subclavian steal syndrome and block of the vertebral artery (author's transl)] Heber R. **Roentgenblaetter** 28(12):599–602, Dec 75 (Eng. Abstr.) (Ger)

[Korsakoff's syndrome and transitory cortical blindness following vetebral angiography] de Tribolet N, et al. **Schweiz Med Wochenschr** 105(45):1506–9, 8 Nov 75 (Eng. Abstr.) (Ger)

[The diagnosis of subtentorial tumours by vertebral angiography (author's transl)] Marvan P, et al. **Wien Klin Wochenschr** 87(7):235–48, 4 Apr 75 (Eng. Abstr.) (Ger)

[Facial hemispasm and anomalies of the terminal portion of the vertebral artery (author's transl)] Carella A, et al. **Riv Patol Nerv Ment** 96(2):87–94, Mar-Apr 75 (Eng. Abstr.) (Ita)

[Diagnosis of supratentorial tumors by vertebral angiography (author's transl)] Takahashi M. **Neurol Surg (Tokyo)** 3(3):193–203, Mar 75 (47 ref.) (Jpn)

SURGERY

Operative treatment of atherosclerotic lesions in innominate, subclavian and vertebral arteries. A follow-up study. Luosto R, et al. **Ann Chir Gynaecol** 65(2):153–7, 1976

Vertebral artery bypass. Berguer R, et al. **Arch Surg** 111(9):976–9, Sep 76

Surgical management of vertebral-basilar insufficiency. Cromier JM, et al. **Int Surg** 61(4):203–12, Apr 76

Thyrocervical vertebral artery anastomosis an experimental evaluation. Raju S, et al. **J Surg Res** 19(3):219–24, Sep 75

Suboccipital false aneurysm : treated with ligation of both vertebral arteries. Bagchi AK, et al. **Neurol India** 23(2):100–4, Jun 75

Surgical treatment of partial extraluminal occlusion of the vertebral artery. Hurvitz SA. **Surg Gynecol Obstet** 143(2):257–62, Aug 76

VERTEBRATE VIRUSES

Endogenous viruses in primary rhesus kidney cultures. Arya SC. **Indian J Med Res** 63(9):1238–41, Sep 75

[Interaction of vertebrate viruses and insect nuclear polyhedrosis viruses with transplantable diploid embryonal drosophila cells] Fedorova GI, et al. **Tsitol Genet** 8(5):396–9, Sep-Oct 74 (Eng. Abstr.) (Rus)

ANALYSIS

[Lipid composition of cellular systems following viral infection of the upper respiratory tract. II. Determination of the content of total lipids, phospholipids and neutral lipids in cells infected with respiratory viruses] Mentel R, et al. **Vopr Virusol** (2):224–6, Mar-Apr 75 (Rus)

[Lipid composition of cellular systems following respiratory virus infection. III. Determination of fatty acid composition by gas chromatography] Müller D, et al. **Vopr Virusol** (2):227–30, Mar-Apr 75 (Rus)

CLASSIFICATION

Cytopathology in viral diseases. Addendum: taxonomy of viruses. Melnick JL. **Monogr Virol** 10:225–35, 1975

Taxonomy of viruses, 1975. Melnick JL. **Prog Med Virol** 20:208–11, 1975

[Zoopathogenic arboviruses, their systematics and ecology] Makarov VV, et al. **Veterinariia** (11):39–41, Nov 75 (Rus)

DRUG EFFECTS

[Disinfection effect of benzylpenols on viruses (author'ss transl)] Bydžovská O. **Cesk Epidemiol Mikrobiol Imunol** 24(5):304–9, Sep 75 (Eng. Abstr.) (Cze)

[Sensitivity of various primate cells and animal viruses to the antiviral activity of human leukocyte interferon (author's transl)] Hilfenhaus J, et al. **Arch Virol** 48(3):203–11, 1975 (Eng. Abstr.) (Ger)

ENZYMOLOGY

[Virion enzymes of vertebrate viruses] Gendon IuZ. **Vopr Virusol** (4):387–97, Jul-Aug 75 (Rus)

GROWTH & DEVELOPMENT

Inhibition of the multiplication of enveloped viruses by glucose derivatives. Scholtissek C. **Curr Top Microbiol Immunol** 70:101–19, 1975 (51 ref.)

Responses of isolator-derived Japanese quail and quail cell cultures to selected animal viruses. Farrow WM, et al. **J Clin Microbiol** 2(5):419–24, Nov 75

Experiments in Border disease. VIII. Propagation and properties of a cytopathic virus. Vantsis JT, et al. **J Comp Pathol** 86(1):111–20, Jan 76

IMMUNOLOGY

Mechanisms of immunodepression induced by viruses: possible role of infected macrophages. Virelizier JL. **Biomedicine** 22(4):255–61, Jul 75 (60 ref.)

[Immunodepressive properties of viruses] Ancheva MN, et al. **Vopr Virusol** (2):132–8, Mar-Apr 75 (91 ref.) (Rus)

ISOLATION & PURIFICATION

Selection of cell culture systems for virus isolation. Cooney MK. **Am J Med Technol** 42(5):158–65, May 76

Evidence for an infectious etiology of rheumatoid arthritis. Hamerman D. **Ann NY Acad Sci** 256:25–38, 13 Jun 75 (125 ref.)

Detection of bovine viruses in fetal bovine serum used in cell culture. Kniazeff AJ, et al. **In Vitro** 11(6):400–3, Nov-Dec 75

Use of gum tragacanth overlay, applied at room temperature, in the plaque assay of fish and other animal viruses. Dobos P. **J Clin Microbiol** 3(3):373–5, Mar 76

Procedure for fluorescent-antibody staining of virus-infected cell cultures in plastic plates. Pursell AR, et al. **J Clin Microbiol** 3(5):537–40, May 76

Characterization of Whitney's Clethrionomy gapperi virus

isolates from Massachusetts. Main AJ, et al. **J Wildl Dis** 12(2):154–64, Apr 76

A small virus-like agent found in association with multiple sclerosis material. Carp RI, et al. **Neurology (Minneap)** 26(6 PT 2):70–1, Jun 76

An attempt to isolate viruses from multiple sclerosis and neuro-Behcet disease in Japan. Ikuta F, et al. **Neurology (Minneap)** 26(6 PT 2):75–6, Jun 76

Multiple sclerosis: attempts to demonstrate altered immune responses and viruses. Sever JL, et al. **Neurology (Minneap)** 26(6 PT 2):72–4, Jun 76

[Morphologic changes in the chorio-allantoic membrane and organs of chick embryos inoculated with blood of patients with systemic lupus erythematosus (concerning the viral etiology of systemic lupus erythematosus)] Gritsman NN, et al. **Arkh Patol** 37(9):30–7, 1975 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Theoretical aspects of structure and assembly of viral envelops. Blough HA, et al. **Curr Top Microbiol Immunol** 70:1–30, 1975 (161 ref.)

The virus of epidermodysplasia verruciformis: electron microscopic and fluorescent antibody studies. Yabe Y, et al. **J Invest Dermatol** 65(3):324–30, Sep 75

[Some problems in the molecular biology of animal viruses] Siurin VN. **Veterinariia** (1):40–3, Jan 76

VERTEBRATE VIRUSES, UNCLASSIFIED

Editorial: Virus of infantile gastroenteritis. **Br Med J** 3(5983):555–6, 6 Sep 75

Purification and structure of aleutian disease virus. Cho HJ. **Front Biol** 44:159–74, 1976 (36 ref.)

The subacute spongiform encephalopathies. Marsh RF. **Front Biol** 44:359–80, 1976 (91 ref.)

Purification and preliminary characterization of infantile gastroenteritis virus (orbivirus group). Petric M, et al. **Intervirology** 5(3–4):233–8, 1975

Biochemical and biophysical characteristics of diarrhea viruses of human and calf origin. Rodger SM, et al. **J Virol** 16(5):1229–35, Nov 75

Transmissible mink encephalopathy. Reduced spongiform degeneration in aged mink of the Chediak-Higashi genotype. Marsh RF, et al. **Lab Invest** 34(4):381–6, Apr 76

Recent data on the properties of the viruses of kuru and transmissible virus dementias. Gajdusek DC, et al. **Papua New Guinea Med J** 18(4):207–13, Dec 75

Buoyant density in cesium chloride of the human reoviruslike agent of infantile gastroenteritis by ultracentrifugation, electron microscopy, and complement fixation. Kapikian AZ, et al. **Virology** 70(2):564–9, Apr 76

ANALYSIS

Characteristics of the genome of human infantile enteritis virus (Rotavirus). Schnagl RD, et al. **J Virol** 19(1):267–70, Jul 76

IMMUNOLOGY

The influence of genotype on the development of glomerular lesions in mink with Aleutian disease virus. Johnson MI, et al. **Am J Pathol** 81(2):321–36, Nov 75

Aleutian disease of mink: the antibody response of sapphire and pastel mink to Aleutian disease virus. Bloom ME, et al. **J Immunol** 115(4):1034–7, Oct 75

Characterisation of Aleutian disease antigens. Notani GW, et al. **Nature** 261(5555):56–8, 6 May 76

ISOLATION & PURIFICATION

Letter: Virus of infantile gastroenteritis in argentina. Lombardi GH, et al. **Lancet** 2(7948):1311, 27 Dec 75

Letter: Survival of Creutzfeldt-Jakob-disease virus in formol-fixed brain tissue. Gajdusek DC, et al. **N Engl J Med** 294(10):553, 4 Mar 76

[Aleutian disease of mink (author's transl)] Motohashi T. **Virus (Tokyo)** 25(1–2):1–6, Sep 75 (80 ref.) **(Jpn)**

PATHOGENICITY

Induction of diarrhea in colostrum-deprived newborn rhesus monkeys with the human reovirus-like agent of infantile gastroenteritis. Wyatt RG, et al. **Arch Virol** 50(1–2):17–27, 1976

ULTRASTRUCTURE

Ultrastructure of infantile gastroenteritis virus. Martin ML, et al. **Virology** 68(1):146–53, Nov 75

[Ultrastructural aspects of bovine papulous stomatitis virus replicated in cell cultures] Mandelli G, et al. **Boll Ist Sieroter Milan** 54(4):278–86, 20 Oct 75 **(Ita)**

VERTEBRATES

Evolutionary aspects of a conformationally flexible region in the ribosomes of higher vertebrates. Sjöqvist A, et al. **Comp Biochem Physiol [B]** 52(2):277–82, 15 Oct 75

Changes in size and secondary structure of the ribosomal transcription unit during vertebrate evolution. Schibler U, et al. **J Mol Biol** 94(3):503–17, 25 May 75

Evolution of the haem-haem interaction in vertebrate haemoglobins – a hypothesis. Vuk Pavlović S. **J Mol Evol** 6(3):209–14, 4 Nov 75

The distribution of choline acetyltransferase activity in vertebrate retina. Ross CD, et al. **J Neurochem** 26(3):521–6, Mar 76

Terrestrial vertebrates of the New Hebrides: origin and distribution. Medway L, et al. **Philos Trans R Soc Lond [Biol]** 272(918):423–65, 13 Nov 75

[Immunofluorescence demonstration and distribution of somatostatin (SRIF) in the median eminence of vertebrates (mammals, birds, amphibia, fishes)] Dubois MP, et al. **C R Acad Sci [D] (Paris)** 279(25):1899–902, 16 Dec 74 **(Fre)**

[Ontogenesis of the endocardial cushions in the vertebrate heart. An experimental- and comparative embryological study (author's transl)] Heine H. **Anat Embryol (Berl)** 147(1):63–74, 9 Jun 75 (Eng. Abstr.) **(Ger)**

[A brief outline of the evolution of lymphoid tissue and its immunocellular reactivity in vertebrates] Pestova IM. **Arkh Anat Gistol Embriol** 70(3):26–38, Mar 76 (Eng. Abstr.) **(Rus)**

[Problems of biological coordination and some aspects of the ecological morphology of vertebrates] Poznanin LP. **Zh Obshch Biol** 28(1):87–102, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Inverse prominence of ependyma and capillaries in the spinal cord of vertebrates: a comparative histochemical study. Sarnat HB, et al. **Am J Anat** 143(4):439–50, Aug 75

The structure of synapses 'en plaque' /EP/ in the striated muscles of the tongue of vertebrates. Bigaj J. **Ann Med Sect Pol Acad Sci** 21(1–2):21–2, 1976

The neuroanatomy of sex hormone receptors in the vertebrate brain. pp. 30–45. Pfaff DW. **In: Anand Kumar TC, ed. Neuroendocrine regulation of fertility. Basel, Karger, 1976. WQ 205 16167n 1974.**

[Myeloid bodies of the retinal pigment epithelium in vertebrates] Nguyen-Legros J. **Arch Ophtalmol (Paris)** 35(10):759–84, Oct 75 (Eng. Abstr.) **(Fre)**

[Types of the secretory cells in the pancreatic islands of some vertebrates] Puzyrev AA. **Arkh Anat Gistol Embriol** 69(9):73–7, Sep 75 (Eng. Abstr.) **(Rus)**

[Stable cytological and histological traits and their significance in analyzing problems of the phylogeny and systematics of vertebrates] Grigor'ev NI. **Usp Sovrem Biol** 79(2):302–10, Mar–Apr 75 **(Rus)**

[Structural organization of nephrons in the kideny and proximal reabsorption in representatives of different vertebrate classes (according to microdissection and micropuncture studies)] Goncharevskaia OA. **Zh Evol Biokhim Fiziol** 12(2):113–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

BLOOD

Hemoglobin function in the vertebrates: an evolutionary model. Coates ML. **J Mol Evol** 6(4):285–307, 29 Dec 75 (97 ref.)

Hemostasis in animals other than mammals: the role of cells. Belamarich FA. **Prog Hemostasis Thromb** 3:191–209, 1976 (91 ref.)

[A comparative electron microscopic study of the peripheral blood leukocytes of vertebrates] Khamidov DKh, et al. **Arkh Anat Gistol Embriol** 69(7):76–83, Jun 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Relationship between structure and function of lower vertebrate immunoglobulins. Litman GW. **Adv Exp Med Biol** 64:217–28, 1975

METABOLISM

The content of citrate in resting muscles from vertebrates and invertebrates. Beis ID. **Experientia** 32(2):191–2, 15 Feb 76

[Pesticide residues in free-living animals as indicators of environmental pollution] pp. 271–9. Brüggemann J, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

[Chlorinated hydrocarbon residues in the organs of free-living animal species] pp. 281–300. Brüggemann J, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

[Results of protracted research on substances inhibiting bacterial growth in domestic animals] pp. 529–35. Zettl K, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

[Histochemical characteristics of the lingual salivary glands of several classes of vertebrates] Shevliuk NN. **Arkh Anat Gistol Embriol** 70(3):58–62, Mar 76 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Oncogenic viruses in vertebrates transmitted by hematophagous arthropods. Rehacek J, et al. **Adv Virus Res** 20:159–88, 1976 (117 ref.)

PARASITOLOGY

The activation of infective stages of endoparasites of vertebrates. Lackie AM. **Biol Rev** 50(3):285–323, Aug 75 (390 ref.)

PHYSIOLOGY

Letter: Longevity in vertebrates: a further comment. Sacher GA. **Fed Proc** 35(5):1112–3, Apr 76

Electronic simulation of the vertebrate retina. Eckmiller R. **IEEE Trans Biomed Eng** 22(4):305–11, Jul 75

Structure and mechanism of the vertebrate visual system. pp. 1–25. Bonting SL. **In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975.** (37 ref.)

Comparative study of metabolism, function and ultrastructure of the vertebrate kidney. p. 182. Natochin YuV. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Comparative electrocardiographical studies on the wave form of QRS complex in vertebrates. Sawazaki H, et al. **Jpn J Vet Sci** 38(03):235–40, Jun 76

[Basic differences in functional organization of the visual system in extreme representatives of evolutionary lines of vertebrates] Glezer VD. **Zh Evol Biokhim Fiziol** 11(5):474–8, Sep–Oct 75 (23 ref.) **(Rus)**

VERTICAL DIMENSION

Vertical control: a multifactorial problem and its clinical implications. Spyropoulos MN, et al. **Am J Orthod** 70(1):70–80, Jul 76

A twin study of dental dimension. I. Discordance, asymmetry, and mirror imagery. Potter RH, et al. **Am J Phys Anthropol** 44(3):391–5, May 76

A twin study of dental dimension. II. Independent genetic determinants. Potter RH, et al. **Am J Phys Anthropol** 44(3):397–412, May 76

Telemetry and the study of vertical jaw relations. Griffiths MJ. **J Dent** 3(6):261–6, Nov 75

Vertical relationships of edentulous jaws during swallowing. Laird WR. **J Dent** 4(1):5–10, Jan 76

An adhesive technique as an adjunctive phase in the treatment of patients with decreased intermaxillary space and advanced attrition. Woolridge ED, et al. **NY State Dent J** 42(5):280–4, May 76

An intra-oral telemetry system for the continuous recording of vertical jaw movement. Dibdin GH, et al. **Phys Med Biol** 20(3):355–65, May 75

On the reduction of vertical overbite in the incisor region. Effect of a bite plane in rats. Pautola A. **Proc Finn Dent Soc** 71(4):121–31, Aug 75

Reduction of vertical overbite in the incisor region effect of a bite plane on alveolar arches in dogs. Pautola A. **Proc Finn Dent Soc** 71(4):116–20, Aug 75

Postural position of the manible with special reference to instruction, head fixation and relaxation. I. Significance of instruction. Eliasson S. **Sven Tandlak Tidskr** 68(3):95–105, 1975

Retroposition of the mandible in complete denture wearers. Ostlund SG, et al. **Sven Tandlak Tidskr** 69(3):79–84, 1976

[Reduction of skeletal vertical relations using a modified minerva] Crouch GB. **Orthod Fr** 46:129–31, 1975 **(Fre)**

[Relation between vertical facial growth and orthodontic tooth extraction] Sartori H. **Orthod Fr** 46:211–8, 1975 (Eng. Abstr.) **(Fre)**

[Cephalometric study of the vertical dimension of cases of class II, division I malocclusion, demonstrating a strong incisor supraclusion and treated by the Bimler therapeutic method] Stromboni Y, et al. **Orthod Fr** 44(2):129–38, 1973 (Eng. Abstr.) **(Fre)**

[Studies on the reconstruction of the intermaxillary distance by means of a central supporting pin] Jüde HD, et al. **Dtsch Zahnaerztl Z** 31(9):739–41, Sep 76 **(Ger)**

[Correction of the vertical dimension based on extraoral measurements] Hennicke A. **ZWR** 85(5):211–7, 10 Mar 76 **(Ger)**

[Methods of evaluating vertical dimension] Chiru-Mocanu M, et al. **Rev Chir [Stomatol]** 22(2):111–7, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Clinical observations on patients with immediate dental prostheses, with reference to the resting position of the mandible and the minimal space for speaking] Rîndaşu I, et al. **Rev Chir [Stomatol]** 22(3):201–2, Jul–Sep 75 **(Rum)**

[Dynamics and reconstruction of the masticatory apparatus after raising the bite] Sukharev GT. **Stomatologiia (Mosk)** 54(4):56–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

VERTICILLIUM see under **MONILIALES**

VERTIGO

Dizziness in the elderly. pp. 201–17. Toglia JU. **In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974.**

Acute transient monocular disequilibrium (Halpern's syndrome). Feinsod M, et al. **Isr J Med Sci** 11(8):829–31, Aug 75

The management of vertigo. Eadie MJ. **Med J Aust** 2(4):135–6, 26 Jul 75

[Vertigo] Jongkees LB. **Verh K Acad Geneeskd Belg**

37(5–6):251–9, 1975 (Dut)
[Central vestibular syndromes] Greiner GF, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):38–47, 1975 (Fre)
[Paroxysmal postural vertigo and nystagmus. Diagnosis and treatment. 60 cases] Michel J, et al. **J Fr Otorhinolaryngol** 24(9):713–6, 718, 721–2, Nov 75 (Fre)
[Lesions of the vertical and horizontal systems in the optokinetic vestibular system] Sakata E, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):107–13, 1975 (Eng. Abstr.) (Ger)
[Vertigo in the aged] Morimatsu M, et al. **Jpn J Geriatr** 12(6):405–13, Nov 75 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

Cochleovestibular disturbances in alkylphosphate–intoxication, as shown in animal experiments and clinical observations. Hülse M, et al. **Int Arch Occup Environ Health** 35(2):133–44, 14 Aug 75
Studies of immediate adverse reactions to different doses of a slow–release preparation of isoniazid. Parthasarathy R, et al. **Tubercle** 57(2):115–21, Jun 76
[Occurrence of Equilibrium disorders during treatment with vasodilator agents. Perhixiline maleate] Theron H, et al. **J Fr Otorhinolaryngol** 24(4):341–4, Apr 75 (Fre)
[Disturbance of equilibrium due to poisoning with organophosphate pesticides (author's transl)] Hülse M, et al. **HNO** 23(6):185–9, Jun 75 (Eng. Abstr.) (Ger)
[Vertigo in women using hormonal contraceptives] Janczewski G, et al. **Otolaryngol Pol** 30(1):29–32, 1976 (Eng. Abstr.) (Pol)

CLASSIFICATION

[Current state of the problem of vertigo] Kalinovskaia IIa. **Zh Nevropatol Psikhiatr** 76(5):681–7, 1976 (Eng. Abstr.) (Rus)

DIAGNOSIS

Caloric–eye tracking pattern test: I. Visual suppression and the possibility of simplified differential diagnosis between peripheral and central vertigo. Sakata E, et al. **Ann Otol Rhinol Laryngol** 85(2 pt.1):261–7, Mar–Apr 76
The problem of dizziness and syncope in old age: transient ischemic attacks versus hypersensitive carotid sinus reflex. Uesu CT, et al. **J Am Geriatr Soc** 24(3):126–35, Mar 76
Ultrasonic blood rheography in vertebral artery of vertigo patients (Doppler method)—with the glass model experiments. Matsunaga T, et al. **Med J Osaka Univ** 25(1–2):43–56, Dec 74
A new look at ENG in vestibular evaluations. Rubin W. **Med Times** 104(1):142–52, Jan 76
[Syndrome of the so–called benign seizure–like vertigo in childhood] Lehovský M, et al. **Cesk Pediatr** 30(5):205–7, May 75 (Eng. Abstr.) (Cze)
[A case of Lermoyez's vertigo] Stipon, et al. **J Fr Otorhinolaryngol** 24(8):637–8, Oct 75 (Fre)
[Optico–vestibular motion disease, altitude vertigo and clinical forms of vertigo] Brandt T. **Fortschr Med** 94(20–21):1177–82, 15 July 76 (Ger)
[Differential diagnosis of vertigo] Reisner H. **Med Welt** 27(23):1140–4, 4 Jun 76 (Ger)

DRUG THERAPY

Lumbomuscular proprioceptive reflexes in body equilibrium. Hinoki M, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):197–210, 1975
[Treatment of post–traumatic 'vertigo' accompanied by simple cerebellar ataxia. Efficacy of procainization of lumbar erector muscles] Ushio N. **Acta Otolaryngol [Suppl] (Stockh)** (330):129–43, 1975 (Fre)
[Modified swing test in rabbits. Application to the study of an antivertigo drug] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):540–52, 1975 (Fre)
[Modification of nystagmus through the effect of drugs. Apropos of a double–blind study] Norré ME. **Acta Otorhinolaryngol Belg** 29(1):125–6, 1975 (Fre)
[Betahistidine hydrochloride in the treatment of vertebro–basilar insufficiency] Botez MI. **Encephale** 1(3):279–86, 1975 (Eng. Abstr.) (Fre)
[Experiences with Vertigo–Vomex retard in the treatment of vertigo and tinnitus] Wilms R. **Med Welt** 26(16):785–7, 18 Apr 75 (Ger)
[The regional blood flow of brainstem and effect of anti–vertigo drugs (author's transl)] Sano M, et al. **J Otolaryngol Jpn** 78(12):1278–85, 20 Dec 75 (Eng. Abstr.) (Jpn)
[Editorial: Drug treatment of vertigo] Nyberg–Hansen R. **Tidsskr Nor Laegeforen** 95(33):1927–8, 30 Nov 75 (Nor)

ETIOLOGY

A stabilographic study of the role of optic stimuli in maintaining the postural position in patients suffering from postconcussional dizziness. De Wit G, et al. **Agressologie** 16 Spec No D:9–14, 1975
Positional vertigo. Harrison MS, et al. **Arch Otolaryngol** 101(11):675–8, Nov 75
Reversible sudden deafness and vertigo. Balkany TJ, et al. **Eye Ear Nose Throat Mon** 55(5):148–51, May 76
Vertigo and acoustic tumors. pp 351–70. Graham MD, et al. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**
A forgotten cause of vertigo. Head PW. **J R Nav Med Serv** 61(2):80–2, Summer 75
Vertigo. Aziz H. **JPMA** 25(5):111–2, May 75
Vertigo. Aziz H. **JPMA** 25(5):111–2, May 75
Unilateral deafness with subsequent vertigo. Wolfson RJ, et al. **Laryngoscope** 85(10):1762–6, Oct 75
Vertigo in children. Busis SN. **Pediatr Ann** 5(8):478–81, Aug 76
Evaluating the patient with dizziness: localizing lesions. Neely JG. **Tex Med** 72(8):59–67, Aug 76
Microfilariae in the cerebrospinal fluid, and neurological complications, during treatment of onchocerciasis with diethylcarbamazine. Duke BO, et al. **Tropenmed Parasitol** 27(2):123–32, Jun 76
Disorientation with middle ear barotrauma of descent. Edmonds C, et al. **Undersea Biomed Res** 2(4):311–4, Dec 75
[Temporal epilepsy and paroxysmal vertigo of the early childhood] Nikolić B, et al. **Neuropsihijatrija** 22(1–4):77–84, 1974 (Eng. Abstr.) (Cro)
[Vertigo due to the blood supply of the central nervous system] Kolomazník L. **Cesk Otolaryngol** 25(1):57–60, Feb 76 (Eng. Abstr.) (Cze)
[Clinical study of disorders of p stural equilibrium in 40 patients with neck or head and neck injuries presenting with subjective syndrome] Boquet J, et al. **Agressologie** 16 Spec No D:65–9, 1975 (Eng. Abstr.) (Fre)
[Possible role of the cerebellum in the formation of injury vertigo of lumbar origin] Ushio N. **Agressologie** 15(5):343–52, 1974 (Eng. Abstr.) (Fre)
[Dizzyness in old age from the internist's viewpoint] pp. 138–48. Gsell O. **In: Doberauer W, ed. Scriptum geriatricum. München, Urban & Schwarzenberg, 1975. W3 IN973 1974s.** (Ger)
[Dizzyness in old age from the otologist's viewpoint] pp. 149–56. Mortisch E. **In: Doberauer W, ed. Scriptum geriatricum. München, Urban & Schwarzenberg, 1975. W3 IN973 1974s.** (Ger)
[Dizzyness in old age from the orthopedist's viewpoint] pp. 157–8. Tilscher H. **In: Doberauer W, ed. Scriptum geriatricum. München, Urban & Schwarzenberg, 1975. W3 IN973 1974s.** (Ger)
[The caloric eye tracking pattern test (CETP–test). I. Simplified differential diagnosis between peripheral and central vertigo (author's transl)] Sakata E, et al. **J Otolaryngol Jpn** 78(7):611–22, 20 Jul 75 (Eng. Abstr.) (Jpn)

OCCURRENCE

Alternobaric vertigo and hearing disturbances in connection with diving: an epidemiologic study. Lundgren CE, et al. **Undersea Biomed Res** 1(3):251–8, Sep 74

PATHOLOGY

Electron microscopic observations of the utricle and ampullae in a case of dizziness of suspected saccular origin. Ishii T, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):100–6, 1975

PHYSIOPATHOLOGY

Neurotological studies on the role of the sympathetic nervous system in the formation of traumatic vertigo of cervical origin. Hinoki M, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):185–96, 1975
Function of the eustachian tubes in divers with a history of alternobaric vertigo. Tjernström O. **Undersea Biomed Res** 1(4):343–51, Dec 74
[The direction of positional nystagmus in vertiginous diseases] Capella G, et al. **Acta Otorhinolaryngol Belg** 29(1):173–81, 1975 (Fre)
[Disturbance of tonic postural activity of oculomotor origins due to head injury. Neuro–ophthalmological and pharmacological aspects] Baron JB, et al. **Agressologie** 16 Spec No D:53–64, 1975 (Eng. Abstr.) (Fre)
[Clinical study on the righting responses—observation of the acceleration registrogram (author's transl)] Ishihara K. **J Otolaryngol Jpn** 78(5):412–29, 20 May 75 (Eng. Abstr.) (Jpn)

REHABILITATION

[Technics of postoperative rehabilitation after vestibular neurectomy and examples of their use] Semon A. **Probl Actuels Otorhinolaryngol** :115–8, 1973 (Fre)

SURGERY

Surgical treatment for vertigo—sound or fury? Gardner G. **J Miss State Med Assoc** 17(1):1–4, Jan 76

THERAPY

Hypnotic treatment of headache and vertigo in skull injured patients. Cedercreutz C, et al. **Int J Clin Exp Hypn** 24(3):195–201, Jul 76
Cryo–labyrinthectomy for post–mastoidectomy vertigo. Bajwa R. **J Laryngol Otol** 89(9):977–9, Sep 75
Treatment of vertigo. Dix MR. **Physiotherapy** 60(12):380–4, Dec 74

VERTIGO, AURAL see **MENIERE'S DISEASE**

VERY LOW DENSITY LIPOPROTEINS see **LIPOPROTEINS, VLDL**

VESICAL FISTULA see **BLADDER FISTULA**

VESICANTS see under **IRRITANTS**

VESICATION see **BLISTER**

VESICO–URETERAL REFLUX

Bacteriuria, reflux, and renal scarring. Smellie JM, et al. **Arch Dis Child** 50(8):581–5, Aug 75
Re–implantation of the ureter. Clark P, et al. **Br J Urol** 48(1):31–7, Feb 76
Vesico–ureteric reflux. Little PJ. **Med J Aust** 1(18):659–61, 1 May 76
Clinical and experimental studies on vesico–ureteric reflux. Helin I. **Scand J Urol Nephrol** (28 suppl):1–29, 1975
[Vesico–renal reflux in adults (author's transl)] Héritier P, et al. **J Urol Nephrol (Paris)** 81(7–8):497–514, Jul–Aug 75 (Eng. Abstr.) (Fre)
[Personal experience with obstructive uropathy and vesico–ureteral reflux. Considerations] Bartolomucci E, et al. **Pediatria (Napoli)** 82(4):537–50, 31 Dec 74 (Eng. Abstr.) (Ita)
[Pathogenesis and morphology of primary vesico–ureteral reflux in children] Vinogradov VI, et al. **Vopr Okhr Materin Det** 19(3):18–23, Mar 74 (Eng. Abstr.) (Rus)

COMPLICATIONS

Influence of vesico–ureteral reflux on the response to treatment of urinary tract infections in female children. Fair WR, et al. **Br J Urol** 48(2):111–7, Apr 76
Nephrotic syndrome secondary to chronic pyelonephritis and ureterovesical reflux. Dayan S, et al. **J Urol** 115(1):108–9, Jan 76
The natural history of reflux and long–term effects of reflux on the kidney. Lenaghan D, et al. **J Urol** 115(6):728–30, Jun 76
Vesicoureteral reflux complicating sterile hemorrhagic cystitis: a case report. Uy GA, et al. **J Urol** 115(5):612, May 76
Reflux nephropathy. Hodson J, et al. **Kidney Int [Suppl]** Suppl 4:S50–8, Aug 75
Glomerular lesions in atrophic pyelonephritis and reflux nephropathy. Kincaid–Smith P. **Kidney Int [Suppl]** Suppl 4:S81–3, Aug 75
Vesico–ureteric reflux and renal scarring. Smellie J, et al. **Kidney Int [Suppl]** Suppl 4:S65–72, Aug 75
The role of vesico–ureteric (V–U) reflux in the pathogenesis of kidney scars in the rat. Morgan M, et al. **Nephron** 17(1):8–19, 1976
Childhood urinary infection associated with vesico–ureteric reflux. MacGregor ME, et al. **Q J Med** 44(175):481–89, Jul 75
Vesicoureteral reflux in patients in end–stage chronic renal failure. Mosconi CE, et al. **Urol Int** 30(5):357–61, 1975
Hereditary nephritis associated with vesicoureteral reflux and vaginal duplication. Bissada NK, et al. **Urology** 7(4):409–11, Apr 76
Hypertension as complication of vesicoureteral reflux in children. Hicks CC, et al. **Urology** 7(6):587–93, Jun 76
Renin–dependent hypertension in children with reflux nephropathy. Siegler RL. **Urology** 7(5):474–8, May 76
[Vesico–ureteric reflux in children. Characteristics, course and factors of significance for development of parenchymal renal damage] Uldall P, et al. **Ugeskr Laeger** 138(25):1510–5, 14 Jun 76 (Eng. Abstr.) (Dan)
[Vaginal reflux, a cause of enuresis (author's transl] Queloz J, et al. **Praxis** 64(19):589–91, 13 May 75 (Eng. Abstr.) (Fre)
[Primary vesico–renal reflux and pyelonephritis in children] Cheskis AL, et al. **Pediatriia** (2):56–61, Feb 75 (Rus)
[Vesicoureteral reflux with rapidly progressing glomerulonephritis: possible etiopathogenic relationship] Zúñiga Armendáriz V, et al. **Bol Med Hosp Infant Mex** 33(4):841–9, Jul–Aug 76 (Eng. Abstr.) (Spa)

DIAGNOSIS

Effectiveness of direct and indirect radionuclide cystography in detecting vesicoureteral reflux. Conway JJ, et al. **J Nucl Med** 17(02):81–3, Feb 76
Prognosis for resolution of moderate, primary reflux in girls. Manley CB, et al. **J Urol** 115(3):307–9, Mar 76
[99mTc–iron complex for demonstrating reflux without the use of a catheter (author's transl)] Hahn K, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(4):321–4, Oct 75 (Eng. Abstr.) (Ger)
[Vesicorenal reflux. Morphological diagnosis and indications for anti–reflux plasty] Stark R, et al. **Fortschr Med** 93(27):1243–8, 25 Sep 75 (Eng. Abstr.) (Ger)
[Vesico–ureteral reflux] Schott H. **Z Urol Nephrol** 68(5):383–5, May 75 (18 ref.) (Ger)
[Routine isotope cystography using 99M Tc sulfur colloid for detection and follow–up of vesico–ureteral reflux] Nissenkorn I, et al. **Harefuah** 89(8):349–51, 15 Oct 75 (Eng. Abstr.) (Heb)

ETIOLOGY

Vesico–ureteral reflux following transurethral slitting of the

ureteral orifice. Nummi P, et al.
Ann Chir Gynaecol Fenn 64(4):220–3, 1975
Pathogenesis of ureteric reflux in vesical calculus disease of childhood: a clinical study. Taneja OP. **Br J Urol** 47(6):623–9, Dec 75
Vesicoureteral reflux following transurethral resection of bladder tumors. Freed SZ. **J Urol** 116(2):184–7, Aug 76
Reflux into the unused ureter. Teele RL, et al. **J Urol** 115(3):310–3, Mar 76
Changes in the upper urinary tract as demonstrated on intravenous pyelography and micturating cysto–urethrography in patients with spinal cord injury. Scher AT. **Paraplegia** 13(3):157–61, Nov 75
Effect of urinary tract infection on maturation of the ureterovesical junction. Roberts JA. **Surg Forum** 26:596–8, 1975
[Editorial: Urinary tract infection in children and reflux treatment] Mauritzen K. **Ugeskr Laeger** 138(31):1897–8, 26 Jul 76 **(Dan)**
[Radiological study of 35 diverticula of the uretro–vesical junction in 27 children] Gauthier N, et al.
Ann Radiol (Paris) 18(8):771–7, Dec 75 **(Fre)**
[Reflux in the neurogenic bladder of myelomeningocele. Discussion of the value of anti–reflux operations] Deburge JP, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):331–6 Dec 74 **(Fre)**
[Hemostyptic variant of the suprapubic prostatic adenomectomy with regard to postoperative vesico–ureteral reflux (preliminary communication)] Erdmann T, et al. **Z Urol Nephrol** 68(10):719–25, Oct 75 **(Ger)**
[Vesico–ureteral reflux after supradiaphragmatic rupture of the male urethra] Köllermann MW, et al.
Z Urol Nephrol 68(8):601–4, Aug 75 **(Ger)**
[Clinico–morphological study of vesico–ureteral reflux in patients with adenoma of the prostate gland] Tsaturian MG. **Urol Nefrol (Mosk)** (4):39–42, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Bilateral vesico–ureteral reflux with pyelonephritis in identical twins. Hampel N, et al. **Br J Urol** 47(5):535–7, Oct 75
Editorial: Vesicoureteral reflux and its familial distribution. **Br Med J** 4(5999):726, 27 Dec 75
Letter: Vesicoureteral reflux and its familial distribution. Ransley PG. **Br Med J** 1(6002):151, 17 Jan 76
[Familial vesicoureteral reflux (author's transl)] Weber HP, et al. **Klin Paediatr** 188(2):109–15, Mar 76 (Eng. Abstr.) **(Ger)**
[Familial vesico–ureteral reflux and familial urinary tract infection (author's transl)] Köllermann MW, et al.
Monatsschr Kinderheilkd 123(8):598–602, Aug 75 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Reflux in opposite ureter after successful correction of unilateral vesicoureteral reflux. Parrott TS, et al.
Urology 7(3):276–8, Mar 76

PATHOLOGY

Glomerular and vascular lesions in chronic atrophic pyelonephritis and reflux nephropathy. Kincaid–Smith P. **Adv Nephrol** 5:3–17, 1975
Renal papillary morphology and intrarenal reflux in the young pig. Ransley PG, et al. **Urol Res** 3(3):105–9, 29 Oct 75
[Histochemical studies on innervation of the distal ureter in primary vesico–ureteral reflux in children (author's transl)] Oehmichen M, et al. **Klin Paediatr** 188(1):30–4, Jan 76 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Effect of vesicoureteral reflux on renal function in children with recurrent urinary tract infection.s Aperia A, et al.
Kidney Int 9(5):418–23, May 76
Renal blood flow and function in vesico–ureteric reflux. An experimental study in the pig. Helin I, et al.
Scand J Urol Nephrol (28 suppl):71–86, 1975
[Urodynamic studies in children with vesicoureteral reflux] Festge OA, et al. **Paediatr Grenzgeb** 14(5–6):309–20, 1975 (Eng. Abstr.) **(Ger)**
[Urodynamics. II. Bladder–dynamics and reflux] Melchior H. **Z Urol Nephrol** 68(7):521–4, Jul 75 (35 ref.) **(Ger)**

RADIOGRAPHY

Medial deviation of the upper pole calyx on the intravenous urogram as an indication of vesicoureteral reflex. Harrison RB, et al. **Am J Roentgenol** 126(6):1189–93, Jun 76
Vesicoureteral reflux in adults. Berquist TH, et al.
Am J Roentgenol Radium Ther Nucl Med 125(2):314–21, Oct 75
Clinical and radiologic aspects of vesicoureteral reflux in children. Vlatkovic G, et al. **Eur J Pediatr** 122(4):281–8, 12 Jul 76
Intrarenal reflux and renal damage. Bourne HH, et al.
J Urol 115(3):304–6, Mar 76
Follow–up of vesico–ureteric reflux in the newborn. Rolleston GL, et al. **Kidney Int [Suppl]** Suppl 4:S59–64, Aug 75
Reflux and trapping. Weiss RM, et al. **Radiology** 118(1):129–31, Jan 76
[Tubular stasis as well as fornix reflux in the intravenous urogram] Reinhard B, et al.
Fortschr Geb Roentgenstr Nuklearmed 123(2):184–6, Aug 75 **(Ger)**

SURGERY

Renal changes after an uncomplicated antireflux operation. Babcock JR, et al. **J Urol** 115(6):720–1, Jun 76
Surgical correction of vesicoureteral reflux in children with neurogenic bladder. Jeffs RD, et al. **J Urol** 115(4):449–51, Apr 76
Unusual complications of transvesical ureteral reimplantation. Tocci PE, et al. **J Urol** 115(6):731–5, Jun 76
Concentrating ability after antireflux operation. Uehling DT, et al. **J Urol** 116(1):83–4, Jul 76
Renal growth and urinary infection following antireflux surgery in infants and children. Willscher MK, et al.
J Urol 115(6):722–5, Jun 76
The role of surgery in the management of vesico–ureteric reflux. Scott JE. **Kidney Int [Suppl]** Suppl 4:S73–80, Aug 75
Long–term results of sacral rhizotomy for ureteral reflux in the spinal cord injured. Cashion EL, et al. **Paraplegia** 13(3):153–6, Nov 75
[Surgical treatment of the vesico–ureteral reflux in completely duplicated ureter] Gotovac J, et al.
Lijec Vjesn 97(9):523–7, Oct 75 (Eng. Abstr.) **(Cro)**
[Surgical treatment of vesico–ureteral reflux in children] Brun B, et al. **Ugeskr Laeger** 138(31):1880–2, 26 Jul 76 (Eng. Abstr.) **(Dan)**
[Correction of malformative vesicorenal reflux through the advancement of the ureteral submucosa] Cukier J, et al.
Acta Urol Belg 43(4):345–51, Oct 75 (Eng. Abstr.) **(Fre)**
[Antireflux procedures in advanced pyelonephritic kidneys. A modification of the grégoir–operation (author's transl)] Strohmenger P, et al. **Urologe [A]** 14(5):223–4, Sep 75 (Eng. Abstr.) **(Ger)**
[The operative treatment of primary vesicoureteral reflux in adults with the Politano–Leadbetter method (author's transl)] Weiske WH, et al. **Urologe [A]** 15(3):105–8, May 76 (Eng. Abstr.) **(Ger)**
[Surgical treatment of vesico–ureteral reflux in children] Fryczkowski M, et al. **Pol Przegl Chir** 47(11A):1445–50, Nov 75 (Eng. Abstr.) **(Pol)**
[Anti–reflux operations in children with primary vesico–renal reflux] Cheskis AL, et al. **Vestn Khir** 114(5):109–13, May 75 (Eng. Abstr.) **(Rus)**

THERAPY

The practical management of vesicoureteral reflux in children. A review of 12 years' experience with 236 patients. Amar AD, et al. **Clin Pediatr (Phila)** 15(6):562–9, Jun 76
Letter: Vesicoureteral reflux. Lewy PR, et al. **J Pediatr** 87(6 Pt 1):1012, Dec 75
[Indications for conservative treatment of children with vesico–ureteral reflux and infravesical obstruction] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** (5):36–9, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Letter: Vesiculoureteral reflux in a cat. Bovee KC.
J Am Vet Med Assoc 167(11):969–7, 1 Dec 75

VESICOVAGINAL FISTULA

[A serious case of vesico–vaginal fistula] Debled G.
Acta Urol Belg 43(1):84–9, Jan 75 (Eng. Abstr.) **(Fre)**
[Post–hysterectomy vesicovaginal fistulae; surgical treatment, results] Michalowski E, et al. **Zentralbl Gynaekol** 98(6):333–7, 1976 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Menouria and vesicovaginal calculus. Gandhi GM, et al.
Int Surg 61(2):101–3, Feb 76
['You have to learn to live with it?' Incontinence caused by bladder fistula] Haspels AA. **Ned Tijdschr Geneeskd** 120(4):129–32, 24 Jan 76 **(Dut)**

ETIOLOGY

Vesicosalpingovaginal fistula. Turner BI, et al. **Urology** 8(1):49–50, Jul 76
[The part played by osseous dystocia in vesico–vaginal fistulas] Sylla S, et al. **Bull Soc Med Afr Noire Lang Fr** 20(3):315–22, 1975 (Eng. Abstr.) **(Fre)**
[Vesico–vaginal fistulae of traumatic origin] Amor MS, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):391–2, 1972 **(Fre)**

HISTORY

Case of vesico–vaginal fistula, successfully treated by an operation. George Hayward. American Journal of Medical Sciences, vol. 24, pp. 283–288, 1839. Longo LD.
Am J Obstet Gynecol 124(3):311, 1 Feb 76

PHYSIOPATHOLOGY

Pituitary and ovarian function in women with vesicovaginal fistuale after obstructed and prolonged labour. Bieler EU, et al. **S Afr Med J** 50(8):257–66, 21 Feb 76

SURGERY

The use of pedicled omentum in the repair of large vesicovaginal fistulas. Experimental work in dogs. Helmbrecht LJ, et al. **Invest Urol** 13(2):104–7, Sep 75
Surgical repair of post–hysterectomy vesicovaginal fistulas. Gonzalez R, et al. **J Urol** 115(6):660–3, Jun 76
Repair of urethral diverticulum or vesicovaginal fistula by vaginal flap technic. Judd GE, et al. **Obstet Gynecol** 47(5):627–9, May 76
The repair of vesicovaginal fistulae by means of omental slings and grafts. Baines RE, et al. **S Afr Med J** 50(25):959–61, 12 Jun 76
Repair of vesicovaginal fistulas: simultaneous transvaginal–transvesical approach. Clark DH, et al.
South Med J 68(11):1410–3, Nov 75
Simplified method for transvaginal closure of vesicovaginal fistula after hysterectomy. Komatz Y, et al. **Urol Int** 30(5):381–5, 1975
[Vesicovaginal fistulas] Hovendal CP, et al.
Ugeskr Laeger 138(4):217–9, 19 Jan 76 (Eng. Abstr.) **(Dan)**
[A severe case of vesico–vaginal fistula] Debled G.
J Urol Nephrol (Paris) 80(12 pt 2):558–9, Dec 74 **(Fre)**
[Proceedings: Late results of vaginal surgery for vesicovaginal fistula occlusion] Holzer E, et al.
Arch Gynaekol 219(1–4):251–2, 18 Nov 75 **(Ger)**
[Suprapubic transvesical surgical treatment of vesicovaginal fistulas] Akkilic M, et al. **Z Urol Nephrol** 67(9):653–6, Sep 74 **(Ger)**
[Treatment of an inoperable vesicopvagino–rectal fistula] Németh A, et al. **Z Urol Nephrol** 68(4):287–8, Apr 75 **(Ger)**
[Closure of a vesicovaginal fistula using lyophilized human dura] Thiel KH, et al. **Z Urol Nephrol** 67(9):657–8, Sep 74 **(Ger)**
[Peritoneal flap method for the treatment of vesicovaginal defects] Wandschneider G. **Z Urol Nephrol** 69(1):49–59, Jan 76 **(Ger)**
[Vesico–visceral fistula. Original technic for the surgical treatment] Capelhuchnik P. **Rev Assoc Med Bras** 21(6):198–9, Jun 75 **(Por)**
[Treatment of patients with vesico–vaginal fistulas] Rusakov VI, et al. **Akush Ginekol (Mosk)** (8):28–31, Aug 75 (Eng. Abstr.) **(Rus)**
[Dittel's operation in treatment of certain forms of urogenital fistula in women] Nazarian AA. **Zh Eksp Klin Med** 15(3):101–6, 1975 **(Rus)**

VESICULAR EXANTHEMA OF SWINE

MICROBIOLOGY

A major difference in the strategy of the calici– and picornaviruses and its significance in classification. Black D, et al. **Intervirology** 6(1):57–60, 1975–1976

PATHOLOGY

[Cerebral changes in the unweaned mouse following experimental infection with the vesicular disease of swine virus (SVD)] Weiland F, et al.
Zentralbl Veterinaermed [B] 21(9):715–22, Sep 74 (Eng. Abstr.) **(Ger)**

VESICULAR STOMATITIS VIRUS

The pathogenesis of vesicular stomatitis virus, serotype Indiana, in Aedes aegypti mosquitoes. I. Intrathoracic injection. Liu IK, et al. **Am J Trop Med Hyg** 25(1):177–85, Jan 76
Ultrastructure of mouse periventricular and choroid plexus tissues in experimental vesicular stomatitis virus infection. Grodums EI. **Arch Virol** 51(1–2):75–85, 1976
Pseudotype formation between herpes simplex virus and RNA viruses. Huang AS, et al. **Bibl Haematol** (43):313–7, Oct 75
3'–Terminal sequence of vesicular stomatitis virus genome RNA. Banerjee AK, et al.
Biochem Biophys Res Commun 68(4):1387–94, 23 Feb 76
Experimental vesicular stomatitis virus infection: ultrastructural pathology. Murphy FA, et al.
Exp Mol Pathol 23(3):426–40, Dec 75
Comparison of central nervous system disease produced by wild–type and temperature–sensitive mutants of vesicular stomatitis virus. Rabinowitz SG, et al. **Infect Immun** 13(4):1242–9, Apr 76
Effect of ammonium 5–tungsto–2–antimoniate on encephalomyocarditis and vesicular stomatitis virus infections in mice. Werner GH, et al. **J Gen Virol** 31(1):59–64, Apr 76
Ultrastructural changes in bovine lingual epithelium infected with vesicular stomatitis virus. Proctor SJ, et al.
Vet Pathol 12(5–6):362–77, 1975
Identification of infectious virions which are vesicular stomatitis virus pseudotypes of murine type C virus. Livingston DM, et al. **Virology** 70(2):432–9, Apr 76
[Induction of dolykaryocytes by vesicular stomatitis virus in XC rat cells] Chany–Fournier R, et al.
C R Acad Sci [D] (Paris) 282(22):2007–10, 14 Jun 76 (Eng. Abstr.) **(Fre)**

ANALYSIS

The 5' sequence of VSV viral RNA and its in vitro transcription product RNA. Hefti E, et al.

Biochem Biophys Res Commun 66(2):785–92, 16 Sep 75
Heterogneeous 5'-terminal structures occur on vesicular stomatitis virus mRNAs. Rose JK. **J Biol Chem** 250(20):8098–104, 25 Oct 75
Covalently linked message and anti-message (genomic) RNA from a defective vesicular stomatitis virus particle. Lazzarini RA, et al. **J Mol Biol** 97(3):289–307, 25 Sep 75
Comparative membrane microviscosity of fish and mammalian rhabdoviruses studied by fluorescence depolarization. Moore NF, et al. **J Virol** 19(1):275–8, Jul 76
Oligosaccharide moieties of the glycoprotein of vesicular stomatitis virus. Moyer SA, et al. **J Virol** 18(1):167–75, Apr 76
5'-terminal sequence of vesicular stomatitis virus mRNA's synthesized in vitro. Rhodes DP, et al. **J Virol** 17(1):33–42, Jan 75
Virus-dependent glycosylation. Sefton BM. **J Virol** 17(1):85–93, Jan 75
Studies on the in vivo and in vitro messenger RNA species of vesicular stomatitis virus. Moyer SA, et al. **Virology** 67(2):463–73, Oct 75
In vivo methylation of vesicular stomatitis virus and its host-cell messenger RNA species. Moyer SA, et al. **Virology** 70(2):339–51, Apr 76
Cross-linked double-stranded RNA from a defective vesicular stomatitis virus particle. Perrault J. **Virology** 70(2):360–71, Apr 76

DRUG EFFECTS

Diminished virucidal activity of kethoxal against vesicular stomatitis virus pretreated with guanidinating reagent and proteases. Sabina LR, et al. **Acta Virol (Praha)** 20(2):119–25, Apr 76
Inhibition of vesicular stomatitis virus replication by poly(2'-fluoro-2'-deoxyuridylic acid). Grosch JC, et al. **Antimicrob Agents Chemother** 8(5):544–50, Nov 75
Inactivation of viruses in serum with binary ethyleneimine. Bahnemann HG. **J Clin Microbiol** 3(2):209–10, Feb 76
Cyclic AMP potentiation of interferon antiviral activity and effect of interferon on cellular cyclic AMP levels. Weber JM, et al. **J Gen Virol** 28(3):363–72, Sep 75
[Virus inhibition using hesperidin] Wacker A, et al. **Naturwissenschaften** 62(6):301, Jun 75 **(Ger)**
[Titration of interferon using a new type VSV (New Jersey serotype) (author's transl)] Kobayashi S. **Virus (Tokyo)** 24(1):1–7, Apr 74 **(Jpn)**

ENZYMOLOGY

In vitro transcription of a vesicular stomatitis virus mutant. pp. 103–8. Moreau MC, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.
Structure and functional activity of the RNA polymerase of vesicular stomatitis virus. pp. 129–34. Szilágyi JF.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.
Function and structure of RNA polymerase from vesicular stomatitis virus. Naito S, et al. **J Biol Chem** 251(14):4307–14, 25 Jul 76
Virion trascriptase activity differences in host range mutants of vesicular stomatitis virus. Szilágyi JF, et al. **J Urol** 16(4):927–36, Oct 75
Analysis of in vitro transcription products of intracellular vesicular stomatitis virus RNA polymerase. Galet H, et al. **J Virol** 19(2):467–74, Aug 76
Inhibition by aurintricarboxylic acid and polyethylene sulfonate of RNA transcription of vesicular stomatitis virus. Hunt DM, et al. **J Virol** 16(5):1146–53, Nov 75
RNA- temperature-sensitive mutants of vesicular stomatitis virus: L-protein thermosensitivity accounts for transcriptase restriction of group I mutants. Hunt DM, et al. **J Virol** 18(2):596–603, May 76

GROWTH & DEVELOPMENT

Effect of tetraethyl thiuram disulfide (disulfiram) on the multiplication of enveloped viruses. Carić-Lazar M, et al. **Arch Virol** 48(4):297–306, 1975
Polykaryocytosis induced by vesicular stomatitis virus infection in BHK-21 cells. Takehara M. **Arch Virol** 49(4):297–306, 1975
Conditional lethal mutants of vesicular stomatitis virus. Pringle CR. **Curr Top Microbiol Immunol** 69:85–116, 1975 (78 ref.)
Use of pseudotypes of vesicular stomatitis virus to study cellular resistance to murine RNA tumor viruses. pp. 331–6. Huang AS, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.
Host effect on vesicular stomatitis virus morphogenesis and 'T' particle formation in reptilian, avian, and mammalian cell lines. Lunger PD, et al. **In Vitro** 11(4):239–46, Jul–Aug 75
Rescue of vesicular stomatitis virus from homologous and heterologous interferon-induced resistance in human cell cultures by poxviruses. Thacore HR. **Infect Immun** 14(1):311–4, Jul 76
Human fibroblast and leukocyte interferons show different dose-response curves in assay of cell protection. Edy VG, et al. **J Gen Virol** 31(2):251–5, May 76
Multiplication of vesicular stomatitis virus in the leafhopper Peregrinus maidis (Ashm.), a vector of a plant rhabdovirus. Lastra JR, et al. **J Gen Virol** 32(1):139–42, Jul 76
Polykaryocyte formation induced by VSV in mouse L cells. Nishiyama Y, et al. **J Gen Virol** 32(1):85–96, Jul 76
On the mechanism of neurotropism of vesicular stomatitis virus in newborn hamsters. Studies with temperature-sensitive mutants. Stanners CP, et al. **J Gen Virol** 29(3):281–96, Dec 75
Inhibition of pseudorabies virus replication by vesicular stomicles virus I. Activity of infectious and inactivated B particles. Dubovi EJ, et al. **J Virol** 18(2):526–33, May 76
Inhibition of pseudorabies virus replication by vesicular stomatitis virus. II Activity of defective interfering particles. Dubovi EJ, et al. **J Virol** 18(2):534–41, May 76
Factors involved in the generation and replication of rhabdovirus defective T particles. Holland JJ, et al. **J Virol** 17(3):805–15, Mar 76
Differential inhibition of host protein synthesis in L cells infected with RNA – temperature-sensitive mutants of vesicular stomatitis virus. McAllister PE, et al. **J Virol** 18(2):550–8, May 76
Translation of individual host mRNA's in MPC-11 cells is differentially suppressed after infection by vesicular stomatitis virus. Nuss DL, et al. **J Virol** 19(2):572–8, Aug 76
Growth of enveloped RNA viruses in a line of chinese hamster ovary cells with deficient N-acetylglucosaminyltransferase activity. Schlesinger S, et al. **J Virol** 17(1):239–46, Jan 75
Role of temperature-sensitive mutants in persistent infections initiated with vesicular stomatitis virus. Youngner JS, et al. **J Virol** 19(1):90–101, Jul 76
Temperature-sensitive mutants of vesicular stomatitis virus are conditionally defective particles that interfere with and are rescued by wild-type virus. Youngner JS, et al. **J Virol** 19(1):102–7, Jul 76
Lethal synergy between sarcoma-180/TG cells and vesicular stomatitis virus in mice. Deig EF, et al. **Proc Soc Exp Biol Med** 150(3):681–5, Dec 75
Mechansims of vesicular stomatitis virus-induced cytopathic effects. II. Inhibition of macromolecular synthesis induced by infectious and defective-interfering particles. Baxt B, et al. **Virology** 72(2):383–92, 15 Jul 76
Mechanisms of vesicular stomatitis virus-induced cytopathic effects. I. Early morphologic changes induced by infectious and defective-interfering particles. Baxt B, et al. **Virology** 72(2):370–82, 15 Jul 76
Cell killing by viruses. III. The interferon system and inhibition of cell killing by vesicular stomatitis virus. Marcus PI, et al. **Virology** 69(2):378–93, Feb 76

IMMUNOLOGY

Quantitative studies on adsorption, elution, and haemagglutination of vesicular stomatitis virus. Arstila P. **Arch Virol** 51(1–2):51–8, 1976
Induction and in Vitro demonstration of cellular immunity to DNA and RNA viruses in guinea-pigs. Koszinowski U, et al. **Clin Exp Immunol** 20(1):143–54, Apr 75
Phenotypic mixing of vesicular stomatitis virus and D-type oncornavirus. Altstein AD, et al. **Int J Cancer** 17(6):780–4, 15 Jun 76
Augmented immunogenicity of tumor cell membranes produced by surface budding viruses: parameters of optimal immunization. Gillette RW, et al. **Int J Cancer** 18(2):216–22, 15 Aug 76
Correlation of polypeptide composition with antigenic variation in the swine vesicular disease and coxsackie B5 viruses. Harris TJ, et al. **Nature** 258(5537):758–60, 25 Dec 75

ISOLATION & PURIFICATION

Biohazard potential: recovery of infectious virus from the liquid nitrogen of a virus repository. Schaffer TW, et al. **Health Lab Sci** 13(1):23–4, Jan 76
Purification of defective interfering T particles of vesicular stomatitis and rabies viruses generated in vivo in brains of newborn mice. Holland JJ, et al. **Virology** 67(2):438–49, Oct 75

METABOLISM

The 5' sequences of VSV in vitro transcription product RNA (+/-SAM). Hefti E, et al.
Biochem Biophys Res Commun 68(2):393–400, 26 Jan 76
Determination of molar ratios of vesicular stomatitis virus induced RNA species in BHK21 cells. Villarreal LP, et al. **Biochemistry** 15(8):1663–7, 20 Apr 76
Permeability properties of the membrane of vesicular stomatitis virions. Bittman R, et al.
Biochim Biophys Acta 433(1):63–74, 16 Apr 76
Phenotypic mixing between vesicular stomatitis virus and avian RNA tumor viruses. Weiss RA, et al.
Cold Spring Harbor Symp Quant Biol 39 Pt. 2:913–8, 1975
Phenotypically mixed vesicular stomatitis virus particles produced in human tumor cell lines. Zavada J, et al.
Cold Spring Harbor Symp Quant Biol 39 Pt. 2:907–12, 1975
Studies on the asymmetric arrangement of membrane-lipid-enveloped virions as a model system. Stoffel W, et al. **Hoppe Seylers Z Physiol Chem** 356(7):1123–9, Jul 75
Synthesis in vitro of mRNA by RNA polymerase induced in VSV-infected L cells and translation of the mRNA species into viral proteins. pp. 259–64. Ghosh HP, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.
Site of synthesis of membrane and nonmembrane proteins of vesicular stomatitis virus. Morrison TG. **J Biol Chem** 250(17):6955–62, 10 Sep 75
Assembly of vesicular stomatitis virus glycoprotein and matrix protein into HeLa cell plasma membranes. Atkinson PH, et al. **J Mol Biol** 102(3):613–31, 15 Apr 76
The size and the cistronic origin of defective vesicular stomatitis virus particle RNAs in relation to homotypic and heterotypic interference. Schnitzlein WM, et al. **J Mol Biol** 101(3):307–25, 5 Mar 76
Differential inhibition of vesicular stomatitis virus polypeptide synthesis by hypertonic initiation block. Nuss DL, et al. **J Virol** 17(1):283–6, Jan 75
Characterization and translation of methylated and unmethylated vesicular stomatitis virus mRNA synthesized in vitro by ribonucleoprotein particles from vesicular stomatitis virus-infected L cells. Toneguzzo F, et al. **J Virol** 17(2):477–91, Feb 76
Method of examining viral RNA metabolism in cells in culture: metabolism of vesicular stomatitis virus RNA. Wertz GW. **J Virol** 16(5):1340–4, Nov 75
Translation in vitro of vesicular stomatitis virus mRNA lacking 5'-terminal 7-methylguanosine. Rose JK, et al. **Nature** 262(5563):32–7, 1 Jul 76
Sequential transcription of the genes of vesicular stomatitis virus. Abraham G, et al. **Proc Natl Acad Sci USA** 73(5):1504–8, May 76
Order of transcription of genes of vesicular stomatitis virus. Ball LA, et al. **Proc Natl Acad Sci USA** 73(2):442–6, Feb 76
Coupled in vitro transcription and translation of vesicular stomatitis virus messenger RNA. Breindl M, et al. **Proc Natl Acad Sci USA** 72(7):2545–9, Jul 75
The nature of the RNA products synthesized in vitro by subviral components of visicular stomatitis virus. Abraham G, et al. **Virology** 71(1):230–41, May 76
Studies on the in vitro transcription and translation of vesicular stomatitis virus mRNA. Breindl M, et al. **Virology** 73(1):106–18, Aug 76
Control of vesicular stomatitis virus protein synthesis. David AE. **Virology** 71(1):217–29, May 76
Parental G protein reincorporation by a vesicular stomatitis virus temperature-sensitive mutant of complementation group V at nonpermissive temperature. Deutsch V. **Virology** 69(2):607–16, Feb 76
A comparison of the extents of methylation of vesicular stomatitis virus messenger RNA. Keene JD, et al. **Virology** 69(1):364–7, Jan 76

PATHOGENICITY

Status spongiousus resulting from intracerebral infection of mice with temperature-sensitive mutants of vesicular stomatitis virus. Dal Canto MC, et al. **Br J Exp Pathol** 57(3):321–30, Jun 76
An ultrastructural study of central nervous system disease produced by wild-type and temperature-sensitive mutants of vesicular stomatitis virus. Dal Canto MC, et al. **Lab Invest** 35(2):185–96, Aug 76

ULTRASTRUCTURE

Enveloped viruses as model membrane systems: microviscosity of vesicular stomatitis virus and host cell membranes. Barenholz Y, et al. **Biochemistry** 15(16):3563–70, 10 Aug 76
Effect of membrane protein on lipid bilayer structure: a spin-label electron spin resonance study of vesicular stomatitis virus. Landsberger FR, et al. **Biochemistry** 15(11):2356–60, 1 Jun 76
Vesicular stomatitis virus: structure and function of virion components. Emerson SU. **Curr Top Microbiol Immunol** 73:1–34, 1976 (162 ref.)
The shape of vesicular stomatitis virus. Orenstein J, et al. **Virology** 71(1):291–301, May 76

VESPRIN see TRIFLUPROMAZINE

VESTIBULAR APPARATUS

Unsuspected intravestibular schwannoma. Weymuller EA Jr. **Arch Otolaryngol** 101(10):630–2, Oct 75
Cochleo-vestibular disturbances in diving. Coles RR. **Audiology** 15(4):273–8, Jul–Aug 76
Letter: Frusemide in the management of streptomycin induced vestibular damage. Purohit SD, et al. **J Assoc Physicians India** 23(7):474, Jul 75
Effects of droperidol in management of vestibular disorders. Johnson WH, et al. **Laryngoscope** 86(7):946–54, Jul 76
Effects of vestibular stimulation on nystagmus response and motor performance in the developmentally delayed infant. Kantner RM, et al. **Phys Ther** 56(4):414–21, Apr 76
[Central vestibular syndromes] Greiner GF, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):38–47, 1975 **(Fre)**
[The acute vestibular paralysis (author's transl)] Meran A, et al. **Arch Otorhinolaryngol (NY)** 209(3):229–44, 8 Jul 75 (Eng. Abstr.) **(Ger)**
[Optico-vestibular motion disease, altitude vertigo and clinical forms of vertigo] Brandt T. **Fortschr Med**

94(20–21):1177–82, 15 July 76 (Ger)
[Coexistence of congenital and vestibular nystagmus] Ukleja Z. **Otolaryngol Pol** 29(5):511–8, 1975 (Eng. Abstr.) (Pol)
[Cochleo–vestibular syndromes in different degree of lesions] Blagoveshchenskaia NS. **Vestn Otorinolaringol** (2):10–8, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Prolonged vestibular disorders after repeated stapedoplasty] Lantsov AA. **Vestn Otorinolaringol** (1):20–1, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Results of the polythermic test in patients with spontaneous cochlevestibular symptoms in Ménière's disease] Pomukhina AN, et al. **Zh Ushn Nos Gorl Bolezn** (5):81–2, Sep–Oct 75 (Rus)
[Changes in auditory and vestibular analyzers and means of their prevention in riveters] Tytar' GM, et al. **Zh Ushn Nos Gorl Bolezn** (4):5–7, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Sudden impairment of hearing and vestibular apparatus during prolonged work in noise] Munitić A, et al. **Vojnosanit Pregl** 33(3):184–7, May–Jun 76 (Ser)
[Management of vestibular disorders developed after cerebrocranial injuries through habituation] Pichanič M. **Cesk Otolaryngol** 24(4):213–9, Aug 75 (Eng. Abstr.) (Slo)

ANATOMY & HISTOLOGY

Vestibular end organ mapping in the squirrel monkey. Igarashi M, et al. **Arch Otorhinolaryngol (NY)** 211(3):153–61, 15 Jul 75
Some aspects of the structure of the vestibular apparatus. pp 3–20. Smith CA, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
[Macrophotography and scanning electron microscopy of the membranous and osseous vestibular apparatus] Bourges P, et al. **J Fr Otorhinolaryngol** 24(4):323–33, Apr 75 (Fre)

BLOOD SUPPLY

[Reduction of the bloodflow in the vestibular centre] Moser M. **Laryngol Rhinol Otol (Stuttg)** 55(8):665–9, Aug 76 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Vestibular reactions associated with minocycline. Jacobson JA, et al. **Antimicrob Agents Chemother** 8(4):453–6, Oct 75
Vestibular ototoxicity. pp 321–49. Hawkins JE Jr, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
Functional changes in the oculomotor system of the monkey at various stages of barbiturate anesthesia and alertness. Eckmiller R, et al. **Pfluegers Arch** 363(1):33–42, 6 May 76
Assessment of ototoxic potential of minocycline in guinea pigs. Kepenis V, et al. **Toxicol Appl Pharmacol** 34(2):327–39, Nov 75
[Effect of osmotic medication on the excitability of the vestibular system] Decroix G, et al. **Acta Otorhinolaryngol Belg** 29(1):196–9, 1975 (Fre)
[Modification of nystagmus through the effect of drugs. Pharmacodynamic introduction] Dresse Al. **Acta Otorhinolaryngol Belg** 29(1):105–12, 1975 (Fre)
[Effect of diazepam on vestibular hyperreflexia] Gabersek V. **Acta Otorhinolaryngol Belg** 29(1):200–6, 1975 (Fre)
[Modified swing test in rabbits. Application to the study of an antivertigo drug] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):540–52, 1975 (Fre)
[Cochleo–vestibular tolerance for new aminoglucoside antibiotics] Conraux C, et al. **Rev Otoneuroophtalmol** 47(2):67–9, Mar–Apr 75 (Fre)
[Effects of dopamine on the vestibulo–ocular reflex in parkinsonism] Genco S, et al. **Boll Soc Ital Biol Sper** 51(20):1375–81, 30 Oct 75 (Ita)
[Effects of apomorphine on the vestibulo–ocular reflex in normal subjects and in patients with parkinsonism] Serlenga L, et al. **Boll Soc Ital Biol Sper** 51(20):1382–6, 30 Oct 75 (Ita)
[Modifications induced by antidepressant drugs on the vestibulo–ocular reflex in man] Specchio LM, et al. **Boll Soc Ital Biol Sper** 51(20):1369–74, 30 Oct 75 (Ita)
[Return of vestibular function and compensation of vestibular damage following streptomycin treatment] Miszke A. **Otolaryngol Pol** 29(4):335–41, 1975 (Eng. Abstr.) (Pol)
[Effect of neuroleptoanalgesia II on acute symptoms of peripheral damage of the organ of equilibrium] Walczak W, et al. **Otolaryngol Pol** 29(5):493–7, 1975 (Eng. Abstr.) (Pol)

EMBRYOLOGY

[The development OF THE vestibular apparatus under conditions of weightlessness] Vinikov IaA, et al. **Arkh Anat Gistol Embriol** 70(1):11–7, Jan 76 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

[Is visual experience necessary for the maturation of vestibular control of eye movement] Berthoz A, et al. **C R Acad Sci [D] (Paris)** 280(15):1805–8, 21 Apr 75 (Fre)

INNERVATION

New approach to caloric stimulation of the vestibular receptor. Proctor LR, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):683–94, Sep–Oct 75
Vestibular–neck integration in the vestibular nuclei. Rubin AM, et al. **Brain Res** 96(1):99–102, 10 Oct 75
Vestibulo–cortical projection. pp 203–10. Fredrickson JM, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
The innervation of the human vestibular sensory regions. Rosenhall U. **Int J Equilib Res** 4(1):3–15, Jun 74
[Relation between structure and function of the vestibular receptor] Spoendlin H. **Acta Otorhinolaryngol Belg** 29(1):75–91, 1975 (16 ref.) (Fre)
[Response of efferent vestibular fibers to horizontal rotation in frogs (Rana esculenta L.)] Caston J, et al. **C R Soc Biol (Paris)** 169(4):1062–6, 1975 (Eng. Abstr.) (Fre)
[Present–day theories on the role of vestibular vascular reflexes in the regulation of cerebrovascular circulation and the mechanism of vestibular reactions] Blagoveshchenskaia NS, et al. **Vestn Otorinolaringol** (1):3–11, Jan–Feb 76 (Eng. Abstr.) (Rus)

PATHOLOGY

Pathology of the peripheral vestibular system in the human. pp 379–95. Lindsay JR.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

PHYSIOLOGY

Multiday recordings from the primary neurons of the statoreceptors of the labyrinth of the bull frog. The effect of an extended period of 'weightlessness' on the rate of firing at rest and in response to stimulation by brief periods of centrifugation (OFO–A orbiting experiment). Bracchi F, et al. **Acta Otolaryngol [Suppl] (Stockh)** (334):1–27, 1975
Oculo–nuco–vestibulospinal system regulating the tonic postural activity. Statokinesimetric studies. Baron JB, et al. **Agressologie** 15(6):395–400, 1974
Application of joint distribution of quantitative characteristics of the vestibular nystagmus for diagnostic purposes. Levashov MM, et al. **Agressologie** 16(3):175–8, 1975
Galvanic vestibular stimulation. Swaak AJ, et al. **Appl Neurophysiol** 38(2):136–43, 1975
Vestibular–ocular accommodation reflex in man. Clark BR, et al. **Aviat Space Environ Med** 46(11):1336–9, Nov 75
Effect of labyrinthectomy on the dynamic vestibulo–ocular counterrol reflex in the rhesus monkey. Smiles KA, et al. **Aviat Space Environ Med** 46(8):1017–22, Aug 75
A theoretical and experimental determination of vestibular dynamics in caloric stimulation. Baertschi AJ, et al. **Biol Cybern** 20(3–4):175–86, 5 Nov 75
Vestibular habituation to angular velocity steps in the cat. Jeannerod M, et al. **Biol Cybern** 22(1):39–48, 27 Feb 76
Thalamic unit activity in the alert monkey during natural vestibular stimulation. Büttner U, et al. **Brain Res** 103(1):127–32, 13 Feb 76
An adaptive neural model compatible with plastic changes induced in the human vestibulo–ocular reflex by prolonged optical reversal of vision. Davies P, et al. **Brain Res** 103(3):546–50, 27 Feb 76
Adaptation of the human vestibuloocular reflex to magnifying lenses. Gauthier GM, et al. **Brain Res** 92(2):331–5, 11 Jul 75
Adaptation of cat vestibulo–ocular reflex to 200 days of optically reversed vision. Jones GM, et al. **Brain Res** 103(3):551–4, 27 Feb 76
The relative efficacy of vestibular–proprioceptive stimulation and the upright position in enhancing visual pursuit in neonates. Gregg CL, et al. **Child Dev** 47(2):309–14, Jun 76
The effects of neonatal vestibular stimulation on adult growth and emotional reactivity in BALB/c mice. Labarba RC, et al. **Dev Psychobiol** 9(4):359–63, JUL 76
Proceedings: Vestibulometric evaluation of the caloric reaction in children and in adults. Krejčová H, et al. **Electroencephalogr Clin Neurophysiol** 39(4):441, Oct 75
Perception of linear horizontal self–motion induced by peripheral vision (linearvection) basic characteristics and visual–vestibular interactions. Berthoz A, et al. **Exp Brain Res** 23(5):471–89, 14 Nov 75
Cerebellar learning control of vestibulo–ocular mechanisms. pp. 1–22. Ito M.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974. (64 ref.)
The definition of vestibular habituation. pp 219–24. Hood JD.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
On the physiology and the examination of the vestibular labyrinths. pp 227–47. Jongkees LB.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
Cerebellar vestibular relations: problems of clinical evaluation. pp 439–49. Perlman HB.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
Testing the vestibular system: value of the caloric test. pp 249–60. Proctor LR.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.
The effects of caloric vestibular stimulation on the tonic vibration reflex in man. pp. 163–7. Delwaide PJ, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.
Vestibulo–ocular reflexes. Introductory remarks. pp. 75–82. Berthoz A.
In: Vital–Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.
Habituation of vestibulo–ocular responses. pp. 103–15. Schmid R, et al.
In: Vital–Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.
Correlation between vestibular nuclei and the hypothalamus in the rat. Kubo T, et al. **Int J Equilib Res** 4(1):28–36, Jun 74
Visual stimulation: effects on vestibular habituation. Preciado MC, et al. **J Comp Physiol Psychol** 89(10):1149–53, Dec 75
Supplementary auditory and vestibular stimulation: effects on institutionalized infants. Casler L. **J Exp Child Psychol** 19(3):456–63, Jun 75
Behavioral adaptation in neonatal chicks following embryonic vestibular system rearrangement. Heaton MB. **J Exp Zool** 194(3):495–510, Dec 75
Effect of vestibular deafferentation upon positional nystagmus in the squirrel monkey. Kato Y, et al. **J Laryngol Otol** 90(7):629–38, Jul 76
Proceedings: The role of the vestibulo–ocular reflex in visual target acquisition. Barnes GR. **J Physiol (Lond)** 258(2):64P–65P, Jun 76
Four channel electronystagmographic (ENG) studies of eye movements induced by linear accelerations. Clement PA, et al. **ORL** 37(4):193–208, 1975
Effects of waterbed flotation on premature infants: A pilot study. Korner AF, et al. **Pediatrics** 56(3):361–7, Sep 75
Brain stem and vestibular neuron behavior during eye movements evoked by cerebellar stimulation. Kimm J, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):201–2, Mar–Apr 76
Differences between ampullofugal and ampullopetal stimulation of the horizontal semicircular canal: confirmation of Ewald's second law. Owens DE, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):197–200, Mar–Apr 76
Postural equilibrium and vestibular response at 49.5 ATA. Braithwaite WR, et al. **Undersea Biomed Res** 1(4):309–23, Dec 74
Receptive field response of LGB neurons during vestibular stimulation in awake cats. Kennedy H, et al. **Vision Res** 16(1):119–20, Jan 76
[The influence of age on vestibular function] Clement PA, et al. **Acta Otorhinolaryngol Belg** 29(1):163–72, 1975 (Eng. Abstr.) (Fre)
[Models and experimentation. Vestibular adaptation] Ledoux A. **Acta Otorhinolaryngol Belg** 29(1):92–102, 1975 (Eng. Abstr.) (Fre)
[Clinical application of a mathematical model of the vestibulo–oculomotor system] Mira E, et al. **Acta Otorhinolaryngol Belg** 29(1):29–55, 1975 (Fre)
[Automatic summation of slow phases of nystagmus in vestibular pathology] Rapp B, et al. **Acta Otorhinolaryngol Belg** 29(1):153–62, 1975 (Fre)
[A model of the vestibulo–oculomotor system] Schmid R, et al. **Acta Otorhinolaryngol Belg** 29(1):9–28, 1975 (Fre)
[Reactions of human neck muscle–fibers to vestibular stimulation (author's transl)] Schmidt CL, et al. **Arch Otorhinolaryngol (NY)** 211(4):231–6, 30 Dec 75 (Eng. Abstr.) (Ger)
[A electromyographic study of the vestibular reflexes. A clinical experimental study on human beings (author's transl)] Emami–Nouri M. **Laryngol Rhinol Otol (Stuttg)** 54(6):512–30, Jun 75 (Eng. Abstr.) (Ger)
[Equilibrium regulation and visual influence; studies using the pendular–platform–test (author's transl)] Reicke N. **Laryngol Rhinol Otol (Stuttg)** 54(6):506–11, Jun 75 (Eng. Abstr.) (Ger)
[Coriolis acceleration. Vestibulo–vegetative stimulations with regard to the motion sickness of astronauts. Experimental researches] Arslan M, et al. **Minerva Med** 67(36):2347–9, 28 Jul 76 (Ita)
[Physics of semicircular canals in special aeronautic situations] Blezza F. **Minerva Med** 67(36):2350–5, 28 Jul 76 (Ita)
[Changes in finger plethysmograph due to caloric vestibular stimulation. I. Reaction in normal subjects (author's transl)] Kamijo A. **J Otolaryngol Jpn** 78(8):589–604, 20 Aug 75 (Eng. Abstr.) (Jpn)
[Nystagmus induced by insertion of black ink into the stylomastoid foramen in rabbits (author's transl)] Mitani N. **J Otolaryngol Jpn** 78(5):430–41, 20 May 75 (Eng. Abstr.) (Jpn)
[Model of the effect of the vestibular system on blood pressure during sleep] Doneshka PI, et al. **Biofizika** 21(1):161–5, Jan–Feb 76 (Eng. Abstr.) (Rus)
[Oculomotor reactions during simultaneous stimulation of vestibular and visual receptors] Balashova EG. **Fiziol Zh SSSR** 61(7):1072–6, Jun 75 (Rus)
[The role of the hypothalamus in the mechanism of positional nystagmus] Koriukin VE. **Fiziol Zh SSSR** 61(9):1337–42, Sep 75 (Eng. Abstr.) (Rus)
[Reactions of reticular neurons to electric stimulation of somatic nerves, stimulation of the vestibular apparatus and

combined stimulation] Truzhennikov AN. **Fiziol Zh SSSR** 62(7):953–60, Jul 76 (Eng. Abstr.) **(Rus)**

[A biophysical analysis of the effect of Coriolis accelerations on the vestibular analyzer] Lapaev EV, et al. **Izv Akad Nauk SSSR [Biol]** (3):449–52, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Dynamics of motor components of optokinetic nystagmus during exposure of the vestibular apparatus to angular accelerations] Babiiak VI. **Kosm Biol Aviakosm Med** 10(1):40–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of centrifugal force on neck nystagmus in pigeons] Kisliakov VA, et al. **Kosm Biol Aviakosm Med** 10(1):35–40, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Eye movements occurring during head rotation on artificial gravity stands] Sarkisov IIu, et al. **Kosm Biol Aviakosm Med** 9(6):3–8, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Current trends in biophysical studies of vestibular function] Shipov AA. **Kosm Biol Aviakosm Med** 10(2):8–16, Mar–Apr 76 (122 ref.) **(Rus)**

[Effect of hypokinesia and varying microclimate on vestibular function] Vasil'ev AI, et al. **Kosm Biol Aviakosm Med** 9(4):58–61, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Changes in the receptive field of pigeon tectum neurons subjected to vestibular and acoustic stimulation] Slobodchikova ON. **Neirofiziologiia** 7(2):178–83, 1975 **(Rus)**

[Post-rotation nystagmus and micromovement of the eyes] Filin VA, et al. **Vestn Otorinolaringol** (6):56–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Interaction of the vestibular and visual analyzers] Kekhaĭov VN. **Vestn Otorinolaringol** (3):54–7, May–Jun 74 (Eng. Abstr.) **(Rus)**

[Role of the hypothalamus in the formation of vestibular reactions] Kurashvili AE, et al. **Vestn Otorinolaringol** (6):60–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Eye movements in animals with extirpated cerebrocortical oculomotor centers] Klosovskiĭ BN, et al. **Vopr Neirokhir** (5):39–45, Sep–Oct 75 **(Rus)**

[Analysis of central mechanisms of interoceptive influence on vestibulo-somatic reflexes] Dutov AM. **Zh Ushn Nos Gorl Bolezn** (6):75–6, Nov–Dec 75 **(Rus)**

[Influence of stimulation of the vestibular apparatus on the visual function (length of the false deformation of objects following stimulation of the vestibular apparatus)] Kekhaĭov AN. **Zh Ushn Nos Gorl Bolezn** (2):80–1, Mar–Apr 76 **(Rus)**

PHYSIOPATHOLOGY

The phenomenon of vestibular recruitment and its diagnostic significance. Janczewski G, et al. **Acta Med Pol** 16(4):269–73, 1975

The nystagmus threshold in turning test in different age groups and in patients suffering from otosclerosis. Virolainen ES, et al. **Acta Otolaryngol (Stockh)** 81(1–2):127–9, Jan–Feb 76

Angular velocity of the slow phase in experimental and clinical lesions of the vestibular apparatus. Latkowski B, et al. **Acta Otorhinolaryngol Belg** 29(5):822–30, 1975

Vestibular decruitment in central nervous system disease. Torok N. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):131–5, Jan–Feb 76

Vestibular problems in space flight. pp 211–17. Johnson WH, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

Motion sickness and other vestibulo–gastric illnesses. pp 371–7. Money KE, et al.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

[The mechanisms of central vestibular compensation. Nystagmographic study] Pfaltz CR. **Acta Otorhinolaryngol Belg** 29(1):145–52, 1975 **(Fre)**

[The mechanism of nystagmus] Demanez JP, et al. **Acta Otorinolaryngol Iber Am** 24(4):17–30, Jul–Aug 73 **(Fre)**

[Personal technic for the diagnosis of vestibular disorders using neutralising acceleration] Latkowski B, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(9–10):515–20, Sep–Oct 75 **(Fre)**

[Migraine and the vestibular apparatus (author's transl)] Dürsteler MR. **J Neurol** 210(4):253–69, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Compensation of peripheral damage of the organ of equilibrium and its evaluation in caloric and rotation tests] Bień S. **Otolaryngol Pol** 29(6):561–8, 1975 (Eng. Abstr.) **(Pol)**

[Evaluation of vestibular recruitment in caloric tests in patients with Ménière's disease] Lukomski M. **Otolaryngol Pol** 29(6):557–60, 1975 (Eng. Abstr.) **(Pol)**

[Dynamics of vestibular symptomatology in combined treatment of tumors of posterior cranial fossa in children] Blagoveshchenskaia NS, et al. **Med Radiol (Mosk)** 20(4):32–6, Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of long flights on the functional state of the vestibular analyzer] Ivanov VV. **Voen Med Zh** (11):58–9, Nov 75 **(Rus)**

[Change in the reactivity of the vestibular analyzer under hypoxic conditions] Sidel'nikov IA. **Voen Med Zh** (1):54–7, Jan 76 **(Rus)**

[State of the vestibular function in patients with hypertensive disease treated in the biotron] Mostovaia TS. **Vrach Delo** (4):65–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Study of cerebral hemodynamics and vestibular disorders in chronic cerebral arachnoiditis and encephalitis] Kukhtevich II, et al. **Zh Nevropatol Psikhiatr** 74(2):172–6, 1974 (Eng. Abstr.) **(Rus)**

[Fukuda writing test in the evaluation of vestibular reactions during stapedioplasty and in the first days thereafter] Gukovich VA, et al. **Zh Ushn Nos Gorl Bolezn** (5):23–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Dynamics of vestibular disorders and bioelectric activity of the brain in patients with hypertension treated in the biotron] Mostovaia TS, et al. **Zh Ushn Nos Gorl Bolezn** (4):28–30, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Arterial oscillography in the clinical evaluation of vestibular disorders in chronic encephalitis and cerebral arachnoiditis] Skvirskaia AA, et al. **Zh Ushn Nos Gorl Bolezn** (2):43–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiological visualization of the vestibular aqueduct. Technique and morphological features. Gado MH, et al. **Radiology** 117(3 Pt 1):621–6, Dec 75

SURGERY

Otosclerotic obliteration of oval window niche: an analysis of the results of surgery. Gristwood RE, et al. **J Laryngol Otol** 89(12):1185–217, Dec 75

[Electronystagmographic data from the examination of 100 postoperative tracings 5 days after venous interposition] Elbaz P, et al. **Ann Otolaryngol Chir Cervicofac** 91(10–11):569–83, Oct–Nov 74 (Eng. Abstr.) **(Fre)**

[Surgery for Meniere's vertigo. Vestibular neurectomy or decompression of the endolymphatic sac] Charachon R, et al. **J Fr Otorhinolaryngol** 24(10):801–11, Dec 75 **(Fre)**

[Exclusion of the function of the vestibular receptor by laser irradiation under experimental conditions] Tokarev OP, et al. **Vestn Otorinolaringol** (5):16–9, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Morphological and physiological correlates in cochlear and vestibular sensory epithelia. pp. 269–76, 366. Lim DJ.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

[Electron microscopic study of the vestibular apparatus receptor structures in the guinea pig after adequate stimulations] Kolchev KA. **Zh Evol Biokhim Fiziol** 11(6):601–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

VESTIBULAR FUNCTION TESTS

On the nature of brain stem disorders in severe head injured patients. II. A study on caloric vestibular reactions and neurotransmitter treatment. Minderhoud JM, et al. **Acta Neurochir (Wien)** 34(1–4):23–35, 1976

Quantification of vestibular dysrhythmia Henriksson NG, et al. **Acta Otolaryngol (Stockh)** 82(1–2):112–7, Jul–Aug 76

Vestibular dysfunction in familial dysautonomia. The Riley–Day syndrome. Siggers DC, et al. **Arch Dis Child** 50(11):890–3, Nov 75

The air caloric test. A parametric study. Coats AC, et al. **Arch Otolaryngol** 102(6):343–54, Jun 76

Electro–oculographic study of caloric vestibular reactions in patients with severe head injuries. van Weerden TW, et al. **Clin Neurol Neurosurg** 78(1):41–58, 1975

Proceedings: Vestibulometric evaluation of the caloric reaction in children and in adults. Krejčová H, et al. **Electroencephalogr Clin Neurophysiol** 39(4):441, Oct 75

Testing the vestibular system: value of the caloric test. pp 249–60. Proctor LR.
In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.

Normal values of caloric nystagmus measures. Rubinstein M, et al. **Isr J Med Sci** 12(3):264–5, Mar 76

Computer processing of audiological and vestibular data. II. A further note. Abel SM, et al. **Laryngoscope** 86(9):1342–50, Sep 76

The simultaneous binaural bithermal: a caloric test utilizing electronystagmography. Brookler KH. **Laryngoscope** 86(8):1241–50, Aug 76

The impulsive test in man. Konrad HR, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):232–8, Mar–Apr 76

Effect of tympanic membrane perforations on air caloric response in monkeys. Kozie DW, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):203–9, Mar–Apr 76

A rapid optokinetic nystagmus test: comparison with standard testing. Silis AW, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):223–31, Mar–Apr 76

[Vestibulometric evaluation of pathological caloric reactions in children] Krejčová H, et al. **Cesk Pediatr** 30(7–8):326–30, Aug 75 (Eng. Abstr.) **(Cze)**

[Disseminated sclerosis. Diagnostic value of clinical vestibular examination with special reference to optokinetic nystagmus] Thomsen J, et al. **Ugeskr Laeger** 138(26):1564–9, 21 Jun 76 (Eng. Abstr.) **(Dan)**

[Role of the cochleo-vestibular examination in evaluation of the sequelae of head injuries] Gillet B, et al. **Acta Otorhinolaryngol Belg** 29(4):639–49, 1975 **(Fre)**

[Modified swing test in rabbits. Application to the study of an antivertigo drug] Gonay P, et al. **Acta Otorhinolaryngol Belg** 29(3):540–52, 1975 **(Fre)**

[Evolution of a vestibular test during treatment of multiple sclerosis] Vaes P, et al. **Acta Otorhinolaryngol Belg** 29(3):553–7, 1975 **(Fre)**

[The slow phase of caloric nystagmus] Morgon A. **Acta Otorinolaryngol Iber Am** 24(4):69–72, Jul–Aug 73 **(Fre)**

[The slow phase of nystagmus in the caloric test] Semette D. **Acta Otorinolaryngol Iber Am** 24(4):75–7, Jul–Aug 73 **(Fre)**

[Acoustic neurinoma—a frequent lesion? Preliminary value of threshold tonal audiometry and caloric tests] Werner J, et al. **J Fr Otorhinolaryngol** 25(2):153–5, Feb 76 **(Fre)**

[Labyrinthine areflexias and nystagmus of otolithic origin] Secretan JP. **Rev Otoneuroophtalmol** 47(5):427–9, Oct–Dec 75 **(Fre)**

[Caloric test in consciousness disorders—its application and limitation] Yamamoto T, et al. **Clin Neurol (Tokyo)** 16(5):398–405, May 76 (Eng. Abstr.) **(Jpn)**

[The caloric eye tracking pattern test (CETP-test). I. Simplified differential diagnosis between peripheral and central vertigo (author's transl)] Sakata E, et al. **J Otolaryngol Jpn** 78(7):611–22, 20 Jul 75 (Eng. Abstr.) **(Jpn)**

[The sutdies of the vestibular functional test using the minor stimulations. (Part one; functions in normal cases) (author's transl)] Yamaguchi H. **J Otolaryngol Jpn** 78(3):207–17, 20 Mar 75 (Eng. Abstr.) **(Jpn)**

[Temperature measurement of fluids under conditions of stationary flow in caloric tests] Lukomski M. **Otolaryngol Pol** 29(4):389–91, 1975 (Eng. Abstr.) **(Pol)**

[Problems of so-called pseudocaloric response] Lukomski M. **Otolaryngol Pol** 30(2):151–3, 1976 (Eng. Abstr.) **(Pol)**

[Vestibular tests in studying the spectrum of action of psychotropic preparations] Voinova II, et al. **Farmakol Toksikol** 38(6):658–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Importance of expert opinion in the test for cumulation of Kariolis' acceleration] Iakovleva IIa, et al. **Vestn Otorinolaringol** (1):25–8, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

[Change of spatial assessment of motion after caloric stimulation of the vestibular apparatus] Voinova II. **Vestn Otorinolaringol** (5):42–5, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

[Vestibular disorders in contusions of the temporal lobe of the brain] Sheps SI. **Vopr Neirokhir** (6):27–31, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Influence of stimulation of the vestibular apparatus on the visual function (length of the false deformation of objects following stimulation of the vestibular apparatus)] Kekhaĭov AN. **Zh Ushn Nos Gorl Bolezn** (2):80–1, Mar–Apr 76 **(Rus)**

[Results of the polythermic test in patients with spontaneous cochlevestibular symptoms in Ménière's disease] Pomukhina AN, et al. **Zh Ushn Nos Gorl Bolezn** (5):81–2, Sep–Oct 75 **(Rus)**

[Arterial oscillography in the clinical evaluation of vestibular disorders in chronic encephalitis and cerebral arachnoiditis] Skvirskaia AA, et al. **Zh Ushn Nos Gorl Bolezn** (2):43–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Results of systomatic neurootological tests in patients with multiple sclerosis] Claussen CF, et al. **An Otorrinolaringol Ibero Am** 2(2):13–27, 1975 (Eng. Abstr.) **(Spa)**

[Vestibular recruitment and decruitment. Their study and meaning in the clinical manifestations of otoneurology] Estelrrich PR, et al. **An Otorrinolaringol Ibero Am** 2(1):96–127, 1975 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Proceedings: A continuously adjustable rotating room for vestibular research. Rodenburg M, et al. **ORL** 37(6):364–6, 1975

[Prototype of a swinging chair of our design] Latkowski B, et al. **Otolaryngol Pol** 29(6):657–62, 1975 (Eng. Abstr.) **(Pol)**

[Hospital vestibulometric chair] Markarian SS, et al. **Zh Ushn Nos Gorl Bolezn** (5):106–7, Sep–Oct 75 **(Rus)**

METHODS

A quantitative test of optokinetic nystagmus and its data processing by computer. Tokita T, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):159–68, 1975

Evaluation of a screening-procedure by hot-water caloric tests. Norré ME. **Acta Otorhinolaryngol Belg** 29(4):632–8, 1975

New approach to caloric stimulation of the vestibular receptor. Proctor LR, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):683–94, Sep–Oct 75

Caloric-eye tracking pattern test: I. Visual suppression and the possibility of simplified differential diagnosis between peripheral and central vertigo. Sakata E, et al. **Ann Otol Rhinol Laryngol** 85(2 pt.1):261–7, Mar–Apr 76

Cerebellar–pontine angle tumors. Results of quantitative vestibulo–ocular testing. Baloh RW, et al. **Arch Neurol** 33(7):507–12, Jul 76

Examination of the vestibular system by short-time accelerations. Bodó G. **Laryngoscope** 86(6):874–9, Jun 76

A new look at ENG in vestibular evaluations. Rubin W. **Med Times** 104(1):142–52, Jan 76

Effect of coronal plane tilt on cat caloric nystagmus

responses. Black FO, et al. **Surg Forum** 26:524–5, 1975

A method for adjusting the stimulus intensity of the air caloric test: preliminary report. Proctor LR, et al. **Trans Am Acad Ophthalmol Otolaryngol** 82(2):210–22, Mar–Apr 76

[Vestibulometric evaluation of the caloric reaction in children and adults] Krejčová H, et al. **Cesk Pediatr** 30(6):266–70, Jun 75 (Eng. Abstr.) **(Cze)**

[Personal technic for the diagnosis of vestibular disorders using neutralising acceleration] Latkowski B, et al. **Rev Laryngol Otol Rhinol (Bord)** 96(9–10):515–20, Sep–Oct 75 **(Fre)**

[The frequency–calorigram an analogous representation of the caloric nystagmus reaction] Haid T, et al. **Laryngol Rhinol Otol (Stuttg)** 55(8):654–9, Aug 76 (Eng. Abstr.) **(Ger)**

[Reduction of the bloodflow in the vestibular centre] Moser M. **Laryngol Rhinol Otol (Stuttg)** 55(8):665–9, Aug 76 (Eng. Abstr.) **(Ger)**

[Circular eye–tracking test (CETT). – The second report – From a consideration of 55 cases with central disorders (author's transl)] Umeda Y, et al. **J Otolaryngol Jpn** 78(4):316–22, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[The studies of the vestibular functional test, using the minor rotatory stimulations. (Part two; functions in pathological cases) (author's transl)] Yamaguchi H. **J Otolaryngol Jpn** 78(4):299–307, 20 Apr 75 (Eng. Abstr.) **(Jpn)**

[Ways for a further improvement in the methods of vestibular selection] Iuganov EM, et al. **Voen Med Zh** (8):55–7, Aug 75 **(Rus)**

[Electronystagmography, electroencephalography and electrocardiography as methods of objective registration of the function of the vestibular apparatus] Kandaurov IF, et al. **Zh Ushn Nos Gorl Bolezn** (2):28–30, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Diagnostic value of simultaneous vestibular function test by cupulometry and Pendel test] Simonović M. **Med Pregl** 28(9–10):407–11, 1975 **(Ser)**

[Speed of the slow phase in the softer pendular tests] Poch Broto J. **An Otorrinolaringol Ibero Am** 1(6):13–50, 1974 (Eng. Abstr.) **(Spa)**

VESTIBULAR NERVE

[Vestibular neuronitis] Oliveras J. **An Otorrinolaringol Ibero Am** 1(3):94–110, 1974 (Eng. Abstr.)

Herniation of the singular nerve into the round window niche. Okano Y, et al. **Arch Otolaryngol** 102(8):478–81, Aug 76

[Regeneration nystagmus] Debain JJ. **Ann Otolaryngol Chir Cervicofac** 91(12):691–3, Dec 74 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Projection of thalamic neurons to cat primary vestibular cortical fields studied by means of retrograde axonal transport of horseradish peroxidase. Liedgren SR, et al. **Exp Brain Res** 24:237–43, 26 Jan 76

DRUG EFFECTS

[Vestibulo–oculomotor and trigemino–facial reflexes and H–reflex in the course of central depression produced by sodium gamma–hydroxybutyrate] Puca F, et al. **Riv Neurol** 45(2):203–9, Apr–Jun 75 **(Ita)**

[Trigemino–facial and vestibulo–oculomotr reflexes during central depression induced by GHB (author's transl)] Ferrannini E, et al. **Riv Patol Nerv Ment** 95(5):724–30, Oct 74 **(Ita)**

ENZYMOLOGY

On the acetylcholinesterase activity in the vestibular ganglion of the rat. Wicke W, et al. **Acta Morphol Neerl Scand** 14(1):31–8, Feb 76

PHYSIOLOGY

Responses of peripheral vestibular neurons to angular and linear accelerations in the squirrel monkey. Goldberg JM, et al. **Acta Otolaryngol (Stockh)** 80(1–2):101–10, Jul–Aug 75

Vestibular evoked potentials in thalamus and basal ganglia of the squirrel monkey (Saimiri sciureus). Liedgren SR, et al. **Acta Otolaryngol (Stockh)** 81(1–2):73–82, Jan–Feb 76

Effects of cholinergic agonists and antagonists of nucleus vestibularis lateralis unit discharge to vestibular nerve stimulation in the cat. Matsuoka I, et al. **Acta Otolaryngol (Stockh)** 80(5–6):422–8, Nov–Dec 75

Experimental studies on the nerve—sensory cell relationship during degeneration and regeneration in ampullar nerves of the frog labyrinth. Gleisner L, et al. **Acta Otolaryngol [Suppl] (Stockh)** (333):1–28, 1975

Effect of different vestibular lesions upon body equilibrium function in squirrel monkeys. Igarashi M, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):91–9, 1975

Responses of motor cortex cells to tilt in the 'encéphale isolé' cat. Boisacq–Schepens N, et al. **Brain Res** 92(1):149–52, 4 Jul 75

Two populations of afferent fibres in the saccular nerve of the frog (Rana esculenta). Cazin L, et al. **Brain Res** 114(3):501–4, 24 Sep 76

The role of vestibular and neck afferents during eye–head coordination in the monkey. Dichgans J, et al. **Brain Res** 71(2–3):225–32, 17 May 74

Modifications and development of spinal reflexes in the alert baboon (Papio papio) following an unilateral vestibular neurotomy. Lacour M, et al. **Brain Res** 113(2):255–69, 27 Aug 76

Transfer characteristics of first and second order lateral canal vestibular neurons in gerbil. Schneider LW, et al. **Brain Res** 112(1):61–76, 6 Aug 76

Functional characterization of primary vestibular afferents in the frog. Blanks RH, et al. **Exp Brain Res** 25(4):369–90, 30 Jun 76

Pathways for the vestibulo–ocular reflex excitation arising from semicircular canals of rabbits. Ito M, et al. **Exp Brain Res** 24:257–71, 26 Jan 76

Postsynaptic inhibition of oculomotor neurons involved in vestibulo–ocular reflexes arising from semicircular canals of rabbits. Ito M, et al. **Exp Brain Res** 24:273–83, 26 Jan 76

Behavior of horizontal semicircular canal afferents in alert monkey during vestibular and optokinetic stimulation. Keller EL. **Exp Brain Res** 24(5):459–71, 15 Mar 76

The response of 8th nerve fibers to horizontal sinusoidal oscillation in the alert monkey. Louie AW, et al. **Exp Brain Res** 24(5):447–57, 15 Mar 76

Ocular changes in monkeys after lesions of the superior and medial vestibular nuclei and the vestibular nerve roots. pp 187–202. Cohen B, et al. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

The vestibulo—cerebellar relationships: vestibulo–ocular reflex arc and flocculus. pp 129–46. Ito M. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

The peripheral neuron. pp 99–107. Lowenstein O. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Physiologic characteristics of vestibular first–order canal neurons in the cat. II. Response to constant angular acceleration. Blanks RH, et al. **J Neurophysiol** 38(5):1250–68, Sep 75

Physiologic characteristics of vestibular first–order canal neurons in the cat. I. Response plane determination and resting discharge characteristics. Estes MS, et al. **J Neurophysiol** 38(5):1232–49, Sep 75

Representation of vestibular afferents in somatosensory thalamic nuclei of the squirrel monkey (Saimiri sciureus). Liedgren SR, et al. **J Neurophysiol** 39(3):601–12, May 76

Changes in responses of medial pontomedullary reticular neurons during repetitive cutaneous, vestibular, cortical, and tectal stimulation. Peterson BW, et al. **J Neurophysiol** 39(3):564–81, May 76

A vestibulothalamic pathway: electrophysiological demonstration in the cat by localized cooling. Sans A, et al. **J Neurosci Res** 2(2):167–74, 1976

[A comparative analysis of pursuit, saccade and vestibulooccular eye movements in oculomotor dysfunctions (author's trans)] Tsutsui J, et al. **Acta Soc Ophthalmol Jpn** 79(9):1292–308, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Changes in plethysmograph on caloric irrigation. II. Significance of plethysmograph by way of autonomic nervous reaction (author's transl)] Kamijō A. **J Otolaryngol Jpn** 78(9):839–49, 20 Sep 75 (Eng. Abstr.) **(Jpn)**

[Responses of the lateral rectus muscle induced by electric stimulation to the vestibular and the abducens nerves, and their comparison with nystagmus in cats (author's transl)] Yamanaka Y, et al. **J Otolaryngol Jpn** 78(5):397–405, 20 May 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Control mechanism of vestibular oculomotor reflex by cerebellar flocculus] Ito M, et al. **J Physiol Soc Jpn** 36(8–9):270, 1 Sep 74 **(Jpn)**

[Responses of the units of the nerve of the frog semicircular canal to caloric stimuli of changing amplitude] Orlov IV. **Fiziol Zh SSSR** 61(11):1640–51, Nov 75 **(Rus)**

PHYSIOPATHOLOGY

Diseases of the end organ and vestibular nerve. pp 299–302. McCabe BF. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Electrophysiological responses from the cochlea and inferior colliculus in guinea pigs after head injury. Makishima K, et al. **Laryngoscope** 85(12 pt 1):1947–57, Dec 75

Vestibular involvement in Bell's palsy. Rauchbach E, et al. **Laryngoscope** 85(8):1396–8, Aug 75

[Vestibulo–oculomotor reflexes in the course of dysmetabolic coma (author's transl)] Genco S, et al. **Riv Patol Nerv Ment** 95(5):731–6, Oct 74 (Eng. Abstr.) **(Ita)**

[Disorders of the vestibular analyzer in the residual period of tick–borne encephalitis with a two–wave course] Vlasov AI, et al. **Vestn Otorinolaringol** (4):43–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

SURGERY

Technique for vestibular neurotomy in the rat. Potegal M, et al. **Physiol Behav** 14(2):217–21, Feb 75

[Cochleovestibular neurectomy] Piquet JJ, et al. **J Fr Otorhinolaryngol** 24(7):519–20, Sep 75 **(Fre)**

[Technics of postoperative rehabilitation after vestibular neurectomy and examples of their use] Semon A. **Probl Actuels Otorhinolaryngol** :115–8, 1973 **(Fre)**

[Vestibular neurectomy and equilibrium] Sterkers JM, et al. **Probl Actuels Otorhinolaryngol** :89–113, 1973 **(Fre)**

ULTRASTRUCTURE

[Human Scarpa ganglion cell sheath] Perre J, et al. **C R Acad Sci [D] (Paris)** 280(11):1405–6, 17 Mar 75 (Eng. Abstr.) **(Fre)**

VESTIBULAR NUCLEI

[Experimental vestibulopathy produced as a result of formation of a generator of pathologically enhanced excitation in the vestibular nuclei (phenomenon of a determinative dispatch station)] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 81(2):147–50, Feb 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

Quantitative cyto– and histochemical studies of the Deiter's nucleus and nodular cortex of cerebellum in rats exposed to weightlessness. Krasnov IB. **Aviat Space Environ Med** 46(9):1119–22, Sep 75

Gamma–aminobutyric acid (GABA) concentration in a single neuron—localization of GABA in Deiters' neuron. Okada Y, et al. **Brain Res** 107(3):658–62, 14 May 76

ANATOMY & HISTOLOGY

The vestibular nuclei in the domestic hen (Gallus domesticus). I. Normal anatomy. Wold JE. **Anat Embryol (Berl)** 149(1):29–46, 21 Apr 76

Afferents to the vestibulo–cerebellum and the origin of the visual climbing fibers in the rabbit. Alley K, et al. **Brain Res** 98(3):582–9, 21 Nov 75

The reticulovestibular projection in the cat. An experimental study with silver impregnation methods. Hoddevik GH, et al. **Brain Res** 94(3):383–99, 5 Sep 75

The vestibular nuclei in the domestic hen (Gallus domesticus). II. Primary afferents. Wold JE. **Brain Res** 95(2–3):531–43, 23 Sep 75

Anatomical aspects of the functional organization of the vestibulospinal pathways. pp 71–96. Nyberg–Hansen R. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Synopsis of current knowledge about ascending projections from the vestibular nuclei. pp 55–69. Tarlov E. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

The vestibular nuclei and their connections with the eighth nerve and the cerebellum. pp 31–53. Walberg F. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.** (85 ref.)

Relationship between the medial longitudinal fasciculus and the dorsal longitudinal fasciculus. Ban T, et al. **Med J Osaka Univ** 25(3–4):79–94, Mar 75

[Synaptic organization of the vestibular nucleus in the medulla oblongata of the frog Rana temporaria] Adanina VO. **Zh Evol Biokhim Fiziol** 11(3):323–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of cholinergic agonists and antagonists of nucleus vestibularis lateralis unit discharge to vestibular nerve stimulation in the cat. Matsuoka I, et al. **Acta Otolaryngol (Stockh)** 80(5–6):422–8, Nov–Dec 75

Characteristicas and response differences to iontophoretically applied norepinephrine, D–amphetamine and acetylcholine on neurons in the medial and lateral vestibular nuclei of the cat. Kirsten EB, et al. **Brain Res** 112(1):77–90, 6 Aug 76

Rhythmic firing of Deiters' neurons and synchronization by cerebellar inhibition in lidocaine–treated cats. Sangiah S, et al. **Brain Res** 93(3):409–18, 15 Aug 75

Descending supraspinal effects under conditions of disturbance of the inhibitory processes in the nuclei of the medulla: the formation of the generators of excitation. Kryzhanovsky GN, et al. **Exp Neurol** 50(2):387–401, Feb 76

Antagonistic effects of GABA and benzodiazepines on vestibular and cerebellar neurones. Steiner FA, et al. **Nature** 260(5549):346–7, 25 Mar 76

Antagonism by diphenylaminoethanol of GABA–induced inhibition of Deiters neurones. Kee RD, et al. **Neuropharmacology** 14(11):785–90, Nov 75

GROWTH & DEVELOPMENT

[Postnatal maturation of vestibular nuclei in the cat: histological study by the Golgi–Cox method (author's transl)] Sans A, et al. **Brain Res** 111(1):13–30, 23 Jul 76 (Eng. Abstr.) **(Fre)**

METABOLISM

Studies of suspected neurotransmitters in the vestibuloocular pathways. Roffler–Tarlov S, et al. **Brain Res** 95(2–3):383–94, 23 Sep 75

Rotation induced increases of glucose uptake in rat vestibular nuclei and vestibulocerebellum. Sharp FR. **Brain Res** 110(1):141–51, 25 Jun 76

PATHOLOGY

The effects of centrifugation on the morphology of the lateral vestibular nucleus in the rat: a light and electron microscopic study. Johnson JE Jr, et al. **Brain Res** 106(2):205–21, 23 Apr 76

[Vestibular pathology in amyotrophic lateral sclerosis] Bunina TL, et al. **Zh Nevropatol Psikhiatr** 74(2):202–5, 1974 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Voluntary, non–visual control of the human vestibulo–ocular reflex. Barr CC, et al. **Acta Otolaryngol (Stockh)** 81(5–6):365–75, May–Jun 76

Influence of the hypothalamic stimulation of vestibular nuclei units in the rat. Matsunaga T, et al. **Acta Otolaryngol (Stockh)** 80(3–4):206–13, Sep–Oct 75

Firing mechanisms in the single vestibular neurons in the cat. Matsuoka I, et al. **Acta Otolaryngol (Stockh)** 80(5–6):415–21, Nov–Dec 75

Responses of cortical vestibular center produced by stimulation of vestibular nuclei and visual association area in the cat. Watanabe S, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):147–58, 1975

Effects from the vestibulospinal tract on transmission from primary afferents to ventral spino–cerebellar tract neurones. Baldissera F, et al. **Acta Physiol Scand** 29(2):217–32, Feb 76

Central vestibular compensation. Effect of the bilateral labyrinthectomy on neural activity in the medial vestibular nucleus. Ryu JH, et al. **Arch Otolaryngol** 102(2):71–6, Feb 76

Neuronal activity underlying vestibular nystagmus in the oblique oculomotor system of the cat. Berthoz A, et al. **Brain Res** 71(2–3):233–8, 17 May 74

The activity of identified secondary vestibular neurons during nystagmus. Grant K, et al. **Brain Res** 105(2):342–6, 26 Mar 76

Characteristics of head rotation and eye movement–related neurons in alert monkey vestibular nucleus. Keller EL, et al. **Brain Res** 100(1):182–7, 12 Dec 75

Vestibular neuronal discharge evoked by intracellular current injection. Kirsten EB. **Brain Res** 97(2):344–9, 31 Oct 75

Single unit firing patterns in the vestibular nuclei related to voluntary eye movements and passive body rotation in conscious monkeys. Miles FA. **Brain Res** 71(2–3):215–24, 17 May 74

Reduction of GABA synthesis following lesions of inhibitory vestibulotrochlear pathway. Roffler–Tarlov S, et al. **Brain Res** 91(2):326–30, 27 Jun 75

Vestibular–neck integration in the vestibular nuclei. Rubin AM, et al. **Brain Res** 96(1):99–102, 10 Oct 75

Rhythmic firing of Deiters' neurons and synchronization by cerebellar inhibition in lidocaine–treated cats. Sangiah S, et al. **Brain Res** 93(3):409–18, 15 Aug 75

Somatosensory representation in the vestibulocerebellum. Schwarz DW, et al. **Brain Res** 102(1):181–4, 30 Jan 76

Functional organization of vestibulofastigial projection in the horizontal semicircular canal system in the cat. Furuya N, et al. **Exp Brain Res** 24(1):75–87, 28 Nov 75

Transcerebellar inhibitory interaction between the bilateral vestibular nuclei and its modulation by cerebellocortical activity. Furuya N, et al. **Exp Brain Res** 25(I):447–63, 28Jul 76

The vestibulospinal tract: crossed and uncrossed effects on hindlimb motoneurones in the cat. Hongo T, et al. **Exp Brain Res** 24(1):37–55, 28 Nov 75

Ocular changes in monkeys after lesions of the superior and medial vestibular nuclei and the vestibular nerve roots. pp 187–202. Cohen B, et al. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Vestibulo–spinal relationships. pp 147–84. Pompeiano O. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Physiology of the vestibular nuclei. pp 109–28. Wilson VJ. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**

Unit activity in vestibular nucleus of the alert monkey during horizontal angular acceleration and eye movement. Fuchs AF, et al. **J Neurophysiol** 38(5):1140–61, Sep 75

Properties of projections from vestibular nuclei to medial reticular formation in the cat. Peterson BW, et al. **J Neurophysiol** 38(6):1421–35, Nov 75

Mossy fiber neck and second–order labyrinthine projections to cat flocculus. Wilson VJ, et al. **J Neurophysiol** 39(2):301–10, Mar 76

Proceedings: Response of the periphery of the presylvian fissure to stimulation of the vestibular nuclei in cats. Miyake S, et al. **J Physiol Soc Jpn** 36(8–9):287, 1 Sep 74

Neuronal activity in the lateral vestibular nucleus of the cat. V. Topographical distribution of inhibitory effects mediated by the spino–olivocerebellar pathway. Bruggencate G ten, et al. **Pfluegers Arch** 360(4):321–36, 28 Nov 75

Neuronal activity in the lateral vestibular necleus of the cat. IV. Postsynaptic potentials evoked by stimulation of peripheral somatic nerves. Bruggencate G ten, et al. **Pfluegers Arch** 360(4):301–20, 28 Nov 75

Alterations of the human vestibulo–ocular reflex in a simulated dive at 62 ATA. Gauthier GM. **Undersea Biomed Res** 3(2):103–12, Jun 76

[Pathways and ascending vestibular projections emanating from primary nuclei: radioautographic study (author's transl)] Raymond J, et al. **Brain Res** 111(1):1–12, 23 Jul 76 (Eng. Abstr.) **(Fre)**

[Double central projection of VIIIth cranial nerve in the frog (Rana esculenta L.)] Pinard J. **C R Soc Biol (Paris)** 169(1):194–8, 1975 (Eng. Abstr.) **(Fre)**

[Responses of neurons of Deiter's nucleus to activation of ponto–cerebellar systems] Agliotta S, et al. **Boll Soc Ital Biol Sper** 50(23–24):2129–30, 30 Dec 74 **(Ita)**

[Electrophysiological study on the vestibular neurons of the rat. I. Response to pendular rotational stimulation (author's transl)] Kubo T, et al. **J Otolaryngol Jpn** 78(7):582–90, 20 Jul 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Organization of the vestibular spinal pathway] Akaike T. **J Physiol Soc Jpn** 36(8–9):271, 1 Sep 74 **(Jpn)**

[Proceedings: Vestibular input to the cerebellar nucleus fastigii] Furuya N, et al. **J Physiol Soc Jpn** 36(8–9):271–2, 1 Sep 74 **(Jpn)**

[Proceedings: Effect of cerebellum and brain stem on the vestibular oculomotor reflex system in cats] Shinoda Y, et al. **J Physiol Soc Jpn** 36(8–9):272, 1 Sep 74 **(Jpn)**

[Letter: Origin of modulation of vestibulospinal neuron activity during scratching] Arshavskiĭ IuI, et al. **Biofizika** 20(5):946–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Electrophysiologic effects of stimulating the vestibular nuclei on the sensomotor cortex of cats] Vereshchagina EM, et al. **Fiziol Zh SSSR** 61(8):1146–52, Aug 75 (Eng. Abstr.) **(Rus)**

[Classification of the vestibulospinal neurons of the cat Deiter's nucleus] Fanardzhian VV, et al. **Neirofiziologiia** 7(6):617–23, 1975 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Analysis of a case of periodic alternating nystagmus. Rudge P, et al. **J Neurol Neurosurg Psychiatry** 39(4):314–9, Apr 76

[Disturbance of vestibular control of the reflex activity of the spinal cord in experimental thyrotoxicosis] Gol'ber LM, et al. **Patol Fiziol Eksp Ter** (1):59–63, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A fine structural study of degenerative–regenerative pathology in the surgically deafferentated lateral vestibular nucleus of the rat. Johnson JE Jr. **Acta Neuropathol (Berl)** 33(3):227–43, 19 Dec 75

Localization of S–100 protein in isolated nerve cells by immunoelectron microscopy. Hansson HA, et al. **Brain Res** 93(2):349–52, 8 Aug 75

VESTIBULOPLASTY

Oral surgery in general dental practice. Pre–prosthetic surgery. Summers L. **Aust Dent J** 20(5):294–7, Oct 75

Visor osteotomy to increase the absolute height of the atrophied mandible. A preliminary report. Härle F. **J Maxillofac Surg** 3(4):257–60, Dec 75

Patients' evaluations of mandibular skin graft vestibuloplasty. Bell FA. **J Oral Surg** 34(8):707–10, Aug 76

Split–thickness skin grafts transplanted over exposed maxillary bone in dogs. Sanders B, et al. **J Oral Surg** 34(6):510–3, Jun 76

Vestibuloplasty with skin grafting. Yrastorza JA. **J Oral Surg** 34(1):29–33, Jan 76

[Comparative cytological studies of the mucosa in Edlan and Mejchar mucosal flaps] Flores de Jacoby L, et al. **Dtsch Zahnaerztl Z** 31(5):443–6, May 76 **(Ger)**

[Plastic mucosa replacement with lyophilized dura] Pieritz U, et al. **Fortschr Kiefer Gesichtschir** 20:102–4, 1976 **(Ger)**

METHODS

Maxillary and mandibular vestibuloplasty for improved denture retention. Phillips H, et al. **J Can Dent Assoc** 41(10):569–71, Oct 75

Modified technique for palatal mucosal grafts in mandibular labial vestibuloplasty. Sanders B, et al. **J Oral Surg** 33(12):950–2, Dec 75

A methodological analysis and follow–up of vestibular plasty and skin grafting. Tasanen A, et al. **Proc Finn Dent Soc** 71(5):176–83, Oct 75

[Our experiments with various preprosthetic surgical interventions] Rothe G, et al. **Stomatol DDR** 26(7):452–7, Jul 76 (Eng. Abstr.)

[2 special technics improving the results of Trauner mylohyoid plasty] Landais H. **Rev Stomatol Chir Maxillofac** 76(1):65–70, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Special technics for the enlargement of the vestibulum] de Jacoby LF. **Dtsch Zahnaerztl Z** 31(8):643–6, Aug 76 (Eng. Abstr.) **(Ger)**

[Whole–skin transplantation in periodontal surgery] Geiger SA, et al. **Dtsch Zahnaerztl Z** 31(8):647–50, Aug 76 (Eng. Abstr.) **(Ger)**

[Visor osteotomy of the atrophic mandible for the absolute raising of the crest] Härle F. **Dtsch Zahnaerztl Z** 30(8):561, Aug 75 **(Ger)**

[Results of various technics for the widening of the vestibulum] Lange DE, et al. **Dtsch Zahnaerztl Z** 31(5):371–6, May 76 **(Ger)**

[The prosthetic care of the mandible after absolute raising of the alveolar crest by means of visor–osteotomy] Lenz P, et al. **Dtsch Zahnaerztl Z** 31(4):326–30, Apr 76 (Eng. Abstr.) **(Ger)**

[Fluorescence angiographic studies of blood circulation in split mucosal flaps in the Edlan and Mejchar vestibuloplasty] Mörmann W, et al. **Dtsch Zahnaerztl Z** 31(7):560–5, Jul 76 **(Ger)**

[Partial vestibuloplasty with secondary epithelization] Baumann M. **Schweiz Monatsschr Zahnheilkd** 86(1):17–28, Jan 76 (Eng. Abstr.) **(Ger)**

[The flat vestibulum. Problems, indications for surgery, modification of vestibuloplasty and evaluation of success] Schmidt H. **Stomatol DDR** 25(9):612–6, Sep 75 (Eng. Abstr.) **(Ger)**

[Experience with surgical deepening of the oral vestibulum in the mandible] Sponholz H, et al. **Stomatol DDR** 25(9):607–11, Sep 75 (Eng. Abstr.) **(Ger)**

[Edlan–Mejchar's method as a preprosthetic surgical measure for the stabilization of total mandibular prostheses. Report on first experiences] Vogel W, et al. **Stomatol DDR** 25(8):541–5, Aug 75 **(Ger)**

[Experimental study of the creation of a mucobuccal sulcus] Chatzephotiades D. **Stomatologia (Athenai)** 32(5):243–56, Sep–Oct 75 **(Gre)**

STANDARDS

[Clinical results with Edlan and Mejchar's vestibuloplasty] de Jacoby LF, et al. **Dtsch Zahnaerztl Z** 30(9):581–5, Sep 75 (Eng. Abstr.) **(Ger)**

VETERANS ADMINISTRATION see **UNITED STATES VETERANS ADMINISTRATION**

VETERANS AFFAIRS

The Vietnam veteran: the task is re–integration. Straker M. **Dis Nerv Syst** 37(2):75–9, Feb 76

Analysis of geriatric surgical experience in a veterans home. Jake RJ. **J Am Geriatr Soc** 24(8):374–8, Aug 76

Some experiences in consulting to a community of retired soldiers. Merowitz M. **J Geriatr Psychiatry** 8(2):159–71, 1975

[Experience in the organization of the treatment of World War II invalids with tuberculosis of the respiratory organs] Berezovskiĭ BA, et al. **Probl Tuberk** (6):83–4, 1975 **(Rus)**

[Drug needs among invalids of the Patriotic War] Cherniavskii SV. **Zdravookhr Ross Fed** (12):38, Dec 75 **(Rus)**

HISTORY

[From the history of care of war invalids in our country (author's transl)] Wondrák E. **Cas Lek Cesk** 115(5):151–6, 6 Feb 76 **(Cze)**

VETERANS DISABILITY CLAIMS

see related
DISABILITY EVALUATION

[Organization of medical service and social insurance of invalids of the Great Patriotic War in the Ukrainian SSR] Iastreb NI. **Vrach Delo** (4):1–7, Apr 75 **(Rus)**

VETERINARY MEDICINE

see related
ANIMAL DISEASES

Toxoplasma antibody prevalence in veterinary personnel and a selected population not exposed to cats. Sengbusch HG, et al. **Am J Epidemiol** 103(6):595–7, Jun 76

Changing career specialties within veterinary medicine. Snizek WE, et al. **Am J Public Health** 66(4):381–2, Apr 76

Dr. A. A. Seawright awarded degree of Doctor of Veterinary Science. **Aust Vet J** 51(1):52–3, Jan 75

The value of a professional practice. **Aust Vet J** 52(4):189–91, Apr 76

Editorial: The Swann Report on the veterinary profession in the United Kingdom. Beveridge WI. **Aust Vet J** 52(4):147–8, Apr 76

A functional computer recording system for a veterinary diagnostic laboratory. Elder JK. **Aust Vet J** 52(1):24–35, Jan 76

Responsibility of the veterinarian in public health. Francis J. **Aust Vet J** 51(11):516–24, Nov 75

Advancing with the Australian Veterinary Association. Hyne RH. **Aust Vet J** 51(12):574–5, Dec 75

Editorial: An ugly duckling? **Br Vet J** 131(5):505–8, Sep–Oct 75

Impressions of veterinary education and the practice of veterinary medicine in China. Cockrill WR. **Br Vet J** 131(6):633–8, Nov–Dec 75

Definition, role and importance of good nursing care in veterinary medicine. Cleland SL. **Can Vet J** 16(8):242–3, Aug 75

Specialization in veterinary medicine—viewpoint of a general practitioner. Doig PA. **Can Vet J** 16(10):297–301, Oct 75

Animals, research and medicine. Gibson WC. **Can Vet J** 17(5):144, May 76

Case records: their value in population medicine. Martin SW. **Can Vet J** 17(4):116–8, Apr 76

Letter to editor: Preventive veterinary medicine: the star of our profession is rising. Sonya S. **Can Vet J** 16(9):277–8, Sep 75

Toxoplasmosis in veterinarians: an investigation into possible sources of infection. Tizard IR, et al. **Can Vet J** 17(1):24–5, Jan 76

Specialization—when, where, how. Walker JM. **Can Vet J** 16(10):301–3, Oct 75

This is veterinary toxicology. pp. 11–26. Oehme FW. **In: Winek CL, ed. Toxicology annual 1974. New York, Dekker, 1975. W1 TO95BE.** (16 ref.)

Letter: The military veterinarian. **J Am Vet Med Assoc** 167(7):503–526, 529, 1 Oct 75

Letter: Why no veterinary malpractice insurance crisis? **J Am Vet Med Assoc** 167(10):902–4, 15 Nov 75

Beyond 'adequate veterinary care'. Anchel M. **J Am Vet Med Assoc** 168(6):513–7, 15 Mar 76

Onward and upward: where is it? Cameron DB. **J Am Vet Med Assoc** 168(12):1135–7, 15 Jun 76

Veterinary public health aspects of animal regulation. Dieterich WH. **J Am Vet Med Assoc** 167(9):830–2, 1 Nov 75

Malpractice claims in small animal practice. Dinsmore JR. **J Am Vet Med Assoc** 168(10):944–6, 15 May 76

Editorial: Advertising –promise without fulfillment. Freeman A. **J Am Vet Med Assoc** 168(8):674–7, 15 Apr 76

Fees and antitrust laws. Hannah HW. **J Am Vet Med Assoc** 167(9):796–8, 1 Nov 75

Veterinarians and wild animals. Hannah HW. **J Am Vet Med Assoc** 167(8):720–1, 15 Oct 75

Euthanasia—some legal aspects. Hannah HW. **J Am Vet Med Assoc** 168(1):32, 1 Jan 76

Collecting fees—some legal aspects. Hannah HW. **J Am Vet Med Assoc** 168(4):278, 15 Feb 76

Damages to the veterinarian. Hannah HW. **J Am Vet Med Assoc** 168(5):404–6, 1 Mar 76

Veterinarians, horse trainers, and racing boards. Hannah HW. **J Am Vet Med Assoc** 168(11):1004–8, 1 Jun 76

Veterinarians as Good Samaritans. Hannah HW. **J Am Vet Med Assoc** 169(2):198, 15 Jul 76

Some developments in workmen's compensation. Hannah HW. **J Am Vet Med Assoc** 169(3):292, 1 Aug 76

Veterinarians' diagnostic errors. Hannah HW. **J Am Vet Med Assoc** 169(5):492–494, 1Sep 76

What does 'adequate veterinary care' mean to the American College of Laboratory Animal Medicine? Melby EC Jr. **J Am Vet Med Assoc** 168(6):508–9, 15 Mar 76

Extension veterinary medicine can contribute to regulatory programs. Meyerholz GW. **J Am Vet Med Assoc** 167(9):844–6, 1 Nov 75

Adequate veterinary care as viewed by the American Association for Accreditation of Laboratory Animal Care. Pakes SP. **J Am Vet Med Assoc** 168(6):519–21, 15 Mar 76

Brucella infections in Illinois veterinarians. Schnurrenberger PR, et al. **J Am Vet Med Assoc** 167(12):1084–8, 15 Dec 75

On treating political animals. Schwabe CW. **J Am Vet Med Assoc** 168(4):329–34, 15 Feb 76

An evaluation of adequate veterinary care by the US Department of Agriculture. Schwindaman DF. **J Am Vet Med Assoc** 168(6):517–9, 15 Mar 76

Extrapolations from the pain research literature to problems of adequate veterinary care. Vierck CJ Jr. **J Am Vet Med Assoc** 168(6):510–3, 15 Mar 76 (21 ref.)

Editorial: AVMA and the foreign graduate. West RL. **J Am Vet Med Assoc** 167(10):920–2, 15 Nov 75

American Registry of certified Animal Scientists (ARCAS). Effective July 1, 1975. **J Anim Sci** 41(1):460–87, Jul 75

Disinfection of containers and stoppers prior to sterility testing veterinary biological products. Christianson GG, et al. **J Biol Stand** 4(2):155–61, Apr 76

Proceedings: Brucellosis and veterinary surgeons. Henderson RJ. **J Med Microbiol** 8(4):Pxvii, Nov 75

Brucellosis in veterinary surgeons in Wales. Williams E. **J R Coll Physicians Lond** 10(4):351–62, Jul 76

Editorial: The veterinarian and the pharmacist. **J S Afr Vet Assoc** 57(2):75–6, Jun 76

Presidential address: Biennial National Veterinary Congress, Durban September 1975. Pappin BH. **J S Afr Vet Assoc** 47(1):7–9, Mar 76 **(Eng, Afr)**

Sociological and ethical considerations in small animal practice. Singleton WB. **J S Afr Vet Assoc** 57(2):77–80, Jun 76

Opening address by his Honour J.P. van der Spuy, Minister of National Education, of the Congress of the South African Veterinary Association, Durban, 8 September 1975. van der Spuy JP. **J S Afr Vet Assoc** 47(1):5–6, Mar 76 **(Eng, Afr)**

Editorial: The BSAVA comes of age. **J Small Anim Pract** 16(6):363–4, Jun 75

Editorial: A beginning – not an end. **J Small Anim Pract** 16(7):v–vii, Jul 75

The Journal of Small Animal Practice. Arthur GH. **J Small Anim Pract** 16(11):751–9, Nov 75

Editorial: Veterinary medical participation in hospital clinical research. Jennings PB. **Milit Med** 141(8):555–6, Aug 76

What do national meetings give to the DVM? **Mod Vet Pract** 56(9):621–5, Sep 75

The road ahead for veterinary medicine. **Mod Vet Pract** 56(10):693–7, Oct 75

Term vs whole life. **Mod Vet Pract** 56(10):683–5, Oct 75

Professional help to increase collections. **Mod Vet Pract** 56(11):747–9, Nov 75

Contracts and co-ops for herd health programs. **Mod Vet Pract** 56(11):751–3, Nov 75

What counts with the DVM-choosing public? **Mod Vet Pract** 56(12):819–23, Dec 75

Inflation and fees: how can you keep up? **Mod Vet Pract** 56(12):825–8, Dec 75

Good communications = good collections. **Mod Vet Pract** 56(12):813–4, Dec 75

Employee motivation. **Mod Vet Pract** 57(1):13–5, Jan 76

Get ready! Here comes the trustbusters. **Mod Vet Pract** 57(1):17–21, Jan 76

Planning: the readiness is all. **Mod Vet Pract** 57(3):161–6, Mar 76

Choosing a tax adviser. **Mod Vet Pract** 57(2):85–6, Feb 76

The rewards and the frustrations of practice. **Mod Vet Pract** 57(3):171–4, Mar 76

Recent tax trends. **Mod Vet Pract** 57(4):261–2, Apr 76

Can you survive an IRS audit? **Mod Vet Pract** 57(4):265–9, Apr 76

Financial tips. **Mod Vet Pract** 57(5):341–3, May 76

What is your practice worth? **Mod Vet Pract** 57(6):431–6, Jun 76

Communications: coming and going. **Mod Vet Pract** 57(8):587–8, Aug 76

Pay policy primer. **Mod Vet Pract** 57(7):508–9, Jul 76

Do-it-yourself medicine: is everybody a doctor? **Mod Vet Pract** 57(8):589–93, Aug 76

Divorce: how to avoid it in your practice. **Mod Vet Pract** 57(7):511–5, Jul 76

Has the time come for veterinary 'clubs'? Anderson DC. **Mod Vet Pract** 56(11):755–7, Nov 75

General eclectic or 'How ya doing, Joe?' 'I'm continuing, Ed.' Antelyes J. **Mod Vet Pract** 56(9):610–3, Sep 75

The care and feeding of an associate veterinarian. Davis WH. **Mod Vet Pract** 57(6):439–4, Jun 76

Accountability: the who, why, what, when, & how. Schauffler AF. **Mod Vet Pract** 56(9):607–9, Sep 75

Conference of the New Zealand Veterinary Association. Opening address. Barclay BG. **NZ Vet J** 22(11):201–4, Nov 74

Aspects of practice management. Gannon JR. **NZ Vet J** 22(11):210–3, Nov 74

Presidential address: change. Steel RG. **NZ Vet J** 22(11):205–9, Nov 74

Investigations on the presence of hepatitis antigen and of the homologous antiboides in veterinarians and workers attending to animals. Surdan C, et al. **Rev Roum Virol** 25(4):343–5, 1974

Past, present, and future business outlook. Bailey C. **Vet Clin North Am** 6(1):13–21, Feb 76

Bank services for the veterinarian. Baker WE. **Vet Clin North Am** 6(1):23–8, Feb 76

How veterinarians waste money. Dooley DR. **Vet Clin North Am** 6(1):131–41, Feb 76

Providing for retirement with deductible dollars. Garver RB. **Vet Clin North Am** 6(1):157–68, Feb 76

Management and economics of a group practice. Gebhart RN. **Vet Clin North Am** 6(1):121–30, Feb 76

Surplus dollars: past, present, and future. Gissell JH. **Vet Clin North Am** 6(1):61–6, Feb 76

The psychology of spending. Hamlin F. **Vet Clin North Am** 6(1):51–60, Feb 76

On-premise bookkeeping is an asset. Henson JC. **Vet Clin North Am** 6(1):77–82, Feb 76

How to cope with the cost of living fluctuations. Hesburgh JL. **Vet Clin North Am** 6(1):103–20, Feb 76

All types of insurance except life insurance. Hook DC. **Vet Clin North Am** 6(1):29–41, Feb 76

Increasing a doctor's after-tax income. Is incorporation the answer? Horn RL, et al. **Vet Clin North Am** 6(1):83–101, Feb 76

Responsible profits. Jones SK Jr. **Vet Clin North Am** 6(1):67–76, Feb 76

Symposium on money management. The association. Mahan HD. **Vet Clin North Am** 6(1):149–55, Feb 76

Toxicities and harzards for clinicians in small animal practice. Schuchman SM, et al. **Vet Clin North Am** 5(4):727–35, Nov 75

Life insurance clarified. Shelton WM. **Vet Clin North Am** 6(1):43–50, Feb 76

The value of the legal profession and its cost. Trabin EA. **Vet Clin North Am** 6(1):143–8, Feb 76

We're getting to know you. **Vet Med Small Anim Clin** 71(3):277–81, Mar 76

Do unknown outsiders share your home? Allen J. **Vet Med Small Anim Clin** 71(6):835–6, Jun 76

Stay away from stock salesmen. Appleman JA. **Vet Med Small Anim Clin** 71(5):702–4, May 76

How safe is your safe-deposit box? Arkin J. **Vet Med Small Anim Clin** 70(11):1368–9, Nov 75

The ins and outs of borrowing on insurance. Arkin J. **Vet Med Small Anim Clin** 71(1):101, Jan 76

How to 'divorce' an associate. Arkin J. **Vet Med Small Anim Clin** 71(5):705–6, May 76

Corporation life insurance. Arkin J. **Vet Med Small Anim Clin** 71(6):837–8, Jun 76

Tact collects overdue accounts without losing clients. Arkin J. **Vet Med Small Anim Clin** 71(8):1115–7, Aug 76

Are your credit practices in step with the times? Ashe HJ. **Vet Med Small Anim Clin** 71(4):518–9, Apr 76

A new critical-care flow chart. Barrett RP. **Vet Med Small Anim Clin** 71(6):782–3, Jun 76

Tax tips for home owners. Block J. **Vet Med Small Anim Clin** 70(9):1108–12, Sep 75

Ways to save on your 1975 taxes. Block J. **Vet Med Small Anim Clin** 70(11):1360–2, Nov 75

An animal's best friend. Boey M. **Vet Med Small Anim Clin** 71(4):510–1, Apr 76

Tax court: help for small claims. Brown L. **Vet Med Small Anim Clin** 71(3):373–4, Mar 76

An open letter to an 'embarrassed' young academician. Cooper CM. **Vet Med Small Anim Clin** 71(5):549–54, May 76

A veterinarian's role in low-velocity sub-orbital rocketry. Frye FL, et al. **Vet Med Small Anim Clin** 71(3):367–72, Mar 76

Look before you lease. Grey C. **Vet Med Small Anim Clin** 71(2):225–6, Feb 76

New nationwide rip-off: limited-edition, commemorative coins and medals. Guttentag S. **Vet Med Small Anim Clin** 70(10):1225–6, Oct 75

Use of low-cost photo equipment to deter crime. Guttentag S. **Vet Med Small Anim Clin** 71(5):708–9, May 76

Handling problems of incoming freight. Guttentag S. **Vet Med Small Anim Clin** 71(7):969–71, Jul 76

The intensive care unit in small animal practice, Part 2: Personnel and equipment. Hanssen PL, et al. **Vet Med Small Anim Clin** 71(8):1063–8, Aug 76

The power of positive reinforcement. Levoy RP. **Vet Med Small Anim Clin** 70(8):994, Aug 75

Talk your clients' language. Levoy RP. **Vet Med Small Anim Clin** 70(10):1232, Oct 75

Is ITA limiting your professional success? Levoy RP. **Vet Med Small Anim Clin** 70(9):1114–5, Sep 75

Help clients remember by writing it down. Levoy RP. **Vet Med Small Anim Clin** 70(11):1370, Nov 75

Dos and don'ts for a happy office. Levoy RP. **Vet Med Small Anim Clin** 70(12):1482–3, Dec 75

How to handle complaints. Levoy RP. **Vet Med Small Anim Clin** 71(1):102–3, Jan 76

Practice management's most unpleasant task: how to do it. Levoy RP. **Vet Med Small Anim Clin** 71(2):228–9, Feb 76

How the right words can make the wrong impression. Levoy RP. **Vet Med Small Anim Clin** 71(3):376–8, Mar 76

Fire insurance is not enough! Levoy RP. **Vet Med Small Anim Clin** 71(4):520–1, Apr 76

How to motivate your staff. Levoy RP. **Vet Med Small Anim Clin** 71(7):974–5, Jul 76

The challenge of change: how to cope with it. Levoy RP. **Vet Med Small Anim Clin** 71(8):1118–9, Aug 76

Tax shelters: huge wastes, little profit? Pietz W. **Vet Med Small Anim Clin** 70(12):1479–81, Dec 75

Small animal clinical otology. Examination forms: number three in a series. Rose WR. **Vet Med Small Anim Clin** 71(3):308–11, Mar 76

Further thoughts on 'thihk revolution'. Salsbury DL. **Vet Med Small Anim Clin** 71(5):556–63, May 76

Think revolution! Schauffler AF. **Vet Med Small Anim Clin** 71(1):9–14, Jan 76

The great mass murder trial. Soifer FK. **Vet Med Small Anim Clin** 70(8):915–8, Aug 75

Personal financial planning—I. Stone RH. **Vet Med Small Anim Clin** 70(10):1229–31, Oct 75

Personal financial planning—II. Stone RH. **Vet Med Small Anim Clin** 70(11):1364–6, Nov 75

Organization and staff development. Tuttle J. **Vet Med Small Anim Clin** 71(4):515–7, Apr 76

Effects of corporation or Keogh benefits on the spendable income of an employee-veterinarian. Wolff A. **Vet Med Small Anim Clin** 71(8):1111–4, Aug 76

Editorial: What's it worth to you? **Vet Rec** 97(6):101–2, 9 Aug 75

Swann Committee recommendations. **Vet Rec** 97(7):121–4, 16 Aug 75

Correspondence: BVA membership subscriptions. **Vet Rec** 97(8):155, 23 Aug 75

Editorial: Clinical research. **Vet Rec** 97(14):253–4, 4 Oct 75

Editorial: Second best service for the UK? **Vet Rec** 97(18):341–2, 1 Nov 75

Editorial: Brucellosis and the veterinary surgeon. **Vet Rec** 97(23):339–400, 6 Dec 75

Editorial: Genetics, agriculture and the veterinarian. **Vet Rec** 98(5):79–80, 31 Jan 76

Editorial: Bird import rules bring new LVI duties. **Vet Rec** 98(8):141–2, 21 Feb 76

Editorial: Handle with care. **Vet Rec** 98(19):373, 8 May 76

A veterinary-controlled meat and poultry inspection centre in Canada. Adams JC. **Vet Rec** 97(24):473–4, 13 Dec 75

Letter: Bull licensing panel. Beswick W. **Vet Rec** 97(10):189, 6 Sep 75

Exposure to Br abortus in veterinary undergraduates and graduates. Cayton HR, et al. **Vet Rec** 97(23):447–9, 6 Dec 75

Swann and preventive medicine. Eddy RG. **Vet Rec** 97(23):458–9, 6 Dec 75

Veterinary information: the current situation and future trends. Gray DE. **Vet Rec** 98(14):271–4, 3 Apr 76

Implications of the Swann Report. 3. Research. Henderson WM. **Vet Rec** 97(15):287–8, 11 Oct 75

Greener grass? Holm WP. **Vet Rec** 97(10):186, 6 Sep 75

Modern trends in veterinary public health. Kampelmacher EH. **Vet Rec** 97(6):104–7, 9 Aug 75

Correspondence: Financial implications of a career in veterinary research. Morrison WI, et al. **Vet Rec** 97(20):397, 15 Nov 75

Correspondence: Preventive medicine—40 years on. Pickering JP. **Vet Rec** 97(19):376, 8 Nov 75

Implications of the Swann Report. 1. Practice. Snodgrass N. **Vet Rec** 97(15):283–5, 11 Oct 75

Implications of the Swann Report. 4. State veterinary service. Stevens AJ. **Vet Rec** 97(15):288–9, 11 Oct 75

Correspondence: The Swan Report. Stobo T. **Vet Rec** 97(14):271, 4 Oct 75

The veterinary profession, 1975 to 1995. Swann M. **Vet Rec** 97(13):237–8, 249, 27 Sep 75

The development of veterinary public health services. **WHO Chron** 30(4):158–61, Apr 76

The veterinary contribution to public health practice. **WHO Tech Rep Ser** (573):1–79, 1975

[Tasks of veterinary medicine in the prevention of food contamination] Matyáš Z. **Vet Med (Praha)** 21(3):125–6, Mar 76 **(Cze)**

[Responsibility of the veterinarian with drugs in feed or drinking water] **Tijdschr Diergeneeskd** 100(13):730–1, 1 Jul 75 **(Dut)**

[Royal Dutch Society for Veterinary Medicine; from the Board of Directors. Interim report on progress concerning recognition and registration of veterinary specialists (author's transl)] **Tijdschr Diergeneeskd** 101(4):207–11, 15 Feb 76 **(Dut)**

[Ethics in veterinary medicine. Welfare, production and profit] Brantas GC. **Tijdschr Diergeneeskd** 100(13):703–8, 1 Jul 75 (Eng. Abstr.) **(Dut)**

[Testing two simple photometers (Lange) for use in small animal practice (author's transl)] de Bruyne JJ, et al. **Tijdschr Diergeneeskd** 101(13):733–8, 1 Jul 76 (Eng. Abstr.) **(Dut)**

[Do veterinarians have obligations (author's transl)] Grommers FJ. **Tijdschr Diergeneeskd** 100(13):714–8, 1 Jul 75 (Eng. Abstr.) **(Dut)**

[Protection of animals and legislation(author's transl)] Hofstra S. **Tijdschr Diergeneeskd** 100(13):697–702, 1 Jul 75 (Eng. Abstr.) **(Dut)**

[Letter: Use of chloramphenicol not advisable in veterinary medicine (author's transl)] Jaartsvelt FH. **Tijdschr Diergeneeskd** 100(9):518, 1 May 75 (Eng. Abstr.) **(Dut)**

[The animal in the environment of man(author's transl)] Jeuken M. **Tijdschr Diergeneeskd** 100(13):692–6, 1 Jul 75 (Eng. Abstr.) **(Dut)**

[Considerations of the farmer in intensive livestock husbandry on choosing his system of management(author's transl)] Ketelaars EH. **Tijdschr Diergeneeskd** 100(13):709–13, 1 Jul 75 (Eng. Abstr.) **(Dut)**

[Do pets have rights (author's transl)] Poll PH. **Tijdschr Diergeneeskd** 100(13):719–21, 1 Jul 75 (Eng. Abstr.) **(Dut)**

[Relationship between the veterinarian and animals, their rights and duties (author's transl)] Thiadens A. **Tijdschr Diergeneeskd** 101(1):24–34, 1 Jan 76 (Eng. Abstr.) **(Dut)**

[Veterinarians and experimental animals – duties and rights (author's transl)] Van der Gulden WJ, et al. **Tijdschr Diergeneeskd** 101(3):131–5, 1 Feb 76 (Eng. Abstr.) **(Dut)**

[The seller's veterinary surgeon and the hidden faults in animals (author's transl)] Wagenaar G. **Tijdschr Diergeneeskd** 100(12):669–72, 15 Jun 75 (Eng. Abstr.) **(Dut)**

[Veterinary medicine and prevention of cruelty to animals: a paradox?] Wagenaar Hummelinck MG. **Tijdschr Diergeneeskd** 101(3):107–11, 1 Feb 76 (Eng. Abstr.) **(Dut)**

[Transport of animals prior to slaughter (author's transl)] Zegers L. **Tijdschr Diergeneeskd** 101(3):121–4, 1 Feb 76 (Eng. Abstr.) **(Dut)**

[Clinical pharmacology in veterinary medicine] Frey HH. **Dtsch Tieraerztl Wochenschr** 83(5):170–2, 5 May 76 (Eng. Abstr.) **(Ger)**

[Studies on the current propagation and breeding of agricultural animals in Syria from the viewpoint of the animal-health-service veterinarian] Liebisch A. **Dtsch Tieraerztl Wochenschr** 82(9):370–6, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Exotic small mammals as patients] Ruempler G. **Tieraerztl Prax** 3(1):87–92, 1975 **(Ger)**

[Hygienic requirements concerning the raw milk delivered from the farm. Tasks of the veterinarian] Wiesner HU. **Tieraerztl Prax** 4(2):163–76, 1976 **(Ger)**

[Contribution to the consolidation of a large scale poultry farm (fresh egg industry) from a human and veterinary hygienic viewpoint] Borris W, et al. **Z Gesamte Hyg** 21(10):782–5, Oct 75 (Eng. Abstr.) **(Ger)**

[Controlled drug release in veterinary medicines by means of carboxyvinylpolymers] Perotti AG. **Farmaco [Prat]** 31(3):111–22, Mar 76 **(Ita)**

[Paronychia in veterinary workers] Dem'ianuik DG. **Klin Khir** (9):76, 1975 **(Rus)**

[Work competition of the veterinary specialists of the Don] **Veterinariia** (9):22–4, Sep 74 **(Rus)**

[A great profession] **Veterinariia** (6):26–31, Jun 75 **(Rus)**

[Increasing the quality and effectiveness of veterinary measures] **Veterinariia** (6):1–11, Jun 75 **(Rus)**

[Let us heighten the efficacy of the Veterinary Statute] **Veterinariia** (11):3–5, Nov 75 **(Rus)**

[Work better, more efficiently (review of data on the socialist competition of veterinary workers)] **Veterinariia** (2):10–9, Feb 75 **(Rus)**

[Tasks of the veterinary service in eliminating animal tuberculosis and brucellosis] **Veterinariia** (4):1–5, Apr 75 **(Rus)**

[Prevention of diseases in animals during the grazing period] **Veterinariia** (7):3–5, Jul 75 **(Rus)**

[Sanitary improvement of farm] **Veterinariia** (8):3–5, Aug 75 **(Rus)**

[On the threshold of the 10th 5-year plan] **Veterinariia** (12):3–5, Dec 75 **(Rus)**

[Let us increase the efficacy of the scientific search] **Veterinariia** (1):3–6, Jan 76 **(Rus)**

[Daily concern for the environment] **Veterinariia** (6):3–5, Jun 76 **(Rus)**

[Stock-breeding—effective veterinary service] Abdulbasirov MM. **Veterinariia** (2):8–12, Feb 76 **(Rus)**

[Work rapport] Andriuschchenko AS, et al. **Veterinariia** (1):21–8, Jan 76 **(Rus)**

[Visiting Hungarian colleagues] Bespalov L. **Veterinariia** (11):110–5, Nov 75 **(Rus)**

[Neuroleptic agents in veterinary medicine] Cherviakov DK, et al. **Veterinariia** (7):99–100, Jul 76 **(Rus)**

[Veterinary service of Vilnius] Dudarev KN. **Veterinariia** (7):12–5, Jul 76 **(Rus)**

[Organization of the veterinary service of a dairy complex] Gavrikov AM. **Veterinariia** (2):5–10, Feb 75 **(Rus)**

[Veterinary sanitation measures in commercial swine breeding] Iarnykh VS, et al. **Veterinariia** (9):26–8, Sep 74 **(Rus)**

[Veterinary service in the region outside Chernozem'ia] Iskhakov O. **Veterinariia** (9):4–5, Sep 74 **(Rus)**

[Collaboration of science and practice] Khaziev GZ, et al. **Veterinariia** (9):8–16, Sep 75 **(Rus)**

[Exhibition of achievements of the national economy of the USSR] Khruleva MA, et al. **Veterinariia** (6):19–26, Jun 75 **(Rus)**

[Design of a district veterinary pharmacy] Kolevich DA, et al. **Veterinariia** (3):50–2, Mar 76 **(Rus)**

[Use of deep freezing of tissues for morphological studies] Krasnikov GA, et al. **Veterinariia** (5):116–7, May 75 **(Rus)**

[Spectral analysis method in veterinary science] Kudashev AK. **Veterinariia** (9):115–6, Sep 75 **(Rus)**

[Results and prospects] Kuliev AA. **Veterinariia** (1):7–21, Jan 76 **(Rus)**

[Apparatus for the automatic metering of the supply of air and carbon dioxide] Leontiuk SV, et al. **Veterinariia** (6):105–6, Jun 75 **(Rus)**

[A day of a veterinarian] Levit AI. **Veterinariia** (12):22–5, Dec 75 **(Rus)**

[Keeping watch for the new 5-year plan] Lysak PS, et al. **Veterinariia** (12):6–13, Dec 75 **(Rus)**

[Veterinary laboratory in Siberia] Malokotin SP, et al. **Veterinariia** (8):15–8, Aug 75 **(Rus)**

[Untiring workers] Matros VP. **Veterinariia** (3):35–6, Mar 76 **(Rus)**

[Achievements in scientific production] Mikhailov NN, et al. **Veterinariia** (3):5–10, Mar 76 **(Rus)**

[Business and concerns of a municipal veterinary service] Mikheev Iu. **Veterinariia** (11):18–23, Nov 75 **(Rus)**

[Higher effectiveness of socialist competition] Mikheev Iu. **Veterinariia** (12):14–21, Dec 75 **(Rus)**

[Competition: the new stage] Mikheev Iu. **Veterinariia** (9):16–22, Sep 75 **(Rus)**

[For inspiration] Mikheev IuN. **Veterinariia** (6):12–9, Jun 75 **(Rus)**

[Insurance reserve is an important growth factor in the efficiency of animal husbandry and veterinary science] Motylev LA, et al. **Veterinariia** (4):32–3, Apr 75 **(Rus)**

[Right-wing socialist competition] Nikitin VM, et al. **Veterinariia** (7):6–11, Jul 75 **(Rus)**

[Our work—5 years of quality] Panchenko MF. **Veterinariia** (3):25–8, Mar 76 **(Rus)**

[Uzbekistan: action, problems, plans] Pankin V. **Veterinariia** (2):12–6, Feb 76 **(Rus)**

[Veterinary sanitation measures on poultry raising farms] Proskuriakova LG. **Veterinariia** (4):48–9, Apr 76 **(Rus)**

[Moving ahead] Prudnikov MS. **Veterinariia** (3):18–24, Mar 76 **(Rus)**

[Role of veterinary health plants in the improvement of the veterinary-sanitary state of stock-breeding] Pyrtsu AA, et al. **Veterinariia** (6):38–9, Jun 75 **(Rus)**

[Means of expanding cooperation between collective farms] Reshetnik VD. **Veterinariia** (3):13–8, Mar 76 **(Rus)**

[Veterinary protection of industrial complexes] Rodin VI, et al. **Veterinariia** (7):32–5, Jul 76 **(Rus)**

[Standard projects of the organization of work in veterinary medicine] Romashin MS, et al. **Veterinariia** (5):49–50, May 75 **(Rus)**

[Farms of the Jalalabad complex in Afghanistan] Sabitov R, et al. **Veterinariia** (7):114–7, Jul 76 **(Rus)**

[Improve veterinary service on animal husbandry complexes] Sakar VI, et al. **Veterinariia** (10):4–5, Oct 75 **(Rus)**

[For the upcoming Congress of the Party, inspired work] Sharshekeev D, et al. **Veterinariia** (11):6–18, Nov 75 **(Rus)**

[Propaganda of the foremost experiment in the region] Shcherbatiuk VI. **Veterinariia** (8):18–21, Aug 75 **(Rus)**

[Raise the efficiency of production (the experience of veterinary service for a swine-rearing complex)] Shchigorets NE. **Veterinariia** (10):13–7, Oct 75 **(Rus)**

[Science center for the non-chernozem area] Shishkov V, et al. **Veterinariia** (7):122–3, Jul 76 **(Rus)**

[Veterinary science on the border between 2 Five-Year Plans] Shishkov VP. **Veterinariia** (4):7–13, Apr 76 **(Rus)**

[Work experience of a state farm veterinary service] Sokolov AG. **Veterinariia** (9):30–1, Sep 75 **(Rus)**

[Veterinary-sanitary measures on turkey farms] Solov'ev SI, et al. **Veterinariia** (8):24–6, Aug 75 **(Rus)**

[Tasks and prospects for the veterinary service of Vladimir Province] Teslenko IuG. **Veterinariia** (7):5–9, Jul 76 **(Rus)**

[Gynecological dispensary treatment under the conditions on large farms] Valiushkin KD, et al. **Veterinariia** (9):83–5, Sep 75 **(Rus)**

[Veterinary service for a feedlot] Zhukov N, et al. **Veterinariia** (7):9–12, Jul 76 **(Rus)**

[Agriculture and professional risks, zoonosis and the risk to veterinarians] Pinedo Saiz L. **Rev Sanid Hig Publica (Madr)** 49(3):247–83, Mar 75 (Eng. Abstr.) **(Spa)**

HISTORY

The influence of the veterinary department of the Highland and Agricultural Society of Scotland on the early practice of veterinary science in Australia. **Aust Vet J** 51(2):100, Feb 75

A tribute to Alexandre Liautard, the Father of the American veterinary profession. Crawford LM. **J Am Vet Med Assoc** 169(1):35–7, 1 Jul 76

The growth and development of small animal practice in the United States. Drenan DM. **J Am Vet Med Assoc** 169(1):42–9, 1 Jul 76

A brief history of the AVMA. Freeman A. **J Am Vet Med Assoc** 169(1):120–6, 1 Jul 76

Development of equine veterinary medicine in the United States. Kester WO. **J Am Vet Med Assoc** 169(1):50–5, 1 Jul 76

Farm animal practice in the United States. Kingrey BW. **J Am Vet Med Assoc** 169(1):56–60, 1 Jul 76

The international influence of United States veterinary medicine. Maurer FD. **J Am Vet Med Assoc** 169(1):70–3, 1 Jul 76

Zoo medicine: yesterday and today. Schroeder CR. **J Am Vet Med Assoc** 169(1):61–9, 1 Jul 76

Veterinary public health in the United States, 1776 to 1976. Steele JH. **J Am Vet Med Assoc** 169(1):74–82, 1 Jul 76

History of veterinary pharmacotherapeutics in the United States. Stowe CM. **J Am Vet Med Assoc** 169(1):83–9, 1 Jul 76 (Eng. Abstr.)

Farriery improved. Bracken H. **Mod Vet Pract** 57(8):623–4, Aug 76

A short history of the Royal Army Veterinary Corps. Clabby BJ. **Proc R Soc Med** 69(2):93–6, Feb 76

[Data on animal husbandry and veterinary medicine in the middle of the 17th century in Bulgaria and neighboring countries based on a journey by Evliia Chelebi] Potov M. **Vet Med Nauki** 12(10):88–92, 1975 (Eng. Abstr.) **(Bul)**

[50 years as veterinarian. Glimpses from the daily professional life of a rural practice] Schmidt-Treptow WA. **Tieraerztl Prax** 2(3):249–56, 1974 **(Ger)**

[Interview with H.A.H. Gangsaas; city veterinarian, Bergen Health Council] Johannesen E. **Tidsskr Nor Laegeforen** 95(23):1317–8, 20 Aug 75 **(Nor)**

[In memory of V. V. Solov'ev (on the 100th anniversary of his birth)] **Veterinariia** (8):125, Aug 75 **(Rus)**

[Founder of domestic veterinary sanitary examination and hygiene (on the 125th anniversary of the birth of M. A. Ignat'ev)] Kalugin VI, et al. **Veterinariia** (12):114–5, Dec 75 **(Rus)**

[Meaning and joy (Ekaterina T. Trishkina)] Mikheev Iu. **Veterinariia** (3):39–40, Mar 76 **(Rus)**

[In labor as in battle] Proskurin Iu. **Veterinariia** (6):31–7, Jun 75 **(Rus)**

[Veterinary service of Sakhalin] Sambulov LE, et al. **Veterinariia** (6):19–24, Jun 76 **(Rus)**

[Science for production (on the 50th anniversary of the Uzbek Veterinary Research Institute)] Shevchenko N, et al. **Veterinariia** (6):14–9, Jun 76 **(Rus)**

[Perspectives on the development of the teachings of V. I. Vernadskii in veterinary medicine] Urazaev NA. **Veterinariia** (5):104–7, May 75 **(Rus)**

INSTRUMENTATION

[Illustrated report. BOVILIFT—a device for lifting cattle] Maeusl M. **Berl Munch Tieraerztl Wochenschr** 88(15):304, 1 Aug 75 **(Ger)**

[Electroimpulse apparatus and a high pressure chamber for the destruction of microorganisms and helminths] Zharikov IS, et al. **Veterinariia** (3):111–2, Mar 76 **(Rus)**

MANPOWER

Employment of veterinary graduates in New South Wales. Wales RC. **Aust Vet J** 51(6):285–90, Jun 75

[Editorial: Expansion of veterinary education and manpower in Canada] **Can Vet J** 17(1):3–6, Jan 76 **(Eng, Fre)**

How will 'certified' AHTs change veterinary practice? **Mod Vet Pract** 57(2):89–93, Feb 76

How to pick—and keep—a winner. **Mod Vet Pract** 57(5):347–51, May 76

Status of animal technicians in the United States. Barrows GT. **Vet Med Small Anim Clin** 71(7):890–6, Jul 76

Editorial: Lay assistants and the veterinary profession. **Vet Rec** 98(4):61–2, 24 Jan 76

Editorial: Too many at too high a price? **Vet Rec** 98(1):1–2, 3 Jan 76

[Weighty contribution] Kravets AM. **Veterinariia** (6):25–7, Jun 76 **(Rus)**

[100th graduation of veterinary physicians] Mozzhukhin IuP, et al. **Veterinariia** (11):98–101, Nov 75 **(Rus)**

METHODS

A surgical technique applied to the study of tubal eggs in the mare. Betteridge KJ, et al. **J Reprod Fertil [Suppl]** (23):519–24, Oct 75

STANDARDS

Reflections on the principles of professional ethics. Roberts SJ. **J Am Vet Med Assoc** 169(4):430–3, 15 Aug 76

Diagnostic laboratories: what should they provide? **Mod Vet Pract** 56(11):759–63, Nov 75

VETERINARY SERVICE, MILITARY

HISTORY

The Veterinary Service of the United States Air Force: its contributions to comparative medical research. Irving GW 3d. **J Am Vet Med Assoc** 169(1):117–9, 1 Jul 76

Veterinary–farriery services in the Continental Army—April 1775–May 1777. Miller EB. **J Am Vet Med Assoc** 169(1):106–14, 1 Jul 76

US Army veterinarians in biomedical research: from seed to harvest. Spertzel RO. **J Am Vet Med Assoc** 169(1):115–6, 1 Jul 76

[30 years after the Great Victory] Belen'kiĭ OS. **Veterinariia** (5):2–4, May 75 **(Rus)**

[Soviet veterinary surgeons in the war period] Degtiarev GV. **Veterinariia** (5):102–4, May 75 **(Rus)**

[Years of rigorous ordeal] Evreinov V. **Veterinariia** (5):6–22, May 75 **(Rus)**

[Therapeutic care of animals in the war] Ionov PS. **Veterinariia** (5):100–2, May 75 **(Rus)**

[Veterinarian of the rifle regiment (Vasiliĭ M. Syritsa)] Lilik G. **Veterinariia** (5):26–8, May 75 **(Rus)**

[Party–political work in the military–veterinary service] Musin AD. **Veterinariia** (5):4–5, May 75 **(Rus)**

[Close veterans never grow old] Petrov P. **Veterinariia** (5):24–6, May 75 **(Rus)**

[Stages of the great journey] Shuklin NF. **Veterinariia** (5):22–4, May 75 **(Rus)**

[In memory of a strong heart (Evgeniĭ I. Savateev)] Velikanov VD. **Veterinariia** (5):28–9, May 75 **(Rus)**

VIBRATION

Pharmacological investigations on peripheral vasoconstriction induced with chronic exposure to vibration. Jurczak ME. **Acta Physiol Pol** 26(6):599–604, Nov–Dec 75

n the mechanism of inhibitory action of vibrations as studied in a molluscan catch muscle and in vertebrate vascular smooth muscle. Ljung B, et al. **Acta Physiol Scand** 95(4):424–30, Dec 75

A preliminary study of the effect of a vibrating pad on bronchial clearance. Thomson ML, et al. **Am Rev Respir Dis** 113(1):92–6, Jan 76

Conditioning–effect of vibratory stimulation on dimension discrimination of objects held between human tooth arches. Morimoto T, et al. **Arch Oral Biol** 21(3):219–20, 1976

Laryngeal vibration patterns. Machine–aided measurements from high–speed film. Childers DG, et al. **Arch Otolaryngol** 102(7):407–10, Jul 76

Human response to buffeting in an all–terrain vehicle. Fraser TM, et al. **Aviat Space Environ Med** 47(1):9–16, Jan 76

Levels of whole–body vibration affecting human vision. Griffin MJ. **Aviat Space Environ Med** 46(8):1033–40, Aug 75

Effects of mechanical vibration on rat plasma calcium, magnesium, phosphate, and xanthine osidase. Kosmakos FC, et al. **Aviat Space Environ Med** 46(11):1363–7, Nov 75

Comparison of the subjective intensity of sinusoidal, multifrequency, and random whole–body vibration. Shoenberger RW. **Aviat Space Environ Med** 47(8):856–62, Aug 76

Quantitative measurement of cutaneous sensory response to vibration. Ide H, et al. **Biol Cybern** 19(3):131–5, 1 Sep 75

Vibration of human limb muscles: the alleged phase–locking of motor unit spikes. Godaux E, et al. **Brain Res** 100(1):175–7, 12 Dec 75

Proceedings: Vibration stimuli in clinical neurophysiology. Physiological and pathophysiological aspects. Delwaide PJ. **Electroencephalogr Clin Neurophysiol** 39(5):549–50, Nov 75

The determination of equal comfort zones for whole–body vibration. Oborne DJ, et al. **Ergonomics** 17(6):769–82, Nov 74

Cervical spondylosis: most common cause of position and vibratory sense loss. Valergakis FE. **Geriatrics** 31(7):51–6, Jul 76

Research note: personal characteristics and whole body vibration. Wolf RJ, et al. **Hum Factors** 17(4):415–6, Aug 75

Effects of vibration on human spinal reflexes. pp. 181–8. Agarwal GC, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Effect of vibration on the F response. pp. 189–95. Shahani BT, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

Energy dissipation in human hand–arm exposed to random vibration. Cundiff JS. **J Acoust Soc Am** 59(1):212–6, Jan 76

Hereditary vibratory angioedema: confirmation of histamine release in a type of physical hypersensitivity. Metzger WJ, et al. **J Allergy Clin Immunol** 57(6):605–8, Jun 76

Threshold adaptation of hearing and vibratory sensation. Young IM. **J Am Audiol Soc** 1(3):102–8, Nov–Dec 75

Experimental and analytical determinations of the mechanical impedance response of animals to vertical vibration. Edwards RG, et al. **J Biomech** 9(1):55–61, 1976

Modes of stimulation of the teleost ear. Fay RR, et al. **J Exp Biol** 62(2):379–87, Apr 75

Discharge pattern of single motor units in the tonic vibration reflex of human triceps surae. Burke D, et al. **J Neurol Neurosurg Psychiatry** 39(8):729–41, Aug 76

TVR and vibration–induced timing of motor impulses in the human jaw elevator muscles. Hagbarth KE, et al. **J Neurol Neurosurg Psychiatry** 39(8):719–28, Aug 76

Reflex responses of gamma motoneurones to vibration of the muscle they innervate. Fromm C, et al. **J Physiol (Lond)** 256(1):117–36, Mar 76

The relative unimportance of the temporal pattern of the primary afferent input in determining the mean level of motor firing in the tonic vibration reflex. Matthews PB. **J Physiol (Lond)** 251(2):333–61, Oct 75

The effect of low amplitude muscle vibration on the discharge of fusimotor neurones in the decerebrate cat. Trott JR. **J Physiol (Lond)** 255(3):635–49, Mar 76

Proceedings: Tuning characteristics of acoustic neurons and vibration of the basilar membrane. Hashimoto K, et al. **J Physiol Soc Jpn** 36(8–9):305, 1 Sep 74

Proceedings: Effect of local vibratory stimulation on skin temperature in man. Nasu Y, et al. **J Physiol Soc Jpn** 36(8–9):391, 1 Sep 74

Proceedings: Microvibration and its relationship with the autonomic nervous system and respiratory movement. Ozaki T, et al. **J Physiol Soc Jpn** 36(8–9):290, 1 Sep 74

Proceedings: Microvibration of the eyelids. Ozaki T, et al. **J Physiol Soc Jpn** 36(8–9):316, 1 Sep 74

Effects upon spindle discharges of electrical stimulation of static fusimotor fibers with concomitant application of muscle vibration. Nakajima Y. **Jpn J Physiol** 25(4):417–33, 1975

Quantitative measurement of cutaneous sensory response to vibration. Ide H. **Med Biol Eng** 14(1®760310–760415–3):56–60, Jan 76

A vibrational model of the excitable membrane. Wilkens JA. **Med Hypotheses** 2(3):97–101, May–Jun 76

Vibrotactile and temperature sensory interaction in the human tongue. Fucci D, et al. **Percept Mot Skills** 43(1):263–6, Aug 76

Lingual vibrotactile threshold alterations in response to varying stimulation levels of intensity and duration. Fucci DJ, et al. **Percept Mot Skills** 41(1):127–33, Aug 75

Comparison of the methods of limits and electrodermal response for determination of lingual vibrotactile thresholds. McCaffrey P, et al. **Percept Mot Skills** 42(1):175–80, Feb 76

Temporal summation effects on lingual vibrotactile thresholds. Telage KM, et al. **Percept Mot Skills** 42(3):859–64, Jun 76

Microvibration: capable of inducing spontaneous contractions in smooth muscles. Azuma T, et al. **Proc Soc Exp Biol Med** 151(3):484–6, Mar 76

On the effect of electrical stimulation of the dorsal column system on sensory thresholds in patients with chronic pain. Lindblom U, et al. **Prog Brain Res** 43:237–41, 1976 Haskin ME, et al. **Radiology** 119(1):101–3, Apr 76

Changes in the pattern of breathing caused by chest vibration. Gandevia SC. **Respir Physiol** 26(2):163–71, Apr 76

Vibrations of the temporal bone due to head injury. Dürrer J. **Sb Ved Pr Lek Fak Karlovy Univ** 17(3):271–6, 1974

Transmission of vibration in the hand–arm system with special reference to changes in compression force and acceleration. Pyykkö I, et al. **Scand J Work Environ Health** 2(2): 87–95, JUN 76

[Changes in some indices in relation to the biological oxidation and phosphorilation by experimental effect of high–frequency vibrations] Tzvetkov DL, et al. **Int Arch Occup Environ Health** 35(3–4):265–77, 19 Sep 75 (Eng. Abstr.) **(Fre)**

[Transurethral extraction of ureteral calculi facilitated by relaxation of the ureter by vibrations] Petterson S, et al. **J Urol Nephrol (Paris)** 80(12 pt 2):494–7, Dec 74 **(Fre)**

[Vibration stimulus in clinical neurophysiology: physiologic and physiopathologic aspects] Delwaide PJ. **Rev Electroencephalogr Neurophysiol Clin** 4(4):539–53, Oct–Dec 74 **(Fre)**

[Vibration, a new way of cutting in ophthalmic surgery (author's transl)] Spitznas M, et al. **Klin Monatsbl Augenheilkd** 166(4):557–8, Apr 75 (Eng. Abstr.) **(Ger)**

[Vibration measurements during skiing, gymnastics, walking and running] Nigg BM, et al. **Med Welt** 26(16):765–70, 18 Apr 75 **(Ger)**

[A dosimeter for the determination of vibration exposure] Weishaupt S. **Z Gesamte Hyg** 21(8):617–21, Aug 75 (Eng. Abstr.) **(Ger)**

[Evaluation of noise and vibration pollution caused by a thermoelectrical power plant in a city district] Merluzzi F, et al. **Med Lav** 66(3):166–84, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Cellular responses to vibration during dental drilling with belt drive motor engine (in vitro) (author's transl)] Yamanaka K. **J Jpn Soc Dent Appar Mater** 16(35):110–22, May 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: VTR and body temperature] Masuda M, et al. **J Physiol Soc Jpn** 36(8–9):391, 1 Sep 74 **(Jpn)**

[Respiratory fluctuations of the microvibration of the body surface (author's transl)] Ozaki T, et al. **J Physiol Soc Jpn** 37(10):307–9, 1975 **(Jpn)**

[Vibrotactile stimulation for a reading aid for the blind] Ide H, et al. **Jpn J Med Electron** 13(5):282–6, Oct 75 (Eng. Abstr.) **(Jpn)**

[Method of determining the limits of vibration sensitivity] Kamenskiĭ IuN. **Gig Tr Prof Zabol** (6):51–2, Jun 76 **(Rus)**

[Possibility of utilizing ISO criteria for low–frequency vibration norms based on the results of physiological research] Malinskaia NN, et al. **Gig Tr Prof Zabol** (7):16–20, Jul 75 (Eng. Abstr.) **(Rus)**

[Physiological and hygienic evaluation of the effect of vibration on dump truck drivers in ore mining] Nurbaev SK. **Gig Tr Prof Zabol** (5):32–6, May 75 (Eng. Abstr.) **(Rus)**

[Physiological interaction of vibrotactile and auditory reception] Krylov IuV. **Izv Akad Nauk SSSR [Biol]** (6):930–2, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Phenomenon of vibration output as a diagnostic test in vertebrogenic syndrome of the vetebral artery] Popelianskiĭ AIa. **Klin Med (Mosk)** 53(9):66–8, Sep 75 **(Rus)**

[Effect of vibration, acceleration and acute irradiation with a dose of 250 R on the localization and activity of liver enzymes in adult rabbits] Iuĭ RI, et al. **Kosm Biol Aviakosm Med** 9(4):80–1, Jul–Aug 75 **(Rus)**

[Improved stand for the IVCh–02 pallesthesiometer] Kamenskiĭ IuN, et al. **Med Tekh** (1):41–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Change in certain indices of the muscle tissue energy metabolism of rats depending on their initial level under the action of vibration] Kesamanly NV. **Tsitologiia** 17(10):1142–7, Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of low–frequency vibration on oxidative phosphorylation in the muscles] Baranova NP, et al. **Vrach Delo** (10):136–7, Oct 75 **(Rus)**

[Rational work regimens during the use of certain types of vibration–producing instruments] Skidan NA. **Vrach Delo** (3):134–8, Mar 74 (Eng. Abstr.) **(Rus)**

[Conditions of longitudinal vibration transmission in the arm] Färkkilä M, et al. **Lakartidningen** 73(24):2270–1, 9 Jun 76 **(Swe)**

[Influence of vibrations on the contraction process in the blood vessel musculature] Ljung B, et al. **Lakartidningen** 73(24):2271, 9 Jun 76 **(Swe)**

[Oxidative phosphorylation in rat skeletal muscles in dynamics of vibration–noise effect] Baranova NP. **Ukr Biokhim Zh** 48(1):82–5, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Work scheduling under normal and prolonged–vibration environments. Khalil TM, et al. **Am Ind Hyg Assoc J** 37(3):174–82, Mar 76

Effects of mechanical agitation on endothelial function of preserved corneas. Perlmutter MI, et al. **Am J Med Sci** 272(1):774–7, Jul–Aug 76

Morbidity studies of workers exposed to whole body vibration. Spear RC, et al. **Arch Environ Health** 31(3):141–5, May–Jun 76

Editorial: Vibration syndrome. **Br Med J** 4(5993):367, 15 Nov 75

Investigations on the extent of exposure of workers operating pneumatic tools, to the effect of vibration. Szczepański C. **Bull Inst Marit Trop Med Gdynia** 26(3–4):267–79, 1975

State of the visual analysor by vibration diseases. Jazov K, et al. **Folia Med (Plovdiv)** 17(1):25–7, 1975

Effects of local vibration on the rat tail circulation. Hellstrom B. **Int Arch Arbeitsmed** 33(4):285–95, 1974

Immunologic studies on the pathogenesis of Raynaud's phenomenon in vibration disease. Langauer–Lewowicka H. **Int Arch Occup Environ Health** 36(3):209–16, 26 Jan 76

Letter: A follow–up study on the onset of vibration hazards affecting forestry workers. Tominaga Y. **J Hum Ergol (Tokyo)** 4(1):77–8, Sep 75

Immunoglobulins in workers with traumatic vasospastic disease. Knutsson A. **J Occup Med** 17(11):706–7, Nov 75

Editorial: Stehbens hypothesis revisited. Danilevicius Z. **JAMA** 234(5):520–1, 3 Nov 75

Editorial: Vibration–induced white finger. **Lancet** 2(7941):911–2, 8 Nov 75

Bumps, grinds take toll on bones, muscles, mind. Wasserman D. **Occup Health Saf** 45(1):19–21, Jan–Feb 76

A health survey of granite workers in Finland: radiographic findings, respiratory function, hearing, electric sensory thresholds of the fingers and subjective symptoms. Ahlman K, et al. **Scand J Work Environ Health** 1(2):109–16, Jun 75

[Industrial vibrations and their repercussions on the basic functions of the genital system in women] Marinova G, et al. **Akush Ginekol (Sofiia)** 15(1):74–8, 1976 **(Bul)**

[Changes in lactate dehydrogenase activity in the internal ear due to noise and vibration] Nikolov C. **Cesk Otolaryngol** 24(6):332–4, Dec 75 (Eng. Abstr.) **(Cze)**

[Mechanical vibrations transmitted to the hand and the arm

(author's transl)] Fawer R. **Ther Umsch** 32(3):161–5, Mar 75 (Eng. Abstr.) **(Fre)**

[Biomechanic behavior, muscle reaction and subjective perception under vibration stress of the upper extremities between 8 and 80 Hz (author's transl)] Dupuis H, et al. **Int Arch Occup Environ Health** 37(1):9–34, 28 Apr 76 (Eng. Abstr.) **(Ger)**

[Input analysis of the combined noise and vibration load in rats] Henkel W, et al. **Z Gesamte Hyg** 21(1):8–10, Jan 75 (Eng. Abstr.) **(Ger)**

[Results of epidemiological studies on health hazards through partial body vibration in metalworking occupations] Oeser R, et al. **Z Gesamte Hyg** 21(2):118–9, Feb 75 (Eng. Abstr.) **(Ger)**

[Value and limits of photoplethysmography in the diagnosis of angioneurosis due to use of vibrating instruments] Franzinelli A, et al. **Med Lav** 67(3):268–77, May–Jun 76 (Eng. \bstr.) **(Ita)**

[Modifications of central visual acuity induced by sinusoidal vertical, horizontal and oblique vibrations] Modugno GC. **Minerva Med** 67(38):2467–71, 18 Aug 76 **(Ita)**

[Study on the vibration of the steering cabins in locomotives] Melino C, et al. **Nuovi Ann Ig Microbiol** 26(4):238–46, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Pain threshold in workers with vibration induced white finger (author's transl)] Matsumoto K, et al. **Jpn J Hyg** 30(3):430–5, Aug 75 (Eng. Abstr.) **(Jpn)**

[The ultrastructure of chromaffin cells of the medulla adrenal gland of rats undergoing vibration (author's transl)] Latalski M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 29:81–5, 1974 (Eng. Abstr.) **(Pol)**

[Effect of mechanical vibrations on human retina] Huszcza A. **Klin Oczna** 45(12):1315–8, Dec 75 (Eng. Abstr.) **(Pol)**

[Histochemical changes in Corti's organ of guinea pigs exposed to vibration and noise] Chodynicki S, et al. **Otolaryngol Pol** 30(2):119–24, 1976 **(Pol)**

[Hygienic standardization principles in the combined action of vibration and noise] Paran'ko NM, et al. **Gig Sanit** (9):36–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Plethysmographic study of cerebral and peripheral vascular tonus in vibration disease] Abramovich–Poliakov DK. **Gig Tr Prof Zabol** (9):48–50, Sep 75 **(Rus)**

[Combined action of overall low–frequency and localized vibration] Cherniuk VI. **Gig Tr Prof Zabol** (10):42–3, Oct 74 **(Rus)**

[Characteristics of the action on the human body of intermittent low–frequency vibration in the work site] Cherniuk VI. **Gig Tr Prof Zabol** (6):19–23, Jun 75 (Eng. Abstr.) **(Rus)**

[Role of disorders in the functional state of the kidneys and in electrolyte balance in the pathogenesis of vibration disease (a clinical and experimental study)] Dynnik VI, et al. **Gig Tr Prof Zabol** (9):32–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Development of intrashift work and rest regimens for workers in jobs with a vibration hazard] Ellanskiĭ IuG, et al. **Gig Tr Prof Zabol** (4):13–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Structural and metabolic changes in the skin of the fingers of miners suffering from vibration disease] Filin AP, et al. **Gig Tr Prof Zabol** (9):11–6, Sep 75 (Eng. Abstr.) **(Rus)**

[The effect of vibration on the blood supply to the small pelvis at different periods of the menstrual cycle] Frolova TP. **Gig Tr Prof Zabol** (12):14–8, Dec 75 (Eng. Abstr.) **(Rus)**

[Work capacity expertise in vibration disease caused by systemic vibration] Gornik VM. **Gig Tr Prof Zabol** (4):24–8, Apr 76 (Eng. Abstr.) **(Rus)**

[Action of whole–body vibration on the body of workers having an altered reactivity] Izrailet LI, et al. **Gig Tr Prof Zabol** (2):12–5, Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of vibration on the blind spot of the visual analyzer] Kolbanov VV, et al. **Gig Tr Prof Zabol** (8):49–52, Aug 75 **(Rus)**

[Humoral pressor and depressor factors in vibration disease] Kostiuk IF. **Gig Tr Prof Zabol** (4):36–40, Apr 76 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the effect of industrial noise and vibration on the workers in the molding shops of precast concrete plants] Litvinova IuA, et al. **Gig Tr Prof Zabol** (1):7–10, Jan 76 (Eng. Abstr.) **(Rus)**

[Study of catecholamine excretion in vibration disease] Nedelcheva K, et al. **Gig Tr Prof Zabol** (3):49–51, Mar 76 **(Rus)**

[Utilization of spectral analysis of the summational electromyogram (EMG) in studying the action of vibration on the human neuromuscular system] Okhnianskaia LG, et al. **Gig Tr Prof Zabol** (6):23–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the stimulus conduction velocity along the peripheral nerve fibers in vibration disease patients] Punchev TG. **Gig Tr Prof Zabol** (3):48–9, Mar 76 **(Rus)**

[Significance of disorders in capillary permeability in vibration disease] Shamardin BM. **Gig Tr Prof Zabol** (9):8–11, Sep 75 (Eng. Abstr.) **(Rus)**

[Overall immunological reactivity in vibration disease patients and its alteration with sanatorium–health resort treatment] Shatrov AA. **Gig Tr Prof Zabol** (9):50–1, Sep 75 **(Rus)**

[Hygienic evaluation of the working conditions of workers using vibration equipment in a reinforced concrete structures plant and the activities of the health service in preventing vibration disease] Sokolovskaia NIa. **Gig Tr Prof Zabol** (1):39–40, Jan 76 **(Rus)**

[Tissue oxygen balance in vibration disease and in persons in contact with vibration] Strigin VM, et al. **Gig Tr Prof Zabol** (4):46–8, Apr 75 **(Rus)**

[Effect of noise and overall vibration on the state of vibrational sensitivity in weavers] Syromiatnikov IuP. **Gig Tr Prof Zabol** (9):26–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Effect of vibration on mercury metabolism in the body] Tartakovskaia LIa, et al. **Gig Tr Prof Zabol** (4):32–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Experience in controlling vibration disease at 'Pechenga Nickel' Combine mines] Zver'kov SN, et al. **Gig Tr Prof Zabol** (7):18–21, Jul 76 (Eng. Abstr.) **(Rus)**

[Effect of vibration and noise on the function of the endocrine glands in military materiĕl squads] Shurygin DIa, et al. **Voen Med Zh** (10):50–2, Oct 75 **(Rus)**

[Importance of sanatorium treatment in the rehabilitation of patients with vibration disease] El'garov AA. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):490–5, Nov–Dec 75 **(Rus)**

[Algesimetric examinations in vibration disease using the A.I. Vozhzhova's apparatus] Abramovich–Poliakov DK, et al. **Vrach Delo** (5):128–31, May 75 (Eng. Abstr.) **(Rus)**

[Expediency of including ganglionic blockaders and neuroleptics in the complex treatment of vibration disease] Bel'skaia ML, et al. **Vrach Delo** (7):132–5, Jul 75 (Eng. Abstr.) **(Rus)**

[Changes of the functional state of the gastrointestinal tract in patients with vibration disease and in persons after long–term exposure to vibration] Manchak LV, et al. **Vrach Delo** (7):31–4, Jul 75 (Eng. Abstr.) **(Rus)**

[Stable functional changes in the body of miners under the effect of permissible levels of vibration and noise] Paran'ko NM, et al. **Vrach Delo** (2):122–6, Feb 74 (Eng. Abstr.) **(Rus)**

[A clinico–physiological study and work capacity evaluation of patients in the late stages of vibration disease] Dobrzhanskaia AK, et al. **Zh Nevropatol Psikhiatr** 75(4):566–70, 1975 (Eng. Abstr.) **(Rus)**

[Changes in auditory and vestibular analyzers and means of their prevention in riveters] Tytar' GM, et al. **Zh Ushn Nos Gorl Bolezn** (4):5–7, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Practical views on possibilities of preventing vibration damage] Kumlin T. **Lakartidningen** 73(24):2275, 9 Jun 76 **(Swe)**

[Nerve function disorders among persons who have worked with vibrating tools] Lidström IM. **Lakartidningen** 73(24):2272, 9 Jun 76 **(Swe)**

[Vibration damage in forestry and the mechanical industry] Nordin S, et al. **Lakartidningen** 73(24):2272–3, 9 Jun 76 **(Swe)**

[Vibration damage among miners] St Clair Renard KG. **Lakartidningen** 73(24):2273–4, 9 Jun 76 **(Swe)**

[Vibration injuries to the hands] Thulesius O. **Lakartidningen** 73(24):2269–70, 9 Jun 76 **(Swe)**

[Vibration and hearing damage among woodsmen] Tufvesson B, et al. **Lakartidningen** 73(24):2273, 9 Jun 76 **(Swe)**

[Vibration damage among building workers] Wallin R, et al. **Lakartidningen** 73(24):2274–5, 9 Jun 76 **(Swe)**

THERAPEUTIC USE

Influence of reverberation on stuttering. Adamczyk B, et al. **Folia Phoniatr (Basel)** 27(1):1–6, 1975

VIBRIO

R factors detected from Vibrio anguillarum and marin Vibrio. pp. 223–8. Aoki T, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Total viable count and differential count of vibrio (campylobacter) sputorum, fusobacterium nucleatum, selenomonas sputigena, bacteroides ochraceus and veillonella in the inflamed and non inflamed human gingival crevice. van Palenstein Helderman WH. **J Periodont Res** 10(5):294–305, Nov 75

[Appearance of anaerobic vibrionen species (vibriones) in cases of chronically recurrent vaginal fluor (author's transl)] Weissenbacher ER, et al. **Med Klin** 71(15):629–30, 9 Apr 76 (Eng. Abstr.) **(Ger)**

[Choleragenic intoxication in hydrobionts] Avtsyn AP, et al. **Biull Eksp Biol Med** 80(12):47–50, Dec 75 (Eng. Abstr.) **(Rus)**

[Isolation of halphilic vibrios in marine fishes and fish products] Grigor'ev IuI. **Vopr Pitan** (5):83–6, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Non agglutinating vibrios] Dunaev GS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):3–8, Dec 75 **(Rus)**

[Study of the flagellins of microorganisms of the Virbio and Aeromonas genera] Vvedenskaia OI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):128–9, Feb 76 **(Rus)**

ANALYSIS

Halophilic vibrios from fish and meat in Calcutta. Nair NV, et al. **Indian J Med Res** 63(4):558–64, Apr 75

[Use of disc electrophoresis in polyacrylamide gel method for the separation of soluble proteins of vibrios] Atarova GT, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):33–7, Jul 75 (Eng. Abstr.) **(Rus)**

[Comparative study of the proteinograms of vibrios and of closely related microorganisms by means of polyacrylamide gel disc electrophoresis] Atarova GT. **Zh Mikrobiol Epidemiol Immunobiol** (6):89–94, Jun 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Halophilic Vibrio species isolated from blood cultures. Hollis DG, et al. **J Clin Microbiol** 3(4):425–31, Apr 76

Vibrio cholerae flagellar antigens: a serodiagnostic test, functional implications of H–reactivity and taxonomic importance of cross–reactions within the Vibrio genus. Bhattacharyya FK. **Med Microbiol Immunol (Berl)** 162(1):29–41, 30 Dec 75

[Deoxyribonucleic acid hybridizations among some vibrio–like marine bacteria (author's transl)] Bianchi MA. **Arch Microbiol** 104(3):245–7, 28 Aug 75 (Eng. Abstr.) **(Fre)**

[Utilization of LIN (lysine–indole–motility) medium for the preliminary identification of enteropathogenic bacteria] Bockemühl J, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):259–65, Jul 75 (Eng. Abstr.) **(Ger)**

[NAG Vibrios (NCV)] Năcescu N, et al. **Rev Ig [Bacteriol]** 20(1):15–22, Jan–Mar 75 (28 ref.) (Eng. Abstr.) **(Rum)**

DRUG EFFECTS

Role of Mg2+ & Fe3+ on the reversal of Ni2+ toxicity in Inaba serotypes of Vibrio cholerae & Vibrio eltor. Karunasagar I, et al. **Indian J Exp Biol** 14(1):51–3, Jan 76

The in vitro activity of Midecamycin against various Vibrio species. Bonang G, et al. **Jpn J Exp Med** 45(1):43–5, Feb 75

Reduced nitrofuran sensitivity conferred by R factors. Aoki T, et al. **Jpn J Microbiol** 19(4):327–9, Aug 75

General anaesthetics and bacterial luminescence. I. The effect of diethyl ether on the in vivo light emission of Vibrio fischeri. Middleton AJ, et al. **Proc R Soc Lond [Biol]** 193(1111):159–71, 13 Apr 75

[Action of antibiotic combinations with furacilin on the synthesis of proteins and nucleic acids in intact NAG–vibrio cells] Belizhenko VD. **Antibiotiki** 20(5):456–8, May 75 (Eng. Abstr.) **(Rus)**

[Sensitivity of halophilic vibrions isolated on the Black Sea coast to some antibiotics and chemotherapeutic preparations] Libinzon AE, et al. **Antibiotiki** 20(10):925–6, Oct 75 **(Rus)**

ENZYMOLOGY

Temperature and hydrostatic pressure effects on gelatinase activity of a Vibrio sp. and partially purified gelatinase. Weimer MS, et al. **Z Allg Mikrobiol** 14(8):719–25, 1974

[The dehydrogenation of butandiol by 'vibrio parahaemolyticus' and other vibrios (author's transl)] d'Almeida AG, et al. **Ann Microbiol (Paris)** 127(3):455–8, Apr 76 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Failure of vaccines to protect salmon from vibriosis enzootic in Puget Sound, Washington. Gunnels RD, et al. **Am J Vet Res** 37(6):737–40, Jun 76

Vibrio cholerae flagellar antigens: a serodiagnostic test, functional implications of H–reactivity and taxonomic importance of cross–reactions within the Vibrio genus. Bhattacharyya FK. **Med Microbiol Immunol (Berl)** 162(1):29–41, 30 Dec 75

[Type differentiation of V. fetus and V. bubulus by using fluorescent antisera] Zhekov S, et al. **Vet Med Nauki** 12(4):84–7, 1975 (Eng. Abstr.) **(Bul)**

[The antigenic structure of vibrions studied by means of agglutination and fluorescent antibodies] Sârtmadshiev K, et al. **Arch Exp Veterinaermed** 29(5):655–60, 1975 (Eng. Abstr.) **(Ger)**

[The problem of studying the antigenic structure of water Vibrio] Vasilenko PV, et al. **Gig Sanit** (4):103–6, Apr 75 **(Rus)**

[Identity of the H–antigen in cholera and NAG vibrios] Bondarev IN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):125–6, Apr 76 **(Rus)**

[Differences in certain immunological indices among persons who have had cholera and among Vibrio carriers] Bunin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):29–32, Sep 75 (Eng. Abstr.) **(Rus)**

[Serologic interrelations of choleragen and the neurotoxins of enterobacteria] Kamzolkina NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):50–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Antigenic structure of non–agglutinating vibrios and bacteria of the genus Aeromonas] Vvedenskaia OI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):60–5, 1976 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Incidence of Vibrio parahaemolyticus in Chesapeake Bay. Kaneko T, et al. **Appl Microbiol** 30(2):251–7, Aug 75

Characteristics of non–agglutinable vibrios isolated from the intestine of cold blooded animals. Chatterjee BD, et al. **Bull Calcutta Sch Trop Med** 21(1):3–5, Jan 73

The isolation of Vibrio parahaemolyticus and related vibrios from moribund aquarium lobsters. Brinkley AW, et al. **Can J Microbiol** 22(2):315–7, Feb 76

Application of the gluconate test as a differential diagnosis between cholera vibrios and so-called non agglutinable vibrios (preliminary note). pp. 83–9. Pastoris MC, et al.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.

Isolation of Vibrio alginolyticus from wound infections. Rubin SJ, et al. **J Clin Microbiol** 2(6):556–8, Dec 75

Elective medium for the direct count of vibrio (campylobacter) fusobacteria, bacteroides, selenomonas and veillonella in the gingival crevice flora. van Palenstein Helderman WH, et al. **J Periodont Res** 10(4):230–41, Oct 75

Tissue invasion by unnamed marine vibrios. Fernandez CR, et al. **JAMA** 233(11):1173–6, 15 Sep 75

[Study of Vibrio strains isolated from swine] Semov P, et al. **Vet Med Nauki** 12(10):29–34, 1975 (Eng. Abstr.) **(Bul)**

[Isolation of water vibrios in Greece (author's transl)] Papadakis JA, et al. **Ann Microbiol (Paris)** 126(3):361–5, Apr 75 (Eng. Abstr.) **(Fre)**

[Bdellovibrio bacteriovorus as an active factor of self purification of surface waters under hygienic aspects] Sidorenko GI, et al. **Z Gesamte Hyg** 21(12):874–6, 1975 **(Ger)**

[Contribution to the bacteriological identification of vibrios] Winkler D, et al. **Z Gesamte Hyg** 21(12):883–7, 1975 (Eng. Abstr.) **(Ger)**

[Isolation under the influence of tetracycline of L-forms of Menchikov's vibrio and the NAG vibrio and their biological properties] Timakov VD, et al. **Biull Eksp Biol Med** 80(9):56–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Method of serological typing of Vibrios] Krasnova IN. **Lab Delo** (12):732, 1975 **(Rus)**

[Medium for the isolation of vibrios from pathological materials] Golikov AV, et al. **Veterinariia** (6):104–5, Jun 75 **(Rus)**

[Biological characteristics of non-agglutinating vibrios isolated from persons in different regions of the USSR] Ganin VS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):144–5, May 76 **(Rus)**

[Possibility of using preservatives and media enrichment for the simultaneous isolation of vibrios, Shigella and Salmonella] Givental' NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (4):135–6, Apr 75 **(Rus)**

[Comparison of nutrient media for isolation of microflora in swine dysentery] Križanová H, et al. **Vet Med (Praha)** 20(7):407–13, Jul 75 (Eng. Abstr.) **(Slo)**

METABOLISM

Hydrogen-dependent organisms from the human gingival crevice resembling Vibrio succinogenes. Van Palenstein Helderman WH, et al. **Antonie van Leeuwenhoek** 42(1–2):107–18, 1976

Characterization of the factors responsible for death of fish infected with Vibrio anguillarum. Umbreit TH, et al. **Can J Microbiol** 21(8):1272–4, Aug 75

Clinical isolates of anaerobic gram-negative rods with a formate-fumarate energy metabolism: Bacteroides corrodens, Vibrio succionogenes, and unidentified strains. Smibert RM, et al. **J Clin Microbiol** 3(4):432–7, Apr 76

[Bacterial decomposition of ammonium perchlorate] Romanenko VI, et al. **Mikrobiologiia** 45(2):204–9, Mar-Apr 76 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

The etiology of swine dysentery. I. Oral inoculation of germ-free swine with Treponema hyodysenteriae and Vibrio coli. Meyer RC, et al. **Vet Pathol** 11(6):515–26, 1974

ULTRASTRUCTURE

Effects of some chemical factors on flagellation and swarming of Vibrio alginolyticus. De Boer SE, et al. **Antonie van Leeuwenhoek** 41(4):385–403, 1975

Tubular structures of Vibrio psychroerythrus. D'Aoust JY, et al. **Arch Microbiol** 107(1):71–3, Feb 76

Salt response of ribosomes of a moderately halophilic bacterium. Wydro R, et al. **FEBS Lett** 60(1):210–5, 1 Dec 75

[Study of the ultrastructure of various representatives of the genus Vibrio in relation to toxicogenesis] Andrusenko IT, et al. **Med Educ** 38(2):201–4, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

VIBRIO CHOLERAE

Interaction of cholera toxin and ganglioside G(M1). Svennerholm L. **Adv Exp Med Biol** 71:191–204, 1976

The role of gangliosides in the action of cholera toxin. van Heyningen WE, et al. **Adv Exp Med Biol** 71:205–14, 1976

Structure and specificity of gangliosides. Wiegandt H. **Adv Exp Med Biol** 71(00):3–14, 1976

Prostaglandin E in cholera toxin-induced intestinal secretion. Lack of an intermediary role. Hudson N, et al. **Am J Dig Dis** 20(11):1035–9, Nov 75

Lack of effect of cholera enterotoxin on electrical resistance of lipid bilayer membranes. Gallucci E, et al. **Arch Int Physiol Biochim** 83(2):325–7, May 75

Cholera toxin inhibits interferon action. Friedman RM, et al. **Biochem Biophys Res Commun** 70(4):1078–84, 21 Jun 76

Sequence similarity between cholera toxin and glycoprotein hormones: implications for structure activity relationship and mechanism of action. Ledley FD, et al. **Biochem Biophys Res Commun** 69(4):852–9, 19 Apr 76

Phosphorylation of the active, A1 component of cholera toxin by protein kinase. Rosen OM. **Biochemistry** 15(13):2902–5, 29 Jun 76

On the mechanism of action of cholera toxin on isolated rat adrenocortical cells. Comparison with the effects of adrenocorticotropin on steroidogenesis and cyclic AMP output. Palfreyman JW, et al. **Biochim Biophys Acta** 404(2):221–30, 9 Oct 75

Proceedings: Cyclic AMP in HeLa cells stimulated with cholera enterotoxin and methylxanthines. King JJ, et al. **Br J Pharmacol** 55(2):287P, Oct 75

Adsorption characteristic of a group I cholera phage. Chanda PK, et al. **Bull Calcutta Sch Trop Med** 21(1):7–8, Jan 73

Cholera toxin effects on cell growth accompanied by selective alterations in metabolite uptake and modification of cell surface proteins. Rieber M, et al. **Cancer Res** 35(11 Pt 1):3009–13, Nov 75

Stimulated flow of pancreatic and biliary secretions after intestinal exposure to cholera toxin. Freiman I, et al. **Clin Sci Mol Med** 51(1):81–5, Jul 76

Effect of cholera toxin on intramembranous particles of a murine lymphoid cell line. Douglas SD, et al. **Exp Cell Res** 101(1):111–21, Aug 76

Effects of cholera enterotoxin, glucagon, and dibutyryl cyclic AMP on rat liver alkaline phosphatase, bile flow, and bile composition. Baker AL, et al. **Gastroenterology** 70(4):577–81, Apr 76

Studies on the stimulation of adenylate cyclase by cholera toxin. pp. 331–40. Flores J, et al.
In: Case RM, Goebell H, ed. Stimulus-secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.

A temperature-sensitive resistance factor obtained from naturally isolated drug-resistant Vibrio cholerae (biotype El Tor). pp. 229–36. Yokota T, et al.
In: Mitsuhashi S, Hashimoto J, ed. Microbial drug resistance. Baltimore, Univ Park Press, 1975. QW 52 M624 1974.

Adhesive properties of Vibrio cholerae: adhesion to isolated rabbit brush border membranes and hemagglutinating activity. Jones GW, et al. **Infect Immun** 14(1):232–39, Jul 76

Selective inhibition of cholera toxin- and catecholamine-stimulated lipolysis by blocking agents. Katz MS, et al. **Infect Immun** 12(5):964–8, Nov 75

Comparison of the rate of absorption and proteolysis of [14C]choleragen and [14C]bovine serum albumin in the rat jejunum. Strombeck DR, et al. **Infect Immun** 12(6):1450–6, Dec 75

Interaction of cholera toxin and toxin derivatives with lymphocytes. II. Modulating effects of cholera toxin on in vivo humoral and cellular immune responses. Lindholm L, et al. **Int Arch Allergy Appl Immunol** 50(5):555–73, 1976

Effects of cholera toxin on adenylate cyclase. Studies with guanylylimidodiphosphate. Flores J, et al. **J Clin Invest** 56(5):1345–9, Nov 75

Activation of adenylate cyclase by cholera toxin in rat liver homogenates. Flores J, et al. **J Clin Invest** 57(2):450–8, Feb 76

Intestinal myoelectric activity in response to live Vibrio cholerae and cholera enterotoxin. Mathias JR, et al. **J Clin Invest** 58(1):91–6, Jul 76

A 98 megadalton R factor of compatibility group C in a Vibrio cholerae El Tor isolate from southern U.S.S.R. Hedges RW, et al. **J Gen Microbiol** 89(2):383–6, Aug 75

Protein reagent modification of cholera toxin: characterization of effects on antigenic, receptor-binding and toxic properties. Lönnroth I, et al. **J Gen Microbiol** 91(2):263–77, Dec 75

In vitro production of IgE by human peripheral blood lymphocytes: effect of cholera toxin and beta adrenergic stimulation. Patterson R, et al. **J Immunol** 117(1):97–101, Jul 76

Stimulation of adenylate cyclase by Vibrio cholerae toxin and its active subunit. Berkenbile F, et al. **J Infect Dis** 133 Suppl:82–8, Mar 76

Interactions of choleragenoid and GM1 ganglioside with enterotoxins of Vibrio cholerae and Escherichia coli in cultured adrenal cells. Donta ST. **J Infect Dis** 133 Suppl:115–9, Mar 76

Multiple roles of erythrocyte supernatant in the activation of adenylate cyclase by Vibrio cholerae toxin in vitro. Gill DM. **J Infect Dis** 133 Suppl:55–63, Mar 76

Cholera toxin and the adenylate cyclase-activating signal. Holmgren J, et al. **J Infect Dis** 133 Suppl:64–74, Mar 76

Aspects of the interaction of Vibrio cholerae toxin with the pigeon red cell membrane. King CA, et al. **J Infect Dis** 133 Suppl:75–81, Mar 76

Chemical characterization of the structure of cholera toxin and its natural toxoid. Kurosky A, et al. **J Infect Dis** 133 Suppl:14–22, Mar 76

Chemistry of cholera toxin: the subunit structure. Lai CY, et al. **J Infect Dis** 133 Suppl:23–30, Mar 76

Size and structure of the cholera toxin molecule and its subunits. Ohtomo N, et al. **J Infect Dis** 133 Suppl:31–40, Mar 76

The subunits of cholera toxin: structure, stoichiometry, and function. van Heyningen S. **J Infect Dis** 133 Suppl:5–13, Mar 76

Interaction of Vibrio cholerae toxin with sarcoma 180 cell membranes. Wheeler MA, et al. **J Infect Dis** 133 Suppl:89–96, Mar 76

Mode of action of Vibrio cholerae enterotoxin in cultured adrenal tumor cells. Wishnow RM, et al. **J Infect Dis** 133 Suppl:108–14, Mar 76

Mechanism of activation of adenylate cyclase by Vibrio cholerae enterotoxin. Relations to the mode of activation by hormones. Bennett V, et al. **J Membr Biol** 24(2):107–29, 7 Nov 75

Positive inotropic activity of cholera enterotoxin on the embryonic chick heart. Hedtke JL, et al. **J Pharmacol Exp Ther** 197(1):27–37, Apr 76

Abortifacient effects of Vibrio cholerae exo-enterotoxin and endotoxin in mice. Gasic GJ, et al. **J Reprod Fertil** 45(2):315–22, Nov 75

Structure and function of cholera toxin and hormone receptors. Bennett V, et al. **J Supramol Struct** 4(1):99–120, 1976

Selective modification of cell surface proteins and thymidine transport in hamster cells exposed to cholera toxin. Rieber M, et al. **J Supramol Struct** 4(1):127–32, 1976

Proceedings: Cholera-like enterotoxin produced by Escherichia coli. Evans DJ Jr, et al. **Jpn J Med Sci Biol** 28(1):83–6, Feb 75

Proceedings: Observations on the cholera enterotoxin (choleragen). Finkelstein RA. **Jpn J Med Sci Biol** 28(1):76–8, Feb 75

Similarity of responses of cultured Sertoli cells to cholera toxin and FSH. Fritz IB, et al. **Mol Cell Endocrinol** 5(3–4):289–94, Aug–Sep 76

The effects of cholera toxin on the adrenal weight in hypophysectomized rats. Marton J, et al. **Mol Cell Endocrinol** 5(1–2):147–9, Jun–Jul 76

Socio-economic and environmental factors and human health example of cholera El Tor in Manila. Velimirovic B, et al. **Zentralbl Bakteriol [Orig B]** 160(1):1–27, 1975

[Discovery of the colera pathogen] Schadewaldt H. **Dtsch Med Wochenschr** 100(41):2119–22, 10 Oct 75 **(Ger)**

[Epidemiology, diagnosis, pathogenesis and immunology of cholera] Bockemühl J, et al. **Immun Infekt** 1(1):16–21, Oct 73 (Eng. Abstr.) **(Ger)**

[Electron microscopic observation of cholera toxin molecules] Kaminaka H, et al. **Jpn J Bacteriol** 30(1):138, Jan 75 **(Jpn)**

[Genetic characteristics of R factor of Vibrio cholerae and adaptive development of resistance] Yokota K, et al. **Jpn J Bacteriol** 30(1):101, Jan 75 **(Jpn)**

[Ecology of the cholera vibrions] Baroian OV, et al. **Vestn Akad Med Nauk SSSR** (2):45–53, 1975 (Eng. Abstr.) **(Rus)**

[Polyvalent diagnostic cholera phage] Drozhevkina MS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):82–4, Jun 76 (Eng. Abstr.) **(Rus)**

[Changes in the lungs of white mice under the action of cholera exotoxin] Durikhin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):131–2, Sep 75 **(Rus)**

ANALYSIS

The arrangement of subunits in cholera toxin. Gill DM. **Biochemistry** 15(6):1242–8, 23 Mar 76

Studies of the subunit structure of choleragen. Sattler J, et al. **Eur J Biochem** 57(1):309–16, 1 Sep 75

Chemical composition & fatty acid pattern of lipopolysaccharides from Vibrio cholerae. Raziuddin S, et al. **Indian J Biochem Biophys** 13(1):57–61, Mar 76

Effect of growth temperature and culture age on the lipid composition of Vibrio cholerae 569B (Inaba). Raziuddin SR. **J Gen Microbiol** 94(2):367–72, Jun 76

[Biological activity of the cell components of Vibrio cholerae. II. A comparison between IF30 and I-LPS fractions] Ishiwara T, et al. **Jpn J Bacteriol** 30(1):180, Jan 75 **(Jpn)**

[Determination of choleragen activity in tadpoles] Ermol'eva EV, et al. **Biull Eksp Biol Med** 80(11):57–60, Nov 75 **(Rus)**

CLASSIFICATION

Studies on the so-called NAG vibrios. Sil J, et al. **Indian J Med Res** 63(5):724–32, May 75

[Classification of Vibrio cholerae and related organisms] Shimada T. **Jpn J Bacteriol** 30(1):45–6, Jan 75 **(Jpn)**

[So-called mucoid forms of vibrio cholerae] Shafershtein DL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):81–6, Feb 76 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Adhesive properties of Vibrio cholerae: nature of the interaction with intact mucosal surfaces. Freter R, et al. **Infect Immun** 14(1):246–56, Jul 76

Adhesive properties of Vibrio cholerae: nature of the interaction with isolated rabbit brush border membranes and human erythrocytes. Jones GW, et al. **Infect Immun** 14(1):240–5, Jul 76

DRUG EFFECTS

Disinfecting action of chlorine on vibrios in a hydric environment. pp. 139–41. De Fulvio S, et al.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.

Role of Mg2+ & Fe3+ on the reversal of Ni2+ toxicity in Inaba serotypes of Vibrio cholerae & Vibrio eltor. Karunasagar I, et al. **Indian J Exp Biol** 14(1):51–3, Jan 76

Interbiotype conversion of cholera vibrios by action of mutagens. Bhattacharya P, et al. **Prog Drug Res** 19:466–70, 1975

Cholericidic effect of some intestinal disinfectants. Vitéz I, et al. **Zentralbl Bakteriol [Orig A]** 233(4):536–41, Dec 75

[Comparative study of the epidemiology of cholera and sensitivity to antibiotics of strains collected during the epidemiological period in 1971 and 1972 in Wilaya de Constantine] Stefkov AS, et al. **God Zb Med Fak Skopje** 21:133–42, 1975 **(Fre)**

[Behavior of Vibrio cholerae strains of the biotype El Tor isolated in Apulia in 1973, in relation to various antibiotics and chemotherapeutics] Rizzo G, et al. **Ann Sclavo** 17(3):473–9, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Analysis of the data in the literature on the sensitivity of cholera vibrios to tetracycline] Semiotrochev VL, et al. **Antibiotiki** 20(7):623–8, Jun 75 (Eng. Abstr.) **(Rus)**

[Reduction of the biological activity of Vibrio cholerae culture filtrates exposed to neuraminidase inhibitors] Durikhin KV. **Biull Eksp Biol Med** 81(4):452–4, 1976 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Induction of tryptophanase in nitrofurantoin resistant Vibrio El Tor. Dastidar PG, et al. **Acta Microbiol Pol** 25(2):113–6, 1976

The anomeric configuration of N-acetylneuraminic acid released by the action of Vibrio cholerae neuraminidase. Holmquist L, et al. **FEBS Lett** 60(2):327–30, 15 Dec 75

[Role of neuraminidase from cholera vibrions in the pathogenesis of experimental cholera] Solov'ev VD, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):94–9, May 75 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Viability of Vibrio cholerae biotype El Tor and of cholera phage on vegetables. Gerichter CB, et al. **Isr J Med Sci** 11(9):889–95, Sep 75

Colony morphology of Vibrio Cholerae on SV medium. Salles CA, et al. **J Appl Bacteriol** 40(2):213–6, Apr 76

Growth inhibition of Vibrio cholerae by d-camphor. Adhikari PC. **J Gen Microbiol** 91(2):414–6, Dec 75

Suppression of growth of Vibrio cholerae in the intestine of immunized mice. Knop J, et al. **Med Microbiol Immunol (Berl)** 162(2):153–8, 1 Jun 76

[Period of survival of some intestinal bacteria in the Cary and Blair preservation and transport medium] Ciufecu C, et al. **Rev Ig [Bacteriol]** 19(4):331–8, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

Antibacterial mechanisms in the intestine. Elimination of V. cholerae from the gastrointestinal tract of adult mice. Knop J, et al. **Aust J Exp Biol Med Sci** 53(2):137–46, Apr 75

Antibacterial mechanisms in the intestine. Elimination of V. cholerae from the intestines of infant mice and the role of antibody. Knop J, et al. **Aust J Exp Biol Med Sci** 53(2):147–54, Apr 75

Protection against cholera. A bactericidal mechanism on the mucosal surface of the small intestine of mice. Knop J, et al. **Aust J Exp Biol Med Sci** 53(2):155–65, Apr 75

Location and the primary structure around the disulfide bonds in cholera toxin. Mendez E, et al. **Biochem Biophys Res Commun** 67(4):1435–43, 15 Dec 75

Possibilities of immunization against cholera and related enterotoxic enteropathies. Finkelstein RA. **Dev Biol Stand** 33:102–7, 1976

Efficacy of a live oral cholera vaccine in human volunteers. Woodward WE, et al. **Dev Biol Stand** 33:108–12, 1976

Vibriolytic IgG immunocyte response of mice after primary and secondary immunization with cholera somatic antigens. Friedman H. **Immunology** 29(2):283–99, Aug 75

The differential effect of cholera toxin on the lymphocyte stimulation induced by various mitogens. Vischer TL, et al. **Immunology** 29(2):275–82, Aug 75

The expression of intestinal immunity against V. cholerae. pp. 419–35. Rowley D.
In: Beers RF Jr, Basset E, ed. The role of immunological factors in infectious, allergic, and autoimmune processes. New York, Raven Press, 1976. W3 MI543 no.8. (50 ref.)

Anti-vibrio antibodies in persons vaccinated against and convalescing from cholera in the Italian epidemic August–Septemter 1973 (preliminary note). pp. 91–5. Panichi G, et al.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.

Morphological and steroidogenic changes in cultured adrenal tumor cells induced by a subunit of cholera enterotoxin. Donta ST, et al. **Infect Immun** 13(5):1479–82, May 76

Virulence factors involved in the intraperitoneal infection of adult mice with Vibrio cholerae. Eubanks ER, et al. **Infect Immun** 13(2):457–63, Feb 76

Binding of cholera toxin by various tissues. Gascoyne N, et al. **Infect Immun** 12(3):466–9, Sep 75

Synergistic protective effect in rabbits of immunization with Vibrio cholerae lipopolysaccharide and toxin/toxoid. Svennerholm AM, et al. **Infect Immun** 13(3):735–40, Mar 76

Experimental studies on cholera immunization. 4. The antibody response to formalinized Vibrio cholerae and purified endotoxin with special reference to protective capacity. Svennerholm AM.
Int Arch Allergy Appl Immunol 49(4):434–52, 1975

Cellular kinetics of the intestinal immune response to cholera toxoid in rats. Pierce NF, et al. **J Exp Med** 142(6):1550–63, 1 Dec 75

Type-specific action of vibriocidal antibody on Vibrio cholerae. Pykett AH, et al. **J Hyg (Camb)** 75(3):399–406, Dec 75

Purification of heat-labile enterotoxin from Escherichia coli O78:H11 by affinity chromatography with antserum to Vibrio cholerae toxin. Dafni Z, et al. **J Infect Dis** 133 Suppl:138–41, Mar 76

Proceedings: Interrelationships between cholera toxin, cholera toxoid, and cellular immunity. Northrup R, et al. **Jpn J Med Sci Biol** 28(1):79–81, Feb 75

Vibrio cholerae flagellar antigens: a serodiagnostic test, functional implications of H-reactivity and taxonomic importance of cross-reactions within the Vibrio genus. Bhattacharyya FK. **Med Microbiol Immunol (Berl)** 162(1):29–41, 30 Dec 75

Cell-wall antigens of V. cholerae and their implication in cholera immunity. Watanabe Y, et al. **Prog Drug Res** 19:612–22, 1975

[A new vaccinating antigenic fraction obtained from 'Vibrio cholerae' II. Biological properties of the Ch1+2 fraction compared with the bacterial vaccine (author's transl)] Dobin A, et al. **Ann Microbiol (Paris)** 126(1):45–56, Jan 75 (Eng. Abstr.) **(Fre)**

[A new vaccinating antigenic fraction obtained from 'Vibrio cholerae' I.—Isolation and characterization of the new fraction (author's transl)] Dodin A, et al. **Ann Microbiol (Paris)** 126(1):39–44, Jan 75 (Eng. Abstr.) **(Fre)**

[Research on V. cholerae anti-antibodies (agglutinating and vibriocidal) in patients affected by cholera-like gastroenteritis. Studies performed during the cholera epidemic occurred in Apulia in August–September 1973] Barbuti S, et al. **Ann Sclavo** 17(3):449–59, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Serological response in man to an anticholera vaccine made from killed vibrios and partially purified with aluminium hydroxide] Soscia M, et al. **Ann Sclavo** 17(3):257–66, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Improvement of the method of the H-agglutination reaction with Vibrios on glass] Bondarev IN, et al. **Lab Delo** (12):747–8, 1975 **(Rus)**

[Detection of specific O-antigen in atypical cultures of Vibrio cholerae with the aid of immunochemical methods of study] Lavrovskaia VM, et al. **Lab Delo** (12):735–8, 1975 **(Rus)**

[Effect of cholerogen on tissue culture cells] Ermol'eva ZV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):37–40, Apr 76 (Eng. Abstr.) **(Rus)**

[Patterns in the body's immune response to administration of El Tor vibrio cholera toxin to experimental animals] Korovkina GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):30–4, Jan 76 (Eng. Abstr.) **(Rus)**

[Production and use of a cholera antigenic erythrocyte diagnostic agent] Mazrukho BL, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):26–30, Jan 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Microbiological examination of ship sewage for the presence of Vibrio cholerae. Pietkiewicz K. **Bull Inst Marit Trop Med Gdynia** 26(1):87–91, 1975

Laboratory investigation and infection control of cholera in Kingston, Ont. Lewis RG, et al. **Can Med Assoc J** 115(5):397–8, 4 Sep 76

Survival in Vibrio cholerae in the live shellfish. Fukuyoshi S, et al. **Fukuoka Acta Med** 66(9):536–40, 25 Sep 75

[Characteristics of various NAG vibriones isolated in Italy] Gatti M, et al. **Ann Sclavo** 17(5):740–8, SEP–OCT 75 (Eng. Abstr.) **(Ita)**

[Studies on the spread of Vibrio cholerae, biotype El Tor in the environment during the period following the 1973 epidemic in Apulia] Leogrande G, et al. **Ann Sclavo** 17(3):480–8, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Use of media with antibiotics for isolating resistant forms of the cholera vibrios] Libinzon AE, et al. **Antibiotiki** 21(2):141–4, Feb 76 (Eng. Abstr.) **(Rus)**

[Comparative data for the determination of the quality of the nutrient media for the diagnosis of cholera by means of cultures of Vibrio cholerae of various ages] Stogova AG. **Lab Delo** (11):687–8, 1975 **(Rus)**

[Study of the fractional makeup of diagnostic nutrient media for isolating Vibrio cholerae] Golshmid VK, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):94–6, Jun 76 (Eng. Abstr.) **(Rus)**

[A new method of isolating pure cultures of the cholera vibrio. III] Popov AB, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):41–5, May 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Amino acid metabolism and protein synthesis in streptomycin resistant Vibrio El Tor. Bhattacharya G, et al. **Acta Microbiol Pol** 25(2):117–22, 1976

Effect of cold shock on the actively growing Vibrio cholerae cells. Adhikari PC, et al. **Bull Calcutta Sch Trop Med** 21(1):6–7, Jan 73

[Quantitative analysis of cholera toxin – use of cultured tumor cells and their mutants] Nozawa T, et al. **Jpn J Bacteriol** 30(1):230, Jan 75 **(Jpn)**

[Reverse transformation of tumor cells caused by cholera toxin and the substance inhibiting the process] Nozawa T, et al. **Jpn J Bacteriol** 30(1):231, Jan 75 **(Jpn)**

[Choleragen and neuraminidase production by Vibrio in vitro] Durikhin KV, et al. **Biull Eksp Biol Med** 81(5):556–8, May 76 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Vibrio cholerae infection and immunity in mice. Lee MM, et al. **Aust J Exp Biol Med Sci** 53(5):361–72, Oct 76

Distribution of cholera organisms in experimental Vibrio cholerae infections: proposed mechanisms of pathogenesis and antibacterial immunity. Schrank GD, et al. **Infect Immun** 13(1):195–203, Jan 76

Virulence-enhancing effect of ferric ammonium citrate on Vibrio cholerae. Joó I. **Prog Drug Res** 19:546–53, 1975

PHYSIOLOGY

Potential for in vivo acquisition of R plasmids by one strain of Vibrio cholerae biotype El tor. Davey RB, et al. **Antimicrob Agents Chemother** 8(2):111–6, Aug 75

Recent studies on genetic recombination in Vibrio cholerae. Bhaskaran K. **Prog Drug Res** 19:460–5, 1975

ULTRASTRUCTURE

[Immunologic cytolysis reaction. (1). Reactions between the cell wall outer membrane of Vibrio cholerae and intestinal bacteria and normal sera of man and guinea pigs] Hisatsune K, et al. **Jpn J Bacteriol** 30(1):87, Jan 75 **(Jpn)**

[Electron microscopy of cholera vibrios from the intestinal contents of infected suckling rabbits] Lobanov VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):90–2, Jul 75 (Eng. Abstr.) **(Rus)**

[Study of the ultrastructure of various representatives of the genus Vibrio in relation to toxicogenesis] Andrusenko IT, et al. **Med Educ** 38(2):201–4, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

VIBRIO COMMA see **VIBRIO CHOLERAE**

VIBRIO INFECTIONS

Tissue invasion by unnamed marine vibrios. Fernandez CR, et al. **JAMA** 233(11):1173–6, 15 Sep 75

Vibrio parahaemolyticus-food poisoning: case report. Corner BM, et al. **NZ Med J** 83(559):155–6, 10 Mar 76

Vibrio parahaemolyticus as a cause of gastroenteritis in Indonesia. Bonang G, et al. **Trop Geogr Med** 27(2):209–10, Jun 75

[Gastrointestinal disorders caused by non-agglutinable (NAG) vibrios] Konrad I, et al. **Rev Ig [Bacteriol]** 20(2):87–92, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[Problems of epidemiology of acute gastroenteritis caused by the parahemolytic vibrio] Malafeeva LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):8–14, Jul 75 (31 ref.) **(Rus)**

DIAGNOSIS

Isolation of Vibrio alginolyticus from wound infections. Rubin SJ, et al. **J Clin Microbiol** 2(6):556–8, Dec 75

[NAG Vibrios (NCV)] Năcescu N, et al. **Rev Ig [Bacteriol]** 20(1):15–22, Jan–Mar 75 (28 ref.) (Eng. Abstr.) **(Rum)**

[Non agglutinating vibrios] Dunaev GS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):3–8, Dec 75 **(Rus)**

ETIOLOGY

[Food poisoning by Vibrio parahaemolyticus] Iida H. **Hokkaido J Med Sci** 50(6):533–9, Nov 75 (21 ref.) **(Jpn)**

IMMUNOLOGY

[Antibody titers against the thermostable direct hemolysin in the sera of patients with Vibrio parahaemolyticus infection] Miwatani T, et al. **J Jpn Assoc Infect Dis** 50(2):46–51, Feb 76 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Clinical isolation of Yersinia enterocolitica: cold temperature enrichment. Greenwood JR, et al. **J Clin Microbiol** 2(6):559–60, Dec 75

False-positive rabbit ileal loop reactions attributed to Vibrio parahaemolyticus broth filtrates. Johnson DE, et al. **J Infect Dis** 133(4):436–40, Apr 76

Studies on Vibrio parahaemolyticus in Bombay. Saldanha FL, et al. **Prog Drug Res** 19:586–93, 1975

Morphological, cultural and biochemical characteristics of Vibrio parahaemolyticus, isolated in Romania from acute gastro-enteritis. Ciufecu C, et al. **Zentralbl Bakteriol [Orig A]** 234(2):212–8, Mar 76

[New antigenic type K strains of vibrio parahaemolyticus isolated from food poisoning patients in Kobe City] Terada T, et al. **Jpn J Bacteriol** 30(3):515–6, May 75 **(Jpn)**

[NAG infection of grass frog (Rana temporaria) tadpoles] Avtsyn AP, et al. **Biull Eksp Biol Med** 82(7):841–3, Jul 76 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Studies on Vibrio parahaemolyticus infection in Calcutta as compared to cholera infection. Deb BC. **Prog Drug Res** 19:490–502, 1975

VETERINARY

Failure of vaccines to protect salmon from vibriosis enzootic in Puget Sound, Washington. Gunnels RD, et al. **Am J Vet Res** 37(6):737–40, Jun 76

Cystine aminopeptidase activity (oxytocinase) in pregnant guinea pigs: normal and infected with Campylobacter fetus. Hrabak R, et al. **Am J Vet Res** 37(3):343–4, Mar 76

Ovine campylobacterosis: preliminary studies of the efficacy of the in vitro serum bactericidal test as an assay for the potency of Campylobacter (Vibrio) fetus subsp intestinalis bacterins. Williams CE, et al. **Am J Vet Res** 37(4):409–15, Apr 76

Infections associated with ovine perinatal mortality in Victoria. Broadbent DW. **Aust Vet J** 51(2):71–4, Feb 75

Perinatal lamb mortality in Western Australia: 5. Vibrionic infection. Dennis SM. **Aust Vet J** 51(1):11–3, Jan 75

Characterization of the factors responsible for death of fish infected with Vibrio anguillarum. Umbreit TH, et al. **Can J Microbiol** 21(8):1272–4, Aug 75

Recent discoveries regarding swine dysentery. Harris DL, et al. **Folia Vet Lat** 5(3):433–50, Jul–Sep 75 (48 ref.)

Bovine venereal vibriosis. Ultrastructure of endometrial inflammatory lesions. Corbeil LB, et al. **Lab Invest** 33(2):187–92, Aug 75

Swine dysentery. Pearce HG, et al. **NZ Vet J** 23(8):183–4, Aug 75

[Epidemiologic studies on the Vibrio fetus infection of cattle] Bisping W, et al. **Berl Munch Tieraerztl Wochenschr** 89(12):233–7, 15 JUN 76 (Eng. Abstr.) **(Ger)**

[Etiology of vibriosis in animals] Babakishvili DI. **Veterinariia** (8):69–71, Aug 75 **(Rus)**

[Medium for the isolation of vibrios from pathological materials] Golikov AV, et al. **Veterinariia** (6):104–5, Jun 75 **(Rus)**

[Experience in the eradication of swine dysentery from farms] Pospeev MF, et al. **Veterinariia** (3):63–4, Mar 76 **(Rus)**

VIBRIO PARAHAEMOLYTICUS

Emergence of Vibrio parahaemolyticus as an important cause of diarrhea in Malaysia. Jegathesan M, et al. **Am J Trop Med Hyg** 25(1):201–2, Jan 76

Interaction of thermostable direct hemolysin of Vibrio parahaemolyticus with human erythrocytes. Sakurai J, et al. **Biken J** 18(4):187–92, Dec 75

Identification of lethal toxin with the thermostable direct hemolysin produced by Vibrio parahaemolyticus, and some physicochemical properties of the purified toxin. Honda T, et al. **Infect Immun** 13(1):133–9, Jan 76

Demonstration of the cardiotoxicity of the thermostable direct hemolysin (lethal toxin) produced by Vibrio parahaemolyticus. Honda T, et al. **Infect Immun** 13(1):163–71, Jan 76

Inhibition of hemolytic activity of the thermostable direct hemolysin of Vibrio parahaemolyticus by ganglioside. Takeda R, et al. **Infect Immun** 12(4):931–3, Oct 75

Proceedings: Extraction, purification, and biophysico-chemical characteristics of a 'Kanagawa phenomenon'-associated hemolytic factor of Vibrio parahaemolyticus. Miyamoto Y, et al. **Jpn J Med Sci Biol** 28(1):87–90, Feb 75

Proceedings: Morphological changes of FL cells induced by thermostable direct hemolysin of Vibrio parahaemolyticus. Sakurai J, et al. **Jpn J Med Sci Biol** 28(5–6):334–7, Oct–Dec 75

Proceedings: Effect of heat on direct hemolysin of Vibrio parahaemolyticus; demonstration of an inactivating factor of purified thermostable direct hemolysin. Takeda Y, et al. **Jpn J Med Sci Biol** 28(1):90–3, Feb 75

Proceedings: Neuraminidase-sensitive gangliosides: possible tissue receptors for thermostable direct hemolysin of Vibrio parahaemolyticus. Takeda Y, et al. **Jpn J Med Sci Biol** 28(5–6):337–40, Oct–Dec 75

Lethal effect of fresh sea water on Vibrio parahaemolyticus and isolation of Bdellovibrio parasitic against the organism. Miyamoto S, et al. **Jpn J Microbiol** 19(4):309–17, Aug 75

Vibrio parahaemolyticus-food poisoning: case report. Corner BM, et al. **NZ Med J** 83(559):155–6, 10 Mar 76

Studies on Vibrio parahaemolyticus infection in Calcutta as compared to cholera infection. Deb BC. **Prog Drug Res** 19:490–502, 1975

Studies on Vibrio parahaemolyticus in Bombay. Saldanha FL, et al. **Prog Drug Res** 19:586–93, 1975

Vibrio parahaemolyticus and seafoods. Barrow GI, et al. **Soc Appl Bacteriol Symp Ser** 4:181–95, 1976 (45 ref.)

Morphological, cultural and biochemical characteristics of Vibrio parahaemolyticus, isolated in Romania from acute gastro-enteritis. Ciufecu C, et al. **Zentralbl Bakteriol [Orig A]** 234(2):212–8, Mar 76

[Editorial: Vibrio parahaemolyticus] Okitzky OL. **Harefuah** 89(6):265–7, 16 Sep 75 **(Heb)**

[Food poisoning by Vibrio parahaemolyticus] Iida H. **Hokkaido J Med Sci** 50(6):533–9, Nov 75 (21 ref.) **(Jpn)**

[Experimental study of the action of some physical and chemical factors on the survival and propagation of Vibrio parahaemolyticus in food products] Ermolina EP, et al. **Vopr Pitan** (5):74–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Problems of epidemiology of acute gastroenteritis caused by the parahemolytic vibrio] Malafeeva LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):8–14, Jul 75 (31 ref.) **(Rus)**

ANALYSIS

[Selective isolation of a CRP (cyclic AMP receptor protein)-defective mutant by growth suppression by cyclic AMP] Inouchi S, et al. **Jpn J Bacteriol** 30(1):136, Jan 75 **(Jpn)**

[Thermostable direct hemolysin of Vibrio parahaemolyticus. (VI) Its mechanism of action on FL cells] Sakurai J, et al. **Jpn J Bacteriol** 30(1):232, Jan 75 **(Jpn)**

CYTOLOGY

Effect of temperature, salts, pH, and other factors on the development of peritrichous flagella in Vibrio alginolyticus. Ulitzur S. **Arch Microbiol** 104(3):285–8, 28 Aug 75

DRUG EFFECTS

[Sensitivity of Vibrio parahaemolyticus to antibacterial preparations] Shikalov GM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):139–40, Jan 76 **(Rus)**

ENZYMOLOGY

Butandioldehydrogenase in Vibrio parahaemolyticus. Schröter G, et al. **Med Microbiol Immunol (Berl)** 162(2):133–6, 1 Jun 76

[The dehydrogenation of butandiol by 'vibrio parahaemolyticus' and other vibrios (author's transl)] d'Almeida AG, et al. **Ann Microbiol (Paris)** 127(3):455–8, Apr 76 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Relationships between heat resistance and phospholipid fatty acid composition of Vibrio parahaemolyticus. Beuchat LR, et al. **Appl Environ Microbiol** 31(3):389–94, Mar 76

Survey of media for the resuscitation of heat-stressed Vibrio parahaemolyticus. Beuchat LR. **J Appl Bacteriol** 40(1):53–60, Feb 76

IMMUNOLOGY

Demonstration of agglutinating antibodies against Vibrio parahaemolyticus in the yellow tail flounder (Limanda ferruginea). Ortiz JS, et al. **Health Lab Sci** 13(3):197–202, Jul 76

Ccharacterization of the temperature-dependent inactivating factor of the thermostable direct hemolysin in Vibrio parahaemolyticus. Takeda Y, et al. **Infect Immun** 12(3):449–54, Sep 75

Inactivation of the biological activities of the thermostable direct hemolysin of Vibrio parahaemolyticus by ganglioside Gt1. Takeda Y, et al. **Infect Immun** 14(1):1–5, Jul 76

Cytotoxicity of Vibrio parahaemolyticus in HeLa cell culture. Carruthers MM. **J Infect Dis** 132(5):555–60, Nov 75

[Antibody titers against the thermostable direct hemolysin in the sera of patients with Vibrio parahaemolyticus infection] Miwatani T, et al. **J Jpn Assoc Infect Dis** 50(2):46–51, Feb 76 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Incidence of Salmonella spp., Clostridium botulinum, and Vibrio parahaemolyticus in an estuary. Sayler GS, et al. **Appl Environ Microbiol** 31(5):723–30, May 76

Ecology and epidemiology of Vibrio parahaemolyticus on the coast of Togo. Bockemühl J, et al. **Bull WHO** 51(4):353–60, 1974

The isolation of Vibrio parahaemolyticus and related vibrios from moribund aquarium lobsters. Brinkley AW, et al. **Can J Microbiol** 22(2):315–7, Feb 76

Letter: Vibrio parahaemolyticus. Guthrie WW. **JAMA** 236(7):822, 16 Aug 76

Serotypes of Vibrio parahaemolyticus from clinical and environmental sources in Togo (West Africa). Bockmühl J, et al. **Jpn J Med Sci Biol** 28(4):215–21, Aug 75

Microbiological and other harzards from seafoods with special reference to Vibrio parahaemolyticus. Barrow GI. **Postgrad Med J** 50(588):612–9, Oct 74

Vibrio parahaemolyticus — a marine pathogen detected in South African coastal waters. Bubb HD. **S Afr Med J** 49(37):1514–6, 30 Aug 75

[Vibrio parahaemolyticus in mussels from the Rijeka harbor] Bezjak V, et al. **Lijec Vjesn** 97(2):78–82, Feb 75 (Eng. Abstr.) **(Cro)**

[Surveys on the occurrence of Vibrio parahaemolyticus on fish caught in the Southern Central Baltic Sea in comparison with other European results (author's transl)] Zaleski S, et al. **Zentralbl Bakteriol [Orig B]** 161(3):288–94, Dec 75 (Eng. Abstr.) **(Ger)**

[New antigenic type K strains of vibrio parahaemolyticus isolated from food poisoning patients in Kobe City] Terada T, et al. **Jpn J Bacteriol** 30(3):515–6, May 75 **(Jpn)**

[Distribution of Vibrio parahaemolyticus in various environmental objects] Grigor'ev IuI, et al. **Gig Sanit** (9):63–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Isolation of parahemolytic vibrions from persons with acute gastrointestinal diseases] Libinzon AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):25–9, Sep 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Cytotoxic effect of the thermostable direct hemolysin produced by Vibrio parahaemolyticus on FL cells. Sakurai J, et al. **Infect Immun** 13(3):876–83, Mar 76

Mutants defective in binding activity for cyclic adenosine 3',5'-monophosphate in Vibrio parahaemolyticus. Iuchi S, et al. **J Bacteriol** 124(1):567–9, Oct 75

[Production of enteropathogenic toxin by Vibrio parahaemolyticus and its thermostability. 2. Effects of heat on biological activity and immunological and physico-chemical properties of the toxin] Ota K. **J Jpn Assoc Infect Dis** 49(12):834–42, Dec 75 (Eng. Abstr.) **(Jpn)**

[Production of enteropathogenic toxin by Vibrio parahaemolyticus and its thermostability. 1. Quantitative analysis of the toxin and conditions for its production] Ota K. **J Jpn Assoc Infect Dis** 49(12):825–33, Dec 75 (Eng. Abstr.) **(Jpn)**

[Toxin produced by Vibrio parahaemolyticus with lethal effects in mice] Honda T, et al. **Jpn J Bacteriol** 30(1):233, Jan 75 **(Jpn)**

[Dynamics of ribosomes of Vibrio in the condition lacking salts] Morishita H, et al. **Jpn J Bacteriol** 30(1):127, Jan 75 **(Jpn)**

[Mechanism of Arrhenius' effect of hemolysin produced by Vibrio parahaemolyticus] Takeda Y, et al. **Jpn J Bacteriol** 30(1):238, Jan 75 **(Jpn)**

PATHOGENICITY

False-positive rabbit ileal loop reactions attributed to Vibrio parahaemolyticus broth filtrates. Johnson DE, et al. **J Infect Dis** 133(4):436–40, Apr 76

ULTRASTRUCTURE

[Flagella of enteritis-causing Vibrio (V). Conditions necessary for growth of the flagella] Shinoda S, et al. **Jpn J Bacteriol** 30(1):93, Jan 75 **(Jpn)**

VIBRIONACEAE

Plesiomonas shigelloides. Survey and possible association with diarrhoea in Zaïre. Vandepitte J, et al. **Ann Soc Belg Med Trop** 54(6):503–13, 1974

Physiology and ecology of bacteriophages of the marine bacterium Beneckea natriegens: salinity. Zachary A. **Appl Environ Microbiol** 31(3):415–22, Mar 76

[Bactericidal activity of sea water and its microvibrio content] Guélin A. **C R Acad Sci [D] (Paris)** 282(4):397–400, 26 Jan 76 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Nutrition and taxonomy of 'enterobacteriaceae' and related bacteria. III. Nutritional characters and differentiation of the taxonomic groups (author's transl)] Véron M, et al. **Ann Microbiol (Paris)** 126(2):125–47, Sep 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Viscometric assay of bacterial alginase. Stevens RA, et al. **Appl Environ Microbiol** 31(6):896–9, Jun 76

Fluorescence and bioluminescence of bacterial luciferase intermediates. Balny C, et al. **Biochemistry** 14(21):4719–23, 21 Oct 75

[Medium for determining the decarboxylase activity of vibnions] Riapis IV, et al. **Lab Delo** (9):558–60, 1975 **(Rus)**

GROWTH & DEVELOPMENT

Molar growth yields, respiration and cytochrome patterns of Beneckea natriegens when grown at different medium dissolved-oxygen tensions. Linton JD, et al. **J Gen Microbiol** 90(2):237–46, Oct 75

METABOLISM

The effect of rate of respiration on sensitivity to cyanide and carbon monoxide in Beneckea natriegens grown in batch and continuous culture. Linton JD, et al. **FEBS Lett** 64(2):358–63, 1 May 76

[Nutrition and taxonomy of 'enterobacteriaceae' and related bacteria. II. General results and classification (author's transl)] Véron M, et al. **Ann Microbiol (Paris)** 126(2):111–24, Sep 75 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Lipid-phase transitions of the strictly anaerobic bacteria Veillonella parvula and Anaerovibrio lipolytica. Verkley AJ, et al. **J Bacteriol** 124(3):1522–8, Dec 75

VIBROCARDIOGRAPHY see **KINETOCARDIOGRAPHY**

VIDEOTAPE RECORDING

Videodensitometry in the diagnosis of aortic incompetence. Erikson U, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):361–8, May 76

The effects of video tape, and of situational and generalized locus of control, upon hypnotic susceptibility. Bean BW, et al. **Am J Clin Hypn** 18(1):28–33, Jul 75

Improving student understanding and management of patients through role-playing and video taping. Levine NR. **Am J Optom Physiol Opt** 53(2):95–9, Feb 76

Proceedings: Videoanalysis for quantitative vital microscopy. Hauck G. **Arzneim Forsch** 25(6):987, Jun 75

Video tape demonstration of blood flow in human nailfold capillaries of normal subjects and patients with vascular diseases. Bollinger A, et al. **Bibl Anat** 13:243, 1975

The use of television in studying postural operative positions. Jeffrey IW, et al. **Br Dent J** 139(5):193–5, 2 Sep 75

Captured for consideration—using videotape as an aid to the treatment of the disturbed child. Evans R, et al. **Child Care Health Dev** 2(3):129–37, May–Jun 76

Evaluation of televised anticipatory guidance to primiparae. Broussard ER. **Community Ment Health J** 12(2):203–10, Summer 76

A comparison of live and videorecord viewing of infant behavior under sound stimulation. II. Six-week-old infants. Bench J, et al. **Dev Psychobiol** 8(4):347–53, Jul 75

A comparison of live and videorecord viewing of infant behavior under sound stimulation. III. Six-month-old babies. Bench J, et al. **Dev Psychobiol** 9(3):297–303, May 76

Identifying people in a videotape recording made at night. Simmonds DC, et al. **Ergonomics** 18(6):607–18, Nov 75

Electrical recording and reproduction of ultrasono-tomograms using a VTR. Ide M, et al. **IEEE Trans Biomed Eng** 22(4):340–6, Jul 75

A system for high speed scanning of electrocardiographic tapes based on sequences of computer generated static TV pictures. pp. 3–6. Gymoese E, et al. **In: Computers in cardiology. Long Beach, Calif., IEEE Computer Society, 1975. WG 141 C736 1975.**

The effects of videotaped modeling and self-confrontation on the drinking behavior of alcoholics. Baker TB, et al. **Int J Addict** 10(5):779–93, 1975

Velocity of left ventricular wall motion determined by fluoroscopic videodensitometry. A noninvasive method for evaluating myocardial contractile state. Higgins CB, et al. **Invest Radiol** 11(1):24–31, Jan–Feb 76

Misusing a valuable educational medium. Charles J. **J Biocommun** 2(2):2–4, Jul 75

Medical education in isolated areas by cycling videocassettes. Martel CR. **J Biocommun** 2(2):5–8, Jul 75

Comparison of motion-picture and videotape production. Hartzer JR. **J Biol Photogr Assoc** 43(4):165–7, Oct 75

Use of videotaped models to improve the interpersonal adjustment to delinquents. Thelen MH, et al. **J Consult Clin Psychol** 44(3):492, Jun 76

Radiology self-teaching video-tape programs (RSVP) in a diagnostic radiology course. Berry HM Jr, et al. **J Dent Educ** 40(3):147–9, Mar 76

A method for programming video-cassette courseware. Brusch WA. **J Dent Educ** 39(10):679–82, Oct 75

X-ray video-tape studies of laryngectomized patients. Bentzen M, et al. **J Laryngol Otol** 90(7):655–66, Jul 76

The use of programmed patients and videotape in teaching medical students to take a sexual history. Engel IM, et al. **J Med Educ** 51(5):425–7, May 76

Comparison of the psychiatry learning system and traditional teaching of psychiatry. Randels PM, et al. **J Med Educ** 51(09):751–7, Sep 76

Content evaluation and development of videotapes demonstrating regional anesthesia motor skills. Warwick PM, et al. **J Med Educ** 50(10):984–6, Oct 75

Letter: Judging clinical competence and videotape techniques. Simpson MA. **Lancet** 2(7883):778, 28 Sep 74

Use of a video-cassette recorder for the assessment of teaching effectiveness. Hudson RJ, et al. **Med Biol Illus** 24(4):191–3, Nov 74

Film or television? Koch H. **Nurs Outlook** 23(8):489, Aug 75

The media center: Autotutorial instruction. Koch HB. **Nurs Outlook** 23(10):619, Oct 75

Further comparison of video tape and face-to-face interviewing. Waters TJ. **Percept Mot Skills** 41(3):743–6, Dec 75

'Teletherapy': or how to use videotape feedback to enhance group process. Brooks DD. **Perspect Psychiatr Care** 14(2):83–7, Apr–Jun 76

The use of time lapse video recording of sleep-wake behavior in human infants. Anders TF, et al. **Psychophysiology** 13(2):155–8, Mar 76

Pulmonary videodensitometry in the diagnosis of carcinoma of the lung. Reinke RT, et al. **Radiology** 118(3):521–5, Mar 76

Changing nurse attitudes toward quadriplegics through use of television. Sadlick M, et al. **Rehabil Lit** 36(9):274–8, 288, Sep 75

Dynamic alveolar mechanics as studied by videomicroscopy. Daly BD, et al. **Respir Physiol** 24(2):217–32, Jul 75

[Studies with a behavior-oriented evaluation scale for depressive inhibition and agitation. Results of a video-documented amitriptyline-mianserine study] Ulrich G, et al. **Arzneim Forsch** 26(6):1117–9, 1976 (Eng. Abstr.) **(Ger)**

[The use of videotape recordings in behavior therapy in children (author's transl)] Dornette W, et al. **Munch Med Wochenschr** 117(47):1887–92, 21 Nov 75 (Eng. Abstr.) **(Ger)**

[Simultaneous evaluation of echocardiographic and hemodynamic values of the heart using a videometric device and a digital computer] Krebs W, et al. **Verh Dtsch Ges Kreislaufforsch** 41:355–6, 1975 **(Ger)**

[Video-tape in television biomicroscopy] Chernukh AM, et al. **Patol Fiziol Eksp Ter** (2):78–80, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[About the application of a new audio video color cartridge system in ophthalmology (author's transl)] Stiegler G. **Klin Monatsbl Augenheilkd** 167(5):756–7, Nov 75 (Eng. Abstr.) **(Ger)**

[Use of Soviet-made videotape recorder in ophthalmology] Lebekhov PI, et al. **Vestn Oftalmol** (6):74–6, Nov–Dec 75 **(Rus)**

METHODS

Videodensitometric determination of left ventricular ejection and filling characteristics. Bürsch JH, et al. **Ann Biomed Eng** 3(1):62–71, Mar 75

Capillary red blood cell velocity measurements in human nailfold by videodensitometric method. Butti P, et al. **Bibl Anat** 13:244–5, 1975

The media center. Preparing a teleclass: a case study. **Nurs Outlook** 23(11):681, Nov 75

Measurement of total and regional renal blood flow by means of a videodensitrometric method. Erikson U, et al. **Scand J Urol Nephrol** (29 Suppl):101–3, 6–7 Mar 75

[Value of radiological videotape recording in peroperative biliary radiography] Lardennois B, et al. **Med Chir Dig** 4(5–6):309–14, 1975 **(Fre)**

VILLAGE HEALTH WORKER see **COMMUNITY HEALTH AIDES**

VIMINOL see under **ETHANOLAMINES**

VINBLASTINE

Some features of the vinblastine-induced assembly of porcine tubulin. Ventilla M, et al. **Arch Biochem Biophys** 171(1):154–62, Nov 75

13C-NMR. Spectroscopy of naturally occurring substances. XXXII. Vincaleucoblastine and related alkaloids. Wenkert E, et al. **Helv Chim Acta** 58(6):1560–7, 24 Sep 75

Letter: Absolute stereochemistry of the bisindole alkaloids of the vinblastine type. Circular dichroism studies. Kutney JP, et al. **J Am Chem Soc** 97(17):5013–5, 20 Aug 75

Interaction of Vinblastine with Calf Brain Microtubule protein. Lee JC, et al. **J Biol Chem** 250(24):9276–82, 25 Dec 75

ADMINISTRATION & DOSAGE

Use of synchronization induced by cyclophosphamide in a methylcholanthrene sarcoma with circadian proliferation to rational sequential chemotherapy. Focan C, et al. **Biomedicine [Express]** 23(6):230–5, 30 Jun 75

[Zitostop in cyclical treatment of malignant lymphoma in combination with vinblastine, natulan and prednisone] Polubiec A. **Wiad Lek** 29(6):477–81, 15 Mar 76 (Eng. Abstr.) **(Pol)**

[Chemotherapy of generalized forms of lymphogranulomatosis with vinblastine and vincristine] Danova LA. **Vopr Onkol** 21(7):43–8, 1975 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Photosensitivity reaction to vinblastine. Breza TS, et al. **Arch Dermatol** 111(9):1168–70, Sep 75

ANALOGS & DERIVATIVES

Action of the vinca alkaloids vincristine, vinblastine, and desacetyl vinblastine amide on microtubules in vitro. Himes RH, et al. **Cancer Res** 36(10):3798–802, Oct 76

Toxicology of vindesine (desacetyl vinblastine amide) in mice, rats, and dogs. Todd GC, et al. **J Toxicol Environ Health** 1(5):843–50, May 76

METABOLISM

The mechanism of action of vinblastine. Binding of [acetyl-3H]vinblastine to embryonic chick brain tubulin and tubulin from sea urchin sperm tail outer doublet microtubules. Wilson L, et al. **Biochemistry** 14(26):5586–92, 30 Dec 75

Vinca alkaloids XXXIII [1]. Microbiological conversions of vincaleukoblastine (VLB, vinblastine), an antitumor alkaloid from Vinca rosea. Linn. Neuss N, et al. **Helv Chim Acta** 57(6):1886–90, 1974

The cell-free synthesis of alkaloid-binding proteins in immature rat brain. Raeburn S, et al. **J Neurochem** 27(1):151–60, Jul 76

Biochemical and immunological characterization of alkaloid-binding proteins from immature rat brain. Twomey SL, et al. **J Neurochem** 27(1):161–4, Jul 76

Tubulin aggregation and disaggregation: mediation by two distinct vinblastine-binding sites. Bhattacharyya B, et al. **Proc Natl Acad Sci USA** 73(7):2375–8, Jul 76

PHARMACODYNAMICS

Effects of colchicine and vinblastine on axonal transport of choline acetyltransferase in rat sciatic nerve. Dziegielewska KM, et al. **Acta Physiol Scand** 96(4):486–94, Apr 76

The effect of local application of vinblastine or cholchinine on acetylcholine accumulation in rat sciatic nerve. Heiwall PO, et al. **Acta Physiol Scand** 96(4):478–85, Apr 76

Inhibition of induced pinocytosis in Amoeba proteus by membrane stabilizing drugs. Josefsson JO, et al. **Acta Physiol Scand** 95(3):270–85, NOV 75

Vinblastine-induced microtubular paracrystals in prolactin cells of anterior pituitary gland of lactating rats. Shiino M, et al. **Am J Anat** 144(3):399–405, Nov 75

Response of tanycytes of rat median eminence to intraventricular administration of colchicine and vinblastine. Schechter J, et al. **Anat Rec** 184(2):233–49, Feb 76

The effect of vinblastine sulfate on rat spermatogenesis. Bustos-Obregon E, et al. **Arch Biol (Liege)** 85(3):353–64, 1974

Studies on the regulation of ornithine decarboxylase activity by the microtubules: the effect of colchicine and vinblastine. Chen K, et al. **Biochem Biophys Res Commun** 68(2):401–8, 26 Jan 76

Antimicrotubular agents inhibit the degradation of chyle cholesterol ester in vivo. Nilsson A. **Biochem Biophys Res Commun** 66(1):60–6, 2 Sep 75

Action of the vinca alkaloids vincristine, vinblastine, and desacetyl vinblastine amide on microtubules in vitro. Himes RH, et al. **Cancer Res** 36(10):3798–802, Oct 76

Dynamic properties of axonal transport of proteins and glycoproteins: a study based on the effects of metaphase blocking drugs in the developing optic pathway of chick embryos. Gremo F, et al. **Cell Tissue Res** 161(3):303–16, 25 Aug 75

An ultrastructural examination of the action of vinblastine on microtubules, neurofilaments and muscle filaments in vitro. Tomlinson DR, et al. **Cell Tissue Res** 166(3):413–20, 25 Feb 76

Attachment of ribosomes to endoplasmic membranes in mouse pancreas. Degranulation in vivo caused by the inducers of autophagocytosis neutral red, vinblastine, puromycin, and cadmium ions, and prevention by cycloheximide. Réz G, et al. **Chem Biol Interact** 13(1):77–87, Apr 76

Effect of vinblastine in vivo on ultrastructure and insulin releasing capacity of the B-cell following sulphonylurea and isopropyl-noradrenaline. Ericson LE, et al. **Diabetologia** 11(5):467–73, Oct 75

In vitro studies on the nature of vinblastine inhibition of thyroid secretion. Williams JA. **Endocrinology** 98(6):1351–8, Jun 76

The effect of vinblastine, colchicine and hexylene glycol on migration of human monocytes. Crispe IN. **Exp Cell Res** 100(2):443–7, Jul 76

Effect of vinblastine sulfate, colchicine and lumicolchicine on membrane organization of normal and transformed cells. Furcht LT, et al. **Exp Cell Res** 96(2):271–82, Dec 75

Dissociation of the mitotic spindle in oocytes exposed to grisofulvin and vinblastine. Malawista SE, et al. **Exp Cell Res** 99(1):192–7, Apr 76

Influence of colchicine and vinblastine on the golgi complex and matrix deposition in chondrocyte aggregates. An ultrastructural study. Moskalewski S, et al. **Exp Cell Res** 95(2):440–54, 15 Oct 75

Reversible inhibition of cAMP-induced axon formation in neuroblastoma cells by concanavalin A and vinblastine. Relationship to microtubules and cytotoxicity. Simantov R, et al. **Exp Cell Res** 95(2):327–32, 15 Oct 75

Effect of vinblastine on neural regulation of metabolism in rat skeletal muscle. Kauffman FC, et al. **Exp Neurol** 50(1):60–6, Jan 76

Discussion paper on inhibition of secretory processes in the rat exocrine pancreatic cell by microtubule inhibitors. pp. 79–84. Kern HF, et al. **In: Case RM, Goebell H, ed. Stimulus-secretion coupling in the gastrointestinal tract. Baltimore, Univ Park Press, 1976. WI 102 S859 1975.**

Effect of irradiation & vinblastine administration on free alpha-amino nitrogen changes in plasma, erythrocyte & leucocyte. Lal H, et al. **Indian J Exp Biol** 13(1):71–3, Jan 75

Two ultrastructurally distinct tubulin paracrystals induced in sea-urchin eggs by vinblastine sulphate. Starling D. **J Cell Sci** 20(1):79–89, Jan 76

Colchicine-sensitive structures and lymphocyte activation. Greene WC, et al. **J Immunol** 117(3):1015–22, Sep 76

The effect of colchicine and vinblastine on the release of pulmonary surface active material. Delahunty TJ, et al. **J Lipid Res** 17(2):112–6, Mar 76

Vinblastine: influence on nerve conduction and synaptic transmission. Felder M. **J Neurosci Res** 1(2):121–9, 1975

Drugs that disrupt microtubuli do not inhibit lymphocyte activation. Betel I, et al. **Nature** 261(5558):318–9, 27 May 76

Selective noradrenergic denervation of the heart following intravenous injections of vinblastine or vincristine. Bennett T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(2):175–82, May 76

Different sensitivity to cytostatic drugs of primary tumor and metastasis of the Lewis carcinoma. Tropé C. **Neoplasma** 22(2):171–80, 1975

Demecolcin and vinblastine sulphate as stathmokinetic agents for different tissues of the hairless mouse. Nome O. **Pathol Eur** 10(3):221–31, 1975

The effect of antimicrotubule agents on the growth and ultrastructure of the fungus Saprolegnia ferax and their ineffectiveness in disrupting hyphal microtubules. Heath IB. **Protoplasma** 85(2–4):147–76, 1975

Vinblastine-induced ultrastructural changes in perisinusoidal cells of the rat liver. Kovacs K, et al. **Res Exp Med (Berl)** 165(3):245–9, 24 Sep 75

Inhibition of pancreatic exocrine secretion by vinblastine.

Nevalainen TJ. **Res Exp Med (Berl)** 165(2):163–8, 14 Jul 75

[Effects of colchicine, vinblastine and mercury p-hydroxybenzoate on the multiplication of adenovirus 5 in HeLa cells] Chardonnet Y, et al. **Biomedicine** 24(1):57–61, Jan 76 (Eng. Abstr.) **(Fre)**

[Mechanism of the blocking of the centrosphere by substances similar to quinoline. Its prevention with spindle inhibitors similar to colchicine] Sentein P, et al. **Bull Assoc Anat (Nancy)** 59(165):505–22, Jun 75 (Eng. Abstr.) **(Fre)**

[Modes of appearance of giant spontaneous potentials induced by vinblastine on the isolated preparation of frog muscle] Pécot-Dechavassine M, et al. **C R Acad Sci [D] (Paris)** 280(3):303–6, 20 Jan 75 (Eng. Abstr.) **(Fre)**

[Structural changes in motor endplates in frog muscle treated with vinblastine] Pécot-Dechavassine M, et al. **C R Acad Sci [D] (Paris)** 280(9):1099–101, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Effects of vinblastine on the morphogenesis of the chick embryo limb. Histological aspects] Kieny M. **J Embryol Exp Morphol** 34(3):609–32, Dec 75 (Eng. Abstr.) **(Fre)**

[Influence of some cytostatic drugs on semiconservative DNA-synthesis and DNA-repair in normal and cancer cells (author's transl)] Klein W, et al. **Arzneim Forsch** 25(10):1623–28, Oct 75 (Eng. Abstr.) **(Ger)**

[Effects of vinblastine on nerve fiber and skeletal muscle fiber] Camerino-Conte D, et al. **Boll Soc Ital Biol Sper** 51(19):1321–7, 15 Oct 75 **(Ita)**

[Circadian variations in the response of corneal epithelial cells in mice to the effects of vinblastine] Semenova NF. **Biull Eksp Biol Med** 80(11):94–6, Nov 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Letter: Chemotherapy for Kaposi sarcoma. Dantzig PI. **Arch Dermatol** 112(8):1179, Aug 76

Treatment of Kaposi sarcoma with vinblastine. Tucker SB, et al. **Arch Dermatol** 112(7):958–61, Jul 76

Chemotherapy of advanced breast cancer: a controlled randomized trial of cyclophosphamide versus a four-drug combination. Rubens RD, et al. **Br J Cancer** 32(6):730–6, Dec 75

Combinaed chemotherapy with cyclophosphamide, vinblastine, procarbazine, and prednisone (CVPP) for patients with advanced Hodgkin's disease. An alternative program to MOPP. Bloomfield CD, et al. **Cancer** 38(1):42–8, Jul 76

Bleomycin combination chemotherapy in the management of testicular neoplasia. Samuels ML, et al. **Cancer** 36(2):318–26, Aug 75

Chemotherapy of germ cell tumors of the testis. I. Induction of remissions with vinblastine, actinomycin D, and bleomycin. Wittes RE, et al. **Cancer** 37(2):637–45, Feb 76

Treatment of malignant melanoma with vinblastine (NSC-49842), procarbazine (NSC-77213), and actinomycin D (NSC-3053). Perlin E, et al. **Cancer Chemother Rep** 59(4):767–8, Jul-Aug 75

Continuous intravenous bleomycin (NSC-125066) therapy with vinblastine (NSC-49842) in stage III testicular neoplasia. Samuels ML, et al. **Cancer Chemother Rep** 59(3):563–70, May-Jun 75

Ultrastructural changes induced by vinblastine in cutaneous lesions of histiocytosis X. Caputo R, et al. **Int J Dermatol** 14(8):579–85, Oct 75

Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas. Hoshino T, et al. **J Neurosurg** 43(2):127–35, Aug 75

A randomized pilot study comparing two regimens in the treatment of squamous cell carcinoma. Moseley HS, et al. **J Surg Oncol** 8(1):35–42, 1976

[Treatment of monocytic blast leukosis with vinblastine] Tomov K, et al. **Vutr Boles** 14(6):56–8, 1975 (Eng. Abstr.) **(Bul)**

[Polychemotherapy in generalized form of Hodgkin's disease] van Hove W, et al. **Acta Clin Belg** 30(4):277–82, 1975 (Eng. Abstr.) **(Dut)**

[Polychemotherapy without prednisone in Hodgkin's disease] Longueville J, et al. **Acta Clin Belg** 30(4):283–9, 1975 (Eng. Abstr.) **(Fre)**

[Controlled therapeutic trial of combined radiotherapy-chemotherapy in Hodgkin's disease] Tubiana M, et al. **Bull Cancer (Paris)** 61(2):245–55, Apr-Jun 74 **(Fre)**

[Recruitment and synchronization chemotherapy in the treatment of bronchial cancer] Lachapelle F, et al. **Rev Med Liege** 30(8):267–71, 15 Apr 75 **(Fre)**

[The combined treatment of bronchial carcinoma (author's transl)] Pridun N, et al. **Munch Med Wochenschr** 117(31):1273–8, 1 Aug 75 (Eng. Abstr.) **(Ger)**

[Treatment of generalized form of histiocytosis X in children with vinblastine and prednisone] Perek D. **Pediatr Pol** 50(12):1461–8, Dec 75 (Eng. Abstr.) **(Pol)**

[Histiocytosis X. Three cases treated with prednisone and vinblastine (author's transl)] Escobar H, et al. **An Esp Pediatr** 9(4 Suppl):100–3, Jun 76 (Eng. Abstr.) **(Spa)**

TOXICITY

Phenobarbital and SKF-525A on vinblastine and vincristine toxicity in mice. Fitzgerald TJ. **Experientia** 32(5):619–20, 15 May 76

VINCA ALKALOIDS

13C-NMR. Spectroscopy of naturally occurring substances. XXXII. Vincaleucoblastine and related alkaloids. Wenkert E, et al. **Helv Chim Acta** 58(6):1560–7, 24 Sep 75

Letter: Absolute stereochemistry of the bisindole alkaloids of the vinblastine type. Circular dichroism studies. Kutney JP, et al. **J Am Chem Soc** 97(17):5013–5, 20 Aug 75

Alkaloids of Vinca rosea L. (Catharanthus roseus G. Don) XXXVI: Isolation and characterization of new dimeric alkaloids. Tafur S, et al. **J Pharm Sci** 64(12):1953–7, Dec 75

CHEMICAL SYNTHESIS

Total synthesis of indole and dihydroindole alkaloids. VI. The total synthesis of some monomeric vinca alkaloids: dl-vincadine, dl-vincaminoreine, dl-vincaminorine, dl-vincadifformine, dl-minovine and dl-vincaminoridine. Kutney JP, et al. **Helv Chim Acta** 58(6):1648–71, 24 Sep 75

Total synthesis of indole and dihydroindole alkaloids. VIII. Studies on the synthesis of bisindole alkaloids in the vinblastine-vincristine series. The chloroindolenine approach. Kutney JP, et al. **Helv Chim Acta** 58(6):1690–719, 24 Sep 75

[Stereoselective synthesis of optically active vincamine] Pfäffli P, et al. **Helv Chim Acta** 58(4):1131–45, 4 Jun 75 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Alkaloids of Vinca rosea L. (Catharanthus roseus G. Don). XXXVII. Structure of vincathicine. Tafur SS, et al. **J Org Chem** 41(6):1001–5, 19 Mar 76

Monoterpenoid alkaloid from Vinca major. Chatterjee A, et al. **Planta Med** 28(2):109–11, Oct 75

[Isolation of vincamayin from the herbaceous periwinkle] Aliev AM, et al. **Farmatsiia** 25(3):30–2, Mar-Jun 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Vince alkaloids XXXIV). Preparation of des-Na-methyl-vindoline by microbiological conversion of vindoline, a major alkaloid from Vinca rosea L. Neuss N, et al. **Helv Chim Acta** 57(6):1891–3, 1974

PHARMACODYNAMICS

Effects of vinca alkaloids on uptakes of amino acids by rat brain synaptosomes. Peterson NA, et al. **Biochem Pharmacol** 25(12):1389–95, 15 Jun 76

Inhibition of tubulin-microtubule polymerization by drugs of the Vinca alkaloid class. Owellen RJ, et al. **Cancer Res** 36(4):1499–502, Apr 76

Inhibition of human platelet aggregation by vincamine. pp. 393–6. Iatridis SG, et al. **In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.**

Action of drugs on microtubules. Wilson L. **Life Sci** 17(3):303–9, 1 Aug 75 (78 ref.)

The in vitro and in vivo effects of vinca alkaloids on the noradrenergic innervation of the vas deferens. Gardiner SM, et al. **Med Biol** 54(3):193–202, Jun 76

[Vincamine effects on cultured chicken fibroblasts in vitro] De Paermentier F, et al. **C R Soc Biol (Paris)** 168(10-11-12):1454–6, 1974 (Eng. Abstr.) **(Fre)**

[Changes in cerebral electrogenesis caused by vincamine in the baboon, Papio papio] Arfel G, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(1):53–67, Jan-Mar 74 (Eng. Abstr.) **(Fre)**

[Gastrokinetic effect of Vincamine] Spina G, et al. **Farmaco [Prat]** 30(10):512–22, Oct 75 (Eng. Abstr.) **(Ita)**

[The cell-killing kinetics of antimetabolites and Vinca alkaloids against in vitro cultured Yoshida ascites sarcoma cells (author's transl)] Shimoyama M. **J Jpn Soc Cancer Ther** 10(2):202–8, 20 Jun 75 (Eng. Abstr.) **(Jpn)**

[The quantative measurement of cytocidal actions of antimetabolites, Vinca alcaloids and L-asparaginase against in vitro cultured Yoshida ascites sarcoma cells] Shimoyaya M. **J Jpn Soc Cancer Ther** 10(2):195–201, 20 Jun 75 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Delayed-action pervincamine forte in circulatory disorders of the posterior segment of the eye] Bregeat P, et al. **Rev Otoneuroophtalmol** 47(5):353–8, Oct-Dec 75 **(Fre)**

[Pervincamine in the treatment of the cerebrovascular syndrome in the geröntopsychiatric patients] Fidetzis K, et al. **Med Welt** 27(29):1412–4, 16 Jul 76 **(Ger)**

[Psychoactive effect of vincamine in a group of subjects affected by recurrent depressive syndrome. Preliminary note] Crispi G, et al. **Minerva Med** 66(70):3683–5, 20 Oct 75 (Eng. Abstr.) **(Ita)**

[Serial angiographic and clinical evaluation of the effects of vicamine in cerebrovascular insufficiency] Elefante R, et al. **Minerva Med** 66(64):3322–36, 29 Sep 75 **(Ita)**

[Vincamine in patients with cerebral vascular insufficiency] Novis SP, et al. **Arq Neuropsiquiatr** 33(1):25–32, Mar 75 (Eng. Abstr.) **(Por)**

VINCALEUKOBLASTINE see **VINBLASTINE**

VINCENT'S INFECTION see **GINGIVITIS, NECROTIZING ULCERATIVE**

VINCRISTINE

Effects of vincristine on normal and stimulated megakaryocytopoiesis in the rat. Ebbe S, et al. **Br J Haematol** 29(4):593–603, Apr 75

Letter: Absolute stereochemistry of the bisindole alkaloids of the vinblastine type. Circular dichroism studies. Kutney JP, et al. **J Am Chem Soc** 97(17):5013–5, 20 Aug 75

Axonal transport disturbances in the vincristine-induced peripheral neuropathy. Green LS, et al. **Trans Am Neurol Assoc** 100:195–6, 1975

ADMINISTRATION & DOSAGE

Combination chemotherapy with vincristine, cyclophosphamide, and prednisone producing long-term remission of a transplanted canine lymphoma. Cohen H, et al. **Am J Vet Res** 36(10):1483–7, Oct 75

Combination chemotherapy of the malignant lymphomas: a controlled clinical trial. Lenhard RE Jr, et al. **Cancer** 38(3):1052–9, Sep 76

Methyl-CCNU, alone and in combination with vincristine, or vincristine and methotrexate, in advanced bronchogenic carcinoma. Richards F 2d, et al. **Cancer** 38(3):1077–82, Sep 76

Malignant histiocytosis: complete remission with combination chemotherapy. Stein RS, et al. **Cancer** 38(3):1083–6, Sep 76

Alternating administration of adriamycin (NSC-123127) and vincristine (NSC-67574)-actinomycin D (NSC-3053) in advanced sarcomas. Douglass HO Jr, et al. **Cancer Chemother Rep** 59(5):1045–7, Sep-Oct 75

Combination chemotherapy of Hodgkin disease in children. Kolygin BA, et al. **Neoplasma** 22(2):225–30, 1975

Proceedings: Multiple drug combination chemotherapy in solid tumours in childhood. Barter DAC. **Scott Med J** 20(4):184–5, Jul 75

[Cyclical chemotherapy of myeloma with cell synchronization: therapeutic trial. Apropos of 13 cases] Roux H, et al. **Rev Rhum Mal Osteoartic** 43(2):113–6, Feb 76 (Eng. Abstr.) **(Fre)**

[Deoxyribonuclease activity pattern in cells of PAS-positive, acute lymphatic leukoses. Observations prior to, during and following completion of massive-dose therapy] Beck JD, et al. **Verh Dtsch Ges Inn Med** 81:1092–3, 1975 **(Ger)**

[Chemotherapy with cytosine arabinoside, daunomycin and vincristine in refractory leukemia of childhood (author's transl)] Akatsuka J, et al. **Jpn J Clin Hematol** 16(10):931–5, Oct 75 (Eng. Abstr.) **(Jpn)**

[Quadruple combination chemotherapy of acute leukemia using daunomycin, cytosine arabinoside, vincristine and prednisolone (author's transl)] Yamaguchi H, et al. **Jpn J Clin Hematol** 16(6):589–98, Jun 75 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of generalized forms of lymphogranulomatosis with vinblastine and vincristine] Danova LA. **Vopr Onkol** 21(7):43–8, 1975 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Optic neuropathy presumably caused by vincristine therapy. Sanderson PA, et al. **Am J Ophthalmol** 81(2):146–50, Feb 76

Platelet dysfunction in vincristine treated patients. Steinherz PG, et al. **Br J Haematol** 32(3):439–50, Mar 76

Vincristine-induced myocardial infarction. Mandel EM, et al. **Cancer** 36(6):1979–82, Dec 75

Letter: Myocardial infarction: a complication of vincristine treatment? Somers G, et al. **Lancet** 02(7987):690, 25 Sep 76

Letter: Exacerbation of myotonia dystrophica by vincristine. Michalak JC, et al. **N Engl J Med** 295(5):283, 29 Jul 76

Mononeuropathy due to vincristine toxicity. Levitt LP, et al. **Neurology (Minneap)** 25(9):894–5, Sep 75

Retinal and optic nerve atrophy induced by intravitreous vincristine in the primate. Green WR. **Trans Am Ophthalmol Soc** 73:389–416, 1976

[Electroencephalographic aspects of central complications of treatment with vincristine] Amand G, et al. **Rev Electroencephalogr Neurophysiol Clin** 4(3):479–83, Jul-Sep 74 **(Fre)**

[Clinical and histo-pathological aspects of neuro-toxicity of vincristine in the child] Morrone G. **Pediatria (Napoli)** 83(3):626–32, 30 Sep 75 **(Ita)**

[Description of a case of acute neurological toxicity after DTIC-adriamycin-vincristine therapy (author's transl)] Rosso R, et al. **Tumori** 61(3):313–4, May-Jun 75 (Eng. Abstr.) **(Ita)**

[Neurotoxicity of vincristine] Cáp J, et al. **Cesk Pediatr** 30(11):565–6, Nov 75 (Eng. Abstr.) **(Slo)**

METABOLISM

Distribution and excretion of (3H)vincristine in the rat and the dog. Castle MC, et al. **Cancer Res** 36(10):3684–9, Oct 76

PHARMACODYNAMICS

The influence of selected cytostatics on human trophoblast in vitro. Jankowski R, et al. **Ann Med Sect Pol Acad Sci** 20(4):223–41, 1975

Exchangeable intracellular methotrexate levels in the

presence and absence of vincristine at extracellular drug concentrations relevant to those achieved in high-dose methotrexate-folinic acid 'rescue' protocols. Goldman ID, et al. **Cancer Res** 36(1):276-9, Jan 76

Action of the vinca alkaloids vincristine, vinblastine, and desacetyl vinblastine amide on microtubules in vitro. Himes RH, et al. **Cancer Res** 36(10):3798-802, Oct 76

Effect of vincristine on sister chromatid exchanges of normal human lymphocytes. Stoll C, et al. **Cancer Res** 36(8):2710-3, Aug 76

Studies on the transport of secretory granules in the magnocellular hypothalamic neurons of the rat. II. Action of vincristine on axonal flow and neurotubules in the paraventricular and supraoptic nuclei. Flament-Durand J, et al. **Cell Tissue Res** 164(1):1-9, 26 Nov 75

Renin release by rat kidney slices incubated in vitro. Role of sodium and of alpha- and beta-adrenergic receptors, and effect of vincristine. Capponi AM, et al. **Circ Res** 39(2):200-3, Aug 76

Centriolo- and ciliogenesis in the rat's pituicytes under the influence of micrtubule poisons in vitro. Flament-Durand J, et al. **Exp Cell Res** 99(2):435-8, May 76

Intestinal absorption of glucose immediately after vincristin administration in rats. Ecknauer R. **Experientia** 32(6):709-11, 15 Jun 76

A reduction in energy-dependent amino acid transport by microtubular inhibitors in Ehrlich ascites tumor cells. Fyfe MJ, et al. **J Cell Physiol** 86(2 Pt 1):201-11, Oct 75

Mechanisms of secretion: effects of colchicine and vincristine on composition and flow of milk in the goat. Patton S. **J Dairy Sci** 59(8):1414-9, Aug 76

Selective noradrenergic denervation of the heart following intravenous injections of vinblastine or vincristine. Bennett T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 293(2):175-82, May 76

67Ga citrate distribution following whole-body irradiation or chemotherapy. Fletcher JW, et al. **Radiology** 117(3 Pt 1):709-12, Dec 75

Effect of combined cancer therapy on the intact liver. Grosfield JL, et al. **Surg Forum** 26:426-8, 1975

Proceedings: Effect of methotrexate and vincristine on rat bone marrow megakaryocytes and platelet function. Jerushalmy Z, et al. **Thromb Diath Haemorrh** 34(1):336, 30 Sep 75

[Modification by vincristine action of the appearance of miniature potentials in the frog neuromuscular junction] Hort-Legrand C, et al. **C R Acad Sci [D] (Paris)** 282(9):933-6, 1 Mar 76 (Eng. Abstr.) **(Fre)**

[A histological and electron microscopic study of the rabbit retina after application of vincristin (author's transl)] Koniszewski G, et al.
Albrecht von Graefes Arch Klin Ophthalmol 199(2):147-56, 14 Apr 76 (Eng. Abstr.) **(Ger)**

[The effect of cytostatic therapy with vincristin sulphate on disaccarchidases of rat intestinal mucosa (author's transl)] Hartwich G, et al. **Arzneim Forsch** 26(1):58-62, 1976 (Eng. Abstr.) **(Ger)**

[Disaccharidases of the intestinal mucosa of the rat after cytostatic combined therapy with vincristin sulphate and ifosfamide (author's transl)] Hartwich G, et al.
Arzneim Forsch 26(3):350-2, 1976 (Eng. Abstr.) **(Ger)**

[Influence of some cytostatic drugs on semiconservative DNA-synthesis and DNA-repair in normal and cancer cells (author's transl)] Klein W, et al. **Arzneim Forsch** 25(10):1623-28, Oct 75 (Eng. Abstr.) **(Ger)**

[Electroretinogram of the rabbit under vincristine] Rix R, et al. **Ber Dtsch Ophthalmol Ges** (73):175-6, 1975 **(Ger)**

[Effect of vincristine on glucose assimilation in man] Schauder P, et al. **Verh Dtsch Ges Inn Med** 81:1501-4, 1975 **(Ger)**

[Combined immunosuppression with vincristine sulfate and cyclophosphamide (author's transl)] Schwarz JA, et al.
Z Immunitaetsforsch 151(4):305-15, 1976 (Eng. Abstr.) **(Ger)**

[Experiments and theoretical cell kinetic calculations on the problem of in vivo synchronization with vincristine in L 1210 ascites tumor cells and crypt cells of the mouse (author's transl)] Jellinghaus W, et al. **Z Krebsforsch** 84(2):161-76, 27 Oct 75 (Eng. Abstr.) **(Ger)**

[Experiments with culture in vitro of chick-embryo mesonephron in the presence of antineoplastic agents and human amniotic fluid] Gheri Bryk S, et al.
Boll Soc Ital Biol Sper 52(1-2):62-4, 30 Jan 76 **(Ita)**

[Cell cycle effect of cytosine arabinoside, vincristine, and massive leukapheresis on human leukemic blasts and its application to a quadruple combination chemotherapy of acute leukemia (author's transl)] Yoshikawa H, et al.
Jpn J Clin Hematol 16(1):8-18, Jan 75 (Eng. Abstr.) **(Jpn)**

POISONING

Inappropiate ADH secretion associated with massive vincristine overdosage. Wakem CJ, et al.
Aust NZ J Med 5(3):266-9, Jun 75

Overdosage with vincristine. Kaufman IA, et al.
J Pediatr 89(4):671-4, Oct 76

[Electrophysiology in neuropathy caused by vincristine] Sanz Colombi A, et al. **Arq Neuropsiquiatr** 33(4):345-52, Dec 75 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Wilms' tumour: adjuvant treatment with actinomycin D and vincristine. Jenkin RD, et al. **Can Med Assoc J** 115(2):136-40, 17 Jul 76

Management of small cell carcinoma of the lung: therapy, staging, and biochemical markers. Abeloff MD, et al.
Cancer 38(3):1394-401, Sep 76

An analysis of a multiple-drug program in the treatment of patients with advanced breast cancer utilizing 5-fluorouracil, cyclophosphamide, and prednisone with or without vincristine. Ahmann DL, et al. **Cancer** 36(6):1925-35, Dec 75

Survival of patients with lung cancer treated with vincristine and actinomycin D: An unsuccessful trial. Bitran J, et al.
Cancer 37(4):1669-72, Apr 76

1,3-bis(2-chloroethyl)-1-nitrosourea(BCNU), cyclophosphamide, vincristine- and prednisone-(BCOP). A new therapeutic regimen for diffuse histiocytic lymphoma. Durant JR, et al. **Cancer** 36(6):1936-44, Dec 75

Long-term results of reinforcement therapy in children with acute leukemia. Fernbach DJ, et al. **Cancer** 36(5):1552-9, Nov 75

A comparison of nitrogen mustard, vincristine, procarbazine, and prednisone (MOPP) vs. nitrogen mustard in advanced Hodgkin's disease. Huguley CM Jr, et al. **Cancer** 36(4):1227-40, Oct 75

COMB (cyclophosphamide, oncovin, methyl-CCNU, and bleomycin): a four-drug combination in solid tumors. Livingston RB, et al. **Cancer** 36(2):327-32, Aug 75

Interrupted vs. continued maintenance therapy in childhood acute leukemia. Lonsdale D, et al. **Cancer** 36(2):341-52, Aug 75

Combined cyclophosphamide vincristine, procarbazine, and prednisone (COPP) therapy of malignant lymphoma. Evaluation of 190 patients. Morgenfeld MC, et al.
Cancer 36(4):1241-9, Oct 75

Combination chemotherapy in oat cell carcinoma of the lung. Nixon DW, et al. **Cancer** 36(3):867-72, Sep 75

Burkitt's lymphoma: a clinical study of 110 patients. Nkrumah FK, et al. **Cancer** 37(2):671-6, Feb 76

Combination chemotherapy with cyclophosphamide, vincristine, and prednisone in advanced non-Hodgkin's lymphomas. Portlock CS, et al. **Cancer** 37(3):1275-82, Mar 76

Long term remissions with combined modality therapy for advanced Hodgkin's disease. Prosnitz LR, et al. **Cancer** 37(6):2826-33, Jun 76

Bleomycin combination chemotherapy in the management of testicular neoplasia. Samuels ML, et al. **Cancer** 36(2):318-26, Aug 75

Daunorubicin (NSC-82151), vincristine (NSC-67574), cytosine arabinoside (NSC-63878), and prednisone (NSC-10023) combination therapy for advanced adult acute leukemia. Burns CP. **Cancer Chemother Rep** 59(4):757-60, Jul-Aug 75

Combination vincristine (NSC-67574) and hydroxyurea (NSC-32065) for metastatic renal carcinoma. Johnson DE, et al. **Cancer Chemother Rep** 59(6):1159-60, Nov-Dec 75

Treatment of small cell carcinoma of the lung using methyl-CCNU (NSC-95441) combined with cyclophosphamide (NSC-26271) and vincristine (NSC-67574) in a 3-week schedule. Taylor SG 4th, et al.
Cancer Chemother Rep 59(6):1127-30, Nov-Dec 75

Letter: Prolonged survival of patients with extensive oat cell carcinoma treated with radiotherapy and cyclophosphamide (NSC-26271), vincristine (NSC-67574), and methotrexate (NSC-7040). Bitran J, et al.
Cancer Treat Rep 60(3):221-3, Mar 76

Vincristine (NSC-67574) in the treatment of small-cell anaplastic carcinoma of the lung. Dombernowsky P, et al.
Cancer Treat Rep 60(3):239-42, Mar 76

Multiple agent chemotherapy for advanced histiocytic lymphoma. Adler S, et al. **Eur J Cancer** 12(5):395-403, May 76

Combination chemotherapy with CCNU, vincristine and methotrexate in primary and metastatic brain tumors. Hildebrand J, et al. **Eur J Cancer** 11(8):585-7, Aug 75

Chemotherapy as a primary treatment of Hodgkin's disease (204 new cases, 1 to 8 years of follow-up). Jacquillat C, et al. **Eur J Cancer** 11(10):679-88, Oct 75

Methotrexate, cyclophosphamide and vincristine (MEV regimen) for non-Hodgkin's lymphoma. Lauria F, et al.
Eur J Cancer 11(5):343-9, May 75

Early recruitment in the human myeloma cell population after cytostatic treatment. Pileri A, et al.
Haematologica (Pavia) 61(2):184-93, Jun 76

Sarcoma chemotherapy. pp. 445-54. Gottlieb JA, et al.
In: Cancer chemotherapy. Chicago, Year Book Medical Publishers, 1975. W3 C162H 1974c. (13 ref.)

Treatment of Burkitt's lymphoma: randomized clinical trial of single-agent versus combination chemotherapy. Olweny CL, et al. **Int J Cancer** 17(4):436-40, 15 Apr 76

The effects of chemotherapy on the Wistar-Furth Wilms' Tumor. Murphy GP, et al. **J Med** 6(5-6):401-10, 1975

Response to vincristine of recurrent brain tumors in children. Rosenstock JG, et al. **J Neurosurg** 45(2):135-40, Aug 76

Abnormal spleen scan following MOPP therapy in a patient with Hodgkin's disease: case report. Dickerman JD, et al.
J Nucl Med 16(6):457-8, Jun 75

Acute myelogenous leukemia in children: a preliminary report of combination chemotherapy. Pizzo PA, et al.
J Pediatr 88(1):125-30, Jan 76

Remission induction with L-asparaginase, vincristine, and prednisone in children with acute nonlymphoblastic leukemia. Land VJ, et al. **Med Pediatr Oncol** 2(2):191-8, 1976

Combination chemotherapy based on a model of cell recruitment by partial synchronization. Pouillart P, et al.
Med Pediatr Oncol 1(2):123-34, 1975

A clinical trial of procarbazine plus vincristine plus bis-chloroethyl-nitrosourea plus imidazole carboxamide dimethyl triazeno in metastatic malignant melanoma. Van Dyk JJ, et al. **Med Pediatr Oncol** 1(2):107-11, 1975

Quadrichemotherapy for advanced ovarian carcinoma. Kessinger A, et al. **Obstet Gynecol** 48(2):134-6, AUG 76

Multiple-drug chemotherapy in the management of acute lymphocytic leukemia during pregnancy. Krueger JA, et al. **Obstet Gynecol** 48(3):324-7, Sep 76

Results of therapy in adult acute lymphocytic leukemia. Einhorn LH, et al. **Oncology** 32(5-6):214-20, 1975

Combination chemotherapy in breast cancer: a randomized study of 4 versus 5 drugs. Ramirez G, et al. **Oncology** 32(3-4):101-8, 1975

Casistic report in timing of cytostable drugs by synchronization of tumor cells. Bartsch WH.
Panminerva Med 18(3-4):89-94, Mar-Apr 76

Towards curative treatment of advanced Hodgkin's disease. Falkson HC, et al. **S Afr Med J** 49(38):1545-9, 6 Sep 75

Combined chemotherapy (COP) in treatment of mycosis fungoides: report of four cases. Leavell UW Jr, et al.
South Med J 69(7):915-7, Jul 76

[Letter: Acute lymphoid leukemia: constant induction of remission by the combination of prednisone, vincristine and L-asparaginase (20 cases)] Mathe G, et al.
Nouv Presse Med 5(23):1491, 5 Jun 76 **(Fre)**

[Treatment of metastasising melanoma with a combination of cytostatic agents (author's transl)] Kleeberg UR, et al.
Dtsch Med Wochenschr 101(23):890-4, 4 Jun 76 (Eng. Abstr.) **(Ger)**

[Results of the synchronization therapy with vincristine and cyclophosphamide in lymphogranulomatosis, reticulum cell sarcoma and lymphosarcoma. A phase II study (author's transl)] Klein HO, et al. **Dtsch Med Wochenschr** 100(35):1719-26, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Post-MOPP chemotherapy of Hodgkin's disease (author's transl)] Osieka R, et al. **Dtsch Med Wochenschr** 101(32):1177-82, 6 Aug 76 (Eng. Abstr.) **(Ger)**

[Experiences with combined cyclic chemotherapy (COPP type) in advanced lymphogranulomatosis] Búzás E, et al.
Orv Hetil 116(50):2931-5, 14 Dec 75 **(Hun)**

[A modified MOPP therapy on advanced malignant lymphoma (author's transl)] Kitazima K, et al.
Jpn J Clin Hematol 17(5):515-9, May 76 (Eng. Abstr.) **(Jpn)**

[Significance of the synchronization of the leukemic cell population in the therapy of patients with acute leukemia] Kovaleva LG, et al. **Probl Gematol Pereliv Krovi** 20(3):3-7, Mar 75 (Eng. Abstr.) **(Rus)**

[Therapy of blastic crisis of chronic myeloid leukaemia. Assay of remission induction with vincristine and prednisone in ten cases (author's transl)] Feliu E, et al.
Sangre (Barc) 20(3):243-54, 1975 (Eng. Abstr.) **(Spa)**

TOXICITY

Enhanced toxicity for mice of combinations of bacterial lipopolysaccharide and vincristine. Munson AE, et al.
Antimicrob Agents Chemother 9(5):840-7, May 76

Vincristine toxicity unrelated to dose. O'Callaghan MJ, et al. **Arch Dis Child** 51(4):289-92, Apr 76

Phenobarbital and SKF-525A on vinblastine and vincristine toxicity in mice. Fitzgerald TJ. **Experientia** 32(5):619-20, 15 May 76

VINETHENE see **VINYL ETHER**

VINYL CHLORIDE see under **VINYL COMPOUNDS**

VINYL COMPOUNDS

Interaction of a 5-trans-vinylcarboxylic acid analogue of pyridoxal 5'-phosphate with apoaspartate aminotransferase. Covalent labeling of the enzyme. Miura R, et al.
Biochemistry 15(2):283-90, 27 Jan 76

Polynucleotide analogs: acrylic acid and maleic acid copolymers of 1-vinyluracil and 9-vinyladenine. Olson PE, et al. **Biochemistry** 14(22):4892-6, 4 Nov 75

Editorial: Inhalation anesthetics--more vinyl chloride? Corbett TH. **Environ Res** 9(3):211-4, Jun 75

The Food and Drug Administration and the vinyl chloride problem--an overview. Schaffner RM, et al.
J Assoc Off Anal Chem 58(6):1211-3, Nov 75

Enzymatic attack on side chains of synthetic polymers. Chymotrypsin-catalyzed hydrolysis of specific substrate groups attached to acrylamide or acrylic acid co-polymers. Fu TY, et al. **J Biol Chem** 241(7):2083-6, 10 Apr 76

Vinyl acetate casts of emphysematous rat lungs. Colombo C, et al. **J Pharm Sci** 65(7):1082-4, Jul 76

Vinyl chloride: how many unknown problems? Haley TJ.
J Toxicol Environ Health 1(1):47-73, Sep 75 (203 ref.)

[Withdrawal of dermoepidermal transplants in local anesthesia by freezing with chlorethylene] Cesaný P, et al. **Rozhl Chir** 54(10):689-92, Oct 75 (Eng. Abstr.) **(Cze)**

[Reduction of some vinylogous esters with lithium aluminium hydride. VII. On the six membered vinylogous esters substituted by alkoxy group at the alpha-position (author's transl)] Matoba K, et al. **J Pharm Soc Jpn** 94(11):1459-67, Nov 74 **(Jpn)**

[Aggregation of 4-vinyl-protochlerophyll and protochlorophyll in solutions] Zen'kevich EI, et al.

Mol Biol (Mosk) 10(2):294–304, Mar–Apr 76 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Vinyl chloride–associated liver disease. Berk PD, et al. Ann Intern Med 84(6):717–31, Jun 76

Proceedings: Vinyl chloride carcinogenesis. Duck BW. Br J Cancer 32(2):260, Aug 75

Immunological mechanisms in the pathogenesis of vinyl chloride disease. Ward AM, et al. Br Med J 1(6015):936–8, 17 Apr 76

Clinical and morphologic features of hepatic angiosarcoma in vinyl chloride workers. Mark L, et al. Cancer 37(1):149–63, Jan 76

Pulmonary changes among vinyl chloride polymerization workers. Lilis R, et al. Chest 69(2 Suppl):299–303, Feb 76

Banti's syndrome followed by hepatic angiosarcoma in vinyl-chloride exposure. pp. 1–2. Popper H, et al. In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 I61d 1974.

Healing of phalangeal defects in acro–osteolysis. Williams DM, et al. J Soc Occup Med 26(3):98–9, Jul 76

Letter: Angiosarcoma of the liver. Dalderup LM, et al. Lancet 1(7953):246, 31 Jan 76

Letter: Congenital malformations and vinyl chloride. Edmonds LD, et al. Lancet 2(7944):1098, 29 Nov 75

Letter: Mortality among vinyl-chloride workers. Falk H, et al. Lancet 2(7883):784, 28 Sep 74

Genetic risks of vinyl chloride. Infante PF, et al. Lancet 1(7962):734–5, 3 Apr 76

Vinyl chloride: can the worker be protected? N Engl J Med 294(12):653–7, 18 Mar 76

Epidemiological studies of PVC manufacturers and fabricators, and primary angiosarcoma of the liver. Baxter PJ. Proc R Soc Med 69(4):297–9, Apr 76

Medical surveillance of vinyl chloride workers. Duck BW. Proc R Soc Med 69(4):307–9, Apr 76

Epidemiological studies of vinyl chloride health effects in the United States. Falk H, et al. Proc R Soc Med 69(4):303–6, Apr 76

Vinyl chloride: introduction to the problem. Gauvain S. Proc R Soc Med 69(4):275–7, Apr 76

Clinical aspects of vinyl chloride disease: acro–osteolysis. Preston BJ, et al. Proc R Soc Med 69(4):284–6, Apr 76

Chromosomal effects in peripheral lymphocytes. Purchase IF, et al. Proc R Soc Med 69(4):290–2, Apr 76

Preliminary results of grey–scale ultrasonography in the detection of vinyl chloride related liver and spleen disease. Taylor KJ, et al. Proc R Soc Med 69(4):292–5, Apr 76

Clinical aspects of vinyl chloride disease: skin. Walker AE. Proc R Soc Med 69(4):286–9, Apr 76

Evidence of an immune complex disorder in vinyl chloride workers. Ward AM. Proc R Soc Med 69(4):289–90, Apr 76

Histopathology of liver lesions associated with exposure to vinyl chloride monomer. Weinbren K. Proc R Soc Med 69(4):299–303, Apr 76

Angiographic and radionuclide characteristics of hepatic angiosarcoma found in vinyl chloride workers. Whelan JG Jr, et al. Radiology 118(3):549–57, Mar 76

Fate in humans of the plasticizer, di–2–ethylhexyl phthalate, arising from transfusion of platelets stored in vinyl plastic bags. Rubin RJ, et al. Transfusion 16(4):330–5, Jul–Aug 76

[2 cases of angiosarcoma of the liver following exposure to vinyl chloride] Zorica M, et al. Arh Hig Rada Toksikol 26(4):275–81, 1975 (Eng. Abstr.) (Cro)

[Report of the industrial hazards of vinyl chloride] Hublet P. Arch Belg Med Soc 33(2):73–89, Feb 75 (Eng. Abstr.) (Fre)

[Case of spontaneous rupture of a hepatic angiosarcoma in a worker exposed to vinyl chloride] Bonneton G, et al. Chirurgie 101(12):936–42, Dec 75 (Eng. Abstr.) (Fre)

[Letter: Cancerigen role of vinyl chloride] Pelfrene AF. Nouv Presse Med 5(15):999–1000, 10 Apr 76 (Fre)

[Angiosarcomas of the liver in workers having had prolonged contact with vinyl chloride: morphological description of the lesions] Delorme F, et al. Union Med Can 104(12):1836, Dec 75 (Fre)

[Angiosarcomas of the liver in workers having had prolonged contact with vinyl chloride: epidemiology and program of research in the workers] Makk L, et al. Union Med Can 104(12):1833–5, Dec 75 (Fre)

[The vinylchloride liver, an occupational environmental disease] Markoff N. Hippokrates 47(1):77–80, Feb 76 (Ger)

[Liver disease in polyvinyl chloride production workers – Clinical and peritoneoscopic aspects (author's transl)] Marsteller HJ, et al. Leber Magen Darm 5(5):196–202, Oct 75 (Eng. Abstr.) (Ger)

[Some enzymological and immunological shifts following prolonged occupational exposure to the effects of alpha–methylstyrene and divinyl] Sergeta LN, et al. Gig Tr Prof Zabol (12):51–3, Dec 75 (Rus)

ANALYSIS

A UV–conductivity method for determination of airborne levels of vinyl chloride. Confer RG. Am Ind Hyg Assoc J 36(7):491–6, Jul 75

Improved methods for sampling and analysis of vinyl chloride. Lao RC, et al. Am Ind Hyg Assoc J 37(1):1–7, Jan 76

Monitoring personnel exposure to vinyl chloride, vinylidene chloride and methyl chloride in an industrial work environment. Severs LW, et al. Am Ind Hyg Assoc J 36(9):669–76, Sep 75

Gas–chromatographic determination of vinyl chloride in air samples collected on charcoal. Hill RH, et al. Anal Chem 48(9):1395–7, Aug 76

Chromatographic determination of vinyl chloride in tobacco smoke. Hoffmann D, et al. Anal Chem 48(1):47–50, Jan 76

Gas–liquid chromatographic determination of vinyl chloride in vinyl chloride polymers, food–simulating solvents, and other samples. Breder CV, et al. J Assoc Off Anal Chem 58(6):1214–20, Nov 75

Confirmation of vinyl chloride in foods by conversion to 1–chloro–1,2–dibromoethane. Williams DT. J Assoc Off Anal Chem 59(1):32–4, Jan 76

Gas–liquid chromatographic headspace method for vinyl chloride in vinegars and alcoholic beverages. Williams DT. J Assoc Off Anal Chem 59(1):30–1, Jan 76

Trace analysis of vinyl chloride in PVC and in the atmosphere. Ravey M, et al. J Chromatogr Sci 13(11):552–3, Nov 75

The examination of some vinyl acetate/olefin copolymers by pyrolysis gas chromatography mass spectrometry. Sellier N, et al. J Chromatogr Sci 13(8):383–5, 10 Aug 75

Vinyl chloride and the production of PVC. Barnes AW. Proc R Soc Med 69(4):277–81, Apr 76

Vinyl chloride. Environmental monitoring. Henning HF. Proc R Soc Med 69(4):309–10, Apr 76

[Vinylogous acyl compounds. XV. Thin–layer chromatographic detection of 2–halovinyl ketones with toxicological relevance (author's transl)] Fisher GW. J Chromatogr 117(1):137–42, 4 Feb 76 (Eng. Abstr.) (Ger)

[Gas–chromatographic determination of monomer vinyl chloride in the air] Bianchi A, et al. Ann Ist Super Sanita 9 Spec No 1:525–7, 1973 (Eng. Abstr.) (Ita)

[Determination of methylvinylpyridine in studying modified cellulose] Kaznina NI, et al. Gig Sanit (3):113–4, Mar 76 (Rus)

[Hygienic evaluation of vinylite film intended for the manufacture of visual aids] Khrustaleva VA, et al. Gig Sanit (7):116–7, Jul 75 (Rus)

[Determination of small amounts of vinylacetate in the air, water, alcoholic solutions and food stuffs] Petroza LI, et al. Gig Sanit (6):48–9, Jun 75 (Rus)

CHEMICAL SYNTHESIS

Synthesis of 5–vinyluridine and 5–vinyl–2'–deoxyuridine as new pyrimidine nucleoside analogs. Sharma RA, et al. J Org Chem 40(16):2377–9, 8 Aug 75

METABOLISM

Disposition of (1,2–14C) vinyl chloride in the rat. Bolt HM, et al. Arch Toxicol (Berl) 35(3):153–62, 8 Jun 76

Acrylonitrile biotransformation in rats, mice, and chinese hamsters as influenced by the route of administration and by phenobarbital, SKF 525–A, cysteine, dimercaprol, or thiosulfate. Gut I, et al. Arch Toxicol (Berl) 33(2):151–61, 14 Feb 75

Liver–microsome–mediated formation of alkylating agents from vinyl bromide and vinyl chloride. Barbin A, et al. Biochem Biophys Res Commun 67(2):596–603, 17 Nov 75

A 4–vinylprotochlorophyllide complex accumulated by 'phofil' mutant of Rhodopseudomonas spheroides. An authentic intermediate in the development of the photosynthetic apparatus. Pradel J, et al. Biochim Biophys Acta 430(2):253–64, 14 May 76

The biological fate in rats of vinyl chloride in relation to its oncogenicity. Green T, et al. Chem Biol Interact 11(6):545–62, Dec 75

Comment on the mutagenic effectiveness of vinyl chloride metabolites. Hussain S, et al. Chem Biol Interact 12(3–4):265–7, Mar 76

The mutagenicity of chloroethylene oxide, chloroacetaldehyde, 2–chloroethanol and chloroacetic acid, conceivable metabolites of vinyl chloride. Rannug U, et al. Chem Biol Interact 12(3–4):251–63, Mar 76

Preliminary studies on the fate of inhaled vinyl chloride monomer (VCM) in rats. Hefner RE Jr, et al. Environ Health Perspect 11:85–95, Jun 75

Pharmacodynamics and uptake of vinyl chloride monomer administered by various routes to rats. Withey JR. J Toxicol Environ Health 1(3):381–94, Jan 76

Evaluation of the genetic effects induced by vinyl chloride monomer (VCM) under mammalian metabolic activation: studies in vitro and in vivo. Loprieno N, et al. Mutat Res 40(2):85–96, Apr 76

Rat liver microsomes catalyse covalent binding of 14C–vinyl chloride to macromolecules. Kappus H, et al. Nature 257(5522):134–5, 11 Sep 75

Mutagenicity of chloroacetaldehyde, a possible metabolic product of 1,2–dichloroethane (ethylene dichloride), chloroethanol (ethylene chlorohydrin), vinyl chloride, and cyclophosphamide. McCann J, et al. Proc Natl Acad Sci USA 72(8):3190–3, Aug 75

Percutaneous absorption of vinyl chloride. Hefner RE Jr, et al. Toxicol Appl Pharmacol 34(3):529–32, Dec 75

Fate of (14C)vinyl chloride after single oral administration in rats. Watanabe PG, et al. Toxicol Appl Pharmacol 36(2):339–52, May 76

[Determination of 2 vinylchloride metabolites in urine] Müller G, et al. Naturwissenschaften 62(11):541, Nov 75 (Ger)

PHARMACODYNAMICS

Hepatotoxicity of vinyl chloride and 1,1–dichloroethylene. Role of mixed function oxidase system. Reynolds ES, et al. Am J Pathol 81(1):219–36, Oct 75

Mechanims of stimulation of in vitro protein synthesis by some copolymers of styrene, vinyluracil, and vinyladenine with maleic acid and acrylic acid. Boguslawski S, et al. Biochemistry 15(16):3536–40, 10 Aug 76

The mutagenicity of chloroethylene oxide, chloroacetaldehyde, 2–chloroethanol and chloroacetic acid, conceivable metabolites of vinyl chloride. Rannug U, et al. Chem Biol Interact 12(3–4):251–63, Mar 76

Mutation induction in Chinese hamster V79 cells by two vinyl chloride metabolites, chloroethylene oxide and 2–chloroacetaldehyde. Huberman E, et al. Int J Cancer 16(4):639–44, 15 Oct 75

A comparison of the mutagenic properties of vinyl chloride and methyl chloride. Andrews AW, et al. Mutat Res 40(3):273–6, Jul 76

Vinyl chloride dependent mutagensis: effects of liver extracts and free radicals. Garro AJ, et al. Mutat Res 38(2):81–8, Apr 76

The non–mutagenicity and –recombinogenicity of vinyl chloride in the absence of metabolic activation. Shahin M. Mutat Res 40(3):269–72, Jul 76

Vinyl chloride–induced deactivation of cytochrome P–450 and other components of the liver mixed function oxidase system: an in vivo study. Reynolds ES, et al. Res Commun Chem Pathol Pharmacol 12(4):685–94, Dec 75

Vinyl chloride–induced depression of hepatic non–protein sulfhydryl content and effects on bromosulphalein (BSP) clearance in rats. Watanabe PG, et al. Toxicology 6(1):1–8, Jun 76

POISONING

The association of vinyl chloride exposures with morbidity symptoms. Spirtas R, et al. Am Ind Hyg Assoc J 36(10):779–89, Oct 75

Proceedings: Screening vinyl chloride monomer workers for liver disease. Williams DM, et al. Gut 16(10):839, Oct 75

Cryoglobulinemia in Raynaud's phenomenon due to vinyl chloride. Langauer–Lewowicka H, et al. Int Arch Occup Environ Health 36(3):197–207, 26 Jan 76

Proceedings: Immune complex disease in vinyl chloride workers. Ward AM. J Clin Pathol 29(1):83, Jan 76

Angiosarcoma of the liver in vinyl chloride/polyvinyl chloride workers. Lloyd JW. J Occup Med 17(5):333–4, May 75

Retrospective survey of the alleged diseases associated with vinyl–chloride in the Federal Republic of Germany. Thiess AM, et al. J Occup Med 17(7):430–2, Jul 75

Special communication. Polyvinyl chloride – vinyl chloride disease: an occupational health hazard. Sadick A. JPMA 26(2):37–9, Feb 76

Mutagenic and carcinogenic effects of vinyl chloride. Bartsch H, et al. Mutat Res 32(2):93–114, 1975 (100 ref.)

Letter: Industrial exposure to vinyl chloride. Christiani DC. N Engl J Med 295(4):233, 22 Jul 76

[Morphological changes of the liver after chronic vinyl chloride intoxication (author's transl)] Müller R, et al. Leber Magen Darm 5(5):204–8, Oct 75 (Eng. Abstr.) (Ger)

[Results of a study on 17 cases of long–term exposition to vinylchloride] Müller KT, et al. Med Welt 27(1):21–4, 2 Jan 76 (Ger)

[Pathological anatomy of the vinylchloride–disease (author's transl)] Zimmermann H, et al. Virchows Arch [Pathol Anat] 368(1):51–9, 7 Oct 75 (Eng. Abstr.) (Ger)

[Change in the rhythm of the enzyme activity of the liver in white rats during the chronic action of vinylacetate] Tiunova LV, et al. Biull Eksp Biol Med 79(4):101–3, Apr 75 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[Letter: Possibilities of radiation–induced sterilization of medical equipment made of polychlor vinyl] Zalewski W, et al. Polim Med 4(3):225–7, 1974 (Pol)

TOXICITY

Editorial: Vinyl chloride: the carcinogenic risk. Br Med J 2(6028):134–5, 17 Jul 76

Effects of vinyl chloride exposures to rats pretreated with phenobarbital. Drew RT, et al. Environ Health Perspect 11:235–42, Jun 75

Biochemical toxicology of unsaturated halogenated monomers. Jaeger RJ, et al. Environ Health Perspect 11:121–8, Jun 75

Cancer mortality in U.S. counties with plastics and related industries. Mason TJ. Environ Health Perspect 11:79–84, Jun 75

Pulmonary function defects in nonsmoking vinyl chloride workers. Miller A. Environ Health Perspect 11:247–50, Jun 75

Acute liver injury by vinyl chloride: involvement of endoplasmic reticulum in phenobarbital–pretreated rats. Reynolds ES, et al. Environ Health Perspect 11:227–33, Jun 75

Public health implications of components of plastics

manufacture. Regulatory aspects and research needs. Schweitzer GE. **Environ Health Perspect** 11:225, Jun 75
Health effects of vinyl chloride monomer: an annotated literature collection. Warren H, et al. **Environ Health Perspect** 11:251–319, Jun 75
Observations on the oral administration and toxicity of vinyl chloride in rats. Feron VJ, et al. **Food Cosmet Toxicol** 13(6):633–8, Dec 75
Letters to the editor: Vinyl chloride and haemangiosarcoma of the liver. Dalderup LM. **J Occup Med** 17(5):285–6, May 75
Vinyl chloride: review of animal studies. Williamson KS. **Proc R Soc Med** 69(4):281–3, Apr 76 (9 ref.)
[Carcinogenic action of vinylchloride in man and experimental animals] Preussmann R. **Hippokrates** 45(4):507–8, Nov 74 **(Ger)**
[Changes in cholinesterase and carboxylesterase activity in rats poisoned with enolophosphate insecticides IPO–63 and IPO–597] Bańkowska J, et al. **Rocz Panstw Zakl Hig** 26(4):529–40, 1975 (Eng. Abstr.) **(Pol)**
[Toxicological and hygienic characteristics of ethylidene norbornene, vinylnorbornene and tetrahydroindene] Dobrynina VV, et al. **Gig Tr Prof Zabol** (10):52–4, Oct 74 **(Rus)**
[New type of malignant occupational tumors caused by vinyl chloride (a review of the literature)] Shabad LM, et al. **Gig Tr Prof Zabol** (7):41–4, Jul 76 (40 ref.) **(Rus)**
[Carcinogenic properties of vinyl chloride (a review of the literature)] Zaeva GN. **Gig Tr Prof Zabol** (4):46–8, Apr 76 (27 ref.) (Eng. Abstr.) **(Rus)**

VINYL ETHER

Lest we forget. An historic meeting of the Section of Anaesthetics of Royal Society of Medicine on 6 Decemeber 1974. Divynyl ether. Magill IW, et al. **Anaesthesia** 30(5):630–2, Sep 75

CHEMICAL SYNTHESIS

Vinyl ethers of choline and congeners. Cannon JG, et al. **J Med Chem** 19(7):934–7, Jul 76

TOXICITY

[Mechanism of the toxic action of glycol vinyl ethers] Gadaskina ID, et al. **Gig Tr Prof Zabol** (2):31–3, Feb 76 (Eng. Abstr.) **(Rus)**

VIOFORM see **IODOCHLORHYDROXYQUIN**

VIOLENCE

see related
RIOTS

Recent trends in violent deaths among young adults in the United States. Weiss NS. **Am J Epidemiol** 103(4):416–22, Apr 76
Human violence. Sobel DE. **Am J Nurs** 76(1):69–71, Jan 76
Children in a warring world. Escalona SK. **Am J Orthopsychiatry** 45(5):765–72, Oct 75
Family experience and public support of the death penalty. Gelles RJ, et al. **Am J Orthopsychiatry** 45(4):596–613, Jul 75
Counter–transference and counter–experience in the treatment of violence prone youth. King CH. **Am J Orthopsychiatry** 46(1):43–52, Jan 76
Letter: Confronting and identifying dangerousness. Kinzel AF. **Am J Psychiatry** 132(12):1331–2, Dec 75
Nursing aides and patient violence. Levy P, et al. **Am J Psychiatry** 133(4):429–35, Apr 76
A violence clinic: three years' experience. Lion JR, et al. **Am J Psychiatry** 133(4):432–5, Apr 76
Crime and violence among mental patients. Zitrin A, et al. **Am J Psychiatry** 133(2):142–9, Feb 76
Editorial: Health policy 1976: violence, television, and American youth. Somers AS. **Ann Intern Med** 84(6):743–5, Jun 76
Violence among hospitalized delinquents. Offer D, et al. **Arch Gen Psychiatry** 32(9):1180–6, Sep 75
Letter: Brain research, violent behavior, and the XYY genotype: Comments on the NINDS report. Hook EB. **Arch Neurol** 33(4):305–6, Apr 76
Editorial: Hysteria. McGrath WB. **Ariz Med** 33(4):309, Apr 76
Letter: The battered husband. Alani AA. **Br J Psychiatry** 129:96, Jul 76
A fifteen–year review of female admissions to Carstairs State Hospital. Brooks PW, et al. **Br J Psychiatry** 127:448–55, Nov 75
A survey of female patients in Carstairs State Hospital. Mitchell G, et al. **Br J Psychiatry** 127:445–7, Nov 75
The dangerous offender. Tennent TG. **Br J Psychiatry** Spec No 9:308–15, 1975 (59 ref.)
Editorial: Violence and television. **Br Med J** 1(6014):856, 10 Apr 76
Letter: Granny–battering. Burston GR. **Br Med J** 3(5983):592, 6 Sep 75
Letter: More battering. Isaacs B. **Br Med J** 4(5988):101, 11 Oct 75
Criminal justice and violence. Robitscher JB. **Bull Am Acad Psychiatry Law** 2(4):205–15, Dec 74
Editorial: Social violence and medicine. **Can Med Assoc J** 113(5):357, 6 Sep 75
Editorial: The medical profession and torture. **Ceylon Med J** 20(4):203–4, Dec 75
Yo–yo children–victims of matrimonial violence. Moore JG. **Child Welfare** 54(8):557–66, Sep–Oct 75
Token economy procedures with young and assaultive inpatients. Mann RA. **Curr Psychiatr Ther** 15:269–75, 1975
A general practitioner looks at violence. Acres DI. **Forensic Sci** 5(3):229–41, Jun 75
Psychiatric aspects of violence and violent offenders. Gunn J. **Forensic Sci** 5(3):219–27, Jun 75
Current attitudes to violence. Habershon R. **Forensic Sci** 5(3):269–75, Jun 75
The mass media and violence. Halloran JD. **Forensic Sci** 5(3):209–17, Jun 75
The reform of the law against violence. Smith JC. **Forensic Sci** 5(3):257–67, Jun 75
Sexual violence. Usher A. **Forensic Sci** 5(3):243–55, Jun 75
Victims of violence. pp. 192–211. Burgess AW, et al. **In: Burgess AW, Lazare A, ed. Community mental health: target populations. Englewood Cliffs, N.J., Prentice–Hall, 1976. WM 30 B955c 1976.**
Violent outcome following psychiatric emergency room visits. pp. 221–5. Lieber AL, et al. **In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.**
Drunkenness, a 'special circumstance' in crimes of violence: sometimes. Sobell LC, et al. **Int J Addict** 10(5):869–82, 1975
Family violence: a psychiatric perspective. Daly L. **Ir Med J** 68(18):450–3, 11 Oct 75
Living with television: The Violence Profile Gerbner G, et al. **J Commun** 26(2):173–99, spring 76
Living with television: the violence profile. Gerbner G, et al. **J Commun** 26(2):173–99, Spring 76
The effects of television on children and adolescents: violence and behavior disorders. McCarthy ED, et al. **J Commun** 25(4):71–85, Autumn 75
Violent behavior and differential WAIS characteristics. Kunce JT, et al. **J Consult Clin Psychol** 44(1):42–5, Feb 76
Negative response bias and the MMPI overcontrolled–hostility scale: a response to Deiker. Megargee EI, et al. **J Consult Clin Psychol** 43(5):725–9, Oct 75
The effects of vicariously experiencing supernatural–violent events: a case study of The Exorcist's impact. Heisler GH. **J Individ Psychol** 31(2):158–70, Nov 75
The determination of dangerousness. Skelton WD. **J Med Assoc Ga** 65(2):50–2, Feb 76
Effects of movie violence on aggression in a field setting as a function of group dominance and cohesion. Leyens J–P, et al. **J Pers Soc Psychol** 32(2):346–60, Aug 75
The influence of pornography and violence on attitudes and guilt. Lenes MS, et al. **J Sch Health** 45(8):447–51, Oct 75
Body–buffer zone and violence: a cross–cultural study. Roger DB, et al. **J Soc Psychol** 98(Second Half):153–8, Apr 76
Letter: Violence on television. **JAMA** 235(15):1550–1, 12 Apr 76
Effect of television violence on children and youth. Rothenberg MB. **JAMA** 234(10):1043–6, 8 Dec 75
Violence in the family. Gibbens TC. **Med Leg J** 43(3):76–88, 1975
Violence and its effects on the community. Hall RA. **Med Leg J** 43(3):89–100, 1975
Battered wives. Gayford JJ. **Med Sci Law** 15(4):237–45, Oct 75
Interparental violence and its effect on the children: a study of 50 families in general practice. Levine MB. **Med Sci Law** 15(3):172–6, Jul 75
The yo–yo syndrome: a matter for interdisciplinary concern. Moore JG. **Med Sci Law** 15(4):234–6, Oct 75
Evaluation of training for nonviolent direct action. Blumberg HH, et al. **Ment Health Soc** 1(5–6):364–75, 1974
Violence in the South Pacific. Moore RW. **Ment Health Soc** 1(5–6):292–6, 1974
The personality of violence conversations with protagonists. Newman DE. **Ment Health Soc** 1(5–6):328–44, 1974
Letter: Violence on TV. **N Engl J Med** 295(5):288–91, 29 Jul 76
Editorial: Violence on tv: an unchecked environmental hazard. Ingelfinger FJ. **N Engl J Med** 294(15):837–8, 8 Apr 76
Letter: TV violence: a case for protest. Johnson GT, et al. **N Engl J Med** 294(18):1007, 29 Apr 76
By the London ost. National health service—inquiry into the demystification of medicine—Gordon Hamilton Fairley. Lister J. **N Engl J Med** 293(26):1359–61, 25 Dec 75
Violence, television and the health of American youth. Somers AR. **N Engl J Med** 294(15):811–6, 8 Apr 76
The consequences of imitative behavior in children: the 'Evel Knievel syndrome'. Daven J, et al. **Pediatrics** 57(3):418–9, Mar 76
Does watching violence on television cause apathy? Drabman RS, et al. **Pediatrics** 57(3):329–31, Mar 76
Children and television. Feinbloom RI. **Pediatrics** 57(3):301–3, Mar 76
The seeds of social violence. Howorth NF. **Proc R Soc Med** 68(3):185–9, Mar 75
A perception of violence. Peters DW. **Proc R Soc Med** 68(3):189–98, Mar 75
Psychoactive drugs, crime and violence. Solursh LP. **Psychol Rep** 37(3 PT 2):1177–8, Dec 75
Battered wives. Family violence seen in general practice. Dewsbury AR. **R Soc Health J** 95(6):290–4, Dec 75
Battered wives. Research on battered wives. Gayford JJ. **R Soc Health J** 95(6):288–9, Dec 75
Battered wives. Chiswick Women's Aid – a refuge from violence. Pizzey E. **R Soc Health J** 95(6):297–8, 308, Dec 75
The roots of vandalism. Schaffer EB. **R Soc Health J** 95(2):79–82, Apr 75
Battered wives. A social worker's viewpoint. Wilson E. **R Soc Health J** 95(6):294–7, Dec 75
On the association of sex and violence in the fantasy production of college students. Gelles RJ. **Suicide** 5(2):78–85, Summer 75
The anticipation of death by violence: a psychological profile. Mahoney J, et al. **Suicide** 5(2):86–92, Summer 75
[The concept of mental accountability in violent crime] Goudsmit W. **Ned Tijdschr Geneeskd** 120(12):518–24, 20 Mar 76 **(Dut)**
[Forensic problems of fatal hand–inflicted injuries] Imre K. **Morphol Igazsagugyi Orv Sz** 16(1):67–71, Jan 76 **(Hun)**
[Action of command: relationship between aggressivity and non–violence] D'Antino E. **Minerva Med** 66(87):4716–23, 19 Dec 75 **(Ita)**
[Acts of violence from point of view of the criminologist] Ferracuti F, et al. **Quad Criminol Clin** 17(1):3–54, Jan–Mar 75 (Eng. Abstr.) **(Ita)**
[Accidents, poisonings an violence as the cause of death in residents of São Paulo City (Brazil)] Silveira MH, et al. **Rev Saude Publica** 10(1):45–55, Mar 76 (Eng. Abstr.) **(Por)**

VIOLOGENS see under **PYRIDINIUM COMPOUNDS**

VIOMYCIN

PHARMACODYNAMICS

Dual actions of viomycin on the ribosomal functions. Liou YF, et al. **Biochem Biophys Res Commun** 71(2):477–83, 26 Jul 76
Effect of viomycin on dihydrostreptomycin binding to bacterial ribosomes. Masuda K, et al. **Biochim Biophys Acta** 435(4):333–9, 16 Jul 76
Studies on viomycin. VIII. Selective modifications of the terminal amino groups of viomycin. Kitagawa T, et al. **Chem Pharm Bull (Tokyo)** 23(9):2123–7, Sep 75
[Basic studies on viomycin and tuberactinomycin (author's transl)] Aoyagi T, et al. **Kekkaku** 50(10):295–301, Oct 75 (Eng. Abstr.) **(Jpn)**

VIQUIDIL see under **QUINOLINES**

VIRAL ANTIBODIES see **ANTIBODIES, VIRAL**

VIRAL ANTIGENS see **ANTIGENS, VIRAL**

VIRAL HEPATITIS, ENDEMIC see **HEPATITIS, INFECTIOUS**

VIRAL INTERFERENCE

Murine influenza virus encephalomyelitis. III. Effect of defective interfering virus particles. Gamboa ET, et al. **Acta Neuropathol (Berl)** 34(2):157–69, 15 Mar 76
Biochemical characterization of Australia antigen. Evidence for defective particles of hepatitis B virus. Gerin JL, et al. **Am J Pathol** 81(3):651–68, Dec 75
Genetic exclusion and stable complementation of Sindbis virus. Brawner TA, et al. **Arch Virol** 50(3):177–87, 1976
The isolation of bovine ephemeral fever virus in cell cultures and evidence for autointerference. Tzipori S. **Aust J Exp Biol Med Sci** 53(4):273–9, Aug 75
Genetic control of oncogenesis by murine sarcoma virus Moloney pseudotype. III. Possible correlation with endogenous virus production. Colombatti A, et al. **Bibl Haematol** (43):448–50, Oct 75
In vivo interference of virus–induced osteosarcomas by a benign bone tumor virus. Reilly CA Jr, et al. **Bibl Haematol** (43):441–4, Oct 75
Current problems on murine RNA type C viruses and their implications for studies on putative human leukemia viruses. Chieco–Bianchi L, et al. **Haematologica (Pavia)** 61(2):237–47, Jun 76
Defective–interfering particles of Semliki Forest Virus: structural differences between standard virus and defective–interfering particles. Bruton CJ, et al. **J Gen Virol** 31(3):383–95, Jun 76
Defective–interfering particles of Semliki Forest virus: intracellular events during interference. Bruton CJ, et al. **J Gen Virol** 31(3):397–416, Jun 76
Interference between virulent and vaccine strains of Venezuelan encephalitis virus in mixed infections of hamsters. Jahrling PB. **J Gen Virol** 28(1):1–8, Jul 75
Localization fo the gene AVG for the antiviral expression of immune and classical interferon to the distal portion of the long arm of chromosome 21. Epstein LB, et al. **J Infect Dis** 133 Suppl:A56–62, Jun 76
Interfering passages of Sindbis virus: concomitant appearance of interference, morphological variants, and trucated viral RNA. Johnston RE, et al. **J Urol** 16(4):951–8, Oct 75
R17 bacteriophage replicase: association with the inhibition of Qbeta, fd bacteriophage and beta–galactosidase production. Scott JW, et al. **J Urol** 16(4):1077–80, Oct 75
Inhibition of pseudorabies virus replication by vesicular stomatitis virus. II Activity of defective interfering

particles. Dubovi EJ, et al. **J Virol** 18(2):534–41, May 76

Inhibition of pseudorabies virus replication by vesicular stomicles virus I. Activity of infectious and inactivated B particles. Dubovi EJ, et al. **J Virol** 18(2):526–33, May 76

Separation of antiviral activity of human interferon from cell growth inhibitory effect. Dahl H, et al. **Nature** 257(5529):799–800, 30 Oct 75

Regulation of chromosome 21–directed anti–viral gene(s) as a consequence of age. Tan YH, et al. **Nature** 257(5524):310–2, 25 Sep 75

Viral interference and interferon. Dianzani F. **Ric Clin Lab** 5(3):196–213, Jul–Sep 75 (100 ref.) (Eng. Abstr.)

Superinfection immunity and prophage repression in phage P1. II. Mapping of the immunity–difference and ampicillin–resistance loci of P1 and phi amp. Chesney RH, et al. **Virology** 67(2):375–84, Oct 75

Defective interfering particles of Semliki Forest virus generated in BHK cells do not interfere with viral RNA synthesis in Aedes albopictus cells. Eaton BT. **Virology** 68(2):534–8, Dec 75

Defective interfering particles of Sindbis virus. III. Intracellular viral RNA species in chick embryo cell cultures. Guild GM, et al. **Virology** 67(1):24–41, Sep 75

Defective interfering particles of Sindbis virus. III. Intracellular viral RNA species in chick embryo cell cultures. Guild GM, et al. **Virology** 67(1):24–41, Sep 75

Viral interference–mediated selection of a plaque–type variant of influenza virus. Noronha–Blob L, et al. **Virology** 69(1):314–22, Jan 76

Nonreciprocal and host–dependent interference between two variants of influenza virus. Noronha–Blob L, et al. **Virology** 70(2):509–16, Apr 76

Mutants of bacteriophage T4 unable to exclude T2 from the progeny of crosses. Pees E, et al. **Virology** 67(1):94–106, Sep 75

Defective interfering particles in monolayer–propagated Newcastle disease virus. Roman JM, et al. **Virology** 69(1):298–303, Jan 76

The role of the genes imm and s in the development of immunity against T4 ghosts and exclusion of superinfecting phage in Escherichia coli infected with T4. Vallée M, et al. **Virology** 67(1):219–33, Sep 75

[Letter: Interference phenomenon in virus infections] Vivell O. **Dtsch Med Wochenschr** 101(6):218, 6 Feb 76 **(Ger)**

DRUG EFFECTS

Chromosome 21 and the cell growth inhibitory effect of human interferon preparations. Tan YH. **Nature** 260(5547):141–3, 11 Mar 76

RADIATION EFFECTS

[Interference between UV–inactivated and active strains of the potato X–virus] Skofenko AA, et al. **Mikrobiol Zh** 36(4):486–9, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

VIRAL PROTEINS

Discrepancy in the mobility of a protein of phage phi29 in 2 different SDS polyacrylamide–gel systems. Camacho A, et al. **Anal Biochem** 69(2):395–400, Dec 75

Characterization and comparison of the major glycoprotein from three strains of Rous sarcoma virus. Krantz MJ, et al. **Arch Biochem Biophys** 174(1):66–73, May 76

Capsomeres of herpesvirus–equi–1 in thin sections. Grund S, et al. **Arch Virol** 50(3):245–8, 1976

Viral pseudotypes and phenotypic mixing. Závada J. **Arch Virol** 50(1–2):1–15, 1976 (70 ref.)

Photosensitized splitting of thymine dimers in DNA by gene 32 protein from phage T 4. Helene C, et al. **Biochem Biophys Res Commun** 71(1):91–8, 12 Jul 76

Protein–SV40 DNA complex stable in high salt and sodium dodecyl sulfate. Kasamatsu H, et al. **Biochem Biophys Res Commun** 68(3):927–36, 9 Feb 76

Effect of membrane protein on lipid bilayer structure: a spin–label electron spin resonance study of vesicular stomatitis virus. Landsberger FR, et al. **Biochemistry** 15(11):2356–60, 1 Jun 76

Chemical accessibility of tyrosyl and lysyl residues in turnip yellow mosaic virus capsids. Re GG, et al. **Biochemistry** 14(20):4492–7, 7 Oct 75

Solubilization of the Semliki Forest virus membrane with sodium deoxycholate. Helenius A, et al. **Biochim Biophys Acta** 436(2):319–34, 17 Jun 76

Semlike Forest virus membrane proteins. Preparation and characterization of spike complexes soluble in detergent–free medium. Helenius A, et al. **Biochim Biophys Acta** 436(4):895–9, 15 Jul 76

Structure and immunogenic behaviour of methylated tobacco mosaic virus. Staab HJ, et al. **Biochim Biophys Acta** 427(2):453–64, 14 Apr 76

The fine structure and the protein composition of gamma phage of Bacillus anthracis. Watanabe T, et al. **Can J Microbiol** 21(11):1889–92, Nov 75

Location and identification of the genes for adenovirus type 2 early polypeptides. Lewis JB, et al. **Cell** 7(1):141–51, Jan 76

Bacillus subtilis phage phi29. Characterization of gene products and functions. Carrascosa JL, et al. **Eur J Biochem** 66(2):229–41, 1 JUL 76

Enzymic and molecular properties of base–plate parts of bacteriophage P22. Iwashita S, et al. **Eur J Biochem** 65(1):87–94, 17 May 76

Interactions of KB–cell glycoproteins with an adenovirus capsid protein. Meager A, et al. **Eur J Biochem** 61(2):345–53, 15 Jan 76

Circular–dichroism and absorption spectroscopic studies on specific aromatic residues involved in the different modes of aggregation of tobacco–mosaic–virus protein. Vogel D, et al. **Eur J Biochem** 61(2):423–31, 15 Jan 76

A study of the interaction of TMV protein with single– and double–stranded polynucleotides. Lanina TP, et al. **FEBS Lett** 67(2):167–70, 15 Aug 76

Enzymatic removal of the 5'–terminal methylated blocked structure of tobacco mosaic virus RNA and its effects on infectivity and reconstitution with coat protein. Ohno T, et al. **FEBS Lett** 67(2):209–13, 15 Aug 76

Equilibrium ultracentrifugation of polymers: a new method of data reduction with an application to TMV protein. Stevens CL. **FEBS Lett** 56(1):12–5, 1 Aug 75

Polarity of the RNA in the tobacco mosaic virus particle and the direction of protein stripping in sodium dodecyl sulphate. Wilson TM, et al. **FEBS Lett** 64(2):285–9, 1 May 76

Location of the T4 gene 32 protein binding site on polyoma virus DNA. Yaniv M, et al. **FEBS Lett** 57(2):126–9, 15 Sep 75

Polymerization of adenovirus proteins. pp. 451–63. Pereira HG, et al.
In: Mano EB, ed. Proceedings of the International Symposium on Macromolecules, Rio de Janeiro, 1974. Amsterdam, Elsevier, 1975. QU 55 I643p 1974. (35 ref.)

Gel filtration and related studies on the reconstitution of bacteriophage T4. Sharma SC, et al. **Indian J Biochem Biophys** 12(3):233–7, Sep 75

In vitro radiolabeling procedure which labels the proteins of Newcastle disease virions with carbon–14. McMillen J, et al. **Infect Immun** 12(6):1411–4, Dec 75

Crystalline arrays of nucleocapsids in Sindbis virus–infected L cells. Wagner B, et al. **Intervirology** 5(1–2):103–7, 1975

Structural polypeptides of mammalian type C RNA viruses. Isolation and immunologic characterization of a low molecular weight polypeptide, p10. Barbacid M, et al. **J Biol Chem** 251(16):4859–66, 25 Aug 76

The gamma protein specified by bacteriophage gamma. Structure and inhibitory activity for the recBC enzyme of Escherichia coli. Karu AE, et al. **J Biol Chem** 250(18):7377–87, 25 Sep 75

Amino acid sequence homology of mammalian type C RNA virus major internal proteins. Oroszlan S, et al. **J Biol Chem** 250(16):6232–9, 25 Aug 75

Proposed nomenclature for alphavirus polypeptides. **J Gen Virol** 30(2):273, Feb 76

Use of a transfection method to demonstrate a monolayer cell transforming agent from the EB3 line of Burkitt's lymphoma cells. Al–Moslih MI, et al. **J Gen Virol** 31(3):331–45, Jun 76

Demonstration of a core in poliovirus particles by electron microscopy. Boublik M, et al. **J Gen Virol** 31(3):447–9, Jun 76

An image analysis study of adenovirus type 5–induced crystalline inclusions. Carstens EB, et al. **J Gen Virol** 29(3):249–56, Dec 75

Characteristics of the major internal protein and RNA–dependent DNA polymerase of bovine leukaemia virus. Gilden RV, et al. **J Gen Virol** 29(3):305–14, Dec 75

Electron microscopy of adenovirus cores. Nermut MV, et al. **J Gen Virol** 28(1):49–58, Jul 75

An improved assay for feline leukaemia virus pseudotypes of murine sarcoma virus. Russell PH, et al. **J Gen Virol** 31(1):139–43, Apr 76

Bacteriophage MX–1: properties of the phage and its structural proteins. Tsopanakis C, et al. **J Gen Virol** 30(1):99–112, Jan 76

Three–dimensional image reconstructions of the contractile tail of T4 bacteriophage. Amos LA, et al. **J Mol Biol** 99(1):51–64, 25 Nov 75

Electron microscopic study of the repressor of bacteriophage lambda and its interaction with operator DNA. Brack C, et al. **J Mol Biol** 96(1):139–52, 25 Jul 75

Studies of the self–association of bacteriophage T4 gene 32 protein by equilibrium sedimentation. Carroll RB, et al. **J Mol Biol** 91(3):275–91, 25 Jan 75

The isolation of a dimer of gene 8 protein of bacteriophage fd. Cavalieri SJ, et al. **J Mol Biol** 102(4):713–22, 25 Apr 76

Gene 5 protein of bacteriophage fd: a dimer which interacts co–operatively with DNA. Cavalieri SJ, et al. **J Mol Biol** 102(4):697–711, 25 Apr 76

Assembly of the head of bacteriophage P22: x–ray diffraction from heads, proheads and related structures. Earnshaw W, et al. **J Mol Biol** 104(2):387–410, 25 Jun 76

Primary structure of bacteriophage T4 internal protein II and characterization of the cleavage upon phage maturation. Isobe T, et al. **J Mol Biol** 102(2):349–65, 5 Apr 76

A new helical aggregate of tobacco mosaic virus protein. Mandelkow E, et al. **J Mol Biol** 102(2):265–85, 5 Apr 76

Model for the capsid structure of alfalfa mosaic virus. Mellema JE. **J Mol Biol** 94(4):643–8, 5 Jun 75

Head length determination in bacteriophage T4: the role of the core protein P22. Paulson JR, et al. **J Mol Biol** 103(1):155–74, 5 May 76

Letter: Hysteresis of proton binding to tobacco mosaic virus protein associated with metastable polymerization. Scheele RB, et al. **J Mol Biol** 94(3):519–25, 25 May 75

States of aggregation of the dahlemense strain of tobacco mosaic virus protein and their relation to crystal formation. Sperling R, et al. **J Mol Biol** 96(3):425–30, 15 Aug 75

Bacteriophage T4 polyheads: crystallographic and geometrical conventions. Steven AC. **J Mol Biol** 102(3):400–7, 15 Apr 76

Folding and capsomere morphology of the P23 surface shell of bacteriophage T4 polyheads from mutants in five different head genes. Steven AC, et al. **J Mol Biol** 102(3):373–400, 15 Apr 76

Studies of virus structure by laser–Raman spectroscopy. II. MS2 phage, MS2 capsids and MS2 RNA in aqueous solutions. Thomas GJ Jr, et al. **J Mol Biol** 102(1):103–24, 25 Mar 76

Secondary structure change of bacteriophage T4 sheath protein during sheath contraction. Venyaminov SY, et al. **J Mol Biol** 98(4):657–64, 15 Nov 75

Different arrangements of protein subunits and single–stranded circular DNA in the filamentous bacterial viruses fd and Pf1. Wiseman RL, et al. **J Mol Biol** 102(3):549–61, 15 Apr 76

Adenovirus assembly: self–assembly of partially digested hexons. Boulanger PA. **J Virol** 16(6):1678–82, Dec 75

Intermediates in adenovirus assembly. Edvardsson B, et al. **J Virol** 19(2):533–47, Aug 76

Purification and properties of bacteriophage phi X 174 gene D product. Farber MB. **J Virol** 17(3):1027–37, Mar 76

Relationships among the polypeptides of Newcastle disease virus. Hightower LE, et al. **J Virol** 16(6):1599–607, Dec 75

Bacteriophage P22 virion protein which performs an essential early function. II. Characterization of the gene 16 function. Hoffman B, et al. **J Virol** 16(6):1547–59, Dec 75

Isolation and characterization of an extremely basic protein from adenovirus type 5. Hosokawa K, et al. **J Virol** 17(3):924–34, Mar 76

Purification and serological characterization of the major envelope glycoprotein from AKR murine leukemia virus and its reactivity with autogenous immune sera from mice. Ihle JN, et al. **J Virol** 17(3):727–36, Mar 76

Role of the bacteriophage P22 tail in the early stages of infection. Israel V. **J Virol** 18(1):361–4, Apr 76

Gene 32 protein of bacteriophage T4 moderates the activities of the T4 gene 46/47–controlled nuclease and of the Escherichia coli RecBC nuclease in vivo. Mosig G, et al. **J Virol** 17(3):756–61, Mar 76

Morphogenesis of bacteriophage phi 29 of Bacillus subtilis: preliminary isolation and characterization of intermediate particles of the assembly pathway. Nelson RA, et al. **J Virol** 19(2):518–32, Aug 76

Partial purification and properties of a bacteriophage T7 inhibitor of the host exonuclease V activity. Pacumbaba R, et al. **J Virol** 16(5):1200–7, Nov 75

Method for the isolation of bacteriphage T4 mutants that produce particles with giant capsids. Paietta JV, et al. **J Virol** 18(2):785–7, May 76

Escherichia coli capsule bacteriophages. VIII. Fragments of bacteriophage 28–1. Rieger D, et al. **J Virol** 17(3):859–64, Mar 76

Sonic fragility of the head–tail bond of bacteriophage P22. Ruddel M, et al. **J Virol** 17(2):675–7, Feb 76

Surface structure of Uukuniemi virus. von Bonsdorff CH, et al. **J Virol** 16(5):1296–307, Nov 75

Radioisotopic labeling of human papovavirus (BK) by iodination and reductive alkylation. Wright PJ, et al. **J Virol** 19(2):750–5, Aug 76

Masking of some charged groups in a protein with beta–structure. Egawa K. **Jpn J Exp Med** 45(2):117–21, Apr 75

Entropy–driven processes in biology. Lauffer MA. **Mol Biol Biochem Biophys** (20):1–264, 1975 (358 ref.)

Stimulation in trans of synthesis of E. coli gal operon enzymes by lambdoid phages during low catabolite repression. Petit–Koskas E, et al. **Mol Gen Genet** 143(2):203–9, 16 Jan 76

Studies on bacteriophage T7 DNA synthesis in vitro. II. Reconstitution of the T7 replication system using purified proteins. Scherzinger E, et al. **Mol Gen Genet** 141(3):233–49, 1 Dec 75

The structure of the protein disk of tobacco mosaic virus to 5A resolution. Champness JN, et al. **Nature** 259(5538):20–4, 1–8 Jan 76

Complete nucleotide sequence of bacteriophage MS2 RNA: primary and secondary structure of the replicase gene. Fiers W, et al. **Nature** 260(5551):500–7, 8 Apr 76

Model for arrangement of minor structural proteins in head of bacteriophage lambda. Murialdo H, et al. **Nature** 257(5529):815–7, 30 Oct 75

Evidence for a major conformational change of coat protein in assembly of fl bacteriophage. Nozaki Y, et al. **Nature** 259(5541):335–7, 29 Jan 76

Sequence of promoter for coat protein gene of bacteriophage fd. Takanami M, et al. **Nature** 260(5549):297–302, 25 Mar 76

Induced formation of covalent bonds between nucleoprotein components. V. UV or bisulfite induced polynucleotide–protein crosslinkage in bacteriophage MS2. Budowsky EI, et al. **Nucleic Acids Res** 3(1):261–76, Jan 76

Preparation and properties of a novel influenza subunit vaccine. Bachmayer H, et al. **Postgrad Med J** 52(608):360–7, Jun 76

Preparation and immunogenicity of a purified influenza virus haemagglutinin and neuraminidase subunit vaccine. Laver

WG, et al. **Postgrad Med J** 52(608):373–8, Jun 76

Quasi-elastic behavior of solutions of viral capsid and RNA at very low shearing stresses. Hodgins MG, et al. **Proc Natl Acad Sci USA** 72(9):3501–4, Sep 75

Isolation and characterization of the protein coded by gene A of bacteriophage phiX174 DNA. Ikeda JE, et al. **Proc Natl Acad Sci USA** 73(8):2669–73, Aug 76

Structure of a nicked DNA-protein complex isolated from simian virus 40: covalent attachment of the protein to DNA and nick specificity. Kasamatsu H, et al. **Proc Natl Acad Sci USA** 73(6):1945–9, Jun 76

Asymmetric orientation of a phage coat protein in cytoplasmic membrane of Escherichia coli. Wickner W. **Proc Natl Acad Sci USA** 72(12):4749–53, Dec 75

Asymmetric orientation of phage M13 coat protein in Escherichia coli cytoplasmic membranes and in synthetic lipid vesicles. Wickner W. **Proc Natl Acad Sci USA** 73(4):1159–63, Apr 76

Isolation, purification and characterization of polypeptides of influenza and parainfluenza viruses. II. Polypeptides of parainfluenza virus type 1 (Sendai). Popa LM, et al. **Rev Roum Virol** 25(4):337–42, 1974

Intracytoplasmic uncoated capsids of human cytomegalovirus. Kimura A, et al. **Tohoku J Exp Med** 119(3):223–36, Jul 76

Oncornavirus-like protein expression in human prostatic tissue. Seal E JR, et al. **Urol Res** 4(1):23–7, 21 Apr 76

Specificity of protein—RNA and protein—protein interaction upon assembly of TMV in vivo and in vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75

Studies on Lumbo virus replication. II. Properties or viral ribonucleoproteins and characterization of messenger RNAs. Bouloy M, et al. **Virology** 71(2):363–70, Jun 76

The assembly of papaya mosaic virus protein. Erickson JW, et al. **Virology** 72(2):514–7, 15 Jul 76

Structural proteins of adenoviruses. XII. Location and neighbor relationship among proteins of adenovirion type 2 as revealed by enzymatic iodination, immunoprecipitation and chemical cross-linking. Everitt E, et al. **Virology** 67(1):197–208, Sep 75

Structural proteins of adenoviruses. XII. Location and neighbor relationship among proteins of adenovirion type 2 as revealed by enzymatic lodination, immunoprecipitation and chemical cross-linking. Everitt E, et al. **Virology** 67(1):197–208, Sep 75

The role of top particles in recombination of some characters of tobacco streak virus. Fulton RW. **Virology** 67(1):188–96, Sep 75

The role of top particles in recombination of some characters of tobacco streak virus. Fulton RW. **Virology** 67(1):188–96, Sep 75

Nucleic acid components of citrus variegation virus and their activation by coat protein. Gonsalves D, et al. **Virology** 67(2):311–8, Oct 75

Infectivity of heterologous RNA-protein mixtures from alfalfa mosaic, citrus leaf rugose, citrus variegation, and tobacco streak viruses. Gonsalves D, et al. **Virology** 67(2):319–26, Oct 75

Reconstitution of potato virus X in vitro. I. Properties of the dissociated protein structural subunits. Goodman RM. **Virology** 68(2):287–98, Dec 75

Reconstruction of potato virus X in vitro. II. Characterization of the reconstituted product. Goodman RM, et al. **Virology** 68(2):299–308, Dec 75

Recognition and measurement of small isometric virus particles in thin sections. Hatta T. **Virology** 69(1):237–45, Jan 76

Isolation and characterization of vaccinia virus 'nucleoids'. Holowczak JA, et al. **Virology** 67(2):506–19, Oct 75

The structure of tubular head forms of bacteriophage lambda; relation to the capsid structure of petit lambda and normal lambda heads. Howatson AF, et al. **Virology** 67(1):80–4, Sep 75

The structure of tubular head forms of bacteriophage lambda; relation to the capsid structure of petit lambda and normal lambda heads. Howatson AF, et al. **Virology** 67(1):80–4, Sep 75

Host-range mutant of fowl plague virus (FPV): comparison of the genome and virus proteins. Israel A et al. **Virology** 68(2):503–9, Dec 75

Structure of products of protein reassembly and reconstruction of potato virus X. Kaftanova AS, et al. **Virology** 67(1):283–7, Sep 75

Structure of products of protein reassembly and reconstruction of potato virus X. Kaftanova AS, et al. **Virology** 67(1):283–7, Sep 75

Influenza virus recombination. I. Matrix protein markers and segregation during mixed infections. Laver WG, et al. **Virology** 70(1):105–17, Mar 76

Intracellular visualization of precursor capsids in phage P22 mutant infected cells. Lenk E, et al. **Virology** 68(1):182–99, Nov 75

Identification of infectious virions which are vesicular stomatitis virus pseudotypes of murine type C virus. Livingston DM, et al. **Virology** 70(2):432–9, Apr 76

Prunus necrotic ringspot virus as a multicomponent system. Loesch LS, et al. **Virology** 68(1):71–8, Nov 75

Preparation and characterisation of a subviral particle of vaccinia virus containing the DNA-dependent RNA polymerase activity. McCrae MA, et al. **Virology** 68(1):234–44, Nov 75

Self-assembly of protein from a filexuous virus. McDonald JG, et al. **Virology** 69(1):327–31, Jan 76

Isolation and characterization of the nonglycosylated membrane protein and a nucleocapsid complex from the paramyxovirus SV5. McSharry JJ, et al. **Virology** 67(2):365–74, Oct 75

Stable dimers of the coat protein of a strain of tobacco mosaic virus. Oxelfelt P. **Virology** 69(1):346–9, Jan 76

Influenza virus messenger ribonucleoprotein. Pons MW. **Virology** 67(1):209–18, Sep 75

Isolation and characterization of adenovirus type 12 DNA binding proteins. Rosenwirth B, et al. **Virology** 67(1):14–23, Sep 75

Tail—DNA connection and chromosome structure in bacteriophage T5. Saigo K. **Virology** 68(1):154–65, Nov 75

The smallest protein of Sendi virus: its candidate function of binding nucleocaspsid to envelope. Shimizu K, et al. **Virology** 67(2):427–37, Oct 75

The role of the genes imm and s in the development of immunity against T4 ghosts and exclusion of superinfecting phage in Escherichia coli infected with T4. Vallée M, et al. **Virology** 67(1):219–33, Sep 75

The role of the genes imm and s in the development of immunity against T4 ghosts and exclusion of superinfecting phage in Escherichia coli infected with T4. Vallée M, et al. **Virology** 67(1):219–33, Sep 75

Studies on the structure of reovirus cores: selective removal of polypeptide lambda 2. White CK, et al. **Virology** 70(1):171–80, Mar 76

Membrane (M) protein of HVJ (Sendai virus): its role in virus assembly. Yoshida T, et al. **Virology** 71(1):143–61, May 76

Lambda head morphogenesis as seen in the electron microscope. Zachary A, et al. **Virology** 72(2):429–42, 15 Jul 76

[Isoelectric variants of the principal polypeptide (p 30) of different strains of murine oncornaviruses] Chuat JC, et al. **C R Acad Sci [D] (Paris)** 281(14):1051–4, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Circular ribonucleoproteins in the virus Lumbo (Bunyavirus)] Samso A, et al. **C R Acad Sci [D] (Paris)** 280(6):779–82, 10 Feb 75 (Eng. Abstr.) **(Fre)**

[Trypsin peptides of the polyhedral protein from the B. mori virus of nuclear polyhedrosis] Levitina TL, et al. **Biokhimiia** 41(2):228–36, Feb 76 (Eng. Abstr.) **(Rus)**

[Structure of bacteriophage T2 capsid] Andreev VM, et al. **Dokl Akad Nauk SSSR** 224(3):701–3, 21 Sep 75 **(Rus)**

[Cooperative binding of the protein of gene 32 of phage T4 with single-stranded DNA] Torskii SP, et al. **Dokl Akad Nauk SSSR** 227(3):759–62, 21 Mar 76 **(Rus)**

[Unfragmented nucleocapsid of influenza virus in infected cells] Bukrinskaia AG, et al. **Vopr Virusol** (6):725–32, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electrophoretic separation and characterization of subunits released from influenza virus by detergents. Russ G, et al. **Acta Virol (Praha)** 20(1):1–8, Feb 76

Acidic cleavage of the aspartyl–proline band and the limitations of the reaction. Jauregui-Adell J, et al. **Anal Biochem** 69(2):468–73, Dec 75

Similarities and differences between viruses with a tripartite genome. Vloten-Doting LV. **Ann Microbiol (Paris)** 127A(1):119–29, Jan 76

Differences between BK virus and simian virus 40 structural proteins analysed by isoelectric focusing. Barbanti-Brodano G, et al. **Arch Virol** 51(1–2):163–7, 1976

The polypeptide composition of avian infectious bronchitis virus. Bingham RW. **Arch Virol** 49(2–3):207–16, 1975

Structural polypeptides of California encephalitis virus: BFS–283. White AB. **Arch Virol** 49(2–3):281–90, 1975

Biochemical properties of wild mouse oncornaviruses with lymphomagenic and neurotropic activities. Roy-Burman P, et al. **Bibl Haematol** (40):627–37, 1975

Isolation of coliphage lambda ghosts able to adsorb onto bacterial cells. Konopa G, et al. **Biochim Biophys Acta** 399(2):460–7, 13 Aug 75

Location of the cistron of the tobacco mosaic virus coat protein. Richards KE, et al. **Biochimie** 57(6–7):749–55, 1975

Proteins of polyoma virus and SV40. Crawford LV. **Br Med Bull** 29(3):253–8, Sep 73

Distribution of viral glycoprotein gp 69/71 on cell surfaces of producer and nonproducer cells. Kennel SJ, et al. **Cancer Res** 36(1):200–8, Jan 76

Studies on herpes simplex virus and cancer. Melnick JL, et al. **Cancer Res** 36(2 pt 2):845–56, Feb 76

The relationship between group C adenovirus tumor antigen and the adenovirus single-strand DNA-binding protein. Levinson A, et al. **Cell** 7(4):575–84, Apr 76

Fingerprints of polyoma virus proteins and mouse histones. Fey G, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:235–41, 1975

Characterization of murine leukemia virus-specific proteins. Fleissner E, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1057–66, 1975

Vesicular stomatitis virus: structure and function of virion components. Emerson SU. **Curr Top Microbiol Immunol** 73:1–34, 1976 (162 ref.)

Structural studies on the coat protein of alfalfa mosaic virus. Isolation and characterization of the tryptic peptides and the alignment of the cyanogen-bromide fragments. Van Beynum GM, et al. **Eur J Biochem** 52(2):231–8, 17 Mar 75

The structural proteins by SV40 and polyoma virus. pp. 117–25. Hirt B.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

A major difference in the strategy of the calici- and picornaviruses and its significance in classification. Black D, et al. **Intervirology** 6(1):57–60, 1975–1976

Demonstration of infectious DNA in transformed cells. III. Correlation of detection of infectious DNA-protein complexes with persistence of virus in simian adenovirus SA7-induced tumor cells. Butel JS, et al. **Intervirology** 5(1–2):43–56, 1975

Polypeptide and RNA composition of the reticuloendotheliosis viruses. Maldonado RL, et al. **Intervirology** 5(3–4):194–204, 1975

Revision of estimates of the molecular weights of tobravirus coat proteins. Mayo MA, et al. **Intervirology** 5(6):313–8, 1975

Electrophoresis of the proteins of the nuclear polyhedrosis virus of Porthetria dispar. Padhi SB, et al. **Intervirology** 4(6):333–45, 1974

Biochemical properties of polyhedra and virus particles of the cytoplasmic polyhedrosis virus of Bombyx mori. Payne CC, et al. **Intervirology** 4(6):354–64, 1974

Gene V protein of fd bacteriophage. Dimer formation and the role of tyrosyl groups in DNA binding. Pretorius HT, et al. **J Biol Chem** 250(24):9262–9, 25 Dec 75

Structural proteins of ribonucleic acid tumor viruses. Purification of envelope, core, and internal components. Strand M, et al. **J Biol Chem** 251(2):559–64, 25 Jan 76

The surface nature of proteins of a bovine enterovirus, before and after neutralization. Carthew P. **J Gen Virol** 32(1):17–23, Jul 76

The polypeptide structure of transmissible gastroenteritis virus. Garwes DJ, et al. **J Gen Virol** 29(1):25–34, Oct 75

On the use of chloramine-T to iodinate specifically the surface proteins of intact enveloped viruses. Montelaro RC, et al. **J Gen Virol** 29(1):127–31, Oct 75

Virus-specific proteins associated with the replication complex of poliovirus RNA. Röder A, et al. **J Gen Virol** 28(1):85–98, Jul 75

Characterization of the minor polypeptides in the foot-and-mouth disease particle. Sangar DV, et al. **J Gen Virol** 31(1):35–46, Apr 76

Poliovirus proteins associated with the replication complex in infected cells. Wright PJ, et al. **J Gen Virol** 30(1):63–71, Jan 76

Association of dane particles with e antigen in the serum of asymptomatic carriers of hepatitis B surface antigen. Takahashi K, et al. **J Immunol** 117(1):102–5, Jul 76

Molecular organization of the shell of the Teven bacteriophage head. Ishii T, et al. **J Mol Biol** 97(4):655–60, 5 Oct 75

The structure of bacteriophage T4 gene 12 protein. Kells SS, et al. **J Mol Biol** 99(2):349–51, 5 Dec 75 (Eng. Abstr.)

Surface structure of in vitro assembled bacteriophage lambda polyheads. Wurtz M, et al. **J Mol Biol** 101(1):39–56, 15Feb 76

Deviations from compositional randomness in eukaryotic and prokaryotic proteins: the hypothesis of selective-stochastic stability and a principle of charge conservation. Holmquist R. **J Mol Evol** 4(4):277–306, 24 Mar 75

Sulfated components of enveloped viruses. Pinter A, et al. **J Urol** 16(4):859–66, Oct 75

Virus-induced proteins in pseudorabies-infected cells. II. Proteins of the virion and nucleocapsid. Stevely WS. **J Urol** 16(4):944–50, Oct 75

Simian virus 40-specific polypeptides in AD2+ ND1- and Ad2+ ND4-infected cells. Anderson CW, et al. **J Virol** 18(2):685–92, May 76

Identification of P48 and P54 as components of bacteriophage T4 baseplates. Berget PB, et al. **J Virol** 16(6):1669–77, Dec 75

Comparison of the virion proteins specified by herpes simplex virus types 1 and 2. Cassai EN, et al. **J Virol** 16(5):1327–31, Nov 75

Reovirus-specific polypeptides: analysis using discontinuous gel electrophoresis. Cross RK, et al. **J Virol** 19(1):162–73, Jul 76

Temperature-sensitive mutants of reovirus type 3: evidence for aberrant mu 1 and mu 2 polypeptide species. Cross RK, et al. **J Virol** 19(1):174–9, Jul 76

Low-molecular- weight Rauscher leukemia virus protein with preferential binding for single-stranded RNA and DNA. Davis J, et al. **J Virol** 18(2):709–18, May 76

Identification of a precursor protein to the major glycoproteins of mouse mammary tumor virus. Dickson C, et al. **J Virol** 17(1):275–82, Jan 75

Proteins of Epstein-Barr Virus. II. Electrophoretic analysis of the polypeptides of the nucleocapsid and the glucosamine- and polysaccharide-containing components of enveloped virus. Dolyniuk M, et al. **J Virol** 18(1):289–97, Apr 76

Proteins of Epstein-Barr virus. I. Analysis of the polypeptides of purified enveloped Epstein-Barr virus. Dolyniuk M, et al. **J Virol** 17(3):935–49, Mar 76

Enterovirus type 70 virion and intracellular proteins. Esposito JJ, et al. **J Virol** 18(3):1160–2, Jun 76

Fenger T Fenger T, et al. **J Virol** 18(2):757–64, May 76

Cytomegalovirus proteins. I. Polypeptides of virions and dense bodies. Fiala M, et al. **J Virol** 19(1):243–54, Jul 76

Viral DNA-synthesizing intermediate complex isolated during assembly of bacteriophage phi X174. Fujisawa H, et al. **J Virol** 19(2):409–15, Aug 76

Detection of adenovirus type 2-induced early polypeptides using cycloheximide pretreatment to enhance viral protein synthesis. Harter ML, et al. **J Virol** 19(1):232–42, Jul 76

Polypeptides of mumps virus. Jensik SC, et al. **J Virol** 17(2):363–73, Feb 76

Analysis of structural proteins of purified murine cytomegalovirus. Kim KS, et al. **J Virol** 17(3):906–15, Mar 76

Tryptic peptide analysis on nonstructural and structural precursor proteins from Semliki Forest virus mutant–infected cells. Lachmi BE, et al. **J Virol** 16(6):1615–29, Dec 75

Infective and noninfective hemagglutinating particles of Newcastle disease virus: biological and chemical characterization. LaMontagne JR, et al. **J Virol** 16(5):1191–9, Nov 75

Polyamines in vaccinia virions and polypeptides released from viral cores by acid extraction. Lanzer W, et al. **J Virol** 16(5):1254–64, Nov 75

Subunit structure of the glycoprotein complex of avian tumor virus. Leamnson RN, et al. **J Virol** 18(3):956–68, Jun 76

N–terminal amino acid sequences in the major capsid proteins of foot–and–mouth disease virus types A, O, and C. Matheka HD, et al. **J Virol** 16(5):1248–53, Nov 75

Microviscosity of togavirus membranes studied by fluorescence depolarization: influence of envelope proteins and the host cell. Moore NF, et al. **J Virol** 19(1):126–35, Jul 76

Oligosaccharide moieties of the glycoprotein of vesicular stomatitis virus. Moyer SA, et al. **J Virol** 18(1):167–75, Apr 76

Deletion mapping of moloney type C virus: polypeptide and nucleic acid expression in different transforming virus isolates. Parks WP, et al. **J Virol** 18(2):491–503, May 76

DNA–binding proteins induced by herpes simplex virus type 2 in HEp–2 cells. Purifoy DJ, et al. **J Virol** 19(2):717–31, Aug 76

Mason–Pfizer monkey virus: analysis and localization of virion proteins and glycoproteins. Schochetman G, et al. **J Virol** 16(5):1208–19, Nov 75

Virus–dependent glycosylation. Sefton BM. **J Virol** 17(1):85–93, Jan 75

Membrane proteins specified by herpes simplex viruses. I. Identification of four glycoprotein precursors and their products in type 1–infected cells. Spear PG. **J Virol** 17(3):991–1008, Mar 76

Human cytomegalovirus: glycoproteins associated with virions and dense bodies. Stinski MF. **J Virol** 19(2):594–609, Aug 76

Trichoplusia ni granulosis virus granulin: a phenol–soluble, phosphorylated protein. Summers MD, et al. **J Virol** 16(5):1108–16, Nov 75

Biochemical, biophysical, and biological properties of densonucleosis virus. I. Structural proteins Tijssen P, et al. **J Virol** 17(3):686–91, Mar 76

Characterization of adenovirus type 2 transcriptional complexes isolated from infected HeLa cell nuclei. Wilhelm J, et al. **J Virol** 19(1):61–81, Jul 76

Properties of Semliki Forest virus nucleocapsid. Söderlund H, et al. **Med Biol** 53(5):412–7, Oct 75 (35 ref.)

Relationship between the oncornavirus gene product gp70 and a major protein secretion of the mouse genital tract. Del Villano BC, et al. **Nature** 259(5543):497–9, 12 Feb 76

Further x–ray studies of nuclear–polyhedrosis inclusions. Engström A, et al. **Naturwissenschaften** 63(2):91–2, Feb 76

Monomer molecular weight of T antigen from simian virus 40–infected and transformed cells. Carroll RB, et al. **Proc Natl Acad Sci USA** 73(7):2254–8, Jul 76

A fucose–deficient glycoprotein precursor to Rauscher leukemia virus gp69/71. Naso RB, et al. **Proc Natl Acad Sci USA** 73(7):2326–30, Jul 76

Herpes simplex virus proteins: DNA–binding proteins in infected cells and in the virus structure. Bayliss GJ, et al. **Virology** 68(1):124–34, Nov 75

The maize rough dwarf virion. I. Protein composition and distribution of RNA in different viral fractions. Boccardo G, et al. **Virology** 68(1):79–85, Nov 75

The polypeptides of adenovirus. VII. Further studies of early polypeptides in vivo and localization of E2 and E2A to the cell plasma membrane. Chin WW, et al. **Virology** 71(2):518–30, Jun 76

Comparative studies of two viroids: analysis of potato spindle tuber and citrus exocortis viroids by RNA fingerprinting and polyacrylamide–gel electrophoresis. Dickson E, et al. **Virology** 68(2):309–16, Dec 75

Degradation of matrix protein from a nuclear–polyhedrosis virus of Trichoplusia ni by an endogenous protease. Eppstein DA, et al. **Virology** 67(2):591–4, Oct 75

A pseudorabies virus–specific sulfated moiety. Erickson JS. **Virology** 71(2):598–601, Jun 76

RNA and proteins of the Kirsten sarcoma–xenotropic leukemia virus complex propagated in rat and duck cells. Galehouse DM, et al. **Virology** 70(1):97–104, Mar 76

A peptide comparison of proteins in the simian virus 40 virion. Gibson W. **Virology** 68(2):539–43, Dec 75

Reconstitution of potato virus X in vitro. I. Properties of the dissociated protein structural subunits. Goodman RM. **Virology** 68(2):287–98, Dec 75

Characterization of two morphologically distinct top component a particles from alfalfa mosaic virus. Heijtink RA, et al. **Virology** 69(1):75–80, Jan 76

Capsid protein heterogeneity in turnip mosaic virus. Hiebert E, et al. **Virology** 70(1):144–50, Mar 76

The coat proteins of cauliflower mosaic virus. Hull R, et al. **Virology** 70(1):217–20, Mar 76

Proteins of Rauscher murine leukemia virus: resolution of a 70,000–dalton, Nonglycosylated polypeptide containing p30 peptide sequences. Jamjoom G, et al. **Virology** 68(1):135–45, Nov 75

Evidence for a glycoprotein in reovirus. Krystal G, et al. **Virology** 72(2):308–21, 15 Jul 76

Observations on the membrane organization of standard and incomplete influenza grown in MDBK cells. Lenard J, et al. **Virology** 71(2):389–94, Jun 76

Identification of early proteins coded by bacteriophage P22. Lew K, et al. **Virology** 68(2):525–33, Dec 75

Investigation of the structure of polio– and human rhinovirions through the use of selective chemical reactivity. Lonberg–Holm K, et al. **Virology** 71(1):207–16, May 76

The adsorption protein in mini M13 phages. Marco R. **Virology** 68(1):280–3, Nov 75

Evidence that gene VII is not the distal portion of gene V of phage f1. Mazur BJ, et al. **Virology** 68(1):284–5, Nov 75

Analysis of alfalfa mosaic virus 17 S RNA translational products. Mohier E, et al. **Virology** 71(2):615–8, Jun 76

Influenza virus messenger ribonucleoprotein. Pons MW. **Virology** 67(1):209–18, Sep 75

Polypeptide components of wound tumor virus. Reddy DV, et al. **Virology** 70(2):274–82, Apr 76

Tryptic fingerprint analysis of adenovirus types 2, 5 and 12 DNA–Binding proteins. Rosenwirth B, et al. **Virology** 69(2):617–25, Feb 76

Polypeptides of the mouse mammary tumor virus. II. Identification of two major glycoproteins with the viral structure. Sarkar NH, et al. **Virology** 69(2):677–90, Feb 76

Extrinsic labeling of MuMTV with a galactose oxidase–tritiated borohydride method. Sheffield JB, et al. **Virology** 70(1):247–50, Mar 76

Amino acid composition of three immunological types of a calicivirus, San Miguel sea lion virus. Soergel ME, et al. **Virology** 72(2):527–9, 15 Jul 76

Proteins of herpesvirus type 2: I. Virion, nonvirion, and antigenic polypeptides in infected cells. Strnad BC, et al. **Virology** 69(2):438–52, Feb 76

Respiratory syncytial virus proteins. Wunner WH, et al. **Virology** 73(1):228–43, Aug 76

Virus–specific precursor polypeptides in cells infected with Rauscher leukemia virus. Zaanie D, et al. **Virology** 67(2):544–52, Oct 75

The structural proteins of equine arteritis virus. Zeegers JJ, et al. **Virology** 73(1):200–5, Aug 76

Structure of the Mengo virion. IV. Amino– and carboxyl–terminal analyses of the major capsid polypeptides. Ziola BR, et al. **Virology** 71(1):111–21, May 76

Structural proteins of human cytomegalovirus. Edwards RL. **Yale J Biol Med** 49(1):65–6, Mar 76

[Specific poliovirus proteins in infected Hela cells] Vanden Berghe DA. **Arch Int Physiol Biochim** 83(5):1008–9, Dec 75 **(Dut)**

[Demonstration, stabilization and purification of an intracapsid nucleoprotein structure of Baculovirus of Oryctes rhinoceros L] Monsarrat P, et al. **C R Acad Sci [D] (Paris)** 281(19):1439–42, 10 Nov 75 **(Fre)**

[Structure of the foot–and–mouth disease virus. 2. Various physical and chemical properties of the 12S components] Liebermann H, et al. **Arch Exp Veterinaermed** 29(2):253–64, 1975 (Eng. Abstr.) **(Ger)**

[Electrophoretic profile of thermostable and thermoresistant Herpesvirus proteins] Cassai E, et al. **Ann Sclavo** 17(2):219–21, Mar–Apr 75 **(Ita)**

[Protein composition of bacteriophage T4D base plates] Volkova RA, et al. **Dokl Akad Nauk SSSR** 225(2):442–5, 11 Nov 75 **(Rus)**

[Protein composition of contracted sheathes of bacteriophage T2L] Volkova TP, et al. **Dokl Akad Nauk SSSR** 228(3):737–40, 21 Jun 76 **(Rus)**

[Release of DNA from Sd phage in a protein complex] Dobrov EN, et al. **Vopr Virusol** (4):418–24, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Study of structural proteins of cyanophage LPP–1A] Nesterova NV, et al. **Mikrobiol Zh** 37(5):606–9, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Glycoprotein nature of the capsid proteins of certain enteroviruses] Shirobokov VP, et al. **Mikrobiol Zh** 36(2):177–80, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

Proceedings: In vitro translation of tobacco rattle virus RNA. Fritsch C, et al. **Ann Microbiol (Paris)** 127A(1):93–5, Jan 76

Transitional control in Semliki forest virus infected cells. Kääriäinen L, et al. **Ann Microbiol (Paris)** 127A(1):197–203, Jan 76

Proceedings: The cowpea strain of TMV is a pseudo–multicomponent virus. Zaitlin M, et al. **Ann Microbiol (Paris)** 127A(1):37–8, Jan 76

Inhibition of herpesvirus deoxyribonucleic acid and protein synthesis by tilorone hydrochloride. Katz E, et al. **Antimicrob Agents Chemother** 9(1):189–95, Jan 76

Membrane protein biosynthesis in T5 bacteriophage–infected Escherichia coli. Duckworth DH, et al. **Arch Biochem Biophys** 172(2):319–28, Feb 76

SV40 induced polypeptides in infected and transformed cells. Ho L, et al. **Arch Virol** 48(4):327–33, 1975

The synthesis of herpes simplex virus proteins in the absence of virus DNA synthesis. Powell KL, et al. **Biochem Biophys Res Commun** 66(1):262–71, 2 Sep 75

Viral protein synthesis during replication of bacteriophage T1. Toni M, et al. **Biochem Biophys Res Commun** 68(2):545–52, 26 Jan 76

Synthesis of viral proteins by the avian myeloblastosis viral core component. Mendelson IS. **Biochim Biophys Acta** 407(4):442–8, 4 Nov 75

Biosynthesis of plasma membrane components by SV40–virus–transformed 3T3 mouse cells temperature sensitive for expression of some transformed cell properties. Shopsis C, et al. **Biochim Biophys Acta** 433(1):101–17, 16 Apr 76

Ribosome binding to reovirus mRNA in protein synthesis requires 5' terminal 7–methylguanosine. Both GW, et al. **Cell** 6(2):185–95, Oct 75

Initiation sites for translation of sindbis virus 42S and 26S messenger RNAs. Cancedda R, et al. **Cell** 6(2):215–22, Oct 75

Viral gene functions expressed and detected by temperature–sensitive mutants of herpes simplex virus. Benyesh–Melnick M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:731–46, 1975

Synthesis of avian RNA tumor virus structural proteins. Eisenman R, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1067–75, 1975

Virion proteins of polyoma temperature–sensitive mutants: late mutants. Friedmann T, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:243–6, 1975

Properties of oncornavirus RNA–directed DNA polymerase, the RNA template, and the intracellular products formed early during infection and cell transformation. Green M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:975–85, 1975

The origin and destiny of adenovirus proteins. Lewis JB, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:581–90, 1975

Regulation of herpesvirus macromolecular synthesis: evidence for multilevel regulation of herpes simplex 1 RNA and protein synthesis. Roizman B, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:687–701, 1975

Early events in adenovirus–infected cells. Russell WC. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:551–7, 1975

Structural proteins of RNA tumor viruses as probes for viral gene expression. Strand M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1109–16, 1975

Genetic control of the expression of murine leukemia virus proteins in tissues of normal, young adult mice. Strand M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1117–22, 1975

Altered patterns of protein synthesis in infection by SV40 mutants. Tegtmeyer P. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:9–15, 1975

Simultaneous translation of structural and nonstructural proteins from Semliki–forest–virus RNA in two eukaryotic systems in vitro. Glanville N, et al. **Eur J Biochem** 64(1):167–75, 15 Apr 76

Protein synthesis during aging of human cells in culture. Direction by polio virus. Pitha J, et al. **Exp Cell Res** 94(2):310–4, Sep 75

Regulation of enzyme synthesis in vitro by a factor bound to ribosomes. Hirth KP, et al. **FEBS Lett** 66(1):58–9, 1 Jul 76

The post–translational processing of Semliki forest virus structural polypeptides in puromycin treated cells. Söderlund H. **FEBS Lett** 63(1):56–8, 15 Mar 76

On the nature of cis–acting regulatory proteins and genetic organization in bacteriophage: the example of gene Q of bacteriophage lambda. Echols H, et al. **Genetics** 83(1):5–10, May 76

Genetic expression of mammalian RNA tumor viruses. pp. 1–34. Strand M, et al. **In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.** (76 ref.)

In vitro study of vaccinia virus–induced shut–off of host protein synthesis. pp. 355–61. Ben–Hamida F, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Translation of TYMV RNA in a wheat germ cell–free system. pp. 189–95. Benicourt C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Detection of two initiation sites utilized during translation of poliovirus RNA in vitro. pp. 245–53. Celma ML, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Synthesis of the structural proteins of Semliki forest virus. pp. 255–8. Clegg C, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Cell–free translation products of early RNA from adenovirus type 2–infected KB cells. pp. 299–304. Eron L, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**

Synthesis in vitro of mRNA by RNA polymerase induced in VSV–infected L cells and translation of the mRNA species into viral proteins. pp. 259–64. Ghosh HP, et al.

In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of Semliki forest virus RNAs in vivo and in vitro. pp. 265–72. Kääriäinen L, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The RNAs of brome mosaic virus and their translation in cell-free extracts derived from wheat embryo. pp. 205–10. Kaesberg P.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of tobacco mosaic virus RNA and isolation of the messenger for TMV coat protein. pp. 211–6. Knowland J, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Newcastle disease virus protein synthesis. pp. 281–9. Morrison TG, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The cell-free translation of early and late classes of SV40 messenger RNA. pp. 305–12. Prives C, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

In vitro synthesis of adenovirus type 2 early proteins. pp. 325–30. Saborio J, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Cell-free synthesis of polyoma and SV40 viral proteins. pp. 331–8. Smith AE, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Translation of alfalfa mosaic virus RNAs in plant cell and mammalian cell extracts. pp. 225–32. Thang MN, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Cell-free synthesis of RNA tumor virus proteins. pp. 339–43. Vecchio G, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Stability of avian oncornavirus precursor protein in a line of RSV-transformed hamster cells. pp. 303–10. Eisenman R, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

The cell free translation of purified simian virus 40 messenger RNA. pp. 127–39. Prives C.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Herpes simplex virus: aspects of structure and regulation of viral RNA and protein synthesis. pp. 355–95. Roizman B.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973. (51 ref.)

Differential synthesis of proteins by T4 phage & its head protein amber mutant. Devare SG, et al.
Indian J Biochem Biophys 12(2):145–52, Jun 75

Cyclic appearance of defective interfering particles of herpes simplex virus and the concomitant accumulation of early polypeptide VP175. Murray BK, et al. **Intervirology** 5(3–4):173–84, 1975

DNA replication in SV40-infected cells. XI. The properties of SV40 DNA and nucleoprotein complex synthesized in the presence of cycloheximide. Sen A, et al.
Intervirology 5(3–4):122–36, 1975

Proceedings: Purification and translation of mRNA coding for SV40 proteins. Prives C, et al. **Isr J Med Sci** 11(11):1206, Nov 75

Proceedings: Evidence for a protein synthesis requirement early in the infectious cycle of the murine sarcoma-leukemia virus. Salzberg S, et al.
Isr J Med Sci 11(11):1211, Nov 75

Assembly of tobacco mosaic virus in vitro. Improved model for the elongation process by protein subunits. Okada Y, et al. **J Biochem (Tokyo)** 77(6):1157–63, Jun 75

Site of synthesis of membrane and nonmembrane proteins of vesicular stomatitis virus. Morrison TG. **J Biol Chem** 250(17):6955–62, 10 Sep 75

Proteins of Friend leukemia cells. Comparison of hemoglobin-synthesizing and noninduced populations. Peterson JL, et al. **J Biol Chem** 251(2):555–8, 25 Jan 76

Temperature-sensitive mutants of type 12 adenovirus defective in a late function: protein synthesis and evidence for recombination between mutants in complementation group D. Ledinko N. **J Gen Virol** 30(1):153–6, Jan 76

Control of protein synthesis in herpesvirus-infected cells: analysis of the polypeptides induced by wild type and sixteen temperature-sensitive mutants of HSV strain 17. Marsden HS, et al. **J Gen Virol** 31(3):347–72, Jun 76

Transcriptional control of T4 coliphage-specific genes 30, 42, 43, rIIA, rIIB, and e. Witmer H, et al. **J Gen Virol** 31(3):289–302, Jun 76

Enhancement of polysome formation and protein synthesis in Sendai virus-infected cells. Zaides VM, et al.
J Gen Virol 31(2):193–7, May 76

Assembly of vesicular stomatitis virus glycoprotein and matrix protein into HeLa cell plasma membranes. Atkinson PH, et al. **J Mol Biol** 102(3):613–31, 15 Apr 76

Construction in vitro of mutants of simian virus 40: insertion of a poly(dA-dT) segment at the Hemophilus parainfluenza II restriction endonuclease cleavage site. Carbon J, et al. **J Mol Biol** 98(1):1–15, 15 Oct 75

Initiation of synthesis of the structural proteins of Semliki Forest virus. Clegg JC, et al. **J Mol Biol** 97(4):401–11, 5 Oct 75

F factor-mediated inhibition of bacteriophage T7 growth: analysis of T7 RNA and protein synthesis in vivo and in vitro using male and female Escherichia coli. Condit RC, et al. **J Mol Biol** 98(1):31–43, 15 Oct 75

Comparative analysis of the in vivo and in vitro expression of bacteriophage T7 messenger RNAs during infection of Escherichia coli. Hopper JE, et al. **J Mol Biol** 94(4):539–54, 5 Jun 75

Generation of avian myeloblastosis virus structural proteins by proteolytic cleavage of a precursor polypeptide. Vogt VM, et al. **J Mol Biol** 96(3):471–93, 15 Aug 75

Adenovirus gene function required for induction of nuclear acidic protein synthesis: binding of these proteins to adenovirus DNA. Ledinko N. **J Urol** 16(4):807–17, Oct 75

Genetic analysis of bacteriophage phi29 of Bacillus subtilis: mapping of the cistrons coding for structural proteins. Reilly BE, et al. **J Urol** 16(4):1010–6, Oct 75

Evidence for an 'early early' vaccinia virus-induced protein which causes a density change of infected L-M cells. Ball RF, et al. **J Virol** 17(1):60–7, Jan 75

Membrane protein biosynthesis in bacteriophage BF23-infected Escherichia coli. Billmire EW, et al.
J Virol 19(2):475–89, Aug 76

T7 protein synthesis in F-factor-containing cells: evidence for an episomally induced impairment of translation and relation to an alteration in membrane permeability. Blumberg DD, et al. **J Virol** 17(1):94–105, Jan 75

Identification of the gene controlling the synthesis of the major bacteriophage T5 membrane protein. Duckworth DH, et al. **J Virol** 18(2):542–9, May 76

Effect of hypertonic conditions on protein synthesis in cells productively infected with simian virus 40. England JM, et al. **J Virol** 16(5):1101–7, Nov 75

Pleiotropic effects of mutants in gene A of bacteriophage phi chi 174. Funk FD, et al. **J Virol** 18(1):141–50, Apr 76

Synthesis of the adenovirus-coded DNA binding protein in infected cells. Gilead Z, et al. **J Virol** 18(2):454–60, May 76

Identification of gene products required for in vitro formation of the internal peptides of bacteriophage T4. Giri JG, et al. **J Virol** 18(3):894–903, Jun 76

Regulatory mechanism of simian virus 40 gene expression in permissive and in nonpermissive cells. Graessmann A, et al. **J Virol** 17(3):854–8, Mar 76

Conditional lethal mutants of adenovirus type 2–simian virus 40 hybrids. II. Ad2+ND1 host-range mutants that synthesize fragments of the Ad2+ND1 30K protein. Grodzicker T, et al. **J Virol** 19(2):559–71, Aug 76

Viral glycoprotein synthesis studies in an established line of Japanese quail embryo cells infected with the Bryan high-titer strain of Rous sarcoma virus. Halpern MS, et al. **J Virol** 18(2):504–10, May 76

Bacteriophage P22 virion protein which performs an essential early function. I. Analysis of 16-ts mutants. Hoffman B, et al. **J Virol** 16(6):1536–46, Dec 75

Proteins specified by herpes simplex virus. XIII. Glycosylation of viral polypeptides. Honess RW, et al.
J Virol 16(5):1308–26, Nov 75

Mechanism of premature polypeptide termination in a mouse ascites cell-free system programmed by encephalomyocarditis viral RNA. Hunt LA. **J Virol** 18(2):788–92, May 76

Effect of impaired glycosylation on the biosynthesis of Semliki forest virus glycoproteins. Kaluza G. **J Virol** 16(3):602–12, Sep 75

Inhibition of cellular protein synthesis by simultaneous pretreatment of host cells with fowl plague virus and actinomycin D: a method for studying early protein synthesis of several RNA viruses. Kaluza G, et al.
J Virol 17(1):1–9, Jan 75

Early synthesis of Semliki Forest virus-specific proteins in infected chicken cells. Kaluza G. **J Virol** 19(1):1–12, Jul 76

Sindbis virus glycoproteins: effect of the host cell on the oligosaccharides. Keegstra K, et al. **J Virol** 16(3):613–20, Sep 75

Effects of 2-deoxyglucose, glucosamine, and mannose on cell fusion and the glycoproteins of herpes simplex virus. Knowles RW, et al. **J Virol** 18(2):644–51, May 76

Mutator mutations in bacteriophage T4 gene 32 (DNA unwinding protein). Koch RE, et al. **J Virol** 19(2):490–4, Aug 76

Synthesis of reovirus-specific polypeptides in cells pretreated with cycloheximide. Lau RY, et al. **J Virol** 16(3):470–8, Sep 75

Functional half-lives of bacteriophage m13 gene 5 and gene 8 messages. Lica L, et al. **J Virol** 18(1):80–4, Apr 76

In vitro synthesis of A-particle structual protein by membrane-bound polyribosomes. Lueders KK. **J Virol** 18(3):1088–94, Jun 76

Processing of mengovirus precursor polypeptides in the presence of zinc ions and sulfhydryl compounds. Nakai K, et al. **J Virol** 18(3):918–25, Jun 76

Differential inhibition of vesicular stomatitis virus polypeptide synthesis by hypertonic initiation block. Nuss DL, et al. **J Virol** 17(1):283–6, Jan 75

Effect of 5-bromodeoxyuridine on vaccinia virus-induced polypeptide synthesis: selective inhibition of the synthesis of some post-replicative polypeptides. Pennington TH.
J Virol 18(3):1131–3, Jun 76

Host restriction of Friend Leukemia virus coat protein synthesis. Ray U, et al. **J Virol** 18(1):370–3, Apr 76

In vivo and in vitro synthesis of adenovirus type 2 early proteins. Saborio JL, et al. **J Virol** 17(3):865–75, Mar 76

Utilization of early promotors in mutant far P85 of bacteriophage T4. Sauerbier W, et al. **J Virol** 19(2):668–74, Aug 76

Sialylatin of glycoproteins of murine mammary tumor virus, murine leukemia virus, and Mason-Pfizer monkey virus. Schloemer RH, et al. **J Virol** 18(2):804–8, May 76

Proteins of bacteriophage phi6. Sinclair JF, et al. **J Virol** 16(3):685–95, Sep 75

Message activity of influenza viral RNA. Tekamp P, et al.
J Virol 18(2):812–6, May 76

Novel replicative properties of a capsid mutant of bacteriophage phi chi 174. Vito CC, et al. **J Virol** 18(3):942–9, Jun 76

Simian virus 40-specific proteins in HeLa cells infected with nondefective adenovirus 2-simian virus 40 hybrid viruses. Walter G, et al. **J Virol** 16(5):1236–47, Nov 75

Genetic analysis of adenovirus type 2 III. Temperature sensitivity of processing viral proteins. Weber J. **J Virol** 17(2):462–71, Feb 76

Protein synthesis in BHK-21 cells infected with semliki forest virus. Wengler G. **J Virol** 17(1):10–9, Jan 75

F-Factor-mediated restriction of bacteriophage T7: synthesis of RNA and protein in T7-infected Escherichia coli F- and F+ cells. Whitaker PA, et al. **J Virol** 16(6):1380–90, Dec 75

F-Factor-mediated restriction of bacteriophage T7: protein synthesis in cell-free systems from T7-infected Escherichia coli F- and F+ cells. Yamada Y, et al. **J Virol** 16(6):1483–91, Dec 75

Processing of alphavirus-specific proteins in infected cells. Burke DC. **Med Biol** 53(5):352–6, Oct 75 (38 ref.)

Translation of the genes for the structural proteins of alphaviruses. Clegg JC, et al. **Med Biol** 53(5):383–6, Oct 75

Effect of cycloheximide on viral precursor protein B in Sindbis virus-infected BHK cells. Duda E. **Med Biol** 53(5):368–71, Oct 75

The effect of canavanine on the capsid protein of Sindbis virus. Duda E. **Med Biol** 53(5):365–7, Oct 75

Translation of Semliki forest virus 42S and 26S RNAs in two eukaryotic cell-free protein synthesising systems. Glanville N, et al. **Med Biol** 53(5):387–9, Oct 75

Polysomes and initiation complexes in vitro induced by Semliki Forest virus 42S and 26S RNA. Ranki M, et al. **Med Biol** 53(5):395–9, Oct 75

Function of Sindbis virus 49S and 26S RNAs in in vitro protein synthesizing systems. A summary. Schlesinger MJ. **Med Biol** 53(5):380–2, Oct 75

Translation of Semliki forest virus 42S and 26S RNAs in a cell-free system derived from Escherichia coli. Uomala P, et al. **Med Biol** 53(5):390–4, Oct 75

The role of IF-3 in the translation of T7- and phi80trp messenger RNA. Benne R, et al. **Mol Gen Genet** 139(4):311–9, 8 Sep 75

Gene expression of bacteriophage SPPI. I. Phage directed protein synthesis. Esche H, et al. **Mol Gen Genet** 142(1):45–55, 23 Dec 75

Bacteriophage SPO1 DNA- and RNA-directed protein synthesis in vitro: comparison with in vivo control. Shub DA. **Mol Gen Genet** 137(2):171–80, 1975

Bacteriophage SPO1 DNA- and RNA-directed protein synthesis in vitro: the effect of TF1, a template-selective transcription inhibitor. Shub DA, et al. **Mol Gen Genet** 137(2):161–9, 1975

gag Gene of mammalian type-C RNA tumour viruses. Barbacid M, et al. **Nature** 262(5569):554–9, 12 Aug 76

Messenger RNA for the coat protein of tobacco mosaic virus. Hunter TR, et al. **Nature** 260(5554):759–64, 29 Apr 76

Translation of oncogenic virus RNA in Xenopus laevis oocytes. Salden M, et al. **Nature** 259(5545):696–99, 26 Feb 76

Lambda repressor regulates the switch between PR and Prm promoters. Walz, A, et al. **Nature** 262(5570):665–9, 19 Aug 76

Synthesis of tobacco mosaic virus coat protein following migration of viral RNA into isolated mouse liver mitochondria. Dimitriadis GJ, et al **Nucleic Acids Res** 2(10):1719–26, Oct 75

Bacteriophage T3 and T7 early RNAs are translated by eukaryotic 80S ribosomes: active phage T3 coded S-adenosylmethionine cleaving enzyme is synthesized. Anderson CW, et al. **Proc Natl Acad Sci USA** 73(8):2752–6, Aug 76

Simian virus to (SV40) tumor-specific proteins in nucleus and plasma membrane of HeLa cells infected by adenovirus 2-SV40 hybrid virus Ad2+ND2. Deppert W, et al.
Proc Natl Acad Sci USA 73(7):2505–9, Jul 76

Synthesis of Rauscher murine leukemia virus-specific polypeptides in vitro. Gielkens AL, et al.
Proc Natl Acad Sci USA 73(2):356–60, Feb 76

Conditional-lethal mutations that suppress genetic defects in morphogenesis by altering structural proteins. Jarvik J, et al. **Proc Natl Acad Sci USA** 72(7):2738–42, Jul 75

Sequential translation of nonstructural proteins in cells infected with a Semliki Forest virus mutant. Lachmi BE, et al. **Proc Natl Acad Sci USA** 73(6):1936–40, Jun 76

Synthesis of murine leukemia virus proteins associated with virions assembled in actinomycin D-treated cells: evidence for persistence of viral messenger RNA. Levin JG, et al. **Proc Natl Acad Sci USA** 73(4):1154–8, Apr 76

Direct biochemical mapping of eukaryotic viral DNA by means of a linked transcription–translation cell-free system. Rozenblatt S, et al. **Proc Natl Acad Sci USA** 73(8):2747–51, Aug 76

Effect of zinc ions on synthesis of herpes simplex virus type 2-induced polypeptides. Gupta P, et al. **Proc Soc Exp Biol Med** 152(3):455–8, Jul 76

Excretion of specific glycoproteins by cells infected with herpes simplex virus, types 1 and 2. Kaplan AS, et al. **Prog Med Virol** 21:1–12, 1975

Gene functions of adenovirus type 12: synthesis of nuclear acidic proteins in human embryo kidney cells. Ledinko N. **Prog Med Virol** 21:133–43, 1975

Cell-free synthesis of equine herpesvirus type 3 nucleocapsid polypeptides. Allen GP, et al. **Virology** 69(2):751–62, Feb 76

Biosynthesis of Rauscher leukemia viral proteins: presence of p30 and envelope p15 sequences in precursor polypeptides. Arcement LJ, et al. **Virology** 69(2):763–74, Feb 76

A genetic map for the cowpea strain on TMV. Beachy RN, et al. **Virology** 73(2):498–507, Sep 76

Genetic analysis of T4 tail fiber assembly. I. A gene 37 mutation that allows bypass of gene 38 function. Bishop RJ, et al. **Virology** 72(1):244–54, 1 Jul 76

Replication of the flavivirus Kunjin: proteins, glycoproteins, and maturation associated with cell membranes. Boulton RW, et al. **Virology** 69(2):416–30, Feb 76

Macromolecular synthesis in T7 infected F' cells. Britton JR, et al. **Virology** 67(1):264–75, Sep 75

Characterization of the viral inhibitory factor (VIF) demonstrable in adenovirus-induced tumor and transformed cells. I. Effect on DNA and viral capsid protein synthesis. Champe PC, et al. **Virology** 68(2):317–29, Dec 75

The absence of one class of virus-induced protein in arginine-deprived cells infected with pig herpesvirus. Chantler JK, et al. **Virology** 70(1):88–96, Mar 76

Herpes simplex virus protein synthesis in the presence of 2-deoxy-D-glucose. Courtney RJ. **Virology** 73(1):286–94, Aug 76

Control of vesicular stomatitis virus protein synthesis. David AE. **Virology** 71(1):217–29, May 76

Two suppressor loci for gene 49 mutations of bacteriophage T4. II. DNA and capsid maturation. Dewey MJ, et al. **Virology** 68(2):402–17, Dec 75

Cellular pools of viral proteins in 3T3 cells chronically infected with Moloney-murine leukemia virus. Forchhammer J, et al. **Virology** 71(1):134–42, May 76

Mechanism of influenza recombination. III. Biochemical studies of temperature-sensitive mutants belonging to different recombination groups. Gregoriades A, et al. **Virology** 69(1):81–92, Jan 76

Partially stripped tobacco mosaic virus-stimulated methionyl-tRNA binding to ribosomes in an in vitro wheat embryo system. Hashimoto J, et al. **Virology** 67(1):107–13, Sep 75

Inhibition of avian sarcoma virus replication by glucosamine: a specific effect on the synthesis and processing of viral proteins. Hayman MJ, et al. **Virology** 71(2):402–11, Jun 76

Occurrence of short particles in beans infected with the cowpea strain of TMV. II. Evidence that short particles contain the cistron for coat-protein. Higgins TJ, et al. **Virology** 71(2):486–97, Jun 76

In vitro translation of encephalomyocarditis viral RNA: synthesis of capsid precursor-like polypeptides. Hunt LA. **Virology** 70(2):484–92, Apr 76

Synthesis of proteins in cells infected with herpesvirus. XI. Sulfated, structural glycoproteins. Kaplan AS, et al. **Virology** 70(2):561–3, Apr 76

The expression of the syn- gene of herpes simplex virus type 1. II. Requirements for macromolecular synthesis. Keller JM. **Virology** 72(2):402–9, 15 Jul 76

Biochemical and serological properties of the thymidine-phosphorylating enzymes induced by herpes simplex virus mutants temperature-dependent for enzyme formation. Kit S, et al. **Virology** 69(1):179–90, Jan 76

The synthesis of sendai virus polypeptides in infected cells. Lamb RA, et al. **Virology** 69(1):116–31, Jan 76

Translation of tobacco rattle virus RNA in vitro using wheat germ extracts. Mayo MA, et al. **Virology** 69(2):408–15, Feb 76

The role of gene V protein in f1 single-strand synthesis. Mazur BJ, et al. **Virology** 68(2):490–502, Dec 75

Inhibition of synthesis of influenza virus proteins: evidence of two host-cell-dependent events during multiplication. Minor PD, et al. **Virology** 67(1):114–23, Sep 75

Inhibition of synthesis of influenza virus proteins: evidence for two host-cell-dependent events during multiplication. Minor PD, et al. **Virology** 67(1):114–23, Sep 75

Studies on the assembly of the envelope of Newcastle disease virus. Nagai Y, et al. **Virology** 69(2):523–38, Feb 76

A temperature-sensitive mutant of Sendai virus with an altered hemagglutinin-neuraminidase polypeptide: consequences for virus assembly and cytopathology. Portner A, et al. **Virology** 67(1):179–87, Sep 75

A temperature-sensitive mutant of Sendai Virus with an altered hemagglutinin-neuraminidase polypeptide: consequences for virus assembly and cytopathology. Portner A, et al. **Virology** 67(1):179–87, Sep 75

Regulatory events in the synthesis of Sendai virus polypeptides and their assembly into virions. Portner A, et al. **Virology** 73(1):79–88, Aug 76

Effects of arginine starvation on macromolecular synthesis in infection with type 2 adenovirus. III. Immunofluorescence studies of the synthesis of the hexon and the major viral core antigen (AAP). Prage LV, et al. **Virology** 69(1):352–6, Jan 76

Synthesis of morphogenetic proteins by mutants of bacteriophage lambda carrying tandem genetic duplications. Ray PN, et al. **Virology** 73(2):381–8, Sep 76

Genetic analysis of T4 tail fiber assembly. II. Bacterial host mutants that allow bypass of T4 gene 57 function. Revel HR, et al. **Virology** 72(1):255–65, 1 Jul 76

Protein synthesis following infection of the blue-green alga Plectonema boryanum with the temperature virus SPI and its ts mutants. Rimon A, et al. **Virology** 71(2):444–52, Jun 76

Sodium dodecyl sulphate-polyacrylamide-gel electrophoretic detection of two high molecular weight proteins associated with tobacco mosaic virus infection in tobacco. Scalla R, et al. **Virology** 69(1):339–45, Jan 76

Expression of murine oncornavirus proteins in synchronized cells. Schauf V, et al. **Virology** 71(2):619–23, Jun 76

Tobacco ringspot virus codes for the coat protein of its satellite. Schneider IR, et al. **Virology** 70(1):244–6, Mar 76

Independent polypeptide chain initiation sites for the synthesis of different classes of proteins for an RNA tumor virus: mouse mammary tumor virus. Schochetman G, et al. **Virology** 73(2):431–41, Sep 76

Infection of Synechococcus cedrorum by the cyanophage AS-1M. II. Protein and DNA synthesis. Sherman LA, et al. **Virology** 71(1):17–27, May 76

A messenger RNA for capsid protein isolated from tobacco mosaic virus-infected tissue. Siegel A, et al. **Virology** 73(2):363–71, Sep 76

Selective induction of murine oncornavirus gene expression in somatic cell hybrids between mouse peritoneal macrophages and SV-40-transformed human cells. Strand M, et al. **Virology** 70(2):545–9, Apr 76

Oncornavirus budding: kinetics of formation and utilization of viral membrane glycoprotein. Witte ON, et al. **Virology** 69(2):464–73, Feb 76

[Proceedings: Characterization of virus induced proteins in SV40 infected primary monkey cells] Patschinsky T, et al. **Hoppe Seylers Z Physiol Chem** 356(3):260–1, Mar 75 **(Ger)**

[Role of protein synthesis in the regulation of replication of RNA-containing bacteriophages] Pumpen PP, et al. **Dokl Akad Nauk SSSR** 224(1):246–8, Sep–Oct 75 **(Rus)**

[The duration of synthesis in the infectious cycle and localization of the protein of phage T4B gene 46] Debabov VG, et al. **Genetika** 10(12):94–100, Dec 74 (Eng. Abstr.) **(Rus)**

[Synthesis of virus-specific macromolecules and virion maturation in chick embryo cells infected with Sendai virus] Selimova LM, et al. **Vopr Virusol** (1):36–44, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Protein metabolism in chick embryo cells infected with Sendai virus] Zaides VM, et al. **Vopr Virusol** (1):44–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

BLOOD

Studies on mouse Moloney virus induced tumours: II. Detection of p30 in the serum of mice with Moloney leukaemia by in vitro blocking of complement dependent antibody mediated cytotoxicity. Epstein LB, et al. **Br J Cancer** 31(5):513–23, May 75

CLASSIFICATION

A proposal for designation of Sendai virus proteins. Homma M, et al. **Jpn J Microbiol** 19(6):467–70, Dec 75

IMMUNOLOGY

RS virus components. II. Antigenicity. Wilczyński J. **Acta Microbiol Pol** 25(2):139–43, 1976

Determination of measles virus-specific nucleocapsid antibodies by means of counterimmunoelectrophoresis. Nordal HJ, et al. **Acta Pathol Microbiol Scand [B]** 83(5):425–32, Oct 75

Reactions of immune sera against the nucleocapsid, envelope and whole herpes simplex virus type 1. Lešo J, et al. **Acta Virol (Praha)** 20(1):48–52, Feb 76

Efficacy and immune response to rubella subunits vaccines. Cappel R, et al. **Arch Virol** 50(3):207–13, 1976

Immunological analysis of structural polypeptides of woolly monkey-gibbon ape type C viruses. Expression of woolly monkey helper viral antigens in cells transformed by woolly monkey sarcoma virus. Aaronson SA, et al. **Bibl Haematol** (43):102–9, Oct 75

Studies on mouse Moloney virus induced tumours: I. The detection of p30 as a cytotoxic target on murine Moloney leukaemic spleen cells, and on an in vitro Moloney sarcoma line by antibody mediated cytotoxicity. Epstein LB, et al. **Br J Cancer** 31(5):499–512, May 75

Levels of C-type viral p30 antigens in lymphoma-resistant mice. Barnes RD, et al. **Cancer Res** 36(10):3622–4, Oct 76

Immune response in the mouse to endogenous leukemia viruses. Nowinski RC, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1123–8, 1975

Solid-phase radioimmunoassay for antibodies to flavivirus structural and nonstructural proteins. Trent DW, et al. **Infect Immun** 13(5):1325–33, May 76

An antigenically related tryptic polypeptide from several mammalian type C RNA virus p30s. Davis J, et al. **Intervirology** 5(1–2):21–30, 1975

Localization of the major group-specific protein (p27) of avian tumor viruses by immunofluorescence in chicken cells and tissues. Hortling L, et al. **Intervirology** 5(5):252–9, 1975

Glycoproteins of Sendai virus: purification and antigenic analysis. Urata DM, et al. **Intervirology** 6(2):108–14, 1975–76

X-gp70: a third molecular species of the envelope protein gp70 of murine leukemia virus, expressed on mouse lymphoid cells. Tung JS, et al. **J Exp Med** 143(4):969–74, 1 Apr 76

Complex surveillance of Streptococcus pyogenes. II. Resistance in human blood and bactericidal activity receptors of field and collection streptococci. Kahlich R, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):207–16, 1975

Immune and antibody responses to an isolated capsid protein of foot-and-mouth disease virus. Bachrach HL, et al. **J Immunol** 115(6):1636–41, Dec 75

Antigenic analysis of the major structural protein of the Mason-Pfizer monkey virus. Schochetman G, et al. **J Immunol** 117(1):168–73, Jul 76

Antigenic determinants of adenovirus capsids. II. Homogeneity of hexons, and accessibility of their determinants, in the virion. Willcox N, et al. **J Immunol** 116(1):25–9, Jan 76

Antigenic determinants of adenovirus capsids. I. Measurement of antibody cross-reactivity. Willcox N, et al. **J Immunol** 116(1):19–24, Jan 76

Specificity and distribution of antigenic determinants on the polyoma virus capsid and nature of the reaction of immunoglobulin G antibody with the capsid surface. Kahan L, et al. **J Mol Biol** 95(2):239–56, 25 Jun 75

Natural and experimentally induced antibodies to defined mammalian type-C virus proteins in primates. Charman HP, et al. **J Natl Cancer Inst** 55(6):1419–24, Dec 75

Humoral immune responses of cats to feline leukemia virus: comparison of responses to the major structural protein p30 and to a virus-specific cell membrane antigen (FOCMA). Charman HP, et al. **J Natl Cancer Inst** 56(4):859–61, Apr 76

Role of carbohydrate in determining the immunochemical properties of the major glycoprotein (gp71) of Friend murine leukemia virus. Bolognesi DP, et al. **J Virol** 16(6):1453–63, Dec 75

Species and interspecies radioimmunoassays for rat type C virus p30: interviral comparisons and assay of human tumor extracts. Chapman HP, et al. **J Virol** 17(1):51–9, Jan 75

Radioimmunoassays for the 70,000-molecular-weight glycoproteins of endogenous mouse type C viruses: viral antigen expression in normal mouse tissues and sera. Hino S, et al. **J Virol** 18(3):933–41, Jun 76

Characterization of the type and group specificities of the immune response in mice to murine leukemia viruses. Ihle JN, et al. **J Virol** 18(1):124–31, Apr 76

Group-specific antigen shared by the members of the reticuloendotheliosis virus complex. Maldonado RL, et al. **J Virol** 17(3):983–90, Mar 76

Autologous immune responses to the major oncornavirus polypeptides in unmanipulated AKR/J mice. Oldstone MB, et al. **J Virol** 18(1):176–81, Apr 76

Formation of an infectious virus-antibody complex with Rous sarcoma virus and antibodies directed against the major virus glycoprotein. Schlesinger MJ. **J Virol** 17(3):1063–7, Mar 76

Comparisons of the immunological properties of two structural polypeptides of type C RNA viruses endogenous to old world monkeys. Stephenson JR, et al. **J Virol** 17(2):374–84, Feb 76

Independence of Moloney virus-induced cell-surface antigen and membrane-associated virion antigens in immunoselected lymphoma sublines. Fenyö EM, et al. **Nature** 260(5549):355–7, 25 Mar 76

Experimental evidence that polyoma-specific tumour antigen is a virus-coded protein. Graessmann M, et al. **Nature** 258(5537):756–8, 25 Dec 75

Correlation of polypeptide composition with antigenic variation in the swine vesicular disease and coxsackie B5 viruses. Harris TJ, et al. **Nature** 258(5537):758–60, 25 Dec 75

Polypeptides of mammalian oncornaviruses. IV. Structural components of murine leukemia virus released as soluble antigens in cell culture. Bolognesi DP, et al. **Virology** 68(2):550–5, Dec 75

Antigenic characterization of two sindbis envelope glycoproteins separated by isoelectric focusing. Dalrymple JM, et al. **Virology** 69(1):93–103, Jan 76

Neutralization of homologous and heterologous oncornaviruses by antisera against the p15(E) and gp71 polypeptides of Friend murine leukemia virus. Fischinger PJ, et al. **Virology** 71(1):169–84, May 76

Subgroup-specific antigenic determinants of avian RNA tumor virls structural proteins: analysis of virus recombinants. Hayman MJ, et al. **Virology** 73(2):372–80,

Sep 76
The maize rough dwarf virion. II. Serological analysis. Luisoni E, et al. **Virology** 68(1):86–96, Nov 75
Neutralization of poliovirus: a hypothesis to explain the mechanism and the one–hit character of the neutralization reaction. Mandel B. **Virology** 69(2):500–10, Feb 76
Group–specific antigenic determinants of the large envelope glycoprotein of avian oncornaviruses. Rohrschneider L, et al. **Virology** 67(1):234–41, Sep 75
Group–specific antigenic determinants of the large envelope glycoprotein of avian oncornaviruses. Rohrschneider L, et al. **Virology** 67(1):234–41, Sep 75
Proteins of herpesvirus type 2. II. Studies demonstrating a correlation between a tumor–associated antigen (AG–4) and a virion protein. Strnad BC, et al. **Virology** 73(1):244–58, Aug 76

ISOLATION & PURIFICATION

RS virus components. I. Isolation and purification. Wilczyński J. **Acta Microbiol Pol** 25(2):133–8, 1976
Purification and separation of enveloped and unenveloped herpes simplex virus particles. Matis J, et al. **Acta Virol (Praha)** 19(4):273–80, Jul 75
Structural proteins of bovine viral diarrhea virus. Pritchett RF, et al. **Am J Vet Res** 36(12):1731–4, Dec 75
Anomalous behavior of certain poliovirus polypeptides during SDS–gel electrophoresis. Abraham G, et al. **Anal Biochem** 73(2):439–46, Jun 76
Proceedings: Electrophoretic resolution of poliovirus capsid polypeptides in the presence of a pH gradient. Vrijsen R, et al. **Arch Int Physiol Biochim** 84(1):205–6, Feb 76
Purification of virions and nucleocapsids of herpes simplex virus by means of metrizamide and sodium metrizoate gradients. Blomberg J, et al. **Arch Virol** 50(4):271–8, 1976
The polarity of stripping of coat protein subunits from the RNA in tobacco mosaic virus under alkaline conditions. Perham RN, et al. **FEBS Lett** 62(1):11–5, 1 Feb 76
SV 40 nucleoprotein complexes: structural modifications after isopycnic centrifugation in metrizamide gradients. Pignatti PF, et al. **FEBS Lett** 60(2):369–73, 15 Dec 75
Analytical isoelectric focusing in polymerizable thin layers containing Sephadex. Ziegler A, et al. **FEBS Lett** 64(1):48–51, 15 Apr 76
Selective solubilization of hemagglutinin and neuraminidase from influenza viruses. Bachmayer H. **Intervirology** 5(5):260–72, 1975
Isolation and chemcial properties of A–protein from filamentous phage Fd. Segawa K, et al. **J Biochem (Tokyo)** 78(1):1–7, Jul 75
Preparation and characterization of influenza virus cores. Reginster M, et al. **J Gen Virol** 31(2):211–20, May 76
Bacteriophage T4 baseplate components. III. Location and properties of the bacteriophage structural thymidylate synthetase. Kozloff LM, et al. **J Virol** 16(6):1409–19, Dec 75
Bacteriophage T4 baseplate components. I. Binding and location of the folic acid. Kozloff LM, et al. **J Virol** 16(6):1391–400, Dec 75
Bacteriophage T4 baseplate components. II. Binding and location of bacteriophage–induced dihydrofolate reductase. Kozloff LM, et al. **J Virol** 16(6):1401–8, Dec 75
Isolation of the dengue virus envelope glycoprotein from membranes of infected cells by concanavalin A affinity chromatography. Stohlman SA, et al. **J Virol** 18(1):132–40, Apr 76
Studies on bacteriophage T7 DNA synthesis in vitro. I. Resolution of the T7 replication system into its components. Scherzinger E, et al. **Mol Gen Genet** 141(3):213–232, 1 Dec 75
Identification of phage SP01 proteins coded by regulatory genes 33 and 34. Fox TD. **Nature** 262(5571):748–53, 26 Aug 76
Purification and properties of a DNA–binding protein with characteristics expected for the Cro protein of bacteriophage lambda, a repressor essential for lytic growth. Folkmanis A, et al. **Proc Natl Acad Sci USA** 73(7):2249–53, Jul 76
Isolation of two forms of SV40 nucleoprotein containing RNA polymerase from infected monkey cells. Green MH, et al. **Virology** 72(1):110–20, 1 Jul 76
Reovirus–coded polypeptides in infected cells: isolation of two native monomeric polypeptides with affinity for single–stranded and double–stranded RNA, respectively. Huismans H, et al. **Virology** 70(2):411–24, Apr 76
Isolation of murine type–C virus p30 precursor protein by DNA–cellulose chromatography. Oroszlan S, et al. **Virology** 72(2):523–6, 15 Jul 76
Isolation and characterization of adenovirus type 12 DNA binding proteins. Rosenwirth B, et al. **Virology** 67(1):14–23, Sep 75
[Separation of viral proteins on ECTEOLA–cellulose chromatography] Vanden Berghe DA. **Arch Int Physiol Biochim** 83(5):1006–8, Dec 75 **(Dut)**
[Functions of bacteriophage T4 rII genes. Preparatory isolation and several properties of rIIB protein] Shevchenko NA, et al. **Biokhimiia** 41(1):3–13, Jan 76 (Eng. Abstr.) **(Rus)**
[Structure and protein composition of the bacteriophage T2L connector] Volkova TP, et al. **Biokhimiia** 41(1):192–6, Jan 76 (Eng. Abstr.) **(Rus)**
[Isolation and properties of influenza virus ribonucleoprotein synthesized in infected cells] Bukrinskaia AG, et al. **Dokl Akad Nauk SSSR** 228(5):1219–21, 1976 **(Rus)**
[Detection of the products of several T4B phage genes among the proteins of infected Escherichia] Iankovskiĭ NK, et al. **Genetika** 12(3):119–25, 1976 (Eng. Abstr.) **(Rus)**

METABOLISM

RNA–protein interactions in alfalfa mosaic virus. Verhagen W, et al. **Ann Microbiol (Paris)** 127A(1):165–72, Jan 76
Specific cleavage of Sendai virus nucleocapsid protein subunits during virus storage. Popa LM, et al. **Arch Virol** 48(4):289–95, 1975
Oncornavirus genes and host proteins. Del Villano BC, et al. **Bibl Haematol** (43):110–4, Oct 75
Expression of the envelope protein gp70 of murine leukemia virus on normal and leukemic lymphoid cells of mice. Fleissner E, et al. **Bibl Haematol** (43):19–23, Oct 75
Biochemical and immunologic characterization of an oncornavirus glycoprotein. Kennel SJ, et al. **Bibl Haematol** (40):329–38, 1975
Nucleic acid and protein studies of the Mason–Pfizer virus. Schlom J, et al. **Bibl Haematol** (43):134–40, Oct 75
Properties of Moloney sarcoma virus–specific p60 and its detection in transformed cells. Vande Woude GF, et al. **Bibl Haematol** (43):125–7, Oct 75
Biological activity of in vitro synthesised protein: binding of Semliki Forest virus capsid protein to the large ribosomal subunit. Glanville N, et al. **Biochem Biophys Res Commun** 71(1):393–9, 12 Jul 76
The binding of fd gene–5 protein to single–stranded nucleic acid. Dunker AK, et al. **Biochim Biophys Acta** 402(1):31–4, 6 Aug 75
The binding site for coat protein on bacteriophage Qbeta RNA. Weber H. **Biochim Biophys Acta** 418(2):175–83, 19 Jan 76
The effect of ribonuclease on the penetration of R17 phage A–protein and RNA. Wong K, et al. **Can J Microbiol** 22(6):826–31, Jun 76
Membrane receptors for murine leukemia viruses: characterization using the purified viral envelope glycoprotein, gp71. DeLarco J, et al. **Cell** 8(3):365–71, Jul 76
Correlation between structural transformation and cleavage of the major head protein of T4 bacteriophage. Laemmli UK, et al. **Cell** 7(2):191–203, Feb 76
Specific binding of the type C viral core protein p12 with purified viral RNA. Sen A, et al. **Cell** 7(1):21–32, Jan 76
Adenovirus–infected, cell–specific, DNA–binding proteins. Levine AJ, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:559–66, 1975
The organization of proteins in polyoma and cellular chromatin. Louie AJ. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:259–66, 1975
A circular DNA–protein complex adenoviruses and its possible role in DNA replication. Robinson AJ, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:523–31, 1975
Intermolecular disulfide bonds: an important structural feature of the polyoma virus capsid. Walter G, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:255–7, 1975
Enzymic and molecular properties of base–plate parts of bacteriophage P22. Iwashita S, et al. **Eur J Biochem** 65(1):87–94, 17 May 76
The activity of Newcastle disease virus–envelope proteins after treatment with detergents. Wassilewa L, et al. **Experientia** 31(12):1397–8, 15 Dec 75
Resistance of the basic membrane proteins of myelin and bacterophage PM2 to proteolytic enzymes. Schäfer R, et al. **FEBS Lett** 58(1):265–8, 15 Oct 75
In vitro association of TMV RNA fragments with TMV protein. pp. 197–203. Guilley H, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Protein cleavage in picornavirus replication. pp. 273–9. Korant BD. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Association of mengovirus proteins with host cell native 40S ribosomal subunits. pp. 387–95. Manak MM, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Structure and functional activity of the RNA polymerase of vesicular stomatitis virus. pp. 129–34. Szilágyi JF. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Transcription of adenovirus 'cores'. pp. 75–82. Tate V, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
The isolation and characterization of DNA binding proteins specific for adenovirus infected cells. pp. 197–216. van der Vliet P, et al. **In: Kolber AR, ed. Tumor virus–host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.**
Regulation of animal virus replication by protein cleavage. pp. 621–44. Korant BD. **In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.** (86 ref.)
Cleavage associated with the maturation of the head of bacteriophage T4. pp. 661–76. Laemmli UK. **In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.** (47 ref.)
Activation of cell fusion and infectivity by proteolytic cleavage of a Sendai virus glycoprotein. pp. 645–59. Scheid A, et al. **In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.** (32 ref.)
Site–specific interaction of Qbeta host factor and ribosomal protein S1 with Qbeta and R17 bacteriophage RNAs. Senear AW, et al. **J Biol Chem** 241(7):1902–12, 10 Apr 76
Studies on phage internal proteins: formation of internal protein – T2 DNA complexes in vivo. Bachrach U, et al. **J Gen Virol** 31(1):21–33, Apr 76
Cleavage of T4–induced proteins during phage morphogenesis: characterization of peptides. Benchetrit L, et al. **J Gen Virol** 31(2):163–72, May 76
Adenovirus protein maturation at 42 degrees C. Warocquier R, et al. **J Gen Virol** 30(2):233–42, Feb 76
Replication of bacteriophage lambda DNA: in vivo studies of the interaction between the viral gamma protein and the host recBC DNAase. Greenstein M, et al. **J Mol Biol** 97(4):543–9, 5 Oct 75
Assembly of bacteriophage lambda heads: protein processing and its genetic control in petit lambda assembly. Hendrix RW, et al. **J Mol Biol** 91(2):187–99, 15 Jan 75
Design of a system of conditional lethal mutations (tab/k/com) affecting protein–protein interactions in bacteriophage T4–infected Escherichia coli. Takahashi H, et al. **J Mol Biol** 96(4):563–78, 25 Aug 75
Protein cleavage during virus assembly: characterization of cleavage in T4 phage. Tsugita A, et al. **J Mol Biol** 98(1):217–5, 15 Oct 75
The role of replication proteins in the regulation of bacteriophage T4 transcription. II. Gene 45 and late transcription uncoupled from replication. Wu R, et al. **J Mol Biol** 96(4):539–62, 25 Aug 75
The role of replication proteins in the regulation of bacteriophage T4 transcription. I. Gene 45 and hydroxymethyl–C–containing DNA. Wu R, et al. **J Mol Biol** 96(4):513–38, 25 Aug 75
Mouse mammary tumor virus polypeptide precursors in intracytoplasmic A particles. Smith GH, et al. **J Natl Cancer Inst** 55(2):493–6, Aug 75
Fate of MS2 proteins synthesized in Escherichia coli exposed to amino acid analogues. Prouty WF. **J Urol** 16(4):1090–3, Oct 75
Structural aberrations in T–even bacteriophage. VII. In vitro analysis of the canavanine–mediated inhibition of proteolytic cleavage. Bolin RW, et al. **J Virol** 16(5):1273–81, Nov 75
RNA– temperature–sensitive mutants of vesicular stomatitis virus: L–protein thermosensitivity accounts for transcriptase restriction of group I mutants. Hunt DM, et al. **J Virol** 18(2):596–603, May 76
Characterization of a temperature–sensitive, hexon transport mutant of type 5 adenovirus. Kauffman RS, et al. **J Virol** 19(2):643–58, Aug 76
Inhibition by zinc of rhinovirus protein cleavage: interaction of zinc with capsid polypeptides. Korant BD, et al. **J Virol** 18(1):298–306, Apr 76
Trypsin action on the growth of Sendai virus in tissue culture cells. IV. Evidence for activation of sendai virus by cleavage of a glycoprotein. Ohuchi M, et al. **J Virol** 18(3):1147–50, Jun 76
Morphogenesis of bacteriophage phi29 of Bacillus subtilis: cleavage and assembly of the neck appendage protein. Tosi ME, et al. **J Virol** 16(5):1282–95, Nov 75
Interference with the glycosylation of Semliki Forest virus proteins. Scholtissek C, et al. **Med Biol** 53(5):357–64, Oct 75
Characterization of an adenovirus early protein required for viral DNA replication: a single strand specific DNA binding proteins. Levine AJ, et al. **Mol Cell Biochem** 11(2):79–95, 28 Apr 76
Control of gene expression in bacteriophage lambda: suppression of N mutants by mutations of the antirepressor. Galland P, et al. **Mol Gen Genet** 142(2):155–70, 29 Dec 75
Phage–coded protein prevents restriction of unmodified progeny T4 DNA. Dharmalingam K, et al. **Nature** 260(5550):454–6, 1 Apr 76
Inactive complex formation between E. coli RNA polymerase and inhibitor protein purified from T7 phage infected cells. Hesselbach BA, et al. **Nature** 258(5533):354–7, 27 Nov 75
T4 gene 32 protein model for control of activity at replication fork. Moise H, et al. **Nature** 259(5543):455–8, 12 Feb 76
Bacteriophage SP01 regulatory proteins directing late gene transcription in vitro. Tijan R, et al. **Nature** 262(5571):753–7, 26 Aug 76
Thermolabile transfecting DNA from temperature–sensitive mutant of phage phi29. Yanofsky S, et al. **Nature** 259(5538):60–3, 1–8 Jan 76
An enzyme system for replication of duplex circular DNA: the replicative form of phage phi X174. Eisenberg S, et al. **Proc Natl Acad Sci USA** 73(5):1594–7, May 76
Deficiency in histone acetylation in nontransforming host range mutants of polyoma virus. Schaffhausen BS, et al. **Proc Natl Acad Sci USA** 73(4):1092–6, Apr 76
Autoregulation and function of a repressor in bacteriophage lambda. Ptashne M, et al. **Science** 194(4261):156–61, 8 Oct

76
Specificity of in vitro binding of primate Type C viral RNA and the homologous viral p12 core protein. Sen A, et al. **Science** 193(4250):326–8, 23 Jul 76
Specificity of protein–RNA and protein–protein interaction upon assembly of TMV in vivo and vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75
Cleavage site alterations in poliovirus–specific precursor proteins. Beckman LD, et al. **Virology** 73(1):216–27, Aug 76
Molecular organization and stabilizing forces of simple RNA viruses. IV. Selective interference with protein–RNA interactions by use of sodium dodecyl sulfate. Boatman S, et al. **Virology** 70(1):1–16, Mar 76
Parental G protein reincorporation by a vesicular stomatitis virus temperature-sensitive mutant of complementation group V at nonpermissive temperature. Deutsch V. **Virology** 69(2):607–16, Feb 76
Short communications Decapsidation of polyoma virus mutants. Frost E, et al. **Virology** 68(1):256–9, Nov 75
Decapsidation of polyoma virus: identification of subviral species. Frost E, et al. **Virology** 68(1):245–55, Nov 75
DNA Replication of bacteriophage phi29: isolation of a DNA–protein complex from Bacillus subtilis cells infected with wild-type and with a suppressor-sensitive mutant. Harding NE, et al. **Virology** 73(2):389–401, Sep 76
Sites of coat protein accumulation in turnip yellow mosaic virus–infected cells. Hatta T, et al. **Virology** 73(1):1–16, Aug 76
Release of O antigen polysaccharide from Salmonella newington by phage epsilon 34. Iwashita S, et al. **Virology** 68(1):27–34, Nov 75
Molecular organization and stabilizing forces of simple RNA viruses. V. The role of lysyl residues in the stabilization of cucumber mosaic virus strain S. Kaper JM. **Virology** 71(1):185–98, May 76
Enhancement of the infectivity of influenza A and B viruses by proteolytic cleavage of the hemagglutinin polypeptide. Lazarowitz SG, et al. **Virology** 68(2):440–54, Dec 75
Proteolytic cleavage of the viral glycoproteins and its significance for the virulence of Newcastle disease virus. Nagai Y, et al. **Virology** 72(2):494–508, 15 Jul 76
Interaction of vaccinia DNA–binding proteins with DNA in vitro. Polisky B, et al. **Virology** 69(1):143–7, Jan 76
The polarity of penetration of phage R17 RNA. Wong K, et al. **Virology** 73(2):489–97, Sep 76
The preservation of the secondary structure of R17 RNA during penetration into host bacteria. Wong K, et al. **Virology** 73(2):476–88, Sep 76
[Identification of rabies virus glycoproteins and nucleoproteins in infected cells by specifically labeled immunoglobulins] Atanasiu P, et al. **C R Acad Sci [D] (Paris)** 281(23):1913–5, 15 Dec 75 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Role of ribosomal protein S1 in portein synthesis: effects of its addition to Bacillus stearothermophilus cell-free system. Isono S, et al. **Eur J Biochem** 56(1):15–22, 1 Aug 75
Cut off proteins of FV 3 : their effect on transcription. pp. 347–53. Aubertin AM, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.
Isolation and characterization of T–even ghost–tolerant mutants of Escherichia coli. Nishikawa Y, et al. **J Bacteriol** 127(1):40–5, Jul 76
Inhibition of murine sarcoma virus induced transformation by adenovirus structural proteins. Abid SH, et al. **J Gen Virol** 31(3):437–40, Jun 76
A lack of inhibitory action of bacteriophage T4 ghosts in the presence of EDTA. Okamoto K, et al. **J Gen Virol** 30(1):141–3, Jan 76
Inhibition of protein synthesis in reticulocyte lysates by poliovirus. Racevskis J, et al. **J Gen Virol** 31(1):135–8, Apr 76
Proteins solubilized from frog virus 3 particles: effect on transcription. Aubertin AM, et al. **J Virol** 18(1):34–41, Apr 76
Preliminary biochemical characterization of the factors(s) responsible for herpesvirus–induced exogenous fusion. Levitan DB, et al. **J Virol** 18(3):1081–7, Jun 76
Protein synthesis in bacteriophage ghost–infected cells. Takeishi K, et al. **J Virol** 18(1):103–10, Apr 76
The requirement of simian virus 40 gene A product for the stimulation of cellular thymidine kinase activity after viral infection. Postel EH, et al. **Virology** 73(1):206–15, Aug 76
Effects of viral protein, viral RNA, and some other polyelectrolytes on infection of tobacco protoplasts by TMV. Zhuravlev YN, et al. **Virology** 73(2):454–60, Sep 76
[Influence of proteins bound to single–stranded DNA on RNA and poly(A) synthesis. II. Protein—product of T4 phage gene 32] Polonskiĭ IS, et al. **Mol Biol (Mosk)** 10(1):64–9, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of the termination rho factor and ribonuclease III on the transcription of bacteriophage phi X174 DNA in vitro. Kapitza EL, et al. **FEBS Lett** 64(1):81–4, 15 Apr 76
Role of protein in the inactivation of viruses by ultraviolet radiation. pp. 105–22. Gordon MP.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (41 ref.)
Bacillus subtilis deoxyuridinetriphosphatase and its bacteriophage PBS2–induced inhibitor. Price AR, et al. **J Biol Chem** 250(22):8804–11, 25 Nov 75
Infectivity and marker rescue activity of influenza virus ribonucleoprotein–polymerase complexes. Rochovansky OM, et al. **Virology** 73(2):339–49, Sep 76

THERAPEUTIC USE

Antitumour activity of adenovirus–12 structural proteins against Moloney sarcoma tumours in mice. Abid SH, et al. **Br J Cancer** 33(4):385–91, Apr 76

VIRAL VACCINES

Virus content and effectiveness of foot–and–mouth disease vaccines. Czelleng F, et al. **Acta Microbiol Acad Sci Hung** 23(1):77–81, 1976
Is a rhinovirus vaccine possible? Fox JP. **Am J Epidemiol** 103(4):345–54, Apr 76
Precipitin response of cattle to commercial wart vaccine. Barthold SW, et al. **Am J Vet Res** 37(4):449–51, Apr 76
Effects of vaccination infectious bovine rhinotracheitis and simultaneous administration of levamisole on primary humoral responses in calves. Irwin MR, et al. **Am J Vet Res** 37(2):223–6, Feb 76
Letter: Efficacy of modified live–virus equine rhinopneumonitis vaccine. Stear RL, et al. **Am J Vet Res** 37(3):349–51, Mar 76
Immunoglobulins and their relative neutralizing efficiency in cattle immunized with infectious bovine rhinotracheitis—parainfluenza–3 (IBR–PI–3) virus vaccine. Mukkur TK, et al. **Arch Virol** 48(3):195–201, 1975
Attenuated vaccines against bovine ephemeral fever. Spradbrow PB. **Aust Vet J** 51(10):464–8, Oct 75
Laboratory and field studies with a bovine ephemeral fever vaccine. Tzipori TS, et al. **Aust Vet J** 51(5):244–50, May 75
Efficacy of a commercial Newcastle vaccine against velogenic viscerotropic Newcastle disease virus. Benson HN, et al. **Avian Dis** 19(3):566–72, Jul–Sep 75
Influence of some physical factors on survival of Marek's disease vaccine virus. Colwell WM, et al. **Avian Dis** 19(4):781–90, Oct–Dec 75
A comparison of the efficacy against Marek's disease of cell–free and cell–associated turkey herpesvirus vaccine. Eidson CS, et al. **Avian Dis** 19(3):515–24, Jul–Sep 75
Antibody response and resistance of turkeys to Newcastle disease vaccine strain LaSota. Ghumman JS, et al. **Avian Dis** 20(1):1–8, Jan–Mar 76
In vitro DNA synthesis in lymphocytes from turkeys vaccinated with LaSota, TC, and inactivated Newcastle disease vaccines. Ghumman JS, et al. **Avian Dis** 20(1):18–31, Jan–Mar 76
Experiments to vaccinate marmoset monkeys against malignant lymphoma. Laufs R, et al. **Bibl Haematol** (40):357–66, 1975
Experimental oncornavirus vaccines in the cat. Olsen RG, et al. **Bibl Haematol** (43):515–7, Oct 75
Mammalian C–type oncorna viruses. Relationships between structural virus and cell surface antigens and their possible significance in immunological defense mechanisms. Schäfer W, et al. **Bibl Haematol** (43):88–96, Oct 75
Effects of strain of chickens and vaccination with turkey herpesvirus on Marek's disease and lymphoid leukosis in breeding stocks. Gavora JS, et al. **Br Poult Sci** 16(4):375–88, Jul 75
Status of arenavirus vaccines and their application. Johnson KM. **Bull WHO** 52(4–6):729–35, 1975
Evaluation of inactivated infectious bovine rhinotracheitis vaccines. Schipper IA, et al. **Can J Comp Med** 39(4):402–5, Oct 75
Preventive vaccination against Herpesvirus saimiri–induced neoplasia. Ablashi DV, et al. **Cancer Res** 36(2 pt 2):701–3, Feb 76 (41 ref.)
Potential leukemia virus subunit vaccines: discussion. Bolognesi DP. **Cancer Res** 36(2 pt 2):655–6, Feb 76
Implications of a vaccine for the prevention of Epstein–Barr virus infection: ethical and logistic considerations. Epstein MA. **Cancer Res** 36(2 pt 2):711–4, Feb 76
Herpes simplex vaccines. Hilleman MR. **Cancer Res** 36(2 pt 2):857–8, Feb 76
An approach to C–type virus immunoprevention of spontaneously occurring tumors in laboratory mice. Kelloff GJ, et al. **Cancer Res** 36(2 pt 2):622–30, Feb 76
Approaches to immunological control of virus–associated tumors in man: introductory remarks. Levine PH. **Cancer Res** 36(2 pt 2):565–9, Feb 76
Practical considerations in the development of a human cancer vaccine. Mayyasi SA, et al. **Cancer Res** 36(2 pt 2):861–4, Feb 76
Immunology of herpes simplex virus infection: relevance to herpes simplex virus vaccines and cervical cancer. Nahmias AJ, et al. **Cancer Res** 36(2 pt 2):836–44, Feb 76 (113 ref.)
Experimental oncornavirus vaccines in the cat. Yohn DS, et al. **Cancer Res** 36(2 pt 2):646–51, Feb 76
The future of bovine viral vaccines. Kahrs RF. **Cornell Vet** 66(1):3–9, Jan 76
Failure of attenuated canine distemper virus (Rockborn strain) to suppress lymphocyte blastogenesis in dogs. Schultz RD. **Cornell Vet** 66(1):27–31, Jan 76
Avian infectious bronchitis vaccine: primordial or derived virus? Cunningham CH. **Dev Biol Stand** 33:311–20, 1976 (51 ref.)
Viral hepatitis type B: propects for active immunization. Krugman S. **Dev Biol Stand** 30:363–7, 1975
Some considerations regarding active immunization with HBsAg. Prince AM, et al. **Dev Biol Stand** 30:368–74, 1975
Comparative tests on safety and potency of IBA vaccines. Vielitz E, et al. **Dev Biol Stand** 33:332–9, 1976
Efficacy of Japanese encephalitis vaccine in horses. Goto H. **Equine Vet J** 8(3):126–7, Jul 76
Modified polyriboinosinic–polyribocytidylic acid, an immunological adjuvant. Houston WE, et al. **Infect Immun** 14(1):318–9, Jul 76
The status of human diploid cell strain MRC–5 as an approved substrate for the production of viral vaccines. Jacobs JP. **J Biol Stand** 4(2):97–9, Apr 76
Improved method for production of attenuated Venezuelan equine encephalomyelitis (TC–83 strain) vaccine. Cole FE Jr, et al. **J Clin Microbiol** 3(4):460–2, Apr 76
Screen for type–C ribonucleic acid viruses in vaccines using the ribonucleic acid–dependent deoxyribonucleic acid polymerase assay. Milstien JB, et al. **J Clin Microbiol** 1(4):353–8, Apr 75
Preparation and testing of vaccines prepared from the envelopes of Venezuelan, eastern, and western equine encephalomyelitis viruses. Pedersen CE Jr. **J Clin Microbiol** 3(2):113–8, Feb 76
Comparison of vaccines against infectious bursal disease. Thornton DH, et al. **J Comp Pathol** 85(4):597–610, Oct 75
Interference between virulent and vaccine strains of Venezuelan encephalitis virus in mixed infections of hamsters. Jahrling PB. **J Gen Virol** 28(1):1–8, Jul 75
Human responses to two decavalent rhinovirus vaccines. Hamory BH, et al. **J Infect Dis** 132(6):623–9, Dec 75
Host immune responses after administration of inactivated Venezuelan equine encephalomyelitis virus vaccines. II. Kinetics of neutralizing antibody responses in donors and adoptively immunized recipients. Rabinowitz SG. **J Infect Dis** 134(1):39–47, Jul 76
Host immune responses after administration of inactivated Venezuelan equine encephalomyelitis virus vaccines. I. Description and characterization of adoptive transfer by immune spleen cells. Rabinowitz SG. **J Infect Dis** 134(1):30–8, Jul 76
Epstein–Barr virus—is it time to develop a vaccine program? Epstein MA. **J Natl Cancer Inst** 56(4):697–700, Apr 76
A killed vaccine derived from the oncogenic Herpesvirus ateles. Laufs R, et al. **J Natl Cancer Inst** 55(3):649–51, Sep 75
Attenuation of herpesvirus saimiri for marmosets after successive passage in cell culture at 39 degrees C. Schaffer PA, et al. **J Natl Cancer Inst** 55(5):1243–6, Nov 75
Evaluation of a live, attenuated respiratory syncytial virus vaccine in infants. Wright PF, et al. **J Pediatr** 88(6):931–6, Jun 76
Vaccine against human hepatitis B. Buynak EB, et al. **JAMA** 235(26):2832–4, 28 Jun 76
Editorial: Viral vaccines: the question of revaccination. Linnemann CC Jr. **JAMA** 235(1):63–4, 5 Jan 76
Studies on a test vaccine for equine influenza virus. I. Production of a test vaccine. Nagamine T, et al. **Kitasato Arch Exp Med** 48(2–3):53–67, Sep 75
Studies on a test vaccine for equine influenza virus. II. Field trials. Nagamine T, et al. **Kitasato Arch Exp Med** 48(2–3):69–82, Sep 75
Letter: Contact infection from live varicella vaccine recipients. Asano Y, et al. **Lancet** 1(7966):965, 1 May 76
Immunisation against hepatitis B in man. Maupas P, et al. **Lancet** 1(7974):1367–70, 26 Jun 76
Inactivated Mayaro vaccine produced in human diploid cell cultures. Robinson DM, et al. **Milit Med** 141(3):163–6, Mar 76
Vaccination of young chickens with live vaccine against some New Zealand isolates of infectious bronchitis virus. Bengelsdorff HJ, et al. **NZ Vet J** 23(5):85–92, May 75
Cell–mediated immunity to respiratory syncytial virus induced by inactivated vaccine or by infection. Kim HW, et al. **Pediatr Res** 10(1):75–8, Jan 76
Efficacy of lyophilized turkey herpesvirus vaccine against Marek's disease in broilers. Eidson CS, et al. **Poult Sci** 54(6):1868–74, Nov 75
Serum electrophoretic pattern of chickens vaccinated with R2B (Mukteswar) and F strain of Newcastle disease virus. Khare ML, et al. **Poult Sci** 54(6):1946–52, Nov 75
[Practical aspects of live virus vaccines (author's transl)] Rossi E. **Praxis** 64(4):81–3, 28 Jan 75 **(Eng, Ger, Fre)**
Study design for a hepatitis B vaccine trial. Lustbader ED, et al. **Proc Natl Acad Sci USA** 73(3):955–9, Mar 76
Hepatitis B: nature of the virus and prospects for vaccine development. Zuckerman AJ. **Prog Liver Dis** 5:326–36, 1976 (47 ref.)
Prospects for herpesvirus vaccination—safety and efficacy considerations. Parks WP, et al. **Prog Med Virol** 21:188–206, 1975
The development and use of vaccines based on studies of virus substructures. Rubin BA, et al. **Prog Med Virol** 21:144–57, 1975
Further studies on the adjuvant effect of an interferon inducer (BRL 5907) on Newcastle disease and avian influenza inactivated vaccines. Gough RE, et al. **Res Vet Sci** 19(2):185–8, Sep 75
Immunisation of cattle against the herpesvirus of malignant

catarrhal fever: failure of inactivated culture vaccines with adjuvant. Plowright W, et al. **Res Vet Sci** 19(2):159–66, Sep 75

A practitioner's experience with experimental reo-coronavirus calf diarrhea vaccine. Blackmer PE. **Vet Med Small Anim Clin** 71(3):351–4, Mar 76

Comparisons of cell-free and cell-associated Marek's disease vaccines in maternally immune chicks. Basarab O, et al. **Vet Rec** 99(1):4–6, 3 Jul 76

Letter: AHS vaccine. Dvies FG. **Vet Rec** 98(2):36, 10 Jan 76

Letter: Protection by IBV vaccine. Philip JI. **Vet Rec** 99(2):36, 10 Jul 76

Field evaluation of Newcastle disease immunisation by concurrent inactivated oil-emulsion and live B1 vaccines. Robertson WW, et al. **Vet Rec** 98(1):14–5, 3 Jan 76

Combined distemper/measles vaccine. Wilson JH, et al. **Vet Rec** 98(2):32–3, 10 Jan 76

[Antibody formation in swine vaccinated with a lapinized K-vaccine and serum against hog cholera] Dimitrov K, et al. **Vet Med Nauki** 12(9):40–5, 1975 (Eng. Abstr.) **(Bul)**

[Immunological reactivity of suckling pigs born to sows immunized against the lapinized K vaccine] Gavrilov N, et al. **Vet Med Nauki** 12(6):62–72, 1975 (Eng. Abstr.) **(Bul)**

[The epizootologic effectiveness of Deptavac-HVT vaccine against Marek's disease in growing parents] Nikolova M, et al. **Vet Med Nauki** 12(7):8–14, 1975 (Eng. Abstr.) **(Bul)**

[Development of new vaccines] Penttinen K. **Duodecim** 92(12):643–6, 1976 **(Fin)**

[Suitability of immune serums from different animal species for the preparation of conjugates against Aujeszky's disease virus] Chumchal R, et al. **Arch Exp Veterinaermed** 29(3):357–68, Jun 75 (Eng. Abstr.) **(Ger)**

[Studies on the Relationship between immunity and the level of neutralizing antibodies in pigs vaccinated against foot-and-mouth disease (author's transl)] Bauer K, et al. **Arch Virol** 49(4):349–57, 1975 (Eng. Abstr.) **(Ger)**

[Editorial: Administration of live virus vaccines in pregnancy] Zakaj-Ronas Z. **Harefuah** 90(1):27–30, 1 Jan 76 (84 ref.) **(Heb)**

[Immune response to vaccination with live Newcastle disease virus and killed emulsified virus in chicks without specific parental antibodies or with high antibody titres (author's transl)] Quaglio GL, et al. **Folia Vet Lat** 5(3):353–72, Jul-Sep 75 **(Ita)**

[Present condition and future prospects of viral vaccines] Shishido R. **J Jpn Assoc Infect Dis** 50(3):89–92, Mar 76 **(Jpn)**

[Behavior of the strain Lasoto in kidney swine cell IB-RS2 (clone 13) and utilization of the floating liquid of the celular culture as Newcastle disease vaccine (author's transl)] July JR, et al. **Arq Inst Biol (Sao Paulo)** 40(4):321–30, Oct-Dec 73 (Eng. Abstr.) **(Por)**

[Experience in the peroral immunization of laboratory animals with the para-influenza virus] Nikitina LE, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:84–8, 1973 **(Rus)**

[Use of the embryos of Japanese quail for the production of biological preparations] Bogomolova NN, et al. **Veterinariia** (8):37, Aug 75 **(Rus)**

[Immunobiological properties of strains of foot-and-mouth disease virus multiplying in cell cultures] Efimov NI, et al. **Veterinariia** (5):53–5, May 75 **(Rus)**

[Evaluation of dry viral vaccines against viral hepatitis of ducks from the VGNKI strain] Zubtsova RA, et al. **Veterinariia** (3):66–8, Mar 76 **(Rus)**

[Evaluation of arbovirus attenuation by changes in the histamine level in the blood of immunized animals] Beketova ZP, et al. **Vopr Virusol** (2):151–5, Mar-Apr 75 (Eng. Abstr.) **(Rus)**

[Approach to the development of an actovaccine using vaccinia virus as a model] Chimishkian KL, et al. **Vopr Virusol** (3):273–8, May-Jun 75 (Eng. Abstr.) **(Rus)**

[Study of tissue culture herpes vaccine] Maevskai TM, et al. **Vopr Virusol** (6):715–8, Nov-Dec 75 (Eng. Abstr.) **(Rus)**

[Vaccines. VI. Further advances in viral vaccines] Hottle G. **Gac Med Mex** 111(4):279–84, Apr 76 **(Spa)**

ADMINISTRATION & DOSAGE

The immunological response of calves after submucosal application of a live vaccine against parainfluenza-3- and adenovirus. (Brief report). Haralambiev H. **Arch Exp Veterinaermed** 29(3):397–400, Jun 75

Aerosol vaccination against Newcastle disease. I. Studies on particle size. Villegas P, et al. **Avian Dis** 20(1):179–90, Jan-Mar 76

Aerosol vaccination against Newcastle disease. II. Effect of vaccine diluents. Villegas P, et al. **Avian Dis** 20(2):260–7, Apr-Jun 76

Immunity to infectious bronchitis virus from spray vaccination with derivatives of a Holland strain. Winterfield RW, et al. **Avian Dis** 20(1):42–8, Jan-Mar 76

Newcastle disease vaccines: a study of duration of immunity and properties of LaSota vaccine given in drinking water. Owolodun BY, et al. **Br Vet J** 131(5):580–5, Sep-Oct 75

Letter to the editor: A field trial to evaluate an intranasal infectious bovine rhinotracheitis vaccine. Curtis RA. **Can Vet J** 16(9):274, Sep 75

Local immunity in Newcastle disease: some recent experiments. Aitken ID, et al. **Dev Biol Stand** 33:302–8, 1976

The epizootiology of infectious bursal disease and prevention of it by immunization. Edgar SA, et al. **Dev Biol Stand** 33:349–56, 1976

Application of the turkey herpesvirus vaccine by the aerogenic route for the prevention of Marek's disease. Eidson CS, et al. **Dev Biol Stand** 33:370–5, 1976

Vaccination against avian encephalomyelitis with special reference to the spray method. Folkers C, et al. **Dev Biol Stand** 33:364–9, 1976

Dry aerosol vaccination against Newcastle disease. I. Safety and activity controls on chickens. Fournier JM, et al. **Dev Biol Stand** 33:269–72, 1976

Dry aerosol vaccination against Newcastle disease: II. Serological response in chicks. Gaudry D, et al. **Dev Biol Stand** 33:273–8, 1976

Oral immunization of ducklings with attenuated duck hepatitis virus. Hanson LE, et al. **Dev Biol Stand** 33:357–63, 1976

Newcastle disease. Environmental and host influences on immunity induced by non-parenteral vaccination. Hanson RP. **Dev Biol Stand** 33:297–301, 1976

Antibodies in blood and secretions of chickens immunized parenterally and locally with killed Newcastle disease virus vaccine. Katz D, et al. **Dev Biol Stand** 33:290–6, 1976

Aerosol administration of Newcastle disease vaccines at one day of age. Kleven SH, et al. **Dev Biol Stand** 33:279–85, 1976

Further studies on the neonatal ferret model of infection and immunity to and attenuation of human parainfluenza viruses. Mascoli CC, et al. **Dev Biol Stand** 33:384–90, 1976

Oral immunization against pox. Studies on fowl pox as a model. Mayr A, et al. **Dev Biol Stand** 33:249–59, 1976

Immune response to orally administered calf reovirus-like agent and coronavirus vaccine. Mebus CA, et al. **Dev Biol Stand** 33:396–403, 1976

Vaccination by the non-parenteral route of virus disease in the veterinary field. Menassé I. **Dev Biol Stand** 33:33–40, 1976

Studies on vaccination against infectious laryngotracheitis by the drinking water. Seimenis A, et al. **Dev Biol Stand** 33:328–31, 1976

Studies on vaccination against Newcastle disease with the 'Komarov' strain of virus by the drinking water. Seimenis A, et al. **Dev Biol Stand** 33:286–9, 1976

Comparative studies on parenteral and intranasal inoculation of an attenuated feline herpes virus. Slater E, et al. **Dev Biol Stand** 33:410–6, 1976

Transmissible gastroenteritis of swine. Efficacy assay of an intramammary use vaccine. Tamoglia TW, et al. **Dev Biol Stand** 33:404–9, 1976

Intranasal vaccination of cattle against IBR and PI3: field and laboratory observations in dairy, beef, and neonatal calf populations. Todd JD. **Dev Biol Stand** 33:391–5, 1976

Immunity studies in calves vaccinated with a multivalent live respiratory vaccine composed of I.B.R., parainfluenza 3 and bovine adenovirus type 3. Zygraich N, et al. **Dev Biol Stand** 33:379–83, 1976

Preservation of a T cell-mediated immune response in Marek's disease virus-infected chickens by vaccination with a related virus. Schierman LW, et al. **J Immunol** 116(5):1497–9, May 76

Vaccination of chickens against Marek's disease with the turkey herpesvirus vaccine using a pneumatic vaccinator. Eidson CS, et al. **Poult Sci** 55(3):960–9, May 76

Efficacy of turkey herpesvirus vaccine when administered simultaneously with fowl pox vaccine. Eidson CS, et al. **Poult Sci** 54(6):1975–81, Nov 75

Efficacy of intratracheal administration of Newcastle disease vaccine in day-old chicks. Eidson CS, et al. **Poult Sci** 55(4):1252–67, Jul 76

[Effect of IR rays on the titers and protein fractions of the blood serum in chicks vaccinated with La Sota vaccine] Bodurova T. **Vet Med Nauki** 12(4):88–94, 1975 (Eng. Abstr.) **(Bul)**

[Experiments to determine the immunizing dosages in a single vaccinal dose of dried, lapinized K vaccine against swine plague] Dimitrov K. **Vet Med Nauki** 13(1):59–62, 1976 (Eng. Abstr.) **(Bul)**

[Effectiveness of a Bulgarian vaccine against Marek's disease in broilers] Kasabov R, et al. **Vet Med Nauki** 13(3):53–8, 1976 (Eng. Abstr.) **(Bul)**

[Effectiveness of Deptavac HVT vaccine on broiler parents during the egg-laying period] Tsonev Ts, et al. **Vet Med Nauki** 13(4):50–7, 1976 (Eng. Abstr.) **(Bul)**

[Peroral immunization against pox. 5. Effectiveness of drinking water vaccination against fowl pox] Danner K, et al. **Zentralbl Veterinaermed [B]** 22(4):274–84, Jun 75 (Eng. Abstr.) **(Ger)**

[Antibody formation and resistance in dogs vaccinated intravenously and subcutaneously against distemper and Rubarth's disease] Górski J. **Pol Arch Weter** 18(1):23–34, 1975 (Eng. Abstr.) **(Pol)**

[Principle characteristics of the electroaerosol vaccine and its immunologic effectiveness] Bureev IA, et al. **Veterinariia** (3):58–61, Mar 76 **(Rus)**

[Use of a viral vaccine against Marek's disease] Derevleva TA, et al. **Veterinariia** (6):53–4, Jun 76 **(Rus)**

[Formation of immunity in poultry in relation to the dose of the La-Sota vaccine] Rezvykh AG. **Veterinariia** (2):47–9, Feb 75 **(Rus)**

[Morphological changes in the thymus against a background of immunization with bacterial and viral vaccines] Tegicheva IE, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):135–6, May 75 **(Rus)**

[Use and effectiveness of multiple vaccines of life viruses] Villarejos VM. **Bol Of Sanit Panam** 78(2):132–7, Feb 75 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Effects of viruses and viral vaccines on the CNS. Dayan AD. **Proc R Soc Med** 68(9):562, Sep 75

[The 'Vaccination Reaction' syndrome of broilers after vaccination against Newcastle disease and infectious bronchitis (author's transl)] Smits WH, et al. **Tijdschr Diergeneeskd** 101(12):649–57, 15 Jun 76 (Eng. Abstr.) **(Dut)**

[Vaccine-associated poliomyelitis] Rosenthal T, et al. **Harefuah** 90(1):25–6, 1 Jan 76 **(Heb)**

[Vaccines and pregnancy] Dagasso DF. **Minerva Ginecol** 28(2):154–62, Feb 76 (Eng. Abstr.) **(Ita)**

[Effect of immunization of mice with live viral vaccines on bone marrow cell chromosomes in 1st generation progeny] Gorshunova LP, et al. **Tsitol Genet** 9(6):542–5, Nov-Dec 75 **(Rus)**

[Anaphylactic reaction in cattle following the administration of the anti-foot-and-mouth disease vaccine] Chepurkin AV, et al. **Veterinariia** (5):64–5, May 75 **(Rus)**

HISTORY

[Letter: Immunization against varicella (the priority of Pál Ferencz)] Boda D. **Orv Hetil** 116(47):2807, 23 Nov 75 **(Hun)**

ISOLATION & PURIFICATION

Purification of Japanese encephalitis virus vaccine by zonal centrifugation. Okuda K, et al. **J Clin Microbiol** 1(1):96–101, Jan 75

[Production of a vaccine against pseudoplague in poultry using the La Sota strain] Cholakova R. **Vet Med Nauki** 13(3):79–84, 1976 (Eng. Abstr.) **(Bul)**

[Production and testing of a live lyophilized bivalent vaccine against Aujeszky's disease and erysipelas in swine] Vasilev V, et al. **Vet Med Nauki** 13(3):74–8, 1976 (Eng. Abstr.) **(Bul)**

[Experience in the production of cell-free chickenpox virus in cultures of diploid human cells] Iovlev VI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:156–62, 1973 **(Rus)**

PHARMACODYNAMICS

[Study of the immunogenic properties of inactivated vaccines prepared with the infectious bovine rhinotracheitis virus (IBR)] Khristov S, et al. **Vet Med Nauki** 13(3):8–13, 1976 (Eng. Abstr.) **(Bul)**

[Immunogenic properties of a polyvalent inactivated vaccine from respiratory viruses (IBR, Pi-3, Ad-1, Ad-3] Khristov S, et al. **Vet Med Nauki** 13(4):36–44, 1976 (Eng. Abstr.) **(Bul)**

[Use of the live hog cholera vaccine Suiferin C in breeding stock. 1. Effects on reproduction] Dingeldein W, et al. **Dtsch Tieraerztl Wochenschr** 83(4):129–33, 5 Apr 76 (Eng. Abstr.) **(Ger)**

[Comparative characteristic of changes in the adrenals against a background of immunization with viral and bacterial antigens] Tikhonova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** (12):89–91, Dec 75 (Eng. Abstr.) **(Rus)**

STANDARDS

Basic principles and stages in testing new vaccines against respiratory viruses. Zykov MP, et al. **Am Rev Respir Dis** 113(1):61–6, Jan 76

Infectious bursal disease vaccine: some remarks on production and control. Cessi D, et al. **Dev Biol Stand** 33:340–2, 1976

The proposed international standard for infectious bronchitis vaccine (live). Frerichs CC. **Dev Biol Stand** 33:321–7, 1976

Standard requirements for vaccines against infectious bursal disease. Thornton DH. **Dev Biol Stand** 33:343–8, 1976

Bacteriophage control of some virus vaccines and organ extracts for human use. Netter R, et al. **J Biol Stand** 3(3):311–9, 1975

Editorial: Vaccination against hepatitis B. **Lancet** 1(7974):1391, 26 Jun 76

Hepatitis-B vaccine. Safety criteria and non-B infection. Zuckerman AJ. **Lancet** 1(7974):1396–7, 26 Jun 76

Acceptability and antigenicity of adjuvant soluble sub-unit adenovirus vaccines in navy recruits. Rosenbaum MJ, et al. **Milit Med** 141(6):383–8, Jun 76

[Comparative study of immunity in swine vaccinated with foot-and-mouth disease vaccines prepared with various adjuvants] Mitev G, et al. **Vet Med Nauki** 12(1):16–22, 1975 (Eng. Abstr.) **(Bul)**

[Comparative testing of methods for the control of foot-and-mouth disease vaccines on guinea pigs] Tekerlekov P, et al. **Vet Med Nauki** 12(1):25–9, 1975 (Eng. Abstr.) **(Bul)**

[Durability testing of a DEAE dextran-containing foot-and-mouth-disease vaccine in pigs] Rödder H. **Dtsch Tieraerztl Wochenschr** 82(5):183–4, 5 May 75 (Eng. Abstr.) **(Ger)**

[Current testing methods for live measles and mumps vaccines] Popov VF. **Z Gesamte Hyg** 22(1):66–8, Jan 76 (Eng. Abstr.) **(Ger)**

[Complex biological evaulation of viral vaccines against Marek's disease] Korovin RN, et al. **Veterinariia** (4):39–40, Apr 75 **(Rus)**

[Study of the reactogenic and immunogenic properties of a live vaccine against infectious rhinotracheitis] Kriukov NN, et al. **Veterinariia** (2):40–2, Feb 76 **(Rus)**

[Immunogenicity of the attenuated strain of the virus of contagious ecthyma of sheep] Shakhbazov EG. **Veterinariia** (5):56–7, May 75 **(Rus)**

THERAPEUTIC USE

Immunization against mucosal disease—bovine viral Diarrhea (MD–BVD) in calves applying lapinized vaccine against swine fever and a modified live virus of MD–BVD. Haralambiev H, et al. **Arch Exp Veterinaermed** 29(5):701–4, 1975

Practical aspects concerning combined live viral vaccines. Hielleman MR, et al. **Praxis** 64(4):98–108, 28 Jan 75

[Vaccination against viral diseases] Stickl VH. **Fortschr Med** 94(4):159–64, 5 Feb 76 (Eng. Abstr.) **(Ger)**

[Report on Lupidon H and G, a Herpes simplex vaccine (author's transl)] Koinis G, et al. **Praxis** 64(37):1176–9, 16 Sep 75 (Eng. Abstr.) **(Ger)**

[Antibody titers—curse in patients with recurring Herpes simplex virus infections under vaccination with heat–inactivated Herpes viruses] Remy W, et al. **Z Hautkr** 51(3):103–7, 1 Feb 76 (Eng. Abstr.) **(Ger)**

VIRAZOLE see under **RIBONUCLEOSIDES**

VIRGINIAMYCINS

[Effect of pH on the speed of alteration of virginiamycin factor s in aqueous medium] Rollmann B, et al. **Pharm Acta Helv** 50(12):455–60, 1975 **(Fre)**

ANALYSIS

Solution conformation of virginiamycins (staphylomycins). Anteunis MJ, et al. **Eur J Biochem** 58(2):259–68, 15 Oct 75

METABOLISM

[Local antibiotic therapy and bone repair] Opdecam P, et al. **Acta Orthop Belg** 41(5):589–96, Sep–Oct 75 **(Fre)**

PHARMACODYNAMICS

Effect of virginiamycin on the growth cycle of Bdellovibrio. Varon M, et al. **Antimicrob Agents Chemother** 9(1):179–88, Jan 76

Characterization of the antibiotic resistance plasmid ERL1 from Streptococcus pyogenes. Malke H, et al. **Mol Gen Genet** 144(3):333–8, 30 Mar 76

In vitro susceptibility of Treponema hyodysenteriae to carbadox, virginiamycin, and tylosin. Williams BJ, et al. **Vet Med Small Anim Clin** 71(7):957–9, Jul 76

[Nutritive action of flavophospholipol and virginiamycin on broiler pullets] Drumev D, et al. **Vet Med Nauki** 13(1):29–36, 1976 (Eng. Abstr.) **(Bul)**

VIRILISM

see related
ADRENOGENITAL SYNDROME

CHEMICALLY INDUCED

Quantitative evaluation of virilizing activity of steroids by measuring morphological changes in uro–genital region of rats. Kawashima K, et al. **Endocrinol Jpn** 22(5):439–44, Oct 75

Postmedicamentous voice virilisation. X–ray examination of the larynx. pp. 396–9. Pruszewicz A, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

[Laryngeal changes induced by androgenic hormone in female white mice] Heinemann M. **Folia Phoniatr (Basel)** 26(6):461–70, 1974 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Dominant peripheral polyneuropathy associated to pilar virilism and obesity. Vasilescu C, et al. **Rev Roum Med [Neurol Psychiatr]** 13(3):187–94, 1975

[Adrenogenital syndrome with arterial hypertension and complete sex inversion] Rudziński A, et al. **Wiad Lek** 28(20):1735–9, 15 Oct 75 (Eng. Abstr.) **(Pol)**

CONGENITAL

[Congenital virilization in a newborn girl of a mother with adrenogenital syndrome due to 21–hydroxylase deficiency] Ferrante L. **Minerva Pediatr** 28(22):1443–4, 23 Jun 76 **(Ita)**

DRUG THERAPY

[Cyproterone acetate – ethinylestradiol treatment of hirsutism, acne, seborrhea and alopecia] Nardi M, et al. **Acta Eur Fertil** 6(2):153–65, Jun 75 **(Eng, Ita)**

Use of cyproterone acetate (CPA) in the treatment of acne, hirsutism and virilism. Hammerstein J, et al. **J Steroid Biochem** 6(6):827–36, Jun 75

[The treatment of virilizing syndromes. Comparative clinical studies of 2 antiandrogen–active gestagens (cyproterone acetate, megestrol acetate] Grund E, et al. **Med Welt** 26(48):2180–7, 28 Nov 75 **(Ger)**

ETIOLOGY

Masculinizing granulosa cell tumour. Wilansky DL, et al. **Can Med Assoc J** 115(6):545–6, 18 Sep 76

Steroidogenesis in a virilizing ovarian tumour. Maschler I, et al. **Clin Endocrinol (Oxf)** 4(4):427–36, Jul 1975

Masculinizing tumors of the ovary. Aimakhu VE, et al. **J Natl Med Assoc** 68(1):34–8, Jan 76

Case records of the Massachusetts General. Weekly clinicopathological exercises. Case 6–1976. **N Engl J Med** 294(6):326–31, 5 Feb 76

Peripheral steroid levels in a patient with virilizing adrenal adenoma. Chakmakjian ZH, et al. **Obstet Gynecol** 46(5):544–8, Nov 75

[An unusual virilizing association: arrhenoblastoma and Stein–Leventhal syndrome] Lodi A, et al. **G Clin Med** 55(11):759–71, Nov 74 (Eng. Abstr.) **(Ita)**

[Virilization syndrome of adrenal gland origin] Massolo F, et al. **Minerva Pediatr** 28(22):1454–60, 23 Jun 76 **(Ita)**

[Virilizing carcinoma of the adrenal glands with increased pregnanetrioluria and hormone dependence] Mastrogiacomo I, et al. **Minerva Pediatr** 28(22):1461–6, 23 Jun 76 **(Ita)**

PHYSIOPATHOLOGY

[Typo–biological evaluation of patients with pubertal–juvenile dyspituitarism] Mirimanova RP, et al. **Vopr Okhr Materin Det** 20(7):41–5, Jul 75 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Virilizing adrenocortical adenoma studied by selective adrenal venography. Gabrilove JL, et al. **Am J Obstet Gynecol** 125(2):180–4, 15 May 76

URINE

[Gas chromatography of urine steroids in differential diagnosis of some endocrine diseases (author's transl)] Gregorová I, et al. **Sb Lek** 77(9):266–70, Sep 75 (Eng. Abstr.) **(Cze)**

[Complex biochemical aspects in virilizing adrenal gland syndromes] Ferrante L. **Minerva Pediatr** 28(22):1403–5, 23 Jun 76 **(Ita)**

VIROLOGY

Presentation of the Academy Medal to George K. Hirst, M.D. Kilbourne ED. **Bull NY Acad Med** 51(10):1133–6, Nov 75

Report from National Institutes of Health/World Health Organization Workshop on advances in comparative virology. Gillespie JH. **Folia Vet Lat** 5(3):455–74, Jul–Sep 75

Medicine and the two faces of virology. Horstmann DM. **J Infect Dis** 133(2):233–8, Feb 76

[Solved and unsolved problems in clinical virology] Haas R. **Fortschr Med** 93(31):1553–6, 6 Nov 75 **(Ger)**

[Clinical bacteriology, clinical virology, hospital hygiene] Grubb R, et al. **Lakartidningen** 73(6):402–3, 4 Feb 76 **(Swe)**

HISTORY

The development of the virus concept as reflected in corpora of studies on individual pathogenslessons of the plant viruses—tobacco mosaic virus. Wilkinson L. **Med Hist** 20(2):111–34, Apr 76

Twenty–five years of activity of the 'Stefan S. Nicolau' Institute of Virology (1949–1974). Cajal N. **VIROLOGIE** 26(1):3–11, 1975

Causation and disease: the Henle–Koch postulates revisited. Evans AS. **Yale J Biol Med** 49(2):175–95, May 76

[The centenary of Constantin Levaditi] Cajal N. **Rev Roum Virol** 25(3):193–5, 1974 **(Fre)**

[Discovery of the foot–and–mouth disease virus] Schadewaldt H. **Dtsch Med Wochenschr** 100(45):2355–9, 7 Nov 75 **(Ger)**

INSTRUMENTATION

Standardization of reference preparations–factors influencing assay of attenuated polioviruses. Arya SC. **Indian J Med Res** 63(5):625–30, May 75

METHODS

A simple technique for demonstrating transmission of dengue virus by mosquitoes without the use of vertebrate hosts. Gubler DJ, et al. **Am J Trop Med Hyg** 25(1):146–50, Jan 76

Laboratory techniques in ocular virology. Pavan PR. **Int Ophthalmol Clin** 15(4):1–18, Winter 75 (27 ref.)

STANDARDS

Quality control in diagnostic virology. Hart RJ. **Proc R Soc Med** 68(10):622–4, Oct 75

VIRULENCE

Opportunistic infections. Lauter CB. **Heart Lung** 5(4):601–6, Jul–Aug 76

Retention of motility and virulence of Treponema pallidum (Nichols strain) in vitro. Graves SR, et al. **Infect Immun** 12(5):1116–20, Nov 75

Siderochrome production by Yersinia pestis and its relation to virulence. Wake A, et al. **Infect Immun** 12(5):1211–3, Nov 75

Klebsiella L–forms: effect of growth as L–form on virulence of reverted Klebsiella pneumoniae. Guze LB, et al. **J Infect Dis** 133(3):245–52, Mar 76

Possible selection of virulent poliovirus strains in Third–World countries. Metselaar D. **Lancet** 1(7952):174–6, 24 Jan 76

Pili, plasmids, and microbial virulence. Kline BC. **Mayo Clin Proc** 51(1):3–5, Jan 76

[Effect of depressing the virulence of a Salmonella guertnera strain with an avirulent strain of the same species] Mikhailov IF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 0(9):132–3, Sep 75 **(Rus)**

[Comparative characteristics of the structure of Erwinia nimipressuralis and the localization of esterases in bacteria with varying virulence] Gvozdiak RI, et al. **Mikrobiol Zh** 36(4):435–40, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Polycationic modified polypeptides enhancing poly I:C induced viral resistance. Kótai A, et al. **Experientia** 31(10):1165–7, 15 Oct 75

Immunomodification and the expression of virulence in mice by defined strains of Semliki Forest virus: the effects of cyclophosphamide. Bradish CJ, et al. **J Gen Virol** 28(2):225–37, Aug 75

VIRUS CULTIVATION

see related
TISSUE CULTURE

Growth of rubella virus in primary rabbit kidney cell cultures maintained with and without calf serum. Filczak K, et al. **Acta Microbiol Pol [A]** 8(1):79–86, 1976

Experiences with the adaptation of crimean hemorrhagic fever virus to the CV–1 monkey cell line. Benda R, et al. **Acta Virol (Praha)** 19(4):340–8, Jul 75

Use of duck embryo cell cultures for the study of arbovirus reproduction. Borisova SM, et al. **Acta Virol (Praha)** 19(5):432–4, Sep 75

Marek's disease virus (Kekava strain) replication in chickens, chick embryos and cell cultures. Yakovleva LS, et al. **Acta Virol (Praha)** 19(4):293–8, Jul 75

Replication of bovine coronavirus in cell line BEK–1 culture. Inaba Y, et al. **Arch Virol** 50(4):339–42, 1976

Autoclavable low cost serum–free cell culture media: the growth of established cell lines and production of viruses. Keay L. **Biotechnol Bioeng** 18(3):363–82, Mar 76

Evidence for the multiplication of hepatitis B virus in 'oval cell' culture originated from human embryonic liver. Watanabe M, et al. **Br J Exp Pathol** 57(2):211–6, Apr 76

Production responsibilities: private sector and commercial producer of virus. pp. 159–61. Rogoff MH.
In: Summers M, et al., ed. Baculoviruses for insect pest control: safety considerations. Washington, D.C., American Society for Microbiology, 1975. QX 600 B131 1974.

Exposure of humans to nuclear polyhedrosis virus during industrial production. pp. 102–5. Rogoff MH.
In: Summers M, et al., ed. Baculoviruses for insect pest control: safety considerations. Washington, D.C., American Society for Microbiology, 1975. QX 600 B131 1974.

Virus production and the public sector. pp. 163–4. Yendol WG.
In: Summers M, et al., ed. Baculoviruses for insect pest control: safety considerations. Washington, D.C., American Society for Microbiology, 1975. QX 600 B131 1974.

Cell–associated subacute sclerosing panencephalitis agent studied in organotypic central nervous system cultures: viral rescue attempts and morphology. Sheppard RD, et al. **Infect Immun** 12(4):891–900, Oct 75

Letter: Rotavirus growth in bovine monolayers. Albrey MB, et al. **Lancet** 1(7962):753, 3 Apr 76

Cultivation of viral agents from Crohn's disease. A new sensitive system. Gitnick GL, et al. **Lancet** 2(7979):215–7, 31 Jul 76

Letter: Probable in–vitro cultivation of human reovirus–like agent of infantile diarroea. Wyatt RG, et al. **Lancet** 1(7950):98–9, 10 Jan 76

An in vitro focus–induction assay for xenotropic murine leukemia virus, feline leukemia virus C, and the feline–primate viruses RD–114/CCC/M–7. Peebles PT. **Virology** 67(1):288–91, Sep 75

Morphologic heterogeneity in egg– and monolayer–propagated newcastle disease virus. Roman JM, et al. **Virology** 69(1):287–97, Jan 76

Defective interfering particles in monolayer–propagated Newcastle disease virus. Roman JM, et al. **Virology** 69(1):298–303, Jan 76

[Attempts to culture hepatitis B virus on human fetal hepatocytes: preliminary results] Debré MR. **C R Acad Sci [D] (Paris)** 282(1):127–29, 5 Jan 76 (Eng. Abstr.) **(Fre)**

[Multiplication of adenovirus type 18 in cultures of human fetal trachea] D'Ambrosio E, et al. **Boll Soc Ital Biol Sper** 51(8):505–9, 15 Apr 75 **(Ita)**

[Production and characterization of some mouse embryo cellular substrates in vitro] Voiculescu C, et al. **Rev Ig [Bacteriol]** 21(2):111–20, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Culturing the virus of utricular foulbrood of bees] Naumenkov VI. **Veterinariia** (9):47, Sep 74 **(Rus)**

[Study of organ cultures of human embryonic intestines infected with the human cytomegalovirus and the Japanese encephalitis virus] Gadashevich VN, et al. **Vopr Virusol** (5):586–92, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Comparative study of Aujeszky's disease virus reproduction in a suspension of poultry embryonic cells and tissues (author's transl)] Osidze DF, et al. **Vopr Virusol** (5):581–6, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Analysis of cultures infected by vaccinal strains of viruses for detecting in them the integrated genome of these viruses (author's transl)] Sadogurskaia EM, et al. **Vopr Virusol** (5):528–32, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Use of organ cultures of animal trachea and lung for studying respiratory viruses] Sokolova NN, et al. **Vopr Virusol** (2):220–2, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Cultivation of reovirus in human embryonic organ cultures] Trofimov NM, et al. **Vopr Virusol** (2):147–51, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Cell cultures in Erlenmeyer flasks for obtaining viral plaques] Shirobokov VP. **Mikrobiol Zh** 36(4):530–2, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

METHODS

Tissue and organ culture studies of hepatitis B virus. Zuckerman AJ. **Am J Med Sci** 270(1):197–204, Jul–Aug 75

Growth of Japanese encephalitis virus in Culex tritaeniorhynchus cell cultures. Hsu SH, et al. **Am J Trop Med Hyg** 24(5):881–8, Sep 75

Production of infectious Epstein–Barr virus by using an intermittent culture collection system. Klein F, et al. **Appl Environ Microbiol** 31(6):995–8, Jun 76

Reciprocal antagonism of two transfection methods. Dubes GR. **Arch Virol** 48(3):271–4, 1975

Isolation of herpes simplex virus clones and drug resistant mutants in microcultures. Klein RJ. **Arch Virol** 41(1):73–80, 1975

In–vitro cultivation of human cytomegalovirus in thyroid epithelial cells. Knowles WA. **Arch Virol** 50(1–2):119–24, 1976

Large–scale production of virus. Nicklin PM, et al. **Biotechnol Bioeng** 18(5):723–7, May 76

The production of foot–and–mouth disease virus from BHK 21 C 13 cells grown on the surface of DEAE sephadex A50 beads. Spier RE, et al. **Biotechnol Bioeng** 18(5):659–67, May 76

The production of foot–and–mouth disease virus from BHK 21 C 13 cells grown on the surface of glass spheres. Spier RE, et al. **Biotechnol Bioeng** 18(5):649–57, May 76

Human leukocyte interferon: production, purification, stability, and animal experiments. Cantell K, et al. **In Vitro [Monogr]** 0(3):35–8, 1974 (20 ref.)

Skim passage: a rapid method of adapting influenza viruses to new host tissues. de Saint Groth SF, et al. **Intervirology** 5(6):335–41, 1975

Measles, mumps and rubella virus vaccines prepared from virus produced by unit process. McAleer WJ, et al. **J Biol Stand** 3(4):381–4, 1975

Simplified method for efficient intravascular inoculation of chicken embryos. Kelling CL, et al. **J Clin Microbiol** 4(1):104–5, Jul 76

Rolling round bottle culture of HmLu–1 cells and the production of bovine ephemeral fever virus. Sato K, et al. **Natl Inst Anim Health Q (Tokyo)** 15(3):109–15, Fall 75

An in vitro focus–induction assay for xenotropic murine leukemia virus, feline leukemia virus C, and the feline–primate viruses RD–114/CCC/M–7. Peebles PT. **Virology** 67(1):288–91, Sep 75

[Studies on the adaptation of various strains of orthomyxovirus type A, subtype A/equi 2, passaged either on bovine kidney cells or on chicken fibroblasts or on RK–13 cells or by those passages alternating with 'in ovo' passages] Bonaduce D, et al. **Boll Ist Sieroter Milan** 54(4):253–71, 20 Oct 75 (130 ref.) **(Ita)**

[Experience in the production of cell–free chickenpox virus in cultures of diploid human cells] Iovlev VI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:156–62, 1973 **(Rus)**

[Methods of preparation and cultivation of tissue cultures from rabbit kidney for manufacturing purposes] Nifontova AI, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 42:150–5, 1973 **(Rus)**

[Influence of the number of passages of the rabies virus on the immunogenicity of the antirabies phenol vaccine] Karumidze VK. **Veterinariia** (12):46, Dec 75 **(Rus)**

[Development of a production method of reproducing the Aujeszky's disease virus] Osidze DF, et al. **Veterinariia** (10):39–42, Oct 75 **(Rus)**

VIRUS DISEASES

The pathogenesis of respiratory syncytial virus infection in infant ferrets. Prince GA, et al. **Am J Pathol** 82(2):339–52, Feb 76

Virus diseases of bone. Do they exist? The Neuhauser Lecture. Silverman FN. **Am J Roentgenol** 126(4):677–703, Apr 76 (126 ref.)

The role of viruses in the aetiology of connective tissue diseases. Kalliomäki JL, et al. **Ann Clin Res** 7(3):129–37, Jun 75 (122 ref.)

Editorial: Multiple sclerosis. **Br Med J** 1(6017):1030–1, 1 May 76

Viruses and the aetiology of diabetes: a study in identical twins. Nelson PG, et al. **Br Med J** 4(5991):249–51, 1 Nov 75

Virus eye diseases: agents and clinical forms. Maichuk IF. **Bull Ophthalmol Soc Egypt** 67:1–28, 1974

The arenaviruses: some priorities for future research. Johnson KM. **Bull WHO** 52(4–6):761–3, 1975

The meaning of persistent infections in nature. Mims CA. **Bull WHO** 52(4–6):747–51, 1975

Respiratory virus disease in Malaysian children: a serological study. Ong SB, et al. **Bull WHO** 52(3):376–8, 1975

Handling patients with suspected Lassa fever entering Great Britain. Woodruff AW. **Bull WHO** 52(4–6):717–21, 1975

Clinical aspects of viral infections in kidney–graft recipients. Spencer ES. **Dan Med Bull** 22(6):234–43, Sep 75

The pseudomembranous colitis associated with clindamycin therapy—a viral colitis. Steer HW. **Gut** 16(9):695–706, Sep 75

The possible rôle of oncornaviruses in murine lupus. pp. 275–9. Dixon FJ, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (22 ref.)

A microbiologist's view of investigative rheumatology. pp. 245–58. Marmion BP.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (97 ref.)

Recent attempts at implicating viruses in systemic lupus erythematosus (SLE). pp. 265–7. Phillips PE.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (26 ref.)

Rheumatic disease during the course of known viral infections: models for the possible pathogenesis of rheumatoid arthritis. pp. 205–10. Phillips PE.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (20 ref.)

Evidence for a viral aetiology of rheumatoid synovitis. pp. 213–24. Smith C, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (67 ref.)

The future. pp 214–8. Dick GW.
In: Illis LS, ed. Viral diseases of the central nervous system. Baltimore, Williams & Wilkins, 1975. WL 300 V813 1974.

Other viruses associated with infections of the fetus and newborn infant. pp. 55–61. Katz SL.
In: Krugman S, Gershon AA, ed. Infections of the fetus and the newborn infant. New York, Liss, 1975. W1 PR668E v.3 1975.

Unrecognized diseases in Africa. II. Lassa fever. **Int J Epidemiol** 4(2):76–7, Jun 75

Presumptive viral keratoconjunctivitis, mononucleosis, and the oncogenic viruses. North RD. **Int Ophthalmol Clin** 15(4):211–27, Winter 75 (30 ref.)

Evidence of a viral aetiology in endemic (Balkan) nephropathy. Apostolov K, et al. **Lancet** 2(7948):1271–3, 27 Dec 75

Neural route of infection in viral diseases of the central nervous system. Blinzinger K, et al. **Lancet** 2(7893):1374–5, 7 Dec 74

Letter: Rotavirus infections in neonates. Murphy AM, et al. **Lancet** 2(7932):452–3, 6 Sep 75

Editorial: Lassa and marburg viruses. **Med J Aust** 2(9):333–4, 30 Aug 75

How viruses affect the nervous system. Legg N. **Mod Trends Neurol** 6:99–122, 1975 (101 ref.)

Lassa fever. Wright WJ. **Nurs Times** 72(15):578–9, 15 Apr 76

Recent developments in viral gastroenteritis. Hamilton JR, et al. **Pediatr Clin North Am** 22(4):747–55, Nov 75 (26 ref.)

Patterns of respiratory virus infection. Tyrrell DA. **Postgrad Med J** 49(577):820–1, Nov 73

Viral myocarditis. Lewes D. **Practitioner** 216(1293):281–7, Mar 76 (28 ref.)

The infectious diarrheas. Franklin JE Jr. **Primary Care** 3(1):83–90, Mar 76

Natural history of herpes and C–type virus infections and their possible relation to viral oncogenesis. An animal model. Hsiung G. **Prog Med Virol** 21:58–71, 1975

Problems of human concern arising from animal models of intrauterine and neonatal infections due to viruses: a review. I. Introduction and virologic studies. Kilham L, et al. **Prog Med Virol** 20:113–43, 1975 (90 ref.)

Problems of human concern arising from animal models of intrauterine and neonatal infections due to viruses: a review. II. Pathologic studies. Margolis G, et al. **Prog Med Virol** 20:144–79, 1975 (88 ref.)

Viral interference and interferon. Dianzani F. **Ric Clin Lab** 5(3):196–213, Jul–Sep 75 (100 ref.) (Eng. Abstr.)

Causation and disease: the Henle–Koch postulates revisited. Evans AS. **Yale J Biol Med** 49(2):175–95, May 76

[Virus and autoimmunity: the problem of multiple sclerosis?] pp. 247–55. Schuller E.
In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974. (Eng. Abstr.) **(Fre)**

[Viral infection and pregnancy. Personal experience and data from the literature] Sturbois G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 3(2):201–14, Mar 74 (Eng. Abstr.) **(Fre)**

[Evolution of viral diseases of the central nervous system] de Crousaz G. **Rev Med Suisse Romande** 95(9):701–12, Sep 75 **(Fre)**

[Subacute sclerosing panencephalitis: virological and immunological aspects and etiopathegenic considerations (author's transl)] Martin JJ. **Riv Patol Nerv Ment** 95(4):427–52, Aug 74 (Eng. Abstr.) **(Fre)**

[Virological and serological studies in a maternal and infant protection center (preliminary results)] Jeddi M, et al. **Tunis Med** 54(1):500–3, Jan–Feb 76 **(Fre)**

[Lassa fever] Mohr W, et al. **Internist (Berlin)** 16(9):401–6, Sep 75 **(Ger)**

[The determination of the sum potential amplitude for the prognostication of facial paresis of viral etiology] Mitschke H, et al. **Laryngol Rhinol Otol (Stuttg)** 55(8):674–8, Aug 76 (Eng. Abstr.) **(Ger)**

[Virus diseases of the skin and genital organs. 6th diagnostic–therapeutic discourse of the ZFA in Freudenstadt 1975] Nasemann T. **Z Allgemeinmed** 51(31):1441–2, 10 Nov 75 **(Ger)**

[Acute viral diarrhea] Askenazi E. **Harefuah** 89(12):579–80, 15 Dec 75 **(Heb)**

[2 cases of atypical encephalitis] Pellone M, et al. **Acta Neurol (Napoli)** 29(6):595–600, Nov–Dec 74 (Eng. Abstr.) **(Ita)**

[Current pathogenetic and clinical aspects of bronchopneumopathies] Altucci P, et al. **Recent Prog Med (Roma)** 59(6):531–46, Dec 75 (46 ref.) (Eng. Abstr.) **(Ita)**

[New views in medical virology] Stuart–Harris C. **Recent Prog Med (Roma)** 59(6):501–30, Dec 75 (135 ref.) (Eng. Abstr.) **(Ita)**

[Progressive multifocal leukoencephalopathy (author's transl)] Gullotta F. **Riv Patol Nerv Ment** 95(4):453–8, Aug 74 (Eng. Abstr.) **(Ita)**

[Sudden deafness. Report of 3 cases, especially about viral etiology (author's transl)] Nakajima S, et al. **J Otolaryngol Jpn** 79(2):142–50, Feb 76 (Eng. Abstr.) **(Jpn)**

[Viruses and virosis] Kirchner E. **Rev Inst Med Trop Sao Paulo** 17(4 Suppl 2):1–24, Jul–Aug 75 **(Por)**

[Course of acute respiratory tract infections in premature infants depending on the etiology and the state of specific immunity] Afonina LG, et al. **Vopr Okhr Materin Det** 19(4):49–53, Apr 74 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Spinal fluid changes in infections of the central nervous system] Solberg CO. **Tidsskr Nor Laegeforen** 95(26):1472–6, 20 Sep 75 **(Nor)**

[Examination of the cerebrospinal fluid in neuroviral diseases by means of fluorescent antibody technic] Vasina AG. **Vrach Delo** (12):120–3, Dec 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Viral infection in pregnancy: some general principles. Amstey MS. **Clin Obstet Gynecol** 19(1):55–60, Mar 76

COMPLICATIONS

Effects of viral and mycoplasma infections on ultrastructure and enzyme activities in human skeletal muscle. Aström E, et al. **Acta Pathol Microbiol Scand [A]** 84(2):113–22, Mar 76

The possible viral etiology of multiple sclerosis. Johnson RT. **Adv Neurol** 13:1–46, 1975 (252 ref.)

Editorial: Observations on the diagnosis of isolated rheumatic carditis. Ward C. **Am Heart J** 91(5):545–9, May 76

Proceedings: Viral infections in asthma and wheezy bronchitis. Mitchell I, et al. **Arch Dis Child** 50(11):903, Nov 75

Viral infection as a cause of acute peripheral facial palsy. Djupesland G, et al. **Arch Otolaryngol** 102(7):403–6, Jul 76

Observation of virus–like particles in a carcinoma of the penis. Feldstein MS, et al. **Ariz Med** 33(6):450–3, Jun 76

Letter: Symptomless myocarditis and myalgia in viral and Mycoplasma pneumoniae infections. Simon D, et al. **Br Heart J** 37(9):987–8, Sep 75

Infective causes of human malformations. Dudgeon JA. **Br Med Bull** 32(1):77–83, Jan 76 (69 ref.)

Comparative aspects of infective malformations. Mims C. **Br Med Bull** 32(1):84–8, Jan 76

Editorial: Low spirits after virus infections. **Br Med J** 2(6033):440, 21 Aug 76

Viral infections and haematological malignancies. Feldman S, et al. **Clin Haematol** 5(2):311–28, Jun 76 (109 ref.)

Hydrocephalus and viral infections. Johnson RT. **Dev Med Child Neurol** 17(6):807–16, Dec 75 (46 ref.)

Non–bacterial infections associated with neoplastic disease. Armstrong D, et al. **Eur J Cancer** 11suppl:79–94, Aug 75

(78 ref.)
Humoral immune responses and tissue injury in persistent viral infections. pp. 61–6. Oldstone MB.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (39 ref.)
Infectious agents as teratogens. pp. 221–32. Sever JL.
In: Shepard TH et al., ed. Methods for detection of environmental agents that produce congenital defects. Amsterdam, North-Holland, 1975. QS 675 M592 1974. 1974
Editorial: Inheritance of virus-induced diabetes mellitus. **Lancet** 2(7975):28–9, 3 Jul 76
Letter: Viruses in endemic (Balkan) nephropathy. Georgescu L, et al. **Lancet** 1(7968):1086, 15 May 76
Virus infections and kidney disease. Howard RJ, et al. **Minn Med** 58(11):809–12, 834, Nov 75
Letter: T-cell lymphopenia in viral infection. Rosso L, et al. **N Engl J Med** 295(11):623, 9 Sep 76
Virus infections and acute renal transplant rejection. Gabriel R, et al. **Nephron** 16(4):282–6, 1976
Virus infections and endocrine diseases. Di Nola F, et al. **Panminerva Med** 14(4–5):137–40, Apr–May 72
Letter: Photodistribution of viral exanthems. Herman PS. **Pediatrics** 58(1):140, Jul 76
Viral infections that affect the fetus. Cesario TC. **Postgrad Med** 59(3):66–72, Mar 76
Epidemiological and virological observations on juvenile diabetes. Gamble DR. **Postgrad Med J** 50 suppl 3:538–43, Aug 74
Viruses in experimental and human diabetes. Taylor KW. **Postgrad Med J** 50 suppl 3:546–8, Aug 74
Virus infections may trigger rejection in immunosuppressed renal transplant recipients. Lopez C, et al. **Proc Clin Dial Transplant Forum** 2:107–11, 1972
Viral and epidemiological studies. Gamble DR. **Proc R Soc Med** 68(4):256–8, Apr 75
Importance of associated viral and bacterial infections in the production of acute pneumonias. Campeanu A, et al. **Rev Roum Med [Med Intern]** 14(2):139–45, Apr–Jun 76 (Eng. Abstr.)
Viruses in etiopathogenesis. Barinsky IF, et al. **Scand J Rheumatol [Suppl]** (12 suppl):138–9, 1975
The viral hypothesis of schizophrenia. Torrey EF, et al. **Schizophrenia Bull** 2(1):136–46, 1976
Heart-reactive antibody, viral illness, and the postpericardiotomy syndrome. Correlates of a triple-blind, prospective study. Engle MA, et al. **Trans Am Clin Climatol Assoc** 87:147–60, 1976
Proceedings: The role of viral infection in asthma and bronchitis. Gregg I, et al. **Tubercle** 56(2):171, Jun 75
[Infectious complications of malignant lymphomas. Evaluation of 411 infections observed in 629 patients] Durand M, et al. **Ann Med Interne (Paris)** 126(4):251–6, Apr 75 (Eng. Abstr.) **(Fre)**
[Connections between viral infections and autoimmunity: the disease in NZB mice and their hybrids] Peltier A. **Biol Med (Paris)** (1):83–7, Dec 71–Jan 72 **(Fre)**
[Clinical aspects of paralysis caused by cold and viral paralysis] Perrin C. **J Fr Otorhinolaryngol** 25(2):105–7, Feb 76 **(Fre)**
[Morphological considerations on nephropathy in viral infections in children] Gavriliță L, et al. **Morphol Embryol (Bucur)** 22(3):179–82, Jul–Sep 76 **(Fre)**
[The viral therapy of cancer. Present status] Gross L. **Nouv Rev Fr Hematol** 15(6):613–23, Nov–Dec 75 **(Fre)**
[Pericardial and myocardial changes during acute viral diseases] Domenighetti G. **Rev Med Suisse Romande** 95(4):275–80, Apr 75 **(Fre)**
[Histological research on the effect of viruses on wound healing] Brückner WL, et al. **Chirurg** 47(8):455–7, Aug 76 (Eng. Abstr.) **(Ger)**
[Rare viral hepatitis] Markoff N. **Gastroenterol Fortbildungskurse Prax** 5:19–23, 1975 **(Ger)**
[Abnormalities caused by viruses] Neuhäuser G. **Hippokrates** 46(2):245–7, Jun 75 **(Ger)**
[Diagnosis and course of viral myocarditis] Schölmerich P. **Internist (Berlin)** 16(11):508–19, Nov 75 (39 ref.) **(Ger)**
[Viral and hormonal induction of tumors. The problems of molecular biology in gynecologic examples] Caffier H. **Med Klin** 71(21):881–7, 21 May 76 **(Ger)**
[Acute myoglobinuria accompanied by renal failure in high febril infection (author's transl)] Kaukel E, et al. **Med Klin** 71(11):462–4, 12 Mar 76 (Eng. Abstr.) **(Ger)**
[Longterm virological studies in chronic diseases of the respiratory tract I (author's transl)] Henigst W. **Munch Med Wochenschr** 118(26):843–6, 25 Jun 76 (Eng. Abstr.) **(Ger)**
[Acute respiratory tract infections—virological problems] Starke G. **Z Aerztl Fortbild (Jena)** 70(8):385–9, 15 Apr 76 **(Ger)**
[Editorial: The influence of viruses on the auditory system] Man A. **Harefuah** 90(3):142–3, 1 Feb 76 **(Heb)**
[Contribution to the knowledge of subacute primary arteritis of probable viral nature] Cerasola GA, et al. **Boll Soc Ital Cardiol** 18(4):342–8, 1973 (Eng. Abstr.) **(Ita)**
[Virus infections and cardiopathies] Avogadro GB. **Cardiol Prat** 25(4):359–63, Oct–Dec 74 (Eng. Abstr.) **(Ita)**
[Clinical studies of infections in acute childhood leukemia (author's transl)] Taguchi N, et al. **Jpn J Clin Hematol** 15(11):1218–26, Nov 74 (Eng. Abstr.) **(Jpn)**
[Infectious disease theory of Kawasaki disease (muco-cutaneous lymph node syndrome)–with special reference to the theory of virus infection as a triggering factor] Kitayama T. **Jpn J Clin Med** 34(2):295–7, 10 Feb 76 **(Jpn)**
[Editorial: Role of viral infection in the etiology of demyelinating diseases] Wender M. **Neurol Neurochir Pol** 10(4):445–6, Jul–Aug 76 **(Pol)**
[Rheumatoid disease. Etiopathogenic elements] Cossermelli W. **Rev Hosp Clin Fac Med Sao Paulo** 30(3):225–31, May–Jun 75 (103 ref.) **(Por)**
[Post-viral hematogenic osteomyelitis in children] Popescu V, et al. **Rev Chir [Stomatol]** 21(5):407–14, Oct–Dec 74 (Eng. Abstr.) **(Rum)**
[The disseminated intravascular coagulation syndrome and infection] Păscariu-Onesciuc C, et al. **Rev Ig [Bacteriol]** 20(4):201–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**
[Effect of viral infection on the course of glomerulonephritis in children] Krasnova KN. **Pediatriia** (2):29–32, Feb 74 **(Rus)**
[Syndrome of acute adrenal gland insufficiency in acute respiratory tract infections in children] Prikhod'ko EI, et al. **Pediatriia** (1):8–11, Jan 74 (Eng. Abstr.) **(Rus)**
[Respiratory-viral infection in a child, complicated by interstitial myocarditis, with fatal outcome] Borzunov LM, et al. **Vopr Okhr Materin Det** 20(8):83–4, Aug 75 **(Rus)**
[Viral etiology of infantile diarrhea] Wu E, et al. **Rev Chil Pediatr** 46(2):119–24, Mar–Apr 75 (Eng. Abstr.) **(Spa)**
[Viral infections and systemic lupus erythematosus] Celada A, et al. **Rev Clin Esp** 139(3):207–11, 15 Nov 75 (46 ref.) **(Spa)**

CONGENITAL

Immediate and long-range effects of maternal viral infection in pregnancy. Hardy JB. **Birth Defects** 12(5):23–31, 1976

DIAGNOSIS

Diagnosis of rhinovirus-infections by virological and immunofluorescent methods. Dreizin RS, et al. **Acta Virol (Praha)** 19(5):413–8, Sep 75
Progress in the application of new immunoenzymatic methods in virology. Kurstak E, et al. **Ann NY Acad Sci** 254:369–84, 30 Jun 75
Surveillance of Lassa fever in missionaries stationed in West Africa. Frame JD. **Bull WHO** 52(4–6):593–8, 1975
Diagnosis of Lassa fever and the isolation and management of patients. Monath TP, et al. **Bull WHO** 52(4–6):707–15, 1975
Indirect immunofluorescence for the diagnosis of Lassa fever infection. Wulff H, et al. **Bull WHO** 52(4–6):429–36, 1975
Nonbacterial respiratory infections. Mufson MA, et al. **DM** :3–40, Nov 75
Radioimmunoassay as applied to microbiology. pp. 147–52. Fleisher M.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.
Rapid diagnosis of viral infections. pp. 99–104. Plotkin SA.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.
Physicochemical and serological characteristics of respiratory virus fluorescein-isothiocyanate conjugates for fluorescent-antibody diagnosis. Lyerla HC, et al. **J Clin Microbiol** 1(5):451–61, May 75
Survey of viral diagnostic laboratories in medical centers. Herrmann EC Jr, et al. **J Infect Dis** 133(3):359–62, Mar 76
Use of 99mTc-sulfur colloid in evaluation of renal transplant complications. Frick MP, et al. **J Nucl Med** 17(3):181–3, Mar 76
Elevated nitroblue tetrazolium dye reduction test response in acute viral respiratory disease. Sieber OF, et al. **Pediatrics** 58(1):122–4, Jul 76
A review of routine tests for respiratory viruses in hospital inpatients. Oswald NC, et al. **Thorax** 30(4):361–6, Aug 75
[Scientific background in the development of medical virological diagnosis] Kapsenberg JG. **Ned Tijdschr Geneeskd** 119(49):1946–51, 6 Dec 75 **(Dut)**
[Pseudo-membranous forms of epidemic keratoconjunctivitis] Massin M, et al. **Bull Soc Ophtalmol Fr** 74(4):407–12, Apr 74 **(Fre)**
[Letter: Value of electron microscopy in demonstrating viral bodies in feces] Buffet-Janvresse C, et al. **Nouv Presse Med** 4(21):1599, 24 May 75 **(Fre)**
[Internal disease (viral infection) or accident?] Kabelitz HJ. **Lebensversicherungsmedizin** 28(01):22, Jan 76 **(Ger)**
[Diagnosis of acute virus infection using the IgM-fraction of patients sera (author's transl)] Schneweis KE, et al. **Z Immunitaetsforsch** 147(3):236–49, Aug 74 **(Ger)**
[The focal points in laboratory diagnosis of viral infection (author's transl)] Saito K. **Jpn J Clin Pathol** 23(8):604–5, Aug 75 **(Jpn)**
[Histopathological diagnosis of virus disease—diagnostic application of fluorescent antibody technics (author's transl)] Yamashita K. **Jpn J Clin Pathol** 23(8):599–603, Aug 75 **(Jpn)**
[Immunoenzymatic method of virologic study (review of the literature)] Reutova EG, et al. **Veterinariia** (3):53–5, Mar 76 (0 ref.) **(Rus)**
[System of measures for the early detection and epidemiological evaluation of natural foci of diseases of viral and rickettsial etiology] Agafonov VI. **Voen Med Zh** (6):49–54, Jun 76 **(Rus)**
[Use of the indirect hemadsorption method for detection of the infection of children with respiratory viruses] Cheburkin AV, et al. **Vopr Okhr Materin Det** 20(9):38–40, Sep 75 (Eng. Abstr.) **(Rus)**
[Possible etiological differentiation of fatal cases in acute respiratory diseases by means of immunofluorescence and morphological methods] Tarasova LB, et al. **Vopr Okhr Materin Det** 20(9):41–6, Sep 75 **(Rus)**
[Postmortem diagnosis of mixed respiratory virus infections in children] Liarskaia TIa, et al. **Vopr Virusol** (1):88–94, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Rapid virologic diagnosis] Dobardžić R, et al. **Med Arh** 29(6):613–8, Nov–Dec 75 **(Ser)**
[Clinical characteristics of various neuroviroses in relation to their etiology] Muñoz O, et al. **Bol Med Hosp Infant Mex** 33(1):51–9, Jan–Feb 76 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy of virus diseases. Diana GD, et al. **Angew Chem [Engl]** 15(7):410–6, Jul 76 (100 ref.)
Treatment of vaccinial keratitis with vidarabine. Hyndiuk RA, et al. **Arch Ophthalmol** 94(8):1363–4, Aug 76
The present status of idoxuridine. Stuart-Harris C. **J Antimicrob Chemother** 2(2):112–4, Jun 76
A perspective from controlled investigations of chemotherapy for viral respiratory infections. Jackson GG. **J Infect Dis** 133 Suppl:A83–92, Jun 76
Antivirals with clinical potential. Introduction. Merigan TC. **J Infect Dis** 133 Suppl:A1–2, Jun 76
Antiviral agents: a perspective on research and regulation. Meyer HM Jr. **J Infect Dis** 133 Suppl:A69–72, Jun 76
Four compounds active against rhinovirus: comparison in vitro and in volunteers. Reed SE, et al. **J Infect Dis** 133 Suppl:A128–35, Jun 76
Effect of a topical interferon inducer on rhinovirus infections in volunteers. Stanley ED, et al. **J Infect Dis** 133 Suppl:A121–127, Jun 76
Evaluation of 6-azauridine and 5-iododeoxyuridine in the treatment of experimental viral infections. Steffenhagen KA, et al. **J Infect Dis** 133(6):603–12, Jun 76
Evaluation of 6-azauridine and 5-iododeoxyuridine in the treatment of experimental viral infections. Steffenhagen KA, et al. **J Infect Dis** 133(6):603–12, Jun 76
A review of antihistamines and the common cold. West S, et al. **Pediatrics** 56(1):100–7, Jul 75 (45 ref.)
[Antiviral chemotherapy (author's transl)] Waldvogel F. **Ther Umsch** 31(6):369–71, Jun 74 (Eng. Abstr.) **(Fre)**
[Chemotherapy of virus infections] Fechner PU. **Buech Augenarzt** 67(0):40–8, 1976 **(Ger)**
[Status and prospects of the chemotherapy of viral infections] Pershin GN. **Farmakol Toksikol** 38(5):517–27, Sep–Oct 75 **(Rus)**
[Use of chelepin for local treatment of viral infections of the oral mucosa] Roshchina PI, et al. **Stomatologiia (Mosk)** 55(1):100–1, Jan–Feb 76 **(Rus)**

ENZYMOLOGY

Jejunal adenylate cyclase activity in human subjects during viral gastroenteritis. Levy AG, et al. **Gastroenterology** 70(3):321–5, Mar 76 (29 ref.)

ETIOLOGY

Biohazards and simian viruses. Kalter SS, et al. **Bibl Haematol** (40):759–69, 1975 (23 ref.)
Infections in cancer patients. Bodey GP. **Cancer Treat Rev** 2(2):89–128, Jun 75 (189 ref.)
Non-bacterial infections associated with neoplastic disease. pp. 79–94. Armstrong D, et al.
In: Klastersky J, ed. Infections in cancer chemotherapy. Oxford, Pergamon Press, 1976. QZ 267 S987i 1975. (78 ref.)
Pathogenesis of Sendai virus infection in the central nervous system of mice. Shimokata K, et al. **Infect Immun** 13(5):1497–502, May 76
Studies of experimental rhinovirus type 2 infections in polar isolation and in England. Holmes MJ, et al. **J Hyg (Camb)** 76(3):379–93, Jun 76
Experimental viral infections of the inner ear. I. Acute infections of the newborn hamster labyrinth. Davis LE, et al. **Lab Invest** 34(4):349–56, Apr 76
Editorial: Does clindamycin produce viral colitis? **Lancet** 1(7956):405, 21 Feb 76
[Virus infections in man during immunodepression (author's transl)] Bricout F, et al. **Pathol Biol (Paris)** 24(2):127–31, Feb 76 (54 ref.) (Eng. Abstr.) **(Fre)**
[The problem of the post-perfusion syndrome] Handrick W, et al. **Allerg Immunol (Leipz)** 20–21(1):21–8, 1974–75 (Eng. Abstr.) **(Ger)**
[Virus infections during immunosuppression (author's transl)] Goetz O. **Munch Med Wochenschr** 118(17):541–4, 23 Apr 76 (Eng. Abstr.) **(Ger)**
[Immunosuppression and endogenic viral reinfection (author's transl)] Majer M. **Munch Med Wochenschr** 118(17):537–40, 23 Apr 76 (Eng. Abstr.) **(Ger)**
[Problems of infections following renal transplantation (author's transl)] Schmidt P, et al. **Wien Klin Wochenschr** 87(11):367–71, 30 May?75 (Eng. Abstr.) **(Ger)**
[Some mechanisms for the formation of protracted and

chronic forms of viral infections] Frolov AF. **Vrach Delo** (1):9–13, Jan 76 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Blood lymphocyte activation in infectious diseases. Srámková L. **Acta Univ Carol [Med] (Praha)** 20(7–8):549–604, 1974
Effects of viruses on immune response. Allison AC, et al. **Adv Nephrol** 5:115–33, 1975 (74 ref.)
Increased resistance to virus infections of mice inoculated with BCG (Bacillus calmette-guérin). Floc'h F, et al. **Ann Immunol (Paris)** 127(2):173–86, Mar–Apr 76
Anti–Gm and anti–Inv antibodies in sera of children with some infectious diseases. Luczkiewicz–Mulczyk A, et al. **Arch Immunol Ther Exp (Warsz)** 23(3):335–7, 1975
Renal transplantation and viral infections. II. Results of follow–up studies. Huraux JM, et al. **Biomedicine** 22(4):311–9, Jul 75
Effect of virus infections on polymorph function in children. Craft AW, et al. **Br Med J** 1(6025):1570, 26 Jun 76
Use of the complement fixation (CF) test in Lassa fever surveillance. Evidence for persistent CF antibodies. Fabiyi A, et al. **Bull WHO** 52(4–6):605–8, 1975
Relationship between major histocompatibility antigens and disease. Possible associations with human arenavirus diseases. Oldstone MB. **Bull WHO** 52(4–6):479–86, 1975
The role of cellular and humoral factors in infections. Neu HC. **Clin Haematol** 5(2):449–65, Jun 76 (82 ref.)
Immunopathology of virus infections. pp. 331–6. Halstead SB.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North–Holland, 1974. W3 IN416 1974p v.4.
Tetraparental mice in the study of autoimmunity and neoplasia in response to virus infection. pp. 85–8. Barnes RD.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (31 ref.)
Survival of organisms in immune hosts. pp. 9–11. Cohen S.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (7 ref.)
Interactions between viruses and lymphocytes. pp. 67–74. Denman AM, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (47 ref.)
Mitogen and antigen–induced lymphocyte responses in patients with infectious diseases. pp. 639–53. Kirkpatrick CH.
In: Oppenheim JJ, Rosenstreich DL, ed. Mitogens in immunobiology. New York, Academic Press, 1976. QH 605.2 M684 1975. (58 ref.)
Pathogenesis of simian foamy virus infection in natural and experimental hosts. Swack NS, et al. **Infect Immun** 12(3):470–4, Sep 75
Viral antibody in the cerebrospinal fluid of patients with acute central nervous system infections. Deibel R, et al. **J Clin Microbiol** 3(4):397–401, Apr 76
Viral infections and their mitigation in experimental immunosuppression. Mayer V, et al. **Lek Pr** 12(1):1–113, 1975
Round table and general discussion on viral and parasitic immunopathology. **Mod Probl Ophthalmol** 16:233–8, 1976
Immunological aspects of viral uveitis. Martenet AC. **Mod Probl Ophthalmol** 16:215–9, 1976 (17 ref.)
Absence of detectable interferon in jejunal biopsies, jejunal aspirates, and sera in experimentally induced viral gastroenteritis in man. Dolin R, et al. **Proc Soc Exp Biol Med** 150(2):337–9, Nov 75
Virus infections of lympho–reticular cells and auto–immune diseases. Denman AM, et al. **Transplant Rev** 31:79–115, 1976 (77 ref.)
Histocompatibility complex and virus infection latency and activation. Oldstone MB, et al. **Transplant Rev** 31:225–39, 1976 (39 ref.)
Virus infections in renal transplant recipients. Krech U, et al. **Z Immunitaetsforsch** 148(4):341–55, Feb 75
Investigation of lymphocyte activation in peripheral blood in infectious diseases. Srámková L, et al. **Z Immunitaetsforsch** 144(2):129–39, Sep 72 (Eng. Abstr.)
[On the problem of persisting viral infections (author's transl)] Doutlik S. **Cas Lek Cesk** 114(28):860–3, 11 Jul 75 (Eng. Abstr.) **(Cze)**
[Concepts of viral immunology and serology] Berrada A. **Maroc Med** 55(587):84–90, Feb 75 **(Fre)**
[Regulation mechanisms of the activity of T lymphocytes. Applications to infective and tumoral pathology. I. Delayed hypersensitivity and humoral response (author's transl)] Lagrange P. **Pathol Biol (Paris)** 24(1):67–74, Jan 76 (Eng. Abstr.) **(Fre)**
[Respiratory tract infections of viral origin in infants. Examination of 103 serum pairs in autumn and following spring] Henigst W. **Med Klin** 70(45):1831–6, 7 Nov 75 (Eng. Abstr.) **(Ger)**
[Viral infections] Okayasu M. **Jpn J Thorac Dis** 13(9):515–9, Sep 75 (Eng. Abstr.) **(Jpn)**
[Anti–virus immunoglobulins] Kańtoch M, et al. **Postepy Hig Med Dosw** 30(2):159–83, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[Role of viruses in the development of autoimmunity] Ziff M. **Ter Arkh** 47(11):32–6, 1975 **(Rus)**
[Immunodepressive properties of viruses] Ancheva MN, et al. **Vopr Virusol** (2):132–8, Mar–Apr 75 (91 ref.) **(Rus)**
[The dynamics of serum immunoglobulins in complicated and uncomplicated acute respiratory viral infections in children] Shkarenkova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):138–9, Nov 75 **(Rus)**
[Vaccines. VI. Further advances in viral vaccines] Hottle G. **Gac Med Mex** 111(4):279–84, Apr 76 **(Spa)**

METABOLISM

Virus infections in infant mice causing persistent impairment of turnover of brain catecholamines. Lycke E, et al. **J Neurol Sci** 26(1):49–60, Sep 75
[Molecular mechanisms of chronic viral infections] Zhdanov VM. **Zh Mikrobiol Epidemiol Immunobiol** (5):21–4, May 76 (83 ref.) **(Rus)**

MICROBIOLOGY

Viral gastroenteritis induced by the Hawaii agent. Jejunal histopathology and serologic response. Dolin R, et al. **Am J Med** 59(6):761–8, Dec 75
Editorial: Virus of infantile gastroenteritis. **Br Med J** 3(5983):555–6, 6 Sep 75
Some facets of clinical virology. Berlin BS. **Compr Ther** 1(5) Sep 75
Viral infections of the urogenital tract. pp. 63–8. Nahmias AJ, et al.
In: Danielsson D, et al., ed. Genital infections and their complications. Stockholm, Almqvist & Wiksell, 1975. WC 140 S988p 1974.
On the mechanism of neurotropism of vesicular stomatitis virus in newborn hamsters. Studies with temperature–sensitive mutants. Stanners CP, et al. **J Gen Virol** 29(3):281–96, Dec 75
Rhinoviruses in Britain 1963–1973. Roebuck MO. **J Hyg (Camb)** 76(1):137–46, Feb 76
Viral diseases of the skin, 1975: a 25–year perspective. Blank H, et al. **J Invest Dermatol** 67(1):169–76, Jul 76 (20 ref.)
Letter: Caliciviruses in man. Madeley CR, et al. **Lancet** 1(7952):199–200, 24 Jan 76
[Virus infections of the respiratory tract in childhood (author's transl)] Mietens C. **Immun Infekt** 3(2):65–71, Apr 75 (Eng. Abstr.) **(Ger)**
[Electronmicroscopic visualization of virusparticles in cases of gastroenteritis of infants and children (author's transl)] Baumeister HG, et al. **Klin Wochenschr** 54(9):445–8, 1 May 76 (Eng. Abstr.) **(Ger)**
[Experimental and clinical integration diseases] Zhdanov VM. **Vestn Akad Med Nauk SSSR** (10):40–6, 1975 **(Rus)**
[Editorial: Chronic viral diseases: human diseases (author's transl)] **Vopr Virusol** (5):631–3, Sept–Oct 75 **(Rus)**
[Possible mechanisms of chronic viral infections (author's transl)] Azadova NB, et al. **Vopr Virusol** (5):521–4, Sept–Oct 75 (29 ref.) **(Rus)**

OCCURRENCE

Comparative study of virological infections in asthmatic and nonasthmatic children. Cernelč D, et al. **Acta Allergol (Kbh)** 30(6):423–33, Dec 75
Infections in preschool children in group day care. Strangert K, et al. **Acta Paediatr Scand** 65(4):455–63, Jul 76
Virus infections in laboratories in Japan. Shimojo H. **Bibl Haematol** (40):771–3, 1975
A seven–year study of WHO virus laboratory reports on respiratory viruses. Assaad F, et al. **Bull WHO** 51(5):437–45, 1974
Lassa fever in Onitsha, East Central State, Nigeria in 1974. Bowen GS, et al. **Bull WHO** 52(4–6):599–604, 1975
Respiratory virus infections in India. Agarwal SC. **Indian J Pathol Microbiol** 18(3):123–9, Jul 75
Respiratory virus infections in Delhi and neighbouring areas. Balaya S. **Indian J Pathol Microbiol** 18(3):130–1, Jul 75
Measurements of the prevalence of viral infections. Davis DJ. **J Infect Dis** 133 Suppl:A3–5, Jun 76
Acute infections in interferon–treated patients with osteosarcoma: preliminary report of a comparative study. Strander H, et al. **J Infect Dis** 133 Suppl:A245–8, Jun 76
Colorado tick fever in the Rocky Mountain states. Beckord B. **J Iowa Med Soc** 66(5):173–4, May 76
Editorial: Viral surveillance in Louisiana–1975. Helmkamp J, et al. **J La State Med Soc** 128(07):204–5, Jul 76
Infectious diseases: fortieth and final annual review of significant publications. Reimann HA. **Postgrad Med J** 51(599):600–10, Sep 75 (171 ref.)
Respiratory virus infections in travellers. Tyrrell DA. **Postgrad Med J** 51(602):843–4, Dec 75
Recent patterns for the seasonal occurrence of viruses in the Milwaukee area. Sedmak GV, et al. **Wis Med J** 74(9):101–6, Sep 75
[Hemorrhagic conjunctivitis in Tunisia] Triki MF, et al. **Rev Int Trach** 51(4):81–92, 1974 (Eng. Abstr.) **(Fre)**
[Lassa fever] **Orv Hetil** 117(26):1580–4, 27 Jun 76 **(Hun)**
[Virus infection in laboratories in Japan] Shimojo H, et al. **Virus (Tokyo)** 23(3):295–6, Oct 73 **(Jpn)**
[Epidemiology of Lassa fever] Adomajlo A. **Przegl Epidemiol** 30(2):243–6, 1976 **(Pol)**
[Influenza and acute respiratory diseases of non–influenza etiology] Evdoshenko VG. **Zdravookhr Kirg** (2):35–9, Mar–Apr 75 **(Rus)**

PATHOLOGY

Experimental Lassa virus infection in the squirrel monkey. Walker DH, et al. **Am J Pathol** 80(2):261–78, Aug 75
Ultrastructure of mouse periventricular and choroid plexus tissues in experimental vesicular stomatitis virus infection. Grodums EI. **Arch Virol** 51(1–2):75–85, 1976
Studies on the erythropoietic cell system in CBA mice after Rauscher virus infection. Seidel HJ. **Blut** 32(4):257–68, Apr 76
Comparative pathology of Lassa virus infection in monkeys, guinea–pigs, and Mastomys natalensis. Walker DH, et al. **Bull WHO** 52(4–6):523–34, 1975
The pathology of human Lassa fever. Winn WC Jr, et al. **Bull WHO** 52(4–6):535–45, 1975
Experimental vesicular stomatitis virus infection: ultrastructural pathology. Murphy FA, et al. **Exp Mol Pathol** 23(3):426–40, Dec 75
Virus infection and degenerative conditions of the central nervous system. pp 122–44. Zlotnik I.
In: Illis LS, ed. Viral diseases of the central nervous system. Baltimore, Williams & Wilkins, 1975. WL 300 V813 1974.
Cytopathology in viral diseases. Cheville NF. **Monogr Virol** 10:1–224, 1975 (971 ref.)
Effects of viruses and viral vaccines on the CNS. Dayan AD. **Proc R Soc Med** 68(9):562, Sep 75
Effects of viral and Mycoplasma infections on the ultrastructure of human skeletal muscle. Ström E, et al. **Scand J Infect Dis** 7(4):273–6, 1975
[Vesicle forming diseases of the mouth] Greither A. **Zahnaerztl Mitt** 66(1):22–6, 1 Jan 76 **(Ger)**
[Pathomorphology of experimental infections caused by a virus isolated from a case of encephalomyelopathy] Shubladze AK, et al. **Vopr Virusol** (3):330–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Basic principles and stages in testing new vaccines against respiratory viruses. Zykov MP, et al. **Am Rev Respir Dis** 113(1):61–6, Jan 76
Exposure of humans to nuclear polyhedrosis virus during industrial production. pp. 102–5. Rogoff MH.
In: Summers M, et al., ed. Baculoviruses for insect pest control: safety considerations. Washington, D.C., American Society for Microbiology, 1975. QX 600 B131 1974.
Effect of ammonium 5–tungsto–2–antimoniate on encephalomyocarditis and vesicular stomatitis virus infections in mice. Werner GH, et al. **J Gen Virol** 31(1):59–64, Apr 76
Human responses to two decavalent rhinovirus vaccines. Hamory BH, et al. **J Infect Dis** 132(6):623–9, Dec 75
Effective antiviral prophylaxis and therapy by systemic application of human interferon in immunosuppressed monkeys. Neumann–Haefelin D, et al. **J Infect Dis** 133 Suppl:A211–6, Jun 76
Editorial: Viral cross–infections in children's wards. **Lancet** 1(7974):1391–3, 26 Jun 76
[Vaccination against viral diseases] Stickl VH. **Fortschr Med** 94(4):159–64, 5 Feb 76 (Eng. Abstr.) **(Ger)**
[Editorial: Control of viral infections] Rubinstein E. **Harefuah** 88(11):542–3, 1 Jun 75 **(Heb)**
[Interferon and experimental neoplasms] Pugliese A. **G Batteriol Virol Immunol** 67(7–12):300–7, Jul–Dec 74 **(Ita)**
[Vaccines and pregnancy] Dagasso DF. **Minerva Ginecol** 28(2):154–62, Feb 76 (Eng. Abstr.) **(Ita)**
[Prodigiosin in the overall therapy of dysentery and in the prevention of intrahospital viral respiratory infection in children] Zlatkovskaia NM, et al. **Antibiotiki** 20(4):365–9, Apr 75 (Eng. Abstr.) **(Rus)**
[Information on interferon, interferonogens, and their importance in pediatric practice (literature data)] Lebedev DD. **Pediatriia** (1):76–8, Jan 74 **(Rus)**
[Present status of the problem of vaccinoprophylaxis against influenza and acute respiratory diseases] Aleksandrova GI, et al. **Vestn Akad Med Nauk SSSR** (4):37–45, 1975 (Eng. Abstr.) **(Rus)**
[Use of interferon for prevention of acute respiratory viral diseases in children's collectives (literature survey)] Turgunbaev OT. **Zdravookhr Kirg** (5):57–9, Sep–Oct 75 **(Rus)**
[Use and effectiveness of multiple vaccines of life viruses] Villarejos VM. **Bol Of Sanit Panam** 78(2):132–7, Feb 75 (Eng. Abstr.) **(Spa)**
[Prevention of viral diseases in the community] Banfi A. **Rev Chil Pediatr** 46(1):77–80, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

THERAPY

Interferon: its expectations for the future. Galasso GJ. **In Vitro [Monogr]** 0(3):66–9, 1974
Clinical testing of human interferon in infectious diseases. Merigan TC. **In Vitro [Monogr]** 0(3):57–62, 1974 (31 ref.)
Proceedings: Effect of microwaves on virus multiplication in mammalian cells in vivo and in vitro. Luczak M, et al. **J Microwave Power** 11(2):173–4, Jun 76
[Problems of etiotropic therapy of influenza and other respiratory viral infections] Nosov SD. **Pediatriia** (1):3–8, Jan 74 (Eng. Abstr.) **(Rus)**
[Cutaneous viral diseases. Its treatment by using photodynamic inactivation] Lurati CE, et al.

Med Cutan Iber Lat Am 2(6):459–69, 1974 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Oncogenic viruses in vertebrates transmitted by hematophagous arthropods. Rehacek J, et al. **Adv Virus Res** 20:159–88, 1976 (117 ref.)

Viruses other than arenaviruses from West African wild mammals. Factors affecting transmission to man and domestic animals. Kemp GE. **Bull WHO** 52(4–6):615–20, 1975

Lassa fever: review of epidemiology and epizootiology. Monath TP. **Bull WHO** 52(4–6):577–92, 1975 (25 ref.)

Priorities and guidelines for taxonomic and ecological studies of vertebrate hosts of the arenaviruses. Setzer HW. **Bull WHO** 52(4–6):765, 1975

Lassa fever. Raeburn P. **Nurs Times** 72(34):37–8, 26 Aug 76

[A study of LDH virus infection transfer from parents to offspring in strain H mice] Motyčka K, et al. **Sb Lek** 78(6):176–80, Jun 76 (Eng. Abstr.) **(Cze)**

[Role of food products in the spread of viral infections] Afzen MS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):12–7, Apr 76 (70 ref.) **(Rus)**

[The relationship between the mechanisms of transmission and the pathogenesis of respiratory viral infections] Demikhovskiĭ EI. **Zh Mikrobiol Epidemiol Immunobiol** (11):5–12, Nov 75 (72 ref.) **(Rus)**

VETERINARY

The response of normal and iron anemic calves to nasal infection with an attenuated strain of parainfluenza-3 virus. Möllerberg L, et al. **Acta Vet Scand** 16(2):186–96, 1975

Development of sensitive methods for detection of latent Kilham virus infection of rats. Shalunova NV, et al. **Acta Virol (Praha)** 19(4):354–8, Jul 75

Reovirus-like calf enteritis. Mebus CA. **Am J Dig Dis** 21(7):592–8, Jul 76 (40 ref.)

Observations on the pathogenesis of porcine parvovirus infection. Joo HS, et al. **Arch Virol** 51(1–2):123–9, 1976

Letter: Lymphocystis in paradise fish (Macropodus opercularis) in Australia. Ashburner LD. **Aust Vet J** 51(9):448–9, Sep 75

Letter: Rapid diagnostic techniques for detection of porcine parvovirus infection in mummified foetuses. Joo HS, et al. **Aust Vet J** 52(1):51–2, Jan 76

Pathogenicity of a strain of feline calicivirus for domestic kittens. Love DN. **Aust Vet J** 51(12):541–6, Dec 75

Isolation and characterisation of bovine herpesvirus mammillitis virus and its pathogenicity for cattle. Turner AJ, et al. **Aust Vet J** 52(4):166–9, Apr 76

Bovine herpes mammillitis of dairy cattle in Victoria. Turner AJ, et al. **Aust Vet J** 52(4):170–3, Apr 76

Morphological changes of chicken tracheas and tracheal organ cultures infected with avian infectious bronchitis virus studied in scanning electron microscope. Dutta SK. **Avian Dis** 19(3):429–36, Jul–Sep 75

Lassa virus infection in Mastomys natalensis in Sierra Leone. Gross and microscopic findings in infected and uninfected animals. Demartini JC, et al. **Bull WHO** 52(4–6):651–63, 1975

Immunofluorescent cell assay of neonatal calf diarrhea virus. Barnett BB, et al. **Can J Comp Med** 39(4):462–5, Oct 75

The occurrence of Paramyxovirus yucaipa in Canadian poultry. Lang G, et al. **Can Vet J** 16(8):233–7, Aug 75

Vaccination by the non-parenteral route of virus disease in the veterinary field. Menassé I. **Dev Biol Stand** 33:33–40, 1976

[Virus infections of the respiratory tract of dogs] Scatozza F. **Folia Vet Lat** 5(2):254–95, Apr–Jun 75 (Eng. Abstr.) **(Eng, Ita)**

[Diagnosis and prophylaxis of the most important infectious diseases of the respiratory tract in the horse (author's transl)] Thein P. **Folia Vet Lat** 4(3):455–85, Jul–Sep 74 **(Eng, Ita)**

Advances in knowledge of viral diseases of fish. pp. 127–33. Fijan N.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w. (13 ref.)

The biology of the guinea pig. Viral and chlamydial diseases. pp. 137–52. Van Hoosier GL Jr, et al.
In: Wagner JE, Manning PJ, ed. The biology of the guinea pig. New York, Academic Press, 1976. QY 50 B615 1972–73.

Hydrocephalus associated with the noneffusive form of feline infectious peritonitis. Krum S, et al. **J Am Vet Med Assoc** 167(8):746–8, 15 Oct 75

Experiments in Border disease. VIII. Propagation and properties of a cytopathic virus. Vantsis JT, et al. **J Comp Pathol** 86(1):111–20, Jan 76

Periarteritis in experimental Border disease of sheep. II. Morphology and histochemistry of the lesion. Zakarian B, et al. **J Comp Pathol** 86(3):477–87, Jul 76

Natural virus infection in green and cynomolgus monkeys. Yamane Y. **Kitasato Arch Exp Med** 47(4):15–66, Dec 74

Viral respiratory infections. Kemen MJ. **Mod Vet Pract** 57(4):304–7, Apr 76 (21 ref.)

Vaccination of young chickens with live vaccine against some New Zealand isolates of infectious bronchitis virus. Bengelsdorff HJ, et al. **NZ Vet J** 23(5):85–92, May 75

Viral diseases of cats: current concepts. Povey C. **Vet Rec** 98(15):293–9, 10 Apr 76

Levels of colostral antibodies against neonatal calf diaahoea virus. Woode GN, et al. **Vet Rec** 97(8):148–9, 23 Aug 75

[The influence of infectious bronchitis virus on egg production, fertility, hatchability and mortality rate in chickens (author's transl)] Bisgaard M. **Nord Vet Med** 28(7–8):368–76, Jul–Aug 76 (Eng. Abstr.) **(Dan)**

[Comparative infection studies with Egtved viruses (strain F1) in rainbow trout (Salmo gairdneri) and gold trout (Salmo aguabonita)] Ahne W, et al. **Berl Munch Tieraerztl Wochenschr** 89(8):161–4, 15 Apr 76 (Eng. Abstr.) **(Ger)**

[Virological studies on insemination bulls in Hessia. 2; studies on antibodies against BVD and PI-3 virus] Gössler R, et al. **Berl Munch Tieraerztl Wochenschr** 88(13):241–2, 1 Jul 75 (Eng. Abstr.) **(Ger)**

[Double infection of the rainbow trout with viruses of viral hemorrhagic septicemia (VHS) and of infectious pancreatic necrosis (IPN)] Schlotfeldt HJ, et al. **Berl Munch Tieraerztl Wochenschr** 88(23):454, 1 Dec 75 (Eng. Abstr.) **(Ger)**

[Incidence of parasitoses, bacterial and viral diseases in dromadaries of southern Tunesia] Burgemeister R, et al. **Dtsch Tieraerztl Wochenschr** 82(9):352–4, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Pathology of visna-disease in goats] Griem W, et al. **Dtsch Tieraerztl Wochenschr** 82(10):396–400, 5 Oct 75 (Eng. Abstr.) **(Ger)**

[Diseases of the working elephant (Elephas maximus) in Sri Lanka (Ceylon) with special reference to diagnostic and therapeutic possibilities within the country] Jainudeen MR, et al. **Dtsch Tieraerztl Wochenschr** 82(9):355–9, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Border disease (hypomyelinogenesis congenita) in lambs in Switzerland] Cravero GC, et al. **Schweiz Arch Tierheilkd** 117(2):119–21, Feb 75 (Eng. Abstr.) **(Ger)**

[Interferon] Peterhans E, et al. **Schweiz Arch Tierheilkd** 118(4):133–9, Apr 76 (Eng. Abstr.) **(Ger)**

[Virus diseases in fish. Recognition and diagnosis] Ahne W. **Tieraerztl Prax** 4(2):243–54, 1976 **(Ger)**

[Infectious causes of intrauterine mortality in the swine] Bachmann PA. **Tieraerztl Prax** 4(1):33–8, 1976 **(Ger)**

[Viral infections in cats] Engel GY. **Tieraerztl Prax** 3(4):471–5, 1975 **(Ger)**

[Important zoonoses in veterinary practice. 1. Virus diseases] Krauss H, et al. **Tieraerztl Prax** 3(2):149–55, 1975 **(Ger)**

[Virus infections in commercial fresh water fishes. Economic significance, legislative situation and control measures] Schlotfeldt HJ. **Tieraerztl Prax** 2(4):465–73, 1974 **(Ger)**

[Isolation of a virus from sheep and its classification as a new serotype of ovine adenoviruses] Bauer K, et al. **Zentralbl Veterinaermed [B]** 22(8):656–65, Oct 75 (Eng. Abstr.) **(Ger)**

[Course of mixed infections in geese] Bondarenko AF, et al. **Veterinariia** (2):63–4, Feb 75 **(Rus)**

[Spring virus disease of fish] Rudikov NI. **Veterinariia** (6):64–6, Jun 75 **(Rus)**

[Bovine viruses and methods for their detection] Pille ER. **Vopr Virusol** (3):260–8, May–Jun 75 (46 ref.) **(Rus)**

VIRUS INHIBITORS

Production of species-unspecific antiviral inhibitors in cell-cultures and in chicken embryos under the influence of pyrazolon derivatives. Saratikov AS, et al. **Arzneim Forsch** 25(6):878–9, Jun 75

Pathogenicity, immunogenicity and genetic stability in mice and ferrets of a cold inhibitor-resistant mutant of influenza H3N2 virus. Závadová H, et al. **Dev Biol Stand** 33:151–4, 1976

Inactivation of murine xenotropic oncornavirus by normal mouse sera is not immunoglobulin-mediated. Fischinger PJ, et al. **Virology** 71(1):345–51, May 76

ANALYSIS

Immunoglobulin concentrations and bovine enterovirus inhibitors in fetal bovine fluids. Rossi CR, et al. **Cornell Vet** 66(3):381–6, Jul 76

Influenza virus inhibitor secretion in the colostrum of postmature Chinese women. Shortridge KF, et al. **J Trop Med Hyg** 79(4):92, Apr 76

Characterization of the viral inhibitory factor (VIF) demonstrable in adenovirus-induced tumor and transformed cells. I. Effect on DNA and viral capsid protein synthesis. Champe PC, et al. **Virology** 68(2):317–29, Dec 75

BIOSYNTHESIS

On virus-induced virus inhibitors from locally or systemically virus-infected plants. SchusterG, et al. **Environ Qual Saf [Suppl]** 3:657–62, 1975

[Antiviral substances from Saccharomyces cerevisiae and Sacch. carlsbergensis yeasts] Kovalenko AG, et al. **Mikrobiol Zh** 36(2):191–6, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

ISOLATION & PURIFICATION

Simple procedure for the removal of nonspecific inhibitors of rubella virus hemagglutination. Allen R, et al. **J Clin Microbiol** 2(6):524–7, Dec 75

METABOLISM

Production of plant virus inhibitor by Phytolacca americana suspension culture. Misawa M, et al. **Biotechnol Bioeng** 17(9):1335–47, Sep 75

[Changes in affinity to mucoprotein receptors of influenza A2-strains after mouse adaptation (author's transl)] Gerth HJ. **Zentralbl Bakteriol [Orig A]** 232(2–3):141–59, Jul 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Studies on the inhibitory activities of human serum lipoproteins for Japanese encephalitis virus. Shortridge KF, et al. **Southeast Asian J Trop Med Public Health** 6(4):461–6, Dec 75

[Antiviral inhibitor induction under the influence of some anti-inflammatory agents] Saratikov AS, et al. **Farmakol Toksikol** 39(2):186–90, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

VIRUS REPLICATION

Infection and replication of insect pathogenic viruses in tissue culture. Granados RR. **Adv Virus Res** 20:189–236, 1976 (153 ref.)

Location, rate and asymmetry of ds-RNA synthesis during replication of TYMV in Chinese cabbage. Bedbrook JR, et al. **Ann Microbiol (Paris)** 127A(1):55–60, Jan 76

Towards an understanding of viroid nature and replication. Diener TO. **Ann Microbiol (Paris)** 127A(1):7–17, Jan 76

Proceedings: Aspects of tobacco rattle virus replication in protoplasts. Harrison BD, et al. **Ann Microbiol (Paris)** 127A(1):97, Jan 76

Proceedings: On the structure of replicating TMV RNA. Nilsson-Tillgren T, et al. **Ann Microbiol (Paris)** 127A(1):23, Jan 76

Proceedings: Interaction of tobacco mosaic virus strains in doubly infected tobacco protoplasts. Otsuki Y, et al. **Ann Microbiol (Paris)** 127A(1):21, Jan 76

Proceedings: Replication of TYMV in Chinese cabbage protoplasts. Renaudin J, et al. **Ann Microbiol (Paris)** 127A(1):61–3, Jan 76

PRoceedings: studies on the replication of cucumber mosaic virus. Symons RH. **Ann Microbiol (Paris)** 127A(1):161–2, Jan 76

The reovirus replicative cycle. Silverstein SC, et al. **Annu Rev Biochem** 45:375–408, 1976 (168 ref.)

Replication and molecular recombination of T-phage. Miller RC Jr. **Annu Rev Microbiol** 29:355–76, 1975

Multiplication of Venezuelan equine encephalitis (Mucambo) virus in cultured mosquito cells. Esparza J, et al. **Arch Virol** 49(2–3):273–80, 1975

Infection of human and rhesus lymphoblastoid cells with Herpesvirus macaca. Graze PR, et al. **Arch Virol** 49(2–3):165–74, 1975

Replication of bovine coronavirus in cell line BEK-1 culture. Inaba Y, et al. **Arch Virol** 50(4):339–42, 1976

Ultrastructural study of African swine fever virus replication in cultures of swine bone marrow cells. Nunes JF, et al. **Arch Virol** 41(1):59–66, 1975

Replication of arboviruses in mouse organ cultures. II. Multiplication of virulent and avirulent Semliki Forest and western equine encephalitis viruses in mouse organ cultures. Pattyn SR, et al. **Arch Virol** 41(1):33–7, 1975

Electron microscopical study of initial and final stages of fowl plague virus-replication in chick embryo cells. Reinacher M, et al. **Arch Virol** 49(2–3):187–97, 1975

Duck plague virus replication in muscovy duck fibroblast cells. Kocan RM. **Avian Dis** 20(3):574–80, Jul–Sep 76

Duck viral enteritis: a comparison of replication by CCL-141 and primary cultures of duck embryo fibroblasts. Wolf K, et al. **Avian Dis** 20(3):447–54, Jul–Sep 76

'Distinguishable steps in the enzymatic synthesis of bacteriophage phiX174 replicative form in vitro'. Ray R, et al. **Biochem Biophys Res Commun** 70(2):506–12, 17 May 76

Viral protein synthesis during replication of bacteriophage T1. Toni M, et al. **Biochem Biophys Res Commun** 68(2):545–52, 26 Jan 76

Prospects for biologic and pharmacologic inhibition of ribonucleic acid tumor viruses. Smith RG, et al. **Biochem Pharmacol** 25(5):491–5, 1 Mar 76 (61 ref.)

A model for the replication of double-stranded ribonucleic acid mycoviruses. Buck KW, et al. **Biochem Soc Trans** 3(4):542–4, 1975

Metabolic aspects of LPP cyanophage replication in the cyanobacterium Plectonema boryanum. Ginzberg D, et al. **Biochim Biophys Acta** 423(3):440–9, 12 Mar 76

Lysogenization by bacteriophage lambda. II. Identification of genes involved in the multiplicity dependent processes. Kourilsky P. **Biochimie** 56(11–12):1511–6, 1974

Lysogenization by bacteriophage lambda. III. Multiplicity dependent phenomena occuring upon infection by lambda. Kourilsky P, et al. **Biochimie** 56(11–12):1517–23, 1974

Replication of influenza virus in organ cultures of human and simian urogenital tissues and human foetal tissues. Rosztóczy I, et al. **Br J Exp Pathol** 56(4):322–8, Aug 75

[Presence of autocomplementary RNA with viral specificity in cells infected with herpes virus] Béchet JM, et al. **C R Acad Sci [D] (Paris)** 280(2):217–20, 13 Jan 75 (Eng. Abstr.)

Mode of C-type virus production by bone cells of C3H/Fg mice. Barrett CP, et al. **Calcif Tissue Res** 19(4):295–304, 31 Mar 76

Assembly of the enveloped bacteriophage phi 6 in environments which perturb the host cell membranes.

Sands JA, et al. **Can J Microbiol** 21(8):1287–90, Aug 75

The effect of ribonuclease on the penetration of R17 phage A-protein and RNA. Wong K, et al. **Can J Microbiol** 22(6):826–31, Jun 76

Phenotypic mixing between N- and B-tropic murine leukemia viruses: infectious particles with dual sensitivity to Fv-1 restriction. Rein A, et al. **Cell** 7(3):373–9, Mar 76

Differential cellular regulation of three distinct classes of type C RNA viruses endogenous to mouse cells. Aaronson SA, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1129–37, 1975

Human adenovirus infection in monkey cells: an example of host restriction at a step late in replication. Baum SG, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:567–73, 1975

Endogenous mammary tumor viruses in mice. Bentvelzen P. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1145–50, 1975

Activation and repression of virus expression in mammalian cells infected by Rous sarcoma virus. Boettiger D. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:1169–72, 1975

RNA transcription in cultures productively infected with adenovirus 2. Craig EA, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:483–93, 1975

Properties of oncornavirus RNA-directed DNA polymerase, the RNA template, and the intracellular products formed early during infection and cell transformation. Green M, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:975–85, 1975

Sequence of Epstein-Barr virus productive cycle in human lymphoblastoid cells. Hampar B, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:811–5, 1975

Virus-specific RNA in cells productively infected or transformed by polyoma virus. Kamen R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:187–98, 1975

Transformation of cells by herpes simplex virus—fact or fantasy? McAuslan BR, et al. **Cold Spring Harbor Symp Quant Biol** 39 Pt. 2:765–72, 1975

The SV40 rescue problem. Watkins JF. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:355–62, 1975

A simplifying concept in tumor virology: virus-specific 'pleiotropic effectors'. Weil R, et al. **Cold Spring Harbor Symp Quant Biol** 39 PT. 1:381–95, 1975

Ultrastructural studies of H-1 parvovirus replication. III. Intracellular localization of viral antigens with immunocytochrome c. Singer II. **Exp Cell Res** 99(2):346–56, May 76

Type C virogenes: genetic transfer and interspecies transfer. pp. 35–44. Todaro GJ.
In: Crowell RC, et al., ed. Tumor virus infections and immunity. Baltimore, Univ Park Press, 1976. QW 160.05 S992t 1975.

In vitro transcription by the influenza virion RNA transcriptase. pp. 95–101. Carroll AR, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Antigenomes in sendai virions and sendai virus infected cells. pp. 149–52. Kolakofsky D, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

Protein cleavage in picornavirus replication. pp. 273–9. Korant BD.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.

The provirus of Rous sarcoma virus: synthesis, integration and transcription. pp. 255–65. Bishop JM, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Adenovirus DNA: transcription during productive infection, integration in transformed cells, and replication in vitro. pp. 217–36. Green M, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Use of pseudotypes of vesicular stomatitis virus to study cellular resistance to murine RNA tumor viruses. pp. 331–6. Huang AS, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Herpes simplex virus: aspects of structure and regulation of viral RNA and protein synthesis. pp. 355–95. Roizman B.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973. (51 ref.)

Transcription of SV40 in lytically infected and transformed cells. pp. 91–116. Sambrook J, et al.
In: Kolber AR, ed. Tumor virus-host cell interaction. New York, Plenum Press, 1975. QZ 200 N105t 1973.

Replication of polyoma DNA in isolated nuclei. pp. 345–54. Martin RF.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

tRNA structure in viral genomes and its possible role in gene replication and translation. pp. 21–9. Prochiantz A, et al.
In: Puiseux-Dao S, ed. Molecular biology of nucleocytoplasmic relationships. Amsterdam, Elsevier Scientific, 1975. QH 595 M718 1975.

Regulation of animal virus replication by protein cleavage. pp. 621–44. Korant BD.
In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975. (86 ref.)

Virus—lymphocyte interactions. pp. 263–9. Bloom BR, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Properties of cells transformed by DNA tumor viruses. Butel JS, et al. **In Vitro** 11(3):142–50, May-Jun 75

Host effect on vesicular stomatitis virus morphogenesis and "T" particle formation in reptilian, avian, and mammalian cell lines. Lunger PD, et al. **In Vitro** 11(4):239–46, Jul-Aug 75

Scrapie in vitro: agent replication and reduced cell yield. Carp RI, et al. **Infect Immun** 14(1):163–7, Jul 76

Growth of measles virus in cultures of rat glioma cells. Nakamura K, et al. **Infect Immun** 12(3):614–20, Sep 75

Viral replication and interferon production in fetal and adult ovine leukocytes and spleen cells. Rinaldo CR Jr, et al. **Infect Immun** 12(5):1070–7, Nov 75

Incomplete viral synthesis in Friend leukemia virus-induced reticulum cell sarcomas. Black DR, et al. **Int J Cancer** 17(2):245–53, 15 Feb 76

Interactions of murine leukemia virus (MuLV) with isolated lymphocytes. I. Virus replication in lymphocytes infected with Friend virus and cultures in diffusion chambers in vivo. Cerny J, et al. **Int J Cancer** 18(2):176–88, 15 Aug 76

A quantitative comparison between in vivo-and in vitro-derived Friend leukemia virus. Evenson DP, et al. **Int J Cancer** 16(5):819–29, 15 Nov 75

Detection of virus-specific DNA sequences by quantitative in situ hybridization during infection with SV40. Langelier Y, et al. **Int J Cancer** 16(3):476–87, 15 Sep 75

A biochemical approach to the study of the transmission of mouse mammary tumor viruses in mouse strains RIII and C3H. Michalides R, et al. **Int J Cancer** 18(1):105–15, 15 Jul 76

The induction of SV40-transformed chinese hamster and mouse kidney cells by mitomycin C. Morris AG, et al. **Intervirology** 5(5):305–12, 1975

Failure of rubella virus to replicate in mosquitos. Tesh RB, et al. **Intervirology** 5(3–4):216–9, 1975

Proceedings: Inhibition of the production of leukemia virus by interferon. Aviv H, et al. **Isr J Med Sci** 11(11):1211, Nov 75

Proceedings: Studies on the replication of human cytomegalovirus in human embryo cells. Sarov I, et al. **Isr J Med Sci** 11(11):1209, Nov 75

Proceedings: Activation of SV40 by transfer of fractionated chromosomes from transformed cells. Shani M, et al. **Isr J Med Sci** 11(11):1214, Nov 75

Deoxyribonucleic acid modification by intermediate-type modification mutants of Escherichia coli K-12 and B. Bulkacz J, et al. **J Bacteriol** 124(3):1395–402, Dec 75

Influence of oxygen and culture media on maintenance of whole hamster trachea organ cultures and replication of Sendai virus. Schiff LJ, et al. **J Clin Microbiol** 1(1):44–9, Jan 75

Continuous replication of Friend virus complex (spleen focus-forming virus-lymphatic leukemia-inducing virus) in mouse embryo fibroblasts. Retention of leukemogenicity and loss of immunosuppressive properties. Eckner RJ. **J Exp Med** 142(4):936–48, 1 Oct 75

Virus-induced diabetes mellitus. VI. Genetically determined host differences in the replicating of encephalomyocarditis virus in pancreatic beta cells. Yoon JW, et al. **J Exp Med** 143(5):1170–85, 1 May 76

The production of a temperature-sensitive persistent measles virus infection. Gould EA, et al. **J Gen Virol** 28(1):21–8, Jul 75

Studies of temperature sensitive mutants of bacteriophage Qbeta, defective in both replication and translation. Gupta P, et al. **J Gen Virol** 28(3):329–40, Sep 75

Frog virus 3 replication: electron microscope observations on the terminal stages of infection in chronically infected cell cultures. Kelly DC, et al. **J Gen Virol** 28(3):391–407, Sep 75

Multiplication of vesicular stomatitis virus in the leafhopper Peregrinus maidis (Ashm.), a vector of a plant rhabdovirus. Lastra JR, et al. **J Gen Virol** 32(1):139–42, Jul 76

Ultrastructure of mumps virus replication in organotypic cultures of hamster choroid plexus. Wolinsky JS, et al. **J Gen Virol** 30(2):197–205, Feb 76

Poliovirus proteins associated with the replication complex in infected cells. Wright PJ, et al. **J Gen Virol** 30(1):63–71, Jan 76

Replication of measles virus in continuous lymphoid cell lines. **J Immunol** 116(4):1084–8, Apr 76

Replication of dengue-2 virus in cultured human lymphoblastoid cells and subpopulations of human peripheral leukocytes. Theofilopoulos AN, et al. **J Immunol** 117(3):953–61, Sep 76

Replication of dengue viruses in cultures of peripheral blood leukocytes from dengue-immune rhesus monkeys. Marchette, NJ, et al. **J Infect Dis** 133(3):274–82, Mar 76

Proceedings: Effect of microwaves on virus multiplication in mammalian cells in vivo and in vitro. Luczak M, et al. **J Microwave Power** 11(2):173–4, Jun 76

Isolation, propagation and characterization of replication requirements of reiteration mutants of Simian Virus 40. Ganem D, et al. **J Mol Biol** 101(1):57–83, 15Feb 76

The circle mode of replication of bacteriophage lambda: the role of covalently closed templates and the formation of mixed catenated dimers. Sogo JM, et al. **J Mol Biol** 103(3):537–62, 25 May 76

Reinitiation mutants of gene B of bacteriophage S13 that mimic gene A mutants in blocking replicative form DNA synthesis. Tessman I, et al. **J Mol Biol** 103(3):583–98, 25 May 76

Chromosomally depleted interspecific hybrid cell clones selected with cytotoxic antisera: utilization in the study of control of murine leukemia virus host-range. Collins JJ, et al. **J Supramol Struct** 4(1):71–88, 1976

Prophage induction and inactivation by UV light. Barnhart BJ, et al. **J Virol** 18(3):950–5, Jun 76

Effect of medium of lowered NaCl concentration on virus release and protein synthesis in cells infected with reticuloendotheliosis virus. Bishop JM, et al. **J Virol** 17(2):446–52, Feb 76

Replication of mycoplasmavirus MVL51. IV. Inhibition of viral synthesis by rifampin. Das J, et al. **J Virol** 18(3):969–76, Jun 76

Replication of picornaviruses. I. Evidence from in vitro RNA synthesis that poly(A) of the poliovirus genome is genetically coded. Dorsch-Häsler K, et al. **J Virol** 16(6):1512–7, Dec 75

Intermediates in adenovirus assembly. Edvardsson B, et al. **J Virol** 19(2):533–47, Aug 76

Viral DNA-synthesizing intermediate complex isolated during assembly of bacteriophage phi X174. Fujisawa H, et al. **J Virol** 19(2):409–15, Aug 76

Analysis of gene function of bacteriophage phi 29 of Bacillus subtilis: identification of cistrons essential for viral assembly. Hagen EW, et al. **J Virol** 19(2):501–17, Aug 76

Recombinational-type transfer of viral DNA during bacteriophage 2C replication in Bacillus subtilis. Hoet P, et al. **J Virol** 17(3):718–26, Mar 76

Factors involved in the generation and replication of rhabdovirus defective T particles. Holland JJ, et al. **J Virol** 17(3):805–15, Mar 76

Failure of defective interfering particles of Sindbis virus produced in BHK or chicken cells to affect viral replication in Aedes albopictus cells. Igarashi A, et al. **J Virol** 19(2):398–408, Aug 76

Replication and persistence of measles virus in defined subpopulations of human leukocytes. Joseph BS, et al. **J Virol** 16(6):1638–49, Dec 75

Block to multiplication of adenovirus serotype 2 in monkey cells. Klessig DF, et al. **J Virol** 16(6):1650–68, Dec 75

Replication of nuclear polyhedrosis virus in a continuous cell culture of Spodoptera frugiperda: microscopy study of the sequence of events of the virus infection. Knudson DL, et al. **J Virol** 17(1):254–68, Jan 75

Late events in T4 bacteriophage production. II. Giant bacteriophages contain concatemers generated by recombination. Kozinski AW, et al. **J Virol** 17(3):801–4, Mar 76

Induction of type C virions from normal rat kidney cells by 2-deoxy-D-glucose. Prochownik EV, et al. **J Virol** 17(1):219–26, Jan 75

Replication and recombination of gene 59 mutant of bacteriophage T4D. Shah DB. **J Virol** 17(1):175–82, Jan 75

Multiplication of parvovirus LuIII in a synchronized culture system. III. Replication of viral DNA. Siegl G, et al. **J Virol** 17(3):841–53, Mar 76

DNA-minus temperature-sensitive mutants of adenovirus type 5 help adenovirus-associated virus replication. Straus SE, et al. **J Virol** 17(1):140–8, Jan 75

SAMase gene of bacteriophage T3 is responsible for overcoming host restriction. Studier FW, et al. **J Virol** 19(1):136–45, Jul 76

Multiplication of Coxsackie B1 virus in synchronized HeLa cells. Suarez M, et al. **J Virol** 16(5):1337–9, Nov 75

Thermolabile reverse transcriptase of a mammalian leukemia virus mutant temperature sensitive in its replication and sarcoma virus helper functions. Tronick SR, et al. **J Virol** 16(6):1476–82, Dec 75

Inhibition of friend murine leukemia virus production by low-ionic-strength medium. Ussery MA, et al. **J Virol** 17(2):453–61, Feb 76

Viral RNA synthesis and levels of DNA-dependent RNA polymerases during replication of adenovirus 2. Weinmann R, et al. **J Virol** 17(1):114–26, Jan 75

Studies on reovirus infection in canine cells by the fluorescent antibody technique. Murakami T, et al. **Jpn J Vet Sci** 37(2):179–86, Apr 75

Age dependence of viral expression. Electron microscopic and immunoperoxidase studies of Measles virus replication in mice. Herndon RM, et al. **Lab Invest** 33(5):544–53, Nov 75

Coronavirus propagated from patient with non-bacterial gastroenteritis. Caul EO, et al. **Lancet** 2(7942):953–4, 15 Nov 75

Integrator enzyme hypothesis for replication of hepatitis-B virus. Hirschman SZ. **Lancet** 2(7932):436–8, 6 Sep 75

Comparative replication of natural, attenuated, and laboratory strains of mumps virus. St. Geme JW Jr, et al. **Life Sci** 18(1):129–34, 1 Jan 76

Ultrastructural study of discrepant cellular competence for paramyxovirus production. St. Geme JW Jr, et al. **Life Sci** 18(11):1213–5, 1 Jun 76

Replication of Semliki Forest virus. Kääriäinen L, et al. **Med Biol** 53(5):342–51, Oct 75 (57 ref.)

Comparative aspects of the replication of alphaviruses and poliovirus. Pfefferkorn ER. **Med Biol** 53(5):337–41, Oct 75 (20 ref.)

Sindbis virus replication in vertebrate and mosquito cells: an interpretation. Schlesinger RW. **Med Biol** 53(5):295–301, Oct 75 (23 ref.)

Characterization of an adenovirus early protein required for viral DNA replication: a single strand specific DNA binding proteins. Levine AJ, et al. **Mol Cell Biochem** 11(2):79–95, 28 Apr 76

Studies on bacteriophage T7 DNA synthesis in vitro. I. Resolution of the T7 replication system into its components. Scherzinger E, et al. **Mol Gen Genet** 141(3):213–232, 1 Dec 75

Genetic consequences of transfection with heterduplex bacteriophage lambda DNA. White RL, et al. **Mol Gen Genet** 141(2):163–71, 24 Nov 75

Bacteriophage P22 lysogenises efficiently at high multiplicities of infection because Salmonella typhimurium DNA synthetic capacity is limited. Steinberg BM, et al. **Nature** 263(5572):54–6, 2 Sep 76

Replication of mycoplasmavirus MVL51: attachment of MVL51 parental DNA to host cell membrane. Das J, et al. **Proc Natl Acad Sci USA** 73(5):1789–93, May 76

Activation of an endogenous mouse type C virus by ultraviolet-irradiated herpes simplex virus types 1 and 2. Hampar B, et al. **Proc Natl Acad Sci USA** 73(2):646–50, Feb 76

Effect of Fv-1 gene product on proviral DNA formation and integration in cells infected with murine leukemia viruses. Jolicoeur P, et al. **Proc Natl Acad Sci USA** 73(7):2236–40, Jul 76

Mutants of T7 bacteriophage inhibited by lambda prophage. Pao CC, et al. **Proc Natl Acad Sci USA** 72(9):3642–6, Sep 75

Host restriction of Friend leukemia virus: synthesis and integration of the provirus. Sveda MM, et al. **Proc Natl Acad Sci USA** 73(7):2356–60, Jul 76

Early events in the lytic infection of primary mouse kidney cell culture with polyoma virus. The effect of various input multiplicities. Brown A, et al. **Proc Soc Exp Biol Med** 152(1):61–3, May 76

Dengue virus replication enhancement in peripheral blood leukocytes from immune human beings. Halstead SB, et al. **Proc Soc Exp Biol Med** 151(1):136–9, Jan 76

Restricted replication of herpes simplex virus in neural cells. Lancz GJ, et al. **Proc Soc Exp Biol Med** 152(3):302–6, Jul 76

Amino acids requirements for reproduction of arboviruses. Matsumura T, et al. **Proc Soc Exp Biol Med** 150(2):428–33, Nov 75

Type C virogenes: genetic transfer and interspecies transfer. Todaro GJ. **Ric Clin Lab** 5(3):191–5, Jul–Sep 75 (Eng. Abstr.)

The insertion of DNA into vaccinia virus. Morgan C. **Science** 193(4253):591–2, 13 Aug 76

Dengue virus replication in cultures of peripheral blood leukocytes during the course of dengue haemorrhagic fever. Marchette NJ, et al. **Southeast Asian J Trop Med Public Health** 6(3):316–21, Sep 75

Histocompatibility complex and virus infection latency and activation. Oldstone MB, et al. **Transplant Rev** 31:225–39, 1976 (39 ref.)

Specificity of protein—RNA and protein—protein interaction upon assembly of TMV in vivo and in vitro. Atabekova TI, et al. **Virology** 67(1):1–13, Sep 75

Association of herpes simplex virus type 1 DNA with host chromosomal DNA during productive infection. Biegeleisen K, et al. **Virology** 69(1):246–57, Jan 76

Studies on lumbo virus replication. I. RNA-dependent RNA polymerase associated with virions. Bouloy M, et al. **Virology** 69(1):258–64, Jan 76

Studies on Lumbo virus replication. II. Properties or viral ribonucleoproteins and characterization of messenger RNAs. Bouloy M, et al. **Virology** 71(2):363–70, Jun 76

Replication of the flavivirus Kunjin: proteins, glycoproteins, and maturation associated with cell membranes. Boulton RW, et al. **Virology** 69(2):416–30, Feb 76

Growth stimulation of chicl embryo neuroretinal cells infected with Rous sarcoma virus: relationship to viral replication and morphological transformation. Calothy G, et al. **Virology** 71(1):336–45, May 76

Replication of equine herpesvirus type I: resistance to hydroxyurea. Cohen JC, et al. **Virology** 67(1):56–67, Sep 75

Studies on the in vitro uncoating of poliovirus. I. Characterization of the modifying factor and the modifying reaction. De Sena J, et al. **Virology** 70(2):470–83, Apr 76

Effect of the host cell on the maintenance and replication of Epstein-Barr virus. Glaser R, et al. **Virology** 69(1):132–42, Jan 76

An avian sarcoma virus mutant that is temperature sensitive for virion assembly. Hunter E, et al. **Virology** 69(1):35–49, Jan 76

Structure of products of protein reassembly and reconstruction of potato virus X. Kaftanova AS, et al. **Virology** 67(1):283–7, Sep 75

Cell cycle dependence of simian virus 40 induction from transformed hamster cells by ultraviolet irradiation. Kaplan JC, et al. **Virology** 68(1):215–20, Nov 75

Isolation of simian virus 40-transformed inbred hamster cell lines heterogeneous for virus induction by chemicals or radiation. Kaplan JC, et al. **Virology** 68(1):200–14, Nov 75

'Oryctes' virus replication: electron microscopic observations on infected moth and mosquito cells. Kelly DC. **Virology** 69(2):598–606, Feb 76

Infection of chick cells by subgroup E viruses. Linial M, et al. **Virology** 73(2):508–20, Sep 76

Inhibition of synthesis of influenza virus proteins: evidence of two host-cell-dependent events during multiplication. Minor PD, et al. **Virology** 67(1):114–23, Sep 75

Inhibition of synthesis of influenza virus proteins: evidence for two host-cell-dependent events during multiplication. Minor PD, et al. **Virology** 67(1):114–23, Sep 75

The multiplication of influenza virus in enucleated BHK cells fused with chicken erythrocytes. Minor PD, et al. **Virology** 69(1):336–8, Jan 76

Lethal lysogenization by coliphage lambda. Ohashi M, et al. **Virology** 72(2):299–307, 15 Jul 76

Dependence of Moloney murine leukemia virus production on cell growth. Paskind MP, et al. **Virology** 67(1):242–8, Sep 75

Dependence of Moloney murine leukemia virus production on cell growth. Paskind MP, et al. **Virology** 67(1):242–8, Sep 75

Evidence for control of translation of the viral genome during replication of Mengo virus and poliovirus. Paucha E, et al. **Virology** 67(1):300–5, Sep 75

Evidence for control of translation of the viral genome during replication of Mengo virus and poliovirus. Paucha E, et al. **Virology** 67(1):300–5, Sep 75

A temperature-sensitive mutant of Sendai Virus with an altered hemagglutinin-neuraminidase polypeptide: consequences for virus assembly and cytopathology. Portner A, et al. **Virology** 67(1):179–87, Sep 75

Infection of Synechococcus cedrorum by the cyanophage AS-1M. I. Ultrastructure of infection and phage assembly. Sherman LA, et al. **Virology** 71(1):1–16, May 76

Membrane (M) protein of HVJ (Sendai virus): its role in virus assembly. Yoshida T, et al. **Virology** 71(1):143–61, May 76

Preferential inhibition of herpes-group viruses by phosphonoacetic acid: effect on virus DNA synthesis and virus-induced DNA polymerase activity. Huang ES, et al. **Yale J Biol Med** 49(1):93–9, Mar 76

Cytomegalovirus replication and the host immune response. Lang DJ, et al. **Yale J Biol Med** 49(1):45–58, Mar 76

Functional significance of neuraminidase in the replication cycle of influenza viruses. Frösner G, et al. **Zentralbl Bakteriol [Orig A]** 232(2–3):178–88, Jul 75

Porcine parvovirus infection in vitro: a study model for the replication of parvoviruses. II. Kinetics of virus and antigen production. Bachmann PA, et al. **Zentralbl Veterinaermed [B]** 23(5–6):355–63, Jun 76

Influence of serum restriction on foot-and-mouth disease virus infections in cell cultures. II. Altered viral replication. Brugh M Jr. **Zentralbl Veterinaermed [B]** 22(4):295–301, Jun 75

[Study of Aujeszky's disease virus replication by using an immunofluorescent method] Tatarov G. **Vet Med Nauki** 13(4):84–91, 1976 (Eng. Abstr.) **(Bul)**

[Yaba 1—Lednice 110 virus proliferation in chicken embryo (author's transl)] Málková D, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(4):225–30, Jul 75 (Eng. Abstr.) **(Cze)**

[Genome replication in oncogenic DNA viruses] Bourgaux P. **Bull Acad R Med Belg** 129(6–7):415–25, 1974 **(Fre)**

[RNA fragments rich in G and A nucleotides obligatory for in vitro DNA replication of phages phi-X 174 and lambda] Beljanski MM. **C R Acad Sci [D] (Paris)** 280(9):1189–92, 3 Mar 75 (Eng. Abstr.) **(Fre)**

[Effect of actinomycin D on virus production in a cell line chronically infected by a murine oncornavirus] Peraudeau L, et al. **C R Acad Sci [D] (Paris)** 279(26):2161–4, 23 Dec 74 **(Fre)**

[The length of polyadenylic acid tracts of Sindbis virus RNA: the possible existence of two synthetic mechanisms] Pisano MR, et al. **C R Acad Sci [D] (Paris)** 280(8):1023–6, 24 Feb 75 (Eng. Abstr.) **(Fre)**

[Effect of the replication of rubella virus on the protein biosynthesis of BHK 21 cell cultures] Hermsdorf S, et al. **Acta Biol Med Ger** 34(6):941–9, 1975 (Eng. Abstr.) **(Ger)**

[Multiplication of virulent and attenuated poliovirus strains during inhibition of interferon synthesis by actinomycin D (author's transl)] Zozikov W, et al. **Immun Infekt** 2(1):83–4, Feb 74 (Eng. Abstr.) **(Ger)**

[Electron microscopic study of the developmental cycle of a bovine herpesvirus] Santoli D, et al. **Ann Ist Super Sanita** 10(1–2):1–8, 1974 (Eng. Abstr.) **(Ita)**

[Late stages in the replicative cycle of human cytomegaloviruses in diploid cells. Ultrastructural study] Gerna G, et al. **Ann Sclavo** 17(6):859–71, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Differential ultrastructural elements in human cytomegalovirus and Herpes simplex virus replication in cultures of human cells] Gerna G, et al. **G Batteriol Virol Immunol** 68(1–6):50–64, Jan–Jun 75 (Eng. Abstr.) **(Ita)**

[Effect of immunodepression on virus multiplication and interferon and antibody formation in animals] Solov'ev VD, et al. **Biull Eksp Biol Med** 80(12):50–3, Dec 75 (Eng. Abstr.) **(Rus)**

[Role of protein synthesis in the regulation of replication of RNA-containing bacteriophages] Pumpen PP, et al. **Dokl Akad Nauk SSSR** 224(1):246–8, Sep–Oct 75 **(Rus)**

[Increase in the mutagenic potential of viruses in the presence of cadmium salts] Zasukhina GD, et al. **Dokl Akad Nauk SSSR** 224(5):1189–91, 11 Oct 75 **(Rus)**

[Mitosis and virus infection in cell cultures. II. Reaction of the nuclear apparatus of the cell to virus infection] Zalkind SIa. **Usp Sovrem Biol** 79(3):420–8, May–Jun 75 (76 ref.) **(Rus)**

[Comparative study of the intensity of production of LPV oncornavirus by T-9 cell line and an infected culture of human diploid cells] Andzhaparidze OG, et al. **Vopr Virusol** (6):655–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Abortive myxovirus infection of Ehrlich ascites carcinoma cells. Analysis of virus-specific structures in the ascitic fluid] Asadullaev TA, et al. **Vopr Virusol** (3):278–82, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Localization of genome RNA synthesis in Sendai virus] Bakunts KA, et al. **Vopr Virusol** (6):681–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Chronic infection of cells with tick-borne encephalitis virus. Further characteristics of the system] Bogomolova NN, et al. **Vopr Virusol** (6):690–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Unfragmented nucleocapsid of influenza virus in infected cells] Bukrinskaia AG, et al. **Vopr Virusol** (6):725–32, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of influenza virus on cell protein synthesis in permissive and nonpermissive conditions] Chetverikova LK, et al. **Vopr Virusol** (3):352–4, May–Jun 75 **(Rus)**

[Infectivity of fowl plague virus RNA in the process of infection] Men'shikh LK, et al. **Vopr Virusol** (6):722–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Synthesis of virus-specific macromolecules and virion maturation in chick embryo cells infected with Sendai virus] Selimova LM, et al. **Vopr Virusol** (1):36–44, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Protein metabolism in chick embryo cells infected with Sendai virus] Zaides VM, et al. **Vopr Virusol** (1):44–50, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Method of parallel study of cell metabolism and extracellular structures using oncornavirus as a model] Zaĭtseva OV, et al. **Vopr Virusol** (2):169–73, Mar–Apr 76 **(Rus)**

[Role of the separate stages of carbohydrate-energy metabolism in the reproduction of adenovirus type III and Coxsackie virus B-1] Fedechko IM. **Mikrobiol Zh** 36(5):612–5, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

[The possibility of influenza virus reproduction in cultures of insect cells] Gorbonosova GD, et al. **Mikrobiol Zh** 37(3):383–5, May–Jun 75 (Eng. Abstr.) **(Ukr)**

[Adsorption and reproduction of bacteriophages in Erwinia carotovora] Kolesnik LV. **Mikrobiol Zh** 38(3):308–11, 1976 (Eng. Abstr.) **(Ukr)**

[Biophysical study of viral infectious agents migrating from inoculated cells into the environment. I. The nature of the factors for the intrareproductive dissemination of the influenza virus] Maksimovich MB, et al. **Mikrobiol Zh** 36(5):651–8, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

[Reproduction of enteroviruses and membrane potential of the affected cell] Zemlians'kii VV, et al. **Mikrobiol Zh** 37(1):84–8, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Reproduction of TMV in suspension culture of pigmented tobacco cell line] Zhuk IP, et al. **Mikrobiol Zh** 37(1):114–7, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Inhibition of Newcastle disease virus replication by 6-azauridine. II. Combination of 6-azauridine and adenine derivatives. Rada B, et al. **Acta Virol (Praha)** 20(2):102–6, Apr 76

Inhibition of Newcastle disease virus replication by 6-azauridine. I. Inefficacy of purified uridine kinase, effect of adenosine-5'-triphosphate. Rada B, et al. **Acta Virol (Praha)** 20(2):97–101, Apr 76

Homidium (ethidium) bromide inhibition of avian reovirus replication. Simmons DG, et al. **Am J Vet Res** 37(1):69–73, Jan 76

Irreversible inhibition of herpes simplex virus replication in BSC-1 cells by zinc ions. Gordon YJ, et al. **Antimicrob Agents Chemother** 8(3):377–80, Sep 75

Inhibition of vesicular stomatitis virus replication by poly(2'-fluoro-2'-deoxyuridylic acid). Grosch JC, et al. **Antimicrob Agents Chemother** 8(5):544–50, Nov 75

Effect of tetraethyl thiuram disulfide (disulfiram) on the multiplication of enveloped viruses. Carić-Lazar M, et al. **Arch Virol** 48(4):297–306, 1975

Inhibition of multiplication of parainfluenza 3 virus in prostaglandin-treated WISH cells. Luczak M, et al. **Arch Virol** 49(4):377–80, 1975

Enhanced SV 40-virus replication in chinese hamster kidney cells pretreated with 5-iodo-2'-deoxyuridine. Suárez HG, et al. **Arch Virol** 50(3):249–53, 1976

Inhibition of turnip yellow mosaic virus synthesis by pyrimidine analogues. Ralph RK, et al. **Biochim Biophys Acta** 444(1):261–8, 24 Aug 76

The effect of 5-iodouracil on the growth and biosynthetic processes of bacteriophage T4td8 in the absence of light. Byrd DM, et al. **Chem Biol Interact** 12(2):197–210, Feb 76

Inhibition of viral multiplication by homologous methylated ribonucleic acids. V. Inhibition of myxoviruses in mouse. Louisot P, et al. **Chem Biol Interact** 14(3–4):233–40, Aug 76

Growth inhibition of cells in cultures and of vaccinia virus infected HeLa cells by derivatives of trifluorothymidine. Parkhurst JR, et al. **Chemotherapy** 22(3–4):221–31, 1976

Inhibition of measles virus replication and enhancement of cellular DNA synthesis in vero cells by ribavirin, an antiviral and antineoplastic drug. Chill DW, et al.

Chin J Microbiol 8(2):67–72, Jun 75
Mechanism of induction of RNA tumor viruses by halogenated pyrimidines. Besmer P, et al.
Cold Spring Harbor Symp Quant Biol 39 Pt. 2:1103–7, 1975
Glucocorticoid induction of murine mammary tumor virus in vitro. Parks WP, et al.
Cold Spring Harbor Symp Quant Biol 39 Pt. 2:1151–8, 1975
Inhibition of the multiplication of enveloped viruses by glucose derivatives. Scholtissek C.
Curr Top Microbiol Immunol 70:101–19, 1975 (51 ref.)
Studies on the antiviral action of interferons. pp. 379–86. Lebleu B, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.
In vitro transcription of a vesicular stomatitis virus mutant. pp. 103–8. Moreau MC, et al.
In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.
Effect to tween 80 and aquasol A on virus plaque formation. Blalock JE, et al. **Infect Immun** 12(3):490–4, Sep 75
Interactions of murine leukemia virus (MuLV) with isolated lymphocytes. II. Infections of B and T cells with Friend virus complex indiffusion chambers and in vitro: effect of polyclonal mitogens. Cerny J, et al. **Int J Cancer** 18(2):189–96, 15 Aug 76
Strain-dependent expression of endogenous mouse-tropic leukemia viruses in chemically induced murine leukemias. Odaka T. **Int J Cancer** 16(4):622–8, 15 Oct 75
Effects of 5-bromodeoxyuridine on tumorigenicity, immunogenicity, virus production, plasminogen activator, and melanogenesis of mouse melanoma cells. Silagi S. **Int Rev Cytol** 45:65–111, 1976 (71 ref.)
Inhibition of coliphage multiplication and R plasmid transfer by desdanine. Tanida S, et al. **J Antibiot (Tokyo)** 29(7):754–8, Jul 76
Specific inhibitors of influenza virus replication as potential chemoprophylactic agents. Oxford JS.
J Antimicrob Chemother 1(1):7–23, Mar 75 (56 ref.)
Effects of 1-beta-D-ribofuranosyl 1, 2, 4-triazole-3-carboxamide on influenza virus replication and polypeptide synthesis. Oxford JS.
J Antimicrob Chemother 1(4 Suppl):71–6, Dec 75
Patulin inhibition of mycovirus replication in Penicillium stoloniferum. Detroy RW, et al. **J Gen Microbiol** 92(1):167–74, Jan 76
Inhibition of the replication of influenza A and B viruses by a nucleoside analogue (ribavirin). Oxford JS.
J Gen Virol 28(3):409–14, Sep 75
The effect of canaline on some events in vaccinia virus replication. Williamson JD, et al. **J Gen Virol** 30(1):81–9, Jan 76
Influence of interferon on the synthesis of virus particles in oncornavirus carrier cell lines. IV. Relevance to the potential application of interferon in natural infectious diseases. Billiau A, et al. **J Infect Dis** 133 Suppl:A51–5, Jun 76
Persistence of the viral genome in interferon-treated cells infected with oncogneic or nononcogenic viruses. Friedman RM, et al. **J Infect Dis** 133 Suppl:A43–50, Jun 76
Interferon-directed inhibition of chronic murine leukemia virus production in cell cultures: lack of effect on intracellular viral markers. Friedman RM, et al. **J Virol** 16(3):569–74, Sep 75
Inhibition of infectious Rous sarcoma virus production by rifamycin derivative. Szabo C, et al. **J Virol** 18(2):445–53, May 76
An integrated and comparative study of the antiviral effects and other biological properties of the polyinosinic acid-polycytidylic acid and its mismatched analogues. Ts'o PO, et al. **Mol Pharmacol** 12(2):299–312, Mar 76
Relationship between receptor and mammary tumour virus production after stimulation by glucocorticoid. Shyamala G, et al. **Nature** 262(5564):107–12, 8 Jul 76
Synthesis of murine leukemia virus proteins associated with virions assembled in actinomycin D-treated cells: evidence for persistence of viral messenger RNA. Levin JG, et al. **Proc Natl Acad Sci USA** 73(4):1154–8, Apr 76
Differential effect of phosphonoacetic acid on the expression of Epstein-Barr viral antigens and virus production. Nyormoi O, et al. **Proc Natl Acad Sci USA** 73(5):1745–8, May 76
Evidence for tandem integration of avian myeloblastosis virus DNA with endogenous provirus in leukemic chicken cells. Shoyab M, et al. **Proc Natl Acad Sci USA** 73(5):1749–53, May 76
5-iododeoxyuridine potentiation of the replication in vitro of several unrelated RNA and DNA viruses. Green JA, et al. **Science** 190(4219):1099–101, 12 Dec 75
Streptozotocin-induced pancreatic insulitis: new model of diabetes mellitus. Like AA, et al. **Science** 193(4251):415–7, 30 Jul 76
The effect of ATP on lactic dehydrogenase (LDH) activity and influenza B virus multiplication. Prahoveanu E, et al. **VIROLOGIE** 26(1):51–5, 1975
Effect of ceruloplasmin on Sendai virus multiplication in chorioallantoic membrane fragments. Samuel I, et al. **Virologie** 26(2):117–23, 1975
Inhibition of Sindbis virus replication by zinc ions. Bracha M, et al. **Virology** 72(1):272–7, 1 Jul 76
Effects of cytochalasin B on herpes simplex virus type 1 replication. Dix RD, et al. **Virology** 70(1):127–35, Mar 76
Inhibition of avian sarcoma virus replication by glucosamine: a specific effect on the synthesis and processing of viral proteins. Hayman MJ, et al. **Virology** 71(2):402–11, Jun 76
Potentiating effect of Iododeoxyuridine on MuLV replication in mouse embryo fibroblasts. Niwa O, et al. **Virology** 67(1):158–67, Sep 75
Potentiating effect of iododeoxyuridine on MuLV replication in mouse embryo fibroblasts. Niwa O, et al. **Virology** 67(1):158–67, Sep 75
Interferon inhibits induction of endogenous murine leukemia virus production. Ramseur JM, et al. **Virology** 73(2):553–6, Sep 76
Protease activation mutants of sendai virus. Activation of biological properties by specific proteases. Scheid A, et al. **Virology** 69(1):265–77, Jan 76
Inhibition of the production of infectious herpes simplex virus by clofibrate. Steinhart WL, et al. **Virology** 70(1):241–3, Mar 76
The effect of caffeine on the ultraviolet light induction of SV40 virus from transformed hamster cells. Zamansky GB, et al. **Virology** 73(2):468–75, Sep 76
Failure of inhibition of polyoma virus replication by distamycin A. Brandner G, et al. **Z Naturforsch [C]** 31(3–4):214, Mar–Apr 76
[Effect of distamycin A on the reproduction of Aujeszky's virus] Pancheva S.
Acta Microbiol Virol Immunol (Sofia) 2:69–72, 1975 (Eng. Abstr.) **(Bul)**
[Action of rifampicin on the reproduction of Aujeszky's disease virus] Tatarov G. **Vet Med Nauki** 13(3):85–91, 1976 (Eng. Abstr.) **(Bul)**
[Effect of sodium salicylate on the 'in vitro' development of RNA viruses (author's transl)] Daniel P, et al.
Ann Microbiol (Paris) 126(3):381–7, Apr 75 (Eng. Abstr.) **(Fre)**
[Replication of adenovirus type 5 in culture of cord blood lymphocytes (author's transl)] Perrinet MC, et al.
Ann Microbiol (Paris) 125(4):575–80, Dec 74 (Eng. Abstr.) **(Fre)**
[Effects of colchicine, vinblastine and mercury p-hydroxybenzoate on the multiplication of adenovirus 5 in HeLa cells] Chardonnet Y, et al. **Biomedicine** 24(1):57–61, Jan 76 (Eng. Abstr.) **(Fre)**
[RNA fragments, in vivo inhibitors of Shope fibroma and vaccinia virus multiplication] Beljanski M, et al.
C R Acad Sci [D] (Paris) 280(6):783–9, 10 Feb 75 (Eng. Abstr.) **(Fre)**
[Stimulation of SV40 virus replication in Chinese hamster kidney cells by treatment of the cells with mitomycin C] Lavialle C, et al. **C R Acad Sci [D] (Paris)** 281(16):1203–6, 20 Oct 75 (Eng. Abstr.) **(Fre)**
[Induction, by 5-bromo-2'-deoxyuridine, of a 'foamy' virus previously undetected in hamster cells transformed by SV40] Rossignol JM, et al. **C R Acad Sci [D] (Paris)** 281(15):1145–8, 13 Oct 75 (Eng. Abstr.) **(Fre)**
[Induction of endogenous C-type virus by 5-iododeoxyuridine and augmentation of this induction by polycyclic hydrocarbons] Yoshikura H, et al.
C R Acad Sci [D] (Paris) 282(14):1383–5, 5 Apr 76 (Eng. Abstr.) **(Fre)**
[Effect of adrenal steroids on the function of cells and the proliferation of viruses] Rytko J. **Reumatologia** 14(1):109–15, 1976 (41 ref.) **(Pol)**
[Study of the virustatic action of rimantadine based on a phage-bacterium model] Rybakov NI, et al.
Biull Eksp Biol Med 81(5):564–6, May 76 (Eng. Abstr.) **(Rus)**
[Effect of the combined action of rimantadin and dimethyl sulfoxide on phage reproduction] Shestakov VA, et al.
Biull Eksp Biol Med 82(7):839–40, Jul 76 (Eng. Abstr.) **(Rus)**
[Effect of 2-deoxy-d-glucose on enterovirus reproduction in HEp-2 cell cultures] Shirobokov VP. **Vopr Virusol** (2):199–203, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Antiviral effect of pyran copolymer] Ter-Pogosian RA, et al. **Zh Eksp Klin Med** 15(6):15–9, 1975 **(Rus)**
[Effect of actinomycin D on the reproduction of peanut stunt virus] Kraev VG, et al. **Mikrobiol Zh** 37(6):731–3, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

The induction of lambda-prophage by ionizing radiation. Lydersen BK, et al. **Radiat Res** 64(2):237–44, Nov 75

VIRUSES

see related

INCLUSION BODIES, VIRAL

Protozoal viruses. Diamond LS, et al. **Adv Virus Res** 20:87–112, 1976 (22 ref.)
Viral pseudotypes and phenotypic mixing. Závada J.
Arch Virol 50(1–2):1–15, 1976 (70 ref.)
In vitro transformation: interaction of chemicals, viruses, and irradiation. Casto BC, et al. **Bibl Haematol** (40):197–9, 1975
Biohazards and simian viruses. Kalter SS, et al.
Bibl Haematol (40):759–69, 1975 (23 ref.)
The relation between chromomeres, replicons, operons, transcription units, genes, viruses and palindromes. Lima-de-Faria A. **Hereditas** 81(2):249–84, 1975 (124 ref.)
Viral contamination of a mosquito cell line, Aedes albopictus, associated with syncytium formation. Hirumi H, et al.
In Vitro 12(2):83–97, Feb 76
Microbiology-detection, occurrence, and removal of viruses. Berg G. **J Water Pollut Control Fed** 47(6):1587–95, Jun 75
Microbiology—detection, occurrence, and removal of viruses. Berg G. **J Water Pollut Control Fed** 48(6):1410–6, Jun 76 (44 ref.)
[Viruses and virosis] Kirchner E.
Rev Inst Med Trop Sao Paulo 17(4 Suppl 2):1–24, Jul–Aug 75 **(Por)**
[Hereditary properties of a strain of Candida tropicalis containing virus-like particles] Nesterova GF, et al.
Genetika 10(10):110–4, 1974 (Eng. Abstr.) **(Rus)**
[Biological properties of the cultured virus of infectious laryngotracheitis of poultry] Makogon VF. **Veterinariia** (12):47–9, Dec 75 **(Rus)**

ANALYSIS

Chick muscle in tissue culture: the ubiquity of viral infection. Askanas V, et al. **Acta Neuropathol (Berl)** 32(4):271–9, 1 Oct 75
The chemistry of microbial lipids. O'Leary WM.
CRC Crit Rev Microbiol 4(1):41–63, Oct 75
[Concentration of viruses on certain natural and artificial sorbents] Bagdasar'ian GA, et al. **Gig Sanit** (4):106–7, Apr 75 **(Rus)**

CLASSIFICATION

The classification and nomenclature of viruses. Summary of results of meetings of the International Committee on Taxonomy of Viruses in Madrid, September 1975. Fenner F. **Intervirology** 6(1):1–12, 1975–1976
The classification and nomenclature of viruses. Summary of results of meetings of the International Committee on Taxonomy of Viruses in Madrid, September 1975. Fenner F. **J Gen Virol** 31(3):463–70, Jun 76
The classification and nomenclature of viruses. Summary of results of meetings of the International Committee on Taxonomy of Viruses in Madrid, September 1975. Fenner F. **Virology** 71(2):371–8, Jun 76
[Classification and nomenclature of viruses. Summarized proceedings of International Committee for Virus Taxonomy] Fenner F. **Ann Microbiol (Paris)** 127A(2):323–31, Feb–Mar 76 **(Fre)**

DRUG EFFECTS

Antiviral activity of 5-thiocyanatopyrimidine nucleosides. De Clercq E, et al. **Biochem Pharmacol** 24(23):2171–5, 1 Dec 75
Nucleoside analogs with antiviral activity. Prusoff WH, et al. **Biochem Pharmacol** 25(11):1233–9, 1 Jun 76
[Suitability of carriers for the testing of disinfectants against virus species] Mahnel H, et al.
Berl Munch Tieraerztl Wochenschr 89(7):138–42, 1 Apr 76 **(Ger)**
[Suitability of carriers for the testing of disinfectants against virus species] Mahnel H, et al.
Berl Munch Tieraerztl Wochenschr 89(8):149–52, 15 Apr 76 (Eng. Abstr.) **(Ger)**
[Effect of several plant growth regulators on various prokaryotes and their viruses] Menzel G, et al.
Z Allg Mikrobiol 15(4):259–68, 1975 (Eng. Abstr.) **(Ger)**
[Stability of Teschen, HCC, ND and vaccinia viruses against 5 disinfectants] Mahnel H, et al.
Zentralbl Veterinaermed [B] 23(5–6):403–11, Jun 76 (Eng. Abstr.) **(Ger)**
[Virus-inactivating effect of L-ascorbic acid: scissions of nucleic acid strands by free radicals (author's transl)] Murata A. **Protein Nucleic Acid Enzyme (Tokyo)** 20(6):593–601, May 75 (73 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Structural interactions between viruses as a consequence of mixed infections. Dodds JA, et al. **Adv Virus Res** 20:33–86, 1976 (141 ref.)

IMMUNOLOGY

The effect of glutaraldehyde on the stability of erythrocytes and on virus receptor substances. Dalen AB.
Acta Pathol Microbiol Scand [B] 84(4):196–200, Aug 76
Effects of viruses on immune response. Allison AC, et al. **Adv Nephrol** 5:115–33, 1975 (74 ref.)
Immunity of viruses. pp. 322–5. Mims CA.
In: Brent L, Holborow J, ed. Progress in immunology II. vol 4: Clinical aspects I. Amsterdam, North-Holland, 1974. W3 IN416 1974p v.4.
Specificity of virus-immune effector T cells for H-2K or H-2D compatible interactions: implications for H-antigen diversity. Doherty PC, et al. **Transplant Rev** 29:89–124, 1976

ISOLATION & PURIFICATION

Infectious pancreatic necrosis: first isolation of virus from fish in Norway. Hastein T, et al. **Acta Vet Scand** 17(1):109–11, 1976
Letter: Reye syndrome: virus or artifact in liver? Hernandez F, et al. **Am J Dis Child** 130(9):1035–6, Sep 76
Timely topics in microbiology: viruses, 1973 I. Branson D.
Am J Med Technol 42(7):248–54, Jul 76
The serach for viruses in sarcoidosis. Steplewski Z.
Ann NY Acad Sci 278:260–3, 1976
Failure to show mycoplasmas and cytopathogenic virus in rheumatoid arthritis. Middleton PJ, et al.

Ann Rheum Dis 34(4):369–72, Aug 75
Attempts to identify viruses in rheumatoid synovial cells. Norval M, et al. **Ann Rheum Dis** 35(2):106–13, Apr 76
Use of iodinated organic compounds for the density gradient centrifugation of viruses. Gschwender HH, et al. **Arch Virol** 49(4):359–64, 1975
Viruses other than arenaviruses from West African wild mammals. Factors affecting transmission to man and domestic animals. Kemp GE. **Bull WHO** 52(4–6):615–20, 1975
Detection of virus-like particles in the coremia of Penicillium claviforme. Lai HC, et al. **Can J Genet Cytol** 17(4):525–33, Dec 75
Some facets of clinical virology. Berlin BS. **Compr Ther** 1(5) Sep 75
Use of electron microscopy for detection of viral and other microbial contaminants in bovine sera. Fong CK, et al. **J Clin Microbiol** 1(2):219–24, Feb 75
Viral studies on human brain culture retrieved from cold storage. Lennette ET. **J Clin Microbiol** 1(5):405–10, May 75
Methods for the detection of viruses in bovine serum. Swack NS, et al. **J Clin Microbiol** 1(2):212–8, Feb 75
Counter-immunoelectro-osmophoresis for the detection of infantile gastroenteritis virus (orbi-group) antigen and antibody. Middleton PJ, et al. **J Clin Pathol** 29(3):191–7, Mar 76
Letter: Viruses in endemic (Balkan) nephropathy. Georgescu L, et al. **Lancet** 1(7968):1086, 15 May 76
Cultivation of viral agents from Crohn's disease. A new sensitive system. Gitnick GL, et al. **Lancet** 2(7979):215–7, 31 Jul 76
Letter: 28 nm particles in faeces in infantile gastroenteritis Madeley CR, et al. **Lancet** 2(7932):451–2, 6 Sep 75
Letter: Rotavirus infections in neonates. Murphy AM, et al. **Lancet** 2(7932):452–3, 6 Sep 75
Letter: Cultivation of viral agents from Crohn's disease. Parent K, et al. **Lancet** 2(7985):576, 11 Sep 76
Letter: Viruses and gastroenteritis. Patterson S, et al. **Lancet** 2(7932):451, 6 Sep 75
Quantitative method of viral pollution determination for large volume of water using ferric hydroxide gel impregnated on the surface of glassfibre cartidge filter. Homma A, et al. **Mem Inst Oswaldo Cruz** 72(1–2):31–41, 1974
Streptococci and viruses in association with rheumatic fever in Wairoa. Chilvers CD. **NZ Med J** 82(553):377–8, 10 Dec 75
Duovirus in malnourished children. Gracey M, et al. **Paediatr Indones** 15(7–8):229–31, Jul–Aug 75
Viral and epidemiological findings in MRC/PHLS surveys of respiratory disease in hospital and general practice. Poole PM, et al. **Postgrad Med J** 49(577):778–87, Nov 73
Flow-field-flow fractionation: a versatile new separation method. Giddings JC, et al. **Science** 193(4259):1244–5, 24 Sep 76
Wastewater renovation and reuse: virus removal by soil filtration. Gilbert RG, et al. **Science** 192(4243):1004–5, 4 Jun 76
[Scientific background in the development of medical virological diagnosis] Kapsenberg JG. **Ned Tijdschr Geneeskd** 119(49):1946–51, 6 Dec 75 **(Dut)**
[Viruses associated with acute respiratory diseases in children under 10 years in Téhéran] Farrohi KH, et al. **Acta Med Iran** 17(3–4):121–6, Dec 74 **(Fre)**
[A cytoplasmic virus in the scorpion Buthus occitanus Amoreux] Morel G. **C R Acad Sci [D] (Paris)** 280(25):2893–4, 30 Jun 75 (Eng. Abstr.) **(Fre)**
[Concentration of viruses in water by the 2 phase polymer method: quantitative study] Schwartzbrod L, et al. **C R Soc Biol (Paris)** 169(3):641–4, 1975 (Eng. Abstr.) **(Fre)**
[Attempts to isolate virus in nervous tissues during slow virus diseases] pp. 37–49. Lhermitte F, et al. **In: Schuller FE, ed. Immunopathologie du système nerveux. Paris, INSERM, 1975. WL 100 I33 1974.** (Eng. Abstr.) **(Fre)**
[Letter: Value of electron microscopy in demonstrating viral bodies in feces] Buffet-Janvresse C, et al. **Nouv Presse Med** 4(21):1599, 24 May 75 **(Fre)**
[Virologic longitudinal study in chronic respiratory tract diseases. II. Isolation of viruses] Wagner D. **Munch Med Wochenschr** 118(26):847–8, 25 Jun 76 **(Ger)**
[Significance of virus isolation from surface waters in terms of municipal hygiene] Walter R, et al. **Z Gesamte Hyg** 20(10):691–9, Oct 74 (Eng. Abstr.) **(Ger)**
[Utilization of cationic polyelectrolytes for purifying water of viruses] Veitser IuI, et al. **Gig Sanit** (3):10–3, Mar 76 (Eng. Abstr.) **(Rus)**
[Respiratory viruses and mycoplasms in the pathology of the respiratory organs] Zlydnikov DM. **Ter Arkh** 47(3):3–8, 1975 **(Rus)**

PATHOGENICITY

Pragmatic decisions in viral teratology. Monif GR. **Clin Obstet Gynecol** 18(4):237–44, Dec 75 (13 ref.)
Viruses as teratogens. Monif GR. **Clin Obstet Gynecol** 18(4):209–20, Dec 75 (20 ref.)
[Biophysical study of viral infectious agents migrating from inoculated cells into the environment. I. The nature of the factors for the intrareproductive dissemination of the influenza virus] Maksimovich MB, et al. **Mikrobiol Zh** 36(5):651–8, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

[Some biological properties of the LPP-1 cyanophage strain] Mendzhul MI, et al. **Mikrobiol Zh** 36(2):185–90, Feb–Mar 74 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

Animal viruses, radiation, repair mechanisms, and cancer. Cameron KR. **Basic Life Sci** 5B:755–61, 1975 (33 ref.)
Role of protein in the inactivation of viruses by ultraviolet radiation. pp. 105–22. Gordon MP. **In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975.** (41 ref.)
[Sterilization by ionizing radiations (author's transl)] Transy MJ, et al. **Rev Epidemiol Sante Publique** 24(2):165–84, Mar–Apr 76 (31 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The structure of tubular viruses. Hull R. **Adv Virus Res** 20:1–32, 1976 (96 ref.)
Frictional properties of nonspherical multisubunit structures. Application to tubules and cylinders. McCammon JA, et al. **Biopolymers** 15(7):1397–408, Jul 76
The chemical basis of virus structure, dissociation and reassembly. Kaper JM. **Front Biol** 39:1–485, 1975
Proceedings: Immune electron microscopy for viral particles in Crohn's disease. Whorwell PJ, et al. **Gut** 17(5):399–400, May 76
Viruslike particles in granulomatous angiitis of the central nervous system. Reyes MG, et al. **Neurology (Minneap)** 26(8):797–9, Aug 76
[Viruses and membranes. Fulda Workshop report] Hosaka Y, et al. **Protein Nucleic Acid Enzyme (Tokyo)** 20(6):613–5, May 75 **(Jpn)**

VISAMMIN see **KHELLIN**

VISCEROPTOSIS

DIAGNOSIS

Torsion of a visceroptosed spleen. Shende A, et al. **Am J Dis Child** 130(1):88–91, Jan 76

DRUG THERAPY

[Studies on drug therapy of hypofunction of gastric motility in gastroptosis] Okuse T, et al. **Clin Endocrinol (Tokyo)** 23(11):1129–31, Nov 75 **(Jpn)**

OCCURRENCE

[Postoperative evisceration in early childhood] Apostolov A, et al. **Khirurgiia (Sofiia)** 28(3):267–74, 1975 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

Influence of postural changes on the glomerular filtration rate in nephroptosis. Bianchi C, et al. **Nephron** 16(3):161–72, 1976

SURGERY

[Operative treatment of nephroptosis] Mandevski S, et al. **Khirurgiia (Sofiia)** 28(1):65–71, 1975 (Eng. Abstr.) **(Bul)**

URINE

[Results of a bacteriological study of the urine in children with nephroptosis] Goligorskii SD, et al. **Vrach Delo** (1):89–92, Jan 76 (Eng. Abstr.) **(Rus)**

VISCOSITY

see related
BLOOD VISCOSITY

Infinite dilution viscoelastic properties of poly(gamma-benzyl-L-glutamate) in m-cresol. Ookubo N, et al. **Biopolymers** 15(5):929–47, May 76
The effect of surface tension in capillary viscometry of biological materials. McMillan DE. **Biorheology** 12(1):11–19, Feb 75
Fast-reacting viscometer for low wall shear stress measurements. Obrecht B, et al. **Biorheology** 12(3–4):211–5, Jun 75
Elevated microviscosity in membranes of erythrocytes affected by hereditary spherocytosis. Aloni B, et al. **Br J Haematol** 31(1):117–23, Sep 75
Viscosity of multicomponent systems of normal fatty acids: principle of congruence. Fernandez-Martin F, et al. **J Am Oil Chem Soc** 53(4):130–1, Apr 76
Fluorescence polarization and viscosities of membrane lipids of 3T3 cells. Fuchs P, et al. **Proc Natl Acad Sci USA** 72(9):3351–4, Sep 75
Demonstration of lag phase in the sol-gel transformation of deoxygenated S hemoglobin without temperature alteration. Harris JW, et al. **Proc Soc Exp Biol Med** 149(4):826–9, Sep 75
Scanning of viscosity in sputum. Jenssen AO. **Scand J Respir Dis** 57(1):31–6, 1976
[Letter: Study of the rheological properties of human lymph] Stoltz JF, et al. **Biorheology** 13(1):83–84, Feb 76 **(Fre)**
[Viscosity and its measurement in the pharmacopoeias] Molle L, et al. **J Pharm Belg** 30(5–6):597–619, Sep–Dec 75 (Eng. Abstr.) **(Fre)**
[Influence of viscosity of the solvent on the dissolution rate (author's transl)] Riehl J, et al. **Arch Pharm (Weinheim)** 309(4):241–50, Apr 76 (Eng. Abstr.) **(Ger)**
[The use of energy in casting and the viscosity of zinc oxide-eugenol pastes] Schwickerath H. **Dtsch Zahnaerztl Z** 30(8):527–30, Aug 75 (Eng. Abstr.) **(Ger)**
[Rheology of sputum] Turczński B, et al. **Pneumonol Pol** 44(7):663–8, Jul 76 **(Pol)**
[Effect of a single inhalation of alkaline water 'Mieszko' on some rheological properties of sputum] Kossmann S, et al. **Pol Tyg Lek** 31(18):753–5, 3 May 76 (Eng. Abstr.) **(Pol)**
[Pulmonary ventilation and sputum viscosity in miners with chronic bronchitis complicating pneumoconiosis] Turczyński B, et al. **Pol Tyg Lek** 31(27):1141–3, 5 Jul 76 (Eng. Abstr.) **(Pol)**

VISCUM

[Investigation to improve the survival of patients with bronchial carcinomas 'radically operated' (author's transl)] Salzer G. **Z Erkr Atmungsorgane** 142(2):127–31, Feb 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[A heterophilic anti-B ('anti-BVA') from extracts of Viscus album L. (author's transl)] Luther P, et al. **Z Immunitaetsforsch** 146(1):29–35, Sep 73 (Eng. Abstr.) **(Ger)**

VISION

see related
VISUAL PERCEPTION

Binocular summation and peripheral visual response time. Gilliland K, et al. **Am J Optom Physiol Opt** 52(12):834–9, Dec 75
Functional asymmetries of the human visual system as revealed by binocular rivalry and binocular brightness matching. Kaushall P. **Am J Optom Physiol Opt** 52(8):509–20, Aug 75
Suppressive processes in binocular vision: ocular dominance and amblyopia. Porac C, et al. **Am J Optom Physiol Opt** 52(10):651–7, Oct 75
Arsanilic acid-induced blindness in swine: electroretinographic and visually evoked responses. Witzel DA, et al. **Am J Vet Res** 37(5):521–4, May 76
Human vision. Some objective explorations. Riggs LA. **Am Psychol** 31(2):125–34, Feb 76
The effects of vision on the general locomotor behaviour of the goldfish, Carassius auratus. Timms AM. **Anim Behav** 24(2):376–80, May 76
Peripheral mechanisms of vision. Witkovsky P. **Annu Rev Physiol** 33:257–80, 1971 (173 ref.)
Visually evoked response. Use in neurologic evaluation of posttraumatic subjective visual complaints. Feinsod M, et al. **Arch Ophthalmol** 94(2):237–40, Feb 76
Large optic nerve glioma with normal vision. Goodman SJ, et al. **Arch Ophthalmol** 93(10):991–5, Oct 75
Optics and vision physiology. Safir A, et al. **Arch Ophthalmol** 94(5):852–62, May 76 (366 ref.)
Considerations of vision and cerebral function during hypotension. Nicholson AN. **Aviat Space Environ Med** 46(8):996–9, Aug 75
Energetics of primary processes in visula escitation: photocalorimetry of rhodopsin in rod outer segment membranes. Cooper A, et al. **Biochemistry** 15(14):2970–8, 13 Jul 76
Absorption characteristics of oriented photopigments in microvilli. Israelachvili JN, et al. **Biol Cybern** 21(1):9–15, 2 Jan 76
Geometry of binocular vision and a model for stereopsis. Koenderink JJ, et al. **Biol Cybern** 21(1):29–35, 2 Jan 76
Binocular convergence in man during total sleep deprivation. Horne JA. **Biol Psychol** 3(4):309–19, Dec 75
Visual performance of children in Norwegian special schools. Krekling S, et al. **Br J Physiol Opt** 28(3):149–61, 1973
The role of visual function in the patterning of binocular visual connexions. Keating MJ. **Br Med Bull** 30(2):145–51, May 74
An adaptive neural model compatible with plastic changes induced in the human vestibulo-ocular reflex by prolonged optical reversal of vision. Davies P, et al. **Brain Res** 103(3):546–50, 27 Feb 76
Prerequisite for development of visually guided reaching in the kitten. Hein A. **Brain Res** 71(2–3):259–63, 17 May 74
Development of sensorially-guided reaching in infant monkeys. Held R, et al. **Brain Res** 71(2–3):265–71, 17 May 74
Adaptation of cat vestibulo-ocular reflex to 200 days of optically reversed vision. Jones GM, et al. **Brain Res** 103(3):551–4, 27 Feb 76
Attention to visual and kinesthetic components of skills. Klein RM, et al. **Brain Res** 71(2–3):401–11, 17 May 74
Hypothalamic neuronal responses associated with the sight of food. Rolls ET, et al. **Brain Res** 111(1):53–66, 23 Jul 76
Evidence that binocular competition affects the postnatal development of Y-cells in the cat's lateral geniculate nucleus. Sherman SM, et al. **Brain Res** 100(2):441–4, 19 Dec 75

Development of visuomotor behavior in normal and dark-reared cats. van Hof-Van Duin J. **Brain Res** 104(2):233–41, 12 Mar 76

The effects of monocular visual deprivation: disuse or binocular interaction? Von Noorden GK, et al. **Brain Res** 111(2):277–85, 30 Jul 76

Mathematical principles in afferent visual neurons: differentiation, integration and transient proportionality related to receptive fields and shift-effect. Fischer B, et al. **Bull Math Biol** 38(3):253–67, 1976

Posture as a determinant of visual behavior in newborns. Fredrickson WT, et al. **Child Dev** 46(2):579–82, Jun 75

Sector retinitis pigmentosa. Electrophysiological and psychophysical study of the visual system. Abraham FA. **Doc Ophthalmol** 39(1):13–28, 21 Nov 75

Use of the electroretinogram to measure the quality of vision of the fruit fly. Agee HR, et al. **Environ Lett** 10(2):171–6, 1975

Development of vestibulo-ocular responses in visually deprived kittens. Berthoz A, et al. **Exp Brain Res** 23(4):425–42, 24 Oct 75

Restoration of vision in genetically eyeless axolotls (Ambystoma mexicanum). Ornberg RL. **Exp Neurol** 50(1):113–23, Jan 76

Visual neglect in the tree shrew after interruption of the descending projections of the deep superior colliculus. Raczkowski D, et al. **Exp Neurol** 50(1):14–29, Jan 76

Behavioral and electrophysiological changes in visual sensitivity following prolonged exposure to constant light. Weizenbaum F, et al. **Exp Neurol** 48(3 Pt 1):440–6, Sep 75

Eye rotation surgically induced in cats modifies properties of cortical neurons. Yinon U. **Exp Neurol** 51(3):603–27, Jun 76

Olfactory and visual cues in social interactions of Lemur catta. Mertil AS. **Folia Primatol (Basel)** 26(2):151–61, 1976

Molecular aspects of visual reception in vertebrates. pp. 391–410. Daemen FJ.
In: Burton RM, Packer L, ed. Biomembranes: lipids, proteins and receptors. Webster Groves, Mo., BI-Science Publications, 1975. QH 601 N12b 1974. (58 ref.)

Biochemistry of visual pigments in relation to visual excitation. pp. 1–22. Bonting SL, et al.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. (54 ref.)

On the significance of two-dimensional super-structures in biomembranes for energy-transfer and signal conversion. pp. 311–28. Kreutz W, et al.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.

A new orthoptic technique in learning disability due to visual dyslexia. pp. 317–23. Dunlop DB, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Cyclophoria or cyclovergence: illusion or reality? pp. 403–8. Jampel RS, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Fusion and stereopsis in aphakia. pp. 523–9. Nolan J, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Observations of ocular dominance in the binocular vision of children. pp. 311–5. Raynar-Smith V.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

. isual input and its influence on motor and sensory systems in man. pp. 261–81. Shahani M.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

The Awards Program of the Association for Research in Vision and Ophthalmology. Spector A. **Invest Ophthalmol** 14(10):715–9, Oct 75

Modification of vocalizations of preschool deaf children by vibrotactile and visual displays. Goldstein MH Jr, et al. **J Acoust Soc Am** 59(6):1477–81, Jun 76

Cross-modal facilitation of response in behavioral audiometry with children. St. James-Roberts I. **J Am Audiol Soc** 1(3):119–25, Nov-Dec 75

Vision-related information for the pharmacist. Milkie GM. **J Am Pharm Assoc** 15(10):556–7, Oct 75

Proceedings: The photoreceptive mechanism in vision. Yoshizawa T. **J Biochem (Tokyo)** 79(4):51P, Apr 76

The effect of age on the reversibility of cellular atrophy in the LGN of the cat following monocular deprivation: a test of two hypotheses about cell growth. Cragg B, et al. **J Comp Neurol** 168(3):345–53, 1 Aug 76

Cell growth in the lateral geniculate nucleus of kittens following the opening or closing of one eye. Wan YK, et al. **J Comp Neurol** 166(3):365–71, 1 Apr 76

Behavioral control of visual fixation of the rhesus monkey. Crawford ML. **J Exp Anal Behav** 25(1):113–21, Jan 76

Effect of unilateral visual deprivation and visual stimulation on the activities of glutamate decarboxylase, GABA-alpha ketoglutarate transaminase, aspartate aminotransferase and hexokinase of the optic lobe of the adult pigeon. Chakrabarti T, et al. **J Neurochem** 27(1):273–6, Jul 76

Effects of early binocular deprivation on visual input to cat superior colliculus. Hoffmann KP, et al. **J Neurophysiol** 38(5):1049–59, Sep 75

Stereopsis in normal domestic cat, Siamese cat, and cat raised with alternating monocular occlusion. Packwood J, et al. **J Neurophysiol** 38(6):1485–99, Nov 75

Visual cells in the pontine nuclei of the cat. Baker J, et al. **J Physiol (Lond)** 255(2):415–33, Feb 76

Proceedings: Interaction of visual and auditory inputs to cerebellar Purkinje cells in cat posterior vermis. Caan W, et al. **J Physiol (Lond)** 258(1):20P–21P, Jun 76

Proceedings: The visual input to the pigeon cerebellum. Clarke PG. **J Physiol (Lond)** 258(2):61P–62P, Jun 76

Proceedings: Visual signals in the cat. Cleland BG, et al. **J Physiol (Lond)** 252(2):42P–43P, Nov 75

Kittens reared in a unidirectional environment: evidence for a critical period. Daw NW, et al. **J Physiol (Lond)** 257(1):155–70, May 76

Increase by visual stimuli in turnover of 5-hydroxytryptamine in the superior colliculi of the rabbit. Fukui K, et al. **J Physiol (Lond)** 254(2):519–29, Jan 76

Proceedings: Binocular visual neurones in the frog thalamus. Keating MJ, et al. **J Physiol (Lond)** 258(2):69P–70P, Jun 76

A new approach to the frequency response of human vision. King-Smith PE, et al. **J Physiol (Lond)** (1):36P–37P, 257

Proceedings: Textured kinetic stimuli for use in visual neurophysiology: an inexpensive and versatile electronic display. MacKay DM, et al. **J Physiol (Lond)** 252(2):10P–11P, Nov 75

Proceedings: Signal recovery in the visual system of insects. Tunstall J. **J Physiol (Lond)** 258(1):17P–18P, Jun 76

Progress of topographic regulation of the visual projection in the halved optic tectum of adult goldfish. Yoon MG. **J Physiol (Lond)** 257(3):621–43, Jun 76

The visual inner transform of the outer optical medium and the visual resolution. Ciures A. **J Theor Biol** 55(1):145–51, Nov 75

An electronic device using a television picture tube to analyse visual receptive fields of neurons. Veraart C. **Med Biol Eng** 12(3):382–5, May 74

Influence of efferent retinal fibres on responsiveness of ganglion cells to light. Cervetto L, et al. **Nature** 260(5546):56–7, 4 Mar 76

Coupling between rod photoreceptors in a vertebrate retina. Copenhagen DR, et al. **Nature** 260(5546):57–9, 4 Mar 76

Rod-cone mechanism underlying the Purkinje shift. Palmer DA. **Nature** 262(5569):601–3, 12 Aug 76

Bicycle-pedal model for the first step in the vision process. Warshel A. **Nature** 260(5553):679–83, 22 Apr 76

Cross-modal matching in the rhesus monkey using a single pair of stimuli. Weiskrantz L, et al. **Neuropsychologia** 13(3):257–61, Sep 75

Auditory versus audio-visual intelligibility measurements of alaryngeal speech: a preliminary report. Berry RA, et al. **Percept Mot Skills** 40(3):915–8, Jun 75

Eye dominance in a reading clinic population. Palmer LL. **Percept Mot Skills** 42(3):721–4, Jun 76

A possible hybrid mechanism for modification of visual direction associated with eye movements - the paralyzed-eye experiment reconsidered. Martin L. **Perception** 5(2):233–9, 1976

On interocular transfer of the movement aftereffect in indivuals with and without normal binocular vision. Wade NJ. **Perception** 5(1):113–8, 1976

Changes in alpha rhythm asymmetry during learning of verbal and visuospatial tasks. Chartock HE, et al. **Physiol Behav** 15(2):237–9, Aug 75

Effects of enucleation in retinal degenerate mice. Dyer RS, et al. **Physiol Behav** 14(2):207–10, Feb 75

Influence of enucleation upon two-way avoidance behavior of rats, hamsters, chinchillas and BALB/cJ mice. Dyer RS, et al. **Physiol Behav** 14(2):211–6, Feb 75

The ommatidium of the dorsal eye of cloeon as a specialization for photoreisomerization. Horridge GA. **Proc R Soc Lond [Biol]** 193(1110):17–29, 30 Mar 76

The structure of haptic space in the blind and sighted. Brambring M. **Psychol Res** 38(3):283–302, 10 Feb 76

The selective utilization of information in the optic array. Foley JE, et al. **Psychol Res** 38(3):251–65, 10 Feb 76

Visual attention to contingent and non-contingent stimulation in six- and nine-month-old infants. Millar WS. **Psychol Res** 37(4):309–19, 1975

Visual sensations induced by relativistic pions. McNulty PJ, et al. **Radiat Res** 66(3):519–30, Jun 76

Temperature and vision. Ali MA. **Rev Can Biol** 34(3):131–77, Sep 75 (188 ref.)

Subjective measurement of high-order aberrations of the eye. Howland B, et al. **Science** 193(4253):580–2, 13 Aug 76

Visual adaptation: effects of externally applied retinal on the light-adapted, isolated skate retina. Pepperberg DR, et al. **Science** 191(4225):394–6, 30 Jan 76

Monitoring of visual function during parasellar surgery. Wilson WB, et al. **Surg Neurol** 5(6):323–9, Jun 76

Sjögren's syndrome. Its relationship with connective tissue disease and factors affecting the visual prognosis. Wright P. **Trans Ophthalmol Soc UK** 94(3):764–72, Sep 74

Influence of stimulus parameters on visual sensitivity during saccadic eye movement. Brooks BA, et al. **Vision Res** 15(12):1389–98, Dec 75

Quantum fluctuation limit in foveal vision. Cohn TE. **Vision Res** 16(6):573–9, 1976

A schematic dioptric apparatus for the frog's eye (Rana esculenta). du Pont JS, et al. **Vision Res** 16(8):803–10, 1976

An asymmetric optomotor response in developing flounder larvae (Pseudopleuronectes americanus). Finger TE. **Vision Res** 16(9):941–3, 1976

Effects of intense visible radiation on the increment-threshold spectral sensitivity of the rhesus monkey eye. Harwerth RS, et al. **Vision Res** 15(11):1193–204, Nov 75

Energy, quanta and Limulus vision. Kaplan E, et al. **Vision Res** 16(7):745–51, 1976

The fusion illusion. Kaufman L, et al. **Vision Res** 16(5):535–43, 1976

Fusion prevails: A reply to Kaufman and Arditi. Kertesz AE, et al. **Vision Res** 16(5):545–52, 1976

Enhancement of averaged evoked responses to brief flashes after offset of preexposed light stimulation: a critical moment. Kitajima S, et al. **Vision Res** 15(11):1213–6, Nov 75

The effects of target orientation on threshold during early dark adaptation. Kitterle FL, et al. **Vision Res** 15(11):1294–6, Nov 75

The effect of borders and contours on threshold during early dark adaptation. Kitterle FL, et al. **Vision Res** 15(11):1217–24, Nov 75

On measuring interocular transfer. Lehmkuhle SW, et al. **Vision Res** 16(4):428–30, 1976

Binocular interaction in the da . Makous W, et al. **Vision Res** 16(5):473–6, 1976

Some characteristics of the visual masking by moving contours. Meteeff S, et al. **Vision Res** 16(5):489–92, 1976

Visual acuity and visual responsiveness in dark-reared monkeys (Macaca nemestrina). Regal DM, et al. **Vision Res** 16(5):523–30, 1976

A technique for generating moving visual stimuli on a C.R.O. Rogers BJ. **Vision Res** 16(4):415–7, 1976

Dynamic accommodative vergence components in binocular vision. Semmlow J, et al. **Vision Res** 16(4):403–10, 1976

Further differences in receptive field properties of simple and complex cells in cat striate cortex. Sherman SM, et al. **Vision Res** 16(9):919–27, 1976

Hemispheric interactions in human fusional response. Sullivan MJ, et al. **Vision Res** 15:945–8, Aug-Sep 75

Naso-temporal overlap and hemispheric interactions in human cyclofusional response. Sullivan MJ, et al. **Vision Res** 16(5):553–5, 1976

Sustained and transient channels in human vision. Tolhurst DJ. **Vision Res** 15:1151–5, Oct 75

The effect of micromovements of the eye and exposure duration on contrast sensitivity. Tulunay-Keesey U, et al. **Vision Res** 16(5):481–8, 1976

Luminance-duration relation in reaction time to spectral stimuli. Ueno T. **Vision Res** 16(7):721–5, 1976

The scotopic Stiles-Crawford effect. Van Loo JA Jr, et al. **Vision Res** 15:1005–9, Aug-Sep 75

The effect of contrast on the Zöllner illusion. Wallace GK. **Vision Res** 15:963–6, Aug-Sep 75

[Aging of visual function] Lavergne G. **Arch Ophtalmol (Paris)** 35(5):449–54, May 75 **(Fre)**

[Is visual experience necessary for the maturation of vestibular control of eye movement] Berthoz A, et al. **C R Acad Sci [D] (Paris)** 280(15):1805–8, 21 Apr 75 **(Fre)**

[Vision in fish. An historical and analytical bibliography] Feuerwerker E, et al. **Rev Can Biol** 34(4):221–85, Dec 75 (Eng. Abstr.) **(Fre)**

[Stereoscopic vision with alternating presentation of stereo pairs (author's transl)] Herzau V. **Albrecht von Graefes Arch Klin Ophthalmol** 200(1):85–91, 26Jul 76 (Eng. Abstr.) **(Ger)**

[Entoptic examination methods] Ehrich W. **Ber Dtsch Ophthalmol Ges** (73):97–103, 1975 **(Ger)**

[A model for the spatial-temporal signal transmission properties of the human visual system based on the linear system theory of continuous media (author's transl)] Röhler R. **Biol Cybern** 22(2):97–105, 30 Mar 76 (Eng. Abstr.) **(Ger)**

[Visual performance and traffic safety] Piper HE. **Hefte Unfallheilkd** (121):392–400, 1975 **(Ger)**

[The influence of eyesight on organ and metabolic function in man and animal] Dieckhues VB. **Hippokrates** 45(4):433–49, Nov 74 **(Ger)**

[Comparative conformations of photoreception of retinal-protein complexes] pp. 55–77. Oesterhelt D.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. **(Ger)**

[Equilibrium regulation and visual influence; studies using the pendular-platform-test (author's transl)] Reicke N. **Laryngol Rhinol Otol (Stuttg)** 54(6):506–11, Jun 75 (Eng. Abstr.) **(Ger)**

[Biophysics of visi n] Stieve H. **Naturwissenschaften** 62(9):425–33, Sep 75 (Eng. Abstr.) **(Ger)**

[Significance of the absence of the visual information system for the development of blind infants] Goebel P. **Prax Kinderpsychol Kinderpsychiatr** 24(6):218–21, Aug-Sep 75 (Eng. Abstr.) **(Ger)**

[A study for the visual function of the primary open-angle glaucoma (author's transl)] Azuma I, et al. **Acta Soc Ophthalmol Jpn** 79(9):1119–38, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Studies on the clinical application of the human visual evoked potentials. (2) Macular function and VEP (author's transl)] Nakamura Z. **Acta Soc Ophthalmol Jpn** 79(9):1192–200, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[A study of CFF under binocular condion.—Each CFF at retinal corresponding points under binocular single vision—(author's trans)] Nishioka K. **Acta Soc Ophthalmol Jpn** 79(9):1314–20, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Visual evoked potential in natural vision (author's transl)] Uenoyama K. **Acta Soc Ophthalmol Jpn** 79(9):1201–6, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Visually evoked potentials and visual pathway

disorders in neurosurgery] Kawamura H, et al. **J Physiol Soc Jpn** 36(8–9):316–7, 1 Sep 74 **(Jpn)**

[Proceedings: Frequency distribution of visually evoked cerebral waves] Nogawa T, et al. **J Physiol Soc Jpn** 36(8–9):317, 1 Sep 74 **(Jpn)**

[Polarotaxis in beetles of genus Lethrus (Coleoptera, Scarabaeidae) in different spectral regions] Frantsevich LI, et al. **Dokl Akad Nauk SSSR** 226(3):733–6, 21 Jan 76 **(Rus)**

[Discrimination of the direction of the E-vector of linearly polarized light by the goldfish retina] Dogadov AA, et al. **Fiziol Zh SSSR** 62(5):687–93, May 76 (Eng. Abstr.) **(Rus)**

[Biochemical correlates of functional features of visual cortex neurons] Pigareva ZD, et al. **Fiziol Zh SSSR** 62(2):153–9, Feb 76 (Eng. Abstr.) **(Rus)**

[New study plans in school and the state of visual functions in schoolchildren] Sychev AA. **Gig Sanit** (2):34–8, Feb 75 (Eng. Abstr.) **(Rus)**

[Mechanism of the visual perception of motion] Ivanon EA, et al. **Izv Akad Nauk SSSR [Biol]** (5):701–12, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Morphochemical differentiation of neurons of the lateral geniculate body of the rabbit brain following early visual deprivation] Chebotareva TL, et al. **Tsitologiia** 18(2):166–70, Feb 76 (Eng. Abstr.) **(Rus)**

[An interferometric study of the reaction of neurons in the motor area of the cerebral cortex to early visual deprivation] Gershtein LM. **Tsitologiia** 18(1):48–52, Jan 76 (Eng. Abstr.) **(Rus)**

[Functional state of the visual analyzer in radiotelegraph operators] Kolbanov VV, et al. **Voen Med Zh** (11):53–5, Nov 75 **(Rus)**

[Basic differences in functional organization of the visual system in extreme representatives of evolutionary lines of vertebrates] Glezer VD. **Zh Evol Biokhim Fiziol** 11(5):474–8, Sep–Oct 75 (23 ref.) **(Rus)**

[Cytochemical indices of intercentral interrelations of the motor and visual analyzers during light deprivation] Gershtein LM, et al. **Zh Nevropatol Psikhiatr** 76(7):997–1002, 1976 (Eng. Abstr.) **(Rus)**

[Neurophysiologic and biochemical aspects of visual system development in the rabbit under conditions of photic deprivation] Volokhov AA, et al. **Zh Vyssh Nerv Deiat** 25(4):799–807, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The commission's experimental studies of acute effects of marijuana, delta9-thc and alcohol in humans. pp. 685–8. Miller RD, et al.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North-Holland, 1973. QV 77 P973 1972.

PHYSIOLOGY

Polarized light discrimination by pigeons and an electroretinographic correlate. Delius JD, et al. **J Comp Physiol Psychol** 90(6):560–71, Jun 76

Preservation of cross-modal transfer of a rate discrimination in the bushbaby (Galago senegalensis) with lesions of posterior neocortex. Ward JP, et al. **J Comp Physiol Psychol** 90(6):520–7, Jun 76

Sensorimotor function of the midbrain tectum. II. Classes of visually guided behavior. Ingle D. **Neurosci Res Program Bull** 13(2):180–5, May 75

Iconic memory. Sakitt B. **Psychol Rev** 83(4):257–76, Jul 76

[Decrease of the sensory threshold in the differential diagnosis of various functional conditions established by the I/t curve tracing the origin of phosphenes] Grünner O. **Cesk Neurol Neurochir** 39(2):49–58, Mar 76 (Eng. Abstr.) **(Cze)**

[Professional visual fitness] Verriest G, et al. **Bull Soc Belge Ophtalmol** 169(1):1–552, 1975 (208 ref.) **(Fre)**

[Characteristics of monocular perception of line orientation by the right and left eyes and their possible neurophysiological mechanisms] Leushina LI, et al. **Dokl Akad Nauk SSSR** 229(1):237–40, JUL–AUG 76 **(Rus)**

RADIATION EFFECTS

Muon-induced visual sensations. McNulty PJ, et al. **J Opt Soc Am** 66(1):49–55, Jan 76

[Ocular effects of cosmic rays on the eyes] Grigor'ev IuG, et al. **Kosm Biol Aviakosm Med** 9(4):46–53, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

VISION DISORDERS

Visual functions after perinatal macular haemorrhage. Lowes M, et al. **Acta Ophthalmol (Kbh)** 54(2 p):227–32, Apr 76

Clinical aspects of convergence. Kramer LW. **Am Orthopt J** 25:106–8, 1975

Television reading system. Blankenagel A, et al. **Child Care Health Dev** 1(5):369–72, Sep–Oct 75

Registration and notification. Fine SR. **Child Care Health Dev** 1(5):309–13, Sep–Oct 75

The education of visually handicapped children in Great Britain. Harcourt B. **Child Care Health Dev** 1(5):359–61, Sep–Oct 75

Special education in Denmark and integration of visually handicapped children in normal classes in the public school. Lindau H. **Child Care Health Dev** 1(5):351–7, Sep–Oct 75

Integrated education of visually handicapped children: lines of communication between the professionals in charge. Warburg M. **Child Care Health Dev** 1(5):345–9, Sep–Oct 75

Simulating age-related sensory impairments for practitioner education. Hickey T. **Gerontologist** 15(5 PT 1):457–63, Oct 75

Disorders of vision: degenerative diseases. pp. 179–86. Ruiz RS.
In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974.

Retinal correspondence in congenital esotropia. pp. 353–7. Fischer N, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Retinal correspondence in intermittent exotropia. pp. 547–9. Forrer HT.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Acute transient monocular disequilibrium (Halpern's syndrome). Feinsod M, et al. **Isr J Med Sci** 11(8):829–31, Aug 75

[Optic ataxia localised in the left side of both 2 left homonymous visual hemifields] Castaigne P, et al. **Rev Neurol (Paris)** 131(1):23–8, Jan 75 (Eng. Abstr.) **(Fre)**

[Fixation disparity under various test-conditions (author's transl)] Herzau V. **Albrecht von Graefes Arch Klin Ophthalmol** 197(2):193–202, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Strabismus, vision disorders and high degree of visual disability in children] Keller HH. **Ophthalmologica** 172(2–3):186–7, 1976 **(Ger)**

[Early diagnosis and early treatment of vision disorders in children] Freigang M. **Ther Ggw** 115(2):225–40, Feb 76 **(Ger)**

[Eye examination and therapy in cases of traffic accidents in the light of legal procedures] Mondelski S. **Klin Oczna** 46(2):223–8, Feb 76 (Eng. Abstr.) **(Pol)**

[Macropsia and micropsia in the process of binocular vision] Sokolowski T. **Klin Oczna** 46(4):403–6, 1976 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Miotic drugs: a review of ocular, visual, and systemic complications. Rengstorff R, et al. **Am J Optom Physiol Opt** 53(2):70–80, Feb 76

Letter: Visual defect from chloroquine phosphate. Frankel EB. **Arch Dermatol** 111(8):1069, Aug 75

Letter: Ibuprofen and visual function. Levy NS, et al. **Arch Ophthalmol** 94(5):868–9, May 76

Ocular symptoms induced by organic phosphorous insecticides. Kogure M, et al. **J Am Med Wom Assoc** 30(10):420–2, Oct 75

Ocular and visual side effects of drugs—a reconsideration. Koetting JF. **J Am Pharm Assoc** 15(10):558–67, 596, Oct 75

Farnsworth 100-hue test in diagnosis of ethambutol-induced damage to optic nerve. Trusiewicz D. **Ophthalmologica** 171(6):425–31, 1975

[Phenomena and mechanisms of hypermetropic intraocular musculature determined by clinical and experimental digitalis poisoning] Carapancea M. **Physiologie** 13(2):115–20, Apr–Jun 76 **(Fre)**

[Indomethacin and vision disorders] Naess K. **Tidsskr Nor Laegeforen** 96(16):947–8, 10 Jun 76 **(Nor)**

CLASSIFICATION

Letter: Classification of visual performance. Colenbrander A. **Am J Optom Physiol Opt** 53(5):274, May 76

Letter: Classification of visual performance. Spivey BE, et al. **Arch Ophthalmol** 94(7):1227, Jul 76

COMPLICATIONS

Adrenoleukodystrophy with disease of the eye and optic nerve. Wray SH, et al. **Am J Ophthalmol** 82(3):480–5, Sep 76

Surgical treatment of congenital nystagmus in patients with singular binocular vision. Sandall GS. **Ann Ophthalmol** 8(2):227–38, Feb 76

Reading disability: age differences and the perceptual-deficit hypothesis. Vellutino FR, et al. **Child Dev** 46(2):487–93, Jun 75

Visual efficiency and learning disabilities. pp. 149–61. Kaplan M.
In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973. (16 ref.)

Sensory deficits and behavioral deterioration in senescence. O'Neil PM, et al. **J Abnorm Psychol** 84(5):579–82, Oct 75

Neuropsychologic function of children with severe hearing impairment. Wilson JJ, et al. **J Speech Hear Res** 18(4):634–52, Dec 75

Letter: Under scrutiny of optometry. Seiderman AS. **Pediatrics** 57(6):980–1, Jun 76

Field dependence in visually and nonvisually involved learning disabled children. Cowen RJ, et al. **Percept Mot Skills** 43(1):67–74, Aug 76

Use of the Beery Visual-Motor Integration Test with partially sighted students. Kraetsch-Heller G. **Percept Mot Skills** 43(1):11–14, Aug 76

Letter: Some aspects of learning disabilities in children. Super S. **S Afr Med J** 50(8):236, 21 Feb 76

Partial sight-partial achievement? Lansdown R. **Spec Educ Forward Trends** 2(2):11–3, Jun 75

[Cataract extraction in patients with incorrect light projection] Haklová M, et al. **Cesk Oftalmol** 31(6):440–6, Nov 75 (Eng. Abstr.) **(Cze)**

CONGENITAL

[Electroencephalographic studies in children with congenital vision disorders] Gerkowicz K, et al. **Pol Tyg Lek** 30(48):1993–6, 1 Dec 75 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Primary empty sella syndrome with visual field defects. Buckman MT, et al. **Am J Med** 61(1):124–8, Jul 76

The art of perimetry. Harrington DO. **Am J Ophthalmol** 80(3 Pt 1):414–6, Sep 75

The 'Pooh Corner' vision study. Amigo G, et al. **Am J Optom Physiol Opt** 53(2):60–5, Feb 76

Simple formulas for computation of prism vergence and accommodation stimulation in a Brewster stereoscope. Flax N. **Am J Optom Physiol Opt** 53(6):297–302, Jun 76

Evaluation of a non-professional visual screening method. Wick B, et al. **Am J Optom Physiol Opt** 52(9):607–13, Sep 75

Missed diagnoses in pediatric neuro-ophthalmology. Glaser JS. **Am Orthopt J** 25:18–26, 1975

Visually evoked response. Use in neurologic evaluation of posttraumatic subjective visual complaints. Feinsod M, et al. **Arch Ophthalmol** 94(2):237–40, Feb 76

Clinical ophthalmic assessment in visually handicapped children. Harcourt B. **Child Care Health Dev** 1(5):315–24, Sep–Oct 75

The paediatrician's role in comprehensive assessment of the visually handicapped child. Zinkin P. **Child Care Health Dev** 1(5):335–8, Sep–Oct 75

Vision screening for migrant children. Miller PG. **Child Today** 5(2):6–7, 36, Mar–Apr 76

Partially sighted Swedish schoolchildren. Lindstedt E. **Doc Ophthalmol** 39(2):351–64, 30 Dec 75

Binocular and monocular visual evoked responses in the differential diagnosis of psychogenic and disease-related visual disorders. Kooi KA, et al. **Int J Neurol** 9(3–4):272–86, 1975

Optic ataxia: clinical-radiological correlations with the EMIscan. Boller F, et al. **J Neurol Neurosurg Psychiatry** 38(10):954–8, Oct 75

Chronic vision problems of school-age children. von Noorden GK. **J Sch Health** 46(6):334–7, Jun 76

The eye in neurological and neurovascular disease: Part 1. Moore CE. **Med J Aust** 2(13):523–4, 27 Sep 75

[Visual agnosias] Marx P. **Cesk Oftalmol** 32(2):120–7, Mar 76 (Eng. Abstr.) **(Cze)**

[Pratical remarks on Farnsworth 100 Hue in acquired dyschromatopsies] Biais B, et al. **Arch Ophtalmol (Paris)** 36(2):147–54, Feb 76 (Eng. Abstr.) **(Fre)**

[Contribution to the differential diagnosis of isolated visual field defects under special consideration of optic neuritis (author's transl)] Hoffmann K, et al. **Klin Monatsbl Augenheilkd** 165(5):739–50, Nov 74 (Eng. Abstr.) **(Ger)**

[Visual field disturbance, correlated with neurological surgery (author's transl)] Fujino T. **Neurol Surg (Tokyo)** 4(3):229–34, Mar 76 **(Jpn)**

DRUG THERAPY

[Is a medical treatment of glaucomatous field defects possible? Results of a double blind study (author's transl)] Leydhecker W. **Klin Monatsbl Augenheilkd** 168(05):631–6, May 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Visual functions after perinatal macular haemorrhage. Lowes M, et al. **Acta Ophthalmol (Kbh)** 54(2 p):227–32, Apr 76

Complications of orbital and skull base phlebography. Brismar G, et al. **Acta Radiol [Diagn] (Stockh)** 17(3):274–80, May 76

Visual loss and perioptic vascular malformations in the eye and orbit. Kollartis CR, et al. **Am J Ophthalmol** 82(2):237–40, Aug 76

Ocular involvement in benign botulism B. König H, et al. **Am J Ophthalmol** 80(3 Pt 1):430–2, Sep 75

Visual loss after cardiopulmonary bypass. Taugher PJ. **Am J Ophthalmol** 81(3):280–8, Mar 76

Letter: Unilateral proptosis and visual field defect associated with hydrocephalus. Shapiro K, et al. **Arch Neurol** 33(9):663–4, Sep 76

Causes of severe visual impairment in children and their prevention. **Doc Ophthalmol** 39(2):213–341, 30 Dec 75

State of the visual analysor by vibration diseases. Jazov K, et al. **Folia Med (Plovdiv)** 17(1):25–7, 1975

When visual disturbances are linked to neurologic disorders. Andriola MJ. **Geriatrics** 31(3):109–12, Mar 76

Disorders of vision: vascular, metabolic and endocrine. pp. 187–200. Knox DL.
In: Fields WS, ed. Neurological and sensory disorders in the elderly. New York, Stratton, 1975. WL 100 H843n 1974.

Central retinal artery occlusion. Basu A. **Indian J Ophthalmol** 22(3):33, Sep 74

Visual failure from pituitary and parasellar tumours occurring with favourable outcome in pregnant women. Falconer MA, et al. **J Neurol Neurosurg Psychiatry** 38(9):919–30,

Sep 75
Letter: Bitemporal visual field loss in presumed multiple sclerosis. Lavenstein B. **JAMA** 235(8):804, 23 Feb 76
Letter: Zinc deficiency and disturbances of mood and visual behaviour. Moynahan EJ. **Lancet** 1(7950):91, 10 Jan 76
Further vision deterioration after argon laser photocoagulation in diabetic retinopathy. François J, et al. **Ophthalmologica** 173(1):28–39, 1976
Visual complications of polymyalgia rheumatica (polymyalgia arteritica). Hart FD. **Practitioner** 215(1290):763–6, Dec 75
Trachoma as a cause of visual impairment and blindness. Bietti GB. **Rev Int Trach** 51(3):59–76, 1974
Monofixation syndrome: a frequent end stage of strabismus surgery. Parks MM.
Trans Am Acad Ophthalmol Otolaryngol 79(5):733–5, Sep–Oct 75
Retinal branch vein occlusion. Clemett RS.
Trans Ophthalmol Soc NZ 27:53–6, 1975
Ophthalmic considerations in carotid artery disease. Elliott ID. **Trans Ophthalmol Soc NZ** 27:61–3, 1975
Acquired colour vision defects in patients suffering from chronic simple glaucoma. Austin DJ.
Trans Ophthalmol Soc UK 94(4):880–3, 1974
Ocular aspects of internal carotid stenosis. Blake J, et al. **Trans Ophthalmol Soc UK** 95(1):194–201, Apr 75
Pattern of visual damage after acute angle–closure glaucoma. McNaught EI, et al. **Trans Ophthalmol Soc UK** 94(2):406–15, Jul 74
Sudden loss of vision––(Part II). Lesions affecting the visual pathways. Ellenberger C Jr.
Trans Pa Acad Ophthalmol Otolaryngol 29(1):14–21, Spring 76
Sudden loss of vision––(Part I). Messner KH.
Trans Pa Acad Ophthalmol Otolaryngol 29(1):9–13, Spring 76
Sarcoidosis, tuberculous meningitis and visual disturbance. Forgan–Smith R, et al. **Tubercle** 55(4):309–12, Dec 74
[Visual impairment in female workers using the microscope – comparison between subjective symptoms and objective findings] Ljuština–Ivančić N, et al. **Liječ Vjesn** 97(8):449–53, Aug 75 (Eng. Abstr.) **(Cro)**
[Frequent complication of head injuries: insufficient convergence] Langlois J, et al. **Agressologie** 16 Spec No D:33–8, 1975 (Eng. Abstr.) **(Fre)**
[Clinical forms of the syndrome of the prechiasmatic region] Korol S, et al. **Bull Mem Soc Fr Ophtalmol** (87):278–87, 1976 **(Fre)**
[Ocular lesions of cardiac surgery. Apropos of a case] Haye C, et al. **Bull Soc Ophtalmol Fr** 74(3):295–7, Mar 74 **(Fre)**
[Value of functional disorders in the diagnosis of idiopathic retinal detachment] Frileux R. **Mod Probl Ophthalmol** 15:323–7, 1975 (Eng. Abstr.) **(Fre)**
[Chiasma injury following skull trauma (author's transl)] Fulmek R. **Klin Monatsbl Augenheilkd** 167(1):45–54, Jul 75 (Eng. Abstr.) **(Ger)**
[Congenital hypoplasia of the optic nerve (author's transl)] Krzystkowa K, et al. **Klin Monatsbl Augenheilkd** 167(2):333–8, Aug 75 (Eng. Abstr.) **(Ger)**
[Sequelae of central retinal hemorrhage in the newborn infant with respect to visual acuity and muscle equilibrium] Schenk H, et al. **Klin Monatsbl Augenheilkd** 165(6):867–70, Dec 74 (Eng. Abstr.) **(Ger)**
[Retrobulbar hematoma and the orbitotomy test] Reintanz G. **Z Aerztl Fortbild (Jena)** 70(10):527–30, 15 May 76 **(Ger)**
[Relationships between focal lesions of one cerebral hemisphere and 'visuo–perceptive categorization': preliminary data (author's transl)] Capitani E.
Riv Patol Nerv Ment 95(5):772–7, Oct 74 (Eng. Abstr.) **(Ita)**
[Visuo–spatial inattention following focal hemispheric lesions: preliminary experimental data (author's transl)] Colombo A. **Riv Patol Nerv Ment** 95(5):752–61, Oct 74 (Eng. Abstr.) **(Ita)**
[Visual discrimination of geometric stimuli variable in a single dimension in brain–damaged subjects with focal damage of one hemisphere: preliminary findings in experimental research] Nichelli P. **Riv Patol Nerv Ment** 95(5):737–43, Oct 74 (Eng. Abstr.) **(Ita)**
[Visuo–tactile scanning impairment following unilateral cerebral hemisphere lesions (author's transl)] Pagani C.
Riv Patol Nerv Ment 95(5):745–51, Oct 74 (Eng. Abstr.) **(Ita)**
[Effect of unilateral cerebral hemisphere lesions on non–verbal mnemonic tasks (author's transl)] Villa P.
Riv Patol Nerv Ment 95(5):763–71, Oct 74 (Eng. Abstr.) **(Ita)**
[Ocular and endocrine manifestations of a case of craniopharyngioma in a child] Păcurariu I, et al.
Rev Chir [Oftalmol] 19(1):43–7, Jan–Mar 75 (Eng. Abstr.) **(Rum)**
[Role of metabolic disorders in the decline of visual functions, and certain problems of conservative treatment of patients with glaucoma] Mikheeva EG, et al. **Oftalmol Zh** 30(6):454–7, 1975 (Eng. Abstr.) **(Rus)**
[Ophthalmic migraine] Fedorova ML. **Sov Med** (12):53–5, Dec 75 (Eng. Abstr.) **(Rus)**
[Effect of argon–arch welding on health condition of workers] Krasniuk EP, et al. **Vrach Delo** (3):138–42, Mar 76 (Eng. Abstr.) **(Rus)**
[The pathogenesis of the opticopyramidal syndrome in carotid artery occlusions] Lunev DK, et al.
Zh Nevropatol Psikhiatr 76(3):373–6, 1976 (Eng. Abstr.) **(Rus)**
[The phenomenon of visual completion in cerebral lesions] Domínguez D. **Acta Neurol Lat Am** 19(1–4):89–94, 1973 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Severely diminished vision in a family with recessive sex–determined heredity] Welge–Lüssen L, et al.
Ber Dtsch Ophthalmol Ges (73):158–62, 1975 (Eng. Abstr.) **(Ger)**
[Cytogenetic studies in children with visual disorders] Mușeteanu P, et al. **Stud Cercet Endocrinol** 23(5):333–5, 1972 **(Rum)**

OCCURRENCE

A vision profile of American Indian children. Wick B, et al. **Am J Optom Physiol Opt** 53(1):34–40, Jan 76
Vision analysis and refractive status of youths in a juvenile detention home population. Wong S.
Am J Optom Physiol Opt 53(3):112–9, Mar 76
New data on the vision of South American Indians. Salzano FM, et al. **Bull Pan Am Health Organ** 10(1):1–7, 1976
The ophthalmologist's role in multidisciplinary assessment of developmentally handicapped children. Bankes JL.
Child Care Health Dev 1(5):325–33, Sep–Oct 75
Incidence of visual defects in Yugoslavia. Kalogjera T.
Child Care Health Dev 1(5):287–90, Sep–Oct 75
The incidence of visual handicap in Swedish children. Lindstedt E. **Child Care Health Dev** 1(5):283–6, Sep–Oct 75
The prevalence of severe visual impairment in children in the Netherlands. Loewer–Sieger DH.
Child Care Health Dev 1(5):275–82, Sep–Oct 75
Vision screening in a national sample of 11–year–old children. Peckham C, et al. **Child Care Health Dev** 1(2):93–106, Mar–Apr 75
Neonatal at risk factors, visual defects and the preschool child: A report from the Queen Mary Hospital multidisciplinary child development study. Ellingham TR, et al. **NZ Med J** 83(557):74–7, 11 Feb 76
[Incidence of abnormal binocular vision in college students] Sobańska M, et al. **Klin Oczna** 46(5):507–10, May 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Proceedings: Hypotheses and preliminary observations on the relation between occipital spikes and sleep in children with a visual defect. Salzarulo P.
Electroencephalogr Clin Neurophysiol 39(5):555, Nov 75
Effects of visual cortex lesions following recovery from monocular deprivation in the cat. Spear PD, et al.
Exp Brain Res 23(2):181–201, 14 Aug 75
Cyclofusion. pp. 409–15. Crone RA, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
[Study of discrimination indices for average evoked potentials. Application to the study of visual field defects] Faidherbe J, et al.
Rev Electroencephalogr Neurophysiol Clin 3(4):362–70, Oct–Dec 73 **(Fre)**
[Hypotheses and preliminary results concerning the relation between occipital spikes and sleep in the child with visual deficit] Salzarulo P.
Rev Electroencephalogr Neurophysiol Clin 5(1):86–9, Jan–Mar 75 **(Fre)**
[Bioelectrical activity of the central nervous system in congenital and acquired diseases of the visual system] Gerkowicz K. **Klin Oczna** 46(5):489–92, May 76 **(Pol)**
[Usefulness of psychomotor tests in the examination of children with disorders of binocular vision] Kornacka B, et al. **Klin Oczna** 46(7):827–30, Jul 76 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Primary health care – the role of optometry. Kleinstein RN, et al. **Am J Optom Physiol Opt** 52(11):774–9, Nov 75
Vision care for the elderly. Slaughter T.
Mod Health Care 4(5):47–9, Nov 75
Vision conservation for occupational health nurses: a context. Phaneuf MC. **Occup Health Nurs (NY)** 23(12):9–11, Dec 75
Monitoring of visual function during parasellar surgery. Wilson WB, et al. **Surg Neurol** 5(6):323–9, Jun 76
[Scientific work Organization at the Center of Child Vision Protection in Krivoi Rog] Averbukh SL. **Oftalmol Zh** 30(6):472–3, 1975 **(Rus)**

REHABILITATION

Changes in the contrast sensitivity function induced by contact lens wear. Applegate RA, et al.
Am J Optom Physiol Opt 52(12):840–6, Dec 75
Letter: Multiple pinholes and cosmesis – a technique. Verma SB. **Am J Optom Physiol Opt** 52(11):780, Nov 75
[Social care for visually handicapped children and adolescents] Jeřábek J. **Cesk Pediatr** 31(5):245–7, May 76 **(Cze)**
[Teaching and rehabilitation of visually handicapped children] Peleška M. **Cesk Pediatr** 31(5):243–5, May 76 **(Cze)**
[Ophthalmology in the face of problems of occupational visual aptitude and rehabilitation of persons with poor vision] Verriest G. **Bull Soc Belge Ophtalmol** 169(2):557–64, 1975 **(Fre)**
[Flexible lenses and optic correction] Pouliquen Y, et al.
Bull Soc Ophtalmol Fr Spec No:105–43, 1974 **(Fre)**

SURGERY

Resection of both medial rectus muscles in organic convergence insufficiency. von Noorden GK.
Am J Ophthalmol 81(2):223–6, Feb 76 (6 ref.)

THERAPY

Application of biofeedback and behavior modification techniques in visual training. Letourneau JE.
Am J Optom Physiol Opt 53(4):187–90, Apr 76
Penalization, treatment of ARC and amblyopia. Cibis L.
Am Orthopt J 25:79–84, 1975
Soft hydrophilic contact lenses in civil and military aviation. Polishuk A, et al. **Aviat Space Environ Med** 46(9):1188–90, Sep 75
Considerations in the provision of comprehensive care for children with severe visual handicap. Ismail H.
Child Care Health Dev 2(2):99–106, Mar–Apr 76
Visual handicap in children with spina bifida—the role of the Royal National Institute for the Blind Education Advisory Service. Jones H, et al.
Child Care Health Dev 2(2):91–7, Mar–Apr 76
Low–vision aids. Skydsgaard H. **Child Care Health Dev** 1(5):363–8, Sep–Oct 75
Methods and results of treatment to re–establish fusion in strabismus. pp. 333–44. Avetisov ES, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Penalisation and prism. New results obtained with the method of treating squint amblyopia with eccentric fixation. pp. 99–103. Brack B.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Why the heterophoria in some thyroid patients is not amenable to prism therapy. pp. 241–3. Calhoun FP Jr, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Experiences with penalisation therapy. pp. 105–11. Haase W.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.
Letter: Some aspects of learning disabilities in children. Van Selm J. **S Afr Med J** 49(44):1818, 18 Oct 75
[The method of the treatment for patients of the cranio–cervical syndrome, especially with the orthoptic training for increasing the fusional amplitude (author's transl)] Kimura T. **Acta Soc Ophthalmol Jpn** 79(5):474–85, 10 May 75 (Eng. Abstr.) **(Jpn)**
School boy did not get referral to eye doctor]
Lakartidningen 73(24):2278, 9 Jun 76 **(Swe)**

VETERINARY

Abnormal visual resolution in the Siamese cat. Blake R, et al. **Science** 194(4260):109–10, 1 Oct 76

VISION, ENTOPTIC see under **VISION**

VISION TESTS

The effect of a nitrous oxid–oxygen mixture on the lateral heterophoria. Amos CS. **Am J Optom Physiol Opt** 53(4):182–6, Apr 76
The state of accommodation during the measurement of axial chromatic aberration of the eye. Millodot M, et al.
Am J Optom Physiol Opt 53(4):168–72, Apr 76
Use of random–dot sterograms in the clinical assessment of strabismic patients. Frisby JP, et al. **Br J Ophthalmol** 59(10):545–52, Oct 75
Visual analysis with gratings. Abadi RV.
Br J Physiol Opt 29(2):47–56, 1974
Clinical ophthalmic assessment in visually handicapped children. Harcourt B. **Child Care Health Dev** 1(5):315–24, Sep–Oct 75
Speckle pattern techniques. pp. 90–3. Ragnarsson SI.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.
Visual criteria aid in job placement. Dickerson OB.
Occup Health Saf 45(3):39–41, May–Jun 76
[Examination of visual function in darkness for estimation of ocular adaptation at different speeds during automobile driving] Schmidt T. **Ophthalmologica** 172(2–3):160–5, 1976 **(Ger)**
[Relationship between vision tests and eye care methods in a rural population] Koleszár G. **Orv Hetil** 117(31):1885–8, 1 Aug 76 **(Hun)**
[Evaluation of macular function by means of coherent radiation] Kęcik T, et al. **Klin Oczna** 46(4):391–5, 1976 (Eng. Abstr.) **(Pol)**
[Change in visual acuity after preoperative decubitus as a function test in retinal detachment] Radian AL, et al.
Rev Chir [Oftalmol] 19(3):223–6, Jul–Sep 75 (Eng. Abstr.) **(Rum)**
[Vision test of professional drivers at the Post Office] Linder O, et al. **Lakartidningen** 73(21):2037–8, 19 May 76 (Eng. Abstr.) **(Swe)**

INSTRUMENTATION

Miniature dark adaptometer using tritium as a light source. Roger FC. **Am J Ophthalmol** 82(2):313–5, Aug 76

Studies of an automatic refraction machine. Drance SM, et al. **Can J Ophthalmol** 10(4):462–8, Oct 75

Letter: Visual acuity measurements with grating patterns. Bodis-Wollner I. **Lancet** 2(7933):503–4, 13 Sep 75

A new optotype chart. Jonkers GH. **Ophthalmologica** 171(4–5):380–1, 1975

An apparatus for indirect measurement of perceived distance. Gogel WC, et al. **Percept Mot Skills** 43(1):295–302, Aug 76

Eye dominance by dissociation on the Keystone Telebinocular. Palmer LL. **Percept Mot Skills** 42(2):370, Apr 76

Dynamic visual field testing using the Amsler grid patterns. Chen KF, et al.
Trans Am Acad Ophthalmol Otolaryngol 79(6):OP761–71, Nov–Dec 75

Portable trial lens carrier and self-illuminating test type cabinet. Walker CB. **Trans Ophthalmol Soc UK** 95(2):349–50, Jul 75

[Comparative study of the results on the Wirt, stereoscope and T.N.O] Chevaleraud JP, et al.
Bull Soc Ophtalmol Fr 75(7–8):757–60, Jul–Aug 75 **(Fre)**

[Cataract and macular function. (Use of Maddox's rod and Bagolini's glasses)] Mawas ME. **Bull Soc Ophtalmol Fr** 74(9–10):883–7, Sep–Oct 74 **(Fre)**

[Proceedings: A simplified examination unit for hospital and practice] von Barsewisch B, et al.
Ber Dtsch Ophthalmol Ges (73):627, 1975 **(Ger)**

[The hit test as a method of studying stereoscopic vision] Lang J. **Klin Monatsbl Augenheilkd** 165(6):895–7, Dec 74 (Eng. Abstr.) **(Ger)**

[Fixation devices for the cover-test (author's transl)] Lang J. **Klin Monatsbl Augenheilkd** 167(2):308–11, Aug 75 (Eng. Abstr.) **(Ger)**

[Normal median adaptogram obtained with the Goldmann-Weekers adaptometer] Oancea I.
Rev Chir [Oftalmol] 20(2):97–100, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

[Portable illuminator of charts for the examination of visual acuity] Svetocheva ZF, et al. **Oftalmol Zh** 30(7):549–50, 1975 **(Rus)**

[Device for the objective determination of visual acuity] Rudol'fi GA. **Voen Med Zh** (5):70, 1976 **(Rus)**

[Combined chart for studying visual acuity] Suzdal'skii IuA. **Voen Med Zh** (1):80, Jan 76 **(Rus)**

METHODS

Amblyopia screening with random-dot stereograms. Walraven J. **Am J Ophthalmol** 80(5):893–900, Nov 75

A technique for infant vision examination. Mohindra I. **Am J Optom Physiol Opt** 52(12):867–70, Dec 75

Methods of assessing visual acuity in young children. Harrison A. **Am Orthopt J** 25:109–14, 1975

Vision screening of preschool children. How to check on visual acuity and heterophoria as part of a routine physical examination. Brown MS. **Clin Pediatr (Phila)** 14(10):968–73, Oct 75

Random-dot stereograms for clinical assessment of stereopsis in children. Frisby JP. **Dev Med Child Neurol** 17(6):802–6, Dec 75

Letter: Confrontation visual-field testing. Reader AL. **JAMA** 236(3):250, 19 Jul 76

Amorphosynthesis on the chess board. Cherington M, et al. **Scand J Rehabil Med** 7(4):176–8, 1975

[Moderated discussion on the entire complex of function tests] **Ber Dtsch Ophthalmol Ges** (73):130–6, 1975 **(Ger)**

[Entoptic examination methods] Ehrich W.
Ber Dtsch Ophthalmol Ges (73):97–103, 1975 **(Ger)**

[Study of central visual acuity decrease in macular diseases and their differentiation using pathogenetic viewpoints] Harms H. **Ber Dtsch Ophthalmol Ges** (73):86–93, 1975 **(Ger)**

[Behavior of children with strabismus in geometric-optical illusions (Müller-Lyer figure)] Kraus E, et al.
Ber Dtsch Ophthalmol Ges (73):663–6, 1975 **(Ger)**

[A method for the measuring of eye-glass vertex distance] Reiner J. **Ber Dtsch Ophthalmol Ges** (73):680–3, 1975 **(Ger)**

[A new method for the demonstration of eye movements in the objective visual acuity test] Roggenkämper P.
Ber Dtsch Ophthalmol Ges (73):181–7, 1975 **(Ger)**

[Examination of stereoscopic vision with the phase-difference haloscope (author's transl)] Herzau V, et al. **Klin Monatsbl Augenheilkd** 167(3):413–20, Sep 75 (Eng. Abstr.) **(Ger)**

[Modulation transfer function of retina-brain system. Its theory and practice (author's transl)] Kawara T, et al.
Acta Soc Ophthalmol Jpn 79(10):1536–41, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Improvement of the photostress test method and its use for the diagnosis of diseases of the macular region of the retina] Balashevich LI. **Oftalmol Zh** 30(7):523–8, 1975 (Eng. Abstr.) **(Rus)**

STANDARDS

Evaluation of a non-professional visual screening method. Wick B, et al. **Am J Optom Physiol Opt** 52(9):607–13, Sep 75

VISNA-MAEDI VIRUSES see under **RNA VIRUSES**

VISNADIN see under **BENZOPYRANS**

VISUAL ACUITY

see related
FORM PERCEPTION
REFRACTION, OCULAR

A simple relationship between the probability distribution of visual acuity and the density of retinal output channels. Frisén L, et al. **Acta Ophthalmol (Kbh)** 54(4):437–44, Aug 76

Prognosis of primary rhegmatogenous retinal detachments. 1. Associations between clinical detachment characteristics, subretinal fluid butyrylcholinesterase and visual outcome following scleral buckling procedures. Kaufman PL.
Acta Ophthalmol (Kbh) 53(4):660–71, Sep 75

Prognosis of primary rhegmatogenous retinal detachments. 2. Accounting for and predicting final visual acuity in surgically reattached cases. Kaufman PL.
Acta Ophthalmol (Kbh) 54(1):61–74, Feb 76

The nasal fundus ectasia. Riise D.
Acta Ophthalmol [Suppl] (Kbh) (126):3–108, 1975

Comparative changes in the error of refraction between fixing and amblyopic eyes during growth and development. Lepard CW. **Am J Ophthalmol** 80(3 Pt 2):485–90, Sep 75

Visual resolution in congenital pendular nystagmus. Abadi RV, et al. **Am J Optom Physiol Opt** 52(9):573–81, Sep 75

The measurement and recording of vision at near test distances. Mehr EB, et al. **Am J Optom Physiol Opt** 53(6):314–7, Jun 76

Variation of visual acuity with soft contact lenses: a function of luminance. Millodot M. **Am J Optom Physiol Opt** 52(8):541–4, Aug 75

The subjective quality (SQF) of Bausch and Lomb SoflensTM. Rosenblum WM, et al.
Am J Optom Physiol Opt 52(10):658–62, Oct 75

Contour interaction and temporal masking in strabismus and amblyopia. Schor C, et al. **Am J Optom Physiol Opt** 53(5):217–23, May 76

Diffraction theory and visual hyperacuity. Westheimer G. **Am J Optom Physiol Opt** 53(7):362–4, Jul 76

Retinal pigmentation, visual acuity and brightness levels. Hoffman MJ. **Am J Phys Anthropol** 43(3):417–24, Nov 75

Iris pigmentation and photopic visual acuity: a preliminary study. Short GB. **Am J Phys Anthropol** 43(3):425–33, Nov 75

Methods of assessing visual acuity in young children. Harrison A. **Am Orthopt J** 25:109–14, 1975

Laser interferometry: evaluation of potential visual acuity in the presence of cataracts. Cohen MM.
Ann Ophthalmol 8(7):845–9, Jul 76

The effect of the honeycomb on glare function. Miller D, et al. **Arch Ophthalmol** 94(3):4[illegible]–4, Mar 76

Levels of whole-body vibration affecting human vision. Griffin MJ. **Aviat Space Environ Med** 46(8):1033–40, Aug 75

Vision in the water without a facemask. Luria SM, et al. **Aviat Space Environ Med** 46(9):1128–31, Sep 75

Vision screening in a national sample of 11-year-old children. Peckham C, et al. **Child Care Health Dev** 1(2):93–106, Mar–Apr 75

Investigations on visual acuity of some corvine species. Dąbrowska B. **Folia Biol (Krakow)** 23(3):311–32, 1975

Stereoacuity in microtropia. pp. 25–9. Hill M, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

The development of normal binocular single vision in childhood. pp. 11–6. Romano PE, et al.
In: Moore S, et al., ed. Orthoptics: past, present, future. New York, Stratton, 1976. W3 IN607 1975o.

Pattern reversal visually evoked potentials in infants. Sokol S, et al. **Invest Ophthalmol** 15(1):58–62, Jan 76

Near-field visual acuity of pigeons: effects of head location and stimulus luminance. Hodos W, et al.
J Exp Anal Behav 25(2):129–41, Mar 76

Effects of luminance and stimulus distance on accommodation and visual resolution. Johnson CA.
J Opt Soc Am 66(2):138–42, Feb 76

Interference with line-orientation sensitivity. Westheimer G, et al. **J Opt Soc Am** 66(4):332–8, Apr 76

Visual acuity and ocular pathology in the paranoid and affective psychoses of later life. Cooper AF, et al.
J Psychosom Res 20(2):107–14, 1976

Letter: Visual acuity measurements with grating patterns. Bodis-Wollner I. **Lancet** 2(7933):503–4, 13 Sep 75

Letter: Development of visual acuity and the sensitive period. Flynn JT, et al. **Nature** 257(5524):337–8, 25 Sep 75

Significance of vascular notching of optic nerves and chiasm on visual disturbance. Ohwada T, et al.
Neurol Med Chir (Tokyo) 14 pt 1:29–34, 1974

Macular vision following retinal detachment surgery. Davidorf FH, et al. **Ophthalmic Surg** 6(4):74–81, Winter 75

Assessment of visual acuity in preschool children. Smorvik D, et al. **Scand J Psychol** 17(2):122–4, 1976

Falcon visual acuity. Fox R, et al. **Science** 192(4236):263–5, 16 Apr 76

Bottle-nosed dolphin: double-slit pupil yields equivalent aerial and underwater diurnal acuity. Herman LM, et al. **Science** 189(4203):650–2, 22 Aug 75

Orientational anisotropy in infant vision. Leehey SC, et al. **Science** 190(4217):900–2, 28 Nov 75

Senile changes in visual acuity. Weale RA.
Trans Ophthalmol Soc UK 95(1):36–8, Apr 75

Critical duration for resolution of acuity targets. Brown JL, et al. **Vision Res** 16(3):309–15, 1976

Eccentricity of the scotopic fovea about a photopic point as revealed by acuity contours. Kandel GL, et al.
Vision Res 16(4):357–62, 1976

The contrast sensitivity of the squirrel monkey (Saimiri sciureus). Merigan WH. **Vision Res** 16(4):375–9, 1976

Effect of dioptrics on peripheral visual acuity. Millodot M, et al. **Vision Res** 15(12):1357–62, Dec 75

Visual resolution in young kittens. Mitchell DE, et al.
Vision Res 16(4):363–6, 1976

Visual acuity and visual responsiveness in dark-reared monkeys (Macaca nemestrina). Regal DM, et al.
Vision Res 16(5):523–30, 1976

Rotation and translation effects on stereoscopic acuity. Uttal WR, et al. **Vision Res** 15:939–44, Aug–Sep 75

A verification of Weber's law for visual discrimination of disc sizes in the Bering Sea spotted seal, Phoca largha. Wartzok D, et al. **Vision Res** 16(8):819–22, 1976

Temporal and spatial interference with vernier acuity. Westheimer G, et al. **Vision Res** 15:1137–41, Oct 75

Refractive state and visual acuity in the hooded rat. Wiesenfeld Z, et al. **Vision Res** 16(8):823–7, 1976

[Optic evoked potentials and visual acuity] Pastrňáková I, et al. **Cesk Fysiol** 24(5):447–9, 1975 **(Cze)**

[Spectral chromatism and visual aptitudes in work of assembling miniaturized parts. Ergophthalmologic experimentation in a group of electronics factories] Calvert H. **Bull Soc Belge Ophtalmol** 169(2):5869, 1975 **(Fre)**

[Industrial ophthalmology and occupational visual aptitude] Hermans G. **Bull Soc Belge Ophtalmol** 169(2):565–85, 1975 **(Fre)**

[Ophthalmology in the face of problems of occupational visual aptitude and rehabilitation of persons with poor vision] Verriest G. **Bull Soc Belge Ophtalmol** 169(2):557–64, 1975 **(Fre)**

[Dynamic visual acuity] Bessiere E, et al.
Bull Soc Ophtalmol Fr 75(1):47–55, Jan 75 **(Fre)**

[Comparative study of the restoration of visual acuity after glare in members of the flight personnel] Santucci GF, et al. **Bull Soc Ophtalmol Fr** 75(7–8):765–70, Jul–Aug 75 **(Fre)**

[Evoked potentials and visual acuity] Grall Y, et al.
Vision Res 16(9):1007–12, 1976 (Eng. Abstr.) **(Fre)**

[Study of central visual acuity decrease in macular diseases and their differentiation using pathogenetic viewpoints] Harms H. **Ber Dtsch Ophthalmol Ges** (73):86–93, 1975 **(Ger)**

[Changes of visual acuity in patients with retinal-vessel sclerosis and degenerative disorders of the macula lutea during a spa visit at Bad Hall] Rieger G.
Ber Dtsch Ophthalmol Ges (73):604–9, 1975 **(Ger)**

[A new method for the demonstration of eye movements in the objective visual acuity test] Roggenkämper P.
Ber Dtsch Ophthalmol Ges (73):181–7, 1975 **(Ger)**

[Improvement of visual acuity in lens opacities using an optic aperture (author's transl)] Hilz R, et al.
Klin Monatsbl Augenheilkd 167(1):117–8, Jul 75 (Eng. Abstr.) **(Ger)**

[Sequelae of central retinal hemorrhage in the newborn infant with respect to visual acuity and muscle equilibrium] Schenk H, et al. **Klin Monatsbl Augenheilkd** 165(6):867–70, Dec 74 (Eng. Abstr.) **(Ger)**

[Modifications of central visual acuity induced by sinusoidal vertical, horizontal and oblique vibrations] Modugno GC.
Minerva Med 67(38):2467–71, 18 Aug 76 **(Ita)**

[Natural course of senile cataract as observed by changes in visual acuity: a statistical study. Akazawa K, et al.
Acta Soc Ophthalmol Jpn 80(4):230–6, 1976 (Eng. Abstr.) **(Jpn)**

[Postoperative changes in visual acuity in cases with retinal detachment. Part 2. Changes during period up to three years after discharge from hospital (author's transl)] Ogita S, et al. **Acta Soc Ophthalmol Jpn** 79(12):1840–4, 10 Dec 75 **(Jpn)**

[Visual acuity and air pollution—annual changes in the central district of Tokyo (author's transl)] Oshima S.
Acta Soc Ophthalmol Jpn 79(9):1225–31, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Value of performing visual acuity examinations in children of preschool age] Jakubowska-Pakulowa D, et al.
Klin Oczna 46(3):297–300, Mar 76 (Eng. Abstr.) **(Pol)**

[Change in visual acuity after preoperative decubitus as a function test in retinal detachment] Radian AL, et al.
Rev Chir [Oftalmol] 19(3):223–6, Jul–Sep 75 (Eng. Abstr.) **(Rum)**

[Analysis of the state of visual function in Leningrad adolescents in light of the demands of their occupational orientation] Rutenburg ES. **Gig Sanit** (4):22–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonics on hemodynamics, intraocular pressure and visual functions in patients with glaucoma] Zolotareva AI, et al. **Oftalmol Zh** 30(3):188, 1975 (Eng. Abstr.) **(Rus)**

[Dependence of visual acuity of the myopic eye on the defocusing of the image in different types of optical correction] Avetisov VE. **Vestn Oftalmol** (6):56–60, Nov–Dec 75 **(Rus)**

[Effect of the focusing apparatus of the optic system on visual acuity in myopia] Avetisov VE. **Vestn Oftalmol** (4):33–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Importance of the width of the pupil in studying visual

acuity] Kirillov IuA. **Voen Med Zh** (7):71–2, Jul 75 **(Rus)**

[Device for the objective determination of visual acuity] Rudol'fi GA. **Voen Med Zh** (5):70, 1976 **(Rus)**

[Combined chart for studying visual acuity] Suzdal'skiĭ IuA. **Voen Med Zh** (1):80, Jan 76 **(Rus)**

DRUG EFFECTS

Alcohol and marijuana effects on static visual acuity. Adams AJ, et al. **Am J Optom Physiol Opt** 52(11):729–35, Nov 75

Effects on visual tracking of delta9–tetrahydrocannabinol and pentobarbital. Stoller K, et al. **J Clin Pharmacol** 16(5–6):271–5, May–Jun 76

[Delayed results of acute methanol poisoning] Wojdyla Z, et al. **Klin Oczna** 46(3):293–6, Mar 76 (Eng. Abstr.) **(Pol)**

[Effect of certain general–action drugs on the state of visual functions in glaucoma] Slastenova EM, et al. **Zdravookhr Kirg** (3):32–7, May–Jun 75 **(Rus)**

VISUAL AIDS see **AUDIO–VISUAL AIDS**

VISUAL CORTEX

Diseases of the optic nerve, tracts, and visual cortex: an annual review of the ophthalmic literature. Williams TD. **Am J Optom Physiol Opt** 53(1):43–7, Jan 76

Cortical blindness in cranial arteritis. Chisholm IH. **Br J Ophthalmol** 59(6):332–3, Jun 75

Clinical and physiological aspects of the cortical visual prosthesis. Karny H. **Surv Ophthalmol** 20(1):47–58, Jul–Aug 75 (71 ref.)

[Cortical blindness and its electrophysiological determination (author's transl)] Bartl G, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 192(3):255–8, 1974 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Extrageniculate projections to layers VI and I of striate cortex (area 17) in the rhesus monkey (Macaca mulatta). Benevento LA, et al. **Brain Res** 96(1):51–5, 10 Oct 75

Laminar organization of projections of the lateral geniculate nucleus to the striate crotex in Galago. Glendenning KK, et al. **Brain Res** 105(3):538–46, 9 Apr 76

Autoradiographic evidence for a topographically organized projection from the striate cortex to the lateral geniculate nucleus in the rhesus monkey (Macaca mulatta). Halländer H, et al. **Brain Res** 100(2):407–11, 19 Dec 75

An autoradiographic study of the retino–cortical projections in the tree shrew (Tupaia glis). Hubel DH. **Brain Res** 96(1):41–50, 10 Oct 75

Laminar patterns of geniculocortical projection in the cat. LeVay S, et al. **Brain Res** 113(1):1–19, 20 AUG 76

An attempt to relate the origin and distribution of commissural fibers to the presence of large and medium pyramids in layer III in the cat's visual cortex. Shoumura K. **Brain Res** 67(1):13–25, 15 Feb 74

Thalamic and other subcortical projections to area MT (visual area of superior temporal sulcus) in the marmoset Callithrix jacchus. Spatz WB. **Brain Res** 99(1):129–34, 28 Nov 75

Certain connections of the visual cortex of the monkey shown by the use of horseradish peroxidase. Winfield DA, et al. **Brain Res** 92(3):456–61, 18 Jul 75

Projections from the dorsal lateral geniculate nucleus to prestriate cortex in the squirrel monkey as demonstrated by retrograde transport of horseradish peroxidase. Wong–Riley MT. **Brain Res** 109(3):595–600, 18 Jun 76

Organization of the visual cortex: comparative anatomical and behavioral studies. Diamond IT. **Fed Proc** 35(1):60–7, Jan 76

The projections of cells in different layers of the cat's visual cortex. Gilbert CD, et al. **J Comp Neurol** 163(1):81–105, Sep 75

The origin of efferent pathways from the primary visual cortex, area 17, of the macaque monkey as shown by retrograde transport of horseradish peroxidase. Lund JS, et al. **J Comp Neurol** 164(3):287–303, 1 Dec 75

Functional organization in the visual cortex of the golden hamster. Tiao YC, et al. **J Comp Neurol** 168(4):459–81, 15 Aug 76

Some cortical projections of the dorsomedial visual area (DM) of association cortex in the owl monkey, Aotus trivirgatus. Wagor E, et al. **J Comp Neurol** 163(2):227–50, 15 Sep 75

Representation of fovea in the striate cortex of vervet monkey, Cercopithecus aethiops pygerythrus. Guld C, et al. **Vision Res** 16(6):629–31, 1976

[Columnar organization of pyramidal cells of the visual cortex in the albino rat] Winkelmann E, et al. **Z Mikrosk Anat Forsch** 89(2):239–56, 1975 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Neurons with simple organization of the receptive field in the cat visual area 18. Sanseverino ER, et al. **Arch Sci Biol (Bologna)** 58(1–4):1–2, Jan–Dec 74

Invariance of orientational and directional tuning in visual cortical cells of the adult cat. Hammond P, et al. **Brain Res** 96(1):56–9, 10 Oct 75

Receptive fields of single cells in the visual cortex of the hooded rat. Wiesenfeld Z, et al. **Brain Res** 94(3):401–12, 5 Sep 75

Receptive fields of cells in the superficial layers of the cat's area 17. Camarda R, et al. **Exp Brain Res** 24(4):423–7, 26 Feb 76

Identification of the Golgi picture of the layer VI cortic–geniculate projection neurons. Tömböl T, et al. **Exp Brain Res** 24(1):107–10, 28 Nov 75

Electrophysiological properties of striate neurones: postnatal development and influence of visual experience. 3–11. Imbert M, et al.
In: Vital–Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

Bilateral cortico–tectal projection from the visual cortex in the cat. Powell TP. **Nature** 260(5551):526–7, 8 Apr 76

The intrinsic, association and commissural connections of area 17 on the visual cortex. Fisken RA, et al. **Philos Trans R Soc Lond [Biol]** 272(919):487–536, 20 Nov 75 (67 ref.)

The projections to the superior temporal sulcus from areas 17 and 18 in the rhesus monkey. Zeki SM. **Proc R Soc Lond [Biol]** 193(1111):199–207, 13 Apr 75

Representation of the visual field on the medical wall of occipital–parietal cortex in the owl monkey. Allman JM, et al. **Science** 191(4227):572–5, 13 Feb 76

[Demonstration of direct projections between the ponto–mesencephalic tegmentum and the visual cortex of the cat using a peroxidase technique] Léger L, et al. **C R Acad Sci [D] (Paris)** 281(16):1159–62, 20 Oct 75 (Eng. Abstr.) **(Fre)**

[Cortical organisation and the experience: electrophysiological properties of cells of the visual cortex and the visual experience] Imbert M, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(2):156–67, Apr–Jun 75 **(Fre)**

[On the pigmentation pattern of the human area striata (author's transl)] Braak H. **Experientia** 31(8):969, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Quantitative architectonic variations in the visual cortex of mice following varying light exposure of the visual organ] Egert M. **J Hirnforsch** 16(1):15–36, 1975 (Eng. Abstr.) **(Ger)**

[Classification of cortical neurons according to the character of their background impulse activity] Nemtsov AV, et al. **Zh Vyssh Nerv Deiat** 25(4):817–26, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of organophosphate pesticides and other drugs on subcortical mechanisms of visual integration. Revzin AM. **Aviat Space Environ Med** 47(6):627–9, Jun 76

Differential effects of the acquisition enhancing drug pyrrolidone acetamide (piracetam) on the release of proline from visual and parietal rat cerebral cortex in vitro. Nickolson VJ, et al. **Brain Res** 113(3):616–9, 3 Sep 76

Electrophysiological studies with delta9–tetrahydrocannabinol. pp. 361–74. Vazquez AJ, et al.
In: Singh JM, Lal H, ed. Drug addiction Vol 3: Neurobiology and influences on behavior. New York, Stratton, 1974. W3 IN91KC 1973d.

The effectiveness of bicuculline as an antagonist of GABA and visually evoked inhibition in the cat's striate cortex. Sillito AM. **J Physiol (Lond)** 250(2):287–304, Sep 75

Pharmacological suppression of photically evoked after–discharges in rats: incremental dose, hippocampal EEG and behavioral activity correlates. Bigler ED, et al. **Psychopharmacologia** 46(1):73–82, 1976

[The effect of microiontophoretic administration of acetylcholine on evoked activity of visual cortex neurons subjected to direct cortical stimulation] Perkhurova VD, et al. **Fiziol Zh SSSR** 62(3):342–8, Mar 76 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Neurogenesis in the visual system of the rat. An autoradiographic investigation. Brückner G, et al. **J Comp Neurol** 166(2):245–55, 15 Mar 76

Normal and aberrant neuronal development in the cerebral cortex of human fetus and young infant. Purpura DP. **UCLA Forum Med Sci** (18):141–69, 1975

[Functional maturation of the cat visual cortex during prenatal ontogenesis] Maksimova EV, et al. **Zh Vyssh Nerv Deiat** 26(2):390–6, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Laminar analysis of evoked potentials of the cat visual cortex during prenatal ontogenesis] Maksimova EV, et al. **Zh Vyssh Nerv Deiat** 26(3):598–604, May–Jun 76 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Development of functional connexions in the mammalian visual system. Blakemore C. **Br Med Bull** 30(2):152–7, May 74

The postnatal development of myelinated nerve fibres in the visual cortex of the cat: a stereological and electron microscopical investigation. Haug H, et al. **Cell Tissue Res** 167(2):265–88, 16 Mar 76

Postcritical–period reversal of effects of monocular deprivation on striate cortex cells in the cat. Kratz KE, et al. **J Neurophysiol** 39(3):501–11, May 76

Visual cortical cells: their developmental properties in normal and dark reared kittens. Buisseret P, et al. **J Physiol (Lond)** 255(2):511–25, Feb 76

Visual experience and cortical development. Barlow HB. **Nature** 258(5532):199–204, 20 Nov 75 (83 ref.)

Tubulin synthesis in developing rat visual cortex. Cronly–Dillon Jr, et al. **Nature** 261(5561):581–3, 17 Jun 76

Sensitive period for the development of human binocular vision. Banks MS, et al. **Science** 190(4215):675–7, 14 Nov 75

Receptive field development and individual experience. Grobstein P, et al. **Science** 190(4212):352–8, 24 Oct 75

Discussion: Development of postsynaptic potentials recorded from immature neurons in kitten visual cortex. Hull CD, et al. **UCLA Forum Med Sci** (18):179–84, 1975

Timing of major ontogenetic events in the visual cortex of the rhesus monkey. Rakic P. **UCLA Forum Med Sci** (18):3–40, 1975 (81 ref.)

[Cortico–subcortical interrelationships in the visual analyzer system at various stages of ontogenesis] Beteleva TG, et al. **Zh Vyssh Nerv Deiat** 25(3):576–81, May–June 75 (Eng. Abstr.) **(Rus)**

[Neurophysiologic and biochemical aspects of visual system development in the rabbit under conditions of photic deprivation] Volokhov AA, et al. **Zh Vyssh Nerv Deiat** 25(4):799–807, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Proceedings: The spontaneous and electrically–evoked release of endogenous amino acids from the rat visual cortex. Collins GG. **Br J Pharmacol** 55(2):279P, Oct 75

Factors affecting retrograde axonal transport of horseradish peroxidase in the visual system. Bunt AH, et al. **Brain Res** 102(1):152–5, 30 Jan 76

The effects of norethynodrel on the visual cortex of rats exposed to differential environments: a preliminary study of electrolytes and water. Hoover DM, et al. **Brain Res** 103(1):139–42, 13 Feb 76

Acetylcholine release from visual and sensorimotor cortices of conditioned rabbits: the effects of sensory cuing and patterns of responding. Rasmusson D, et al. **Brain Res** 104(2):243–59, 12 Mar 76

Synthesis of tubulin–enriched fraction in rat visual cortex is modulated by dark–rearing and light–exposure. Rose SP, et al. **FEBS Lett** 65(2):135–9, 1 Jun 76

Influence of functional activity on local cerebral glucose utilization. pp. 385–8. Sokoloff L.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.

On the striate area of the human isocortex. A Golgi– and pigmentarchitectonic study. Braak H. **J Comp Neurol** 166(3):341–64, 1 Apr 76

Proceedings: Synthesis of microtubule protein in rat visual cortex during early post–natal life in relation to eye–opening. Cronly Dillon JR, et al. **J Physiol (Lond)** 252(2):27P–28P, Nov 75

The ocular dominance columns of the striate cortex as studied by the deoxyglucose method for measurement of local cerebral glucose utilization. Kennedy C, et al. **Trans Am Neurol Assoc** 100:74–7, 1975

[Biochemical correlates of functional features of visual cortex neurons] Pigareva ZD, et al. **Fiziol Zh SSSR** 62(2):153–9, Feb 76 (Eng. Abstr.) **(Rus)**

PATHOLOGY

An aberrant crossed visual corticotectal pathway in albino rats. Mustari MJ, et al. **Brain Res** 112(1):37–44, 6 Aug 76

The effect of continuous illumination on the development of cortical neurons in the rat: a Golgi study. Parnavelas JG, et al. **Exp Neurol** 51(3):637–47, Jun 76

PHYSIOLOGY

Influence of single electrical stimulation in the reticular formation on photically evoked potentials of the visual cortex in freely moving rats. Felber F, et al. **Acta Biol Med Ger** 34(3):513–7, 1975

The biological significance of PGO spikes in the sleeping cat. Morrison AR, et al. **Acta Neurobiol Exp (Warsz)** 35(5–6):821–40, 1975

Visual responses of neurons in the Clare–Bishop area of the cat. Turlejski K. **Acta Neurobiol Exp (Warsz)** 35(3):189–208, 1975

Clare–Bishop area in the cat: location and retinotopical projection. Turlejski K, et al. **Acta Neurobiol Exp (Warsz)** 35(3):179–88, 1975

Responses of cortical vestibular center produced by stimulation of vestibular nuclei and visual association area in the cat. Watanabe S, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):147–58, 1975

Investigations about high rate flicker visual evoked cortical potentials by humans. Gavriysky V. **Agressologie** 15(7):455–60, 1974

Evaluation of the image motion parameters (speed and direction) by the rabbit visual cortex cells. Ketleris J, et al. **Agressologie** 15(7):441–7, 1974

The visual evoked response to word stimuli in the visual fields. Berman MS. **Am J Optom Physiol Opt** 53(6):287–93, Jun 76

Retinal and post–retinal components of visual illusions. Layton A, et al. **Am J Optom Physiol Opt** 52(12):862–6, Dec 75

Patterned and unpatterned visual evoked responses in

strabismic and anisometropic amblyopia. Levi DM. **Am J Optom Physiol Opt** 52(7):455–64, Jul 75

Construction of simple vectographic slides for Ver stimuli. Walters JW, et al. **Am J Optom Physiol Opt** 53(4):191–3, Apr 76

Physiological aspects of visual perception. I. Functional aspects of visual cortex. Denny-Brown D, et al. **Arch Neurol** 33(4):219–27, Apr 76

Stabilization of photically evoked after-discharge activity: control procedures and effects of classical trace conditioning. Bigler ED, et al. **Behav Biol** 16(4):425–37, Apr 76

Operant conditional potentials centrally evoked at random intervals. Rosenfeld JP, et al. **Behav Biol** 16(3):305–17, Mar 76

On the development of feature detectors in the visual cortex with applications to learning and reaction-diffusion systems. Grossberg S. **Biol Cybern** 21(3):145–59, 10 Jan 76

The distribution of orientation of optimal stimuli for cells of striate cortex. Hall R, et al. **Biol Cybern** 21(2):113–20, 8 Jan 76

A theory for the development of feature detecting cells in visual cortex. Nass MM, et al. **Biol Cybern** 19(1):1–18, 1 Aug 75

Laminar thermocoagulation of the visual cortex in the rat. II. Visual pattern discrimination. Levey NH, et al. **Brain Behav Evol** 11(5–6):275–321, 1975

Laminar thermocoagulation of the visual cortex of the rat. I. Interlaminar connections. Levey NH, et al. **Brain Behav Evol** 11(5–6):257–74, 1975

The dorsomedial cortical visual area: a third tier area in the occipital lobe of the owl monkey (Aotus trivirgatus). Allman JM, et al. **Brain Res** 100(3):473–87, 26 Dec 75

Preferential orientation of stellate cell dendrites in the visual cortex of the dark-reared rat. Borges S, et al. **Brain Res** 112(1):141–7, 6 Aug 76

Visual receptive fields in the lateral suprasylvian area (Clare-Bishop area) of the cat. Camarda R, et al. **Brain Res** 101(3):427–43, 23 Jan 76

Changes of visual evoked responses to geniculate stimuli during light conditioning in the cat. Cherubini E, et al. **Brain Res** 105(3):578–82, 9 Apr 76

Striate cortex ablation and spatial vision. Ferrier RJ, et al. **Brain Res** 106(1):71–85, 16 Apr 76

Meridional differences in orientation sensitivity in monkey striate cortex. Finlay BL, et al. **Brain Res** 105(2):350–2, 26 Mar 76

Visual cortical neurons influenced by the oculomotor input: characterization of their receptive field properties. Kasamatsu T. **Brain Res** 113(2):271–92, 27 Aug 76

Cortical blindness after overlapping retinal-striate lesions: a limit to plasticity in the central visual system. Keating EG, et al. **Brain Res** 101(2):327–39, 16 Jan 76

Critical factors involved in the demonstration of horseradish peroxidase retrograde transport. Kim CC, et al. **Brain Res** 103(2):356–61, 20 Feb 76

Asymmetry of motility of the eyes and change of binocular properties of cortical cells in adult cats. Maffei L, et al. **Brain Res** 105(1):73–8, 19 Mar 76

Lack of binocularly driven neurones in the Siamese cat's visual cortex does not prevent successful interocular transfer of visual form discriminations. Marzi CA, et al. **Brain Res** 105(2):353–7, 26 Mar 76

Visual receptive fields of single striate corical units projecting to the superior colliculus in the cat. Palmer LA, et al. **Brain Res** 67(1):27–42, 15 Feb 74

Spatial and chromatic properties of neurons subserving foveal and parafoveal vision in rhesus monkey. Poggio GF, et al. **Brain Res** 100(1):25–59, 12 Dec 75

Catecholamines released from cerebral cortex in the cat; decrease during sensory stimulation. Reader TA, et al. **Brain Res** 111(1):95–108, 23 Jul 76

Receptive field properties of single units in the opossum striate cortex. Rocha-Miranda CE, et al. **Brain Res** 104(2):197–219, 12 Mar 76

Recovery of depressed superior colliculus activity in neodecorticate opossum through the destruction of the contralateral superior colliculus. Saraiva PE, et al. **Brain Res** 112(1):168–75, 6 Aug 76

Evidence that monoamines influence human evoked potentials. Schafer EW, et al. **Brain Res** 99(1):49–58, 28 Nov 75

Brief monocular visual experience and kitten cortical binocularity. Schechter PB, et al. **Brain Res** 109(1):165–8, 4 Jun 76

Short-term response variability of monkey striate neurons. Schiller PH, et al. **Brain Res** 105(2):347–9, 26 Mar 76

Extracellular potassium gradients and visual receptive fields in the cat striate cortex. Singer W, et al. **Brain Res** 96(2):378–83, 17 Oct 75

The effect of reticular stimulation on spontaneous and evoked activity in the cat visual cortex. Singer W, et al. **Brain Res** 102(1):71–90, 30 Jan 76

Reticular suppression of flash-evoked IPSPs in visual cortex neurons. Skrebitsky VG, et al. **Brain Res** 111(1):67–78, 23 Jul 76

Electrophysiological and behavioral effects of transcortical polarizing current: comparison with the behaviorally determined characteristics of learning. Szeligo F. **Brain Res** 103(3):463–75, 27 Feb 76

Morphology and physiology of visual callosal axons: evidence for a supernormal period in central myelinated axons. Waxman SG, et al. **Brain Res** 113(1):179–87, 20 AUG 76

Evidence of W-cell input to the cat's visual cortex via the C laminae of the lateral geniculate nucleus. Wilson PD, et al. **Brain Res** 92(3):472–8, 18 Jul 75

Synaptic competition in the kitten's visual cortex. Blakemore C, et al. **Cold Spring Harbor Symp Quant Biol** 40:601–9, 1975

Adaptive synaptic connections formed in the visual pathways in response to congenitally aberrant inputs. Guillery RW, et al. **Cold Spring Harbor Symp Quant Biol** 40:611–7, 1975

Functional architecture of area 17 in normal and monocularly deprived macaque monkeys. Hubel DH, et al. **Cold Spring Harbor Symp Quant Biol** 40:581–9, 1975

The functional organization of projections from striate to prestriate visual cortex in the rhesus monkey. Zeki SM. **Cold Spring Harbor Symp Quant Biol** 40:591–600, 1975

Depth perception after infant and adult visual neocortical lesions in light- and dark-reared rats. Tees RC. **Dev Psychobiol** 9(3):223–35, May 76

Amplitude changes in the visual evoked cortical potential with backward masking. Andreassi JL, et al. **Electroencephalogr Clin Neurophysiol** 41(4):387–98, Oct 76

Visual cortex responses to abrupt changes in the periodicity of rapidly intermittent light. Mowbray GH, et al. **Electroencephalogr Clin Neurophysiol** 39(4):305–12, Oct 75

A quantitative study of the projection area of the central and the paracentral visual field in area 17 of the cat. I. The precision of the topography. Albus K. **Exp Brain Res** 24(2):159–79, 22 Dec 75

Early versus late visual cortex lesions: effects on receptive fields in cat superior colliculus. Berman N, et al. **Exp Brain Res** 25(2):131–7, 28 May 76

Recovery of function in cat visual cortex following prolonged deprivation. Cynader M, et al. **Exp Brain Res** 25(2):139–56, 28 May 76

Responses of striate cortical cells to moving edges of different curvatures. Heggelund P, et al. **Exp Brain Res** 23(2):211–6, 14 Aug 75

Effects of visual cortex lesions following recovery from monocular deprivation in the cat. Spear PD, et al. **Exp Brain Res** 23(2):181–201, 14 Aug 75

Eye rotation in developing kittens: the effect on ocular dominance and receptive field organization of cortical cells. Yinon U. **Exp Brain Res** 24(2):215–8, 22 Dec 75

Visual discrimination following infant and adult ablation of cortical areas 17, 18, and 19 in the cat. Murphy EH, et al. **Exp Neurol** 49(2):386–405, Nov 75

Photically evoked responses from the visual cortex of rats reared under continuous illumination. Parnavelas JG. **Exp Neurol** 52(1):110–8, Jul 76

Eye rotation surgically induced in cats modifies properties of cortical neurons. Yinon U. **Exp Neurol** 51(3):603–27, Jun 76

Retinal blur and midbrain cell response. Hill RM, et al. **Experientia** 32(4):481–2, 15 Apr 76

Labelling of TCA-soluble fraction and protein of the rat visual cortex after learning a pattern discrimination task. Křivánek J. **Experientia** 31(9):1042–4, 15 SEP 75

Influence of the visual cortex upon collicular evoked responses in the rabbit. Molotchnikoff S, et al. **Experientia** 32(1):72–4, 15 Jan 76

Central mechanisms of vision: parallel processing. Dow BM. **Fed Proc** 35(1):54–9, Jan 76

[Transcallosal modulation of the focus of maximal activity in the visual cortex] Bianki VL, et al. **Fiziol Zh SSSR** 61(11):1605–11, Nov 75

Physiological studies of attention and arousal. pp. 285–302. Horn G.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Changes of cerebral oxygenation during motor and mental tasks. pp. 389–92. Cooper R, et al.
In: Ingvar DH, Lassen NA, ed. Brain work: the coupling of function metabolism and blood flow in the brain. Copenhagen, Munksgaard, 1975. W3 AL36 1974b.

Are there modifiable synapses in the visual cortex? PP. 133–43. Cowan JD.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.

Neuronal reactions of the rabbit's visual cortex as a function of the interval between flashes of light. pp 52–62. Chelidze LR.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.

Single unit responses to flashes of light of different intensities in the visual cortex of the rabbit. pp 45–51. Chkhikvadze II.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.

Responses of the rabbit's visual neurons to a simultaneous complex stimulus of sound and light. pp 63–77. Polyansky VB, et al.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.

Plastic properties of the visual neurons in the alert rabbit. pp 94–100. Skrebitsky VG.
In: Sokolov EN, Vinogradova OS, ed. Neuronal mechanisms of the orienting reflex. Hillsdale, N.J., Erlbaum, 1975. WL 106 N419 1975.

A further contribution to the nature-nurture problem in cat visual cortex. pp. 13–26. Singer W.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975.

Alterations in receptive field properties of superior colliculus cells produced by visual cortex ablation in infant and adult cats. Mize RR, et al. **J Comp Neurol** 168(3):393–424, 1 Aug 76

Behavioral study of the visual cortex of Galago senegalensis. Atencio FW, et al. **J Comp Physiol Psychol** 89(10):1109–35, Dec 75

Effects of serial unilateral and serial bilateral visual cortex lesions on brightness discrimination relearning in rats. Barbas H, et al. **J Comp Physiol Psychol** 90(3):279–92, Mar 76

Visual receptive-field properties of cells in area 18 of cat's cerebral cortex before and after acute lesions in area 17. Dreher B, et al. **J Neurophysiol** 38(4):735–50, Jul 75

Direction selectivity of simple striate cells: properties and mechanism. Goodwin AW, et al. **J Neurophysiol** 38(6):1500–23, Nov 75

Direction selectivity of complex cells in a comparison with simple cells. Goodwin AW, et al. **J Neurophysiol** 38(6):1524–40, Nov 75

Postcritical-period reversal of effects of monocular deprivation on striate cortex cells in the cat. Kratz KE, et al. **J Neurophysiol** 39(3):501–11, May 76

Stereopsis in normal domestic cat, Siamese cat, and cat raised with alternating monocular occlusion. Packwood J, et al. **J Neurophysiol** 38(6):1485–99, Nov 75

Quantitative study of cortical orientation selectivity in visually inexperienced kitten. Sherk H, et al. **J Neurophysiol** 39(1):63–70, Jan 76

Organization of cat striate cortex: a correlation of receptive-field properties with afferent and efferent connections. Singer W, et al. **J Neurophysiol** 38(5):1080–98, Sep 75

Receptive-field properties and neuronal connectivity in striate and parastriate cortex of contour-deprived cats. Singer W, et al. **J Neurophysiol** 39(3):613–30, May 76

Receptive-field characteristics of single neurons in lateral suprasylvian visual area of the cat. Spear PD, et al. **J Neurophysiol** 38(6):1403–20, Nov 75

Cat parastriate cortex: a primary or secondary visual area. Tretter F, et al. **J Neurophysiol** 38(5):1099–1113, Sep 75

Receptive-field characteristics of neurons in cat striate cortex: Changes with visual field eccentricity. Wilson JR, et al. **J Neurophysiol** 39(3):512–33, May 76

Proceedings: Absence of spontaneous variability of orientational and directional tuning in cat visual cortical cells. Andrews DP, et al. **J Physiol (Lond)** 251(1):49P–50P, Sep 75

Proceedings: Contrast thresholds for pattern and movement detection evaluated by evoked potentials. Bain R, et al. **J Physiol (Lond)** 259(1):34P–35P, Jul 76

Proceedings: Paradoxical reversal of lateralization of the half-field pattern-evoked response with monopolar and bipolar electrode montages. Barrett G, et al. **J Physiol (Lond)** 258(2):63P–64P, Jun 76

Cortical suppression of the ritino-collicular pathway in the monocularly deprived cat. Berman N, et al. **J Physiol (Lond)** 255(1):263–73, Feb 76

Proceedings: Retinotopic organization in visual cortex and superior colliculus of the golden hamster. Blakemore C, et al. **J Physiol (Lond)** 252(2):41P–42P, Nov 75

Binocular visual mechanisms in cortical areas I and II of the sheep. Clarke PG, et al. **J Physiol (Lond)** 256(3):509–26, Apr 76

The cortical visual areas of the sheep. Clarke PG, et al. **J Physiol (Lond)** 256(3):497–508, Apr 76

Lateral geniculate relay of slowly conducting retinal afferents to cat visual cortex. Cleland BG, et al. **J Physiol (Lond)** 255(1):299–320, Feb 76

Proceedings: The representation of the horizontal meridian in visual areas II and III of the cat. Donaldson IM, et al. **J Physiol (Lond)** 254(1):70P–71P, Jan 76

Proceedings: Periodicity in complex cell responses. Ginsburg AP, et al. **J Physiol (Lond)** 254(1):69P–70P, Jan 76

Proceedings: Response of cat visual cortical cells to kinetic contours and static noise. Hammond P, et al. **J Physiol (Lond)** 252(2):43P–44P, Nov 75

The velocity tuning of single units in cat striate cortex. Movshon JA. **J Physiol (Lond)** 249(3):445–68, Aug 75

Proceedings: The use of a digital computer in the study of neuronal properties in the visual system. Movshon JA, et al. **J Physiol (Lond)** 254(1):2P–4P, Jan 76

The contribution of inhibitory mechanisms to the receptive field properties of neurones in the striate cortex of the cat. Sillito AM. **J Physiol (Lond)** 250(2):305–29, Sep 75

Proceedings: Directionally specific inhibition in the visual cortex. Sillito AM. **J Physiol (Lond)** 257(1):34P–35P, May 76

Proceedings: Analysis of neural tracts in the visual fields 18 and 19 of the cerebral cortex using electric and photic stimulation of the retina. Toyama K, et al. **J Physiol Soc Jpn** 36(8–9):286–7, 1 Sep 74

Proceedings: Analysis of photically evoked secondary positive potentials using anesthetics. Uchida T, et al. **J Physiol Soc Jpn** 36(8–9):288, 1 Sep 74

Proceedings: Distribution of evoked potentials in the visual cortex. Watanabe S, et al. **J Physiol Soc Jpn** 36(8–9):287–8, 1 Sep 74

Effects of the hypothalamus upon photic evoked potentials in the visual cortex of rabbits. Koshino K, et al. **Med J Osaka Univ** 25(3–4):95–102, Mar 75

Development of cat visual cortex following rotation of one eye. Blakemore C, et al. **Nature** 257(5527):584–6, 16 Oct 75

Bicuculline reversal of deprivation amblyopia in the cat. Duffy FH, et al. **Nature** 260(5548):256–7, 18 Mar 76

Antagonism between channels for pattern and movement in human vision. Georgeson M. **Nature** 259(5542):413–5, 5 Feb 76

Spatial and temporal contrast sensitivity of striate cortical neurones. Tolhurst DJ, et al. **Nature** 257(5528):674–5, 23 Oct 75

Role of the cortex in the visual orientation of the African lemur (Galago). Diamond IT.
Neurosci Res Program Bull 13(2):254, May 75

Cortical control of collicular cells in the ground squirrel and macaque. Schiller PH. **Neurosci Res Program Bull** 13(2):224–5, May 75

Two visuomotor systems in the Syrian hamster. Schneider GE. **Neurosci Res Program Bull** 13(2):255–7, May 75

Hypnotic suggestion of stimulus change and visual cortical evoked potential. Andreassi JL, et al.
Percept Mot Skills 42(2):371–8, Apr 76

Detection of a deficit in visual discrimination of pattern following lesions of anterior cortex: role of type of motivation. Rinck CM, et al. **Percept Mot Skills** 42(2):616–8, Apr 76

The orientation anisotropy and orientation constancy: a visual evoked potential study. Frost BJ, et al. **Perception** 4(1):51–8, 1975

Ontogenetic patterns of frequency–power spectra elicited by flickering light in children: a comparative study of evoked and background EEGs. Vítová Z, et al.
Physiol Bohemoslov 24(6):535–42, 1975

Single cell recordings from the visual cortex of a computer. Tolkmitt FJ, et al. **Psychol Res** 38(1):65–80, 30 Sep 75

Hemispheric asymmetries in the visual cortical evoked potential as a function of stimulus location. Andreassi JL, et al. **Psychophysiology** 12(5):541–6, Sep 75

Multivariate visual evoked response correlates of intelligence. Perry NW Jr, et al. **Psychophysiology** 13(4):323–9, Jul 76

Methodology—a factor analysis of visual evoked responses. Street WJ, et al. **Psychophysiology** 13(4):352–6, Jul 76

Binocular stimulation and the fragmentation of after–images. Forde J, et al. **Q J Exp Psychol** 27(4):565–77, Nov 75

Distribution patterns of cortical flash–evoked discharges in darkness and during steady light. Ionescu DA.
Riv Neurobiol 18(2):135–49, Apr–Jun 72

Deficits in binocular depth perception in cats after alternating monocular deprivation. Blake R, et al. **Science** 190(4219):1114–6, 12 Dec 75

Abolition of direction selectivity in the visual cortex of the cat. Cynader M, et al. **Science** 193(4252):504–5, 6 Aug 76

Cortical effect of early selective exposure to diagonal lines. Leventhal AG, et al. **Science** 190(4217):902–4, 28 Nov 75

Letter: Pattern discrimination after lesions of the visual cortex. Lewis ME, et al. **Science** 190(4217):914–5, 28 Nov 75

Neural basis of orientation perception in primate vision. Mansfield RJ. **Science** 186(4169):1133–5, 20 Dec 74

Stable and plastic unit discharge patterns during behavioral generalization. Ramos A, et al. **Science** 192(4237):393–6, 23 Apr 76

Modification of cortical orientation selectivity in the cat by restricted visual experience: a reexamination. Stryker MP, et al. **Science** 190(4217):904–6, 28 Nov 75

Spectral sensitivity of the 2–month infant as measured by the visually evoked cortical potential. Dobson V.
Vision Res 16(4):367–74, 1976

Static and dynamic properties of receptive fields of some simple cells in cat's striate cortex. Fries W, et al.
Vision Res 16(5):563–6, 1976

An investigation of spatial frequency characteristics of the complex receptive fields in the visual cortex of the cat. Glezer VD, et al. **Vision Res** 16(8):789–97, 1976

Effects of extraocular muscle section on receptive fields in cat superior colliculus. Gordon B, et al. **Vision Res** 15:1011–9, Aug–Sep 75

Stimulus alternation and the Purkinje shift. Korth M, et al. **Vision Res** 16(7):703–11, 1976

Increment spectral sensitivity and colour discrimination in the primate, studied by means of graded potentials from the striate cortex. Padmos P, et al. **Vision Res** 15:1103–13, Oct 75

Further differences in receptive field properties of simple and complex cells in cat striate cortex. Sherman SM, et al. **Vision Res** 16(9):919–27, 1976

Receptive fields and firing patterns of sustained cells in the cat visual cortex. Yinon U, et al. **Vision Res** 15(11):1245–50, Nov 75

[Bilateral responses in the visual cortex to the stimulation of corpus geniculate laterale during ontogenesis of the dog] Mysliveček J, et al. **Cesk Fysiol** 24(6):973–5, 1975 **(Cze)**

[Neuronal mechanisms of the functional status of the brain] Danilova NN. **Agressologie** 16(3):151–3, 1975 (Eng. Abstr.) **(Fre)**

[Changes in reactivity of rat visual system during wake–sleep cycle] Rallo JL. **C R Soc Biol (Paris)** 169(1):178–84, 1975 (Eng. Abstr.) **(Fre)**

[Evidence for direct projections from the hypothalamus to the lateral geniculate and occipital cortex of the cat as demonstrated by horseradish peroxidase technique (author's transl)] Sakai K, et al. **Experientia** 31(11):1350–2, 15 Nov 75 **(Fre)**

[Evoked potentials and visual acuity] Grall Y, et al. **Vision Res** 16(9):1007–12, 1976 (Eng. Abstr.) **(Fre)**

[Simultaneous recording of visually evoked potentials (VEP) and registration of simple visual reaction times (RT) in the maximum range of ethanol influence (author's transl)] Taghavy A, et al. **Arzneim Forsch** 26(6):1125–6, 1976 (Eng. Abstr.) **(Ger)**

[The rat visual cortex. Cytoarchitecture and stereotactic parameters] Schober W, et al. **Z Mikrosk Anat Forsch** 89(3):431–46, 1975 (Eng. Abstr.) **(Ger)**

[Modulation transfer function of retina–brain system. Its theory and practice (author's transl)] Kawara T, et al.
Acta Soc Ophthalmol Jpn 79(10):1536–41, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Receptor field of neurons of the visual cortex (field 17) of cats] Kaji M, et al. **J Physiol Soc Jpn** 36(8–9):303, 1 Sep 74 **(Jpn)**

[Proceedings: Effects of cortical visual fields on the vertical eye movement in cats with severed pons] Kawamura H, et al. **J Physiol Soc Jpn** 36(8–9):274–5, 1 Sep 74 **(Jpn)**

[Proceedings: Changes of flash evoked potentials induced by electric shock on the forelimb: differences in its effect on various parts of the visual cortex] Uramoto K, et al.
J Physiol Soc Jpn 36(8–9):319, 1 Sep 74 **(Jpn)**

[Proceedings: Characteristics of the receptor field in the light and dark adaptation discharge site in field 18 in cats] Yamane S, et al. **J Physiol Soc Jpn** 36(8–9):303, 1 Sep 74 **(Jpn)**

[Spectral characteristics of stimuli and responses in a complex receptive field] Kuperman AM, et al. **Biofizika** 20(6):1105–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Characteristics of the potentials evoked in the pigeon hyperstriatum by visual stimulation] Morenkov ED, et al. **Biol Nauki** (12):53–7, 1975 **(Rus)**

[Role of the frontal cortex in establishing distant synchronization of biopotentials in different cortical zones in dogs] Uryvaev IuV, et al. **Dokl Akad Nauk SSSR** 226(2):485–8, 11 Jan 76 **(Rus)**

[The relationship between oscillatory potentials of the electroretinogpam and components of the visual cortex evoked response] Abdullaev GB, et al. **Fiziol Zh SSSR** 61(11):1626–33, Nov 75 **(Rus)**

[Interhemispheric relations of the cat visual cortex following unilateral polarization of the secondary visual area] Bianki VL, et al. **Fiziol Zh SSSR** 61(9):1281–96, Sep 75 (Eng. Abstr.) **(Rus)**

[Distribution patterns of visual cortex neurons with different response variability] Chebkasov SA, et al.
Fiziol Zh SSSR 62(3):468–70, Mar 76 **(Rus)**

[Tecto–cortical connections in the rat visual system] Zagorul'ko TM, et al. **Fiziol Zh SSSR** 62(3):335–41, Mar 76 (Eng. Abstr.) **(Rus)**

[Reflection of temporal parameters of an optic stimulus in neuronal responses of the senso–motor and visual cortex in cats] Batuev AS, et al. **Neirofiziologiia** 7(4):265–71, 1975 (Eng. Abstr.) **(Rus)**

[Impulse activity of cultured rat cerebral cortex neurons] Chubakov AR, et al. **Neirofiziologiia** 7(6):581–8, 1975 (Eng. Abstr.) **(Rus)**

[Corticofugal influences on the background activity of the rabbit lateral geniculate body] Lazareva NA, et al.
Neirofiziologiia 8(2):202–4, 1976 (Eng. Abstr.) **(Rus)**

[Differences in the functional organization of the frog and cat visual centers] Mkrtycheva LI, et al. **Neirofiziologiia** 7(1):5–11, 1975 **(Rus)**

[Neuronal activity of the cat visual cortex during the sleep—wakefulness cycle] Mukhametov LM, et al.
Neirofiziologiia 8(4):343–50, 1976 (Eng. Abstr.) **(Rus)**

[Microionophoretic study of the cholinoceptor neurons of the visual cortex of cats] Perkhurova VD.
Neirofiziologiia 7(3):320–3, 1975 (Eng. Abstr.) **(Rus)**

[Conduction of excitation in the cat vixual system] Shaban VM. **Neirofiziologiia** 7(6):589–96, 1975 (Eng. Abstr.) **(Rus)**

[Centrifugal and centripetal connections of the cat visual cortex] Shaban VM. **Neirofiziologiia** 8(3):243–9, 1976 (Eng. Abstr.) **(Rus)**

[The activity of visual cortex neurons during alimentary and defensive behavior] Shvyrkova NA, et al.
Neirofiziologiia 7(1):100–2, 1975 **(Rus)**

[Changes in the receptive fields of cat lateral geniculate body neurons following removal of corticofugal influence] Silakov VL. **Neirofiziologiia** 7(5):486–92, 1975 (Eng. Abstr.) **(Rus)**

[Responses of squirrel visual cortex neurons to patterned visual stimuli] Supin AIa. **Neirofiziologiia** 7(2):134–40, 1975 **(Rus)**

[Basic differences in functional organization of the visual system in extreme representatives of evolutionary lines of vertebrates] Glezer VD. **Zh Evol Biokhim Fiziol** 11(5):474–8, Sep–Oct 75 (23 ref.) **(Rus)**

[Responses of nervous elements of the visual cortex of the chipmunk Eutamias sibiricus to moving and stationary stimuli] Polkoshnikov EV. **Zh Evol Biokhim Fiziol** 11(4):395–401, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Changes in the configuration of conditioned reactions of visual cortex neurons during changes in reinforcement parameters] Aleksandrov IuI. **Zh Vyssh Nerv Deiat** 25(4):760–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Spatial synchronization of rabbit brain biopotentials upon repeated electrical stimulation of the cortex] Balashova AN. **Zh Vyssh Nerv Deiat** 25(3):582–8, May–June 75 (Eng. Abstr.) **(Rus)**

[Bilateral mechanisms of interference resistance in the striate cortex] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 25(4):808–16, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[An analysis of interhemispheric interrelationships in the visual cortex of cats based on the law of contrast perception of light] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 25(5):1061–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[The topography of functional interhemispheric asymmetry in the visual cortex] Bianki VL, et al.
Zh Vyssh Nerv Deiat 26(1):163–70, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Sensory after–discharges of the rat visual cortex during elaboration and extinction of a temporary connection] Kolomeitseva IA. **Zh Vyssh Nerv Deiat** 26(3):558–63, May–Jun 76 (Eng. Abstr.) **(Rus)**

[Trace reactions following combination of a sensory stimulus with polarization of the visual region of the cortex] Kopytova FV. **Zh Vyssh Nerv Deiat** 25(1):35–44, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Direct and feedback temporary connections between unfamiliar visual stimuli] Kostandov EA, et al.
Zh Vyssh Nerv Deiat 25(6):1172–80, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Correlation between different forms of trace phenomena in the activity of rabbit visual cortex neurons] Kotliar BI, et al. **Zh Vyssh Nerv Deiat** 25(3):568–75, May–June 75 (Eng. Abstr.) **(Rus)**

[A change in the spontaneous and evoked activity of rabbit visual cortex neurons upon stimulation of different regions of the hypothalamus] Kozhechkin SN, et al.
Zh Vyssh Nerv Deiat 25(6):1274–83, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[An analysis of the interaction of the parietal and visual regions of the cortex with the posterior lateral nucleus of the thalamus] Poliakova AG. **Zh Vyssh Nerv Deiat** 25(4):827–36, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The mechanism of action of a reinforcing stimulus] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 25(5):1011–21, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Evoked potential changes during ethanol withdrawal in rats. Begleiter H, et al. **Am J Drug Alcohol Abuse** 2(2):263–8, 1975

Visually evoked cortical potentials in the evaluation of homonymous and bitemporal visual field defects. Wildberger HG, et al. **Br J Ophthalmol** 60(4):273–8, Apr 76

Stripes, complex cells and seizures. An attempt to determine the locus and nature of the trigger mechanism in pattern–sensitive epilepsy. Wilkins AJ, et al. **Brain** 98(3):365–80, Sep 75

Neuronal correlates of an encephalopathy associated with aluminum neurofibrillary degeneration. Crapper DR, et al.
Brain Res 97(2):253–64, 31 Oct 75

EEG development in normal and undernourished rats. Gramsbergen A. **Brain Res** 105(2):287–308, 26 Mar 76

Visual evoked potentials during the development of a spiking cobalt focus in rat neocortex. Finch DM, et al.
Electroencephalogr Clin Neurophysiol 41(2):137–52, Aug 76

Visual evoked response in senile and presenile dementia. Visser SL, et al. **Electroencephalogr Clin Neurophysiol** 40(4):385–92, Apr 76

Development of neurophysiological indices of retardation: interhemispheric asymmetry of the visual evoked cortical response. Richlin M, et al. **Int J Neurosci** 6(6):257–61, 1976

Visual pattern evoked responses and blink reflexes in assessment of MS diagnosis. A clinical study of 135 multiple sclerosis/pathol Lowitzsch K, et al. **J Neurol** 213(1):17–32, 15 JUL 76

Binocular interaction in strabismic kittens deprived of Vision. Maffei L, et al. **Science** 191(4227):579–80, 13 Feb 76

Visually evoked potentials: theory, techniques and clinical applications. Sokol S. **Surv Ophthalmol** 21(1):18–44, Jul–Aug 76 (135 ref.)

The ocular dominance of cortical neurons in cats developed with divergent and convergent squint. Yinon U, et al.
Vision Res 15(11):1251–6, Nov 75

[Bioelectrical activity of the central nervous system in congenital and acquired diseases of the visual system] Gerkowicz K. **Klin Oczna** 46(5):489–92, May 76 **(Pol)**

[Study of the evoked potentials to photic stimulation in man after deafferentiation of the visual cortex] Galkina NS, et al. **Biull Eksp Biol Med** 79(4):23–6, Apr 75 (Eng. Abstr.) **(Rus)**

[Changes in human evoked potentials during altitude decompression] Antonov AA. **Kosm Biol Aviakosm Med** 9(5):71–5, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Electrographic activity in rats during elaboration of fine distinctions] Kolomeitseva IA. **Zh Vyssh Nerv Deiat** 25(3):505–10, May–June 75 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Cytoplasmic inclusions of neurons in the monkey visual cortex (area 19). Kono K, et al. **Anat Embryol (Berl)** 147(2):117–25, 9 Aug 75

The termination of thalamo–cortical fibres in the visual cortex of the cat. Winfield DA, et al. **J Neurocytol** 5(3):269–81, Jun 76

Cytoarchitectonic mapping by microdensitometry. Hudspeth AJ, et al. **Proc Natl Acad Sci USA** 73(8):2928–31, Aug 76

[Effect of visual deafferentiation on the ultrastructure of synapses of the rat visual cortex. Artiukhina NI.
Arkh Anat Gistol Embriol 68(4):12–8, Apr 75 (Eng. Abstr.) **(Rus)**

VISUAL FIELDS

see related

PERIMETRY

Demonstration of the hemiopic border in the normal person. Ehlers N. **Acta Ophthalmol (Kbh)** 54(2 p):198–202, Apr 76

Double point test with the Goldmann perimeter. Enoksson P, et al. **Acta Ophthalmol (Kbh)** 53(6):834–8, Dec 75

Objective recognition of abnormal isopters. Frisén L, et al. **Acta Ophthalmol (Kbh)** 53(3):378–92, Jun 75

An automatic static perimeter, design and pilot study. Heijl A, et al. **Acta Ophthalmol (Kbh)** 53(3):293–310, Jun 75

Complexity as a determinant of visual field effects for random forms. Hannay HJ, et al. **Acta Psychol (Amst)** 40(1):29–34, Feb 76

A erimetric technique believed to test receptive field properties: sequential evaluation glaucoma and other conditions. Enoch JM, et al. **Am J Ophthalmol** 80(4):734–58, Oct 75

The visual evoked response to word stimuli in the visual fields. Berman MS. **Am J Optom Physiol Opt** 53(6):287–93, Jun 76

Letter: Unilateral proptosis and visual field defect associated with hydrocephalus. Shapiro K, et al. **Arch Neurol** 33(9):663–4, Sep 76

Visual field changes in branch retinal 'vein' occlusion. Birchall CH, et al. **Arch Ophthalmol** 94(5):747–54, May 76

Surgical decisions in chronic angle-closure glaucoma. Gelber EC, et al. **Arch Ophthalmol** 94(9):1481–4, Sep 76

Prognostic factors in glaucomatous visual field loss. Kass MA, et al. **Arch Ophthalmol** 94(8):1274–6, Aug 76

Different programming modes of human saccadic eye movements as a function of stimulus eccentricity: indications of a functional subdivision of the visual field. Frost D, et al. **Biol Cybern** 23(1):39–48, 18 Jun 76

Visual hemifield differences depend on typeface. Bryden MP, et al. **Brain Lang** 3(2):191–200, Apr 76

Effects of tectal lesions on peripheral field vision in the monkey. Keating EG. **Brain Res** 104(2):316–20, 12 Mar 76

Perimetric analysis of binocular and monocular visual fields in Siamese cats. Simoni A, et al. **Brain Res** 111(1):189–96, 23 Jul 76

Binocular visual field in strabismus. Pratt-Johnson JA, et al. **Can J Ophthalmol** 11(1):37–41, Jan 76

Three methods of measuring the location of the egocentre: their reliability, comparative locations and intercorrelations. Mitson L, et al. **Can J Psychol** 30(1):1–8, Mar 76

Mother–infant attachment: the importance of the mother's visual field. Carr SJ, et al. **Child Dev** 46(2):331–8, Jun 75

Peripheral vision in children and adults. Whiteside JA. **Child Dev** 47(1):290–3, Mar 76

Electrophysiological parameters in the evaluation of occipital apoplexy. Feinsod M, et al. **Eur Neurol** 13(5):451–60, 1975

A quantitative study of the projection area of the central and the paracentral visual field in area 17 of the cat. I. The precision of the topography. Albus K. **Exp Brain Res** 24(2):159–79, 22 Dec 75

Projections of the medial pulvinar to orbital cortex and frontal eye fields in the rhesus monkey (Macaca mulatta). Bos J, et al. **Exp Neurol** 49(2):487–96, Nov 75

Peripheral detection and central task complexity. Bartz AE. **Hum Factors** 18(1):63–70, Feb 76

Changes of auditory word discrimination induced by inversion of the visual field. Cegalis JA, et al. **J Abnorm Psychol** 85(3):318–23, Jun 76

Near-field visual acuity of pigeons: effects of head location and stimulus luminance. Hodos W, et al. **J Exp Anal Behav** 25(2):129–41, Mar 76

The receptive fields of Daphnia ommatidia. Young S, et al. **J Exp Biol** 64(1):185–202, Feb 76

Central and peripheral vision in early infancy. Macfarlane A, et al. **J Exp Child Psychol** 21(3):532–8, Jun 76

Effects of concurrent verbal memory on recognition of stimuli from the left and right visual fields. Hellige JB, et al. **J Exp Psychol [Hum Percept]** 2(2):210–21, May 76

Topography of visual and somatosensory projections to mouse superior colliculus. Dräger UC, et al. **J Neurophysiol** 39(1):91–101, Jan 76

Receptive-field characteristics of neurons in cat striate cortex: Changes with visual field eccentricity. Wilson JR, et al. **J Neurophysiol** 39(3):512–33, May 76

Letter: Examination of visual fields. **JAMA** 235(24):2584, 14 Jun 76

Letter: Confrontation visual-field testing. Reader AL. **JAMA** 236(3):250, 19 Jul 76

A paradox in the lateralisation of the visual evoked response. Barett G, et al. **Nature** 261(5557):253–5, 20 May 76

Development of cat visual cortex following rotation of one eye. Blakemore C, et al. **Nature** 257(5527):584–6, 16 Oct 75

Eccentricity-specific dissociation of visual functions in patients with lesions of the central visual pathways. Pöppel E, et al. **Nature** 256(5517):489–90, 7 Aug 75

Scotomatous defects in the central visual field in pituitary adenomas. Sugita K, et al. **Neurochirurgia (Stuttg)** 18(5):155–62, Sep 75

Significance of vascular notching of optic nerves and chiasm on visual disturbance. Ohwada T, et al. **Neurol Med Chir (Tokyo)** 14 pt 1:29–34, 1974

Visual hemisfield effects in dichoptic presentation of digits. Carmon A, et al. **Neuropsychologia** 13(3):289–95, Sep 75

Visual field effects and short-term memory for verbal material. Hannay HJ, et al. **Neuropsychologia** 14(2):203–9, 1976

Recognition of verbs, abstract nouns and concrete nouns from the left and right visual half-fields. Hines D. **Neuropsychologia** 14(2):211–6, 1976

Electroretinography and temporal aspects in macular dystrophy. Stanescu B, et al. **Ophthalmologica** 172(5):367–78, 1976

Perception of geometrical arrays tachistoscopically exposed in right and left visual fields. Fudin R, et al. **Percept Mot Skills** 40(3):831–4, Jun 75

Note on duration of stimulus exposure in experiments on covert scanning of laterally shown targets. Fudin R, et al. **Percept Mot Skills** 42(1):223–6, Feb 76

Asynchrony of lateral onset as a factor in difference in visual field. Hatta T. **Percept Mot Skills** 42(1):163–6, Feb 76

Recall of letters from the left and right visual half-fields under unilater and bilateral presentation. Hines D. **Percept Mot Skills** 42(2):531–9, Apr 76

Effects of hypoxia on peripheral visual response to dim stimuli. Kobrick JL. **Percept Mot Skills** 41(2):467–74, Oct 75

Stimulus length and orientation variables interact in peripheral motion perception. Mattson DL. **Percept Mot Skills** 43(1):95–8, Aug 76

Target size and luminance in apparent brightness of the peripheral visual field. Osaka N. **Percept Mot Skills** 41(1):49–50, Aug 75

Correlation between visual disembedding and basketball shooting by male and female varsity college athletes. Pargman D, et al. **Percept Mot Skills** 41(3):956, Dec 75

Peripheral vision training in reading speed and comprehension. Sailor AL, et al. **Percept Mot Skills** 41(3):761–2, Dec 75

Temporal and spatial aftereffects of a border on an afterimage and a possible laterality difference. Tyson P, et al. **Percept Mot Skills** 40(3):939–46, Jun 75

The organization of visual fields in the hemipteran acone eye. Ioannides AC, et al. **Proc R Soc Lond [Biol]** 190(1101):373–91, 23 Sep 75

The selective utilization of information in the optic array. Foley JE, et al. **Psychol Res** 38(3):251–65, 10 Feb 76

Hemispheric asymmetries in the visual cortical evoked potential as a function of stimulus location. Andreassi JL, et al. **Psychophysiology** 12(5):541–6, Sep 75

Laterality effects in judgment of the identity and position of letters: a signal detection analysis. Robertshaw S, et al. **Q J Exp Psychol** 28(1):115–21, Feb 76

Representation of the visual field on the medial wall of occipital-parietal cortex in the owl monkey. Allman JM, et al. **Science** 191(4227):572–5, 13 Feb 76

Dynamic visual field testing using the Amsler grid patterns. Chen KF, et al. **Trans Am Acad Ophthalmol Otolaryngol** 79(6):OP761–71, Nov–Dec 75

Correlation between optic disc changes and visual field defects in chronic open-angle glaucoma. Drance SM. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):224–6, Mar–Apr 76

Visual field progression in open-angle glaucoma patients presenting with monocular field loss. Harbin TS Jr, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(2):253–7, Mar–Apr 76

Medical control of open angle glaucoma. Drance SM. **Trans Ophthalmol Soc NZ** 27:23–4, 1975

Visual field in glaucoma. Drance SM. **Trans Ophthalmol Soc NZ** 27:19–21, 1975

The earliest visual field in glaucoma simplex. Bryars JH, et al. **Trans Ophthalmol Soc UK** 94(4):1050–1, 1974

Doyne Memorial Lecture, 1975. Correlation of optic nerve and visual field defects in simple glaucoma. Drance SM. **Trans Ophthalmol Soc UK** 95(2):288–96, Jul 75

Eccentric vision: adverse interactions between line segments. Andriessen JJ, et al. **Vision Res** 16(1):71–8, Jan 76

A method for projecting retinal landmarks into visual space. Baker FH. **Vision Res** 16(1):115–6, Jan 76

Edge-dependent lightness distributions at different adaptation levels. Heggelund P, et al. **Vision Res** 16(5):493–6, 1976

A supplement to the cat schematic eye. Hughes A. **Vision Res** 16(2):149–54, 1976

Velocity-time reciprocity in the perception of motion: foveal and peripheral determinations. Johnson CA, et al. **Vision Res** 16(2):177–80, 1976

Receptive field response of LGB neurons during vestibular stimulation in awake cats. Kennedy H, et al. **Vision Res** 16(1):119–20, Jan 76

Crossed and uncrossed representation of the visual field by brisk-sustained and brisk-transient cat retinal ganglion cells. Kirk DL, et al. **Vision Res** 16(3):225–31, 1976

The crossed or uncrossed destination of axons of sluggish-concentric and non-concentric cat retinal ganglion cells, with an overall synthesis of the visual field representation. Kirk DL, et al. **Vision Res** 16(3):233–6, 1976

The influence of adaptation and field area on the exponents of Stevens' power functions at the light reaction of human pupil. Thoss F, et al. **Vision Res** 16(3):317–20, 1976

Receptive fields and firing patterns of sustained cells in the cat visual cortex. Yinon U, et al. **Vision Res** 15(11):1245–50, Nov 75

[Ophthalmologic manifestations of intracranial arterial aneurysms] Charamis J, et al. **Bull Mem Soc Fr Ophtalmol** (87):213–8, 1976 **(Fre)**

[Influence of miosis on the circular static perimetry at 15 degrees in normal and glaucomatous subjects] Ourgaud AG, et al. **Bull Soc Ophtalmol Fr** 75(5–6):561–9, May–Jun 75 **(Fre)**

[Examination of the visual field in macular diseases] Aulhorn E. **Ber Dtsch Ophthalmol Ges** (73):77–86, 1975 **(Ger)**

[Contribution to the differential diagnosis of isolated visual field defects under special consideration of optic neuritis (author's transl)] Hoffmann K, et al. **Klin Monatsbl Augenheilkd** 165(5):739–50, Nov 74 (Eng. Abstr.) **(Ger)**

[Is a medical treatment of glaucomatous field defects possible? Results of a double blind study (author's transl)] Leydhecker W. **Klin Monatsbl Augenheilkd** 168(05):631–6, May 76 (Eng. Abstr.) **(Ger)**

[Selective atrophy of the radial peripapillary capillaries of the retina and glaucomatous visual fields] Daicker B. **Ophthalmologica** 172(2–3):138, 1976 **(Ger)**

[Changes of the visual field with cerebral tumors] Lössner J. **Psychiatr Neurol Med Psychol (Leipz)** 27(5):269–77, May 75 (Eng. Abstr.) **(Ger)**

[Pathological visual field and brain tumor] Lössner J. **Psychiatr Neurol Med Psychol (Leipz)** 27(5):257–68, May 75 (Eng. Abstr.) **(Ger)**

[Changes of visual fields in intracranial tumors outside the cerebral hemispheres] Lössner J. **Psychiatr Neurol Med Psychol (Leipz)** 27(6):321–9, Jun 75 (Eng. Abstr.) **(Ger)**

[Glaucomatous visual field. Especially on changes in the central part (author's transl)] Matsuo H, et al. **Acta Soc Ophthalmol Jpn** 79(9):1131–8, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Visual field changes in glaucoma examined by means of electronic computer technics] Czechowicz-Janicka K, et al. **Klin Oczna** 45(8):897–901, Aug 75 (Eng. Abstr.) **(Pol)**

[Central visual fields and macular sensitivity in diabetic patients recorded on Friedmann's analyzer] Formińska M, et al. **Klin Oczna** 45(10–11):1085–9, Oct–Nov 75 (Eng. Abstr.) **(Pol)**

[Campimetric studies in diabetes mellitus] Kaplunovich PS, et al. **Oftalmol Zh** 30(6):410–11, 1975 (Eng. Abstr.) **(Rus)**

[Inversion of the color fields of vision in scotopic conditions in persons with normal visual functions] Novokhatskiĭ AS, et al. **Oftalmol Zh** 30(7):519–23, 1975 (Eng. Abstr.) **(Rus)**

[Study of spatial summation in the visual field and its importance in early diagnosis of glaucoma] Zaretskaia RB, et al. **Vestn Oftalmol** (1):8–12, 1976 (Eng. Abstr.) **(Rus)**

[Hemispherical perimeter for the study of spatial summation in the field of vision] Zaretskaia RB, et al. **Vestn Oftalmol** (6):63–5, Nov–Dec 75 **(Rus)**

[Changes in peripheral visual fields under high-altitude conditions] Osypov LR. **Fiziol Zh** 21(3):407–9, May–Jun 75 **(Ukr)**

DRUG EFFECTS

A comparative study of central visual field changes induced by sarin vapour and physostigmine eye drops. Gazzard MF, et al. **Exp Eye Res** 20(1):15–21, Jan 75

[Effect of certain general-action drugs on the state of visual functions in glaucoma] Slastenova EM, et al. **Zdravookhr Kirg** (3):32–7, May–Jun 75 **(Rus)**

VISUAL PATHWAYS

Diseases of the optic nerve, tracts, and visual cortex: an annual review of the ophthalmic literature. Williams TD. **Am J Optom Physiol Opt** 53(1):43–7, Jan 76

Visual projection in surgically created 'compound' tectum in adult goldfish. Sharma SC. **Brain Res** 93(3):497–501, 15 Aug 75

Sudden loss of vision--(Part II). Lesions affecting the visual pathways. Ellenberger C Jr. **Trans Pa Acad Ophthalmol Otolaryngol** 29(1):14–21, Spring 76

[Architecture of the pathways and primary optical centers in trout (Salmo irideus Gibb.)] Pinganaud G, et al. **C R Acad Sci [D] (Paris)** 281(5–8):411–4, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Primary visual centers in Protopterus dolloi Boulenger] Clairambault P, et al. **J Hirnforsch** 16(6):497–509, 1975 (Eng. Abstr.) **(Ger)**

[A light-independent function of the retina of rabbits. Examination on the energetic part of the visual pathway (author's transl)] Weiss H. **Klin Monatsbl Augenheilkd** 167(1):77–83, Jul 75 (Eng. Abstr.) **(Ger)**

[The Riddoch-Zappia phenomenon revealed in visual pathway lesions (author's trans)] Matsuo H, et al. **Acta Soc Ophthalmol Jpn** 79(9):1321–8, 10 Sep 75 (Eng. Abstr.) **(Jpn)**

[Proceedings: Visually evoked potentials and visual pathway disorders in neurosurgery] Kawamura H, et al. **J Physiol Soc Jpn** 36(8–9):316–7, 1 Sep 74 **(Jpn)**

ABNORMALITIES

Missed diagnoses in pediatric neuro-ophthalmology. Glaser JS. **Am Orthopt J** 25:18–26, 1975

Abnormal visual pathways in the brain of a human albino. Guillery RW, et al. **Brain Res** 96(2):373–7, 17 Oct 75

Abnormal synaptic connections of the optic tract in the thalamus after midbrain lesions in newborn hamsters. Kalil RE, et al. **Brain Res** 100(3):690–8, 26 Dec 75

Adaptive synaptic connections formed in the visual pathways in response to congenitally aberrant inputs. Guillery RW, et al. **Cold Spring Harbor Symp Quant Biol** 40:611–7, 1975

ANALYSIS

Isolation of axonally transported glycoproteins with goldfish visual system myelin. Monticone RE, et al. **Brain Res** 100(1):61–71, 12 Dec 75

ANATOMY & HISTOLOGY

Anatomical studies on the optic tract (tractus opticus) of the Indian buffalo (Bubalus bubalis). Department of Anatomy and Histology, College of Veterinary Medicine, Pantnagar, U.P., India.. **Anat Anz** 138(5):392–7, 1975

Interhemispheric projections of the optic tectum in pigeon. Voneida TJ, et al. **Brain Behav Evol** 11(2):91–108, 1975

Afferents to the vestibulo–cerebellum and the origin of the visual climbing fibers in the rabbit. Alley K, et al. **Brain Res** 98(3):582–9, 21 Nov 75

Transneuronal transport of tritiated fucose and proline in the visual pathways of tree shrew Tupaia glis. Casagrande VA, et al. **Brain Res** 96(2):367–72, 17 Oct 75

Retinofugal pathways in normal and albino axolotls. Guillery RW, et al. **Brain Res** 109(2):235–44, 11 Jun 76

The relay of ipsilateral and contralateral retinal input from the lateral geniculate nucleus to striate cortex in the owl monkey: a transneuronal transport study. Kaas JH, et al. **Brain Res** 106(2):371–8, 23 Apr 76

Retinofugal projections in the opossum, An anterograde degeneration and radioautographic study. Lent R, et al. **Brain Res** 107(1):9–26, 30 Apr 76

Discontinuous mapping of retina onto tectum innervated by both eyes. Levine RL, et al. **Brain Res** 98(1):172–6, 7 Nov 75

The retino–thalamo–hyperstriatal pathway in the pigeon (Columba livia). Miceli D, et al. **Brain Res** 100(1):125–31, 12 Dec 75

Retinal projections in Vipera aspis. A reinvestigation using light radioautographic and electron microscopic degeneration techniques. Repérant J, et al. **Brain Res** 107(3):603–9, 14 May 76

Retinohypothalamic pathway in the duck (Anas platyrhynchos). Bons N. **Cell Tissue Res** 168(3):343–60, 13 May 76

Visualization of the retino–hypothalamic projection in the rat by cobalt precipitation. Mason CA, et al. **Cell Tissue Res** 168(1):117–31, 28 Apr 76

Direct visual input to the limbic system: crossed retinal projections to the nucleus anterodorsalis thalami in the tree shrew. Conrad CD, et al. **Exp Brain Res** 23(2):141–9, 14 Aug 75

Variations in the laterality of the central projections of retinal ganglion cells. Lund RD. **Exp Eye Res** 21(2):193–203, Aug 75 (47 ref.)

Ultrastructural localization of synaptic input to the optic lobe of carp (Carassius carassius). Marotte LR, et al. **Exp Neurol** 49(3):772–9, Dec 75

The retina and central projections of heterochromic rats. Wise RP, et al. **Exp Neurol** 51(1):68–77, Apr 76

Structure and mechanism of the vertebrate visual system. pp. 1–25. Bonting SL.
In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975. (37 ref.)

Organization of the tectofugal visual pathway in the pigeon: a retrograde transport study. Benowitz LI, et al. **J Comp Neurol** 167(4):503–20, 15 Jun 76

Monkey retinal ganglion cells: morphometric analysis and tracing of axonal projections, with a consideration of the peroxidase technique. Bunt AH, et al. **J Comp Neurol** 164(3):265–85, 1 Dec 75

Organization of retinocollicular pathways in the cat. Harting JK, et al. **J Comp Neurol** 166(2):133–44, 15 Mar 76

Retinofugal pathways in the lingnose gar Lepisosteus osseus (linnaeus). Northcutt RG, et al. **J Comp Neurol** 166(1):1–15, 1 Mar 76

Anatomical identification of a telencephalic visual area in crocodiles: ascending connections of nucleus rotundus in Caiman crocodilus. Pritz MB. **J Comp Neurol** 164(3):323–38, 1 Dec 75

A comparative neuroanatomic study of retinal projections in two fishes: Astyanax hubbsi (the blind cave fish), and Astyanax mexicanus. Voneida TJ, et al. **J Comp Neurol** 165(1):89–105, 1 Jan 76

The accessory optic tract in the dog; a retino–entopeduncular pathway. Holbrook JR, et al. **J Hirnforsch** 15(4):365–77, 1974

Visual relay system of midbrain tectum with special reference to tecto–parabigeminal and tecto–pontine tracts. Liu DS. **Okajimas Folia Anat Jpn** 51(6):311–22, Mar 75

Light and electron microscopic analyses of the medial terminal nucleus of the accessory optic system in the mouse. II. After destruction of the eye. Yamada H. **Z Mikrosk Anat Forsch** 88(6):1161–71, 1974

Light and electron microscopic analyses of the medial terminal nucleus of the accessory optic system in the mouse. I. Normal structure. Yamada H. **Z Mikrosk Anat Forsch** 88(6):997–1017, 1974

[The pathways and primary visual centers of Discoglossus pictus (Amphibia, Anura)] Picouet MJ, et al. **C R Acad Sci [D] (Paris)** 281(24):1979–82, 22 Dec 75 (Eng. Abstr.) **(Fre)**

[The primary optical projection in albino and pigmented rats] Schober W. **Anat Anz** 137(3):257–86, 1975 (Eng. Abstr.) **(Ger)**

[Corticalization of 2 regions of the visual system in the evolution of vertebrates] Karamian AI, et al. **Neirofiziologiia** 7(1):12–20, 1975 **(Rus)**

[Axonal composition of the marginal and basal optic tracts of the grass frog] Vinogradova VM, et al. **Neirofiziologiia** 8(1):54–61, 1976 (Eng. Abstr.) **(Rus)**

[The functional role of the retino–tecto–thalamo–cortical system in rats] Akopian EV, et al. **Zh Evol Biokhim Fiziol** 12(2):206–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Bilateral cortico–tectal projection from the visual cortex in the cat. Powell TP. **Nature** 260(5551):526–7, 8 Apr 76

Loss of X–cells in lateral geniculate nucleus with monocular paralysis: neural plasticity in the adult cat. Brown DL, et al. **Science** 189(4207):1011–2, 19 Sep 75

[Retinal projections in Caiman sclerops. Autoradiographic study] Repérant J. **C R Acad Sci [D] (Paris)** 280(25):2881–4, 30 Jun 75 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Depletion of brain catecholamines: failure of ocular dominance shift after monocular occlusion in kittens. Kasamatsu T, et al. **Science** 194(4261):206–9, 8 Oct 76

[Effects of chlorfenvinphos, an organophosphate, on ERG and afferent transmission in the central visual pathway (author's transl)] Takeda Y, et al. **Acta Soc Ophthalmol Jpn** 79(10):1345–52, 10 Oct 75 (Eng. Abstr.) **(Jpn)**

[The effect of M–cholinolytics on the lability of rabbit visual analyzer structures] Kal'ning SA, et al. **Zh Vyssh Nerv Deiat** 25(1):185–9, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Prenatal development of central optic pathways in albino rats. Lund RD, et al. **J Comp Neurol** 165(2):247–64, 15 Jan 76

Polarity of structure and of ordered nerve connections in the developing amphibian brain. Chung SH, et al. **Nature** 258(5531):126–32, 13 Nov 75

Prenatal genesis of connections subserving ocular dominance in the rhesus monkey. Rakic P. **Nature** 261(5560):467–71, 10 Jun 76

Morphogenesis and physiogenesis of the retino–tectal connection in the chicken. II. The retino–tectal synapses. Rager G. **Proc R Soc Lond [Biol]** 192(1108):353–70, 17 Feb 76

Morphogenesis and physiogenesis of the retino–tectal connection in the chicken. I. The retinal ganglion cells and their axons. Rager G. **Proc R Soc Lond [Biol]** 192(1108):331–52, 17 Feb 76

Premature specification of the retina in embryonic Xenopus eyes treated with ionophore X537A. Jacobson M. **Science** 191(4224):288–90, 23 Jan 76

[Experimental study of visual projection specificity in microphthalm and monophthalm embryos and adults of Gallus domesticus L.] Raffin JP, et al. **Arch Anat Microsc Morphol Exp** 64(2):93–111, Apr–Jun 75 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Cysteine sulfinate carboxylase in the visual pathway of adult chicken. Mathur RL, et al. **Life Sci** 18(1):75–9, 1 Jan 76

GROWTH & DEVELOPMENT

Development of functional connexions in th. mammalian visual system. Blakemore C. **Br Med Bull** 30(2):152–7, May 74

Visual experience and cortical development. Barlow HB. **Nature** 258(5532):199–204, 20 Nov 75 (83 ref.)

Binocular interaction and intertectal neuronal connexions: dependence upon developmental stage. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):445–66, 16 Dec 75

Visual deprivation and intertectal neuronal connexions in Xenopus laevis. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):467–74, 16 Dec 75

Receptive field development and individual experience. Grobstein P, et al. **Science** 190(4212):352–8, 24 Oct 75

METABOLISM

Factors affecting retrograde axonal transport of horseradish peroxidase in the visual system. Bunt AH, et al. **Brain Res** 102(1):152–5, 30 Jan 76

Light and electron microscopic observations on the anterograde transport of horseradish peroxidase in the optic pathway in the mouse and rat. Colman DR, et al. **Brain Res** 102(1):156–63, 30 Jan 76

Neuronal fibrillar proteins and axoplasmic transport. Davison PF. **Brain Res** 100(1):73–80, 12 Dec 75

Axonal transport of cations in the chick optic system. Knull HR, et al. **Brain Res** 100(1):121–4, 12 Dec 75

Transneuronal transport in the frog visual system. Lázár G. **Brain Res** 109(3):623–7, 18 Jun 76

Dynamic properties of axonal transport of proteins and glycoproteins: a study based on the effects of metaphase blocking drugs in the developing optic pathway of chick embryos. Gremo F, et al. **Cell Tissue Res** 161(3):303–16, 25 Aug 75

Axonal transport of proteins and RNA along the optic pathway. Giuffrida AM, et al. **Ital J Biochem** 24(6):377–81, Nov–Dec 75

Fractionation of protein carried by axoplasmic transport. II. Comparison in the rat of proteins carried to the optic relay nuclei. Siegel LG, et al. **Neurobiology** 5(3):167–77, Jun 75

PATHOLOGY

The optic pathway in neurosarcoidosis. Urich H. **Ann NY Acad Sci** 278:406–15, 1976

An aberrant crossed visual corticotectal pathway in albino rats. Mustari MJ, et al. **Brain Res** 112(1):37–44, 6 Aug 76

PHYSIOLOGY

Compensation of edge effect in neuron–like layer nets with local feedbacks. Macukow B. **Acta Neurobiol Exp (Warsz)** 35(2):165–77, 1975

The response patterns of simple cells in the primary visual pathway. Henry GH. **Am J Optom Physiol Opt** 53(7):369–71, Jul 76

Physiological aspects of visual perception. II. The subcortical visual direction of behavior. Denny–Brown D, et al. **Arch Neurol** 33(4):228–42, Apr 76

Signal transformation and pattern recognition in visual pathways. Andrietti F. **Biol Cybern** 21(1):23–8, 2 Jan 76

Formalism for the neural network of visual systems. Stavenga DG, et al. **Biol Cybern** 19(2):75–81, 8 Aug 75

Analysis of neuronal networks in the visual system of the cat using statistical signals. Part I. von Seelen W, et al. **Biol Cybern** 22(1):7–20, 27 Feb 76

The role of visual function in the patterning of binocular visual connexions. Keating MJ. **Br Med Bull** 30(2):145–51, May 74

Direction–selective units in the rabbit's nucleus of the optic tract. Collewijn H. **Brain Res** 100(3):489–508, 26 Dec 75

Visual response pattern of thalamic neurons in the pigeon. De Britto LR, et al. **Brain Res** 97(2):337–43, 31 Oct 75

Intracellular postsynaptic potentials of cat lateral geniculate cells and the effects of degeneration of the optic terminals. Eysel UT, et al. **Brain Res** 98(3):441–2, 21 Nov 75

Retinal input to direction selective cells in the nucleus tractus opticus of the cat. Hoffmann KP, et al. **Brain Res** 99(2):359–66, 5 Dec 75

Mossy fiber responses evoked in the cerebellar flocculus of rabbits by stimulation of the optic pathway. Kyojimaekawa, et al. **Brain Res** 98(3):590–5, 21 Nov 75

Perimetric analysis of binocular and monocular visual fields in Siamese cats. Simoni A, et al. **Brain Res** 111(1):189–96, 23 Jul 76

Evidence for a change in the retino–hypothalamic projection in the rat following early removal of one eye. Stanfield B, et al. **Brain Res** 104(1):129–36, 5 Mar 76

Signal transmission from photoreceptors to ganglion cells in the visual system of the giant barnacle. Ozawa S, et al. **Cold Spring Harbor Symp Quant Biol** 40:563–70, 1975

Nonlinear interactions underlying visual orientation behavior of the fly. Poggio T, et al. **Cold Spring Harbor Symp Quant Biol** 40:635–45, 1975

Influence of saccadic eye movements on geniculostriate excitability in normal monkeys. Bartlett JR, et al. **Exp Brain Res** 25:487–509, 28Jul 76

The effect of area and intensity on the response of cat retinal ganglion cells to brief light flashes. Büttner U, et al. **Exp Brain Res** 23(3):259–78, 29 Sep 75

Temporal frequency characteristics of spatial interaction in human vision. Magnussen S, et al. **Exp Brain Res** 23(5):519–28, 14 Nov 75

Variability of inter–spike intervals of cat's on–center optic tract fibres activated by steady light spot: a comparative study on X– and Y–fibres. Sato T, et al. **Exp Brain Res** 24:285–93, 26 Jan 76

A stereotaxic headholder for visual neurophysiology. Wässle H. **Exp Brain Res** 23(2):151–6, 14 Aug 75

Duality in retinocerebellar projections in the rabbit. Khamare BS, et al. **Exp Neurol** 48(3 Pt 1):610–23, Sep 75

Central mechanisms of vision: parallel processing. Dow BM. **Fed Proc** 35(1):54–9, Jan 76

Structure and mechanism of the vertebrate visual system. pp. 1–25. Bonting SL.
In: Bonting SL, ed. Transmitters in the visual process. Oxford, Pergamon Press, 1976. WW 103 T772 1975. (37 ref.)

Holographic modelling of the parallel information processing in the visual pathways of mammals. pp. 124–7. Platzer H.
In: Greguss P, ed. Holography in medicine. Richmond, Eng., IPC Sciences & Technology Press, 1975. QC 449 I61h 1973.

Signal preprocessing in visual systems and its relevance to pattern recognition. pp. 261–75. Zeevi YY, et al.
In: Inbar GF, ed. Signal analysis and pattern recognition in biomedical engineering. New York, Wiley, 1975. QT 34 I685s 1974.

Visual, auditory, and somatic interactions in the cuneate nucleus. pp. 115–21. Jabbur SJ, et al.
In: Kornhuber HH, ed. The somatosensory system. Stuttgart, Thieme, 1975. WL 700 S693 1971. 1975

Antidromic responses of suprachiasmatic neurons following mediobasal hypothalamic stimulation. Kreisel B, et al. **Isr J Med Sci** 11(9):925–7, Sep 75

Cellular changes in the lateral geniculate nucleus of the cat and monkey after section of the optic tract. Garey LJ, et

al. **J Anat** 121(1):15–27, Feb 76

Functional role of efferents to the avian retina. II. Effects of reversible cooling of the isthmo–optic nucleus. Pearlman AL, et al. **J Comp Neurol** 166(1):123–31, 1 Mar 76

Effects of early binocular deprivation on visual input to cat superior colliculus. Hoffmann KP, et al. **J Neurophysiol** 38(5):1049–59, Sep 75

Organization of cat striate cortex: a correlation of receptive–field properties with afferent and efferent connections. Singer W, et al. **J Neurophysiol** 38(5):1080–98, Sep 75

Interactions between cat lateral geniculate neurons. Stevens JK, et al. **J Neurophysiol** 39(2):239–56, Mar 76

Cortical suppression of the ritino–collicular pathway in the monocularly deprived cat. Berman N, et al. **J Physiol (Lond)** 255(1):263–73, Feb 76

Proceedings: Development of the ipsilateral visual projection in axolotls treated with thyroxine. Brändle K, et al. **J Physiol (Lond)** 250(1):28P–29P, Aug 75

Lateral geniculate relay of slowly conducting retinal afferents to cat visual cortex. Cleland BG, et al. **J Physiol (Lond)** 255(1):299–320, Feb 76

Electrophysiological study on colliculo–cerebellar pathway in cat. Muroga T. **Nagoya J Med Sci** 38(1–2):11–23, Sep 75

Vulnerability of spatial frequency channels in cerebral lesions. Bodis–Wollner I. **Nature** 261(5558):309–11, 27 May 76

Influence of efferent retinal fibres on responsiveness of ganglion cells to light. Cervetto L, et al. **Nature** 260(5546):56–7, 4 Mar 76

Coupling between rod photoreceptors in a vertebrate retina. Copenhagen DR, et al. **Nature** 260(5546):57–9, 4 Mar 76

Bicuculline reversal of deprivation amblyopia in the cat. Duffy FH, et al. **Nature** 260(5548):256–7, 18 Mar 76

Eccentricity–specific dissociation of visual functions in patients with lesions of the central visual pathways. Pöppel E, et al. **Nature** 256(5517):489–90, 7 Aug 75

Evidence for visual function mediated by anomalous projection in goldfish. Yager D, et al. **Nature** 256(5517):490–1, 7 Aug 75

Monocular acquisition and interocular transfer in albino guinea pigs as mediated by ipsi– or contralateral fiber systems. Riffle DW, et al. **Percept Mot Skills** 42(1):181–2, Feb 76

Neuronal plasticity in the afferent visual system. I. Effect of flicker stimulation on responses of retinal and geniculate units in the cat. Adorjani CS, et al. **Psychol Res** 38(2):117–46, 18 Dec 75

Neuronal plasticity in the afferent visual system. II. Conditioned modifications in geniculate neurons. Adorjant CS, et al. **Psychol Res** 38(2):147–74, 18 Dec 75

A comparison and elaboration of two models of metacontrast. Weisstein N, et al. **Psychol Rev** 82(5):325–43, Sep 75 (54 ref.)

Visually evoked magnetic fields of the human brain. Brenner D, et al. **Science** 190(4213):480–2, 31 Oct 75

Response plasticity of lateral geniculate neurons during and after pairing of auditory and visual stimuli. Chalupa LM, et al. **Science** 190(4211):290–2, 17 Oct 75

Neurons selective for orientation and binocular disparity in the visual Wulst of the barn owl (Tyto alba). Pettigrew JD, et al. **Science** 193(4254):675–8, 20 Aug 76

Structure and properties of a single channel in the human visual system. Mostafavi H, et al. **Vision Res** 16(9):957–68, 1976

Inhibitory interaction between visual pathways tuned to different orientations. Thomas JP, et al. **Vision Res** 15(12):1373–80, Dec 75

[Proceedings: Distribution of choline, GABA and adrenaline reactive neural control in the preoptic area] Kataoka K, et al. **J Physiol Soc Jpn** 36(8–9):278, 1 Sep 74 **(Jpn)**

[Proceedings: Sequential analysis of a single neuron of the optical tract] Nakahama H, et al. **J Physiol Soc Jpn** 36(8–9):276, 1 Sep 74 **(Jpn)**

[The role of the accessory visual system in bringing about optokinetic reactions in anuran amphibia] Kondrashev SL, et al. **Biol Nauki** (1):68–74, 1976 **(Rus)**

[Comparative electrophysiologic characteristics of afferent representation in the cortical and striatal portions of the turtle forebrain] Belekhova MG, et al. **Neirofiziologiia** 7(2):184–93, 1975 **(Rus)**

[Reactions and properties of the receptive fields of neurons in the visual projection zone of the pigeon hyperstriatum] Gusel'nikov VI, et al. **Neirofiziologiia** 8(3):230–6, 1976 (Eng. Abstr.) **(Rus)**

[Study of frog retino–tectal synapses using a method of recording the summary extracellular PSP of the synapses of a single neuron] Gutman AM, et al. **Neirofiziologiia** 8(4):434–7, 1976 (Eng. Abstr.) **(Rus)**

[Directionally sensitive neurons in the frog visual system] Kondrashev SL, et al. **Neirofiziologiia** 8(2):196–8, 1976 (Eng. Abstr.) **(Rus)**

[Conduction of excitation in the cat vixual system] Shaban VM. **Neirofiziologiia** 7(6):589–96, 1975 (Eng. Abstr.) **(Rus)**

[Intra–analyzer temporary connections in the visual system] Khananashvili MM, et al. **Zh Vyssh Nerv Deiat** 25(6):1218–25, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Electrophysiologic evidence for normal optic nerve fiber projections in normally pigmented squinters. McCormack GL. **Invest Ophthalmol** 14(12):931–5, Dec 75 (10 ref.)

ULTRASTRUCTURE

High voltage electron microscopy of the optic neuropile of the housefly, Musca domestica. Chi C, et al. **Cell Tissue Res** 167(4):537–45, 9 Apr 76

The first optic ganglion of the bee. I. Correlation between visual cell types and their terminals in the lamina and medulla. Ribi WA. **Cell Tissue Res** 165(1):103–11, 29 Dec 75

Electron microscopic observations on the retino–preoptic pathway of Rana temporaria L. Vullings HG, et al. **Cell Tissue Res** 161(2):177–82, 18 Aug 75

Retinohypothalamic projection in the mouse: electron microscopic and iontophoretic investigations of hypothalamic and optic centers. Wenisch HJ. **Cell Tissue Res** 167(4):547–61, 9 Apr 76

[Retinohypothalamic projection in the rat, mouse and sparrow] Wenisch H, et al. **Verh Anat Ges** 69:575–8, 1975 (Eng. Abstr.) **(Ger)**

[Visual centers in rodents. Normal structure and effects of sensory deprivation on dendritic morphology] Fairen A, et al. **Trab Inst Cajal Invest Biol** 65:87–135, 1973 (Eng. Abstr.) **(Spa)**

VISUAL PERCEPTION

see related
VISION

Driving activity. A quantitative study. Harmony T. **Act Nerv Super (Praha)** 17(2):116–9, May 75

Basic relationships for visual information processing in optic tectum of fish. Vanegas H. **Acta Cient Venez** 25(3):98–106, 1974

Go–no go differentiation to visual stimuli in cats with different early visual experiences. Zablocka T. **Acta Neurobiol Exp (Warsz)** 35(4):399–402, 1975

A comparison between two types of visually–evoked nystagmus in the monkey. Pasik P, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):30–7, 1975

Stability of the visual world. Mateeff S, et al. **Acta Physiol Pharmacol Bulg** 1:17–24, 1974

Individual differences in speed of phonemic analysis, visual analysis, and reading. Baron J, et al. **Acta Psychol (Amst)** 39(2):91–6, Apr 75

Bisensory order judgement and the prior entry hypothesis. Cairney PT. **Acta Psychol (Amst)** 39(5):329–40, Oct 75

The use of contact lenses for the lateralisation of visual input in man. Dimond SJ, et al. **Acta Psychol (Amst)** 39(5):341–9, Oct 75

Complexity as a determinant of visual field effects for random forms. Hannay HJ, et al. **Acta Psychol (Amst)** 40(1):29–34, Feb 76

Selective preparation and time uncertainty. Holender D, et al. **Acta Psychol (Amst)** 39(3):193–203, Jun 75

Concept identification with natural material. Indow T, et al. **Acta Psychol (Amst)** 39(2):131–9, Apr 75

Sequential effects in an eight choice serial reaction time task. Kirby NH. **Acta Psychol (Amst)** 39(3):205–16, Jun 75

Processing capacity requirements of stimulus encoding. Millar K. **Acta Psychol (Amst)** 39(5):393–410, Oct 75

Detection of one–, two–, and three–dimensional Markov constraints in visual displays II: Multistate displays. Pollack I. **Acta Psychol (Amst)** 39(4):251–62, Aug 75

Parafoveal identification during a fixation in reading. Rayner K. **Acta Psychol (Amst)** 39(4):271–82, Aug 75

Developmental trends in visual scanning. Day MC. **Adv Child Dev Behav** 10:153–93, 1975 (128 ref.)

Saccadic suppression as visual masking effect. Yakimoff N, et al. **Agressologie** 15(6):387–94, 1974

Manipulation of visual imagery under various hypnosis conditions. Schofield LJ Jr, et al. **Am J Clin Hypn** 18(3):191–9, Jan 76

Eye movements and conservation acceleration in mildly retarded children. Boersma FJ, et al. **Am J Ment Defic** 80(6):636–43, May 76

Effects of auditory and pictorial–auditory stimulus enrichment on the verbal abstracting abilities of low–SES children. Call RJ, et al. **Am J Ment Defic** 80(3):256–65, Nov 75

Verbalization in EMR children's observational learning. Cullinan D. **Am J Ment Defic** 81(1):65–72, Jul 76

Effect of preconditioning visual stimulus duration on visual–evoked responses to a subsequent test flash in Down's syndrome and nonretarded individuals. Gliddon JB, et al. **Am J Ment Defic** 80(2):186–90, Sep 75

Solving complex perceptual discrimination problems: techniques for the development of problem–solving strategies. Guralnick MJ. **Am J Ment Defic** 81(1):18–25, Jul 76

Influence of visual cueing on conditioned response inhibition in retarded individuals. Mosley JL, et al. **Am J Ment Defic** 81(1):41–8, Jul 76

Stimulus persistence in retarded and nonretarded children: a signal detection analysis. Ryan M, et al. **Am J Ment Defic** 80(3):298–305, Nov 75

Utilization of redundant information by EMR and nonretarded adults. Silverman W. **Am J Ment Defic** 80(2):197–201, Sep 75

Identification by retarded and nonretarded children of stimuli varying along one, two, or three dimensions. Smith J, et al. **Am J Ment Defic** 80(2):191–6, Sep 75

Establishing conditional discriminations without direct training: stimulus classes and labels. Spradlin JE, et al. **Am J Ment Defic** 80(5):555–61, Mar 76

Stimulus overselectivity: a common feature in autism and mental retardation. Wilhelm H, et al. **Am J Ment Defic** 81(1):26–31, Jul 76

Children's lateralizations of images of the self, others, and objects. Coryell J. **Am J Occup Ther** 29(9):535–8, Oct 75

Three–dimensional construction tests for children aged five and six years. Mitchell JA. **Am J Occup Ther** 30(6):362–9, Jul 76

Relationships between perceptual responses and accident patterns in children: a pilot study. Tower DQ. **Am J Occup Ther** 30(8):498–501, Sep 76

Changes in the contrast sensitivity function induced by contact lens wear. Applegate RA, et al. **Am J Optom Physiol Opt** 52(12):840–6, Dec 75

Additivity of effects within sectors of the sensitization zone of the Westheimer function. Enoch JM, et al. **Am J Optom Physiol Opt** 53(7):350–8, Jul 76

The relation between similarity grouping and perceptual constancy. Beck J. **Am J Psychol** 88(3):397–409, Sep 75

Perceptual development in children. Elkind D. **Am Sci** 63(5):533–41, Sep–Oct 75

Perception and production in a visually based language. Klima ES, et al. **Ann NY Acad Sci** 263:225–35, 19 Sep 75

Schizophrenia and stimulus intensity control. Landau SG, et al. **Arch Gen Psychiatry** 32(10):1239–45, Oct 75

Eye–tracking performance and engagement of attention. Shagass C, et al. **Arch Gen Psychiatry** 33(1):121–5, Jan 76

Optics and vision physiology. Safir A, et al. **Arch Ophthalmol** 94(5):852–62, May 76 (366 ref.)

Application of EEG–interval–spectrum–analysis (EISA) to the study of photic driving responses. A preliminary report. Fukushima T. **Arch Psychiatr Nervenkr** 220(2):99–105, 28 May 75

The new object reaction of Rattus rattus L: the relative importance of various cues. Cowan PE. **Behav Biol** 16(1):31–44, Jan 76

Y–maze avoidance performance and activity change as a function of CS quality in rats. Osborne GL, et al. **Behav Biol** 15(2):183–92, Oct 75

Standardization of position and stability of display measures in Siamese fighting fish (Betta splendens). Rnic A. **Behav Biol** 16(2):175–84, Feb 76

The effectiveness of modeling and videotape feedback on personal problem solving. Arnkoff DB, et al. **Behav Res Ther** 13(2–3):127–33, Jun 75

Effects of historically portrayed modeling and group treatment on self–observation: a comparison with agoraphobics. Emmelkamp PM, et al. **Behav Res Ther** 13(2–3):135–9, Jun 75

A dynamic model of the receptive field of horizontal cells for monochromatic lights. Fukurotani K, et al. **Biol Cybern** 21(4):221–6, 5 Feb 76

Visual perception: a dynamic theory. Harth E. **Biol Cybern** 22(3):169–80, 1976

Associative recall of images. Kohonen T, et al. **Biol Cybern** 22(3):159–68, 1976

On visual detection of light sources. Ullman S. **Biol Cybern** 21(4):205–12, 5 Feb 76

Visual agnosia and cognitive defects in a case of Alzheimer's disease. Flekkøoy K. **Biol Psychiatry** 11(3):333–44, Jun 76

Recovery sleep following different visual conditions during total sleep deprivation in man. Horne JA. **Biol Psychol** 4(2):107–18, Jun 76

Intersensory processing efficiency of fluent speakers and stutterers. Cohen MS, et al. **Br J Disord Commun** 10(2):111–22, Oct 75

Preconscious processing in schizophrenics: an exploratory investigation. Henley SH, et al. **Br J Med Psychol** 49(2):161–6, Jun 76

Psychological construing, 'difficulty' and thought disorder. McPherson FM, et al. **Br J Med Psychol** 48(4):303–15, Dec 75

Influence of accommodation on the chromatic aberration of the eye. Millodot M, et al. **Br J Physiol Opt** 28(3):169–74, 1973

The scotopic luminance–time relation and its possible wavelength dependence on the chromatic aberration of the eye. Ronchi L, et al. **Br J Physiol Opt** 28(3):162–8, 1973

The frequency of visual hallucinations in schizophrenic patients in Saudi Arabia. Zarroug ET. **Br J Psychiatry** 127:553–5, Dec 75

Effects of novelty and oddity on visual selective attention. Berlyne DE, et al. **Br J Psychol** 67(2):175–80, May 76

Implicit–shape constancy as a factor in pictorial perception. Deregowski JB. **Br J Psychol** 67(1):23–9, Feb 76

The effects of negative relatedness upon word–picutre and word–word comparisons and subsequent recall. Gellatly AR, et al. **Br J Psychol** 66(3):311–23, Aug 75

Visual imagery and the discrimination of differences between altered pictures simultaneously and successively presented. Gur RC, et al. **Br J Psychol** 66(3):341–5, Aug 75

The recall of digits by normal, deaf and autistic children. Hermelin B, et al. **Br J Psychol** 66(2):203–9, May 75

The semantics of locative information in pictures and mental images. Just MA, et al. **Br J Psychol** 66(4):427–41, Nov 75

Inspection time and measured intelligence. Nettelbeck T, et al. **Br J Psychol** 67(1):17–22, Feb 76

The effects of different modes of supervision on vigilance behaviour. Putz VR. **Br J Psychol** 66(2):157–60, May 75

Unilateral spatial neglect and impairments of spatial analysis and visual perception. Oxbury JM, et al. **Brain** 97(3):551–64,

Sep 74
Bilateral tachistoscopic word perception of stutterers and normal subjects. Moore WH Jr. **Brain Lang** 3(3):434–42, Jul 76
Perceptual effects of surgical rotation of the eye in kittens. Peck CK, et al. **Brain Res** 99(1):213–9, 28 Nov 75
Dimensions of perception of exotic and pre-renaissance paintings. Berlyne DE. **Can J Psychol** 29(2):151–73, Jun 75
Effect of auditory deprivation of visual resolving power. Bross M, et al. **Can J Psychol** 29(4):340–7, Dec 75
Spatial localization in sequential letter displays. Hearty PJ, et al. **Can J Psychol** 29(4):348–59, Dec 75
The dependence of time-order error direction on stimulus range. Jamieson DG, et al. **Can J Psychol** 29(3):175–82, Sep 75
Three methods of measuring the location of the egocentre: their reliability, comparative locations and intercorrelations. Mitson L, et al. **Can J Psychol** 30(1):1–8, Mar 76
Verbal–pictorial transformations in recognition memory. Standing L, et al. **Can J Psychol** 29(4):316–26, Dec 75
Attention and modality specific interference as determinants of short-term verbal and visual retention. Yuille JC, et al. **Can J Psychol** 29(4):360–74, Dec 75
Infants' responses to strangers: midget, adult, and child. Brooks J, et al. **Child Dev** 47(2):323–32, Jun 76
Task characteristics and a stage 6 sensorimotor problem. Kopp CB, et al. **Child Dev** 46(2):569–73, Jun 75
The relation between nonnutritive sucking and visual information processing in the human newborn. Mendelson MJ, et al. **Child Dev** 46(4):1025–9, Dec 75
Verbal effects in children's visual recognition memory. Reese HW. **Child Dev** 46(2):400–7, Jun 75
Visual orientation and self-perceptions of children in an external–cue–relevant or cue–irrelevant task situation. Ruble DN. **Child Dev** 46(3):669–76, Sep 75
The function of shifting fixations in the visual perception of infants. Ruff HA. **Child Dev** 46(4):857–65, Dec 75
Perceptual training of height and brightness seriation in kindergarten children. Timmons SA, et al. **Child Dev** 46(4):1030–4, Dec 75
Visual information–processing speed in reflective and impulsive children. Weiner AS. **Child Dev** 46(4):998–1000, Dec 75
Analyzing natural images: a computational theory of texture vision. Marr D. **Cold Spring Harbor Symp Quant Biol** 40:647–62, 1975
Interset variability on the raven coloured progressive matrices as an indicator of specific ability deficit in brain–lesioned patients. Costa LD. **Cortex** 12(1):31–40, Mar 76
Visual field recognition memory for right–handed females as a function of familial handedness. Hannay HJ, et al. **Cortex** 12(1):40–8, Mar 76
Dyslexic adolescents: evidence of impaired visual and auditory language processing associated with normal lateralization and visual responsivity. McKeever WF, et al. **Cortex** 11(4):361–78, Dec 75
The effects of hydrocephalus on intelligence, visual perception and school attainment. Tew B, et al. **Dev Med Child Neurol [Suppl]** (35):129–34, 1975
Looking behavior in monkeys raised with mobile and stationary artificial mothers. Eastman RF, et al. **Dev Psychobiol** 8(3):213–21, May 75
Duration of early visual experience and visual cliff behavior of chicks. Kaufman LW. **Dev Psychobiol** 9(1):1–4, Jan 76
Proceedings: Visual evoked responses and EEG in children with learning problems. Tejral J, et al. **Electroencephalogr Clin Neurophysiol** 39(4):438–9, Oct 75
Visual evoked response in senile and presenile dementia. Visser SL, et al. **Electroencephalogr Clin Neurophysiol** 40(4):385–92, Apr 76
Proceedings: Visual evoked responses and cerebral disorders in children. Vitová Z, et al. **Electroencephalogr Clin Neurophysiol** 39(4):439, Oct 75
Proceedings: The EEG aspect of the normal and abnormal development of the central nervous system during early life. Watanabe K. **Electroencephalogr Clin Neurophysiol** 39(5):540, Nov 75
The use of same or different sensory modalities for information and instructions. Hammerton M. **Ergonomics** 18(6):683–6, Nov 75
Effects of randomly delayed visual and auditory feedback on keying performance. Long J. **Ergonomics** 18(3):337–47, May 75
A reappraisal of artificial signals as an aid to a visual monitoring task. Murrell GA. **Ergonomics** 18(6):693–700, Nov 75
Identifying people in a videotape recording made at night. Simmonds DC, et al. **Ergonomics** 18(6):607–18, Nov 75
Consistency of information processing on visual and auditory, prothetic and metathetic tasks. Woodward DL, et al. **Ergonomics** 19(2):131–40, Mar 76
Adaptation to visual rearrangement elicited by tonic vibration reflexes. Mather J, et al. **Exp Brain Res** 24(1) 28 Nov 75
The effects of identifying objects on a concept–matching task performed by four preschool groups. Levitt E. **Genet Psychol Monogr** 91(Second Half):227–56, May 75
Peripheral detection and central task complexity. Bartz AE. **Hum Factors** 18(1):63–70, Feb 76
Evaluation of auditory, visual, and dual–mode displays for prolonged sonar monitoring in repeated sessions. Colquhoun WP. **Hum Factors** 17(5):425–37, Oct 75
Reaction time as an index of traffic sign perception. Dewar RE, et al. **Hum Factors** 18(4):381–91, Aug 76
Inspection of sheet materials—model and data. Drury CG. **Hum Factors** 17(3):257–65, Jun 75
Continuous versus intermittent display of information. Hepler SP. **Hum Factors** 18(2):183–8, Apr 76
An evaluation of the effect of sign brightness on the sign–reading behavior of alcohol–impaired drivers. Hicks JA 3d. **Hum Factors** 18(1):45–52, Feb 76
Familial correlations in the judgment of numerousness. Guttman R. **Humangenetik** 29(2):161–4, 10 Sep 75
The effects of perceptual motor training on reading achievement. pp. 162–81. Hirsch SM, et al. **In: Anderson RT, Halcomb CG, ed. Learning disability/minimal brain dysfunction syndrome. Springfield, Thomas, 1976. LC 4704 C749L 1973.** (55 ref.)
Two–dimensional spatial–frequency–tuned channels in visual perception. pp. 177–97. Julesz B. **In: Inbar GF, ed. Signal analysis and pattern recognition in biomedical engineering. New York, Wiley, 1975. QT 34 I685s 1974.**
The visual system: general considerations. pp 451–5. Bender MB. **In: Naunton RF, ed. The vestibular system. New York, Academic Press, 1975. WV 255 S989v 1973.**
Development of neurophysiological indices of retardation: interhemispheric asymmetry of the visual evoked cortical response. Richlin M, et al. **Int J Neurosci** 6(6):257–61, 1976
Visual inhibitions of automobile driving. Renik O. **Int J Psychoanal Psychother** 4:459–75, 1975
Hypnosis and the influence of most recently perceived events. Sheehan PW, et al. **J Abnorm Psychol** 84(4):331–45, Aug 75
Time–linked impairment in schizophrenic reaction time performanc Steffy RA, et al. **J Abnorm Psychol** 84(4):315–24, Aug 75
An investigation of speaker photograph indentification. Lass NJ, et al. **J Acoust Soc Am** 59(5):1232–6, May 76
Equal–sensation functions generated by the method of magnitude estimation. Stevens JC. **J Acoust Soc Am** 59(2):473–4, Feb 76
Visual response to dustiness. Hancock RP, et al. **J Air Pollut Control Assoc** 26(1):54–7, Jan 76
The use of visual stimuli during auditory assessment. Pearlman RC, et al. **J Am Audiol Soc** 1(2):64–70, Sep–Oct 75
Applying concepts of visual perception to formats of hospital menus. Fankhauser WL, et al. **J Am Diet Assoc** 67(5):464–9, Nov 75
The training and measurement of sensory literacy in relation to osteopathic structural and palpatory diagnosis. Mitchell FL Jr. **J Am Osteopath Assoc** 75(10):874–84, Jun 76
Do elephants ever forget? Markowitz H, et al. **J Appl Behav Anal** 8(3):333–5, Fall 75
Consistency of individual differences in human vigilance performance: an abilities classification analysis. Parasuraman R. **J Appl Psychol** 61(4):486–92, Aug 76
Reaction time performance of behaviorally deviant children: effects of prior preparatory interval and reinforcement. Kupietz SS, et al. **J Child Psychol Psychiatry** 17(2):123–31, Apr 76
Eyebrow–raising, eye widening and visual search in nursery school children. Wheldall K, et al. **J Child Psychol Psychiatry** 17(1):57–62, Jan 76
The effects of varying noise and information loads on visual informatir n processing of schizophrenics. Alumbaugh RV. **J Clin Psychol** 32(3):512–8, Jul 76
Differential diagnosis of psychiatric patients with the Minnesota Percepto–Diagnostic Test. Fuller GB, et al. **J Clin Psychol** 32(2):335–7, Apr 76
Cluster analysis of preference ratings of pictorial stimuli. Palmer RD. **J Clin Psychol** 31(3):437–8, Jul 75
Olfactory discrimination, reversal learning, and stimulus control in rats. Nigrosh BJ, et al. **J Comp Physiol Psychol** 89(4):285–94, Jun 75
Effects of graduated exposure with feedback of exposure times on snake phobias. Becker HG, et al. **J Consult Clin Psychol** 43(4):478–84, Aug 75
Self–control over intrusive experiences. Fisher EB Jr, et al. **J Consult Clin Psychol** 43(6):911–6, Dec 75
Word recognition cues used in matching verbal stimuli within and between auditory and visual modalities. Swenson I. **J Educ Psychol** 67(3):409–15, Jun 75
Detection of the velocity of movement of visual stimuli by pigeons? Hodos W, et al. **J Exp Anal Behav** 25(2):143–56, Mar 76
Control by the auditory or the visual element of a compound discriminative stimulus: effects of feedback. LoLordo VM, et al. **J Exp Anal Behav** 25(2):251–6, Mar 76
Differential reinforcement and signal detection. Nevin JA, et al. **J Exp Anal Behav** 24(3):355–67, Nov 75
Stimulus change as a factor in response maintenance with free food available. Osborne SR, et al. **J Exp Anal Behav** 24(1):17–21, Jul 75
Establishing stimulus equivalences among retarded adolescents. Dixon M, et al. **J Exp Child Psychol** 21(1):144–64, Feb 76
The effect of pictorial detail and elaboration on children's retention. Emmerich HJ, et al. **J Exp Child Psychol** 21(2):241–8, Apr 76
Effects of quantitative shifts in a visual reinforcer on the instrumental response of infants. Fagen JW, et al. **J Exp Child Psychol** 21(2):349–60, Apr 76
Dimensional dominance and stimulus discriminability. Fernandez D. **J Exp Child Psychol** 21(1):175–89, Feb 76
Central and peripheral vision in early infancy. Macfarlane A, et al. **J Exp Child Psychol** 21(3):532–8, Jun 76
A developmental study of choice reaction time: the effect of two forms of stimulus degradation on encoding. Maisto AA, et al. **J Exp Child Psychol** 20(3):456–64, Dec 75
Memory for orientation of forms as a function of their meaningfulness and complexity. Mandler JM, et al. **J Exp Child Psychol** 20(3):430–43, Dec 75
The recall of relevant and incidental dimensional values as a function of perceptual salience, congitive set, and age. Odom RD, et al. **J Exp Child Psychol** 19(3):524–35, Jun 75
Extended conditioning and 24–hour retention in infants. Rovee CK, et al. **J Exp Child Psychol** 21(1):1–11, Feb 76
Developmental reversal in classification accuracy due to an increase with age in orientation–free judgments. Williams TM, et al. **J Exp Child Psychol** 21(1):128–43, Feb 76
Children's responses to meaningful pictures varying in diversity: exploration time vs. preference. Wohlwill JF. **J Exp Child Psychol** 20(2):341–51, Oct 75
Comparison of visually guided reaching in normal and deprived infant monkeys. Bauer J, et al. **J Exp Psychol [Anim Behav]** 1(4):298–308, Oct 75
An analysis of short–term visual memory in the monkey. Mishkin M, et al. **J Exp Psychol [Anim Behav]** 1(4):326–34, Oct 75
Modification of the rat's acoustic startle response by antecedent visual stimulation. Schwartz GM, et al. **J Exp Psychol [Anim Behav]** 2(1):28–37, Jan 76
Are more items identified than can be reported? Graves RE. **J Exp Psychol [Hum Learn]** 2(2):208–14, Mar 76
Are more items identified than can be reported? Graves RE. **J Exp Psychol [Hum Learn]** 2(2):208–14, Mar 76
Memory for descriptive and spatial information in complex pictures. Mandler JM, et al. **J Exp Psychol [Hum Learn]** 2(1):38–48, Jan 76
Enduring visual memory despite forced verbal rehearsal. Parks TE, et al. **J Exp Psychol [Hum Learn]** 1(5):648–54, Sep 75
Storage and retrieval properties of dual codes for pictures and words in recognition memory. Snodgrass JG, et al. **J Exp Psychol [Hum Learn]** 1(5):521–9, Sep 75
Stimulus familiarity modifies perceived duration in prerecognition visual processing. Avant LL, et al. **J Exp Psychol [Hum Percept]** 1(3):205–13, Aug 75
Further evidence for two components in visual persistence. Erwin DE. **J Exp Psychol [Hum Percept]** 2(2):191–209, May 76
Attending to forty–nine spatial positions at once. Shiffrin RM, et al. **J Exp Psychol [Hum Percept]** 2(1):14–22, Feb 76
The effects of divided attention on information processing in manual tracking. Wickens CD. **J Exp Psychol [Hum Percept]** 2(1):1–13, Feb 76
Apparent reversals seen by three types of perceiver of the Ames trapezoid illusion. Cahill MC. **J Gen Psychol** 93(Second Half):269–79, Oct 75
Acoustic image in visual detection for deaf and hearing college students. Chen K. **J Gen Psychol** 94(2):243–6, Apr 76
Visual discrimination in the Mongolian gerbil (Meriones unguiculatus) as a function of age. Greenberg G, et al. **J Gen Psychol** 94(First Half):19–22, Jan 76
The effect of visual angle orientation on perceived oscillatory motion. Martinetti RF. **J Gen Psychol** 94(First Half):59–64, Jan 76
The relationship between perceptual egocentrism and field–dependence in early childhood. Bowd AD. **J Genet Psychol** 127(First Half):63–9, Sep 75
Factors affecting accuracy of perception on a task requiring the ability to identify viewpoints. Eliot J, et al. **J Genet Psychol** 128(2):201–14, Jun 76
Egocentric error and the construct of egocentrism. Eliot J, et al. **J Genet Psychol** 128(2):275–89, Jun 76
Recognition of inverted photographs of faces by children and adults. Goldstein AG. **J Genet Psychol** 127(First Half):109–23, Sep 75
Perceptual incongruity and social interaction as determinants of infants' reaction to novel persons. Greenberg DJ, et al. **J Genet Psychol** 127(Second Half):215–22, Dec 75
Subclinical optic neuropathy in multiple sclerosis. How early VER components reflect axon loss and conduction defects in optic pathways. Feinsod M, et al. **J Neurol Neurosurg Psychiatry** 38(11):1109–14, Nov 75
A study of visual processes in a case of interhemispheric disconnexion. Lhermitte F, et al. **J Neurol Sci** 28(3):317–30, Jul 76
A psychoneural model of visual contrast. Hirsch HR, et al. **J Neurosci Res** 1(5–6):405–17, 1975
Filter model for lightness and brightness on different backgrounds. Emerson PL, et al. **J Opt Soc Am** 65(10):1101–5, Oct 75
Letter: measurement of metacontrast. Growney R, et al. **J Opt Soc Am** 65(11):1379–81, Nov 75
Monkey contrast threshold for aperiodic patterns. Harding TH, et al. **J Opt Soc Am** 66(2):131–8, Feb 76
Effect of spatial frequency on the visibility of unstructured patterns. Mitchell OR. **J Opt Soc Am** 66(4):327–32, Apr 76
Recognition of traffic signals viewed through colored filters. Phillips RA, et al. **J Opt Soc Am** 65(10):1106–13, Oct 75
Visual sensitivity of the eye to infrared laser radiation. Sliney

DH, et al. **J Opt Soc Am** 66(4):339–41, Apr 76
Letter: Binocularly induced motion of flicker patterns. Staebler DL. **J Opt Soc Am** 66(2):156–7, Feb 76
The Honi phenomenon revisited: factors underlying the resistance to perceptual distortion of one's partner. Dion KL, et al. **J Pers Soc Psychol** 33(2):170–7, Feb 76
Encoding and decoding nonverbal cues of emotion. Zuckerman M, et al. **J Pers Soc Psychol** 32(6):1068–76, Dec 75
Proceedings: Interaction in the human visual system between sinusoidal gratings of harmonically related spatial frequencies. Barfield LP. **J Physiol (Lond)** 254(1):67P–68P, Jan 76
Proceedings: Stability of vision with a paralysed eye. Brindley GS, et al. **J Physiol (Lond)** 258(2):65P–66, Jun 76
Proceedings: Visual and taste neurones in the lateral hypothalamus and substantia innominata: modulation of responsiveness by hunger. Burton MJ, et al. **J Physiol (Lond)** 252(2):50P–51P, Nov 75
Proceedings: The time course of human vision. Butler TW, et al. **J Physiol (Lond)** 258(2):67P–68P, Jun 76
Contrast constancy: deblurring in human vision by spatial frequency channels. Georgeson MA, et al. **J Physiol (Lond)** 252(3):627–56, Nov 75
Proceedings: Methods for separating pattern- and movement-related evoked potentials. Kulikowski JJ. **J Physiol (Lond)** 257(1):2P–3P, May 76
Proceedings: Neuron activities in the posterior parietal association areas and visual orientation. Sakata H, et al. **J Physiol Soc Jpn** 36(8–9):284–5, 1 Sep 74
Relations between two-flash discrimination and electrodermal activity, re-examined in schizophrenics and normals. Gruzelier JH, et al. **J Psychiatr Res** 12(2):73–85, Aug 75
Sex differences in the comprehension of spatial orientation. Maxwell JW, et al. **J Psychol** 91(First Half):127–31, Sep 75
A Markovian model of adult gaze behavior. Natale M. **J Psycholinguist Res** 5(1):53–63, Jan 76
Helping behavior as a function of pictorially induced moods. Donnerstein E, et al. **J Soc Psychol** 97(Second Half):221–5, Dec 75
The effects of word length and visual complexity on verbal reaction times. Brennan DG, et al. **J Speech Hear Res** 19(1):141–55, Mar 76
An elemental phenomenon of vision-suprafusion transients: general theory, retinal-cortical manifestations, potential application. Bird JF, et al. **J Theor Biol** 55(2):553–7, Dec 75
The visual inner transform of the outer optical medium and the visual resolution. Ciures A. **J Theor Biol** 55(1):145–51, Nov 75
Language switching and constituent structure. Wakefield JA Jr, et al. **Lang Speech** 18(1):14–9, Jan–Mar 75
Visual field analyser: assessment of delay and temporal resolution of vision. Regan D, et al. **Med Biol Eng** 14(1®760310–760415–3):8–14, Jan 76
Visual communication in aphasia. Gardner H, et al. **Neuropsychologia** 14(3):275–92, 1976
Psychophysical scaling of olfactory, visual, and auditory stimuli by alchoholic Korsakoff patients. Jones BP, et al. **Neuropsychologia** 13(4):387–93, Oct 75
The measure of laterality. Marshall JC, et al. **Neuropsychologia** 13(3):315–21, Sep 75
Hemispheric functional asymmetry in visual discrimination between univariate stimuli: an analysis of sensitivity and response criterion. Nichelli EB, et al. **Neuropsychologia** 14(3):335–42, 1976
Unilateral aphakia and tolerance of aniseikonia. Crone RA, et al. **Ophthalmologica** 171(4–5):258–63, 1975
[Social behavior, musicality and visual perception in monogloid children (author's transl)] Rabensteiner B. **Paediatr Paedol** Suppl 4:59–69, 1975 (Eng. Abstr.)
Cross modal transfer of a conditional flexion response in dogs. Seraganian P, et al. **Pavlov J Biol Sci** 11(3):162–74, Jul–Sep 76
Multidimensional scaling of pictorial informativeness. Antes JR, et al. **Percept Mot Skills** 40(3):887–93, Jun 75
Effects of task difficulty on subsequent preference for visual complexity. Arkes HR, et al. **Percept Mot Skills** 41(2):395–9, Oct 75
Evaluation of two instrumental procedures for use with embedded-figures subtest of Purdue Motion-Picture Screening Test. Ayers JB, et al. **Percept Mot Skills** 42(1):133–4, Feb 76
Boredom and arousal: comparison of tasks differing in visual complexity. Bailey JP, et al. **Percept Mot Skills** 43(1):141–2, Aug 76
SAM Complex Coordinator and Multidimensional Pursuit Test: annotated bibliographies. Benel RA. **Percept Mot Skills** 42(1):327–38, Feb 76
Perceptual stability, image size, binocularity and creativity. Bergum BO, et al. **Percept Mot Skills** 41(2):667–71, Oct 75
An experimental reunion of psychoanalytic theory with perceptual vigilance and defense. Reply to Jennings and George. Blum GS. **Percept Mot Skills** 41(3):957–8, Dec 75
Efficacy of the Visual Retention Test as a group-administered instrument for young children. Bobele RM. **Percept Mot Skills** 43(1):267–72, Aug 76
Autokinetic movement as a function of symbolic meaning of target shape. Borresen CR, et al. **Percept Mot Skills** 42(3):723–6, Jun 76
Shape constancy as a function of selected physical stimulus dimensions. Borresen CR. **Percept Mot Skills** 43(1):279–88, Aug 76
Visual retention test: local norms and impact of short-term memory. Brook RM. **Percept Mot Skills** 40(3):967–70, Jun 75
Learning disabilities and central nervous system involvement. Brook RM. **Percept Mot Skills** 42(2):397–8, Apr 76
Observing behavior in the albino rat: a within-subjects' comparison of increasing levels of visual complexity. Burkholder J, et al. **Percept Mot Skills** 41(2):523–9, Oct 75
Are two hands better than one? assessing information acquired from one- and two-handed haptic exploration of random forms. Butter EJ, et al. **Percept Mot Skills** 43(1):115–20, Aug 76
Relationships among perceptual-motor, self-concept, and academic measures for children in kindergarten, grades one and two. Cobb PR, et al. **Percept Mot Skills** 41(2):539–46, Oct 75
Comparison of deaf and hearing children on body-object localization. Comalli PE Jr, et al. **Percept Mot Skills** 42(3):747–50, Jun 76
Types of music, schedules of background stimulation, and visual vigilance performance. Corhan CM, et al. **Percept Mot Skills** 42(2):662, Apr 76
Information seeking vs information utilization in children's induction from incomplete pictures. Cox WF Jr, et al. **Percept Mot Skills** 43(1):151–3, Aug 76
Dominant direction of conjugate lateral eye movements and responsiveness to facial and verbal cues. Crouch WW. **Percept Mot Skills** 42(1):167–74, Feb 76
Cognitive style and the Perky effect. David O, et al. **Percept Mot Skills** 42(2):432–4, Apr 76
Test of the incidental-cues hypothesis. Denis M. **Percept Mot Skills** 43(1):175–8, Aug 76
Nonverbal abstractive learning and schizophrenia. Donnelly EF, et al. **Percept Mot Skills** 42(1):75, Feb 76
Disruption of performance of a lab-born orangutan after introduction of irrelevant foreground cues. Essock SM. **Percept Mot Skills** 40(2):645–6, Apr 75
Judgment error in category vs magnitude scales. Eyman RK, et al. **Percept Mot Skills** 40(2):415–23, Apr 75
Field-dependence, extraversion and perception of the vertical: empirical and theoretical perspectives of the rod-and-frame test. Fine BJ, et al. **Percept Mot Skills** 40(3):683–93, Jun 75
Note on the relationship between introversion-extraversion, field-dependence-independence and accuracy of visual target detection. Fine BJ, et al. **Percept Mot Skills** 42(3):763–6, Jun 76
Role of stimulus modality in rating ordinary and derived word strings. Finkler D. **Percept Mot Skills** 40(2):495–501, Apr 75
Developmental aspects of auditory and visual scanning. Fisher L, et al. **Percept Mot Skills** 40(2):583–6, Apr 75
Sensory integration and single-modality scanning. Fisher L, et al. **Percept Mot Skills** 40(2):639–44, Apr 75
Factors involved in visual capture. Fishkin SM, et al. **Percept Mot Skills** 40(2):427–34, Apr 75
Predicting memory for pictures from rankings of interestingness, pleasingness, complexity, figure-ground and clarity. Franken RE, et al. **Percept Mot Skills** 41(1):243–7, Aug 75
Mutual visual regard during mother-infant play. Friedman S, et al. **Percept Mot Skills** 42(2):427–31, Apr 76
Hemispheric factors and scanning dynamics in the processing of briefly exposed stimuli by human subjects: bibliography. Fudin R, et al. **Percept Mot Skills** 41(1):299–310, Aug 75
Note on duration of stimulus exposure in experiments on covert scanning of laterally shown targets. Fudin R, et al. **Percept Mot Skills** 42(1):223–6, Feb 76
Visual discrimination: comparison of two methods. Fusaro JA, et al. **Percept Mot Skills** 42(2):654, Apr 76
Developmental perception and cognitive styles: from young children to master artists. Gaines R. **Percept Mot Skills** 40(3):983–98, Jun 75
Effect of subliminal stimuli on consumer behavior: negative evidence. George SG, et al. **Percept Mot Skills** 41(3):847–54, Dec 75
Signal pulse-rate and judged duration. Goldstone S, et al. **Percept Mot Skills** 42(2):655–61, Apr 76
Serial processing shown by mutual masking of icons. Harcum ER, et al. **Percept Mot Skills** 40(2):399–408, Apr 75
Underestimation of length by subjects in motion. Harte DB. **Percept Mot Skills** 41(2):519–22, Oct 75
Visual observing by rhesus monkeys: influence of potentially threatening stimuli. Haude RH, et al. **Percept Mot Skills** 43(1):231–7, Aug 76
Cultural deprivation and the relative preferences of preschool children for complex and novel stimuli. Hicks RA, et al. **Percept Mot Skills** 42(3):972–4, Jun 76
Bisecting the Ponzo illusion. Hill AL. **Percept Mot Skills** 41(1):225–6, Aug 75
Blinking and thinking. Holland MK, et al. **Percept Mot Skills** 41(2):503–6, Oct 75
Perceptual vigilance and defense revisited: evidence against Blum's psychoanalytic theory of subliminal perception. Jennings LB, et al. **Percept Mot Skills** 41(3):723–9, Dec 75
Latency differences to monochromatic stimuli measured by disjunctive reaction time. Jones PD, et al. **Percept Mot Skills** 41(1):55–9, Aug 75
Pupil size, eye contact, and instrumental aggression. Kidd RF. **Percept Mot Skills** 41(2):538, Oct 75
Use of perceptually based apparatus to train adult women's performance on a Piagetian measure of the horizontality concept. Leino V, et al. **Percept Mot Skills** 42(2):363–9, Apr 76
No correlation between rod-and-frame and visual normalization scores. Lester G, et al. **Percept Mot Skills** 40(3):846, Jun 75
Determinants of visual attention in real-wound scenes. Lewis MC. **Percept Mot Skills** 41(2):411–6, Oct 75
Motor and perceptual determinants of performance on the Bender-Gestalt and the Beery Developmental Scale by retarded males. Liemohn W, et al. **Percept Mot Skills** 40(2):524–6, Apr 75
Visual serial search across number and letter sets. McCarthy SV. **Percept Mot Skills** 43(1):311–4, Aug 76
Visual search through words and nonwords in horizontal and vertical orientations. McMichael E, et al. **Percept Mot Skills** 41(3):740–2, Dec 75
Effects of visual presentation of caloric values on food buying by normal and obese persons. Milich R, et al. **Percept Mot Skills** 42(1):155–62, Feb 76
Picture memory: role of figure-ground organization. Mitterer JO, et al. **Percept Mot Skills** 40(3):753–4, Jun 75
Evidence from mutual masking for serial processing of tachistoscopic letter patterns. Nice DS, et al. **Percept Mot Skills** 42(3):991–1003, Jun 76
Demonstration of inadequacy of kinesthetic cues for binocular convergence. Oetting ER. **Percept Mot Skills** 42(2):582, Apr 76
Response latencies in visual monitoring. Parasuraman R. **Percept Mot Skills** 40(2):636, Apr 75
Visual disembedding and injury in college football players. Pargman D. **Percept Mot Skills** 42(3):762, Jun 76
The 'golden section': an artifact of stimulus range and demand characteristics. Piehl J. **Percept Mot Skills** 43(1):47–50, Aug 76
Inhibitory effect of a second stimulus on reaction time to a primary stimulus: a partial successful replication. Rakover SS, et al. **Percept Mot Skills** 41(2):635–41, Oct 75
Time delay in estimation of angles. Ross DA. **Percept Mot Skills** 42(2):625–6, Apr 76
Comparison of schizophrenics and normals on a visual search task. Russell PN, et al. **Percept Mot Skills** 42(2):399–402, Apr 76
Aesthetic complexity and exploratory behavior. Saklofske DH. **Percept Mot Skills** 41(2):363–8, Oct 75
Visual aesthetic complexity, attractiveness and diversive exploration. Saklofske DH. **Percept Mot Skills** 41(3):813–4, Dec 75
Internal-external locus of control and performance on a vigilance task. Sanders MG, et al. **Percept Mot Skills** 42(3):939–43, Jun 76
Discriminability and identifiability of the human hand based on its quantified complexity. Seman WA, et al. **Percept Mot Skills** 42(1):287–93, Feb 76
Recall of familiar objects and projected color photographys of objects by mentally retarded individuals of comparable mental age. Shotick AL, et al. **Percept Mot Skills** 42(1):139–45, Feb 76
Two-part stimulus integration and specific reading disability. Stanley G. **Percept Mot Skills** 41(3):873–4, Dec 75
Visual perception by speechreaders of selected syntactic structures. Stewart Fehr JA, et al. **Percept Mot Skills** 41(1):31–4, Aug 75
Knowledge of results and counting of sequential light flashes by retarded and intellectually normal children. Thor DH, et al. **Percept Mot Skills** 42(3):835–40, Jun 76
An alternative for judging confusability of visual letters. Thorson G. **Percept Mot Skills** 42(1):116–8, Feb 76
Effects of postinatal stress on visual and auditory evoked potentials. Torda C. **Percept Mot Skills** 43(1):315–22, Aug 76
Conservation of length and the Müller-Lyer illusion. Versey J. **Percept Mot Skills** 40(2):658, Apr 75
Potential artifact in dichoptic backward masking. Wagener JW. **Percept Mot Skills** 42(2):497–8, Apr 76
Effects of field-articulation and feedback on perception of intermediate visual-kinesthetic position. Ware JR, et al. **Percept Mot Skills** 40(3):875–8, Jun 75
Measures of visual-auditory integration and their relations to reading achievement in early grades. Warren DH, et al. **Percept Mot Skills** 41(2):615–30, Oct 75
Perception of less irregular and more irregular stimuli. Zahn JR, et al. **Percept Mot Skills** 41(2):643–50, Oct 75
Aftereffects of short-term monocular deprivation on critical flicker frequency of the non-occluded eye. Zubek JP, et al. **Percept Mot Skills** 43(1):123–6, Aug 76
The orientation anisotropy and orientation constancy: a visual evoked potential study. Frost BJ, et al. **Perception** 4(1):51–8, 1975
How monkeys acquire a new way of seeing. Humphrey NK, et al. **Perception** 5(1):51–6, 1976
Binocular-disparity-dependent upper-lower hemifield anisotropy and left-right hemifield isotropy as revealed by dynamic random-dot stereograms. Julesz B, et al. **Perception** 5(2):129–41, 1976
Pulfrich effect and the filling in of apparent motion. Morgan MJ. **Perception** 5(2):187–95, 1976
Implicit labelling and readiness for pronunciation during the perceptual process. Noizet G, et al. **Perception** 5(2):217–23, 1976
Dominance of touch by vision: generalization of the

hypothesis to a tactually experienced population. Power RP, et al. **Perception** 5(2):161–6, 1976
The visual perception of accelerated motion. Schmerler J. **Perception** 5(2):167–85, 1976
Monocular and binocular rivalry between contours. Wade NJ. **Perception** 4(1):85–95, 1975
Visual standards. Sea Services. Barras TC. **Proc R Soc Med** 69(1):68–9, Jan 76
Visual standards railway staff. Newnham CT. **Proc R Soc Med** 69(1):69–70, Jan 76
Visual evoked responses and their dispersion pattern in neurotic patients. Crighel E, et al. **Psychiatr Clin (Basel)** 7(6):317–27, 1974
Familiarity effects in visual information processing. Krueger LE. **Psychol Bull** 82(6):949–74, Nov 75 (137 ref.)
Influencing associative thinking and imagery in emotionally disturbed children. Adler LL, et al. **Psychol Rep** 39(1):183–8, Aug 76
Effects of verbal learning on reproduction of visually perceived forms as a function of instructions, delay of reproduction, and age. Ardila R. **Psychol Rep** 38(1):259–65, Feb 76
Modality and prior habituation as critical factors in development of rapid discriminated conditioned suppression in rats. Corwin JV, et al. **Psychol Rep** 38(3 Pt 2):1259–65, Jun 76
Short-lived facilitation of aggressive behavior by violent communications. Day KD. **Psychol Rep** 38(3 Pt 2):1068–70, Jun 76
Effects of novel irrelevant cues on brightness discrimination reversal in rats. Hartel F, et al. **Psychol Rep** 37(3 PT 2):1223–6, Dec 75
Role of selective attention to emotional and neutral stimuli in schizophrenic affective deficit. Watson CG, et al. **Psychol Rep** 38(3 pt. 1):1003–10, Jun 76
The influence of visual and auditory images on the recall of items of visual and auditory presentation mode. Bosshardt HG. **Psychol Res** 37(3):211–27, 6 Mar 75
The influence of visual and auditory images on visual and auditory word identification. Bosshardt HG. **Psychol Res** 38(1):1–22, 30 Sep 75
Visual dominance: an information-processing account of its origins and significance. Posner MI, et al. **Psychol Rev** 83(2):157–71, Mar 76 (36 ref.)
Visual evoked responses as a function of light intensity in Down's syndrome and nonretarded subjects. Gliddon JB, et al. **Psychophysiology** 12(4):416–22, Jul 75
On testing specific hypotheses about subliminal perception: a reply to Shevrin. Schwartz M. **Psychophysiology** 13(1):27–31, Jan 76
Two visual stores and two processing operations in tachistoscopic partial report. Bongartz W, et al. **Q J Exp Psychol** 28(2):203–19, May 76
The Poggendorff illusion: apparent misalignment which is not attributable to apparent orientation of the transversals. Day RH, et al. **Q J Exp Psychol** 27(4):551–7, Nov 75
Attention and hemispheric differences in reaction time during simultaneous audio-visual tasks. Geffen G, et al. **Q J Exp Psychol** 25(3):404–12, Aug 73
Memory in a bisensory selective attention task. Hall R, et al. **Q J Exp Psychol** 25(3):309–15, Aug 73
Straw men in noise fields: a reply to Coltheart and Arthur. Henderson L. **Q J Exp Psychol** 25(3):440–3, Aug 73
On the relation between identifying and locating masked targets in visual search. Logan GD. **Q J Exp Psychol** 27(3):451–7, Aug 75
On the disruption of visual memory: interference produced by visual report cues. Merikle P. **Q J Exp Psychol** 28(2):193–202, May 76
Processing order in visual perception. Merikle PM, et al. **Q J Exp Psychol** 28(1):17–26, Feb 76
Backward and forward recall by deaf and hearing children. O'Connor N, et al. **Q J Exp Psychol** 28(1):83–92, Feb 76
An 'across-the-board' modality effect in immediate serial recall. Routh DA. **Q J Exp Psychol** 28(2):285–304, May 76
Visual perception of musical notation: registering pitch symbols in memory. Sloboda JA. **Q J Exp Psychol** 28(1):1–16, Feb 76
Perceptual distinctiveness and proactive interference in the primacy effect. Underwood G. **Q J Exp Psychol** 27(2):289–94, May 75
The perceptual fragmentation of unstabilized images. Walker P. **Q J Exp Psychol** 28(1):35–45, Feb 76
The respective role of limb and eye movements in the haptic and visual Müller-Lyer illusion. Wong TS. **Q J Exp Psychol** 27(4):659–66, Nov 75
Amorphosynthesis on the chess board. Cherington M, et al. **Scand J Rehabil Med** 7(4):176–8, 1975
The resources of binocular perception. Ross J. **Sci Am** 234(3):80–6, Mar 76
Segmentation in cinema perception. Carroll JM, et al. **Science** 191(4231):1053–5, 12 Mar 76
The pendulum of progress. Miller SJ. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP58–63, Jan-Feb 76
Eccentric vision: adverse interactions between line segments. Andriessen JJ, et al. **Vision Res** 16(1):71–8, Jan 76
Simple reaction time as a measure of the temporal response properties of transient and sustained channels. Breitmeyer BG. **Vision Res** 15(12):1411–2, Dec 75
Measuring perceived orientation. Emerson P, et al. **Vision Res** 15:1031–3, Aug–Sep 75
The effect of light on brightness perception in rats with retinal dystrophy. Kaitz M. **Vision Res** 16(2):141–8, 1976
Effects of steady surround illumination on the brightness and darkness enhancement of flickering lights. Magnussen S, et al. **Vision Res** 15(12):1413–6, Dec 75
Ricco's law: response as a power function of stimulus luminance and distance from target center. Matin L. **Vision Res** 15(12):1381–4, Dec 75
Information received from unseen lights. Sakitt B. **Vision Res** 16(7):782–4, 1976
Paralysis of the awake human: visual perceptions. Stevens JK, et al. **Vision Res** 16(1):93–8, Jan 76
Luminance gradients and edge effects. van den Brink G, et al. **Vision Res** 16(2):155–9, 1976
A modified multiplicative rule describes backward masking in a photoreceptor. Wasserman GS, et al. **Vision Res** 16(7):785–8, 1976
Subjective patterns elicited by light flicker. Young RS, et al. **Vision Res** 15(11):1291–3, Nov 75
The influence of perspective and disparity cues on the perception of slant. Youngs WM. **Vision Res** 16(1):79–82, Jan 76
Saccadic eye movement characteristics to the double-step stimuli. Nam MH, et al. **Yonsei Med J** 16(2):65–71, 1975
[Behavioral data on visual discrimination in animals] Thinus-Blanc C. **Annee Psychol** 75(2):457–91, 1975 **(Fre)**
[Diagnostic procedure in radiology. Theoretical model and experimental research] Pessina G, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:393–6, 1975 **(Fre)**
[Prosopagnosia. Role of the right hemisphere in visual perception. (Apropos of a case after right occipital lobectomy)] Lhermitte F, et al. **Rev Neurol (Paris)** 131(11):791–812, Nov 75 (Eng. Abstr.) **(Fre)**
[Influence of prenatal auditory experience on the development of visual attachment in the domestic chick] Guyomarc'h JC. **Z Tierpsychol** 37(5):542–9, Jul 75 (Eng. Abstr.) **(Fre)**
[Experiments on perception in schizophrenia (author's transl)] Straube E. **Arch Psychiatr Nervenkr** 220(2):139–58, 28 May 75 (Eng. Abstr.) **(Ger)**
[Effect of films with aggressive contents on the aggressive behavior of non-frustrated viewers] Nestmann F, et al. **Arch Psychol (Frankf)** 127(1–2):93–106, 1975 (Eng. Abstr.) **(Ger)**
[Sensory and pupillomotor sensitivity after surgical treatment of retinal detachment] Alexandridis E, et al. **Mod Probl Ophthalmol** 15:300–3, 1975 **(Ger)**
[Pattern specific visual competition] Dörrenhaus W. **Naturwissenschaften** 62(12):578–9, Dec 75 **(Ger)**
[Effectiveness control of a tachistoscopic training with dyslectic children of the 3d grade] Gutezeit G, et al. **Prax Kinderpsychol Kinderpsychiatr** 24(5):169–74, Jul 75 (Eng. Abstr.) **(Ger)**
[Group experiment to investigate judgement-convergence and the assessment of reality in schizophrenics presented with visual stimuli] Hartwich P, et al. **Psychiatr Clin (Basel)** 8(4):167–78, 1975 (Eng. Abstr.) **(Ger)**
[The checkerboard pattern, an only binocularly perceived flicker pattern] Welpe E. **Vision Res** 15(11):1283–7, Nov 75 (Eng. Abstr.) **(Ger)**
[Significance of the variable exposure time and preference accentuation as well as individual differences in the study of complexity preference in the visual area] Wiedl KH. **Z Exp Angew Psychol** 22(2):316–46, 1975 (Eng. Abstr.) **(Ger)**
[Accuracy of tracking and time required in directed movements: towards the validation of the Derwort-von Weizsäcker law of constant figure time] Hacker W. **Z Psychol** 182(3):307–37, 1974 (Eng. Abstr.) **(Ger)**
[Internal class representation of visual pattern spaces] Maier R, et al. **Z Psychol** 183(1):53–60, 1975 (Eng. Abstr.) **(Ger)**
[Simple reaction times and nonstructuralized lateralized visual stimuli, in subjects responding to crossed and uncrossed hands] Anzola GP, et al. **Boll Soc Ital Biol Sper** 51(20):1440–4, 30 Oct 75 **(Ita)**
[Relationships between focal lesions of one cerebral hemisphere and 'visuo-perceptive categorization': preliminary data (author's transl)] Capitani E. **Riv Patol Nerv Ment** 95(5):772–7, Oct 74 (Eng. Abstr.) **(Ita)**
[Visuo-spatial inattention following focal hemispheric lesions: preliminary experimental data (author's transl)] Colombo A. **Riv Patol Nerv Ment** 95(5):752–61, Oct 74 (Eng. Abstr.) **(Ita)**
[Visual discrimination of geometric stimuli variable in a single dimension in brain-damaged subjects with focal damage of one hemisphere: preliminary findings in experimental research] Nichelli P. **Riv Patol Nerv Ment** 95(5):737–43, Oct 74 (Eng. Abstr.) **(Ita)**
[Visuo-tactile scanning impairment following unilateral cerebral hemisphere lesions (author's transl)] Pagani C. **Riv Patol Nerv Ment** 95(5):745–51, Oct 74 (Eng. Abstr.) **(Ita)**
[The Riddoch-Zappia phenomenon revealed in visual pathway lesions (author's trans)] Matsuo H, et al. **Acta Soc Ophthalmol Jpn** 79(9):1321–8, 10 Sep 75 (Eng. Abstr.) **(Jpn)**
[Proceedings: Effect of visual input interruption on voluntary movement] Saito S, et al. **J Physiol Soc Jpn** 36(8–9):335–6, 1 Sep 74 **(Jpn)**
[A case of visual agnosia with amusia (author's transl)] Fukuda K, et al. **Psychiatr Neurol Jpn** 78(5):417–30, 1976 (Eng. Abstr.) **(Jpn)**
[Identification of neuronal system objects with standards] Gutman SR. **Biofizika** 21(2):366–71, Mar-Apr 76 (Eng. Abstr.) **(Rus)**
[Interaction of the vestibular and visual analyzers] Kekhaiov VN. **Vestn Otorinolaringol** (3):54–7, May-Jun 74 (Eng. Abstr.) **(Rus)**
[Reflex interaction between the visual and skin temperature analyzers in focal lesions at the level of the optic thalamus and brain stem] Kurilova LM, et al. **Zh Nevropatol Psikhiatr** 75(6):849–52, 1975 (Eng. Abstr.) **(Rus)**
[Visual perception, reaction time and their alteration under the influence of alcohol in patients with remote sequelae of closed cranio-cerebral trauma] Reshchikova TN. **Zh Nevropatol Psikhiatr** 75(11):1682–8, 1975 (Eng. Abstr.) **(Rus)**
[Speech and perception in acoustic-mnestic aphasia] Tsvetkova LS. **Zh Nevropatol Psikhiatr** 76(3):369–73, 1976 (Eng. Abstr.) **(Rus)**
[Influence of stimulation of the vestibular apparatus on the visual function (length of the false deformation of objects following stimulation of the vestibular apparatus)] Kekhaiov AN. **Zh Ushn Nos Gorl Bolezn** (2):80–1, Mar-Apr 76 **(Rus)**
[Perceptual-motor activity in children with focal lesions of the brain] Zingerman AM, et al. **Zh Vyssh Nerv Deiat** 25(3):545–51, May-June 75 (Eng. Abstr.) **(Rus)**
[The phenomenon of visual completion in cerebral lesions] Domínguez D. **Acta Neurol Lat Am** 19(1–4):89–94, 1973 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Proceedings: Visual and auditory evoked responses during enflurance anesthesia in man and cats. Burchiel KJ, et al. **Electroencephalogr Clin Neurophysiol** 39(4):434, Oct 75
Recovery of verbal short-term memory in alcoholics. Cermak LS, et al. **J Stud Alcohol** 37(1):46–52, Jan 76
Alcohol and backward masking of visual information. Moskowitz H, et al. **J Stud Alcohol** 37(1):40–5, Jan 76
An audiovisual test of divided attention. Bach MJ, et al. **Percept Mot Skills** 43(1):51–7, Aug 76
Note on selective effects of short-term tobacco-abstinence on complex versus simple mental tasks. Elgerot A. **Percept Mot Skills** 42(2):413–4, Apr 76
[Modifications of the EEG and the photosensitivity of Papio papio under the effect of different derivatives of ergot] Balzano E, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):219–30, Apr-Jun 71 **(Fre)**
[Effects of medazepam on the learning of 2 different programs of light discrimination] Cannizzaro G, et al. **Arch Sci Biol (Bologna)** 58(1–4):27–35, Jan-Dec 74 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

[A system for studying the receptive field of visual neurons] Berrux B, et al. **Int J Biomed Comput** 6(4):231–40, Oct 75 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cerebellar neuronal responses to photic stimulation. Abraham W, et al. **Act Nerv Super (Praha)** 18(1–2):67–9, Jun 76
Habituation and dishabituation in the picture of cortical visual evoked activity in human subjects. Golda V, et al. **Act Nerv Super (Praha)** 18(1–2):90–1, Jun 76
Eye movements during visual problem solving. Radil-Weiss T, et al. **Act Nerv Super (Praha)** 18(1–2):89–90, Jun 76
Konorski's concept of gnostic areas and units: some electrophysiological considerations. John ER. **Acta Neurobiol Exp (Warsz)** 35(5–6):417–29, 1975
Responses of cortical vestibular center produced by stimulation of vestibular nuclei and visual association area in the cat. Watanabe S, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):147–58, 1975
Interhemispheric transfer of figural information in right- and non-right-handed subjects. Beaumont G, et al. **Acta Psychol (Amst)** 39(2):97–104, Apr 75
Evaluation of the image motion parameters (speed and direction) by the rabbit visual cortex cells. Ketleris J, et al. **Agressologie** 15(7):441–7, 1974
Complex binocular interaction and other effects in the visual evoked response. White CT, et al. **Am J Optom Physiol Opt** 52(10):674–8, Oct 75
Binary assessment of early approach-behaviour in the Japanese quail. Kovach JK, et al. **Anim Behav** 23(2):357–67, May 75
Physiological aspects of visual perception. II. The subcortical visual direction of behavior. Denny-Brown D, et al. **Arch Neurol** 33(4):228–42, Apr 76
Physiological aspects of visual perception. I. Functional aspects of visual cortex. Denny-Brown D, et al. **Arch Neurol** 33(4):219–27, Apr 76
Drug-induced dissociation of evoked responses and performance in mice. Andry DK. **Behav Biol** 17(1):17–29, May 76
Stabilization of photically evoked after-discharge activity: control procedures and effects of classical trace conditioning. Bigler ED, et al. **Behav Biol** 16(4):425–37, Apr 76
Bilateral memory for monocular one-trial passive avoidance in chicks. Greif KF. **Behav Biol** 16(4):453–62, Apr 76

Perception of total reflection by Barbus. Moody MI. **Behav Biol** 15(2):239–43, Oct 75

Reinforcing properties belonging to different rates of intermittent light for the newly hatched chick. Simner ML. **Behav Biol** 15(2):225–30, Oct 75

Cerebral lateralization and spatial ability. Levy J. **Behav Genet** 6(2):171–88, Apr 76

The orientation of flies towards visual patterns: on the search for the underlying functional interactions. Geiger G, et al. **Biol Cybern** 19(1):39–54, 1 Aug 75

Neurontropy, an entropy-like measure of neural correlation, in binocular fusion and rivalry. Julesz B, et al. **Biol Cybern** 23(1):25–32, 18 Jun 76

The neural transfer characteristic (neurontropy) for binocular stochastic stimulation. Tyler CW, et al. **Biol Cybern** 23(1):33–7, 18 Jun 76

Electrophysiologic analysis of regional cortical maturation. Vaughan HG Jr. **Biol Psychiatry** 10(5):513–26, Oct 75

Effects of warning-signal modality on the contingent negative variation (CNV). Gaillard AW. **Biol Psychol** 4(2):139–54, Jun 76

Selective attention and evoked potentials in humans—a critical review. Näätänen R. **Biol Psychol** 2(4):237–307, May 75

Laminar thermocoagulation of the visual cortex in the rat. II. Visual pattern discrimination. Levey NH, et al. **Brain Behav Evol** 11(5–6):275–321, 1975

Spatial and temporal organization of the binocular input to frog optic tectum. Raybourn MS. **Brain Behav Evol** 11(3–4):161–78, 1975

Defects of immediate memory in Broca's and conduction aphasia. Heilman KM, et al. **Brain Lang** 3(2):201–8, Apr 76

Lexical decisions in the right and left cerebral hemispheres. Leiber L. **Brain Lang** 3(3):443–50, Jul 76

Afferents to the vestibulo-cerebellum and the origin of the visual climbing fibers in the rabbit. Alley K, et al. **Brain Res** 98(3):582–9, 21 Nov 75

The dorsomedial cortical visual area: a third tier area in the occipital lobe of the owl monkey (Aotus trivirgatus). Allman JM, et al. **Brain Res** 100(3):473–87, 26 Dec 75

Visual receptive fields in the lateral suprasylvian area (Clare-Bishop area) of the cat. Camarda R, et al. **Brain Res** 101(3):427–43, 23 Jan 76

Changes of visual evoked responses to geniculate stimuli during light conditioning in the cat. Cherubini E, et al. **Brain Res** 105(3):578–82, 9 Apr 76

Direction-selective units in the rabbit's nucleus of the optic tract. Collewijn H. **Brain Res** 100(3):489–508, 26 Dec 75

Visual response pattern of thalamic neurons in the pigeon. De Britto LR, et al. **Brain Res** 97(2):337–43, 31 Oct 75

Role of proprioceptive data in performance of a complex visuomotor tracking task. Eidelberg E, et al. **Brain Res** 105(3):588–90, 9 Apr 76

Role of the dorsal funiculi in movement control. Eidelberg E, et al. **Brain Res** 114(3):427–38, 24 Sep 76

Meridional differences in orientation sensitivity in monkey striate cortex. Finlay BL, et al. **Brain Res** 105(2):350–2, 26 Mar 76

Effects of stroboscopic rearing on the binocularity and directionality of cat superior colliculus neurons. Flandrin JM, et al. **Brain Res** 101(3):576–81, 23 Jan 76

Evidence of differential inhibitory influences on X- and Y-type relay cells in the cat's lateral geniculate nucleus. Fukuda Y, et al. **Brain Res** 113(1):188–96, 20 AUG 76

Patterned responses from widefield T2 neurones in the fish tectum. Guthrie DM, et al. **Brain Res** 104(2):321–4, 12 Mar 76

Early and permanent effects of monocular deprivation on pattern discrimination and visuomotor behavior in cats. Hof-Van Duin JV. **Brain Res** 111(2):261–76, 30 Jul 76

Retinal input to direction selective cells in the nucleus tractus opticus of the cat. Hoffmann KP, et al. **Brain Res** 99(2):359–66, 5 Dec 75

Visual receptive field types in the nucleus dorsolateralis anterior of the pigeon's thalamus. Jassik-Gerschenfeld D, et al. **Brain Res** 108(2):295–306, 28 May 76

Visual cortical neurons influenced by the oculomotor input: characterization of their receptive field properties. Kasamatsu T. **Brain Res** 113(2):271–92, 27 Aug 76

Cortical blindness after overlapping retinal-striate lesions: a limit to plasticity in the central visual system. Keating EG, et al. **Brain Res** 101(2):327–39, 16 Jan 76

Effects of tectal lesions on peripheral field vision in the monkey. Keating EG. **Brain Res** 104(2):316–20, 12 Mar 76

Asymmetry of motility of the eyes and change of binocular properties of cortical cells in adult cats. Maffei L, et al. **Brain Res** 105(1):73–8, 19 Mar 76

Correlation of receptive field properties of monkey LGN cells with the conduction velocity of retinal afferent input. Marrocco RT, et al. **Brain Res** 92(1):137–44, 4 Jul 75

Prefrontal unit activity and delayed response: relation to cue location versus direction of response. Niki H, et al. **Brain Res** 105(1):79–88, 19 Mar 76

Visual receptive fields of single striate corical units projecting to the superior colliculus in the cat. Palmer LA, et al. **Brain Res** 67(1):27–42, 15 Feb 74

Receptive field properties of single units in the opossum striate cortex. Rocha-Miranda CE, et al. **Brain Res** 104(2):197–219, 12 Mar 76

Recovery of depressed superior colliculus activity in neodecorticate opossum through the destruction of the contralateral superior colliculus. Saraiva PE, et al. **Brain Res** 112(1):168–75, 6 Aug 76

Brief monocular visual experience and kitten cortical binocularity. Schechter PB, et al. **Brain Res** 109(1):165–8, 4 Jun 76

Short-term response variability of monkey striate neurons. Schiller PH, et al. **Brain Res** 105(2):347–9, 26 Mar 76

Size and distribution of movement fields in the monkey superior colliculus. Sparks DL, et al. **Brain Res** 113(1):21–34, 20 AUG 76

A model of an early 'off' response in frog optic tectum. Stevens RJ. **Brain Res** 67(1):51–63, 15 Feb 74

Reaction time to square-wave gratings as a function of spatial frequency, complexity and contrast. Tartaglione A, et al. **Brain Res** 100(1):111–20, 12 Dec 75

Interhemispheric communication between extraoccipital visual areas in the monkey. Tieman SB, et al. **Brain Res** 67(2):279–97, 22 Feb 74

A late component of flash-evoked potentials in the cat's optic chiasma and superior colliculus: its appearance due to background illumination. Uramoto I. **Brain Res** 98(2):303–10, 14 Nov 75

Morphology and physiology of visual callosal axons: evidence for a supernormal period in central myelinated axons. Waxman SG, et al. **Brain Res** 113(1):179–87, 20 AUG 76

Receptive fields of single cells in the visual cortex of the hooded rat. Wiesenfeld Z, et al. **Brain Res** 94(3):401–12, 5 Sep 75

Visual discrimination between spatially separated stimuli by cats with lesions of the superior colliculus-pretectum. Winterkorn JM. **Brain Res** 100(3):523–41, 26 Dec 75

Temporal sequence of frequency specific and nonspecific effects of flickering lights upon the occipital electrical activity in man. Yaguchi K, et al. **Brain Res** 107(1):27–38, 30 Apr 76

Incidence of laterality effects in mandibular and manual performance of dichoptic visual pursuit tracking. MacNeilage PF, et al. **Cortex** 11(3):251–8, Sep 75

Recognition thresholds in the central and lateral visual fields following temporal lobectomy. Rosenthal LS, et al. **Cortex** 11(3):217–29, Sep 75

Development of visually evoked responses and visually guided behavior in kittens: effects of superior colliculus and lateral geniculate lesions. Atwell CW, et al. **Dev Psychobiol** 8(5):465–78, Sep 75

Rapid changes in cerebral blood flow and initial visual experience in the developing chick. Bondy SC, et al. **Dev Psychobiol** 9(1):31–8, Jan 76

The influence of incubatory photic stimuli on chicks' visual intensity preference for approach behavior. Metcalfe J. **Dev Psychobiol** 9(1):49–55, Jan 76

Amplitude changes in the visual evoked cortical potential with backward masking. Andreassi JL, et al. **Electroencephalogr Clin Neurophysiol** 41(4):387–98, Oct 76

Proceedings: System's analysis of simultaneously recorded visual evoked potentials in the cat brain. Basar E, et al. **Electroencephalogr Clin Neurophysiol** 39(5):534, Nov 75

Harmonic composition and topographic distribution of responses to sine wave modulated light (SML), their reproducibility and their interhemispheric relationship. Donker DN. **Electroencephalogr Clin Neurophysiol** 39(6):561–74, Dec 75

Visual evoked potentials during the development of a spiking cobalt focus in rat neocortex. Finch DM, et al. **Electroencephalogr Clin Neurophysiol** 41(2):137–52, Aug 76

Proceedings: The analysis of visual evoked potential components. Kačer O, et al. **Electroencephalogr Clin Neurophysiol** 39(5):546, Nov 75

The dimensionality of the human visual evoked scalp potential. Kavanagh RN, et al. **Electroencephalogr Clin Neurophysiol** 40(6):633–44, Jun 76

Asymmetries in the flash evoked response following unilateral electro-convulsive therapy. Kriss A, et al. **Electroencephalogr Clin Neurophysiol** 39(4):430, Oct 75

Proceedings: Visual evoked responses (VERs) to geometric shapes. Purves SJ, et al. **Electroencephalogr Clin Neurophysiol** 39(4):434, Oct 75

Latencies of evoked potentials to flicker and to pattern speedily estimated by simultaneous method. Regan D. **Electroencephalogr Clin Neurophysiol** 40(6):654–60, Jun 76

Dependence of reward contingent positive variation (RCPV) and cortical synchronization on visual input in the cat. Rick JH, et al. **Electroencephalogr Clin Neurophysiol** 41(3):301–9, Sep 76

The scalp topography of potentials associated with missing visual or auditory stimuli. Simson R, et al. **Electroencephalogr Clin Neurophysiol** 40(1):33–42, Jan 76

Proceedings: Relationships between spectral profiles of backgroung EEG and latencies of the human visual evoked potential (VEP). Tracy ML, et al. **Electroencephalogr Clin Neurophysiol** 39(4):434, Oct 75

Biological signal detection by the autocorrelogram and a recurrence frequency method. Vastola EF. **Electroencephalogr Clin Neurophysiol** 40(1):89–96, Jan 76

The EEG response to repetitive photic stimulation in various regions of the chicken brain. Yano J. **Electroencephalogr Clin Neurophysiol** 40(3):244–52, Mar 76

A quantitative study of the projection area of the central and the paracentral visual field in area 17 of the cat. II. The spatial organization of the orientation domain. Albus K. **Exp Brain Res** 24(2):181–202, 22 Dec 75

A quantitative study of the projection area of the central and the paracentral visual field in area 17 of the cat. I. The precision of the topography. Albus K. **Exp Brain Res** 24(2):159–79, 22 Dec 75

Influence of saccadic eye movements on geniculostriate excitability in normal monkeys. Bartlett JR, et al. **Exp Brain Res** 25:487–509, 28Jul 76

The effect of area and intensity on the response of cat retinal ganglion cells to brief light flashes. Büttner U, et al. **Exp Brain Res** 23(3):259–78, 29 Sep 75

Receptive fields of cells in the superficial layers of the cat's area 17. Camarda R, et al. **Exp Brain Res** 24(4):423–7, 26 Feb 76

The Aubert-Fleischl phenomenon: a temporal frequency effect on perceived velocity in afferent motion perception. Dichgans J, et al. **Exp Brain Res** 23(5):529–33, 14 Nov 75

Neurons with visual receptive field, eye movement and neck displacement sensitivity within and around the nucleus prepositus hypoglossi in the alert cat. Gresty M, et al. **Exp Brain Res** 24(4):429–33, 26 Feb 76

The integrative role of the intralaminar system of the thalamus in visual orientation and perception in the cat. Hunsperger RW, et al. **Exp Brain Res** 25(3):231–46, 18 Jun 76

Temporal frequency characteristics of spatial interaction in human vision. Magnussen S, et al. **Exp Brain Res** 23(5):519–28, 14 Nov 75

Responses of cells in the dorsal lateral geniculate complex of the cat to textured visual stimuli. Mason R. **Exp Brain Res** 25(3):323–6, 18 Jun 76

Behavioural compensation of cats after early rotation of one eye. Mitchell DE, et al. **Exp Brain Res** 25(1):109–13, 10 May 76

Influence of apparent head position on optokinetic nystagmus and eye posture. Teixeira RA, et al. **Exp Brain Res** 24(4):435–9, 26 Feb 76

Effects of frontal eye field stimulation upon activities of the lateral geniculate body of the cat. Tsumoto T, et al. **Exp Brain Res** 25(3):291–306, 18 Jun 76

Eye rotation in developing kittens: the effect on ocular dominance and receptive field organization of cortical cells. Yinon U. **Exp Brain Res** 24(2):215–8, 22 Dec 75

Effects of hunger on the responses of neurons in the lateral hypothalamus to the sight and taste of food. Burton MJ, et al. **Exp Neurol** 51(3):668–77, Jun 76

Visually evoked potential from specific and nonspecific cortex in kitten. Glass JD, et al. **Exp Neurol** 51(2):510–4, May 76

Visual discrimination following infant and adult ablation of cortical areas 17, 18, and 19 in the cat. Murphy EH, et al. **Exp Neurol** 49(2):386–405, Nov 75

Effects of visual attention on the intensity of auditory evoked potentials. Oatman LC. **Exp Neurol** 51(1):41–53, Apr 76

Photically evoked responses from the visual cortex of rats reared under continuous illumination. Parnavelas JG. **Exp Neurol** 52(1):110–8, Jul 76

Effect of electrical stimulation of the brain on visually controlled (attentive) behavior in Macaca mulatta. Pragay EB, et al. **Exp Neurol** 49(1 Pt 1):203–20, Oct 75

Visual processing in the split-brain cat: analysis of the single-hemisphere deficit. Robinson JS. **Exp Neurol** 49(1 Pt 1):140–9, Oct 75

Behavioral and electrophysiological changes in visual sensitivity following prolonged exposure to constant light. Weizenbaum F, et al. **Exp Neurol** 48(3 Pt 1):440–6, Sep 75

Central mechanisms of vision: parallel processing. Dow BM. **Fed Proc** 35(1):54–9, Jan 76

The effect of motor-response-deprivation on contingent negative variation (CNV). II. Information of the warning stimulus. Nakamura M, et al. **Folia Psychiatr Neurol Jpn** 30(1):11–7, 1976

Abnormal EEG and visual reaction time. Yamada H, et al. **Fukuoka Acta Med** 67(3):90–101, Mar 76

Cerebellar learning control of vestibulo-ocular mechanisms. pp. 1–22. Ito M.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974. (64 ref.)

Signal preprocessing in visual systems and its relevance to pattern recognition. pp. 261–75. Zeevi YY, et al.
In: Inbar GF, ed. Signal analysis and pattern recognition in biomedical engineering. New York, Wiley, 1975. QT 34 I685s 1974.

Negative emotions and perception. pp. 405–20. Kostandov EA.
In: Levi L, ed. Emotions: their parameters and measurement. New York, Raven Press, 1975. WL 102 E54 1975.

Are there modifiable synapses in the visual cortex? PP. 133–43. Cowan JD.
In: Rosenzweig MR, Bennett EL, ed. Neural mechanisms of learning and memory. Cambridge, Mass., MIT Press, 1976. WL 102 N4933 1974.

Triggered and guided components of visual reaching. Their dissociation in split-brain studies. pp. 333–47. Paillard J, et al.
In: Shahani M, ed. The motor system: neurophysiology and muscle mechanisms. Amsterdam, Elsevier, 1976. WE 102 M919 1974.

A current view of the processes and mechanisms of prism adaptation. pp. 125–37. Craske B.
In: Vital-Durand F, Jeannerod M, ed. Aspects of neural plasticity. Paris, INSERM, 1975. WL 101 A836 1975. (59 ref.)

A comparison of interhemispheric transmission times as measured by verbal and manual reaction time. Kleinman

KM, et al. **Int J Neurosci** 6(6):285–8, 1976

Visual localization and discrimination in squirrel monkeys with bilateral lesions of the superior colliculus. Vetter RJ. **Int J Neurosci** 6(5):215–21, 1975

Alpha rhythm during three conditions of visual imagery and emergent uncovering psychotherapy: the critical role of anxiety. Morishige H, et al. **J Abnorm Psychol** 84(5):531–8, Oct 75

Functional role of efferents to the avian retina. I. Analysis of retinal ganglion cell receptive fields. Pearlman AL, et al. **J Comp Neurol** 166(1):111–22, 1 Mar 76

Functional organization in the superior colliculus of the golden hamster. Tiao YC, et al. **J Comp Neurol** 168(4):483–503, 15 Aug 76

Functional organization in the visual cortex of the golden hamster. Tiao YC, et al. **J Comp Neurol** 168(4):459–81, 15 Aug 76

Behavioral study of the visual cortex of Galago senegalensis. Atencio FW, et al. **J Comp Physiol Psychol** 89(10):1109–35, Dec 75

Effects of serial unilateral and serial bilateral visual cortex lesions on brightness discrimination relearning in rats. Barbas H, et al. **J Comp Physiol Psychol** 90(3):279–92, Mar 76

Delayed-matching and delayed-response deficit from cooling dorsolateral prefrontal cortex in monkeys. Bauer RH, et al. **J Comp Physiol Psychol** 90(3):293–302, Mar 76

Scotopic sensitivity in coyotes (Canis latrans). Horn SW, et al. **J Comp Physiol Psychol** 89(9):1070–6, Nov 75

Neutralization of sensory-input modification of seizure thresholds in rats. Kramer MS, et al. **J Comp Physiol Psychol** 90(3):268–78, Mar 76

Visual stimulation: effects on vestibular habituation. Preciado MC, et al. **J Comp Physiol Psychol** 89(10):1149–53, Dec 75

Modification of the pigeon's visual startle reaction by the sensory environment. Stitt CL, et al. **J Comp Physiol Psychol** 90(7):601–19, Jul 76

Combination rules for inhibitory stimuli. Ison JR, et al. **J Exp Psychol [Anim Behav]** 1(4):318–25, Oct 75

Hemisphere differences in the effects of cuing in visual recognition tasks. Cohen C. **J Exp Psychol [Hum Percept]** 1(4):366–73, Nov 75

Allocation of attention and the locus of adaptation to displaced vision. Kelso JA, et al. **J Exp Psychol [Hum Percept]** 1(3):237–45, Aug 75

Visual reaction times during prolonged angular acceleration parallel the subjective perception of rotation. Mattson DL. **J Exp Psychol [Hum Percept]** 1(4):404–10, Nov 75

Receiver operating characteristic analysis. Application to the study of quantum fluctuation effects in optic nerve of Rana pipiens. Cohn TE, et al. **J Gen Physiol** 66(5):583–616, Nov 75

Cognitive and nonverbal perceptual processing in dyslexics. Stanley G, et al. **J Gen Psychol** 93(First Half):67–72, Jul 75

Visual short-term memory and aging. Adamowicz JK. **J Gerontol** 31(1):39–46, Jan 76

On the organization of memeory in the optomotor system of the crab Pachygrapsus crassipes. Wiersma CA, et al. **J Neurobiol** 6(1):115–23, Jan 75

Visual receptive-field properties of cells in area 18 of cat's cerebral cortex before and after acute lesions in area 17. Dreher B, et al. **J Neurophysiol** 38(4):735–50, Jul 75

Effects of early binocular deprivation on visual input to cat superior colliculus. Hoffmann KP, et al. **J Neurophysiol** 38(5):1049–59, Sep 75

'Stimulus generalization' between differentiated visual, auditory, and central stimuli. John ER, et al. **J Neurophysiol** 38(4):1015–34, Jul 75

Organization of cat striate cortex: a correlation of receptive-field properties with afferent and efferent connections. Singer W, et al. **J Neurophysiol** 38(5):1080–98, Sep 75

Cat parastriate cortex: a primary or secondary visual area. Tretter F, et al. **J Neurophysiol** 38(5):1099–1113, Sep 75

Comparison of visual and tactile learning in octopus after lesions to one of the two memory systems. Bradley EA, et al. **J Neurosci Res** 1(3–4):185–205, 1975

An adrenergic mechanism for visual neuroregulation. Coppola RJ, et al. **J Neurosci Res** 1(3–4):235–42, 1975

Theory of spatial-frequency filtering by the human visual system. II. Performance limited by video noise. Schnitzler AD. **J Opt Soc Am** 66(6):617–25, Jun 76

Theory of spatial-frequency filtering by the human visual system. I. Performance limited by quantum noise. Schnitzler AD. **J Opt Soc Am** 66(6):608–17, Jun 76

Effect of cognitive appraisal on d' and response bias to experimental stress. Neufeld RWJ. **J Pers Soc Psychol** 31(4):735–43, Apr 75

Proceedings: Paradoxical reversal of lateralization of the half-field pattern-evoked response with monopolar and bipolar electrode montages. Barrett G, et al. **J Physiol (Lond)** 258(2):63P–64P, Jun 76

Vulnerability of spatial frequency channels in cerebral lesions. Bodis-Wollner I. **Nature** 261(5558):309–11, 27 May 76

Androgen-sensitive midbrain sites and visual attention in chicks. Meyer CC, et al. **Nature** 259(5545):689–90, 26 Feb 76

Eccentricity-specific dissociation of visual functions in patients with lesions of the central visual pathways. Pöppel E, et al. **Nature** 256(5517):489–90, 7 Aug 75

Inhibitory binocular interaction in human vision and a possible mechanism subserving stereoscopic fusion Ruddock KH, et al. **Nature** 260(5552):604–6, 15Apr 76

Real-time delayed tracking in flies. Wehrhan C, et al. **Nature** 261(5555):43–4, 6 May 76

Visual attention in split-brain monkeys. Wright JJ, et al. **Nature** 261(5561):580–1, 17 Jun 76

Evidence for visual function mediated by anomalous projection in goldfish. Yager D, et al. **Nature** 256(5517):490–1, 7 Aug 75

Comparison between some biological clocks regulating sensory and psychomotor aspects of perception in man. Lovett Doust JW, et al. **Neuropsychobiology** 1(5):261–6, 1975

Effects of ablations of the superior colliculi on spectral sensitivity in monkeys. Cardu B, et al. **Neuropsychologia** 13(3):297–306, Sep 75

Visual hemisfield effects in dichoptic presentation of digits. Carmon A, et al. **Neuropsychologia** 13(3):289–95, Sep 75

Unilateral cerebral activation and perception of gaps: a signal detection analysis. Gardner EB, et al. **Neuropsychologia** 14(1):43–53, 1976

Effects of dorsolateral frontal cortical ablations on stimulus equivalence and transposition in monkeys. Kamback MC, et al. **Neuropsychologia** 13(3):307–13, Sep 75

Verbal and non-verbal memory components in the Token Test. Lesser R. **Neuropsychologia** 14(1):79–85, 1976

Hemispheric differences in the discrimination of curvature. Longden K, et al. **Neuropsychologia** 14(2):195–202, 1976

Lateral specialization for recognition of words and faces in good and poor readers. Marcel T, et al. **Neuropsychologia** 13(4):489–97, Oct 75

Tactile and visuo-spatial discrimination performance in the monkey: the effects of total and partial posterior parietal removals. Ridley RM, et al. **Neuropsychologia** 13(2):191–206, Apr 75

Visual attention and inferotemporal cortex in rhesus monkeys. Soper HV, et al. **Neuropsychologia** 13(4):409–19, Oct 75

Intra- and interhemispheric visual-motor control of human arm movements. Van Der Staak C. **Neuropsychologia** 13(4):439–48, Oct 75

Auditory and visual discrimination following lesions of the anterior supratemporal plane in monkeys. Wegener JG. **Neuropsychologia** 14(2):161–73, 1976

The influence of discriminations on the form of the contingent negative variation. Weinberg H, et al. **Neuropsychologia** 14(1):87–95, 1976

Some tests of intermodality transfer of intensity in squirrel monkeys. Wilson WA Jr, et al. **Neuropsychologia** 14(2):237–41, 1976

Visual orientation, perception, and discrimination after lesions in the tectal visual system. **Neurosci Res Program Bull** 13(2):251, May 75

Role of the cortex in the visual orientation of the African lemur (Galago). Diamond IT. **Neurosci Res Program Bull** 13(2):254, May 75

Sensorimotor transformation in rabbits and cats. Schaefer KP. **Neurosci Res Program Bull** 13(2):235–8, May 75

Sensorimotor transformation in the tectum of the macaque. Schiller PH, et al. **Neurosci Res Program Bull** 13(2):226–8, May 75

Midbrain perceptual functions in man. Trevarthen C. **Neurosci Res Program Bull** 13(2):244–50, May 75

Sensorimotor transformation and selective attention in the macaque. Wurtz RH. **Neurosci Res Program Bull** 13(2):228–35, May 75

Directional scanning and cerebral asymmetries in processing visual stimuli. Aaron PG, et al. **Percept Mot Skills** 40(3):719–25, Jun 75

Visual significance of pupillary response to an auditory task. Berthold HC, et al. **Percept Mot Skills** 41(3):821–2, Dec 75

Interocular transfer and type of motivation. Bird DC, et al. **Percept Mot Skills** 42(2):554, Apr 76

Learning disabilities and central nervous system involvement. Brook RM. **Percept Mot Skills** 42(2):397–8, Apr 76

Superiority of recognition over detection in judgments of visual orientation. Doehrman S. **Percept Mot Skills** 41(1):179–84, Aug 75

Integration of post-exposural directional scanning and cerebral dominance explanations of lateral differences in trachistoscopic recognition. Fudin R, et al. **Percept Mot Skills** 42(2):355–9, Apr 76

Exercise-produced arousal, film-induced arousal and attribution of internal state. Girodo M, et al. **Percept Mot Skills** 42(3):931–5, Jun 76

Interhemispheric EEG activity in normal and aphasic adults. Haaland KY, et al. **Percept Mot Skills** 42(3):827–33, Jun 76

Effects of hypoxia on peripheral visual response to dim stimuli. Kobrick JL. **Percept Mot Skills** 41(2):467–74, Oct 75

Effects of prior hypoxia exposure on visual target detection during later more severe hypoxia. Kobrick JL. **Percept Mot Skills** 42(3):751–61, Jun 76

Eye color and responsiveness to arousing stimuli. Markle A. **Percept Mot Skills** 43(1):127–33, Aug 76

Developmental study of human visual and auditory evoked responses. Miyazaki M, et al. **Percept Mot Skills** 41(2):595–8, Oct 75

Target size and luminance in apparent brightness of the peripheral visual field. Osaka N. **Percept Mot Skills** 41(1):49–50, Aug 75

Eye dominance by dissociation on the Keystone Telebinocular. Palmer LL. **Percept Mot Skills** 42(2):370, Apr 76

Monocular acquisition and interocular transfer in albino guinea pigs as mediated by ipsi- or contralateral fiber systems. Riffle DW, et al. **Percept Mot Skills** 42(1):181–2, Feb 76

Relationship between pulse pressure, arteriosclerosis, and a visual reversal phenomenon. Solonevich R, et al. **Percept Mot Skills** 41(3):939–49, Dec 75

Hypothalamic influences on sensory reinforcement. Ackil JE, et al. **Physiol Behav** 14(2):133–42, Feb 75

Role of the tongue and senses in feeding of naive and experienced garter snakes. Burghardt GM, et al. **Physiol Behav** 14(2):185–94, Feb 75

Technique to prevent corneal drying in the rabbit. Choudhury BP. **Physiol Behav** 16(2):231–2, Feb 76

An automated apparatus for the determination of visual thresholds in turtles. Maxwell JH, et al. **Physiol Behav** 15(1):131–2, Jul 75

Hyperactivity and deficits in problem solving following superior colliculus lesions in the rat. Smith CJ, et al. **Physiol Behav** 16(4):381–5, Apr 76

Single cell recordings from the visual cortex of a computer. Tolkmitt FJ, et al. **Psychol Res** 38(1):65–80, 30 Sep 75

The two-transient (masking) paradigm. Matin E. **Psychol Rev** 82(6):451–61, Nov 75

The effects of stress on components of the respiration cycle. Cohen HD, et al. **Psychophysiology** 12(4):377–80, Jul 75

Eye movements and visually active dreams. Firth H, et al. **Psychophysiology** 12(5):602–6, Sep 75

Daytime visual load and the effects upon human sleep. Horne JA, et al. **Psychophysiology** 13(2):115–20, Mar 76

Autonomic responses to affective visual stimuli. Klorman R, et al. **Psychophysiology** 12(5):553–60, Sep 75

Multivariate visual evoked response correlates of intelligence. Perry NW Jr, et al. **Psychophysiology** 13(4):323–9, Jul 76

Average evoked potential changes as a function of processing complexity. Poon LW, et al. **Psychophysiology** 13(1):43–9, Jan 76

Does the averaged evoked response encode subliminal perception? Schwartz M, et al. **Psychophysiology** 12(4):390–4, Jul 75

Does the averaged evoked response encode subliminal perception? Yes. A reply to Schwartz and Rem. Shevrin H. **Psychophysiology** 12(4):395–8, Jul 75

Methodology—a factor analysis of visual evoked responses. Street WJ, et al. **Psychophysiology** 13(4):352–6, Jul 76

Location and distance estimates by blind and sighted children. Hermelin B, et al. **Q J Exp Psychol** 27(2):295–301, May 75

Sensitive period for the development of human binocular vision. Banks MS, et al. **Science** 190(4215):675–7, 14 Nov 75

Abnormal visual resolution in the Siamese cat. Blake R, et al. **Science** 194(4260):109–10, 1 Oct 76

Loss of X-cells in lateral geniculate nucleus with monocular paralysis: neural plasticity in the adult cat. Brown DL, et al. **Science** 189(4207):1011–2, 19 Sep 75

Binocular vision: two possible central interactions between signals from two eyes. Cohn TE, et al. **Science** 192(4239):561–3, 7 May 76

Responses of infants to visually presented objects. Dodwell PC, et al. **Science** 194(4261):209–11, 8 Oct 76

Receptive field development and individual experience. Grobstein P, et al. **Science** 190(4212):352–8, 24 Oct 75

Cross-modal matching and the primate frontal cortex. Petrides M, et al. **Science** 192(4243):1023–4, 4 Jun 76

Neurons selective for orientation and binocular disparity in the visual Wulst of the barn owl (Tyto alba). Pettigrew JD, et al. **Science** 193(4254):675–8, 20 Aug 76

Stable and plastic unit discharge patterns during behavioral generalization. Ramos A, et al. **Science** 192(4237):393–6, 23 Apr 76

The Sixth Annual Foster Elting Bennett Memorial Lecture. The physiology of visual perception and behavior. Denny-Brown D. **Trans Am Neurol Assoc** 100:118–31, 1975

A functional analysis of cortical motor sensory convergence areas in the monkey. Schwartzman RJ, et al. **Trans Am Neurol Assoc** 100:114–7, 1975

Alterations of the human vestibulo-ocular reflex in a simulated dive at 62 ATA. Gauthier GM. **Undersea Biomed Res** 3(2):103–12, Jun 76

Sensitivity to spatial frequency and contrast of visual cells in the cat superior colliculus. Bisti S, et al. **Vision Res** 16(3):247–51, 1976

Contrast additivity: an alternative approach. Lodge H. **Vision Res** 16(3):263–8, 1976

The role of chemical and visual stimuli in the preferential discrimination of young by the cichlid fish cicblasoma nigrofasciatum (günther). Myrberg AA Jr. **Z Tierpsychol** 37(3):274–97, Apr 75

[Optical ataxia: a visuo-motor incoordination (author's transl)] Rondot P, et al. **Brain Res** 71(2–3):367–75, 17 May 74 (Eng. Abstr.) **(Fre)**

[Evolution of visual evoked responses during various states of vigilance in Papio papio (author's transl)] Vuillon-Cacciuttolo G, et al. **Brain Res** 100(3):509–21, 26 Dec 75 (Eng. Abstr.) **(Fre)**

[Neurobehavioral study of colliculectomized monkeys] Ptito M, et al. **Cortex** 12(2):88–99, Jun 76 (Eng. Abstr.) **(Fre)**

[Vsiual evoked potentials and excitability cycle during simulated diving at –610 m in oxygen-helium atmosphere (Physalie VI)] Rostain JC, et al. **Electroencephalogr Clin Neurophysiol** 41(3):287–300, Sep

76 (Eng. Abstr.) (Fre)
[Monocular or binocular visual fields and precision of pointing in the 'split-brain' monkey] Beaubaton D, et al. **Neuropsychologia** 13(3):369–72, Sep 75 (Fre)
[Cerebellum and photosensitive epilepsy in Papio papio: effects of cerebellar lesions on photosensitivity and visual evoked potentials] Brailowsky S, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):247–51, Jul–Sep 75 (Fre)
[Significance of electroclinical correlations during visual attacks registered by tele-EEG] Geier S, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(4):355–9, Oct–Dec 73 (Fre)
[Cortical organisation and the experience: electrophysiological properties of cells of the visual cortex and the visual experience] Imbert M, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(2):156–67, Apr–Jun 75 (Fre)
[Quantitative architectonic variations in the visual cortex of mice following varying light exposure of the visual organ] Egert M. **J Hirnforsch** 16(1):15–36, 1975 (Eng. Abstr.) (Ger)
[Electroencephalographic observations in a patient with epileptic photomas] Holzbach E. **Nervenarzt** 46(8):475–8, Aug 75 (Ger)
[EEG activity pattern, eye movements, eyeblink rate, and heart rate in visual information processing] Otto E, et al. **Z Psychol** 182(3):284–306, 1974 (Eng. Abstr.) (Ger)
[Measuring of man at visual inspection task with psychophysiological responses (author's transl)] Nakaseko M, et al. **Jpn J Hyg** 30(2):315–22, Jun 75 (Eng. Abstr.) (Jpn)
[Work of the human visual system. I. Adequate visual stimulus] Iarbus AL. **Biofizika** 20(5):916–9, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Characteristics of the potentials evoked in the pigeon hyperstriatum by visual stimulation] Morenkov ED, et al. **Biol Nauki** (12):53–7, 1975 (Rus)
[Relation of perceived lattices of different spatial frequency to the speed of their movement in the human visual system] Dudkin KN, et al. **Dokl Akad Nauk SSSR** 228(1):236–8, May–Jun 76 (Rus)
[Responses of directionally sensitive neurons of the frog midbrain tectum, their adaptation and extrapolation responses] Aleinikova TV, et al. **Fiziol Zh SSSR** 62(2):182–8, Feb 76 (Eng. Abstr.) (Rus)
[Oculomotor reactions during simultaneous stimulation of vestibular and visual receptors] Balashova EG. **Fiziol Zh SSSR** 61(7):1072–6, Jun 75 (Rus)
[Interhemispheric relations of the cat visual cortex following unilateral polarization of the secondary visual area] Bianki VL, et al. **Fiziol Zh SSSR** 61(9):1281–96, Sep 75 (Eng. Abstr.) (Rus)
[Distribution patterns of visual cortex neurons with different response variability] Chebkasov SA, et al. **Fiziol Zh SSSR** 62(3):468–70, Mar 76 (Rus)
[Spread of excitation along the chain neurons of the frog tectum opticum in response to presentation of different visual stimuli] Kogan AB, et al. **Fiziol Zh SSSR** 62(3):356–61, Mar 76 (Eng. Abstr.) (Rus)
[Interrelation of visual and auditory analyzer functions during extreme stimulation] D'iakonov IF, et al. **Kosm Biol Aviakosm Med** 9(6):61–5, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Reactions of the neurons of the anterior and posterior regions of the hypothalamus to light stimulation and stimulation of the splanchnic and sciatic nerves] Baklavadzhian OG, et al. **Neirofiziologiia** 8(3):276–82, 1976 (Eng. Abstr.) (Rus)
[Reflection of temporal parameters of an optic stimulus in neuronal responses of the senso-motor and visual cortex in cats] Batuev AS, et al. **Neirofiziologiia** 7(4):265–71, 1975 (Eng. Abstr.) (Rus)
[Morpho-functional changes in the tegmentum mesencephali of turtles following enucleation] Boĭko VP, et al. **Neirofiziologiia** 7(2):172–7, 1975 (Rus)
[Types of receptive field in the external geniculate body and its functional model] Dudkin KN, et al. **Neirofiziologiia** 7(1):27–34, 1975 (Rus)
[Differences in the functional organization of the frog and cat visual centers] Mkrtycheva LI, et al. **Neirofiziologiia** 7(1):5–11, 1975 (Rus)
[Changes in the receptive fields of cat lateral geniculate body neurons following removal of corticofugal influence] Silakov VL. **Neirofiziologiia** 7(5):486–92, 1975 (Eng. Abstr.) (Rus)
[Statistical characteristics of the background and evoked activity of cat superior colliculus neurons] Syka I, et al. **Neirofiziologiia** 7(1):41–7, 1975 (Rus)
[Reactions of the neurons of the reticular and ventral anterior nuclei of the optic thalamus to afferent stimulation of different modalities] Voloshin MIa, et al. **Neirofiziologiia** 7(6):563–70, 1975 (Eng. Abstr.) (Rus)
[Organization of the receptive fields of the superior colliculus neurons of the squirrel Sciurus vulgaris] Mass AM. **Zh Evol Biokhim Fiziol** 12(3):272–9, May–Jun 76 (Eng. Abstr.) (Rus)
[Cortico-subcortical interrelationships in the visual analyzer system at various stages of ontogenesis] Beteleva TG, et al. **Zh Vyssh Nerv Deiat** 25(3):576–81, May–June 75 (Eng. Abstr.) (Rus)
[An analysis of interhemispheric interrelationships in the visual cortex of cats based on the law of contrast perception of light] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 25(5):1061–7, Sep–Oct 75 (Eng. Abstr.) (Rus)
[Bilateral mechanisms of interference resistance in the striate cortex] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 25(4):808–16, Jul–Aug 75 (Eng. Abstr.) (Rus)
[Direct and feedback temporary connections between unfamiliar visual stimuli] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 25(6):1172–80, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Hemispheric interaction in man during perception of visual stimuli] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 25(5):899–907, Sep–Oct 75 (Eng. Abstr.) (Rus)
[A change in the spontaneous and evoked activity of rabbit visual cortex neurons upon stimulation of different regions of the hypothalamus] Kozhechkin SN, et al. **Zh Vyssh Nerv Deiat** 25(6):1274–83, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Electrical reactions in the cat brain during differentiation of photic stimuli] Kratin IuG, et al. **Zh Vyssh Nerv Deiat** 25(6):1203–10, Nov–Dec 75 (Eng. Abstr.) (Rus)
[Functional heterogeneity of lateral geniculate body neurons in the rabbit] Lazareva NA, et al. **Zh Vyssh Nerv Deiat** 26(2):397–402, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Dynamics of visual association formation in man] Rumiantseva AG. **Zh Vyssh Nerv Deiat** 26(2):274–9, Mar–Apr 76 (Eng. Abstr.) (Rus)
[Sensory characteristics of the cortical input to the hippocampus: the entorhinal cortex] Stafekhina VS, et al. **Zh Vyssh Nerv Deiat** 25(1):119–27, Jan–Feb 75 (Eng. Abstr.) (Rus)
[Differential sensitivity of the kinesthetic and visual sensory system during complex motor activity in man] Vediaev FP, et al. **Zh Vyssh Nerv Deiat** 25(1):10–6, Jan–Feb 75 (Eng. Abstr.) (Rus)
[Electrocortical responses to light and human aging] Man'kovs'kyĭ MB, et al. **Fiziol Zh** 20(5):654–61, Sep–Oct 74 (Eng. Abstr.) (Ukr)

VITAL CAPACITY

Bronchoconstriction induced by repeated forced vital capacity manoeuvres. Roncoroni AJ, et al. **Acta Allergol (Kbh)** 30(6):375–89, Dec 75
Changes associated with quitting cigarette smoking: the Framingham Study. Gordon T, et al. **Am Heart J** 90(3):322–8, Sep 75
Vital capacity and one-second forced expiratory volume in Australian male asbestos cement workers. Balaam LN, et al. **Ann Occup Hyg** 18(2):133–41, Sep 75
Crying vital capacity. Measurement of neonatal lung function. Chiswick ML, et al. **Arch Dis Child** 51(1):22–7, Jan 76
Spirometric standards from 387 healthy New Zealand children. Liang A, et al. **Aust NZ J Med** 5(3):260–6, Jun 75
Spirometric values for normal Perth children aged six to twelve years. Morton AR, et al. **Aust NZ J Med** 6(1):51–7, Feb 76
Screening tests for pulmonary function abnormality. Miller A. **Environ Health Perspect** 11:243–6, Jun 75
Physiological and biochemical studies on the effect of yogic and certain other exercises. Udupa KN, et al. **Indian J Med Res** 63(4):620–4, Apr 75
Comparative physiological responses to a bicycle ergometer and a treadmill walking maximum capacity test. Taguchi S, et al. **J Hum Ergol (Tokyo)** 3(1):67–74, Sep 74
Vital capacity and one-second forced expiratory volume in Australian male factory workers. McCullagh SF, et al. **Med J Aust** 2(5):173–5, 2 Aug 75
Lung function and risk of myocardial infarction and sudden cardiac death. Friedman GD, et al. **N Engl J Med** 294(20):1071–5, 13 May 76
Letter: Vital capacity and myocardial-infarction risk. Leith DE. **N Engl J Med** 295(8):447, 19 Aug 76
[Comparative measurements of forced vital capacity and of forced expiratory volume (1.0 sec) using the spirostat and spirography in children (author's transl)] von der Hardt H, et al. **Pneumonologie** 151(3):207–15, 1975 (Ger)
[Pulmonary volume in adolescents aspiring at aeronautic activity] Rota P. **Minerva Med** 67(38):2456–61, 18 Aug 76 (Ita)
[Influence of age, body constitution and preoperative per cent vital capacity in 1 second on pulmonary function following upper abdominal surgery] Yoshikawa O, et al. **Jpn J Anesthesiol** 25(1):46–50, Jan 76 (Eng. Abstr.) (Jpn)

INSTRUMENTATION

[Comparative measurements of forced vital capacity and of forced expiratory volume (1.0 sec) using the spirostat and spirography in children (author's transl)] von der Hardt H, et al. **Pneumonologie** 151(3):207–15, 1975 (Ger)

VITAL STATISTICS

see related
BIOMETRY
POPULATION GROWTH
RECORDS
SEX RATIO

Definition of rates: some remarks on their use and misuse. Elandt-Johnson RC. **Am J Epidemiol** 102(4):267–71, Oct 75
On numerators, denominators, and virgules. Feinstein AR. **Ann Thorac Surg** 20(3):364–6, Sep 75
An improved life table method. Keyfitz N, et al. **Biometrics** 31(4):889–99, Dec 75
Policies of the Office of Population Censuses and Surveys. Philosophy and constraints. Adelstein AM. **Br J Prev Soc Med** 30(1):1–10, Mar 76
The construction of increment-decrement life tables: a comment on articles by R. Schoen and V. Nelson. Hoem JM. **Demography** 12(4):661–4, Nov 75
Report on matching procedures of a dual record system in the southern Philippines. Madigan FC, et al. **Demography** 13(3):381–95, Aug 76
Annual fertility rates from Census data on own children: comparisons with vital statistics data for the United States. Rindfuss RR. **Demography** 13(2):235–49, May 76
Inadequate census data on black nursing home patients. Wershow HJ. **Gerontologist** 16(1 Pt1):86–7, Feb 76
A comparison of local survey data and national health survey data. pp. 9–35. Monteiro LA. **In: Monteiro LA. Monitoring health status and medical care. Cambridge, Mass., Ballinger, 1976. WA 900 AR4 M7m 1976.**
Editorial: Born in Britain 1970. **Lancet** 1(7962):729–30, 3 Apr 76
23. The long-term care component of the Massachusetts Cooperative Health Statistics Program. Caso E, et al. **Med Care** 14(5 Suppl):185–90, May 76
21. The National Center for Health Statistics; long-term care surveys. Hoermann SA. **Med Care** 14(5 Suppl):173–7, May 76
Review of the conference proceedings. Murnaghan JH. **Med Care** 14(5 Suppl):1–25, May 76
Annual summary of vital statistics—1974. Wegman ME. **Pediatrics** 56(6):960–6, Dec 75
The complexity of compiling abortion statistics. Smith JC. **Public Health Rep** 90(6):501–3, Nov–Dec 75
A method of computing period rates of spinsterhood and childlessness from census data applied to the United States. Das Gupta P. **Soc Biol** 22(2):134–43, Summer 75
Reporting of suicide: Canadian statistics. Brown JH. **Suicide** 5(1):21–8, Spring 75
The analytical potential of NCHS data for health care systems. A report of the United States National Committee on Vital and Health Statistics. **Vital Health Stat** Series 4(17):1–26, Sep 75
Selected vital and health statistics in poverty and nonpoverty areas of 19 large cities; United States, 1969–71. Ventura SJ, et al. **Vital Health Stat** Series 21(26):1–63, Nov 75
Recent trends in health statistics. Linder FE. **WHO Chron** 30(2):58–63, Feb 76
[Statistics in the health services] Stach IJ. **Zdrav Aktual** (172):1–127, 1971 (Cze)
[Statistics, endogenous, and exogenous components of the vital function of dachshunds] Wegner W, et al. **Berl Munch Tieraerztl Wochenschr** 88(18):354–8, 15 Sep 75 (Eng. Abstr.) (Ger)
[The significance of the life-work of Emil Eugen Roesle (1875–1962) for the development of medical statistics in Germany] Marcusson E, et al. **Z Gesamte Hyg** 21(8):649–52, Aug 75 (Ger)
[Activities of the statistics and epidemiology sections of a health center] de Souza JM, et al. **Rev Saude Publica** 9(4):547–50, Dec 75 (Eng. Abstr.) (Por)
[Use of health statistics in the surveillance and evaluation of maternal health programs] pp. 28–32. Adams CJ. **In: Seminario sobre aspectos de enfermería-obstetricia en salud maternoinfantil y planificación de la familia. Washington, D. C., Organización Panamericana de la Salud, 1974. W1 PA443 no.291 1974.** (Spa)
[Main health statistics in Mexico] de la Loza Saldívar A, et al. **Salud Publica Mex** 17(1):7–29, Jan–Feb 75 (Eng. Abstr.) (Spa)
[Current data on population statistics] Biörck G. **Lakartidningen** 72(37):3422–6, 10 Sep 75 (Swe)

VITALISM

Vital actions and organic physics: Henri Dutrochet and French physiology during the 1820s. Pickstone JV. **Bull Hist Med** 50(2):191–212, Summer 76
Vitalism, the soul, and sensibility: the physiology of Théophile Bordeu. Haigh EL. **J Hist Med** 31(1):30–41, Jan 76

VITALLIUM see under **CHROMIUM-COBALT ALLOYS**

VITAMIN A

Aspects of teratology of vitamin A acid (beta-all-trans retinoic acid). DeLuca HF, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:13–20, 27–29 Jan 75
Round table on 'Hypovitaminosis A and its consequences in ophthalmology'. **Am J Clin Nutr** 29(7):803–5, Jul 76
Juvenile onset metachromatic leucodystrophy. Failure of response on a low vitamin A diet. Warner JO. **Arch Dis Child** 50(9):735–7, Sep 75
Molecular flow resonance Raman effect from retinal and rhodopsin. Callender RH, et al. **Biochemistry** 15(8):1621–9, 20 Apr 76
Binding affinities of retinol and related compounds to retinol binding proteins. Cogan U, et al. **Eur J Biochem** 65(1):71–8, 17 May 76

Experiments on the isomerization of 11-cis-retinal. pp. 37-40. Sperling W, et al.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974.

The 'ideal' daily vitamin A intake. Cheraskin E, et al. **Int J Vitam Nutr Res** 46(1):11-3, 1976

Preresonance Raman spectra of crystals of retinal isomers. Cookingham RE, et al. **J Am Chem Soc** 98(10):2759-63, 12 May 76

Photoisomerization kinetics of 11-cis-retinal, its Schiff base, and its protonated Schiff base. Menger EL, et al. **J Am Chem Soc** 98(13):3975-9, 23 Jun 76

Mammary transfer of vitamin A alcohol and ester in lactating dairy cows. Tomlinson JE, et al. **J Dairy Sci** 59(4):607-13, Apr 76

Effect of dietary vitamin A on the innate resistance of cattle to infestation by larvae of Hypoderma lineatum (Diptera: Oestridae). Gingrich RE, et al. **J Med Entomol** 12(1):13-5, 30 Apr 75

Differential effects of high dietary levels of vitamin A on the vitamin E-selenium nutrition of young and adult chickens. Combs GF Jr. **J Nutr** 106(7):967-75, Jul 76

Rhodopsin analogues from highly hindered 7-cis isomers of retinal. DeGrip WJ, et al. **Nature** 262(5567):416-8, 29 Jul 76

Structure of the chromophoric group in bathorhodopsin. Fransen MR, et al. **Nature** 260(5553):726-7, 22 Apr 76

Structure of the chromophoric group in bathorhodopsin. Fransen MR, et al. **Nature** (5553):726-7, 22 Apr 76

Wavelength dependence of the bandwidths of visual pigment spectra. Greenberg AD, et al. **Nature** 257(5529):823-4, 30 Oct 75

Bicycle-pedal model for the first step in the vision process. Warshel A. **Nature** 260(5553):679-83, 22 Apr 76

The transport of vitamin A in hypervitaminosis A. **Nutr Rev** 34(4):119-20, Apr 76 (5 ref.)

Retinal has a highly dipolar vertically excited singlet state: implications for vision. Mathies R, et al. **Proc Natl Acad Sci USA** 73(7):2169-73, Jul 76

Vitamin A deficiency and xerophthalmia. Report of a Joint WHO/USAID Meeting. **WHO Tech Rep Ser** (590):1-88, 1976 (86 ref.)

[Comparative conformations of photoreception of retinal-protein complexes] pp. 55-77. Oesterhelt D.
In: Jaenicke L, ed. Biochemistry of sensory functions. New York, Springer, 1974. WL 700 M894b 1974. **(Ger)**

[Effect of solvents and silica gel on vitamin A transformation] Dobrucki R. **Acta Pol Pharm** 33(1):131-2, 1976 **(Pol)**

ADMINISTRATION & DOSAGE

[Animal experiments on the prevention of acute gastric mucosa erosions using vitamin A] Inthorn D, et al. **Langenbecks Arch Chir** Suppl:287-90, 1975 (Eng. Abstr.) **(Ger)**

[External vitamin A acid treatment of acne vulgaris in policlinical and general practice] Tillmann K. **Z Hautkr** 51(12):483-90, 15 JUN 76 **(Ger)**

ADVERSE EFFECTS

Microsomal enzyme inducers and hypervitaminosis A in rats. Tuchweber B, et al. **Arch Pathol Lab® Med** 100(2):100-5, Feb 76

Vitamin A induced benign intracranial hypertension. Vollbracht R, et al. **Can J Neurol Sci** 3(1):59-61, Feb 76

Effect of hypervitaminosis A on immunocompetence in rats. Lapin V, et al. **Osterr Z Onkol** (3-4):96-9, 1974

Effect of vitamin A and C overdoses on formation of influenza HAI antibodies in the mouse. Babeş VT, et al. **Virologie** 27(1):63-4, Jan-Mar 76

[Letter: Congenital scalp defects (aplasia cutis congenita)] Geelen JA. **Ned Tijdschr Geneeskd** 120(6):254-5, 7 Feb 76 **(Dut)**

[A case of Goldenhar syndrome: acute vitamin A intoxication in the mother during pregnancy] Mounoud RL, et al. **J Genet Hum** 23(2):135-54, Jun 75 (80 ref.) (Eng. Abstr.) **(Fre)**

[Renal tubular failure after treatment with high dose of vitamin A (author's transl)] Földi E, et al. **Dtsch Med Wochenschr** 101(6):205-7, 6 Feb 76 (Eng. Abstr.) **(Ger)**

[Oxidative conversion of vitamin 'A' in rats with different allowances of it] Eremina GV, et al. **Vopr Pitan** (5):7-12, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Vitamin A acid in benign and malignant epithelial tumours of the skin. Bollag W, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:163-6, 27-29 Jan 75

Pharmacological studies on retinoic acid in Wistar and in atrichos rats. Cain J, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:33-5, 27-29 Jan 75

Effects of vitamin A acid in skin: in vivo and in vitro studies. Christophers E, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:42-9, 27-29 Jan 75

Vitamin A acid in the topic treatment of warts. De Bersaques J. **Acta Derm Venereol [Suppl] (Stockh)** 74:169-70, 27-29 Jan 75

Vitamin A acid in lichen planus. Ebner H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:161-2, 27-29 Jan 75

Retinoic acid for the therapy of psoriasis. Frost P, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:154-60, 27-29 Jan 75

Vitamin A acid in Darier's disease. Günther S. **Acta Derm Venereol [Suppl] (Stockh)** 74:146-51, 27-29 Jan 75

Toxicology of vitamin A acid. Herold M, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:29-32, 27-29 Jan 75

Indications of vitamin A acid treatment in acne vulgaris. Hjorth N. **Acta Derm Venereol [Suppl] (Stockh)** 74:116-8, 27-29 Jan 75

Topical vitamin A acid in acne vulgaris. Juhlin L. **Acta Derm Venereol [Suppl] (Stockh)** 74:133-4, 27-29 Jan 75

Vitamin A acid and wound healing. Klein P. **Acta Derm Venereol [Suppl] (Stockh)** 74:171-3, 27-29 Jan 75

Acne therapy with tretinoin in combination with antibiotics. Kligman AM, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:111-5, 27-29 Jan 75

Biosynthesis and metabolism of retinoic acid. Kretzschmar R, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:25-8, 27-29 Jan 75

Effects of vitamin A acid on cell cultures. Kuhn C. **Acta Derm Venereol [Suppl] (Stockh)** 74:41, 27-29 Jan 75

Electron microscope findings after toxic doses of vitamin A acid in man. Merker H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:64-72, 27-29 Jan 75

The cutaneous safety of topical tretinoin. Papa CM. **Acta Derm Venereol [Suppl] (Stockh)** 74:128-32, 27-29 Jan 75

Kinetics of epidermis and adnexa following vitamin A acid in the human. Plewig G, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:87-98, 27-29 Jan 75

Vitamin A acid in acneiform dermatoses. Plewig G, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:119-27, 27-29 Jan 75

Vitamin A acid and keratoacanthomas. Prutkin L. **Acta Derm Venereol [Suppl] (Stockh)** 74:167-8, 27-29 Jan 75

Inhibition of glucose-6-phosphate dehydrogenase activity by tretinoin. A contribution on the biochemical effects of tretinoin and on the rationale for using this compound in antipsoriatic therapy. Raab WP, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:61-3, 27-29 Jan 75

Vitamin A acid in the local treatment of congenital ichthyosiform erythroderma. Rehtijärvi K. **Acta Derm Venereol [Suppl] (Stockh)** 74:145, 27-29 Jan 75

Penetration of vitamin A acid into human skin. Schaefer H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:50-5, 27-29 Jan 75

Oral vitamin A acid therapy. Stüttgen G. **Acta Derm Venereol [Suppl] (Stockh)** 74:174-9, 27-29 Jan 75

Topical treatment of keratosis palmaris et plantaris with tretinoin. Touraine R, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:152-3, 27-29 Jan 75

Ultrastructure of human sebaceous follicles and comedones following treatment with vitamin A acid. Wolff HH, et al. **Acta Derm Venereol [Suppl] (Stockh)** 74:99-110, 27-29 Jan 75

Pharmacology of vitamin A acid (beta-all transretinoic acid). Zbinden G. **Acta Derm Venereol [Suppl] (Stockh)** 74:21-4, 27-29 Jan 75

Investigations on the toxicity of tretinoin administered systemically to animals. Zbinden G. **Acta Derm Venereol [Suppl] (Stockh)** 74:36-40, 27-29 Jan 75

Regulation of prostaglandin E2 biosynthesis in guinea pig skin by retinoic acid. Ziboh VA. **Acta Derm Venereol [Suppl] (Stockh)** 74:56-60, 27-29 Jan 75

Chemical induction of lysosomal storage. Philippart M, et al. **Adv Exp Med Biol** 68:473-93, 1976

Effect of retinoic acid on chondrocyte glycosaminoglycan biosynthesis. Shapiro SS, et al. **Arch Biochem Biophys** 174(1):74-81, May 76

Early effects of excessive retinol intake on hepatic glycogen metabolism. Singh M, et al. **Arch Biochem Biophys** 173(1):93-9, Mar 76

Early effects of excessive retinol intake on gluconeogenesis. Involvement of adrenals in the increased activities on Gluconeogenic Enzymes of rat. Singh M, et al. **Arch Biochem Biophys** 173(1):82-92, Mar 76

Treatment of psoriasis with topically applied tretinoin and steroid ointment. Kaidbey KH, et al. **Arch Dermatol** 111(8):1001-3, Aug 75

Topical vitamin A acid in the treatment of acne vulgaris (a controlled multicenter trial). Gandola M, et al. **Arch Dermatol Res** 255(2):129-38, 21 Apr 76

Tissue distribution of retinol and its metabolites after administration of double-labelled retinol. Sundaresan PR, et al. **Biochem J** 152(1):99-104, Oct 75

Destabilization of mouse liver lysosomes by vitamin A compounds and analogues. Wang CC, et al. **Biochem Pharmacol** 25(4):471-5, 15 Feb 76

The affinity of retinol and its analogues for retinol-binding protein. Muhilal H, et al. **Biochem Soc Trans** 3(5):744-6, 1975

Photoreceptor protein from the purple membrane of Halobacterium halobium. Molecular weight and retinal binding site. Bridgen J, et al. **Biochemistry** 15(4):792-8, 24 Feb 76

The effect of retinol and retinoic acid on the testicular phospholipase a activity in retinol-deficient rats. Chaudhary LR. **Biochim Biophys Acta** 424(3):489-92, 26 Mar 76

The roles of bile salts in the uptake of beta-carotene and retinol by rat everted gut sacs. El-Gorab MI, et al. **Biochim Biophys Acta** 401(2):265-77, 20 Aug 75

Effects of intensive application of retinoic acid on human skin. Kaidbey KH, et al. **Br J Dermatol** 92(6):693-701, Jun 75

Systemic use of a new retinoid with and without local dithranol treatment in generalized psoriasis. Orfanos CE, et al. **Br J Dermatol** 95(1):101-3, Jul 76

Treatment of solar keratoses of the extremities with retinoic acid and 5-fluorouracil. Robinson TA, et al. **Br J Dermatol** 92(6):703-6, Jun 75

Collagenase and other proteinases in the cornea of the retinol-deficient rat. Pirie A, et al. **Br J Nutr** 34(2):297-309, Sep 75

Letter: Retinoic acid in acne therapy. Morrison AB. **Can Med Assoc J** 114(5):412, 6 Mar 76

Letter: Safety of retinoic acid in acne therapy. Wilkinson RD. **Can Med Assoc J** 113(7):606-8, 4 Oct 75

Inhibition of 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis by retinyl acetate. Moon RC, et al. **Cancer Res** 36(7 PT 2):2626-30, Jul 76

The influence of retinyl acetate on the postinitiation phase of preneoplastic lung nodules in rats. Nettesheim P, et al. **Cancer Res** 36(3):966-1002, Mar 76

A retinoic acid-binding protein from chick embryo skin. Sani BP, et al. **Cancer Res** 36(2 Pt 1):409-13, Feb 76

Effect of aromatic retinoids on rat chondrosarcoma glycosaminoglycan biosynthesis. Shapiro SS, et al. **Cancer Res** 36(10):3702-6, Oct 76

Evaluation of vitamin A analogs in modulating epithelial differentiation of 13-day chick embryo metatarsal skin explants. Wilkoff LJ, et al. **Cancer Res** 36(3):964-72, Mar 76

Therapy of epithelial tumors with an aromatic retinoic acid analog. Bollag W. **Chemotherapy** 21(3-4):236-47, 1975

Liver function tests and serum aminotransferases after vitamin A acid (retinoic acid) administration: experimental investigations on rats. Günther S, et al. **Dermatol Monatsschr** 161(10):851-5, Oct 75

Therapeutic value and side effects of retinoic (Vitamin A acid) acid on human patients and animal experimental investigations on rats. Günther S, et al. **Dermatol Monatsschr** 161(2):137-47, Feb 75

The effects of vitamin A acid in follicular keratoses possibly explain its mode of action. Günther S. **Dermatol Monatsschr** 161(12):1025-9, Dec 75

Vitamin A acid in the topic treament of plantar warts. de Bersaques J. **Dermatologica** 150(6):369-71, 1975

Purification and evidence for the identity of chicken plasma and egg yolk retinol-retinol binding protein-prealbumin complex. Heller J. **Dev Biol** 51(1):1-9, 1 Jul 76

Binding affinities of retinol and related compounds to retinol binding proteins. Cogan U, et al. **Eur J Biochem** 65(1):71-8, 17 May 76

Prophylaxis of chemically induced epithelial tumors with an aromatic retinoic acid analog (Ro 10-9359). Bollag W. **Eur J Cancer** 11(10):721-4, Oct 75

Therapeutic effects of an aromatic retinoic acid analog on chemically induced skin papillomas and carcinomas of mice. Bollag W. **Eur J Cancer** 10(11):731-7, Nov 74

Transport of retinol from the blood to the retina: an autoradiographic study of the pigment epithelial cell surface receptor for plasma retinol-binding protein. Bok D, et al. **Exp Eye Res** 22(5):395-402, May 76

Hereditary retinal dystrophy in the rat: rhodopsin, retinol, vitamin A deficiency. Delmelle M, et al. **Exp Eye Res** 21(4):369-380, Oct 75

The effect of retinol and acetylsalicylic acid on the release of lysosomal enzymes from rat retina in vitro. Dewar AJ, et al. **Exp Eye Res** 20(1):63-72, Jan 75

Retinol and retinoic acid-binding proteins in bovine retina: aspects of binding specificity. Futterman S, et al. **Exp Eye Res** 22(5):419-24, May 76

Transport of retinol from the blood to the retina: involvement of high molecular weight lipoproteins as intracellular carriers. Heller J, et al. **Exp Eye Res** 22(5):403-10, May 76

A receptor for retinol in the developing retina and pigment epithelium. Wiggert BO, et al. **Exp Eye Res** 21(2):143-51, Aug 75

Retinol receptors of the retina and pigment epithelium: further characterization and species variation. Wiggert BO, et al. **Exp Eye Res** 22(5):411-8, May 76

Squamous metaplasia of the tracheal epithelium in organ culture. I. Effects of hydrocortisone and beta-retinyl acetate. Mossman BT, et al. **Exp Mol Pathol** 24(3):405-14, Jun 76

Retinol and retinyl esters in pigment epithelium of rats with inherited retinal degeneration. Nicotra C, et al. **Experientia** 32(2):147-8, 15 Feb 76

Demonstration of gap junctions by lanthanum in the vitamin A acid-treated skin tumor, keratoacanthoma. Prutkin L. **Experientia** 31(11):1346-8, 15 Nov 75

Prevention of chemical carcinogenesis by vitamin A and its synthetic analogs (retinoids). Sporn MB, et al. **Fed Proc** 35(6):1332–8, 1 May 76 (54 ref.)

A 13C–NMR. Study of cis–trans isomeric vitamins A, carotenoids and related compounds. Englert G. **Helv Chim Acta** 58(8):2367–90, 17 Dec 75

Presence of cellular retinol and retinoic acid binding proteins in human uterus. Chytil F, et al. **Int J Vitam Nutr Res** 45(3):293–8, 1975

New aspects of the tolerance of retinol in humans. Körner WF, et al. **Int J Vitam Nutr Res** 45(4):363–72, 1975

Preparation, properties and metabolism of retinoic acid anhydride. Premachandra BR, et al. **Int J Vitam Nutr Res** 45(3):305–16, 1975

Incorporation of labelled retinol in bovine spermatazoa. II. Effect of calcium, magnesium, potassium and sodium on the incorporation, in vitro. Swarup D, et al. **Int J Vitam Nutr Res** 45(4):373–7, 1975

Binding of retinol to isolated retinal pigment epithelium in the presence and absence of retinol–binding protein. Maraini G, et al. **Invest Ophthalmol** 14(10):785–7, Oct 75

Letter: 7–cis,9–cis– and 7–cis,9–cis,13–cis–retinal. A stereoselective synthesis of 7–cis,9–cis–beta–ionylideneacetaldehyde. Asato AE, et al. **J Am Chem Soc** 97(14):4128–30, 9 Jul 75

The effect of temperature and solvent environment on the conformational stability of 11–cis–retinal. Birge RR, et al. **J Am Chem Soc** 98(2):358–67, 21 Jan 76

Electronic relaxation processes in retinol and retinal: anomalous external heavy–atom effects and temperature dependence of fluorescence. Song PS, et al. **J Am Chem Soc** 98(3):819–24, 4 Feb 76

Quantitative aspects of the photochemistry of isomeric retinals and visual pigments. Waddell WH, et al. **J Am Chem Soc** 98(14):4189–92, 7 Jul 76

Formation and properties of retinylphosphate galactose. Peterson PA, et al. **J Biol Chem** 251(16):4986–95, 25 Aug 76

Gel chromatographic separation of retinol, retinyl esters and other fatsoluble vitamins. Holasová M, et al. **J Chromatogr** 123(1):225–30, 21 Jul 76

Studies on the mechanism of action to topical benzoyl peroxide and vitamin A acid in acne vulgaris. Fulton JE Jr, et al. **J Cutan Pathol** 1(5):191–200, 1974

Acanthosis nigricans and hypovitaminosis A. response to topical vitamin A acid. Montes LF, et al. **J Cutan Pathol** 1(2):88–94, 1974

Mammary transfer of vitamin A alcohol and ester in lactating dairy cows. Tomlinson JE, et al. **J Dairy Sci** 59(4):607–13, Apr 76

Letter: Topical vitamin A acid. Jarrett A, et al. **J Dermatol (Tokyo)** 2(1):51–2, Mar 75

Suppression of interferon production by vitamin A. Blalock JE, et al. **J Gen Virol** 32(1):143–7, Jul 76

The role of prostaglandin E, cyclic AMP, and cyclic GMP in the proliferation of guinea–pig ear skin stimulated by topical application of vitamin A acid. Aso K, et al. **J Invest Dermatol** 67(2):231–4, Aug 76

Effects of retinoic acid on prostaglandin biosynthesis in guinea–pig skin. Ziboh VA, et al. **J Invest Dermatol** 65(4):370–4, Oct 75

Isolation, characterization, and biological activity of retinyl phosphate from hamster intestinal epithelium. Frot–Coutaz JP, et al. **J Lipid Res** 17(3):220–30, May 76

Inhibition and reversal by beta–retinoic acid of hyperplasia induced in cultured mouse prostate tissue by 3–methylcholanthrene or N–methyl–N'–nitro–N–nitrosoguanidine. Chopra DP, et al. **J Natl Cancer Inst** 56(3):583–9, Mar 76

Effects of zinc deficiency on the oxidation of retinol and ethanol in rats. Huber AM, et al. **J Nutr** 105(11):1486–90, Nov 75

Cellular retinol–binding protein and retinoic acid–binding protein in rat testes: effect of retinol depletion. Ong DE, et al. **J Nutr** 106(2):204–11, Feb 76

Sigmatropic hydrogen migration and electrocyclization processes in compounds in the vitamin A series. Photochemistry of polyenes. 10. Ramamurthy V, et al. **J Org Chem** 41(10):1862–7, 14 May 76

Mechanism of action of retinyl compounds on wound healing IV: effect of desmethylretinoic acid and its vinylogs on granuloma formation. Lee KH, et al. **J Pharm Sci** 65(4):580–5, Apr 76

Tretinoin in acne vulgaris. Mandy S. **Mod Probl Paediatr** 17:174–6, 1975

Mediation of retinoic acid–induced growth and anti–tumour activity. Chytil F, et al. **Nature** 260(5546):49–51, 4 Mar 76

Light–induced fast conformational change in all–trans–retinal at low temperature. Georghiou S. **Nature** 259(5542):423–4, 5 Feb 76

Existence of a beta–ionone ring–binding site in the rhodopsin molecule. Matsumoto H, et al. **Nature** 258(5535):523–6, 11 Dec 75

Anion induced regulation of the absorption maximum of the twenty two carbon analog of the N–retinylidene–n–butylammonium cation. Blatz PE, et al. **Photochem Photobiol** 22(6):261–3, Dec 75

Quenching of singlet excitations by triplet excitation. Knox RS, et al. **Photochem Photobiol** 22(3–4):149–50, Sep–Oct 75

Visual pigments. V. Ground and excited–state acid dissociation constants of protonated all–trans retinal schiff base and correlation with theory. Schaffer AM, et al. **Photochem Photobiol** 21(5):297–301, May 75

Comparison of two concentrations of tretinoin solution in the topical treatment of acne vulgaris. Krishnan G. **Practitioner** 216(1291):106–9, Jan 76

Fatal self–medication with retinol and carrot juice. Leitner ZA, et al. **Proc Nutr Soc** 34(2):44A–45A, Sep 75

Retinoic acid binding protein: occurrence in human tumors. Ong DE, et al. **Science** 190(4209):60–1, 3 Oct 75

Visual adaptation: effects of externally applied retinal on the light–adapted, isolated skate retina. Pepperberg DR, et al. **Science** 191(4225):394–6, 30 Jan 76

Limb development in mouse embryos. I. Analysis of teratogenic effects of retinoic acid. Kochhar DM. **Teratology** 7(3):289–98, Jun 73

Transplacental passage of label after administration of (3H) retinoic acid (vitamin A acid) to pregnant mice. Kochhar DM. **Teratology** 14(1):53–63, Aug 76

Analysis of limb anomalies induced in vitro by vitamin A (retinol) in mice. Nakamura H. **Teratology** 12(1):61–9, Aug 75

The analysis of retinal isomers by high speed liquid chromatography. Rotmans JP, et al. **Vision Res** 15(12):1301–2, Dec 75

[Bullous erythroderma ichthyosiforme treated with vitamin A acid] Mortensen T. **Ugeskr Laeger** 138(3):159–61, 12 Jan 76 (Eng. Abstr.) **(Dan)**

[Iatrogenic dyschromia of the face] Collard JJ. **Arch Belg Dermatol** 30(4):301–2, Oct–Dec 74 **(Fre)**

[Kinetics of cell proliferation in normal epidermis before and after application of 1 per cent vitamin A–acid solution (author's transl)] Pullmann H, et al. **Arch Dermatol Res** 253(1):71–6, 29 Aug 75 (Eng. Abstr.) **(Ger)**

[Optimal dosage in peroral therapy of acne with vitamin A palmitate] Kalkoff KW, et al. **Hautarzt** 27(4):160–5, Apr 76 (Eng. Abstr.) **(Ger)**

[Symposium on vitamin A acid in Flims, Switzerland, January 27–29, 1975] Plewig G. **Hautarzt** 26(9):498–9, Sep 75 **(Ger)**

[Treatment of acne vulgaris using vitamin A acid] Wolff–Schreiner E, et al. **Hautarzt** 26(9):460–5, Sep 75 (Eng. Abstr.) **(Ger)**

[Reactions of tetracyanoethylene with polyenes] Pfoertner KH. **Helv Chim Acta** 58(3):833–9, 23 Apr 75 (Eng. Abstr.) **(Ger)**

[Local treatment of common acne with vitamin A acid (Eudyna) (author's transl)] Engst R, et al. **Munch Med Wochenschr** 118(2):43–6, 9 Jan 76 (Eng. Abstr.) **(Ger)**

[Kyrle's disease (hyperketarosis follicularis et parafollicularis): local and systemic therapy with vitamin A acid (retinoic acid)] Günther S. **Z Hautkr** 50(12):507–11, 15 Jun 75 **(Ger)**

[The mechanism of action of vitamin A acid] Günther S. **Z Hautkr** 50(3):113–6, 1 Feb 75 (Eng. Abstr.) **(Ger)**

[Therapeutic effect of vitamin A acid (retinoic acid) in various forms of palmar/plantar hyperkeratoses: experimental studies on 68 patients] Günther S. **Z Hautkr** 50(14):607–15, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[Lichen ruber planus and lichen ruber verrucosus of the skin: therapeutic results using vitamin A acid in 98 patients] Günther S. **Z Hautkr** 50(2):59–68, 15 Jan 75 (Eng. Abstr.) **(Ger)**

[Vitamin A–acid therapy of mollusca contagiosa in Hemophilia A] Hund G. **Z Hautkr** 50(7):291–2, 1 Apr 75 **(Ger)**

[Systemic use of an aromatic derivative of vitamin A acid (Ro 10–9359) in psoriasis and keratosis] Schimpf A. **Z Hautkr** 51(7):265–75, 1 Apr 76 **(Ger)**

[Local vitamin A acid therapy in palmar/plantar hyperkeratoses (authors transl)] Günther S. **Z Orthop** 113(5):916–9, Oct 75 (Eng. Abstr.) **(Ger)**

[Indications and possibilities of vitamin A acid therapy] Lüders G. **ZFA** 52(15):805–6, 31 May 76 **(Ger)**

[Incorporation of retinol–C 14 in the liver in toto, in liver mitochondrial membranes and in erythrocyte stroma of albino rats with avitaminosis A] Carbini L, et al. **Boll Soc Ital Biol Sper** 52(1–2):1–6, 30 Jan 76 **(Ita)**

[Vitamin A acid in acne therapy] Rajka G. **Tidsskr Nor Laegeforen** 95(28):1606, 10 Oct 75 **(Nor)**

[Erythrokeratodermia variabilis. Report of 3 clinical cases and evaluation of the topical retinoic acid treatment] Lacerda e Costa MH, et al. **Med Cutan Iber Lat Am** 3(4):281–7, 1975 (Eng. Abstr.) **(Por)**

[Modification in all–trans–retinal, 9–cis–retinal and 11–cis–retinal caused by exposure to sunlight] Cacioppo F, et al. **Biokhimiia** 40(2):233–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Use of retinol palmitate in emulsion for the treatment of children with eczema] Zakhidov EV, et al. **Pediatriia** (10):29–31, Oct 75 **(Rus)**

[Effect of thyroxine and hydrocortisone on the content of retinol and retinyl palmitate in liver tissue, kidney and blood of rats, loaded with high doses of retinyl acetate] Eremina GV, et al. **Vopr Med Khim** 21(6):645–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Acne: clinical experience with a new specific preparation] Debray SN. **Actas Dermosifiliogr** 66(7–8):395–406, Jul–Aug 75 **(Spa)**

[Vitamin A acid (tretinoin), a new dermatologic agent] Turgut K. **Turk Tip Dern Derg** 40(1):67–71, 1974 (Eng. Abstr.) **(Tur)**

[Combined action of retinol and hydrocortisone] Detiuk ES, et al. **Farm Zh** 31(3):82–3, May–Jun 76 **(Ukr)**

ANALYSIS

The electrochemical determination of vitamin A. Part II. Further voltammetric determination of vitamin A and initial work on the determination of vitamin D in the presence of vitamin A. Atuma SS, et al. **Analyst** 100(1196):827–34, Nov 75

Differential spectrophotometric method for the determination of vitamin A (retinol) by using trifluoroacetic acid, and its application to related compounds. Gharbo SA, et al. **Analyst** 100(1195):703–7, Oct 75

An improved and accurate procedure for the determination of vitamin A. Grys S. **Analyst** 100(1194):637–40, Sep 75

High–pressure liquid chromatographic determination of vitamin D3 in resins, oils, dry concentrates, and dry concentrates containing vitamin A. Hofsass H, et al. **J Assoc Off Anal Chem** 59(2):251–60, Mar 76

Combined assays for vitamins A, D (ergocalciferol), and E in multivitamin preparations with separation by reversed–phase partition chromatography. Strong JW. **J Pharm Sci** 65(7):968–74, Jul 76

Extraction of [14C] vitamin A from rat liver and kidney during processing for transmission electron microscopy. Plopper GG, et al. **Stain Technol** 50(5):339–45, Sep 75

Vitamin A1/A2–based visual pigment mixtures in cones of the rudd. Loew ER, et al. **Vision Res** 16(9):891–6, 1976

[Presence of vitamin A and of rhodopsin in the eye of Lineus ruber (Heteronemert)] Vernet G. **C R Acad Sci [D] (Paris)** 282(22):1983–5, 14 Jun 76 (Eng. Abstr.) **(Fre)**

[Determination of vitamin D3 and its isomers in D3 resins and in mixtures with vitamin A acetate (author's transl)] Steuerle H. **J Chromatogr** 115(2):447–53, 24 Dec 75 **(Ger)**

[Vitamin A determination in commercially produced feeds. 2. Vitamin A determination in mixed feeds] Müller V, et al. **Nahrung** 20(1):47–55, 1976 (Eng. Abstr.) **(Ger)**

[Fluorescence microscopic investigations of vitamin A in the cochlea of the guinea pig (author's transl)] Adler D, et al. **Z Laryngol Rhinol Otol** 53(2):147–53, Feb 74 (Eng. Abstr.) **(Ger)**

[Polarographic and oscillopolarographic behavior of vitamins A and D 2 and simultaneous determination by oscillopolarography of the 2 vitamins dissolved in oil] Menicagli C, et al. **Farmaco [Prat]** 31(5):244–52, May 76 (Eng. Abstr.) **(Ita)**

[Vitamin A in liver cells of Brazilian fresh water fishes] de Arruda Camargo LA, et al. **Arch Latinoam Nutr** 25(3):273–81, Sep 75 (Eng. Abstr.) **(Por)**

BLOOD

Concentration of vitamin A, retinol–binding protein and prealbumin in serum in response to stress: A contribution to the prevention of stress ulcers by means of vitamin A. Kasper H, et al. **Acta Hepatogastroenterol (Stuttg)** 22(6):403–8, Dec 75

Vitamin A transport in human fetal blood. Ismadi SD, et al. **Am J Clin Nutr** 28(9):967–72, Sep 75

Plasma vitamin A levels—a diagnostic indicator of hepatitis in an institutionalized mentally retarded population. Curtis JL, et al. **Am J Ment Defic** 81(1):12–7, Jul 76

Early signs of nutritional deficiency. Lowenstein FW. **Bibl Nutr Dieta** (23):120–8, 1976

Plasma vitamin A in patients with bronchial carcinoma. Basu TK, et al. **Br J Cancer** 33(1):119–21, Jan 76

Plasma vitamin A levels in the hyskeratoses. Mier PD, et al. **Br J Dermatol** 92(1):73–5, Jan 75

Hypervitaminosis A accompanying advanced chronic renal failure. Yatzidis H, et al. **Br Med J** 3(5979):352–3, 9 Aug 75

Letter: Effects of medication of plasma vitamin A concentrations. Curtis JL, et al. **Clin Chem** 22(5):695, May 76

Letter: Improved vitamin A assay. Oliver IK, et al. **Clin Chem** 22(9):1541–2, Sep 76

[Oral vitamin A tolerance tests in hypertriglyceridemia (author's transl)] Buxtorf JC, et al. **Pathol Biol (Paris)** 24(4):271–5, Apr 76 (Eng. Abstr.) **(Fre)**

[Evaluation of the screening examinations in blood donors, based on the model of vitamin A determinations] Sachs V, et al. **Acta Med Iugosl** 29(4):323–30, 1975 **(Ger)**

[Connection between dark adaptation and vitamin A and carotene concentration in the blood] Rankov B. **Int J Vitam Nutr Res** 46(1):100–4, 1976 (Eng. Abstr.) **(Ger)**

[Serum picture of vitamin A in healthy persons following a vitamin A palmitate loading] Schneeberger HW, et al. **Int J Vitam Nutr Res** 45(3):326–32, 1975 (Eng. Abstr.) **(Ger)**

[Vitamin A and stress ulcer (author's transl)] Schellerer W, et al. **Munch Med Wochenschr** 117(42):1701–4, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[The effect of a Czechoslowak geriatric drug on the blood vitamin level] Dítě P, et al. **Z Alternsforsch** 29(4):391–3, 1975 **(Ger)**

[The behavior of glucose, thyroxine, vitamin A, beta–carotene, methionine, and vitamin B12 in the blood of primiparous cattle during puerperium] Stöcki VW, et al. **Z Tierphysiol** 35(5):281–8, Sep 75 **(Ger)**

[Bioavailability in the man of vitamin A in 2 pharmaceutical forms containing vitamin A and D 2] Fascetti P, et al. **Boll Chim Farm** 115(2):108–12, Feb 76 (Eng. Abstr.) **(Ita)**

[Change in the carotenoid and vitamin A concentration in

the serum of animals receiving selenium] pp. 52–3. Gasanov GI, et al.
In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974. (Eng. Abstr.) **(Rus)**

[Changes in vitamin A and carotenoid content of blood in children depending on the functional condition of the liver and concentration of lipids] Gracheva AG, et al. **Pediatriia** (11):68–70, Nov 75 (Eng. Abstr.) **(Rus)**

[Vitamin A and carotene content of blood serum in patients with Botkin's disease] Goliana VI, et al. **Ter Arkh** 47(9):20–2, 1975 (Eng. Abstr.) **(Rus)**

[Vitamin A and carotin content in the blood of children with lambliasis–induced cholecystitis] Mingbaeva ShN, et al. **Vopr Pitan** (1):20–1, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**

[Vitamin A in blood of pregnant women and their newborn infants in 2 socioeconomic groups] Arroyave G, et al. **Arch Latinoam Nutr** 25(3):283–90, Sep 75 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Synthesis of vitamin A via sulfones: A C15 sulfone route. Manchand PS, et al. **Helv Chim Acta** 59(2):387–96, 10 Mar 76

A stereospecific synthesis of vitamin A from 2,2,6–trimethyl–cyclohexanone. Olson GL, et al. **Helv Chim Acta** 59(2):567–85, 10 Mar 76

[A synthesis of vitamin A according to the sulfone method (author's transl)] Fischli A, et al. **Helv Chim Acta** 59(2):397–405, 10 Mar 76 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[Vitamin A absorption test. I. Pancreatic insufficiency and sprue (author's transl)] Schmidt G, et al. **Med Klin** 70(43):1745–50, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Vitamin A absorption test. II. Diseases of the liver, the extrahepatic biliary system and the stomach (author's transl)] Schröder G, et al. **Med Klin** 70(43):1751–4, 24 Oct 75 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[Separation by means of column chromatography of isomers of vitamin A] Mariani A, et al. **Boll Chim Farm** 114(11):626–35, Nov 75 (Eng. Abstr.) **(Ita)**

METABOLISM

Breast milk composition in Ethiopian and Swedish mothers. I. Vitamin A and beta–carotene. Gebre–Medhin M, et al. **Am J Clin Nutr** 29(4):441–51, Apr 76

Energy and nitrogen metabolism of diseased chickens: interaction of Ascaridia galli infestation and vitamin A status. Walker TR, et al. **Br Poult Sci** 17(1):63–77, Jan 76

The differential effects of chemical carcinogens on vitamin A status and on microsomal drug metabolism in normal and vitamin A–deficient rats. Hauswirth JW, et al. **Cancer Res** 36(6):1941–6, Jun 76

Mechanism of the intestinal absorption of drugs from oil–in–water emulsions. VII. Role of bile in the lymphatic transport of lipid–soluble compounds from triolein emulsions. Noguchi T, et al. **Chem Pharm Bull (Tokyo)** 23(4):782–6, Apr 75

Mechanism of the intestinal absorption of drugs from oil in water emulsions. IV. Absorption from emulsions containing the higher concentration of emulsifier. Ogata H, et al. **Chem Pharm Bull (Tokyo)** 23(4):707–15, Apr 75

Absorption of vitamin A in patients with cystic fibrosis. Absorption is best with emulsified vitamin A alcohol. Warwick WJ, et al. **Clin Pediatr (Phila)** 15(9):807–10, Sep 76

Localization of (3H2)vitamin A in mouse retina. Pourcho RG, et al. **Exp Eye Res** 21(4):359–367, Oct 75

Participation of vitamin A in the maturation of rabbit spermatozoa. Velázquez A, et al. **Int J Fertil** 20(3):151–5, 1975

Vitamin A alcohol and vitamin A palmitate transfer from ewes to lambs. Mitchell GE Jr, et al. **Int J Vitam Nutr Res** 45(3):299–304, 1975

Effect of Ovral, a combination type oral contraceptive agent, on vitamin A metabolism in rats. Supopark W, et al. **Int J Vitam Nutr Res** 45(2):113–23, 1975

Vitamin A status of ewes and lambs grazing nitrogen fertilized orchardgrass pastures. Horn FP, et al. **J Anim Sci** 41(2):635–40, Aug 75

Vitamin A absorption and periodontal disease in trisomy G. Cutress TW, et al. **J Ment Defic Res** 20(1):17–23, Mar 76

Vitamin A metabolism during the repletion of zinc deficient rats. Brown ED, et al. **J Nutr** 106(4):563–8, Apr 76

Alterations in vitamin A metabolism during zinc deficiency and food and growth restriction. Smith JC Jr, et al. **J Nutr** 106(4):569–74, Apr 76

Autoradiographic localization of vitamin A in the adrenal gland of rats. Wallace DL, et al. **Life Sci** 17(11):1693–7, 1 Dec 75

Delayed clearance of chylomicron remnants following vitamin–A–containing oral fat loads in broad–beta disease (type III hyperlipoproteinemia). Hazzard WR, et al. **Metabolism** 25(7):777–801, JUL 76

11–Cis vitamin A in dark–adapted rod outer segments is a probable source of prosthetic groups for rhodopsin biosynthesis. Bridges CD. **Nature** 259(5540):247–8, 22 Jan 76

Vitamin A delivery in total parenteral nutrition solution. Hartline JV, et al. **Pediatrics** 58(3):448–51, Sep 76

Ethanol inhibition of vitamin A metabolism in the testes: possible mechanism for sterility in alcoholics. Van Thiel DH, et al. **Science** 186(4167):941–2, 6 Dec 74

Storage, distribution and utilization of vitamins A in the eyes of adult amphibians and their tadpoles. Bridges CD. **Vision Res** 15(12):1311–23, Dec 75

[Azo dyes and vitamin A reserves in the liver] Truhaut R. **Arzneim Forsch** 25(10):1594–6, Oct 75 **(Fre)**

[Induction of cytochrome P450 and vitamin A. Study in swine under the influence of DDT] Graillot C, et al. **C R Acad Sci [D] (Paris)** 282(16):1561–3, 26 Apr 76 (Eng. Abstr.) **(Fre)**

[Influence of oral administration of various doses of 2 azo dyes, amaranth and Sunset Yellow FCF, on storage of vitamin A in rat liver] Truhaut R, et al. **C R Acad Sci [D] (Paris)** 281(5–8):459–62, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Effect of tannic acid on liver levels of vitamin A in rats maintained on balanced diets or deprived of this vitamin] Suschetet M. **C R Soc Biol (Paris)** 169(4):970–3, 1975 (Eng. Abstr.) **(Fre)**

[Effect of prolonged ingestion of tannic acid, potassium metabisulfite and ethanol, administered alone or in combination, on the liver vitamin A concentration in the rat] Suschetet M. **Int J Vitam Nutr Res** 45(2):129–37, 1975 (Eng. Abstr.) **(Fre)**

[Absorption of vitamin A from ointment in vitro by the skin] Wardyńska H. **Acta Pol Pharm** 33(3):403–6, 1976 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

The action of vitamin A on the skin of mammals: a comparable study. Jarrett A. **Acta Derm Venereol [Suppl] (Stockh)** 74:73–5, 27–29 Jan 75

Ciliated and secretory epidermis produced from embryonic mammalian skin in organ culture by vitamin A. Sweeny PR, et al. **Anat Rec** 185(1):93–9, May 76

A histoquantitative study of the effect of maternal hypervitaminosis A on the differentiation of the foetal mouse skin. Nawar NN, et al. **Arch Anat Microsc Morphol Exp** 64(2):149–55, Apr–Jun 75

Vitamin A and lysosomal stability in rats fed an atherogenic diet. Sudhakaran PR, et al. **Atherosclerosis** 24(1–2):281–91, Jul–Aug 76

Calcium ethylenediaminetetraacetate (CaEDTA) toxicity—interaction of CaEDTA, cortisol and vitamin A palmitate on lysosomes in vivo in the rat. Rogerson KM, et al. **Biochem Pharmacol** 24(24):2299–305, 15 Dec 75

Destabilization of mouse liver lysosomes by vitamin A compounds and analogues. Wang CC, et al. **Biochem Pharmacol** 25(4):471–5, 15 Feb 76

Letter: Ischaemic heart disease, vitamins D and A, and magnesium. Seelig MS. **Br Med J** 3(5984):647–8, 13 Sep 75

Chondrocyte metabolism as affected by vitamin A. Vasan NS, et al. **Calcif Tissue Res** 19(2):99–107, 18 Dec 75

Effect of avitaminosis A and hypervitaminosis A on urinary bladder carcinogenicity of N–(4–(5–Nitro–2–furyl)–2–thiazolyl)formamide. Cohen SM, et al. **Cancer Res** 36(7 PT 1):2334–9, Jul 76

Locomotory behavior of limb bud cells. Effect of excess vitamin A in vivo and in vitro. Kwasigroch TE, et al. **Exp Cell Res** 95(2):269–78, 15 Oct 75

Control of wound healing with cortisone and vitamin A. pp. 497–508. Hunt TK.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.

Possible systemic mode of action of vitamin A. pp. 287–93. Ganguly J, et al.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.

Effect to tween 80 and aquasol A on virus plaque formation. Blalock JE, et al. **Infect Immun** 12(3):490–4, Sep 75

The influence of vitamin A on the susceptibility of the rat lung to 3–methylcholanthrene. Nettesheim P, et al. **Int J Cancer** 17(3):351–7, 15 Mar 76

Influence of vitamin A on formation and excretion of end products of nitrogen catabolism in chicks. Bruckental I, et al. **Int J Vitam Nutr Res** 45(4):378–87, 1975

Effect of hypervitaminoisis A on composition of chick cartilage. Havivi E, et al. **Int J Vitam Nutr Res** 45(3):317–25, 1975

RNA synthesis in liver nuclei of young rats fed varying amounts of vitamin A. Ram GC, et al. **Int J Vitam Nutr Res** 45(2):124–8, 1975

Upake of plasma lipids by extrahepatic tissues of vitamin A fed rats. Setty OH, et al. **Int J Vitam Nutr Res** 45(2):107–12, 1975

The state of lysosomes and protein turnover in rat liver. Effect of excess vitamin A. Kim HJ, et al. **J Biochem (Tokyo)** 79(4):803–8, Apr 76

Vitamin–A–induced mucous metaplasia. An in vitro system for modulating tight and gap junction differentiation. Elias PM, et al. **J Cell Biol** 68(2):173–88, Feb 76

Inhibition of interferon action by vitamin A. Blalock JE, et al. **J Gen Virol** 29(3):315–24, Dec 75

Effect of vitamin A on 2,2–bis–(p–chlorophenyl), 1,1–dichloroethylene concentration in rat liver. Ando M, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(5):317–22, 1975

Lack of effect of Vitamin A on corticosteroid–induced immunosuppression. Neifeld JP, et al. **J Surg Res** 19(4):225–8, Oct 75

Vitamin A and immunosuppression of allografts in dogs and rabbits. Schweizer RT, et al. **J Surg Res** 19(4):229–32, Oct 75

Induction of squamous metaplasia (vitamin A deficiency) and hypersecretory activity in tracheal organ cultures. Marchok AC, et al. **Lab Invest** 33(4):451–60, Oct 75

Role of adrenals in the vitamin A–mediated increase in the activities of gluconeogenic enzymes of rat liver. Singh M, et al. **Life Sci** 17(6):859–65, 15 Sep 75

Vitamin A prevention of triamcinolone acetonide effects on granuloma growth: lack of effect on prolyl hydroxylase. Wehr RF, et al. **Proc Soc Exp Biol Med** 152(3):411–4, Jul 76

Investigation of the effects of vitamin A on 5–fluorouracil toxicity in the rat. Stanford JR, et al. **Rev Surg** 32(6):447–9, Nov–Dec 75

The influence of x–rays, vitamin A and protease inhibitor on the hydroproteolytic activity and serotonin content in pancreas and intestine of rats. Kocmierska–Grodzka D. **Strahlentherapie** 151(6):562–70, Jun 76

Vitamin A: actions in oncogenesis and ski graft rejection. Rettura G, et al. **Surg Forum** 26:301–3, 1975

[Role of vitamin A in cytochrome P–450 induction by DDT] Ferrando R, et al. **C R Acad Sci [D] (Paris)** 279(12):999–1001, 16 Sep 74 **(Fre)**

[Action of vitamin A on the extent of enzyme induction] Gak JC, et al. **Med Chir Dig** 4 suppl 2:53–5, 1975 **(Fre)**

[Influence of vitamin A on the distribution of glycosaminoglycans in rat tissues] Lacord–Bonneau M, et al. **Nutr Metab** 18(5–6):225–39, 1975 (Eng. Abstr.) **(Fre)**

[Immunestimulation by high dosage of vitamin A in rats (author's transl)] Lapin V, et al. **Osterr Z Onkol** (1):25–6, 1974 (Eng. Abstr.) **(Ger)**

[The influence of vitamin a, gentamicin and anoxaemia on urinary enzyme excretion (author's transl)] Kolb R, et al. **Wien Klin Wochenschr** 88(14):463–7, 16 Jul 76 (Eng. Abstr.) **(Ger)**

[Influence of vitamin A on the sialoglycoproteids and the electrophoretic motility of erythrocytes] Kalashnikov IuK. **Vopr Pitan** (2):18–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The effect of vitamins A and E on the amino acid composition of proteins in different segments of the brain in aged animals] Leutskiĭ KM, et al. **Vopr Pitan** (5):21–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Activity of some carbohydrate–metabolizing enzymes in sheep skin] Shvets' SF, et al. **Ukr Biokhim Zh** 48(1):27–9, Jan–Feb 76 **(Ukr)**

PHYSIOLOGY

Vitamin A and the role of the pigment epithelium during bleaching and regeneration of rhodopsin in the frog eye. Bridges CD. **Exp Eye Res** 22(5):435–55, May 76

[Influence of vitamin E– vitamin A–dedicient diet on the copper sensitivity of erythrocytes: biological significance of vitamin E] Schmid A, et al. **Dtsch Tieraerztl Wochenschr** 83(5):212–4, 5 May 76 (Eng. Abstr.) **(Ger)**

[Vitamin A, membranes and the differentiation of cells] Dusheĭko AA, et al. **Ukr Biokhim Zh** 48(2):249–63, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

POISONING

Benign intracranial hypertension due to A–hypervitaminosis in adults and adolescents. Lombaert A, et al. **Eur Neurol** 14(5):340–50, 1976 (40 ref.)

Letter: Vitamin A toxicity. Lithgow DM. **S Afr Med J** 50(14):527, 27 Mar 76

Letter: Vitamin A toxicity. Straughan JL. **S Afr Med J** 50(5):123, 31 Jan 76

THERAPEUTIC USE

The effect of massive doses of vitamin A on the signs of vitamin A deficiency in preschool children. Sinha DP, et al. **Am J Clin Nutr** 29(1):110–5, Jan 76

A simple method to evaluate the massive dose vitamin A prophylaxis program in preschool children. Vijayaraghavan K, et al. **Am J Clin Nutr** 28(10):1189–93, Oct 75

Editorial: Vitamin A and cancer prophylaxis. **Br Med J** 2(6026):2–3, 3 Jul 76

Letter: Vitamin A and lung cancer. Sakula A. **Br Med J** 2(6030):298, 31 Jul 76

Modification of procine stress ulceration by methylprednisolone, vitaminA and methysergide treatment. Kivilaakso E, et al. **Eur Surg Res** 8(4):281–8, 1976

Effect of vitamin A on tumor development in burned, unburned, and glucocorticoid–treated mice inoculated with an oncogenic virus. Levine NS, et al. **Experientia** 31(11):1309–12, 15 Nov 75

Prevention of chemical carcinogenesis by vitamin A and its synthetic analogs (retinoids). Sporn MB, et al. **Fed Proc** 35(6):1332–8, 1 May 76 (54 ref.)

Treatment and prevention of mass incidence of corneal keratopathy in young rats. Bartoš L. **Physiol Bohemoslov** 25(1):93–5, 1976

Vitamin E or vitamin A protects chickens against E. coli infection. Tengerdy RP, et al. **Poult Sci** 54(4):1292–6, Jul 75

Letter: Of stress, vitamin A, and tumors. **Science** 193(4247):74–5, 2 Jul 76

[Efficacy of prolonged therapy with vitamins C and A and radiologic changes in the Ehlers-Danlos syndrome] Milkovska-Dimitrova T, et al. **Int J Clin Pharmacol Biopharm** 13(1):48-54, Jan 76 (Eng. Abstr.) **(Fre)**

[Study on the protective effect of vitamin A on stress ulcer of the rat (author's transl)] Schumpelick V, et al. **Arzneim Forsch** 26(3):386-8, 1976 (Eng. Abstr.) **(Ger)**

[Studies on the influence of vitamin A on the DNBC-eczema of the guinea pig] Buchholz VW. **Dermatol Monatsschr** 162(4):312-6, Apr 76 (Eng. Abstr.) **(Ger)**

[Prophylactic effects of a long-term therapy with vitamin A in stress ulcer? (author's transl)] Wedell J, et al. **Dtsch Med Wochenschr** 101(7):243-5, 13 Feb 76 (Eng. Abstr.) **(Ger)**

[Oral Vitamin A treatment of hypertrophic scars] pp. 279-84. Michaelis WE, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** **(Ger)**

[Animal experiment studies on the effect of vitamin A on cortisol-induced wound healing disorders] Seitz HD, et al. **Langenbecks Arch Chir** Suppl:181-5, 1975 (Eng. Abstr.) **(Ger)**

[Clinical and immunological observations in the treatment of bronchogenic cancer with high doses of vitamin A (author's transl)] Micksche M, et al. **Osterr Z Onkol** (3-4):70-6, 1974 (Eng. Abstr.) **(Ger)**

[Prophylaxis of acute gastric erosions with vitamin A in the rat (author's transl)] Inthorn D, et al. **Res Exp Med (Berl)** 165(3):199-203, 24 Sep 75 (Eng. Abstr.) **(Ger)**

[Effectiveness of vitamin A acid in diseases of the mouth mucosa: lichen ruber planus, leukoplakias and geographic tongue] Günther S. **Z Hautkr** 50(1):41-6, 1 Jan 75 (Eng. Abstr.) **(Ger)**

[Oral acne therapy using tetracycline and vitamin A plus E] Walther H. **ZFA** 52(9):477-80, 31 Mar 76 **(Ger)**

[A new drug with anti-inflammatory and re-epithelializing action on the female genital mucosa. Clinical study] Rasconà F, et al. **Minerva Ginecol** 28(2):183-91, Feb 76 (Eng. Abstr.) **(Ita)**

[Treatment of papilliform formations of external genitals in pregnant women with tetracyclines and vitamin A] Madej J, et al. **Ginekol Pol** 46(9):979-83, ' ep 75 (Eng. Abstr.) **(Pol)**

[Therapeutic effects of vitamin D and vitamin A in psoriasis (a 20-year experiment)] Dochao A, et al. **Actas Dermosifiliogr** 66(3-4):121-30, Mar-Apr 75 **(Spa)**

[Acid vitamin A in dermatology] Ocaña Sierra J. **Actas Dermosifiliogr** 67(3-4):125-50, Mar-Apr 76 **(Spa)**

[Use of vitamin A preparations in the treatment of acute gastrointestinal diseases in infants in the 1st year of life] Balezina TA, et al. **Pediatr Akush Ginekol** (4):12-4, Jul-Aug 75 **(Ukr)**

TOXICITY

Hypervitaminosis A in the dog. Cho DY, et al. **Am J Vet Res** 36(11):1597-1603, Nov 75

Preliminary toxicological investigations of 3-hydroxy-3-methylglutaric acid (HMG). I: Study of acute toxicity and of teratogenic activity in rats and mice. Savoie LL, et al. **Arzneim Forsch** 25(8):1284-6, Aug 75

Mucous metaplasia of the hamster cheek pouch epithelium under hypervitaminosis A. Wong YC. **Exp Mol Pathol** 23(1):132-43, Aug 75

Developmental failure due to monosomy and trisomy. pp. 361-74. Gropp A. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Abnormal cell migration as a possible factor in the genesis of vitamin-A-induced craniofacial anomalies. pp. 678-87. Morriss GM. **In: Neubert D, Merker HJ, ed. New approaches to the evaluation of abnormal embryonic development. Stuttgart, Thieme, 1975. W3 SY542N 1975n.**

Influence of excess vitamin E on vitamin A toxicity in rats. Jenkins MY, et al. **J Nutr** 105(12):1600-6, Dec 75

Vitamin A transport in human vitamin A toxicity. Smith FR, et al. **N Engl J Med** 294(15):805-8, 8 Apr 76

[Overdosing with vitamin a] Reuter H, et al. **Hippokrates** 45(4):504-6, Nov 74 **(Ger)**

VITAMIN A DEFICIENCY

see related
NYCTALOPIA
XEROPHTHALMIA

Round table on 'Hypovitaminosis A and its consequences in ophthalmology'. **Am J Clin Nutr** 29(7):803-5, Jul 76

A simple method to evaluate the massive dose vitamin A prophylaxis program in preschool children. Vijayaraghavan K, et al. **Am J Clin Nutr** 28(10):1189-93, Oct 75

BLOOD

[Vitamin 'A' and biological membranes. Nota V - Fatty acid composition of erythrocyte stroma in vitamin A deficient rats (author's transl)] Carbini L, et al. **Riv Sci Tecn Nutr Um** 5(4):239-41, Jul-Aug 75 (Eng. Abstr.) **(Ita)**

[Vitamin A in blood of pregnant women and their newborn infants in 2 socioeconomic groups] Arroyave G, et al. **Arch Latinoam Nutr** 25(3):283-90, Sep 75 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Keratomalacia in the cachectic hospitalized patient. Baum JL, et al. **Am J Ophthalmol** 82(3):435-8, Sep 76

Secondary ocular bacterial infection in hypovitaminosis a xerophthalmia. Valenton MJ, et al. **Am J Ophthalmol** 80(4):673-7, Oct 75

Effect of avitaminosis A and hypervitaminosis A on urinary bladder carcinogenicity of N-(4-(5-Nitro-2-furyl)-2-thiazolyl)formamide. Cohen SM, et al. **Cancer Res** 36(7 PT 1):2334-9, Jul 76

Effect of vitamin A deficiency on rat colon carcinogenesis by N-methyl-N'-nitro-N-nitrosoguanidine. Narisawa T, et al. **Cancer Res** 36(4):1379-83, Apr 76

Xerophthalmia. Pirie A. **Invest Ophthalmol** 15(5):417-22, May 76

Acanthosis nigricans and hypovitaminosis A. response to topical vitamin A acid. Montes LF, et al. **J Cutan Pathol** 1(2):88-94, 1974

The relation of vitamin A to Bitot spots. (A case report). El-Masry NA, et al. **J Egypt Med Assoc** 58(5-6):270-4, 1975

Effect of vitamin A and undernutrition on the susceptibility of rodents to a malarial parasite Plasmodium berghei. Krishnan S, et al. **J Nutr** 106(6):784-91, Jun 76

Temporal bone histopathology in experimental hypovitaminosis A. Chole RA, et al. **Laryngoscope** 86(3):445-53, Mar 76

Vitamin A: not required for adrenal steroidogenesis in rats. Gruber KA, et al. **Science** 191(4226):472-5, 6 Feb 76

Vitamin A deficiency and xerophthalmia. **WHO Chron** 30(3):117-20, Mar 76

Effect of malnutrition on susceptibility of mice to Trypanosoma musculi: vitamin A-deficiency. Lee CM, et al. **Z Parasitenkd** 49(1):1-10, 31 Mar 76

DIAGNOSIS

Early signs of deficiencies of fat-soluble vitamins. Brubacher G. **Bibl Nutr Dieta** (23):51-60, 1976 (22 ref.)

[The influence of vitamin A deficiency on the electrooculogram (author's transl)] Thaler A, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(2):187-90, 14 Apr 76 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The effect of massive doses of vitamin A on the signs of vitamin A deficiency in preschool children. Sinha DP, et al. **Am J Clin Nutr** 29(1):110-5, Jan 76

[Hormonal stimulation of the reparative process in the skin or fats with vitamin A deficiency] Khomullo GV, et al. **Arkh Anat Gistol Embriol** 70(1):62-6, Jan 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Studies on urinary arylsulphatase activity in vitamin A deficient rats. Srinivas L, et al. **Int J Vitam Nutr Res** 46(1):3-10, 1976

Studies on liver sulphurylase activity in rats: vitamin-A-deficient and low-protein diets. Srinivas L, et al. **Nutr Metab** 19(5-6):299-306, 1975

ETIOLOGY

[Adaptoelectroretinography (A.E.R.G.) and alcoholic cirrhosis (preliminary report)] Peyresblanques MJ. **Bull Soc Ophtalmol Fr** 74(4):399-406, Apr 74 **(Fre)**

IMMUNOLOGY

Role of vitamin A and protein-calorie undernutrition in immunity and infection. pp. 283-6. Krishnan S, et al. **In: Taiwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

METABOLISM

Hepatic drug metabolism in retinol-deficient rats. Colby HD, et al. **Biochem Pharmacol** 24(17):1645-6, 1 Sep 75

Biosynthetic studies on mannolipids and mannoproteins of normal and vitamin A-depleted hamster livers. De Luca LM, et al. **Biochim Biophys Acta** 409(3):342-59, 17 Dec 75

Formation in vitro of ascorbic acid 2-sulfate. Mohamram M, et al. **Biochim Biophys Acta** 437(1):305-10, 23 Jun 76

The differential effects of chemical carcinogens on vitamin A status and on microsomal drug metabolism in normal and vitamin A-deficient rats. Hauswirth JW, et al. **Cancer Res** 36(6):1941-6, Jun 76

Hereditary retinal dystrophy in the rat: rhodopsin, retinol, vitamin A deficiency. Delmelle M, et al. **Exp Eye Res** 21(4):369-380, Oct 75

[Polychlorinated biphenyls toxicity and nutrition. IV. PCBs' toxicity and vitamin A (3) (author's transl)] Innami S, et al. **Fukuoka Acta Med** 66(10):579-84, Oct 75

Possible systemic mode of action of vitamin A. pp. 287-93. Ganguly J, et al. **In: Taiwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

Influence of vitamin A on formation and excretion of end products of nitrogen catabolism in chicks. Bruckental I, et al. **Int J Vitam Nutr Res** 45(4):378-87, 1975

Vitamin A deficiency and the metabolism of glycosaminoglycans and ascorbic acid in the rat. Mohanram M, et al. **J Nutr** 106(4):471-7, Apr 76

Autoradiographic localization of vitamin A in the adrenal gland of rats. Wallace DL, et al. **Life Sci** 17(11):1693-7, 1 Dec 75

[Adrenal cortex and avitaminosis A: II. Complementary in vivo and in vitro studies on inhibition of corticoidogenesis in moderate deficiency in the rat. III. In vivo criterion for activity: glycemic response to ACTH] Poul JM, et al. **Ann Nutr Aliment** 29(4):285-304, 1975 (Eng. Abstr.) **(Fre)**

[Nucleic acid metabolism in testes from adult rats deficient in vitamin A] Goubern M, et al. **C R Acad Sci [D] (Paris)** 282(2):223-6, 12 Jan 76 (Eng. Abstr.) **(Fre)**

[Incorporation of retinol-C 14 in the liver in toto, in liver mitochondrial membranes and in erythrocyte stroma of albino rats with avitaminosis A] Carbini L, et al. **Boll Soc Ital Biol Sper** 52(1-2):1-6, 30 Jan 76 **(Ita)**

[Vitamin 'A' and biological membranes. Nota VI-Fatty acid composition of liver mitochondrial membranes in vitamin A-deficient rats (author's transl)] Padalino A, et al. **Riv Sci Tecn Nutr Um** 5(5-6):317-9, Sep-Dec 75 (Eng. Abstr.) **(Ita)**

[Relation of vitamin A to protein biosynthesis in normal animals and animals exposed to ionizing radiation] Leutskiĭ KM, et al. **Dokl Akad Nauk SSSR** 225(4):969-70, 1 Dec 75 **(Rus)**

[Oxidative conversion of vitamin 'A' in rats with different allowances of it] Eremina GV, et al. **Vopr Pitan** (5):7-12, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Some peculiarities of skin metabolism with vitamin A deficit] Lyubovych EM, et al. **Ukr Biokhim Zh** 47(2):199-204, Mar-Apr 75 (Eng. Abstr.) **(Ukr)**

OCCURRENCE

Xerophthalmia and blindness in Northeast Brazil. Simmons WK. **Am J Clin Nutr** 29(1):116-22, Jan 76

Early signs of vitamin A deficiency in Bulgaria. Balabanski L, et al. **Bibl Nutr Dieta** (23):61-7, 1976

Ecological assessment of vitamin A status of primary school children in Ulu Trengganu. Chandrasekharan N. **Med J Malaysia** 30(3):187-94, Mar 75

[Vitamin A deficiency and iron deficiency in pregnant women of 2 communities of Vale do Ribeira] Roncada MJ, et al. **Rev Saude Publica** 9(2):99-106, Jun 75 (Eng. Abstr.) **(Por)**

[Survey conducted among migrants cared for in the Central de Triagem e Encaminhamento in São Paulo City, Brazil. II. Biochemical aspects of hypoavitaminosis A] Roncada MJ. **Rev Saude Publica** 9(3):313-29, Sep 75 (Eng. Abstr.) **(Por)**

PATHOLOGY

Induction of squamous metaplasia (vitamin A deficiency) and hypersecretory activity in tracheal organ cultures. Marchok AC, et al. **Lab Invest** 33(4):451-60, Oct 75

[Morphological changes in eyes of white Wistar rats in the course of experimental vitamin A deficiency] Stencel J, et al. **Klin Oczna** 45(7):747-51, Jul 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Effect of vitamin A nutritional status on the growth of oestrogen-primed chick oviduct. Joshi PS, et al. **Biochem J** 154(1):249-51, 15 Jan 76

Vitam A deficiency and fetal growth and development in the rat. Takahashi YI, et al. **J Nutr** 105(10):1299-310, Oct 75

PREVENTION & CONTROL

Mass distribution of vitamin A and the prevention of keratomalacia. Sommer A, et al. **Am J Ophthalmol** 80(6):1073-80, Dec 75

VETERINARY

Vitamin A deficiency in the captive African lion cub Panthera loe (Linnaeus, 1758). Bartsch RC, et al. **Onderstepoort J Vet Res** 42(2):43-54, Jun 75

Inhaled feed particles in experimental pigs with and without vitamin A deficiency. Jericho KW. **Vet Pathol** 12(5-6):415-27, 1975

VITAMIN B COMPLEX

B-vitamin retention in meat during storage and preparation. A review. Engler PP, et al. **J Am Diet Assoc** 69(3):253-57, Sep 76 (57 ref.)

B-group vitamins and pellagra. Fawns HT. **Nurs Times** 72(13):496-8, 1 Apr 76

Nutrition classics. The Journal of Nutrition, Volume 91, 1967, number 2, part II, supplement, pages 5-9. Reminiscences on the discovery and significance of some of the B vitamins. Paul György. **Nutr Rev** 34(5):141-4, May 76

Vitamin B complex. Thiamine, riboflavin, niacin, folic acid (folacin), vitamin B12, biotin. Goldsmith GA. **Prog Food Nutr Sci** 1(2):559-609, 1975 (214 ref.)

[Influence of qualitatively different diets on the reproductive capacity and function of the adrenal cortex in rats with

experimental toxic hepatitis] Ferdman TD, et al. **Vopr Pitan** (2):44–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Composition of ewe's milk. Williams AP, et al. **J Dairy Res** 43(2):325–9, Jun 76

B-complex vitamins in cultured and acidified yogurt. Reddy KP, et al. **J Dairy Sci** 59(2):191–5, Feb 76

The application of ferrihydroxamic complexes to photocolorimetric determination of drugs. Part 2: Quantitative determination of calcium pangamate (vitamin B15) and its calcium gluconate mixtures. Yovchev I, et al. **Pharmazie** 31(3):168–9, 1976

[Group B vitamins in some typical Italian cheese: Parmigiano-reggiano, Pecorino romano and Gorgonzola (author's transl)] Minoccheri F, et al. **Riv Sci Tecn Nutr Um** 5(2):107–10, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Determination of calcium pangamaniate in Calgam] Kachelska O, et al. **Acta Pol Pharm** 32(5):641–2, 1975 **(Pol)**

BIOSYNTHESIS

[Biosynthesis of group B vitamins by yeasts--symbionts of xylophagous insects] Gusteleva LA. **Mikrobiologiia** 44(1):45–7, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Vitamin biosynthesis by germinating seeds at low temperature and in overmoistened soil] Salnikov AI. **Prikl Biokhim Mikrobiol** 11(6):885–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Synthesis of B group vitamins by Micrococcus freudenrichii K-219 depending on the growth rate on a carbohydrate medium] Eliseeva GS, et al. **Med Educ** 38(2):156–9, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

[Synthesis of vitamin B groups by Micrococcus freudenreichii K-219 in carbohydrate and hydrocarbon nutrition media] Isakova DM, et al. **Mikrobiol Zh** 37(1):7–10, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Synthesis of group B vitamins by bacteria of the genus Arthrobacter] Kvasnikov EI, et al. **Mikrobiol Zh** 37(5):573–9, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

Changes in the levels of certain vitamins from B group under conditions of vitamin deficiency. Tautt J. **Acta Physiol Pol** 27(1):91–9, Jan–Feb 76

Interrelationships between the B-vitamins in B12-deficiency neuromyelopathy. A possible malabsorption-malnutrition syndrome. Dastur DK, et al. **Am J Clin Nutr** 28(11):1255–70, Nov 75

The B-vitamins in malnutrition with alcoholism. A model of intervitamin relationships. Dastur DK, et al. **Br J Nutr** 36(2):143–59, Sep 76

Effects of a single intoxicating dose of ethanol on the vitamin profile of organelles in rat liver and brain. Frank O, et al. **J Nutr** 106(5):606–14, May 76

[Biosynthesis and liberation of vitamins by the unicellular alga Chlorella] Odintsova EN, et al. **Dokl Akad Nauk SSSR** 226(3):715–8, 21 Jan 76 **(Rus)**

[Role of calcium pantothenate in vitamin B requirement of children with tuberculosis] Kirpichev MP, et al. **Probl Tuberk** (7):38–43, 1975 (Eng. Abstr.) **(Rus)**

[B group vitamin metabolism in tuberculotic children] Kirpichev MP, et al. **Probl Tuberk** (7):21–5, Jul 76 (44 ref.) (Eng. Abstr.) **(Rus)**

[Group B vitamins in nodules of lupine inoculated with active and less active strains of nodule bacteria] Skochins'ka NM, et al. **Mikrobiol Zh** 37(5):580–3, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Vitamin requirements of yeasts using low-molecular paraffins] Solomko EF, et al. **Mikrobiol Zh** 37(4):423–6, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

PHARMACODYNAMICS

[Role of metabolic regulators in casein hydrolysate assimilation in alloxan diabetes] Glants RN, et al. **Biull Eksp Biol Med** 81(5):560–1, May 76 (Eng. Abstr.) **(Rus)**

[Effect of carbon and nitrogen sources and complex B vitamins on the synthesis of alkaline protease by different strains of Bacillus mesentericus and Bacillus subtilis] Emtseva TV. **Prikl Biokhim Mikrobiol** 11(3):391–6, May–Jun 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Letter: Treatment of dysmenorrhea. Karnaky KJ. **Am J Obstet Gynecol** 123(6):661–2, 15 Nov 75

Letter: Megavitamin treatment of schizophrenia. Hoffer J. **Can Psychiatr Assoc J** 20(6):492–5, Oct 75

Treatment and prevention of mass incidence of corneal keratopathy in young rats. Bartoš L. **Physiol Bohemoslov** 25(1):93–5, 1976

[Experimental study of a combination preparation of a ferrodextran complex, gamma-globulin, trace elements and vitamins] Boiadzhieva A, et al. **Vet Med Nauki** 12(8):45–51, 1975 **(Bul)**

[Analgesic effect of a polyvitamin B complex in African pathology] Dumas M, et al. **Bull Soc Med Afr Noire Lang Fr** 20(3):309–14, 1975 (Eng. Abstr.) **(Fre)**

[Medical treatment of optic nerve contusions] Campinchi R, et al. **Bull Soc Ophtalmol Fr** 74(4):417–20, Apr 74 **(Fre)**

[Controlled study of the therapeutic effect of B vitamins and an anabolic steroid in chronic hepatitis (author's transl)] Eberhardt G, et al. **Dtsch Med Wochenschr** 100(41):2074–82, 10 Oct 75 (Eng. Abstr.) **(Ger)**

[Trials with the new preparation cephatac in the attack treatment of migraine (author's transl)] Dufresne JJ, et al. **Praxis** 64(47):1514–8, 25 Nov 75 (Eng. Abstr.) **(Ger)**

[Use of pangamic acid in hyperlipidemia] Czaplicki S, et al. **Pol Tyg Lek** 31(11):451–2, 15 Mar 76 (Eng. Abstr.) **(Pol)**

[Effect of combinations of trace elements and vitamins in inositol metabolism and the morphohistochemical indices in the isoniazid treatment of experimental tuberculosis] Sodikov ES, et al. **Probl Tuberk** (7):75–9, Jul 76 (Eng. Abstr.) **(Rus)**

VITAMIN B DEFICIENCY

Susceptibility to insecticides of Lasioderma serricorne (F.) (Coleoptera anobiidae) grown on vitamin-deficient diets. Saxena SC, et al. **Arch Int Physiol Biochim** 84(1):53–61, Feb 76

Vitamin B complex. Thiamine, riboflavin, niacin, folic acid (folacin), vitamin B12, biotin. Goldsmith GA. **Prog Food Nutr Sci** 1(9):559–609, 1975 (214 ref.)

[Vitamin B 6 deficiency anemia] Ofori-Nkansah N, et al. **Schweiz Med Wochenschr** 105(41):1319–24, 11 Oct 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Adverse effects of isoniazid. Pellagra] Naess K. **Tidsskr Nor Laegeforen** 96(1):44–5, 10 Jan 76 **(Nor)**

COMPLICATIONS

Effect of some anticonvulsant drugs on depletion of folate in rats on a vitamin B12-deficient diet. Williams DL, et al. **Br J Haematol** 33(2):273–8, Jun 76

Effect of 'tobacco and lime on oral mucosa of rats' fed on vitamin B deficient diet. Gothoskar SV, et al. **Indian J Cancer** 12(4):424–9, Dec 75

DIAGNOSIS

Evaluation of methods of coenzyme activation of erythrocyte enzymes for detection of deficiency of vitamins B1, B2, and B6. Bayoumi RA, et al. **Clin Chem** 22(3):327–35, Mar 76

DRUG THERAPY

Letter: Carnitine deficiency. Alngelini C. **Lancet** 2(7934):554, 20 Sep 75

METABOLISM

Changes in the levels of certain vitamins from B group under conditions of vitamin deficiency. Tautt J. **Acta Physiol Pol** 27(1):91–9, Jan–Feb 76

[Influencing of acetylation and corticosterone biosynthesis through long-term pantothenic acid deficiency in rats] Pietrzik K, et al. **Int J Vitam Nutr Res** 45(3):251–61, 1975 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Biochemical assessment of the nutritional status of low-income pregnant women of Mexican descent. Jacob M, et al. **Am J Clin Nutr** 29(6):650–6, Jun 76

PATHOLOGY

[Light- and electron microscopy studies of structural changes within the exo- and endocrine pancreas of the albino rat in 2-, 3-, 4-, and 6-week-long B1-avitaminosis] Faller A. **Verh Anat Ges** 68:621–39, 1974 (Eng. Abstr.) **(Ger)**

VETERINARY

[Clinical aspects of experimental biotin deficiency in swine and report of early results in field tests] Glättli HR. **Schweiz Arch Tierheilkd** 117(3):135–44, Mar 75 (Eng. Abstr.) **(Ger)**

VITAMIN B T see **CARNITINE**

VITAMIN B 1 see **THIAMINE**

VITAMIN B 2 see **RIBOFLAVIN**

VITAMIN B 6 see **PYRIDOXINE**

VITAMIN B 12

Stability of vitamin B12 in the presence of ascorbic acid. Newmark HL, et al. **Am J Clin Nutr** 29(6):645–9, Jun 76

Vitamin B12 levels and nerve conduction velocities in patients undergoing maintenance hemodialysis. Rostand SG. **Am J Clin Nutr** 29(7):691–7, Jul 76

Deoxyribonucleoside triphosphate pools in vitamin B-12-deficient Euglenagracilis. Carell EF, et al. **Biochem J** 156(2):473–5, 15 May 76

The acid-catalyzed decompostion of phenacylcobalamin: evidence for the formation of an enol-Co(III) pi-complex intermediate. Brown KL, et al. **Biochemistry** 15(7):1402–7, 6 Apr 76

Carbon-13 nuclear magnetic resonance studies of adenosylcobalamin and alkylcorrinoids, selectively enriched with carbon-13. Hogenkamp HP, et al. **Biochemistry** 14(16):3707–14, 12 Aug 75

The interaction between vitamin B-12 and micelles in aqueous solution. Beckmann LS, et al. **Biochim Biophys Acta** 428(3):720–5, 28 May 76

Mechanism for the interaction of thiols with methylcobalamin. Frick T, et al. **Biochim Biophys Acta** 428(3):808–17, 28 May 76

A physical explanation of the EPR spectrum observed during catalysis by enzymes utilizing coenzyme B12. Schepler KL, et al. **Biochim Biophys Acta** 397(2):510–8, 26 Aug 75

Some observations on the possible nutritional significance of vitamin B12-and folate-binding proteins in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. Ford JE, et al. **Br J Nutr** 34(3):469–92, Nov 75

Letter: The mechanisms of action of vitamin B12. Dowd P, et al. **J Am Chem Soc** 97(16):4754–7, 6 Aug 75

Thin layer spectroelectrochemical study of vitamin B12 and related cobalamin compounds in aqueous media. Kenyhercz TM, et al. **J Am Chem Soc** 98(9):2469–77, 28 Apr 76

Electrochemistry of vitamin B12. I. Role of the base-on/base-off reaction in the oxidoreduction mechanism of the B12r-B12s system. Lexa D, et al. **J Am Chem Soc** 98(9):2652–8, 28 Apr 76

Interaction between ethanolamine ammonia-lyase and methylcobalamin. Half-site reactivity with an adenosylcobalamin-dependent enzyme. Mauck L, et al. **J Biol Chem** 250(23):8997–9001, 10 Dec 75

Studies on biological functions of 5'-methylthioadenosine vitamin B12-replacing effect for Ochromonas malhamensis. Sugimoto Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):89–100, 1976

The structures of some cobalamins in solution. Hensens OD, et al. **Philos Trans R Soc Lond [Biol]** 273(924):353–7, 5 Feb 76

ADMINISTRATION & DOSAGE

Methylmalonic acidemia controlled with oral administration of vitamin B12. Gordon BA, et al. **Can Med Assoc J** 115(3):233–6, 7 Aug 76

ADVERSE EFFECTS

[The problem of vitamin B6/B12 acne. A contribution on acne medicamentosa (author's transl)] Braun-Falco O, et al. **Munch Med Wochenschr** 118(6):155–60, 6 Feb 76 (Eng. Abstr.) **(Ger)**

[Effects of administration of gastric mucoprotein and vitamin B 12 on rats fed Hauk's and Osers standard diet and Wynn's cariogenic diet] Sortino G, et al. **Minerva Stomatol** 24(3):105–11, May–Jun 75 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

Rapid separation of cobyrinic acid and its biosynthetic precursors by ion-exchange paper chromatography. Lee S, et al. **Anal Biochem** 74(2):641–4, Aug 76

Vitamin B12 Biosynthesis: in vitro formation of cobinamide from cobyric acid and L-threonine. Ford SH, et al. **Arch Biochem Biophys** 175(1):121–30, Jul 76

A spectroscopic analysis of vitamin B12 derivatives. Fugate RD, et al. **Biochim Biophys Acta** 421(1):1–11, 14 Jan 76

Letter: Vitamin b12 analogues. Haurani FI. **Br J Haematol** 33(1):152, May 76

Changes in folate metabolism in baboons Papio cynocephalus treated with 2-methyl-2-aminopropanol-B12. Siddons RC. **Br J Haematol** 29(2):263–71, Feb 75

Thin layer spectroelectrochemical study of vitamin B12 and related cobalamin compounds in aqueous media. Kenyhercz TM, et al. **J Am Chem Soc** 98(9):2469–77, 28 Apr 76

Comparison of the uptake of vitamin B12 by Spirometra mansonoides and Hymenolepis diminuta and the functional groups of B12 analogs affecting uptake. Tkachuck RD, et al. **J Parasitol** 62(1):94–101, Feb 76

Chemical behavior of dicyanocob(III)yrinic acid heptamethyl ester and cob(I)yrinic acid heptamethyl ester in some preparative experiments. Inhoffen HH, et al. **Philos Trans R Soc Lond [Biol]** 273(924):327–33, 5 Feb 76

[Vergleichende Untersuchungen mit (14c)5-Aminolävulinat und (14c)Uroporphyrinogen (author's transl)] Dauner HO, et al. **Hoppe Seylers Z Physiol Chem** 356(9):1353–8, Sep 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

Some problems concerning the determination of different corrinoids by the plate method with Escherichia coli 113-3. Trojanowska K, et al. **Acta Microbiol Pol [B]** 7(2):103–10, 1975

Vitamin B12 content in the complex stomach of small ruminants receiving propionic acid and sodium propionate in the food. Roussev V, et al. **Agressologie** 16 Spec No C:37–41, 1975

Clinical interpretations of the measurement of folic acid and vitamin B12 in neuromuscular disease. Morse EE, et al. **Ann Clin Lab Sci** 6(2):137–41, Mar–Apr 76

Comparative studies on the microbiological vitamin B12 assay at two laboratories. Berg TM, et al. **Appl Environ Microbiol** 31(4):459–64, Apr 76

Tissue distribution of endogenous cobalamins and other corrins in the rat, cat and guinea pig. Quadros EV, et al. **Biochim Biophys Acta** 421(1):141–52, 14 Jan 76

The forms of vitamin B12 in foods. Farquharson J, et al.

Br J Nutr 36(1):127–36, Jul 76

Letter: Evaluation of vitamin B12 assay kits. Giorgio NA. **Clin Biochem** 8(4):291, Aug 75

Critical evaluation of the logit–log plot for the radio assay of vitamin B12. Shoucri R, et al. **Clin Biochem** 9(4):203–7, Aug 76

Tissue vitamin B–12 assay by a radioisotope dilution technique. Van Tonder SV, et al. **Clin Chim Acta** 63(3):285–96, 16 Sep 75

Determination of vitamin B12 in dry feeds by atomic absorption spectrophotometry. Whitlock LL, et al. **J Assoc Off Anal Chem** 59(3):580–1, May 76

Reduction of activity of cyanocobalamin in the presence of methylparaben sodium at autoclave temperature. Yazdany S, et al. **J Pharm Sci** 65(5):745–7, May 76

Quantitative determination of drugs by means of densitometry of thin–layer chromatograms. Part 5: Determination of the Vitamins B1, B2, B6 and B12 in mixture and in pharmaceutical preparations. Joneidi M, et al. **Pharmazie** 30(7):453–5, Jul 75

[Cyanocobalamin. Analysis of colored impurities] Bigeard F, et al. **Ann Pharm Fr** 33(12):671–6, Dec 75 (Eng. Abstr.) **(Fre)**

[Identification and determination of folinic acid and cobalamin in combination] Lotti B. **Boll Chim Farm** 114(7):416–20, Jul 75 (Eng. Abstr.) **(Ita)**

Differential spectrophotometric determination in visible light of some cobalamines in the presence of interfering substances] Celletti P, et al. **Farmaco [Prat]** 31(8):413–9, Aug 76 (Eng. Abstr.) **(Ita)**

[Vitamin B 12 in liver tissue and serum in chronic alcoholism] Kryszewski A, et al. **Pol Tyg Lek** 31(25):1057–9, 21 Jun 76 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Vitamin B12 production by a methanol–utilizing bacterium. Toraya T, et al. **Appl Microbiol** 30(3):477–9, Sep 75

Vitamin B12 Biosynthesis: in vitro formation of cobinamide from cobyric acid and L–threonine. Ford SH, et al. **Arch Biochem Biophys** 175(1):121–30, Jul 76

Studies on vitamin B12 production by strains of Klebsiella pneumoniae and Bacillus pasteurii. Rajagopalan K. **J Appl Bacteriol** 40(1):111–4, Feb 76

Biosynthesis of porphyrins and corrins. Battersby AR, et al. **Philos Trans R Soc Lond [Biol]** 273(924):161–80, 5 Feb 76

Neovitamin B12 (cyano–13–epicobalamin). Bonnett R. **Philos Trans R Soc Lond [Biol]** 273(924):295–301, 5 Feb 76

The biosynthesis of vitamin B12. Scott AI. **Philos Trans R Soc Lond [Biol]** 273(924):303–18, 5 Feb 76

[Biosynthesis and properties of a cyclic tetrapyrrole precursor of vitamin B 12] Bykhovskiĭ VIa, et al. **Dokl Akad Nauk SSSR** 224(6):1431–4, 21 Oct 75 **(Rus)**

[Effect of nucleotide containing corrinoids on vitamin B 12 synthesis in Propionibacterium shermanii] Bykhovsky VY, et al. **Prikl Biokhim Mikrobiol** 11(2):179–84, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Composition of lipids of Actinomyces olivaceus—synthesis of vitamin B 12] Konova IV, et al. **Prikl Biokhim Mikrobiol** 11(2):306–9, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Effect of delta–aminolevulinic acid on the biosynthesis of porphyrins and vitamin B12 by suspensions of starved cells of Actinomyces olivaceus V KX met– (B12–) mutants] Dekhtiarenko TD, et al. **Mikrobiol Zh** 37(2):177–80, Mar–Apr 75 (Eng. Abstr.) **(Ukr)**

[Synthesis of pyridoxine and cobalamin by nodule bacteria clover and lupine] Skochins'ka NM, et al. **Mikrobiol Zh** 37(4):433–8, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

BLOOD

Letter: Serum vitamin B12 levels in Puerto Rico. Santini R, et al. **Am J Clin Nutr** 29(7):689, Jul 76

Determination of erythrocyte vitamin B12 activity. Santini R, et al. **Am J Clin Nutr** 29(7):791–3, Jul 76

Pyridoxal, folate and vitamin B12 concentrations in Western Australian aborigines. Davis RE, et al. **Aust J Exp Biol Med Sci** 53(2):93–105, Apr 75

Letter: Measurement of serum B12–binding proteins. Carmel R. **Blood** 46(4):647–50, Oct 75

The plasma transport of vitamin B12. Allen RH. **Br J Haematol** 33(2):161–71, Jun 76

Erythrocyte vitamin B12 activity in healthy Indian lactovegetarians. Inamdar–Deshmurkh AB, et al. **Br J Haematol** 32(3):395–401, Mar 76

A familial abnormality of circulating vitamin B12 binding proteins: occurrence in a family of high serum concentrations of transcobalamin II. Kane SP, et al. **Br J Haematol** 33(2):249–59, Jun 76

The transport of endogenous vitamin B12 in normal human serum. England JM, et al. **Clin Sci Mol Med** 51(1):47–52, Jul 76

Serum pyridoxal, folate, and vitamin B12 levels in institutionalized epileptics. Davis RE, et al. **Epilepsia** 16(3):463–8, Sep 75

Vitamin B12 and folic acid studies by saturation analysis techniques. A review. Leonard JP, et al. **Int J Nucl Med Biol** 2(2):89–96, Mar 75 (46 ref.)

Human plasma R–type vitamin B12–binding proteins. I. Isolation and characterization of transcobalamin I. TRANSCOBALAMIN III. and the normal granulocyte vitamin B12–binding protein. Burger RL, et al. **J Biol Chem** 250(19):7700–6, 10 Oct 75

Human plasma R–type vitamin B12–binding proteins. II. The role of transcobalamin I, transcobalamin III, and the normal granulocyte vitamin B12–binding protein in the plasma transport of vitamin B12. Burger RL, et al. **J Biol Chem** 250(19):7707–13, 10 Oct 75

Transcobalamins I and II as natural transport proteins of vitamin B12. Hall CA. **J Clin Invest** 56(5):1125–31, Nov 75

The role and fate of rabbit and human transcobalamin II in the plasma transport of vitamin B12 in the rabbit. Schneider RJ, et al. **J Clin Invest** 57(1):27–38, Jan 76

Toadfish serum as a binder for in vitro assay of vitamin B12. Kim HR, et al. **J Nucl Med** 17(8):737–9, Aug 76

Rifampicin and the assay of folate and vitamin B12. Bate J, et al. **Med Lab Technol** 31(3):199–203, Jul 74

Serum vitamin B12–binding proteins in a case of eosinophilic leukemia. Coltman CA Jr, et al. **Med Pediatr Oncol** 1(3):185–93, 1975

Serum vitamin B12 levels in protein–malnourished children. Osifo BO, et al. **Nutr Metab** 20(1):9–13, 1976

Serum vitamin B12 content and UBBC in gravid and fetal rabbits. Rosenthal HL, et al. **Proc Soc Exp Biol Med** 150(2):407–9, Nov 75

Vitamin B12 and its binding proteins in the serum of some wild game species. Green R, et al. **S Afr J Med Sci** 40(1):9–13, 1975

Solid–phase cobalamin assay using cobalamin–binding protein from dog stomach. Hippe E, et al. **Scand J Clin Lab Invest** 35(6):577–82, Oct 75

Characterization of a cobalamin–binding plasma protein from a patient with hepatoma. Nexö E, et al. **Scand J Clin Lab Invest** 35(7):683–90, Nov 75

Granulocyte release of vitamin B12–binders in vivo and in vitro in leukaemia and non–neoplastic leucocytosis. Gullberg R, et al. **Scand J Haematol** 15(5):377–83, Dec 75

Folate studies. Folate and vitamin B12 values in relation to bone marrow pattern. Magnus EM. **Scand J Haematol Suppl** 24:III–VII, 1–110, 1975

A DEAE cellulose column method using predosed 57Co cyanocobalamin and pooled serum for measuring vitamin B12 in serum. Goedermans WT, et al. **Strahlentherapie [Sonderb]** 74:286–92, 1975

Maternal and foetal vitamin B12 concentration at parturition among Nigerians. Osifo BO, et al. **Trop Geogr Med** 28(1):37–40, Mar 76

[Diagnostic significance of B 12 vitamin levels in chronic myelosis (author's transl)] Bláha M, et al. **Cas Lek Cesk** 115(5):156–8, 6 Feb 76 (Eng. Abstr.) **(Cze)**

[Determination of vitamin B 12 concentration in blood donors using Phadebas B 12 test] Kseliková M, et al. **Vnitr Lek** 21(9):859–63, Sep 75 (Eng. Abstr.) **(Cze)**

[The behavior of glucose, thyroxine, vitamin A, beta–carotene, methionine, and vitamin B12 in the blood of primiparous cattle during puerperium] Stöcki VW, et al. **Z Tierphysiol** 35(5):281–8, Sep 75 **(Ger)**

[Serum vitamin B12 levels of the patients with chronic rheumatoid arthritis] Nishimura Y. **Ryumachi** 16(2):151–66, May 76 (Eng. Abstr.) **(Jpn)**

[Vitamin B 12 level in the serum of patients with pancreatic diseases] Chyliński J, et al. **Pol Tyg Lek** 31(23):981–2, 7 Jun 76 (Eng. Abstr.) **(Pol)**

[Serum vitamin B 12 levels in chronic alcoholics during abstinence] Niemiro A, et al. **Pol Tyg Lek** 30(47):1957–9, 24 Nov 75 (Eng. Abstr.) **(Pol)**

[Effect of tobacco smoking on vitamin B 12 level in man's blood serum] Halawa B, et al. **Wiad Lek** 29(6):469–72, 15 Mar 76 (Eng. Abstr.) **(Pol)**

[Determination of vitamin B 12 concentration in the serum by means of the radioisotope method] Antić M, et al. **Srp Arh Celok Lek** 103(5):361–6, May 75 (Eng. Abstr.) **(Ser)**

CHEMICAL SYNTHESIS

On organic natural product synthesis and vitamin B12. pp. 269–78. Eschenmoser A. **In: Milligan WO, ed. Immunochemistry. Houston, Robert A. Welch Foundation, 1975. QW 504 R639i 1974.**

[Partial synthesis of adenosylcorrinoids and of 1,N6–etheno–adenosylcobalamin with a fluorescent nucleoside (author's transl] Moskophidis M, et al. **Z Naturforsch [C]** 30(4):460–5, Jul–Aug 75 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Letter: Intrinsic–factor antibody and vitamin B. Thompson RA. **Lancet** 1(7954):310–1, 7 Feb 76

ISOLATION & PURIFICATION

Isolation and characterization of a photolabile corrinoid–polypeptide complex from bovine liver. Skupin J, et al. **Bull Acad Pol Sci [Biol]** 23(7):435–40, 1975

METABOLISM

Role of transcobalamins I, II, and III in the transfer of vitamin B12 to human bone marrow cells in vitro. Wickramasinghe SN, et al. **Acta Haematol (Basel)** 54(2):89–94, 1975

Release of vitamin B12–binding protein from isolated rat liver perfused with a synthetic medium. Nováková V, et al. **Acta Physiol Scand** 96(4):500–5, Apr 76

Folic acid and vitamin B12 determination in fetal liver. Vaz Pinto A, et al. **Am J Clin Nutr** 28(10):1085–6, Oct 75

Adaptive changes in vitamin B12 absorption in celiac disease and after proximal small–bowel resection in man. Mackinnon AM, et al. **Am J Dig Dis** 20(9):835–40, Sep 75

Comparison of the bioavailability of cyanocobalamin from capsule and liquid dosage forms. Baun DC, et al. **Am J Hosp Pharm** 32(10):1047–9, Oct 75

Effect of oral contraceptives on nutrients. III. Vitamins B6, B12, and folic acid. Prasad AS, et al. **Am J Obstet Gynecol** 125(8):1063–9, 15 Aug 76

Bile and detergent interaction with the radioassay for vitamin B12 binders using protein and dextran–covered charcoal. Andersen KJ, et al. **Anal Biochem** 74(2):488–95, Aug 76

Studies of the ribosome–associated vitamin B12S adenosylating enzyme of Lactobacillus leichmannii. Ohta H, et al. **Arch Biochem Biophys** 174(2):713–25, Jun 75

Studies on metabolic role of 5'–Methylthioadenosine in Ochromonas malhamensis and other microorganisms. Sugimoto Y, et al. **Arch Microbiol** 108(2):175–82, Jun 76

Metabolism of vitamin B12 and early signs of vitamin B12 deficiency in man. Tashev T, et al. **Bibl Nutr Dieta** (23):105–17, 1976 (64 ref.)

The interaction of adeninylalkylcobalamins with ribonucleotide reductase. Sando GN, et al. **Biochim Biophys Acta** 428(1):228–32, 25 Mar 76

Protein–mediated uptake of vitamin B12 by isolated mitochondria. Gams RA, et al. **Blood** 47(6):923–30, Jun 76

Assessment of vitamin B12 absorption in tropical sprue utilizing a whole body counter. Corcino JJ, et al. **Bol Asoc Med PR** 68(2):29–31, Feb 76

Inhibitory effect of eggs on vitamin B12 absorption: description of a simple ovalbumin 57Co–vitamin B12 absorption test. Doscherholmen A, et al. **Br J Haematol** 33(2):261–72, Jun 76

Binding of vitamin B12—rat transcobalamin II and free vitamin B12 to plasma membranes isolated from rat liver. Fiedler–Nagy C, et al. **Br J Haematol** 31(3):311–21, Nov 75

Role of vitamin B12 in folate coenzyme synthesis. Perry J, et al. **Br J Haematol** 32(2):243–8, Feb 76

Some observations on the possible nutritional significance of vitamin B12–and folate–binding proteins in milk. Absorption of [58Co]cyanocobalamin by suckling piglets. Ford JE, et al. **Br J Nutr** 34(3):469–92, Nov 75

Vitamin B12 metabolism in the fruit bat (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. Van Tonder SV, et al. **Br J Nutr** 34(3):397–410, Nov 75

The effects of dietary histidine, methionine and homocystine on vitamin B12 and folate levels in rat liver. Williams DL, et al. **Br J Nutr** 35(3):299–307, May 76

The metabolic fate of 57Co–methylcobalamin in the rat with a crushed sciatic nerve—especially on the uptake by the nerve tissue and by muscles innervated by sciatic nerves. Kinoshita K, et al. **Chem Pharm Bull (Tokyo)** 22(10):2252–7, Oct 74

Heterogeneity of hepatic vitamin B12 in the rat after parenteral cyanocobalamin. Cooksley WG, et al. **Clin Sci Mol Med** 49(3):257–64, Sep 75

The relation between total cobalt and cobalt in vitamin B12 during the maturation of ovaries in slamon (Salmo salar). Julshamn K, et al. **Comp Biochem Physiol [B]** 52(3):381–2, 15 Nov 75

Vitamin B12 absorption—a study of intraluminal events in control subjects and patients with tropical sprue. Kapadia CR, et al. **Gut** 16(12):988–93, Dec 75

Transport of vitamin B12 in Escherichia coli: common receptor system for vitamin B12 and bacteriophage BF23 on the outer membrane of the cell envelope. Bradbeer C, et al. **J Bacteriol** 125(3):1032–9, Mar 76

Isolation and characterization of a novel vitamin B12–binding protein associated with hepatocellular carcinoma. Burger RL, et al. **J Clin Invest** 56(5):1262–70, Nov 75

Normal vitamin B12 turnover in subacute combined degeneration of the spinal cord. Mendelsohn G, et al. **J Lab Clin Med** 86(4):667–71, Oct 75

Comparison of the uptake of vitamin B12 by Spirometra mansonoides and Hymenolepis diminuta and the functional groups of B12 analogs affecting uptake. Tkachuck RD, et al. **J Parasitol** 62(1):94–101, Feb 76

Origin and function of human plasma R–type vitamin B12 binding proteins. **Nutr Rev** 34(5):148–50, May 76 (6 ref.)

Cobalamins in fibroblasts cultured from normal control subjects and patients with methylmalonic aciduria. Linnell JC, et al. **Pediatr Res** 10(3):179–83, Mar 76

Granulomatous gastritis, iron deficiency, vitamin B12 malabsorption and immunoglobulin deficiency. Woolf IL, et al. **Postgrad Med J** 52(607):303–5, May 76

Genetic complementation in heterokaryons of human fibroblasts defective in cobalamin metabolism. Gravel RA, et al. **Proc Natl Acad Sci USA** 72(8):3181–5, Aug 75

Vitamin B12 absorption from eggs. Doscherholmen A, et al. **Proc Soc Exp Biol Med** 149(4):987–90, Sep 75

Absorption of heparin and cyanocobalamin from the rat lung. Schanker LS, et al. **Proc Soc Exp Biol Med** 152(3):377–80, Jul 76

Human vitamin B12 transport proteins. Allen RH. **Prog Hematol** 9:57–84, 1975 (104 ref.)

Absorption studies in patients with parasitic infestation of the small intestine, before and after treatment. Gheorghescu B, et al. **Rev Roum Med [Med Intern]** 14(1):31–8, Jan–Mar 76

Classification of human vitamin–B12–binding proteins.

Gullberg R. **Scand J Gastroenterol** 10(6):561–4, 1975 (21 ref.)

Biological functions of the vitamin B12–binding protein characterised by large molecular size. Gullberg R. **Scand J Gastroenterol** 11(3):225–7, 1976 (31 ref.)

Ribonucleotide reductase in blue–green algae: dependence on adenosylcobalamin. Gleason FK, et al. **Science** 192(4246):1343–4, 25 Jun 76

[Absorption of vitamin B 12: physiology and pathology] Dedieu P. **Arch Fr Mal App Dig** 64(1):65–82, Jan–Feb 75 (130 ref.) **(Fre)**

[Proceedings: Generalized capillary hyalinosis with motor diarrhea, vitamin B12 malabsorption, protein–losing enteropathy, and hemorrhagic rectitis. A new familial disease related to the Urbach–Wiethe disease] Rambaud JC, et al. **Arch Fr Mal App Dig** 64(3):275, Apr–May 75 **(Fre)**

[Selective malabsorption of vitamin B 12 (Imerslund's disease) and its treatment. Apropos of 2 cases] Odievre M, et al. **Arch Fr Pediatr** 32(2):185–9, Feb 75 (Eng. Abstr.) **(Fre)**

[Transient malabsorption of Vitamin B12 bound to intrinsic factor in pernicious anemia (author's transl)] Brassinne A. **Nouv Rev Fr Hematol** 15(1):107–18, Jan–Feb 75 (Eng. Abstr.) **(Fre)**

[Vitamin B 12 dependent methionine biosynthesis in pseudomonas aeruginosa] Wehnert M, et al. **Z Allg Mikrobiol** 15(4):281–6, 1975 (Eng. Abstr.) **(Ger)**

[Oral contraceptives and absorption of vitamin b 12] Keszthelyi B, et al. **Orv Hetil** 117(7):404–5, 15 Feb 76 **(Hun)**

[Vitamin B 12 absorption disorders in diabetic patients treated with adebit] Keszthelyi B, et al. **Orv Hetil** 117(16):963–4, 18 Apr 76 **(Hun)**

[Vitamin B12 absorption test by a whole body counter (plastic scintillator). (1) Experimental study] Morishita R, et al. **Jpn J Nucl Med** 12(4):367–75, Aug 75 (Eng. Abstr.) **(Jpn)**

[Studies of vitamin B 12 absorption by a whole–body counter. (2). Clinical application with special reference to the effect of pancreatic enzymes on vitamin B 12 absorption in patients after total pancreatectomy] Morishita R, et al. **Jpn J Nucl Med** 12(6):613–22, Dec 75 (Eng. Abstr.) **(Jpn)**

[Vitamin B–12 metabolism in Immerslund–Naiman–Gräsbeck syndrome] Konopka L, et al. **Pediatr Pol** 51(2):187–9, Feb 76 **(Pol)**

[Absorption of vitamin B–12 following partial gastrectomy without pyloric involvement in surgical treatment of stomach ulcer] Dzienis H, et al. **Pol Przegl Chir** 47(12):1541–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Iron and vitamin B–12 metabolism in patients following partial gastrectomy for peptic ulcer] Rechowicz K, et al. **Pol Tyg Lek** 30(33):1349–53, 18 Aug 75 (Eng. Abstr.) **(Pol)**

[Effect of antibiotics on the assimilation of exogenic vitamin B 12 and iron in patients with afferent loop syndrome] Govorovich EA, et al. **Klin Med (Mosk)** 53(10):75–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Absorption of vitamin B12 and d–xylose in radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Absorption of vitamin B 12 and d–xylose during radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Vitamin B 12 content of blood serum and urine in obese school children] Kononenko AP, et al. **Pediatriia** (7):61–4, Jul 75 (Eng. Abstr.) **(Rus)**

[Metabolism of Co58 labelled vitamin B12 in white rats under normal conditions and in starvation] El'kina GI, et al. **Vopr Pitan** (4):25–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[The role of the secretory activity of the pancreas in the process of iron and vitamin B12 absorption (review of the literature)] Geller LI. **Vopr Pitan** (2):47–9, Mar–Apr 76 (40 ref.) **(Rus)**

PHARMACODYNAMICS

Substrate specificity of coenzyme B12–dependent diol dehydrase: glycerol as both a good substrate and a potent inactivator. Toraya T, et al. **Biochem Biophys Res Commun** 69(2):475–80, 22 Mar 76

Role of vitamin B12 in the reduction of ribonucleotides into deoxyribonucleotides in Drosophila cells grown in vitro. Becker JL. **Biochimie** 58(4):427–30, 1976

The activity of the cobalamine–dependent methionine–synthetase (5–methyl–5, 6, 7, 8–tetrahydrofolic acid: homocysteine methyltransferase) in rapidly growing human cells and the effect of some folic acid derivatives and analogues. pp. 153–63. Sauer H, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

The mechanism of action of ethanolamine ammonia–lyase, an adenosylcobalamin–dependent enzyme. The source of the third methyl hydrogen in the 5'–deoxyadenosine generated from the cofactor during catalysis. Sato K, et al. **J Biol Chem** 251(12):3734–7, 25 Jun 76

The relationships between vitamin B12 and folic acid and the effect of methionine on folate metabolism. Shin YS, et al. **Mol Cell Biochem** 9(2):97–108, 14 Nov 75

Effect of vitamin B12 and folate on biosynthesis of methionine from homocysteine in the nematode Caenorhabditis briggsae. Lu NC, et al. **Proc Soc Exp Biol Med** 151(4):701–6, Apr 76

Effect of hydroxycobalamin on the inhibition of cytochrome c oxidase by cyanide. I – In intact mitochondria. Lopes LC, et al. **Res Commun Chem Pathol Pharmacol** 12(3):521–32, Nov 75

Effect of hydroxycobalamin on the inhibition of cytochrome c oxidase by cyanide. II – In isolated cytochrome C oxidase. Lopes LC, et al. **Res Commun Chem Pathol Pharmacol** 14(1):177–91, May 76

[Proceedings: Effects of VB12 and aldosterone on membrane and action potentials of the peripheral nerves] Hishida F, et al. **J Physiol Soc Jpn** 36(8–9):363, 1 Sep 74 **(Jpn)**

[Effect of benzimidazole derivatives on viral infection] Sorokin AM, et al. **Vopr Virusol** (2):206–11, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of vitamin B 12 on lipolysis in vivo and in vitro] Kovačev VP, et al. **God Zb Med Fak Skopje** 20:35–41, 1974 (Eng. Abstr.) **(Ser)**

PHYSIOLOGY

Studies on the role of the liver in vitamin B12 and transcobalamin II homeostasis. pp. 78–9. Cooksley WG, et al. **In: Leevy CM, ed. Diseases of the liver and biliary tract. Basel, Karger, 1976. WI 700 I61d 1974.**

RADIATION EFFECTS

Effect of X–irradiation on vitamin B12 binding capacity to intrinsic factor. D'Souza DW, et al. **Environ Physiol Biochem** 5(4):217–25, 1975

THERAPEUTIC USE

The efficiency of aquocobalamine as an antidote in cyanide poisoning when given alone or combined with sodium thiosulfate. Friedberg KD, et al. **Arch Toxicol (Berl)** 33(2):103–13, 14 Feb 75

Changes in erythroblast morphology as an index of response to cyanocobalamin in patients with megaloblastic anaemia. Dawson DW, et al. **Br J Haematol** 31(1):77–85, Sep 75

Letter: Vitamin B12 in late–onset psychosis of childhood. Denson R. **Can Med Assoc J** 114(2):113, 24 Jan 76

The role of vitamin B 12 and its transport globulins in the production of antibodies. Hitzig WH, et al. **Clin Exp Immunol** 20(1):105–11, Apr 75

Prenatal treatment of methylmalonic acidemia with vitamin B12. pp. 357–62. Ampola MG, et al. **In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.**

The clinical application of laboratory animal experimental findings: treatment of hypersexualized behavior in a male. Chapel JL, et al. **Int J Clin Pharmacol Biopharm** 12(1–2):234–8, Jul 75

Defective leukocyte metabolism in human cobalamin deficiency: impaired propionate oxidation and serine biosynthesis reversible by cyanocobalamin therapy. Robertson JS, et al. **J Lab Clin Med** 87(1):89–97, Jan 76

Letter: Cyanocobalamin in postpartum psychosis. Daynes G. **S Afr Med J** 49(34):1373, 9 Aug 75

Letter: Cyanocobalamin. Retief FP. **S Afr Med J** 49(42):1727, 4 Oct 75

[Trial treatment of early anemia in premature infants] Jobert J, et al. **Pediatrie** 30(8):809–20, Dec 75 **(Fre)**

[Therapeutic results with delta tomanol B, a new form of the so–called 'Tubingen bomb'. Experiences from a general practice] Laqué R. **Fortschr Med** 94(5):277–80, 12 Feb 76 (Eng. Abstr.) **(Ger)**

[Vitamin B 12. Its clinical significance and methods of determination] Neumann DE. **Med Lab (Stuttg)** 29(8):184–8, Aug 76 **(Ger)**

[Influence of UDPG, glutathione and vitamin B 12 therapy on various liver function indices in patients with liver cirrhosis] Coltorti M. **Clin Ter** 72(4):323–35, 28 Feb 75 **(Ita)**

[Critical assessment of the value of liver protection therapy] Rinetti M, et al. **Minerva Gastroenterol** 20(3):90–6, Jul–Sep 1974 (Eng. Abstr.) **(Ita)**

[Chemotherapy in gastrointestinal cancer] Nitter L. **Tidsskr Nor Laegeforen** 96(3):156–60, 30 Jan 76 (Eng. Abstr.) **(Nor)**

[Practical method of squint treatment] Witusik W. **Klin Oczna** 45(8):939–45, Aug 75 (Eng. Abstr.) **(Pol)**

[Attempted pathogenetic therapy of chronic degenerative arthritis] Russu G, et al. **Rev Med Chir Soc Med Nat Iasi** 79(2):191–5, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

[PABK—a highly effective preparation] Shelkaev I, et al. **Veterinariia** (3):34, Mar 76 **(Rus)**

[Comparative evaluation of the action of a propionic–acidophilic bouillon culture in dyspepsia] Vasin AD, et al. **Veterinariia** (7):92–3, Jul 76 **(Rus)**

[Continuous complex treatment of coronary atherosclerosis] Ivanchenko FT. **Vrach Delo** (2):38–41, Feb 74 (Eng. Abstr.) **(Rus)**

VITAMIN B 12 COENZYMES see **COBAMIDES**

VITAMIN B 12 DEFICIENCY

Cardiac structure and function in vitamin B–12–deprived rats. Petersen BJ, et al. **J Nutr** 105(12):1567–77, Dec 75

Nutrition and diseases of the blood: the megaloblastic anaemias. Baker SJ. **Prog Food Nutr Sci** 1(7–8):421–59, 1975

BLOOD

Effect of vitamin B12 and folic acid deficiencies on neutrophil function. Kaplan SS, et al. **Blood** 47(5):801–5, May 76

Vitamin B12 metabolism in the fruit bat (Rousettus aegyptiacus). The induction of vitamin B12 deficiency and its effect on folate levels. Van Tonder SV, et al. **Br J Nutr** 34(3):397–410, Nov 75

Red blood cell polyglutamyl folates in vitamin B12 deficiency. pp. 407–12. Perry J, et al. **In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.**

Correlations between the deoxyuridine–suppressed value and some conventional haematological parameters in patients with folate or vitamin B12 deficiency. Wickramasinghe SN, et al. **Scand J Haematol** 16(2):121–7, Feb 76

CHEMICALLY INDUCED

Letter: Ascorbic acid and vitamin B12 deficiency. Hines JD. **JAMA** 234(1):24, 6 Oct 75

COMPLICATIONS

Letter: Latent pernicious anaemia. Reading C. **Med J Aust** 2(3):111–2, 19 Jul 75

Complications of dietary deficiency of vitamin B12 in young Caucasians. Gleeson MH, et al. **Postgrad Med J** 50(585):462–64, Jul 74

Tropical ataxic myelopathy. Krishnaswamy K, et al. **Trop Geogr Med** 27(3):249–52, Sep 75

[Etiologic study of anemia of digestive origin] Cattan D, et al. **Tunis Med** 53(4):247–52, Jul–Aug 75 **(Fre)**

[Megaloblastic anaemia in childhood due to vitamin B12 deficiency, report of 3 cases of congenital selective vitamin B12 malabsorption (author's tranls)] Bienzle U, et al. **Klin Paediatr** 188(2):97–103, Mar 76 (Eng. Abstr.) **(Ger)**

[Proceedings: Selective vitamin B 12–malabsorption (Immerslud–Gräsbeck syndrome) as the cause of early infantile growth disorder] Harms K, et al. **Monatsschr Kinderheilkd** 123(5):428, May 75 **(Ger)**

[Mental symptoms of vitamin B12 deficiency] Fröscher W. **Z Allgemeinmed** 51(10):491–2, 10 Apr 75 **(Ger)**

[Disorders of the nervous system due to B12 and folate deficiency. Neuroanemic syndrome] Vázquez A, et al. **Rev Clin Esp** 138(2):99–106, 31 Jul 75 **(Ita)**

[Werlhof's syndrome in B12–deficient anemias] Arkavina EA. **Probl Gematol Pereliv Krovi** 21(6):52–3, Jun 76 **(Rus)**

[Cytogenetic aspects of the study of vitamin B 12 (folic)–deficiency anemias] Vorob'ev VG. **Ter Arkh** 47(6):99–105, 1975 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Metabolism of vitamin B12 and early signs of vitamin B12 deficiency in man. Tashev T, et al. **Bibl Nutr Dieta** (23):105–17, 1976 (64 ref.)

Vitamin B12 malabsorption associated with a normal Schilling test result. Streeter AM, et al. **Med J Aust** 1(3):54–5, 17 Jan 76

[Changes in the clinical picture of vitamin B–12 deficiency diseases] Spatz R, et al. **Nervenarzt** 47(3):169–72, Mar 76 **(Ger)**

DRUG THERAPY

Letter: Cyanocobalamin. Retief FP. **S Afr Med J** 49(42):1727, 4 Oct 75

ENZYMOLOGY

Studies of the mechanism by which hepatic citrate synthase activity increases in vitamin B12 deprivation. Mukherjee A, et al. **J Biol Chem** 241(7):2155–60, 10 Apr 76

ETIOLOGY

Hematologic abnormalities following gastric resection. Toskes PP. **Major Probl Clin Surg** 20:119–28, 1976

[Absorption of vitamin B 12: physiology and pathology] Dedieu P. **Arch Fr Mal App Dig** 64(1):65–82, Jan–Feb 75 (130 ref.) **(Fre)**

[Selective malabsorption of vitamin B 12 (Imerslund's disease) and its treatment. Apropos of 2 cases] Odievre M, et al. **Arch Fr Pediatr** 32(2):185–9, Feb 75 (Eng. Abstr.) **(Fre)**

METABOLISM

Interrelationships between the B–vitamins in B12–deficiency neuromyelopathy. A possible malabsorption–malnutrition syndrome. Dastur DK, et al. **Am J Clin Nutr** 28(11):1255–70, Nov 75

Effect of vitamin B–12 deficiency on the hepatic tissue concentration of acyl carnitines. Burton WC, et al. **Biochim Biophys Acta** 398(2):217–23, 25 Aug 75

The effect of methionine on the metabolism of serine and glycine in vitamin B–12–deficient rats. Vidal AJ, et al. **Biochim Biophys Acta** 399(2):228–43, 13 Aug 75

The anti–folate effect of methionine on bone marrow of normal and vitamin B12 deficient rats. Cheng FW, et al. **Br J Haematol** 31(3):323–36, Nov 75

Changes in folate metabolism in baboons Papio cynocephalus treated with 2–methyl–2–aminopropanol–B12. Siddons RC. **Br J Haematol** 29(2):263–71, Feb 75

A biochemical study of vitamin B12 deficiency in the baboon. Verjee ZH, et al. **Int J Vitam Nutr Res** 45(3):273–83, 1975

Biochemical and ultrastructural hepatic changes during vitamin B12 deficiency in animals and man. Frenkel EP,

et al. **J Biol Chem** 241(7):2147–54, 10 Apr 76

Defective leukocyte metabolism in human cobalamin deficiency: impaired propionate oxidation and serine biosynthesis reversible by cyanocobalamin therapy. Robertson JS, et al. **J Lab Clin Med** 87(1):89–97, Jan 76

Metabolic changes in golden hamsters fed vitamin B–12–deficient diets. Tseng RY, et al. **J Nutr** 106(1):77–85, Jan 76

Effect of vitamin B12 status on the occurrence of branched–chain and odd–numbered fatty acids in the liver lipids of the baboon. Garton GA, et al. **Lipids** 10(12):855–7, Dec 75

The vitamin B12–deficient rat as a possible model of ketotic hyperglycinemia. Rowley BO, et al. **Pediatr Res** 9(10):782–6, Oct 75

Proceedings: Vitamin deficiencies and brain metabolism. Bharaj B, et al. **West Afr J Pharmacol Drug Res** 2(1):105P, Dec 74

OCCURRENCE

Letter: Vitamin–B12 deficiency in Asian immigrants. Rose M. **Lancet** 02(7987):681, 25 Sep 76

[Frequent and rare forms of vitamin B 12 and folic acid deficiency anemias] Huser HJ. **Schweiz Med Wochenschr** 105(52):1823–9, 27 Dec 75 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Neuropathology of experimental vitamin B12 deficiency in monkeys. Agamanolis DP, et al. **Neurology (Minneap)** 26(10):905–14, Oct 76

[Polyneuropathy in vitamin B 12 and folic acid deficiency. Clinical and histopathological study with electron–microscopy analysis of the sural nerve] Bischoff A, et al. **Munch Med Wochenschr** 117(40):1593–8, 3 Oct 75 (Eng. Abstr.) **(Ger)**

VETERINARY

[PABK—a highly effective preparation] Shelkaev I, et al. **Veterinariia** (3):34, Mar 76 **(Rus)**

VITAMIN C see **ASCORBIC ACID**

VITAMIN D

Additive risk factors in atherosclerosis. Kummerow FA, et al. **Am J Clin Nutr** 29(5):579–84, May 76

Carbon–13 nuclear magnetic resonance spectra of vitamins D and related compounds. Tsukida K, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(6):411–20, 1975

Neonatal calcium homeostasis, vitamin D and parathyroid function. **Nutr Rev** 34(4):112–5, Apr 76 (15 ref.)

Vitamin D: the discovery of its metabolites and their therapeutic applications. Beale MG, et al. **Pediatrics** 57(5):729–41, May 76 (107 ref.)

Prevalences of leg and chest abnormalities in four South African schoolchild populations with special reference to vitamin D status. Richardson BD, et al. **Postgrad Med J** 51(591):22–9, Jan 75

Factors in human vitamin D nutrition and in the production and cure of classical rickets. Stamp TC. **Proc Nutr Soc** 34(2):119–30, Sep 75 (27 ref.)

Vitamin D and serum cholesterol. Lindén V, et al. **Scand J Soc Med** 3(2):83–5, 1975

[Quantum chemical computations of the conformative structure of conjugated biomolecules. 5. Quantum chemical computations of the conformative structure of conjugated compounds] Hofmann HJ, et al. **Pharmazie** 30(9):585–8, Sep 75 **(Ger)**

[New aspects of vitamin D] Pérez Mijares R, et al. **Rev Clin Esp** 139(1):9–12, 15 Oct 75 (18 ref.) **(Spa)**

ADMINISTRATION & DOSAGE

[Electromyographic study on the effect of oral calcium and vitamin D administration normocalcemic tetany] Deecke L, et al. **Nervenarzt** 47(2):130–2, Feb 76 **(Ger)**

[Prevention of rachitis] **Orv Hetil** 117(8):476–7, 22 Feb 76 **(Hun)**

ADVERSE EFFECTS

Letter: Multiple factors in the hyperlipidaemia of hypervitaminosis D. Lindén V, et al. **Br Med J** 4(5989):166, 18 Oct 75

Letter: Ischaemic heart disease, vitamins D and A, and magnesium. Seelig MS. **Br Med J** 3(5984):647–8, 13 Sep 75

Hypervitaminosis D in rabbits. Stevenson RG, et al. **Can Vet J** 17(2):54–7, Feb 76

Vitamin D and the heart. Lindén V. **Compr Ther** 1(5):34–7, Sep 75

Radioligand receptor assay for 25–hydroxyvitamin D2/D3 and 1 alpha, 25–dihydroxyvitamin D2/D3. Hughes MR, et al. **J Clin Invest** 58(1):61–70, Jul 76

Vitamin D toxicity after dieting in hypoparathyroidism. Connors MH, et al. **Pediatrics** 57(5):794–6, May 76

[Letter: Major hypercalcemia after medical treatment of cataracts] Sansonetti P, et al. **Nouv Presse Med** 4(30):2198, 20 Sep 75 **(Fre)**

[Overdoses of vitamin D] Reuter H, et al. **Hippokrates** 47(1):72–5, Feb 76 **(Ger)**

[Does vitamin D influence myocardial infarct?] Lindén V. **Z Aerztl Fortbild (Jena)** 70(3):156–8, 1 Feb 76 **(Ger)**

[Classification of hypervitaminosis D in children] Barlybaeva NA, et al. **Pediatriia** (11):53–6, Nov 75 (Eng. Abstr.) **(Rus)**

[Calcium metabolism and the problem of hypervitaminosis D (literature survey)] Tabolin VA, et al. **Vopr Okhr Materin Det** 19(1):46–51, Jan 74 **(Rus)**

ANALOGS & DERIVATIVES

Chemical modifications of androsta–1,4–diene–3,17–dione. II. Synthesis of 17–nor–vitamin D analogues having a hydroxy group at 1alpha–or 2beta–position and biological activity of 1alpha–hydroxy–17– nor–17,17–ethylenedioxyvitamin D. Sakamoto H, et al. **Chem Pharm Bull (Tokyo)** 23(8):1733–7, Aug 75

Acute administration of 25–hydroxycholecalciferol in man. Haddad JG Jr, et al. **J Clin Endocrinol Metab** 42(2):284–90, Feb 76

ANALYSIS

The electrochemical determination of vitamin A. Part II. Further voltammetric determination of vitamin A and initial work on the determination of vitamin D in the presence of vitamin A. Atuma SS, et al. **Analyst** 100(1196):827–34, Nov 75

A method for the gas chromatographic determination of vitamin D and related structures. De Leenheer AP, et al. **J Chromatogr Sci** 14(9):434–7, Sep 76

Gas–liquid chromatographic determination of vitamin D in multivitamin preparation. Kobayashi T, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(1):41–51, 1976

Combined assays for vitamins A, D (ergocalciferol), and E in multivitamin preparations with separation by reversed–phase partition chromatography. Strong JW. **J Pharm Sci** 65(7):968–74, Jul 76

[Use of silica gel chromatography in vitamin D assays in Vitastol] Galecka H. **Acta Pol Pharm** 32(5):629–32, 1975 (Eng. Abstr.) **(Pol)**

BLOOD

The effect of anticonvulsant therapy on serum levels of 25–hydroxy–vitamin D, calcium, and parathyroid hormone. Bouillon R, et al. **J Clin Endocrinol Metab** 41(06):1130–5, Dec 75

The transport of vitamin D and its 25–hydroxy metabolite in human plasma. Isolation and partial characterization of vitamin D and 25–hydroxyvitamin D binding protein. Imawari M, et al. **J Clin Invest** 58(2):514–23, Aug 76

Nutritional osteomalacia (metabolic aspects with particular reference to serum vitamin D activity). Teotia SP, et al. **J Indian Med Assoc** 65(1):1–8, 1 Jul 75

Studies of vitamin D deficiency in man. Preece MA, et al. **Q J Med** 44(176):575–89, Oct 75

[Primary hyperparathyroidism (1st degree HPT): plasma vitamin D and urinary cyclic AMP during the postoperative phase] Schmidt–Gayk H, et al. **Langenbecks Arch Chir** Suppl:481–67, 1975 (Eng. Abstr.) **(Ger)**

METABOLISM

Abnormal vitamin D metabolism in patients with cirrhosis. Hepner GW, et al. **Am J Dig Dis** 21(7):527–32, Jul 76

Metabolism and mechanism of action of vitamin D. DeLuca HF, et al. **Annu Rev Biochem** 45:631–66, 1976 (283 ref.)

Response of renal calcium–binding protein. Independence of kidney vitamin D hydroxylation. Bar A, et al. **Biochim Biophys Acta** 411(1):106–12, 10 Nov 75

Some characteristics of new tissue–binding proteins for metabolites of vitamin D other than 1,25–dihydroxyvitamin D. Lawson DE, et al. **Biochim Biophys Acta** 437(2):403–15, 21 Jul 76

Maternal–perinatal interrelationships of vitamin D metabolism in rats. Weisman Y, et al. **Biochim Biophys Acta** 428(2):388–95, 23 Apr 76

Enzyme–inducing agents and their effect on vitamin D metabolism. Neale G. **Front Gastrointest Res** 2:32–70, 1976 (149 ref.)

Regulation of intestinal calcium absorption in the laying quail: independent of kidney vitamin D hydroxylation. Bar A, et al. **J Nutr** 106(9):1336–42, Sep 76

Demonstration of two different vitamin D–dependent calcium–binding proteins in rat intestinal mucosa. Moriuchi S, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(4):251–9, 1975

Skeletal resistance to the calcemic action of parathyroid hormone in uremia: role of 1,25 (OH)2 D3. Massry SG, et al. **Kidney Int** 9(6):467–74, Jun 76

Current concepts of parathyroid hormone and vitamin D metabolism: perturbations in chronic renal disease. Slatopolsky E, et al. **Kidney Int [Suppl]** (2):90–6, Jan 75 (53 ref.)

Regulation of vitamin D metabolism. DeLuca HF. **Life Sci** 17(9):1351–8, 1 Nov 75 (48 ref.)

Effect of prolactin on vitamin D metabolism. Spanos E, et al. **Mol Cell Endocrinol** 5(3–4):163–7, Aug–Sep 76

Editorial: The pieces to the vitamin D puzzle fall into place—almost! Wright DR. **N Engl J Med** 293(17):872–3, 23 Oct 75

Vitamin d and the kidney. Hill LF, et al. **Nephron** 15(3–5):369–86, 1975 (63 ref.)

Advances in the knowledge of the metabolism of vitamin D. Fraser DR. **Proc Nutr Soc** 34(2):139–43, Sep 75 (17 ref.)

[Gastrointestinal 47Ca absorption in hepatic and renal disease with respect to conversion of D–vitamin to its active metabolites (author's transl)] Kocián J, et al. **Cas Lek Cesk** 114(41):1261–3, 10 Oct 75 (Eng. Abstr.) **(Cze)**

[Active metabolites of vitamin D. Recent acquisitions] Guignard J, et al. **Maroc Med** 55(591):286–9, Jun 75 **(Fre)**

[Osteomalacy induced by anticonvulsants. One case with a study of vitamin D metabolism] Lemaire V, et al. **Nouv Presse Med** 4(44):3121–4, 20 Dec 75 **(Fre)**

[Renal osteopathy] Binswanger U. **Schweiz Med Wochenschr** 105(50):1683–90, 13 Dec 75 (Eng. Abstr.) **(Ger)**

[New knowledge about vitamin D and fluorides] Schreier KK. **Zahnaerztl Mitt** 66(11):546–50, 1 Jun 76 **(Ger)**

[Activation of vitamin D and its 2–stage regulatory mechanism in the kidney] Suda T. **Jpn J Nephrol** 16(5):499–505, May 74 **(Jpn)**

[Clinical significance of vitamin D metabolites] Araszkiewicz Z. **Pol Arch Med Wewn** 54(4):387–93, Oct 75 **(Pol)**

[Metabolites of vitamin D and their biological function (author's transl)] Zimowski JJ. **Postepy Biochem** 22(1):91–110, 1976 **(Pol)**

PHARMACODYNAMICS

Examination with x–ray diffraction of cartilaginous tissues of rats of different ages with and without vitamin D treatment. Földes I, et al. **Acta Biochim Biophys Acad Sci Hung** 10(4):297–306, 1975

Ultrastructural evaluation of the interaction of glucocorticoids and vitamin D on bone cells in thyroparathyroidectomized rats. Weisbrode SE, et al. **Am J Pathol** 84(3):457–68, Sep 76

The influence of dietary calcium and phosphorus on intestinal calcium transport in rats given vitamin D metabolites. Ribovich ML, et al. **Arch Biochem Biophys** 170(2):529–35, Oct 75

The in vitro effects of vitamin D on oxidative phosphorylation and adenosine triphosphatase activity by rat liver mitochondria. Chudapongse P, et al. **Biochem Pharmacol** 24(23):2127–32, 1 Dec 75

Biologic effects of short–term phenobarbital treatment on the response to vitamin D and its metabolites in the chick. Norman AW, et al. **Biochem Pharmacol** 25(2):163–8, 15Jan 76

Stimulation of vitamin D–dependent Ca–ATPase and of intestinal caldium absorption by diphenylhydantoin. De Wolff FA. **Eur J Pharmacol** 33(1):71–9, Aug 75

Supravalvular aortic stenosis–infantile hypercalcaemia syndrome: in vitro hypersensitivity to vitamin D2 and calcium. Becroft DM, et al. **J Med Genet** 13(3):223–8, Jun 76

Effect of vitamin D on serum cholesterol and arterial blood pressure in infants. Curčić VG, et al. **Nutr Metab** 18(2):57–61, 1975

Comparative effects of vitamin D and 25–hydroxycholecalciferol on the calcium content of cultured bone rudiments. Davidson WM. **Pharmacol Ther Dent** :223–8, 1975

Effects of dietary vitamin D and calcium on lysyl oxidase activity in chick bone metaphyses. Gonnerman WA, et al. **Proc Soc Exp Biol Med** 151(3):453–6, Mar 76

[Effects of administering diets with starch or sucrose basis on certain parameters of calcium metabolism in the young, growing rat] Artus M. **Ann Nutr Aliment** 29(4):305–12, 1975 (Eng. Abstr.) **(Fre)**

[Strontium and calcium metabolism. Interaction of strontium and vitamin D] Rousselet F, et al. **C R Soc Biol (Paris)** 169(2):322–9, 1975 (Eng. Abstr.) **(Fre)**

[News on the action of Vitamin D] Domagk GF. **Hippokrates** 45(4):503–4, Nov 74 **(Ger)**

[Studies on calcium absorption out of a calcium–vitamin–D–preparation using calcium–47 (author's transl)] Seim KE, et al. **Med Klin** 71(36):1439–43, 3 Sep 76 (Eng. Abstr.) **(Ger)**

[Exocrine pancreatic function and calcium balance. Experimental studies of the effect of parathyroid hormone, vitamin D3, 25–hydroxycholecalciferol, dihydrotachysterin and thyrocalcitonin (author's transl)] Heidbreder E, et al. **Res Exp Med (Berl)** 166(2):147–63, 11 Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of vitamin D on bone tissue] Galus K. **Pol Arch Med Wewn** 54(5):463–74, Nov 75 (56 ref.) **(Pol)**

PHYSIOLOGY

The evolutionary significance of vitamin D, skin pigment, and ultraviolet light. Neer RM. **Am J Phys Anthropol** 43(3):409–16, Nov 75

Vitamin D–dependent, particulate calcium–binding activity and intestinal calcium transport. Kowarski S, et al. **Am J Physiol** 229(5):1198–1204, Nov 75

Vitamin D endocrinology. DeLuca HF. **Ann Intern Med** 85(3):367–77, Sep 76 (104 ref.)

Recent advances in our understanding of the vitamin D endocrine system. De Luca HF. **J Lab Clin Med** 87(1):7–26, Jan 76 (104 ref.)

POISONING

Factitious hypercalcaemia. Belchetz PE, et al. **Br Med J** 1(6011):690–1, 20 Mar 76

Letter: Hypercalcaemia. Jeremiah GM, et al. **Lancet** 1(7958):547–8, 6 Mar 76

[Vitamin D poisoning] Lundkvist L. **Lakartidningen** 72(36):3305–7, 3 Sep 75 (Eng. Abstr.) **(Swe)**

RADIATION EFFECTS

[Photoisomerization of provitamins D under influence of various ultraviolet radiation] Yakhimovich RI, et al. **Prikl Biokhim Mikrobiol** 11(2):254–7, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Vitamin D resistance in magnesium deficiency. Medalle R, et al. **Am J Clin Nutr** 29(8):854–8, Aug 76

Proceedings: Effect of combined therapy with sodium fluoride, calcium, and vitamin D on the lumbar spine in osteoporosis. Hansson T, et al. **Am J Roentgenol** 126(6):1294, Jun 76

Correspondence: Vitamin D supplements. Reich CJ. **Can Med Assoc J** 114(8):668, 671, 17 Apr 76

The effects of phosphate and vitamin D therapy on osteopenic, hypophosphatemic osteomalacia of childhood. Teitelbaum SL, et al. **Clin Orthop** (116):38–47, May 76

Editorial: Vitamin D. Laha PN. **J Assoc Physicians India** 23(4):273–6, Apr 75

Effects of oral therapy with calcium and vitamin D in primary osteoporosis. Riggs BL, et al. **J Clin Endocrinol Metab** 42(6):1139–44, Jun 76

Histological, hormonal, biochemical and radiological evaluation of vit. D therapy in osteodystrophy patieats on RDT. Brancaccio D, et al. **J Urol Nephrol (Paris)** 82(4–5):359–62, Apr–May 76

Non–familial vitamin D–resistant hypophosphataemic osteomalacia of adult onset: case report. Reeve JK, et al. **NZ Med J** 83(555):15–7, 14 Jan 76

Vitamin D and the kidney. Boyle IT. **Proc Eur Dial Transplant Assoc** 12:113–20, 1976 (17 ref.)

[The metabolic effect of vitamins D in chronic renal insufficiency (author's transl)] Hrba J, et al. **Sb Lek** 77(7):198–204, Jul 75 (Eng. Abstr.) **(Cze)**

[Treatment of calcium dysregulation in old age] Klotz HP. **Sem Hop Ther** 52(4):229–30, Apr 76 **(Fre)**

[Vitamin–D–resistant rickets: results of 12 months combined vitamin D and phosphate therapy] Krohn HP, et al. **Monatsschr Kinderheilkd** 124(5):417–9, May 76 **(Ger)**

[Comparative clinical and histomorphological studies on the therapy of renal osteopathy using vitamin D and 5,6–trans–25–OHCC] Schulz W, et al. **Verh Dtsch Ges Inn Med** 81:976–80, 1975 **(Ger)**

[Corticosteroids, osteoporosis and vitamin D. New and interesting results] Naess K. **Tidsskr Nor Laegeforen** 96(9–10):589, 30 Mar 76 **(Nor)**

[A case of tuberculosis verrucosa] de las Obras JM, et al. **Actas Dermosifiliogr** 66(7–8):419–20, Jul–Aug 75 **(Spa)**

[Therapeutic effects of vitamin D and vitamin A in psoriasis (a 20–year experiment)] Dochao A, et al. **Actas Dermosifiliogr** 66(3–4):121–30, Mar–Apr 75 **(Spa)**

TOXICITY

Experimental vitamin D toxixity and hypertension in the dog. Spangler WL, et al. **Vet Pathol** 12(1):66, 1975

Cervical scoliosis and kidney lesions in sheep following dosage with vitamin D. Clegg FG, et al. **Vet Rec** 98(8):144–6, 21 Feb 76

VITAMIN D DEFICIENCY

The comparative effects of vitamin d deficiency and ethane–1–hydroxy–1,1–diphosphonate administration on the histology and glycolysis of chick epiphyseal and articular cartilage. Bisaz S, et al. **Calcif Tissue Res** 19(2):139–52, 18 Dec 75

Vitamin–D deficiency osteomalacia in Northern India. Vaishnava H. **J Assoc Physicians India** 23(8):477–84, Aug 75

Maternal factors in the aetiology of neonatal hypocalcaemia. Watney PJ. **Postgrad Med J** 51 suppl 3:14–7, 1975

Asian rickets and osteomalacia: patterns of parathyroid response in vitamin D deficiency. Stanbury SW, et al. **Proc Nutr Soc** 34(2):111–7, Sep 75 (8 ref.)

[Vitamin D deficiency. Osteopathy after prolonged treatment with anticonvulsents (author's transl)] Wendenburg HH, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):7–11, Jan 76 **(Ger)**

BLOOD

Maintenance by cortisone of the calcemic response to parathyroid extract of rats on a diet without vitamin D and low in calcium. Pavlovitch H, et al. **Calcif Tissue Res** 20(3):261–74, 14 Jun 76

Studies of vitamin D deficiency in man. Preece MA, et al. **Q J Med** 44(176):575–89, Oct 75

CHEMICALLY INDUCED

Effects of anticonvulsants and inactivity on bone disease in epileptics. Murchison LE, et al. **Postgrad Med J** 51(591):18–21, Jan 75

[Unusual manifestation of vitamin D metabolism disorder in a patient treated with anticonvulsants (author's transl)] Wilczek H, et al. **Cas Lek Cesk** 115(5):147–50, 6 Feb 76 (Eng. Abstr.) **(Cze)**

COMPLICATIONS

Nutritional osteomalacia associated with primary hyperparathyroidism. Rizvi SN, et al. **J Assoc Physicians India** 23(11):713–20, Nov 75

Secondary hyperparathyroidism in nutritional osteomalacia. Rizvi SN, et al. **J Indian Med Assoc** 64(8):199–204, 16 Apr 75

Nutritional osteomalacia (metabolic aspects with particular reference to serum vitamin D activity). Teotia SP, et al. **J Indian Med Assoc** 65(1):1–8, 1 Jul 75

Vitamin D and urinary amino acid excretion in the rabbit. Matsuda I, et al. **J Nutr Sci Vitaminol (Tokyo)** 20(6):471–3, 1974

Tissue alkaline phosphatase activity in rickets due to vitamin–D deficiency. Ozsoylu S, et al. **Turk J Pediatr** 26(2):53–8, Apr 74

[Vitamin D deficiency: cause of generalized hyperaminoaciduria in the severely mentally retarded] Cholnoky P, et al. **Orv Hetil** 117(7):406, 15 Feb 76 **(Hun)**

CONGENITAL

Congenital hyperparathyroidism and vitamin D deficiency secondary to maternal hypoparathyroidism. Sann L, et al. **Acta Paediatr Scand** 65(3):381–5, May 76

DIAGNOSIS

Intestinal CaBP: a new quantitive index of vitamin D deficiency in the rat. Bronner F, et al. **Am J Physiol** 229(3):689–94, Sep 75

DRUG THERAPY

Response to crystalline 1alpha–hydroxyvitamin D3 in vitamin D dependency. Reade TM, et al. **Pediatr Res** 9(7):593–9, Jul 75

ENZYMOLOGY

Alkaline phosphatase activity in the enamel organs of normal and rachitogenic rats. Moe D, et al. **Arch Oral Biol** 21(1):13–6, 1976

ETIOLOGY

Vitamin D deficiency rickets. Two cases with faulty infant feeding practices. Castile RG, et al. **Am J Dis Child** 129(8):964–6, Aug 75

METABOLISM

Further evidence for the 1,25–dihydroxyvitamin D–like activity of Solanum malacoxylon Peterlik M, et al. **Biochem Biophys Res Commun** 70(3):797–804, 7 Jun 76

Maturation of chick bone collagen and quantification of its structural crosslinks: vitamin D status and cohesiveness of the collagen macromolecular matrix. Mechanic GL. **Calcif Tissue Res** 21 Suppl:177–84, Aug 76

The metabolism of labeled parathyroid hormone. VI. Effects of vitamin D status. Neuman MW, et al. **Calcif Tissue Res** 18(4):289–95, 17 Sep 75

Sites of clearance of endogenous parathyroid hormone in the vitamin D–deficient dog. Catherwood BD, et al. **Endocrinology** 98(1):228–36, Jan 76

Effects of parathyroid hormone on the accumulation of cyclic AMP in bone of vitamin D–deficient rats. Kakuta S, et al. **Endocrinology** 97(5):1288–93, Nov 75

Duodenal active transport of calcium and phosphate in vitamin D–deficient rats: effects of nephrectomy, Cestrum diurnum, and 1alpha,25–dihydroxyvitamin D3. Walling MW, et al. **Endocrinology** 98(5):1130–4, May 76

Renal adenylate cyclase and the interrelationship between parathyroid hormone and vitamin D in the regulation of urinary phosphate and adenosine cyclic 3',5'–monophosphate excretion. Forte LR, et al. **J Clin Invest** 57(3):559–68, Mar 76

The effect of hepatectomy on the synthesis of 25–hydroxyvitamin D3 Olson EB Jr, et al. **J Clin Invest** 57(5):1213–20, May 76

Regulation of intestinal calcium absorption in the laying quail: independent of kidney vitamin D hydroxylation. Bar A, et al. **J Nutr** 106(9):1336–42, Sep 76

Studies on the 1alpha, 25–dihydroxycholecalciferol–like activity in a calcinogenic plant. Cestrum diurnum, in the chick. Wasserman RH, et al. **J Nutr** 106(4):457–65, Apr 76

Rickets then and now. Harrrison HE, et al. **J Pediatr** 87(6 PT 2):1144–51, Dec 75 (22 ref.)

PATHOLOGY

Mitochondriosis of the hepatocytic cytoplasm in rachitic rat liver after calcitonin–treatment (a cytophotometric and morphometric study). Riede UN, et al. **Beitr Pathol** 155(3):263–84, Jul 75

PHYSIOPATHOLOGY

Parathyroid function in chronic vitamin D deficiency in man: a model for comparison with chronic renal failure. Stanbury SW, et al. **Calcif Tissue Res** 21 Suppl:185–201, Aug 76

PREVENTION & CONTROL

Prevention of vitamin–D deficiency in Asians. Pietrek J, et al. **Lancet** 1(7970):1145–8, 29 May 76

Letter: Classical rickets and osteomalacia in Britain. Stamp TC, et al. **Lancet** 2(7980):308, 7 Aug 76

URINE

Urinary excretion of adenosine 3'5' monophosphate in vitamin D deficiency. Vainsel M, et al. **Eur J Clin Invest** 6(2):127–30, 31 Mar 76

VITAMIN D 2 see **ERGOCALCIFEROL**

VITAMIN D 3 see **CHOLECALCIFEROLS**

VITAMIN DEFICIENCY see **AVITAMINOSIS**

VITAMIN E

Vitamin E: a reexamination. Horwitt MK. **Am J Clin Nutr** 29(5):569–78, May 76 (55 ref.)

Oxidation of alpha–tocopherol model compound by superoxide anion. Nishikimi M, et al. **Arch Biochem Biophys** 170(2):684–9, Oct 75

Lateral diffusion, order parameter and phase transition in phospholipid bilayer membranes containing tocopheryl acetate. Schmidt D, et al. **Biochim Biophys Acta** 443(1):1–9, 4 Aug 76

Vitamin E: fact and speculation. pp. 22–4. Alfin–Slater RB.

In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.

Differential effects of high dietary levels of vitamin A on the vitamin E–selenium nutrition of young and adult chickens. Combs GF Jr. **J Nutr** 106(7):967–75, Jul 76

Oxidation of N–methyl–gamma–tocopheramine to a nitroxide. Murphy PA, et al. **Lipids** 11(4):296–8, Apr 76

A radical scavenging reaction of alpha–tocopherol with methyl radical. Urano S, et al. **Lipids** 11(5):380–3, May 76

[Autoxidation rate increase of linoleic acid in the presence of tocopherol in aqueous medium ; study of the transformation of tocopherol] Cillard J, et al. **C R Acad Sci [D] (Paris)** 281(5–8):455–8, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Role of vitamin E in the nutrition of young children] Ott VD, et al. **Pediatriia** (11):84–8, Nov 75 **(Rus)**

ADMINISTRATION & DOSAGE

The effect of vitamin E on serum bilirubin levels in the newborn. Sinniah D, et al. **J Singapore Paediatr Soc** 17(2):124–6, Oct 75

[The difference in cholesterol metabolism by tocopheryl linolate and a mixture of tocopherol and linoleic acid with special reference to biosynthesis, absorption and excretion (author's transl)] Nakamura H, et al. **Hokkaido J Med Sci** 50(5):476–84, Sep 75 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Influence of excess vitamin E on vitamin A toxicity in rats. Jenkins MY, et al. **J Nutr** 105(12):1600–6, Dec 75

Hypervitaminosis E and coagulation. **Nutr Rev** 33(9):269–70, Sep 75 (7 ref.)

ANALOGS & DERIVATIVES

Activation of cyclic AMP phosphodiesterase by a new vitamin E derivative. Sakai T, et al. **J Cyclic Nucleotide Res** 2(3):163–70, 1976

[Protective effect of tocopheryl esters on pulmonary edema induced by epinephrine] Fujimoto M, et al. **Folia Pharmacol Jpn** 72(1):15–21, 1976 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Quantitative determination of tocopherols by high–speed liquid chromatography. Abe K, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(3):183–8, 1975

Micro–determinations of alpha–tocopherol in tissue lipids. Nishiyama J, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(5):355–61, 1975

Combined assays for vitamins A, D (ergocalciferol), and E in multivitamin preparations with separation by reversed–phase partition chromatography. Strong JW. **J Pharm Sci** 65(7):968–74, Jul 76

Sensitive fluorometric method for tissue tocopherol analysis. Taylor SL, et al. **Lipids** 11(7):530–8, Jul 76

[Vitamin E supply by diet] Blattná J, et al. **Nahrung** 16(8):891–6, 1972 (Eng. Abstr.) **(Ger)**

[Vitamin E determination in food] v. Lengerken J, et al. **Nahrung** 16(7):751–66, 1972 (Eng. Abstr.) **(Ger)**

[Study of the tocopherols and sterols of certain plant oils] Nadirov NK, et al. **Prikl Biokhim Mikrobiol** 11(5):805–7, Sep–Oct 75 **(Rus)**

[Use of colour reactions to identify lipid classes, including tocopherols, by thin–layer chromatography] Semyonova LI, et al. **Prikl Biokhim Mikrobiol** 11(6):922–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

BLOOD

Selenium, vitamin E and copper in multiple sclerosis. Wikström J, et al. **Acta Neurol Scand** 54(3):287–90, Sep

76
Essential fatty acid deficiency in adults receiving total parenteral nutrition. Fleming CR, et al. **Am J Clin Nutr** 29(9):976–83, Sep 76
Vitamin E and C levels in infants during the first year of life. Vobecky JS, et al. **Am J Clin Nutr** 29(7):766–71, Jul 76
Studies on the role of vitamin E in the oxidation of blood components by fatty hydroperoxides. Shimasaki H, et al. **Arch Biochem Biophys** 169(2):506–12, Aug 75
Vitamin E concentrations in term and preterm newborns and their clinical course. Petrich C, et al. **Eur J Pediatr** 122(4):275–9, 12 Jul 76
Concurrent determination of alpha–tocopherol and free fatty acids in human plasma by glass open tubular capillary column gas chromatography. Lin SN, et al. **J Chromatogr** 112:465–82, 29 Oct 75
The transport of alpha–tocopherol and beta–carotene in human blood. Bjornson LK, et al. **J Lipid Res** 17(4):343–52, Jul 76
Tocopherol in human platelets. Nordoy A, et al. **J Lipid Res** 16(5):386–91, Sep 75
Relationship between serum vitamin E levels and serum cholesterol in normal adults in rural regions of Yamagata Prefecture, Japan. Shitara H, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(2):101–4, 1976
Vitamin E and periodontal disease. Slade EW Jr, et al. **J Periodontol** 47(6):352–4, Jun 76
Automated colorimetric method for the determination of serum tocopherol. Gutteridge JM, et al. **Lab Pract** 25(1):25–7, Jan 76
Serum tocopherol (vitamin E) status of Malaysians. Ng TK, et al. **Med J Malaysia** 30(3):169–74, Mar 75
Outcome of pregnancy from day 0 to 19 and serum tocopherol levels in mother rats fed on a rapeseed protein concentrate essentially free from glucosinolates. Eklund A. **Nutr Metab** 19(3–4):173–9, 1975
Effect of insulin hypoglycaemia on adrenocortical function and blood plasma vitamin E and cholesterol levels in suckling and weaned piglets. Dvořák M, et al. **Physiol Bohemoslov** 25(1):7–11, 1976
[The effect of a Czechoslowak geriatric drug on the blood vitamin level] Dítě P, et al. **Z Alternsforsch** 29(4):391–3, 1975 **(Ger)**
[Case of juvenile form of metachromatic leukodystropy associated with low serum levels of beta–lipoproteins and vitamin E] Tanaka H, et al. **Clin Neurol (Tokyo)** 15(6):355–64, Jun 75 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Syntheses of (2R,4'R,8'R)–alpha–tocopherol and (2R,3'E,7'E)–alpha–tocotrienol. Scott JW, et al. **Helv Chim Acta** 59(1):290–306, 28 Jan 76

METABOLISM

Effect of carbon–tetrachloride and mercuric chloride on the tocopherol and ubiquinone content of liver and kidney. Kövér G, et al. **Acta Biol Acad Sci Hung** 26(1–2):67–73, 1975
Retention of selenium in tissues of calves, lambs, and pigs after parenteral injection of a selenium–vitamin E preparation. Van Vleet JF. **Am J Vet Res** 36(9):1335–40, Sep 75
An alpha–tocopherol binding protein in rat liver cytoplasm. Catignani GL. **Biochem Biophys Res Commun** 67(1):66–72, 3 Nov 75
Tocopherol distribution in the harp seal, Pagophilus groenlandicus. Engelhardt FR, et al. **Comp Biochem Physiol [B]** 52(4):561–2, 15 Dec 75
Binding of D–alpha–tocopherol to rat liver nuclear components. Patnaik RN, et al. **Experientia** 31(9):1023–4, 15 SEP 75
Biochemical function of selenium and its relation to vitamin E. Hoekstra WG. **Fed Proc** 34(11):2083–9, Oct 75 (50 ref.)
Protection of environmentally stressed human cells in culture with the free radical scavenger, dl–alpha–tocopherol. pp. 519–35. Packer L.
In: Smith KC, ed. Aging, carcinogenesis, and radiation biology. New York, Plenum Press, 1976. QU 58 A267 1975. (20 ref.)
Effect of polyunsaturated fatty acids and vitamin E level of the sow gestation diet on reproductive performance and on level of alpha tocopherol in colostrum, milk and dam and progeny blood serum. Malm A, et al. **J Anim Sci** 42(2):393–9, Feb 76
Dietary tocopherol and sexual reproduction in the rotifers Brachionus calyciflorus and Asplanchna sieboldi. Gilbert JJ, et al. **J Exp Zool** 194(3):485–93, Dec 75
Vitamin e, cholesterol, and lipids during atherogenesis in rabbits. Bitman J, et al. **Lipids** 11(6):449–61, Jun 76
Studies on tocopherol derivatives: V. Intestinal absorption of several d,l–3,4–3H2–alpha–tocopheryl esters in the rat. Nakamura T, et al. **Lipids** 10(10):627–33, Oct 75
Effect of non–ionic detergents on the absorption of fat and alpha–tocopherol in the rat. Sheltaway MJ et al. **Nutr Metab** 18(5–6):267–71, 1975
Effects of dietary polychlorinated biphenyls on vitamin E and selenium nutrition in the chick. Combs GF Jr, et al. **Poult Sci** 54(4):1143–52, Jul 75
[Vitamin E concentration in blood and tissues of growing pigs fed on varying DL–a–Tocopherylacetate supplements] Roth FX, et al. **Int J Vitam Nutr Res** 45(3):333–41, 1975 (Eng. Abstr.) **(Ger)**
[Role of tocopherol in radiation injury to Pisum sativum] Stepanian LG, et al. **Radiobiologiia** 15(6):931–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Interrelation between natural and synthetic antioxidants in the organism] Aristarkhova SA, et al. **Vopr Med Khim** 21(3):231–5, May–Jun 75 **(Rus)**

PHARMACODYNAMICS

The effect of vitamin E on platelet aggregation. Gomes JA, et al. **Am Heart J** 91(4):425–9, Apr 76
The effect of dietary lipids and vitamin E on lipid peroxide formation, cytochrome P–450 and oxidative demethylation in the endoplasmic reticulum. Rowe L, et al. **Biochem Pharmacol** 25(2):175–9, 15Jan 76
Dietary vitamin E and the effects of inhaled nitrogen dioxide on rat lungs. Ramazzotto LJ, et al. **Environ Physiol Biochem** 5(4):226–34, 1975
Protective effect of vitamin E on reduction in colony formation of cultured human cells by bisulfite. Kuroda Y. **Exp Cell Res** 94(2):442–5, Sep 75
Ultrastructural and stereological study on the effect of vitamin E on liver mitochondrial membranes. Frigg M, et al. **Exp Mol Pathol** 24(2):236–43, Apr 76
Alpha–tocopherol: its inhibition on human platelet aggregation. Fong JS. **Experientia** 32(5):639–41, 15 May 76
Restoration of cyclic phosphorylation in heptane–extracted spinach chloroplasts by alpha–tocopherol. Baszyński T, et al. **FEBS Lett** 57(1):104–6, 1 Sep 75
Mechanisms of action of selenium and vitamin E in protection of biological membranes. Combs GF Jr, et al. **Fed Proc** 34(11):2090–5, Oct 75 (81 ref.)
Alterations in the red blood cell membrane and the effect of vitamin E on osmotic fragility in beta–thalassemia major. Kahane I, et al. **Isr J Med Sci** 12(1):11–5, Jan 76
Effect of supplemental dietary vitamin E on the serologic response of swine to an Escherichia coli bacterin. Ellis RP, et al. **J Am Vet Med Assoc** 168(3):231–2, 1 Feb 76
Vitamin E. An inhibitor of the platelet release reaction. Steiner M, et al. **J Clin Invest** 57(3):732–7, Mar 76
Relative activity of alpha–tocopherol and gamma–tocopherol in preventing oxidative red cell hemolysis. Bieri JG, et al. **J Nutr** 106(1):124–7, Jan 76
Effect of dietary alpha tocopherol on liver microsomes and mitochondria of aging rats. Grinna LS. **J Nutr** 106(7):918–29, Jul 76
Influence of dietary peroxides, selenium and vitamin E on glutathione peroxidase of the gastrointestinal tract. Vilas NN, et al. **J Nutr** 106(5):589–96, May 76
Effect of dilauryl succinate on reproduction of the cock and hen and preventive effect of vitamin E. Yoshida M, et al. **J Nutr** 106(8):1184–91, Aug 76
Structural requirements of steroids for their action as inhibitors of oxidative phosphorylation. Effect of alpha–tocopherol on the inhibition of oxidative phosphorylation by progesterone. Swierczyński J, et al. **J Steroid Biochem** 6(8):1235–42, Aug 75
Inhibition of plasmin–mediated fibrinolysis by vitamin E. Moroz LA, et al. **Nature** 259(5540):235–7, 22 Jan 76
Vitamin E and sex behavior in mice. Thiessen DD, et al. **Nutr Metab** 18(3):116–9, 1975
Effect of diethylstilbestrol, ascorbic acid and vitamin E on serum lipid patterns. Clegg RE, et al. **Poult Sci** 55(3):1104–11, May 76
The inhibitory effect of vitamin E on desferrioxamine–induced iron excretion in rats. Hershko C, et al. **Proc Soc Exp Biol Med** 152(2):249–52, Jun 76
Vitamin E supplementation and glutathione peroxidase activity. Yang NY, et al. **Proc Soc Exp Biol Med** 151(4):770–4, Apr 76
Influence of dietary vitamin E on prostaglandin biosynthesis in rat blood. Hope WC, et al. **Prostaglandins** 10(4):557–67, Oct 75
[The fine structure of erythrocyte membrane of paroxysmal nocturnal hemoglobinuria with freeze–etching method—the effect of vitamin E and inuline (author's transl)] Tada S, et al. **Acta Haematol Jpn** 38(5):495–502, Oct 75 (Eng. Abstr.) **(Jpn)**
[The protective effect of vitamin E on the erythrocyte membrane in a case of paroxysmal nocturnal hemoglobinuria (author's transl)] Tada S, et al. **Jpn J Clin Hematol** 16(1):25–30, Jan 75 (Eng. Abstr.) **(Jpn)**
[Measurement of plasma lipoperoxide and effect of vitamin E administration on plasma lipoperoxide level (author's transl)] Naito C, et al. **Jpn J Clin Pathol** 23(7):545–9, Jul 75 **(Jpn)**
[Supramolecular changes in preserved corneal tissue exposed to alpha–tocopherol] Travkin AG, et al. **Biull Eksp Biol Med** 80(7):38–41, Jul 75 (Eng. Abstr.) **(Rus)**
[Effect of pharmacological substances on lysosome membranes in eye tissues] Kasavina BS, et al. **Dokl Akad Nauk SSSR** 226(2):460–2, 11 Jan 76 **(Rus)**
[A cytogenetic analysis of the antimutagenic action of alpha–tocopherol on spontaneous and radiation–induced chromosomal mutations] Alekperov UK, et al. **Genetika** 10(7):12–17, 1975 (Eng. Abstr.) **(Rus)**
[Effect of alpha–tocopherol and cortisone on some biochemical characteristics of allergic hepatitis] Linchevskaia AA. **Patol Fiziol Eksp Ter** (5):45–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Modification of the antimutagenic activity of alpha–tocopherol by administration at different periods of G1] Alekperov UK. **Tsitol Genet** 10(1):40–2, Jan–Feb 76 **(Rus)**
[The effect of vitamin E and rancid fish liver oil on the spinal cord motoneurons of white rats] Teplyĭ DL, et al. **Tsitologiia** 18(3):296–300, Mar 76 (Eng. Abstr.) **(Rus)**
[The effect of vitamins A and E on the amino acid composition of proteins in different segments of the brain in aged animals] Leutskiĭ KM, et al. **Vopr Pitan** (5):21–4, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Role of hormonal and seasonal factors in the effect of vitamin E on cholinesterase activity in the nervous system] Teplyĭ DL, et al. **Vopr Pitan** (1):27–31, Jan–Feb 1975 (Eng. Abstr.) **(Rus)**
[Effect of phenylalanine and alpha–tocopherol on ubiquinone and ubichromenol metabolism in the liver of E–avitaminotic rats in vitro] Chernukhina LA, et al. **Ukr Biokhim Zh** 48(2):206–10, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**
[Content of ubiquinone and ubichromenol in rat liver at various levels of vitamin E saturation of the body] Chernukhina LO, et al. **Ukr Biokhim Zh** 47(4):518–21, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

[Influence of vitamin E– vitamin A–dedicient diet on the copper sensitivity of erythrocytes: biological significance of vitamin E] Schmid A, et al. **Dtsch Tieraerztl Wochenschr** 83(5):212–4, 5 May 76 (Eng. Abstr.) **(Ger)**
[Role of vitamin E in the organism] Ostrowski J, et al. **Pol Tyg Lek** 31(18):771–4, 3 May 76 (23 ref.) **(Pol)**

RADIATION EFFECTS

Dynamics of alpha–tocopherol during irradiation, under conditions of enhanced metabolism and in haematopoiesis. Hrubá F, et al. **Rev Czech Med** 22(1):45–59, 1976

THERAPEUTIC USE

Epidermolysis bullosa: treatment with vitamin E, preliminary results. Degreef H, et al. **Arch Belg Dermatol** 30(2):83–7, Apr–Jun 74
Proceedings: Tocopherol and anaemia of prematurity. McWhirter WR. **Arch Dis Child** 50(5):404, May 75
Letter: Vitamin E benefits. Bertrand FR. **J Am Dent Assoc** 91(6):1136–7, Dec 75
Vitamin E or vitamin A protects chickens against E. coli infection. Tengerdy RP, et al. **Poult Sci** 54(4):1292–6, Jul 75
Selenium–tocopherol in veterinary medicine. Herrick JB. **Vet Med Small Anim Clin** 70(12):1455–60, Dec 75
[Gynmastics and the vitamin E in the prophylaxis and therapy of thromboembolic disease in gravidity (author's transl)] Kliment V, et al. **Cesk Gynekol** 41(3):176–8, May 76 **(Cze)**
[Double blind study of alpha–tocopherol in urinary stress incontinence] Lecart C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1(5 Suppl 2):276–7, 1972 **(Fre)**
[The influence of vitamin E and selenium supplements on the leg weakness syndrome in swine] Roth FX, et al. **Zentralbl Veterinaermed [A]** 22(10):854–63, Dec 75 (Eng. Abstr.) **(Ger)**
[Oral acne therapy using tetracycline and vitamin A plus E] Walther H. **ZFA** 52(9):477–80, 31 Mar 76 **(Ger)**
[Effects of alpha–tocopherol nicotinate in hyperbaric oxygen intoxication] Okamoto H, et al. **Jpn J Anesthesiol** 24(5):468–71, May 75 (Eng. Abstr.) **(Jpn)**
[Effect of piascledine treatment of scleroderma] Szczepański A, et al. **Przegl Dermatol** 62(4):555–8, Jul–Aug 75 (Eng. Abstr.) **(Pol)**

TOXICITY

Effect of excessive dietary vitamin E on the chick. Nockels CF, et al. **Poult Sci** 55(2):649–60, Mar 76
[Study on the fetal toxicity of alpha tocopherol quinone] Bertrand M, et al. **Therapie** 30(5):767–76, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

VITAMIN E DEFICIENCY

Vitamin E and selenium interrelations in the diet of Atlantic salmon (Salmo salar): gross, histological and biochemical deficiency signs. Poston HA, et al. **J Nutr** 106(7):892–904, Jul 76

COMPLICATIONS

Vitamin E deficiency and thrombocytosis in Caffey's disease. Keeton BR. **Arch Dis Child** 51(5):393–5, May 76
Vitamin E deficiency and platelet functional defect in a jaundiced infant. Khurshid M, et al. **Br Med J** 4(5987):19–21, 4 Oct 75
Letter: Hypovitaminosis E. Matsumoto GM. **J Am Dent Assoc** 92(5):853–4, May 76
Lenticular opacities in young rats as a consequence of maternal diets low in tryptopham and/or vitamin E. Bunce GE, et al. **J Nutr** 106(2):222–9, Feb 76
Studies on the changes in reduced glutathione of chick tissues during onset and regression of nutritional muscular dystrophy. Hull SJ, et al. **J Nutr** 106(2):181–90, Feb 76
Lead poisoning in vitamin E–deficient rats. Levander OA, et al. **J Nutr** 105(11):1481–5, Nov 75

Editorial: Vitamin E and the premature infant. **Med J Aust** 1(19):685, 8 May 76
Ceroid enteropathy and vitamin E deficiency. Lee SP, et al. **NZ Med J** 83(563):318–20, 12 May 76

DIAGNOSIS

Early signs of deficiencies of fat-soluble vitamins. Brubacher G. **Bibl Nutr Dieta** (23):51–60, 1976 (22 ref.)
Selenium in in vitamin-E-deficient diets and the occurrence of myopathy as a symptom of vitamin E deficiency. Hulstaert CE, et al. **Nutr Metab** 20(2):91–4, 1976

ENZYMOLOGY

Effects of different vitamin E-deficient basal diets on hepatic catalase and microsomal cytochromes P-450 and b5 in rats. Hauswirth JW, et al. **Am J Clin Nutr** 28(10):1087–94, Oct 75
Depression of lecithin-cholesterol acyltransferase esterification in vitamin E-deficient monkeys. Mickel HS, et al. **Am J Clin Nutr** 28(9):994–9, Sep 75
Drug metabolism and hepatic heme proteins in the vitamin E-deficient rat. Horn LR, et al. **Arch Biochem Biophys** 172(1):270–7, Jan 76
The effects of vitamin E deficiency on some enzymes of steroid hormone biosynthesis. Barnes MM, et al. **Int J Vitam Nutr Res** 45(4):396–403, 1975
Increased activity of pyruvate kinase in plasma of vitamin E-deficient rats. Chow CK. **J Nutr** 105(9):1221–24, Sep 75
Cellular membranes and membrane-bound enzymes in vitamin E deficiency. A histochemical, cytochemical, biochemical, and morphologic study of the liver of the Pekin duckling. Hulstaert CE, et al. **Lab Invest** 33(2):176–86, Aug 75
[Comparative studies of the properties of aldolase isoenzymes A–C in normal rabbit brain and in skeletal muscles from rabbits with E-avitaminosis dystrophy] Kirs'kil MD, et al. **Ukr Biokhim Zh** 48(1):102–10, Jan–Feb 76 (Eng. Abstr.) **(Ukr)**
[Kinetic properties of the Ca2+—ATPase in the skeletal muscle sarcolemma of the rabbit normally and in E-avitaminotic dystrophy] Kosterin SA. **Ukr Biokhim Zh** 48(3):378–83, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

METABOLISM

Rat brain gangliosides following drug addiction and nutritional deficiency. Boegman RJ. **Adv Exp Med Biol** 71:267–73, 1976
Effect of ascorbic acid on ACTH-induced cyclic AMP formation and steroidogenesis in isolated adrenal cells of vitamin E-deficient rats. Nathans AH, et al. **Biochim Biophys Acta** 399(2):244–53, 13 Aug 75
Unusual defense mechanisms against H2O2 cytotoxicity in erythrocytes deficient in glucose-6-phosphate dehydrogenase or tocopherol. pp. 685–98. Cohen G. **In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.** (21 ref.)
The effect of vitamin E deficiency on androgen and corticosterone synthesis. Barnes MM, et al. **Int J Vitam Nutr Res** 45(3):342–8, 1975
Influence of ascorbic acid on selenium nutrition in the chick. Combs GF Jr, et al. **J Nutr** 106(7):958–66, Jul 76
Effect of dietary alpha tocopherol on liver microsomes and mitochondria of aging rats. Grinna LS. **J Nutr** 106(7):918–29, Jul 76
Effect of alpha tocopherol (vitamin E) deficiency on intestinal transport of passively absorbed drugs. Meshali MM, et al. **J Pharm Sci** 65(3):344–8, Mar 76
The effect of alpha-tocopherol deficiency on the pharmacokinetics and pharmacological effect of barbital. Meshali MM, et al. **Life Sci** 19(2):163–74, 15 Jul 76
Effect of vitamin E deficiency on the lipid class and fatty acid composition of rat brain gray and white matter. Vatassery GT, et al. **Lipids** 11(4):317–21, Apr 76
The influence of vitamin E deficiency and combined deficiency in vitamin E and polyunsaturated fatty acids on the biosynthesis and degradation of rat central nervous system myelin. Dinesen B, et al. **Nutr Metab** 20(2):95–111, 1976
The effect of vitamin E deficiency on permeability of mitochondria for phosphate. Hommes FA, et al. **Nutr Metab** 19(5–6):263–7, 1975
Decreased citrate synthesis: possible indication of early degenerative changes in testes of vitamin E-deficient rats. Younoszai R, et al. **Proc Soc Exp Biol Med** 150(2):441–5, Nov 75
[Effect of phenylalanine and alpha-tocopherol on ubiquinone and ubichromenol metabolism in the liver of E-avitaminotic rats in vitro] Chernukhina LA, et al. **Ukr Biokhim Zh** 48(2):206–10, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**
[Content of ubiquinone and ubichromenol in rat liver at various levels of vitamin E saturation of the body] Chernukhina LO, et al. **Ukr Biokhim Zh** 47(4):518–21, Jul–Aug 75 (Eng. Abstr.) **(Ukr)**

PATHOLOGY

Scanning electron microscopy of the lungs of vitamin E-deficient rats exposed to a low concentration of ozone. Sato S, et al. **Am Rev Respir Dis** 113(6):809–21, Jun 76
Ultrastructural and stereological study on the effect of vitamin E on liver mitochondrial membranes. Frigg M, et al. **Exp Mol Pathol** 24(2):236–43, Apr 76
[Vitamin E deficiency and submandibular salivary glands of female rats] De Cruz A, et al. **Arch Latinoam Nutr** 25(2):187–97, Jun 75 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Formal discussion: on the mechanism of the oxygen/dialuric acid induced hemolysis of vitamin E deficient rat red blood cells and the protective roles of catalase and superoxide dismutase. pp. 699–709. Fee JA, et al. **In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.**

VETERINARY

Unsaturated dietary fat and lipoperoxides as etiological factors in vitamin E deficiency in mink. The prophylactic effect of vitamin E and iron compounds. Ender F, et al. **Acta Vet Scand [Suppl]** (55):1–25, 1975
Vitamin E and selenium deficiencies (VESD) of domestic animals. Lannek N, et al. **Adv Vet Sci Comp Med** 19:127–64, 1975 (268 ref.)
Ultrastructural alterations in skeletal muscle of pigs with selenium–vitamin E deficiency. Van Vleet JF, et al. **Am J Vet Res** 37(8):911–22, Aug 76
Ultrastructural changes in skeletal muscle of selenium–vitamin E–deficient chicks. Van Vleet JF, et al. **Am J Vet Res** 37(9):1081–9, Sep 76
The clinicopathological findings of mulberry heart disease in a piglet. Gudmundson J. **Can Vet J** 17(2):45–7, Feb 76
A review of some aspects of vitamin E–selenium responsive diseases with a note on their possible incidence in Alberta. MacDonald DW, et al. **Can Vet J** 17(3):61–71, Mar 76 (128 ref.)
Myodegeneration and suspected selenium/vitamin E deficiency in horses. Wilson TM, et al. **J Am Vet Med Assoc** 169(2):213–7, 15 Jul 76
The role of stress in the pathogenesis of nutritional muscular dystrophy in pigs. Dvořák M, et al. **Zentralbl Veterinaermed [A]** 23(05):384–93, Jul 76
[Effect of experimental lard diet on the incidence of vitamin E deficiency signs in pigs] Tulová M, et al. **Vet Med (Praha)** 20(7):415–26, Jul 75 (Eng. Abstr.) **(Cze)**
[Vitamin E and selenium in the feed of farm animals (author's transl)] Veen WA, et al. **Tijdschr Diergeneeskd** 100(17):915–26, 1 Sep 75 (Eng. Abstr.) **(Dut)**
[Influence of vitamin E– and selenium–deficient feeding on the excretion of creatin and creatinin in young pigs] Szentkuti L, et al. **Dtsch Tieraerztl Wochenschr** 82(7):270–3, 5 Jul 75 **(Ger)**

VITAMIN G see **RIBOFLAVIN**

VITAMIN H see **BIOTIN**

VITAMIN K

Polarographic studies of the oxidation of vitamin K5 in aqueous solution. Takamura K, et al. **Anal Biochem** 74(2):512–20, Aug 76
[Polarographic study of the reaction of vitamin K3 with thiol compounds in aqueous ethanol (author's transl)] Hayakawa Y, et al. **J Pharm Soc Jpn** 95(10):1173–8, Oct 75 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Mode of action of menaquinone-4 on blood coagulation. Tajima T. **Chem Pharm Bull (Tokyo)** 23(9):1943–8, Sep 75
Efficacy of menadione dimethylpyrimidinol bisulfite as a source of vitamin K in swine diets. Seerley RW, et al. **J Anim Sci** 42(3):599–607, Mar 76
Anticoagulant activity of a naphthoquinone analog of vitamin K and an inhibitor of coenzyme Q10– enzyme systems. Combs AB, et al. **Res Commun Chem Pathol Pharmacol** 13(1):109–14, Jan 76

ANALYSIS

An improved method for determination of vitamin K. Křivánková L, et al. **Anal Biochem** 75(1):305–7, Sep 76
Septrophotometric determination of menadione bisulphite. Ismaiel SA, et al. **Pharmazie** 30(6):407–8, Jun 75
[Spectrophotometric determination of K vitamins in concentrates of pharmaceutical preparations after chromatographic separation on Silufol] Rittich B, et al. **Cesk Farm** 25(2):64–6, Mar 76 (Eng. Abstr.) **(Cze)**
[Spectrophotometric study of naphtoquinone derivatives (vitamins K) (author's transl)] Viré JC, et al. **J Pharm Belg** 31(2):139–49, Mar–Apr 76 (Eng. Abstr.) **(Fre)**
[Determination of vitamin K activity in bioassay. 1. Vitamin K mode of action and biological determination] Bomhard E, et al. **Z Tierphysiol** 34(5):237–52, Mar 75 (Eng. Abstr.) **(Ger)**
[The determination of vitamin K activity in a biological procedure. 3. Comparative stability studies of menadione sodium bisulfite and menadione pyrimidinole bisulfite] Gropp J, et al. **Z Tierphysiol** 34(6):325–41, Apr 75 **(Ger)**
[Determination of vitamin K activity in bioassay. 2. Development of testing procedure in chicks] Schulz V, et al. **Z Tierphysiol** 34(5):252–73, Mar 75 (Eng. Abstr.) **(Ger)**
[Consecutive determination of vitamins K by means of the reaction with thioglycolic acid (author's transl)] Hayakawa Y, et al. **J Pharm Soc Jpn** 95(11):1292–7, Nov 75 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

[Anti-K vitamins] Vergoz D. **Phlebologie** 28(1):23–7, Jan–Mar 75 (Eng. Abstr.) **(Fre)**
[Brown-Sequard syndrome and extradural spinal cord hematoma occurring in a patient receiving anti-vitamin K] Laroche C, et al. **Sem Hop Ther** 52(1):41–2, Jan 76 **(Fre)**

BIOSYNTHESIS

Biosynthesis of bacterial menaquinones: the membrane-associated 1,4-dihydroxy-2-naphthoate octaprenyltransferase of Escherichia coli. Shineberg B, et al. **Biochemistry** 15(13):2754–8, 29 Jun 76
Isolation and description of a menaquinone mutant from Bacillus licheniformis. Goodman SR, et al. **J Bacteriol** 125(1):282–9, Jan 76

BLOOD

Production of superoxide anion during the oxidation of hemoglobin by menadione. Goldberg B, et al. **Biochim Biophys Acta** 437(2):628–32, 21 Jul 76
[Content of vitamin K in healthy subjects and patients with internal organ diseases] Roshkovich Iuv, et al. **Vrach Delo** (4):83–5, Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Colonic absorption of bacterially synthesized vitamin K2 in the rat. Hollander D, et al. **Am J Physiol** 230(2):251–5, Feb 76
Vitamin K2 absorption by rat everted small intestinal sacs. Hollander D, et al. **Am J Physiol** 231(2):415–9, Aug 76
Coumarins and the vitamin K–K epoxide cycle. Lack of resistance to coumatetralyl in warfarin-resistant rats. Bell RG, et al. **Biochem Pharmacol** 25(9):1067–70, 1 May 76
Inhibition of vitamin K epoxidase by two non-coumarin anticoagulants Willingham AK, et al. **Biochem Pharmacol** 25(9):1063–6, 1 May 76
Annotation: Oral anticoagulants, vitamin K and prothrombin complex factors. Brozovic M. **Br J Haematol** 32(1):9–12, Jan 76
The enzymatic reduction of K-vitamins incorporated in the membrane of liposomes. Martius C, et al. **FEBS Lett** 59(1):13–4, 1 Nov 75
Structure of a vitamin K–dependent portion of prothrombin. pp. 111–22. Stenflo J, et al. **In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.** (41 ref.)
The vitamin K–dependent incorporation of H14CO3– into prothrombin. pp. 151–5. Suttie JW, et al. **In: Reich E, et al., ed. Proteases and biological control. Cold Spring Harbor, Cold Spring Harbor Laboratory, 1975. W3 C162N v.2 1975.**
[Celiac disease and malabsorption of vitamin K with severe gastrointestinal hemorrhage] Borulf S, et al. **Lakartidningen** 73(15):1428–9, 7 Apr 76 **(Swe)**

PHARMACODYNAMICS

Some characteristics of a vitamin K–dependent carboxylating system from rat liver microsomes. Friedman PA, et al. **Biochem Biophys Res Commun** 70(2):647–54, 17 May 76
Evidence for vitamin K semiquinone as the functional form of vitamin K in the liver vitamin K–dependent protein carboxylation reaction. Girardot JM, et al. **Biochem Biophys Res Commun** 70(2):655–62, 17 May 76
A new vitamin K–dependent protein. A phospholipid–binding zymogen of a serine esterase. Esmon CT, et al. **J Biol Chem** 251(10):3052–6, 25 May 76
Soluble enzyme system for vitamin K–dependent carboxylation. Mack DO, et al. **J Biol Chem** 251(11):3269–76, 10 Jun 76
Vitamin K–dependent carboxylase. Requirements of the rat liver microsomal enzyme system. Sadowski JA, et al. **J Biol Chem** 251(9):2770–6, 10 May 76
A new vitamin K–dependent protein. Purification from bovine plasma and preliminary characterization. Stenflo J. **J Biol Chem** 251(2):355–63, 25 Jan 76
Vitamin K–dependent synthesis and modification of precursor prothrombin in cultured H-35 hepatoma cells. Munns TW, et al. **Proc Natl Acad Sci USA** 73(8):2803–7, Aug 76
[Vitamin K and blood coagulation] Domagk GF. **Hippokrates** 46(2):250–2, Jun 75 **(Ger)**
[Evaluation of hepaplastintest for liver disease. Effect of vitamin K administration on values of hepaplastintest (author's transl)] Noda K. **Jpn J Clin Pathol** 24(3):229–33, Mar 76 **(Jpn)**
[Relation of the duration of chlorophyll a fluorescence in chloroplasts to the concentration of ferricyanide and vitamin K3] Sorokin EM. **Biofizika** 21(1):181–2, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vitamin K and the oral anticoagulant drugs. O'Reilly RA. **Annu Rev Med** 27:245–61, 1976 (149 ref.)
The functional significance of vitamin K action. **Nutr Rev**

34(6):182–3, Jun 76 (5 ref.)
Studies on PIVKA–X. Gaudernack G, et al. **Thromb Diath Haemorrh** 34(2):455–64, 15 Nov 75
Proceedings: In vitro prothrombin synthesis—the vitamin K–dependent carboxylation of a prothrombin precursor. Suttie JW, et al. **Thromb Diath Haemorrh** 34(2):561–2, 15 Nov 75
Relationship of 'new' vitamin K–dependent Protein C and 'old' autoprothrombin II–a. Seegers WH, et al. **Thromb Res** 8(5):543–52, May 76
[Collagen metabolism in the skin with different vitamin K regimens] Sharaev PN, et al. **Biull Eksp Biol Med** 81(6):665–6, Jun 76 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Menaquinone (vitamin K2) therapy for bronchial asthma. II. Clinical effect of menaquinone on bronchial asthma. Kimur I, et al. **Acta Med Okayama** 29(2):127–35, Apr 75
Menaquinone (vitamin K2) therapy for bronchial asthma. I. Mechanism of action menaquinone on allergic reactions. Kimura I, et al. **Acta Med Okayama** 29(1):73–81, Feb 75
Predictable reduction in anticoagulant activity of warfarin by small amounts of vitamin K. Andersen P, et al. **Acta Med Scand** 198(4):269–70, Oct 75
Comparison of prothrombin complex concentrate and vitamin K1 in oral anticoagulant reversal. Taberner DA, et al. **Br Med J** 2(6027):83–5, 10 Jul 76
[Use of blood derivatives in coagulopathies in infancy] Balsamo V, et al. **Minerva Pediatr** 28(6):327–30, 25 Feb 76 **(Ita)**
[Influence of vikasol on the decomposition of prothrombin and proconvertin in experimental extrahepatic cholestasis] Kiianov VI. **Patol Fiziol Eksp Ter** (1):66–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**
[Vitamin K–dependent coagulation factors in the newborn. Clinical correlation and effect of vitamin k administration (author's transl)] Marin J, et al. **Sangre (Barc)** 21(2):281–6, 1976 (Eng. Abstr.) **(Spa)**

VITAMIN K DEFICIENCY

BLOOD

Vitamin K requirement and warfarin tolerance in the hamster. Shah DV, et al. **Proc Soc Exp Biol Med** 150(1):126–8, Oct 75
Proceedings: The relation between staphylocoagulase reacting factor and proteins induced by vitamin K absence. Bas BM, et al. **Thromb Diath Haemorrh** 34(2):593, 15 Nov 75
Proceedings: Isolation and properties of the abnormal factor X induced by vitamin K antagonist (PIVKA–X). Lindhout MJ, et al. **Thromb Diath Haemorrh** 34(2):592, 15 Nov 75

COMPLICATIONS

Letter: Vitamin K and hemorrhage in the newborn. Ward TF, et al. **Can Med Assoc J** 115(2):109, 111, 115, 17 Jul 76

ENZYMOLOGY

Soluble enzyme system for vitamin K–dependent carboxylation. Mack DO, et al. **J Biol Chem** 251(11):3269–76, 10 Jun 76
Vitamin K–dependent carboxylase. Requirements of the rat liver microsomal enzyme system. Sadowski JA, et al. **J Biol Chem** 251(9):2770–6, 10 May 76

ETIOLOGY

[Nature of vitamin K deficiency in the infant age] Sajkovski M, et al. **God Zb Med Fak Skopje** 21:299–302, 1975 (Eng. Abstr.) **(Ser)**

METABOLISM

Evidence for vitamin K semiquinone as the functional form of vitamin K in the liver vitamin K–dependent protein carboxylation reaction. Girardot JM, et al. **Biochem Biophys Res Commun** 70(2):655–62, 17 May 76

VETERINARY

[Vitamin K deficiency in 'SPF–Rats' fed an irradiated semisynthetic diet] Juhr VN, et al. **Z Versuchstierkd** 17(4):212–28, Jul 75 (Eng. Abstr.) **(Ger)**

VITAMIN K 1 see **PHYTONADIONE**

VITAMIN M see **FOLIC ACID**

VITAMIN P COMPLEX see **BIOFLAVONOIDS**

VITAMIN PP see **NICOTINAMIDE**

VITAMINS

New developments in the field of vitamin B12: Reactions of the cobalt atom in corrins and in vitamin B12 model compounds. Schrauzer GN. **Angew Chem [Engl]** 15(7):417–26, Jul 76 (67 ref.)
Future trends in nutrition: vitamins and minerals major. Cuthbertson DP. **Bibl Nutr Dieta** 21(21):24–56, 1975
A nutritional survey in the elderly: blood and urine vitamin levels. Morgan AG, et al. **Int J Vitam Nutr Res** 45(4):448–62, 1975
Gas–liquid chromatographic determination of vitamin D in multivitamin preparation. Kobayashi T, et al. **J Nutr Sci Vitaminol (Tokyo)** 22(1):41–51, 1976
Leaf–protein concentrate as a source of vitamins. Bray W, et al. **Proc Nutr Soc** 35(1):6A–7A, May 76
Vitamins in Western diets. Morton RA. **Proc Nutr Soc** 35(1):23–9, May 76 (28 ref.)
A comparative look at recommended nutrient intakes. Truswell AS. **Proc Nutr Soc** 35(1):1–14, May 76 (38 ref.)
Vitamin Q in control of bleeding. Quick AJ. **Wis Med J** 74(8):85–90, Aug 75

ADVERSE EFFECTS

The role of additives in allergic vasculitis during intravenous hyperalimentation. Perrillo RP, et al. **Am J Dig Dis** 20(12):1191–5, Dec 75
Letter: Anencephaly associated with megavitamin therapy. Averback P. **Can Med Assoc J** 114(11):995, 5 Jun 76
Nutrition: toxicology and pharmacology. Hathcock JN. **Lille Med** 34(3):65–70, Mar 76 (76 ref.)

ANALYSIS

Determination of ascorbic acid in foodstuffs, pharmaceuticals, and body fluids by liquid chromatography with electrochemical detection. Pachla LA, et al. **Anal Chem** 48(2):364–7, Feb 76
High–pressure liquid chromatographic determination of ascorbic acid in selected foods and multivitamin products. Sood SP, et al. **Anal Chem** 48(6):796–8, May 76
Colorimetric determination of iron in vitamin supplement tablets. A general chemistry experiment. Atkins RC. **J Chem Educ** 52(8):550, Aug 75
New considerations in detector–application relationships. Little JN, et al. **J Chromatogr** 112:389–97, 29 Oct 75
[Discussion of some monographs, elaborated by group of experts no. 11 of the Eur. Ph (author's transl)] Lapière CL. **J Pharm Belg** 30(5–6):455–79, Sep–Dec 75 **(Fre)**
[Method of electrophoretic determination of S–methyl methionine in plants] Khuchua GN, et al. **Prikl Biokhim Mikrobiol** 11(6):914–21, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Vitamin content in the blood and milk of cows] Samokhin VT, et al. **Veterinariia** (9):93–5, Sep 75 **(Rus)**
[Levels of vitamins in the products of slaughtered swine raised under various conditions] Shestakov IuM. **Veterinariia** (3):107–8, Mar 76 **(Rus)**
[Spectrophotometric quantitative determination of water–soluble vitamins in drug mixtures] Grom OL, et al. **Farm Zh** 31(1):68–9, Jan–Feb 76 **(Ukr)**
[Interferometric determination of some synthetic vitamin preparations] Laipanov AKh. **Farm Zh** 31(3):52–5, May–Jun 76 (Eng. Abstr.) **(Ukr)**

ANTAGONISTS & INHIBITORS

[Antivitamins (review of the literature)] Efremov VV. **Vopr Pitan** (2):3–11, Mar–Apr 76 (40 ref.) **(Rus)**

BLOOD

A preliminary study of circulating vitamins in a Puerto Rican migrant farm population in New Jersey. Quinones MA, et al. **Am J Public Health** 66(2):172–3, Feb 76
Bood vitamin levels in children with gastroenteritis. Araya M, et al. **Aust NZ J Med** 5(3):239–50, Jun 75
Some haematological and biochemical characteristics of pastoral tribes in Kenya. Davies DG, et al. **East Afr Med J** 52(12):666–72, Dec 75
Blood values of some vitamins in long–stay psycho–geriatric patients. Basu TK, et al. **Int J Vitam Nutr Res** 46(1):61–5, 1976
[Digestive intolerance to cow's milk proteins in infants. Biological and histological study] Baudon JJ, et al. **Arch Fr Pediatr** 32(9):787–801, Nov 75 (Eng. Abstr.) **(Fre)**
[Anemia and pregnancy (hematological data, iron and vitamin parameters)] pp. 221–32. Decker K, et al. **In: Brubacher G, Ritzel G, ed. Zur Ernahrungssituation der schweizerischen Bevolkerung. Bern, Huber, 1975. QU 146 GS9 Z9 1975.** **(Ger)**
[Anemia and pregnancy (hematological data, iron and vitamin parameters). Discussion of the paper by K Decker and colleagues] pp. 233–41. Kübler W, et al. **In: Brubacher G, Ritzel G, ed. Zur Ernahrungssituation der schweizerischen Bevolkerung. Bern, Huber, 1975. QU 146 GS9 Z9 1975.** **(Ger)**
[Activity of certain enzymes and dynamics of the content of vitamins C, B1, and A in blood serum in patients with eczema] Totoonov BA. **Vestn Dermatol Venerol** (1):34–6, Jan 74 (Eng. Abstr.) **(Rus)**

HISTORY

The discovery of vitamins. Chick H. **Prog Food Nutr Sci** 1(1):1–20, 1975
[Special sources of vitamins used in nutrition of the population of Leningrad during the blockade] Bezzubov AD. **Gig Sanit** (8):44–6, Aug 75 **(Rus)**

METABOLISM

Effects of oral contraceptives on vitamin metabolism. Anderson KE, et al. **Adv Clin Chem** 18:247–87, 1976 (185 ref.)
Effect of hyperbaric helium on vitamin uptake and utilization by micro–organisms. Frattali V, et al. **Aviat Space Environ Med** 46(7):898–901, Jul 75
Biochemical aspects of cobalt deficiency in sheep with special reference to vitamin status and a possible involvement in the aetiology of cerebrocortical necrosis. MacPherson A, et al. **Br Vet J** 132(3):294–308, May–Jun 76
Vitamin passage across the placenta. Malone JI. **Clin Perinatol** 2(2):295–307, Sep 75 (54 ref.)
Vitamins and minerals in pregnancy. Pitkin RM. **Clin Perinatol** 2(2):221–32, Sep 75 (55 ref.)
Vitamin and mineral requirements in adolescence. pp. 127–36. Hodges RE. **In: McKigney JI, Munro HN, ed. Nutrient requirements in adolescence. Cambridge, Mass., MIT Press, 1976. WS 115 N974 1973.**
Effects of a single intoxicating dose of ethanol on the vitamin profile of organelles in rat liver and brain. Frank O, et al. **J Nutr** 106(5):606–14, May 76
Vitamin nutrition in patients undergoing maintenance hemodialysis. Kopple JD, et al. **Kidney Int [Suppl]** (2):79–84, Jan 75 (42 ref.)
Vitamin levels at term and in the neonate. **Nutr Rev** 33(10):298–9, Oct 75 (4 ref.)
Vitamin metabolism and requirements: some aspects reviewed. Sauberlich HE. **S Afr Med J** 49(54):2235–44, 20 Dec 75
[Systematic study of Saccharomyces: oxidases and vitamin requirements] Fiol JB. **Mycopathologia** 58(1):49–58, 4 Jun 76 (Eng. Abstr.) **(Fre)**
[Editorial: The pill and vitamins] Kohn DH. **Harefuah** 89(7):336–8, 1 Oct 75 **(Heb)**
[Vitamin requirement of the body in peptic ulcer] Oparin AG. **Klin Med (Mosk)** 53(10):60–3, Oct 75 (Eng. Abstr.) **(Rus)**
[Hereditary disorders of metabolism and function of vitamins] Spirichev VB. **Pediatriia** (7):80–6, Jul 75 (60 ref.) **(Rus)**
[The effect of a high fat – low protein diet on the metabolism of some vitamins] Efremov VV, et al. **Vopr Pitan** (6):61–2, Nov–Dec 75 **(Rus)**

PHARMACODYNAMICS

[Influence of the biological activity of substances on the puerperal period and fertility of cows] Konstantinov P. **Vet Med Nauki** 12(9):15–20, 1975 (Eng. Abstr.) **(Bul)**
[The influence of vitamin preparations on the activity of various enzymes of protein metabolism in the irradiated organism] Savickij IV, et al. **Radiobiol Radiother (Berl)** 16(5):571–9, 1975 (Eng. Abstr.) **(Ger)**
[The effect of a multivitamin–electrolyte granulate on the electrodermal reflex and the neuromuscular sensitivity in longlasting physical exertion] Haralambie G, et al. **Schweiz Z Sportmed** 23(3):113–28, 1975 (Eng. Abstr.) **(Ger)**
[Pharmacodynamic effect of complex polyvitamin drugs on old animals] Sapadnjuk WI, et al. **Z Alternsforsch** 28(3):211–4, 1974 **(Ger)**
[Effect of vitamins on the biosynthesis of nisin by a Streptococcus lactis culture] Egorov NS, et al. **Antibiotiki** 20(7):585–8, Jun 75 (Eng. Abstr.) **(Rus)**
[Effect of an oxygen–vitamin complex on the hematopoietic indices in the irradiated organism] Shvanskaia NL, et al. **Fiziol Zh** 22(3):395–9, MAR–APR 76 **(Ukr)**

THERAPEUTIC USE

Vitamin–responsive inherited metabolic disorders. Rosenberg LE. **Adv Hum Genet** 6:1–74, 1976 (174 ref.)
Vitamins, neuroleptics, and antiparkinsonian drugs in catecholamine excretion. Yaryura–Tobias JA, et al. **Biol Psychiatry** 11(3):363–6, Jun 76
Local hyperalimentation of open wounds. Viljanto J, et al. **Br J Surg** 63(6):427–30, Jun 76
Megavitamin and orthomolecular therapy of schizophrenia. Brown WT. **Can Psychiatr Assoc J** 20(2):97–100, Mar 75
Letter: Megavitamin treatment in schizophrenia. Hoffer J. **Can Psychiatr Assoc J** 21(2):133–4, Mar 76
A double blind clinical evaluation of a phenylpropanolamine–caffeine–vitamine combination and a placebo in the treatment of exogenous obesity. Griboff SI, et al. **Curr Ther Res** 17(6):535–43, Jun 75
Hyperlipidemia and ischemic heart disease: their control and prevention by diets, vitamins, weight reduction, and hypolipemic drugs. pp. 83–99. Kuo PT. **In: Russek HI, ed. Cardiovascular problems: perspectives and progress. Baltimore, Univ Park Press, 1976. WG 100 A491c 1974.** (67 ref.)
Letter: Megavitamin therapy. **JAMA** 235(18):1965, 3 May 76
Letter: Megavitamin therapy. Sackler AM. **JAMA** 234(8):806–7, 24 Nov 75
Vitamins and cancer. Theologides A. **Minn Med** 58(12):875–6, Dec 75
Megavitamin responsive aminoacidopathies. Hillman RE. **Pediatr Clin North Am** 23(3):557–67, Aug 76
Effect of inositol, lecithin, vitamins (B12 with choline and E), and iodinated casein on induced fatty liver–hemorrhagic syndrome in laying chickens. Wolford JH, et al. **Poult Sci** 54(4):981–91, Jul 75
Uses and abuses of vitamin therapy. Taylor KB. **Ration Drug Ther** 9(10):1–6, Oct 75
[Effect of intramuscular and oral use of antianemic iron preparations in suckling pigs] Dilov P. **Vet Med Nauki** 12(1):76–81, 1975 (Eng. Abstr.) **(Bul)**

[Methods of treatment of puerperal endometritis in cows] Radoslavov V. **Vet Med Nauki** 12(9):56–60, 1975 (Eng. Abstr.) **(Bul)**

[Vitamins and antivitamins in the treatment of psoriasis] Novotný F, et al. **Cesk Dermatol** 50(5):334–40, Oct 75 (Eng. Abstr.) **(Cze)**

[Vitamins] Fechner PU. **Buech Augenarzt** 67(0):74–85, 1976 **(Ger)**

[Studies on the effectiveness of a drug combination for the supportive treatment of marginal periodontal diseases] Danz D. **ZWR** 85(4):170–1, 25 Feb 76 **(Ger)**

[Use of geriatric polyvitamin-amino acid–microelement preparations for preoperative care and postoperative treatment of middle-aged and old patients] Fenchin KM, et al. **Klin Khir** (7):62–3, Jun 75 **(Rus)**

[Influence of prolonged intraportal infusion of medicinal substances on the course of experimental acute toxic dystrophy of the liver] Ostroverkhov GE, et al. **Patol Fiziol Eksp Ter** (1):21–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Certain aspects of treatment of pneumonia in children] Gracheva AG. **Pediatriia** (4):48–51, Apr 75 (Eng. Abstr.) **(Rus)**

[Aerovit in the prevention of arteriosclerosis] Udalov Iu, et al. **Sov Med** (1):145–6, Jan 76 **(Rus)**

[Clinical–biochemical evaluation of the therapeutic effects of vitohepatit in acute viral hepatitis] Levina LD, et al. **Ter Arkh** 47(8):62–6, 1975 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of therapeutic effectiveness of a number of drug combinations in patients with ulcer disease] Vakhrushev IaM, et al. **Ter Arkh** 47(9):108–13, 1975 (Eng. Abstr.) **(Rus)**

[Vitamin therapy in different diseases of children. Indications and contraindications (a lecture)] Petriaeva AT. **Vopr Okhr Materin Det** 19(2):11–7, Feb 74 **(Rus)**

[Role of vitamins in the prevention of atherosclerosis] Udalov IuF, et al. **Vopr Pitan** (2):20–5, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Electrical activity of the brain in patients with the cerebral form of hypertension under the effect of combined unithiol and dekamevit treatment under biotron conditions] Zozulia IS, et al. **Vrach Delo** (1):35–9, Jan 74 (Eng. Abstr.) **(Rus)**

[Vitamin-dependent inborn metabolic disorders] Sršeň S. **Cesk Pediatr** 31(1):21–4, Jan 76 (Eng. Abstr.) **(Slo)**

[Utilization of oral dermotrophic vitamin therapy with LA-650 in skin, mucous and joined conditions (author's transl)] González MG. **Folia Clin Int (Barc)** 25(7–8):431–4, Jul–Aug 75 **(Spa)**

VITELLINE DUCTS

Letter: Completely patient vitellointestinal duct. Nitidandhaprabhas P, et al. **Arch Dermatol** 112(10):1468–9, Oct 76

Double intussusception of the small bowel through a patent vitello-intestinal duct. Mustafa R. **Br J Surg** 63(6):452, Jun 76

[Persistent omphaloenteric duct and its manifestations in younger children] Sawicz-Birkowska K, et al. **Wiad Lek** 29(2):101–5, 15 Jan 76 (Eng. Abstr.) **(Pol)**

CYTOLOGY

[The ontogenetic development of the yolk-sac stalk in domestic birds, and its role in the absorption of the yolk] Fehér G. **Zentralbl Veterinaermed [C]** 4(2):113–26, Jun 75 (Eng. Abstr.) **(Ger)**

VITELLINE MEMBRANE

Isolation, physicochemical properties, and the macromolecular composition of the vitelline and fertilization envelopes from Xenopus laevis eggs. Wolf DP, et al. **Biochemistry** 15(17):3671–8, 24 AUG 76

Sequential morphological study of teratomas derived from displaced yolk sac. Sobis H, et al. **Dev Biol** 45(2):276–90, Aug 75

Yolk-sac carcinomas induced by murine sarcoma virus and producing alpha-fetoprotein. pp. 271–3. Hooghe R, et al.

In: Masseyeff R, ed. L'alpha-foeto-protéine. Paris, INSERM, 1974. WH 400 A456 1974.

[On the method of injecting into the yolk-sac in teratological studies in rabbits (author's transl)] Claussen U. **Arzneim Forsch** 25(9):1434–6, Sep 75 (Eng. Abstr.) **(Ger)**

ANALYSIS

The vitelline envelope of eggs from the giant keyhole limpet Megathura crenulata. I. Chemical composition and structural studies. Heller E, et al. **Biochemistry** 15(6):1194–8, 23 Mar 76

The vitelline envelope of eggs from the giant keyhole limpet Megathura crenulata. II. Products formed by lysis with sperm enzymes and dithiothreitol. Heller E, et al. **Biochemistry** 15(6):1199–203, 23 Mar 76

The abundance of ferritin in yolk-sac derived red blood cells of the embryonic mouse. Theil EC. **Br J Haematol** 33(3):437–42, Jul 76

Macromolecular components of the vitelline membrane of hen's egg. I. Membrane structure and its deterioration with age. Kido S, et al. **J Biochem (Tokyo)** 78(2):261–8, Aug 75

Macromolecular components of the vitelline membrane of hen's egg. II. Physicochemical properties of glycoprotein I. Kido S, et al. **J Biochem (Tokyo)** 79(6):1351–6, Jun 76

BLOOD SUPPLY

[The development of yolk circulation in normal rat embryos] Puchkov VF, et al. **Arkh Anat Gistol Embriol** 70(1):78–84, Jan 76 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Growth of mouse yolk sac cells cultured in vivo. Weinberg SR, et al. **Br J Haematol** 32(4):543–55, Apr 76

Hemoglobins of the opossum (Didelphis virginiana Kerr). I. Developmental changes from yolk sac to definitive erythropoiesis. Bethlenfalvay NC, et al. **Lab Anim Sci** 26(2 Pt I):160–5, Apr 76

[The ontogenetic development of the yolk-sac stalk in domestic birds, and its role in the absorption of the yolk] Fehér G. **Zentralbl Veterinaermed [C]** 4(2):113–26, Jun 75 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immunological potential of yolk sac cells. Hofman F, et al. **Adv Exp Med Biol** 66:51–7, 1976

Localization of rabbit gamma globulins in the mouse visceral yolk sac placenta. Gardner MM. **Anat Rec** 184(4):665–77, Apr 76

Comparison of the binding affinities of rabbit IgG fractions to the rabbit fetal yolk sac membrane: use of 22Na to facilitate quantitation of 125I-IgG binding. Tsay DD, et al. **J Immunol** 115(4):939–42, Oct 75

METABOLISM

Effects of goat anti-rat placenta IgG on the in vitro uptake of 125I-labeled human serum albumin by the rat visceral yolk sac. Goetze T, et al. **Biol Neonate** 27(3–4):221–31, 1975

Chondroitin sulfate synthesis by mouse embryonic, extraembryonic, and teratoma cells in vitro. Cantor J, et al. **Dev Biol** 50(2):367–77, Jun 76

Differential permeability of murine visceral yolk sac to thymidine and to hydroxyurea. Miller SA, et al. **Dev Biol** 45(1):74–80, Jul 75

Organ cultures of the embryonic rat parietal yolk sac. II. Synthesis, accumulation, and turnover of collagen and noncollagen basement membrane glycoproteins. Minor RR, et al. **Dev Biol** 48(2):365–76, Feb 76

Organ cultures of the embryonic rat parietal yolk sac. I. Morphologic and autoradiographic studies of the deposition of the collagen and noncollagen glycoprotein components of basement membrane. Minor RR, et al. **Dev Biol** 48(2):344–64, Feb 76

Dimethyl sulfoxide (DMSO) stimulates heme synthesis in quail embryonic yolk sac cells. Miura Y, et al. **Exp Cell Res** 99(1):197–200, Apr 76

Basement membrane procollagen is not converted to collagen in organ cultures of parietal yolk sac endoderm. Minor RR, et al. **J Biol Chem** 251(6):1789–94, 25 Mar 76

Hydrolysis of the hen egg vitelline membrane by cock sperm acrosin and other enzymes. Ho JJ, et al. **J Exp Zool** 194(2):429–37, Nov 75

The use of direct deposition electron microscope autoradiography in studies of protein transport. Hemmings WA, et al. **J Microsc (Oxf)** 106(2):131–43, Mar 76

MICROBIOLOGY

Separation of viable Rickettsia typhi from yolk sac and L cell host components by renografin density gradient centrifugation. Weiss E, et al. **Appl Microbiol** 30(3):456–63, Sep 75

Ultrastructural studies of Chlamydia psittaci 6BC in situ in yolk sac explants and L cells: a comparison with gram-negative bacteria. Costerton JW, et al. **Can J Microbiol** 21(10):1433–47, Oct 75

The effect of purification on the ultrastructure and infectivity of egg-attenuated Chlamydia psittaci (6BC). Costerton JW, et al. **Can J Microbiol** 21(10):1448–63, Oct 75

PHYSIOLOGY

Contributions to an analysis of the avian vitelline membrane's potential to promote outgrowth of the yolk sac-serosal membrane. Haas HJ, et al. **Anat Rec** 184(2):227–31, Feb 76

Induction of the cortical reaction in hamster eggs by membrane-active agents. Gwatkin RB, et al. **J Reprod Fertil** 47(2):299–303, Jul 76

[Placental function of the visceral entoderm in murine embryos. Transport-morphology studies prior to formation of the chorio-allantoid placenta] Schlüter G. **Verh Anat Ges** 68:289–97, 1974 (Eng. Abstr.) **(Ger)**

[Hematopoiesis in the yolk sac of several representatives of the Sauropsida] Dovale K, et al. **Arkh Anat Gistol Embriol** 70(3):84–90, Mar 76 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

The fate of heterotopic isografts and allografts of mouse yolk sac epithelium. Andrew TA, et al. **J Anat** 120(1):95–103, Sep 75

ULTRASTRUCTURE

Compartmentalization of haemic cells and intimate contact between endodermal epithelium and haemopoietic precursor cells in human yolk sac. Kelemen E. **Acta Med Acad Sci Hung** 31(3–4):165–72, 1974

Cytological development of yolk sac endoderm and protein-absorptive mesothelium in the little brown bat, Myotis lucifugus. Enders AC, et al. **Am J Anat** 146(1):1–30, May 76

The embryonic rat parietal yolk sac. Changes in the morphology and composition of its basement membrane during development. Clark CC, et al. **Dev Biol** 46(2):243–61, Oct 75

Cytoplasmic continuity between embryonic cells and the primitive yolk sac during early gastrulation in Drosophila melanogaster. Rickoll WL. **Dev Biol** 49(1):304–10, Mar 76

Scanning electron microscope studies of sea urchin fertilization. I. Eggs with vitelline layers. Tegner MJ, et al. **J Exp Zool** 197(1):31–57, Jul 76

[Ultrastructure of human yolk sac] István B. **Morphol Igazsagugyi Orv Sz** 15(3):183–7, Jul 75 (Eng. Abstr.) **(Hun)**

VITELLOGENIN see under **LIPOPROTEINS**

VITILIGO

BLOOD

Letter: Serum-gastrin, vitiligo, and achlorhydric atrophic gastritis. Howitz J, et al. **Lancet** 2(7893):1399–400, 7 Dec 74

CHEMICALLY INDUCED

Letter: Occupational vitiligo caused by paratertiary butylphenol. Rodermund OE. **Arch Dermatol** 112(4):554–5, Apr 76

[Letter: Cutaneous depigmentation induced by corticoids in the African black] Marchand JP, et al. **Nouv Presse Med** 5(5):274, 31 Jan 76 **(Fre)**

[Vitiligo, hepato-splenomegaly, and goitre after working with paratertiary butylphenol (author's transl)] Rodermund OE, et al. **Dtsch Med Wochenschr** 100(43):2216, 2221–2, 24 Oct 75 (Eng. Abstr.) **(Ger)**

[Occupational vitiligo caused by para-tertiary-butylphenol, a trias of vitiligo, hepatosis and struma] Goldmann PJ, et al. **Hautarzt** 27(4):155–9, Apr 76 (Eng. Abstr.) **(Ger)**

[Systemic changes in occupational vitiligo] Rodermund OE, et al. **Hautarzt** 26(6):312–6, Jun 75 (Eng. Abstr.) **(Ger)**

[Problem of the involvement of the thyroid gland in vitiligo. Findings in the ptBP (preterciary butylphenol)-induced, vitiligo-like, pigmentation disorder] Rodermund OE, et al. **Z Hautkr** 50(9):365–70, 1 May 75 **(Ger)**

[An experimental study of the morphogenetic properties of several phenols inducing phenocopies of vitiligo] Zavadskiĭ VN, et al. **Genetika** 11(2):132–9, 1975 (Eng. Abstr.) **(Rus)**

[Experimental study of the morphogenetic properties of several phenols inducing a phenocopy of vitiligo] Zavadskiĭ VN, et al. **Genetika** 11(2):132–9, 1975 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Vitiligo associated with regional enteritis. Monroe EW. **Arch Dermatol** 112(6):833–4, Jun 76

Vitiligo and jaundice. Neering H. **Br J Dermatol** 93(2):229–30, Aug 75

Idiopathic heart block: association with vitiligo, thyroid disease, pernicious anaemia, and diabetes mellitus. Fairfax AJ, et al. **Br Med J** 4(5992):322–4, 8 Nov 75

Vitiligo and malignant melanoma. Fodor J, et al. **Neoplasma** 22(4):445–8, 1975

[Letter: Association of vitiligo and diabetes mellitus] Afchani C. **Z Allgemeinmed** 51(19):880, 10 Jul 75 **(Ger)**

[A case of inflammatory vitiligo associated with lupus erythematosus (author's transl)] Masutani M, et al. **Jpn J Dermatol [A]** 85(9):525–31, Aug 75 **(Jpn)**

DRUG THERAPY

Oral trimethylpsoralen in the treatment of vitiligo. Theodoridis A, et al. **Acta Derm Venereol (Stockh)** 56(3):253–6, 1976

The treatment of vitiligo with topical corticosteroids. Light and electronmicroscopic studies. Bleehen SS. **Br J Dermatol** 94 suppl 12:43–50, Mar 76

Melanogenesis from topical mechlorethamine and analogues in skin of hairless mice and in vitiligo. Van Scott EJ, et al. **J Invest Dermatol** 65(5):476–8, Nov 75

[Experience in the use of a psoberan preparation in patients with vitiligo and alopecia] Braĭtsev AV. **Vestn Dermatol Venerol** (9):53–5, Sep 75 (Eng. Abstr.) **(Rus)**

[Clinical trial of psoberan in vitiligo] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** (2):77–9, Feb 76 **(Rus)**

[4–5–8 trimethylpsoralen in vitiligo. Controlled study of its therapeutic and toxic effect in children] Ruíz Maldonado R, et al. **Acta Dermosifiliogr** 66(9–10):513–26, Sep–Oct 75 **(Spa)**

ENZYMOLOGY

[Determination of some enzymes in the blood serum patients with vitiligo before and after heliotherapy (author's transl)]

Dimov D, et al. **Cesk Dermatol** 51(3):148–52, Jun 76 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Depigmentation of vitiliginous appearance in 'nude' mice. pp. 227–33. Thivolet J, et al.
In: Rygaard J, Povlsen CO, ed. Proceedings of the first international workshop on nude mice. Stuttgart, Verlag, 1974. W3 IN9327 1973p.

[Simultaneous appearance of a halo nevus and leukodermia in disseminated spots in a young African woman] Marchand JP, et al. **Bull Soc Med Afr Noire Lang Fr** 20(2):191–3, 1975 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Deafness and vitiligo. Thurmon TF, et al. **Birth Defects** 12(5):315–20, 1976

IMMUNOLOGY

HL-A antigens and vitiligo. Retornaz G, et al.
Br J Dermatol 95(2):173–5, Aug 76

Serum anti-tumour antibodies and auto-antibodies in vitiligo. Woolfson H, et al. **Br J Dermatol** 92(4):395–400, Apr 75

[Lymphocyte transformation by melanin antigens in vitiligo vulgaris and malignant melanoma (author's transl)] Yamada M, et al. **Jpn J Dermatol [A]** 85(6):351–8, May 75 **(Jpn)**

PATHOLOGY

[Histochemical and electron microscopic studies of peripheral nerve terminals and clinical studies in vitiligo vulgaris (author's transl)] Nozaki T. **Jpn J Dermatol** 86(1):1–19, 1976 **(Jpn)**

[Ultrastructual observations of dendritic cells in the repigmented area of vitiligo: electron microscopic studies on dopa oxidase in melanocytes which are present between the epidermal basal cells in the repigmented area of vitiligo (author's transl)] Ito K. **Jpn J Dermatol [A]** 85(6):333–49, May 75 **(Jpn)**

[Depigmentatio vitiligoidea in the course of psoriasis arthropatica] Kubicz J. **Przegl Dermatol** 63(2):187–90, Mar–Apr 76 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Acquired vitiligo, diseases of the thyroid gland and diabetes mellitus] Jacyk W, et al. **Przegl Dermatol** 63(1):59–64, Jan–Feb 76 (Eng. Abstr.) **(Pol)**

THERAPY

Factors influencing methoxsalen phototoxicity in vitiliginous skin. Arora SK, et al. **Arch Dermatol** 112(3):327–32, Mar 76

VITREOUS BODY

Intravitreal injection of vancomycin in experimental staphylococcal endophthalmitis. Homer P, et al.
Acta Ophthalmol (Kbh) 53(3):311–20, Jun 75

Intravitreal oxacillin in experimental staphylococcal endophthalmitis. Kasbeer RT, et al.
Albrecht von Graefes Arch Klin Ophthalmol 196(3):279–86, 5 Sep 75

The toxicity of intravitreal whole blood and hemoglobin. Sanders D, et al.
Albrecht von Graefes Arch Klin Ophthalmol 197(3):255–67, 4 Dec 75

Retinal hemorrhages in posterior vitreous detachment. Cibis GW, et al. **Am J Ophthalmol** 80(6):1043–6, Dec 75

Letter: Intravitreal air complicating surgery. Cohen I, et al. **Am J Ophthalmol** 81(2):242, Feb 76

Intravitreal effects of pimaricin in experimental fungal endophthalmitis. Ellison AC. **Am J Ophthalmol** 81(2):157–61, Feb 76

Uveitis and reticulum cell sarcoma of brain with bilateral neoplastic seeding of vitreous without retinal or uveal involvement. Minckler DS, et al. **Am J Ophthalmol** 80(3 Pt 1):433–9, Sep 75

Hemolytic glaucoma. Phelps CD, et al. **Am J Ophthalmol** 80(4):690–5, Oct 75

Vitreous hemorrhages and disseminated intravascular coagulation in the newborn. Wiznia RA, et al.
Am J Ophthalmol 82(2):222–6, Aug 76

Vitreochorioretinal degeneration associated with trichomegaly. Fishman GA, et al. **Ann Ophthalmol** 8(7):811–5, Jul 76

Fluorescein angiographic findings in familial exudative vitreoretinopathy. Canny CL, et al. **Arch Ophthalmol** 94(7):1114–20, Jul 76

Posterior vitreous detachment after cataract extraction in non-myopic eyes and the resulting retinal lesions. Friedman Z, et al. **Br J Ophthalmol** 59(8):451–4, Aug 75

Myopia-aphakia. II. Vitreous and peripheral retina. Hyams SW, et al. **Br J Ophthalmol** 59(9):483–5, Sep 75

Acute vitreous haemorrhage: a clinical report. Lincoff H, et al. **Br J Ophthalmol** 60(6):454–8, Jun 76

Surgery of macular hole with detachment by an obique encircling silastic 3 mm band sutured to its middle 8 times 8 times 1 mm silicone plate pushed backwards by little finger on plate side to buckle the macular area without evacuation of subretinal fluid. Mortada A.
Bull Ophthalmol Soc Egypt 67:139–44, 1974

Delayed diffuse exudative aseptic choroiditis produced by pressure of encircling silastic band without evacuation of subretinal fluid in retinal detachment surgery. Mortada A.
Bull Ophthalmol Soc Egypt 67:119–25, 1974

Surgery of giant horse-shoe retinal tear extending behind the equator of the globe by an oblique encircling silastic 3 mm band passing posterior to the tear without evacuation of the subretinal fluid. Mortada A.
Bull Ophthalmol Soc Egypt 67:151–7, 1974

Intravitreal fibrinolysis in experimental vitreous haemorrhage. Forrester JV, et al. **Exp Eye Res** 22(2):181–8, Feb 76

Ultrasonic evaluation of the vitreous. pp. 129–41. Coleman DJ.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.

Operative loss of vitreous. pp. 43–72. Jaffe NS.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975. (46 ref.)

Postoperative cataract complications related to the vitreous. pp. 73–117. Jaffe NS.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975. (39 ref.)

Techniques of vitreous cavity examination. pp. 53–66. Cockerham WD, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Transvitreal chorioretinal biopsy in the rabbit. pp. 626–39. Griffin JR, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The treatment of massive vitreous retraction with the separation of pre-retinal membranes using silicone oil. pp. 523–9. Scott JD.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

B-scan ultrasonography of the retina and vitreous. Coleman DJ, et al. **Int Ophthalmol Clin** 16(1):31–43, Spring 76

Vitreoretinal pathology. Escoffery RF, et al.
Int Ophthalmol Clin 16(1):45–61, Spring 76 (14 ref.)

Massive vitreous retraction. Havener WH.
Int Ophthalmol Clin 16(1):135–55, Spring 76

Urokinase in experimental vitreous hemorrhage. Koziol J, et al. **Ophthalmic Surg** 6(3):79–82, Fall 75

Intravitreal injection of ampicillin, cephaloridine, gentamicin, and tobramycin. Atkins WS, et al. **Surg Forum** 26:542–4, 1975

The conservative management of vitreous hemorrhage. Lincoff H, et al.
Trans Am Acad Ophthalmol Otolaryngol 79(6):OP858–64, Nov–Dec 75

Outstanding problems in retinal detachment. Management of vitreous and retinal detachment in diabetic retinopathy. Blach RK. **Trans Ophthalmol Soc UK** 95(1):158–64, Apr 75

Intravitreal urokinase in the treatment of vitreous haemorrhage. Cleary PE, et al.
Trans Ophthalmol Soc UK 94(2):587–90, Jul 74

Total vitreous haemorrhage. A method of treatment. Forrester JV, et al. **Trans Ophthalmol Soc UK** 94(4):992–9, 1974

Lytic therapy in vitreous haemorrhage. Forrester JV, et al.
Trans Ophthalmol Soc UK 94(2):583–6, Jul 74

Vitreous replacement. Regnault F.
Trans Ophthalmol Soc UK 95(3):433–5, 1975

Role of the vitreous in the haemoglobinopathies. Ryan SJ.
Trans Ophthalmol Soc UK 95(3):403–6, 1975

Intravitreal urokinase in the management of vitreous haemorrhage. Sellors PJ, et al.
Trans Ophthalmol Soc UK 94(2):591–8, Jul 74

[Goldmann-Favre hyaloido-tapetoretinal degeneration] Fiore C, et al. **Arch Ophtalmol (Paris)** 36(2):127–36, Feb 76 (29 ref.) (Eng. Abstr.) **(Fre)**

[Ultrasound in the treatment of hemorrhages and exudates of the vitreous body] Kapuscinski WJ, et al.
Bull Mem Soc Fr Ophtalmol (87):92–5, 1976 **(Fre)**

[Value of the inclined position for the prevention of vitreous issue in cataract extraction] Mawas E, et al.
Bull Mem Soc Fr Ophtalmol (87):154–8, 1976 **(Fre)**

[Hereditary vitreo-retinal dystrophy (Wagner)] Dralands L, et al. **Bull Soc Belge Ophtalmol** (172):716–26, 1975 **(Fre)**

[Advantages and complications of non-drainage of subretinal fluid in detached retinal surgery] Gerhard JP, et al.
Mod Probl Ophthalmol 15:185–7, 1975 (Eng. Abstr.) **(Fre)**

[ERG- and EOG results in the vitreo-retinal syndrom of Jaffe (author's transl)] Denden A.
Albrecht von Graefes Arch Klin Ophthalmol 198(3):265–73, 3 Mar 76 (Eng. Abstr.) **(Ger)**

[Possibilities of cartographically documenting changes of the vitreous body, when examining the eye with a three-mirror contact glass (author's transl)] Plange H.
Albrecht von Graefes Arch Klin Ophthalmol 200(1):51–7, 26Jul 76 (Eng. Abstr.) **(Ger)**

[Bilateral proliferative retinal disease with synchisis scintillans] Schmack W. **Ber Dtsch Ophthalmol Ges** (73):620–2, 1975 **(Ger)**

[Echography of the vitreous body prior to and following cryoextraction of the lense] Schum U, et al.
Ber Dtsch Ophthalmol Ges (73):661–2, 1975 **(Ger)**

[Dominantly inherited myloidosis of the vitreous body] Thiel HJ, et al. **Ber Dtsch Ophthalmol Ges** (73):281–4, 1975 (Eng. Abstr.) **(Ger)**

[Drainage of the vitreous body space in cases of intra-ocular infection (author's transl)] Ritzinger I, et al.
Klin Monatsbl Augenheilkd 167(4):600–4, Oct 75 (Eng. Abstr.) **(Ger)**

[Intravitreous cyst probably arising from ciliary body epithelium (author's transl)] Schwab B.
Klin Monatsbl Augenheilkd 168(05):726–8, May 76 (Eng. Abstr.) **(Ger)**

[Reduction of subretinal fluid by using ocular pressure] Kutschera E, et al. **Mod Probl Ophthalmol** 15:143–8, 1975 **(Ger)**

[Scintillatio albescens, diabetes and atheromatosis] Bryk E.
Klin Oczna 46(4):427–30, 1976 (Eng. Abstr.) **(Pol)**

[Displacement of retinal vessels] Kornacki B, et al.
Klin Oczna 45(12):1251–4, Dec 75 (Eng. Abstr.) **(Pol)**

[Role of vitreous body in the pathogenesis of retinal degeneration and detachment] Stankiewicz A.
Klin Oczna 45(9):995–6, Sep 75 **(Pol)**

[Surgical treatment of idiopathic retinal detachment, using simple fixation by means of diathermocoagulation associated with air injection into the vitreous body] Miesa MV, et al. **Rev Chir [Oftalmol]** 20(2):155–6, Apr–Jun 76 (Eng. Abstr.) **(Rum)**

ABNORMALITIES

The pleomorphism and complications of posterior hyperplastic primary vitreous. Pruett RC.
Am J Ophthalmol 80(4):625–9, Oct 75

Destructive and conservative treatment of persistent hyperplastic primary vitreous and retinal dysplasia. Scuderi G, et al. **Ophthalmologica** 172(4):346–52, 1976

[Association of striated vitreum, iritic coloboma, and hereditary cataract] Dascotte JC, et al.
Bull Soc Ophtalmol Fr 75(3):335–7, Mar 75 **(Fre)**

[Hyperplasia of the primary vitreous body] Marx M, et al.
Bull Soc Ophtalmol Fr 74(12):207–14, Dec 74 **(Fre)**

[ERG and EOG in x-chromosome vitreo-retinal degeneration] Denden A. **Ber Dtsch Ophthalmol Ges** (73):172–4, 1975 **(Ger)**

[The use of A-scan echography in the clinical diagnoses of persistent hyperplastic primary vitreous (PHPV) (AUTHOR'S TRANSL)] Schroeder W.
Klin Monatsbl Augenheilkd 168(02):210–6, Feb 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

Dibenzepine and its metabolites in blood, muscle, liver, vitreous body and urine from fatal poisoning. Christensen H, et al. **Acta Pharmacol Toxicol (Kbh)** 37(5):393–401, Nov 75

Indentification and radioimmunologic estimation of sexual steroid hormones in aqueous humor and vitreous of rabbit eye. Stárka L, et al.
Albrecht von Graefes Arch Klin Ophthalmol 199(3):261–6, 26 May 76

The altered fibrous form of vitreous collagen following solubilization with pepsin. Swann DA, et al.
Biochim Biophys Acta 427(1):365–70, 18 Mar 76

Identification of copper ions in aqueous and vitreous of eyes containing copper and iron foreign bodies. Yassur Y, et al. **Br J Ophthalmol** 59(10):590–2, Oct 75

Comparative toxicology in vitreous humor and blood. Sturner WQ, et al. **Forensic Sci** 6(1–2):31–9, Aug–Oct 75

On the presence of bilirubin in the ocular humors of premature infants. Kurzel RB, et al. **Invest Ophthalmol** 15(6):509–12, Jun 76

Comparative postmortem chemistries of vitreous humor before and after embalming. Coe JI. **J Forensic Sci** 21(3):583–6, Jul 76

Helix formation. Its involvement in the formation of gel structures. Roughley PJ. **Trans Ophthalmol Soc UK** 95(3):369–71, 1975

[Comparative data on the level of alcohol in the blood and vitreous body] Mikhailov R. **Sud Med Ekspert** 18(3):35–7, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Surgical anatomy of the vitreous. pp. 1–13. Shields JA.
In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975. (13 ref.)

The pattern of vitreous syneresis. A study of 800 autopsy eyes. pp. 17–33. O'Malley P.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Clinical aspects of vitreous body anatomy. pp. 34–49. Straatsma BR, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Clinical examination of the vitreous. Eisner G.
Trans Ophthalmol Soc UK 95(3):360–3, 1975

BLOOD SUPPLY

Glycogen concentration changes in retina, vitreous body and other eye tissues caused by disturbances of blood circulation. Wasilewa P, et al.

Albrecht von Graefes Arch Klin Ophthalmol 199(2):115–20, 14 Apr 76

Prolonged tumor dormancy by prevention of neovascularization in the vitreous. Brem S, et al. **Cancer Res** 36(8):2807–12, Aug 76

CYTOLOGY

Physical structures of the vitreous. Gärtner J. **Trans Ophthalmol Soc UK** 95(3):364–8, 1975

DRUG EFFECTS

[Electron microscopic investigations of vitreous collagen after treating the vitreous with liquefying substances (author's transl)] Schmut O, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(2):187–97, 6 Aug 75 **(Ger)**

[Effect of structural changes of vitreous body on the metabolism and morphokinesis of eye structures] Stankiewicz A, et al. **Klin Oczna** 45(12):1243–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Delayed retinal changes following depolymerization of vitreous body by hyaluronidase] Szram S, et al. **Klin Oczna** 45(12):1233–6, Dec 75 (Eng. Abstr.) **(Pol)**

[Pathological changes in the ciliary body and iris in the course of experimental depolymerization of the vitreous body in rabbits] Szram S, et al. **Klin Oczna** 45(12):1247–50, Dec 75 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Lysosomal enzymes in subretinal fluid. Hayasaka S, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 200(1):13–20, 26Jul 76

Intraocular lysozyme in experimental uveitis in rabbits: aqueous and vitreous assay. Stainer GA, et al. **Invest Ophthalmol** 15(4):312–15, Apr 76

[Biochemical concepts of regeneration of vitreous body following experimental depolymerization of hyaluronic acid] Stankiewicz A, et al. **Klin Oczna** 45(12):1237–42, Dec 75 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Changes in the vitreous with age. Osterlin S. **Trans Ophthalmol Soc UK** 95(3):372–7, 1975

IMMUNOLOGY

Immunology of the vitreous body. François J, et al. **Mod Probl Ophthalmol** 16:196–207, 1976 (37 ref.)

[Immunology of the vitreous body] François J, et al. **Bull Soc Belge Ophtalmol** (172):727–35, 1975 **(Fre)**

INJURIES

Vitreoretinal juncture; healing of experimental wounds. Foos RY, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):213–20, 5 Sep 75

Letter: Vitreous loss after intraocular lens implantation. Joseph NH. **Am J Ophthalmol** 82(1):150, Jul 76

Pars plana vitrectomy. The role of vitrectomy in traumatic vitreopathy. Coleman DJ. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):406–13, May–Jun 76

Removal of a non-magnetic metallic foreign body from the vitreous using a mobile x-ray image intensifier. McGavin DD, et al. **Trans Ophthalmol Soc UK** 94(4):1000–4, 1974

Response of the vitreous to injury. Neubauer H, et al. **Trans Ophthalmol Soc UK** 95(3):398–401, 1975

Indications for the newer vitrectomy techniques in ocular trauma. Irvine AR, et al. **Trans Pac Coast Otoophthalmol Soc** 55:117–27, 1974

[Indirect trauma and posterior vitreous detachment (author's transl)] Brandt HP, et al. **Klin Monatsbl Augenheilkd** 165(5):814–6, Nov 74 (Eng. Abstr.) **(Ger)**

METABOLISM

Quantitative changes in hydroxyproline and glycine of the differentiating vitreous body of the chick. Maji SS, et al. **Folia Biol (Krakow)** 23(2):135–41, 1975

Components of vitreous-soluble proteins: effect of hyperoxia and age. Chen CH, et al. **Invest Ophthalmol** 15(3):228–32, Mar 76

[Changes in the vitreous body and aqueous humor after experimental removal of the lens] Koretskaia IuM, et al. **Eksp Khir Anesteziol** (5):40–2, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Experimental Fibroplasia in the rabbit vitreous. Retinal detachment induced by autologous fibroblasts. Algvere P, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(3):215–22, 26 May 76

Ultrasonic findings in the vitreous body at different ages and in patients with detachment of the retina. Oksala A. **Albrecht von Graefes Arch Klin Ophthalmol** 197(1):83–7, 17 Oct 75

Bilateral amyloidosis of the vitreous body: report of a case without systemic of familial involvement. Ferry AP, et al. **Arch Ophthalmol** 94(6):982–91, Jun 76

Vitreous cellular reaction. Association with reticulum cell sarcoma of brain. Kennerdell JS, et al. **Arch Ophthalmol** 93(12):1341–5, Dec 75

Vitreous membranes. A light and electron microscopical study. Smith RS, et al. **Arch Ophthalmol** 94(9):15.6–60, Sep 76

Diagnostic features of the Favre-Goldmann syndrome. Fishman GA, et al. **Br J Ophthalmol** 60(5):345–53, May 76

Vitreous opacities in primary amyloid disease. A clinical, histochemical, and ultrastructural report. Hitchings RA, et al. **Br J Ophthalmol** 60(1):41–54, Jan 76

Pathology of the vitreous. pp. 14–42. Shields JA. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.** (26 ref.)

Vitreous pathology in proliferative diabetic retinopathy. pp. 67–89. Bresnick GH, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

The vitreous in diabetic retinopathy. Blach RK. **Trans Ophthalmol Soc UK** 95(3):407–11, 1975

Corneo-vitreal contact. Boruchoff SA. **Trans Ophthalmol Soc UK** 95(3):417–21, 1975

Pathology of vitreous membranes and the effect of haemorrhage and new vessels on the vitreous. Constable IJ. **Trans Ophthalmol Soc UK** 95(3):382–6, 1975

The vitreous in retinal detachment. Foulds WS. **Trans Ophthalmol Soc UK** 95(3):412–6, 1975

Pathology of the vitreo-retinal border structures. Gloor BP, et al. **Trans Ophthalmol Soc UK** 95(3):387–90, 1975

Inflammation and its effect on the vitreous. Hogan MJ. **Trans Ophthalmol Soc UK** 95(3):378–81, 1975

Role of the pigment epithelium in vitreous pathology. Machemer R. **Trans Ophthalmol Soc UK** 95(3):402, 1975

The vitreous in glaucoma. Simmons RJ. **Trans Ophthalmol Soc UK** 95(3):422–8, 1975

[Experimental siderosis bulbi: an echographic-histological study (author's transl)] Freyler H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):75–87, 1 Apr 76 (Eng. Abstr.) **(Ger)**

[Structure of the vitreous body over areas with lattice degeneration of the retina (author's transl)] Slezak H. **Albrecht von Graefes Arch Klin Ophthalmol** 197(3):273–82, 4 Dec 75 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Vitreous fluidity in myopia. Goldstein JH, et al. **Ann Ophthalmol** 8(4):476–7, Apr 76

RADIATION EFFECTS

[Effects of ionizing radiation on ascorbic acid content in the rabbit vitreous body] Zygulska-Mach H, et al. **Klin Monatsbl Augenheilkd** 165(6):892–4, Dec 74 (Eng. Abstr.) **(Ger)**

[On the effect of ionized rays on the total protein content and on the activity of aldolase and glutamic acid-oxaloacetic acid-transaminase in the rabbit vitreous (author's transl)] Zygulska-Mach H, et al. **Klin Monatsbl Augenheilkd** 165(5):762–6, Nov 74 (Eng. Abstr.) **(Ger)**

SURGERY

The vitrophage in ocular trauma. Report of 15 cases. Peyman GA, et al. **Acta Ophthalmol (Kbh)** 53(3):427–35, Jun 75

Management of traumatic retinal detachment with pars plana vitrectomy, scleral buckling, and gas injection. Peyman GA, et al. **Acta Ophthalmol (Kbh)** 53(5):731–7, Nov 75

Vitrectomy-instrumentation-system MS 7. Hennig J. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):205–12, 5 Sep 75

Vitrectomy in exogenous Candida endophthalmitis. Peyman GA, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 197(1):55–9, 17 Oct 75

Histopathology after vitrectomy with the vitrophage. Weinberg RS, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(2):133–42, 6 Aug 75

Severe perforating injuries treated with pars plana vitrectomy. Benson WE, et al. **Am J Ophthalmol** 81(6):728–32, Jun 76

Pars plana vitrectomy for removal of intravitreous Cysticercus. Hutton WL, et al. **Am J Ophthalmol** 81(5):571–3, May 76

Vitrectomy in the treatment of ocular perforating injuries. Hutton WL, et al. **Am J Ophthalmol** 81(6):733–9, Jun 76

Corneal endothelial degeneration and fibrous proliferation after plana vitrectomy. Kenyon KR, et al. **Am J Ophthalmol** 81(4):486–90, Apr 76

Editorial: American journal of ophthalmology. Kupfer C. **Am J Ophthalmol** 81(5):687–90, May 76

Pars plana vitrectomy for the management of sever diabetic retinopathy. Mandelcorn MS, et al. **Am J Ophthalmol** 81(5):561–70, May 76

Endophthalmitis after vitrectomy. May DR, et al. **Am J Ophthalmol** 81(4):520–1, Apr 76

Autotransplantation of retinal pigment epithelium in intravitreal diffusion chamber. Mueller-Jensen K, et al. **Am J Ophthalmol** 80(3 Pt 2):530–7, Sep 75

Vitreous scissors and forceps. Peyman GA, et al. **Am J Ophthalmol** 80(4):767, Oct 75

Vitrectomy and intraocular gentamicin management of Herellea endophthalmitis after incomplete phacoemulsification. Peyman GA, et al. **Am J Ophthalmol** 80(4):764–5, Oct 75

Improved vitrectomy illumination system. Peyman GA. **Am J Ophthalmol** 81(1):99–100, Jan 76

One hundred consecutive pars plana vitrectomies using the vitrophage. Peyman GA, et al. **Am J Ophthalmol** 81(3):263–71, Mar 76

Diagnostic and therapeutic vitrectomy for endophthalmitis. Abel R Jr. **Ann Ophthalmol** 8(1):37–42, Jan 76

Present surgical approaches to vitrectomy. Binder PS. **Ann Ophthalmol** 7(10):1377–86, Oct 75

Fluorescein angiography of the fundus after pars plana vitrectomy. Peyman GA, et al. **Ann Ophthalmol** 8(7):791–4, 796–7, Jul 76

Experimental vitreous surgery. XIII. Open-sky partial vitrectomy through pars plana incision. Liu HS, et al. **Arch Ophthalmol** 93(10):1023–9, Oct 75

Retinal tears 180 degrees and greater. Management with vitrectomy and intravitreal gas. Machemer R, et al. **Arch Ophthalmol** 94(8):1340–6, Aug 76

Intraocular reticulum cell sarcoma. Diagnosis by pars plana vitrectomy. Michels RG, et al. **Arch Ophthalmol** 93(12):1331–5, Dec 75

Electrovitreotomy. 2. Principles and results. O'Malley C, et al. **Br J Ophthalmol** 59(10):580–5, Oct 75

Vitrectomy in subarachnoid haemorrhage. Carruthers J, et al. **Br Med J** 2(6032):404, 14 Aug 76

Vitrectomy. Mostafa MS, et al. **Bull Ophthalmol Soc Egypt** 68:421–9, 1975

Role of vitrectomy in trauma. pp. 236–43. Coleman DJ. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Vitrectomy instrumentation, Roto-Extractor indications, and techniques and results. pp. 155–78. Douvas NG. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Complications of vitrectomy. pp. 253–62. Gitter KA, et al. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

History of vitrectomy. A personal experience. pp. 118–20. Kasner D. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Vitrectomy in diabetes and other disorders. pp. 179–212. Michels RG, et al. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.** (26 ref.)

Preoperative evaluation of patients for vitreous surgery. pp. 121–8. Michels RG, et al. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Pars plana vitrectomy in advanced diabetic retinopathy. Eighty consecutive cases performed with the Douvas Roto-Extractor. pp. 213–26. Okun E. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Pars plana vitrectomy for conditions other than advanced diabetic retinopathy. pp. 244–52. Okun E. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Clinical experiences with the vitrophage. pp. 227–35. Peyman GA, et al. **In: Gitter KA, ed. Current concepts of the vitreous, including vitrectomy. St. Louis, Mosby, 1976. WW 250 C976 1975.**

Vitrectomy surgery via the pars plana approach at the Medical College of Wisconsin. pp. 198–204. Aaberg TM. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Replacement of the vitreous with hyaluronic acid, collagen and other polymers. pp. 601–23. Balazs EA, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Combined phacoemulsification and vitrectomy. pp. 296–9. Cleasby GW, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

An ultrasonic blade for vitreous surgery. pp. 665–7. Coleman DJ, et al. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

The intra-ocular balloon, remote controlled vitreous scissors, and controlled release of subretinal fluid. pp. 499–517. Couvillion GC. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Endodiathermy revisited. pp. 413–8. Dellaporta A. **In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.**

Roto-extractor pars plana techniques. pp. 226-42. Douvas NG.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Intraocular irrigating solutions and their use for vitrectomy. pp. 265-87. Edelhauser HF, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Anterior route vitrectomy surgery in trauma. pp. 480-92. Girard LJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Prevention of scleral collapse during vitreous or intraocular surgery. pp. 136-41. Girard LJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy by aspiration. Irrigation after ultrasonic fragmentation. pp. 678-88. Girard LJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

A mechanical vitrectomy instrument. pp. 315-8. Hennig J.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Diathermic vitrectomy in anterior segment-surgery. pp. 463-4. Hennig J.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Early experience with trans pars plana vitrectomy throughout the country. pp. 182-92. Irvine AR.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonographic ocular evaluation prior to vitrectomy. pp. 100-12. Jack RL.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Past and present indications for 'open-sky' vitrectomy. pp. 127-9. Kasner D.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy via the pars plana ciliaris with the vitreous stripper. pp. 243-57. Klöti R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Stereotaxic vitreoretinal surgery. pp. 355-72. Kreiger AE, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The use of ultrasound in vitreous removal. pp. 668-77. Landers MB, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Removal of the lens during vitrectomy via the pars plana. pp. 289-95. Lewis ML.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Hand supports and aids for use with the operating microscope. pp. 331-5. Machemer R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitreous surgery in trauma. pp. 471-3. Machemer R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Use of the V.I.S.C. in rhegmatogenous retinal detachment. pp. 530-4. Machemer R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy in diabetes. New frontiers. pp. 588-91. Machemer R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The uses and relative value of coaxial, slit and fiberoptic illumination systems. pp. 385-9. Machemer R, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

V.I.S.C. design and function. pp. 303-5. Machemer R, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The V.I.S.C.--present indications, technique, results and complications. pp. 169-81. Machemer R.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Predicting long term results in diabetics before vitrectomy. pp. 90-6. Mandelcorn M.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy in diabetics. pp. 579-87. Myers FL, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The use of intraocular sulfur hexafluoride in vitrectomy. pp. 535-42. Norton EW, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

An evaluation of vitrectomy surgery for traction detachment in diabetics. pp. 569-74. O'Grady GE.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Pars plana lensectomy and vitrectomy with the Douvas roto-extractor in diabetic retinopathy. pp. 555-60. Okun E, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Scleral buckling procedures and/or vitrectomy for traction detachments. pp. 561-8. Okun E, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The history of vitreous surgery. pp. 121-6. Okun E.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Creation of vitrectomy instruments, ideals, and practicalities. pp. 319-27. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Electrovitreotomy, principles and results. pp. 448-62. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy with an alternative instrument system. pp. 205-25. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitreous surgery instrumentation: designed for use with indirect ophthalmoscopy. pp. 396-403. O'Malley C, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Intraocular diathermy. pp. 436-47. Peyman GA, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Prevention of corneal opacification in open sky surgery. pp. 142-9. Peyman GA.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The vitrophage. pp. 258-64. Peyman GA.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Ultrasonic surgery: theoretical considerations. pp. 640-54. Purnell EW.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Corneal complications in pars plana vitrectomy. pp. 193-7. Ryan S.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Upright Gullstrand Stereo Fundus Microscope. pp. 404-7. Schirmer KE, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

The potential value of vitrectomy to basic sicence. pp. 130-5. van Heuven WJ, et al.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitrectomy in diabetic retinopathy. pp. 575-8. Wetzig PC.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

Vitreous surgery and retinal detachment. O'Grady GE.
Int Ophthalmol Clin 16(1):169-93, Spring 76

Editorial: Surgical approach to the vitreous. Fitzgerald CR.
Invest Ophthalmol 15(6):447-8, Jun 76

Drainage of the subretinal fluid and injection of saline solution into the vitreous body. Blagojević M, et al.
Mod Probl Ophthalmol 15:169-73, 1975

Puncture of subretinal fluid controlled by transillumination with fiber-optics. Dominguez A. **Mod Probl Ophthalmol** 15:134-6, 1975

Microsurgical roto-extractor instrument for vitrectomy. Douvas NG. **Mod Probl Ophthalmol** 15:253-60, 1975

Innovations in the technique for drainage of subretinal fluid, transillumination and choroidal diathermy. Freeman HM, et al. **Mod Probl Ophthalmol** 15:119-26, 1975

The current status of vitreous membrane surgery. Freeman HM, et al. **Mod Probl Ophthalmol** 15:261-71, 1975

Release of subretinal fluid with the aid of the microscope. Report on 100 cases. Gärtner J. **Mod Probl Ophthalmol** 15:127-33, 1975

Drainage of subretinal fluid: why, when, where and how. Johnston GP, et al. **Mod Probl Ophthalmol** 15:107-206, 1975

The role of non-drainage in reoperation. Leaver PK, et al. **Mod Probl Ophthalmol** 15:180-4, 1975

Encircling operations without drainage of subretinal fluid. Lincoff H, et al. **Mod Probl Ophthalmol** 15:188-96, 1975

Vitrectomy in the treatment os severe diabetic retinopathy, with follow-up. Mandelcorn M, et al.
Mod Probl Ophthalmol 15:226, 1975

Controlled release of subretinal fluid. Martin B.
Mod Probl Ophthalmol 15:149-53, 1975

Drainage of subretinal fluid with a cathode needle. Meyer-Schwickerath G, et al. **Mod Probl Ophthalmol** 15:154-7, 1975

Intraocular injection of balanced salt solution and/or air as aids in the release of subretinal fluid. Rodriguez A.
Mod Probl Ophthalmol 15:158-62, 1975

Late removal of dense posthemorrhagic vitreous membranes following cataract extraction. Rodriguez A.
Mod Probl Ophthalmol 15:279-84, 1975

The treatment of massive vitreous retraction by the separation of pre-retinal membranes using liquid silicone. Scott JD. **Mod Probl Ophthalmol** 15:185-90, 1975

Traction release of subretinal fluid. Spalter HF.
Mod Probl Ophthalmol 15:163-8, 1975

Editorial: Vitrectomy. Shafer DM. **N Engl J Med** 295(15):836-8, 7 Oct 76

Phakoemulsification with vitrectomy through the pars plana. Coleman DJ. **Ophthalmic Surg** 6(4):95-8, Winter 75

Fifty consecutive eyes with anterior segment disease treated by the pars plana approach. Peyman GA, et al.
Ophthalmic Surg 7(2):78-82, Summer 76

Optimized underwater diathermy for vitreous surgery. Schepens CL, et al. **Ophthalmic Surg** 6(4):82-9, Winter 75

Intraocular irrigating solutions for clinical vitrectomy. Waltman SR, et al. **Ophthalmic Surg** 6(4):90-4, Winter 75

Donders Lecture 1972. Biological factors in vitreous surgery. François J. **Ophthalmologica** 171(4-5):390-404, 1975

Eye disorders. A new attitude toward the vitreous. O'Malley P. **Postgrad Med** 58(3):233-8, Sep 75

Current progress in vitreous and retinal surgery. L'Esperance FA Jr. **Sight Sav Rev** 45(4):149-55, Winter 75-76

Vitreous surgery--a summary of past and current concepts. Lewis ML. **Sight Sav Rev** 46(1):11-8, Spring 76

Management of intraocular opacities with the roto-extractor. Barber JC. **Tex Med** 71(12):59-62, Dec 75

Pars plana vitrectomy. Retinal detachment. Aaberg TM.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):402-5, May-Jun 76

Pars plana vitrectomy. Microsurgical pars plana lensectomy. Douvas NG. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):371-81, May-Jun 76

Ultrasonic fragmentation for vitrectomy and associated surgical procedures. Girard LJ, et al.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):432-50, May-Jun 76

Pars plana vitrectomy. The role of vitrectomy in penetrating ocular injuries. Hutton WL.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):414-9, May-Jun 76

Pars plana vitrectomy. Future horizons. Kreiger AE.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):426-30, May-Jun 76

Release of anterior segment vitreous strands. Lynn JR.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):451-3, May-Jun 76

Pars plana vitrectomy. Introduction. Machemer R.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):350-1, May-Jun 76

Pars plana vitrectomy. Summary. Machemer R.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):431, May-Jun 76

Pars plana vitrectomy. Removal of preretinal membranes. Machemer R. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):420-5, May-Jun 76

Pars plana vitrectomy. Vitrectomy technique in anterior segment surgery. Michels RG, et al.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):382-93, May-Jun 76

Pars plana vitrectomy. Vitrectomy in diabetic retinopathy. Myers FL, et al.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):399-401, May-Jun 76

Pars plana vitrectomy. Vitrectomy treatment of vitreous opacities. Peyman GA, et al.
Trans Am Acad Ophthalmol Otolaryngol 81(3 Pt 1):394-8, May-Jun 76

Pars plana vitrectomy. Principles of instrumentation. Ryan SJ Jr. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):352-7, May-Jun 76

Pars plana virectomy. Preoperative evaluation. Tolentino FI, et al. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):358-70, May-Jun 76

Corneal problems after retinal and vitreous surgery. Brodrick

JD. **Trans Ophthalmol Soc UK** 95(1):138–41, Apr 75
Vitrectomy via the pars plana. Film commentary. Chester GH. **Trans Ophthalmol Soc UK** 95(1):115–7, Apr 75
Indications for vitrectomy via the pars plana. Irvine AR. **Trans Ophthalmol Soc UK** 95(3):436–43, 1975
Electro-mechanical vitreous cutter and extractor. Maguire CJ, et al. **Trans Ophthalmol Soc UK** 95(1):108–12, Apr 75
Open skies vitrectomy. Scott JD. **Trans Ophthalmol Soc UK** 95(3):444, 1975
Treatment of massive vitreous retraction. Scott JD. **Trans Ophthalmol Soc UK** 95(3):429–32, 1975
Ocular endodiathermy and endocryothermy. Experimental and clinical observations. Irvine AR, et al. **Trans Pac Coast Otoophthalmol Soc** 55:303–22, 1974
[Vitrectomy by the pars plana by use of Kloti's vitreotome] Regnault F, et al. **Bull Mem Soc Fr Ophtalmol** (87):85–9, 1976 **(Fre)**
[Role of vitrectomy in centro-corneal wounds with vitreous issue] Aflalo G, et al. **Bull Soc Ophtalmol Fr** 75(4):433–40, Apr 75 **(Fre)**
[Presentation of a film about vitrectomy by the anterior route] Haut MJ, et al. **Bull Soc Ophtalmol Fr** 74(3):299, Mar 74 **(Fre)**
[Surgical treatment of retinal detachment without drainage: apropos of 100 consecutive cases] Coscas G, et al. **Mod Probl Ophthalmol** 15:174–9, 1975 (Eng. Abstr.) **(Fre)**
[Puncture in retinal detachment surgery] Guillaumat L, et al. **Mod Probl Ophthalmol** 15:207–13, 1975 (Eng. Abstr.) **(Fre)**
[Pars plana vitrectomy with the vitreous stripper] Klöti R. **Mod Probl Ophthalmol** 15:246–52, 1975 (Eng. Abstr.) **(Fre)**
[Attitude toward subretinal fluid and consequent treatment of idiopathic retinal detachment] Rouchy JP, et al. **Mod Probl Ophthalmol** 15:214–25, 1975 (Eng. Abstr.) **(Fre)**
[Indications for vitrectomy] Vena A. **Mod Probl Ophthalmol** 15:291–9, 1975 **(Fre)**
[Proceedings: Perforating keratoplasty in aphakia with transpupillary vitrectomy] Meyer HJ, et al. **Ber Dtsch Ophthalmol Ges** (73):639–40, 1975 **(Ger)**
[The status of vitrectomy at present (author's transl)] Gnad HD. **Klin Monatsbl Augenheilkd** 166(6):817–25, Jun 75 (Eng. Abstr.) **(Ger)**
[Clinical and technical aspects of subretinal drainage] Hübner H, et al. **Mod Probl Ophthalmol** 15:137–42, 1975 **(Ger)**
[A case of bilateral vitreous amyloidosis which was successfully treated with vitreous surgery (author's transl)] Matsui M, et al. **Acta Soc Ophthalmol Jpn** 80(3):142–6, Mar 76 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Human vitreous transplantation. Shafer DM. **Ann R Coll Surg Engl** 58(1):25–33, Jan 76
Ultrasonic and laser techniques for vitreous transplantation in retinal detachment and diabetic retinopathy. pp. 655–64. Karlin DB.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, 1976. WW 250 C748a 1974.

ULTRASTRUCTURE

Ultrastructural features of posterior vitreous detachment. Foos RY. **Albrecht von Graefes Arch Klin Ophthalmol** 196(2):103–11, 6 Aug 75
Electron microscopic study on the gel of the central part of the corpus vitreum in the ox. Schwarz W. **Cell Tissue Res** 168(2):271–5, 6 May 76
The normal vitreous and its ultrastructure. pp. 5–16. Hogan MJ.
In: Irvine AR, O'Malley C, ed. Advances in vitreous surgery. Springfield, Ill. Thomas, Thomas, 1976. WW 250 C748a 1974.

VIVISECTION

Letter: Wiseman's 'Primate'. Stevens C. **Hastings Cent Rep** 5(5):4, Oct 75
Editorial: Vivisection. **Lancet** 02(7987):667–8, 25 Sep 76

HISTORY

Celsus on human vivisection at Ptolemaic Alexandria. Scarborough J. **Clio Med** 11(1):25–38, Apr 76

VM 26 see under **PODOPHYLLOTOXIN**

VOCABULARY

Criticisms regarding the use of the E.P.V.T. in subnormality research. Wheldall K, et al. **Br J Disord Commun** 9(2):140–3, Oct 74
Word retrieval strategies of aphasic adults in conversational speech. pp. 165–74. Marshall RC.
In: Brookshire RH, ed. Clinical aphasiology. Minneapolis, BRK Publishers, 1975. W3 C5698 1975c.
Intersecting languages in psychoanalysis and philosophy. Agosta L. **Int J Psychoanal Psychother** 5:507–34, 1976
Procedures to increase some aspects of creativity. Glover J, et al. **J Appl Behav Anal** 9(1):79–84, Spring 76
In search of a language intervention lexicon. Schuster J, et al. **J Commun Disord** 8(1):1–14, Mar 75
Arousal and imagery effects on reminiscence and forgetting of nouns. Hohn RL, et al. **J Gen Psychol** 94(First Half):147–8, Jan 76
Qualitative vocabulary test responses and age. Botwinick J, et al. **J Gerontol** 30(5):574–7, Sep 75
Dirt, pollution, and patina: a vocabulary of behavioral control. Kursh CO. **Psychoanal Rev** 63(1):5–25, Spring 76
Effects of verbal learning on reproduction of visually perceived forms as a function of instructions, delay of reproduction, and age. Ardila R. **Psychol Rep** 38(1):259–65, Feb 76
The layman's medical vocabulary. A study of illness definitions and perceived need for medical care. Allander E, et al. **Scand J Soc Med** 4(1):31–40, 1976
[The multiple selection vocabulary test (MSVT-B)—an accelerated intelligence test] Merz J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 27(7):423–8, Jul 75 (Eng. Abstr.) **(Ger)**
[Transfer of various organizational structures in the free reproduction of word lists] Hoffmann J. **Z Naturwiss Med Grundlagenforsch** 183(2):129–40, 1975 (Eng. Abstr.) **(Ger)**

VOCAL CORD PARALYSIS

Vocal cord paralysis. p. 168. Hiroto I.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

CHEMICALLY INDUCED

[Laryngeal paralysis and associated tracheobronchial lesions of unusual toxic origin] Olariu B, et al. **Rev Chir [Otorinolaringol]** 21(2):153–6, Apr–Jun 76 **(Rum)**

COMPLICATIONS

Mitral valve disease associated with tracheal tug and Ortner's syndrome. Karhade NV, et al. **J Med Soc NJ** 72(11):937–9, Nov 75
[Case of unusual esophageal diverticulum with recurrent nerve paralysis in Hodgkin's disease] Kuś J, et al. **Otolaryngol Pol** 29(6):649–52, 1975 **(Pol)**
[Treatment of hoarseness caused by unilateral paralysis of the vocal cords] Curioca E, et al. **An Otorrinolaringol Ibero Am** 3(2):141–59, 1976 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Clinical examination for voice disorders in recurrent laryngeal nerve palsy. pp. 159–67. Hirano M.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
[Diagnostic problems posed by laryngeal hemiparalysis] Traissac L, et al. **Rev Laryngol Otol Rhinol (Bord)** 95(11–12):767–72, Nov–Dec 74 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Experimental studies on the treatment of unilateral vocal cord paralysis. Neiger M, et al. **Acta Otolaryngol (Stockh)** 80(1–2):150–4, Jul–Aug 75
Experience with vocal cord injection. Lewy RB. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):440–50, Jul–Aug 76

ETIOLOGY

A new symdrome of left vocal cord paresis and esophageal diverticulum due to mediastinal fibrosis. Lerner MA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):193–7, Sep 75
Vocal cord paralysis due to pulmonary tuberculosis. Farmer WC, et al. **Am Rev Respir Dis** 112(4):565–9, Oct 75
Letter: Vocal cord paralysis due to pulmonary tuberculosis. Snider GL. **Am Rev Respir Dis** 113(3):401, Mar 76
Etiology of bilateral abductor vocal cord paralysis: a review of 389 cases. Holinger LD, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):428–36, Jul–Aug 76
Causes of recurrent laryngeal nerve paralysis. Titche LL. **Arch Otolaryngol** 102(5):259–61, May 76
Bilateral vocal cord paralysis. A complication of percutaneous cannulation of the internal jugular veins. Butsch JL, et al. **Arch Surg** 111(7):828, Jul 76
Isolated vocal-cord paralysis following blunt trauma to the chest. Carter SL, et al. **Chest** 69(2):250, Feb 76
Recurrent laryngeal nerve palsy and endotracheal intubation. Ellis PD, et al. **J Laryngol Otol** 89(8):823–6, Aug 75
Ortner's syndrome associated with primary pulmonary hypertension. Kagal AE, et al. **J Postgrad Med** 21(2):91–5, Apr 75
Laryngeal problems following infant esophageal surgery. Robertson JR, et al. **Laryngoscope** 86(7):965–70, Jul 76
Syringobulbia as a cause of laryngeal stridor in childhood. Alcala H, et al. **Neurology (Minneap)** 25(9):875–8, Sep 75
Preoperative recurrent laryngeal nerve paralysis in patients subjected to thyroid surgery. Arosenius KE, et al. **Ups J Med Sci** 81(2):93–5, 1976
[Laryngo-pharyngeal paralysis. Complications during the course of myelomeningoceles] Jehan P, et al. **Arch Fr Pediatr** 32(1):49–58, Jan 75 (Eng. Abstr.) **(Fre)**
[Transient left recurrent laryngeal nerve paralysis after cardioversion] Manelis G, et al. **Harefuah** 88(12):568–9, 15 Jun 75 (Eng. Abstr.) **(Heb)**
[New data on laryngeal paralysis] Drașoveanu C, et al. **Rev Chir [Otorinolaringol]** 19(5):359–64, Oct–Dec 74 (Eng. Abstr.) **(Rum)**

FAMILIAL & GENETIC

Hereditary abductor vocal cord paralysis. Gacek RR. **Ann Otol Rhinol Laryngol** 85(1 Pt 1):90–3, Jan–Feb 76

PATHOLOGY

Avellis' syndrome, its pathology and differential diagnosis. Bauer F. **Acta Otorhinolaryngol Belg** 29(6):1010–7, 1975

PHYSIOPATHOLOGY

Is the vocal cord truly immovable in the recurrent laryngeal nerve paralysis? pp. 169–70. Hiroto I, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
[2 unusual laryngeal electromyographic readings] DeJonckere P. **Electrodiagn Ther** 12(4):155–8, 1975 **(Fre)**
[The implication of the cricothyroid muscle in paralysis of the vocal cords (author's transl)] Lakatos I, et al. **Laryngol Rhinol Otol (Stuttg)** 54(6):452–7, Jun 75 (Eng. Abstr.) **(Ger)**

SURGERY

Thyroplasty type I (lateral compression) for dysphonia due to vocal cord paralysis or atrophy. Isshiki N, et al. **Acta Otolaryngol (Stockh)** 80(5–6):465–73, Nov–Dec 75
Teflon injection of vocal cords under general anesthesia: a new method. Carden E, et al. **Anesth Analg (Cleve)** 54(6):739–41, Nov–Dec 75
Bilateral abductor paralysis: 30 years experience with arytenoidectomy. Woodman DG, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):437–9, Jul–Aug 76
Evaluation of Teflon injection procedures for paralytic dysphonia. Fritzell B, et al. **Folia Phoniatr (Basel)** 26(6):414–21, 1974
Partial recovery of paralytic vocal cord. Report of a case. Sardana DS, et al. **Indian J Pediatr** 42(331):235–6, Aug 75
An endolaryngeal method of vertico-lateral transposition of the vocal cord for bilateral abductor paralysis. Langnickel R. **Laryngoscope** 86(7):1020–8, Jul 76
Arytenoidectomy revisited. Newman MH, et al. **Laryngoscope** 86(6):840–9, Jun 76
Surgical management of bilateral vocal cord paralysis. Sessions DG, et al. **Laryngoscope** 86(4):559–66, Apr 76
Human laryngeal reinnervation. Tucker HM. **Laryngoscope** 86(6):769–79, Jun 76
[Indication and timing of conservative surgery of peripheral neurogenic vocal cord pareses (author's transl)] Gabriel P, et al. **HNO** 23(11):333–6, Nov 75 (Eng. Abstr.) **(Ger)**
[Surgery for voice improvement in complete paralyis of recurrent laryngeal nerve] pp. 366–72. Pahn J.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)
[Vocal cord implant in the recurrent paralysis] Perelló J. **An Otorrinolaringol Ibero Am** 2(3):13–8, 1975 **(Spa)**
[Arytenoidectomy by recurrent bilateral paralysis] Tomás JF, et al. **An Otorrinolaringol Ibero Am** 1(4):88–93, 1974 (Eng. Abstr.) **(Spa)**

THERAPY

Larynx injected with polytef paste. Stephens CB, et al. **Arch Otolaryngol** 102(7):432–5, Jul 76
Vocal cord injection in the treatment of acute and chronic aspiration. Rontal E, et al. **Laryngoscope** 86(5):625–34, May 76
Diagnosis and treatment of paralysis of the larynx and pharynx. Dedo HH. **Proc R Soc Med** 68(10):639–41, Oct 75

VETERINARY

[New surgical treatment for laryngeal paralysis in the dog] Cela M, et al. **Folia Vet Lat** 5(2):215–26, Apr–Jun 75 (Eng. Abstr.) **(Eng, Ita)**
Bilateral asymmetry of equine laryngeal muscles. Quinlan T, et al. **NZ Vet J** 23(7):145–7, Jul 75

VOCAL CORDS

Results of radiation therapy of early carcinoma of the vocal cords. Inoue T, et al. **Acta Radiol [Ther] (Stockh)** 14(4):318–24, Aug 75
Carcinoma of the glottic larynx. Daly CJ, et al. **Am J Surg** 130(4):489–92, Oct 75
Second primary cancer after irradiation of laryngeal cancer. Lawson S, et al. **Ann Otol Rhinol Laryngol** 84(6):771–5, Nov–Dec 75
Experience with vocal cord injection. Lewy RB. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):440–50, Jul–Aug 76
The psychosomatic aspects of children with vocal nodules. Toohill RJ. **Arch Otolaryngol** 101(10):591–5, Oct 75
The role of irradiation in the treatment of carcinoma of the vocal cords. Heusinkveld RS, et al. **Ariz Med** 32(10):811–2, Oct 75
Vocal polyps and nodules. Härmä R, et al. **Fo'ia Phoniatr (Basel)** 27(1):19–25, 1975
Decreasing limitations of partial laryngectomy for vocal cord

cancer. pp. 424–5. Biller HF, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.
Superficially invasive epidermoid carcinoma of the true vocal cord. pp. 120–1. McGavran MH, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.
Localization of the vocal folds and registration of their movements by ultrasound. pp. 349–54. Holmer NG, et al.
In: Kazner E, et al., ed. Ultrasonics in medicine. Amsterdam. Excerpta Medica, 1975. W3 EX89 no.363 1975.
Identification, evaluation, therapy, and follow-up for children with vocal nodules in a public school setting. Deal RE, et al. **J Speech Hear Disord** 41(3):390–7, AUG 76
Editorial: Vocal cord nodules in children. Hussey HH. **JAMA** 233(11):1195–6, 15 Sep 75
The evaluation of treatment of patients with extensive squamous cancer of the vocal cords. Jesse RH. **Laryngoscope** 85(9):1424–9, Sep 75
Cordal cancer with extension to vocal process. Som ML. **Laryngoscope** 85(8):1298–307, Aug 75
[Diagnosis and treatment of a case of anterior adhesion of the vocal cords] Segers JM, et al. **Acta Otorhinolaryngol Belg** 29(3):502–9, 1975 (Eng. Abstr.) **(Fre)**
[Hypothesis for one cause of vocal cord nodules in alto singers] Lacina O. **Folia Phoniatr (Basel)** 27(5):321–4, 1975 (Eng. Abstr.) **(Ger)**
[Clinical phonospectroscopy. Preliminary note] Tluchowski W, et al. **Otolaryngol Pol** 29(3):251–9, 1975 (Eng. Abstr.) **(Pol)**
[Ultrasonic therapy of patients with polypoid hypertrophy of the vocal cords] Kadymova MI. **Vestn Otorinolaringol** (4):67–71, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Nodules on vocal cords] Chumakov FI, et al. **Zh Ushn Nos Gorl Bolezn** (4):84–7, Jul–Aug 75 **(Rus)**

ABNORMALITIES

Respiratory distress with cardiomegaly in a neonate. Nudel DB, et al. **Chest** 70(2):285–6, Aug 76
[Surgical treatment of laryngeal diaphragms] Sala O. **Ann Otolaryngol Chir Cervicofac** 91(10–11):627–8, Oct–Nov 74 **(Fre)**

ANATOMY & HISTOLOGY

[Function of the laryngeal muscles on the position and shape of the vocal cord (author's transl)] Koike Y, et al. **J Otolaryngol Jpn** 78(12):1249–57, 20 Dec 75 (Eng. Abstr.) **(Jpn)**

INNERVATION

Human laryngeal reinnervation. Tucker HM. **Laryngoscope** 86(6):769–79, Jun 76

PATHOLOGY

Grand rounds: unilateral lesions of the false cord. Palva T. **Ann Otol Rhinol Laryngol** 85(3 pt 1):410–4, May–Jun 76
Vocal cord fixation in laryngeal carcinoma. Belson TP, et al. **Arch Otolaryngol** 102(5):281–3, May 76
[About some changes of the vocal cord mucosa and of Reinke's Subepithelial space (author's transl)] Kosoković F, et al. **Laryngol Rhinol Otol (Stuttg)** 55(2):91–5, Feb 76 (Eng. Abstr.) **(Ger)**
[Carcinosarcoma of the larynx (author's transl)] Schmidt–Bäumler U, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):772–7, Sep 75 (Eng. Abstr.) **(Ger)**
[Histological characteristics of chronic inflammatory edema of the vocal cords] Alimov AI, et al. **Vestn Otorinolaringol** (5):80–5, Sept–Oct 1974 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The electroglottography and its relation to glottal activity. Lecluse FL, et al. **Folia Phoniatr (Basel)** 27(3):215–24, 1975
The vibratory mode of the vocal folds in the excised larynx. Matsushita H. **Folia Phoniatr (Basel)** 27(1):7–18, 1975
Analysis of high-speed motion pictures of the vocal folds. Tanabe M, et al. **Folia Phoniatr (Basel)** 27(2):77–87, 1975
Function of the laryngeal muscles on the position and shape of the vocal cord. pp. 257–63. Koike Y, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
Laboratory investigations in electroglottography. pp. 294–6. Lecluse FL.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
Observation of the vocal cord vibration by glottal waves using on-line-computer-system and clinical application. pp. 357–65. Ono H, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.
Ultrasonic registration of the fundamental frequency of a voice during normal speech. Holmer NG, et al. **J Acoust Soc Am** 58(5):1073–7, Nov 75
[High-speed motion pictures of vocal cord movements in open and covered singing] Luchsinger R. **Folia Phoniatr (Basel)** 27(2):88–92, 1975 (Eng. Abstr.) **(Ger)**
[Current data on the process of voice production] Lebedeva NF. **Vestn Otorinolaringol** (4):51–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Objective evaluation of vocal pathology using voice spectrography. Rontal E, et al. **Ann Otol Rhinol Laryngol** 84(5 Pt 1):662–71, Sep–Oct 75
Is the vocal cord truly immovable in the recurrent laryngeal nerve paralysis? pp. 169–70. Hiroto I, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

RADIATION EFFECTS

[Vocal cord function following radiotherapy for laryngeal neoplasms] Maniecka–Aleksandrowicz B. **Otolaryngol Pol** 29(3):245–50, 1975 (Eng. Abstr.) **(Pol)**

SURGERY

Thyroplasty type I (lateral compression) for dysphonia due to vocal cord paralysis or atrophy. Isshiki N, et al. **Acta Otolaryngol (Stockh)** 80(5–6):465–73, Nov–Dec 75
Endolaryngeal cryosurgery. An improved technique. Mulvaney TJ, et al. **Arch Otolaryngol** 102(4):226–9, Apr 76
Decreasing limitations of partial laryngectomy for vocal cord cancer. Biller HF, et al. **Can J Otolaryngol** 4(3):432–3, 1975
Limitations of cordectomy. Daly JF. **Can J Otolaryngol** 4(3):420–5, 1975
Limitations of cordectomy. pp. 412–7. Daly JF.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.
Laryngofissure and cordectomy. Daly JF, et al. **Laryngoscope** 85(8):1290–7, Aug 75
Surgical procedure for devocalizing roosters. Hammarlund MA, et al. **Vet Med Small Anim Clin** 71(3):357–9, Mar 76
[Reconstruction of the vocal cord using a skin graft. Preliminary note] Sénéchal G. **Ann Otolaryngol Chir Cervicofac** 92(10–11):621–4, Oct–Nov 75 **(Fre)**
[Laser surgery of the vocal cord. An experimental study (author's transl)] Karduck A, et al. **Laryngol Rhinol Otol (Stuttg)** 55(2):144–51, Feb 76 (Eng. Abstr.) **(Ger)**
[Voice after microsurgical removal of the pathologically altered mucosa of the vocal cords using Kleinsasser's method] Krahulec I, et al. **Cesk Otolaryngol** 25(1):41–3, Feb 76 (Eng. Abstr.) **(Slo)**

VOCALIZATION, ANIMAL

The biological significance of duetting and antiphonal song. Thorpe WH. **Acta Neurobiol Exp (Warsz)** 35(5–6):517–28, 1975
Sound production by Simochromis diagramma (Günther) (Pisces, Cichlidae). Nelissen M. **Acta Zool Pathol Antverp** (61):19–24, Jan 75
The vocalizations of pygmy marmosets (Cebuella pygmaea). Pola YV, et al. **Anim Behav** 23(4):826–42, Nov 75
Effects of bobwhite calls and repeated testing on tonic, defensive, immobility of bobwhite quail. Eyer JC, et al. **Behav Biol** 15(4):491–6, Dec 75
Stimulus intensity and acoustical communication in young domestic chicks. Evans RM. **Behaviour** 55(1–2):73–80, 1975
The process of species-specific song recognition by the indigo bunting, Passerina cyanea, and its relationship to the organization of avian acoustical behavior. Shiovitz KA. **Behaviour** 55(1–2):128–79, 1975
Aggressive communication by Larus glaucescens. III. Description of the displays related to territorial protection. Stout JF. **Behaviour** 55(3–4):181–208, 1975
Fat and glycogen utilization in the larynx Muscles of fire-bellied toads (Bombina bombina L.) during calling activity. Eichelberg H, et al. **Cell Tissue Res** 167(1):1–10, 5 Mar 76
Interclavicular air sac pressures and vocalization in mallard ducks Anas platyrhynchos. Lockner FR, et al. **Comp Biochem Physiol [A]** 52(1):183–7, 1 Sep 75
Experimental studies of the ontogeny of ultrasonic vocalizations in bats. Gould E. **Dev Psychobiol** 8(4):333–46, Jul 75
Selective responding by recently separated juvenile rhesus monkeys to the calls of their mothers. Hansen EW. **Dev Psychobiol** 9(1):83–8, Jan 76
Olfactory, thermal, and tactual influences on infantile ultrasonic vocalization in rats. Oswalt GL, et al. **Dev Psychobiol** 8(2):129–35, Mar 75
Responses of human-reared monkeys to strange simian calls. Waldrop MK. **Dev Psychobiol** 8(3):269–73, May 75
Wireless microphone for studies of animal vocalizations. McKinley P, et al. **Experientia** 32(1):132–3, 15 Jan 76
Vocalizations of howler monkeys (Alouatta palliata) in southwestern Panama. Baldwin JD, et al. **Folia Primatol (Basel)** 26(2):81–108, 1976
Duetting songs in birds: biological significance of stationary and non-stationary processes. Wickler W. **J Theor Biol** 60(2):493–7, 7 Aug 76
Hearing and communication in birds: the cocktail-party-effect in intraspecific communication of Agapornis roseicollis (aves, psittacidae). Busnel RG, et al. **Life Sci** 17(10):1567–9, 15 Nov 75
Ultrasound production by the long haired rat of Australia (Rattus villosissimus). Begg R. **Ultrasonics** 14(4):177–82, Jul 76
Surgical procedure for devocalizing roosters. Hammarlund MA, et al. **Vet Med Small Anim Clin** 71(3):357–9, Mar 76
Affiliation between the sexes in common grackles. II: Spatial and vocal coordination. Wiley RH. **Z Tierphysiol** 40(3):244–64, Mar 76
Guinea-pig vocalizations: their structure, causation and function. Berryman JC. **Z Tierpsychol** 41(1):80–106, May 76
Vocal communication in the pallid bat, Antrozous pallidus. Brown P. **Z Tierpsychol** 41(1):34–54, May 76
Vocalizations of male Euplectes in captivity. Craig AJ. **Z Tierpsychol** 41(2):191–201, Jun 76
Individuality in a long-range vocalization of wild chimpanzees. Marler P, et al. **Z Tierpsychol** 38(1):37–109, Aug 75
Songs, choruses and countersinging of Kloss' gibbons (Hylobates klossii) in Siberut Island, Indonesia. Tenaza RR. **Z Tierpsychol** 40(1):37–52, Jan 76
Field studies on the African fruit bat Epomophorus wahlbergi (Sundevall), with special reference to male calling. Wickler W, et al. **Z Tierpsychol** 40(4):345–76, Apr 76
Variation in the temporal characteristics of the vocalizations of bullfinches, Pyrrhula pyrrhula. Wilkinson R, et al. **Z Tierpsychol** 38(2):200–11, Sep 75
[Individuality and type specificity in the songs of a population of hazel grouse (Bonasa bonasia bonasia L., Tetraoninae, Phasianidae)] Bergmann HH, et al. **Behaviour** 55(1–2):94–114, 1975 **(Ger)**
[Effect of testosterone on the beginning of singing in the zebra finch (Taeniopygia guttata castanotis)] Sossinka R, et al. **Z Tierpsychol** (39):259–64, 1975 (Eng. Abstr.) **(Ger)**
[Influencing the partner in duet chant of the robin Cossypha heuglini Hartlaub (Aves, Turidiae)] Wickler W. **Z Tierpsychol** 36:128–136, 1974 (Eng. Abstr.) **(Ger)**
[Spectrum of the calling songs, phonotaxis and the auditory system in the cricket Gryllus bimaculatus] Popov AV, et al. **Zh Evol Biokhim Fiziol** 11(5):453–60, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effects of testosterone and estrogen on the rate of long-calling vocalization in juvenile laughing gulls, Larus atricilla. Terkel AS, et al. **Horm Behav** 7(1):49–57, Mar 76
Enhancement of apomorphine-induced inhibition of vocalisation afterdischarge response by theophylline. Paalzow G, et al. **Life Sci** 17(7):1145–51, 10 Oct 75
Post-ejaculatory vocalization in castrated rats treated with various steroids. Parrott RF, et al. **Physiol Behav** 15(2):159–63, Aug 75
[Effect of testosterone on the beginning of singing in the zebra finch (Taeniopygia guttata castanotis)] Sossinka R, et al. **Z Tierpsychol** (39):259–64, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Repetitive vocalizations evoked by electrical stimulation of avian brains. IV. Evoked and spontaneous activity in expiratory and inspiratory nerves and muscles of the chicken (Gallus gallus). Peek FW, et al. **Brain Behav Evol** 12(1–2):1–41, 1975
Vocalization elicited in a lizard by electrical stimulation of the midbrain. Kennedy M. **Brain Res** 91(2):321–5, 27 Jun 75
Projections from the 'cingular' vocalization area in the squirrel monkey. Müller-Preuss P, et al. **Brain Res** 103(1):29–43, 13 Feb 76
Vocalizations and their behavioral contexts in the tamarin Saguinus fuscicollis. Moody MI, et al. **Folia Primatol (Basel)** 25(2–3):73–94, 1976
Midbrain mechanisms of calling and their relation to emotional states. pp. 275–304. Andrew RJ.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974. (74 ref.)
Brain organization and neuromuscular control of vocalization in birds. pp. 243–74. Phillips RE, et al.
In: Wright P, et al., ed. Neural and endocrine aspects of behaviour in birds. Amsterdam, Elsevier Scientific, 1975. W3 NE695 1974. (84 ref.)
Regulation of voice amplitude by the monkey. Sinnott JM, et al. **J Acoust Soc Am** 58(2):412–4, Aug 75
Hormone concentrating cells in vocal control and other areas of the brain of the zebra finch (Poephila guttata). Arnold AP, et al. **J Comp Neurol** 165(4):487–511, 15 Feb 76
Central control of song in the canary, Serinus canarius. Nottebohm F, et al. **J Comp Neurol** 165(4):457–86, 15 Feb 76
Development of species identification in ducklings: II. Experimental prevention of perceptual deficit caused by embryonic auditory deprivation. Gottlieb G. **J Comp Physiol Psychol** 89(7):675–84, Sep 75
Sexual dimorphism in vocal control areas of the songbird brain. Nottebohm F, et al. **Science** 194(4261):211–3, 8 Oct 76

[Participation of mesencephalic structures in vocal reactions] Shliafer TP, et al. **Zh Vyssh Nerv Deiat** 25(6):1292–9, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

VOCATIONAL EDUCATION

Proceedings of Puerto Rican conferences on human services. Meeting the mental health needs of the law offender. pp. 133–41. Robles IN.
In: Curren DJ, et al., ed. Proceedings of Puerto Rican conferences on human services. Washington, National Coalition of Spanish-Speaking Mental Health Organizations, 1975. WM 30 P96 1974.

[Personality studies on students of teacher's colleges with reference to their suitability for this profession] Szabó P, et al. **Aerztl Jugendkd** 66(3):243–5, Sep 75 **(Ger)**

[Hygienic assessment of the conditions of vocational training in workshops of vocational schools] Zdunkiewicz L. **Rocz Panstw Zakl Hig** 26(4):541–7, 1975 (Eng. Abstr.) **(Pol)**

[Hygienic characteristics of the industrial training of students at a vocational technical school in the occupation of telegrapher] Brovenko EF. **Gig Sanit** (3):28–32, Mar 76 (Eng. Abstr.) **(Rus)**

[Study regimen of secondary vocational-technical school students as footwear fitters] El'iashev AA, et al. **Gig Sanit** (4):27–31, Apr 76 (Eng. Abstr.) **(Rus)**

[Physical development of the students at Donbass vocational technical mining schools] Kharkovenko NM. **Gig Sanit** (1):103–5, Jan 76 **(Rus)**

[Effect of training the occupationally important physiological functions on the work capacity of vocational technical school students] Leonova LA. **Gig Sanit** (3):38–41, Mar 76 (Eng. Abstr.) **(Rus)**

[Some data on the complex evaluation of the functional state of the body of vocational-technical school students] Sarkisiants EE, et al. **Gig Sanit** (6):36–40, Jun 76 (Eng. Abstr.) **(Rus)**

STANDARDS

[Influence of the daily regime on the functional state of the organism of students of a secondary professional technical school being trained in the specialty of turner] Khramtsova AD. **Gig Sanit** (11):36–40, Nov 75 (Eng. Abstr.) **(Rus)**

VOCATIONAL GUIDANCE

Slide-tape helps recruitment. Funke J, et al. **Can Nurse** 71(7):27, Jul 75

Impact of a life planning workshop on perceived locus of control. Lynch ML, et al. **Psychol Rep** 37(3 PT 2):1219–22, Dec 75

Operation MEDIHC–Texas pilot project. An experience in meshing military allied health workers with civilian health care needs. Hemphill FM, et al. **Public Health Rep** 90(3):235–40, May–Jun 75

[School physicians and vocational advice in schools] Helbo S. **Ugeskr Laeger** 137(46):2738–40, 10 Nov 75 (Eng. Abstr.) **(Dan)**

[Tasks of the orthopedic consultation department in the vocational guidance of physically handicapped adolescents] Magiera J. **Beitr Orthop Traumatol** 22(2):121–3, Feb 75 **(Ger)**

[Genetic skin diseases—a focal point of human genetic and vocational medical counseling of the dermatologist] pp. 183–96. Schubert H.
In: Bach H, ed. Humangenetische Beratung genetisch belasteter Personen. Jena, Friedrich-Schiller-Univ, 1975. QZ 50 H918 1974. **(Ger)**

[A vocational counselor's view of the four-day week] pp. 227–36. Andina-Heim R.
In: Battegay R, et, al., ed. Aspekte der Sozialpsychiatrie und Psychohygiene. Bern, Huber, 1975. WM 440 K82a 1974. (Eng. Abstr.) **(Ger)**

[Catamnestic studies of the value of vocational prognoses for persons with infantile brain-damage (author's transl)] Huffmann G. **Rehabilitation (Stuttg)** 15(2):97, May 76 (Eng. Abstr.) **(Ger)**

[Ways and means of vocational counseling and guidance for young school graduates with impaired health (constant medical supervision) as a social challenge] Gebert P. **Z Gesamte Hyg** 20(12):842–4, Dec 74 (Eng. Abstr.) **(Ger)**

[Practical training conditions and regimen for students of mining industry occupational and technical schools] Borisenkova RV, et al. **Gig Sanit** (9):107–8, Sep 75 **(Rus)**

[Medico-pedagogical aspect of occupational orientation of schoolchildren] Minkina VA, et al. **Vopr Okhr Materin Det** 19(4):84–6, Apr 74 **(Rus)**

[School physician and vocational guidance] Spánik J, et al. **Cesk Pediatr** 30(6):301–4, Jun 75 (Eng. Abstr.) **(Slo)**

VOCATIONAL REHABILITATION see **REHABILITATION, VOCATIONAL**

VOCATIONS see **OCCUPATIONS**

VOICE

see related
CRYING

Voice terminal may offer opportunities for employment to the disabled. Glenn JW, et al. **Am J Occup Ther** 30(5):309–12, May–Jun 76

Vocal shimmer in sustained phonation of normal and pathologic voice. Kitajima K, et al.
Ann Otol Rhinol Laryngol 85(3 pt 1):377–81, May–Jun 76

Objective evaluation of vocal pathology using voice spectrography. Rontal E, et al.
Ann Otol Rhinol Laryngol 84(5 Pt 1):662–71, Sep–Oct 75

Acoustic reflex characteristics in spastic dysphonia. Hall JW, et al. **Arch Otolaryngol** 102(7):411–5, Jul 76

Myasthenia gravis focal to the larynx. Report of a case. Neiman RF, et al. **Arch Otolaryngol** 101(9):569–70, Sep 75

Method for determining pilot stress through analysis of voice communication. Kuroda I, et al.
Aviat Space Environ Med 47(5):528–33, May 76

An investigation into the analysis and terminology of voice quality and its correlation with the assessment reliability of speech therapists. Wynter H. **Br J Disord Commun** 9(2):102–9, Oct 74

The nature of primary vocal tremor. Hachinski VC, et al. **Can J Neurol Sci** 2(3):195–7, Aug 75

Evaluation of Teflon injection procedures for paralytic dysphonia. Fritzell B, et al. **Folia Phoniatr (Basel)** 26(6):414–21, 1974

Quantitative assessment of voice function in microlaryngology. Gould WJ. **Folia Phoniatr (Basel)** 27(3):190–200, 1975

The effect of anesthesia of the internal branch of the superior laryngeal nerve upon phonation: an aerodynamic study. Gould WJ, et al. **Folia Phoniatr (Basel)** 27(5):337–49, 1975

Assessment of vocal function by air-flow measurements. Kelman AW, et al. **Folia Phoniatr (Basel)** 27(4):250–62, 1975

Air flow onset and variability. Murry T, et al.
Folia Phoniatr (Basel) 27(06):401–9, 1975

Problems of the singing voice. van Deinse JB, et al.
Folia Phoniatr (Basel) 26(6):428–34, 1974

Language and voice in mongoloid children. pp. 28–32. Bergendal B.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Some aspects of voice confrontation. pp. 61–4. Breckwoldt GH.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The laryngograph and Voiscope in speech therapy. pp. 116–22. Fourcin AJ, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The effect of auditory feedback on the vocalizations of hearing-impaired children. pp. 132–4. Goff SM.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Clinical examination for voice disorders in recurrent laryngeal nerve palsy. pp. 159–67. Hirano M.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

A two-level concept of vocal registers. pp. 188–94. Hollien H, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Experimental and clinical study of thyroplasty as a new type of phonosurgery. pp. 213–6. Isshiki N, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The hypertensive syndrome: A practical therapeutic approach to its occurrence in the dysphonias. pp. 287–93. Lawrence TZ.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Some critical remarks on present-day treatment of disorders of the singing voice. pp. 316–7. Lycke H.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Observations about altered postural schemes on voice troubles. pp. 33–6. Naidich S.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The role of the respiratory muscles in phonation. pp. 351–6. Okamura H, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Postmedicamentous voice virilisation. X-ray examination of the larynx. pp. 396–9. Pruszewicz A, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Determination of the subglottic pressure and the efficiency of sound production in patients with disturbed voice production. pp. 415–20. Schutte HK, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Fact-finding of voice and speech disorders in schoolchildren in Yokosuka City, Japan. Investigation of the municipal elementary and junior high schools (over 30,000 children). pp. 473–7. Sugawara A.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Longitudinal study of children's voices at puberty. pp. 486–90. Tosi O, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

EMG investigation of abdominal musculature during phonation. pp. 502–10. Wedin S.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

Laryngeal reflex mechanisms in phonation. pp. 528–37. Wyke B.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.

The use of hypnosis with children with deviant voices. Laguaite JK. **Int J Clin Exp Hypn** 24(2):98–104, Apr 76

Perception of voicing in English affricates and fricatives. Cole RA, et al. **J Acoust Soc Am** 58(6):1280–7, Dec 75

Ultrasonic registration of the fundamental frequency of a voice during normal speech. Holmer NG, et al.
J Acoust Soc Am 58(5):1073–7, Nov 75

Input acoustic-impedance measurement of the subglottal system. Ishizaka K, et al. **J Acoust Soc Am** 60(1):190–7, Jul 76

The modification and generalization of voice loudness in a fifteen-year-old retarded girl. Jackson DA, et al.
J Appl Behav Anal 7(3):461–71, Fall 74

Social elicitation of infant vocal behavior. Bloom K.
J Exp Child Psychol 20(1):51–8, Aug 75

Voice predicts affect during psychotherapy. Roessler R, et al. **J Nerv Ment Dis** 163(3):166–76, Sep 76

Identification, evaluation, therapy, and follow-up for children with vocal nodules in a public school setting. Deal RE, et al. **J Speech Hear Disord** 41(3):390–7, AUG 76

Spectrographic comparison of two types of spastic dysphonia. Wolfe VI, et al. **J Speech Hear Disord** 41(3):325–32, AUG 76

A comparison of the contributions of two voice quality characteristics to the perception of maleness and femaleness in the voice. Coleman RO. **J Speech Hear Res** 19(1):168–80, Mar 76

Comparison of glottal area changes as measured from ultrahigh-speed photographs and photoelectric glottographs. Harden J. **J Speech Hear Res** 18(4):728–38, Dec 75

Vertical laryngeal position during continuous and discrete vocal frequency change. Shipp T. **J Speech Hear Res** 18(4):707–18, Dec 75

Letter: Comment on 'stuttering frequency and the onset of phonation'. Young MA. **J Speech Hear Res** 18(3):600–2, Sep 75

A statistical analysis of laryngeal frequency: its relationship to intensity level and duration. Boe LJ, et al.
Lang Speech 18(1):1–13, Jan–Mar 75

Subglottal and oral air pressures during phonation-preliminary investigation using a miniature transducer system. Kitzing P, et al. **Med Biol Eng** 13(5):644–8, Sep 75

Perceived age and sex characteristics of voices of institutionalized children with Down's syndrome. Montague JC Jr. **Percept Mot Skills** 42(1):215–9, Feb 76

Pitch control in the human voice. Rostron AB.
Q J Exp Psychol 28(2):305–10, May 76

Speech therapy for benign and pre-malignant lesions of the larynx. Prinz M.
Trans Pa Acad Ophthalmol Otolaryngol 29(1):79–86, Spring 76

Misadventures with injectable teflon. Rubin HJ.
Trans Pac Coast Otoophthalmol Soc 55:93–100, 1974

Dialects in Japanese monkeys: vocal learning and cultural transmission of locale-specific vocal behavior? Green S. **Z Tierpsychol** 38(3):304–14, Oct 75

Repetitions and pattern switches in songs of cardinals, Cardinalis cardinalis. Lemon RE. **Z Tierpsychol** 38(3):294–303, Oct 75

Quantitative analysis of the vocal repertoire of squirrel monkeys (Saimiri sciureus). Schott D. **Z Tierpsychol** 38(3):225–50, Oct 75

[Development of voice and language in the crying cat syndrome] Sedláčková E. **Cesk Otolaryngol** 24(6):362–9, Dec 75 (Eng. Abstr.) **(Cze)**

[Problems of voice disorders in children] Novák A. **Cesk Pediatr** 31(5):250–1, May 76 **(Cze)**

[External laryngeal electromyographic technic in laryngologic and phoniatric clinical practice] Dejonckere P. **Acta Otorhinolaryngol Belg** 29(4):677–91, 1975 (Eng. Abstr.) **(Fre)**

[Intention and action myoclonus. Analysis of changes in voice and speech] Dordain M, et al. **Folia Phoniatr (Basel)** 27(2):93–105, 1975 (Eng. Abstr.) **(Fre)**

[Voice and speech disorders in the Parkinsonian syndrome] Uziel A, et al. **Folia Phoniatr (Basel)** 27(3):166–76, 1975 (Eng. Abstr.) **(Fre)**

[Objective study of the effect of rapid improvement of hearing on certain voice characteristics] pp. 318–24. Maximov I.
In: Loebell E, ed. XVIth International Congress of

Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Fre)

[Sonagraphic analysis of dysarthria in Steele–Olzewski–Richardson syndrome] Arnott G, et al. **Lille Med** 20(7):607–16, Aug–Sep 75 (Fre)

[Whistler for two voices (sound of whistle produced by man) (author's transl)] Wieser M, et al. **Arch Otorhinolaryngol (NY)** 211(1):51–8, 30 Oct 75 (Eng. Abstr.) (Ger)

[Voice fitness examinations of adolescents] Ackermann R. **Folia Phoniatr (Basel)** 27(5):370–4, 1975 (Ger)

[Experimental studies of rare voice phenomena in a case of spastic dysphonia] Frint T. **Folia Phoniatr (Basel)** 26(6):422–7, 1974 (Eng. Abstr.) (Ger)

[Laryngeal and voice findings in congenital adrenogenital syndrome with adrenocortical hyperplasia] Heinemann M. **Folia Phoniatr (Basel)** 26(6):450–60, 1974 (Eng. Abstr.) (Ger)

[Hypothesis for one cause of vocal cord nodules in alto singers] Lacina O. **Folia Phoniatr (Basel)** 27(5):321–4, 1975 (Eng. Abstr.) (Ger)

[High-speed motion pictures of vocal cord movements in open and covered singing] Luchsinger R. **Folia Phoniatr (Basel)** 27(2):88–92, 1975 (Eng. Abstr.) (Ger)

[Objectifying voice changes with a number computed from common centers of gravity in the sonographic contour display] Padovani D. **Folia Phoniatr (Basel)** 26(6):435–49, 1974 (Eng. Abstr.) (Ger)

[Assessment of the degree of severity of voice disorders] Pahn J, et al. **Folia Phoniatr (Basel)** 27(06):472–9, 1975 (Eng. Abstr.) (Ger)

[Psychological test results and the etiology of psychogenic dysphonia] Pfau EM. **Folia Phoniatr (Basel)** 27(4):298–306, 1975 (Eng. Abstr.) (Ger)

[Determination and clinical assessment of the condition of the average individual speaking voice. Experimental study] Schultz-Coulon HJ. **Folia Phoniatr (Basel)** 27(5):375–86, 1975 (Eng. Abstr.) (Ger)

[The pathogenesis of functional dysphonias (author's transl)] Bauer H. **HNO** 23(5):165–7, May 75 (Eng. Abstr.) (Ger)

[I. Methods for investigation of the voice (author's transl)] Pascher W, et al. **HNO** 23(3):84–90, Mar 75 (Eng. Abstr.) (Ger)

[Applied phoniatry: II. Functional dysphonies (author's transl)] Pascher W, et al. **HNO** 23(10):320–7, Oct 75 (Eng. Abstr.) (Ger)

[Fundamental frequency analysis – a contribution to the objective examination of the speaking and singing voice (author's transl)] Schultz-Coulon HJ. **HNO** 23(7):218–25, Jul 75 (Eng. Abstr.) (Ger)

[An observation on cricothyroid muscle function (author's transl)] van Deinse JB, et al. **HNO** 23(8):246–52, Aug 75 (Eng. Abstr.) (Ger)

[Plosive sound analysis in open nasality] pp. 17–20. Bauer H, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Trend in frequency distribution of voice and speech disorders in a 5-year period] pp. 123–7. Frank F, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Diagnostic value of the acoustic pressure curve of vowel formants in deaf children] pp. 143–9. Handzel L.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Role of acoustic analysis in the diagnosis of pathologically altered infant voices] pp. 171–7. Hirschberg J, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Paranasal sinuses as resonance chambers: a radiologic study] pp. 278–81. Łączkowska M, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Surgery for voice improvement in complete paralyis of recurrent laryngeal nerve] pp. 366–72. Pahn J.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Laryngeal asymmetry: etiology and pathogenesis] pp. 373–7. Pascher W, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Normal phono-pneumotachygram] pp. 421–6. Seidner W, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Respiratory, voice and speech behavior in 4-year-olds] pp. 454–6. Spiecker-Henke M.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Function of the vocal muscle and the cricothyroid muscle in phonation] pp. 466–72. Sram F, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Methodology for analysis of voice sounds] pp. 518–21. Wendler J, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[Psychiatric psychological findings in functional dysphonias] Neumärker M, et al. **Z Aerztl Fortbild (Jena)** 29(6):291–5, 15 Mar 75 (Ger)

[Voice and speech--their relationship to the orofacial system and their importance for certain groups of occupations] Heidelbach JG. **Zahn Mund Kieferheilkd** 63(4):356–63, 1975 (Ger)

[Voice recognition by skin perception] Ifukube T. **Jpn J Med Electron** 14(1):70–1, Feb 76 (Jpn)

[Monitor of voice loudness] Klajman S, et al. **Otolaryngol Pol** 29(3):275–8, 1975 (Eng. Abstr.) (Pol)

[Nose resonance cavities] Łączkowska M. **Otolaryngol Pol** 29(3):279–87, 1975 (Eng. Abstr.) (Pol)

[Electropalatography. Experimental and clinical studies] Pawlowski Z. **Otolaryngol Pol** 29(3):265–73, 1975 (Eng. Abstr.) (Pol)

[Phoniatric procedure to follow in voice mutation and associated disorders] Pruszewicz A, et al. **Otolaryngol Pol** 29(3):311–6, 1975 (Pol)

[Evaluation of the otolaryngological and phoniatric state in patients with prognathism prior to and following surgery] Pruszewicz A, et al. **Otolaryngol Pol** 29(3):237–44, 1975 (Eng. Abstr.) (Pol)

[Voice development in children with the crying cat syndrome] Sedlackova E. **Otolaryngol Pol** 29(3):223–30, 1975 (Eng. Abstr.) (Pol)

[Clinical phonospectroscopy. Preliminary note] Tluchowski W, et al. **Otolaryngol Pol** 29(3):251–9, 1975 (Eng. Abstr.) (Pol)

[Sedlačková's syndrome] Bogdan C. **Rev Chir [Otorinolaringol]** 20(2):81–6, Apr–Jun 75 (Eng. Abstr.) (Rum)

[Pharyngo-laryngeal pains in functional dysphonia] Bogdan C, et al. **Rev Chir [Otorinolaringol]** 20(4):281–4, Oct–Dec 75 (Eng. Abstr.) (Rum)

[Directed action on the vocal timbre of singers by changing the frequency characteristics of the tract of the reverse acoustic association] Kiselev AN. **Vestn Otorinolaringol** (3):81–6, May–Jun 76 (Eng. Abstr.) (Rus)

[Current data on the process of voice production] Lebedeva NF. **Vestn Otorinolaringol** (4):51–5, Jul–Aug 75 (Eng. Abstr.) (Rus)

[Perceptual Classification of phonemes as perceived by dogs] Baru AV. **Zh Evol Biokhim Fiziol** 11(5):461–7, Sep–Oct 75 (Rus)

[Voice after microsurgical removal of the pathologically altered mucosa of the vocal cords using Kleinsasser's method] Krahulec I, et al. **Cesk Otolaryngol** 25(1):41–3, Feb 76 (Eng. Abstr.) (Slo)

DRUG EFFECTS

[Could contraceptives with progestational effect cause voice changes?] **Ned Tijdschr Geneeskd** 119(44):1726–7, 1 Nov 75 (Dut)

VOICE PRODUCTION, ALARYNGEAL

An implanted electronic laryngeal prosthesis. Bailey BJ, et al. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):427–83, Jul–Aug 76

Laryngectomy: postsurgical rehabilitation of communication. Gray S, et al. **Arch Phys Med Rehabil** 57(3):140–2, Mar 76

VoiceBak—speech for the speechless. Mohrman RF. **Biomater Med Devices Artif Organs** 3(4):473–80, 1975

Factors influencing the learning of esophageal speech. Keith RL, et al. **Br J Disord Commun** 9(2):110–6, Oct 74

Intraoral air pressure variability in esophageal speakers. Murry T, et al. **Folia Phoniatr (Basel)** 27(4):237–49, 1975

Vocal rehabilitation at or following laryngectomy. pp. 560–2. McGrail JS.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Experiences with the Asai technique. pp. 557–9. Miller AH.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Biophysical requirements for new and projected procedures and devices for voice rehabiliation after total laryngectomy. pp. 579–86. Murry T.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

X-ray video-tape studies of laryngectomized patients. Bentzen M, et al. **J Laryngol Otol** 90(7):655–66, Jul 76

Post-laryngectomy vocal rehabilitation. Preliminary report of a one-stage method using expired air and a valved prosthesis. Edwards N. **J Laryngol Otol** 88(10):905–18, Oct 74

The use of an intraoral training aid in the speech rehabilitation of laryngectomy patients. Light J, et al. **J Prosthet Dent** 35(4):430–40, Apr 76

Acquisition of esophageal speech subsequent to learning pharyngeal speech: an unusual case study. Torgerson JK, et al. **J Speech Hear Disord** 41(2):233–7, May 76

Intelligibility characteristics of superior esophageal speech presented under various levels of masking noise. Horii Y, et al. **J Speech Hear Res** 18(3):413–9, Sep 75

Technical aspects of reed fistula speech rehabilitation following pharyngolaryngectomy. Shedd D, et al. **J Surg Oncol** 8(4):305–10, 1976

Auditory versus audio-visual intelligibility measurements of alaryngeal speech: a preliminary report. Berry RA, et al. **Percept Mot Skills** 40(3):915–8, Jun 75

Vocal rehabilitation after total laryngectomy. Bailey BJ. **Trans Pac Coast Otoophthalmol Soc** 55:77–84, 1974

[Social assistance to the laryngectomized. Concerning a survey of 150 operated persons] Van De Calseyde P, et al. **Acta Otorhinolaryngol Belg** 29(4):696–714, 1975 (Eng. Abstr.) (Fre)

[Restoration of voice after partial laryngectomy] pp. 483–5. Taptapova SL.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Fre)

[Radiocinematographic study of deglutition and phonation in patients after recontructive laryngectomy with crico-hyoido-pexy] Alajmo E, et al. **J Radiol Electrol Med Nucl** 56 suppl 2:446–8, 1975 (Fre)

[Intelligence of laryngectomees relative to artificial voice capacity] Pfau EM. **Folia Phoniatr (Basel)** 27(5):364–9, 1975 (Eng. Abstr.) (Ger)

[Sound pressure relations of esophageal speech] pp. 400–2. Sáfrán A, et al.
In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p. (Ger)

[A new improved speech-aid for laryngektomized patients (author's transl)] Brusis T, et al. **Laryngol Rhinol Otol (Stuttg)** 55(2):163–5, Feb 76 (Eng. Abstr.) (Ger)

[Voice and speech rehabilitation in laryngectomized patients. The vocalistic method] Holejko-Szuladzińska M, et al. **Otolaryngol Pol** 29(3):295–309, 1975 (Eng. Abstr.) (Pol)

[Classification of the quality of alaryngeal voice and speech in laryngectomized patients] Pruszewicz A. **Otolaryngol Pol** 29(5):487–91, 1975 (Eng. Abstr.) (Pol)

[Need for phoniatric rehabilitation after microsurgical operations of the larynx] Cvejić D, et al. **Med Pregl** 28(7-8):321–3, 1975 (Ser)

INSTRUMENTATION

Air bypass voice prosthesis for vocal rehabilitation of laryngectomees. Taub S. **Can J Otolaryngol** 4(4):579–82, 1975

METHODS

New and projected procedures and devices for voice rehabilitation after total larngectomy. Bailey BJ, et al. **Can J Otolaryngol** 4(4):605–9, 1975

Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. Calcaterra TC. **Can J Otolaryngol** 4(4):568–70, 1975

Tracheo-esophageal shunt vocal rehabilitation. Komorn RM. **Can J Otolaryngol** 4(4):563–7, 1975

Vocal rehabilitation at or following laryngectomy. McGrail JS. **Can J Otolaryngol** 4(4):552–4, 1975

Experiences with the Asai technique. Miller AH. **Can J Otolaryngol** 4(4):549–51, 1975

Biophysical requirements for new and projected procedures and devices for voice rehabilitation after total laryngectomy. Murry T. **Can J Otolaryngol** 4(4):571–8, 1975

New techniques for vocal rehabilitation. Rogers JH, et al. **Can J Otolaryngol** 4(4):595–604, 1975

Further appraisal of reed-fistula speech following pharyngolaryngectomy. Shedd D, et al. **Can J Otolaryngol** 4(4):583–7, 1975

Rehabilitation after laryngectomy with a hypopharyngeal voice prosthesis. Sisson GA, et al. **Can J Otolaryngol** 4(4):588–94, 1975

New and projected procedures and devices for voice rehabilitation after total laryngectomy. pp. 613–7. Bailey BJ, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Tracheo-esophageal shunt for speech rehabilitation after total laryngectomy. pp. 576–8. Calcaterra TC.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Tracheo-esophageal shunt vocal rehabilitation. pp. 571–5. Komorn RM.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

New techniques for vocal rehabilitation. pp. 603–12. Rogers JH, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Further appraisal of reed-fistula speech following pharyngolaryngectomy. pp. 591–5. Shedd D, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Rehabilitation after laryngectomy with a hypopharyngeal voice prosthesis. pp. 596–602. Sisson GA, et al.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.
Air bypass voice prosthesis for vocal rehabilitation of laryngectomees. pp. 587–90. Taub S.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton–Century–Crofts, 1976. WV 520 C397w 1976.

VOICE TRAINING

Letter: Vocal frequency and vertical larynx positioning by singers and nonsingers. Shipp T, et al.
J Acoust Soc Am 58(5):1104–6, Nov 75
Identification, evaluation, therapy, and follow–up for children with vocal nodules in a public school setting. Deal RE, et al. **J Speech Hear Disord** 41(3):390–7, AUG 76
Shaping behavior in voice therapy. Drudge MK, et al.
J Speech Hear Disord 41(3):398–411, AUG 76
[Restoration of the singing voice by use of the AK–MV (Anna Kelly–Mihai Vasilopol) method] Bogdan C.
Rev Chir [Otorinolaringol] 20(1):9–14, Jan–Mar 75 (Eng. Abstr.) **(Rum)**
[Directed action on the vocal timbre of singers by changing the frequency characteristics of the tract of the reverse acoustic association] Kiselev AN. **Vestn Otorinolaringol** (3):81–6, May–Jun 76 (Eng. Abstr.) **(Rus)**

METHODS

[Applied phoniatry. V. Laryngeal diagnosis and rehabilitation after laryngeal surgery (author's transl)] Johannsen HS, et al. **HNO** 24(2):63–9, Feb 76 **(Ger)**

VOLATILIZATION

Vapor permeation efficiency of clothing by naphthalene sublimation. Nishi Y. **Arch Sci Physiol (Paris)** 27(2):163–9, 1973
Proceedings: A preliminary report on the development of a new injector–vaporizer. Salamonsen RF.
Br J Anaesth 47(8):901–2, Aug 75
Letter: Volatiles and osmometry. Barlow WK. **Clin Chem** 22(7):1230–2, Jul 76

INSTRUMENTATION

An aerosol generator of high stability. Liu BY, et al.
Am Ind Hyg Assoc J 36(12):861–5, Dec 75
Ultrasonic nebulizer in local anesthesia for bronchoscopy. Palva T, et al. **ORL** 37(5):306–11, 1975

VOLES see under **RODENTS**

VOLITION

Proceedings: Learned voluntary control of diastolic pressure, and circularoty effects of attempted muscle contraction in severely paralysed patients. Brucker B, et al.
J Physiol (Lond) 252(2):67P–68P, Nov 75
Behavior therapy versus 'will power' in the management of obesity. Jeffrey DB, et al. **J Psychol** 90(Second Half):303–11, Jul 75
The voluntary act. O'Connor D. **Med Sci Law** 15(1):31–6, Jan 75
[Do we know the neural bases of volition? Evolutionist and neurodynamic approach] Siciliani O.
Acta Neurol (Napoli) 30(3):292–306, May–Jun 75 (Eng. Abstr.) **(Ita)**

VOLKMANN'S CONTRACTURE

ETIOLOGY

[Ischemic and anoxic necrosis of the muscles of the forearm and hand (Volkmann's contracture) (author's transl)] Gosset J. **Ann Chir** 29(12):1059–64, Dec 75 (Eng. Abstr.) **(Fre)**
[Ischemic and anoxic necroses of the muscles of the forearm and hand] Gosset J. **Chirurgie** 101(4):281–9, 12–19 Mar 75 **(Fre)**

HISTORY

The classic. Ischemic contracture experimental study by Paul N. Jepson, M.D. Jepson PN. **Clin Orthop** (113):3–7, Nov–Dec 75

PHYSIOPATHOLOGY

[Volkmann's ischemic contracture and the dynamics of its EMG picture] Wlodarska A., et al.
Chir Narzadow Ruchu Ortop Pol 40(4):527–33, 1975 (Eng. Abstr.) **(Pol)**

SURGERY

Free muscle transplantation by microsurgical neurovascular anastomoses. Report of a case. **Chin Med J [Engl]** 2(1):47–50, Jan 76
Treatment of established Volkmann's ischemic contracture of the forearm and hand. Ahstrom JP Jr.
Curr Pract Orthop Surg 6:213–27, 1975
Treatment of established Volkmann's contracture. Tsuge K.
J Bone Joint Surg [Am] 57(7):925–9, Oct 75
Free muscle transplantation by microsurgical technique to treat severe Volkmann's contracture. Ikuta Y, et al.
Plast Reconstr Surg 58(4):407–11, Oct 76

VOLUNTARY HEALTH AGENCIES

VIIth Eastern Regional Tuberculosis Conference, Sydney, 30 October – 3 November, 1972. Proceedings of the Conference. **Bull Int Union Tuberc** 49 suppl 1:1–340, Aug 74
The role of voluntary bodies (including fund raising) in countries of the Eastern Region. **Bull Int Union Tuberc** 49 suppl 1:205–13, Aug 74
Korean Tuberculosis program. Lee CS.
Bull Int Union Tuberc 49 suppl 1:113–4, Aug 74
The rehabilitation of recovered TB patients. Samarasinghe CE. **Bull Int Union Tuberc** 49 suppl 1:231–5, Aug 74
Letter: Fund–raising by voluntary agencies. Troy MT.
Can Med Assoc J 113(5):364–7, 6 Sep 75
Cancer communiqué. Recent American Cancer Society research grants. **Del Med J** 47(8):419, Aug 75
The role of the American Heart Association in relation to its affiliates and chapters in CPR and ECC programming. pp. 255–6. Burnap TK.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.
The role of the American Heart Association in cardiopulmonary resuscitation and emergency cardiac care. pp. 257–8. Yu PN.
In: National Conference on Standards for Cardiopulmonary Resuscitation and Emergency Cardiac Care. Dallas, American Heart Assoc, 1975. WG 205 N273p 1973.
The role of the voluntary organization in encouraging use of voluntary sterilization in family planning and population programs. pp. 187–93. Cutler JC.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
How to establish a voluntary organization and its role in voluntary sterilization. pp. 292–6. Freeman RE Jr.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Constitution and by–laws for a National Association for Voluntary Sterilization. pp. 359–66. Morgan RE Jr.
In: Schima ME, et al., ed. Advances in voluntary sterilization. Amsterdam, Excerpta Medica, 1974. W3 EX89 no.284 1973.
Current programs in professional education of the American Cancer Society. Bunshaw RH. **J Med Assoc Ga** 64(8):318–9, Aug 75
The volunteer health organization: a role in professional education? McGinnis LS. **J Med Assoc Ga** 65(4):114–5, Apr 76
Doctors and drug dependency. Beyond the fringe. Mathers GC. **J R Coll Gen Pract** 25(159):778–90, Oct 75
Role of voluntary agencies in promoting breast–feeding. Tompson M. **J Trop Pediatr** 21(5):264–6, Oct 75
Editorial: Nursing Mothers' Association of Australia.
Med J Aust 1(20):730, 15 May 76 (96 ref.)
Editorial: Childbirth Education Association (Australia).
Med J Aust 1(21):771, 22 May 76
A volunteer crisis service. Pattern of utilization and referral. Webster IW, et al. **Med J Aust** 2(16):630–4, 18 Oct 75
A commercial weight–reducing organization: a critical analysis. Williams AE, et al. **Med J Aust** 1(21):781–5, 22 May 76
Comparative results of an obesity clinic and a commercial weight–reducing organization. Williams AE, et al.
Med J Aust 1(21):800–802, 22 May 76
A cucumber from Roberta. Herman BJ. **MH** 60(2):19–21, Summer 76
Progress toward a National Blood System. The American Blood Commission. Surgenor DM. **N Engl J Med** 294(25):1367–71, 17 Jun 76
Geriatric services study group. Bricknell JG. **Nurs Times** 71(42):1676–9, 16 Oct 75
Letter: American Dentists for Foreign Service, Inc.
NY J Dent 46(2):60, Feb 76
Editorial: Changing role of the voluntary health agency. Magill CD. **Rocky Mt Med J** 72(8):327, Aug 75
The geriatric scene in Pietermaritzburg. Hofmeyr H, et al. **S Afr Med J** 49(51):2127–30, 29 Nov 75
Priorities and projects of the International Agency for the Prevention of Blindness. **Sight Sav Rev** 45(4):165–7, Winter 75–76
Challenges. Moore TR. **Sight Sav Rev** 45(3):101–4, Fall 75
'Tubercle' and the International Union against Tuberculosis. **Tubercle** 56(2):161–2, Jun 75
Editorial: The American Trauma Society–a challenge and an opportunity. Haynes BW Jr. **Va Med Mon** 102(10):819–20, Oct 75
[Role and functions of benevolent associations] Jeanes CW.
Bull Int Union Tuberc 49(1):288–9, 1974 **(Fre)**
[Role of a tuberculosis association in a country with a low incidence of tuberculosis] McManis G.
Bull Int Union Tuberc 49(1):296–7, 1974 **(Fre)**
[Role of the benevolent association in tuberculosis control in the Republic of Korea] Song D.
Bull Int Union Tuberc 49(1):298–300, 1974 **(Fre)**
[Functions and role of benevolent antituberculosis associations] Tani P. **Bull Int Union Tuberc** 49(1):290–5, 1974 **(Fre)**
[Role and functions of benevolent associations] Yamaguchi M. **Bull Int Union Tuberc** 49(1):286–7, 1974 **(Fre)**
[Membership list. North German Society for tuberculosis and lung diseases] pp. 7–11.
In: Grabener J, ed. Epidemiologische Situation der Tuberkulose. Differentialdiagnose Differentialdiagnose der Lungenkrankheiten. Lübeck, Hansisches Verlag skontor, 1974. WF 600 E64 1973. **(Ger)**
[Proceedings: The cooperation of welfare institutions] Mordasini ER. **Schweiz Med Wochenschr** 105(28–29):917–9, 12 Jul 75 (Eng. Abstr.) **(Ger)**

HISTORY

Clifford Beers: a man for a cause.
Hosp Community Psychiatry 27(7):493–4, Jul 76
[Historical report on the situation of the 'fight against tuberculosis' in the town of Halle, Germany, 1899 (author's transl)] Strubel K. **Z Erkr Atmungsorgane** 143(2):154–61, May 75 (Eng. Abstr.) **(Ger)**

MANPOWER

In the hands of volunteers. Barker ER, et al.
Sight Sav Rev 45(2):75–82, Summer 75

VOLUNTARY WORKERS

The mechanics of widespread training of cardiopulmonary resuscitation. A community project implemented by volunteers. Flax P, et al. **Am Heart J** 91(1):123–5, Jan 76
Editorial: Volunteers and the aftermath of stroke.
Br Med J 3(5984):606, 13 Sep 75
Letter: Volunteers and the aftermath of stroke. **Br Med J** 3(5986):763, 27 Sep 75
Letter: Volunteers and the aftermath of stroke. Edwards M.
Br Med J 4(5994):460, 22 Nov 75
Volunteer scheme for dysphasia and allied problems in stroke patients. Griffith VE. **Br Med J** 3(5984):633–5, 13 Sep 75
Volunteers and the aftermath of stroke. Griffith VE.
Br Med J 4(5998):705, 20 Dec 75
Suicide and 'The Befrienders'. Holding TA. **Br Med J** 3(5986):751–2, 27 Sep 75
Friends unlimited: adolescents as helping resources. Irving JE. **Child Today** 4(4):14–6, 7, Jul–Aug 75
The black aged as good neighbors: an experiment in volunteer service. Faulkner AO. **Gerontologist** 15(6):554–9, Dec 75
Predictors of voluntaristic intent among the aged. An area study. Monk A, et al. **Gerontologist** 14(5 pt 1):425–9, Oct 74
Voluntarism: myriad of programs serve well. Rockwood B.
Hospitals 50(7):121–4, 1 Apr 76 (22 ref.)
Voluntary activities for the older American. pp. 173–84. Sainer JS.
In: Cull JG, Hardy RE, ed. The neglected older American. Springfield, Ill., Thomas, 1973. WT 30 N384 1973.
Volunteer case aides in the U.S.A. Lewington J.
Int J Soc Psychiatry 21(3):205–13, Autumn 75
The handicapped (mental and physical) as voluntary social workers: a form of therapy. Morley J.
Int J Soc Psychiatry 22(1):61–3, Spring 76
The use of the MMPI to predict conscientious hotline workers. Evans DR. **J Clin Psychol** 32(3):684–6, Jul 76
Effects of a companion program on college student volunteers and mental patients. Shipley RH.
J Consult Clin Psychol 44(4):688–9, Aug 76
Careers opportunities: nursing overseas. **Nurs Times** 72(23):894–6, 10 Jun 76
Projected social distances from mental patient related items by male and female volunteers and nonvolunteers. Adler LL, et al. **Psychol Rep** 37(2):515–21, Oct 75
Personality characteristics of volunteers. Howarth E.
Psychol Rep 38(3 pt. 1):855–8, Jun 76
Effectiveness of crisis center volunteers and the personal orientation inventory. Otten MW, et al. **Psychol Rep** 37(3 PT 2):1107–11, Dec 75
Health knowledge of crisis intervention volunteers. Engs RC, et al. **Res Q Am Assoc Health Phys Educ** 47(1):121–5, Mar 76
In the hands of volunteers. Barker ER, et al.
Sight Sav Rev 45(2):75–82, Summer 75
[Health education in Norway in the 1970's. Voluntary organizations and official bodies]
Tidsskr Nor Laegeforen 96(17–18):970–5, 20 Jun 76 (Eng. Abstr.) **(Nor)**

EDUCATION

The training of telephone crisis intervention volunteers. Dixon MC, et al. **Am J Community Psychol** 3(2):145–50, Jun 75

UTILIZATION

Commitment leads to steadily growing home meals program. Duvall ME, et al. **Hospitals** 50(15):169–70, 172, 1 Aug 76
Voluntary and public co–operation in the care of the elderly. Pidgeon H. **R Soc Health J** 95(2):93–5, 98, Apr 75

VOLVULUS see **INTESTINAL OBSTRUCTION**

VOLVULUS, STOMACH see **STOMACH VOLVULUS**

VOMER see **NASAL SEPTUM**

VOMITING

The significance of the postmortem discovery of gastric contents in the air passages. Knight BH. **Forensic Sci** 6(3):229–34, Dec 75

[Examination of vomits] Srch M. **Soud Lek** 20(3):46–8, Aug 75 (Eng. Abstr.) **(Cze)**

[The postoperative vomiting after pyloromyotomie (author's transl)] Medrano J, et al. **Monatsschr Kinderheilkd** 123(6):509–12, Jun 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Postoperative vomiting after paediatric adenotonsillectomy. A survey of incidence following differing pre- and postoperative drugs. Smith BL, et al. **Br J Anaesth** 46(5):373–8, May 74

Toxicological approaches to the metabolites of Fusaria. IX. Isolation of vomiting factor from moldy corn infected with Fusarium species. Ishii K, et al. **Chem Pharm Bull (Tokyo)** 23(9):2162–4, Sep 75

[Letter: Away with coppersulfates] Schou J, et al. **Ugeskr Laeger** 137(42):2463, 13 Oct 75 **(Dan)**

[Relationship between retching induced by protoveratrine. A and biogenic amines in mice (author's transl)] Koga T, et al. **Fukuoka Acta Med** 66(9):532–5, 25 Sep 75 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Postemetic hematomas: a variant of the Mallory–Weiss syndrome. Watts HD. **Am J Surg** 132(3):320–1, Sep 76

Immediate care after aspiration of vomit. McCormick PW. **Anaesthesia** 30(5):658–65, Sep 75

Lesions brought on by vomiting: the effect of hiatus hernia of the site of injury. Watts HD. **Gastroenterology** 71(4):683–8, Oct 76

Hypochloremic alkalosis. Pathophysiologic problems and suggestions for treatment, illustrated by two cases with pyloric obstruction. Opdahl H. **J Oslo City Hosp** 26(2):17–27, Feb 76

[Metabolic alkalosis] Dubicki J, et al. **Pol Tyg Lek** 31(23):969–71, 7 Jun 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Diagnosis and therapy of recurring vomiting] Grüttner R. **Monatsschr Kinderheilkd** 124(5):328–30, May 76 **(Ger)**

[Esophago–gastro–duodenoscopy in diagnosis of recurring vomiting in childhood] Munte A, et al. **Monatsschr Kinderheilkd** 124(5):334–6, May 76 **(Ger)**

[Diagnosis of acetonemic periodic vomiting in children] Pysarchyk KI, et al. **Pediatr Akush Ginekol** (5):17–8, 1975 **(Ukr)**

DRUG THERAPY

Oral benzquinamide in the treatment of nausea and vomiting. Moertel CG, et al. **Clin Pharmacol Ther** 18(5 Pt 1):554–7, Nov 75

[New treatment of vomiting in infants] Formstecher P, et al. **Lille Med** 21(1 suppl 1):17–9, Jan 76 **(Fre)**

[Anti–emetic action of sulpiride in orthopedic surgery] Turra S, et al. **Clin Ortop** 24(4):272–80, Oct–Dec 73 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Letter: Thyrotoxic vomiting. **Br Med J** 2(6034):523–4, 28 Aug 76

Thyrotoxic vomiting. **Br Med J** 2(6033):474–5, 21 Aug 76

Letter: Vomiting with clonidine withdrawal. Hopkirk JA, et al. **Br Med J** 3(5980):435, 16 Aug 75

A case study of neurosis secondary to trauma in an eight–year–old girl. Comments on the tendency for psychogenic illness to become chronic. Pederson WM. **Clin Pediatr (Phila)** 14(9):859–61, Sep 75

Changes in tobacco smoking and ingestion of alcohol and caffeinated beverages during early pregnancy: are these consequences, in part, of feto–protective mechanisms diminishing maternal exposure to embryotoxins? pp. 173–83. Hook EB.
In: Kelly S, et al., ed. Birth defects: risks and consequences. New York, Academic Press, 1976. QS 675 B622 1974.

Unusual complication of amoebic liver abscess. Choudhury CR, et al. **J Indian Med Assoc** 64(8):210–1, 16 Apr 75

Unusual late complication of ventriculo–atrial shunts: case report. Riccio A, et al. **J Neurosurg Sci** 19(3):185, Jul–Sep 75

Editorial: The unripe akee – forbidden fruit. Bressler R. **N Engl J Med** 295(9):500–1, 26 Aug 76

Jamaican vomiting sickness. Biochemical investigation of two cases. Tanaka K, et al. **N Engl J Med** 295(9):461–7, 26 Aug 76

Cyclic vomiting as autonomic seizure. Kimura T, et al. **Yonago Acta Med** 19(2):160–9, Aug 75

[Intestinal malposition as cause of recurring vomiting in childhood] Färber D. **Monatsschr Kinderheilkd** 124(5):342–3, May 76 **(Ger)**

[Thoracic and abdominal abnormalities as cause of recurring vomiting] Waldschmidt J, et al. **Monatsschr Kinderheilkd** 124(5):340–1, May 76 **(Ger)**

[Esophago–gastric insufficiency as one of the causes of vomiting and regurgitation in young children] Nizovtsev RA. **Pediatriia** (11):34–6, Nov 75 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Clinical conference: Abdominal pain, vomiting, fever and pleural effusion. **Am J Med** 60(1):107–16, Jan 76

PHYSIOPATHOLOGY

Unit activity from cat area postrema influenced by drugs. Borison HL, et al. **Brain Res** 92(1):153–6, 4 Jul 75

PREVENTION & CONTROL

The postanesthetic antiemetic effect of premedication with dehydrobenzperidol before ether anesthesia. Alsner T, et al. **Acta Anaesthesiol Scand** 20(1):65–9, 1976

Food satiation as a procedure to decelerate vomiting. Jackson GM, et al. **Am J Ment Defic** 80(2):223–7, Sep 75

SURGERY

[Surgery in recurring vomiting] Würtenberger H. **Monatsschr Kinderheilkd** 124(5):331–4, May 76 **(Ger)**

THERAPY

Diarrhoea and vomiting in general practice. Roy BG. **J R Coll Gen Pract** 26(166):387–90, May 76

[Treatment of emesis and hyperemesis gravidarum by electroencephalostimulation (EES)] Belchev D, et al. **Akush Ginekol (Sofiia)** 14(1):33–7, 1975 (Eng. Abstr.) **(Bul)**

[The development of a psychosomatic basis therapy entitled 'the ftan meditation' (author's transl)] Staehelin B. **Praxis** 65(13):363–77, 30 Mar 76 (Eng. Abstr.) **(Ger)**

URINE

Identification of ethylmalonic acid in urine of two patients with the vomitting sickness of Jamaica. Tanaka K, et al. **Clin Chim Acta** 69(1):105–12, 17 May 76

VON GIERKE'S DISEASE see **GLUCOSEPHOSPHATASE DEFICIENCY**

VON WILLEBRAND FACTOR see under **BLOOD COAGULATION FACTORS**

VON WILLEBRAND'S DISEASE

Porcine and canine von Willebrand's disease. pp. 14–20. Walter Bowie EJ, et al.
In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.

Von Willebrand's disease. Hoyer LW. **Prog Hemostasis Thromb** 3:231–87, 1976 (332 ref.)

Clinical observations and their relationship to laboratory findings in the haemophilias. Rainsford SG, et al. **Thromb Diath Haemorrh** 34(3):734–9, 15 Dec 75

[Von Willebrand's disease] Clausen NT, et al. **Ugeskr Laeger** 137(42):2460–2, 13 Oct 75 **(Dan)**

[Surgical experience in Lille with patients with hemophilia and Von Willebrand's disease. Apropos of 93 cases] Laget–Corsin L. **Anesth Analg (Paris)** 32(4):603–16, Jul–Aug 75 **(Fre)**

BLOOD

Liver transplantation in pigs with von Willebrand's disease. Bowie EJ, et al. **Br J Haematol** 31(1):37–44, Sep 75

The von Willebrand syndrome. Stableforth P, et al. **Br J Haematol** 29(4):605–16, Apr 75

Willebrand factor in von Willebrand's disease. Boulton FE, et al. **Br Med J** 4(5993):384, 15 Nov 75

Radioimmunoassay of antihaemophilic factor (factor VIII) antigen. Paulssen MM, et al. **Clin Chim Acta** 63(3):349–53, 16 Sep 75

Factor VIII related antigen in platelets from patients with von Willebrand's disease: a study of eight cases. Piovella F, et al. **Haematologica (Pavia)** 61(2):194–201, Jun 76

Comparison of abnormalities of platelet function in human and porcine von Willebrand's disease. pp. 420–3. Bowie EJ, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

The platelet in von Willebrand's disease. pp. 406–13. Firkin BG, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Studies of the human factor VIII/von Willebrand factor protein. III. Qualitative defects in von Willebrand's disease. Gralnick HR, et al. **J Clin Invest** 56(4):814–27, Oct 75

Platelet membrane glycoproteins implicated in ristocetin–induced aggregation. Studies of the proteins on platelets from patients with Bernard–Soulier syndrome and von Willebrand's disease. Jenkins CS, et al. **J Clin Invest** 57(1):112–24, Jan 76

The effects of epinephrine infusion in patients with von Willebrand's disease. Rickles FR, et al. **J Clin Invest** 57(6):1618–25, Jun 76

Platelet–bound ristocetin aggregation factor in normal subjects and patients with von Willebrand's disease. Green D, et al. **J Lab Clin Med** 87(6):976–86, Jun 76

Electrophoretic heterogeneity of normal factor VIII/Von Willebrand protein, and abnormal electrophoretic mobility in patients with Von Willebrand's disease. Sultan Y, et al. **J Lab Clin Med** 87(2):185–94, Feb 76

Von Willebrand's disease: current concepts and report of case. Lorson EL, et al. **J Oral Surg** 34(7):655–60, Jul 76

Presence of factor VIII–related antigen in blood platelets of patients with Von Willebrand's disease. Bouma BN, et al. **Nature** 257(5526):510–12, 9 Oct 75

Dominant inherited familial factor VIII deficiency (Von Willebrand disease) associated with thrombocytopathic thrombocytopaenia. (Biologic and genetic implications). Sultan Y, et al. **Pathol Biol (Paris)** 22 suppl:27–36, Nov 74

Carbohydrate deficiency of the factor VIII/von Willebrand factor Protein in von Willebrand's disease variants. Gralnick HR, et al. **Science** 192(4234):56–9, 2 Apr 76

Proceedings: Two cases of von Willebrand's disease with specific inhibitors of ristocetin induced aggregation of normal platelets. Blombäck M, et al. **Thromb Diath Haemorrh** 34(2):583, 15 Nov 75

Proceedings: Mechanisms of the prolonged bleeding time in von Willebrand's disease (vWd). Mannucci PM, et al. **Thromb Diath Haemorrh** 34(2):607, 15 Nov 75

[Hemophilias with major deficiency in antihemophilic factor. Von Willebrand's disease. Circulating anti–AHG anti–AHG anticoagulants] Guimbretére J. **Anesth Analg (Paris)** 32(4):577–64, Jul–Aug 75 **(Fre)**

[A case of successfully removed and grafted abdominal aneurysm complicated with von Willebrand's disease—Coagulation studies (author's transl)] Abe K. **Acta Haematol Jpn** 38(6):776–81, Dec 75 (Eng. Abstr.) **(Jpn)**

[Platelet function tests in von Willebrand's syndrome (author's transl)] Nagao T, et al. **Acta Haematol Jpn** 38(6):748–52, Dec 75 (Eng. Abstr.) **(Jpn)**

[Ristocetin–induced platelet aggregation in von Willebrand's disease, thrombasthenia and essential athrombia with special reference to AHF–like antigen (author's transl)] Ishiguro J, et al. **Jpn J Clin Hematol** 16(7):716–24, Jul 75 (Eng. Abstr.) **(Jpn)**

[Molecular defect in hemophilia and von Willebrand's disease (author's transl)] Fukui H. **Jpn J Clin Pathol** 24(4):274–8, Apr 76 **(Jpn)**

[Willebrand's disease (review of the literature)] Shabalov NP. **Probl Gematol Pereliv Krovi** 21(6):37–43, Jun 76 (173 ref.) **(Rus)**

CLASSIFICATION

Subdivision of the so–called 'enlarged von Willebrand–Jürgens syndrome'. pp. 399–405. Marx R, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

COMPLICATIONS

Thermal injury in von willebrand disease. Management of burn wound bleeding. Andes WA, et al. **Arch Surg** 111(3):280–3, Mar 76

Oral surgical complications with Von Willebrand's Disease, a case report. Cohen MP. **J Oral Med** 30(4):115–7, Oct–Dec 75

Persistent gastrointestinal bleeding due to angiodysplasia of the gut in von Willebrand's disease. Ramsay DM, et al. **Lancet** 2(7980):275–8, 7 Aug 76

Von Willebrand's disease—a potential bleeding problem in plastic surgery. Ship AG. **Plast Reconstr Surg** 58(3):359–63, Sep 76

Acquired von Willebrand's syndrome and thrombopathy in a patient with chronic lymphocytic leukaemia. Wautie. JL, et al. **Scand J Haematol** 16(2):128–34, Feb 76

Proceedings: Resistance to the development of spontaneous atherosclerosis in pigs with von Willebrand's disease. Bowie EJ, et al. **Thromb Diath Haemorrh** 34(2):599, 15 Nov 75

[Ankylosing hemorrhagic arthropathy in a patient with Von Willebrand's disease (angiohemophilia A)] D'Amelio G, et al. **Minerva Med** 67(11):682–8, 3 Mar 76 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Diagnosis of von Willebrand's disease. A comparative study of diagnostic tests on nine families with von Willebrand's disease and its differential diagnosis from hemophilia and thrombocytopathy. Lian EC, et al. **Am J Med** 60(3):344–56, Mar 76

On von Willebrand's disease (vWd). Firkin BG, et al. **Br J Haematol** 32(2):151–8, Feb 76

Von Willcbrand disease San Diego, a new variant. Cramer AD, et al. **Lancet** 2(7975):12–4, 3 Jul 76

The spectrum of von Willebrand's disease revisited. Bowie EJ, et al. **Mayo Clin Proc** 51(1):35–41, Jan 76 (46 ref.)

Ristocetin in the diagnosis of von willebrand's disease: a comparison of rate and percent of aggregation with levels of the plasma factor(s) necessary for ristocetin aggregation. Dowling SV, et al. **Thromb Diath Haemorrh** 34(2):465–74, 15 Nov 75

[Diagnosis of von Willebrand's disease] pp. 39–42. de Gaetano G.
In: Masure R, et al., ed. Fractions sanguines humaines hemostatiques et fibrinolytiques. Paris, Masson, 1974. W3 CO9995 1972f. (27 ref.) **(Fre)**

[Platelet function test and diagnosis of van Willebrand syndrome—methodic studies on the retention test] Linker H, et al. **Med Welt** 26(38):1706–7, 19 Sep 75 **(Ger)**

[Gastric hemorrhage—sign of hemophilia?] Blombäck M, et al. **Lakartidningen** 72(35):3223–4, 27 Aug 75 **(Swe)**

ETIOLOGY

Letter: Endothelial cells and factor VIII-related protein. Bloom AL, et al. **Lancet** 1(7949):46, 3 Jan 76

Von Willebrand disease as an endothelial-cell abnormality. Caen JP, et al. **Lancet** 2(7945):1129, 6 Dec 75

Letter: Pathogenesis of von Willebrand's disease. Mannucci PM, et al. **Lancet** 1(7951):150–1, 17 Jan 76

FAMILIAL & GENETIC

Platelet release abnormality associated with a variant of von Willebrand's disease. Dowling SV, et al. **Blood** 47(2):265–74, Feb 76

Molecular defects in haemophilia A and von Willebrand's disease. Gralnick HR, et al. **Lancet** 1(7964):837–8, 17 Apr 76

[Demonstration of recessive transmission in Willebrands disease". Detection of heterozygotes] Sultan Y, et al. **C R Acad Sci [D] (Paris)** 279(13):1139–42, 23 Sep 74 **(Fre)**

[Von Willebrand's disease. Studies on platelet function, ristocetin induced platelet aggregation and factor VIII related antigen (author's transl)] Mimaya J, et al. **Jpn J Clin Hematol** 16(8):775–84, Aug 75 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Antibody-induced von Willebrand's disease: a newly defined inhibitor syndrome. Handin RI, et al. **Blood** 48(3):393–405, Sep 76

Immunoradiometric assay of factor VIII related antigen, with observations in 32 patients with von Willebrand's disease. Ruggeri ZM, et al. **Br J Haematol** 33(2):221–32, Jun 76

Determination of the von Willebrand's disease antigen (factor VIII-related antigen) in plasma by quantitative immunoelectrophoresis. Zimmerman TS, et al. **J Lab Clin Med** 86(1):152–9, Jul 75

Letter: Abnormal factor-viii-related antigen, von Willebrand disease, and pregnancy. Samama M, et al. **Lancet** 1(7951):151, 17 Jan 76

Precipitating antibodies in von Willebrand's disease. Mannucci PM, et al. **Nature** 262(5564):141–2, 8 Jul 76

Antibody nature of circulating inhibitor of plasma von Willebrand factor. Stratton RD, et al. **Proc Natl Acad Sci USA** 72(10):4167–71, Oct 75

Proceedings: Factor VIII related antigen in normal blood platelets and in platelets of patients with von Willebrand's disease. Bouma BN, et al. **Thromb Diath Haemorrh** 34(2):606–7, 15 Nov 75

Immunologic studies in von Willebrand's disease: alteration of factor VIII/von Willebrand protein after transfusion with plasma concentrates in patients with von Willebrand's disease. Sultan Y, et al. **Thromb Haemostas** 35(1):110–9, 29 Feb 76

Factor VIII-related antigen in canine hemophilia and Von Willebrand's disease: Variation when measured with different agaroses. Benson RE, et al. **Thromb Res** 7(3):383–9, Sep 75

Factor VIII (Willebrand) antigen and ristocetin-Willebrand factor in pigs with von Willebrand's disease. Fass DN, et al. **Thromb Res** 8(3):319–27, Mar 76

[Factor VIII-like antigen in haemophilia A and in Willebrand's disease (author's transl)] Blatný J, et al. **Cas Lek Cesk** 114(38):1174–6, 19 Sep 75 (Eng. Abstr.) **(Cze)**

[Symposium on the blood coagulation and fibrinolysin. (6) Immunological studies on hemophilia A, carriers of hemophilia A and von Willebrand's disease (author's transl)] Kamiya T, et al. **J Jpn Soc Intern Med** 64(10):1121–6, 10 Oct 75 **(Jpn)**

METABOLISM

Factor VIII synthesis: hepatic and renal allografts in swine with von Willebrand's disease. Webster WP, et al. **Am J Physiol** 230(5):1342–8, May 76

PATHOLOGY

Absence of ristocetin aggregation factor from the skin of a patient with von Willebrand's disease. Potter EV, et al. **Lancet** 1(7958):514–5, 6 Mar 76

PHYSIOPATHOLOGY

[Willebrand's disease and platelet adhesiveness in the presence of ristocetine] Alexander P, et al. **Blut** 31(2):87–94, Aug 75 **(Fre)**

THERAPY

Failure of AHF concentration to control bleeding in von Willebrand's disease. Green D, et al. **Am J Med** 60(3):357–60, Mar 76

[Hemophilia. New information and approach to treatment] Izak G. **Harefuah** 89(5):215–7, 1 Sep 75 **(Heb)**

[Effect of plasma and/or factor VIII concentrates administration on platelet functions in patients with haemophilia A and von Willebrand's disease (author's transl)] Gamba G, et al. **Haematologica (Pavia)** 60(2):168–83, Jun 75 (Eng. Abstr.) **(Ita)**

VOYEURISM see under **SEX DEVIATION**

VP 16-213 see under **PODOPHYLLOTOXIN**

VULVA

ABNORMALITIES

[Treatment of genital malformations in women] Foix A. **Rev Chil Obstet Ginecol** 40(1):32–7, 1975 **(Spa)**

MICROBIOLOGY

The aerobic flora of the perivaginal area. its relation to contraception and deodorant sprays. Noble WC. **J Appl Bacteriol** 41(1):137–42, Aug 76

PATHOLOGY

Epithelioid sarcoma of the vulva. Gallup DG, et al. **Obstet Gynecol** 48(1 Suppl):14S–17S, Jul 76

SURGERY

Different methods of reconstruction after vulvectomies for cancer of the vulva. Körlof B, et al. **Acta Obstet Gynecol Scand** 54(5):411–5, 1975

Hypertrophy of the labia minora. Radman HM. **Obstet Gynecol** 48(1 Suppl):78S–79S, Jul 76

VULVAR DISEASES

Letter: International Society for the Study of Vulvar Disease. Friedrich EG Jr. **Int J Dermatol** 14(10):774, Dec 75

Vulvar disease. Freidrich EG Jr. **Major Probl Obstet Gynecol** 9:1–217, 1976

Cutaneous amebiasis. Alvarez Chacon R. **Mod Probl Paediatr** 17:259–61, 1975

Crohn's disease of the vulva. Kao MS, et al. **Obstet Gynecol** 46(3):329–33, Sep 75

The pelvic congestion syndrome. Hobbs JT. **Practitioner** 216(1295):529–40, May 76 (69 ref.)

[Vulvar tuberculosis] Peña G, et al. **Rev Chil Obstet Ginecol** 38(2):67–75, 1973 **(Spa)**

CLASSIFICATION

New nomenclature for vulvar disease. **Obstet Gynecol** 47(1):122–4, Jan 76

DIAGNOSIS

New nomenclature for vulvar disease. **Am J Obstet Gynecol** 124(3):325–6, 1 Feb 76

From the 'unusual case' file. Clark L. **Med Times** 104(4):127, Apr 76

Hand-Schüller-Christian disease of scalp and vulva. Thompson DM, et al. **Proc R Soc Med** 68(12):761–2, Dec 75

[Detection of phthiriasis by colposcopy] Dovy D. **J Gynecol Obstet Biol Reprod (Paris)** 5(4):543–4, Jun 76 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Contribution to the therapy of vulvuovaginal mycoses (author's transl)] Wenzel-Heiniger K. **Praxis** 65(10):287–8, 9 Mar 76 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Vulval epidermoid cysts in the Igbos of Nigeria. Onuigbo WI. **Arch Dermatol** 112(10):1405–6, Oct 76

A foreign body in the rectum presenting as a vulval abscess. A case report. Aletor GA. **Br J Obstet Gynaecol** 82(12):1005–6, Dec 75

[Urbach-Wiethe disease. Vulvovaginal involvment] Iglesias JD, et al. **Rev Chil Obstet Ginecol** 40(3):149–56, 1975 **(Spa)**

PATHOLOGY

[Pathology of connective tissue and nerve fibers in lichen sclerosus et atrophicans and in genital atrophies] Kowarz-Sokolowska H. **Hautarzt** 26(11):602–6, Nov 75 (Eng. Abstr.) **(Ger)**

[Dystrophies and carcinomas of the vulva] Piazza M, et al. **Arch De Vecchi Anat Patol** 60(2):369–91, Dec 74 **(Ita)**

[Vulva leukoplakia. Incongruency of concept and nomenclature and its identification with various dermatologic lesions, mainly scleroatrophic lichen] Michalany J. **Rev Assoc Med Bras** 21(6):174–80, Jun 75 (Eng. Abstr.) **(Por)**

[Genital amebiasis and cancer] Hernández-Pérez E. **Med Cutan Iber Lat Am** 3(1):47–54, 1975 (Eng. Abstr.) **(Spa)**

[Histological bases for a classification of chronic dystrophies of the vulva] Dabancens A, et al. **Rev Chil Obstet Ginecol** 37(6):297–303, 1972 **(Spa)**

RADIOGRAPHY

Vulval phlebography in the pelvic congestion syndrome. Craig O, et al. **Clin Radiol** 26(4):517–25, Oct 75

SURGERY

Hypertrophy of the labia minora. Radman HM. **Obstet Gynecol** 48(1 Suppl):78S–79S, Jul 76

[Modification of the surgical technic for the removal of chronic noncystic bartholinitis] Lemus M, et al. **Rev Chil Obstet Ginecol** 38(6):269–71, 1973 **(Spa)**

THERAPY

[Cryocauterization: one of the methods in the treatment of condylomata acuminata vulvae] Dodić V, et al. **Med Pregl** 28(3–4):177–80, 1975 (Eng. Abstr.) **(Ser)**

VETERINARY

Diseases of the vulva, vagina and cervix of the thoroughbred mare. Thornbury RS. **NZ Vet J** 23(11):277–80, Nov 75

VULVAR NEOPLASMS

Some clinical features of vulvovaginal melanomas with case reports. Pantoja E, et al. **Bol Asoc Med PR** 68(1):13–6, Jan 76

Carcinoma of the vulva: a review of 361 patients. Hunter DJ. **Gynecol Oncol** 3(2):117–23, Jun 75

Microinvasive squamous ceil carcinoma of the vulva. Jafari K, et al. **Gynecol Oncol** 4(2):158–66, Jun 76

Carcinoma of the vulva. Tomkinson JS. **Nurs Times** 72(22):854–5, Jun 76

Paget's disease of the vulva. Recurrence in skin grafts. Beecham CT. **Obstet Gynecol** 47(1):55S–58S, Jan 76

Invasive vulvar Paget's disease. Parmley TH, et al. **Obstet Gynecol** 46(3):341–6, Sep 75

[Note on a case of Paget's disease of the vulva] Bourlond A. **Arch Belg Dermatol** 30(1):53–5, Jan-Mar 74 (Eng. Abstr.) **(Fre)**

[Apropos of intra-epithelial cancers of the vulva] Pilleron JP, et al. **Chirurgie** 100(11):818, 13–20 Nov 74 **(Fre)**

[Carcinoma of the apocrine glands (apropos of 2 original cases: cystadenoma papilliferous in malignant evolution and a carcinoma of the apocrine glands)] Bondi R, et al. **Arch De Vecchi Anat Patol** 59(3):429–46, Apr 74 **(Ita)**

[A case of exceptional survival in sarcoma of the vulva] Bo AV, et al. **Minerva Ginecol** 28(2):145–9, Feb 76 (Eng. Abstr.) **(Ita)**

[Hidroadenoma of the vulva] Lemus M, et al. **Rev Chil Obstet Ginecol** 39(4):160–3, 1974 **(Spa)**

BLOOD

Carcinoembryoinc antigen in cervical and vulvar cancer patients. Serum levels and disease progress. DiSaia PJ, et al. **Obstet Gynecol** 47(1):95–9, Jan 76

COMPLICATIONS

Pathologic fracture of the ulna secondary to metastatic vulvar carcinoma: report of a case. Seltzer VL, et al. **Gynecol Oncol** 4(2):232–7, Jun 76

DIAGNOSIS

Amebiasis of clitoris mimicking carcinoma. Majmudar B, et al. **JAMA** 236(10):1145–6, 6 Sep 76

Invasive carcinoma of the vulva: current views on diagnosis and treatment. Cavanagh D, et al. **Mo Med** 73(3):129–35, Mar 76

[The hidradenoma of the vulva] Brandt M. **Zentralbl Gynaekol** 97(17):1044–6, 1975 (Eng. Abstr.) **(Ger)**

[Reticulosarcoma localized in the genital organs of a young woman] Hanuszek K, et al. **Ginekol Pol** 47(4):429–32, Apr 76 (Eng. Abstr.) **(Pol)**

[Methods of diagnosis of vulvar cancer] Krivets NA, et al. **Vopr Onkol** 21(8):90–3, 1975 **(Rus)**

[Florescence microscopy in the diagnosis and prognosis of premalignant lesions of the vulva] Arenas O, et al. **Rev Chil Obstet Ginecol** 37(6):276–86, 1972 **(Spa)**

[Standards in the diagnosis and treatment of vulvar cancer] de la Osa LL, et al. **Rev Chil Obstet Ginecol** 39(4):147–55, 1974 **(Spa)**

DRUG THERAPY

Topical 5-fluorouracil in the treatment of carcinoma in situ of the vulva. Carson TE, et al. **Obstet Gynecol** 47(1):59S–62S, Jan 76 (10 ref.)

ETIOLOGY

Viruses and cancer of the lower genital tract. Josey WE, et al. **Cancer** 38(1 SUPPL):526–33, Jul 76 (74 ref.)

OCCURRENCE

[Benign tumors of the vulva and vagina at the gynecologic and obstetrical clinic in Novi Sad (1945–1970)] Bujas M, et al. **Med Pregl** 29(1–2):71–2, 1976 (Eng. Abstr.) **(Ser)**

PATHOLOGY

Cutaneous basal cell carcinoma of vulva. Cruz-Jimenez PR, et al. **Cancer** 36(5):1860–8, Nov 75

Cytoplasmic tubular arrays in cells of American Burkitt's type lymphoma. Popoff NA, et al. **Cancer** 37(1):275–84, Jan 76

Paget's disease of the vulva. Creasman WT, et al. **Gynecol Oncol** 3(2):133–48, Jun 75

Epithelioid sarcoma of the vulva. Gallup DG, et al. **Obstet Gynecol** 48(1 Suppl):14S–17S, Jul 76

[Dystrophies and carcinomas of the vulva] Piazza M, et al. **Arch De Vecchi Anat Patol** 60(2):369–91, Dec 74 **(Ita)**

[Genital amebiasis and cancer] Hernández-Pérez E. **Med Cutan Iber Lat Am** 3(1):47–54, 1975 (Eng. Abstr.) **(Spa)**

[Premalignant lesions of the vulva] Briones H, et al.

Rev Chil Obstet Ginecol 38(5):206–13, 1973 **(Spa)**
[Initial stages of vulvar carcinoma] Briones H, et al.
Rev Chil Obstet Ginecol 37(6):264–75, 1972 **(Spa)**
[Histological bases for a classification of chronic dystrophies of the vulva] Dabancens A, et al.
Rev Chil Obstet Ginecol 37(6):297–303, 1972 **(Spa)**

RADIOGRAPHY

Xerographic evaluation of radical vulvectomy specimens. Milbrath JR, et al.
Am J Roentgenol Radium Ther Nucl Med 125(2):486–8, Oct 75

RADIOTHERAPY

Carcinoma of the vulva. Kuipers T. **Radiol Clin (Basel)** 44(5):475–83, 1975

SURGERY

Different methods of reconstruction after vulvectomies for cancer of the vulva. Körlof B, et al.
Acta Obstet Gynecol Scand 54(5):411–5, 1975
Microinvasive squamous-cell carcinoma of the vulva. Jafari K, et al. **Am J Obstet Gynecol** 125(2):274, 15 May 76
Infiltrative carcinoma of the vulva: results of surgical treatment. Morley GW. **Am J Obstet Gynecol** 124(8):874–88, 15 Apr 76
Operative management of early invasive epidermoid carcinoma of the vulva. Parker RT, et al.
Am J Obstet Gynecol 123(4):349–55, 15 Oct 75
Bartholin's gland carcinomas: five cases. Trelford JD, et al. **Gynecol Oncol** 4(2):212–21, Jun 76
Therapy of advanced epidermoid carcinoma of vulva. Report of 13 patients, with review of recent literature. Krupp PJ, et al. **Obstet Gynecol** 46(4):433–8, Oct 75
Cryosurgery of advanced vulvar carcinoma. Wallach RC. **Obstet Gynecol** 47(4):454–58, Apr 76
Separate inguinal incisions in the treatment of carcinoma of the vulva. Ballon SC, et al. **Surg Gynecol Obstet** 140(1):81–4, Jan 75
[Surgical treatment of cancer of the vulva. Our experience apropos of 21 cases] Dinh-van-Tung, et al.
J Gynecol Obstet Biol Reprod (Paris) 5(1):113–22, Jan–Feb 76 (Eng. Abstr.) **(Fre)**
[Adenoid squamous cell carcinoma of the vulva (author's transl)] Pickel H, et al. **Geburtshilfe Frauenheilkd** 35(6):481–2, Jun 75 (Eng. Abstr.) **(Ger)**
[Prognosis of melanoma of the vulva (author's transl)] Bozzetti F, et al. **Tumori** 61(4):393–9, Jul–Aug 75 (Eng. Abstr.) **(Ita)**
[Malignant nelanoma of female genitals] Pertymski J.
Pol Tyg Lek 30(38):1575–7, 22 Sep 75 **(Pol)**
[Use of cryosurgery in cancer of the external genitalia] Vinnitskaia VK, et al. **Pediatr Akush Ginekol** :60–1, May–Jun 76 **(Ukr)**

THERAPY

Current status of the treatment of epidermoid cancer of the vulva. Krupp P, et al. **Cancer** 38(1 SUPPL):587–95, Jul 76
Management of advanced carcinoma of the vulva. Kaplan AL, et al. **Gynecol Oncol** 3(3):220–32, Sep 75
Carcinoma of the vulva. Wright VC. **J Am Geriatr Soc** 24(5):232–5, May 76
[Therapy of vulvar carcinoma] Maričić Z, et al.
Strahlentherapie 151(6):495–503, Jun 76 (Eng. Abstr.) **(Ger)**

VETERINARY

Squamous-cell carcinoma of the vulva in Merino sheep. Vandegraaff R. **Aust Vet J** 52(1):21–3, Jan 76

VULVITIS

[Ways of transmission of genital herpes and its treatment] Kozlova VI, et al. **Akush Ginekol (Mosk)** (5):38–9, May 75 **(Rus)**

OCCURRENCE

[Inflammatory diseases of the Bartholin's gland at the Gynecologico-Obstetrical Clinic in Sarajevo in the period of 12 years] Dokić S, et al. **Med Arh** 30(1):23–5, Jan–Feb 76 (Eng. Abstr.) **(Ser)**

VULVOVAGINITIS

COMPLICATIONS

[Coexistence of urinary tract infections and genital infections in girls] Wszelaki-Lass E, et al. **Pediatr Pol** 51(3):281–4, Mar 76 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Vulvovaginitis and vaginal discharge in general practice. Shannon W. **J R Coll Gen Pract** 25(161):932–4, Dec 75

DRUG THERAPY

[Treatment of vulvo-vaginal candidiasis with econazole (author's transl)] Obolensky W, et al.
Dtsch Med Wochenschr 100(35):1730–3, 29 Aug 75 (Eng. Abstr.) **(Ger)**
[Local treatment of mycotic vulvovaginitis by econazol (author's transl)] Peios E. **Praxis** 64(39):1261–2, 30 Sep 75 (Eng. Abstr.) **(Ger)**
[Infantile vulvovaginitis. Specific treatment associated with estriol (Ovestin)] Manriquez C, et al.
Rev Chil Obstet Ginecol 39(5):186–9, 1974 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Some characteristics of vulvovaginitis in infancy and adolescence] Sueva G. **Akush Ginekol (Sofiia)** 14(6):507–10, 1975 (Eng. Abstr.) **(Bul)**

OCCURRENCE

[Epidemiology, diagnositc procedures and management of vulvovaginitis in girls and adolescents] Larios Mendoza H, et al. **Ginecol Obstet Mex** 39(234):247–56, Apr 76 (Eng. Abstr.) **(Spa)**

THERAPY

[Problems of pathogenesis and therapy of nonspecific vulvovaginitis] Bodiazhina VI. **Akush Ginekol (Mosk)** (12):59–63, Dec 75 (Eng. Abstr.) **(Rus)**

VETERINARY

Studies on the effects of infectious bovine rhinotracheitis virus on reproduction in heifers. Allan PJ, et al.
Aust Vet J 51(8):370–3, Aug 75
The effect of natural and artificial breeding using bulls infected with, or semen contaminated with, infectious bovine rhinotracheitis virus. Parsonson IM, et al.
Aust Vet J 51(8):365–9, Aug 75
Letter: balanitis and vulvo-vaginitis in sheep. Webb RF, et al. **Aust Vet J** 52(5):241–2, May 76

VVEDENSKII'S INHIBITION see under **NEURAL CONDUCTION**

VZ VIRUS see **VARICELLA-ZOSTER VIRUS**

WAARDENBURG'S SYNDROME see under **ABNORMALITIES, MULTIPLE**

WAGNER-MEISSNER CORPUSCLES see under **RECEPTORS, NEURAL**

WAITING LISTS see under **APPOINTMENTS AND SCHEDULES**

WAKEFULNESS

Formal aspects of vigilance during petit mal paroxysm. Faber J. **Acta Univ Carol [Med Monogr] (Praha)** (64):1–78, 1975
The elusive nature of completing an uncompleted posthypnotic suggestion. Coe WC. **Am J Clin Hypn** 18(4):263–71, Apr 76
Experimentally produced self-repugnant behavior as a function of hypnosis and waking suggestion: a pilot study. O'Brien RM, et al. **Am J Clin Hypn** 18(4):272–6, Apr 76
Sopite syndrome: a sometimes sole manifestation of motion sickness. Graybiel A, et al. **Aviat Space Environ Med** 47(8):873–82, Aug 76
Effect of a memory retrieval task on recall of verbal material obtained after awakening from sleep. Cipolli C, et al.
Biol Psychol 3(4):321–6, Dec 75
Individual consistency in behavioral states in neonates. Thoman EB, et al. **Dev Psychobiol** 9(3):271–83, May 76
Sleep-waking cycle in rabbits after cerebral ischemia. Sainio K, et al. **Electroencephalogr Clin Neurophysiol** 39(6):663–6, Dec 75
Circadian phase-shifting with and without geographic displacement. pp. 557–74. Levine H, et al.
In: Ferin M et al., ed. Biorhythms and human reproduction. New York, Wiley, 1974. QT 167 B616 1972.
The relationship of luteinizing hormone secretion to sleep in women during the early follicular phase: effects of sleep reversal and a prolonged three-hour sleep-wake schedule. Kapen S, et al. **J Clin Endocrinol Metab** 42(6):1031–40, Jun 76
Effect of normal and reversed sleep-wake cycles upon nyctohemeral rhythmicity of plasma thyrotropin: evidence suggestive of an inhibitory influence in sleep. Parker DC, et al. **J Clin Endocrinol Metab** 43(2):318–29, Aug 76
Fugue states in sleep and wakefulness: a psychophysiological study. Rice E, et al. **J Nerv Ment Dis** 163(2):79–87, Aug 76
Effects of suggestion of relaxation or analgesia on pain threshold and pain tolerance in the waking and in the hypnotic state. Stacher G, et al. **J Psychosom Res** 19(4):259–65, 1975
Cerebrovascular carbon dioxide reactivity and conductance in patients awake and under general anesthesia. Iliff LD, et al. **Neurology (Minneap)** 26(9):835–8, Sep 76
Body perception upon awakening. Fisher S.
Percept Mot Skills 43(1):275–8, Aug 76
The hypnagogic state: a critical review of the literature. Schacter DL. **Psychol Bull** 83(3):452–81, May 76 (135 ref.)
The use of time lapse video recording of sleep-wake behavior in human infants. Anders TF, et al. **Psychophysiology** 13(2):155–8, Mar 76
Sleep efficiency for sleep-wake cycles of varied length. Webb WB, et al. **Psychophysiology** 12(6):637–41, Nov 75
Diuranal rhythms in 2- and 8-week-old infants: sleep-waking state organization as a function of age and stress. Sostek AM, et al. **Psychosom Med** 38(4):250–6, Jul–Aug 76
Gamma-hydroxybutyrate in CSF during sleep and wakefulness. Tabakoff B, et al.
Res Commun Chem Pathol Pharmacol 14(3):587–90, Jul 76
[Vigilance and petit mal paroxysms from the viewpoint of analytical electroencephalography] Vymazal J, et al.
Cesk Fysiol 25(1):63–6, 1976 **(Cze)**
[Analysis of electroencephalogram during vigilance and petit mal by mears of periodogram] Faber J, et al.
Cesk Neurol Neurochir 38(6):351–6, Dec 75 (Eng. Abstr.) **(Cze)**
[Intraventricular pressure in normal pressure hydrocephalus during wakefulness and sleep] Maira G, et al.
Neurochirurgie 20(5):452–7, Sep–Oct 74 **(Fre)**
[Variance and discriminatory analyses for the classification of wakefulness-dependent EEG patterns] Otto E, et al.
Acta Biol Med Ger 34(9):1471–83, 1975 **(Ger)**
[Affective evaluation of meaningful acoustic stimulation in the waking state and its effect on sleep behavior. Stage I: Affective evaluation of acoustical terms in the waking state] Zayer H, et al. **Arch Psychol (Frankf)** 127(1–2):131–55, 1975 (Eng. Abstr.) **(Ger)**
[Waking-sleeping behavior of newborn and premature infants on calculated birth date. Comparative polygraphic studies] Nolte R, et al. **Monatsschr Kinderheilkd** 124(5):434–6, May 76 **(Ger)**
[Proceedings: Significance of the degree of wakefulness for gastric juice secretion and function of the gastroesophageal sphincter] Stacher G. **Z Gastroenterol** 14(2):253–4, Mar 76 **(Ger)**
[Ultrastructure of the white pulp of hedgehog's spleen while awake, during hibernation and during various phases of arousal] Cirri Borghi MB. **Arch Ital Anat Embriol** 80(3–4):209–41, Jul–Dec 75 (Eng. Abstr.) **(Ita)**
[Behavior of vigilance levels during digestion] Licata F, et al. **Boll Soc Ital Biol Sper** 50(23–24):2131–3, 30 Dec 74 **(Ita)**
[Behavior of spontaneous discharges of neurons of the lateral posterior nucleus of the thalamus during sleep and wakefulness] Santangelo F, et al.
Boll Soc Ital Biol Sper 50(23–24):2146–9, 30 Dec 74 **(Ita)**
[Long-term stability of spontaneous discharges of single thalamic neurons during sleep and wakefulness] Santangelo F, et al. **Boll Soc Ital Biol Sper** 50(23–24):2134–6, 30 Dec 74 **(Ita)**
[The sleep-wakefulness biorhythm of somatotropin secretion in man under normal and pathological conditions] Giordano G, et al. **Folia Endocrinol (Roma)** 27(1):42–69, Feb 74 (104 ref.) **(Ita)**
[Proceedings: Appearance of motor response and its relationship to wakefulness levels in rabbit with motor dominant focus] Hori Y, et al. **J Physiol Soc Jpn** 36(8–9):281, 1 Sep 74 **(Jpn)**
[New data on the circadian biorhythm of wakefulness and sleep in vertebrates] Karmanova IG.
Dokl Akad Nauk SSSR 225(6):1457–60, 21 Dec 75 **(Rus)**
[Method of ventriculo-cisternal perfusion, in permanently implanted animals, for the study of the cerebrospinal fluid during sleep and wakefulness] Lozoya X, et al.
Arch Invest Med (Mex) 6(2):445–54, 1975 (Eng. Abstr.) **(Spa)**
[Electroencephalogram in children during wakefulness and during induced sleep] Olmos G, et al.
Bol Med Hosp Infant Mex 33(2):301–9, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Phillip Gett memorial lecture awareness in anaesthesia. Utting JE. **Anaesth Intensive Care** 3(4):334–40, Nov 5
Effects of dihydrogenated ergot alkaloids on the sleep-wakefulness cycle and on brain biogenic amines in the rat. Loew DM, et al. **Arzneim Forsch** 26(6):1080–3, 1976
Is 6-hydroxy-dopamine (6-OHDA) a specific tool for the study of functional roles of catecholaminergic (CA) neurons in the sleep-waking cycle? pp. 259–66. Pujol JF, et al.
In: Jonsson G, et al., ed. Chemical tools in catecholamine research I. Amsterdam, North-Holland, 1975. QV 129 C517 1975 v.1.
Spontaneous behavior and sleep-wakefulness cycle in isolated and paired REM sleep deprived-marihuana treated rats. Monti JM, et al. **Pharmacol Biochem Behav** 3(6):1025–9, Nov–Dec 75
Effect of diazepam on the electroencephalographic pattern and vigilance of unanaesthetized and curarized rats with a chronic cobalt-gelatin focus. Chcoholová L.
Physiol Bohemoslov 25(2):129–37, 1976
[Effect of psychotropic drugs on physiological variations and psychometric scores during attention] Bathien N, et al.
Encephale 2(1):55–60, 1976 (Eng. Abstr.) **(Fre)**
[Abnormalities in the waking state under the effects of some psychodysleptics] pp. 277–88. Rougeul A.
In: Radouco-Thomas S, ed. Pharmacologie, toxicologie, et abus des psychotomimétiques (hallucinogenes). Quebec, Les Presses de l'Université Laval, 1974. QV 109 L392p 1973. **(Fre)**
[Action of alpha-methyl-dopa on waking-sleep cycles in two inbred strains of mice, C57BR and C57BL/6 (author's transl)] Kitahama K, et al. **Psychopharmacologia** 45(2):189–96, 31 Dec 75 (Eng. Abstr.) **(Fre)**

[The effect of arecoline on the structure of sleep and wakefulness in hens] Voronov IB, et al. **Zh Evol Biokhim Fiziol** 11(3):289–97, May–Jun 75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cortical rhythmical EEG activities in waking rats. Irmiš F. **Act Nerv Super (Praha)** 17(1):28–9, Mar 75

Fluctuations in the vagal and sympathetic tone connected with the circadian cycle and the wakefulness–sleep cycle. Varbanova A, et al. **Agressologie** 16(1):27–33, 1975 (Eng. Abstr.)

Classical conditioning of autonomic responses in alert and drowsy subjects. McDonald DG, et al. **Biol Psychol** 3(2):101–12, Sep 75

Classical conditioning of autonomic responses in alert and drowsy subjects. McDonald DG, et al. **Biol Psychol** 3(2):101–12, Sep 75

Loss of circadian rhythm in sleep–wakefulness cycle in the rat by suprachiasmatic nucleus lesions. Ibuka N, et al. **Brain Res** 96(1):76–81, 10 Oct 75

Developement of circadian rhythms in infancy. Mills JN. **Chronobiologia** 2(4):363–71, Oct–Dec 75 (25 ref.)

Electrocorticography of waves associated with eye movements in man during wakefulness. Calvet AF, et al. **Electroencephalogr Clin Neurophysiol** 40(5):457–69, May 76

Relationship of the magnetoencephalogram to the electroencephalogram. Normal wake and sleep activity. Hughes JR, et al. **Electroencephalogr Clin Neurophysiol** 40(3):261–78, Mar 76

Proceedings: Sleep and neuronal activity. Torii S, et al. **Electroencephalogr Clin Neurophysiol** 39(5):542, Nov 75

Neuropsychological correlates of the electroencephalogram in epileptics: II. The waking posterior rhythm and its interaction with epileptiform activity. Dodrill CB, et al. **Epilepsia** 17(1):101–9, Mar 76

Somatic reflex response–reversal of reticular origin. Chase MH, et al. **Exp Neurol** 50(3):561–7, Mar 76

Periodicities in the rate of on–demand electrical stimulation of the mesencephalic reticular formation to maintain wakefulness. Lucas EA, et al. **Exp Neurol** 51(2):444–56, May 76

PO2 recorded in the amygdaloid complex during the sleep–waking cycle of the cat. Velluti R, et al. **Exp Neurol** 50(3):798–805, Mar 76

A model of central neural processes controlling motor behavior during active sleep and wakefulness. pp. 99–121. Chase MH.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Reorganization of neuronal discharges in the cerebral cortex through changing states of consciousness. pp. 253–83. Desiraju T.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Study in awake monkeys of connections between the corpus striatum and pallidum with the substantia nigra and subthalamus. pp. 45–59. Ohye C, et al.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Cortical inhibition during sleep and waking. pp. 209–51. Steriade M.
In: Desiraju T, ed. Mechanisms in transmission of signals for conscious behaviour. Amsterdam, Elsevier, 1976. WL 102 M486 1974.

Temporal organization of neuroendocrine function in relation to the sleep–waking cycle in man. pp. 26–38. Weitzman ED.
In: Lederis K, Cooper KE, ed. Recent studies of hypothalamic function. Basel, Karger, 1974. WL 312 l65r 1973.

Rapid eye movements during sleep and wakefulness. pp. 491–4. Othmer E, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Effects of acute shifts in circadian rhythms of sleep and wakefulness on performance and mood. pp. 571–5. Taub JM, et al.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

The rhythms of sleep and waking. pp. 482–6. Webb WB.
In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.

Respiratory load compensation in awake and sleeping dogs. Phillipson EA, et al. **J Appl Physiol** 40(6):895–902, Jun 76

Proceedings: The spontaneous activity of cortical neurones in sleep and wakefulness. Burns BD, et al. **J Physiol (Lond)** 252(2):18P–19P, Nov 75

Reticulo–reticular relationship during sleep and waking. Satoh T, et al. **Physiol Behav** 15(3):333–7, Sep 75

Habituation during sleeping and waking. Johnson LC, et al. **Psychophysiology** 12(5):574–84, Sep 75

Ultradian rhythms in walking gastric activity. Hiatt JF, et al. **Psychosom Med** 37(4):320–5, Jul–Aug 75

[Dynamics of sleep and the waking state after labyrinthine deafferentation] Doneshka P. **Eksp Med Morfol** 15(2):70–4, 1976 (Eng. Abstr.) **(Bul)**

[Influence of the instrumental and social environment on the structure of a sample of the waking–sleep cycle in the male Wistar rat: correlations with the changes in reticulocortical system excitability] Lambert JF, et al. **Agressologie** 17(1):19–25, 1976 (Eng. Abstr.) **(Fre)**

[Evolution of visual evoked responses during various states of vigilance in Papio papio (author's transl)] Vuillon–Cacciuttolo G, et al. **Brain Res** 100(3):509–21, 26 Dec 75 (Eng. Abstr.) **(Fre)**

[Changes in reactivity of rat visual system during wake–sleep cycle] Rallo JL. **C R Soc Biol (Paris)** 169(1):178–84, 1975 (Eng. Abstr.) **(Fre)**

[Topography of auditory evoked potentials in the alert child] De Crévoisier A, et al. **Rev Electroencephalogr Neurophysiol Clin** 5(3):303–6, Jul–Sep 75 **(Fre)**

[EEG polygraphic study of wakefulness and sleep in a syndrome of myoclonus of action and intention] Kurtz D, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(3):255–67, Jul–Sep 73 (Eng. Abstr.) **(Fre)**

[A qualitative EEG test of diurnal wakefulness] Meurice E. **Rev Electroencephalogr Neurophysiol Clin** 3(2):251–4, Apr–Jun 73 **(Fre)**

[Electroencephalographic study of wakefulness and sleep under prolonged hyperbarism in helium–oxygen atmosphere. Operation Janus II] Rostain JC, et al. **Rev Electroencephalogr Neurophysiol Clin** 1(2):239–41, Apr–Jun 71 **(Fre)**

[Transitional phases of wakefulness–sleep and slow wave sleep–REM sleep in human psychophysiology] Salzarulo P. **Rev Electroencephalogr Neurophysiol Clin** 3(1):69–86, Jan–Mar 73 (64 ref.) (Eng. Abstr.) **(Fre)**

[Contacts between wakefulness and REM sleep. II: Fragmented REM sleep] Schwartz BA, et al. **Rev Electroencephalogr Neurophysiol Clin** 3(1):165–76, Jan–Mar 73 (Eng. Abstr.) **(Fre)**

[EEG aspects of waking–sleep behaviour and the chronophysiology of endogenous depressions] Bente D. **Arzneim Forsch** 26(6):1058–61, 1976 (Eng. Abstr.) **(Ger)**

[Neuronal activity of the cat visual cortex during the sleep—wakefulness cycle] Mukhametov LM, et al. **Neirofiziologiia** 8(4):343–50, 1976 (Eng. Abstr.) **(Rus)**

WALDENSTROM'S HYPERGLOBULINEMIC PURPURA see **PURPURA, HYPERGLOBULINEMIC**

WALDENSTROM'S MACROGLOBULINEMIA see **MACROGLOBULINEMIA**

WALKERS see under **ORTHOPEDIC EQUIPMENT**

WALLENBERG'S SYNDROME see under **CEREBRAL EMBOLISM AND THROMBOSIS**

WALLERIAN DEGENERATION see under **NERVE DEGENERATION**

WALRUS see under **PINNIPEDIA**

WAR

Psychological responses to war stress. Murphy JM. **Acta Psychiatr Scand [Suppl]** (263):16–21, 1975

Psychiatric effects of prolonged Asian captivity: a two–year follow–up. Hall RC, et al. **Am J Psychiatry** 133(7):786–90, Jul 76

A report on missile injuries in Cyprus 1974. Malpass CP, et al. **Br J Surg** 63(6):482–7, Jun 76

The Dear John syndrome during the Vietnam war. Tanay E. **Dis Nerv Syst** 37(3):165–7, Mar 76

Anophthalmia in South Vietnam. pp. 195–206. Hornblass A.
In: Guibor P, Guibor M, ed. Techniques of anophthalmic cosmesis. New York, Stratton, 1976. WW 205 A512t 1976.

Proceedings: Detailed examination of the skeleton as a means of identification of war casualties. Meir Y. **Isr J Med Sci** 12(1):83, Jan 76

Emotional adjustment of psychiatric patients following their unexpected discharge due to war: short– and long–term effects. Merbaum M, et al. **J Abnorm Psychol** 84(6):709–14, Dec 75

Cognitive deficits in patients with unilateral war–related frontal lobe lesions. Black FW. **J Clin Psychol** 32(2):366–72, Apr 76

The MMPI profile of prisoners of war. Klonoff H, et al. **J Clin Psychol** 32(3):623–7, Jul 76

Some personality characteristics of soldiers exposed to extreme war stress. Merbaum M, et al. **J Consult Clin Psychol** 44(1):1–6, Feb 76

Depressive disorders in Vietnam returnees. Helzer JE, et al. **J Nerv Ment Dis** 163(3):177–85, Sep 76

Israel's community workers in the aftermath of war. Lappin B. **Ment Health Soc** 1(3–4):213–27, 1974

Heroines of '98: female Army nurses in the Spanish–American war. Kalisch PA. **Nurs Res** 24(6):411–29, Nov–Dec 75

Cyprus nurses in action. Avraam C. **Nurs Times** 72(17):suppl:35, 29 Apr 76

Roots of Social Violence. The cannon fodder of a People's War. Calvert BM. **Proc R Soc Med** 68(3):181–5, Mar 75

Stress experiences and combat fatigue during the Yom Kippur war (1973). Sohlberg SC. **Psychol Rep** 38(2):523–9, Apr 76

'Shalom' means peace. Cowan C. **Suicide** 5(3):177–82, Fall 75

[Psychology of war (civilization as Thanatos or civilization as Eros)] Comparato S. **Minerva Med** 66(59):2962–70, 12 Sep 75 (Eng. Abstr.) **(Ita)**

[Influence of war on demographic processes and the health of the people] Georgievskii AS, et al. **Vestn Akad Med Nauk SSSR** (5):65–71, 1975 **(Rus)**

[Characteristics of the clinical manifestations and course of various diseases in wartime conditions (literature review)] Kuz'menko AI. **Voen Med Zh** (6):19–23, Jun 75 (32 ref.) **(Rus)**

[Surgical service on hospital ships (review of non–Soviet literature)] Lushchitskin MA, et al. **Voen Med Zh** (2):75–9, Feb 76 **(Rus)**

[Organization of medical equipment supply to the partisan unit during the Great Patriotic War] Ermakov MA. **Vrach Delo** (4):137–40, Apr 75 **(Rus)**

[General and special identification under extraordinary conditions (in mass disasters and war)] Jokanovic D, et al. **Acta Chir Iugosl** 23(1 Suppl):355–63, 1976 **(Ser)**

[Principles of organization health–service in national defense] Andelski A. **Nar Zdrav** 31(3–4):63–7, Mar–Apr 75 **(Ser)**

[Hygienic standards under war conditions] Feliks R. **Nar Zdrav** 31(3–4):78–90, Mar–Apr 75 **(Ser)**

[Medical services within the system of worker's health care from the aspect of national defense] Kilibarda M, et al. **Nar Zdrav** 31(3–4):75–8, Mar–Apr 75 **(Ser)**

[Problems of medical work in a combat army] Petrovic D. **Nar Zdrav** 31(3–4):90–3, Mar–Apr 75 **(Ser)**

[Defense planning for the production and delivery of energy, industrial and community work under the conditions of a general defensive war] Siško M, et al. **Nar Zdrav** 31(3–4):58–63, Mar–Apr 75 **(Ser)**

[Military medicine within the planning of general national defense system] Skodrić S. **Nar Zdrav** 31(3–4):67–70, Mar–Apr 75 **(Ser)**

[Organization of the medical services within the system of general national defense in the community] Videnović R. **Nar Zdrav** 31(3–4):70–3, Mar–Apr 75 **(Ser)**

[Problems of population nutrition, specially of workers under war conditions] Vracarić B. **Nar Zdrav** 31(3–4):93–7, Mar–Apr 75 **(Ser)**

[Tasks of the dental and health services of the yna (yugoslavian national army) in exceptional situations and in war] Starčević M, et al. **Vojnosanit Pregl** 32(4):394–7, Jul–Aug 75 **(Ser)**

[Role of medical service in preparation of personnel for night combat] Veselinović Z. **Vojnosanit Pregl** 32(5):581–4, Sep–Oct 75 **(Ser)**

HISTORY

Nurses in American history. The lasting impact of World War II on nursing. Bullough B. **Am J Nurs** 76(1):118–20, Jan 76 (Eng. Abstr.)

The origins of medicinals. pp. 685–721. Hubbard WN Jr.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation, 1976. WZ 70 AA1 A2 1976.

The origins of medicinals. pp. 685–721. Hubbard WN Jr.
In: Bowers JZ, Purcell EF, ed. Advances in American medicine: essays at the bicentennial. Vol 2. New York, Josiah Macy, Jr. Foundation,1976. WZ 70 AA1 A2 1976.

General Washington and the patriot soldiers. They won a war with little food. A Bicentennial study. Manchester KE Col. **J Am Diet Assoc** 68(5):421–33, MAY 76

Veterinary–farriery services in the Continental Army—April 1775–May 1777. Miller EB. **J Am Vet Med Assoc** 169(1):106–14, 1 Jul 76

Historical issue. Medicine in the Florida camps during Spanish–American War. Great controversies. Wright SH. **J Fla Med Assoc** 62(8):19–26, Aug 75

Benjamin Rush on politics and human nature. Carlson ET, et al. **JAMA** 236(1):73–7, 5 Jul 76

The Canadian military campaign of 1775–1776: medical problems and effects of disease. Cash P. **JAMA** 236(1):52–6, 5 Jul 76

The Tea Controversy in Colonial America. Greden JF. **JAMA** 236(1):63–6, 5 Jul 76

The brothers Warren, American patriots. Hussey HH. **JAMA** 235(24):2635–6, 14 Jun 76

Jospeph Warren. Kyle RA, et al. **JAMA** 235(24):2658, 14 Jun 76

The Tilton affair. Saffron MH. **JAMA** 236(1):67–72, 5 Jul 76

Medicine in Charleston at the time of the Revolution. Waring JI. **JAMA** 236(1):31–4, 5 Jul 76

Countway happenings. James Thacher, M.D. (1754–1844). Bradford CH. **N Engl J Med** 293(15):762–3, 9 Oct 75

Untrained but undaunted: the women nurses of the blue and the gray. Kalisch PA, et al. **Nurs Forum** 15(1):4–33, 1976

[Health corps in the final phase of Peoples Liberation War] Tartalja H. **Lijec Vjesn** 97(5):284–8, May 75 **(Cro)**

[Medical problems of our health care during the 2nd world war especially in the period of frontal war in the years 1944–1945] Zimolo A. **Lijec Vjesn** 97(5):260–83, May 75 **(Cro)**

[Prostějov hospital during the 1866 Prusso–Austrian war. Diagnostics and medication (author's transl)] Fröml F. **Cas Lek Cesk** 115(25):758–63, 25 Jun 76 (Eng. Abstr.) **(Cze)**

[Hospital in the middle of war. A diary from the Pitkäniemi hospital during the revolution and cival, 28 January–7 May, 1918] Therman E. **Duodecim** 91(12):775–88, 1975 **(Fin)**

[Civilian hospitals in the near vicinity of the front line in the Poznań County in 1945] Kowalski I, et al. **Arch Hist Med (Warsz)** 39(2):170–83, 1976 **(Pol)**

[Col. Dr. Leon Strehl] Bayer S. **Przegl Lek** 33(1):237–8, 1976 **(Pol)**

[Warsaw midtown health services during the 1944 Warsaw Uprising] Bayer S. **Przegl Lek** 33(1):125–9, 1976 **(Pol)**

[Nutritional and health problems of the Nazi Eastern policy] Kielkowski R. **Przegl Lek** 33(1):149–70, 1976 **(Pol)**

[Dr. Stanisław Dziurski] Kłodziński S. **Przegl Lek** 33(1):222–4, 1976 **(Pol)**

[Dr. Tadeusz Tomasz Orzeszko] Kłodziński S. **Przegl Lek** 33(1):232–4, 1976 **(Pol)**

[Antitubercular health services in Lublin during the occupation] Mysakowska H. **Przegl Lek** 33(1):142–9, 1976 **(Pol)**

[Training of girl scouts for health service duties during World War II] Namitkiewicz Z. **Przegl Lek** 33(1):129–35, 1976 **(Pol)**

[Health services in the łańcut region during the occupation] Pliś M. **Przegl Lek** 33(1):136–42, 1976 **(Pol)**

[Dr. Alexander Witkowski] Siniecki B. **Przegl Lek** 33(1):220–2, 1976 **(Pol)**

[Warsaw hospitals during the Nazi occupation] Sroczyński K. **Przegl Lek** 33(1):109–19, 1976 **(Pol)**

[Health services in occupied Warsaw] Starczewski J. **Przegl Lek** 33(1):105–8, 1976 **(Pol)**

[Quartermaster stores at the Ujazdowski Hospital (1939–1942)] Wolf A. **Przegl Lek** 33(1):118–24, 1976 **(Pol)**

[Obstetricians-gynecologists during the siege of Leningrad] Alipov VI. **Akush Ginekol (Mosk)** (5):5–8, May 75 **(Rus)**

[Soviet morphologists in World War II (on the 30th anniversary of the victory of the Soviet people over fascist Germany)] **Arkh Anat Gistol Embriol** 68(5):5–10, May 75 **(Rus)**

[Principle trends of research of Soviet pathologoanatomists during the years of World War II] Kraevskiĭ NA, et al. **Arkh Patol** 37(5):3–12, 1975 (Eng. Abstr.) **(Rus)**

[30th anniversary of victory in World War II] **Farmakol Toksikol** 38(3):261–3, May–Jun 75 **(Rus)**

[Government Pharmacy Administration of the Russian Federation World War II] Barannikov NG. **Farmatsiia** 24(4):7–14, Jul–Aug 75 **(Rus)**

[Organization of medical supplies to the G. K. Zhukov partisan unit during World War II] Ermakov MA. **Farmatsiia** 24(3):6–8, May–Jun 75 **(Rus)**

[The great victory of the Soviet people] Kur'erov VA. **Farmatsiia** 24(3):3–5, May–Jun 75 **(Rus)**

[Special sources of vitamins used in nutrition of the population of Leningrad during the blockade] Bezzubov AD. **Gig Sanit** (8):44–6, Aug 75 **(Rus)**

[Soviet industrial hygienists during World War II] Arkhipov AS. **Gig Tr Prof Zabol** (5):15–7, May 75 **(Rus)**

[Contribution of scientists to the cause of work and health protection of workers during World War II] Beĭlikhis GA. **Gig Tr Prof Zabol** (4):1–4, Apr 75 **(Rus)**

[Work hygiene, occupational pathology and medical–sanitary support at industrial enterprises during the period of the enemy blockade of Leningrad] Fridliand IG. **Gig Tr Prof Zabol** (5):6–10, May 75 **(Rus)**

[Outline of the activities of the Institute of Work Hygiene and Occupational Diseases of the Academy of Medical Sciences of the USSR during World War II] Khotsianov LK. **Gig Tr Prof Zabol** (5):20–2, May 75 **(Rus)**

[Industrial health inspection in the RSFSR during World War II] Marchenko EN. **Gig Tr Prof Zabol** (5):3–6, May 75 **(Rus)**

[Industrial and sanitary inspection in Moscow during World War II] Rozanov IS. **Gig Tr Prof Zabol** (5):22–5, May 75 **(Rus)**

[30th anniversary of victory in World War II] Suponitskiĭ MIa. **Gig Tr Prof Zabol** (5):10–4, May 75 **(Rus)**

[In the enemy's rear (from memoirs)] Tsessarskiĭ AV. **Gig Tr Prof Zabol** (5):25–7, May 75 **(Rus)**

[Scientific activity of practicing physicians during the Great Patriotic War] Brzheskiĭ VCh. **Klin Khir** (3):81–3, Mar 76 **(Rus)**

[30th anniversary of a great victory] **Med Parazitol (Mosk)** 44(3):259–63, May–Jun 75 **(Rus)**

[Organization of the control of malaria during World War II] Dukhanina NN. **Med Parazitol (Mosk)** 44(3):263–8, May–Jun 75 **(Rus)**

[Public health in the Mari ASSR during World War II] Aleksandrov NA. **Sov Zdravookhr** (7):62–5, 1975 **(Rus)**

[Activities of the leading scientists of the Central Institute for Postgraduate Medical Training during World War II] Aleksanian IV, et al. **Sov Zdravookhr** (5):30–6, 1975 **(Rus)**

[Japanese public health system in Southern Sakhalin in 1945 (on the 30th anniversary of the victory over Japanese imperialism)] Burnazian AI. **Sov Zdravookhr** (10):63–7, 1975 **(Rus)**

[On the history of the medical service at the Kalinin and Baltic fronts] Burnazian AI. **Sov Zdravookhr** (5):10–2, 1975 **(Rus)**

[1st Moscow Medical Institute in World War II, 1941–1945] Danilin EN, et al. **Sov Zdravookhr** (5):26–30, 1975 **(Rus)**

[Epidemic control in the protection of the population of blockaded Leningrad] Gladkikh PF. **Sov Zdravookhr** (5):40–5, 1975 **(Rus)**

[Nikolaev medics—active participants in the antifascist 'Nikolaev Center' underground organization] Kiselev AF. **Sov Zdravookhr** (5):45–9, 1975 **(Rus)**

[Public health workers during the Slovak national uprising] Kojšová Z, et al. **Sov Zdravookhr** (5):62–7, 1975 **(Rus)**

[Heroic exploit of the medics during World War II, 1941–1945] Kuz'min MK. **Sov Zdravookhr** (5):13–20, 1975 **(Rus)**

[Caucasian Mineral Waters health resorts during World War II, 1941–1945] Soldatenko AN, et al. **Sov Zdravookhr** (5):36–40, 1975 **(Rus)**

[Bulgarian-Soviet medical cooperation in the fight against fascism (1941–1945)] Strashimirov K. **Sov Zdravookhr** (5):57–62, 1975 **(Rus)**

[Public health of the Vologoda region in the years of the Great Patriotic War] Turupanov NL. **Sov Zdravookhr** (8):62–5, 1975 **(Rus)**

[Physician heroes of World War II] Kuvshinskiĭ DD. **Vestn Akad Med Nauk SSSR** (11):49–62, 1975 **(Rus)**

[Medical care of the population during World War II years] Miterev GA, et al. **Vestn Akad Med Nauk SSSR** (11):39–49, 1975 **(Rus)**

[The journal 'I.I. Grekov Vestnik Khirurgii' during the war years] Zaĭtsev EI. **Vestn Khir** 114(5):13–21, May 75 **(Rus)**

[Work of a radiologist during World War II (personal recollections)] Grechishkin SV. **Vestn Rentgenol Radiol** (3):82–4, May–Jun 75 **(Rus)**

[Roentgenology during the Great Patriotic War (reminiscences of a military roentgenologist)] Sokolov IuN. **Vestn Rentgenol Radiol** (4):87–91, Jul–Aug 75 **(Rus)**

[In labor as in battle] Proskurin Iu. **Veterinariia** (6):31–7, Jun 75 **(Rus)**

[A great feat of the Soviet people] **Voen Med Zh** (4):4–8, Apr 75 **(Rus)**

[Facts and figures (a chronicle of the work of the medical service in the 3d phase of World War II)] **Voen Med Zh** (5):94–6, May 75 **(Rus)**

[Experience with epidemic control support of troops in World War II and its importance under modern conditions] Agafonov VI. **Voen Med Zh** (4):46–51, Apr 75 **(Rus)**

[Military field surgery in World War II and its development over the 30 postwar years] Berkutov AN. **Voen Med Zh** (5):31–5, May 75 **(Rus)**

[Medics of the Urals at the front and in the hinterland during World War II] Borodin VG. **Voen Med Zh** (8):85–6, Aug 75 **(Rus)**

[Soviet medics in the war with imperialist Japan] Burnazian AI. **Voen Med Zh** (9):83–9, Sep 75 **(Rus)**

[Activities of the medical service in the offensive operations at the 1st Baltic Front in 1943–1944] Burnazian AI. **Voen Med Zh** (5):42–8, May 75 **(Rus)**

[Evacuation of the wounded and ill by air transport during World War II] Divin IaN, et al. **Voen Med Zh** (1):84–5, Jan 76 **(Rus)**

[Establishment and development of the organization of medical care for female military personnel in World War II] Drachko VF. **Voen Med Zh** (3):91–2, Mar 76 **(Rus)**

[Surgical strength group—structural subdivision of the Partisan Union Medical Service during the period of the Great Patriotic War] Ermakov MA. **Voen Med Zh** (6):91–3, Jun 75 **(Rus)**

[Party's concern for a high level of efficiency in troop medical support during World War II] Fedorov KV. **Voen Med Zh** (5):17–20, May 75 **(Rus)**

[Medical service at the Leningrad front during the blockade of Leningrad] Gladkikh LF. **Voen Med Zh** (2):91–3, Feb 76 **(Rus)**

[Medical support of the troops of the 3rd Ukrainian Front in the Budapest Operation] Iakovlev AV. **Voen Med Zh** (4):63–6, Apr 75 **(Rus)**

[Medical service to the troops at the 2d belorussian Front in the Eastern Pomeranian offensive operation] Iakovlev NA, et al. **Voen Med Zh** (5):55–9, May 75 **(Rus)**

[Heroism and devotedmen of military medics during World War II] Iurov IA. **Voen Med Zh** (5):20–5, May 75 **(Rus)**

[Problems of medical support for the Navy in World War II] Ivanov EM. **Voen Med Zh** (4):24–8, Apr 75 **(Rus)**

[Memorial to the Baltic medics who fell in the battles for the homeland] Ivanov EM. **Voen Med Zh** (7):91–2, Jul 75 **(Rus)**

[Contribution of the S. M. Kirov Military Medical Academy to the medical care of the armed forces during the time of World War II] Ivanov NG, et al. **Voen Med Zh** (5):25–31, May 75 **(Rus)**

[Improvement in the organization of therapeutic aid in World War II] Komarov FI, et al. **Voen Med Zh** (4):38–42, Apr 75 **(Rus)**

[Role of the army surgeon in organizing medical aid for the wounded in World War II] Kovanov VV. **Voen Med Zh** (4):51–5, Apr 75 **(Rus)**

[Sanitary and hygienic support of the troops in World War II] Krotkov FG. **Voen Med Zh** (4):42–6, Apr 75 **(Rus)**

[Experience with medical support for the Soviet Armed Forces in World War II and modern problems of military medicine] Kuvshinskiĭ DD. **Voen Med Zh** (4):9–16, Apr 75 **(Rus)**

[Organization of medical service to the troops in the Battle of Berlin] Lobastov OS. **Voen Med Zh** (5):48–54, May 75 **(Rus)**

[Scientific presentation of the experience of Soviet military medicine in World War II and in the postwar period by the Museum of Military Medicine of the Ministry of Defense of the USSR] Makarov VI, et al. **Voen Med Zh** (5):75–8, 1976 **(Rus)**

[Medical support of the 4th Guards Infantry Division in the battles for the liberation of Hungary] Marchenko MA. **Voen Med Zh** (4):92–3, Apr 75 **(Rus)**

[Medical care on the battlefields of Northern Caucasus] Marchenko MA. **Voen Med Zh** (6):89–91, Jun 75 **(Rus)**

[Medics of the Guards Division in the battle for the liberation of Vienna] Marchenko MA. **Voen Med Zh** (5):67–9, May 75 **(Rus)**

[Organization of medical aid for patients with infectious diseases during World War II] Matkovskiĭ VS, et al. **Voen Med Zh** (5):78–9, 1976 **(Rus)**

[Therapeutic and evacuation support of the 69th Army in the Wisla–Oder Operation] Morozov PV. **Voen Med Zh** (5):59–63, May 75 **(Rus)**

[Soviet public health during World War II] Petrovskiĭ BV. **Voen Med Zh** (5):5–12, May 75 **(Rus)**

[Selected military medical statistical studies in the Armed Forces of the USSR] Poliakov LE, et al. **Voen Med Zh** (4):90–1, Apr 76 **(Rus)**

[Experience with epidemic control among the troops of the Western and 3d White Russian Fronts in World War II] Pozyval' TT. **Voen Med Zh** (5):80–2, 1976 **(Rus)**

[Training of military medical personnel based on the experience of World War II] Ripp GKh. **Voen Med Zh** (7):11–3, Jul 75 **(Rus)**

[Medical support for the air forces in World War II] Rudnyĭ NM. **Voen Med Zh** (4):28–31, Apr 75 **(Rus)**

[Activities of the evacuation hospitals of the republics of Central Asia and Kazakhstan during World War II] Shamsutdinov SKh. **Voen Med Zh** (11):85, Nov 75 **(Rus)**

[Medical service of the 10th Guards Army during the final stage of World War II] Shmatikov MD. **Voen Med Zh** (5–3):64–7, May 75 **(Rus)**

[Medical support of the 368th Rifle Division at the beginning of its combat career] Shuba IA. **Voen Med Zh** (5):69–73, May 75 **(Rus)**

[Medical service to troops in the Wisla–Oder Operation] Smirnov EI. **Voen Med Zh** (5):35–42, May 75 **(Rus)**

[Prevention of epidemics among the troops on the 1st Belorussian Front] Tararin RA. **Voen Med Zh** (6):88–9, Jun 75 **(Rus)**

[Organization of medical supplies in the Armed Forces of the USSR in World War II] Tiurin UG, et al. **Voen Med Zh** (4):55–9, Apr 75 (Eng. Abstr.) **(Rus)**

[Health control over the feeding of troops on the Western and 3d Belorussian Fronts during the Great Patriotic War years] Vavilin PA. **Voen Med Zh** (6):86–8, Jun 75 **(Rus)**

[Military field surgery in World War II and prospects for its further development] Vishnevskiĭ AA, et al. **Voen Med Zh** (4):32–7, Apr 75 **(Rus)**

[The 30th anniversary of the victory of the Soviet people in the World War II., 1941–1945] **Vopr Onkol** 21(5):3–9, 1975 **(Rus)**

[Evacuation hospitals in Pyatigorsk during the Great Patriotic War] Bukhtoiarov AP, et al. **Zdravookhr Ross Fed** (11):22–3, Nov 75 **(Rus)**

[Activities of medical scientists in blockaded Leningrad] Gladkikh PF. **Zdravookhr Ross Fed** (5):16–20, May 75 **(Rus)**

[Protection of the health and lives of children in Leningrad during the period of the blockade (pages of remembrance)] Kutina LS. **Zdravookhr Ross Fed** (5):21–2, May 75 **(Rus)**

[Pharmaceutical service of the Volga area in the years of the Great Patriotic War (according to data of the Ul'ianov, Kuĭbyshev, and Saratov districts and the Tatar ASSR)] Vinokurova GA. **Zdravookhr Ross Fed** (5):13–6, May 75 **(Rus)**

[30th anniversary of a great victory] **Zh Mikrobiol Epidemiol Immunobiol** (5):3–6, May 75 (Eng. Abstr.) **(Rus)**

[Organizational and procedural forms and methods of epidemic control in the battles at the Stalingrad (Don) front in 1942–1943] Agafonov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):6–10, May 75 **(Rus)**

[Epidemiologists in the defense of Moscow] Bezdenezhnykh IS. **Zh Mikrobiol Epidemiol Immunobiol** (5):16–9, May 75 **(Rus)**

[Epidemic control on the Western Front in the Battle of Moscow] Pozyval' TT. **Zh Mikrobiol Epidemiol Immunobiol** (5):10–5, May 75 **(Rus)**

[Tactics in the care of neurosurgical wounds of the 1st degree of emergency in the general national defensive war] Stojicic LJ, et al. **Acta Chir Iugosl** 23(1 Suppl):197–200, 1976 **(Ser)**

[Position, role and tasks of the medical school in the system of general national defensive war] Kamčevski G, et al. **God Zb Med Fak Skopje** 21:179–86, 1975 (Eng. Abstr.) **(Ser)**

[Characteristics of the development of medical services or the National Liberation Army in Croatia in the years 1943–1945] Kralj I. **Vojnosanit Pregl** 32(6):669–74, Nov–Dec 75 **(Ser)**

[Treatment of our wounded and sick at the Allied Hospitals and role of the medical mission of the Yugoslav Liberation Army] Romano J. **Vojnosanit Pregl** 33(1):56–60, Jan–Feb 76 **(Ser)**

[Memories and experiences of pharmacists in the area of the 4th operational sector or the VIII Corps of the Yugoslav Liberation Army respectively (1941–1945)] Tartalja H. **Vojnosanit Pregl** 33(1):51–5, Jan–Feb 76 **(Ser)**

[Slovak pathology on the 30th anniversary of the liberation of our country by the Soviet army] **Cesk Patol** 11(3):113–5, Aug 75 **(Slo)**

WAR CRIMES

Pathological patterns of identification in families of survivors of the Holocaust. de Graaf T. **Isr Ann Psychiatry** 13(4):335–63, Dec 75

Rorschach records of the Nazi war criminals: an experimental study after thirty years. Harrower M. **J Pers Assess** 40(4):341–51, Aug 76

Characteristics of the offspring of Holocaust survivors in Israel. Gay M, et al. **Ment Health Soc** 1(5–6):302–12, 1974

Letter: Maladie de famine. Altschule MD. **N Engl J Med** 294(23):1297, 3 Jun 76

HISTORY

[Documented criminal experiments of Carl Clauberg] Glowacki C. **Przegl Lek** 33(1):85–90, 1976 **(Pol)**

[Reminiscing about the Sonderaktion Krakau] Kamieński B. **Przegl Lek** 33(1):171–9, 1976 **(Pol)**

[The Gusen Revier. A historical outline] Karolini T. **Przegl Lek** 33(1):179–83, 1976 **(Pol)**

[Dr. Jerzy Rajchman] Klodziński S. **Przegl Lek** 33(1):225–7, 1976 **(Pol)**

[Dr. Jan Władysław Brzeski] Klodzinski S. **Przegl Lek** 33(1):222–4, 1976 **(Pol)**

[Some unknown episodes at the Aflezn Concentration Camp] Pawlowski B. **Przegl Lek** 33(1):188–94, 1976 **(Pol)**

[Dr. Władysław Tondos] Ryn Z. **Przegl Lek** 33(1):228–31, 1976 **(Pol)**

[Dr. Bernard Filarski] Siniecki B. **Przegl Lek** 33(1):219–20, 1976 **(Pol)**

[Prof. Eugeniusz Brzezicki] Szymusik A, et al. **Przegl Lek** 33(1):213–8, 1976 **(Pol)**

WARBURG'S RESPIRATORY ENZYME see **CYTOCHROME OXIDASE**

WARDS, HOSPITAL see under **HOSPITAL UNITS**

WARFARIN

ADMINISTRATION & DOSAGE

Control of warfarin therapy in the elderly. Eccles JT. **Age Ageing** 4(3):161–5, Aug 75

Clinical experience with an oral anticoagulant in children. Carpentieri U, et al. **Arch Dis Child** 51(6):445–8, Jun 76

The optimal level of anticoagulation for decreasing experimental metastases. Hoover HC Jr, et al. **Surgery** 79(6):625–30, Jun 76

ADVERSE EFFECTS

Ovarian hemorrhage complicating warfarin sodium anticoagulant therapy. Matseoane S, et al. **Am J Obstet Gynecol** 124(7):766–7, 1 Apr 76

Combined therapy with cholestyramine and warfarin. Cali TJ. **Am J Pharm** 147(6):166–9, Nov–Dec 75

Femoral neuropathy complicating anticoagulant therapy. Brantigan JW, et al. **Am J Surg** 132(1):108–9, Jul 76

Letter: Warfarin-induced necrosis. Kohn D. **Ann Intern Med** 83(4):580, Oct 75

Letter: Heparin therapy in Coumadin breast necrosis. Tong D. **Ann Intern Med** 84(2):222, Feb 76

Upper airway obstruction induced by warfarin sodium. Lepore ML. **Arch Otolaryngol** 102(8):505–6, Aug 76

Retropharyngeal hematoma. A complication of therapy with anticoagulants. Owens DE, et al. **Arch Otolaryngol** 101(9):565–8, Sep 75

Spontaneous rupture of the spleen. An unusual complication of anticoagulant therapy. Soyer MT, et al. **Arch Surg** 111(5):610, May 76

Hemarthrosis associated with sodium warfarin therapy. Wild JH, et al. **Arthritis Rheum** 19(1):98–102, Jan–Feb 76

Embryopathy associated with oral anticoagulant therapy. Hall JG. **Birth Defects** 12(5):33–7, 1976

Skin necrosis following warfarin therapy. Kirby JD, et al. **Br J Dermatol** 94(1):97–9, Jan 76

Letter: Warfarin and distalgesic interaction. Jones RV. **Br Med J** 1(6007):460, 21 Feb 76

Warfarin and Distalgesic interaction. Orme M, et al. **Br Med J** 1(6003):200, 24 Jan 76

Iatrogenic femoral neuropathy. Stewart-Wayne EG. **Br Med J** 1(6004):263, 31 Jan 76

Cutaneous gangrene: a rare complication of coumarin therapy. Shnider M, et al. **Can J Surg** 19(1):64–5,68, Jan 76

Warfarin therapy initiated during pregnancy and phenotypic chondrodysplasia punctata. Pauli RM, et al. **J Pediatr** 88(3):506–8, Mar 76

Letter: Fetal anomalies associated with warfarin therapy initiated shortly prior to conception. Richman EM, et al. **J Pediatr** 88(3):509–10, Mar 76

Letter: Warfarin and fetal abnormality. **Lancet** 1(7969):1127, 22 May 76

Letter: Warfarin and fetal abnormality. Bofinger MK, et al. **Lancet** 1(7965):911, 24 Apr 76

Letter: Warfarin and fetal abnormality. Carson M, et al. **Lancet** 1(7973):1356, 19 Jun 76

Case report: 'purple toes' syndrome: an uncommon complication of oral anticoagulant therapy. Di Cato MA. **Postgrad Med** 58(7):133–4, Dec 75

Warfarin as a possible teratogen. Fourie DT, et al. **S Afr Med J** 49(50):2081–3, 22 Nov 75

ANALYSIS

The determination of warfarin in animal tissues be electron–capture gas–liquid chromatography. Odam EM, et al. **Analyst** 101(1203):478–84, Jun 76

Determination of warfarin in animal relicta and feedingstuffs by high–pressure liquid chromatography with confirmation of identity by mass spectrometry. Mundy DE, et al. **J Chromatogr** 121(2):335–41, 23 JUN 76

ANTAGONISTS & INHIBITORS

Predictable reduction in anticoagulant activity of warfarin by small amounts of vitamin K. Andersen P, et al. **Acta Med Scand** 198(4):269–70, Oct 75

Interaction of chronic daily warfarin therapy and rifampin. O'Reilly RA. **Ann Intern Med** 83(4):506–8, Oct 75

[Experimental research on the hyperprothrombinemic activity of an isocoumarin derivative: antagonism against anticoagulant dicoumarol (Warfarin)] Reina RA. **Farmaco [Sci]** 30(12):947–54, Dec 75 (Eng. Abstr.) **(Ita)**

BLOOD

Spectrophotometric assays for warfarin sodium and dicumarol. Use in rapid detection of patients suspected of drug intoxication or surreptitious noningestion. Cole ER, et al. **Arch Intern Med** 136(4):474–9, Apr 76

The effects of allopurinol and clofibrate on the elimination of coumarin anticoagulants in man. Pond SM, et al. **Aust NZ J Med** 5(4):324–8, Aug 75

Thermodynamics of fatty acid anion displacement of warfarin and phenylbutazone from human albumin. Rippie EG. **Biochem Pharmacol** 25(10):1215–6, 15 May 76

Intrasubject variation of warfarin binding to protein in serum of patients with cardiovascular disease. Yacobi A, et al. **Clin Pharmacol Ther** 20(3):300–3, Sep 76

Phenylbutazone–warfarin interaction in the dog. Bachmann KA, et al. **J Pharm Pharmacol** 27(11):832–6, Nov 75

Multimodal distribution of warfarin binding to protein in serum of male–Sprague Dawley rats. Slattery JT, et al. **Life Sci** 19(3):447–51, 1 Aug 76

Drug displacement of warfarin from human serum albumin: a fluorometric analysis. Henry RA, et al. **Toxicol Appl Pharmacol** 33(2):267–75, Aug 75

[Laboratory standardization and quality control in anticoagulant therapy] Brink S, et al. **S Afr Med J** 50(7):205–8, 14 Feb 76 (Eng. Abstr.) **(Afr)**

[Rodenticidal action of warfarin/4th communication: Binding to serum albumin of mice and rats (author's transl)] von Oettingen U, et al. **Arzneim Forsch** 25(11):1705–6, Nov 75 (Eng. Abstr.) **(Ger)**

METABOLISM

Non–linear multicompartment model for drug binding by extracellular proteins with an application to warfarin. Julkunen RJ, et al. **Acta Pharmacol Toxicol (Kbh)** 38(2):90–103, Feb 76

Alteration of warfarin kinetics in man associated with exposure to an operating–room environment. Ghoneim MM, et al. **Anesthesiology** 43(3):333–6, Sep 75

Decreased capacity to metabolize diphenylhydantoin in a patient with hypersensitivity to warfarin. Bochner F, et al. **Aust NZ J Med** 5(5):462–6, Oct 75

Studies on a ketone reductase in human and rat liver and kidney soluble fraction using warfarin as a substrate. Moreland TA, et al. **Biochem Pharmacol** 24(21):1953–7, 1 Nov 75

Comparative effect of phenobarbital and methaqualone on warfarin metabolism in the rat. Procaccini RL, et al. **Biochem Pharmacol** 25(4):379–82, 15 Feb 76

Warfarin. Benya TJ, et al. **J Am Pharm Assoc** 16(5):271–4, May 76

Proceedings: Influence of a mucin model system upon the bioavailability of phenylbutazone and warfarin sodium from the small intestine. Barry BW, et al. **J Pharm Pharmacol** 27 Suppl?–2:74P, Dec 75

The absorption of warfarin from the rat small intestine in situ. Julkunen RJ. **J Pharm Pharmacol** 28(6):493–7, Jun 76

Comparative pharmacokinetics of coumarin anticoagulants. XIV: relationship between protein binding, distribution, and elimination kinetics of warfarin in rats. Yacobi A, et al. **J Pharm Sci** 64(10):1660–4, Oct 75

Comparative pharmacokinetics of coumarin anticoagulants XV: relationship between pharmacokinetics of dicumarol and warfarin in rats. Yacobi A, et al. **J Pharm Sci** 64(12):1995–98, Dec 75

Rapid equilibration of warfarin between rat tissue and plasma. Benya TJ, et al. **J Pharmacokinet Biopharm** 3(4):237–55, Aug 75

The absorption of warfarin from the rat stomach in situ. Julkunen RJ. **Med Biol** 54(4):260–3, Aug 76

Effect of phenylbutazone on the metabolic disposition of warfarin in the dog. Bachmann KA, et al. **Res Commun Chem Pathol Pharmacol** 14(4):747–50, Aug 76

Intersubject variation of warfarin binding to protein in serum of normal subjects. Yacobi A, et al. **Res Commun Chem Pathol Pharmacol** 14(4):743–6, Aug 76

PHARMACODYNAMICS

The effect of different oral anticoagulants on diphenylhydantoin (DPH) and tolbutamide metabolism. Skovsted L, et al. **Acta Med Scand** 199(6):513–5, 1976

Effect of hyperthyroidism on hypoprothrombinemic response to warfarin. Self TH, et al. **Am J Hosp Pharm** 33(4):387–9, Apr 76

Coumarins and the vitamin K–K epoxide cycle. Lack of resistance to coumatetralyl in warfarin–resistant rats. Bell RG, et al. **Biochem Pharmacol** 25(9):1067–70, 1 May 76

A variant of prothrombin induced in cattle by prolonged administration of warfarin. Prowse CV, et al. **Biochim Biophys Acta** 434(1):265–79, 20 May 76

Letter: Potentiation of warfarin by co–trimoxazole. De Swiet J. **Br Med J** 3(5981):491, 23 Aug 75

A survey of the response of different strains of mice to substances metabolised by microsomal oxidation; hexobarbitone, zoxazolamine and warfarin. Lush IE. **Chem Biol Interact** 12(3–4):363–73, Mar 76

Letter: Interaction of sulfisoxazole and warfarin. Self TH, et al. **Circulation** 52(3):528, Sep 75

Influence of acute viral hepatitis on disposition and pharmacologic effect of warfarin. Williams RL, et al. **Clin Pharmacol Ther** 20(1):90–7, Jul 76

Serum protein binding as a determinant of warfarin body clearance and anticoagulant effect. Yacobi A, et al. **Clin Pharmacol Ther** 19(5 Pt 1):552–8, May 76

Comparison of feprazone and phenylbutazone interaction with warfarin in man. Chierichetti S, et al. **Curr Ther Res** 18(4):568–72, Oct 75

Lack of interaction between ibuprofen and warfarin. Penner JA, et al. **Curr Ther Res** 18(6):862–71, Dec 75

Ineffectiveness of anticoagulation in experimental radiation therapy. Röttinger EM, et al. **Eur J Cancer** 11(10):743–9, Oct 75

Warfarin and the warfarin–resistant rat. pp. 21–35. O'Reilly RA, et al. **In: Animal models of thrombosis and hemorrhagic diseases. NIH, Bethesda, 1976. WH 312 W926a 1975.**

A major gene controlling warfarin–resistance in the house mouse. Wallace ME, et al. **J Hyg (Camb)** 76(2):173–81, Apr 76

The influence of fasting and stress on the response of rats to warfarin. Laliberté R, et al. **J Pharmacol Exp Ther** 196(1):194–203, Jan 76

Induction of hepatic enzymes by methaqualone and effect on warfarin–induced hypoprothrombinemia. Mathur PP, et al. **J Pharmacol Exp Ther** 196(1):204–12, Jan 76

Letter: Potentiation of warfarin by co–trimoxazole. Hassall C, et al. **Lancet** 2(7945):1155–6, 6 Dec 75

Letter: Drug enhancement of warfarin activity. Self TH, et al. **Lancet** 2(7934):557–8, 20 Sep 75

The stereoselective interaction of warfarin and metronidazole in man. O'Reilly RA. **N Engl J Med** 295(7):354–7, 12 Aug 76

Vitamin K requirement and warfarin tolerance in the hamster. Shah DV, et al. **Proc Soc Exp Biol Med** 150(1):126–8, Oct 75

Effect of plasma protein binding on the anticoagulant action of warfarin in rats. Yacobi A, et al. **Res Commun Chem Pathol Pharmacol** 12(2):405–8, Oct 75

Proceedings: The anti–thrombotic effect of warfarin, dipyridamole and aspirin in the rat. Lavelle SM, et al. **Thromb Diath Haemorrh** 34(1):343, 30 Sep 75

Alterations in the effects of warfarin in dogs by halofenate: an influence upon the kinetics of prothrombin. Weintraub M, et al. **Thromb Diath Haemorrh** 34(2):445–54, 15 Nov 75

[Prothrombin abnormality in the case of warfarin treatment, disseminated intravascular congulation syndrome and liver cirrhosis (author's transl)] Sakuragawa N. **Jpn J Clin Pathol** 24(4):279–80, Apr 76 **(Jpn)**

THERAPEUTIC USE

Outpatient management of anticoagulation. Davis FB, et al. **Compr Ther** 1(8):65–9, Dec 75

Recommendations for practice. pp. 250–1. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

Prevention of venous thromboembolism by oral anticoagulant therapy. pp. 143–8. Sevitt S. **In: Fratantoni J, Wessler S, ed. Prophylactic therapy of deep vein thrombosis and pulmonary embolism. Bethesda, NIH, 1975. WG 420 P965 1975.**

Factors influencing anticoagulant control—an epidemiological study. pp. 309–17. O'Malley K, et al. **In: Morselli PL et al., ed. Drug interactions. New York, Raven Press, 1974. QV 38 D793 1974.**

Rethrombosis analysed in reference to anticoagulant therapy. Saggau W, et al. **J Cardiovasc Surg (Torino)** 16(4):386–9, Jul–Aug 75

Effect of warfarin in treatment of cancer. Boulos BM, et al. **Panminerva Med** 18(3–4):105–13, Mar–Apr 76

Phenylbutazone and anticoagulant control. Bull J, et al. **Practitioner** 215(1290):767–69, Dec 75

Decreasing experimental metastasis formation with anticoagulation and chemotherapy. Hoover HC Jr, et al. **Surg Forum** 26:173–4, 1975

[Pregnancy in patients with 2 heart prostheses and antithrombotic drug therapy. Report of 2 cases] Ibarra–Pérez C, et al. **Ginecol Obstet Mex** 40(237):53–60, Jul 76 (Eng. Abstr.) **(Spa)**

TOXICITY

High coumarin 7-hydroxylase activity does not protect mice against Warfarin. Lush IE, et al. **Heredity (Lond)** 35(2):279–81, Oct 75

WARTS

see related
PAPILLOMA

Warts. Diagnosis and treatment. Sanders BB, et al. **JAMA** 235(26):2859–61, 28 Jun 76

CLASSIFICATION

[A contribution to the classification of seborrheic keratoses (author's transl)] Hundeiker M, et al. **Arch Dermatol Res** 254(1):49–54, 14 Nov 75 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Viral warts, herpes simplex and herpes zoster in patients with secondary immune deficiencies and neoplasms. Morison WL. **Br J Dermatol** 92(6):625–30, Jun 75

[Problem of verrucous psoriasis] Trofimova LIa, et al. **Vestn Dermatol Venerol** (7):51–4, Jul 75 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Vitamin A acid in the topic treatment of warts. De Bersaques J. **Acta Derm Venereol [Suppl] (Stockh)** 74:169–70, 27–29 Jan 75

Letter: Treatment of plantar warts with bleomycin. Hudson AL. **Arch Dermatol** 112(8):1179, Aug 76

Letter: Aseptic necrosis of warts instead of lymphangitis. Roth HL. **Arch Dermatol** 112(7):1035, Jul 76

5-Fluorouracil in the treatment of common warts of the hands. A double-blind study. Goncalves JC. **Br J Dermatol** 92(1):89–91, Jan 75

A controlled trial on the use of topical 5-fluorouracil on viral warts. Hursthouse MW. **Br J Dermatol** 92(1):93–6, Jan 75

Anti-viral treatment of warts. Morison WL. **Br J Dermatol** 92(1):97–9, Jan 75

Vitamin A acid in the topic treament of plantar warts. de Bersaques J. **Dermatologica** 150(6):369–71, 1975

[2-mercaptobenzothiazole in the topical treatment of senile warts] Krauskopf J, et al. **Cesk Dermatol** 50(6):386–7, Dec 75 (Eng. Abstr.) **(Cze)**

[Treatment of warts of the hands and feet with Verucid] Auken G, et al. **Ugeskr Laeger** 137(51):3036–8, 15 Dec 75 (Eng. Abstr.) **(Dan)**

[Experience of clinical treatment of verrucosis with bleomycin (author transl)] Ishizaka T. **Jpn J Antibiot** 28(4):581–3, Aug 75 **(Jpn)**

ETIOLOGY

Letter: Leser-Trélat sign with porphyria cutanea tarda and malignant hepatoma. Harrington CI. **Arch Dermatol** 112(5):730, May 76

[Generalized verrucosis with hypoproteinemia and hypogammaglobulinemia] Oehlschlaegel G, et al. **Z Hautkr** 50(22):922–4, 15 Nov 75 **(Ger)**

IMMUNOLOGY

In vitro lymphocyte stimulation by wart antigen in man. Ivanyi L, et al. **Br J Dermatol** 94(5):523–7, May 76

Cell-mediated immune responses in patients with warts. Morison WL. **Br J Dermatol** 93(5):553–6, Nov 75

In vitro assay of immunity to human wart antigen. Morison WL. **Br J Dermatol** 93(5):545–52, Nov 75

Wart immunity, autoantibodies and Australia antigen in sarcoidosis. Morison WL. **Br J Dermatol** 93(6):717–8, Dec 75

Smooth muscle antibody in patients with warts. Mcmillan SA, et al. **Clin Exp Immunol** 21(2):339–44, Aug 75

An immunofluorescence study of warts. Shirodaria PV, et al. **Clin Exp Immunol** 21(2):329–38, Aug 75

Immune reactions against warts. Pyrhönen S. **Int J Dermatol** 15(5):344–7, Jun 76

METABOLISM

Biochemical and physiological parameters on the healthy skin surface of patients with common warts. Gloor M, et al. **Dermatologica** 152(3):152–7, 1976

MICROBIOLOGY

[Simultaneous appearance of virus-verruca on lips and hands] István S, et al. **Fogorv Sz** 69(5):156–7, May 76 **(Hun)**

[Epidermodysplasia verruciformis with malignant degeneration. Negative search of Paova virus in malignant lesions] Sánchez Yus E, et al. **Actas Dermosifiliogr** 67(5–6):377–84, May-Jun 76 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Failure to produce warts on human skin grafts on 'nude' mice. Cubie HA. **Br J Dermatol** 94(6):659–65, Jun 76

Acquired pigmentation of skin folds with the histological picture of seborrhoeic wart. Kaminsky CA, et al. **Br J Dermatol** 93(6):713–6, Dec 75

Metaplasia of a verruca vulgaris into spinocellular carcinoma. Grussendorf EI, et al. **Dermatologica** 150(5):295–9, 1975

Alterations in the morphology of dermo-epidermal interface of pedal verrucae as revealed by scanning electron microscopy McCarthy DJ. **J Am Podiatry Assoc** 66(7):505–14, JUL 76

Intranuclear tonofilaments in verruca vulgaris. Hashimoto K, et al. **J Invest Dermatol** 67(2):285–7, Aug 76

Signet ring verruca. Kwittken J. **Mt Sinai J Med NY** 43(1):61–5, Jan-Feb 76

[Comparative study of the clinical picture and histopathology of lymphoblastoma, lymphocytic infiltration, lymphocytoma cutis and lymphoid papulosis] Wolf M. **Actas Dermosifiliogr** 66(11–12):549–60, Nov-Dec 75 **(Spa)**

SURGERY

Skin curette and the treatment of plantar verruca. Davidson MR, et al. **J Am Podiatry Assoc** 66(5):331–6, May 76

Surgical gems. Albom MJ. **J Dermatol Surg** 2(1):28–30, Mar 76

THERAPY

An assessment of methods of treating viral warts by comparative treatment trials based on a standard design. Bunney MH, et al. **Br J Dermatol** 94(6):667–79, Jun 76

Randomized trial of transfer factor treatment of human warts. Stevens DA, et al. **Clin Exp Immunol** 21(3):520–4, Sep 75

Common plantar hyperkeratoses. Engler GL, et al. **J Dermatol Surg** 1(3):59–61, Oct 75

[Topical photochemotherapy of warts] Jung EG, et al. **Z Hautkr** 51(12):491–8, 15 JUN 76 **(Ger)**

WASPS see under **HYMENOPTERA**

WASSERMANN REACTION

[Development of Wassermann's reaction] Schadewaldt H. **Dtsch Med Wochenschr** 100(48):2506–8, 28 Nov 75 **(Ger)**

[False-positive reactions in Wassermann reaction with cardiolipin antigen in the acute period of myocardial infarct] Krylov AA, et al. **Vrach Delo** (3):46–7, Mar 76 **(Rus)**

WASTE DISPOSAL, FLUID see under **SEWAGE**

WASTE DISPOSAL, SOLID see **REFUSE DISPOSAL**

WATER

see related
BODY WATER
MINERAL WATERS

Permeability to water in different adaptive phases of the same instar in the American house-dust mite. Ellingsen IJ. **Acarologia** 17(4):734–44, May 76

Infective larvae of Brugia: escape from mosquitoes into water and subsequent oral infectivity in jirds. Bosworth W, et al. **Am J Trop Med Hyg** 25(5):700–3, Sep 76

Use of trapped water as a chemical ionization agent in mass spectrometric analysis of environmental air samples. Wang IC, et al. **Anal Chem** 48(3):491–3, Mar 76

Colonization of soil by Arthrobacter and Pseudomonas under varying conditions of water and nutrient availability as studied by plate counts and transmission electron microscopy. Labeda DP, et al. **Appl Environ Microbiol** 31(4):551–61, Apr 76

Field accumulation of aflatoxin in cottonseed as influenced by irrigation termination dates and pink bollworm infestation. Russell TE, et al. **Appl Environ Microbiol** 31(5):711–3, May 76

Water binding and mobility in the phosphatidylchlone/cholesterol/water lamellar phase. Inglefield PT, et al. **Biochim Biophys Acta** 419(2):196–205, 21 Jan 76

Physicochemical studies of taste reception. III. Interpretation of the water response in taste reception. Miyake M, et al. **Biochim Biophys Acta** 436(4):843–55, 15 Jul 76

Water in agarose gels studied by nuclear magnetic resonance relaxation in the rotating frame. Andrasko J. **Biophys J** 15(12):1235–43, Dec 75

Origin of the nonexponentiality of the water proton spin relaxations in tissues. Diegel JG, et al. **Biophys J** 15(9):855–60, Sep 75

Piezoelectric and related properties of hydrated collagen. Fukada E, et al. **Biophys J** 16(8):911–8, Aug 76

Continuum reaction field calculation of dielectric constant and vapor pressures for water and carbon disulfide. Nir S. **Biophys J** 16(1):59–76, Jan 76

Tilted hydrocarbon chains of dipalmitoyl lecithin become perpendicular to the bilayer before melting. Rand RP, et al. **Biophys J** 15(11):1117–24, Nov 75

Automated adsorption isotherm device. Wilkinson A, et al. **Biophys J** 16(3):193–7, Mar 76

Adsorption behavior of globular proteins at the water/mercury interface. Scheller F, et al. **Biopolymers** 14(8):1553–63, Aug 75

Interaction of water with poly-alpha-amino acids. I. Relationships between conformation and relaxation processes. Shiraishi H, et al. **Biopolymers** 15(6):1155–65, Jun 76

Pancreatitis in the hard water syndrome. Evans DB, et al. **Br Med J** 3(5986):748, 27 Sep 75

Carbon in freshwater systems. Weizel RG, et al. **Brookhaven Symp Biol** (30):241–63, Aug 73

Anesthetics alter the solubility of nonpolar compounds in water. Buffington C, et al. **Bull NY Acad Med** 52(7):838–41, Sep 76

Distinctive adjuvanticity of synthetic analogs of mycobacterial water-soluble components. Audibert F, et al. **Cell Immunol** 21(2):243–9, Feb 76

Accelerated degradation of non-steroid anti-inflammatory drugs at carbon black/water interface. Noda J, et al. **Chem Pharm Bull (Tokyo)** 23(2):445–9, Feb 75

Syphacia muris: water permeability of eggs and its effect on hatching. van der Gulden WJ, et al. **Exp Parasitol** 39(1):40–4, Feb 76

Diurnal variations in hydro-biological characteristics of Kamla Nehru Tank Muzaffarnagr. Verma SR, et al. **Gegenbaurs Morphol Jahrb** 120(4):492–502, 1974

Ultrastructural changes in the caudal neurosecretory cells of the trout Salvelinus fontinalis in relation to external salinity. Chevalier G. **Gen Comp Endocrinol** 29(4):441–54, Aug 76

Flotation mattresses for preventing and treating tissue breakdown. Lilla JA, et al. **Geriatrics** 30(9):71–5, Sep 75

On putrefactions and floatations of dead bodies under water. Tomita K. **Hiroshima J Med Sci** 24(2–3):117–52, Sep 75

Ordered water in collagen. pp. 449–58. Suzuki E, et al. **In: Blout ER, et al., ed. Peptides, polypeptides and proteins. New York, Wiley, 1974. W3RE441K 1974p.**

Chronic toxic effects of the water of the river Rhine upon rainbow trouts. pp. 81–91. Poels CL, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (13 ref.)

Field observations on the transport of heavy metals in sediments. pp. 85–95. de Groot AJ, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

Role of hydrous metal oxides in the transport of heavy metals in the environment (G. F. Lee). Discussion. pp. 149–53. Hem JD. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

Field observations on the transport of heavy metals in sediments (A.J. de Groot and E. Allersman). Discussion. pp. 97–101. Jonasson IR, et al. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.**

Role of hydrous metal oxides in the transport of heavy metals in the environment. pp. 137–47. Lee GF. **In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.** (45 ref.)

Persistence and microbial degradation of parathion in Indian rice soils under flooded conditions. pp. 9–18. Sethunathan N, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.** (16 ref.)

Biomagnetic effect of the constant magnetic field action on water and physiological activity. pp. 441–9. Markov MS, et al. **In: Vassileva-Popova JG, ed. Physical and chemical bases of biological information transfer. New York, Plenum Press, 1975. W3 IN133R 1974p.**

Moisture sorption hysteresis on raw and treated collagen fibres. Sanjeevi R, et al. **Indian J Biochem Biophys** 13(1):98–9, Mar 76

Letter: Effect of tonicity on radiosensitivity of mammalian cells. Raaphorst GP, et al. **Int J Radiat Biol** 29(5):493–500, May 76

Letter: Observation of the effect of water on the 31P nuclear magnetic resonance spectra of dipalmitoyllecithin. Griffin RG. **J Am Chem Soc** 98(3):851–3, 4 Feb 76

Evaluation of a new design of bottle closure for non-injectable water. Hambleton R, et al. **J Appl Bacteriol** 41(1):109–18, Aug 76

Metabolic and cardiovascular adjustment to work in air and water at 18, 25, and 33 degrees C. McArdle WD, et al. **J Appl Physiol** 40(1):85–90, Jan 76

Nuclear magnetic resonance investigation of the state of water in protein solution. Uemitsu N, et al. **J Biochem (Tokyo)** 78(1):229–34, Jul 75

Water states and water gates in osmotic processes, and the inoperative concept of molfraction of water. Scholander PF. **J Exp Zool** 194(1):241–8, Oct 75 (36 ref.)

Failure of water immersion to influence parathyroid hormone secretion and renal phosphate handling in normal man. Epstein M, et al. **J Lab Clin Med** 87(2):218–26, Feb 76

Photocatalytic synthesis of organic compounds from CO and water: involvement of surfaces in the formation and stabilization of products. Hubbard JS, et al. **J Mol Evol** 2(2–3):149–66, 1973

Effect of absorbents on water vapor transmission of free and applied polymer films. Amann AH. **J Pharm Sci** 65(4):521–4, Apr 76

Water skiing hazards: nature and prevention. Grace N. **J Sports Med** 2(4):212–6, Jul-Aug 74

Detection of water-to-blood leakages in heat exchangers for cardiopulmonary bypass. de Jong DS, et al. **J Thorac Cardiovasc Surg** 70(4):735–8, Oct 75

Ion effects on macromolecules in aqueous solution. Hey MJ, et al. **Nature** 262(5571):807–9, 26 Aug 76

Effect of percentual water content in tissues and liquids on the diffusion coefficients of O2, CO2, N2, and H2. Vaupel P. **Pfluegers Arch** 361(2):201–4, 30 Jan 76

Water structure and hydration. Symons MC. **Philos Trans R Soc Lond [Biol]** 272(915):13–28, 6 Nov 75

Separation of water and ambient temperature effects on polydipsia. Carlisle HJ, et al. **Physiol Behav** 16(2):121–4, Feb 76

2H2O effects on ATP pool in frog stimulated nerve. Vasilescu V, et al. **Physiologie** 13(1):35–8, Jan–Mar 76

A semi-quantitative test for water supply. Bryan TA, et al. **Poult Sci** 54(6):2136–7, Nov 75

Water treatment for hemodialysis: a review. Walker PJ, et al. **Proc Clin Dial Transplant Forum** 3:135–40, 1973 (14 ref.)

Protein hydration changes during catalysis: a new mechanism of enzymic rate–enhancement and ion activation/inhibition of catalysis. Low PS, et al. **Proc Natl Acad Sci USA** 72(9):3305–9, Sep 75

Nuclear magnetic resonance patterns of intracellular water as a function of HeLa cell cycle. Beall PT, et al. **Science** 192(4242):904–7, 28 May 76

Letter: Relaxation time versus water content: linear or nonlinear? Brownstein KR, et al. **Science** 194(4261):213–4, 8 Oct 76

Nuclear magnetic resonance studies and water 'ordering' in the crystalline lens. Neville MC, et al. **Science** 184(4141):1072–4, 7 Jun 74

Conjectures on the structure of amorphous solid and liquid water. Rice SA. **Top Curr Chem** (60):109–200, 1975 (94 ref.)

Electrohydraulic nephrolithotripsy. Raney AM, et al. **Urology** 6(4):439–42, Oct 75

Use of commercially-bottled water in emergency intravenous fluid therapy for large animals. Miller RM. **Vet Med Small Anim Clin** 71(4):442–4, Apr 76

A gravimetric adaptation of the filter paper press method for the determination of water–binding capacity. Karmas E, et al. **Z Lebensm Unters Forsch** 158(3):145–8, 18 Jul 75

[Retention of water in slaughtered birds] Zakhariev Ts, et al. **Vet Med Nauki** 12(8):3–7, 1975 (Eng. Abstr.) **(Bul)**

[Bioelectric activation of water and its demonstration] Patrovský IV. **Cas Lek Cesk** 115(24):737–8, 18 Jun 76 **(Cze)**

[Relation between hardness in drinking-water and mortality? EF-colloquium in Luxembourg 21-3/5 1975] Korn J. **Ugeskr Laeger** 137(42):2476–7, 13 Oct 75 **(Dan)**

[Separation of pharmaceutical compounds using high-performance liquid chromatography. Influence of water II. (author's transl)] Gonnet C, et al. **J Chromatogr** 120(2):419–33, 26 May 76 (Eng. Abstr.) **(Fre)**

[Emulsions and water–surfactant–oil diagrams. A system of water–Brijs 92 and 96–oil of vaseline. Effect of surfactant hydrophilicity] Treguier JP, et al. **Pharm Acta Helv** 50(12):421–31, 1975 **(Fre)**

[Letter: Water after fruit?] Wagner M. **Dtsch Med Wochenschr** 101(24):942, 11 Jun 76 **(Ger)**

[Stability analysis of an O/W–peanut oil emulsion] Erni W, et al. **Pharm Acta Helv** 50(9):275–8, 1975 **(Ger)**

[Comparative hygienic–microbiological studies on variously polluted bathing lakes] Tiefenbrunner F, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):65–81, 1975 **(Ger)**

[Frequent diseases and deficiencies in fresh water fishes for human consumption] Kreuzer W, et al. **Tieraerztl Prax** 4(1):115–26, 1976 **(Ger)**

[The influence of intensity factors on the population dynamics of migratory root nematodes with special consideration of the genus Pratylenchus Filipjev. I. Influence of sprinkler irrigation (author's transl)] Fuchs E. **Zentralbl Bakteriol [Naturwiss]** 130(7):654–72, 1975 (Eng. Abstr.) **(Ger)**

[Sterilization of diets and drinking water in the autoclave in the Laboratory Animal Center, Nippon Veterinary and Zootechnical College (author's transl)] Shinoda M, et al. **Exp Anim (Tokyo)** 24(3):119–21, Jul 75 (Eng. Abstr.) **(Jpn)**

[Isolation and serotyping distribution of Pseudomonas aeruginosa from river water] Kodama H, et al. **J Jpn Assoc Infect Dis** 49(10):385–93, Oct 74 (Eng. Abstr.) **(Jpn)**

[Proceedings: Stimulus–response mechanism of chemoreceptor of the laryngeal nerves in rabbits] Shingai T, et al. **J Physiol Soc Jpn** 36(8–9):313–4, 1 Sep 74 **(Jpn)**

[Influence of the moisture content on the pH of lyophilized coffee] Colombo AJ, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(1):63–73, Jan–Jun 74 (Eng. Abstr.) **(Por)**

[Proton transfer from water to octane coupled with the reaction of ATP hydrolysis by soluble ATPase from chloroplasts] Boguslavskiĭ LI, et al. **Biofizika** 21(2):286–8, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Dynamic model of protein behavior in water] Käiväräinen AI. **Biofizika** 20(6):967–71, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Letter: Change in the distribution of spin probe between water and membrane in different conditions] Obraztsov VV, et al. **Biofizika** 20(6):1130–1, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Letter: Possible destabilizing effect of water on the spatial structure of DNA] Sukhorukov BI, et al. **Biofizika** 21(2):384–5, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Photooxidation of water and proton transport through the interface of 2 immiscible liquids in the presence of chlorophyll] Boguslavskiĭ LI, et al. **Dokl Akad Nauk SSSR** 227(3):727–30, 21 Mar 76 **(Rus)**

[Study of the self-diffusion of water in biological specimens by the spin echo method using the magnetic field impulse gradient] Miftakhutdinova FG, et al. **Dokl Akad Nauk SSSR** 224(2):487–90, 11 Sep 75 **(Rus)**

[Experience of work in the sanitary services of the Pavlodarsk region in the sanitary protection of the Irtysh river] Popov VV, et al. **Gig Sanit** (5):98–100, May 76 **(Rus)**

[Role of mollusks as benthos components in the purification of water bodies from the eggs of Ascaris suum] Asitinskaia SE. **Parazitologiia** 9(5):432–3, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Determination of the hygroscopic properties of dry plasma, fibrinogen and thromboplastin] Podol'skiĭ MV, et al. **Probl Gematol Pereliv Krovi** 20(11):60–1, Nov 75 **(Rus)**

[Obtaining of distilled water for the needs of a blood transfusion center] Zarudskiĭ VI. **Probl Gematol Pereliv Krovi** 20(4):62, Apr 75 **(Rus)**

[Instrumental and classical reflexes with water reinforcement] Popova EI. **Zh Vyssh Nerv Deiat** 25(2):288–94, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Preservation of some phytopathogenic bacteria in water] Muras VA, et al. **Med Educ** 38(2):229–31, Mar–Apr 76 (Eng. Abstr.) **(Ukr)**

ADMINISTRATION & DOSAGE

Intragastric water and the acquisition of schedule–induced drinking. Cope CL, et al. **Behav Biol** 17(2):267–70, Jun 76

Neuropathologic effects of intrathecal water. Kelly JM, et al. **J Neuropathol Exp Neurol** 34(5):388–400, Sep 75

ANALYSIS

Comparison of standards in the Karl Fischer method for water determination. Bryan WP, et al. **Anal Chim Acta** 84(1):149–55, Jun 76

An infrared spectroscopic method for the rapid simultaneous determination of fat and moisture in meat and meat products. Farnell PJ. **Analyst** 100(1194):661–7, Sep 75

Effect of furazolidone on heart weights and myocardial moisture content in turkey poults. Czarnecki CM, et al. **Avian Dis** 19(3):622–5, Jul–Sep 75

The content of water and potassium in fat cells. Thorsteinsson B, et al. **Biochim Biophys Acta** 428(1):223–7, 25 Mar 76

Temperature dependence of water content of stratum corneum. Spencer TS, et al. **Br J Dermatol** 93(2):159–64, Aug 75

Mercury in catfish and bass from the snake river in Idaho. Benson WW, et al. **Bull Environ Contam Toxicol** 15(5):564–7, May 76

Endrin toxicity and distribution in freshwater: a review. Grant BF. **Bull Environ Contam Toxicol** 15(3):283–90, Mar 76

Distribution of hexachlorobenzene and hexachlorobutadiene in water, soil, and selected aquatic organisms along the lower Mississippi river, Louisiana. Laska AL, et al. **Bull Environ Contam Toxicol** 15(5):535–42, May 76

Analysis of volatile, halogenated organics in water by direct aqueous injection–gas chromatography. Nicholson AA, et al. **Bull Environ Contam Toxicol** 14(4):453–6, Oct 75

Residues of trichlorfon and lauroyl trichlorfon in douglas–fir, willow, grass, aspen foliage, and in creek water after aerial application. Pieper GR, et al. **Bull Environ Contam Toxicol** 15(2):250–6, Feb 76

Removal of pesticides in water of Rio de la Plata (in vitro assay). Pollero R, et al. **Bull Environ Contam Toxicol** 15(5):617–22, May 76

Effects of suspended material on measurement of DDT in estuarine water. Wilson AJ. **Bull Environ Contam Toxicol** 15(5):515–21, May 76

Contamination of tap water by lead pipe and solder. Wong CS, et al. **Bull Environ Contam Toxicol** 15(5):530–4, May 76

Persistence of BHC in river water in the Kitakyushu district, Japan, 1970–1974. Yamato Y, et al. **Bull Environ Contam Toxicol** 14(3):380–4, Sep 75

Water for injection USP XIX by reverse osmosis. Frith CF, et al. **Bull Parenter Drug Assoc** 30(3):118–27, May–Jun 76

Relationship between various bacterial populations and coprostanol and cholesterol. Dutka BJ, et al. **Can J Microbiol** 21(9):1386–98, Sep 75

Measuring water content of feces by the Karl Fischer method. Jensen R, et al. **Clin Chem** 22(8):1351–4, Aug 76

Physiocochemical structure of bone. Robinson RA. **Clin Orthop** (112):263–315, Oct 75

The water–to–air transfer of 35SO4= by bursting bubbles. Miller CW, et al. **Environ Lett** 10(1):1–12, 1975

Analysis of river water and drinking water from seven European countries. Anders G. **Environ Qual Saf [Suppl]** 4:143–56, 1975

Determination of methoprene (Altosid) insect growth regulator in waters, soils, plants, and animals by gas chromatography. Miller WW. **Environ Qual Saf [Suppl]** 3:105–9, 1975

The influence of hardness components (Ca2+ and Mg2+) in water on the uptake and concentration of cadmium in a simulated freshwater ecosystem. Kinkade ML, et al. **Environ Res** 10(2):308–13, Oct 75

Monitoring river water to control purity of dune recharge water. pp. 126–47. Drost G. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Movement and compartmentation of nickel and copper in an aquatic ecosystem. pp. 89–105. Hutchinson TC, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Analysis of soluble organic constituents in natural and process waters by high–pressure liquid chromatography. pp. 247–53. Jolley RL, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Selenium in rainwater of the United States and Denmark. Kubota J, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

The use of aquatic macrophytes as indicators of trace metal contamination in fresh water lakes. pp. 157–67. Mayes R, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Trace elements in soils and surface waters contaminated by past metalliferous mining in parts of England. pp. 77–88. Thornton I, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

Use of variations in the natural abundance of 15N to study sources, transformations and movement of nitrogen in a plant–soil–water system. pp. 77–104. Shearer G, et al. **In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.** (48 ref.)

Changes in chemical & fatty acid composition during the last phase of maturation of seeds of two Indian mustard cultivars Brassica juncea Coss. Das Gupta SK. **Indian J Biochem Biophys** 11(3):263–4, Sep 74

Growth and development in different regions of human fetal brain: changes in wet weight, moisture content and nucleic acids. Subba Rao K, et al. **Indian J Med Res** 64(1):144–53, Jan 76

Conversion of water to a counting gas for low–level tritium measurements by means of aluminium carbide. Siegenthaler U, et al. **Int J Appl Radiat Isot** 26(8):459–64, Aug 75

A defensible maximum for inorganic sulfate in drinking water of cattle. Digesti RD, et al. **J Anim Sci** 42(6):1498–502, Jun 76

Residues of methoxychlor and other chlorinated hydrocarbons in water, sand, and selected fauna following injections of methoxychlor black fly larvicide into the Saskatchewan River, 1972. Fredeen FJ, et al. **Pestic Monit J** 8(4):241–6, Mar 75

Seasonal concentrations of dieldrin in water, channel catfish, and catfish–food organisms, Des Moines River, Iowa—1971–73. Kellogg RL, et al. **Pestic Monit J** 9(4):186–94, Mar 76

Insecticide residues in the Tuttle Creek Reservoir Ecosystem, Kansas–1970–71. Klaassen HE, et al. **Pestic Monit J** 9(2):89–93, Sep 75

Analysis of various Iowa waters for selected pesticides: atrazine, DDE, and dieldrin–1974. Richard JJ, et al. **Pestic Monit J** 9(3):117–23, Dec 75

Total mercury in water, sediment, and selected aquatic organisms, Carson River, Nevada—1972. Richins RT, et al. **Pestic Monit J** 9(1):44–54, Jun 75

Proton magnetic resonance (PMR) studies of water in dimethyl sulfoxide perfused rat myocardium. Malinin TI, et al. **Physiol Chem Phys** 8(1):71–5, 1976

An association of hardness of water with incidence of fatty liver syndrome in laying hens. Jensen LS, et al. **Poult Sci** 55(2):719–24, Mar 76

Total water content in different areas of the human term placenta. Sala MA, et al. **Reproduccion** 2(2):185–7, Apr–Jun 75

The effects of changes in pH and PCO2 in blood and water on breathing in rainbow trout, Salmo gairdneri. Janssen RG, et al. **Respir Physiol** 25(2):235–45, Nov 75

Calcium content of river water, trace element concentrations in toenails, and blood pressure in village populations in New Guinea. Masironi R, et al. **Sci Total Environ** 6(1):41–53, Jul 76

A simulation of the oxygen profile in the Han River. Chung Y. **Yonsei Med J** 16(1):29–39, 1975

Determination of water by infra red spectroscopy. Pařízková H. **Z Lebensm Unters Forsch** 156(4):193–5, 13 Nov 74 (Eng. Abstr.)

[Study of dental caries in children drinking water with a high content of magnesium] Vejrosta Z, et al. **Cesk Stomatol** 75(5):346–53, Sep 75 (Eng. Abstr.) **(Cze)**

[Determination of residual humidity in lyophilized vaccines] Bervelt E, et al. **J Biol Stand** 3(3):321–30, 1975 **(Fre)**

[Determination of residual moisture in lyophilized vaccines by the Karl Fischer reagent. Technic and causes of errors] Caisey P, et al. **Rev Elev Med Vet Pays Trop** 28(4):459–62, 1975 (Eng. Abstr.) **(Fre)**

[Heavy metals in sediments of Elbe near Stade: changes since 1973] Müller G, et al. **Naturwissenschaften** 63(5):242–3, May 76 **(Ger)**

[Determination of intravascular and extravascular lung water after open heart surgery (author's transl)] Sorensen HR, et al. **Thoraxchirurgie** 23(4):379–83, Aug 75 (Eng. Abstr.) **(Ger)**

[Method of analysis of the hydroelectrolitic composition of skin and skeletal muscle, experimental study in rats]

Gonçalez Y, et al. **Rev Hosp Clin Fac Med Sao Paulo** 31(2):116–22, Mar–Apr 76 (Eng. Abstr.) **(Por)**

[Amino acid composition of protein substances in the 'accumulation water' of amphibian larvae] Stepanova EL. **Dokl Akad Nauk SSSR** 225(6):1426–9, 21 Dec 75 **(Rus)**

[Amino acid composition of the water in natural reservoirs] Stepanova ZL. **Dokl Akad Nauk SSSR** 227(2):475–6, 11 Mar 76 **(Rus)**

[Coment on the article by V. D. Vankhanen, A. A. Shaptala and V. A. Shaptala: 'Method of Determination of the Requirements of the Human Body for Water'] Afanas'ev BG. **Gig Sanit** (5):94–6, May 76 **(Rus)**

[Determination of nitrates in water] Fradkin BI. **Gig Sanit** (6):94–5, Jun 76 **(Rus)**

[The prognosis of pesticides' stability in the water, soil and plants] Goncharuk EI, et al. **Gig Sanit** (10):18–22, Oct 75 (Eng. Abstr.) **(Rus)**

[High-speed volumetric method of determining fluorine in water] Ivanova AT, et al. **Gig Sanit** (6):57–9, Jun 76 **(Rus)**

[Determination of copper in water with 'picramin-epsilon' reagent] Khristianova LA, et al. **Gig Sanit** (2):115–6, Feb 75 **(Rus)**

[Extraction-photometric determination of mercury in soils and waters] Kish PP, et al. **Gig Sanit** (11):74–6, Nov 75 **(Rus)**

[Spectrophotometric determination of isoprene and neozone-D in the water] Krotova ZA. **Gig Sanit** (4):61–3, Apr 75 **(Rus)**

[Hygienic standardization of the content in water of monisobutylamine and diisobutylamine in their conbined action] Kuklina MN, et al. **Gig Sanit** (4):39–41, Apr 75 (Eng. Abstr.) **(Rus)**

[The survival of certain microorganisms in ordinary water and melted snow] Lastkov OA, et al. **Gig Sanit** (4):100–1, Apr 75 **(Rus)**

[Hygienic problems in prognosis of changes in the quality of ground waters in case of their enrichment with surface waters] Novikov IuV, et al. **Gig Sanit** (4):74–8, Apr 75 **(Rus)**

[Determination of mezoranil in water, soil and plant material by a thin-layer chromatographic method] Petrosian MS, et al. **Gig Sanit** (2):75–6, Feb 75 **(Rus)**

[The maximum permissible concentration of lead in water bodies] Sadilova MS, et al. **Gig Sanit** (5):101–2, May 75 **(Rus)**

[Determination of tetramethylthiuram disulfide (TMTD) in water and air by a colorimetric method] Semukhina GV. **Gig Sanit** (2):74–5, Feb 75 **(Rus)**

[The effect of polyvinylchloride on water microorganisms] Sheftel' VO, et al. **Gig Sanit** (4):99–100, Apr 75 **(Rus)**

[Hygienic substantiation of the maximum permissible concentration of tin tributylmetacrylate in water bodies] Tsai VN. **Gig Sanit** (4):42–5, Apr 75 (Eng. Abstr.) **(Rus)**

[NMR spin-echo study of the lyophilized biomass of Candida utilis yeasts at different growth stages] Aksenov SI, et al. **Mikrobiologiia** 44(3):546–51, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Determination of ialan and propanid in water and fish] Metelev VV, et al. **Veterinariia** (9):106–8, Sep 75 **(Rus)**

DIAGNOSTIC USE

Diagnostic value of the water-drinking test in early detection of simple glaucoma. Rasmussen KE, et al. **Acta Ophthalmol (Kbh)** 54(2 p):160–6, Apr 76

Consecutive water provocative tests in normal and glaucomatous Beagles. Gelatt KN, et al. **Am J Vet Res** 37(3):269–73, Mar 76

Measurement of regional pulmonary oedema in man using radioactive water (H215O). Fazio F, et al. **Br J Radiol** 49(581):393–7, May 76

The De Carvalho and acid-barium tests in the demonstration of an unsuspected gastro-oesophageal reflux and its related oesophagitis. Govoni AF. **Radiol Clin (Basel)** 44(5):424–31, 1975

ISOLATION & PURIFICATION

Cost considerations in the selection of a water purification system. Everett NA. **Bull Parenter Drug Assoc** 30(4):196–200, Jul–Aug 76

Reverse osmosis – a process in the purification of water for parenteral administration. Klumb GH. **Bull Parenter Drug Assoc** 29(5):261–8, Sep–Oct 75

Thermocompression water stills. Otten G. **Bull Parenter Drug Assoc** 30(1):21–5, Jan–Feb 76

METABOLISM

Effect of rehydration of rat liver tissue after water deprivation. Bartók I, et al. **Acta Morphol Acad Sci Hung** 23(2):145–55, 1975

The effect of ethoxyquin on the intestinal transport of glucose and water in vitro. Skaare JU. **Acta Pharmacol Toxicol (Kbh)** 38(2):174–6, Feb 76

Absorption of labelled metrizamide, diatrizoate, inulin and water from cerebrospinal fluid to blood. A pharmacokinetic investigation in cats with normal and impaired renal function. Golman K, et al. **Acta Radiol [Suppl] (Stockh)** (335):276–85, 1973

Effect of dietary nitrogen level on electrolyte and water metabolism in sheep. Juhász B, et al. **Acta Vet Acad Sci Hung** 24(4):443–50, 1974

Potassium effects on transport of amino acids, inorganic ions, and water: ontogenetic and quantitative differences. Hertz L. **Adv Exp Med Biol** 69:371–83, 1976 (56 ref.)

Effect of volatile fatty acids on water and ion absorption from the goat colon. Argenzio RA, et al. **Am J Physiol** 229(4):997–1002, Oct 75

PAH transport and fluid absorption by isolated perfused frog proximal renal tubules. Irish JM 3d, et al. **Am J Physiol** 230(6):1509–16, Jun 76

Permeability of dog lung endothelium to sodium, diols, amides, and water. Perl W, et al. **Am J Physiol** 230(6):1708–21, Jun 76

Blood–brain barrier permeability of 11C-labeled alcohols and 15O-labeled water. Raichle ME, et al. **Am J Physiol** 230(2):543–52, Feb 76

An examination of transcapillary water flux in renal inner medulla. Sanjana VM, et al. **Am J Physiol** 231(2):313–8, Aug 76

Effect of prolactin on diluting and concentrating ability in the rat. Wallin JD, et al. **Am J Physiol** 230(6):1524–30, Jun 76

A possible explanation for postoperative diarrhea after colostomy closure. Tilson MD, et al. **Am J Surg** 131(1):94–7, Jan 76

Pulmonary artery pressure and lung water during extracorporeal circulation in experimental pulmonary insufficiency. Brandt B, et al. **Ann Thorac Surg** 20(3):308–15, Sep 75

Mass transport across cell membranes: the effects of antidiuretic hormone on water and solute flows in epithelia. Andreoli TE, et al. **Annu Rev Physiol** 38:451–500, 1976 (261 ref.)

Changes in the water and sodium permeability of amphibian skin in the presence of the efferent plasma of 'dehydrated dog kidney'. Tost H, et al. **Arch Int Physiol Biochim** 83(4):691–8, Oct 75

Rates of passage of digesta and water absorption along the larg intestines of sheep, cows and pigs. Hecker JF, et al. **Aust J Biol Sci** 28(2):161–7, Apr 75

Photolysis of water coupled to nitrate reduction by Nostoc muscorum subcellular particles. Ortega T, et al. **Biochem Biophys Res Commun** 71(3):885–91, 9 Aug 76

Mobility of water bound to biological membranes. A proton NMR relaxation study. Finch ED, et al. **Biochim Biophys Acta** 406(1):146–54, 16 Sep 75

Characteristics of thermoluminescence bands of intact leaves and isolated chloroplasts in relation to the water-splitting activity in photosynthesis. Ichikawa T, et al. **Biochim Biophys Acta** 408(3):228–39, 11 Dec 75

Multiple-flash activation of the water-photolysis system in wheat leaves as observed by delayed emission. Inoue Y. **Biochim Biophys Acta** 396(3):402–13, 8 Sep 75

Water exchange between red cells and plasma. Measurement by nuclear magnetic relaxation. Fabry ME, et al. **Biophys J** 15(11):1101–10, Nov 75

Ionic constituents and osmolality of the small intestinal fluids of the laying hen. Mongin P. **Br Poult Sci** 17(4):383–92, Jul 76

Studies of neonatal calf diarrhoea. III. Water balance studies in neonatal salmonellosis. Fisher EW, et al. **Br Vet J** 131(6):643–52, Nov–Dec 75

[H] Tryptamine and 3H-water as diffusible internal standards for measuring brain extraction of radio-labeled substances following carotid injection. Oldendorf WH, et al. **Brain Res** 113(1):219–24, 20 AUG 76

The effects of hydroxylated derivatives of vitamin D3 and of extracts of solanum malacoxylon on the absorption of calcium, phosphate and water from the jejunum of pigs. Fox J, et al. **Calcif Tissue Res** 21 Suppl:147–52, Aug 76

Accuracy of the tritium water dilution method for determining water flux in reindeer(Rangifer tarandus). Cameron RD, et al. **Can J Zool** 54(6):857–62, Jun 76

Effect of exercise on dilution estimates of extravascular lung water and on the carbon monoxide diffusing capacity in normal adults. Goresky CA, et al. **Circ Res** 37(3):379–89, Sep 75

Intestinal absorption of water and electrolytes. Sidorov JJ. **Clin Biochem** 9(3):117–20, Jun 76

Interrelationships between water and metabolism in Artemia cysts—III. Respiration. Clegg JS. **Comp Biochem Physiol [A]** 53(1):89–93, Jan 76

Interrelationships between water and metabolism in Artemia cysts—II. Carbohydrates. Clegg JS. **Comp Biochem Physiol [A]** 53(1):83–7, Jan 76

The effects of prolactin, cortisol and calcium-free environment on water influx in isolated gills of Japanese eel, Anguilla japonica. Ogawa M. **Comp Biochem Physiol [A]** 52(3):539–43, 1 Nov 75

Water metabolism in the llama. Rübsamen K, et al. **Comp Biochem Physiol [A]** 52(4):595–8, 1 Dec 75

Water transport across peritrophic membranes of Calliphora erythrocephala—VII. Zimmermann U, et al. **Comp Biochem Physiol [A]** 55(2a):119–26, 1976

Effect of ethacrynic acid on water transfer and sodium transfer across human peritoneal membrane. Knapowski J, et al. **Curr Probl Clin Biochem** 4:126–30, 1975

Water and sodium excretion during extracellular fluid volume expansion in hereditary diabetes insipidus rats. Ponec J, et al. **Curr Probl Clin Biochem** 4:237–9, 1975

Changes in urea clearance after a single dose of diuretics during water diuresis. Stříbrná J, et al. **Curr Probl Clin Biochem** 4:140–8, 1975

Inhibition of bile acid and water absorption by phenethylbiguanide in rat ileum in vivo. Caspary WF, et al. **Digestion** 12(3):179–82, 1975

Nuclear magnetic resonance studies in normal and edematous brain tissue. Bakay L, et al. **Exp Brain Res** 23(3):241–8, 29 Sep 75

Alternative methods of animal sacrifice: the effect on intestinal function in vitro. Johnson IT. **Experientia** 32(3):347–8, 15 Mar 76

Reaction kinetics for positive charge accumulation on the water side of chloroplast photosystem II. Babcock GT, et al. **FEBS Lett** 61(2):286–9, 15 Jan 76

Neurosecretion and water balance in the house cricket Acheta domesticus L. Gelidiay S, et al. **Gen Comp Endocrinol** 28(2):163–70, Feb 76

Growth of the pig: patterns of changes in electrolytes, water, and protein. Chuntananukoon S, et al. **Growth** 40(1):99–106, Mar 76

Stimulation of water and sodium secretion and inhibition of glucose absorption from the rat jejunum during intraarterial infusions of prostglandins. Coupar IM, et al. **Gut** 16(10):759–65, Oct 75

A 'bootstrap' model of water conservation by juxta medullary (JM) nephrons. p. 147. Britton KE, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Sodium and water transport in the urinary bladder of the developing foetal sheep. p. 159. France VM, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Pathways and driving forces for salt and water absorption from rat kidney proximal tubule. pp. 15–26. Frömter E. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

The role of luminal hydrostatic pressure on proximal tubular fluid reabsorption in the rat. p. 162. Grandchamp A, et al. **In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.**

Water and electrolytes of exocrine secretions. pp. 179–91. Dearborn DG. **In: Mangos JA, Talamo RC, ed. Cystic fibrosis: projections into the future. New York, Stratton, 1976. WI 820 C9995 1976.** (69 ref.)

The interrelationships between the in situ fluxes of water, electrolytes and glucose by Hymenolepis diminuta. Podesta RB, et al. **Int J Parasitol** 6(2):163–72, Apr 76

Effects of solutes on the swelling pressure of the corneal stroma. Wiley T, et al. **Invest Ophthalmol** 14(9):684–8, Sep 75

Osmotic behavior and permeability of osmotically lysed mitochondria. Bowman CL, et al. **J Cell Biol** 70(2 pt 1):348–57, Aug 76

Interrelationships between water and cellular metabolism in Artemia cysts. IV. Adenosine 5'-triphosphate and cyst hydration. Clegg JS, et al. **J Cell Physiol** 88(2):159–66, Jun 76

Effect of renal sympathetic nerve stimulation on proximal water and sodium reabsorption. Bell-Reuss E, et al. **J Clin Invest** 57(4):1104–7, Apr 76

Effects of cadmium of the hydro-osmotic and natriferic responses to the toad bladder to vasopressin. Bentley PJ, et al. **J Endocrinol** 66(2):273–8, Aug 75

Proceedings: Water and sodium accumulation in rabbits after administration of prolactin. Burstyn PG. **J Endocrinol** 68(3):15P, Mar 76

The effects of calcium on water balance of the brown trout Salmo trutta. Oduleye SO. **J Exp Biol** 63(2):343–56, Oct 75

Water and nonelectrolyte permeability of lipid bilayer membranes. Finkelstein A. **J Gen Physiol** 68(2):127–35, Aug 76

Nature of the water permeability increase induced by antidiuretic hormone (ADH) in toad urinary bladder and related tissues. Finkelstein A. **J Gen Physiol** 68(2):137–43, Aug 76

Models for coupling of salt and water transport; Proximal tubular reabsorption in Necturus kidney. Sackin H, et al. **J Gen Physiol** 66(6):671–733, Dec 75 (53 ref.)

Water exchange and effect of water vapour activity on metabolic rate in the dust mite, Dermatophagoides. Arlian LG. **J Insect Physiol** 21(8):1439–42, Aug 75

Water balance during vitellogenesis by the American cockroach:distribution of water during the six day cycle. Verrett JM, et al. **J Insect Physiol** 21(11):1841–5, Nov 75

Water balance during vitellogenesis by the American cockroach: effect of frontal ganglionectomy. Verrett JM, et al. **J Insect Physiol** 22(2):251–7, 1976

Dehydration and survival of the European house dust mite, Dermatophagoides pteronyssinus. Arlian LG. **J Med Entomol** 12(4):437–42, 31 Oct 75

Water balance and humidity preference in three species of ticks. Hair JA, et al. **J Med Entomol** 12(1):37–47, 30 Apr 75

A model of NaCl and water flow through paracellular pathways of renal proximal tubules. Huss RE, et al. **J Membr Biol** 23(3–4):305–47, 1975

The influence of dihydroxyanthracene derivatives on water and electrolyte movement in rat colon. Lemmens L, et al. **J Pharm Pharmacol** 28(6):498–501, Jun 76

Proceedings: The relationship between plasma angiotensin II concentrations and fluid transport by rat jejunum in vivo. Bolton JE, et al. **J Physiol (Lond)** 254(1):81P–82P, Jan 76

Effect of bradykinin on transepithelial transfer of sodium and water in vitro. Crocker AD, et al. **J Physiol (Lond)**

253(2):401–10, Dec 75
Chloride and water distribution in human red cells. Dalmark M. **J Physiol (Lond)** 250(1):65–84, Aug 75
A diurnal rhythm in the absorption of glucose and water by isolated rat small intestine. Fisher RB, et al. **J Physiol (Lond)** 254(3):821–5, Jan 76
The effect of hormones and of an osmotic gradient on the structure and properties of mammalian foetal urinary bladder in vitro. France VM, et al. **J Physiol (Lond)** 258(2):393–408, Jun 76
Effect of environmental salinity change on osmotic permeability of the isolated gill of the eel, Anguilla anguilla L. Isaia J, et al. **J Physiol (Paris)** 70(6):737–47, Jan 76
Water transport through plant tissue: the apoplasm and symplasm pathways. Molz FJ. **J Theor Biol** 59(2):277–92, 7 Jul 76
Effect of intraluminal bicarbonate and chloride on fluid absorption by the rat renal proximal tubule. Bank N, et al. **Kidney Int** 9(6):457–66, Jun 76
Antidiuretic hormone and water transfer. Hays RM. **Kidney Int** 9(2):223–30, Feb 76
Some aspects of distal tubular solute and water transport. Hierholzer K, et al. **Kidney Int** 9(2):198–213, Feb 76
Proximal sodium and fluid transport. Windhager EE, et al. **Kidney Int** 9(2):121–33, Feb 76
Catecholamines and renal water excretion. Schrier RW, et al. **Nephron** 15(3–5):186–96, 1975 (33 ref.)
Lithium effects on water metabolism. Singer I. **Neurosci Res Program Bull** 14(2):175–7, Apr 76
A study of the renal handling of water in lipoid nephrosis. Gur A, et al. **Pediatr Res** 10(3):197–201, Mar 76
Effect of chronic salt and water loading on the tubular defects of a child with Fanconi syndrome (cystinosis). Arant BS, et al. **Pediatrics** 58(3):370–7, Sep 76
Water balance of the hen during egg formation. Howard BR. **Poult Sci** 54(4):1046–53, Jul 75
Model of solute and water movement in the kidney. Stephenson JL, et al. **Proc Natl Acad Sci USA** 73(1):252–6, Jan 76
Effect of parenteral acetazolamide on intestinal absorption of salt and water in man. Gerson CD, et al. **Proc Soc Exp Biol Med** 149(4):950–2, Sep 75
Salmon calcitonin and water and electrolyte transport in rabbit ileum. Gray TK, et al. **Proc Soc Exp Biol Med** 150(1):151–4, Oct 75
Studies on the effects of alcohols on membrane water permeability of Nitella. Kiyosawa K. **Protoplasma** 86(1–3):243–52, 1975
Plasma renin activity, water excretion and the decay of injected hormones and hormonal effects in rats with protein energy malnutrition. van der Westhuysen JM, et al. **S Afr Med J** 49(43):1799–803, 11 Oct 75
Cardiovascular and renal responses to acute cold exposure in water-loaded man. Atterhög JH, et al. **Scand J Clin Lab Invest** 35(4):311–7, Jul 75
Letter: Exchange of water during lactation. Friedman MI, et al. **Science** 191(4225):409–10, 30 Jan 76
What retains water in living cells? Ling GN, et al. **Science** 191(4224):293–5, 23 Jan 76
Effect of treatment with cannabis extract on the water and glycogen contents of the uterus in normal and estradiol-treated prepubertal rats. Charavarty I, et al. **Toxicol Appl Pharmacol** 34(3):513–6, Dec 75
[Sodium and water transport mechanisms in amphibian epithelial cells and isolated renal tubules] De Sousa RC. **J Physiol (Paris)** 71(1):5A–71A, Jun 75 **(Fre)**
[Water balance in the european eel (Anguilla anguilla L.). Role of the oesophagus in the utilisation of drinking water and a study of the osmotic permeability of the gills (author's transl)] Kirsch R, et al. **J Physiol (Paris)** 70(5):605–26, Dec 75 (Eng. Abstr.) **(Fre)**
[Infusion therapy today. 2. Disorders of sodium and water balance. Pathophysiology, diagnosis and therapy] Gofferje H. **Med Welt** 27(18):879–83, 30 Apr 76 **(Ger)**
[Disturbances of Free Water and Electrolyte Metabolism: Three large groups are differentiated] Brod J, et al. **Munch Med Wochenschr** 118(13):383–90, 26 Mar 76 (Eng. Abstr.) **(Ger)**
[Proceedings: Effect of colchicine on water and electrolyte transport of the bladder membrane of the bullfrog] Yuasa S, et al. **J Physiol Soc Jpn** 36(8–9):354, 1 Sep 74 **(Jpn)**
[Model studies on sodium and water transport in isolated amphibian epithelia] Tyrakowski T, et al. **Postepy Hig Med Dosw** 30(3):347–71, May–Jun 76 **(Pol)**
[Metabolic response to trauma: potassium and water content in skeletal muscles] Pareja JC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(3):182–5, May–Jun 75 (Eng. Abstr.) **(Por)**
[Water metabolism under conditions of a strict 49-day bed regimen with an antiorthostatic posture of the test subjects] Kovalenko EA, et al. **Patol Fiziol Eksp Ter** (5):64–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Study of the relationship between the free water fraction in dried Candida utilis and the phosphorus content of cells] Nikitin VA, et al. **Prikl Biokhim Mikrobiol** 11(4):495–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[State of water metabolism in tetanus] Vronskiĭ AF. **Vrach Delo** (1):133–7, Jan 76 (Eng. Abstr.) **(Rus)**
[Effect of proteins and urea on the renal concentrating ability after chronic water deprivation] Bergmann F, et al. **Medicina (B Aires)** 35(3):279–86, May–Jun 75 (Eng. Abstr.) **(Spa)**
[Correlation between the biological half-life of tritiated water and the body surface area in man. Preliminary report] Muñoz Acevedo E, et al. **Prensa Med Mex** 40(9–10):282–4, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Photoperiodic time measurement of flowering in a short-day-plant: effects of the external medium. pp. 666–70. Halaban R, et al. **In: Scheving LE, et al., ed. Chronobiology. Tokyo, Igaku Shoin, 1974. QT 167 C557 1971.**
Failure of oral water loading and intravenous hypotonic saline to suppress plasma prolactin in man. Adler RA, et al. **J Clin Endocrinol Metab** 41(2):383–9, Aug 75
Effect of an oral water load on serum TSH in normal subjects, and on TSH and prolactin response to thyrotropin-releasing hormone (TRH) in patients with primary hypothyroidism. Wartofsky L, et al. **J Clin Endocrinol Metab** 41(4):784–7, Oct 75
Reduction in dentin wear resistance by irradiation and effects of storage in aqueous media. Davis WB. **J Dent Res** 54(5):1078–81, Sep–Oct 75
The effect of hypophysectomy and prolactin therapy on water balance of the brown trout Salmo trutta. Oduleye SO. **J Exp Biol** 63(2):357–66, Oct 75
Membrane resistance change of the frog taste cells in response to water and Nacl. Sato T, et al. **J Gen Physiol** 66(6):735–63, Dec 75 (55 ref.)
Water-treated stimulatory cells in the unidirectional mixed lymphocyte culture. Quadracci LJ, et al. **Transplantation** 21(2):171–3, Feb 76
[Effects of water with a low mineral content on serum electrolytes and blood pressure] Matzkies F. **Fortschr Med** 93(35–36):1784–6, 18 Dec 75 (Eng. Abstr.) **(Ger)**
[Effect of the water environment on morphological and physiological features of E. coli] Daubner I. **Z Gesamte Hyg** 20(11):771–6, Nov 74 (Eng. Abstr.) **(Ger)**
[Comparative investigations on the efficacy of tap water, some detergents and ethanol on the transient flora of the hands (author's transl)] Mittermayer H, et al. **Zentralbl Bakteriol [Orig B]** 160(2):163–72, Mar 75 (Eng. Abstr.) **(Ger)**
[Study of the action of drinking water with a varying mineral makeup in a sanitary, gerontological experiment] Gabovich RD, et al. **Gig Sanit** (9):26–31, Sep 75 (Eng. Abstr.) **(Rus)**
[Experimental and clinical physiological data to substantiate lower levels of mineralization of desalinated drinking water] Rakhmanin IuA, et al. **Gig Sanit** (7):16–22, Jul 75 (Eng. Abstr.) **(Rus)**
[Vitamin biosynthesis by germinating seeds at low temperature and in overmoistened soil] Salnikov AI. **Prikl Biokhim Mikrobiol** 11(6):885–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Primary production of oxygen from irradiated water as an explanation for decreased radiobiological oxygen enhancement at high LET. Baverstock KF, et al. **Nature** 260(5549):316–8, 25 Mar 76
Letter: Temperature-dependent high-pressure argon effect on the radiolysis of water. Alkaitis SA, et al. **Radiat Res** 66(1):180–3, Apr 76
Letter: ESR studies of gamma-irradiated wet DNA. Kominami S, et al. **Radiat Res** 67(1):173–7, Jul 76
A model for energy deposition in liquid water. Kutcher GJ, et al. **Radiat Res** 67(3):408–25, Sep 76
[The effect of high energy radiation on a polyethyleneglycol-water-system] Hüttenrauch R, et al. **Pharmazie** 29(11):755–6, 1975 **(Ger)**

STANDARDS

[Hygienic standardization of octylic stabilizors PVC in water bodies] Golovanov OV. **Gig Sanit** (5):36–9, May 75 (Eng. Abstr.) **(Rus)**

WATER DEPRIVATION

Effect of rehydration of rat liver tissue after water deprivation. Bartók I, et al. **Acta Morphol Acad Sci Hung** 23(2):145–55, 1975
Blood changes in water deprived rats. Brazzuna H, et al. **Acta Physiol Lat Am** 25(2):83–8, 1975
Attenuation of dehydrative thirst by lowering of the CSF (Na+). Olsson K. **Acta Physiol Scand** 94(4):536–8, Aug 75
Effects of repeated deprivation of drinking water on the structure of renal medulla of rats. Shimamura T, et al. **Am J Pathol** 84(1):87–92, Jul 76
Hypothalamic supraoptic neurones: rates and patterns of action potential firing during water deprivation in the unanaesthetized monkey. Arnauld E, et al. **Brain Res** 100(2):315–25, 19 Dec 75
Further characterization of the natriuretic factor derived from kidney tissue of volume-expanded rats. Effects on short-circuit current and sodium-potassium-adenosine triphosphatase activity. Hillyard SD, et al. **Circ Res** 38(4):250–5, Apr 76
Water balance of small lactating rodents—II. Concentration and composition of milk of females on ad libitum and restricted water intakes. Baverstock PR, et al. **Comp Biochem Physiol [A]** 53(1):47–52, Jan 76
Effect of water deprivation on antidiuresis in Dipodomys spectabilis and Rattus norvegicus. Randle H, et al. **Comp Biochem Physiol [A]** 54(1):21–6, 1976
Cardiorespiratory patterns, rectal temperature, serum electrolytes and packed cell volume in beef cattle deprived of feed and water. Rumsey TS, et al. **J Anim Sci** 42(5):1227–38, May 76
Inhibition of thermal tachypnoea in rabbits following exposure to cold and water deprivation. Maskrey M, et al. **J Physiol (Lond)** 252(2):481–90, Nov 75
Environmental factors and reproduction in the female hopping mouse, Notomys alexis. Breed WG. **J Reprod Fertil** 45(2):273–81, Nov 75
Effect of environment on ovarian activity of wild hopping mice (Notomys alexis). Breed WG. **J Reprod Fertil** 47(2):395–7, Jul 76
The influence of age on the renal response to water deprivation in man. Rowe JW, et al. **Nephron** 17(4):270–8, 1976
Plasma angiotensin II levels and water intake following beta-adrenergic stimulation, hypovolemia, cellular dehydration and water deprivation. Abdelaal AE, et al. **Pharmacol Biochem Behav** 4(3):317–21, Mar 76
Pitressin-induced inhibition of drinking following water deprivation in the SWR/J mouse. Schmalbach NL, et al. **Pharmacol Biochem Behav** 4(2):203–5, Feb 76
Effects of phenobarbital on saccharin and citric acid intake in fluid deprived rats. Wayner MJ, et al. **Pharmacol Biochem Behav** 4(3):335–7, Mar 76
Self-stimulation thresholds and dorso-ventral variation in the lateral hypothalamus in mouse: effects of food and water deprivation. Cazala P, et al. **Physiol Behav** 16(2):125–9, Feb 76
Effects of water deprivation, NaCl injection, and seven aversive taste stimuli on drinking in two normal mouse strains and one with diabetes insipidus. Kutscher CL, et al. **Physiol Behav** 15(6):659–67, Dec 75
Serum biochemical and changes in rats deprived of food or water for 24 h. Jenkins FP, et al. **Proc Nutr Soc** 34(2):37A, Sep 75
Effects of limiting water intake on the rat estrous cycle with observations on LH, prolactin, and corticosterone. Baldwin DM, et al. **Proc Soc Exp Biol Med** 151(3):471–4, Mar 76
Fluid restriction before excretory urography. Dure-Smith P. **Radiology** 118(2):487–9, Feb 76
Bromosulphthalein clearance and total bilirubin level in cows deprived of food and water. Cakala S, et al. **Zentralbl Veterinaermed** [A] 22(7):605–10, Sep 75
[Water deficiency and dehydration] Glatzel H. **Ther Ggw** 114(5):762–80, May 75 **(Ger)**

WATER-ELECTROLYTE BALANCE

see related
OSMOLAR CONCENTRATION
WATER INTOXICATION

The ventromedial nucleus of the hypothalamus of sheep (Ovis aries) and the effects on food and water intake following its electrolytic destruction. Tarttelin MF. **Acta Anat (Basel)** 94(2):248–61, 1976
Renal control of sodium and fluid balance in newborn infants during intravenous maintenance therapy. Aperia A, et al. **Acta Paediatr Scand** 64(5):725–31, Sep 75
The effect of chronic physical overload on skeletal muscle metabolism and adrenocortical activity. Körge P, et al. **Acta Physiol Acad Sci Hung** 45(1–2):41–51, 1974
Evidence for the periventricular localization of the hypothalamic osmoreceptors. Rodríguez EM, et al. **Acta Physiol Lat Am** 24(5):414–8, 1974
Effect of cold exposure of free water reabsorption in hydropenic man. Wallenberg LR. **Acta Physiol Scand** 95(1):21–5, Sep 75
Effects of stimulation of nonmedullated cardiac afferents on renal water and sodium excretion. Wennergren G, et al. **Acta Physiol Scand** 97(2):261–3, Jun 76
Osmolar control of the circulation in hemorrhagic hypotension. An experimental study in the cat. Järhult J. **Acta Physiol Scand [Suppl]** (423):1–84, 1975
Corneal water and electrolyte content following storage in moist chamber and MK medium. Hull DS, et al. **Am J Med Sci** 272(1):778–80, Jul–Aug 76
Intracellular osmoregulatory role of amino acids and urea in marine elasmobranchs. Forster RP, et al. **Am J Physiol** 230(4):925–31, Apr 76
Mineralocorticoid activity of 18-OH-DOC and DOCA in dogs with an aortic-caval fistula. Lohmeier TE, et al. **Am J Physiol** 231(1):56–60, Jul 76
Effect of prolonged angiotensin II infusion on thirst. Trippodo NC, et al. **Am J Physiol** 230(4):1063–6, Apr 76
The effects of changes of water balance on the renal pelvic epithelium of the rat. Khorshid MR, et al. **Anat Anz** 138(1–2):69–77, 1975
Letter: Reset osmostat in hyponatremia. Michelis MF. **Ann Intern Med** 85(3):403–4, Sep 76
Kidney. Orloff J, et al. **Annu Rev Physiol** 33:83–130, 1971 (212 ref.)
Water exchange in rats exposed to cold, hypoxia, and both combined. Fregly MJ, et al. **Aviat Space Environ Med** 47(6):600–7, Jun 76
Metabolic and endocrine studies: the second manned Skylab mission. Leach CS, et al. **Aviat Space Environ Med** 47(4):402–10, Apr 76
Chloride and osmotic balance in the euryhaline sipunculid Phascolosoma arcuatum from a Malaysian mangrove swamp. Green JP, et al. **Biol Bull** 150(2):211–21, Apr 76

Heart and scaphognathite rate changes in a euryhaline crab, Carcinus maenas, exposed to dilute environmental medium. Hume RI, et al. **Biol Bull** 150(2):241–54, Apr 76

Osmotic behavior of normal and leukemic lymphocytes. Ben-Sasson S, et al. **Blood** 46(6):891–9, Dec 75

Letter: Postoperative fluid and electrolyte requirements. **Br J Anaesth** 47(9):1030–2, Sep 75

Fluid balance at the bedside. Staunton MD. **Br J Clin Pract** 29(12):331–3, Dec 75

The role of energy and fluid imbalance in weight changes found during field work in Antarctica. Boyd JJ. **Br J Nutr** 34(2):191–200, Sep 75

Letter: Fluid therapy in malaria. Sitprija V. **Br Med J** 1(6024):1532, 19 Jun 76

Perturbations in fluid balance induced by medially placed forebrain lesions. Andersson B, et al. **Brain Res** 99(2):261–75, 5 Dec 75

Electrolyte distribution in toad sciatic nerve and spinal cord. Astrada CA, et al. **Brain Res** 98(2):279–89, 14 Nov 75

Coupling of water to solute movement in isolated gastric mucosa. Durbin RP. **Ciba Found Symp** (38):161–77, 1976

Transport of ions and water across the epithelium of fish gills. Maetz J. **Ciba Found Symp** (38):133–59, 1976

Ion transport and water flow in the mammalian lung. Olver RE. **Ciba Found Symp** (38):199–200, 1976

Effect of increased vascular pressure on lung fluid balance in unanesthetized sheep. Erdmann AJ 3d, et al. **Circ Res** 37(3):271–84, Sep 75

Expansion of extracellular space in the nonischemic zone of the infarcted heart and concomitant changes in tissue electrolyte contents in the rat. Polimeni PI, et al. **Circ Res** 37(6):725–32, Dec 75

Fluid and electrolyte metabolism in the newborn infant. Uttley WS, et al. **Clin Endocrinol Metabol** 5(1):3–30, Mar 76 (174 ref.)

Fluid balance, renal function, and blood pressure. Guyton AC, et al. **Clin Nephrol** 4(4):122–6, Oct 75

Overhydratation and renin in hypertensive patients with terminal renal failure: a hemodynamic study. Safar ME, et al. **Clin Nephrol** 4(5):183–8, Nov 75

Hydration of the low birth-weight infant. Roy RN, et al. **Clin Perinatol** 2(2):393–417, Sep 75

Osmoregulation in molluscs of the intertidal zone. Hoyaux J, et al. **Comp Biochem Physiol [A]** 53(4):361–5, 1976

Fluid resuscitation following injury: rationale for the use of balanced salt solutions. Carrico CJ, et al. **Crit Care Med** 4(2):46–54, Mar-Apr 76

The role of albumin and oncotically active fluids in shock. Skillman JJ. **Crit Care Med** 4(2):55–61, Mar-Apr 76

On the problem of dehydration and intracellular crystallization during freezing of cell suspensions. Pushkar NS, et al. **Cryobiology** 13(2):147–52, Apr 76

Effect of pituitary stalk lesion on water and carbohydrate metabolisms in alloxan-diabetic rats. László FA, et al. **Endokrinologie** 63(3):294–303, 1974

On the role of the decreased renal vascular resistance in the mechanism of volume natriuresis. Lichardus B, et al. **Experientia** 32(7):884–5, 1976

Renal kallikrein: its localization and possible role in renal function. Carretero OA, et al. **Fed Proc** 35(2):194–8, Feb 76

Kinins, renal function and blood pressure regulation. Introduction. McGiff JC, et al. **Fed Proc** 35(2):172–4, Feb 76

Interaction of mineralocorticoids, renal prostaglandins and the renal kallikrein-kinin system. Nasjletti A, et al. **Fed Proc** 35(2):189–93, Feb 76 (41 ref.)

Effects of brain removal on integumental water permeability and ion content of the earthworm Lumbricus terrestris L. Carley WW. **Gen Comp Endocrinol** 27(4):509–16, Dec 75

The interrenal gland and ACTH and prolactin cells in the adenohypophysis of Monopterus and their roles in osmoregulations. Chan ST, et al. **Gen Comp Endocrinol** 27(1):95–110, Sep 75

Starling curves as a guide to fluid management in the critically ill. Malin CG, et al. **Heart Lung** 4(4):588–92, Jul-Aug 75

Water and electrolyte requirements during parenteral nutrition. pp. 99–110. Dick W, et al.
In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 I43 1974. (28 ref.)

Aspect of fluid, electrolyte and circulatory problems during anaesthesia for renal transplantation. pp. 400–2. Dhunér KG, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.

Effect of hydration status on the composition and volume of the renal papilla in the rat. pp. 69–78. Atherton JC.
In: Colloque Européen de physiologie rénale. Paris, INSERM, 1974. WJ 300 E89c 1974.

Oral rehydration therapy in diarrhoeal syndrome. pp. 53–62. Di Raimondo F.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.

Fetal renal function and water and electrolyte balance. pp. 120–53. Kleinman LI.
In: Hafez ES, ed. The mammalian fetus: comparative biology and methodology. Springfield, Thomas, 1975. WQ 210 M265 1973. (98 ref.)

Transient effects of low-level microwave irradiation on bioelectric muscle cell properties and on water permeability and its distribution. pp. 93–127. Portela A, et al.
In: Michaelson SM, et al., ed. Fundamental and applied aspects of nonionizing radiation. New York, Plenum Press, 1975. W3 RO6683 1974f.

Prolactin and adaptation. pp. 129–48. Ensor DM.
In: Peaker M, ed. Avian physiology. London, Academic Press, 1975. W1 ZO608 no.35 1975.

Studies on osmoregulation in three trematodes of Rana tigrina. Rao LN. **Indian J Exp Biol** 14(1):61–3, Jan 76

Inhibition of water absorption in the intestine by Staphylococcus aureus delta-toxin. Kapral FA, et al. **Infect Immun** 13(1):140–5, Jan 76

Free amino acids and osmoregulation in penaeid shrimp. Cobb BF 3d, et al. **J Agric Food Chem** 23(6):1172–4, Nov-Dec 75

Muscle water and electrolytes following varied levels of dehydration in man. Costill DL, et al. **J Appl Physiol** 40(1):6–11, Jan 76

Orogastric, hydrational, and behavioral controls of drinking following water deprivation in rats. Hall WG, et al. **J Comp Physiol Psychol** 89(8):939–54, Oct 75

Relationship between absolute body-fluid deficits and fluid intake in the rat. Rabe EF. **J Comp Physiol Psychol** 89(5):468–77, Jul 75

Adrenal insufficiency and the effects of steroid replacement therapy in the tammar wallaby (Macropus eugenii). Bakker HR, et al. **J Endocrinol** 68(3):485–6, Mar 76

Vasotocin-like activity in the plasms of the euryhaline frog (Rana cancrivora) after transfer from fresh water to saline. Elliott AB, et al. **J Endocrinol** 66(3):427–34, Sep 75

Analysis of the role of endogenous prolactin on fluid and sodium chloride absorption by the rat jejunum. Mainoya JR. **J Endocrinol** 67(3):343–9, Dec 75

Sodium extrusion by the sea-water-acclimated fiddler crab Uca pugilator: comparison with other marine crustacea and marine teleost fish. Evans DH, et al. **J Exp Biol** 64(1):203–19, Feb 76

The effects of transecting the IXth and Xth cranial nerves on hydromineral balance in the eel Anguilla anguilla. Mayer-Gostan N, et al. **J Exp Biol** 64(2):461–75, Apr 76

The effects of hypophysectomy, prolactin therapy and environmental calcium on electrolyte balance of the brown trout Salmo trutta, L. Oduleye SO. **J Exp Biol** 64(1):221–31, Feb 76

The effect of pancreatectomy on the survival of Anguilla rostrata in different salinities. Epple A, et al. **J Exp Zool** 193(3):457–62, Sep 75

A preliminary investigation into the roles played by the rectal gland and kidneys in the osmoregulation of the striped dogfish Poroderma africanum. Haywood GP. **J Exp Zool** 193(2):167–75, Aug 75

Comparative physiology of cellular ion and volume regulation. Schmidt-Nielsen B. **J Exp Zool** 194(1):207–19, Oct 75 (37 ref.)

Water regulation by a presumptive hormone contained in identified neurosecretory cell R15 of Aplysia. Kupfermann I, et al. **J Gen Physiol** 67(1):113–23, Jan 76

On the site of decreased fluid reabsorption after release of ureteral obstruction in the rat. Buerkert J, et al. **J Lab Clin Med** 87(3):397–410, Mar 76

Restricted fluid intake. Rational management of the neurosurgical patient. Shenkin HA, et al. **J Neurosurg** 45(4):432–6, Oct 76

Hypochloremic alkalosis. Pathophysiologic problems and suggestions for treatment, illustrated by two cases with pyloric obstruction. Opdahl H. **J Oslo City Hosp** 26(2):17–27, Feb 76

Proceedings: Is prolactin a fluid and electrolyte regulating hormone in man? Cole EN, et al. **J Physiol (Lond)** 252(2):54–55P, Nov 75

Proceedings: Extracellular space changes in Carcinus maenas during adaptation to low environmental salinity. Harris RR. **J Physiol (Lond)** 258(1):31P–32P, Jun 76

Proceedings: Intravascular volume and electrolyte changes with acclimatization to heat in man. Harrison MH. **J Physiol (Lond)** 258(1):30P–31P, Jun 76

Environmental salinity and sodium and chloride exchanges across the gill of Tilapia mossambica. Dharmamba M, et al. **J Physiol (Paris)** 70(5):627–35, Dec 75

Effect of environmental salinity change on osmotic permeability of the isolated gill of the eel, Anguilla anguilla L. Isaia J, et al. **J Physiol (Paris)** 70(6):737–47, Jan 76

Isohydric regulation of plasma potassium by bicarbonate in the rat. Farley DS, et al. **Kidney Int** 9(4):333–43, Apr 76

Water movement across nephron segments involved with the countercurrent multiplication system. Kokko JP, et al. **Kidney Int** 10(1):64–81, Jul 76

The osmoregulation of vasopressin. Robertson GL, et al. **Kidney Int** 10(1):25–37, Jul 76

Cellular aspects of renal sodium transport and cell volume regulation. Whittembury G, et al. **Kidney Int** 9(2):103–20, Feb 76

Letter: Single solution for oral therapy of diarrhoea. Hirschhorn N. **Lancet** 2(7943):1049, 22 Nov 75

The role of angiotensin in thirst. Severs WB, et al. **Life Sci** 17(10):1513–26, 15 Nov 75 (94 ref.)

Fluid and electrolyte therapy. Hartsuck JM. **Major Probl Clin Surg** 17:39–52, 1975

Transport between blood and peripheral lymph in intestine. Hargens AR, et al. **Microvasc Res** 11(1):89–101, Jan 76

A mathematical analysis of fluid movement across capillary walls. Salathe EP, et al. **Microvasc Res** 11(1):1–23, Jan 76

Role of amino acids in osmoregulation of non-halophilic bacteria. Measures JC. **Nature** 257(5525):398–400, 2 Oct 75

The physiological, neurological, and behavioral bases of thirst. Blass EM. **Nebr Symp Motiv** 22:1–47, 1975 (82 ref.)

Lateral preoptic and lateral hypothalamic units: in search of the osmoreceptors for thirst. Weiss CS, et al. **Physiol Behav** 15(6):713–22, Dec 75

Eel esophagus as an osmoregulatory organ. Hirano T, et al. **Proc Natl Acad Sci USA** 73(4):1348–50, Apr 76

Reversal of chronic renal hypertension: role of salt and water excretion. Neubig RR, et al. **Proc Soc Exp Biol Med** 150(1):254–6, Oct 75

Electrolyte equilibrium in normal and pathological conditions of the gastrointestinal tract. Kerpel-Fronius E. **Prog Food Nutr Sci** 1(10):693–716, 1975

Water, sodium, potassium, and electrolyte balance. Krehl WA. **Prog Food Nutr Sci** 1(10):669–91, 1975

Water balance and titrated pain thresholds. Flynn WE, et al. **Psychol Rep** 37(2):487–94, Oct 75

Myocardial cell electrolytes and water during acute ischemia. Regan TJ, et al. **Recent Adv Stud Cardiac Struct Metab** 10:209–16, 1975

Effect of increased venous pressure on the hydrostatic and colloid osmotic pressure in subcutaneous interstitial fluid in rats: edema-preventing mechanisms. Fadnes HO. **Scand J Clin Lab Invest** 36(4):371–7, Jul 76

Water (electrolyte) balance after abdominal therapeutic treatment. Cionini L, et al. **Strahlentherapie** 152(1):78–82, Jul 76

Influence of trauma and sepsis on water and electrolytes of human muscle tissue. Vinnars E, et al. **Surg Forum** 26:16–8, 1975

Physiology of man during a 10-day dry heliox saturation dive (SEATOPIA) to 7 ATA. II. Urinary water, electrolytes, ADH, and aldosterone. Matsuda M, et al. **Undersea Biomed Res** 2(2):119–31, Jun 75

Water and electrolyte balance and kidney function in the sicle cell patient. Addae SK. **West Afr J Pharmacol Drug Res** 1(1):14P–19P, Jan 74

[Electrolyte imbalance in beer drinkers. A specific hypo-osmolarity syndrome] Hilden T, et al. **Ugeskr Laeger** 137(39):2263–6, 22 Sept 75 (Eng. Abstr.) **(Dan)**

[Cerebral fluid balance] Go KG. **Ned Tijdschr Geneeskd** 119(44):1715–21, 1 Nov 75 (Eng. Abstr.) **(Dut)**

[Cytophysiological changes in pituitary gland (pars intermedia) of Carassius auratus L. (Teleostei cyprinidae) during adaptation to hyperosmotic environment] Harrisson F, et al. **Arch Anat Microsc Morphol Exp** 63(4):299–306, Oct-Dec 74 (Eng. Abstr.) **(Fre)**

[Rate of water renewal and water balance in 2 desert rodents Meriones shawii and Meriones libycus, studied in their natural environment in Tunisia] Bradshaw D, et al. **C R Acad Sci [D] (Paris)** 282(5):481–4, 2 Feb 76 **(Fre)**

[The esophagus, osmoregulatory organ of the euryhaline teleost, the eel (Anguilla anguilla L)] Kirsch R, et al. **C R Acad Sci [D] (Paris)** 280(17):2013–5, 5 May 75 **(Fre)**

[Neurosecretion and hydroelectrolytic regulation in Artemia salina (author's transl)] van der Bosch de Aguilar PH. **Experientia** 32(2):228–9, 15 Feb 76 (Eng. Abstr.) **(Fre)**

[Ecophysiological aspects of osmoregulation and genital evolution in Mugilidae in brackish water] Boisseau J, et al. **J Physiol (Paris)** 70(5):669–70, Dec 75 **(Fre)**

[Proximal isosmotic reabsorption by the kidney. Mechanism and regulation] Morel F. **J Physiol (Paris)** 72(4):515–30, 1976 **(Fre)**

[Recent data on mechanisms of urine concentration and dilution] Rouffignac C, et al. **J Physiol (Paris)** 71(2):181A–255A, Nov 75 **(Fre)**

[Evaluation of sectorial fluid movement by measurement of the global impedance of the body. Study during hemodialysis and during treatment with major diuretics] Bolot JF, et al. **Nouv Presse Med** 4(24):1787–91, 14 Jun 75 (Eng. Abstr.) **(Fre)**

[Water-electrolyte re-equilibration in chronic interstitial nephritis] Hayat JC. **Sem Hop Paris** 51(41):2451–7, 16 Oct 75 (Eng. Abstr.) **(Fre)**

[Correlation between the obesity index and isotope dilution measurements of body fluids and electrolytes in normal subjects and in primary hypothyroidism] Lefebvre J, et al. **Strahlentherapie [Sonderb]** 74:239–46, 1975 (Eng. Abstr.) **(Fre)**

[Sodium and water balance and renal function in volume expanded dogs under neuroleptanalgesia (author's transl)] Finsterer U, et al. **Anaesthesist** 24(11):483–90, Nov 75 (Eng. Abstr.) **(Ger)**

[Sodium- and water balance in the dog in the conscious state and under nitrous-oxide and barbiturate anesthesia (author's transl)] Finsterer U, et al. **Anaesthesist** 24(7):306–16, Jul 75 **(Ger)**

[Plasma renin activity, plasma aldosterone and electrolyte balance in the postoperative period (author's transl)] Hackl JM, et al. **Anaesthesist** 24(11):477–82, Nov 75 (Eng. Abstr.) **(Ger)**

[Changes in serum electrolyte concentration and in urinary electrolyte excretion during the infusion of glucose or glucose substitutes] Förster H, et al. **Infusionstherapie** 2(4):240–4, Aug 75 (Eng. Abstr.) **(Ger)**

[The effect of various electrolyte solutions on the water and electrolyte balance during the postoperative phase] Martin E, et al. **Infusionstherapie** 2(5):338–43, Oct 75 (Eng. Abstr.) **(Ger)**

[Physiological basis for the therapy of water, electrolyte and acid-base imbalance in infants and children] Oetliker OH. **Infusionstherapie** 2(1):18–23, Feb 75 (Eng. Abstr.) **(Ger)**

[Infusion therapy today—1. Physiological bases of water-electrolyte balance] Gofferje H. **Med Welt** 27(16):748–51, 16 Apr 76 **(Ger)**

[Carbohydrate administration and electrolyte balance in patients under intensive care] Bertels O, et al. **Z Ernaehrungswiss** 14(4):309–14, Dec 75 (Eng. Abstr.) **(Ger)**

[Bases of infusional therapy. Note. I. Fluid balance] Dómini E, et al. **Arch Sci Med (Torino)** 132(3):126–38, Jul–Sep 75 (Eng. Abstr.) **(Ita)**

[Plasma osmolarity and early weaning] Perrone L, et al. **Pediatria (Napoli)** 82(4):576–82, 31 Dec 74 (Eng. Abstr.) **(Ita)**

[Fluid infusion during and after surgery. 1. Comparison between general and epidural anesthesia] Shimoyama H, et al. **Jpn J Anesthesiol** 25(2):156–63, 10 Feb 76 (Eng. Abstr.) **(Jpn)**

[Complex study of kidney function and electrolyte metabolism in late pregnancy toxemias] Nitsovich RM, et al. **Akush Ginekol (Mosk)** (9):10–2, Sep 75 (Eng. Abstr.) **(Rus)**

[Acid-base equilibrium and its relationship with certain electrolytic and biochemical indicators in late pregnancy toxemias] Tanev AV. **Akush Ginekol (Mosk)** (9):19–21, Sep 75 (Eng. Abstr.) **(Rus)**

[Water-electrolyte homeostasis in late pregnancy toxemias] Vakhnina DA, et al. **Akush Ginekol (Mosk)** (9):15–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Modeling of ion transport. Analysis of possible mechanisms of intracellular osmoregulation] Malenkov AG, et al. **Biofizika** 21(1):70–4, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Effect of hemodilution on water–salt balance under experimental conditions] Iunovidova LI, et al. **Eksp Khir Anesteziol** (3):56–8, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Osmo- and ionic liver receptors] Aizman RI, et al. **Fiziol Zh SSSR** 62(1):128–36, Jan 76 (Eng. Abstr.) **(Rus)**

[Certain changes in the water-electrolyte metabolism in desoxycorticosterone acetate salt hypertension in rats adapted to high altitude hypoxia] Barbarash NA, et al. **Kardiologiia** 15(8):36–43, Aug 75 (Eng. Abstr.) **(Rus)**

[Regulation of the stability of the intravascular fluid volume and the role of natriuretic factor] Ivanov II. **Kardiologiia** 15(8):138–45, Aug 75 (95 ref.) **(Rus)**

[Hemodynamics, gas composition and electrolyte balance in experimental traumatic shock] Kiprenskiĭ IuV, et al. **Ortop Travmatol Protez** (9):13–9, Sep 75 (Eng. Abstr.) **(Rus)**

[Study of certain chemical constants of body tissues in familial nephrotic syndrome] Burke ES, et al. **Pediatriia** (2):11–4, Feb 74 **(Rus)**

[Influence of epiphysectomy on the metabolism of electrolytes] Pronina NN, et al. **Probl Endokrinol (Mosk)** 21(4):88–91, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Mineral metabolism in pyelonephritis] Iasinskiĭ BV, et al. **Sov Med** (7):70–4, Jul 75 **(Rus)**

[Changes in the function of the kidney and water–salt metabolism in patients with extensive extirpation of the uterus with its appendages under neuroleptoanesthesia] Guliaev GV, et al. **Vestn Akad Med Nauk SSSR** (2):61–7, 1976 (Eng. Abstr.) **(Rus)**

[Changes in the hydroelectrolytic balance and cerebrospinal fluid pressure in the acute period of craniocerebral injury] Volobuev IuM, et al. **Voen Med Zh** (7):60–2, Jul 75 **(Rus)**

[Significance of extra- and intracellular redistribution of water and electrolytes of the myocardium and skeletal muscles in the therapeutic effects of UV-irradiation on experimental renal hypertension] Baronenko VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (4):348–55, Jul–Aug 75 **(Rus)**

[Adaptive evolution of osmoregulation in rodents with different ecologies] Ivanova LN, et al. **Zh Evol Biokhim Fiziol** 11(6):588–93, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Possibility of affecting the regulation of salt and water uptake in the critical periods of development in rats] Křeček J. **Zh Evol Biokhim Fiziol** 11(6):573–82, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Isoosmotic type of regulation in the sturgeon, Acipenser güldenstaedti, in the marine period of its life] Natochin IuV, et al. **Zh Evol Biokhim Fiziol** 11(6):583–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Behavior of electrolytes in the liver of animals conditioned to severe tourniquet trauma] Peci-Popović E, et al. **Zb Vojnomed Akad** :99–104, 1974 **(Ser)**

[Potassium and sodium electrolyte ratio in the myocardium following death by hanging and electric current] Maárová E. **Soud Lek** 21(1):1–6, Feb 76 (Eng. Abstr.) **(Slo)**

[Water–electrolyte and acid–base equilibrium in pediatrics] Lagomarsino E. **Rev Chil Pediatr** 46(2):149–62, Mar–Apr 75 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effect of dodecylsulphate upon net sodium and water transport from tied jejunal loops in anaesthetized rats. Sund RB. **Acta Pharmacol Toxicol (Kbh)** 37(4):282–96, Oct 75

The effect of some ionized and neutral surfactants and bile acids upon sodium and water transport from tied jejunal loops in anaesthetized rats. Sund RB. **Acta Pharmacol Toxicol (Kbh)** 37(4):297–308, Oct 75

Effect of a competitive antagonist (8-leu-angiotensin II) of angiotensin II on sodium and water transport in toad skin. Coviello A, et al. **Acta Physiol Lat Am** 24(5):409–13, 1974

Negative water balance induced by intracerebroventricular infusion of deuterium. Leksell LG, et al. **Acta Physiol Scand** 97(1):142–4, Mar 76

The permeability of fish gills with comments on the osmotic behaviour of cellular membranes. Steen JB, et al. **Acta Physiol Scand** 95(1):6–20, Sep 75

Organic anions induce colinic secretion. Bustos-Fernández L, et al. **Am J Dig Dis** 21(4):329–32, Apr 76

Effect of volatile fatty acids on water and ion absorption from the goat colon. Argenzio RA, et al. **Am J Physiol** 229(4):997–1002, Oct 75

DDE feeding and plasma osmoregulation in ducks, guillemots, and puffins. Miller DS, et al. **Am J Physiol** 231(2):370–6, Aug 76

The effects of norethynodrel on the visual cortex of rats exposed to differential environments: a preliminary study of electrolytes and water. Hoover DM, et al. **Brain Res** 103(1):139–42, 13 Feb 76

Effects of subfornical organ extracts of salt-water balance in the rat. Summy-Long JY, et al. **Brain Res** 113(3):499–516, 3 Sep 76

Effects of copper exposure on water balance. Courtois LA, et al. **Bull Environ Contam Toxicol** 14(2):221–4, Aug 75

Effects on tissue and electrolytes of a mineralocorticoid blocker during DOCA-induced potassium depletion. Levine DZ, et al. **Can J Physiol Pharmacol** 54(1):59–65, Feb 76

Altered ion transport in aortic smooth muscle during deoxycorticosterone acetate hypertension in the rat. Jones AW, et al. **Circ Res** 37(3):333–41, Sep 75

The effect of frusemide on water and electrolyte absorption from the human jejunum. MacKenzie JF, et al. **Clin Sci Mol Med** 49(5):519–21, Nov 75

A study of relations between the absorption of amino acids, dipeptides, water and electrolytes in the normal human jejunum. Silk DB, et al. **Clin Sci Mol Med** 49(5):401–8, Nov 75

The renal kallikrein–kinin system and the regulation of salt and water excretion. Mills IH, et al. **Fed Proc** 35(2):181–8, Feb 76 (45 ref.)

Ion transport changes during calcitonin-induced intestinal secretion in man. Gray TK, et al. **Gastroenterology** 71(3):392–8, Sep 76

Further studies on prostaglandin E1-induced jejunal secretion of water and electrolytes in man, with special reference to the influence of ethacrynic acid, furosemide, and aspirin. Matuchansky C, et al. **Gastroenterology** 71(2):274–81, Aug 76

Effect of taurine on heart and brain electrolyte imbalances. pp 155–63. Welty JD, et al. **In: Huxtable R, Barbeau A, ed. Taurine. New York, Raven Press, 1975 W3 IN923E 1975t.**

Prolactin and fluid and electrolyte balance. pp. 152–5. Horrobin DF, et al. **In: Pasteels JL, et al., ed. Human prolactin. Amsterdam, Excerpta Medica, 1973. W3 EX89 n.308 1973.** (4 ref.)

Proceedings: Determination of intracellular electrolyte levels in L-929 cells grown in lithium-containing media. Papa FJ Jr. **J Am Osteopath Assoc** 75(4):429, Dec 75

The effects of calcium on water balance of the brown trout Salmo trutta. Oduleye SO. **J Exp Biol** 63(2):343–56, Oct 75

The effects of hypophysectomy, prolactin therapy and environmental calcium on electrolyte balance of the brown trout Salmo trutta, L. Oduleye SO. **J Exp Biol** 64(1):221–31, Feb 76

The effect of dietary sodium chloride on blood pressure, body fluids, electrolytes, renal function, and serum lipids of normotensive man. Kirkendall AM, et al. **J Lab Clin Med** 87(3):411–34, Mar 76

Electrolyte- and fluid-spaces of rat brain in situ after infusion with dinitrophenol. Baethmann A, et al. **J Neurobiol** 6(1):73–84, Jan 75

Proceedings: The effects of prolactin on renal excretion, and on voluntary intake of water and sodium in rabbits. Burstyn PG, et al. **J Physiol (Lond)** 251(1):30P–31P, Sep 75

Drug-induced states of nephrogenic diabetes insipidus. Singer I, et al. **Kidney Int** 10(1):82–95, Jul 76

Enhancement of euryhaline tolerance of the gastropod Hydrobia ulvae by alien catabolic productors. Yabrov A. **Life Sci** 19(2):251–6, 15 Jul 76

Functional roles of luminal sodium and potassium in water transport across desert scorpion ileum. Ahearn GA, et al. **Nature** 261(5555):66–8, 6 May 76

Lateral preoptic single unit activity: effects of various solutions. Blank DL, et al. **Physiol Behav** 15(6):723–30, Dec 75

Effects of prazosin on renal function and fluid-electrolyte metabolism. Maxwell MH. **Postgrad Med Spec** No:36–41, Nov 75

Regional ileitis (Crohn's disease). II. Electrolyte and water movement in the ileum during perfusion with bile acids. Krag B, et al. **Scand J Gastroenterol** 11(5):487–90, 1976

Effect of lithium on water and electrolyte metabolism. Galla JN, et al. **Yale J Biol Med** 48(4):305–14, Sep 75

Letter: Effect of propranolol on urine concentration] Imbs JL, et al. **Nouv Presse Med** 5(4):211, 24 Jan 76 **(Fre)**

[Changes in water balance induced in the rat and dog by carisoprodol] Baïsset A, et al. **Therapie** 30(2):247–57, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Sodium and water balance in the dog under halothane and methoxyflurane anesthesia (author's transl)] Finsterer U, et al. **Anaesthesist** 24(10):444–54, Oct 75 (Eng. Abstr.) **(Ger)**

[Intestinal adaptation of electrolyte and water resorption] Loeschke K. **Fortschr Med** 93(32):1613–5, 13 Nov 75 **(Ger)**

[The effect of 'standardized forced diuresis' (SFD) on serum and urinary electrolytes(author's transl)] Kleinberger G, et al. **Wien Klin Wochenschr** 88(14):449–53, 16 Jul 76 **(Ger)**

[Decrease of osmolar resistance in LS fibroblasts cultivated in the presence of saccharose] Sapigni T, et al. **Boll Soc Ital Biol Sper** 51(23):1727–32, 15 Dec 75 **(Ita)**

[Effects of indomethacin on renal function] Usberti M, et al. **Minerva Nefrol** 22(6):299–303, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Action of ornid and papavperine on the biopotential and electrolytic balance of the vascular wall] Gul'kin AV, et al. **Farmakol Toksikol** 38(5):579–82, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Changes in the electrolyte composition of the blood of humans and animals under the influence of thyrocalcitonin] Doviner AD, et al. **Probl Endokrinol (Mosk)** 21(5):34–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Effect of convallatoxin on the state of water–electrolyte balance in the myocardium, liver and kidney in acute hemodynamic cardiac insufficiency] Chekman IS, et al. **Vrach Delo** (4):81–3, Apr 75 **(Rus)**

[Influence of chlorpropamide on the excretion of electrolytes in diabetes insipidus] Peci-Popović E, et al. **Glas Srp Akad Nauka [Med]** (26):77–84, 1975 **(Ser)**

RADIATION EFFECTS

[Clinico-physiological shifts in occupational effects of radiation and radiowaves] Lysina GG. **Med Radiol (Mosk)** 20(11):50–5, Nov 75 (Eng. Abstr.) **(Rus)**

WATER-ELECTROLYTE IMBALANCE

Correlations between brain catecholamines, neurosecretion, and serum corticoid levels in osmotically stressed mallard ducks (Anas platyrhynchos). McNeill TH, et al. **Cell Tissue Res** 161(2):277–83, 18 Aug 75

Determinants of deranged sodium and water homeostasis in decompensated cirrhosis. Epstein M, et al. **J Lab Clin Med** 87(5):822–39, May 76

Hydroelectrolytic changes caused by prolonged clinical recumbency. Groza P, et al. **Physiologie** 13(1):19–23, Jan–Mar 76

Fluid and electrolyte disorders in urologic patients. Brown RS, et al. **Urol Clin North Am** 3(2):267–76, Jun 76

[Disturbances of Free Water and Electrolyte Metabolism: Three large groups are differentiated] Brod J, et al. **Munch Med Wochenschr** 118(13):383–90, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Electrolyte Emergencies. Selected Aspects] Truniger B. **Munch Med Wochenschr** 118(13):391–4, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[Editorial: Hyperosmolal states] Lidji M, et al. **Harefuah** 89(2):89–90, 15 Jul 75 **(Heb)**

[Characteristics of changes of water–electrolyte balance in patients of the 1st few years of life operated on under conditions of artificial circulation] Frantsev VI, et al. **Grudn Khir** (4):27–31, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Nature of water–electrolyte imbalance and its correction in patients with chronic suppurative lung diseases] Shataliuk BP. **Grudn Khir** (1):73–6, Jan–Feb 74 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Letter: Acute hyperphosphatemia and acute persistent renal insufficiency induced by oral phosphate therapy. Ayala G, et al. **Ann Intern Med** 83(4):520–1, Oct 75

Drug-induced stated of impaired water excretion. Miller M, et al. **Kidney Int** 10(1):96–103, Jul 76

[Inappropriate antidiuresis after acute colchicine poisoning. 2 cases] Gaultier M, et al. **Nouv Presse Med** 4(44):3132–4, 20 Dec 75 **(Fre)**

[Electrophysiological effects and electrolyte changes caused by quinidine] Manetti A, et al. **Cardiol Prat** 25(4):339–42, Oct–Dec 74 **(Ita)**

[Nephropathy and electrolyte disorders after abuse of analgesics, diuretics and laxatives] Gundersen T, et al. **Tidsskr Nor Laegeforen** 96(16):935–6, 10 Jun 76 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Salt-losing nephropathy in prune belly syndrome: reversal following unilateral nephrectomy. Chesney RW, et al. **Am J Dis Child** 130(7):778–9, Jul 76

[2 cases of hyperosmotic coma] Lobera A, et al. **Anesth Analg (Paris)** 32(3):489–95, May–Jun 75 **(Fre)**

[Role of disorders in the functional state of the kidneys and in electrolyte balance in the pathogenesis of vibration disease (a clinical and experimental study)] Dynnik VI, et al. **Gig Tr Prof Zabol** (9):32–6, Sep 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Clinical disorders of water metabolism. Berl T, et al. **Kidney Int** 10(1):117–32, Jul 76

[Diagnosis of electrolyte and acid–base equilibrium disorders] Holzgreve H. **Internist (Berlin)** 17(2):106–13, Feb 76 **(Ger)**

DIET THERAPY

Of soup. Burch GE. **Am Heart J** 91(2):267, Feb 76

DRUG THERAPY

Letter: Demeclocycline treatment of water retention in cirrhosis. Troyer A, et al. **Ann Intern Med** 85(3):336–7, Sep 76

[Letter: Treatment of an inappropriate antidiuresis syndrome by demethylchlortetracycline] Cledes J, et al. **Nouv Presse Med** 5(20):1308–9, 15 May 76 **(Fre)**

[Letter: action of beta–blocking agents in decompensated cirrhosis] Sabbah A. **Nouv Presse Med** 5(2):91, 10 Jan 76 **(Fre)**

[Influencing postoperative water–electrolyte imbalance with spironolactone (verospirone)] Merrem B, et al. **Zentralbl Neurochir** 35(3):193–9, 1974 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Fluid and electrolyte problems of tube–fed patients. Kubo W, et al. **Am J Nurs** 76(6):912–6, Jun 76

Hypoaldosteronism in three sibs due to 18–dehydrogenase deficiency. Hamilton W, et al. **Arch Dis Child** 51(8):576–83, Aug 76

Villous adenoma of the colon with severe fluid and electrolyte depletion: report of a case. Jurgeleit HC. **Dis Colon Rectum** 19(5):445–7, Jul–Aug 76

Electrolyte and acid base problems in hypertrophic pyloric stenosis in infancy. Kumar V, et al. **Indian Pediatr** 12(9):839–45, Sep 75

Determinants of deranged sodium and water homeostasis in decompensated cirrhosis. Epstein M, et al. **J Lab Clin Med** 87(5):822–39, May 76

Villous adenoma of the colon with severe fluid and electrolyte depletion. Report of a case. Jurgeleit HC. **J Maine Med Assoc** 66(12):342–3, 345, Dec 75

Nonketotic hyperglycemic hyperosmolar coma. Report of neurosurgical cases with a review of mechanisms and treatment. Park BE, et al. **J Neurosurg** 44(4):409–17, Apr 76

The syndrome of inappropriate secretion of antidiuretic hormone. Cunningham BD, et al. **J Oral Surg** 34(4):355–8, Apr 76

Letter: Electrolyte disturbances in beer drinkers. Phillips PJ, et al. **Lancet** 2(7944):1088, 29 Nov 75

Villous adenoma of the colon with electrolyte depletion. Fevre DI. **Med J Aust** 2(14):555–6, 4 Oct 75

[Villous tumor of the rectum. Severe hydroelectrolytic depletion. Electronmicroscopy. Dosage of carcinoembryonic antigen. Presence of immunoglobulins in the mucus (author's transl)] Bekhti A, et al. **Acta Gastroenterol Belg** 38(5–6):227–36, May–Jun 75 (Eng. Abstr.) **(Fre)**

[Study of intestinal absorption of water, electrolysis and glucose in celiac disease in adults by the intestinal perfusion method] Bernier JJ, et al. **Arch Fr Mal App Dig** 64(6):495–506, Sep 75 **(Fre)**

[Isotopic study of fluid and electrolyte disturbances in decompensated chronic respiratory insufficiency (author's transl)] Wattel F, et al. **Bull Physiopathol Respir (Nancy)** 11(5):683–707, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Acid–base and electrolyte correlations in blood and fluid in alcoholic delirium (author's transl)] Ilučev D, et al. **Arch Psychiatr Nervenkr** 220(4):393–403, 22 Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of dialysis and dialysis–dependent changes in water–electrolyte balance on plasma aldosterone in patients with terminal kidney failure] Schnurr E, et al. **Verh Dtsch Ges Inn Med** 81:992–5, 1975 **(Ger)**

[Water–electrolyte imbalance in myxedema – analysis based on the feedback loop theory] Nagasaka M. **Jpn J Clin Med** 33(6):2063–74, Jun 75 **(Jpn)**

[The risk of water–electrolyte imbalance in surgery of bile duct obstruction] Petrilă T, et al. **Rev Chir [Chir]** 24(6):469–74, Nov–Dec 75 **(Rum)**

[Therapeutic possibilities and risks in hepatic cirrhosis with water–electrolyte metabolism disorders] Schwartz M, et al. **Rev Med Intern [Med Intern]** 27(3):219–25, May–Jun 75 (Eng. Abstr.) **(Rum)**

[Pathogenesis of disorders of microelement balance in pregnancy] Guliaev EA. **Akush Ginekol (Mosk)** (7):61–3, Jul 75 **(Rus)**

[Dynamics of disorders of water–salt metabolism in animals with high small intestine fistulas] Bognitskaia TN, et al. **Eksp Khir Anesteziol** (1):43–5, 1976 (Eng. Abstr.) **(Rus)**

[Nature of disorders of water–electrolyte balance and their correction in acute pancreatitis] Shataliuk BP, et al. **Klin Khir** (5):60–2, May 75 **(Rus)**

[State of water metabolism in tetanus] Vronskiĭ AF. **Klin Khir** (9):25–7, 1975 (Eng. Abstr.) **(Rus)**

[Water–electrolyte metabolism in nonspecific ulcerative colitis] Brandina AM, et al. **Klin Med (Mosk)** 53(10):61–8, Oct 75 **(Rus)**

[Disorders of water–electrolyte balance in fractures and burns] Kliachkin LM, et al. **Klin Med (Mosk)** 52(2):109–12, Feb 74 **(Rus)**

[Disorders of electrolyte and acid–base metabolism in children after nephrectomy for nephrolithiasis] Shimonko IT. **Urol Nefrol (Mosk)** (5):7–10, Sept–Oct 75 (Eng. Abstr.) **(Rus)**

[Principles of the correction of some disturbances of homeostasis in acute intestinal infections in children during 1st year of life] Bondareva NV, et al. **Vopr Okhr Materin Det** 20(9):12–6, Sep 75 (Eng. Abstr.) **(Rus)**

[Changes in electrolytes, blood proteins and acid–base equilibrium in staphylococcal lung destruction in children and certain ways of their correction] Novikov BF, et al. **Vopr Okhr Materin Det** 20(12):40–2, Dec 75 (Eng. Abstr.) **(Rus)**

[Dynamics of the indices of water–electrolyte metabolism in pregnant women in the process of treatment of toxicosis] Miroshnychenko VP, et al. **Pediatr Akush Ginekol** (6):33–5, Nov–Dec 75 **(Ukr)**

METABOLISM

Abnormal ion and water composition of veins and normotensive arteries in coarctation hypertension in rats. Pamnani MB, et al. **Circ Res** 38(5):375–8, May 76

[Modern infusion therapy. 4. Disorders of magnesium balance. Pathophysiology, diagnosis and therapy] Gofferje H. **Med Welt** 27(27):1344–8, 2 Jul 76 **(Ger)**

[Water–electrolyte disorders in patients with pulmonary tuberculosis] Graczyk J. **Gruzlica** 43(10):911–20, Oct 75 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Fluid and electrolyte disturbances in cirrhosis. Papper S. **Am J Med Sci** 272(1):53–6, Jul–Aug 76

Neurological manifestations and morbidity of hyponatremia: correlation with brain water and electrolytes. Arieff AI, et al. **Medicine (Baltimore)** 55(2):121–9, Mar 76

[Iodine deficiency without goiter and water–electrolyte imbalance in man] Rivière R, et al. **Strahlentherapie [Sonderb]** 74:247–63, 1975 (Eng. Abstr.) **(Fre)**

[Electrocardiographic changes in electrolyte imbalance. Part 1: Alterations in serum potassium (author's transl)] So CS, et al. **Med Klin** 70(42):1689–96, 17 Oct 75 (Eng. Abstr.) **(Ger)**

[Electrocardiographic changes in electrolyte inbalance. Part 2: Alterations in serum calcium (author's transl)] So CS, et al. **Med Klin** 70(48):1966–8, 28 Nov 75 (Eng. Abstr.) **(Ger)**

[Impedance cardiography for the evaluation of various conditions of hydratation. Preliminary report] Tempel G, et al. **Med Welt** 27(32):1496–9, 6 Aug 76 **(Ger)**

PREVENTION & CONTROL

Editorial: Feeding sick babies. **Br Med J** 4(5996):539, 6 Dec 75

Prevention of body fluid retention by furosemide during estrogen therapy of prostatic cancer. Kontturi MJ, et al. **J Urol** 114(2):251–3, Aug 75

[Hemolysis in not the cause of the TUR–syndrome. The use of non–hemolytic solutions does not prevent its occurrence (author's transl)] Iglesias JJ, et al. **Urologe [A]** 14(6):292–5, Nov 75 (Eng. Abstr.) **(Ger)**

[How to prevent the TUR–syndrome (author's transl)] Iglesias JJ, et al. **Urologe [A]** 14(6):287–91, Nov 75 (Eng. Abstr.) **(Ger)**

THERAPY

Fluid balance at the bedside. Staunton MD. **Br J Clin Pract** 29(12):331–3, Dec 75

Colonic infusion in the management of the short bowel syndrome. Rodgers JB, et al. **Gastroenterology** 70(2):186–9, Feb 76

Management of fluid volume and electrolyte changes in the early postburn period. Baxter CR. **Geriatrics** 30(11):57–62, Nov 75

Fluid and electrolyte problems in the emergency department. Wilson RF, et al. **JACEP** 5(5):339–46, May 76

Hypernatremia—problems in management. Hogan GR. **Pediatr Clin North Am** 23(3):569–74, Aug 76

[Problems in relief polyuria following surgery on the upper urinary tract with case report] Decristoforo A, et al. **Infusionstherapie** 1(5):350–3, Jun 74 (Eng. Abstr.) **(Ger)**

[Infusion therapy in disorders of the sodium and water balance] Kolloch R, et al. **Infusionstherapie** 2(6):401–7, Dec 75 **(Ger)**

[Correction of electrolyte disorders during conservative treatment of chronic renal insufficiency] Paleev NR, et al. **Sov Med** (7):65–70, Jul 75 (Eng. Abstr.) **(Rus)**

WATER INTOXICATION

see related
WATER–ELECTROLYTE BALANCE

CHEMICALLY INDUCED

Letter: Water intoxication associated with oxytocin. Schwartz ML. **Am J Obstet Gynecol** 123(7):774, 1 Dec 75

Water intoxication associated with oxytocin infusion. Ahmad AJ, et al. **Postgrad Med J** 51(594):249–52, Apr 75

COMPLICATIONS

Self–induced water intoxication in a schizophrenic patient. Rae J. **Can Med Assoc J** 114(5):438–9, 6 Mar 76

Potassium depletion induced by vasopressin and overhydration in the rabbit. Barraclough MA. **Clin Sci Mol Med** 49(6):535–41, Dec 75

DIAGNOSIS

[Water intoxication] Truniger B. **Z Gesamte Inn Med** 30(17):170–3, 1 Sep 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Rapid correction of water intoxication by hypertonic saline and frusemide. Worthley LI. **Aust NZ J Med** 5(6):557–60, Dec 75

ETIOLOGY

Letter: Self–induced water intoxication. Gilbert RM. **Can Med Assoc J** 114(12):1094, 19 Jun 76

When is antidiuretic hormone secretion inappropriate? Smith WO. **J Okla State Med Assoc** 69(4):117–20, Apr 76

Water intoxication: a complication of nebulization with nasal CPAP. Rosenfeld WN, et al. **J Pediatr** 89(1):113–4, Jul 76

[Hyponatremia, hypoosmolarity and water intoxication] Truniger B. **Med Klin** 70(25):1071–9, 20 Jun 75 (30 ref.) **(Ger)**

MORTALITY

Water intoxication death following hypothalamic lesions in the rat. Wishart TB, et al. **Physiol Behav** 15(3):377–9, Sep 75

PHYSIOPATHOLOGY

Further characterization of the natriuretic factor derived from kidney tissue of volume–expanded rats. Effects on short–circuit current and sodium–potassium–adenosine triphosphatase activity. Hillyard SD, et al. **Circ Res** 38(4):250–5, Apr 76

URINE

The influence of hydration on T3 elimination in urine. Loos U, et al. **Horm Metab Res** 8(2):154–5, Mar 76

VETERINARY

Letter: Water intoxication in calves. Harwood DG. **Vet Rec** 99(4):76, 24 Jul 76

WATER LOSS, INSENSIBLE

Oxygen consumption and evaporative water loss in infants with congenital heart disease. Kennaird DL. **Arch Dis Child** 51(1):34–41, Jan 76

The effect of phototherapy on insensible water loss and peripheral blood flow. Oh W, et al. **Birth Defects** 12(2):114–21, 1976

The relationship between the course of psoriasis and transepidermal water loss, photoelectric plethysmography and reflex photometry. Rajka G, et al. **Br J Dermatol** 94(3):253–261, Mar 76

Evaporative water loss in scaleless snakes. Bennett AF, et al. **Comp Biochem Physiol [A]** 52(1):213–5, 1 Sep 75

The rate of oxygen consumption, carbon dioxide production, and evaporative water loss in Dipodomys panamintinus. Scelza J, et al. **Comp Biochem Physiol [A]** 52(2):339–41, 1 Oct 75

Biology of Myotis thysanodes and M. lucifugus (Chiroptera: Vespertilionidae)—III. Metabolism, heart rate, breathing rate, evaporative water loss and general energetics. Studier EH, et al. **Comp Biochem Physiol [A]** 54(4):423–32, 1976

Critical care problems of the newborn: insensible water loss in small premature infants. Yeh TF, et al. **Crit Care Med** 3(6):238–41, Nov–Dec 75

Correlation between mosquito repellent protection time and insensible water loss from the skin. Rietschel RL, et al. **J Invest Dermatol** 65(4):385–7, Oct 75

The regulation of respiratory evaporative heat loss in the rabbit. Stitt JT. **J Physiol (Lond)** 258(1):157–71, Jun 76

[Infusion treatment in severe dehydration (infantile toxicosis)] Egli F, et al. **Infusionstherapie** 2(1):25–31, Feb 75 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Alkylating derivatives of amino acids and peptides. Synthesis of N–maleoylamino acids, [1–(N–maleoylglycyl)cysteinyl]oxytocin. Effects on vasopressin–stimulated water loss from isolated toad bladder. Rich DH, et al. **J Med Chem** 18(10):1004–10, Oct 75

WATER MICROBIOLOGY

Inhibitors produced by algae as an ecological factor affecting bacteria in water. II. Antibacterial activity of algae during blooms. Chróst RJ. **Acta Microbiol Pol [B]** 7(3):167–76, 1975

Degradation of urea by bacteria and algae in mass algal cultures. Chróst RJ, et al. **Acta Microbiol Pol [B]** 7(4):231–6, 1975

Studies on metabolic activity of planktonic bacteria isolated from three lakes. Strzelczyk E, et al. **Acta Microbiol Pol [B]** 7(3):177–83, 1975

Nitrification and denitrification processes related to waste

water treatment. Focht DD, et al. **Adv Appl Microbiol** 19:153–86, 1975 (163 ref.)
Letter: Mycobacterial contamination through tap water. Gangadharam PR, et al. **Am Rev Respir Dis** 113(6):894, Jun 76
Water as a source of potentially pathogenic mycobacteria. Goslee S, et al. **Am Rev Respir Dis** 113(3):287–92, Mar 76
Isolation of mycobacteriophages from surface water. Caroli G, et al. **Ann Sclavo** 17(4):568–70, Jul–Aug 75
The Sphaerotilus–Leptothrix group. Dondero NC. **Annu Rev Microbiol** 29:407–28, 1975
Microbes as food in mariculture. Ryther JH, et al. **Annu Rev Microbiol** 29:429–43, 1975
Toxicity of ammonia to algae in sewage oxidation ponds. Abeliovich A, et al. **Appl Environ Microbiol** 31(6):801–6, Jun 76
Blockage by acetylene of nitrous oxide reduction in Pseudomonas perfectomarinus. Balderston WL, et al. **Appl Environ Microbiol** 31(4):504–8, Apr 76
Isolation of salmonellae and other potential pathogens from the freshwater aquarium snail Ampullaria. Bartlett KH, et al. **Appl Environ Microbiol** 31(5):635–9, May 76
Separation of small ciliate protozoa from bacteria by sucrose gradient centrifugation. Berk SG, et al. **Appl Environ Microbiol** 31(3):450–2, Mar 76
Evaluation of Pfizer selective enterococcus and KF media for recovery of fecal streptococci from water by membrane filtration. Brodsky MH, et al. **Appl Environ Microbiol** 31(5):695–9, May 76
Effect of iron on the biodegradation of petroleum in seawater. Dibble JT, et al. **Appl Environ Microbiol** 31(4):544–50, Apr 76
Photooxidation of cyanobacteria in natural conditions. Eloff JN, et al. **Appl Environ Microbiol** 31(1):119–26, Jan 76
Role of bacteria and protozoa in the removal of Escherichia coli from estuarine waters. Enzinger RM, et al. **Appl Environ Microbiol** 31(5):758–63, May 76
Carbon metabolism in model microbial systems from a temperate salt marsh. Fallon RD, et al. **Appl Environ Microbiol** 31(6):959–68, Jun 76
Airborne coliphages from wastewater treatment facilities. Fannin KF, et al. **Appl Environ Microbiol** 31(5):705–10, May 76
Distribution of Bdellovibrio bacteriovorus in sewage works, river water, and sediments. Fry JC, et al. **Appl Environ Microbiol** 31(4):469–74, Apr 76
Electron transport components of the MnO2 reductase system and the location of the terminal reductase in a marine Bacillus. Ghiorse WC, et al. **Appl Environ Microbiol** 31(6):977–85, Jun 76
Influence of sewage discharge on nitrogen fixation and nitrogen flux from coral reefs in Kaneohe Bay, Hawaii. Hanson RB, et al. **Appl Environ Microbiol** 31(6):942–8, Jun 76
Study of Candida ingens grown on the supernatant derived from the anaerobic fermentation of monogastric animal wastes. Henry DP, et al. **Appl Environ Microbiol** 31(6):813–8, Jun 76
In situ morphology of nitrifying-like bacteria in aquaculture systems. Johnson PW, et al. **Appl Environ Microbiol** 31(3):423–32, Mar 76
Surface balance study of the interaction between microorganisms and lipid monolayer at the air/water interface. Kjelleberg S, et al. **Appl Environ Microbiol** 31(4):609–11, Apr 76
Characterization of anaerobic heterotrophic bacteria isolated from freshwater lake sediments. Molongoski JJ, et al. **Appl Environ Microbiol** 31(1):83–90, Jan 76
Microbial degradation of oil spills enhanced by a slow-release fertilizer. Olivieri R, et al. **Appl Environ Microbiol** 31(5):629–34, May 76
Activated sludge degradation of adipic acid esters. Saeger VW, et al. **Appl Environ Microbiol** 31(5):746–9, May 76
Biodegradation of phthalic acid esters in river water and activated sludge. Saeger VW, et al. **Appl Environ Microbiol** 31(1):29–34, Jan 76
Microbiological oxidation of synthetic chalcocite and covellite by Thiobacillus ferrooxidans. Sakaguchi H, et al. **Appl Environ Microbiol** 31(1):7–10, Jan 76
Incidence of Salmonella spp., Clostridium botulinum, and Vibrio parahaemolyticus in an estuary. Sayler GS, et al. **Appl Environ Microbiol** 31(5):723–30, May 76
Method for estimating the decomposition of hexadecane in the marine environment. Seki H. **Appl Environ Microbiol** 31(3):439–41, Mar 76
Viscometric assay of bacterial alginase. Stevens RA, et al. **Appl Environ Microbiol** 31(6):896–9, Jun 76
Concentrations of nitrifying bacteria in sewages, effluents, and a receiving stream and resistance of these organisms to chlorination. Strom PF, et al. **Appl Environ Microbiol** 31(5):731–7, May 76
Isolation of Pseudomonas aeruginosa and other bacterial species from ornamental aquarium plants. Trust TJ, et al. **Appl Environ Microbiol** 31(6):992–4, Jun 76
Sensitivity of environmental microorganisms to antimicrobial agents. Van Dijck P, et al. **Appl Environ Microbiol** 31(3):332–6, Mar 76
Survival of bacteria in seawater using a diffusion chamber apparatus in situ. Vasconcelos GJ, et al. **Appl Environ Microbiol** 31(6):913–20, Jun 76
Environmental factors influencing the rate of hydrocarbon oxidation in temperate lakes. Ward DM, et al. **Appl Environ Microbiol** 31(5):764–72, May 76
Inactivation of poliovirus in digested sludge. Ward RL, et al. **Appl Environ Microbiol** 31(6):921–30, Jun 76
Demonstration of solids-associated virus in wastewater and sludge. Wellings FM, et al. **Appl Environ Microbiol** 31(3):354–8, Mar 76
Comparison between numbers and kinds of freshwater protozoans colonizing autoclaved and unautoclaved polyurethane foam substrates. Yongue WH Jr, et al. **Appl Environ Microbiol** 31(5):750–3, May 76
Physiology and ecology of bacteriophages of the marine bacterium Beneckea natriegens: salinity. Zachary A. **Appl Environ Microbiol** 31(3):415–22, Mar 76
Temperature limitation of methanogenesis in aquatic sediments. Zeikus JG, et al. **Appl Environ Microbiol** 31(1):99–107, Jan 76
Factors influencing detection and enumeration of Pseudomonas aeruginosa by most-probable-number and membrane filtration techniques. **Appl Microbiol** 30(6):935–42, Dec 75
Effects of temperature and crude oil composition on petroleum biodegradation. Atlas RM. **Appl Microbiol** 30(3):396–403, Sep 75
Survival of human enteric and other sewage microorganisms under simulated deep-sea conditions. Baross JA, et al. **Appl Microbiol** 30(2):309–18, Aug 75
Removal of algae from Florida lakes by magnetic filtration. Bitton G, et al. **Appl Microbiol** 30(6):905–8, Dec 75
Influence of coliform source on evaluation of membrane filters. Brodsky MH, et al. **Appl Microbiol** 30(5):727–30, Nov 75
Seasonal occurrence and distribution of microbial indicators and pathogens in the Rhode River of Chesapeake Bay. Carney JF, et al. **Appl Microbiol** 30(5):771–80, Nov 75
Repulsion of bacteria from marine surfaces. Chet I, et al. **Appl Microbiol** 30(6):1043–5, Dec 75
Detection of animal viruses in coastal seawater and sediments. De Flora S, et al. **Appl Microbiol** 30(3):472–5, Sep 75
Effect of physical parameters on the in situ survival of Escherichia coli MC-6 in an estuarine environment. Faust MA, et al. **Appl Microbiol** 30(5):800–6, Nov 75
Screening test for assessment of ultimate biodegradability: linear alkylbenzene sulfonates. Gledhill WE. **Appl Microbiol** 30(6):922–9, Dec 75
Comparison of the new millipore HC with conventional membrane filters for the enumeration of fecal coliform bacteria. Green BL, et al. **Appl Microbiol** 30(4):697–9, Oct 75
Formation of methyl mercury by bacteria. Hamdy MK, et al. **Appl Microbiol** 30(3):424–32, Sep 75
Utilization of brewery spent grain liquor by Aspergillus niger. Hang YD, et al. **Appl Microbiol** 30(5):879–80, Nov 75
Evaluation of coli-count samplers for possible use in standard couting of total and fecal coliforms in recreational waters. Hedberg M, et al. **Appl Microbiol** 30(5):881–3, Nov 75
Evaluation of a most-probable-number technique for the enumeration of Pseudomonas aeruginosa. Highsmith AK, et al. **Appl Microbiol** 30(4):596–601, Oct 75
Incidence of Vibrio parahaemolyticus in Chesapeake Bay. Kaneko T, et al. **Appl Microbiol** 30(2):251–7, Aug 75
New medium for isolating iron-oxidizing and heterotrophic acidophilic bacteria from acid mine drainage. Manning HL. **Appl Microbiol** 30(6):1010–6, Dec 75
Nonautotrophic Thiobacillus in acid mine water. Myers PS, et al. **Appl Microbiol** 30(5):884–6, Nov 75
Gas chromatographic presumptive test for coliform bacteria in water. Newman JS, et al. **Appl Microbiol** 30(4):584–8, Oct 75
Inhibition of methanogenesis in marine sediments by acetylene and ethylene: validity of the acetylene reduction assay for anaerobic microcosms. Oremland RS, et al. **Appl Microbiol** 30(4):707–9, Oct 75
Methane production in shallow-water, tropical marine sediments. Oremland RS. **Appl Microbiol** 30(4):602–8, Oct 75
Distribution and significance of fecal indicator organisms in the Upper Chesapeake Bay. Sayler GS, et al. **Appl Microbiol** 30(4):625–38, Oct 75
Association of enteroviruses with natural and artificially introduced colloidal solids in water and infectivity of solids-associated virions. Schaub SA, et al. **Appl Microbiol** 30(2):212–22, Aug 75
Heterotrophic activity of deep-sea sediment bacteria. Schwarz JR, et al. **Appl Microbiol** 30(4):639–49, Oct 75
Studies on the survival and fate of enteroviruses in an experimental model of a municipal solid waste landfill and leachate. Sobsey MD, et al. **Appl Microbiol** 30(4):565–74, Oct 75
Dection of salmonellae in the environment. Thomason BM, et al. **Appl Microbiol** 30(5):764–7, Nov 75
Evaluation of petroleum-degrading potential of bacteria from water and sediment. Walker JD, et al. **Appl Microbiol** 30(6):1036–9, Dec 75
Morphology and physiology of Spirochaeta aurantia strains isolated from aquatic habitats. Breznak JA, et al. **Arch Microbiol** 105(1):1–12, 30 Sep 75
Studies on the survival of Shigella flexneri in river and tap water. Mohadjer S, et al. **Arch Roum Pathol Exp Microbiol** 34(4):307–12, Dec 75
A rapid method for quantitative assay of poliovirus from water with the aid of the fluorescent antibody technique. Katzenelson E. **Arch Virol** 50(3):197–206, 1976
Letter: Pseudomonas aeruginosa in hospital pharmacies. **Br Med J** 1(6015):958–9, 17 Apr 76
Accumulation of methoxychlor by microorganisms isolated from aqueous systems. Paris DF, et al. **Bull Environ Contam Toxicol** 15(1):24–32, Jan 76
Morphological conversion of 13 strains of three dimorphic fungi in tap and stream water. Sheiban ZB. **Bull Soc Pathol Exot** 68(1):46–50, Jan–Feb 75
Morphological conversion of Blastomyces dermatitidis in tap-water. Sheiban ZB. **Bull WHO** 51(4):423–7, 1974
Detection of enteropathogenic Escherichia coli strains in wastewater by fluorescent antibody. Abshire RL. **Can J Microbiol** 22(3):364–78, Mar 76
The influence of hydrostatic pressure upon biochemical activities of heterotrophic bacteria. Albright LJ. **Can J Microbiol** 21(9):1406–12, Sep 75
The distribution of the isocitrate lyase serine pathway amongst one-carbon utilizing organisms. Bellion E, et al. **Can J Microbiol** 22(3):404–8, Mar 76
Characteristics of a facultatively psychrophilic Acinetobacter species isolated from river sediment. Breuil C, et al. **Can J Microbiol** 21(12):2103–8, Dec 75
The isolation of Vibrio parahaemolyticus and related vibrios from moribund aquarium lobsters. Brinkley AW, et al. **Can J Microbiol** 22(2):315–7, Feb 76
Relationship between various bacterial populations and coprostanol and cholesterol. Dutka BJ, et al. **Can J Microbiol** 21(9):1386–98, Sep 75
Study on the efficiency of four procedures for enumerating coliforms in water. Dutkaand BJ, et al. **Can J Microbiol** 22(5):630–5, May 76
Arrangement of morphological subunits in bacterial spinae. Easterbrook KB, et al. **Can J Microbiol** 22(5):619–29, May 76
Aquatic acetylene-reduction techniques: solutions to several problems. Flett RJ, et al. **Can J Microbiol** 22(1):43–51, Jan 76
Morphological, physiological, and biochemical characteristics of some violet-pigmented bacteria isolated from seawater. Gauthier MJ. **Can J Microbiol** 22(2):138–49, Feb 76
A chemically defined medium for Aquaspirillum aquaticum ATCC 11330. Kropinski AM. **Can J Microbiol** 21(11):1886–9, Nov 75
Heterotrophic nutrition of the marine pennate diatom Navicula pavillardi Hustedt. Lewin J, et al. **Can J Microbiol** 21(9):1335–42, Sep 75
Nitrogen fixation in the Rhode River estuary of Chesapeake Bay. Marsho TV, et al. **Can J Microbiol** 21(9):1348–56, Sep 75
Survival of Salmonella and other indicator microorganisms. Mitchell DO, et al. **Can J Microbiol** 21(9):1420–1, Sep 75
Temperature optima for bacteria and yeasts from cold-mountain habitats. Mosser JL, et al. **Can J Microbiol** 22(2):324–5, Feb 76
Halobacterium saccharovorum sp. nov., a carbohydrate-metabolizing, extremely halophilic bacterium. Tomlinson GA, et al. **Can J Microbiol** 22(4):587–91, Apr 76
Biodegradation of petroleum by Chesapeake Bay sediment bacteria. Walker JD, et al. **Can J Microbiol** 22(3):423–8, Mar 76
Comparison of biodegradability of crude and fuel oils. Walker JD, et al. **Can J Microbiol** 22(4):598–602, Apr 76
Nitrification on a coral reef. Webb KL, et al. **Can J Microbiol** 21(9):1427–31, Sep 75
Mycobacterium kansasii from an environmental source. Maniar AC, et al. **Can J Public Health** 67(1):59–60, Jan–Feb 76
Virus association with wastewater solids. Cliver DO. **Environ Lett** 10(3):215–23, 1975
The effect of dursban on micro-flora in non-saline waters. Brown JR, et al. **Environ Qual Saf [Suppl]** 3:774–9, 1975
Rates and products of degradation of malathion by bacteria and fungi from aquatic systems. Paris DF, et al. **Environ Qual Saf [Suppl]** 3:288–91, 1975
The Azotobacter flora of some Czechoslovakian watercourses. Hegazi NA. **Folia Microbiol (Praha)** 20(5):427–32, 1975
High-purity water supplies for biomedical research laboratories. Deroos R, et al. **Health Lab Sci** 13(1):11–9, Jan 76
Sources of the slow-growing pigmented water bacteria. Herman LG. **Health Lab Sci** 13(1):5–10, Jan 76
Demonstration of agglutinating antibodies against Vibrio parahaemolyticus in the yellow tail flounder (Limanda ferruginea). Ortiz JS, et al. **Health Lab Sci** 13(3):197–202, Jul 76
Microbiological aspects of groundwater pollution. pp. 167–202. Hutchinson M. **In: Coie JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**
Exploration of a chemical index in place of coliform count as an indicator of water pollution. Lamba DL, et al. **Indian J Med Res** 62(12):1808–17, Dec 74
Conversion of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane (DDT) to water-soluble products by microorganisms. Juengst FW Jr, et al. **J Agric Food Chem** 24(1):111–5, Jan–Feb 76
MacConkey and glutamate media in the bacteriological examination of seawater. Alivisatos GP, et al. **J Appl Bacteriol** 39(3):287–93, Dec 75
Survival of Escherichia coli in stream water in relation to carbon dioxide and plant photosynthesis. Gray EA. **J Appl Bacteriol** 39(1):47–54, Aug 75
Isolation and identification of photosynthetic bacteria

(Rhodospirillaceae) from Antarctic marine and freshwater sediments. Herbert RA. **J Appl Bacteriol** 41(1):75–80, Aug 76

Some observations on the occurrence of the iron bacterium Leptothrix ochracea in fresh water, including reference to large experimental enclosures. Jones JG. **J Appl Bacteriol** 39(1):63–72, Aug 75

An investigation of errors in direct counts of aquatic bacteria by epifluorescence microscopy, with reference to a new method for dyeing membrane filters. Jones JG, et al. **J Appl Bacteriol** 39(3):317–29, Dec 75

Dissimilatory nitrate and nitrite reduction under aerobic conditions by an aerobically and anaerobically grown Alcaligenes sp. and by activated sludge. Krul JM. **J Appl Bacteriol** 40(3):245–60, Jun 76

The fate of benzothiazole–2-sulphonic acid in biologically treated industrial effluents. Mainprize J, et al. **J Appl Bacteriol** 40(3):285–91, Jun 76

Bacteriological examination of seawater: observations on factors affecting the performance of media. Papadakis JA. **J Appl Bacteriol** 39(3):295–300, Dec 75

Degradation of microbicides under different environmental conditions. Voets JP, et al. **J Appl Bacteriol** 40(1):67–72, Feb 76

Characterization of neutral amino acid transport in a marine pseudomonad. Fein JE, et al. **J Bacteriol** 124(3):1177–90, Dec 75

Chemosensory responses of a protozoan are modified by antitubulins. Levandowsky M, et al. **J Bacteriol** 124(2):1037–8, Nov 75

Diminution of outer membrane permeability by Mg2+ in a marine pseudomonad. Moustafa Hassan H. **J Bacteriol** 125(3):910–5, Mar 76

Sparkling pure water—in a swimming pool. Plumb RC. **J Chem Educ** 53(3):189–90, Mar 76

Photoreactivation of Pseudomonas cepacia after ultraviolet exposure: a potential source of contamination in ultraviolet-treated waters. Carson LA, et al. **J Clin Microbiol** 1(5):462–4, May 75

Simple procedure for detection of Mycobacterium gordonae in water causing false-positive acid-fast smears. Dizon D, et al. **J Clin Microbiol** 3(2):211, Feb 76

Pseudomonas cepacia strains isolated from water reservoirs of unheated nebulizers. Gelbart SM, et al. **J Clin Microbiol** 3(1):62–6, Jan 76

Letter: Mycobacteria contaminating histological sections. Dearnaley JN. **J Clin Pathol** 29(6):568, Jun 76

Bacterial conditions of water in dental units. Thé SD, et al. **J Dent Res** 54(5):1064–8, Sep–Oct 75

The effects of proteins on bacterial attachment to polystyrene. Fletcher M. **J Gen Microbiol** 94(2):400–4, Jun 76

Molar growth yields, respiration and cytochrome patterns of Beneckea natriegens when grown at different medium dissolved-oxygen tensions. Linton JD, et al. **J Gen Microbiol** 90(2):237–46, Oct 75

Influence of dilution rate on NAD(P) and NAD(P)H concentrations and ratios in a Pseudomonas sp. grown in continuous culture. Matin A, et al. **J Gen Microbiol** 94(2):333–41, Jun 76

Influence of dilution rate on enzymes of intermediary metabolism in two freshwater bacteria grown in continuous culture. Matin A, et al. **J Gen Microbiol** 94(2):323–32, Jun 76

Numerical taxonomy of aquatic Acinetobacter isolates. Pagel JE, et al. **J Gen Microbiol** 96(2):220–32, Aug 76

The preparation of simulated water samples for the purpose of bacteriological quality control. Gray RD, et al. **J Hyg (Camb)** 76(1):49–56, Feb 76

Clostridium botulinum in the lakes and waterways of London. Smith GR, et al. **J Hyg (Camb)** 75(3):371–9, Dec 75

Outbreaks of waterborne disease in the United States, 1973. Hughes JM, et al. **J Infect Dis** 132(3):336–9, Sep 75

Isolation and characterization of Caulobacter crecentus bacteriophage phi Cd1. West D, et al. **J Virol** 17(2):568–75, Feb 76

Inhibition of nitrification by ammonia and nitrous acid. Anthonisen AC, et al. **J Water Pollut Control Fed** 48(5):835–52, May 76

Microbiology–detection, occurrence, and removal of viruses. Berg G. **J Water Pollut Control Fed** 47(6):1587–95, Jun 75

Microbiology—detection, occurrence, and removal of viruses. Berg G. **J Water Pollut Control Fed** 48(6):1410–6, Jun 76 (44 ref.)

Pseudomonas aeruginosa–fecal coliform relationships in estuarine and fresh recreational waters. Cabelli VJ, et al. **J Water Pollut Control Fed** 48(2):367–76, Feb 76

Microbiology—waterborne outbreaks. Craun GF. **J Water Pollut Control Fed** 47(6):1566–81, Jun 75 (89 ref.)

Microbiology—waterborne outbreaks. Craun GF. **J Water Pollut Control Fed** 48(6):1378–97, Jun 76 (120 ref.)

Microbiology of water. Geldreich EE. **J Water Pollut Control Fed** 47(6):1543–59, Jun 75 (114 ref.)

Microbiology of water. Geldreich EE. **J Water Pollut Control Fed** 48(6):1338–56, Jun 76 (134 ref.)

Alteration of microbial populations in thermal stress. Guthrie RK, et al. **J Water Pollut Control Fed** 48(5):962–5, May 76

Klebsiella densities in waters receiving wood pulp effluents. Huntley BE, et al. **J Water Pollut Control Fed** 48(7):1766–71, Jul 76

Microbiology of two-stage kraft waste treatment. Liao CF, et al. **J Water Pollut Control Fed** 47(10):2384–96, Oct 75

Measurement of metal toxicity by biochemical oxygen demand. Mowat A. **J Water Pollut Control Fed** 48(5):853–66, May 76

Microbiology—detection of bacterial pathogens and their occurrence. Reasoner DJ. **J Water Pollut Control Fed** 48(6):1397–410, Jun 76 (127 ref.)

Use of productivity of periphyton to estimate water quality. Tilley LJ, et al. **J Water Pollut Control Fed** 47(8):2157–71, Aug 75

Microbiology of waste treatment. Unz RF. **J Water Pollut Control Fed** 47(6):1559–66, Jun 75 (71 ref.)

Microbiology of waste treatment. Unz RF. **J Water Pollut Control Fed** 48(6):1367–78, Jun 76 (101 ref.)

Serotypes of Vibrio parahaemolyticus from clinical and environmental sources in Togo (West Africa). Bockmühl J, et al. **Jpn J Med Sci Biol** 28(4):215–21, Aug 75

Effects of chemotherapeutics on bacterial ecology in the water of ponds and the intestinal tracts of cultured fish, ayu (Plecoglossus altivelis). Aoki T. **Jpn J Microbiol** 19(1):7–12, Feb 75

Lethal effect of fresh sea water on Vibrio parahaemolyticus and isolation of Bdellovibrio parasitic against the organism. Miyamoto S, et al. **Jpn J Microbiol** 19(4):309–17, Aug 75

A survey of aquarium fishes, their foods, and environmental water for salmonellae. Morse EV, et al. **Lab Anim Sci** 26(3):494–6, Jun 76

Letter: Infection in the sink. Kohn J. **Lancet** 2(7883):782–3, 28 Sep 74

Cholera transmission near a cholera hospital. Levine RJ, et al. **Lancet** 2(7976):84–6, 10 Jul 76

Quantitative method of viral pollution determination for large volume of water using ferric hydroxide gel impregnated on the surface of glassfibre cartidge filter. Homma A, et al. **Mem Inst Oswaldo Cruz** 72(1–2):31–41, 1974

Aphanomycopsis sexualis, a new parasite of midge eggs. Martin WW. **Mycologia** 67(5):923–33, Sep–Oct 75

Carbenicillin as an aid in obtaining bacteria-free cultures of Saprolegnia species. Neish GA. **Mycologia** 67(6):1192–7, Nov–Dec 75

Mycoflora of activated sewage sludge. Diener UL, et al. **Mycopathologia** 58(2):115–6, 18 Jun 76

Isolation of Penicillium corylophium Dierckx from acid mine water and its optimal growth on hydrocarbons at acid pH. Sinclair NA, et al. **Mycopathologia** 57(1):19–22, 8 Dec 75

Letter: Methylation of organolead and lead(II) compounds to (CH3)4Pb by microorganisms. Schmidt U, et al. **Nature** 259(5539):157–8, 15 Jan 76

Bacterial utilisation of organic matter in the deep sea. Williams PM, et al. **Nature** 262(5571):810–11, 26 Aug 76

Vibrio parahaemolyticus — a marine pathogen detected in South African coastal waters. Bubb HD. **S Afr Med J** 49(37):1514–6, 30 Aug 75

Cryptococcus neoformans of saprophytic origin. Swinne-Desgain D. **Sabouraudia** 13(3):303–8, Nov 75

A probabilistic model of bathing beach safety. Fuhs OW. **Sci Total Environ** 4(2):165–75, Jul 75

Wastewater renovation and reuse: virus removal by soil filtration. Gilbert RG, et al. **Science** 192(4243):1004–5, 4 Jun 76

The isolation of M. kansasii and M. xenopi from water systems. McSwiggan DA, et al. **Tubercle** 55(4):291–7, Dec 74

Iron bacteria of the genus Siderocapsa in mineral waters. Svorcová L. **Z Allg Mikrobiol** 15(7):553–7, 1975

Temperature and hydrostatic pressure effects on gelatinase activity of a Vibrio sp. and partially purified gelatinase. Weimer MS, et al. **Z Allg Mikrobiol** 14(8):719–25, 1974

The survival of Mycoplasma pulmonis in drinking water and in other materials. Vogelzang AA. **Z Versuchstierkd** 17(5–6):240–6, 1975

[Salmonella growth in the water of the Ostend and Zeebrugge harbor ccmplex] Oye E, et al. **Arch Belg Med Soc** 33(4):227–36, Apr 75 (Eng. Abstr.) **(Dut)**

[3d survey of the presence of Salmonella in the canals of Brugges] van Oye E, et al. **Arch Belg Med Soc** 33(3):181–5, Mar 75 (Eng. Abstr.) **(Dut)**

[Residues of antimicrobial materials in the effluents of livestock farms (author's transl)] Van Dijck P, et al. **Tijdschr Diergeneeskd** 101(6):297–302, 15 Mar 76 (Eng. Abstr.) **(Dut)**

[Influence of some substances on the titration of a poliovirus aqueous suspension (author's transl)] Laveran H, et al. **Ann Microbiol (Paris)** 126(1):123–6, Jan 75 (Eng. Abstr.) **(Fre)**

[The microbiological pollution of North Sea and English Channel shore (author's transl)] Oger C, et al. **Ann Microbiol (Paris)** 125(4):513–27, Dec 74 (Eng. Abstr.) **(Fre)**

[Epidemiologic and parasitologic survey concerning the Hassan Addakhil dam and branches to the Tafilalet province (Morocco, May–June 1975)] Deschiens R, et al. **Bull Soc Pathol Exot** 68(5):482–91, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Inactivation of enteroviruses in seawater] Denis F, et al. **C R Acad Sci [D] (Paris)** 281(5–8):471–4, 4–25 Aug 75 (Eng. Abstr.) **(Fre)**

[Bactericidal activity of sea water and its microvibrio content] Guélin A. **C R Acad Sci [D] (Paris)** 282(4):397–400, 26 Jan 76 (Eng. Abstr.) **(Fre)**

[Concentration of viruses in water by the 2 phase polymer method: quantitative study] Schwartzbrod L, et al. **C R Soc Biol (Paris)** 169(3):641–4, 1975 (Eng. Abstr.) **(Fre)**

[Identification of aerobic actinomycetes isolated from fresh water] Chea EH, et al. **Can J Microbiol** 21(12):1895–900, Dec 75 **(Fre)**

[Salmonella isolated in effluents of Herault stations (author's transl)] Baylet R, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):463–8, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Salmonella in the river Dyle (Belgium) (author's transl)] Congretel Y, et al. **Rev Epidemiol Med Soc Sante Publique** 23(3):221–8, Apr–May 75 **(Fre)**

[Study of the behavior of poliomyelitis virus type 1 in diffrerent hydrous media (author's transl)] Schwartzbrod J, et al. **Rev Epidemiol Med Soc Sante Publique** 23(4–5):235–52, Jun–Aug 75 (Eng. Abstr.) **(Fre)**

[Salmonella isolated in water supplies (author's transl)] Sinegre F, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):469–74, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Isolation of salmonella in river water: serotypes (author's transl)] Toussaint-Marchal N, et al. **Rev Epidemiol Med Soc Sante Publique** 23(3):215–20, Apr–May 75 **(Fre)**

[The influence of chloramphenicol treatment of drinking water on the staphylococcal flora of the air of a laying hen battery] Müller W, et al. **Berl Munch Tieraerztl Wochenschr** 89(12):240–43, 15 JUN 76 **(Ger)**

[The problem of water contamination with amebic meningitis] Piekarski G. **Immun Infekt** 3(3):135, Jul 75 **(Ger)**

[Examinations of drinking water in the national public health laboratories (author's transl)] Kudicke H. **Oeff Gesundheitswes** 37(10):645–50, Oct 75 (Eng. Abstr.) **(Ger)**

[Salmonellas in surface waters—risk for bathers?] Albrecht J, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):59–64, 1975 **(Ger)**

[Evaluation of open waters for bathing purposes] Althaus H, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):45–58, 1975 **(Ger)**

[E. coli titer and salmonella incidence in coastal waters] Havemeister G. **Schriftenr Ver Wasser Boden Lufthyg** (43):19–30, 1975 **(Ger)**

[Incidence and amoeba in swimming pool water] Mahn E, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):168–75, 1975 **(Ger)**

[International activities in 1974 for the characterization of water quality near seacoasts] Müller G. **Schriftenr Ver Wasser Boden Lufthyg** (43):15–8, 1975 **(Ger)**

[Comparative hygienic-microbiological studies on variously polluted bathing lakes] Tiefenbrunner F, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):65–81, 1975 **(Ger)**

[Incidence of Salmonella in coastal waters of the Kiel Bay from the epidemiological viewpoint] Waldvogel B. **Schriftenr Ver Wasser Boden Lufthyg** (43):39–43, 1975 **(Ger)**

[Amoeba meningoencephalitis (AME). (Swimming pool amoebiasis)] Werner H. **Schriftenr Ver Wasser Boden Lufthyg** (43):177–80, 1975 **(Ger)**

[Iron oxidizing rod-shaped bacteria. I. Studies in media containing Fe (II)oxalate] **Z Allg Mikrobiol** 15(8):605–14, 1975 **(Ger)**

[Demonstration of Siderocapsaceae in natural habitats] Hoenen K, et al. **Z Allg Mikrobiol** 15(8):639–43, 1975 **(Ger)**

[Significance of virus isolation from surface waters in terms of municipal hygiene] Walter R, et al. **Z Gesamte Hyg** 20(10):691–9, Oct 74 (Eng. Abstr.) **(Ger)**

[Salmonella contamination of the Danube in Bratislava by sewage. 2nd communication (author's transl)] Kadlecová O. **Zentralbl Bakteriol [Naturwiss]** 130(2):144–56, 1975 (Eng. Abstr.) **(Ger)**

[The behavier of Pseudomonas aeruginosa in surface water, cooling water and waste water (author's transl)] Botzenhart K, et al. **Zentralbl Bakteriol [Orig B]** 161(1):72–83, Sep 75 (Eng. Abstr.) **(Ger)**

[Water disinfection by means of chlorine: killing of aggregate bacteria (author's transl)] Carlson S, et al. **Zentralbl Bakteriol [Orig B]** 161(3):233–47, Dec 75 **(Ger)**

[Is the examination of drinkable water and swimming pools on presence of enteropathogenic E. coli necessary? (author's transl)] Dragaš AZ, et al. **Zentralbl Bakteriol [Orig B]** 160(1):60–4, 1975 (Eng. Abstr.) **(Ger)**

[Myxobacteria of the Myxococcus family as indirect indicators of fecal matter in surface water. I. Communication (author's transl)] Gräf W. **Zentralbl Bakteriol [Orig B]** 160(1):28–39, 1975 (Eng. Abstr.) **(Ger)**

[The detection of spores of the bacillus species within the scope of the hygienic control of water pollution (author's transl)] Schubert RH. **Zentralbl Bakteriol [Orig B]** 160(2):155–62, Mar 75 (Eng. Abstr.) **(Ger)**

[The methylene-blue-reduction-test (MR-test) and the micro-TTC-test for the determination of substances as sole source of carbon in the taxonomy of Pseudomonas species (author's transl)] Schubert RH, et al. **Zentralbl Bakteriol [Orig B]** 160(1):50–9, 1975 (Eng. Abstr.) **(Ger)**

[On bacterial aftergrowth in drinking and industrial water. II. Apparative and processing influence upon the growth and the possibility of disinfection of ion exchange resin filter systems (author's transl)] Schubert RHW. **Zentralbl Bakteriol [Orig B]** 161(3):248–65, Dec 75 (Eng. Abstr.) **(Ger)**

[Comparative studies on the action of chlorine and ozone on polioviruses in the reprocessing of drinking water in Essen (author's transl)] Thraenhart O, et al. **Zentralbl Bakteriol [Orig B]** 160(4–5):305–41, Jul 75 (Eng. Abstr.) **(Ger)**

[Surveys on the occurrence of Vibrio parahaemolyticus on fish caught in the Southern Central Baltic Sea in comparison with other European results (author's transl)] Zaleski S, et al. **Zentralbl Bakteriol [Orig B]** 161(3):288–94, Dec 75 (Eng. Abstr.) **(Ger)**

[Systematic study of saprophytic leptospirae isolated in Brazil] Silva I. **Ann Ist Super Sanita** 10(1–2):21–5, 1974 (Eng. Abstr.) **(Ita)**

[Studies on the spread of Vibrio cholerae, biotype El Tor in the environment during the period following the 1973 epidemic in Apulia] Leogrande G, et al. **Ann Sclavo** 17(3):480–8, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Microbiological characteristics of coastal waters in the district of Catania] Nicoletti G, et al. **Ann Sclavo** 17(3):283–98, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Presence of salmonellae, E. coli and their homologous phages in the seawater] Reali D, et al. **Ann Sclavo** 17(6):842–58, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Evidence of potentially pathogenic fungi in the swimming pool water] Tiano P, et al. **Ann Sclavo** 17(2):190–2, Mar–Apr 75 **(Ita)**

[Bacterial pollution of the coastal water in the Province of Rome] Zucchetti P, et al. **Ann Sclavo** 17(4):543–63, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Experimental studies on the culture media used for isolation of enterococci from waters] Cavazzini G, et al. **Nuovi Ann Ig Microbiol** 26(4):247–62, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Comparative study of some culture media for use in determination of coliform organisms] Pagano A, et al. **Nuovi Ann Ig Microbiol** 25(4):284–97, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Viral contamination of the waters of the Tiber river] Paná A, et al. **Nuovi Ann Ig Microbiol** 25(4):251–61, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Effectiveness of ultrasonics in enterovirus elution from concentrating membranes] Pana' A, et al. **Nuovi Ann Ig Microbiol** 25(4):298–305, Jul–Aug 74 (Eng. Abstr.) **(Ita)**

[Alterations caused by yeasts in vegetable flavoured soft drinks: effects of the manufacturing water (author's transl)] Turtura GC, et al. **Riv Sci Tecn Nutr Um** 5(3):183–7, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Isolation and serotyping distribution of Pseudomonas aeruginosa from river water] Kodama H, et al. **J Jpn Assoc Infect Dis** 49(10):385–93, Oct 74 (Eng. Abstr.) **(Jpn)**

[Survival of Salmonella typhi in urban water system and coastal sea water] Nishio T, et al. **J Jpn Assoc Infect Dis** 49(11):426–34, Nov 74 (Eng. Abstr.) **(Jpn)**

[Water from flower vases as a reservoir of opportunistic microorganisms in a hospital environment] Perkowski H, et al. **Przegl Epidemiol** 29(3):349–54, 1975 (Eng. Abstr.) **(Pol)**

[Bacterial indices of water pollution in swimming pools with reference to various methods of water disinfection] Haman S. **Rocz Panstw Zakl Hig** 26(6):675–82, 1975 (Eng. Abstr.) **(Pol)**

[Bacterial flora of water in indoor swimming pools] Haman S. **Rocz Panstw Zakl Hig** 27(1):71–81, 1976 (Eng. Abstr.) **(Pol)**

[Staphylococci, fecal streptococci and coliform bacteria in the water of indoor swimming pools in selected Polish cities] Haman S, et al. **Rocz Panstw Zakl Hig** 27(3):241–9, 1976 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. I. Quantitative comparison of the occurrence of coliform bacteria and Streptococcus faecalis in human feces] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 27(2):133–5, 1976 (Eng. Abstr.) **(Pol)**

[Isolation and classification of Listeria monocytogenes from sewage water] Hofer E. **Mem Inst Oswaldo Cruz** 73(1–2):31–8, 1975 (Eng. Abstr.) **(Por)**

[The pathogenic potential of some natural water basins demonstrated by the incidence of Salmonella genus bacteria] Finichiu M. **Rev Ig [Bacteriol]** 19(4):325–30, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

[Experimental study of the action of pesticides on the microflora of reservoirs] Aleshnia EP. **Gig Sanit** (6):97–9, Jun 76 **(Rus)**

[The choice of strains in investigations for hygienic standardization of the bacterial composition of drinking water] Belakovskil MS. **Gig Sanit** (12):72–5, Dec 75 **(Rus)**

[Findings of Salmonella in sewage and in the water of surface reservoirs] Cherkinskil SN, et al. **Gig Sanit** (2):17–20, Feb 75 (Eng. Abstr.) **(Rus)**

[Sanitary–bacterial study of the effectiveness of decontamination of the waste water of Voroshilovgrad in agricultural field irrigation] Datsenko MF, et al. **Gig Sanit** (8):93–4, Aug 75 **(Rus)**

[The bactericidal treatment of recirculation water in a ventilation–moistening chamber] Garas'ko EV, et al. **Gig Sanit** (5):99–100, May 75 **(Rus)**

[Behavior of pathogenic and sanitary indicator bacteria under conditions of reservoir pollution by organophosphate pesticides] Iurovskaia EM. **Gig Sanit** (9):102–3, Sep 75 **(Rus)**

[Evaluation of methods of isolation of pathogenic intestinal microflora from water] Klimenkova KM. **Gig Sanit** (8):86, Aug 75 **(Rus)**

[The survival of certain microorganisms in ordinary water and melted snow] Lastkov OA, et al. **Gig Sanit** (4):100–1, Apr 75 **(Rus)**

[Some problems of sanitary microbiology] Mirzoev GG. **Gig Sanit** (8):107–9, Aug 75 **(Rus)**

[Sanitary–hygienic evaluation of the circulating water supply on railroads] Ovchinkin IP, et al. **Gig Sanit** (8):85–6, Aug 75 **(Rus)**

[Effect of impulse electric discharges on water microorganisms] Pavlovich SA, et al. **Gig Sanit** (8):110–1, Aug 75 **(Rus)**

[The effect of polyvinylchloride on water microorganisms] Sheftel' VO, et al. **Gig Sanit** (4):99–100, Apr 75 **(Rus)**

[The problem of studying the antigenic structure of water Vibrio] Vasilenko PV, et al. **Gig Sanit** (4):103–6, Apr 75 **(Rus)**

[Utilization of cationic polyelectrolytes for purifying water of viruses] Veltser Iul, et al. **Gig Sanit** (3):10–3, Mar 76 (Eng. Abstr.) **(Rus)**

[Effect of a magnetic field on Escherichia coli] Chizhov SV, et al. **Kosm Biol Aviakosm Med** 9(5):26–31, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Sorption method of water regeneration for cosmonaut personal hygiene] Gaidadymov VA, et al. **Kosm Biol Aviakosm Med** 10(1):73–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Pseudomonas fluorescens bacteria as pathogens of mosquito larvae] Mikhnovskaia ND, et al. **Med Parazitol (Mosk)** 44(6):690–3, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Detection of Metarrhizium anisopliae (Metsch.) Sorokin (Deuteromycetes, Moniliales) fungus in larvae and pupae of horseflies in Kazakhstan] Saubenova OG, et al. **Med Parazitol (Mosk)** 44(6):733–5, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Change in the indices of direct count of bacteria in cultures and pond water at different pH] Akimov VA. **Mikrobiologiia** 44(1):163–5, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Determination of the rate of microbiological oxidation of methane using 14CH4] Beliaev SS, et al. **Mikrobiologiia** 44(3):542–5, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Intensity of bacterial methane formation in ooze deposits in lakes] Beliaev SS, et al. **Mikrobiologiia** 44(2):309–12, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Radioisotope method of determining the intensity of bacterial methane formation] Belizev SS, et al. **Mikrobiologiia** 44(1):166–8, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Fractionation of stable sulfur isotopes during microbiological processes in Slavyansk lakes] Chebotarev EN, et al. **Mikrobiologiia** 44(2):304–8, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[The number and respiratory intensity of bacterioplankton in the South Ural lakes] Drabkova VG. **Mikrobiologiia** 45(2):358–64, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[New filamentous photosynthesizing green bacteria with gas vacuoles] Dubinina GA, et al. **Mikrobiologiia** 44(3):511–7, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Growth and development of extreme–thermophilic bacteria at 70 degrees] Egorova LA. **Mikrobiologiia** 44(1):141–6, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Distribution of highly thermophilic, nonsporulating bacteria in the hot springs of Tadzhikistan] Egorova LA, et al. **Mikrobiologiia** 44(5):938–42, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Role of phenol–decomposing microorganisms in the process of phenol destruction in the Black Sea] Ermolaev KK, et al. **Mikrobiologiia** 44(5):928–32, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Bacterial uptake of organic matter in waters of different degrees of pollution] Fursenko MV. **Mikrobiologiia** 44(3):505–10, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Thermophilic nitrifying bacteria from hot springs] Golovacheva RS. **Mikrobiologiia** 45(2):298–301, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Characteristics of filamentous phototrophic bacteria from freshwater lakes] Gorlenko VM. **Mikrobiologiia** 44(4):756–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[New variant of the method for direct count of bacteria in water] Iagodka SN. **Mikrobiologiia** 44(1):169–71, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Study of ron–manganese microorganisms by the overgrowth technic] Kutuzova RS. **Mikrobiologiia** 44(1):156–9, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Ecology of the obligate thermophilic bacteria] Loginova LG, et al. **Mikrobiologiia** 44(3):489–91, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Thermus ruber obligate thermophilic bacteria in the thermal springs of Kamchatka] Loginova LG, et al. **Mikrobiologiia** 44(4):661–5, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Generation time of pure cultures of heterotrophic microorganisms isolated from Lake Baikal] Maksimova EA, et al. **Mikrobiologiia** 44(6):1098–102, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Annual production of bacterioplankton in the deep sea area of Southern Baikal] Maksimova EA. **Mikrobiologiia** 45(1):161–5, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Vertical distribution of heterotrophic bacteria in the western half of the Indian ocean] Mitskevich IN, et al. **Mikrobiologiia** 44(3):498–504, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Total count, biomass and production of microorganisms in the water of the South Sea] Mitskevich IN, et al. **Mikrobiologiia** 44(5):921–7, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Microflora of underground waters in oil and gas fields of Mangyshlak] Munbaeva OT, et al. **Mikrobiologiia** 44(2):321–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Microflora of active ooze participating in the decomposition of sulfanilic acid] Orshanskaia FB, et al. **Mikrobiologiia** 44(1):160–2, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Dynamics of growth of mesophilic and thermophilic microflora from hot springs] Pozmogova IN. **Mikrobiologiia** 44(2):313–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Use of C14 labeled phenol for determining its content and the rate of its consumption by the microflora of reservoirs] Romanenko VI, et al. **Mikrobiologiia** 45(1):166–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Biogenic elements and sulfate reduction in a flooded oil carbonate stratum] Rozanova EP, et al. **Mikrobiologiia** 45(2):365–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of elevated hydrostatic pressure on the activity of catabolic enzymes in barotolerant bacteria] Stupakova TP. **Mikrobiologiia** 44(1):174–6, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Characteristics of sulfur bacteria from lakes of the Mari ASSR] Vainshtein MB. **Mikrobiologiia** 44(1):151–5, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Arthrobacter siderocapsulatus isolated from lake water] Zhdanov AV, et al. **Mikrobiologiia** 44(4):714–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Metabolism of monocarbon compounds during biological purification of sewage waters] Makeeva EN, et al. **Prikl Biokhim Mikrobiol** 11(3):367–73, May–Jun 75 (Eng. Abstr.) **(Rus)**

[Health aspects of the microbial contamination of reservoirs] Nikolaeva TA, et al. **Vestn Akad Med Nauk SSSR** (3):46–52, 1975 (Eng. Abstr.) **(Rus)**

[Health aspects of the study of Bdellovibrio bacteriovorus as a natural factor in the self–purification of reservoirs] Sidorenko GI, et al. **Vestn Akad Med Nauk SSSR** (3):52–8, 1975 **(Rus)**

[Determination of the microbial count in sewage] Sadykova VI. **Veterinariia** (7):38–9, Jul 76 **(Rus)**

[Use of desalinated seawater on ships at sea] Obrekht SD, et al. **Voen Med Zh** (6):55–6, Jun 75 **(Rus)**

[Microbial count as an index of the possibility of transport of mineral waters] Kudlaenko LN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (2):181, Mar–Apr 75 **(Rus)**

[The role of the water factor in the spread of dysentery on river vessels] Ioirish AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):104–6, May 76 **(Rus)**

[Water epidemic of tularemia in co–operative farm Janík members in the Košice–country district (author's transl)] Mittermayer T, et al. **Cas Lek Cesk** 115(12):354–7, 26 Mar 76 (Eng. Abstr.) **(Slo)**

[Fishing seawater microbiology of the Mar de Plata] Halbinger RE, et al. **Rev Asoc Argent Microbiol** 7(2):44–8, May–Aug 75 (Eng. Abstr.) **(Spa)**

[Resistance factors to antibiotics and sulfamides of enterobacteriaceae isolated from water and sediments of the middle Paraná river (region of Santa Fé–Paraná)] Tessi MA. **Rev Asoc Argent Microbiol** 6(2):62–74, May–Aug 74 (Eng. Abstr.) **(Spa)**

[Enterobacteriaceae in fresh river water] Castillo G, et al. **Rev Lat Am Microbiol** 17(4):213–9, Oct–Dec 75 (Eng. Abstr.) **(Spa)**

[Bases for the adaptation and experimentation of a new methoologic concept applicable to ecological studies, including plate counts of water and soil microflora] Emiliani F, et al. **Rev Lat Am Microbiol** 17(4):207–10, Oct–Dec 75 (Eng. Abstr.) **(Spa)**

[Technical standards of microbiological analysis of drinking water] Ruiz Merino J. **Rev Sanid Hig Publica (Madr)** 48(2):89–114, Feb 75 (Eng. Abstr.) **(Spa)**

[I. The importance of enteric phages in the hygienic control of polluted water samples] Guélin A. **Mikrobiyol Bul** 10(1):67–72, Jan 76 (Eng. Abstr.) **(Tur)**

[II. The process of spontaneous bacteriolysis in water and micropredator bacteria] Guélin A. **Mikrobiyol Bul** 10(1):73–5, Jan 76 (Eng. Abstr.) **(Tur)**

[Problems of toxin formation in blue–green algae] Andriiuk KI, et al. **Mikrobiol Zh** 37(1):67–72, Jan–Feb 75 (Eng. Abstr.) **(Ukr)**

[Yeast microflora of mineral water 'Naftusia' of the Truskavets spa] Kvasnikov EI, et al. **Mikrobiol Zh** 37(5):563–8, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

[Experimental removal of microorganisms from water by the contact coagulation method] Zelepukha SI, et al. **Mikrobiol Zh** 37(5):648–52, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

METHODS

Detection of salmonellae in foodstuffs, feces, and water by immunofluorescence. Cherry WB, et al. **Ann NY Acad Sci** 254:350–68, 30 Jun 75

[Problems in the hygienic evaluation of flowing waters] Dobberkau HJ. **Z Gesamte Hyg** 21(10):738–41, Oct 75 (Eng. Abstr.) **(Ger)**

STANDARDS

[The effectiveness of hygienic control measures shown on the example of drinking water] Felgenträger HJ, et al. **Z Gesamte Hyg** 22(1):20–6, Jan 76 (Eng. Abstr.) **(Ger)**

WATER MOVEMENTS

The hydrology of the coastal waters of Hong Kong. Morton B, et al. **Environ Res** 10(3):319–47, Dec 75

Some interpretations of dispersion measurements in aquifers. pp. 86–93. Cole JA.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Fissure flow and inter granular flow. pp. 67–8. Foster SS, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Some chemical tracers of groundwater flow. pp. 414–6. Hirsch H, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Computer simulation of pollution front movement. pp. 69–85. Sauty JP.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Flow tracing using isotopes. pp. 377–87. Smith DB.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Underground flow rates in cavernous and fissured limestones. pp. 409–13. Smith DI, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Testing aquitards for leakage. pp. 437–41. Witherspoon PA.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Effect of the Aswan High Dam on prevalence of schistosomiasis in Egypt. Malek EA. **Trop Geogr Med** 27(4):359–64, Dec 75

WATER POLLUTANTS

Microbial degradation of oil spills enhanced by a slow-release fertilizer. Olivieri R, et al. **Appl Environ Microbiol** 31(5):629–34, May 76

Environmental fate and biodegradability of benzene derivatives as studied in a model aquatic ecosystem. Lu PY, et al. **Environ Health Perspect** 10:269–84, Apr 75

Changes in the kidney peroxidase activity in fish exposed to some industrial pollutants. Mukherjee S, et al. **Environ Physiol Biochem** 5(5):300–7, 1975

Use of scanning x-ray microanalysis in the study of environmental problems in fishes. pp. 597–603. Van Coillie R, et al.
In: Johari O, Becker RP, ed. Scanning electron microscopy/1976/II. Chicago, IIT, 1976. W3 SC425N 9th v.2 1976.

The disposition of xenobiotics by fishes. pp. 203–11. Adamson RH, et al.
In: Khan MA, Bederka JP Jr, ed. Survival in toxic environments. New York, Academic Press, 1974. WA 670 S963 1973. (16 ref.)

The use of synthetic scavengers for the binding of heavy metals. pp. 329–32. Feick G, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Role of hydrous metal oxides in the transport of heavy metals in the environment (G. F. Lee). Discussion. pp. 149–53. Hem JD.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Role of hydrous metal oxides in the transport of heavy metals in the environment. pp. 137–47. Lee GF.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973. (45 ref.)

Experience with heavy metals in the Tennessee Valley Authority system. pp. 315–28. Nicholas WR, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Investigations of heavy metals and other persistent chemicals, Westernport Bay, Australia. pp. 247–50. Shapiro MA, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Movement and fate of mercury in an aquatic ecosystem. pp. 61–7. Báez AP, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

Tracer-aided studies of the movement of toxic elements in soil–plant–water systems under controlled conditions. pp. 23–34. Stewart JW, et al.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

Environmental degradation of the insect growth regulator 6,7–epoxy–1–(p+–ethylphenoxy)–3–ethyl–7–methylnonan (Ro 10–3108) in polluted water. Dorn S, et al. **J Agric Food Chem** 24(3):637–40, May–Jun 76

Effect of phosphatases on the persistence of organophosphorus insecticides in soil and water. Heuer B, et al. **J Agric Food Chem** 24(3):611–4, May–Jun 76

Morphometric study of trout gills: a light–microscopic method suitable for the evaluation of pollutant action. Huges GM, et al. **J Exp Biol** 64(2):447–60, Apr 76

Letter: Zinc research: an environmental hazard? Birks JL. **Lancet** 1(7971):1247, 5 Jun 76

Letter: Lead in water and mortality. Elwood PC, et al. **Lancet** 1(7962):748, 3 Apr 76

Plutonium isotope ratios in polychaete worms. Beasley TM, et al. **Nature** 262(5571):813–4, 26 Aug 76

Model for the accumulation of radionuclides in oysters and sediments. Hess CE, et al. **Nature** 258(5532):225–6, 20 Nov 75

Fish kill at low pH in a Norwegian river. Leivestad H, et al. **Nature** 259(5542):391–2, 5 Feb 76

Removal of trace levels of 2–acetylaminofluorene (2–AAF) from wastewater. Nony CR, et al. **Sci Total Environ** 4(2):155–63, Jul 75

Bioconcentration of xenobiotics in trout bile: a proposed monitoring aid for some waterborne chemicals. Statham CN, et al. **Science** 193(4254):680–1, 20 Aug 76

[Management of tritium produced by energy centers] Selleslagh E. **J Belge Radiol** 58(2):129–34, Mar–Apr 75 (Eng. Abstr.) **(Dut)**

[Model procedure for biological phosphate removal from communal waste water. III. Biological phosphate removal from biologically precleaned community waste water from a purification plant] Bringmann G, et al. **Gesund Ing** 96(10):249–51, Oct 75 **(Ger)**

[Fundamental studies on the movement of cadmium in animals and human beings (author's transl)] Koizumi N. **Jpn J Hyg** 30(2):300–14, Jun 75 (Eng. Abstr.) **(Jpn)**

[Barrier role of water purification installations with reference to certain heterocyclic compounds] Korolev AA, et al. **Gig Sanit** (8):15–7, Aug 75 (Eng. Abstr.) **(Rus)**

[Transformation of organic tin compounds in an aqueous environment] Mazaev VT, et al. **Gig Sanit** (3):17–20, Mar 76 (Eng. Abstr.) **(Rus)**

[Express methods of determining toxicity, MPEL and safety evaluation of chemical compounds in the external environment] Zaugol'nikov SD, et al. **Vestn Akad Med Nauk SSSR** (3):75–83, 1975 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Enhancement of lymphosarcoma transmission in Esox lucius and its epidemiologic relationship to pollution. Brown ER, et al. **Bibl Haematol** (43):245–51, Oct 75

Effects of pollution on freshwater fish. McKim JM, et al. **J Water Pollut Control Fed** 48(6):1544–1620, Jun 76 (480 ref.)

Drinking water and cancer mortality in Louisiana. Page T, et al. **Science** 193(4247):55–7, 2 Jul 76

ANALYSIS

Comparison of analytical methods for trace quantities of 2, 4, 6–trinitrotoluene. Jurinski NB, et al. **Am Ind Hyg Assoc J** 36(7):497–502, Jul 75

Simplified Kjeldahl nitrogen determination for seawater by a semiautomated persulfate digestion method. Adamski JM. **Anal Chem** 48(8):1194–7, Jul 76

Automated gas chromatographic procedure to analyze volatile organics in water and biological fluids. Dowty BJ, et al. **Anal Chem** 48(6):946–9, May 76

Automated method for the determination of total and inorganic mercury in water and wastewater samples. El–Awady AA, et al. **Anal Chem** 48(1):110–6, Jan 76

Automated determinations of dissolved organic carbon in lake water. Goulden PD, et al. **Anal Chem** 47(12):1943–6, Oct 75

Aqueous phase high speed liquid chromatographic separation and atomic absorption detection of amino carboxylic acid—copper chelates. Jones DR 4th, et al. **Anal Chem** 48(3):502–5, Mar 76

Rapid photochemical decomposition of organic mercury compounds in natural water. Kiemeneij AM, et al. **Anal Chem** 48(3):575–8, Mar 76

Characterization of trace metal—organic interactions by anodic stripping voltammetry. O'Shea TA, et al. **Anal Chem** 48(11):1603–7, Sep 76

Microgram determination of boron in surface waters by atomic emission sectrometry. Pierce FD, et al. **Anal Chem** 48(4):670–3, Apr 76

Fluorescence measurements of benzene, naphthalene, anthracene, pyrene, fluoranthene, and benzo(e)pyrene in water. Schwarz FP, et al. **Anal Chem** 48(3):524–8, Mar 76

Standardization of methods for the determination of traces of some volatile chlorinated aliphatic hydrocarbons in air and water by gas chromatography. **Anal Chim Acta** 82(1):1–17, Mar 76

A fluorescence method for studies of spent sulfite liquor and humic substances in sea water. Almgren T, et al. **Anal Chim Acta** 78(2):411–22, Sep 75

Determination of submicrogram amounts of lead in water and urine with 2,5–dimercapto–1,3,4–thiadiazole. Ben–Bassat AH, et al. **Anal Chim Acta** 83(1):403–8, May 76

Non–dispersive atomic–fluorescence spectrometry for the determination of mercury and its application to fish samples. Caupeil JE, et al. **Anal Chim Acta** 81(1):53–60, Jan 76

The spectrophotometric determination of arsenic in sea water, potable water and effluents. Haywood MG, et al. **Anal Chim Acta** 85(2):219–30, Sep 76

Determination of seven trace elements in natural waters after separation by solvent extraction and anion–exchange chromatography. Korkisch J, et al. **Anal Chim Acta** 79:207–18, Oct 75

The colorimetric determination of phosphates in water at low P.P.M. levels by automatic discrete–sample analysis. Ramírez–Muñoz J. **Anal Chim Acta** 78(2):431–8, Sep 75

A rapid method for the determination of methylmercury chloride in water samples by gas chromatography with a microwave emission spectrometric detector. Talmi Y, et al. **Anal Chim Acta** 85(1):203–8, Aug 76

A semi–automated method for the determination of inorganic, organic and total phosphate in sediments. Aspila KI, et al. **Analyst** 101(1200):187–97, Mar 76

A rapid method for the simultaneous determination of paraquat and diquat in pond and river waters by pyrolysis and gas chromatography. Cannard AJ, et al. **Analyst** 100(1197):848–53, Dec 75

Suppression of iron(III) interference in the determination of iron(II) in water by the 1,10–phenanthroline method. Fadrus H, et al. **Analyst** 100(1193):549–54, Aug 75

Determination of polyoxyethylene alkylphenyl ether non–ionic surfactants in waters. Favretto L, et al. **Analyst** 101(1200):198–202, Mar 76

An evaluation of the 3–methyl–2–benzothiazolinone hydrazone method for the determination of phenols in water and waste waters. Gales ME Jr. **Analyst** 100(1197):841–7, Dec 75

Determination of ammonia–, nitrate– and organic nitrogen in water and waste water with an ammonia gas–sensing electrode. McKenzie LR, et al. **Analyst** 100(1194):620–8, Sep 75

The determination of strontium–90 and strontium–89 in water without separation of strontium from calcium. Regan JG, et al. **Analyst** 101(1198):32–8, Jan 76

Metallic and non–metallic pollutants in the discharge water of varieties of industries. Singh NP, et al. **Bull Environ Contam Toxicol** 14(2):221–4, Aug 75

Pollution, mercury and the clinical chemist. Applegarth DA, et al. **Clin Biochem** 9(4):179, Aug 76

Levels of toxic metals in marine organisms collected from Southern California coastal waters. Fowler BA, et al. **Environ Health Perspect** 12:71–6, Dec 75

A modified procedure for the determination of nitrate in sediments and some natural waters. Afghan BK, et al. **Environ Lett** 9(1):59–73, 1975

Formation of trihalomethanes by chlorination of surface water. Bunn WW, et al. **Environ Lett** 10(3):205–13, 1975

A simplified phosphorus analysis technique. Elisenreich SJ, et al. **Environ Lett** 9(1):43–53, 1975

Hazard evaluation of dry deposition of 131I2 on surface waters in the vicinity of a nuclear power plant. Allen MD, et al. **Health Phys** 28(5):623–4, May 75

Cesium–137 and stable cesium in a hypereutrophic lake. Eyman LD, et al. **Health Phys** 28(5):549–55, May 75

Distribution of plutonium and americium in Bikini Atoll lagoon. Nevissi A, et al. **Health Phys** 28(5):539–47, May 75

Letter: Measuring 137Cs in sediment. Plato P. **Health Phys** 28(5):635–6, May 75

Plutonium—health implications for man. Plutonium in aqueous systems. Schell WR, et al. **Health Phys** 29(4):589–97, Oct 75

Gas chromatographic determination of thiofanox residues in soil, plants, and water. Chin WT, et al. **J Agric Food Chem** 23(5):963–6, Sep–Oct 75

Analysis of phosphorus–containing hydrolytic products of organophosphorus insecticides in water. Daughton CG, et al. **J Agric Food Chem** 24(2):236–41, Mar–Apr 76

Identification of the oxidative decomposition products of the boll weevil pheromone, grandlure, and the determination of the fate of grandlure in soil and water. Henson RD, et al. **J Agric Food Chem** 24(2):228–31, Mar–Apr 76

Detection of triazine herbicides and their degradation products in tile–drain water from fields under intensive corn (maize) production. Muir DC, et al. **J Agric Food Chem** 24(1):122–5, Jan–Feb 76

A test method for analyzing anionic or cationic surfactants in industrial water. Wang LK. **J Am Oil Chem Soc** 52(9):339–44, Sep 75

Analysis of pesticide residues by chemical derivatization. II. N–methylcarbamates in natural water and soils. Coburn JA, et al. **J Assoc Off Anal Chem** 59(1):188–96, Jan 76

Gas–liquid chromatographic determination of 3–trifluoromethyl–4–nitrophenol in natural waters. Coburn

JA, et al. **J Assoc Off Anal Chem** 59(4):862–5, Jul 76

Trace analysis of organic volatiles in water by gas chromatography–mass spectrometry with glass capillary columns. Bertsch W, et al. **J Chromatogr** 112:701–18, 29 Oct 75

Organic micropollutants in air and water. Sampling, gas chromatographic–mass spectrometric analysis and computer identification. Versino B, et al. **J Chromatogr** 122:373–88, 7 Jul 76

Chromatographic analysis of hydrocarbons in marine sediments and seawater. May WE, et al. **J Chromatogr Sci** 13(11):535–40, Nov 75

Estimation and evaluation of the radioactive contamination through a food web in an aquatic ecosystem (2). System analysis of the transfer of radionuclides through a food web. Aoyawa I, et al. **J Radiat Res (Tokyo)** 16(2):132–41, Jun 75

Letter: Blood–lead and domestic–water lead. Leger AS, et al. **Lancet** 2(7981):374, 14 Aug 76

Letter: Dried human umbilical cords and study of pollutants. Miller RW. **Lancet** 1(7954):315–6, 7 Feb 76

Letter: Duluth water revised. Coleman JR. **Minn Med** 59(2):95–7, Feb 76

Occurrence of plutonium and americium in plaice from the north–eastern Irish Sea. Pentreath RJ, et al. **Nature** 262(5571):814–6, 26 Aug 76

Low level determinations of environmental cadmium. Rosman KJ, et al. **Nature** 261(5562):685–6, 24 Jun 76

Insecticide residues in the Tuttle Creek Reservoir Ecosystem, Kansas–1970–71. Klaassen HE, et al. **Pestic Monit J** 9(2):89–93, Sep 75

Mussels (mytilus sp.) as an indicator of lead pollution. Chow TJ, et al. **Sci Total Environ** 6(1):55–63, Jul 76

Field evaluation of benzopyrene hydroxylase induction as a monitor for marine petroleum pollution. Payne JF. **Science** 191(4230):945–6, 5 Mar 76

Man–made radionuclides and sedimentation in the Hudson River estuary. Simpson HJ, et al. **Science** 194(4261):179–83, 8 Oct 76

[Mercury pollution of the superficial sediments of the Gulf of Lion] Arnoux A, et al. **C R Acad Sci [D] (Paris)** 281(11):743–6, 15 Sep 75 (Eng. Abstr.) **(Fre)**

[Evidence of benzo–3, 4–pyrene in the water and organic sediments of briny pools of polynesian atolls. Biotic and abiotic factors] Niaussat PM, et al. **C R Acad Sci [D] (Paris)** 281(14):1031–4, 6 Oct 75 (Eng. Abstr.) **(Fre)**

[Pollution caused by lead and mercury] Lob M. **Soz Praeventivmed** 20(2):73–8, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

[Emissions of urea herbicides in the Federal Republic of Germany] Lahmann E, et al. **Gesund Ing** 97(4):70–2, Apr 76 **(Ger)**

[Determination of heavy metals in river waters with the aid of radionuclide X–ray fluorescence analysis] Meier H, et al. **Mikrochim Acta** 1(5–6 Pt. 1):505–17, May 75 (Eng. Abstr.) **(Ger)**

[Establishing hygienic margins for water pollutants, illustrated on the example of DDT and Lindane] Koch R, et al. **Z Gesamte Hyg** 20(4):219–22, Apr 74 (Eng. Abstr.) **(Ger)**

[Problems of complex norms in hygiene concerning the permissible concentrations of chemical substances in the environment] Sidorenko GI, et al. **Z Gesamte Hyg** 20(11):758–60, Nov 74 (Eng. Abstr.) **(Ger)**

[Experimental studies on the thin–layer chromatographic separation and identification of isomeric toluidines in waters, using specific spary reagents] Thielemann H, et al. **Z Gesamte Hyg** 21(2):129–31, Feb 75 (Eng. Abstr.) **(Ger)**

[Water quality and environmental pollution of rivers (author's transl)] Kodama J. **Jpn J Clin Pathol** 23(3):181–5, Mar 75 **(Jpn)**

[Accumulation and transportation of methylmercury through the food chain reproduced in the model stream and its comparison to direct uptake from the water (author's transl)] Fujita M, et al. **Jpn J Hyg** 30(5):562–73, Dec 75 (Eng. Abstr.) **(Jpn)**

[A case of ground water contaminations with oil–products wastes] Anan'ev NI, et al. **Gig Sanit** (10):97–8, Oct 75 **(Rus)**

[Determination of residues of phenoxyalkane carboxylic acid derivative herbicides (2, 4–D, 2M–4X and 2, 4–DM) in water by chromatographic methods] Chmil' VD. **Gig Sanit** (4):66–9, Apr 76 **(Rus)**

[Hygienic assessment of a standard installation for decontaminating waste waters from a cattle–breeding complex] Fishman BB. **Gig Sanit** (10):95–6, Oct 75 **(Rus)**

[The effectiveness of decontamination of effluents at the Shostinsky 50th anniversary of the USSR chemical plant] Ipatova AA, et al. **Gig Sanit** (4):101–2, Apr 75 **(Rus)**

[Determination of 1, 2–dichloroethane and carbon tetrachloride in water by means of gas–liquid chromatography] Keda BI, et al. **Gig Sanit** (4):64–6, Apr 76 **(Rus)**

[Some approaches to the hygienic evaluation of the efficacy of ozonizing sewage polluted with chemical substances] Korolev AA. **Gig Sanit** (3):103–5, Mar 76 **(Rus)**

[Hygienic standardization of diethylbenzol in the water bodies] Meleshchenko KF. **Gig Sanit** (6):90–2, Jun 75 **(Rus)**

[A method of assessing the content of natural radioactive isotopes of the uranium and thorium in drinking water and food] Mordberg EL, et al. **Gig Sanit** (6):52–5, Jun 75 **(Rus)**

[An experimental substantiation of the maximum permissible concentration of dimide in water bodies] Novakova SP, et al. **Gig Sanit** (12):75–8, Dec 75 **(Rus)**

[Data to substantiate the permissible concentration of fenuron in water bodies] Perelygin VM, et al. **Gig Sanit** (10):22–5, Oct 75 (Eng. Abstr.) **(Rus)**

[Determination of small amounts of vinylacetate in the air, water, alcoholic solutions and food stuffs] Petroza LI, et al. **Gig Sanit** (6):48–9, Jun 75 **(Rus)**

[Determination of anthio and butyphose in the water by the method of thin layer chromatography] Popova NG, et al. **Gig Sanit** (6):50–1, Jun 75 **(Rus)**

[Substantiation of the maximum permissible concentration of niobium in water bodies] Sazhina IA, et al. **Gig Sanit** (6):8–10, Jun 75 (Eng. Abstr.) **(Rus)**

[Data for substantiation of the maximum permissible concentration of yalan in water bodies] Vrochinskii KK, et al. **Gig Sanit** (10):104–5, Oct 75 **(Rus)**

[Accidental pollution of the estuary of La Coruna by mercury compounds and their evolution] Mariño M, et al. **Rev Sanid Hig Publica (Madr)** 48(3):187–210, Mar 74 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Development of SIRA process for brackish water demineralization by ion exchange. Boari G, et al. **Ion Exch Membr** 2(2):127–30, Dec 75

Accumulation of radionuclides in coastal sediment of Japan (II). Contents of fission products in some coastal sediments collected in 1966–1972. Nakamura K, et al. **J Radiat Res (Tokyo)** 16(3):184–92, Sep 75

[Utilization of cationic polyelectrolytes for purifying water of viruses] Veltser IuI, et al. **Gig Sanit** (3):10–3, Mar 76 (Eng. Abstr.) **(Rus)**

[Quantitative determination of the enteroviruses from waters with a varying degree of pollution] Zotova VI, et al. **Gig Sanit** (3):63–5, Mar 76 **(Rus)**

PHARMACODYNAMICS

Coughing in the rainbow trout (Salmo gairdneri) and the influence of pollutants. Hughes GM. **Rev Suisse Zool** 82(1):47–64, May 75

POISONING

Letters to the editor: The parable of the wounded man. Marcus SJ. **Am J Public Health** 66(2):181, Feb 76

Arsenical intoxication due to pollution. Degreef H, et al. **Arch Belg Dermatol** 30(1):35–8, Jan–Mar 74

Effects of selected water toxicants on the in vitro activity of fish carbonic anhydrase. Christensen GM, et al. **Chem Biol Interact** 13(2):181–92, May 76

Studies on the women with acquired Fanconi syndrome observed in the Ichi river basin polluted by cadmium. Is this Itai–itai disease? Nogawa K, et al. **Environ Res** 10(2):280–307, Oct 75

Histopathological lesions in the hepatopancreas of fishes exposed to industrial pollutants. Mukherjee S, et al. **Indian J Exp Biol** 13(6):571–3, Nov 75

[Changes in the paramagnetic properties of Chlorella exposed to toxic chemical compounds] Apasheva LM, et al. **Dokl Akad Nauk SSSR** 228(3):723–5, 21 Jun 76 **(Rus)**

TOXICITY

Methods for predicting chronic toxicity parameters of substances in the area of water hygiene. Shigan SS. **Environ Health Perspect** 13:83–9, Feb 76

Effects of polluted and non–polluted sediments on the growth of Gonyaulax tamarensis. Hanson S, et al. **Environ Lett** 9(1):33–41, 1975

Steroidogenesis in vitro in the harp seal (Pagophilus groenlandicus) without and with methyl mercury treatment in vivo. Freeman HC, et al. **Environ Physiol Biochem** 5(6):428–39, 1975

Syngerism between dissolved oxygen and cadmium toxicity in five species of aquatic insects. Clubb RW, et al. **Environ Res** 9(3):285–9, Jun 75

Acute cadmium toxicity studies upon nine species of aquatic insects. Clubb RW, et al. **Environ Res** 9(3):332–41, Jun 75

Methods to assess effects of combinations of toxicants, salinity and temperature on estuarine animals. pp. 167–77. Bahner LH, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Bioassay studies with polychaetes of the genus Ophryotrocha as test animals. pp. 121–35. Akesson B.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (14 ref.)

Vertebral damage in fish induced by pollutants. pp. 23–30. Bengtsson BE.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (40 ref.)

The role of water–sediment interaction, in the Ostend Sluicedock with regard to the toxicity of pollutants to invertebrate larvae. pp. 221–34. Benijts F, et al.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (8 ref.)

Chronic toxic effects of the water of the river Rhine upon rainbow trouts. pp. 81–91. Poels CL, et al.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (13 ref.)

Biodegradation and aquatic toxicity of surfactants: a laboratory monitoring method. pp. 53–9. Reiff B.
In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic aaimals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975. (3 ref.)

Toxic pollutant standards: paralysis or progress? Silter JT. **J Water Pollut Control Fed** 47(12):2734–8, Dec 75

Letter: Lead in water and mental retardation. Elwwod PC, et al. **Lancet** 1(7959):590–1, 13 Mar 76

Physiological effects of crude oil exposure in the striped mullet, Mugil cephalus. Yarbrough JD, et al. **Life Sci** 19(5):755–60, 1 Sep 76

[Toxicity of the PVC–plasticizer di(2–ethylhexyl)phthalate (author's transl)] Brevik EM. **Nord Vet Med** 28(4–5):226–32, Apr–May 76 (Eng. Abstr.) **(Dan)**

[Determination of the biological damage of water–endangering compounds by means of the inhibition of cell proliferation in the blue alga Microcystis] Bringmann G. **Gesund Ing** 96(9):238–41, Sep 75 **(Ger)**

[Hygienic standards for dibutyltin diisooctylthioglycolate in the water of reservoirs] Igumnov AS. **Gig Sanit** (2):13–7, Feb 75 (Eng. Abstr.) **(Rus)**

[Hygienic standardization of disodium salts of meta– and para–diisopropylbenzol in water reservoirs] Ilichkina AG. **Gig Sanit** (5):19–21, May 76 (Eng. Abstr.) **(Rus)**

[Hygienic study for the standardization of octogen in water reservoirs] Kagan GZ, et al. **Gig Sanit** (11):17–20, Nov 75 (Eng. Abstr.) **(Rus)**

[Experimental establishment of the maximum permissible concentration of the methyl and butyl esters of methacrylic acid in the water of reservoirs] Klimkina NV, et al. **Gig Sanit** (4):6–11, Apr 76 (Eng. Abstr.) **(Rus)**

[Experimental data on the hygienic standardization of diphenylamine and diphenyldiethylurea in water reservoirs] Korolev AA, et al. **Gig Sanit** (5):21–5, May 76 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the flotation agent T–66 in the water of reservoirs and its maximum permissable concentration] Kudrin LV, et al. **Gig Sanit** (7):43–6, Jul 75 (Eng. Abstr.) **(Rus)**

[Experimental research on the harmless levels of the herbicide linuron and dichlorophenyloxyurea in the water of reservoirs] Mironenko NN. **Gig Sanit** (7):46–9, Jul 75 (Eng. Abstr.) **(Rus)**

[Biologically active metabolites of blue–green algae and their effect on experimental animals] Orlovskii VM, et al. **Gig Sanit** (3):13–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Data on establishing a MPEL for DNOC in the water of reservoirs] Popov TA, et al. **Gig Sanit** (6):12–5, Jun 76 (Eng. Abstr.) **(Rus)**

[Experimental establishment of the maximum permissible concentrations of propachlor (Ramrod) in water] Strateva A. **Gig Sanit** (4):85–7, Apr 76 **(Rus)**

[Data on hygienic standards for potassium xanthogentes C2–C5 in the water reservoirs] Trofimovich EM, et al. **Gig Sanit** (6):95–7, Jun 76 **(Rus)**

[Study for the hygienic standardization of N–butylamines in water reservoirs] Trubko EI. **Gig Sanit** (11):21–3, Nov 75 (Eng. Abstr.) **(Rus)**

[Experimental and field research on the hygienic evaluation of drinking water containing boron] Verbitskaia GV. **Gig Sanit** (7):49–53, Jul 75 (Eng. Abstr.) **(Rus)**

WATER POLLUTANTS, CHEMICAL see under **WATER POLLUTANTS**

WATER POLLUTANTS, RADIOACTIVE see under **WATER POLLUTANTS**

WATER POLLUTION

An epidemic of gastroenteritis traced to a contaminated public water supply. Weissman JB, et al. **Am J Epidemiol** 103(4):391–8, Apr 76

Drinking water for the future. Okun DA. **Am J Public Health** 66(7):639–43, Jul 76

Association of enteroviruses with natural and artificially introduced colloidal solids in water and infectivity of solids–associated virions. Schaub SA, et al. **Appl Microbiol** 30(2):212–22, Aug 75

Antibodies against enteric bacteria in brown bullhead catfish (Ictalurus nebulosus, LeSueur) inhabiting contaminated waters. Troast JL. **Appl Microbiol** 30(2):189–92, Aug 75

Tumors in fish caught in polluted waters: possible explanations. Brown ER, et al. **Bibl Haematol** (40):47–57, 1975

Field experiment on the effect of municipal sewage on macrophytes and epifauna in the lake littoral. Ozimek T, et al. **Bull Acad Pol Sci [Biol]** 23(7):447–55, 1975

Letter: The Environmental Protection Agency. p. 407. Tucker MC.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Groundwater pollution in Europe. A look to the future. pp. 458–64.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Hydrogeological factors in groundwater pollution. pp.

30–66. Blair AH.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Bibliography on groundwater pollution. pp. 465–99. Cole JA, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Agricultural pollution in the 'Hierdense Beek' area, Gelderland, the Netherlands. pp. 292–4. Dorfmeijer R.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Defining the spread of groundwater contamination below a waste tip. pp. 215–41. Exler HJ.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Fissure flow and inter granular flow. pp. 67–8. Foster SS, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Local studies of miscible pollutions of groundwater: the single well pulse technique. pp. 388–406. Fried JJ, et al.
In: Cole JA. ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Migration of liquid industrial waste from a gravel pit. pp. 296–8. Goldthorp GD, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Microbiological aspects of groundwater pollution. pp. 167–202. Hutchinson M.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Colliery spoil heaps. p. 252. James TE.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Travel time from surface to well. p. 289. Milne DM.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Research at WPRL related to groundwater pollution problems. pp. 153–63. Montgomery HA, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Pollution affecting wells in the Bunter Sandstone. pp. 116–25. Nicholls GD.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
The routine discharge of effluents to the underground—practice and control. pp. 148–52. Nicolson NJ.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Computer simulation of pollution front movement. pp. 69–85. Sauty JP.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Flow tracing using isotopes. pp. 377–87. Smith DB.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Extracts relating to instances of groundwater pollution. pp. 500–16. Stringer JL.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Pollution of flood plain gravels by gas works waste. pp. 303–7. Toft HP.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Incidents of algal and bacterial pollution near Brighton. pp. 203–13. Warren SC.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Outbreaks of waterborne disease in the United States, 1974. Horwitz MA, et al. **J Infect Dis** 133(5):588–93, May 76 (17 ref.)
Pseudomonas aeruginosa–fecal coliform relationships in estuarine and fresh recreational waters. Cabelli VJ, et al. **J Water Pollut Control Fed** 48(2):367–76, Feb 76
Water pollution. Freshwater macroinvertebrates. Ischinger LS. **J Water Pollut Control Fed** 47(6):1520–38, Jun 75 (182 ref.)
Water pollution. Freshwater macroinvertebrates. Ischinger LS, et al. **J Water Pollut Control Fed** 48(6):1318–35, Jun 76 (161 ref.)
Bioassays—procedures and results. Little LW. **J Water Pollut Control Fed** 48(6):1356–66, Jun 76 (122 ref.)
Effects of pollution on freshwater fish. McKim JM, et al. **J Water Pollut Control Fed** 47(6):1711–68, Jun 75 (409 ref.)
Marine and estuarine pollution. Reish DJ. **J Water Pollut Control Fed** 47(6):1617–35, Jun 75 (210 ref.)
Cholera transmission near a cholera hospital. Levine RJ, et al. **Lancet** 2(7976):84–6, 10 Jul 76
Acid precipitation and embryonic mortality of spotted salamanders, Ambystoma maculatum. Pough FH. **Science** 192(4234):68–70, 2 Apr 76
Salmonellae with antibiotic resistance and R plasmids in Danube River. Janoušková J, et al. **Zentralbl Bakteriol [Orig A]** 233(4):495–504, Dec 75
[Salmonella growth in the water of the Ostend and Zeebrugge harbor ccmplex] Oye E, et al. **Arch Belg Med Soc** 33(4):227–36, Apr 75 (Eng. Abstr.) **(Dut)**
[Ciguatera in the Maldive Islands] Lagraulet J. **Bull Soc Pathol Exot** 68(5):511–5, Sep–Oct 75 (Eng. Abstr.) **(Fre)**
[Slaughterhouse waste waters and their influence on epidemiology (author's transl)] Leclerc H, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):429–44, Oct–Dec 75 (Eng. Abstr.) **(Fre)**
[Evaluation of open waters for bathing purposes] Althaus H, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):45–58, 1975 **(Ger)**
[Health hazards through bathing in coastal waters of the North Sea] Schaeffer CO. **Schriftenr Ver Wasser Boden Lufthyg** (43):7–14, 1975 **(Ger)**
[Problems of swimming–pool hygiene—report of experiences] Steuer W, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):101–9, 1975 **(Ger)**
[Salmonella contamination of the Danube in Bratislava by sewage. 2nd communication (author's transl)] Kadlecová O. **Zentralbl Bakteriol [Naturwiss]** 130(2):144–56, 1975 (Eng. Abstr.) **(Ger)**
[Is the examination of drinkable water and swimming pools on presence of enteropathogenic E. coli necessary? (author's transl)] Dragaš AZ, et al. **Zentralbl Bakteriol [Orig B]** 160(1):60–4, 1975 (Eng. Abstr.) **(Ger)**
[Myxobacteria of the Myxococcus family as indirect indicators of fecal matter in surface water. 1. Communication (author's transl)] Gräf W. **Zentralbl Bakteriol [Orig B]** 160(1):28–39, 1975 (Eng. Abstr.) **(Ger)**
[The detection of spores of the bacillus species within the scope of the hygienic control of water pollution (author's transl)] Schubert RH. **Zentralbl Bakteriol [Orig B]** 160(2):155–62, Mar 75 (Eng. Abstr.) **(Ger)**
[Fecal streptococci as indicators of fecal water contamination. I. Quantitative comparison of the occurrence of coliform bacteria and Streptococcus faecalis in human feces] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 27(2):133–5, 1976 (Eng. Abstr.) **(Pol)**
[Balanidae as indicators of pollution in the Bay of Guanabara] Lacombe D, et al. **Rev Bras Biol** 34(4):633–43, 1974 (Eng. Abstr.) **(Por)**
[Bacterial uptake of organic matter in waters of different degrees of pollution] Fursenko MV. **Mikrobiologiia** 44(3):505–10, May–Jun 75 (Eng. Abstr.) **(Rus)**
[I. The importance of enteric phages in the hygienic control of polluted water samples] Guélin A. **Mikrobiyol Bul** 10(1):67–72, Jan 76 (Eng. Abstr.) **(Tur)**

ANALYSIS

A comparative study of water micropollutions at the surface and deep–well water intakes. Buczowska Z, et al. **Bull Inst Marit Trop Med Gdynia** 26(1):25–35, 1975
Water quality in Kiambu District Kenya. Muhammed SI, et al. **East Afr Med J** 52(5):269–76, May 75
The assessment of water quality. Harris DH. **Hum Factors** 17(2):139–48, Apr 75
Exploration of a chemical index in place of coliform count as an indicator of water pollution. Lamba DL, et al. **Indian J Med Res** 62(12):1808–17, Dec 74
A method for the use of indium as an activable tracer in pollution studies. Johansen O, et al. **Int J Appl Radiat Isot** 27(3):163–7, Mar 76
Klebsiella densities in waters receiving wood pulp effluents. Huntley BE, et al. **J Water Pollut Control Fed** 48(7):1766–71, Jul 76
[Shigella in seawater and in an estuary. I. Frequency of bacteriophages in polluted water] Dartevelle Z, et al. **Ann Microbiol (Paris)** 126B(1):95–7, Jul–Aug 75 **(Fre)**
[The microbiological pollution of North Sea and English Channel shore (author's transl)] Oger C, et al. **Ann Microbiol (Paris)** 125(4):513–27, Dec 74 (Eng. Abstr.) **(Fre)**
[Comparative hygienic–microbiological studies on variously polluted bathing lakes] Tiefenbrunner F, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):65–81, 1975 **(Ger)**
[Aspects on fish as an indicator of its environment] Jonas D, et al. **Tieraerztl Prax** 2(3):355–62, 1974 **(Ger)**
[Diffusion of atmospheric oxygen into the water as a function of the thickness of the layer of mineral oils on the water surface] Zyciński D, et al. **Rocz Panstw Zakl Hig** 26(4):433–8, 1975 (Eng. Abstr.) **(Pol)**
[Integral quantitative methods of biological indication of polluted waters in a large oligotrophic water body] Kreneva SV. **Dokl Akad Nauk SSSR** 229(1):253–5, JUL–AUG 76 **(Rus)**
[Findings of Salmonella in sewage and in the water of surface reservoirs] Cherkinskiĭ SN, et al. **Gig Sanit** (2):17–20, Feb 75 (Eng. Abstr.) **(Rus)**
[Methodological problems of investigating the pollution of marine littoral waters in their hygienic study] Novikov IuV, et al. **Gig Sanit** (9):79–86, Sep 75 (74 ref.) **(Rus)**
[Hygienic problems in prognosis of changes in the quality of ground waters in case of their enrichment with surface waters] Novikov IuV, et al. **Gig Sanit** (4):74–8, Apr 75 **(Rus)**
[Case of pollution of the water supply network] Sultanov GV, et al. **Gig Sanit** (4):91, Apr 76 **(Rus)**
[Fishing seawater microbiology of the Mar de Plata] Halbinger RE, et al. **Rev Asoc Argent Microbiol** 7(2):44–8, May–Aug 75 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The role of the Coast Guard in PCB pollution control. p. 453. MacDonald JA.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.
Groundwater pollution control. pp. 1–8. Mercer D.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Safeguarding the water supplies in Uppsala, Sweden. pp. 9–19. Sidenvall J.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Pollution prevention at two refuse tips. pp. 242–4. Swales GM, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Legal and technical aspects of groundwater pollution control. pp. 20–2. Yound DD.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.
Current regulations and enforcement experience by the Environmental Protection Agency. pp. 335–8. Schafer CJ, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.
Bacterial conditions of water in dental units. Thé SD, et al. **J Dent Res** 54(5):1064–8, Sep–Oct 75
Control of mercury pollution. Noyes OR, et al. **J Toxicol Environ Health** 1(3):409–20, Jan 76
Oyster–associated hepatitis. Failure of shellfish certification programs to prevent outbreaks. Portnoy BL, et al. **JAMA** 233(10):1065–8, 8 Sep 75
Critical species, including man, within the biosphere. Cairns J Jr. **Naturwissenschaften** 62(5):193–9, May 75
Controlling water pollution. Helmer R. **WHO Chron** 29(11):428–34, Nov 75
[Guidelines for pool construction and management] Carlson S, et al. **Schriftenr Ver Wasser Boden Lufthyg** (43):83–99, 1975 **(Ger)**
[Experiences in the supervision of swimming pools] Heintz A. **Schriftenr Ver Wasser Boden Lufthyg** (43):111–20, 1975 **(Ger)**
[The effectiveness of hygienic control measures shown on the example of drinking water] Felgenträger HJ, et al. **Z Gesamte Hyg** 22(1):20–6, Jan 76 (Eng. Abstr.) **(Ger)**
[Bdellovibrio bacteriovorus as an active factor of self purification of surface waters under hygienic aspects] Sidorenko GI, et al. **Z Gesamte Hyg** 21(12):874–6, 1975 **(Ger)**
[Hygienic assessment of a standard installation for decontaminating waste waters from a cattle–breeding complex] Fishman BB. **Gig Sanit** (10):95–6, Oct 75 **(Rus)**
[The bactericidal treatment of recirculation water in a ventilation–moistening chamber] Garas'ko EV, et al. **Gig Sanit** (5):99–100, May 75 **(Rus)**
[Data to substantiate the permissible concentration of fenuron in water bodies] Perelygin VM, et al. **Gig Sanit** (10):22–5, Oct 75 (Eng. Abstr.) **(Rus)**
[Sanitary–hygienic aspects of the use of new means of control of filtration in water bodies] Petrov RV, et al. **Gig Sanit** (5):105–6, May 75 **(Rus)**
[Protection of reservoirs from pollution with helminth eggs] Romanenko NA, et al. **Gig Sanit** (7):111–3, Jul 75 **(Rus)**
[Importance of hygienic research in solving the problems of protecting reservoirs at the present–day stage] Savelova VA, et al. **Gig Sanit** (7):10–2, Jul 75 **(Rus)**
[Features and normative provisions of the new regulations on the sanitary protection of marine littoral waters] Sidorenko GI, et al. **Gig Sanit** (7):3–7, Jul 75 (Eng. Abstr.) **(Rus)**
[The organization of work in protection of surface waters in Ryazan Region] Streliukina GA, et al. **Gig Sanit** (5):98–9, May 75 **(Rus)**
[Hygienic research methods in developing local schemes for protecting marine basin water resources] Tsaturova GA. **Gig Sanit** (1):54–6, Jan 76 **(Rus)**
[Local schemes for the complex utilization and protection of the water resources of the riverine and marine basins

of the Northern Caucasus] Tsaturova GA. **Gig Sanit** (4):88–9, Apr 76 **(Rus)**

[Sanitary protection of the water areas of the ports and coastal zones of the Black Sea basin] Voitenko AM, et al. **Gig Sanit** (6):99–100, Jun 76 **(Rus)**

WATER POLLUTION, CHEMICAL

see related
EUTROPHICATION

Investigating possible effects of abestos in city water: surveillance of gastrointestinal cancer incidence in Duluth, Minnesota. Levy BS, et al. **Am J Epidemiol** 103(4):362–8, Apr 76

Editorial: Facing up to the drinking water problem. Pond MA. **Am J Public Health** 66(7):635–6, Jul 76

The fate of pesticides in aquatic environment. I. The persistence of some organophosphorus pesticides in river water. Drevenkar V, et al. **Arh Hig Rada Toksikol** 26(4):257–66, 1975

A procedure for the detection of pollution by fish movements. Hall JW, et al. **Biometrics** 31(1):11–28, Mar 75

Investigation of the transport of metals and orthophosphate away from a sewage treatment plant outfall. Bailey SM, et al. **Environ Lett** 10(2):159–69, 1975

Saline pollution of two boreholes at Canvey Island. pp. 263–5.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Pollution of a spring source by silage liquor. pp. 374–6.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Notes on the disposal of toxic solid wastes. pp. 23–4.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Enduring pollution of groundwater by nitrophenols. pp. 308–9.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Saline pollution of underground supply at Leicester Lane Borehole. South Warwickshire Water Board, Leamington, Warwickshire, England. pp. 256–8.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Phenolic pollution in chalk at Beckton, Essex. pp. 299–302. Aspinwall R.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Naphtha leakage at Purfleet and spillage of leaded fuel at South Stifford, Essex. pp. 338–43. Aspinwall R.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Agricultural fertilizers, slurry disposal and nitrate pollution of groundwaters. pp. 275–84. Burford JR, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

The impact of organic pesticides and herbicides upon groundwater pollution. pp. 350–64. Croll BT.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

A recent case history of groundwater pollution by organic solvents. pp. 346–7. Day JB.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Nitrate pollution of chalk groundwater in East Yorkshire: a hydrogeological appraisal. pp. 269–74. Foster SS, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Petroleum pollution at Great Hospital, Norwich. pp. 344–5. Funnell BM, et al.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Some chemical principles of groundwater pollution. pp. 96–115. Hall ES.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Saline underseepage problems at Chowilla dam. pp. 266–8. Haws ET.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Dredge mining for rutile—effects on water quality. pp. 249–51. Herbert R.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Infiltration from farm silage. pp. 365–73. Richards HJ.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Nitrate pollution in North Lindsey chalk boreholes. pp. 290–1. Robertson JS.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Pollution in the Brighton seawater chalk. pp. 259–62. Warren SC.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

The distribution of mercury in fish and its form of occurrence (Rikuo Doi and Jun Ui). Discussion. pp. 223–7. D'Itri FM, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

The distribution of mercury in fish and its form of occurrence. pp. 197–221. Doi R, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973. (53 ref.)

Blood chemistry rhythm entrainment in mice: an analysis of effects from chromium poisoning. Gribble RE Jr.
Int J Chronobiol 2(4):313–9, 1974

Heavy metals and other trace elements. Leland HV.
J Water Pollut Control Fed 47(6):1635–56, Jun 75 (201 ref.)

Organics. Suffet IH, et al. **J Water Pollut Control Fed** 47(6):1169–241, Jun 75 (701 ref.)

Letter: Arsenic and non-cirrhotic portal hypertension. Datta DV. **Lancet** 1(7956):433, 21 Feb 76

Carcinogens in drinking water. Committee on environmental hazards. Miller RW. **Pediatrics** 57(4):462–4, Apr 76

Secondary effects of pesticides on aquatic ecosystems. Hurlbert SH. **Residue Rev** 57:81–148, 1975 (195 ref.)

[Course of the level of aliphatic and naphtenic hydrocarbons and of 3,4-benzopyrene in mussels taken in a coast area polluted by a fuel spill] Bories G, et al.
C R Acad Sci [D] (Paris) 282(17):1641–4, 3 May 76 (Eng. Abstr.) **(Fre)**

[Preliminary data on the presence of some metal elements by Mytilus galloprovincialis Lam. from the eastern coast of Sicily, detected by atomic absorption spectrophotometry] Castagna A, et al.
Boll Soc Ital Biol Sper 51(8):477–85, 15 Apr 75 **(Ita)**

[Research on the algal microflora in relation to the condition of eutrophication and pollution of the waters of the Arno River in the District of Florence] Filastó MN, et al.
Nuovi Ann Ig Microbiol 26(4):193–206, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Development of algae-macrophytes in conditions of oil pollution] Mironov OG, et al. **Biol Nauki** (5):53–6, 1975 **(Rus)**

[Behavior of pathogenic and sanitary indicator bacteria under conditions of reservoir pollution by organophosphate pesticides] Iurovskaia EM. **Gig Sanit** (9):102–3, Sep 75 **(Rus)**

[Transformation of chemical substances in reservoirs and in the process of water purification as a hygienic problem] Korolev AA, et al. **Gig Sanit** (7):83–8, Jul 75 **(Rus)**

[Chronic arsenic water pollution in the Republic of Argentina] Enrique Biagini R. **Med Cutan Iber Lat Am** 3(6):423–32, 1975 (Eng. Abstr.) **(Spa)**

ANALYSIS

Aquatic insects as biological monitors of heavy metal pollution. Nehring RB. **Bull Environ Contam Toxicol** 15(2):147–54, Feb 76

Total population density of crustacea and aquatic insecta as an indicator of fenthion pollution of river water. van Dyk LP, et al. **Bull Environ Contam Toxicol** 14(4):426–31, Oct 75

Contamination of tap water by lead pipe and solder. Wong CS, et al. **Bull Environ Contam Toxicol** 15(5):530–4, May 76

High ethylmercury in river fish by man-made pollution. Yamanaka S, et al. **Bull Environ Contam Toxicol** 14(4):409–14, Oct 75

Deep sea sedimentation. Biscaye PE.
Environ Health Perspect 9:177–8, Dec 74

Chrysotile in water. Speil S. **Environ Health Perspect** 9:161–3, Dec 74

Ferric oxyhydroxide microparticles in water. Whittemore DO, et al. **Environ Health Perspect** 9:173–6, Dec 74

The use of activable tracers in the evaluation of the performance of wastewater treatment plants. Craft TF, et al. **Environ Lett** 9(3):307–25, 1975

DDT in watershed draining the tobacco belt of southern Ontario. Frank R, et al. **Environ Qual Saf [Suppl]** 3:760–6, 1975

Transference of environmental pesticides and PCB into species of western Mediterranean and Atlantic coasts. Marcos GB. **Environ Qual Saf [Suppl]** 3:793–7, 1975

The use of aquatic macrophytes as indicators of trace metal contamination in fresh water lakes. pp. 157–67. Mayes R, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Dowty B, et al. **J Chromatogr Sci** 14(4):187–90, Apr 76

Mercury contamination in a 54-m core from lake Huleh. Cowgill UM. **Nature** 256(5517):476–8, 7 Aug 75

Concentration of mercury by three species of fish from Japanese rivers. Matsunaga K. **Nature** 257(5521):49–50, 4 Sep 75

The use of mussels in estimating benzo(a)pyrene contamination of the marine environment. Dunn BP, et al. **Proc Soc Exp Biol Med** 150(1):49–51, Oct 75

[Heavy metal occurrence in surface-, ground- and deepwaters] Winkler HA. **Fortschr Med** 94(20–21):1153–4, 15 July 76 **(Ger)**

[Interpretation of various chemical parameters in the pollution of coastal waters] Jentsch F.
Schriftenr Ver Wasser Boden Lufthyg (43):31–8, 1975 **(Ger)**

[Effect of various pesticides on the hygienic-sanitary indicators of water] Zamfir G, et al. **Z Gesamte Hyg** 20(11):777–81, Nov 74 (Eng. Abstr.) **(Ger)**

[The determination of phenols in water: gas chromatographic identification by means of the electron affinity (author's transl)] Kunte H. **Zentralbl Bakteriol [Orig B]** 160(2):148–54, Mar 75 (Eng. Abstr.) **(Ger)**

[Contamination of the river Tiber to polycyclic aromatic hydrocarbons] Melchiorri C, et al.
Nuovi Ann Ig Microbiol 25(5):319–33, Sep–Oct 74 (Eng. Abstr.) **(Ita)**

[Instruments for obtaining samples of water covered by a layer of mineral oil] Ranke-Rybicka B, et al.
Rocz Panstw Zakl Hig 26(5):617–22, 1975 (Eng. Abstr.) **(Pol)**

[The problems of significance of nitrates of drinking water] Livshits LL, et al. **Gig Sanit** (5):103–4, May 75 **(Rus)**

[Some hygienic problems in relation to the use of 2,4-D-group herbicides] Paderova VP. **Gig Sanit** (9):96–7, Sep 75 **(Rus)**

[Effect of the use of toxic chemicals and fertilizers in a water conservation zone with artificial replenishment sources for the underground water reserves] Rakhov GM, et al.
Gig Sanit (3):101–2, Mar 76 **(Rus)**

[Rapid method of determination of residual quantities of some phosphoorganic pesticides in food products of vegetable origin and in water] Girenko DB, et al. **Vopr Pitan** (2):79–83, Mar–Apr 75 **(Rus)**

[Hygienic evaluation of the water following a tordon-22K pesticide treatment of the soil] Kosachevskaia PI, et al.
Vrach Delo (1):131–3, Jan 76 **(Rus)**

[Effect of a thermoelectric power plant ash-slag settling tank on the quality of the ground waters] Shapiro BM, et al.
Zdravookhr Kirg (2):36–7, Mar–Apr 76 **(Rus)**

[New possibilities in the identification and determination of some elements in toxico-chemical examination of water and food in the field] Jovanović D, et al.
Vojnosanit Pregl 32(5):585–7, Sep–Oct 75 **(Ser)**

[Identification and determination of mustard gas in water] Toković B. **Vojnosanit Pregl** 32(5):517–20, Sep–Oct 75 (Eng. Abstr.) **(Ser)**

PREVENTION & CONTROL

Studies for the prevention of oil pollution near Bratislava, Czechoslovakia. pp. 332–7. Blair AH.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Protection of aquifers against petroleum pollution in Switzerland. pp. 310–27. Dracos T.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Monitoring river water to control purity of dune recharge water. pp. 126–47. Drost G.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Safeguarding Uppsala from oil pollution. pp. 328–31. Sidenvall J.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

The feasibility of restoring mercury-contaminated waters. pp. 299–309. Jernelöv A, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

The feasibility of restoring mercury-contaminated waters (A. Jernelöv and B. Aséll). Discussion. pp. 311–4. Ziegler FG, et al.
In: Krenkel PA., ed. Heavy metals in the aquatic environment. Oxford, Pergamon Press, 1975. WA 689 H442 1973.

Chemistry in natural water systems. A general discussion. Coyne L. **J Chem Educ** 52(12):796–800, Dec 75

[Hygienic evaluation of the status of reservoir protection against pollution in the region of an industrial complex] Klimkina NV, et al. **Gig Sanit** (7):34–8, Jul 75 (Eng. Abstr.) **(Rus)**

[Hygienic standardization of diethylbenzol in the water bodies] Meleshchenko KF. **Gig Sanit** (6):90–2, Jun 75 **(Rus)**

[An experimental substantiation of the maximum permissible concentration of dimide in water bodies] Novakova SP, et al. **Gig Sanit** (12):75–8, Dec 75 **(Rus)**

[Substantiation of the maximum permissible concentration of niobium in water bodies] Sazhina IA, et al. **Gig Sanit** (6):8–10, Jun 75 (Eng. Abstr.) **(Rus)**

[Data for substantiation of the maximum permissible concentration of yalan in water bodies] Vrochinskii KK, et al. **Gig Sanit** (10):104–5, Oct 75 **(Rus)**

WATER POLLUTION, RADIOACTIVE

Isotopic dilution of zinc-65 in Oregon coastal waters. Cutshall NH, et al. **Health Phys** 29(6):865-9, Dec 75

Uptake of technetium from seawater by red abalone Haliotis rufescens. Spies RB. **Health Phys** 29(5):695-9, Nov 75

Cesium-137 activities in fish residing in thermal discharges to Lake Michigan. Spigarelli SA. **Health Phys** 30(5):411-3, May 76

Effect of some important physio-ecological factors on the accumulation of radionuclides by freshwater fish. pp. 1205-12. Berg A.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Radioecological studies applied to electro-nuclear siting. pp. 1186-91. Grauby A.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Effects of limnological variables on bioaccumulation factors. pp. 1192-204. Vanderploeg HA, et al.
In: Nygaard OF, et al., ed. Radiation research: biomedical, chemical, and physical perspectives. New York, Academic Press, 1975. W3 IN558 197r.

Dominant lethal mutations in mice resulting from chronic tritiated water (HTO) ingestion. Carsten AL, et al. **Radiat Res** 66(3):609-14, Jun 76

ANALYSIS

Determination of suspended and dissolved uranium in water. Fleischer RL, et al. **Anal Chem** 48(4):642-5, Apr 76

Semi-quantitative determination of uranium, plutonium, and americium in sea water. Hodge VF, et al. **Anal Chem** 47(11):1866-8, Sep 75

Partition of ruthenium-106 between the fresh water environment and crayfish. Berg GG, et al. **Health Phys** 30(4):329-38, Apr 76

Letter: Comments on the paper: 'Use of rivers to predict accumulation in sediment of radionuclides discharged from nuclear power plants' by P. Plato. Edgington DN, et al. **Health Phys** 29(3):429-31, Sep 75

137Cs and 40K in the flesh of Pacific albacore, 1964-1974. Young DR, et al. **Health Phys** 29(5):689-94, Nov 75

Accumulation of radionuclides in coastal sediment of Japan (II). Contents of fission products in some coastal sediments collected in 1966-1972. Nakamura K, et al. **J Radiat Res (Tokyo)** 16(3):184-92, Sep 75

WATER POLLUTION, THERMAL

Cesium-137 activities in fish residing in thermal discharges to Lake Michigan. Spigarelli SA. **Health Phys** 30(5):411-3, May 76

Thermal effects. Coutant CC. **J Water Pollut Control Fed** 47(6):1656-711, Jun 75 (453 ref.)

PREVENTION & CONTROL

[Means of preventing thermal pollution of water reservoirs by the waste waters of atomic electric plants] Marei AN. **Gig Sanit** (11):83-6, Nov 75 **(Rus)**

WATER SOFTENING

Letter: Softened water. Keilin B. **JAMA** 234(6):590-1, 10 Nov 75

[Accidental hypernatremia during hemodialysis following use of a decalcifier] Muñiz R, et al. **Rev Clin Esp** 138(6):563-6, 30 Sep 75 **(Spa)**

METHODS

[Hygienic evaluation of membrane methods of desalinating water] Rakhmanin IuA, et al. **Gig Sanit** (7):22-5, Jul 75 (Eng. Abstr.) **(Rus)**

[Effectiveness of methods for improving the quality of drinking water (fluoridation, desalinization, magnetic treatment, etc.)] Shtannikov EV. **Gig Sanit** (7):25-9, Jul 75 **(Rus)**

STANDARDS

[Experimental and clinical physiological data to substantiate lower levels of mineralization of desalinated drinking water] Rakhmanin IuA, et al. **Gig Sanit** (7):16-22, Jul 75 (Eng. Abstr.) **(Rus)**

WATER SUPPLY

Fluoride and dental age. Grahnén H, et al. **Acta Odontol Scand** 33(1):1-4, 1975

The relationship of supplemental iodine to neural tube defects in Rochester, New York, 1924-1932. Biggar RJ, et al. **Am J Epidemiol** 104(1):28-33, Jul 76

Investigating possible effects of abestos in city water: surveillance of gastrointestinal cancer incidence in Duluth, Minnesota. Levy BS, et al. **Am J Epidemiol** 103(4):362-8, Apr 76

An epidemic of gastroenteritis traced to a contaminated public water supply. Weissman JB, et al. **Am J Epidemiol** 103(4):391-8, Apr 76

Letter: Mycobacterial contamination through tap water. Gangadharam PR, et al. **Am Rev Respir Dis** 113(6):894, Jun 76

Water as a source of potentially pathogenic mycobacteria. Goslee S, et al. **Am Rev Respir Dis** 113(3):287-92, Mar 76

Eutrophication and wastewater purification. Gleisberg D, et al. **Angew Chem [Engl]** 15(6):354-65, Jun 76 (103 ref.)

Bacteriological evaluation of an ultra-pure water-distilling system. Kayser WV, et al. **Appl Microbiol** 30(4):704-6, Oct 75

Ischaemic heart disease and the water factor. A variable relationship. Meyers D. **Br J Prev Soc Med** 29(2):98-102, Jun 75

Water supplies of the future and the recycling of drinking-water. Martin AE. **Br Med Bull** 31(3):251-5, Sep 75

Editorial: Hard water story: no recommendations. **Br Med J** 2(6032):389-90, 14 Aug 76

Contamination of tap water by lead pipe and solder. Wong CS, et al. **Bull Environ Contam Toxicol** 15(5):530-4, May 76

Control of Schistosoma mansoni transmission by provision of domestic water supplies. A preliminary report of a study in St Lucia. Jordan P, et al. **Bull WHO** 52(1):9-20, 1975

Individual household water supplies as a control measure against Schistosoma mansoni. A study in rural St Lucia. Unrau GO. **Bull WHO** 52(1):1-8, 1975

Letter: Ischemic heart disease and elements in water. Vobecky J, et al. **Can Med Assoc J** 113(10):922, 925, 22 Nov 75

Life support requirements of astronauts. Part 2. Development of stored food and water systems. Lachance PA. **Environ Biol Med** 1(4):205-28, May 72

Chlorination in dilute aqueous systems; 2,4,6-trichlorophenol. Smith JG, et al. **Environ Lett** 10(1):47-52, 1975

Radiocarbon ages of ground water as a basis for the determination of safe limits of aquifer exploitation. Tamers MA, et al. **Environ Res** 9(3):250-64, Jun 75

Nitrate in water supplies and cancer. Geleperin A, et al. **Ill Med J** 149(3):251-3, Mar 76

Chlorination of waters for disinfection--a study of the production of undesirable chlorinated products. pp. 379-85. Johnsen R.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

Saline pollution of underground supply at Leicester Lane Borehole. South Warwickshire Water Board, Leamington, Warwickshire, England. pp. 256-8.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Saline pollution of two boreholes at Canvey Island. pp. 263-5.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Phenolic pollution in chalk at Beckton, Essex. pp. 299-302. Aspinwall R.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Well screens; some notes on materials. pp. 448-55. Elliott E.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Travel time from surface to well. p. 289. Milne DM.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Nitrate pollution in North Lindsey chalk boreholes. pp. 290-1. Robertson JS.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Safeguarding the water supplies in Uppsala, Sweden. pp. 9-19. Sidenvall J.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Unclogging of boreholes. pp. 443-7. Stow GR.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Pollution in the Brighton seawater chalk. pp. 259-62. Warren SC.
In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.

Disinfecting action of chlorine on vibrios in a hydric environment. pp. 139-41. De Fulvio S, et al.
In: Diffusion and treatment of cholera infection. Roma, Instituto Poligrafico dello Stato, 1975. WC 262 I615p 1974.

Trace element content of household water. pp. 41-6. Strain WH, et al.
In: Hemphill DD, ed. Trace substances in environmental health-IX. Columbia, Univ of Missouri, 1975. W3 C936.

The use of Nagarjunasagar canal water in the control of fluorosis in Andhra Pradesh--a preliminary study. Krishnamachari KA. **Indian J Med Res** 63(3):475-9, Mar 75

National Water Supply and Sanitation Programme with special reference to cholera endemic areas. Rao SS. **Indian J Public Health** 19(1):44-9, Jan-Mar 75

The hard facts behind the hard-water theory and ischemic heart disease. Heyden S. **J Chronic Dis** 29(3):149-57, Mar 76 (33 ref.)

Bacterial conditions of water in dental units. Thé SD, et al. **J Dent Res** 54(5):1064-8, Sep-Oct 75

Solid wastes and water quality. Heidman JA. **J Water Pollut Control Fed** 47(6):1493-8, Jun 75 (35 ref.)

Oxygen sag and stream purification. Neal LA. **J Water Pollut Control Fed** 47(6):1595-600, Jun 75 (38 ref.)

Use of productivity of periphyton to estimate water quality. Tilley LJ, et al. **J Water Pollut Control Fed** 47(8):2157-71, Aug 75

Letter: Softened water. Keilin B. **JAMA** 234(6):590-1, 10 Nov 75

Letter: Lead in water and mental retardation. Elwwod PC, et al. **Lancet** 1(7959):590-1, 13 Mar 76

Failure of sanitary wells to protect against cholera and other diarrhoeas in Bangladesh. Levine RJ, et al. **Lancet** 2(7976):86-9, 10 Jul 76

Cholera transmission near a cholera hospital. Levine RJ, et al. **Lancet** 2(7976):84-6, 10 Jul 76

Epsom salts and coronary heart disease. Bradshaw JS, et al. **Practitioner** 216(1296):673-6, Jun 76 (14 ref.)

Ecological aspects of water impoundment in the tropics. Goldman CR. **Rev Biol Trop** 24(1 Suppl):87-112, Jun 76

Drinking water and cancer mortality in Louisiana. Page T, et al. **Science** 193(4247):55-7, 2 Jul 76

The influence of calcium content of water, intake of vegetables and fruit and of other food factors upon the incidence of renal calculi. Rose GA, et al. **Urol Res** 3(2):61-6, 8 Aug 75

Community water supply and wastewater disposal. **WHO Chron** 30(8):329-34, Aug 76

[The Tugela-Vaal state water scheme as a bilharzia risk] Pretorius SJ, et al. **S Afr Med J** 50(25):968-72, 12 Jun 76 (Eng. Abstr.) **(Afr)**

[The relation between the hardness of potable water and some parameters of mortality of the population of CSR in 1965-1969 (author's transl)] Svec F. **Cas Lek Cesk** 115(19):571-4, 14 May 76 (Eng. Abstr.) **(Cze)**

[The new draft of the DIN 18379- -ventilation technical installations, and the DIN 18380- -heating and central household water heating installations] Kraupner KW. **Gesund Ing** 97(1-2):31-5, Jan-Feb 76 **(Ger)**

[Examinations of drinking water in the national public health laboratories (author's transl)] Kudicke H. **Oeff Gesundheitswes** 37(10):645-50, Oct 75 (Eng. Abstr.) **(Ger)**

[Hygienic problems of drinking water supply by means of technical installations] Schubert R. **Schriftenr Ver Wasser Boden Lufthyg** (45):127-33, 1975 **(Ger)**

[Drinking water hygiene and drinking water legislation] Schumacher W. **Schriftenr Ver Wasser Boden Lufthyg** (45):135-42, 1975 **(Ger)**

[Studies, suggested by J.G. Mendel as well as by M. Pettenhofer, on the relationship between cholera and typhus mass-outbreaks and the level of underground water] Weiling F. **Sudhoffs Arch** 59(1):1-19, 1975 **(Ger)**

[Chronic arsenic poisonings induced by drinking arsenic-containing water] Nagy G, et al. **Z Hautkr** 50(5):201-11, 1 Mar 75 **(Ger)**

[Water disinfection by means of chlorine: killing of aggregate bacteria (author's transl)] Carlson S, et al. **Zentralbl Bakteriol [Orig B]** 161(3):233-47, Dec 75 **(Ger)**

[Is the examination of drinkable water and swimming pools on presence of enteropathogenic E. coli necessary? (author's transl)] Dragaš AZ, et al. **Zentralbl Bakteriol [Orig B]** 160(1):60-4, 1975 (Eng. Abstr.) **(Ger)**

[On bacterial aftergrowth in drinking and industrial water. II. Apparative and processing influence upon the growth and the possibility of disinfection of ion exchange resin filter systems (author's transl)] Schubert RHW. **Zentralbl Bakteriol [Orig B]** 161(3):248-65, Dec 75 (Eng. Abstr.) **(Ger)**

[Comparative studies on the action of chlorine and ozone on polioviruses in the reprocessing of drinking water in Essen (author's transl)] Thraenhart O, et al. **Zentralbl Bakteriol [Orig B]** 160(4-5):305-41, Jul 75 (Eng. Abstr.) **(Ger)**

[Mortality of cardiovascular diseases and hardness of the water in Turin in 1972 and 1973: preliminary results of an epidemiological survey] Cavallo F, et al. **Minerva Med** 66(81):4307-10, 28 Nov 75 (Eng. Abstr.) **(Ita)**

[Effect of chlorine and chloramines contained in drinking water on animal body] Maziarka S, et al. **Rocz Panstw Zakl Hig** 27(2):123-31, 1976 (Eng. Abstr.) **(Pol)**

[The hygienic problems of prognosing the quality of water resources] Akulov KI, et al. **Gig Sanit** (5):35-9, Apr 75 **(Rus)**

[Physiological evaluation of the level of calcium in desalinated drinking water] Bokina AI, et al. **Gig Sanit** (11):14-7, Nov 75 (Eng. Abstr.) **(Rus)**

[The decontamination of the drinking water under field conditions. From experiences in World War II Golubev TI. **Gig Sanit** (5):22-4, May 75 **(Rus)**

[The effectiveness of permanent chlorination of well water by means of dosage cartridges under conditions of the Zacarpathian region] Grishchenko RI. **Gig Sanit** (10):92-3, Oct 75 **(Rus)**

[Disinfection of drinking water with iodine] Kainov GA. **Gig Sanit** (2):110, Feb 75 **(Rus)**

[Transformation of chemical substances in reservoirs and in the process of water purification as a hygienic problem] Korolev AA, et al. **Gig Sanit** (7):83–8, Jul 75 **(Rus)**

[The effect of the thermal waters from a hydro–electric power station on the conditions of water use by the population] Lavygina ZP. **Gig Sanit** (12):90–2, Dec 75 **(Rus)**

[Sanitary–hygienic evaluation of the circulating water supply on railroads] Ovchinkin IP, et al. **Gig Sanit** (8):85–6, Aug 75 **(Rus)**

[Sanitary–hygienic aspects of the use of new means of control of filtration in water bodies] Petrov RV, et al. **Gig Sanit** (5):105–6, May 75 **(Rus)**

[Effect of the use of toxic chemicals and fertilizers in a water conservation zone with artificial replenishment sources for the underground water reserves] Rakhov GM, et al. **Gig Sanit** (3):101–2, Mar 76 **(Rus)**

[Experimental study of some problems of the biological effects of water treated by means of a permanent magnetic field] Stefanov B, et al. **Gig Sanit** (8):70–2, Aug 75 **(Rus)**

[Anticaries action due to periodic use of fluorine treated water of different chemical composition] Stepanenko GA. **Gig Sanit** (12):92–3, Dec 75 **(Rus)**

[Case of pollution of the water supply network] Sultanov GV, et al. **Gig Sanit** (4):91, Apr 76 **(Rus)**

[Local schemes for the complex utilization and protection of the water resources of the riverine and marine basins of the Northern Caucasus] Tsaturova GA. **Gig Sanit** (4):88–9, Apr 76 **(Rus)**

[Water supply problems of river–going boats and the infectious morbidity of the crews and passengers] Ugreninov IuA, et al. **Gig Sanit** (4):90–1, Apr 76 **(Rus)**

[Barrier role of water supply structures] Zarubin GP, et al. **Gig Sanit** (4):72–9, Apr 76 **(Rus)**

[Sanitary–hygienic properties of the new filtration material shungizit] Zhurba MG, et al. **Gig Sanit** (8):82–5, Aug 75 **(Rus)**

[Conditioning of water regenerated from moisture–containing wastes] Luzina TI, et al. **Kosm Biol Aviakosm Med** 10(2):35–7, Mar–Apr 76 (Eng. Abstr.) **(Rus)**

[Toxic properties of regenerated water containing methyl alcohol] Ostapenko OF, et al. **Kosm Biol Aviakosm Med** 9(4):23–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Demonstration of cercaria of the family Schistosomatidae in the Kiev water reservoir] Chernogorenko MI. **Med Parazitol (Mosk)** 44(2):222–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Method of purification of water by means of ion–exchange cellulose fibers] Tsibikov VB, et al. **Med Tekh** (4):32–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of desalinated drinking water on the state of health of the population] Bokina AI, et al. **Vestn Akad Med Nauk SSSR** (3):41–6, 1975 **(Rus)**

[Automatic distribution of water in breeder–pigsties] Baluk VP, et al. **Veterinariia** (8):27–8, Aug 75 **(Rus)**

[Effect of drinking water with different salt concentrations on the body] Uzhva NF. **Vrach Delo** (5):131–3, May 75 **(Rus)**

[Optimization of measuring policies in drinking water distribution programs] Bartone CR. **Bol Of Sanit Panam** 80(1):56–67, Jan 76 (Eng. Abstr.) **(Spa)**

[Cultural conflicts in the management of hydrographic watersheds in the Central American isthmus] Mojica IH. **Rev Biol Trop** 24(1 Suppl):113–9, Jun 76 (Eng. Abstr.) **(Spa)**

ANALYSIS

Successive determinations of calcium and magnesium in drinking water by complexometric, potentiometric digital titration to two equivalence points. Christiansen TF, et al. **Anal Chem** 48(7):1051–6, Jun 76

Solvent extraction study for simultaneous determination of six trace metals in river water. Tweeten TN, et al. **Anal Chem** 48(1):64–7, Jan 76

An atomic absorption method for the determination of 20 elements in lake sediments after acid digestion. Agemian H, et al. **Anal Chim Acta** 80:61–6, Nov 75

The analysis of surface waters for iron, zinc and lead by coprecipitation on iron hydroxide and X–ray fluorescence. Bruninx E, et al. **Anal Chim Acta** 80:85–95, Nov 75

The determination of total phosphate in natural waters. Goulden PD, et al. **Anal Chim Acta** 80:181–7, Nov 75

Atomic–absorption determination of vanadium and molybdenum in tap water and mineral waters after anion–exchange separation. Korkisch J, et al. **Anal Chim Acta** 83(1):111–8, May 76

Mood and lithium in drinking water. Oliver SL, et al. **Arch Environ Health** 31(2):92–5, Mar–Apr 76

Trace elements in water and congenital malformations of the central nervous system in South Wales. Morton MS, et al. **Br J Prev Soc Med** 30(1):36–9, Mar 76

The effectiveness of in–plant chlorination in poultry processing. Mead GC, et al. **Br Poult Sci** 16(5):517–26, Sep 75

Analysis of volatile N–nitroso compounds in drinking water at the part per trillion level. Fine DH, et al. **Bull Environ Contam Toxicol** 14(4):404–8, Oct 75

Potable water quality in rural Georgetown County. Sandhu SS, et al. **Bull Environ Contam Toxicol** 14(4):465–72, Oct 75

Analysis of amphibole asbestiform fibers in municipal water supplies. Nicholson WJ. **Environ Health Perspect** 9:165–72, Dec 74

Formation of trihalomethanes by chlorination of surface water. Bunn WW, et al. **Environ Lett** 10(3):205–13, 1975

Nitrates in Wisconsin ground water. Schuknecht B, et al. **Environ Lett** 9(1):91–8, 1975

Polychlorinated biphenyls in the surface waters and bottom sediments of the major drainage basins of the United States. pp. 183–94. Dennis DS.
In: Buckley JL, et al., ed. National Conference on Polychlorinated Biphenyls. Washington, Environmental Protection Agency, 1976. QV 633 N277c 1975.

The distribution of fluoride–containing water in Ceylon. Senewiratne B, et al. **Indian J Med Res** 63(2):302–11, Feb 75

Chemistry in natural water systems. A general discussion. Coyne L. **J Chem Educ** 52(12):796–800, Dec 75

Organics. Chian ES, et al. **J Water Pollut Control Fed** 48(6):1042–77, Jun 76 (337 ref.)

Magnesium and potassium content of normal heart muscle in areas of hard and soft water. Chipperfield B, et al. **Lancet** 1(7951):121–2, 17 Jan 76

Letter: Lead in water and mortality. Elwood PC, et al. **Lancet** 1(7962):748, 3 Apr 76

Letter: Blood–lead and domestic–water lead. Leger AS, et al. **Lancet** 2(7981):374, 14 Aug 76

Carcinogens in drinking water. Committee on environmental hazards. Miller RW. **Pediatrics** 57(4):462–4, Apr 76

Calcium content of river water, trace element concentrations in toenails, and blood pressure in village populations in New Guinea. Masironi R, et al. **Sci Total Environ** 6(1):41–53, Jul 76

[Physico–chemical characteristics of drinking water in blackfoot endemic areas in Chia–I and Tainan Hsiens] Lu FJ, et al. **J Formosan Med Assoc** 74(9):596–605, Sep 75 (Eng. Abstr.) **(Chi)**

[Epidemiologic and parasitologic survey concerning the Hassan Addakhil dam and branches to the Tafilalet province (Morocco, May–June 1975)] Deschiens R, et al. **Bull Soc Pathol Exot** 68(5):482–91, Sep–Oct 75 (Eng. Abstr.) **(Fre)**

[Comments on the contribution by W. Müller: Problems of specimen collection from the viewpoint of the water works published in 'Das Offentliche Gesundheitswesen' 37 (1975) 108] Herre W. **Oeff Gesundheitswes** 37(7):405–6, Jul 75 **(Ger)**

[The new regulations on drinking–water and their consequences (author's transl)] Steuer W, et al. **Oeff Gesundheitswes** 38(2):126–31, Feb 76 (Eng. Abstr.) **(Ger)**

[Relation of limnology and water hygiene to the environment] Mucha V. **Z Gesamte Hyg** 20(11):768–71, Nov 74 (Eng. Abstr.) **(Ger)**

[Effect of various pesticides on the hygienic–sanitary indicators of water] Zamfir G, et al. **Z Gesamte Hyg** 20(11):777–81, Nov 74 (Eng. Abstr.) **(Ger)**

[Nitrate and nitrite in prepared meals in relation to the nitrate concentration of drinking water (author's transl) Selenka F, et al. **Zentralbl Bakteriol [Orig B]** 161(3):266–79, Dec 75 (Eng. Abstr.) **(Ger)**

[Odorous compounds in raw water of water supplies: identification of camphor and p–methylacetophenone (author's transl)] Kikuchi T, et al. **J Pharm Soc Jpn** 95(12):1517–9, Dec 75 (Eng. Abstr.) **(Jpn)**

[Incidence of goiter in pubertal girls of the Piotrków Region and the iodide content in drinking water] Romer TE, et al. **Endokrynol Pol** 27(4):373–80, Jul–Aug 76 (Eng. Abstr.) **(Pol)**

[Water iodine content in municipal waterworks in the Olsztyn Province] Lewtak M. **Rocz Panstw Zakl Hig** 27(1):83–8, 1976 **(Pol)**

[Mobile method of determination of fluorides in drinking water] Abrosimov AI. **Gig Sanit** (11):101–3, Nov 75 **(Rus)**

[Sewage dilution in rivers] Bondar' AA. **Gig Sanit** (2):107–8, Feb 75 **(Rus)**

[The effect of water with different mineralization levels on the body of animals] Gabovich RD, et al. **Gig Sanit** (10):25–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Biological action of nitrates in the drinking water] Ivanov AV, et al. **Gig Sanit** (12):9–11, Dec 75 (Eng. Abstr.) **(Rus)**

[Barrier role of water purification installations with reference to certain heterocyclic compounds] Korolev AA, et al. **Gig Sanit** (8):15–7, Aug 75 (Eng. Abstr.) **(Rus)**

[The problems of significance of nitrates of drinking water] Livshits LL, et al. **Gig Sanit** (5):103–4, May 75 **(Rus)**

[Fluorine in drinking water in East Slovakia] Petriliakova T, et al. **Gig Sanit** (4):82–4, Apr 75 **(Rus)**

[A diffusion cell for the isolation of hydrogen fluoride from the sample analysed in the determination of fluorine in water] Vol'berg NSh, et al. **Gig Sanit** (6):51–2, Jun 75 **(Rus)**

[Effect of a thermoelectric power plant ash–slag settling tank on the quality of the ground waters] Shapiro BM, et al. **Zdravookhr Kirg** (2):36–7, Mar–Apr 76 **(Rus)**

[Trace elements in the water of South Kirghizian lakes] Zakusilova RM, et al. **Zdravookhr Kirg** (3):25–7, May–Jun 76 **(Rus)**

[Free and bound residual chlorine in the drinking water and its control] Zebec M. **Vojnosanit Pregl** 33(2):110–3, Mar–Apr 76 **(Ser)**

STANDARDS

The New Orleans drinking water controversy. A statistical perspective. DeRouen TA, et al. **Am J Public Health** 65(10):1060–2, Oct 75

Drinking water for the future. Okun DA. **Am J Public Health** 66(7):639–43, Jul 76

Editorial: Facing up to the drinking water problem. Pond MA. **Am J Public Health** 66(7):635–6, Jul 76

Editorials: Fact and fancy about drinking water. Stewart WH. **Am J Public Health** 65(10):1111, Oct 75

A comparative study of water micropollutions at the surface and deep–well water intakes. Buczowska Z, et al. **Bull Inst Marit Trop Med Gdynia** 26(1):25–35, 1975

Effect of the type of filtered water on the silver on emission in the silver–impregnated ceramic candles designed for a continuous disinfection on ships. Jarnuszkiewicz I, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):281–7, 1975

The water used in artificial kidneys. Burke JM Jr. **Conn Med** 39(9):563, 565–7, Sep 75

Water quality in Kiambu District Kenya. Muhammed SI, et al. **East Afr Med J** 52(5):269–76, May 75

Toxic and gonadotropic effects of cadmium and boron relative to standards for these substances in drinking water. Krasovskii GN, et al. **Environ Health Perspect** 13:69–75, Feb 76

The assessment of water quality. Harris DH. **Hum Factors** 17(2):139–48, Apr 75

Outbreaks of waterborne disease in the United States, 1973. Hughes JM, et al. **J Infect Dis** 132(3):336–9, Sep 75

[Activated sludge activity: an easy test for inspection of biological purification plants] Legeron JP, et al. **C R Acad Sci [D] (Paris)** 281(18):1357–60, 3 Nov 75 (Eng. Abstr.) **(Fre)**

[Salmonella isolated in water supplies (author's transl)] Sinegre F, et al. **Rev Epidemiol Med Soc Sante Publique** 23(7–8):469–74, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

[Drinking water. Current status of sanitary supervision of water distribution on the Vaudois plain] Bosset E. **Rev Med Suisse Romande** 95(2):105–11, Feb 75 **(Fre)**

[New results in water hygiene and purification of waste water (author's transl)] Bewig F. **Oeff Gesundheitswes** 37(8):483–91, Aug 75 (Eng. Abstr.) **(Ger)**

[TGL 20 098 'Individual water supply'. Brief comments on the new draft of DDR standards] Freund K, et al. **Z Gesamte Hyg** 21(1):32–3, Jan 75 **(Ger)**

[Establishing hygienic margins for water pollutants, illustrated on the example of DDT and Lindane] Koch R, et al. **Z Gesamte Hyg** 20(4):219–22, Apr 74 (Eng. Abstr.) **(Ger)**

[Problems of complex norms in hygiene concerning the permissible concentrations of chemical substances in the environment] Sidorenko GI, et al. **Z Gesamte Hyg** 20(11):758–60, Nov 74 (Eng. Abstr.) **(Ger)**

[Experimental studies of well water contamination by silage water] Thielemann H, et al. **Z Gesamte Hyg** 21(8):646–9, Aug 75 (Eng. Abstr.) **(Ger)**

[Experimental data on setting a standard for 1,2–dibromopropane in the water of reservoirs] Antonova VI, et al. **Gig Sanit** (3):105–6, Mar 76 **(Rus)**

[Data on a hygienic standard for vamidotyion in the water of reservoirs] Avezbakiev II, et al. **Gig Sanit** (3):107–8, Mar 76 **(Rus)**

[The choice of strains in investigations for hygienic standardization of the bacterial composition of drinking water] Belakovskii MS. **Gig Sanit** (12):72–5, Dec 75 **(Rus)**

[Data on establishing a permissible level of boron content in drinking water] Borisov AI. **Gig Sanit** (1):11–6, Jan 76 (Eng. Abstr.) **(Rus)**

[Hygienic aspects of a centralized hot water supply] Cherkinskii SN, et al. **Gig Sanit** (7):7–10, Jul 75 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the existing technology for purifying the drinking water and some ways to improve it] Nikolaeva TA, et al. **Gig Sanit** (7):29–33, Jul 75 (Eng. Abstr.) **(Rus)**

[Experimental and clinical physiological data to substantiate lower levels of mineralization of desalinated drinking water] Rakhmanin IuA, et al. **Gig Sanit** (7):16–22, Jul 75 (Eng. Abstr.) **(Rus)**

[Apropos of establishing sanitary protection zones for the surface sources of a centralized water supply] Rusnak BS. **Gig Sanit** (1):84–6, Jan 76 **(Rus)**

['Potable water' standard (GOST 2874–73)—new stage in the development of water hygiene] Novikov IuV. **Vestn Akad Med Nauk SSSR** (3):59–64, 1975 (Eng. Abstr.) **(Rus)**

[New state standard for drinking water] Anan'ev VV, et al. **Voen Med Zh** (7):47–9, Jul 75 **(Rus)**

[Quality of the water and public health in the Central American isthmus] Donato C. **Rev Biol Trop** 24(1 Suppl):41–8, Jun 76 (Eng. Abstr.) **(Spa)**

WATERHOUSE–FRIDERICHSEN SYNDROME

COMPLICATIONS

[Septic shock with disseminated intravascular coagulation and adrenal failure (author's transl)] Pichler M, et al. **Wien Klin Wochenschr** 87(22):762–6, 28 Nov 75 **(Ger)**

DIAGNOSIS

Waterhouse Friderichsen syndrome. Zavell PM. **Mich Med** 74(36):758, Dec 75

[Adrenal gland damages in hyperacute sepsis] Gerbasi M. **Minerva Pediatr** 28(21):1340–2, 16 Jun 76 **(Ita)**

ETIOLOGY

[Syndrome of acute adrenal gland insufficiency in acute respiratory tract infections in children] Prikhod'ko EI, et al. **Pediatriia** (1):8–11, Jan 74 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Animal model of human disease. Waterhouse–Friderichsen syndrome. Animal model: Acrylonitrile–induced adrenal apoplexy. Szabo S, et al. **Am J Pathol** 82(3):653–6, Mar 76

[Clinical pathology of the Waterhouse–Friderichsen syndrome (author's transl)] Marinescu G. **Munch Med Wochenschr** 118(2):31–4, 9 Jan 76 (Eng. Abstr.) **(Ger)**

WATERMARKS see under **PAPER**

WATSONIUS see under **TREMATODA**

WATTLES see **COMB AND WATTLES**

WAXES

see related
INLAY CASTING WAX

Effect of degradation of the arabinogalactan portionof a water–soluble component from M. tuberculosis wax D on polyarthritis induction in the rat. Koga T, et al. **Int Arch Allergy Appl Immunol** 51(3):395–400, 1976

Application of Carbowax 20M as an open–tubular liquid phase in analyses of nutritionally important fats and oils. Flanzy J, et al. **J Chromatogr Sci** 14(1):17–24, Jan 76

Letter: Preserving the whale. Rosenthal ML. **N Engl J Med** 294(7):400, 12 Feb 76

Bioavailability study of a meprobamate coated by Japanese synthetic wax. Kowarski CR, et al. **Pharm Acta Helv** 50(10):310–12, 1975

Evaluation of beeswax–tricaprylin vehicle for pulmonary carcinogenesis studies. Veal JT, et al. **Toxicol Appl Pharmacol** 35(1):157–64, Jan 76

Immunological adjuvants. VII. Kinetic study on the adjuvant effect of wax D. Koga T, et al. **Z Immunitaetsforsch** 145(2):105–10, May 75

[Reaction of the bone– and soft tissues to implanted bone wax in the sheep] Wolter D, et al. **Chirurg** 46(10):459–62, Oct 75 (Eng. Abstr.) **(Ger)**

[Carnol as a stabilizer of the emulsion I system] De Almeida Cunha BC, et al. **Rev Farm Bioquim Univ Sao Paulo** 13(1):41–6, Jan–Jun 75 (Eng. Abstr.) **(Por)**

ANALYSIS

Waxes containing secondary alcohols from the uropygial gland secretion of Nycticorax (night heron). Jacob J. **Hoppe Seylers Z Physiol Chem** 356(11):1823–5, Nov 75

Separation of an adjuvant–active glycolipid lacking peptide moiety from wax D preparation of Mycobacterium tuberculosis strain aoyama B. Kumazawa Y, et al. **Immunochemistry** 13(2):173–7, Feb 76

Duvatrienediols in cuticular wax of Burley tobacco leaves. Chang SY, et al. **J Lipid Res** 17(1):7–11, Jan 76

[Bioautographic detection of the antimicrobial active constituents of propolis] Metzner J, et al. **Pharmazie** 30(12):799–800, 1975 **(Ger)**

[The constitutents of propolis] Schneidewind EM, et al. **Pharmazie** 30(12):803, 1975 **(Ger)**

[Studies on the constituents of liliaceae plants. IV. Analysis of the wax ester composition of some species of liliaceae plants (author's transl)] Isono H, et al. **J Pharm Soc Jpn** 95(6):715–9, Jun 75 (Eng. Abstr.) **(Jpn)**

[Intrinsic waxes of saprophytic mycobacteria] Koronelli TV, et al. **Mikrobiologiia** 44(1):72–5, Jan–Feb 75 (Eng. Abstr.) **(Rus)**

[Distribution of hydrocarbon and wax in the cells of Mycobacterium ceroformans] Koronelli TV, et al. **Mikrobiologiia** 44(4):751–3, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and analysis of phytyl and phytenoyl wax esters. Gellerman JL, et al. **Lipids** 10(11):656–61, Nov 75

IMMUNOLOGY

Hydrosoluble immunostimulants of bacterial and synthetic origins. Jollès P. **Experientia** 32(6):677–83, 15 Jun 76

ISOLATION & PURIFICATION

[Wax D] Tanaka A. **Kekkaku** 50(11):452–5, Dec 75 **(Jpn)**

[Preparation and characterization of a carnauba wax derivative] de Almeida Cunha BC, et al. **Rev Farm Bioquim Univ Sao Paulo** 12(2):119–24, Jul–Dec 74 **(Por)**

METABOLISM

Biosynthesis of the beta–diketones of barley spike epicuticular wax. Netting AG, et al. **Arch Biochem Biophys** 174(2):613–21, Jun 75

The age–related occurrence of wax esters in the mouse preputial gland tumour. Grigor MR. **Biochim Biophys Acta** 431(1):157–64, 22 Apr 76

Wax digestion in a Crown–of–Thorns starfish. Benson AA, et al. **Comp Biochem Physiol [B]** 52(2):339–40, 15 Oct 75

Wax esters secreted by the uropygial glands of some Anseriformes. Edkins E, et al. **Comp Biochem Physiol [B]** 53(1):93–5, 1976

Lipids in the mesopelagic copepod, Gaussia princeps. Wax ester utilization during starvation. Lee RF, et al. **Comp Biochem Physiol [B]** 52(2):265–8, 15 Oct 75

A comparative study of wax ester digestion in fish. Patton JS, et al. **Comp Biochem Physiol [B]** 52(1):111–6, 15 Sep 75

Wax ester synthesis in the uropygial glands of the chicken and turkey. Tang BY, et al. **Comp Biochem Physiol [B]** 53(4):451–3, 1976

Specificity of digestive lipases in hydrolysis of wax esters and triglycerides studied in anchovy and other selected fish. Patton JS, et al. **Lipids** 10(10):575–83, Oct 75

PHARMACODYNAMICS

[Study of the surface–active, colloid–micellar and solubilizing properties of a series of hydroxyethylated alcohols of wool wax] Bashura GS, et al. **Farmatsiia** 25(1):24–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

WEANING

Letters: Lack of effect of rat milk on intestinal lactase activity in the postweaning rat. Becker A, et al. **Acta Physiol Lat Am** 24(6):662–5, 1974

Sympathoadrenal Neurochemistry and early weaning of swine. Stanton HC, et al. **Am J Vet Res** 37(7):779–83, Jul 76

Lack of breast feeding and early weaning in infants of Asian immigrants to Wolverhampton. Evans N, et al. **Arch Dis Child** 51(8):608–12, Aug 76

Aortic hexosamine, [35S]sulfate uptake, and calcium metabolism related to early arterial degenerative changes induced by lactation and forced weaning in breeder rats. Judd JT, et al. **Atherosclerosis** 22(2):241–56, Sep–Oct 75

An economic analysis of two schemes for the anthelmintic control of helminthiasis in weaned lambs. Anderson N, et al. **Aust Vet J** 52(4):174–80, Apr 76

Food deprivation at weaning and adult behavior elicited by hypothalamic stimulation in the rat. Avery DD, et al. **Behav Biol** 16(2):155–60, Feb 76

The influence of stimulus pairing and of the shuttle–shock contingency in the performance of shuttle responses to a buzzer by weanling rats. Izquierdo I, et al. **Behav Biol** 17(1):119–22, May 76

Influence of early weaning on the activity of several enzymes in the liver of rat. Palkovič M, et al. **Biol Neonate** 29(1–2):41–7, 1976

Effects of post–weaning protein deficiency on lipid composition in different regions of the brain in rats. Rajalakshmi R, et al. **Indian J Biochem Biophys** 11(4):307–8, Dec 74

Breast feeding and weaning practices of pre–school children in urban community in Delhi. Banik ND. **Indian Pediatr** 12(7):569–74, Jul 75

Nutritional studies with the early weaned neonatal pig. Menge H, et al. **J Anim Sci** 42(1):99–105, Jan 76

Influence of weaning on swine adipose tissue lipolysis. Mersmann HJ, et al. **J Anim Sci** 41(4):1048–52, Oct 75

Effect of thyroidectomy on the activity of alpha–glucosidases and acid hydrolases in the small intestine of rats during weaning. Kolkovský O, et al. **J Endocrinol** 66(1):31–6, Jul 75

Cross–fostering of DBA and C57Bl mice. Increase in voluntary consumption of alcohol by DBA weanlings. Randall CL, et al. **J Stud Alcohol** 36(7):973–80, Jul 75

The effects of parity, litter size, season, and breeding protocol on the number of DBA/2J Ten mice available for weaning. Schreiber RA, et al. **Lab Anim Sci** 25(5):602–8, Oct 75

Preweaning mortality in pigs. 6. Incidence and causes of pneumonia. Bille N, et al. **Nord Vet Med** 27(10):482–95, Oct 75

Effect of short–term removal of infant rats from the female on lactation. Babický A, et al. **Physiol Bohemoslov** 25(3):193–200, 1976

Effect of sodium intake on aldosterone and corticosterone production, the serum sodium concentration and body weight in infant rats during weaning period. Erdösová R, et al. **Physiol Bohemoslov** 25(1):1–6, 1976

Observations on the effects of weaning in the young pig. Clinical and histopathological studies of intestinal function and morphology. Kenworthy R. **Res Vet Sci** 21(1):69–75, Jul 76

Weaning and growth of artificially reared rats. Hall WG. **Science** 190(4221):1313–5, 26 Dec 75

An investigation using a synthetic porcine pheromone and the effect on days from weaning to conception. Hillyer GM. **Vet Rec** 98(5):93–4, 31 Jan 76

[Metabolism and hematology studies of intensively raised fattened lambs under various feeding and management conditions. 3. The effect of weaning age under various management conditions on the blood picture, serum mineral and bilirubin concentration and vitamin A concentration in the liver] Schulz O, et al. **Arch Exp Veterinaermed** 29(2):295–302, 1975 (Eng. Abstr.) **(Ger)**

[The 'problem' of stopping loctation prevention and suppression with CB 154 (author's transl)] Schneider D. **Praxis** 65(2):54–6, 13 Jan 76 (Eng. Abstr.) **(Ger)**

[Early weaning of sucking rats and a contribution on Cu depletion] Spoerl R, et al. **Zentralbl Veterinaermed [A]** 23(2):139–45, Mar 76 (Eng. Abstr.) **(Ger)**

[Plasma osmolarity and early weaning] Perrone L, et al. **Pediatria (Napoli)** 82(4):576–82, 31 Dec 74 (Eng. Abstr.) **(Ita)**

[Course of beta–hemolytic E. coli carrier state in piglets during weaning] Molenda J, et al. **Pol Arch Weter** 18(1):75–86, 1975 (Eng. Abstr.) **(Pol)**

[Studies of causes of early weaning in Kisač] Varga J. **Med Pregl** 29(5–6):299–302, 1976 (Eng. Abstr.) **(Ser)**

WEATHER

An improved method for monitoring heat stress levels in the workplace. Mutchler JE, et al. **Am Ind Hyg Assoc J** 37(3):151–64, Mar 76

Associations of coronary and stroke mortality with temperature and snowfall in selected areas of the United States, 1962–1966. Rogot E, et al. **Am J Epidemiol** 103(6):565–75, Jun 76

Atomospheric pollen and spore sampling in San Diegeo, California. I Meteorological correlations and potential clincal relevance. Street DH, et al. **Ann Allergy** 37(1):32–40, Jul 76

Influence of humidity and rain on uptake and metabolism of 14C–azinphos–methyl in bean plants. Steffens W, et al. **Arch Environ Contam Toxicol** 3(3):364–70, 1975

Dairy calf mortality rate: the association of daily meteorological factors and calf mortality. Martin SW, et al. **Can J Comp Med** 39(4):377–88, Oct 75

Comments on chemical and meteorological effects and their relationship to the problem of environmental control. Friend JP. **Environ Health Perspect** 10:247–8, Apr 75

Conference on biometeorological consequences of environmental controls. Housing: introductory remarks. Landsberg HE. **Environ Health Perspect** 10:223–4, Apr 75

Biometeorological consequences of environmental controls: overview. Lee DH. **Environ Health Perspect** 10:183–96, Apr 75

Meteorological effects of environmental controls. Robinson GD. **Environ Health Perspect** 10:211–4, Apr 75

Effects of time and height on behavior of emissions. Van der Hoven I. **Environ Health Perspect** 10:207–10, Apr 75

Droplet size of cooling tower fog. Rothman T, et al. **Environ Lett** 10(3):191–203, 1975

Mortality during heat waves in New York City July, 1972 and August and September, 1973. Ellis FP, et al. **Environ Res** 10(1):1–13, Aug 75

Physiological effects of the meteorologically abnormal year 1974 observed in healthy males in the Netherlands and southern Norway. Tromp SW. **Experientia** 32(1):126–8, 15 Jan 76

A note on jogging on a windy day. Hatsell CP. **IEEE Trans Biomed Eng** 22(5):428–9, Sep 75

Selenium in rainwater of the United States and Denmark. Kubota J, et al. **In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.**

A study of fly density & meteorological factors in occurrence of diarrhoea in a rural area. Anjaneyulu G, et al. **Indian J Public Health** 19(3):115–21, Jul–Sep 75

Lag responses in mood reports to changes in the weather matrix. Persinger MA. **Int J Biometeorol** 19(2):108–14, Jun 75

Weather dependent behaviour of captive striped hyaenas (Hyaena hyaena). Rieger I, et al. **Int J Biometeorol** 19(2):122–6, Jun 75

Effects of the Sharav and Bora on urinary neurohormone excretion in 500 weather–sensitive females. Sulman FG, et al. **Int J Biometeorol** 19(3):202–9, Nov 75

Pollen season severity and meteorologic parameters in central New Jersey. Reiss NM, et al. **J Allergy Clin Immunol** 57(6):609–14, Jun 76

The moon, weather and mental hospital contacts: confirmation and explanation of the Transylvania effect. Geller SH, et al. **J Psychiatr Nurs** 14(1):13–7, Jan 76

The effect of weather on some infectious diseases. Grob PR, et al. **J R Coll Gen Pract** 25(153):239–4, Apr 75

Reported morbidity and the weather. Peacock JB, et al. **J R Coll Gen Pract** 25(153):247–51, Apr 75

Influence of rainfall on lungworm infections in bighorn sheep. Forrester DJ, et al. **J Wildl Dis** 12(1):48–51, Jan 76

Letter: Asthma and the weather. Steer RG. **Med J Aust** 1(1–2):38, 3–10Jan 76

Letter: Superfluous impedimenta. Carey DE, et al. **Pediatrics** 56(5):839, Nov 75

Effects of weather on rheumatism. Rose MB. **Physiotherapy** 60(10):306–9, Oct 74

[30 years in the development of human bioclimatology in our country] Matoušek J. **Cas Lek Cesk** 114(47):1445–8, 21 Nov 75 **(Cze)**

[Mechanism of action of a meteorotropic agent on the physical capacity of the organism. Discussion on the paper of J. Badal: Changes of weather and physical capacity of the organism. Fysiat. Věstn. 52, 1974, 3, p.152–6] Zdichynec B. **Fysiatr Reumatol Vestn** 54(1):53–4, Feb 76 **(Cze)**

[The effects of meteorologic factors on blood magnesium in man] Darlu P. **Int J Biometeorol** 19(3):166–73, Nov 75 (Eng. Abstr.) **(Fre)**

[Effect of seasonal and climatic factors on skin–surface lipids] Gloor M, et al. **Dermatol Monatsschr** 161(12):996–1002, Dec 75 (Eng. Abstr.) **(Ger)**

[Meteorological observations concerning haemorrhages after tonsillectomy (author's transl)] Dubs R, et al. **Laryngol Rhinol Otol (Stuttg)** 54(9):755–61, Sep 75 (Eng. Abstr.) **(Ger)**

[Slippery streets, fog and traffic] Panzram H. **Med Lab (Stuttg)** 29(2):42–5, Feb 76 **(Ger)**

[Sensitivity to changes in the weather and social class] Faust V. **Med Welt** 26(45):2074–80, 7 Nov 75 **(Ger)**

[Industrial accidents and the weather (author's transl)] Harlfinger O, et al. **Munch Med Wochenschr** 118(3):69–72, 16 Jan 76 (Eng. Abstr.) **(Ger)**

[Meteorotropy of vasomotoric cephalea] Kugler J, et al. **Munch Med Wochenschr** 117(38):1509–10, 19 Sep 75 **(Ger)**

[Regression model for the study of the influence of various meterological factors on airpollution through sulfur dioxide in Sofia] Kalpasanov J, et al. **Z Gesamte Hyg** 21(3):212–4, Mar 75 (Eng. Abstr.) **(Ger)**

[Role of the pedagogical rhythm in schoolchildren, with special reference to environmental influences and effects of climatic factors] Puskás Z, et al. **Z Gesamte Hyg** 20(12):900–2, Dec 74 (Eng. Abstr.) **(Ger)**

[Meteorotropic activity of the weather conditions and their role in suicide epidemiology. I. Communication (author's transl)] Gostyński M, et al. **Zentralbl Bakteriol [Orig B]** 161(2):158–64, Oct 75 (Eng. Abstr.) **(Ger)**

[The influence of the climate and weather in the Federal Republic of Germany] Cordes H. **ZFA** 52(5):248–51, 20 Feb 76 **(Ger)**

[What is weather sensitivity?] Faust V. **ZFA** 52(5):225–7, 20 Feb 76 **(Ger)**

[Psychophysiologic reactions to meteorologic influences] Faust V. **ZFA** 52(5):237–42, 20 Feb 76 **(Ger)**

[Weather—climate—criminality] Kevan SM, et al. **ZFA** 52(5):257–64, 20 Feb 76 **(Ger)**

[Weather—climate—city] Neuwirth R, et al. **ZFA** 52(5):243–7, 20 Feb 76 **(Ger)**

[The diagnosis of 'weather sensitivity' and 'weather pain'] Ranschi–Froemsdorff W. **ZFA** 52(5):228–36, 20 Feb 76 **(Ger)**

[Importance of atmospheric conditions in the 1973 cholera epidemic in Apulia] Marotti S, et al. **Ann Sclavo** 17(3):435–40, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Meteorology and pollution] Ermini V. **Minerva Ecol Idroclimatol Fis Nucl** 15(2):41–7, Apr–Jun 75 (Eng. Abstr.) **(Ita)**

[Meteorotropy of vasomotor cephalea] Kugler J, et al. **Minerva Med** 67(31):2014–6, 23 Jun 76 (Eng. Abstr.) **(Ita)**

[Study of the influence of some meteorological factors in arthrosis] Capone M, et al. **Reumatismo** 24(2):144–7, Apr–Jun 72 **(Ita)**

[Daily variation of number of deaths and meterological conditions (observations in summer and in winter). Nagata H, et al. **Jpn J Hyg** 30(4):490–6, Oct 75 (Eng. Abstr.) **(Jpn)**

[Weather stress in the epidemiology of selected biological phenomena] Gostyński M, et al. **Pol Tyg Lek** 30(45):1869–71, 10 Nov 75 (Eng. Abstr.) **(Pol)**

[Influence of atmospheric factors on cerebral vascular accident mortality] Barnea M. **Rev Med Intern [Neurol Psihiatr]** 21(1):47–54, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Meteorological factors in the atmospheric pollution in Sofia] Kalpazanov I, et al. **Gig Sanit** (5):83–4, May 75 **(Rus)**

[The survival of certain microorganisms in ordinary water and melted snow] Lastkov OA, et al. **Gig Sanit** (4):100–1, Apr 75 **(Rus)**

[Study of the effect of meteorological and other factors on the degree of atmospheric pollution from the discharges from a series of Moscow heating and power plants] Partsef DP, et al. **Gig Sanit** (9):98–100, Sep 75 **(Rus)**

[Dependence of injuries on the weather] Kossaia AI, et al. **Ortop Travmatol Protez** (5):33–7, May 75 (Eng. Abstr.) **(Rus)**

[Meteoropathological reactions and their prevention in hypertension at Jurmala health resort in Riga] Ermolaev GT. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):34–9, Jan–Feb 75 **(Rus)**

[Effect of meteorological factors on patients with hypothalamic disorders] Iurik OE, et al. **Vrach Delo** (6):116–9, Jun 74 (Eng. Abstr.) **(Rus)**

[Biometerological study of the focal brain ischemia. Relationship of inter- and intradiurnal changes of atmospheric temperature, pressure and humidity to the onset of focal cerebral ischemia] Bartko D, et al. **Cesk Neurol Neurochir** 38(5):274–81, Sep 75 (Eng. Abstr.) **(Slo)**

WEBER–CHRISTIAN DISEASE see **PANNICULITIS, NODULAR NONSUPPURATIVE**

WEBER–FECHNER LAW see **DIFFERENTIAL THRESHOLD**

WECHSLER SCALES see under **INTELLIGENCE TESTS**

WEGENER'S GRANULOMATOSIS

[Wegener's granulomatosis] Zlotnikova AD. **Arkh Patol** 37(4):70–2, 1975 (Eng. Abstr.) **(Rus)**

[Wegener's granulomatosis] Lelis II, et al. **Vestn Dermatol Venerol** (10):77–9, Oct 75 (Eng. Abstr.) **(Rus)**

[Wegener's granulomatiosis with involvement of the posterior wall of the pharynx] Chizhikov VM. **Vestn Otorinolaringol** (5):87, Sept–Oct 75 **(Rus)**

[Wegener's granulomatosis] Lindqvist B, et al. **Lakartidningen** 73(6):404–6, 4 Feb 76 (Eng. Abstr.) **(Swe)**

CLASSIFICATION

Editorial: Wegener's granulomatosis: what's in a name? DeRemee RA. **Chest** 70(03):326–7, Sep 76

COMPLICATIONS

Limited form of Wegener's granulomatosis in ulcerative colitis. Kedziora JA, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(1):127–33, Sep 75

Wegener granulomatosis with aphasia. Sahn EE, et al. **Arch Intern Med** 136(1):87–9, Jan 76

Non–healing granuloma and the nervous system. Anderson JM, et al. **Q J Med** 44(174):309–23, Apr 75

[Wegener's granulomatosis with marked pachymeningitis—an autopsy study] Eto F, et al. **Clin Neurol (Tokyo)** 16(4):326–32, Apr 76 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Letter: Midline granuloma or Wegener's granulomatosis. Fauci AS, et al. **Ann Intern Med** 84(5):609–10, May 76

Wegener's granulomatosis manifested by 67Ga–citrate scanning. Ohshima M, et al. **Nippon Acta Radiol** 35(12):1092–7, 1975

Wegener's granulomatosis presenting as theumatoid arthritis (two cases). Pritchard MH. **Proc R Soc Med** 69(7):501–4, Jul 76

[Orbital involvement in a case of Wegener's granulomatosis] Laroche C, et al. **Bull Soc Ophtalmol Fr** 75(2):213–5, Feb 75 **(Fre)**

[A case of Wegener's syndrome with a long evolution] Lebeau B, et al. **Poumon Coeur** 32(3):119–22, 1976 (Eng. Abstr.) **(Fre)**

[Wegener's disease with revealing oto–neuro–ophthalmological manifestations] Desnos J, et al. **Rev Otoneuroophtalmol** 47(4):269–74, Jul–Sep 75 **(Fre)**

[A case of Wegener's granulomatosis diagnosed during life] Koncz J, et al. **Fogorv Sz** 69(7):203–6, Jul 76 **(Hun)**

[Intravital diagnosis of Wegener's granulomatosis] Sidiakov VF, et al. **Vrach Delo** (3):107–8, Mar 74 **(Rus)**

DRUG THERAPY

Acute myeloid leukemia appearing in two patients after prolonged continuous chlorambucil treatment for Wegener's granulomatosis. Westberg NG, et al. **Acta Med Scand** 199(5):373–7, 1976

Wegener's granulomatosis. Long–term followup of patients treated with cyclophosphamide. Reza MJ, et al. **Arthritis Rheum** 18(5):501–6, Sep–Oct 75

Wegener's granulomatosis. Combined therapy with low–dosage systemic corticosteroids, azathioprine and cyclophosphamide in three patients. Keczkes K. **Br J Dermatol** 94(4):391–9, Apr 76

[Combined treatment of Wegener's granulomatosis by cortisone and immunosuppressive agents] Quante M. **Ther Ggw** 114(9):1392–402, Sep 75 **(Ger)**

[Granulomatous lung diseases and their treatment with corticosteroids] Goldman S. **Pneumonol Pol** 44(4):325–31, 1976 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Circulating immunoglobulin complexes in Wegener's granulomatosis. Howell SB, et al. **Am J Med** 60(2):259–68, Feb 76

PATHOLOGY

Midline and Wegener's granulomatosis. Douglas AC, et al. **Ann NY Acad Sci** 278:618–35, 1976

Pathologic quiz case 2. Wegener's granulomatosis. Smith GA, et al. **Arch Otolaryngol** 102(5):320–2, May 76

Sputum cytology in two cases of Wegener's granulomatosis. Hector MF. **J Clin Pathol** 29(3):259–63, Mar 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 19–1976. **N Engl J Med** 294(19):1052–6, 6 May 76

[Clinico–pathological conference XXVIII. Prolonged hematuria, destruction of the nasal septum and pulmonary infiltrates] Manninen V, et al. **Duodecim** 91(17):1030–44, 1975 **(Fin)**

[A case of Wegener's granulomatosis associated with old pulmonary tuberculosis and chronic kidney sclerosis] Schmidt EH, et al. **Med Welt** 26(39):1791–4, 26 Sep 75 **(Ger)**

[Non–healing granuloma of the nose, eye and palate—four cases of variant of Wegener's granulomatosis (author's transl)] Watanabe Y, et al. **J Otolaryngol Jpn** 79(1):36–49, 20 Jan 76 (Eng. Abstr.) **(Jpn)**

[Case of Wegener's granulomatosis—with special reference to its cytological findings and the effect of antineoplastic drugs] Hirata S, et al. **Jpn J Thorac Dis** 13(2):102–10, Feb 75 (Eng. Abstr.) **(Jpn)**

[Pathological study of Wegener's granulomatosis – with special reference to pathological changes of the respiratory organs] Kishikawa H, et al. **Jpn J Thorac Dis** 13(6):343–51, Jun 75 (Eng. Abstr.) **(Jpn)**

[Oral manifestations of Wegener's granulomatosis] Zagubeliuk NK, et al. **Stomatologiia (Mosk)** 55(1):25–7, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Lymphomatoid granulomatosis] Moqvist–Olsson I, et al. **Lakartidningen** 72(49):4875–7, 3 Dec 75 (Eng. Abstr.) **(Swe)**

RADIOGRAPHY

Nephroangiography in Wegener's granulumatosis. A comparison with panarteritis nodosa. Lundström B, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):641–53, Nov 75

Arteriographic findings in hyperergic granulomatosis and vasculitis of a kidney. Pouliadis GP, et al. **Am J Roentgenol** 127(3):526–30, Sep 76

Wegener's granulomatosis: angiographic study and case report with prolonged survival. Edelstein MM, et al. **Cathet Cardiovasc Diagn** 1(3):329–35, 1975

Limited form of Wegener's granulomatosis. Hsu JT. **Chest** 70(03):384–5, Sep 76

[Lymphographic changes in Wegener's granulomatosis] Suramo I, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):83–5, Jul 75 **(Ger)**

[Pulmonary findings in Wegener's granulomatosis (author's transl)] Wolf KJ, et al. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):33–8, Jan 76 (Eng. Abstr.) **(Ger)**

THERAPY

Successful renal transplantation in Wegener's granulomatosis. Fauci AS, et al. **Am J Med** 60(3):437–40, Mar 76

WEIGHT LIFTING see under **SPORTS**

WEIGHT PERCEPTION

Quantity conceptions in university students: another look. Rowell JA, et al. **Br J Psychol** 67(1):1–10, Feb 76

Relevant and some irrelevant factors in the child's concept of weight. Murray FB, et al. **J Educ Psychol** 67(5):705–11, Oct 75

An experimental test of two mathematical models applied to the size–weight illusion. Sarris V, et al. **J Exp Psychol [Hum Percept]** 2(2):295–8, May 76

Humor response as related to violation of expectancies and to stimulus intensity in a weight–judgment task. Gerber WS, et al. **Percept Mot Skills** 41(2):673–4, Oct 75

PHYSIOLOGY

Perceived heaviness of lifted objects and effects of sensory inputs from related, non–lifting parts. Gandevia SC, et al. **Brain Res** 109(2):399–401, 11 Jun 76

Do muscular receptors in man evoke sensations of tension and kinaesthesia? Roland PE. **Stain Technol** 50(4):162–5, Jul 75

[Effect of the weight of individual protective means (IPM) on the functional state of the body in physical work under differing microclimatic conditions] Bavro GV, et al. **Gig Sanit** (9):60–2, Sep 75 (Eng. Abstr.) **(Rus)**

WEIGHTLESSNESS

Multiday recordings from the primary neurons of the statoreceptors of the labyrinth of the bull frog. The effect of an extended period of 'weightlessness' on the rate of firing at rest and in response to stimulation by brief periods of centrifugation (OFO–A orbiting experiment). Bracchi F, et al. **Acta Otolaryngol [Suppl] (Stockh)** (334):1–27, 1975

Renal effects of continuous negative pressure breathing. Kinney MJ. **Aviat Space Environ Med** 46(11):1358–62, Nov 75

Quantitative cyto– and histochemical studies of the Deiter's nucleus and nodular cortex of cerebellum in rats exposed to weightlessness. Krasnov IB. **Aviat Space Environ Med** 46(9):1119–22, Sep 75

LDH isoenzymes of skeletal muscles of rats after space flight and hypokinesia. Portugalov VV, et al. **Aviat Space Environ Med** 47(8):834–8, Aug 76

Effect of weightlessness on mineral metabolism; metabolic studies on Skylab orbital space flights. Whedon GD, et al. **Calcif Tissue Res** 21 Suppl:423–30, Aug 76

Calcium and phosphorus change of the Apollo 17 crew members. Rambaut PC, et al. **Nutr Metab** 18(2):62–9, 1975

Response to weightlessness. Saunders JF. **Prog Biometeorol** 1 Pt 1B:482–5, 611–8, 1974 (143 ref.)

[The development OF THE vestibular apparatus under conditions of weightlessness] Vinikov IaA, et al. **Arkh Anat Gistol Embriol** 70(1):11–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Adaptation of the cardiovascular system to negative gravitation stresses during repeated antiorthostatic measures] Alekseev DA, et al. **Kosm Biol Aviakosm Med** 9(6):55–61, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Human cognitive activity during adaptation to short–term

weightlessness] Kuznetsov ON, et al. **Kosm Biol Aviakosm Med** 9(6):48–84, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[State of bone tissue during hypokinesia and weightlessness and effect of thyrocalcitonin] Briskin AI, et al. **Kosm Biol Aviakosm Med** 10(2):17–22, Mar–Apr 76 (85 ref.) **(Rus)**

WEIGHTS AND MEASURES

The new special names of SI units in the field of ionizing radiation. Wyckoff HO, et al. **Acta Radiol [Ther] (Stockh)** 14(6):590–1, Dec 75

Automatic balance for fetal weight studies. Abrams RM, et al. **Am J Obstet Gynecol** 125(5):660–4, 1 Jul 76

Si units in respiratory medicine. Cotes JE. **Am Rev Respir Dis** 112(6):753–5, Dec 75

Anaesthesia and the Système International (SI). **Anaesthesia** 30(5):604–8, Sep 75

Editorial: SI units. Mapleson WW, et al. **Anaesthesia** 30(5):601–3, Sep 75

Editorial: S.I. units. **Br J Anaesth** 47(9):911, Sep 75

Letter: A proposal for SI prefixes. Pfalzner PM. **Br J Radiol** 49(584):738–9, Aug 76

Systems of measurement: their development and use in medicine. Oulton JL. **Can Anaesth Soc J** 23(4):345–56, Jul 76 (Eng. Abstr.)

Letter: SI units or SD units or both? Ross HM. **Can Med Assoc J** 113(9):815, 8 Nov 75

Letter: SI units—more Joules than Candelas? Pegg PJ. **Del Med J** 47(9):555, Sep 75

The new special names of SI units in the field of ionizing radiations. Wyckoff HO, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(6):579–80, Dec 75

About the dependence of radiation quality factor on LET. Keyrim-Markus IB, et al. **Health Phys** 30(3):299–302, Mar 76

Letter: The new special names of SI units in the field of ionizing radiations. Lidén K. **Health Phys** 30(5):417–8, May 76

Letter: On D.R. Justesen's 'Prescriptive grammar for the radiobiology of nonionizing radiation'. Guy AW. **J Microwave Power** 10(4):358–9, Dec 75

Toward a prescriptive grammar for the radiobiology of non-ionising radiations: quantities, definitions, and units of absorbed electromagnetic energy –an essay. Justesen DR. **J Microwave Power** 10(4):343–54, Dec 75

Letter: On D. R. Justesen's 'Prescriptive grammar for the radiobiology of nonionizing radiation'. Susskind C. **J Microwave Power** 10(4):357, Dec 75

Système international in clinical medicine (SICM). Clark A, et al. **Lancet** 2(7937):700–1, 11 Oct 75

Letter: Hectopascals for pressure. Klein M. **Lancet** 1(7968):1077–8, 15 May 76

Letter: SI units. McLellan GH. **Lancet** 2(7937):718, 11 Oct 75

Current considerations regarding reference units in the expression of biomedical data. Barak AJ, et al. **Life Sci** 17(2):253–6, 15 Jul 75

An inexpensive microgramme balance. Hillman GR. **Med Biol Eng** 13(4):599–600, Jul 75

Editorial: Conversion to SI units: comment on the special report from the ICRU. Eyler WR. **Radiology** 118(1):235, Jan 76

The new special names of SI units in the field of ionizing radiations. Wyckoff HO, et al. **Radiology** 118(1):233–4, Jan 76

Protection of the millimetre of mercury? Siggaard-Andersen O. **Ugeskr Laeger** 138(11):665, 8 Mar 76

[Letter: Blood pressure measured in mm Hg or kilopascal?] Jacobsen E, et al. **Ugeskr Laeger** 138(13):803, 22 Mar 76 **(Dan)**

[The new Gray and Becqerel radiologic measuring units] Harder D. **Med Welt** 26(44):1993–5, 31 Oct 75 **(Ger)**

[The new radiologic units of measurement gray and becqerel (author's transl)] Harder D. **Roentgenblaetter** 29(1):49–52, Jan 76 (Eng. Abstr.) **(Ger)**

[Weight determination of airborn dusts : conventional methods and automatic methods] Pozzoli L, et al. **Ann Ist Super Sanita** 9 Spec No 1:452–9, 1973 (Eng. Abstr.) **(Ita)**

[Uniformity of weight of single-dose pharmaceutical preparations] Piccolboni F, et al. **Boll Chim Farm** 114(8):430–9, Aug 75 **(Ita)**

[Units of measurement for the quantity and concentration of radon] Iasnogorodskiĭ VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (3):204–8, May–Jun 75 **(Rus)**

[SI units in health care] Estborn B, et al. **Lakartidningen** 72(40):3810–5, 1 Oct 75 **(Swe)**

STANDARDS

Policy statement on the changeover to Système International (SI) in Acta anaesthesiological Scandinavica. **Acta Anaesthesiol Scand** 20(1):3–6, 1976

S.I. units. **Anaesthesia** 31(2):294–6, Mar 76

Letter: SI units. **Br Med J** 3(5981):488, 23 Aug 75

Letter: SI units. Crowther A, et al. **Br Med J** 4(5996):578–9, 6 Dec 75

The use of SI units in cardiovascular studies. Kappagoda CT, et al. **Cardiovasc Res** 10(2):141–8, Mar 76

Editorial: Column measurements and SI. **Lancet** 2(7931):402, 30 Aug 75

Letter: More questions about S.I. Ratnoff OD. **N Engl J Med** 293(20):1050, 13 Nov 75

SI units for ionizing radiations. The use of the 'gray'. Dunworth JV. **Radiography** 42(496):84, Apr 76

[SI units in medicine] González y Rivera M, et al. **Bol Med Hosp Infant Mex** 33(3):719–28, May–Jun 76 (Eng. Abstr.) **(Spa)**

WEIL'S DISEASE

DIAGNOSIS

[Diagnostic problems in a case of icterohemorrhagic leptospirosis] Dietz A. **Minerva Med** 66(79):4213–4, 21 Nov 75 **(Ita)**

[The epidemiology and clinical picture of icterohemorrhagic leptospirosis in the Krasnodar area] Gol'denshteĭn ZA. **Zh Mikrobiol Epidemiol Immunobiol** (11):121–2, Nov 75 **(Rus)**

DRUG THERAPY

In vitro and in vivo effects of kasugamycin on Leptospira icterohaemorrhagiae. Kitaoka M, et al. **Jpn J Med Sci Biol** 28(5–6):285–90, Oct–Dec 75

IMMUNOLOGY

[Protective effect of somatic components of Leptospira] Takashima I, et al. **Jpn J Bacteriol** 30(1):150, Jan 75 **(Jpn)**

OCCURRENCE

[An anademy of ictero–hemorrhagic leptospirosis in a military group in Algeria (author's transl] Aubry P, et al. **Bull Soc Pathol Exot** 68(4):370–6, Jul–Aug 75 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Intracutaneous infection with Leptospira icterohaemorrhagiae (Shibaura strain) of the guinea pig. Mori M, et al. **Jpn J Med Sci Biol** 27(6):297–308, Dec 74

PREVENTION & CONTROL

Immunizing effects of structural components of Leptospira icterohaemorrhagiae. Takashima I, et al. **Zentralbl Bakteriol [Orig A]** 233(1):93–8, Sep 75

THERAPY

Studies on the potency test of antiserum for Weils disease by the intracutaneous method. Akama K, et al. **Jpn J Med Sci Biol** 28(1):1–9, Feb 75

TRANSMISSION

The route of entry of leptospires into the kidney tubule. Marshall RB. **J Med Microbiol** 9(2):149–52, May 76

VETERINARY

Leptospira interrogans serotype pomona infection and leptospiruria in vaccinated pigs. Hodges RT, et al. **NZ Vet J** 24(3):37–9, Mar 76

Letter: Serological evidence for infection of sheep with Leptospira interrogans serotype hardjo. Ris DR. **NZ Vet J** 23(7):154, Jul 75

WELDING

A study of painful shoulder in welders. Herberts P, et al. **Acta Orthop Scand** 47(4):381–7, Aug 76

Phosgene formation during welding in air contaminated with perchloroethylene. Andersson HF, et al. **Ann Occup Hyg** 18(2):129–32, Sep 75

Hygiene evaluation of exposure to fluoride fume from basic arc–welding electrodes. Pantuček MB. **Ann Occup Hyg** 18(3):207–12, Dec 75

A case of zinc fever in the course of a brain tumor. Jaremin B, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):323–8, 1975

Neurophysiologic studies of welders in shipbuilding work. Petersén I, et al. **Environ Res** 11(2):226–36, Apr 76

Safety glasses in welding. Tengroth B. **Environ Res** 11(2):283–4, Apr 76

Pulmonary X-ray and functional findings in electric-arc welders. Spáčilová M, et al. **Int Arch Arbeitsmed** 34(3):231–6, 1975

Respiratory symptoms, chronic bronchitis, and ventilatory function in shipyard welders. Barhad B, et al. **Int Arch Occup Environ Health** 36(2):137–50, 5 Dec 75

Factors influencing the output of ultraviolet radiation during welding. Emmett EA, et al. **J Occup Med** 18(1):41–4, Jan 76

Effects of a welding helmet and dust respirators on respiration at rest and during exercise. White T, et al. **Scand J Work Environ Health** 1(4):249–53, Dec 75

[The assessment of doubtful pulmonary fibroses caused by welding smoke] Irmscher G, et al. **Z Gesamte Hyg** 21(7):562–6, Jul 75 (Eng. Abstr.) **(Ger)**

[General and specific health hazards of welding] Schuckmann F. **Zentralbl Arbeitsmed** 25(4):97–101, Apr 75 (Eng. Abstr.) **(Ger)**

[Study on welding fumes: granulometric clasification of the products released as a result of manual welding, and study using a scanning electron microscope with an energy–dispersion x–ray analyzer] Altieri A, et al. **Ann Ist Super Sanita** 9 Spec No 1:519–24, 1973 (Eng. Abstr.) **(Ita)**

[Study on welding fumes: use of atomic absorption with a graphite sampler for the determination of chromium, iron, manganese, nickel, lead and copper] Carelli G, et al. **Ann Ist Super Sanita** 9 Spec No 1:499–518, 1973 (Eng. Abstr.) **(Ita)**

[Macruz index in the E.C.G. of workers exposed to the hazards of welding] Taccola A, et al. **Med Lav** 66(6):663–9, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Warning: do not use contact lenses during visits to welding workshops] Natvig H. **Tidsskr Nor Laegeforen** 96(8):516, 20 Mar 76 **(Nor)**

[Color vision in electric welders] Filipiakowa Z. **Klin Oczna** 45(8):933–8, Aug 75 (Eng. Abstr.) **(Pol)**

[Effect of spa treatment on the levels of serum iron and transferrin in electric welders] Bednarski W, et al. **Pol Tyg Lek** 31(4):141–3, 26 Jan 76 (Eng. Abstr.) **(Pol)**

[Nature of the pathology in electric arc welders and ship builders] Baranova VM, et al. **Gig Tr Prof Zabol** (6):45–7, Jun 76 **(Rus)**

[Pneumoconiosis in electric welders] Finkel'berg EI, et al. **Gig Tr Prof Zabol** (12):44–5, Dec 75 **(Rus)**

[Morphological changes in the lungs of animals under the action of an aerosol formed in the process of cast iron welding and hard facing] Samoĭlova LM, et al. **Gig Tr Prof Zabol** (4):53–4, Apr 75 **(Rus)**

[Effect of argon–arch welding on health condition of workers] Krasniuk EP, et al. **Vrach Delo** (3):138–42, Mar 76 (Eng. Abstr.) **(Rus)**

[Certain manifestations of vascular dystonia in electrical welders] Navakatikian AO, et al. **Vrach Delo** (5):124–8, May 75 (Eng. Abstr.) **(Rus)**

[Status of the hearing apparatus in electric welders] Rodin VI, et al. **Zh Ushn Nos Gorl Bolezn** (4):1–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

METHODS

[Problems of industrial health in connection with modern welding and cutting processes] Grund W. **Z Gesamte Hyg** 21(7):530–2, Jul 75 (Eng. Abstr.) **(Ger)**

[Hygienic characteristics of the working conditions in electroslag welding] Brakhnova IT, et al. **Gig Tr Prof Zabol** (10):41–2, Oct 74 **(Rus)**

[Hygienic evaluation of the hand arc welding of galvanized steel] Vorontsova EI, et al. **Gig Tr Prof Zabol** (7):49–51, Jul 76 **(Rus)**

WELL CHILD CONFERENCE see under **CHILD HEALTH SERVICES**

WERLHOF'S DISEASE see **PURPURA, THROMBOPENIC**

WERNER'S SYNDROME

[Endocrine and morphological aspects of Werner's syndrome] Lodi A, et al. **G Clin Med** 55(9):652–74, Sep 74 (Eng. Abstr.) **(Ita)**

[Adult progeria (Werner's syndrome)] Driban NE, et al. **Med Cutan Iber Lat Am** 3(3):213–22, 1975 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Werner's syndrome and malignancy. Björnberg A. **Acta Derm Venereol (Stockh)** 56(2):149–50, 1976

[Werner's syndrome with metastasizing malignant struma] Runne U. **Z Hautkr** 50(19):817–9, 1 Oct 75 **(Ger)**

DIAGNOSIS

[Werner's syndrome] Simig I, et al. **Cesk Oftalmol** 32(1):45–9, Jan 76 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

Chromatid exchanges in ataxia telangiectasia, Bloom syndrome, Werner syndrome, and xeroderma pigmentosum. Bartram CR, et al. **Ann Hum Genet** 40(1):79–86, Jul 76

PATHOLOGY

Postmortem study of a case of Werner's syndrome. Tokunaga M, et al. **J Am Geriatr Soc** 24(9):407–11, Sep 76

PHYSIOPATHOLOGY

Increased procoagulant activity in cultured fibroblasts from progeria and Werner's syndromes of premature ageing. Goldstein S, et al. **Nature** 260(5553):711–3, 22 Apr 76

WERNICKE'S ENCEPHALOPATHY

DIAGNOSIS

Electro–nystagmography for the diagnosis of vestibular dysfunction in the Wernicke–Korsakow syndrome. Goor C, et al. **Clin Neurol Neurosurg** 78(2):112–7, 1975

Comparative value of pyruvate determination after glucose loading and transketolase determination for the diagnosis

of the Wernicke-Korsakow syndrome. Muller Kobold MJ, et al. **Clin Neurol Neurosurg** 78(2):107–11, 1975
[Wernicke's encephalopathy—diagnostic problem] Rektor I, et al. **Cesk Neurol Neurochir** 39(2):77–82, Mar 76 (Eng. Abstr.) **(Cze)**
[Letter: Wernicke-Korsakow syndrome] Muller Kobold MJ, et al. **Ned Tijdschr Geneeskd** 119(34):1326–7, 23 Aug 75 **(Dut)**

ETIOLOGY

Wernicke encephalopathy following prolonged artificial nutrition. Blennow G. **Am J Dis Child** 129(12):1456, Dec 75
Wernicke encephalopathy following prolonged intravenous therapy. Nadel AM, et al. **JAMA** 235(22):2403–5, 31 May 76
Wernicke's encephalopathy with intravenous hyperalimentation: remarks on similarities between wernicke's encephalopathy and the phosphate depletion syndrome. Baughman FA Jr, et al. **Mt Sinai J Med NY** 43(1):48–52, Jan–Feb 76

PATHOLOGY

[Neuropathological findings and clinical correlation in alcoholic encephalopathies] Gross H, et al. **Neuropatol Pol** 13(3–4):333–41, Jul–Dec 75 **(Ger)**
[Morphologic features of the alcoholic encephalopathy of Gaillet-Wernicke and problems concerning its diagnosis at autopsy] Zenkevich GS, et al. **Zh Nevropatol Psikhiatr** 75(7):1036–40, 1975 (Eng. Abstr.) **(Rus)**

WEST NILE FEVER see under **ARBOVIRUS INFECTIONS**

WEST NILE VIRUS

GROWTH & DEVELOPMENT

Characterization of Nigerian strains of West Nile virus by plaque formation. Odelola HA, et al. **Acta Virol (Praha)** 19(6):489–92, Nov 75

IMMUNOLOGY

Detection of West Nile complement-fixing antigen in Aedes albopictus cell cultures. Ajello C, et al. **Acta Virol (Praha)** 19(5):441–2, Sep 75
Purification of togavirus haemagglutinins by chromatography on controlled pore glass. Frisch-Niggemeyer W. **Acta Virol (Praha)** 19(5):381–6, Sep 75
Some properties of togavirus hemagglutinin studied with the aid of kaolin-adsorbed virus. Akov Y. **Arch Virol** 51(1–2):99–106, 1976
Solid-phase radioimmunoassay for antibodies to flavivirus structural and nonstructural proteins. Trent DW, et al. **Infect Immun** 13(5):1325–33, May 76
Antigenic relationships among Nigerian strains of West Nile virus by complement fixation and agar gel precipitation techniques. Odelola HA, et al. **Trans R Soc Trop Med Hyg** 70(2):138–44, 1976

PATHOGENICITY

Infection of the mosquito Aedes aegypti with infectious West Nile virus-antibody complexes. Johnson BK, et al. **Trans R Soc Trop Med Hyg** 69(3):336–41, 1975

WET LUNG SYNDROME see **PULMONARY EDEMA**

WETTING AGENTS see under **SURFACE-ACTIVE AGENTS**

WHALES see under **CETACEA**

WHEAT

The effect of wheat bran upon bile salt metabolism and upon the lipid composition of bile in gallstone patients. Pomare EW, et al. **Am J Dig Dis** 21(7):521–6, Jul 76
Wheat germ agglutinin. Evidence for a genetic basis of multiple forms. Rice RH. **Biochim Biophys Acta** 444(1):175–80, 24 Aug 76
Assay of thalassaemic messenger RNA in the wheat germ system. Pritchard J, et al. **Br J Haematol** 32(4):473–85, Apr 76
Lack of effect on blood lipid and calcium concentrations of young men on changing from white to wholemeal bread. Heaton KW, et al. **Br J Nutr** 35(1):55–60, Jan 76
Letter: Dietary fibre: search for the facts. Brasher C. **Br Med J** 1(6001):94–5, 10 Jan 76
Bran in hypertriglyceridaemia: a failure of response. Bremner WF, et al. **Br Med J** 3(5983):574, 6 Sep 75
Diverticular disease: threee studies. Part II - Treatment with bran. Brodribb AJ, et al. **Br Med J** 1(6007):425–8, 21 Feb 76
Diverticular disease: three studies. Part III - Metabolic effect of bran in patients with diverticular disease. Brodribb AJ, et al. **Br Med J** 1(6007):428–30, 21 Feb 76
Letter: Metabolic effects of bran. Leeds A, et al. **Br Med J** 1(6014):900–1, 10 Apr 76
Dietary chloride requirement of broiler chicks fed on a wheat-soya bean diet. Gardiner EE, et al. **Br Poult Sci** 17(3):337–40, May 76
A double fatality with children due to fumigated wheat. Heyndrickx A, et al. **Eur J Toxicol Environ Hyg** 9(2):113–8, Mar–Apr 76
The specificities of human IgE antibodies combining with cereal grains. Hoffman DR. **Immunochemistry** 12(6–7):535–8, Jul 75
Suggestive evidence for both stimulatory and inhibitory domains on human lymphocytes, as indicated by phospholipid turnover studies with wheat germ agglutinin and other lectins. Parker CW, et al. **Immunol Commun** 5(1–2):13–25, 1976
Some observations on the translational properties of wheat germ extracts. pp. 217–24. Legocki AB, et al. **In: Haenni AL, Beaud G, ed. In vitro transcription and translation of viral genomes. Paris, INSERM, 1975. QW 160 I35 1975.**
Effect of prolonged bran administration on serum levels of cholesterol, ionized calcium and iron in the elderly. Persson I, et al. **J Am Geriatr Soc** 24(7):334–5, Jul 76
Bloat in cattle. XVII. Wheat pasture bloat and its prevention with poloxalene. Bartley EE, et al. **J Anim Sci** 41(3):752–9, Sep 75
An interaction between bleomycin and human serum. The reaction of Ehrlich cells and Triticum plant roots to some antineoplastic drugs alone and in combination with human serum. Hilden J, et al. **J Antibiot (Tokyo)** 29(1):58–64, Jan 76
An affinity adsorbent for the rapid purification of wheat germ agglutinin. Wang R, et al. **J Chromatogr** 114(1):223–6, 12 Nov 75
A Cappelle-Desprez gliadin of high mobility. Ewart JA. **J Sci Food Agric** 27(7):695–8, Jul 76
Letter: Bran and the irritable bowel. **Lancet** 1(7958):540, 6 Mar 76
Letter: Bran and the irritable bowel. Manning AP, et al. **Lancet** 1(7959):588, 13 Mar 76
Letter: Sequence comparison of gamma-gliadin and coeliac-toxic alpha-gliadin. Patey AL, et al. **Lancet** 2(7937):718, 11 Oct 75
A double-blind trial of the effect of wheat bran on symptoms of irritable bowel syndrome. Soltoft J, et al. **Lancet** 1(7954):270–2, 7 Feb 76
Letter: Bran and blood-lipids. Truswell AS, et al. **Lancet** 1(7955):367, 14 Feb 76
Letter: Bran and the irritable bowel. Weinreich J. **Lancet** 1(7963):810–1, 10 Apr 76
The protein complex of bread dough as an interacting system. Jankiewicz M. **Nahrung** 19(9–10):775–83, 1975
Development of thermoluminescence bands during greening of wheat leaves under continuous and intermittent illumination. Inoue Y, et al. **Photochem Photobiol** 23(2):125–30, Feb 76
Effects of wheat bran and a mould (Fusarium) on cholesterol excretion in rats. Owen DE, et al. **Proc Nutr Soc** 35(1):38A–39A, May 76
[Occurrence of chlormequat (CCC) in wheat straw and its excretion in milk following feeding of straw pellets containing chlormequat] Ackermann H, et al. **Arch Exp Veterinaermed** 29(1):157–61, 1975 (Eng. Abstr.) **(Ger)**
[Substantiation of the concept of 'freshness' with fodder rye and wheat as examples] Ohmann G, et al. **Nahrung** 20(4):375–82, 1976 (Eng. Abstr.) **(Ger)**
[Characterization and spinning of alkaline solutions of wheat protein and casein] Schmandke H, et al. **Nahrung** 20(7):735–42, 1976 (Eng. Abstr.) **(Ger)**
[Some new results from isolation and fractionation of low molecular weight wheat proteins] Varga J, et al. **Nahrung** 19(9–10):785–92, 1975 (Eng. Abstr.) **(Ger)**
[Duration of the infectivity of eye-spot-diseased stubbles. III. Influence of roots on infectivity (author's transl)] Lange-de la Camp M, et al. **Zentralbl Bakteriol [Naturwiss]** 130(4):395–401, 1975 (Eng. Abstr.) **(Ger)**
[Influence of the degree of nonvitreousness on durum wheat semolina characteristics (author's transl)] Fabriani G, et al. **Riv Sci Tecn Nutr Um** 5(1):27–30, Jan–Feb 1975 (Eng. Abstr.) **(Ita)**
[Comparison of histone-like proteins from blue-green algae with ribosomal basic proteins of alga and wheat germ histones] Gofshtein LV, et al. **Biokhimiia** 40(5):1104–11, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[The influence of decreased temperatures on meiotic disorders in spring wheat] Tepliakov BI, et al. **Tsitol Genet** 8(5):406–8, Sep–Oct 74 (Eng. Abstr.) **(Rus)**
[A laboratory study of the possibility of benzpyrene penetration into wheat germ using different means of drying the products of combustion] Dikun PP, et al. **Vopr Pitan** (2):54–8, Mar–Apr 76 **(Rus)**
[Patterns of aflatoxin accumulation in the grain of wheat, rye and rice] L'vova LS, et al. **Mikrobiol Zh** 36(3):304–9, May–Jun 74 (Eng. Abstr.) **(Ukr)**
[Effect of bacterial antagonists on the development of wheat root rot] Pidoplichko VN, et al. **Mikrobiol Zh** 36(5):599–602, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

ADVERSE EFFECTS

Inhibitory effects of various drugs on dual asthmatic responses in wheat flour-sensitive subjects. Nakazawa T, et al. **J Allergy Clin Immunol** 58(1 PT 1):1–9, Jul 76
Decreased absorption of calcium, magnesium, zinc and phosphorus by humans due to increased fiber and phosphorus consumption as wheat bread. Reinhold JG, et al. **J Nutr** 106(4):493–503, Apr 76
Letter: Coeliac disease unmasked by self-challenge with wheat germ. Sewell JR, et al. **Lancet** 1(7960):638–9, 20 Mar 76

ANALYSIS

N-terminal amino acid sequence of wheat proteins that lack phenylalanine and histidine residues. Redman DG. **Biochem J** 155(1):193–5, 1 Apr 76
A method for the determination of guazatine residues in crops and soil. Lynch VP. **Environ Qual Saf [Suppl]** 3:124–8, 1975
Analytical method for malathion with automated colorimetry: application to malathion residues in wheat. Ott DE. **Environ Qual Saf [Suppl]** 3:8–11, 1975
Variability in the limiting amino acid and fatty acid composition of winter wheats and triticales. Lorenz K, et al. **J Agric Food Chem** 23(5):932–8, Sep–Oct 75
Degradation products of Phoxim (Bay 77488) on stored wheat. Mason WA, et al. **J Agric Food Chem** 24(2):299–304, Mar–Apr 76
Composition and properties of protein concentrate from normal and high-protein wheats. Wu YV, et al. **J Agric Food Chem** 23(5):906–9, Sep–Oct 75
Preparation of protein concentrate from normal and high-protein wheats. Wu YV, et al. **J Agric Food Chem** 23(5):903–5, Sep–Oct 75
Electron capture gas-liquid chromatographic method for the simultaneous analysis of 2,4-D, dicamba, and mecoprop residues in soil, wheat, and barley. Khan SU. **J Assoc Off Anal Chem** 58(5):1027–31, Sep 75
Survey of U.S. wheat for ochratoxin and aflatoxin. Shotwell OL, et al. **J Assoc Off Anal Chem** 59(1):122–4, Jan 76
Isolation of monoferric phytate from wheat bran and its biological value as an iron source to the rat. Morris ER, et al. **J Nutr** 106(6):753–60, Jun 76
Isolation of a Cappelle-Desprez gliadin. Ewart JA. **J Sci Food Agric** 26(7):1021–5, Jul 75
Separation and characterisation of chymotryptic peptides from alpha- and beta-purothionins of wheat. Mak AS, et al. **J Sci Food Agric** 27(3):205–13, Mar 76
Wheat albumin and globulin proteins: purothionin levels of stored flour. Patey AL, et al. **J Sci Food Agric** 27(7):688–90, Jul 76
Continuous automated assay of alpha-amylase inhibitors. Vittozzi L, et al. **J Sci Food Agric** 27(5):449–53, May 76
The nature of alkaloids of ergoty pearl millet or bajra and its comparison with alkaloids of ergoty rye and ergoty wheat. Bhat RV, et al. **Toxicol Appl Pharmacol** 36(1):11–7, Apr 76
Conversions of radioactive ethylenoxide 1,2-14C with constituents of wheat. Pfeilsticker K, et al. **Z Lebensm Unters Forsch** 156(3):158–62, 1974 (Eng. Abstr.) **(Ger)**
[Redundant nucleotide-sequences in DNA from wheat (author's transl)] Kern H, et al. **Z Naturforsch [C]** 31(1–2):104–7, Jan–Feb 76 **(Ger)**
[Investigation on wheat varieties of better protein quantity and quality (author's transl)] Cubadda R, et al. **Riv Sci Tecn Nutr Um** 5(1):19–22, Jan–Feb 1975 (Eng. Abstr.) **(Ita)**
[Accumulation of aflatoxins on wheat grain inoculated by Aspergillus flavus NRRL 2999 and their distribution in grinding products] Lvova LS, et al. **Prikl Biokhim Mikrobiol** 11(4):559–64, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Regulation of growth and differentiation in plant cells. pp. 17–25. Hendre RR, et al. **In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974.**

DRUG EFFECTS

[Effect of selenium salts on the growth and development of wheat on mountain cinnamonic forest steppization soils] pp. 154–61. Shakuri BK. **In: Gasanov GG, ed. Selen v biologii. Baku, Elm, 1974. QV 618 S464 1974.** (Eng. Abstr.) **(Rus)**
[The effect of several chemical mutagens on chromosomal transformations and growth processes in durum wheat] Mamalyga VS. **Tsitol Genet** 8(5):425–9, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A new method for the large-scale purification of wheat germ DNA-dependent RNA polymerase II. Jendrisak JJ, et al. **Biochemistry** 14(21):4639–45, 21 Oct 75
Studies on a DNA polymerse gamma-like enzyme from wheat embryos. Tarragó-Litvak L, et al. **FEBS Lett** 59(1):125–30, 1 Nov 75
Formation of volatile carbonyl compounds and cooxidation of beta-carotene by lipoxygenase from wheat, potato, flax, and beans. Grosch W, et al. **J Agric Food Chem** 24(3):456–9, May–Jun 76
A simple gel-diffusion assay of alpha-amylase in ungerminated wheat grains. Gothard PG. **J Sci Food Agric** 27(7):691–4, Jul 76
[Phenylalanyl-tRNA synthetase of wheat embryos. Purification, molecular weight, structure, properties] Carias JR, et al. **Biochimie** 58(3):253–9, 1976 (Eng. Abstr.) **(Fre)**
[Determination of GSH-DH activity (E.C.1.8.5.1) presence

of the enzyme in different wheat varieties (author's transl)] Kahnt WD, et al. **Z Lebensm Unters Forsch** 158(2):77–82, 30 Jun 75 (Eng. Abstr.) **(Ger)**

[Binding of phosphopyridoxyl derivatives to apoaspartate aminotransferase from wheat germ] Orlacchio A, et al. **Boll Soc Ital Biol Sper** 50(23–24):2015–9, 30 Dec 74 **(Ita)**

[Wheat protein disulfide reductase] Gorpinchenko TV, et al. **Biokhimiia** 40(2):323–30, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

METABOLISM

Translation of collagen messenger RNA in a cell-free system derived from wheat germ. Benveniste K, et al. **Biochemistry** 15(4):830–5, 24 Feb 76

Changes in fatty acid composition in wheat cultivars of contrasting hardiness. de la Roche IA, et al. **Cryobiology** 12(5):506–12, Oct 75

Distribution and metabolism of chlormequat (CCC) in potato– and wheat plants. Dekhuijzen HM. **Environ Qual Saf [Suppl]** 3:477–82, 1975

Translocation and metabolism of Pyracarbolid in wheat. Oeser H, et al. **Environ Qual Saf [Suppl]** 3:557–61, 1975

Metabolism of (14C)–lindane in plants and animals. pp. 149–56. Saha JG.
In: Origin and fate of chemical residues in food, agriculture and fisheries. Vienna, International Atomic Energy Agency, 1975. WA 240 069 1973–74.

Characterization of bound residues of nitrofen in rice and wheat straw. Honeycutt RC, et al. **J Agric Food Chem** 23(6):1097–101, Nov–Dec 75

Environmental influences on wheat lysine content. Lawrence JM. **J Agric Food Chem** 24(2):356–8, Mar–Apr 76

Changes in concentrations and interrelationships of phytate, phosphorus, magnesium, calcium, and zinc in wheat during maturation. Nahapetian A, et al. **J Agric Food Chem** 23(6):1179–82, Nov–Dec 75

Characterization of bound residues of nitrofen in cereal grains. Wargo JP, et al. **J Agric Food Chem** 23(6):1095–7, Nov–Dec 75

Comprehensive examination of protein distribution profile in wheat grain. Mitsunaga T, et al. **J Nutr Sci Vitaminol (Tokyo)** 21(5):363–72, 1975

Effects of temperature, photoperiod, and light quantity on protein production in wheat grains. Kolderup F. **J Sci Food Agric** 26(5):583–92, May 75

An assay for albumin messenger RNA in an vitro protein synthesizing system from wheat germ. Peterson JA. **Nucleic Acids Res** 3(6):1427–36, Jun 76

Changes in numbers of micro–organisms during decomposition of root exudates in soil. Abdel–Nasser M, et al. **Zentralbl Bakteriol [Naturwiss]** 130(8):738–44, 1975

[Redistribution of initiation and elongation factors after germination of wheat] Quintard B, et al. **Biochimie** 57(6–7):833–5, 1975 **(Fre)**

[Accumulation of stored nutritive substances in hexaploid Triticale seeds] Zhila ED, et al. **Tsitol Genet** 8(5):435–7, Sep–Oct 74 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Biological changes in the rhizosphere of wheat after foliar application of chlorocholinechloride, urea and 4–chloro–2–methylphenoxyacetic acid. Vraný J. **Folia Microbiol (Praha)** 20(5):402–8, 1975

[Identification of Pseudomonas atrofaciens (MC. Culloch) Stevens by serological method] Pastushenko LT, et al. **Mikrobiol Zh** 37(3):373–4, May–Jun 75 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

[CNA–synthesis in gamma–platlets of wheat (author's transl)] Kern H. **Z Naturforsch [C]** 30(2):300–1, Mar–Apr 75 (Eng. Abstr.) **(Ger)**

TOXICITY

Non–specific cytotoxicity of wheat gliadin components towards cultured human cells. Hudson DA, et al. **Lancet** 1(7955):339–41, 14 Feb 76

WHEELCHAIRS

A versatile wheelchair armrest attachment. Goold NJ. **Am J Occup Ther** 30(8):502–4, Sep 76

Basketball fireworks ... wheelchair style. Conn G. **Am Rehabil** 1(3):16–7, Jan–Feb 75

Wheelchair cushions designed to prevent pressure sores: an evaluation. DeLateur BJ, et al. **Arch Phys Med Rehabil** 57(3):129–35, Mar 76

Combination wheelchair–stretcher ('Blythemobile'). Katz JF, et al. **Arch Phys Med Rehabil** 56(11):499–500, Nov 75

Wheelchair for transfer into motor vehicles. Sharard A. **Arch Phys Med Rehabil** 57(1):41–2, Jan 76

The manufacture of moulded supportive seating for the handicapped. Nelham RL. **Biomed Eng** 10(10):379–81, Oct 75

Role of the wheelchair in the management of the muscular dystrophy patient. Gibson DA, et al. **Can Med Assoc J** 113(10):964–6, 22 Nov 75

Wheelchair maintenance, refurbishment, and replacement. McGourty TF. **Hospitals** 50(17):123–4, 127, 1 Sep 76

Forearm rest attachment as an aid to standing. Cascolan D. **Phys Ther** 55(9):991–2, Sep 75

Contingent feedback for training children to propel their wheelchairs. Grove DN, et al. **Phys Ther** 56(7):815–20, Jul 76

A useful attachment for a wheel–chair. Rabam JS. **Practitioner** 216(1294):449, Apr 76

Modification of standard 8BL chair for the use of double amputees. Hamilton EA, et al. **Rheumatol Rehabil** 15(1):24–5, Feb 76

[Electric wheelchairs—indication and technical possibilities] Berger P, et al. **Beitr Orthop Traumatol** 22(3):172–5, Mar 75 **(Ger)**

[Development of a folding, collapsible electric wheelchair] Pinder HE. **Beitr Orthop Traumatol** 22(12):700–3, Dec 75 **(Ger)**

[Thoughts on the rehabilitation of patients with walking disability (wheelchair users)] Kluge H. **Z Gesamte Hyg** 21(3):236–40, Mar 75 (Eng. Abstr.) **(Ger)**

WHIPLASH INJURIES

Mathematical model for investigating combined seatback–head restraint performance during rear–end impact. Fox JC, et al. **Med Biol Eng** 14(3):263–73, May 76

[Cervical whiplash] Dupuis M. **Union Med Can** 105(5):734–40, May 76 (Eng. Abstr.) **(Fre)**

[Whiplash injuries of the cervical spine and Swiss insurance against accidents (author's transl)] Baur E. **Radiol Clin (Basel)** 44(4):251–64, 1975 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Whiplash: chronic organic brain syndrome without hydrocephalus ex vacuo. Berstad JR, et al. **Acta Neurol Scand** 51(4):268–84, Apr 75

Esophageal disruption from blunt and penetrating external trauma. Splener CW, et al. **Arch Surg** 111(6):663–7, Jun 76

[Treatment of post–traumatic 'vertigo' accompanied by simple cerebellar ataxia. Efficacy of procainization of lumbar erector muscles] Ushio N. **Acta Otolaryngol [Suppl] (Stockh)** (330):129–43, 1975 **(Fre)**

[Letter: Whiplash injury and arrythmia] Kunert W. **Dtsch Med Wochenschr** 100(51):2623, 19 Dec 75 **(Ger)**

[Effect of a degenerative precondition on spinal injuries involving soft tissue] Hinz P. **Hefte Unfallheilkd** (121):127–30, 1975 **(Ger)**

[The method of the treatment for patients of the cranio–cervical syndrome, especially with the orthoptic training for increasing the fusional amplitude (author's transl)] Kimura T. **Acta Soc Ophthalmol Jpn** 79(5):474–85, 10 May 75 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Whiplash injury (author's transl)] Aufdermaur M. **Radiol Clin (Basel)** 44(4):234–5, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Neurotological studies on the role of the sympathetic nervous system in the formation of traumatic vertigo of cervical origin. Hinoki M, et al. **Acta Otolaryngol [Suppl] (Stockh)** (330):185–96, 1975

Acute flexion–extension injury of the neck. Electronystagmographic study of 309 patients. Toglia JU. **Neurology (Minneap)** 26(9):808–14, Sep 76

RADIOGRAPHY

[Radiological study of osteoarticular lesions secondary to cervical trauma (author's transl)] Candardjis G, et al. **Radiol Clin (Basel)** 44(4):265–75, 1975 (Eng. Abstr.) **(Fre)**

[The post–traumatic cervical syndrome. The whiplash injury. Symptoms, diagnosis, treatment (author's transl)] Jung A, et al. **Radiol Clin (Basel)** 44(4):288–99, 1975 (Eng. Abstr.) **(Fre)**

[Value of contrast media diagnosis in the evaluation of distortions of degeneratively altered cerebral spines] Bergk KH, et al. **Hefte Unfallheilkd** (121):277–9, 1975 **(Ger)**

THERAPY

Trauma or treatment? The role of intermittent traction in the treatment of cervical soft tissue injuries. Weinberger LM. **J Trauma** 16(5):377–82, May 76

Conservative treatment of intervertebral disc lesions and 'whiplash' injuries. Marshall LL. **Med J Aust** 2(1):30–1, 5 Jul 75

[Orthopaedic treatment of whiplash injuries of the cervical spine (author's transl)] Taillard W, et al. **Radiol Clin (Basel)** 44(4):236–50, 1975 (Eng. Abstr.) **(Fre)**

WHIPPLE'S DISEASE see **LIPODYSTROPHY, INTESTINAL**

WHITE HEIFER DISEASE see **FREEMARTINISM**

WHITE MUSCLE DISEASE see under **MUSCULAR DYSTROPHY, ANIMAL**

WHOLE BODY COUNTERS

NaI (Tl) detector efficiency calculations for distributed sources in a human phantom. Andrási A, et al. **Int J Appl Radiat Isot** 26(8):451–4, Aug 75

Nuclear medicine and pediatric neoplasia. Gilday DL. **Pediatr Clin North Am** 23(1):41–53, Feb 76

67Ga citrate distribution following whole–body irradiation or chemotherapy. Fletcher JW, et al. **Radiology** 117(3 Pt 1):709–12, Dec 75

[Structure and application possibilities of whole body counters] pp. 322–30. Ertl S.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. **(Ger)**

[Whole–body activity counter. Part 1: physical–technological principles] Koeppe P. **Radiobiol Radiother (Berl)** 16(4):369–418, 1975 (Eng. Abstr.) **(Ger)**

[Whole body counter—a review—part 2: medical use] Koeppe P. **Radiobiol Radiother (Berl)** 16(5):491–510, 1975 (31 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Design and calibration of a total–body counting system for measuring radioactivity in beagles. Lloyd RD, et al. **Int J Appl Radiat Isot** 27(2):103–11, Feb 76

[Study of different states of iodine metabolism in rats by means of whole–body radiometry] Spryshkova NA, et al. **Probl Endokrinol (Mosk)** 22(2):70–5, 1976 (Eng. Abstr.) **(Rus)**

WHOOPING COUGH

see related
PERTUSSIS VACCINE

Whooping cough in infancy. O'Grady R, et al. **Am J Nurs** 76(1):114–7, Jan 76

Severity of notified whooping cough. Miller CL, et al. **Br Med J** 1(6002):117–9, 17 Jan 76

Pertussis. Olson LC. **Medicine (Baltimore)** 54(6):427–69, Nov 75

[Leukocytes and antibody activity in lung infection by Bordetella pertussis in mice] Tabayashi T, et al. **Jpn J Bacteriol** 30(1):199, Jan 75 **(Jpn)**

[Clinico–epidemiological peculiarities of whooping cough in children in the 1st year of life] Alekseeva ON, et al. **Vopr Okhr Materin Det** 20(9):48–50, Sep 75 (Eng. Abstr.) **(Rus)**

BLOOD

Lymphocyte subpopulations in pertussis. Tsukimoto I, et al. **J Pediatr** 88(5):826–8, May 76

[Effect of therapeutic electrophoresis by different methods on blood oxygen saturation in children with whooping cough] Gorelik ND. **Vopr Kurortol Fizioter Lech Fiz Kult** (1):80–3, Jan–Feb 75 **(Rus)**

COMPLICATIONS

[Pertussis and it complications–analysis of hospitalized patients in Hamburg 1950–1970 (author's transl)] Ehrengut W, et al. **Immun Infekt** 3(6):269–77, Dec 75 (Eng. Abstr.) **(Ger)**

[Pneumopericardium in pertussis] Vaccino P, et al. **Minerva Pediatr** 27(27):1503–4, 8 Sep 75 **(Ita)**

[A supplement of neuropathology of the acute encephalopathies in childhood, especially about the relation of acute toxic encephalopathy and Ekiri, Ekiri–like syndrome. III. The neuropathology of the postinfectious encephalopathy (author's transl)] Ogawa T. **Psychiatr Neurol Jpn** 78(5):403–15, 1976 (Eng. Abstr.) **(Jpn)**

[Causes of fever fluctuating course of whooping cough in infants under 1 year of age] Alekseeva ON, et al. **Pediatriia** (1):31–5, Jan 76 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Letter: Diagnosis of whooping cough] Bickel E. **Med Klin** 71(6):257, 6 Feb 76 **(Ger)**

[Diagnosis of whooping cough in children] Sukhareva ME, et al. **Pediatriia** (1):26–31, Jan 76 **(Rus)**

[Clinical manifestations of pertussis in children following specific immunization] Shvalko AD. **Tr Leningr Inst Epidemiol Mikrobiol** 39:88–94, 1973 **(Rus)**

[Diagnosis of whooping cough by direct immunofluorescence] Prado V, et al. **Rev Chil Pediatr** 46(1):41–4, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Letter: Treatment of whooping cough. **Br Med J** 1(6003):219, 24 Jan 76

Letter: Whooping–cough vaccination. Davis JA. **Br Med J** 4(5999):757, 27 Dec 75

[Azidocillin: activity in vitro, pharmacokinetics and therapeutic results in whooping cough] Simon C, et al. **Arzneim Forsch** 26(3):424–6, 1976 (Eng. Abstr.) **(Ger)**

ETIOLOGY

['Pertussoid' respiratory disease in a 4–months–old infant with alpha 1 antitrypsin deficiency] Tomášová H, et al.

Cesk Pediatr 31(3):149–50, Mar 76 (Eng. Abstr.) **(Cze)**

[Aerosol inoculation of Bordetella pertussis in mice] Sato Y, et al. **Jpn J Bacteriol** 30(1):198, Jan 75 **(Jpn)**

HISTORY

[Epidemiologic characteristics of pertussis in Leningrad (1950—1971)] Kozlova NA.
Tr Leningr Inst Epidemiol Mikrobiol 39:13–24, 1973 **(Rus)**

IMMUNOLOGY

Potentiation of the adrenergic beta-receptor-mediated insulin secretion in pertussis-sensitized rats. Sumi T, et al. **Endocrinology** 97(2):352–8, Aug 75

Pertussis antibodies in whooping cough. Agarwal KC, et al. **Indian J Med Res** 63(4):533–8, Apr 75

Pertussis agglutinins and complement fixing antibodies in whooping cough. Agarwal KC, et al. **Prog Drug Res** 19:178–88, 1975

[Immunological studies of whooping cough] Funabashi M, et al. **J Jpn Assoc Infect Dis** 49(8):326–9, Aug 75 (Eng. Abstr.) **(Jpn)**

[Pertussis in Chiba Prefecture: with special reference to serological observation] Ichimura H, et al.
J Jpn Assoc Infect Dis 50(3):73–9, Mar 76 (Eng. Abstr.) **(Jpn)**

[Immunologic indices and C-reactive protein of the serum of children with pertussis] Shvalko AD, et al.
Tr Leningr Inst Epidemiol Mikrobiol 39:84–7, 1973 **(Rus)**

The character of antibodies to pertussia microbes] Skliarova NN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:70–6, 1973 **(Rus)**

[Antibodies of a varying physicochemical nature in whooping cough infection] Gizatulina SS, et al.
Zh Mikrobiol Epidemiol Immunobiol (5):143–4, May 75 **(Rus)**

[Maturation of the humoral immunity in the child, immunoglobulin levels and presence of specific antidiphteric, antitetanic and antipertussic antibodies] Citkuseva L, et al. **God Zb Med Fak Skopje** 21:43–8, 1975 (Eng. Abstr.) **(Ser)**

MICROBIOLOGY

The serotypes of Bordetella pertussis isolated in Great Britain between 1941 and 1968 and a comparison with the serotypes observed in other countries over this period. Bronne-Shanbury C, et al. **J Hyg (Camb)** 76(2):265–75, Apr 76

[Freshly isolated strains of pertussis microbes] Remova TN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 39:42–7, 1973 **(Rus)**

[Several results of serologic typing of pertussis cultures isolated in Leningrad] Skliarova NN, et al.
Tr Leningr Inst Epidemiol Mikrobiol 39:33–41, 1973 **(Rus)**

[Adenovirus and whooping cough] Wu E, et al.
Rev Chil Pediatr 46(1):34–40, Jan–Feb 75 (Eng. Abstr.) **(Spa)**

[Role of the changed forms of microbes of the genus Bordetella in whooping cough infection] Verezub LG, et al. **Mikrobiol Zh** 37(6):738–43, Nov–Dec 75 (Eng. Abstr.) **(Ukr)**

OCCURRENCE

Whooping-cough vaccine. Statement by Joint Committee on Vaccination and Immunization of the Central Health Services Council and the Scottish Health Service Planning Council. **Br Med J** 3(5985):687–8, 20 Sep 75

Attack rates of notified whooping cough in immunised and unimmunised children. Noah ND. **Br Med J** 1(6002):128–9, 17 Jan 76

[Whooping cough in Denmark during the period 1959–1974. Experience with two preventive vaccination programs] Lautrop H. **Ugeskr Laeger** 138(23):1382–9, 31 May 76 (Eng. Abstr.) **(Dan)**

[Hospital experiences during the whooping cough epidemic in 1973–1974] Melchior JC, et al. **Ugeskr Laeger** 138(23):1389–91, 31 May 76 (Eng. Abstr.) **(Dan)**

[Pertussis] Adonajlo A. **Przegl Epidemiol** 30(1):93–4, 1976 **(Pol)**

[Etiological structure of outbreaks of whooping-cough morbidity in a high percentage of the vaccinated] Selidovkin DA, et al.
Zh Mikrobiol Epidemiol Immunobiol (2):143–4, Feb 76 **(Rus)**

PHYSIOPATHOLOGY

Clinical study of diphtheria, pertussis and tetanus. raju vb, et al. **Prog Drug Res** 19:356–60, 1975

[Current problems of the pathogenesis of whooping cough] Shvalko AD, et al. **Pediatriia** (1):15–20, Jan 74 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Whooping-cough vaccination. **Br Med J** 4(5990):186–7, 25 Oct 75

Letter: Immunisation against whooping cough. **Br Med J** 1(6006):396, 14 Feb 76

Letter: Whooping-cough vaccine. Dick G. **Br Med J** 4(5989):161, 18 Oct 75

Letter: Immunisation against whooping cough. Preston NW. **Br Med J** 1(6012):770–1, 27 Mar 76

Letter: Immunisation against whooping cough. Stewart GT. **Br Med J** 1(6001):93–4, 10 Jan 76

Letter: Immunisation against whooping cough. Stewart GT. **Br Med J** 1(6004):283, 31 Jan 76

Letter: Immunisation against whooping cough. Stewart GT. **Br Med J** 1(6009):583, 6 Mar 76

Letter: Whooping-cough vaccine. Wilson J. **Br Med J** 4(5994):459–60, 22 Nov 75

Mouse or man? Which are pertussis vaccines to protect? Preston NW, et al. **J Hyg (Camb)** 76(2):249–56, Apr 76

Can whooping cough be eradicated? Kendrick PL.
J Infect Dis 132(6):707–12, Dec 75

Whooping-cough immunisation policy. **Lancet** 2(7934):544, 20 Sep 75

Epidemiological evaluation of immunisation and other factors in the control of whooping-cough. Bassili WR, et al.
Lancet 1(7957):471–4, 28 Feb 76

Letter: Whooping-cough vaccination. Bassili WR, et al.
Lancet 1(7964):863, 17 Apr 76

Letter: Whooping-cough vaccination. Bassili WR, et al.
Lancet 1(7968):1074, 15 May 76

Letter: Whooping-cough vaccination. Fraser DW. **Lancet** 1(7966):969, 1 May 76

Letter: Whooping-cough vaccination. Gostling JV, et al.
Lancet 2(7883):773, 28 Sep 74

Use of pertussis vaccine in an epidemic involving hospital staff. Linnemann CC Jr, et al. **Lancet** 2(7934):540–3, 20 Sep 75

Letter: Protective activity of whooping-cough convalescent serum and serum-IgA level in mice infected with Bordetella pertussis. Pittman M. **Lancet** 2(7977):156, 17 Jul 76

Protection by pertussis vaccine. Little cause for concern. Preston NW. **Lancet** 1(7968):1065–7, 15 May 76

Present status of pertussis vaccination. Edsall G.
Practitioner 215(1287):310–4, Sep 75

Immunization against whooping cough. **WHO Chron** 29(9):365–7, Sep 75

[Effect of infectious diseases on levels of pertussis antibodies in children vaccinated against pertussis] Adonajlo A, et al. **Przegl Epidemiol** 29(3):321–6, 1975 (Eng. Abstr.) **(Pol)**

[The effectiveness of revaccinating children with pertussis monovaccine in foci of pertussis] Skliarova NN, et al.
Tr Leningr Inst Epidemiol Mikrobiol 39:77–83, 1973 **(Rus)**

[Current problems of vaccinating children against diphtheria, pertussis and tetanus] Braginskaia VP.
Vestn Akad Med Nauk SSSR (4):22–7, 1975 (Eng. Abstr.) **(Rus)**

[Reactivity, immunogenicity and epidemiological effectiveness of vaccination according to various schemes of immunization against whooping-cough, diphtheria and tetanus] Kucheriavenko VS, et al.
Zh Mikrobiol Epidemiol Immunobiol (12):100–4, Dec 75 (Eng. Abstr.) **(Rus)**

[Improvement of the calendar of immunizations against pertussis, diphtheria and tetanus] Sokhin AA.
Zh Mikrobiol Epidemiol Immunobiol (3):108–15, 1976 (Eng. Abstr.) **(Rus)**

THERAPY

[Treatment of whooping cough complicated by pneumonia in infants under 1 year of age] Podlevskil AF, et al.
Pediatriia (1):35–8, Jan 76 **(Rus)**

TRANSMISSION

Epidemiology of pertussis. D'Sa JA. **Prog Drug Res** 19:257–62, 1975

[Epidemiological evaluation of the effectiveness of the obligatory isolation of whooping cough patients in schools] Okinshevich EA, et al.
Zh Mikrobiol Epidemiol Immunobiol (6):108–11, Jun 76 (Eng. Abstr.) **(Rus)**

WILL see **VOLITION**

WILLIS' CIRCLE see **CIRCLE OF WILLIS**

WILLS

Why consider a prenuptial agreement? Sloane L.
Am J Nurs 76(8):1333, Aug 76

Do you need a will? **Conn Med** 40(1):71, Jan 76

Trusts and estate planning. pp. 115–43. Effland RW.
In: Kindred M, et al., ed. The mentally retarded children and the law. New York, Free Press, 1976. WM 300 M5545 1973.

[A will contested—a physician reminded] **Lakartidningen** 73(24):2278, 9 Jun 76 **(Swe)**

WILMS' TUMOR see **NEPHROBLASTOMA**

WILSON'S DISEASE see **HEPATOLENTICULAR DEGENERATION**

WIND see under **AIR MOVEMENTS**

WINE

Influence of wine composition on the heat resistance of potential spoilage organisms. Splittstoesser DF, et al.
Appl Microbiol 30(3):369–73, Sep 75

Port wine and the gout. Healey LA. **Arthritis Rheum** 18(6 Suppl):659–62, Nov–Dec 75

Studies on the Monascus isolated from the startor of Kaoliang Brandy. Lin CF. **Chin J Microbiol** 8(2):152–60, Jun 75

Home beer and wine making—the need for some caution. Reilly C. **R Soc Health J** 96(3):134–5, Jun 76

[Observation of bacteriophages in wine (author's transl)] Sozzi T, et al. **Experientia** 32(5):568–9, 15 May 76 (Eng. Abstr.) **(Fre)**

[Peripheral circulatory disorders and acrocyanosis in arsenic exposed Moselle wine-growers] Grobe VJ.
Berufsdermatosen 24(3):78–84, Jun 76 (Eng. Abstr.) **(Ger)**

ANALYSIS

Iron deposits in chronic alcoholics. Special studies in relation to the iron contained in red wine. Miralles Garcia JM, et al. **Acta Hepatogastroenterol (Stuttg)** 23(1):10–9, Feb 76

Measurement of N-carbethoxyproline and N-carbethoxyglycine in model solutions and in wine. Baker JC, et al. **J Agric Food Chem** 24(3):528–32, May–Jun 76

An enzymic assay for acetate fruit juices and wines. McCloskey LP. **J Agric Food Chem** 24(3):523–6, May–Jun 76

Trace element analysis of wine by proton-induced x-ray fluorescence spectrometry. Noble AC, et al.
J Agric Food Chem 24(3):532–5, May–Jun 76

Ethylcarbamate in fermented beverages and foods. II. Possible formation of ethylcarbamate from diethyl dicarbonate addition to wine. Ough CS.
J Agric Food Chem 24(2):328–31, Mar–Apr 76

Measurement of methylcarbamate formed by the addition of dimethyl dicarbonate to model solutions and to wines. Ough CS, et al. **J Agric Food Chem** 24(2):428–30, Mar–Apr 76

Spectrofluorometric determination of beta-asarone in sweet and dry vermouths. Wojtowicz EJ. **J Agric Food Chem** 24(3):526–8, May–Jun 76

Gas-liquid chromatographic determination of beta-asarone in wines and flavors. Dyer RH, et al.
J Assoc Off Anal Chem 59(3):675–7, May 76

Analysis of bromide ion in wine by ion selective electrode. Graf JE, et al. **J Assoc Off Anal Chem** 59(1):53–5, Jan 76

Enzymatic determination of butane-2,3-diol in wines. Muraki H, et al. **J Sci Food Agric** 27(4):345–50, Apr 76

[Gas chromatographic study of odor and flavor components of dry wine] Edelényi M, et al. **Nahrung** 20(4):347–52, 1976 (Eng. Abstr.) **(Ger)**

[Bouquet qualification of wines by gas chromatography. 1. Experimental method for gas phase analysis] Jobbágy A, et al. **Nahrung** 20(3):287–94, 1976 (Eng. Abstr.) **(Ger)**

[Bouquet qualification of wines by gas chromatography. 2. Development of measuring unit for bouquet qualification by determination of relationship of chromatographic peak areas and conditions of application] Jobbágy A, et al.
Nahrung 20(3):295–305, 1976 (Eng. Abstr.) **(Ger)**

[Lead content of Hungarian wines (author's transl)] Nagy L, et al. **Z Lebensm Unters Forsch** 160(2):141–2, 27 Feb 76 (Eng. Abstr.) **(Ger)**

[GLC-mass-spectrometrical investigation of volatile constituents of wine. IV. Identification of secondary amides in wines (author's transl)w Schreier P, et al.
Z Lebensm Unters Forsch 157(1):34–7, 7 Feb 75 **(Ger)**

[Studies on the lead concentrations of wines] Biscardi D, et al. **Nuovi Ann Ig Microbiol** 25(6):381–9, Nov–Dec 74 (Eng. Abstr.) **(Ita)**

[Chemical characteristics of 'artificial wines' (author's transl)] Amati A, et al. **Riv Sci Tecn Nutr Um** 5(3):177–82, May–Jun 75 (Eng. Abstr.) **(Ita)**

[Improvement of the concentration method of the 'head space' above wine for direct gas chromatograpnic analysis by means of two absorbent polymers (author's transl)] Bertuccioli M, et al. **Riv Sci Tecn Nutr Um** 5(1):39–41, Jan–Feb 1975 (Eng. Abstr.) **(Ita)**

[Proportion of proline in wines from province of Trapani produces in 1973/74 and 1974/75 years, determinated with changed Ough's method (author's transl)] Cavasino G, et al. **Riv Sci Tecn Nutr Um** 5(2):113–4, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Proline content of Italian wines (author's transl)] Cerutti G, et al. **Riv Sci Tecn Nutr Um** 5(5–6):309–11, Sep–Dec 75 (Eng. Abstr.) **(Ita)**

[A gaschromatographic method proposed for sorbitol and sucrose determination in musts and wines (author's transl)] Lercker G, et al. **Riv Sci Tecn Nutr Um** 5(4):247–9, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[The proline content of Sardinian wines (author's transl)] Madau G. **Riv Sci Tecn Nutr Um** 5(2):111–2, Mar–Apr 75 (Eng. Abstr.) **(Ita)**

[Level and stability of resistance to SO2 in wild strain of Saccharomyces ellipsoideus (author's transl)] Romano P, et al. **Riv Sci Tecn Nutr Um** 5(4):245–6, Jul–Aug 75 (Eng. Abstr.) **(Ita)**

[Artificial colors in wines. Their identification by thin layer chromatography. The Laboratory of the Official College of Pharmacists of the Province of Tarragona] Ciutat R.
Rev Sanid Hig Publica (Madr) 48(10):907–46, Oct 74 **(Spa)**

WING

ABNORMALITIES

Studies on the female-sterile mutant rudimentary of Drosophila melanogaster. I. An analysis of the rudimentary wing phenotype. Fausto-Sterling A, et al. **Dev Biol** 51(2):269–81, 15 Jul 76

Effect of the Wingless (wg1) mutation on wing and haltere development in Drosophila melanogaster. Sharma RP, et al. **Dev Biol** 48(2):461–5, Feb 76

ANALYSIS

Characterization and purification of messenger RNAs containing poly A in insect imaginal disks. Tarroux P. **Biochimie** 57(6–7):757–63, 1975

ANATOMY & HISTOLOGY

Compartments in the wing of Drosophila: a study of the engrailed gene. Lawrence PA, et al. **Dev Biol** 50(2):321–37, Jun 76

Negative complementation at the notch locus of Drosophila melanogaster. Foster GG. **Genetics** 81(1):99–120, Sep 75

Studies on the nature and function of polygenic loci in Drosophila. III. Veinlet modifiers having region-specific effects upon the vein pattern. Thomposn JN Jr. **Genetics** 81(2):387–402, Oct 75

A test of the influence of isoallelic variation upon a quantitative character. Thompson JN Jr. **Heredity (Lond)** 35(3):401–6, Dec 75

A new sex-linked mutant short wing in Aedes aegypti. Uppal DK, et al. **Heredity (Lond)** 36(1):147–50, Feb 76

'Ambidexterity' in bat wings as evidenced by bone weight. Lawson DL. **J Anat** 120(2):289–93, Nov 75

EMBRYOLOGY

Control processes in development: Pattern formation in chick limb morphogenesis. Wolpert L. **Ann Biomed Eng** 3(4):401–5, Dec 75

The in vitro maintenance of the apical ectodermal ridge of the chick embryo wing bud: an assay for polarizing activity. MacCabe JA, et al. **Dev Biol** 45(2):349–57, Aug 75

Inductive activity and enduring cellular constitution of a supernumerary apical ectodermal ridge grafted to the limb bud of the chick embryo. Saunders JW Jr, et al. **Dev Biol** 50(1):16–25, May 76

Clonal analysis of a genetically caused duplication of the anterior wing in Drosophila melanogaster. Whittle JR. **Dev Biol** 51(2):257–68, 15 Jul 76

The function of the ectodermal apical ridge and distinctive characteristics of adjacent distal mesoderm in the avian wing-bud. Cairns JM. **J Embryol Exp Morphol** 34(1):155–69, Aug 75

Cell proliferation in the developing wing-bud of normal and talpid3 mutant chick embryos. Ede DA, et al. **J Embryol Exp Morphol** 34(3):589–607, Dec 75

Fate maps and the pattern of cell division: a calculation for the chick wing-bud. Lewis JH. **J Embryol Exp Morphol** 33(2):419–34, Apr 75

A descriptive study of the rate of elongation and differentiation of the skeleton of the developing chick wing. Summerbell D. **J Embryol Exp Morphol** 35(2):241–60, Apr 76

Normal development of the chick wing following removal of the polarizing zone. Fallon JF, et al. **J Exp Zool** 193(3):449–55, Sep 75

Positional signalling by mouse limb polarising region in the chick wing bud Tickle C, et al. **Nature** 259(5542):396–7, 5 Feb 76

[The origin of the wing musculature of birds] Chevallier A, et al. **C R Acad Sci [D] (Paris)** 282(3):309–11, 19 Jan 76 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Intercalary regeneration in imaginal wing disk of Drosophila melanogaster. Haynie JL, et al. **Nature** 259(5545):659–62, 26 Feb 76

Investigation on wing development by a multivariate analysis. Rocchetta G, et al. **Riv Biol** 68(1–2):67–78, Jan-Jun 75

[Effect of a farnesol derivative on the appearance of winged females in aphaenogaster senilis (Hymenoptera, Formicoidea)] Ledoux A. **C R Acad Sci [D] (Paris)** 282(6):569–70, 9 Feb 76 (Eng. Abstr.) **(Fre)**

INJURIES

[Accidental injuries and means of treatment in zoo birds] Ruempler G. **Tieraerztl Prax** 3(4):425–30, 1975 **(Ger)**

INNERVATION

[Functional peculiarities of stretch receptors of the flight apparatus in the cockroach Periplaneta americana] Gorelkin VS. **Zh Evol Biokhim Fiziol** 11(5):483–9, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

[Functional features of wind-sensitive receptors triggering the wing muscle neurons of the desert locust, Calliptamus barbarus] Karelin IuA, et al. **Zh Evol Biokhim Fiziol** 12(1):44–50, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Nationwide residues of organochlorines in wings of adult mallards and black ducks, 1972–73. White DH, et al. **Pestic Monit J** 9(4):175–85, Mar 76

PHYSIOLOGY

Letter: Reply: Pheromones vs. wings in Drosophila courtship. Averhoff WW, et al. **Behav Genet** 6(1):97–8, Jan 76

Aerodynamic properties of an insect wing section and a smooth aerofoil compared. Rees CJ. **Nature** 258(5531):141–2, 13 Nov 75

SURGERY

Pinioning young birds with hemostatic clips. (a photographic essay). Robinson PT, et al. **Vet Med Small Anim Clin** 70(12):1415–7, Dec 75

WINSTROL see **STANOZOLOL**

WIRSUNG'S DUCT see **PANCREATIC DUCTS**

WISSLER-FANCONI SYNDROME see **WISSLER'S SYNDROME**

WISSLER'S SYNDROME

[A further case of Wissler's allergic subsepticemia in an adult] Ratzmann KP, et al. **Z Gesamte Inn Med** 30(14):477–82, 15 Jul 75 (Eng. Abstr.) **(Ger)**

[Characteristics of Wissler-Fanconi syndrome in adults] Pavlishchuk SA, et al. **Klin Med (Mosk)** 52(2):136–7, Feb 74 **(Rus)**

COMPLICATIONS

[Acute abdomen in the Wissler-Fanconi syndrome] Reddemann H, et al. **Kinderaerztl Prax** 43(12):529–36, Dec 75 **(Ger)**

DIAGNOSIS

[A case of Wissler-Fanconi syndrome in an adult] Kowal-Gierczak B, et al. **Wiad Lek** 29(4):333–7, 15 Feb 76 (Eng. Abstr.) **(Pol)**

[Wissler - Fanconi syndrome or Still's disease?] Prosińska-Kibler M, et al. **Wiad Lek** 29(1):35–9, 1 Jan 76 **(Pol)**

DRUG THERAPY

[Wissler-Fanconi syndrome in adults] Wysocka K, et al. **Wiad Lek** 29(3):243–7, 1 Feb 76 (Eng. Abstr.) **(Pol)**

WIT AND HUMOR

The great comedians: personality and other factors. Janus SS. **Am J Psychoanal** 35(2):169–74, Summer 75

Humor in psychotherapy: an interactive experience. Rosenheim E. **Am J Psychother** 28(4):584–91, Oct 74

Robin Hood is alive and well in Australia. Smiley CW. **Aust Paediatr J** 11(2):63–4, Jun 75

Successful treatment of a compulsive limerick composer by behavioural methods. Rankin HJ. **Behav Res Ther** 14(2):167, 1976

Poikilodokia simplex: a paramarmaladosis. Dunea G. **Br Med J** 1(6021):1331–2, 29 May 76

Comprehension and appreciation of humorous material following brain damage. Gardner H, et al. **Brain** 98(3):399–412, Sep 75

Gems from the years, or to err is human. Wishart FO. **Can Med Assoc J** 113(7):616–7, 4 Oct 75

The chicken soup controversy. **Chest** 68(4):604–6, Oct 75

Appreciation of risqué cartoon humor in male and female repressors and sensitizers. Burns WJ, et al. **J Clin Psychol** 32(2):315–21, Apr 76

Humor production as a function of sex of subject, creativity, and cartoon content. Brodzinsky DM, et al. **J Consult Clin Psychol** 44(4):597–600, Aug 76

Facilitating effects of humor on creativity. Ziv A. **J Educ Psychol** 68(3):318–22, Jun 76

Comparison of aggression and incongruity as factors in children's judgments of humor. Sinnott JD, et al. **J Genet Psychol** 128(2):241–9, Jun 76

Age differences in humor comprehension and appreciation in old age. Schaier AH, et al. **J Gerontol** 31(5):577–82, Sep 76

The indication of sexual and aggressive similarities through humor appreciation. Prerost FJ. **J Psychol** 91(Second Half):283–8, Nov 75

Letter: Immaterial to diagnosis. **JAMA** 235(10):1004, 8 Mar 76

Letter: Abbreviations. Harris L. **JAMA** 233(11):1166, 15 Sep 75

Editorial: X-rated words: reprise. Hussey HH. **JAMA** 235(15):1595, 12 Apr 76

Letter: Informed consent. Middleton EB. **JAMA** 233(10):1049, 8 Sep 75

Editorial: Diabolites. Vaisrub S. **JAMA** 235(14):1481, 5 Apr 76

Letter: Obsolescence before use—a modern parable. Weintraub M. **JAMA** 235(20):2189–90, 17 May 76

Sounding board. Crisis in oncology — acute vowel obstruction (with apologies to oncologists everywhere). McMillan R, et al. **N Engl J Med** 294(23):1288–9, 3 Jun 76

Humor response as related to violation of expectancies and to stimulus intensity in a weight-judgment task. Gerber WS, et al. **Percept Mot Skills** 41(2):673–4, Oct 75

The economy of comedy. Trachtenberg S. **Psychoanal Rev** 62(4):557–78, Winter 75–76

Reduction of aggression as a function of related content of humor. Prerost FJ. **Psychol Rep** 38(3 pt. 1):771–7, Jun 76

Creativity and sense of humor. Rouff LL. **Psychol Rep** 37(3 Pt 1):1022, Dec 75

My most unforgettable patient. Felson B. **Semin Roentgenol** 11(2):77–9, Apr 76

Dinner address. How to swim with sharks: the advanced course. Johns RJ. **Trans Assoc Am Physicians** 88:44–54, 1975

An animal's best friend. Boey M. **Vet Med Small Anim Clin** 71(4):510–1, Apr 76

[The insane in the joke about insanity] Peters UH. **Med Welt** 27(6):254–61, 6 Feb 76 **(Ger)**

WITHDRAWAL SYMPTOMS see **DRUG WITHDRAWAL SYMPTOMS**

WITTENBORN SCALE see under **PSYCHIATRIC STATUS RATING SCALES**

WOLFF-PARKINSON-WHITE SYNDROME

Intra-A-type variation of WPW syndrome. Heikkilä J, et al. **Br Heart J** 37(7):767–70, Jul 75

Histological findings, His bundle recordings and body-surface potential mappings in a case of Wolff-Parkinson-White syndrome. An anatomoclinical comparison. Rossi L, et al. **Cardiology** 60(5):265–79, 1975

Letter: Type A WPW echo. Stevenson JG. **Circulation** 54(1):161, Jul 76

Diagnosis and medical management of pre-excitation syndromes. pp. 93–7. Wellens HJ. **In: Gordon MS, ed. Self-assessment in clinical cardiology II. Chicago, Year Book Medical Publishers, 1976. W3 SE38.**

The syndrome known as WPW: a review. Sazama KJ. **J Am Med Wom Assoc** 31(2):56–71, Feb 76 (36 ref.)

Wolff-Parkinson-White syndrome and sports aptitude. S'Jongers JJ, et al. **J Sports Med Phys Fitness** 16(1):6–16, Mar 76

The Wolff-Parkinson-White syndrome and the preexcitation dysrhythmias. Medical and surgical management. Gallagher JJ, et al. **Med Clin North Am** 60(1):101–23, Jan 76 (49 ref.)

Evaluation and treatment of patients with the Wolff-Parkinson-White syndrome. Wallace AG, et al. **Trans Am Clin Climatol Assoc** 86:219–30, 1975

[Clinical picture and therapy of tachycardia including the WPW-syndrome] Schlepper M. **Verh Dtsch Ges Inn Med** 81:119–31, 1975 **(Ger)**

[Report of 2 unusual cases of arrhythmia in the Wolff Parkinson White syndrome] Villa JG, et al. **Rev Clin Esp** 141(3):271–6, 15 May 76 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Of simplyfying classification of WPW syndrome (left, right, and septal types of WPW syndrome). Burch GE. **Am Heart J** 90(6):807–8, Dec 75

COMPLICATIONS

Lidocaine in Wolff-Parkinson-White syndrome with atrial fibrillation. Josephson ME, et al. **Ann Intern Med** 84(1):44–5, Jan 76

Proceedings: Atrial fibrillation in the Wolff-Parkinson-White syndrome. Curry PV, et al. **Br Heart J** 37(7):779, Jul 75

Tachyarrhythmias in Wolff-Parkinson-White syndrome. Treatment and prevention. Tonkin AM, et al. **JAMA** 235(9):947–9, 1 Mar 76

[A case of rheumatism and the syndrome of ventricular pre-excitation (Wolff—Parkinson—White) syndrome] Apostolov L, et al. **Vutr Boles** 13(5):103–7, 1974 (Eng. Abstr.) **(Bul)**

[Paroxysmal tachycardia due to a latent Wolff-Parkinson-White syndrome] Slama R, et al. **Nouv Presse Med** 4(45):3167–72, 27 Dec 75 (Eng. Abstr.) **(Fre)**

[Arrhythmias in the Wolff-Parkinson-White syndrome (author's transl)] Lüderitz B, et al. **Munch Med Wochenschr** 118(12):377–82, 19 Mar 76 (Eng. Abstr.) **(Ger)**

[Re-entry tachycardias via various circuits in the WPW syndrome type A] Schlepper M, et al. **Verh Dtsch Ges Kreislaufforsch** 41:395–7, 1975 **(Ger)**

[Severe atrioventricular block in 2 cases with pre-excitation syndrome] Seipel L, et al. **Z Kardiol** 65(7):616–23, Jul 76 (Eng. Abstr.) **(Ger)**

[Stimulation with radiofrequency in the therapy of paroxysmal tachycardia crises in the Wolff-Parkinson-White syndrome] Fantini F, et al. **Boll Soc Ital Cardiol** 18(6):517–23, 1973 **(Ita)**

[Myocardial infarct associated with Wolff-Parkinson-White syndrome and left branch block] Pretolani E, et al. **Cardiol Prat** 26(1):75–9, Jan-Jun 75 (Eng. Abstr.) **(Ita)**

[Hyperthyroidism and the cardiovascular apparatus] Vallarino G. **Minerva Pediatr** 28(19):1259–60, 26 May 76 **(Ita)**

[A case of hyperthyroidism associated with WPW syndrome and periodic paralysis (author's transl)] Mashito T, et al.

Fukuoka Acta Med 67(2):60–4, Feb 76 (Eng. Abstr.) (Jpn)

[A case of Wolff-Parkinson-White (WPW) syndrome accompanied with atrioventricular conduction disturbance and sick sinus syndrome (author's transl)] Mochizuki S, et al. J Jpn Soc Intern Med 64(11):1264–9, 10 Nov 75 (Jpn)

[Proceedings: Acute myocardial infarct associated with Wolff-Parkinson-White syndrome—a case study] Ogigaya N, et al. Jpn Circ J 39(7):841, Jul 75 (Jpn)

[Cerebral circulation disturbances in a case of Wolff-Parkinson-White syndrome] Zych D, et al. Wiad Lek 29(3):199–203, 1 Feb 76 (Eng. Abstr.) (Pol)

[Report of 2 unusual cases of arrhythmia in the Wolff Parkinson White syndrome] Villa JG, et al. Rev Clin Esp 141(3):271–6, 15 May 76 (Eng. Abstr.) (Spa)

DIAGNOSIS

Clinical uses of His bundle electrocardiography. Part III. Akhtar M, et al. Am Heart J 91(6):805–9, Jun 76

Body surface isopotential mapping in Wolff-Parkinson-White syndrome: noninvasive method to determine the localization of the accessory atrioventricular pathway. Yamada K, et al. Am Heart J 90(6):721–34, Dec 75

The Wolff-Parkinson-White syndrome: the value of the HIS bundle electrogram, Haft JI, et al. Cathet Cardiovasc Diagn 2(2):113–24, 1976

Wolff-Parkinson-White syndrome. A review of forty-two cases. Ray D, et al. Indian Heart J 27(1):13–8, Jan 75

Abnormal Q waves in Wolff-Parkinson-White syndrome. Incidence and clinical significance. Ruskin JN, et al. JAMA 235(25):2727–30, 21 Jun 76

Echocardiographic studies in patients with preexcitation syndrome. Taegtmeyer H, et al. Verh Dtsch Ges Inn Med 81:196–9, 1975

[Vectorcardiogram of the Wolff-Parkinson-White syndrome. Changes induced by ajmaline. Association with bundle branch block] Warembourg H, et al. Ann Cardiol Angeiol (Paris) 24(4):315–20, Jul-Sep 75 (Eng. Abstr.) (Fre)

[Type A Wolff-Parkinson-White syndrome associated with left bundle-branch block. Electrocardiographic, vectorcardiographic, and endocavitary electrophysiological study] Baudouy M, et al. Arch Mal Coeur 69(5):523–32, May 76 (Eng. Abstr.) (Fre)

[Letter: Ajmaline test in the WPW syndrome] Kaltenbach M. Dtsch Med Wochenschr 100(49):2553, 5 Dec 75 (Ger)

[Kent's rhythm] Zuckermann R, et al. Z Kardiol 64(2):1140–2, Dec 75 (Eng. Abstr.) (Ger)

[Proceedings: Frank's vectorcardiography of Wolff-Parkinson-White syndrome without complications] Koike T, et al. Jpn Circ J 39(7):882–3, Jul 75 (Jpn)

[Diagnosis and clinical manifestations of Wolff-Parkinson-White syndrome] Stasiński T, et al. Pol Tyg Lek 31(19):815–8, 10 May 76 (Pol)

[Exclusive conduction in the Kent b bundle found by the electrogram of the bundle of His] Almeida JA, et al. Arq Bras Cardiol 29(2):133–5, Apr 76 (Eng. Abstr.) (Por)

[Intermittent WPW syndrome and WPW syndrome with varying ventricular ECG complex] Romanov MM, et al. Sov Med (1):90–4, Jan 76 (Eng. Abstr.) (Rus)

[Electrocardiographic imitation of myocardial infarct in acquired Wolff-Parkinson-White syndrome] Trifunović S, et al. Med Pregl 28(5–6):223–6, 1975 (Ser)

[Wolff-Parkinson-White syndrome in children. Report of 2 cases] Ružičić R. Srp Arh Celok Lek 103(10):899–903, Oct 75 (Ser)

[Electrocardiogram of the bunddle of His in The Wolff-Parkinson-White and Lown-Ganon-Leveine syndromes] Sobrino JA, et al. Rev Esp Cardiol 28(6):487–94, 1975 (Eng. Abstr.) (Spa)

DRUG THERAPY

The Wolff-Parkinson-White syndrome: pharmacologic effects of procaine amide. Mandel WJ, et al. Am Heart J 90(6):744–54, Dec 75

Effect of amiodarone in the Wolff-Parkinson-White syndrome. Wellens HJ, et al. Am J Cardiol 38(2):189–94, Aug 76

Lidocaine in Wolff-Parkinson-White syndrome with atrial fibrillation. Josephson ME, et al. Ann Intern Med 84(1):44–5, Jan 76

Effects of disopyramide on electrophysiological properties of specialized conduction system in man and on accessory atrioventricular pathway in Wolff-Parkinson-White syndrome. Spurrell RA, et al. Br Heart J 37(8):861–7, Aug 75

[Influence of propafenon on hemodynamics of the left ventricle and atrioventricular conduction with special reference to the WPW syndrome] Probst P, et al. Z Kardiol 65(3):213–24, Mar 76 (Ge.)

[Antazoline and auricular fibrillation in the Wolff-Parkinson-White syndrome] Montoyo JV, et al. Rev Esp Cardiol 29(1):55–64, Jan-Feb 76 (Eng. Abstr.) (Spa)

ETIOLOGY

Mahaim and James fibers as a basis for a unique variety of ventricular preexcitation. Lev M, et al. Am J Cardiol 36(7):880–8, Dec 75

A reconsideration of pathogenic mechanisms in the Wolff-Parkinson-White syndrome: report of eleven cases. Talaat A, et al. J Egypt Med Assoc 58(5–6):302–12, 1975

[Intermittent ventricular pre-excitation during acute myocardial infarct] Grazi S, et al. Cardiol Prat 25(4):313–8, Oct-Dec 74 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

[Case of Wolff-Parkinson-White syndrome in sportsmen twins] Belotserkovskiĭ ZB. Klin Med (Mosk) 53(7):120–2, Jul 75 (Rus)

[Familial occurrence of Wolff-Parkinson-White syndrome. Report of a family group and review of the literature] Mispireta JL, et al. Arch Inst Cardiol Mex 45(4):423–34, Jul-Aug 75 (Eng. Abstr.) (Spa)

[Pre-excitation syndrome in monozygotic twins] Mispireta JL, et al. Arch Inst Cardiol Mex 46(1):3–11, Jan-Feb 76 (Eng. Abstr.) (Spa)

PATHOLOGY

[Pulmonary atresia associated to Ebstein's anomaly. Necropsy and clinical study of 12 cases] Pérez-Reviño C, et al. Rev Esp Cardiol 29(2):117–26, Mar-Apr 76 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Anomalous atrio-ventricular connections and their features. Homola D, et al. Adv Cardiol 16:540–4, 1976

Electrophysiologic demonstration of bilateral anomalous pathways in a patient with Wolff-Parkinson-White syndrome (type B preexcitation). Denes P, et al. Am J Cardiol 37(1):93–101, Jan 76

Sinus bradycardia and atrial fibrillation associated with the Wolff-Parkinson-White syndrome. Dreifus LS, et al. Am J Cardiol 38(2):149–56, Aug 76

Wolff-Parkinson-White syndrome with 1:2 atrioventricular conduction. Josephson ME, et al. Am J Cardiol 37(7):1094–6, Jun 76

Interventricular septal motion during preexcitation and normal conduction in Wolff-Parkinson-White syndrome: echocardiographic and electrophysiologic correlation. Ticzon AR, et al. Am J Cardiol 37(6):840–7, May 76

Heterodromia in accessory A-V connections. Neuss H, et al. Basic Res Cardiol 70(4):364–76, Jul-Aug 75

Effects of pacing site on QRS morphology in Wolff-Parkinson-White syndrome, with special reference to 'pseudo-tachycardia-dependent block in accessory pathway and 'atrial gap'. Castellanos A, et al. Br Heart J 38(4):363–8, Apr 76

Spontaneous variations in atrioventricular conduction in pre-excitation. Parameswaran R, et al. Br Heart J 38(4):427–30, Apr 76

Atrioventricular nodal reentry in the Wolff-Parkinson-White syndrome. Mandel WJ, et al. Chest 68(3):321–5, Sep 75

Echocardiography in Wolff-Parkinson-White syndrome. Chandra MS, et al. Circulation 53(6):943–6, Jun 76

Body-surface maps of heart potentials: tentative localization of pre-excited areas in forty-two Wolff-Parkinson-White patients. De Ambroggi L, et al. Circulation 54(2):251–63, Aug 76

Alterations in ventricular contraction pattern in the Wolff-Parkinson-White syndrome. Detection by echocardiography. DeMaria AN, et al. Circulation 53(2):249–57, Feb 76

An echocardiographic study of interventricular septal motion in the Wolff-Parkinson-White syndrome. Francis GS, et al. Circulation 54(2):174–8, Aug 76

Mechanism of reciprocating tachycardia initiated during sinus rhythm in concealed Wolff-Parkinson-White syndrome: report of a case. Sung RJ, et al. Circulation 54(2):338–44, Aug 76

Electrophysiological evaluation of the Wolff-Parkinson-White syndrome: problems in assessing antegrade and retrograde conduction over the accessory pathway. Svenson RH, et al. Circulation 52(4):552–62, Oct 75

Refractory periods of the accessory pathway in the Wolff-Parkinson-White syndrome. Tonkin AM, et al. Circulation 52(4):563–9, Oct 75

Initial forces of ventricular depolarization in the Wolff-Parkinson-White Syndrome. Analysis based upon localization of the accessory pathway by epicardial mapping. Tonkin AM, et al. Circulation 52(6):1030–6, Dec 75

The occurrence of phase-4 block in the anomalous bundle of patients with Wolff-Parkinson-White syndrome. Przybylski J, et al. Eur J Cardiol 3(4):267–80, Dec 75

[Electrophysiological study of 2 cases of ventricular pre-excitation compatible with the presence of Mahaim's fibers] Touboul P, et al. Arch Mal Coeur 68(8):841–51, Aug 75 (Eng. Abstr.) (Fre)

[Supraventricular re-entry-tachycardias in the classical WPW syndrome. Findings of bundle-of-His electrography] Neuss H, et al. Med Klin 71(10):391–400, 5 Mar 76 (21 ref.) (Ger)

[Multiple configuration of the cardiac electromaps in the syndrome of ventricular pre-excitation] De Ambroggi L, et al. Boll Soc Ital Cardiol 17(12):1264–71, 1972 (Eng. Abstr.) (Ita)

[Electric stimulation and recording of intracavitary potentials used in the identification and localization of abnormalities in the Wolff-Parkinson-White syndrome] Salerno JA, et al. Boll Soc Ital Cardiol 18(11):1154–77, 1973 (Ita)

[Proceedings: Tachycardia in Wolff-Parkinson-White syndrome (electrographic observation on the bundle of His)] Ichise S, et al. Jpn Circ J 39(7):861, Jul 75 (Jpn)

[Proceedings: Effects of vagus nerve stimulation in Wolff-Parkinson-White syndrome] Koike T, et al. Jpn Circ J 39(7):881, Jul 75 (Jpn)

[Proceedings: Clinical application of His bundle electrogram recording—Wolff-Parkinson-White syndrome] Watabe H, et al. Jpn Circ J 39(7):882, Jul 75 (Jpn)

[His bundle electrogram in a patient with Ebstein's anomaly complicated with W-P-W syndrome (type B)—mechanism of W-P-W (type B) (author's transl)] Murayama K, et al. Respir Circ (Tokyo) 24(1):63–9, Jan 76 (Eng. Abstr.) (Jpn)

SURGERY

[Letter: Successful surgical treatment of type A Wolff-Parkinson-White syndrome] Slama R, et al. Nouv Presse Med 4(35):2530, 18 Oct 75 (Fre)

[Surgical treatment of Wolff-Parkinson-White (WPW) syndrome associated with mitral stenosis] Tarao M, et al. J Jpn Assoc Thorac Surg 23(11):1366–72, Nov 75 (Eng. Abstr.) (Jpn)

THERAPY

Medical and surgical treatment of the Wolff-Parkinson-White syndrome. Durrer D. Annu Rev Med 27 63–8, 1976

Recurrent reciprocating tachycardias in the Wolff-Parkinson-White syndrome; control by the use of a scanning pacemaker. Mandel WJ, et al. Chest 69(6):769–74, Jun 76

Letter: Pacing the WPW patient. Goldstein S. Circulation 53(1):204–5, Jan 76

[Therapeutic problems of patients with Wolff-Parkinson-White syndrome] Stasiński T, et al. Pol Tyg Lek 31(20):863–5, 17 May 76 (Pol)

WOLFFIAN BODY see **MESONEPHROS**

WOLFFIAN DUCT

Female adnexal tumor of probable Wolffian origin: evidence of a low grade malignancy. Taxy JB, et al. Cancer 37(5):2349–54, May 76

DRUG EFFECTS

[Period of sensitivity to androgens of the Wolff duct of the rat fetus] Stinnakre MG. Arch Anat Microsc Morphol Exp 64(1):45–59, Jan-Mar 75 (Eng. Abstr.) (Fre)

METABOLISM

Testosterone-binding protein in reproductive tracts of fetal rats. Gupta C, et al. Endocrinology 99(2):389–9, Aug 76

Proceedings: The glycerylphosphorylcholine and phospholipid pattern of the genital duct and spermatozoa of the African elephant, Loxodonta africana. Darin-Bennet A, et al. J Reprod Fertil 46(2):505–7, Mar 76

PHYSIOPATHOLOGY

Caudal regression syndrome: the urologic implications. Rubenstein MA, et al. J Urol 114(6):934–7, Dec 75

WOLFRAM see **TUNGSTEN**

WOMEN

Retraining of inactive medical technologists – Whose responsibility? Roberts CA. Am J Med Technol 42(4):115–23, Apr 76

Nurses in American history: nursing and early feminism. Ashley JA. Am J Nurs 75(9):1465–7, Sep 75

A married feminist. McBride AB. Am J Nurs 76(5):754–7, May 76

Struggling out of the feminine pluperfect. Rodgers JA. Am J Nurs 75(10):1654–9, 1666, Oct 75

The obstetric death of Mary Wollstonecraft. Kaiser IH. Am J Obstet Gynecol (1):1–2, 1 May 76

Female and married: damaging to the therapy profession? Mathewson M. Am J Occup Ther 29(10):601–5, Nov-Dec 75

On being a member of a 'feminine' profession. Yerxa EJ. Am J Occup Ther 29(10):597–8, Nov-Dec 75

Cultural perspectives on the impact of women's changing roles on psychiatry. Abernethy V. Am J Psychiatry 133(6):657–61, Jun 76

Editorial practices of psychiatric and related journals: implications for women. Benedek EP. Am J Psychiatry 133(1):89–92, Jan 76

Pseudohomosexuality in feminist students. Defries Z. Am J Psychiatry 133(4):400–4, Apr 76

Overview: research on the psychology of women. I. Gender differences and sexual and reproductive life. Seiden AM. Am J Psychiatry 133(9):995–1007, Sep 76 (132 ref.)

Feminism and women analysts. Prado M. Am J Psychoanal 36(1):79–84, Spring 76

Women in family planning. Bradshaw BR. **Am J Public Health** 65(11):1239–42, Nov 75
Bisexuality in women. Blumstein PW, et al. **Arch Sex Behav** 5(2):171–81, Mar 76
Professional leadership: women in speech pathology and audiology. Melrose BM. **ASHA** 17(9):573–8, Sep 75
Women and the doctor–patient relationship. Hausfeld F. **Aust Fam Physician** 5(4):534–43, May 76
Women in dentistry. **Br Dent J** 139(4):153–6, 19 Aug 75
Female offenders. Gibbens TC. **Br J Psychiatry** Spec No 9:326–33, 1975 (43 ref.)
Editorial: Feminists and sexual identity. **Br Med J** 2(6032):386, 14 Aug 76
The status of women in the admninstration of health science libraries. Goldstein RK, et al. **Bull Med Libr Assoc** 63(4):386–95, Oct 75
Some observations on 'sisterhood' in the feminist movement. Renik O. **Bull Menninger Clin** 39(4):345–56, Jul 75
Psychosexual problems in obstetrics and gynecology: foreword. Daly MJ. **Clin Obstet Gynecol** 19(2):353–5, Jun 76
The importance of the special education of women in building a healthy community. Maxwell ZD. **Community Health (Bristol)** 7(1):8–12, Jul–Aug 75
Girls, ladies, or women? The unconscious dynamics of language choice. Lerner HE. **Compr Psychiatry** 17(2):295–9, Mar–Apr 76
Maurice Levine Essay Award Paper–1973. The psychoanalytic concept of feminine passivity: a comparative study of psychoanalytic and feminist views. Manalis SA. **Compr Psychiatry** 17(1):241–7, Jan–Feb 76
Convenience of work and the job constraint of children. Darian JC. **Demography** 12(2):245–58, May 75
The continuation of education after marriage among women in the United States: 1970. Davis NJ, et al. **Demography** 13(2):161–74, May 76
Labor force participation and family formation: a study of working mothers. Groat HT, et al. **Demography** 13(1):115–25, Feb 76
The influence of women's work opportunities on marriage rates. Preston SH, et al. **Demography** 12(2):209–22, May 75
Female work experience, employment status, and birth expectations: sequential decision–making in the Philippines. Rosenzweig MR. **Demography** 13(3):339–56, Aug 76
Women, sex and patriarchy. Fortier L. **Fam Plann Perspect** 7(6):278–81, Nov–Dec 75
Women at Mexico: beyond family planning acceptors. Germain A. **Fam Plann Perspect** 7(5):235–8, Sep–Oct 75
The victim is guilty. Hare D. **Fed Proc** 35(11):2223–5, Sep 76
Women and discrimination in academe. Sandler B. **Fed Proc** 35(11):2232–7, Sep 76
Adventures of a woman in science. Weisstein N. **Fed Proc** 35(11):2226–31, Sep 76
The socialization process of women: implications for a theory of successful aging. Kline C. **Gerontologist** 15(6):486–92, Dec 75
The writer as an old woman. Sohngen M. **Gerontologist** 15(6):493–8, Dec 75
Feminism, attitudes, and nursing careers. Stevens WF. **Heart Lung** 5(4):543–4, 547, Jul–Aug 76
Future religious women—hope in action. Waters M. **Hosp Prog** 57(6):62–3, 70, Jun 76
Women in sports. pp. 32–4. Fasteau BF. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
Strength, endurance, and body composition of the female athlete. pp. 34–9. Wilmore JH. **In: Craig TT, ed. The medical aspects of sports: 15. Chicago, American Medical Assoc, 1974. QT 260 N28m 1973.**
Women workers in the health service industry. Brown CA. **Int J Health Serv** 5(2):173–84, 1975
Barriers to the nurse practitioner movement: problems of women in a woman's field. Bullough B. **Int J Health Serv** 5(2):225–33, 1975
Women and health care: a comparison of theories. Fee E. **Int J Health Serv** 5(3):397–415, 1975
The women's health movement. Marieskind H. **Int J Health Serv** 5(2):217–23, 1975
Women's emancipation and socialsm: the case of the People's Republic of Poland. Sokolowska M. **Int J Health Serv** 6(1):35–51, 1976
Introduction to the theme: women and health. Ziem G. **Int J Health Serv** 5(2):167–71, 1975
Related issues in childbearing and work: two clinical studies of professional women. Balsam RM. **Int J Psychoanal Psychother** 5:333–48, 1976
Editorial: Title IX and the female athlete. Hirata I Jr. **J Am Coll Health Assoc** 24(2):61–2, Dec 75
Do student health services discriminate against women: a survey of services in the U.S. medical schools. Howell MC, et al. **J Am Coll Health Assoc** 23(5):359–63, Jun 75
WAADA in 1976—continuing efforts in dental health education. **J Am Dent Assoc** 93(3):534–7, Sep 76
Comments on the division of labor in occupations concerned with food. Mead M. **J Am Diet Assoc** 68(4):321–5, Apr 76
Relationships between obesity and associated health factors with unemployment among low income women. Roe DA, et al. **J Am Med Wom Assoc** 31(5):193–4, 198–9, 203–4, May 76
Expectations of female pharmacy students. Kirk KW, et al. **J Am Pharm Assoc** 15(11):622–3, 651, Nov 75
Role conflict and symptoms of psychological distress in college–educated women. Powell B, et al. **J Consult Clin Psychol** 44(3):473–9, Jun 76
Arousal of the power motive in women. Stewart AJ, et al. **J Consult Clin Psychol** 44(3):495–6, Jun 76
Psychosomatic symptoms and women's protest: two types of reaction to structural strain in the family. Levy R. **J Health Soc Behav** 17(2):121–33, Jun 76
Women and society. Mukerjee AB. **J Indian Med Assoc** 64(11):285–8, 1 Jun 75
Datagram. Women enrollment and its minority component in U.S. medical schools. Dubé WF. **J Med Educ** 51(8):691–3, AUG 76
A gynecocentric view of personality development. Friedman M. **J Med Soc NJ** 73(4):320–3, Apr 76
Female responsiveness to erotic films and the 'ideal' erotic film from a feminine perspective. Steele DG, et al. **J Nerv Ment Dis** 162(4):266–73, Apr 76
Women in the work environment. Watkeys JD. **J Occup Med** 17(5):308–12, May 75
Women's lib and psychotherapy. Hutchinson SA. **J Psychiatr Nurs** 13(6):20–2, Nov–Dec 75
You known who and what's her name: the woman's role in sex therapy. Golden JS, et al. **J Sex Marital Ther** 2(1):6–16, Spring 76
Women in sports: some misconceptions. Harris DV. **J Sports Med** 1(3):15–7, Mar–Apr 73
The New York State Experiment. Ley K. **J Sports Med** 1(3):42–4, Mar–Apr 73
Women's liberation and breast–feeding. Helsing E. **J Trop Pediatr** 21(5):290–2, Oct 75
Women and national health insurance: issues and solutions. Lewis DA. **Med Care** 14(7):549–58, Jul 76
Health services for women. Isbister C. **Med J Aust** 1(4):94–5, 24 Jan 76
Alice Hamilton, M.D., and women's welfare. Corn JK. **N Engl J Med** 294(6):316–8, 5 Feb 76
Letter: Male dominance in medicine. Penn SF. **N Engl J Med** 294(8):448–9, 19 Feb 76
Perils and parallels of women and nursing. Brand KL, et al. **Nurs Forum** 14(2):160–74, 1975
Editorial: On being a woman. Fonseca JD. **Nurs Outlook** 24(4):227, Apr 76
Women dental students. Van Stewart A, et al. **NY J Dent** 45(8):267–9, Oct 75
Sexism in the doctor's office. Bronstein BB. **Obstet Gynecol** 47(4):495, Apr 76
Women and nurses: Evolving roles. Yeaworth RC. **Occup Health Nurs (NY)** 24(08):7–9, Aug 76
Comparison of women's studies students with female golf star athletes on the 16 PF. Joesting J, et al. **Percept Mot Skills** 42(2):477–8, Apr 76
The smoking habits of women doctors and doctors' wives in New Zealand. Hay DR, et al. **Prev Med** 5(1):78–88, Mar 76
Postwar writing and the literature of the women's liberation movement. Haymes HJ. **Psychiatry** 38(4):328–33, Nov 75
Attitudes toward women, sex–role–stereotyping and locus of control. Minnigerode FA. **Psychol Rep** 38(3 Pt 2):1301–2, Jun 76
Psycho–social study of outstanding female athletes. Balazs EK. **Res Q Am Assoc Health Phys Educ** 46(3):267–73, Oct 75
Women and doctors. Van Biljon M. **S Afr Med J** 50(24):911–2, 5 Jun 76
Media images and medical images. Darroch DB. **Soc Sci Med** 9(11–12):613–8, Nov–Dec 75
Married women in the Canadian labor force. **Stat Bull Metropol Life Ins Co** 56:8–10, Dec 75
Status and roles of women as factors in fertility behavior: a policy analysis. Germain A. **Stud Fam Plann** 6(7):192–200, Jul 75
The vulnerability of young Japanese women and suicide. Iga M, et al. **Suicide** 5(4):207–22, Winter 75
[The woman of today from a psycho–gynecologic perspective] de Senarclens M. **Schweiz Arch Neurol Neurochir Psychiatr** 117(1):35–43, 1975 (Eng. Abstr.) **(Fre)**
[Outline of a sociological approach to the psychopathology of women] Fischer W. **Schweiz Arch Neurol Neurochir Psychiatr** 117(1):9–24, 1975 (Eng. Abstr.) **(Fre)**
[Hygiene of living and study conditions of studying women with children] Muschter W, et al. **Aerztl Jugendkd** 66(3):282–4, Sep 75 **(Ger)**
[Empirism, emancipation and sex research] Amendt G. **Beitr Sexualforsch** 49:10–22, 1970 **(Ger)**
[Social security of women (author's transl)] Griesinger A. **Oeff Gesundheitswes** 38(3):145–50, Mar 76 (Eng. Abstr.) **(Ger)**
[Recreation need and recreational behavior in women] Rödling M. **Oeff Gesundheitswes** 38(3):151–4, Mar 76 **(Ger)**
[The situation of woman today—a psychoanalytic viewpoint] Condrau G. **Schweiz Arch Neurol Neurochir Psychiatr** 117(1):25–34, 1975 (Eng. Abstr.) **(Ger)**
[Gestation phases and criminality in the woman] Trube–Becker E. **Ther Ggw** 114(5):707–21, May 75 **(Ger)**
[Change of religious habits of Italian women following immigration (author's transl)] Girotti M. **Ther Umsch** 32(9):582–5, Sep 75 (Eng. Abstr.) **(Ger)**
[The effect of radiation exposure on the health of the working woman] Correns HJ, et al. **Z Gesamte Hyg** 21(11):813–4, 1975 **(Ger)**
[The effect of various noxious chemicals on the health and efficiency of the working woman] Grunewald A, et al. **Z Gesamte Hyg** 21(11):821–4, 1975 (Eng. Abstr.) **(Ger)**
[Problems with the layout of working places with reference to the anthropometric and physiological conditions of women] Müller K. **Z Gesamte Hyg** 21(11):814–8, 1975 (Eng. Abstr.) **(Ger)**
[Occupational health and sociological prerequisites for the health of the working women] Renker U. **Z Gesamte Hyg** 21(11):810–3, 1975 (Eng. Abstr.) **(Ger)**
[Women's status in the socialist society of the DDR] Speigner W. **Z Gesamte Hyg** 21(11):802–9, 1975 (Eng. Abstr.) **(Ger)**
[Changing legal protection of working women] Reinmöller–Schreck T. **Zentralbl Arbeitsmed** 25(10):289–92, Oct 75 **(Ger)**
[Editorial: Women in industry] Natvig H. **Tidsskr Nor Laegeforen** 96(6):383, 28 Feb 76 **(Nor)**
[Need for special protection for women in industry] Wergeland E. **Tidsskr Nor Laegeforen** 96(6):337–41, 28 Feb 76 (Eng. Abstr.) **(Nor)**
[Absenteeism due to disease in women] Pupo Nogueira D, et al. **Rev Saude Publica** 9(3):393–9, Sep 75 (Eng. Abstr.) **(Por)**
[International Women's Year] Krotkov FG. **Gig Sanit** (9):3–7, Sep 75 **(Rus)**
[International women's year] Petrov BD. **Gig Sanit** (11):3–5, Nov 75 **(Rus)**
[Scientific and technical progress and working women in socialism] Artem'ev VN, et al. **Gig Tr Prof Zabol** (12):1–5, Dec 75 **(Rus)**
[Physiological substantiation of health measures and evaluation of their effectiveness for female workers of sedentary occupations] Tarasenko NIu, et al. **Gig Tr Prof Zabol** (12):10–3, Dec 75 (Eng. Abstr.) **(Rus)**
[Urgent problems concerned with the occupational hygiene of women] Volkova ZA. **Gig Tr Prof Zabol** (12):6–10, Dec 75 (Eng. Abstr.) **(Rus)**
[1975—the Woman's International Year] Novikova ECh. **Pediatriia** (12):3–8, Dec 75 **(Rus)**
[Social survey of women's health in the USSR in the 20's and 30's] Vengrova IV, et al. **Sov Zdravookhr** (10):68–72, 1975 **(Rus)**
[International Women's Year] Zakharova NS. **Sov Zdravookhr** (10):3–7, 1975 **(Rus)**
[Establishment and development of the organization of medical care for female military personnel in World War II] Drachko VF. **Voen Med Zh** (3):91–?, Mar 76 **(Rus)**
[Occupation and miscarriage] Helbing W. **Z Gesamte Hyg** 21(11):819–21, 1975 (Eng. Abstr.) **(Rus)**
[Social–medicine aspects of gynecological care in Yugoslavia] Ferenčević S. **Nar Zdrav** 30(11–12):265–8, Nov–Dec 74 **(Ser)**
[The employed woman — from the view point of national defense] Macek O. **Nar Zdrav** 31(3–4):101–6, Mar–Apr 75 **(Ser)**
[Health conditions of women in Latin America and the Caribbean] Khanna S. **Bol Of Sanit Panam** 78(6):555–9, Jun 75 **(Spa)**
[1st women's pharmacy in Russia (A. B. Lesnevskaia)] Krylov LS, et al. **Farm Zh** 31(3):91–4, May–Jun 76 **(Ukr)**

WOMEN PHYSICIANS see **PHYSICIANS, WOMEN**

WOMEN'S LIBERATION see **HUMAN RIGHTS**

WOOD

Microbial utilization of Pinus radiata bark. Updegraff DM, et al. **Appl Microbiol** 30(5):722–6, Nov 75
The influence of cage bedding on the metabolism of sulphobromophthalein sodium by an hepatic cytosol–located enzyme system. Whelan G. **Aust J Biol Sci** 28(1):25–9, Feb 75
Toxic woods. Woods B, et al. **Br J Dermatol** 94(13 Suppl):1–97, Jun 76
A simple method of isolation and purification of cultures of wood–rotting fungi. Ginterová A, et al. **Folia Microbiol (Praha)** 20(6):519–20, 1975
Wood dust hypersensitivity. Booth BH, et al. **J Allergy Clin Immunol** 57(4):352–7, Apr 76
Klebsiella densities in waters receiving wood pulp effluents. Huntley BE, et al. **J Water Pollut Control Fed** 48(7):1766–71, Jul 76
Vegetable aggression: Dermatological risks of gardening and woodwork. Woods B. **Practitioner** 215(1286):159–64, Aug 75
Use of chlorophenols as fungicides in sawmills. Levin JO, et al. **Scand J Work Environ Health** 2(2):71–81, JUN 76
Exposure to an environment containing the aromatic red cedar, Juniperus virginiana: procarcinogenic, enzyme–inducing and insecticidal effects. Sabine JR. **Toxicology** 5(2):221–35, Nov 75
[Evaluation of adverse effects of the wood–impregnation substance Pentor 70] Herzig I, et al. **Vet Med (Praha)** 20(5):269–76, May 75 (Eng. Abstr.) **(Cze)**
[Airway function and symptoms in wood workers] Solgaard J, et al. **Ugeskr Laeger** 137(44):2593–9, 27 Oct 75 (Eng. Abstr.) **(Dan)**

[Occupational skin diseases due to tropical woods in Belgium] Oleffe J, et al. **Arch Belg Dermatol** 30(2):75–82, Apr–Jun 74 (Eng. Abstr.) **(Fre)**

[Adenocarcinoma of the paranasal sinuses in woodworkers, an occupational disease? (author's transl)] Gülzow J. **Laryngol Rhinol Otol (Stuttg)** 54(4):304–10, Apr 75 (Eng. Abstr.) **(Ger)**

[The determination of formaldehyde concentrations at the work site during the production of chip boards] Flick K. **Zentralbl Arbeitsmed** 25(9):257–63, Sep 75 (Eng. Abstr.) **(Ger)**

['Mansonia altissima' disease (study of 30 cases)] Nava C, et al. **Med Lav** 66(6):574–6, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Studies on the utilization of xylan and glucomannan in woods. I. Purification and separation (author's transl)] Hashimoto T, et al. **J Pharm Soc Jpn** 95(10):1239–44, Oct 75 (Eng. Abstr.) **(Jpn)**

[Determination of the makeup of the gaseous discharges from the processes of wood resin working] Kirillova NN, et al. **Gig Sanit** (3):69–71, Mar 76 **(Rus)**

[Economic evaluation of the effectiveness of improving working conditions in the lumbering industry] Mishin IuT, et al. **Gig Sanit** (6):80–91, Jun 76 **(Rus)**

[State of some physiological functions in workers using new lumbering equipment during the winter period in the north] Vakhrushev VI. **Gig Tr Prof Zabol** (7):45–6, Jul 76 **(Rus)**

[Differences in the mechanisms of low–temperature and high–temperature processes in the formation of 3,4–benzopyrene during wood pyrolysis] Dikun PP, et al. **Vopr Onkol** 21(6):101–6, 1975 (Eng. Abstr.) **(Rus)**

WOOL

Keratin and its formation. De Bersaques J. **Curr Probl Dermatol** 6:34–86, 1976 (267 ref.)

Interparticle interaction in protein fibre–wool by small angle x–ray scattering technique. Panda BC. **Indian J Biochem Biophys** 11(4):324–6, Dec 74

A Dacron wool packed–bed extracorporeal reactor: a kinetic study of immobilized Escherichia coli II L–asparaginase. KO RY, et al. **J Biomed Mater Res** 10(2):249–58, Mar 76

The work of two Scottish medical graduates in the control of woolsorters' disease. Cunningham W. **Med Hist** 20(2):169–73, Apr 76

Wool structure and biosynthesis. Fraser RD, et al. **Nature** 261(5562):650–4, 24 Jun 76

The prevalence of fleece derangement in some Australian and New Zealand flocks infested with the sheep itch mite, Psorergates ovis. Sinclair AN. **NZ Vet J** 23(4):57–8, Apr 75

[Relations between the physico–chemical properties, the chemical reactivity and the local anesthetic activity. 32. (Part 1): Binding capacity of a structural protein (wool) to local anesthetics] Merki F, et al. **Arzneim Forsch** 25(7):997–1004, Jul 75 (Eng. Abstr.) **(Ger)**

[Relationship between the physico–chemical properties, the chemical reactivity and the local anesthetic effect. 32. 2: The binding capacity of structural protein (wool) for local anesthetics] Merki F, et al. **Arzneim Forsch** 25(8):1233–40, Aug 75 **(Ger)**

[Methods of sampling and analysis of particulate oil aerosols in weawing rooms of the wool industry] Rimatori A, et al. **Ann Ist Super Sanita** 9 Spec No 1:544–51, 1973 (Eng. Abstr.) **(Ita)**

[Study of the surface–active, colloid–micellar and solubilizing properties of a series of hydroxyethylated alcohols of wool wax] Bashura GS, et al. **Farmatsiia** 25(1):24–8, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Disinfection of wool in field conditions] Shushaev BKh, et al. **Veterinariia** (6):47–9, Jun 75 **(Rus)**

ANALYSIS

The chemical composition of wool. XV. The cell membrane couplex. Peters DE, et al. **Aust J Biol Sci** 29(1–2):43–55, Mar 76

Study by PMR spectroscopy and gel chromatography of the unfolding of substituted kerateines in 8 M urea. Bradbury JH, et al. **Int J Pept Protein Res** 7(3):191–202, 1975

[Studies on the wool of one–day–old Karakul lambs. Results of a 10–year research] Schäfer H. **Dtsch Tieraerztl Wochenschr** 82(9):364–7, 5 Sep 75 (Eng. Abstr.) **(Ger)**

[Mucopolysaccharide content in the wool of sheep of different breeds] Shvets SF, et al. **Ukr Biokhim Zh** 48(3):307–9, Apr–Jun 76 (Eng. Abstr.) **(Ukr)**

DRUG EFFECTS

Effects of mimosine, a potential chemical defleecing agent, on wool growth and the skin of sheep. Reis PJ, et al. **Aust J Biol Sci** 28(1):69–84, Feb 75

Fate of mimosine administered orally to sheep and its effectiveness as a defleecing agent. Reis PJ, et al. **Aust J Biol Sci** 28(5–6):495–501, Dec 75

ENZYMOLOGY

Acid phosphatase distribution in the wool follicle. II. Henle's layer and outer root sheath. Orwin DF. **J Ultrastruct Res** 55(3):325–34, Jun 76

Acid phosphatase distribution in the wool follicle. I. Cortex and fiber cuticle. Orwin DF. **J Ultrastruct Res** 55(3):312–24, Jun 76

GROWTH & DEVELOPMENT

Wool growth rate in relation to plasma catecholamine and serum total thyroxine concentrations in growing lambs. Reklewska B. **Acta Physiol Pol** 26(5):461–70, Sep–Oct 75

Effects of intravenous infusion of mimosine on wool growth of Merino sheep. Reis PJ. **Aust J Biol Sci** 28(5–6):483–93, Dec 75

Correspondence: Effect of liver fluke on wool production in Welsh mountain sheep. Edwards CM, et al. **Vet Rec** 98(18):372, 1 May 76

METABOLISM

Studies on the inhibition of synthesis of the tyrosine–rich proteins of wool. Frenkel MJ, et al. **Aust J Biol Sci** 28(4):331–8, Aug 75

ULTRASTRUCTURE

Changes in the structure of wool fibers with particular reference to the first year of life. Soroczyńska M. **Ann Med Sect Pol Acad Sci** 20(2):123–4, 1975

Acid phosphatase distribution in the wool follicle. III. Fate of organelles in keratinized cells. Orwin DF. **J Ultrastruct Res** 55(3):335–42, Jun 76

WORD ASSOCIATION TESTS

A multidimensional scaling analysis of schizophrenics' and normals' perceptions of verbal similarity. Neufeld RW. **J Abnorm Psychol** 84(5):498–507, Oct 75

Studying creativity by means of word association test. Gough HG. **J Appl Psychol** 61(3):348–53, Jun 76

Sexual responsivity and ego defenses. Schill T, et al. **J Clin Psychol** 32(1):79–80, Jan 76

[Different responses in word association tests in normotensive and hypertensive subjects] Kriegel E. **Psychiatr Neurol Med Psychol (Leipz)** 27(8):477–83, Aug 75 (Eng. Abstr.) **(Ger)**

WORK

Application of teleelectrocardiography for evaluation of the engine–driver work–load in four variants of ride. Sadowski Z. **Acta Physiol Pol** 26(6):605–12, Nov–Dec 75

Excretion of certain biogenous amines (free and conjugated) in urine during nervous–sensory and psycho–emotional work strain. Nedeltcheva K. **Agressologie** 16(3):193–7, 1975

The catecholamines as a criterion for the functional state in different activities. Tsaneva N, et al. **Agressologie** 16(3):179–85, 1975

Work scheduling under normal and prolonged–vibration environments. Khalil TM, et al. **Am Ind Hyg Assoc J** 37(3):174–82, Mar 76

Letter: Thermal responses to intermittent work in selected environments. Wilson BD, et al. **Am Ind Hyg Assoc J** 37(5):A–15, May 76

The accuracy and correlates of psychiatric patients' self–assessment of their work behaviour. Griffiths RD. **Br J Soc Clin Psychol** 14(2):181–9, Jun 75

Primary ventricular fibrillation and resumption of work, sexual activity, and driving after first acute myocardial infarction. Kushnir B, et al. **Br Med J** 4(5997):609–11, 13 Dec 75

Persisting and unaltered circadian rhythms of six healthy young men with a night–work shift every 48 hrs and a 2% CO2 atmosphere during a 4–week span. Guillerm R, et al. **Chronobiologia** 2(4):337–45, Oct–Dec 75

Death rates among the Italian railroad employees, with special reference to coronary heart disease and physical activity at work. Menotti A, et al. **Environ Res** 11(3):331–42, Jun 76

A technique for assessing postural discomfort. Corlett EN, et al. **Ergonomics** 19(2):175–82, Mar 76

Oxygen consumption and heart rate: changes and relationships in static work. Wald A, et al. **Ergonomics** 18(3):299–309, May 75

Age and the journey to work. Clemente F, et al. **Gerontologist** 14(3):215–6, Jun 74

Work after retirement. An investigation into some psychologically relevant variables. Fillenbaum GG, et al. **Gerontologist** 14(5 pt 1):418–24, Oct 74

Experimental shift work studies of permanent night, and rapidly rotating, shift systems. I. Circadian rhythm of body temperature and re–entrainment at shift change. Knauth P, et al. **Int Arch Occup Environ Health** 37(2):125–37, 3 Jun 76

Psycho–social effects of home care: results of a randomized controlled trial. Gerson LW, et al. **Int J Epidemiol** 5(2):159–65, Jun 76

Aspects of work style and work difficulty in borderline personalities. Fast I. **Int J Psychoanal** 56(4):397–403, 1975

Effect of neck versus chest cooling on responses to work in heat. Shvartz E. **J Appl Physiol** 40(5):668–72, May 76

Energy expenditure cutting supercane. Spurr GB, et al. **J Appl Physiol** 39(6):990–6, Dec 75

Effects of work load, role ambiguity, and type A personality on anxiety, depression, and heart rate. Caplan RD, et al. **J Appl Psychol** 60(6):713–9, Dec 75

Task, setting, and personality variables affecting the desire to work. Russell JA, et al. **J Appl Psychol** 60(4):518–20, Aug 75

Leadership style, subordinate personality, and task type as predictors of performance and satisfaction with supervision. Weed SE, et al. **J Appl Psychol** 61(7):58–66, Feb 76

Changes of working and sleeping hours of farmers in accordance with technological innovation in agriculture. Inoue K. **J Hum Ergol (Tokyo)** 3(2):131–41, Dec 74

Editorial: The meaning of routine work. Kogi K. **J Hum Ergol (Tokyo)** 4(1):1–2, Sep 75

The structure of the fishing activity system and division of labor according to age in a local fishing community of Okinawa. Kuchikura Y. **J Hum Ergol (Tokyo)** 3(2):105–30, Dec 74

Myocardial infarction patients and work attitudes—an empirical study. van Dijl H. **J Psychosom Res** 19(3):197–202, 1975

Contemporary influences on sexual response. 1. The work ethic. Johnson VE, et al. **J Sch Health** 46(4):211–5, Apr 76

Work role motivation as a predictor of success in Navy paramedical training. Booth RF, et al. **Milit Med** 141(3):183–7, Mar 76

Housestaff strike. Immoral or inevitable? Dobkin J. **NY State J Med** 75(10):1784–6, Sep 75

Immorality of New York physicians' strike. Rosner F. **NY State J Med** 75(10):1782–3, Sep 75

Regulatory mechanisms of energy needs—occupational work. Kraut H, et al. **Prog Food Nutr Sci** 2(2–3):81–9, 1976 (28 ref.)

[A contribution to the issue of blood–pressure at the physical work (author's transl)] Chrástek J. **Sb Lek** 77(12):358–63, Dec 75 (Eng. Abstr.) **(Cze)**

[Adaptation of work to healthy and handicapped persons] Arbarète M. **Sem Hop Ther** 51(4):273–6, Apr 75 **(Fre)**

[Adaption of subjects in field studies of informatory working conditions (author's transl)] Luczak H, et al. **Eur J Appl Physiol** 35(1):33–47, 9 Mar 76 **(Ger)**

[The work capacity of handicapped aging and aged patients] Flügel B. **Z Alternsforsch** 30(3):219–26, 1975 **(Ger)**

[Guidelines for the analysis and evaluation of selected form of physical labor] Frauendorf H, et al. **Z Gesamte Hyg** 21(1):21–3, Jan 75 **(Ger)**

[Illumination level and performance. Classification of experimental principles] Lindner H. **Z Gesamte Hyg** 21(2):101–7, Feb 75 (Eng. Abstr.) **(Ger)**

[Heart–rate regulation in activities related to varying performance and time patterns] Naumann HJ, et al. **Z Gesamte Hyg** 20(4):212–5, Apr 74 (Eng. Abstr.) **(Ger)**

[Motivation for work] Renker U. **Z Gesamte Hyg** 21(7):523–5, Jul 75 (Eng. Abstr.) **(Ger)**

[The perception of physical performance in different work conditions (author's transl)] Costa G, et al. **Lav Um** 27(5):129–38, Sep 75 (Eng. Abstr.) **(Ita)**

[Meaning of work in occupational therapy] Inoue S. **Psychiatr Neurol Jpn** 77(11):791–6, 25 Nov 75 **(Jpn)**

[Investigations of the working capacity of children 7 to 10 years old (author's transl)] Wójcik M. **Probl Med Wieku Rozwoj** 5:111–41, 1975 (Eng. Abstr.) **(Pol)**

[Mechanism of the discontinuance of work as a consequence of fatigue according to the change in the electromyogram in a hypnotic state] Moĭkin IuV, et al. **Biull Eksp Biol Med** 80(8):12–4, Aug 75 (Eng. Abstr.) **(Rus)**

[Research laboratories for the scientific organization of work and management of the main pharmacy administration of the ministries of public health of the Union Republics] Panchenko EI, et al. **Farmatsiia** 24(6):12–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Circadian periodicity of blood coagulation system indices and the hormonal activity of the adrenals in healthy persons (under conditions of rest and of stressed work)] Deriagina GP, et al. **Fiziol Zh SSSR** 61(10):1564–72, Oct 75 (Eng. Abstr.) **(Rus)**

[Apropos of the article by O. A. Virovets, A. N. Azhaev, P. Ia. Azhevskiĭ, R. K. Kiselev and V. N. Shustov, 'Change in the salt makeup of sweat during physical work and under high temperature'] Afanas'ev BG. **Gig Sanit** (3):90–1, Mar 76 **(Rus)**

[The problem of occupational fitness of adolescents with compensated rheumatic heart diseases] Antonova LT, et al. **Gig Sanit** (10):32–5, Oct 75 (Eng. Abstr.) **(Rus)**

[The effect of noise on the energy balance] Baranova NP. **Gig Sanit** (12):28–31, Dec 75 (Eng. Abstr.) **(Rus)**

[The state of health and the working capacity of school undergraduates with poor and good progress] Dikaia AN. **Gig Sanit** (12):48–52, Dec 75 (Eng. Abstr.) **(Rus)**

[Hygienic substantiation of the rationalization and planning of a teaching process] Krivoruchko TS, et al. **Gig Sanit** (5):47–50, May 75 (Eng. Abstr.) **(Rus)**

[The seasonal and the daily changes of oxygen consumption and body temperature among adolescents in the course of studies and adaptation to new climatic conditions] Matiukhin VA, et al. **Gig Sanit** (12):97–9, Dec 75 **(Rus)**

[Experimental data for elaboration of a rational regimen of labour and rest of persons working with a high frequency mechanized instrument] Mikulinskiĭ AM, et al. **Gig Sanit** (12):38–42, Dec 75 (Eng. Abstr.) **(Rus)**

[Economic evaluation of the effectiveness of improving working conditions in the lumbering industry] Mishin IuT, et al. **Gig Sanit** (6):80–91, Jun 76 **(Rus)**

[The effect of noise of changing levels on workers of different qualifications] Orlovskaia EP. **Gig Sanit** (12):31–4, Dec 75 (Eng. Abstr.) **(Rus)**

[The effectiveness of the work of a factory during installations for sewage decontamination] Sergunina LA, et al. **Gig Sanit** (5):93–6, May 75 **(Rus)**

[Hygienic assessment of the labour of water transport seamen]

Shafran LM, et al. **Gig Sanit** (12):20–4, Dec 75 (Eng. Abstr.) **(Rus)**

[The effect of certain factors on the progress of students] Verezhnikova AV, et al. **Gig Sanit** (5):107–8, May 75 **(Rus)**

[The dynamics of the working capacity and physiological indices of senior course students during a semester] Zadorozhyni BV. **Gig Sanit** (5):45–7, May 75 (Eng. Abstr.) **(Rus)**

[Rational structuring of the work of patients with occupational diseases caused by antibiotics] Antipov EV. **Gig Tr Prof Zabol** (5):43–5, May 75 **(Rus)**

[Scientific and technical progress and working women in socialism] Artem'ev VN, et al. **Gig Tr Prof Zabol** (12):1–5, Dec 75 **(Rus)**

[Characteristics of the working conditions for builders in the reconstruction of industrial enterprises] Boltsov AN, et al. **Gig Tr Prof Zabol** (7):48–9, Jul 76 **(Rus)**

[Biorhythmical prerequisites for organizing the shift work of young workers] Doskin VA, et al. **Gig Tr Prof Zabol** (4):9–13, Apr 76 (Eng. Abstr.) **(Rus)**

[Development of intrashift work and rest regimens for workers in jobs with a vibration hazard] Ellanskii IuG, et al. **Gig Tr Prof Zabol** (4):13–6, Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of the character of the work activities on indices of the time sense] Gambashidze GM. **Gig Tr Prof Zabol** (4):1–5, Apr 76 (Eng. Abstr.) **(Rus)**

[Effect of the technological methods on the sanitary improvement of working conditions in mining ore deposits] Il'ina VA, et al. **Gig Tr Prof Zabol** (3):43, Mar 76 **(Rus)**

[Standards for the permissible microclimate parameters in hot shops in the southern Ukraine in the performance of heavy tasks] Karnaukh NG, et al. **Gig Tr Prof Zabol** (1):4–7, Jan 76 (Eng. Abstr.) **(Rus)**

[Assessing the difficulty of the labor of workers occupied in hot metal shaping] Koshenkov VN. **Gig Tr Prof Zabol** (4):5–9, Apr 76 (Eng. Abstr.) **(Rus)**

[Working conditions in the smelting of lead-containing steels and measures to improve sanitary conditions] Kucherskii RA, et al. **Gig Tr Prof Zabol** (3):1–4, Mar 76 (Eng. Abstr.) **(Rus)**

[Substantiation of the intrashift work and rest regimen for workers in transformer plants] Kushnirova NI, et al. **Gig Tr Prof Zabol** (7):42–5, Jul 75 **(Rus)**

[Effective measures for improving the working conditions in forge-and-press shops] Liubashevskaia ZA, et al. **Gig Tr Prof Zabol** (7):46–8, Jul 76 **(Rus)**

[Working conditions of miners coming in contact with trinitrotoluene-containing explosive materials and the prevention of poisonings] Mel'nichenko RK. **Gig Tr Prof Zabol** (1):10–3, Jan 76 (Eng. Abstr.) **(Rus)**

[Physiological and hygienic evaluation of the working conditions of female workers occupied in the assembly of luminescent lamps] Perepechina KF. **Gig Tr Prof Zabol** (3):8–11, Mar 76 (Eng. Abstr.) **(Rus)**

[Justification for making use of physical exercises in the work regimen of female workers in assembly line production] Pirogova EA, et al. **Gig Tr Prof Zabol** (4):16–20, Apr 76 (Eng. Abstr.) **(Rus)**

[Physiological criteria of the strenuousness of work] Rozenblat VV, et al. **Gig Tr Prof Zabol** (7):5–9, Jul 75 (Eng. Abstr.) **(Rus)**

[Physiological justification of a rational work and rest regimen for construction workers in the summer under the climatic conditions of Central Asia] Salikhodzhaev SS, et al. **Gig Tr Prof Zabol** (10):43–5, Oct 74 **(Rus)**

[Hygienic evaluation of the working conditions of workers using vibration equipment in a reinforced concrete structures plant and the activities of the health service in preventing vibration disease] Sokolovskaia NIa. **Gig Tr Prof Zabol** (1):39–40, Jan 76 **(Rus)**

[Physiological and hygienic comparison of different work organization in relation to the mechanization and automation of the technological process in aluminum electrolysis] Solonin IuG, et al. **Gig Tr Prof Zabol** (7):4–7, Jul 76 (Eng. Abstr.) **(Rus)**

[Complex medical geographical study of the site for stationing student construction detachments (destination, model program and the method of compiling medical geographical information)] Leĭbov AL. **Sov Zdravookhr** (12):23–6, 1975 **(Rus)**

[Accounting for the work time of the workers in military medical institutions] Pererva VA. **Voen Med Zh** (11):91–3, Nov 75 **(Rus)**

[Communist attitude to work in the public health institutions of the Ukrainian SSR] Vysochanskaia GP. **Vrach Delo** (6):1–5, Jun 74 **(Rus)**

[Hygienic characteristics of the working conditions of disinfecting service workers coming in contact with pesticides] Al'ber GV. **Zdravookhr Kirg** (2):38–40, Mar–Apr 76 **(Rus)**

[Role and importance of work semester in the system of ideological communist education of medical students] Trubnikov GA, et al. **Zdravookhr Ross Fed** (1):30–3, Jan 76 **(Rus)**

[Working times and working conditions of physicians (III). Work and spare time] Lindsjö U. **Lakartidningen** 73(21):1987–9, 19 May 76 **(Swe)**

[Work of a scientific work organization group in a district pharmacy] Cherniavskii SV. **Farm Zh** 31(3):89–90, May–Jun 76 **(Ukr)**

[Development and introduction of scientific work organization in the pharmaceutical institutions of the Ukraine] Skulkova RS. **Farm Zh** 31(3):17–21, May–Jun 76 **(Ukr)**

WORK CAPACITY EVALUATION see under **DISABILITY EVALUATION**

WORK OF BREATHING

Energy expenditure with advanced lower limb orthoses and with conventional braces. Lehneis HR, et al. **Arch Phys Med Rehabil** 57(1):20–4, Jan 76

Frequency response analysis of the diaphragm in vivo. Evanich MJ, et al. **J Appl Physiol** 40(5):729–35, May 76

The use of the treadmill for assessing exercise-induced asthma and the effect of varying the severity and duration of exercise. Godfrey S, et al. **Pediatrics** 56(5 pt–2 suppl):893–8, Nov 75

Pickwickian syndrome, 20 years later. Carroll D. **Trans Am Clin Climatol Assoc** 86:112–27, 1975

[Effects of nasogastric intubation on respiratory resistance and work in newborn and premature infants] Rouge JC, et al. **Ann Anesthesiol Fr** 16 Spec No 1:101–4, 1975 (Eng. Abstr.) **(Fre)**

[Work of breathing in ventilation related to commonly used parameters of pulmonary function in normal subjects (author's transl)] Börngen U. **Prax Pneumol** 29(6):315–30, Jun 75 (Eng. Abstr.) **(Ger)**

[Normal value of ventilatory work of breathing (author's transl)] Börngen U. **Respiration** 33(1):22–35, 1976 (Eng. Abstr.) **(Ger)**

[Ventilatory work of breathing in bronchospasmolysis] Börngen U. **Ther Ggw** 115(6):1004–37, Jun 76 **(Ger)**

WORK SATISFACTION see **JOB SATISFACTION**

WORK SIMPLIFICATION

Economy of effort in electron microscope morphometry. Shay J. **Am J Pathol** 81(3):503–12, Dec 75

[Work position for left-handed dentist] Arvidson K. **Sven Tandlak Tidskr** 68(3):113–5, 1975 **(Swe)**

WORKMEN'S COMPENSATION

see related
DISABILITY EVALUATION

The effort to rehabilitate workers' compensation. Barth PS. **Am J Public Health** 66(6):553–7, Jun 76

Statewide hospital infection surveillance. Use of workmen's compensation claims to detect nosocomial infection. Ehrenkranz NJ. **Arch Environ Health** 30(10):514–6, Oct 75

Noise pollution: practical aspects concerning workers worldwide. Westerman ST. **Eye Ear Nose Throat Mon** 54(10):387–93, Oct 75

Diagnostic patterns in disability Illinois and the nation. Grant HE. **Ill Med J** 149(3):230, 234, Mar 76

Some developments in workmen's compensation. Hannah HW. **J Am Vet Med Assoc** 169(3):292, 1 Aug 76

Letter: Impact on experts. Halliday WR. **J Leg Med** 3(10):6–7, Nov–Dec 75

The medical community and the Workmen's Compensation insurance carrier: a treatment alliance model. Beyer RD, et al. **J Occup Med** 17(5):318–23, May 75

Arterial hypertension and the work environment: some considerations affecting its compensability. Mustacchi P. **J Occup Med** 18(8):561–6, Aug 76 (75 ref.)

Worker's compensation experience rating as a safety evaluation tool. Schrems EL. **J Occup Med** 18(4):227–30, Apr 76

From the medical examiner's file. Bucklin R. **Med Times** 104(5):104–7, May 76

Workmen's compensation case—cardiac infarct—question of residual disability—examination of respondent's expert witness in rehabilitation of cardiac patients (—part) II. Johnson P, et al. **Med Trial Tech Q** 22(4):469–504, Spring 76

'Fungus among us' and Workmen's Compensation. Marmor D. **Med Trial Tech Q** 22(4):385–402, Spring 76

Forward on backs. Abelson I. **Nurs Times** 71(45):1762, 6 Nov 75

New cash state benefits. Orriss HD. **Nurs Times** 71(42):1657–8, 16 Oct 75

The obligations of medical practitioners in relation to the new Mines and Works Act. Goldstein B, et al. **S Afr Med J** 50(25):975–7, 12 Jun 76

[The concept of disability in the law of workmen's compensation] Kekki M. **Duodecim** 91(16):928–31, 1975 **(Fin)**

[Compensation for occupational accidents] Oravisto KJ. **Duodecim** 91(16):951–5, 1975 **(Fin)**

[Internal disease (viral infection) or accident?] Kabelitz HJ. **Lebensversicherungsmedizin** 28(01):22, Jan 76 **(Ger)**

[Current problems in tuberculosis control from the viewpoint of worker's compensation insurance] Heuer U. **Oeff Gesundheitswes** 37 suppl 2:96–9, Apr 75 **(Ger)**

[Extreme heat effect during a work shift, pneumonia, heart failure, compensable accident] Harrfeldt HP. **Unfallheilkunde** 79(2):79–80, FEB 76 **(Ger)**

[Industrial accidents and compensation from an industrial health viewpoint] Franke K. **Z Gesamte Hyg** 21(7):526–9, Jul 75 (Eng. Abstr.) **(Ger)**

[Prosthetic treatment in workmen's compensation. Basic decision of the Federal court, December 9, 1974 VII ZR 182/73] Pohl H. **Zahnaerztl Mitt** 65(8):365–8, 16 Apr 75 **(Ger)**

[Compensation of injured workers in lack of the elements of fault of the injured] Palmisani L. **Riv Med Aeronaut Spaz** 37(1–2):104–7, Jan–Jun 74 **(Ita)**

WORLD HEALTH ORGANIZATION

The WHO Regional Teacher Training Centre for the Health Sciences, Sydney. Rundle FF. **Aust Fam Physician** 5(3):262, 264, 266 passim, Apr 76

Letter: The term 'psychosis' in the 1974 W.H.O. glossary of mental disorders. McCormick WO. **Br J Psychiatry** 126:593, Jun 75

MEDLINE services to the developing countries. Weitzel R. **Bull Med Libr Assoc** 64(1):32–5, Jan 76

The role of WHO in blindness prevention. Bietti GB. **Bull Pan Am Health Organ** 10(1):65–8, 1976

Medical training and support technical aid. Lambo TA. **Bull Schweiz Akad Med Wiss** 30(4–6):219–29, Oct 74

Utilization of health services in Western Canada: basic Canadian data from the World Health Organization/International Collaborative Study of Medical Care Utilization. Matthews VL, et al. **Can Med Assoc J** 114(4):309–12, 21 Feb 76

Letter: WHO repudiates 1:650. Stewart CB. **Can Med Assoc J** 114(12):1094–126, 19 Jun 76

WHO–IUIS Terminology Committee. Nomenclature for factors of the HLA system. **Cell Immunol** 21(2):382–9, Feb 76

Who recommendations for BCG. **Clin Pediatr (Phila)** 15(2):175, FEB 76

An evaluation of proposed revisions to the W.H.O. manual 'Oral Health Surveys–Basic Methods'. Davies GN, et al. **Community Dent Oral Epidemiol** 4(2):55–65, Mar 76

GAO reports HMO success/failure factors. Prussin JA. **Hosp Prog** 57(2):6, 10, Feb 76

WHO training course in psychopharmacology for teachers in medical schools. pp. 113–4. Rafaelsen OJ.
In: Ban TA, et al., ed. Psychopharmacology, sexual disorders and drug abuse. Amsterdam, North–Holland, 1973. QV 77 P973 1972.

Family health in relation to population change: the role of the World Health Organization. pp. 108–16. Engstrom L.
In: Bloch LS, ed. Population change: a strategy for physicians. Washington, Assoc of American Medical Colleges, 1975. HV 766 I618p 1974.

WHO–activities for the early detection of cervical carcinoma. pp. 205–14. Stormby N.
In: Boström H, et al., ed. Health control in detection of cancer. Stockholm, Almqvist & Wiksell, 1976. W3 SK56 10th 1976.

W.H.O.'s function in evaluation and monitoring of drugs. pp. 237–8. Barzilai R.
In: Marois M, ed. Development of chemotherapeutic agents for parasitic diseases. Amsterdam, North–Holland, 1975. WC 695 D489 1974.

The WHO environmental health criteria programme. pp. 115–30. Vouk VB.
In: Nordberg GF, ed. Effects and dose–response relationships of toxic metals. Amsterdam, Elsevier, 1976. QV 290 E27 1974.

Risk factors in myocardial infarction patients. Results from the WHO register study. pp. 173–80. Nüssel E, et al.
In: Stocksmeier U, ed. Psychological approach to the rehabilitation of coronary patients. Berlin, Springer, 1976. WG 300 P972 1974.

Outline of the World Health Organization's programme on epidemiological studies of non–medical drug use and drug dependence. Chruściel TL. **Int J Clin Pharmacol Biopharm** 12(1–2):114–20, Jul 75

The WHO program for research on immunology of leprosy (IMMLEP). Sansarricq H, et al. **Int J Lepr** 44(1–2):276–83, Jan–Jun 76

Mental health services in the developing countries. WHO Expert Committee on Mental Health. David HP. **J Psychiatr Nurs** 14(1):24–9, Jan 76

Twenty–Ninth World Health Assembly. **J Trop Med Hyg** 79(5):114, May 76

Editorial: A good breakfast. **Lancet** 1(7971):1227, 5 Jun 76

Letter: The politics of W.H.O. Howat DF. **Lancet** 2(7975):41, 3 Jul 76

Leprosy and the community: the World Health Organisation and leprosy. **Lepr Rev** 47(2):145–53, Jun 76

The role of WHO in antileprosy drug trials. Walter J, et al. **Lepr Rev** 46(2 Suppl):9–16, Jun 75

Arboviruses in the scientific world and in the community; role of WHO. Brès P. **Med Biol** 53(5):246–8, Oct 75

Presidential address. Medicine in a developing tropical environment. Smith CE. **Trans R Soc Trop Med Hyg** 70(1):1–9, 1976

Twenty–eighth World Health Assembly—2. **WHO Chron** 29(8):289–99, Aug 75

Biomedical research: WHO's commitments examined. **WHO Chron** 29(11):417–22, Nov 75

WHO–supported collaborative research projects in India: the facts. **WHO Chron** 30(4):131–9, Apr 76

Aspects of international health work in 1975. **WHO Chron** 30(7):264–85, Jul 76

Promotion of biomedical research in South–East Asia. Establishment of a Regional Advisory Committee on Medical Research. **WHO Chron** 30(7):290–3, Jul 76

WHO's role in biomedical research. **WHO Chron** 30(8):325–6,

Aug 76
The WHO fellowships and training programme. Burton J. **WHO Chron** 29(9):350–3, Sep 75
Health strategies in a changing world. Mahler H. **WHO Chron** 29(6):209–18, Jun 75
WHO and the new economic order. Mahler H. **WHO Chron** 30(6):215–22, Jun 76
Schizophrenia: a multinational study. Design. **WHO Public Health Pap** (63):18–27, 1975
Aims of the International Pilot Study of Schizophrenia. **WHO Public Health Pap** (63):15–7, 1975
Schizophrenia: a multinational study. Introduction. **WHO Public Health Pap** (63):11–4, 1975
[Some basic trends in the expanded program of the World Health Organization in studying the problems of human reproduction] Vasilev D. **Akush Ginekol (Sofiia)** 14(1):66–72, 1975 **(Bul)**
[Editorial: Role of WHO in current international health care problems] Ammundsen E. **Ugeskr Laeger** 138(8):487–9, 16 Feb 76 **(Dan)**
[The usefulness of WHO's disease classification list in general practice] Schmidt O. **Ugeskr Laeger** 138(4):240–2, 19 Jan 76 (Eng. Abstr.) **(Dan)**
[Present orientation of the WHO program for trachoma] Tarizzo ML. **Rev Int Trach** 51(4):103–10, 1974 (Eng. Abstr.) **(Fre)**
[Proceedings: The international reference center system of the World Health Organization for information about psychopharmaceuticals] Leeds AA. **Arzneim Forsch** 26(6):1024–5, 1976 **(Ger)**
[WHO-Expert Committe on Tuberculosis, Ninth Report. Technical Report Series No. 552; WHO, Geneva, 1974 (author's transl)] **Z Erkr Atmungsorgane** 143(2):162–93, May 75 **(Ger)**
[The work of W.H.O.—1974] Neumann B. **Harefuah** 89(12):580–1, 15 Dec 75 **(Heb)**
[Expanded WHO program concerning human reproduction] Persianinov LS, et al. **Akush Ginekol (Mosk)** (6):1–3, Jun 75 **(Rus)**
[State and perspectives of scientific studies on human reproduction at the Moscow WHO Scientific-Methodical Center] Persianinov LS, et al. **Akush Ginekol (Mosk)** (6):3–7, Jun 75 **(Rus)**
[WHO's program for the liquidation of smallpox (development, status, outlook)] Marennikova SS. **Vopr Virusol** (6):643–8, Nov-Dec 75 (8 ref.) **(Rus)**
[Radically changed view on health personnel in the developing program for WHO] Rössner S. **Nord Med** 91(3):81, Mar 76 **(Swe)**

HISTORY

Report of WHO meeting of investigators to discuss future cooperation in the field of rheumatoid arthritis and allied diseases. London 25–26 March 1974. pp. 643–54.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific. 1976. WE 346 I43 1974. (37 ref.)
A corner of history. Andrija Stampar 1888–1958. Lang S. **Prev Med** 4(4):591–5, Dec 75
The founding of a single international health organization. Calderwood HB. **WHO Chron** 29(11):435–7, Nov 75

WOUND HEALING

see related
CICATRIX
GRANULATION TISSUE
Influence of layer-by-layer plasty of skull and treatment with hydrocortisone on healing of meningo-cerebral injuries. Sergeyev LB. **Acta Chir Plast (Praha)** 17(4):231–8, 1975
The function of polymorphonuclear leukocytes after surgical trauma. Bröte L, et al. **Acta Chir Scand** 141(7):565–70, 1975
Healing of a crush injury in rat striated muscle. 4. Effect of early mobilization and immobilization on the tensile properties of gastrocnemius muscle. Järvinen M. **Acta Chir Scand** 142(1):47–56, 1976
Fluorescein angiography of canine conjunctival auto- and allografts. Analysis by sequential, still photographic recording of the spreading of fluorescence over the graft surfaces following intravenously administered fluorescein. Schantz B. **Acta Chir Scand** 141(7):575–81, 1975
Remodelling after femoral shaft fracture in children. Viljanto J, et al. **Acta Chir Scand** 141(5):360–5, 1975
Ultrastructural features of the healing area after everting and inverting suture of the small intestine in rabbits. Necula T, et al. **Acta Morphol Acad Sci Hung** 22(3–4):227–39, 1974
Reversible blood–brain barrier dysfunction to peroxidase after a small stab wound in the rat cerebral cortex. Persson L, et al. **Acta Neuropathol (Berl)** 35(4):333–42, 16Aug 76
The effects of rigidity of internal fixation plates on long bone remodeling. A biomechanical and quantitative histological study. Akeson WH, et al. **Acta Orthop Scand** 47(3):241–9, Jun 76
The values of some plasma components during the early phases of fracture healing in man. Lyritis G, et al. **Acta Orthop Scand** 47(3):264–6, Jun 76
Strontium–85 profile counting in fractures of the tibial shaft. Puranen J, et al. **Acta Orthop Scand** 46(4):569–78, Sep 75
Healing of a crush injury in rat striated muscle. 3. A micro-angiographical study of the effect of early mobilization and immobilization on capillary ingrowth. Järvinen M. **Acta Pathol Microbiol Scand [A]** 84(1):85–94, Jan 76
Vitreoretinal juncture; healing of experimental wounds. Foos RY, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 196(3):213–20, 5 Sep 75
Porcine dressing for ileostomy retraction. Baum M, et al. **Am J Nurs** 76(5):760–1, May 76
Human amniotic membranes for burns. Ninman C, et al. **Am J Nurs** 75(9):1468–9, Sep 75
Electron microscopy study of cryogenic chorioretinal adhesions. Feman SS, et al. **Am J Ophthalmol** 81(6):823–32, Jun 76
Traumatic rupture of healed cataract wounds. Kass MA, et al. **Am J Ophthalmol** 81(6):722–4, Jun 76
Repair and adhesion mechanisms of the cryotherapy lesion in experimental retinal detachment. Laqua H, et al. **Am J Ophthalmol** 81(6):833–46, Jun 76
Ultrastructure of keratoconus with healed hydrops. Stone DL, et al. **Am J Ophthalmol** 82(3):450–8, Sep 76
Unintentional filtration after cataract surgery. Swan KC, et al. **Am J Ophthalmol** 80(3 Pt 1):472–5, Sep 75
Kinetics of epidermal production during epidermal regeneration following abrasion in mice. Argyris T. **Am J Pathol** 83(2):329–40, May 76
The aortic intima. II. Repair of the aortic lining after mechanical denudation. Schwartz SM, et al. **Am J Pathol** 81(1):15–42, Oct 75
The surgical knife and the CO2 laser beam. Their effects on the healing of intestinal anastomoses. Kott I, et al. **Am J Proctol** 27(2):27–31, Apr 76
Comparison of coarse mesh gauze with biologic dressings on granulating wounds. Levine NS, et al. **Am J Surg** 131(6):727–9, Jun 76
Quantitation of local acidosis and hypoxia produced by infection. Raju R, et al. **Am J Surg** 132(1):64–6, Jul 76
A preliminary report on regenerative healing in the equine tendon. Norrie RD. **Am J Vet Res** 36(10):1523–4, Oct 75
Management of amputation-stump breakdown. Kerstein MD. **Am Surg** 41(9):581–3, Sep 75
Perineal wound healing after abdominoperineal resection. McGarity WC, et al. **Am Surg** 42(3):206–11, Mar 76
Electrical promotion of soft tissue repairs. Konikoff JJ. **Ann Biomed Eng** 4(1):1–5, Mar 76
The effect of 10-0 running nylon versus 8-0 silk on the healing of corneal gragts. Gasset AR, et al. **Ann Ophthalmol** 8(1):99–102, Jan 76
Effect of nutrition, diet and suture material on long term wound healing. Temple WJ, et al. **Ann Surg** 182(2):93–7, Aug 75
Acceleration of tissue ingrowth on materials implanted in the heart. Brais M, et al. **Ann Thorac Surg** 21(3):221–9, Mar 76
Ultrastructural studies on the external surface coat of epidermal cells: alcian blue–lanthanum nitrate staining during wound healing. Krawczyk WS. **Arch Dermatol Res** 255(2):157–62, 21 Apr 76
Biosynthesis of connective tissue components in corneal wound healing. Leuenberger PM, et al. **Arch Ophtalmol (Paris)** 35(2):127–37, Feb 75
The corneal host–graft function. Physiopathology of the scar. Polack FM. **Arch Ophtalmol (Paris)** 35(2):139–52, Feb 75
Cornea and sclera. Lemp MA. **Arch Ophthalmol** 94(3):473–90, Mar 76 (142 ref.)
A new sutureless technique for skin closure. Hasson HM, et al. **Arch Surg** 111(1):83–4, Jan 76
A plasma scalpel: comparison of tissue damage and wound healing with electrosurgical and steel scalpels. Link WJ, et al. **Arch Surg** 111(4):392–7, Apr 76
Experimental evaluation of primary repair of colonic injuries. Matolo NM, et al. **Arch Surg** 111(1):78–80, Jan 76
Extraction socket healing in the calcium deficient rat. Smith N. **Aust Dent J** 20(1):22–6, Feb 75
Experimental gut anastomoses and their revascularization. Nakanishi H. **Aust NZ J Surg** 45(3):309–14, Aug 75
Intraendothelial tubular aggregates in experimental wounds. Eady RA, et al. **Br J Dermatol** 93(2):165–73, Aug 75
Effects of fractionated irradiation on mouse lung and a phenomenon of slow repair. Field SB, et al. **Br J Radiol** 49(584):700–7, Aug 76
Jaundice and wound healing: an experimental study. Bayer I, et al. **Br J Surg** 63(5):392–6, May 76
The effect of metal clips on the tensile properties of healing skin wounds. Harrison ID, et al. **Br J Surg** 62(12):945–9, Dec 75
Proceedings: Effect of haemorrhage on wound healing in the rat. McGinn FP. **Br J Surg** 63(2):163, Feb 76
A study of perineal wound healing after abdominoperineal resection. Saha SK, et al. **Br J Surg** 63(7):555–8, Jul 76
Letter: Silicone foam sponge for pilonidal sinus. Sood SC. **Br Med J** 4(5994):465, 22 Nov 75
Silicone foam sponge for pilonidal sinus: a new technique for dressing open granulating wounds. Wood RA, et al. **Br Med J** 4(5989):131–3, 18 Oct 75
Disintegration of cellulose dressings in open granulating wounds. Wood RA. **Br Med J** 1(6023):1444–5, 12 Jun 76
Quantitative histological evaluation of early fracture healing of cortical bones immobilized by stainless steel and composite plates. Akeson WH, et al. **Calcif Tissue Res** 19(1):27–37, 24 Nov 75
An experimental study on the significance of muscle tissue interposition on fracture healing. Altner PC, et al. **Clin Orthop** (111):269–73, Sep 75
Ultrasonic study of normal and fractured bone. Gerlanc M, et al. **Clin Orthop** (111):175–80, Sep 75
Hormonal effects on the morphology of bone defect healing. Tylkowski CM, et al. **Clin Orthop** (115):274–85, Mar-Apr 76
Wound healing: the biological basis of hand surgery. Madden JW. **Clin Plast Surg** 3(1):3–11, Jan 76 (57 ref.)
Nutritional implications in wound healing. Navia JM, et al. **Dent Clin North Am** 20(3):549–67, Jul 76
Wound healing in the cornea of the chick embryo. III. The influence of pore size of millipore filters on the migration of isolated epithelial sheets in culture. Takeuchi S. **Dev Biol** 51(1):49–62, 1 Jul 76
Wound healing. Comparison of healing rates of burn wounds and of excisional wounds. Monsaingeon A, et al. **Eur Surg Res** 8(4):337–43, 1976
Effect of soft contact lenses on limbal wound healing. Miller D, et al. **Exp Eye Res** 22(6):611–4, Jun 76 (5 ref.)
A scanning electron microscopic study of lens fibers in healing mouse lens. Nelson KJ, et al. **Exp Eye Res** 22(4):335–46, Apr 76
The corneal endothelium in vivo: its response to mild trauma. Sherrard ES. **Exp Eye Res** 22(4):347–57, Apr 76
Endothelial wound repair in primate cornea. Van Horn DL, et al. **Exp Eye Res** 21(2):113–24, Aug 75
Techniques and complications of primary wound closure. pp. 71–9. Arem AJ.
In: Findeiss JC, et al., ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.
The prevention and correction of burn scar contracture and hypertrophy. pp. 183–217. Larson DL.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.
Collagen metabolism in keloid and hypertrophic scar. pp. 199–212. Cohen IK, et al.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Cytokinetic aspects of wound healing. pp. 108–31. Cottier H, et al.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973. (88 ref.)
Burn contractures and keloids in Cape Town. pp. 141–65. Davies D, et al.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
The control of mitoses in wound healing. pp. 275–84. Donati L.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973. (34 ref.)
Distribution of oxygen and its significance in healing tissue. pp. 177–87. Hunt TK.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Granulation tissue and hypertrophic scars. pp. 93–107. Linares HA.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
The effect of pressure on the healing burn wound. pp. 67–92. MacMillan BG.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Observations of the influence of age on wound healing. pp. 10–9. Martin LW.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Behavior of scar tissue through its evolution with and without surgery with special reference to the chest regions in the young female patient. pp. 316–89. Pitanguy I.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Hypertrophic scar in the experimental animal. pp. 213–36. Silverstein P, et al.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.
Would healing: a brief review. Cohen BH, et al. **Int J Dermatol** 14(10):722–6, Dec 75 (14 ref.)
Physiological function of regenerating endothelium. Khodadoust AA, et al. **Invest Ophthalmol** 15(2):96–101, Feb 76
Sliding of the epithelium in experimental corneal wounds. Kuwabara T, et al. **Invest Ophthalmol** 15(1):4–14, Jan 76
The healing of corneal epithelial abrasions in the rabbit: a scanning electron microscope study. Pfister RR. **Invest Ophthalmol** 14(9):648–61, Sep 75
A literature search for the methods and materials used to stimulate osteogenesis. Kase F, et al. **J Am Podiatry Assoc** 66(8):604–17, Aug 76
Accelerated fracture healing. Mohr R, et al. **J Am Podiatry Assoc** 66(8):588–603, Aug 76
Electron microscopic observations on the repair of perforated tympanic membranes in the guinea-pig. McMinn RM. **J Anat** 120(1):207–17, Sep 75
The resurfacing of adult rabbit articular cartilage by multiple perforations through the subchondral bone. Mitchell N, et al. **J Bone Joint Surg [Am]** 58(2):230–3, Mar 76
Simulated dry socket: delayed healing of extraction wounds in rats. Rozanis J, et al. **J Can Dent Assoc** 42(1):41–5, Jan 76
Wound healing and its periodontal implications. Stakiw J. **J Can Dent Assoc** 42(1):35–7, 45, Jan 76
The connective-tissue reaction in the healing of full-thickness excised skin wounds in the thoracic and metatarsal regions of the dog. Winstanley EW. **J Comp Pathol** 86(2):211–9, Apr 76

Regeneration of subcutaneous connective tissue in children. A histological study with application of the CELLSTIC device. Raekallio J, et al. **J Cutan Pathol** 2(4):191–7, 1975

Sequential electron microscopic healing study of grafted palatal mucosal. Weinstein RA, et al. **J Dent Res** 55(1):16–21, Jan–Feb 76

Wound healing and the amniotic membrane. Trelford JD, et al. **J Med** 6(5–6):383–8, 1975

Electromagnetic fields and skin wound repair. Romero-Sierra C, et al. **J Microwave Power** 10(1):59–70, Mar 75

Cell division and tissue repair following localized damage to the mammalian lung. Simnett JD, et al. **J Morphol** 148(2):177–84, Feb 76

99MTc-diphosphonate bone imaging and uptake in healing rat extraction sockets. Lurie AG, et al. **J Nucl Med** 17(8):688–92, Aug 76

Biological basis for vertical ramus osteotomies—a study of bone healing and revascularization in adult rhesus monkeys. Bell WH, et al. **J Oral Surg** 34(3):215–24, Mar 76

Evaluation of a microcrystalline collagen preparation in extraction wounds. Hunt LM, et al. **J Oral Surg** 34(5):407–14, May 76

Wound healing. Walter JB. **J Otolaryngol** 5(2):171–6, Apr 76

Squamous metaplasia in the healing of chronic colonic ulcers of the rat. Reeve DR. **J Pathol** 117(1):15–22, Sep 75

Wound healing in children as assessed by the CELLSTIC method. Viljanto J, et al. **J Pediatr Surg** 11(1):43–8, Feb 76

Osseous coagulum: a histologic evaluation. Coverly L, et al. **J Periodontol** 46(10):596–602, Oct 75

Rebuilding of microvascularization following surgical gingival elimination by split flap. Study by perfusion and diaphanization. Novaes AB, et al. **J Periodontol** 47(4):217–23, Apr 76

Allogeneic iliac transplants in rhesus monkeys. A sequential histologic study. Poulsom RC, et al. **J Periodontol** 47(4):187–95, Apr 76

Accelerated reattachment with cementogenesis to dentin, demineralized in situ. I. Optimum range. Register AA, et al. **J Periodontol** 46(11):646–55, Nov 75

Xenogeneic implants in primates. Collagen and chondroitin sulfate. Skinner RA, et al. **J Periodontol** 47(4):196–202. Apr 76

Tubal healing following laparoscopic electrocoaguiation. Fishburne JI Jr, et al. **J Reprod Med** 16(3):129–34, Mar 76

Bioengineering analysis of healing tissues. Zingg W. **J Sports Med** 3(2):61–70, Mar–Apr 75

Effects of stress on healing wounds: I. Intermittent noncyclical tension. Arem AJ, et al. **J Surg Res** 20(2):93–102, Feb 76

Measurement of collagen biosynthesis during wound healing. Diegelmann RF, et al. **J Surg Res** 19(4):239–43, Oct 75

The effects of skin grafting on healing open wounds in rabbits. Donoff RB, et al. **J Surg Res** 19(3):163–7, Sep 75

A new method to study the healing dynamics of acute gastric erosions and its application on restrained rats. Dutton JW, et al. **J Surg Res** 20(5):499–504, May 76

Enzyme activities in granulation tissue: Energy for collagen synthesis. Im MJ, et al. **J Surg Res** 20(2):121–5, Feb 76

The use of large molecular weight compounds to produce local lathyrism in healing wounds. Speer DP, et al. **J Surg Res** 19(3):169–73, Sep 75

Cellstic: A device for wound healing studies in man. Description of the method. Viljanto J. **J Surg Res** 20(2):115–9, Feb 76

A comparative study of four materials in local burn care in rabbit model. Oluwasanmi J, et al. **J Trauma** 16(5):348–53, May 76

Letter: Delayed wound healing in jaundiced rats. Bayer I, et al. **Lancet** 1(7970):1192–3, 29 May 76

The role of aminopeptidases in inflammatory and neoplastic tissues. Spector GJ. **Laryngoscope** 86(8):1218–40, Aug 76

Wound healing and the inflammatory response in the aged. Schilling JA. **Major Probl Clin Surg** 17:24–38, 1975

The structure of scorbutic regenerating capillaries in skeletal muscle wounds. McKinney RV Jr. **Microvasc Res** 11(3):361–79, May 76

A controlled study of electrosurgical currents and wound healing. Sozio RB, et al. **Oral Surg** 41(6):709–17, Jun 76

Acceleration of healing of maxillary and mandibular osteotomies by use of hyperbaric oxygen. A preliminary report. Wilcox JW, et al. **Oral Surg** 41(4):423–9, Apr 76

Surgical treatment of the late unhealed burn. Laing JE. **Panminerva Med** 14(6):183–7, Jun 72

Elastogenesis in healing wounds in bats. Bhangoo KS, et al. **Plast Reconstr Surg** 57(4):468–79, Apr 76

The role of tendon tissues in tendon healing. Furlow LT Jr. **Plast Reconstr Surg** 57(1):39–49, Jan 76

Letter: Regarding the role of tendon tissues in tendon healing. van der Meulen JC. **Plast Reconstr Surg** 58(3):364–5, Sep 76

Epidermal wound healing under a new polyurethane foam dressing (Lyofoam). Winter GD. **Plast Reconstr Surg** 56(5):531–7, Nov 75

The site of healing over after a local injury in the heart. Délèze J. **Recent Adv Stud Cardiac Struct Metab** 5:223–5, 1975

Changes in the width of epithelial cells in the healing excised cutaneous wound. Winstanley EW. **Res Vet Sci** 20(3):306–10, May 76

Wound strength in a clinical material. Nachemson A, et al. **Scand J Plast Reconstr Surg** 9(2):93–7, 1975

Bone formation in a free, living bone graft transferred by microvascular anastomoses. A quantitative microscopic study using fluorochrome markers. Ostrup LT, et al. **Scand J Plast Reconstr Surg** 9(2):101–6, 1975

An evaluation of wound closure in cataract surgery. Tan RY. **Singapore Med J** 17(1):49–51, Mar 76

Biomechanics of fracture healing after internal fixation. Perren SM, et al. **Surg Annu** 7:361–90, 1975 (50 ref.)

Wound healing. Schilling JA. **Surg Clin North Am** 56(4): 859–74, Aug 76

Effect of urine flow on ureteral healing. Dale GA, et al. **Surg Forum** 26:594–6, 1975

Influence of different tensions on the growth of skin grafts. Koehnlein HE, et al. **Surg Forum** 26:562–4, 1975

Healing process in uremia. Kursh ED, et al. **Surg Forum** 26:592–3, 1975

Collagen synthesis in primary and secondary rat skin wounds. Moore CD, et al. **Surg Forum** 26:558–60, 1975

Skin graft preparation and wound contraction. Rudolph R. **Surg Forum** 26:560–2, 1975

Biological factors affecting wound contraction. Stone PA, et al. **Surg Forum** 26:547–8, 1975

Parenteral hyperalimentation and wound healing. Bozzetti F, et al. **Surg Gynecol Obstet** 141(5):712–4, Nov 75

Collagen metabolism in infected colonic anastomoses. Irvin TT. **Surg Gynecol Obstet** 143(2):220–4, Aug 76

The effects of mechanical preparation and acidification of the colon on the healing of colonic anastomoses. Irvin TT, et al. **Surg Gynecol Obstet** 143(3):443–7, Sep 76

The role of the peritoneum in the healing of abdominal incisions. Karipineni RC, et al. **Surg Gynecol Obstet** 142(5):729–30, May 76

Plastic surgery and burns. Madden JW. **Surg Gynecol Obstet** 142(2):213–5, Feb 76 (0 ref.)

The effect of skin graft preparation on wound contraction. Rudolph R. **Surg Gynecol Obstet** 142(1):49–56, Jan 76

Accelerated healing in infected wounds. Tenorio A, et al. **Surg Gynecol Obstet** 142(4):537–43, Apr 76

Effect of suture materials on healing skin wounds. Van Winkle W Jr, et al. **Surg Gynecol Obstet** 140(1):7–12, Jan 75

An index of healing in below-knee amputation: leg blood pressure by Doppler ultrasound. Barnes RW, et al. **Surgery** 79(1):13–20, Jan 76

The nature of arterial healing following dextran treatment of experimental small artery trauma. Bloom WL, et al. **Surgery** 78(5):594–8, Nov 75

Chronic anemia, wound healing, and red cell 2,3-diphosphoglycerate. Fong TP, et al. **Surgery** 79(02):218–23, Feb 76

Gastric mucosal contraction. Rosin RD, et al. **Surgery** 79(5):560–3, May 76

An experimental study of gastric healing following scalpel and diathermy incisions. Rosin RD, et al. **Surgery** 79(5):555–9, May 76

Rejection and repair of endothelium in major vessel transplants. Williams GM, et al. **Surgery** 78(6):694–706, Dec 75

Proceedings: Recovery of the venous wall from leukocyte induced injury. Stewart GJ, et al. **Thromb Diath Haemorrh** 34(1):330–1, 30 Sep 75

Late hyphema due to wound vascularization. Swan KC. **Trans Am Acad Ophthalmol Otolaryngol** 81(1):OP138–44, Jan–Feb 76

Electromicroscopical examinations at the early period of the wound healing. Buris L, et al. **Verh Anat Ges** 68:507–12, 1974

Experimental study on the articular cartilage injured by minor cyclical impulsion. Fukushima M. **Yonago Acta Med** 19(2):121–37, Aug 75

Cell patterns in open wound healing. Light and electron microscopic observations. Kim CS, et al. **Yonsei Med J** 16(2):83–92, 1975

[Investigation of the inflammatory-exsudative stage of healing in humans by means of liquid crystals (author's transl)] Mann M, et al. **Cas Lek Cesk** 115(6):165–9, 13 Feb 76 (Eng. Abstr.) (Cze)

[Wound healing following resection of the root apex in the dog. I. Results of findings in the light microscope] Svejda J, et al. **Cesk Stomatol** 76(1):4–9, Jan 76 (Cze)

[Wound healing following root apex resection in the dog. II. Results of findings in the scanning electron microscope] Svejda J, et al. **Cesk Stomatol** 76(2):81–8, Mar 76 (Eng. Abstr.) (Cze)

[Healing of stress damage to gastric mucosa in the rat] Antalovská Y, et al. **Sb Ved Pr Lek Fak Karlovy Univ [Suppl]** 17(1–2):11–4, 1974 (Cze)

[The healing process in duodenal wounds treated by an intestinal 'patch'. An experimental study (author's transl)] Juvara I, et al. **Ann Chir** 29(12):1107–12, Dec 75 (Eng. Abstr.) (Fre)

[Repair of connective tissue] Delaunay A, et al. **Arch Ophtalmol (Paris)** 35(2):115–26, Feb 75 (Fre)

[Comparative experimental study of inverting and everting sutures in the colon] Ortiz H, et al. **J Chir (Paris)** 109(5–6):691–6, May–Jun 75 (Eng. Abstr.) (Fre)

[Telethermography in plastic surgery] Donati L. **J Radiol Electrol Med Nucl** 56 suppl 1:55, 1975 (Fre)

[Energy and cicatrization] Vilain R. **Nouv Presse Med** 4(21):1585–6, 24 May 75 (Fre)

[Infection and cicatrization] Vilain R. **Nouv Presse Med** 4(21):1579–84, 24 May 75 (Fre)

[Cicatrization and function] Vilain R. **Nouv Presse Med** 4(21):1587–8, 24 May 75 (Fre)

[Cicatrization and esthetics] Vilain R. **Nouv Presse Med** 4(21):1589–91, 24 May 75 (Fre)

[Histologic study of the process of tissue repair after osteoplasty. Role of the periosteum and the ligament] Roth JJ, et al. **Rev Odontostomatol (Paris)** 4(6):497–505, Nov–Dec 75 (Fre)

[Morphology of the corneal endothelium under normal conditions and during regeneration after mechanical injury] Schierhölter R, et al. **Adv Ophthalmol** 31:34–99, 1975 (Eng. Abstr.) (Ger)

[Experimental fluorescein angiographic and microscopic investigations on laser treated rat eyes (author's transl)] Baurmann H, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(1):39–44, 1 Apr 76 (Eng. Abstr.) (Ger)

[Effects of Candida albicans on wound-healing in an animal model (author's transl)] Dorn M, et al. **Arch Dermatol Res** 256(2):205–12, 27 Aug 76 (Eng. Abstr.) (Ger)

[Causes and treatment of delayed callusformation and pseudarthrosis following fractures of the shaft of the humerus (author's transl)] Klems H, et al. **Arch Orthop Unfallchir** 85(2):181–8, 23 Jul 76 (Eng. Abstr.) (Ger)

[Changes in the LDH-isoenzyme pattern during wound healing] Bode G, et al. **Beitr Gerichtl Med** 33:107–11, 1975 (Eng. Abstr.) (Ger)

[Histological research on the effect of viruses on wound healing] Brückner WL, et al. **Chirurg** 47(8):455–7, Aug 76 (Eng. Abstr.) (Ger)

[Primary healing of intraoral bone defects under the effect of local and general antibacterial prophylaxis] Handtmann S, et al. **Dtsch Zahnaerztl Z** 31(7):566–70, Jul 76 (Eng. Abstr.) (Ger)

[Pre and postoperative determination of the gingival sulcus fluid for the control of the healing process after periodontal surgery] Krekeler G. **Dtsch Zahnaerztl Z** 31(3):228–31, Mar 76 (Eng. Abstr.) (Ger)

[Angiographic evaluation of abnormal fracture repair (author's transl)] Grepl J. **Fortschr Geb Roentgenstr Nuklearmed** 124(1):23–9, Jan 76 (Eng. Abstr.) (Ger)

[Autoradiographic studies on the epithelialization of mucosa wounds in animal experiments] Kirschner H, et al. **Fortschr Kiefer Gesichtschir** 20:89–92, 1976 (Ger)

[Animal experiments and clinical studies on the replacement of mouth mucosa with lyophilized dura] Reuther J, et al. **Fortschr Kiefer Gesichtschir** 20:97–100, 1976 (Ger)

[Microangiographic examination of burn wound revascularization] pp. 285–91. Härtwig J, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** (Ger)

[Behavior of split skin transplantation upon fresh excised and granulated wounds] pp. 293–5. Haussmann P, et al. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** (Ger)

[Histopathology of wound healing after burning] pp. 173–81. Walther D. **In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973.** (Ger)

[Wound elasticity following various suture technics as well as studies on skin elasticity in man] Benfer J, et al. **Langenbecks Arch Chir** Suppl:177–9, 1975 (Ger)

[Healing process of colonic anastomosis after contamination with Staphylococcus aureus (author's transl)] Langer S, et al. **Langenbecks Arch Chir** 341(1):1–9, 4 Jun 76 (Eng. Abstr.) (Ger)

[The history of wound dressings (author's transl)] Schadewaldt H. **Langenbecks Arch Chir** 339:573–85, Nov 75 (Eng. Abstr.) (Ger)

[Spontaneous peripheral proteolysis as a disturbing factor (author's transl)] Greuer W, et al. **Med Klin** 70(41):1651–4, 10 Oct 75 (Eng. Abstr.) (Ger)

[Formation of cicatrix following transverse section of the spinal cord] Galabov G, et al. **Verh Anat Ges** 69:543–9, 1975 (Eng. Abstr.) (Ger)

[Experience with the framycetin-containing wound gauze Sofra-Tüll in the 'minor surgery'] Hofmann G. **Z Allgemeinmed** 51(32):1492–5, 20 Nov 75 (Ger)

[The effect of adaptation to anoxia on the wound healing processes in the heart. (Experimental autoradiographic studies)] Kranz D, et al. **Z Alternsforsch** 30(1):67–74, 1975 (Ger)

[Experimental study on epithelization] Tronnier H. **Z Hautkr** 50(22):925–9, 15 Nov 75 (Ger)

[Histological studies of the healing of chronically inflamed middle ear mucosa after tympanoplasty (author's transl)] Schöndorf J. **Z Laryngol Rhinol Otol** 53(1):33–44, Jan 74 (Eng. Abstr.) (Ger)

[The alcaline serumphosphatase activity from adult and children after osteotomies (author's transl)] Schmitt O. **Z Orthop** 113(6):1096–100, Dec 75 (Eng. Abstr.) (Ger)

[Healing of bone defects following removal of osteosynthesis screws] Matter P, et al. **Z Unfallmed Berufskr** 68(2):104–7, 1975 (Ger)

[Histological studies on the healing of mandibular osteotomies in the dog following stable osteosynthesis with the cold polymerizing polymethylmethacrylate 'Kallokryl K'] Pinkert R, et al. **Zahn Mund Kieferheilkd** 63(4):342–8,

1975 (Ger)
[Acquired factor XIII deficiency and postoperative aseptic wound healing disorders] Fürstenberg HS, et al. **Zentralbl Chir** 100(13):806–11, 1975 (Ger)
[Coagulation physiological and immunological possibilities and perspectives for the prophylaxis of postoperative wound healing disorders and infections] Gierhake FW, et al. **Zentralbl Chir** 100(13):797–805, 1975 (Ger)
[Ultrasonic quenching measurement—possibility for monitoring the healing of bone fractures] Päzolt HJ, et al. **Zentralbl Chir** 100(23):1444–9, 1975 (Ger)
[Problem of optimal wound healing] Schmitt W. **Zentralbl Chir** 100(19):1153–61, 1975 (34 ref.) (Ger)
[Histological changes on the wound- and ablatic-areas of the placenta in uterus during the after-labor period] Slunsky R. **Zentralbl Gynaekol** 98(11):647–59, 1976 (Eng. Abstr.) (Ger)
[Wound care and after treatment following peridontal surgical interventions] Plagmann HC. **ZWR** 84(9):422–4, 10 May 75 (Ger)
[Primary healing of the perineal wound after proctectomy] Moscona AR, et al. **Harefuah** 90(2):57–8, 15 Jan 76 (Eng. Abstr.) (Heb)
Interrelationship between plasminogen activator activity and tissue repair of the bladder (author's transl)] Sugiura H, et al. **Jpn J Urol** 66(10):689–93, Oct 75 (Eng. Abstr.) (Jpn)
[Healing of brain wound (author's transl)] Kitamura K, et al. **Neurol Surg (Tokyo)** 4(2):107–14, Feb 76 (Jpn)
[Healing and treatment of diaphyseal fractures] Sudmann E. **Tidsskr Nor Laegeforen** 96(7):415–9, 10 Mar 76 (Eng. Abstr.) (Nor)
[Wound healing of the skin and tongue in guinea pigs after treatment with tissue glue Fixacryl] Jarzynka W, et al. **Czas Stomatol** 29(5):427–8, 1976 (Eng. Abstr.) (Pol)
[Healing of surgical wounds in relation to the early removal of dressings and sutures] Dybicki J, et al. **Pol Przegl Chir** 48(4):467–74, Apr 76 (Eng. Abstr.) (Pol)
[Experimental studies of sutured arterial wounds] Majewski W, et al. **Pol Przegl Chir** 48(4):493–9, Apr 76 (Eng. Abstr.) (Pol)
[Use of 3M adhesive tapes in the treatment of wounds] Smolarek F, et al. **Polim Med** 5(2):123–6, 1975 (Eng. Abstr.) (Pol)
[Myringoplasty by stimulation of self-repair of the tympanic membrane] Hociotă D. **Rev Chir [Otorinolaringol]** 19(5):341–5, Oct-Dec 74 (Eng. Abstr.) (Rum)
[Hormonal stimulation of the reparative process in the skin or fats with vitamin A deficiency] Khomullo GV, et al. **Arkh Anat Gistol Embriol** 70(1):62–6, Jan 76 (Eng. Abstr.) (Rus)
[Morphology of the reparative processes in the early period following chemical burns of the esophagus] Sapozhnikova MA. **Arkh Patol** 37(8):25–32, 1975 (Eng. Abstr.) (Rus)
[Reaction of rat embryo tissues to mechanical trauma and to infection with Staphylococcus aureus (strain 209)] Belen'kaia SI. **Biull Eksp Biol Med** 80(7):115–8, Jul 75 (Eng. Abstr.) (Rus)
[Completeness of skin regeneration] Efimov EA. **Biull Eksp Biol Med** 81(3):368–70, Mar 76 (Eng. Abstr.) (Rus)
[Carcinoembryonic antigen in rat blood serum in nonspecific intestinal disease] Pozharisskiĭ KM, et al. **Biull Eksp Biol Med** 81(4):467–70, 1976 (Eng. Abstr.) (Rus)
[Comparative characteristics of the healing of surgical wounds of the urinary bladder caused by laser irradiation and a surgical scalpel] Troitskiĭ RA, et al. **Eksp Khir Anesteziol** (1):54–7, 1976 (Eng. Abstr.) (Rus)
[Current concepts of the course of the wound process and wound treatment (literature survey)] Fedorov VD, et al. **Khirurgiia (Mosk)** (4):136–41, Apr 75 (78 ref.) (Rus)
[Liver wound healing in acute radiation injuries] Guseva LN, et al. **Khirurgiia (Mosk)** (1):45–8, Jan 76 (Eng. Abstr.) (Rus)
[Treatment of granulating wounds with applications of desoxycorticosterone] Saakian TsA. **Khirurgiia (Mosk)** (2):131–2, Feb 76 (Rus)
[Theoretical and practical aspects of wound healing (survey of foreign literature)] Tolstykh PI, et al. **Khirurgiia (Mosk)** (12):98–105, Dec 75 (112 ref.) (Rus)
[Evolution of survival of total non-free homotransplants of the knee joint] Zakharia K. **Ortop Travmatol Protez** (2):20–5, Feb 76 (Eng. Abstr.) (Rus)
[Characteristics of surgical wound healing in patients with osteo-articular tuberculosis] Markov NA. **Probl Tuberk** (10):55–9, 1975 (Eng. Abstr.) (Rus)
[Healing of the laser-inflicted wound of the urinary bladder under experimental conditions] Troitskiĭ RA, et al. **Urol Nefrol (Mosk)** (6):35–7, Nov-Dec 75 (Eng. Abstr.) (Rus)
[Histological study of the process of healing of a surgical wound of the conjunctiva in different variants of flap formation] Shmyreva VF, et al. **Vestn Oftalmol** (1):64–5, 1976 (Eng. Abstr.) (Rus)
[Pathomorphological studies in experimental iridoplasty] Surkova VK, et al. **Vestn Oftalmol** (1):34–8, 1976 (Eng. Abstr.) (Rus)
[Healing of infected wounds when the body's reactivity is altered] Shaposhnikov LuG, et al. **Voen Med Zh** (4):24–8, Apr 76 (Rus)
[Morphological characteristics of tissue reaction to acetate thread in experimental studies] Ter-Kasparova MR, et al. **Zh Eksp Klin Med** 15(6):26–33, 1975 (Rus)
[Contractility of the human uterus with a cesarean section scar (author's transl)] Velasco VR, et al. **Reproduccion** 1(4):407–17, Oct-Dec 74 (Eng. Abstr.) (Spa)
[The effect of prolonged painful stimulation on the rate of experimental skin wound healing in rats] Morozova IO. **Fiziol Zh** 20(6):827–8, Nov-Dec 74 (Ukr)

DRUG EFFECTS

Employment of collagen preparations for treatment of large skin wounds (clinico-experimental study). Shekhter AS, et al. **Acta Chir Plast (Praha)** 17(3):159–69, 1975
Vitamin A acid and wound healing. Klein P. **Acta Derm Venereol [Suppl] (Stockh)** 74:171–3, 27–29 Jan 75
Effects of oestradiol-17 beta benzoate treatment on fracture healing and bone collagen synthesis in female rats. Langeland N. **Acta Endocrinol (Kbh)** 80(3):603–12, Nov 75
Glucocorticoid effect on repair processes in vascular connective tissue. Morphological examination and biochemical studies on collagen RNA and DNA in rabbit aorta. Manthorpe R, et al. **Acta Endocrinol (Kbh)** 80(2):380–97, Oct 75
The effect of lysosomal proteins of granulocytes and macrophages on healing of surgical wounds in guinea pigs. Tchórzewski H, et al. **Acta Med Pol** 17(1):41–54, 1976
Use of free fat transplants to prevent epidural scar formation. An experimental study. Kiviluoto O. **Acta Orthop Scand [Suppl]** (164):3–75, 1976
The effects of histamine liberators and exogenous histamine on wound healing in rat. Dabrowski R, et al. **Agents Actions** 5(4):311–4, Oct 75
Effects of prophylactic antibiotics on colonic healing. LeVeen HH, et al. **Am J Surg** 131(1):47–53, Jan 76
Studies in burns: XIV, Heling in burn wounds treated with Ethyl Linoleate alone or in combination with selected topical antibacterial agents. Jelenko C, et al. **Ann Surg** 182(5):562–6, Nov 75
Indomethacin-induced delayed fracture healing. Sudmann E, et al. **Arch Orthop Unfallchir** 85(2):151–4, 23 Jul 76
The effect of methionine on colonic wound healing in malnourished rats. Irvin TT. **Br J Surg** 63(3):237–40, Mar 76
Effects of cyclophosphamide and adriamycin on the healing of surgical wounds in mice. Cohen SC, et al. **Cancer** 36(4):1277–81, Oct 75
Drug interaction between asiaticoside and some anti-inflammatory drugs in wound healing of the rat. Velasco M, et al. **Curr Ther Res** 19(1):121–5, Jan 76
The effect of indomethacin on tooth extraction wound healing in rats. Huusko PJ, et al. **Experientia** 31(9):1056–8, 15 SEP 75
Control of wound healing with cortisone and vitamin A. pp. 497–508. Hunt TK.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 161u 1973.
Indications for the use of Triamcinolone in control of wound healing. pp. 461–76. Ketchum LD, et al.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 161u 1973.
Studies on Cissus quadrangularis in experimental fracture repair: effect on chemical parameters in blood. Chopra SS, et al. **Indian J Med Res** 63(6):824–8, Jun 75
Effect of chlorhexidine on gingival wound healing in the dog. A histometric study. Hamp SE, et al. **J Clin Periodontol** 2(3):143–52, Aug 75
The effect of triiodothyronine in healing of deep dermal burns and marginal scars of skin grafts. A histologic study. Mehregan AH, et al. **J Cutan Pathol** 1(3):113–6, 1974
Fracture healing in rats treated with diphenylhydantoin (Dilantin). Frymoyer JW. **J Trauma** 16(5):368–70, May 76
Haemostasis and healing following median sternotomy. Brightmore TG, et al. **Langenbecks Arch Chir** Suppl:39–41, 1975
Letter: Trifoliumin. Mochnacka S. **NZ Med J** 82(554):429–30, 24 Dec 75
Penicillamine and wound healing—a potential hazard? Burry HC. **Postgrad Med J** 50 Suppl 2:75–6, Aug 74
The effect of chlorhexidine mouthrinse on healing after gingivectomy. Langebaek J, et al. **Scand J Dent Res** 84(4):224–8, Jul 76
Effect of lysyl oxidase inhibition of healing wounds. Arem AJ, et al. **Surg Forum** 26:67–9, 1975
Effect of colchicine on cross-linking of collagen in rats. Blau SA, et al. **Surg Forum** 26:65–7, 1975
Zinc and wound healing. Lee PW, et al. **Surg Gynecol Obstet** 143(4):549–54, Oct 76
Evaluation of the effects of topical insulin on wound-healing in the distal limb of the horse. Edmonds T. **Vet Med Small Anim Clin** 71(4):451–7, Apr 76
[Contribution to the influence of calcitonine on experimental fractures (author's transl)] Kolář J, et al. **Acta Chir Orthop Traumatol Cech** 43(3):193–9, Jun 76 (Eng. Abstr.) (Cze)
[Induced retardation of healing by means of beta-aminopropionitrile (BAPN) (author's transl)] Uher J. **Acta Chir Orthop Traumatol Cech** 42(5):401–10, Oct 75 (Eng. Abstr.) (Cze)
[The effect of age and drugs on the course of skin wound healing in humans (author's transl)] Mann M, et al. **Cas Lek Cesk** 115(28):841–6, 16 Jul 76 (Eng. Abstr.) (Cze)
[Healing of intestinal sutures after administration of antibiotics and cortisone in experiments (author's transl)] Mann M, et al. **Cesk Gastroenterol Vyz** 29(5):314–9, Jul 75 (Eng. Abstr.) (Cze)
[Effect of cyclophosphamide on the course of healing of intestinal sutures with regard to age] Mann M. **Cesk Gastroenterol Vyz** 30(2):81–90, Mar 76 (Eng. Abstr.) (Cze)
[Corneal perforation of hepatic origin after corticotherapy. Optic and electron microscopic study] Offret H, et al. **Bull Mem Soc Fr Ophtalmol** (87):38–43, 1976 (Fre)
[Autoradiographic investigation into the influence of factor XIII on wound healing in the animal experiment (author's transl)] Knoche H, et al. **Arzneim Forsch** 26(4):547–51, Apr 76 (Eng. Abstr.) (Ger)
[The effect of local treatment on the epithelization of experimental defects in the human skin] Tronnier H, et al. **Hautarzt** 26(7):370–3, Jul 75 (Ger)
[Possible influence by lathyrogenic agents in the articulation range of burn contracture] pp. 303–7. Berger A, et al.
In: Höhler H, ed. Plastische und Wiederherstellungs-Chirurgie. Stuttgart, Schattauer, 1975. WO 600 P715 1973. (Ger)
[The effect of Actihaemyl on epithelial regeneration (author's transl)] Holtmann HW, et al. **Klin Monatsbl Augenheilkd** 167(3):437–41, Sep 75 (Eng. Abstr.) (Ger)
[Animal experiment studies on the effect of vitamin A on cortisol-induced wound healing disorders] Seitz HD, et al. **Langenbecks Arch Chir** Suppl:181–5, 1975 (Eng. Abstr.) (Ger)
[Hormonal tendolysis in animal experiment] Walcher K, et al. **Langenbecks Arch Chir** Suppl:187–90, 1975 (Eng. Abstr.) (Ger)
[The therapeutic possibilities in the prevention of pedicle flap necrosis] Härtwig J, et al. **Med Welt** 27(3):124–6, 16 Jan 76 (Ger)
[Human growth hormone in fractures of long bones with delayed fracture healing. Fractures of tibial diaphysis and other bone injuries] Koskinen EV, et al. **Med Welt** 26(42):1905–10, 17 Oct 75 (Ger)
[Management of poorly healing leg ulcers] Winkler A. **Med Welt** 26(52):2338–40, 26 Dec 75 (Ger)
[Moist antiseptic treatment of wounds using Cidegol] Strothmann R. **Z Aerztl Fortbild (Jena)** 69(13):696–700, 1 Jul 75 (Ger)
[The role of increased metabolism in the mouth mucosa in pain and tissue lesions. 1. Introduction of a new drug] Henning G, et al. **ZWR** 85(3):116–20, 10 Feb 76 (Ger)
[The effect of chitin powder on the healing of skin wounds] Ervin V. **Magy Traumatol Orthop** 19(2):108–14, 1976 (Eng. Abstr.) (Hun)
[The action of chemotherapy on cicatrization processes] Paolucci R, et al. **Tumori** 61(5):441–6, Sep-Oct 75 (Eng. Abstr.) (Ita)
[Letter: Indomethacin and fracture healing. Risk of delayed healing and development of pseudarthrosis] Sudmann E. **Tidsskr Nor Laegeforen** 96(1):52, 10 Jan 76 (Nor)
[Comparative studies on the effectiveness of water-paraffin suspensions of albucid with prednisolone and of albucid and prednisone drops in children following eye surgery] Niebrój TK, et al. **Klin Oczna** 46(3):301–3, Mar 76 (Eng. Abstr.) (Pol)
[Comparative studies on the healing of burn wounds following administration of small doses of electrolytes] Kopeć J, et al. **Pol Tyg Lek** 31(20):837–9, 17 May 76 (Eng. Abstr.) (Pol)
[Healing of intestinal anastomoses during pharmacologically produced clotting disorders] Schier J, et al. **Pol Tyg Lek** 31(21):877–9, 24 May 76 (Eng. Abstr.) (Pol)
[An autoradiographic and electron microscopic study of fibroblasts under conditions of stimulation of the wound process] Dudnikova GN, et al. **Arkh Patol** 38(4):13–8, Apr 76 (Eng. Abstr.) (Rus)
[Stimulation of fibrillogenesis in granulation tissue] Dudnikova GN, et al. **Biull Eksp Biol Med** 80(12):96–9, Dec 75 (Eng. Abstr.) (Rus)
[Skin regeneration and metabolic level on administration of thyrostimulin] Khomullo GV, et al. **Biull Eksp Biol Med** 81(4):480–2, 1976 (Eng. Abstr.) (Rus)
[Treatment of wounds with antioxidants] Kamaev MF. **Khirurgiia (Mosk)** (4):52–5, Apr 75 (Eng. Abstr.) (Rus)
[Stimulating role of methyluracil in tendon regeneration] Rozovskaia TP, et al. **Ortop Travmatol Protez** (11):47–8, Nov 75 (Rus)
[Means of reactivation of the processes of regeneration in the aged organism] Zapadniuk VI, et al. **Vestn Akad Med Nauk SSSR** (12):40–2, 1975 (Eng. Abstr.) (Rus)
[Morphological characteristics of healing of histamine-induced ulcers under the effect of desoxycorticosterone] Liashko NA, et al. **Vrach Delo** (9):47–51, Sep 75 (Eng. Abstr.) (Rus)
[Effects of placental lactogenic hormone or somatomammogenic chorionic hormone on plasma proteins of the tensive resistance of colic anastomosis] Perán S, et al. **Rev Iber Endocrinol** 22(130):325–33, Jul-Aug 75 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

The effects of preoperative irradiation on primary tracheal

anastomosis. Tsubota N, et al. **Ann Thorac Surg** 20(2):152–60, Aug 75

The effect of delaying radiation on wound healing. Blytne JG, et al. **Gynecol Oncol** 3(3):210–4, Sep 75

Wound healing in X-irradiated mammalian skin. Gonsalves NI, et al. **TIT J Life Sci** 5(3–4):77–86, 1975

[Histomorphological study of wound regeneration in animals irradiated for a long time with low-intensity microwaves] Shaposhnikov IuG, et al. **Biull Eksp Biol Med** 80(8):116–8, Aug 75 (Eng. Abstr.) **(Rus)**

WOUND INFECTION

Infection in war wounds: experience during the 1973 October War in Israel. Simchen E, et al. **Ann Surg** 182(6):754–61, Dec 75

Localized Clostridium welchii wound infection ('Welch abscess') following a skin abrasion. Hulme JR. **Br J Clin Pract** 29(10):273–4, Oct 75

Wound sepsis. pp. 5–9. Altemeier WA. **In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 161u 1973.**

[Infection and cicatrization] Vilain R. **Nouv Presse Med** 4(21):1579–84, 24 May 75 **(Fre)**

[Effects of Candida albicans on wound-healing in an animal model (author's transl)] Dorn M, et al. **Arch Dermatol Res** 256(2):205–12, 27 Aug 76 (Eng. Abstr.) **(Ger)**

[Clinical course and treatment of infected wounds] Shaposhnikov IuG, et al. **Khirurgiia (Mosk)** (2):8–14, Feb 76 **(Rus)**

BLOOD

A method for determining plasma proteins in inflammatory exudate absorbed by Sephadex. Ganrot K, et al. **Scand J Plast Reconstr Surg** 10(1):73–6, 1976

COMPLICATIONS

A case of grossly infected fracture of the mandible. Hall TJ. **J R Nav Med Serv** 61(2):89–91, Summer 75

Pseudomonas osteomyelitis following puncture wounds. MacKinnon AE. **Postgrad Med J** 51(591):33–4, Jan 75

Acute rheumatic fever following streptococcal wound infection. Popat KD, et al. **Postgrad Med J** 52(605):165–70, Mar 76

[Post-traumatic meningitis due to Pasteurella multocida] Schreckenbach G, et al. **Z Gesamte Inn Med** 31(14):552–3, 15 Jul 76 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Isolation of Vibrio alginolyticus from wound infections. Rubin SJ, et al. **J Clin Microbiol** 2(6):556–8, Dec 75

DRUG THERAPY

Management of amputation-stump breakdown. Kerstein MD. **Am Surg** 41(9):581–3, Sep 75

Gentamicin sulfate in infections associated with surgery or trauma. Cunha BA, et al. **Curr Ther Res** 19(5):529–37, May 76

The protective role of intraperitoneal antibiotic irrigation in contaminated penetrating wounds of the cecum. Rakower SR, et al. **Surgery** 80(3):405–10, Sep 76

Evaluation of a prototype therapeutic system for prolonged, continuous topical delivery of homosulfanilamide in the management of Pseudomonas burn wound sepsis. Vistnes LM, et al. **Surgery** 79(6):690–6, Jun 76

[Treatment of pseudomonas infection following burn injuries with specific antitoxic Ig-therapy] Städtler K, et al. **Langenbecks Arch Chir** Suppl:169–72, 1975 (Eng. Abstr.) **(Ger)**

[Basic principles of pharmacotherapy of infected wounds] Schafer H. **ZFA** 52(17):884–9, 20 Jun 76 **(Ger)**

[Experimental therapy of burn infection caused by pyocyanic bacilli] Girich AF, et al. **Farmakol Toksikol** 39(1):90–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

[Use of enteroseptol in out-patient surgery for treatment of suppurative processes] Zheleznyak BS, et al. **Khirurgiia (Mosk)** (4):59–61, Apr 75 (Eng. Abstr.) **(Rus)**

[Electrophoresis of antibiotics combined with surface-active substances in the treatment of infected wounds (experimental study)] Afinogenov GE, et al. **Ortop Travmatol Protez** (1):69–71, Jan 76 **(Rus)**

ETIOLOGY

A critical study of Lister's work on antiseptic surgery. Toledo-Pereyra LH, et al. **Am J Surg** 131(6):736–44, Jun 76

Does the choice of suture material affect the incidence of wound infection? A comparison of dexon (polyglycolic acid) sutures with other commonly used sutures in an accident and emergency department. Mouzas GL, et al. **Br J Surg** 62(12):952–5, Dec 75

Bacterial contamination of skin used as a biological dressing. A potential hazard. Monafo WW, et al. **JAMA** 235(12):1248–9, 22 Mar 76

[Burn wound and its role in the development of general infection process] Kaem RI, et al. **Khirurgiia (Mosk)** (2):28–32, Feb 76 (Eng. Abstr.) **(Rus)**

[Sequelae of vascular injuries. Report of 50 cases] Martinez GO, et al. **Angiologia** 27(5):271–21, Sep–Oct 75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Experimental evidence for a significant impairment of host defense for gram-negative organisms by a specific cutaneous toxin produced by severe burn injuries. Schoenenberger GA, et al. **Surg Gynecol Obstet** 141(4):555–61, Oct 75

[Healing of infected wounds when the body's reactivity is altered] Shaposhnikov IuG, et al. **Voen Med Zh** (4):24–8, Apr 76 **(Rus)**

METABOLISM

Quantitation of local acidosis and hypoxia produced by infection. Raju R, et al. **Am J Surg** 132(1):64–6, Jul 76

Collagen metabolism in infected colonic anastomoses. Irvin TT. **Surg Gynecol Obstet** 143(2):220–4, Aug 76

MICROBIOLOGY

The quantitative swab culture and smear: A quick, simple method for determining the number of viable aerobic bacteria on open wounds. Levine NS, et al. **J Trauma** 16(2):89–94, Feb 76

The zygomycete Saksenaea vasiformis as a pathogen of humans with a critical rewiew of the etiology of zygomycosis. Ajello L, et al. **Mycologia** 68(1):52–62, Jan–Feb 76

Antibiotic sensitivity of pathogens from infected skin lesions. Bremner DA, et al. **NZ Med J** 82(545):83–5, 13 Aug 75

The bacteriology of intra-abdominal infections. Lorber B, et al. **Surg Clin North Am** 55(6):1349–54, Dec 75

[Etiology of bacterial infections in superficial and deep wounds] Armani G, et al. **G Batteriol Virol Immunol** 67(7–12):219–30, Jul–Dec 74 (Eng. Abstr.) **(Ita)**

[Proteolytic microorganisms in burn wounds] Bukowska D, et al. **Pol Tyg Lek** 30(43):1779–82, 27 Oct 75 (Eng. Abstr.) **(Pol)**

[Isolation of beta-hemolytic streptococci from wounds and inflammation foci under condition of daily work in the laboratories of clinical bacteriology] Kaplan AE, et al. **Lab Delo** (4):248–50, 1975 **(Rus)**

MORTALITY

The effect of early surgical excision and homografting on survival of burned rats and of intraperitoneally-infected burned rats. Levine NS, et al. **Plast Reconstr Surg** 56(4):423–9, Oct 75

PHYSIOPATHOLOGY

Pathophysiologic determinants and prediction of sepsis. Meakins JL. **Surg Clin North Am** 56(4):847–57, Aug 76

Dissemination and causes of infection. Polk HC Jr, et al. **Surg Clin North Am** 56(4):817–29, Aug 76

PREVENTION & CONTROL

Antibiotic prophylaxis in penetrating injuries of the eye. Parunovic AB, et al. **Albrecht von Graefes Arch Klin Ophthalmol** 199(3):277–9, 26 May 76

Prevention of wound infections. A case for closed suction drainage to remove wound fluids deficient in opsonic proteins. Alexander JW, et al. **Am J Surg** 132(1):59–63, Jul 76

Pharmacokinetics of a new skin wound cleanser. Rodeheaver G, et al. **Am J Surg** 132(1):67–74, Jul 76

The role of prophylactic antibiotics in burn care. Larkin JM, et al. **Am Surg** 42(4):247–50, Apr 76

Effects of antibiotics on prevention of infection in contaminated abdominal operations. Matolo NM, et al. **Am Surg** 42(2):123–7, Feb 76

Prevention of infection in war chest injuries. Romanoff H. **Ann Surg** 182(2):144–9, Aug 75

Topical chemoprophylaxis with silver sulphadiazine and silver nitrate chlorhexidine creams: emergence of sulphonamide-resistant Gram-negative bacilli. Lowbury EJ, et al. **Br Med J** 1(6008):493–6, 28 Feb 76

Prevention of tetanus in the wounded. Smith JW, et al. **Br Med J** 3(5981):453–5, 23 Aug 75

In situ production of a synthetic barrier dressing for burn wounds in rats. Nathan P, et al. **Infect Immun** 12(2):257–60, Aug 75

The influence of route of administration on wound fluid concentration of prophylactic antibiotics. Alexander JW, et al. **J Trauma** 16(6):488–95, Jun 76

Letter: Surgical masks during laceration repair. Caliendo JE. **JACEP** 5(4):278–9, Apr 76

Cleansing the traumatic wound by high pressure syringe irrigation. Stevenson TR, et al. **JACEP** 5(1):17–21, Jan 76

Letter: Cyclone tracy. Gurner CM, et al. **Med J Aust** 2(20):780, 15 Nov 75

Contamination of the operative wound. Fitzgerald RH Jr, et al. **Orthop Clin North Am** 6(4):1105–14, Oct 75

Chemoprophylaxis of infection in burns with sulfamylon acetate. Müller FE. **Panminerva Med** 14(6):159–61, Jun 72

The use of antibiotics in open fractures. Patzakis MJ. **Surg Clin North Am** 55(6):1439–44, Dec 75

Wound cleansing by high pressure irrigation. Rodeheaver GT, et al. **Surg Gynecol Obstet** 141(3):357–62, Sep 75

A new biomaterial for the control of infection in the burn wound. Nathan P, et al. **Trans Am Soc Artif Intern Organs** 22:30–41, 1976

[Gas gangrene. Value of preventive treatment (apropos of 19 cases)] Baron D, et al. **Anesth Analg (Paris)** 32(5):725–35, Sep–Oct 75 **(Fre)**

[Use of antibiotics in burned patients] Sépétjian M, et al. **Ann Anesthesiol Fr** 15(3):205–9, 1974 (Eng. Abstr.) **(Fre)**

[Is an active immunization against pseudomonas aeruginosa in burns justifiable?] Zellner PR, et al. **Chirurg** 46(10):462–66, Oct 75 (Eng. Abstr.) **(Ger)**

[Use of plastubol for the treatment of burns] Vinogradova OI, et al. **Khirurgiia (Mosk)** (4):30–3, Apr 75 (Eng. Abstr.) **(Rus)**

[Bacterial flora and preventive antibiotic treatment in open fractures] Deviatov AA, et al. **Vestn Khir** 114(1):82–6, Jan 75 (Eng. Abstr.) **(Rus)**

SURGERY

Long-term follow-up of a series of infected fractures of the tibia. Hicks JH. **Injury** 7(1):2–7, Aug 75

Technique for primary closure of infected wounds of the orofacial region. Baurmash H, et al. **J Oral Surg** 34(6):526–32, Jun 76

Amputation as a salvage for patients with incapacitating infected fractures of the lower limbs. Freehafer AA, et al. **J Trauma** 16(1):27–34, Jan 76

[Treatment of infected wounds and ulcers by coherent irradiation] Bogdanovich UIa, et al. **Khirurgiia (Mosk)** (4):56–8, Apr 75 (Eng. Abstr.) **(Rus)**

THERAPY

Infection in the burned upper extremity. Levine NS, et al. **Major Probl Clin Surg** 19:47–62, 1976

A new principle for the cleansing of infected wounds. Jacobsson S, et al. **Scand J Plast Reconstr Surg** 10(1):65–72, 1976

Gas in the wound: what does it mean? Nichols RL, et al. **Surg Clin North Am** 55(6):1289–96, Dec 75

TRANSMISSION

[Small wound—big effect] Werkö L. **Lakartidningen** 73(4):201–2, 21 Jan 76 **(Swe)**

VETERINARY

[Development of wound inflammation in animals and the treatment scheme] Mastyko GS. **Veterinariia** (8):79–81, Aug 75 **(Rus)**

WOUNDS AND INJURIES

see related
DEBRIDEMENT
FIRST AID
TRANSPORT OF WOUNDED AND SICK
TRAUMA CENTERS

Moorgate tube train disaster. Part II. Clinicopathological review. **Br Med J** 3(5986):729–31, 27 Sep 75

Trauma: The leading childhood killer in Canada and elsewhere. Simpson JS. **Clin Pediatr (Phila)** 15(1):313–6, Apr 76

What the pediatrician should know about pediatric trauma. Kottmeier PK. **Curr Probl Pediatr** 6(8):3–55, Jun 76

Riot injuries to policemen. An analysis of 808 policemen injured in rioting between 1969 and 1972 in Northern Ireland. James WV. **Injury** 7(1):41–3, Aug 75

Motorcycle injuries: problem without solution. Dodson CF Jr. **J Arkansas Med Soc** 73(2):115–9, Jul 76

Severe traumatic coma in infancy and childhood: results after surgery and resuscitation. Pagni CA, et al. **J Neurosurg Sci** 19(3):120–8, Jul–Sep 75

Use of a trauma registry in the management of children with life-threatening injuries. Haller JA Jr, et al. **J Pediatr Surg** 11(3):381–90, Jun 76

Bladder trauma in the multiple injured patient. Cass AS. **J Urol** 115(6):667–9, Jun 76

Letter: National Medical Injury Compensation Insurance Act. Kaufman A. **Md State Med J** 24(9):12, Sep 75

High-flyer syndrome: survival after 17-story fall. Kazarian KK, et al. **NY State J Med** 76(6):982–5, Jun 76

The social consequences of accidental injury. Scholz DA. **Papua New Guinea Med J** 18(3):162–5, Sep 76

The recognition and early management of child abuse. Starbuck GW. **Pediatr Ann** 5(3):27–41, Mar 76

Editorial: The American Trauma Society-a challenge and an opportunity. Haynes BW Jr. **Va Med Mon** 102(10):819–20, Oct 75

[20 years of the Traumatological Research Institute in Brno] Kroupa J. **Rozhl Chir** 54(11):790–6, Nov 75 **(Cze)**

[Estimation of working ability in diseases and injuries of the locomotor system] Rokkanen P. **Duodecim** 91(16):971–8, 1975 **(Fin)**

[Bumper injuries in pedestrians] Kaiser G, et al. **Beitr Gerichtl Med** 32:69–72, 1974 (Eng. Abstr.) **(Ger)**

[General legal problems concerning insurance in the evaluation of pre-existing conditions] Hymmen R. **Hefte Unfallheilkd** (121):261–3, 1975 **(Ger)**

[Behavior of the transition elements Cr, Mn, Co, Ni, Cu, and Zn in the serum and urine of polytraumatized intensive care patients] pp. 159–77. Seeling W, et al. **In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974.** **(Ger)**

[Patients with traffic injuries] Bernardini A, et al. **Minerva Med** 66(62):3170–3, 22 Sep 75 **(Ita)**

[Emergencies in the field of surgery] Suda Y. **Hokkaido J Med Sci** 50(3):290–5, May 75 **(Jpn)**

[Analysis of occupational traumatism among cattle breeders and measures for its prevention] Dmitriev AE, et al. **Ortop Travmatol Protez** (11):86–8, Nov 75 **(Rus)**

[Peculiarities of injuries to pedestrians due to derailed trolley-buses] Karelina VI, et al. **Sud Med Ekspert** 18(3):45–6, Jul–Sep 75 (Eng. Abstr.) **(Rus)**

[Organization of traumatological service to patients in the state of alcoholic intoxication] Iumashev GS, et al. **Zdravookhr Ross Fed** (7):20–3, Jul 75 **(Rus)**

[Acute renal failure in polytraumatized patients. Review of our cases] Lopez Martínez J, et al. **Rev Clin Esp** 138(5):407–14, 15 Sep 75 (Eng. Abstr.) **(Spa)**

BLOOD

The function of polymorphonuclear leukocytes after surgical trauma. Bröte L, et al. **Acta Chir Scand** 141(7):565–70, 1975

Albumin turnover in burns and trauma. pp. 403–22. Davies JW.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974.

The acute phase plasma proteins. pp. 381–94. Gordon AH.
In: Bianchi R, et al., ed. Plasma protein turnover. Baltimore, Univ Park Press, 1976. WH 400 P715p 1974. (43 ref.)

[Thalassemic syndromes and abnormal hemoglobulins among surgical and trauma patients] Penev M, et al. **Vutr Boles** 15(2):86–93, 1976 (Eng. Abstr.) **(Bul)**

[Activity of tissue-bound plasminogen activators following polytrauma] Denk S, et al. **Med Welt** 27(18):876–8, 30 Apr 76 **(Ger)**

[Fatty acid patterns of blood lipid fractions. I. The polytraumatic patients] Lohninger A, et al. **Med Welt** 27(18):870–5, 30 Apr 76 **(Ger)**

CLASSIFICATION

[Acute mechanical trauma to permanent teeth. General information, routine clinical examination, laboratory studies] Szymańska-Jachimczak EI. **Czas Stomatol** 28(11):1069–72, Nov 75 (Eng. Abstr.) **(Pol)**

[Method of preparation of input information on the road-transport traumatism for computer processing] Elkin PA, et al. **Ortop Travmatol Protez** (5):65–8, May 75 **(Rus)**

COMPLICATIONS

Trauma, dextran 40 and metastasis formation after intravenous tumour cell injection in rats. Ivarsson L, et al. **Acta Chir Scand** 142(3):226–30, 1976

Effects of lipemia and trauma on experimental fat embolism. Hausberger FX. **Am J Pathol** 84(3):515–20, Sep 76

Injuries to the phrenic nerve resulting in diaphragmatic paralysis with special reference to stretch trauma. Iverson LI, et al. **Am J Surg** 132(2):263–9, Aug 76

Acute post-traumatic respiratory failure treated with prolonged controlled ventilation and complicated with spontaneously healing tracheo-oesophageal fistula. Saladajczyk G, et al. **Anaesth Resusc Intensive Ther** 3(4):361–3, Oct–Dec 75

Pulmonary fat embolism in the traumatised patient: development of a prophylactic programme in a city accident hospital. Zocche GP, et al. **Anaesthesist** 24(9):419–21, Sep 75

Editorial: Preventing tetanus in patients with wounds. Fraser DW. **Ann Intern Med** 84(1):95–7, Jan 76

Preventing tetanus in patients with wounds. Fraser DW. **Ann Intern Med** 84(1):95–7, Jan 76

Fat embolism: physiopathology, diagnosis with management. Weisz GM, et al. **Arch Orthop Unfallchir** 82(3):217–23, 27 Jun 75 (29 ref.)

Letter: Preventing ulcer bleeding in multiple systems failure. Taber RE. **Arch Surg** 111(1):93, Jan 76

Letter: Prevention of tetanus in the wounded. Brown A. **Br Med J** 3(5984):647, 13 Sep 75

Compartmental syndromes following trauma. Holden CE. **Clin Orthop** (113):95–102, Nov–Dec 75

Myositis ossificans traumatica in a young child: a case report. Wilkes LL. **Clin Orthop** (118):151–2, Jul–Aug 76

On bleeding and clotting problems in post-traumatic states. Bergentz SE. **Crit Care Med** 4(2):41–5, Mar–Apr 76

Early recognition and treatment of post-traumatic pulmonary microembolism. Modig J, et al. **Crit Care Med** 4(4):180–5, Jul–Aug 76

Population dynamics of arterial smooth muscle cells. V. Cell proliferation and cell death during initial 3 months in atherosclerotic lesions induced in swine by hypercholesterolemic diet and intimal trauma. Thomas WA, et al. **Exp Mol Pathol** 24(3):360–74, Jun 76

DTPA therapy of 241Am from a simulated wound site. Lloyd RD, et al. **Health Phys** 29(5):808–11, Nov 75

The influence of infection or injury on nutritional requirements during adolescence. pp. 257–78. Beisel WR.
In: McKigney JI, Munro HN, ed. Nutrient requirements in adolescence. Cambridge, Mass., MIT Press, 1976. WS 115 N974 1973. (44 ref.)

Clinical experience in the treatment of staphylococcal septicemias in orpthopedic patients. pp. 137–41. Tsekos GN, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.

Secondary aneurysms caused by traumatic a.v. fistula of long duration. Vollmar J. **J Cardiovasc Surg (Torino)** Spec No:331–5, 1973

Self-inflicted complication in an accident case. Fischer HM. **J Med Soc NJ** 73(3):244–5, Mar 76

Pulmonary function in patients with multiple trauma and associated severe head injury. Abrams JS, et al. **J Trauma** 16(7):543–9, Jul 76

Post-traumatic hepatic dysfunction as a major etiology in post-traumatic jaundice. Champion HR, et al. **J Trauma** 16(08):650–7, Aug 76

A controlled evaluation of prophylactic dialysis in post-traumatic acute renal failure. Conger JD. **J Trauma** 15(12):1056–63, Dec 75

The management of traumatic asphyxia: case report and literature review. Jones MJ, et al. **J Trauma** 16(3):235–8, Mar 76

Traumatic renal artery occlusion: 21 cases. Stables DP, et al. **J Urol** 115(3):229–33, Mar 76

How serious is accidental injury during pregnancy? Buchsbaum HJ. **Med Times** 104(7):134–7, Jul 76

Medicine and the law. Can trauma trigger latent diabetes. Reveno WS. **Postgrad Med** 59(4):231–5, Apr 76

Pulmonary failure after trauma. Lowe RJ, et al. **Surg Annu** 8:63–89, 1976 (130 ref.)

Thrombosis and intravascular coagulation. Coe NP, et al. **Surg Clin North Am** 56(4):875–90, Aug 76

The lung: responses to trauma, surgery, and sepsis. Hirsch EF, et al. **Surg Clin North Am** 56(4):909–28, Aug 76

[Fat globulemia on the background of clinical and laboratory manifestations in the diagnosis of traumatic fat embolism] Kroupa J. **Cas Lek Cesk** 114(25):770–7, 20 Jun 75 (Eng. Abstr.) **(Cze)**

[Respiratory complications in patients with multiple injuries] Lahdensuu M. **Duodecim** 91(20):1193–1202, 1975 **(Fin)**

[Tissue hypoxia in injured patients] Niinikoski J. **Duodecim** 91(20):1184–92, 1975 **(Fin)**

[Posttraumatic renal insufficiency] Slätis P, et al. **Duodecim** 91(20):1213–21, 1975 **(Fin)**

[23 cases of post-operative digestive bleeding or following trauma due to stress lesions of the stomach or duodenum (author's transl)] Janvier G, et al. **Ann Chir** 30(2):97–102, Feb 76 (Eng. Abstr.) **(Fre)**

[Clopirac in traumatology (author's transl)] Dewijze M, et al. **J Belge Rhumatol Med Phys** 30 Spec no:239–46, 1975 (Eng. Abstr.) **(Fre)**

[Prevention and treatment of early thrombosis in injuries] Brunner U. **Phlebologie** 28(1):95–6, Jan–Mar 75 **(Fre)**

[Posttraumatic arthroses of the lower extremities. Pathogenesis and prevention] de Montmollin B. **Z Unfallmed Berufskr** 68(1):22–8, 1975 **(Fre)**

[Anatomo-pathology of posttraumatic arthroses of the lower extremities] Lagier R. **Z Unfallmed Berufskr** 68(1):3–21, 1975 (Eng. Abstr.) **(Fre)**

[Prevention of tetanus in man and animal following injury] Radvila P. **Arch Exp Veterinaermed** 29(3):469–81, Jun 75 (Eng. Abstr.) **(Ger)**

[Trauma and carcinoma--cause and corollary of osteomyelitis (author's transl)] Musil HE. **Arch Orthop Unfallchir** 84(3):257–60, 21 May 76 (Eng. Abstr.) **(Ger)**

[Pelvic fractures as an important element in polytraumatized patients] Arct W. **Hefte Unfallheilkd** (124):298–300, 1975 **(Ger)**

[Neurological problems] Delank HW. **Hefte Unfallheilkd** (121):29–33, 1975 **(Ger)**

[Urologic complications of pelvic fractures in multiple injured patients] Hönig V, et al. **Hefte Unfallheilkd** (124):168–70, 1975 **(Ger)**

[Conservative treatment of pelvic fractures in multiple injured subjects] Kroupa J, et al. **Hefte Unfallheilkd** (124):294–7, 1975 **(Ger)**

[Significance of thoracic injuries in multiple-injured patients] Lenner V, et al. **Hefte Unfallheilkd** (121):256–8, 1975 **(Ger)**

[Hazards due to metabolic disorders. (Kidney, diabetes, liver)] Petrides P. **Hefte Unfallheilkd** (121):25–9, 1975 **(Ger)**

[Significance of injuries to hip joints changed due to prearthrosis and arthrosis] Pick C, et al. **Hefte Unfallheilkd** (121):268–70, 1975 **(Ger)**

[Early recognition of accident-induced respiratory complications in the aged] Reichel G. **Hefte Unfallheilkd** (121):19–21, 1975 **(Ger)**

[Treatment of hip-joint dislocation fractures in multiple injured patients] Vecsei V. **Hefte Unfallheilkd** (124):103–6, 1975 **(Ger)**

[Andrological evaluation following accident injuries] Vogt HJ. **Hefte Unfallheilkd** (121):522–7, 1975 **(Ger)**

[Humoral and cell-mediated immune reactions in chronic posttraumatic osteomyelitis (author's transl)] Ring J, et al. **Infection** 4(2):84–9, 1976 (Eng. Abstr.) **(Ger)**

[Acute and fatal respiratory distress due to trauma in neonates and adults (author's transl)] Schwartz P. **Monatsschr Kinderheilkd** 124(3):136–7, Mar 76 **(Ger)**

[Chronic traumatic arteriovenous fistulae (author's transl)] du Mesnil de Rochemont W, et al. **Roentgenblaetter** 28(11):526–37, Nov 75 (Eng. Abstr.) **(Ger)**

[Studies on combined lesions. 22. Studies on serum proteins by means of CAF-electrophoresis in mice, treated with whole body radiation and with open skin wounds] Henneberg R, et al. **Strahlentherapie** 149(6):636–49, Jun 75 (Eng. Abstr.) **(Ger)**

[The morphology of posttraumatic osteomyelitis (author's transl)] Böhm E, et al. **Unfallheilkunde** 79(4):127–32, Apr 76 (Eng. Abstr.) **(Ger)**

[Abdominal injuries in polytrauma] Wondrák E, et al. **Z Aerztl Fortbild (Jena)** 69(11):606–10, 1 Jun 75 **(Ger)**

[Therapeutic influence of cerebrolysin on the long-term stress barrier after an accident] Wanderka H. **Z Allgemeinmed** (26):1161–6, 20 Sep 75 **(Ger)**

[Arthropathy as a late result of trauma (author's transl)] Horváth F, et al. **Z Orthop** 113(3):361–6, Jun 75 (Eng. Abstr.) **(Ger)**

[Traumatic dislocation of an anomalous coraco-clavicular joint] Levy M. **Harefuah** 89(4):168–9, 15 Aug 75 (Eng. Abstr.) **(Heb)**

[Trauma and myocardial infarct. Some etiopathogenetic observations based on 4 treated cases] Caporicci D, et al. **Minerva Cardioangiol** 24(3):220–40, Mar 76 (Eng. Abstr.) **(Ita)**

[Effects of trauma and metals on the development of soft tissue and bone neoplasms] Witwicki T, et al. **Pol Tyg Lek** 31(8):333–5, 23 Feb 76 **(Pol)**

Overview: psychiatric sequelae to multiple trauma. Schnaper N, et al. **Am J Psychiatry** 133(8):883–90, Aug 76 **(Rus)**

[Diagnosis of the hypercoagulation syndrome and prevention of thromboembolic complications] Pashchuk AIu, et al. **Ortop Travmatol Protez** (1):50–3, Jan 76 (Eng. Abstr.) **(Rus)**

[Metabolic alkalosis in patients following resuscitation] Zolotokrylina ES. **Vestn Khir** 114(4):3–7, Apr 75 (Eng. Abstr.) **(Rus)**

[Resistivity to staphylococcal infection in multiple injuries of the soft tissues] Kozlitskii AP. **Voen Med Zh** (10):25–8, Oct 75 **(Rus)**

[Treatment of facial bone fractures in multiple injuries] Janjatovic T, et al. **Acta Chir Iugosl** 23(1 Suppl):205–6, 1976 **(Ser)**

[Experience with the treatment of traumatic osteomyelitis (author's transl)] Maar D, et al. **Bratisl Lek Listy** 64(3):291–303, Sep 75 (Eng. Abstr.) **(Slo)**

[Round table. Posttraumatic thrombophlebitis] **Angiologia** 28(4):155–67, Jul–Aug 76 **(Spa)**

DIAGNOSIS

Technic for peritoneal dialysis and diagnostic peritoneal lavage. Sachatello CR, et al. **Am J Surg** 131(5):637–40, May 76

On-site triage of mass casualties. pp. 263–6. Prado M.
In: Findeiss JC, ed. Emergency management of the critical patient. New York, Stratton, 1975. W1 EM662H v2 1975.

Primary neurological evaluation of the traumatized patient. Meltzner SD, et al. **J Oral Surg** 34(8):711–4, Aug 76

Violent injuries to the upper ureter. Evans RA, et al. **J Trauma** 16(7):558–61, Jul 76

[Some current problems in the diagnosis and treatment of closed injuries to the kidney] Viktorov I, et al. **Khirurgiia (Sofiia)** 28(3):258–63, 1975 (26 ref.) (Eng. Abstr.) **(Bul)**

[Identification of a burned torso and reconstruction of homicide] Haarhoff K, et al. **Arch Kriminol** 156(5–6):145–52, Nov–Dec 75 **(Ger)**

[Discussion on expert testimony concerning injuries] **Hefte Unfallheilkd** (121):295–6, 1975 **(Ger)**

[Differentiation of ligament and muscle injuries] Jäger M. **Hefte Unfallheilkd** (121):274–7, 1975 **(Ger)**

[Evaluation of pre-existing conditions in expert testimony of accident injuries, changes during the last 15–20 years] Turban KL, et al. **Hefte Unfallheilkd** (121):279–81, 1975 **(Ger)**

[Diagnostic possibilities in brachial plexus injuries] Kiwerski J. **Pol Tyg Lek** 31(22):939–42, 31 May 76 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

European experiences with tolmetin in the treatment of rheumatic diseases. Maibach E. **Curr Ther Res** 19(3):350–62, Mar 76

Indications for the use of Triamcinolone in control of wound healing. pp. 461–76. Ketchum LD, et al.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 161u 1973.

A comparative study of mefenamic acid and oxyphenbutazone in soft tissue lesions. Valtonen EJ. **Scand J Rheumatol [Suppl]** 0(10):1–6, 1975

Evaluation of a topical enzymatic debridement agent--sutilains ointment: a preliminary report. Coopwood TB. **South Med J** 69(7):834–6, Jul 76

Zinc and wound healing. Lee PW, et al. **Surg Gynecol Obstet** 143(4):549–54, Oct 76

[Clinical study of clopirac in traumatology (author's transl)] Mihail A. **J Belge Rhumatol Med Phys** 30 Spec no:251–3, 1975 (Eng. Abstr.) **(Fre)**

[Local management of wounds using the Biotensid wound spray] Wechselberger F. **Wien Med Wochenschr** 125(49):720–1, 5 Dec 75 **(Ger)**

[Extended cutaneous necroses after self-medication of abrasion wounds with Pectocor-ointment] Sawatzki T, et al. **Z Aerztl Fortbild (Jena)** 69(23):1219–21, 1 Dec 75 **(Ger)**

[Vulnuzan in the treatment of wounds and inflammatory skin process] Bachev S. **Vestn Dermatol Venerol** (9) Sep 75 **(Rus)**

ENZYMOLOGY

Endocrine status and the response of

glucosamine-6-phosphate synthetase to trauma. Okubo H, et al. **Exp Mol Pathol** 24(1):91-104, Feb 76

[Elimination and excretion of adenylate kinases following cell damage] Sachsenheimer W, et al. **Klin Wochenschr** 53(13):617-22, 1 Jul 75 (Eng. Abstr.) **(Ger)**

[Some aspects of regulation of adenosine triphosphatase activity in the thyroid gland in trauma] Shepotinovskiĭ VI, et al. **Patol Fiziol Eksp Ter** (1):71-2, Jan-Feb 76 (Eng. Abstr.) **(Rus)**

[Enzymatic changes appearing after traumatic or surgical aggression] Piulachs P, et al. **Bull Soc Int Chir** 34(2):87-91, 1975 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Injuries from rotary power lawnmowers. Graham WP 3d, et al. **Am Fam Physician** 13(5):75-9, May 76

Non-accidental trauma in children. Stainton MC. **Can Nurse** 71(10):26-9, Oct 75

The hazard of the unrestrained occupant. Huelke DF, et al. **J Trauma** 16(5):383-9, May 76

Mutilating lawn mower injuries in children. Ross PM, et al. **JAMA** 236(5):480-1, 2 Aug 76

The performance of seat belts in severe crashes. Ryan GA. **Med J Aust** 2(24):899-901, 13 Dec 75

Letter: Lacerations and death from broken bottled water containers. Mulkey DA, et al. **N Engl J Med** 293(24):1267-8, 11 Dec 75

Missile injuries from power lawn mowers. Coopwood TB. **Tex Med** 72(4):53-4, Apr 76

[Multiple injuries due to the collapse of a prefabricated concrete building (author's transl)] Kožina M, et al. **Acta Chir Orthop Traumatol Cech** 42(4):393-7, Aug 75 (Eng. Abstr.) **(Cze)**

[Is the Silverman syndrome a battered child syndrome?] Renard G, et al. **Bull Soc Ophtalmol Fr** 75(9-10):827-9, Sep-Oct 76 **(Fre)**

[Statistical evidence of passengers injuries in connection with the sitting position in automobile accidents] Beier G, et al. **Beitr Gerichtl Med** 32:92-5, 1974 (Eng. Abstr.) **(Ger)**

[Seat-belt injuries in the aged due to simulated frontal impact] Mattern R, et al. **Hefte Unfallheilkd** (121):449-54, 1975 **(Ger)**

[Injuries, —causes and mechanics of motor vehicle side impacts] Suren EG, et al. **Langenbecks Arch Chir** Suppl:351-5, 1975 (Eng. Abstr.) **(Ger)**

[Data on the causes and mechanisms of fatal injuries based on traffic accident cases at Csikszereda] Vitos A, et al. **Magy Traumatol Orthop** 19(1):37-9, 1976 **(Hun)**

[Social factors and industrial injuries at the metallurgical plants] Shapiro EI, et al. **Zdravookhr Ross Fed** (10):23-5, Oct 75 **(Rus)**

HISTORY

[75th anniversary of the Department of Military Traumatology and Orthopedics of the S.M. Kirov Military Medical Academy] Tkachenko SS. **Voen Med Zh** (4):94-6, Apr 75 **(Rus)**

IMMUNOLOGY

Host resistance in sepsis and trauma. MacLean LD, et al. **Ann Surg** 182(3):207-17, Sep 75

Letter: Post-traumatic immunosuppression. Bancewicz J, et al. **Lancet** 2(7980):306, 7 Aug 76

Post-traumatic immunosuppression is due to activation of suppressor T cells. Munster AM. **Lancet** 1(7973):1329-30, 19 Jun 76

A method of assessing impairment of immunity after trauma. Constantian MB, et al. **Surg Forum** 26:1-3, 1975

METABOLISM

The effect of trauma on the formaldehyde-induced fluorescence of noradrenaline in the hypothalamus and brain stem of the rat. Stoner HB, et al. **Brain Res** 97(1):1-15, 24 Oct 75

The effect of trauma on the activity of central noradrenergic neurones. Stoner HB, et al. **Brain Res** 112(2):337-46, 13 Aug 76

Branched-chain amino acids, nitrogen excretion and injury in man. Wedge JH, et al. **Clin Sci Mol Med** 50(5):393-9, May 76

Effects of metformin on insulin resistance after injury in the rat. Frayn KN. **Diabetologia** 12(1):53-60, Mar 76

Distribution of oxygen and its significance in healing tissue. pp. 177-87. Hunt TK.
In: Longacre JJ, ed. The ultrastructure of collagen. Springfield, Ill., Thomas, 1976. WO 185 I61u 1973.

Partial reversal by resepine of the shortened posttraumatic response of plasma corticosterone tyrosine and liver tyrosine aminotransferase in rats conditioned to trauma in the Noble and Collip drum. pp. 207-11. Németh S.
In: Usdin E, et al., ed. Catecholamines and stress. Oxford, Pergamon Press, 1976. W3 IN916P 1975c.

Serum and urinary magnesium levels following major trauma and surgery in children. Purohit PK, et al. **Indian Pediatr** 12(5):407-10, May 75

Free amino acids in plasma in the post-traumatic period. Dölp R, et al. **Infusionstherapie** 2(5):321-4, Oct 75 (Eng. Abstr.)

Comparison of two amino acid solutions for total parenteral nutrition of normal and traumatized hats. Sitren HS, et al. **J Nutr** 105(10):1318-25, Oct 75

The influence of route of administration on wound fluid concentration of prophylactic antibiotics. Alexander JW, et al. **J Trauma** 16(6):488-95, Jun 76

Nonsuppressability of gluconeogenesis by glucose in septic patients. Long CL, et al. **Metabolism** 25(2):193-201, Feb 76

Effect of prostaglandins on protein, RNA, DNA and collagen synthesis in experimental wounds. Lupulescu A. **Prostaglandins** 10(4):573-9, Oct 75

Biochemical monitoring of multiple injury patients. Lahdensuu M, et al. **Resuscitation** 3(4):273-9, 1974

La maladie post-operatoire: Is there order in variety? The six stimulus-response sequences. Moore FD. **Surg Clin North Am** 56(4):803-15, Aug 76

Oxidative metabolism and microbicidal activity of rabbit phagocytes: cells from wounds and from peripheral blood. Hohn DC, et al. **Surg Forum** 26:85-7, 1975

Crystalloid therapy in resuscitation during routine surgery and severe trauma. Page JG, et al. **Surg Forum** 26:18-22, 1975

Biliary secretion following trauma. Sarfeh IJ, et al. **Surg Forum** 26:103-6, 1975

Influence of trauma and sepsis on water and electrolytes of human muscle tissue. Vinnars E, et al. **Surg Forum** 26:16-8, 1975

[Changes in energy metabolism in severe tissue trauma] Äärimaa M. **Duodecim** 91(20):1203-12, 1975 **(Fin)**

[Changes in the pattern of fatty acids in total serum lipids during catabolism] Troll U, et al. **Infusionstherapie** 1(3):230-6, Feb 74 (Eng. Abstr.) **(Ger)**

[Changes in the fatty acid pattern of total serum lipids during catabolism] Troll U, et al. **Infusionstherapie** 1(3):230-6, Feb 74 (Eng. Abstr.) **(Ger)**

[Fibrinogen metabolism and distribution in tourniquet-trauma] Nolte W-H, et al. **Langenbecks Arch Chir** Suppl:203-5, 1975 (Eng. Abstr.) **(Ger)**

[Metabolic response to trauma: potassium and water content in skeletal muscles] Pareja JC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(3):182-5, May-Jun 75 (Eng. Abstr.) **(Por)**

[Importance of local changes of sodium and potassium metabolism for resistance of the body to tourniquet trauma] Peci-Povoić E. **Vojnosanit Pregl** 32(6):662-4, Nov-Dec 75 **(Ser)**

[Effect of 6-hydroxydopamine on catecholamine contents in tissue of rats subjected to tourniquet trauma] Vujnov S. **Vojnosanit Pregl** 32(5):550-4, Sep-Oct 75 (Eng. Abstr.) **(Ser)**

[Behavior of electrolytes in the liver of animals conditioned to severe tourniquet trauma] Peci-Popović E, et al. **Zb Vojnomed Akad** :99-104, 1974 **(Ser)**

[Effects of adrenalectomy and chemical sympathectomy on tissue catecholamine content following trauma] Vujnov S. **Zb Vojnomed Akad** :81-3, 1974 (Eng. Abstr.) **(Ser)**

MICROBIOLOGY

Low flow states: differences between trauma and sepsis. Moore FD. **Antibiot Chemother** 21:44-5, 1976

Unreliability of direct antibiotic susceptibility testing on wound exudates. Ellner PD, et al. **Antimicrob Agents Chemother** 9(2):355-6, Feb 76

[Histological research on the effect of viruses on wound healing] Brückner WL, et al. **Chirurg** 47(8):455-7, Aug 76 (Eng. Abstr.) **(Ger)**

MORTALITY

Mortality and morbidity following road accidents. Hoffman E. **Ann R Coll Surg Engl** 58(3):233-40, May 76

Letter: Deaths from non-accidental injuries in childhood. Howells JG. **Br Med J** 3(5984):651-2, 13 Sep 75

A comparison of deaths from injury. 1947-56 compared with 1962-71. Tubbs N. **Injury** 7(3):233-41, Feb 76

Toxicological findings in victims of traumatic deaths. Bastos ML, et al. **J Forensic Sci** 21(1):176-86, Jan 76

[Reduction of the mortality rate in traffic accidents in 1974 compared with the mortality rate in tuberculosis and with infant death] Hemminki K, et al. **Duodecim** 91(19):1130-5, 1975 (Eng. Abstr.) **(Fin)**

[Analysis of causes of death in subjects with multiple injuries] Balázsy S, et al. **Beitr Gerichtl Med** 32:267-72, 1974 **(Ger)**

[Impact-geometry induced pecularities in fatally injured pedestrians] Beier G, et al. **Beitr Gerichtl Med** 32:73-7, 1974 (Eng. Abstr.) **(Ger)**

[Interior safety in automobiles—study of the HUK-association on 32.000 personal motor vehicle accidents with passenger injuries] Langwieder K. **Beitr Gerichtl Med** 32:78-90, 1974 (Eng. Abstr.) **(Ger)**

[Death in the street. Review of literature - I] Fischer H. **Med Monatsschr** 29(7):306-10, Jul 75 (0 ref.) **(Ger)**

[Forensic problems of fatal hand-inflicted injuries] Imre K. **Morphol Igazsagugyi Orv Sz** 16(1):67-71, Jan 76 **(Hun)**

[Lethality in severe mining injury complicated by shock] Revenko TA, et al. **Klin Khir** (10):59-61, Oct 75 **(Rus)**

[Causes of death at the early post-traumatic period] Tsybuliak GN, et al. **Vestn Khir** 114(5):75-82, May 75 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Editorial: Bunk bed injuries? **Am Fam Physician** 14(2):55, Aug 76

Analyzing nursing's work-related injuries. Hefferin EA, et al. **Am J Nurs** 76(6):924-7, Jun 76

Blood alcohol levels in accident victims. Honkanen R, et al. **Ann Chir Gynaecol Fenn** 64(6):365-8, 1975

200 injuries caused by playground equipment. Illingworth C, et al. **Br Med J** 4(5992):332-4, 8 Nov 75

Social and medical consequences on injuries at work among seamen of Polish Merchant Marine. Rzepiak M. **Bull Inst Marit Trop Med Gdynia** 27(1):5-15, 1976

Epidemiological triad in domestic accidents. Mittal BN, et al. **Indian J Med Res** 63(9):1344-52, Sep 75

A study of accidents among the hospital admissions in Himachal Pradesh. Ghosh BN, et al. **Indian J Public Health** 19(1):38-43, Jan-Mar 75

Unprotected road users—the most important category of road traffic casualties. Hansson PG. **Injury** 7(4):306-9, May 76

Pedestrian and cyclist road accidents. Mackay GM. **J Forensic Sci Soc** 15(1):7-15, Jan 75

Escalator injuries in Thai children. Choovoravech N, et al. **J Med Assoc Thai** 58(8):442-4, Aug 75

The child with repeated injuries—a family problem. Husband P. **J R Coll Gen Pract** 25(155):419-23, Jun 75

Injuries in children sustained in free falls: an analysis of 66 cases. Smith MD, et al. **J Trauma** 15(11):987-91, Nov 75

Letter: Cyclone Tracy. Webster IW. **Med J Aust** 2(3):109-10, 19 Jul 75

Occupational injuries: an exploratory analysis of successful Australian strategies. Wigglesworth EC. **Med J Aust** 1(11):335-40, 13 Mar 76

Christchurch traffic trauma survey: Part 2, victims and statistics. Hart DN, et al. **NZ Med J** 81(542):543-6, 25 Jun 75

Persons injured and disability days by detailed type and class of accident; United States-1972-1972. Wilder CS. **Vital Health Stat** Series 10(105):1-54, Jan 76

[In favor of compulsory reporting of bodily injuries occurring in mental patients in a psychiatric setting] Leconte M. **Med Leg Dommage Corpor** 7(4):350-3, Oct-Dec 74 (Eng. Abstr.) **(Fre)**

[Traumatic and economic assessment of traffic accidents victims. Analysis of 3 years of activity at the Hôpital Antoine Béclère] de la Caffiniere JY, et al. **Nouv Presse Med** 5(12):801-2, 20 Mar 1976 **(Fre)**

[Epidemiology and biomechanics of pedestrian accidents in old age] Gotzen L, et al. **Hefte Unfallheilkd** (121):443-9, 1975 **(Ger)**

[Epidemiology of traumatic injuries in the Gdańsk-Gdynia-Sopot urban complex] Mlekodaj S, et al. **Pol Przegl Chir** 48(5):599-604, 1976 (Eng. Abstr.) **(Pol)**

[Accidents as a function of the development of transport facilities. Epidemiology of traffic accidents] Powiertowski H. **Pol Tyg Lek** 30(35):1436, 1 Sep 75 **(Pol)**

[Analysis of industrial traumatism and its prevention among machine operators in agriculture] Dmitriev AE, et al. **Ortop Travmatol Protez** (5):49-53, May 75 (Eng. Abstr.) **(Rus)**

[Relation of the seriousness of the injury to the nature of the traffic accident] Elkin PA, et al. **Ortop Travmatol Protez** (1):15-8, Jan 76 (Eng. Abstr.) **(Rus)**

[Dependence of injuries on the weather] Kossaia AI, et al. **Ortop Travmatol Protez** (5):33-7, May 75 (Eng. Abstr.) **(Rus)**

[Peculiarities of the clinical picture of traffic accident injuries] Vorobeĭ LF. **Ortop Travmatol Protez** (1):65-7, Jan 76 **(Rus)**

[Automobile traumatism and its prevention] Zhila IuS. **Ortop Travmatol Protez** (5):53-5, May 75 **(Rus)**

[Trauma among agricultural workers in the Yaran region of the Kirov district] Dmitriev AE, et al. **Zdravookhr Ross Fed** (8):7-12, Aug 75 **(Rus)**

[Trends in traffic injuries in the Serbian Federal Republic of Yugoslavia] Jelčić I. **Nar Zdrav** 30(9-10):231-6, Sep-Oct 74 **(Ser)**

[Accidents in childhood, a social plague] Lestache DJ. **An R Acad Nacl Med (Madr)** 92(3):375-96, 1975 **(Spa)**

PATHOLOGY

Wound healing in children as assessed by the CELLSTIC method. Viljanto J, et al. **J Pediatr Surg** 11(1):43-8, Feb 76

Prinicples of clinical forensic medicine. II. Injuries and wound. Paul DM. **Med Leg Bull** 24(12):1-12, Dec 75

PHYSIOPATHOLOGY

Angiography of the dilator response in extremity trauma. Lewis DH, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):679-88, Nov 75

Prospective studies of gastric secretion in trauma patients. Stremple JF. **Am J Surg** 131(1):78-85, Jan 76

Disturbance of the contractility of the precapillary resistance vessels as an additional cause of oedema in trauma. Sandegård J, et al. **Bibl Anat** 13:184-5, 1975

Insulin secretion after injuries of differing severity in the rat. Frayn KN. **Br J Exp Pathol** 57(3):316-20, Jun 76

Experimental studies on the pathophysiological responses of the newborn to injury. Little RA. **Br J Surg** 62(11):868-74, Nov 75 (100 ref.)

Reaction to injury. Actions of prostaglandins and prostaglandin inhibitors. Discussion. pp. 373-7.
In: Robinson HJ, Vane JR, ed. Prostaglandin synthetase inhibitors. New York, Raven Press, 1974. QU 90 P963 1973.

Mathematical modelling, simulation and experimental testing

of biomechanical system crash response. King AI, et al. **J Biomech** :301–17, 1976
CVP measurement in the injured patient. Demuth WE Jr. **Pa Med** 79(2):5, Feb 76
Metabolic and endocrine response to trauma. Johnston ID, et al. **Surg Annu** 8:91–101, 1976 (45 ref.)
Metabolic response to injury. Thorén L. **Surg Annu** 7:53–70, 1975 (148 ref.)
The renal response to acute injury and sepsis. Lucas CE. **Surg Clin North Am** 56(4):953–75, Aug 76 (66 ref.)
Gastrointestinal responses to injury and infection. Silen W, et al. **Surg Clin North Am** 56(4):945–52, Aug 76
Insulin sensitivity in traumatized patients. Harlow CL Jr, et al. **Surg Forum** 26:42–4, 1975
Effects of trauma on pulmonary plasminogen activator activity. Rothman DL, et al. **Surg Forum** 26:94–6, 1975
Stress in surgical patients as a neurophysiologic reflex response. Wilmore DW, et al. **Surg Gynecol Obstet** 142(2):257–69, Feb 76 (124 ref.)
Renal hemodynamic response to furosemide in septic and injured patients. Bradley VE, et al. **Surgery** 79(5):549–54, May 76
[Pulmonary microembolism: pulmonary hemodynamics following trauma and hemorrhage (author's transl)] Ulmer HE, et al. **Basic Res Cardiol** 70(4):406–19, Jul–Aug 75 (Eng. Abstr.) **(Ger)**
[Significance of intravascular coagulation and acidosis on increase of pulmonary vascular resistance following trauma and hemorrhagic shock] Leinberger H, et al. **Langenbecks Arch Chir** Suppl:197–201, 1975 (Eng. Abstr.) **(Ger)**
[The biomechanics of childhood pedestrian accidents (author's transl)] Behrens S, et al. **Unfallheilkunde** 79(3):109–15, Mar 76 (Eng. Abstr.) **(Ger)**
[Histological aspects of posttraumatic regeneration] Truupyl'd Aiu. **Arkh Anat Gistol Embriol** 70(2):96–104, Feb 76 (Eng. Abstr.) **(Rus)**
[Functional and morphological basis of hormonal therapy in complex injuries] Mazalova MF. **Ortop Travmatol Protez** (1):60–4, Jan 76 (Eng. Abstr.) **(Rus)**
[Study of the function of the adrenergic system in animals adapted to trauma] Vujnov S. **Vojnosanit Pregl** 32(6):665–8, Nov–Dec 75 **(Ser)**

PREVENTION & CONTROL

Estimates of motor vehicle seat belt effectiveness and use: implications for occupant crash protection. Robertson LS. **Am J Public Health** 66(9):859–64, Sep 76
Restraint systems for the prevention of injury to children in automobile accidents. Scherz RG. **Am J Public Health** 66(5):451–6, May 76
Editorial: An unnecessary risk to children. **Br Med J** 1(6003):180, 24 Jan 76
Letter from ... Denmark. Problems of prevention. Frolund F. **Br Med J** 3(5986):760–1, 27 Sep 75
Letter from Victoria. Drivers and health. Knight J. **Br Med J** 1(6022):1391–2, 5 Jun 76
Children as passengers in automobiles: the neglected minority on the nation's highways. Shelness A, et al. **Pediatrics** 56(2):271–84, Aug 75
[Seat belt legislation] Solheim K. **Tidsskr Nor Laegeforen** 95(23):1319–20, 20 Aug 75 **(Nor)**
[Some aspects in the prevention of injuries in modern coal mines of the southern Urals] Kagan AS. **Gig Tr Prof Zabol** (9):16–8, Sep 75 (Eng. Abstr.) **(Rus)**
[Analysis of industrial traumatism on certain hydraulic mines of the Donetsk region and ways of its prevention] Revenko TA, et al. **Ortop Travmatol Protez** (5):39–41, May 75 (Eng. Abstr.) **(Rus)**
[Prevention and treatment of injuries in submariners] Borisov SA. **Voen Med Zh** (4):60–3, Apr 76 **(Rus)**

RADIOGRAPHY

Air laryngogram. Bierny JP. **Ariz Med** 33(1):21–6, Jan 76
[Radiology in cases of trauma—an obligatory investigation] Muller CJ. **S Afr Med J** 50(17):671–4, 17 Apr 76 (Eng. Abstr.) **(Afr)**
[Agfacontour color picture as a supplemental diagnostic measure in accident surgery] Lugger LJ. **Tieraerztl Prax** 3(2):257–62, 1975 **(Ger)**
[Diagnostic radiographic errors and their sequelae in legal proceedings] Kornobis J, et al. **Pol Tyg Lek** 30(51):2133–5, 22 Dec 75 (Eng. Abstr.) **(Pol)**

REHABILITATION

[Special care of injured patients after returning to work] Kazár G. **Magy Traumatol Orthop** 19(1):72–6, 1976 (Eng. Abstr.) **(Hun)**
[Problems of organization of medical rehabilitation of patients and invalids after injuries of the musculo–skeletal apparatus] Kaptelin AF. **Ortop Travmatol Protez** (2):1–5, Feb 76 (Eng. Abstr.) **(Rus)**
[Characteristics of disability due to injuries] Freidlin SIa. **Zdravookhr Ross Fed** (4):9–12, Apr 75 **(Rus)**

SURGERY

A suture–tightening technic for delayed wound closure. Abramson DJ. **Am J Surg** 131(3):388, Mar 76
Prevention of complications after liver trauma. Lim RC Jr, et al. **Am J Surg** 132(2):156–62, Aug 76
Rapid anesthesia induction in combat casualties with full stomachs. Cromartie RS 3d. **Anesth Analg (Cleve)** 55(1):74–6, Jan–Feb 76
General surgery and trauma. Allgöwer M. **Ann R Coll Surg Engl** 57(3):133–8, Sep 75
Letter: Surgical policy after cyclone Tracy. Lealie D. **Br Med J** 1(6003):223, 24 Jan 76
Clinical evaluation of the use of corticosteroids in orthopaedics and traumatic surgery. pp. 336–8. Vela R.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
Techniques and complications of primary wound closure. pp. 71–9. Arem AJ.
In: Findeiss JC, et al. ed. Emergency medical care. New York, International Medical Book, 1974. W1 EM662H v.1 1974.
Intraoperative autotransfusion in the treatment of trauma. p. 115. Reul GJ Jr.
In: Shoemaker WC, Tavares BM, ed. Current topics in critical care medicine. Basel, Karger, 1976. W3 IN916ZG 1974c.
Prophylaxis with antibiotics in orthopaedic and traumatologic surgical interventions. pp. 25–9. Buchholz HW.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 1. New York, Plenum Press, 1976. W3 IN351 1975c.
Simple wounds and simple incisions. Richards V. **J Fam Pract** 2(4):297–302, Aug 75
Our heritage. 1975 AAST presidential address. Davis JH. **J Trauma** 16(6):425–36, Jun 76 (Eng. Abstr.)
Motorcycle accidents: a review of 77 patients treated in a three–month period. Haddad JP, et al. **J Trauma** 16(7):550–7, Jul 76
Letter: Surgical masks during laceration repair. Caliendo JE. **JACEP** 5(4):278–9, Apr 76
Letter: Cyclone tracy. Gurner CM, et al. **Med J Aust** 2(20):780, 15 Nov 75
Traumatic injuries: office treatment of lacerations. Ryan AJ. **Postgrad Med** 59(5):259–62, May 76
Traumatic Surgery. Rutherford WH. **Prog Surg** 14:121–35, 1975
A review of orthopaedic and accident surgery at a rural mission hospital. Purry NA. **S Afr Med J** 50(24):937–8, 5 Jun 76
Unimpaired renal, myocardial and neurologic function after cross clamping of the thoracic aorta. Garcia–Rinaldi R, et al. **Surg Gynecol Obstet** 143(2):249–52, Aug 76
The hazards of suturing certain wounds of the liver. Mays ET. **Surg Gynecol Obstet** 143(2):201–4, Aug 76
An inexpensive wound suction device. Miller SH, et al. **Surg Gynecol Obstet** 141(5):768, Nov 75
Injuries of the colon and rectum. Schrock TR, et al. **West J Med** 123(3):236–9, Sep 75
[Some local plastic operations in the closing of atonic wounds] Evstatiev D. **Khirurgiia (Sofiia)** 29(2):141–7, 1976 (Eng. Abstr.) **(Bul)**
[Study of combined trauma based on data from the Surgical Department of Yambol District Hospital for 1966–1972] Nedkov N. **Khirurgiia (Sofiia)** 28(1):60–5, 1975 **(Bul)**
[Indications, method and results of autotransfusion in trauma and vascular surgery (author's transl)] Vereecken L, et al. **Acta Chir Belg** 74(2):175–80, Mar 75 (Eng. Abstr.) **(Dut)**
[Accident surgery—experimental therapy] Rehn J. **Arzneim Forsch** 25(10):1663–5, Oct 75 (Eng. Abstr.) **(Ger)**
[10th session of the Oesterreichische Gesellschaft für Unfallchirurgie, Oct. 11–12, 1974 Salzburg. Opening address] Krösl W. **Hefte Unfallheilkd** (124):1–8, 1975 **(Ger)**
[Vertical and horizontal body piercing with steel bars] Krneta A, et al. **Helv Chir Acta** 42(4):493–6, Sep 75 **(Ger)**
[Prevention of post–traumatic complications through immediate therapy in patients with multiple injuries and fractures] Rüedi T, et al. **Helv Chir Acta** 42(4):507–12, Sep 75 **(Ger)**
[Sense and nonsense in measuring methods (author's transl)] Beyer G. **Unfallheilkunde** 79(5):233–4, May 76 **(Ger)**
[Accident surgery in Germany] Rehn J. **Unfallheilkunde** 79(1):1–3, Jan 76 **(Ger)**
[Use of tissue adhesives in experimental arterial trauma] Kulicki M. **Polim Med** 4(4):289–312, 1974 (Eng. Abstr.) **(Pol)**
[Development of Soviet military surgery during the years of Soviet rule] Tomashuk IP. **Klin Khir** (5):5–10, May 75 **(Rus)**
[Surgical intervention in severe trauma complicated by shock] Babosha VA, et al. **Ortop Travmatol Protez** (1):41–6, Jan 76 (Eng. Abstr.) **(Rus)**
[Organization of treatment and resuscitation in combined injuries of the musculo–skeletal apparatus] Ungbaev TE. **Ortop Travmatol Protez** (5):37–9, May 75 **(Rus)**
[Cardio–respiratory changes related to anesthesia and controlled respiration in open–heart surgery and in injuries] Norlander O. **Vestn Akad Med Nauk SSSR** (10):8–4, 1975 **(Rus)**
[Surgical tactics in severe combined injuries of the face and other body regions] Dunaevskiĭ VA, et al. **Vestn Khir** 116(4):86–90, Apr 76 (Eng. Abstr.) **(Rus)**
[Surgical procedure in lesions of the major blood vessels of the extremities] Babovnikov VG. **Voen Med Zh** (8):34–8, Aug 75 **(Rus)**
[Method of draining wounds] Iusupov IuN. **Voen Med Zh** (9):28–9, Sep 75 **(Rus)**
[Role of the army surgeon in organizing medical aid for the wounded in World War II] Kovanov VV. **Voen Med Zh** (4):51–5, Apr 75 **(Rus)**
[Primary delayed sutures of the war injuries] Albrecht M, et al. **Acta Chir Iugosl** 23(1 Suppl):61–4, 1976 **(Ser)**
[Associated injuries and surgical treatment of the wound] Duknic M. **Acta Chir Iugosl** 23(1 Suppl):69–73, 1976 **(Ser)**
[Prevention of tetanus in the surgical practice] Jankuloski A, et al. **Acta Chir Iugosl** 23(1 Suppl):79–85, 1976 **(Ser)**
[Health protection and problems in the surgical treatment of injured in the General National Defense] Kulenovic H. **Acta Chir Iugosl** 23(1 Suppl):7–17, 1976 **(Ser)**
[Surgical treatment of wounds] Stojanovic VK. **Acta Chir Iugosl** 23(1 Suppl):43–59, 1976 **(Ser)**
[Use of antibiotics under the conditions of defensive war] Zajic Z. **Acta Chir Iugosl** 23(1 Suppl):87–100, 1976 **(Ser)**
[Laryngeal traumatism. Delayed complications: Laryngeal stenosis] Mañós M. **An Otorrinolaringol Ibero Am** 1(3):50–70, 1974 (Eng. Abstr.) **(Spa)**
[Editorial: Has Skintec antibacterial effect?] Bartholdson L, et al. **Lakartidningen** 73(11):947, 10 Mar 76 **(Swe)**

THERAPY

Trauma care. Browner BD, et al. **Am Fam Physician** 13(5):110–21, May 76
Evolution of quantitative bacteriology in wound management. Krizek TJ, et al. **Am J Surg** 130(5):579–84, Nov 75 (36 ref.)
Treatment of the diving casualty. Elliot DH, et al. **Anaesthesia** 31(1):81–80, Jan–Feb 76
Letter: Sutureless skin closure. Jelenko C 3rd. **Arch Surg** 111(6):724, Jun 76
Local hyperalimentation of open wounds. Viljanto J, et al. **Br J Surg** 63(6):427–30, Jun 76
Letter: Disaster wound treatment. Whyte AG. **Br Med J** 4(5987):43–4, 4 Oct 75
Fluid resuscitation following injury: rationale for the use of balanced salt solutions. Carrico CJ, et al. **Crit Care Med** 4(2):46–54, Mar–Apr 76
Priorities in management of trauma victims. Larkin J, et al. **Crit Care Med** 3(5):192–5, Sep–Oct 75
Blood viscosity changes after trauma. Use of dextran–40 in correction of microcirculatory insufficiency. Litwin MS. **Crit Care Med** 4(2):67–70, Mar–Apr 76
Guidelines for the dosage and application of the intravenous provision of nutrient substances in traumatized patients. pp. 155–9. Frost F.
In: Ahnefeld FW, et al., ed. Parenteral nutrition. Berlin, Springer, 1976. WB 410 143 1974.
Priorities in the immediate management of major injuries. pp. 463–6. Baskett PJ.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
The anaesthetist as an emergency physician: his tasks in the treatment of multiple injuries at the scene of the accident and during transportation. pp. 489–91. Gorgass B, et al.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
The role of the trained nurse in the anaesthesiological treatment of the patient with multiple injuries. pp. 467–70. Haxholdt BF.
In: Arias A et al., ed. Recent progress in anaesthesiology and resuscitation. Amsterdam, Excerpta Medica, 1975. W3 EX89 no. 347 1974.
Resuscitation and trauma. Coppel DL, et al. **Int Anesthesiol Clin** 14(1):43–68, Spring 76 (20 ref.)
Management of multiple trauma. Reynolds JF, et al. **J Maine Med Assoc** 67(2):34–9, Feb 76
Fluid therapy in the critically injured patient. Bergman SA, et al. **J Oral Surg** 34(6):542–6, Jun 76
Evaluation of the quality of hospital care for major trauma. Moylan JA, et al. **J Trauma** 16(7):517–23, Jul 76
Letter: Emergency department techniques. Simon J. **JACEP** 5(4):279, Apr 76
Cleansing the traumatic wound by high pressure syringe irrigation. Stevenson TR, et al. **JACEP** 5(1):17–21, Jan 76
The emergency management of trauma. Strate RG, et al. **Otolaryngol Clin North Am** 9(2):315–29, Jun 76
Comparison of short wave diathermy and pulsed electromagnetic energy in treatment of soft tissue injuries. Wilson DH. **Physiotherapy** 60(10):309–10, Oct 74
Traumatic injuries. Office treatment of puncture wounds. Ryan AJ. **Postgrad Med** 59(8):164–8, AUG 76
Priorities in the management of the patient with polytrauma. Border JR, et al. **Prog Surg** 14:84–120, 1975
Intravenous diazepam narcosis in the treatment of injuries, with doxapram for recovery. Beesley JR, et al. **Resuscitation** 4(4):259–63, 1975
[Current accident rate and specialized aid at different stages of transport of the injured] Repin AV, et al. **Rozhl Chir** 55(7):433–4, Jul 76 **(Cze)**
[Emergency care and patient transport] Kjellberg M. **Duodecim** 91(20):1274–81, 1975 **(Fin)**
[Therapeutic problems in multiple injuries] Slätis P. **Duodecim** 91(20):1179–81, 1975 **(Fin)**
[Nutritional problems posed by injuries] Cavellat M. **Anesth Analg (Paris)** 31(6):889–906, Nov–Dec 74 **(Fre)**

[Complications and problems in multiple-injured old patients] Kolbow H, et al. **Hefte Unfallheilkd** (121):167–70, 1975 **(Ger)**

[New possibilities of application of gelatin tissue adhesive in parenchymatous organs] Lindenmaier HL, et al. **Med Welt** 27(18):856–9, 30 Apr 76 **(Ger)**

[Principles of treatment of mass injuries] Doron H. **Harefuah** 90(3):134–5, 1 Feb 76 **(Heb)**

[Practical considerations on traffic injuries] Bernardini A, et al. **Minerva Med** 66(62):3174–9, 22 Sep 75 **(Ita)**

[Letter: Treatment of soft tissue injuries—a neglected field in medicine] Måseide T. **Tidsskr Nor Laegeforen** 95(33):1940–1, 30 Nov 75 **(Nor)**

[Wound treatment under hypotension and its advantages. Construction of devices from plastic sets for intravenous infusions, bottles for blood substitute fluids and rubber glove fingers in such wound treatment] Porwolik E, et al. **Pol Przegl Chir** 47(11A):1459–62, Nov 75 (Eng. Abstr.) **(Pol)**

[Basic clinical problems in traffic accidents] Lukasik S. **Pol Tyg Lek** 30(35):1435, 1 Sep 75 **(Pol)**

[Collagen—a semi-biological product used in dressings and as an adhesive carrier] Smolarek F, et al. **Polim Med** 4(4):353–7, 1974 (Eng. Abstr.) **(Pol)**

[Machine-oriented form of document suitable for the analysis of hospital service to the injured] Gudushauri ON, et al. **Ortop Travmatol Protez** (5):68–70, May 75 **(Rus)**

[Our experience with organization of an orthopedic-traumatological department] Shlepov AV. **Ortop Travmatol Protez** (9):75–8, Sep 75 **(Rus)**

[Resuscitation of the injured with severe, multiple trauma complicated by shock] Komarov BD, et al. **Vestn Akad Med Nauk SSSR** (2):8–12, 1975 **(Rus)**

[Anesthesiological support for those suffering from severe injuries] Uvarov BS, et al. **Vestn Akad Med Nauk SSSR** (2):13–8, 1975 **(Rus)**

[Pre-hospital resuscitation in injuries and asphyxia under emergency conditions] Tsybuliak GN, et al. **Vestn Khir** 115(7):80–3, Jul 75 (Eng. Abstr.) **(Rus)**

[Providing of polytraumatized persons with blood transfusion, blood derivatives and infusion solutions] Petrović Z. **Bilt Hematol Transfuz** 3(1–2):53–6, 1975 (Eng. Abstr.) **(Ser)**

[Treatment of our wounded and sick at the Allied Hospitals and role of the medical mission of the Yugoslav Liberation Army] Romano J. **Vojnosanit Pregl** 33(1):56–60, Jan–Feb 76 **(Ser)**

URINE

The effect of severe trauma on urinary cyclic AMP in children of different ages. Vitek V, et al. **Clin Chim Acta** 70(2):227–37, 15 Jul 76

Increased urine insulin excretion in trauma. Meguid MM, et al. **Surg Forum** 26:37–9, 1975

The effect of severe trauma on urine loss of insulin. Meguid MM, et al. **Surgery** 79(02):177–81, Feb 76

VETERINARY

Motor vehicle accidents in urban dogs: a study of 600 cases. Kolata RJ, et al. **J Am Vet Med Assoc** 167(10):938–41, 15 Nov 75

[Traumatic dermatitis crustosa of the bovine udder] Giesecke WH. **J S Afr Vet Assoc** 46(2):216, Jun 75 **(Eng, Afr)**

Greyhound injuries. Hickman J. **J Small Anim Pract** 16(8):455–60, Aug 75

[Injuries of dairy cattle due to modern stable systems] Matzke P. **Tieraerztl Prax** 3(1):15–26, 1975 **(Ger)**

WOUNDS, GUNSHOT

Absorption of missile energy in soft tissue. Rybeck B, et al. **Acta Chir Scand** 142(3):201–7, 1976

Local effects of assault rifle bullets in live tissues. Berlin R, et al. **Acta Chir Scand [Suppl]** (459):1–76, 1976

Gunshot wounds of the spinal cord: a survey of literature and epidemiologic study of 48 lesions in Alabama. Fine PR, et al. **Ala J Med Sci** 13(2):173–80, Apr 76 (25 ref.)

Extremity gunshot wound and gunshot fracture in civilian practice. Hennessy MJ, et al. **Clin Orthop** (114):296–303, Jan–Feb 76

A suicidal gunshot wound of the back. Hirsch CS, et al. **J Forensic Sci** 21(3):659–66, Jul 76

Wound ballistics: an analysis of a bullet in gel. Jauhari M, et al. **J Forensic Sci** 21(3):616–24, Jul 76

Wounding mechanism of very high velocity projectiles. Charters AC 3d, et al. **J Trauma** 16(6):464–70, Jun 76

Editorial: Choice of bullets for police use. DeMuth WE Jr. **J Trauma** 15(9):833, Sep 75

Homicidal death by air rifle. DiMaio VJ. **J Trauma** 15(11):1034–7, Nov 75

The case of the contrary cartridge; an unusual accidental self-inflicted gunshot wound. Kovarik JL. **J Trauma** 15(9):823–4, Sep 75

Was the Maryland physician a victim or part of the Lincoln assassination conspiracy? Taylor B. **Md State Med J** 25(4):35–49, Apr 76

Tandem bullet in the head in a case of suicide. Timperman J, et al. **Med Sci Law** 15(4):280–3, Oct 75

Perforating ocular shotgun injuries: relationship of ocular findings to pellet ballistics. Drummond J, et al. **South Med J** 69(8):1066–8, Aug 76

[Wounds caused by firearm projectiles : interpretation of the physical-physiological mechanism of the lesions] Derobert L. **Forensic Sci** 6(1–2):41–52, Aug–Oct 75 (Eng. Abstr.) **(Fre)**

[The gunshot wound in war] Ganzoni N. **Aktuel Probl Chir** 21:1–317, 1975 (878 ref.) **(Ger)**

[Unusual death due to gunshot] Lins G, et al. **Arch Kriminol** 154(5–6) Nov–Dec 74 **(Ger)**

[Suicide due to double bolt shot into the head] Schiermeyer H. **Arch Kriminol** 151(3–4):87–90, Mar–Apr 73 **(Ger)**

[Procedure for the estimation of gunshot distance through electrographic studies on textiles] Gruber H. **Beitr Gerichtl Med** 32:240–1, 1974 (Eng. Abstr.) **(Ger)**

[Gunshot injury of the neck] Stark H, et al. **Wien Med Wochenschr** 125(50–52):744–5, 19 Dec 75 **(Ger)**

[Wounding capacity of bullets after ricochet from sand or concrete (author's transl)] Sellier K. **Z Rechtsmed** 78(2):149–58, 26 Aug 76 (Eng. Abstr.) **(Ger)**

[The dangerousness of revolvers cal 4 mm, long (author's transl)] Tarsch D, et al. **Z Rechtsmed** 77(3):201–18, 24 Mar 76 (Eng. Abstr.) **(Ger)**

[Fatal injuries by blank warning firearms (author's transl)] Zink P. **Z Rechtsmed** 78(1):91–6, 30 Jun 76 (Eng. Abstr.) **(Ger)**

[A rare type of transorbital brain injury] Gund VA, et al. **Zentralbl Neurochir** 36(2):101–7, 1975 (Eng. Abstr.) **(Ger)**

[Misleading self-inflicted gunshot wound] Pál K, et al. **Morphol Igazsagugyi Orv Sz** 16(3):198–200, Jul 76 (Eng. Abstr.) **(Hun)**

[Mechanism of gunshot wounds of the lungs] Kolesov AP, et al. **Khirurgiia (Mosk)** (5):54–9, May 75 (Eng. Abstr.) **(Rus)**

[Gunshot dowel injuries] Alekseev AV, et al. **Vestn Khir** 114(5):95–7, May 75 (Eng. Abstr.) **(Rus)**

[Gunshot wounds of the joints in peace time] Gostev VS. **Vestn Khir** 116(5):87–90, May 76 **(Rus)**

COMPLICATIONS

Gunshot wounds of the colon. A review of 100 consecutive patients, with emphasis on complications and their causes. Haygood FD, et al. **Am J Surg** 131(2):213–8, Feb 76

Bullets, joints, And lead intoxication. A remarkable and instructive case. Switz DM, et al. **Arch Intern Med** 136(8):939–41, Aug 76

Localized myokymia caused by peripheral nerve injury. Medina JL, et al. **Arch Neurol** 33(8):587–8, AUG 76

An unusual case of a bullet embolus. Pupello DF, et al. **J Fla Med Assoc** 62(11):51, Nov 75

Delayed cervical myelopathy caused by bomb shell fragment. Case report. Amitani K, et al. **J Neurosurg** 44(5):626–7, May 76

Retained intracranial metallic foreign bodies. Report of two cases. Ott K, et al. **J Neurosurg** 44(1):80–3, Jan 76

Air gun pellet embolizing the intracranial internal carotid artery. Padar SC. **J Neurosurg** 43(2):222–4, Aug 75

Fatal air embolism following gunshot wound of the lung. Smith JM III, et al. **J Thorac Cardiovasc Surg** 72(2):296–8, AUG 76

Trans-thoracic venous bullet embolism. Frazier TG, et al. **J Trauma** 15(9):825–6, Sep 75

Delayed post-traumatic subdural empyema. Osgood CP, et al. **J Trauma** 15(10):916–21, Oct 75

Septic arthritis secondary to vesico-acetabular fistula: a case report. Morganstern S, et al. **J Urol** 116(1):116–7, Jul 76

Bullet embolism to the heart. Sivanesan S. **Med Sci Law** 16(1):59–61, Jan 76

Closure of an abdominal hernia with a groin flap lined with a dermal graft. Case report. Earle AS, et al. **Plast Reconstr Surg** 56(4):447–9, Oct 75

Spontaneous closure of traumatic arteriovenous fistula. Suchato C, et al. **Radiology** 118(2):291–2, Feb 76

Pellet-gun brain wound complicated by Clostridium Perfringens meningitis. DeWeese WO, et al. **Surg Neurol** 5(4):253–4, Apr 76

Acute post-traumatic coarctation of the abdominal aorta. Pennington D, et al. **Surgery** 78(4):538–42, Oct 75

[Lesions of the small intestine during gram negative septicemia. Apropos of one case] Janvier G, et al. **Nouv Presse Med** 5(24):1529–30, 12 Jun 76 **(Fre)**

[Internal ricocheted gunshot] Lanner G. **Zentralbl Neurochir** 35(2):137–43, 1974 (Eng. Abstr.) **(Ger)**

[Arterial injury due to high velocity missile] Kurchin A, et al. **Harefuah** 89(9):401–3, 2 Nov 75 (Eng. Abstr.) **(Heb)**

[Rifle bullet in the ureter] Czyż A, et al. **Pol Przegl Chir** 48(2 A):333–4, Feb 76 (Eng. Abstr.) **(Pol)**

[Late sequelae of gunshot wounds of the upper extremities in World War II disabled veterans] Degtiar' GP. **Ortop Travmatol Protez** (7):61–2, Jul 75 **(Rus)**

[Mechanism of contusion injuries of the lungs in gunshot wounds of the upper part of the abdomen] Ozeretskovskii LB, et al. **Vestn Khir** 115(11):95–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Combined gunshot injury of the chest and abdomen] Tsareva AN, et al. **Vestn Khir** 116(5):96, May 76 **(Rus)**

[Potentials for the experimental immunological prevention of gunshot osteomyelitis] Apanasenko BG, et al. **Voen Med Zh** (4):71–3, Apr 76 **(Rus)**

[Late sequelae of gunshot wounds of the upper extremities] Degtiar' GP. **Voen Med Zh** (3):18–20, Mar 76 **(Rus)**

[Craniocerebral gunshot wounds and the prevention of suppurative complications] Samotokin BA, et al. **Voen Med Zh** (11):22–5, Nov 75 (10 ref.) **(Rus)**

[Foreign body of fire-arm origin in the nasal accessory sinuses and orbit] Ermilov VS, et al. **Zh Ushn Nos Gorl Bolezn** (2):111–2, Mar–Apr 75 **(Rus)**

[Foreign body of fire-arm origin in the pterygopalatine fossa] Naĭmagon NL. **Zh Ushn Nos Gorl Bolezn** (2):112–4, Mar–Apr 75 **(Rus)**

[Delayed post-traumatic pleuropericarditis. Its relation to post-pericardiotomy. Report of 3 cases] Martínez-Orozco F, et al. **Rev Clin Esp** 139(5):469–73, 15 Dec 75 **(Spa)**

DIAGNOSIS

Transabdominal gunshot wounds of the hip. Neviaser RJ, et al. **South Med J** 69(6):757–8, 763, Jun 76

[Shot or stab?] Holzer JF. **Arch Kriminol** 151(3–4):81–5, Mar–Apr 73 **(Ger)**

[The determination of absolute close-range shots. Comparative studies by means of light microscope, flameless atomic absorption and radiospectrometry] Barz J, et al. **Beitr Gerichtl Med** 33:273–9, 1975 (Eng. Abstr.) **(Ger)**

[Estimation of the diameter of the shot dispersal in a partial area of the wound] Lisitsyn AF. **Sud Med Ekspert** 18(4):41–2, Oct–Dec 75 (Eng. Abstr.) **(Rus)**

[Mechanism of gunshot wounds of the blood vessels and their treatment at medical evacuation stages] Lytkin MI, et al. **Voen Med Zh** (12):27–33, Dec 75 **(Rus)**

HISTORY

Prominent medicine convenes at Lumberton, 1887. Henderson AR. **J Med Soc NJ** 73(1):18–2, Jan 76

The aftermath of the Wallace shooting: a Maryland medical success story. Taylor E. **Md State Med J** 25(5):35–50, May 76

[History of the management of gunshot wounds of the abdominal cavity] Saenko AI. **Zdravookhr Kirg** (3):49–52, May–Jun 75 **(Rus)**

OCCURRENCE

Editorial: 28,000 Gun deaths a year: what is our role? Baker SP. **J Trauma** 16(6):510–1, Jun 76

Letter: Stud gun injuries. Schmid WH. **JAMA** 235(12):1209, 22 Mar 76

PATHOLOGY

An experimental study of the backward movement of President Kennedy's head. Lattimer JK, et al. **Surg Gynecol Obstet** 142(2):246–54, Feb 76

[An entrance or an exit gunshot wound? Report of a case] Dirnhofer R. **Monatsschr Unfallheilkd** 78(11):544–50, Nov 75 (Eng. Abstr.) **(Ger)**

[Unusual case of fire-arm injury] Norbert Z, et al. **Morphol Igazsagugyi Orv Sz** 16(1):52–3, Jan 76 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

Circulatory disturbances following missile wounding of soft tissue. Lewis DH, et al. **Acta Radiol [Diagn] (Stockh)** 16(5):481–93, Sep 75

Cardiovascular effects of venous blood from missile wounds. Rybeck B, et al. **Eur Surg Res** 7(4–5):193–204, 1975

Early changes in capillary flow and transport following missile wounds. Rybeck B, et al. **Microvasc Res** 10(3):267–75, Nov 75

RADIOGRAPHY

Soft tissue radiography in determining contact and near-contact gunshot wounds. Rivers RL, et al. **J Forensic Sci** 21(2):373–7, Apr 76

[Thoracic gunshot-injury with penetration of the pericardium in a 15-year-old student] Neumann G, et al. **Z Gesamte Inn Med** 30(12):429–32, 15 Jun 75 (Eng. Abstr.) **(Ger)**

[Survival time, capacity of action and radiological diagnosis after gunshot wounds of the cranium (author's transl)] Klages U, et al. **Z Rechtsmed** 76(4):307–19, 10 Dec 75 (Eng. Abstr.) **(Ger)**

[Traumatic hemobilia. Diagnosis and selective follow-up arteriography of the celiac trunk. Report of 2 cases] Widman A, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):522–6, Nov–Dec 75 (Eng. Abstr.) **(Por)**

[A clinical case of a fire arm wound (air gun) in the cervical region. Clinical manifestations and treatment] Gras Albert JR, et al. **An Otorrinolaringol Ibero Am** 2(3):21–6, 1975 (Eng. Abstr.) **(Spa)**

REHABILITATION

[Rehabilitation of World War II disabled operated on at the A. V. Vishnevskii Surgical Institute in connection with blind gunshot wounds of the lungs] Vishnevskiĭ AA, et al. **Vestn Akad Med Nauk SSSR** (12):29–33, 1975 **(Rus)**

SURGERY

Gunshot wounds of the suprarenal abdominal aorta. Buchness MP, et al. **Am Surg** 42(1):1–7, Jan 76

Gunshot wounds of the suprarenal abdominal aorta. Wiser EH, et al. **Am Surg** 42(6):430–5, Jun 76

Bullet emboli to the pulmonary artery: a report of 2 patients and review of the literature. Stephenson LW, et al. **Ann Thorac Surg** 21(4):333–6, Apr 76

Gunshot wounds of the abdomen. A review of 277 cases.

Dawidson I, et al. **Arch Surg** 111(8):862–5, Aug 76

Reconstruction of an orbito–facio–cranial gunshot wound. Zamick P. **Br J Plast Surg** 29(1):92–6, Jan 76

Facial gunshot wounds. pp. 55–69. Barr DR.
In: Guibor P, Smith B, ed. Contemporary oculoplastic surgery. New York, Stratton, 1974. WW 168 A5104c 1974.

Major venous injuries and bullet wounds. Ayres ML, et al. **Injury** 7(3):221–4, Feb 76

Traumatic fistula of right coronary artery to right auricle. Rey–Baltar E, et al. **J Cardiovasc Surg (Torino)** Spec No:745–7, 1973

Gunshot wounds to the head and neck. Kenefick TC. **J Laryngol Otol** 90(4):335–44, Apr 76

An old soldier's wound. Jones BV. **J R Nav Med Serv** 61(1):11–5, Spring 75

Gunshot wounds to the ureter. Eickenberg HU, et al. **J Trauma** 16(7):562–5, Jul 76

Traumatic injuries of the duodenum: a comparison of 1 degrees closure and the jejunal patch. McInnis WD, et al. **J Trauma** 15(10):847–53, Oct 75

Penetrating trauma of colon, cava, and cord. Wilson TH Jr. **J Trauma** 16(5):411–3, May 76

Suboccipital false aneurysm : treated with ligation of both vertebral arteries. Bagchi AK, et al. **Neurol India** 23(2):100–4, Jun 75

Gunshot and fragment wounds of the metacarpus. Elton RC, et al. **South Med J** 68(7):833–43, Jul 75

[Treatment of various types of gunshot wounds in the face] Hanek P, et al. **Cesk Stomatol** 75(5):363–70, Sep 75 (Eng. Abstr.) **(Cze)**

[Lesions of the ureter due to bullet wound. Means of exploration and management] Sarramon JP, et al. **J Urol Nephrol (Paris)** 81(1–2):144–9, Jan–Feb 75 **(Fre)**

[Surgical therapy of gunshot and explosion injuries] Hammer U, et al. **Fortschr Kiefer Gesichtschir** 19:211–5, 1975 **(Ger)**

[Gunshot wounds and their consequences in the jaw and facial region] Machtens E, et al. **Fortschr Kiefer Gesichtschir** 19:208–11, 1975 **(Ger)**

[Penetrating shot injury of the intern carotid artery (author's transl)] Vécsei V, et al. **Thoraxchirurgie** 24(3):190–4, Jun 76 (Eng. Abstr.) **(Ger)**

[Current problems of treatment of gunshot wounds at medical evacuation stations] Sichkaruk IA. **Klin Khir** (5):11–3, May 75 **(Rus)**

[Results of the treatment of gunshot wounds in peacetime] Sichkaruk IA, et al. **Klin Khir** (12):25–7, Dec 75 **(Rus)**

[Intramedullary fixation of nails in gunshot fractures of the bones of the shin] Belousov AE. **Ortop Travmatol Protez** (1):67–9, Jan 76 **(Rus)**

[Metal osteosynthesis in the system of the staged treatment of wounded patients with gunshot fractures of the bones on the extremities] Il'enkov SI. **Voen Med Zh** (6):27–31, Jun 76 **(Rus)**

[Surgical approach in gunshot wounds of the blood vessels] Shaposhnikov IuG, et al. **Voen Med Zh** (10):18–22, Oct 75 **(Rus)**

[Experimental delay of primary surgical treatment of war injuries] Albreht M, et al. **Acta Chir Iugosl** 23(1 Suppl):65–7, 1976 **(Ser)**

[Peacetime shooting injuries of the long bones] Gigic A, et al. **Acta Chir Iugosl** 23(1 Suppl):239–43, 1976 **(Ser)**

[Current problems in the treatment of wounds due to gunshot in the defensive war] Jekic M. **Acta Chir Iugosl** 23(1 Suppl):75–7, 1976 (Eng. Abstr.) **(Ser)**

[Injuries of the urogenital tract in our material] Jovanovic T, et al. **Acta Chir Iugosl** 23(1 Suppl):325–9, 1976 **(Ser)**

[Abdominal injuries due to firearms] Milic T, et al. **Acta Chir Iugosl** 23(1 Suppl):291–4, 1976 **(Ser)**

[Injuries of the central nervous system by firearms] Momcilovic A, et al. **Acta Chir Iugosl** 23(1 Suppl):201–3, 1976 **(Ser)**

[Gunshot injuries of the gastroduodenal region] Tomanovic A, et al. **Acta Chir Iugosl** 23(1 Suppl):285–9, 1976 (Eng. Abstr.) **(Ser)**

[Gunshot injuries of the limbs (5 years of experience; 1970–1975)] Zajic Z, et al. **Acta Chir Iugosl** 23(1 Suppl):229–38, 1976 (Eng. Abstr.) **(Ser)**

THERAPY

A report on missile injuries in Cyprus 1974. Malpass CP, et al. **Br J Surg** 63(6):482–7, Jun 76

[Clinical aspects of gunshot wounds with special reference to thoracic and abdominal wounds] Bedacht R. **Hefte Unfallheilkd** (121):237–41, 1975 **(Ger)**

[Treatment of gunshot wounds in the thoracic area] Zichner L, et al. **Hefte Unfallheilkd** (121):241–4, 1975 **(Ger)**

[Traumatic lesions of the great vessels during the Yom Kippur War] Chaimoff C, et al. **Harefuah** 89(4):147–9, 15 Aug 75 (Eng. Abstr.) **(Heb)**

[Chest injuries in the yom kippur war] Kalter J, et al. **Harefuah** 89(3):107–10, 1 Aug 75 (Eng. Abstr.) **(Heb)**

WOUNDS, NONPENETRATING

Renal artery injuries following blunt trauma. Göthlin J, et al. **Acta Chir Scand** 142(2):165–71, 1976

Blunt pancreatic and pancreaticoduodenal trauma. Heyse–Moore GH. **Br J Surg** 63(3):226–8, Mar 76

Blunt ocular trauma and hyphema. Read JE, et al. **Int Ophthalmol Clin** 14(4):57–97, Winter 74

Blunt liver trauma: an analysis of 75 treated patients. Corica A, et al. **J Trauma** 15(9):751–6, Sep 75

Linear abdominal trauma. Danto LA, et al. **J Trauma** 16(3):179–83, Mar 76

Factors influencing outcome after blunt duodenal injury. Lucas CE, et al. **J Trauma** 15(10):839–46, Oct 75

Closed duodenal injuries. Kessler E. **S Afr J Surg** 13(1):15–20, Mar 75

Electrophysiological and pathological investigation of concussional injury. An Experimental study. Hart JCD, et al. **Trans Ophthalmol Soc UK** 95(2):326–34, Jul 75

Injuries to scrotal contents by blunt trauma. Redman JF, et al. **Urology** 7(2):190–1, Feb 76

[Visceral angiography after blunt injuries of stomach and loins (author's transl)] Procházka J, et al. **Cesk Radiol** 30(1):40–8, Jan 76 (Eng. Abstr.) **(Cze)**

[Traumatic stenosis of duodenum (author's transl)] Sehr A, et al. **Cesk Radiol** 30(1):49–52, Jan 76 (Eng. Abstr.) **(Cze)**

[Rupture of the main bronchus due to nonpenetrating chest injury] Kulik II, et al. **Klin Khir** (11):79–80, Nov 75 **(Rus)**

BLOOD

Biochemical quantification of blunt injuries. Alho A, et al. **Eur J Intensive Care Med** 1(2):61–4, May 75

Letter: Abnormal coagulation and trauma. Malleson PN. **Lancet** 2(7893):1395, 7 Dec 74

COMPLICATIONS

Acute coronary occlusion following blunt injury to the chest in the absence of coronary atherosclerosis. Oren A, et al. **Am Heart J** 92(4):501–5, Oct 76

Tricuspid insufficiency due to nonpenetrating trauma. Kessler KM, et al. **Am J Cardiol** 37(3):442–4, 4 Mar 76

Fat embolism in severely injured patients. Lepistö P, et al. **Ann Chir Gynaecol Fenn** 64(4):198–202, 1975

Transection of the innominate artery due to blunt chest trauma: successful immediate repair in 2 consecutive patients. Subramanian VA, et al. **Ann Thorac Surg** 21(4):357–60, Apr 76

Posttraumatic dysautonomic cephalalgia. Clinical observations and treatment. Vijayan N, et al. **Arch Neurol** 32(10):649–52, Oct 75

Constrictive pericarditis following mild non–penetrating trauma. Rasaretnam R, et al. **Aust NZ J Med** 5(1):57–62, Feb 75

Diaphragmatic rupture with cardiac tamponade. Handley DV, et al. **Aust NZ J Surg** 45(2):155–7, May 75

Complete avulsion of the renal pedicle due to blunt injury to abdomen. Jenkins DG, et al. **Br J Urol** 48(1):12, Feb 76

Isolated vocal–cord paralysis following blunt trauma to the chest. Carter SL, et al. **Chest** 69(2):250, Feb 76

Blunt ocular trauma: posterior polar changes. pp. 183–93. Schatz H.
In: Guibor P, Guibor M, ed. Techniques of anophthalmic cosmesis. New York, Stratton, 1976. WW 205 A512t 1976.

Delayed rupture of the spleen. Dahiya SL, et al. **Int Surg** 61(5):295–6, May 76

Blunt trauma to the main hepatic artery. Pastershank SP, et al. **J Can Assoc Radiol** 26(4):263–5, Dec 75

Blunt traumatic rupture of the atria. Smith JM 3d, et al. **J Thorac Cardiovasc Surg** 71(4):617–20, Apr 76

Gastric necrosis from blunt abdominal trauma. Garfinkle SE, et al. **J Trauma** 16(5):405–7, May 76

Rupture of the diaphragm caused by blunt trauma. McCune RP, et al. **J Trauma** 16(7):531–7, Jul 76

The superior gluteal: an artery at risk in blunt pelvic trauma. Smith K, et al. **J Trauma** 16(4):273–9, Apr 76

Control of haemorrhage from hepatic vein and vena cava after blunt trauma. Orlay G. **Med J Aust** 2(17):677–9, 25 Oct 75

Nursing care study: bilateral ruptured ureters due to blunt trauma. Quinn SJ. **Nurs Times** 71(48):1892–4, 27 Nov 75

Echographic evaluation of splenic injury after blunt trauma. Asher WM, et al. **Radiology** 118(2):411–5, Feb 76

Post–traumatic pneumatocele in the inferior pulmonary ligament. Ravin CE, et al. **Radiology** 121(1):39–41, Oct 76

Rupture of the jejunum secondary to blunt trauma in a football player. Holt RW, et al. **South Med J** 69(3):281, 285, Mar 76

Hemopneumothorax following blunt trauma of the thorax. Sturm JT, et al. **Surg Gynecol Obstet** 141(4):539–40, Oct 75

Post–traumatic intestinal obstruction. Shively E, et al. **Surgery** 79(6):612–7, Jun 76

Mitral incompetence and ventricular septal defects following non–penetrating injury. Anyanwu CH. **Thorax** 31(1):113–7, Feb 76

Retinal opacification after blunt non–perforating concussional injuries to the globe. A clinical and retinal fluorescein angiographic study. Hart JC, et al. **Trans Ophthalmol Soc UK** 95(1):94–100, Apr 75

Traumatic renal artery thrombosis with acute malignant hypertension and hyperreninemia. Richie JP, et al. **Urology** 6(4):481–4, Oct 75

[Lethal subarachnoidal hemorrhage from a cerebellar angioma following a blunt violent injury] Cardauns H. **Beitr Gerichtl Med** 33:112–6, 1975 (Eng. Abstr.) **(Ger)**

[Isolated rupture of the interventricular septum after blunt chest trauma (author's transl)] Mössler U, et al. **Thoraxchirurgie** 23(6):578–83, Dec 75 (Eng. Abstr.) **(Ger)**

[Rupture of the intima of both renal arteries in blunt abdominal injury] Seeliger J. **Z Urol Nephrol** 69(4):281–4, Apr 76 **(Ger)**

[Rupture of the internal carotid artery following blunt cranio–cerebral trauma] Kretschmer H, et al. **Zentralbl Neurochir** 36(1):41–6, 1975 (Eng. Abstr.) **(Ger)**

[Successful surgical treatment in a case of complete disruption and cicatricial occlusion of the left main bronchus due to non–pentrating thoracic injury] Fujimura S, et al. **Jpn J Thorac Surg** 29(1):22–6, Jan 76 (Eng. Abstr.) **(Jpn)**

[Rupture of the duodenum due to blunt injury] Kraljević L, et al. **Acta Chir Iugosl** 23(1):59–68, 1976 (Eng. Abstr.) **(Ser)**

DIAGNOSIS

Efficiency of tube paracentesis without lavage in detecting minimal intraperitoneal bleeding. Shaw RB, et al. **Am Surg** 42(4):244–6, Apr 76

Blunt abdominal trauma: a prospective study with selective peritoneal lavage. Ahmad W, et al. **Arch Surg** 111(4):489–92, Apr 76

Editorial: Occult abdominal injury. **Br Med J** 1(6020):1236–7, 22 May 76

Diagnostic peritoneal lavage in blunt abdominal trauma. Engrav LH, et al. **J Trauma** 15(10):854–9, Oct 75

Blunt trauma involving the colon and rectum. Howell HS, et al. **J Trauma** 16(08):624–32, Aug 76

Diagnostic peritoneal lavage in blunt and penetrating abdominal trauma. Giraud RM, et al. **S Afr Med J** 49(42):1759–60, 4 Oct 75

Scanning in the diagnosis of hepatic and splenic trauma. Fitzer PM. **Va Med Mon** 103(1):30–3, Jan 76

[Pulmonary function test in blunt thoracic injuries using nuclear medicine methods] Lugger LJ, et al. **Hefte Unfallheilkd** (121):217–20, 1975 **(Ger)**

[Blunt heart injuries] Glinz W, et al. **Zentralbl Chir** 101(10):608–16, 1976 **(Ger)**

[Blunt abdominal injuries–intra–abdominal explosions in the defensive war] Sivcev I. **Acta Chir Iugosl** 23(1 Suppl):305–6, 1976 **(Ser)**

[Blunt injuries of the pancreas] Kratina V. **Rozhl Chir** 55(7):476–82, Jul 76 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

[Treatment of granulating wounds with applications of desoxycorticosterone] Saakian TsA. **Khirurgiia (Mosk)** (2):131–2, Feb 76 **(Rus)**

ETIOLOGY

Roll seat belt induced injury of the duodenum. Bergqvist D, et al. **J Trauma** 16(5):390–4, May 76

Blunt trauma involving the colon and rectum. Howell HS, et al. **J Trauma** 16(08):624–32, Aug 76

[Heart injury due to blunt violence] Fischer B, et al. **Fortschr Med** 94(20–21):1158–9, 15 July 76 (Eng. Abstr.) **(Ger)**

MORTALITY

Analysis of fatal blunt trauma presenting at an areawide trauma center. Bartley VH. **Ill Med J** 148(5):511–5, Nov 75

[Mortality in blunt abdominal injuries in combination with commotio cerebri] Belgerden S, et al. **Zentralbl Chir** 100(23):1436–9, 1975 **(Ger)**

PATHOLOGY

Experimental study on the articular cartilage injured by minor cyclical impulsion. Fukushima M. **Yonago Acta Med** 19(2):121–37, Aug 75

[Injuries in killings by trampling under foot] Reh H, et al. **Beitr Gerichtl Med** 33:148–53, 1975 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Experimental closed heart trauma] Gorlachev VI, et al. **Kardiologiia** 16(1):131–2, Jan 76 **(Rus)**

RADIOGRAPHY

The role of emergency excretory urography in evaluation of blunt, abdominal trauma. McDonald EJ, et al. **Am J Roentgenol** 126(4):739–42, Apr 76

The role of angiography in diagnosis and management of blunt renal trauma. Lipsky H, et al. **Br J Urol** 47(7):711–20, 1975

Intramural hematoma of the duodenum. Prathikanti V, et al. **South Med J** 69(4):490–2, Apr 76

Trauma of the bladder. Brosman SA, et al. **Surg Gynecol Obstet** 143(4):605–8, Oct 76

[Diagnosis and differential diagnosis of blunt splenic injury in the angiogram] Köhler K, et al. **Zentralbl Chir** 101(9):549–55, 1976 **(Ger)**

SURGERY

Diagnosis and management of pancreatic trauma. Babb J, et al. **Am Surg** 42(6):390–4, Jun 76

Rupture and successful repair of the heart following blunt chest injury. Mattila S. **Ann Chir Gynaecol** 65(2):145–7, 1976

Laryngeal suspension and epiglottic flap in laryngopharyngeal trauma. Olson NR. **Ann Otol Rhinol Laryngol** 85(4 Pt 1):533–7, Jul–Aug 76

Major hepatic vein ligation necessitated by blunt abdominal trauma. Depinto DJ, et al. **Ann Surg** 183(3):243–6, Mar 76

Management of tracheobronchial disruption secondary to nonpenetrating trauma. Kirsh MM, et al. **Ann Thorac Surg** 22(1):93–101, Jul 76 (31 ref.)

Acute blunt traumatic rupture of the diaphragm in children. Melzig EP, et al. **Arch Surg** 111(9):1009–11, Sep 76

Management of injuries to the suprahepatic vena cava. Franklin RH, et al. **J Ky Med Assoc** 74(3):125–7, Mar 76

Surgical treatment for closed thoracic aortic injuries. Appelbaum A, et al. **J Thorac Cardiovasc Surg** 71(3):458–60, Mar 76

Operative stabilization of nonpenetrating chest injuries. Moore BP. **J Thorac Cardiovasc Surg** 70(4):619–30, Oct 75

Traumatic pseudoaneurysms: a review of 32 cases. Bole PV, et al. **J Trauma** 16(1):63–70, Jan 76

Traumatic injuries of the duodenum: a comparison of 1 degrees closure and the jejunal patch. McInnis WD, et al. **J Trauma** 15(10):847–53, Oct 75

A unified concept of renal trauma. Radwin HM, et al. **J Urol** 116(1):20–2, Jul 76

The diagnosis and treatment of brachial plexus lesions. Sarkin TL. **S Afr J Surg** 13(2):107–11, Jun 75

Major hepatic trauma: a 6–year experience. Swank M. **Va Med Mon** 103(3):192–4, 238, Mar 76

[Injuries of the gallbladder and the bile ducts in blunt abdominal trauma (author's transl)] Alawneh I, et al. **Unfallheilkunde** 79(7):327–30, Jul 76 (Eng. Abstr.) **(Ger)**

[Blunt abdominal injury and its therapeutic consequences] Mikus E. **Zentralbl Chir** 100(23):1432–5, 1975 **(Ger)**

[Personal experiences in the treatment of closed abdominal trauma] Przedpelski S, et al. **Pol Przegl Chir** 48(3):353–6, Mar 76 (Eng. Abstr.) **(Pol)**

[Blunt injury of the heart from the aspect of the surgeon and cardiologist] Mikuláš J, et al. **Rozhl Chir** 55(3):197–203, Mar 76 (Eng. Abstr.) **(Slo)**

THERAPY

Blunt trauma to the chest. Alberty RE, et al. **Am Surg** 42(7):511–6, Jul 76

Blunt thoracic trauma in multiple injury. den Otter G. **Arch Chir Neerl** 27(4):229–35, 1975

Blunt thoracic trauma. Vijayaragavan A, et al. **Ceylon Med J** 20(3):178–82, Sep 75

[Emergencies in blunt trauma of the thorax] Delacroix G, et al. **Rev Med Suisse Romande** 96(7):511–9, Jul 76 **(Fre)**

[Experiences with blunt lung injuries] Roscher R, et al. **Hefte Unfallheilkd** (121):209–11, 1975 **(Ger)**

VETERINARY

Biochemical changes occurring after blunt chest trauma in monkeys. Davis RH, et al. **Lab Anim Sci** 26(1):38–50, Feb 76

The contribution of horned cattle to carcase bruising. Shaw FD, et al. **Vet Rec** 98(13):255–7, 27 Mar 76

WOUNDS, PENETRATING

Simultaneous penetrating injury of the trachea and esophagus by a knife jammed into the vertebral body. Das PB. **Int Surg** 61(3):160–1, Mar 76

Massive venous injuries associated with penetrating wounds of the liver. Burns RP, et al. **J Trauma** 15(9):757–65, Sep 75

Penetrating intracranial foreign bodies in children. Dujovny M, et al. **J Trauma** 15(11):981–6, Nov 75

A stud (cartridge) gun suicide (a case report). Goonetilleke UK. **Med Sci Law** 16(3):181–4, Jul 76

Puncture wounds of the foot. Fitzgerald RH Jr, et al. **Orthop Clin North Am** 6(4):965–72, Oct 75

Perforating injuries involving the posterior segment. Eagling EM. **Trans Ophthalmol Soc UK** 95(2):335–9, Jul 75

[Perforating eye injuries through breakage of the windshield studies at the C.H.U. at Rouen during the last 8 years. Study of bilateral injuries] Marx P, et al. **Bull Soc Ophtalmol Fr** 75(9–10):881–4, Sep–Oct 76 **(Fre)**

[Impalement injuries in childhood] Heiss WH. **Hefte Unfallheilkd** (124):344–6, 1975 **(Ger)**

[Impalement injuries of the pelvic area, therapy and results] Scholz R, et al. **Hefte Unfallheilkd** (124):328–30, 1975 **(Ger)**

[Perineal impalement injury (1966–1972)] Stern W. **Hefte Unfallheilkd** (124):321–4, 1975 **(Ger)**

[Penetrating wound of the pelvis through the obturator foramen with injury of the penis] Mun NV. **Vestn Khir** 115(8):106, Aug 75 **(Rus)**

[Stab–cut wounds of the heart] Sergeev VP, et al. **Zdravookhr Kirg** (3):53–4, May–Jun 75 **(Rus)**

COMPLICATIONS

Internal carotid artery occlusion due to intraoral trauma. Case report. Holyst J. **Acta Neurochir (Wien)** 33(3–4):325–9, 1976

Esophageal disruption from blunt and penetrating external trauma. Splener CW, et al. **Arch Surg** 111(6):663–7, Jun 76

Penetrating injury of the chest and coronary arteriovenous fistula. Mukherjee DK, et al. **Chest** 69(6):793–5, Jun 76

Cognitive deficits in patients with unilateral war–related frontal lobe lesions. Black FW. **J Clin Psychol** 32(2):366–72, Apr 76

Temporal lobe dysfunction. A case report. Curran DJ, et al. **J Kans Med Soc** 77(1):14–6, Jan 76

Two false aneurysms of the common carotide artery—a delayed complication of penetrating cervical trauma. Arpin EJ, et al. **J Trauma** 15(11):976–80, Nov 75

[A dangerous perforating injury of the soft palate in childhood (author's transl)] Gülzow J, et al. **Laryngol Rhinol Otol (Stuttg)** 54(8):635–9, Aug 75 (Eng. Abstr.) **(Ger)**

[Angiomatous deformities and traumatic a.–v. fistulas in the neck region] Agnoli A, et al. **Zentralbl Neurochir** 35(3):201–8, 1974 **(Ger)**

[Abdominal wound with multiple injuries of the abdominal organs] Rebeko VIa. **Vestn Khir** 114(5):97–8, May 75 **(Rus)**

DIAGNOSIS

Unusual manifestations of penetrating cardiac injuries. Fallah–Nejad M, et al. **Arch Surg** 110(11):1357–62, Nov 75

Ballbearing–bomb injuries. Teare RD. **Br Med J** 1(6005):310–11, 7 Feb 76

Thoracoscopy as an aid to the diagnosis of diaphragmatic injury in penetrating wounds of the left lower chest: a preliminary report. Jackson AM, et al. **Injury** 7(3):213–7, Feb 76

Facio–orbito–cranial missile wounds. Dillon JD Jr, et al. **Surg Neurol** 4(6):515–8, Dec 75

[Hazards of 'empty' anamnesis in impalement injuries] Serfling HJ, et al. **Hefte Unfallheilkd** (124):320–1, 1975 **(Ger)**

DRUG THERAPY

The protective role of intraperitoneal antibiotic irrigation in contaminated penetrating wounds of the cecum. Rakower SR, et al. **Surgery** 80(3):405–10, Sep 76

ETIOLOGY

Pseudomonas osteomyelitis following puncture wounds. MacKinnon AE. **Postgrad Med J** 51(591):33–4, Jan 75

PATHOLOGY

Pathological changes after trauma. Barry DR. **Trans Ophthalmol Soc UK** 95(2):340–5, Jul 75

Cell patterns in open wound healing. Light and electron microscopic observations. Kim CS, et al. **Yonsei Med J** 16(2):83–98, 1975

[Histological examination of a corneal penetrating wound treated by means of contact lenses and the classical method] Szymankiewiczowa S, et al. **Klin Oczna** 46(1):9–14, Jan 76 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Venography in penetrating injuries of the extremities. Gerlock AJ Jr, et al. **Am J Roentgenol** 126(5):1023–7, May 76

Arthrography in penetrating injuries. Fordham SD, et al. **JACEP** 5(4):265–7, Apr 76

Trauma of the bladder. Brosman SA, et al. **Surg Gynecol Obstet** 143(4):605–8, Oct 76

SURGERY

Severe perforating injuries treated with pars plana vitrectomy. Benson WE, et al. **Am J Ophthalmol** 81(6):728–32, Jun 76

Vitrectomy in the treatment of ocular perforating injuries. Hutton WL, et al. **Am J Ophthalmol** 81(6):733–9, Jun 76

Diagnosis and management of pancreatic trauma. Babb J, et al. **Am Surg** 42(6):390–4, Jun 76

Penetrating cardiac wounds: A comparison of different therapeutic methods. Symbas PN, et al. **Ann Surg** 183(4):377–81, Apr 76

Letter: Primary repair of colonic injuries. Smith JS. **Arch Surg** 111(6):724–5, Jun 76

Penetrating injuries of the neck. Thavendran A, et al. **Injury** 7(1):58–60, Aug 75

Proceeding: Surgical management of penetrating injuries to the coronary arteries. Espada R, et al. **J Cardiovasc Surg (Torino)** 17(1):97, Jan–Feb 76

Great vessel injury from penetrating trauma. Symbas PN. **J Cardiovasc Surg (Torino)** Spec No:620–5, 1973

Traumatic pseudoaneurysms: a review of 32 cases. Bole PV, et al. **J Trauma** 16(1):63–70, Jan 76

Lacerations of the lacrimal apparatus, parotid duct, and facial nerve: case report. Holt GR, et al. **J Trauma** 16(5):414–9, May 76

A time–management study of 25 patients with penetrating wounds of the chest and abdomen. Key GF, et al. **J Trauma** 16(7):524–30, Jul 76

Ninety–eight penetrating vascular injuries: a review of a two and one–half year experience. Mandal AK, et al. **J Trauma** 16(5):354–60, May 76

Management of penetrating injuries of the suprarenal aorta. Mattox KL, et al. **J Trauma** 15(9):808–15, Sep 75

Penetrating trauma of the neck. Saletta JD, et al. **J Trauma** 16(7):579–87, Jul 76

A unified concept of renal trauma. Radwin HM, et al. **J Urol** 116(1):20–2, Jul 76

Penetrating wounds of the heart and great vessels: a formidable challenge. Beall AC Jr. **Med Times** 103(11):149–56, Nov 75

How we handle penetrating wounds of the abdomen. Shaftan GW. **Med Times** 104(8):60–4, Aug 76

Prognosis and treatment of perforating ocular injuries. The John Luhr memorial lecture. Cinotti AA, et al. **Ophthalmic Surg** 6(4):54–61, Winter 75

Penetrating wounds of the neck in civilians. May M, et al. **Otolaryngol Clin North Am** 9(2):361–91, Jun 76

The diagnosis and treatment of brachial plexus lesions. Sarkin TL. **S Afr J Surg** 13(2):107–11, Jun 75

Penetrating injuries of the face and neck. Bostwick J 3rd, et al. **South Med J** 69(5):550–3, May 76

Penetrating injuries of the laryngotracheal area. Clairmont AA, et al. **South Med J** 69(5):611–3, May 76

Pars plana vitrectomy. The role of vitrectomy in penetrating ocular injuries. Hutton WL. **Trans Am Acad Ophthalmol Otolaryngol** 81(3 Pt 1):414–9, May–Jun 76

Penetrating renal injuries. Whitney RF, et al. **Urology** 7(1):7–11, Jan 76

Major hepatic trauma: a 6–year experience. Swank M. **Va Med Mon** 103(3):192–4, 238, Mar 76

[Penetrating injury of the heart as an occupational accident] Soudek K, et al. **Rozhl Chir** 55(2):104–9, Feb 76 (Eng. Abstr.) **(Cze)**

[Surgical treatment of wounds (author's transl)] Pfeiffer KM. **Ther Umsch** 32(12):769–77, Dec 75 (Eng. Abstr.) **(Ger)**

[Stab wound of the right heart ventricle] Piecuch T. **Pol Przegl Chir** 48(3):415–6, Mar 76 (Eng. Abstr.) **(Pol)**

[Bilateral penetrating wound of the chest] Blintsovskii EL. **Grudn Khir** (3):107, May–Jun 74 **(Rus)**

[Ligation of the brachiocephalic vein and thoracic duct in knife wounds] Urman MG. **Vestn Khir** 116(2):131–2, Feb 76 **(Rus)**

[Penetrating abdominal injuries in 1972–1975] Kontic M, et al. **Acta Chir Iugosl** 23(1 Suppl):301–3, 1976 **(Ser)**

[Penetrating injuries of the thorax treated in our institute in 1972–1975] Kontic M, et al. **Acta Chir Iugosl** 23(1 Suppl):273–5, 1976 **(Ser)**

THERAPY

Practical management of ocular injuries. Penetrating wounds of the anterior segment. Devoe AG. **Int Ophthalmol Clin** 14(4):99–110, Winter 74

Letter: Tracheal perforation in the neonate: treatment with a cuffed endotracheal tube. Finer NN, et al. **J Pediatr** 89(3):510–2, Sep 76

Current concepts in the management of penetrating neck trauma. Sheely CH 2d, et al. **J Trauma** 15(10):895–900, Oct 75

Emergency room care of stab wound of the abdomen. Badder EM. **Pa Med** 78(8):55–6, Aug 75

Autotransfusion: use in penetrating trauma. Mattox KL, et al. **Tex Med** 71(12):69–77, Dec 75

[First aid in impalement injuries] von Foerster G. **Hefte Unfallheilkd** (124):326–8, 1975 **(Ger)**

[Suitability of contact lenses in the treatment of extensive penetrating corneal wounds] Szymankiewiczowa S. **Klin Oczna** 46(1):1–4, Jan 76 (Eng. Abstr.) **(Pol)**

[Experimental treatment of corneal penetrating wounds by means of the classical method and with contact lenses] Szymankiewiczowa S. **Klin Oczna** 46(1):5–8, Jan 76 **(Pol)**

WOUNDS, STAB

Spontaneous closure of a traumatic ventricular septal defect following a penetrating injury. Midell AI, et al. **Ann Thorac Surg** 20(3):339–42, Sep 75

The dynamics of stab wounds. Knight B. **Forensic Sci** 6(3):249–55, Dec 75

'Bironic' manual transfixion. Batten RL. **Injury** 7(3):212, Feb 76

Proceedings: Sixteen cases of transorbital stab wounds of the head. de Villiers JC. **J Neurol Neurosurg Psychiatry** 38(8):822, Aug 75

Letter: Stab wounds in the abdomen. du Toit DF. **S Afr Med J** 49(34):1374, 9 Aug 75

Letter: Violence and children: a case report. Maraspini C. **S Afr Med J** 49(43):1773, 11 Oct 75

Trauma rounds: injuries to duodenum, small intestine and mesentery. **West J Med** 123(6):499–502, Dec 75

[Suicide of a woman by multiple gash, cut and stab wounds] Bauer G. **Arch Kriminol** 157(1–2):23–9, Jan–Feb 76 **(Ger)**

[Standard stabbing tests from a slanting direction] Schweitzer H, et al. **Beitr Gerichtl Med** 32:233–7, 1974 (Eng. Abstr.) **(Ger)**

[Combined stab injuries of the liver, common bile duct and portal vein] Moguchev VM. **Vestn Khir** 115(12):80–1, Dec 75 **(Rus)**

[Survival after knife stab wound through the wall of the left ventricle] Lindholmer C. **Lakartidningen** 73(26–27):2428–9, 23 Jun 76 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Pathologic correlations in a case of complete heart block with split His potentials resulting from a stab wound of the heart. Bharati S, et al. **Am J Cardiol** 38(3):388–93, Sep 76

Diaphragmatic hernia as a long–term complication of stab wounds of the chest. Kessler E, et al. **Am J Surg** 132(1):34–9, Jul 76

Penetrating diaphragmatic hernia. Arthornthurasook A, et al. **J Med Assoc Thai** 59(3):141–2, Mar 76

Traumatic pulmonary arteriovenous fistula. Arom KV, et al. **J Thorac Cardiovasc Surg** 70(5):918–20, Nov 75

Stab wound causing mesenteric–portal arteriovenous fistula: an unusual case with a spontaneous closure. Smith GR, et al. **J Trauma** 16(5):408–10, May 76

Acute renal failure in trauma patients. Humphreys MH, et al. **West J Med** 123(2):148–53, Aug 75

[Pulmonary embolism, an unrecognized risk of post-traumatic arterio–venous fistulae of the hepatic veins (1 case)] Huguet C, et al. **J Chir (Paris)** 110(4):341–8, Oct 75 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnostic peritoneal lavage in blunt and penetrating abdominal trauma. Giraud RM, et al. **S Afr Med J** 49(42):1759–60, 4 Oct 75

[Death due to 'harakiri' or gasoline fumes?] Beckmann G, et al. **Arch Kriminol** 154(3–4):77–82, Sep–Oct 74 **(Ger)**

[Heart stab, homicide or suicide] Haarhoff K, et al. **Arch Kriminol** 155(3–4):103–9, Mar–Apr 75 **(Ger)**

[Shot or stab?] Holzer JF. **Arch Kriminol** 151(3–4):81–5, Mar–Apr 73 **(Ger)**

[Injury by means of sharks' teeth in connection with legal medicine] Budrin IuP. **Sud Med Ekspert** 18(3):41–2, Jul–Sep 75 **(Rus)**

SURGERY

Selective surgery for abdominal stab wounds. Thavendran A, et al. **Br J Surg** 62(9):750–2, Sep 75

Stab wounds of the abdomen (a study of 75 cases). Rajdeo HP, et al. **Indian J Med Sci** 29(2–3):54–9, Feb–Mar 75

Letter: Stab wounds of the abdomen. Hendry DT. **S Afr Med J** 49(42):1728, 4 Oct 75

[Extensive stab wound of the heart] Volnohradský R, et al. **Rozhl Chir** 55(1):55–60, Jan 76 (Eng. Abstr.) **(Cze)**

[Stab wounds of the lung and heart] Viikari S, et al. **Zentralbl Chir** 101(2):97–101, 1976 **(Ger)**

[Experiences with acute thoracic injuries] Wolf W. **Zentralbl Chir** 100(23):1429–31, 1975 **(Ger)**

[Unusual injury of the axillary artery] Balogh A, et al. **Orv Hetil** 117(7):416–7, 15 Feb 76 **(Hun)**

[Knife wound of the vena cava inferior] Sedov VM. **Vestn Khir** 115(10):133–134, OCT 75 **(Rus)**

WR 2823 see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

WR 33063 see under **PHENANTHRENES**

WRESTLING see under **SPORTS**

WRIST

Extension contracture of the wrist caused by fibrosis of the extensor carpi radialis longus muscle. Spinner M, et al. **Bull Hosp Joint Dis** 36(2):130–6, Oct 75

Sarcoidosis presenting as a wrist tumour. Cashman WF, et al. **Hand** 8(2):155–7, Jun 76

A variation in the path of the deep motor branch of the ulnar nerve at the wrist. Lassa R, et al. **J Bone Joint Surg [Am]** 57(7):990–1, Oct 75

Device for assistive and resistive exercise for wrist and hand. Tigny RL. **Phys Ther** 56(4):426–7, Apr 76

The painful wrist. Maudsley RH. **Practitioner** 215(1285):42–5, Jul 75

Isolated lesions of the radio–ulnar disk treated with excision. Mossing N. **Scand J Plast Reconstr Surg** 9(3):231–3, 1975

Tuberculosis of the wrist: a report of ten cases. Brashear HR, et al. **South Med J** 68(11):1345–9, Nov 75

ABNORMALITIES

Unusual metaphyseal chondrodysplasia with wrist deformities. Kaitila I, et al. **Birth Defects** 11(6):354–5, 1975

Dyschondrosteosis and Madelung's deformity. Report of three kindreds and review of the literature. Beals RK, et al. **Clin Orthop** (116):24–8, May 76

The Madelung deformity. Matev I, et al. **Hand** 7(2):152–8, Jun 75

Madelung's deformity. An end–result study of surgical treatment. Ranawat CS, et al. **J Bone Joint Surg [Am]** 57(6):772–5, Sep 75

Madelung's disease of the wrist and dyschondrosteosis. Golding JS, et al. **J Bone Joint Surg [Br]** 58(3):350–2, Aug 76

ANATOMY & HISTOLOGY

Further observations on the anatomy of the ulnar nerve at the wrist. McFarlane RM, et al. **Hand** 8(2):115–7, Jun 76

The influence of wrist position on the force produced by the finger flexors. Hazelton FT, et al. **J Biomech** 8(5):301–6, Sep 75

Morphometric affinities in the forelimb of anthropoid primates. Corruccini RS. **Z Morphol Anthropol** 67(1):19–31, 1975 (Eng. Abstr.)

[Anatomy of the sulcus of the extensor carpi radialis tendon (author's transl)] Radke J, et al. **Z Orthop** 113(5):864–9, Oct 75 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Direct monitoring of arterial pressure in the newborn and infant: a difficult procedure made easy. Olinger GN, et al. **Ann Thorac Surg** 21(6):557–9, Jun 76

Raynaud's phenomenon due to arterial occlusive disease of the wrist and hand. Dale WA. **J Tenn Med Assoc** 69(1):22–5, 28, Jan 76

[Ulnar arterial network in the wrist and hand (apropos of 100 anatomo–radiologic preparations)] Mauppin JM, et al. **Lille Med** 20(5):490–3, May 75 **(Fre)**

GROWTH & DEVELOPMENT

Skeletal maturation of children in Okinawa. Kimura K. **Ann Hum Biol** 3(2):149–55, Mar 76

Skeletal maturity of the hand and wrist in Oaxaca school children. Malina RM, et al. **Ann Hum Biol** 3(3):211–9, May 76

Skeletal maturation of the hand and wrist in Finnish Lapps. pp. 248–54. Edgren J, et al.
In: Shephard RJ, Itoh S, ed. Circumpolar health. Toronto, Univ of Toronto Press, 1976. W3 IN916VE 1974c.

[Dynamics of the wrist phenomenon variability] Sokolowska–Pituchowa J, et al. **Cesk Radiol** 30(1):26–9, Jan 76 **(Cze)**

PATHOLOGY

Early abnormalities of pisiform and triquetrum in rheumatoid arthritis. Resnick D. **Ann Rheum Dis** 35(1):46–50, Feb 76

PHYSIOLOGY

[Significance of echotomography B in the analysis of pronation] Kamina P, et al. **Bull Assoc Anat (Nancy)** 59(167):889–92, Dec 75 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Electromyographic feedback to improve ankle dorsiflexion, wrist extension, and hand grasp. Nafpliotis H. **Phys Ther** 56(7):821–5, Jul 76

RADIOGRAPHY

A skeletal age survey of primary school children in Western Australia. Blanksby BA, et al. **Aust Paediatr J** 11(3):169–71, Sep 75

Age and order of appearance of elbow and hand–wrist ossific centres in Punjabee children from Rohtak. Prakash S. **Indian J Med Res** 63(5):640–51, May 75

SURGERY

[Approaches to the semilunar bone and their indications] Meyrueis JP, et al. **J Chir (Paris)** 110(4):317–30, Oct 75 (Eng. Abstr.) **(Fre)**

[Dorsal tenosynovectomy of the wrist in rheumatoid arthritis. Results obtained in 30 cases] Nordin JY, et al. **Rev Rhum Mal Osteoartic** 43(4):291–6, Apr 76 (Eng. Abstr.) **(Fre)**

[Osteosynthesis of pseudarthroses of the navicular bone of the wrist with a screw from a bone homotransplant] Apanasenko BG, et al. **Ortop Travmatol Protez** (10):62, Oct 75 **(Rus)**

WRIST INJURIES

Joint injuries and their sequelae. Eaton RG, et al. **Clin Plast Surg** 3(1):85–98, Jan 76

Bracelet burn–an unusual electric burn. Fisher BK, et al. **Hand** 8(2):158–60, Jun 76

Volar dislocation of the bases of the second and third metacarpals. A case report. Harwin SF, et al. **J Bone Joint Surg [Am]** 57(6):849–51, Sep 75

COMPLICATIONS

A report of 3 cases of simultaneous Colles' and scaphoid fractures. Stother IG. **Injury** 7(3):185–8, Feb 76

Galeazzi fracture–dislocations. Mikić ZD. **J Bone Joint Surg [Am]** 57(8):1071–80, Dec 75

Volar fracture dislocations of the second and third carpometacarpal joints associated with acute carpal tunnel syndrome. Weiland AJ, et al. **J Trauma** 16(08):672–5, Aug 76

[Median nerve compression in carpal tunnel caused by trauma (author's transl)] Benini A. **Ther Umsch** 32(7):423–7, Jul 75 (Eng. Abstr.) **(Ger)**

[Bilateral shoulder dislocation with wrist injury] István K, et al. **Orv Hetil** 116(40):2363–4, 5 Oct 75 **(Hun)**

DIAGNOSIS

[Luxations and subluxations of the scaphoid bone] Nigst H, et al. **Handchirurgie** 7(2):81–90, 1975 (Eng. Abstr.) **(Ger)**

SURGERY

Fractures and dislocations involving the navicular–lunate axis. Morawa LG, et al. **Clin Orthop** (118):48–53, Jul–Aug 76

Barton's fracture–dislocation of the wrist. King RE. **Curr Pract Orthop Surg** 6:133–44, 1975

Fractures of the forearm and wrist. Van Herpe LB. **Orthop Clin North Am** 7(3):543–56, Jul 76

Subluxation of the carpal navicular bone. Boyes JG. **South Med J** 69(2):141–4, Feb 76

[Our experience in the treatment of pseudarthrosis of the carpal schaphoid bone] Denischi A, et al. **Rev Chir [Chir]** 24(1):21–6, Jan–Feb 75 (Eng. Abstr.) **(Rum)**

[Treatment of carpal scaphoid psuedarthrosis with the Matti–Russe procedure] Floareş G, et al. **Rev Med Chir Soc Med Nat Iasi** 79(4):535–8, Oct–Dec 75 (Eng. Abstr.) **(Rum)**

[Treatment of fractures of phalangeal and metacarpal bones by the method of intraosseous metallic osteosynthesis] Shaposhnikov IuG, et al. **Vestn Khir** 115(7):108–11, Jul 75 (Eng. Abstr.) **(Rus)**

THERAPY

The importance of the ulnar side of the wrist in fractures of the distal end of the radius. Hollingsworth R, et al. **Injury** 7(4):263–6, May 76

[Bilateral volar luxation of the navicular and lunate bones (author's transl)] Hess P, et al. **Unfallheilkunde** 79(9):399–401, Sep 76 (Eng. Abstr.) **(Ger)**

[Fracture of the pisiform bone] Weigl K. **Harefuah** 90(1):22–3, 1 Jan 76 (Eng. Abstr.) **(Heb)**

WRIST JOINT

Synovial chondromatosis of the inferior radio–ulnar joint. Lyritis G. **Acta Orthop Scand** 47(4):373–4, Aug 76

Carpal arthritis with ankylosis in late onset Still's disease. Medsger TA Jr, et al. **Arthritis Rheum** 19(2):232–42, Mar–Apr 76

Wrist arthropathy in calcium pyrophosphate dihydrate deposition disease. Utsinger PD, et al. **Arthritis Rheum** 18(5):485–91, Sep–Oct 75

[Lunatomalacia therapy. I. Conservative treatment (author's transl)] Seibold J, et al. **Arch Orthop Unfallchir** 82(4):325–35, 28 Jul 75 (Eng. Abstr.) **(Ger)**

[Clinical experiences with a new total wrist prosthesis (author's transl)] Volz RG. **Arch Orthop Unfallchir** 85(2):205–9, 23 Jul 76 **(Ger)**

[Silastik endoprosthesis in lunatomalacia] Postel H, et al. **Z Orthop** 113(4):483–4, Aug 75 **(Ger)**

ANATOMY & HISTOLOGY

Osteometric shape relationships in the wrist joint of some anthropoids. Corruccini RS, et al. **Folia Primatol (Basel)** 24(4):250–74, 1975

PHYSIOLOGY

Joint motion of the child hand. Smahel Z. **Acta Chir Plast (Praha)** 17(3):113–24, 1975

RADIOGRAPHY

Radiographic measurements of the radio–carpal joint in normal adults. Friberg S, et al. **Acta Radiol [Diagn] (Stockh)** 17(2):249–56, Mar 76

Wrist cysts and fistulae. An arthrographic study of the rheumatoid wrist. Iveson JM, et al. **Ann Rheum Dis** 34(5):388–94, Oct 75

Rheumatoid wrist deformities and their relation to ulnar drift. Hastings DE, et al. **J Bone Joint Surg [Am]** 57(7):930–4, Oct 75

Arthritic disorders of the adult radiocarpal joint: anatomic considerations and an evaluation of fifty consecutive abnormal cases. Resnick D. **J Can Assoc Radiol** 26(2):104–11, Jun 75

Chronic synovitis in gout simulating rheumatoid arthritis. Demonstration of bilateral popliteal cysts and wrist synovial corrugation. Trentham ED, et al. **JAMA** 235(13):1358–60, 29 Mar 76

Wrist arthrography: review and comparison of normals, rheumatoid arthritis and gout patients. Trentham DE, et al. **Semin Arthritis Rheum** 5(2):105–20, Nov 75

[The enlarged saccular recess of the distal radio–ulnar joint shown of low Ke V film (author's transl)] Fischer E. **Radiologe** 15(4):157–61, Apr 75 (Eng. Abstr.) **(Ger)**

SURGERY

Total arthroplasty of the wrist to relieve pain and increase motion. Linscheid RL, et al. **Geriatrics** 31(4):48–52, Apr 76

Assessment of surgery of the rheumatoid wrist. Eiken O, et al. **Scand J Plast Reconstr Surg** 9(3):207–15, 1975

Indications for and results with the Swanson distal ulnar prosthesis. Berg E. **South Med J** 69(7):858–61, Jul 76

[Biomechanical and clinical studies of the transnaviculo–lunar resection arthroplasty (Steinhäuser operation) (author's transl)] Henckel von Donnersmarck GG, et al. **Arch Orthop Unfallchir** 84(2):129–48, 26 Mar 76 (Eng. Abstr.) **(Ger)**

[GBS–endoprosthesis of the wrist joint] Bischofberger R. **Z Orthop** 113(4):473–6, Aug 75 **(Ger)**

[Alloarthroplasty of the wrist joint] Meuli HC. **Z Orthop** 113(4):476–8, Aug 75 **(Ger)**

[Arthrodesis of the wrist joint] Weigert M, et al. **Zentralbl Chir** (11):679–83, 1975?36100 **(Ger)**

WRITING

Letter: Medical writing. Ederer F. **Am J Ophthalmol** 80(3 Pt 2):558, Sep 75

Editorial: The power of the written word. Rodriguez A. **Am J Surg** 131(6):647, Jun 76

... the soul of wit. Comroe JH Jr. **Am Rev Respir Dis** 112(6):861–6, Dec 75

Righting the wrongs of writing: copy editors speak out. Alexander JJ, et al. **Anesth Analg (Cleve)** 55(2) Mar–Apr

76
Fundamental principles for preparing psychology journal articles. Harlow HF. **Anesth Analg (Cleve)** 55(3):455–8, May–Jun 76
Thoughts about medical writing. XXXIV. The publication process. Roland CG. **Anesth Analg (Cleve)** 55(2):261–2, Mar–Apr 76
Thoughts about medical writing. XXXVI. Writing an editorial. Roland CG. **Anesth Analg (Cleve)** 55(4):534–5, Jul–Aug 76
Thoughts about medical writing. XXXI. The letter-to-the-editor. Rolang CG. **Anesth Analg (Cleve)** 54(5):626–7, Sep–Oct 75
Brain specialization for language does not depend on literacy. Damásio AR, et al. **Arch Neurol** 33(4):300–1, Apr 76
Editorial: Where shall i publish it? Warren R. **Arch Surg** 111(5):612–3, May 76
Letter: The plain words. Cook RJ. **Br Dent J** 139(10):387, 18 Nov 75
Letter: The plain words. Patton DW. **Br Dent J** 139(7):262, 7 Oct 75
Editorial: To be continued. Samson E. **Br Dent J** 140(3):109–10, 3 Feb 76
Letter: Nit-picking? **Br Med J** 1(6019):1211–2, 15 May 76
Pleasures of medical writing. Apley J. **Br Med J** 1(6016):999–1001, 24 Apr 76
Letter: Medical writing. Farfor JA. **Br Med J** 1(6003):220–1, 24 Jan 76
An unusual case of dyslexia with dysgraphia. Mohr JP. **Brain Lang** 3(2):324–34, Apr 76
Kana and Kanji processing in Japanese aphasics. Sasanuma S. **Brain Lang** 2(3):369–83, Jul 75
Editorial: Misunderstanding, misadventure and the need for clarity in medical writing. Shephard DA. **Can Med Assoc J** 115(6):489, 18 Sep 76
The writer as an old woman. Sohngen M. **Gerontologist** 15(6):493–8, Dec 75
Some figures of performance and the apparatus for a digital talking typewriter for the blind–SPELLEX. Beddoes MP, et al. **IEEE Trans Biomed Eng** 23(1):73–5, Jan 76
Write a concise safety policy. Wood WG. **Int J Occup Health Saf** 44(6):40–1, Nov–Dec 75
Editorial: Letters to the editor: the purpose in publishing them. Butts HC. **J Am Dent Assoc** 91(4):705, Oct 75
Editorial: Medical writing. **J Am Osteopath Assoc** 75(2):148–9, Oct 75
The new basic medical writing: introduction. **J Am Osteopath Assoc** 75(2):253–8, Oct 75
The review paper. Peterson B. **J Am Osteopath Assoc** 75(4):447–50, Dec 75
The clinical research report. Peterson B. **J Am Osteopath Assoc** 75(5):538–41, Jan 76
Editorial: Make communication easy. Teuscher GW. **J Dent Child** 43(3):74, 148, May–Jun 76
Editorial: The information explosion and scientific communication. Olsen TO. **J Dent Educ** 40(3):139, Mar 76
Teaching essay problem-solving in the context of a medical school physiology course. Grover PL Jr. **J Med Educ** 51(5):423–5, May 76
A mandatory course in scientific writing for undergraduate medical students. Roland CG, et al. **J Med Educ** 51(2):89–93, Feb 76
Authoritarianism and graffiti. Solomon H, et al. **J Soc Psychol** 97(First Half):149–50, Oct 75
Letter: Comment on Pannbacker's 'Diagnostic Report Writing'. Reed V. **J Speech Hear Disord** 41(1):135–6, Feb 76
Letter: Comment on Pannbacker's 'Diagnostic Report Writing'. Reed V. **J Speech Hear Disord** 41(1):135–6, Feb 76
Letter: Some hope remains. Arnold HL Jr. **JAMA** 234(4):383, 27 Oct 75
Letter: Precision in description. Arnold HL Jr. **JAMA** 235(21):2286, 24 May 76
Letter: Crichton's criticisms. David NF. **JAMA** 235(11):1107, 15 Mar 76
Editorial: Progress in medical writing (or the lack of it). Hussey HH. **JAMA** 233(13):1384, 29 Sep 75
Editorial: X-rated words: reprise. Hussey HH. **JAMA** 235(15):1595, 12 Apr 76
Editorial: Medical jargon. Hussey HH. **JAMA** 235(11):1149, 15 Mar 76
Editorial: Medical writing: faults. Hussey HH. **JAMA** 235(21):2327–8, 24 May 76
Letter: Factitial vs factitious. Schmerl EF. **JAMA** 235(3):251, 19 Jan 76
Editorial: Statistical review process. Recommended procedures in biomedical research articles. Shuster JJ, et al. **JAMA** 235(5):534–5, 2 Feb 76
Editorial: Then and now. Vaisrub S. **JAMA** 234(12):1258, 22 Dec 75
Editorial: Cupid's arrow. Vaisrub S. **JAMA** 235(8):847, 23 Feb 76
Editorial: Abreast of titulology. Vaisrub S. **JAMA** 236(10):1151, 6 Sep 76
Letter: Journal of I.D.E.A.S. Dickson JA. **Lancet** 2(7977):151, 17 Jul 76
Letter: Hyphens. Grahame-Smith DG. **Lancet** 1(7966):968, 1 May 76
Letter: Why do you write. Healy JB. **Lancet** 1(7952):204, 24 Jan 76
A psycholinguistic comparison of speech, dictation and writing. Blass T, et al. **Lang Speech** 18(1):20–34, Jan–Mar 75
Letter: Duplicate publication. **N Engl J Med** 294(8):449–50, 19 Feb 76
Letter: Medical writing. **N Engl J Med** 294(10):562–4, 4 Mar 76
Letter: Complaints about words. **N Engl J Med** 294(14):788, 1 Apr 76
Letter: Barriers to better medical writing. **N Engl J Med** 294(22):1241–2, 27 May 76
Letter: Duplicate publication. Amon RB. **N Engl J Med** 294(15):852, 8 Apr 76
Sounding board: medical obfuscation: structure and function. Crichton M. **N Engl J Med** 293(24):1257–9, 11 Dec 75
Letter: Impartial signed reviews. DeBakey L, et al. **N Engl J Med** 294(10):564, 4 Mar 76
Letter: Who purple-xed the Debakeys's? DeBakey L, et al. **N Engl J Med** 294(16):908–9, 15 Apr 76
Editorial: Charity and peer review in publication. Ingelfinger FJ. **N Engl J Med** 293(26):1371–2, 25 Dec 75
Editorial: 'Obfuscation' in medical writing. Ingelfinger FJ. **N Engl J Med** 294(10):546–7, 4 Mar 76
By the London post. Private rights and the public good – sterilization of minors – comment or report? Lister J. **N Engl J Med** 293(22):1135–7, 27 Nov 75
Letter: U.K. advice to U.S. medical students. Tobias JS. **N Engl J Med** 295(3):174–5, 15 Jul 76
Editorial: Whither he and/or she going? Lewis EP. **Nurs Outlook** 24(5):293, May 76
Editorial: Sounding board. Lewis EP. **Nurs Outlook** 24(6):353, Jun 76
Editorial: Rejection can be a challenge! Carnegie ME. **Nurs Res** 25(3):163, May–Jun 76
Editorial: Readers and writers. Golomb IM. **NY J Dent** 46(3):79–80, Mar 76
Editorial: Conspicuous waste. Zach L. **NY J Dent** 45(9):283–4, Nov 75
Editorial: Plain English for medicine. **NZ Med J** 83(560):205, 24 Mar 76
Directionality in four Bender-Gestalt figures: III. Weiss AA. **Percept Mot Skills** 40(2):595–8, Apr 75
Ethics and etiquette in biomedical communication. DeBakey L, et al. **Perspect Biol Med** 18(4):522–40, Summer 75
Editorial: Readers and writers—help! Nelson C. **Phys Ther** 56(7):807–8, Jul 76
Longevity among writers who lived in India. Stephens I. **Practitioner** 215(1289):637–40, Nov 75
Ellenberger on Freud's Aphasia. Fact and method in the history of science. Bloom L. **Psychoanal Rev** 62(4):615–37, Winter 75–76
The writing of American medical history before professionalization. Bell WJ Jr. **Trans Stud Coll Physicians Phila** 42(1):49–60, Jul 74
[Guidelines for writing scientific papers in English] Dušková L. **Cesk Fysiol** 25(2):167–72, 1976 **(Cze)**
[Density of writing as a function of age] pp. 80–90. Costermans J, et al. **In: Loebell E, ed. XVIth International Congress of Logopedics and Phoniatrics. Basel, Karger, 1976. W3 IN897 1974p.** **(Fre)**
[Micromotor recording of writing pressure during intracerevral stimulation at stereotactic operations (author's transl)] Schneider H. **Arch Psychiatr Nervenkr** 220(4):381–91, 22 Dec 75 (Eng. Abstr.) **(Ger)**
[The german language in modern medicine (author's transl)] Hruby K. **Klin Monatsbl Augenheilkd** 167(6):914–6, Dec 75 (Eng. Abstr.) **(Ger)**
[Does a legasthenia-syndrom exist? (author's transl)] Rett A. **Paedistr Paedol** 11(1):100–7, 1976 (Eng. Abstr.) **(Ger)**
[The role of free association in 2 biographical works on Freud] Eissler KR. **Psyche (Stuttg)** 29(12):1096–125, Dec 75 (Eng. Abstr.) **(Ger)**
[Suicide attempts and farewell letters of adolescents] Biener K, et al. **Soz Praeventivmed** 20(5):229, Sep–Oct 75 (Eng. Abstr.) **(Ger)**
[Studies on the ergonomy of the working place for typists. 1. Distribution of pressure over the body and changing of the leg volume] Köhne VH. **Z Morphol Anthropol** 66(3):330–54, 1975 (Eng. Abstr.) **(Ger)**
[Letter: More precision is needed in medical literature] Török E, et al. **Orv Hetil** 116(46):2749, 16 Nov 75 **(Hun)**

WUCHERERIA

Letters to the editor: An unusual finding in the vaginal smear. Chandra K, et al. **Acta Cytol (Baltimore)** 19(5):403–4, Sep–Oct 75
Microfilaria of Wuchereria bancrofti in bone marrow smear. Pradhan S, et al. **Am J Trop Med Hyg** 25(1):199–200, Jan 76
A study of parasites in domestic pests in households of patients with tropical pulmonary eosinophilia. Saran R, et al. **Indian J Chest Dis** 17(3):119–23, Jul 75
Microfilarial granuloma of the spleen. Bhaskaran CS, et al. **Indian J Pathol Microbiol** 18(2):80–3, Apr 75
The detection of antibodies in human and animal filariases by counterimmunoelectrophoresis with Dirofilaria immitis antigens. Desowitz RS, et al. **J Helminthol** 50(1):53–7, Mar 76
Bancroftian filariasis. Southgate BA. **Nurs Times** 72(3):107–8, 22 Jan 76
Vector control of filariasis in the Solomon Islands. Webber RH. **Southeast Asian J Trop Med Public Health** 6(3):430–4, Sep 75
Some observations on filariasis in Western Samoa after mass administration of diethylcarbamazine. Bryan JH, et al. **Trans R Soc Trop Med Hyg** 70(1):39–48, 1976
A technique for isolating and concentrating microfilariae from peripheral blood by gradient centrifugation. Jones TC, et al. **Trans R Soc Trop Med Hyg** 69(2):243–6, 1975
Bancroftian Filariasis in Togo 1. a comparative field study of the membrane filtration concentration technique and conventional blood films. Scheiber P, et al. **Tropenmed Parasitol** 27(2):224–8, Jun 76
Studies on quantitative aspects of the transmission of Wuchereria bancrofti. Zielke E. **Tropenmed Parasitol** 27(2):160–4, Jun 76

ANATOMY & HISTOLOGY

The differentiation of brugia malayi, B. pahangi, B. tupaiae and Wuchereria bancrofti. Sucharit S, et al. **Southeast Asian J Trop Med Public Health** 6(4):549–54, Dec 75

DRUG EFFECTS

Filarial infectivity rate of Culex pipiens molestus subjected to sublethal concentrations of insecticides Abate and Sevin and distribution of infective filaria larvae in mosquito body regions. Khalil HM, et al. **J Egypt Public Health Assoc** 49(4–5):221–4, 1974
[Effects of a unique dose of mebendazole on microfilaremia in 50 carriers of microfilaria of Wuchereria bancrofti, pacifica variety] Chantin L, et al. **Bull Soc Pathol Exot** 68(2):198–204, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

[On the migration of the third stage larvae of Wuchereria bancrofti in Anopheles gambiae (author's transl)] Zielke E. **Tropenmed Parasitol** 26(3):345–7, Sep 75 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Enzymes in Wuchereia bancrofti. Govindwar SL, et al. **Indian J Biochem Biophys** 11(4):338–9, Dec 74
Acid phosphatase activity in Wuchereria bancrofti microfilaria. Terwedow HA Jr, et al. **J Parasitol** 62(1):172–4, Feb 76

GROWTH & DEVELOPMENT

[A distribution law for microfilaria ingested by mosquitoes biting human carriers. Preliminary results] Pichon G, et al. **C R Acad Sci [D] (Paris)** 280(6):717–9, 10 Feb 75 **(Fre)**

IMMUNOLOGY

Diagnosis of Wuchereria bancrofti filariasis by immunofluorescence using microfilariae as antigen. Gonzaga Dos Santos L, et al. **Ann Trop Med Parasitol** 70(2):219–25, Jun 76

ISOLATION & PURIFICATION

A case of bancroftian filariasis. Tomaszunas S, et al. **Bull Inst Marit Trop Med Gdynia** 26(1):59–63, 1975
Studies on filariasis in the Pacific. 4. The application of the membrane filter concentration technique to a survey of Wuchereria bancrofti filariasis in Kepu district, Jakarta, Indonesia. Oemijati S, et al. **Southeast Asian J Trop Med Public Health** 6(2):186–9, Jun 75
[Parasitologic and serologic testing for Bancroft's filariasis on the south-east coast of Madagascar] Ambroise-Thomas P, et al. **Bull Soc Pathol Exot** 68(6):579–88, Nov–Dec 75 (Eng. Abstr.) **(Fre)**

X 537A see under **ANTIBIOTICS**

X CHROMOSOME see **SEX CHROMOSOMES**

XANTHENES

Determination of elastolytic activity with elastin—rhodamine. Huebner PF. **Anal Biochem** 74(2):419–29, Aug 76
Rhodamine conjugates:specific and nonspecific binding properties in immunohistochemistry. Brandtzaeg P. **Ann NY Acad Sci** 254:35–54, 30 Jun 75
Fermentation, isolation, and antitumor activity of sterigmatocystins. Bradner WT, et al. **Antimicrob Agents Chemother** 8(2):159–63, Aug 75
The use of methyl green-pyronin staining after glutaraldehyde fixation and paraffin or araldite embedding. Jurand A, et al. **Tissue Cell** 8(2):389–94, 1976
[Random immunoglobulin. I. Use of chaotropicions and fluorescence quenching for quantitating the non-specific adsorption in the interaction of human IgG with rhodamine B] Bourgarit JJ. **Ann Immunol (Paris)** 126(5–6):639–52, Oct–Dec 75 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

[Visualization of lymphatic vessels by means of fluorescent substances (fluorescein sodium and rhodamine B)] Hossne WS. **Chir Patol Sper** 23(3):180–8, Jun 75 (Eng. Abstr.) **(Ita)**

ANALYSIS

An approach to quantitation in rhodamine isothiocyanate labeling. McKinney RM, et al. **Ann NY Acad Sci** 254:55–64, 30 Jun 75

High-performance liquid chromatography of sterigmatocystin and other metabolites of Aspergillus versicolor. Kingston DG, et al. **J Chromatogr** 118(3):414–7, 7 Apr 76

Thin-layer chromatographic separation of sterigmatocystin, 5-methoxy-sterigmatocystin and O-methylsterigmatocystin. Sullivan G, et al. **J Chromatogr** 116(2):490–2, 21 Jan 76

[Extraction and luminescent method of determining mercury and rhodamine 3 C in chicken eggs] Mittsel' luA, et al. **Vopr Pitan** (1):86–7, Jan–Feb 1975 **(Rus)**

BIOSYNTHESIS

Factors affecting the production of sterigmatocystin in semisynthetic media. Halls NA, et al. **Appl Microbiol** 30(4):702–3, Oct 75

Production of sterigmatocystin by some species of the genus Aspergillus and its toxicity to chicken embryos. Schroeder HW, et al. **Appl Microbiol** 30(4):589–91, Oct 75

Carbon-13 nuclear magnetic resonance assignments and biosynthesis of aflatoxin B1 and sterigmatocystin. Pachler KG, et al. **J Chem Soc [Perkin I]** (11):1182–9, 1976

CHEMICAL SYNTHESIS

Total synthesis of bikaverin (6,11-dihydroxy-3,8-dimethoxy-1-methylbenzo(b)xanthe Barton DH, et al. **J Chem Soc [Perkin I]** (5):499–503, 1976

DIAGNOSTIC USE

[Xanthydrol and its use in the analysis of organic drug agents] Iavorskii MP, et al. **Farm Zh** 31(1):24–8, Jan–Feb 76 (58 ref.) **(Ukr)**

ISOLATION & PURIFICATION

[Identification of xanthones and new arabinosides of flavone C-glucosides from Swertia perennis L.] Hostettmann K, et al. **Helv Chim Acta** 59(5):1584–91, 14 Jun 76 (Eng. Abstr.) **(Fre)**

[Identification and semiquantitative determination of ochratoxins A and B, sterigmatocystin and aflatoxin B-1] Lemieszek-Chodorowska K. **Rocz Panstw Zakl Hig** 27(2):153–60, 1976 (Eng. Abstr.) **(Pol)**

METABOLISM

Human granulocyte lysosomal elastase activity using t-butyloxycarbonyl-L-alanine p-nitrophenyl ester and elastin-rhodamine as substrates. Galdston M, et al. **Am Rev Respir Dis** 112(5):629–32, Nov 75

Enzymatic conversion of sterigmatocystin into aflatoxin B1 by cell-free extracts of Aspergillus parasiticus. Singh R, et al. **Appl Environ Microbiol** 31(5):743–5, May 76

Biliary excretion of sterigmatocystin by vervet monkeys. Steyn M, et al. **Biochem Pharmacol** 25(3):265–6, 1 Feb 76

[Microspectrophotometric investigations on the accumulation mechanism of the xanthene dyes rhodamine B, 6GO and 3GO by living plant cells (author's transl)] Tsekos I, et al. **Mikroskopie** 31(5–6):155–73, Jul 75 (Eng. Abstr.) **(Ger)**

[Distribution of [3H] thiopyronine in yeast cells (Saccharomyces cerevisiae)] Lochmann ER, et al. **Z Naturforsch [C]** 31(7–8):481–3, Jul–Aug 76 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The effects of O-acetylsterigmatocystin and related compounds on rat liver and cultured chicken embryonal liver cells. Terao K, et al. **Chem Biol Interact** 11(6):507–22, Dec 75

The response of Xeroderma pigmentosum cells and controls to the activated mycotoxins, aflatoxins and sterigmatocystin. Stich HF, et al. **Int J Cancer** 16(2):266–74, 15 Aug 75

The effect of dibenzoxanthenes on the paralyzing action of zoxazolamine. Saint-Ruf G, et al. **Naturwissenschaften** 62(12):584–5, Dec 75

STANDARDS

Rhodamine conjugates:specific and nonspecific binding properties in immunohistochemistry. Brandtzaeg P. **Ann NY Acad Sci** 254:35–54, 30 Jun 75

THERAPEUTIC USE

Inhibition of allergen-induced bronchospasm in patients with reversible bronchial obstruction by a new xanthone derivative. Wüthrich B, et al. **Respiration** 33(3):231–5, 1976

TOXICITY

Tumor induction by a single subcutaneous injection of sterigmatocystin in newborn mice. Fujii K, et al. **Cancer Res** 36(5):1615–8, May 76

XANTHINE DEHYDROGENASE see under **KETONE OXIDOREDUCTASES**

XANTHINE OXIDASE

Calibration of the oxygen polarograph by the depletion of oxygen with hypoxanthine-xanthine oxidase-catalase. Holtzman JL. **Anal Chem** 48(1):229–30, Jan 76

Oxidation-reduction potentials of molybdenum, flavin and iron-sulphur centres in milk xanthine oxidase. Cammack R, et al. **Biochem J** 157(2):469–78, 1 Aug 76

Subunit structure of bovine milk xanthine oxidase. Effect of limited cleavage by proteolytic enzymes on activity and structure. Nagler LG, et al. **Biochim Biophys Acta** 427(1):78–90, 18 Mar 76

Electron transport in xanthine oxidase. A model for other biological electron transport chains. Van Heuvelen A. **Biophys J** 16(8):939–51, Aug 76

[A kinetic study of the reactive capabilities of xanthine oxidase sulfhydryl groups with regard to n-chlormercuribenzoate] Kozachenko AI, et al. **Biokhimiia** 41(2):349–56, Feb 76 (Eng. Abstr.) **(Rus)**

[The nature of a low-molecular factor common to molybdenum containing enzymes] L'vov NP, et al. **Izv Akad Nauk SSSR [Biol]** (3):371–6, May–June 75 **(Rus)**

ANALYSIS

Eastern Regional Research Center Philadelphia, Pennsylvania. Dougherty TM. **Anal Biochem** 74(2):604–8, Aug 76

Association of xanthine oxidase with the bovine milk-fat-globule membrane. Nature of the enzyme-membrane association. Briley MS, et al. **Biochem J** 147(3):417–23, Jun 75

A new non-functional form of milk xanthine oxidase containing stable quinquivalent molybdenum. Lowe DJ, et al. **Biochem J** 155(1):81–5, 1 Apr 76

Homogenized milk: is it really the culprit in dietary-induced atherosclerosis? Mangino ME, et al. **J Dairy Sci** 59(8):1511–2, Aug 76

ANTAGONISTS & INHIBITORS

The treatment of hyperuricemia. Lowenthal DT. **Am Fam Physician** 14(1):98–100, Jul 76

Tight-binding inhibitors-II. Non-steady state nature of inhibition of milk xanthine oxidase by allopurinol and alloxanthine and of human erythrocytic adenosine deaminase by coformycin. Cha S, et al. **Biochem Pharmacol** 24(23):2187–97, 1 Dec 75

4-Trifluoromethylimidazoles and 5-(4-pyridyl)-1,2,4-triazoles, new classes of xanthine oxidase inhibitors. Baldwin JJ, et al. **J Med Chem** 18(9):895–900, Sep 75

3,5-disubstituted 1,2,3,4-triazoles, 1 new class of xanthine oxidase inhibitor. Duggan DE, et al. **J Med Chem** 18(9):900–5, Sep 75

Correlation analysis of Baker's studies on enzyme inhibition. 1. Guanine deaminase, xanthine oxidase, dihydrofolate reductase, and complement. Silipo C, et al. **J Med Chem** 19(1):62–71, Jan 76

Synthesis and enzymic activity of some novel xanthine oxidase inhibitors. 3-Substituted 5,7-dihydroxypyrazolo(1,5-alpha)pyrimidines. Springer RH, et al. **J Med Chem** 19(2):291–6, Feb 76

Evaluation of serum cholesterol reduction and xanthine oxidase inhibition in the treatment of atherosclerosis. Oster KA. **Recent Adv Stud Cardiac Struct Metab** 3:73–80, 1973

BLOOD

Effects of mechanical vibration on rat plasma calcium, magnesium, phosphate, and xanthine osidase. Kosmakos FC, et al. **Aviat Space Environ Med** 46(11):1363–7, Nov 75

Serum xanthine oxidase in jaundice. Giler S, et al. **Clin Chim Acta** 63(1):37–40, 18 Aug 75

Elevation of serum xanthine oxidase following halothane anesthesia in the rat. Giler S, et al. **Experientia** 32(5):620–1, 15 May 76

Elevated serum xanthine oxidase activity following biliary tract and gastric surgery. Giler S, et al. **Int Surg** 61(3):153–5, Mar 76

Proceedings: Serum xanthine oxidase in hepatocellular damage. Giler S, et al. **Isr J Med Sci** 11(11):1225, Nov 75

Bovine milk intake and xanthine oxidase activity in blood serum. McCarthy RD, et al. **J Dairy Sci** 59(6):1059–62, Jun 76

DEFICIENCY

Xanthinuria and xanthine calculous pyonephrosis. Kenawi MM. **J R Coll Surg Edinb** 21(2):95–9, Mar 76

The effect of allopurinol on oxypurine excretion in xanthinuria. Salti IS, et al. **J Rheumatol** 3(2):201–4, Jun 76

IMMUNOLOGY

Antigenicity of bovine milk xanthine oxidase in guinea pigs. Zikakis JP, et al. **J Dairy Sci** 59(6):1051–8, Jun 76

ISOLATION & PURIFICATION

A new purification procedure for bovine milk xanthine oxidase: effect of proteolysis on the subunit structure. Waud WR, et al. **Arch Biochem Biophys** 169(2):695–701, Aug 75

Proteolytic activity in bovine milk xanthine oxidase preparations. Nathans GR, et al. **Biochem Biophys Res Commun** 66(1):108–14, 2 Sep 75

METABOLISM

A rapid and simple radioassay for inosinic acid: pyrophosphate phosphoribosyltransferase in the presence of xanthine oxidase and vice versa. Yip LC, et al. **Anal Biochem** 71(1):14–23, Mar 76

The mechanism of the activity-dependent luminescence of xanthine oxidase. Hodgson EK, et al. **Arch Biochem Biophys** 172(1):202–5, Jan 76

Two factors affecting the heat stability of xanthine oxidase in extracts of mouse intestine. Arnold CJ, et al. **Biochem Genet** 13(9–10):699–706, Oct 75

Oxidation of 7-aminothiadiazolo(3,4-d)pyrimidines and 7-aminofurazano(3,4-d)pyrimidines by xanthine oxidase and aldehyde oxidase. McCormack JJ, et al. **Biochem Pharmacol** 24(17):1636–9, 1 Sep 75

Iron-sulphur systems in some isolated multi-component oxidative enzymes. Bray RC, et al. **Biochem Soc Trans** 3(4):479–82, 1975

Oxidation of N-methyl substituted hypoxanthines, xanthines, purine-6,8-diones and the corresponding 6-thioxo derivatives by bovine milk xanthine oxidase. Bergmann F, et al. **Biochim Biophys Acta** 429(3):672–88, 13 May 76

The accumulation of superoxide radical during the aerobic action of xanthine oxidase. A requiem for H2O4. Hodgson EK, et al. **Biochim Biophys Acta** 430(1):182–8, 9 Apr 76

Malignant transformation-linked imbalance: decreased xanthine oxidase activity in hepatomas. Prajda N, et al. **FEBS Lett** 59(2):245–9, 15 Nov 75

Plasmalogen diseases and the rarity of atherosclerosis in the Masai. pp. 209–14. Oster KA. **In: Kamunvi F, et al., ed. Myocardiology in Africa. Vol 1. Nairobi, East African Literature Bureau, 1974. WG 280 I61m 1971.**

Enzyme-generated free radicals and singlet oxygen as promoters of lipid peroxidation in cell membranes. pp. 157–68. McCay PB, et al. **In: Paoletti R, et al., ed. Lipids. Vol 1: Biochemistry. New York, Raven Press, 1976. QU 85 15918L 1974.**

Superoxide, hydrogen peroxide, and singlet oxygen in lipid peroxidation by a xanthine oxidase system. Kellogg EW 3rd, et al. **J Biol Chem** 250(22):8812–7, 25 Nov 75

PHARMACODYNAMICS

[Influence of xanthine oxidase on duration of asexual cycle of Plasmodium vinckei in the mouse (author's transl)] Büngener W. **Tropenmed Parasitol** 27(1):79–81, Mar 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Enzymic pharmacology and chemotherapy of cancer (author's transl)] Baló J. **Folia Clin Int (Barc)** 25(5):279–86, May 75 **(Spa)**

XANTHINES

Adduct of tyrosine and the oncogen 3-acetoxyxanthine. Stöhrer G, et al. **Biochemistry** 15(13):2772–5, 29 Jun 76

[The photoelectrochemical effect in solid films of flucoxanthine] Evstigneev VB, et al. **Biokhimiia** 41(3):548–52, Mar 76 (Eng. Abstr.)

Complexes of poly(adenylic acid) with complementary monomers. Davies RJ. **Eur J Biochem** 61(1):225–36, 2 Jan 76

[Photochemical properties of fucoxanthine] Evstigneev VB, et al. **Biokhimiia** 41(1):98–103, Jan 76 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Blood circulation in physical training students under pentoxiphyllin] Heidbreder D. **Med Welt** 26(51):2302–4, 19 Dec 75 **(Ger)**

ADVERSE EFFECTS

Letter: The use of xanthines in treating apnea of prematurity. Morens DM. **Pediatrics** 56(4):617–9, Oct 75

ANALYSIS

Relative chemical stability of inorganically conjugated astaxanthin. Fox DL. **Comp Biochem Physiol [B]** 55(1):137–9, 1976

Separation of drug substances by modern liquid chromatography on silver impregnated silica gels. Aigner R, et al. **J Chromatogr Sci** 14(8):381–5, Aug 76

BIOSYNTHESIS

The incorporation of [14C]beta-carotene into the marine isopod Idotea resecata (Stimpson, 1857) and the biosynthesis of canthaxanthin. Gilchrist BM, et al. **Comp Biochem Physiol [B]** 54(3):343–6, 1976

The biosynthesis of astaxanthin- XVI. The carotenoids in Crustacea. Tanaka Y, et al. **Comp Biochem Physiol [B]** 54(3):391–3, 1976

BLOOD

Determination of hypoxanthine and xanthine in plasma separated by thin-layer chromatography. Akaoka I, et al.

Biochem Med 14(3):285–9, Nov 75

CHEMICAL SYNTHESIS

Pyrimidine derivatives and related compounds. XXIII. Synthesis and pharmacological properties of 9-deazaxanthine derivatives. Senda S, et al. **Chem Pharm Bull (Tokyo)** 22(11):2593–8, Nov 74

The search for new drugs in the group of xanthine derivatives. XXXIX – Reaction of 1,2-epoxycyclohexane with theophylline and 8-halotheophyllines. Zajaczkowska J. **Farmaco [Sci]** 30(11):927–34, Nov 75

ISOLATION & PURIFICATION

[Chemical constituents of the leaves of Anthocleista vogelii (author's transl)] Chapelle JP. **Planta Med** 26(4):301–4, Dec 74 (Eng. Abstr.) **(Fre)**

METABOLISM

Purine metabolism in Neisseria meningitidis. 3. Utilization of exogenous hypoxanthine, guanine and xanthine. Jyssum S. **Acta Pathol Microbiol Scand [B]** 83(5):397–406, Oct 75

Conversion of the oncogenic 1-methylguanine 3-oxide to 3-hydroxy-1-methylxanthine. McDonald JJ, et al. **Cancer Res** 36(10):3604–7, Oct 76

Transport and metabolism of purines by isolated choroid plexus, liver and brain in the spiny dogfish, Squalus acanthias. Nelson JA, et al. **Comp Biochem Physiol [B]** 53(3):371–7, 1976

Metabolism of N-methylpurines by a Pseudomonas putida strain isolated by enrichment on caffeine as the sole source of carbon and nitrogen. Woolfolk CA. **J Bacteriol** 123(3):1088–106, Sep 75

An autopsy case of the Lesch-Nyhan syndrome: normal HGPRT activity in liver and xanthine calculi in various tissues. Mizuno T, et al. **Neuropaediatrie** 7(3):351–5, Aug 76

[Absorption studies with purines. Part 2. In vitro experiments with a diffusion apparatus (author's transl)] Heppt-Becke. I, et al. **Arzneim Forsch** 26(4):473–6, Apr 76 (Eng. Abstr.) **(Ger)**

[Absorption studies with purines. Part 1: In vitro experiments with the Sartorius Absorption Model according to Stricker] Heppt-Becker I, et al. **Arzneim Forsch** 26(3):317–21, 1976 (Eng. Abstr.) **(Ger)**

[Mapping of mutations affecting the ability of Escherichia coli purine auxotrophs to use guanine and xanthine for growth] Livshits VA. **Genetika** 9(11):134–9, Nov 73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Differential effect of base purine analogs on levels of xanthine dehydrogenase. Affonso OR, et al. **An Acad Bras Cienc** 45(3-4):589–94, 1973

Tight-binding inhibitors–II. Non-steady state nature of inhibition of milk xanthine oxidase by allopurinol and alloxanthine and of human erythrocytic adenosine deaminase by coformycin. Cha S, et al. **Biochem Pharmacol** 24(23):2187–97, 1 Dec 75

Proceedings: Stereospecific suppression by opiates of the quasi-morphine abstinence syndrome elicited by 3-isobutyl-1-methylxanthine (IBMX). Collier HO, et al. **Br J Pharmacol** 56(3):382P, Mar 76

Proceedings: Cyclic AMP in HeLa cells stimulated with cholera enterotoxin and methylxanthines. King JJ, et al. **Br J Pharmacol** 55(2):287P, Oct 75

Studies on 3,7-dimethyl-1-(5-oxo-hexyl)-xanthine (BL 191). II. Effect of BL 191 on lipolysis in rat epididymal adipose tissue. Hayashi S, et al. **Chem Pharm Bull (Tokyo)** 23(12):3119–24, Dec 75

Effect of methylxanthines on alloxan inhibition of insulin release. Lacy PE, et al. **Diabetologia** 11(6):501–7, Dec 75

Effects of methylxanthines and imidazole on the contractions of guinea-pig ileum induced by transmural stimulation. Moritoki H, et al. **Eur J Pharmacol** 35(1):185–98, Jan 76

Influence of methylxanthines on aniline disappearance and metabolism in rats. Aeschbacher HU. **Experientia** 31(8):894–6, 15 Aug 75

Effect of methylated xanthines on skeletal muscle. Jindal MN, et al. **Indian J Med Res** 64(1):41–7, Jan 76

Inhibition of separated forms of phosphodiesterases from pig coronary arteries by uracils and by 7-substituted derivatives of 1-methyl-3-isobutylxanthine. Garst JE, et al. **J Med Chem** 19(4):499–503, Apr 76

Inhibition of 5'-nucleotidase in rat brain by methylxanthines. Tsuzuki J, et al. **J Neurochem** 25(6):895–6, Dec 75

Studies on 3,7-dimethyl-1-(5-oxo-hexyl)-xanthine (BL 191): the inhibitory effect of BL 191 on PDE in various tissues of rats. Hayashi S, et al. **Jpn J Pharmacol** (1):117–20, Feb 76

Antibiotics and compounds affecting tanslation by eukaryotic ribosomes. Specific enhancement of aminoacyl-tRNA binding by methylaxnthines. Carrasco L, et al. **Mol Cell Biochem** 10(2):97–122, 16 Feb 76 (74 ref.)

Phosphodiesterases from porcine coronary arteries: inhibition of separated forms by xanthines, papaverine, and cyclic nucleotides. Wells JN, et al. **Mol Pharmacol** 11(6):775–83, Nov 75

Interaction of four methylxanthine compounds and norepinephrine on cardiac phosphorylase activation and cardiac contractility. McNeill JH, et al. **Recent Adv Stud Cardiac Struct Metab** 3:261–73, 1973

The effect of pentoxifylline on central and peripheral haemodynamics—an experimental clinical study. Heidrich H, et al. **Z Kardiol** 65(4):385–91, Mar 76

[Effect of pentoxyfylline on the organ distribution of 47Ca and on intestinal Ca absorption and secretion in the rat (author's transl)] Kraft D, et al. **Arzneim Forsch** 25(11):1794–6, Nov 75 (Eng. Abstr.) **(Ger)**

[The influence on pedicle flap blood supply and necrosis rate of plastic displacement with pentoxifylline and dextran 40] Olivari VN, et al. **Arzneim Forsch** 25(5):745–8, May 75 (Eng. Abstr.) **(Ger)**

[Influencing the deformability of erythrocytes through pentoxiphyllin] Ehrly AM. **Med Welt** 26(51):2300–1, 19 Dec 75 **(Ger)**

[Inhibition of the 'cancer cell stickiness' using pentoxyphylline (Trental)] Gastpar H. **Med Welt** 27(3):127–9, 16 Jan 76 **(Ger)**

[The therapeutic possibilities in the prevention of pedicle flap necrosis] Härtwig J, et al. **Med Welt** 27(3):124–6, 16 Jan 76 **(Ger)**

[Effect of Pentoxyphylline on blood viscosity and erythrocyte surface] Heidrich H, et al. **Med Welt** 26(43):1977–9, 24 Oct 75 **(Ger)**

[The effect of pentoxifyllin on the surface tension of the human blood] Hinze HJ, et al. **Med Welt** 26(49):2228–30, 5 Dec 75 **(Ger)**

[Effects of Pentoxyphylline and dextran 40 on the perfusion of grafts and necrosis-rate following plastic surgery using swivel shunts] Olivari N, et al. **Med Welt** 26(43):1973–6, 24 Oct 75 **(Ger)**

[Effects of pentoxyphylline on the amount of ATP in erythrocytes] Stefanovich V. **Med Welt** 26(41):1882–4, 10 Oct 75 **(Ger)**

[The effect of pentoxifyllin on the cyclic AMP-system in thrombocytes] Stefanovich V, et al. **Med Welt** 26(49):2230–3, 5 Dec 75 **(Ger)**

[Pharmaco-analytical studies on the blood circulation in human skin and mucosa] Stüttgen G. **Med Welt** 26(49):2225–7, 5 Dec 75 **(Ger)**

[The effect of pentoxifyllin on the characteristic phenomenons of thrombocyte aggregation and fragmentation] Wenzel E, et al. **Med Welt** 26(46):2100–2, 14 Nov 75 **(Ger)**

[Measurement of the erythrocyte deformability influenced by pentoxifyllin and lowmolecular dextran] Werner U. **Med Welt** 26(46):2098–9, 14 Nov 75 **(Ger)**

[Progressive muscular dystrophies in humans: micrographic aspects compared with striated muscles of Rana esculenta treated with methylxanthine (MX)] Dolcini C, et al. **Boll Soc Ital Biol Sper** 52(9):609–15, 15 MAY 76 **(Ita)**

[Structure and organization of the contractile proteins at the level of the Z and M bands in the sartorius muscles of Rana esculenta treated with methylxanthine (MX)] Dolcini C, et al. **Boll Soc Ital Biol Sper** 52(9):595–601, 15 MAY 76 **(Ita)**

THERAPEUTIC USE

Letter: Trental and peripheral vascular disease. Barnes AJ. **Br Med J** 1(6007):455, 21 Feb 76

Trials of 3,7-dimethyl-1-(5-oxohexyl) xanthine (BL 191) in double-blind tests. Bucker D, et al. **Farmaco [Prat]** 31(5):264–74, May 76

Letter: The use of xanthines in treating apnea of prematurity. Kuzemko JA. **Pediatrics** 57(2):293, Feb 76

New drug evaluation using exercise-induced bronchospasm. Sprenkle AC, et al. **Pediatries** 56(5 pt-2 suppl):937–9, Nov 75

[Treatment of peripheral occlusive vascular disease with pentoxifylin (author's transl)] Traumann KJ. **Med Klin** 71(11):465–8, 12 Mar 76 (Eng. Abstr.) **(Ger)**

[Mode of action of pentoxifyllin] Müller R, et al. **Med Monatsschr** 29(11):487–91, Nov 75 **(Ger)**

[Clinical experimental studies on pentoxifyllin in extremities with blood circulation disorders and in healthy extremities. Blood circulation measurements with xenol33-muscle-clearance, ultrasonic Doppler technic and rheography] Baumann JC. **Med Welt** 26(46):2103–6, 14 Nov 75 **(Ger)**

[Demonstration of the effect of pentoxyphylline in arterial circulation disorders (double-blind study using Trental 400)] Schubotz R. **Med Welt** 26(41):1884–5, 10 Oct 75 **(Ger)**

URINE

Interference of bamifylline with the Zimmerman reaction for 17-ketosteroids. Etienne J, et al. **Clin Chim Acta** 69(1):147–9, 17 May 76

Xanthinuria and xanthine calculous pyonephrosis. Kenawi MM. **J R Coll Surg Edinb** 21(2):95–9, Mar 76

The effect of allopurinol on oxypurine excretion in xanthinuria. Salti IS, et al. **J Rheumatol** 3(2):201–4, Jun 76

Letter: Crystals in skeletal muscle in xanthinuria and in allopurinol-treated gout patients. Chalmers RA. **S Afr Med J** 49(50):2072, 22 Nov 75

[Influence of riboflavin on xanthuria leveloping as a result of protein and choline deficiency] Smirnova MG, et al. **Vopr Pitan** (5):46–9, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

XANTHINOL NIACINATE see under **THEOPHYLLINE**

XANTHOMA, JUVENILE

[A case of nevoxanthoendothelioma] Dufour D, et al. **Bull Soc Ophtalmol Fr** 74(7-8):841-3, Jul-Aug 74 **(Fre)**

[Juvenile xanthogranuloma of the uvea in an adult] Hamburg A. **Ophthalmologica** 172(4):273–81, 1976 (Eng. Abstr.) **(Ger)**

[Multiple normocholesteremic tuberous xanthoma in an infant] Zernov VP. **Vestn Dermatol Venerol** (11):72–3, Nov 75 **(Rus)**

[Diffuse juvenile papulotuberous xanthogranuloma] Conejo Garcia E, et al. **Actas Dermosifiliogr** 65(9–10):421–50, Sep–Oct 74 **(Spa)**

COMPLICATIONS

[Follicular xanthoma] Schneider HG, et al. **Dermatol Monatsschr** 162(1):24–8, Jan 76 **(Ger)**

DIAGNOSIS

[Unilateral corneal lipoiddystrophy of unknown etiology] Thomann H, et al. **Ber Dtsch Ophthalmol Ges** (73):616–8, 1975 **(Ger)**

PATHOLOGY

[Juveline xanthogranuloma. A case report] Kansky A, et al. **Hautarzt** 27(3):137–9, Mar 76 (Eng. Abstr.) **(Ger)**

THERAPY

Bilateral juvenile xanthogranuloma of the iris. Hadden OB. **Br J Ophthalmol** 59(12):699–702, Dec 75

[Hyperlipoproteinemia and atherosclerosis as a problem for the pediatrician] Turcanu L, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 24(2):105–14, Apr–Jun 75 (Eng. Abstr.) **(Rum)**

XANTHOMATOSIS

Generalized plane xanthoma. James MP, et al. **Br J Dermatol** 95 Suppl 24:50–1, Jul 76

Bilateral xanthoma of Achilles tendon. Gupta SK, et al. **J Indian Med Assoc** 65(12):331–2, 16 Dec 75

[Procceedings: Disseminated plane xanthoma] Karge HJ. **Hautarzt** 26(7):387, Jul 75 **(Ger)**

[Xanthomatosis] Krylova NI, et al. **Klin Med (Mosk)** 53(9):117–9, Sep 75 **(Rus)**

[Xanthomatosis] Camacho Martínez F, et al. **Actas Dermosifiliogr** 67(3–4):169–94, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

BLOOD

The lipoprotein and lipid pattern in xanthomatosis. Heiberg A. **Acta Med Scand** 198(3):183–95, Sep 75

Primary hyperlipoproteinemia in xanthomatosis. Hessel LW, et al. **Clin Chim Acta** 69(3):405–16, 15 Jun 76

Diffuse 'essential' normolipemic xanthomatosis. Rudolph RL. **Int J Dermatol** 14(9):651–6, Nov 75

[Diffuse normolipemic plane xanthomatosis] Gutschmidt E, et al. **Z Hautkr** 50(24):995–8, 15 Dec 75 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Plasma cell granulomas in non-lipemic xanthomatosis: apparent induction by indomethacin. Shelley WB, et al. **Acta Derm Venereol (Stockh)** 55(6):489–92, 1975

A case of xanthomatosis and hyperlipoproteinemia type V propably induced by overdosage of insulin. Vermeer BJ, et al. **Dermatologica** 151(1):43–50, 1975

CLASSIFICATION

[So-called lipo-fibro-calcareous myopathy. A case classificable among the xanthomatoses] Bellato F, et al. **Arch De Vecchi Anat Patol** 59(3):497–511, Apr 74 **(Ita)**

COMPLICATIONS

The risk of atherosclerotic vascular disease in subjects with xanthomatosis. Heiberg A. **Acta Med Scand** 198(4):249–61, Oct 75

Immunodeficiency, xanthomas and obstructive liver disease. Isenberg JN, et al. **Am J Med** 61(3):393–400, Sep 76

Multiple myeloma, cryoglobulinemia and xanthomatosis. Distinct clinical and biochemical syndromes in two patients. Wilson DE, et al. **Am J Med** 59(5):721–9, Nov 75

Letter: Normolipemic plane xanthoma and histiocytic lymphoma. Haqqani MT, et al. **Arch Dermatol** 112(10):1470–1, Oct 76

Plane xanthomata associated with multiple myeloma and hyperlipoproteinaemia. Marien KJ, et al. **Br J Dermatol** 93(4):407–15, Oct 75

Xanthelasma and hyperlipoproteinaemia. Dean FD. **Clin Chim Acta** 66(2):189–93, 16 Jan 76

Xanthomatosis and aortic stenosis (case report). Lal S, et al. **J Assoc Physicians India** 23(7):461–4, Jul 75

Polymeric IgA myeloma, hyperlipidaemia and xanthomatosis: a further case and review. Roberts-Thomson PJ, et al. **Postgrad Med J** 51(591):44–51, Jan 75 (39 ref.)

[Cardiovascular complications of familial hypercholesteremic tendinous xanthomatosis (FHTX). Apropos of 400 cases of FHTX (type IIa, with tendinous xanthomas)] De Gennes JL, et al. **Ann Med Interne (Paris)** 125(12):889–902, Dec 74 (Eng. Abstr.) **(Fre)**

[2 cases of primary hyperlipemia associated with xanthomatosis] Uzianova VL, et al. **Ter Arkh** 47(6):122–4,

1975 (Rus)

DIAGNOSIS

Pelvic inflammatory pseudotumor: a case report. Kunakemakorn P, et al. **Am J Obstet Gynecol** 126(2):286–7, 15Sep 76

Pseudoxanthomatous mastocytosis. Griffiths WA, et al. **Br J Dermatol** 93(1):91–5, Jul 75

Radiographic and radioisotope evaluation of intra-osseous xanthoma. Kovac A, et al. **Br J Radiol** 49(579):281–5, Mar 76

DRUG THERAPY

Colestipol in familial type II hyperlipoproteinemia: a three-year trial. Harvengt C, et al. **Clin Pharmacol Ther** 20(3):310–4, Sep 76

ETIOLOGY

Excessive egg consumption, xanthomatosis, and hypercholesterolaemia. Rhomberg HP, et al. **Br Med J** 1(6019):1188–9, 15 May 76

Beta-Sitosterolemia and xanthomatosis. **Nutr Rev** 34(6):172–4, Jun 76 (9 ref.)

Acanthosis nigricans and eruptive xanthoma. Emmerson RW. **Proc R Soc Med** 69(4):311–2, Apr 76

[Xanthoma of the Achilles tendon. An unusual case of type IV lipoproteinemia associated with reheumatoid arthritis] Fehér M, et al. **Rev Chir Orthop** 61(8):751–4, Dec 75 (Fre)

[Development of xanthoma in hyperlipoproteinemias] Braun-Falco O. **Z Hautkr** 50(12):539–40, 15 Jun 75 (Ger)

[Hyperlipemia and vascular diseases] Yasugi T, et al. **Jpn J Clin Med** 33(11):3192–7, 10 Nov 75 (Jpn)

FAMILIAL & GENETIC

Partial deficiency of acid lipase with storage of triglycerides and cholesterol esters in liver. Genetic variant of Wolman's disease? Suzuki Y, et al. **Clin Chim Acta** 69(2):219–24, 1 Jun 76

Inheritance of xanthomatosis and hyper-beta-lipoproteinaemia. A study of 7 large kindreds. Heiberg A. **Clin Genet** 9(1):92–111, Jan 76

The inheritance of hyperlipoproteinaemia with xanthomatosis. A study of 132 kindreds. Heiberg A, et al. **Clin Genet** 9(2):203–33, Feb 76

Accumulation of glyceryl ether lipids in Wolman's disease. Lin HJ, et al. **J Lipid Res** 17(1):53–6, Jan 76

[A case of Wolman's disease] Loffredo L, et al. **Pediatria (Napoli)** 83(1):155–64, 31 Mar 75 (Eng. Abstr.) (Ita)

IMMUNOLOGY

Diffuse normolipaemic plane xanthomatosis. Jordon RE, et al. **Clin Exp Immunol** 18(3):407–15, Nov 74

Diffuse normolipaemic plane xanthomatosis. An abnormal complement component profile. Jordon RE, et al. **Clin Exp Immunol** 18(3):407–15, Nov 74

[Disseminated plane xanthoma with photosensitization] Ferrando J, et al. **Med Cutan Iber Lat Am** 3(1):23–8, 1975 (Eng. Abstr.) (Spa)

METABOLISM

Chenodeoxycholic acid inhibits increased cholesterol and cholestanol synthesis in patients with cerebrotendinous xanthomatosis. Salen G, et al. **Biochem Med** 14(1):57–74, Sep 75

Turnover of xanthoma cholesterol in hyperlipoproteinemia patients. Bhattacharyya AK, et al. **J Lab Clin Med** 87(3):503–18, Mar 76

Beta-sitosterolemia and xanthomatosis. Shulman RS, et al. **N Engl J Med** 294(9):482–3, 26 Feb 76

Identification of (23S)-5beta-cholestane-3alpha, 7alpha, 12alpha, 23, 25-pentol in cerebrotendinous xanthomatosis. Hoshita T, et al. **Steroids** 27(5):657–64, May 76

PATHOLOGY

Gastric xanthoma. Mast A, et al. **Am J Gastroenterol** 65(4):311–7, Apr 76

Cerebrotendinous xanthomatosis. Kearns WP, et al. **Arch Ophthalmol** 94(1):148–50, Jan 76

Endobronchial plasma cell granuloma (xanthomatous pseudotumor); a light and electron microscopic study. Buell R, et al. **Hum Pathol** 7(4):411–26, Jul 76

Xanthogranulomatous pyelonephritis. Chitkara YK, et al. **Int Surg** 61(6-7):357–60, Jun-Jul 76

Ultrastructural features of the verruciform xanthoma. Cobb CM, et al. **J Oral Pathol** 5(1):42–51, Jan 76

The lymph node in experimental xanthomatosis. Herman PG, et al. **Lymphology** 9(1):36–8, Mar 76

[Structure and morphogenesis of xanthomas in hyperlipoproteinemia type III. A morphologic, histochemical and electron microscopy study] Braun-Falco O. **Hautarzt** 27(3):122–32, Mar 76 (Eng. Abstr.) (Ger)

[Case of generalized xanthomatosis involving the facial skin] Pal'chun VT, et al. **Zh Ushn Nos Gorl Bolezn** (5):104–5, Sep-Oct 75 (Rus)

RADIOGRAPHY

Xanthogranulomatous pyelonephritis: with emphasis on angiographic findings. Miller HL, et al. **NY State J Med** 76(6):919–24, Jun 76

[Xanthomatous tumour of the lung (author's transl)] Mildeová E. **Sb Lek** 77(9):257–60, Sep 75 (Eng. Abstr.) (Cze)

SURGERY

Letter: Xanthomas and coronary atherosclerosis. Dock W. **Circulation** 52(3):517–8, Sep 75

Surgery of benign tumours of the lids. Matton G. **Med Probl Ophthalmol** 14:622–7, 1975

XANTHOMONAS

ANALYSIS

Covalent structure of the extracellular polysaccharide from Xanthomonas campestris: evidence from partial hydrolysis studies. Melton LD, et al. **Carbohydr Res** 46(2):245–57, Feb 76

ENZYMOLOGY

NADH oxidase in Xanthomonas oryzae and effect of streptomycin and metal ions. Indira R, et al. **Indian J Biochem Biophys** 12(1):21–3, Mar 75

GROWTH & DEVELOPMENT

[Change in chemical composition of millet nuclei affected by a complex of microorganisms] L'vova LS, et al. **Mikrobiol Zh** 37(1):27–33, Jan-Feb 75 (Eng. Abstr.) (Ukr)

ULTRASTRUCTURE

Comparison of the organism causing greening disease with several plant pathogenic gram negative bacteria, rickettsia-like organisms and mycoplasma-like organisms. pp. 89–96. Moll JN, et al.
In: Bove JM, Duplan JF, ed. Les mycoplasmes de l'homme, des animaux, des vegetaux et des insectes. Paris, INSERM, 1974. QW 143 C749m 1974.

XANTHOPTERIN

ANALOGS & DERIVATIVES

Characterization of an isoxanthopterin binding protein from Oncopeltus fasciatus. Smith JH, et al. **J Insect Physiol** 22(2):187–94, 1976

CHEMICAL SYNTHESIS

Pteridines. XXXVI. Syntheses of xanthopterin and isoxanthopterin. Application of N-oxide chemistry to highly functionalized pyrazines and pteridines. Taylor EC, et al. **J Org Chem** 40(16):2341–7, 8 Aug 75

METABOLISM

The possible role in gene regulation of an isoxanthopterinbinding protein from Oncopeltus embryos. pp. 453–63. Forrest HS, et al.
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

PHARMACODYNAMICS

Growth stimulation by 6-phenacylisoxanthopterin and related compounds. pp. 445–51. Iwanama Y
In: Pfleiderer W, ed. Chemistry and biology of pteridines. Berlin, de Gruyter, 1975. W3 IN916U 1975c.

XANTHURENATES

DIAGNOSTIC USE

[Xanthurenic aciduria as a specific test in dithiocarbamate poisoning] Sedokur LK, et al. **Gig Tr Prof Zabol** (2):55–6, Feb 76 (Rus)

PHARMACODYNAMICS

Letter: Pyridoxine and oestrogen-induced glucose intolerance. Cornish EJ, et al. **Br Med J** 3(5984):649–50, 13 Sep 75

XENOGRAFT see TRANSPLANTATION, HETEROLOGOUS

XENON

Presumed histoplasmic maculopathy: xenon photocoagulation. Elliott JH, et al. **Int Ophthalmol Clin** 15(3):197–205, Fall 75

Comparison of xenon arc and argon laser photocoagulation in ocular histoplasmosis. Fine SL, et al. **Int Ophthalmol Clin** 15(3):259–84, Fall 75

A recovery system for hyperbaric xenon. Porter AL. **Med Biol Eng** 12(3):386–8, May 74

Saturation curve in gases of high atomic number at pressures up to 8 atm. I. Krypton and xenon. Boag JW, et al. **Med Phys** 2(5):245–50, Sep-Oct 75

[Is the preventive treatment of retinal detachment effective? (Report after 14 years use of xenon photocoagulation)] Bronner A, et al. **Bull Soc Ophtalmol Fr** 74(11):1103–6, Nov 74 (Fre)

[Cold-light source through xenon high-pressure burner combined with mounted sky and single filters] Käfer O. **Ber Dtsch Ophthalmol Ges** (73):641–2, 1975 (Ger)

[A Xenon surgical slit-lamp (Zeiss)] Eisner G, et al. **Ophthalmologica** 172(2-3):156–9, 1976 (Ger)

[Histological studies of repairing processes after xenon photocoagulation in the monkey retina. 2. Electron microscopic studies on cellular responces in the late repairing stage (author's transl)] Ishikawa Y. **Acta Soc Ophthalmol Jpn** 79(11):1568–84, 10 Nov 75 (Eng. Abstr.) (Jpn)

[Ozone formation in handling xenon lamps] Sagaidak ND, et al. **Gig Tr Prof Zabol** (12):46–7, Dec 75 (Rus)

DIAGNOSTIC USE

[An approximation for improving the accuracy of compartmental analysis after intravenous 133Xe] Kantlehner R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(2):124–6, Feb 75 (Eng. Abstr.) (Ger)

METABOLISM

Solubility of xenon in rat hair. Malchow-Møller A, et al. **Acta Physiol Scand** 96(4):575–6, Apr 76

Xe133 elimination from human fat during negative- and positive-pressure breathing. Balldin UI, et al. **Undersea Biomed Res** 3(2):163–9, Jun 76

PHARMACODYNAMICS

Effect of xenon, nitrous oxide and halothane on membrane-bound sialidase from calf brain. Sandhoff K, et al. **FEBS Lett** 62(3):284–7, 1 Mar 76

[The pharmacology of the rare gases (helium, neon, argon, krypton, xenon)] Featherstone RM, et al. **Actual Pharmacol (Paris)** 27:69–86, 1974 (51 ref.) (Fre)

RADIATION EFFECTS

Average energy loss per ion pair formation by photon and electron impact on xenon between threshold and 90 eV. Samson JA, et al. **Radiat Res** 66(1):1–10, Apr 76

XENON RADIOISOTOPES

Proceedings: The use of 133Xe in the measurement of gastric mucosal blood flow in man. Taylor TV, et al. **Br J Surg** 63(8):658, Aug 76

Inexpensive, convenient xenon disposal. Murphy PH, et al. **Health Phys** 29(5):779–80, Nov 75

The half-life of 133Xe and its calibration factor for the 1383A ionization chamber. Woods ML, et al. **Int J Appl Radiat Isot** 26(8):485–7, Aug 75

Blood flow cessation at external pressure in rat skinflaps. Isotope washout compared to vital capillary microscopy. Bolund S, et al. **Microvasc Res** 11(3):381–90, May 76

Partition coefficient of 133Xe between blood and eye tissues. Kowalski H, et al. **Nucl Med (Stuttg)** 14(4):301–9, 15 Dec 75

Computation of muscle blood flow by 133Xe clearance using polynomial fitting techniques. Olkkonen H, et al. **Nucl Med (Stuttg)** 14(4):390–4, 15 Dec 75

Regional distribution of a 133Xe labelled gas volume inspired at constant flow rates. Connolly T, et al. **Scand J Respir Dis** 56(3):150–9, Sep 75

[Evaluation of circulation dynamics in muscles. II. Simultaneous muscle clearance of sodium-24 and xenon-133] Kauffman P, et al. **Rev Hosp Clin Fac Med Sao Paulo** 30(6):495–8, Nov-Dec 75 (Eng. Abstr.) (Por)

ADMINISTRATION & DOSAGE

The measurement of skin blood flow in peripheral vascular disease by epicutaneous application of Xenon133. Kostuik JP, et al. **J Bone Joint Surg [Am]** 58(6):833–7, Sep 76

BLOOD

[On the analysis of the hepatic-venous 133xenon-clearance after the application of the gas by inhalation] Dietze G, et al. **Klin Wochenschr** 53(13):639–40, 1 Jul 75 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Determination of the specific blood flow of the liver by inhalation of radioactive rare gases. Schmitz-Feuerhake I, et al. **Acta Hepatogastroenterol (Stuttg)** 22(3):150–8, Jun 75

Methods of calculating uterine blood flow from the wash-out curves of intra-arterial and local injections of 133Xenon. Forssman L. **Acta Obstet Gynecol Scand** 54(5):479–84, 1975

Distribution of blood flow in myomatous uteri as measured by locally injected 133Xenon. Forssman L. **Acta Obstet Gynecol Scand** 55(2):101–4, 1976

Measurement of regional myocardial blood flow in man: description and critique of the method using xenon-133 and a scintillation camera. Cannon PJ, et al. **Am J Cardiol** 36(6):783–92, Nov 75

Study of the ventilation of middle ear using radioactive xenon. Kirchner FR, et al. **Ann Otol Rhinol Laryngol** 85(2 Suppl 25 Pt 2):165–8, Mar-Apr 76

The influence of venous occlusion on xenon 133 muscle clearance. Weber TR, et al. **Arch Surg** 111(2):178–80, Feb 76

Proceedings: Short-lasting changes in myocardial blood flow

measured with locally injected 133Xe. Skolasinska K, et al. **Arzneim Forsch** 25(6):985, Jun 75
Proceedings: Study of blood flow distribution in canine kidney using xenon. Tappin JW, et al. **Br J Radiol** 48(573):769, Sep 75
The determination of hepatic blood flow in the rat using xenon-133. Smith A, et al. **Int J Appl Radiat Isot** 27(4):201-10, Apr 76
On-line computer measurement of microregional cerebral blood flow by xenon-133 clearance. Hohberger CP, et al. **Int J Nucl Med Biol** 2(4):153-8, Oct 75
Myocardial perfusion defects in ischemic heart disease visualized by semiselective 133Xe injections: correlations with left ventricular angiography. Korhola O, et al. **Int J Nucl Med Biol** 3(1):43-5, Jan 76
Recent developments in the 133xenon inhalation technique for cerebral flow. Crawley JC, et al. **J Nucl Biol Med** 19(4):205-12, Oct-Dec 75
Xenon-133, 127Xe, and 125Xe for lung function investigations: a dosimetric comparison. Goddard BA, et al. **J Nucl Med** 16(8):780-6, Aug 75
A calibrated dose dispenser for gaseous 133Xe. Gutkowski RF, et al. **J Nucl Med** 16(12):1197-9, Dec 75
A diagnostic strategy using ventilation-perfusion studies in patients suspect for pulmonary embolism. McNeil BJ. **J Nucl Med** 17(7):613-6, Jul 76
Evaluation of an integrated 133Xe regional pulmonary-function analyzer. Rawbone RG. **J Nucl Med** 17(5):337-44, May 76
Compartmental models of cerebral blood flow. Analysis using the 81-keV and 31-keV photons of 133Xe. van Duyl WA, et al. **J Nucl Med** 17(7):596-602, Jul 76
Computerized determination of blood flow in pedicle flaps by the clearance of epicutaneously applied 133xenon. Handel N, et al. **J Surg Res** 20(6):579-87, Jun 76
Use of 133xenon in early diagnosis of inhalation injury. Agee RN, et al. **J Trauma** 16(3):218-24, Mar 76
Oviduct patency control by means of 133Xe-solution. Pertyński T, et al. **Nucl Med (Stuttg)** 15(1):46-9, Feb 76
The validity of the total myocardial blood flow determination by means of 133Xe in regional ischemia. Kasalický J. **Nuklearmedizin** 15(3):115-8, Jun 76
An examination of the xenon clearance method. Devonshire RE, et al. **Pfluegers Arch** 364(2):161-5, 30 Jul 76
The construction and use of nomograms for cerebral blood flow calculation using a 133Xe inhalation technique. Wyper DJ, et al. **Phys Med Biol** 21(3):406-13, May 76
The role of 133Xe ventilation studies in the scintigraphic detection of pulmonary embolism. Alderson PO, et al. **Radiology** 120(3):633-40, Sep 76
133Xe muscle clearance: a screening test for arterial occlusive disease. Pozderac RV, et al. **Radiology** 117(3 Pt 1):633-5, Dec 75
Studies of regional myocardial perfusion in patients with coronary atherosclerosis, using xenon-133 and a multiple crystal scintillation camera. Cannon PJ, et al. **Recent Adv Stud Cardiac Struct Metab** 10:501-23, 1975
Compensation for geometric changes during monitoring of 133Xe washout from subcutaneous adipose tissue. Bülow J, et al. **Scand J Clin Lab Invest** 35(7):641-4, Nov 75
Wash-out of intraparenchymally injected Xenon-133 as a parameter of liver blood flow in the dog. Hall C, et al. **Scand J Clin Lab Invest** 35(7):635-9, Nov 75
Predominantly unilateral asthma studied with 133Xe-radiospirometry. Bülow KB, et al. **Scand J Respir Dis** 56(4):223-30, 1975
Studies of regional myocardial blood flow: results in patients with left anterior descending coronary artery disease. Cannon PJ, et al. **Semin Nucl Med** 6(3):279-303, Jul 76
Assessment of intrarenal perfusion with radioxenon: a critical review of analytical factors and their implications in man. Hollenberg NK, et al. **Semin Nucl Med** 6(2):193-216, Apr 76
Radiation doses from 133Xe and 127Xe used for lung function investigations. Ackery DM, et al. **Strahlentherapie [Sonderb]** 74:31-43, 1975
Inherent problems in dynamic lung studies. Munkner T. **Strahlentherapie [Sonderb]** 74:403-17, 1975
[Ventilo-perfusion study with radioactive xenon] Ravasini R, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:189-92, 1975 **(Fre)**
[Letter: Cerebral scintigraphy with intravenous xenon 133] Ducassou D, et al. **Nouv Presse Med** 5(22):1426, 29 May 76 **(Fre)**
[Determination of regional ventilation-perfusion ratio with xenon-133] Imhof H, et al. **Nucl Med (Stuttg)** 14(3):232-9, 31 Aug 75 (Eng. Abstr.) **(Ger)**
[New miniature scintillation counter for regional blood flow measurements in small tissue volumes] Jordan K, et al. **Strahlentherapie [Sonderb]** 74:514-8, 1975 (Eng. Abstr.) **(Ger)**
[Blood flow measurements with 133xenon during prolonged hyperacute xenogenic rejection] Schmidt KR, et al. **Strahlentherapie [Sonderb]** 74:211-9, 1975 (Eng. Abstr.) **(Ger)**
[Determination of specific liver blood flow by inhalation of radioactive noble gas in patients with different degrees of fatty degeneration of the liver] Schmitz-Feuerhake I, et al. **Strahlentherapie [Sonderb]** 74:129-33, 1975 (Eng. Abstr.) **(Ger)**
[Determination of kidney circulation with radioxenon] Buchali K, et al. **Z Gesamte Inn Med** 30(8):307-11, 15 Apr 75 (Eng. Abstr.) **(Ger)**
[Cerebral blood flow in ischemic cerebrovascular diseases evaluated using intra-arterial injection of xenon-133. Methods and clinical results] Paulson OB. **Minerva Med** 67(26):1703-11, 26 May 76 **(Ita)**
[Proceedings: Analysis of Xe-133 wash out curve by a simulation model] Yamada K, et al. **J Physiol Soc Jpn** 36(8-9):373-4, 1 Sep 74 **(Jpn)**
[Analysis of regional 133 Xe washout curve of the lung - use of a simulation model] Yamada K, et al. **Jpn J Nucl Med** 12(3):261-72, Jun 75 (Eng. Abstr.) **(Jpn)**
[Introduction of pulmonary scintigraphy using 133Xe] Horai Z. **Jpn J Thorac Dis** 13(10):569-70, Oct 75 **(Jpn)**
[Quantitative assessment of experimental errors in the analysis of 133Xe clearance curve from the brain employing digital model (author's transl)] Kanno I, et al. **Nippon Acta Radiol** 35(8):665-73, 25 Aug 75 (Eng. Abstr.) **(Jpn)**
[Regional pulmonary function test with Xe-133 (author's transl)] Hasegawa S, et al. **Respir Circ (Tokyo)** 23(12):1057-67, Dec 75 **(Jpn)**
[Study of effective synovial blood flow in patients with rheumatoid arthritis by means of Xe133] Sysoev VF. **Vopr Revm** 00(02):46-9, Apr-Jun 76 (Eng. Abstr.) **(Rus)**

XENOPUS

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. V. Inability of inhibitor to repress 5S RNA synthesis. Yamana K, et al. **Dev Biol** 47(2):461-3, Dec 75
Oocyte maturation in vitro: contribution of the oviduct to total maturation in Xenopus laevis. Brun R. **Experientia** 31(11):1275-6, 15 Nov 75
Initiation of meiotic maturation in Xenopus laevis oocytes by the combination of divalent cations and ionophore A23187. Wasserman WJ, et al. **J Exp Zool** 193(3):369-75, Sep 75

ANATOMY & HISTOLOGY

Ultrastructural and pharmacological studies on the afferent synapse of lateral-line sensory cells of the African clawed toad, Xenopus laevis. Monaghan P. **Cell Tissue Res** 163(2):239-47, 7 Nov 75
Utrastructure of the cement gland of Xenopus laevis. Picard JJ. **J Morphol** 148(2):193-208, Feb 76

BLOOD

Adult haemoglobin in developmentally retarded tadpoles of Xenopus laevis. MaClean N, et al. **J Embryol Exp Morphol** 35(2):261-6, Apr 76
Sequence organization in Xenopus DNA studied by the electron microscope. Chamberlin ME, et al. **J Mol Biol** 96(2):317-33, 5 Aug 75

DRUG EFFECTS

Selenium effect on the growth of carcinogenic fungi and cytotoxic action of aflatoxin B1 on lymphocyte culture and on embryonal development of Xenopus laevis. Aleksandrowicz J, et al. **Pol Med Sci Hist Bull** 15(4):453-9, Jul-Aug 75

EMBRYOLOGY

Distribution of 3H-hydrocortisone injected into embryonal Xenopus. Csaba G, et al. **Acta Biol Acad Sci Hung** 25(3):151-7, 1974
Effects of 5-bromodeoxyuridine on the development of Xenopus laevis. II. Stages of differentiation. Sala M, et al. **Acta Embryol Exp (Palermo)** (2):101-14, 1975 (Eng. Abstr.)
The cement gland of Xenopus laevis as an experimental model for embryonic differentiation. III. Histochemical and ultrastructural studies on cement glands differentiated in vitro. Picard JJ. **Arch Biol (Liege)** 86(2):129-38, 1975
Histogenesis of retina in the clawed frog with implications for the pattern of development of retinotectal connections. Jacobson M. **Brain Res** 103(3):541-5, 27 Feb 76
The timing of the earliest motor innervation to the hind limb bud in the Xenopus tadpole. Lamb AH. **Brain Res** 67(3):527-30, 8 Mar 74
Development of the action potential in embryo amphibian neurons in vivo. Spitzer NC, et al. **Brain Res** 107(3):610-6, 14 May 76
Types and distribution of lamellar bodies in first cleavage Xenopus embryos. Singal PK. **Cell Tissue Res** 163(2):215-21, 7 Nov 75
Vital dye mapping of the gastrula and neurula of Xenopus laevis. II. Prospective areas and morphogenetic movements of the deep layer. Keller RE. **Dev Biol** 51(1):118-37, 1 Jul 76
Polyadenylic acid-containing RNA and its polyadenylic acid sequences newly synthesized in isolated embryonic cells of Xenopus laevis. Sagata N, et al. **Dev Biol** 50(1):242-7, May 76
Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. IV. The release of inhibitor from cultured cells. Shiokawa K, et al. **Dev Biol** 47(2):303-9, Dec 75
Factors determining decussation at the optic chiasma by developing retinotectal fibres in Xenopus. Beazley LD. **Exp Brain Res** 23(5):491-504, 14 Nov 75
Development of intertectal neuronal connections in xenopus: the effects of contralateral transposition of the eye and of eye removal. Beazley LD. **Exp Brain Res** 23(5) 14 Nov 75
Biochemical studies on maturation in Xenopus laevis oocytes. pp. 219-32. Brachet J. In: **Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.** (23 ref.)
'Immobile' (im), a recessive lethal mutation of Xenopus laevis tadpoles. Droin A, et al. **J Embryol Exp Morphol** 34(2):435-49, Oct 75
Abnormalities in somite segmentation following heat shock to Xenopus embryos. Elsdale T, et al. **J Embryol Exp Morphol** 35(3):625-35, Jun 76
The distribution of non-synaptic intercellular junctions during neurone differentiation in the developing spinal cord of the clawed toad. Hayes BP, et al. **J Embryol Exp Morphol** 33(2):403-17, Apr 75
Stage-sensitivity and dose-response curve of u.v. effect on germ cell formation in embryos of Xenopus laevis. Ijiri KI. **J Embryol Exp Morphol** 35(3):617-23, Jun 76
On the determination of the dorso-ventral polarity in Xenopus laevis embryos. Landström U, et al. **J Embryol Exp Morphol** 33(4):879-95, Jul 75
Reorganization of retinotectal projection of compound eyes after various tectal lesions in Xenopus. Straznicky K. **J Embryol Exp Morphol** 35(1):41-57, Feb 76
The formation of the gonadal ridge in Xenopus laevis. III. The behaviour of isolated primordial germ cells in vitro. Wylie CC, et al. **J Embryol Exp Morphol** 35(1):149-57, Feb 76
The formation of the gonadal ridge in Xenopus laevis. I. A light and transmission electron microscope study. Wylie CC, et al. **J Embryol Exp Morphol** 35(1):125-38, Feb 76
The formation of the gonadal ridge in Xenopus laevis. II. A scanning electron microscope study. Wylie CC, et al. **J Embryol Exp Morphol** 35(1):139-48, Feb 76
Anatomy, physiology and behavioural rôle of sensory nerve endings in the cement gland of embryonic xenopus. Roberts A, et al. **Proc R Soc Lond [Biol]** 192(1106):111-27, 31 Dec 75
Lymphocytes of the toad Xenopus laevis have the gene set for promoting todpole development. Wabl MR, et al. **Science** 190(4221):1310-2, 26 Dec 75
[Enzymatic aspects of the mitochondria of Xenopus laevis oocytes] Petrucci D, et al. **Acta Embryol Exp (Palermo)** (2):115-22, 1975 **(Ita)**
[Extra- and intra-mitochondrial distribution of respiratory enzymes in oocytes of Xenopus laevis] Petrucci D, et al. **Acta Embryol Exp (Palermo)** (3):231-41, 1975 **(Ita)**

GROWTH & DEVELOPMENT

DNA synthesis during larval development and compensatory growth in the mesonephros of Xenopus laevis. Goldin G, et al. **Dev Biol** 46(1):202-10, Sep 75
The development of animals homozygous for a mutation causing periodic albinism (ap) in Xenopus laevis. Hoperskaya OA. **J Embryol Exp Morphol** 34(1):253-64, Aug 75
Mitotic activity of germ cells during normal development of Xenopus laevis tadpoles. Ijiri KI, et al. **J Embryol Exp Morphol** 34(3):687-94, Dec 75
Melanoblast-tissue interactions and the development of pigment pattern in Xenopus larvae. Macmillan GJ. **J Embryol Exp Morphol** 35(3):463-84, Jun 76
Myogenesis in the trunk and leg during development of the tadpole of Xenopus laevis (Daudin 1802). Muntz L. **J Embryol Exp Morphol** 33(3):757-74, Jun 75
Binocular interaction and intertectal neuronal connexions: dependence upon developmental stage. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):445-66, 16 Dec 75
Visual deprivation and intertectal neuronal connexions in Xenopus laevis. Keating MJ, et al. **Proc R Soc Lond [Biol]** 191(1105):467-74, 16 Dec 75

IMMUNOLOGY

Phylogeny of functional humoral transplantation immunity: comparative studies in amphibians and rodents. Cohen N, et al. **Adv Exp Med Biol** 64:411-20, 1975
Surface immunoglobulins on Xenopus laevis lymphocytes. Jurd RD, et al. **Comp Biochem Physiol [A]** 53(4):381-7, 1976
Xenopus laevis 19S immunoglobulin. Ultrastructure and J chain isolation. Hadji-Azimi I, et al. **Immunology** 30(4):587-91, Apr 76
The effect of thymectomy at different stages of larval development on the immune response of the clawed toad to sheep erythrocytes. Horton JD, et al. **J Exp Zool** 196(2):243-9, May 76

METABOLISM

An autoradiographic study of tritiated uridine incorporation into the larval ovary of Xenopus laevis. Webb AC. **Anat Rec** 184(3):285-99, Mar 76
Progesterone biosynthesis and metabolism by ovarian follicles and isolated oocytes Xenopus laevis. Thibier-Fouchet C, et al. **Biol Reprod** 14(3):317-26, Apr 76
Circular ribosomal DNA and ribosomal DNA: replication in somatic amphibian cells. Rochaix JD, et al. **Chromosoma** 52(4):317-27, 11 Nov 75
Characterization of cytosol and mitochondrial rRNA of reptiles in relation to evolution. Waters BK, et al. **Comp Biochem Physiol [B]** 53(3):283-6, 1976
Changes in the activity and isozymes of acetyl and butyrylcholinesterase during Xenopus laevis development. Atherton RW, et al. **Comp Biochem Physiol [C]** 50(1):27-32,

1 Jan 75

In vivo and in vitro hormonal effects on the metabolism of immature oocytes of Xenopus laevis. Hallberg RL, et al. **Dev Biol** 48(2):308–16, Feb 76

Studies on maturation in Xenopus laevis oocytes. III. Energy production and requirements for protein synthesis. Brachet J, et al. **Differentiation** 3(1–3):3–14, 11 Aug 75

Size, complexity and abundance of a specific poly(A)–containing RNA of liver from male Xenopus induced to vitellogenin synthesis by estrogen. Wahli W, et al. **Eur J Biochem** 66(3):457–65, 15 Jul 76

The stimulatory effect of hypothalamic and mesencephalic tissue on the interrenal of tadpoles of Xenopus laevis Daudin. Horn I. **Gen Comp Endocrinol** 29(2):175–89, Jun 76

Autoradiographic localization of hormone–concentrating cells in the brain of an amphibian, Xenopus laevis. I. Testosterone. Kelley DB, et al. **J Comp Neurol** 164(1):47–59, 1 Nov 75

Autoradiographic localization of hormone–concentrating cells in the brain of an amphibian, Xenopus laevis. II. Estradiol. Morrell JI, et al. **J Comp Neurol** 164(1):63–77, 1 Nov 75

Adult amphibian epidermal proteins: biochemical characterization and developmental appearance. Reeves OR. **J Embryol Exp Morphol** 34(1):55–73, Aug 75

Storage, distribution and utilization of vitamins A in the eyes of adult amphibians and their tadpoles. Bridges CD. **Vision Res** 15(12):1311–23, Dec 75

PHYSIOLOGY

Processes for sodium permeability inactivation in the myelinated nerve fibre of the frog (Xenopus laevis). Brismar T. **Acta Physiol Scand** 97(2):258–60, Jun 76

Nuclear transplantation and the analysis of gene activity in early amphibian development. Gurdon JB. **Adv Exp Med Biol** 62:35–44, 1975 (19 ref.)

Analysis of moving supernumerary limbs of Xenopus laevis. Hollyday M, et al. **Exp Neurol** 51(2):316–29, May 76

Species specificity in the response of an in vitro amphibian (Xenopus laevis) ovulation assay to mammalian luteinizing hormones. Licht P, et al. **Gen Comp Endocrinol** 29(4):552–5, Aug 76

Hormone effects on male sex behavior in adult South African clawed frogs, Xenopus laevis. Kelley DB, et al. **Horm Behav** 7(2):159–82, Jun 76

Morphology and kinetics of spermatogenesis in Xenopus laevis. Kalt MR. **J Exp Zool** 195(3):393–407, Mar 76

Measurement of potassium and chloride ion concentrations in the cupulae of the lateral lines of Xenopus laevis. Russell IJ, et al. **J Physiol (Lond)** 257(1):245–55, May 76

The ionic basis of the resting potential and a slow depolarizing response in Rohon–Beard neurones of Xenopus tadpoles. Spitzer NC. **J Physiol (Lond)** 255(1):105–35, Feb 76

[Metabolism of radioiodine in Xenopus thyroid during larval life and metamorphosis] Nataf B, et al. **C R Acad Sci [D] (Paris)** 280(5):657–60, 3 Feb 75 (Eng. Abstr.) **(Fre)**

XERODERMA see **ICHTHYOSIS**

XERODERMA PIGMENTOSUM

Caffeine enhancement of the cytotoxic and mutagenic effect of ultraviolet irradiation in a xeroderma pigmentosum variant strain of human cells. Maher VM, et al. **Biochem Biophys Res Commun** 71(1):228–34, 12 Jul 76

Xeroderma pigmentosum in brother and sister. Klaber M, et al. **Br J Dermatol** 95 Suppl 24:47–8, Jul 76

The response of Xeroderma pigmentosum cells and controls to the activated mycotoxins, aflatoxins and sterigmatocystin. Stich HF, et al. **Int J Cancer** 16(2):266–74, 15 Aug 75

[Experiences in the treatment of 2 patients with xeroderma pigmentosum] Bergman RB. **Ned Tijdschr Geneeskd** 120(34):1442–6, 21 Aug 76 (Eng. Abstr.) **(Dut)**

[Photohypersensitivity and DNA repair in xeroderma pigmentosum] Walicka M. **Postepy Hig Med Dosw** 29(5):595–618, Sep–Oct 75 **(Pol)**

ANALYSIS

Photoreactivation of pyrimidine dimers in the DNA of normal and xeroderma pigmentosum cells. Sutherland BM, et al. **Biochemistry** 15(2):402–6, 27 Jan 76

COMPLICATIONS

Audiological assessment of deafness associated with xeroderma pigmentosa. Longridge NS. **J Laryngol Otol** 90(6):539–51, Jun 76

[Clinico–genealogical analysis of malignized xeroderma pigmentosum of the face] Voinov EA, et al. **Klin Khir** (2):65–8, 1975 **(Rus)**

DIAGNOSIS

[Xeroderma pigmentosum] von Bremen U, et al. **Z Hautkr** 50(2):73–82, 15 Jan 75 **(Ger)**

ENZYMOLOGY

Low levels of photoreactivating enzyme in xeroderma pigmentosum variants. Sutherland BM, et al. **Nature** 257(5522):132–4, 11 Sep 75

An altered apurinic DNA endonuclease activity in group A and group D xeroderma pigmentosum fibroblasts. Kuhnlein U, et al. **Proc Natl Acad Sci USA** 73(4):1169–73, Apr 76

FAMILIAL & GENETIC

Chromatid exchanges in ataxia telangiectasia, Bloom syndrome, Werner syndrome, and xeroderma pigmentosum. Bartram CR, et al. **Ann Hum Genet** 40(1):79–86, Jul 76

Xeroderma pigmentosum: biochemical and genetic characteristics. Cleaver JE, et al. **Annu Rev Genet** 9:19–38, 1975 (109 ref.)

Genetic complementation analysis of xeroderma pigmentosum. Bootsma D, et al. **Basic Life Sci** 5B:725–8, 1975

Sister chromatid exchange in xeroderma pigmentosum cells that are defective in DNA excision repair or post–replication repair. Wolff S, et al. **Genetics** 81(2):349–55, Oct 75

Inherited DNA repair defects in H. sapiens: their relation to UV–associated processes in xeroderma pigmentosum. pp. 115–27. Robbins JH, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.** (34 ref.)

Defective repair of gamma–ray induced DNA damage in xeroderma pigmentosum cells. Setlow RB, et al. **Int J Radiat Biol** 29(2):125–36, Feb 76

DNA repair synthesis in human heterokaryons. III. The rapid and slow complementing varieties of xeroderma pigmentosum. Giannelli F, et al. **J Cell Sci** 20(1):207–13, Jan 76

Relation of D.N.A. repair processes to pathological ageing of the nervous system in xeroderma pigmentosum. Andrews AD, et al. **Lancet** 1(7973):1318–20, 19 Jun 76

Five complementation groups in xeroderma pigmentosum. Kraemer KH, et al. **Mutat Res** 33(2–3):327–40, Dec 75

[Recent results on 'xeroderma pigmentosum' (apropos of 2 cases)] Offret H, et al. **Bull Soc Ophtalmol Fr** 75(9–10):843–9, Sep–Oct 76 **(Fre)**

[Dynamics of changes in human cells with chromosome and genetic mutations in prolonged cultivation in a stationary phase. Report 1. Study of cells in xeroderma pigmentosum] Vorsanova SG, et al. **Arkh Anat Gistol Embriol** 69(11):74–80, Nov 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological studies in children with xeroderma pigmentosum. Berkel AI, et al. **Turk J Pediatr** 16(2):43–52, Apr 74

[Xeroderma pigmentosum and antigenity of UV–irradiated DNA] Meffert VH, et al. **Dermatol Monatsschr** 162(4):300–5, Apr 76 (Eng. Abstr.) **(Ger)**

METABOLISM

Repair of DNA in xeroderma pigmentosum conjunctiva. Newsome DA, et al. **Arch Ophthalmol** 93(8):660–2, Aug 75

Effects of caffeine on postreplication repair in xeroderma pigmentosum cells. Buhl SN, et al. **Basic Life Sci** 5B:627–30, 1975

The use of human adenovirus 2 in the study of the xeroderma DNA–repair defect. Day R 3d. **Basic Life Sci** 5B:747–52, 1975

Repair deficiency and genetic complementarity of fibroblast cells in culture from six xeroderma pigmentosum patients. Huang PC, et al. **Basic Life Sci** 5B:729–33, 1975

Cytotoxic and mutagenic effects of carcinogenic aromatic amides and polycyclic hydrocarbons and ultraviolet irradiation in normally repairing and repair–deficient (xeroderma pigmentosum) diploid human skin fibroblasts. Maher VM, et al. **Basic Life Sci** 5B:785–7, 1975

Relationships among repair, cancer, and genetic deficiency: overview. Setlow RB. **Basic Life Sci** 5B:711–7, 1975

Response of homozygous and heterozygous xeroderma pigmentosum cells to several chemical and viral carcinogens. Stich HF. **Basic Life Sci** 5B:773–84, 1975 (36 ref.)

DNA–protein cross–linking by ultraviolet radiation in normal human and xeroderma pigmentosum fibroblasts. Fornace AJ Jr, et al. **Biochim Biophys Acta** 435(1):95–103, 2 Jun 76

Colony–forming ability of ultraviolet–irradiated xeroderma pigmentosum fibroblasts from different DNA repair complementation groups. Kraemer KH, et al. **Biochim Biophys Acta** 442(2):147–53, 18 Aug 76

Excision repair of DNA in some photodermatoses. Ichihashi M, et al. **Br J Dermatol** 95(1):13–7, Jul 76

Effect of DNA repair on the cytotoxicity and mutagenicity of UV irradiation and of chemical carcinogens in normal and xeroderma pigmentosum cells. pp. 129–45. Maher VM, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Repair of human DNA: radiation and chemical damage in normal and xeroderma pigmentosum cells pp. 103–13. Regan JD, et al. **In: Yuhas JM, et al., ed. Biology of radiation carcinogensis. New York, Raven Press, 1976. QZ 202 B617 1975.**

Host–cell reactivation of ultraviolet–irradiated SV40 DNA in five complementation groups of xeroderma pigmentosum. Abrahams PJ, et al. **Mutat Res** 35(1):13–22, Apr 76

The influence of caffeine on cell survival in excision–proficient and excision–deficient xeroderma pigmentosum and normal human cell strains following ultraviolet–light irradiation. Arlett CF, et al. **Mutat Res** 33(2–3):341–6, Dec 75

Synergistic effect of caffeine on the cytotoxicity of ultraviolet irradiation and of hydrocarbon epoxides in strains of Xeroderma pigmentosum. Maher VM, et al. **Nature** 258(5537):760–3, 25 Dec 75

Frequency of ultraviolet light–induced mutations is higher in xeroderma pigmentosum variant cells than in normal human cells. Maher VM, et al. **Nature** 261(5561):593–5, 17 Jun 76

DNA single–strand breaks during repair of UV damage in human fibroblasts and abnormalities of repair in xeroderma pigmentosum. Fornace AJ Jr, et al. **Proc Natl Acad Sci USA** 73(1):39–43, Jan 76

Defective thymine dimer excision by cell–free extracts of xeroderma pigmentosum cells. Mortelmans K, et al. **Proc Natl Acad Sci USA** 73(8):2757–61, Aug 76

Restoration of ultraviolet–induced unscheduled DNA synthesis of xeroderma pigmentosum cells by the concomitant treatment with bacteriophage T4 endonuclease V and HVJ (Sendai virus). Tanaka K, et al. **Proc Natl Acad Sci USA** 72(10):4071–5, Oct 75

Defective DNA repair replication in xeroderma pigmentosum fibroblasts and DNA repair of somatic cell hybrids after UV irradiation. Akiba H, et al. **Tohoku J Exp Med** 117(1):1–13, Sep 75

[DNA repair synthesis in xeroderma pigmentosum nuclei in heterokaryons (author's transl)] Akiba H, et al. **Jpn J Dermatol** 85(8):459–66, Jul 75 **(Jpn)**

[DNA repair replication in xeroderma pigmentosum (author's transl)] Akiba H, et al. **Jpn J Dermatol** 85(8):447–57, Jul 75 **(Jpn)**

[DNA repair: studies on the mechanisms of DNA repair in human, based on the experiments with xeroderma pigmentosum cells (author's transl)] Takebe H. **Jpn J Dermatol** 85(12):764–9, Oct 75 **(Jpn)**

PATHOLOGY

[Kaposi's disease. Ultrastructural study of 4 cases] Bonerandi JJ, et al. **Ann Dermatol Syphiligr (Paris)** 102(5–6):499–506, 1975 (Eng. Abstr.) **(Fre)**

[Effects of UV irradiation on the human cells: mechanisms of repair in normal individuals and in individuals with xeroderma pigmentosum] Nuzzo–de Carli F. **Pathologica** 67(967–968):175–86, May–Jun 75 **(Ita)**

PHYSIOPATHOLOGY

The erythemal action spectrum and deoxyribonucleic acid repair synthesis in xeroderma pigmentosum. Ramsay CA, et al. **Br J Dermatol** 92(1):49–56, Jan 75

SURGERY

Xeroderma pigmentosum. Kubáček V. **Acta Chir Plast (Praha)** 17(1–2):3–11, 1975

XEROPHTHALMIA

Xerophthalmia: a status report. Sommer A. **Trop Doct** 6(2):87–90, Apr 76

Vitamin A deficiency and xerophthalmia. Report of a Joint WHO/USAID Meeting. **WHO Tech Rep Ser** (590):1–88, 1976 (86 ref.)

CHEMICALLY INDUCED

Ocular reaction to oxprenolol. A case report. Lewis BS, et al. **S Afr Med J** 50(12):482–3, 20 Mar 76

COMPLICATIONS

Secondary ocular bacterial infection in hypovitaminosis a xerophthalmia. Valenton MJ, et al. **Am J Ophthalmol** 80(4):673–7, Oct 75

DIAGNOSIS

Letter: Xerophthalmia. Choyce DP. **Trop Doct** 6(3):132, Jul 76

Diagnosis of xerophthalmia by vital staining. Sauter JJ. **Trop Doct** 6(2):91–3, Apr 76

DIET THERAPY

A nutrition rehabilitation centre for children with xerophthalmia. Venkataswamy G, et al. **Lancet** 1(7969):1120–2, 22 May 76

ETIOLOGY

Xerophthalmia. Pirie A. **Invest Ophthalmol** 15(5):417–22, May 76

Keratoconjunctivitis sicca. Baum JL. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP619–23, Jul–Aug 76

Vitamin A deficiency and xerophthalmia. **WHO Chron** 30(3):117–20, Mar 76

OCCURRENCE

Xerophthalmia and blindness in Northeast Brazil. Simmons WK. **Am J Clin Nutr** 29(1):116–22, Jan 76

Xerophthalmia and anterior-segment blindness among preschool-age children in El Salvador. Sommer A, et al. **Am J Ophthalmol** 80(6):1066–72, Dec 75

Xerophthalmia and anterior segment blindness. Sommer A, et al. **Am J Ophthalmol** 82(3):439–46, Sep 76

VETERINARY

Keratoconjunctivitis sicca in dogs. Helper LC. **Trans Am Acad Ophthalmol Otolaryngol** 81(4 pt 1):OP624–8, Jul–Aug 76

XERORADIOGRAPHY

Xerographic manifestations of male breast disease. Kalisher L, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):656–61, Nov 75

The use of xeroradiography in the investigation of diseases occurring in the central nervous system. Momose KJ, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(3):662–70, Nov 75

Evaluation of larynx and trachea by xeroradiography. Moorthy SS, et al. **Anesth Analg (Cleve)** 55(4):598–600, Jul–Aug 76

Proceedings: Xeroradiography in dentistry. Binnie WH, et al. **Br J Radiol** 49(582):557, Jun 76

Radiation exposure to the patient in xeroradiography. Boag JW, et al. **Br J Radiol** 49(579):253–61, Mar 76

Proceedings: Clinical applications of xeroradiography. Gravelle IH. **Br J Radiol** 49(582):557, Jun 76

Xerotomography of peripheral lung lesions. Maklad NF, et al. **Chest** 69(4):516–8, Apr 76

Exposure and roentgen-area-product in xeromammography and conventional mammography. Baxt JH, et al. **Health Phys** 30(1):91–4, Jan 76

Xerography or conventional radiography for laryngeal examination? pp. 227–31. Samuel E.
In: Alberti PW, Bryce DP, ed. Workshops from the Centennial Conference on Laryngeal Cancer. New York, Appleton-Century-Crofts, 1976. WV 520 C397w 1976.

Xeroradiography as a technique for diagnosing osteonecrosis. pp. 177–81. Fagan CJ, et al.
In: Beckman EL, Elliott DH, ed. Dysbarism-related osteonecrosis. Washington, US Department of Health Education and Welfare, 1974. WE 200 S99d 1972.

Xeromammography. pp. 419–20. Cramer GG.
In: Najarian JS, Delaney, JP, ed. Advances in cancer surgery. New York, Stratton, 1976. QZ 268 A244 1975.

Application of xeroradiography in sialography. Ferguson MM, et al. **Int J Oral Surg** 5(4):176–9, Aug 76

Xeroradiography in dentistry. Lopez J Jr. **J Am Dent Assoc** 92(1):106–10, Jan 76

Xeroradiographic visualization of trichinae in polar bear muscle. Nelson GS, et al. **J Helminthol** 49(4):301–2, Dec 75

Xeromammography in private practice. Taupmann RE, et al. **J Okla State Med Assoc** 68(10):375–8, Oct 75

Letter: Xeromammography. Hayford WD. **JAMA** 235(7):707, 16 Feb 76

Xeromammography in early detection of breast cancer. Kalisher L, et al. **JAMA** 234(1):60–3, 6 Oct 75

Xeroradiography of the lymphatics. Schertel L, et al. **Lymphology** 8(3):94–9, Sep 75

The addition of mammography to breast carcinoma screening in a general gynecology practice. One year's experience. Burkons DM, et al. **Obstet Gynecol** 48(1):105–8, Jul 76

A critical analysis of xeroradiography of the breast. Paulus DD. **Oncology** 32(5–6):311–8, 1975

Detecting foreign bodies by xeroradiography and other applications of the technique. Mullanney PJ, et al. **Postgrad Med** 59(4):225–7, Apr 76

Enhancement of xeroradiograph image contrast using red filtration. Kalisher L. **Radiology** 119(2):477, May 76

The evaluation of pathologic alterations of juxtaosseous soft tissue by xeroradiography. Otto RC, et al. **Radiology** 120(2):297–302, Aug 76

The evaluation of pathologic alterations of juxtaosseous soft tissue by xeroradiography. Otto RC, et al. **Radiology** 120(2):297–302, Aug 76

Patient exposures from film and xeroradiographic mammographic techniques. Rothenberg LN, et al. **Radiology** 117(3 Pt 1):701–3, Dec 75

Evaluation of xeroradiographic image quality. Zeman GH, et al. **Radiology** 119(3):689–95, Jun 76

Comparison of xeromammography and film mammography in the diagnosis of breast lesions. Brebner DM, et al. **S Afr Med J** 49(34):1380–2, 9 Aug 75

The detection of nonopaque foreign bodies by xeroradiography. Taupmann RE, et al. **South Med J** 68(9):1186–7, Sep 75

Radiation exposure of the breast in film- and xero-mammography. Säbel M, et al. **Strahlentherapie** 151(6):504–10, Jun 76

Localization of peripheral catheter emboli with xeroradiography. Andrassy RJ, et al. **Surgery** 79(3):340–1, Mar 76

[Xeroradiography: a new method of radiographic examination in otorhinolaryngology] Jeanmart L, et al. **Acta Otorhinolaryngol Belg** 29(4):627–31, 1975 **(Fre)**

[Value of xeroradiography in the diagnosis of foreign bodies of the orbit] Chataignon MH, et al. **Bull Soc Ophtalmol Fr** 75(4):442–50, Apr 75 **(Fre)**

[Value of breast xerography] Juillard R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 4 SUPPL 2:163–4, 1975 **(Fre)**

[Xeroradiographic method: progress in the formation of the radiologic image] Borasi G, et al. **J Radiol Electrol Med Nucl** 56 suppl 1:158–60, 1975 **(Fre)**

[Contribution of xerography in the discovery of radiolucent billiary calculi (author's transl)] Eisencher A, et al. **J Radiol Electrol Med Nucl** 56(12):903–6, Dec 75 **(Fre)**

[Breast xeroradiography (author's transl)] Gros CM, et al. **J Radiol Electrol Med Nucl** 56(6–7):471–80, Jun–Jul 75 (Eng. Abstr.) **(Fre)**

[Proceedings: Xeroradiography of the breast] Gros CM, et al. **J Radiol Electrol Med Nucl** 56(4):360–1, Apr 75 **(Fre)**

[Proceedings: Xeroradiography of bone] Gros CM, et al. **J Radiol Electrol Med Nucl** 56(4):361, Apr 75 **(Fre)**

[Breast xerography] Luzzatti G. **J Radiol Electrol Med Nucl** 56 suppl 1:332–4, 1975 **(Fre)**

[Proceedings: Comparison of xeroradiography and the technic of superimposed radiography and photography in the study of facial bone structure] Straub J, et al. **J Radiol Electrol Med Nucl** 56(4):360, Apr 75 **(Fre)**

[Use of a xerographic procedure in orthodontic radiodiagnosis] Sarazin N. **Orthod Fr** 46:139–43, 1975 **(Fre)**

[Xeroradiography : possibilities and value in osteo-articular pathology] Massare C, et al. **Rev Rhum Mal Osteoartic** 43(4):273–80, Apr 76 (Eng. Abstr.) **(Fre)**

[Xeroradiography in rheumatology] Simon L, et al. **Rev Rhum Mal Osteoartic** 43(4):281–9, Apr 76 (Eng. Abstr.) **(Fre)**

[Xerography] Le Pesteur J, et al. **Rev Stomatol Chir Maxillofac** 77(1):233–5, Jan–Feb 76 **(Fre)**

[Xeroradiography in the scope of the face and skull] Wannenmacher M, et al. **Acta Stomatol Belg** 72(4):781–6, 1975 **(Ger)**

[Performance spectrum of xeroradiography in the region of the face and skull] Wannenmacher M, et al. **Acta Stomatol Belg** 72(4):781–6, 1975 **(Ger)**

[A comparison of the radiation dose from film and xeroradiography (author's transl)] Evers R, et al. **Fortschr Geb Roentgenstr Nuklearmed** 123(1):69–72, Jul 75 (Eng. Abstr.) **(Ger)**

[Xeography of the neck and upper airways compared with conventional X-ray techniques (author's transl)] Hauser H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):146–52, Aug 76 (Eng. Abstr.) **(Ger)**

[Xero-radiography of the thorax(author's transl)] Schertel L, et al. **Fortschr Geb Roentgenstr Nuklearmed** 122(5):417–22, May 75 (Eng. Abstr.) **(Ger)**

[Xeroadiography in facio-maxillary surgery (author's transl)] Wannenmacher M, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):153@5, Aug 76 (Eng. Abstr.) **(Ger)**

[Xero-radiography of peripheral arteries (author's transl)] Schirmer HF, et al. **God Zb Med Fak Skopje** 124(5):476–9, May 76 (Eng. Abstr.) **(Ger)**

[Xeroradiography] Schnepper E, et al. **Hippokrates** 46(3):385–93, Aug 75 (24 ref.) **(Ger)**

[Principle of xeroradiography] pp. 147–51. Wolf M.
In: Angerstein W, Gursky S, ed. Grundlagen der Strahlenphysik und radiologischen Technik in der Medizin. Leipzig, Thieme, 1975. WN 100 G889 1975. **(Ger)**

[Xeroradiography of the neck and of the salivary glands (author's transl)] Adler D, et al. **Laryngol Rhinol Otol (Stuttg)** 54(8):623–9, Aug 75 (Eng. Abstr.) **(Ger)**

[Xeroradiography in the diagnosis of breast cancer] Evers R. **Med Welt** 27(21):1024–7, 21 May 76 **(Ger)**

[Xeroradiography and its value in the diagnosis of chondrocalcinosis (author's transl)] Luska G, et al. **Radiologe** 16(2):77–82, Feb 76 (Eng. Abstr.) **(Ger)**

[Technic and possibilities of using xeroradiography] Schertel L, et al. **Radiologe** 15(10):394–9, Oct 75 **(Ger)**

[Xerographic diagnosis of lesions of the cruciate ligaments of the knee-joint (author's transl)] Brase A, et al. **Roentgenblaetter** 29(3):142–7, Mar 76 (Eng. Abstr.) **(Ger)**

[Identification of micro-calcium in the xero-mammogram] Evers R. **Roentgenpraxis** 28(12):297–302, Dec 75 **(Ger)**

[Xeroradiographic field control in telecobalt therapy of the cranial and ear-nose-throat regions] Franken T, et al. **Strahlentherapie** 150(6):563–8, Dec 75 (Eng. Abstr.) **(Ger)**

[Xeroradiography] **ZFA** 52(2):94, 20 Jan 76 **(Ger)**

[Electroroentgenography during surgery of the bile ducts] Rabkin IKh, et al. **Khirurgiia (Mosk)** (4):83–6, Apr 75 (Eng. Abstr.) **(Rus)**

[Use of electroroentgenography in osteomyelitis in children] Shitinin VE, et al. **Khirurgiia (Mosk)** (2):79–81, Feb 76 (Eng. Abstr.) **(Rus)**

[Electroroentgenoscanning in metastases of thyroid gland neoplasms] Marmorshtein SIa, et al. **Med Radiol (Mosk)** 20(10):13–7, Oct 75 **(Rus)**

[Characteristics of manifestations of border effect in electroroentgenobronchography] Mamontov VV, et al. **Med Tekh** (2):12–6, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Electroroentgenography in neurosurgical practice] Samotokin BA, et al. **Vopr Neirokhir** (2):48–50, Mar–Apr 76 **(Rus)**

[Use of electroroentgenography in air contrast studies of the brain] Pustovoitenko VT. **Zh Nevropatol Psikhiatr** 75(11):1607–11, 1975 (Eng. Abstr.) **(Rus)**

[Obstetric zeroradiography: 1st experiences] Diaz Recasens J, et al. **Rev Clin Esp** 138(4):313–20, 31 Aug 75 (Eng. Abstr.) **(Spa)**

METHODS

Soft tissue xeroradiography of the shoulder joint. Reichmann S, et al. **Acta Radiol [Diagn] (Stockh)** 16(6):572–6, Nov 75

Xeroradiography for cephalometric analysis. Johnson NA. **Am J Orthod** 69(5):524–6, May 76

Xerographic evaluation of radical vulvectomy specimens. Milbrath JR, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):486–8, Oct 75

Xerotomography of pulmonary lesions. Carnovale RL, et al. **Br J Radiol** 49(582):516–8, Jun 76

Film and xeroradiographic images in mammography. A comparison of tungsten and molybdenum anode materials. Evans AL, et al. **Br J Radiol** 48(576):968–72, Dec 75

Xeromammography at a community hospital. A year's experience. Heimann WG, et al. **Conn Med** 39(8):465–7, Aug 75

The application of xeroradiography in diagnosis of maxillofacial problems. Kalisher L, et al. **J Can Assoc Radiol** 27(1):52–6, Mar 76

The application of xeroradiography in oral surgery. Olson DJ, et al. **J Oral Surg** 34(5):438–41, May 76

Xeromammography–the process and image characteristics. Gravelle IH, et al. **Med Biol Illus** 25(2):93–6, May 75

Intensifying screen for xeroradiography. Hevezi JM, et al. **Med Phys** 2(5):280–1, Sep–Oct 75

Xeroradiography and ionography: new technologies to replace the x-ray film. Allan FV, et al. **Med Prog Technol** 3(4):143–8, 30 Apr 76

Xerocephalography. Schriver WR, et al. **Oral Surg** 40(6):705–8, Dec 75

Preoperative localization of occult lesions of the breast. Cooperman AM, et al. **Surg Gynecol Obstet** 142(6):917–9, Jun 76

Xeromammography in the early detection of breast cancer. Community hospital experience and approach. Cooperman LR, et al. **West J Med** 123(5):360–6, Nov 75

[Xerotomography of the thorax] Schnieber E. **Dtsch Med Wochenschr** 101(10):377–9, 5 Mar 76 **(Ger)**

[Xeroradiographic studies on the capsule and ligaments of the knee joint. 1.Anatomy of the cruciate and lateral ligaments in the xerotomogram] Frommhold H, et al. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):140–5, Aug 76 (Eng. Abstr.) **(Ger)**

[Concentration of contrast medium in xerophlebography (author's transl)] Kraska H, et al. **Roentgenblaetter** 29(4):153–60, Apr 76 (Eng. Abstr.) **(Ger)**

[Xeroradiography – a new procedure in the x-ray diagnosis: use in horses] Hertsch B. **Tieraerztl Prax** 4(2):223–33, 1976 **(Ger)**

[Role of electroroentgenography (conventional and one with direct image enlargement) in the diagnosis of peripheral cancer and metastases into the lungs] Marmorshtein SIa, et al. **Vestn Rentgenol Radiol** (4):34–9, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

STANDARDS

[The place of xerography combined with routine conventional mammography (author's transl)] Otto R, et al. **Roentgenblaetter** 29(2):66–75, Feb 76 (Eng. Abstr.) **(Ger)**

XEROSTOMIA

CHEMICALLY INDUCED

[Diseases in teeth, periodontium and mouth mucosa as adverse effect to anticholinergics] Hetland L, et al. **Nor Tannlaegeforen Tid** 86(2):54–6, Feb 76 (Eng. Abstr.) **(Nor)**

DIAGNOSIS

[Radioisotopic examination and diagnosis of dryness of the mouth] Parret J, et al. **Rev Stomatol Chir Maxillofac** 76(8):643–51, Dec 75 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Radiation-induced xerostomia in cancer patients. Effect on salivary and serum electrolytes. Dreizen S, et al. **Cancer** 38(1):273–8, Jul 76

Effect of radiation-induced xerostomia on human oral microflora. Brown LR, et al. **J Dent Res** 54(4):740–50, Jul–Aug 75

The effect of radiation-induced xerostomia on saliva and serum lysozyme and immunoglobulin levels. Brown LR, et al. **Oral Surg** 41(1):83–92, Jan 76

XIPHOID BONE see under **STERNUM**

X-RAY, DIAGNOSTIC see **RADIOGRAPHY**

X-RAY DIFFRACTION

X-ray diffraction characteristics of some silicates. Beg MU,

et al. **Am Ind Hyg Assoc J** 36(11):855–6, Nov 75

An X-ray study of poly(L-prolyl-L-alpha-phenylglycyl-L-proline). DEL Pra A, et al. **Biopolymers** 15(3):503–6, Mar 76

An X-ray diffraction study of poly-L-homoarginine hydrochloride. Suwalsky M, et al. **Biopolymers** 14(6):1197–1204, Jun 75

Letter: An 'acid' structure for polyriboguanylic acid observed by X-ray diffraction. Zimmerman SB. **Biopolymers** 14(4):889–90, Apr 75

Structural information in diffuse diffraction patterns. Konnert JH. **Environ Health Perspect** 9:137–8, Dec 74

The crystal structure of the NH4NCS complex of nonactin. Neupert-Laves K, et al. **Helv Chim Acta** 59(2):614–23, 10 Mar 76

Structural chemistry of cyclic nucleotides. IV. Crystal and molecular structure of tetramethylene phosphoric acid. Coulter CL. **J Am Chem Soc** 97(14):4084, 9 Jul 75

The crystal and molecular structure of the antifolate drug trimethoprim (2,4-diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine). A neutron diffraction study. Koetzle TF, et al. **J Am Chem Soc** 98(8):2074–8, 14 Apr 76

Structure of tomato bushy stunt virus. II. Comparison of results obtained by electron microscopy and x-ray diffraction. Jack A, et al. **J Mol Biol** 97(2):163–72, 15 Sep 75

Determination of the bone-crystallites distribution function by x ray diffraction. Chen HL, et al. **Med Biol Eng** 12(4):531–6, Jul 74

[Some aspects of rentgenostructural investigation of the myelin membrane (author's transl)] Sędzik J. **Postepy Biochem** 22(2):211–30, 1976 **(Pol)**

[X-ray diffuse scattering by polypeptides and proteins in solution. IV. Consideration of the solvent effect for globular protein solutions] Fedorov BA, et al. **Mol Biol** 8(5):693–702, Sep-Oct 74 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Synchrotron x-ray sources: a new tool in biological structural and kinetic analysis. Leigh JB. **Annu Rev Biophys Bioeng** 5:239–70, 1976 (21 ref.)

[Experience in the use of synchrotron radiation for the x-ray study of biopolymers] Vazina AA, et al. **Biofizika** 20(5):801–6, Sep-Oct 75 (Eng. Abstr.) **(Rus)**

METHODS

Protein crystallography at sub-zero temperatures: cryo-protective mother liquors for protein crystals. Petsko GA. **J Mol Biol** 96(3):381–92, 15 Aug 75

Small-angle scattering experiments on biological materials using synchrotron radiation. Bordas J, et al. **Nature** 262(5569):541–5, 12 Aug 76

Applications of synchrotron radiation to protein crystallography: preliminary results. Phillips JC, et al. **Proc Natl Acad Sci USA** 73(1):128–32, Jan 76

Protein crystal structures: quicker, cheaper approaches. Collins DM, et al. **Science** 190(4219):1047–53, 12 Dec 75

X-RAY THERAPY see under **RADIOTHERAPY**

X-RAYS see under **RADIATION, IONIZING**

XYLANS see under **POLYSACCHARIDES**

XYLAZINE see under **THIAZINES**

XYLENES

Ostwald solubility coefficients of some industrially important substances. Sherwood RJ. **Br J Ind Med** 33(2):106–7, May 76

Recommendations for a xylene standard. Commentary 2. Eckardt RE. **J Occup Med** 18(8):572, Aug 76

Recommendations for a xylene standard. Commentary 1. Schulz CO. **J Occup Med** 18(8):570–1, Aug 76

Recommendations for a xylene standard. Utidjian HM. **J Occup Med** 18(8):567–70, Aug 76

ADMINISTRATION & DOSAGE

[Treatment of fasciolíasis with hexachloroparaxylol combined with antibiotics] Khashimov DM, et al. **Sov Med** (6):142–3, Jun 75 **(Rus)**

ANALYSIS

[Determination of hexachloroparaxylol in milk] Iarotskil FA, et al. **Veterinariia** (11):77–8, Nov 75 **(Rus)**

CHEMICAL SYNTHESIS

Local anesthetics. 2-Diethylamino-2',6'-acylxylidides. Waraszkiewicz SM, et al. **J Med Chem** 19(4):541–4, Apr 76

METABOLISM

Microbial models of mammalian metabolism: aromatic hydroxylation of isomeric xylenes. Smith RV, et al. **Appl Environ Microbiol** 31(3):448–9, Mar 76

Microbial metabolism of a parathion-xylene pesticide formulation. Munnecke DM, et al. **Appl Microbiol** 30(4):575–80, Oct 75

XYL, a nonconjugative xylene-degradative plasmid in Pseudomonas Pxy. Friello DA, et al. **J Bacteriol** 127(3):1217–24, Sep 76

Ubiquity of plasmids in coding for toluene and xylene metabolism in soil bacteria: evidence for the existence of new TOL plasmids. Williams PA, et al. **J Bacteriol** 125(3):818–28, Mar 76

Metabolism of toluene and xylenes by Pseudomonas (putida (arvilla) mt-2: evidence for a new function of the TOL plasmid. Worsey MJ, et al. **J Bacteriol** 124(1):7–13, Oct 75

PHARMACODYNAMICS

The antibacterial activity of chloroxylenol in combination with ethylenediaminetetra-acetic acid. Dankert J, et al. **J Hyg (Camb)** 76(1):11–22, Feb 76

POISONING

Suicidal intoxication with Dettol (chloroxylenol) (a case report). Coutselinis A, et al. **Med Sci Law** 16(3):180, Jul 76

THERAPEUTIC USE

Letter: Treatment of clonorchiasis. Jopling WH. **Br Med J** 3(5986):767–8, 27 Sep 75

[Effectiveness of agents against dicroceliosis] Grubelashvili DT. **Veterinariia** (2):74, Feb 75 **(Rus)**

[Bitifen in fascioliasis and paramphistomiasis] Mereminskiĭ AI, et al. **Veterinariia** (7):57–8, Jul 75 **(Rus)**

TOXICITY

Peripheral blood of mesitylene vapour treated rats. Wiglusz R, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):315–21, 1975

Serum enzymes activity of mesitylene vapour treated rats. Wiglusz R, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):303–13, 1975

Petroleum hydrocarbon toxicity studies. V. Animal and human response to vapors of mixed xylenes. Carpenter CP, et al. **Toxicol Appl Pharmacol** 33(3):543–58, Sep 75

URINE

Measurement of toluene and xylene metabolites by gas chromatography. Engström K, et al. **Int Arch Occup Environ Health** 36(3):153–60, 26 Jan 76

XYLITOL

Dental aspects of the consumption of xylitol and fructose diets. Mäkinen KK. **Int Dent J** 26(1):14–28, Mar 76

Caries control through the use of sugar substitutes. Scheinin A. **Int Dent J** 26(1):4–13, Mar 76

Comparative study of the balance and metabolic effect of post-operatively infused carbohydrates. Bickel H. **Int J Vitam Nutr Res** (15):131–45, 1976

Postoperative tolerance to glucose and sugar substitutes. Göschke H, et al. **Int J Vitam Nutr Res** (15):277–87, 1975

Comparison of glucose, fructose and xylitol for parenteral alimentation in metabolically healthy men. Heuckenkamp PU. **Int J Vitam Nutr Res** (15):170–6, 1976

Long-term tolerance of healthy human subjects to high amounts of xylitol and fructose: general and biochemical findings. Mäkinen KK. **Int J Vitam Nutr Res** (15):92–104, 1976 (22 ref.)

Xylitol in relation to the incidence of dental caries. Scheinin A. **Int J Vitam Nutr Res** (15):358–67, 1975

Metabolic investigations during xylitol infusion. Watts RW, et al. **Int J Vitam Nutr Res** (15):216–25, 1975

The metabolic complications of intravenous nutrition. Woods HF. **Int J Vitam Nutr Res** (15):54–7, 1976

Proton magnetic relaxation studies of the interaction of D-xylose and xylitol with D-xylose isomerase. Characterization of metal-enzyme-substrate interactions. Young JM, et al. **J Biol Chem** 250(23):9021–7, 10 Dec 75

Sweetness of sucrose and xylitol. Structural considerations. Lindley MG, et al. **J Sci Food Agric** 27(2):140–4, Feb 76

[Xylitol] Huttunen JK. **Duodecim** 92(5):221–3, 1976 **(Fin)**

[Glucose and glucose substitutes in postoperative infusion therapy] Ahnefeld FW, et al. **Int J Vitam Nutr Res** (15):242–51, 1975 (Eng. Abstr.) **(Ger)**

[Oxalate formation by polytraumatized patients after parenteral nutrition with amino acids and xylitol] Dölp R, et al. **Int J Vitam Nutr Res** (15):228–33, 1975 **(Ger)**

[Side effects of sugars and sugar substitutes] Heller L. **Int J Vitam Nutr Res** (15):150–2, 1976 **(Ger)**

ADMINISTRATION & DOSAGE

The metabolic reflection of acute parenteral administration of various sugars. I. Healthy subjects. Brodanová M, et al. **Acta Univ Carol [Med] (Praha)** 21(1–2):53–171, 1975

[Studies of the mechanism of serum uric acid elevation during continuous infusion of xylitol] Kaiser W, et al. **Infusionstherapie** 1(7):548–50, Oct 74 (Eng. Abstr.) **(Ger)**

[Mechanism of serum uric acid increase during continuous xylitol infusions] Kaiser W, et al. **Infusionstherapie** 1(7):548–50, Oct 74 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Metabolic investigations after xylitol infusion in human subjects. Hauschildt S, et al. **Am J Clin Nutr** 29(3):258–73, Mar 76

Possible side effects of glucose, fructose, sorbitol and xylitol in man. Förster H. **Int J Vitam Nutr Res** (15):116–30, 1976

[Crystal formation in tissues after infusions given as a part of intensive therapy] Paulini K. **Int J Vitam Nutr Res** (15):204–15, 1975 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Enzymatic measurement of xylitol in serum, urine and intestinal juice (author's transl)] Asano T. **Jpn J Clin Pathol** 23(5):381–4, May 75 **(Jpn)**

BLOOD

Xylitol metabolism in human erythrocytes. Brand K, et al. **Int J Vitam Nutr Res** (15):44–7, 1976

[Xylitol metabolism in human erythrocytes] Quadflieg KH, et al. **Z Ernaehrungswiss** 14(4):268–71, Dec 75 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

[Preparative production of 5-desoxy-L-arabinose, xylitol and D-ribose from 'diacetone glucose'] Kiss J, et al. **Helv Chim Acta** 58(1):311–7, 29 Jan 75 (Eng. Abstr.) **(Ger)**

METABOLISM

The measurement by a microtitration technique of carbon dioxide production in rat brain slices. Studis with glucose, fructose, and xylitol. Stein HH, et al. **Anal Biochem** 71(2):444–51, Apr 76

The urinary excretion of glycollic acid and threonic acid by xylitol-infused patients and their relationship to the possible role of 'active glycoladehyde' in the transketolase reaction in vivo. Chalmers RA, et al. **Biochem Soc Trans** 3(4):518–21, 1975

Growth of a mutant of Escherichia coli K-12 on xylitol by recruiting enzymes for D-xylose and L1,2-propanediol metabolism. Wu TT. **Biochim Biophys Acta** 428(3):656–63, 28 May 76

Quantitative aspects of the metabolism of glucose, fructose, sorbitol and xylitol. Bässler KH. **Int J Vitam Nutr Res** (15):22–30, 1976 (26 ref.)

Metabolism of glucose substitutes compared to that of glucose. Förster H. **Int J Vitam Nutr Res** (15):68–74, 1976

Comparison between the metabolism of xylitol, sorbitol, fructose and glucose. Froesch ER. **Int J Vitam Nutr Res** (15):239–41, 1975

Hepatic metabolism of pentites. Woods HF. **Nutr Metab** 18 Suppl 1:65–78, 1975

[Editorial: Polyols: sorbitol and xylitol] Sestoft L. **Ugeskr Laeger** 138(11):671–2, 8 Mar 76 **(Dan)**

[Parenteral administration of sugar substitutes with special reference to diabetes mellitus] Haslbeck M. **Infusionstherapie** 1(7):569–76, Oct 74 (Eng. Abstr.) **(Ger)**

[Total clearance of glucose alone or glucose in mixed carbohydrate solutions after continuous intravenous infusion] Matzkies F, et al. **Int J Vitam Nutr Res** (15):48–51, 1976 **(Ger)**

[Sugar substitutes in the diabetic diet] Menhnert H. **Int J Vitam Nutr Res** (15):295–324, 1975 (32 ref.) (Eng. Abstr.) **(Ger)**

[Metabolism of sorbitol and xylitol in newborn and premature infants and the effect on blood sugar and lactates] Willgerodt H, et al. **Int J Vitam Nutr Res** (15):161–9, 1976 (Eng. Abstr.) **(Ger)**

[Utilization of xylitol in the isolation-perfused myocardium of the rat] Mader H, et al. **Z Ernaehrungswiss** 15(1):54–8, Mar 76 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect on plaque of a xylitol-containing chewing-gum. A pilot study. Mouton C, et al. **Acta Odontol Scand** 33(1):27–31, 1975

Effect on plaque of a xylitol-containing chewing-gum. A clinical and biochemical study. Mouton C, et al. **Acta Odontol Scand** 33(1):33–40, 1975

Studies on the effect of xylitol on oxalate formation. Hauschildt S, et al. **Biochem Pharmacol** 25(1):27–9, Jan 76

The influence of pH variations and additives on the 2.3-DPG level in stored erythrocytes. pp. 483–6. Strauss D, et al.

In: Rapoport S, Jung F, ed. Internationales symposium uber Struktur und Funktion der Erythrozyten. Berlin, Akademie-Verlag, 1975. W3 IN9848G 1973s.

Effects of oral xyiitol administration on carbohydrate and lipid metabolism in normal subjects. Müller-Hess R, et al. **Infusionstherapie** 2(4):247–52, Aug 75

Serum lipids, uric acid and glucose during chronic consumption of fructose and xylitol in healthy human subjects. Huttunen JK. **Int J Vitam Nutr Res** (15):105–15, 1976

Effects of fructose and xylitol on hepatic carbohydrate metabolism and its hormonal control. Jakob A. **Int J Vitam Nutr Res** (15):66–7, 1976

Possible mechanisms for the cariostatic effect of xylitol. Mäkinen KK. **Int J Vitam Nutr Res** (15):368–80, 1975 (30 ref.)

Xylitol: stimulation of insulin and inhibition of glucagon responses to arginine in man. Seino Y, et al. **J Clin Endocrinol Metab** 42(4):736–43, Apr 76

Effect of xylitol on the growth of three oral strains of Candida albicans. Mäkinen KK, et al. **J Dent Res** 54(6):1239, Nov-Dec 75

Xylitol-induced increase of lactoperoxidase activity.

Mäkinen KK, et al. **J Dent Res** 55(4):652–60, Jul–Aug 76

[Metabolic effects of parenteral administration of glucose, fructose, sorbitol and xylitol in cirrhotic and healthy subjects] Brodanová M, et al. **Cas Lek Cesk** 115(13):387–93, 2 Apr 76 (Eng. Abstr.) **(Cze)**

[Comparative study of i.v. administration of xylitol and sorbitol to diabetics] Dubach UC. **Int J Vitam Nutr Res** (15):81–91, 1976 (Eng. Abstr.) **(Ger)**

[Metabolic effects of a mixed carbohydrate solution with simultaneous infusion of amino acids] Matzkies F, et al. **Int J Vitam Nutr Res** (15):153–8, 1976 **(Ger)**

[Effect of carbohydrate infusions on the formation of calcium oxalate deposits in the kidney: postmortem morphological and biochemical findings in humans and in animal experiments] Pesch HJ, et al. **Int J Vitam Nutr Res** (15):193–203, 1975 (Eng. Abstr.) **(Ger)**

[The effect of glucose substitutes on human uric acid metabolism (author's transl)] Heuckenkamp PU, et al. **Munch Med Wochenschr** 117(37):1145–52, 12 Sept 75 (Eng. Abstr.) **(Ger)**

[Nucleic acid metabolism in the liver in cells in liver diseases 2. Observation on fatty liver in choline-deficient rat, with special reference to modification of the disease process with xylitol] Takehara K. **Jpn J Gastroenterol** 72(5):537–44, May 75 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Metabolism and physiological effects of the polyols (alditols). pp. 123–34. Touster O.
In: Jeanes A, Hodge J, ed. Physiological effects of food carbohydrates. Washington, D.C., American Chemical Society, 1975. QU 75 A512p 1974. (43 ref.)

THERAPEUTIC USE

[Letter: Sweet toothpaste] Strommen J. **Nor Tannlaegeforen Tid** 86(4–1):170, Apr 76 **(Nor)**

XYLOCAINE see **LIDOCAINE**

XYLOSE

Synthesis of methyl alpha- and beta-D-xylopyranoside-5-18O. Hitz WD, et al. **Carbohydr Res** 46(2):195–200, Feb 76

Determination of the anomeric configuration of D-xylose with D-xylose isomerases. Kersters-Hilderson H, et al. **Carbohydr Res** 47(2):269–73, Apr 76

Studies on cyclodextrin glycosyltransferase. IV. Enzymatic synthesis of 3-O-alpha-D-glucopyranosyl-L-sorbose and 4-O-alpha-D-glucopyranosyl-D-xylose using cyclodextrin glycosyltransferase. Kitahata S, et al. **J Biochem (Tokyo)** 79(3):641–8, Mar 76

Proton magnetic relaxation studies of the interaction of D-xylose and xylitol with D-xylose isomerase. Characterization of metal-enzyme-substrate interactions. Young JM, et al. **J Biol Chem** 250(23):9021–7, 10 Dec 75

ADMINISTRATION & DOSAGE

[D-xylose absorption test. Part I. Dosage in D-xylose absorption test] Kinugasa K, et al. **Jpn J Gastroenterol** 73(5):525–9, May 76 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Biochemical pharmacology of a new thiopurine nucleoside derivative. LePage GA, et al. **Ann NY Acad Sci** 255(751106–751230–2):481–8, 8 Aug 75

ANALYSIS

A sensitive automated method for the determination of serum and urine xylose. Braidwood JL, et al. **Clin Biochem** 9(1):19–21, Feb 76

The ortho-toluidine method for blood and urine xylose. Buttery JE, et al. **Clin Chim Acta** 64(3):325–8, 3 Nov 75

[An ultramicromethod for the determination of d-xylose in blood and urine] Rozental M, et al. **Z Med Labortech** 16(4):191–6, 1975 (Eng. Abstr.) **(Ger)**

BLOOD

[Determination of plasma D-Xylose] Lorenz E, et al. **Med Lab (Stuttg)** 28(9):198–203, Sep 75 **(Ger)**

DIAGNOSTIC USE

Letter: Usefulness of the xylose test for coeliac disease. Ose L, et al. **Arch Dis Child** 51(5):400–1, May 76

Letter: Reappraisal of the xylose test. Rolles CJ, et al. **Arch Dis Child** 50(9):748–9, Sep 75

Xylose absorption and its clinical significance. Hindmarsh JT. **Clin Biochem** 9(3):141–3, Jun 76

Combined lactose-D-xylose tolerance test in infancy. Chandrasekaran R, et al. **Digestion** 14(3):281–4, 1976

The D-xylose excretion test in hookworm disease in childhood. Arora S. **Indian Pediatr** 12(7):599–602, Jul 75

Letter: One-hour blood-xylose test in diagnosis of cow's-milk allergy. Morin CL, et al. **Lancet** 2(7985):589, 11 Sep 76

[Validity of the D-xylose test for the detection of the proximal small intestine lesions. Statistical study of the discriminant parameters and of their cut-off values (author's transl)] Mary JY, et al. **Biol Gastroenterol (Paris)** 8(4):297–305, Oct–Nov 75 (Eng. Abstr.) **(Fre)**

[Letter: The xylose test in the diseases involving the intestinal mucosa] Delattre P, et al. **Nouv Presse Med** 5(9):584, 28 Feb 76 **(Fre)**

[The blood-xylose test in childhood: correlation between 1 hour blood-xylose levels and numbers of intraepithelial lymphocytes in intestinal mucosa in celiac disease] Schaad U, et al. **Helv Paediatr Acta** 30(4–5):331–41, Jan 76 (Eng. Abstr.) **(Ger)**

[The application of a combined Xylose-lactose tolerance-test in children with suspected malabsorption (author's transl)] Brügmann G, et al. **Monatsschr Kinderheilkd** 124(2):54–8, Feb 76 **(Ger)**

[D-xylose absorption test. Part II. Effects of aging on D-xylose absorption test] Kinugasa K, et al. **Jpn J Gastroenterol** 73(5):530–5, May 76 (Eng. Abstr.) **(Jpn)**

[Biologic availability of various preparations of acetylsalicylic acid and their effect on the usefulness of the xylose test in man] Markiewicz A. **Pol Arch Med Wewn** 54(3):289–95, Sep 75 (Eng. Abstr.) **(Pol)**

[D-xylose test in healthy children] Klinowska W, et al. **Pol Tyg Lek** 30(49):2041–3, 8 Dec 75 (Eng. Abstr.) **(Pol)**

METABOLISM

Stimulation of sugar transport in rat diaphragm by 8-bromoguanosine 3', 5'-monophosphate. Pinkett MO, et al. **Biochim Biophys Acta** 399(2):473–7, 13 Aug 75

Growth of a mutant of Escherichia coli K-12 on xylitol by recruiting enzymes for D-xylose and L1,2-propanediol metabolism. Wu TT. **Biochim Biophys Acta** 428(3):656–63, 28 May 76

Xylanase (hemicellulase) activity in cell-free rumen fluid. Morrison IM. **Carbohydr Res** 47(1):129–39, Mar 76

Normal and abnormal xylose absorption in the horse. Bolton JR, et al. **Cornell Vet** 66(2):183–97, Apr 76

Growth on D-arabitol of a mutant strain of Escherichia coli K12 using a novel dehydrogenase and enzymes related to L-1,2-propanediol and D-xylose metabolism. Wu TT. **J Gen Microbiol** 94(2):246–56, Jun 76

Temperature dependence of the energy-linked monosaccharide transport across the cell membrane of Rhodotorula gracilis. Heller KB, et al. **J Membr Biol** 21(3–4):261–71, 22 May 75

Short-term measurement of D-xylose uptake by isolated rat soleus muscle. Sloan IG, et al. **Mol Cell Endocrinol** 4(4):223–37, Mar 76

[Study of the polyoldehydrogenases of the yeast Candida tropicalis during growth on various substrates] Shakhova IK. **Biol Nauki** (8):89–91, 1975 **(Rus)**

[Effect of neuraminidase on the sugar transport system in muscle tissue] Natroshvili TG, et al. **Dokl Akad Nauk SSSR** 227(6):1483–5, 1976 **(Rus)**

[Absorption of vitamin B12 and d-xylose in radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Absorption of vitamin B 12 and d-xylose during radiation therapy] Ole RA, et al. **Med Radiol (Mosk)** 21(3):55–7, Mar 76 (Eng. Abstr.) **(Rus)**

[Height of children with G. lamblia and there capacity to absorb d-xylose] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 33(2):293–9, Mar–Apr 76 (Eng. Abstr.) **(Spa)**

[D-xylose absorption and weight increase during treatment of celiac disease] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 33(3):621–8, May–Jun 76 (Eng. Abstr.) **(Spa)**

[Absorption of D-xylose in intestinal parasitic diseases] Vega Franco L, et al. **Prensa Med Mex** 40(7–8):197–201, Jul–Aug 75 (Eng. Abstr.) **(Spa)**

[D-xylose absorption in gastrectomized patients: a new metabolic disorder of the postoperative disease] de la Fuente Perucho A. **Rev Clin Esp** 139(2):171–7, 31 Oct 75 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of beta-D-xylosides on collagen synthesis in cultured fibroblasts. Schwartz NB, et al. **Biochem Biophys Res Commun** 67(3):1108–13, 1 Dec 75

Effect of beta-xylosides on synthesis of cartilage-specific proteoglycan in chondrocyte cultures. Schwartz NB, et al. **Biochem Biophys Res Commun** 71(3):851–6, 9 Aug 76

Transepithelial calcium transport enhanced by xylose and glucose in the rat jejunal ligated loop. Pansu D, et al. **Calcif Tissue Res** 21 Suppl:45–52, Aug 76

Modifications of mammalian cell surfaces induced by sugars: scanning electron microscopy. Amos H, et al. **Cell** 7(1):97–103, Jan 76

Studies on the active site of yeast hexokinase. Specific phosphorylation of a serine residue induced by D-xylose and ATPMg. Menezes LC, et al. **Eur J Biochem** 65(1):41–7, 17 May 76

URINE

Assessment of portasystemic shunt patency by estimation of D-xylose excretion. Smith RC, et al. **Br J Surg** 63(6):435–7, Jun 76

[D-xylose absorption in patients treated with combined cytostatic drugs] Beró T, et al. **Orv Hetil** 117(1):22–5, 4 Jan 76 **(Hun)**

XYLULOSE see under **PENTOSES**

Y 6047 see under **AZEPINES**

Y CHROMOSOME see **SEX CHROMOSOMES**

YABA VIRUS

ANALYSIS

Molecular weight of Yaba monkey tumor virus DNA. Rouhandeh H. **Biochim Biophys Acta** 442(1):66–70, 2 Aug 76

Fenger T Fenger T, et al. **J Virol** 18(2):757–64, May 76

GROWTH & DEVELOPMENT

Distribution of Lednice (Yaba 1) virus in the chick embryo. Rajčáni J, et al. **Acta Virol (Praha)** 19(6):467–72, Nov 75

PHYSIOLOGY

[Yaba 1—Lednice 110 virus proliferation in chicken embryo (author's transl)] Málková D, et al. **Cesk Epidemiol Mikrobiol Imunol** 24(4):225–30, Jul 75 (Eng. Abstr.) **(Cze)**

YAW see under **MOTION**

YAWS

COMPLICATIONS

Treponemal depigmentation, with special reference to yaws. Browne SG. **S Afr Med J** 50(11):442–5, 13 Mar 76

DIAGNOSIS

Goundou—tertiary yaws in the maxilla. Trenouth MJ. **Br J Oral Surg** 13(2):166–71, Nov 75

Early stages of yaws in a 2-year-old African girl. Elste G. **Br J Vener Dis** 52(3):206–7, Jun 76

PREVENTION & CONTROL

Endemic syphilis, yaws, and pinta. pp. 365–73. Cutler JC.
In: Johnson RC, ed. The biology of parasitic spirochetes. New York, Academic Press, 1976. QW 155 S989 1975b.

RADIOGRAPHY

[Teritary frambesia: skeletal manifestation in the spine andribs] Ramin Dv. **Fortschr Geb Roentgenstr Nuklearmed** 125(2):185–7, Aug 76 **(Ger)**

YEAST, DRIED

see related
SACCHAROMYCES CEREVISIAE

Yeast extract in media for in vitro cultivation of cestodes. Sinha DP. **Indian J Exp Biol** 14(1):46–50, Jan 76

Glutathione peroxidase response to selenium intake in lambs fed a Torula yeast-based, artificial milk. Oh SH, et al. **J Anim Sci** 42(4):977–83, Apr 76

Microwave drying of microorganisms: I. Influence of the microwave energy and of the sample thickness on the drying of yeast. Gomes AM, et al. **J Microwave Power** 10(3):265–70, Sep 75

Utilization of yeast polyglutamate folates in man. Grossowicz N, et al. **Proc Soc Exp Biol Med** 150(1):77–9, Oct 75

ANALYSIS

Culture method for detection of Salmonella in dried active yeast: collaborative study. Poelma PL, et al. **J Assoc Off Anal Chem** 59(4):731–33, Jul 76

DIAGNOSTIC USE

[Use of casein-yeast serum agar in tissue culture for the diagnosis of gonorrhea] Bednova VN, et al. **Vestn Dermatol Venerol** (6):40–3, Jun 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Studies on Hymenolepis microstoma in vitro. II. Effect of yeast extract on development and maturation. Khan ZI, et al. **Z Parasitenkd** 50(1):73–9, 27 Jul 76

THERAPEUTIC USE

[Preoperative treatment by gynecologic Ultra-yeast in the vaginal surgery] Touré P, et al. **Bull Soc Med Afr Noire Lang Fr** 19(4):377–83, 1974 (Eng. Abstr.) **(Fre)**

[Treatment of diseminated sclerosis with dexamethasone, pyrogenal and 'proper-myl'and their effect on peripheral blood leukocytes] Grechukh AM. **Klin Med (Mosk)** 53(9):93–6, Sep 75 (Eng. Abstr.) **(Rus)**

YEASTS

Yeast bezoar formation following gastric surgery. Perttala Y, et al. **Am J Roentgenol Radium Ther Nucl Med** 125(2):365–73, Oct 75

Trichosporon sepsis and leukemia. Rivera R, et al.

Cancer 36(3):1106–10, Sep 75

Safety evaluation of yeast grown on hydrocarbons. IV. Two-year feeding and multigeneration study in rats with yeast grown on pure n-paraffins. de Groot AP, et al. **Food Cosmet Toxicol** 13(6):619–27, Dec 75

Enzymatic digestion of yeast in some animals. pp. 93–114. Hibino S, et al.
In: Davis P, ed. Single cell protein. London, Academic Press, 1974. QU 55 I67s 1973.

Response of livestock and poultry to SCP. pp. 115–28. Shacklady CA.
In: Davis P, ed. Single cell protein. London, Academic Press, 1974. QU 55 I67s 1973. (25 ref.)

In vivo purification of mitochondrial genes in petite mutants of yeast: the genetic and biochemical characterization of mutants enriched in mitochondrial ribosomal RNA cistrons. pp. 155–67. Nagley P, et al.
In: Peacock WJ, Brock RD, ed. The eukaryote chromosome. Canberra, Australian National Univ Press, 1975. QH 600 E87 1973.

Cell collection: recovery and drying for SCP manufacture. pp. 69–104. Labuza TP.
In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973. (56 ref.)

Yeasts in the urine. Speller DC. **J Antimicrob Chemother** 1(3):253–4, Sep 75

Serine substitutions caused by an ochre suppressor in yeast. Liebman SW, et al. **J Mol Biol** 94(4):595–610; 5 Jun 75

Accessible and inaccessible bases in yeast phenylalanine transfer RNA as studied by chemical modification. Rhodes D. **J Mol Biol** 94(3):449–60, 25 May 75

Mutagenesis in yeast. Kilbey BJ. **Methods Cell Biol** 12:209–31, 1975 (76 ref.)

Dissecting yeast asci without a micromanipulator. Munz P. **Methods Cell Biol** 11:185–8, 1975 (2 ref.)

Cytoplasmic inheritance and mitochondrial genetics in yeasts. Wilkie D. **Methods Cell Biol** 12:353–72, 1975 (32 ref.)

[Value of alkane-produced protein and three animal meals for growth and body nitrogen of meal worms (Tenebrio molitor L.)] Gnacadja PC. **Ann Nutr Aliment** 29(1):51–60, 1975 (Eng. Abstr.) **(Fre)**

[Letter: Yeasts isolated from human urinary sample. Prevalence and high resistance of Trichosporon cutaneum] Guinet R. **Nouv Presse Med** 5(28):1760, 28 Aug–4 Sep 76 **(Fre)**

[Nutritional value of wine yeast for sheep and swine] Schüler D, et al. **Arch Tierernaehr** 26(1):61–5, Jan 76 (Eng. Abstr.) **(Ger)**

[Hygienic characteristics of the nutritive value of food products produced by the use of hydrocarbon yeasts in animal husbandry] Svechnikov VS. **Gig Sanit** (6):32–6, Jun 76 (Eng. Abstr.) **(Rus)**

[Absorption and luminescence spectrums of blood and yeast] Gurov FI, et al. **Sud Med Ekspert** 18(3):32–5, Jul–Sep 75 **(Rus)**

[Study of the action of yeast polysaccharides of different structures on the tobacco mosaic virus] Kovalenko AG, et al. **Mikrobiol Zh** 36(4):490–7, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

ANALYSIS

Localization of mannan at the surface of yeast protoplasts by scanning electron microscopy. Horisberger M, et al. **Arch Microbiol** 109(1–2):9–14, Aug 76

Methylation and acetolysis of extracellular D-mannans from yeast. Seymour FR, et al. **Carbohydr Res** 48(2):225–37, Jun 76

Naturally occurring cross-links in yeast chromosomal DNA. Forte MA, et al. **Cell** 8(3):425–31, Jul 76

The distribution of pyrophosphatidic acid in nature. Itoh T, et al. **J Biochem (Tokyo)** 78(4):817–20, October 75

Analytical methods for yeasts. Stewart PR.
Methods Cell Biol 12:111–47, 1975 (83 ref.)

Biological value of the biomass and protein isolates from different yeasts. Charatjan SG, et al. **Nahrung** 19(9–10):885–90, 1975

[Proteins from akane cultured yeasts and human nutrition] Gounelle de Pontanel H, et al. **Bibl Nutr Dieta** 21(21):137–46, 1975 **(Fre)**

[Some details of isolation of total protein from biomass of monocellular organisms, for dietary purposes] Rogoshin SW, et al. **Nahrung** 19(9–10):961–2, 1975 **(Ger)**

[Fractional makeup of the lipids of some yeast species] Pitriuk IA, et al. **Mikrobiologiia** 44(5):813–9, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Fatty acid makeup of the lipids in soil and epiphytic yeasts] Zviagintseva IS, et al. **Mikrobiologiia** 44(4):625–31, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

[Effect of the chemical nature of the carbon source in the medium on the makeup of the biomass] Osovik AN, et al. **Prikl Biokhim Mikrobiol** 11(5):645–8, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Use of numerical taxonomy in the genus candida and certain related yeast genera. Herlea V.
Arch Roum Pathol Exp Microbiol 33(3–4):335–55, Jul–Dec 74

The use of gas chromatography for the identification of microorganisms. pp. 163–80. Mandle RJ, et al.
In: Prier JE, et al., ed. Modern methods in medical microbiology. Baltimore, Univ Park Press, 1976. QW 25 M689 1974.

Evaluation of the Uni-Yeast-Tek kit for the identification of medically important yeasts. Bowman PI, et al. **J Clin Microbiol** 2(4):354–8, Oct 75

Evaluation of commercial systems for the identification of clinical yeast isolates. Bowman PI, et al. **J Clin Microbiol** 4(1):49–53, Jul 76

Rapid methods for identification of yeasts. Huppert M, et al. **J Clin Microbiol** 2(1):21–34, Jul 75

Improved auxanographic method for yeast assimilations: a comparison with other approaches. Land GA, et al. **J Clin Microbiol** 2(3):206–17, Sep 75

Evaluation of the API 20 c microtube system for the identification of clinically important yeasts. Roberts GD, et al. **J Clin Microbiol** 3(3):302–5, Mar 76

Identifying yeasts English MP. **Med Lab Technol** 31(4):327–33, Oct 74

[The enzymatic hydrolysis of cell wall applied to yeasts classification (author's transl)] Bastide M, et al. **Ann Microbiol (Paris)** 126(3):275–94, Apr 75 (Eng. Abstr.) **(Fre)**

[Comparative study of immunization technics applied to yeasts: research on the antigenic relationship of 7 strains] Charpentier C, et al. **Mykosen** 19(1):1–12, Jan 76 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Letter: Morphologic identification of pathogenic yeasts. Joshi KR. **Am J Clin Pathol** 64(6):822–4, Dec 75

Preparation and growth of yeast protoplasts. Kuo SC, et al. **Methods Cell Biol** 11:169–83, 1975 (92 ref.)

The preparation of yeasts for light microscopy. Robinow CF. **Methods Cell Biol** 11:1–22, 1975

Use of micromanipulators in yeast studies. Sherman F. **Methods Cell Biol** 11:189–99, 1975 (19 ref.)

DRUG EFFECTS

In vitro studies with combinations of 5-fluorocytosine and amphotericin B. Shadomy S, et al.
Antimicrob Agents Chemother 8(2):117–21, Aug 75

Antibiotic action of beta-ursolic acid. Kowalewski Z, et al. **Arch Immunol Ther Exp (Warsz)** 24(1):115–9, 1976

Antimicrobial agents. XXVI. Antifungal activity of 2-methylthio-5-(3-iodopropargyloxy)pyrimidine toward pathogenic yeast-like microorganisms. Capek A, et al. **Folia Microbiol (Praha)** 21(2):155–6, 1976

A diffusion disc susceptibility test for 5-fluorocytosine. pp. 81–7. Utz C, et al.
In: Williams JD, Geddes AM, ed. Chemotherapy. Vol 2. New York, Plenum Press, 1976. W3 IN351 1975c.

[Proceedings: Combined effect of an inhibitor of mitochondrial nucleotide translocation and a respiratory inhibitor on growth of the yeast Schizosaccharomyces pombe] Labaille MF, et al. **Arch Int Physiol Biochim** 83(2):379–80, May 75 **(Fre)**

[The resistance of yeasts to new antimycotic agents] Bernhardt H, et al. **Dermatol Monatsschr** 162(2):173–6, Feb 76 **(Ger)**

[Effect of antimicrobial preparations on thermogenesis in yeast-like fungi and in staphylococcus] Demchuk BN, et al. **Antibiotiki** 21(3):222–6, Mar 76 (Eng. Abstr.) **(Rus)**

[Utilization of yeast mutants with a defect in the cellular membrane in the search for anticancer antibiotics] Gauze GF, et al. **Antibiotiki** 21(7):591–3, Jul 76 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Specific binding of Cibacron blue F3G-A to yeast phosphofructokinase. Böhme HJ, et al.
Acta Biol Med Ger 34(9):1447–51, 1975 (Eng. Abstr.)

Purification of alkaline phosphatase of the halotolerant yeast Debaryomyces hansenii. Adler L. **Acta Chem Scand [B]** 30(1):43–8, 1976

Characterization of charge isomers of yeast phosphoglycerate kinase. Evidence for intracellular differences. Arvidsson L, et al. **Acta Chem Scand [B]** 30(3):228–34, 1976

Purification of D-amino oxidase from Trigonopsis variabilis. Berg CP, et al. **Anal Biochem** 71(1):214–22, Mar 76

Structural properties and template requirements of yeast RNA polymerases. pp. 289–302. Buhler JM, et al.
In: Hidvegi EJ et al., ed. Biochemistry of the cell nucleus; mechanism and regulation of gene expression. Amsterdam, North-Holland, 1975. WE FE322 9th 1974 v.33.

Proteinase C (carboxypeptidase Y) mutant of yeast. Wolf DH, et al. **J Bacteriol** 123(3):1150–6, Sep 75

Activities of regulatory enzymes in alkane-utilizing and lipid-accumulating yeasts and moulds. Whitworth DA, et al. **J Gen Microbiol** 90(1):183–6, Sep 75

Growth inhibitory properties of aromatic alpha-ketoaldehydes toward bacteria and yeast. Comparison of inhibition and glyoxalase I activity. Vander Jagt DL. **J Med Chem** 18(11):1155–8, Nov 75

[Characterization of multiple forms of yeast alcohol dehydrogenase using polyacrylamide gel electrophoresis] Nebe M, et al. **Acta Biol Med Ger** 33(4):511–4, 1974 **(Ger)**

[Activation of the fermentative activity of yeasts by yeast cell fractions] Ermachenko VA, et al.
Izv Akad Nauk SSSR [Biol] (5):769–71, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Extracellular l-asparaginase of yeasts] Kvasnikov EI, et al. **Mikrobiol Zh** 36(5):638–9, Sep–Oct 74 (Eng. Abstr.) **(Ukr)**

GROWTH & DEVELOPMENT

Molecular aspects of yeast morphogenesis. Cabib E.
Annu Rev Microbiol 29:191–214, 1975

Influence of wine composition on the heat resistance of potential spoilage organisms. Splittstoesser DF, et al. **Appl Microbiol** 30(3):369–73, Sep 75

Morphological conversion of 13 strains of three dimorphic fungi in tap and stream water. Sheiban ZB.
Bull Soc Pathol Exot 68(1):46–50, Jan–Feb 75

Temperature optima for bacteria and yeasts from cold-mountain habitats. Mosser JL, et al.
Can J Microbiol 22(2):324–5, Feb 76

Semi-commercial studies of a petroprotein process based on n-paraffins. pp. 454–66. Cooper PG, et al.
In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.

The production of yeast from n-paraffins. pp. 438–53. Kanazawa M.
In: Tannenbaum SR, Wang DI, ed. Single-cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.

Heat resistance studies on yeast spp. causing spoilage in soft drinks. Put HM, et al. **J Appl Bacteriol** 40(2):135–52, Apr 76

Continuous cultivation of yeasts. Fiechter A.
Methods Cell Biol 11:97–130, 1975 (49 ref.)

Growth and handling of yeasts. Rose AH.
Methods Cell Biol 12:1–16, 1975 (45 ref.)

[Proteins from hydrocarbon fermentation] Champagnat A. **Z Ernaehrungswiss** 14(2):125–32, Jun 75 (Eng. Abstr.) **(Fre)**

[Sodium chloride tolerance yeast strains of human microflora] Schönborn C. **Dermatol Monatsschr** 162(7):564–70, Jul 76 (Eng. Abstr.) **(Ger)**

[Bound dissipation function and its alteration during the growth of a yeast culture] Zotin AI, et al.
Izv Akad Nauk SSSR [Biol] (4):593–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Evaluation of antibody coating of yeasts in urine as an indicator of the site of urinary tract infection. Harding SA, et al. **J Clin Microbiol** 2(3):222–5, Sep 75

ISOLATION & PURIFICATION

Evaluation of a multitest microtechnique for yeast identification. Miller RE Jr, et al. **Am J Med Technol** 42(7):238–42, Jul 76

Yeast-like fungi recovered from normal human skin in Nsukka (Nigeria). Njoku-Obi AN, et al.
Antonie van Leeuwenhoek 42(1–2):101–5, 1976

Yeasts in bovine semen. Richard JL, et al. **Cornell Vet** 66(3):362–8, Jul 76

A volumetric study of winter fungus prevalence in the air of midwestern homes. Solomon WR.
J Allergy Clin Immunol 57(1):46–55, Jan 76

Comparative isolation of vaginal yeasts on selective and nonselective media. Brashear MD, et al.
J Clin Microbiol 3(6):640–2, Jun 76

Clinical comparison of aerobic, hypertonic, and anaerobic culture media for the radiometric detection of bacteremia. Coleman RM, et al. **J Clin Microbiol** 3(3):281–6, Mar 76

Recovery of yeast from vented blood culture bottles. Roberts GD, et al. **J Clin Microbiol** 2(1):18–20, Jul 75

Evaluation of a dehydrated test strip for the detection of yeasts. Davies RR, et al. **J Clin Pathol** 28(9):750–2, Sep 75

Letter: Dehydrated test strip for the detection of yeasts. Mulhall A, et al. **J Clin Pathol** 29(2):175, Feb 76

[Testing for the presence of moulds and yeasts, and their significance, in deep frozen food of animal origin (author's transl)] Vercruysse JG. **Tijdschr Diergeneeskd** 101(5):227–33, 1 Mar 76 (Eng. Abstr.) **(Dut)**

[Occurrence of yeasts and therapeutic results in chronic urticaria] Schade C, et al. **Dermatol Monatsschr** 161(3):187–95, Mar 75 (Eng. Abstr.) **(Ger)**

[The incidence of yeasts during mass screening of the Bundeswehr soldiers] Heber W, et al. **Mykosen** 18(9):397–406, Sep 75 (Eng. Abstr.) **(Ger)**

[Leukorrhea] Gauert B. **Z Aerztl Fortbild (Jena)** 69(18):975–9, 15 Sep 75 **(Ger)**

[Yeast flora of plant rhizosphere and phyllosphere] Kvasnikov EI, et al. **Mikrobiologiia** 44(2):339–46, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

[Yeast microflora of mineral water 'Naftusia' of the Truskavets spa] Kvasnikov EI, et al. **Mikrobiol Zh** 37(5):563–8, Sep–Oct 75 (Eng. Abstr.) **(Ukr)**

METABOLISM

The utilization of sugars by yeasts. Barnett JA.
Adv Carbohydr Chem Biochem 32:125–234, 1976 (710 ref.)

Sensitivity of yeasts to lithium. Asensio J, et al.
Antonie van Leeuwenhoek 42(1–2):1–8, 1976

The amino acid pool of Hansenula holstii: characterisation, and changes mediated by environment. Johnson B, et al. **Antonie van Leeuwenhoek** 41(4):411–9, 1975

Lipids of yeasts. Rattray JB, et al. **Bacteriol Rev** 39(3):197–231, Sep 75 (348 ref.)

The conversion of 3-Hydroxy-2,4,5-trihydroxymethylpyridine into pyridoxine by Kloeckera apiculata. Scott TA, et al.
Biochem J 154(1):35–41, 15 Jan 76

Comparison of biodegradability of crude and fuel oils. Walker

JD, et al. **Can J Microbiol** 22(4):598–602, Apr 76
Yeast suppressors of UAA and UAG nonsense codons work efficiently in vitro via tRNA. Gesteland RF, et al. **Cell** 7(3):381–90, Mar 76
Fiber autoradiography of replicating yeast DNA. Petes TD, et al. **Exp Cell Res** 95(1):103–10, 1 Oct 75
Relationship between the presence of linolenic acid and the ability to form respiration-deficient mutants in yeast. Moulin G, et al. **Folia Microbiol (Praha)** 20(5):396–401, 1975
Study of a yeast mutant with modified mitochondrial translocation of adenine nucleotides. II. Synthesis of macromolecules and lipids in the op1 mutant during mutagenesis with ethidium bromide. Smigáň P, et al. **Folia Microbiol (Praha)** 20(4):326–31, 1975
Binding and uptake of cationic dyes to a nuclear ethidium bromide resistant mutant of the petite-negative yeast Kluyveromyces lactis. pp. 275–87. Brunner A.
In: Packer L, Gómez–Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.
The proton pump in the yeast cell membrane. pp. 21–30. Peña A.
In: Packer L, Gómez–Puyou A, ed. Mitochondria. New York, Academic Press, 1976. QH 603.M5 M684 1975.
Gas–oil as a substrate for single-cell protein production. pp. 424–37. Lainé BM, et al.
In: Tannenbaum SR, Wang DI, ed. Single–cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973.
SCP in submerged cultures. pp. 105–26. Nyiri LK, et al.
In: Tannenbaum SR, Wang DI, ed. Single–cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973. (32 ref.)
Insoluble substrate and oxygen transport in hydrocarbon fermentation. pp. 127–57. Prokop A, et al.
In: Tannenbaum SR, Wang DI, ed. Single–cell protein II. Cambridge, Mass., MIT Press, 1975. QU 55 S617 1973. (98 ref.)
Acetoin & diacetyl production by yeasts. Yadav NK, et al. **Indian J Exp Biol** 13(6):586–8, Nov 75
Proceedings: Role of amino acids in the control of the synthesis of RNA and free nucleotides in yeasts. Cohen S, et al. **Isr J Med Sci** 11(11):1201–2, Nov 75
Yeast plasma membrane vesicles suitable for transport studies. Wehrli E, et al. **J Bacteriol** 124(3):1594–7, Dec 75
The substrate constant for dissolved molecular oxygen of methanol-assimilating yeasts. Middlehoven WJ, et al. **J Gen Microbiol** 93(1):185–8, Mar 76
The use of mutants in metabolic studies. Lacroute F. **Methods Cell Biol** 11:235–45, 1975 (16 ref.)
Nucleic acid metabolism in yeast. I. Inhibition of RNA and DNA synthesis by high concentrations of exogenous deoxythymidine 5'-monophosphate in 5'-dTMP low requiring strains. Langjahr UG, et al. **Mol Gen Genet** 143(1):113–8, 30 Dec 75
The biochemistry of methylotrophic micro-organisms. Anthony C. **Sci Prog** 62(246):167–206, Summer 75 (58 ref.)
[Interaction of yeasts with tannins. II. Study of various yeasts hydrolysing tannic acid in tannin culture media] Jacob FH, et al. **Mycopathologia** 57(3):139–48, 31 Dec 75 (Eng. Abstr.) **(Fre)**
[Critical oxygen concentration for microorganisms and its changes depending on the nature of the oxidative metabolism] Lozinov AB, et al.
Izv Akad Nauk SSSR [Biol] (6):820–6, Nov–Dec 75 (Eng. Abstr.) **(Rus)**
[Yeasts utilizing methyl alcohol] Blagodatskaia VM, et al. **Mikrobiologiia** 44(2):362–4, Mar–Apr 75 (Eng. Abstr.) **(Rus)**
[Increased flavin synthesis in yeasts utilizing hydrocarbons] Dikanskaia EM, et al. **Mikrobiologiia** 44(5):784–90, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Biosynthesis of sterols by various yeasts] Eliazian AA, et al. **Mikrobiologiia** 44(4):632–6, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Biosynthesis of group B vitamins by yeasts—symbionts of xylophagous insects] Gusteleva LA. **Mikrobiologiia** 44(1):45–7, Jan–Feb 75 (Eng. Abstr.) **(Rus)**
[The relationship between the lipolytic activity of microorganisms and the composition of substrates and emulgators] Ruban EL, et al. **Mikrobiologiia** 45(2):275–9, Mar–Apr 76 (Eng. Abstr.) **(Rus)**
[Vitamin requirements of yeasts using low-molecular paraffins] Solomko EF, et al. **Mikrobiol Zh** 37(4):423–6, Jul–Sep 75 (Eng. Abstr.) **(Ukr)**

PHYSIOLOGY

Thermodynamic conpensation in microbial thermal death. Studies with yeasts. Van Uden N, et al. **Arch Microbiol** 108(3):293–8, Jul 76
Primitive mitotic mechanisms. Ris H. **Biosystems** 7(3–4):298–301, Nov 75
Synchronous zygote formation in yeasts. Biliński T, et al. **Methods Cell Biol** 11:89–96, 1975 (11 ref.)
[Polyploid hybrids of industrial yeast races and the prospects for using them in production] Kosiko KV, et al. **Mikrobiologiia** 44(4):682–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**
[Interrelationship of yeasts with phytohelminths] Korniushenko ON. **Mikrobiol Zh** 38(3):368–9, 1976 (Eng. Abstr.) **(Ukr)**
[Some physiological properties and the carotin-synthesizing ability of epiphytic microfloral yeasts of the high montane regions of the Caucasus] Kvasnikov EI, et al. **Mikrobiol Zh** 36(4):429–34, Jul–Aug 74 (Eng. Abstr.) **(Ukr)**

RADIATION EFFECTS

The influence of repair processes on radiobiological survival curves. pp. 197–208. Haynes RH.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.
The shape of dose-effect curves for diploid yeast cells irradiated with ionizing particles. pp. 190–6. Pohlit W.
In: Alper T, ed. Cell survival after low doses of radiation. London, Institute of Physics, 1975. W3 GR35 1974c.

ULTRASTRUCTURE

A comparative analysis of the ultrastructure of hydrocarbon-oxidizing micro-organisms. Scott CC, et al. **J Gen Microbiol** 94(2):342–50, Jun 76
The isolation of yeast nuclei and methods to study their properties. Duffus JH. **Methods Cell Biol** 12:77–97, 1975 (55 ref.)
Electron microscopy of yeasts. Kopp F. **Methods Cell Biol** 11:23–44, 1975
[Investigation of living and flattened microorganisms (author's transl)] Etzold H, et al. **Microsc Acta** 77(1):48–59, May 75 **(Ger)**
[Experience with using the antibiotic olivomycin for demonstrating yeast chromosomes] Bo[illegible]M, et al. **Mikrobiologiia** 45(2):370–2, Mar–Apr [illegible]bstr.) **(Rus)**
[Primary distribution of n-alkane through the structures of yeast cells] Davidova EG, et al. **Mikrobiologiia** 44(5):888–92, Sep–Oct 75 (Eng. Abstr.) **(Rus)**
[Yeast cell ploidy] Sokurova EN. **Usp Sovrem Biol** 79(3):429–43, May–Jun 75 (126 ref.) **(Rus)**

YELLOW FEVER

HISTORY

200 years of American medicine: American medicine in 1776. **J Kans Med Soc** 77(7):347–51, Jul 76
The St. Marys yellow fever epidemic of 1808: Georgia's first confrontation. Cates GL. **J Med Assoc Ga** 65(7):287–9, Jul 76
Highlights of tropical medicine in Southern Africa. Gear JH. **S Afr Med J** 49(49):2049–56, 15 Nov 75 (Eng. Abstr.)
Josiah C. Nott—a southern physician. **South Med J** 68(8):1034, Aug 75
Marylanders defeat Philadelphia: yellow fever updated. Woodward TE, et al. **Trans Am Clin Climatol Assoc** 87:69–101, 1976
[François Miyeli (1911–1927–1973) and the French strain of yellow fever virus] Ducloux M.
Bull Soc Med Afr Noire Lang Fr 20(2):174–9, 1975 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Hepatitis B antigen (Australia antigen) in serum of yellow fever patients] Bensabath G, et al.
Rev Inst Med Trop Sao Paulo 18(2):77–80, Mar–Apr 76 (Eng. Abstr.) **(Por)**

OCCURRENCE

An epidemiologic and serologic study of arboviruses in Lake Rudolf basin. Rodhain F, et al. **Trop Geogr Med** 27(3):307–12, Sep 75
[Serological and entomological study on yellow fever in Sierra Leone] Robin Y, et al. **Bull Soc Pathol Exot** 68(3):249–58, May–Jun 75 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Editorial: Yellow fever. **Med J Aust** 2(18):697–8, 1 Nov 75

TRANSMISSION

ABO blood groups related to selection of human hosts by Yellow Fever vector. Wood CS. **Hum Biol** 48(2):337–41, May 76

VETERINARY

Serum lactate dehydrogenase of normal, stressed, and yellow fever virus-infected rhesus monkeys. Scott SK, et al. **Lab Anim Sci** 26(3):436–42, Jun 76

YELLOW FEVER VIRUS

[Abnormality in the behaviour of mice after an experimental encephalitis by yellow fever virus 17 D. Experiment model(author's transl)] Henneberg G, et al.
Zentralbl Bakteriol [Orig A] 234(1):1–13, Jan 76 **(Ger)**

DRUG EFFECTS

[Sulphated glycosaminoglycans as virus inhibitors. 3rd communication: therapy of viral diseases by means of glycoasaminoglycanpolysulphates. Establishment of fundamentals in experiments with laboratory animals (author's transl)] Mușeteanu C, et al.
Zentralbl Bakteriol [Orig A] 231(4):375–88, May 75 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Isolations in a mosquito (Aedes pseudoscutellaris) cell line (Mos. 61) of yellow fever virus strains from original field material. Varma MG, et al. **Intervirology** 6(1):50–6, 1975–1976
[François Miyeli (1911–1927–1973) and the French strain of yellow fever virus] Ducloux M.
Bull Soc Med Afr Noire Lang Fr 20(2):174–9, 1975 (Eng. Abstr.) **(Fre)**
[A strain of amaril virus isolated from Aedes africanus in the Ivory Coast] Chippaux A, et al.
C R Acad Sci [D] (Paris) 281(1):79–80, 7 Jul 75 **(Fre)**

YERSINIA

Yersinia enterocolitica in borwn trout (Salmo trutta L.) from Norway. Kapperud G, et al.
Acta Pathol Microbiol Scand [B] 84(1):66–8, Feb 76
Animal model of human disease. Yersinia enteritis. Animal model: oral Yersinia enterocolitica infection of mice. Carter PB. **Am J Pathol** 81(3):703–6, Dec 75
Skin manifestations in human yersiniosis. Hannuksela M, et al. **Ann Clin Res** 7(6):368–73, Dec 75
Concurrent infection with Yersinia pseudotuberculosis and Platynosomum fastosum in a cat. O'Sullivan BM, et al. **Aust Vet J** 52(5):232–3, May 76
Erythema nodosum from Yersinia enterocolitica. Baldock NE, et al. **Br J Dermatol** 93(6):719–20, Dec 75
Skin lesions in human yersiniosis. A histopathological and immunohistological study. Niemi KM, et al.
Br J Dermatol 94(2):155–60, Feb 76
Yersinia enterocolitica ileocolitis findings observed on barium examination. Shrago G. **Br J Radiol** 49(578):181–3, Feb 76
Ingestion and survival of Y. pseudotuberculosis in HeLa cells. Bovallius A, et al. **Can J Microbiol** 21(12):1997–2007, Dec 75
Lung abscess and osteomyelitis of rib due to Yersinia enterocolitica. Sebes JI, et al. **Chest** 69(4):546–8, Apr 76
Yersinia arthritis and related diseases: clinical and immunogenetic implications. pp. 341–4. Aho K, et al.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (23 ref.)
Yersinia enterocolitica infections and arthritis. pp. 133–40. Larsen JH.
In: Dumonde DC, ed. Infection and immunology in the rheumatic diseases. Oxford, Blackwell Scientific, 1976. WE 346 I43 1974. (29 ref.)
Properties of pGC1, a lac plasmid orginating in Yersinia enterocolitica 842. Cornelis G, et al. **J Bacteriol** 127(3):1058–62, Sep 76
Temperature-dependent cultural and biochemical characteristics of rhamnose-positive Yersinia enterocolitica. Chester B, et al. **J Clin Microbiol** 3(2):119–27, Feb 76
Yersinia enterocolitica infections in children. Kohl S, et al. **J Pediatr** 89(1):77–9, Jul 76
Letter: Appendicitis and mimicking conditions. Jepsen OB, et al. **Lancet** 2(7945):1149, 6 Dec 75
Letter: Arthritis questioned. Athreya BH. **Pediatrics** 58(1):136, Jul 76
Selective culturing of Yersinia enterocolitica at a low temperature. Eiss J. **Scand J Infect Dis** 7(4):249–51, 1975
[A 'new cause of erythema nodosum worth knowing: yersinia-infections (author's transl)] Toeller W, et al.
Klin Paediatr 188(1):88–91, Jan 76 (Eng. Abstr.) **(Ger)**
[Enteral yersiniosis. Mesenteric lymphadenitis] Zillessen E, et al. **Med Klin** 70(41):1655–9, 10 Oct 75 (62 ref.) **(Ger)**
[Yersinia infection in intussusception ileus in childhood] Waldschmidt J, et al. **Med Welt** 27(21):1063–8, 21 May 76 **(Ger)**
[Yersinosis] Rubinstein E, et al. **Harefuah** 89(1):28–30, 1 Jul 75 **(Heb)**
[Bacteriology, ecology and infections of Yersinia enterocolitica and Yersinia pseudotuberculosis] Zenyoji H. **Jpn J Bacteriol** 30(4):571–81, Jul 75 (73 ref.) **(Jpn)**
[A case of acute terminal ileitis due to Yersinia enterocolitica infection (author's transl)] Kato Y, et al.
Jpn J Gastroenterol 73(1):56–61, Jan 76 **(Jpn)**
[Epidemics of Yersinia enterocolitica infections] Waldum HL, et al. **Tidsskr Nor Laegeforen** 95(28):1578–9, 1593, 1602, 10 Oct 75 (Eng. Abstr.) **(Nor)**
[Inflammatory tumors of the ileocecal region caused by Yersinia] Piegza S, et al. **Pol Tyg Lek** 31(23):983–5, 7 Jun 76 (Eng. Abstr.) **(Pol)**
[Erythema nodosum secondary to infection caused by Yersinia enterolitica bacilli (1st case reported in Poland)] Zaremba M, et al. **Przegl Dermatol** 63(1):75–9, Jan–Feb 76 (Eng. Abstr.) **(Pol)**
[Appendicular form of intestinal yersiniosis] Antonov VI, et al. **Vestn Khir** 115(12):32–4, Dec 75 (Eng. Abstr.) **(Rus)**
[Similarity of the x-ray picture of enteritis caused by Yersinia enterocolitica and regional enteritis] Antalik I.
Vestn Rentgenol Radiol (2):50–3, Mar–Apr 75 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electrophoretic studies of the Yersiniae. Hudson BW, et al. **Am J Trop Med Hyg** 24(6 Pt 1):968–73, Nov 75
Lipopolysaccharide from Yersinia pseudotuberculosis, type 1 B. A structural study of O-specific chains. Tomshich SV, et al. **Eur J Biochem** 65(1):193–9, 17 May 76

Chemical and immunochemical studies on lipopolysaccharide from Yersinia pseudotuberculosis type VI. Gorshkova RP, et al. **Immunochemistry** 13(7):581–3, Jul 76

[Cellular components of Yersinia entrocolitica. (1). Biological activities of endotoxin and the effect of anti-endotoxin serum] Kanamori M, et al. **Jpn J Bacteriol** 30(1):181, Jan 75 **(Jpn)**

CLASSIFICATION

[Yersinia enterocolitica (author's transl)] Maruyama T. **Jpn J Bacteriol** 30(1):47–8, Jan 75 **(Jpn)**

DRUG EFFECTS

In vitro and in vivo activity of 3-(1-methyl 1-5-nitro-2-imidazolylmethylideneamino)-2-oxazolidinon against Pasteurella. Frost BM, et al. **Chemotherapy** 22(5):324–30, 1976

[Successful streptomycin therapy of Yersinia pseudotuberculosis and Acinobacter Iwoffii infection] Boga M, et al. **Orv Hetil** 116(50):2952–4, 14 Dec 75 **(Hun)**

[Transmission of drug-resistance through conjugation in Yersinia enterocolitica and Yersinia pseudotuberculosis. (II). With special reference to streptomycin resistant strains isolated from men and domestic animals (author's transl)] Kanazawa Y, et al. **Jpn J Antibiot** 28(4):538–41, Aug 75 (Eng. Abstr.) **(Jpn)**

[Drug sensitivity of Yersinia enterocolitica and Yersinia pseudotuberculosis] Kanazawa Y, et al. **Jpn J Antibiot** 29(4):366–76, Apr 76 (Eng. Abstr.) **(Jpn)**

[R factor of Yersinia enterocolitica. Streptomycin (SM) and tetracycline (TC) resistance factor] Kimura S, et al. **Jpn J Bacteriol** 30(1):189, Jan 75 **(Jpn)**

[Sensitivity of Yersinia enterocolitica to antibiotics] Grigor'ian EG, et al. **Antibiotiki** 20(11):994–8, Nov 75 (Eng. Abstr.) **(Rus)**

[Intestinal yersiniasis in the Far East. The sensitivity and cross resistance to antibiotics of Yersinia enterocolitica strains isolated in the Maritime Territory] Vishniakov AK, et al. **Antibiotiki** 20(8):717–21, Aug 75 (Eng. Abstr.) **(Rus)**

[Antibiotic sensitivity of the pseudotuberculosis microbe] Kuznetsov VG, et al. **Voen Med Zh** (3):45–7, Mar 76 **(Rus)**

ENZYMOLOGY

Distribution of beta-lactamases A and B in some groups of Yersinia enterocolitica and their role in resistance. Cornelis G. **J Gen Microbiol** 91(2):391–402, Dec 75

Distribution of beta-lactamases A and B in some groups of yersinia enterocolitica and their role in resistance. Cornelis G. **J Gen Microbiol** 91(2):391–402, Dec 75

[Phospholipase activity of Yersinia enterocolitica strains (author's transl)] Rusinka M, et al. **Bratisl Lek Listy** 65(2):138–41, 1976 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Antigenic relationship between Morganella morganii and Yersinia enterocolitica. Velin D, et al. **Acta Microbiol Acad Sci Hung** 23(1):83–7, 1976

Human serum antibodies against heat-stable antigens from Yersinia enterocolitica. Maeland JA, et al. **Acta Pathol Microbiol Scand [B]** 83(5):451–6, Oct 75

Differentiation of cross-reacting antibodies against brucella abortus and yersinia enterocolitica by electroimmuno assay. Hurvell B. **Acta Vet Scand** 16(2):318–20, 1975

Biochemical basis of the serological cross-reactions between Brucella abortus and Yersinia enterocolitica serotype O:9. Marx A, et al. **Ann Microbiol (Paris)** 126(4):435–45, Dec 75

Stimulation of protective immunity to Salmonella Kauffmann-White group N serotypes by Brucella abortus and Yersinia enterocolitica antigens. Corbel MJ. **Br Vet J** 131(5):625–6, Sep–Oct 75

Indirect immunofluorescence staining of human thyroid by antibodies occurring in Yersinia enterocolitica infections. Lidman K, et al. **Clin Exp Immunol** 23(3):429–35, Mar 76

Examination of the envelope antigen K1 in Yersinia enterocolitica which was identified as fimbriae. Aleksić S, et al. **Zentralbl Bakteriol [Orig A]** 234(4):513–20, May 76

[Seriological cross reactions of 3 strains of Yersinia entrocolitica] Ino S, et al. **Jpn J Bacteriol** 30(1):115, Jan 75 **(Jpn)**

[Interaction of the causative agent of pseudotuberculosis with the peritoneal macrophages from an immune and a nonimmune organism] Besednova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):39–44, Oct 75 (Eng. Abstr.) **(Rus)**

[Several biological properties of the surface antigens of the agent of pseudotuberculosis] Besednova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):100–6, Nov 75 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation of Yersinia enterocolitica from a dog with chronic enteritis: a case report. Farstad L, et al. **Acta Vet Scand** 17(2):261–3, 1976

Isolation of Yersinia (Pasteurella) pseudotuberculosis from the Palm dove (Streptopelia senegalensis). Weisman J, et al. **Avian Dis** 20(1):202–4, Jan–Mar 76

Experience with Yersinia enterocolitica at The Hospital for Sick Children, 1972–74. Randall C, et al. **Can Med Assoc J** 113(6):542–5, 20 Sep 75

Proceedings: Yersinia enteritis and enterocolitis. Vantrappen G, et al. **Gut** 17(5):392, May 76

Clinical isolation of Yersinia enterocolitica: cold temperature enrichment. Greenwood JR, et al. **J Clin Microbiol** 2(6):559–60, Dec 75

Isolation of Yersinia enterocolitica from swine. Toma S, et al. **J Clin Microbiol** 2(6):478–81, Dec 75

Yersinia enterocolitica as a causative agent of septicaemia. Janošek J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 19(2):254–8, 1975

Isolation of Yersinia enterocolitica from cow's intestinal contents and beef meat. Inoue M, et al. **Jpn J Vet Sci** 37(1):91–3, Feb 75

Isolation of Yersinia enterocolitica from some animals and meats. Tsubokura M, et al. **Jpn J Vet Sci** 37(2):213–5, Apr 75

Studies on Yersinia enterocolitica. II. Relationship between detection from swine and seasonal incidence, and regional distribution of the organism. Tsubokura M, et al. **Jpn J Vet Sci** 38(1):1–6, Feb 76

Arthritis associated with Yersinia enterocolitica infections. Winblad S. **Scand J Infect Dis** 7(3):191–5, 1975

[Diseases caused by Yersinia enterocolitica in childhood] Tichý V, et al. **Cas Lek Cesk** 115(6):169–73, 13 Feb 76 (Eng. Abstr.) **(Cze)**

[Yersinia enterocolitica in acute appendicitis, lymphadenitis mesenterialis and regional enteritis (author's transl)] Schmauss AK, et al. **Zentralbl Chir** 101(8):458–64, 1976 (Eng. Abstr.) **(Ger)**

[Terminal ileitis caused by Yersinia enterocolitica] Piegza S, et al. **Pol Tyg Lek** 30(34):1403–4, 25 AUG 75 (Eng. Abstr.) **(Pol)**

[Participation of Yersinia in infections in patients treated for acute abdominal diseases] [illegible] M, et al. **Pol Tyg Lek** 30(49):2057–9, 8 [illegible] (Eng. Abstr.) **(Pol)**

[Study of the epidemiology of Far Eastern scarlatina-like fever in the Maritime Territory. I. Contamination of vegetables, root crops and pickled foods with the pseudotuberculosis microbe (Yersinia pseudotuberculosis) in foci of the scarlatina-like fever] Kuznetsov VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):34–8, Oct 75 (Eng. Abstr.) **(Rus)**

[Study of the epidemiology of Far East scarlatiniform fever in the Maritime Territory. II. Contamination of environmental objects by the pseudotuberculosis microbe in foci of scarlatiniform fever] Kuznetsov VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** (6):115–9, Jun 76 (Eng. Abstr.) **(Rus)**

METABOLISM

Polypectate digestion by Yersinia. von Riesen VL. **J Clin Microbiol** 2(6):552–3, Dec 75

PATHOGENICITY

[Experimental pathogenicity of 'Yersinia enterocolitica' for athymic nude mice (author's transl)] Alonso JM, et al. **Ann Microbiol (Paris)** 126(2):187–99, Sep 75 (Eng. Abstr.) **(Fre)**

[Pathogenicity of Yersinia enterocolitica: A comparison with Y. pseudotuberculosis] Sai T, et al. **Jpn J Bacteriol** 30(1):116, Jan 75 **(Jpn)**

PHYSIOLOGY

Detection of conjugative R plasmids in genus Yersinia. Kimura S, et al. **Jpn J Microbiol** 19(6):449–51, Dec 75

YERSINIA PESTIS

Kitasato, Yersin, and the plague bacillus. Howard-Jones N. **Clio Med** 10(1):23–7, Apr 75

[Isolation and properties of several auxotrophic mutants of a highly virulent strain of the plague microbe] Martinevskiĭ IL. **Genetika** 11(2):140–4, 1975 (Eng. Abstr.) **(Rus)**

[Fleas of the yellow gopher (Cittellus fulvus Licht.) and their infection with the causative agent of plague in the territory of Kazakhstan and Central Asia] Tristan DF, et al. **Parazitologiia** 9(5):398–403, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Lysogenic clones of wild-type plague bacteria and characteristics of the phages produced by them] Larina VS. **Zh Mikrobiol Epidemiol Immunobiol** (1):119–22, Jan 76 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

The phylogenetic status of Pasteurella pestis. Zablen L, et al. **J Mol Evol** 4(4):347–58, 24 Mar 75

DRUG EFFECTS

[Study of the mechanisms of levomycetin inactivation by the palgue causative agent and Escherichia coli with episomal and chromosomal resistance. The enzymatic acetylation of levomycetin] Korobeĭnik NV, et al. **Antibiotiki** (9):817–23, Sep 75 (Eng. Abstr.) **(Rus)**

[Isolation and properties of several auxotrophic mutants of a highly virulent strain of the plague microbe] Martinevskiĭ IL. **Genetika** 11(2):140–4, 1975 (Eng. Abstr.) **(Rus)**

[Resistance to levomycetin and activity of several enzymes in Escherichia coli and the agent of plague] Korobeĭnik NV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (3):45–50, 1976 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Role of 2 thymus extracts in protection mechanisms against microbial infection] Deschaux P, et al. **C R Acad Sci [D] (Paris)** 281(19):1443–5, 10 Nov 75 (Eng. Abstr.) **(Fre)**

[Use of erythrocyte diagnostic agents for the determination of integrative association constants] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (2):117–23, Feb 76 (Eng. Abstr.) **(Rus)**

[Normal antibodies and immunologic reactivity] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** (1):81–7, Jan 76 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Studies of Yersinia pestis in wild animals captured in Ankara, Konya and Nevsehir] Ozsan K, et al. **Mikrobiyol Bul** 10(1):35–56, Jan 76 (Eng. Abstr.) **(Tur)**

METABOLISM

Siderochrome production by Yersinia pestis and its relation to virulence. Wake A, et al. **Infect Immun** 12(5):1211–3, Nov 75

Methionine transport in Yersinia pestis. Montie DB, et al. **J Bacteriol** 124(1):296–306, Oct 75

PATHOGENICITY

[Results of verifying the hypothesis of the constant passage of the plague causative agent on a mathematical model] Rudenchik IuV, et al. **Med Parazitol (Mosk)** 45(3):284–9, May–Jun 76 (26 ref.) (Eng. Abstr.) **(Rus)**

[Effect of the prolonged contact of a flea population with plague bacteria on the infective activity of vetors] Bibikova VA, et al. **Parazitologiia** 9(6):515–7, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Effect of certain factors on block formation in Ceratophillus tesquorum and Neopsylla setosa setosa] Gubareva NP, et al. **Parazitologiia** 10(4):315–9, Jul–Aug 76 (Eng. Abstr.) **(Rus)**

[Sensitivity of inbred mice to the causative agent of plague] Smirnova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):127–8, Oct 75 **(Rus)**

YOGA

An introduction to Yoga. Wilson RL. **Am J Nurs** 76(2):261–3, Feb 76

Effects of yogic exercises on human physical efficiency. Nayar HS, et al. **Indian J Med Res** 63(10):1369–76, Oct 75

Effect of Padmasana--a yogic exercise on muscular efficiency. Salgar DC, et al. **Indian J Med Res** 63(6):768–72, Jun 75

A comparative study on the effect of some individual yogic practices in normal persons. Udupa KN, et al. **Indian J Med Res** 63(8):1066–71, Aug 75

Studies on the effect of some yogic breathing exercises (Pranayams) in normal persons. Udupa KN, et al. **Indian J Med Res** 63(8):1062–5, Aug 75

Physiological and biochemical studies on the effect of yogic and certain other exercises. Udupa KN, et al. **Indian J Med Res** 63(4):620–4, Apr 75

The effect of yogasanas on muscular tone and cardio-respiratory adjustments. Gopal KS, et al. **Indian J Med Sci** 28(10):438–43, Oct 74

Gestalt awareness: a way of being as a Yoga for the west. Balogh P. **Int J Soc Psychiatry** 22(1):64–6, Spring 76

Yoga and biofeedback in the management of hypertension. Patel C. **J Psychosom Res** 19(5–6):355–60, 1975

Transcendental meditation in hypertension. Individual response patterns. Blackwell B, et al. **Lancet** 1(7953):223–6, 31 Jan 76

Letter: TM and hypertension. Patel C. **Lancet** 1(7958):539, 6 Mar 76

Arrow-dot scores of drug addicts selecting general or yoga therapy. Goldberg LS, et al. **Percept Mot Skills** 40(3):726, Jun 75

[Meditation--relaxation] Laitinen J. **Duodecim** 91(19):1136–41, 1975 **(Fin)**

[10 years of experience in Hatha Yoga. Conditions and general rules for the execution of the Asanas] Neuhäusser P, et al. **Zahnaerztl Mitt** 65(10):499–504 contd, 16 May 75 **(Ger)**

[Proceedings: A question on the energy metabolism during the Zen practice] Suzuki T. **J Physiol Soc Jpn** 36(8–9):389–90, 1 Sep 74 **(Jpn)**

[Recent medical research on yoga and states of concentration] Lerner M. **Acta Psiquiatr Psicol Am Lat** 21(1):56–63, Mar 75 (Eng. Abstr.) **(Spa)**

YOHIMBINE

Contribution of side-chain chromophores to the optical activity of proteins: Model compound studies. IV. The indole chromophore of yohimbinic acid. Goux WJ, et al. **Biopolymers** 15(5):977–97, May 76

ANALYSIS

Fluorimetric analysis of alkaloids. Determination of serpentine, yohimbine, and boldine. Gürkan T. **Mikrochim Acta** (2–3 PT 1):173–80, 1976

CHEMICAL SYNTHESIS

Studies on the syntheses of heterocyclic compounds. DCXLI. A convenient synthesis of hexadehydroyohimbine and a total synthesis of yohimbine. Kametani T, et al. **Chem Pharm Bull (Tokyo)** 23(11):2634–42, Nov 75

METABOLISM

[On the absorption and excretion of raubasin in rats with particular reference to a method for the direct determination of the alkaloid] Löhr JP, et al. **Arzneim Forsch** 25(6):870–3, Jun 75 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The role of the central nervous system in the cardiovascular responses to yohimbine. Lang WJ, et al. **Arch Int Pharmacodyn Ther** 217(1):57–67, Sep 75

The effect of yohimbine on the turnover of brain catecholamines and serotonin. Papeschi R, et al. **Eur J Pharmacol** 33(1):1–12, Aug 75

[Iskedyl and general anesthesia. Measurement of the systolic ejection volume and peripheral resistance using the arterial pressure curves] Laborit G, et al. **Ann Anesthesiol Fr** 16(2):69–76, Mar–Apr 75 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Clinical test of Iskedyl in cochlear and vestibular chronic diseases] Muler H, et al. **Ann Otolaryngol Chir Cervicofac** 93(4–5):325–7, Apr–May 76 **(Fre)**

[Pharmacology of brain circulation and clinical extrapolations. An experimental study of the circulatory and metabolic effects of Hydrosarpan 711] Cahn J, et al. **Sem Hop Ther** 50(10):671–82, Dec 74 **(Fre)**

[Management of poorly healing leg ulcers] Winkler A. **Med Welt** 26(52):2338–40, 26 Dec 75 **(Ger)**

[Use of peripheral vasodilator drug in peripheral and cerebrovascular syndromes of old age] Andiolò L, et al. **Clin Ter** 74(5):471–84, 15 Sep 75 **(Ita)**

[Clinical considerations on the use of a drug with vasodilating hemokinetic action in cerebral and peripheral vascular diseases] Florio F, et al. **Minerva Cardioangiol** 24(2):161–70, Feb 76 (Eng. Abstr.) **(Ita)**

YOHIMBINE DERIVATIVES see under **YOHIMBINE**

YOLK SAC see **VITELLINE MEMBRANE**

YOMESAN

[Salicylanilide derivatives. (author's transl)] **Tijdschr Diergeneeskd** 100(18):995–8, 15 Sep 75 (Eng. Abstr.) **(Dut)**

ANALOGS & DERIVATIVES

[Treatment of hymenolepiasis with 5- and 7-day courses of divided doses of dichlosal and trichlosal] Grinenko NV, et al. **Med Parazitol (Mosk)** 45(1):101–3, Jan–Feb 76 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Optimal conditions for determining prenasal by a differential photocolorimetric method] Kokovkin-Shcherbak NI, et al. **Farmatsiia** 24(4):44–8, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A comparative study on the effect of repeated application of Bayer 73 and Mollutox on Biomphalaria alexandrina. El-Gindy HI. **J Egypt Med Assoc** 58(5–6):313–23, 1975

The effect of sublethal concentrations of the molluscicide niclosamide on the infectivity of Schistosoma mansoni cercariae. Ghandour AM, et al. **J Helminthol** 49(4):245–50, Dec 75

THERAPEUTIC USE

[Results of trichlosal treatment of patients with taeniarhynchosis in outpatient wards] Markin AV, et al. **Med Parazitol (Mosk)** 44(6):730–1, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

[Fenasal—an effective anthelmintic against bothriocephaliasis of this year's brood] Iashchur VD. **Veterinariia** (5):84–5, May 75 **(Rus)**

[Fenesal in bothriocephaliasis of white amurs] Mamedov AK, et al. **Veterinariia** (8):66, Aug 75 **(Rus)**

TOXICITY

[Toxicity of the sodium salt of fenasal for some pulmonate molluscs in comparison with fenasal] Krotov AI, et al. **Med Parazitol (Mosk)** 44(3):310–2, May–Jun 75 (Eng. Abstr.) **(Rus)**

YOUTH see **ADOLESCENCE**

YTTERBIUM

Simple construction of a 16970Yb–16969Tm absorber for peak kilovoltage calibration of a diagnostic x-ray machine. Aoki CT. **Radiology** 121(1):221–2, Oct 76

Absorption, distribution and elimination of 169Yb-EDTA in animal experiments. GFR estimation in rats. Molnár G, et al. **Strahlentherapie [Sonderb]** 74:142–51, 1975

DIAGNOSTIC USE

Detection of synovial cysts by transmission-emission scintigrams following intra-articular 169Yb-DTPA. Adiseshan N, et al. **Aust NZ J Med** 5(3):256–60, Jun 75

[Diagnostic value of ytterbium 169 citrate in cancerology] Chatal JF, et al. **J Radiol Electrol Med Nucl** 56(5):401–9, May 75 (Eng. Abstr.) **(Fre)**

[169 Yb citrate for tumour scintigraphy – first experiences (author's transl)] Kühne A, et al. **Radiobiol Radiother (Berl)** 17(1):111–5, 1976 (Eng. Abstr.) **(Ger)**

[Determination of glomerular filtration in children by Yb–169–EDTA clearance] Drexler M. **Orv Hetil** 117(16):974–5, 18 Apr 76 **(Hun)**

[Determination of the glomerular filtration rate by use of DTPA–Yb169] Kobelev VA, et al. **Klin Med (Mosk)** 52(3):42–3, Mar 74 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of ethylenediaminetetraacetic acid (EDTA) and diethylenetriaminepentaacetic acid (DTPA) derivatives on penetration of ytterbium-169 and cerium-144 into the rat offspring. Baltrukiewicz Z, et al. **Acta Physiol Pol** 27(2):175–81, Mar–Apr 76

Long term retention of 169Ytterbium DTPA in brain tissue. Christiansen K, et al. **Australas Radiol** 19(3):251–4, Sep 75

YTTRIUM

ANALYSIS

[Determination of the total amount of rare earth elements of the yttrium subgroup and thorium in biological material] Mal'tseva MM, et al. **Gig Sanit** (5):87–90, May 76 **(Rus)**

METABOLISM

The influence of age and sex on the activity ratio of yttrium-90 to strontium-90 in the rat skeleton after incorporation of strontium-90. Stevenson AF. **Health Phys** 29(2):285–90, Aug 75

THERAPEUTIC USE

Therapeutic irradiation of the central nervous system using intrathecal 90Y—DTA. Smith S, et al. **Br J Radiol** 49(578):141–7, Feb 76

YTTRIUM RADIOISOTOPES

Effect of intra-articular inj-ction of radioactive colloids of erbium and yttrium on the growth of rabbit legs. Rebut-Bonneton C, et al. **Ann Rheum Dis** 34(6):529–33, Dec 75

The assessment of the body distribution of yttrium-90 ferric hydroxide during radiation synovectomy. Dunscombe PB, et al. **Br J Radiol** 49(580):372–3, Apr 76

Letter: Particle size of radioisotope colloids. Warbick A. **Can Med Assoc J** 114(7):596–601, 3Apr 76

Dose rates, dose and time effects of 90Sr + 90Y and 226Ra on beagle skeleton. Momeni MH, et al. **Health Phys** 30(5):381–90, May 76

51Cr-EDTA, 91Y and 141Ce as nonabsorbed reference substances in the gastrointestinal tract of the chicken. Sklan D, et al. **J Nutr** 105(12):1549–52, Dec 75

Metiamide-treatment of brain oedema in animals exposed to 90yttrium irradiation. Joó F, et al. **J Pharm Pharmacol** 28(2):162–3, Feb 76

Effect of inhaled yttrium-90 in fused clay particles on the pulmonary clearance of inhaled Staphylococcus aureus in mice. Lundgren DL, et al. **Radiat Res** 66(2):231–46, May 76

[The effect of beta-ray radiation of isotope 90Y on vascular walls and peripheral nerves (experimental study) (author's transl)] Vichert TM, et al. **Radiobiol Radiother (Berl)** 16(1):57–64, 1975 **(Ger)**

ADMINISTRATION & DOSAGE

The influence of injection route and pH value on the activity ratio of yttrium-90 to strontium-90 in the rat skeleton after 90Sr incorporation. Stevenson AF. **Health Phys** 29(5):788–9, Nov 75

Regional internal radiation for hepatic cancer. Nolan TR, et al. **Panminerva Med** 17(11–12):409–11, Nov–Dec 75

[Campimetric changes in 35 subjects with chromophobe pituitary adenoma treated by intrasellar implantation of Y 90] Dossi F, et al. **Arch Sci Med (Torino)** 132(4):214–7, Oct–Dec 75 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Pulmonary collagen metabolism after lung injury from inhaled 90Y in fused clay particles. Pickrell JA, et al. **Exp Mol Pathol** 25(1):70–81, Aug 76

ANALYSIS

[A new method for determination of Sr-89, Sr-90 and Y-90 in aqueous solution with the aid of liquid scintillation counting (author's transl)] Buchtela K, et al. **Int J Appl Radiat Isot** 26(6–7):333–8, Jun–Jul 75 (Eng. Abstr.) **(Ger)**

BLOOD

Studies of electrophoretic binding of radioactive rare earths. Rosoff B, et al. **Health Phys** 28(5):611–2, May 75

METABOLISM

Retention and extra-articular spread of intra-articularly injected 90Y silicate. Rekonen A, et al. **Scand J Rheumatol** 5(1):47–8, 1976

PHARMACODYNAMICS

Effect of intra-articular 90Y resin treatment on the chemical properties of synovial fluid in rheumatoid arthritis. Jalava S, et al. **Ann Clin Res** 7(3):211–5, Jun 75

THERAPEUTIC USE

Experimental studies on osmic acid and yttrium 90 in synovitis. Oka M. **Adv Clin Pharmacol** 6:126–9, 1974

Yttrium-90 citrate colloid for radioisotope synovectomy. Bowen BM, et al. **Am J Hosp Pharm** 32(10):1027–30, Oct 75

Radiation synovectomy of the rheumatoid knee with yttrium 90. Oka M. **Ann Clin Res** 7(3):205–10, Jun 75

Effect of yttrium 90 on experimental allergic arthritis in rabbits. Meier-Ruge W, et al. **Ann Rheum Dis** 35(1):60–6, Feb 76

Treatment of Nelson's syndrome by pituitary implantation of yttrium-90 or gold-198. Cassar J, et al. **Br Med J** 2(6030):269–72, 31 Jul 76

Letter: Radioisotope synovectomy. Bowen BM, et al. **Can Med Assoc J** 113(9):815, 8 Nov 75

Results of pituitary ablation by 90Y and 32P interstitial implants in breast carcinoma. pp. 233–40. Badellino F. **In: Charyulu KK, Sudarsanam A, ed. Hormones and cancer. New York, Stratton, 1976. W3 C162GS 1975h.**

Thermographic evaluation of intra-articular treatment with radioactive yttrium (90Y) in 62 rheumatoid knee joints. Jalava S, et al. **Scand J Rheumatol** 4(3):134–8, 1975

Treatment of chronic articular effusions with 90-yttrium (90Y). Müller W, et al. **Scand J Rheumatol** 4(4):216–20, 1975

Nonsurgical synovectomy. Oka M, et al. **Scand J Rheumatol [Suppl]** (12 suppl):132–3, 1975

[Double blind statistical study of therapeutic effect of a radioactivy yttrium (90Y) charged colloid on rheumatoid arthritis of the knee] Delbarre F, et al. **C R Acad Sci [D] (Paris)** 279(12):1051–4, 16 Sep 74 **(Fre)**

[Morphology of yttrium-90 treated experimental arthritis] Witting C, et al. **Z Rheumatol** 34(11–12):367–72, Nov–Dec 75 (Eng. Abstr.) **(Ger)**

[Effect of combined resorptive preparations containing prospidin and Yttrium-90 on certain strains of tumors] Dedenkov AN. **Med Radiol (Mosk)** 21(1):36–40, Jan 76 (Eng. Abstr.) **(Rus)**

ZARONTIN see **ETHOSUXIMIDE**

ZEARALENONE see under **RESORCINOLS**

ZEATIN see under **PURINES**

ZECTRAN see under **INSECTICIDES, CARBAMATE**

ZEIN

Molecular weight of an extremely hydrophobic protein, zein, in dimethylformamide and in formamide. Danzer LA, et al. **Can J Biochem** 54(2):196–9, Feb 76

ANALYSIS

[Bitter peptides isolated from corn protein zein by hydrolysis with pepsin (author's transl)] Wieser H, et al. **Z Lebensm Unters Forsch** 159(6):329–36, 30 Dec 75 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Reduced synthesis of zein in vitro by a high lysine mutant of maize. Jones RA, et al. **Biochem Biophys Res Commun** 69(2):404–10, 22 Mar 76

In vitro synthesis of zein-like protein by maize polyribosomes. Larkins BA, et al. **Biochem Biophys Res Commun** 66(3):1048–54, 6 Oct 75

Zein synthesis in maize endosperm by polyribosomes attached to protein bodies. Burr B, et al. **Proc Natl Acad Sci USA** 73(2):515–9, Feb 76

METABOLISM

Food intake regulation in the weanling rat: effects of the most limiting essential amino acids of gluten, casein, and zein on the self-selection of protein and energy. Ashley DV, et al. **J Nutr** 105(11):1405–11, Nov 75

ZEPHIRAN CHLORIDE see **BENZALKONIUM CHLORIDE**

ZERANOL see under **RESORCINOLS**

ZINC

Zinc turnover in mice during pregnancy, lactation, and growth. Evans GW, et al. **Am J Clin Nutr** 29(8):814–6, Aug 76

The role of Zn(II) on the folding of bovine carbonic anhydrase B. Wong KP, et al. **Arch Biochem Biophys** 170(1):12–22, Sep 75

The zinc content of yeast alcohol dehydrogenase. Klinman JP, et al. **Biochem Biophys Res Commun** 70(3):878–84, 7 Jun 76

Metal substitutions incarbonic anhydrase: a halide ion probe study. Smith RJ, et al. **Biochem Biophys Res Commun** 66(4):1281–6, 27 Oct 75

Isolation of (copper, zinc–) thioneins from pig liver. Bremner I, et al. **Biochem J** 155(3):631–5, 1 Jun 76

The kinetics of flavine oxidation–reduction. II. Metal ion interactions. Favaudon V, et al. **Biochemistry** 14(21):4739–44, 21 Oct 75

Fluorine–19 nuclear magnetic resonance study of fluorotyrosine alkaline phosphatase: the influence of zinc on protein structure and a conformational change induced by phosphate binding. Hull WE, et al. **Biochemistry** 15(7):1535–46, 6 Apr 76

The effect of Mn2+ and Co2+ on the activities of a zinc metallodipeptidase from a mouse ascites tumor. Patterson EK, et al. **Biochemistry** 14(19):4261–6, 23 Sep 75

Interaction of transition metal ions with ribonuclease A. II. The selective effects of Mn2+, Zn2+, Cd2+ and Hg2+ on the histidine magnetic resonance. Fan S, et al. **Biochim Biophys Acta** 397(2):405–11, 26 Aug 75

Aggregation of acridine orange: crystal structure of acridine orange tetrachlorozincate 2C17H19N3–2HCl–ZnCl2–CH3COOH. Obendorf SK, et al. **Bioinorg Chem** 6(1):29–44, 1976

Stereoselective binding of copper(II), zinc(II), cobalt(II), and ni(II) to the optically active amino acids beta–(2–pyridyl)–alpha–alanine and beta–(6–methyl–2–pyridyl)–alpha–alanine, analogs of histidine and phenylalanine. Rechani PR, et al. **Bioinorg Chem** 5(4):329–41, 1976

Comparison of the metal–ion–promoted dephosphorylation of the 5'–triphosphates of adenosine, inosine, guanosine and cytidine by Mn2+, Ni2+ and Zn2+ in binary and ternary complexes. Amsler PE, et al. **Eur J Biochem** 63(2):569–81, 1 Apr 76

Selective utilization of endogenous phospholipids by zinc–depleted human spermatozoa. pp. 325–8. Delgado NM, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Zn2+ requiring NADP–dependent glutamate dehydrogenase from Bacillus cereus T. Verma NS, et al. **Indian J Biochem Biophys** 13(1):99–100, Mar 76

The role of metal ions in the radiosensitivity of metalloproteins. Model experiments with bovine carbonic anhydrase. Redpath JL, et al. **Int J Radiat Biol** 28(3):243–53, Sep 75

Letter: Carbon–13 nuclear magnetic resonance spectra of zinc(II) coproporphyrins. A modus operandi for reproducible measurement of porphyrin spectra. Abraham RJ, et al. **J Am Chem Soc** 98(6):1604–6, 17 Mar 76

Model dehydrogenase reactions. Zinc ion catalyzed reduction of chelating aldehydes by N–propyl–1,4–dihydronicotinamides and borohydride. Creighton DJ, et al. **J Am Chem Soc** 98(15):4619–25, 21 Jul 76

Specific inactivation of solid carbonic anhydrase upon X–ray resonance absorption in the constituent zinc atom. Diehn B, et al. **J Am Chem Soc** 98(5):1077–9, 3 Mar 76

Exchange–inert metal ions as probes of enzyme structure–function relationships. Cobalt(III), cobalt(II), and zinc(II), azophenol complexes as models for enzyme azotyrosine complexes. White WI, et al. **J Am Chem Soc** 97(14):3937–41, 9 Jul 75

Zinc–chloride ion exchange rates in carboxypeptidase A. Stephens RS, et al. **J Biol Chem** 251(2):403–6, 25 Jan 76

Leucine aminopeptidase (bovine lens). The relative binding of cobalt and zinc to leucine aminopeptidase and the effect of cobalt substitution on specific activity. Thompson GA, et al. **J Biol Chem** 251(6):1618–24, 25 Mar 76

Zinc polycarboxylate cements: a chemical study of erosion and its relationship to molecular structure. Crisp S, et al. **J Dent Res** 55(2):299–308, Mar–Apr 76

The zinc glycinate marker in human colon carcinoma. Pusztaszeri G, et al. **J Natl Cancer Inst** 56(2):275–8, Feb 76

On the basic properties of hard model materials with tetrahydrate zinc orthophosphate used as basic material. Anzai M, et al. **J Nihon Univ Sch Dent** 16(4):105–12, Dec 74

Protection against zinc deficiency by prior excess dietary zinc in young Japanese quail. Harland BF, et al. **J Nutr** 105(12):1509–18, Dec 75

Diagnosis of zinc, copper, and manganese abnormalities in man. Burch RE, et al. **Med Clin North Am** 60(4):655–60, Jul 76 (15 ref.)

Clinical and nutritional aspects of zinc deficiency and excess. Burch RE, et al. **Med Clin North Am** 60(4):675–85, Jul 76 (75 ref.)

Effect of zinc on cells and biomembranes. Chvapil M. **Med Clin North Am** 60(4):799–812, Jul 76 (42 ref.)

Intramolecular arsanilazotyrosine–248–Zn complex of carboxypeptidase A: a monitor of catalytic events. Harrison LW, et al. **Proc Natl Acad Sci USA** 72(10):3930–3, Oct 75

Zinc in clinical nutrition. Fell GS. **Scott Med J** 20(3):101–2, May 75

[Migration of zinc stabilizer from plasticized PVC drains in extracorporeal circulation] Brzezicka–Bąk M, et al. **Polim Med** 5(1):73–81, 1975 (Eng. Abstr.) **(Pol)**

[Protection of polished teeth by physical methods] Chiru–Mocanu M, et al. **Rev Chir [Stomatol]** 21(4):331–5, Jul–Sep 74 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

Oral zinc sulphate in rheumatoid arthritis. Simkin PA. **Lancet** 2(7985):539–42, 11 Sep 76

Local chemotherapy of skin cancer. Lowenfels AB. **Panminerva Med** 17(7–8):251–2, Jul–Aug 75

ADVERSE EFFECTS

The effect of sublethal concentrations of zinc on growth and plasma glucose levels in rainbow trout, Salmo gairdneri (Richardson). Watson TA, et al. **J Wildl Dis** 12(2):263–70, Apr 76

[Changes in the blood picture, liver function and protein status in exposure to zinc fumes] Beritić–Stahuljak D, et al. **Acta Med Iugosl** 30(3):239–49, 1976 (Eng. Abstr.) **(Cro)**

ANALYSIS

Electron microscopic study on zinc in B cells of pancreatic islets of rat under conditions stimulating the excretion of insulin. Yoshinaga T, et al. **Acta Histochem (Jena)** 53(2):161–74, 1975

Superoxide dismutases: studies of structure and mechanism. Fridovich I. **Adv Exp Med Biol** 74:530–9, 1976 (57 ref.)

Bacterial growth inhibition by amniotic fluid. V. Phosphate–to–zinc ratio as a predictor of bacterial growth–inhibitory activity. Schlievert P, et al. **Am J Obstet Gynecol** 125(7):899–905, 1 AUG 76

The analysis of surface waters for iron, zinc and lead by coprecipitation on iron hydroxide and X–ray fluorescence. Bruninx E, et al. **Anal Chim Acta** 80:85–95, Nov 75

Heterogeneity in the rapidly exchanging metals of horse liver alcohol dehydrogenase. Harvey RA, et al. **Biochem Biophys Res Commun** 66(3):935–41, 6 Oct 75

Protein synthesis elongation factor 1 from rat liver: a zinc metalloenzyme. Kotsiopoulos PS, et al. **Biochem Biophys Res Commun** 67(3):979–87, 1 Dec 75

The intrinsic zinc atoms of yeast alcohol dehydrogenase. Veillon C, et al. **Biochem Biophys Res Commun** 67(4):1494–500, 15 Dec 75

State and accessibility of zinic in yeast alcohol dehydrogenase. Leskovac V, et al. **Biochem J** 155(1):155–61, 1 Apr 76

Studies on the reconstitution of bovine erythrocyte superoxide dismutase. V. Preparation and properties of derivatives in which both zinc and copper sites contain copper. Fee JA, et al. **Biochim Biophys Acta** 400(2):439–50, 19 Aug 75

Heavy metal content in subdivisions of the rat hippocampus (zinc, lead and copper). Danscher G, et al. **Brain Res** 112(2):442–6, 13 Aug 76

Determination of zinc in fingernails by non–flame atomic absorption spectroscopy. Sohler A, et al. **Clin Chim Acta** 70(3):391–8, 2 Aug 76

Zinc and copper in human semen. Stanković H, et al. **Clin Chim Acta** 70(1):123–6, 1 Jul 76

Distribution of lead, zinc and calcium in Dendrobaena rubida (Oligochaeta) living in soil contaminated by base metal mining in Wales. Ireland MP. **Comp Biochem Physiol [B]** 52(4):551–5, 15 Dec 75

Cadmium, lead and zinc accumulation in soils near a smelter complex. John MK, et al. **Environ Lett** 10(1):25–35, 1975

Metallocytochromes c: characterization of electronic absorption and emission spectra of Sn4+ and Zn2+ cytochromes c. Vanderkooi JM, et al. **Eur J Biochem** 64(2):381–7, 1 May 76

The ratio of zinc to copper to cholesterol–lowering diets. pp. 131–8. Klevay LM, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Quantitative determination of zinc, iron, calcium, and phosphorus in the total diet market basket by atomic absorption and colorimetric spectrophotometry. McGary ED, et al. **J Agric Food Chem** 24(3):539–42, May–Jun 76

Determination of lead, calcium, and zinc in sugar. Morris NM, et al. **J Agric Food Chem** 24(1):45–7, Jan–Feb 76

Zinc content of selected foods. Freeland JH, et al. **J Am Diet Assoc** 68(06):526–9, Jun 76

Zinc content and the zinc–to–calorie ratio of weighed diets. White HS. **J Am Diet Assoc** 68(3):243–5, Mar 76

Sequestering and exchange of metal ions in edible oils containing phospholipids. Lunde G, et al. **J Am Oil Chem Soc** 53(5):207–10, May 76

The determination of zinc in hair using atomic absorption spectroscopy. Pomeroy RK, et al. **J Chem Educ** 52(8):544–5, Aug 75

X–ray microanalysis of zinc and calcium in ultrathin sections of human sperm cells using the pyroantimonate technique. Chandler JA, et al. **J Histochem Cytochem** 24(6):740–8, Jun 76

Chromium, manganese, copper, zinc and cadmium content, of New Zealand foods. Guthrie BE. **NZ Med J** 82(554):418–24, 24 Dec 75

The hair melanosome: another tissue reservoir of zinc. Borovanský J, et al. **Physiol Bohemoslov** 25(1):87–91, 1976

The effect of the presence of the metal prosthetic groups on the subunit structure of bovine superoxide dismutase in sodium dodecyl sulfate. Marmocchi F, et al. **Physiol Chem Phys** 7(5):465–71, 1975

The lead, copper and zinc content of tree rings and bark. A measurement of local metallic pollution. Barnes D, et al. **Sci Total Environ** 5(1):63–77, Jan 76

[Zincporphyrin pigments in the botryoid tissue of Haemopis sanguisuga L. and their localization by diaminobenzidine–H2O2 reaction (author's transl)] Fischer E, et al. **Acta Histochem (Jena)** 55(1):32–41, 1976 (Eng. Abstr.) **(Ger)**

[Cadmium, lead, and zinc–content of fruits and vegetables from gardens in industrial region (author's transl)] Pfeilsticker K, et al. **Z Lebensm Unters Forsch** 158(3):129–36, 18 Jul 75 **(Ger)**

[Relationships between immissions of plumb and zinc and the levels of plumb, zinc and cadmium in blood, urine and hair in children (author's transl)] Rosmanith J, et al. **Zentralbl Bakteriol [Orig B]** 161(2):125–36, Oct 75 (Eng. Abstr.) **(Ger)**

[Zinc in natural and artificial milk] Nassi L, et al. **Ann Sclavo** 17(6):848–53, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Spectrophotometric determination of the zinc in insulin preparations] Nikolaeva EA, et al. **Farmatsiia** 25(1):71–4, Jan–Feb 76 **(Rus)**

[Polarographic method for the quantitative determination of complex compounds of zinc and iron with nicotinamide] Tuichiev E, et al. **Farmatsiia** 25(2):72–3, 1976 **(Rus)**

BLOOD

Changes of trace minerals (serum iron, zinc, copper and magnesium) in thalassemia. Arcasoy A, et al. **Acta Haematol (Basel)** 53(6):341–6, 1975

Serum zinc levels in patients with malignant lymphomas. Kolarić K, et al. **Acta Med Iugosl** 29(4):331–8, 1975

A prospective study of serum copper and zinc levels in patients receiving total parenteral nutrition. Fleming CR, et al. **Am J Clin Nutr** 29(1):70–7, Jan 76

Zinc nutrition in celiac sprue. Solomons NW, et al. **Am J Clin Nutr** 29(4):371–5, Apr 76

A simple, highly sensitive colorimetric method for the determination of zinc in serum. Song MK, et al. **Am J Clin Pathol** 65(2):229–33, Feb 76 (10 ref.)

Zinc transport by transferrin in rat portal blood plasma. Evans GW, et al. **Biochem Biophys Res Commun** 66(4):1218–24, 27 Oct 75

Application of selective demasking to the spectrophotometric assay of erythrocyte zinc. Carter P. **Biochem Med** 14(4):378–83, Dec 75

A study of zinc distribution in human serum. Giroux EL, et al. **Bioinorg Chem** 5(3):211–8, 1976

Plasma zinc in acute starvation. Henry RW, et al. **Br Med J** 4(5997):625–6, 13 Dec 75

Copper and zinc levels in serum from human patients with sarcomas. Fisher GL, et al. **Cancer** 37(1):356–63, Jan 76

Distribution of serum zinc between albumin and alpha2–macroglobulin in patients with decompensated hepatic cirrhosis. Schechter PJ, et al. **Eur J Clin Invest** 6(2):147–50, 31 Mar 76

Plasma trace metals during total parenteral alimentation. Solomons NW, et al. **Gastroenterology** 70(6):1022–5, Jun 76

Hemoglobin–zinc interaction: functional and structural effects. pp. 85–105. Gilman JG, et al.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.

Plasma zinc in acute starvation. pp. 423–5. Elmes ME, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Copper and zinc shifts with ablative endocrine surgery in breast cancer. pp. 427–32. Flynn A, et al.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Normal human platelet zinc content and its release. pp. 185–91. Aktulga A, et al.
In: Ulutin ON, ed. Platelets. Amsterdam, Excerpta Medica, 1975. W3 EX89 no.357 1974.

Serum zinc level in sheep. Singh K, et al. **Indian J Exp Biol** 13(5):496–7, Sep 75

Influence of acute tissue injury on in vitro incorporation of Zn by sheep erythrocytes. Sasser LB, et al. **J Anim Sci** 41(6):1679–85, Dec 75

Blood zinc levels in patients with arteriosclerosis obliterans, thromboangiitis obliterans and Takayasu's disease. Atsumi T, et al. **Jpn Heart J** 16(6):664–9, Nov 75

Letter: Plasma–zinc in sickle–cell anaemia. Kapu MM, et al. **Lancet** 1(7965):920, 24 Apr 76

Letter: Plasma–zinc in acrodermatitis enteropathica. Walravens PA, et al. **Lancet** 1(7957):488, 28 Feb 76

Zinc protoporphyrin determination: a rapid screening test for the detection of lead poisoning. Fischbein A, et al. **Mt Sinai J Med NY** 43(3):294–9, May–Jun 76

Relationship between mast cells and serum zinc levels. Short communications. Bor NM, et al. **New Istanbul Contrib Clin Sci** 11(2):91, Jun 75

Influence of age and sex on plasma zinc levels in normal and diabetic individuals. Chooi MK, et al. **Nutr Metab** 20(2):135–42, 1976

Serum zinc levels in New Zealand children. Douglas BS, et al. **NZ Med J** 83(560):192–4, 24 Mar 76

Plasma zinc status of dairy cattle in the periparturient period.

Pryor WJ. **NZ Vet J** 24(4):57–8, Apr 76

Serum zinc levels in corticosteroid–treated asthmatic patients. Ellul–Micallef R, et al. **Postgrad Med J** 52(605):148–50, Mar 76

Alterations in plasma copper, zinc, amino acids, and seromucoid during Rocky Moutain spotted fever in guinea pigs. Powanda MC, et al. **Proc Soc Exp Biol Med** 151(4):804–7, Apr 76

Plasma zinc levels in nephrectomized and ureteral ligated rats. Sachin IN, et al. **Proc Soc Exp Biol Med** 151(2):380–1, Feb 76

Zinc: its relationship to osteoporosis in rheumatoid arthritis. Kennedy AC, et al. **Scand J Rheumatol** 4(4):243–5, 1975

Zinc protoporphyrin in the erythrocytes of patients with lead intoxication and iron deficiency anemia. Lamola AA, et al. **Science** 186(4167):936–8, 6 Dec 74

Elevated plasmz zinc: a heritable anomaly. Smith JC, et al. **Science** 193(4252):496–8, 6 Aug 76

Estimation and interpretation on plasma zinc fractions. Burns RR, et al. **Scott Med J** 21(3):153–4, Jul 76

[Changes in serum–concentrations of copper, iron and zink in some pathological conditions during gravidity (author's transl)] Blekta M, et al. **Cesk Gynekol** 41(2):92–4, Apr 76 **(Cze)**

[Serum zinc and healing of varicose ulcers. A controlled study] Larsen PO, et al. **Ugeskr Laeger** 138(4):208–11, 19 Jan 76 (Eng. Abstr.) **(Dan)**

[Letter: Serum zinc determination, zinc deficiency and leg ulcer] Weismann K. **Ugeskr Laeger** 138(14):869–70, 29 Mar 76 **(Dan)**

[Evolution of serum copper and zinc levels in burn patients (author's transl)] Lafargue P, et al. **Clin Chim Acta** 66(2):181–8, 16 Jan 76 (Eng. Abstr.) **(Fre)**

[Study of the zinc levels in serum and erythrocytes in burn patients (author's transl)] Touillon C, et al. **Clin Chim Acta** 63(2):115–20, 1 Sep 75 (Eng. Abstr.) **(Fre)**

[Plasma copper and zinc levels in Hodgkin's disease] Cappelaere P, et al. **Lille Med** 20(10):904–13, Dec 75 **(Fre)**

[Letter: Plasma concentration of zinc and copper after intestinal shunt] Montorsi W, et al. **Nouv Presse Med** (22):1734, 7 Jun 75 **(Fre)**

[The normal level of cadmium, copper and zinc in blood of the viennese population (author's transl)] Machata G. **Wien Klin Wochenschr** 87(15):484–6, 15 Aug 75 (Eng. Abstr.) **(Ger)**

[Determination of erythrocyte zinc by atomic absorption spectrophotometry: Its significance in iron deficiency anemia (author's transl)] Seino M. **Hokkaido J Med Sci** 51(1):59–72, Jan 76 (Eng. Abstr.) **(Jpn)**

[Behavior of zinc and magnesium in stored blood] Lukasiak S, et al. **Acta Haematol Pol** 6(3):217–25, Jul–Sep 75 (Eng. Abstr.) **(Pol)**

[Zinc and copper levels in essential hypertension (author's transl)] Kędracka J, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 30:191–4, 1975 (Eng. Abstr.) **(Pol)**

[Content of zinc, vanadium, and iron in the whole blood and their balance in arteriosclerosis and hypertensive disease] Babadzhanov SN. **Kardiologiia** 15(6):133–4, Jun 75 **(Rus)**

[Copper, cerulopasmin and zinc in relation to the metabolism of lipids in arteriosclerotic patients] Bustamante Bustamante J, et al. **Rev Clin Esp** 139(3):243–6, 15 Nov 75 (Eng. Abstr.) **(Spa)**

[Does normal zinc in serum prevent zinc deficiency?] Abdullah M, et al. **Lakartidningen** 73(22):2104–5, 26 May 76 (Eng. Abstr.) **(Swe)**

[Zinc content in the blood of the mother and fetus and in the placenta and amniotic fluid in full–term and premature labor] Grebenchuk LV, et al. **Pediatr Akush Ginekol** (1):43–5, Jan–Feb 75 **(Ukr)**

CHEMICAL SYNTHESIS

[Sanitary and hygienic evaluation of the manufacture of zinc tetraoxychromate (zinc yellow)] Gladshtein LD, et al. **Gig Tr Prof Zabol** (9):44–5, Sep 74 **(Rus)**

DEFICIENCY

Hereditary zinc deficiency (Adema disease) in cattle, an animal parallel to acrodermatitis enteropathica. Weismann K, et al. **Acta Derm Venereol (Stockh)** 56(2):151–4, 1976

Zinc deficiency in two infants during total parenteral alimentation for diarrhea. Arakawa T, et al. **Am J Clin Nutr** 29(2):197–204, Feb 76

Zinc deficiency. Gupte S. **Am J Clin Nutr** 29(3):235, Mar 76

Zinc deficiency in man. Prasad AS. **Am J Dis Child** 130(4):259–61, Apr 76

Function of pituitary–gonadal axis in zinc–deficient rats. Lei KY, et al. **Am J Physiol** 230(6):1730–2, Jun 76

A syndrome of acute zinc deficiency during total parenteral alimentation in man. Kay RG, et al. **Ann Surg** 183(4):331–40, Apr 76

Acute zinc deficency in man during intravenous alimentation. Kay RG, et al. **Aust NZ J Surg** 45(4):325–30, Nov 75

Carbonic anhydrase activity and erythrocyte count in the blood of zinc–deficient rats. Kirchgessner M, et al. **Bioinorg Chem** 5(1):33–8, 1975

Studies on the appearance of a hepatic copper–binding protein in normal and zinc–deficient rats. Bremner I, et al. **Br J Nutr** 36(1):101–12, Jul 76

Role of zinc in man and its deficiency in sickle cell disease. pp. 603–19. Prasad AS, et al.
In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.

Controlled cell deletion in the small intestine of zinc deficient rats. pp. 418–21. Elmes ME.
In: Hemphill DD, ed. Trace substances in environmental health–IX. Columbia, Univ of Missouri, 1975. W3 C936.

Effect of zinc deficiency on collagen cross–linking. Prasad CU, et al. **Indian J Biochem Biophys** 12(3):249–51, Sep 75

The role of zinc deficiency in acrodermatitis enteropathica. Hambidge KM. **Int J Dermatol** 15(1):38–9, Jan–Feb 76

Effects of some nutritional deficiencies on parturition in rats. Apgar J. **J Nutr** 105(12):1553–61, Dec 75

Vitamin A metabolism during the repletion of zinc deficient rats. Brown ED, et al. **J Nutr** 106(4):563–8, Apr 76

Zinc deficiency in the weanling rat: effects on liver composition and polysomal profiles. Fosmire GJ, et al. **J Nutr** 106(8):1152–8, Aug 76

Effects of zinc deficiency on the oxidation of retinol and ethanol in rats. Huber AM, et al. **J Nutr** 105(11):1486–90, Nov 75

Enzyme activities in the epidermis of zinc–deficient rats. Im MJ, et al. **J Nutr** 105(11):1391–4, Nov 75

Zinc deficiency during the latter third of pregnancy: effects on fetal rat brain, liver, and placenta. McKenzie JM, et al. **J Nutr** 105(11):1466–75, Nov 75

Protein synthesis in zinc deficient rats during tularemia. Pekarek RS, et al. **J Nutr** 106(7):905–12, Jul 76

Alterations in vitamin A metabolism during zinc deficiency and food and growth restriction. Smith JC Jr, et al. **J Nutr** 106(4):569–74, Apr 76

The Paneth cell population of the small intestine of the rat–effects of fasting and zinc deficiency on total count and on dithizone–reactive count. Elmes ME. **J Pathol** 118(3):183–91, Mar 76

Trace elements in sickle cell disease. Prasad AS, et al. **JAMA** 235(22):2396–8, 31 May 76

Acquired zinc deficiency. Cutaneous manifestations typical of acrodermatitis enteropathica. Tucker SB, et al. **JAMA** 235(22):2399–402, 31 May 76

Editorial: At the mercy of the elements. Vaisrub S. **JAMA** 235(22):2422, 31 May 76

Letter: Hair–zinc concentrations in diabetic children. Amador M, et al. **Lancet** 2(7945):1146, 6 Dec 75

Letter: Ethambutol and the eye; zinc and copper. Campbell IA, et al. **Lancet** 2(7937):711, 11 Oct 75

Letter: Pica with zinc deficiency. Karayalcin G, et al. **Lancet** 02(7987):687, 25 Sep 76

Letter: Zinc deficiency and intravenous feeding. Kay RG, et al. **Lancet** 2(7935):605–6, 27 Sep 75

Letter: Zinc deficiency and cellular immune deficiency in acrodermatitis enteropathica in man and zinc deficiency with thymic hypoplasia in fresian calves: a possible genetic link. Moynahan EJ. **Lancet** 2(7937):710, 11 Oct 75

Letter: Zinc deficiency and disturbances of mood and visual behaviour. Moynahan EJ. **Lancet** 1(7950):91, 10 Jan 76

Letter: Acrodermatitis enteropathica, zinc, and ultrastructural lesions in Paneth cells. Polanco I, et al. **Lancet** 1(7956):430, 21 Feb 76

Trace elements and teratogenesis. Hurley LS. **Med Clin North Am** 60(4):771–8, Jul 76 (65 ref.)

Letter: Zinc deficiency and skin lesions. Tasman–Jones C, et al. **N Engl J Med** 293(16):830, 16 Oct 75

Intrauterine nutrition and aggression. Halas ES, et al. **Nature** 257(5523):221–2, 18 Sep 75

Zinc deficiency in sickle cell disease. **Nutr Rev** 33(9):266–7, Sep 75 (4 ref.)

Acrodermatitis enteropathica—hereditary zinc deficiency. **Nutr Rev** 33(11):327–9, Nov 75 (10 ref.)

Zinc deficiency in pregnant, fetal and young rats. **Nutr Rev** 34(3):84–6, Mar 76 (2 ref.)

Letter: Effects pf pstmatal zinc deficiency on developing rat brain. Lines DR. **Pediatr Res** 9(11):850–1, Nov 75

The parakeratin layer of zinc–deficient rat buccal epithelial. Chen SY, et al. **Pharmacol Ther Dent** 2(2):83–95, 1975

Food intake control in zinc–deficient rats of the Zucker–Zucker strain. Chesters JK. **Proc Nutr Soc** 34(3):103A–104A, Dec 75

Zinc. Fell GS, et al. **Proc R Soc Med** 69(7):474–6, Jul 76

Glucose tolerance, plasma and pancreatic insulin levels in zinc deficient rats. Brown ED, et al. **Proc Soc Exp Biol Med** 150(3):557–60, Dec 75

Depressed thymidine kinase activity in zinc–deficient rat embryos. Dreosti IE, et al. **Proc Soc Exp Biol Med** 150(1):161–5, Oct 75

Chromosomal abnormalities in maternal and fetal tissues of magnesium– or zinc–deficient rats. Bell LT, et al. **Teratology** 12(3):221–6, Dec 75

[Zinc depletion syndrome with acrodermatitis during long–term parenteral nutrition. 2 cases treated with oral and intravenous zinc] Weismann K, et al. **Ugeskr Laeger** 138(23):1403–6, 31 May 76 (Eng. Abstr.) **(Dan)**

[Possible role of a metal deficiency in the pathogenesis of various forms of toxic and nutritional optic neuritis] Béchetoille A, et al. **Bull Mem Soc Fr Ophtalmol** (87):227–32, 1976 **(Fre)**

[Effect of zinc deficiency and varying zinc supplements on resorption and retention in dairy cows] Kirchgessner M, et al. **Arch Tierernaehr** 26(1):3–16, Jan 76 (Eng. Abstr.) **(Ger)**

[Serum and plasma insulin levels in zinc–deficient rats following glucose stimulation] Roth HP, et al. **Int J Vitam Nutr Res** 45(2):201–8, 1975 (Eng. Abstr.) **(Ger)**

[Activity of the alkaline phosphatase in the serum and bones of zinc–deficient and zinc–replenished cows] Kirchgessner M, et al. **Z Tierphysiol** 36(4):191–200, Aug 75 (Eng. Abstr.) **(Ger)**

[Effect of zinc deficiency on serum insulin levels in milch cows. 17. Zinc metabolism in the animal organism] Kirchgessner M, et al. **Z Tierphysiol** 36(4):175–9, Feb 76 (Eng. Abstr.) **(Ger)**

[Histopathologic findings in the zinc deficiency syndrome and after eventual zinc repletion] Groth W. **Zentralbl Veterinaermed [A]** 23(1):31–53, Jan 76 (Eng. Abstr.) **(Ger)**

[Relations between clinical symptoms of zinc deficiency and zinc status of lactating cows] Kirchgessner M, et al. **Zentralbl Veterinaermed [A]** 22(7):572–82, Sep 75 (Eng. Abstr.) **(Ger)**

[Urinary estrogens and testicular morphology in rats with zinc deficiency] Saviano MS, et al. **Arch De Vecchi Anat Patol** 60(1):81–92, Aug 74 **(Ita)**

[Infusion fluid and trace metals (zinc deficiency)] Okada A, et al. **Jpn J Clin Med** 34(2):398–9, 10 Feb 76 **(Jpn)**

DIAGNOSTIC USE

Localizing –SH groups in monoaminergic synaptic vesicles with the mixture of zinc iodide–osmium tetroxide (ZIO). de Iraldi AP. **Brain Res** 94(3):363–7, 5 Sep 75

[Studies on immunochemical determination of serum thymol and zinc turbidity tests (author's transl)] Miyatani K, et al. **Jpn J Clin Pathol** 23(8):653–6, Aug 75 **(Jpn)**

ISOLATION & PURIFICATION

The prostatic antibacterial factor: identity and significance. pp. 383–403. Fair WR, et al.
In: Marberger H, et al., ed. Prostatic disease. New York, Liss, 1976. W1 PR668E v.6 1976.

Prostatic antibacterial factor. Identity and significance. Fair WR, et al. **Urology** 7(2):169–77, Feb 76

METABOLISM

Venous leg ulceration: skin and serum zinc concentrations. Dachowski EJ, et al. **Acta Derm Venereol (Stockh)** 55(6):497–8, 1975

The effect of 2–bromo–alpha–ergocryptine (CB154) administration of the hormone levels, organ weights, prostatic morphology and zinc concentrations in the male rat. Harper ME, et al. **Acta Endocrinol (Kbh)** 83(1):211–24, Sep 76

Tissue localization of some teratogens at early and late gestation related to fetal effects. Dencker L. **Acta Pharmacol Toxicol [Suppl] (Kbh)** 39(1):1–131, 1976

Selenium and zinc concentrations in kidney, liver and muscle of cattle from different parts of Norway. Hellesnes I, et al. **Acta Vet Scand** 16(4):481–91, 1975

The zinc–myoglobin relationships in porcine muscles. Jorgensen PF, et al. **Acta Vet Scand** 17(1):101–6, 1976

Zinc nutrition of preschool children in the Denver Head Start program. Hambidge KM, et al. **Am J Clin Nutr** 29(7):734–8, Jul 76

Copper, iron, and zinc contents of mature human milk. Picciano MF, et al. **Am J Clin Nutr** 29(3):242–54, Mar 76

Oral contraceptives, norethindrone and mestranol: effects on tissue levels of minerals. Lei KY, et al. **Am J Physiol** 231(1):98–103, Jul 76

A syndrome of acute zinc loss. Cerebellar dysfunction, mental changes, anorexia, and taste and smell dysfunction. Henkin RI, et al. **Arch Neurol** 32(11):745–51, Nov 75

Biliary excretion of 64Cu, 65Zn and 203Hg in the rat with liver injury induced by CCl4. Cikrt M, et al. **Arch Toxicol (Berl)** 34(3):227–36, 20 Nov 75

Some properties of an alcohol dehydrogenase partially purified from baker's yeast grown without added zinc. Dickenson CJ, et al. **Biochem J** 153(2):309–19, 1 Feb 76

Biological effects of the enhanced excretion of zinc after calcium diethylenetriaminepentaacetate chelation therapy. Cohen N, et al. **Bioinorg Chem** 5(3):203–10, 1976

Localization of zinc in a dense fiber–connecting piece fraction of rat sperm tails analogous chemically to hair keratin. Calvin HI, et al. **Biol Reprod** 13(2):228–39, Sep 75

A study of the metabolism of zinc its metalloenzymes in diabetes mellitus. Mateo MC, et al. **Biomedicine [Express]** 23(4):134–6, 30 Apr 75

The relationship between the zinc status of pigs and the occurrence of copper– and Zn–binding proteins in liver. Bremner I. **Br J Nutr** 35(2):245–52, Mar 76

Factors affecting the distribution of zinc in the human skeleton. Aitken JM. **Calcif Tissue Res** 20(1):23–30, 13 Apr 76

Human brain contents of calcium, copper, magnesium, and zinc in some neurological pathologies. Greiner AC, et al. **Clin Chim Acta** 64(2):211–3, 15 Oct 75

The biological role of zinc in normal and pathological conditions: a survey. Weismann K. **Dan Med Bull** 23(3):146–52, Jun 76 (Eng. Abstr.)

Binding of mercury and zinc to cadmium–binding protein in liver and kidney of goldfish (Carassius auratus L.). Marafante E. **Experientia** 32(2):149–50, 15 Feb 76

Yeast RNA–polymerase B: A zinc protein. Lattke H, et al. **FEBS Lett** 65(3):288–92, 15 Jun 76

Semen zinc levels in infertile and postvasectomy patients and

patients with prostatitis. Marmar JL, et al. **Fertil Steril** 26(11):1057–63, Nov 75

Formation, circular dichroism and x-ray photoelectron spectroscopy of hepatic Zn-thionein. Sokolowski G, et al. **Hoppe Seylers Z Physiol Chem** 356(11):1715–26, Nov 75

Zinc and the prostate in man. pp. 494–501. Grant JK, et al.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Comments on zinc in the canine prostate. pp. 530–3. Smith E.
In: Goland M, ed. Normal and abnormal growth of the prostate. Springfield, Ill., Thomas, 1975. WJ 750 S989n 1973.

Molecular distribution of trace meta[illegible] the normal and in the copper treated human secretc[illegible]adometrium. Hicks JJ, et al. **Int J Fertil** 21(1):55–60. [illegible]6

Zinc as a co-factor for an enzyme involved in exsheathment of Haemonchus contortus. Rogers WP, et al. **Int J Parasitol** 6(4):315–9, Aug 76

Binding of Ca(II), Mg(II), and Zn(II) by 7S fraction of soybean proteins. Appu Rao AG, et al. **J Agric Food Chem** 24(3):490–4, May–Jun 76

Binding of Zn(II) by the 11S fraction of soybean proteins. Appu Rao AG, et al. **J Agric Food Chem** 24(3):487–90, May–Jun 76

Comparison of dietary zinc levels for reproducing sows and the effect of dietary zinc and calcium on the subsequent performance of their progeny. Hedges JD, et al. **J Anim Sci** 43(2):453–63, Aug 76

A proposed site of action for zinc in DNA synthesis. Duncan JR, et al. **J Comp Pathol** 86(1):81–5, Jan 76

Zinc absorption from the small intestine in young calves. Hampton DL, et al. **J Dairy Sci** 59(4):712–5, Apr 76

Intracellular distribution of zinc and zinc-65 in calves receiving high but nontoxic amounts of zinc. Kincaid RL, et al. **J Dairy Sci** 59(3):552–5, Mar 76

Accumulation and storage of Zn2+ by Candida utilis. Failla ML, et al. **J Gen Microbiol** 94(1):23–36, May 76

Magnesium, calcium and zinc levels of maternal and fetal tissues in magnesium deficient rats. Hurley LS, et al. **J Nutr** 106(9):1261–4, Sep 76

Bioavailability of zinc in milk and soy protein-based infant formulas. Momčilović B, et al. **J Nutr** 106(7):913–7, Jul 76

Decreased absorption of calcium, magnesium, zinc and phosphorus by humans due to increased fiber and phosphorus consumption as wheat bread. Reinhold JG, et al. **J Nutr** 106(4):493–503, Apr 76

Interactions of trace metals in mouse and rat tissues; zinc, chromium, copper, and manganese with 13 other elements. Schroeder HA, et al. **J Nutr** 106(2):198–203, Feb 76

The absorption by boar spermatozoa of zinc bound to low molecular weight ligands. Boursnell JC, et al. **J Reprod Fertil** 45(3):421–6, Dec 75

The accessory fibers of the sperm tail. II. Their role in binding zinc in mammals and cephalopods. Baccetti B, et al. **J Ultrastruct Res** 54(2):261–75, Feb 76

Inhibition by zinc of rhinovirus protein cleavage: interaction of zinc with capsid polypeptides. Korant BD, et al. **J Virol** 18(1):298–306, Apr 76

Letter: Zinc-thionein and heritable disorders associated with aberrant zinc metabolism. Cousins RJ. **Lancet** 02(7987):686–7, 25 Sep 76

Letter: Zinc and diodoquin in acrodermatitis enteropathica. Delves HT, et al. **Lancet** 2(7941):929, 8 Nov 75

Letter: Zinc in human medicine. Elmes ME. **Lancet** 2(7934):549, 20 Sep 75

Letter: Zinc-65 retention in patients with stasis leg ulcers. Hawkins T, et al. **Lancet** 2(7980):319, 7 Aug 76

Letter: Zinc and diodoquin in acrodermatitis enteropathica. Portnoy B, et al. **Lancet** 2(7945):1156–7, 6 Dec 75

Letter: Metronidazole and tissue zinc/iron ratio in cancer therapy. Willson RL. **Lancet** 1(7974):1407, 26 Jun 76

Models for metal ion function in carbonic anhydrase. Woolley P. **Nature** 258(5537):677–82, 25 Dec 75

Lethal trait A 46 in cattle. Intestinal zinc absorption. Flagstad T. **Nord Vet Med** 28(3):160–9, Mar 76

The effects of prolonged consumption of wholemeal bread upon metabolism of calcium, magnesium, zinc and phosphorus of two young American adults. Campbell BJ, et al. **Pahlavi Med J** 7(1):1–17, Jan 76

Ingested polychlorinated biphenyl Aroclor 1242 and growth, calcium and zinic absorption, and intestinal ultrastructure in chicks. Turk DE, et al. **Poult Sci** 55(2):672–8, Mar 76

Chemical reactivities of catalytic and noncatalytic zinc or cobalt atoms of horse liver alcohol dehydrogenase: differentiation by their thermodynamic and kinetic properties. Sytkowski AJ, et al. **Proc Natl Acad Sci USA** 73(2):344–8, Feb 76

Zinc absorption in pregnancy and lactation. Davies NT, et al. **Proc Nutr Soc** 35(1):5A–6A, May 76

Effects of high but nontoxic dietary zinc on zinc metabolism and adaptations in rats. Ansari MS, et al. **Proc Soc Exp Biol Med** 150(2):534–6, Nov 75

Zinc metabolism and homeostasis in rats fed a wide range of high dietary zinc levels. Ansari MS, et al. **Proc Soc Exp Biol Med** 152(2):192–4, Jun 76

Transferrin function in zinc absorption and transport. Evans GW. **Proc Soc Exp Biol Med** 151(4):775–8, Apr 76

Influence of dietary carbohydrate on copper, iron, and zinc status of the rat. Landes DR. **Proc Soc Exp Biol Med** 150(3):686–9, Dec 75

Effect of acute infection and endotoxemia on zinc absorption in the rat. Pekarek RS, et al. **Proc Soc Exp Biol Med** 150(3):755–8, Dec 75

Methodological studies on the uptake of zinc by 3T3 cells. Schwarz FJ, et al. **Proc Soc Exp Biol Med** 149(4):888–92, Sep 75

Serum zinc and urinary zinc excretion after renal allotransplantation. Christensen E, et al. **Scand J Clin Lab Invest** 36(1):87–93, Jan 76

Cadmium and zinc in human liver and kidney. Syversen TL, et al. **Scand J Clin Lab Invest** 36(3):251–6, May 76

Magnesium and zinc in seminal fluid of healthy males and patients with non-acute prostatitis with and without gonorrhoea. Colleen S, et al. **Scand J Urol Nephrol** 9(3):192–7, 1975

Absorption, distribution, and excretion of zinc pyridinethione in rabbits. Klaassen CD. **Toxicol Appl Pharmacol** 35(3):581–7, Mar 76

Effect of chronic administration of carbon tetrachloride on copper, zinc, and mercury binding in bile in rats. Tichý M, et al. **Toxicol Appl Pharmacol** 36(1):163–72, Apr 76

[Follow-up of zinc values in surgical patients] Kazda A, et al. **Cas Lek Cesk** 115(18):543–8, 7 May 76 (Eng. Abstr.) **(Cze)**

[The biological significance of zinc (author's transl)] Seeling W, et al. **Anaesthesist** 24(8):329–42, Aug 75 (Eng. Abstr.) **(Ger)**

[The course of iron, zinc, silicic acid and aluminum clearance from the lung and liver after repeated intratracheal application of carbon dust (animal experiments)] Rosmanith J, et al. **Beitr Silikoseforsch** 27(2):45–61, 1975 **(Ger)**

[Editorial: Zinc, a trace element of clinical importance] Baerlocher K, et al. **Helv Paediatr Acta** 31(2):99–107, Aug 76 **(Ger)**

[Studies on the glucocorticoid control of zinc metabolism] Fodor L, et al. **Infusionstherapie** 2(3):210–3, Jun 75 (Eng. Abstr.) **(Ger)**

[Experimental animal studies on the absorption of zinc from various parts of the small intestine and various zinc compounds] Schwarz FJ, et al. **Nutr Metab** 18(3):157–66, 1975 (Eng. Abstr.) **(Ger)**

[Zinc and magnesium balance in long-term infusion of carbohydrates in healthy subjects] Schaller KH, et al. **Z Ernaehrungswiss** 14(4):295–301, Dec 75 (Eng. Abstr.) **(Ger)**

[Acrodermatitis enteropathica—a disturbance of zinc metabolism with zinc malabsorption (author's transl)] Lombeck I, et al. **Z Kinderheilkd** 120(3):181–9, 11 Sep 75 (Eng. Abstr.) **(Ger)**

[The effect of organic ligands on zinc absorption in vitro] Schwarz VF, et al. **Z Tierphysiol** 35(5):257–66, Sep 75 (Eng. Abstr.) **(Ger)**

[Zinc metabolism and dynamics of zinc in lactating cows. Study plan and execution. 12. Zinc metabolism in animals] Schwarz WA, et al. **Z Tierphysiol** 34(5):281–8, Mar 75 (Eng. Abstr.) **(Ger)**

[Zinc concentration in serum and blood of lactating cows in experimental zinc deficiency and zinc repletion. 13. Zinc metabolism in the animal organism] Schwarz WA, et al. **Z Tierphysiol** 34(6):289–99, Apr 75 (Eng. Abstr.) **(Ger)**

[Zinc and olfactory acuity in epileptic patients. Preliminary note] Filla A, et al. **Acta Neurol (Napoli)** 30(6):563–8, Nov–Dec 75 (Eng. Abstr.) **(Ita)**

[Effect of protein deficiency on zinc absorption from the small intestine as well as zinc and copper contents in rat's internal organs] Kwast M. **Rocz Panstw Zakl Hig** 26(4):471–7, 1975 (Eng. Abstr.) **(Pol)**

[Study of the incorporation of radioactive zinc in Saccharomyces cerevisiae aldolase] Rabega C, et al. **Rev Ig [Bacteriol]** 21(1):33–6, Jan–Mar 76 (Eng. Abstr.) **(Rum)**

[Zinc balance in the body of adolescents] Buriak LI, et al. **Gig Sanit** (1):102–3, Jan 76 **(Rus)**

[Zinc consumption from the nutrient medium of Trichosporon capitatum and Aspergillus niger] Rachinsky VV, et al. **Prikl Biokhim Mikrobiol** 11(6):880–4, Nov–Dec 75 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cd resistant cells show cross tolerance to Zn++ but not to Hg++. Haffner F, et al. **Acta Pharmacol Toxicol (Kbh)** 38(5):525–8, May 76

Bacterial growth inhibition by amniotic fluid. VI. Evidence for a zinc-peptide antibacterial system. Schlievert PS, et al. **Am J Obstet Gynecol** 125(7):906–10, 1 AUG 76

Light and electron microscopic study of the effects of ZnSO4 on mouse nasal respiratory epithelium and subsequent responses. Matulionis DH. **Anat Rec** 183(1):63–82, Sep 75

Irreversible inhibition of herpes simplex virus replication in BSC-1 cells by zinc ions. Gordon YJ, et al. **Antimicrob Agents Chemother** 8(3):377–80, Sep 75

Antagonistic effect in vivo of zinc on inhibition of delta-aminolevulinic acid dehydratase by lead. Haeger-Aronsen B, et al. **Arch Environ Health** 31(4):215–20, Jul–Aug 76

Chemical carcinogenesis in the cheek pouch of Syrian hamsters receiving supplementary zinc. Edwards MB. **Arch Oral Biol** 21(2):133–5, 1976

Changes of the liver enzymatic functions induced by zinc ions and phenobarbital. Chiculescu O, et al. **Arch Roum Pathol Exp Microbiol** 33(3–4):307–11, Jul–Dec 74

Yeast RNA polymerase I: a eukaryotic zinc metalloenzyme. Auld DS, et al. **Biochem Biophys Res Commun** 69(2):548–54, 22 Mar 76

Metal activation of DNA synthesis. Sirover MA, et al. **Biochem Biophys Res Commun** 70(3):812–7, 7 Jun 76

The induction of metallothionein in rat liver by zinc injection and restriction of food intake. Bremner I, et al. **Biochem J** 149(3):733–8, Sep 75

Comparison of the effects of zinc deprivation and actinomycin D on ribonucleic acid synthesis by stimulated lymphocytes. Chesters JK. **Biochem J** 150(2):211–8, Aug 75

Inhibition of NADPH oxidation and related drug oxidation in liver microsomes by zinc. Chvapil M, et al. **Biochem Pharmacol** 25(15):1787–91, 1 Aug 76

Inhibition of intralysosomal proteolysis in mouse liver and kidney phagolysosomes by zinc. Mego JL. **Biochem Pharmacol** 25(7):753–6, 1 Apr 76

Effect of zinc on androgen metabolism in the human hyperplastic prostate. Wallace AM, et al. **Biochem Soc Trans** 3(4):540–2, 1975

Esterase activity of zinc neutral proteases. Holmquist B, et al. **Biochemistry** 15(1):101–7, 13 Jan 76

On the mechanism of divalent metal ion chelator induced activation of the 7S nerve growth factor esteropeptidase. Activation by 2,2',2"-terpyridine and by 8-hydroxyquinoline 5-sulfonic acid. Pattison SE, et al. **Biochemistry** 15(17):3691–6, 24 AUG 76

On the mechanism of divalent metal ion chelator induced activation of the 7S nerve growth factor esteropeptidase. Thermodynamics and kinetics of activation. Pattison SE, et al. **Biochemistry** 15(17):3696–703, 24 AUG 76

Production of high levels of phosphorylated F1 histone by zinc chloride. Tanphaichitr N, et al. **Biochemistry** 15(8):1610–4, 20 Apr 76

The in vitro effect of zinc on the inhibition of human delta-aminolevulinic acid dehydratase by lead. Border EA, et al. **Br J Ind Med** 33(2):85–7, May 76

Activation of pepsin (EC 3.4.4.1) by heavy-metal ions including a contribution to the mode of action of copper sulphate in pig nutrition. Kirchgessner M, et al. **Br J Nutr** 36(1):15–22, Jul 76

The histological effects of copper and zinc on chick embryo skeletal tissues in organ culture. Rest JR. **Br J Nutr** 36(2):243–54, Sep 76

Mechanism of action of Mg2+ and Zn2+ on rat placental alkaline phosphatase. I. Studies on the soluble Zn2+ and Mg2+ alkaline phosphatases. PetitClerc C, et al. **Can J Biochem** 53(10):1089–100, Oct 75

Effects of zinc-smelter emissions on forest soil microflora. Jordan MJ, et al. **Can J Microbiol** 21(11):1855–65, Nov 75

Influence of ultraviolet light, various temperatures, and zinc ions on anthralin (dithranol). Biochemical and chemical investigations. Raab WP, et al. **Dermatologica** 150(5):267–76, 1975

The in vitro effect of zinc and other metal ions on the activity of human erythrocyte aminolaevulinic acid dehydratase. Border EA, et al. **Environ Res** 11(3):319–25, Jun 76

Effect of ethanol and zinc on ALA-dehydratase activity in red blood cells. Abdulla M, et al. **Enzyme** 21(3):248–52, 1976

Induction of a sheet polymer of tubulin by Zn2+. Larsson H, et al. **Exp Cell Res** 100(1):104–10, Jun 76

Heavy metal hydrolysis of polyisoprenoid-phosphate mono- and oligosaccarides. Zatta P. **Experientia** 32(6):693–4, 15 Jun 76

Stability of the insoluble form of uridine kinase coupled to zn2+ or pb2+ ions. Cihák A. **Hoppe Seylers Z Physiol Chem** 357(3):345–50, Mar 76

In vitro effects of zinc chloride on spontaneous sheep red blood cell (e) rosette formation by lymphocytes from cancer patients and normal subjects. McMahon LJ, et al. **Immunol Commun** 5(1–2):53–67, 1976

Studies on a new seven device (small seven) containing copper and copper-zinc. Contraceptive potentiation by using metallic association. pp. 201–6. Zipper J, et al.
In: da Paz AC, et al., ed. Recent advances in human reproduction. Amsterdam, Excerpta Medica, 1976. W3 EX89 no.370 1974.

Inhibition by zinc of hemolysis induced by bacterial and other cytolytic agents. Avigad LS, et al. **Infect Immun** 13(5):1378–81, May 76

Human semen ribonuclease. Location, properties and inhibition by sodium dodecyl sulfate, zinc sulfate and EDTA. Mujica A, et al. **Int J Fertil** (2):109–13, 1976

Effect of dietary zinc and copper interrelationships on blood parameters of the rat. Murthy L, et al. **J Agric Food Chem** 24(4):808–11, Jul–aug 76

Transport of sugars and amino acids in bacteria. XIII. Mechanism of selective inhibition of the active transport reactions for proline, leucine, and succinate by zinc ions. Anraku Y, et al. **J Biochem (Tokyo)** 78(1):149–57, Jul 75

Coordination chemical studies on metalloenzymes. Kinetics and mechanism of the Zn(II) exchange reaction between chelating agent and apo-bovine carbonic anhydrase. Kidani Y, et al. **J Biochem (Tokyo)** 79(1):43–51, Jan 76

Leucine aminopeptidase (bovine lens). Effect of pH on the relative binding of Zn2+ and Mg2+ to and on activation of the enzyme. Thompson GA, et al. **J Biol Chem** 251(1):53–60, 10 Jan 76

Investigation of possible oncogenic action of zinc polycarboxylate cement by implantation in mice and hamsters. Main JH, et al. **J Biomed Mater Res** 9(1):69–78, Jan 75

Early cellular responses to diverse growth stimuli independent of protein and RNA synthesis. Rubin H, et al. **J Cell Physiol** 86(1):47–58, Aug 75

Zinc intake, neoplastic DNA synthesis, and chemical carcinogenesis in rats and mice. Duncan JR, et al. **J Natl Cancer Inst** 55(1):195–6, Jul 75

Influence of dietary zinc on lead toxicity in the rat. Cerklewski FL, et al. **J Nutr** 106(5):689–96, May 76

Influence of a chlorhexidine and a zinc mouthrinse on gingivitis. Fischman S, et al. **J Periodontol** 46(12):710–4, Dec 75

The effect of zinc on the late displacement current in squid giant axons. Meves H. **J Physiol (Lond)** 254(3):787–801, Jan 76

The effect of zinc ions on the gating of the delayed potassium conductance of frog sartorius muscle. Stanfield PR. **J Physiol (Lond)** 251(3):711–35, Oct 75

Proceedings: Possible mechanisms involved in the reduction in motility of human spermatozoa by copper, zinc and silver. Holland MK, et al. **J Reprod Fertil** 46(2):507–8, Mar 76

Processing of mengovirus precursor polypeptides in the presence of zinc ions and sulfhydryl compounds. Nakai K, et al. **J Virol** 18(3):918–25, Jun 76

Some effects of zinc on the utilization of carbon sources by Monascus purpureus. Johnson GT, et al. **Mycologia** 67(4):806–16, Jul–Aug 75

Dual role of Zn2+ as inhibitor and activator of fructose 1,6-bisphosphatase of rat liver. Tejwani GA, et al. **Proc Natl Acad Sci USA** 73(8):2692–5, Aug 76

Effect of zinc ions on synthesis of herpes simplex virus type 2-induced polypeptides. Gupta P, et al. **Proc Soc Exp Biol Med** 152(3):455–8, Jul 76

A site of action for zinc in neoplastic tissue. Duncan JR, et al. **S Afr Med J** 50(18):711–3, 24 Apr 76

Teratologic evaluation of dermally applied zinc pyrithione on swine. Wedig JH, et al. **Toxicol Appl Pharmacol** 36(2):255–9, May 76

Inhibition of Sindbis virus replication by zinc ions. Bracha M, et al. **Virology** 72(1):272–7, 1 Jul 76

The effect of zinc and phytic acid on the incorporation of 1-14C-acetate into aflatoxin by resting mycelia of Aspergillus parasiticus. Gupta SK, et al. **Z Lebensm Unters Forsch** 159(2):107–111, 31 Oct 75

The effect of inorganic salts and some biologically important compounds on the incorporation of 1-14C acetate into aflatoxins by resting mycelia of Aspergillus parasiticus. Gupta SR, et al. **Z Lebensm Unters Forsch** 157(1):19–22, 7 Feb 75

Effect of zinc and cadmium on delta-aminolevulinate dehydratase of red blood cells in protecting against enzyme losses during storage. Hampp R, et al. **Z Naturforsch [C]** 30(4):434–7, Jul–Aug 75

Studies on the cultivation of Clostridium oncolyticum M 55. 5th communication: The influence of iron, zinc, and cobaltous ions on the growth and the kininase activity of clostridium oncolyticum M 55 ATCC 13.732. Brantner H, et al. **Zentralbl Bakteriol [Orig A]** 233(2):253–60, Oct 75

[Investigations on the combined effect of zinc and lead (author's transl)] Schlipköter HW, et al. **Zentralbl Bakteriol [Orig B]** 160(2):130–8, Mar 75 (Eng. Abstr.) **(Ger)**

[The characteristics of uricase production by a Hyphomycetes isolated from the excrements of Cettia diphone cantans. I. Acceleration of uricase formation by high salt concentrations and zinc salts (author's transl)] Kon Y, et al. **J Pharm Soc Jpn** 96(1):66–70, Jan 76 (Eng. Abstr.) **(Jpn)**

[Effect of technological factors on the anti-inflammatory action of zinc ointment] Ponomarev VD, et al. **Farmatsiia** 24(5):9–12, Sep–Oct 75 (Eng. Abstr.) **(Rus)**

[Solubility of particles of copper-zinc of varying crystalline structure in gastric juice] Suvorov SV, et al. **Gig Tr Prof Zabol** (9):51–2, Sep 74 **(Rus)**

PHYSIOLOGY

The effects of phytate on intestinal absorption and secretion of zinc, and whole-body retention of Zn, copper, iron and manganese in rats. Davies NT, et al. **Br J Nutr** 34(2):243–58, Sep 75

Biochemistry of zinc. Riordan JF. **Med Clin North Am** 60(4):661–74, Jul 76 (62 ref.)

Function and homeostasis of copper and zinc in mammals. Fisher GL. **Sci Total Environ** 4(4):373–412, Nov 75 (176 ref.)

[Nutritional-physiological importance of zinc in the growth age] pp. 217–26. Bergmann KE, et al. **In: Betke K, Bidlingmaier F, ed. Spurenelemente in der Entwicklung von Mensch und Tier. München, Urban & Schwarzenberg, 1975. WS 120 S772s 1974.** **(Ger)**

POISONING

A case of zinc fever in the course of a brain tumor. Jaremin B, et al. **Bull Inst Marit Trop Med Gdynia** 26(3–4):323–8, 1975

[Still fear of health damage in Nordenham] **Z Allgemeinmed** 51(19):881, 10 Jul 75 **(Ger)**

[Microelements and electrolytes of blood in chronic microintoxication with zinc compounds] Taushan MD. **Vrach Delo** (8):137–40, Aug 75 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Oral treatment of acrodermatitis enteropathica with zinc sulfate. Der Kaloustian VM, et al. **Am J Dis Child** 130(4):421–3, Apr 76

Treatment of acrodermatitis enteropathica with zinc sulfate. Campo AG Jr, et al. **Arch Dermatol** 112(5):687–9, May 76

Gluconate zinc in acrodermatitis enteropathica. Hirsh FS, et al. **Arch Dermatol** 112(4):475–8, Apr 76

Letter: Withdrawal of zinc therapy in acrodermatitis enteropathica. Portnoy B, et al. **Br J Dermatol** 94(1):112–3, Jan 76

Treatment of acrodermatitis enteropathica with zinc sulphate. Gartside JM, et al. **Br Med J** 3(5982):521–2, 30 Aug 75

Letter: Suppressive effect of zinc on the toxicity of mercury. Yamane Y, et al. **Chem Pharm Bull (Tokyo)** 24(4):836–7, Apr 76

Efficacy of Zn-DTPA in removing plutonium from the human body. Ohlenschläger L. **Health Phys** 30(2):249–50, Feb 76

Zinc therapy in acrodermatitis enteropathica. Leupold D, et al. **Helv Paediatr Acta** 31(2):109–15, Aug 76

Treatment of acrodermatitis enteropathica with zinc sulphate. Rerport of 3 cases. Lungarotti MS, et al. **Helv Paediatr Acta** 31(2):117–20, Aug 76

Zinc in sickle cell anemia. pp. 417–35. Brewer GJ, et al. **In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.**

Human sickle cells in a heterologous species: a model for the screening of anti-sickling agents. pp. 455–64. Castro O, et al. **In: Brewer GJ, ed. Erythrocyte structure and function. New York, Liss, 1975. W1 PR668E v.1 1975.**

Inhibition of lethality in endotoxin-challenged mice treated with zinc chloride. Snyder SL, et al. **Infect Immun** 13(3):998–1000, Mar 76

Editorial: Zinc in human medicine. **Lancet** 2(7930):351–2, 23 Aug 75

Letter: Zinc and acrodermatitis enteropathica. Freier S, et al. **Lancet** 1(7965):914–5, 24 Apr 76

Zinc sulphate for acrodermatitis enteropathica. Guiraldes E, et al. **Lancet** 2(7937):710–1, 11 Oct 75

Letter: Zinc, penicillamine, and rheumatoid arthritis. Lyle WH. **Lancet** 02(7987):684, 25 Sep 76

Editorial: Acrodermatitis enteropathica. **Med J Aust** 2(3):77, 19 Jul 75

Editorial: Zinc and gastric ulceration. **Med J Aust** 2(21):788, 22 Nov 75

Letter: Acne vulgaris—zinc deficiency? Fitzherbert JC. **Med J Aust** 1(22):848, 29 May 76

The healing of gastric ulcers by zinc sulphate. Frommer DJ. **Med J Aust** 2(21):793–6, 22 Nov 75

Letter: Healing of gastric ulcers by zinc sulphate. Orr KB. **Med J Aust** 1(8):244, 21 Feb 76

Facial eczema: zinc responsiveness in dairy cattle. Rickard BF. **NZ Vet J** 23(3):41–2, Mar 75

Acrodermatitis enteropathica in two siblings treated with zinc sulphate supplements alone. Moynahan EJ. **Proc R Soc Med** 68(5):276, May 75

Zinc sulfadiazine for topical therapy of pseudomonas infection in burns. Fox CL Jr, et al. **Surg Gynecol Obstet** 142(4):553–9, Apr 76

Zinc and wound healing. Lee PW, et al. **Surg Gynecol Obstet** 143(4):549–54, Oct 76

[Letter: Acrodermatitis enteropathica. Treatment with zinc sulfate] Baudon JJ, et al. **Nouv Presse Med** 4(20):1507, 17 May 75 **(Fre)**

[Acrodermatitis enteropathica—zinc as a life-saving drug] Reich H. **Hautarzt** 27(3):95–100, Mar 76 (Eng. Abstr.) **(Ger)**

[Zinc therapy in acrodermatitis enteropathica] Thyresson N. **Hautarzt** 26(8):408–10, Aug 75 (Eng. Abstr.) **(Ger)**

[Zinc as the therapy of choice in acrodermatitis enteropathica] Reich H, et al. **Med Klin** 71(1):1–6, 2 Jan 76 (57 ref.) **(Ger)**

[Experience with the oral treatment of disseminated ulcers using zinc sulfate] Dittmer H, et al. **Med Welt** 27(12):589–91, 19 Mar 76 **(Ger)**

[Zinc for elderly patients. Literature review and personal study] Liljedal J. **Tidsskr Nor Laegeforen** 96(13):757–8, 10 May 76 (Eng. Abstr.) **(Nor)**

TOXICITY

The effect of low lead and zinc concentrations on the larval development of the mud-crab Rhithropanopeus harrisii Gould. pp. 43–52. Benijts-Claus C, et al. **In: Koeman JH, Strik JJ, ed. Sublethal effects of toxic chemicals on aquatic animals. Amsterdam, Elsevier Scientific, 1975. WA 689 S941 1975.** (10 ref.)

Effects of the inhalation of catalytically active metallic oxide fumes on rabbits. Mori T, et al. **Int Arch Occup Environ Health** 36(1):29–39, 4 Nov 75

Letter: Zinc research: an environmental hazard? Birks JL. **Lancet** 1(7971):1247, 5 Jun 76

URINE

Renal handling of Zn-alpha2-glycoprotein as compared with that of albumin and the retinol-binding protein. Ekman R, et al. **J Clin Invest** 57(4):945–54, Apr 76

Urinary zinc in hepatic cirrhosis. Allan JG, et al. **Scott Med J** 20(3):109–11, May 75

ZINC OXIDE see under ZINC

ZINC OXIDE-EUGENOL CEMENT

Clinical studies of dental cements: V. Recall evaluation and a zinc phosphate cement. Silvey RG, et al. **J Dent Res** 55(2):289–91, Mar–Apr 76

Examination of the test for compressive strength applied to zinc oxide eugenol cements. Wilson AD. **J Dent Res** 55(1):142–7, Jan–Feb 76

PHARMACODYNAMICS

Pulp reaction to a temporary zinc oxide/eugenol cement. Brännström M, et al. **J Prosthet Dent** 35(2):185–91, Feb 76

STANDARDS

[The use of energy in casting and the viscosity of zinc oxide-eugenol pastes] Schwickerath H. **Dtsch Zahnaerztl Z** 30(8):527–30, Aug 75 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Clinical and radiological evaluation of zinc oxide with eugenol as material for root canals fillings] Limanowska H, et al. **Czas Stomatol** 29(2):109–115, Feb 76 (Eng. Abstr.) **(Pol)**

ZINC PHOSPHATE CEMENT

The influence of the cement layer on the strength of porcelain crowns subjected to frequent loading. Dérand T. **Odontol Revy** 26(3):239–44, 1975

PHARMACODYNAMICS

Enamel corrosion produced by zinc phosphate dental cement. Abramovich A, et al. **J Dent Res** 55(1):107–110, Jan–Feb 76

STANDARDS

The 'solubility and disintegration' test for zinc phosphate dental cements: the use of small specimens. Wilson AD, et al. **J Dent** 4(1):28–32, Jan 76

[Zinc oxide phosphate cement studies on the usefulness of Firmat] Glockmann E, et al. **Stomatol DDR** 26(1):7–15, Jan 76 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Evaluation of dental caries treatment of permanent incisors in children 10–12 years old] Badzian-Kobos K, et al. **Czas Stomatol** 29(2):103–8, Feb 76 (Eng. Abstr.) **(Pol)**

ZINC RADIOISOTOPES

Isotopic dilution of zinc-65 in Oregon coastal waters. Cutshall NH, et al. **Health Phys** 29(6):865–9, Dec 75

Cyclotron production of 62Zn for medical use. Houdayer AJ, et al. **Int J Nucl Med Biol** 3(2):97–8, Apr 76

Letter: Zinc research, an environmental hazard? Golden BE, et al. **Lancet** 1(7969):1133, 22 May 76

DIAGNOSTIC USE

Letter: Radiozinc as a scintigraphic agent for the human prostate. Früning J, et al. **J Nucl Med** 16(6):495–7, Jun 75

[Use of radioactive copper and of radioactive zinc for psychiatric diagnosis] Czerniak P, et al. **Ann Med Psychol (Paris)** 134(4):566–76, Apr 76 **(Fre)**

METABOLISM

Turnover of 65Zn and 82Sr in growing rats. A comparative investigation. Wing KR. **Acta Radiol [Ther] (Stockh)** 14(1):1–24, Feb 75

Metabolic studies with 65Zn. X. Biosynthesis of alkaline phosphatase in cultures of Pseudomonas fluorescens. Morales V, et al. **Rev Esp Fisiol** 31(1):9–14, Mar 75

ZINEB see under THIOCARBAMATES

ZIRAM see under THIOCARBAMATES

ZIRCONIUM

Dredge mining for rutile—effects on water quality. pp. 249–51. Herbert R. **In: Cole JA, ed. Groundwater pollution in Europe. Port Washington, N.Y., Water Information Center, 1974. WA 689 C7513g 1974.**

Alumina and zirconia coated vitallium oral endosteal implants in beagles. Cranin AN, et al. **J Biomed Mater Res** 9(4):257–62, Jul 75

Mechanical properties of calcia stabilized zirconia following in vivo and in vitro aging. Kenner GH, et al. **J Biomed Mater Res** 9(4):63–6, Jul 75

[Titanium and zirconium in the blood and cerebrospinal fluid of patients with brain tumors] Shevaga VN. **Vrach Delo** (3):120–2, Mar 74 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Granulomas of axillae (zirconium?) (author's transl)]

Kleinhans D, et al. **Dermatologica** 152(3):161–7, 1976 (Eng. Abstr.) **(Ger)**

ANALYSIS

Colorimetric determination of zirconium in antiperspirant aerosols. Beavin P Jr. **J Assoc Off Anal Chem** 59(4):830–4, Jul 76

THERAPEUTIC USE

Studies on topical antiperspirant control of axillary hyperhidrosis. Shelley WB, et al.
Acta Derm Venereol (Stockh) 55(4):241–60, 1975

[Letter: Use of zircate treatment paste in prophylaxis] Lamvik O. **Nor Tannlaegeforen Tid** 86(4–1):169, Apr 76 **(Nor)**

ZOLLINGER-ELLISON SYNDROME

see related
ADENOMATOSIS, FAMILIAL ENDOCRINE

[Various aspects of malignant gastrinoma (Zollinger–Ellison syndrome)] Lamers CB, et al. **Tijdschr Gastroenterol** 18(4):240–50, 1975 (Eng. Abstr.) **(Dut)**

[Zollinger–Ellison syndrome] Arendt R.
Z Gesamte Inn Med 30(23):749–52, 1 Dec 75 (Eng. Abstr.) **(Ger)**

[Contribution to the problem of the Zollinger–Ellison syndrome] Liebert H, et al. **Zentralbl Chir** 100(9):560–4, 1975 **(Ger)**

[Zollinger–Ellison syndrome. Review of a case 15 years after diagnosis] Malacarne P, et al. **Minerva Gastroenterol** 20(3):128–32, Jul–Sep 1974 (Eng. Abstr.) **(Ita)**

[Zollinger–Ellison syndrome with a giant metastatic foci in the liver] Endo I, et al. **Clin Endocrinol (Tokyo)** 23(8):817–22, Aug 75 **(Jpn)**

[Zollinger–Ellison syndrome] Dikshtein EA, et al.
Vopr Onkol 21(9):37–40, 1975 (Eng. Abstr.) **(Rus)**

[Ulcerogenic pancreatic secreating tumor] Barreiro Alvarez F, et al. **Rev Esp Enferm Apar Dig** 47(4):485–94, Apr 76 **(Spa)**

BLOOD

The effect of intravenous theophylline ethylenediamine on serum gastrin concentration in control subjects and patients with duodenal ulcers and Zollinger–Ellison syndrome. Feurle G, et al. **Digestion** 14(3):227–31, 1976

COMPLICATIONS

Treating perforated jejunal ulcer, a complication in the Zollinger–Ellison syndrome. DeBoer JL, et al. **Am Surg** 42(3):196–200, Mar 76

[Peptic esophagitis and tumor–calcification in the Zollinger–Ellison Syndrome (author's transl)] Rosenbusch G, et al. **Radiologe** 15(5):210–4, May 75 (Eng. Abstr.)

[Proceedings: Diarrhea in the Zollinger–Ellison syndrome] Modigliani R. **Arch Fr Mal App Dig** 64(3):280–1, Apr–May 75 **(Fre)**

[Characteristics of the course of stomach ulcer in adenoma of the pancreas and heterotopic location of its accessory lobe] Nechiporuk VM, et al. **Vestn Khir** 114(2):126–9, Feb 75 **(Rus)**

DIAGNOSIS

Calcium infusion test before and after total gastrectomy in the Zollinger–Ellison syndrome. Morrow DJ, et al.
Am J Surg 129(1):62–6, Jan 75

Extragastric gastrinoma or G-cell hyperplasia of the antrum? The preoperative diagnosis in a case of hypergastrinaemia. Gray GR, et al. **Br J Surg** 63(8):596–8, Aug 76

Hypergastrinaemia in a peptic ulcer patient with antral gastrin cell hyperplasia. Russel RC, et al. **Br Med J** 4(5994):441, 22 Nov 75

Proceedings: The diagnosis of the Zollinger–Ellison syndrome. Russell RC, et al. **Gut** 16(10):834, Oct 75

Significance of gastric analysis with particular reference to the diagnosis of Zollinger–Ellison syndrome. Ishimori A, et al. **Tohoku J Exp Med** 117(1):15–21, Sep 75

[Biological diagnosis of Zollinger–Ellison syndrome in the context of a polyendocrine adenomatosis] Bonfils S, et al. **Nouv Presse Med** 4(28):2027–31, 30 Aug–6 Sep 75 (Eng. Abstr.) **(Fre)**

[Diagnosis of the Zollinger–Ellison syndrome] Kleybrink H, et al. **Med Welt** 27(7):327–9, 13 Feb 76 **(Ger)**

[Secretin and calcium tests in patients with peptic duodenal ulcer and hyperchlorhydria (author's transl)] Grzelec T, et al. **Przegl Lek** 32(12):907–12, 1975 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Metiamide in the Zollinger–Ellison syndrome. Blair EL, et al. **Am J Dig Dis** 20(12):1123–30, Dec 75

Therapy with gastrin antibody in the Zollinger–Ellison syndrome. Hughes WS, et al. **Am J Dig Dis** 21(3):201–4, Mar 76

Chemotherapy for malignant Zollinger–Ellison tumors: successful treatment with streptozocin and fluorouracil. Ruffner BW Jr. **Arch Intern Med** 136(9):1032–4, Sep 76

Successful treatment of a malignant gastrinoma with streptozotocin. Hayes JR, et al. **Gut** 17(4):285–8, Apr 76 (17 ref.)

Letter: Streptozotocin in the Zollinger–Ellison syndrome. Lamers CB, et al. **Lancet** 2(7945):1150–1, 6 Dec 75

Letter: Streptozotocin in the Zollinger–Ellison syndrome. Sadoff L, et al. **Lancet** 2(7933):504–5, 13 Sep 75

The value of a histamine H2-receptor antagonist in the management of patients with the Zollinger–Ellison syndrome. Richardson CT, et al. **N Engl J Med** 294(3):133–5, 15 Jan 76

Letter: H2-receptor antagonists for Z-E syndrome. Shumaker JB. **N Engl J Med** 294(18):1010–11, 29 Apr 76

Treatment of Zollinger–Ellison syndrome with streptozotocin. Stadil F, et al. **N Engl J Med** 294(26):1440–2, 24 Jun 76

[Dose-response curves obtained with metiamide in the Zollinger–Ellison syndrome] Mignon M, et al.
Biol Gastroenterol (Paris) 8(3):239–44, Jul–Aug 75 **(Fre)**

[Zollinger–Ellison syndrome treated medically by an inhibitor of H2 histamine receptors] Bonfils S, et al.
Nouv Presse Med 4(33):2377–81, 11 Oct 75 (Eng. Abstr.) **(Fre)**

[Letter: Treatment of Zollinger–Ellison syndromes with metiamide or cimetidine. Potential risk of hyperimmunization manifestations] Moulias R, et al.
Nouv Presse Med 5(3):149–50, 17 Jan 76 **(Fre)**

ETIOLOGY

Zollinger–Ellison syndrome, seven years after excision of pancreatic tumour containing gastrin. Gottlieb B.
Proc R Soc Med 68(12):809, Dec 75

[Zollinger–Ellison syndrome due to a gastric gastrinoma (author's transl)] Soulé JC, et al. **Arch Fr Mal App Dig** 65(3):215–25, Apr–May 76 (Eng. Abstr.) **(Fre)**

METABOLISM

The effect of magnesium sulfate infusion on acid secretion and on serum gastrin concentration in a patient with gastrinoma. Daniel TM, et al. **Am J Dig Dis** 21(8):664–6, Aug 76

PATHOLOGY

Parietal cell mass and the trophic action of gastrin. Hall WH. **Gastroenterology** 70(5 PT.1):323–4, May 76

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 1–1976.
N Engl J Med 294(1):37–42, 1 Jan 76

PHYSIOPATHOLOGY

Proceedings: Fluid secretion in duodenum and intestinal handling of water and electrolytes in three cases of the Zollinger–Ellison syndrome. Rambaud JC, et al. **Gut** 16(10):835, Oct 75

Effect of urogastrone in the Zollinger–Ellison syndrome. Elder JB, et al. **Lancet** 2(7932):424–7, 6 Sep 75

Insulin secretion in the Zollinger–Ellison syndrome. Rehfeld JF, et al. **Scand J Gastroenterol [Suppl]** 11(37):63–6, 1976

[Influence of an acute hypercalcemia on the gastric secretion in duodenal ulcer, peptic ulcer of the jejunum and Zollinger–Ellison syndrome] Arendt R.
Z Gesamte Inn Med 30(10):349–53, 15 May 75 (Eng. Abstr.) **(Ger)**

[Function of intestinal inhibitory mechanisms of gastric secretion in Zollinger–Ellison syndrome (author's transl)] Bochenek WJ. **Przegl Lek** 33(4):440–3, 1976 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Islet cell tumors and the alimentary tract: Fourth Walter B. Cannon Lecture. Zollinger RM. **Am J Roentgenol** 126(5):933–40, May 76

Osteoblastic bone metastasis in Zollinger–Ellison syndrome. Pederson RT, et al. **Radiology** 118(1):63–4, Jan 76

SECRETION

Suppression and stimulation mechanisms controlling glucagon secretion in a case of islet-cell tumor producing glucagon, insulin, and gastrin. Tiengo A, et al. **Diabetes** 25(5):408–12, May 76

SURGERY

Alkaline reflux esophagitis after total gastrectomy. Morrow D, et al. **Am J Surg** 132(2):287–91, Aug 76

Zollinger–Ellison syndrome. Lauste LW.
Proc R Soc Med 68(12):811, Dec 75

[Isolated total duodeno–pancreatectomy for malignant Zollinger–Ellison syndrome. Results after 6 years] Marchal G, et al. **Chirurgie** 101(2):152–6, 5–19 Feb 75 (Eng. Abstr.) **(Fre)**

[Gastrin in surgery] Klempa I. **Z Gastroenterol** 14(2):99–104, Mar 76 (Eng. Abstr.) **(Ger)**

[Surgical tactics in malignant forms of ulcerogenic tumors of the pancreas] Samokhvalov VI, et al. **Vestn Khir** 114(2):35–7, Feb 75 (Eng. Abstr.) **(Rus)**

ZONA see **HERPES ZOSTER**

ZONA PELLUCIDA see under **OVUM**

ZONOGRAPHY see **TOMOGRAPHY, RADIOGRAPHIC**

ZOOFLAGELLATA see **MASTIGOPHORA**

ZOOGLEA

METABOLISM

Exopolymer production and flocculation by zoogloea mp6. Unz RF, et al. **Appl Environ Microbiol** 31(4):623–6, Apr 76

ZOOLOGY

see related
ANIMALS

Letter: Zoological nomenclature in medical parasitology and entomology. White GB. **Trans R Soc Trop Med Hyg** 70(2):166, 1976

EDUCATION

The Philips PIP system in a self-instructional first-year zoology course. Hammond RA, et al. **Med Biol Illus** 26(2):87–90, May 76

HISTORY

Buffon and Daubenton: divergent traditions within the Histoire naturelle. Farber PL. **Isis** 66(231):63–74, Mar 75

Natural selection, phagocytosis, and preadaptation: Lucien Cuénot, 1886–1901. Limoges C. **J Hist Med** 31(2):176–214, Apr 76

ZOOMASTIGINA see under **MASTIGOPHORA**

ZOONOSES

The public health implications of urban dogs. Beck AM.
Am J Public Health 65(12):1315–8, Dec 75

Editorial: Why do we let dogs foul our streets?
Br Med J 1(6024):1486, 19 Jun 76

Letter: Orf in Britain. Hall M. **Br Med J** 2(6032):420, 14 Aug 76

Toxocara canis and other nematodes transmitted from dogs to man. Woodruff AW. **Br Vet J** 131(6):627–37, Nov–Dec 75

Interrelations between mammals and pathogens of some bacterial diseases. Dunaeva TN. **Folia Parasitol (Praha)** 22(2):153–61, 1975

The cat as a possible source of Toxoplasma infection for man. Jindřichová J, et al. **Folia Parasitol (Praha)** 22(4):309–15, 1975

Mammals–carriers of diseases dangerous to man. Kucheruk VV. **Folia Parasitol (Praha)** 22(2):145–51, 1975

Physical simulation in epizootology of non–transmissive zoonoses. Litvin VY. **Folia Parasitol (Praha)** 22(3):251–6, 1975

International movement of wild animals in relation to the dissemination od zoonoses. pp. 107–13. Bögel K, et al.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Some research needs in the zoonoses. pp. 369–78. McDiarmid A.
In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.

Some observations on Taenia saginata cysticercosis in slaughter cattle in Nigeria. Belino ED. **Int J Zoonoses** 2(2):92–9, Dec 75

Anthropozoonotic helminthiases in Australia: the role of animals in disease transmission. Part 2:– Anthropozoonoses associated with domesticated and domiciliated vertebrates. Kelly JD. **Int J Zoonoses** 1(1):13–24, Jun 74 (55 ref.)

Anthropozoonotic helminthiases in Australia: the role of animals in disease transmission. Part 1:– Meat and offal–borne anthropozoonoses. Kelly JD. **Int J Zoonoses** 1(1):1–12, Jun 74 (78 ref.)

Leptospiroses equals zoonoses. Mailloux M.
Int J Zoonoses 2(1):45–54, Jun 75

Anthropozoonotic helminthiases in Australasia: Part 3:—Studies on the prevalence and public health implications of helminth parasites of dogs and cats in urban environments. Ng BK, et al. **Int J Zoonoses** 2(2):76–91, Dec 75

Trichinosis. A world problem with extensive sylvatic reservoirs. Steele JH, et al. **Int J Zoonoses** 2(2):55–75, Dec 75

Wildlife and environmental health: raccoons as indicators of zoonoses and pollutants in southeastern United States. Bigler WJ, et al. **J Am Vet Med Assoc** 167(7):592–7, 1 Oct 75 (54 ref.)

Zoonoses: a zoo's concern. Sedgwick CJ, et al.
J Am Vet Med Assoc 167(9):828–9, 1 Nov 75

Helminth parasites of dogs from Kentucky: a survey with public health implication. Harley JP, et al.
J Ky Med Assoc 73(6):331–2, Jun 75

Medical aspects of some zoonoses. Gear JH.
J S Afr Vet Assoc 46(3):221–5, Sep 75

Tularemia in Florida: Sylvilagus palustris as a source of human infection. Hoff GL, et al. **J Wildl Dis** 11(4):560–1, Oct 75

Letter: Pasteurella and pets. Jackson JW, et al. **Lancet** 2(7985):582, 11 Sep 76

Swine influenza virus in man. Zoonosis or human pandemic? Stuart–Harris C. **Lancet** 2(7975):31–2, 3 Jul 76

Pasteurella multocida infection after a dog bite. West M, et al. **Med J Aust** 1(16):585–6, 17 Apr 76

Human infection with the cestode hymenolepis diminuta.

Rudulphi, 1819; Blanchard, 1891. Hira PR. **Med J Zambia** 9(4):93–5, Aug–Sep 75

Visceral larva migrans: a significant zoonosis? Cypess RH, et al. **Mod Vet Pract** 57(6):462–4, Jun 76

Canine brucellosis in man. Wooley RE, et al. **Mod Vet Pract** 57(4):287–8, Apr 76

Massachusetts Department of Public Health. Birds and human health. **N Engl J Med** 293(26):1372–4, 25 Dec 75

Primary peritonitis due to group G Streptococcus: A case report. Khan AJ, et al. **Pediatrics** 56(6):1078–9, Dec 75

Birds and hazards to health. Bourne WR. **Practitioner** 215(1286):165–71, Aug 75 (34 ref.)

Dogs, cats and other pets. Sheridan JP. **Practitioner** 215(1286):172–7, Aug 75

Salmonella infections of man derived from animals. McCoy JH. **R Soc Health J** 96(1):25–30, Feb 76

Human infections with babesia. Shortt HE. **Trans R Soc Trop Med Hyg** 69(5–6):519–21, 1975

Letter: The brucellosis damages case and zoonoses risks. Parnas J. **Vet Rec** 97(10):189, 6 Sep 75

Occurrence of Listeria monocytogenes in feces of pregnant women with and without direct animal contact. Kampelmacher EH, et al. **Zentralbl Bakteriol [Orig A]** 234(2):238–42, Mar 76

[Letter: Hepatitis infection through domestic animals?] Mussgay M. **Dtsch Med Wochenschr** 101(13):516, 26 Mar 76 **(Ger)**

[Dermatomycoses caused by domestic animals with special reference to occupational infections] Vögtle-Junkert U, et al. **Dtsch Med Wochenschr** 101(14):551–7, Apr 76 **(Ger)**

[Important zoonoses in veterinary practice. 1. Virus diseases] Krauss H, et al. **Tierarztl Prax** 3(2):149–55, 1975 **(Ger)**

[Zoonoses in veterinary practice. 3. Chlamydial, rickettsial and fungal infections] Krauss H, et al. **Tierarztl Prax** 3(4):387–93, 1975 **(Ger)**

[Incidence of tuberculosis among rural population caused by contact with infected animals] Bassarab VI, et al. **Vrach Delo** (7):106–7, Jul 75 (Eng. Abstr.) **(Rus)**

[Natural foci of ornithosis in Kazakhstan] Evdokimova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** (7):85–9, Jul 75 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Letter: Spurious human infections with Schistosoma bovis. Teesdale CH. **Trans R Soc Trop Med Hyg** 70(2):165, 1976

[The technic of parasitologic coprology in man and carnivora. Contribution to the diagnosis of parasitic zoonoses] Cotteleer C, et al. **Rev Med Liege** 30(23):823–8, 1 Dec 75 (Eng. Abstr.) **(Fre)**

[Case report on a Toxocara-canis infection of the human eye (solitary granuloma) (author's transl)] Huismans H. **Klin Monatsbl Augenheilkd** 167(1):113–6, Jul 75 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Diseases caused by animal parasitesi zoonoses] Fechner PU. **Buech Augenarzt** 67(0):278–89, 1976 **(Ger)**

MICROBIOLOGY

Bubonic plague from exposure to a rabbit: a documented case, and a review of rabbit-associated plague cases in the United States. von Reyn CF, et al. **Am J Epidemiol** 104(1):81–7, Jul 76

OCCURRENCE

The natural nidality of zoonoses in the Philippines. Arambulo PV 3d. **Int J Zoonoses** 1(2):58–74, Dec 74 (97 ref.)

Parasitic zoonoses in Spain. Cordero del Campillo M. **Int J Zoonoses** 1(2):43–57, Dec 74 (127 ref.)

[The relationship between zoonoses and maternal morbidity (author's transl)] Avratová L. **Cesk Gynekol** 41(4):241–2, Jun 76 **(Cze)**

[Suppurative trichophytosis of animal origin. Apropos of 38 recent cases] Barriere H, et al. **Sem Hop Paris** 51(8):539–48, 14 Feb 75 (Eng. Abstr.) **(Fre)**

[Evidence of zoonoses in wild animals in the North Hesse Region] pp. 619–24. Brömel J, et al. **In: Page LA, ed. Wildlife diseases. New York, Plenum Press, 1976. W3 IN9323 1975w.** (Eng. Abstr.) **(Ger)**

[Current zoonoses in veterinary practice. 2. Bacterial infections] Weber A, et al. **Tierarztl Prax** 3(3):271–6, 1975 **(Ger)**

[Zoonoses as occupational diseases in the DDR] Wolff F. **Z Gesamte Hyg** 22(2):94–5, Feb 76 (Eng. Abstr.) **(Ger)**

[Tests for anthropozoonoses in sera of farmers in eastern-Austria. I. Communication (author's transl)] Sixl W, et al. **Zentralbl Bakteriol [Orig A]** 234(2):265–70, Mar 76 (Eng. Abstr.) **(Ger)**

[Directions and results of epidemiologic surveillance of nature foci of infection in the North-West] Tokarevich KN, et al. **Tr Leningr Inst Epidemiol Mikrobiol** 41:22–31, 1973 **(Rus)**

[Epidemiology and the prevention of zoonotic cutaneous leishmaniasis] Zhogolev DT, et al. **Voen Med Zh** (5):43–6, 1976 (22 ref.) **(Rus)**

[Discovery of tularemia epizootics by way of detecting the tularemia microbe antigen in the droppings of predatory birds] Azarysev AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** (10):125–6, Oct 75 **(Rus)**

[New findings concerning the spread of natural foci of infection in the transpolar region of eastern Siberia] Kornilova GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** (11):96–100, Nov 75 (Eng. Abstr.) **(Rus)**

[Some epizootiological and epidemiological aspects of rabies in Kazakhstan] Sansyzbaev BK. **Zh Mikrobiol Epidemiol Immunobiol** (5):139–40, May 75 **(Rus)**

[Some data on the epidemiology and epizootiology of rabies in the Carpathians] Shugallo VT, et al. **Zh Mikrobiol Epidemiol Immunobiol** (5):138–9, May 75 **(Rus)**

PREVENTION & CONTROL

Letter: Dangers of domestic pets. **Br Med J** 2(6027):109, 10 Jul 76

The Zoonoses Order 1975. Bennett GH. **R Soc Health J** 96(1):19–20, Feb 76

Control of pet animals. Collins TF. **S Afr Med J** 50(27):1054–7, 26 Jun 76

[The common nature of the problems of epidemiologists and epizootologists in the study and prevention of zooanthroponoses] Tokarevich KN. **Tr Leningr Inst Epidemiol Mikrobiol** 41:5–21, 1973 **(Rus)**

[Experience in the control of teniasis and cellulosae cysticercosis] Korzhenevskii VI, et al. **Veterinariia** (2):75–6, Feb 75 **(Rus)**

TRANSMISSION

Anthropozoonotic helminthiases in Australia: the role of animals in disease transmission. Part 1:- Meat and offal-borne anthropozoonoses. Kelly JD. **Int J Zoonoses** 1(1):1–12, Jun 74 (78 ref.)

Letter: Coccidia related to Toxoplasma gondii: possible zoonoses. Markus MB. **S Afr Med J** 49(46):1905, 1 Nov 75

[Evaluation of the importance of the transphasic and transovarian transmission for the preservation of a population of a causative agent] Rasnitsyn SP. **Med Parazitol (Mosk)** 45(3):269–74, May–Jun 76 (Eng. Abstr.) **(Rus)**

ZOOPHAGINAE see **VERTEBRATE VIRUSES**

ZOOPLANKTON see under **PLANKTON**

ZOSTER see **HERPES ZOSTER**

ZOXAZOLAMINE

The effect of dibenzoxanthenes on the paralyzing action of zoxazolamine. Saint-Ruf G, et al. **Naturwissenschaften** 62(12):584–5, Dec 75

METABOLISM

Effect of fluorosteroids on drug response and metabolism. Kourounakis P, et al. **Biochem Pharmacol** 25(4):477–81, 15 Feb 76

PHARMACODYNAMICS

Effect of thymectomy on zoxazolamine paralysis and metabolism in untreated and (PCN) pregnenolone-16alpha-carbonitril- or ACTH-pretreated rats. Szabo S, et al. **Arch Int Pharmacodyn Ther** 215(2):208–14, Jun 75

Effect of 7 8-benzoflavone on the duration of zoxazolamine paralysis and hexobarbital hypnosis in rats. Wiebel FJ, et al. **Biochem Pharmacol** 25(12):1431–2, 15 Jun 76

Effects of phenobarbitone, cinnarizine, and zoxazolamine on the development of right ventricular hypertrophy and hypertensive pulmonary vascular disease in rats treated with monocrotaline. Kay JM, et al. **Cardiovasc Res** 10(2):200–5, Mar 76

A survey of the response of different strains of mice to substances metabolised by microsomal oxidation; hexobarbitone, zoxazolamine and warfarin. Lush IE. **Chem Biol Interact** 12(3–4):363–73, Mar 76

ZYGOMA

Hematogenous bone infection of the zygomatic complex. Bhatia PL, et al. **Eye Ear Nose Throat Mon** 55(6):42–54, Jun 76

ANATOMY & HISTOLOGY

Age changes in the human frontozygomatic suture from 20 to 95 years. Kokich VG. **Am J Orthod** 69(4):411–30, Apr 76

[The canthoconjunctivotomy for the demonstration of the orbital floor, the infraorbital rim and the zygomatic prominence] Lindorf HH. **Dtsch Zahnaerztl Z** 31(8):667–8, Aug 76 **(Ger)**

[Topographical-anatomical peculiarities of the internal structure, circulation and innervation of the zygoma and its periosteum] Bezsharochnyĭ SB. **Stomatologiia (Mosk)** 54(3):47–51, May–Jun 75 (Eng. Abstr.) **(Rus)**

INJURIES

[Fronto-malar osteosynthesis by means of screwed plates] Champy M, et al. **Rev Stomatol Chir Maxillofac** 76(6):483–8, Sep 75 (Eng. Abstr.) **(Fre)**

[Osteoplasty of the frontozygomatic suture in fractures of the mid-facial region] Steinhilber W. **Fortschr Kiefer Gesichtschir** 20:28–30, 1976 **(Ger)**

[Diagnostic difficulties in pathological fundus changes in the course of combined zygomatico-maxillary fracture] Tadeusz, et al. **Klin Oczna** 46(3):341–5, Mar 76 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Variations on coronoid-malar anomalies] Pons J, et al. **Rev Stomatol Chir Maxillofac** 77(1):169–73, Jan–Feb 76 **(Fre)**

RADIOGRAPHY

[The posterior position in orthopantomography: P position] Dupuis A, et al. **Acta Stomatol Belg** 72(4):797–801, 1975 **(Fre)**

ZYGOMATIC FRACTURES

Intraoral technique for treatment of fractures of the zygomatic arch. Goldberg P, et al. **Isr J Dent Med** 24:36–7, Jan 75

[Survey of zygomatic-maxillary fractures hospitalized at the II. Stomatological Clinic in the years of 1954–1973] Frengl Z. **Cesk Stomatol** 75(4):254–60, Jul 75 (Eng. Abstr.) **(Cze)**

[Viewpoints on primary and secondary treatment in orbital fractures] Selle G, et al. **Dtsch Zahnaerztl Z** 31(2):111–4, Feb 76 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of malar bone fractures] Strupler W. **Ther Umsch** 32(10):647–57, Oct 75 (Eng. Abstr.) **(Ger)**

[Expert evaluation of temporary incapitation in zygometic fractures] Levenets AK. **Stomatologiia (Mosk)** 54(3):41–3, May–Jun 75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

A case of orbital floor eruption. Slepyan DH. **J Trauma** 16(4):320–2, Apr 76

[Results of a control study of patients with zygomatic fractures] Waldhart E. **Fortschr Kiefer Gesichtschir** 19:166–7, 1975 **(Ger)**

PATHOLOGY

[Fractures of the malar bone. Apropos of 604 cases] Carlier G, et al. **Rev Stomatol Chir Maxillofac** 77(1):185–6, Jan–Feb 76 **(Fre)**

SURGERY

Reduction of the fractured malar by a traction hook. Poswillo D. **Br J Oral Surg** 14(1):76–9, Jul 76

The skin-muscle flap as an approach to zygomatic and maxillary fractures. Stallings JO. **Eye Ear Nose Throat Mon** 55(5):160–1, May 76

Treatment of fractures of the zygomatic bone. Laufer D, et al. **J Oral Surg** 34(5):445–7, May 76

Zygomatic fractures. Banovetz JD, et al. **Otolaryngol Clin North Am** 9(2):499–506, Jun 76

[Results in the use of bone from a bone bank in malar fractures] Chausse JM. **Rev Stomatol Chir Maxillofac** 77(1):154–7, Jan–Feb 76 **(Fre)**

[Complex fractures of the malar bone] Deloche M, et al. **Rev Stomatol Chir Maxillofac** 77(1):163–4, Jan–Feb 76 **(Fre)**

[100 malar fractures] Molhant G, et al. **Rev Stomatol Chir Maxillofac** 77(3):583–6, Apr–May 76 (Eng. Abstr.) **(Fre)**

[Indications and results of reduction through the temporal bone of fractures of the zygomatic-malar arch (the Gillies-Dan Theodorescu method)] Popescu V, et al. **Rev Stomatol Chir Maxillofac** 77(1):158–62, Jan–Feb 76 **(Fre)**

[Injuries of the malar bone in children] Rivera H, et al. **Rev Stomatol Chir Maxillofac** 77(1):143–6, Jan–Feb 76 **(Fre)**

[Fractures of the malar bone. 10 years experience in a hospital center] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 77(1):147–50, Jan–Feb 76 **(Fre)**

[Immediate surgical reconstruction of exposed fractures of the orbitofronto-malar complex] Torrielli F, et al. **Rev Stomatol Chir Maxillofac** 77(1):151–3, Jan–Feb 76 **(Fre)**

[Treatment of old fractures of the orbito-malar complex] Torrielli F, et al. **Rev Stomatol Chir Maxillofac** 77(1):165–8, Jan–Feb 76 **(Fre)**

[Results of surgical management of zygomatic fractures (with special reference to fracture classification)] Schmoker R, et al. **Fortschr Kiefer Gesichtschir** 19:154–6, 1975 **(Ger)**

[Treatment results after zygomatico-orbital fractures] Hardt N, et al. **Schweiz Monatsschr Zahnheilkd** 86(8):825–35, Aug 76 (Eng. Abstr.) **(Ger)**

[Successful surgical treatment of fractured cheek bones associated with diplopia: report of 2 cases] **J Jpn Stomatol Soc** 24(4):375–81, 1975 **(Jpn)**

[Fractures of the zygomatic-maxillary complex] Skokljev A, et al. **Vojnosanit Pregl** 32(5):536–8, Sep–Oct 75 (Eng. Abstr.) **(Ser)**

THERAPY

Treatment of zygomatic fractures: internal wiring-antral-packing-reposition without fixation. Altonen

M, et al. **J Maxillofac Surg** 4(2):107–15, Jun 76
[Treatment of fractures of the malar bone. Study of a series of 100 cases] Freidel M, et al.
Rev Stomatol Chir Maxillofac 77(1):139–42, Jan–Feb 76 **(Fre)**
Härle F, et al. **Dtsch Zahnaerztl Z** 31(2):97–99, Feb 76 (Eng. Abstr.) **(Ger)**
[Wire osteosynthesis of zygomatic fractures. Follow-up study with special reference to diplopia] Düker J, et al.
Fortschr Kiefer Gesichtschir 19:156–9, 1975 **(Ger)**
[Experiences with the permaxillary screw extension in zygomatic impression fractures] Heidsieck C.
Fortschr Kiefer Gesichtschir 19:161–3, 1975 **(Ger)**
[Results of treatments of isolated zygomatic fractures] Momma WG, et al. **Fortschr Kiefer Gesichtschir** 19:163–5, 1975 **(Ger)**
[Indication for transcutaneous and surgical treatment of zygomatic fractures] Schroll K.
Fortschr Kiefer Gesichtschir 19:159–60, 1975 **(Ger)**
[Findings in the maxillary sinus following mid-facial fractures] Schwenzer N. **Fortschr Kiefer Gesichtschir** 19:167–9, 1975 **(Ger)**

ZYGOMYCETES see under **PHYCOMYCETES**

ZYGOTE

Hyaline membrane disease in twins. A 7 year review with a study on zygosity. de la Torre Verduzco R, et al.
Am J Obstet Gynecol 125(5):668–71, 1 Jul 76
The ontogeny of germ plasm during oogenesis in Drosophila. Illmensee K, et al. **Dev Biol** 49(1):40–65, Mar 76
Temperature-sensitive zygote defective mutants of Caenorhabditis elegans. Vanderslice R, et al. **Dev Biol** 49(1):236–49, Mar 76
Letter: A problematic stage of hominisation? Roux GH.
S Afr Med J 50(17):652, 17 Apr 76
[Autoradiographic studies on reciprocal effects between the tubal epithelium and zygote] Freese UE. **Arch Gynaekol** 219(1–4):540–2, 18 Nov 75 **(Ger)**
[The use of dental parameters in the determination of zygotism] Rudas L. **Fogorv Sz** 68(9):276–8, Sep 75 **(Hun)**

ANALYSIS

Contraceptive polypeptide from hamster embryos: sequence of amino acids in the compound. Kent HA Jr.
Biol Reprod 12(4):504–7, May 75
Properties of sea urchin embryo messenger RNA containing and lacking poly(A). Nemer M, et al. **Cell** 6(2):171–8, Oct 75
Non-histone chromatin proteins from the sea urchin Strongylocentrotus droebachiensis sperm and embryo. Gineitis AA, et al. **Exp Cell Res** 98(2):248–52, 15 Mar 76
Amino acid constitution of the contraceptive polypeptide from hamster zygotes. Kent HA Jr. **Fertil Steril** 26(8):833–7, Aug 75
[A study of the protein composition of the zona pellucida of mammalian oocytes and zygotes by a method of microelectrophoresis in polyacrylamide gel] Repin VS, et al. **Biokhimiia** 41(1):50–7, Jan 76 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The role of cleavage in the localization of developmental potential in the ctenophore Mnemiopsis leidyi. Freeman G. **Dev Biol** 49(1):143–77, Mar 76
Derivation of the membrane comprising the male pronuclear envelope in inseminated sea urchin eggs. Longo FJ.
Dev Biol 49(2):347–68, Apr 76
Action of glutaraldehyde and formaldehyde on segmentation mitoses. Inhibition of spindle and astral fibres, centrospheres blocked. Sentein P. **Exp Cell Res** 95(2):233–46, 15 Oct 75
Haploid mouse embryos obtained by microsurgical removal of one pronucleus. Modliński JA.
J Embryol Exp Morphol 33(4):897–905, Jul 75

DRUG EFFECTS

Induction of triploidy in the mouse by cytochalasin B. Niemierko A. **J Embryol Exp Morphol** 34(2):279–89, Oct 75
The effect of injected cytochalasin B on filament organization in the cleaving egg of Xenopus laevis. Luchtel D, et al.
J Ultrastruct Res 54(3):406–19, Mar 76
Studies on chemically induced dominant lethality. I. The cytogenetic basis of MMS-induced dominant lethality in post-meiotic male germ cells. Brewen JG, et al.
Mutat Res 33(2–3):239–50, Dec 75
Premature chromosome condensation, structural chromosome aberrations, and micronuclei in early mouse embryos after treatment of paternal postmeiotic germ cells with triethylenemelamine: possible mechanisms for chemically induced dominant-lethal mutatiions. Matter BE, et al. **Mutat Res** 33(2–3):251–60, Dec 75
[Formation by Actinomyces malachitospinus sp. nov. of a physiologically active substance that stimulates zygote formation in Mucorales] Preobrazhenskaia TP, et al.
Mikrobiologiia 44(4):641–4, Jul–Aug 75 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Changes in tRNA nucleotidyl transferase activity during embryonic development of Xenopus laevis. Paradiso P, et al. **Exp Cell Res** 100(1):9–14, Jun 76

GROWTH & DEVELOPMENT

Embryonic development and induced dominant lethality in F eggs of Chilo partellus Swinhoe. Bughio AR.
Radiat Res 67(2):299–304, Aug 76

IMMUNOLOGY

Expression of teratoma-associated antigens on murine ova and early embryos. Identification of two early differentiation markers. Gooding LR, et al. **Dev Biol** 49(2):479–86, Apr 76

METABOLISM

Ribosomes from Xenopus laevis eggs and embryos in a cell-free protein-synthesizing system: translational regulation. Van der Saag T, et al. **Cell Differ** 4(6):385–97, Mar 76
Phospholipid metabolism following fertilization in sea urchin eggs and embryos. Byrd EW Jr. **Dev Biol** 46(2):309–16, Oct 75
Autoradiographic study of protein and RNA formation during early development of Drosophila eggs. Zalokar M.
Dev Biol 49(2):425–37, Apr 76
The amount of nuclear protein synthesis in sea urchin blastulae. Allen WR, et al. **Exp Cell Res** 97:151–63, Jan 76
Nucleic acid synthesis in the normal and lobeless embryo of Ilyanassa obsoleta. Collier JR. **Exp Cell Res** 95(2):254–62, 15 Oct 75
Nucleo-cytoplasmic exchange of non-histone proteins in amphibian embryos. Di Berardino MA, et al.
Exp Cell Res 94(2):235–52, Sep 75
Thymidine uptake by developing sea urchin embryos. Ledebur-Villiger M. **Exp Cell Res** 96(2):344–50, Dec 75
Reparir of UV damage to DNA of implantation-stage mouse embryos in vitro. Pedersen RA, et al. **Exp Cell Res** 95(2):247–53, 15 Oct 75
Biochemical evidence for position-effect suppression of ribosomal RNA synthesis in Drosophila melanogaster. Puckett LD, et al. **Exp Cell Res** 95(1):31–8, 1 Oct 75
Lectin-binding properties of hamster egg zona pellucida and plasma membrane during maturation and preimplantation development. Yanagimachi R, et al. **Exp Cell Res** 100(2):249–57, Jul 76
Incorporation of Arginine-3H into chromatin of mouse eggs shortly after sperm penetration. Kopečný V, et al.
Histochemistry 45(4):341–5, 19 Dec 75
Fibrinolytic activity of the rat ovum, appearance during tubal passage and disappearance at implantation. Liedholm P, et al. **Int J Fertil** 20(1):24–6, 1975
Experimental manipulation of the amount of tubulin available for assembly into the spindle of dividing sea urchin eggs. Sluder G. **J Cell Biol** 70(1):75–85, Jul 76
Chemical induction of presumed dominant-lethal mutations in postcopulation germ cells and zygotes of mice. II. Sensitivity of different postcopulation-precleavage stages to three alkylating chemicals. Suter KE, et al.
Mutat Res 34(2):259–70, Feb 76
Intracellular pH and activation of sea urchin eggs after fertilisation. Johnson JD, et al. **Nature** 262(5570):661–4, 19 Aug 76
Changes in glycerol solubility and amino acid incorporation of a protein possessing the characteristics of tubulin during first cleavage in the sea urchin embryo. Rubin RW, et al.
Tissue Cell 8(2):209–15, 1976
[On the protein composition of ribonucleoprotein particles before and after fertilization fo sea urchin eggs (Echinus esculentus)] Liautard JP, et al. **Z Naturforsch [C]** 31(7–8):464–7, Jul–Aug 76

PHYSIOLOGY

Comparison of oviductal transport of fertilized and unfertilized ova after HCG or coitus-induced ovulation in rabbits. Hodgson JB, et al. **Biol Reprod** 14(4):377–80, May 76
The ionic components of the current pulses generated by developing fucoid eggs. Nuccitelli R, et al. **Dev Biol** 49(2):518–31, Apr 76
Division delay in sea urchin embryos induced by a specific protease inhibitor. Penn A, et al. **Exp Cell Res** 97:164–74, Jan 76
In vitro fertilization and development of mammalian eggs. pp. 499–507. Chang MC.
In: Talwar GP, ed. Regulation of growth and differentiated function in eukaryote cells. New York, Raven Press, 1975. QH 604 R344 1974. (78 ref.)
Sperm age: effects on zygote development. pp. 85–95. Orgebin-Crist MC.
In: Uricchio WA, ed. Proceedings of a research conference on natural family planning. Washington, Human Life Foundation, 1973. W3 RE475 1972p.
Evaluation of a method for in vitro ookinete development of the rodent malarial parasite, Plasmodium berghei. Shapiro M, et al. **J Parasitol** 61(6):1105–6, Dec 75

RADIATION EFFECTS

Letter: Dose-rate effects on the hatchability of irradiated embryos of the fish, Oryzias latipes. Egami N, et al.
Int J Radiat Biol 28(3):273–8, Sep 75
Fast-neutron irradiation of mouse embryos in the pronuclear zygote stage: mortality curves and neoplastic diseases in 30-day postnatal survivors. Friedberg W, et al.
Proc Soc Exp Biol Med 151(4):808–10, Apr 76

TRANSPLANTATION

The storage of cow eggs at room temperature and at low temperatures. Trounson AO, et al. **J Reprod Fertil** 46(1):173–8, Jan 76

ULTRASTRUCTURE

The distribution of annulate lamellae in eggs and zygotes of the sand dollar, Echinarachnius parma. Skalko RG, et al. **Acta Embryol Exp (Palermo)** (2):87–99, 1975 (Eng. Abstr.)
Ultrastructure of cleavage stages and preimplantation embryos of the baboon. Panigel M, et al.
Anat Embryol (Berl) 147(1):45–62, 9 Jun 75
Intracisternal A particle formation and inhibition in preimplantation mouse embryos. Calarco PG.
Biol Reprod 12(4):448–54, May 75
The dependence of annulate lamellae formation on the nucleus in parthenogenetic rabbit eggs. Gulyas BJ.
Cell Tissue Res 162(4):475–81, 27 Oct 75
Morphological changes of the surface of the egg of Xenopus laevis in the course of development. III. Scanning electron microscopy of gastrulation. Monroy A, et al. **Dev Biol** 49(1):250–9, Mar 76
The role of membranes in the ogranization of the mitotic apparatus. Harris P. **Exp Cell Res** 94(2):409–25, Sep 75
Structural effects of mercaptoethanol during mitotic block of sea urchin eggs. Harris P. **Exp Cell Res** 97:63–73, Jan 76
Mitochondrial regulation in sea urchins. I. Mitochondrial ultrastructure transformations and changes in the ADP:ATP ratio at fertilization. Innis MA, et al.
Exp Cell Res 98(1):47–56, 1 Mar 76
Nucleolar ontogenesis in the uterine chick germ correlated with morphogenetic events. Raveh D, et al.
Exp Cell Res 100(1):195–203, Jun 76
Sperm aster in rabbit zygotes: its structure and function. Longo FJ. **J Cell Biol** 69(3):539–47, Jun 76
Spindle birefringence of isolated mitotic apparatus analysed by pressure treatment. Forer A, et al. **J Cell Sci** 20(2):309–27, Mar 76
Spindle birefringence of isolated mitotic apparatus analysed by treatments with cold, pressure, and diluted isolation medium. Forer A, et al. **J Cell Sci** 20(2):329–39, Mar 76
Cortical changes in Spisula eggs upon insemination. Longo FJ. **J Ultrastruct Res** 56(2):226–32, Aug 76
'Periodisch Structurierte Körper' (PSK) in the perivitelline space of rat and mouse embryos. Szöllöosi D.
J Ultrastruct Res 53(2):222–6, Nov 75
Nuclear transplantation in the rabbit egg. Bromhall JD.
Nature 258(5537):719–22, 25 Dec 75
Microtubule assembly mutant. Raff EC, et al. **Nature** 260(5552):615–7, 15Apr 76
Scanning electron microscope studies of the surface of the sea urchin egg. Hagström BE, et al. **Protoplasma** 87(4):281–90, 1976

ZYLOPRIM see **ALLOPURINOL**

ZYMOSAN

Increased erythropoietin production in anephric rats with hyperplasia of the reticuloendothelial system induced by colloidal carbon or zymosan. Peschle C, et al. **Blood** 47(2):325–37, Feb 76

BLOOD

A properdin system intermediate formed by zymosan and serum at 0 degrees C. Yukiyama Y, et al. **J Immunol** 116(1):188–93, Jan 76

METABOLISM

Binding of the complement intermediate C56 to zymosan in acute phase human sera. Baker PJ, et al.
Clin Exp Immunol 20(1):113–24, Apr 75
Rosétte formation between human b lymphocytes and zymosan-C3 complexes using different complement sources. Kajdacsy-Balla AA, et al. **J Immunol Methods** 9(3–4):205–9, 1976

PHARMACODYNAMICS

Effect of zymosan on hepatic drug metabolism in mice. II. Identification of active component of yeast cell walls. Hojo H, et al. **Chem Pharm Bull (Tokyo)** 24(2):352–5, Feb 76
Effect of zymosan on hepatic drug metabolism in mice. Hojo H, et al. **Chem Pharm Bull (Tokyo)** 24(1):10–5, Jan 76
The ultrastructure of platelets and macrophages in particle clearance stimulated by zymosan. Tennent RJ, et al.
J Reticuloendothel Soc 19(5):269–80, May 76

THERAPEUTIC USE

[Radiological evaluation of therapeutic results in bronchial microcellular carcinoma (author's transl)] Kost M, et al.
Pol Przegl Radiol 40(2):99–103, Mar–Apr 76 (Eng. Abstr.) **(Pol)**
[The effect of zymosan polysaccharide on allergic reactions] Suponitskaia VM, et al.
Zh Mikrobiol Epidemiol Immunobiol (11):134–6, Nov 75

(Rus)
[Immunological and morphological studies of the polysaccharide zymosan effect on the course of allergic reaction] Suponits'ka VM, et al. **Mikrobiol Zh** 37(5):610–5, Sep–Oct 75 (Eng. Abstr.) (Ukr)

☆ U.S. GOVERNMENT PRINTING OFFICE : 1977 O—222-213